PEL a division of Spectrum Analytical, Inc.

featuring HANIBAL TECHNOLOGY

TEST REPORT

Florida	# E84207	California	# 07253CA
Texas	# T104704408-08A-TX	Louisiana	# 02025
South Carolina	# 96011001	Kansas	# E-10385
North Dakota	# R-178	Arkansas	# 09-031-0

Customer Name:	CH2M Hill
Date and Time Received:	7/21/2010 10:05:00 AM
Date Reported:	8/11/2010
Laboratory Submission Number/SDG:	3500237
Project:	Kirtland AFB/ST106

The submission consisted of 6 samples with sample identification shown in the attached data tables.

The samples were analyzed for the methods listed on the attached table of contents. See the attached data tables for results.

Distribution of Report to:

CH2M Hill
Attn: Daniel Moore
WorkPhone:

Respectfully Submitted,

Brian Spann
Laboratory Director
PEL a division of Spectrum Analytical, Inc.

Soil samples are reported on dry weight basis, unless otherwise noted.

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our Letters and reports apply to the sample tested and are not necessarily indicative of the qualit of apparently identical or similar materials. This report shall not be reproduced except in full without written approval from PEL.

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End Of Report **1409**

EXECUTIVE SUMMARY - Detection Highlights

3500237

SAMPLE ID: ST106-FD-10625-20072010

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Chloride	25.4	1.00	MG/L	SW300.1	
Nitrate-N	0.53	0.500	MG/L	SW300.1	
Sulfate	62.5	1.00	MG/L	SW300.1	
Alkalinity (Bicarbonate)	108	5.00	MG/L	E310.1	
Alkalinity (Carbonate)	0	5.00	MG/L	E310.1	
Alkalinity (Total)	108	5.00	MG/L	E310.1	
Sulfide	0.6 J	2.00	MG/L	E376.1	
Calcium	38100	100	UG/L	SW6010B DISS	Diss
Iron	27.7 J	100	UG/L	SW6010B DISS	Diss
Lead	5.04 J	15.0	UG/L	SW6010B DISS	Diss
Magnesium	6070	100	UG/L	SW6010B DISS	Diss
Manganese	7.81 J	10.0	UG/L	SW6010B DISS	Diss
Potassium	2360	500	UG/L	SW6010B DISS	Diss
Sodium	43000	300	UG/L	SW6010B DISS	Diss
1,2-Dibromoethane(EDB	0.21	0.020	UG/L	SW8011	
TPH >C6-C10	0.12	0.040	MG/L	SW8015C-V	
1,2-Dibromoethane(EDB	0.16 J	1.0	UG/L	SW8260B	
Toluene	75.7	1.0	UG/L	SW8260B	

SAMPLE ID: ST106-GW-10625-20072010

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Chloride	25.4	1.00	MG/L	SW300.1	
Nitrate-N	0.53	0.500	MG/L	SW300.1	
Sulfate	62.7	1.00	MG/L	SW300.1	
Alkalinity (Bicarbonate)	104	4.00	MG/L	E310.1	
Alkalinity (Carbonate)	0	4.00	MG/L	E310.1	
Alkalinity (Total)	104	4.00	MG/L	E310.1	
Sulfide	0.2 J	2.00	MG/L	E376.1	
Calcium	38800	100	UG/L	SW6010B DISS	Diss
Iron	57.7 J	100	UG/L	SW6010B DISS	Diss
Lead	6.03 J	15.0	UG/L	SW6010B DISS	Diss
Magnesium	6200	100	UG/L	SW6010B DISS	Diss
Manganese	7.39 J	10.0	UG/L	SW6010B DISS	Diss
Potassium	2380	500	UG/L	SW6010B DISS	Diss
Sodium	43200	300	UG/L	SW6010B DISS	Diss
1,2-Dibromoethane(EDB	0.2	0.020	UG/L	SW8011	

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EXECUTIVE SUMMARY - Detection Highlights

3500237

TPH >C6-C10	0.11	0.040	MG/L	SW8015C-V
1,2-Dibromoethane(EDB	0.18 J	1.0	UG/L	SW8260B
Toluene	75.3	1.0	UG/L	SW8260B

SAMPLE ID: ST106-GW-10625-20072010

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Chloride	25.4	1.00	MG/L	SW300.1
Nitrate-N	0.52	0.500	MG/L	SW300.1
Sulfate	62.8	1.00	MG/L	SW300.1

SAMPLE ID: ST106-GW-10626-20072010

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Chloride	72.8	1.00	MG/L	SW300.1
Nitrate-N	3	0.500	MG/L	SW300.1
Sulfate	65.3	1.00	MG/L	SW300.1
Alkalinity (Bicarbonate)	86	4.00	MG/L	E310.1
Alkalinity (Carbonate)	0	4.00	MG/L	E310.1
Alkalinity (Total)	86	4.00	MG/L	E310.1
Sulfide	0.4 J	2.00	MG/L	E376.1
Calcium	67000	100	UG/L	SW6010B DISS Diss
Iron	27.4 J	100	UG/L	SW6010B DISS Diss
Lead	6.25 J	15.0	UG/L	SW6010B DISS Diss
Magnesium	9490	100	UG/L	SW6010B DISS Diss
Manganese	38.6	10.0	UG/L	SW6010B DISS Diss
Potassium	3660	500	UG/L	SW6010B DISS Diss
Sodium	29300	300	UG/L	SW6010B DISS Diss
TPH >C6-C10	0.033 J	0.040	MG/L	SW8015C-V
Toluene	17.2	1.0	UG/L	SW8260B

SAMPLE ID: ST106-TB-13-20072010

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Methylene chloride	1.1 J	5.0	UG/L	SW8260B
Toluene	0.16 J	1.0	UG/L	SW8260B

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Organics

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Organic Data Qualifiers

U Indicates the analyte was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that analyte. The reporting limit can vary from sample to sample depending on dilution factors or the percent moisture adjustment when indicated.

J Indicates estimated value. It is used when the data indicates the presence of an analyte above the method detection limit (MDL) yet lower than the reporting limit.

B Indicates the analyte was found in the associated blank as well as in the sample. The notation indicates possible contamination of the sample.

E Indicates the value reported is above the highest calibration standard for that analyte. The sample should be analyzed at an appropriate dilution. "E" qualified values are estimations and the diluted result may be reported on another Form 1.

D Indicates the analyte has been identified in a dilution reanalysis. "D" qualifiers are used for samples that have been analyzed at a lesser dilution than required for accurate quantitation.

C The "C" qualifier indicates the presence of this analyte has been confirmed by GC/MS analysis.

P This qualifier is used for pesticide / Aroclor target analytes where there is greater than 25% difference for the detected concentration between the two GC columns.

N This qualifier indicates presumptive evidence of an analyte. This qualifier is only used for tentatively identified compounds (TIC), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" qualifier is not used.

A This qualifier indicates that a TIC is a suspected aldol-condensation product.

X Data flagged as rejected by analyst utilizing analytical judgement.

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Organic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for organic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

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GC/MS VOLATILE ORGANICS

METHOD 8260

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CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

I. RECEIPT

Exceptions encountered upon receipt are addressed in the Sample Receipt Confirmation Report, included with the Chain-of-Custody documentation, or communication included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA 8260B/SW846

IV. PREPARATION

Water samples were prepared by SW846/5030 for EPA8260B volatiles analysis. All aspects of sample preparation proceeded without exception.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

An LCS/LCSD set was analyzed. All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed. It should be noted that the parent sample was diluted for spiking purposes only at a 5X dilution due to a high analyte concentration of Toluene . The spikes were only analyzed and are reported at this dilution. All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

SD - ST106-MSD-10625-20072010DL1 was analyzed with the water samples on 07/27/10. The following analyte(s) exceeded RPD criteria: Carbon disulfide at 37.4 % with criteria of (30).

No further action was required since recoveries were met. Samples coded accordingly.

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally.

Sample ST106-GW-10625-20072010 required a 5X dilution for spiking purposes only. Both full and diluted runs are reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature: _____
Name: Lisa Pelo Title: VOA Manager

SIGNED: **DATE: 08/03/2010**

W:\Narratives\Vols\3500\3500237_8260.doc

CASE NARRATIVE

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

No manual integrations detected.

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

Signature:_____
Name: Marcell Stephens **Title:** Chemist

CHEMIST:
DATE: **08/03/2010**

Signature:_____
Name: Lisa Pelo **Title:** VOA Manager

SECTION LEADER: **DATE:** **08/03/2010**

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VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Method: 8260

EPA Sample No	Lab Sample ID
ST106-FD-10625-20072010	350023701
ST106-GW-10625-20072010	350023702
ST106-GW-10625-20072010DL1	350023702DL1
ST106-GW-10626-20072010	350023705
ST106-TB-13-20072010	350023706

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Sample Data

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-FD-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023701 Lab File ID 23701.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1152

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	2	U	0.17	2
74-87-3	Chloromethane	2	U	0.32	2
75-01-4	Vinyl chloride	1	U	0.18	1
74-83-9	Bromomethane	2	U	0.43	2
75-00-3	Chloroethane	2	U	0.72	2
75-69-4	Trichlorofluoromethane	2	U	0.12	2
75-35-4	1,1-Dichloroethene	1	U	0.19	1
75-15-0	Carbon disulfide	2	U	0.19	2
75-09-2	Methylene chloride	5	U	0.66	5
156-60-5	trans-1,2-Dichloroethene	1	U	0.33	1
75-34-3	1,1-Dichloroethane	1	U	0.15	1
67-64-1	Acetone	10	U	1.3	10
594-20-7	2,2-Dichloropropane	5	U	0.17	5
156-59-2	cis-1,2-Dichloroethene	1	U	0.19	1
74-97-5	Bromochloromethane	1	U	0.17	1
78-93-3	2-Butanone	6	U	2	6
67-66-3	Chloroform	1	U	0.16	1
71-55-6	1,1,1-Trichloroethane	1	U	0.14	1
56-23-5	Carbon tetrachloride	1	U	0.14	1
563-58-6	1,1-Dichloropropene	1	U	0.3	1
71-43-2	Benzene	1	U	0.17	1
107-06-2	1,2-Dichloroethane	1	U	0.15	1
79-01-6	Trichloroethene	1	U	0.19	1
78-87-5	1,2-Dichloropropane	1	U	0.15	1
74-95-3	Dibromomethane	1	U	0.11	1
75-27-4	Bromodichloromethane	1	U	0.15	1

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-FD-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023701 Lab File ID 23701.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1152

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
10061-01-5	cis-1,3-Dichloropropene	1	U	0.12	1
108-10-1	4-Methyl-2-pentanone	5	U	1	5
108-88-3	Toluene	75.7		0.14	1
10061-02-6	trans-1,3-Dichloropropene	1	U	0.3	1
79-00-5	1,1,2-Trichloroethane	1	U	0.2	1
127-18-4	Tetrachloroethene	1	U	0.21	1
142-28-9	1,3-Dichloropropane	1	U	0.3	1
591-78-6	2-Hexanone	5	U	0.48	5
124-48-1	Dibromochloromethane	1	U	0.13	1
106-93-4	1,2-Dibromoethane(EDB)	0.16	J	0.11	1
108-90-7	Chlorobenzene	1	U	0.16	1
630-20-6	1,1,1,2-Tetrachloroethane	1	U	0.14	1
100-41-4	Ethylbenzene	1	U	0.22	1
511-39-00	p,m-Xylene	2	U	0.23	2
95-47-6	o-Xylene	1	U	0.5	1
100-42-5	Styrene	1	U	0.12	1
75-25-2	Bromoform	1	U	0.19	1
98-82-8	Isopropylbenzene (Cumene)	1	U	0.14	1
108-86-1	Bromobenzene	1	U	0.21	1
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.13	1
96-18-4	1,2,3-Trichloropropane	1	U	0.35	1
103-65-1	n-Propylbenzene	1	U	0.14	1
95-49-8	2-Chlorotoluene	1	U	0.072	1
106-43-4	4-Chlorotoluene	1	U	0.15	1
108-67-8	1,3,5-Trimethylbenzene	1	U	0.14	1
98-06-6	tert-Butylbenzene	1	U	0.2	1

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-FD-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023701 Lab File ID 23701.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1152

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
95-63-6	1,2,4-Trimethylbenzene	1	U	0.13	1
135-98-8	sec-Butylbenzene	1	U	0.1	1
541-73-1	1,3-Dichlorobenzene	1	U	0.15	1
106-46-7	1,4-Dichlorobenzene	1	U	0.15	1
99-87-6	4-Isopropyltoluene	1	U	0.14	1
104-51-8	n-Butylbenzene	1	U	0.16	1
95-50-1	1,2-Dichlorobenzene	1	U	0.077	1
96-12-8	1,2-Dibromo-3-chloropropane	5	U	1	5
120-82-1	1,2,4-Trichlorobenzene	1	U	0.11	1
91-20-3	Naphthalene	1	U	0.5	1
87-61-6	1,2,3-Trichlorobenzene	1	U	0.16	1
1330-20-7	Xylene (total)	2	U	0.5	2
1634-04-4	MTBE	5	U	0.5	5

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023702 Lab File ID 23702.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1215

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	2	U	0.17	2
74-87-3	Chloromethane	2	U	0.32	2
75-01-4	Vinyl chloride	1	U	0.18	1
74-83-9	Bromomethane	2	U	0.43	2
75-00-3	Chloroethane	2	U	0.72	2
75-69-4	Trichlorofluoromethane	2	U	0.12	2
75-35-4	1,1-Dichloroethene	1	U	0.19	1
75-15-0	Carbon disulfide	2	U	0.19	2
75-09-2	Methylene chloride	5	U	0.66	5
156-60-5	trans-1,2-Dichloroethene	1	U	0.33	1
75-34-3	1,1-Dichloroethane	1	U	0.15	1
67-64-1	Acetone	10	U	1.3	10
594-20-7	2,2-Dichloropropane	5	U	0.17	5
156-59-2	cis-1,2-Dichloroethene	1	U	0.19	1
74-97-5	Bromochloromethane	1	U	0.17	1
78-93-3	2-Butanone	6	U	2	6
67-66-3	Chloroform	1	U	0.16	1
71-55-6	1,1,1-Trichloroethane	1	U	0.14	1
56-23-5	Carbon tetrachloride	1	U	0.14	1
563-58-6	1,1-Dichloropropene	1	U	0.3	1
71-43-2	Benzene	1	U	0.17	1
107-06-2	1,2-Dichloroethane	1	U	0.15	1
79-01-6	Trichloroethene	1	U	0.19	1
78-87-5	1,2-Dichloropropane	1	U	0.15	1
74-95-3	Dibromomethane	1	U	0.11	1
75-27-4	Bromodichloromethane	1	U	0.15	1

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023702 Lab File ID 23702.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1215

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
10061-01-5	cis-1,3-Dichloropropene	1	U	0.12	1
108-10-1	4-Methyl-2-pentanone	5	U	1	5
108-88-3	Toluene	75.3		0.14	1
10061-02-6	trans-1,3-Dichloropropene	1	U	0.3	1
79-00-5	1,1,2-Trichloroethane	1	U	0.2	1
127-18-4	Tetrachloroethene	1	U	0.21	1
142-28-9	1,3-Dichloropropane	1	U	0.3	1
591-78-6	2-Hexanone	5	U	0.48	5
124-48-1	Dibromochloromethane	1	U	0.13	1
106-93-4	1,2-Dibromoethane(EDB)	0.18	J	0.11	1
108-90-7	Chlorobenzene	1	U	0.16	1
630-20-6	1,1,1,2-Tetrachloroethane	1	U	0.14	1
100-41-4	Ethylbenzene	1	U	0.22	1
511-39-00	p,m-Xylene	2	U	0.23	2
95-47-6	o-Xylene	1	U	0.5	1
100-42-5	Styrene	1	U	0.12	1
75-25-2	Bromoform	1	U	0.19	1
98-82-8	Isopropylbenzene (Cumene)	1	U	0.14	1
108-86-1	Bromobenzene	1	U	0.21	1
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.13	1
96-18-4	1,2,3-Trichloropropane	1	U	0.35	1
103-65-1	n-Propylbenzene	1	U	0.14	1
95-49-8	2-Chlorotoluene	1	U	0.072	1
106-43-4	4-Chlorotoluene	1	U	0.15	1
108-67-8	1,3,5-Trimethylbenzene	1	U	0.14	1
98-06-6	tert-Butylbenzene	1	U	0.2	1

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023702 Lab File ID 23702.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1215

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
95-63-6	1,2,4-Trimethylbenzene	1	U	0.13	1
135-98-8	sec-Butylbenzene	1	U	0.1	1
541-73-1	1,3-Dichlorobenzene	1	U	0.15	1
106-46-7	1,4-Dichlorobenzene	1	U	0.15	1
99-87-6	4-Isopropyltoluene	1	U	0.14	1
104-51-8	n-Butylbenzene	1	U	0.16	1
95-50-1	1,2-Dichlorobenzene	1	U	0.077	1
96-12-8	1,2-Dibromo-3-chloropropane	5	U	1	5
120-82-1	1,2,4-Trichlorobenzene	1	U	0.11	1
91-20-3	Naphthalene	1	U	0.5	1
87-61-6	1,2,3-Trichlorobenzene	1	U	0.16	1
1330-20-7	Xylene (total)	2	U	0.5	2
1634-04-4	MTBE	5	U	0.5	5

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-20072010DL1

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023702DL1 Lab File ID 23702D.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1323

PercentSolids: 0 decanted : Dilution Factor: 5

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	10	U	0.85	10
74-87-3	Chloromethane	10	U	1.6	10
75-01-4	Vinyl chloride	5	U	0.9	5
74-83-9	Bromomethane	10	U	2.2	10
75-00-3	Chloroethane	10	U	3.6	10
75-69-4	Trichlorofluoromethane	10	U	0.6	10
75-35-4	1,1-Dichloroethene	5	U	0.95	5
75-15-0	Carbon disulfide	10	U	0.95	10
75-09-2	Methylene chloride	25	U	3.3	25
156-60-5	trans-1,2-Dichloroethene	5	U	1.6	5
75-34-3	1,1-Dichloroethane	5	U	0.75	5
67-64-1	Acetone	50	U	6.5	50
594-20-7	2,2-Dichloropropane	25	U	0.85	25
156-59-2	cis-1,2-Dichloroethene	5	U	0.95	5
74-97-5	Bromochloromethane	5	U	0.85	5
78-93-3	2-Butanone	30	U	10	30
67-66-3	Chloroform	5	U	0.8	5
71-55-6	1,1,1-Trichloroethane	5	U	0.7	5
56-23-5	Carbon tetrachloride	5	U	0.7	5
563-58-6	1,1-Dichloropropene	5	U	1.5	5
71-43-2	Benzene	5	U	0.85	5
107-06-2	1,2-Dichloroethane	5	U	0.75	5
79-01-6	Trichloroethene	5	U	0.95	5
78-87-5	1,2-Dichloropropane	5	U	0.75	5
74-95-3	Dibromomethane	5	U	0.55	5
75-27-4	Bromodichloromethane	5	U	0.75	5

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-20072010DL1

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023702DL1 Lab File ID 23702D.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1323

PercentSolids: 0 decanted : Dilution Factor: 5

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
10061-01-5	cis-1,3-Dichloropropene	5	U	0.6	5
108-10-1	4-Methyl-2-pentanone	25	U	5	25
108-88-3	Toluene	76.1		0.7	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.5	5
79-00-5	1,1,2-Trichloroethane	5	U	1	5
127-18-4	Tetrachloroethene	5	U	1	5
142-28-9	1,3-Dichloropropane	5	U	1.5	5
591-78-6	2-Hexanone	25	U	2.4	25
124-48-1	Dibromochloromethane	5	U	0.65	5
106-93-4	1,2-Dibromoethane(EDB)	5	U	0.55	5
108-90-7	Chlorobenzene	5	U	0.8	5
630-20-6	1,1,1,2-Tetrachloroethane	5	U	0.7	5
100-41-4	Ethylbenzene	5	U	1.1	5
511-39-00	p,m-Xylene	10	U	1.2	10
95-47-6	o-Xylene	5	U	2.5	5
100-42-5	Styrene	5	U	0.6	5
75-25-2	Bromoform	5	U	0.95	5
98-82-8	Isopropylbenzene (Cumene)	5	U	0.7	5
108-86-1	Bromobenzene	5	U	1	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.65	5
96-18-4	1,2,3-Trichloropropane	5	U	1.8	5
103-65-1	n-Propylbenzene	5	U	0.7	5
95-49-8	2-Chlorotoluene	5	U	0.36	5
106-43-4	4-Chlorotoluene	5	U	0.75	5
108-67-8	1,3,5-Trimethylbenzene	5	U	0.7	5
98-06-6	tert-Butylbenzene	5	U	1	5

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-20072010DL1

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023702DL1 Lab File ID 23702D.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1323

PercentSolids: 0 decanted : Dilution Factor: 5

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
95-63-6	1,2,4-Trimethylbenzene	5	U	0.65	5
135-98-8	sec-Butylbenzene	5	U	0.5	5
541-73-1	1,3-Dichlorobenzene	5	U	0.75	5
106-46-7	1,4-Dichlorobenzene	5	U	0.75	5
99-87-6	4-Isopropyltoluene	5	U	0.7	5
104-51-8	n-Butylbenzene	5	U	0.8	5
95-50-1	1,2-Dichlorobenzene	5	U	0.38	5
96-12-8	1,2-Dibromo-3-chloropropane	25	U	5	25
120-82-1	1,2,4-Trichlorobenzene	5	U	0.55	5
91-20-3	Naphthalene	5	U	2.5	5
87-61-6	1,2,3-Trichlorobenzene	5	U	0.8	5
1330-20-7	Xylene (total)	10	U	2.5	10
1634-04-4	MTBE	25	U	2.5	25

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10626-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023705 Lab File ID 23705.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1238

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	2	U	0.17	2
74-87-3	Chloromethane	2	U	0.32	2
75-01-4	Vinyl chloride	1	U	0.18	1
74-83-9	Bromomethane	2	U	0.43	2
75-00-3	Chloroethane	2	U	0.72	2
75-69-4	Trichlorofluoromethane	2	U	0.12	2
75-35-4	1,1-Dichloroethene	1	U	0.19	1
75-15-0	Carbon disulfide	2	U	0.19	2
75-09-2	Methylene chloride	5	U	0.66	5
156-60-5	trans-1,2-Dichloroethene	1	U	0.33	1
75-34-3	1,1-Dichloroethane	1	U	0.15	1
67-64-1	Acetone	10	U	1.3	10
594-20-7	2,2-Dichloropropane	5	U	0.17	5
156-59-2	cis-1,2-Dichloroethene	1	U	0.19	1
74-97-5	Bromochloromethane	1	U	0.17	1
78-93-3	2-Butanone	6	U	2	6
67-66-3	Chloroform	1	U	0.16	1
71-55-6	1,1,1-Trichloroethane	1	U	0.14	1
56-23-5	Carbon tetrachloride	1	U	0.14	1
563-58-6	1,1-Dichloropropene	1	U	0.3	1
71-43-2	Benzene	1	U	0.17	1
107-06-2	1,2-Dichloroethane	1	U	0.15	1
79-01-6	Trichloroethene	1	U	0.19	1
78-87-5	1,2-Dichloropropane	1	U	0.15	1
74-95-3	Dibromomethane	1	U	0.11	1
75-27-4	Bromodichloromethane	1	U	0.15	1

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10626-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023705 Lab File ID 23705.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1238

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
10061-01-5	cis-1,3-Dichloropropene	1	U	0.12	1
108-10-1	4-Methyl-2-pentanone	5	U	1	5
108-88-3	Toluene	17.2		0.14	1
10061-02-6	trans-1,3-Dichloropropene	1	U	0.3	1
79-00-5	1,1,2-Trichloroethane	1	U	0.2	1
127-18-4	Tetrachloroethene	1	U	0.21	1
142-28-9	1,3-Dichloropropane	1	U	0.3	1
591-78-6	2-Hexanone	5	U	0.48	5
124-48-1	Dibromochloromethane	1	U	0.13	1
106-93-4	1,2-Dibromoethane(EDB)	1	U	0.11	1
108-90-7	Chlorobenzene	1	U	0.16	1
630-20-6	1,1,1,2-Tetrachloroethane	1	U	0.14	1
100-41-4	Ethylbenzene	1	U	0.22	1
511-39-00	p,m-Xylene	2	U	0.23	2
95-47-6	o-Xylene	1	U	0.5	1
100-42-5	Styrene	1	U	0.12	1
75-25-2	Bromoform	1	U	0.19	1
98-82-8	Isopropylbenzene (Cumene)	1	U	0.14	1
108-86-1	Bromobenzene	1	U	0.21	1
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.13	1
96-18-4	1,2,3-Trichloropropane	1	U	0.35	1
103-65-1	n-Propylbenzene	1	U	0.14	1
95-49-8	2-Chlorotoluene	1	U	0.072	1
106-43-4	4-Chlorotoluene	1	U	0.15	1
108-67-8	1,3,5-Trimethylbenzene	1	U	0.14	1
98-06-6	tert-Butylbenzene	1	U	0.2	1

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10626-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023705 Lab File ID 23705.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1238

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
95-63-6	1,2,4-Trimethylbenzene	1	U	0.13	1
135-98-8	sec-Butylbenzene	1	U	0.1	1
541-73-1	1,3-Dichlorobenzene	1	U	0.15	1
106-46-7	1,4-Dichlorobenzene	1	U	0.15	1
99-87-6	4-Isopropyltoluene	1	U	0.14	1
104-51-8	n-Butylbenzene	1	U	0.16	1
95-50-1	1,2-Dichlorobenzene	1	U	0.077	1
96-12-8	1,2-Dibromo-3-chloropropane	5	U	1	5
120-82-1	1,2,4-Trichlorobenzene	1	U	0.11	1
91-20-3	Naphthalene	1	U	0.5	1
87-61-6	1,2,3-Trichlorobenzene	1	U	0.16	1
1330-20-7	Xylene (total)	2	U	0.5	2
1634-04-4	MTBE	5	U	0.5	5

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-TB-13-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023706 Lab File ID 23706.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1300

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	2	U	0.17	2
74-87-3	Chloromethane	2	U	0.32	2
75-01-4	Vinyl chloride	1	U	0.18	1
74-83-9	Bromomethane	2	U	0.43	2
75-00-3	Chloroethane	2	U	0.72	2
75-69-4	Trichlorofluoromethane	2	U	0.12	2
75-35-4	1,1-Dichloroethene	1	U	0.19	1
75-15-0	Carbon disulfide	2	U	0.19	2
75-09-2	Methylene chloride	1.1	J	0.66	5
156-60-5	trans-1,2-Dichloroethene	1	U	0.33	1
75-34-3	1,1-Dichloroethane	1	U	0.15	1
67-64-1	Acetone	10	U	1.3	10
594-20-7	2,2-Dichloropropane	5	U	0.17	5
156-59-2	cis-1,2-Dichloroethene	1	U	0.19	1
74-97-5	Bromochloromethane	1	U	0.17	1
78-93-3	2-Butanone	6	U	2	6
67-66-3	Chloroform	1	U	0.16	1
71-55-6	1,1,1-Trichloroethane	1	U	0.14	1
56-23-5	Carbon tetrachloride	1	U	0.14	1
563-58-6	1,1-Dichloropropene	1	U	0.3	1
71-43-2	Benzene	1	U	0.17	1
107-06-2	1,2-Dichloroethane	1	U	0.15	1
79-01-6	Trichloroethene	1	U	0.19	1
78-87-5	1,2-Dichloropropane	1	U	0.15	1
74-95-3	Dibromomethane	1	U	0.11	1
75-27-4	Bromodichloromethane	1	U	0.15	1

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-TB-13-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023706 Lab File ID 23706.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1300

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
10061-01-5	cis-1,3-Dichloropropene	1	U	0.12	1
108-10-1	4-Methyl-2-pentanone	5	U	1	5
108-88-3	Toluene	0.16	J	0.14	1
10061-02-6	trans-1,3-Dichloropropene	1	U	0.3	1
79-00-5	1,1,2-Trichloroethane	1	U	0.2	1
127-18-4	Tetrachloroethene	1	U	0.21	1
142-28-9	1,3-Dichloropropane	1	U	0.3	1
591-78-6	2-Hexanone	5	U	0.48	5
124-48-1	Dibromochloromethane	1	U	0.13	1
106-93-4	1,2-Dibromoethane(EDB)	1	U	0.11	1
108-90-7	Chlorobenzene	1	U	0.16	1
630-20-6	1,1,1,2-Tetrachloroethane	1	U	0.14	1
100-41-4	Ethylbenzene	1	U	0.22	1
511-39-00	p,m-Xylene	2	U	0.23	2
95-47-6	o-Xylene	1	U	0.5	1
100-42-5	Styrene	1	U	0.12	1
75-25-2	Bromoform	1	U	0.19	1
98-82-8	Isopropylbenzene (Cumene)	1	U	0.14	1
108-86-1	Bromobenzene	1	U	0.21	1
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.13	1
96-18-4	1,2,3-Trichloropropane	1	U	0.35	1
103-65-1	n-Propylbenzene	1	U	0.14	1
95-49-8	2-Chlorotoluene	1	U	0.072	1
106-43-4	4-Chlorotoluene	1	U	0.15	1
108-67-8	1,3,5-Trimethylbenzene	1	U	0.14	1
98-06-6	tert-Butylbenzene	1	U	0.2	1

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-TB-13-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023706 Lab File ID 23706.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 1300

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
95-63-6	1,2,4-Trimethylbenzene	1	U	0.13	1
135-98-8	sec-Butylbenzene	1	U	0.1	1
541-73-1	1,3-Dichlorobenzene	1	U	0.15	1
106-46-7	1,4-Dichlorobenzene	1	U	0.15	1
99-87-6	4-Isopropyltoluene	1	U	0.14	1
104-51-8	n-Butylbenzene	1	U	0.16	1
95-50-1	1,2-Dichlorobenzene	1	U	0.077	1
96-12-8	1,2-Dibromo-3-chloropropane	5	U	1	5
120-82-1	1,2,4-Trichlorobenzene	1	U	0.11	1
91-20-3	Naphthalene	1	U	0.5	1
87-61-6	1,2,3-Trichlorobenzene	1	U	0.16	1
1330-20-7	Xylene (total)	2	U	0.5	2
1634-04-4	MTBE	5	U	0.5	5

QC Summary

110810 1442

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

072710BLK32

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 072710BLK32 Lab File ID: BLK32N.D

Sample wt/vol: 5 Units: ML Date Received: 07/27/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 0903

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	2	U	0.17	2
74-87-3	Chloromethane	2	U	0.32	2
75-01-4	Vinyl chloride	1	U	0.18	1
74-83-9	Bromomethane	2	U	0.43	2
75-00-3	Chloroethane	2	U	0.72	2
75-69-4	Trichlorofluoromethane	2	U	0.12	2
75-35-4	1,1-Dichloroethene	1	U	0.19	1
75-15-0	Carbon disulfide	2	U	0.19	2
75-09-2	Methylene chloride	5	U	0.66	5
156-60-5	trans-1,2-Dichloroethene	1	U	0.33	1
75-34-3	1,1-Dichloroethane	1	U	0.15	1
67-64-1	Acetone	10	U	1.3	10
594-20-7	2,2-Dichloropropane	5	U	0.17	5
156-59-2	cis-1,2-Dichloroethene	1	U	0.19	1
74-97-5	Bromochloromethane	1	U	0.17	1
78-93-3	2-Butanone	6	U	2	6
67-66-3	Chloroform	1	U	0.16	1
71-55-6	1,1,1-Trichloroethane	1	U	0.14	1
56-23-5	Carbon tetrachloride	1	U	0.14	1
563-58-6	1,1-Dichloropropene	1	U	0.3	1
71-43-2	Benzene	1	U	0.17	1
107-06-2	1,2-Dichloroethane	1	U	0.15	1
79-01-6	Trichloroethene	1	U	0.19	1
78-87-5	1,2-Dichloropropane	1	U	0.15	1
74-95-3	Dibromomethane	1	U	0.11	1
75-27-4	Bromodichloromethane	1	U	0.15	1
10061-01-5	cis-1,3-Dichloropropene	1	U	0.12	1

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

072710BLK32

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 072710BLK32 Lab File ID: BLK32N.D

Sample wt/vol: 5 Units: ML Date Received: 07/27/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 0903

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
108-10-1	4-Methyl-2-pentanone	5	U	1	5
108-88-3	Toluene	1	U	0.14	1
10061-02-6	trans-1,3-Dichloropropene	1	U	0.3	1
79-00-5	1,1,2-Trichloroethane	1	U	0.2	1
127-18-4	Tetrachloroethene	1	U	0.21	1
142-28-9	1,3-Dichloropropane	1	U	0.3	1
591-78-6	2-Hexanone	5	U	0.48	5
124-48-1	Dibromochloromethane	1	U	0.13	1
106-93-4	1,2-Dibromoethane(EDB)	1	U	0.11	1
108-90-7	Chlorobenzene	1	U	0.16	1
630-20-6	1,1,1,2-Tetrachloroethane	1	U	0.14	1
100-41-4	Ethylbenzene	1	U	0.22	1
511-39-00	p,m-Xylene	2	U	0.23	2
95-47-6	o-Xylene	1	U	0.5	1
100-42-5	Styrene	1	U	0.12	1
75-25-2	Bromoform	1	U	0.19	1
98-82-8	Isopropylbenzene (Cumene)	1	U	0.14	1
108-86-1	Bromobenzene	1	U	0.21	1
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.13	1
96-18-4	1,2,3-Trichloropropane	1	U	0.35	1
103-65-1	n-Propylbenzene	1	U	0.14	1
95-49-8	2-Chlorotoluene	1	U	0.072	1
106-43-4	4-Chlorotoluene	1	U	0.15	1
108-67-8	1,3,5-Trimethylbenzene	1	U	0.14	1
98-06-6	tert-Butylbenzene	1	U	0.2	1
95-63-6	1,2,4-Trimethylbenzene	1	U	0.13	1
135-98-8	sec-Butylbenzene	1	U	0.1	1

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

072710BLK32

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 072710BLK32 Lab File ID: BLK32N.D

Sample wt/vol: 5 Units: ML Date Received: 07/27/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 0903

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
541-73-1	1,3-Dichlorobenzene	1	U	0.15	1
106-46-7	1,4-Dichlorobenzene	1	U	0.15	1
99-87-6	4-Isopropyltoluene	1	U	0.14	1
104-51-8	n-Butylbenzene	1	U	0.16	1
95-50-1	1,2-Dichlorobenzene	1	U	0.077	1
96-12-8	1,2-Dibromo-3-chloropropane	5	U	1	5
120-82-1	1,2,4-Trichlorobenzene	1	U	0.11	1
91-20-3	Naphthalene	1	U	0.5	1
87-61-6	1,2,3-Trichlorobenzene	1	U	0.16	1
1330-20-7	Xylene (total)	2	U	0.5	2
1634-04-4	MTBE	5	U	0.5	5

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VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.

072710BLK32

Lab Name: PEL, Spectrum Analytic Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Lab File ID: BLK32N.D Lab Sample ID: 072710BLK32

Instrument ID: VMS03 Date Extracted:

Matrix: WATER Date Analyzed: 07/27/10

Level:(low/med) LOW Time Analyzed: 0903

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	072710LCSA31	072710LCSA31	LCS31N.D	07/27/10	0730
2	072710LCSA31D	072710LCSA31D	LCS31DN.D	07/27/10	0754
3	ST106-FD-10625-20072010	350023701	23701.D	07/27/10	1152
4	ST106-GW-10625-20072010	350023702	23702.D	07/27/10	1215
5	ST106-GW-10626-20072010	350023705	23705.D	07/27/10	1238
6	ST106-TB-13-20072010	350023706	23706.D	07/27/10	1300
7	ST106-GW-10625-20072010	350023702DL1	23702D.D	07/27/10	1323
8	ST106-MS-10625-20072010D	350023703DL1	23703DMS.D	07/27/10	1517
9	ST106-MSD-10625-20072010	350023704DL1	23704DSD.D	07/27/10	1540

COMMENTS:

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Form IV

2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. _____ SAS No: _____ SDG NO.: 3500237

Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
072710BLK32	102.0	99.6	96.6	98.6			0
072710LCSA31	102.0	102.0	96.8	100.0			0
072710LCSA31D	104.0	104.0	98.8	101.0			0
ST106-FD-10625-20072010	105.0	102.0	95.8	100.0			0
ST106-GW-10625-20072010	104.0	103.0	95.6	106.0			0
ST106-GW-10625-20072010DL1	102.0	101.0	91.8	100.0			0
ST106-GW-10626-20072010	104.0	104.0	96.2	105.0			0
ST106-MS-10625-20072010DL1	107.0	104.0	94.2	102.0			0
ST106-MSD-10625-20072010DL	110.0	111.0	98.4	112.0			0
ST106-TB-13-20072010	103.0	102.0	92.2	103.0			0

Control Limits

S1	=	Dibromofluoromethane	85 - 115
S2	=	Toluene d8	85 - 120
S3	=	4-Bromofluorobenzene	75 - 120
S4	=	1,2-Dichloroethane-d4	70 - 120

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out
Control limit source: (lab/method) METHOD

Form II

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VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Lab File ID: BFB31NC.D BFB Injection Date: 07/19/10

Instrument ID: VMS03 BFB Injection Time: 0535

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	24	
75	30.0 - 60.0% of mass 95	51.8	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	8	
173	Less than 2.0% of mass 174	0.9	(1)1
174	50.0 - 100.0% of mass 95	82.4	
175	5.0 - 9.0% of mass 174	6.3	(7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	80.8	(98)1
177	5.0 - 9.0% of mass 176	5.4	(6.6)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	STD870801	200PPT	200PPTNC.D	07/19/10	0845
2	STD870804	500PPT	500PPTNC.D	07/19/10	0909
3	STD870800	1PPB	1PPBNC.D	07/19/10	0933
4	STD870803	2PPB	2PPBNC.D	07/19/10	0957
5	STD870806	5PPB	5PPBNC.D	07/19/10	1021
6	STD870799	10PPB	10PPBNC.D	07/19/10	1044
7	STD870802	20PPB	20PPBNC.D	07/19/10	1108
8	STD870805	50PPB	50PPBNC.D	07/19/10	1132
9	STD870807	60PPB	60PPBNC.D	07/19/10	1156
10	STD870808	80PPB	80PPBNC.D	07/19/10	1220
11	SSC870828	SSC32	SSC32NC.D	07/19/10	1322

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Lab File ID: BFB31N.D BFB Injection Date: 07/27/10

Instrument ID: VMS03 BFB Injection Time: 0619

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	23.8	
75	30.0 - 60.0% of mass 95	58.5	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	8.9	
173	Less than 2.0% of mass 174	0	(0)1
174	50.0 - 100.0% of mass 95	74.2	
175	5.0 - 9.0% of mass 174	6.4	(8.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	71.3	(96.1)1
177	5.0 - 9.0% of mass 176	5.6	(7.9)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV873640	072710CCVA31	50CCV31N.D	07/27/10	0652
2	072710LCSA31	072710LCSA31	LCS31N.D	07/27/10	0730
3	072710LCSA31D	072710LCSA31	LCS31DN.D	07/27/10	0754
4	072710BLK32	072710BLK32	BLK32N.D	07/27/10	0903
5	ST106-FD-10625-20072010	350023701	23701.D	07/27/10	1152
6	ST106-GW-10625-20072010	350023702	23702.D	07/27/10	1215
7	ST106-GW-10626-20072010	350023705	23705.D	07/27/10	1238
8	ST106-TB-13-20072010	350023706	23706.D	07/27/10	1300
9	ST106-GW-10625-20072010	350023702DL1	23702D.D	07/27/10	1323
10	ST106-MS-10625-20072010	350023703	23703DMS.D	07/27/10	1517
11	ST106-MSD-10625-2007201	350023704	23704DSD.D	07/27/10	1540

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : SA Case No.: SAS No: SDG No.: 3500237

Lab File ID (Standard): 50PPBNC.D Date Analyzed: 7/19/2010

Instrument ID: VMS03 Time Analyzed: 11:32

GC Column: DB-624 ID: 0.18 (mm)

Matrix: (soil/water) W Heated Purge: (Y/N) No

		IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
	MID CAL STD	1329024		10.12	751249		12.47	1599057		6.91
	UPPER LIMIT	2658048		10.62	1502498		12.97	3198114		7.41
	LOWER LIMIT	664512		9.62	375624.5		11.97	799528.5		6.41
	EPA SAMPLE NO.									
1	072710LCSA31	1568060		10.12	886920		12.47	1791552		6.91
2	072710LCSA31D	1567002		10.12	899459		12.47	1773744		6.91
3	072710BLK32	1601715		10.12	882533		12.47	1825618		6.91
4	ST106-FD-10625-20072010	1459792		10.12	816319		12.47	1638600		6.91
5	ST106-GW-10625-20072010	1440194		10.12	817892		12.47	1630879		6.91
6	ST106-GW-10626-20072010	1472543		10.12	827907		12.47	1642293		6.91
7	ST106-TB-13-20072010	1513105		10.12	866095		12.47	1681905		6.91
8	ST106-GW-10625-20072010DL	1482762		10.12	846172		12.47	1673684		6.91
9	ST106-MS-10625-20072010DL	1527953		10.12	897968		12.47	1697794		6.91
10	ST106-MSD-10625-20072010D	1515690		10.12	882942		12.47	1654144		6.91

IS1 = Chlorobenzene d5

IS2 = 1,4-Dichlorobenzene-d4

IS3 = Fluorobenzene

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = -50% of internal standard area

Column used to flag internal standard area values with an asterisk

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FORM VIII

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

072710LCSA31

Lab Name: PEL, Spectrum Analytical, In Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	16.3	81.5		30.0	30 - 155
Chloromethane	20	17.3	86.5		30.0	40 - 125
Vinyl chloride	20	20.2	101.0		30.0	50 - 145
Bromomethane	20	19.3	96.5		30.0	30 - 145
Chloroethane	20	17.9	89.5		30.0	60 - 135
Trichlorofluoromethane	20	18.8	94.0		30.0	60 - 145
1,1-Dichloroethene	20	17.4	87.0		30.0	70 - 130
Carbon disulfide	20	18.6	93.0		30.0	35 - 160
Methylene chloride	20	21	105.0		30.0	55 - 140
trans-1,2-Dichloroethene	20	20.8	104.0		30.0	60 - 140
1,1-Dichloroethane	20	21.2	106.0		30.0	70 - 135
Acetone	40	42.1	105.0		30.0	40 - 140
2,2-Dichloropropane	20	21	105.0		30.0	70 - 135
cis-1,2-Dichloroethene	20	21.6	108.0		30.0	70 - 125
Bromochloromethane	20	19.9	99.5		30.0	65 - 130
2-Butanone	40	42.3	106.0		30.0	30 - 150
Chloroform	20	19.5	97.5		30.0	65 - 135
1,1,1-Trichloroethane	20	20.4	102.0		30.0	65 - 130
Carbon tetrachloride	20	19.4	97.0		30.0	65 - 140
1,1-Dichloropropene	20	21.3	106.0		30.0	75 - 130
Benzene	20	21.5	108.0		30.0	80 - 120
1,2-Dichloroethane	20	19.6	98.0		30.0	70 - 130
Trichloroethene	20	21	105.0		30.0	70 - 125
1,2-Dichloropropane	20	21.2	106.0		30.0	75 - 125
Dibromomethane	20	19.2	96.0		30.0	75 - 125
Bromodichloromethane	20	19.4	97.0		30.0	75 - 120
cis-1,3-Dichloropropene	20	20.7	104.0		30.0	70 - 130
4-Methyl-2-pentanone	40	39.3	98.2		30.0	60 - 135
Toluene	20	21.4	107.0		30.0	75 - 120
trans-1,3-Dichloropropene	20	18.5	92.5		30.0	55 - 140
1,1,2-Trichloroethane	20	19.6	98.0		30.0	75 - 125
Tetrachloroethene	20	21.4	107.0		30.0	45 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

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Form III

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

072710LCSA31

Lab Name: PEL, Spectrum Analytical, In Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	20	20	100.0		30.0	75 - 125
2-Hexanone	40	40	100.0		30.0	55 - 130
Dibromochloromethane	20	19.8	99.0		30.0	60 - 135
1,2-Dibromoethane(EDB)	20	19.2	96.0		30.0	80 - 120
Chlorobenzene	20	20.2	101.0		30.0	80 - 120
1,1,1,2-Tetrachloroethane	20	20.1	100.0		30.0	80 - 130
Ethylbenzene	20	20.7	104.0		30.0	75 - 125
p,m-Xylene	40	43.2	108.0		30.0	75 - 130
o-Xylene	20	21	105.0		30.0	80 - 120
Styrene	20	21.6	108.0		30.0	65 - 135
Bromoform	20	19.2	96.0		30.0	70 - 130
Isopropylbenzene (Cumene)	20	20.8	104.0		30.0	75 - 125
Bromobenzene	20	20.1	100.0		30.0	75 - 125
1,1,2,2-Tetrachloroethane	20	18.7	93.5		30.0	65 - 130
1,2,3-Trichloropropane	20	19.4	97.0		30.0	75 - 125
n-Propylbenzene	20	21.6	108.0		30.0	70 - 130
2-Chlorotoluene	20	20.7	104.0		30.0	75 - 125
4-Chlorotoluene	20	20.7	104.0		30.0	75 - 130
1,3,5-Trimethylbenzene	20	21.6	108.0		30.0	75 - 130
tert-Butylbenzene	20	21.4	107.0		30.0	70 - 130
1,2,4-Trimethylbenzene	20	21.6	108.0		30.0	75 - 130
sec-Butylbenzene	20	21.9	110.0		30.0	70 - 125
1,3-Dichlorobenzene	20	21.1	106.0		30.0	75 - 125
1,4-Dichlorobenzene	20	20	100.0		30.0	75 - 125
4-Isopropyltoluene	20	21.6	108.0		30.0	75 - 130
n-Butylbenzene	20	22.1	110.0		30.0	70 - 135
1,2-Dichlorobenzene	20	20.7	104.0		30.0	70 - 120
1,2-Dibromo-3-chloropropane	20	16.9	84.5		30.0	50 - 130
1,2,4-Trichlorobenzene	20	20.2	101.0		30.0	65 - 135
Naphthalene	20	17.4	87.0		30.0	55 - 140
1,2,3-Trichlorobenzene	20	18.4	92.0		30.0	55 - 140
Xylene (total)	60	64.2	107.0		30.0	82 - 124

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

110810 1442

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

072710LCSA31

Lab Name: PEL, Spectrum Analytical, In Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
MTBE	20	19	95.0		30.0	65 - 125

Spike Recovery: 0 out of 65 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

110810 1442

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

072710LCSA31D

Lab Name: PEL, Spectrum Analytical, In Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	15.8	79.0	3.1	30.0	30 - 155
Chloromethane	20	16.3	81.5	6.0	30.0	40 - 125
Vinyl chloride	20	18.9	94.5	6.6	30.0	50 - 145
Bromomethane	20	17.6	88.0	9.2	30.0	30 - 145
Chloroethane	20	17.6	88.0	1.7	30.0	60 - 135
Trichlorofluoromethane	20	17.9	89.5	4.9	30.0	60 - 145
1,1-Dichloroethene	20	19.2	96.0	9.8	30.0	70 - 130
Carbon disulfide	20	18.4	92.0	1.1	30.0	35 - 160
Methylene chloride	20	20.5	102.0	2.4	30.0	55 - 140
trans-1,2-Dichloroethene	20	19.9	99.5	4.4	30.0	60 - 140
1,1-Dichloroethane	20	20.3	102.0	4.3	30.0	70 - 135
Acetone	40	41.5	104.0	1.4	30.0	40 - 140
2,2-Dichloropropane	20	20.7	104.0	1.4	30.0	70 - 135
cis-1,2-Dichloroethene	20	20	100.0	7.7	30.0	70 - 125
Bromochloromethane	20	20.1	100.0	1.0	30.0	65 - 130
2-Butanone	40	40.8	102.0	3.6	30.0	30 - 150
Chloroform	20	19.7	98.5	1.0	30.0	65 - 135
1,1,1-Trichloroethane	20	20.2	101.0	1.0	30.0	65 - 130
Carbon tetrachloride	20	18.6	93.0	4.2	30.0	65 - 140
1,1-Dichloropropene	20	20.6	103.0	3.3	30.0	75 - 130
Benzene	20	21	105.0	2.4	30.0	80 - 120
1,2-Dichloroethane	20	19.4	97.0	1.0	30.0	70 - 130
Trichloroethene	20	20.7	104.0	1.4	30.0	70 - 125
1,2-Dichloropropane	20	20.7	104.0	2.4	30.0	75 - 125
Dibromomethane	20	19.6	98.0	2.1	30.0	75 - 125
Bromodichloromethane	20	19.8	99.0	2.0	30.0	75 - 120
cis-1,3-Dichloropropene	20	20.9	104.0	1.0	30.0	70 - 130
4-Methyl-2-pentanone	40	39.2	98.0	0.3	30.0	60 - 135
Toluene	20	21.1	106.0	1.4	30.0	75 - 120
trans-1,3-Dichloropropene	20	17.8	89.0	3.9	30.0	55 - 140
1,1,2-Trichloroethane	20	19.8	99.0	1.0	30.0	75 - 125
Tetrachloroethene	20	21.1	106.0	1.4	30.0	45 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

110810 1442

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

072710LCSA31D

Lab Name: PEL, Spectrum Analytical, In Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	20	19.8	99.0	1.0	30.0	75 - 125
2-Hexanone	40	39.6	99.0	1.0	30.0	55 - 130
Dibromochloromethane	20	19.3	96.5	2.6	30.0	60 - 135
1,2-Dibromoethane(EDB)	20	19.3	96.5	0.5	30.0	80 - 120
Chlorobenzene	20	20	100.0	1.0	30.0	80 - 120
1,1,1,2-Tetrachloroethane	20	19.6	98.0	2.5	30.0	80 - 130
Ethylbenzene	20	20.2	101.0	2.4	30.0	75 - 125
p,m-Xylene	40	42.8	107.0	0.9	30.0	75 - 130
o-Xylene	20	20.4	102.0	2.9	30.0	80 - 120
Styrene	20	21.7	108.0	0.5	30.0	65 - 135
Bromoform	20	19.3	96.5	0.5	30.0	70 - 130
Isopropylbenzene (Cumene)	20	20.3	102.0	2.4	30.0	75 - 125
Bromobenzene	20	19.3	96.5	4.1	30.0	75 - 125
1,1,2,2-Tetrachloroethane	20	19.1	95.5	2.1	30.0	65 - 130
1,2,3-Trichloropropane	20	18.6	93.0	4.2	30.0	75 - 125
n-Propylbenzene	20	20.8	104.0	3.8	30.0	70 - 130
2-Chlorotoluene	20	20	100.0	3.4	30.0	75 - 125
4-Chlorotoluene	20	20.3	102.0	2.0	30.0	75 - 130
1,3,5-Trimethylbenzene	20	20.5	102.0	5.2	30.0	75 - 130
tert-Butylbenzene	20	20.3	102.0	5.3	30.0	70 - 130
1,2,4-Trimethylbenzene	20	20.5	102.0	5.2	30.0	75 - 130
sec-Butylbenzene	20	20.9	104.0	4.7	30.0	70 - 125
1,3-Dichlorobenzene	20	20.3	102.0	3.9	30.0	75 - 125
1,4-Dichlorobenzene	20	19.6	98.0	2.0	30.0	75 - 125
4-Isopropyltoluene	20	20.6	103.0	4.7	30.0	75 - 130
n-Butylbenzene	20	20.7	104.0	6.5	30.0	70 - 135
1,2-Dichlorobenzene	20	19.6	98.0	5.5	30.0	70 - 120
1,2-Dibromo-3-chloropropane	20	17.4	87.0	2.9	30.0	50 - 130
1,2,4-Trichlorobenzene	20	19.6	98.0	3.0	30.0	65 - 135
Naphthalene	20	17.4	87.0	0.0	30.0	55 - 140
1,2,3-Trichlorobenzene	20	18.5	92.5	0.5	30.0	55 - 140
Xylene (total)	60	63.2	105.0	1.6	30.0	82 - 124

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

110810 1442

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

072710LCSA31D

Lab Name: PEL, Spectrum Analytical, In Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
MTBE	20	19.6	98.0	3.1	30.0	65 - 125

Spike Recovery: 0 out of 65 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

110810 1442

Form III

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106 ST106-MS-10625-20072010DL1

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Dichlorodifluoromethane	100	0	78	78.0	30 - 155
Chloromethane	100	0	84	83.6	40 - 125
Vinyl chloride	100	0	94	93.6	50 - 145
Bromomethane	100	0	84	83.5	30 - 145
Chloroethane	100	0	78	78.1	60 - 135
Trichlorofluoromethane	100	0	98	97.8	60 - 145
1,1-Dichloroethene	100	0	73	73.0	70 - 130
Carbon disulfide	100	0	62	61.6	35 - 160
Methylene chloride	100	0	75	75.3	55 - 140
trans-1,2-Dichloroethene	100	0	77	77.0	60 - 140
1,1-Dichloroethane	100	0	83	83.0	70 - 135
Acetone	200	0	120	62.0	40 - 140
2,2-Dichloropropane	100	0	100	102.0	70 - 135
cis-1,2-Dichloroethene	100	0	110	106.0	70 - 125
Bromochloromethane	100	0	100	105.0	65 - 130
2-Butanone	200	0	200	102.0	30 - 150
Chloroform	100	0	100	103.0	65 - 135
1,1,1-Trichloroethane	100	0	100	104.0	65 - 130
Carbon tetrachloride	100	0	94	93.7	65 - 140
1,1-Dichloropropene	100	0	110	106.0	75 - 130
Benzene	100	0	110	109.0	80 - 120
1,2-Dichloroethane	100	0	100	105.0	70 - 130
Trichloroethene	100	0	100	104.0	70 - 125
1,2-Dichloropropane	100	0	100	105.0	75 - 125
Dibromomethane	100	0	100	103.0	75 - 125
Bromodichloromethane	100	0	100	102.0	75 - 120
cis-1,3-Dichloropropene	100	0	100	101.0	70 - 130
4-Methyl-2-pentanone	200	0	210	104.0	60 - 135
Toluene	100	76	180	105.0	75 - 120
trans-1,3-Dichloropropene	100	0	91	91.3	55 - 140

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110810 1442

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106 ST106-MS-10625-20072010DL1

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
1,1,2-Trichloroethane	100	0	110	106.0	75 - 125
Tetrachloroethene	100	0	100	104.0	45 - 150
1,3-Dichloropropane	100	0	100	103.0	75 - 125
2-Hexanone	200	0	200	98.0	55 - 130
Dibromochloromethane	100	0	98	98.3	60 - 135
1,2-Dibromoethane(EDB)	100	0	100	102.0	80 - 120
Chlorobenzene	100	0	100	104.0	80 - 120
1,1,1,2-Tetrachloroethane	100	0	100	99.5	80 - 130
Ethylbenzene	100	0	100	105.0	75 - 125
p,m-Xylene	200	0	220	108.0	75 - 130
o-Xylene	100	0	110	106.0	80 - 120
Styrene	100	0	110	108.0	65 - 135
Bromoform	100	0	93	92.9	70 - 130
Isopropylbenzene (Cumene)	100	0	100	100.0	75 - 125
Bromobenzene	100	0	95	95.4	75 - 125
1,1,2,2-Tetrachloroethane	100	0	97	96.6	65 - 130
1,2,3-Trichloropropane	100	0	96	95.8	75 - 125
n-Propylbenzene	100	0	100	104.0	70 - 130
2-Chlorotoluene	100	0	99	99.4	75 - 125
4-Chlorotoluene	100	0	99	99.2	75 - 130
1,3,5-Trimethylbenzene	100	0	100	100.0	75 - 130
tert-Butylbenzene	100	0	100	103.0	70 - 130
1,2,4-Trimethylbenzene	100	0	100	102.0	75 - 130
sec-Butylbenzene	100	0	100	102.0	70 - 125
1,3-Dichlorobenzene	100	0	100	101.0	75 - 125
1,4-Dichlorobenzene	100	0	98	98.3	75 - 125
4-Isopropyltoluene	100	0	100	101.0	75 - 130
n-Butylbenzene	100	0	100	100.0	70 - 135
1,2-Dichlorobenzene	100	0	100	100.0	70 - 120
1,2-Dibromo-3-chloropropane	100	0	90	90.0	50 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110810 1442

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106 ST106-MS-10625-20072010DL1

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
1,2,4-Trichlorobenzene	100	0	97	97.3	65 - 135
Naphthalene	100	0	88	88.2	55 - 140
1,2,3-Trichlorobenzene	100	0	94	94.0	55 - 140
Xylene (total)	300	0	320	107.0	82 - 124
MTBE	100	0	82	81.7	65 - 125

Spike Recovery: 0 out of 65 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110810 1442

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST10 ST106-MSD-10625-20072010DL1

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	100	77	77.0	1.3	30	30 - 155
Chloromethane	100	86	86.5	3.4	30	40 - 125
Vinyl chloride	100	96	95.6	2.1	30	50 - 145
Bromomethane	100	88	88.0	5.2	30	30 - 145
Chloroethane	100	88	87.7	11.6	30	60 - 135
Trichlorofluoromethane	100	98	98.5	0.7	30	60 - 145
1,1-Dichloroethene	100	87	86.9	17.4	30	70 - 130
Carbon disulfide	100	90	89.9	37.4 *	30	35 - 160
Methylene chloride	100	75	75.0	0.4	30	55 - 140
trans-1,2-Dichloroethene	100	79	78.6	2.1	30	60 - 140
1,1-Dichloroethane	100	78	78.1	6.1	30	70 - 135
Acetone	200	140	69.5	11.4	30	40 - 140
2,2-Dichloropropane	100	89	88.9	13.7	30	70 - 135
cis-1,2-Dichloroethene	100	84	84.5	22.6	30	70 - 125
Bromochloromethane	100	100	104.0	1.0	30	65 - 130
2-Butanone	200	160	78.0	26.2	30	30 - 150
Chloroform	100	110	106.0	2.9	30	65 - 135
1,1,1-Trichloroethane	100	110	110.0	5.6	30	65 - 130
Carbon tetrachloride	100	96	96.1	2.5	30	65 - 140
1,1-Dichloropropene	100	110	108.0	1.9	30	75 - 130
Benzene	100	110	114.0	4.5	30	80 - 120
1,2-Dichloroethane	100	100	103.0	1.9	30	70 - 130
Trichloroethene	100	110	109.0	4.7	30	70 - 125
1,2-Dichloropropane	100	110	112.0	6.5	30	75 - 125
Dibromomethane	100	110	106.0	2.9	30	75 - 125
Bromodichloromethane	100	100	104.0	1.9	30	75 - 120
cis-1,3-Dichloropropene	100	110	107.0	5.8	30	70 - 130
4-Methyl-2-pentanone	200	210	104.0	0.5	30	60 - 135
Toluene	100	180	108.0	1.6	30	75 - 120
trans-1,3-Dichloropropene	100	92	91.6	0.3	30	55 - 140

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110810 1442

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST10 ST106-MSD-10625-20072010DL1

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,2-Trichloroethane	100	110	106.0	0.0	30	75 - 125
Tetrachloroethene	100	100	103.0	1.0	30	45 - 150
1,3-Dichloropropane	100	100	102.0	1.0	30	75 - 125
2-Hexanone	200	190	94.5	3.6	30	55 - 130
Dibromochloromethane	100	99	99.3	1.0	30	60 - 135
1,2-Dibromoethane(EDB)	100	100	99.8	2.2	30	80 - 120
Chlorobenzene	100	100	104.0	0.0	30	80 - 120
1,1,1,2-Tetrachloroethane	100	98	98.2	1.3	30	80 - 130
Ethylbenzene	100	100	105.0	0.0	30	75 - 125
p,m-Xylene	200	220	108.0	0.0	30	75 - 130
o-Xylene	100	100	105.0	0.9	30	80 - 120
Styrene	100	110	108.0	0.0	30	65 - 135
Bromoform	100	93	93.4	0.5	30	70 - 130
Isopropylbenzene (Cumene)	100	100	102.0	2.0	30	75 - 125
Bromobenzene	100	98	98.4	3.1	30	75 - 125
1,1,2,2-Tetrachloroethane	100	94	94.5	2.2	30	65 - 130
1,2,3-Trichloropropane	100	96	95.6	0.2	30	75 - 125
n-Propylbenzene	100	100	104.0	0.0	30	70 - 130
2-Chlorotoluene	100	100	102.0	2.6	30	75 - 125
4-Chlorotoluene	100	100	102.0	2.8	30	75 - 130
1,3,5-Trimethylbenzene	100	100	104.0	3.9	30	75 - 130
tert-Butylbenzene	100	100	101.0	2.0	30	70 - 130
1,2,4-Trimethylbenzene	100	100	103.0	1.0	30	75 - 130
sec-Butylbenzene	100	100	104.0	1.9	30	70 - 125
1,3-Dichlorobenzene	100	100	102.0	1.0	30	75 - 125
1,4-Dichlorobenzene	100	100	102.0	3.7	30	75 - 125
4-Isopropyltoluene	100	100	104.0	2.9	30	75 - 130
n-Butylbenzene	100	100	104.0	3.9	30	70 - 135
1,2-Dichlorobenzene	100	100	102.0	2.0	30	70 - 120
1,2-Dibromo-3-chloropropane	100	83	83.0	8.1	30	50 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110810 1442

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST10 ST106-MSD-10625-20072010DL1

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,4-Trichlorobenzene	100	100	101.0	3.7	30	65 - 135
Naphthalene	100	87	86.8	1.6	30	55 - 140
1,2,3-Trichlorobenzene	100	95	94.9	1.0	30	55 - 140
Xylene (total)	300	320	107.0	0.3	30	82 - 124
MTBE	100	79	78.6	3.9	30	65 - 125

RPD: 1 out of 65 outside limits

Spike Recovery: 0 out of 65 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110810 1442

Standards Data

110810 1442

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: VMS03 Calibration Date Begin: 07/19/10 End: 07/19/10

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 845 End: 1220

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF0.2 =200PPTNC.D RRF0.5 =500PPTNC.D
RRF1 =1PPBNC.D RRF2 =2PPBNC.D RRF5 =5PPBNC.D

COMPOUND		RRF0.2	RRF0.5	RRF1	RRF2	RRF5	$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane				0.413	0.336	0.381			
Chloromethane	#		0.311	0.391	0.359	0.389			#
Vinyl chloride	*		0.274	0.352	0.336	0.362			*
Bromomethane				0.222	0.200	0.216			
Chloroethane				0.287	0.206	0.226			
Trichlorofluoromethane				0.539	0.439	0.520			
1,1-Dichloroethene	*		0.445	0.440	0.380	0.419			*
Carbon disulfide				0.775	0.691	0.737			
Methylene chloride				0.798	0.624	0.534			
trans-1,2-Dichloroethene			0.351	0.400	0.330	0.401			
1,1-Dichloroethane	#			0.505	0.456	0.487			#
Acetone					0.119	0.099			
2,2-Dichloropropane				0.194	0.171	0.165			
cis-1,2-Dichloroethene			0.285	0.302	0.254	0.288			
Bromochloromethane				0.283	0.252	0.286			
2-Butanone					0.094	0.094			
Chloroform	*	0.563	0.499	0.505	0.460	0.474			*
1,1,1-Trichloroethane				0.313	0.326	0.348			
Carbon tetrachloride			0.258	0.335	0.267	0.315			
1,1-Dichloropropene				0.338	0.315	0.349			
Benzene		0.948	1.014	1.104	1.004	1.036			
1,2-Dichloroethane			0.360	0.380	0.389	0.379			
Trichloroethene			0.278	0.286	0.253	0.274			
1,2-Dichloropropane	*		0.248	0.314	0.249	0.284			*
Dibromomethane				0.185	0.165	0.174			
Bromodichloromethane			0.379	0.411	0.341	0.365			
cis-1,3-Dichloropropene			0.364	0.375	0.336	0.358			
4-Methyl-2-pentanone					0.062	0.068			
Toluene	*		0.589	0.655	0.591	0.649			*
trans-1,3-Dichloropropene				0.298	0.252	0.292			
1,1,2-Trichloroethane				0.256	0.233	0.236			
Tetrachloroethene			0.210	0.275	0.210	0.229			
1,3-Dichloropropane		0.398	0.433	0.490	0.481	0.473			
2-Hexanone					0.126	0.152			

110810 1442

FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: VMS03 Calibration Date Begin: 07/19/10 End: 07/19/10

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 845 End: 1220

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF0.2 =200PPTNC.D RRF0.5 =500PPTNC.D
RRF1 =1PPBNC.D RRF2 =2PPBNC.D RRF5 =5PPBNC.D

COMPOUND	RRF0.2	RRF0.5	RRF1	RRF2	RRF5	$\overline{RRF}$	%RSD OR R^2
Dibromochloromethane		0.289	0.305	0.271	0.296		
1,2-Dibromoethane(EDB)			0.274	0.263	0.264		
Chlorobenzene #		0.885	0.921	0.835	0.888		#
1,1,1,2-Tetrachloroethane		0.305	0.291	0.254	0.285		
Ethylbenzene *		0.430	0.445	0.425	0.454		*
p,m-Xylene	0.507	0.518	0.532	0.504	0.571		
o-Xylene		1.075	1.074	0.991	1.101		
Styrene			0.816	0.716	0.889		
Bromoform #			0.165	0.142	0.182		#
Isopropylbenzene (Cumene)			2.134	1.877	2.094		
Bromobenzene			1.097	0.961	0.949		
1,1,2,2-Tetrachloroethane #	0.559	0.683	0.764	0.629	0.649		#
1,2,3-Trichloropropane			0.198	0.152	0.205		
n-Propylbenzene			2.341	2.237	2.512		
2-Chlorotoluene			1.686	1.603	1.725		
4-Chlorotoluene			1.860	1.847	2.008		
1,3,5-Trimethylbenzene			1.795	1.560	1.892		
tert-Butylbenzene			1.348	1.253	1.464		
1,2,4-Trimethylbenzene			1.822	1.795	1.966		
sec-Butylbenzene			1.944	1.764	1.984		
1,3-Dichlorobenzene		1.135	1.172	1.094	1.173		
1,4-Dichlorobenzene		1.308	1.318	1.195	1.228		
4-Isopropyltoluene			1.669	1.613	1.769		
n-Butylbenzene			1.519	1.320	1.374		
1,2-Dichlorobenzene		1.076	1.167	1.026	1.133		
1,2-Dibromo-3-chloropropane				0.099	0.086		
1,2,4-Trichlorobenzene			0.561	0.542	0.522		
Naphthalene			1.197	1.042	1.180		
1,2,3-Trichlorobenzene			0.483	0.427	0.454		
MTBE			0.560	0.504	0.526		
==========							
Dibromofluoromethane(SURR)							
Toluene d8(SURR)							
4-Bromofluorobenzene(SURR)							

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: VMS03 Calibration Date Begin: 07/19/10 End: 07/19/10

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 845 End: 1220

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF0.2 =200PPTNC.D RRF0.5 =500PPTNC.D
RRF1 =1PPBNC.D RRF2 =2PPBNC.D RRF5 =5PPBNC.D

COMPOUND	RRF0.2	RRF0.5	RRF1	RRF2	RRF5	$\overline{RRF}$	%RSD OR R^2
1,2-Dichloroethane-d4(SURR)							

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: VMS03 Calibration Date Begin: 07/19/10 End: 07/19/10

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 845 End: 1220

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF10 =10PPBNC.D RRF20 =20PPBNC.D
RRF50 =50PPBNC.D RRF60 =60PPBNC.D RRF80 =80PPBNC.D

COMPOUND		RRF10	RRF20	RRF50	RRF60	RRF80	$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane		0.336	0.348	0.354	0.375	0.366	0.36382	7.2	
Chloromethane	#	0.330	0.351	0.313	0.324	0.315	0.34258	9.3	#
Vinyl chloride	*	0.323	0.335	0.345	0.361	0.353	0.33786	8	*
Bromomethane		0.174	0.183	0.176	0.172	0.169	0.18892	11	
Chloroethane		0.195	0.207	0.213	0.217	0.214	0.22051	12.8	
Trichlorofluoromethane		0.443	0.491	0.502	0.535	0.532	0.50001	8	
1,1-Dichloroethene	*	0.422	0.406	0.444	0.491	0.470	0.43538	7.6	*
Carbon disulfide		0.723	0.692	0.762	0.842	0.811	0.75413	7.2	
Methylene chloride		0.470	0.437	0.461	0.487	0.471	0.5353	0.99871	
trans-1,2-Dichloroethene		0.386	0.372	0.410	0.436	0.422	0.3898	8.7	
1,1-Dichloroethane	#	0.465	0.446	0.492	0.533	0.513	0.48713	6.2	#
Acetone		0.074	0.065	0.063	0.067	0.065	0.07871	0.99843	
2,2-Dichloropropane		0.181	0.176	0.199	0.222	0.213	0.19005	10.7	
cis-1,2-Dichloroethene		0.288	0.277	0.292	0.316	0.309	0.2902	6.3	
Bromochloromethane		0.263	0.263	0.272	0.290	0.277	0.27323	4.7	
2-Butanone		0.088	0.087	0.093	0.102	0.098	0.09376	5.5	
Chloroform	*	0.472	0.441	0.488	0.523	0.498	0.49244	7	*
1,1,1-Trichloroethane		0.358	0.334	0.385	0.430	0.414	0.36338	11.6	
Carbon tetrachloride		0.306	0.299	0.354	0.403	0.393	0.32549	0.99468	
1,1-Dichloropropene		0.345	0.352	0.384	0.417	0.412	0.36383	10	
Benzene		1.024	1.013	1.101	1.177	1.104	1.05244	6.4	
1,2-Dichloroethane		0.370	0.362	0.403	0.425	0.412	0.38661	5.9	
Trichloroethene		0.275	0.261	0.290	0.312	0.308	0.28186	6.9	
1,2-Dichloropropane	*	0.282	0.268	0.307	0.319	0.311	0.28681	9.6	*
Dibromomethane		0.164	0.157	0.173	0.189	0.180	0.17342	6.4	
Bromodichloromethane		0.360	0.353	0.401	0.423	0.402	0.38169	7.5	
cis-1,3-Dichloropropene		0.374	0.383	0.442	0.481	0.459	0.39684	12.8	
4-Methyl-2-pentanone		0.074	0.073	0.083	0.092	0.090	0.07738	14.8	
Toluene	*	0.651	0.636	0.685	0.727	0.695	0.65326	6.9	*
trans-1,3-Dichloropropene		0.291	0.306	0.366	0.402	0.394	0.32535	0.99646	
1,1,2-Trichloroethane		0.220	0.218	0.241	0.259	0.243	0.23812	6.3	
Tetrachloroethene		0.241	0.227	0.255	0.281	0.265	0.24366	11	
1,3-Dichloropropane		0.480	0.464	0.518	0.542	0.528	0.48063	9	
2-Hexanone		0.144	0.146	0.167	0.185	0.178	0.15676	13.4	

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: VMS03 Calibration Date Begin: 07/19/10 End: 07/19/10

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 845 End: 1220

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF10 =10PPBNC.D RRF20 =20PPBNC.D
RRF50 =50PPBNC.D RRF60 =60PPBNC.D RRF80 =80PPBNC.D

COMPOUND		RRF10	RRF20	RRF50	RRF60	RRF80	$\overline{RRF}$	%RSD OR R^2	
Dibromochloromethane		0.289	0.290	0.341	0.364	0.350	0.31038	10.5	
1,2-Dibromoethane(EDB)		0.268	0.265	0.298	0.318	0.306	0.28203	7.7	
Chlorobenzene	#	0.869	0.853	0.928	0.969	0.917	0.8961	4.7	#
1,1,1,2-Tetrachloroethane		0.290	0.286	0.336	0.358	0.339	0.30486	10.8	
Ethylbenzene	*	0.456	0.451	0.502	0.539	0.511	0.46819	8.4	*
p,m-Xylene		0.567	0.549	0.608	0.638	0.607	0.56019	8.2	
o-Xylene		1.127	1.131	1.241	1.321	1.233	1.14389	9	
Styrene		0.888	0.903	1.036	1.075	1.017	0.91747	13.1	
Bromoform	#	0.166	0.173	0.204	0.217	0.211	0.18241	14.3	#
Isopropylbenzene (Cumene)		2.094	2.107	2.464	2.590	2.493	2.23169	11.2	
Bromobenzene		0.960	0.949	1.105	1.170	1.132	1.04061	9	
1,1,2,2-Tetrachloroethane	#	0.599	0.586	0.653	0.665	0.661	0.64485	8.9	#
1,2,3-Trichloropropane		0.161	0.170	0.195	0.204	0.193	0.18465	11.3	
n-Propylbenzene		2.601	2.597	2.880	3.040	2.918	2.64081	10.8	
2-Chlorotoluene		1.697	1.647	1.876	1.984	1.831	1.75605	7.4	
4-Chlorotoluene		1.987	1.910	2.176	2.259	2.180	2.02841	7.8	
1,3,5-Trimethylbenzene		1.840	1.873	2.123	2.235	2.160	1.93482	11.6	
tert-Butylbenzene		1.418	1.446	1.699	1.803	1.741	1.5216	13.2	
1,2,4-Trimethylbenzene		2.018	2.032	2.270	2.356	2.284	2.06783	10.3	
sec-Butylbenzene		2.043	2.049	2.350	2.470	2.373	2.12214	11.6	
1,3-Dichlorobenzene		1.114	1.111	1.255	1.325	1.277	1.18388	7	
1,4-Dichlorobenzene		1.171	1.163	1.308	1.323	1.299	1.25711	5.3	
4-Isopropyltoluene		1.723	1.744	2.020	2.144	2.067	1.84354	10.9	
n-Butylbenzene		1.465	1.479	1.703	1.817	1.763	1.55486	11.8	
1,2-Dichlorobenzene		1.073	1.092	1.226	1.257	1.214	1.14038	7	
1,2-Dibromo-3-chloropropane		0.085	0.086	0.107	0.116	0.110	0.09838	13.1	
1,2,4-Trichlorobenzene		0.539	0.550	0.687	0.735	0.713	0.6063	14.7	
Naphthalene		1.256	1.365	1.655	1.783	1.757	1.40449	0.99706	
1,2,3-Trichlorobenzene		0.463	0.504	0.589	0.634	0.616	0.52132	0.99753	
MTBE		0.539	0.527	0.585	0.662	0.627	0.56615	9.7	
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Dibromofluoromethane(SURR)		0.276	0.287	0.293	0.301	0.295	0.29056	3.3	
Toluene d8(SURR)		1.054	1.098	1.134	1.153	1.101	1.10813	3.4	
4-Bromofluorobenzene(SURR)		0.765	0.806	0.889	0.891	0.859	0.84211	6.6	

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: VMS03 Calibration Date Begin: 07/19/10 End: 07/19/10

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 845 End: 1220

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF10 =10PPBNC.D RRF20 =20PPBNC.D
RRF50 =50PPBNC.D RRF60 =60PPBNC.D RRF80 =80PPBNC.D

COMPOUND	RRF10	RRF20	RRF50	RRF60	RRF80	$\overline{RRF}$	%RSD OR R^2
1,2-Dichloroethane-d4(SURR)	0.064	0.070	0.069	0.071	0.068	0.06816	3.9

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FORM VI

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: VMS03 CalibrationDate: 07/19/10 Time: 1322

CCV ID: SSC870828 Lab File ID: SSC32NC.D Init. Calib. Date Begin: 07/19/10 End: 07/19/10

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Dichlorodifluoromethane		0.36382	0.34408	5.4	AVRG	
Chloromethane	#	0.34258	0.31308	8.6	AVRG	#
Vinyl chloride	*	0.33786	0.34389	1.8	AVRG	*
Bromomethane		0.18892	0.17254	8.7	AVRG	
Chloroethane		0.22051	0.20933	5.1	AVRG	
Trichlorofluoromethane		0.50001	0.50759	1.5	AVRG	
1,1-Dichloroethene	*	0.43538	0.45779	5.1	AVRG	*
Carbon disulfide		0.75413	0.80359	6.6	AVRG	
Methylene chloride		50	49.1	1.8	LINR	
trans-1,2-Dichloroethene		0.3898	0.41855	7.4	AVRG	
1,1-Dichloroethane	#	0.48713	0.51166	5.0	AVRG	#
Acetone		100	104	4.0	LINR	
2,2-Dichloropropane		0.19005	0.20112	5.8	AVRG	
cis-1,2-Dichloroethene		0.2902	0.30428	4.9	AVRG	
Bromochloromethane		0.27323	0.27755	1.6	AVRG	
2-Butanone		0.09376	0.09915	5.7	AVRG	
Chloroform	*	0.49244	0.49009	0.5	AVRG	*
1,1,1-Trichloroethane		0.36338	0.40674	11.9	AVRG	
Carbon tetrachloride		50	48.8	2.4	LINR	
1,1-Dichloropropene		0.36383	0.39749	9.3	AVRG	
Benzene		1.05244	1.128	7.2	AVRG	
1,2-Dichloroethane		0.38661	0.40707	5.3	AVRG	
Trichloroethene		0.28186	0.29283	3.9	AVRG	
1,2-Dichloropropane	*	0.28681	0.30655	6.9	AVRG	*
Dibromomethane		0.17342	0.1772	2.2	AVRG	
Bromodichloromethane		0.38169	0.40339	5.7	AVRG	
cis-1,3-Dichloropropene		0.39684	0.44851	13.0	AVRG	
4-Methyl-2-pentanone		0.07738	0.08887	14.8	AVRG	
Toluene	*	0.65326	0.69687	6.7	AVRG	*
trans-1,3-Dichloropropene		50	47.7	4.6	LINR	
1,1,2-Trichloroethane		0.23812	0.24383	2.4	AVRG	
Tetrachloroethene		0.24366	0.26528	8.9	AVRG	
1,3-Dichloropropane		0.48063	0.52097	8.4	AVRG	
2-Hexanone		0.15676	0.18159	15.8	AVRG	
Dibromochloromethane		0.31038	0.33935	9.3	AVRG	
1,2-Dibromoethane(EDB)		0.28203	0.29938	6.2	AVRG	

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FORM VII

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: VMS03 CalibrationDate: 07/19/10 Time: 1322

CCV ID: SSC870828 Lab File ID: SSC32NC.D Init. Calib. Date Begin: 07/19/10 End: 07/19/10

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Chlorobenzene	#	0.8961	0.91781	2.4	AVRG	#
1,1,1,2-Tetrachloroethane		0.30486	0.32819	7.7	AVRG	
Ethylbenzene	*	0.46819	0.50195	7.2	AVRG	*
p,m-Xylene		0.56019	0.61042	9.0	AVRG	
o-Xylene		1.14389	1.247	9.0	AVRG	
Styrene		0.91747	1.024	11.6	AVRG	
Bromoform	#	0.18241	0.20087	10.1	AVRG	#
Isopropylbenzene (Cumene)		2.23169	2.47	10.7	AVRG	
Bromobenzene		1.04061	1.102	5.9	AVRG	
1,1,2,2-Tetrachloroethane	#	0.64485	0.65434	1.5	AVRG	#
1,2,3-Trichloropropane		0.18465	0.20028	8.5	AVRG	
n-Propylbenzene		2.64081	2.913	10.3	AVRG	
2-Chlorotoluene		1.75605	1.807	2.9	AVRG	
4-Chlorotoluene		2.02841	2.164	6.7	AVRG	
1,3,5-Trimethylbenzene		1.93482	2.15	11.1	AVRG	
tert-Butylbenzene		1.5216	1.718	12.9	AVRG	
1,2,4-Trimethylbenzene		2.06783	2.285	10.5	AVRG	
sec-Butylbenzene		2.12214	2.373	11.8	AVRG	
1,3-Dichlorobenzene		1.18388	1.269	7.2	AVRG	
1,4-Dichlorobenzene		1.25711	1.277	1.6	AVRG	
4-Isopropyltoluene		1.84354	2.045	10.9	AVRG	
n-Butylbenzene		1.55486	1.743	12.1	AVRG	
1,2-Dichlorobenzene		1.14038	1.203	5.5	AVRG	
1,2-Dibromo-3-chloropropane		0.09838	0.11319	15.1	AVRG	
1,2,4-Trichlorobenzene		0.6063	0.68846	13.6	AVRG	
Naphthalene		50	48.8	2.4	LINR	
1,2,3-Trichlorobenzene		50	49	2.0	LINR	
MTBE		0.56615	0.63572	12.3	AVRG	
==========						
Dibromofluoromethane(SURR)		0.29056	0.27426	5.6	AVRG	
Toluene d8(SURR)		1.10813	1.051	5.2	AVRG	
4-Bromofluorobenzene(SURR)		0.84211	0.8172	3.0	AVRG	
1,2-Dichloroethane-d4(SURR)		0.06816	0.06555	3.8	AVRG	

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FORM VII

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: VMS03 CalibrationDate: 07/27/10 Time: 0652

CCV ID: CCV873640 Lab File ID: 50CCV31N.D Init. Calib. Date Begin: 07/19/10 End: 07/19/10

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Dichlorodifluoromethane		0.36382	0.30983	14.8	AVRG	
Chloromethane	#	0.34258	0.28969	15.4	AVRG	#
Vinyl chloride	*	0.33786	0.34269	1.4	AVRG	*
Bromomethane		0.18892	0.1729	8.5	AVRG	
Chloroethane		0.22051	0.19924	9.6	AVRG	
Trichlorofluoromethane		0.50001	0.48458	3.1	AVRG	
1,1-Dichloroethene	*	0.43538	0.42473	2.4	AVRG	*
Carbon disulfide		0.75413	0.71146	5.7	AVRG	
Methylene chloride		50	50.6	1.2	LINR	
trans-1,2-Dichloroethene		0.3898	0.4241	8.8	AVRG	
1,1-Dichloroethane	#	0.48713	0.51269	5.2	AVRG	#
Acetone		100	99.1	0.9	LINR	
2,2-Dichloropropane		0.19005	0.20535	8.1	AVRG	
cis-1,2-Dichloroethene		0.2902	0.31902	9.9	AVRG	
Bromochloromethane		0.27323	0.27656	1.2	AVRG	
2-Butanone		0.09376	0.09482	1.1	AVRG	
Chloroform	*	0.49244	0.50229	2.0	AVRG	*
1,1,1-Trichloroethane		0.36338	0.40802	12.3	AVRG	
Carbon tetrachloride		50	49.3	1.4	LINR	
1,1-Dichloropropene		0.36383	0.40427	11.1	AVRG	
Benzene		1.05244	1.155	9.7	AVRG	
1,2-Dichloroethane		0.38661	0.40487	4.7	AVRG	
Trichloroethene		0.28186	0.31358	11.3	AVRG	
1,2-Dichloropropane	*	0.28681	0.31678	10.4	AVRG	*
Dibromomethane		0.17342	0.18029	4.0	AVRG	
Bromodichloromethane		0.38169	0.40824	7.0	AVRG	
cis-1,3-Dichloropropene		0.39684	0.45699	15.2	AVRG	
4-Methyl-2-pentanone		0.07738	0.08267	6.8	AVRG	
Toluene	*	0.65326	0.72285	10.7	AVRG	*
trans-1,3-Dichloropropene		50	48.2	3.6	LINR	
1,1,2-Trichloroethane		0.23812	0.24093	1.2	AVRG	
Tetrachloroethene		0.24366	0.26736	9.7	AVRG	
1,3-Dichloropropane		0.48063	0.50446	5.0	AVRG	
2-Hexanone		0.15676	0.15572	0.7	AVRG	
Dibromochloromethane		0.31038	0.33584	8.2	AVRG	
1,2-Dibromoethane(EDB)		0.28203	0.29048	3.0	AVRG	

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FORM VII

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: VMS03 CalibrationDate: 07/27/10 Time: 0652

CCV ID: CCV873640 Lab File ID: 50CCV31N.D Init. Calib. Date Begin: 07/19/10 End: 07/19/10

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Chlorobenzene	#	0.8961	0.93598	4.5	AVRG	#
1,1,1,2-Tetrachloroethane		0.30486	0.32983	8.2	AVRG	
Ethylbenzene	*	0.46819	0.51074	9.1	AVRG	*
p,m-Xylene		0.56019	0.61643	10.0	AVRG	
o-Xylene		1.14389	1.249	9.2	AVRG	
Styrene		0.91747	1.039	13.2	AVRG	
Bromoform	#	0.18241	0.20091	10.1	AVRG	#
Isopropylbenzene (Cumene)		2.23169	2.445	9.6	AVRG	
Bromobenzene		1.04061	1.072	3.0	AVRG	
1,1,2,2-Tetrachloroethane	#	0.64485	0.6235	3.3	AVRG	#
1,2,3-Trichloropropane		0.18465	0.18289	1.0	AVRG	
n-Propylbenzene		2.64081	2.87	8.7	AVRG	
2-Chlorotoluene		1.75605	1.856	5.7	AVRG	
4-Chlorotoluene		2.02841	2.142	5.6	AVRG	
1,3,5-Trimethylbenzene		1.93482	2.129	10.0	AVRG	
tert-Butylbenzene		1.5216	1.697	11.5	AVRG	
1,2,4-Trimethylbenzene		2.06783	2.24	8.3	AVRG	
sec-Butylbenzene		2.12214	2.369	11.6	AVRG	
1,3-Dichlorobenzene		1.18388	1.253	5.8	AVRG	
1,4-Dichlorobenzene		1.25711	1.273	1.3	AVRG	
4-Isopropyltoluene		1.84354	2.02	9.6	AVRG	
n-Butylbenzene		1.55486	1.769	13.8	AVRG	
1,2-Dichlorobenzene		1.14038	1.188	4.2	AVRG	
1,2-Dibromo-3-chloropropane		0.09838	0.09478	3.7	AVRG	
1,2,4-Trichlorobenzene		0.6063	0.6724	10.9	AVRG	
Naphthalene		50	44.2	11.6	LINR	
1,2,3-Trichlorobenzene		50	46.7	6.6	LINR	
MTBE		0.56615	0.59626	5.3	AVRG	
==========						
Dibromofluoromethane(SURR)		0.29056	0.29472	1.4	AVRG	
Toluene d8(SURR)		1.10813	1.124	1.4	AVRG	
4-Bromofluorobenzene(SURR)		0.84211	0.80501	4.4	AVRG	
1,2-Dichloroethane-d4(SURR)		0.06816	0.0689	1.1	AVRG	

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FORM VII

GC VOLATILE ORGANICS

METHOD 8015

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CASE NARRATIVE
GC VOLATILE ORGANICS

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

I. RECEIPT

Exceptions encountered upon receipt are addressed in the Sample Receipt Confirmation Report, included with the Chain-of-Custody documentation, or communication included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

SW846/EPA8015C
TPH Analyte Range C6-C10

IV. PREPARATION

Water samples were prepared by SW846/5030 for volatiles EPA8015C analysis. All aspects of sample preparation proceeded without exception.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

An LCS/LCSD set was analyzed. All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed. All percent recovery and relative percent difference (RPD) criteria were met.

CASE NARRATIVE
GC VOLATILE ORGANICS

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally. All target analytes were quantitated off of the FID detector.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature: _____
Name: Lisa Pelo Title: VOA Manager

SIGNED: **DATE: 07/30/2010**

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CASE NARRATIVE

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 0726LCS Analyte: Chlorobenzene Reason: Split Peak
Sample: 0726LCS Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 0726LCSD Analyte: Chlorobenzene Reason: Split Peak
Sample: 0726LCSD Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-MS-10625-20072010 Analyte: Chlorobenzene Reason: Split Peak
Sample: ST106-MS-10625-20072010 Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-MSD-10625-20072010 Analyte: Chlorobenzene Reason: Split Peak
Sample: ST106-MSD-10625-20072010 Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV873284 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: CCV873284 Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV873286 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: CCV873286 Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV873287 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: CCV873287 Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: SSC839935 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: SSC839935 Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD839927 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: STD839927 Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD839928 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: STD839928 Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD839929 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: STD839929 Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD839930 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: STD839930 Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD839931 Analyte: Chlorobenzene(SURR) Reason: Split Peak

CASE NARRATIVE

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

Calibration Sample: STD839931 Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD839932 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: STD839932 Analyte: TPH >C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

Signature:
Name: Kevin Siuda Title: Chemist

CHEMIST: **DATE:** **07/29/2010**

Signature:
Name: Lisa Pelo Title: VOA Manager

SECTION LEADER: **DATE:** **07/30/2010**

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VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Method: 8015

EPA Sample No	Lab Sample ID
ST106-FD-10625-20072010	350023701
ST106-GW-10625-20072010	350023702
ST106-GW-10626-20072010	350023705
ST106-TB-13-20072010	350023706

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Sample Data

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1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-FD-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023701 Lab File ID 23701.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/26/10 Time: 1243

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8015

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-502.2 ID: 0.53 (mm)

CONCENTRATION UNITS: MG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
TPH-C610	TPH >C6-C10	0.12		0.0085	0.04

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Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023702 Lab File ID 23702.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/26/10 Time: 1307

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8015

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-502.2 ID: 0.53 (mm)

CONCENTRATION UNITS: MG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
TPH-C610	TPH >C6-C10	0.11		0.0085	0.04

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Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10626-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023705 Lab File ID 23705.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/26/10 Time: 1332

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8015

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-502.2 ID: 0.53 (mm)

CONCENTRATION UNITS: MG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
TPH-C610	TPH >C6-C10	0.033	J	0.0085	0.04

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Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-TB-13-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023706 Lab File ID 23706.D

Sample wt/vol: 5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/26/10 Time: 1614

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8015

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-502.2 ID: 0.53 (mm)

CONCENTRATION UNITS: MG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
TPH-C610	TPH >C6-C10	0.04	U	0.0085	0.04

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Form I

QC Summary

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1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

0726BLK1

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 0726BLK1 Lab File ID: BLK1.D

Sample wt/vol: 5 Units: ML Date Received: 07/26/10

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 07/26/10 Time: 1042

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8015

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-502.2 ID: 0.53 (mm)

CONCENTRATION UNITS: MG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
TPH-C610	TPH >C6-C10	0.04	U	0.0085	0.04

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Form I

VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 0726BLK1

Lab Name: PEL, Spectrum Analytic Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Lab File ID: BLK1.D Lab Sample ID: 0726BLK1

Instrument ID: VOLBTX Date Extracted:

Matrix: WATER Date Analyzed: 07/26/10

Level:(low/med) LOW Time Analyzed: 1042

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	0726LCS	0726LCS	LCS.D	07/26/10	0954
2	0726LCSD	0726LCSD	LCSD.D	07/26/10	1018
3	ST106-FD-10625-20072010	350023701	23701.D	07/26/10	1243
4	ST106-GW-10625-20072010	350023702	23702.D	07/26/10	1307
5	ST106-GW-10626-20072010	350023705	23705.D	07/26/10	1332
6	ST106-TB-13-20072010	350023706	23706.D	07/26/10	1614
7	ST106-MS-10625-20072010	350023703	23703MS.D	07/26/10	1904
8	ST106-MSD-10625-20072010	350023704	23704MSD.D	07/26/10	1928

COMMENTS:

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Form IV

2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG NO.: 3500237

Column(1): RTX-502.2 ID: 0.53 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
0726BLK1	80.0						0
0726LCS	75.0						0
0726LCSD	75.0						0
ST106-FD-10625-20072010	95.0						0
ST106-GW-10625-20072010	100.0						0
ST106-GW-10626-20072010	100.0						0
ST106-MS-10625-20072010	95.0						0
ST106-MSD-10625-20072010	95.0						0
ST106-TB-13-20072010	100.0						0

Control Limits

S1 = Chlorobenzene 50 - 150

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out
Control limit source: (lab/method) METHOD

Form II

110810 1442

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : SA Case No.: SAS No: SDG No.: 3500237

Lab File ID (Standard): CAL3.D Date Analyzed: 5/5/2010

Instrument ID: VOLBTX Time Analyzed: 8:55

GC Column: RTX-502.2 ID: 0.53 (mm)

Matrix: (soil/water) W Heated Purge: (Y/N) No

		IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
	MID CAL STD	2007119		8.54						
	UPPER LIMIT	4014238		9.04						
	LOWER LIMIT	1003559.5		8.04						
	EPA SAMPLE NO.									
1	0726LCS	1770767		8.56						
2	0726LCSD	1957335		8.56						
3	0726BLK1	1872654		8.56						
4	ST106-FD-10625-20072010	1610262		8.57						
5	ST106-GW-10625-20072010	1643192		8.57						
6	ST106-GW-10626-20072010	1674712		8.57						
7	ST106-TB-13-20072010	1697198		8.57						
8	ST106-MS-10625-20072010	1602508		8.56						
9	ST106-MSD-10625-20072010	1555932		8.56						

IS1 = Fluorobenzene

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = -50% of internal standard area

Column used to flag internal standard area values with an asterisk

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FORM VIII

VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

GC Column: RTX-502.2 ID: 0.53 (mm) Init. Calib. Date: 05/05/10

Instrument ID: VOLBTX

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.65 S2 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	STD839929	CAL3	CAL3.D	05/05/10	0855	10.65	
2	STD839932	CAL6	CAL6.D	05/05/10	1041	10.66	
3	STD839931	CAL5	CAL5.D	05/05/10	1106	10.66	
4	STD839930	CAL4	CAL4.D	05/05/10	1130	10.67	
5	STD839928	CAL2	CAL2.D	05/05/10	1154	10.67	
6	STD839927	CAL1R	CAL1R.D	05/05/10	1243	10.68	
7	SSC839935	SSC2	SSC2.D	05/05/10	1429	10.67	
8	CCV873284	CCV1	CCV1.D	07/26/10	0858	10.66	
9	0726LCS	0726LCS	LCS.D	07/26/10	0954	10.67	
10	0726LCSD	0726LCSD	LCSD.D	07/26/10	1018	10.67	
11	0726BLK1	0726BLK1	BLK1.D	07/26/10	1042	10.67	
12	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1129		
13	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1154		
14	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1218		
15	ST106-FD-10625-20072010	350023701	23701.D	07/26/10	1243	10.68	
16	ST106-GW-10625-20072010	350023702	23702.D	07/26/10	1307	10.69	
17	ST106-GW-10626-20072010	350023705	23705.D	07/26/10	1332	10.68	
18	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1356		
19	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1421		
20	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1500		
21	CCV873286	CCV2	CCV2.D	07/26/10	1525	10.69	
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1549		
23	ST106-TB-13-20072010	350023706	23706.D	07/26/10	1614	10.68	
24	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1638		
25	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1703		
26	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1727		

QC LIMITS

S1 = Chlorobenzene (+/- 0.11 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

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110810 1442 FORM VIII

VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

GC Column: RTX-502.2 ID: 0.53 (mm) Init. Calib. Date: 05/05/10

Instrument ID: VOLBTX

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.65 S2 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
27	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1752		
28	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1815		
29	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1840		
30	ST106-MS-10625-20072010	350023703	23703MS.D	07/26/10	1904	10.67	
31	ST106-MSD-10625-20072010	350023704	23704MSD.D	07/26/10	1928	10.67	
32	CCV873287	CCV3	CCV3.D	07/26/10	1953	10.66	
33	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	2017		

QC LIMITS
S1 = Chlorobenzene (+/- 0.11 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

0726LCS

Lab Name: PEL, Spectrum Analytical, In Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED MG/L	LCS CONCENTRATION MG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
TPH >C6-C10	0.25	0.23	92.0		30.0	70 - 130

Spike Recovery: 0 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

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Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

0726LCSD

Lab Name: PEL, Spectrum Analytical, In Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED MG/L	LCS CONCENTRATION MG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
TPH >C6-C10	0.25	0.22	88.0	4.4	30.0	70 - 130

Spike Recovery: 0 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

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Form III

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106 ST106-MS-10625-20072010

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED MG/L	SAMPLE CONCENTRATION MG/L	MS CONCENTRATION MG/L	MS % REC #	QC LIMITS REC.
TPH >C6-C10	0.25	0.11	0.31	80.0	70 - 130

Spike Recovery: 0 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

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3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST10 ST106-MSD-10625-20072010

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED MG/L	MSD CONCENTRATION MG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
TPH >C6-C10	0.25	0.33	88.0	6.2	30	70 - 130

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110810 1442

Standards Data

110810 1442

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: VOLBTX Calibration Date Begin: 05/05/10 End: 05/05/10

GC Column: RTX-502.2 ID: 0.53 (mm) Calibration Time Begin: 855 End: 1243

LAB FILE ID: RRF0.04 =CAL1R.D RRF0.2 =CAL2.D
RRF0.5 =CAL3.D RRF1 =CAL4.D RRF1.5 =CAL5.D

COMPOUND	RRF0.04	RRF0.2	RRF0.5	RRF1	RRF1.5
TPH >C6-C10	0.77881	0.73803	0.54781	0.61612	0.73168
==========					
Chlorobenzene(SURR)	1.036	0.87546	0.75197	0.87558	0.93567

110810 1442

FORM VI

6

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: VOLBTX Calibration Date Begin: 05/05/10 End: 05/05/10

GC Column: RTX-502.2 ID: 0.53 (mm) Calibration Time Begin: 855 End: 1243

LAB FILE ID: RRF2 =CAL6.D

COMPOUND	RRF2				
TPH >C6-C10	0.76119				
==========					
Chlorobenzene(SURR)	0.88243				

110810 1442

FORM VI

6

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: VOLBTX Calibration Date Begin: 05/05/10 End: 05/05/10

GC Column: RTX-502.2 ID: 0.53 (mm) Calibration Time Begin: 855 End: 1243

COMPOUND	CURVE	COEFFICIENTS AO	COEFFICIENTS A1	%RSD OR R^2
TPH >C6-C10	AVRG		0.695606386	13.3
==========				
Chlorobenzene(SURR)	AVRG		0.892841247	10.4

110810 1442

FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: VOLBTX Calibration Date Begin: 05/05/10 End: 05/05/10

GC Column: RTX-502.2 ID: 0.53 (mm) Calibration Time Begin: 855 End: 1243

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT1: CAL1R.D RT2: CAL2.D
RT3: CAL3.D RT4: CAL4.D RT5: CAL5.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	TO
TPH >C6-C10	9.121	9.121	9.121	9.121	9.121			
==========								
Chlorobenzene(SURR)	10.677	10.673	10.653	10.667	10.660			

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: VOLBTX Calibration Date Begin: 05/05/10 End: 05/05/10

GC Column: RTX-502.2 ID: 0.53 (mm) Calibration Time Begin: 855 End: 1243

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT6: CAL6.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	TO
TPH >C6-C10	9.121					9.121	6.263	11.978
==========								
Chlorobenzene(SURR)	10.660					10.653	10.547	10.760

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: VOLBTX CalibrationDate: 05/05/10 Time: 1429

CCV ID: SSC839935 Lab File ID: SSC2.D Init. Calib. Date Begin: 05/05/10 End: 05/05/10

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) NO

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH >C6-C10	0.6956	0.60048	13.7	AVRG
==========				
Chlorobenzene(SURR)	0.89284	0.75603	15.3	AVRG

110810 1442

FORM VII

7

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: VOLBTX CalibrationDate: 07/26/10 Time: 0858

CCV ID: CCV873284 Lab File ID: CCV1.D Init. Calib. Date Begin: 05/05/10 End: 05/05/10

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) NO

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH >C6-C10	0.6956	0.59573	14.4	AVRG
==========				
Chlorobenzene(SURR)	0.89284	0.77077	13.7	AVRG

110810 1442

FORM VII

7

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: VOLBTX CalibrationDate: 07/26/10 Time: 1525

CCV ID: CCV873286 Lab File ID: CCV2.D Init. Calib. Date Begin: 05/05/10 End: 05/05/10

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) NO

COMPOUND	Expected	Found	%D / %Drift	Curve Type	
TPH >C6-C10	0.6956	0.73094	5.1	AVRG	
==========					
Chlorobenzene(SURR)	0.89284	0.69028	22.7	AVRG	<-

Average Used: 13.9

110810 1442

FORM VII

7

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: VOLBTX CalibrationDate: 07/26/10 Time: 1953

CCV ID: CCV873287 Lab File ID: CCV3.D Init. Calib. Date Begin: 05/05/10 End: 05/05/10

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) NO

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH >C6-C10	0.6956	0.76475	9.9	AVRG
==========				
Chlorobenzene(SURR)	0.89284	0.89554	0.3	AVRG

110810 1442

FORM VII

GC/ECD EDB ORGANICS

METHOD 8011

110810 1442

CASE NARRATIVE
EDB GC SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

I. RECEIPT

Exceptions encountered upon receipt are addressed in the Sample Receipt Confirmation Report, included with the Chain-of-Custody documentation, or communication included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

SW846/EPA 8011.

IV. PREPARATION

Water samples were prepared by SW846/EPA 8011 for semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:
LCS 42225LCSD was analyzed with the water samples extracted on 07/26/10. The following analyte(s) were recovered above criteria: 1,2-Dibromoethane(EDB) at 133 % with criteria of (70-130).

Since the analyte was slightly above control limits on one column and within control limits on the other in the LCSD and since the LCS was within control limits, no further action was taken.

Samples coded accordingly.

CASE NARRATIVE
EDB GC SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

E. Internal Standards:

This method does not require the use of internal standards.

F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature: Lara Keene
Name: Lara Keene Title: SVOA Manager

SIGNED: **DATE: 08/06/2010**

W:\Narratives\SemiVols\3500\3500237_8011.doc

CASE NARRATIVE

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 42224LCS Analyte: 1,1,2,2-Tetrachloroethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 42224LCS Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 42225LCSD Analyte: 1,1,2,2-Tetrachloroethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 42225LCSD Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 42226MB Analyte: 1,1,2,2-Tetrachloroethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: ST106-FD-10625-20072010 Analyte: 1,1,2,2-Tetrachloroethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: ST106-FD-10625-20072010 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: ST106-GW-10625-20072010 Analyte: 1,1,2,2-Tetrachloroethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: ST106-GW-10625-20072010 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: ST106-MS-10625-20072010 Analyte: 1,1,2,2-Tetrachloroethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: ST106-MS-10625-20072010 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: ST106-MSD-10625-20072010 Analyte: 1,1,2,2-Tetrachloroethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: ST106-MSD-10625-20072010 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV873867 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV873868 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV873869 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV873870 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV875701 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV875777 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

Calibration Sample: CCV875778 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV875779 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC873875 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC873876 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC875704 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC875784 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873857 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873858 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873858 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873859 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873860 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873860 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873861 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873861 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873862 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873863 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873863 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873864 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873871 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873872 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873873 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

Calibration Sample: STD873874 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD873874 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875696 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875697 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875698 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875699 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875702 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875703 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875773 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875773 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875774 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875774 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875775 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875776 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875782 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875783 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD875783 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

CASE NARRATIVE

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

Signature:
Name: Steve Pruskin **Title:** Chemist

CHEMIST: **DATE:**
08/05/2010

Signature:
Name: Lara Keene **Title:** SVOA Manager

SECTION LEADER:
DATE: 08/06/2010

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EDB ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Method: 8011

EPA Sample No	Lab Sample ID
ST106-FD-10625-20072010	350023701
ST106-GW-10625-20072010	350023702
ST106-GW-10626-20072010	350023705

110810 1442

Sample Data

110810 1442

1

EDB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-FD-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023701 Lab File ID 237-1DUP.D

Sample wt/vol: 35.5 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 2 Date Extracted: 07/26/10

Level:(low/med) LOW Date Analyzed: 08/03/10 Time: 2110

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8011

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
106-93-4	1,2-Dibromoethane(EDB)	0.21		0.00808	0.0197

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

110810 1442

Form I

1

EDB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023702 Lab File ID 237-2.D

Sample wt/vol: 35.8 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 2 Date Extracted: 07/26/10

Level:(low/med) LOW Date Analyzed: 08/03/10 Time: 2134

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8011

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
106-93-4	1,2-Dibromoethane(EDB)	0.2		0.00802	0.0196

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

110810 1442

Form I

1

EDB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10626-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023705 Lab File ID 237-5.D

Sample wt/vol: 35.6 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 2 Date Extracted: 07/26/10

Level:(low/med) LOW Date Analyzed: 08/03/10 Time: 2247

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8011

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
106-93-4	1,2-Dibromoethane(EDB)	0.0197	U	0.00806	0.0197

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

110810 1442

Form I

QC Summary

110810 1442

1

EDB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

42226MB

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 42226MB Lab File ID: 248BLK.D

Sample wt/vol: 35.1 Units: ML Date Received: 07/26/10

Concentrated Extract Volume: 2 Date Extracted: 07/26/10

Level:(low/med) LOW Date Analyzed: 07/29/10 Time: 0010

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8011

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
106-93-4	1,2-Dibromoethane(EDB)	0.0199	U	0.00818	0.0199

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

110810 1442

Form I

EDB ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 42226MB

Lab Name: PEL, Spectrum Analytic Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Lab File ID: 248BLK.D Lab Sample ID: 42226MB

Instrument ID: SECD04 Date Extracted: 07/26/10

Matrix: WATER Date Analyzed: 07/29/10

Level:(low/med) LOW Time Analyzed: 0010

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	42224LCS	42224LCS	248LCS.D	07/29/10	0034
2	42225LCSD	42225LCSD	248LCSD.D	07/29/10	0059
3	ST106-FD-10625-20072010	350023701	237-1DUP.D	08/03/10	2110
4	ST106-GW-10625-20072010	350023702	237-2.D	08/03/10	2134
5	ST106-MS-10625-20072010	350023703	237-3MS.D	08/03/10	2158
6	ST106-MSD-10625-20072010	350023704	237-4SD.D	08/03/10	2222
7	ST106-GW-10626-20072010	350023705	237-5.D	08/03/10	2247

COMMENTS:

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Form IV

2A

WATER EDB ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG NO.: 3500237

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
42224LCS	129.0						0
42225LCSD	108.0						0
42226MB	117.0						0
ST106-FD-10625-20072010	112.0						0
ST106-GW-10625-20072010	117.0						0
ST106-GW-10626-20072010	117.0						0
ST106-MS-10625-20072010	125.0						0
ST106-MSD-10625-20072010	117.0						0

Control Limits

S1 = 1,1,2,2-Tetrachloroethane 70 - 130

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

Form II

110810 1442

EDB ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

GC Column: STX-CLP1 ID: 0.32 (mm) Init. Calib. Date: 07/28/10

Instrument ID: SECD04

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.1 S2 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	STD873873	42478CAL06	EDBCAL6.D	07/28/10	1716	8.09	
2	STD873871	42477CAL05	EDBCAL5.D	07/28/10	1741	8.1	
3	STD873863	42476CAL04	EDBCAL4.D	07/28/10	1805	8.1	
4	STD873861	42475CAL03	EDBCAL3.D	07/28/10	1829	8.1	
5	STD873859	42474CAL02	EDBCAL2.D	07/28/10	1853	8.1	
6	STD873857	42473CAL01	EDBCAL1.D	07/28/10	1917	8.1	
7	SSC873875	42479CAL07	EDBSEC.D	07/28/10	1942	8.1	
8	CCV873867	42476CAL04	EDBCCV2.D	07/28/10	2345	8.1	
9	42226MB	42226MB	248BLK.D	07/29/10	0010	8.1	
10	42224LCS	42224LCS	248LCS.D	07/29/10	0034	8.1	
11	42225LCSD	42225LCSD	248LCSD.D	07/29/10	0059	8.1	
12	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/29/10	0123		
13	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/29/10	0147		
14	CCV873869	42476CAL04	EDBCCV3.D	07/29/10	0212	8.1	

QC LIMITS
S1 = 1,1,2,2-Tetrachloroethane (+/- 0.2 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

Page 1 of 2

110810 1442 FORM VIII

EDB ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

GC Column: STX-CLP1 ID: 0.32 (mm) Init. Calib. Date: 08/03/10

Instrument ID: SECD04

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.09 S2 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	STD875703	43131CAL06	EDBCAL6.D	08/03/10	1339	8.09	
2	STD875702	43130CAL05	EDBCAL5.D	08/03/10	1405	8.09	
3	STD875699	43129CAL04	EDBCAL4.D	08/03/10	1430	8.09	
4	STD875698	43128CAL03	EDBCAL3.D	08/03/10	1456	8.1	
5	STD875697	43127CAL02	EDBCAL2.D	08/03/10	1522	8.09	
6	STD875696	43126CAL01	EDBCAL1.D	08/03/10	1548	8.09	
7	SSC875704	43132CAL07	EDBSEC.D	08/03/10	1613	8.09	
8	CCV875701	43129CAL04	EDBCCV2.D	08/03/10	2021	8.09	
9	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/03/10	2045		
10	ST106-FD-10625-20072010	350023701	237-1DUP.D	08/03/10	2110	8.09	
11	ST106-GW-10625-20072010	350023702	237-2.D	08/03/10	2134	8.09	
12	ST106-MS-10625-20072010	350023703	237-3MS.D	08/03/10	2158	8.09	
13	ST106-MSD-10625-20072010	350023704	237-4SD.D	08/03/10	2222	8.09	
14	ST106-GW-10626-20072010	350023705	237-5.D	08/03/10	2247	8.09	
15	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/03/10	2312		
16	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/03/10	2336		
17	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0000		
18	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0024		
19	CCV875778	43129CAL04	EDBCCV3.D	08/04/10	0100	8.09	
20	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0124		
21	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0148		
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0212		
23	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0236		
24	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0311		

QC LIMITS

S1 = 1,1,2,2-Tetrachloroethane (+/- 0.2 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

110810 1442 FORM VIII

EDB ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

GC Column: STX-CLP2 ID: 0.32 (mm) Init. Calib. Date: 07/28/10

Instrument ID: SECD04

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.17 S2 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	STD873874	42478CAL06	EDBCAL6.D	07/28/10	1716	8.17	
2	STD873872	42477CAL05	EDBCAL5.D	07/28/10	1741	8.17	
3	STD873864	42476CAL04	EDBCAL4.D	07/28/10	1805	8.17	
4	STD873862	42475CAL03	EDBCAL3.D	07/28/10	1829	8.17	
5	STD873860	42474CAL02	EDBCAL2.D	07/28/10	1853	8.18	
6	STD873858	42473CAL01	EDBCAL1.D	07/28/10	1917	8.18	
7	SSC873876	42479CAL07	EDBSEC.D	07/28/10	1942	8.17	
8	CCV873868	42476CAL04	EDBCCV2.D	07/28/10	2345	8.17	
9	42226MB	42226MB	248BLK.D	07/29/10	0010	8.17	
10	42224LCS	42224LCS	248LCS.D	07/29/10	0034	8.17	
11	42225LCSD	42225LCSD	248LCSD.D	07/29/10	0059	8.17	
12	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/29/10	0123		
13	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/29/10	0147		
14	CCV873870	42476CAL04	EDBCCV3.D	07/29/10	0212	8.17	

QC LIMITS

S1 = 1,1,2,2-Tetrachloroethane (+/- 0.2 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

Page 1 of 2

110810 1442 FORM VIII

EDB ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

GC Column: STX-CLP2 ID: 0.32 (mm) Init. Calib. Date: 08/03/10

Instrument ID: SECD04

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.16 S2 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	STD875783	43131CAL06	EDBCAL6.D	08/03/10	1339	8.16	
2	STD875782	43130CAL05	EDBCAL5.D	08/03/10	1405	8.16	
3	STD875776	43129CAL04	EDBCAL4.D	08/03/10	1430	8.16	
4	STD875775	43128CAL03	EDBCAL3.D	08/03/10	1456	8.17	
5	STD875774	43127CAL02	EDBCAL2.D	08/03/10	1522	8.17	
6	STD875773	43126CAL01	EDBCAL1.D	08/03/10	1548	8.17	
7	SSC875784	43132CAL07	EDBSEC.D	08/03/10	1613	8.16	
8	CCV875777	43129CAL04	EDBCCV2.D	08/03/10	2021	8.16	
9	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/03/10	2045		
10	ST106-FD-10625-2007201	350023701	237-1DUP.D	08/03/10	2110	8.17	
11	ST106-GW-10625-2007201	350023702	237-2.D	08/03/10	2134	8.16	
12	ST106-MS-10625-2007201	350023703	237-3MS.D	08/03/10	2158	8.16	
13	ST106-MSD-10625-200720	350023704	237-4SD.D	08/03/10	2222	8.16	
14	ST106-GW-10626-2007201	350023705	237-5.D	08/03/10	2247	8.16	
15	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/03/10	2312		
16	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/03/10	2336		
17	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0000		
18	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0024		
19	CCV875779	43129CAL04	EDBCCV3.D	08/04/10	0100	8.17	
20	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0124		
21	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0148		
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0212		
23	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0236		
24	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/04/10	0311		

QC LIMITS

S1 = 1,1,2,2-Tetrachloroethane (+/- 0.2 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

110810 1442 FORM VIII

10

EDB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

ST106-FD-10625-20072010

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Lab Sample ID: 350023701 Date(s) Analyzed: 08/03/10 08/03/10

Instrumet ID (1): SECD04 Instrumet ID (2): SECD04

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

COMPOUND	COL	RT	EXP RT	DIFF	AREA	AMOUNT	CONC	%D
1,2-Dibromoethane(EDB)	1	5.968	5.960	0.008	3070171	0.20	0.2	
*	2	5.928	5.925	0.003	3175904	0.21	0.21	4.88
1,1,2,2-Tetrachloroethane	1	8.093	8.088	0.004	4428715	0.26	0.26	
*	2	8.166	8.166	0.000	5264949	0.27	0.27	3.77

* Column used for quantitation

110810 1442

Form X

10

EDB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

ST106-GW-10625-20072010

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Lab Sample ID: 350023702 Date(s) Analyzed: 08/03/10 08/03/10

Instrumet ID (1): SECD04 Instrumet ID (2): SECD04

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

COMPOUND		COL	RT	EXP RT	DIFF	AREA	AMOUNT	CONC	%D
1,2-Dibromoethane(EDB)		1	5.964	5.960	0.004	2718620	0.18	0.18	
	*	2	5.925	5.925	0.000	2976416	0.20	0.2	10.53
1,1,2,2-Tetrachloroethane		1	8.089	8.088	0.001	4403088	0.25	0.25	
	*	2	8.164	8.166	0.002	5611221	0.28	0.28	11.32

* Column used for quantitation

110810 1442

Form X

10

EDB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

ST106-MS-10625-20072010

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Lab Sample ID: 350023703 Date(s) Analyzed: 08/03/10 08/03/10

Instrumet ID (1): SECD04 Instrumet ID (2): SECD04

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

COMPOUND		COL	RT	EXP RT	DIFF	AREA	AMOUNT	CONC	%D
1,2-Dibromoethane(EDB)	*	1	5.964	5.960	0.004	5290536	0.35	0.35	
		2	5.924	5.925	0.001	5235281	0.34	0.34	2.90
1,1,2,2-Tetrachloroethane		1	8.089	8.088	0.001	4914668	0.28	0.28	
	*	2	8.163	8.166	0.003	5923491	0.30	0.3	6.90

* Column used for quantitation

110810 1442

Form X

10

EDB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

ST106-MSD-10625-20072010

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Lab Sample ID: 350023704 Date(s) Analyzed: 08/03/10 08/03/10

Instrumet ID (1): SECD04 Instrumet ID (2): SECD04

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

COMPOUND		COL	RT	EXP RT	DIFF	AREA	AMOUNT	CONC	%D
1,2-Dibromoethane(EDB)		1	5.966	5.960	0.006	5138307	0.34	0.34	
	*	2	5.927	5.925	0.002	5288245	0.35	0.35	2.90
1,1,2,2-Tetrachloroethane	*	1	8.090	8.088	0.002	4874816	0.28	0.28	
		2	8.165	8.166	0.001	5594673	0.28	0.28	0.00

* Column used for quantitation

110810 1442

Form X

10

EDB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

ST106-GW-10626-20072010

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Lab Sample ID: 350023705 Date(s) Analyzed: 08/03/10 08/03/10

Instrumet ID (1): SECD04 Instrumet ID (2): SECD04

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

COMPOUND		COL	RT	EXP RT	DIFF	AREA	AMOUNT	CONC	%D
1,1,2,2-Tetrachloroethane	*	1	8.090	8.088	0.002	4879654	0.28	0.28	
		2	8.163	8.166	0.003	5501059	0.28	0.28	0.00

* Column used for quantitation

110810 1442

Form X

10

EDB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

42224LCS

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Lab Sample ID: 42224LCS Date(s) Analyzed: 07/29/10 07/29/10

Instrumet ID (1): SECD04 Instrumet ID (2): SECD04

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

COMPOUND		COL	RT	EXP RT	DIFF	AREA	AMOUNT	CONC	%D
1,2-Dibromoethane(EDB)	*	1	5.974	5.974	0.000	2148001	0.15	0.15	
		2	5.935	5.936	0.001	2069449	0.15	0.15	0.00
1,1,2,2-Tetrachloroethane		1	8.099	8.098	0.001	4866964	0.28	0.28	
	*	2	8.173	8.174	0.001	5844914	0.31	0.31	10.17

* Column used for quantitation

110810 1442

Form X

10

EDB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

42225LCSD

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Lab Sample ID: 42225LCSD Date(s) Analyzed: 07/29/10 07/29/10

Instrumet ID (1): SECD04 Instrumet ID (2): SECD04

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

COMPOUND		COL	RT	EXP RT	DIFF	AREA	AMOUNT	CONC	%D
1,2-Dibromoethane(EDB)		1	5.974	5.974	0.000	2134396	0.15	0.15	
	*	2	5.935	5.936	0.001	2161433	0.16	0.16	6.45
1,1,2,2-Tetrachloroethane	*	1	8.099	8.098	0.001	4391195	0.26	0.26	
		2	8.174	8.174	0.000	4954039	0.26	0.26	0.00

* Column used for quantitation

110810 1442

Form X

10

EDB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

42226MB

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Lab Sample ID: 42226MB Date(s) Analyzed: 07/29/10 07/29/10

Instrumet ID (1): SECD04 Instrumet ID (2): SECD04

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

COMPOUND	COL	RT	EXP RT	DIFF	AREA	AMOUNT	CONC	%D
1,1,2,2-Tetrachloroethane	1	8.097	8.098	0.001	4430156	0.26	0.26	
*	2	8.172	8.174	0.002	5285846	0.28	0.28	7.41

* Column used for quantitation

110810 1442

Form X

EDB ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

42224LCS

Lab Name: PEL, Spectrum Analytical, In Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane(EDB)	0.12	0.15	125.0		30.0	70 - 130

Spike Recovery: 0 out of 1 outside limits

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

110810 1442

Form III

EDB ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

42225LCSD

Lab Name: PEL, Spectrum Analytical, In Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane(EDB)	0.12	0.16	133.0 *	6.5	30.0	70 - 130

Spike Recovery: 1 out of 1 outside limits

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

110810 1442

Form III

3

EDB ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106 ST106-MS-10625-20072010

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
1,2-Dibromoethane(EDB)	0.12	0.20	0.35	125.0	70 - 130

Spike Recovery: 0 out of 1 outside limits

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110810 1442

3

EDB ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST10 ST106-MSD-10625-20072010

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane(EDB)	0.12	0.35	125.0	0.0	30	70 - 130

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 1 outside limits

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110810 1442

Standards Data

110810 1442

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1716 End: 1917

LAB FILE ID: RRF0.02 =EDBCAL1.D RRF0.04 =EDBCAL2.D
RRF0.08 =EDBCAL3.D RRF0.12 =EDBCAL4.D RRF0.24 =EDBCAL5.D

COMPOUND	RRF0.02	RRF0.04	RRF0.08	RRF0.12	RRF0.24
1,2-Dibromoethane(EDB)	7510100	11082975	14912512.5	14444391.67	14830604.17
==========					
1,1,2,2-Tetrachloroethane(SURR)	14705050	14244400	16191212.5	16617908.33	17336787.5

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1716 End: 1917

LAB FILE ID: RRF0.48 =EDBCAL6.D

COMPOUND	RRF0.48				
1,2-Dibromoethane(EDB)	13780731.25				
==========					
1,1,2,2-Tetrachloroethane(SURR)	17250785.42				

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1716 End: 1917

COMPOUND	CURVE	COEFFICIENTS AO	A1	%RSD OR R^2
1,2-Dibromoethane(EDB)	LINR	0.001300392	7.09947E-08	0.99701
==========				
1,1,2,2-Tetrachloroethane(SURR)	LINR	0.005102958	5.72106E-08	0.99986

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1339 End: 1548

LAB FILE ID: RRF0.02 =EDBCAL1.D RRF0.04 =EDBCAL2.D
RRF0.08 =EDBCAL3.D RRF0.12 =EDBCAL4.D RRF0.24 =EDBCAL5.D

COMPOUND	RRF0.02	RRF0.04	RRF0.08	RRF0.12	RRF0.24
1,2-Dibromoethane(EDB)	14104400	16408000	16456712.5	14546908.33	15832404.17
==========					
1,1,2,2-Tetrachloroethane(SURR)	8595100	16493025	18715962.5	16178625	18381954.17

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1339 End: 1548

LAB FILE ID: RRF0.48 =EDBCAL6.D

COMPOUND	RRF0.48				
1,2-Dibromoethane(EDB)	13555460.42				
==========					
1,1,2,2-Tetrachloroethane(SURR)	17105233.33				

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1339 End: 1548

COMPOUND	CURVE	COEFFICIENTS AO	A1	%RSD OR R^2
1,2-Dibromoethane(EDB)	AVRG		15150647.57	8.2
==========				
1,1,2,2-Tetrachloroethane(SURR)	LINR	0.00204315	5.72882E-08	0.99703

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1716 End: 1917

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT1: EDBCAL1.D RT2: EDBCAL2.D
RT3: EDBCAL3.D RT4: EDBCAL4.D RT5: EDBCAL5.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	TO
1,2-Dibromoethane(EDB)	5.973	5.973	5.973	5.969	5.970			
==========								
1,1,2,2-Tetrachloroethane(SURR)	8.097	8.098	8.099	8.096	8.096			

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1716 End: 1917

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT6: EDBCAL6.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	TO
1,2-Dibromoethane(EDB)	5.968					5.969	5.939	5.999
==========								
1,1,2,2-Tetrachloroethane(SURR)	8.095					8.096	7.896	8.296

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1339 End: 1548

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT1: EDBCAL1.D RT2: EDBCAL2.D
RT3: EDBCAL3.D RT4: EDBCAL4.D RT5: EDBCAL5.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	TO
1,2-Dibromoethane(EDB)	5.964	5.963	5.985	5.961	5.960			
==========								
1,1,2,2-Tetrachloroethane(SURR)	8.089	8.090	8.102	8.089	8.088			

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1339 End: 1548

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT6: EDBCAL6.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	TO
1,2-Dibromoethane(EDB)	5.970					5.961	5.931	5.991
==========								
1,1,2,2-Tetrachloroethane(SURR)	8.092					8.089	7.889	8.289

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1716 End: 1917

LAB FILE ID: RRF0.02 =EDBCAL1.D RRF0.04 =EDBCAL2.D
RRF0.08 =EDBCAL3.D RRF0.12 =EDBCAL4.D RRF0.24 =EDBCAL5.D

COMPOUND	RRF0.02	RRF0.04	RRF0.08	RRF0.12	RRF0.24
1,2-Dibromoethane(EDB)	9247100	12854425	15221962.5	14960758.33	14926404.17
==========					
1,1,2,2-Tetrachloroethane(SURR)	14288500	18573875	19506812.5	19844950	19728179.17

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1716 End: 1917

LAB FILE ID: RRF0.48 =EDBCAL6.D

COMPOUND	RRF0.48				
1,2-Dibromoethane(EDB)	13371012.5				
==========					
1,1,2,2-Tetrachloroethane(SURR)	18701983.33				

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FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1716 End: 1917

COMPOUND	CURVE	COEFFICIENTS AO	A1	%RSD OR R^2
1,2-Dibromoethane(EDB)	AVRG		13430277.08	16.9
==========				
1,1,2,2-Tetrachloroethane(SURR)	LINR	-0.00172727	5.30106E-08	0.99874

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1339 End: 1548

LAB FILE ID: RRF0.02 =EDBCAL1.D RRF0.04 =EDBCAL2.D
RRF0.08 =EDBCAL3.D RRF0.12 =EDBCAL4.D RRF0.24 =EDBCAL5.D

COMPOUND	RRF0.02	RRF0.04	RRF0.08	RRF0.12	RRF0.24
1,2-Dibromoethane(EDB)	12470350	15756450	16300600	15534225	16381445.83
==========					
1,1,2,2-Tetrachloroethane(SURR)	12445850	21909250	21214350	18937116.67	19754658.33

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1339 End: 1548

LAB FILE ID: RRF0.48 =EDBCAL6.D

COMPOUND	RRF0.48				
1,2-Dibromoethane(EDB)	14937991.67				
==========					
1,1,2,2-Tetrachloroethane(SURR)	19652070.83				

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FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1339 End: 1548

COMPOUND	CURVE	COEFFICIENTS AO	A1	%RSD OR R^2
1,2-Dibromoethane(EDB)	AVRG		15230177.1	9.5
==========				
1,1,2,2-Tetrachloroethane(SURR)	LINR	0.0003211	5.07589E-08	0.9991

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1716 End: 1917

Min RRF for SPCC(#) = Max %RSD for CCC(*) = %

LAB FILE ID: RT1: EDBCAL1.D RT2: EDBCAL2.D
RT3: EDBCAL3.D RT4: EDBCAL4.D RT5: EDBCAL5.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	TO
1,2-Dibromoethane(EDB)	5.933	5.935	5.935	5.930	5.932			
==========								
1,1,2,2-Tetrachloroethane(SURR)	8.180	8.182	8.175	8.172	8.172			

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1716 End: 1917

Min RRF for SPCC(#) = Max %RSD for CCC(*) = %

LAB FILE ID: RT6: EDBCAL6.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	TO
1,2-Dibromoethane(EDB)	5.932					5.930	5.900	5.960
==========								
1,1,2,2-Tetrachloroethane(SURR)	8.172					8.172	7.972	8.372

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1339 End: 1548

Min RRF for SPCC(#) = Max %RSD for CCC(*) = %

LAB FILE ID: RT1: EDBCAL1.D RT2: EDBCAL2.D
RT3: EDBCAL3.D RT4: EDBCAL4.D RT5: EDBCAL5.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	TO
1,2-Dibromoethane(EDB)	5.923	5.923	5.945	5.920	5.920			
==========								
1,1,2,2-Tetrachloroethane(SURR)	8.167	8.172	8.173	8.162	8.161			

110810 1442

FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SECD04 Calibration Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1339 End: 1548

Min RRF for SPCC(#) = Max %RSD for CCC(*) = %

LAB FILE ID: RT6: EDBCAL6.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	TO
1,2-Dibromoethane(EDB)	5.929					5.920	5.890	5.950
==========								
1,1,2,2-Tetrachloroethane(SURR)	8.165					8.162	7.962	8.362

110810 1442

FORM VI

7SSC

EDB ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SECD04 CalibrationDate: 07/28/10 Time: 1942

CCV ID: SSC873875 Lab File ID: EDBSEC.D Init. Calib. Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP1 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	0.12	0.13	8.3	LINR
==========				
1,1,2,2-Tetrachloroethane(SURR)	0.12	0.127	5.8	LINR

110810 1442

FORM VII

7SSC

EDB ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SECD04 CalibrationDate: 07/28/10 Time: 1942

CCV ID: SSC873876 Lab File ID: EDBSEC.D Init. Calib. Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP2 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	13430277	15388783.333	14.6	AVRG
==========				
1,1,2,2-Tetrachloroethane(SURR)	0.12	0.128	6.7	LINR

110810 1442

FORM VII

7

EDB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SECD04 CalibrationDate: 07/28/10 Time: 2345

CCV ID: CCV873867 Lab File ID: EDBCCV2.D Init. Calib. Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP1 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	0.12	0.126	5.0	LINR
==========				
1,1,2,2-Tetrachloroethane(SURR)	0.12	0.138	15.0	LINR

110810 1442

FORM VII

7

EDB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SECD04 CalibrationDate: 07/28/10 Time: 2345

CCV ID: CCV873868 Lab File ID: EDBCCV2.D Init. Calib. Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP2 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	13430277	14258383.333	6.2	AVRG
==========				
1,1,2,2-Tetrachloroethane(SURR)	0.12	0.127	5.8	LINR

110810 1442

FORM VII

7

EDB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SECD04 CalibrationDate: 07/29/10 Time: 0212

CCV ID: CCV873869 Lab File ID: EDBCCV3.D Init. Calib. Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP1 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	0.12	0.13	8.3	LINR
==========				
1,1,2,2-Tetrachloroethane(SURR)	0.12	0.135	12.5	LINR

110810 1442

FORM VII

7

EDB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SECD04 CalibrationDate: 07/29/10 Time: 0212

CCV ID: CCV873870 Lab File ID: EDBCCV3.D Init. Calib. Date Begin: 07/28/10 End: 07/28/10

GC Column: STX-CLP2 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	13430277	14839091.667	10.5	AVRG
==========				
1,1,2,2-Tetrachloroethane(SURR)	0.12	0.132	10.0	LINR

110810 1442

FORM VII

7SSC

EDB ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SECD04 CalibrationDate: 08/03/10 Time: 1613

CCV ID: SSC875704 Lab File ID: EDBSEC.D Init. Calib. Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP1 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	15150648	17184208.333	13.4	AVRG
==========				
1,1,2,2-Tetrachloroethane(SURR)	0.12	0.126	5.0	LINR

110810 1442

FORM VII

7SSC

EDB ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SECD04 CalibrationDate: 08/03/10 Time: 1613

CCV ID: SSC875784 Lab File ID: EDBSEC.D Init. Calib. Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP2 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	15230177	17066191.667	12.1	AVRG
==========				
1,1,2,2-Tetrachloroethane(SURR)	0.12	0.128	6.7	LINR

110810 1442

FORM VII

7

EDB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SECD04 CalibrationDate: 08/03/10 Time: 2021

CCV ID: CCV875701 Lab File ID: EDBCCV2.D Init. Calib. Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP1 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	15150648	14750091.667	2.6	AVRG
==========				
1,1,2,2-Tetrachloroethane(SURR)	0.12	0.117	2.5	LINR

110810 1442

FORM VII

7

EDB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SECD04 CalibrationDate: 08/03/10 Time: 2021

CCV ID: CCV875777 Lab File ID: EDBCCV2.D Init. Calib. Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP2 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	15230177	15832391.667	4.0	AVRG
==========				
1,1,2,2-Tetrachloroethane(SURR)	0.12	0.119	0.8	LINR

110810 1442

FORM VII

7

EDB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SECD04 CalibrationDate: 08/04/10 Time: 0100

CCV ID: CCV875778 Lab File ID: EDBCCV3.D Init. Calib. Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP1 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	15150648	16025100	5.8	AVRG
==========				
1,1,2,2-Tetrachloroethane(SURR)	0.12	0.123	2.5	LINR

110810 1442

FORM VII

7

EDB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SECD04 CalibrationDate: 08/04/10 Time: 0100

CCV ID: CCV875779 Lab File ID: EDBCCV3.D Init. Calib. Date Begin: 08/03/10 End: 08/03/10

GC Column: STX-CLP2 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	15230177	15000866.667	1.5	AVRG
==========				
1,1,2,2-Tetrachloroethane(SURR)	0.12	0.118	1.7	LINR

110810 1442

FORM VII

GC 8015 DRO ORGANICS

METHOD 8015

110810 1442

CASE NARRATIVE
GC SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

I. RECEIPT

Exceptions encountered upon receipt are addressed in the Sample Receipt Confirmation Report, included with the Chain-of-Custody documentation, or communication included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA SW846 Modified 8015D
Analyte range C10-C28

IV. PREPARATION

Water samples were prepared by SW846 EPA 3510C for DRO 8015D semi-volatiles analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met with the exception of:
Blank 41733MB was analyzed with the water samples extracted on 07/21/10. The following analyte(s) were detected below RL: TPH C10-C28 at 0.12 MG/L.
Samples coded accordingly.

C. Surrogates:

All acceptance criteria were met with the exception of:
Sample ST106-MSD-10625-20072010 was recovered below criteria for the following surrogate(s): o-Terphenyl Surrogate at 46.4 % with criteria of (50-150).

Samples coded accordingly.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

CASE NARRATIVE
GC SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met with the exception of:
MS - ST106-MS-10625-20072010 was analyzed with the water samples extracted on 07/21/10. The following analyte(s) were recovered below criteria: TPH C10-C28 at 55 % with criteria of (70-130).

SD - ST106-MSD-10625-20072010 was analyzed with the water samples extracted on 07/21/10. The following analyte(s) were recovered below criteria: TPH C10-C28 at 39.1 % with criteria of (70-130).

Since the LCS met criteria no further action was taken. Samples coded accordingly.

E. Internal Standards:

This method does not require the use of internal standards.

F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature:
Name: Brian C. Spann Title: Lab Director

SIGNED: **DATE: 07/28/2010**

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CASE NARRATIVE

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 41731LCS Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 41731LCS Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 41731LCS Analyte: Triacontane (C-30) Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 41733MB Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 41733MB Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 41733MB Analyte: Triacontane (C-30) Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-FD-10625-20072010 Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-FD-10625-20072010 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-FD-10625-20072010 Analyte: Triacontane (C-30) Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-GW-10625-20072010 Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-GW-10625-20072010 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-GW-10625-20072010 Analyte: Triacontane (C-30) Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-GW-10626-20072010 Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-GW-10626-20072010 Analyte: Triacontane (C-30) Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-MS-10625-20072010 Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-MS-10625-20072010 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-MS-10625-20072010 Analyte: Triacontane (C-30) Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-MSD-10625-20072010 Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: ST106-MSD-10625-20072010 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

Sample: ST106-MSD-10625-20072010 Analyte: Triacontane (C-30) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV873729 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV873729 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV873729 Analyte: Triacontane (C-30)(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV873730 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV873730 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV873730 Analyte: Triacontane (C-30)(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV873731 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV873731 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV873731 Analyte: Triacontane (C-30)(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: SSC873723 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: SSC873723 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: SSC873723 Analyte: Triacontane (C-30)(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873724 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873724 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873724 Analyte: Triacontane (C-30)(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873725 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873725 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873725 Analyte: Triacontane (C-30)(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873726 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873726 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change

CASE NARRATIVE

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

Calibration Sample: STD873726 Analyte: Triacontane (C-30)(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873727 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873727 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873727 Analyte: Triacontane (C-30)(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873728 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873728 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873728 Analyte: Triacontane (C-30)(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873735 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873735 Analyte: TPH C10-C28 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD873735 Analyte: Triacontane (C-30)(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

Signature:
Name: Brian C. Spann **Title:** Lab Director

CHEMIST: **DATE:** **07/28/2010**

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CASE NARRATIVE

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

Signature:
Name: Brian C. Spann **Title:** Lab Director

SECTION LEADER:
DATE: **07/28/2010**

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8015 DRO ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Method: 8015

EPA Sample No	Lab Sample ID
ST106-FD-10625-20072010	350023701
ST106-GW-10625-20072010	350023702
ST106-GW-10626-20072010	350023705

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Sample Data

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1

8015 DRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-FD-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023701 Lab File ID 237-01.D

Sample wt/vol: 930 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 1 Date Extracted: 07/21/10

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 0236

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8015

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: MG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
TPH-C1028	TPH C10-C28	0.27	U	0.053765	0.27

110810 1442

Form I

1

8015 DRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023702 Lab File ID 237-02.D

Sample wt/vol: 970 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 1 Date Extracted: 07/21/10

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 0304

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8015

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: MG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
TPH-C1028	TPH C10-C28	0.26	U	0.051545	0.26

110810 1442

Form I

1

8015 DRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10626-20072010

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023705 Lab File ID 237-05.D

Sample wt/vol: 950 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 1 Date Extracted: 07/21/10

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 0428

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8015

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: MG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
TPH-C1028	TPH C10-C28	0.26	U	0.05263	0.26

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Form I

QC Summary

110810 1442

1

8015 DRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

41733MB

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 41733MB Lab File ID: 1212MB.D

Sample wt/vol: 1000 Units: ML Date Received: 07/21/10

Concentrated Extract Volume: 1 Date Extracted: 07/21/10

Level:(low/med) LOW Date Analyzed: 07/27/10 Time: 0015

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8015

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: MG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
TPH-C1028	TPH C10-C28	0.12	J	0.05	0.25

110810 1442

Form I

8015 DRO ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 41733MB

Lab Name: PEL, Spectrum Analytic Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Lab File ID: 1212MB.D Lab Sample ID: 41733MB

Instrument ID: SFID01 Date Extracted: 07/21/10

Matrix: WATER Date Analyzed: 07/27/10

Level:(low/med) LOW Time Analyzed: 0015

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	41731LCS	41731LCS	1212LCS.D	07/27/10	0043
2	ST106-FD-10625-20072010	350023701	237-01.D	07/27/10	0236
3	ST106-GW-10625-20072010	350023702	237-02.D	07/27/10	0304
4	ST106-MS-10625-20072010	350023703	237-03.D	07/27/10	0332
5	ST106-MSD-10625-20072010	350023704	237-04.D	07/27/10	0400
6	ST106-GW-10626-20072010	350023705	237-05.D	07/27/10	0428

COMMENTS:

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Form IV

2A

WATER 8015 DRO ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. _____ SAS No: _____ SDG NO.: 3500237

Column(1): RTX-5 ID: 0.53 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
41731LCS	120.0	105.0					0
41733MB	72.0	55.0					0
ST106-FD-10625-20072010	86.4	68.2					0
ST106-GW-10625-20072010	63.0	61.9					0
ST106-GW-10626-20072010	86.0	71.4					0
ST106-MS-10625-20072010	64.0	57.1					0
ST106-MSD-10625-20072010	46.4 *	63.6					1

Control Limits

S1	=	o-Terphenyl Surrogate	50 - 150
S2	=	Triacontane (C-30)	50 - 150

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out
Control limit source: (lab/method) METHOD

Form II

110810 1442

8015 DRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 07/26/10

Instrument ID: SFID01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 4.79 S2 : 7.44

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1450		
2	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1518		
3	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1546		
4	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	1615		
5	STD873735	35774	DROCAL06.D	07/26/10	1643	4.82	7.54
6	STD873728	35773	DROCAL05.D	07/26/10	1712	4.79	7.44
7	STD873727	35772	DROCAL04.D	07/26/10	1740	4.78	7.44
8	STD873726	35771	DROCAL03.D	07/26/10	1808	4.78	7.44
9	STD873725	35769	DROCAL02.D	07/26/10	1837	4.78	7.42
10	STD873724	35768	DROCAL01.D	07/26/10	1905	4.79	7.47
11	SSC873723	35767	DROSEC.D	07/26/10	1934	4.78	7.44
12	CCV873729	35773	DROCCV1.D	07/26/10	2002	4.8	7.47
13	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	2030		
14	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	2059		
15	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	2127		
16	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	2155		
17	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	2223		
18	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	2251		
19	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	2319		
20	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/26/10	2347		
21	41733MB	41733MB	1212MB.D	07/27/10	0015	4.76	7.34
22	41731LCS	41731LCS	1212LCS.D	07/27/10	0043	4.81	7.43
23	CCV873730	35773	DROCCV2.D	07/27/10	0112	4.76	7.34
24	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/27/10	0140		
25	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/27/10	0208		
26	ST106-FD-10625-20072010	350023701	237-01.D	07/27/10	0236	4.78	7.39

			QC LIMITS
S1	=	o-Terphenyl Surrogate	(+/- 0.14 MINUTES)
S2	=	Triacontane (C-30)	(+/- 0.2 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

Page 1 of 2

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8015 DRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 07/26/10

Instrument ID: SFID01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 4.79 S2 : 7.44

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
27	ST106-GW-10625-20072010	350023702	237-02.D	07/27/10	0304	4.77	7.38
28	ST106-MS-10625-20072010	350023703	237-03.D	07/27/10	0332	4.78	7.42
29	ST106-MSD-10625-20072010	350023704	237-04.D	07/27/10	0400	4.79	7.45
30	ST106-GW-10626-20072010	350023705	237-05.D	07/27/10	0428	4.76	7.37
31	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/27/10	0456		
32	ZZZZZZ	ZZZZZZ	ZZZZZZ	07/27/10	0524		
33	CCV873731	35773	DROCCV3.D	07/27/10	0552	4.79	7.43

			QC LIMITS
S1	=	o-Terphenyl Surrogate	(+/- 0.14 MINUTES)
S2	=	Triacontane (C-30)	(+/- 0.2 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

3

8015 DRO ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

41731LCS

Lab Name: PEL, Spectrum Analytical, In Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED MG/L	LCS CONCENTRATION MG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
TPH C10-C28	1	1.1	110.0		30.0	70 - 130

Spike Recovery: 0 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

110810 1442

Form III

3

8015 DRO ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106 ST106-MS-10625-20072010

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED MG/L	SAMPLE CONCENTRATION MG/L	MS CONCENTRATION MG/L	MS % REC #	QC LIMITS REC.
TPH C10-C28	1.0	0	0.55	55.0 *	70 - 130

Spike Recovery: 1 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110810 1442

3

8015 DRO ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST10 ST106-MSD-10625-20072010

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

COMPOUND	SPIKE ADDED MG/L	MSD CONCENTRATION MG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
TPH C10-C28	1.1	0.43	39.1 *	24.5	30	70 - 130

RPD: 0 out of 1 outside limits

Spike Recovery: 1 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

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Standards Data

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8015 DRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SFID01 Calibration Date Begin: 07/26/10 End: 07/26/10

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1643 End: 1905

LAB FILE ID: RRF0.025 =DROCAL01.D RRF0.1 =DROCAL02.D
RRF0.5 =DROCAL03.D RRF1 =DROCAL04.D RRF2 =DROCAL05.D

COMPOUND	RRF0.025	RRF0.1	RRF0.5	RRF1	RRF2
TPH C10-C28	232211120	52544480	41064736	42742363	37237562.5
==========					
o-Terphenyl Surrogate(SURR)	34894310	42550560	41112700	40435280	36421380
Triacontane (C-30)(SURR)	34874920	36359030	36223485	37691560	35418350

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FORM VI

6

8015 DRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SFID01 Calibration Date Begin: 07/26/10 End: 07/26/10

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1643 End: 1905

LAB FILE ID: RRF4 =DROCAL06.D

COMPOUND	RRF4				
TPH C10-C28	36489356.25				
==========					
o-Terphenyl Surrogate(SURR)	37152060				
Triacontane (C-30)(SURR)	36196045				

110810 1442

FORM VI

8015 DRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SFID01 Calibration Date Begin: 07/26/10 End: 07/26/10

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1643 End: 1905

COMPOUND	CURVE	COEFFICIENTS AO	A1	%RSD OR R^2
TPH C10-C28	LINR	-0.10761499	2.80584E-08	0.99875
==========				
o-Terphenyl Surrogate(SURR)	AVRG		38761048.33	7.8
Triacontane (C-30)(SURR)	AVRG		36127231.67	2.7

8015 DRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SFID01 Calibration Date Begin: 07/26/10 End: 07/26/10

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1643 End: 1905

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT1: DROCAL01.D RT2: DROCAL02.D
RT3: DROCAL03.D RT4: DROCAL04.D RT5: DROCAL05.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	TO
TPH C10-C28	4.768	4.768	4.768	4.768	4.768			
==========								
o-Terphenyl Surrogate(SURR)	4.793	4.777	4.780	4.783	4.787			
Triacontane (C-30)(SURR)	7.467	7.417	7.443	7.437	7.443			

8015 DRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Instrument ID: SFID01 Calibration Date Begin: 07/26/10 End: 07/26/10

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1643 End: 1905

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT6: DROCAL06.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	TO
TPH C10-C28	4.768					4.768	1.935	7.600
==========								
o-Terphenyl Surrogate(SURR)	4.820					4.787	4.644	4.929
Triacontane (C-30)(SURR)	7.543					7.443	7.245	7.642

7SSC

8015 DRO ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SFID01 CalibrationDate: 07/26/10 Time: 1934

CCV ID: SSC873723 Lab File ID: DROSEC.D Init. Calib. Date Begin: 07/26/10 End: 07/26/10

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH C10-C28	2	1.88	6.0	LINR
==========				
o-Terphenyl Surrogate(SURR)	38761048	43656860	12.6	AVRG
Triacontane (C-30)(SURR)	36127232	35593250	1.5	AVRG

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FORM VII

8015 DRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SFID01 CalibrationDate: 07/26/10 Time: 2002

CCV ID: CCV873729 Lab File ID: DROCCV1.D Init. Calib. Date Begin: 07/26/10 End: 07/26/10

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH C10-C28	2	2.01	0.5	LINR
==========				
o-Terphenyl Surrogate(SURR)	38761048	37125370	4.2	AVRG
Triacontane (C-30)(SURR)	36127232	36211145	0.2	AVRG

8015 DRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SFID01 CalibrationDate: 07/27/10 Time: 0112

CCV ID: CCV873730 Lab File ID: DROCCV2.D Init. Calib. Date Begin: 07/26/10 End: 07/26/10

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH C10-C28	2	2.01	0.5	LINR
==========				
o-Terphenyl Surrogate(SURR)	38761048	37193940	4.0	AVRG
Triacontane (C-30)(SURR)	36127232	35756375	1.0	AVRG

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FORM VII

8015 DRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID: SFID01 CalibrationDate: 07/27/10 Time: 0552

CCV ID: CCV873731 Lab File ID: DROCCV3.D Init. Calib. Date Begin: 07/26/10 End: 07/26/10

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH C10-C28	2	1.91	4.5	LINR
==========				
o-Terphenyl Surrogate(SURR)	38761048	36034560	7.0	AVRG
Triacontane (C-30)(SURR)	36127232	35430815	1.9	AVRG

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FORM VII

Inorganics

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Inorganic Data Qualifiers

C (Concentration) Qualifier - Entries and their meanings are:

J The reported value obtained was less than the RL but greater than or equal to the MDL.

E The reported value obtained was over calibration or linear range.

U The reported value obtained was less than the MDL or was not detected.

Q Qualifier - Entries and their meanings are:

U The reported value is estimated because of interference. An explanatory comment must be included under "Comments" on the Cover Page if the problem applies to all samples in this data package or on the individual FORM 1 if it is an isolated problem.

M Duplicate injection precision was not met (two analyses of the same sample did not agree).

N Spiked sample recovery not within control limits.

E Serial Dilution percent difference not within control limits.

S The reported value was determined by the Method of Standard Additions (MSA).

W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

***** Duplicate analysis not within control limits.

+ Correlation coefficient for the MSA is less than 0.995.

X The data is flagged as rejected by analyst utilizing analytical judgement.

Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can apear in the same field.

M (Method) Qualifier - Enter one of the following:

P ICP
A Flame AA
F Furnace AA
CV Manual Cold Vapor AA
TC Total Organic Carbon
AS Semi-Automated Spectrophotometric
CA Midi-Distillation Spectrophotometric
T Titrimetric
C Manual Spectrophotometric
GR Gravimetric
NR Analyte was not required by your lab

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Inorganic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for inorganic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

A Post Digestion Spike.

L Serial Dilution.

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METALS DATA PACKAGE
DISSOLVED

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CASE NARRATIVE
METALS
DISSOLVED

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

I. RECEIPT

Exceptions encountered upon receipt are addressed in the Sample Receipt Confirmation Report, included with the Chain-of-Custody documentation, or communication included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 6010B for ICP metals.

IV. PREPARATION

Water samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3010A.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

Samples were originally analyzed 07/23/10. Iron failed DOD acceptance criteria for the ICB and several CCBs. All samples were re-anzlyzed 08/05/10 where Iron and other analytes failed DOD acceptance criteria. All data reported from 07/23/10.

The following ICB/CCB(s) had element concentrations below the RL:
ICB872369 was analyzed on 07/23/10 09:59. The following analyte(s) were detected below RL: Iron at 29.6 UG/L, Magnesium at 15.8 UG/L, Manganese at -0.366 UG/L. Iron greater than 2X the MDL, data reported. Magnesium and Manganese less than 2X the MDL, therefore, no corrective action was taken.
CCB872723 was analyzed on 07/23/10 19:40. The following analyte(s) were detected below RL: Iron at 19.7 UG/L, Manganese at -0.407 UG/L. Iron greater than 2X the MDL, data reported. Manganese less than 2X the MDL, therefore, no corrective action was taken.
CCB872735 was analyzed on 07/23/10 20:33. The following analyte(s) were detected below RL: Iron at 23.3 UG/L, Manganese at -0.429 UG/L. Iron greater than 2X the MDL, data reported. Manganese less than 2X the MDL, therefore, no corrective action was taken.
CCB872747 was analyzed on 07/23/10 21:27. The following analyte(s) were detected below RL: Iron at 22.9 UG/L. Iron greater than 2X the MDL, data reported.

2. Method Blanks:

All acceptance criteria were met.

CASE NARRATIVE
METALS
DISSOLVED

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

C. Spikes:

1. **Laboratory Control Spikes (LCS):**
   An LCS/LCSD set was analyzed.
   All percent recovery and relative percent difference (RPD) criteria were met.

2. **Post Digestion Spike:**
   All acceptance criteria were met.

3. **Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):**
   A client requested MS/SD set was analyzed.
   All percent recovery and relative percent difference (RPD) criteria were met.

D. Duplicate:
No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Serial Dilution:
All acceptance criteria were met.

F. ICP Interference Check Samples:
All acceptance criteria were met.

G. Samples:
Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature: Linda Lee M. Gates
Name: Linda Lee Gates Title: Metals Manager

SIGNED: **DATE: 08/06/2010**

W:\Narratives\Metals\3500\3500237_6010_D.doc

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SDG No.: 3500237

SOW No.:

EPA Sample No	Lab Sample ID
ST106-FD-10625-20072010	350023701
ST106-GW-10625-20072010	350023702
ST106-GW-10626-20072010	350023705

Were ICP interelement corrections applied?	Yes/No	Yes
Were ICP background corrections applied?	Yes/No	Yes
If yes - were raw data generated before application of background corrections?	Yes/No	No

Comments:

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Sample Data

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-FD-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023701

Level:(low/med) LOW Date Received: 7/21/2010

PercentSolids: 0 Station ID:

Dissolved

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-70-2	Calcium	38100			P		39	100
7439-89-6	Iron	27.7	J		P		5.5	100
7439-92-1	Lead	5.04	J		P		3.7	15
7439-95-4	Magnesium	6070			P		9.8	100
7439-96-5	Manganese	7.81	J		P		0.35	10
7440-09-7	Potassium	2360			P		71.7	500
7440-23-5	Sodium	43000			P		180	300

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023702

Level:(low/med) LOW Date Received: 7/21/2010

PercentSolids: 0 Station ID:

Dissolved

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-70-2	Calcium	38800			P		39	100
7439-89-6	Iron	57.7	J		P		5.5	100
7439-92-1	Lead	6.03	J		P		3.7	15
7439-95-4	Magnesium	6200			P		9.8	100
7439-96-5	Manganese	7.39	J		P		0.35	10
7440-09-7	Potassium	2380			P		71.7	500
7440-23-5	Sodium	43200			P		180	300

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10626-20072010

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023705

Level:(low/med) LOW Date Received: 7/21/2010

PercentSolids: 0 Station ID:

Dissolved

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-70-2	Calcium	67000			P		39	100
7439-89-6	Iron	27.4	J		P		5.5	100
7439-92-1	Lead	6.25	J		P		3.7	15
7439-95-4	Magnesium	9490			P		9.8	100
7439-96-5	Manganese	38.6			P		0.35	10
7440-09-7	Potassium	3660			P		71.7	500
7440-23-5	Sodium	29300			P		180	300

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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QC Summary

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AFCEE
INORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW6010B

Lab Name: PEL, Spectrum Analytical, Inc.

Contract Number:

Date of Initial calibration: 23-Jul-10

Initial Calibration ID: ICAP2072310A-2-6010_D

Instrument ID: ICAP2

Concentration Units: mg/L

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	r	Q
Calcium	0	65.1489	0.025	497.072	0.25	3330.94	2.5	31643.7	25	311129	0.99999	
Iron	0	94.6993	0.04	875.436	0.4	8462.17	4	84187.3	40	814009	0.99905	
Lead	0	42.9923			0.005	15.5867	0.05	185.652	0.5	1942.89	0.99943	
Magnesium	0	148.030	0.025	413.233	0.25	3842.39	2.5	38856.6	25	371799	0.99963	
Manganese	0	575.427			0.005	4096.06	0.05	39225.2	0.5	384051	0.99915	
Potassium	0	-67.047	0.025	212.303	0.25	1452.29	2.5	12474.0	25	121746	0.99887	
Sodium	0	924.82	0.025	253.206	0.25	3269.63	2.5	32089.3	25	306586	0.99952	

r = correlation coefficient

Comments:

AFCEE FORM I-3

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3500237

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Initial Calibration Source: 35660

Continuing Calibration Source: 35731

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Calcium	40000	41000.000	102.5	25000	25000.000	100.0	25600.000	102.4	P
Iron	40000	40200.000	100.5	40000	40500.000	101.2	40900.000	102.2	P
Lead	400	407.000	101.8	500	509.000	101.8	509.000	101.8	P
Magnesium	40000	41200.000	103.0	25000	25200.000	100.8	26000.000	104.0	P
Manganese	400	402.000	100.5	500	500.000	100.0	512.000	102.4	P
Potassium	40000	39900.000	99.8	25000	23800.000	95.2	24300.000	97.2	P
Sodium	40000	39200.000	98.0	25000	24200.000	96.8	24700.000	98.8	P

ICV IDs: P= ICV872368

CCV1 IDs: P= CCV872373

CCV2 IDs: P= CCV872385

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Initial Calibration Source:

Continuing Calibration Source: 35731

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Calcium				25000	25400.000	101.6	26200.000	104.8	P
Iron				40000	40400.000	101.0	41600.000	104.0	P
Lead				500	510.000	102.0	528.000	105.6	P
Magnesium				25000	25400.000	101.6	26200.000	104.8	P
Manganese				500	504.000	100.8	518.000	103.6	P
Potassium				25000	23300.000	93.2	23900.000	95.6	P
Sodium				25000	23700.000	94.8	24300.000	97.2	P

ICV IDs:

CCV1 IDs: P= CCV872396

CCV2 IDs: P= CCV872685

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Initial Calibration Source:

Continuing Calibration Source: 35731

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Calcium				25000	26700.000	106.8	26100.000	104.4	P
Iron				40000	42100.000	105.2	41700.000	104.2	P
Lead				500	527.000	105.4	521.000	104.2	P
Magnesium				25000	26200.000	104.8	26600.000	106.4	P
Manganese				500	519.000	103.8	516.000	103.2	P
Potassium				25000	24000.000	96.0	24000.000	96.0	P
Sodium				25000	25200.000	100.8	24700.000	98.8	P

ICV IDs:

CCV1 IDs: P= CCV872698

CCV2 IDs: P= CCV872710

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Initial Calibration Source:

Continuing Calibration Source: 35731

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Calcium				25000	25800.000	103.2	26400.000	105.6	P
Iron				40000	41100.000	102.8	42000.000	105.0	P
Lead				500	527.000	105.4	526.000	105.2	P
Magnesium				25000	25700.000	102.8	26500.000	106.0	P
Manganese				500	516.000	103.2	519.000	103.8	P
Potassium				25000	23700.000	94.8	24100.000	96.4	P
Sodium				25000	24300.000	97.2	24700.000	98.8	P

ICV IDs:

CCV1 IDs: P= CCV872722

CCV2 IDs: P= CCV872734

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Initial Calibration Source:

Continuing Calibration Source: 35731

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Calcium				25000	26600.000	106.4			P
Iron				40000	42300.000	105.8			P
Lead				500	529.000	105.8			P
Magnesium				25000	26600.000	106.4			P
Manganese				500	529.000	105.8			P
Potassium				25000	24300.000	97.2			P
Sodium				25000	25000.000	100.0			P

ICV IDs:

CCV1 IDs: P= CCV872746

CCV2 IDs:

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

110810 1443

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BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Calcium	100	U	100	U	100	U	100	U	100	U	P
Iron	29.6	J	18.2	J	19.5	J	13.8	J	100	U	P
Lead	15	U	15	U	15	U	15	U	15	U	P
Magnesium	15.8	J	100	U	100	U	100	U	100	U	P
Manganese	-0.366	J	-0.44	J	-0.439	J	-0.476	J	10	U	P
Potassium	500	U	500	U	500	U	500	U	500	U	P
Sodium	300	U	300	U	300	U	300	U	300	U	P

ICB IDs: P= ICB872369

CCB1 IDs: P= CCB872374

CCB2 IDs: P= CCB872386

CCB3 IDs: P= CCB872397

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BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Calcium			100	U	100	U	100	U			P
Iron			21.3	J	22	J	19.9	J			P
Lead			15	U	15	U	15	U			P
Magnesium			100	U	100	U	100	U			P
Manganese			-0.424	J	-0.419	J	-0.436	J			P
Potassium			500	U	500	U	500	U			P
Sodium			300	U	300	U	300	U			P

ICB IDs:

CCB1 IDs: P= CCB872686

CCB2 IDs: P= CCB872699

CCB3 IDs: P= CCB872711

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BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Calcium			100	U	100	U	100	U			P
Iron			19.7	J	23.3	J	22.9	J			P
Lead			15	U	15	U	15	U			P
Magnesium			100	U	100	U	100	U			P
Manganese			-0.407	J	-0.429	J	10	U			P
Potassium			500	U	500	U	500	U			P
Sodium			300	U	300	U	300	U			P

ICB IDs:

CCB1 IDs: P= CCB872723

CCB2 IDs: P= CCB872735

CCB3 IDs: P= CCB872747

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

ICP ID#: ICAP2 ICSA Source: 33325

ICSAB Source: 33326

Concentration Units: UG/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Calcium	250000	250000	250036.49	250678.723	100.3			
Iron	225000	225000	216375.819	215422.823	95.7			
Lead	0	50	-0.009	47.588	95.2			
Magnesium	250000	250000	247919.114	247559.145	99.0			
Manganese	0	500	0.496	488.452	97.7			
Potassium	0	0	-78.17					
Sodium	0	0	25.372					

ICSA: ICS872371

ICSAB: ICS872372

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5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

ST106-MS-10625-20072010

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0

Dissolved

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Calcium	75 - 125	89900		38800		50000	102.2		P
Iron	75 - 125	50300		57.7	J	50000	100.5		P
Lead	75 - 125	512		6.03	J	500	101.2		P
Magnesium	75 - 125	57700		6200		50000	103		P
Manganese	75 - 125	509		7.39	J	500	100.3		P
Potassium	75 - 125	51500		2380		50000	98.2		P
Sodium	75 - 125	91300		43200		50000	96.2		P

Comments:

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5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

ST106-MSD-10625-20072010

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0

Dissolved

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Calcium	75 - 125	89100		38800		50000	100.6		P
Iron	75 - 125	49900		57.7	J	50000	99.7		P
Lead	75 - 125	514		6.03	J	500	101.6		P
Magnesium	75 - 125	56500		6200		50000	100.6		P
Manganese	75 - 125	507		7.39	J	500	99.9		P
Potassium	75 - 125	50900		2380		50000	97		P
Sodium	75 - 125	90300		43200		50000	94.2		P

Comments:

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA Sample No.

350023702A

Lab Name: PEL, Spectrum Analytical, Inc Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: Water Level:(low/med) LOW

Dissolved

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Calcium	80 - 120	89100.00		38793.51		50000	100.7		P
Iron	80 - 120	50900.00		57.67	J	50000	101.7		P
Lead	80 - 120	526.00		6.03	J	500	104.1		P
Magnesium	80 - 120	58800.00		6202.70		50000	105.2		P
Manganese	80 - 120	523.00		7.39	J	500	103.2		P
Potassium	80 - 120	52500.00		2379.39		50000	100.2		P
Sodium	80 - 120	90900.00		43209.40		50000	95.3		P

Comments:

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DUPLICATES

EPA Sample No.

41920LCSD

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Dissolved

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Calcium	20	51900		50500		2.7		P
Iron	20	50000		48700		2.6		P
Lead	20	518		507		2.1		P
Magnesium	20	51700		51000		1.4		P
Manganese	20	501		495		1.2		P
Potassium	20	48400		47600		1.7		P
Sodium	20	48100		47400		1.5		P

Comments:

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DUPLICATES

EPA Sample No.

ST106-MSD-10625-20072010

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Dissolved

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Calcium	20	89900		89100		0.9		P
Iron	20	50300		49900		0.8		P
Lead	20	512		514		0.4		P
Magnesium	20	57700		56500		2.1		P
Manganese	20	509		507		0.4		P
Potassium	20	51500		50900		1.2		P
Sodium	20	91300		90300		1.1		P

Comments:

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7

LABORATORY CONTROL SAMPLE

EPA Sample No.

41919LCS

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Solid LCS Source:

Aqueous LCS Source: 34976, 35727, 35048,

Dissolved

Analyte	Aqueous (UG/L) True	Found	%R	Solid True	Found	C	Limits	%R
Calcium	50000	51900	103.8				-	
Iron	50000	50000	100.0				-	
Lead	500	518	103.6				-	
Magnesium	50000	51700	103.4				-	
Manganese	500	501	100.2				-	
Potassium	50000	48400	96.8				-	
Sodium	50000	48100	96.2				-	

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7

LABORATORY CONTROL SAMPLE

EPA Sample No.

41920LCSD

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Solid LCS Source:

Aqueous LCS Source: 34976, 35727, 35048,

Dissolved

	Aqueous (UG/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Calcium	50000	50500	101.0				-	
Iron	50000	48700	97.4				-	
Lead	500	507	101.4				-	
Magnesium	50000	51000	102.0				-	
Manganese	500	495	99.0				-	
Potassium	50000	47600	95.2				-	
Sodium	50000	47400	94.8				-	

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SERIAL DILUTIONS

EPA Sample No.

350023702L

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: Water Level:(low/med) LOW

Dissolved

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Calcium	38793.51		40200.00		3.6		P
Iron	57.67	J	40.80	J	29		P
Lead	6.03	J	75.00	U			P
Magnesium	6202.70		6530.00		5.3		P
Manganese	7.39	J	5.31	J	28		P
Potassium	2379.39		2330.00	J	2.1		P
Sodium	43209.40		46100.00		6.7		P

Comments:

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METHOD DETECTION LIMITS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

ICP ID Number : ICAP2

Furnace AA ID Number :

Analyte	Wave-length (nm)	Raw MDL (UG/L)	CRDL (UG/L)	MDL (UG/L)	Verification Date	M
Calcium	315.887	39	100	39	2/23/2010	P
Magnesium	279.077	9.8	100	9.8	2/23/2010	P
Manganese	257.61	0.35	10	0.35	2/23/2010	P
Potassium	766.49	71.7	500	71.7	2/23/2010	P

Comments:

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METHOD DETECTION LIMITS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

ICP ID Number : ICAP2

Furnace AA ID Number :

Analyte	Wave-length (nm)	Raw MDL (UG/L)	CRDL (UG/L)	MDL (UG/L)	Verification Date	M
Iron	259.939	5.5	100	5.5	2/26/2010	P
Sodium	589.592	180	300	180	2/26/2010	P

Comments:

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METHOD DETECTION LIMITS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

ICP ID Number : ICAP2

Furnace AA ID Number :

Analyte	Wave-length (nm)	Raw MDL (UG/L)	CRDL (UG/L)	MDL (UG/L)	Verification Date	M
Lead	220.353	3.7	15	3.7	3/16/2010	P

Comments:

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11A

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No.: SDG No.: 3500237

ICP ID Number : ICAP2 Date: 3/20/2010

Analyte	Wave-length	Interelement Correction Factors for:													
		Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Li	Mg
Calcium	315.887	-0.004569	0.033090												
Iron	259.939	-0.018287	-0.058376	0.018031		-0.069330		0.253718	0.024375						

Comments:

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11A

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No.: SDG No.: 3500237

ICP ID Number : ICAP2 Date: 3/20/2010

Analyte	Wave-length	Interelement Correction Factors for:												
		Mn	Mo	Na	Ni	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	Zn
Calcium	315.887							-0.017299		0.006602	0.002747			
Iron	259.939													

Comments:

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ICP LINEAR RANGES (SEMI-ANNUALLY)

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

ICP ID NUMBER : ICAP2 DATE : 12/8/2009

Analyte	Integ. Time (sec.)	Concentration UG/L	M
Calcium	1	1000000	P
Iron	1	400000	P
Lead	1	5000	P
Magnesium	1	1000000	P
Manganese	1	5000	P
Potassium	1	250000	P
Sodium	1	250000	P

Comments:

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PREPARATION LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Method : 6010

EPA Sample No:	Preparation Date	Weight (gram)	Volume (mL)
41918MB	22 Jul 10		50
41919LCS	22 Jul 10		50
41920LCSD	22 Jul 10		50
ST106-FD-10625-20072010	22 Jul 10		50
ST106-GW-10625-20072010	22 Jul 10		50
ST106-GW-10626-20072010	22 Jul 10		50
ST106-MS-10625-20072010	22 Jul 10		50
ST106-MSD-10625-20072010	22 Jul 10		50

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ANALYSIS RUN LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID Number : ICAP2 Method : P

Start Date : 7/23/2010 End Date : 7/23/2010

EPA Sample No.	D/F	Time	%R	Analytes																											
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
CAL01	1	9:26							X						X		X		X	X		X		X								
CAL02	1	9:31							X						X		X		X			X										
CAL03	1	9:36							X						X		X		X	X		X		X								
CAL04	1	9:40							X						X		X		X	X		X		X								
CAL05	1	9:44							X						X		X		X	X		X		X								
CAL06	1	9:48							X						X		X		X	X		X		X								
ICV872368	1	9:54							X						X		X		X	X		X		X								
ICB872369	1	9:59							X						X		X		X	X		X		X								
ZZZZZZ	1	10:04																														
ICS872371	1	10:09							X						X		X		X	X		X		X								
ICS872372	1	10:13							X						X		X		X	X		X		X								
CCV872373	1	10:17							X						X		X		X	X		X		X								
CCB872374	1	10:21							X						X		X		X	X		X		X								
ZZZZZZ	1	10:58																														
ZZZZZZ	1	11:02																														
ZZZZZZ	1	11:07																														
ZZZZZZ	1	11:11																														
ZZZZZZ	5	11:16																														
ZZZZZZ	1	11:21																														
ZZZZZZ	1	11:25																														
ZZZZZZ	1	11:30																														
ZZZZZZ	1	11:34																														
ZZZZZZ	1	11:39																														
CCV872385	1	11:44							X						X		X		X	X		X		X								
CCB872386	1	11:48							X						X		X		X	X		X		X								
ZZZZZZ	1	11:53																														
ZZZZZZ	1	11:58																														
ZZZZZZ	1	12:03																														
ZZZZZZ	1	12:08																														
ZZZZZZ	1	12:14																														
ZZZZZZ	5	12:19																														
ZZZZZZ	1	12:24																														
ZZZZZZ	1	12:28																														
ZZZZZZ	1	12:33																														
CCV872396	1	12:38							X						X		X		X	X		X		X								
CCB872397	1	12:42							X						X		X		X	X		X		X								

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ANALYSIS RUN LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID Number : ICAP2 Method : P

Start Date : 7/23/2010 End Date : 7/23/2010

EPA Sample No.	D/F	Time	%R	Analytes																										
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
ZZZZZZ	5	12:56																														
ZZZZZZ	200	13:35																														
CCV872685	1	13:39							X						X		X		X	X		X		X								
CCB872686	1	13:43							X						X		X		X	X		X		X								
ZZZZZZ	5	17:06																														
ZZZZZZ	25	17:11																														
ZZZZZZ	5	17:16																														
ZZZZZZ	5	17:21																														
ZZZZZZ	5	17:25																														
ZZZZZZ	2	17:29																														
ZZZZZZ	5	17:33																														
ZZZZZZ	2	17:38																														
ZZZZZZ	5	17:42																														
ZZZZZZ	1	17:46																														
CCV872698	1	17:50							X						X		X		X	X		X		X								
CCB872699	1	17:55							X						X		X		X	X		X		X								
ZZZZZZ	5	18:00																														
ZZZZZZ	10	18:04																														
ZZZZZZ	20	18:08																														
ZZZZZZ	1	18:12																														
ZZZZZZ	1	18:17																														
ZZZZZZ	1	18:21																														
ZZZZZZ	1	18:26																														
ZZZZZZ	5	18:30																														
ZZZZZZ	1	18:34																														
ZZZZZZ	1	18:38																														
CCV872710	1	18:42							X						X		X		X	X		X		X								
CCB872711	1	18:46							X						X		X		X	X		X		X								
ZZZZZZ	1	18:51																														
ZZZZZZ	1	18:55																														
ZZZZZZ	1	19:00																														
ZZZZZZ	1	19:05																														
ZZZZZZ	1	19:09																														
ZZZZZZ	1	19:13																														
ZZZZZZ	1	19:18																														
ZZZZZZ	1	19:23																														

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ANALYSIS RUN LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID Number : ICAP2 Method : P

Start Date : 7/23/2010 End Date : 7/23/2010

EPA Sample No.	D/F	Time	%R	Analytes																										
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	KI	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
ZZZZZZ	5	19:27																														
ZZZZZZ	1	19:32																														
CCV872722	1	19:36							X						X		X		X	X		X		X								
CCB872723	1	19:40							X						X		X		X	X		X		X								
ZZZZZZ	1	19:45																														
ZZZZZZ	1	19:49																														
ZZZZZZ	1	19:54																														
ZZZZZZ	1	19:58																														
ZZZZZZ	1	20:02																														
ZZZZZZ	1	20:07																														
ZZZZZZ	1	20:11																														
ZZZZZZ	1	20:15																														
41918MB	1	20:19							X						X		X		X	X		X		X								
41919LCS	1	20:24							X						X		X		X	X		X		X								
CCV872734	1	20:29							X						X		X		X	X		X		X								
CCB872735	1	20:33							X						X		X		X	X		X		X								
41920LCSD	1	20:38							X						X		X		X	X		X		X								
ST106-GW-10625-20072010	1	20:42							X						X		X		X	X		X		X								
350023702L	5	20:47							X						X		X		X	X		X		X								
ST106-MS-10625-20072010	1	20:52							X						X		X		X	X		X		X								
ST106-MSD-10625-2007201	1	20:56							X						X		X		X	X		X		X								
350023702A	1	21:00							X						X		X		X	X		X		X								
ST106-GW-10626-20072010	1	21:04							X						X		X		X	X		X		X								
ST106-FD-10625-20072010	1	21:10							X						X		X		X	X		X		X								
ZZZZZZ	1	21:15																														
ZZZZZZ	1	21:19																														
CCV872746	1	21:23							X						X		X		X	X		X		X								
CCB872747	1	21:27							X						X		X		X	X		X		X								

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WET CHEMISTRY DATA PACKAGE
TOTALS

110810 1443

CASE NARRATIVE
Anions by Ion Chromatography

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

I. RECEIPT

Exceptions encountered upon receipt are addressed in the Sample Receipt Confirmation Report, included with the Chain-of-Custody documentation, or communication included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: There is no preparation step for this method.

B. Sample Analysis: The following samples were analyzed out of hold for Nitrate: ST106-GW-10625-20072010RE1, ST106-MS-10625-20072010RE1, ST106-MSD-10625-20072010RE1. The samples were initially analyzed within hold on 07/21/10. There were multiple surrogate failures and Sulfate exceeded acceptance limits in the MSD sample. All samples were re-analyzed 07/22/10 (approximately 6 hours out of hold) and both sets of data are reported.

III. METHOD

Analyses were performed according to EPA method 300.1 and the PEL, a Division of Spectrum Analytical, Standard Operating Procedure.

IV. PREPARATION

There is no preparation step for this method.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met. No action required. The following ICB/CCB(s) had element concentrations below the RL:

ICB873247 was analyzed on 07/22/10 12:46. The following analyte(s) were detected below RL: Nitrate-N at 0.044 MG/L. Result below the RL, therefore, no corrective action was taken.

2. Method Blanks:

All acceptance criteria were met with the exception of:
Blank 072110MB was analyzed with the water samples on 07/21/10. The following analyte(s) were detected below RL: Nitrate-N at 0.065 MG/L. Samples coded accordingly. Result below the RL, therefore, no corrective action was taken.

C. Surrogates:

All acceptance criteria were met with the exception of:
Sample ST106-MSD-10625-20072010 was recovered below criteria for the following surrogate(s): Dichloroacetate - DCA at 68 % with criteria of (90-115).
Samples coded accordingly. The sample was re-analyzed due to the surrogate exceeding limits. Both sets of data are reported.

CASE NARRATIVE
Anions by Ion Chromatography

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

D. Spikes:

1. Laboratory Control Spikes (LCS):
An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):
A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met with the exception of:
MS - ST106-MS-10625-20072010 was analyzed with the water samples on 07/21/10. The following analyte(s) were recovered below criteria: Sulfate at 62.5 % with criteria of (85-125).

SD - ST106-MSD-10625-20072010 was analyzed with the water samples on 07/21/10. The following analyte(s) were recovered below criteria: Dichloroacetate - DCA at 68 % with criteria of (90-115), Sulfate at 82.5 % with criteria of (85-125).
Samples coded accordingly. These samples were re-analyzed and both sets of data are reported.

E. Duplicate:
No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

F. Samples:
Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature: Linda Lee M. Gates
Name: Linda Lee Gates Title: Metals Manager

SIGNED: **DATE: 08/05/2010**

CASE NARRATIVE

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Calibration Sample: STD 1 Analyte: Chloride Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 1 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 1 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 1 Analyte: Nitrate-N Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 1 Analyte: Sulfate Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 2 Analyte: Chloride Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 2 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 2 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 2 Analyte: Nitrate-N Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 2 Analyte: Sulfate Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 3 Analyte: Chloride Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 3 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 3 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 3 Analyte: Nitrate-N Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 3 Analyte: Sulfate Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 4 Analyte: Chloride Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 4 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 4 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 4 Analyte: Nitrate-N Reason: Baseline integration, needs re-enforced due to interference on target peak

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

Calibration Sample: STD 4 Analyte: Sulfate Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 5 Analyte: Chloride Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 5 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 5 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 5 Analyte: Nitrate-N Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 5 Analyte: Sulfate Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 6 Analyte: Chloride Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 6 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 6 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 6 Analyte: Nitrate-N Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 6 Analyte: Sulfate Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 7 Analyte: Chloride Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 7 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 7 Analyte: Dichloroacetate - DCA(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 7 Analyte: Nitrate-N Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD 7 Analyte: Sulfate Reason: Baseline integration, needs re-enforced due to interference on target peak

CASE NARRATIVE

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

Signature:
Name: Troy Roberts **Title:** Analyst

CHEMIST: **DATE:** **07/27/2010**

Signature:
Name: Linda Lee Gates **Title:** Metals Manager

SECTION LEADER:
DATE: 08/05/2010

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CASE NARRATIVE
ALKALINITY

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 310.1 / SM2320B.

IV. ANALYSIS

A. Blanks:

1. Method Blanks:

All acceptance criteria were met.

B. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

C. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

D. Samples:

Sample analysis proceeded normally.

Sample ST106-FD-10625-20072010 required a 5X dilution due to high concentration of the following analyte(s): Alkalinity (Bicarbonate), Alkalinity (Carbonate), Alkalinity (Total).

Samples ST106-GW-10625-20072010, ST106-GW-10626-20072010 required a 4X dilution due to high concentration of the following analyte(s): Alkalinity (Bicarbonate), Alkalinity (Carbonate), Alkalinity (Total).

CASE NARRATIVE
ALKALINITY

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature: Linda Lee M. Gates
Name: Linda Lee Gates Title: Metals Manager

SIGNED: **DATE: 08/05/2010**

CASE NARRATIVE
AMMONIA

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 350.1 / SM4500-NH3 G.

IV. PREPARATION

Water samples were prepared by EPA Method 350.1 / SM4500-NH3 G.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

D. Duplicate:

CASE NARRATIVE
AMMONIA

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature:
Name: Troy Roberts Title: Analyst

SIGNED: **DATE: 08/04/2010**

CASE NARRATIVE
SULFIDE

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 376.1 / SM4500-S F.

IV. ANALYSIS

A. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

B. Spikes:

1. Laboratory Control Spikes (LCS):

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

C. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

D. Samples:

Sample analysis proceeded normally.

CASE NARRATIVE
SULFIDE

PEL Lab Reference No./SDG: 3500237

Client: CH2M Hill

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature:

Name: Troy Roberts Title: Analyst

SIGNED: **DATE: 08/04/2010**

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SDG No.: 3500237

SOW No.:

EPA Sample No	Lab Sample ID
ST106-FD-10625-20072010	350023701
ST106-GW-10625-20072010	350023702
ST106-GW-10625-20072010RE	350023702RE1
ST106-GW-10626-20072010	350023705

Comments:

110810 1443

Sample Data

110810 1443

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-FD-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023701

Level:(low/med) LOW Date Received: 7/21/2010

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
47792-3-70-0	Alkalinity (Bicarbonate)	108			IS		0.5	5
47773-0-60-0	Alkalinity (Carbonate)	0			IS		0.5	5
47752-0-60-0	Alkalinity (Total)	108			IS		0.5	5
7664-41-7	Ammonia	0.25	U		AS		0.05	0.25
1-00-3	Chloride	25.4			IC		0.34	1
25-90-0	Nitrate-N	0.53			IC		0.036	0.5
3-03-5	Sulfate	62.5			IC		0.32	1
18496-25-8	Sulfide	0.6	J		T		0.08	2

Surrogate	Recovery	Control Limits	Qualifier
Dichloroacetate - DCA	96.0	90 - 115	

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-20072010

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023702

Level:(low/med) LOW Date Received: 7/21/2010

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
47792-3-70-0	Alkalinity (Bicarbonate)	104			IS		0.5	4
47773-0-60-0	Alkalinity (Carbonate)	0			IS		0.5	4
47752-0-60-0	Alkalinity (Total)	104			IS		0.5	4
7664-41-7	Ammonia	0.25	U		AS		0.05	0.25
1-00-3	Chloride	25.4			IC		0.34	1
25-90-0	Nitrate-N	0.53			IC		0.036	0.5
3-03-5	Sulfate	62.7			IC		0.32	1
18496-25-8	Sulfide	0.2	J		T		0.08	2

Surrogate	Recovery	Control Limits	Qualifier
Dichloroacetate - DCA	96.0	90 - 115	

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

T106-GW-10625-20072010RE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023702RE1

Level:(low/med) LOW Date Received: 7/21/2010

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1-00-3	Chloride	25.4			IC		0.34	1
25-90-0	Nitrate-N	0.52			IC		0.036	0.5
3-03-5	Sulfate	62.8			IC		0.32	1

Surrogate	Recovery	Control Limits	Qualifier
Dichloroacetate - DCA	94.0	90 - 115	

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10626-20072010

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Lab Sample ID: 350023705

Level:(low/med) LOW Date Received: 7/21/2010

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
47792-3-70-0	Alkalinity (Bicarbonate)	86			IS		0.5	4
47773-0-60-0	Alkalinity (Carbonate)	0			IS		0.5	4
47752-0-60-0	Alkalinity (Total)	86			IS		0.5	4
7664-41-7	Ammonia	0.25	U		AS		0.05	0.25
1-00-3	Chloride	72.8			IC		0.34	1
25-90-0	Nitrate-N	3			IC		0.036	0.5
3-03-5	Sulfate	65.3			IC		0.32	1
18496-25-8	Sulfide	0.4	J		T		0.08	2

Surrogate	Recovery	Control Limits	Qualifier
Dichloroacetate - DCA	106.0	90 - 115	

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

QC Summary

110810 1443

AFCEE
WET CHEM ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW300.1

Lab Name: PEL, Spectrum Analytical, Inc.

Contract Number:

Date of Initial calibration: 15-Jun-10

Initial Calibration ID: IC06/15/10-1719~IC1061510CAL

Instrument ID: IC

Concentration Units: mg/L

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	r	Q
Chloride	0.4	28443	0.8	61473	4	296001	8	585103	16	1192485	40	3016004	0.99999	
Dichloroacetat	0.1	1456	0.5	6678	2.5	35207	5	77339	7	109085	10	157988	0.99999	
Nitrate-N	0.05	7911	0.1	15826	0.5	84182	1	171861	2	358575	5	920814	0.99999	
Sulfate	0.4	22444	0.8	48399	4	214762	8	432545	16	881234	40	2216560	0.99999	

r = correlation coefficient

Comments:

AFCEE FORM W-3

110810 1816

3500237

AFCEE
WET CHEM ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method: E350.1

Lab Name: PEL, Spectrum Analytical, Inc.

Contract Number:

Date of Initial calibration: 23-Jul-10

Initial Calibration ID: LACHAT-072310-1238

Instrument ID: LACHAT

Concentration Units: mg/L

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	r	Q
Ammonia	20	39.1	8	16	2	4.08	1	2.07	0.4	0.853	0.2	0.457	1.00000	

r = correlation coefficient

Comments:

AFCEE FORM W-3

110810 1816

3500237

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2-CC

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST10

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Concentration Units: (MG/L)

Analyte	Initial Calibration				Continuing Calibration						
	Source Used	True	Found	%R (1)	Source Used	True	Found	%R (1)	Found	%R (1)	M
Alkalinity (Bicarbo											IS
Alkalinity (Carbon											IS
Alkalinity (Total)											IS
Ammonia	29155	8	7.970	99.6	28733	8	7.980	99.8			AS
Chloride	35059	4	3.900	97.5	35059	4	3.900	97.5			IC
Nitrate-N	35059	0.5	0.490	98.0	35059	0.5	0.480	96.0			IC
Sulfate	35059	4	3.800	95.0	35059	4	3.800	95.0			IC
Sulfide											T

ICV IDs: AS= 42106ICV, IC= ICV873239

CCV1 IDs: AS= 42111CCV, IC= CCV873237

CCV2 IDs:

(1) Control Limits: TOC: 75-125

Comments:

110810 1443

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2-CC

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST10

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Concentration Units: (MG/L)

Analyte	Initial Calibration				Continuing Calibration						
	Source Used	True	Found	%R (1)	Source Used	True	Found	%R (1)	Found	%R (1)	M
Alkalinity (Bicarbo											IS
Alkalinity (Carbon											IS
Alkalinity (Total)											IS
Ammonia											AS
Chloride	35059	8	7.900	98.8	35059	8	7.900	98.8	7.900	98.8	IC
Nitrate-N	35059	1	0.980	98.0	35059	1	0.960	96.0	1.000	100.0	IC
Sulfate	35059	8	7.900	98.8	35059	8	7.800	97.5	7.900	98.8	IC
Sulfide											T

ICV IDs: IC= ICV873248

CCV1 IDs: IC= CCV873245

CCV2 IDs: IC= CCV873246

(1) Control Limits: TOC: 75-125

Comments:

110810 1443

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3

BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Preparation Blank Matrix (water/soil): WATER
WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): mg/L
Percent R

Analyte	Initial Calib. Blank (MG/L)	C	Continuing Calibration Blank (MG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Bicarbonate)									1	U	IS
Alkalinity (Carbonate)											IS
Alkalinity (Total)									1	U	IS
Ammonia	0.25	U	0.25	U					0.25	U	AS
Chloride	1	U	1	U					1	U	IC
Nitrate-N	0.5	U	0.5	U					0.065	J	IC
Sulfate	1	U	1	U					1	U	IC
Sulfide									2	U	T

Surrogate	Recovery	Control Limits	Qualifier
Dichloroacetate - DCA	100.0	90 - 115	

ICB IDs: AS= 42107ICB, IC= ICB873238

CCB1 IDs: AS= 42112CCB, IC= CCB873236

CCB2 IDs:

CCB3 IDs:

110810 1443

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3

BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Preparation Blank Matrix (water/soil): WATER
WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): MG/L
Percent R

Analyte	Initial Calib. Blank (MG/L)	C	Continuing Calibration Blank (MG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Bicarbonate)									1	U	IS
Alkalinity (Carbonate)											IS
Alkalinity (Total)									1	U	IS
Ammonia											AS
Chloride	1	U	1	U	1	U			1	U	IC
Nitrate-N	0.044	J	0.5	U	0.5	U			0.5	U	IC
Sulfate	1	U	1	U	1	U			1	U	IC
Sulfide									2	U	T

Surrogate	Recovery	Control Limits	Qualifier
Dichloroacetate - DCA	96.0	90 - 115	

ICB IDs: IC= ICB873247

CCB1 IDs: IC= CCB873243

CCB2 IDs: IC= CCB873244

CCB3 IDs:

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3

BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): MG/L

Analyte	Initial Calib. Blank (MG/L)	C	Continuing Calibration Blank (MG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Bicarbonate)											IS
Alkalinity (Carbonate)											IS
Alkalinity (Total)											IS
Ammonia											AS
Chloride											IC
Nitrate-N											IC
Sulfate											IC
Sulfide									2	U	T

ICB IDs:

CCB1 IDs:

CCB2 IDs:

CCB3 IDs:

110810 1443

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5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

ST106-MS-10625-20072010

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0

Concentration Units (mg/L or mg/kg): MG/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Alkalinity (Bicarbonate)	75 - 125	294		104		200	95		IS
Alkalinity (Carbonate)	-	0		0		200	95		IS
Alkalinity (Total)	75 - 125	294		104		200	95		IS
Ammonia	90 - 110	8.36		0.250	U	8.00	104.3		AS
Chloride	85 - 125	28.9		25.4		4.00	87.5		IC
Dichloroacetate - DCA	-								NR
Nitrate-N	85 - 125	1.00		0.530		0.500	94		IC
Sulfate	85 - 125	65.2		62.7		4.00	62.5	N	IC
Sulfide	75 - 125	5.21		0.200	J	5.00	100.2		T

Comments:

110810 1443

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5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

ST106-MS-10625-20072010RE1

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0

Concentration Units (mg/L or mg/kg): MG/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Alkalinity (Bicarbonate)	-								NR
Alkalinity (Carbonate)	-								NR
Alkalinity (Total)	-								NR
Ammonia	-								NR
Chloride	85 - 125	29.3		25.4		4.00	97.5		IC
Dichloroacetate - DCA	-								NR
Nitrate-N	85 - 125	1.00		0.520		0.500	96		IC
Sulfate	85 - 125	66.3		62.8		4.00	87.5		IC
Sulfide	-								NR

Comments:

110810 1443

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

ST106-MSD-10625-20072010

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0

Concentration Units (mg/L or mg/kg): MG/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Alkalinity (Bicarbonate)	75 - 125	286		104		200	91		IS
Alkalinity (Carbonate)	75 - 125	0		0		200	91		IS
Alkalinity (Total)	75 - 125	286		104		200	91		IS
Ammonia	90 - 110	8.35		0.250	U	8.00	104.2		AS
Chloride	85 - 125	29.1		25.4		4.00	92.5		IC
Dichloroacetate - DCA	-								NR
Nitrate-N	85 - 125	1.00		0.530		0.500	94		IC
Sulfate	85 - 125	66.0		62.7		4.00	82.5	N	IC
Sulfide	75 - 125	4.81		0.200	J	5.00	92.2		T

Comments:

110810 1443

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

ST106-MSD-10625-20072010RE1

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0

Concentration Units (mg/L or mg/kg): MG/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Alkalinity (Bicarbonate)	-								NR
Alkalinity (Carbonate)	-								NR
Alkalinity (Total)	-								NR
Ammonia	-								NR
Chloride	85 - 125	29.3		25.4		4.00	97.5		IC
Dichloroacetate - DCA	-								NR
Nitrate-N	85 - 125	1.00		0.520		0.500	96		IC
Sulfate	85 - 125	66.5		62.8		4.00	92.5		IC
Sulfide	-								NR

Comments:

110810 1443

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

072110LCSD

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): MG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chloride	10	3.9		3.9		0.0		IC
Nitrate-N	10	0.48		0.48		0.0		IC
Sulfate	10	3.8		3.8		0.0		IC

Comments:

110810 1443

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

072210LCSD

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): MG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chloride	10	7.9		7.9		0.0		IC
Nitrate-N	10	0.95		0.96		1.0		IC
Sulfate	10	7.8		7.8		0.0		IC

Comments:

110810 1443

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

42110LCSD

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Ammonia	10	7.97		7.89		1.0		AS

Comments:

110810 1443

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

42166LCSD

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): MG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Sulfide	20	5.61		5.21		7.4		T

Comments:

110810 1443

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

42805LCSD

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): MG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Alkalinity (Bicarbonate)	20	45		46		2.2		IS
Alkalinity (Total)	20	45		46		2.2		IS

Comments:

110810 1443

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

ST106-MSD-10625-20072010

Lab Name: PEL, Spectrum Analytical Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): MG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Alkalinity (Bicarbonate)	20	294		286				IS
Alkalinity (Carbonate)	20	0		0				IS
Alkalinity (Total)	20	294		286				IS
Ammonia	10	8.36		8.35		0.1		AS
Chloride	10	28.9		29.1		0.7		IC
Nitrate-N	10	1		1		0.0		IC
Sulfate	10	65.2		66		1.2		IC
Sulfide	20	5.21		4.81		8.0		T

Comments:

110810 1443

U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

072110LCS

Lab Name: PEL, Spectrum Analytica Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: (soil/water) WATER

Concentration Units: (MG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Chloride	35059	IC	90	110	4	3.9	97.6	
Nitrate-N	35059	IC	90	110	0.5	0.48	96	J
Sulfate	35059	IC	90	110	4	3.8	95	

Comments:

110810 1443

U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

072110LCSD

Lab Name: PEL, Spectrum Analytica Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: (soil/water) WATER

Concentration Units: (MG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Chloride	35059	IC	90	110	4	3.9	97.6	
Nitrate-N	35059	IC	90	110	0.5	0.48	96	J
Sulfate	35059	IC	90	110	4	3.8	95	

Comments:

110810 1443

U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

072210LCS

Lab Name: PEL, Spectrum Analytica Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: (soil/water) WATER

Concentration Units: (MG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Chloride	35059	IC	90	110	8	7.9	98.8	
Nitrate-N	35059	IC	90	110	1	0.95	95	
Sulfate	35059	IC	90	110	8	7.8	97.5	

Comments:

110810 1443

U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

072210LCSD

Lab Name: PEL, Spectrum Analytica Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: (soil/water) WATER

Concentration Units: (MG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Chloride	35059	IC	90	110	8	7.9	98.8	
Nitrate-N	35059	IC	90	110	1	0.96	96	
Sulfate	35059	IC	90	110	8	7.8	97.5	

Comments:

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U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

42109LCS

Lab Name: PEL, Spectrum Analytica Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: (soil/water) WATER

Concentration Units: (mg/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Ammonia	29155	AS	90	110	8	7.97	99.6	

Comments:

110810 1443

U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

42110LCSD

Lab Name: PEL, Spectrum Analytica Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: (soil/water) WATER

Concentration Units: (mg/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Ammonia	29155	AS	90	110	8	7.89	98.6	

Comments:

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U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

42165LCS

Lab Name: PEL, Spectrum Analytica Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: (soil/water) WATER

Concentration Units: (MG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Sulfide	35765	T	80	120	5	5.61	112.2	

Comments:

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U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

42166LCSD

Lab Name: PEL, Spectrum Analytica Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: (soil/water) WATER

Concentration Units: (MG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Sulfide	35765	T	80	120	5	5.21	104.2	

Comments:

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U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

42804LCS

Lab Name: PEL, Spectrum Analytica Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: (soil/water) WATER

Concentration Units: (MG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Alkalinity (Bicarbonate)	32667	IS	80	120	50	45	90	
Alkalinity (Total)	32667	IS	80	120	50	45	90	

Comments:

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U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

42805LCSD

Lab Name: PEL, Spectrum Analytica Contract: Kirtland AFB/ST106

Lab Code : PEL Case No. SAS No: SDG No.: 3500237

Matrix: (soil/water) WATER

Concentration Units: (MG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Alkalinity (Bicarbonate)	32667	IS	80	120	50	46	92	
Alkalinity (Total)	32667	IS	80	120	50	46	92	

Comments:

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METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Matrix: Water

Concentration Units: MG/L

PARAMETER	M	INSTRUMENT ID	DATE	CRDL	MDL	Raw MDL (UG/L)
Alkalinity (Bicarbonate)	IS	HACH	8/10/2006	1	0.5	0.5
Alkalinity (Carbonate)	IS	HACH	8/8/2003	1	0.5	0.5
Alkalinity (Total)	IS	HACH	1/10/2007	1	0.5	0.5
Ammonia	AS	LACHAT	6/4/2009	0.25	0.05	0.05
Chloride	IC	IC	3/23/2010	1	0.34	0.34
Nitrate-N	IC	IC	3/17/2010	0.5	0.036	0.036
Sulfate	IC	IC	3/17/2010	1	0.32	0.32
Sulfide	T	HACH	5/1/2006	2	0.08	0.08

Comments:

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ANALYSIS RUN LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID Number : IC Method : IC

Start Date : 6/15/2010 End Date : 7/22/2010

EPA Sample No.	D/F	Time	%R	Analytes: Chloride Dichloroacetate - DCA Nitrate-N Sulfate
OICAL1	1	15:30		X
OICAL2	1	15:48		X
OICAL3	1	16:06		X
OICAL4	1	16:24		X
OICAL5	1	16:43		X
OICAL6	1	17:01		X
OICAL7	1	17:19		X
ICV873239	1	18:04		X
ICB873238	1	18:23		X
072110MB	1	18:41		X
072110LCS	1	18:59		X
072110LCSD	1	19:17		X
ST106-FD-10625-20072010	1	19:36		X
ST106-GW-10625-20072010	1	19:54		X
ST106-MS-10625-20072010	1	20:12		X
ST106-MSD-10625-20072010	1	20:30		X
ST106-GW-10626-20072010	1	20:48		X
CCV873237	1	21:07		X
CCB873236	1	21:25		X
ICV873248	1	12:28		X
ICB873247	1	12:46		X
072210MB	1	13:12		X
072210LCS	1	13:30		X
072210LCSD	1	13:49		X
ZZZZZZ	1	14:07		
ZZZZZZ	1	14:25		
ZZZZZZ	1	14:43		
ZZZZZZ	1	15:02		
ST106-GW-10625-20072010	1	15:20		X
CCV873245	1	15:38		X
CCB873243	1	15:56		X
ST106-MS-10625-20072010R	1	16:15		X
ST106-MSD-10625-20072010	1	16:33		X
CCV873246	1	16:51		X
CCB873244	1	17:09		X

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14

ANALYSIS RUN LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID Number : HACH Method : IS

Start Date : 8/2/2010 End Date : 8/2/2010

EPA Sample No.	D/F	Time	%R	Analytes: Alkalinity (Total) Alkalinity (Carbonate) Alkalinity (Bicarbonate)
CB	1	15:00		X
QC	1	15:02		X
42806MB	1	15:05		X
42804LCS	1	15:07		X
42805LCSD	1	15:10		X
ST106-FD-10625-20072010	5	15:14		X
ST106-GW-10625-20072010	4	15:17		X
ST106-MS-10625-20072010	4	15:20		X
ST106-MSD-10625-20072010	4	15:23		X
ST106-GW-10626-20072010	4	15:26		X
ZZZZZZ	1	15:29		
ZZZZZZ	1	15:33		
ZZZZZZ	1	15:36		
ZZZZZZ	1	15:39		
42808MB	1	15:41		X

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14

ANALYSIS RUN LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID Number : LACHAT Method : AS

Start Date : 7/23/2010 End Date : 7/23/2010

EPA Sample No.	D/F	Time	%R	Analytes: Ammonia
CAL01	1	15:35		X
CAL02	2.5	15:37		X
CAL03	10	15:40		X
CAL04	20	15:42		X
CAL05	50	15:45		X
CAL06	100	15:47		X
CAL07	1	15:49		X
42106ICV	1	15:56		X
42107ICB	1	15:58		X
42108MB	1	16:00		X
42109LCS	1	16:01		X
42110LCSD	1	16:02		X
ZZZZZZ	1	16:03		
ZZZZZZ	1	16:04		
ST106-FD-10625-20072010	1	16:05		X
ST106-GW-10625-20072010	1	16:06		X
ST106-MS-10625-20072010	1	16:08		X
ST106-MSD-10625-20072010	1	16:09		X
ST106-GW-10626-20072010	1	16:10		X
ZZZZZZ	1	16:11		
ZZZZZZ	1	16:12		
42111CCV	1	16:13		X
42112CCB	1	16:16		X

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14

ANALYSIS RUN LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: Kirtland AFB/ST106

Lab Code : PEL Case No.: SAS No: SDG No.: 3500237

Instrument ID Number : HACH Method : T

Start Date : 7/26/2010 End Date : 7/26/2010

EPA Sample No.	D/F	Time	%R	Analytes: Sulfide
QC	1	11:10		X
42167MB	1	11:14		X
42165LCS	1	11:16		X
42166LCSD	1	11:19		X
ST106-FD-10625-20072010	1	11:25		X
ST106-GW-10625-20072010	1	11:29		X
ST106-MS-10625-20072010	1	11:35		X
ST106-MSD-10625-20072010	1	11:40		X
ST106-GW-10626-20072010	1	11:44		X
ZZZZZZ	1	11:49		
ZZZZZZ	1	11:53		
ZZZZZZ	1	11:57		
ZZZZZZ	1	12:03		
ZZZZZZ	1	12:07		
42169MB	1	12:10		X
ZZZZZZ	1	12:12		
ZZZZZZ	1	12:15		
ZZZZZZ	1	12:17		
ZZZZZZ	1	12:22		
ZZZZZZ	1	12:27		
ZZZZZZ	1	12:30		
ZZZZZZ	1	12:34		
42170MB	1	12:37		X

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Chain of Custody Documentation

110810 1443

1 of 2 coolers

3500237

PEL

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

TAT- Indicate Date Needed: _____

- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
314 355-3024
Shane.Lowe@cham.com
cc
Ben.Moayyad@cham.com
Project Mgr.: _____

Invoice To: ST106 Q3 GW 2010
TO 96
APinvoices@cham.com
P.O. No.: 936127 RQN: _____

Project No.: 382698.02.FF.07.09
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): P. Governor

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= ICE 10= NaOH+ZnAct 11= _____

List preservative code below: 9 9 2 2 9 3 4 10

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other See QAPP

State specific reporting standards: _____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		8015B-DRO	8011-EDB	8260B-VOCs	8015B-GRO	E300 Anions E310 Alk	E350 Ammonia	6010D metals Mn Fe	E376 sulfate sulfide	
ST106-FD	10625-20072010	7-20-10	1030	G	GW	9	1		5		1	3	3	3	2	1	1	1	-01
ST106-GW	10625-20072010		1045			9	1		5		1	3	3	3	2	1	1	1	-02
ST106-MS	10625-20072010		1045			9	1		5		1	3	3	3	2	1	1	1	-03
ST106-MSD	10625-20072010		1045			9	1		5		1	3	3	3	2	1	1	1	-04
ST106-GW	10626-20072010		1440			9	1		5		1	3	3	3	2	1	1	1	-05
ST106-TB	13-20072010		0700			2							1	1					-06

☐ E-mail to _____

EDD Format pH<2 8260/8015G/6010D/350.1; pH>9 376.1; no double amber

Relinquished by:	Received by:	Date:	Time:
[signature]		7-20-10	1600
	[signature]	7/21/10	1005

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 5.0/4.8

3500237

279

From: Origin ID: ABQA (505)884-5600
Ben Moayyad
CH2M HILL
4041 Jefferson Plaza NE
Suite #200
Albuquerque, NM 87109

C101110082162124

Ship Date: 20JUL10
ActWgt: 50 LB
CAD: 6282124/WBUS0200
Dims: 34 X 16 X 18 IN

Delivery Address Bar Code

Ref # 382698.02.FF.07.09/INC00033426
Invoice #
PO #
Dept #

SHIP TO: (813)888-9507 **BILL SENDER**

Darcy Weisman
PEL
8405 Benjamin Road
Suite A
Tampa, FL 33634

TRK# 0201 7903 5228 1951

WED - 21JUL **A1**
PRIORITY OVERNIGHT

33634
FL-US
TPA

XH TPFA

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To prepare your package for shipment, you need to do the following:

1. **Use the Print button in your browser to print this page to your laser printer.**
2. **Fold the first printed page in half and use as the shipping label. The second page is for your records, and contains both the terms and conditions of shipping, and information useful for tracking your package.**
3. **After printing the label, place it in a waybill pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.**

From: Origin ID: ABQA (505)884-5600
Ben Moayyad
CH2M HILL
4041 Jefferson Plaza NE
Suite #200
Albuquerque, NM 87109

FedEx Express

C10111002162124

Ship Date: 20JUL10
ActWgt: 50 LB
CAD: 6282124/WBUS0200
Dims: 34 X 16 X 18 IN

Delivery Address Bar Code

Ref # 382698.02.FF.07.09/INC00033426
Invoice #
PO #
Dept #

SHIP TO: (813)888-9507 **BILL SENDER**

Darcy Weisman
PEL
8405 Benjamin Road
Suite A
Tampa, FL 33634

TRK# 0201 7909 5227 4636

WED - 21JUL **A1**
PRIORITY OVERNIGHT

33634
FL-US
TPA

XH TPFA

FedEx Shipping Label

To prepare your package for shipment, you need to do the following:

1. **Use the Print button in your browser to print this page to your laser printer.**
2. **Fold the first printed page in half and use as the shipping label. The second page is for your records, and contains both the terms and conditions of shipping, and information useful for tracking your package.**
3. **After printing the label, place it in a waybill pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.**

PEL, a Division of Spectrum Analytical, Inc.

pH LOG SHEET

Work Order # 3500237

By JK

Client / Project Name CH2MHILL Kirtland

Date 7/21/10

PEL Sample Number	H_2SO_4 (pH<2) 350.1		HNO_3 (pH<2) 6010D		NaOH (pH>12)		ZnAC/NaOH (pH>9) 376.1		HCl (pH<2) 8260/8015G		Other _____ pH _____	
	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH
01	1	<2	1	<2			1	>9	6	<2		
02	↓	↓	↓	↓			↓	↓	↓	↓		
03												
04												
05												
06	—	—	—	—			—	—	2	—		
07												
08												
09												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

W:\Login\pH LOG SHEET REV 4.doc

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	3500237	**Req:**	90816
Client:	CH2M Hill	**Project:**	SS111 (TO-260), ST106 (TO-313, 96,
Level:	4	**Date Rec'd:**	7/21/2010 10:05:00 AM
Rec'd via:	Fed-Ex	**Due Date:**	8/4/2010

Sample Verification

Samples/Cooler Secure?	Yes	**All Samples on COC accounted For?**	Yes
Temperature of Samples(Celsius)	4.8/5.0C	**All Samples Rec'd Intact?**	Yes
pH Verified?	Yes	**Sample Vol. Sufficient For Analysis**	Yes
pH WNL?	Yes	**Samples Rec'd W/I Hold Time?**	Yes
Soil Origin (Domestic/Foreign):		**Are All Samples to be Analyzed?**	Yes
Site Location/Project on COC?	Yes	**Correct Sample Containers?**	Yes
Client Project # on COC?	Yes	**COC Comments written on COC?**	Yes
Project Mgr. Indicated on COC?	Yes	**Samplers Initials on COC?**	Yes
COC relinquished/Dated by Client?	Yes	**Sample Date/Time Indicated?**	Yes
COC Received/Dated by PEL?	Yes	**TAT Requested:**	STD
Specific Subcontract Indicated?	No	**Client Requests Verbal Results?**	No
Samples Received By	Fed-Ex	**Client Requests Faxed Results?**	No
PEL to Conduct ALL Analyses?	Yes		
Radioactivity Check?	No		
COC Present?	Yes		

PEER REVIEW

Wednesday, July 21, 2010

Client: CH2M Hill

WONo: 3500237 Profile Name: Kirtland AFB Profile #: 90816

MATRIX W

Sample #	Bottle	Parameter		Check	Received	Date
01	013	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Ja Kim	7/21/2010 12:18:08 PM
01	013	300.1	Determination of Inorganic Anions by Ion Chromatography	Out	Sherry Stilley	7/21/2010 4:59:52 PM
01	013	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Sherry Stilley	7/21/2010 5:48:20 PM
01	013	300.1	Determination of Inorganic Anions by Ion Chromatography	Out	Sherry Stilley	7/22/2010 11:40:15 AM
01	013	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Sherry Stilley	7/22/2010 12:37:02 PM
01	006	310.1	Alkalinity (Total)	In	Russell Stallone	7/21/2010 5:59:47 PM
01	006	310.1	Alkalinity (Total)	Out	Gerson Galvis	7/30/2010 6:35:18 AM
01	006	310.1	Alkalinity (Total)	In	Gerson Galvis	7/30/2010 10:20:45 AM
01	006	310.1	Alkalinity (Total)	Out	Gerson Galvis	8/2/2010 2:35:32 PM
01	006	310.1	Alkalinity (Total)	In	Gerson Galvis	8/2/2010 3:50:46 PM
01	002	350.1	Ammonia	In	Russell Stallone	7/21/2010 6:00:08 PM
01	002	350.1	Ammonia	Out	Joe Harrington	7/23/2010 1:34:13 PM
01	002	350.1	Ammonia	In	Joe Harrington	7/23/2010 5:48:25 PM
01	005	376.1	Sulfide	In	Russell Stallone	7/21/2010 5:59:28 PM
01	005	376.1	Sulfide	Out	Gerson Galvis	7/26/2010 9:46:39 AM
01	005	376.1	Sulfide	In	Gerson Galvis	7/26/2010 1:22:44 PM
01	004	6010_D	Dissolved Metals	In	Russell Stallone	7/21/2010 6:00:38 PM
01	004	6010_D	Dissolved Metals	Out	Andrea Bowman	7/22/2010 3:42:13 PM
01	004	6010_D	Dissolved Metals	In	Andrea Bowman	7/22/2010 4:41:16 PM
01	009	8011	EDB	In	Russell Stallone	7/21/2010 5:33:30 PM
01	003	8011	EDB	In	Russell Stallone	7/21/2010 5:33:32 PM
01	007	8011	EDB	In	Russell Stallone	7/21/2010 5:33:34 PM

01	009	8011	EDB	Out	Tyler Colcord	7/26/2010 8:42:35 AM
01	003	8011	EDB	Out	Tyler Colcord	7/26/2010 12:48:32 PM
01	003	8011	EDB	In	Tyler Colcord	7/26/2010 2:54:35 PM
01	009	8011	EDB	In	Tyler Colcord	7/26/2010 2:54:40 PM
01	008	8015	DRO	In	Ja Kim	7/21/2010 1:57:02 PM
01	008	8015	DRO	Consumed	Devon Thompson	7/21/2010 2:00:26 PM
01	010	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:12 PM
01	014	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:14 PM
01	012	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:15 PM
01	014	8015G	GRO	Consumed	Kevin Siuda	7/26/2010 10:00:56 AM
01	015	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:01 PM
01	001	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:05 PM
01	011	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:07 PM
01	011	8260	Volatile Organic Compounds	Consumed	Marcell Stephens	7/27/2010 9:37:01 AM
02	006	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Ja Kim	7/21/2010 12:18:07 PM
02	006	300.1	Determination of Inorganic Anions by Ion Chromatography	Out	Sherry Stilley	7/21/2010 5:00:03 PM
02	006	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Sherry Stilley	7/21/2010 5:48:13 PM
02	006	300.1	Determination of Inorganic Anions by Ion Chromatography	Out	Sherry Stilley	7/22/2010 9:50:10 AM
02	006	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Sherry Stilley	7/22/2010 10:31:55 AM
02	014	310.1	Alkalinity (Total)	In	Russell Stallone	7/21/2010 5:59:49 PM
02	014	310.1	Alkalinity (Total)	Out	Gerson Galvis	7/30/2010 6:35:23 AM
02	014	310.1	Alkalinity (Total)	In	Gerson Galvis	7/30/2010 10:20:47 AM
02	014	310.1	Alkalinity (Total)	Out	Gerson Galvis	8/2/2010 2:35:35 PM
02	014	310.1	Alkalinity (Total)	In	Gerson Galvis	8/2/2010 3:50:48 PM
02	005	350.1	Ammonia	In	Russell Stallone	7/21/2010 6:00:10 PM

02	005	350.1	Ammonia	Out	Joe Harrington	7/23/2010 1:34:16 PM
02	005	350.1	Ammonia	In	Joe Harrington	7/23/2010 5:48:27 PM
02	008	376.1	Sulfide	In	Russell Stallone	7/21/2010 5:59:29 PM
02	008	376.1	Sulfide	Out	Gerson Galvis	7/26/2010 9:46:42 AM
02	008	376.1	Sulfide	In	Gerson Galvis	7/26/2010 1:22:50 PM
02	007	6010_D	Dissolved Metals	In	Russell Stallone	7/21/2010 6:00:40 PM
02	007	6010_D	Dissolved Metals	Out	Andrea Bowman	7/22/2010 3:41:58 PM
02	007	6010_D	Dissolved Metals	In	Andrea Bowman	7/22/2010 4:41:21 PM
02	002	8011	EDB	In	Russell Stallone	7/21/2010 5:33:37 PM
02	003	8011	EDB	In	Russell Stallone	7/21/2010 5:33:39 PM
02	001	8011	EDB	In	Russell Stallone	7/21/2010 5:33:40 PM
02	002	8011	EDB	Out	Tyler Colcord	7/26/2010 8:42:41 AM
02	002	8011	EDB	In	Tyler Colcord	7/26/2010 2:54:44 PM
02	010	8015	DRO	In	Ja Kim	7/21/2010 1:56:58 PM
02	010	8015	DRO	Consumed	Devon Thompson	7/21/2010 2:00:54 PM
02	009	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:17 PM
02	004	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:20 PM
02	015	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:21 PM
02	004	8015G	GRO	Consumed	Kevin Siuda	7/26/2010 10:00:59 AM
02	013	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:09 PM
02	011	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:11 PM
02	012	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:13 PM
02	013	8260	Volatile Organic Compounds	Consumed	Marcell Stephens	7/27/2010 9:37:05 AM
02	011	8260	Volatile Organic Compounds	Consumed	Marcell Stephens	7/27/2010 12:55:37 PM
03	009	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Ja Kim	7/21/2010 12:18:06 PM
03	009	300.1	Determination of Inorganic Anions by Ion Chromatography	Out	Sherry Stilley	7/21/2010 5:00:00 PM
03	009	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Sherry Stilley	7/21/2010 5:48:10 PM

03	009	300.1	Determination of Inorganic Anions by Ion Chromatography	Out	Sherry Stilley	7/22/2010 9:50:05 AM
03	009	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Sherry Stilley	7/22/2010 10:31:48 AM
03	011	310.1	Alkalinity (Total)	In	Russell Stallone	7/21/2010 5:59:50 PM
03	011	310.1	Alkalinity (Total)	Out	Gerson Galvis	7/30/2010 6:35:24 AM
03	011	310.1	Alkalinity (Total)	In	Gerson Galvis	7/30/2010 10:20:48 AM
03	011	310.1	Alkalinity (Total)	Out	Gerson Galvis	8/2/2010 2:35:36 PM
03	011	310.1	Alkalinity (Total)	In	Gerson Galvis	8/2/2010 3:50:49 PM
03	007	350.1	Ammonia	In	Russell Stallone	7/21/2010 6:00:11 PM
03	007	350.1	Ammonia	Out	Joe Harrington	7/23/2010 1:34:08 PM
03	007	350.1	Ammonia	In	Joe Harrington	7/23/2010 5:48:11 PM
03	008	376.1	Sulfide	In	Russell Stallone	7/21/2010 5:59:30 PM
03	008	376.1	Sulfide	Out	Gerson Galvis	7/26/2010 9:46:43 AM
03	008	376.1	Sulfide	In	Gerson Galvis	7/26/2010 1:22:51 PM
03	012	6010_D	Dissolved Metals	In	Russell Stallone	7/21/2010 6:00:41 PM
03	012	6010_D	Dissolved Metals	Out	Andrea Bowman	7/22/2010 3:41:48 PM
03	012	6010_D	Dissolved Metals	In	Andrea Bowman	7/22/2010 4:41:23 PM
03	013	8011	EDB	In	Russell Stallone	7/21/2010 5:33:42 PM
03	014	8011	EDB	In	Russell Stallone	7/21/2010 5:33:44 PM
03	015	8011	EDB	In	Russell Stallone	7/21/2010 5:33:49 PM
03	013	8011	EDB	Out	Tyler Colcord	7/26/2010 8:42:46 AM
03	013	8011	EDB	In	Tyler Colcord	7/26/2010 2:54:47 PM
03	010	8015	DRO	In	Ja Kim	7/21/2010 1:57:00 PM
03	010	8015	DRO	Consumed	Devon Thompson	7/21/2010 2:01:18 PM
03	005	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:23 PM
03	002	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:26 PM
03	001	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:29 PM
03	002	8015G	GRO	Consumed	Kevin Siuda	7/26/2010 10:00:02 AM
03	006	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:16 PM
03	003	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:18 PM

03	004	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:21 PM
03	003	8260	Volatile Organic Compounds	Consumed	Marcell Stephens	7/27/2010 9:37:27 AM
03	004	8260	Volatile Organic Compounds	Consumed	Marcell Stephens	7/27/2010 9:37:30 AM
04	007	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Ja Kim	7/21/2010 12:18:09 PM
04	007	300.1	Determination of Inorganic Anions by Ion Chromatography	Out	Sherry Stilley	7/21/2010 5:00:10 PM
04	007	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Sherry Stilley	7/21/2010 5:48:16 PM
04	007	300.1	Determination of Inorganic Anions by Ion Chromatography	Out	Sherry Stilley	7/22/2010 9:50:01 AM
04	007	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Sherry Stilley	7/22/2010 10:31:51 AM
04	004	310.1	Alkalinity (Total)	In	Russell Stallone	7/21/2010 5:59:52 PM
04	004	310.1	Alkalinity (Total)	Out	Gerson Galvis	7/30/2010 6:35:26 AM
04	004	310.1	Alkalinity (Total)	In	Gerson Galvis	7/30/2010 10:20:49 AM
04	004	310.1	Alkalinity (Total)	Out	Gerson Galvis	8/2/2010 2:35:37 PM
04	004	310.1	Alkalinity (Total)	In	Gerson Galvis	8/2/2010 3:50:50 PM
04	005	350.1	Ammonia	In	Russell Stallone	7/21/2010 6:00:12 PM
04	005	350.1	Ammonia	Out	Joe Harrington	7/23/2010 1:34:19 PM
04	005	350.1	Ammonia	In	Joe Harrington	7/23/2010 5:48:14 PM
04	008	376.1	Sulfide	In	Russell Stallone	7/21/2010 5:59:32 PM
04	008	376.1	Sulfide	Out	Gerson Galvis	7/26/2010 9:46:44 AM
04	008	376.1	Sulfide	In	Gerson Galvis	7/26/2010 1:22:52 PM
04	006	6010_D	Dissolved Metals	In	Russell Stallone	7/21/2010 6:00:42 PM
04	006	6010_D	Dissolved Metals	Out	Andrea Bowman	7/22/2010 3:41:39 PM
04	006	6010_D	Dissolved Metals	In	Andrea Bowman	7/22/2010 4:41:25 PM
04	001	8011	EDB	In	Russell Stallone	7/21/2010 5:33:51 PM
04	003	8011	EDB	In	Russell Stallone	7/21/2010 5:33:52 PM
04	002	8011	EDB	In	Russell Stallone	7/21/2010 5:33:54 PM

04	001	8011	EDB	Out	Tyler Colcord	7/26/2010 8:42:53 AM
04	001	8011	EDB	In	Tyler Colcord	7/26/2010 2:54:49 PM
04	014	8015	DRO	In	Ja Kim	7/21/2010 1:56:57 PM
04	014	8015	DRO	Consumed	Devon Thompson	7/21/2010 2:01:46 PM
04	013	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:32 PM
04	015	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:34 PM
04	012	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:35 PM
04	015	8015G	GRO	Consumed	Kevin Siuda	7/26/2010 10:00:03 AM
04	009	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:23 PM
04	011	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:24 PM
04	010	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:28 PM
04	011	8260	Volatile Organic Compounds	Consumed	Marcell Stephens	7/27/2010 9:37:35 AM
04	009	8260	Volatile Organic Compounds	Consumed	Marcell Stephens	7/27/2010 9:37:38 AM
05	006	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Ja Kim	7/21/2010 12:18:10 PM
05	006	300.1	Determination of Inorganic Anions by Ion Chromatography	Out	Sherry Stilley	7/21/2010 5:00:08 PM
05	006	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Sherry Stilley	7/21/2010 5:48:07 PM
05	006	300.1	Determination of Inorganic Anions by Ion Chromatography	Out	Sherry Stilley	7/22/2010 11:40:11 AM
05	006	300.1	Determination of Inorganic Anions by Ion Chromatography	In	Sherry Stilley	7/22/2010 12:36:49 PM
05	010	310.1	Alkalinity (Total)	In	Russell Stallone	7/21/2010 5:59:53 PM
05	010	310.1	Alkalinity (Total)	Out	Gerson Galvis	7/30/2010 6:35:27 AM
05	010	310.1	Alkalinity (Total)	In	Gerson Galvis	7/30/2010 10:20:50 AM
05	010	310.1	Alkalinity (Total)	Out	Gerson Galvis	8/2/2010 2:35:39 PM
05	010	310.1	Alkalinity (Total)	In	Gerson Galvis	8/2/2010 3:50:51 PM
05	001	350.1	Ammonia	In	Russell Stallone	7/21/2010 6:00:13 PM

05	001	350.1	Ammonia	Out	Joe Harrington	7/23/2010 1:34:04 PM
05	001	350.1	Ammonia	In	Joe Harrington	7/23/2010 5:48:18 PM
05	002	376.1	Sulfide	In	Russell Stallone	7/21/2010 5:59:33 PM
05	002	376.1	Sulfide	Out	Gerson Galvis	7/26/2010 9:46:45 AM
05	002	376.1	Sulfide	In	Gerson Galvis	7/26/2010 1:22:53 PM
05	003	6010_D	Dissolved Metals	In	Russell Stallone	7/21/2010 6:00:43 PM
05	003	6010_D	Dissolved Metals	Out	Andrea Bowman	7/22/2010 3:41:28 PM
05	003	6010_D	Dissolved Metals	In	Andrea Bowman	7/22/2010 4:41:26 PM
05	004	8011	EDB	In	Russell Stallone	7/21/2010 5:33:56 PM
05	007	8011	EDB	In	Russell Stallone	7/21/2010 5:33:58 PM
05	014	8011	EDB	In	Russell Stallone	7/21/2010 5:34:00 PM
05	004	8011	EDB	Out	Tyler Colcord	7/26/2010 8:43:03 AM
05	004	8011	EDB	Out	Tyler Colcord	7/26/2010 8:43:08 AM
05	004	8011	EDB	In	Tyler Colcord	7/26/2010 2:54:51 PM
05	015	8015	DRO	In	Ja Kim	7/21/2010 1:56:59 PM
05	015	8015	DRO	Consumed	Devon Thompson	7/21/2010 2:01:54 PM
05	013	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:38 PM
05	005	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:40 PM
05	008	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:42 PM
05	005	8015G	GRO	Consumed	Kevin Siuda	7/26/2010 10:00:04 AM
05	012	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:30 PM
05	011	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:32 PM
05	009	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:34 PM
05	009	8260	Volatile Organic Compounds	Consumed	Marcell Stephens	7/27/2010 9:37:09 AM
06	002	8015G	GRO	In	Russell Stallone	7/21/2010 5:32:44 PM
06	002	8015G	GRO	Consumed	Kevin Siuda	7/26/2010 10:00:05 AM
06	001	8260	Volatile Organic Compounds	In	Russell Stallone	7/21/2010 5:31:36 PM
06	001	8260	Volatile Organic Compounds	Consumed	Marcell Stephens	7/27/2010 9:37:16 AM

Addendum

110810 1443

Letter of Acceptance

Customer Name: CH2M Hill

Date and Time Received: 7/21/2010 10:05:00 AM

Date to be Reported: 8/11/2010

Laboratory Submission Number/SDG: 3500237

Get Detailed Analyte List here: www.pelab.com/webdms/Default.asp?LoaSDG=3500237

Project: Kirtland AFB/ST106

Samples: The submission consisted of 6 samples, including QC, with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: 300.1, 310.1, 350.1, 376.1, 6010_D, 8011, 8015, 8015G, 8260.

Sample Custody/COC discrepancies:

None.

Notes:

None.

Distribution of Report to:

CH2M Hill
Attn: Daniel Moore

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

Log-in Report

Level: 4

Total of: 47 analyses on 29 samples (including QC) *30-Jul-10*

Report/SDG #: 3500237

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
ST106-FD-10625-20072010	350023701		W	7/20/2010 10:30:00 AM	7/21/2010 10:05:00 AM

Method		
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
350.1	Ammonia	350.1
376.1	Sulfide	376.1
6010_D	Dissolved Metals	6010
8011	EDB	8011
8015	DRO	8015
8015G	GRO	8015
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
ST106-GW-10625-20072010	350023702		W	7/20/2010 10:45:00 AM	7/21/2010 10:05:00 AM

Method		
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
350.1	Ammonia	350.1
376.1	Sulfide	376.1
6010_D	Dissolved Metals	6010
8011	EDB	8011
8015	DRO	8015
8015G	GRO	8015
8260	Volatile Organic Compounds	8260

Report/SDG #: 3500237

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
ST106-MS-10625-20072010	350023703		WQ	7/20/2010 10:45:00 AM	7/21/2010 10:05:00 AM

Method		
310.1	Alkalinity (Total)	310.1
350.1	Ammonia	350.1
376.1	Sulfide	376.1
6010_D	Dissolved Metals	6010
8011	EDB	8011
8015	DRO	8015
8015G	GRO	8015
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
ST106-MS-10625-20072010	350023703MS		WQ	7/20/2010 10:45:00 AM	7/21/2010 10:05:00 AM

Method		
300.1	Determination of Inorganic Anions by Ion	300.1

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
ST106-MSD-10625-20072010	350023704		WQ	7/20/2010 10:45:00 AM	7/21/2010 10:05:00 AM

Method		
310.1	Alkalinity (Total)	310.1
350.1	Ammonia	350.1
376.1	Sulfide	376.1
6010_D	Dissolved Metals	6010
8011	EDB	8011
8015	DRO	8015
8015G	GRO	8015
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
ST106-MSD-10625-20072010	350023704SD		WQ	7/20/2010 10:45:00 AM	7/21/2010 10:05:00 AM

Method		
300.1	Determination of Inorganic Anions by Ion	300.1

Report/SDG #: 3500237

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
ST106-GW-10626-20072010	350023705		W	7/20/2010 2:40:00 PM	7/21/2010 10:05:00 AM

Method		
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
350.1	Ammonia	350.1
376.1	Sulfide	376.1
6010_D	Dissolved Metals	6010
8011	EDB	8011
8015	DRO	8015
8015G	GRO	8015
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
ST106-TB-13-20072010	350023706		W	7/20/2010 7:00:00 AM	7/21/2010 10:05:00 AM

Method		
8015G	GRO	8015
8260	Volatile Organic Compounds	8260

Mark Gudnason

From: Mark Gudnason
Sent: Wednesday, July 28, 2010 4:56 PM
To: 'Shane.Lowe@ch2m.com'
Subject: FW: 3500237-8015-kirtland

Good afternoon.

From: Brian Spann
Sent: Wednesday, July 28, 2010 4:51 PM
To: Project Managers
Subject: 3500237-8015-kirtland

A. Blanks:

All acceptance criteria were met with the exception of:
Blank 41733MB was analyzed with the water samples extracted on 07/21/10. The following analyte(s) were detected below RL: TPH C10-C28 at 0.12 MG/L.
Samples coded accordingly.

B. Surrogates:

All acceptance criteria were met with the exception of:
Sample ST106-MSD-10625-20072010 was recovered below criteria for the following surrogate (s): o-Terphenyl Surrogate at 46.4 % with criteria of (50-150).

Samples coded accordingly.

C. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met with the exception of:
MS - ST106-MS-10625-20072010 was analyzed with the water samples extracted on 07/21/10. The following analyte(s) were recovered below criteria: TPH C10-C28 at 55 % with criteria of (70-130).

SD - ST106-MSD-10625-20072010 was analyzed with the water samples extracted on 07/21/10. The following analyte(s) were recovered below criteria: TPH C10-C28 at 39.1 % with criteria of (70-130).

Since the LCS met criteria no further action was taken. Samples coded accordingly.

Brian C. Spann
Lab Director, Tampa Division
PEL, a division of Spectrum Analytical, INC.
Office: 813.888.9507 x 224
Mobile: 813.503.9813
Website: www.PELAB.com

Darcy Weisman

From: Darcy Weisman
Sent: Friday, August 06, 2010 2:20 PM
To: 'Ben.Moayyad@CH2M.com'
Subject: FW: 3500237 (Kirtland) 6010_D

Thanks,
Darcy

Darcy Weisman
Project Manager, Tampa Division
direct: 813-476-2481
email: dweisman@pelab.com

In observance of Labor Day, PEL, a Division of Spectrum Analytical, Inc., will be closed Monday, September 6th.

From: Linda Lee Gates
Sent: Friday, August 06, 2010 12:56 PM
To: Project Managers
Subject: 3500237 (Kirtland) 6010_D

Samples were originally analyzed 07/23/10. Iron failed DOD acceptance criteria for the ICB and several CCBs. All samples were re-anzlyzed 08/05/10 where Iron and other analytes failed DOD acceptance criteria. All data reported from 07/23/10.

The following ICB/CCB(s) had element concentrations below the RL:
ICB872369 was analyzed on 07/23/10 09:59. The following analyte(s) were detected below RL: Iron at 29.6 UG/L, Magnesium at 15.8 UG/L, Manganese at -0.366 UG/L. Iron greater than 2X the MDL, data reported. Magnesium and Manganese less than 2X the MDL, therefore, no corrective action was taken.
CCB872723 was analyzed on 07/23/10 19:40. The following analyte(s) were detected below RL: Iron at 19.7 UG/L, Manganese at -0.407 UG/L. Iron greater than 2X the MDL, data reported. Manganese less than 2X the MDL, therefore, no corrective action was taken.
CCB872735 was analyzed on 07/23/10 20:33. The following analyte(s) were detected below RL: Iron at 23.3 UG/L, Manganese at -0.429 UG/L. Iron greater than 2X the MDL, data reported. Manganese less than 2X the MDL, therefore, no corrective action was taken.
CCB872747 was analyzed on 07/23/10 21:27. The following analyte(s) were detected below RL: Iron at 22.9 UG/L. Iron greater than 2X the MDL, data reported.

Linda Lee Gates
Inorganics Section Leader
Spectrum Analytical, Tampa Division
813-888-9507 X237 office

Darcy Weisman

From: Darcy Weisman
Sent: Monday, August 09, 2010 9:58 AM
To: 'Ben.Moayyad@CH2M.com'
Subject: FW: 3500237 / 8011 / Kirtland

Thanks,
Darcy

Darcy Weisman
Project Manager, Tampa Division
direct: 813-476-2481
email: dweisman@pelab.com

In observance of Labor Day, PEL, a Division of Spectrum Analytical, Inc., will be closed Monday, September 6th.

From: Lara Keene
Sent: Friday, August 06, 2010 3:01 PM
To: Project Managers
Subject: 3500237 / 8011 / Kirtland

1. **Laboratory Control Spikes (LCS)**

All acceptance criteria were met with the exception of:
LCS 42225LCSD was analyzed with the water samples extracted on 07/26/10. The following analyte(s) were recovered above criteria: 1,2-Dibromoethane(EDB) at 133 % with criteria of (70-130).

Since the analyte was slightly above control limits on one column and within control limits on the other in the LCSD and since the LCS was within control limits, no further action was taken.

Samples coded accordingly.

Darcy Weisman

From: Darcy Weisman
Sent: Tuesday, August 10, 2010 2:03 PM
To: 'Ben.Moayyad@CH2M.com'
Subject: FW: 3500237 (Kirtland) 300.1

Thanks,
Darcy

Darcy Weisman
Project Manager, Tampa Division
direct: 813-476-2481
email: dweisman@pelab.com

In observance of Labor Day, PEL, a Division of Spectrum Analytical, Inc., will be closed Monday, September 6th.

From: Linda Lee Gates
Sent: Thursday, August 05, 2010 3:05 PM
To: Project Managers
Cc: Troy Roberts
Subject: 3500237 (Kirtland) 300.1

The following samples were analyzed out of hold for Nitrate: ST106-GW-10625-20072010RE1, ST106-MS-10625-20072010RE1, ST106-MSD-10625-20072010RE1. The samples were initially analyzed within hold on 07/21/10. There were multiple surrogate failures and Sulfate exceeded acceptance limits in the MSD sample. All samples were re-analyzed 07/22/10 (approximately 6 hours out of hold) and both sets of data are reported.

ICB873247 was analyzed on 07/22/10 12:46. The following analyte(s) were detected below RL: Nitrate-N at 0.044 MG/L. Result below the RL, therefore, no corrective action was taken.

Blank 072110MB was analyzed with the water samples on 07/21/10. The following analyte(s) were detected below RL: Nitrate-N at 0.065 MG/L.
Samples coded accordingly. Result below the RL, therefore, no corrective action was taken.

Sample ST106-MSD-10625-20072010 was recovered below criteria for the following surrogate(s): Dichloroacetate - DCA at 68 % with criteria of (90-115).
Samples coded accordingly. The sample was re-analyzed due to the surrogate exceeding limits. Both sets of data are reported.

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met with the exception of:
MS - ST106-MS-10625-20072010 was analyzed with the water samples on 07/21/10. The following analyte(s) were recovered below criteria: Sulfate at 62.5 % with criteria of (85-125).

SD - ST106-MSD-10625-20072010 was analyzed with the water samples on 07/21/10. The following analyte(s) were recovered below criteria: Dichloroacetate - DCA at 68 % with criteria of (90-115), Sulfate at 82.5 % with criteria of (85-125).
Samples coded accordingly. These samples were re-analyzed and both sets of data are reported.

Linda Lee Gates
Inorganics Section Leader
Spectrum Analytical, Tampa Division
813-888-9507 X237 office

Darcy Weisman

From: Darcy Weisman
Sent: Tuesday, August 10, 2010 2:08 PM
To: 'Ben.Moayyad@CH2M.com'
Subject: FW: 3500237 (Kirtland) 310.1

Thanks,
Darcy

Darcy Weisman
Project Manager, Tampa Division
direct: 813-476-2481
email: dweisman@pelab.com

In observance of Labor Day, PEL, a Division of Spectrum Analytical, Inc., will be closed Monday, September 6th.

From: Linda Lee Gates
Sent: Thursday, August 05, 2010 2:39 PM
To: Project Managers
Cc: Troy Roberts
Subject: 3500237 (Kirtland) 310.1

Sample ST106-FD-10625-20072010 required a 5X dilution due to high concentration of the following analyte(s): Alkalinity (Bicarbonate), Alkalinity (Carbonate), Alkalinity (Total).

Samples ST106-GW-10625-20072010, ST106-GW-10626-20072010 required a 4X dilution due to high concentration of the following analyte(s): Alkalinity (Bicarbonate), Alkalinity (Carbonate), Alkalinity (Total).

Linda Lee Gates
Inorganics Section Leader
Spectrum Analytical, Tampa Division
813-888-9507 X237 office

Appendix

110810 1443

Raw Data Method 8260

IAL - 7-19-10 DI: ~~35585~~ 35589

MP

Um303 (S260150 30/H20)(M3071910C) 7/19/10 Auto IS - H20 Path

File	STD#	Surr/IS#	Amount	Client
BFB31	35653, 35585	35596, 34097	50mg	PEL-QC
SCC031	35032, 35051	35142	50 ppb	
SCC032	↓	↓	↓	
ACB1K01			5ml	
02			↓	
03				
200 ppt	35653, 35585 35032, 35051		200 ppt	
500 ppt			500 ppt	
1 ppb			1 ppb	
2 ppb			2 ppb	
5 ppb			5 ppb	
10 ppb			10 ppb	
20 ppb			20 ppb	
50 ppb			50 ppb	
60 ppb			60 ppb	
80 ppb			80 ppb	
SSC31	35654, 35586 35033, 35052		50 ppb	
SSC32				

Rev. by MSA 7/19/10

ICAL. 7-19-10

MST

VM503 (M3072710)(8260/5030/H2O) 7/27/10 Auto IS-H2O P.

vial	File	STD#S	Surr/IS#S	Amount	Client
	BFB31		35596, 34097	50ng	PeZ-GC
	50CW31	35653, 35585 35032, 35051	35142	50ppb	
	LC531	35654, 35586 35033, 35052	35596	20ppb	
	LC531D				
	SBLK31			5ml	
	BLK32				
1	3500 24704				(Arnold)
1	20201				(Kirtland)
1	02				
8	22801				
10	02				
2	03				
11	23701				
13	02				
9	05				
1	06				
	02D (5X) (8.6ml/43ml)				
1	19101				
9	02D (500X) (86ml/43ml)				
2	03D (10X) ~~10~~ (4.3ml/43ml)				
9	04D (500X) (86ml/43ml)				
3	23703D (M5)	35654, 35586 35033	(5X) (20ml/100ml)	20ppb	Kirtland
9	04D (50)				
~~1~~ TG mmf 7/27	XCBLK			5ml	SystemBlk
1	19103				
9	04 (20X)				
9	02 (20X)				

Rev'd by mmf 7/29/10

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29557	8260_IS	RESTEK	A068480	6/30/2014	1.5 ML	6/30/2009	mstephens
25000 UG/ML: 1,4-Dichlorobenzene-d4, Chlorobenzene d5, Fluorobenzene							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31814	8260_CEVECAL	CPI	147378	6/4/2011	1.2 mL	12/2/2009	mstephens
10000 MG/L: 2-Chloroethylvinyl ether							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31815	8260_CEVEQC	CPI	147381	6/4/2011	1.2 mL	12/2/2009	mstephens
10000 MG/L: 2-Chloroethylvinyl ether							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
33272	1,2,3-TMB_S	CPI	154230	12/20/2012	1.2 ML	3/12/2010	mstephens
10000 MG/L: 1,2,3-Trimethylbenzene							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
33402	8260Freons Secondary	CPI	155919	2/8/2012	2.4 ML	3/20/2010	mstephens
2000 MG/L: 2-Chloro-1,1,1-trifluoroethane, Chlorotrifluoroethylene							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
33567	MethanolP&Tgrade	Fisher	091688	4/5/2011	500 ML	4/5/2010	ksiuda
: Methanol							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34031	8260_R1CAL	CPI	157386	3/18/2011	1.2 ML	4/28/2010	mstephens

10000 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dibromochloromethane, Dibromomethane, ethyl tert-butyl ether, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl iodide, Methylene chloride, MTBE, m-Xylene, Naphthalene, n-Butylbenzene, n-hexane (C6), n-Propylbenzene, o-Xylene, p-Xylene, sec-Butylbenzene, Styrene, TERT-AMYL METHYL ETHER, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
20000 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34033	8260_R3CAL	CPI	157385	3/17/2012	1.2 ML	4/28/2010	mstephens

10000 UG/ML: 1,4-Dichloro-2-butene, Allyl chloride, Ethyl Ether, Ethyl methacrylate, Isopropyl Ether, Methyl methacrylate
100000 UG/ML: Acetonitrile, Cyclohexanone, Methacrylonitrile, Propionitrile, t-Butanol
20000 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34036	8260_W1CAL	CPI	157517	3/22/2012	1.2 ML	4/28/2010	mstephens

200000 UG/ML: 1,4 Dioxane, Isobutyl alcohol
400000 UG/ML: Ethanol

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34038	8260_R2CAL	CPI	146357	5/4/2011	1.2 ML	4/28/2010	mstephens

10000 UG/ML: 1-Chlorohexane, Benzyl chloride, Bromoethane, Chloroprene, Cyclohexane
200000 UG/ML: 3,3-Dimethyl-1-butanol, t-Amyl Alcohol , t-Butyl Formate

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34097	8260_INT_IS			10/30/2010	100 ML	4/30/2010	mstephens

UG/ML: Methanol
250 UG/ML: 1,4-Dichlorobenzene-d4, Chlorobenzene d5, Fluorobenzene

COMPOSED OF:

29557: 1 ML 33567: 99 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34232	8260_R4QC	NSI	042210-01	10/31/2010	1.2 ML	5/6/2010	mstephens

10000 UG/ML: Vinyl acetate

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34233	8260_B1QC	NSI	042210-01	10/31/2010	1 ML	5/6/2010	mstephens

40000 UG/ML: Acrolein, Acrylonitrile

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34234	8260_B1CAL	CPI	158438	10/19/2010	2.4 ML	4/27/2010	mstephens

40000 UG/ML: Acrolein, Acrylonitrile

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34238	Chloroprene QC	NSI	050510	5/31/2012	2 ML	5/6/2010	mstephens

10000 UG/ML: Chloroprene

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34241	8260_R2QC	NSI	050410-01	5/31/2012	1.2 ML	5/6/2010	mstephens

10000 UG/ML: 1-Chlorohexane, Benzyl chloride, Bromoethane, Cyclohexane
200000 UG/ML: 3,3-Dimethyl-1-butanol, t-Amyl Alcohol , t-Butyl Formate

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34242	8260_W1QC	NSI	042810-01	4/30/2012	1.2 ML	5/6/2010	mstephens

200000 UG/ML: 1,4 Dioxane, Isobutyl alcohol
400000 UG/ML: Ethanol

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34243	8260_W2QC	NSI	042710-01	4/30/2012	1.2 ML	5/6/2010	mstephens

10000 UG/ML: 1,4-Dichloro-2-butene, Allyl chloride, Ethyl Ether, Ethyl methacrylate, Isopropyl Ether, Methyl methacrylate
100000 UG/ML: Acetonitrile, Cyclohexanone, Methacrylonitrile, Propionitrile, t-Butanol
20000 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34244	8260_R1QC	CPI	146337	5/31/2011	1.2 ML	5/6/2010	mstephens

10000 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dibromochloromethane, Dibromomethane, ethyl tert-butyl ether, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl iodide, Methylene chloride, MTBE, m-Xylene, Naphthalene, n-Butylbenzene, n-hexane (C6), n-Propylbenzene, o-Xylene, p-Xylene, sec-Butylbenzene, Styrene, TERT-AMYL METHYL ETHER, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
20000 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34245	8260Freons Primary	CPI	153003	11/17/2011	2.4 ML	4/27/2010	mstephens

2000 MG/L: 2-Chloro-1,1,1-trifluoroethane, Chlorotrifluoroethylene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34551	MethanolP&Tgrade	Fisher	096181	5/21/2011	500 ML	5/21/2010	ksiuda

: Methanol

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34849	8260_SURR	ULTRA	CF-5308	1/31/2013	1 ML	6/8/2010	ksiuda

2506 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, Toluene d8

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34855	8260_SURR	ULTRA	CF-5308	1/31/2013	1 ML	6/8/2010	ksiuda

2506 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, Toluene d8

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34957	8021_5CAL	CPI	156866	3/7/2012	2.4 ML	6/11/2010	mstephens

2000 MG/L: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34958	8021_5QC	NSI	060410-02	6/30/2012	2.4 ML	6/11/2010	mstephens

2000 MG/L: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34960	1,2,3-TMB_S	NSI	060410-02	6/30/2012	1.2 ML	6/11/2010	mstephens

10000 MG/L: 1,2,3-Trimethylbenzene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35032	8260_Gases_P			12/15/2010	50 ML	6/15/2010	mstephens

UG/ML: Methanol
50 UG/ML: 1,1,2-Trichlorotrifluoroethane, 2-Chloro-1,1,1-trifluoroethane, Bromomethane, Chloroethane, Chloromethane, Chlorotrifluoroethylene, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

34245: 1.25 ML 34551: 47.5 ML 34957: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35033	8260_Gases_S			12/15/2010	50 ML	6/15/2010	mstephens

UG/ML: Methanol
50 UG/ML: 1,1,2-Trichlorotrifluoroethane, 2-Chloro-1,1,1-trifluoroethane, Bromomethane, Chloroethane, Chloromethane, Chlorotrifluoroethylene, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

33402: 1.25 ML 34551: 47.5 ML 34958: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35051	8260_CEVECAL			12/17/2010	10 ML	6/17/2010	mstephens

ug/L: Methanol
200000 ug/L: 2-Chloroethylvinyl ether

COMPOSED OF:

31814: 200 UL 34551: 9.8 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35052	8260_CEVEQC			12/17/2010	10 ML	6/17/2010	mstephens

ug/L: Methanol
200000 ug/L: 2-Chloroethylvinyl ether

COMPOSED OF:

31815: 200 UL 34551: 9.8 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35142	8260_INT_SURR			12/21/2010	10 ML	6/21/2010	mjacobs

UG/ML: Methanol
251 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, Toluene d8

COMPOSED OF:

34551: 9 ML 34855: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35584	8260_R4CAL	CPI	161609	10/6/2010	1.2 ML	7/13/2010	mstephens

10000 UG/ML: Vinyl acetate

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35585	8260_Add ons_P			10/6/2010	50 ML	7/13/2010	mstephens

UG/ML: Methanol
100 UG/ML: 1,2,3-Trimethylbenzene, Vinyl acetate
200 UG/ML: Acrolein, Acrylonitrile

COMPOSED OF:

33272: 0.5 ML 34234: 0.25 ML 34551: 48.75 ML 35584: 0.5 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35586	8260_Add ons_S			10/10/2010	50 ML	7/13/2010	mstephens

UG/ML: Methanol
100 UG/ML: 1,2,3-Trimethylbenzene, Vinyl acetate
200 UG/ML: Acrolein, Acrylonitrile

COMPOSED OF:

34232: 0.5 ML 34233: 0.25 ML 34551: 48.75 ML 34960: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35588	Sweet Bay Distilled Wate	Zephyrhills spring	WF233	2/1/2011	3.78 L	7/1/2010	mstephens

: Water

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35596	8260_INT_SURR			1/14/2011	100 ML	7/14/2010	mstephens

UG/ML: Methanol
25.1 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, Toluene d8

COMPOSED OF:

34551: 99 ML 34849: 1 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35653	8260_Main Mix_P			1/19/2011	50 ML	7/19/2010	mstephens

UG/ML: Methanol
100 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoethane, Bromoform, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl Ether, Ethyl methacrylate, ethyl tert-butyl ether, Ethylbenzene, Hexachlorobutadiene, Isopropyl Ether, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl iodide, Methyl methacrylate, Methylene chloride, MTBE, m-Xylene, Naphthalene, n-Butylbenzene, n-hexane (C6), n-Propylbenzene, o-Xylene, p-Xylene, sec-Butylbenzene, Styrene, TERT-AMYL METHYL ETHER, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
1000 UG/ML: Acetonitrile, Cyclohexanone, Methacrylonitrile, Propionitrile, t-Butanol
200 UG/ML: 2-Butanone, 2-Hexanone, 2-Nitropropane, 4-Methyl-2-pentanone, Acetone, Ethyl acetate, Tetrahydrofuran
2000 UG/ML: 1,4 Dioxane, 3,3-Dimethyl-1-butanol, Isobutyl alcohol, t-Amyl Alcohol , t-Butyl Formate
4000 UG/ML: Ethanol

COMPOSED OF:

34031: 0.5 ML 34033: 0.5 ML 34036: 0.5 ML 34038: 0.5 ML 34551: 48 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35654	8260_Main Mix_S			1/19/2011	50 ML	7/19/2010	mstephens

UG/ML: Methanol
100 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoethane, Bromoform, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl Ether, Ethyl methacrylate, ethyl tert-butyl ether, Ethylbenzene, Hexachlorobutadiene, Isopropyl Ether, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl iodide, Methyl methacrylate, Methylene chloride, MTBE, m-Xylene, Naphthalene, n-Butylbenzene, n-hexane (C6), n-Propylbenzene, o-Xylene, p-Xylene, sec-Butylbenzene, Styrene, TERT-AMYL METHYL ETHER, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
1000 UG/ML: Acetonitrile, Cyclohexanone, Methacrylonitrile, Propionitrile, t-Butanol
200 UG/ML: 2-Butanone, 2-Hexanone, 2-Nitropropane, 4-Methyl-2-pentanone, Acetone, Ethyl acetate, Tetrahydrofuran
2000 UG/ML: 1,4 Dioxane, 3,3-Dimethyl-1-butanol, Isobutyl alcohol, t-Amyl Alcohol , t-Butyl Formate
4000 UG/ML: Ethanol

COMPOSED OF:

34238: 0.5 ML 34241: 0.5 ML 34242: 0.5 ML 34243: 0.5 ML 34244: 0.5 ML 34551: 48 ML

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3071910NCC.b\BFB31NC.D
Lab Smp Id: 071910BFBA31 Client Smp ID: 071910BFBA31
Inj Date : 19-JUL-2010 05:35
Operator : Inst ID: vms03.i
Smp Info : 071910BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3071910NCC.b\BFBENC.m
Meth Date : 16-Jul-2010 10:49 lpelo Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
0.000	11.300	-11.300	95	92544			0.00- 100.00	100.00
0.000	11.300	-11.300	50	22176			15.00- 40.00	23.96
0.000	11.300	-11.300	75	47912			30.00- 60.00	51.77
0.000	11.300	-11.300	96	7407			5.00- 9.00	8.00
0.000	11.300	-11.300	173	798			0.00- 2.00	1.05
0.000	11.300	-11.300	174	76272			50.00- 100.00	82.42
0.000	11.300	-11.300	175	5801			5.00- 9.00	7.61
0.000	11.300	-11.300	176	74752			95.00- 101.00	98.01
0.000	11.300	-11.300	177	4965			5.00- 9.00	6.64

Data File: \\VMS03\DD\chem\vms03.i\M3071910NCC.b\BFB31NC.D

Date : 19-JUL-2010 05:35

Client ID: 071910BFBA31

Instrument: vms03.i

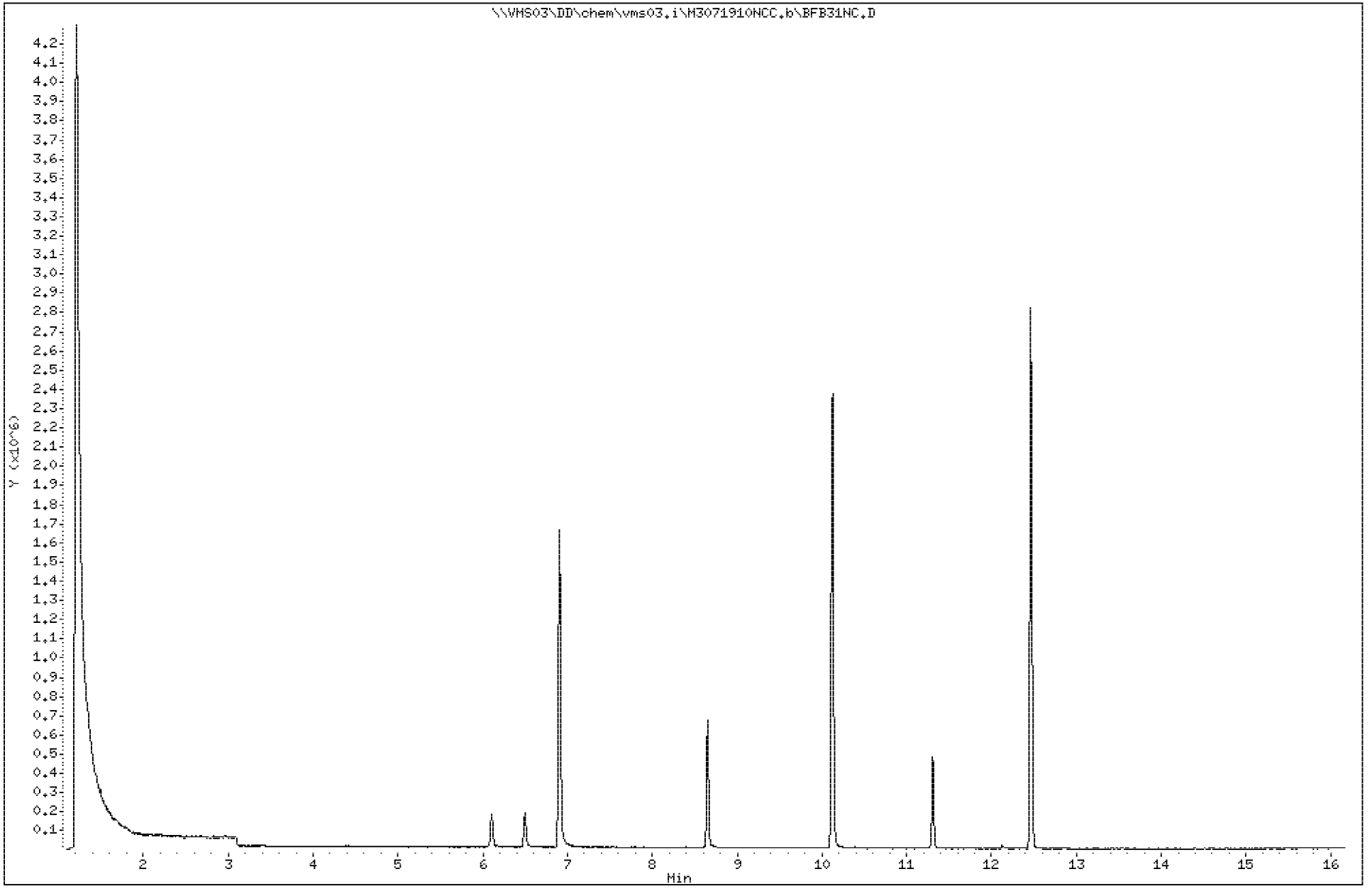
Sample Info: 071910BFBA31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3071910NCC.b\BFB31NC.D

Date : 19-JUL-2010 05:35

Client ID: 071910BFBA31

Instrument: vms03.i

Sample Info: 071910BFBA31

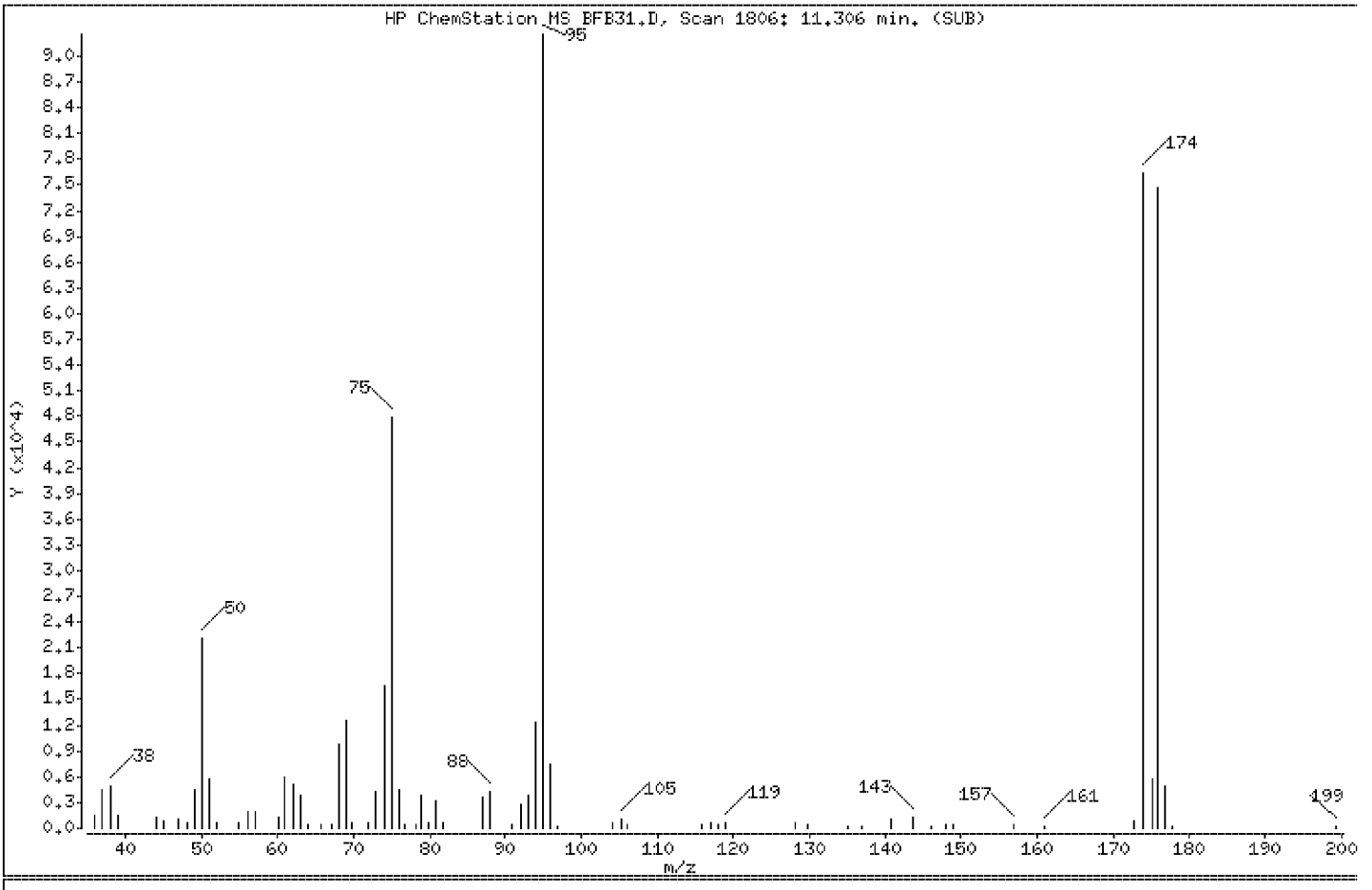
Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.96
75	30.00 - 60.00% of mass 95	51.77
96	5.00 - 9.00% of mass 95	8.00
173	Less than 2.00% of mass 174	0.86 (1.05)
174	50.00 - 100.00% of mass 95	82.42
175	5.00 - 9.00% of mass 174	6.27 (7.61)
176	95.00 - 101.00% of mass 174	80.77 (98.01)
177	5.00 - 9.00% of mass 176	5.37 (6.64)

Data File: \\VMS03\DD\chem\vms03.i\M3071910NCC.b\BFB31NC.D

Date : 19-JUL-2010 05:35

Client ID: 071910BFBA31 Instrument: vms03.i

Sample Info: 071910BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31NC.D
Spectrum: HP ChemStation MS BFB31.D, Scan 1806: 11.306 min. (SUB)
Location of Maximum: 95.00
Number of points: 70

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1532	63.00	3758	87.00	3674	135.00	254
37.00	4388	64.00	437	88.00	4217	137.00	298
38.10	4865	65.80	405	90.80	355	140.90	1127
39.00	1522	67.10	406	92.00	2660	143.60	1222
44.00	1185	68.00	9820	93.00	3927	146.00	260
45.10	887	69.00	12504	94.00	12372	148.00	354
47.10	1059	69.90	602	95.00	92544	149.00	442
48.10	613	72.00	567	96.00	7407	156.90	513
49.10	4440	73.00	4265	96.80	255	161.00	260
50.00	22176	74.00	16544	104.00	669	172.70	798
51.10	5668	75.00	47912	105.40	984	173.90	76272
52.00	689	76.00	4470	106.00	432	175.00	5801
54.90	691	76.80	320	115.90	526	175.90	74752
56.10	1927	78.10	395	117.10	570	176.90	4965
57.10	1855	78.90	3742	117.90	430	177.80	271
60.10	1209	79.90	695	118.90	628	199.30	255
61.00	5852	80.90	3222	128.10	566		
62.00	5163	81.90	742	129.80	400		

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Data file : \\VMS03\DD\chem\vms03.i\M3071910NCC.b\200PPTNC.D
Lab Smp Id: 200PPT Client Smp ID: 200PPT
Inj Date : 19-JUL-2010 08:45
Operator : Inst ID: vms03.i
Smp Info : 200PPT
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Meth Date : 21-Jul-2010 10:36 mstephens Quant Type: ISTD
Cal Date : 12-JUL-2010 11:08 Cal File: 80PPB.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 2 Xylenes (Total)	100				5200	0.20000	(a)
M 3 Trihalomethanes (Total)	100				4847	0.20000	(a)
32 Chloroform	83	5.907	5.907	(0.855)	3362	0.20000	0.23(a)
41 Benzene	78	6.555	6.555	(0.949)	5664	0.20000	0.18(a)
* 42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1493391	50.0000	
58 1,3-Dichloropropane	76	9.311	9.311	(0.920)	2039	0.20000	0.16(a)
60 Dibromochloromethane	129	9.546	9.546	(0.943)	1485	0.20000	0.19(a)
* 63 CHLOROBENZENE d5 (IS)	117	10.121	10.121	(1.000)	1281632	50.0000	
67 p,m-Xylene	106	10.393	10.393	(1.027)	5200	0.40000	0.36(a)
73 1,1,2,2-Tetrachloroethane	83	11.462	11.462	(0.919)	1586	0.20000	0.17(a)
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	709875	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 200PPTNC.D
Lab Smp Id: 200PPT
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 200PPT
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1493391	-6.61
63 CHLOROBENZENE d5	1329024	664512	2658048	1281632	-3.57
86 1,4-DICHLOROBENZE	751249	375625	1502498	709875	-5.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	-0.00
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	-0.00
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3071910NCC.b\200PPTNC.D

Date : 19-JUL-2010 08:45

Client ID: 200PPT

Instrument: vms03.i

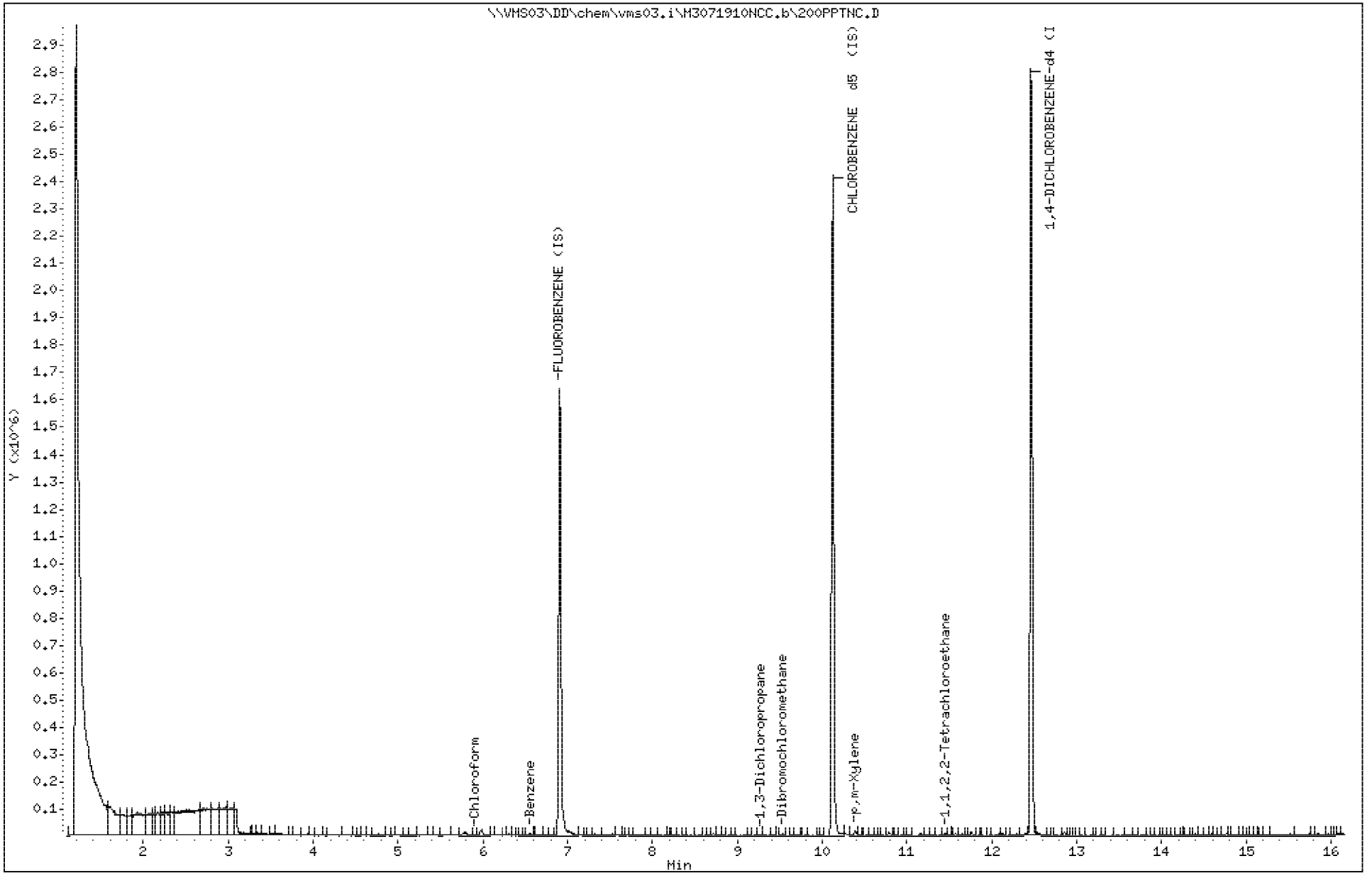
Sample Info: 200PPT

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3071910NCC.b\500PPTNC.D
Lab Smp Id: 500PPT Client Smp ID: 500PPT
Inj Date : 19-JUL-2010 09:09
Operator : Inst ID: vms03.i
Smp Info : 500PPT
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Meth Date : 21-Jul-2010 10:36 mstephens Quant Type: ISTD
Cal Date : 12-JUL-2010 11:08 Cal File: 80PPB.D
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				9557	1.00000	(a)
M 2 Xylenes (Total)	100				26981	1.50000	(a)
M 3 Trihalomethanes (Total)	100				16896	0.50000	(a)
5 Chloromethane	50	1.520	1.520	(0.220)	4670	0.50000	0.45(a)
6 Vinyl Chloride	62	1.628	1.628	(0.236)	4125	0.50000	0.40(a)
13 1,1-Dichloroethene	61	2.904	2.904	(0.420)	6691	0.50000	0.51(a)
22 trans 1,2-Dichloroethene	61	3.932	3.932	(0.569)	5275	0.50000	0.45(a)
29 cis-1,2-Dichloroethene	96	5.453	5.453	(0.789)	4282	0.50000	0.49(a)
32 Chloroform	83	5.906	5.907	(0.855)	7506	0.50000	0.51(a)
38 Carbon tetrachloride	117	6.302	6.302	(0.912)	3879	0.50000	1.9
40 1,2-Dichloroethane	62	6.592	6.592	(0.954)	5415	0.50000	0.46(a)
41 Benzene	78	6.561	6.555	(0.950)	15253	0.50000	0.48(a)
* 42 FLUOROBENZENE (IS)	96	6.908	6.909	(1.000)	1503758	50.0000	
43 Trichloroethylene	130	7.327	7.327	(1.061)	4182	0.50000	0.49(a)
45 1,2-Dichloropropane	63	7.576	7.576	(1.097)	3731	0.50000	0.43(a)
47 Bromodichloromethane	83	7.891	7.891	(1.142)	5701	0.50000	0.50(a)
52 cis 1,3-Dichloropropene	75	8.382	8.382	(1.213)	5468	0.50000	0.46(a)
54 Toluene	92	8.718	8.718	(1.262)	8864	0.50000	0.45(a)
58 1,3-Dichloropropane	76	9.308	9.311	(0.920)	5531	0.50000	0.45(a)
59 Tetrachloroethylene	164	9.287	9.287	(0.918)	2681	0.50000	0.43(a)
60 Dibromochloromethane	129	9.535	9.546	(0.942)	3689	0.50000	0.46(a)
* 63 CHLOROBENZENE d5 (IS)	117	10.121	10.121	(1.000)	1277700	50.0000	
64 Chlorobenzene	112	10.150	10.150	(1.003)	11308	0.50000	0.49(aQ)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
65 1,1,1,2-Tetrachloroethane	131	10.235	10.235	(1.011)	3896	0.50000	0.50(a)
66 Ethylbenzene	106	10.270	10.270	(1.015)	5497	0.50000	0.46(a)
67 p,m-Xylene	106	10.394	10.393	(1.027)	13240	1.00000	0.92(a)
68 o-Xylene	91	10.787	10.787	(1.066)	13741	0.50000	0.47(a)
71 1-Methylethylbenzene	105	11.165	11.165	(0.896)	12904	0.50000	0.40(a)
73 1,1,2,2-Tetrachloroethane	83	11.467	11.462	(0.920)	4872	0.50000	0.53(a)
85 1,3-Dichlorobenzene	146	12.400	12.400	(0.995)	8091	0.50000	0.48(a)
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	712863	50.0000	
87 1,4-Dichlorobenzene	146	12.488	12.488	(1.002)	9327	0.50000	0.52(aQ)
90 1,2-Dichlorobenzene	146	12.855	12.855	(1.031)	7670	0.50000	0.47(a)
93 Hexachlorobutadiene	223	14.540	14.540	(1.166)	1081	0.50000	0.51(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 500PPTNC.D
Lab Smp Id: 500PPT
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 500PPT
Level: LOW
Sample Type: WATER

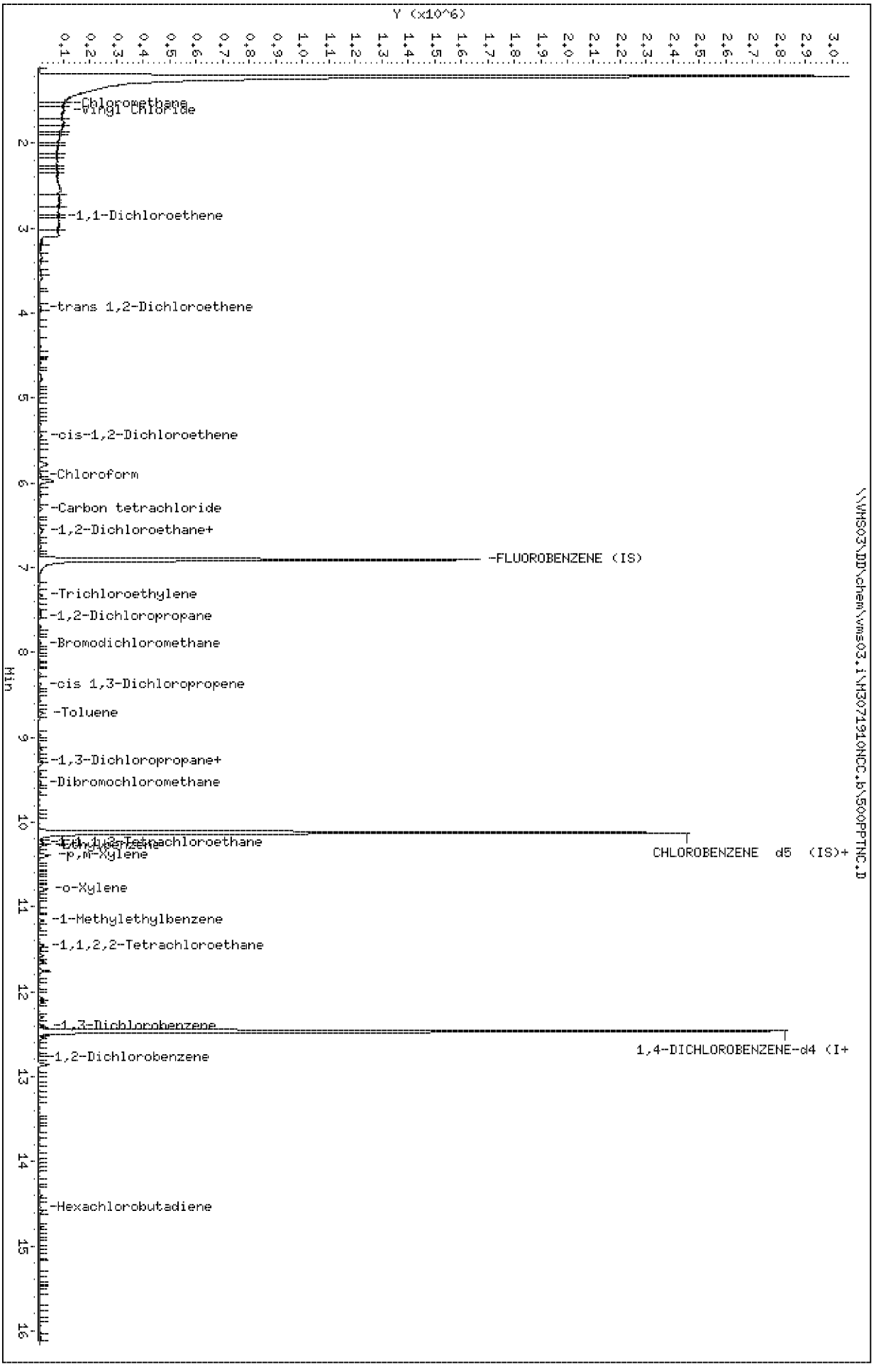
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1503758	-5.96
63 CHLOROBENZENE d5	1329024	664512	2658048	1277700	-3.86
86 1,4-DICHLOROBENZE	751249	375625	1502498	712863	-5.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	-0.01
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	-0.00
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VHS03\DD\chem\vms03.i\M3071910NCC.b\500PPTNC.D
Date : 19-JUL-2010 09:09
Client ID: 500PPT
Sample Info: 500PPT
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3071910NCC.b\1PPBNC.D
Lab Smp Id: 1PPB Client Smp ID: 1PPB
Inj Date : 19-JUL-2010 09:33
Operator : Inst ID: vms03.i
Smp Info : 1PPB
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Meth Date : 21-Jul-2010 10:36 mstephens Quant Type: ISTD
Cal Date : 12-JUL-2010 11:08 Cal File: 80PPB.D
Als bottle: 9 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				21113	2.00000	(a)
M 2 Xylenes (Total)	100				55178	3.00000	(a)
M 3 Trihalomethanes (Total)	100				39656	1.00000	(a)
4 Dichlorodifluoromethane	85	1.368	1.368	(0.198)	12432	1.00000	1.1
5 Chloromethane	50	1.516	1.520	(0.219)	11762	1.00000	1.1
6 Vinyl Chloride	62	1.629	1.628	(0.236)	10574	1.00000	1.0
7 Bromomethane	96	1.949	1.949	(0.282)	6669	1.00000	1.2(a)
8 Chloroethane	64	2.071	2.071	(0.300)	8619	1.00000	1.3
9 Trichlorofluoromethane	101	2.331	2.331	(0.337)	16198	1.00000	1.1
11 1,1,2 Trichlorotrifluoromethan	101	2.948	2.948	(0.427)	8910	1.00000	1.1(a)
13 1,1-Dichloroethene	61	2.902	2.904	(0.420)	13239	1.00000	1.0
109 t-Butyl-Alcohol	59	3.798	3.798	(0.550)	6589	10.0000	10.7
14 Acetonitrile	41	3.348	3.348	(0.485)	21080	10.0000	11.6
15 Iodomethane	142	3.089	3.089	(0.447)	12842	1.00000	1.0(a)
16 Methyl Acetate	43	3.411	3.411	(0.494)	6349	1.00000	1.1
17 Allyl Chloride	41	3.348	3.348	(0.485)	21080	1.00000	1.2
18 Carbon Disulfide	76	3.138	3.138	(0.454)	23315	1.00000	1.0
19 Methylene Chloride	49	3.586	3.586	(0.519)	24001	1.00000	1.5
20 Acrylonitrile	53	3.916	3.916	(0.567)	5898	2.00000	2.0
21 Methyl-tert-butyl ether	73	3.975	3.975	(0.575)	16824	1.00000	0.99(a)
22 trans 1,2-Dichloroethene	61	3.931	3.932	(0.569)	12026	1.00000	1.0
23 1,1-Dichloroethane	63	4.587	4.587	(0.664)	15184	1.00000	1.0
24 Vinyl Acetate	43	4.750	4.750	(0.688)	27352	1.00000	1.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
25 Chloroprene	53	4.731	4.731	(0.685)	10794	1.00000	0.94
26 2-Butanone	43	5.528	5.528	(0.800)	6245	2.00000	2.2(a)
27 Propionitrile	54	5.596	5.596	(0.810)	10860	10.0000	11.0
28 2,2-Dichloropropane	77	5.430	5.430	(0.786)	5830	1.00000	1.0
29 cis-1,2-Dichloroethene	96	5.442	5.453	(0.788)	9087	1.00000	1.0(Q)
30 Methyacrylonitrile	67	5.782	5.782	(0.837)	29872	10.0000	10.2
31 Isobutyl Alcohol	43	5.977	5.977	(0.865)	5274	20.0000	20.3(Q)
32 Chloroform	83	5.901	5.907	(0.854)	15178	1.00000	1.0
33 Bromochloromethane	49	5.764	5.764	(0.834)	8496	1.00000	1.0
35 1,1,1-Trichloroethane	97	6.103	6.103	(0.883)	9404	1.00000	0.86(a)
36 Cyclohexane	56	6.158	6.158	(0.891)	13027	1.00000	0.97(a)
37 1,1-Dichloropropene	75	6.311	6.311	(0.913)	10160	1.00000	0.93(a)
38 Carbon tetrachloride	117	6.304	6.302	(0.912)	10061	1.00000	2.4
40 1,2-Dichloroethane	62	6.594	6.592	(0.954)	11411	1.00000	0.98(a)
41 Benzene	78	6.561	6.555	(0.950)	33181	1.00000	1.0
* 42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1503284	50.0000	
43 Trichloroethylene	130	7.327	7.327	(1.060)	8586	1.00000	1.0
44 Methyl Cyclohexane	55	7.530	7.530	(1.090)	6508	1.00000	0.87(a)
45 1,2-Dichloropropane	63	7.574	7.576	(1.096)	9451	1.00000	1.1(q)
46 Methyl Methacrylate	69	7.762	7.762	(1.124)	4607	1.00000	2.4(Q)
47 Bromodichloromethane	83	7.892	7.891	(1.142)	12354	1.00000	1.1
48 1,4 Dioxane	88	7.764	7.764	(1.124)	994	20.0000	16.4(Q)
49 Dibromomethane	93	7.695	7.695	(1.114)	5574	1.00000	1.1
50 4-Methyl-2-Pentanone	58	8.563	8.563	(1.239)	3804	2.00000	1.6(a)
51 2-Hexanone	43	9.425	9.425	(0.931)	6619	2.00000	1.6(a)
52 cis 1,3-Dichloropropene	75	8.380	8.382	(1.213)	11260	1.00000	0.94(a)
54 Toluene	92	8.719	8.718	(1.262)	19687	1.00000	1.0
55 trans 1,3-Dichloropropene	75	8.964	8.964	(1.297)	8965	1.00000	2.7
56 Ethyl Methacrylate	69	9.087	9.087	(1.315)	6242	1.00000	2.7
57 1,1,2-Trichloroethane	97	9.145	9.145	(1.324)	7697	1.00000	1.1
58 1,3-Dichloropropane	76	9.312	9.311	(0.920)	12645	1.00000	1.0
59 Tetrachloroethylene	164	9.282	9.287	(0.917)	7090	1.00000	1.1
60 Dibromochloromethane	129	9.537	9.546	(0.942)	7862	1.00000	0.98(a)
61 1,2-Dibromoethane	107	9.641	9.641	(0.953)	7062	1.00000	0.97(a)
62 1-Chlorohexane	91	10.147	10.147	(1.003)	11929	1.00000	1.2(Q)
* 63 CHLOROBENZENE d5 (IS)	117	10.121	10.121	(1.000)	1290132	50.0000	
64 Chlorobenzene	112	10.149	10.150	(1.003)	23770	1.00000	1.0(q)
65 1,1,1,2-Tetrachloroethane	131	10.239	10.235	(1.012)	7513	1.00000	0.96(aq)
66 Ethylbenzene	106	10.273	10.270	(1.015)	11471	1.00000	0.95(a)
67 p,m-Xylene	106	10.393	10.393	(1.027)	27476	2.00000	1.9(aq)
68 o-Xylene	91	10.787	10.787	(1.066)	27702	1.00000	0.94(a)
69 Styrene	104	10.803	10.803	(1.067)	21061	1.00000	0.89(a)
70 Bromoform	173	10.981	10.981	(1.085)	4262	1.00000	0.90(a)
71 1-Methylethylbenzene	105	11.163	11.165	(0.896)	30395	1.00000	0.96(a)
72 1,4-Dichloro-2-Butene	53	11.227	11.227	(0.901)	1344	2.00000	8.7(Q)
73 1,1,2,2-Tetrachloroethane	83	11.461	11.462	(0.919)	10878	1.00000	1.2(q)
75 1,2,3- trichloropropane	110	11.500	11.500	(0.923)	2813	1.00000	1.1(Q)
76 n-Propylbenzene	91	11.579	11.579	(0.929)	33338	1.00000	0.89(a)
77 Bromobenzene	77	11.453	11.453	(0.919)	15628	1.00000	1.0
78 1,3,5-Trimethylbenzene	105	11.755	11.755	(0.943)	25563	1.00000	0.93(a)
79 2-Chlorotoluene	91	11.652	11.652	(0.935)	24008	1.00000	0.96(a)
80 4-Chlorotoluene	91	11.762	11.762	(0.944)	26492	1.00000	0.92(a)
81 tert-Butylbenzene	119	12.077	12.077	(0.969)	19191	1.00000	0.88(a)
82 1,2,4-trimethylbenzene	105	12.129	12.129	(0.973)	25939	1.00000	0.88(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
123 1,2,3-Trimethylbenzene	105	12.547	12.547	(1.007)	32558	1.00000	1.0(a)
83 sec-Butylbenzene	105	12.301	12.301	(0.987)	27678	1.00000	0.92(a)
84 p-Isopropyltoluene	119	12.450	12.450	(0.999)	23763	1.00000	0.90(a)
85 1,3-Dichlorobenzene	146	12.400	12.400	(0.995)	16684	1.00000	0.99(a)
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.465	12.466	(1.000)	712017	50.0000	
87 1,4-Dichlorobenzene	146	12.489	12.488	(1.002)	18770	1.00000	1.0(q)
88 Benzyl Chloride	91	12.627	12.627	(1.013)	7233	1.00000	3.6
89 n-Butylbenzene	91	12.859	12.859	(1.032)	21628	1.00000	0.98(a)
90 1,2-Dichlorobenzene	146	12.861	12.855	(1.032)	16615	1.00000	1.0
91 1,2-dibromo-3-chloropropane	75	13.639	13.639	(1.094)	1308	1.00000	0.93(a)
92 1,2,4-Trichlorobenzene	180	14.402	14.402	(1.155)	7987	1.00000	0.92
93 Hexachlorobutadiene	223	14.538	14.540	(1.166)	2333	1.00000	1.1(Q)
94 Naphthalene	128	14.588	14.589	(1.170)	17046	1.00000	0.85
95 1,2,3-trichlorobenzene	180	14.764	14.765	(1.184)	6877	1.00000	0.93
103 Isopropyl Ether	45	4.780	4.780	(0.692)	25007	1.00000	0.98
104 Ethyl acetate	43	5.639	5.639	(0.816)	12655	2.00000	2.0
105 Cyclohexanone	55	11.244	11.244	(1.111)	3322	10.0000	11.8
106 Ethyl ether	59	2.635	2.635	(0.381)	7142	1.00000	1.1(aQ)
107 2-Nitropropane	43	8.148	8.148	(1.179)	3852	2.00000	2.3(a)
108 Tetrahydrofuran	42	5.855	5.855	(0.847)	3272	2.00000	1.8(a)
111 Isobutene	41	1.601	1.601	(0.232)	10287	20.0000	35.3
113 2-chloro-1,1,1-trifluoroethan	118	1.745	1.745	(0.253)	10606	1.00000	1.00(a)
114 Bromoethane	108	3.158	3.158	(0.457)	5762	1.00000	0.99(a)
115 n-Hexane	57	4.393	4.393	(0.636)	7402	1.00000	0.95
116 tert-Butyl ethyl ether	59	5.305	5.305	(0.768)	17134	1.00000	0.98(a)
117 t-butyl formate	59	5.977	5.977	(0.865)	29734	20.0000	63.8
118 tert-Amyl alcohol	59	6.680	6.680	(0.967)	5289	20.0000	49.8(Q)
119 tert-Amyl-methyl ether	73	6.749	6.749	(0.977)	16707	1.00000	0.96(a)
120 3,3-dimethyl-1-butanol	57	9.644	9.644	(1.396)	4941	20.0000	59.3
121 2-Cleve	63	8.252	8.252	(1.194)	7956	2.00000	1.6(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 1PPBNC.D
Lab Smp Id: 1PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 1PPB
Level: LOW
Sample Type: WATER

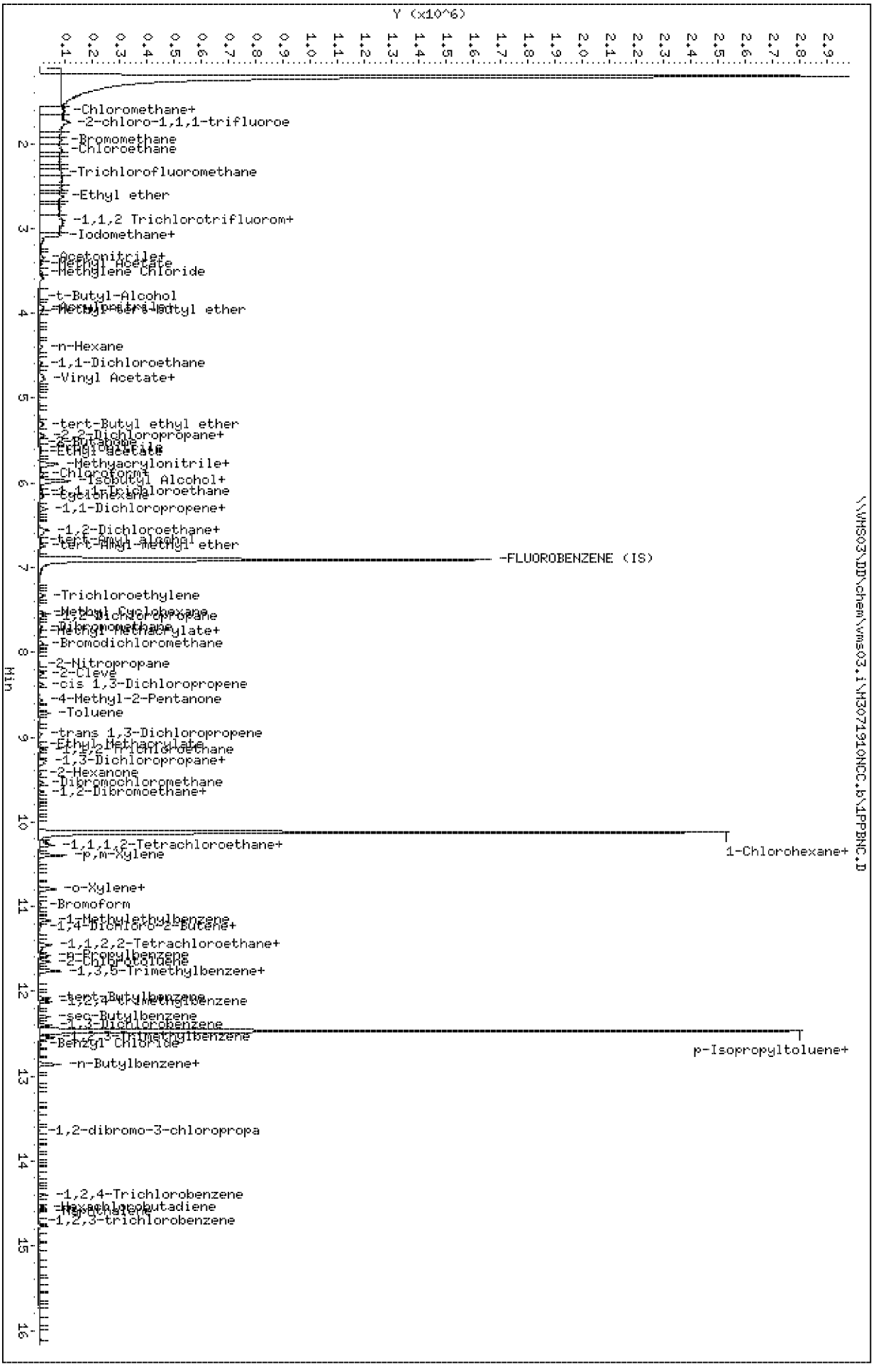
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1503284	-5.99
63 CHLOROBENZENE d5	1329024	664512	2658048	1290132	-2.93
86 1,4-DICHLOROBENZE	751249	375625	1502498	712017	-5.22

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	-0.00
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	-0.01
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VHS03\DD\chem\vms03.i\M3071910NCC.b\1PPBNC.D
Date : 19-JUL-2010 09:33
Client ID: 1PPB
Sample Info: 1PPB
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3071910NCC.b\2PPBNC.D
Lab Smp Id: 2PPB Client Smp ID: 2PPB
Inj Date : 19-JUL-2010 09:57
Operator : Inst ID: vms03.i
Smp Info : 2PPB
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Meth Date : 21-Jul-2010 10:36 mstephens Quant Type: ISTD
Cal Date : 19-JUL-2010 11:32 Cal File: 50PPB.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				35046	4.00000	(a)
M 2 Xylenes (Total)	100				103190	6.00000	(a)
M 3 Trihalomethanes (Total)	100				69338	2.00000	(a)
4 Dichlorodifluoromethane	85	1.370	1.368	(0.198)	20161	2.00000	1.8
5 Chloromethane	50	1.517	1.520	(0.220)	21526	2.00000	2.1
6 Vinyl Chloride	62	1.627	1.628	(0.236)	20139	2.00000	2.0
7 Bromomethane	96	1.953	1.949	(0.283)	11992	2.00000	2.1
8 Chloroethane	64	2.070	2.071	(0.300)	12328	2.00000	1.9
9 Trichlorofluoromethane	101	2.326	2.331	(0.337)	26328	2.00000	1.8
10 Acrolein	56	2.773	2.773	(0.401)	3566	4.00000	4.6
11 1,1,2 Trichlorotrifluoromethan	101	2.945	2.948	(0.426)	14468	2.00000	1.8(a)
12 Acetone	43	2.967	2.967	(0.430)	14274	4.00000	4.2(a)
13 1,1-Dichloroethene	61	2.908	2.904	(0.421)	22782	2.00000	1.7
109 t-Butyl-Alcohol	59	3.805	3.798	(0.551)	11356	20.0000	18.6
14 Acetonitrile	41	3.342	3.348	(0.484)	33423	20.0000	18.4
15 Iodomethane	142	3.098	3.089	(0.448)	23658	2.00000	1.9(a)
16 Methyl Acetate	43	3.419	3.411	(0.495)	11321	2.00000	2.0
17 Allyl Chloride	41	3.342	3.348	(0.484)	33423	2.00000	1.9
18 Carbon Disulfide	76	3.135	3.138	(0.454)	41401	2.00000	1.8
19 Methylene Chloride	49	3.583	3.586	(0.519)	37400	2.00000	2.5
20 Acrylonitrile	53	3.915	3.916	(0.567)	12278	4.00000	4.3(q)
21 Methyl-tert-butyl ether	73	3.974	3.975	(0.575)	30222	2.00000	1.8
22 trans 1,2-Dichloroethene	61	3.933	3.932	(0.569)	19794	2.00000	1.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
23 1,1-Dichloroethane	63	4.590	4.587	(0.664)	27362	2.00000	1.9
24 Vinyl Acetate	43	4.764	4.750	(0.690)	50346	2.00000	1.9
25 Chloroprene	53	4.727	4.731	(0.684)	19001	2.00000	1.7
26 2-Butanone	43	5.519	5.528	(0.799)	11321	4.00000	4.0(a)
27 Propionitrile	54	5.587	5.596	(0.809)	17840	20.0000	18.0
28 2,2-Dichloropropane	77	5.429	5.430	(0.786)	10233	2.00000	1.8
29 cis-1,2-Dichloroethene	96	5.443	5.453	(0.788)	15252	2.00000	1.8
30 Methyacrylonitrile	67	5.780	5.782	(0.837)	52248	20.0000	17.9
31 Isobutyl Alcohol	43	5.976	5.977	(0.865)	9985	40.0000	38.6(Q)
32 Chloroform	83	5.902	5.907	(0.854)	27603	2.00000	1.9
33 Bromochloromethane	49	5.759	5.764	(0.834)	15129	2.00000	1.8
35 1,1,1-Trichloroethane	97	6.099	6.103	(0.883)	19520	2.00000	1.8
36 Cyclohexane	56	6.159	6.158	(0.891)	24564	2.00000	1.8(aQ)
37 1,1-Dichloropropene	75	6.310	6.311	(0.913)	18878	2.00000	1.7
38 Carbon tetrachloride	117	6.300	6.302	(0.912)	16025	2.00000	3.0
40 1,2-Dichloroethane	62	6.594	6.592	(0.954)	23304	2.00000	2.0
41 Benzene	78	6.558	6.555	(0.949)	60206	2.00000	1.9
* 42 FLUOROBENZENE (IS)	96	6.908	6.909	(1.000)	1498696	50.0000	
43 Trichloroethylene	130	7.330	7.327	(1.061)	15190	2.00000	1.8
44 Methyl Cyclohexane	55	7.536	7.530	(1.091)	12316	2.00000	1.6(aq)
45 1,2-Dichloropropane	63	7.576	7.576	(1.097)	14941	2.00000	1.7
46 Methyl Methacrylate	69	7.762	7.762	(1.124)	6786	2.00000	2.8(q)
47 Bromodichloromethane	83	7.892	7.891	(1.142)	20440	2.00000	1.8
48 1,4 Dioxane	88	7.760	7.764	(1.123)	2418	40.0000	40.0(q)
49 Dibromomethane	93	7.699	7.695	(1.114)	9878	2.00000	1.9
50 4-Methyl-2-Pentanone	58	8.559	8.563	(1.239)	7411	4.00000	3.2(aQ)
51 2-Hexanone	43	9.424	9.425	(0.931)	12965	4.00000	3.2(a)
52 cis 1,3-Dichloropropene	75	8.377	8.382	(1.213)	20133	2.00000	1.7
54 Toluene	92	8.715	8.718	(1.262)	35451	2.00000	1.8
55 trans 1,3-Dichloropropene	75	8.966	8.964	(1.298)	15110	2.00000	3.2
56 Ethyl Methacrylate	69	9.090	9.087	(1.316)	12307	2.00000	3.3
57 1,1,2-Trichloroethane	97	9.145	9.145	(1.324)	13939	2.00000	2.0
58 1,3-Dichloropropane	76	9.314	9.311	(0.920)	24796	2.00000	2.0
59 Tetrachloroethylene	164	9.276	9.287	(0.916)	10853	2.00000	1.7
60 Dibromochloromethane	129	9.541	9.546	(0.943)	13957	2.00000	1.7
61 1,2-Dibromoethane	107	9.641	9.641	(0.953)	13593	2.00000	1.9
62 1-Chlorohexane	91	10.147	10.147	(1.003)	18260	2.00000	1.8(Q)
* 63 CHLOROBENZENE d5 (IS)	117	10.121	10.121	(1.000)	1289883	50.0000	
64 Chlorobenzene	112	10.150	10.150	(1.003)	43089	2.00000	1.9(q)
65 1,1,1,2-Tetrachloroethane	131	10.239	10.235	(1.012)	13085	2.00000	1.7(q)
66 Ethylbenzene	106	10.273	10.270	(1.015)	21949	2.00000	1.8
67 p,m-Xylene	106	10.393	10.393	(1.027)	52048	4.00000	3.6
68 o-Xylene	91	10.787	10.787	(1.066)	51142	2.00000	1.7
69 Styrene	104	10.802	10.803	(1.067)	36954	2.00000	1.6
70 Bromoform	173	10.979	10.981	(1.085)	7338	2.00000	1.6
71 1-Methylethylbenzene	105	11.163	11.165	(0.895)	53793	2.00000	1.7
72 1,4-Dichloro-2-Butene	53	11.228	11.227	(0.901)	2967	4.00000	9.9(q)
73 1,1,2,2-Tetrachloroethane	83	11.462	11.462	(0.920)	18014	2.00000	1.9(q)
75 1,2,3- trichloropropane	110	11.496	11.500	(0.922)	4351	2.00000	1.6(Q)
76 n-Propylbenzene	91	11.576	11.579	(0.929)	64116	2.00000	1.7
77 Bromobenzene	77	11.452	11.453	(0.919)	27546	2.00000	1.8
78 1,3,5-Trimethylbenzene	105	11.755	11.755	(0.943)	44695	2.00000	1.6
79 2-Chlorotoluene	91	11.652	11.652	(0.935)	45922	2.00000	1.8
80 4-Chlorotoluene	91	11.762	11.762	(0.944)	52928	2.00000	1.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
81	tert-Butylbenzene	119	12.078	12.077	(0.969)	35903	2.00000	1.6
82	1,2,4-trimethylbenzene	105	12.127	12.129	(0.973)	51426	2.00000	1.7
123	1,2,3-Trimethylbenzene	105	12.547	12.547	(1.007)	58801	2.00000	1.8(aq)
83	sec-Butylbenzene	105	12.300	12.301	(0.987)	50557	2.00000	1.7
84	p-Isopropyltoluene	119	12.450	12.450	(0.999)	46220	2.00000	1.7
85	1,3-Dichlorobenzene	146	12.399	12.400	(0.995)	31340	2.00000	1.8
* 86	1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	716382	50.0000	
87	1,4-Dichlorobenzene	146	12.489	12.488	(1.002)	34232	2.00000	1.9(q)
88	Benzyl Chloride	91	12.629	12.627	(1.013)	11630	2.00000	4.0
89	n-Butylbenzene	91	12.859	12.859	(1.032)	37814	2.00000	1.7
90	1,2-Dichlorobenzene	146	12.859	12.855	(1.032)	29402	2.00000	1.8
91	1,2-dibromo-3-chloropropane	75	13.639	13.639	(1.094)	2827	2.00000	2.0(Q)
92	1,2,4-Trichlorobenzene	180	14.401	14.402	(1.155)	15527	2.00000	1.8
93	Hexachlorobutadiene	223	14.538	14.540	(1.166)	3602	2.00000	1.7(q)
94	Naphthalene	128	14.586	14.589	(1.170)	29866	2.00000	1.5
95	1,2,3-trichlorobenzene	180	14.763	14.765	(1.184)	12249	2.00000	1.6
103	Isopropyl Ether	45	4.774	4.780	(0.691)	46494	2.00000	1.8
104	Ethyl acetate	43	5.641	5.639	(0.817)	23557	4.00000	3.8
105	Cyclohexanone	55	11.248	11.244	(1.111)	4702	20.0000	16.7
106	Ethyl ether	59	2.629	2.635	(0.381)	11721	2.00000	1.8(aQ)
107	2-Nitropropane	43	8.146	8.148	(1.179)	5945	4.00000	3.5(a)
108	Tetrahydrofuran	42	5.847	5.855	(0.846)	6590	4.00000	3.6(a)
110	Chlorotrifluoroethylene	116	1.328	1.328	(0.192)	903	2.00000	3.4(a)
111	Isobutene	41	1.582	1.601	(0.229)	15155	40.0000	52.2
113	2-chloro-1,1,1-trifluoroethan	118	1.747	1.745	(0.253)	21601	2.00000	2.0(a)
114	Bromoethane	108	3.162	3.158	(0.458)	11265	2.00000	1.9(aq)
115	n-Hexane	57	4.392	4.393	(0.636)	13114	2.00000	1.7
116	tert-Butyl ethyl ether	59	5.315	5.305	(0.769)	30862	2.00000	1.8(a)
117	t-butyl formate	59	5.977	5.977	(0.865)	52594	40.0000	75.4
118	tert-Amyl alcohol	59	6.679	6.680	(0.967)	10865	40.0000	62.8(Q)
119	tert-Amyl-methyl ether	73	6.748	6.749	(0.977)	28358	2.00000	1.6(a)
120	3,3-dimethyl-1-butanol	57	9.647	9.644	(1.396)	9217	40.0000	69.1
121	2-Cleve	63	8.246	8.252	(1.194)	17906	4.00000	3.7(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 2PPBNC.D
Lab Smp Id: 2PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 2PPB
Level: LOW
Sample Type: WATER

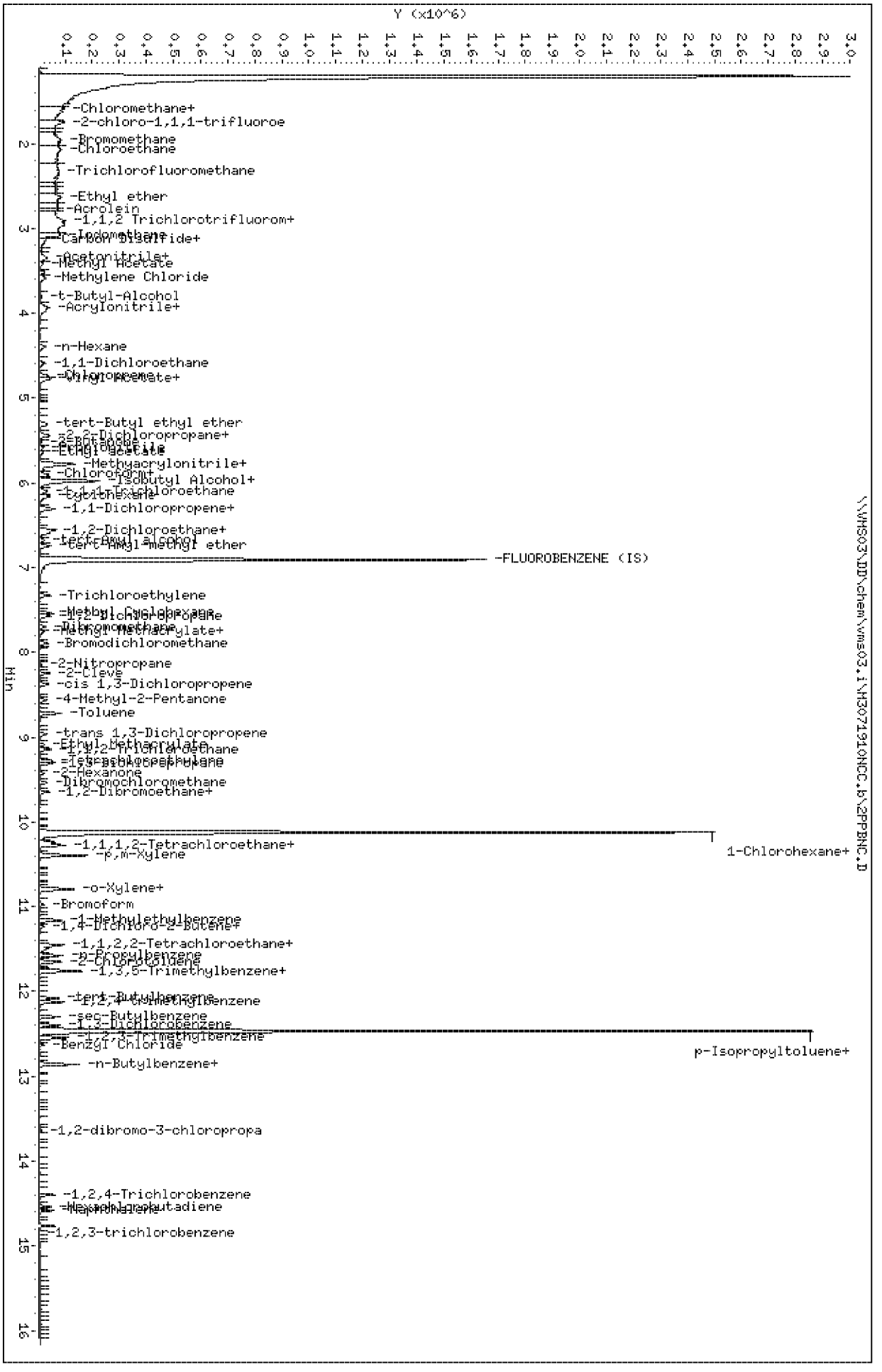
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1498696	-6.28
63 CHLOROBENZENE d5	1329024	664512	2658048	1289883	-2.95
86 1,4-DICHLOROBENZE	751249	375625	1502498	716382	-4.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	-0.01
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	-0.00
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VHS03\DD\chem\vms03.i\M3071910NCC.b\2PPBNC.D
Date : 19-JUL-2010 09:57
Client ID: 2PPB
Sample Info: 2PPB
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: vms03.i
Operator:
Column diameter: 0.18



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PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3071910NCC.b\5PPBNC.D
Lab Smp Id: 5PPB Client Smp ID: 5PPB
Inj Date : 19-JUL-2010 10:21
Operator : Inst ID: vms03.i
Smp Info : 5PPB
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Meth Date : 21-Jul-2010 10:36 mstephens Quant Type: ISTD
Cal Date : 12-JUL-2010 11:08 Cal File: 80PPB.D
Als bottle: 11 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				107569	10.0000	(a)
M 2 Xylenes (Total)	100				301943	15.0000	(a)
M 3 Trihalomethanes (Total)	100				195458	5.00000	(a)
4 Dichlorodifluoromethane	85	1.369	1.368	(0.198)	59602	5.00000	5.2
5 Chloromethane	50	1.517	1.520	(0.220)	60853	5.00000	5.7
6 Vinyl Chloride	62	1.628	1.628	(0.236)	56527	5.00000	5.4
7 Bromomethane	96	1.953	1.949	(0.283)	33717	5.00000	5.7
8 Chloroethane	64	2.068	2.071	(0.299)	35265	5.00000	5.1
9 Trichlorofluoromethane	101	2.328	2.331	(0.337)	81264	5.00000	5.2
10 Acrolein	56	2.771	2.773	(0.401)	7543	10.0000	9.3
11 1,1,2 Trichlorotrifluoromethan	101	2.945	2.948	(0.426)	46054	5.00000	5.4(a)
12 Acetone	43	2.964	2.967	(0.429)	30822	10.0000	12.3
13 1,1-Dichloroethene	61	2.909	2.904	(0.421)	65525	5.00000	4.8
109 t-Butyl-Alcohol	59	3.804	3.798	(0.551)	29425	50.0000	46.1
14 Acetonitrile	41	3.344	3.348	(0.484)	94094	50.0000	49.6(q)
15 Iodomethane	142	3.091	3.089	(0.447)	62765	5.00000	4.7
16 Methyl Acetate	43	3.418	3.411	(0.495)	29783	5.00000	5.2
17 Allyl Chloride	41	3.344	3.348	(0.484)	82209	5.00000	4.4
18 Carbon Disulfide	76	3.136	3.138	(0.454)	115131	5.00000	4.9
19 Methylene Chloride	49	3.583	3.586	(0.519)	83540	5.00000	5.5
20 Acrylonitrile	53	3.915	3.916	(0.567)	30713	10.0000	10.2
21 Methyl-tert-butyl ether	73	3.975	3.975	(0.575)	82224	5.00000	4.6
22 trans 1,2-Dichloroethene	61	3.933	3.932	(0.569)	62602	5.00000	5.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
23 1,1-Dichloroethane	63	4.589	4.587	(0.664)	76114	5.00000	5.0
24 Vinyl Acetate	43	4.751	4.750	(0.688)	139759	5.00000	5.0
25 Chloroprene	53	4.725	4.731	(0.684)	55877	5.00000	4.7
26 2-Butanone	43	5.520	5.528	(0.799)	29413	10.0000	10.0
27 Propionitrile	54	5.584	5.596	(0.808)	50844	50.0000	49.3
28 2,2-Dichloropropane	77	5.432	5.430	(0.786)	25773	5.00000	4.3
29 cis-1,2-Dichloroethene	96	5.449	5.453	(0.789)	44967	5.00000	5.0
30 Methyacrylonitrile	67	5.780	5.782	(0.837)	151230	50.0000	49.6
31 Isobutyl Alcohol	43	5.977	5.977	(0.865)	25672	100.000	95.2(Q)
32 Chloroform	83	5.904	5.907	(0.854)	74091	5.00000	4.8
33 Bromochloromethane	49	5.761	5.764	(0.834)	44674	5.00000	5.2
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.104	6.104	(0.883)	39069	5.00000	4.3
35 1,1,1-Trichloroethane	97	6.099	6.103	(0.883)	54392	5.00000	4.8
36 Cyclohexane	56	6.158	6.158	(0.891)	66363	5.00000	4.8(aQ)
37 1,1-Dichloropropene	75	6.316	6.311	(0.914)	54542	5.00000	4.8
38 Carbon tetrachloride	117	6.303	6.302	(0.912)	49175	5.00000	5.6
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.505	6.505	(0.941)	8655	5.00000	4.1
40 1,2-Dichloroethane	62	6.595	6.592	(0.954)	59293	5.00000	4.9
41 Benzene	78	6.560	6.555	(0.949)	161890	5.00000	4.9
* 42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1562988	50.0000	
43 Trichloroethylene	130	7.330	7.327	(1.061)	42771	5.00000	4.8
44 Methyl Cyclohexane	55	7.532	7.530	(1.090)	34983	5.00000	4.5(a)
45 1,2-Dichloropropane	63	7.578	7.576	(1.097)	44331	5.00000	4.9
46 Methyl Methacrylate	69	7.760	7.762	(1.123)	22178	5.00000	5.5
47 Bromodichloromethane	83	7.892	7.891	(1.142)	57035	5.00000	4.8
48 1,4 Dioxane	88	7.755	7.764	(1.122)	5996	100.000	95.2(q)
49 Dibromomethane	93	7.701	7.695	(1.115)	27185	5.00000	5.0
50 4-Methyl-2-Pentanone	58	8.560	8.563	(1.239)	21229	10.0000	8.8(Q)
51 2-Hexanone	43	9.425	9.425	(0.931)	40915	10.0000	9.7
52 cis 1,3-Dichloropropene	75	8.376	8.382	(1.212)	55968	5.00000	4.5
$ 53 TOLUENE d8 (surr)	98	8.651	8.651	(1.252)	143220	5.00000	4.1
54 Toluene	92	8.718	8.718	(1.262)	101411	5.00000	5.0
55 trans 1,3-Dichloropropene	75	8.964	8.964	(1.297)	45708	5.00000	5.6
56 Ethyl Methacrylate	69	9.086	9.087	(1.315)	36597	5.00000	5.4
57 1,1,2-Trichloroethane	97	9.145	9.145	(1.324)	36848	5.00000	5.0
58 1,3-Dichloropropane	76	9.313	9.311	(0.920)	63675	5.00000	4.9
59 Tetrachloroethylene	164	9.281	9.287	(0.917)	30810	5.00000	4.7
60 Dibromochloromethane	129	9.541	9.546	(0.943)	39880	5.00000	4.8
61 1,2-Dibromoethane	107	9.644	9.641	(0.953)	35576	5.00000	4.7
62 1-Chlorohexane	91	10.147	10.147	(1.002)	46547	5.00000	4.5(q)
* 63 CHLOROBENZENE d5 (IS)	117	10.122	10.121	(1.000)	1346786	50.0000	
64 Chlorobenzene	112	10.151	10.150	(1.003)	119634	5.00000	5.0(q)
65 1,1,1,2-Tetrachloroethane	131	10.240	10.235	(1.012)	38406	5.00000	4.7(q)
66 Ethylbenzene	106	10.273	10.270	(1.015)	61190	5.00000	4.8
67 p,m-Xylene	106	10.393	10.393	(1.027)	153704	10.0000	10.2
68 o-Xylene	91	10.787	10.787	(1.066)	148239	5.00000	4.8
69 Styrene	104	10.802	10.803	(1.067)	119792	5.00000	4.8
70 Bromoform	173	10.978	10.981	(1.085)	24452	5.00000	5.0
71 1-Methylethylbenzene	105	11.164	11.165	(0.896)	159589	5.00000	4.7
72 1,4-Dichloro-2-Butene	53	11.230	11.227	(0.901)	7818	10.0000	13.2(q)
73 1,1,2,2-Tetrachloroethane	83	11.462	11.462	(0.920)	49457	5.00000	5.0(q)
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.308	11.308	(0.907)	53170	5.00000	4.1
75 1,2,3- trichloropropane	110	11.501	11.500	(0.923)	15627	5.00000	5.6(Q)
76 n-Propylbenzene	91	11.575	11.579	(0.929)	191399	5.00000	4.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77	Bromobenzene	77	11.452	11.453	(0.919)	72323	5.00000	4.6
78	1,3,5-Trimethylbenzene	105	11.756	11.755	(0.943)	144138	5.00000	4.9
79	2-Chlorotoluene	91	11.653	11.652	(0.935)	131464	5.00000	4.9
80	4-Chlorotoluene	91	11.762	11.762	(0.944)	153031	5.00000	5.0
81	tert-Butylbenzene	119	12.079	12.077	(0.969)	111598	5.00000	4.8
82	1,2,4-trimethylbenzene	105	12.128	12.129	(0.973)	149852	5.00000	4.8
123	1,2,3-Trimethylbenzene	105	12.548	12.547	(1.007)	170482	5.00000	5.0(a)
83	sec-Butylbenzene	105	12.300	12.301	(0.987)	151206	5.00000	4.7
84	p-Isopropyltoluene	119	12.450	12.450	(0.999)	134768	5.00000	4.8
85	1,3-Dichlorobenzene	146	12.399	12.400	(0.995)	89352	5.00000	5.0
* 86	1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	762026	50.0000	
87	1,4-Dichlorobenzene	146	12.489	12.488	(1.002)	93608	5.00000	4.9(q)
88	Benzyl Chloride	91	12.628	12.627	(1.013)	35791	5.00000	6.1
89	n-Butylbenzene	91	12.859	12.859	(1.032)	104695	5.00000	4.4
90	1,2-Dichlorobenzene	146	12.859	12.855	(1.032)	86320	5.00000	5.0
91	1,2-dibromo-3-chloropropane	75	13.640	13.639	(1.094)	6576	5.00000	4.4(q)
92	1,2,4-Trichlorobenzene	180	14.400	14.402	(1.155)	39806	5.00000	4.3
93	Hexachlorobutadiene	223	14.539	14.540	(1.166)	9531	5.00000	4.2(q)
94	Naphthalene	128	14.586	14.589	(1.170)	89920	5.00000	4.2
95	1,2,3-trichlorobenzene	180	14.765	14.765	(1.184)	34616	5.00000	4.4
103	Isopropyl Ether	45	4.776	4.780	(0.691)	125819	5.00000	4.7
104	Ethyl acetate	43	5.636	5.639	(0.816)	63020	10.0000	9.8
105	Cyclohexanone	55	11.239	11.244	(1.110)	15622	50.0000	53.1
106	Ethyl ether	59	2.631	2.635	(0.381)	32838	5.00000	5.0(a)
107	2-Nitropropane	43	8.144	8.148	(1.179)	15307	10.0000	8.7(a)
108	Tetrahydrofuran	42	5.839	5.855	(0.845)	21102	10.0000	11.1
110	Chlorotrifluoroethylene	116	1.326	1.328	(0.192)	5323	5.00000	6.0(a)
111	Isobutene	41	1.583	1.601	(0.229)	29081	100.000	96.1(A)
112	Ethanol	45	2.547	2.547	(0.369)	10730	400.000	469(M)
113	2-chloro-1,1,1-trifluoroethan	118	1.745	1.745	(0.253)	59349	5.00000	5.4(a)
114	Bromoethane	108	3.156	3.158	(0.457)	28911	5.00000	4.8(a)
115	n-Hexane	57	4.395	4.393	(0.636)	37151	5.00000	4.6
116	tert-Butyl ethyl ether	59	5.304	5.305	(0.768)	84696	5.00000	4.7(a)
117	t-butyl formate	59	5.977	5.977	(0.865)	146090	100.000	120
118	tert-Amyl alcohol	59	6.679	6.680	(0.967)	32034	100.000	109(q)
119	tert-Amyl-methyl ether	73	6.749	6.749	(0.977)	82172	5.00000	4.5(a)
120	3,3-dimethyl-1-butanol	57	9.644	9.644	(1.396)	28870	100.000	111
121	2-Cleve	63	8.246	8.252	(1.194)	58895	10.0000	11.6

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 5PPBNC.D
Lab Smp Id: 5PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 5PPB
Level: LOW
Sample Type: WATER

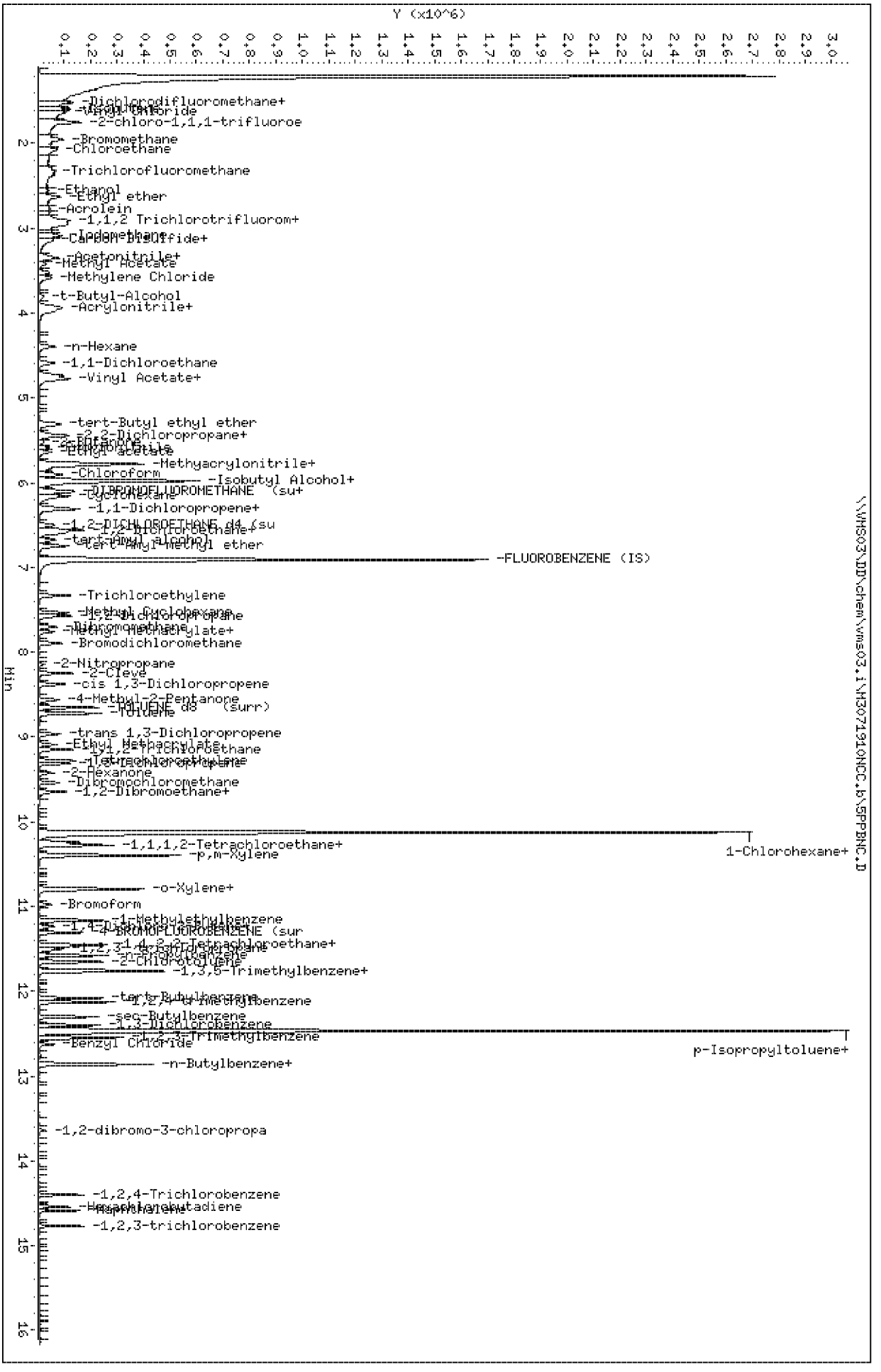
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1562988	-2.26
63 CHLOROBENZENE d5	1329024	664512	2658048	1346786	1.34
86 1,4-DICHLOROBENZE	751249	375625	1502498	762026	1.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.01
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.01
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VHS03\DD\chem\vms03.i\M3071910NCC.b\5PPBNC.D
Date : 19-JUL-2010 10:21
Client ID: 5PPB
Sample Info: 5PPB
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: vms03.i
Operator:
Column diameter: 0.18



\\VHS03\DD\chem\vms03.i\M3071910NCC.b\5PPBNC.D

Page 5

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3071910NCC.b\10PPBNC.D
Lab Smp Id: 10PPB Client Smp ID: 10PPB
Inj Date : 19-JUL-2010 10:44
Operator : Inst ID: vms03.i
Smp Info : 10PPB
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Meth Date : 21-Jul-2010 10:36 mstephens Quant Type: ISTD
Cal Date : 12-JUL-2010 11:08 Cal File: 80PPB.D
Als bottle: 12 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				217551	20.0000	(a)
M 2 Xylenes (Total)	100				625418	30.0000	(a)
M 3 Trihalomethanes (Total)	100				394104	10.0000	(a)
4 Dichlorodifluoromethane	85	1.371	1.368	(0.199)	108392	10.0000	9.2
5 Chloromethane	50	1.517	1.520	(0.220)	106557	10.0000	9.6
6 Vinyl Chloride	62	1.629	1.628	(0.236)	104040	10.0000	9.6
7 Bromomethane	96	1.951	1.949	(0.282)	56129	10.0000	9.2
8 Chloroethane	64	2.071	2.071	(0.300)	62765	10.0000	8.8
9 Trichlorofluoromethane	101	2.326	2.331	(0.337)	142942	10.0000	8.9
10 Acrolein	56	2.769	2.773	(0.401)	14272	20.0000	17.0
11 1,1,2 Trichlorotrifluoromethan	101	2.944	2.948	(0.426)	79547	10.0000	9.1(a)
12 Acetone	43	2.964	2.967	(0.429)	47417	20.0000	19.9
13 1,1-Dichloroethene	61	2.910	2.904	(0.421)	136122	10.0000	9.7
109 t-Butyl-Alcohol	59	3.804	3.798	(0.551)	58130	100.000	88.3
14 Acetonitrile	41	3.346	3.348	(0.484)	186573	100.000	95.3(q)
15 Iodomethane	142	3.093	3.089	(0.448)	134719	10.0000	9.9
16 Methyl Acetate	43	3.416	3.411	(0.494)	56429	10.0000	9.5
17 Allyl Chloride	41	3.346	3.348	(0.484)	186573	10.0000	9.7
18 Carbon Disulfide	76	3.138	3.138	(0.454)	233133	10.0000	9.6
19 Methylene Chloride	49	3.584	3.586	(0.519)	151609	10.0000	9.8
20 Acrylonitrile	53	3.915	3.916	(0.567)	54912	20.0000	17.7
21 Methyl-tert-butyl ether	73	3.976	3.975	(0.576)	173678	10.0000	9.5
22 trans 1,2-Dichloroethene	61	3.932	3.932	(0.569)	124590	10.0000	9.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
23 1,1-Dichloroethane	63	4.588	4.587	(0.664)	149815	10.0000	9.5
24 Vinyl Acetate	43	4.762	4.750	(0.689)	281085	10.0000	9.7
25 Chloroprene	53	4.728	4.731	(0.684)	116702	10.0000	9.5
26 2-Butanone	43	5.517	5.528	(0.799)	56761	20.0000	18.8
27 Propionitrile	54	5.581	5.596	(0.808)	97530	100.000	91.8
28 2,2-Dichloropropane	77	5.432	5.430	(0.786)	58270	10.0000	9.5
29 cis-1,2-Dichloroethene	96	5.446	5.453	(0.788)	92961	10.0000	9.9
30 Methyacrylonitrile	67	5.780	5.782	(0.837)	311980	100.000	99.3
31 Isobutyl Alcohol	43	5.978	5.977	(0.865)	48176	200.000	173(Q)
32 Chloroform	83	5.904	5.907	(0.855)	152208	10.0000	9.6
33 Bromochloromethane	49	5.763	5.764	(0.834)	84826	10.0000	9.6
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.103	6.104	(0.883)	88975	10.0000	9.5
35 1,1,1-Trichloroethane	97	6.097	6.103	(0.882)	115315	10.0000	9.8
36 Cyclohexane	56	6.157	6.158	(0.891)	138704	10.0000	9.6(aq)
37 1,1-Dichloropropene	75	6.312	6.311	(0.914)	111106	10.0000	9.5
38 Carbon tetrachloride	117	6.303	6.302	(0.912)	98656	10.0000	9.3
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.504	6.505	(0.941)	20633	10.0000	9.4(Q)
40 1,2-Dichloroethane	62	6.594	6.592	(0.954)	119235	10.0000	9.6
41 Benzene	78	6.560	6.555	(0.949)	330167	10.0000	9.7
* 42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1612236	50.0000	
43 Trichloroethylene	130	7.331	7.327	(1.061)	88681	10.0000	9.8
44 Methyl Cyclohexane	55	7.533	7.530	(1.090)	79953	10.0000	10
45 1,2-Dichloropropane	63	7.573	7.576	(1.096)	90945	10.0000	9.8
46 Methyl Methacrylate	69	7.760	7.762	(1.123)	47492	10.0000	9.6
47 Bromodichloromethane	83	7.892	7.891	(1.142)	116133	10.0000	9.4
48 1,4 Dioxane	88	7.754	7.764	(1.122)	12410	200.000	191
49 Dibromomethane	93	7.700	7.695	(1.114)	52963	10.0000	9.5
50 4-Methyl-2-Pentanone	58	8.559	8.563	(1.239)	47570	20.0000	19.1(q)
51 2-Hexanone	43	9.422	9.425	(0.931)	79671	20.0000	18.4
52 cis 1,3-Dichloropropene	75	8.377	8.382	(1.212)	120630	10.0000	9.4
$ 53 TOLUENE d8 (surr)	98	8.651	8.651	(1.252)	339961	10.0000	9.5
54 Toluene	92	8.720	8.718	(1.262)	210046	10.0000	10
55 trans 1,3-Dichloropropene	75	8.963	8.964	(1.297)	93855	10.0000	9.2
56 Ethyl Methacrylate	69	9.085	9.087	(1.315)	77226	10.0000	9.0
57 1,1,2-Trichloroethane	97	9.146	9.145	(1.324)	70843	10.0000	9.2
58 1,3-Dichloropropane	76	9.311	9.311	(0.920)	132682	10.0000	10
59 Tetrachloroethylene	164	9.280	9.287	(0.917)	66597	10.0000	9.9
60 Dibromochloromethane	129	9.539	9.546	(0.942)	79883	10.0000	9.3
61 1,2-Dibromoethane	107	9.644	9.641	(0.953)	74234	10.0000	9.5
62 1-Chlorohexane	91	10.147	10.147	(1.002)	98246	10.0000	9.3(Q)
* 63 CHLOROBENZENE d5 (IS)	117	10.122	10.121	(1.000)	1382685	50.0000	
64 Chlorobenzene	112	10.150	10.150	(1.003)	240214	10.0000	9.7(q)
65 1,1,1,2-Tetrachloroethane	131	10.239	10.235	(1.012)	80297	10.0000	9.5(q)
66 Ethylbenzene	106	10.272	10.270	(1.015)	126035	10.0000	9.7
67 p,m-Xylene	106	10.392	10.393	(1.027)	313730	20.0000	20.2
68 o-Xylene	91	10.787	10.787	(1.066)	311688	10.0000	9.8
69 Styrene	104	10.803	10.803	(1.067)	245428	10.0000	9.7
70 Bromoform	173	10.975	10.981	(1.084)	45880	10.0000	9.1
71 1-Methylethylbenzene	105	11.164	11.165	(0.896)	336086	10.0000	9.4
72 1,4-Dichloro-2-Butene	53	11.230	11.227	(0.901)	16992	20.0000	19.1(q)
73 1,1,2,2-Tetrachloroethane	83	11.464	11.462	(0.920)	96119	10.0000	9.3(q)
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.310	11.308	(0.907)	122752	10.0000	9.1
75 1,2,3- trichloropropane	110	11.499	11.500	(0.922)	25799	10.0000	8.7(q)
76 n-Propylbenzene	91	11.577	11.579	(0.929)	417461	10.0000	9.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	11.451	11.453	(0.919)	154128	10.0000	9.2
78 1,3,5-Trimethylbenzene	105	11.756	11.755	(0.943)	295375	10.0000	9.5
79 2-Chlorotoluene	91	11.652	11.652	(0.935)	272285	10.0000	9.7
80 4-Chlorotoluene	91	11.760	11.762	(0.943)	318916	10.0000	9.8
81 tert-Butylbenzene	119	12.081	12.077	(0.969)	227512	10.0000	9.3
82 1,2,4-trimethylbenzene	105	12.127	12.129	(0.973)	323880	10.0000	9.8
123 1,2,3-Trimethylbenzene	105	12.545	12.547	(1.006)	330260	10.0000	9.2(a)
83 sec-Butylbenzene	105	12.301	12.301	(0.987)	327841	10.0000	9.6
84 p-Isopropyltoluene	119	12.449	12.450	(0.999)	276517	10.0000	9.3
85 1,3-Dichlorobenzene	146	12.399	12.400	(0.995)	178723	10.0000	9.4
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	802437	50.0000	
87 1,4-Dichlorobenzene	146	12.490	12.488	(1.002)	187949	10.0000	9.3(q)
88 Benzyl Chloride	91	12.629	12.627	(1.013)	71849	10.0000	9.0
89 n-Butylbenzene	91	12.859	12.859	(1.032)	235069	10.0000	9.4
90 1,2-Dichlorobenzene	146	12.860	12.855	(1.032)	172249	10.0000	9.4
91 1,2-dibromo-3-chloropropane	75	13.637	13.639	(1.094)	13588	10.0000	8.6(q)
92 1,2,4-Trichlorobenzene	180	14.402	14.402	(1.155)	86475	10.0000	8.9
93 Hexachlorobutadiene	223	14.543	14.540	(1.167)	22161	10.0000	9.3(q)
94 Naphthalene	128	14.590	14.589	(1.170)	201630	10.0000	8.9
95 1,2,3-trichlorobenzene	180	14.769	14.765	(1.185)	74373	10.0000	8.9
103 Isopropyl Ether	45	4.775	4.780	(0.691)	263001	10.0000	9.6
104 Ethyl acetate	43	5.634	5.639	(0.816)	123575	20.0000	18.7
105 Cyclohexanone	55	11.243	11.244	(1.111)	26797	100.000	88.7
106 Ethyl ether	59	2.630	2.635	(0.381)	63252	10.0000	9.3(a)
107 2-Nitropropane	43	8.146	8.148	(1.179)	31141	20.0000	17.1
108 Tetrahydrofuran	42	5.837	5.855	(0.845)	38498	20.0000	19.7
110 Chlorotrifluoroethylene	116	1.327	1.328	(0.192)	12103	10.0000	9.8(a)
111 Isobutene	41	1.583	1.601	(0.229)	53874	200.000	172(A)
112 Ethanol	45	2.544	2.547	(0.368)	18728	800.000	794(qM)
113 2-chloro-1,1,1-trifluoroethan	118	1.746	1.745	(0.253)	102624	10.0000	9.0(a)
114 Bromoethane	108	3.157	3.158	(0.457)	58663	10.0000	9.4(a)
115 n-Hexane	57	4.395	4.393	(0.636)	78872	10.0000	9.5
116 tert-Butyl ethyl ether	59	5.308	5.305	(0.768)	174232	10.0000	9.3(a)
117 t-butyl formate	59	5.978	5.977	(0.865)	293705	200.000	187
118 tert-Amyl alcohol	59	6.676	6.680	(0.966)	71956	200.000	193(q)
119 tert-Amyl-methyl ether	73	6.749	6.749	(0.977)	171563	10.0000	9.2(a)
120 3,3-dimethyl-1-butanol	57	9.643	9.644	(1.396)	65779	200.000	188(q)
121 2-Cleve	63	8.244	8.252	(1.193)	92249	20.0000	17.6

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 10PPBNC.D
Lab Smp Id: 10PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 10PPB
Level: LOW
Sample Type: WATER

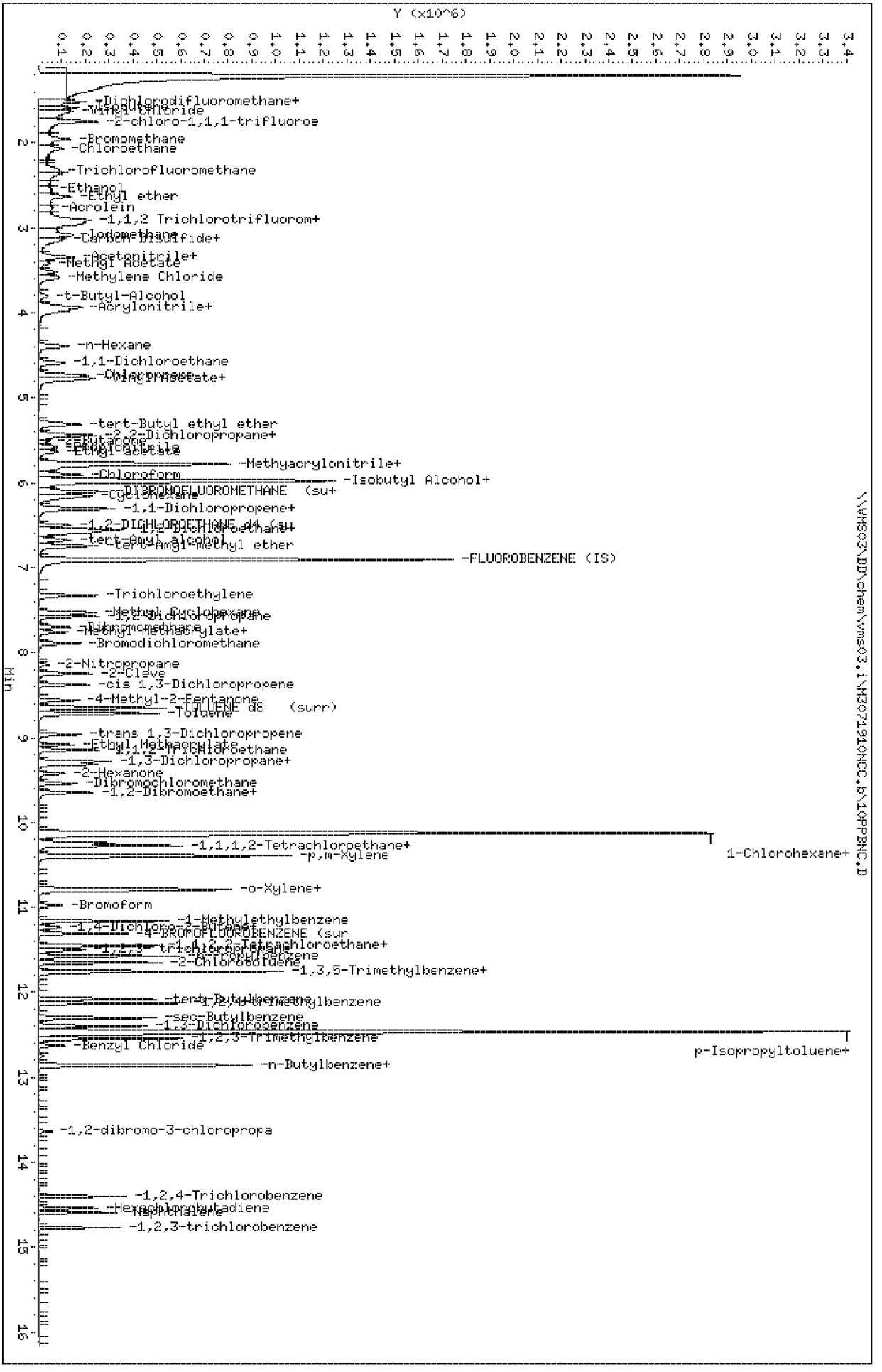
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1612236	0.82
63 CHLOROBENZENE d5	1329024	664512	2658048	1382685	4.04
86 1,4-DICHLOROBENZE	751249	375625	1502498	802437	6.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.00
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.01
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3071910NCC.b\10PPBNC.D
Date : 19-JUL-2010 10:44
Client ID: 10PPB
Sample Info: 10PPB
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: vms03.i
Operator:
Column diameter: 0.18



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PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3071910NCC.b\20PPBNC.D
Lab Smp Id: 20PPB Client Smp ID: 20PPB
Inj Date : 19-JUL-2010 11:08
Operator : Inst ID: vms03.i
Smp Info : 20PPB
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Meth Date : 21-Jul-2010 10:36 mstephens Quant Type: ISTD
Cal Date : 12-JUL-2010 11:08 Cal File: 80PPB.D
Als bottle: 13 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				410517	40.0000	(a)
M 2 Xylenes (Total)	100				1194052	60.0000	(a)
M 3 Trihalomethanes (Total)	100				749929	20.0000	(a)
4 Dichlorodifluoromethane	85	1.371	1.368	(0.198)	220328	20.0000	19.2
5 Chloromethane	50	1.516	1.520	(0.220)	221974	20.0000	20.5
6 Vinyl Chloride	62	1.630	1.628	(0.236)	212071	20.0000	19.8
7 Bromomethane	96	1.949	1.949	(0.282)	115590	20.0000	19.3
8 Chloroethane	64	2.069	2.071	(0.299)	130854	20.0000	18.8
9 Trichlorofluoromethane	101	2.329	2.331	(0.337)	310249	20.0000	19.6
10 Acrolein	56	2.769	2.773	(0.401)	31092	40.0000	37.8
11 1,1,2 Trichlorotrifluoromethan	101	2.943	2.948	(0.426)	164189	20.0000	19.1
12 Acetone	43	2.966	2.967	(0.429)	82184	40.0000	37.7
13 1,1-Dichloroethene	61	2.906	2.904	(0.421)	257012	20.0000	18.7
109 t-Butyl-Alcohol	59	3.805	3.798	(0.551)	120625	200.000	187
14 Acetonitrile	41	3.343	3.348	(0.484)	346504	200.000	180(q)
15 Iodomethane	142	3.090	3.089	(0.447)	246712	20.0000	18.4
16 Methyl Acetate	43	3.419	3.411	(0.495)	106680	20.0000	18.3
17 Allyl Chloride	41	3.343	3.348	(0.484)	346563	20.0000	18.3
18 Carbon Disulfide	76	3.137	3.138	(0.454)	437414	20.0000	18.3
19 Methylene Chloride	49	3.581	3.586	(0.518)	276625	20.0000	18.4
20 Acrylonitrile	53	3.917	3.916	(0.567)	113742	40.0000	37.4
21 Methyl-tert-butyl ether	73	3.976	3.975	(0.575)	333021	20.0000	18.6
22 trans 1,2-Dichloroethene	61	3.931	3.932	(0.569)	235529	20.0000	19.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	4.588	4.587	(0.664)	281774	20.0000	18.3
	24 Vinyl Acetate	43	4.744	4.750	(0.687)	517236	20.0000	18.2
	25 Chloroprene	53	4.727	4.731	(0.684)	223424	20.0000	18.5
	26 2-Butanone	43	5.514	5.528	(0.798)	110165	40.0000	37.2
	27 Propionitrile	54	5.580	5.596	(0.808)	197123	200.000	189
	28 2,2-Dichloropropane	77	5.432	5.430	(0.786)	111439	20.0000	18.5
	29 cis-1,2-Dichloroethene	96	5.447	5.453	(0.788)	174988	20.0000	19.1
	30 Methyacrylonitrile	67	5.779	5.782	(0.837)	593060	200.000	192
	31 Isobutyl Alcohol	43	5.975	5.977	(0.865)	94006	400.000	344(Q)
	32 Chloroform	83	5.902	5.907	(0.854)	279067	20.0000	17.9
	33 Bromochloromethane	49	5.762	5.764	(0.834)	166434	20.0000	19.3
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.104	6.104	(0.884)	181579	20.0000	19.8
	35 1,1,1-Trichloroethane	97	6.097	6.103	(0.883)	211539	20.0000	18.4
	36 Cyclohexane	56	6.154	6.158	(0.891)	263022	20.0000	18.6(q)
	37 1,1-Dichloropropene	75	6.313	6.311	(0.914)	222547	20.0000	19.3
	38 Carbon tetrachloride	117	6.304	6.302	(0.912)	189422	20.0000	16.7
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.502	6.505	(0.941)	44015	20.0000	20.4(q)
	40 1,2-Dichloroethane	62	6.594	6.592	(0.955)	229001	20.0000	18.7
	41 Benzene	78	6.559	6.555	(0.949)	640589	20.0000	19.2
*	42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1581180	50.0000	
	43 Trichloroethylene	130	7.330	7.327	(1.061)	165210	20.0000	18.5
	44 Methyl Cyclohexane	55	7.534	7.530	(1.091)	146713	20.0000	18.6
	45 1,2-Dichloropropane	63	7.574	7.576	(1.096)	169510	20.0000	18.7
	46 Methyl Methacrylate	69	7.759	7.762	(1.123)	92726	20.0000	17.5
	47 Bromodichloromethane	83	7.892	7.891	(1.142)	223277	20.0000	18.5
	48 1,4 Dioxane	88	7.752	7.764	(1.122)	25772	400.000	404(q)
	49 Dibromomethane	93	7.700	7.695	(1.114)	99278	20.0000	18.1
	50 4-Methyl-2-Pentanone	58	8.558	8.563	(1.239)	91892	40.0000	37.6(q)
	51 2-Hexanone	43	9.421	9.425	(0.931)	156128	40.0000	37.2
	52 cis 1,3-Dichloropropene	75	8.377	8.382	(1.213)	242082	20.0000	19.3
$	53 TOLUENE d8 (surr)	98	8.650	8.651	(1.252)	694572	20.0000	19.8
	54 Toluene	92	8.719	8.718	(1.262)	402370	20.0000	19.5
	55 trans 1,3-Dichloropropene	75	8.962	8.964	(1.297)	193831	20.0000	17.2
	56 Ethyl Methacrylate	69	9.084	9.087	(1.315)	168412	20.0000	17.4
	57 1,1,2-Trichloroethane	97	9.144	9.145	(1.324)	137604	20.0000	18.3
	58 1,3-Dichloropropane	76	9.311	9.311	(0.920)	248673	20.0000	19.3
	59 Tetrachloroethylene	164	9.279	9.287	(0.917)	121635	20.0000	18.6
	60 Dibromochloromethane	129	9.539	9.546	(0.942)	155166	20.0000	18.7
	61 1,2-Dibromoethane	107	9.642	9.641	(0.953)	141904	20.0000	18.8
	62 1-Chlorohexane	91	10.147	10.147	(1.002)	180986	20.0000	17.6(Q)
*	63 CHLOROBENZENE d5 (IS)	117	10.122	10.121	(1.000)	1338984	50.0000	
	64 Chlorobenzene	112	10.150	10.150	(1.003)	456658	20.0000	19.0(q)
	65 1,1,1,2-Tetrachloroethane	131	10.240	10.235	(1.012)	153422	20.0000	18.8(q)
	66 Ethylbenzene	106	10.272	10.270	(1.015)	241772	20.0000	19.3
	67 p,m-Xylene	106	10.393	10.393	(1.027)	588544	40.0000	39.2
	68 o-Xylene	91	10.788	10.787	(1.066)	605508	20.0000	19.8
	69 Styrene	104	10.803	10.803	(1.067)	483558	20.0000	19.7
	70 Bromoform	173	10.977	10.981	(1.084)	92419	20.0000	18.9
	71 1-Methylethylbenzene	105	11.163	11.165	(0.896)	652769	20.0000	18.9
	72 1,4-Dichloro-2-Butene	53	11.230	11.227	(0.901)	36325	40.0000	32.9(q)
	73 1,1,2,2-Tetrachloroethane	83	11.462	11.462	(0.919)	181510	20.0000	18.2(q)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.308	11.308	(0.907)	249757	20.0000	19.1
	75 1,2,3- trichloropropane	110	11.501	11.500	(0.923)	52516	20.0000	18.4(q)
	76 n-Propylbenzene	91	11.575	11.579	(0.929)	804632	20.0000	19.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	11.451	11.453	(0.919)	294136	20.0000	18.2
78 1,3,5-Trimethylbenzene	105	11.756	11.755	(0.943)	580167	20.0000	19.4
79 2-Chlorotoluene	91	11.653	11.652	(0.935)	510222	20.0000	18.8
80 4-Chlorotoluene	91	11.762	11.762	(0.944)	591809	20.0000	18.8
81 tert-Butylbenzene	119	12.079	12.077	(0.969)	448081	20.0000	19.0
82 1,2,4-trimethylbenzene	105	12.128	12.129	(0.973)	629433	20.0000	19.6
123 1,2,3-Trimethylbenzene	105	12.548	12.547	(1.007)	661373	20.0000	19.1
83 sec-Butylbenzene	105	12.300	12.301	(0.987)	634648	20.0000	19.3
84 p-Isopropyltoluene	119	12.449	12.450	(0.999)	540344	20.0000	18.9
85 1,3-Dichlorobenzene	146	12.400	12.400	(0.995)	344255	20.0000	18.8
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	774491	50.0000	
87 1,4-Dichlorobenzene	146	12.489	12.488	(1.002)	360415	20.0000	18.5(q)
88 Benzyl Chloride	91	12.629	12.627	(1.013)	146410	20.0000	15.7
89 n-Butylbenzene	91	12.859	12.859	(1.032)	458326	20.0000	19.0
90 1,2-Dichlorobenzene	146	12.860	12.855	(1.032)	338443	20.0000	19.2
91 1,2-dibromo-3-chloropropane	75	13.638	13.639	(1.094)	26698	20.0000	17.5(q)
92 1,2,4-Trichlorobenzene	180	14.400	14.402	(1.155)	170493	20.0000	18.2
93 Hexachlorobutadiene	223	14.540	14.540	(1.166)	43887	20.0000	19.0(q)
94 Naphthalene	128	14.589	14.589	(1.170)	422966	20.0000	19.4
95 1,2,3-trichlorobenzene	180	14.767	14.765	(1.185)	156172	20.0000	19.3
103 Isopropyl Ether	45	4.776	4.780	(0.691)	511773	20.0000	19.0
104 Ethyl acetate	43	5.634	5.639	(0.815)	239679	40.0000	37.0
105 Cyclohexanone	55	11.243	11.244	(1.111)	58766	200.000	201
106 Ethyl ether	59	2.630	2.635	(0.381)	125379	20.0000	18.7(q)
107 2-Nitropropane	43	8.145	8.148	(1.179)	62108	40.0000	34.8
108 Tetrahydrofuran	42	5.835	5.855	(0.845)	76311	40.0000	39.8
110 Chlorotrifluoroethylene	116	1.326	1.328	(0.192)	27564	20.0000	19.0
111 Isobutene	41	1.582	1.601	(0.229)	97070	400.000	317(A)
112 Ethanol	45	2.547	2.547	(0.369)	29706	1600.00	1280(M)
113 2-chloro-1,1,1-trifluoroethan	118	1.744	1.745	(0.253)	214987	20.0000	19.2
114 Bromoethane	108	3.156	3.158	(0.457)	118265	20.0000	19.3(q)
115 n-Hexane	57	4.395	4.393	(0.636)	149900	20.0000	18.4
116 tert-Butyl ethyl ether	59	5.307	5.305	(0.768)	336264	20.0000	18.4
117 t-butyl formate	59	5.978	5.977	(0.865)	595357	400.000	334(Q)
118 tert-Amyl alcohol	59	6.677	6.680	(0.966)	139453	400.000	345(q)
119 tert-Amyl-methyl ether	73	6.749	6.749	(0.977)	350333	20.0000	19.2
120 3,3-dimethyl-1-butanol	57	9.643	9.644	(1.396)	135237	400.000	341
121 2-Cleve	63	8.246	8.252	(1.194)	213446	40.0000	41.6

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 20PPBNC.D
Lab Smp Id: 20PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 20PPB
Level: LOW
Sample Type: WATER

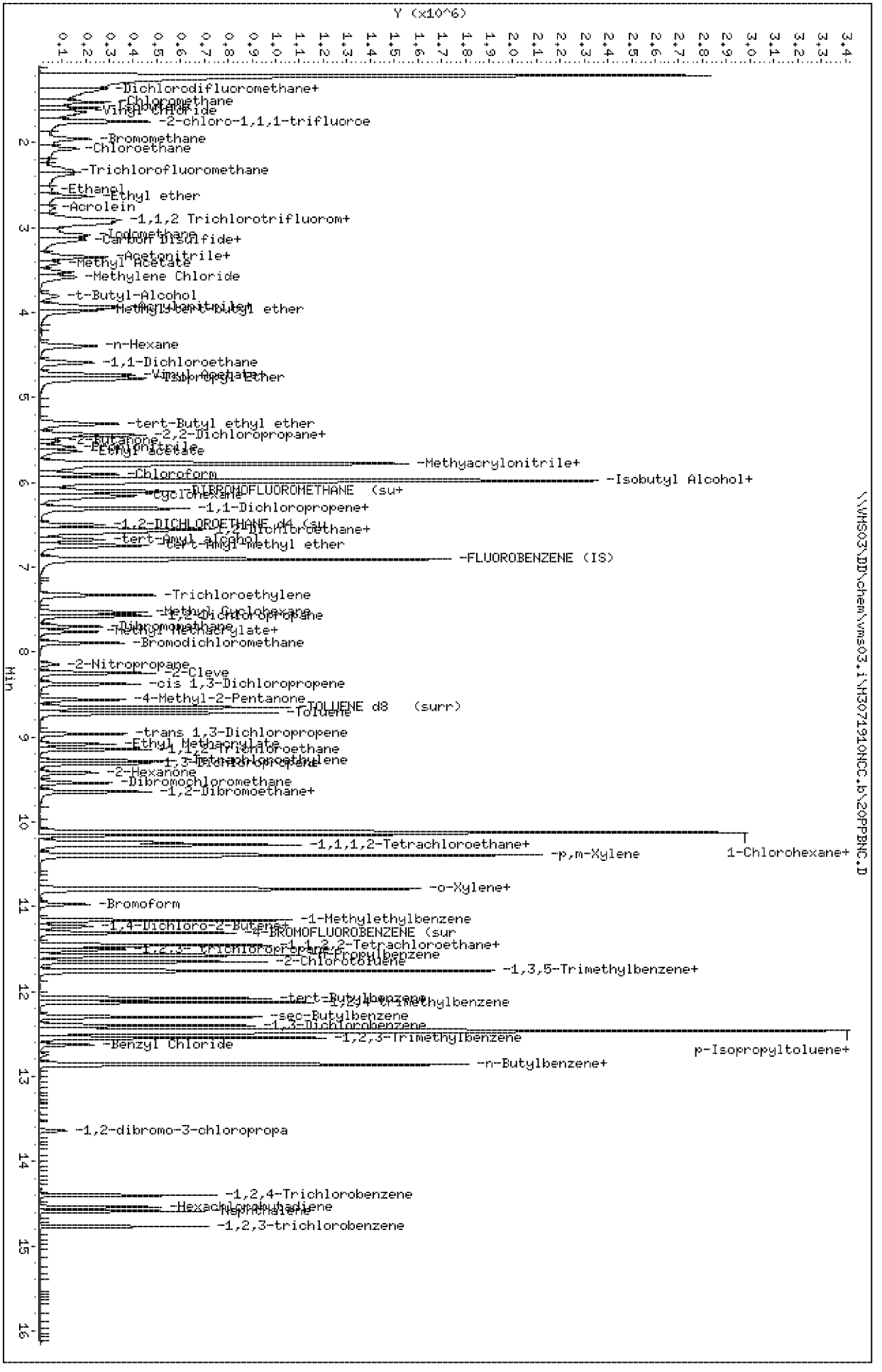
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1581180	-1.12
63 CHLOROBENZENE d5	1329024	664512	2658048	1338984	0.75
86 1,4-DICHLOROBENZE	751249	375625	1502498	774491	3.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	-0.00
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.00
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3071910NCC.b\20PPBNC.D
Date : 19-JUL-2010 11:08
Client ID: 20PPB
Sample Info: 20PPB
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: vms03.i
Operator:
Column diameter: 0.18



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PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3071910NCC.b\50PPBNC.D
Lab Smp Id: 50PPB Client Smp ID: 50PPB
Inj Date : 19-JUL-2010 11:32
Operator : Inst ID: vms03.i
Smp Info : 50PPB
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Meth Date : 21-Jul-2010 10:36 mstephens Quant Type: ISTD
Cal Date : 19-JUL-2010 11:32 Cal File: 50PPB.D
Als bottle: 14 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1122187	100.000	(a)
M 2 Xylenes (Total)	100				3266897	150.000	(a)
M 3 Trihalomethanes (Total)	100				2146373	50.0000	(a)
4 Dichlorodifluoromethane	85	1.370	1.368	(0.198)	565307	50.0000	48.6
5 Chloromethane	50	1.517	1.520	(0.220)	500379	50.0000	45.7
6 Vinyl Chloride	62	1.637	1.628	(0.237)	551222	50.0000	51.0
7 Bromomethane	96	1.948	1.949	(0.282)	280658	50.0000	46.4
8 Chloroethane	64	2.067	2.071	(0.299)	340380	50.0000	48.3
9 Trichlorofluoromethane	101	2.328	2.331	(0.337)	802252	50.0000	50.2
10 Acrolein	56	2.769	2.773	(0.401)	86000	100.000	103(q)
11 1,1,2 Trichlorotrifluoromethan	101	2.943	2.948	(0.426)	430548	50.0000	49.5
12 Acetone	43	2.965	2.967	(0.429)	202271	100.000	96.5
13 1,1-Dichloroethene	61	2.904	2.904	(0.420)	710628	50.0000	51.0
109 t-Butyl-Alcohol	59	3.807	3.798	(0.551)	332227	500.000	509
14 Acetonitrile	41	3.344	3.348	(0.484)	964890	500.000	497(q)
15 Iodomethane	142	3.091	3.089	(0.447)	699062	50.0000	51.6
16 Methyl Acetate	43	3.417	3.411	(0.495)	283133	50.0000	47.9
17 Allyl Chloride	41	3.344	3.348	(0.484)	964890	50.0000	50.5
18 Carbon Disulfide	76	3.137	3.138	(0.454)	1218737	50.0000	50.5
19 Methylene Chloride	49	3.580	3.586	(0.518)	736635	50.0000	48.7
20 Acrylonitrile	53	3.911	3.916	(0.566)	315724	100.000	103
21 Methyl-tert-butyl ether	73	3.976	3.975	(0.575)	935349	50.0000	51.6
22 trans 1,2-Dichloroethene	61	3.931	3.932	(0.569)	655280	50.0000	52.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	4.589	4.587	(0.664)	787201	50.0000	50.5
	24 Vinyl Acetate	43	4.743	4.750	(0.686)	1481842	50.0000	51.6
	25 Chloroprene	53	4.725	4.731	(0.684)	668110	50.0000	54.8
	26 2-Butanone	43	5.509	5.528	(0.797)	297380	100.000	99.2
	27 Propionitrile	54	5.579	5.596	(0.808)	528649	500.000	501
	28 2,2-Dichloropropane	77	5.431	5.430	(0.786)	318494	50.0000	52.4
	29 cis-1,2-Dichloroethene	96	5.446	5.453	(0.788)	466907	50.0000	50.3
	30 Methyacrylonitrile	67	5.781	5.782	(0.837)	1601478	500.000	514
	31 Isobutyl Alcohol	43	5.980	5.977	(0.866)	280113	1000.00	1020(Q)
	32 Chloroform	83	5.902	5.907	(0.854)	780695	50.0000	49.6
	33 Bromochloromethane	49	5.762	5.764	(0.834)	435597	50.0000	49.8
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.104	6.104	(0.883)	469185	50.0000	50.5
	35 1,1,1-Trichloroethane	97	6.099	6.103	(0.883)	615509	50.0000	53.0
	36 Cyclohexane	56	6.156	6.158	(0.891)	751081	50.0000	52.6(q)
	37 1,1-Dichloropropene	75	6.313	6.311	(0.914)	613974	50.0000	52.8
	38 Carbon tetrachloride	117	6.304	6.302	(0.912)	565666	50.0000	46.2
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.503	6.505	(0.941)	109921	50.0000	50.4(q)
	40 1,2-Dichloroethane	62	6.594	6.592	(0.954)	644069	50.0000	52.1
	41 Benzene	78	6.560	6.555	(0.950)	1760518	50.0000	52.3
*	42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1599057	50.0000	
	43 Trichloroethylene	130	7.330	7.327	(1.061)	463355	50.0000	51.4
	44 Methyl Cyclohexane	55	7.533	7.530	(1.090)	425765	50.0000	53.5
	45 1,2-Dichloropropane	63	7.573	7.576	(1.096)	490485	50.0000	53.5
	46 Methyl Methacrylate	69	7.759	7.762	(1.123)	272794	50.0000	47.9
	47 Bromodichloromethane	83	7.892	7.891	(1.142)	641957	50.0000	52.6
	48 1,4 Dioxane	88	7.751	7.764	(1.122)	66317	1000.00	1030(Q)
	49 Dibromomethane	93	7.698	7.695	(1.114)	276025	50.0000	49.8
	50 4-Methyl-2-Pentanone	58	8.560	8.563	(1.239)	265735	100.000	107(Q)
	51 2-Hexanone	43	9.420	9.425	(0.931)	443860	100.000	106
	52 cis 1,3-Dichloropropene	75	8.377	8.382	(1.212)	707103	50.0000	55.7
$	53 TOLUENE d8 (surr)	98	8.650	8.651	(1.252)	1813654	50.0000	51.2
	54 Toluene	92	8.719	8.718	(1.262)	1095789	50.0000	52.4
	55 trans 1,3-Dichloropropene	75	8.966	8.964	(1.298)	585971	50.0000	47.6
	56 Ethyl Methacrylate	69	9.084	9.087	(1.315)	512510	50.0000	48.1
	57 1,1,2-Trichloroethane	97	9.145	9.145	(1.324)	386057	50.0000	50.7
	58 1,3-Dichloropropane	76	9.312	9.311	(0.920)	688281	50.0000	53.9
	59 Tetrachloroethylene	164	9.281	9.287	(0.917)	338709	50.0000	52.3
	60 Dibromochloromethane	129	9.540	9.546	(0.943)	453062	50.0000	54.9
	61 1,2-Dibromoethane	107	9.642	9.641	(0.953)	396079	50.0000	52.8
	62 1-Chlorohexane	91	10.147	10.147	(1.003)	509221	50.0000	50.0(Q)
*	63 CHLOROBENZENE d5 (IS)	117	10.122	10.121	(1.000)	1329024	50.0000	
	64 Chlorobenzene	112	10.151	10.150	(1.003)	1233637	50.0000	51.8(Q)
	65 1,1,1,2-Tetrachloroethane	131	10.240	10.235	(1.012)	446287	50.0000	55.1(Q)
	66 Ethylbenzene	106	10.273	10.270	(1.015)	667395	50.0000	53.6
	67 p,m-Xylene	106	10.392	10.393	(1.027)	1616966	100.000	108
	68 o-Xylene	91	10.788	10.787	(1.066)	1649931	50.0000	54.3
	69 Styrene	104	10.802	10.803	(1.067)	1376353	50.0000	56.4
	70 Bromoform	173	10.977	10.981	(1.085)	270659	50.0000	55.8
	71 1-Methylethylbenzene	105	11.164	11.165	(0.896)	1850815	50.0000	55.2
	72 1,4-Dichloro-2-Butene	53	11.229	11.227	(0.901)	125064	100.000	97.3(q)
	73 1,1,2,2-Tetrachloroethane	83	11.462	11.462	(0.919)	490871	50.0000	50.7(Q)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.308	11.308	(0.907)	668191	50.0000	52.8
	75 1,2,3- trichloropropane	110	11.501	11.500	(0.923)	146531	50.0000	52.8(Q)
	76 n-Propylbenzene	91	11.575	11.579	(0.929)	2163582	50.0000	54.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	11.451	11.453	(0.919)	830258	50.0000	53.1
78 1,3,5-Trimethylbenzene	105	11.756	11.755	(0.943)	1595221	50.0000	54.9
79 2-Chlorotoluene	91	11.654	11.652	(0.935)	1409551	50.0000	53.4
80 4-Chlorotoluene	91	11.762	11.762	(0.944)	1634376	50.0000	53.6
81 tert-Butylbenzene	119	12.079	12.077	(0.969)	1276641	50.0000	55.8
82 1,2,4-trimethylbenzene	105	12.128	12.129	(0.973)	1705075	50.0000	54.9
123 1,2,3-Trimethylbenzene	105	12.548	12.547	(1.007)	1804657	50.0000	53.8
83 sec-Butylbenzene	105	12.300	12.301	(0.987)	1765669	50.0000	55.4
84 p-Isopropyltoluene	119	12.449	12.450	(0.999)	1517524	50.0000	54.8
85 1,3-Dichlorobenzene	146	12.400	12.400	(0.995)	943089	50.0000	53.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	751249	50.0000	
87 1,4-Dichlorobenzene	146	12.489	12.488	(1.002)	982259	50.0000	52.0(Q)
88 Benzyl Chloride	91	12.629	12.627	(1.013)	490781	50.0000	47.1
89 n-Butylbenzene	91	12.858	12.859	(1.031)	1279373	50.0000	54.8
90 1,2-Dichlorobenzene	146	12.860	12.855	(1.032)	920688	50.0000	53.7
91 1,2-dibromo-3-chloropropane	75	13.637	13.639	(1.094)	80049	50.0000	54.2(q)
92 1,2,4-Trichlorobenzene	180	14.401	14.402	(1.155)	516467	50.0000	56.7
93 Hexachlorobutadiene	223	14.542	14.540	(1.167)	116234	50.0000	51.9(Q)
94 Naphthalene	128	14.590	14.589	(1.170)	1243353	50.0000	58.9
95 1,2,3-trichlorobenzene	180	14.769	14.765	(1.185)	442378	50.0000	56.5
103 Isopropyl Ether	45	4.776	4.780	(0.691)	1422534	50.0000	52.3
104 Ethyl acetate	43	5.632	5.639	(0.815)	660015	100.000	101
105 Cyclohexanone	55	11.243	11.244	(1.111)	142973	500.000	492
106 Ethyl ether	59	2.630	2.635	(0.381)	336462	50.0000	49.7(q)
107 2-Nitropropane	43	8.145	8.148	(1.179)	191847	100.000	106
108 Tetrahydrofuran	42	5.835	5.855	(0.845)	187168	100.000	96.4
110 Chlorotrifluoroethylene	116	1.333	1.328	(0.193)	81690	50.0000	50.1
111 Isobutene	41	1.582	1.601	(0.229)	239236	1000.00	773(A)
112 Ethanol	45	2.546	2.547	(0.369)	91638	4000.00	3920(M)
113 2-chloro-1,1,1-trifluoroethan	118	1.743	1.745	(0.252)	565357	50.0000	49.9
114 Bromoethane	108	3.154	3.158	(0.457)	316725	50.0000	51.0
115 n-Hexane	57	4.395	4.393	(0.636)	443189	50.0000	53.7
116 tert-Butyl ethyl ether	59	5.308	5.305	(0.768)	990016	50.0000	53.4
117 t-butyl formate	59	5.980	5.977	(0.866)	1825889	1000.00	915(Q)
118 tert-Amyl alcohol	59	6.677	6.680	(0.966)	417392	1000.00	948(Q)
119 tert-Amyl-methyl ether	73	6.749	6.749	(0.977)	1018031	50.0000	55.0
120 3,3-dimethyl-1-butanol	57	9.643	9.644	(1.396)	405406	1000.00	916
121 2-Cleve	63	8.245	8.252	(1.193)	568755	100.000	110

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 50PPBNC.D
Lab Smp Id: 50PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 50PPB
Level: LOW
Sample Type: WATER

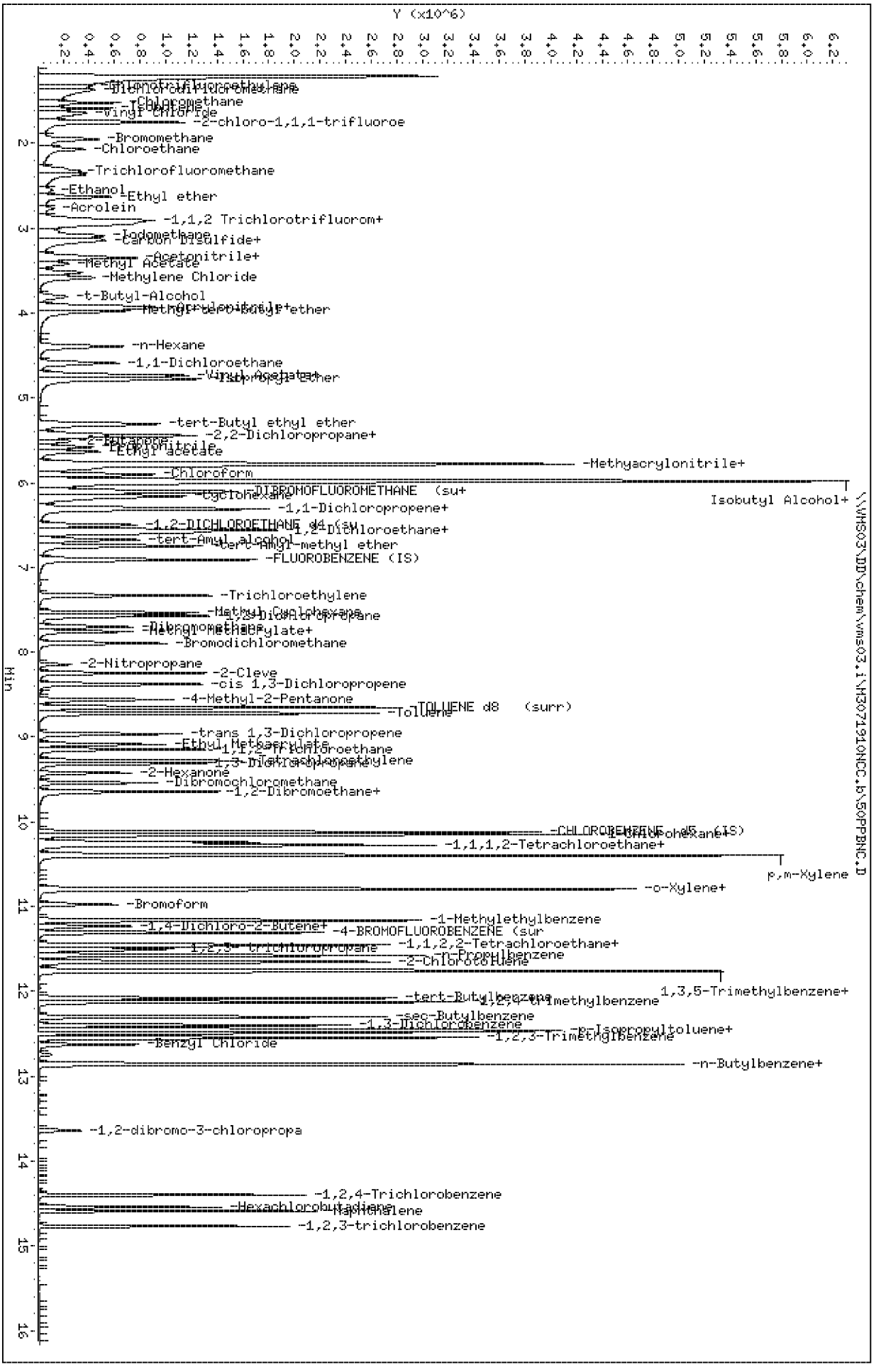
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1599057	0.00
63 CHLOROBENZENE d5	1329024	664512	2658048	1329024	0.00
86 1,4-DICHLOROBENZE	751249	375625	1502498	751249	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.00
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.00
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3071910NCC.b\50PPBNC.D
Date : 19-JUL-2010 11:32
Client ID: 50PPB
Sample Info: 50PPB
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3071910NCC.b\60PPBNC.D
Lab Smp Id: 60PPB Client Smp ID: 60PPB
Inj Date : 19-JUL-2010 11:56
Operator : Inst ID: vms03.i
Smp Info : 60PPB
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Meth Date : 21-Jul-2010 10:36 mstephens Quant Type: ISTD
Cal Date : 19-JUL-2010 11:32 Cal File: 50PPB.D
Als bottle: 15 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1464134	120.000	(a)
M 2 Xylenes (Total)	100				4240223	180.000	(a)
M 3 Trihalomethanes (Total)	100				2789252	60.0000	(a)
4 Dichlorodifluoromethane	85	1.370	1.368	(0.198)	729337	60.0000	61.8
5 Chloromethane	50	1.517	1.520	(0.220)	629857	60.0000	56.7
6 Vinyl Chloride	62	1.638	1.628	(0.237)	702820	60.0000	64.2
7 Bromomethane	96	1.947	1.949	(0.282)	335159	60.0000	54.7
8 Chloroethane	64	2.068	2.071	(0.299)	422805	60.0000	59.2
9 Trichlorofluoromethane	101	2.328	2.331	(0.337)	1040701	60.0000	64.2
10 Acrolein	56	2.769	2.773	(0.401)	103988	120.000	123
11 1,1,2 Trichlorotrifluoromethan	101	2.944	2.948	(0.426)	553083	60.0000	62.8
12 Acetone	43	2.965	2.967	(0.429)	260616	120.000	124
13 1,1-Dichloroethene	61	2.906	2.904	(0.421)	955102	60.0000	67.7
109 t-Butyl-Alcohol	59	3.809	3.798	(0.551)	466091	600.000	704
14 Acetonitrile	41	3.344	3.348	(0.484)	1249245	600.000	635(q)
15 Iodomethane	142	3.092	3.089	(0.448)	910239	60.0000	66.3
16 Methyl Acetate	43	3.418	3.411	(0.495)	364370	60.0000	60.9
17 Allyl Chloride	41	3.344	3.348	(0.484)	1249245	60.0000	64.5
18 Carbon Disulfide	76	3.137	3.138	(0.454)	1637815	60.0000	67.0
19 Methylene Chloride	49	3.583	3.586	(0.519)	946672	60.0000	61.8
20 Acrylonitrile	53	3.911	3.916	(0.566)	393157	120.000	126
21 Methyl-tert-butyl ether	73	3.976	3.975	(0.576)	1287521	60.0000	70.2
22 trans 1,2-Dichloroethene	61	3.931	3.932	(0.569)	848696	60.0000	67.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	4.588	4.587	(0.664)	1036398	60.0000	65.6
	24 Vinyl Acetate	43	4.742	4.750	(0.686)	1896560	60.0000	65.1
	25 Chloroprene	53	4.726	4.731	(0.684)	875265	60.0000	70.9
	26 2-Butanone	43	5.511	5.528	(0.798)	396287	120.000	130
	27 Propionitrile	54	5.578	5.596	(0.807)	703943	600.000	659
	28 2,2-Dichloropropane	77	5.431	5.430	(0.786)	431001	60.0000	70.0
	29 cis-1,2-Dichloroethene	96	5.447	5.453	(0.788)	615438	60.0000	65.4
	30 Methyacrylonitrile	67	5.781	5.782	(0.837)	2055772	600.000	651
	31 Isobutyl Alcohol	43	5.981	5.977	(0.866)	385344	1200.00	1380(Q)
	32 Chloroform	83	5.903	5.907	(0.854)	1017770	60.0000	63.8
	33 Bromochloromethane	49	5.763	5.764	(0.834)	563653	60.0000	63.6
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.105	6.104	(0.884)	585291	60.0000	62.2
	35 1,1,1-Trichloroethane	97	6.099	6.103	(0.883)	836371	60.0000	71.0
	36 Cyclohexane	56	6.157	6.158	(0.891)	992736	60.0000	68.6(q)
	37 1,1-Dichloropropene	75	6.313	6.311	(0.914)	810474	60.0000	68.7
	38 Carbon tetrachloride	117	6.304	6.302	(0.912)	783858	60.0000	62.6(A)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.502	6.505	(0.941)	137955	60.0000	62.4(q)
	40 1,2-Dichloroethane	62	6.594	6.592	(0.954)	827283	60.0000	66.0
	41 Benzene	78	6.560	6.555	(0.950)	2288182	60.0000	67.1
*	42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1620514	50.0000	
	43 Trichloroethylene	130	7.331	7.327	(1.061)	607122	60.0000	66.5
	44 Methyl Cyclohexane	55	7.534	7.530	(1.091)	583932	60.0000	72.4
	45 1,2-Dichloropropane	63	7.574	7.576	(1.096)	619563	60.0000	66.6
	46 Methyl Methacrylate	69	7.759	7.762	(1.123)	361392	60.0000	62.1
	47 Bromodichloromethane	83	7.892	7.891	(1.142)	822160	60.0000	66.5
	48 1,4 Dioxane	88	7.750	7.764	(1.122)	91160	1200.00	1400(q)
	49 Dibromomethane	93	7.699	7.695	(1.114)	368457	60.0000	65.6
	50 4-Methyl-2-Pentanone	58	8.560	8.563	(1.239)	358656	120.000	143(q)
	51 2-Hexanone	43	9.421	9.425	(0.931)	604224	120.000	142
	52 cis 1,3-Dichloropropene	75	8.377	8.382	(1.212)	935592	60.0000	72.7
$	53 TOLUENE d8 (surr)	98	8.651	8.651	(1.252)	2242811	60.0000	62.4
	54 Toluene	92	8.719	8.718	(1.262)	1414014	60.0000	66.8
	55 trans 1,3-Dichloropropene	75	8.963	8.964	(1.297)	781119	60.0000	61.9
	56 Ethyl Methacrylate	69	9.085	9.087	(1.315)	678527	60.0000	62.2(A)
	57 1,1,2-Trichloroethane	97	9.146	9.145	(1.324)	502898	60.0000	65.2
	58 1,3-Dichloropropane	76	9.312	9.311	(0.920)	884936	60.0000	67.6
	59 Tetrachloroethylene	164	9.281	9.287	(0.917)	459245	60.0000	69.2
	60 Dibromochloromethane	129	9.539	9.546	(0.942)	594958	60.0000	70.4
	61 1,2-Dibromoethane	107	9.644	9.641	(0.953)	518817	60.0000	67.6
	62 1-Chlorohexane	91	10.148	10.147	(1.002)	691418	60.0000	66.3(q)
*	63 CHLOROBENZENE d5 (IS)	117	10.122	10.121	(1.000)	1360681	50.0000	
	64 Chlorobenzene	112	10.150	10.150	(1.003)	1581967	60.0000	64.9(q)
	65 1,1,1,2-Tetrachloroethane	131	10.239	10.235	(1.012)	583761	60.0000	70.4(q)
	66 Ethylbenzene	106	10.273	10.270	(1.015)	879991	60.0000	69.1
	67 p,m-Xylene	106	10.393	10.393	(1.027)	2082467	120.000	137
	68 o-Xylene	91	10.787	10.787	(1.066)	2157756	60.0000	69.3
	69 Styrene	104	10.803	10.803	(1.067)	1755432	60.0000	70.3
	70 Bromoform	173	10.977	10.981	(1.084)	354364	60.0000	71.4
	71 1-Methylethylbenzene	105	11.164	11.165	(0.895)	2404386	60.0000	69.6
	72 1,4-Dichloro-2-Butene	53	11.230	11.227	(0.901)	156677	120.000	117(q)
	73 1,1,2,2-Tetrachloroethane	83	11.463	11.462	(0.919)	617516	60.0000	61.9(q)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.309	11.308	(0.907)	827391	60.0000	63.5
	75 1,2,3- trichloropropane	110	11.501	11.500	(0.922)	189448	60.0000	66.3(q)
	76 n-Propylbenzene	91	11.576	11.579	(0.928)	2822174	60.0000	69.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	11.452	11.453	(0.919)	1086195	60.0000	67.5
78 1,3,5-Trimethylbenzene	105	11.756	11.755	(0.943)	2074949	60.0000	69.3
79 2-Chlorotoluene	91	11.654	11.652	(0.935)	1841886	60.0000	67.8
80 4-Chlorotoluene	91	11.762	11.762	(0.943)	2097023	60.0000	66.8
81 tert-Butylbenzene	119	12.079	12.077	(0.969)	1673828	60.0000	71.1
82 1,2,4-trimethylbenzene	105	12.128	12.129	(0.973)	2187154	60.0000	68.4
123 1,2,3-Trimethylbenzene	105	12.548	12.547	(1.007)	2173459	60.0000	62.9
83 sec-Butylbenzene	105	12.300	12.301	(0.987)	2293245	60.0000	69.8
84 p-Isopropyltoluene	119	12.450	12.450	(0.999)	1989854	60.0000	69.8
85 1,3-Dichlorobenzene	146	12.401	12.400	(0.995)	1229893	60.0000	67.1
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.467	12.466	(1.000)	773595	50.0000	(q)
87 1,4-Dichlorobenzene	146	12.490	12.488	(1.002)	1228146	60.0000	63.1(q)
88 Benzyl Chloride	91	12.629	12.627	(1.013)	662152	60.0000	60.8
89 n-Butylbenzene	91	12.859	12.859	(1.031)	1686524	60.0000	70.1
90 1,2-Dichlorobenzene	146	12.860	12.855	(1.032)	1166557	60.0000	66.1
91 1,2-dibromo-3-chloropropane	75	13.638	13.639	(1.094)	107667	60.0000	70.7(q)
92 1,2,4-Trichlorobenzene	180	14.401	14.402	(1.155)	682754	60.0000	72.8
93 Hexachlorobutadiene	223	14.540	14.540	(1.166)	158737	60.0000	68.8(q)
94 Naphthalene	128	14.588	14.589	(1.170)	1655243	60.0000	76.2
95 1,2,3-trichlorobenzene	180	14.767	14.765	(1.184)	588090	60.0000	72.9
103 Isopropyl Ether	45	4.776	4.780	(0.691)	1869889	60.0000	67.8
104 Ethyl acetate	43	5.632	5.639	(0.815)	871431	120.000	131
105 Cyclohexanone	55	11.243	11.244	(1.111)	197194	600.000	663
106 Ethyl ether	59	2.630	2.635	(0.381)	436240	60.0000	63.6
107 2-Nitropropane	43	8.144	8.148	(1.179)	252860	120.000	138
108 Tetrahydrofuran	42	5.834	5.855	(0.844)	247239	120.000	126
110 Chlorotrifluoroethylene	116	1.327	1.328	(0.192)	92766	60.0000	55.8
111 Isobutene	41	1.581	1.601	(0.229)	313626	1200.00	999(A)
112 Ethanol	45	2.553	2.547	(0.370)	115680	4800.00	4880(M)
113 2-chloro-1,1,1-trifluoroethan	118	1.744	1.745	(0.252)	709197	60.0000	61.8
114 Bromoethane	108	3.156	3.158	(0.457)	418057	60.0000	66.4
115 n-Hexane	57	4.393	4.393	(0.636)	599682	60.0000	71.7
116 tert-Butyl ethyl ether	59	5.308	5.305	(0.768)	1313728	60.0000	70.0
117 t-butyl formate	59	5.981	5.977	(0.866)	2521577	1200.00	1230(q)
118 tert-Amyl alcohol	59	6.678	6.680	(0.967)	563852	1200.00	1250(q)
119 tert-Amyl-methyl ether	73	6.749	6.749	(0.977)	1344589	60.0000	71.7
120 3,3-dimethyl-1-butanol	57	9.643	9.644	(1.396)	586389	1200.00	1290
121 2-Cleve	63	8.246	8.252	(1.194)	687525	120.000	131

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 60PPBNC.D
Lab Smp Id: 60PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 60PPB
Level: LOW
Sample Type: WATER

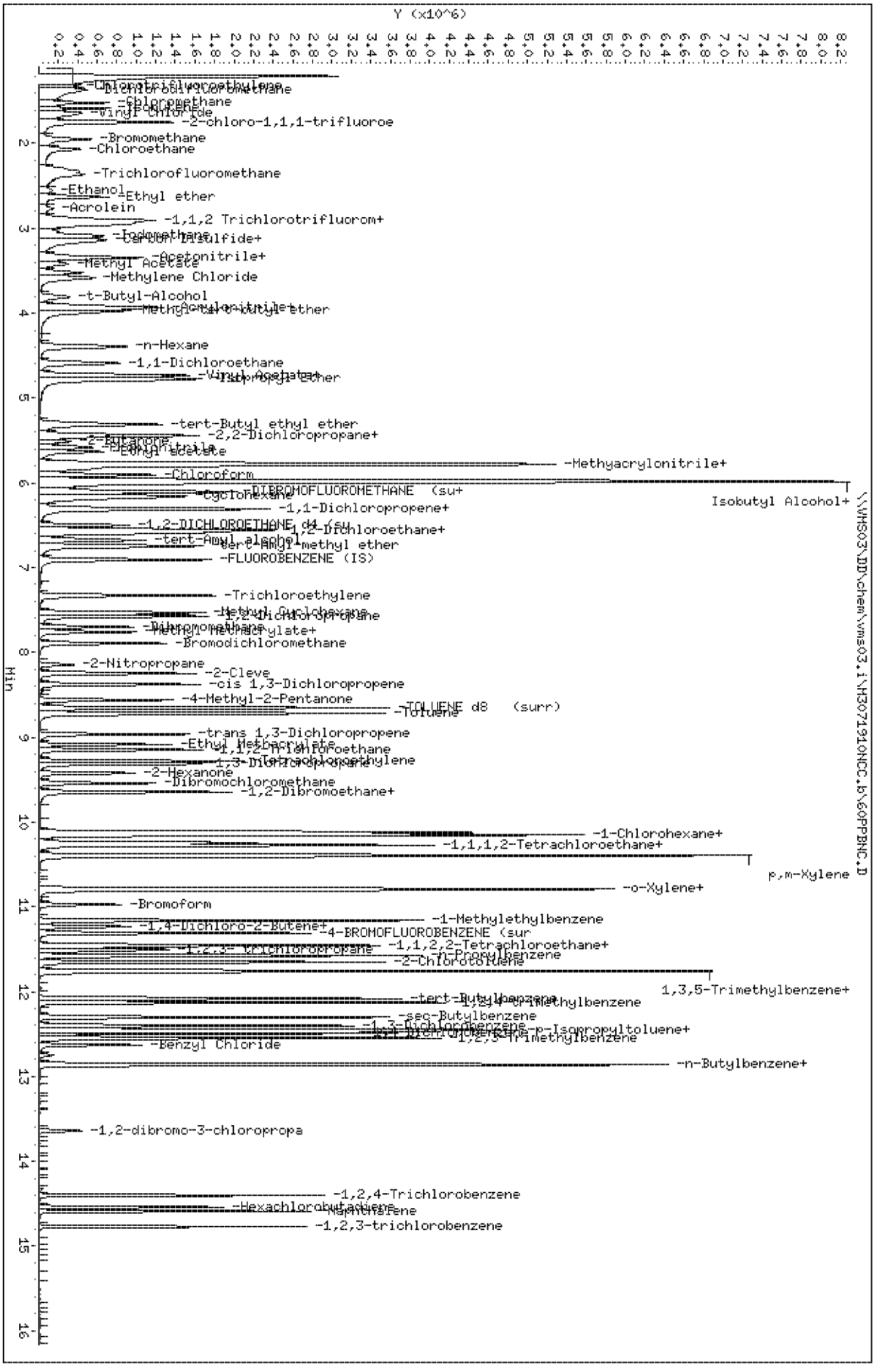
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1620514	1.34
63 CHLOROBENZENE d5	1329024	664512	2658048	1360681	2.38
86 1,4-DICHLOROBENZE	751249	375625	1502498	773595	2.97

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	-0.00
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.01
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3071910NCC.b\60PPBNC.D
Date : 19-JUL-2010 11:56
Client ID: 60PPB
Sample Info: 60PPB
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: vms03.i
Operator:
Column diameter: 0.18



Page 5

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3071910NCC.b\80PPBNC.D
Lab Smp Id: 80PPB Client Smp ID: 80PPB
Inj Date : 19-JUL-2010 12:20
Operator : Inst ID: vms03.i
Smp Info : 80PPB
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Meth Date : 21-Jul-2010 10:36 mstephens Quant Type: ISTD
Cal Date : 19-JUL-2010 11:32 Cal File: 50PPB.D
Als bottle: 16 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1920765	160.000	(a)
M 2 Xylenes (Total)	100				5450474	240.000	(a)
M 3 Trihalomethanes (Total)	100				3614813	80.0000	(a)
4 Dichlorodifluoromethane	85	1.369	1.368	(0.198)	962635	80.0000	80.5(A)
5 Chloromethane	50	1.517	1.520	(0.220)	827173	80.0000	73.5
6 Vinyl Chloride	62	1.639	1.628	(0.237)	927647	80.0000	83.6(A)
7 Bromomethane	96	1.946	1.949	(0.282)	444507	80.0000	71.6
8 Chloroethane	64	2.066	2.071	(0.299)	563275	80.0000	77.8
9 Trichlorofluoromethane	101	2.327	2.331	(0.337)	1396875	80.0000	85.0(A)
10 Acrolein	56	2.769	2.773	(0.401)	147185	160.000	172(A)
11 1,1,2 Trichlorotrifluoromethan	101	2.942	2.948	(0.426)	742196	80.0000	83.1(A)
12 Acetone	43	2.965	2.967	(0.429)	339482	160.000	160
13 1,1-Dichloroethene	61	2.905	2.904	(0.420)	1234703	80.0000	86.3(A)
109 t-Butyl-Alcohol	59	3.809	3.798	(0.551)	612114	800.000	913(A)
14 Acetonitrile	41	3.344	3.348	(0.484)	1635891	800.000	820(Aq)
15 Iodomethane	142	3.091	3.089	(0.447)	1183701	80.0000	85.1(A)
16 Methyl Acetate	43	3.417	3.411	(0.495)	469459	80.0000	77.4
17 Allyl Chloride	41	3.344	3.348	(0.484)	1635891	80.0000	83.4(A)
18 Carbon Disulfide	76	3.138	3.138	(0.454)	2132164	80.0000	86.1(A)
19 Methylene Chloride	49	3.581	3.586	(0.518)	1236988	80.0000	79.7
20 Acrylonitrile	53	3.913	3.916	(0.566)	502161	160.000	159
21 Methyl-tert-butyl ether	73	3.976	3.975	(0.576)	1648387	80.0000	88.6(A)
22 trans 1,2-Dichloroethene	61	3.931	3.932	(0.569)	1108123	80.0000	86.5(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	4.589	4.587	(0.664)	1348682	80.0000	84.3(A)
	24 Vinyl Acetate	43	4.742	4.750	(0.686)	2499978	80.0000	84.7(A)
	25 Chloroprene	53	4.727	4.731	(0.684)	1134308	80.0000	90.6(A)
	26 2-Butanone	43	5.510	5.528	(0.797)	514132	160.000	167(A)
	27 Propionitrile	54	5.579	5.596	(0.807)	909558	800.000	840(A)
	28 2,2-Dichloropropane	77	5.431	5.430	(0.786)	560200	80.0000	89.7(A)
	29 cis-1,2-Dichloroethene	96	5.447	5.453	(0.788)	812642	80.0000	85.2(A)
	30 Methyacrylonitrile	67	5.783	5.782	(0.837)	2627466	800.000	821(A)
	31 Isobutyl Alcohol	43	5.985	5.977	(0.866)	525048	1600.00	1850(AQ)
	32 Chloroform	83	5.905	5.907	(0.855)	1309478	80.0000	80.9(A)
	33 Bromochloromethane	49	5.761	5.764	(0.834)	726811	80.0000	81.0(A)
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.105	6.104	(0.884)	776234	80.0000	81.3(A)
	35 1,1,1-Trichloroethane	97	6.100	6.103	(0.883)	1086767	80.0000	91.0(A)
	36 Cyclohexane	56	6.159	6.158	(0.891)	1260169	80.0000	85.9(Aq)
	37 1,1-Dichloropropene	75	6.314	6.311	(0.914)	1081888	80.0000	90.5(A)
	38 Carbon tetrachloride	117	6.304	6.302	(0.912)	1031758	80.0000	80.8(A)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.503	6.505	(0.941)	177524	80.0000	79.3(q)
	40 1,2-Dichloroethane	62	6.594	6.592	(0.954)	1082035	80.0000	85.2(A)
	41 Benzene	78	6.561	6.555	(0.950)	2900679	80.0000	83.9(A)
*	42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1642468	50.0000	
	43 Trichloroethylene	130	7.331	7.327	(1.061)	808866	80.0000	87.4(A)
	44 Methyl Cyclohexane	55	7.534	7.530	(1.090)	783150	80.0000	95.8(A)
	45 1,2-Dichloropropane	63	7.575	7.576	(1.096)	816229	80.0000	86.6(A)
	46 Methyl Methacrylate	69	7.760	7.762	(1.123)	474795	80.0000	80.1(A)
	47 Bromodichloromethane	83	7.893	7.891	(1.142)	1056156	80.0000	84.2(A)
	48 1,4 Dioxane	88	7.749	7.764	(1.122)	112908	1600.00	1710(Aq)
	49 Dibromomethane	93	7.699	7.695	(1.114)	472794	80.0000	83.0(A)
	50 4-Methyl-2-Pentanone	58	8.560	8.563	(1.239)	474072	160.000	186(Aq)
	51 2-Hexanone	43	9.420	9.425	(0.931)	793198	160.000	182(A)
	52 cis 1,3-Dichloropropene	75	8.377	8.382	(1.212)	1207185	80.0000	92.6(A)
$	53 TOLUENE d8 (surr)	98	8.651	8.651	(1.252)	2892364	80.0000	79.4
	54 Toluene	92	8.720	8.718	(1.262)	1826030	80.0000	85.1(A)
	55 trans 1,3-Dichloropropene	75	8.966	8.964	(1.298)	1036664	80.0000	80.5(A)
	56 Ethyl Methacrylate	69	9.085	9.087	(1.315)	901815	80.0000	80.9(A)
	57 1,1,2-Trichloroethane	97	9.147	9.145	(1.324)	639658	80.0000	81.8(A)
	58 1,3-Dichloropropane	76	9.312	9.311	(0.920)	1176866	80.0000	87.9(A)
	59 Tetrachloroethylene	164	9.281	9.287	(0.917)	590804	80.0000	87.1(A)
	60 Dibromochloromethane	129	9.540	9.546	(0.942)	778762	80.0000	90.1(A)
	61 1,2-Dibromoethane	107	9.644	9.641	(0.953)	681251	80.0000	86.7(A)
	62 1-Chlorohexane	91	10.148	10.147	(1.003)	897362	80.0000	84.1(AQ)
*	63 CHLOROBENZENE d5 (IS)	117	10.122	10.121	(1.000)	1392438	50.0000	
	64 Chlorobenzene	112	10.151	10.150	(1.003)	2042607	80.0000	81.8(Aq)
	65 1,1,1,2-Tetrachloroethane	131	10.240	10.235	(1.012)	754658	80.0000	88.9(Aq)
	66 Ethylbenzene	106	10.273	10.270	(1.015)	1138264	80.0000	87.3(A)
	67 p,m-Xylene	106	10.394	10.393	(1.027)	2702426	160.000	173(A)
	68 o-Xylene	91	10.788	10.787	(1.066)	2748048	80.0000	86.3(A)
	69 Styrene	104	10.803	10.803	(1.067)	2265394	80.0000	88.7(A)
	70 Bromoform	173	10.978	10.981	(1.084)	470417	80.0000	92.6(A)
	71 1-Methylethylbenzene	105	11.164	11.165	(0.896)	3097050	80.0000	89.4(A)
	72 1,4-Dichloro-2-Butene	53	11.230	11.227	(0.901)	226472	160.000	165(Aq)
	73 1,1,2,2-Tetrachloroethane	83	11.462	11.462	(0.919)	821878	80.0000	82.1(Aq)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.309	11.308	(0.907)	1066985	80.0000	81.6(A)
	75 1,2,3- trichloropropane	110	11.501	11.500	(0.923)	240209	80.0000	83.8(Aq)
	76 n-Propylbenzene	91	11.579	11.579	(0.929)	3625057	80.0000	88.4(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	11.453	11.453	(0.919)	1406455	80.0000	87.0(A)
78 1,3,5-Trimethylbenzene	105	11.756	11.755	(0.943)	2684187	80.0000	89.3(A)
79 2-Chlorotoluene	91	11.654	11.652	(0.935)	2274625	80.0000	83.4(A)
80 4-Chlorotoluene	91	11.762	11.762	(0.943)	2708134	80.0000	86.0(A)
81 tert-Butylbenzene	119	12.083	12.077	(0.969)	2163450	80.0000	91.5(A)
82 1,2,4-trimethylbenzene	105	12.129	12.129	(0.973)	2838299	80.0000	88.4(A)
123 1,2,3-Trimethylbenzene	105	12.548	12.547	(1.006)	2914486	80.0000	84.1(A)
83 sec-Butylbenzene	105	12.302	12.301	(0.987)	2948259	80.0000	89.4(A)
84 p-Isopropyltoluene	119	12.450	12.450	(0.999)	2568678	80.0000	89.7(A)
85 1,3-Dichlorobenzene	146	12.400	12.400	(0.995)	1586648	80.0000	86.3(A)
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.467	12.466	(1.000)	776544	50.0000	(q)
87 1,4-Dichlorobenzene	146	12.490	12.488	(1.002)	1614576	80.0000	82.7(Aq)
88 Benzyl Chloride	91	12.629	12.627	(1.013)	904128	80.0000	81.7
89 n-Butylbenzene	91	12.859	12.859	(1.031)	2190108	80.0000	90.7(A)
90 1,2-Dichlorobenzene	146	12.861	12.855	(1.032)	1508324	80.0000	85.2(A)
91 1,2-dibromo-3-chloropropane	75	13.638	13.639	(1.094)	137070	80.0000	89.7(Aq)
92 1,2,4-Trichlorobenzene	180	14.402	14.402	(1.155)	886082	80.0000	94.1(A)
93 Hexachlorobutadiene	223	14.544	14.540	(1.167)	210334	80.0000	90.9(Aq)
94 Naphthalene	128	14.591	14.589	(1.170)	2182897	80.0000	100(A)
95 1,2,3-trichlorobenzene	180	14.771	14.765	(1.185)	765451	80.0000	94.5(A)
103 Isopropyl Ether	45	4.776	4.780	(0.691)	2404637	80.0000	86.1(A)
104 Ethyl acetate	43	5.633	5.639	(0.815)	1149937	160.000	171(A)
105 Cyclohexanone	55	11.243	11.244	(1.111)	229693	800.000	755
106 Ethyl ether	59	2.631	2.635	(0.381)	582593	80.0000	83.8(Aq)
107 2-Nitropropane	43	8.145	8.148	(1.179)	346619	160.000	187(A)
108 Tetrahydrofuran	42	5.834	5.855	(0.844)	317180	160.000	159
110 Chlorotrifluoroethylene	116	1.327	1.328	(0.192)	142074	80.0000	82.9(A)
111 Isobutene	41	1.582	1.601	(0.229)	359045	1600.00	1130(A)
112 Ethanol	45	2.552	2.547	(0.369)	159505	6400.00	6640(AM)
113 2-chloro-1,1,1-trifluoroethan	118	1.743	1.745	(0.252)	953501	80.0000	82.0(A)
114 Bromoethane	108	3.155	3.158	(0.457)	543245	80.0000	85.2(A)
115 n-Hexane	57	4.393	4.393	(0.636)	776918	80.0000	91.6(A)
116 tert-Butyl ethyl ether	59	5.309	5.305	(0.768)	1686999	80.0000	88.6(A)
117 t-butyl formate	59	5.982	5.977	(0.866)	3437875	1600.00	1640(AQ)
118 tert-Amyl alcohol	59	6.679	6.680	(0.967)	736429	1600.00	1600(Aq)
119 tert-Amyl-methyl ether	73	6.749	6.749	(0.977)	1727128	80.0000	90.9(A)
120 3,3-dimethyl-1-butanol	57	9.643	9.644	(1.396)	738888	1600.00	1590

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 80PPBNC.D
Lab Smp Id: 80PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 80PPB
Level: LOW
Sample Type: WATER

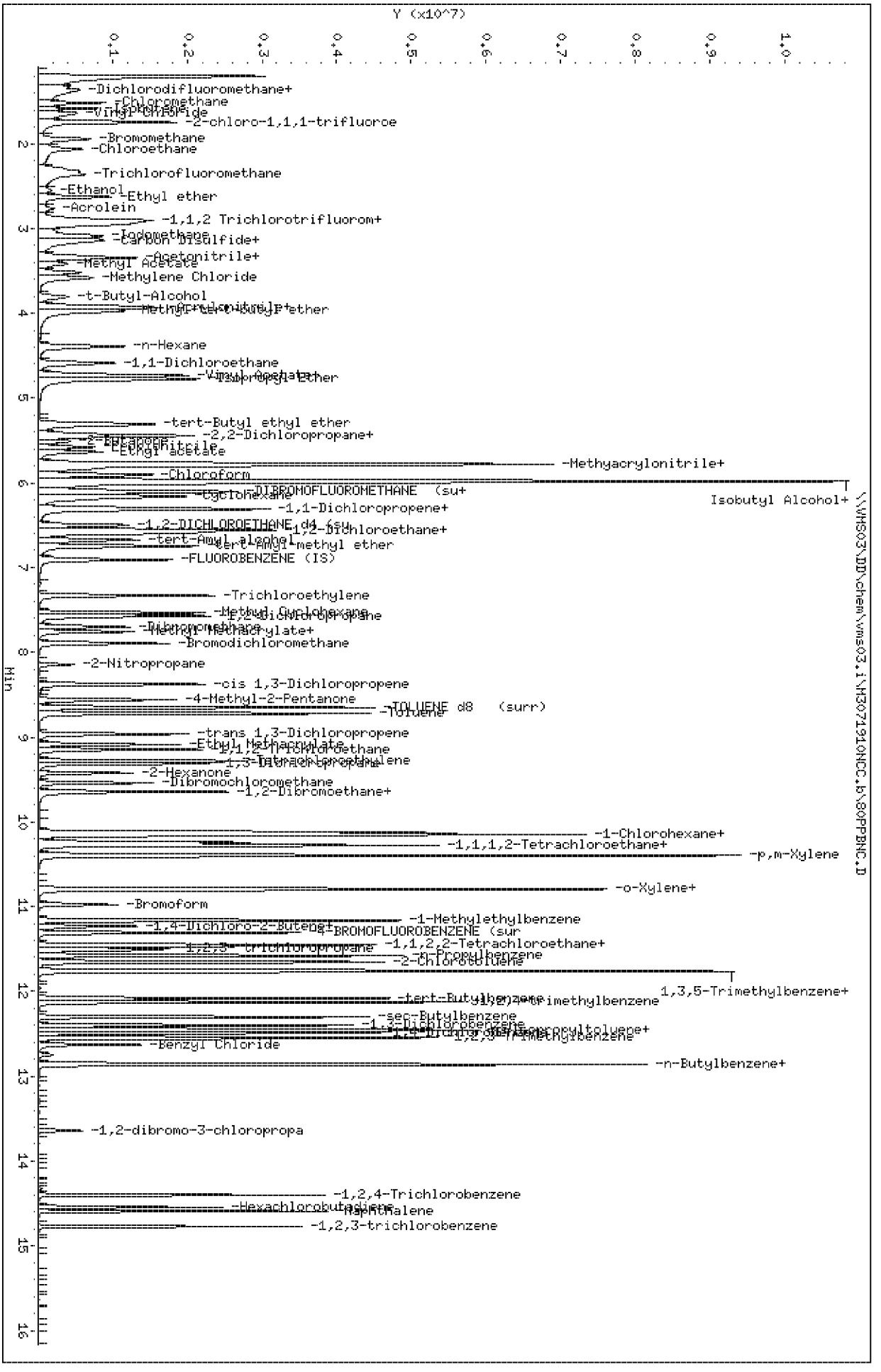
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1642468	2.71
63 CHLOROBENZENE d5	1329024	664512	2658048	1392438	4.77
86 1,4-DICHLOROBENZE	751249	375625	1502498	776544	3.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.01
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.01
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3071910NCC.b\80PPBNC.D
Date : 19-JUL-2010 12:20
Client ID: 80PPB
Sample Info: 80PPB
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: vms03.i
Operator:
Column diameter: 0.18



\\VMS03\DD\chem\vms03.i\M3071910NCC.b\80PPBNC.D

Page 5

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3071910NCC.b\SSC32NC.D
Lab Smp Id: SSC32 Client Smp ID: SSC32
Inj Date : 19-JUL-2010 13:22
Operator : Inst ID: vms03.i
Smp Info : SSC32
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Meth Date : 21-Jul-2010 10:36 mstephens Quant Type: ISTD
Cal Date : 19-JUL-2010 09:57 Cal File: 2PPB.D
Als bottle: 18 QC Sample: SSC
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1248842	106.115	106
M 2 Xylenes (Total)	100				3577461	163.471	163
M 3 Trihalomethanes (Total)	100				2326795	212.332	212
4 Dichlorodifluoromethane	85	1.371	1.368	(0.198)	594473	47.2880	47.3
5 Chloromethane	50	1.517	1.520	(0.220)	540906	45.6948	45.7
6 Vinyl Chloride	62	1.636	1.628	(0.237)	594134	50.8927	50.9
7 Bromomethane	96	1.948	1.949	(0.282)	298101	45.6636	45.7
8 Chloroethane	64	2.068	2.071	(0.299)	361667	47.4651	47.5
9 Trichlorofluoromethane	101	2.327	2.331	(0.337)	876958	50.7572	50.8
10 Acrolein	56	2.769	2.773	(0.401)	103264	114.806	115
11 1,1,2 Trichlorotrifluoromethan	101	2.944	2.948	(0.426)	475315	50.6019	50.6
12 Acetone	43	2.966	2.967	(0.429)	235421	104.193	104
13 1,1-Dichloroethene	61	2.906	2.904	(0.421)	790915	52.5727	52.6
109 t-Butyl-Alcohol	59	3.807	3.798	(0.551)	416540	590.481	590
14 Acetonitrile	41	3.346	3.348	(0.484)	1096292	522.741	523(q)
15 Iodomethane	142	3.091	3.089	(0.447)	783055	53.5281	53.5
16 Methyl Acetate	43	3.416	3.411	(0.494)	308260	48.3097	48.3
17 Allyl Chloride	41	3.346	3.348	(0.484)	1096292	53.1048	53.1
18 Carbon Disulfide	76	3.137	3.138	(0.454)	1388367	53.2796	53.3
19 Methylene Chloride	49	3.581	3.586	(0.518)	802386	49.1029	49.1
20 Acrylonitrile	53	3.913	3.916	(0.566)	344348	103.651	104
21 Methyl-tert-butyl ether	73	3.977	3.975	(0.576)	1098332	56.1437	56.1
22 trans 1,2-Dichloroethene	61	3.933	3.932	(0.569)	723135	53.6888	53.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	23 1,1-Dichloroethane	63	4.590	4.587	(0.664)	883994	52.5181	52.5
	24 Vinyl Acetate	43	4.744	4.750	(0.687)	1671669	53.8544	53.8
	25 Chloroprene	53	4.727	4.731	(0.684)	730854	55.5111	55.5
	26 2-Butanone	43	5.511	5.528	(0.798)	342616	105.753	106
	27 Propionitrile	54	5.579	5.596	(0.807)	598222	525.235	525
	28 2,2-Dichloropropane	77	5.432	5.430	(0.786)	347479	52.9132	52.9
	29 cis-1,2-Dichloroethene	96	5.448	5.453	(0.788)	525707	52.4265	52.4
	30 Methyacrylonitrile	67	5.782	5.782	(0.837)	1783275	529.561	530
	31 Isobutyl Alcohol	43	5.981	5.977	(0.866)	313704	1052.18	1050(QM)
	32 Chloroform	83	5.904	5.907	(0.854)	846724	49.7608	49.8
	33 Bromochloromethane	49	5.762	5.764	(0.834)	479529	50.7916	50.8
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.106	6.104	(0.884)	473844	47.1956	47.2
	35 1,1,1-Trichloroethane	97	6.100	6.103	(0.883)	702722	55.9660	56.0
	36 Cyclohexane	56	6.159	6.158	(0.891)	838667	54.3377	54.3(q)
	37 1,1-Dichloropropene	75	6.314	6.311	(0.914)	686745	54.6257	54.6
	38 Carbon tetrachloride	117	6.305	6.302	(0.912)	646184	48.7502	48.8
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.503	6.505	(0.941)	113244	48.0803	48.1(q)
	40 1,2-Dichloroethane	62	6.595	6.592	(0.954)	703301	52.6460	52.6
	41 Benzene	78	6.562	6.555	(0.950)	1948371	53.5768	53.6
*	42 FLUOROBENZENE (IS)	96	6.910	6.909	(1.000)	1727698	50.0000	
	43 Trichloroethylene	130	7.332	7.327	(1.061)	505922	51.9464	51.9
	44 Methyl Cyclohexane	55	7.534	7.530	(1.090)	481415	56.0035	56.0
	45 1,2-Dichloropropane	63	7.575	7.576	(1.096)	529621	53.4404	53.4
	46 Methyl Methacrylate	69	7.760	7.762	(1.123)	312111	50.6428	50.6
	47 Bromodichloromethane	83	7.894	7.891	(1.142)	696938	52.8427	52.8
	48 1,4 Dioxane	88	7.751	7.764	(1.122)	80612	1158.11	1160(q)
	49 Dibromomethane	93	7.700	7.695	(1.114)	306152	51.0918	51.1
	50 4-Methyl-2-Pentanone	58	8.561	8.563	(1.239)	307088	114.856	115(q)
	51 2-Hexanone	43	9.422	9.425	(0.931)	526489	115.835	116
	52 cis 1,3-Dichloropropene	75	8.378	8.382	(1.212)	774894	56.5097	56.5
$	53 TOLUENE d8 (surr)	98	8.652	8.651	(1.252)	1816545	47.4413	47.4
	54 Toluene	92	8.720	8.718	(1.262)	1203986	53.3384	53.3
	55 trans 1,3-Dichloropropene	75	8.963	8.964	(1.297)	635592	47.7381	47.7
	56 Ethyl Methacrylate	69	9.086	9.087	(1.315)	588625	50.9866	51.0
	57 1,1,2-Trichloroethane	97	9.147	9.145	(1.324)	421258	51.1973	51.2
	58 1,3-Dichloropropane	76	9.313	9.311	(0.920)	755220	54.1967	54.2
	59 Tetrachloroethylene	164	9.281	9.287	(0.917)	384566	54.4365	54.4
	60 Dibromochloromethane	129	9.541	9.546	(0.942)	491938	54.6662	54.7
	61 1,2-Dibromoethane	107	9.645	9.641	(0.953)	434004	53.0768	53.1
	62 1-Chlorohexane	91	10.149	10.147	(1.003)	584929	52.6685	52.7(Q)
*	63 CHLOROBENZENE d5 (IS)	117	10.123	10.121	(1.000)	1449653	50.0000	
	64 Chlorobenzene	112	10.152	10.150	(1.003)	1330501	51.2114	51.2(q)
	65 1,1,1,2-Tetrachloroethane	131	10.241	10.235	(1.012)	475764	53.8267	53.8(q)
	66 Ethylbenzene	106	10.274	10.270	(1.015)	727657	53.6053	53.6
	67 p,m-Xylene	106	10.394	10.393	(1.027)	1769786	108.966	109
	68 o-Xylene	91	10.789	10.787	(1.066)	1807675	54.5056	54.5
	69 Styrene	104	10.804	10.803	(1.067)	1484487	55.8068	55.8
	70 Bromoform	173	10.979	10.981	(1.085)	291195	55.0619	55.1
	71 1-Methylethylbenzene	105	11.165	11.165	(0.896)	2003333	55.3373	55.3
	72 1,4-Dichloro-2-Butene	53	11.230	11.227	(0.901)	136844	98.5526	98.6(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.463	11.462	(0.919)	530731	50.7363	50.7(q)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.309	11.308	(0.907)	662827	48.5211	48.5
	75 1,2,3- trichloropropane	110	11.502	11.500	(0.923)	162446	54.2332	54.2(Q)
	76 n-Propylbenzene	91	11.576	11.579	(0.928)	2363074	55.1619	55.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	11.453	11.453	(0.919)	893659	52.9400	52.9
78 1,3,5-Trimethylbenzene	105	11.757	11.755	(0.943)	1743697	55.5559	55.6
79 2-Chlorotoluene	91	11.654	11.652	(0.935)	1465807	51.4566	51.4
80 4-Chlorotoluene	91	11.763	11.762	(0.943)	1755206	53.3425	53.3
81 tert-Butylbenzene	119	12.084	12.077	(0.969)	1393439	56.4532	56.4
82 1,2,4-trimethylbenzene	105	12.129	12.129	(0.973)	1853061	55.2427	55.2
123 1,2,3-Trimethylbenzene	105	12.548	12.547	(1.006)	1867659	51.5783	51.6
83 sec-Butylbenzene	105	12.301	12.301	(0.987)	1925004	55.9187	55.9
84 p-Isopropyltoluene	119	12.451	12.450	(0.999)	1659021	55.4753	55.5
85 1,3-Dichlorobenzene	146	12.401	12.400	(0.995)	1028989	53.5799	53.6
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.468	12.466	(1.000)	811092	50.0000	
87 1,4-Dichlorobenzene	146	12.491	12.488	(1.002)	1035366	50.7716	50.8(q)
88 Benzyl Chloride	91	12.630	12.627	(1.013)	487626	43.5904	43.6
89 n-Butylbenzene	91	12.860	12.859	(1.031)	1413865	56.0551	56.0
90 1,2-Dichlorobenzene	146	12.862	12.855	(1.032)	976058	52.7625	52.8
91 1,2-dibromo-3-chloropropane	75	13.639	13.639	(1.094)	91806	57.5265	57.5
92 1,2,4-Trichlorobenzene	180	14.404	14.402	(1.155)	558404	56.7757	56.8
93 Hexachlorobutadiene	223	14.545	14.540	(1.167)	133011	55.0302	55.0(q)
94 Naphthalene	128	14.594	14.589	(1.171)	1360317	48.7907	48.8
95 1,2,3-trichlorobenzene	180	14.774	14.765	(1.185)	483952	49.0420	49.0
103 Isopropyl Ether	45	4.777	4.780	(0.691)	1601584	54.5031	54.5
104 Ethyl acetate	43	5.633	5.639	(0.815)	768128	108.513	108
105 Cyclohexanone	55	11.244	11.244	(1.111)	186098	587.564	588
106 Ethyl ether	59	2.631	2.635	(0.381)	385514	52.6889	52.7(Q)
107 2-Nitropropane	43	8.146	8.148	(1.179)	203993	104.732	105
108 Tetrahydrofuran	42	5.835	5.855	(0.844)	222814	106.223	106
110 Chlorotrifluoroethylene	116	1.329	1.328	(0.192)	96273	54.4046	54.4
111 Isobutene	41	1.582	1.601	(0.229)	241001	720.387	720(A)
112 Ethanol	45	2.547	2.547	(0.369)	111215	4399.11	4400(qM)
113 2-chloro-1,1,1-trifluoroethan	118	1.744	1.745	(0.252)	610998	49.9491	49.9
114 Bromoethane	108	3.154	3.158	(0.457)	351382	52.3767	52.4
115 n-Hexane	57	4.396	4.393	(0.636)	507497	56.8873	56.9
116 tert-Butyl ethyl ether	59	5.308	5.305	(0.768)	1104655	55.1756	55.2
117 t-butyl formate	59	5.982	5.977	(0.866)	2065962	955.644	956(Q)
118 tert-Amyl alcohol	59	6.678	6.680	(0.966)	503907	1054.72	1050(Q)
119 tert-Amyl-methyl ether	73	6.749	6.749	(0.977)	1131683	56.6416	56.6
120 3,3-dimethyl-1-butanol	57	9.645	9.644	(1.396)	524397	1087.34	1090
121 2-Cleve	63	8.247	8.252	(1.193)	624828	111.379	111

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: SSC32NC.D
Lab Smp Id: SSC32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3071910NCC.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: SSC32
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1727698	8.04
63 CHLOROBENZENE d5	1329024	664512	2658048	1449653	9.08
86 1,4-DICHLOROBENZE	751249	375625	1502498	811092	7.97

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.01
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.02
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3071910NCC.b\SSC32NC.D

Date : 19-JUL-2010 13:22

Client ID: SSC32

Instrument: vms03.i

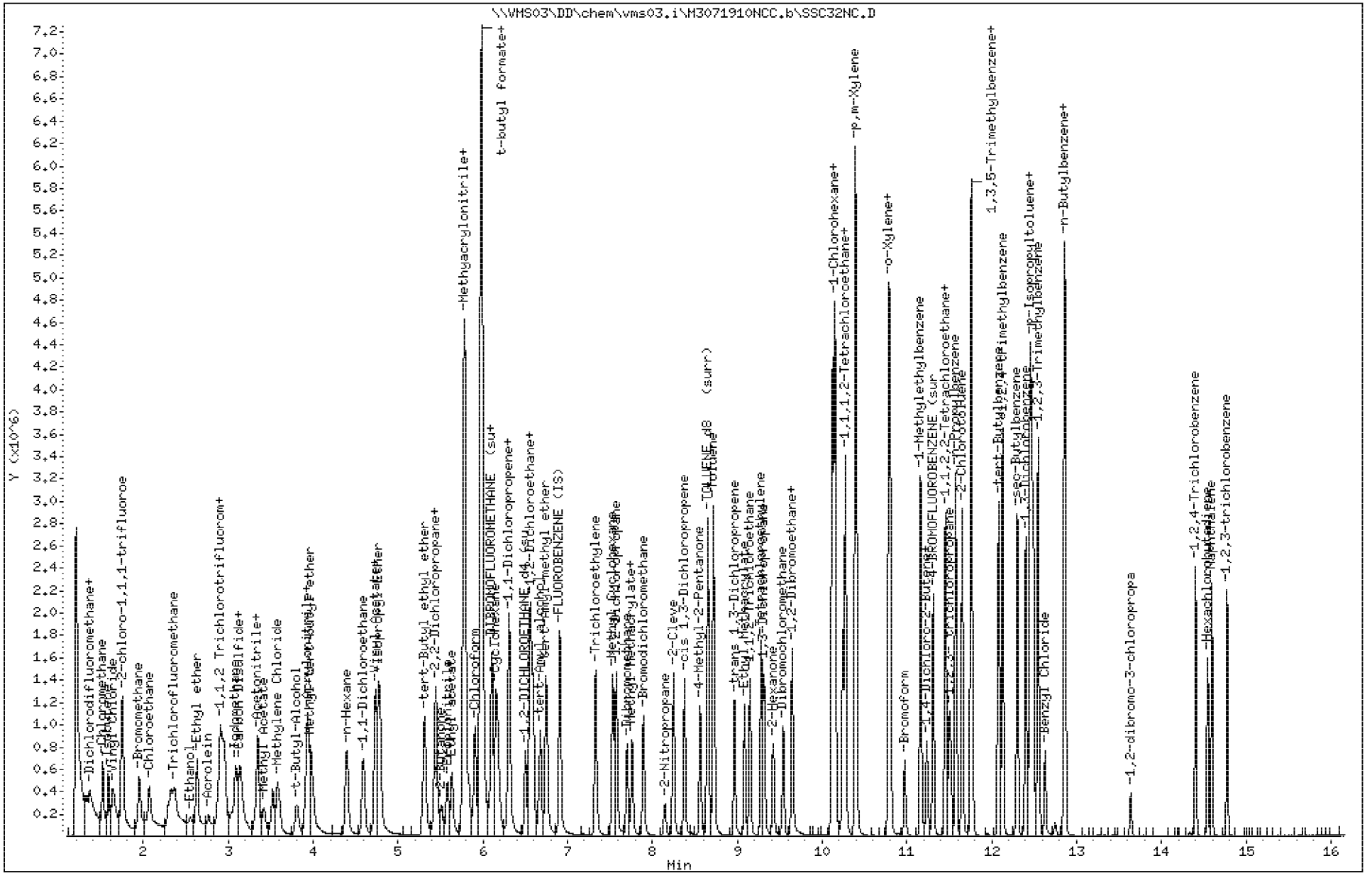
Sample Info: SSC32

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



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Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\BFB31N.D
Lab Smp Id: 072710BFBA31 Client Smp ID: 072710BFBA31
Inj Date : 27-JUL-2010 06:19
Operator : Inst ID: vms03.i
Smp Info : 072710BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3072710N.B\BFBENC.m
Meth Date : 16-Jul-2010 10:49 lpelo Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
0.000	11.300	-11.300	95	45200			0.00- 100.00	100.00
0.000	11.300	-11.300	50	10774			15.00- 40.00	23.84
0.000	11.300	-11.300	75	26424			30.00- 60.00	58.46
0.000	11.300	-11.300	96	4040			5.00- 9.00	8.94
0.000	11.300	-11.300	173	0	0.0	0.0	0.00- 2.00	0.00
0.000	11.300	-11.300	174	33528			50.00- 100.00	74.18
0.000	11.300	-11.300	175	2896			5.00- 9.00	8.64
0.000	11.300	-11.300	176	32232			95.00- 101.00	96.13
0.000	11.300	-11.300	177	2557			5.00- 9.00	7.93

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\BFB31N.D

Date : 27-JUL-2010 06:19

Client ID: 072710BFBA31

Instrument: vms03.i

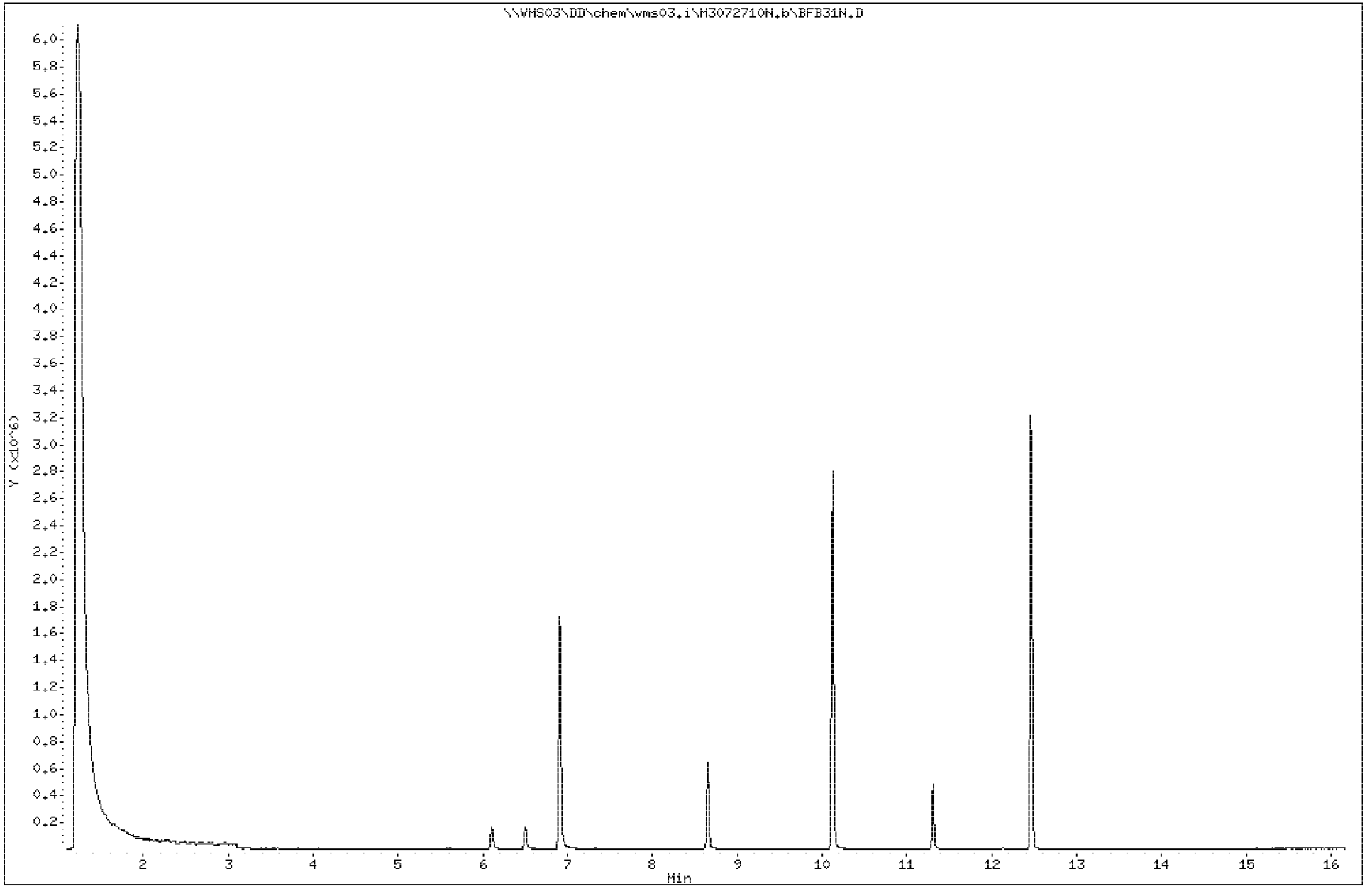
Sample Info: 072710BFBA31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\BFB31N.D

Date : 27-JUL-2010 06:19

Client ID: 072710BFBA31

Instrument: vms03.i

Sample Info: 072710BFBA31

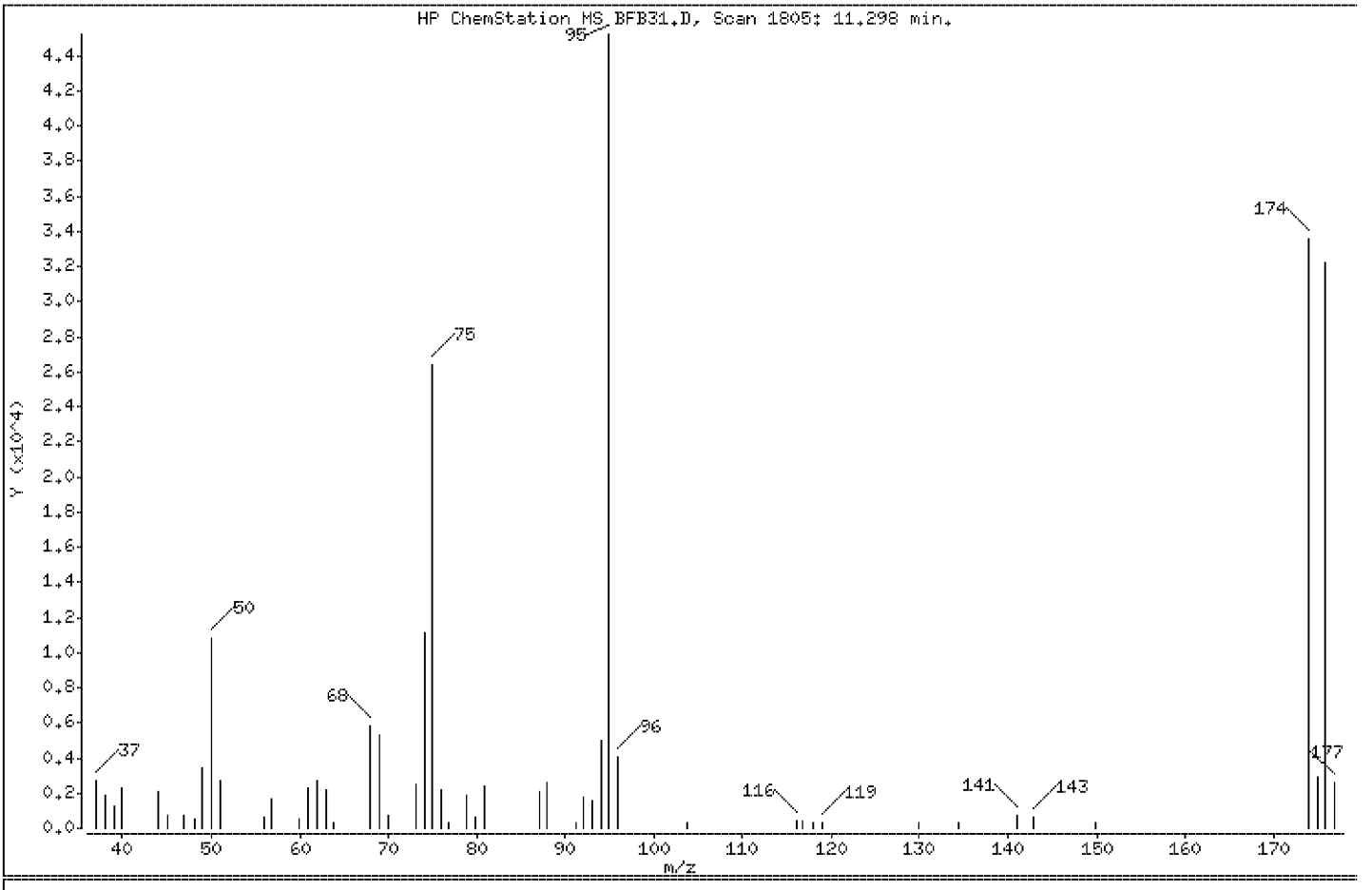
Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.84
75	30.00 - 60.00% of mass 95	58.46
96	5.00 - 9.00% of mass 95	8.94
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	74.18
175	5.00 - 9.00% of mass 174	6.41 (8.64)
176	95.00 - 101.00% of mass 174	71.31 (96.13)
177	5.00 - 9.00% of mass 176	5.66 (7.93)

Date : 27-JUL-2010 06:19

Client ID: 072710BFBA31 Instrument: vms03.i

Sample Info: 072710BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31N.D
Spectrum: HP ChemStation MS BFB31.D, Scan 1805: 11.298 min.
Location of Maximum: 95.00
Number of points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	2707	59.90	477	78.90	1850	116.80	379
38.10	1902	61.00	2250	79.90	606	117.90	356
39.10	1215	62.00	2744	81.00	2355	118.90	349
40.00	2272	63.00	2160	87.00	2031	129.90	305
44.00	2111	63.90	318	88.00	2592	134.50	269
45.10	771	68.00	5856	91.10	288	141.00	739
47.00	752	69.00	5290	92.00	1783	142.90	662
48.20	532	69.90	698	93.10	1594	149.90	269
49.00	3436	73.00	2511	94.00	5029	174.00	33528
50.00	10774	74.00	11114	95.00	45200	175.00	2896
51.00	2699	75.00	26424	96.00	4040	175.90	32232
55.90	664	76.00	2183	103.70	339	176.90	2557
56.90	1702	76.70	348	116.10	462		

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D
Lab Smp Id: 072710CCVA31 Client Smp ID: 072710CCVA31
Inj Date : 27-JUL-2010 06:52
Operator : Inst ID: vms03.i
Smp Info : 072710CCVA31
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3072710N.B\8260NC.m
Meth Date : 30-Jul-2010 11:14 lpelo Quant Type: ISTD
Cal Date : 19-JUL-2010 08:45 Cal File: 200PPT.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1301472	100.000	(a)
M 2 Xylenes (Total)	100				3803468	150.000	(a)
M 3 Trihalomethanes (Total)	100				2417280	50.0000	(a)
4 Dichlorodifluoromethane	85	1.372	1.368	(0.199)	542624	50.0000	42.6
5 Chloromethane	50	1.518	1.520	(0.220)	507355	50.0000	42.3
6 Vinyl Chloride	62	1.639	1.628	(0.237)	600176	50.0000	50.7
7 Bromomethane	96	1.947	1.949	(0.282)	302810	50.0000	45.8
8 Chloroethane	64	2.067	2.071	(0.299)	348943	50.0000	45.2
9 Trichlorofluoromethane	101	2.329	2.331	(0.337)	848664	50.0000	48.4
10 Acrolein	56	2.768	2.773	(0.401)	74881	100.000	82.1(q)
11 1,1,2 Trichlorotrifluoromethan	101	2.946	2.948	(0.426)	458761	50.0000	48.2
12 Acetone	43	2.964	2.967	(0.429)	227411	100.000	99.1
13 1,1-Dichloroethene	61	2.907	2.904	(0.421)	743857	50.0000	48.8
109 t-Butyl-Alcohol	59	3.803	3.798	(0.550)	338879	500.000	474
14 Acetonitrile	41	3.343	3.348	(0.484)	792796	500.000	373(q)
15 Iodomethane	142	3.092	3.089	(0.448)	706107	50.0000	47.6
16 Methyl Acetate	43	3.417	3.411	(0.495)	273125	50.0000	42.2
17 Allyl Chloride	41	3.343	3.348	(0.484)	792796	50.0000	37.9
18 Carbon Disulfide	76	3.138	3.138	(0.454)	1246014	50.0000	47.2
19 Methylene Chloride	49	3.583	3.586	(0.519)	837622	50.0000	50.6
20 Acrylonitrile	53	3.910	3.916	(0.566)	338542	100.000	100
21 Methyl-tert-butyl ether	73	3.973	3.975	(0.575)	1044261	50.0000	52.6
22 trans 1,2-Dichloroethene	61	3.931	3.932	(0.569)	742749	50.0000	54.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	4.587	4.587	(0.664)	897893	50.0000	52.6
	24 Vinyl Acetate	43	4.741	4.750	(0.686)	1644414	50.0000	52.3
	25 Chloroprene	53	4.726	4.731	(0.684)	742511	50.0000	55.6
	26 2-Butanone	43	5.509	5.528	(0.797)	332109	100.000	101
	27 Propionitrile	54	5.577	5.596	(0.807)	559551	500.000	485
	28 2,2-Dichloropropane	77	5.430	5.430	(0.786)	359638	50.0000	54.0
	29 cis-1,2-Dichloroethene	96	5.446	5.453	(0.788)	558723	50.0000	55.0
	30 Methyacrylonitrile	67	5.779	5.782	(0.837)	1766036	500.000	517
	31 Isobutyl Alcohol	43	5.976	5.977	(0.865)	275427	1000.00	911
	32 Chloroform	83	5.902	5.907	(0.854)	879686	50.0000	51.0
	33 Bromochloromethane	49	5.760	5.764	(0.834)	484349	50.0000	50.6
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.104	6.104	(0.884)	516162	50.0000	50.7
	35 1,1,1-Trichloroethane	97	6.098	6.103	(0.883)	714589	50.0000	56.1
	36 Cyclohexane	56	6.156	6.158	(0.891)	861994	50.0000	55.1(q)
	37 1,1-Dichloropropene	75	6.313	6.311	(0.914)	708014	50.0000	55.6
	38 Carbon tetrachloride	117	6.303	6.302	(0.912)	663081	50.0000	49.3
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.503	6.505	(0.941)	120664	50.0000	50.5(Q)
	40 1,2-Dichloroethane	62	6.593	6.592	(0.954)	709059	50.0000	52.4
	41 Benzene	78	6.560	6.555	(0.950)	2023212	50.0000	54.9
*	42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1751346	50.0000	
	43 Trichloroethylene	130	7.330	7.327	(1.061)	549192	50.0000	55.6
	44 Methyl Cyclohexane	55	7.533	7.530	(1.090)	499186	50.0000	57.3
	45 1,2-Dichloropropane	63	7.574	7.576	(1.096)	554783	50.0000	55.2
	46 Methyl Methacrylate	69	7.759	7.762	(1.123)	286073	50.0000	45.9
	47 Bromodichloromethane	83	7.893	7.891	(1.142)	714972	50.0000	53.5
	48 1,4 Dioxane	88	7.751	7.764	(1.122)	69707	1000.00	988(q)
	49 Dibromomethane	93	7.698	7.695	(1.114)	315746	50.0000	52.0
	50 4-Methyl-2-Pentanone	58	8.560	8.563	(1.239)	289571	100.000	107(Q)
	51 2-Hexanone	43	9.422	9.425	(0.931)	477326	100.000	99.3
	52 cis 1,3-Dichloropropene	75	8.376	8.382	(1.212)	800355	50.0000	57.6
$	53 TOLUENE d8 (surr)	98	8.650	8.651	(1.252)	1967853	50.0000	50.7
	54 Toluene	92	8.719	8.718	(1.262)	1265966	50.0000	55.3
	55 trans 1,3-Dichloropropene	75	8.964	8.964	(1.297)	650471	50.0000	48.2
	56 Ethyl Methacrylate	69	9.085	9.087	(1.315)	560025	50.0000	48.0
	57 1,1,2-Trichloroethane	97	9.146	9.145	(1.324)	421948	50.0000	50.6
	58 1,3-Dichloropropane	76	9.312	9.311	(0.920)	773133	50.0000	52.5
	59 Tetrachloroethylene	164	9.280	9.287	(0.917)	409762	50.0000	54.9
	60 Dibromochloromethane	129	9.539	9.546	(0.942)	514702	50.0000	54.1
	61 1,2-Dibromoethane	107	9.643	9.641	(0.953)	445189	50.0000	51.5
	62 1-Chlorohexane	91	10.148	10.147	(1.003)	613955	50.0000	52.3(Q)
*	63 CHLOROBENZENE d5 (IS)	117	10.122	10.121	(1.000)	1532602	50.0000	
	64 Chlorobenzene	112	10.150	10.150	(1.003)	1434481	50.0000	52.2(Q)
	65 1,1,1,2-Tetrachloroethane	131	10.240	10.235	(1.012)	505497	50.0000	54.1(Q)
	66 Ethylbenzene	106	10.273	10.270	(1.015)	782768	50.0000	54.5
	67 p,m-Xylene	106	10.393	10.393	(1.027)	1889473	100.000	110
	68 o-Xylene	91	10.787	10.787	(1.066)	1913995	50.0000	54.6
	69 Styrene	104	10.802	10.803	(1.067)	1591807	50.0000	56.6
	70 Bromoform	173	10.977	10.981	(1.084)	307920	50.0000	55.1
	71 1-Methylethylbenzene	105	11.163	11.165	(0.895)	2143108	50.0000	54.8
	72 1,4-Dichloro-2-Butene	53	11.229	11.227	(0.901)	127330	100.000	85.9(q)
	73 1,1,2,2-Tetrachloroethane	83	11.464	11.462	(0.920)	546435	50.0000	48.3(Q)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.308	11.308	(0.907)	705512	50.0000	47.8
	75 1,2,3- trichloropropane	110	11.499	11.500	(0.922)	160289	50.0000	49.5(Q)
	76 n-Propylbenzene	91	11.577	11.579	(0.929)	2515177	50.0000	54.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	11.451	11.453	(0.919)	939206	50.0000	51.5
78 1,3,5-Trimethylbenzene	105	11.756	11.755	(0.943)	1865784	50.0000	55.0
79 2-Chlorotoluene	91	11.652	11.652	(0.935)	1626943	50.0000	52.8
80 4-Chlorotoluene	91	11.762	11.762	(0.944)	1876892	50.0000	52.8
81 tert-Butylbenzene	119	12.081	12.077	(0.969)	1487656	50.0000	55.8
82 1,2,4-trimethylbenzene	105	12.128	12.129	(0.973)	1963562	50.0000	54.2
123 1,2,3-Trimethylbenzene	105	12.550	12.547	(1.007)	2165115	50.0000	55.3
83 sec-Butylbenzene	105	12.301	12.301	(0.987)	2076497	50.0000	55.8
84 p-Isopropyltoluene	119	12.450	12.450	(0.999)	1770552	50.0000	54.8
85 1,3-Dichlorobenzene	146	12.399	12.400	(0.995)	1098520	50.0000	52.9
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	876404	50.0000	
87 1,4-Dichlorobenzene	146	12.490	12.488	(1.002)	1115828	50.0000	50.6(Q)
88 Benzyl Chloride	91	12.628	12.627	(1.013)	555494	50.0000	45.8
89 n-Butylbenzene	91	12.858	12.859	(1.031)	1550100	50.0000	56.9
90 1,2-Dichlorobenzene	146	12.860	12.855	(1.032)	1041124	50.0000	52.1
91 1,2-dibromo-3-chloropropane	75	13.638	13.639	(1.094)	83065	50.0000	48.2(q)
92 1,2,4-Trichlorobenzene	180	14.402	14.402	(1.155)	589290	50.0000	55.4
93 Hexachlorobutadiene	223	14.542	14.540	(1.167)	148903	50.0000	57.0(Q)
94 Naphthalene	128	14.590	14.589	(1.170)	1326851	50.0000	44.2
95 1,2,3-trichlorobenzene	180	14.770	14.765	(1.185)	497156	50.0000	46.7
103 Isopropyl Ether	45	4.774	4.780	(0.691)	1603563	50.0000	53.8
104 Ethyl acetate	43	5.631	5.639	(0.815)	699795	100.000	97.5
105 Cyclohexanone	55	11.243	11.244	(1.111)	282619	500.000	844(A)
106 Ethyl ether	59	2.628	2.635	(0.380)	320801	50.0000	43.2(q)
107 2-Nitropropane	43	8.145	8.148	(1.179)	186997	100.000	94.7
108 Tetrahydrofuran	42	5.833	5.855	(0.844)	211324	100.000	99.4
110 Chlorotrifluoroethylene	116	1.325	1.328	(0.192)	38053	50.0000	23.0
111 Isobutene	41	1.583	1.601	(0.229)	381451	1000.00	1120(A)
112 Ethanol	45	2.552	2.547	(0.369)	63974	4000.00	2500(q)
113 2-chloro-1,1,1-trifluoroethan	118	1.744	1.745	(0.252)	667543	50.0000	53.8
114 Bromoethane	108	3.156	3.158	(0.457)	321531	50.0000	47.3
115 n-Hexane	57	4.392	4.393	(0.636)	516650	50.0000	57.1
116 tert-Butyl ethyl ether	59	5.306	5.305	(0.768)	1050173	50.0000	51.7
117 t-butyl formate	59	5.979	5.977	(0.865)	1859985	1000.00	854(Q)
118 tert-Amyl alcohol	59	6.675	6.680	(0.966)	404149	1000.00	842(Q)
119 tert-Amyl-methyl ether	73	6.748	6.749	(0.977)	1086907	50.0000	53.7
120 3,3-dimethyl-1-butanol	57	9.643	9.644	(1.396)	421831	1000.00	873
121 2-Cleve	63	8.246	8.252	(1.194)	618873	100.000	109

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 50CCV31N.D
Lab Smp Id: 072710CCVA31
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3072710N.B\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 072710CCVA31
Level: LOW
Sample Type: WATER

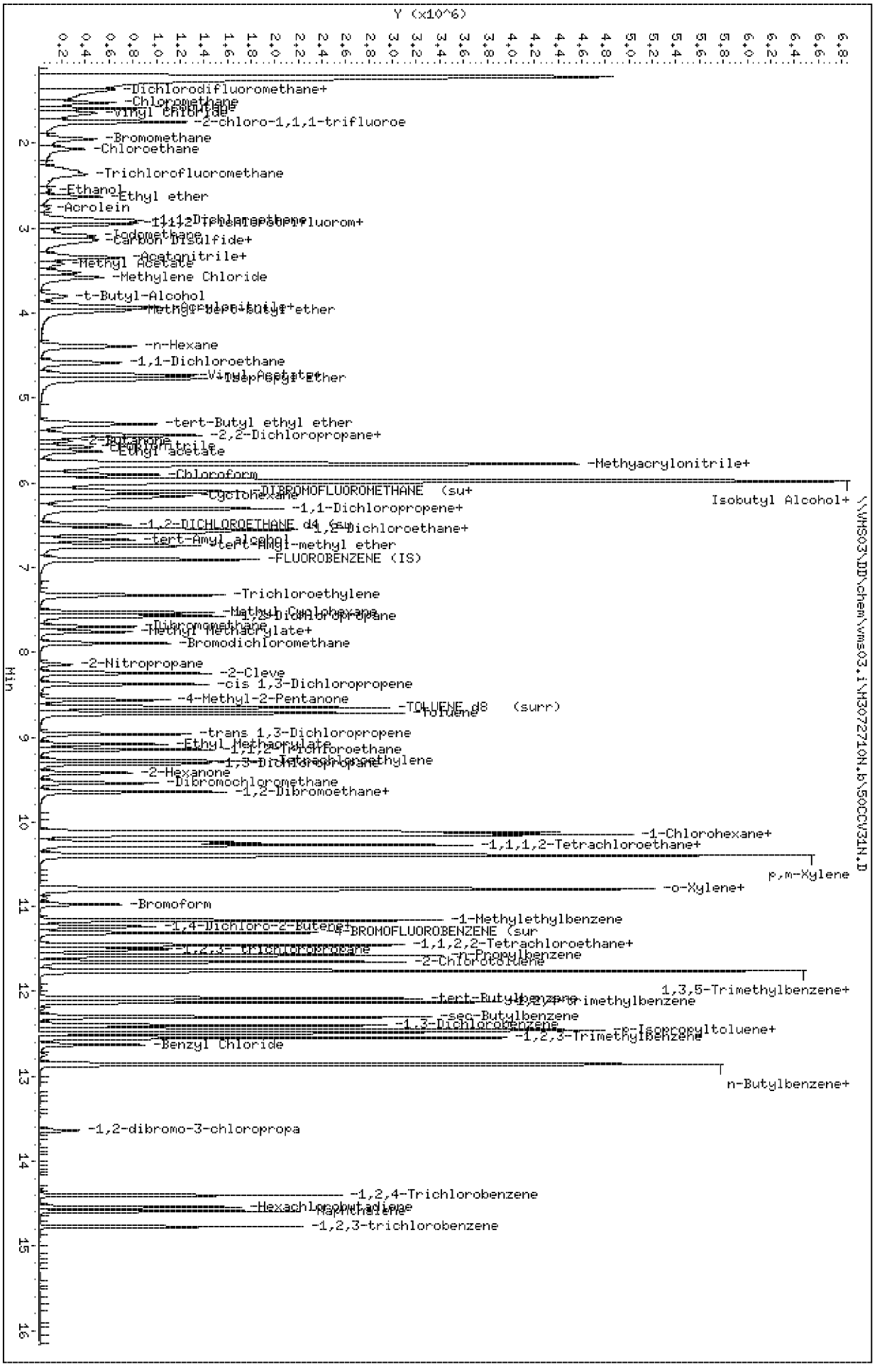
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1751346	9.52
63 CHLOROBENZENE d5	1329024	664512	2658048	1532602	15.32
86 1,4-DICHLOROBENZE	751249	375625	1502498	876404	16.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	-0.00
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.01
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VHS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D
Date : 27-JUL-2010 06:52
Client ID: 072710CCVA31
Sample Info: 072710CCVA31
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: vms03.i
Operator:
Column diameter: 0.18



Page 5

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

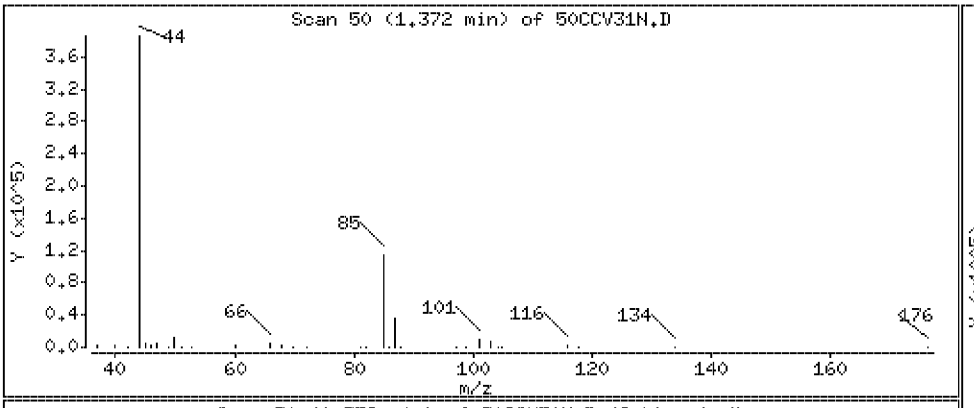
Operator:

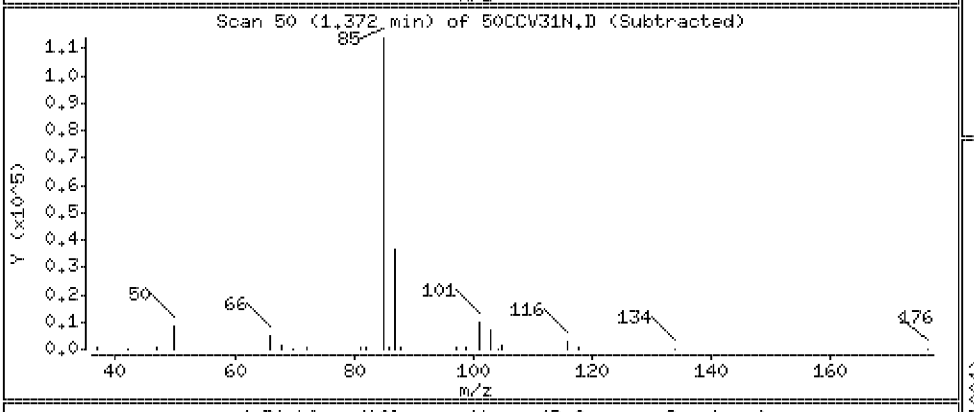
Column phase: RTX-502.2

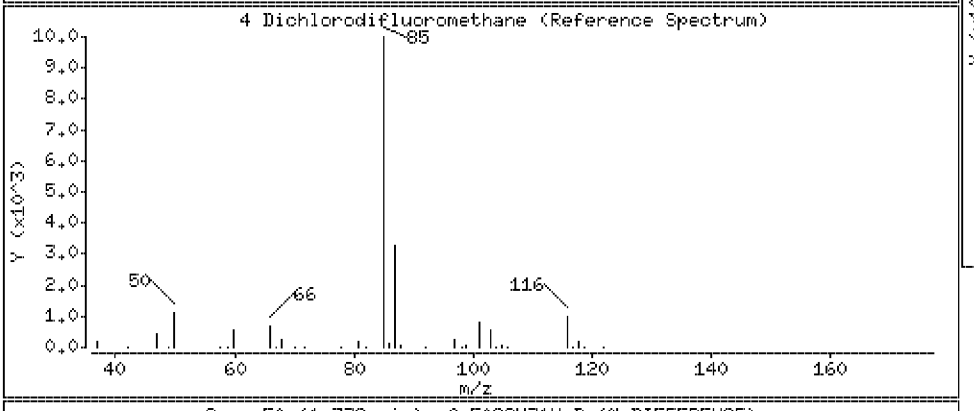
Column diameter: 0.18

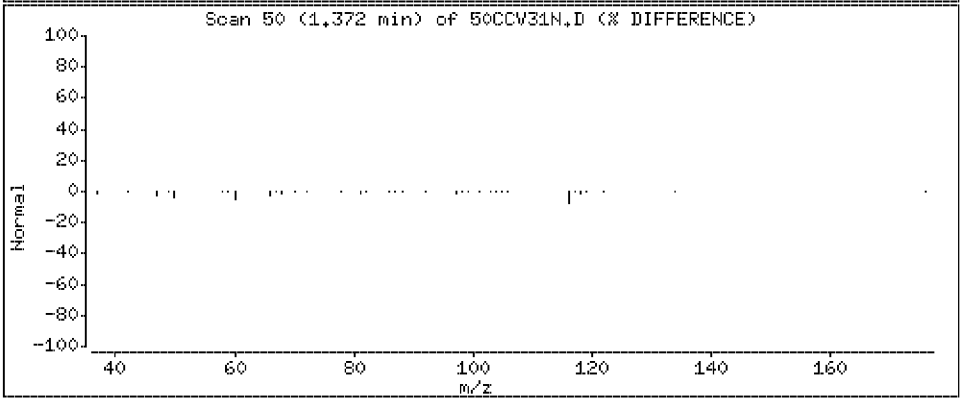
4 Dichlorodifluoromethane

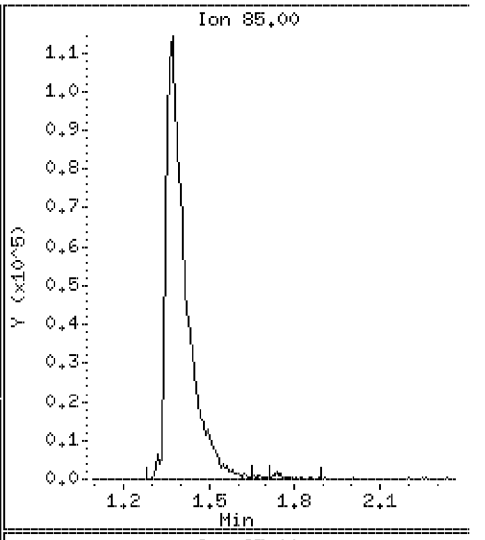
Concentration: 42.6 ug/l

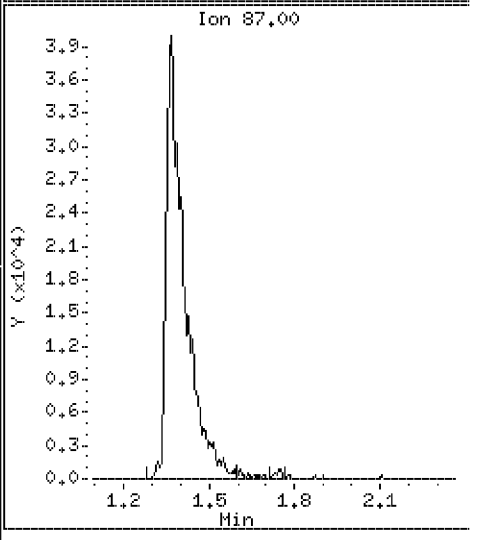












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

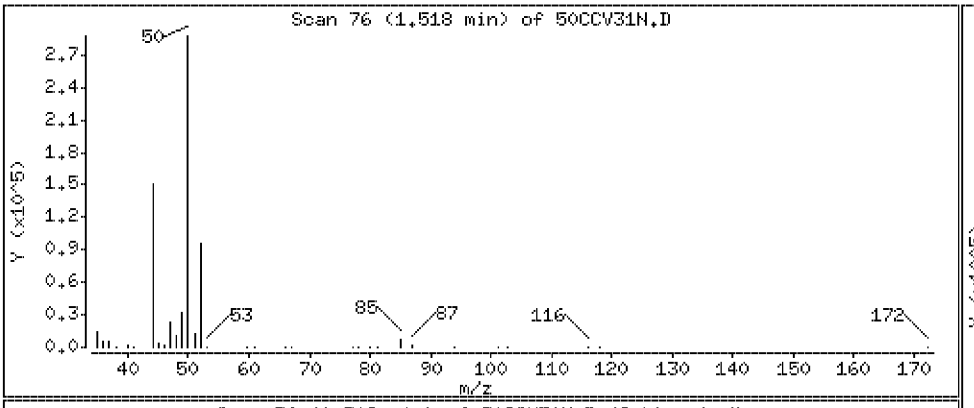
Operator:

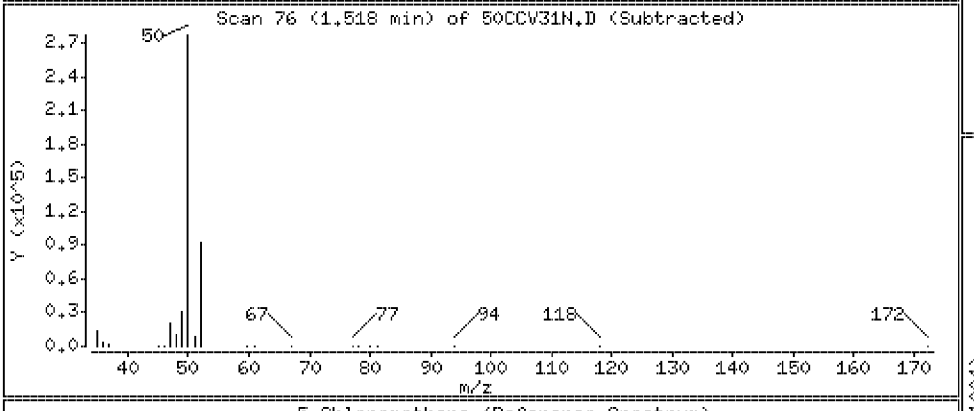
Column phase: RTX-502.2

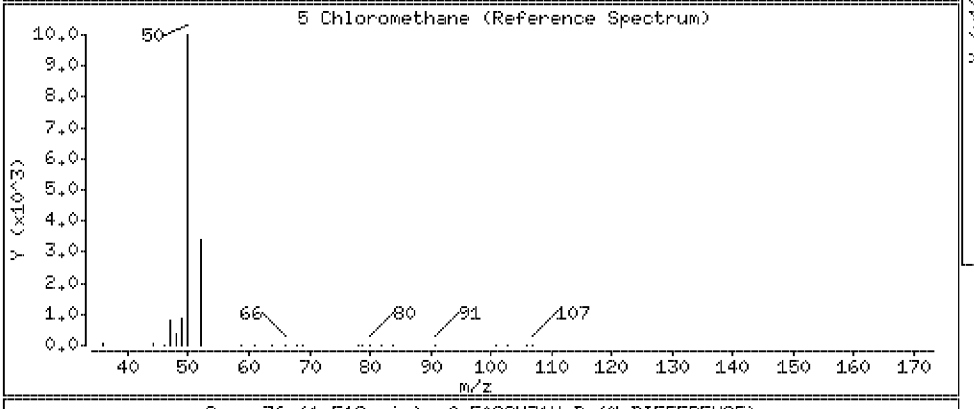
Column diameter: 0.18

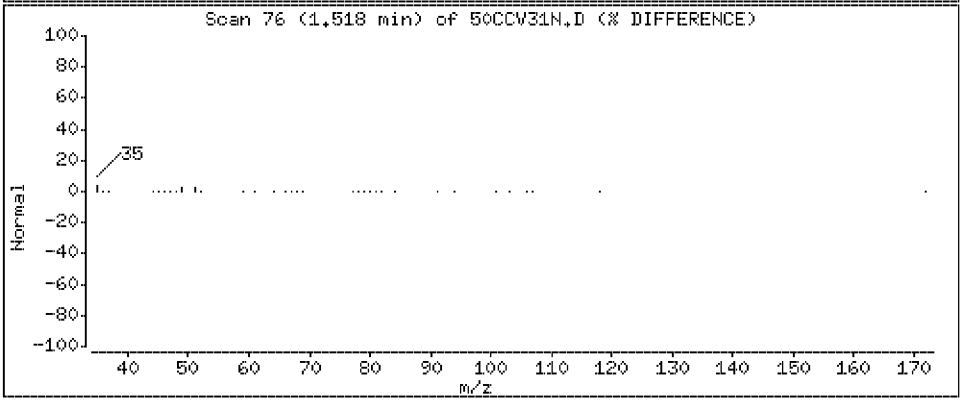
5 Chloromethane

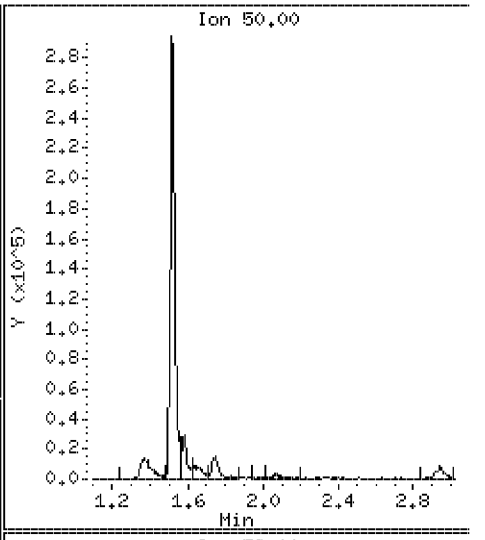
Concentration: 42.3 ug/l

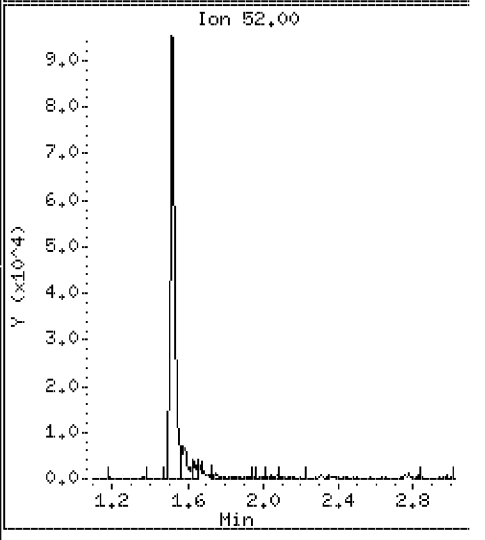












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

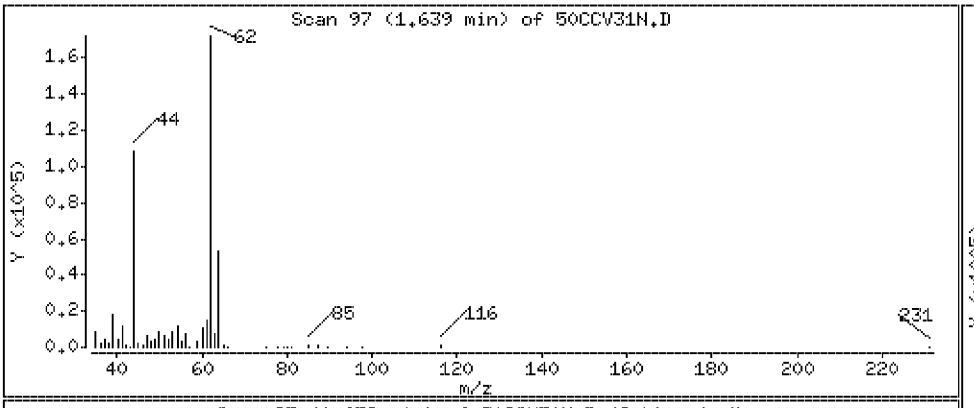
Operator:

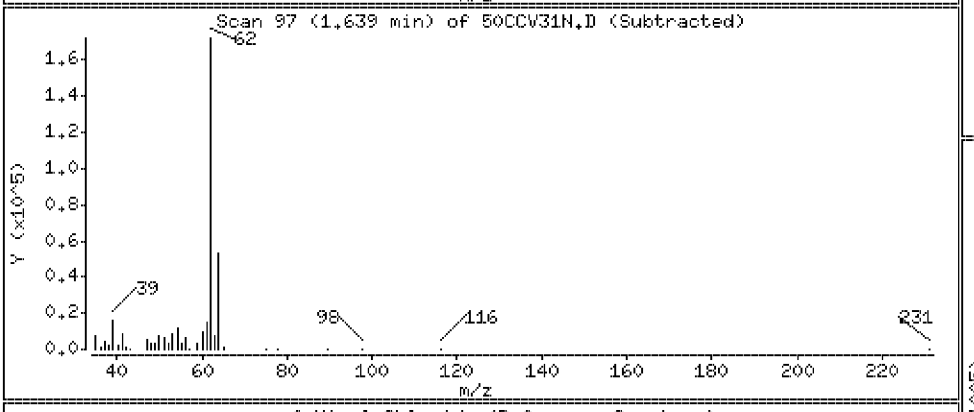
Column phase: RTX-502.2

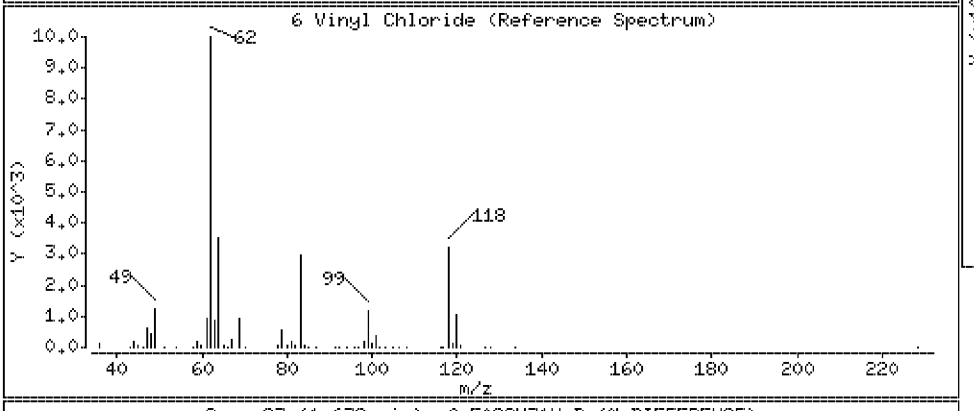
Column diameter: 0.18

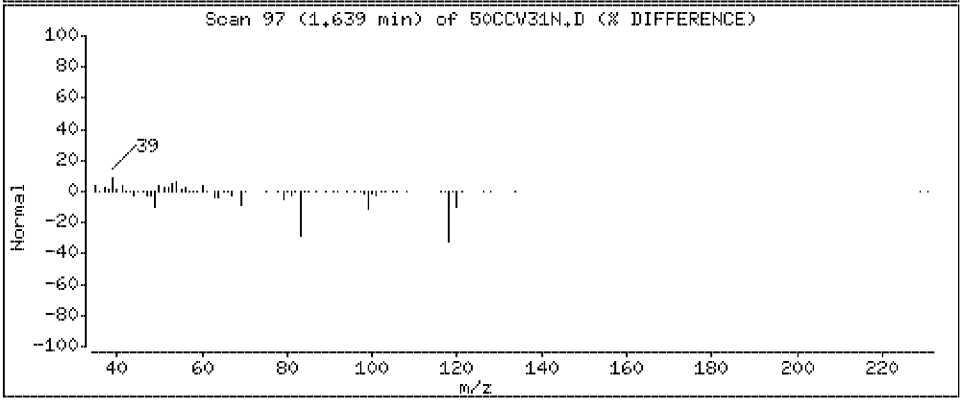
6 Vinyl Chloride

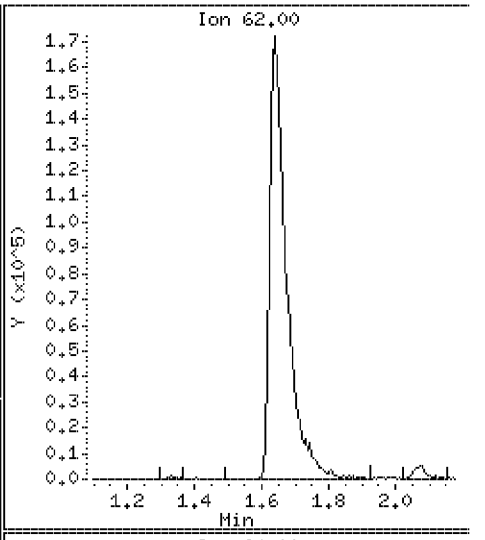
Concentration: 50.7 ug/l

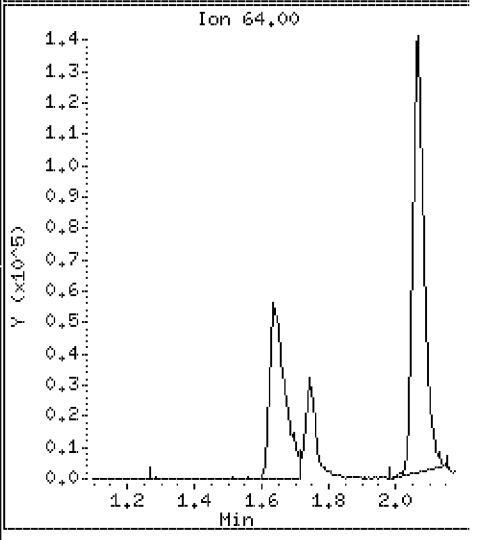












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

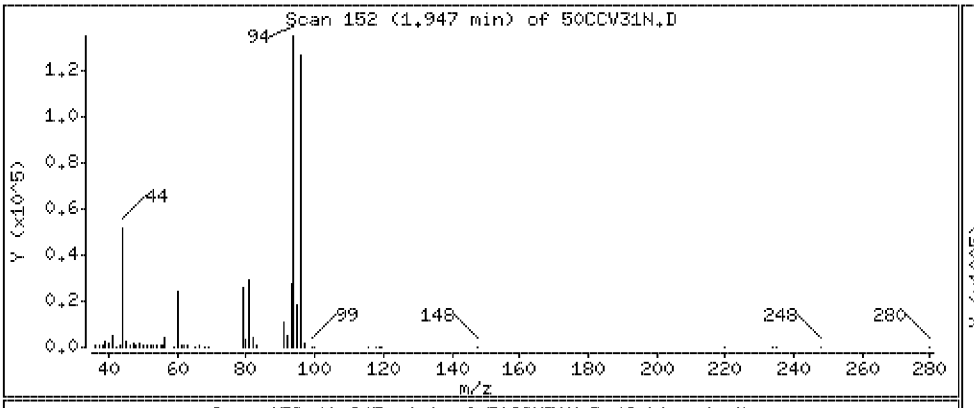
Operator:

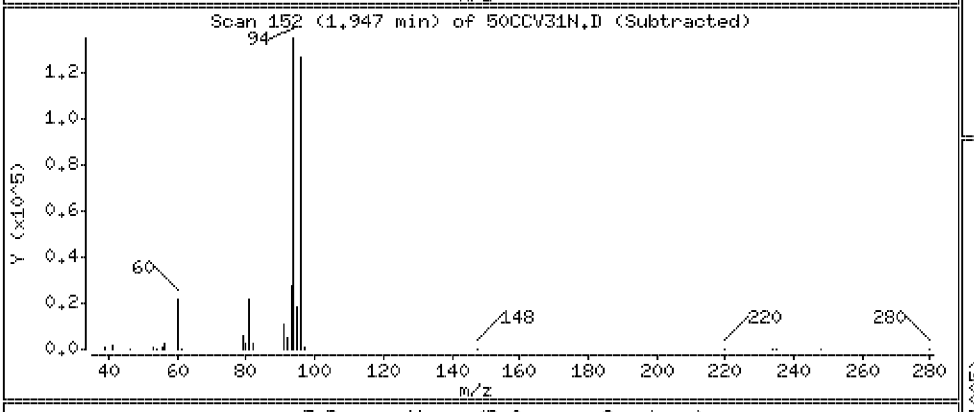
Column phase: RTX-502.2

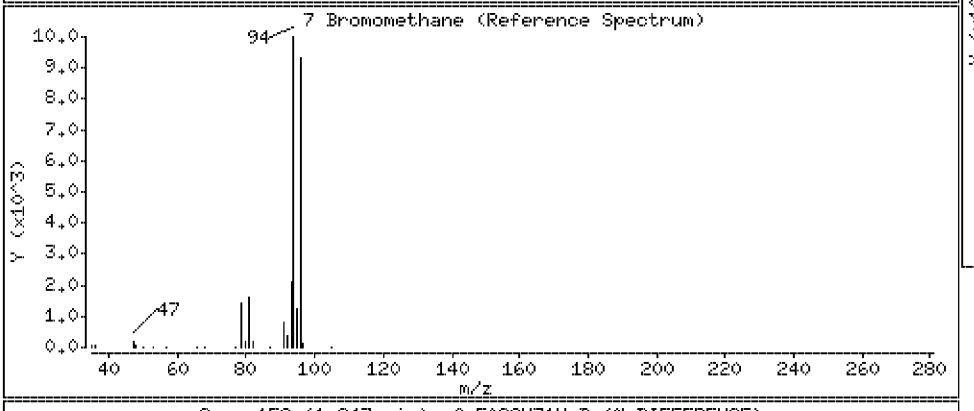
Column diameter: 0.18

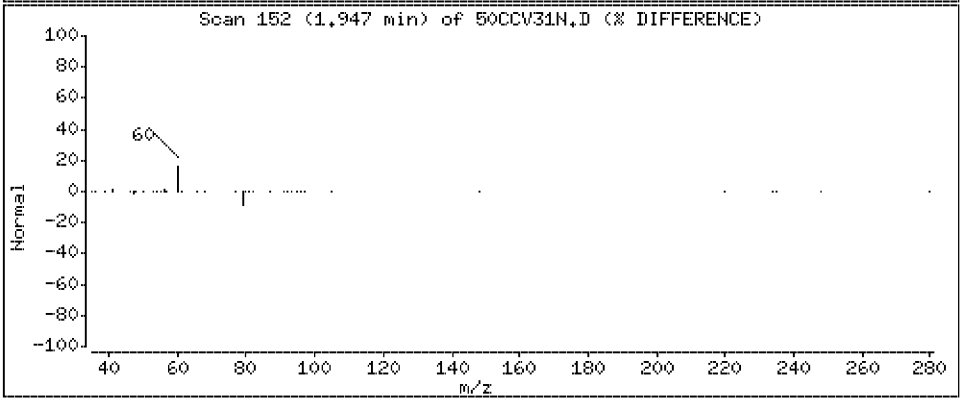
7 Bromomethane

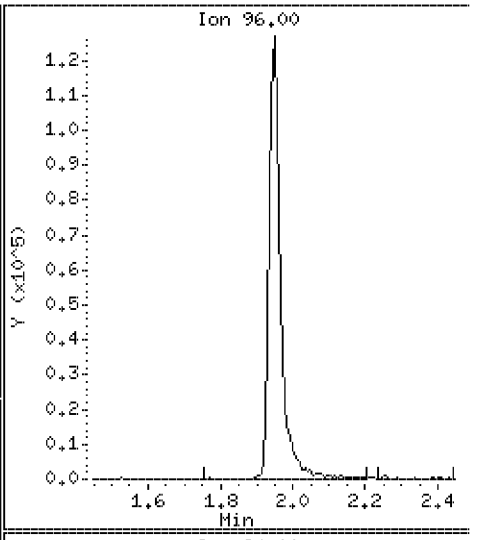
Concentration: 45.8 ug/l

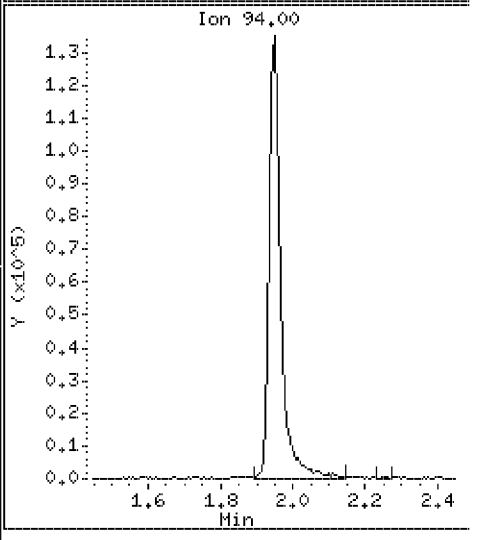












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

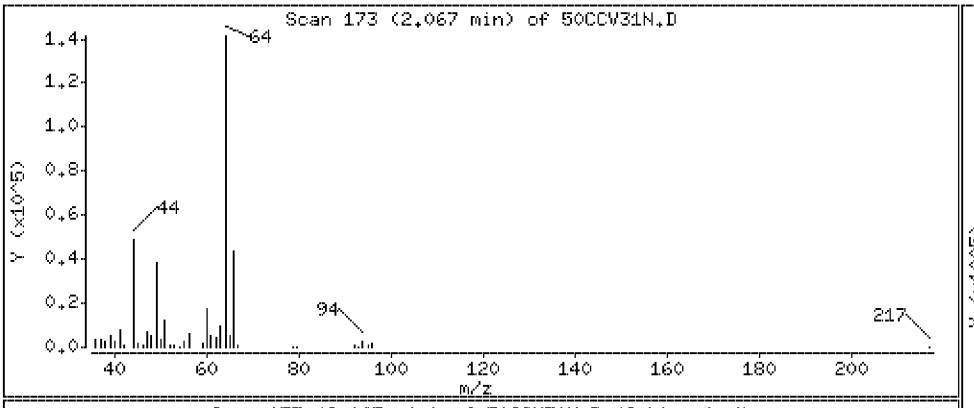
Operator:

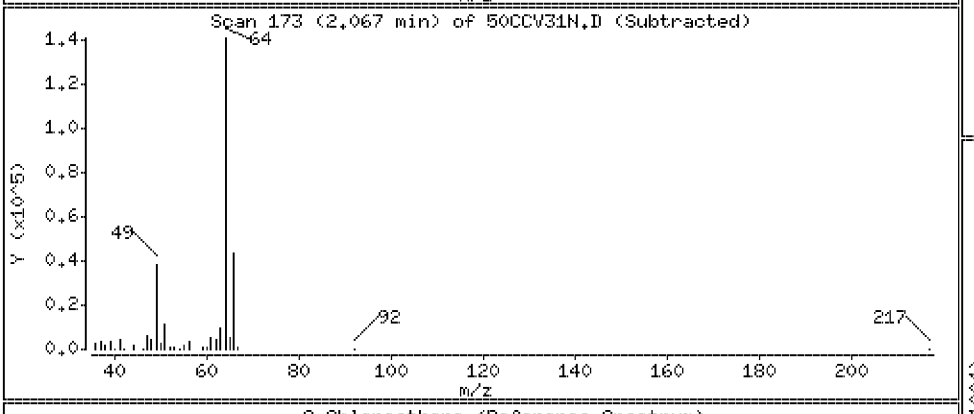
Column phase: RTX-502.2

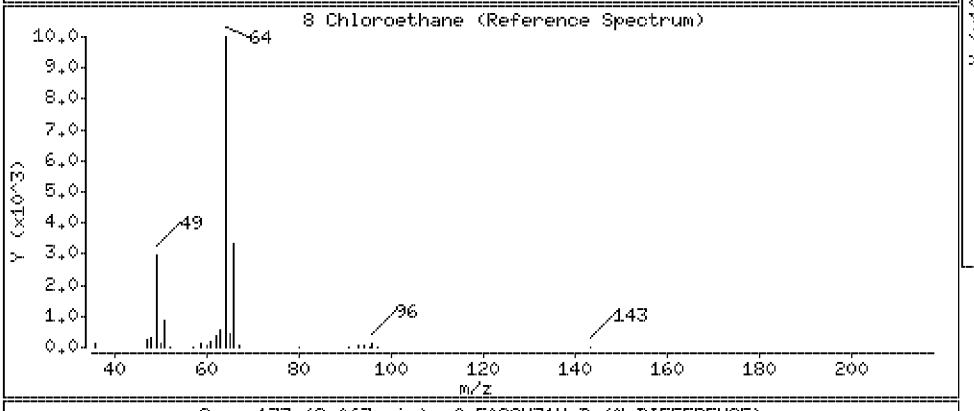
Column diameter: 0.18

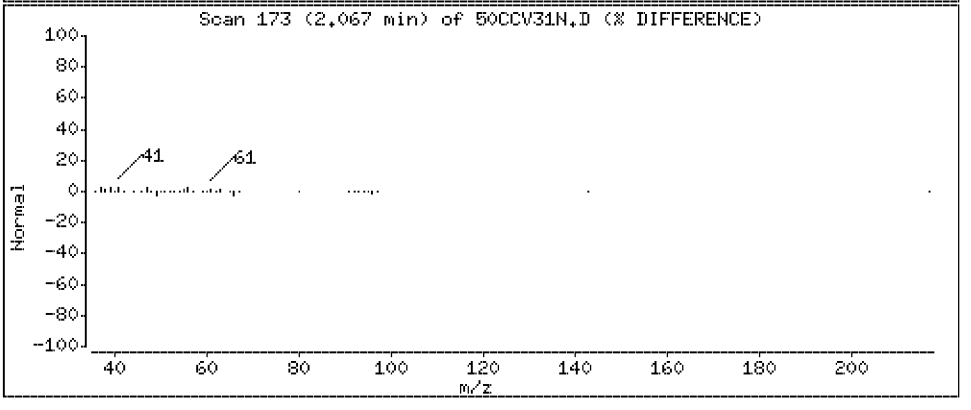
8 Chloroethane

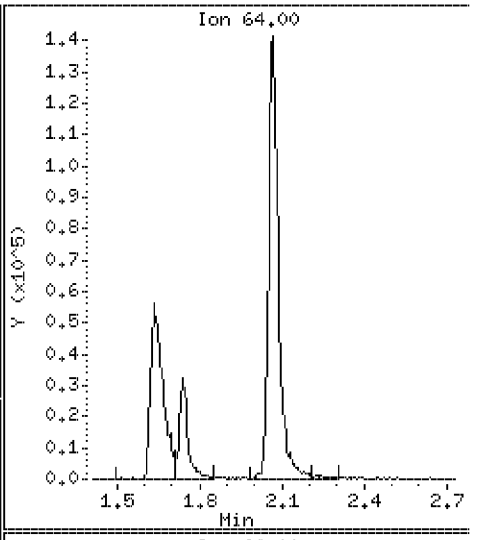
Concentration: 45.2 ug/l

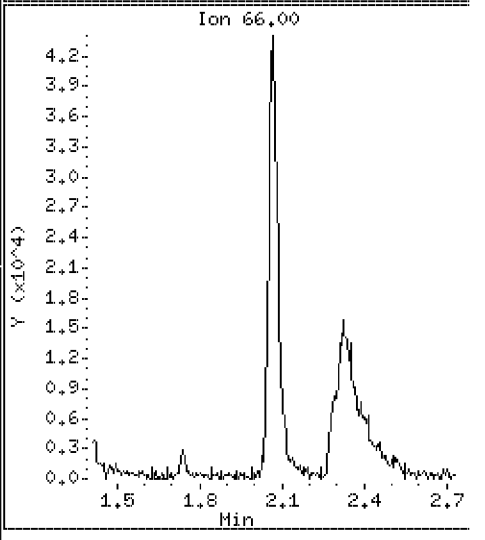












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

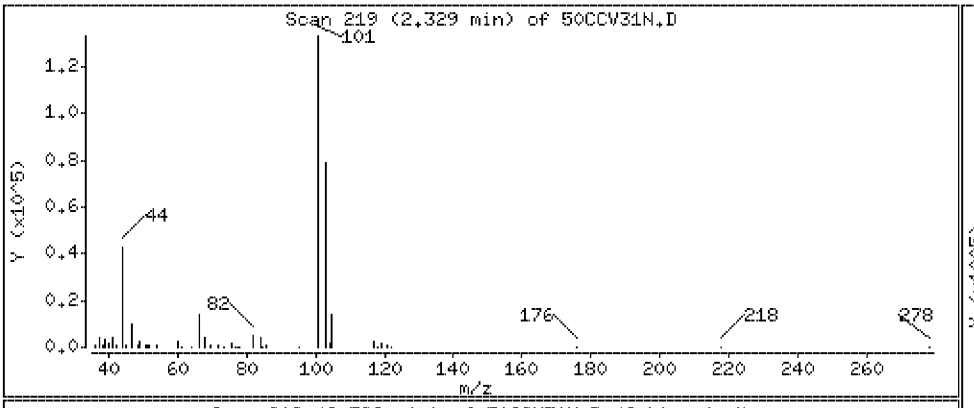
Client ID: 072710CCVA31 Instrument: vms03.i

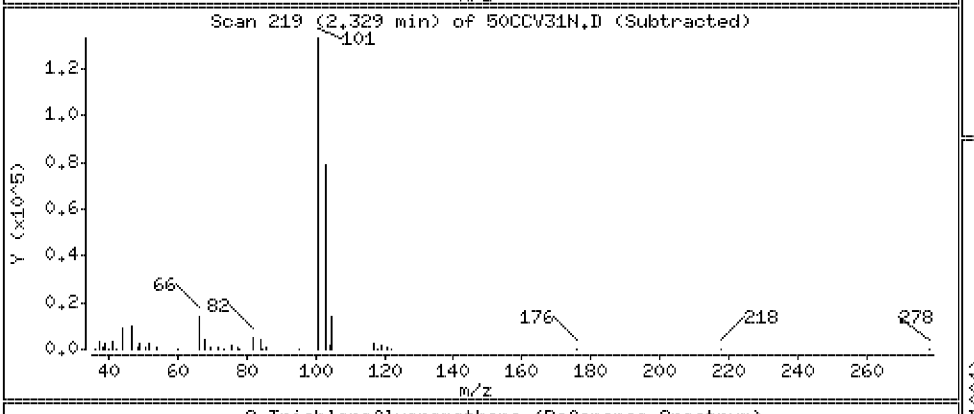
Sample Info: 072710CCVA31

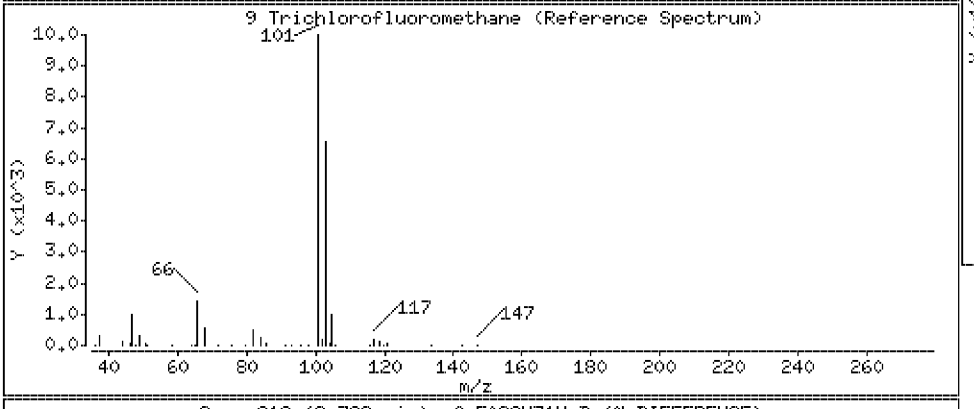
Purge Volume: 5.0 Operator:

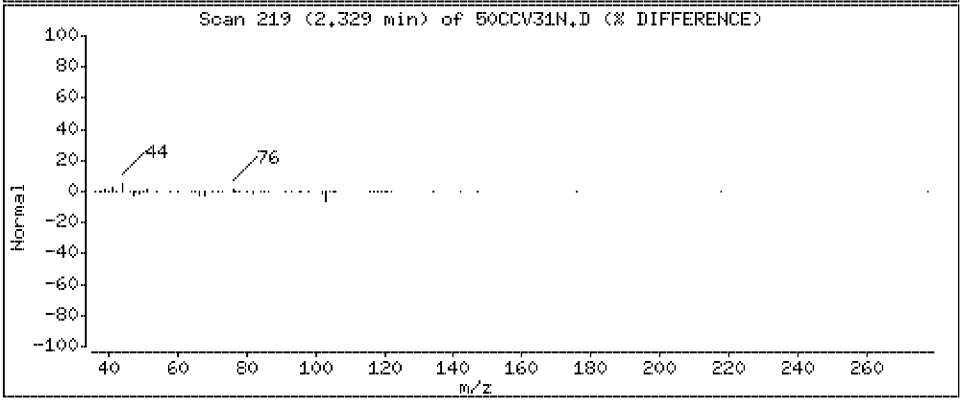
Column phase: RTX-502.2 Column diameter: 0.18

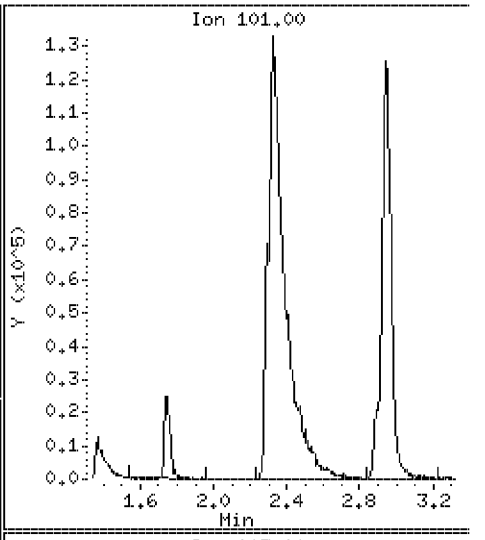
9 Trichlorofluoromethane Concentration: 48.4 ug/l

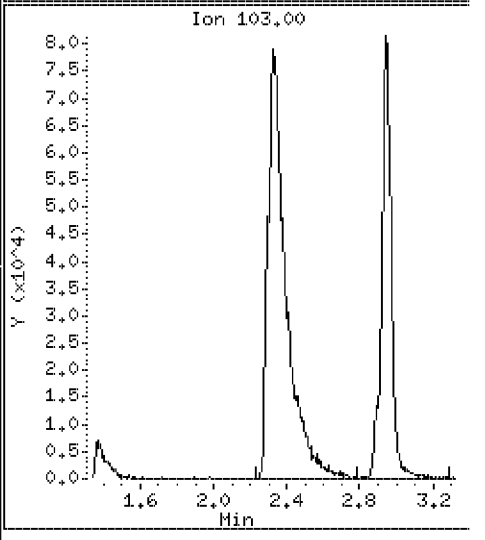












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

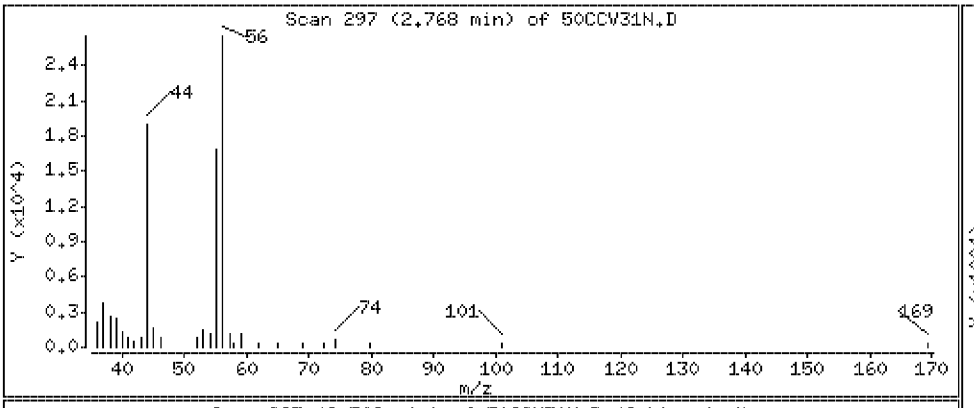
Operator:

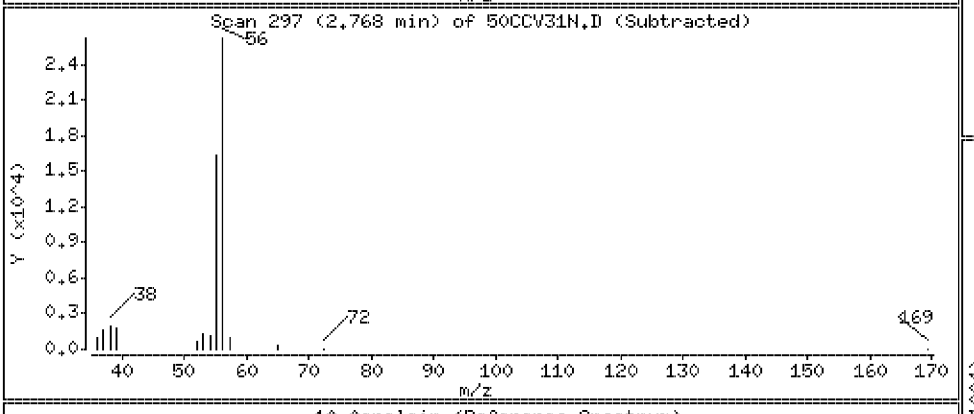
Column phase: RTX-502.2

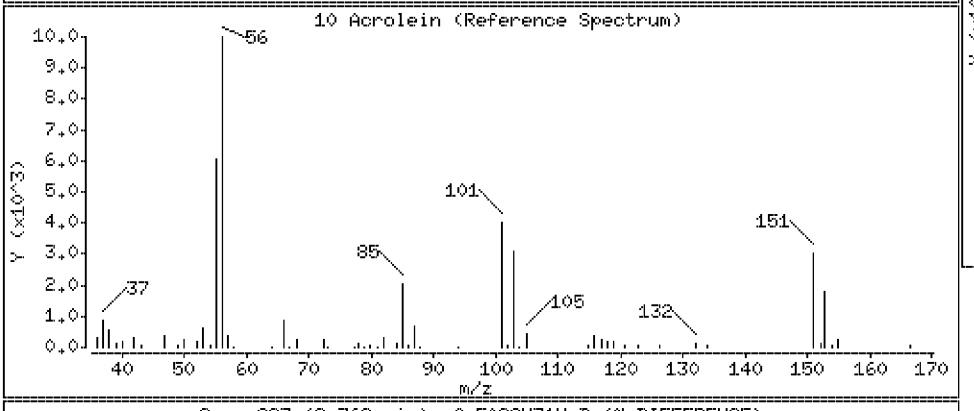
Column diameter: 0.18

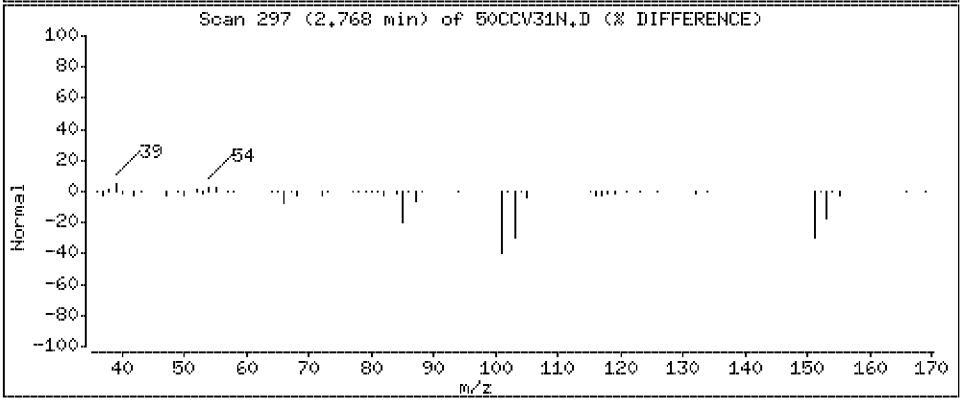
10 Acrolein

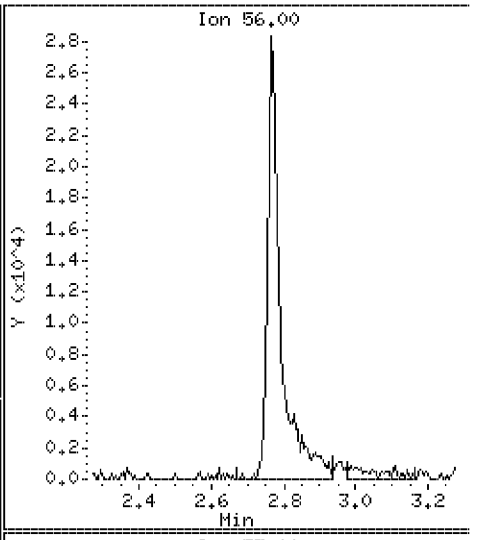
Concentration: 82.1 ug/l

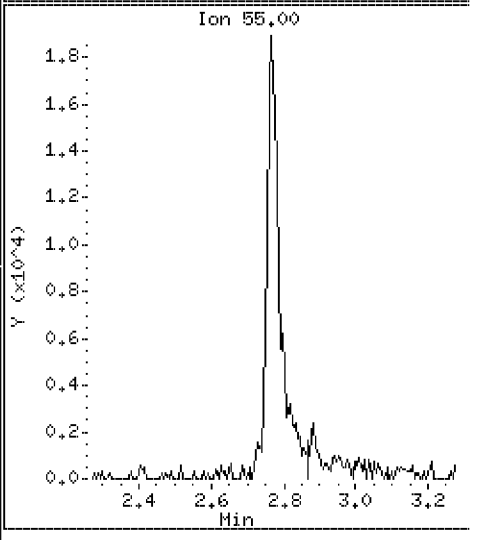












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

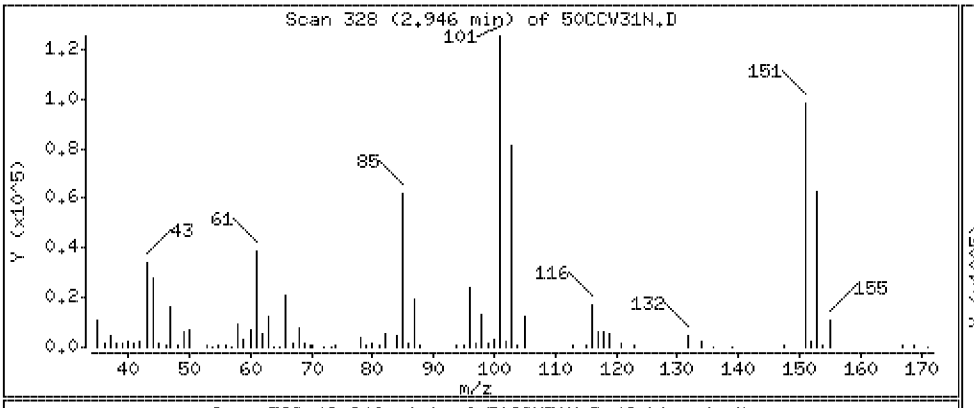
Operator:

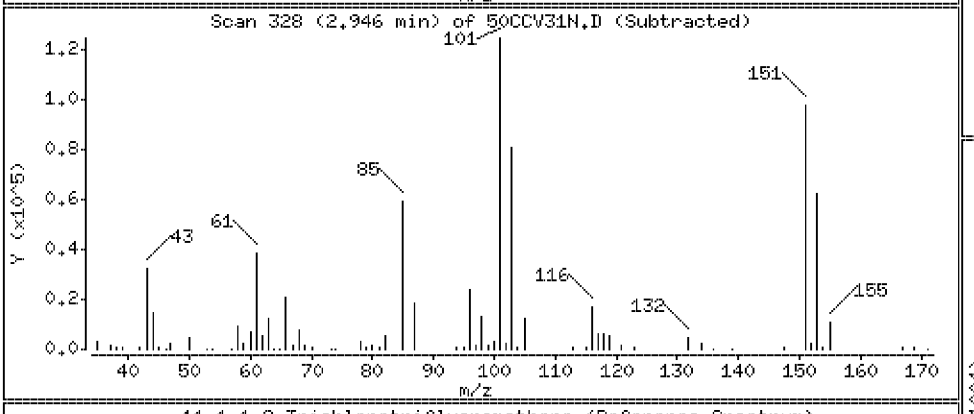
Column phase: RTX-502.2

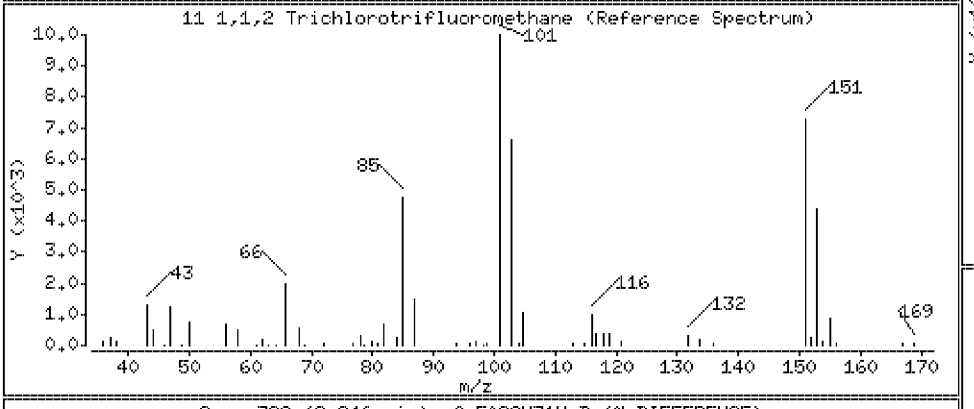
Column diameter: 0.18

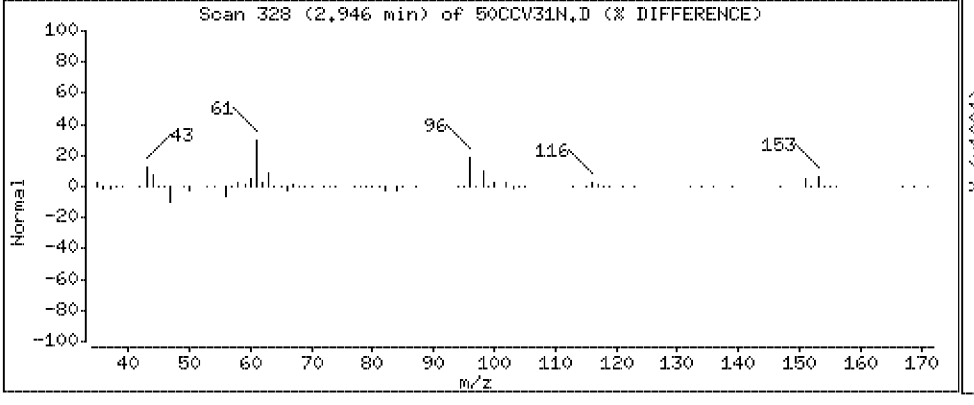
11 1,1,2 Trichlorotrifluoromethane

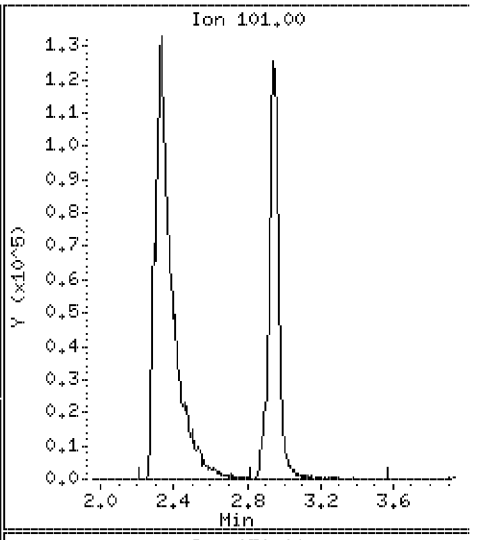
Concentration: 48.2 ug/l

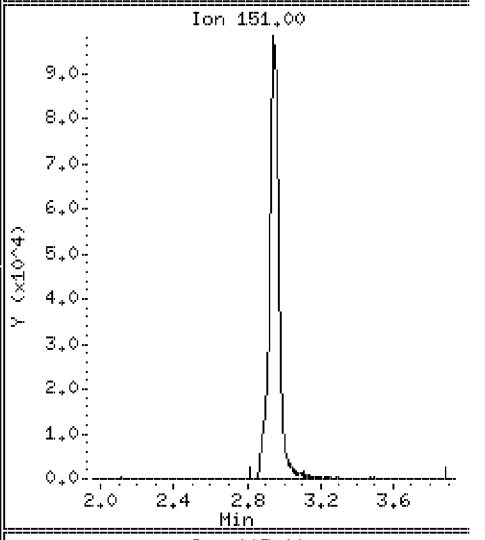


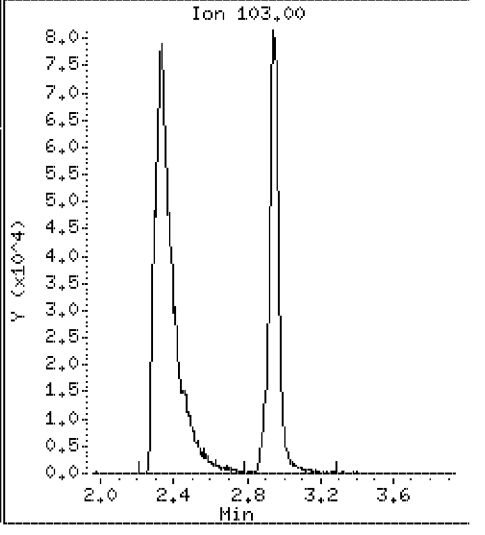












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

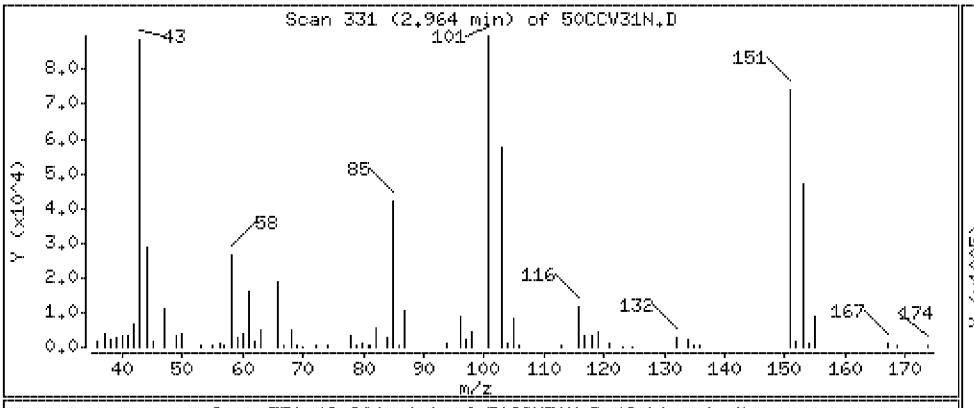
Operator:

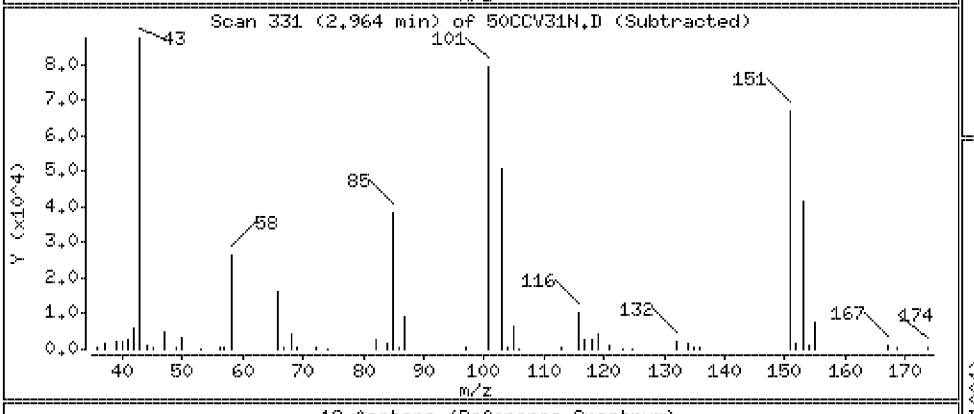
Column phase: RTX-502.2

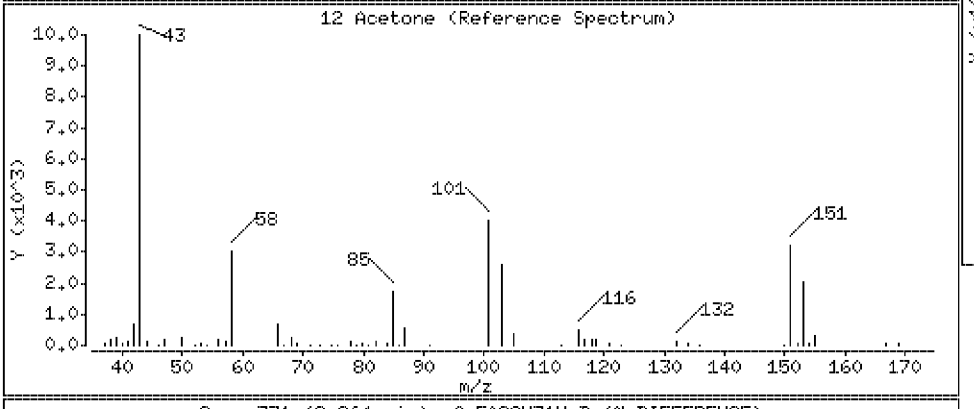
Column diameter: 0.18

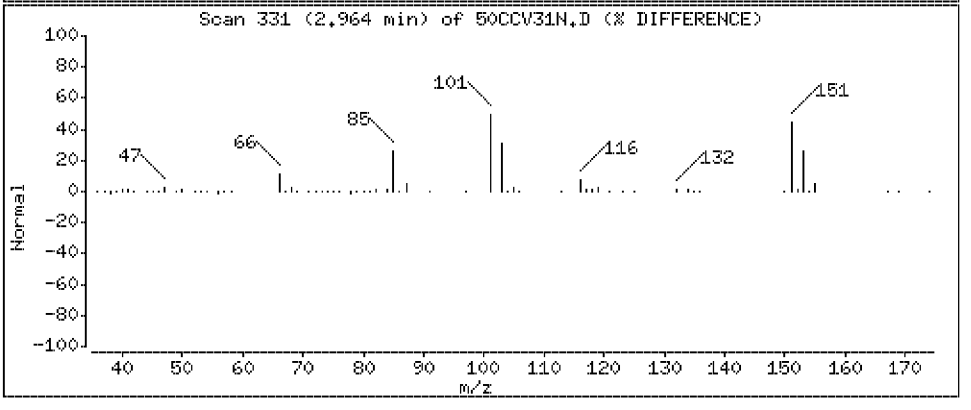
12 Acetone

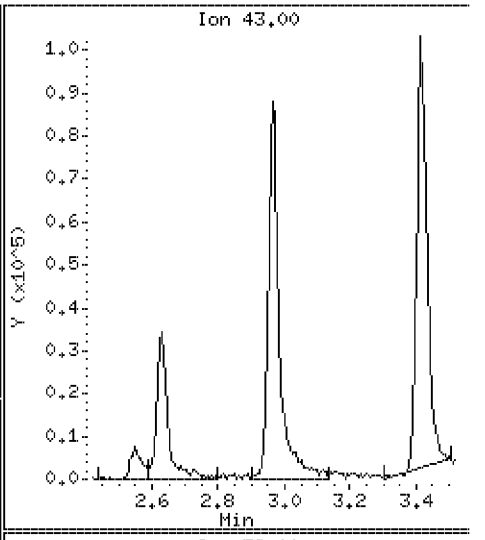
Concentration: 99.1 ug/l

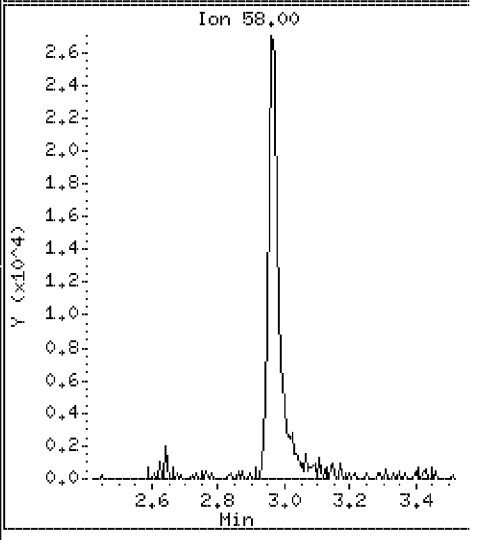












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

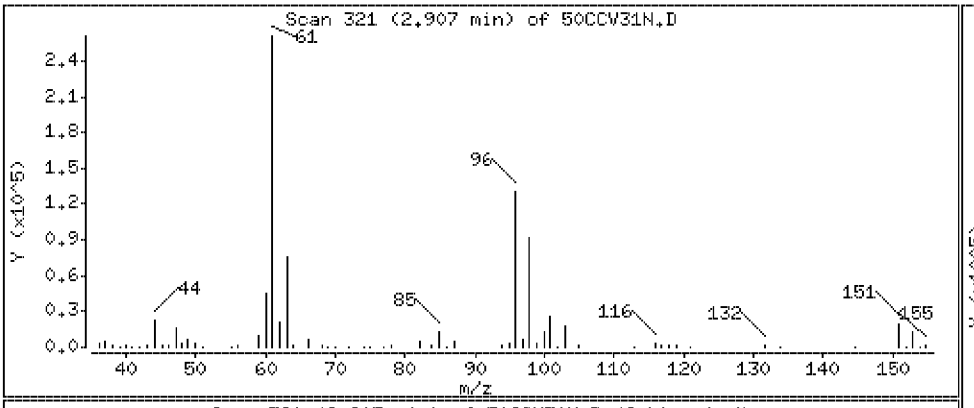
Operator:

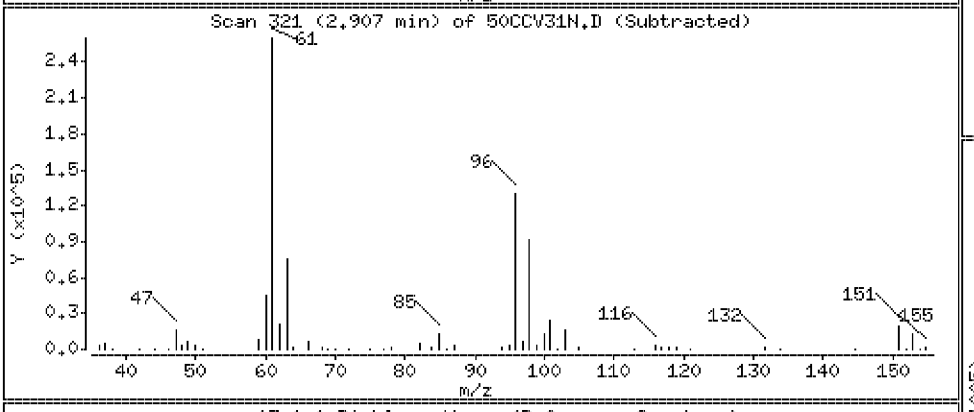
Column phase: RTX-502.2

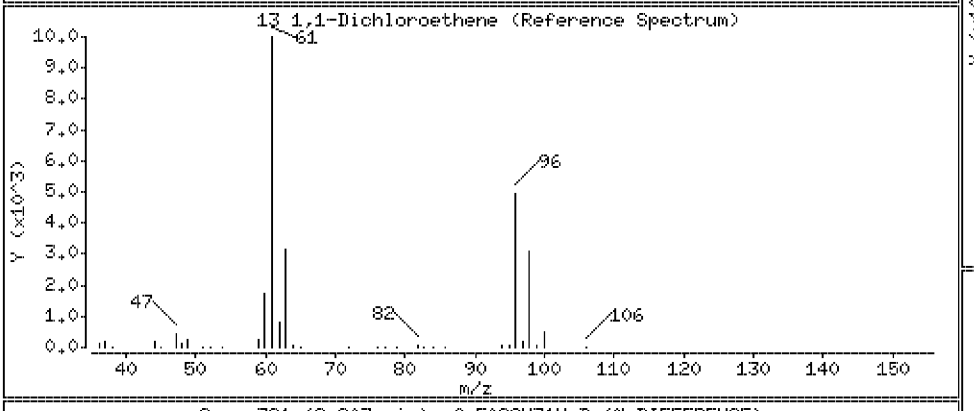
Column diameter: 0.18

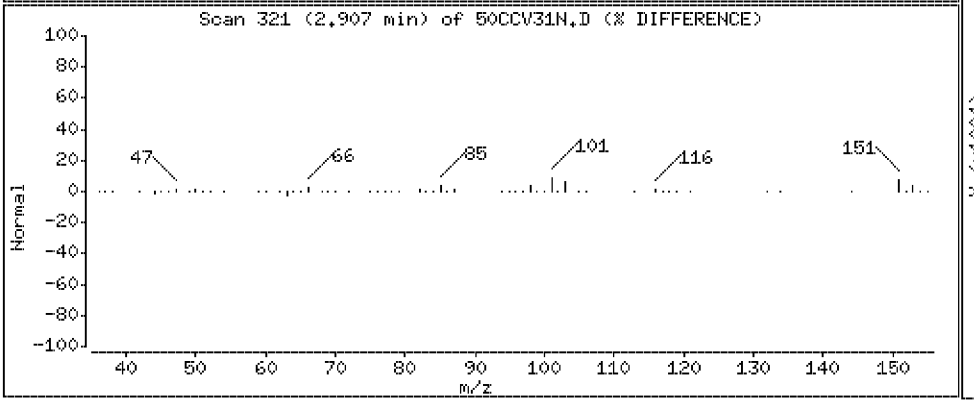
13 1,1-Dichloroethene

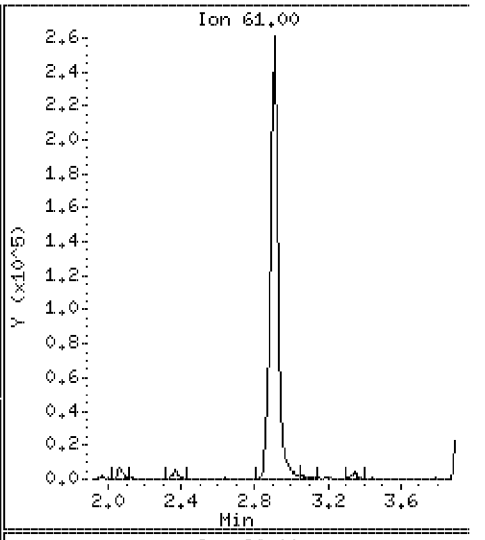
Concentration: 48.8 ug/l

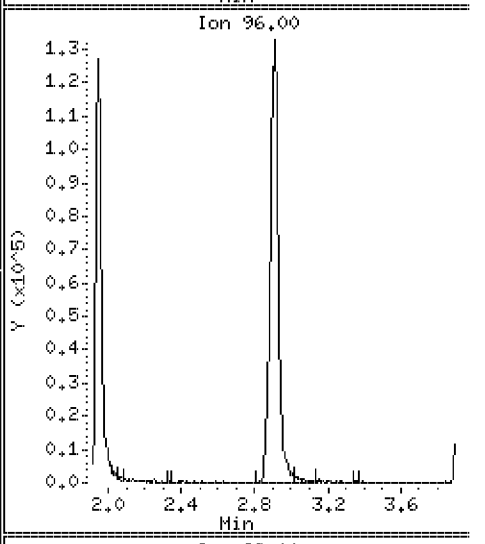


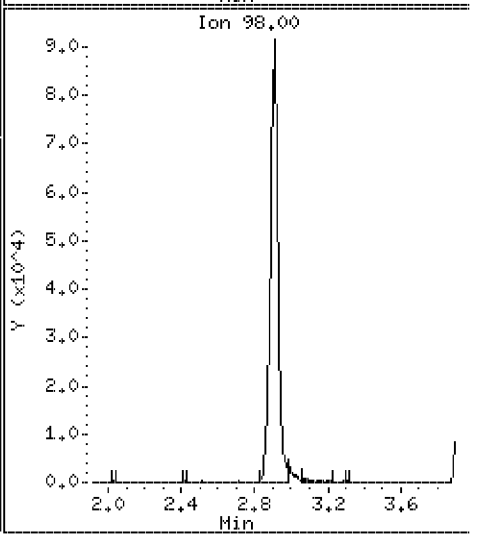












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

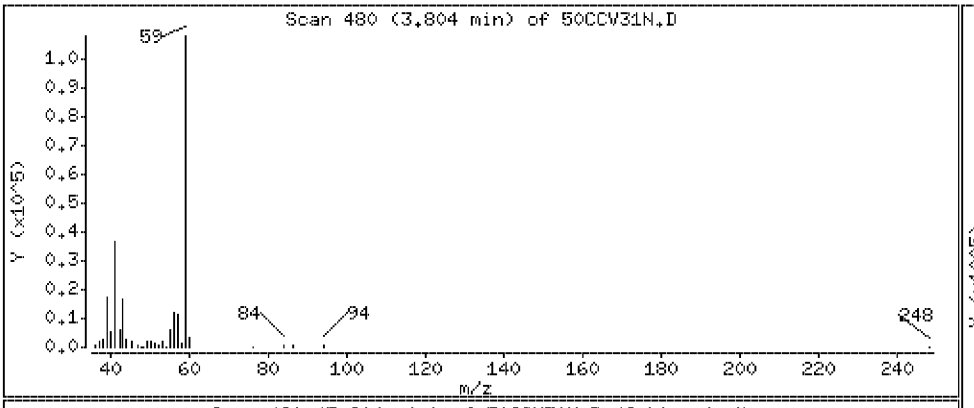
Client ID: 072710CCVA31 Instrument: vms03.i

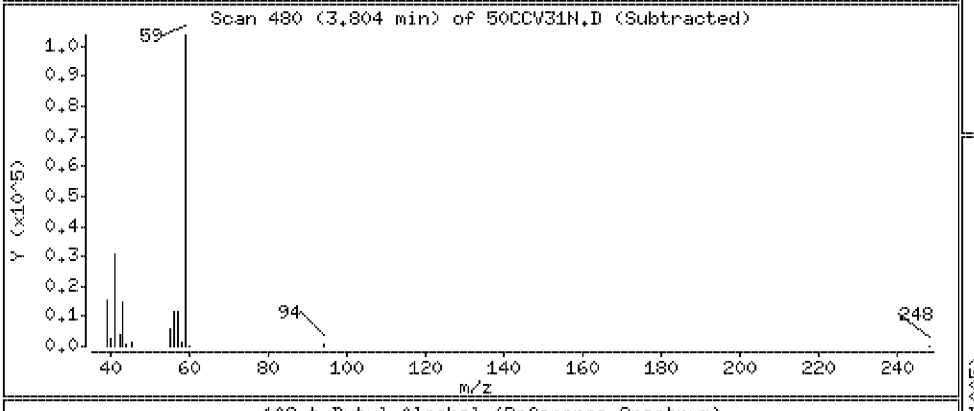
Sample Info: 072710CCVA31

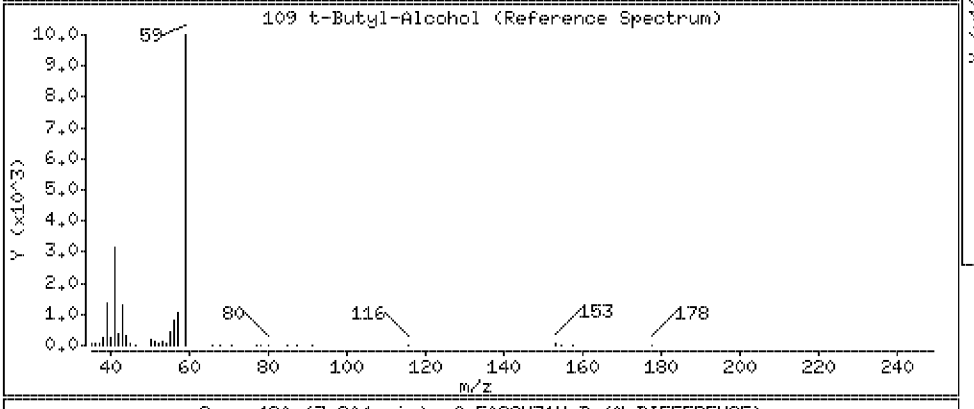
Purge Volume: 5.0 Operator:

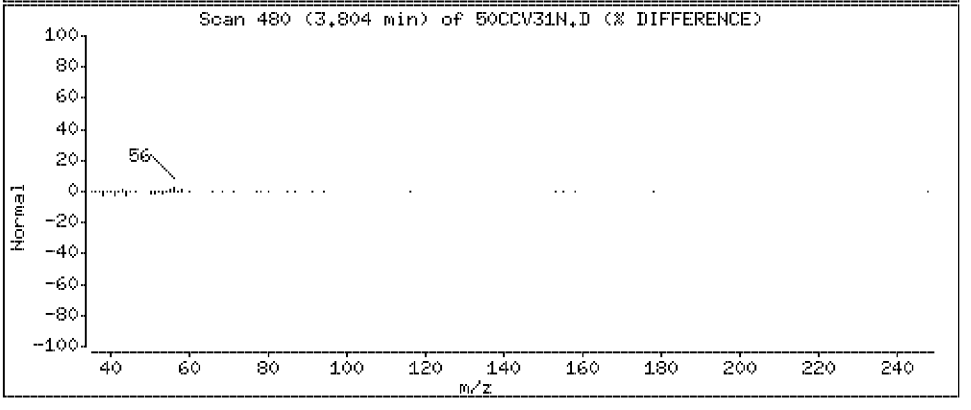
Column phase: RTX-502.2 Column diameter: 0.18

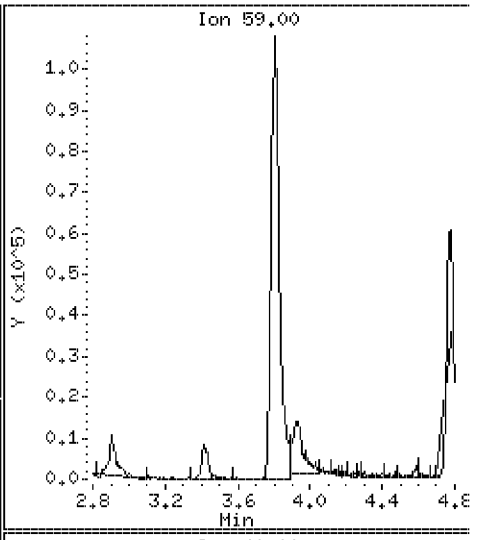
109 t-Butyl-Alcohol Concentration: 474 ug/l

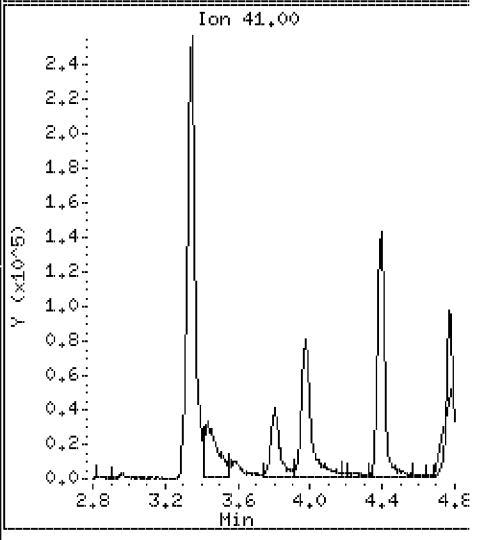












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

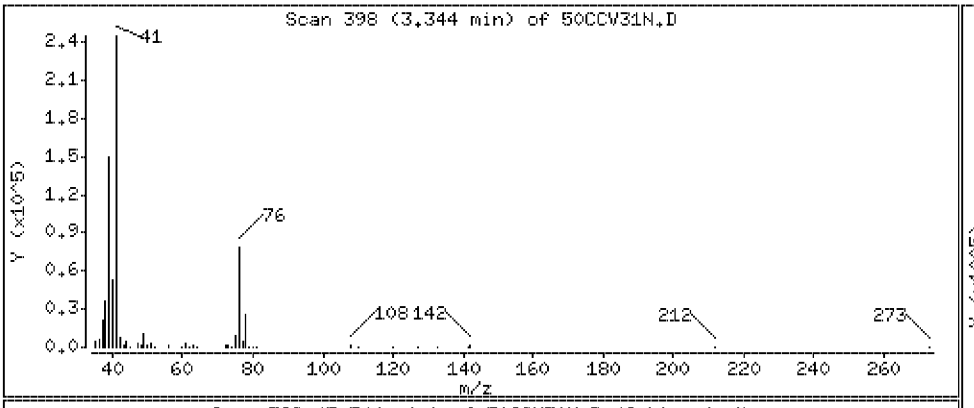
Operator:

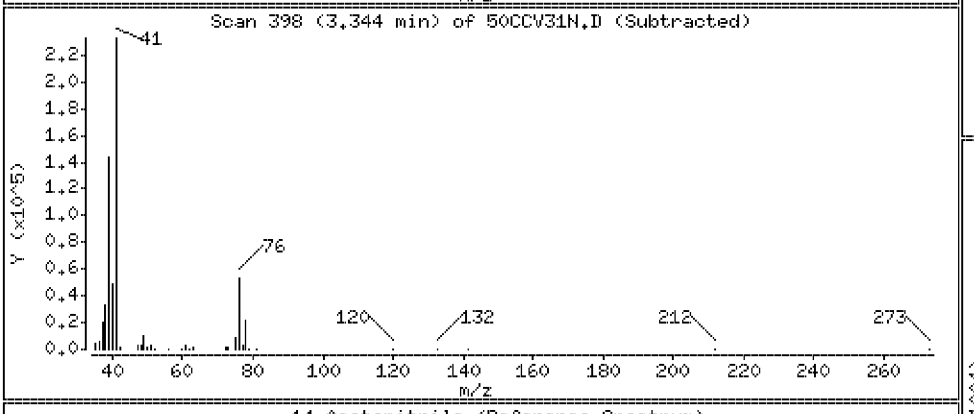
Column phase: RTX-502.2

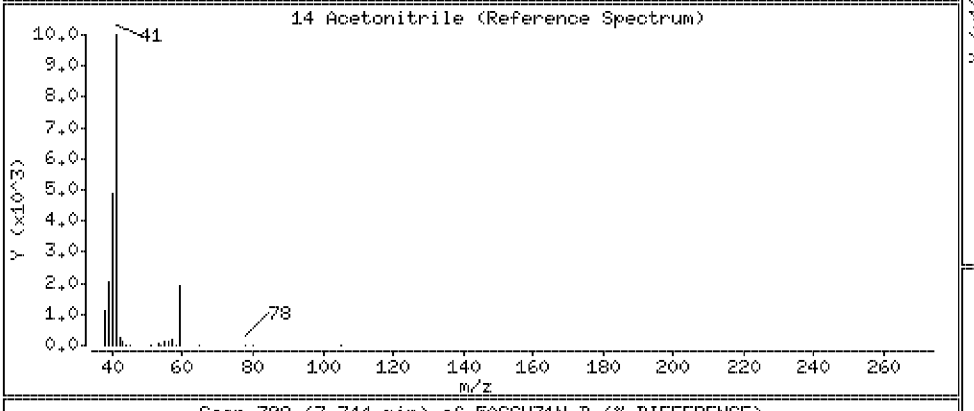
Column diameter: 0.18

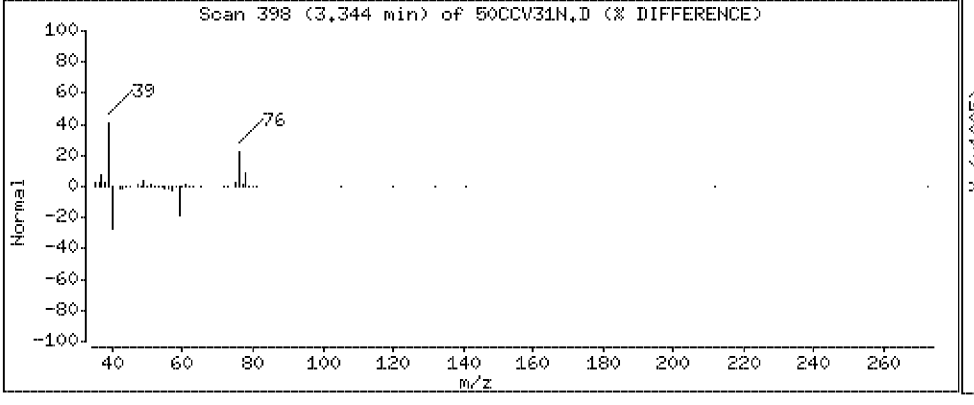
14 Acetonitrile

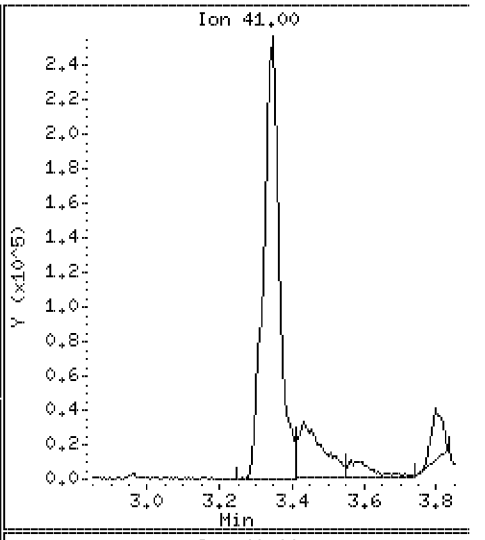
Concentration: 373 ug/l

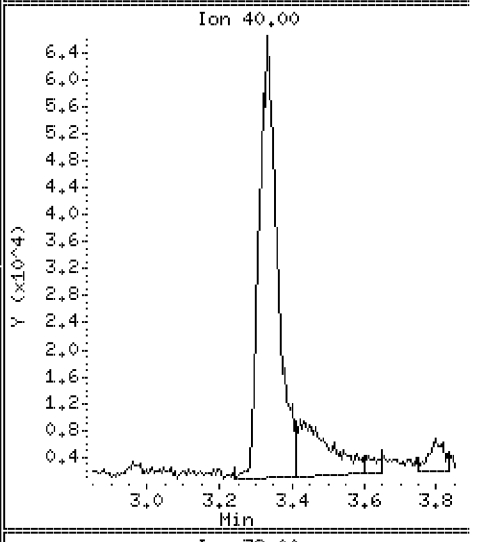


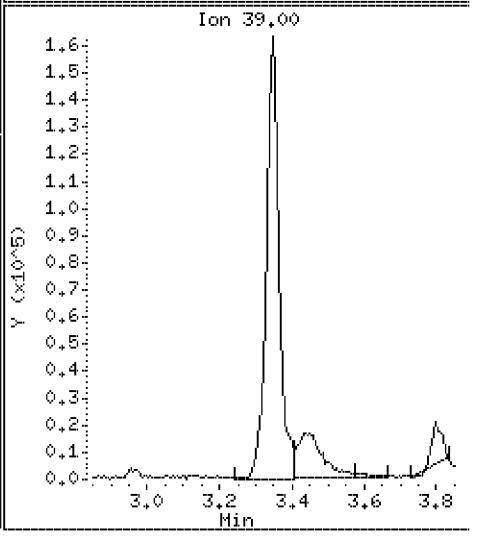












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

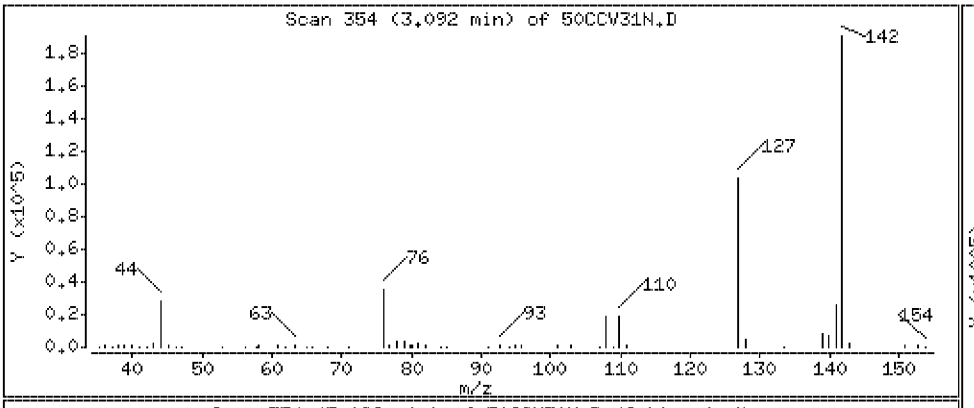
Operator:

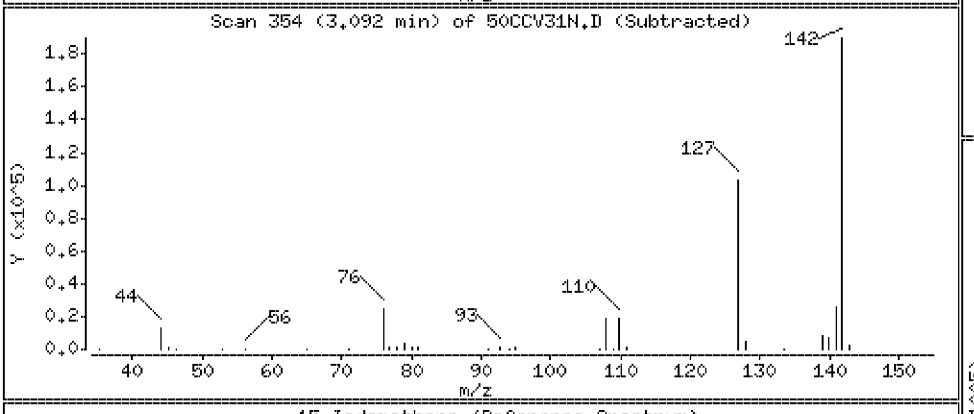
Column phase: RTX-502.2

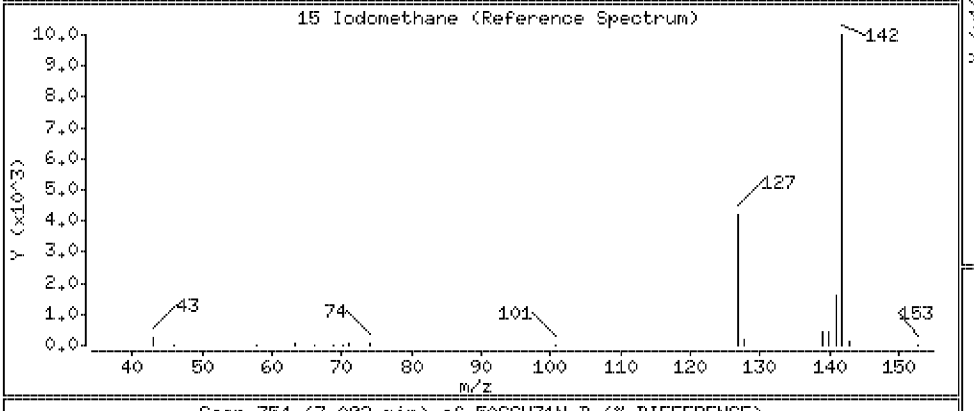
Column diameter: 0.18

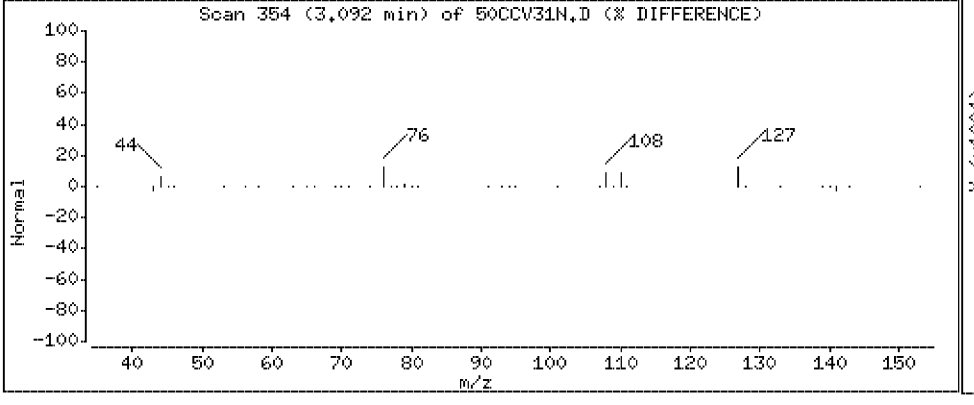
15 Iodomethane

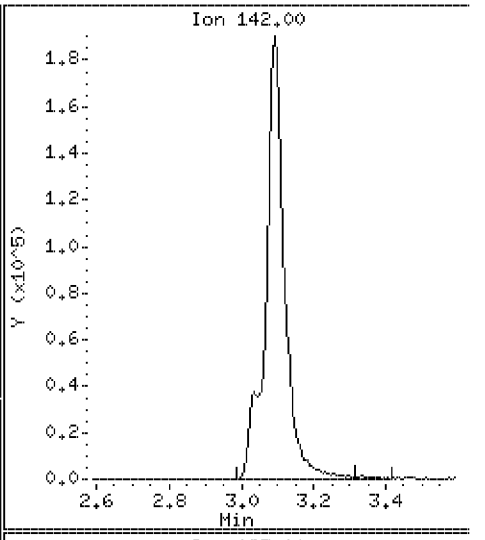
Concentration: 47.6 ug/l

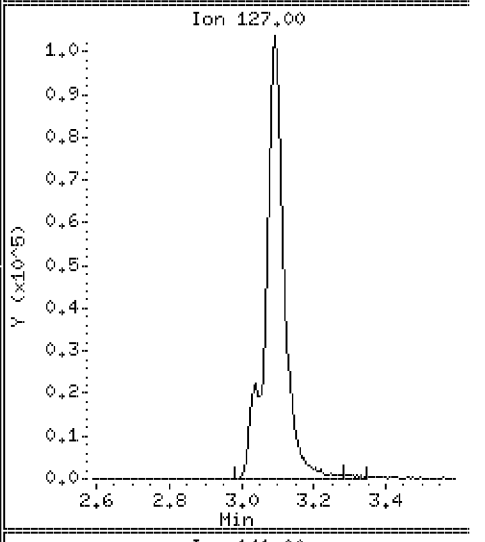


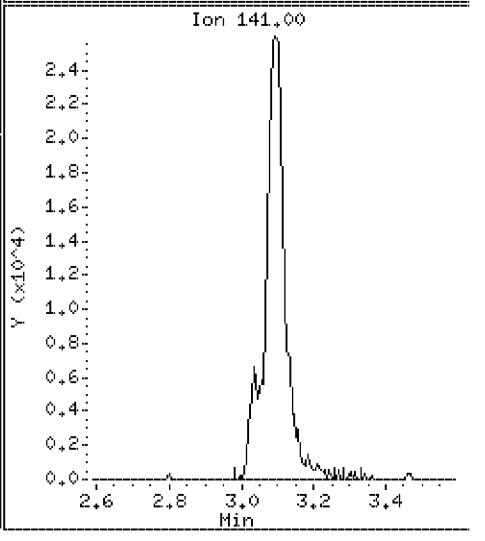












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

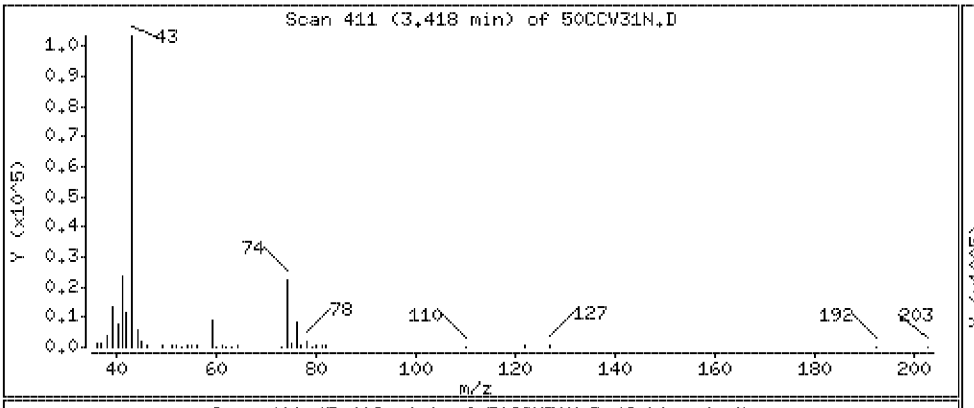
Client ID: 072710CCVA31 Instrument: vms03.i

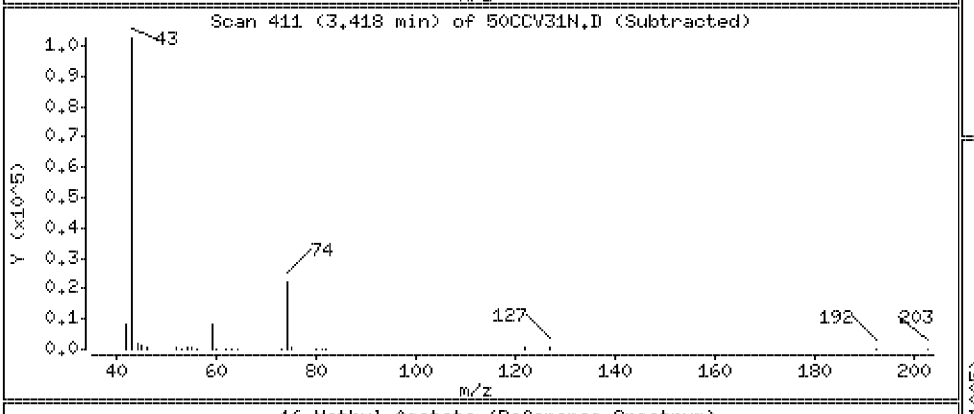
Sample Info: 072710CCVA31

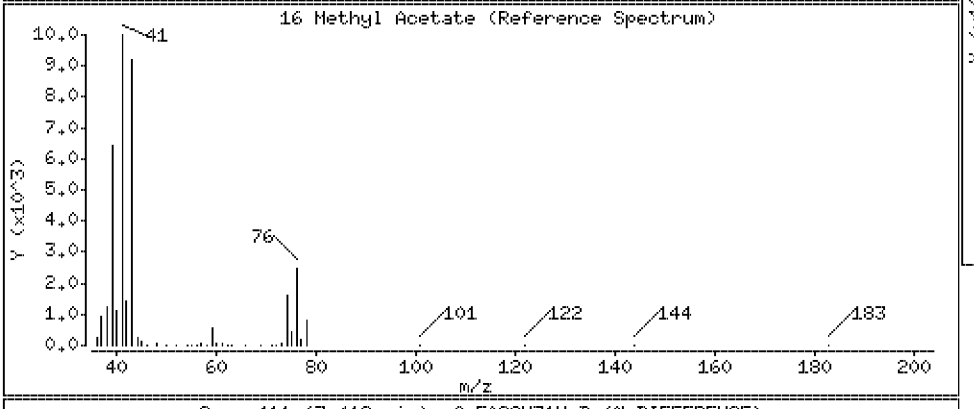
Purge Volume: 5.0 Operator:

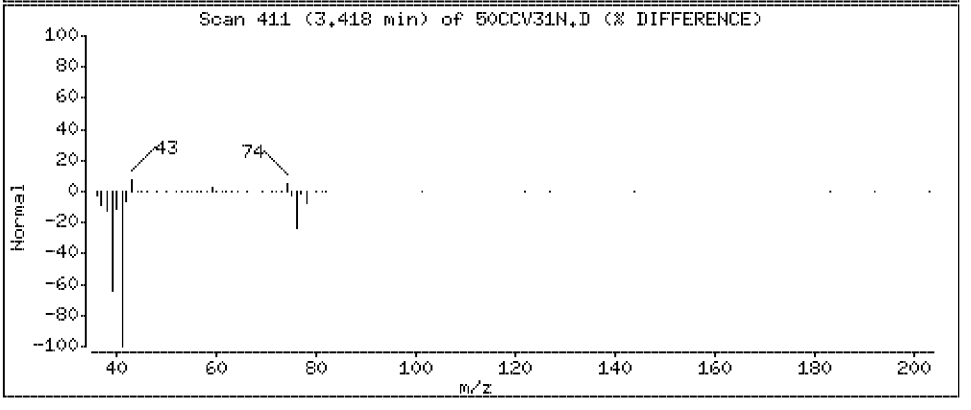
Column phase: RTX-502.2 Column diameter: 0.18

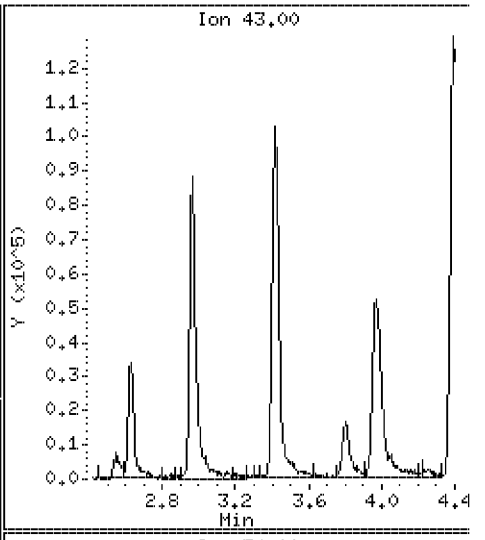
16 Methyl Acetate Concentration: 42.2 ug/l

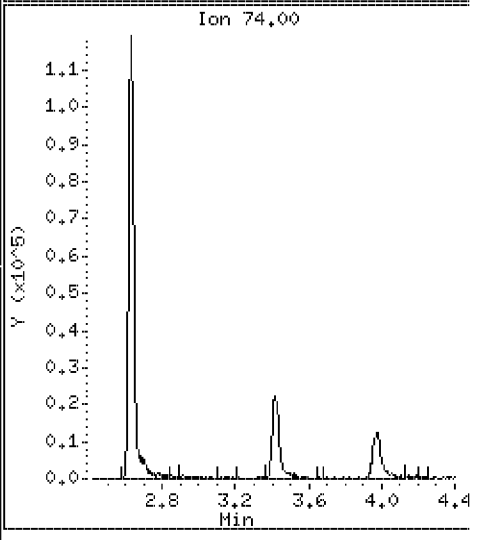












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

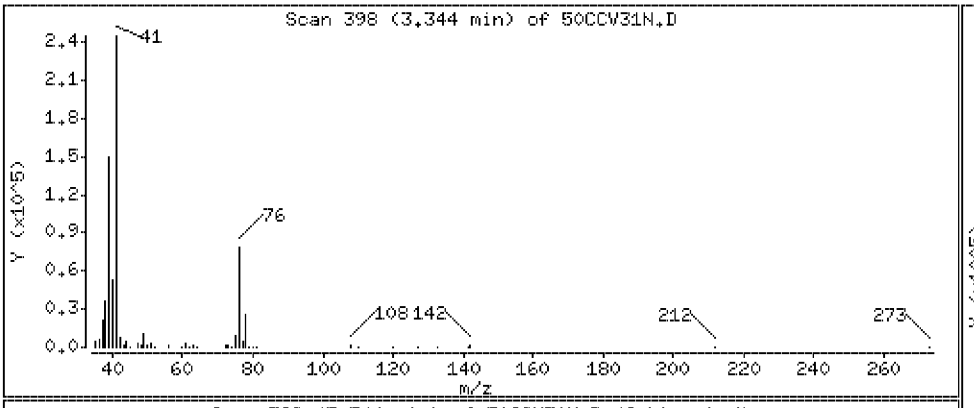
Operator:

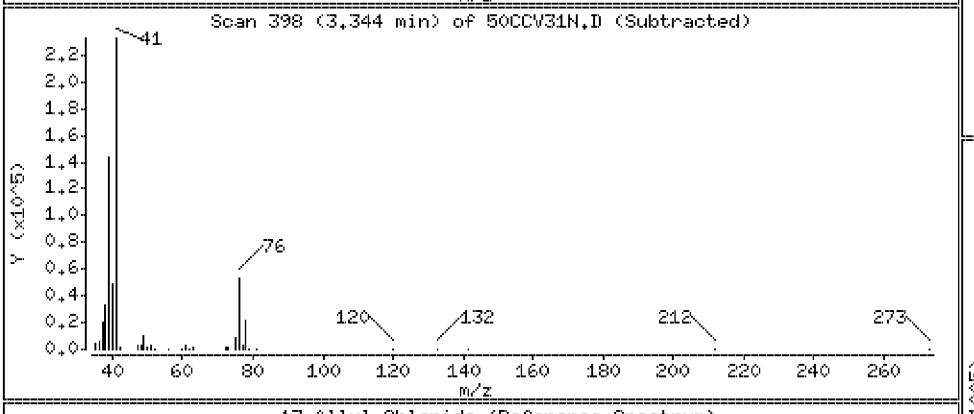
Column phase: RTX-502.2

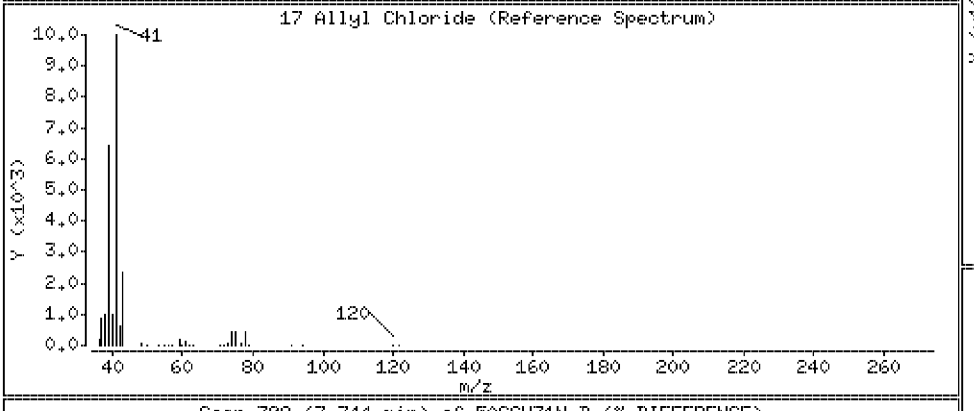
Column diameter: 0.18

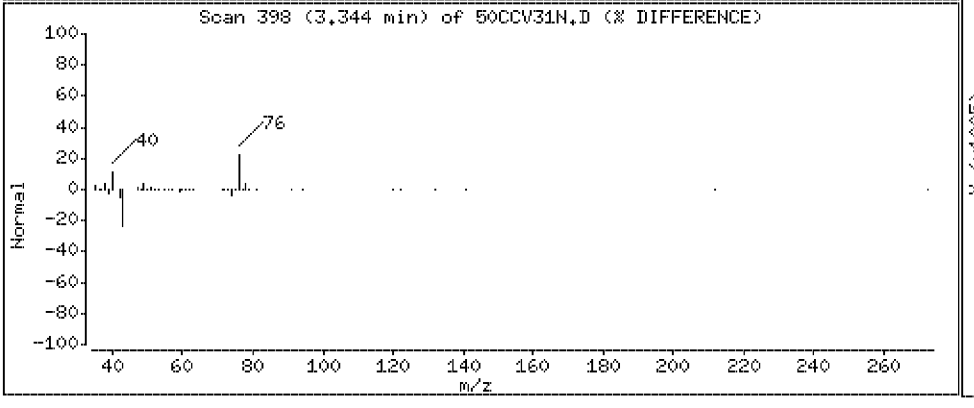
17 Allyl Chloride

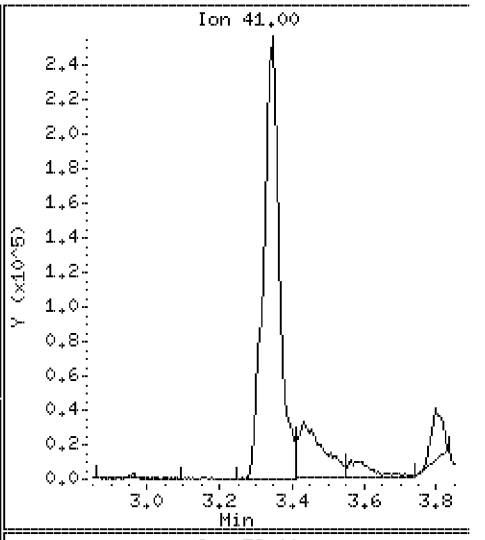
Concentration: 37.9 ug/l

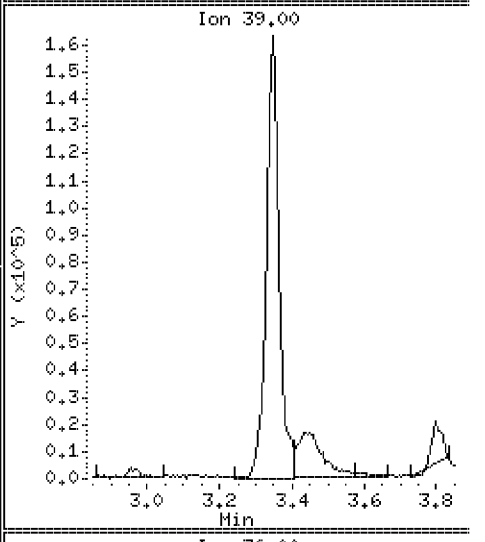


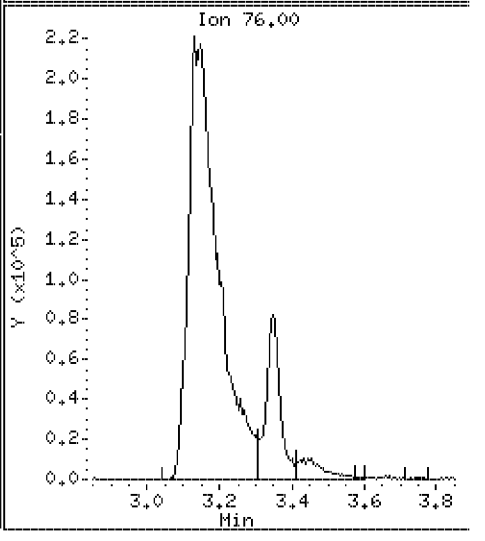












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

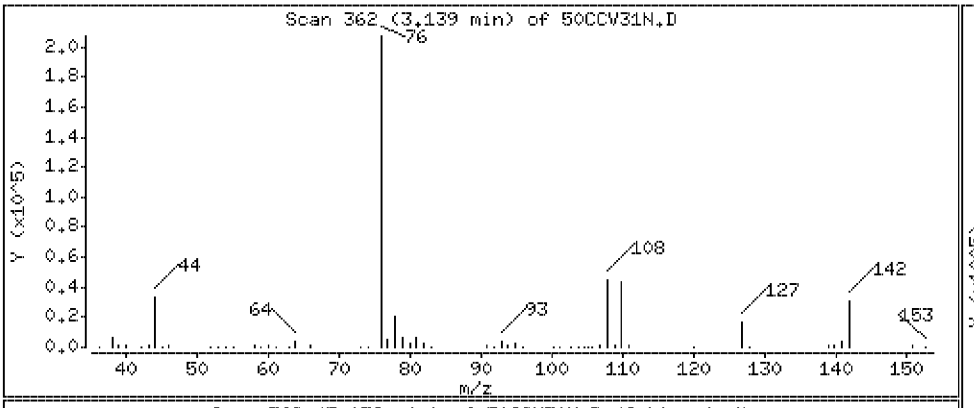
Client ID: 072710CCVA31 Instrument: vms03.i

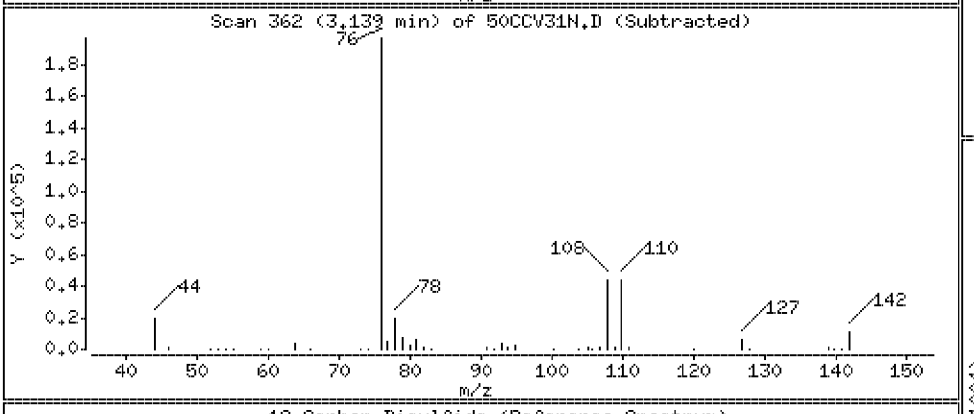
Sample Info: 072710CCVA31

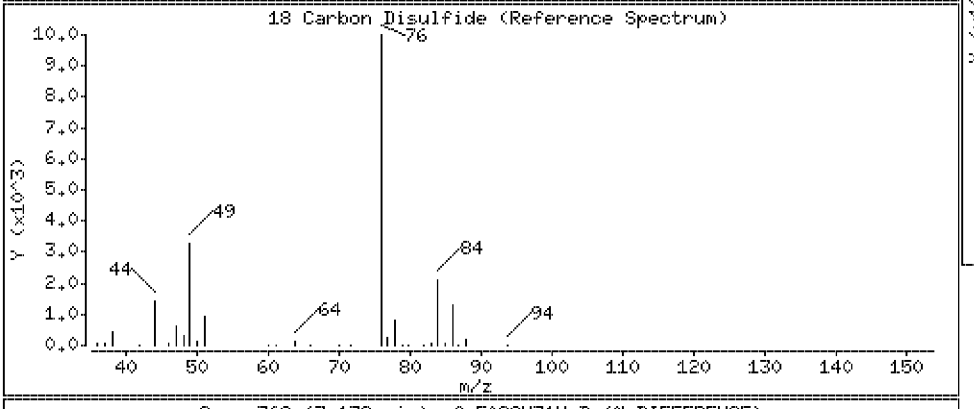
Purge Volume: 5.0 Operator:

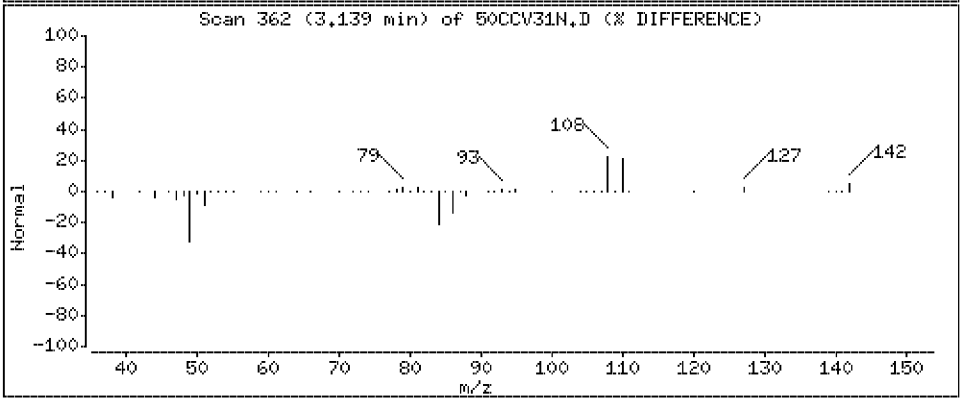
Column phase: RTX-502.2 Column diameter: 0.18

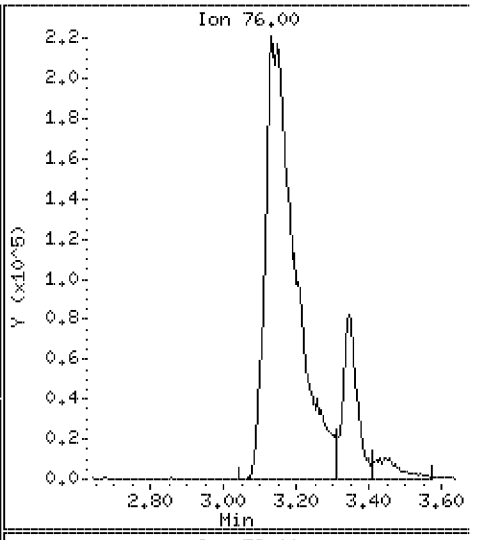
18 Carbon Disulfide Concentration: 47.2 ug/l

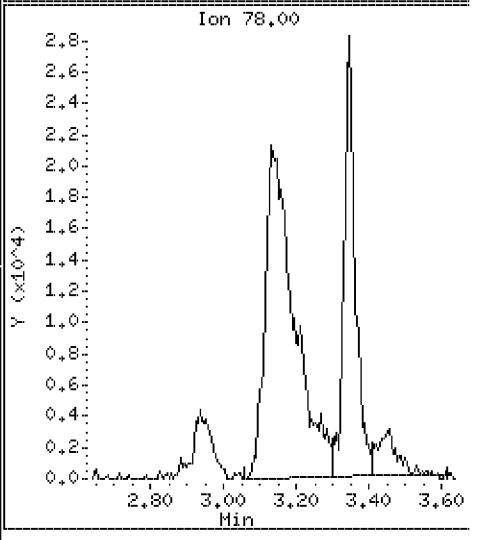












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

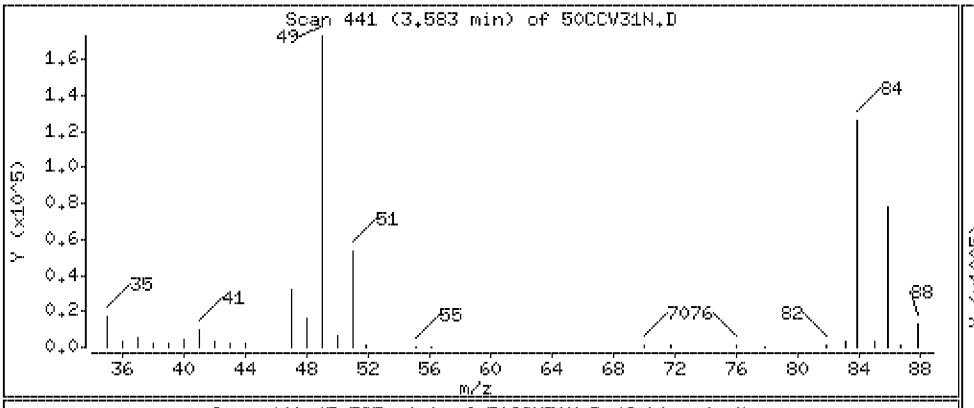
Operator:

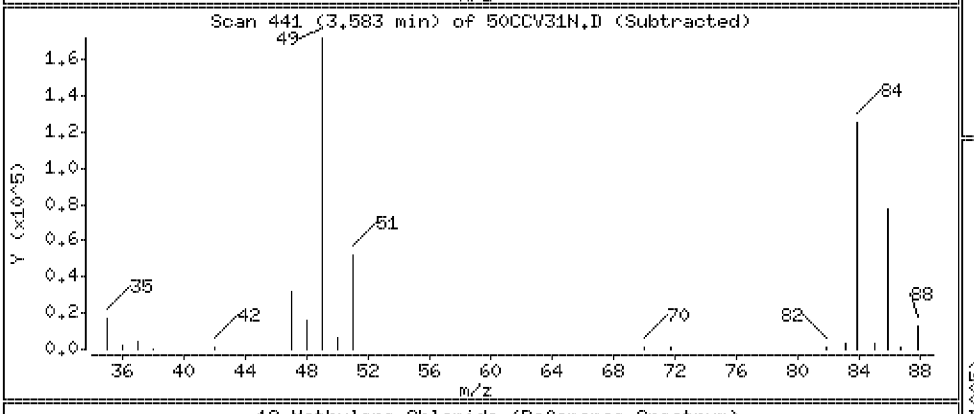
Column phase: RTX-502.2

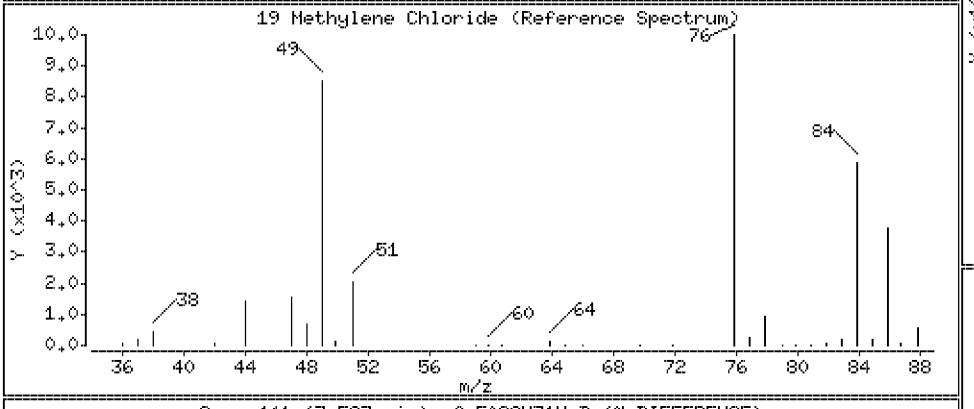
Column diameter: 0.18

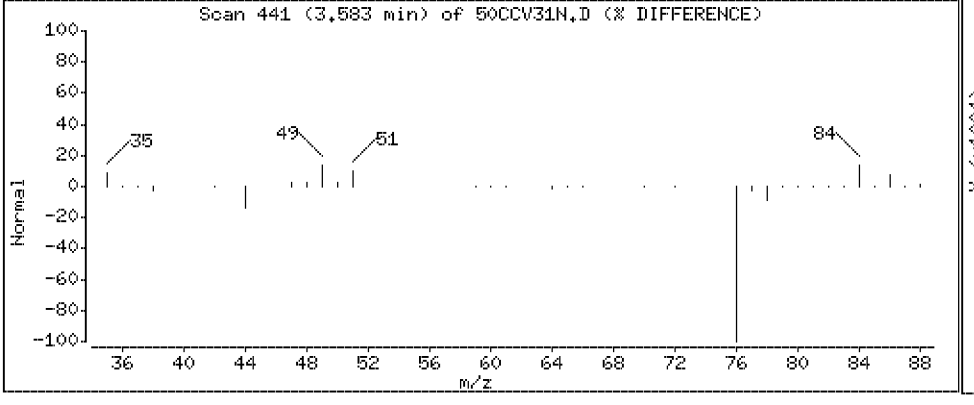
19 Methylene Chloride

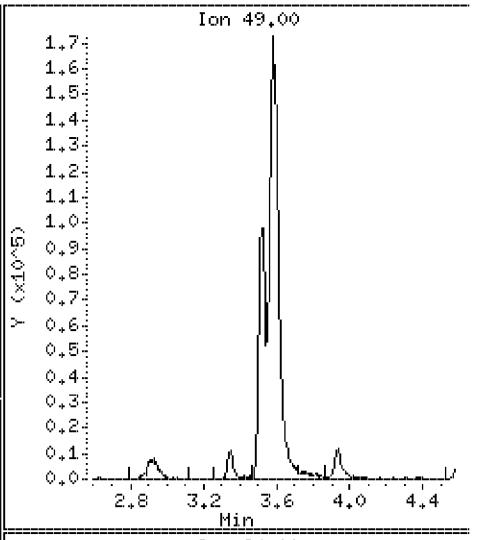
Concentration: 50.6 ug/l

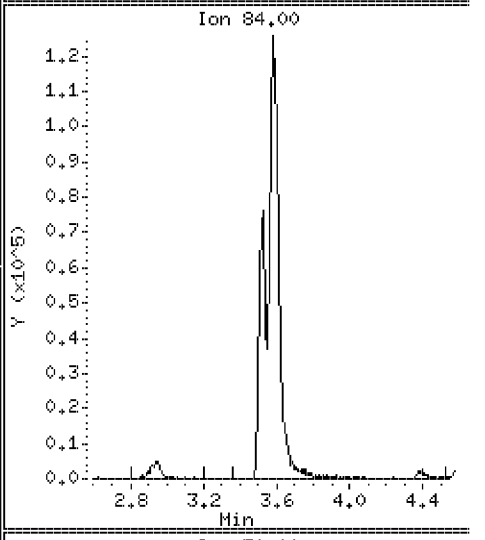


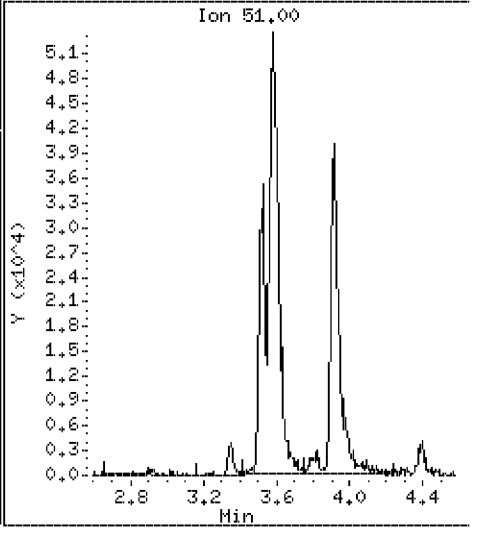












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

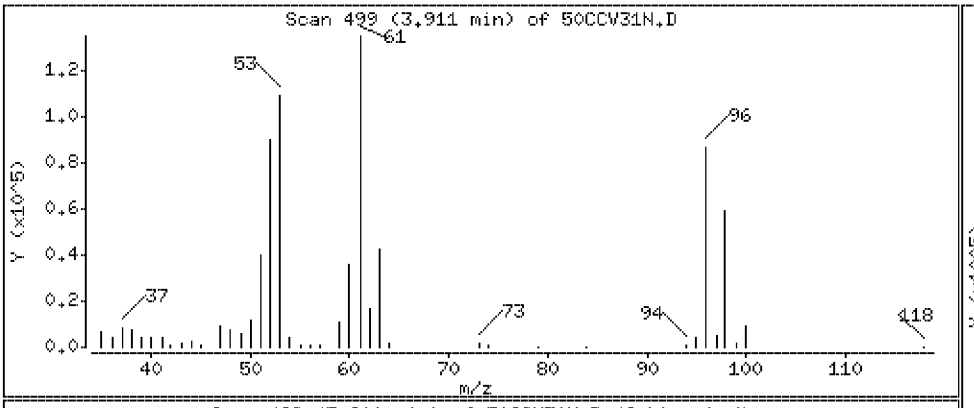
Operator:

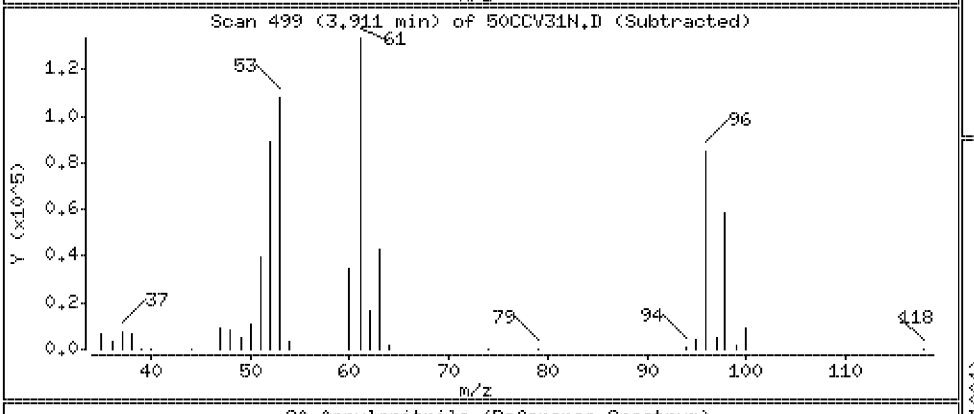
Column phase: RTX-502.2

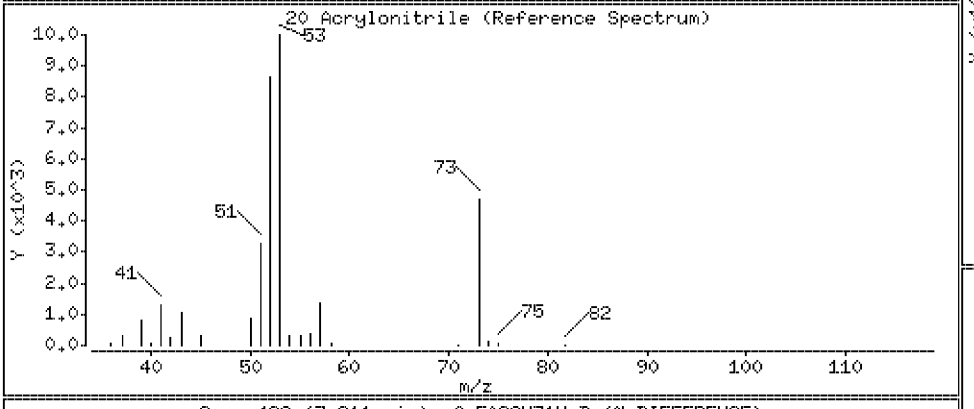
Column diameter: 0.18

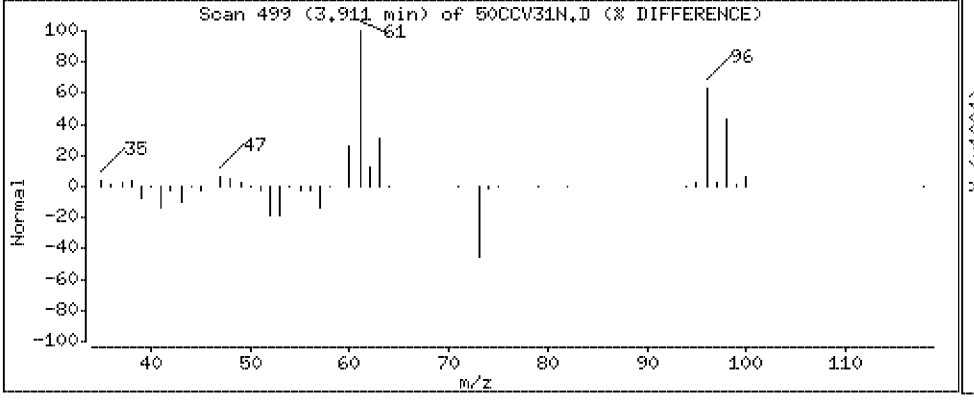
20 Acrylonitrile

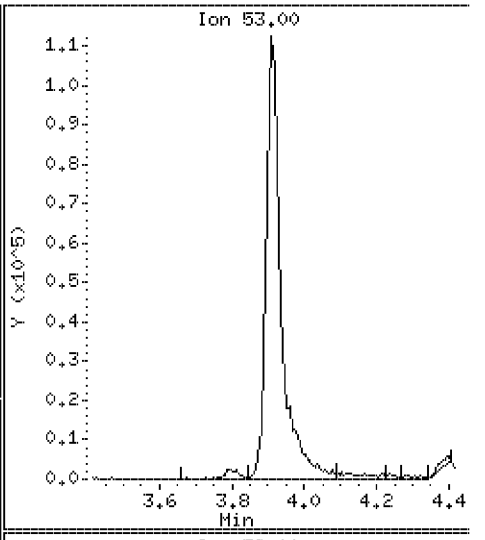
Concentration: 100 ug/l

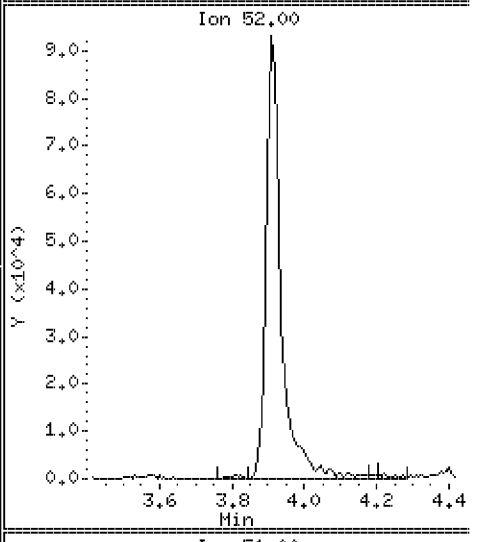


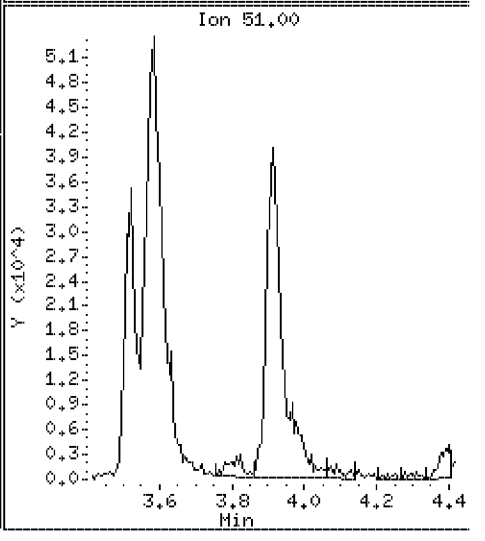












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

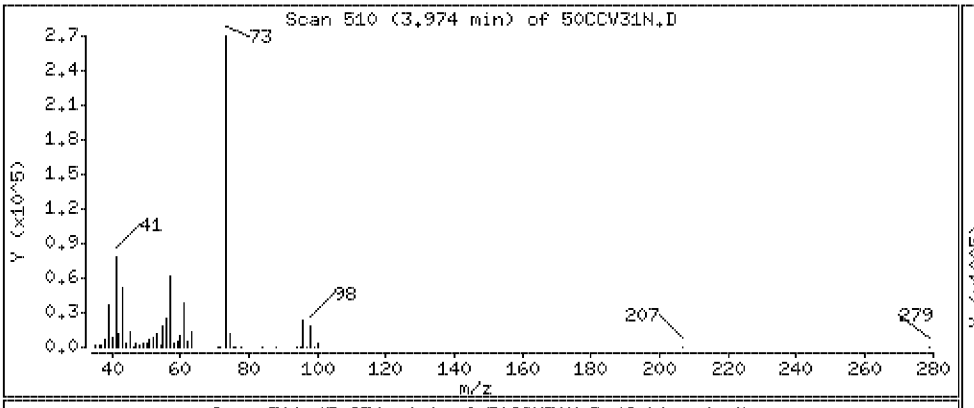
Client ID: 072710CCVA31 Instrument: vms03.i

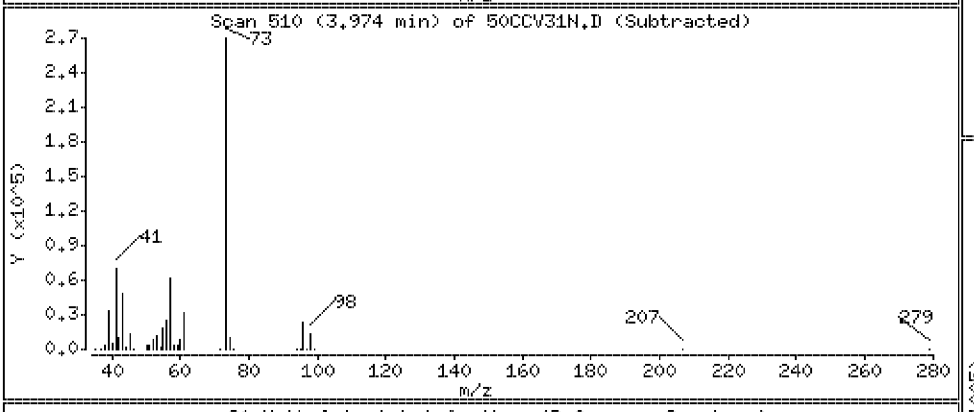
Sample Info: 072710CCVA31

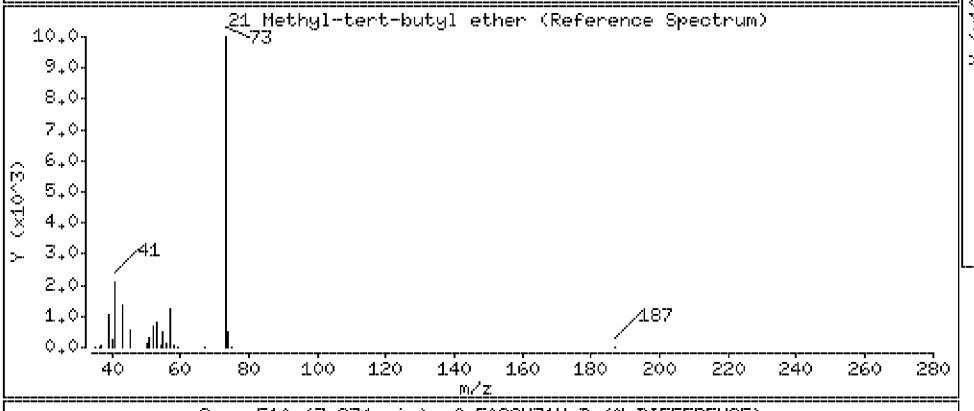
Purge Volume: 5.0 Operator:

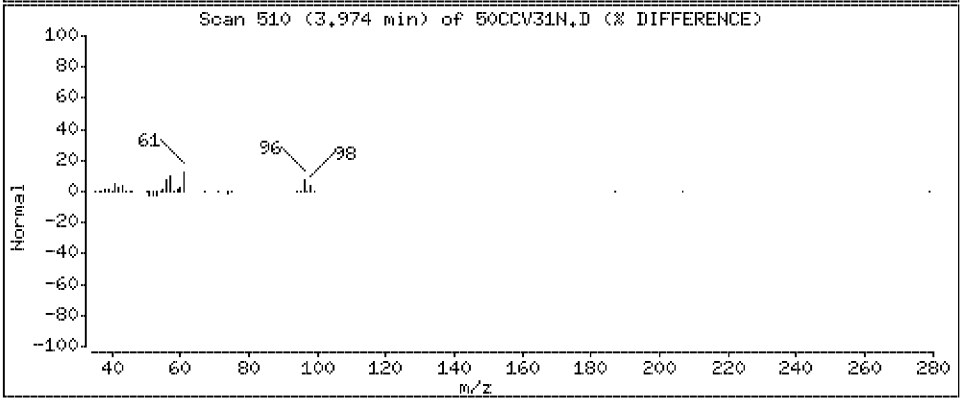
Column phase: RTX-502.2 Column diameter: 0.18

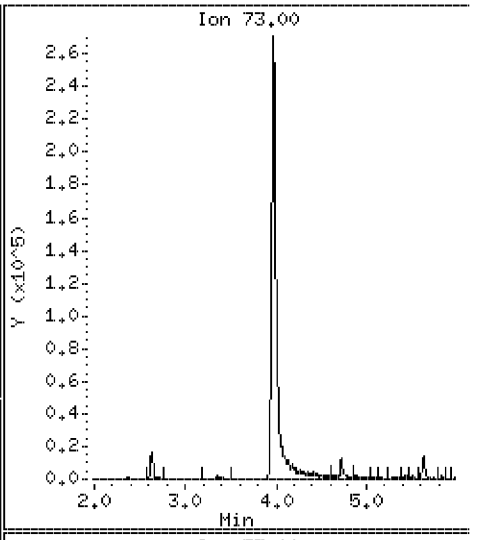
21 Methyl-tert-butyl ether Concentration: 52.6 ug/l

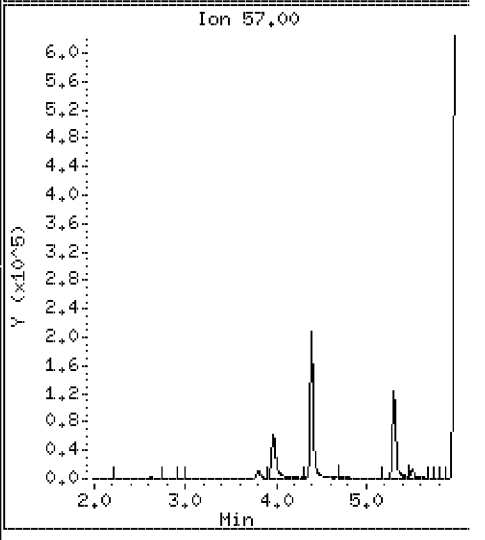












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

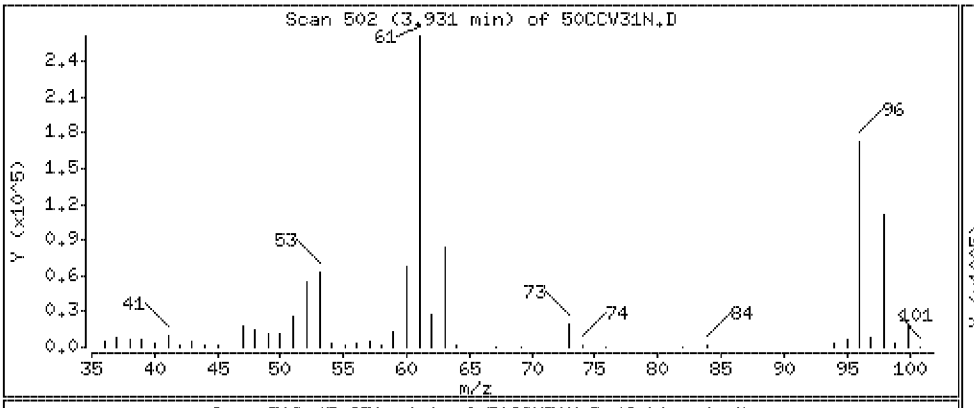
Operator:

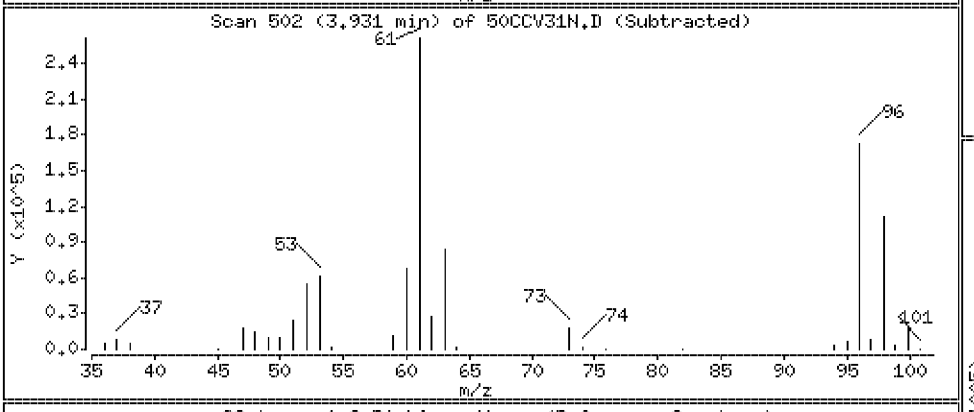
Column phase: RTX-502.2

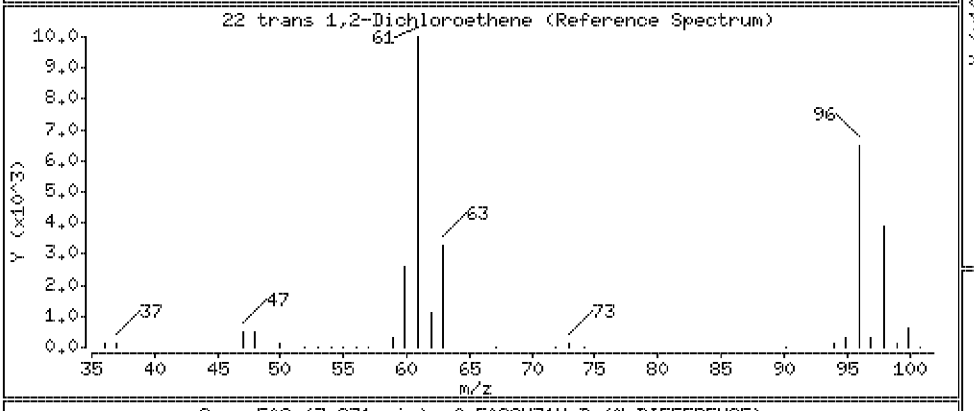
Column diameter: 0.18

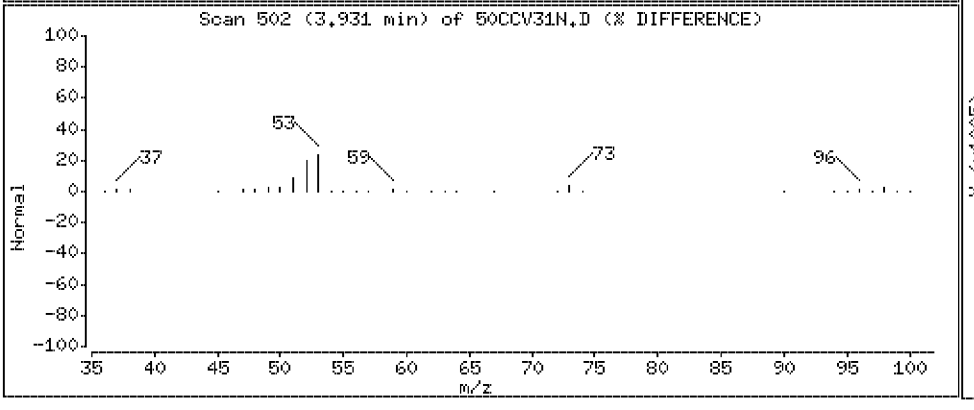
22 trans 1,2-Dichloroethene

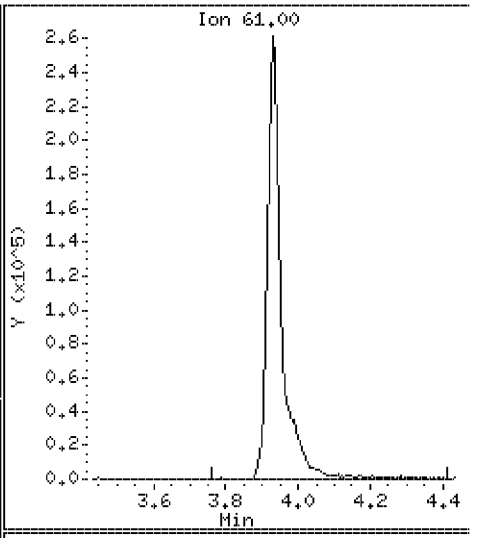
Concentration: 54.4 ug/l

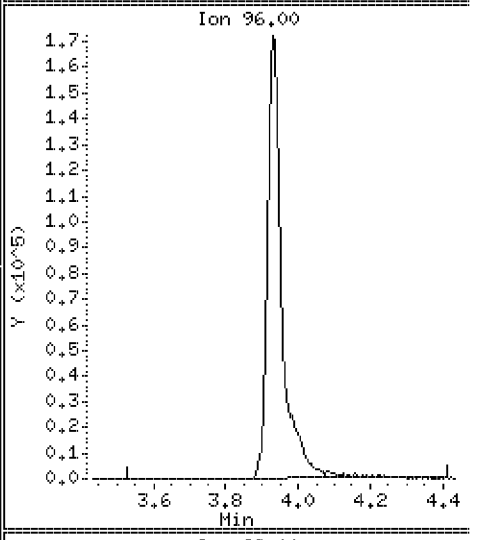


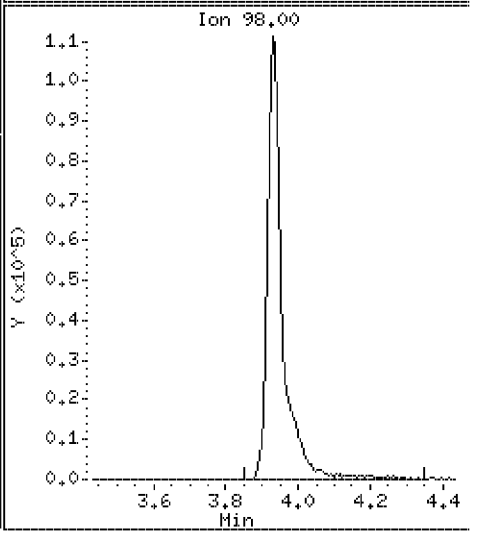












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

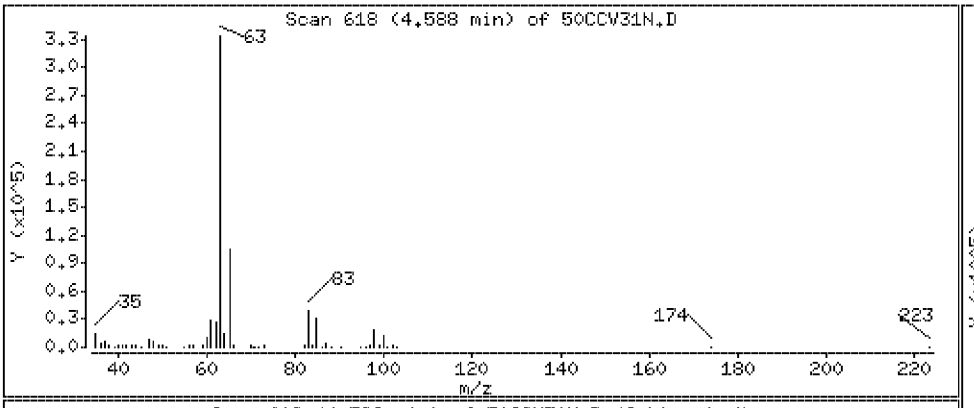
Client ID: 072710CCVA31 Instrument: vms03.i

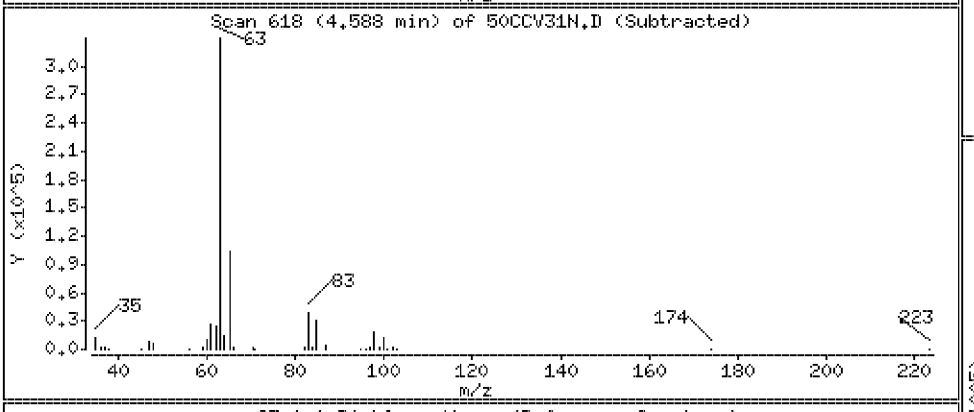
Sample Info: 072710CCVA31

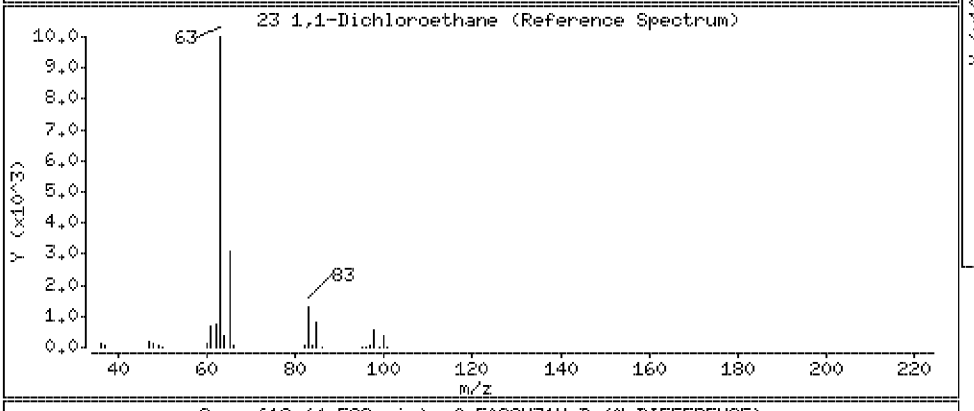
Purge Volume: 5.0 Operator:

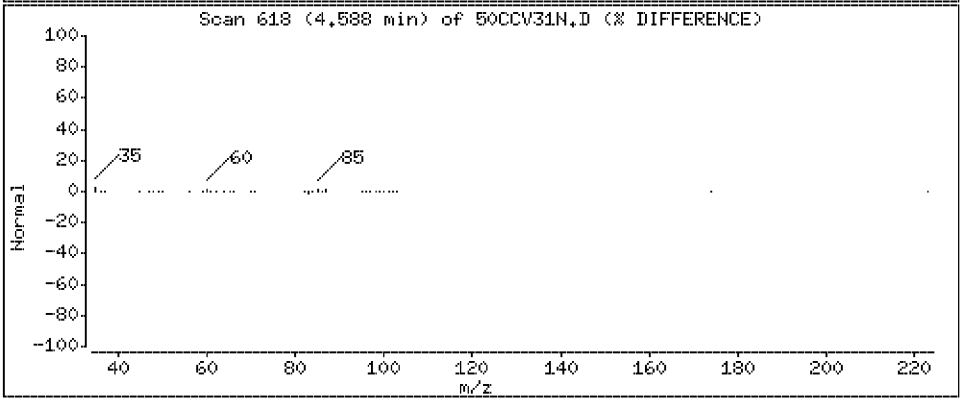
Column phase: RTX-502.2 Column diameter: 0.18

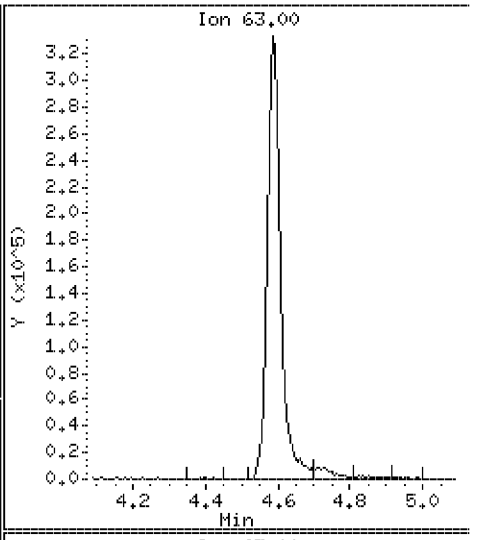
23 1,1-Dichloroethane Concentration: 52.6 ug/l

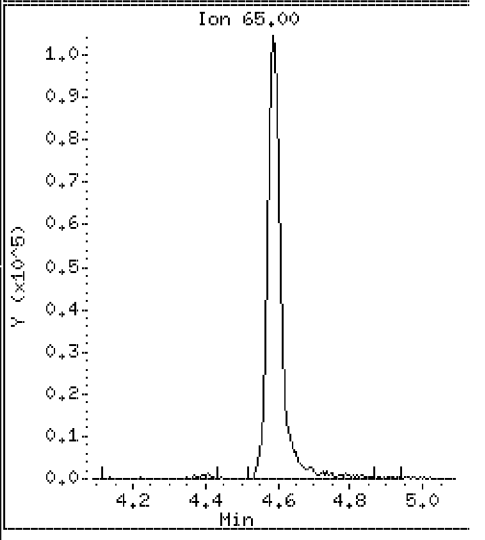












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

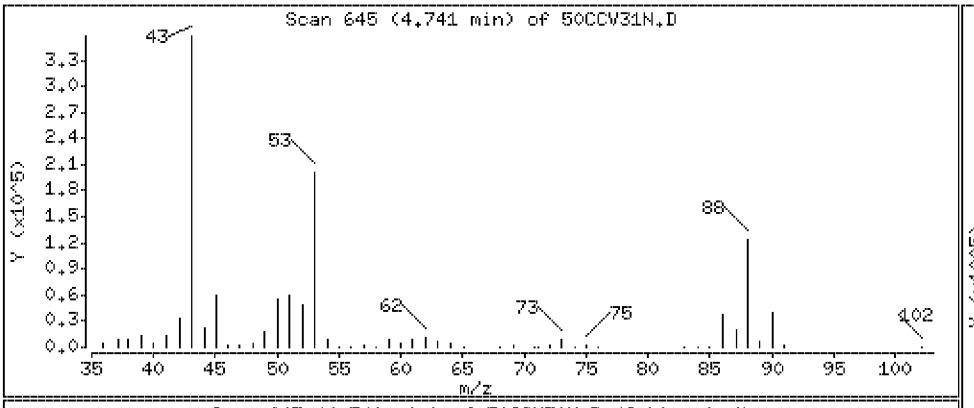
Operator:

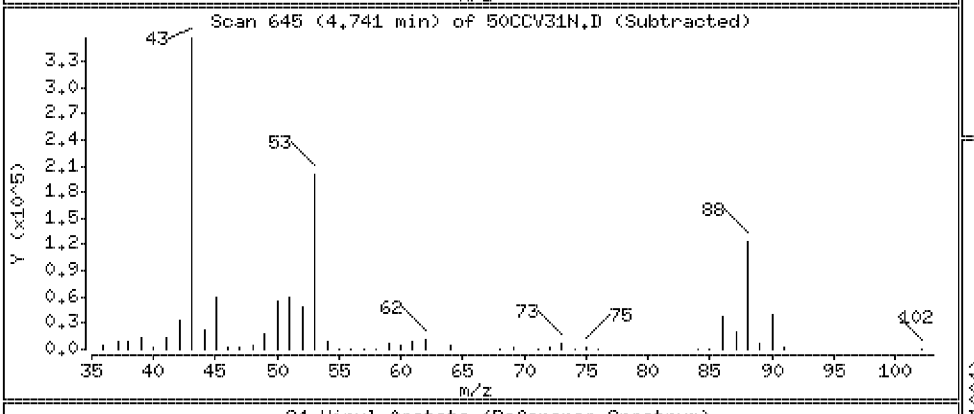
Column phase: RTX-502.2

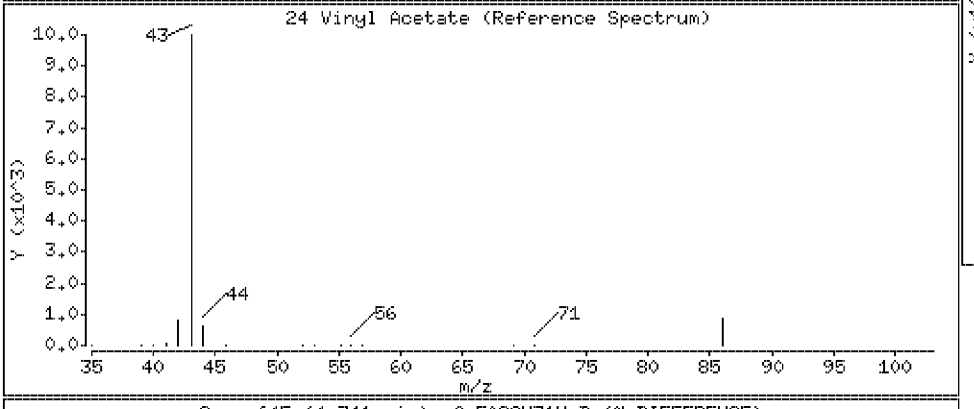
Column diameter: 0.18

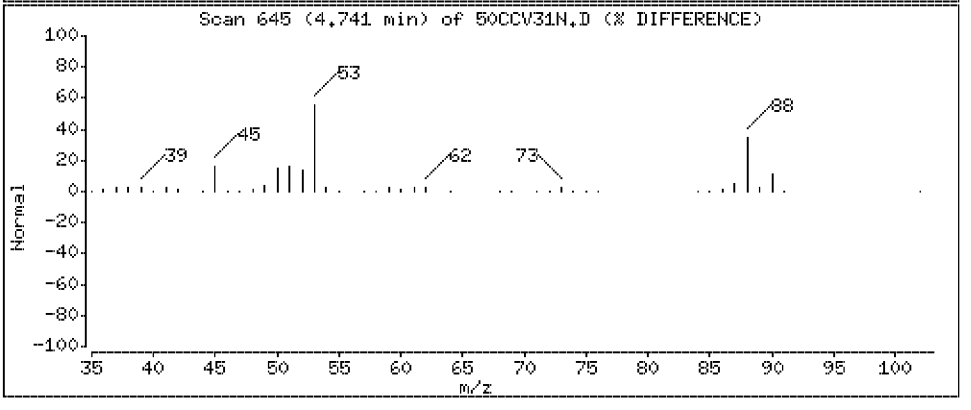
24 Vinyl Acetate

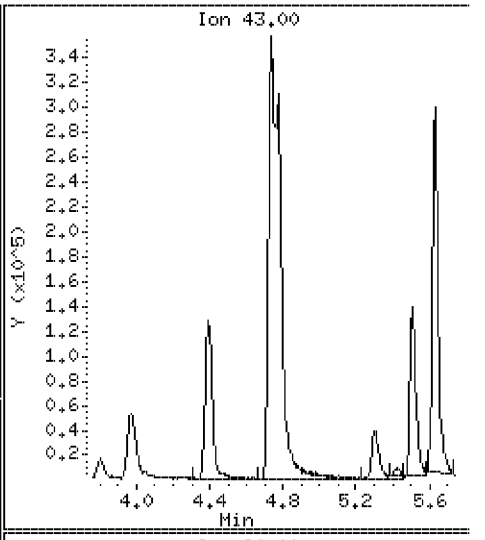
Concentration: 52.3 ug/l

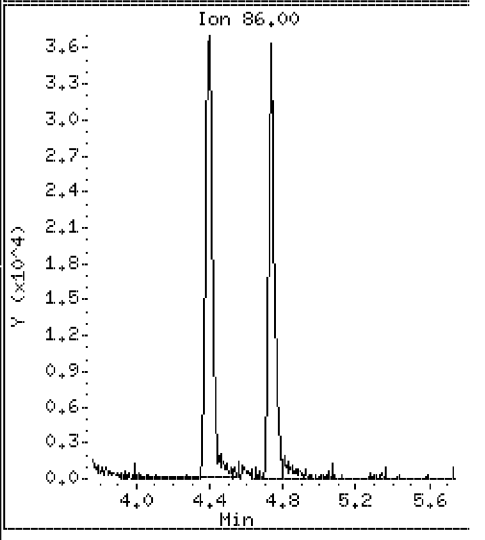












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

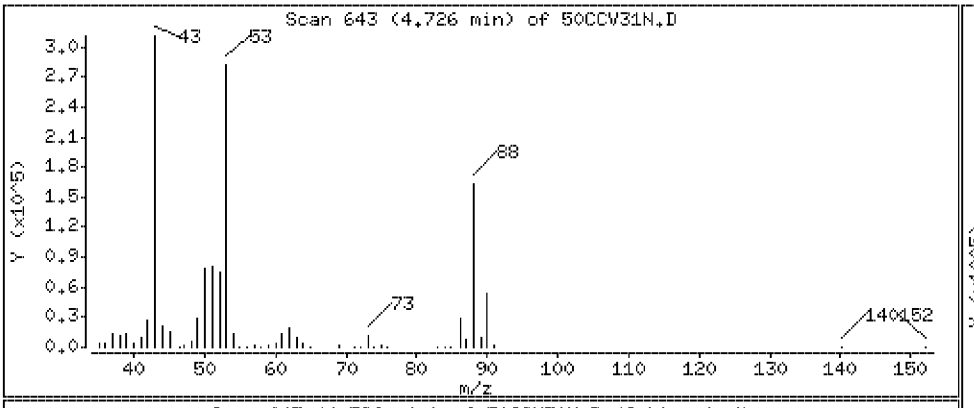
Operator:

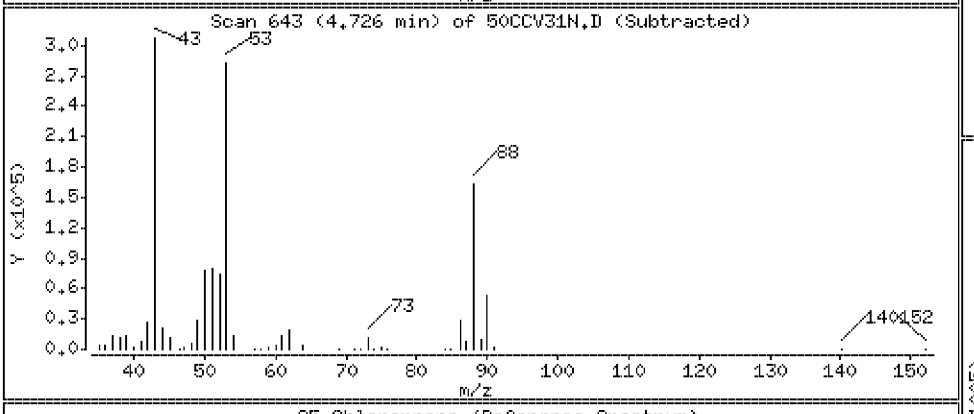
Column phase: RTX-502.2

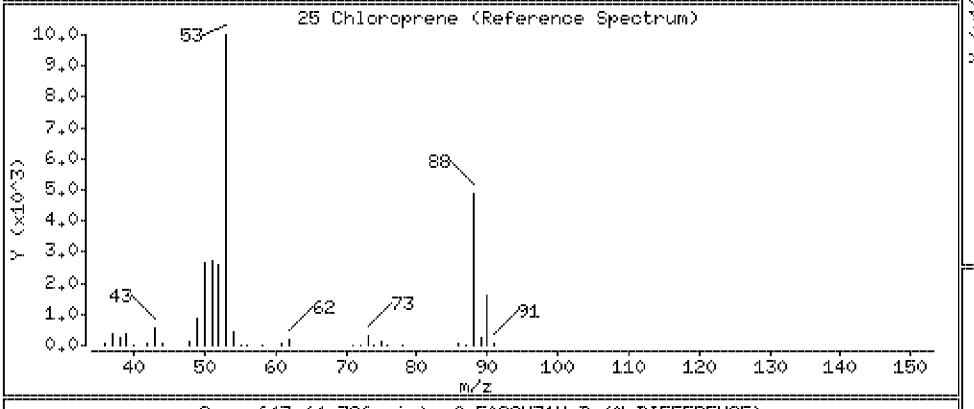
Column diameter: 0.18

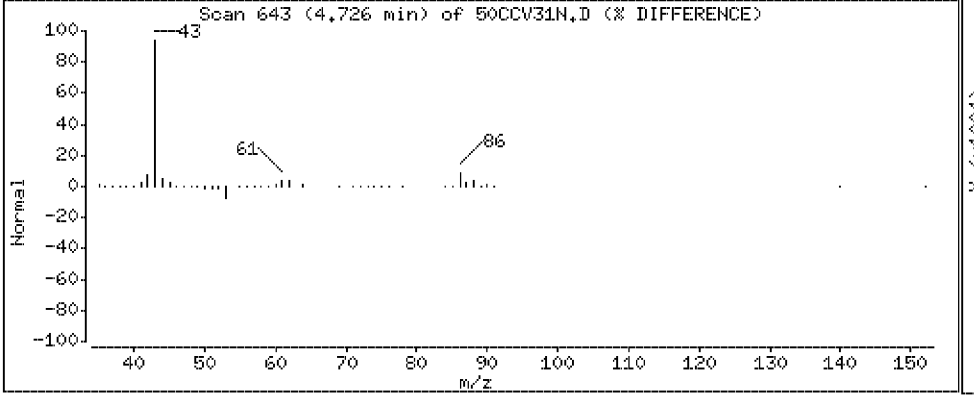
25 Chloroprene

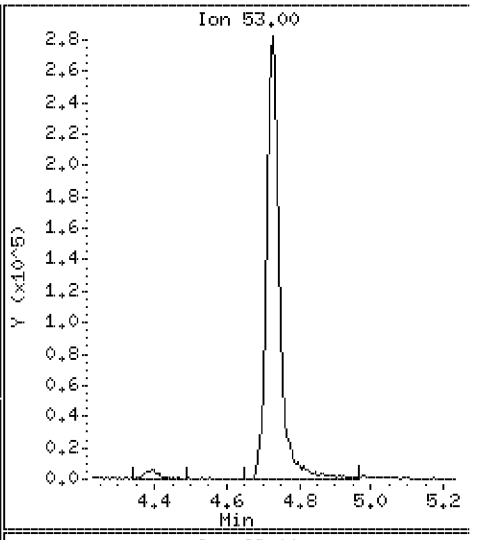
Concentration: 55.6 ug/l

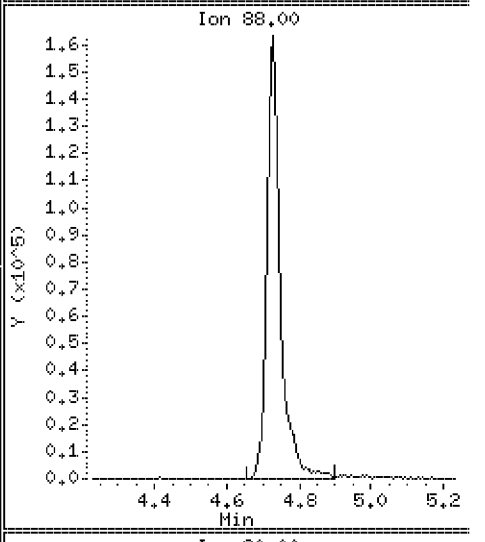


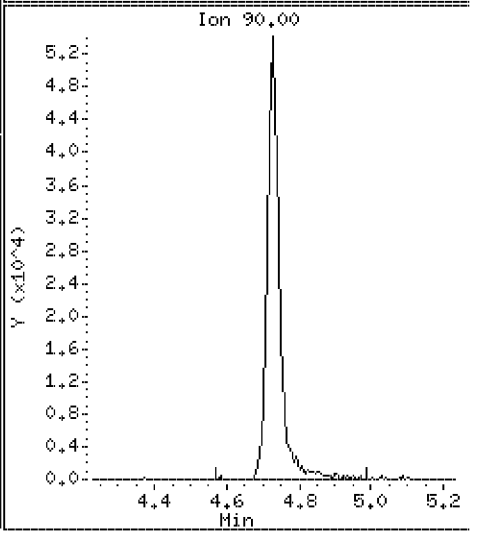












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

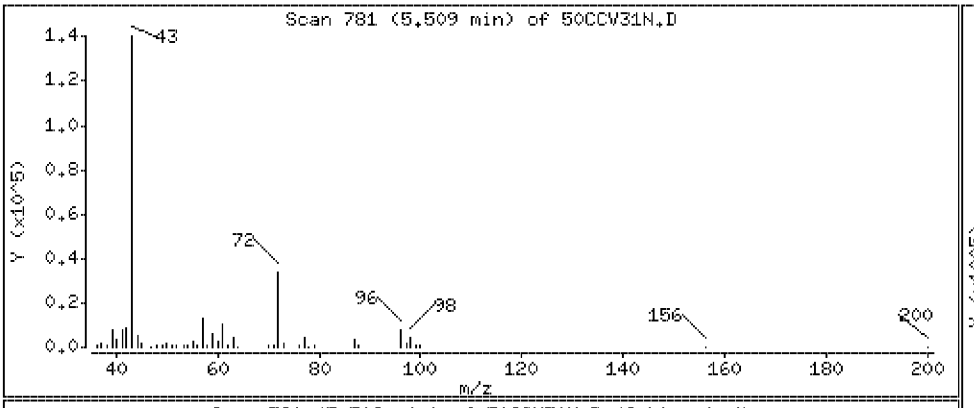
Operator:

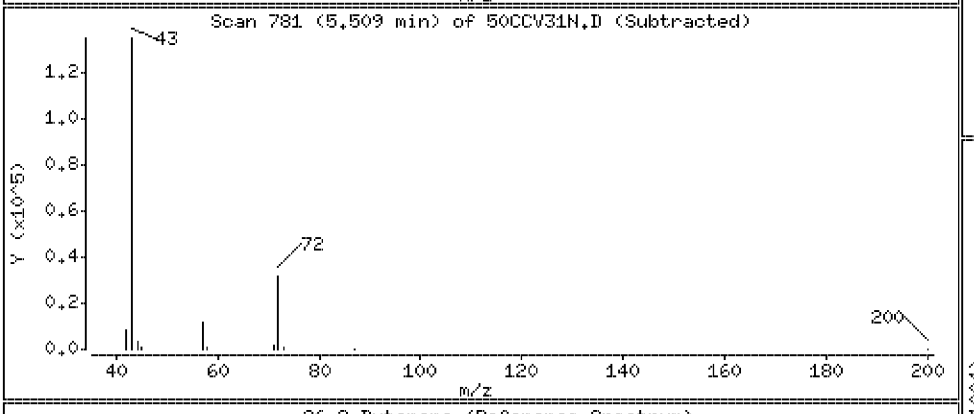
Column phase: RTX-502.2

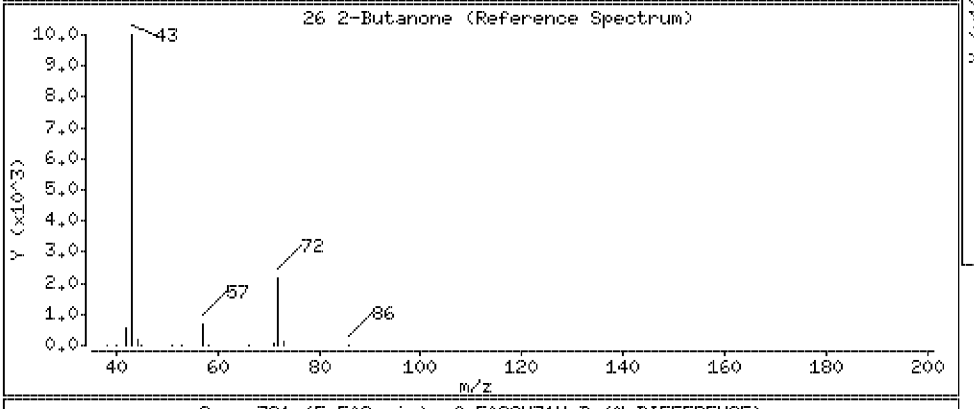
Column diameter: 0.18

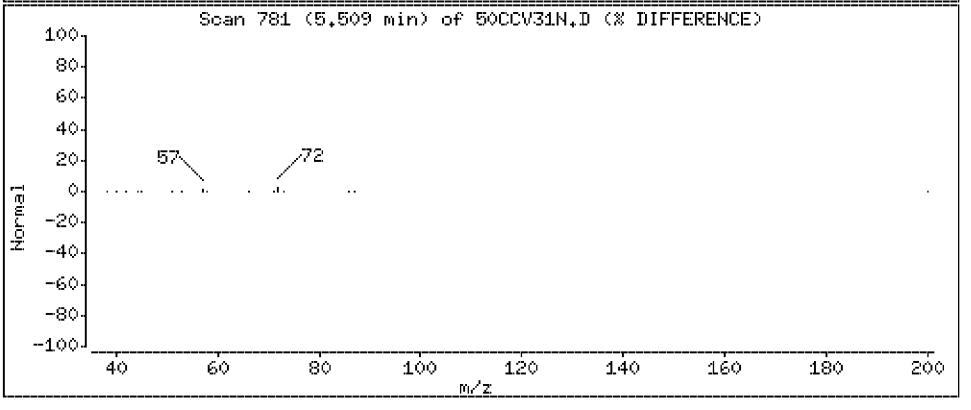
26 2-Butanone

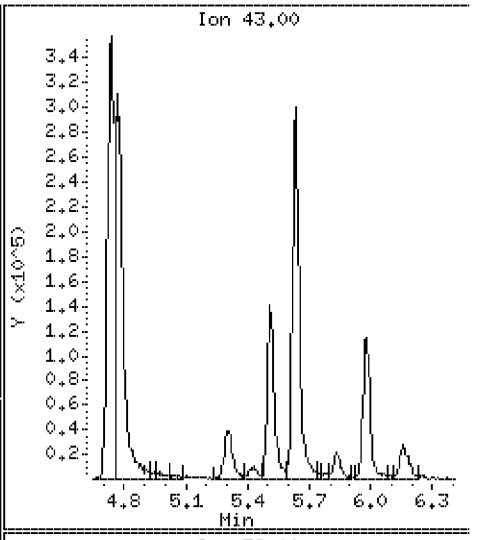
Concentration: 101 ug/l

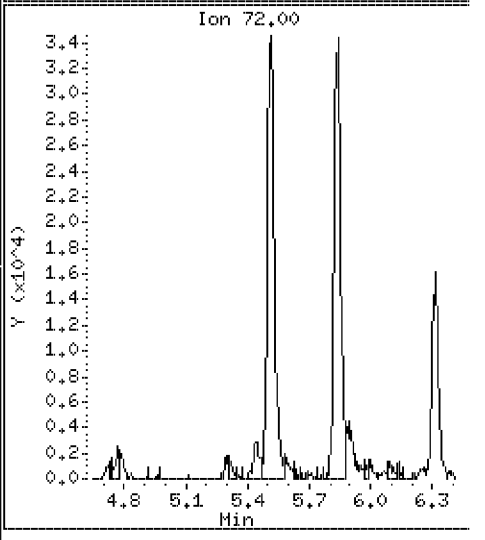












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

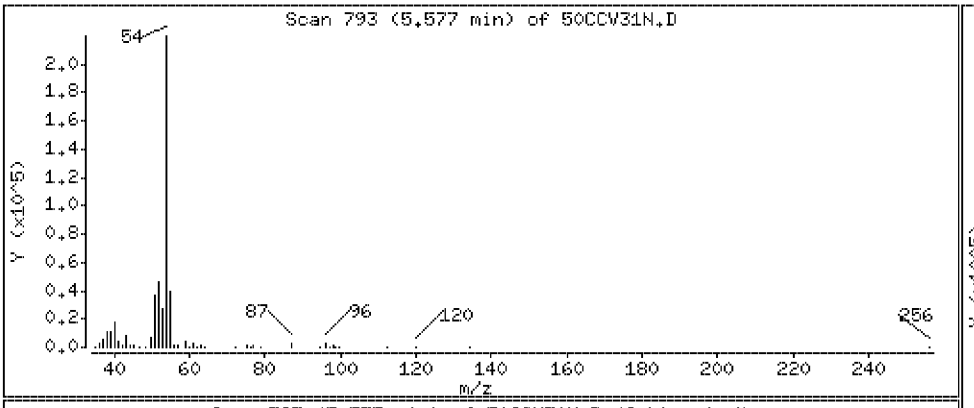
Operator:

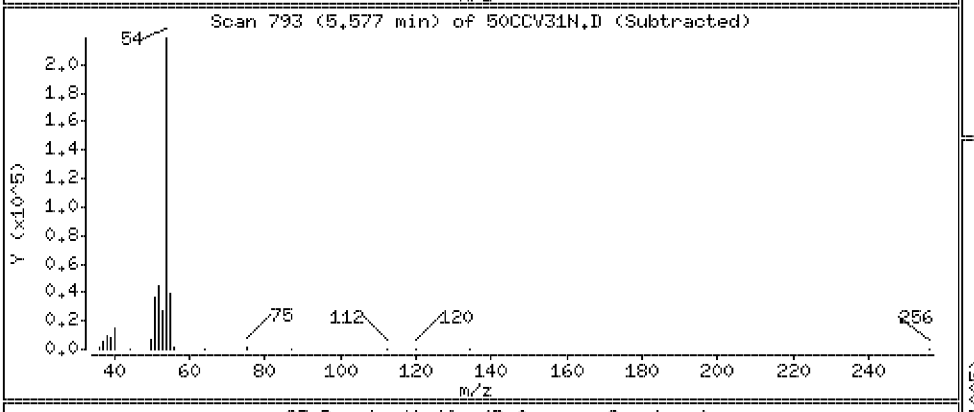
Column phase: RTX-502.2

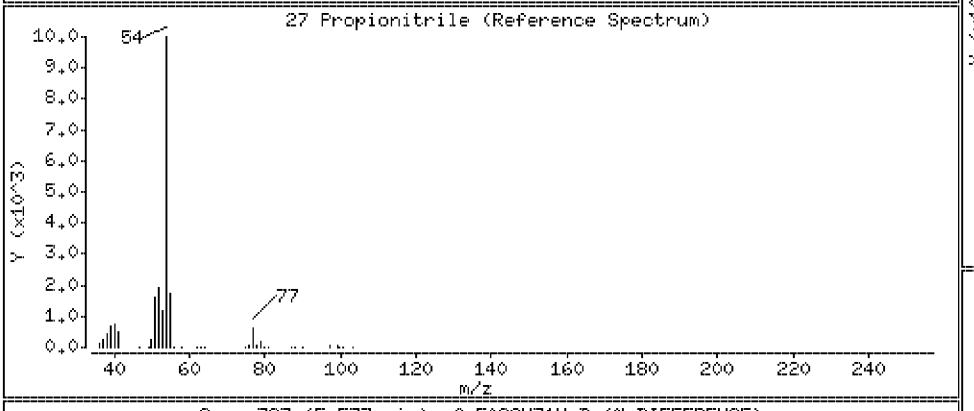
Column diameter: 0.18

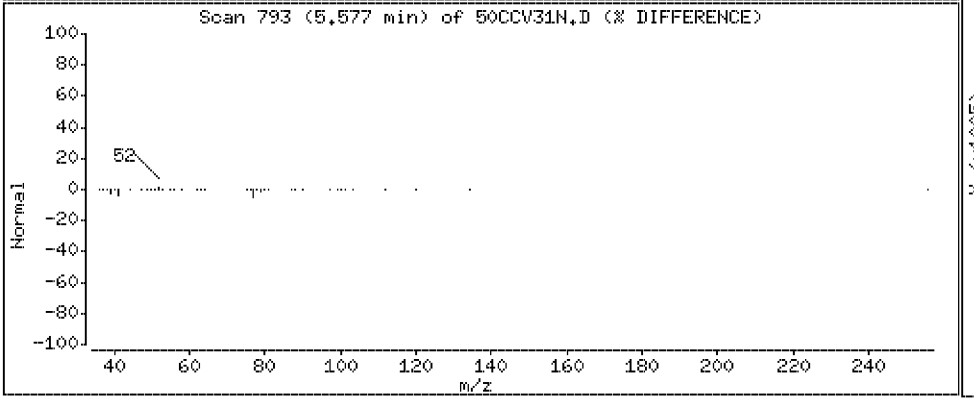
27 Propionitrile

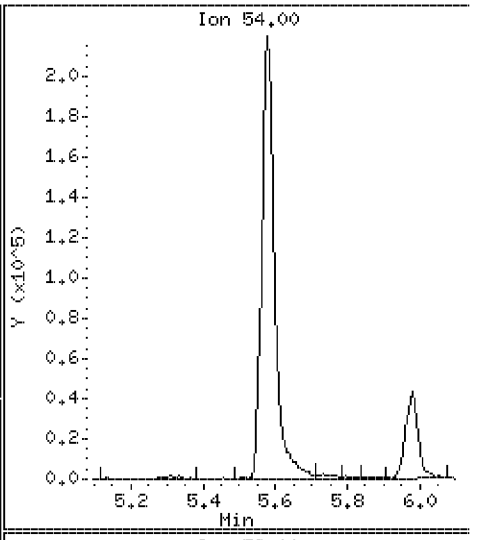
Concentration: 485 ug/l

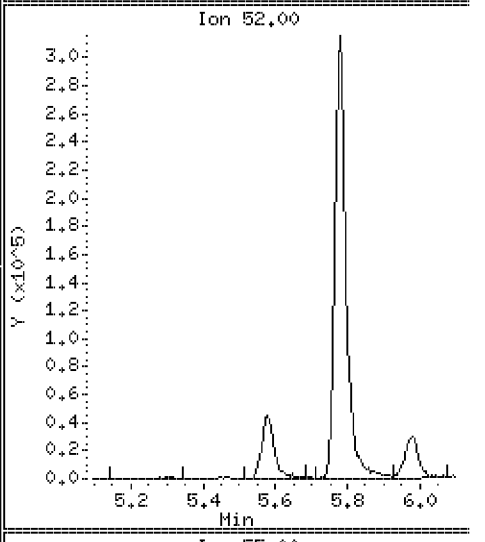


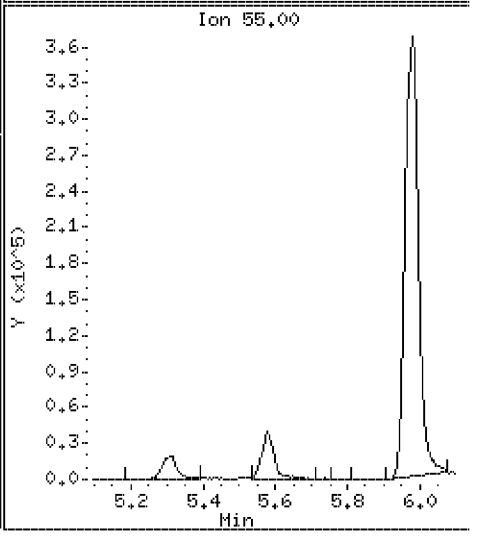












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

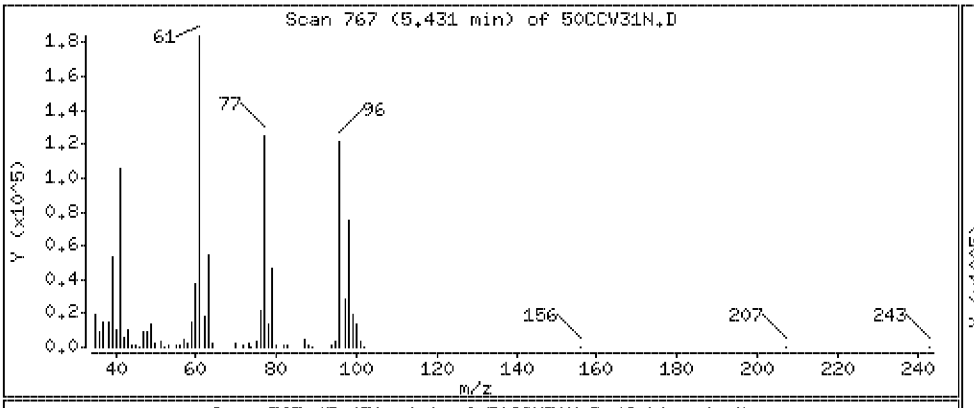
Client ID: 072710CCVA31 Instrument: vms03.i

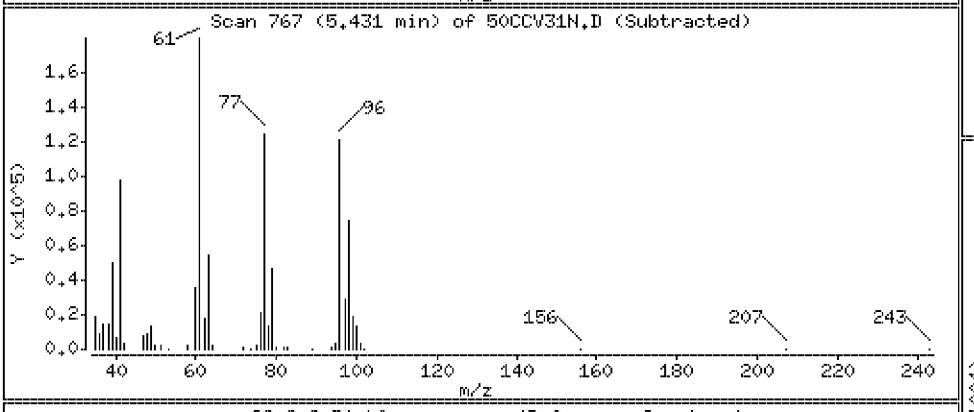
Sample Info: 072710CCVA31

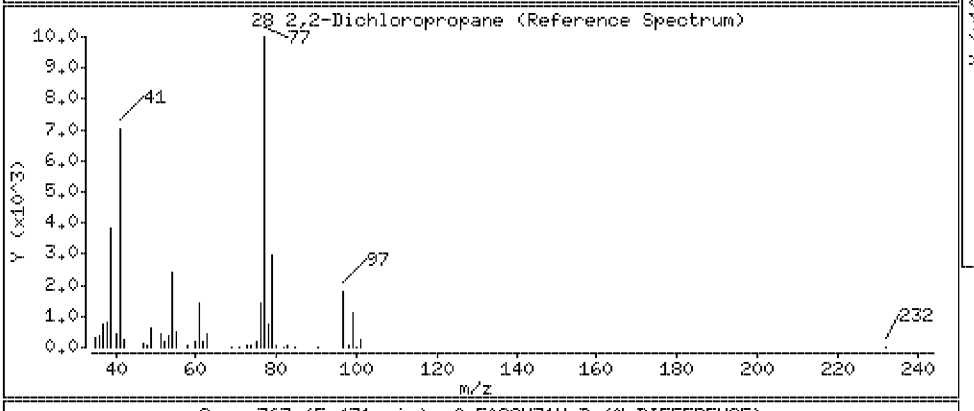
Purge Volume: 5.0 Operator:

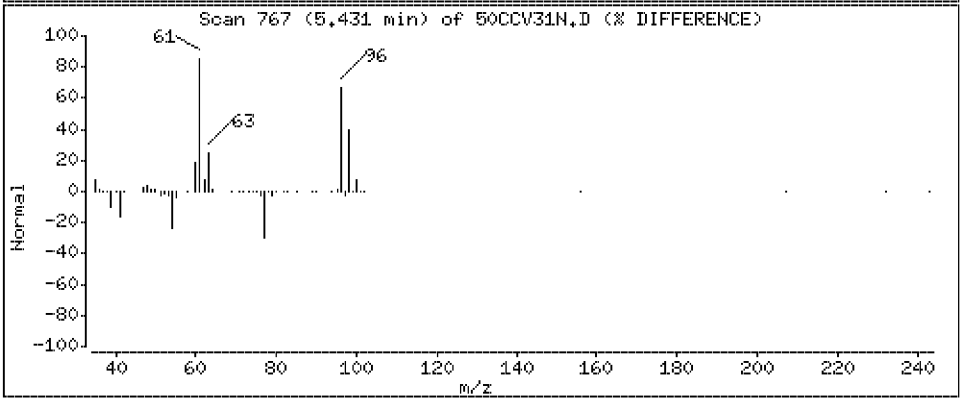
Column phase: RTX-502.2 Column diameter: 0.18

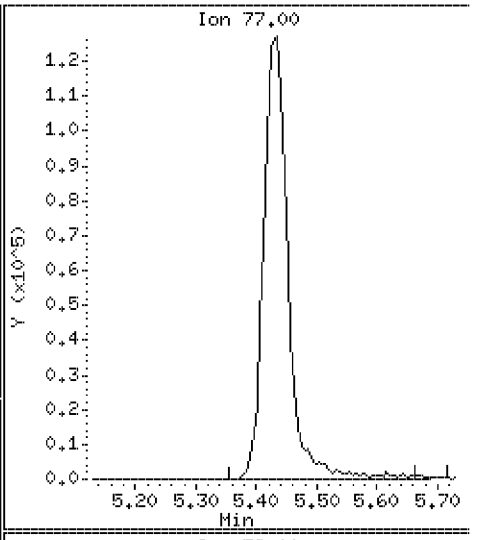
28 2,2-Dichloropropane Concentration: 54.0 ug/l

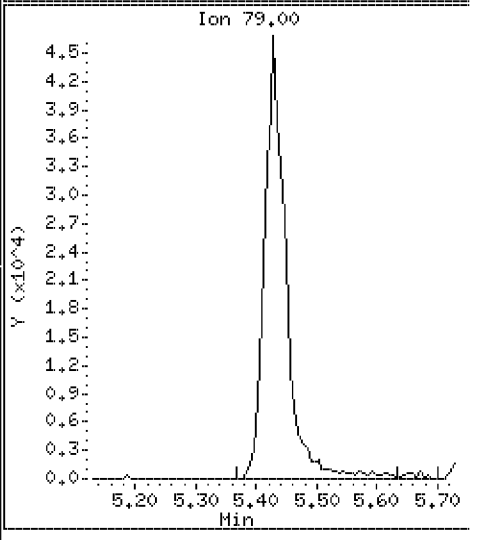












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

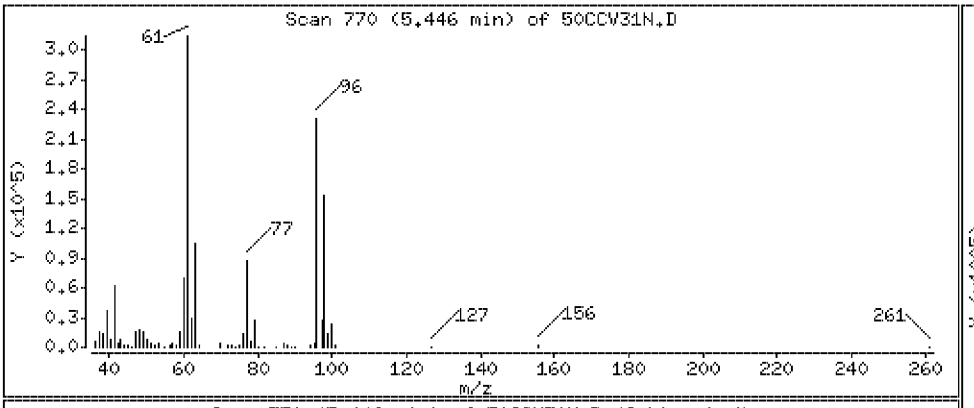
Operator:

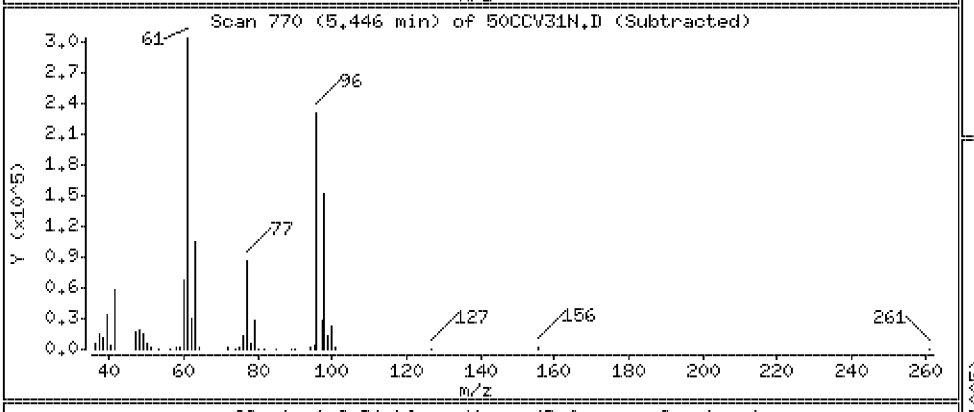
Column phase: RTX-502.2

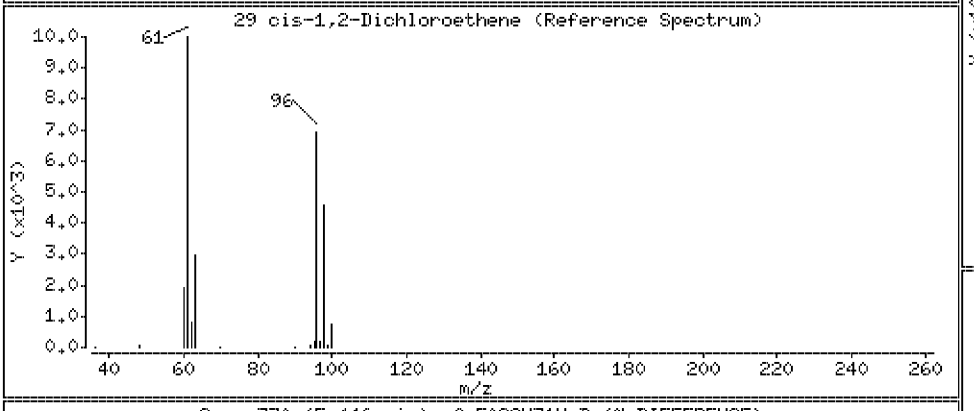
Column diameter: 0.18

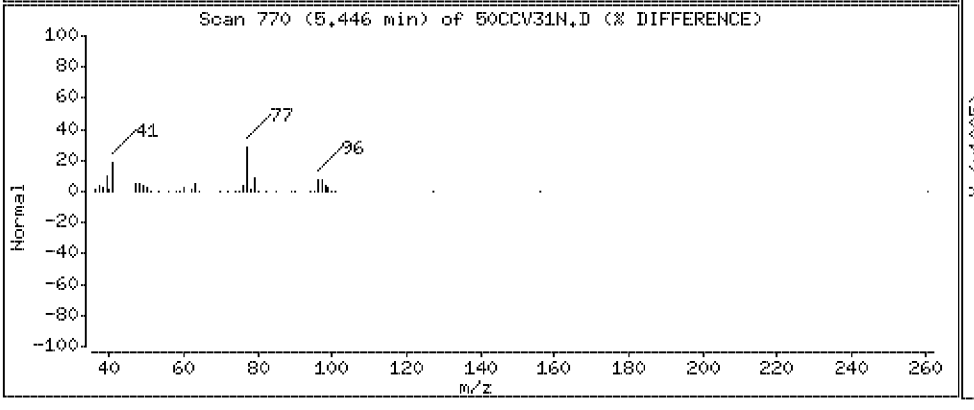
29 cis-1,2-Dichloroethene

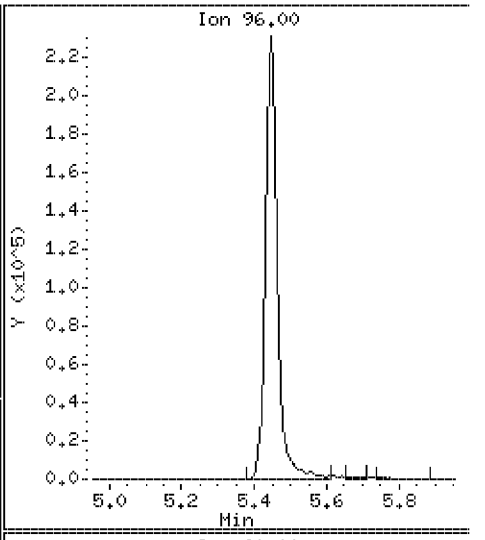
Concentration: 55.0 ug/l

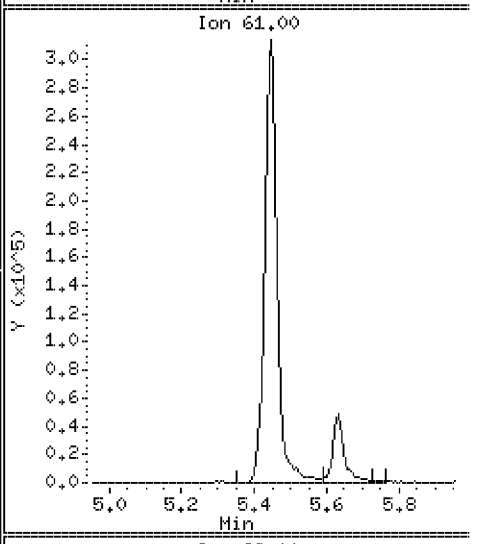


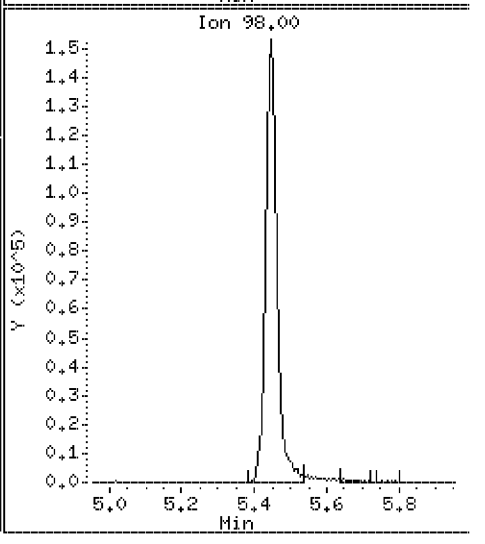












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

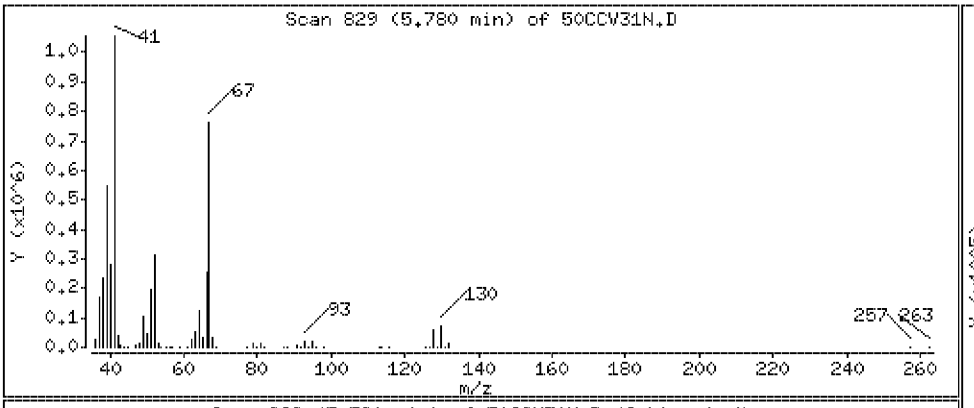
Client ID: 072710CCVA31 Instrument: vms03.i

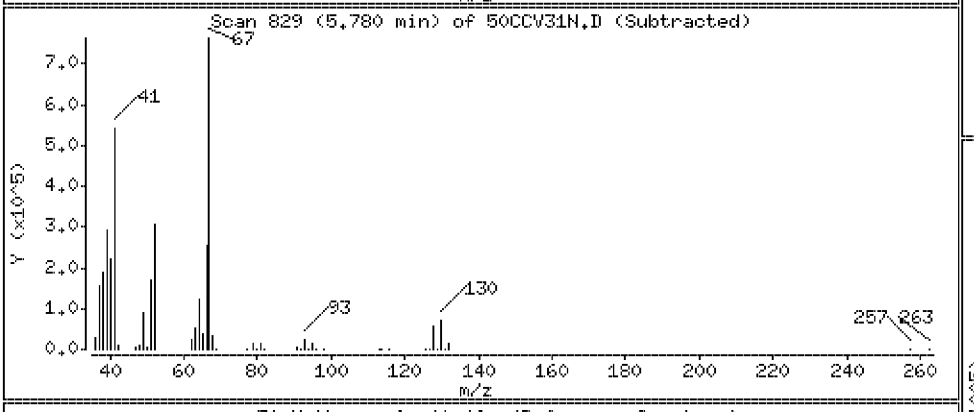
Sample Info: 072710CCVA31

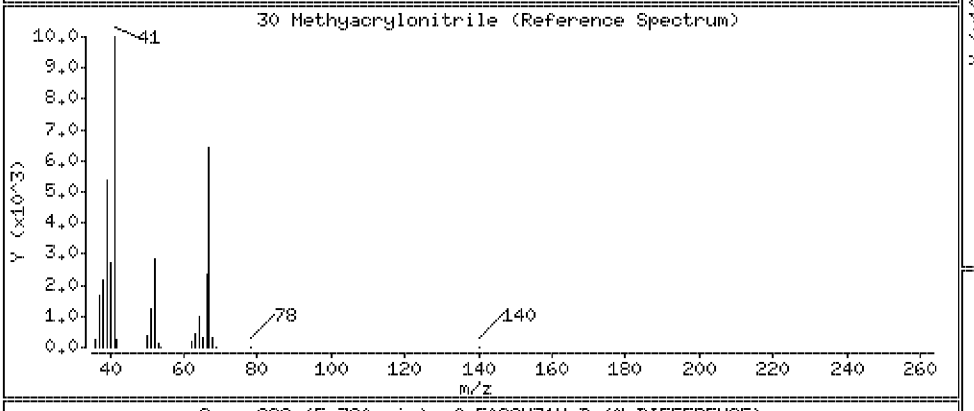
Purge Volume: 5.0 Operator:

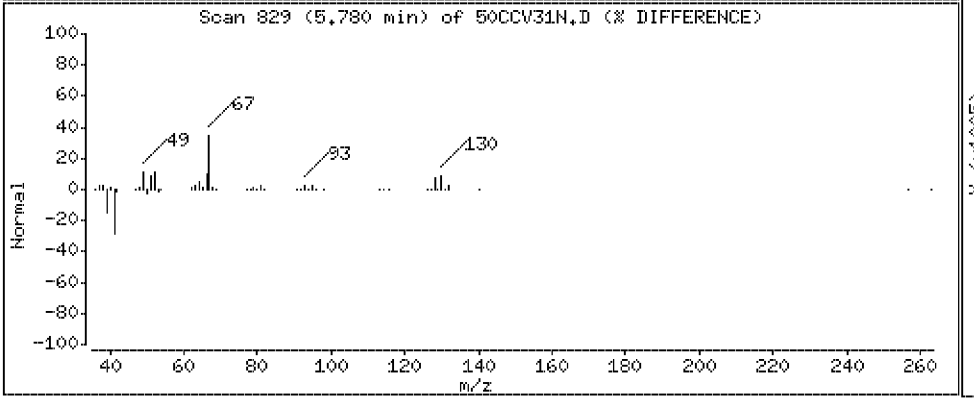
Column phase: RTX-502.2 Column diameter: 0.18

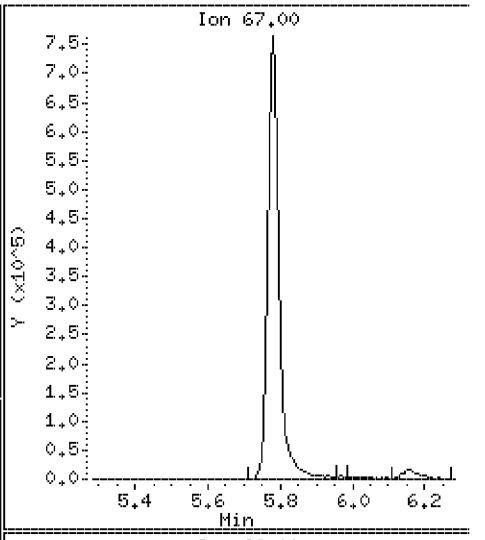
30 Methyacrylonitrile Concentration: 517 ug/l

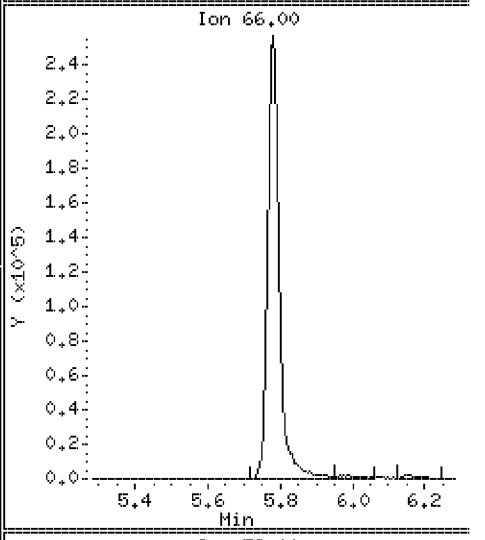


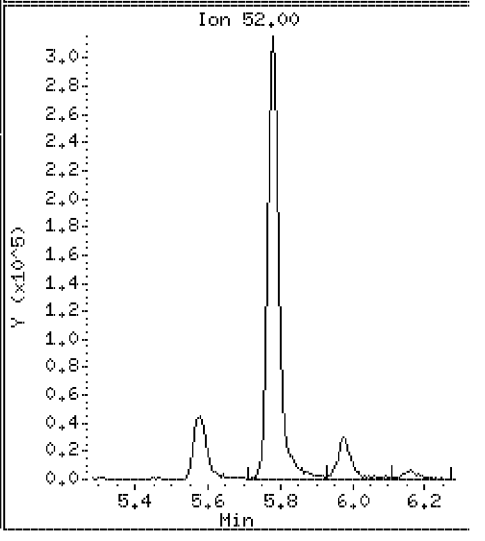












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

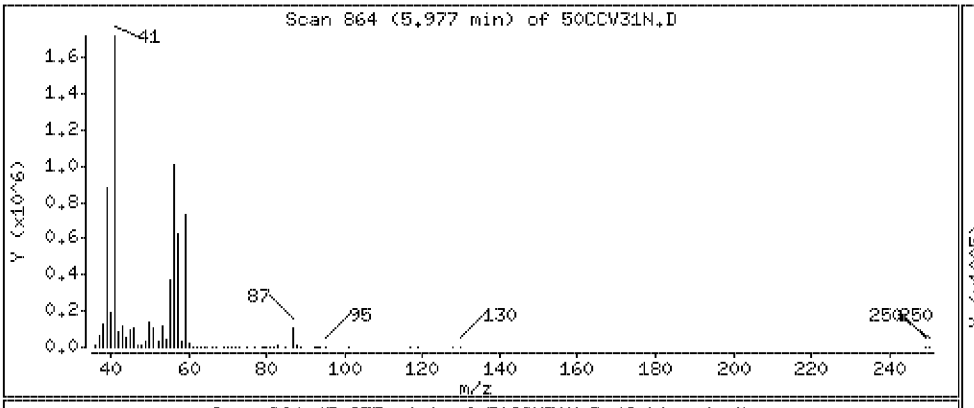
Client ID: 072710CCVA31 Instrument: vms03.i

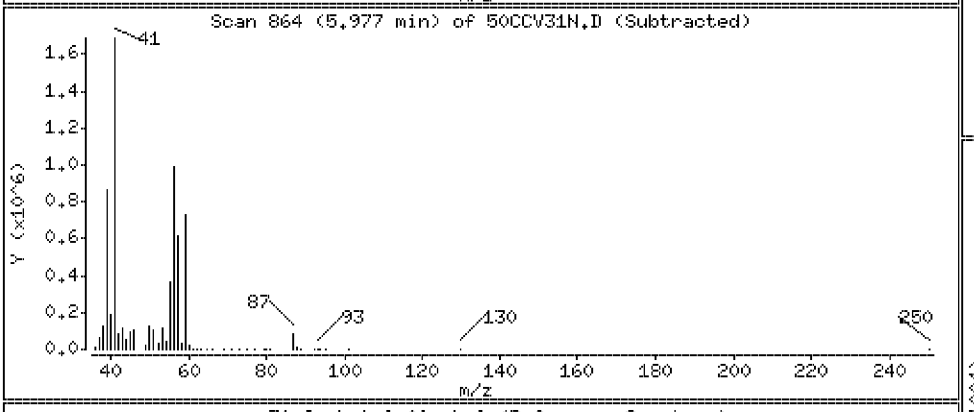
Sample Info: 072710CCVA31

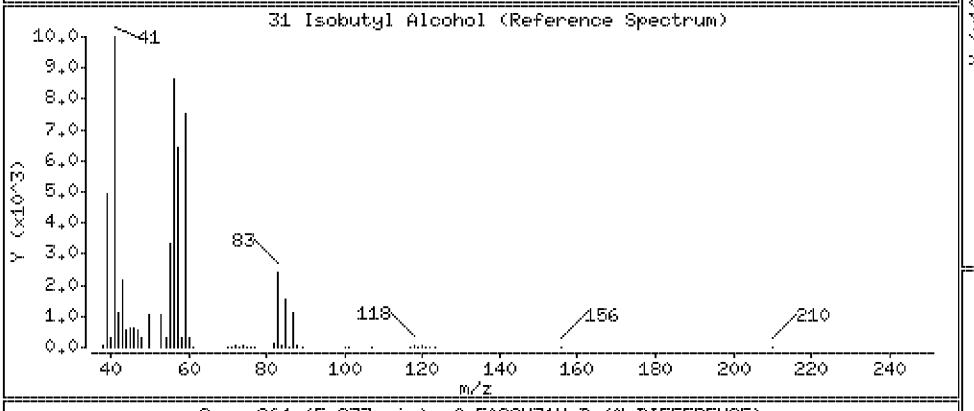
Purge Volume: 5.0 Operator:

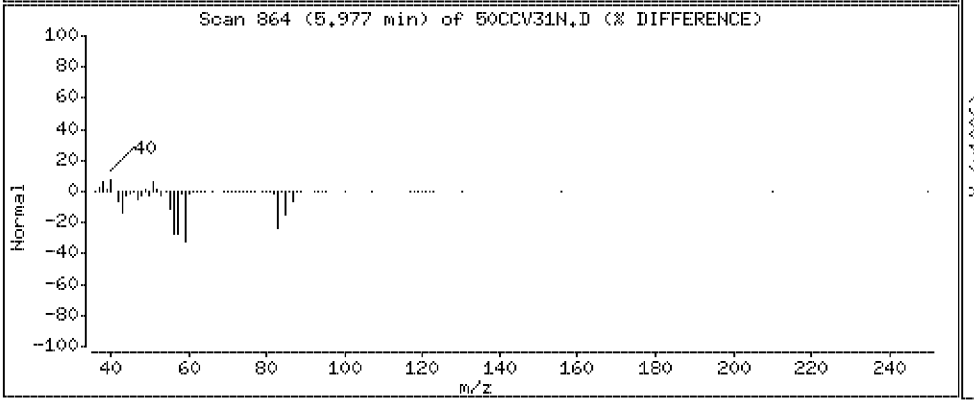
Column phase: RTX-502.2 Column diameter: 0.18

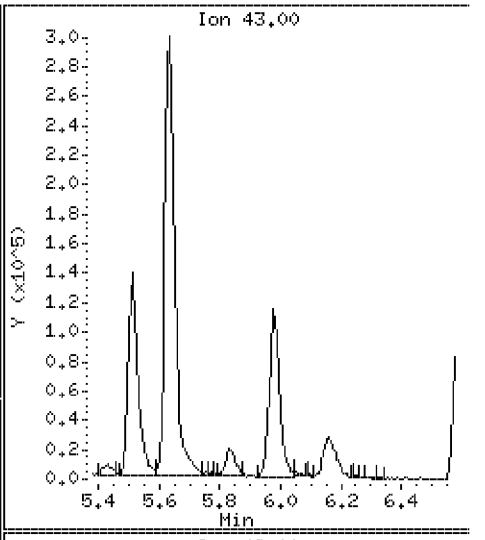
31 Isobutyl Alcohol Concentration: 911 ug/l

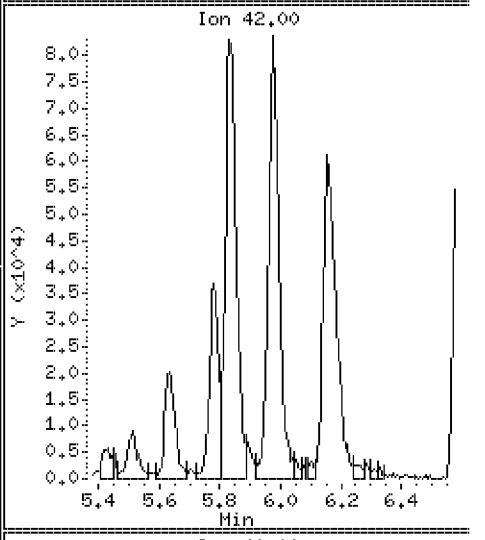


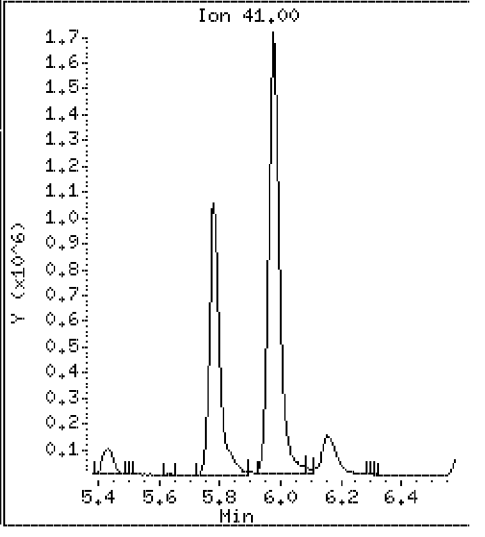












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

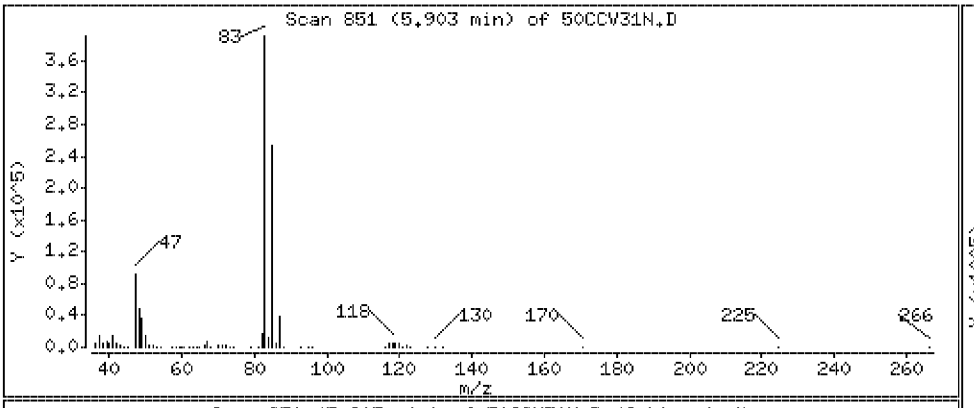
Operator:

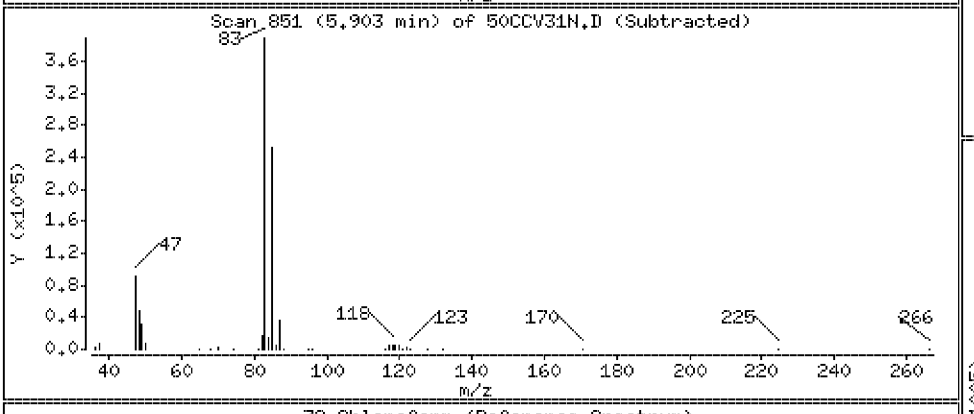
Column phase: RTX-502.2

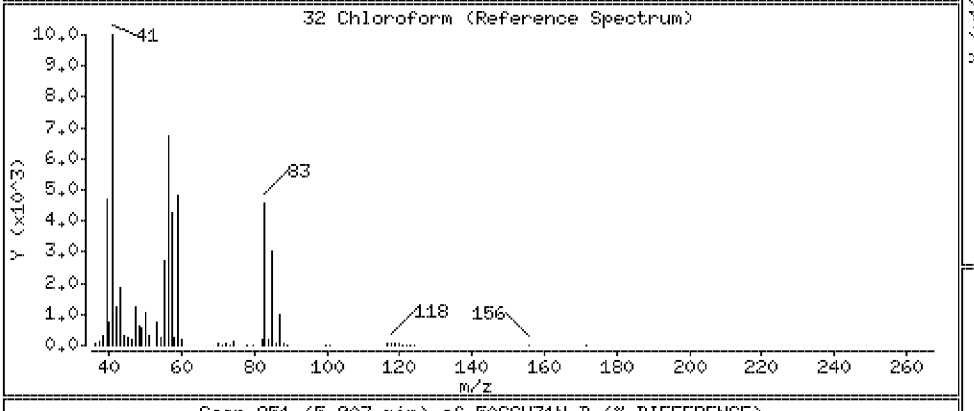
Column diameter: 0.18

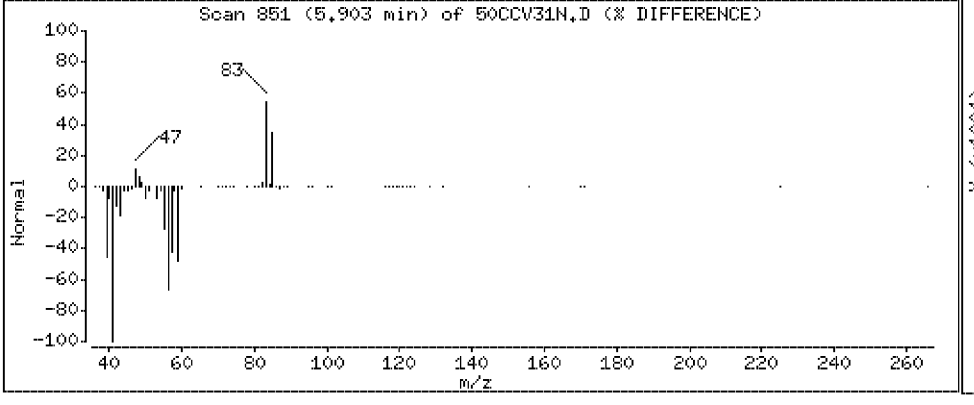
32 Chloroform

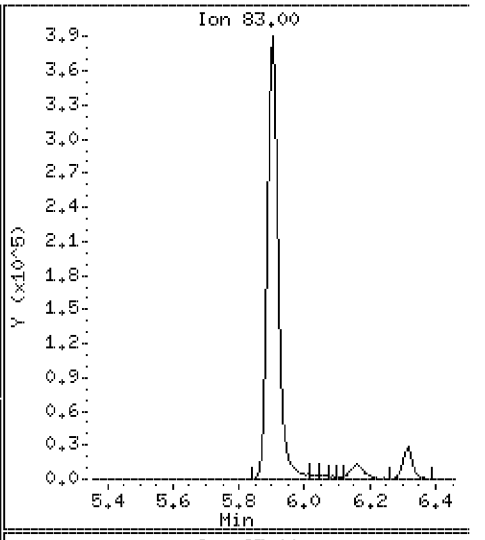
Concentration: 51.0 ug/l

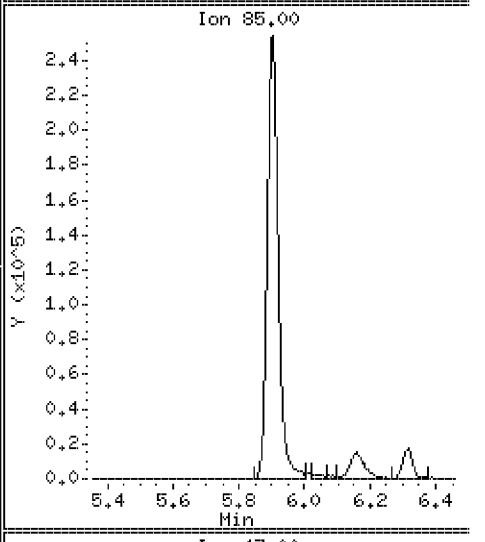


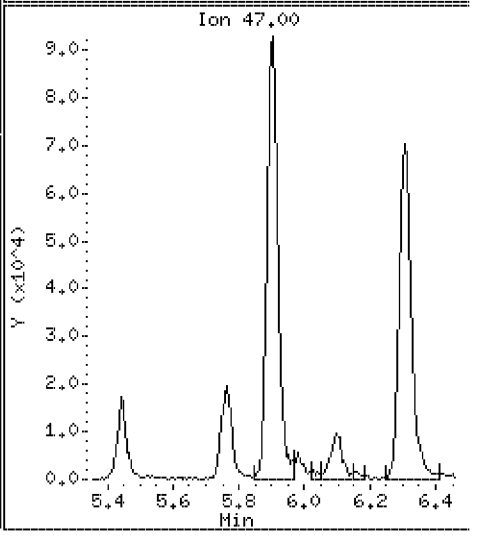












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

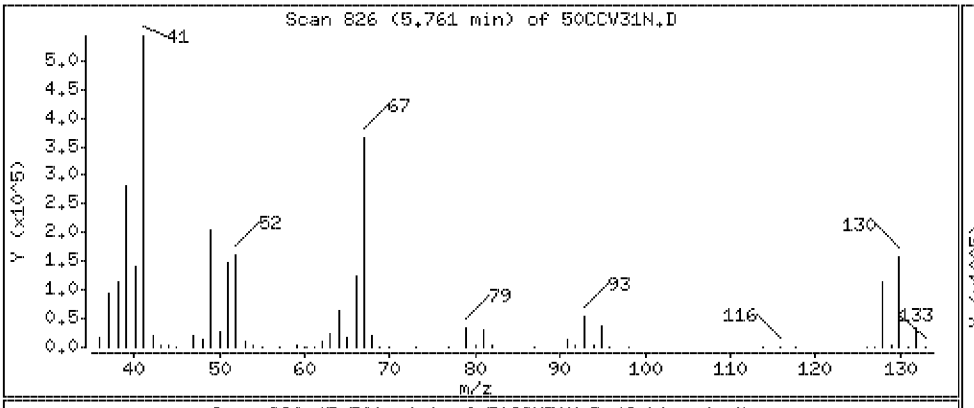
Operator:

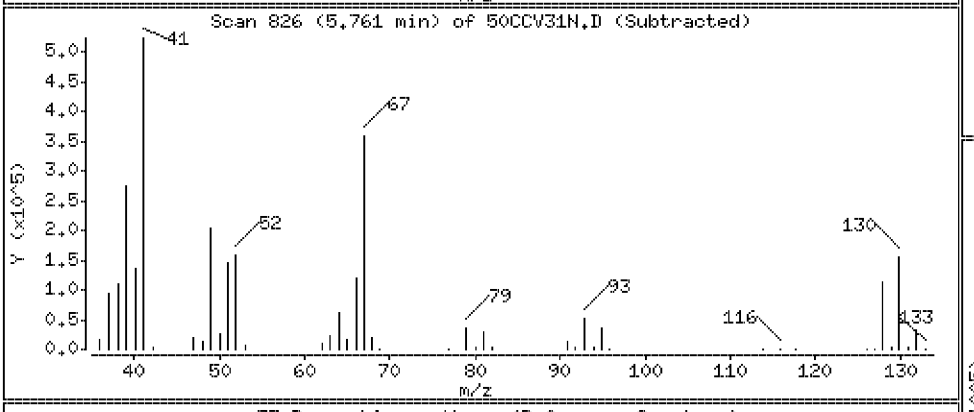
Column phase: RTX-502.2

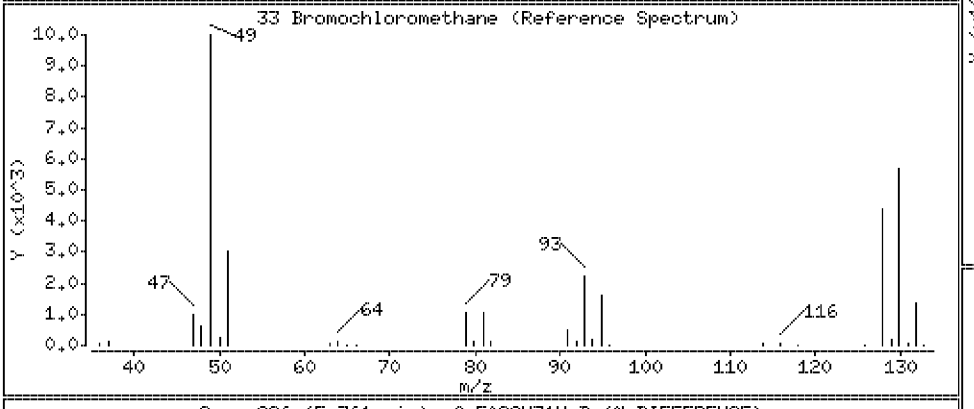
Column diameter: 0.18

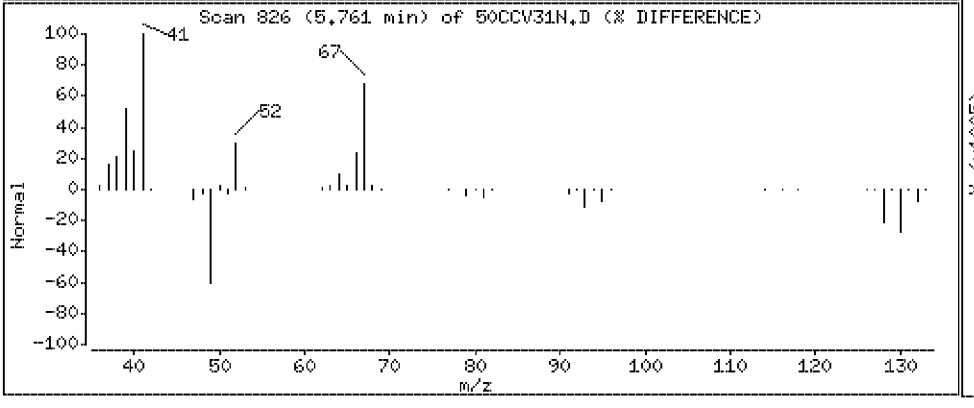
33 Bromochloromethane

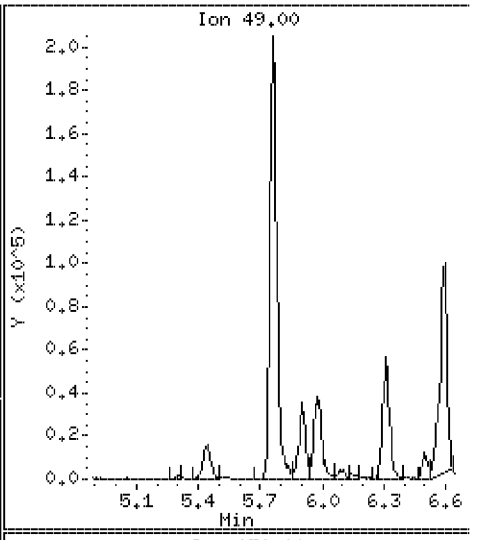
Concentration: 50.6 ug/l

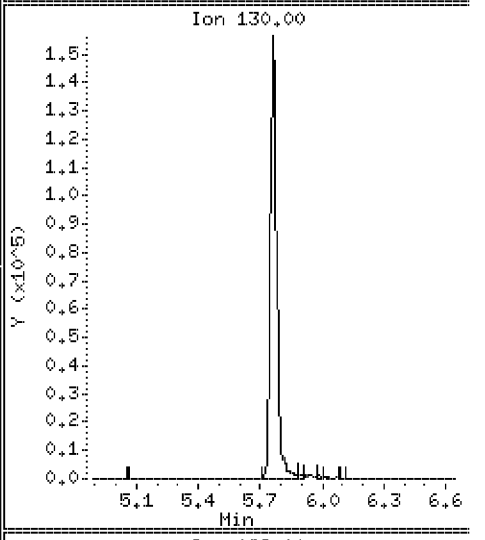


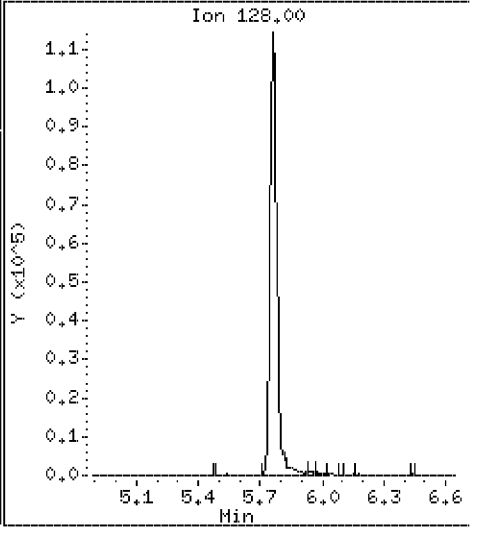












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

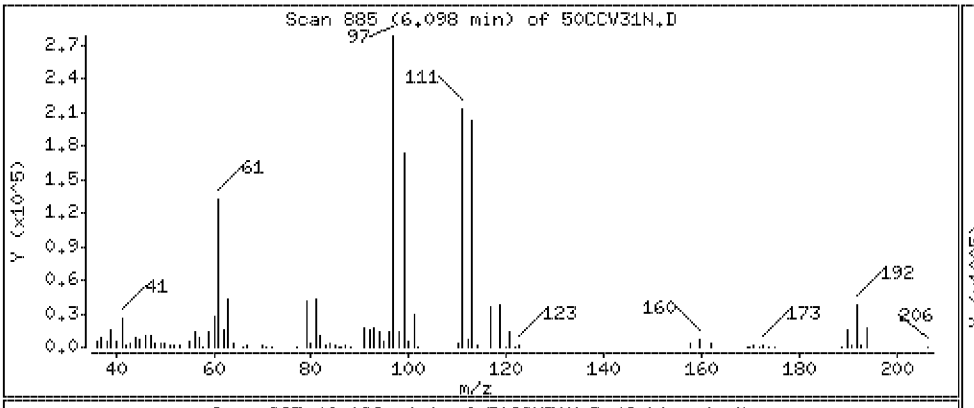
Operator:

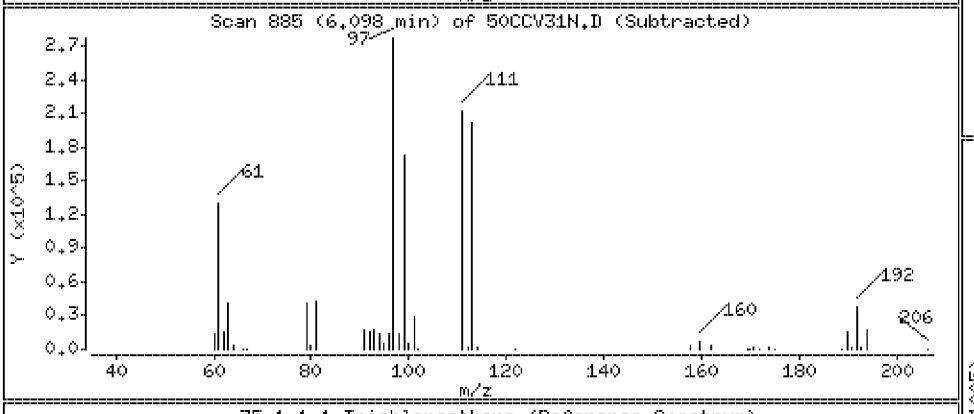
Column phase: RTX-502.2

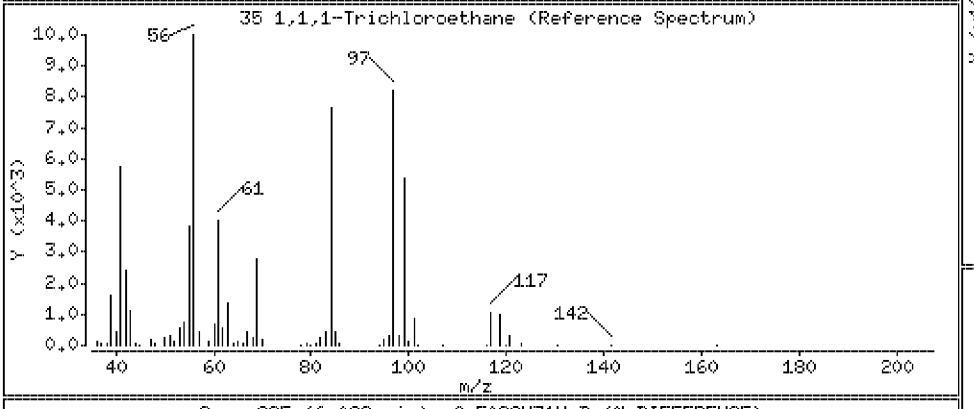
Column diameter: 0.18

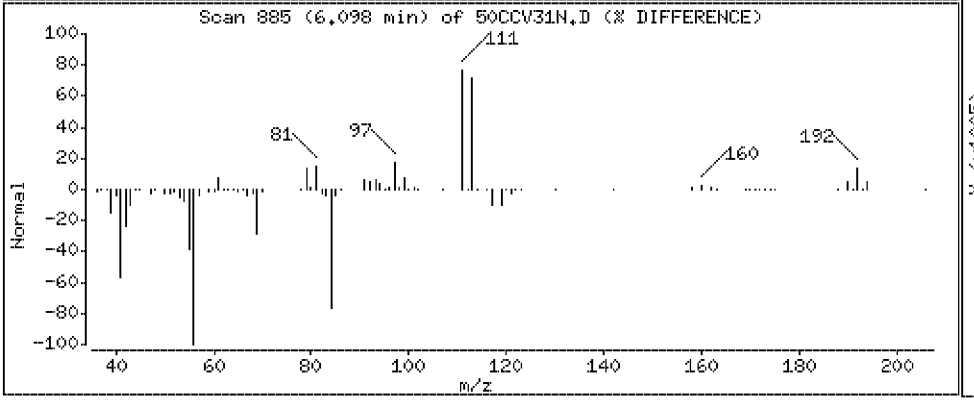
35 1,1,1-Trichloroethane

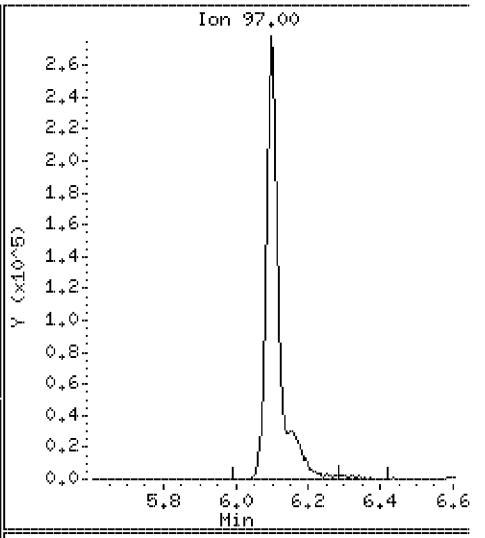
Concentration: 56.1 ug/l

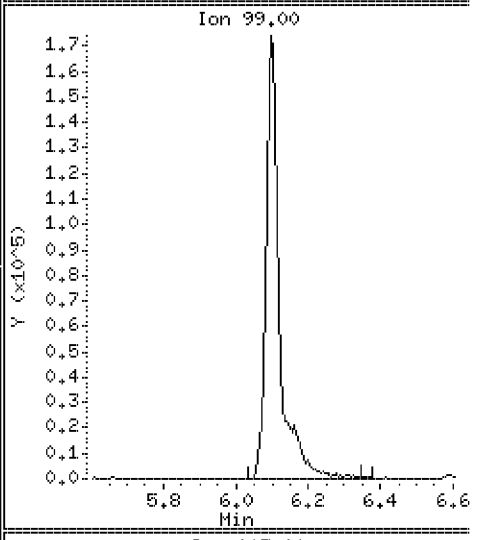


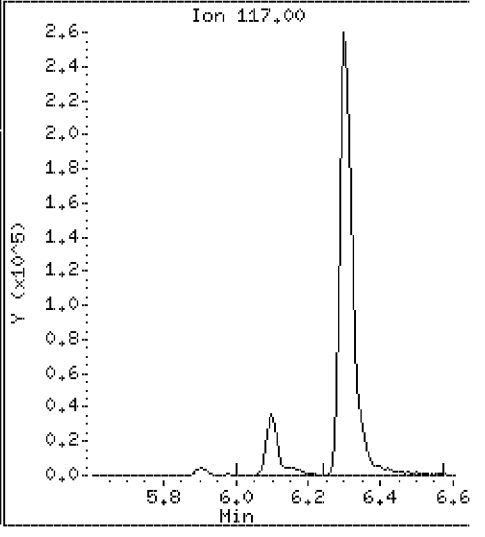












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

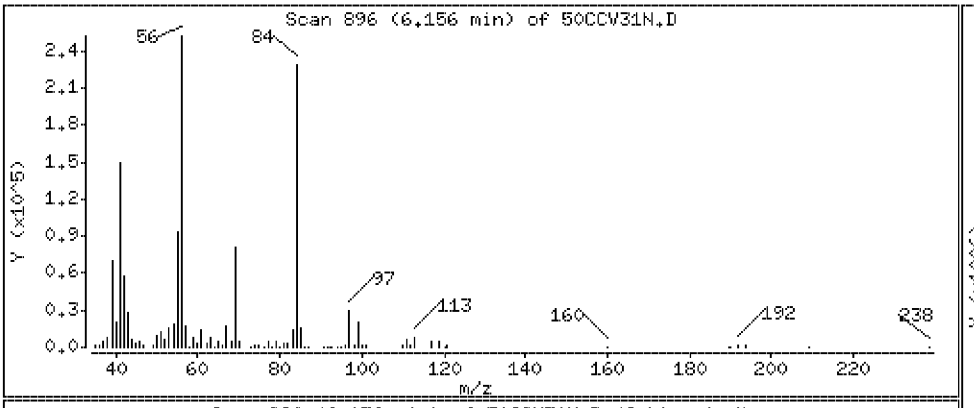
Client ID: 072710CCVA31 Instrument: vms03.i

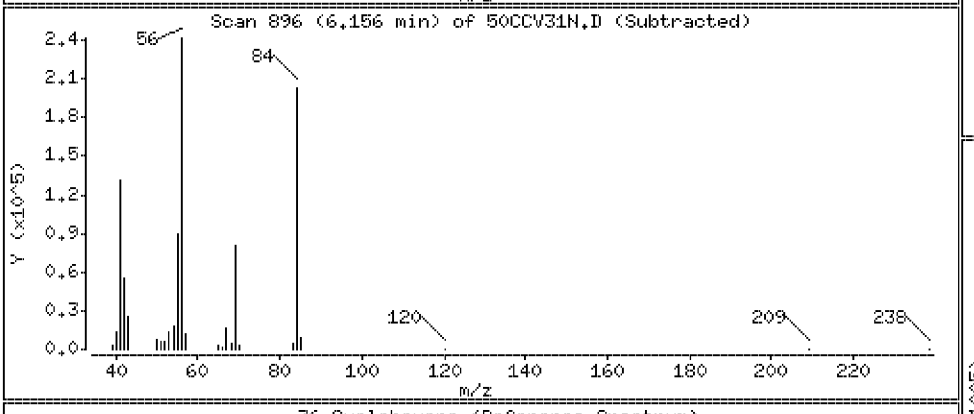
Sample Info: 072710CCVA31

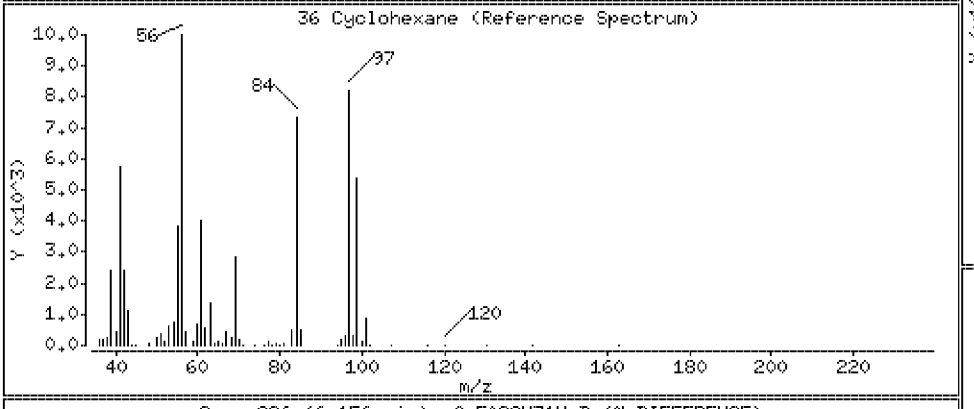
Purge Volume: 5.0 Operator:

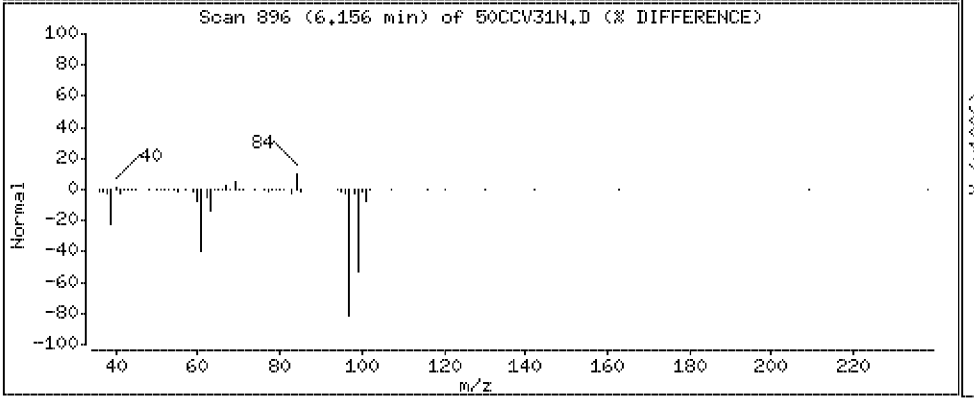
Column phase: RTX-502.2 Column diameter: 0.18

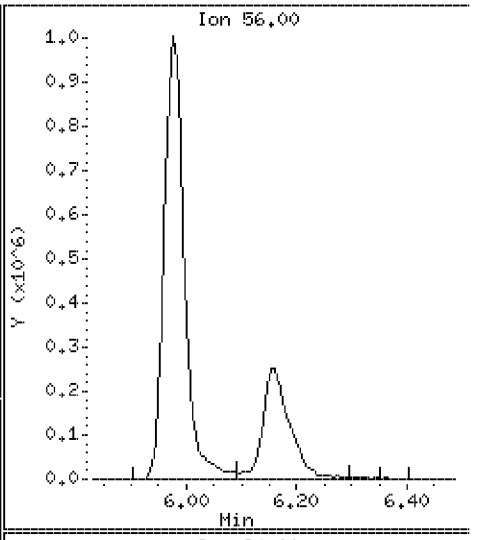
36 Cyclohexane Concentration: 55.1 ug/l

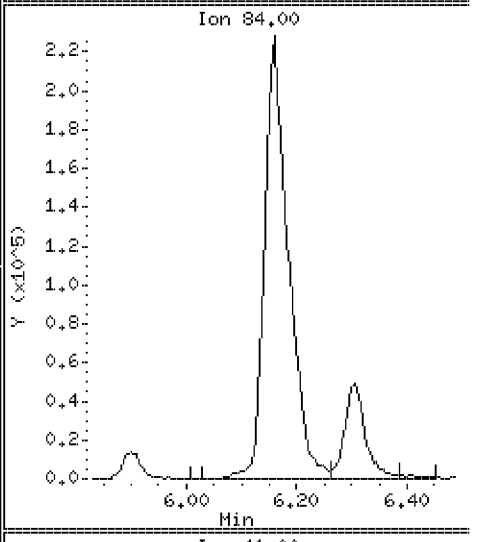


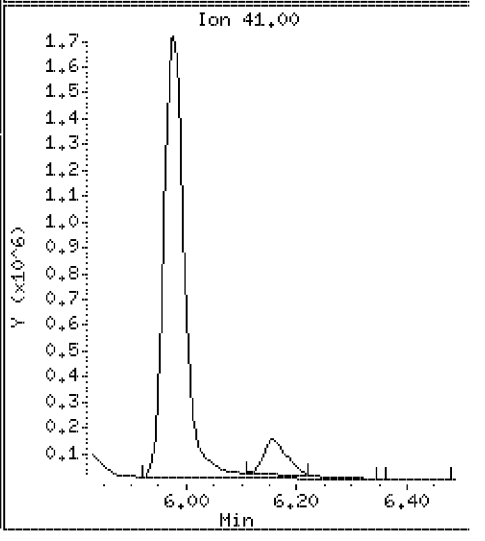












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

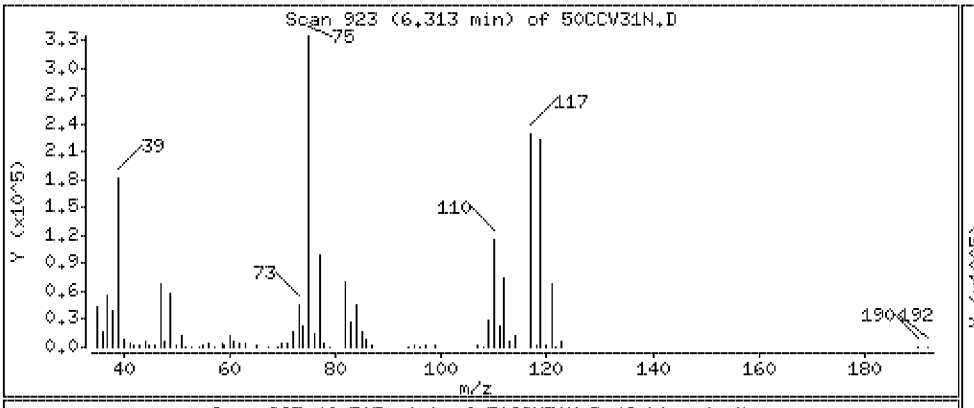
Operator:

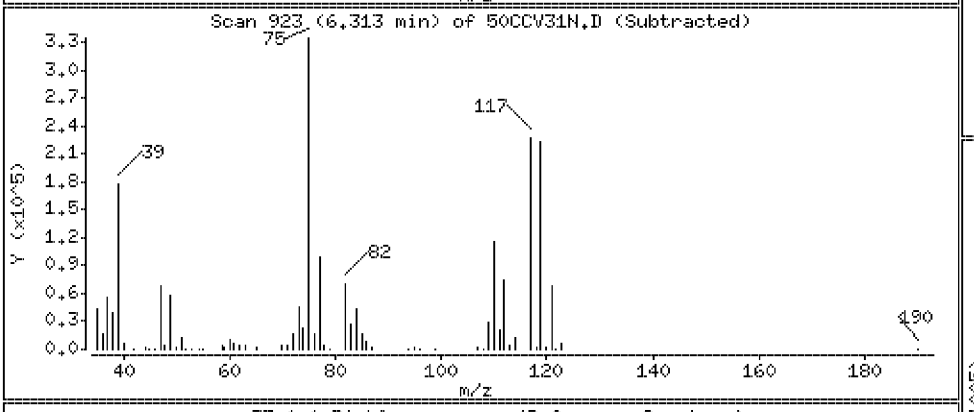
Column phase: RTX-502.2

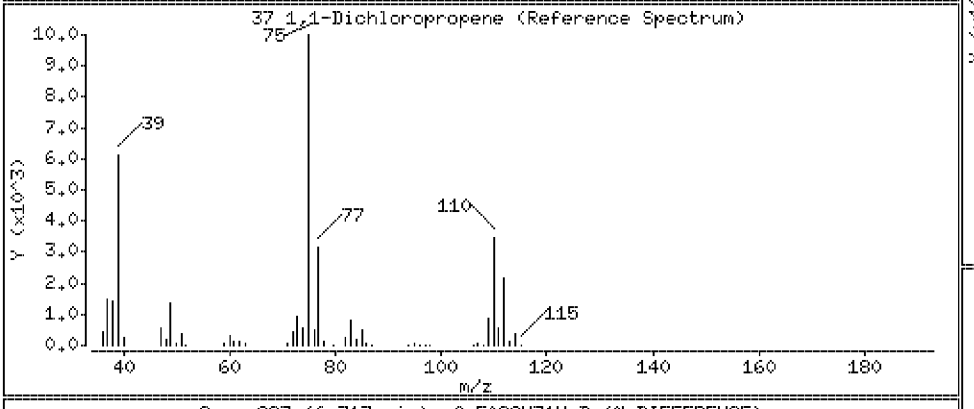
Column diameter: 0.18

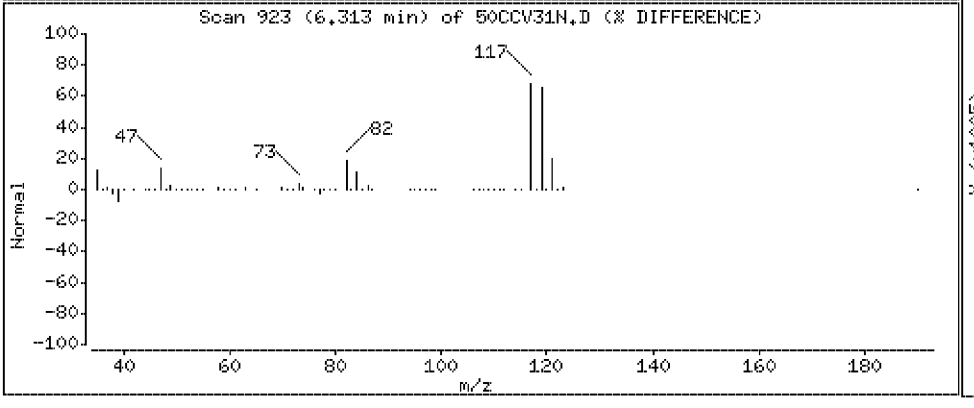
37 1,1-Dichloropropene

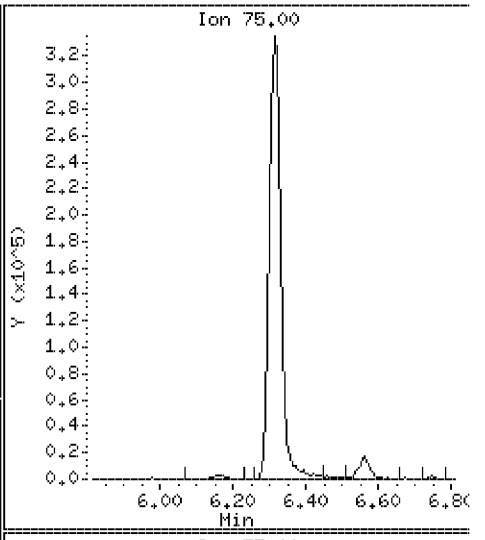
Concentration: 55.6 ug/l

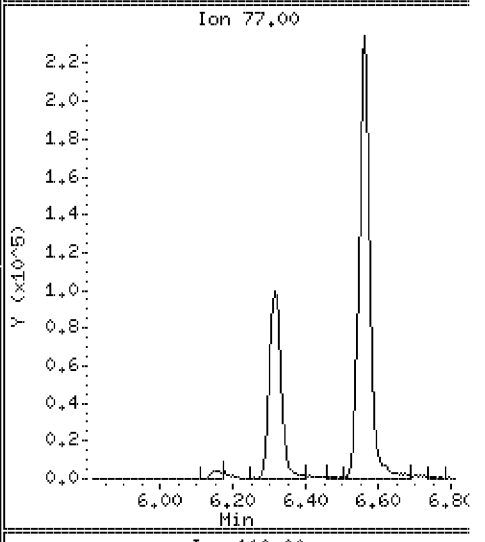


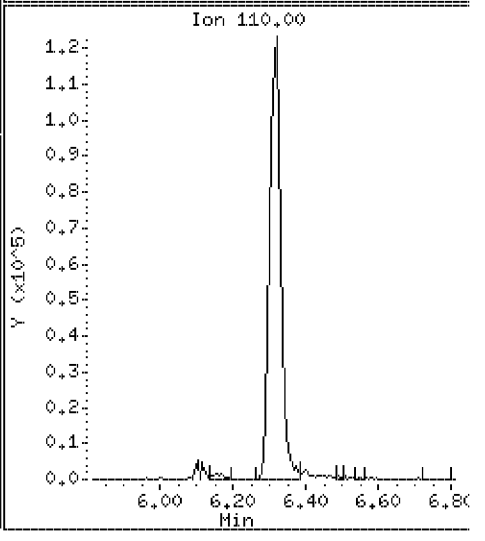












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

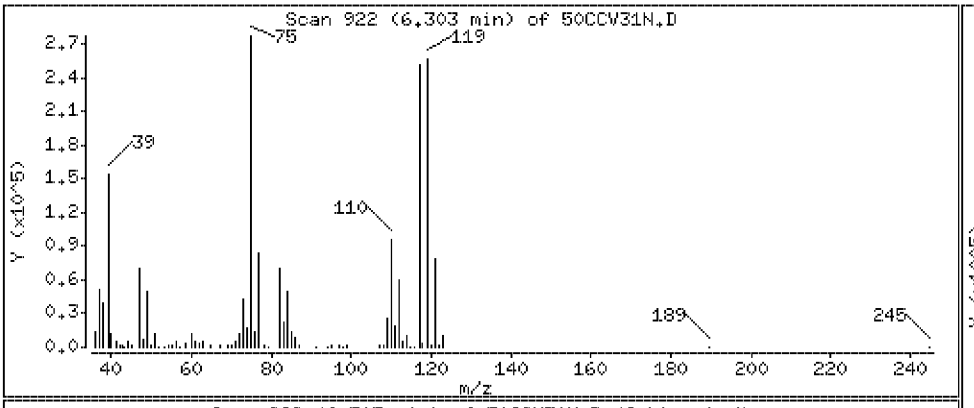
Operator:

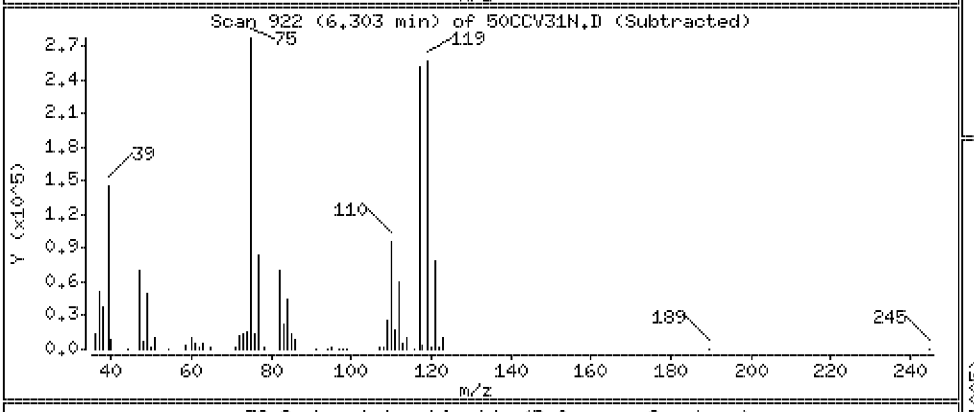
Column phase: RTX-502.2

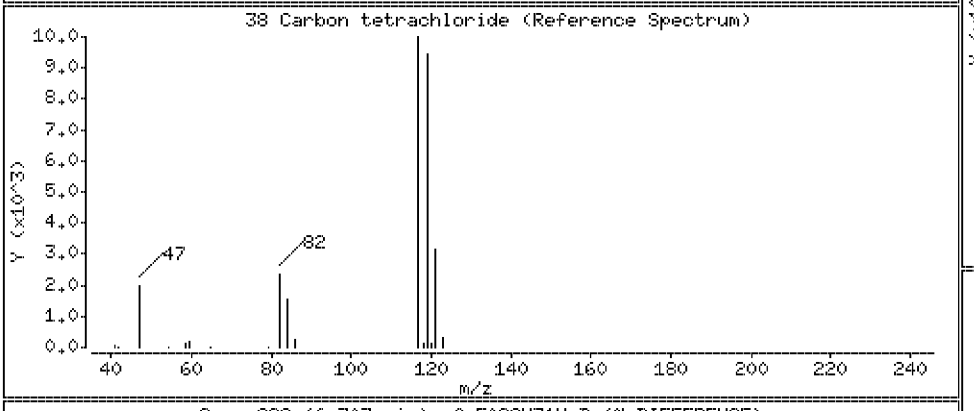
Column diameter: 0.18

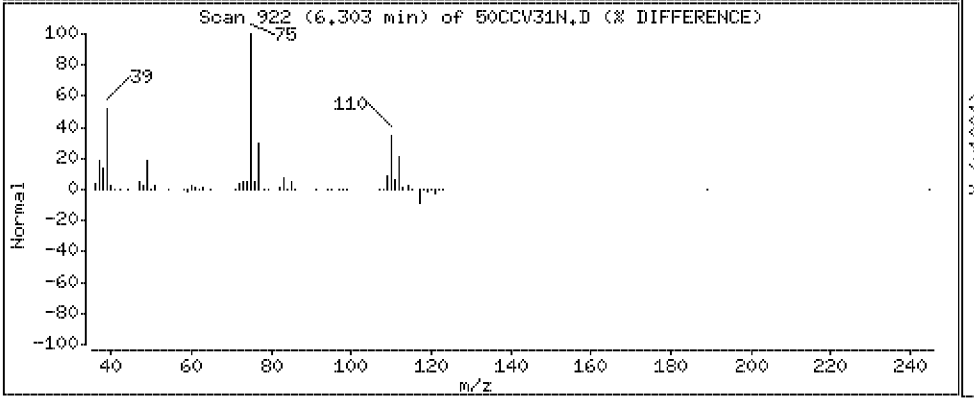
38 Carbon tetrachloride

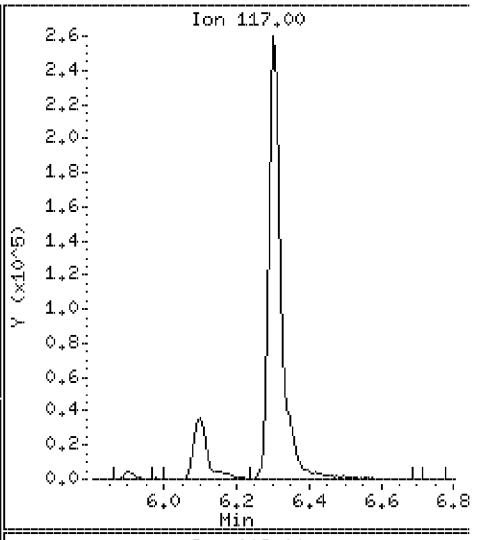
Concentration: 49.3 ug/l

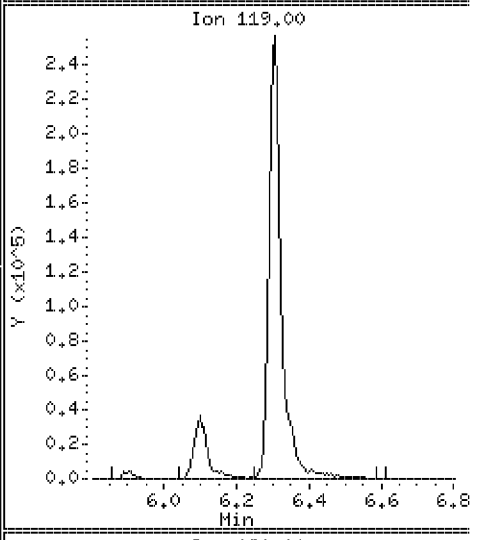


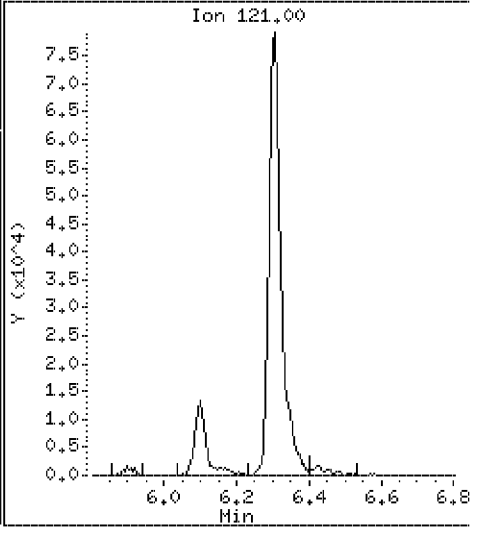












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

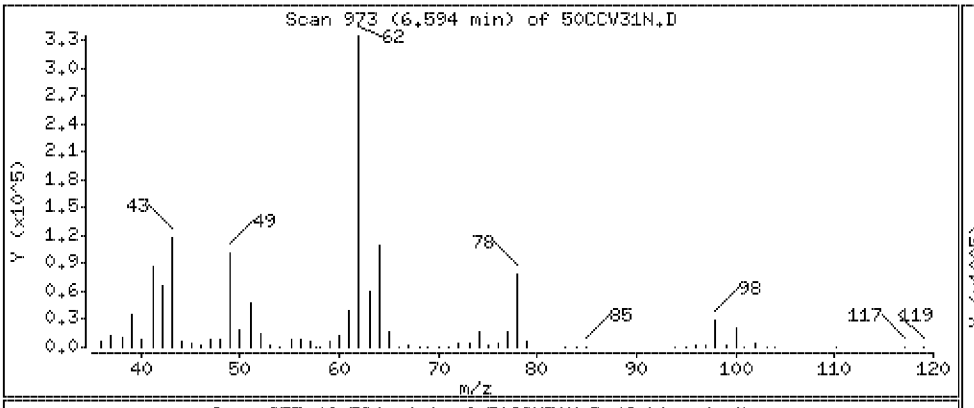
Operator:

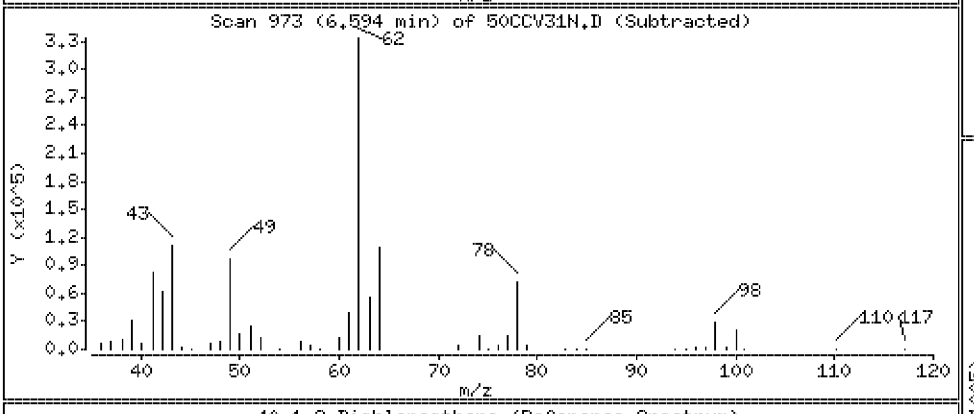
Column phase: RTX-502.2

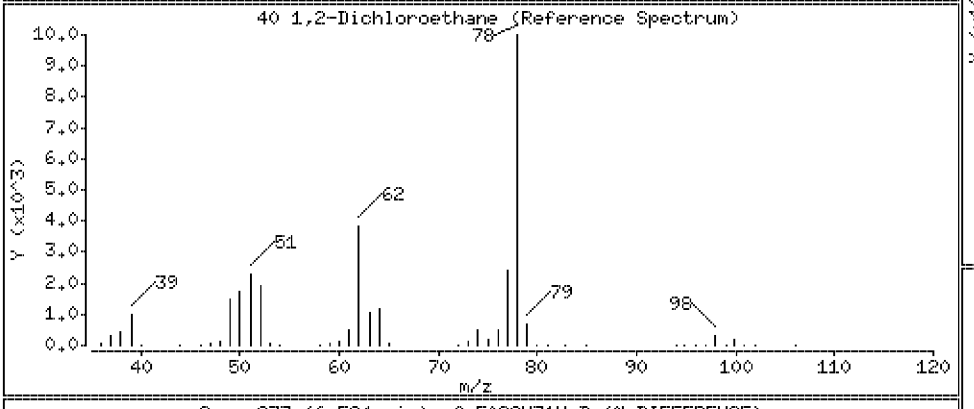
Column diameter: 0.18

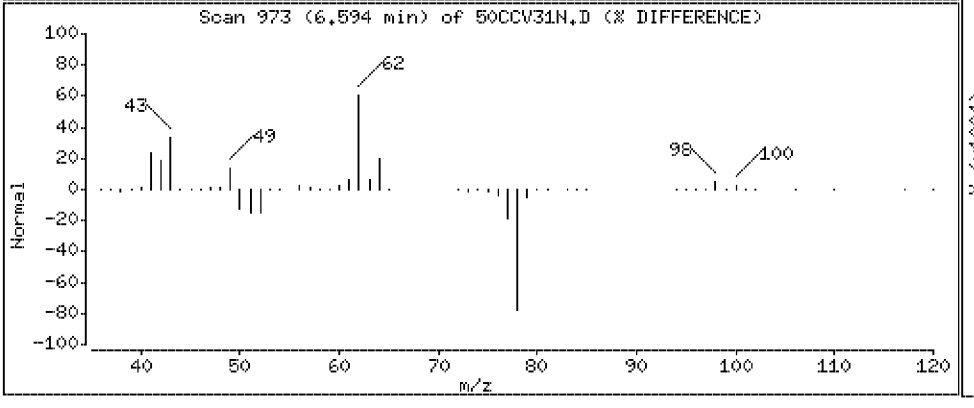
40 1,2-Dichloroethane

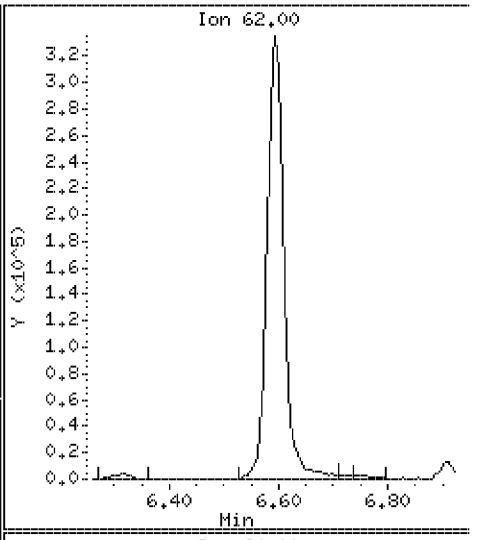
Concentration: 52.4 ug/l

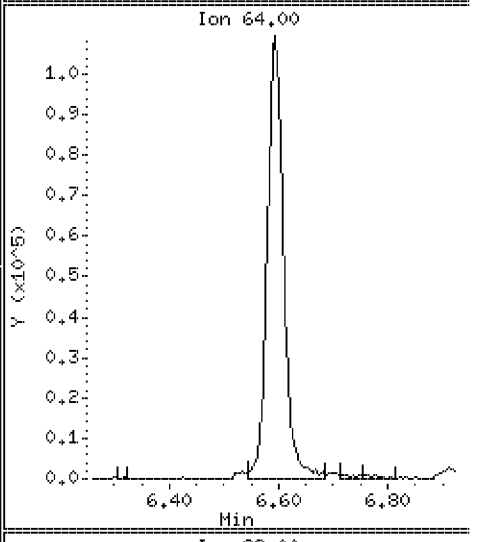


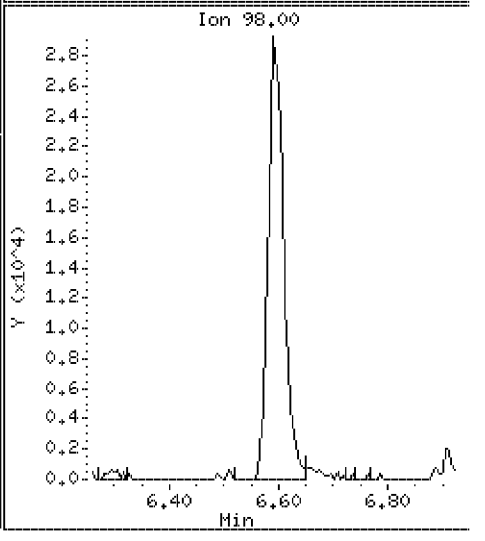












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

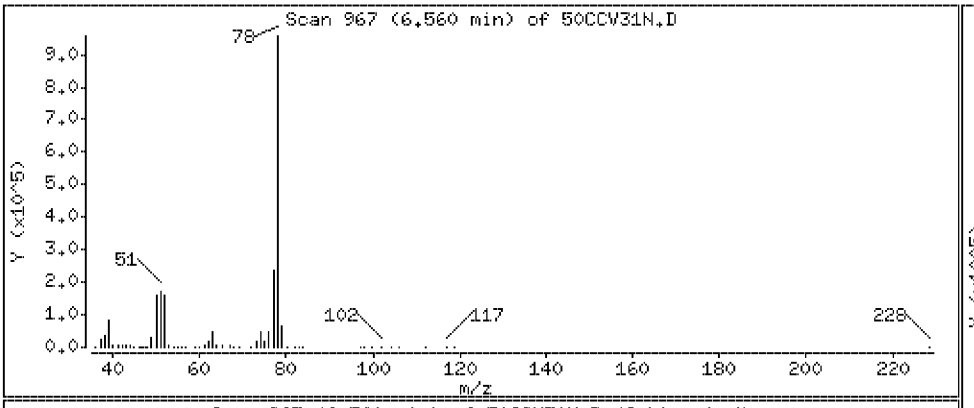
Operator:

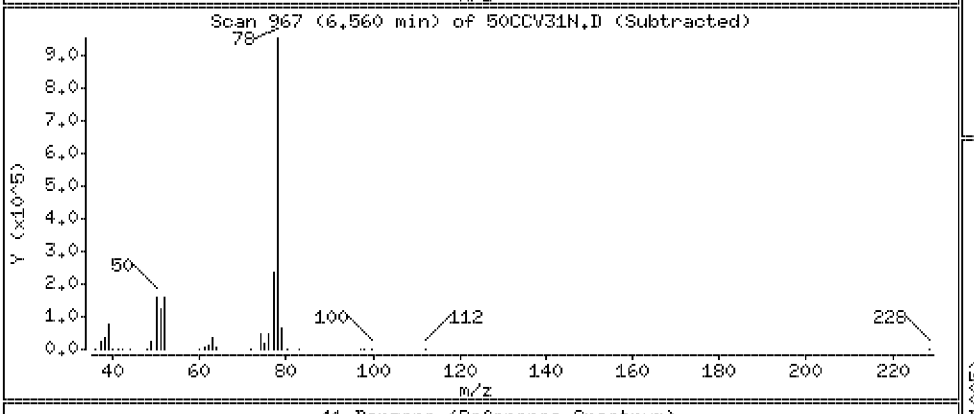
Column phase: RTX-502.2

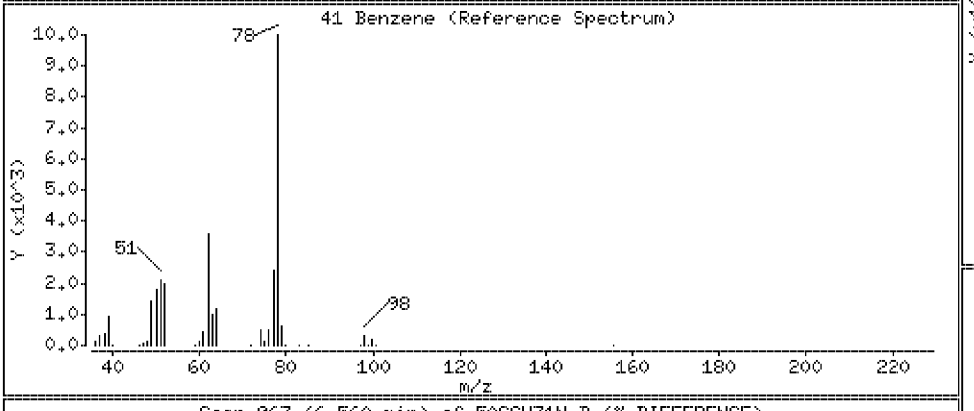
Column diameter: 0.18

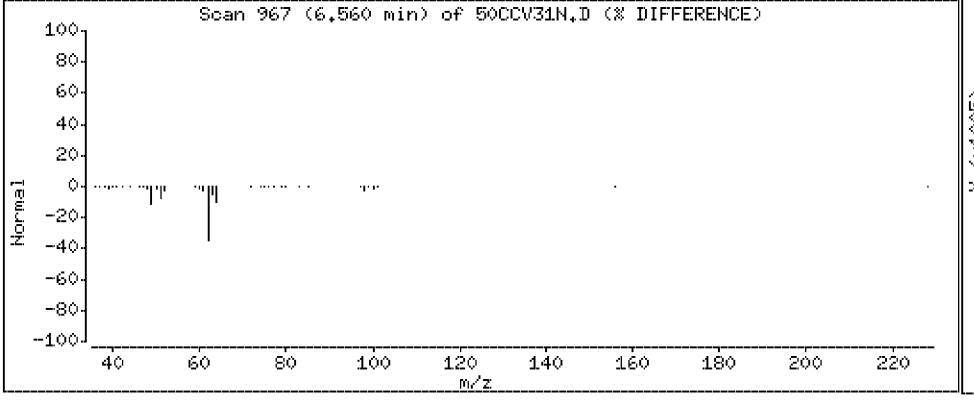
41 Benzene

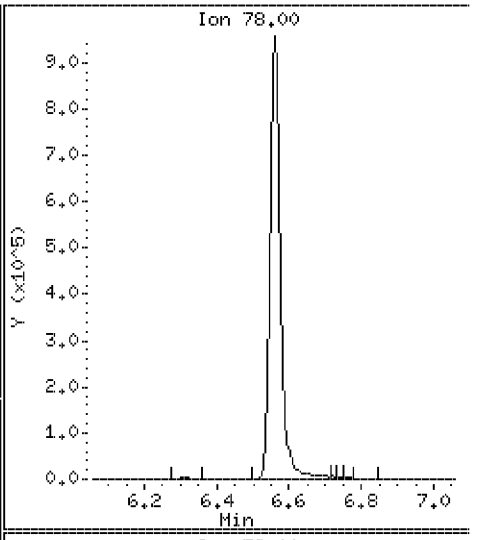
Concentration: 54.9 ug/l

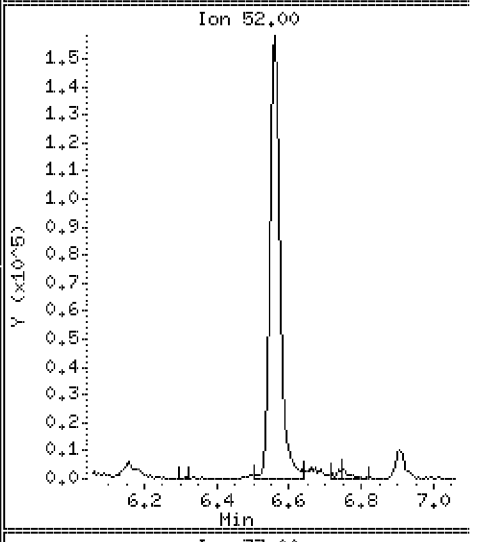


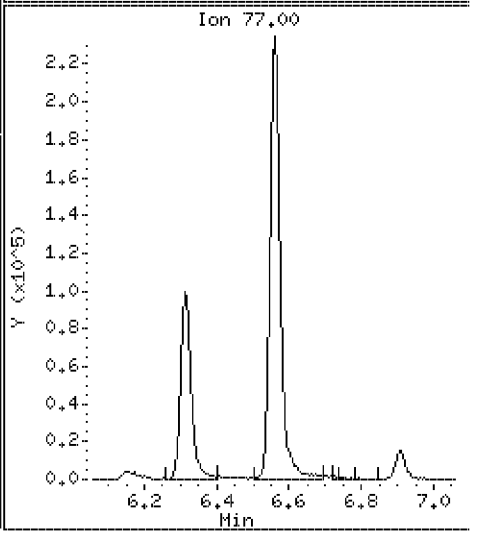












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

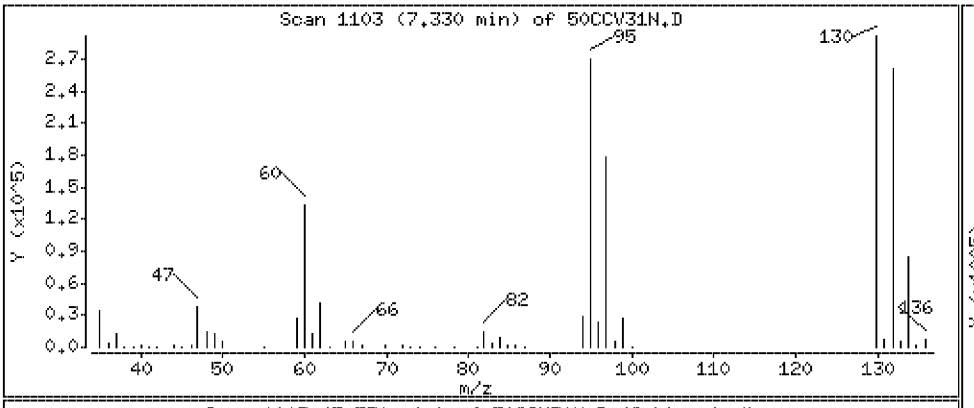
Operator:

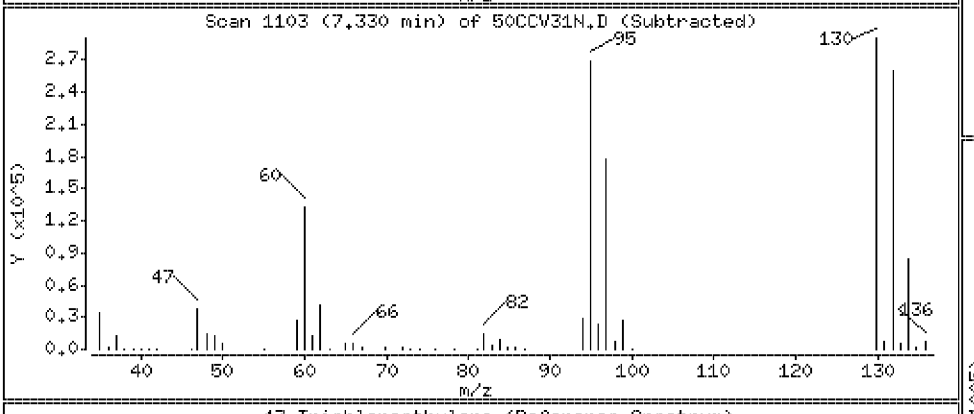
Column phase: RTX-502.2

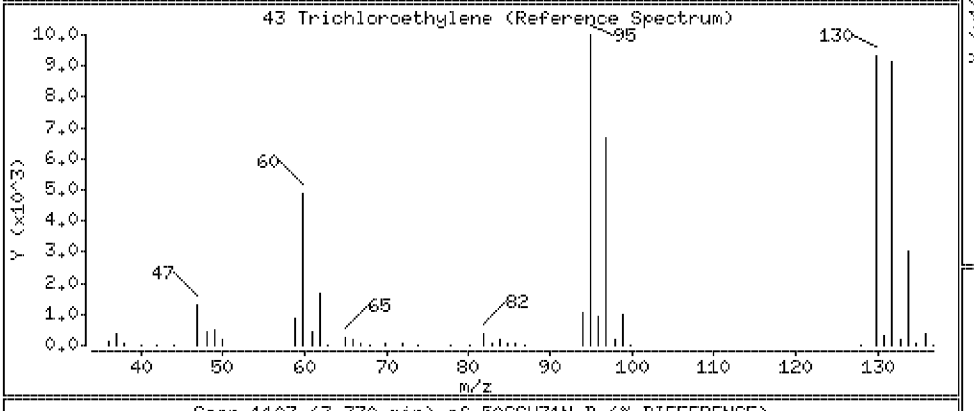
Column diameter: 0.18

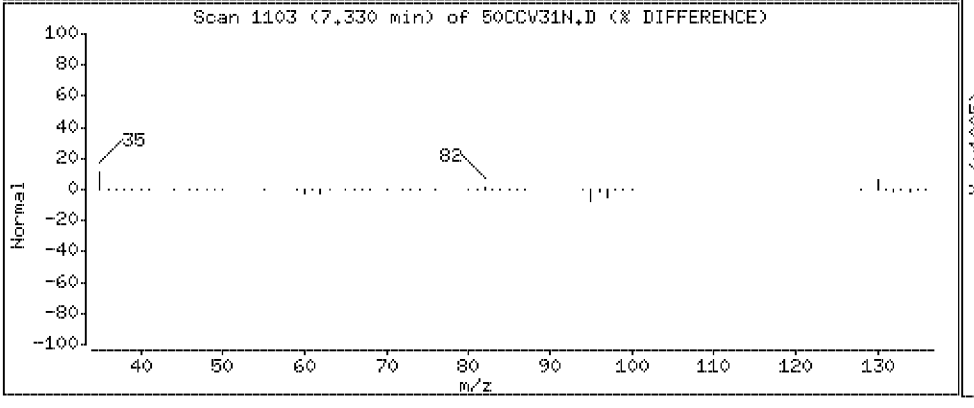
43 Trichloroethylene

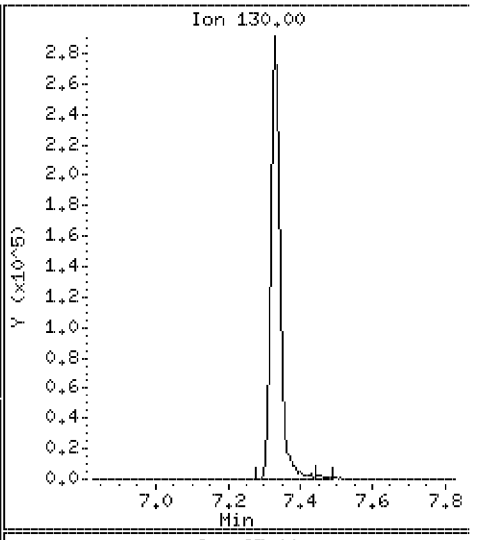
Concentration: 55.6 ug/l

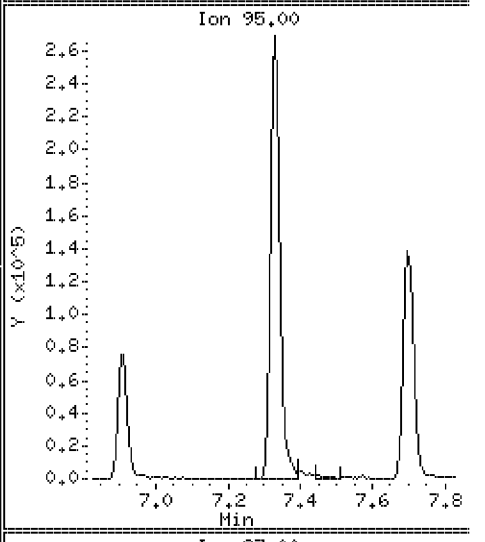


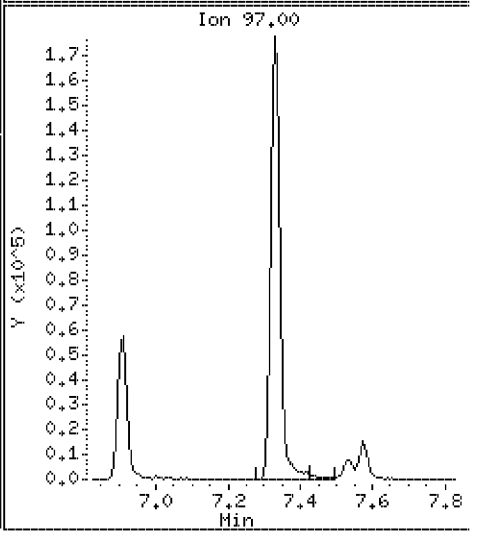












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

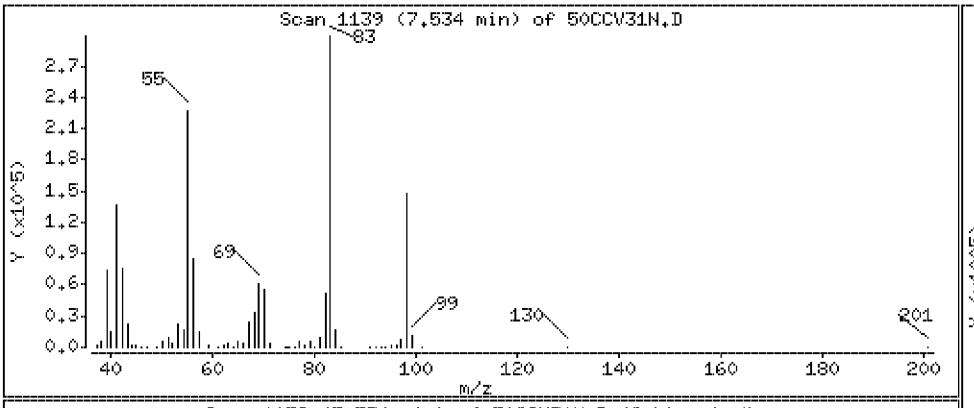
Operator:

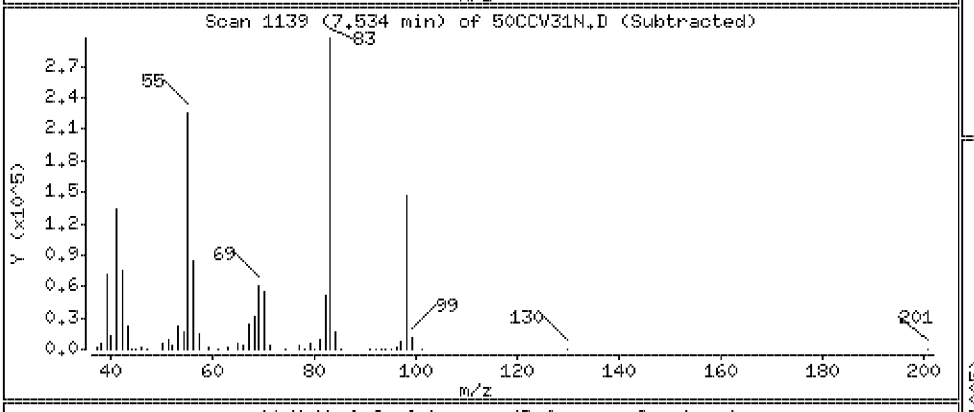
Column phase: RTX-502.2

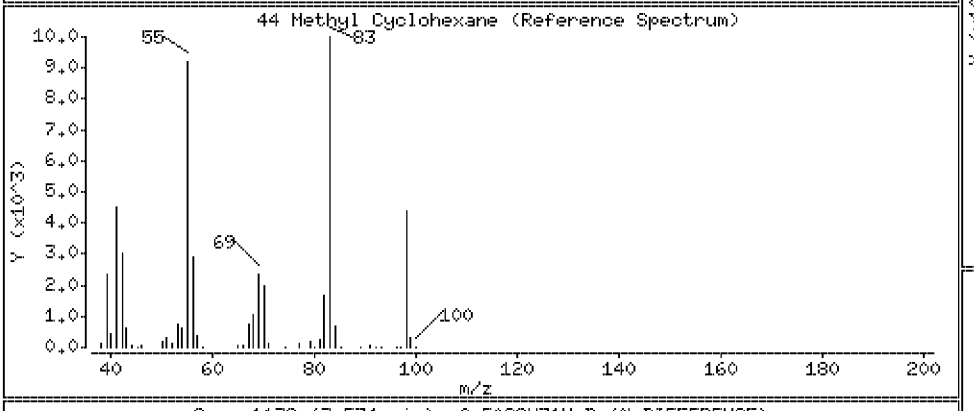
Column diameter: 0.18

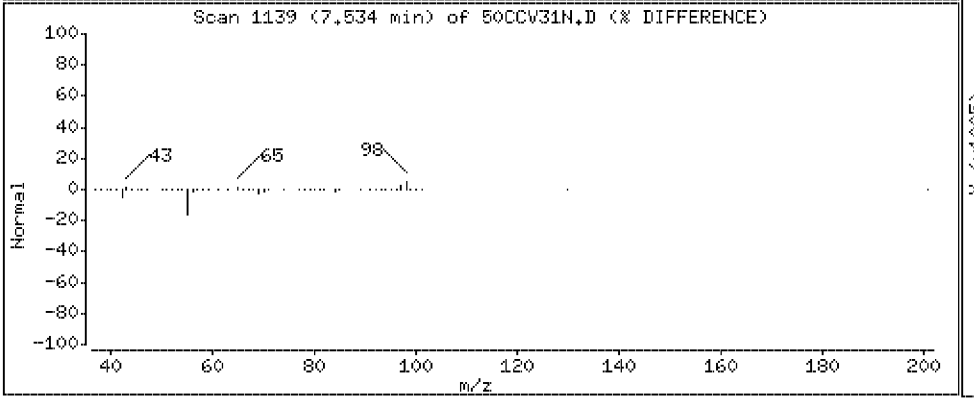
44 Methyl Cyclohexane

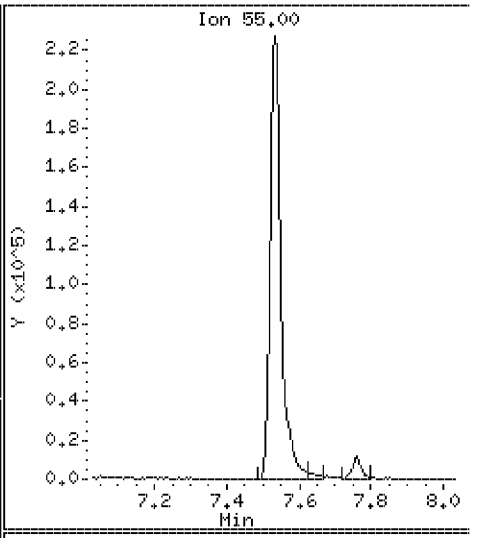
Concentration: 57.3 ug/l

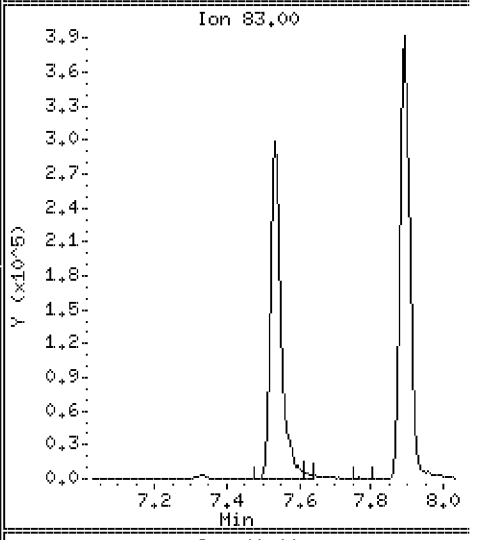


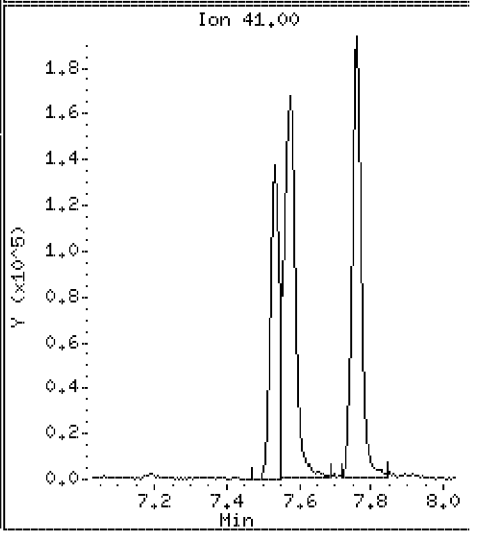












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

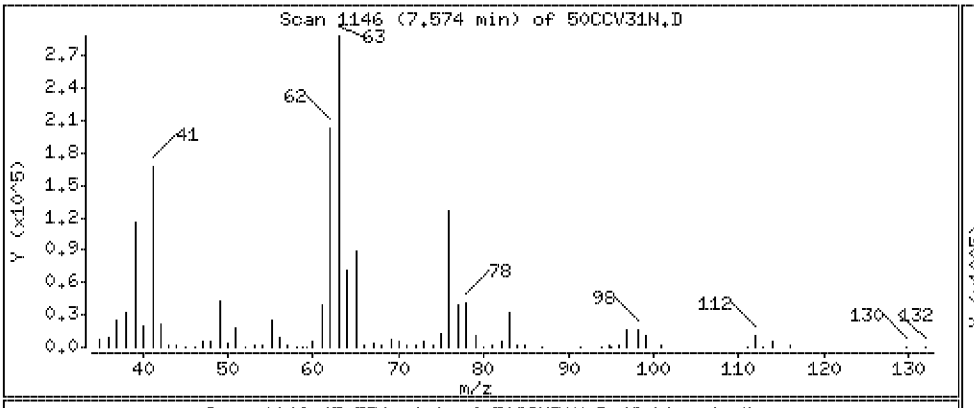
Operator:

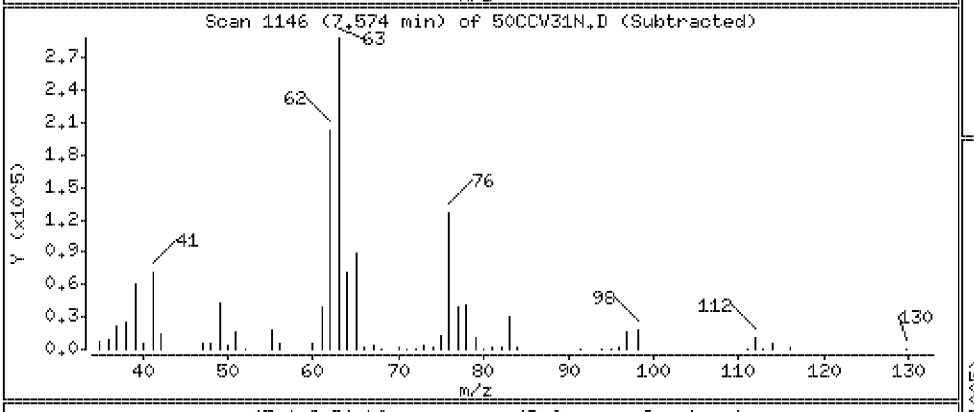
Column phase: RTX-502.2

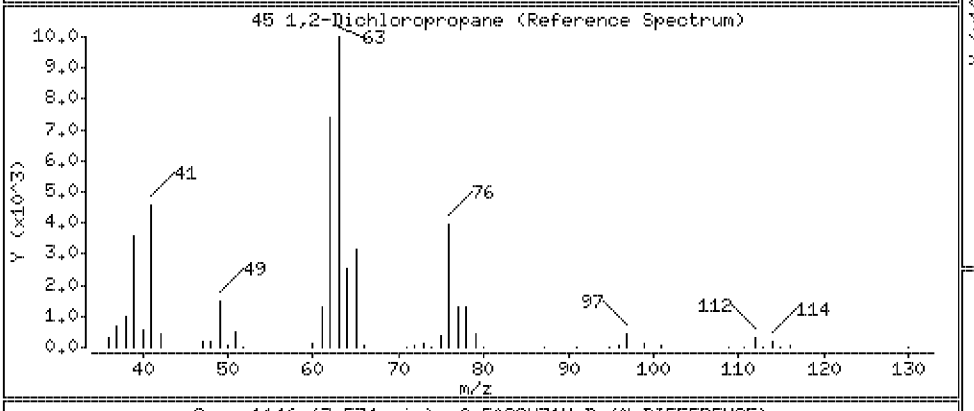
Column diameter: 0.18

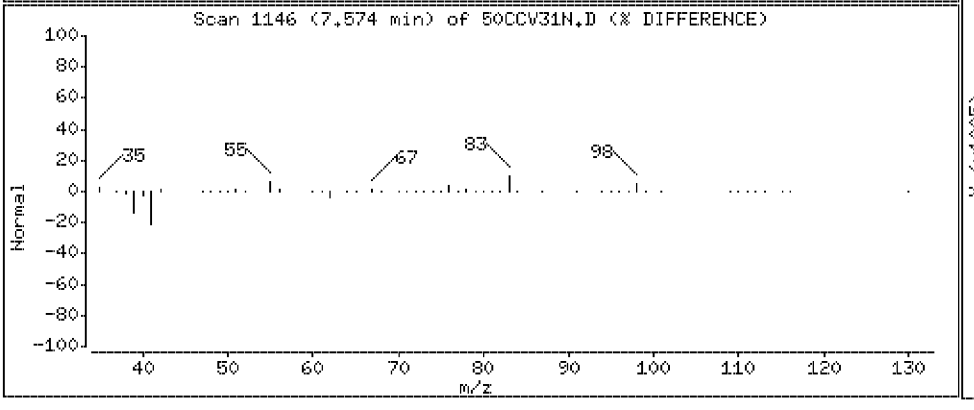
45 1,2-Dichloropropane

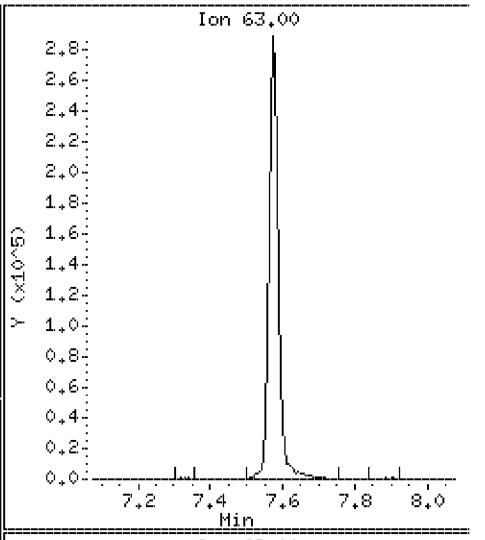
Concentration: 55.2 ug/l

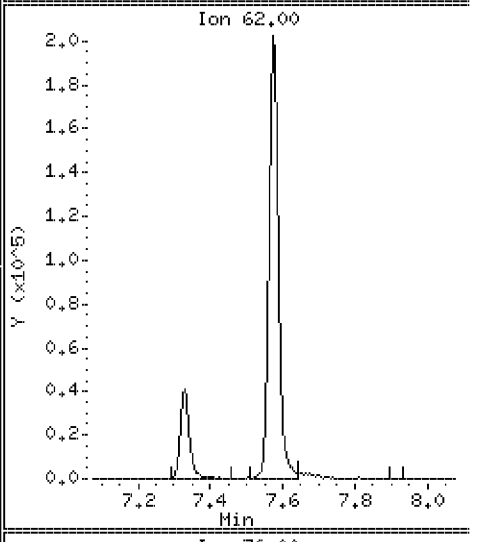


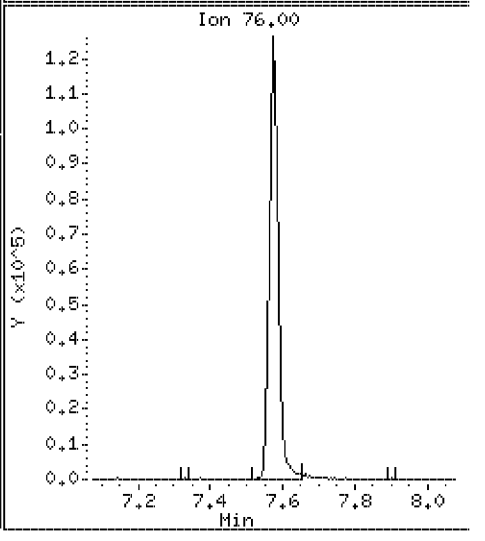












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

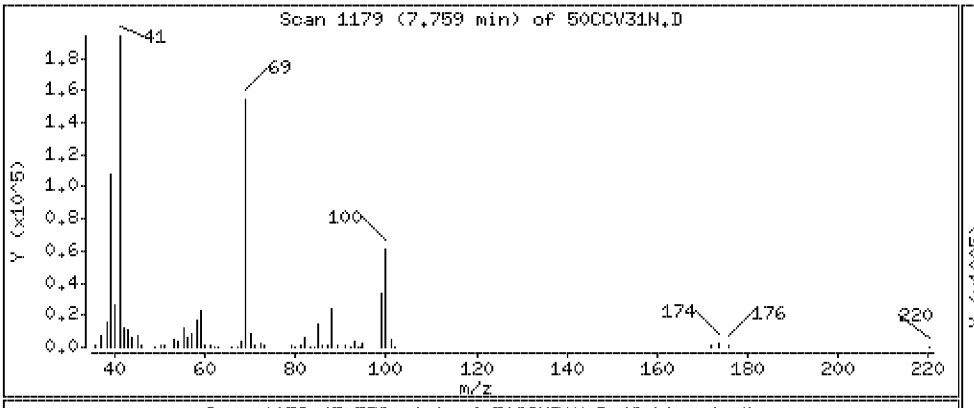
Operator:

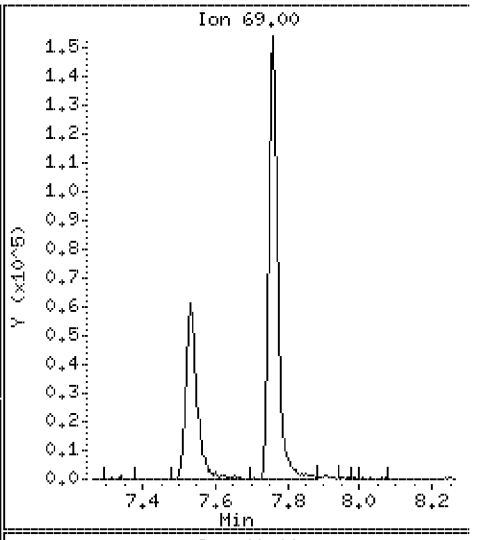
Column phase: RTX-502.2

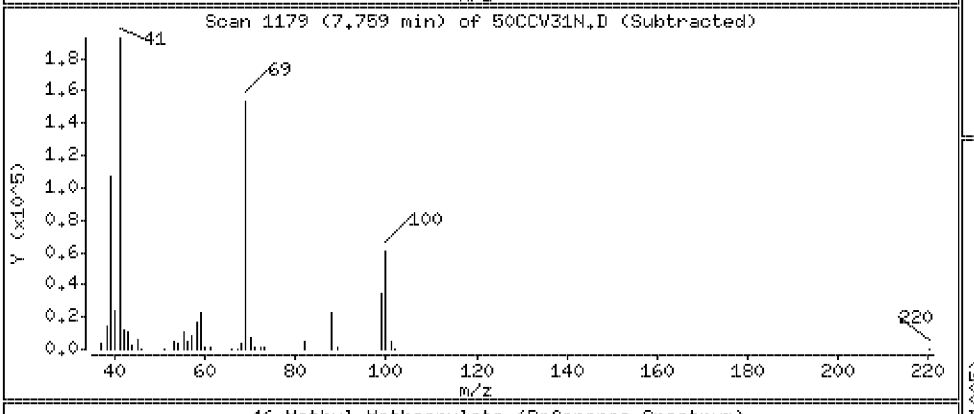
Column diameter: 0.18

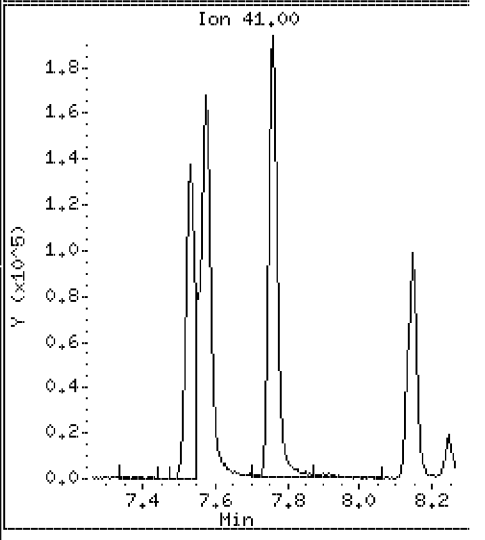
46 Methyl Methacrylate

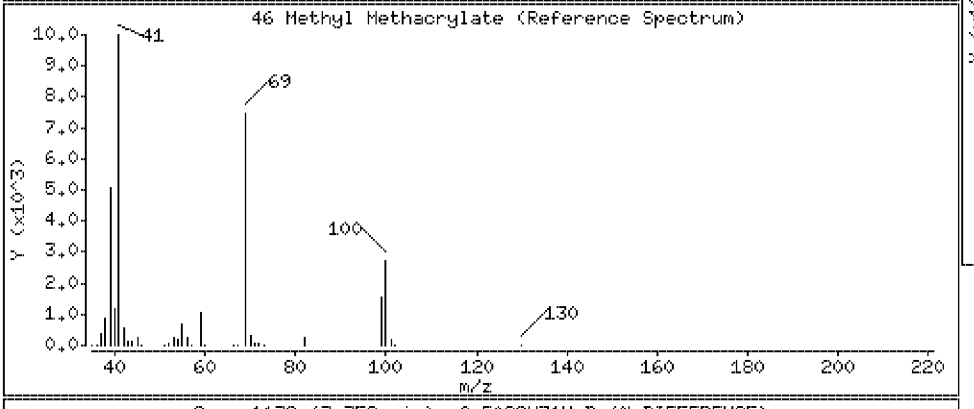
Concentration: 45.9 ug/l

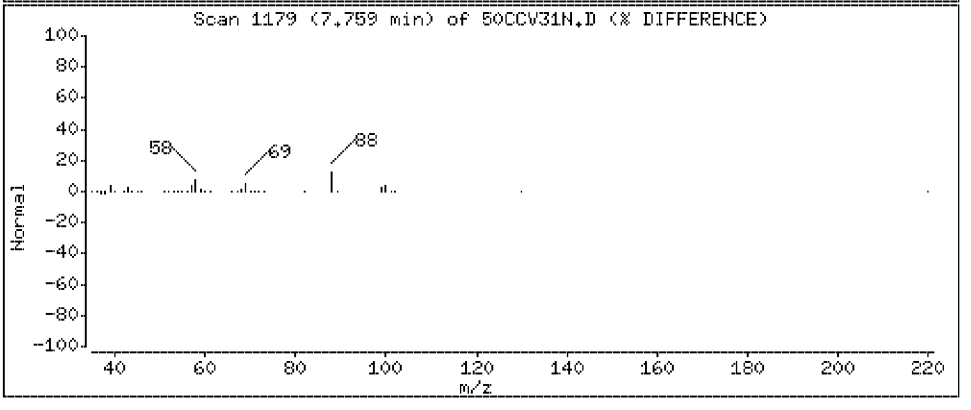












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

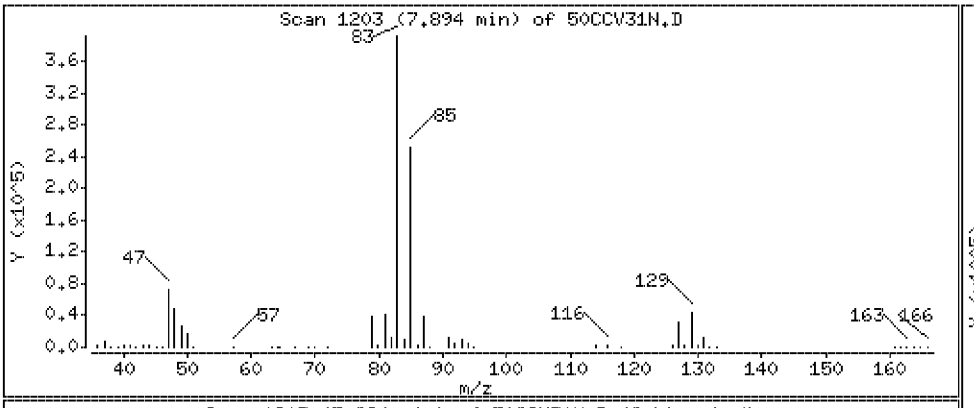
Client ID: 072710CCVA31 Instrument: vms03.i

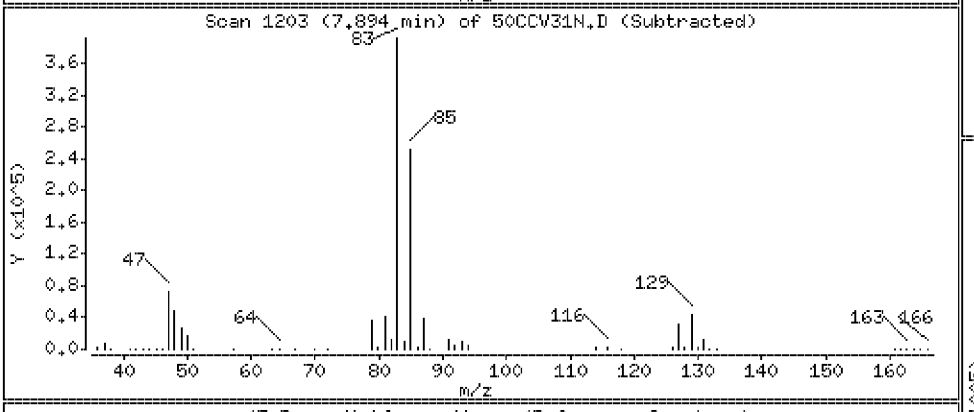
Sample Info: 072710CCVA31

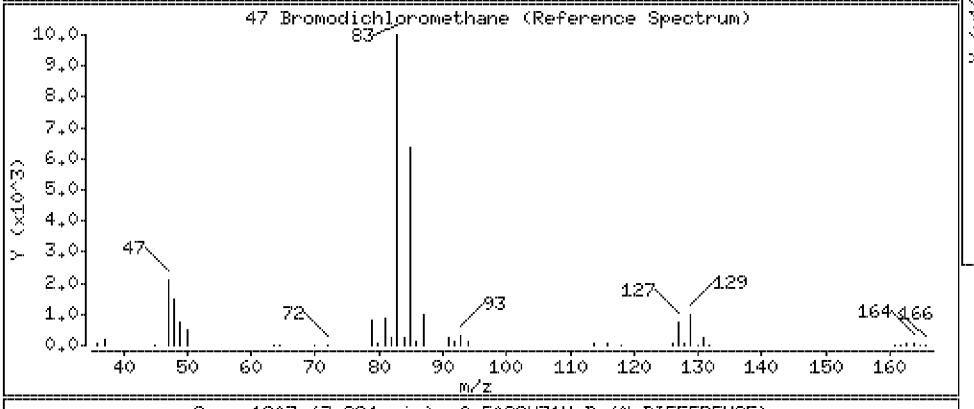
Purge Volume: 5.0 Operator:

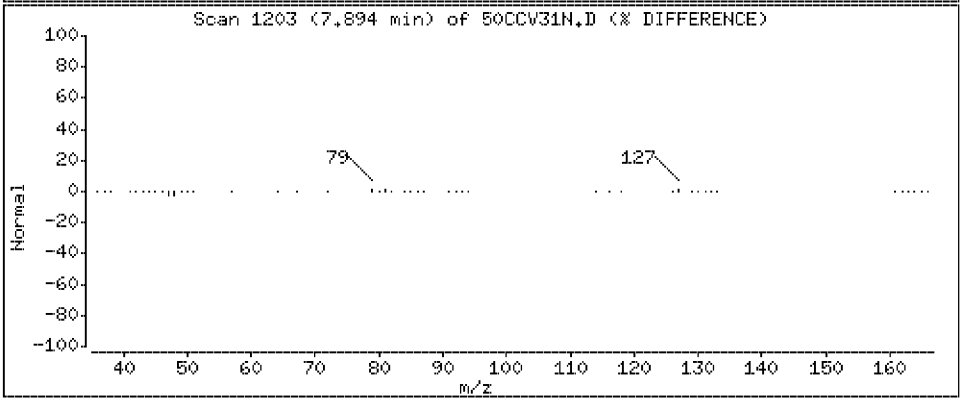
Column phase: RTX-502.2 Column diameter: 0.18

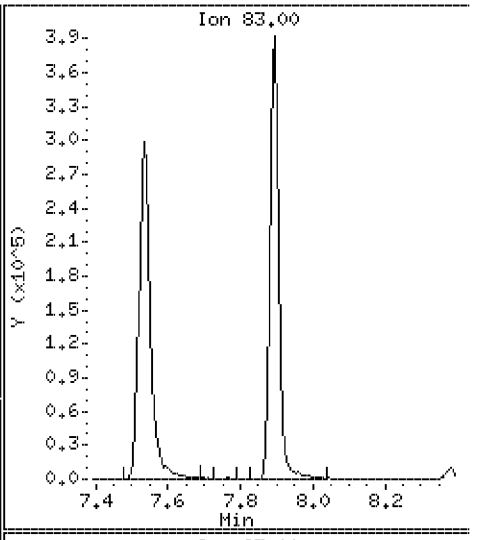
47 Bromodichloromethane Concentration: 53.5 ug/l

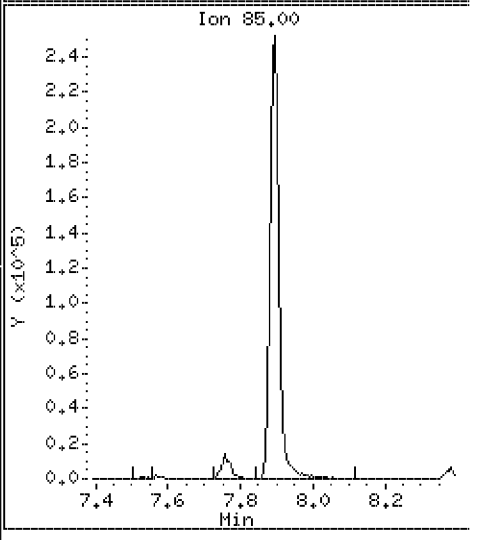












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

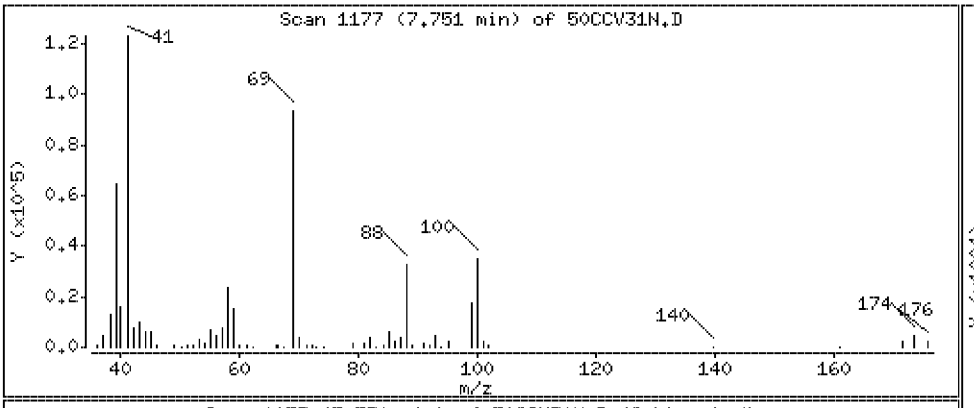
Operator:

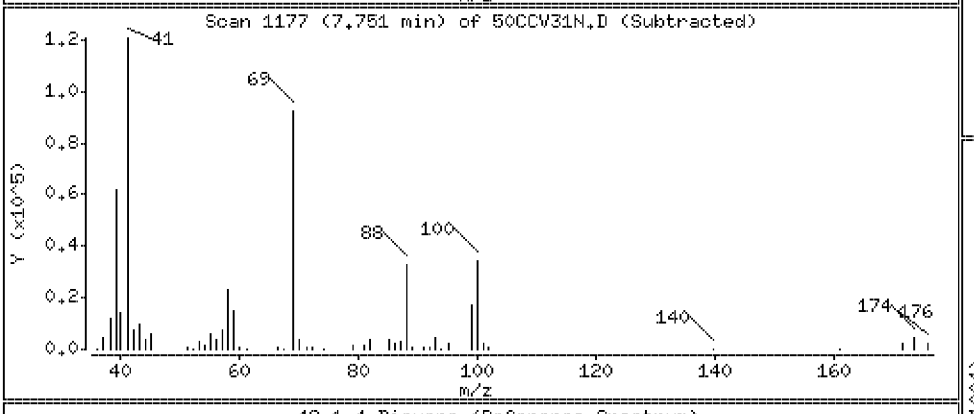
Column phase: RTX-502.2

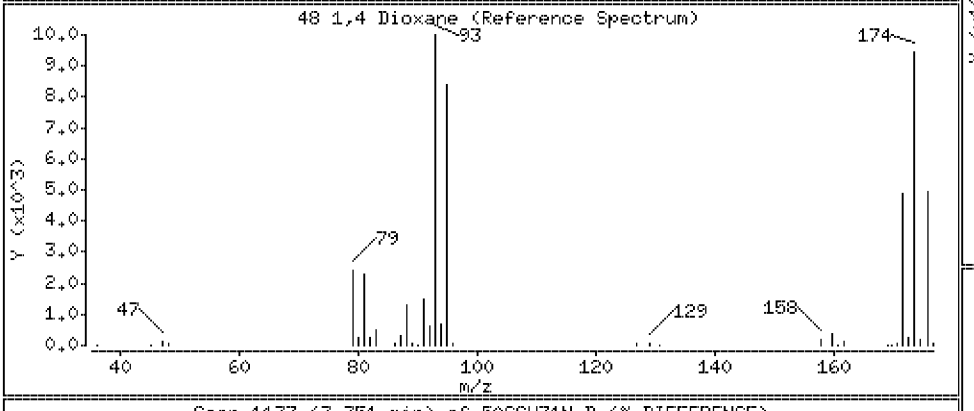
Column diameter: 0.18

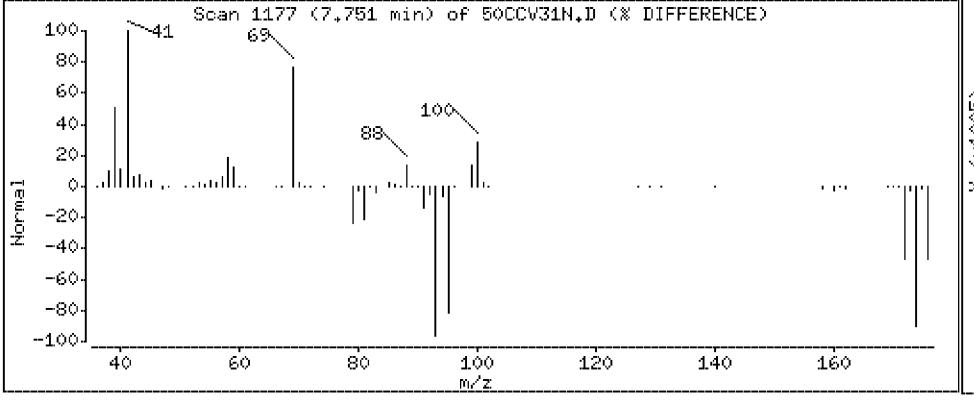
48 1,4 Dioxane

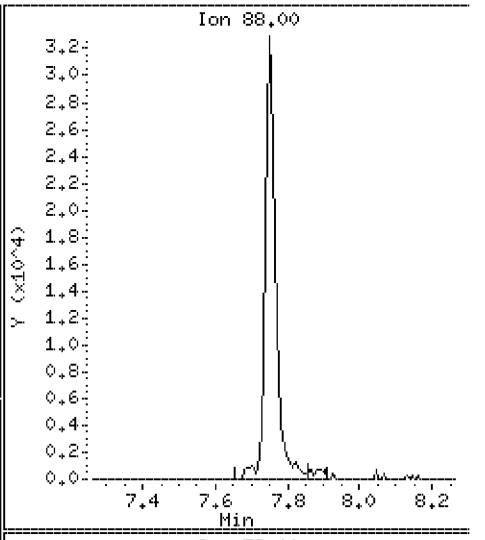
Concentration: 988 ug/l

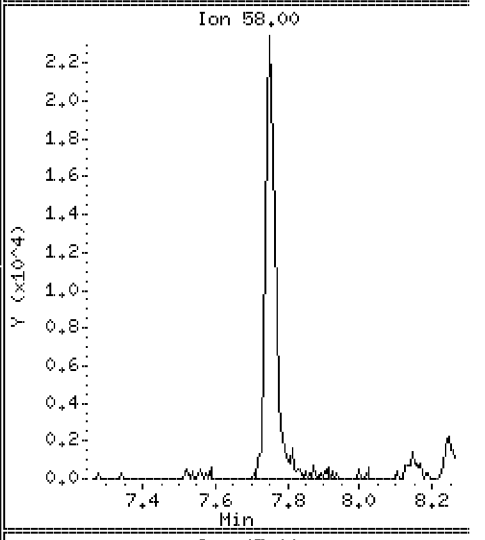


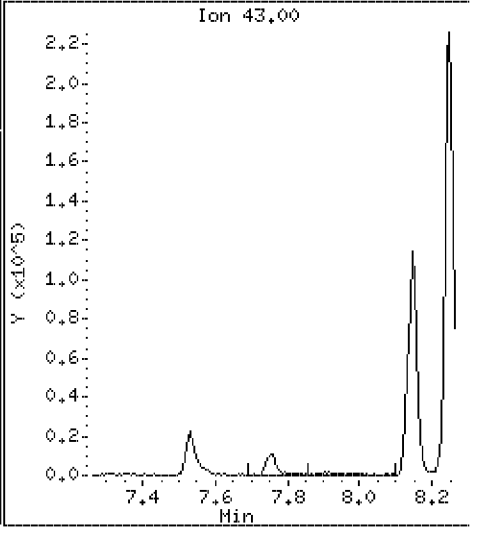












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

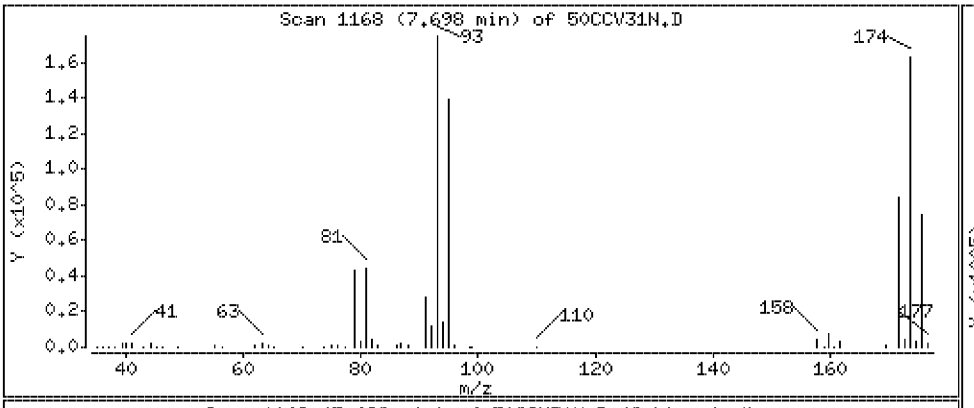
Client ID: 072710CCVA31 Instrument: vms03.i

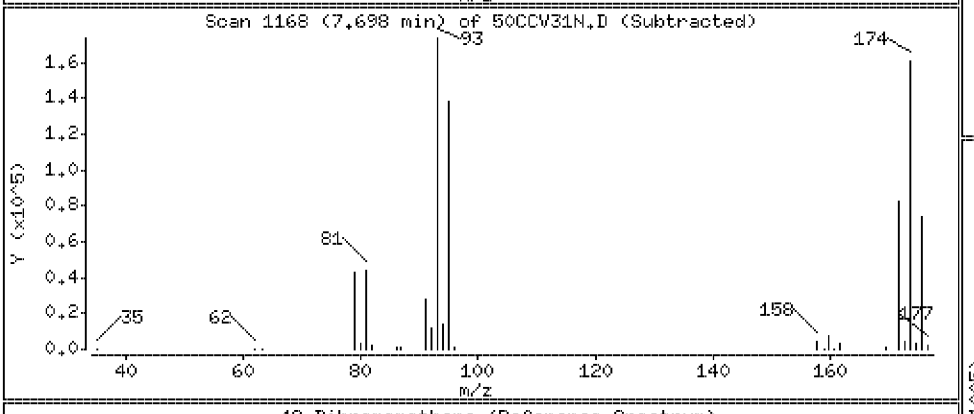
Sample Info: 072710CCVA31

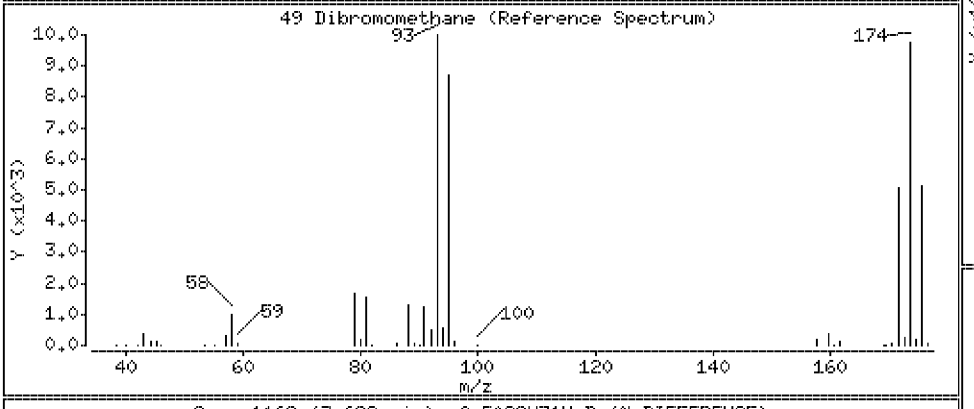
Purge Volume: 5.0 Operator:

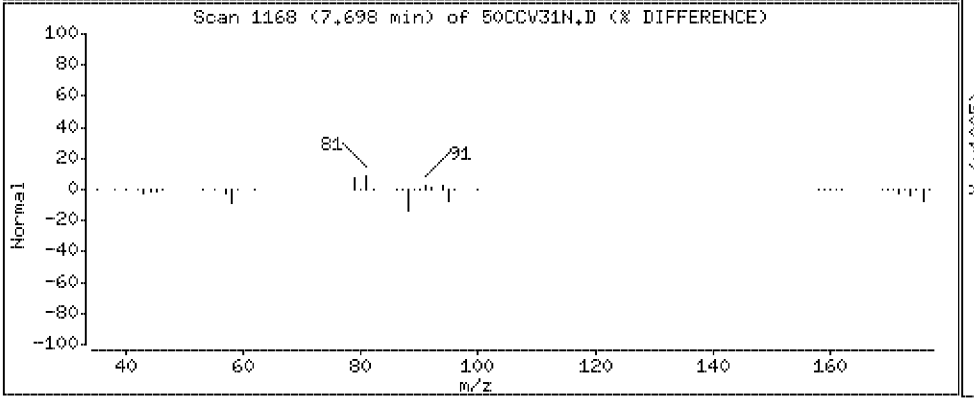
Column phase: RTX-502.2 Column diameter: 0.18

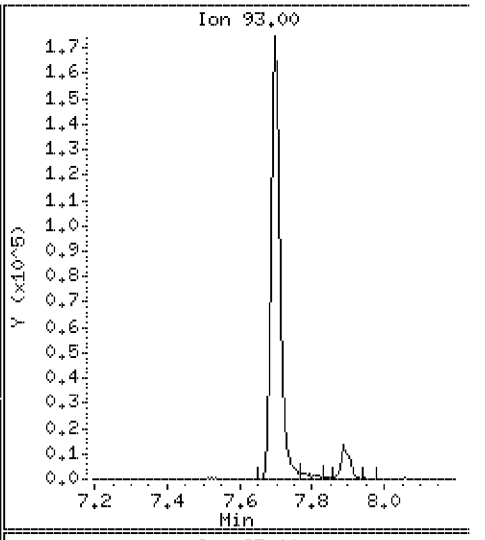
49 Dibromomethane Concentration: 52.0 ug/l

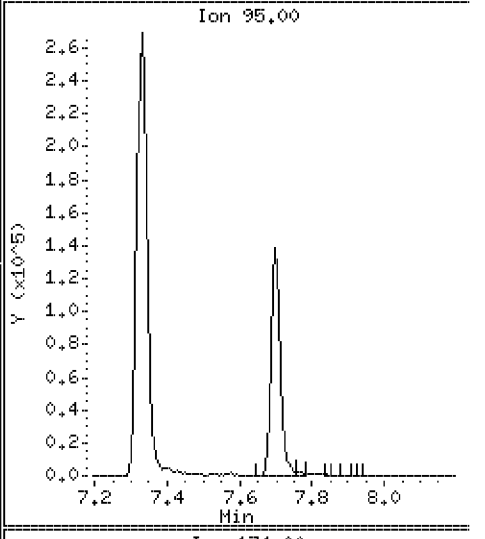


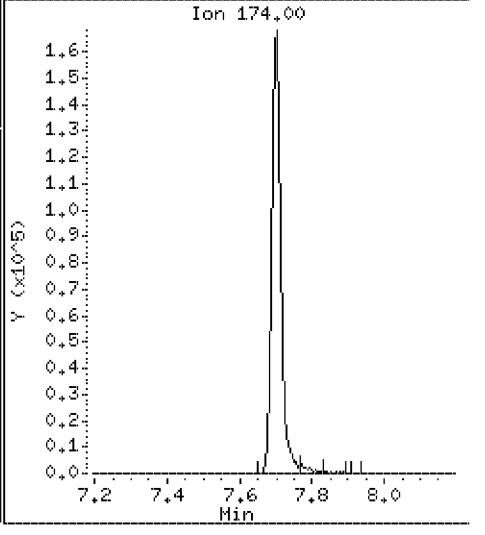












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

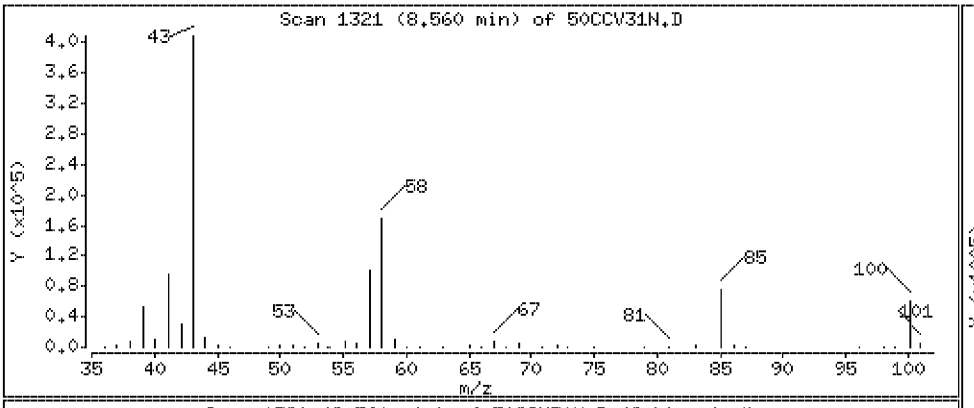
Operator:

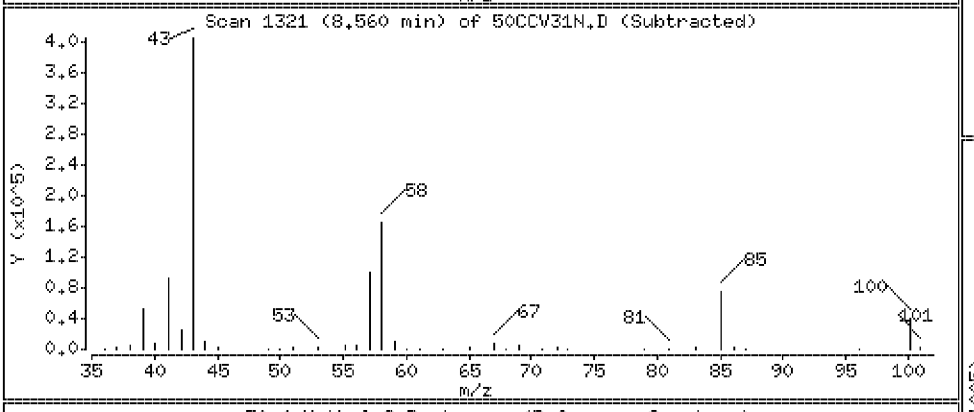
Column phase: RTX-502.2

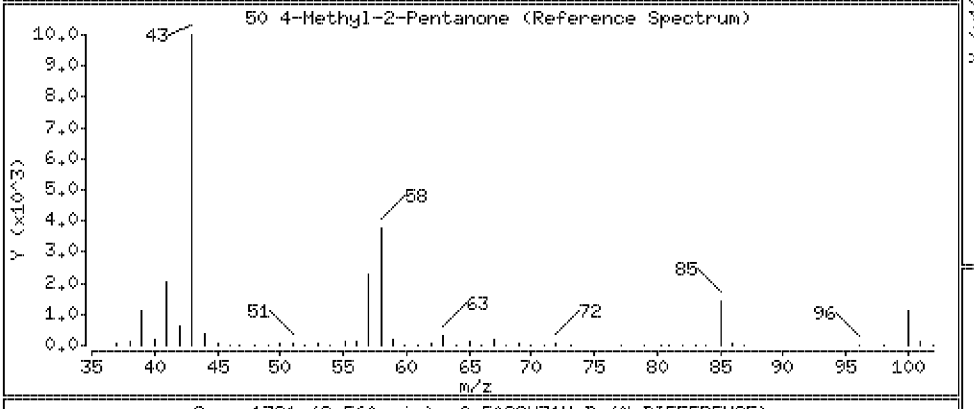
Column diameter: 0.18

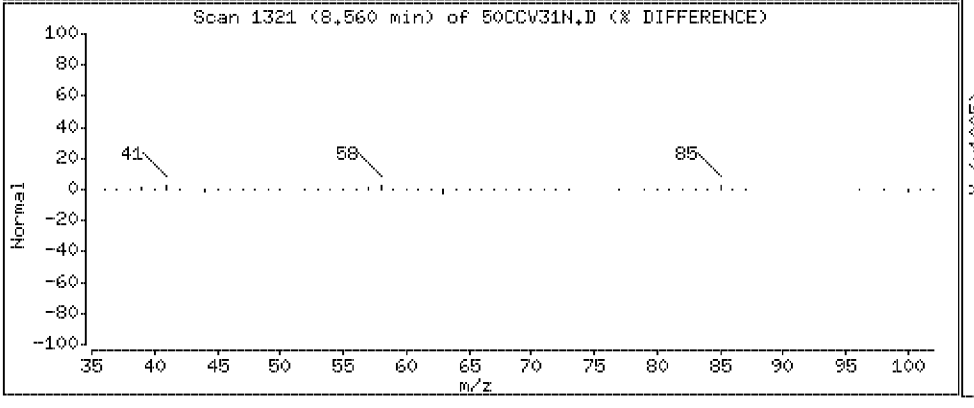
50 4-Methyl-2-Pentanone

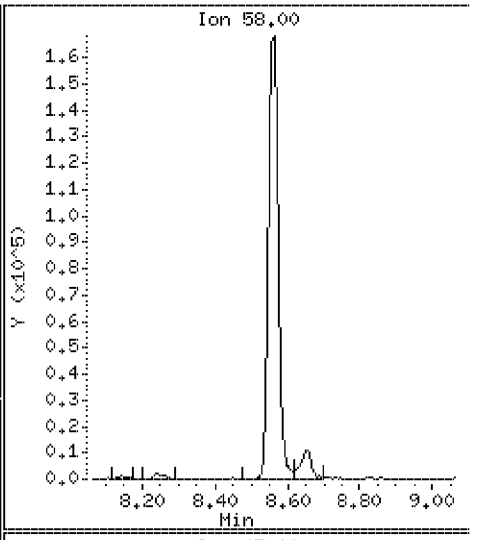
Concentration: 107 ug/l

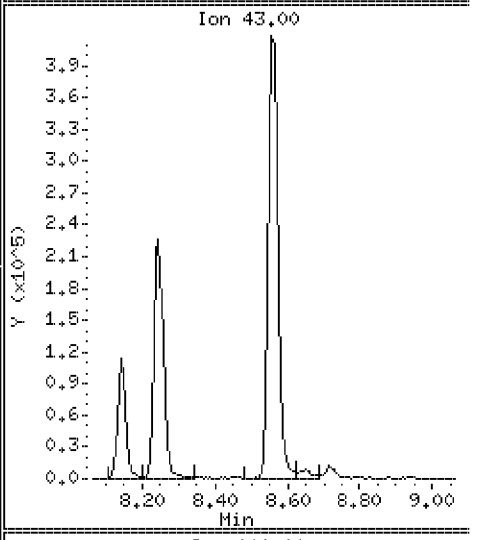


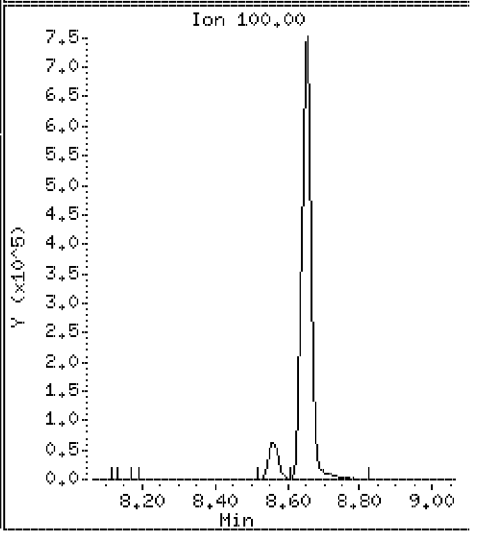












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

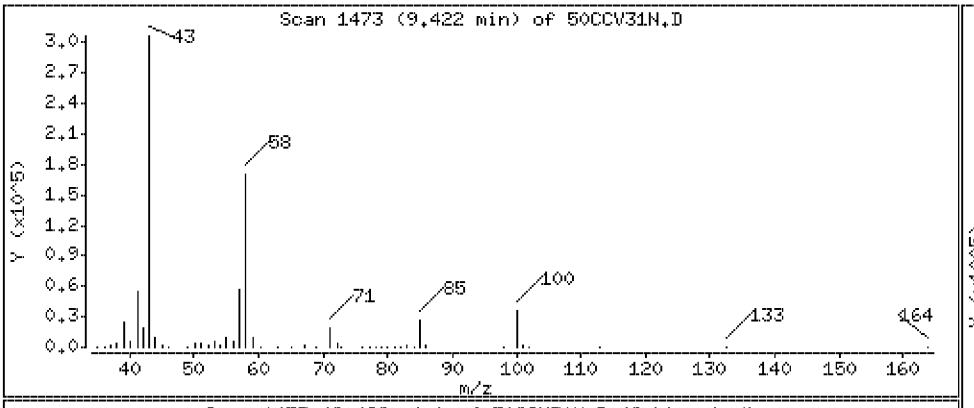
Operator:

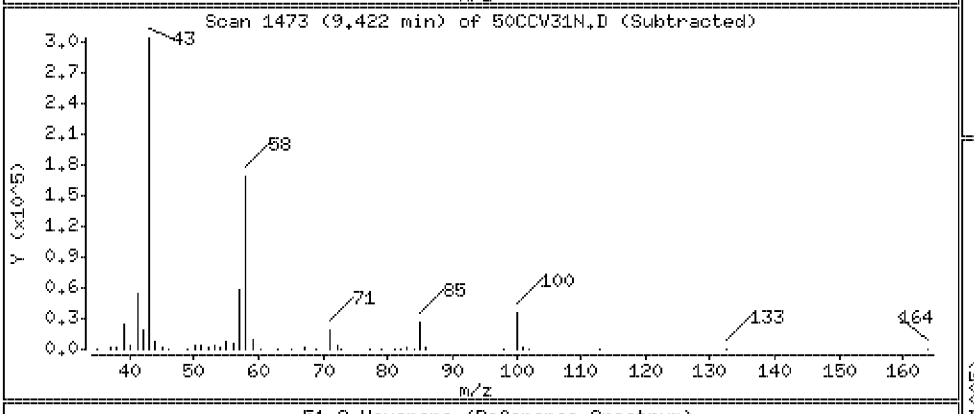
Column phase: RTX-502.2

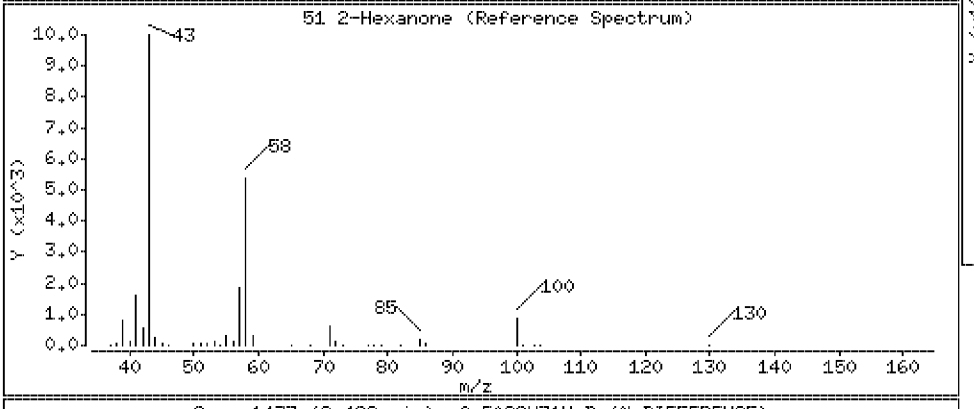
Column diameter: 0.18

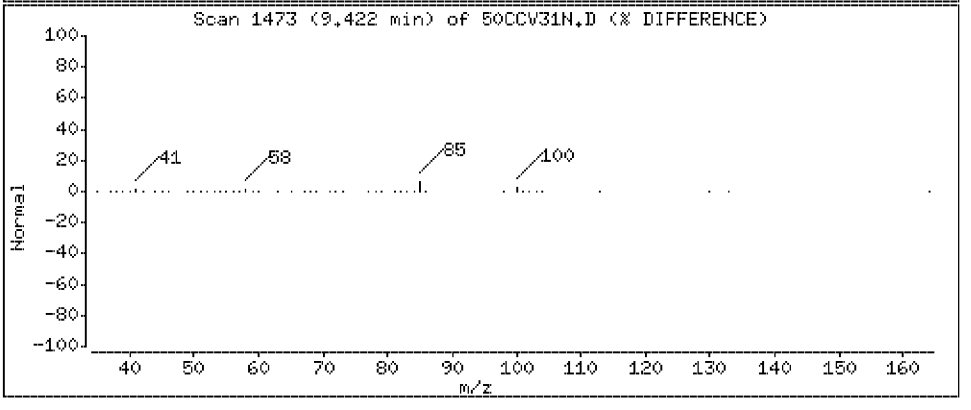
51 2-Hexanone

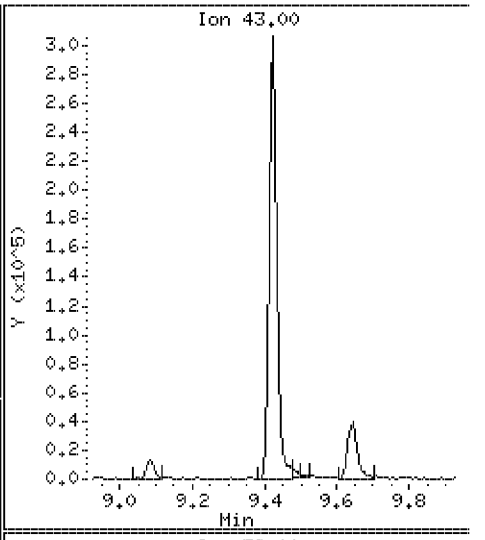
Concentration: 99.3 ug/l

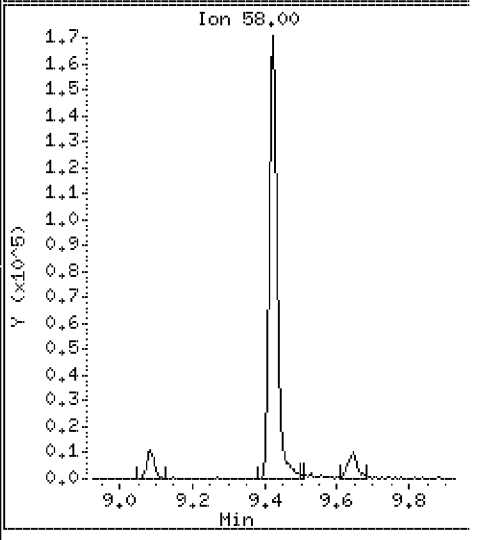












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

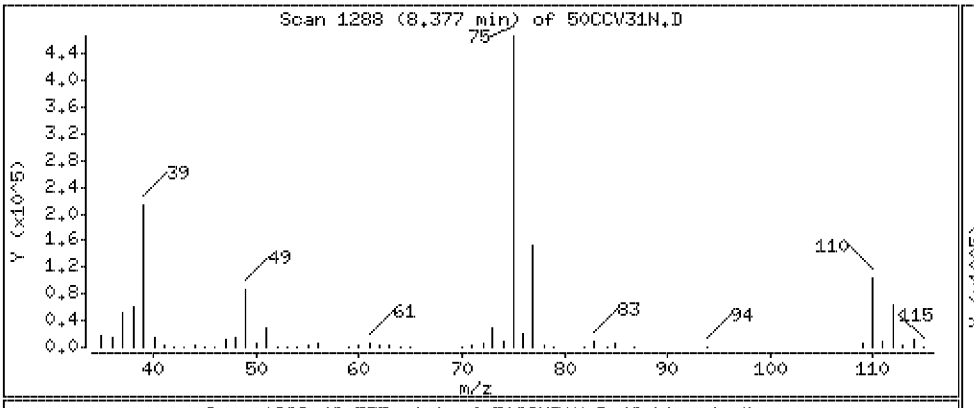
Client ID: 072710CCVA31 Instrument: vms03.i

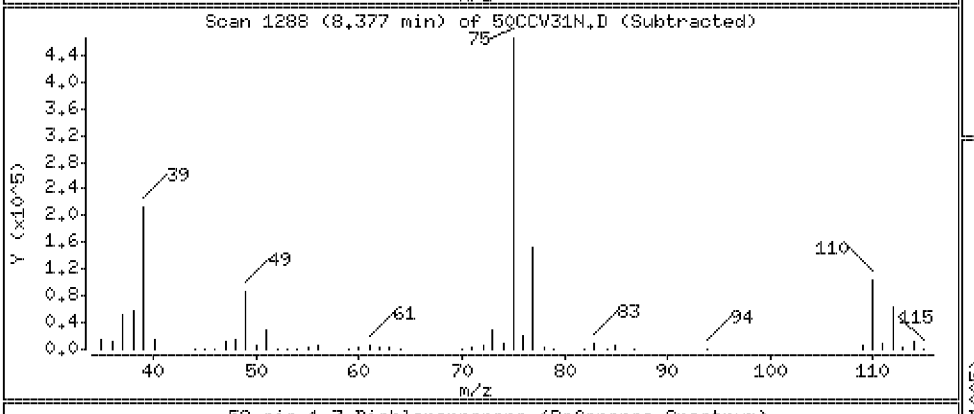
Sample Info: 072710CCVA31

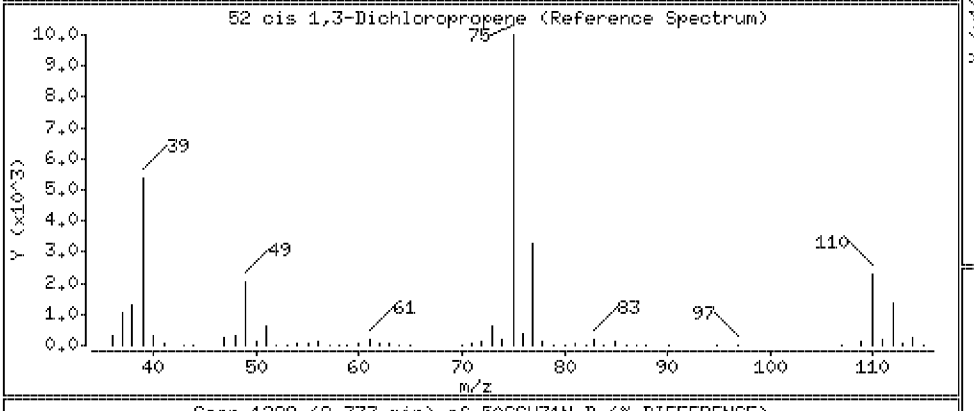
Purge Volume: 5.0 Operator:

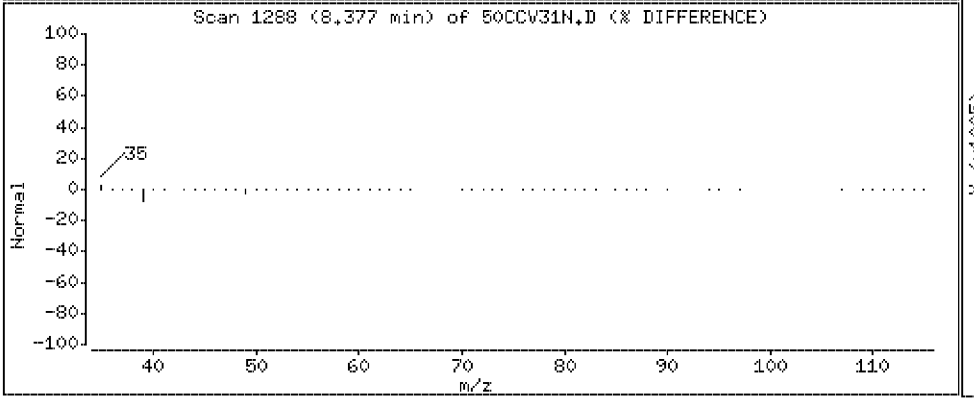
Column phase: RTX-502.2 Column diameter: 0.18

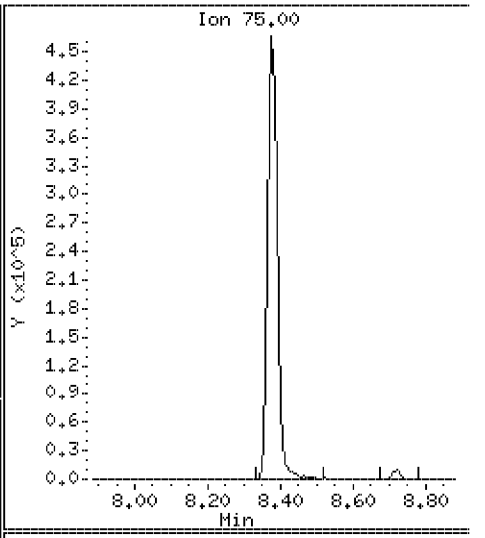
52 cis 1,3-Dichloropropene Concentration: 57.6 ug/l

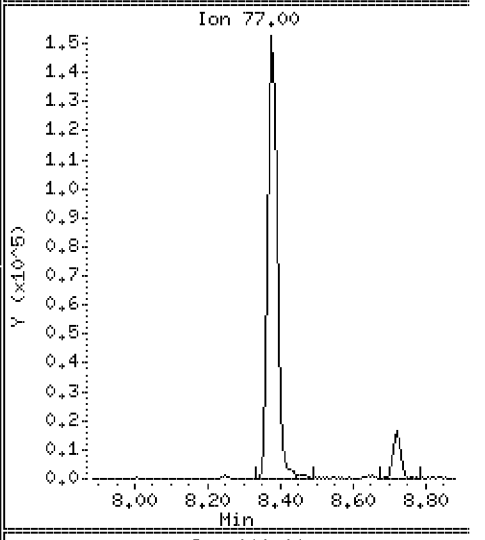


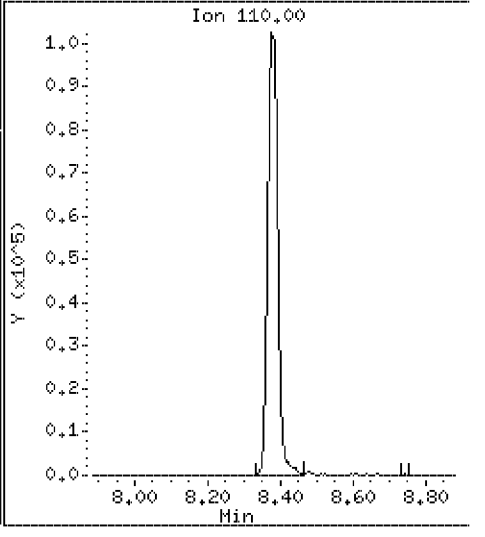












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

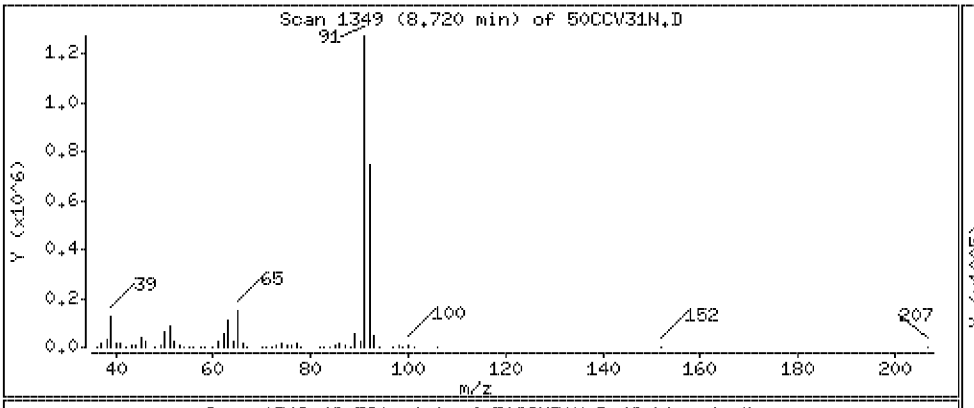
Operator:

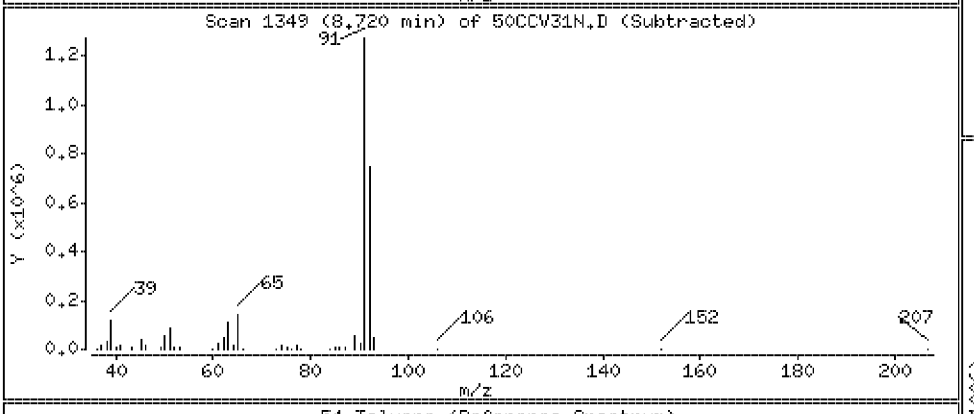
Column phase: RTX-502.2

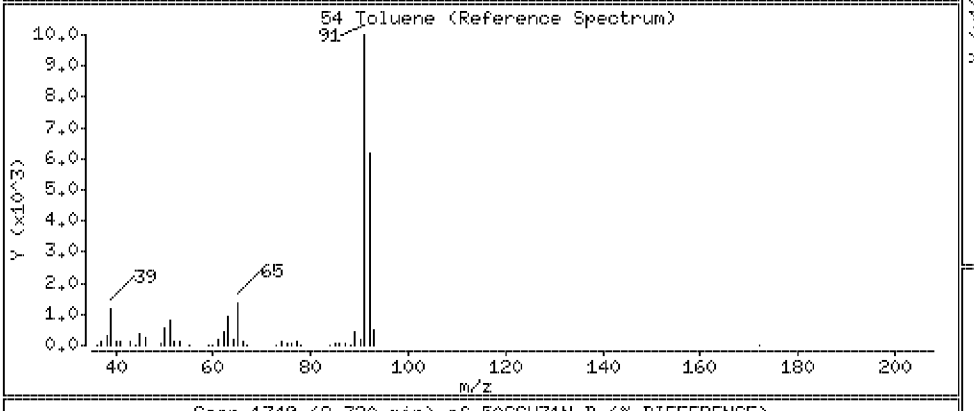
Column diameter: 0.18

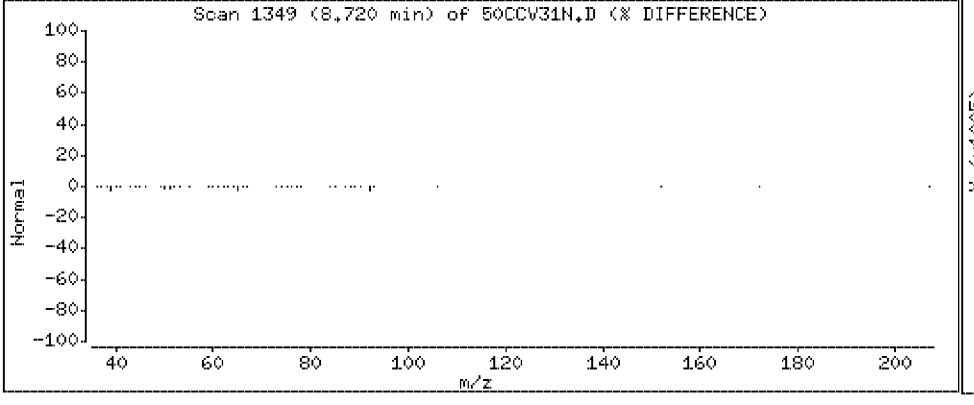
54 Toluene

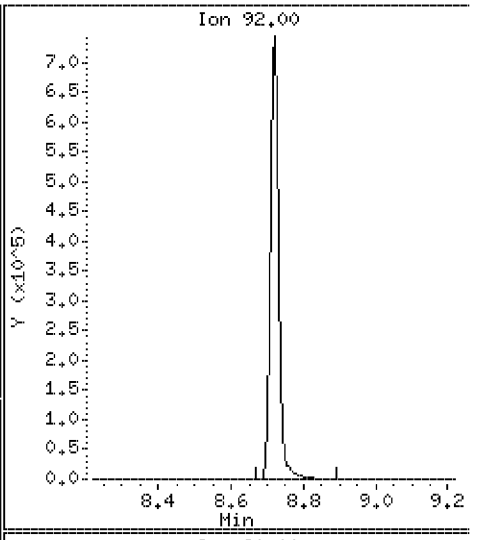
Concentration: 55.3 ug/l

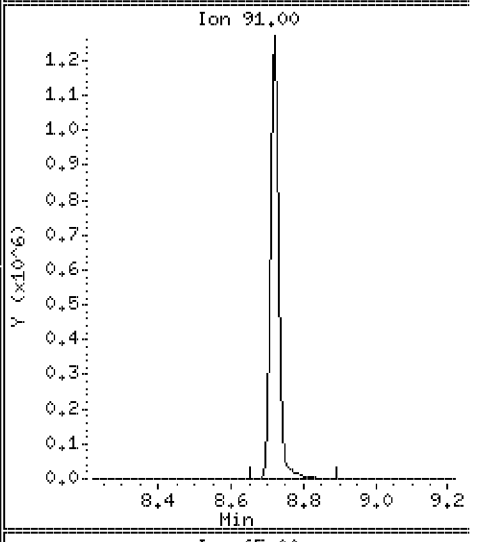


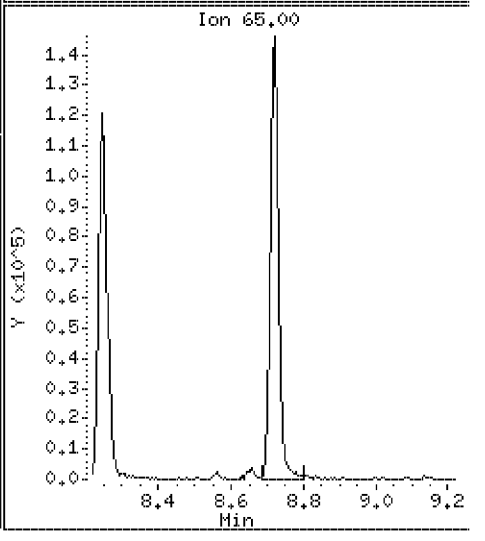












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

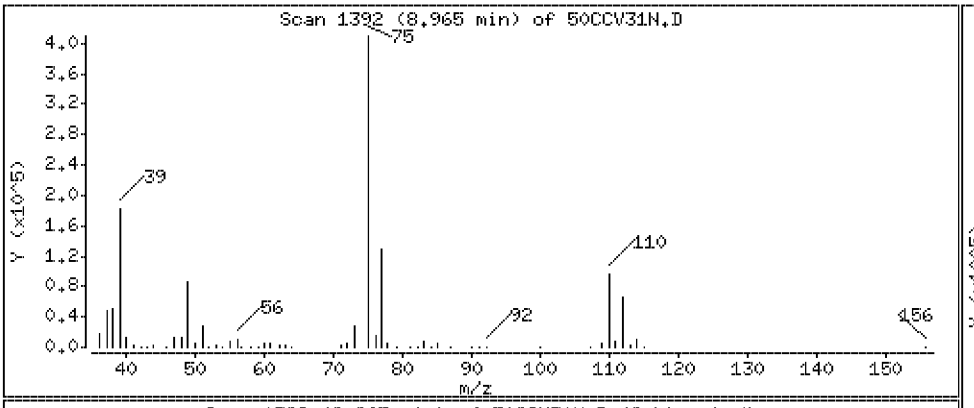
Operator:

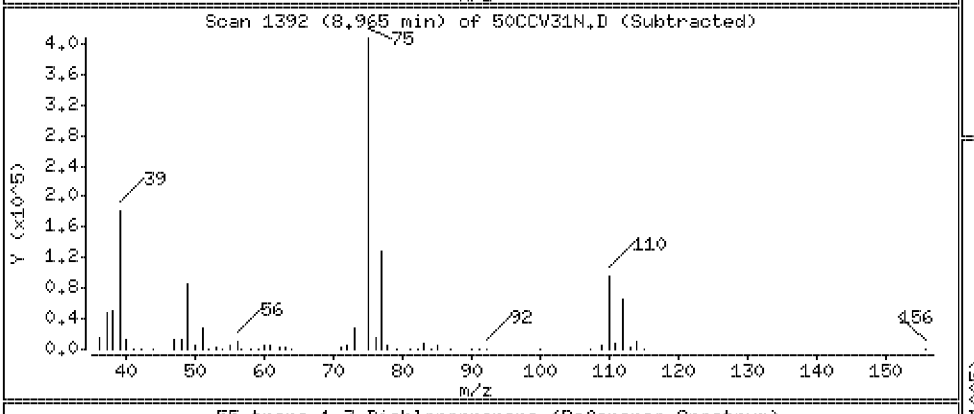
Column phase: RTX-502.2

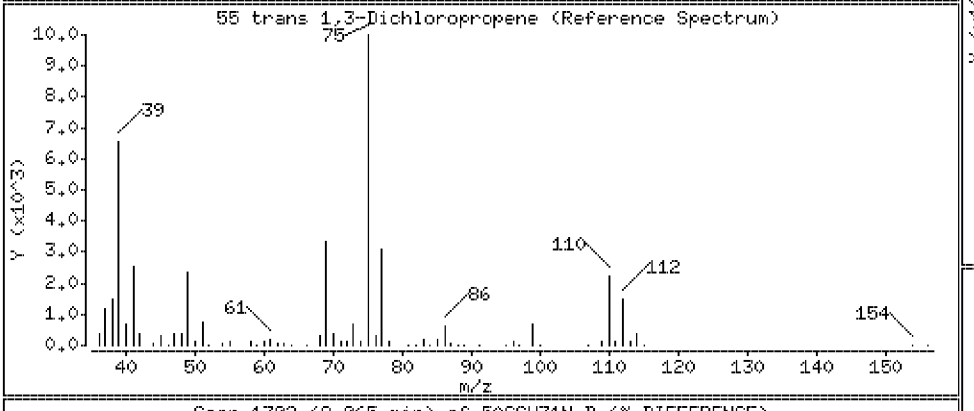
Column diameter: 0.18

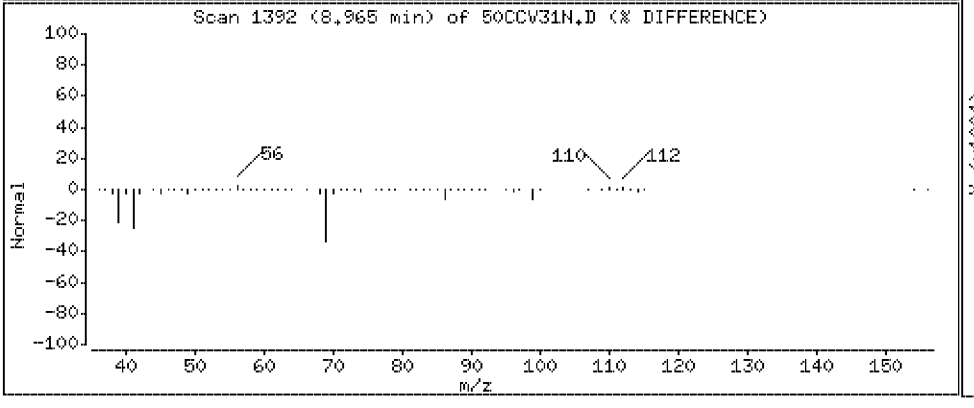
55 trans 1,3-Dichloropropene

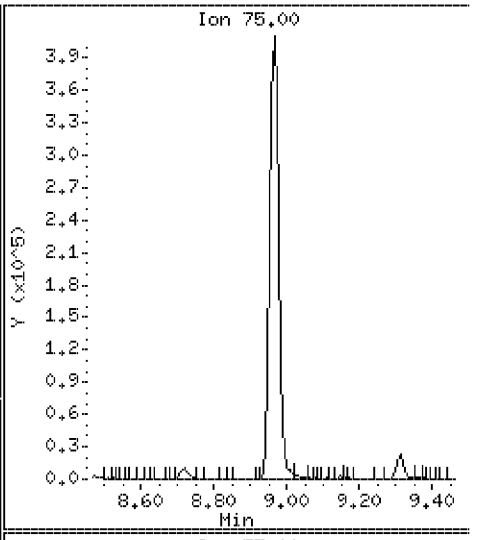
Concentration: 48.2 ug/l

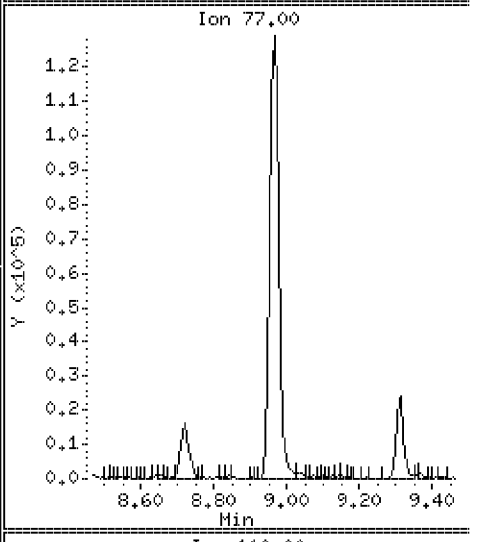


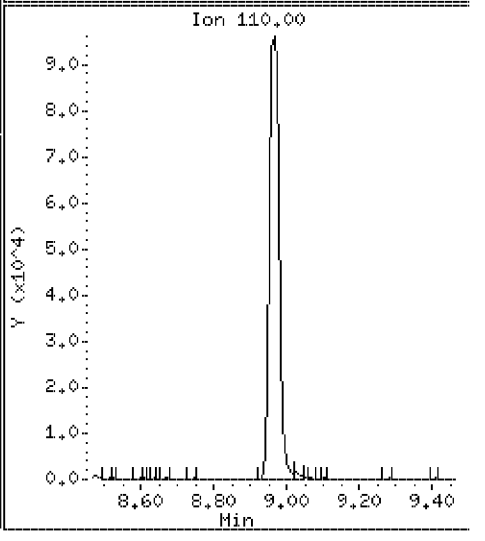












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

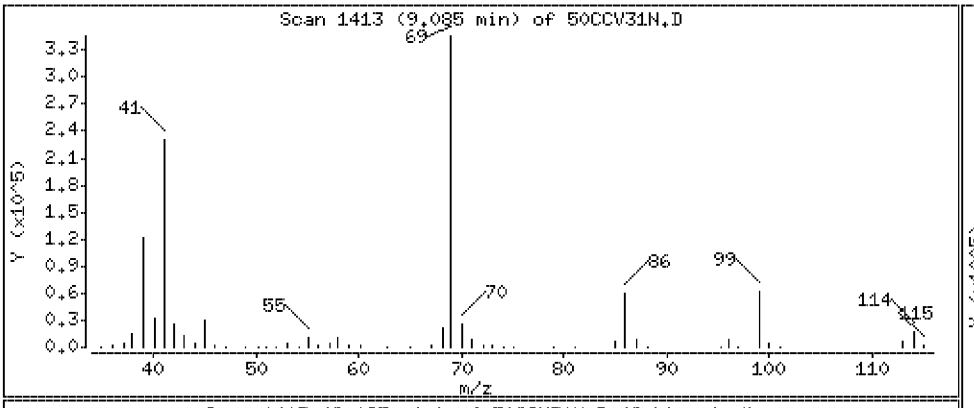
Operator:

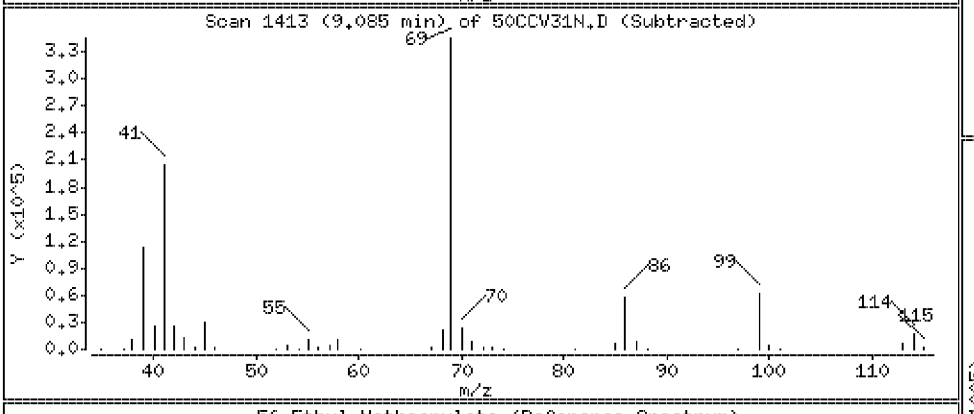
Column phase: RTX-502.2

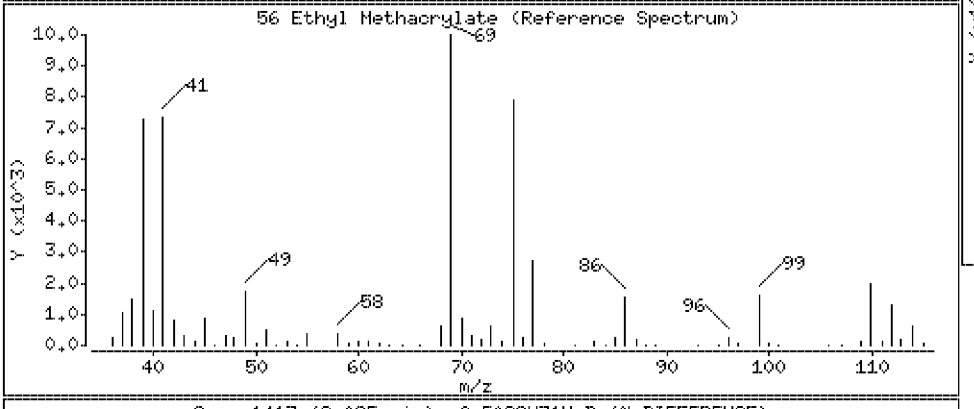
Column diameter: 0.18

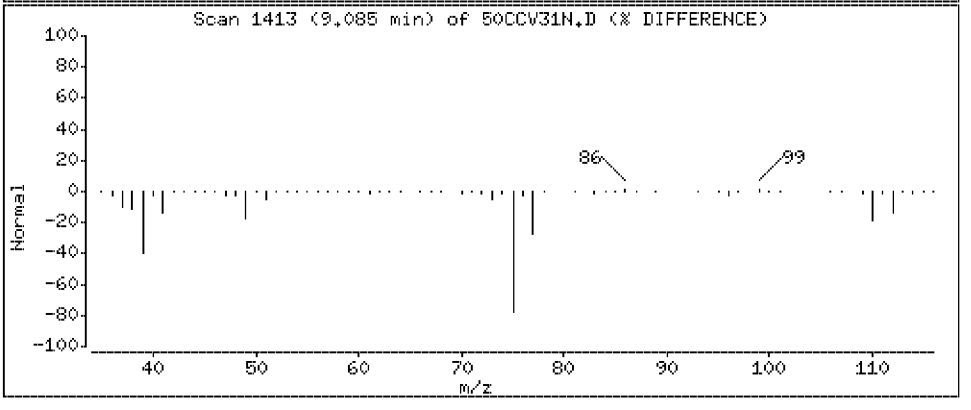
56 Ethyl Methacrylate

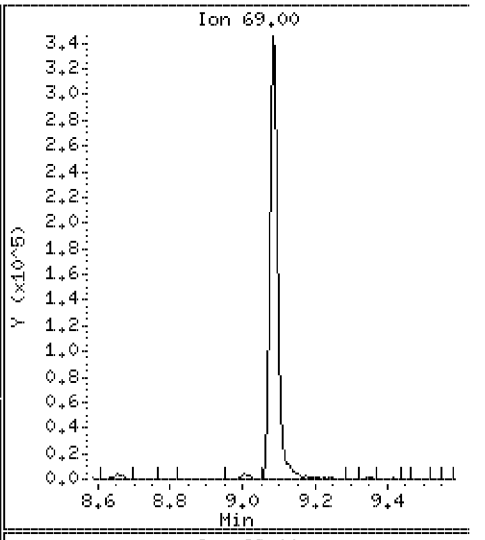
Concentration: 48.0 ug/l

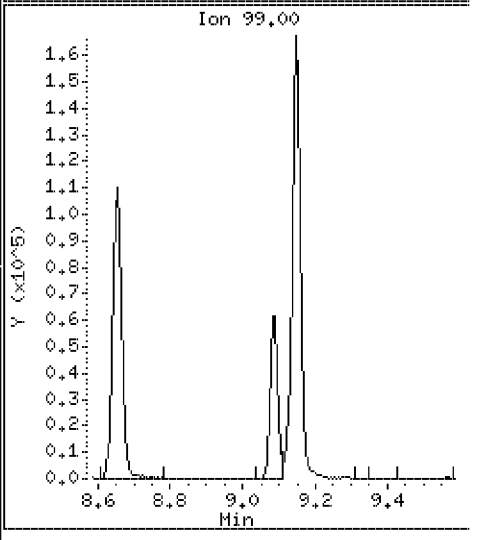












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

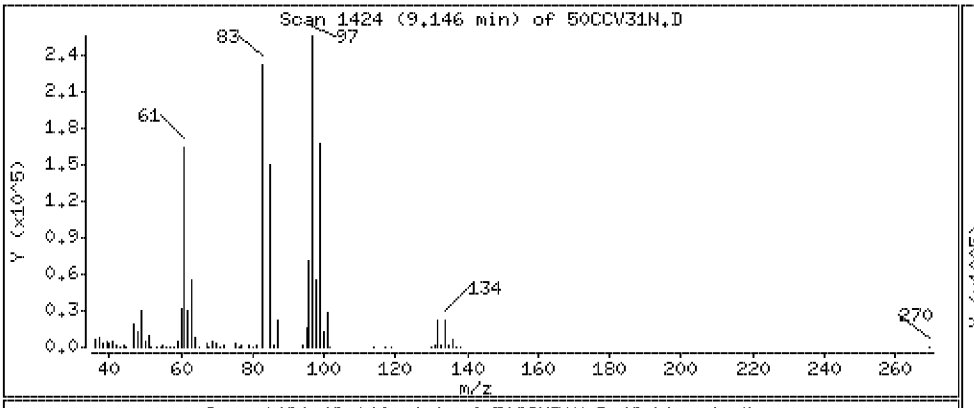
Operator:

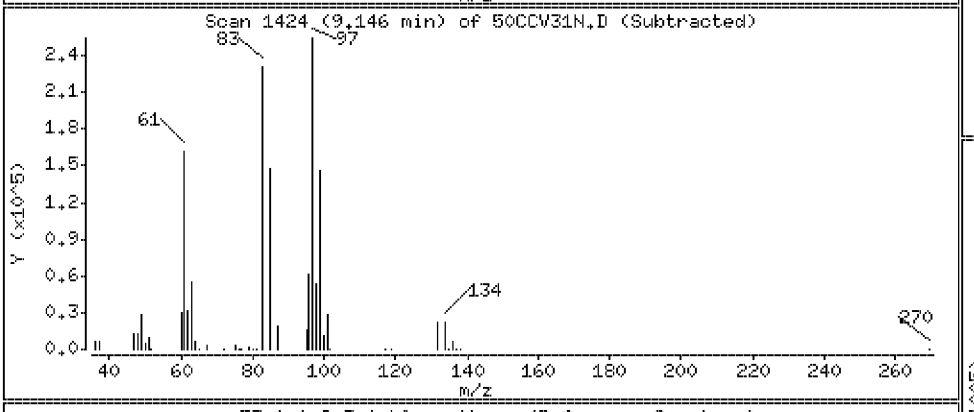
Column phase: RTX-502.2

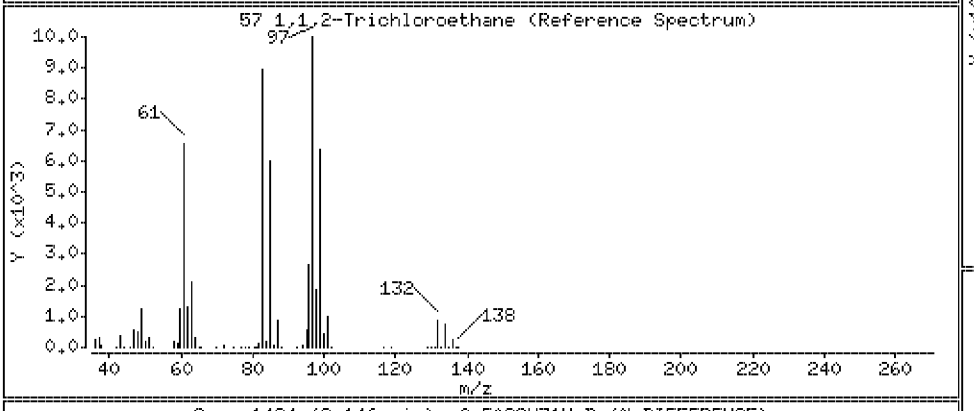
Column diameter: 0.18

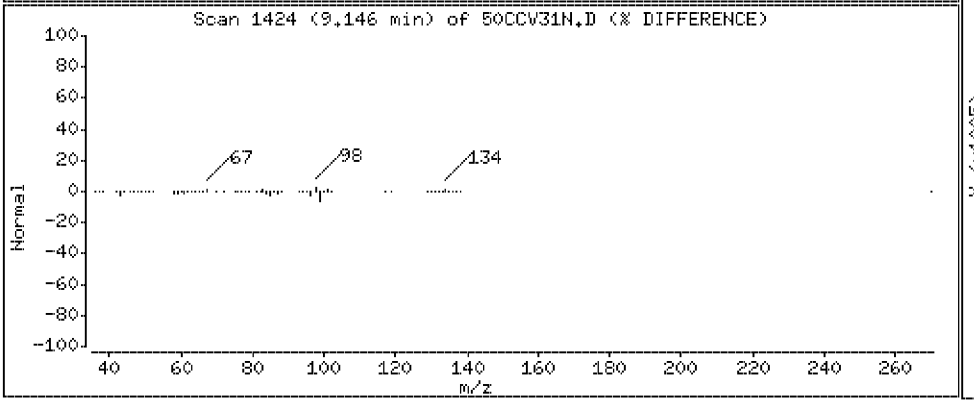
57 1,1,2-Trichloroethane

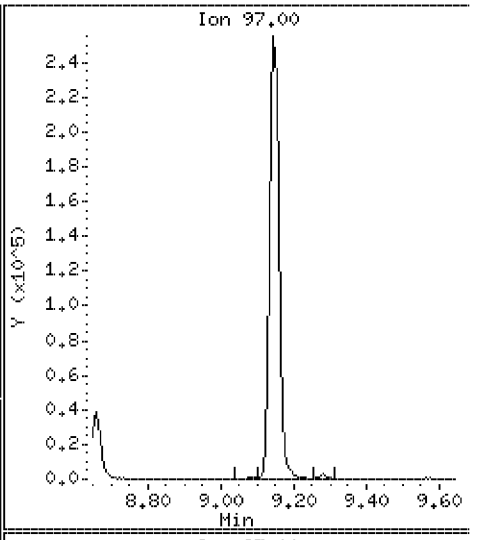
Concentration: 50.6 ug/l

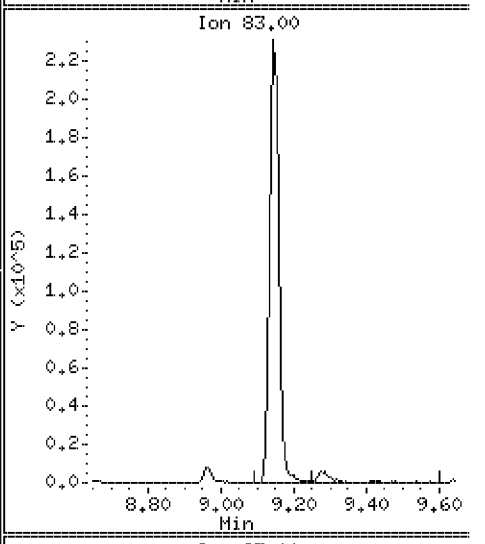


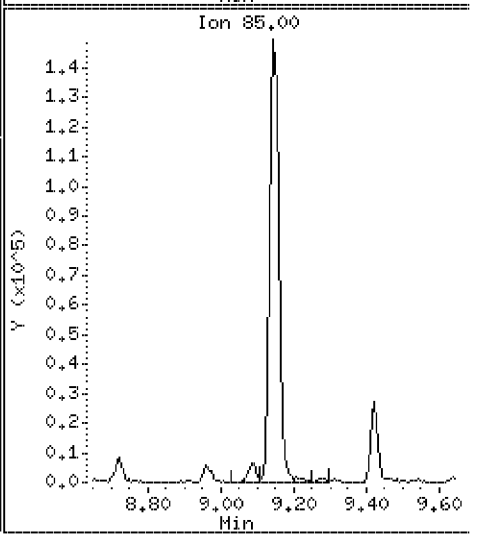












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

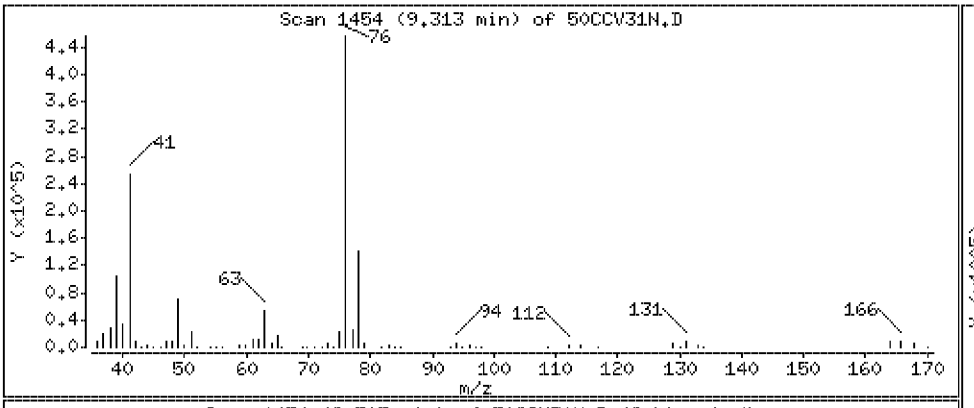
Operator:

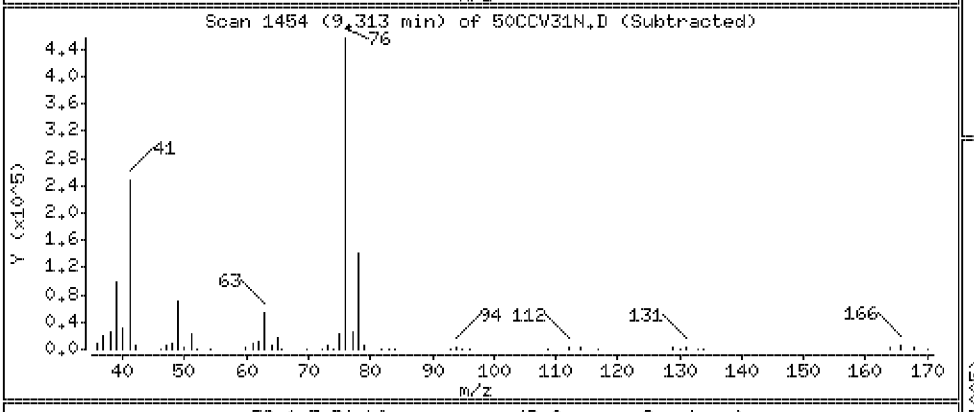
Column phase: RTX-502.2

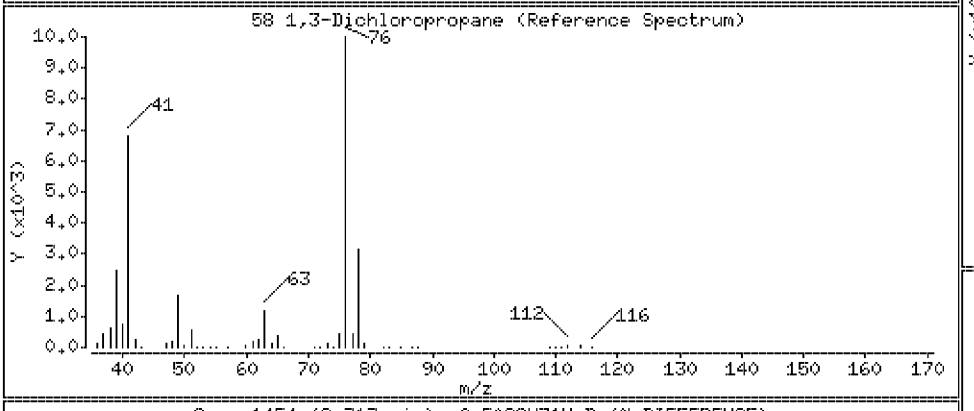
Column diameter: 0.18

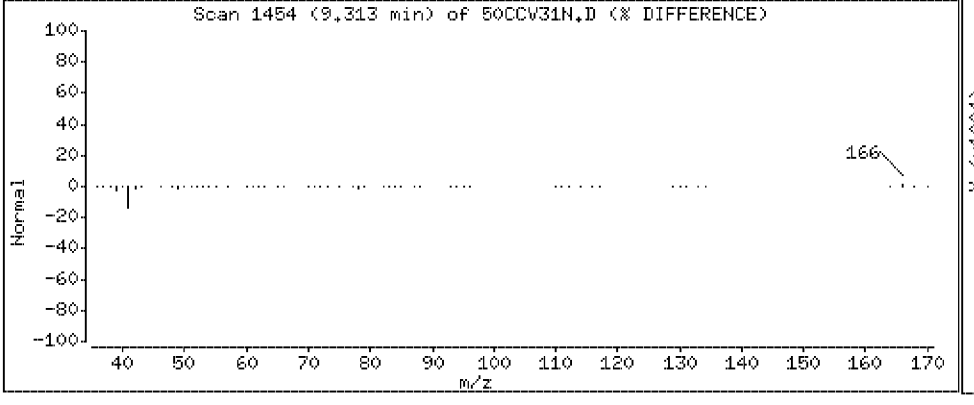
58 1,3-Dichloropropane

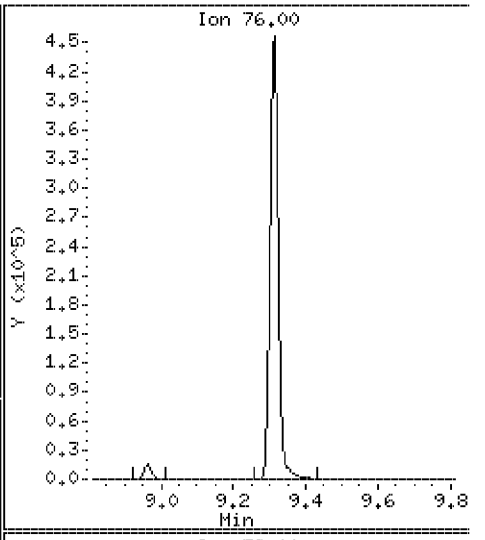
Concentration: 52.5 ug/l

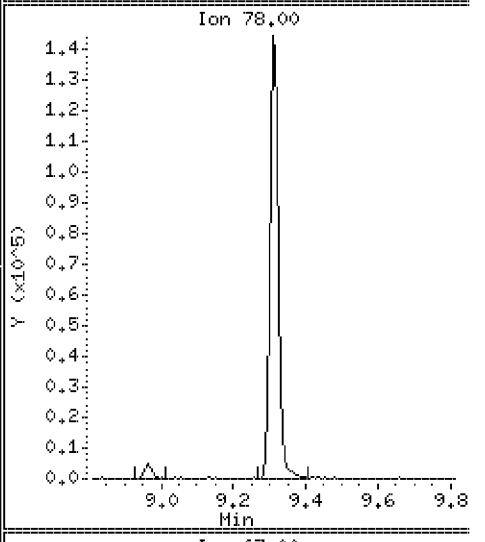


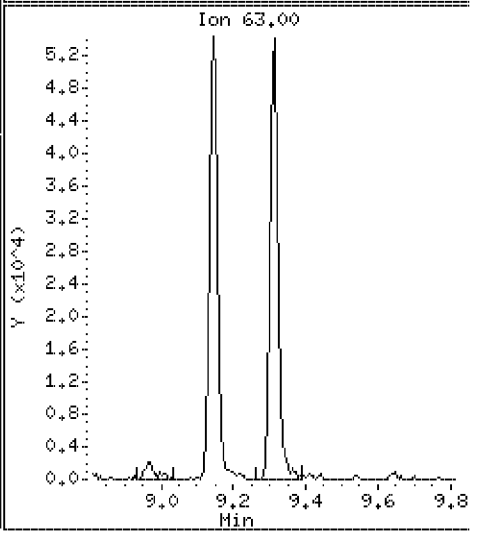












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

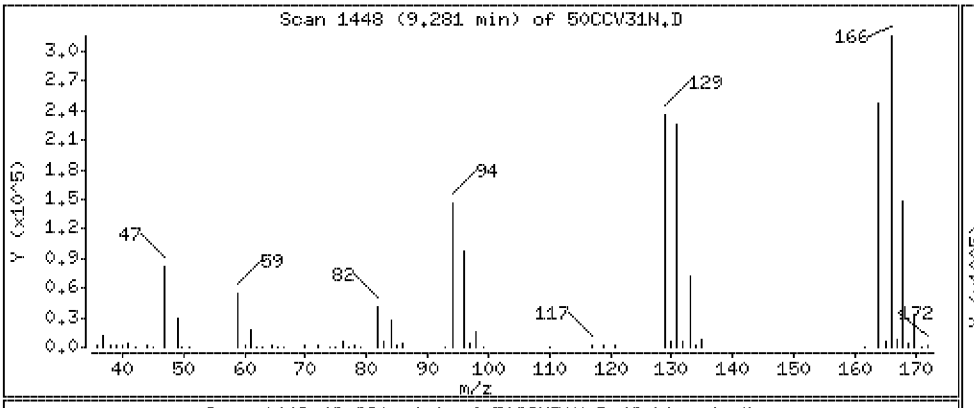
Client ID: 072710CCVA31 Instrument: vms03.i

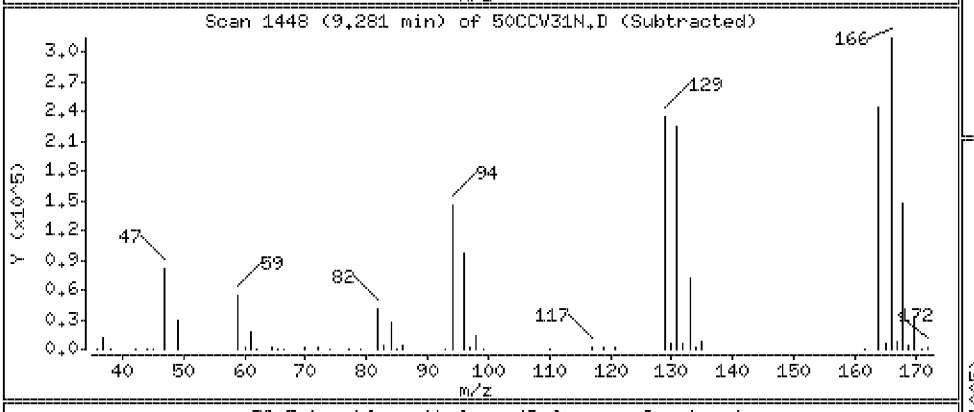
Sample Info: 072710CCVA31

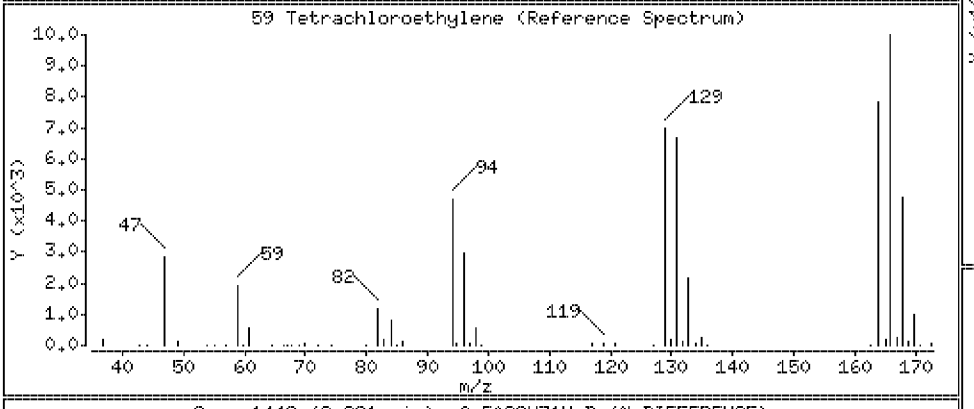
Purge Volume: 5.0 Operator:

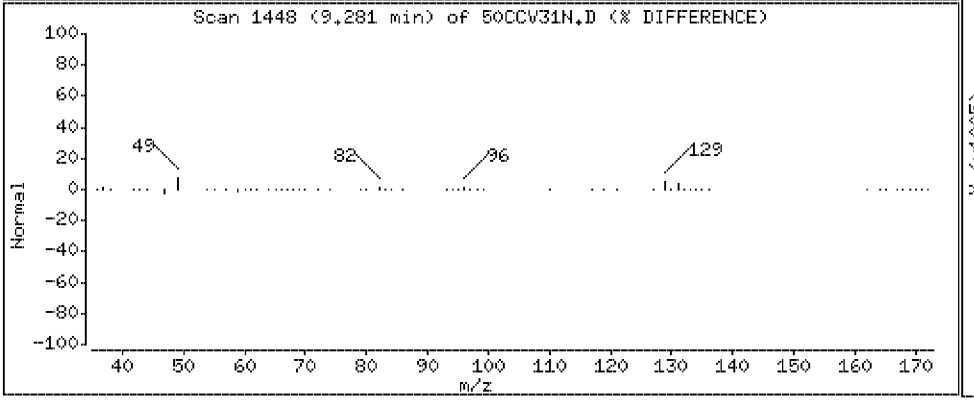
Column phase: RTX-502.2 Column diameter: 0.18

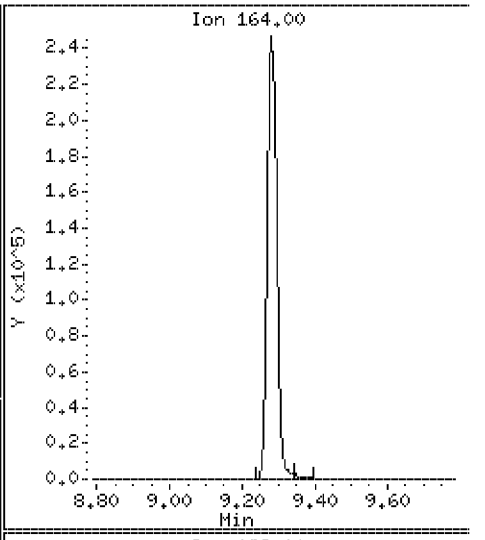
59 Tetrachloroethylene Concentration: 54.9 ug/l

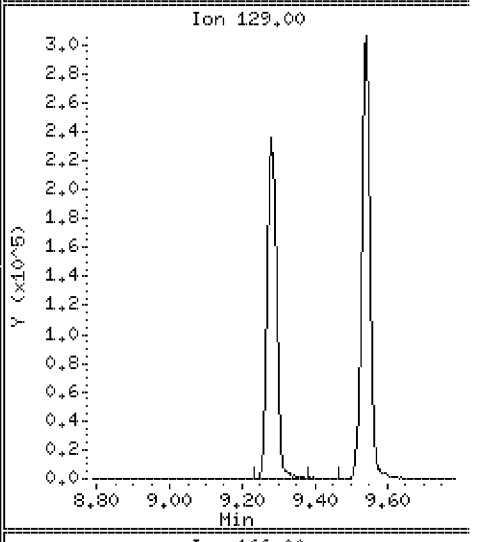


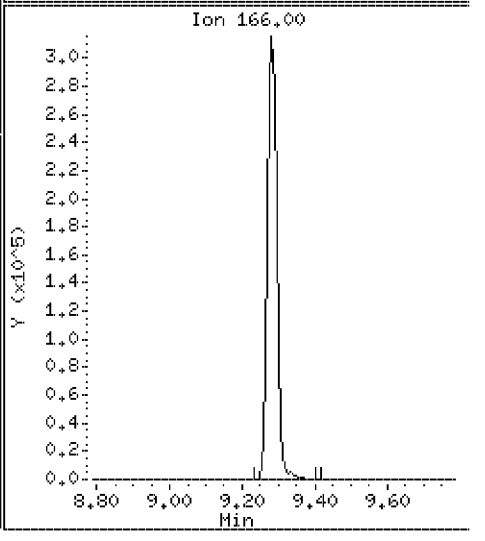












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

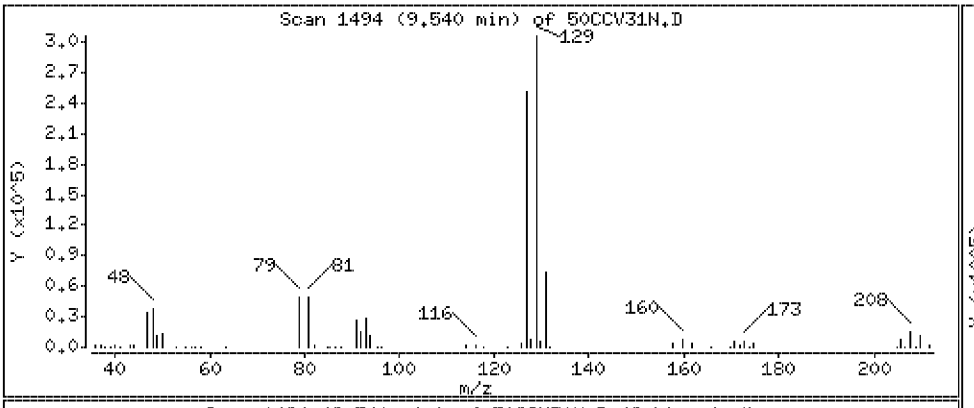
Operator:

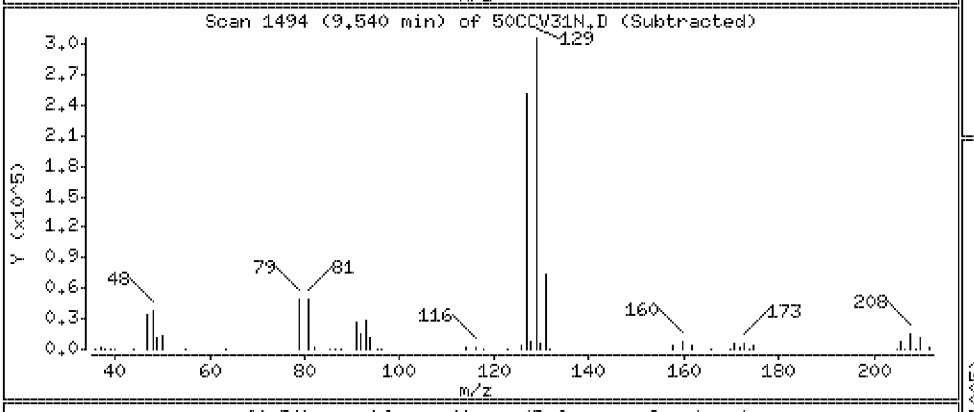
Column phase: RTX-502.2

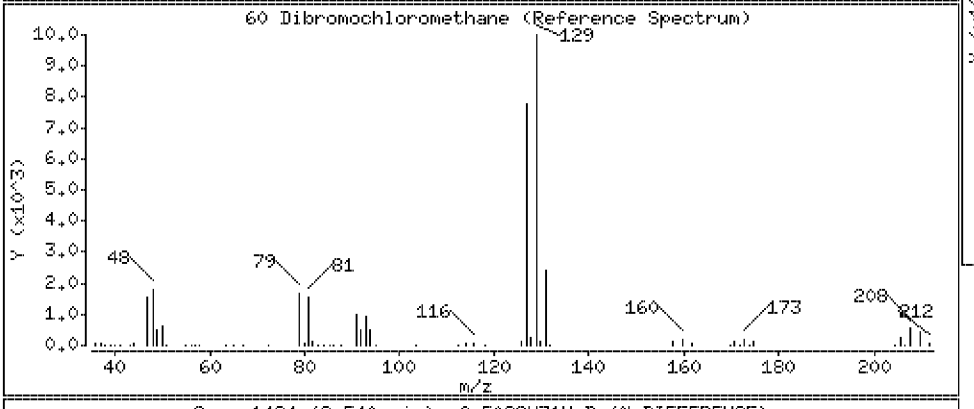
Column diameter: 0.18

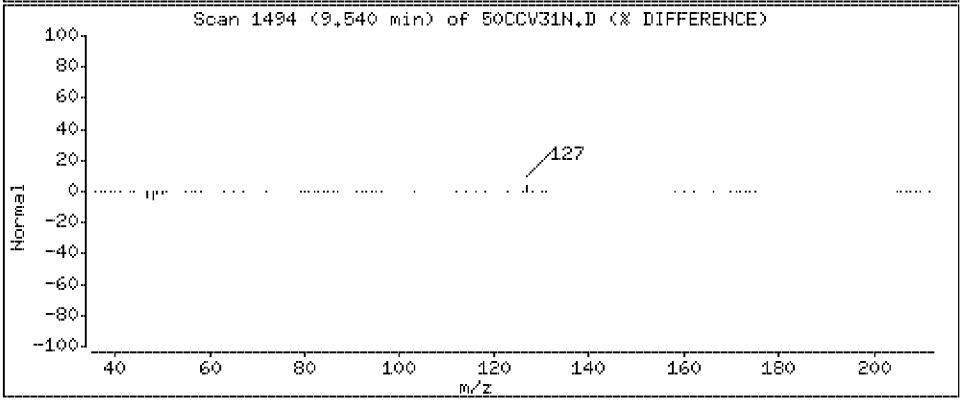
60 Dibromochloromethane

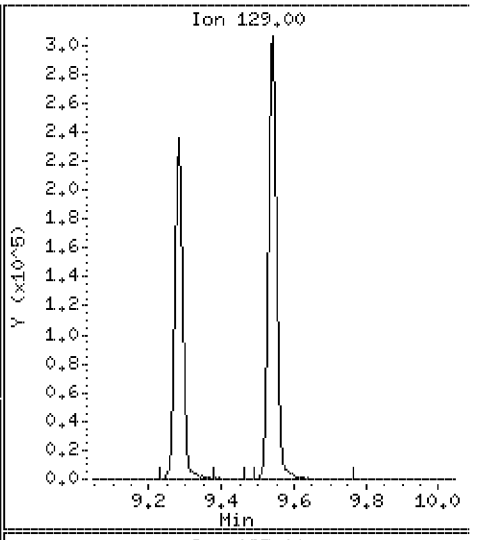
Concentration: 54.1 ug/l

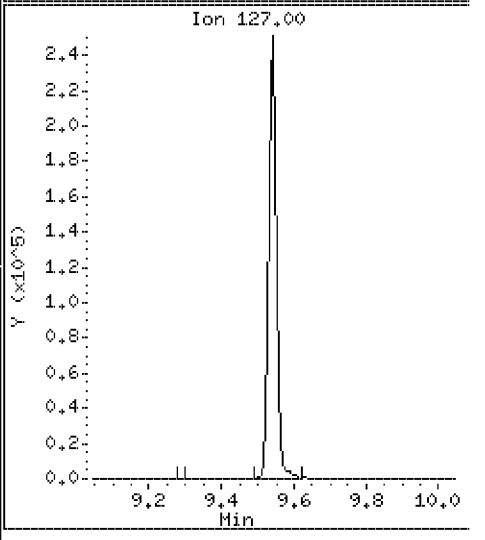












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

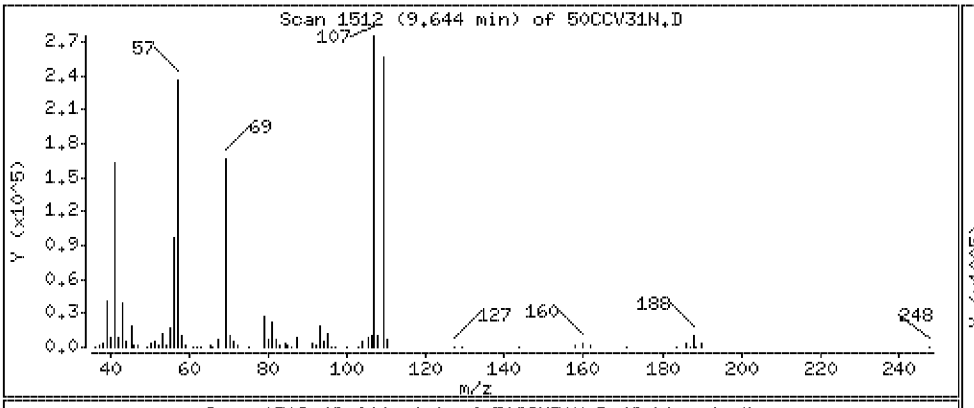
Operator:

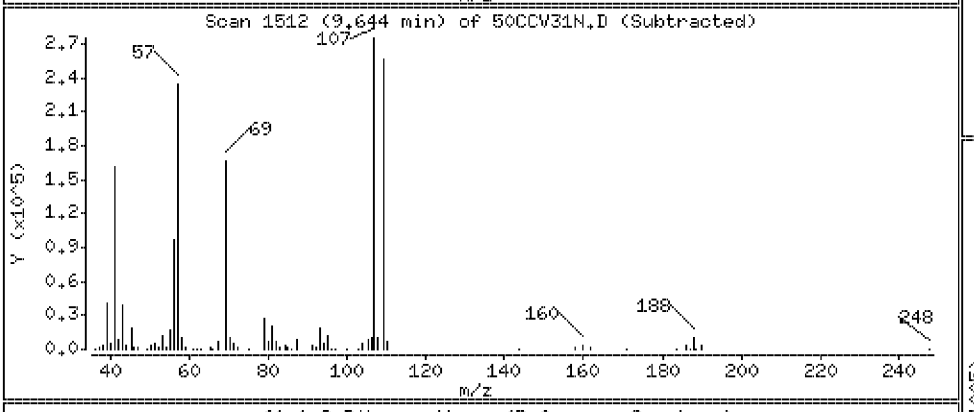
Column phase: RTX-502.2

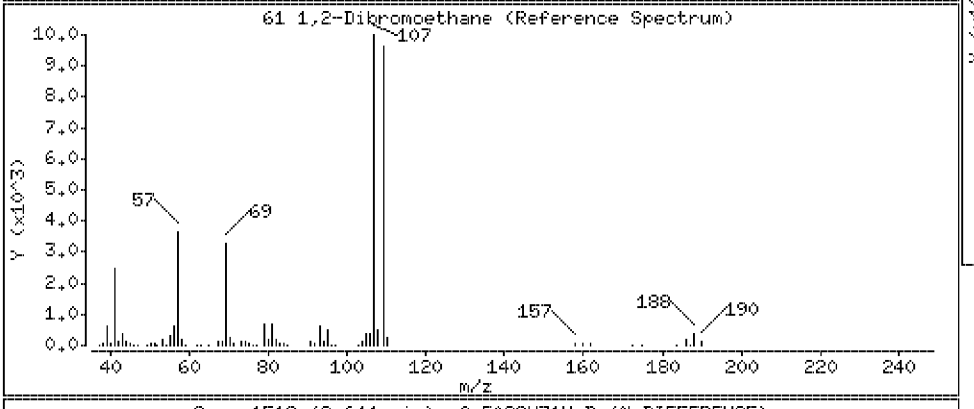
Column diameter: 0.18

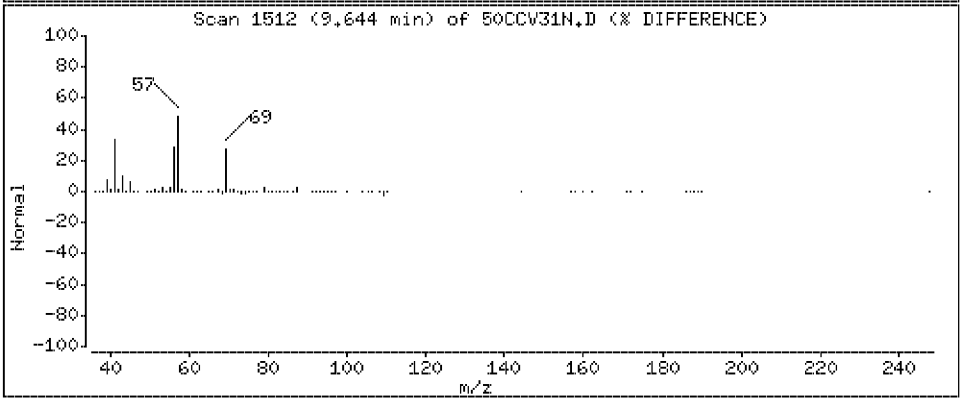
61 1,2-Dibromoethane

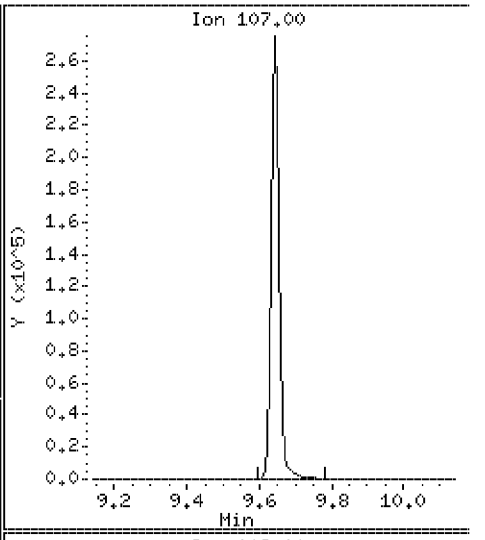
Concentration: 51.5 ug/l

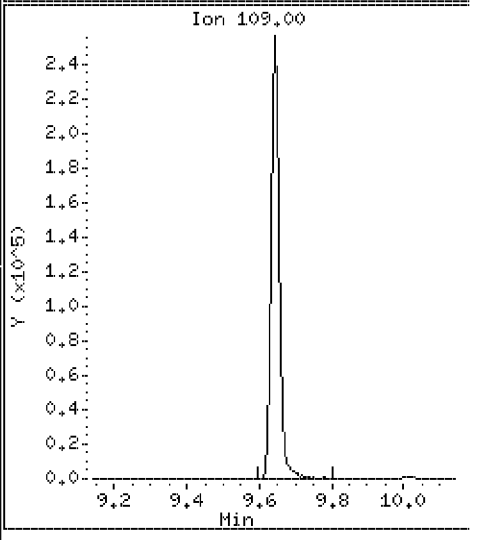












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

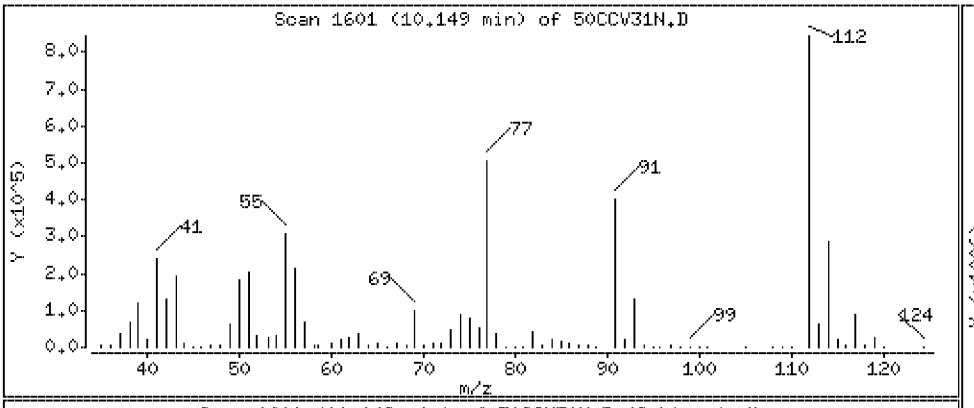
Operator:

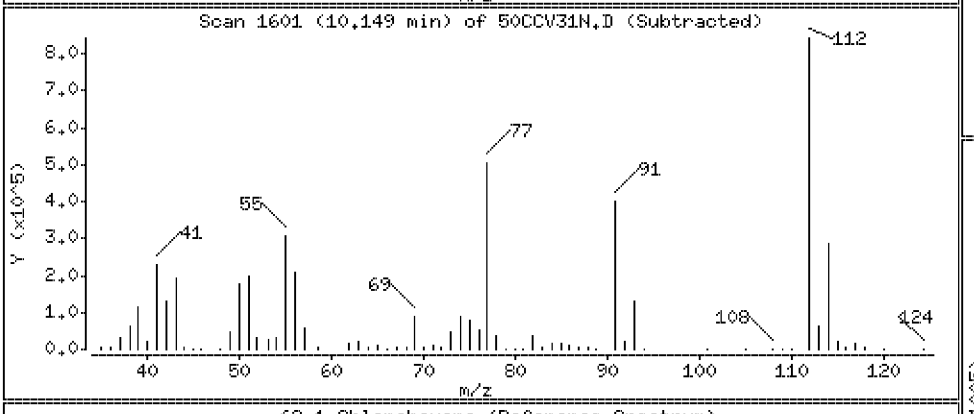
Column phase: RTX-502.2

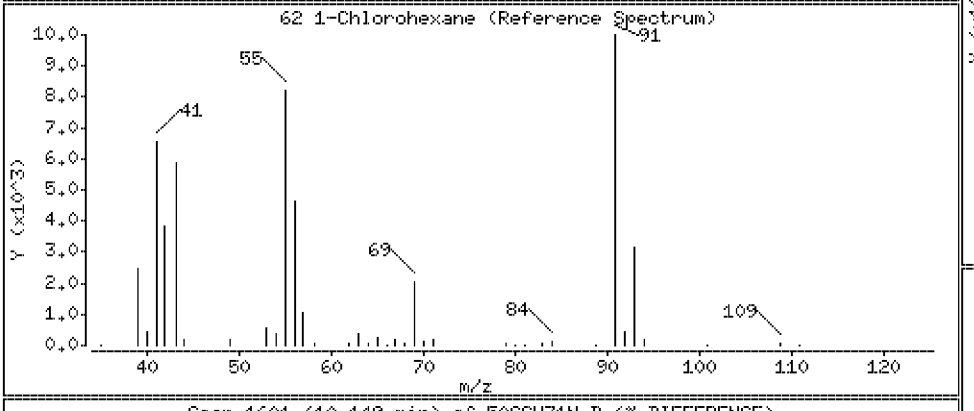
Column diameter: 0.18

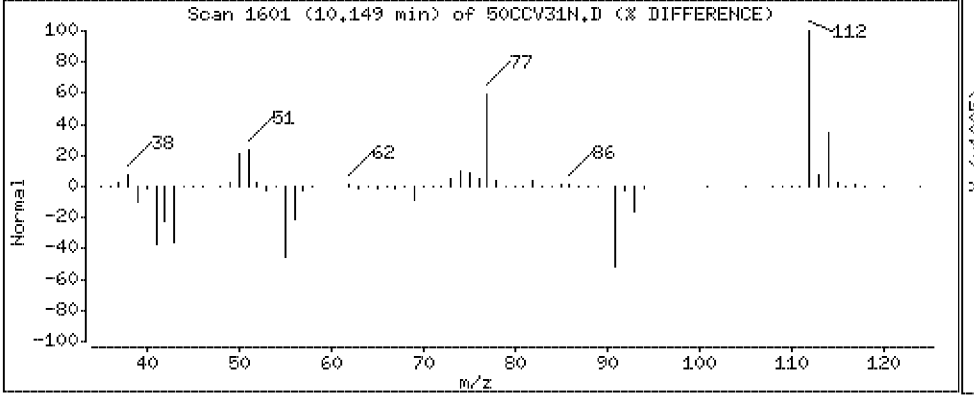
62 1-Chlorohexane

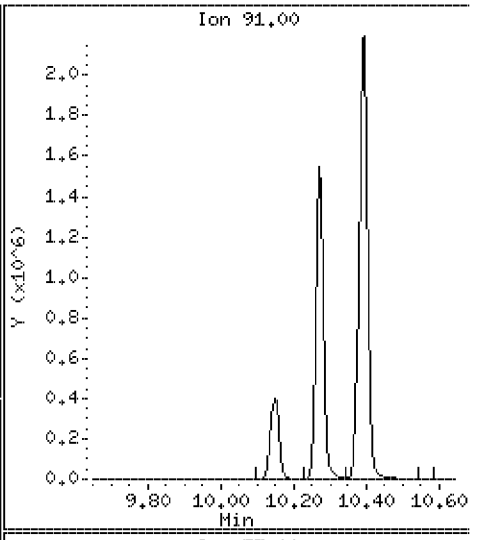
Concentration: 52.3 ug/l

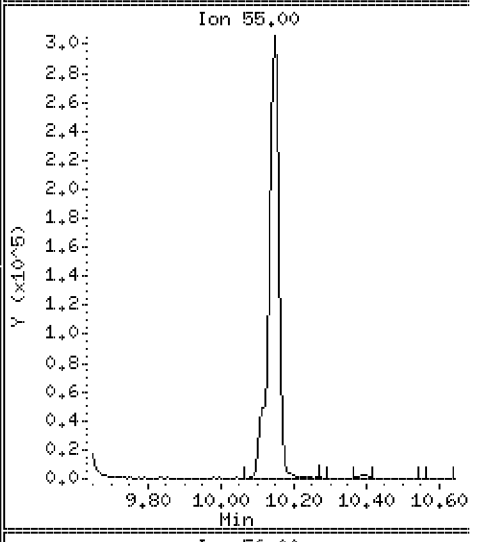


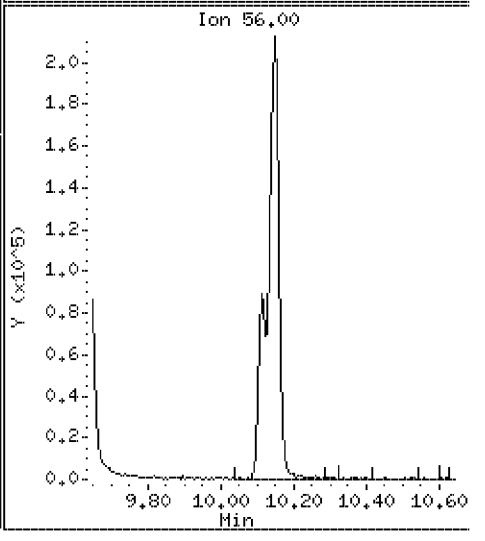












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

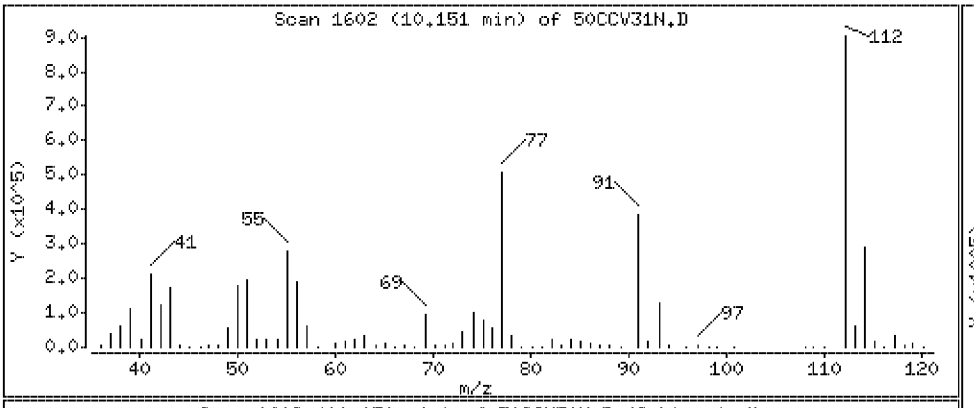
Operator:

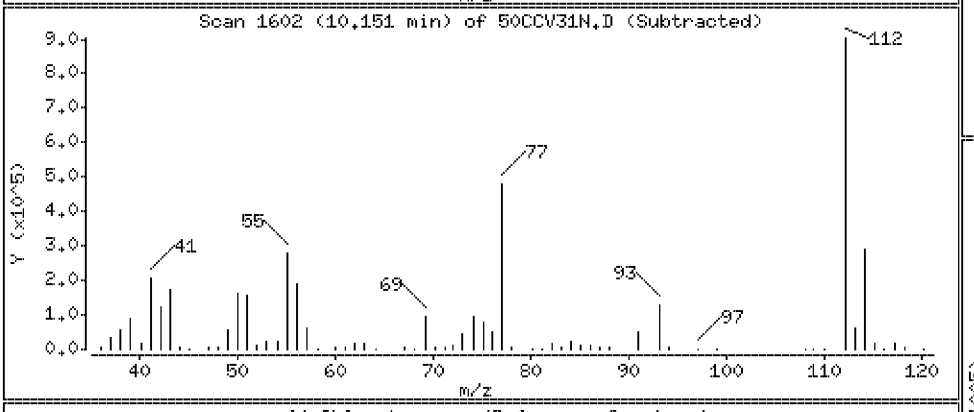
Column phase: RTX-502.2

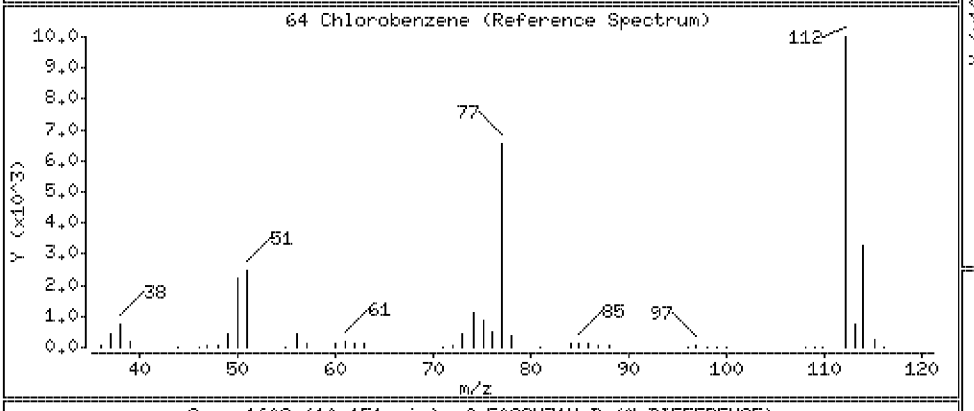
Column diameter: 0.18

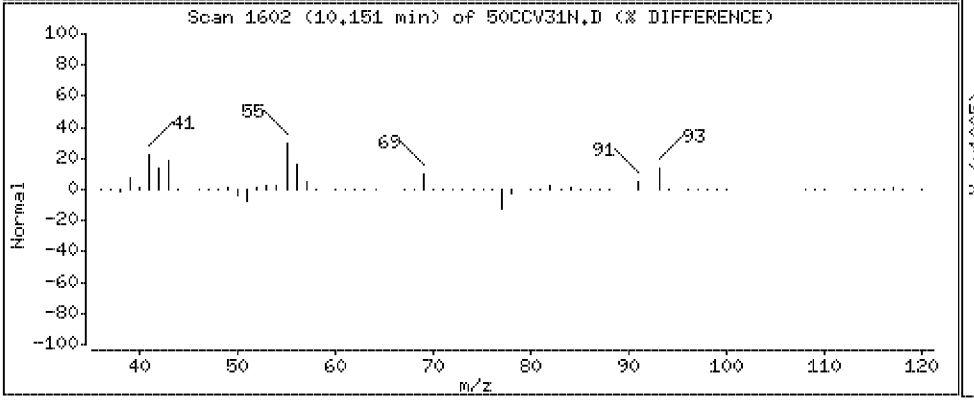
64 Chlorobenzene

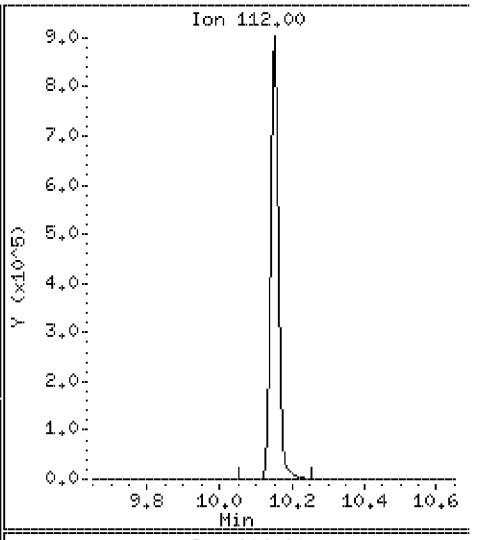
Concentration: 52.2 ug/l

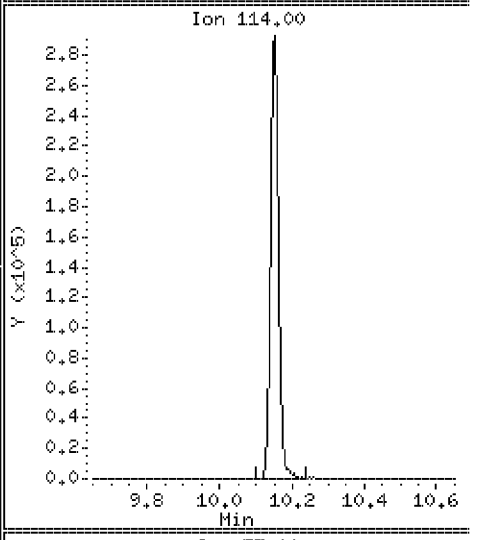


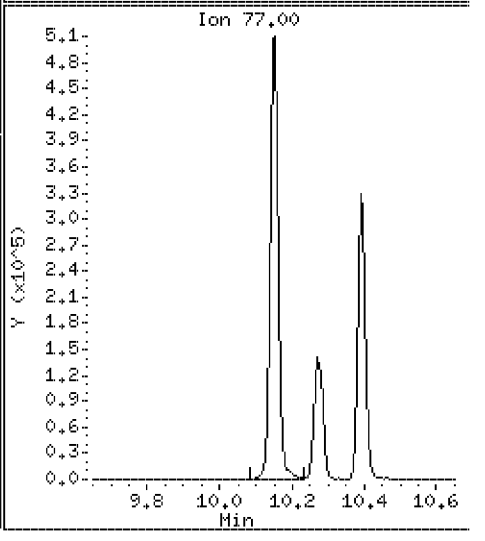












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

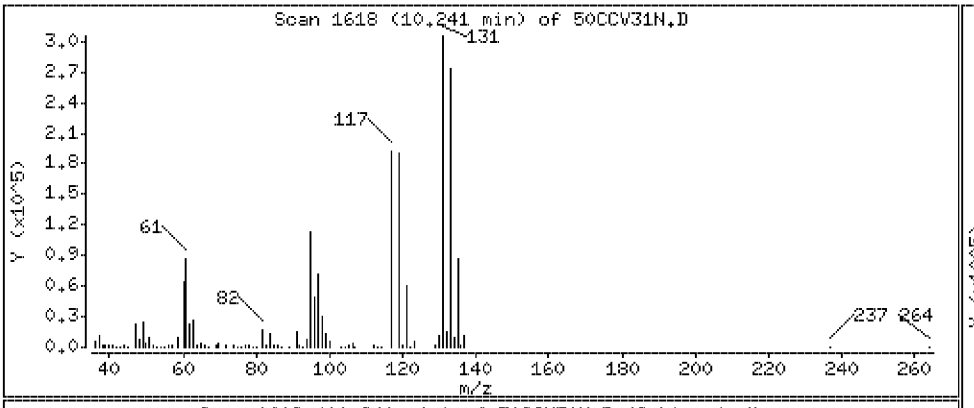
Operator:

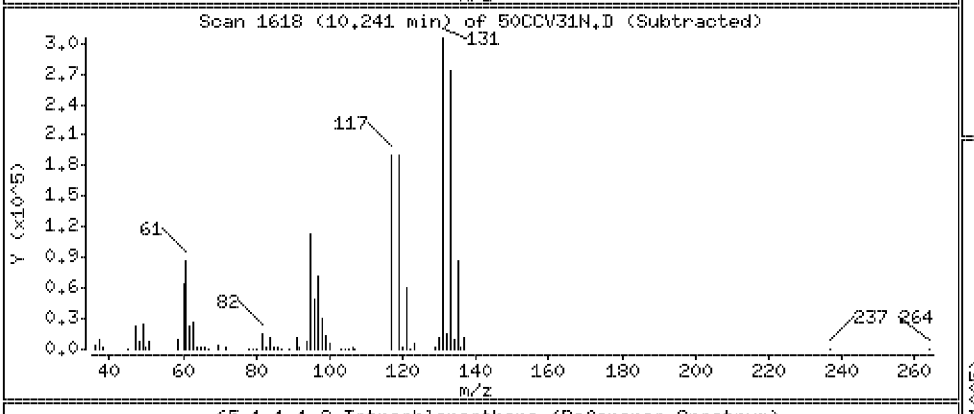
Column phase: RTX-502.2

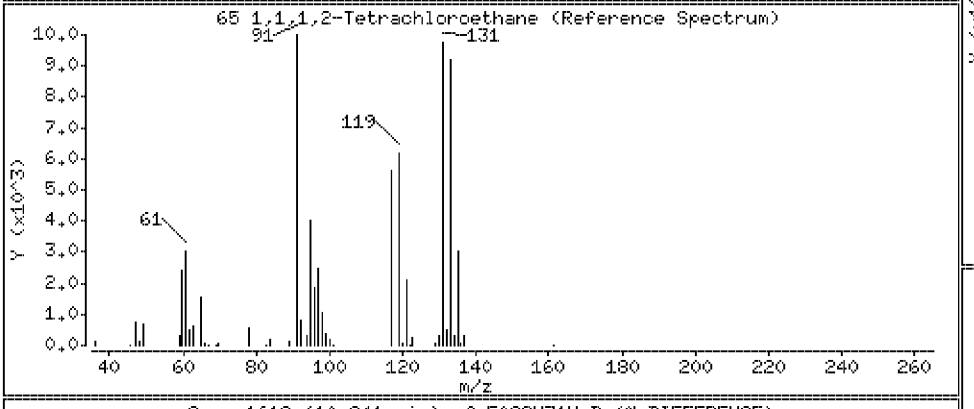
Column diameter: 0.18

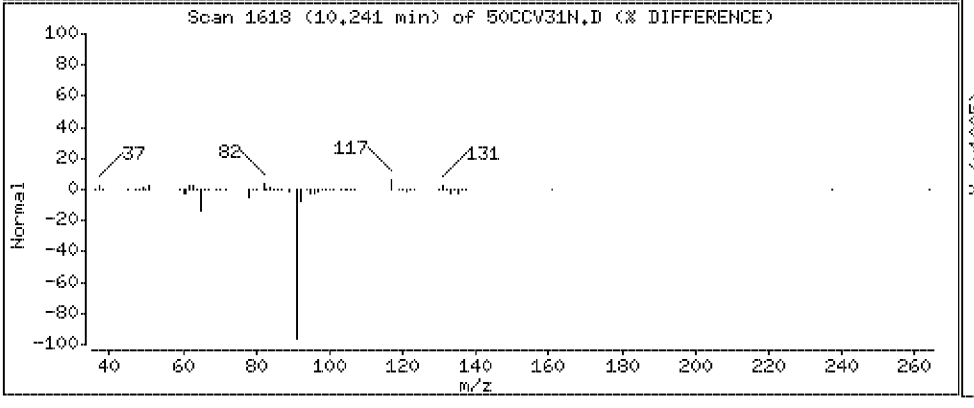
65 1,1,1,2-Tetrachloroethane

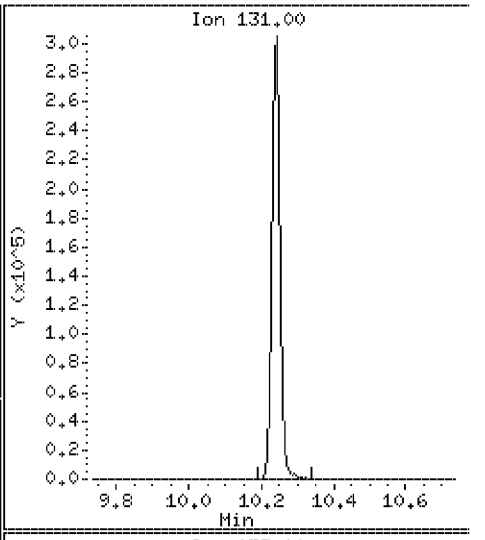
Concentration: 54.1 ug/l

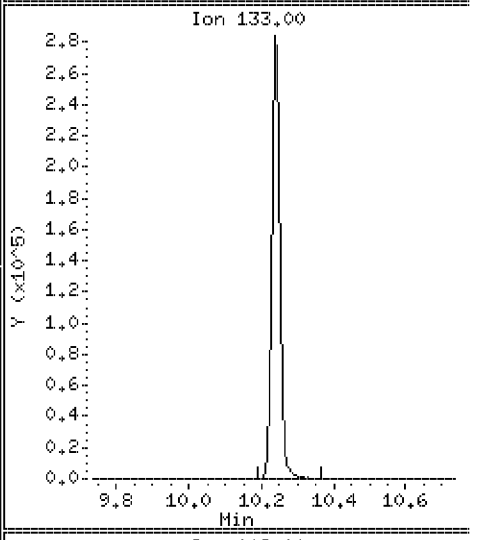


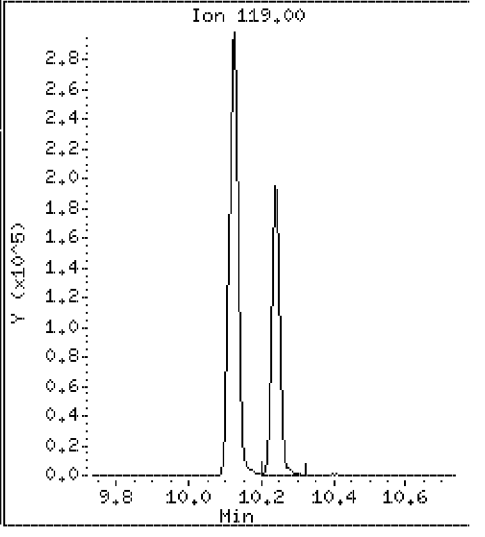












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

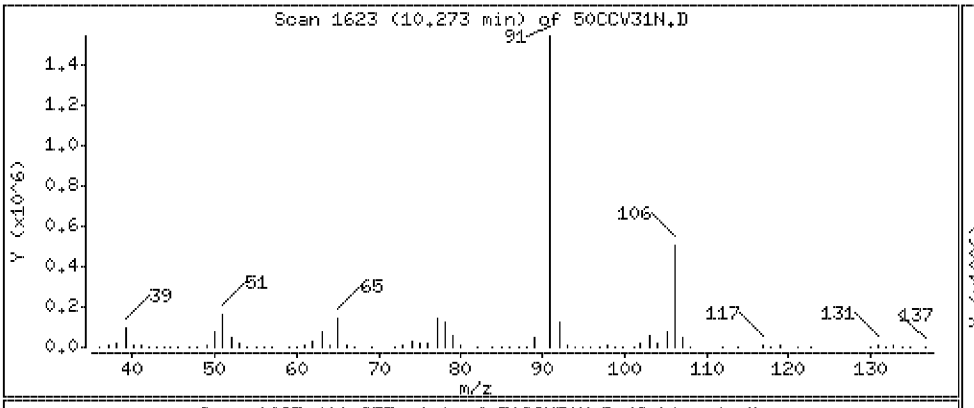
Operator:

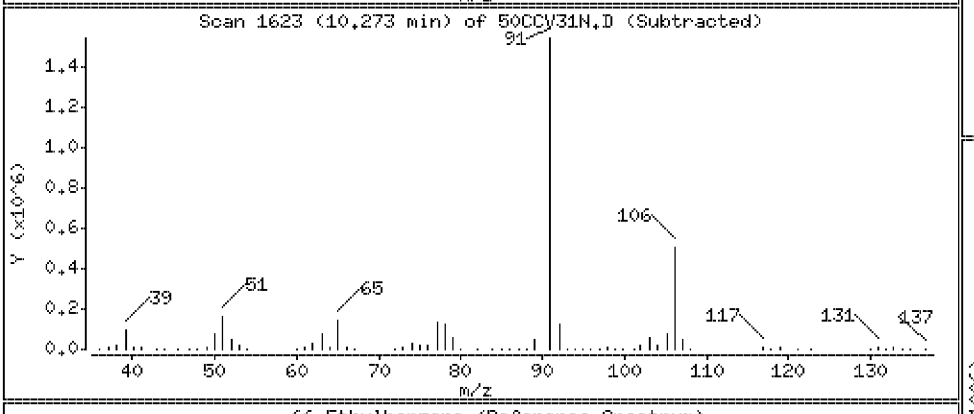
Column phase: RTX-502.2

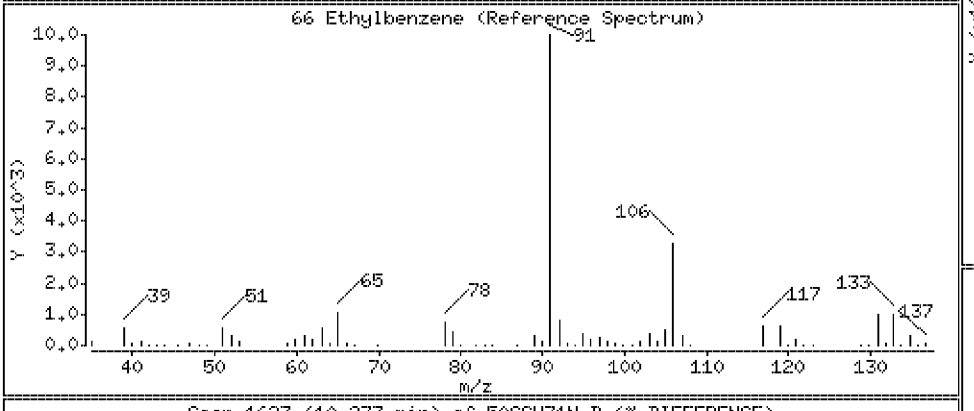
Column diameter: 0.18

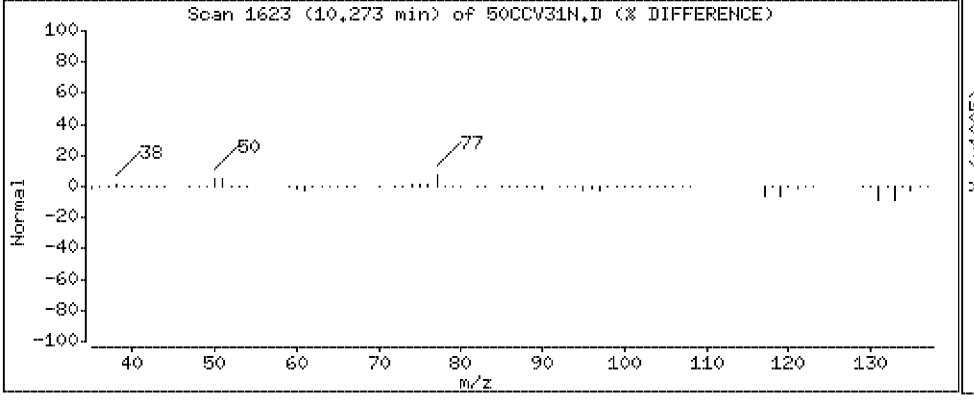
66 Ethylbenzene

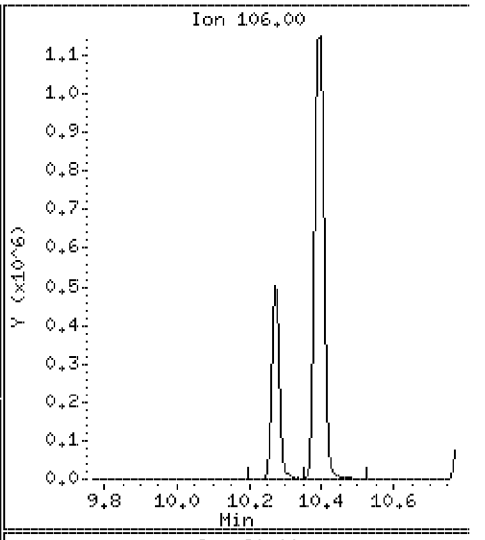
Concentration: 54.5 ug/l

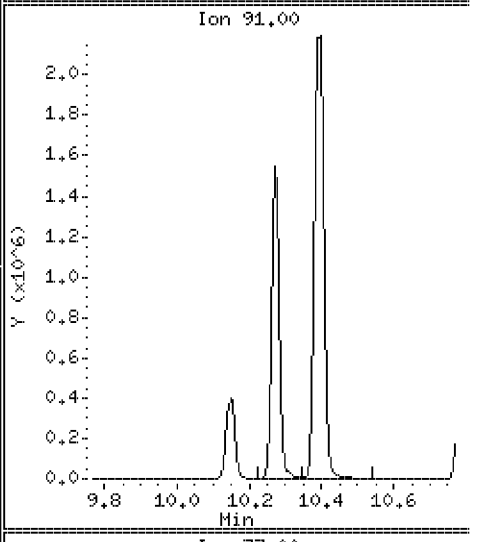


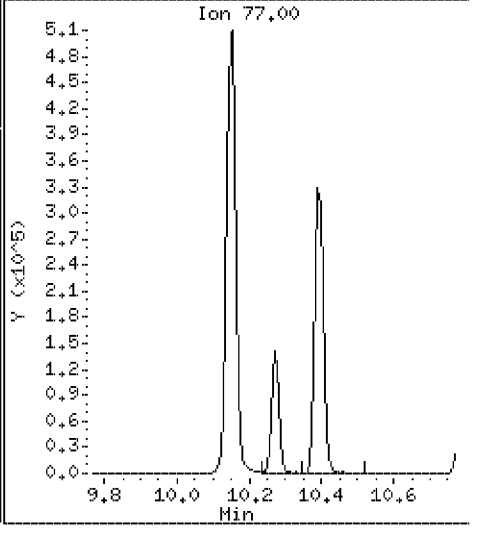












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

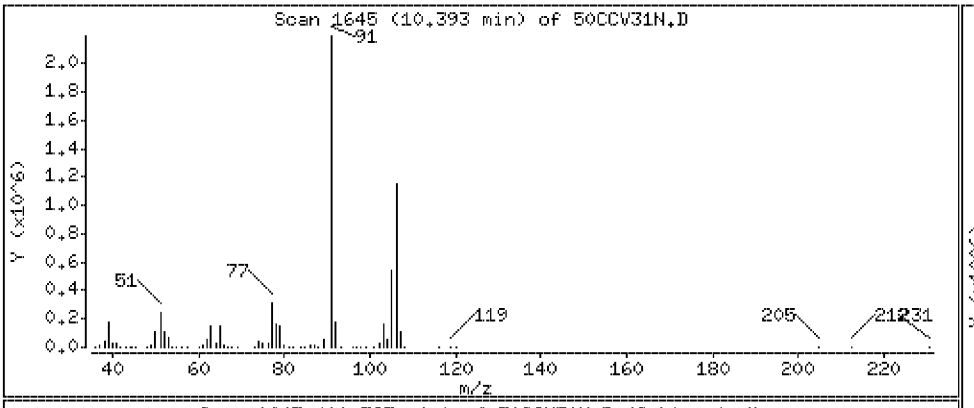
Operator:

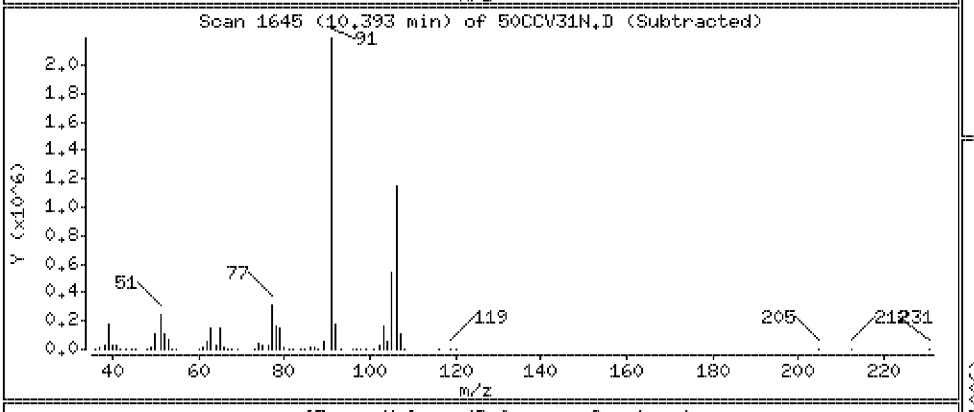
Column phase: RTX-502.2

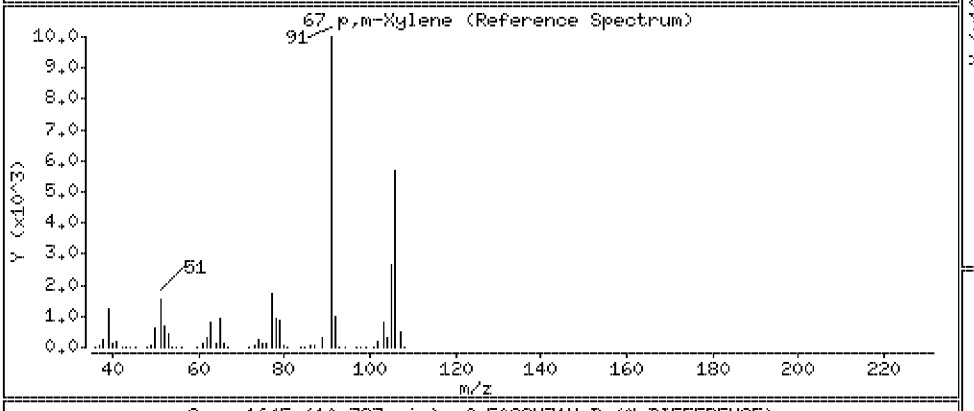
Column diameter: 0.18

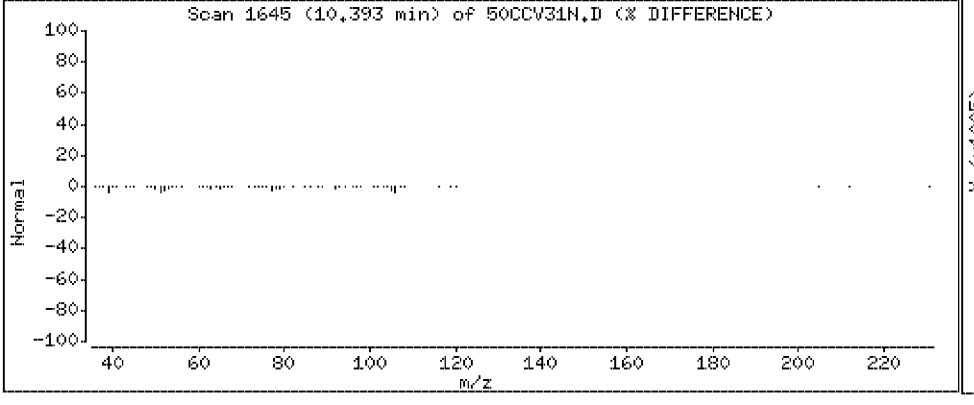
67 p,m-Xylene

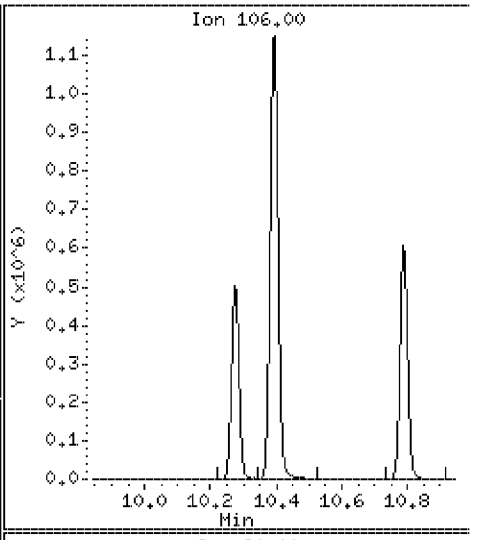
Concentration: 110 ug/l

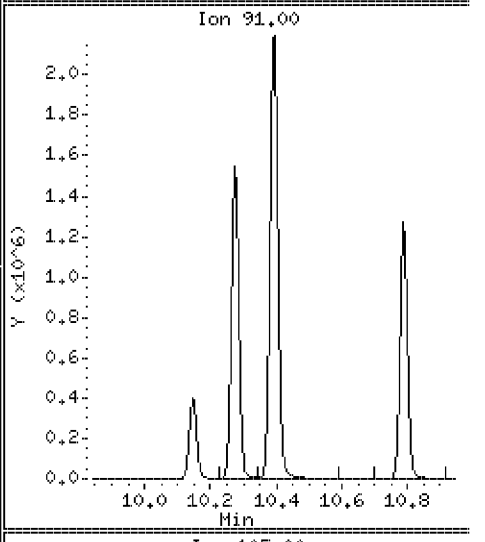


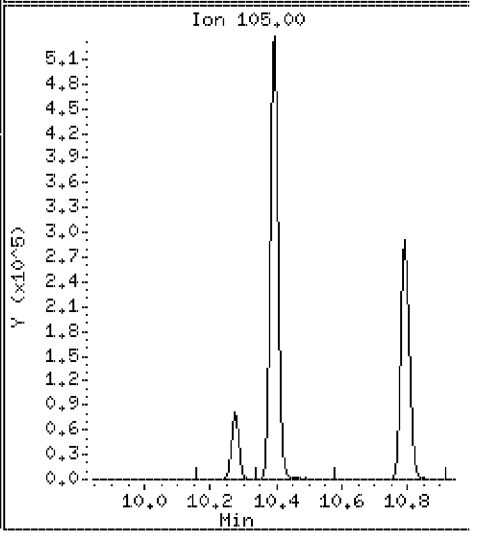












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

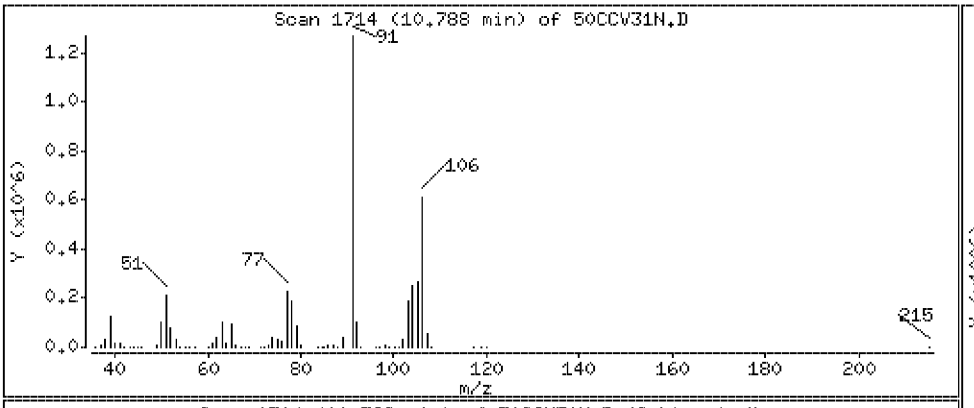
Client ID: 072710CCVA31 Instrument: vms03.i

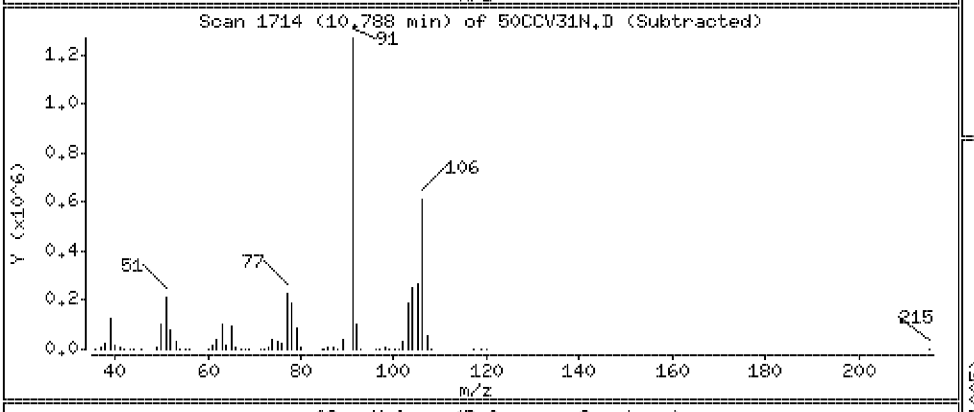
Sample Info: 072710CCVA31

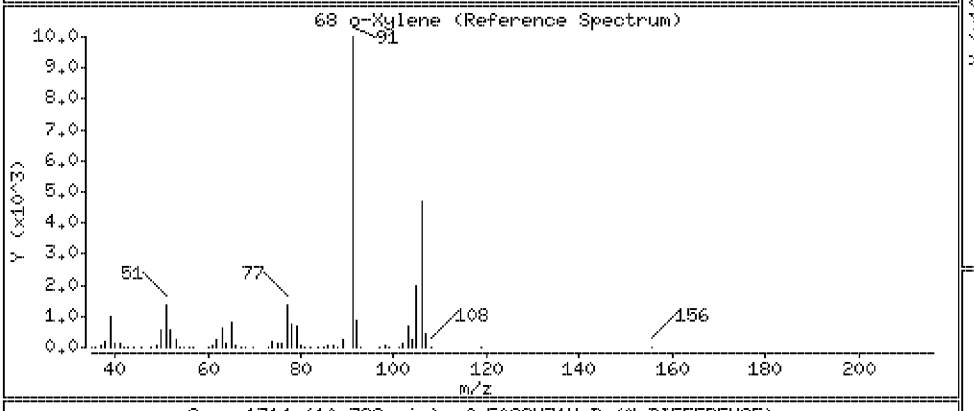
Purge Volume: 5.0 Operator:

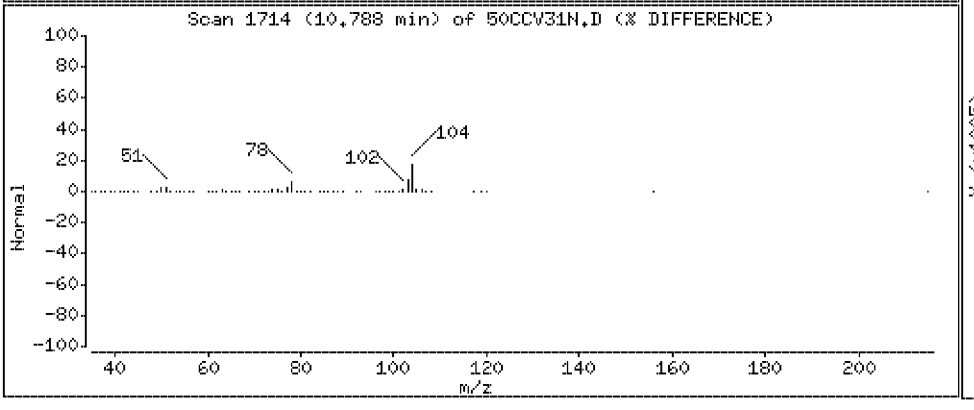
Column phase: RTX-502.2 Column diameter: 0.18

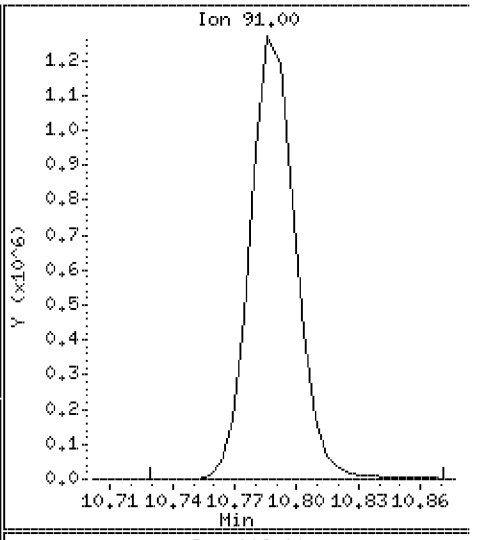
68 o-Xylene Concentration: 54.6 ug/l

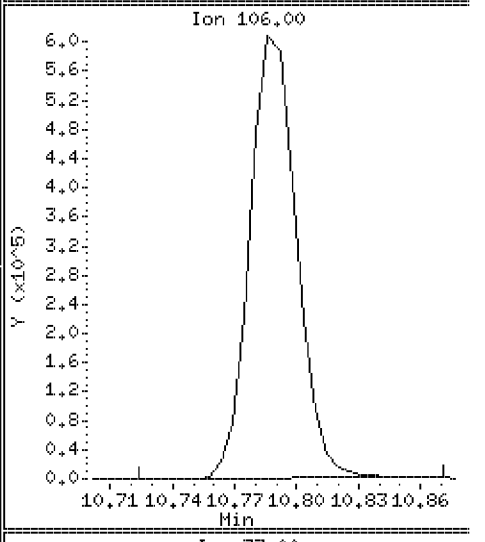


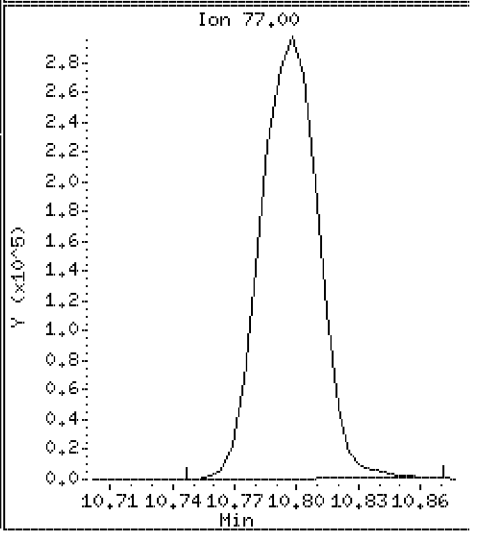












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

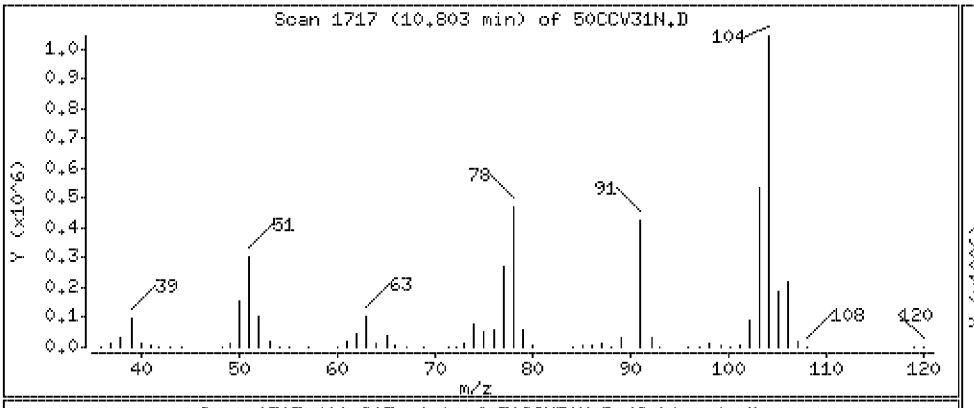
Operator:

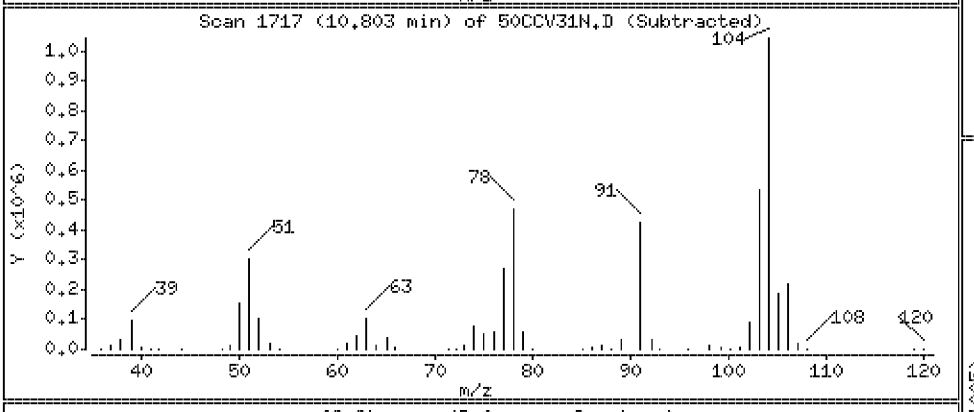
Column phase: RTX-502.2

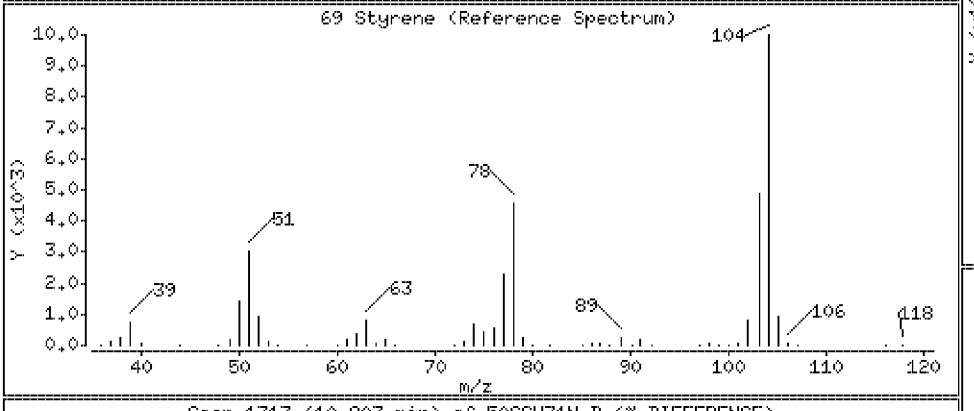
Column diameter: 0.18

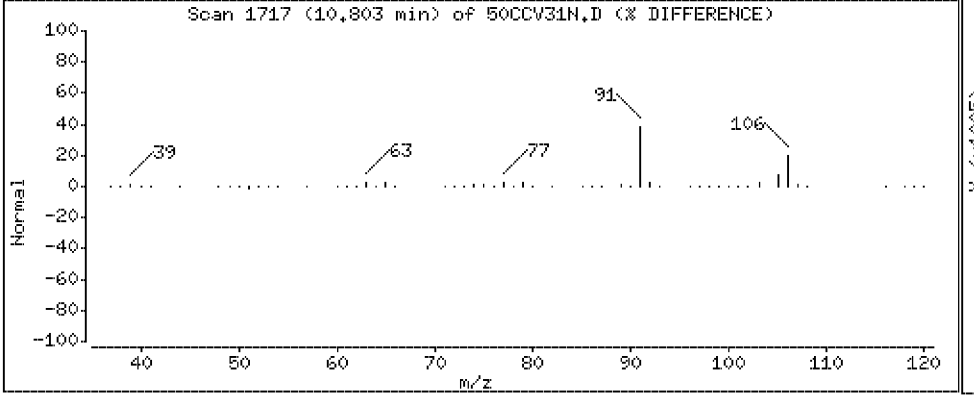
69 Styrene

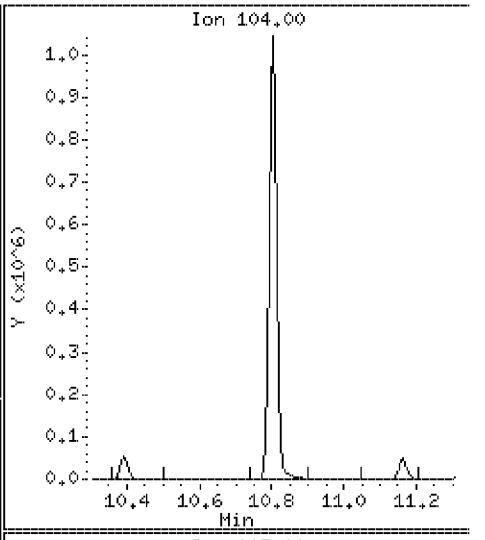
Concentration: 56.6 ug/l

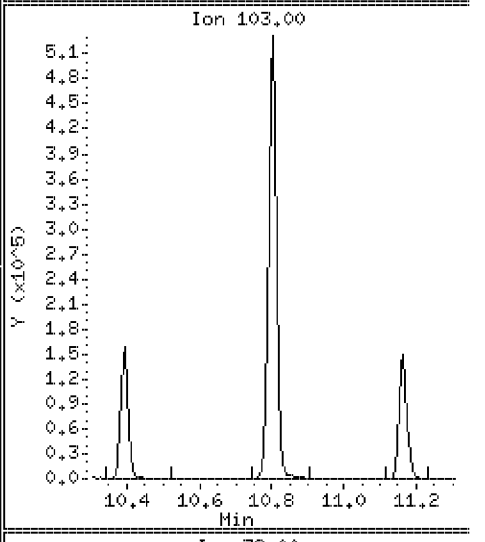


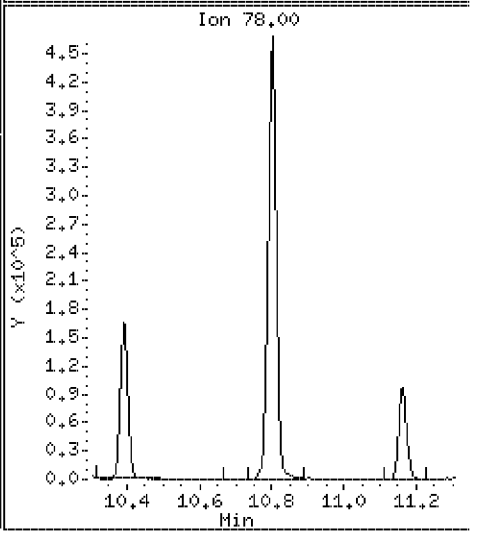












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

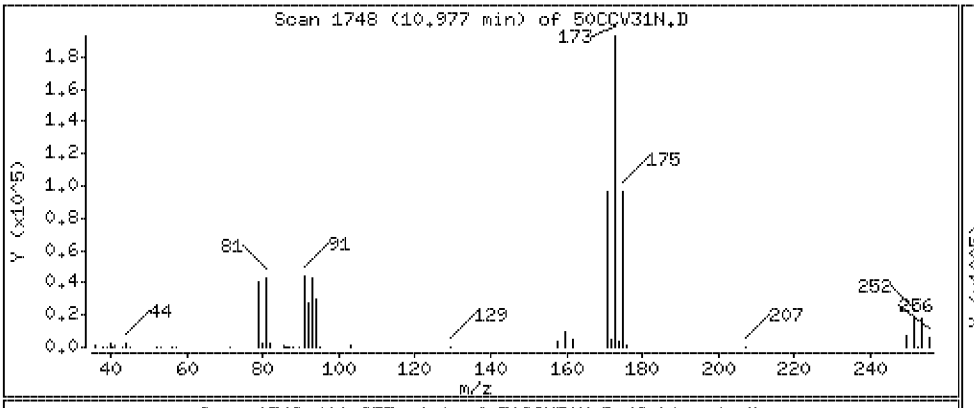
Operator:

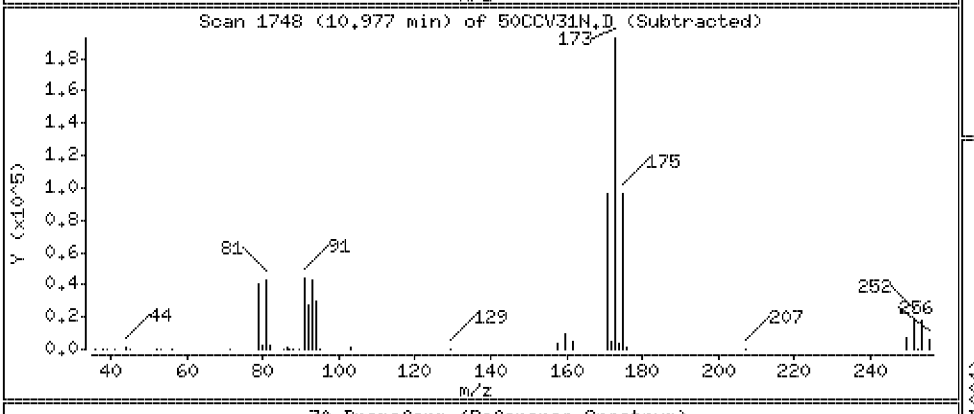
Column phase: RTX-502.2

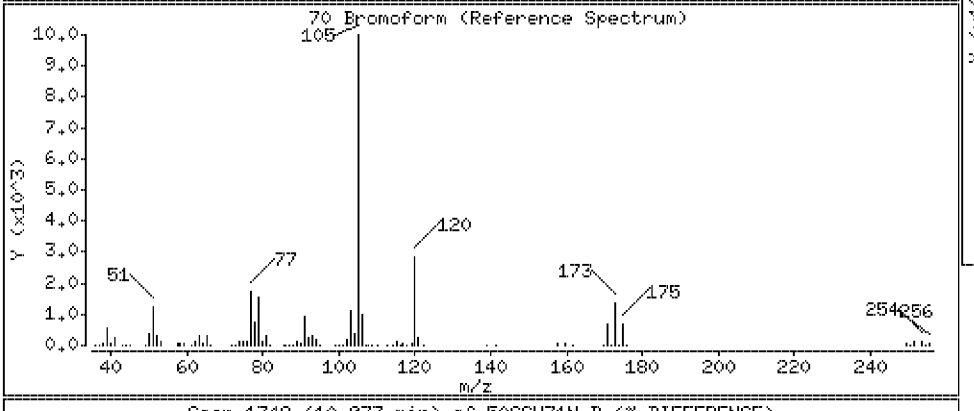
Column diameter: 0.18

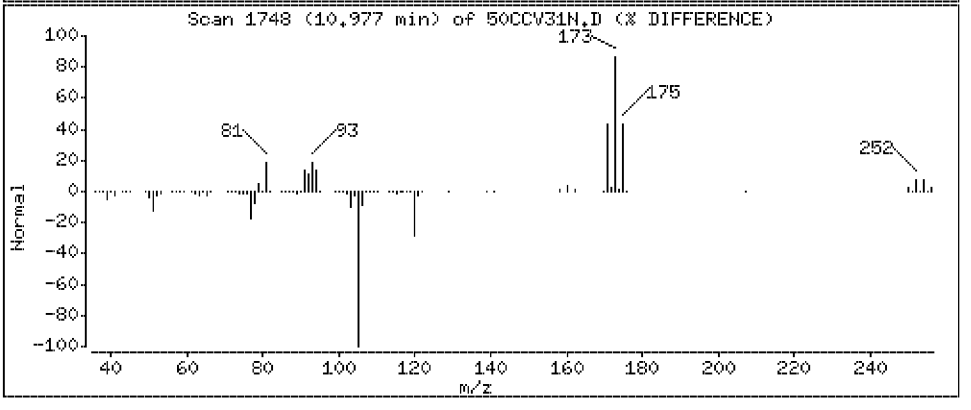
70 Bromoform

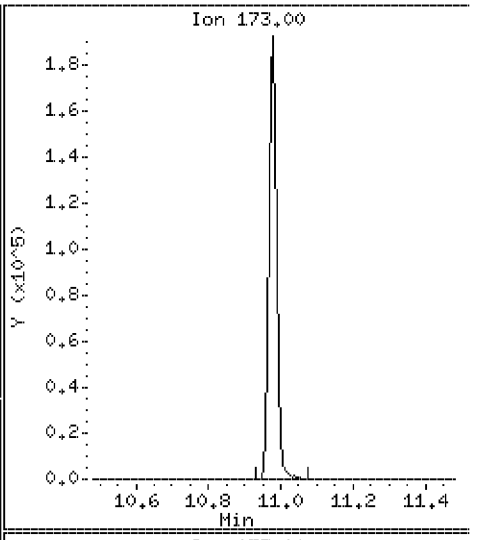
Concentration: 55.1 ug/l

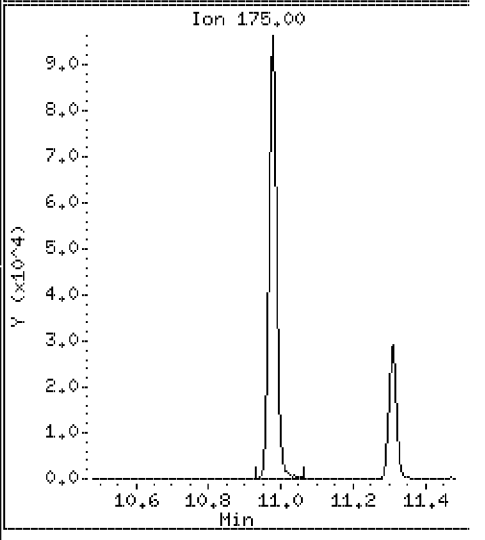












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

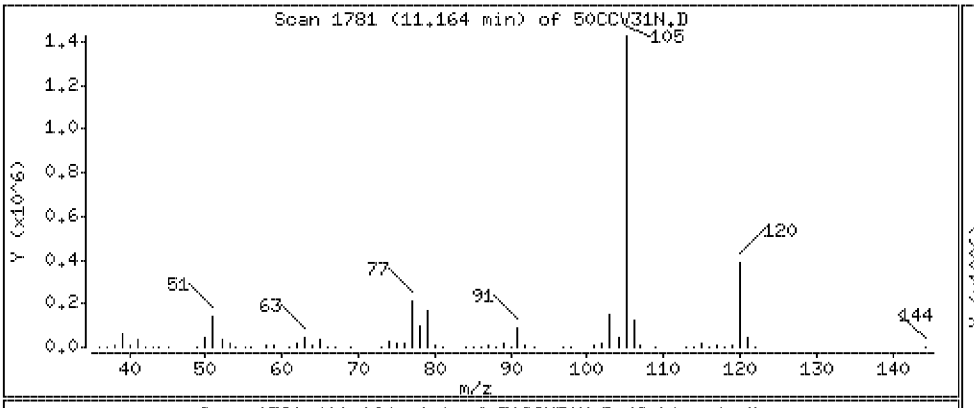
Operator:

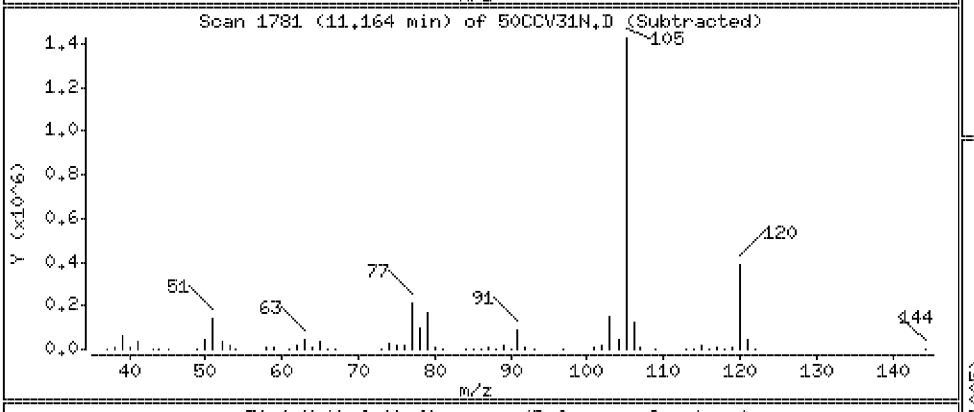
Column phase: RTX-502.2

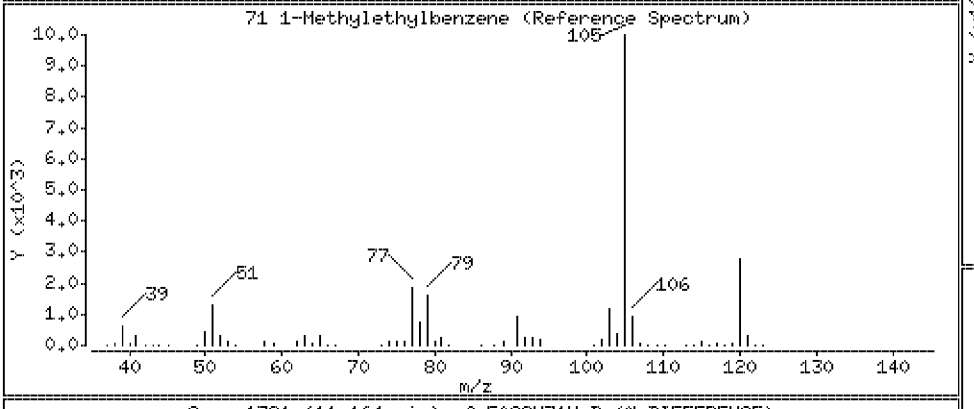
Column diameter: 0.18

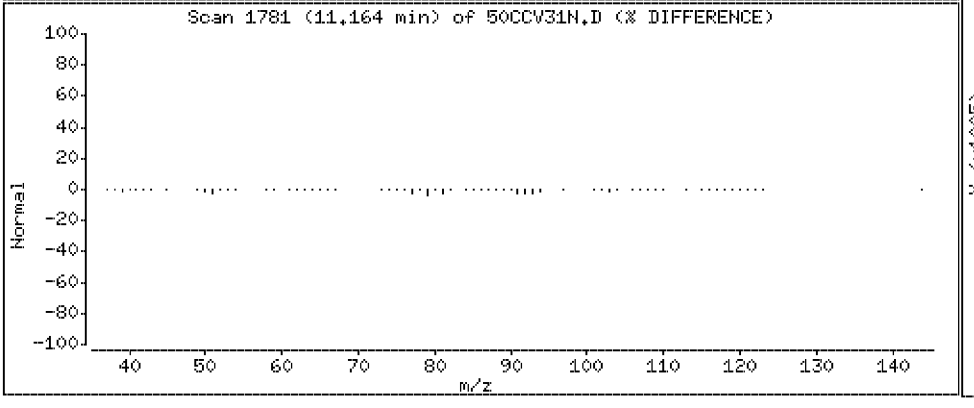
71 1-Methylethylbenzene

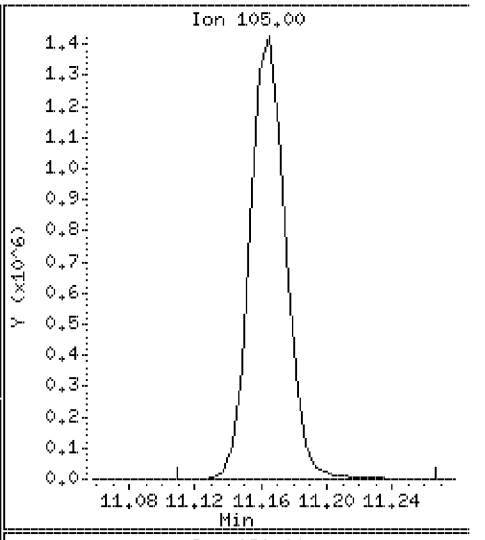
Concentration: 54.8 ug/l

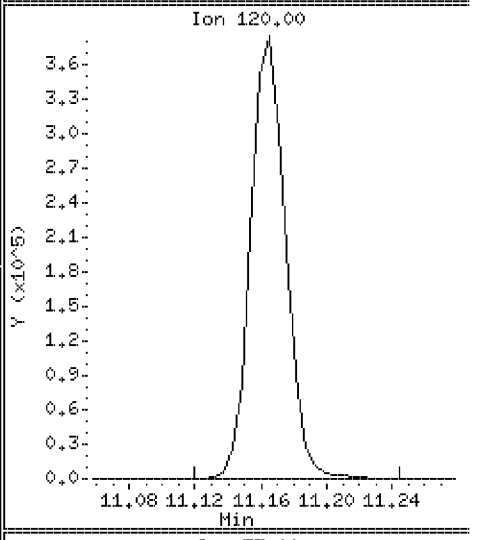


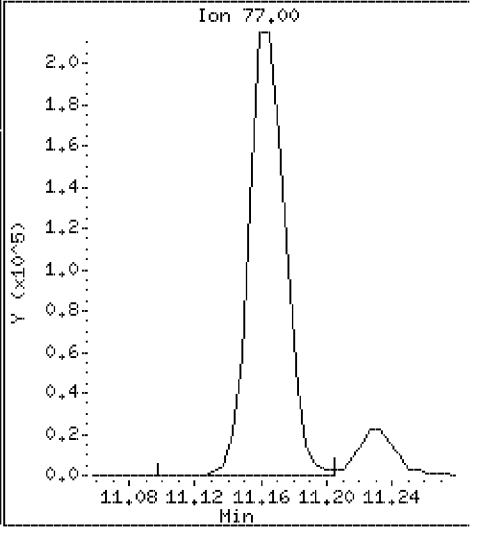












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

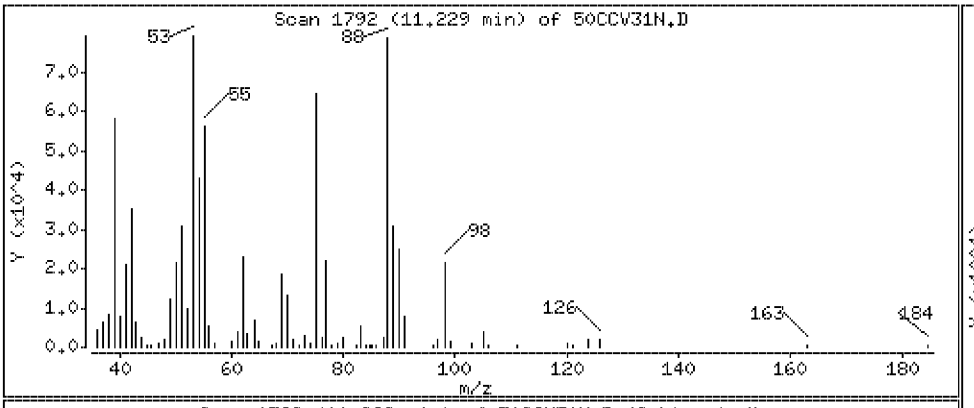
Client ID: 072710CCVA31 Instrument: vms03.i

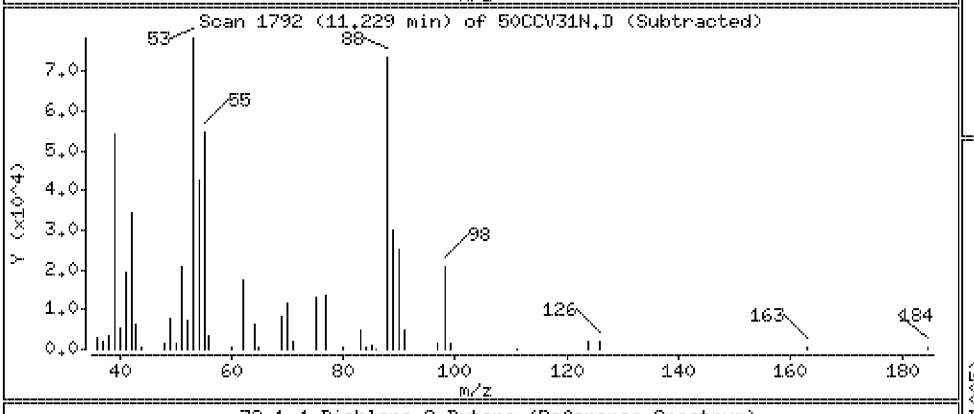
Sample Info: 072710CCVA31

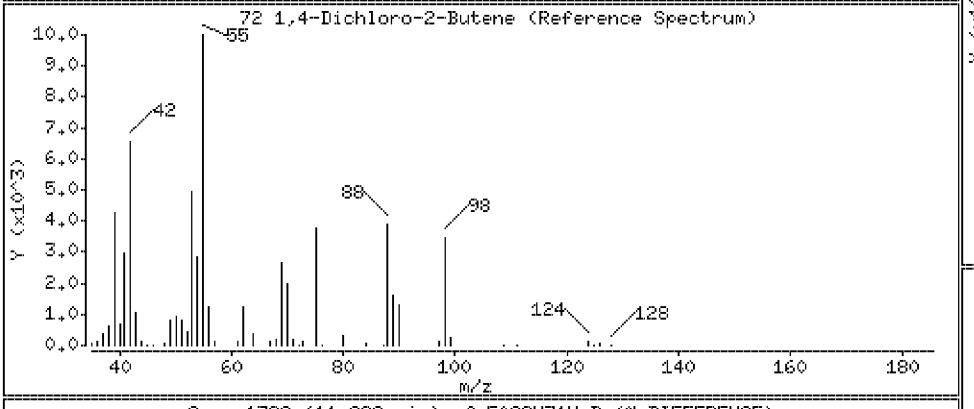
Purge Volume: 5.0 Operator:

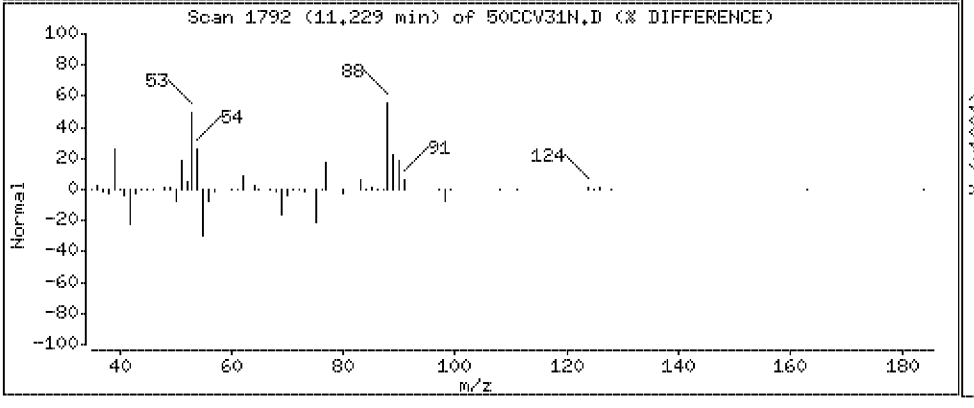
Column phase: RTX-502.2 Column diameter: 0.18

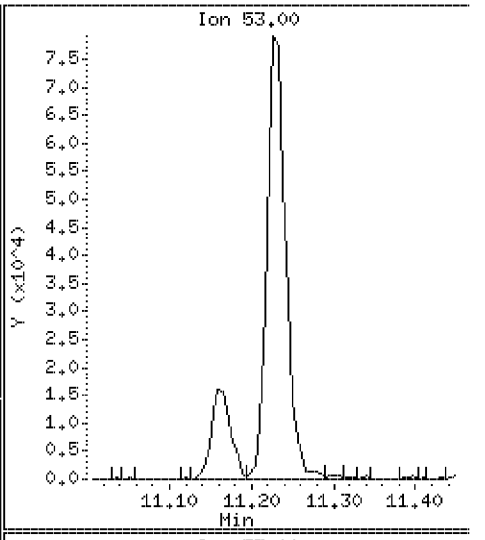
72 1,4-Dichloro-2-Butene Concentration: 85.9 ug/l

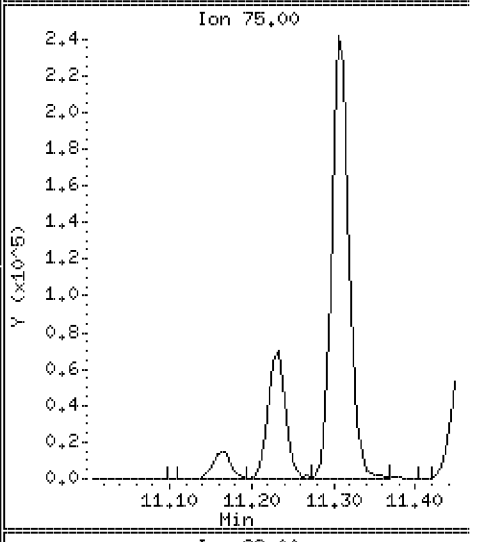


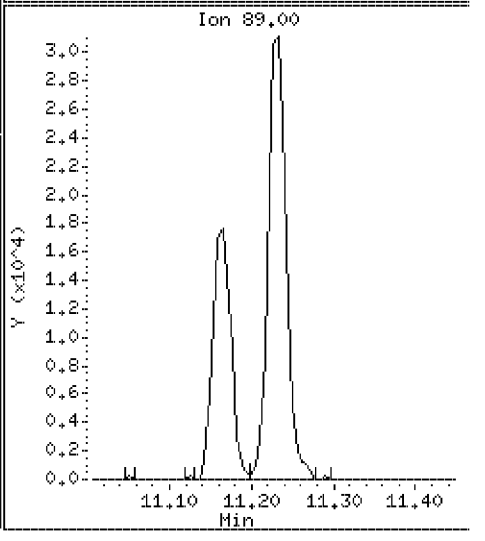












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

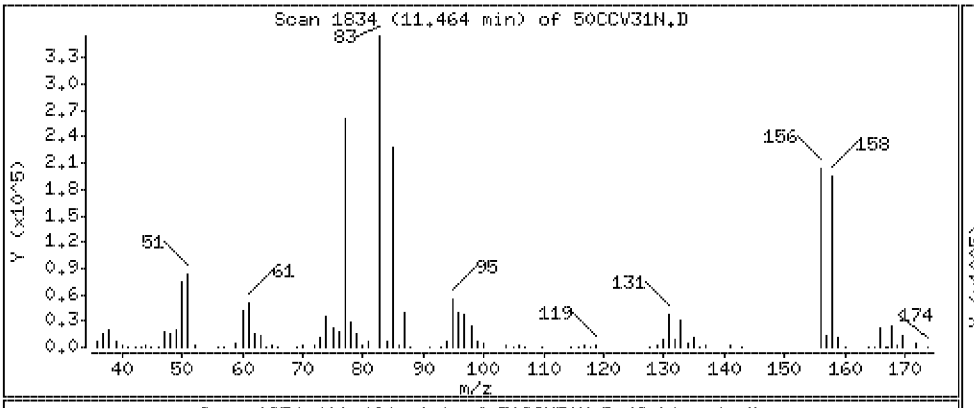
Operator:

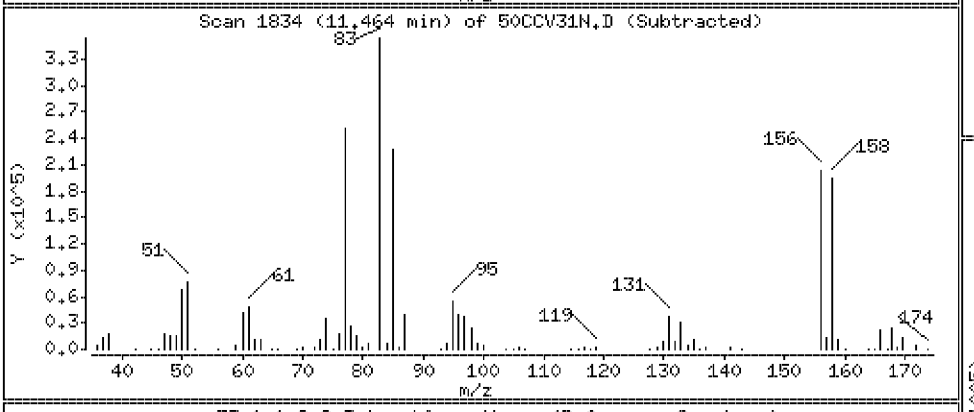
Column phase: RTX-502.2

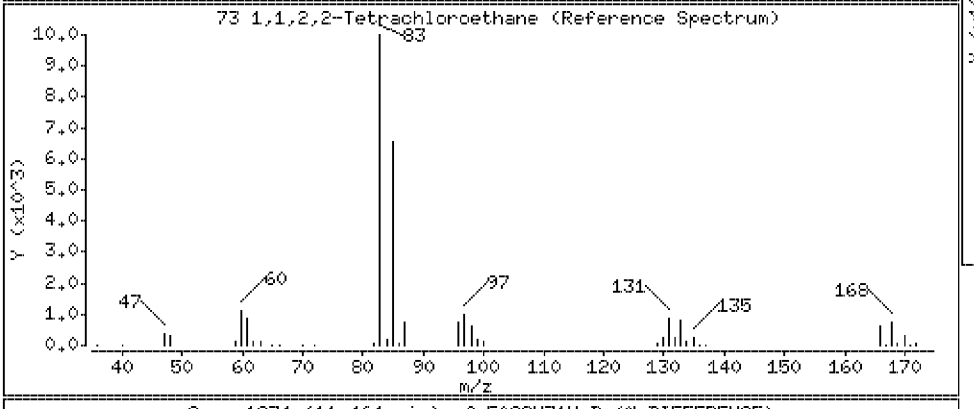
Column diameter: 0.18

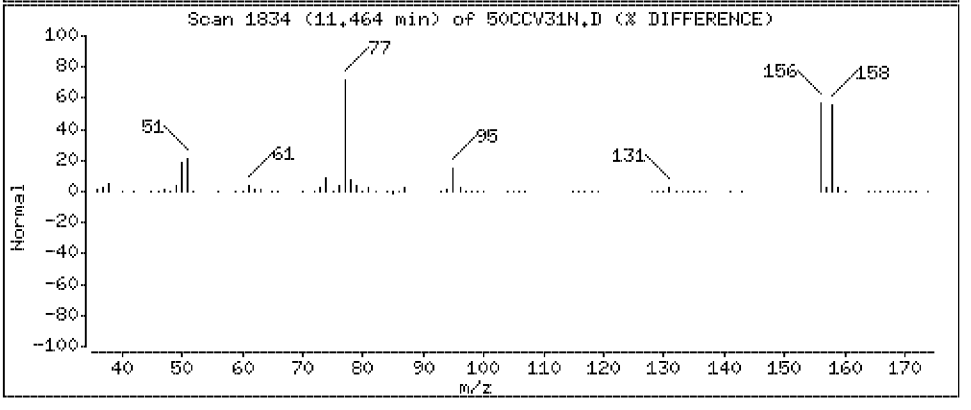
73 1,1,2,2-Tetrachloroethane

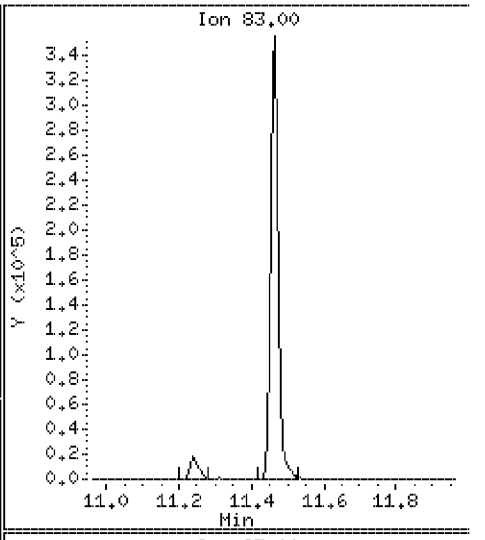
Concentration: 48.3 ug/l

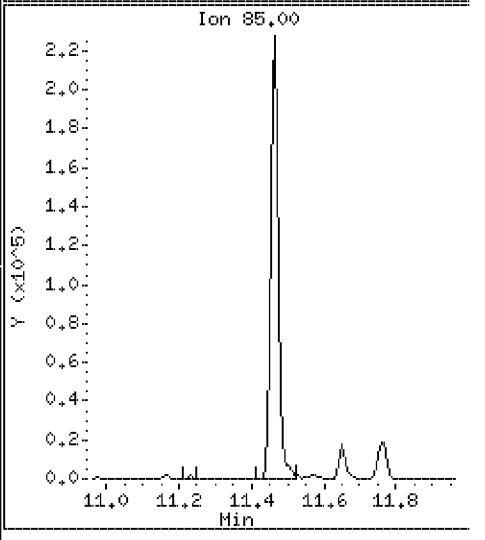












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

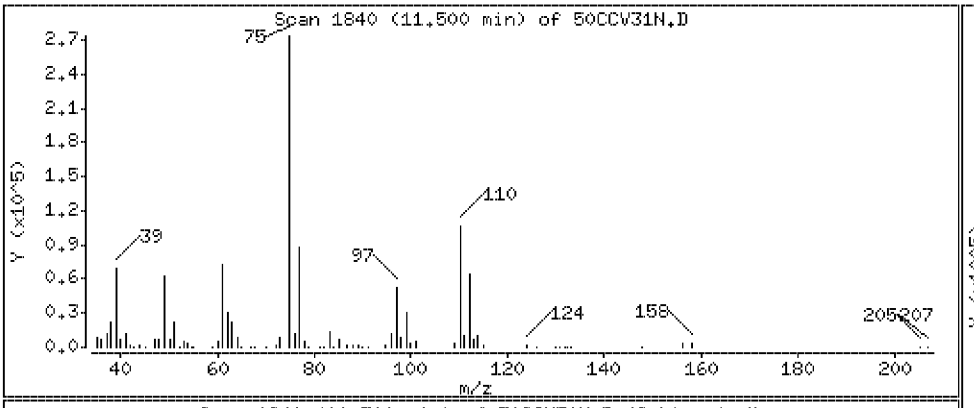
Operator:

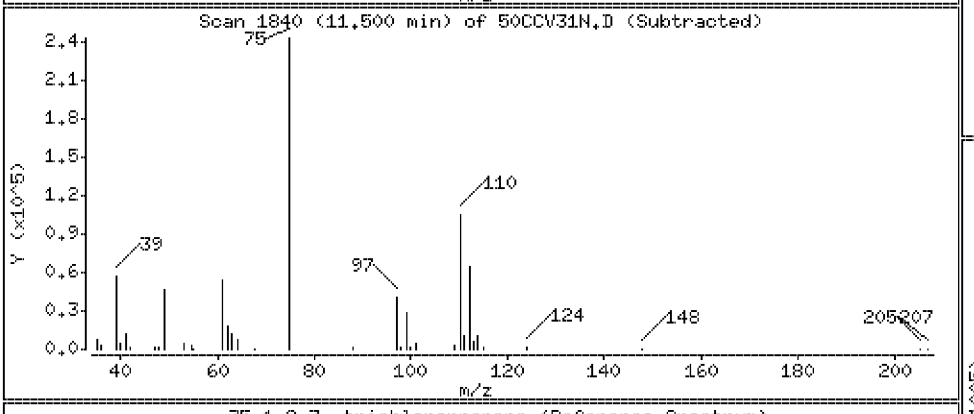
Column phase: RTX-502.2

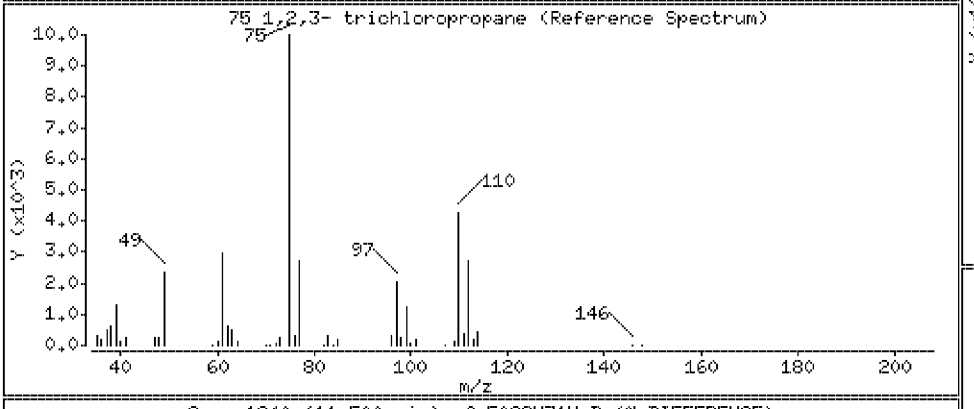
Column diameter: 0.18

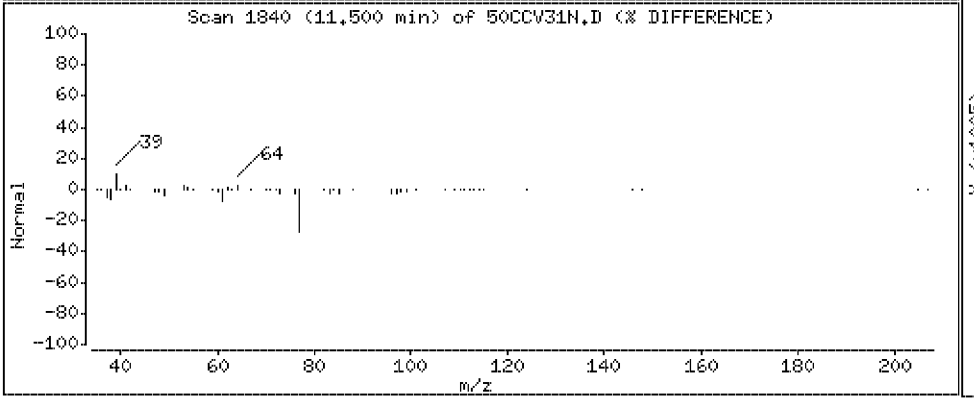
75 1,2,3- trichloropropane

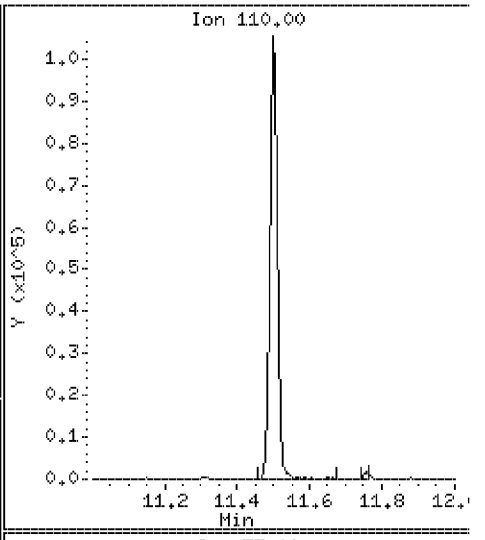
Concentration: 49.5 ug/l

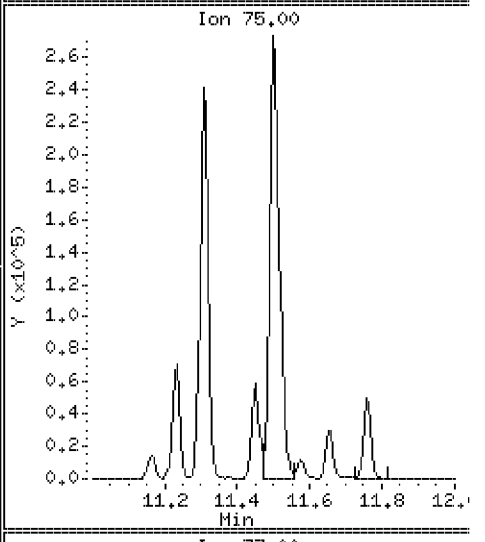


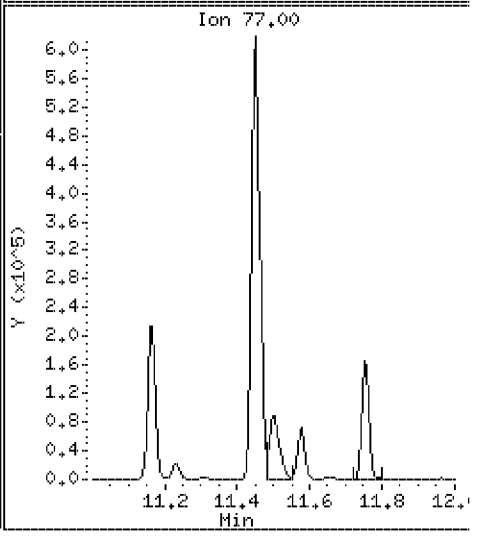












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

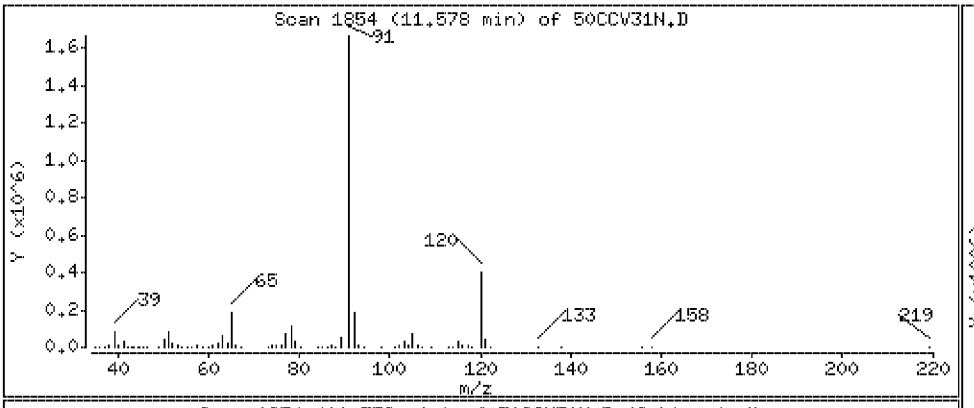
Operator:

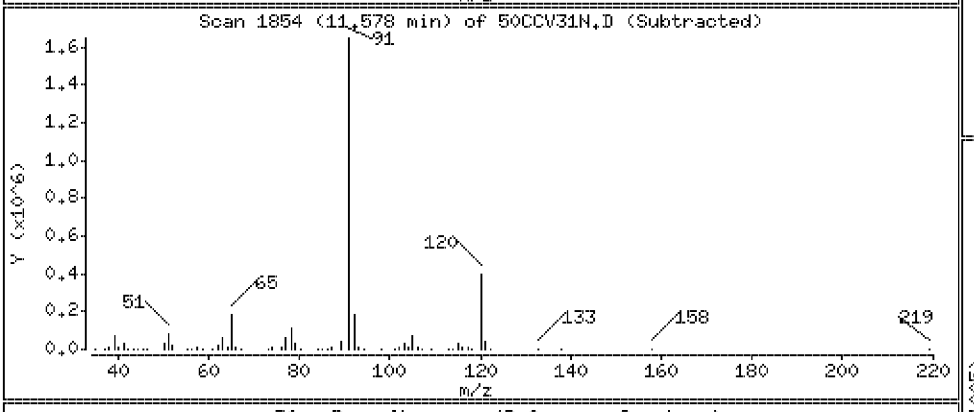
Column phase: RTX-502.2

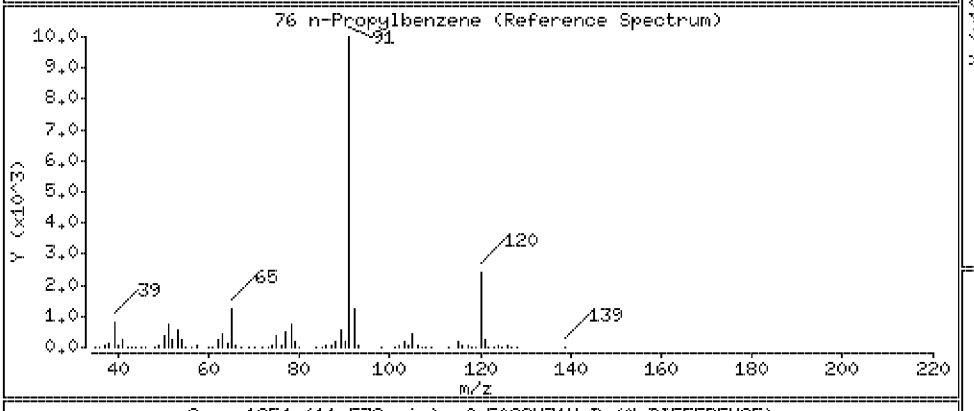
Column diameter: 0.18

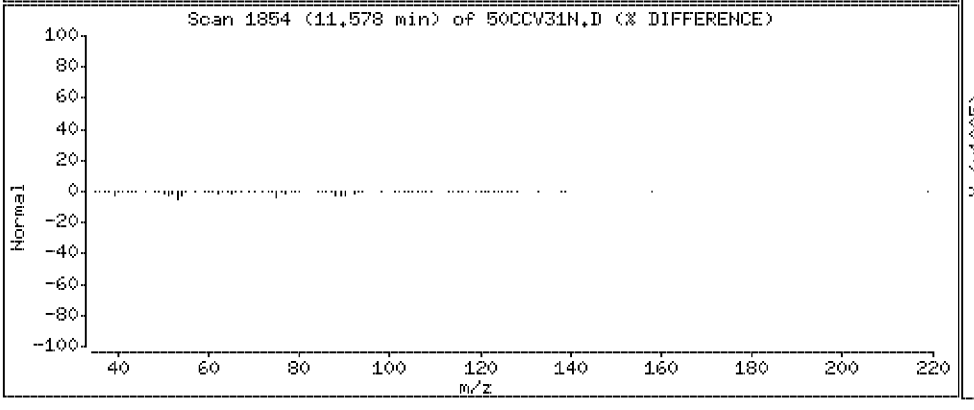
76 n-Propylbenzene

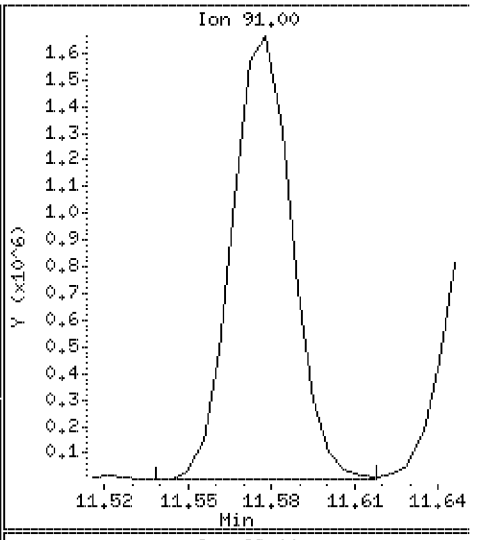
Concentration: 54.3 ug/l

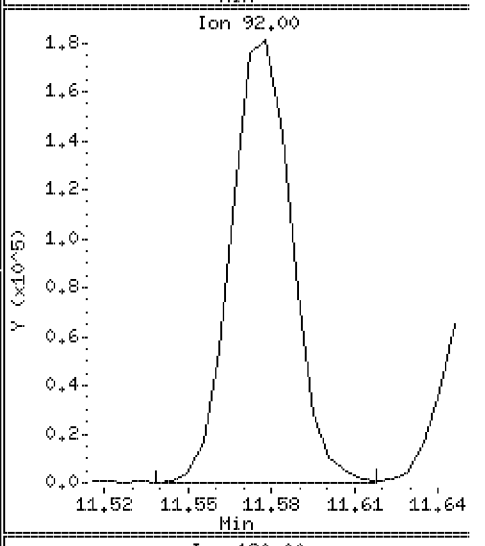


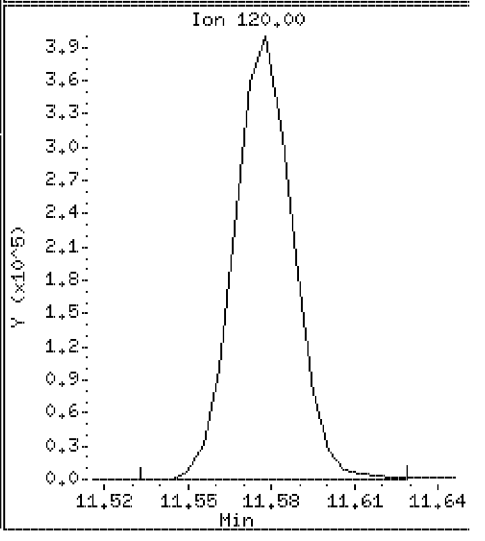












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

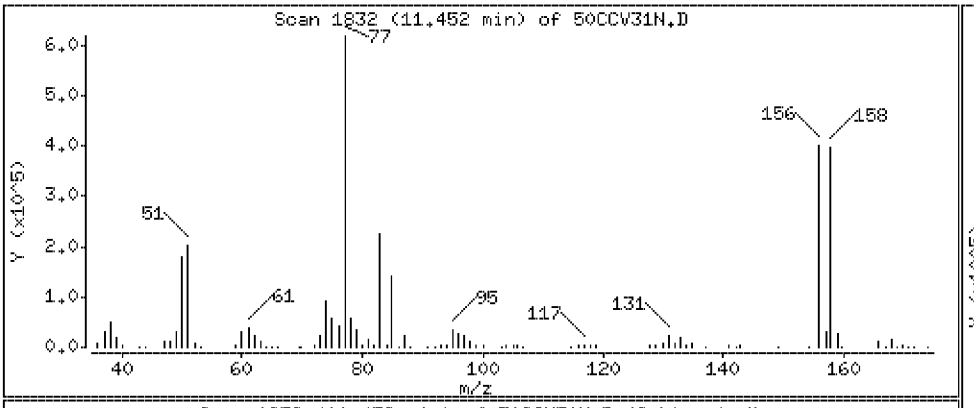
Operator:

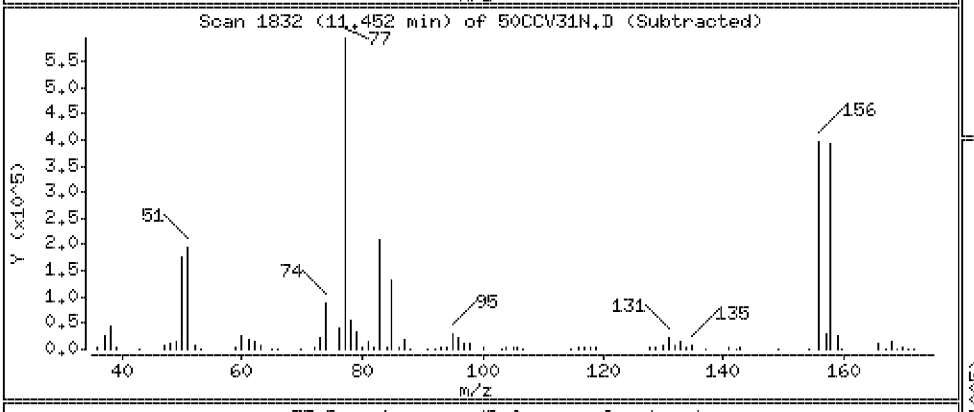
Column phase: RTX-502.2

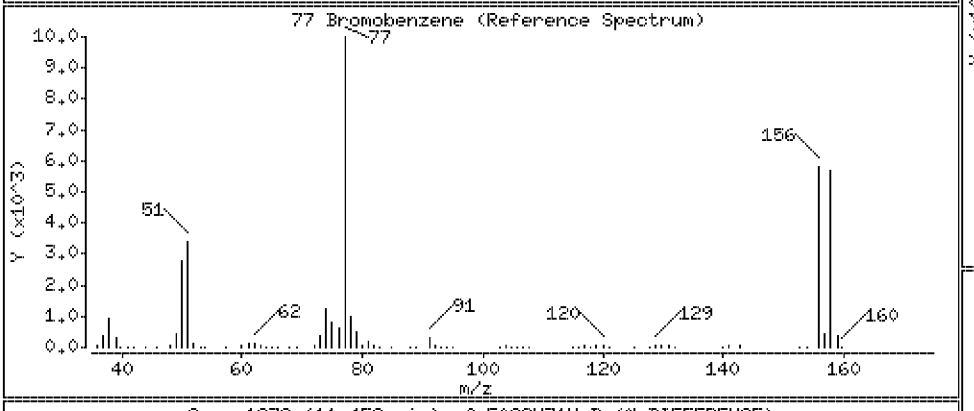
Column diameter: 0.18

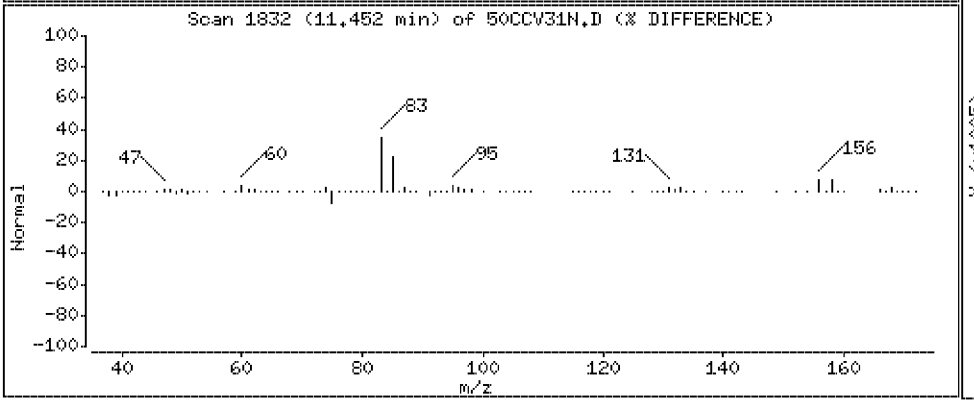
77 Bromobenzene

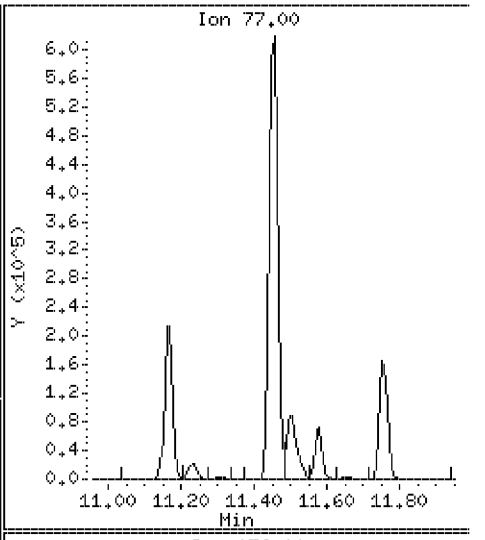
Concentration: 51.5 ug/l

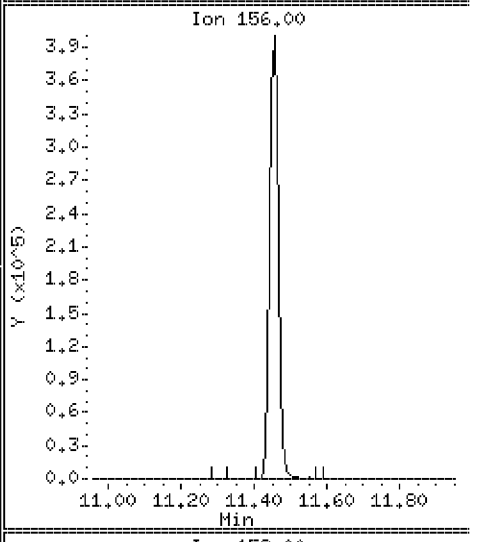


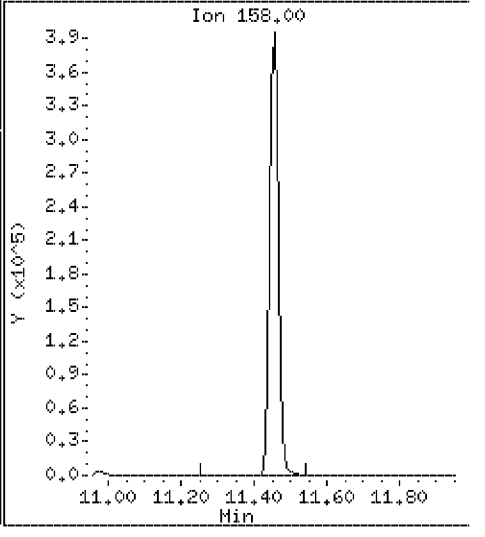












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

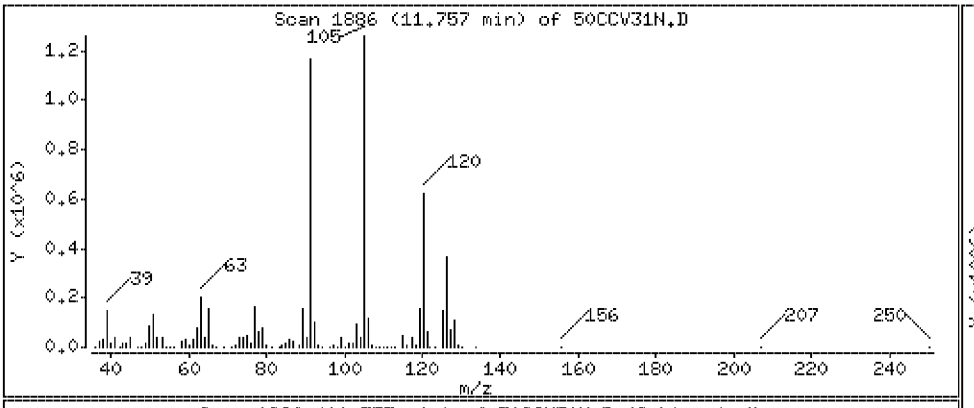
Operator:

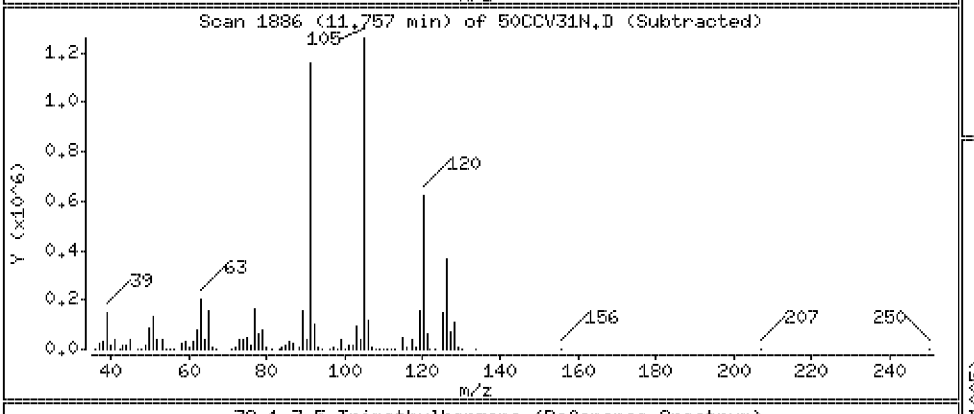
Column phase: RTX-502.2

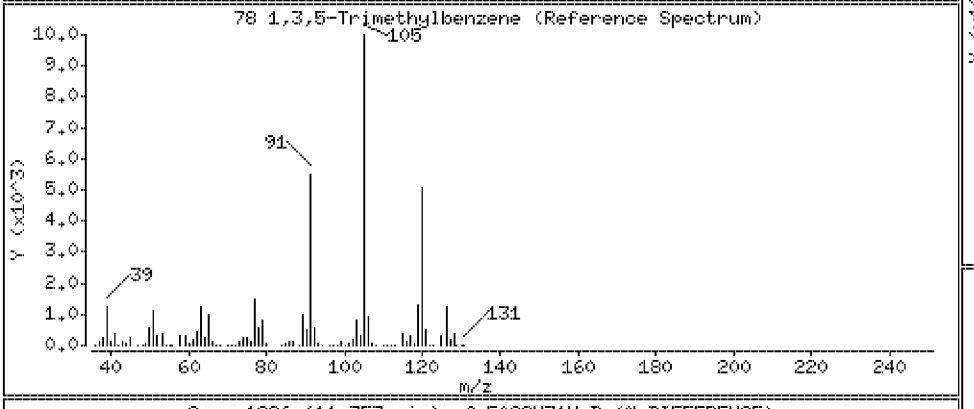
Column diameter: 0.18

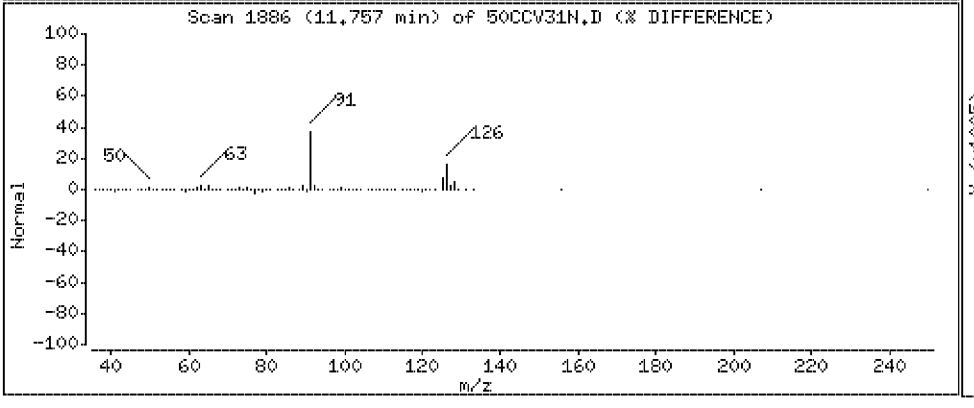
78 1,3,5-Trimethylbenzene

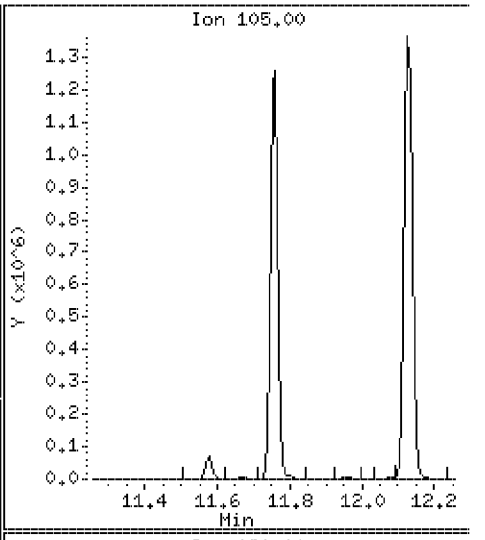
Concentration: 55.0 ug/l

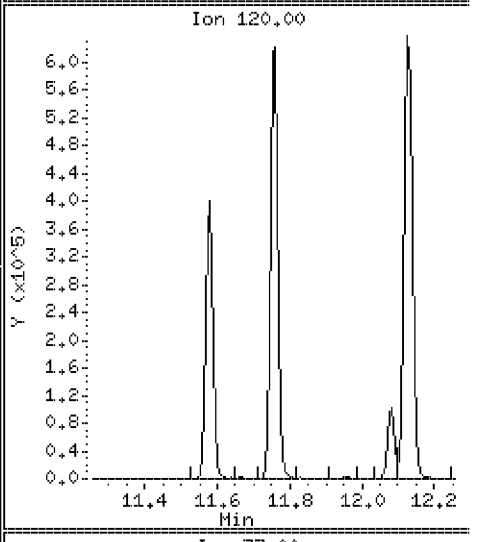


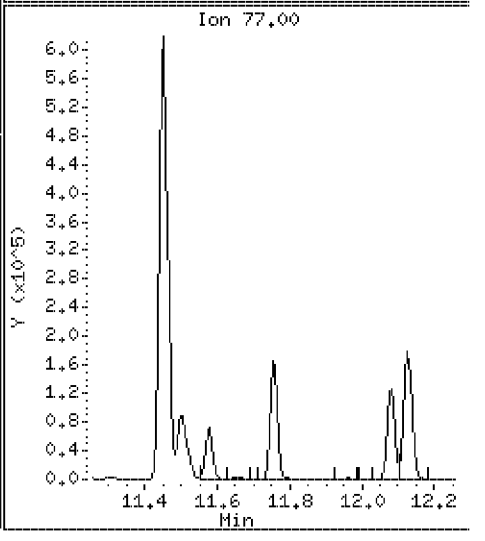












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

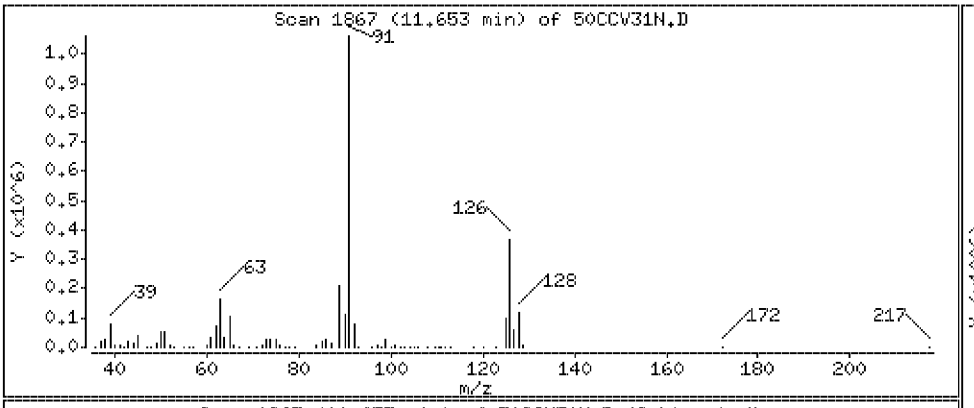
Operator:

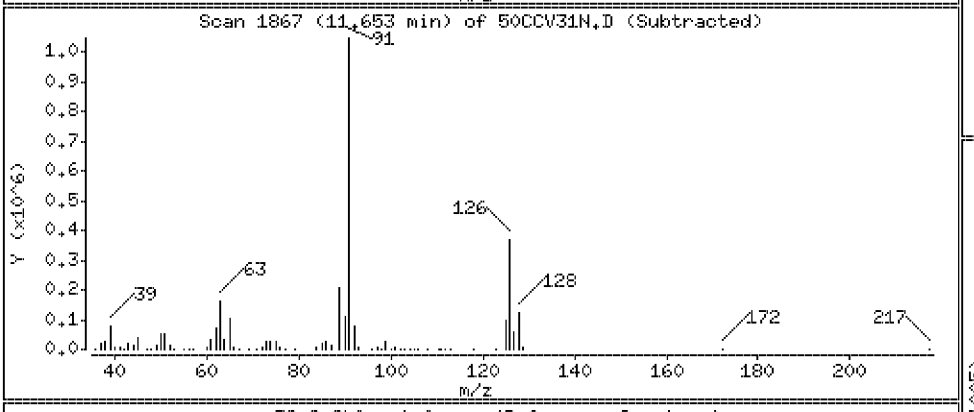
Column phase: RTX-502.2

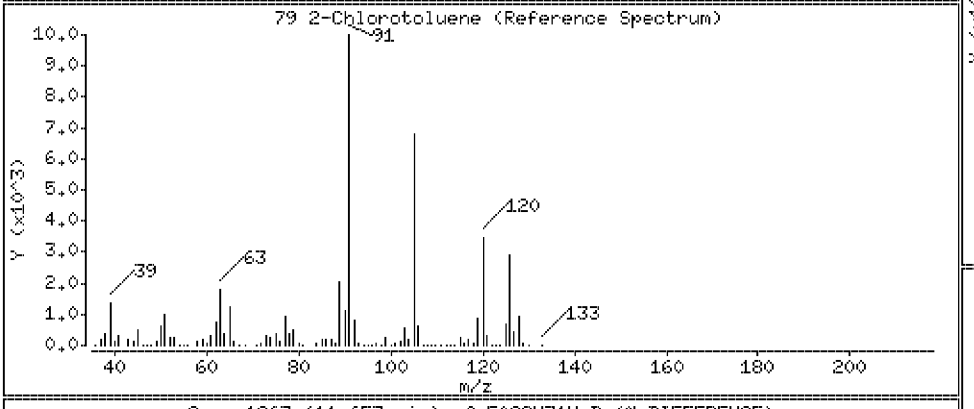
Column diameter: 0.18

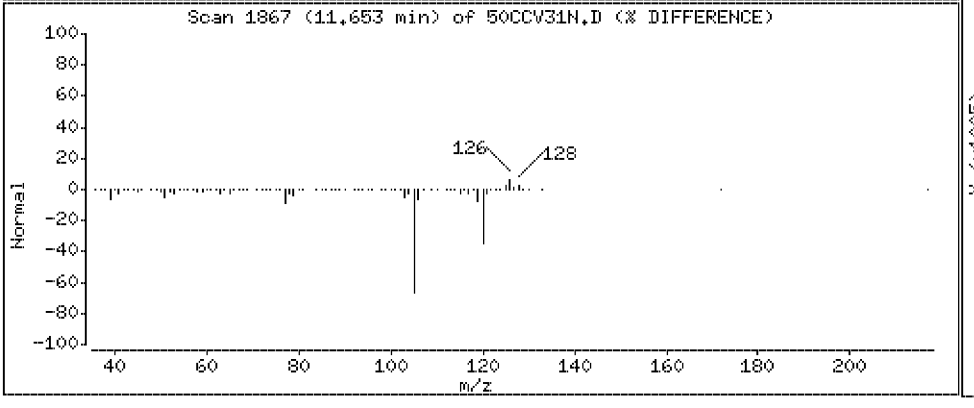
79 2-Chlorotoluene

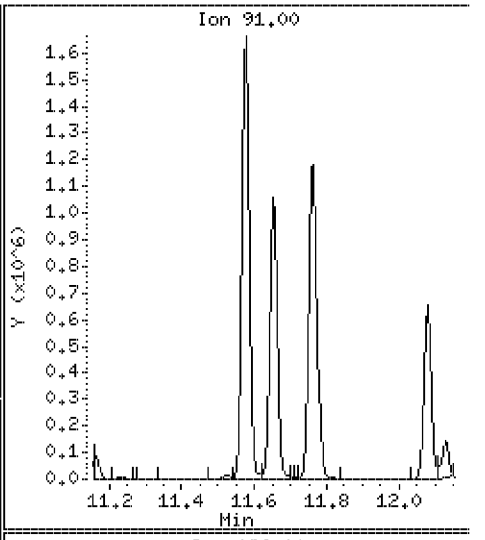
Concentration: 52.8 ug/l

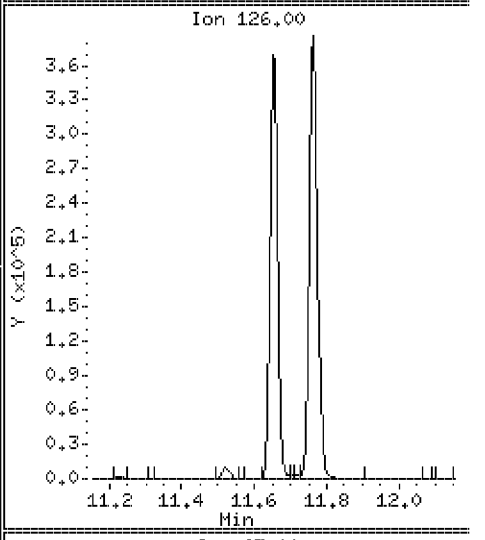


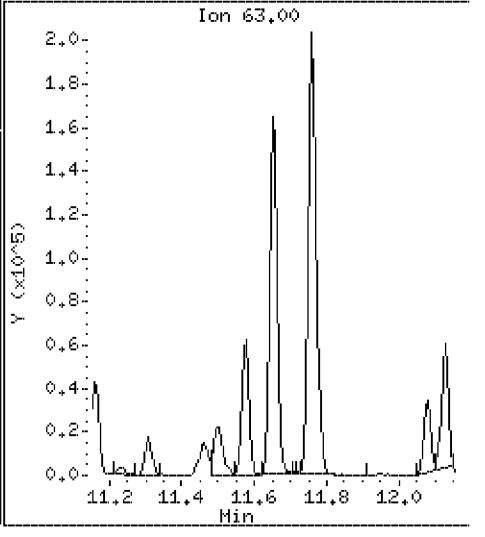












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

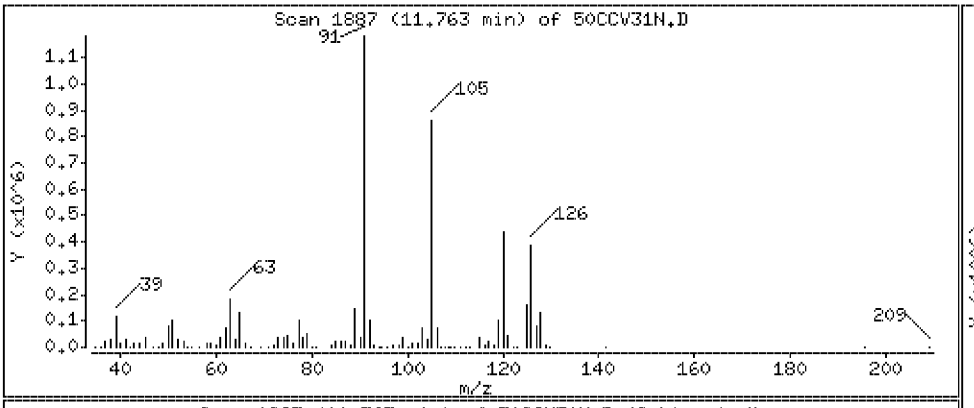
Operator:

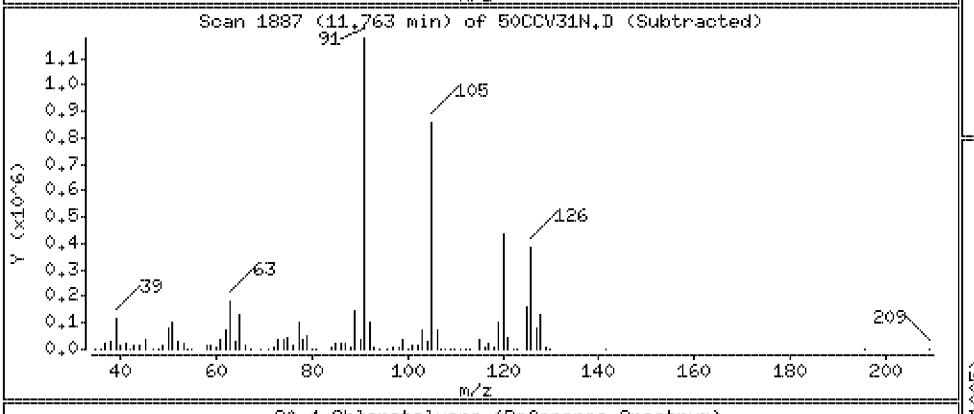
Column phase: RTX-502.2

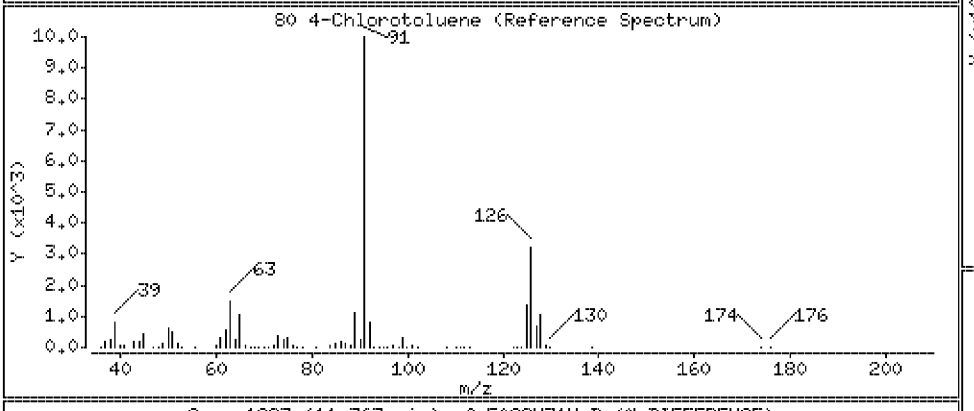
Column diameter: 0.18

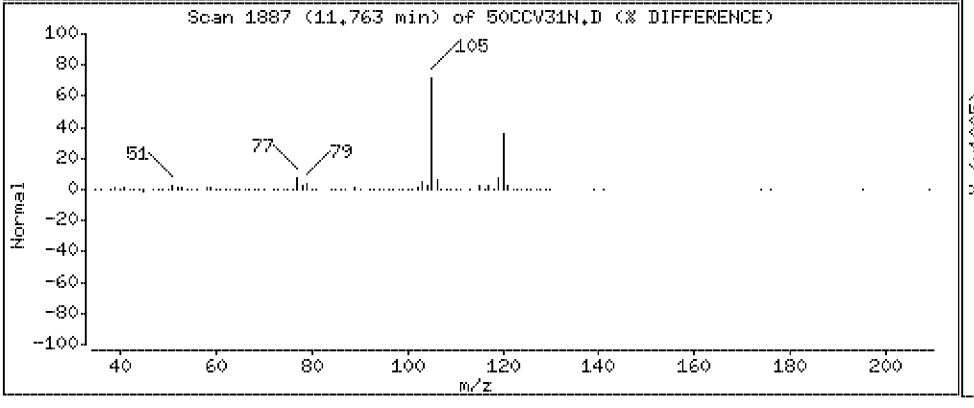
80 4-Chlorotoluene

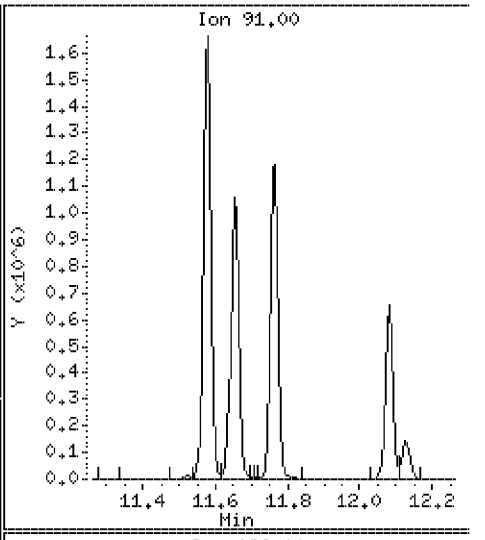
Concentration: 52.8 ug/l

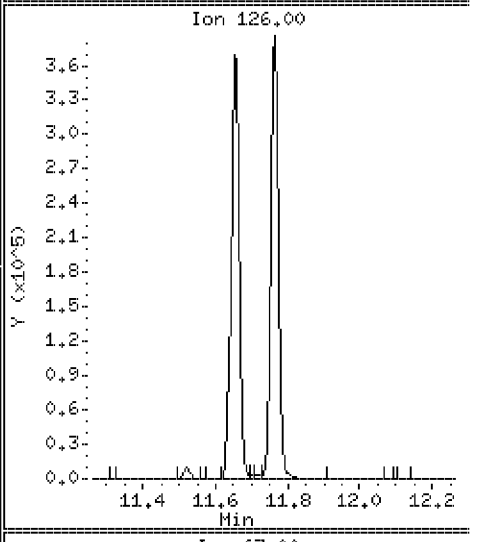


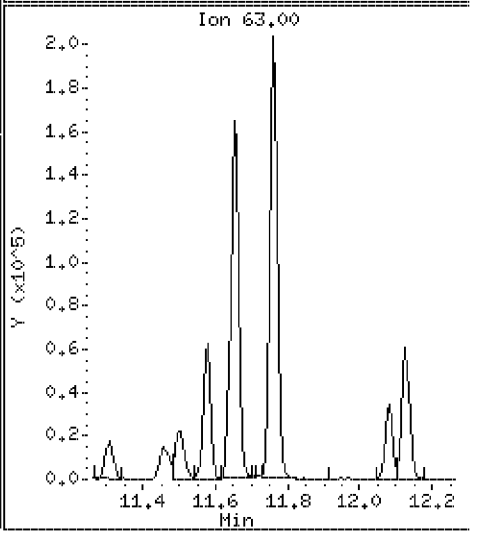












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

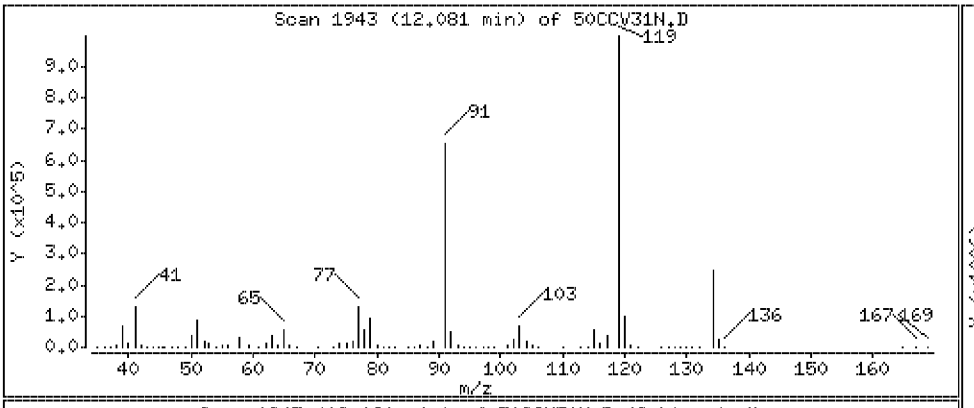
Operator:

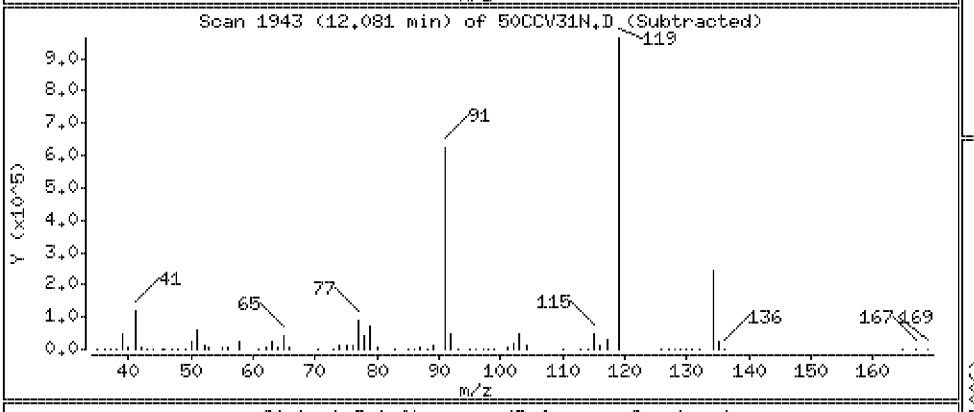
Column phase: RTX-502.2

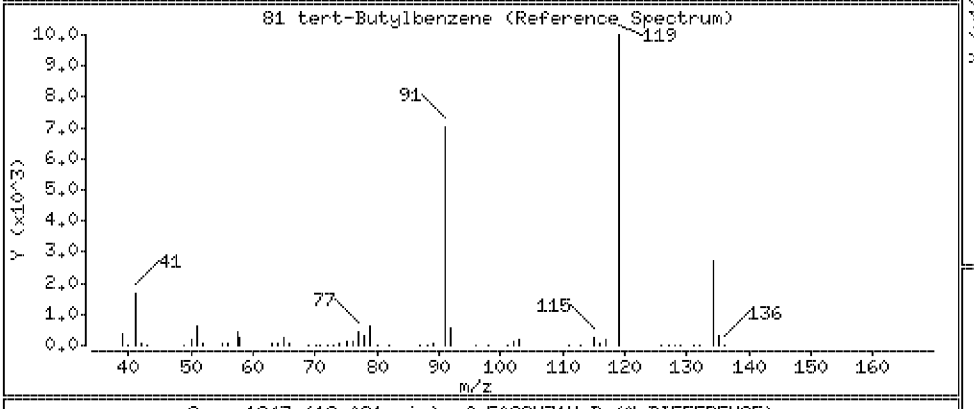
Column diameter: 0.18

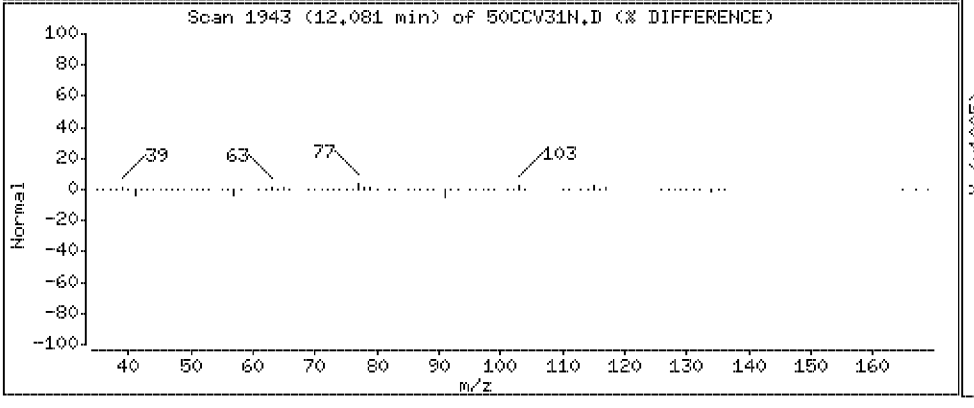
81 tert-Butylbenzene

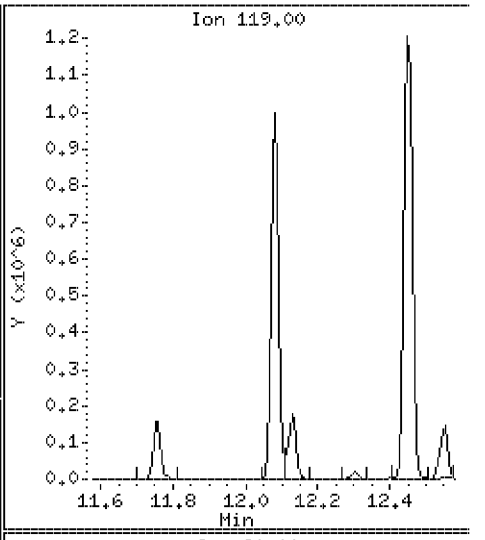
Concentration: 55.8 ug/l

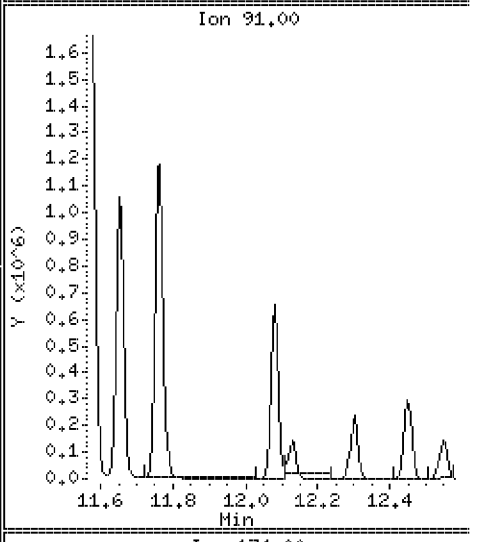


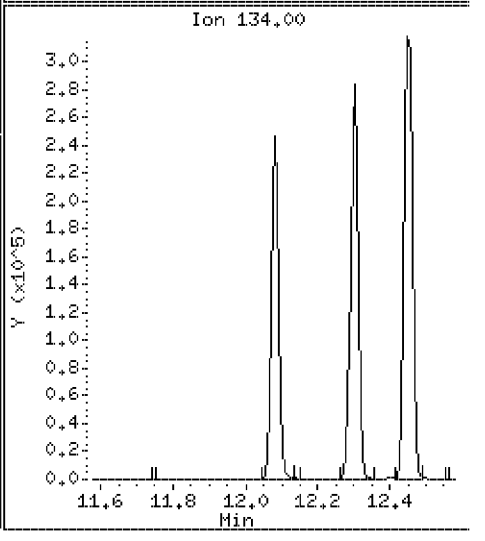












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

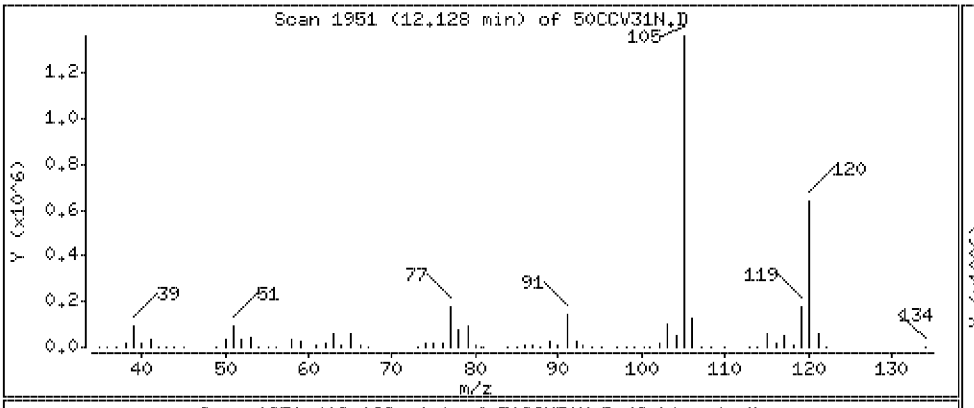
Client ID: 072710CCVA31 Instrument: vms03.i

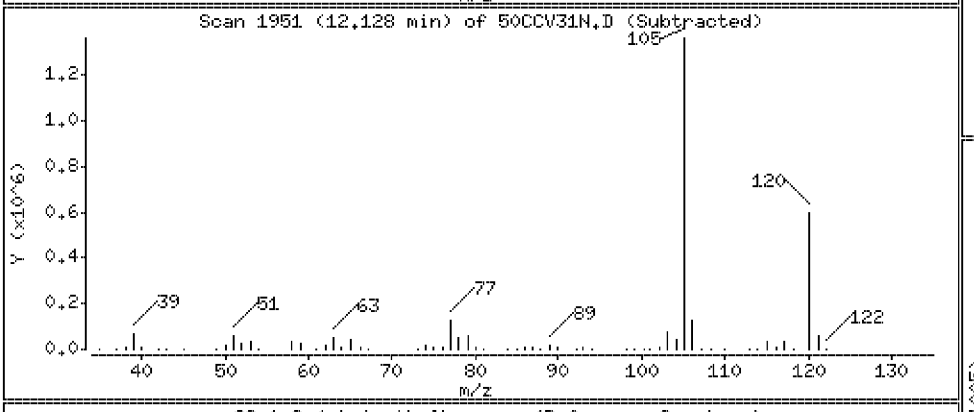
Sample Info: 072710CCVA31

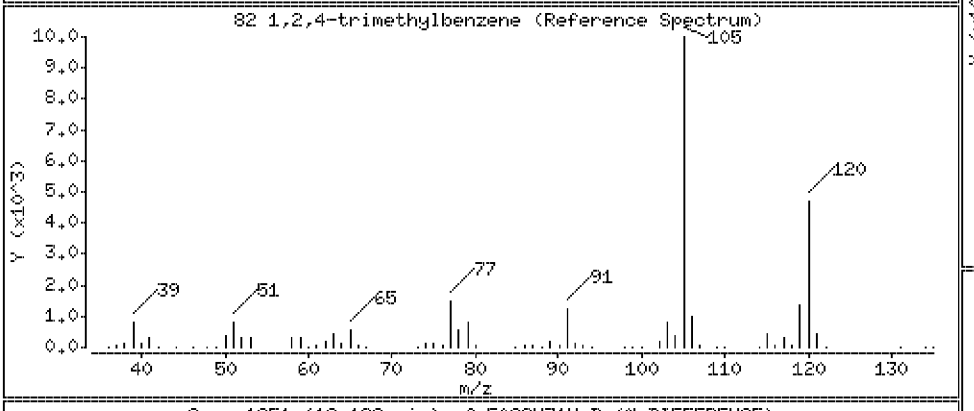
Purge Volume: 5.0 Operator:

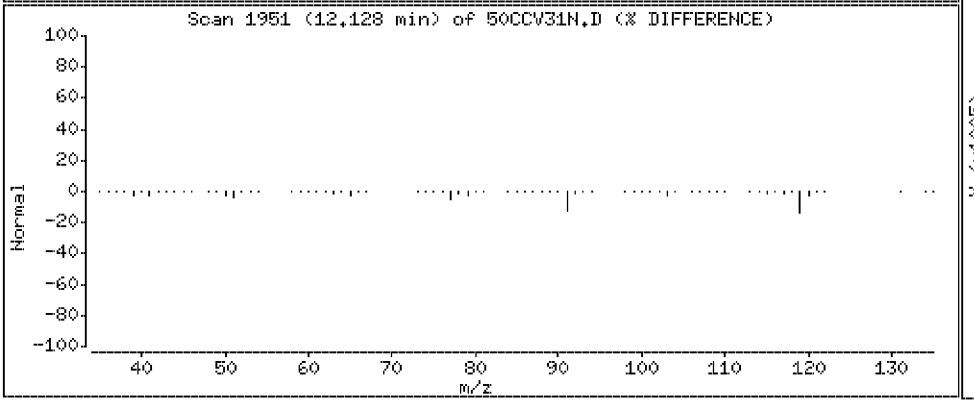
Column phase: RTX-502.2 Column diameter: 0.18

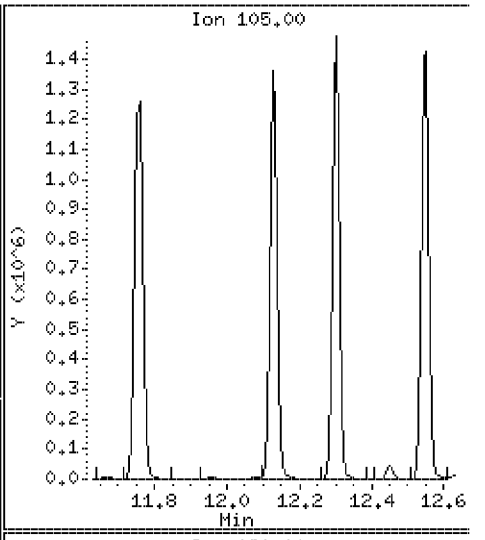
82 1,2,4-trimethylbenzene Concentration: 54.2 ug/l

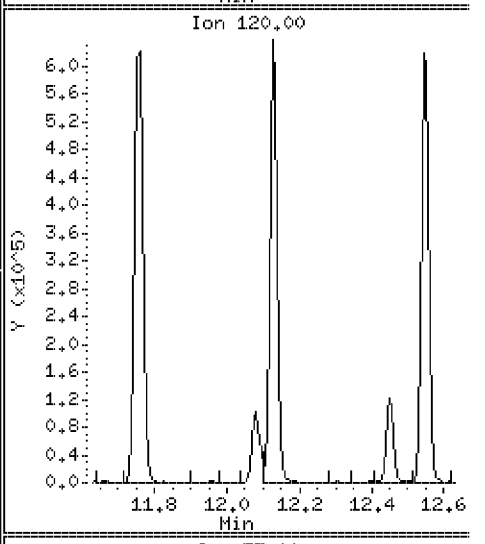


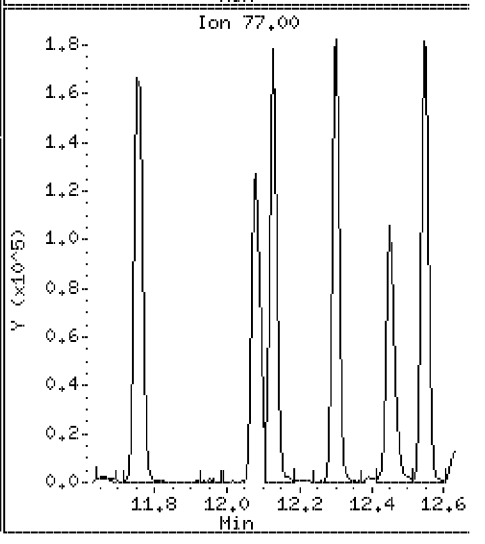












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

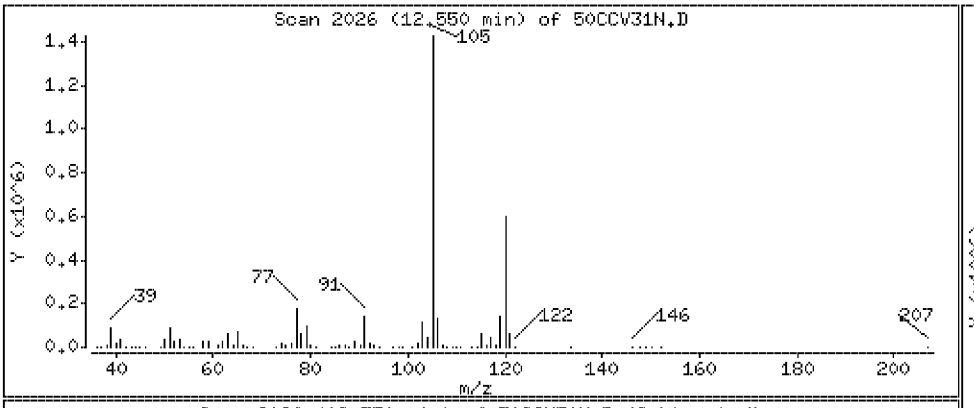
Operator:

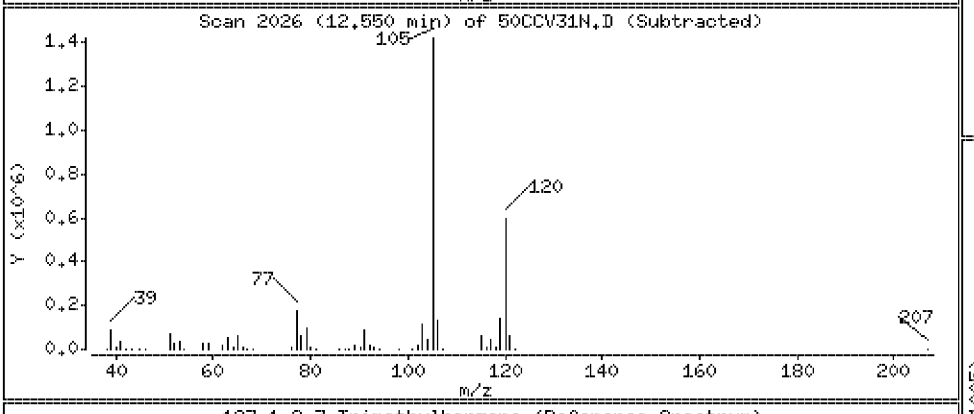
Column phase: RTX-502.2

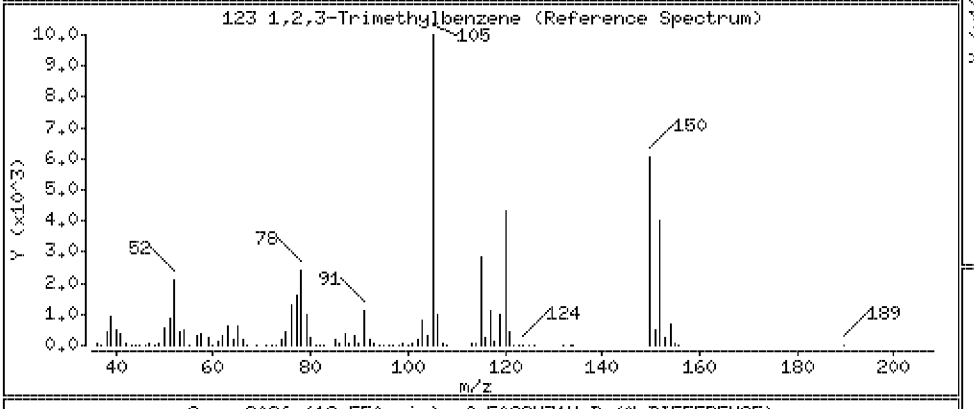
Column diameter: 0.18

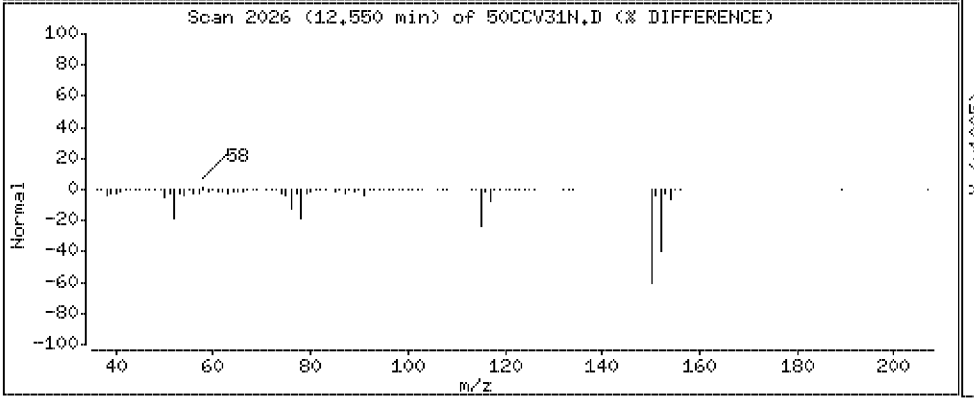
123 1,2,3-Trimethylbenzene

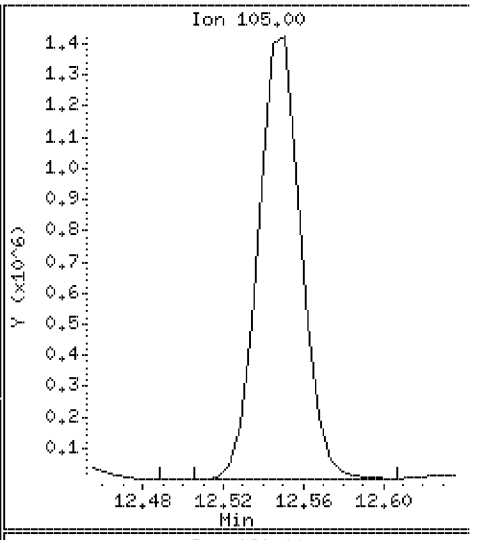
Concentration: 55.3 ug/l

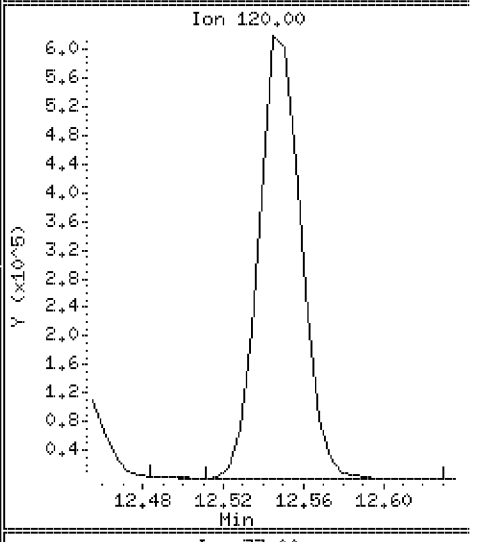


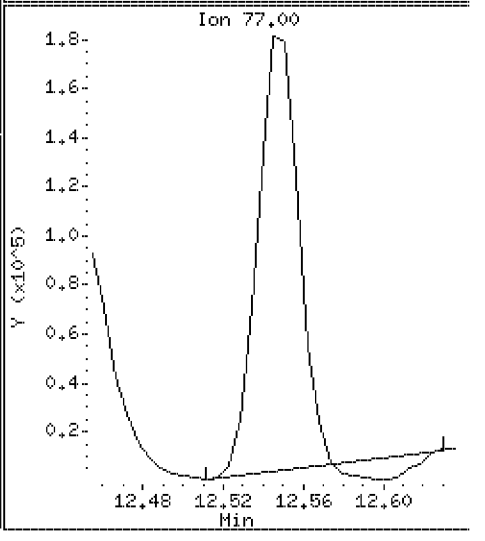












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

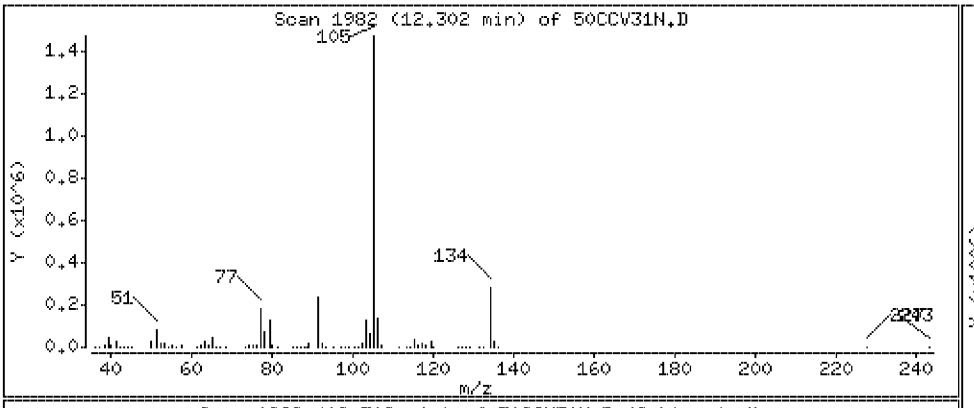
Operator:

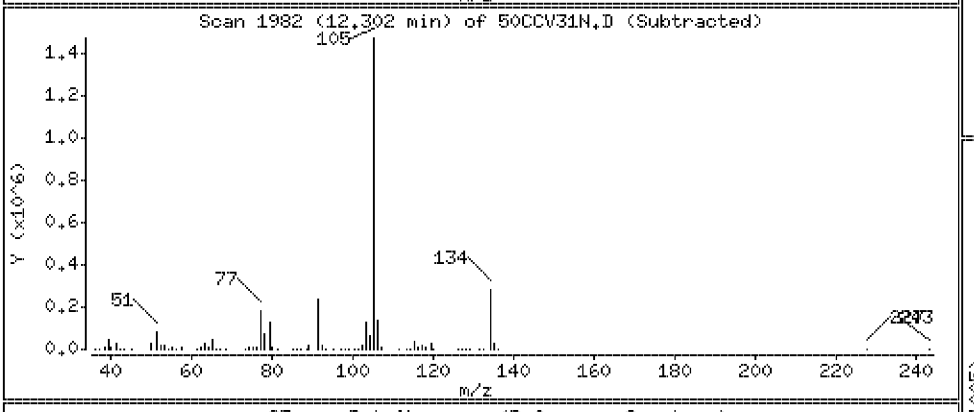
Column phase: RTX-502.2

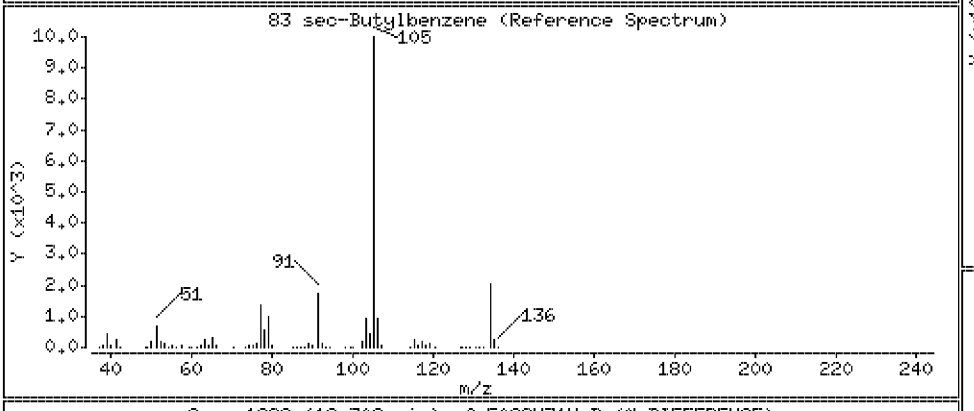
Column diameter: 0.18

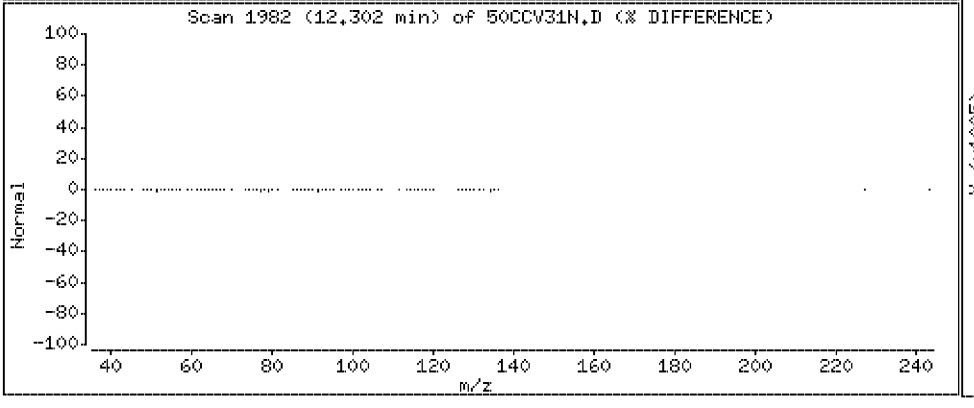
83 sec-Butylbenzene

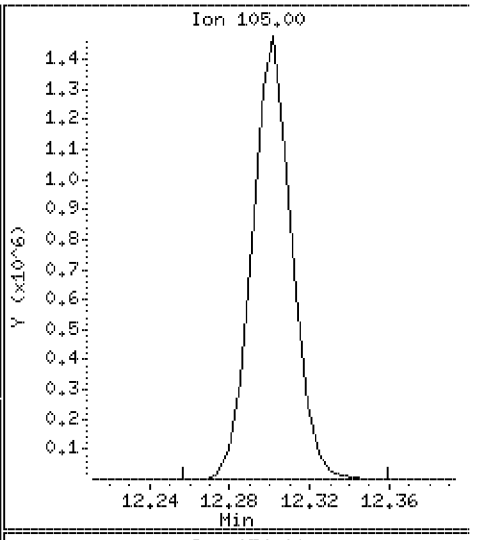
Concentration: 55.8 ug/l

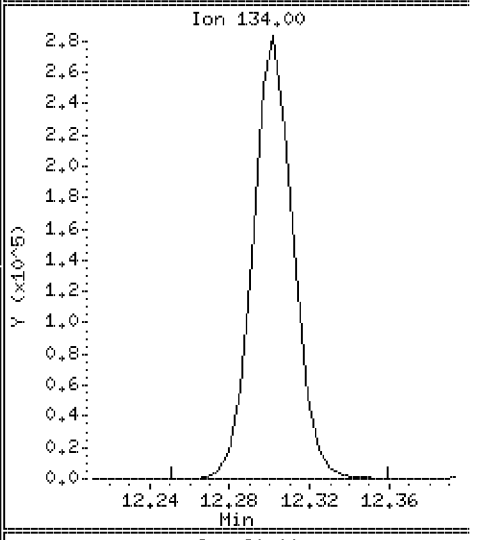


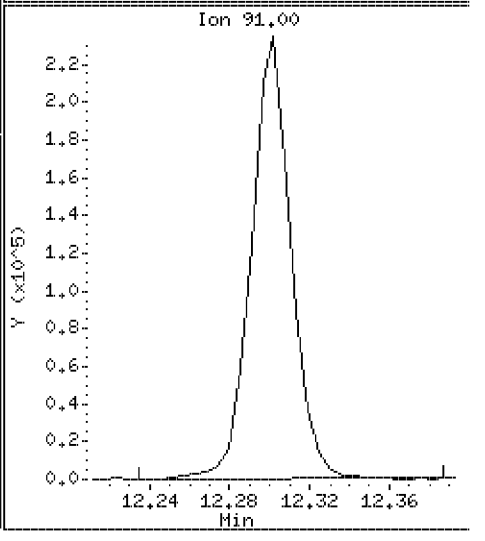












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

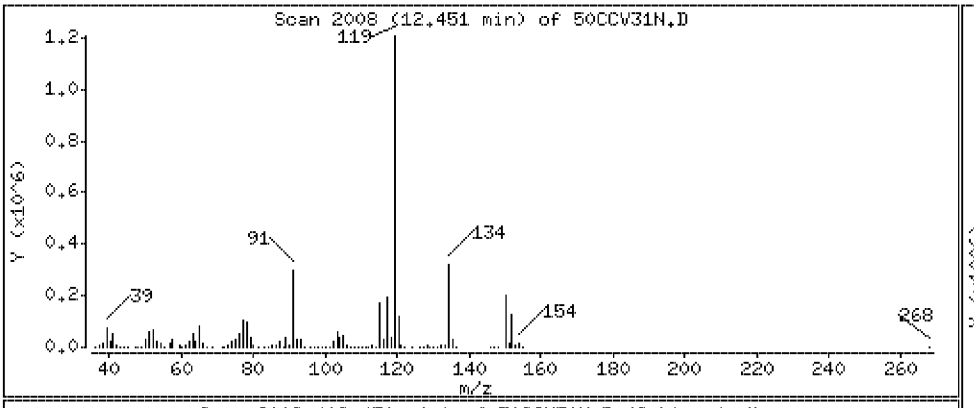
Operator:

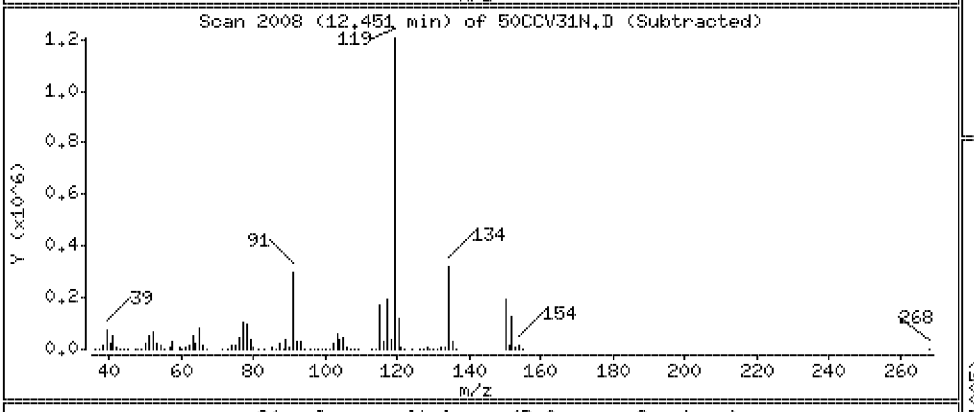
Column phase: RTX-502.2

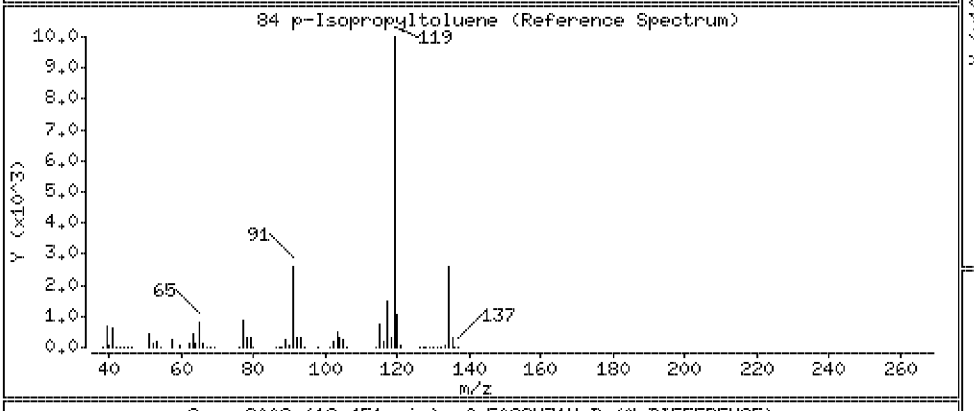
Column diameter: 0.18

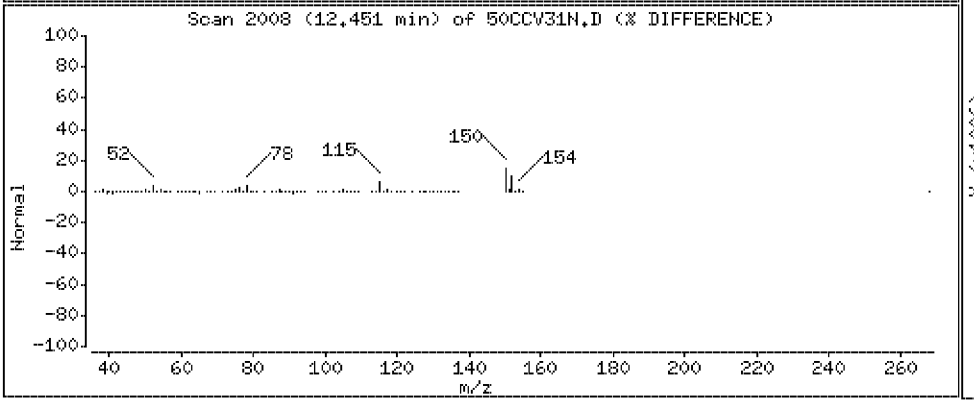
84 p-Isopropyltoluene

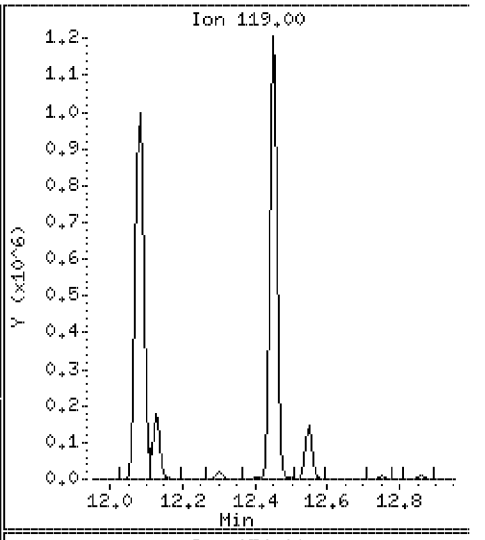
Concentration: 54.8 ug/l

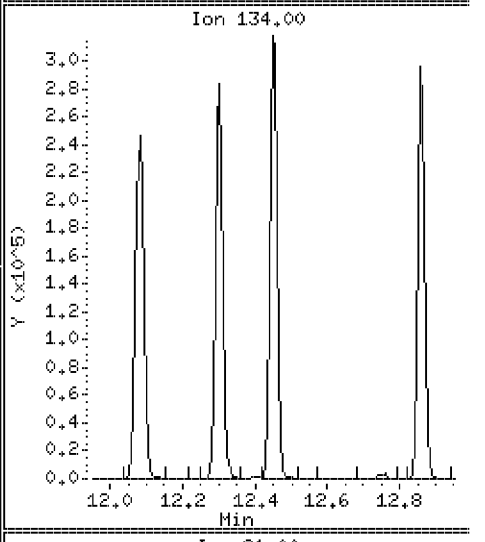


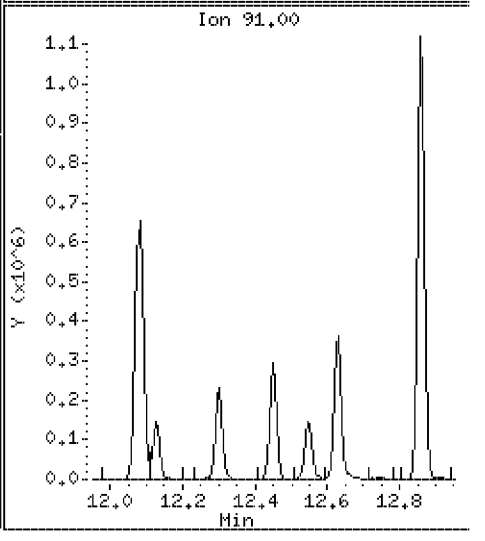












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

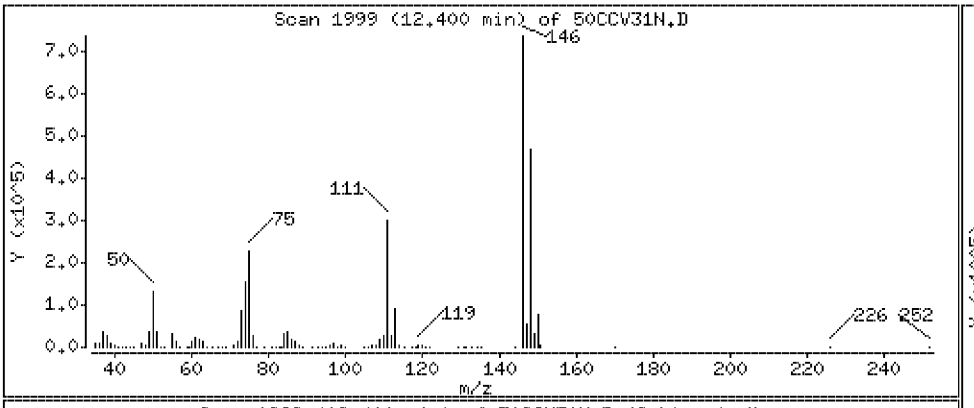
Operator:

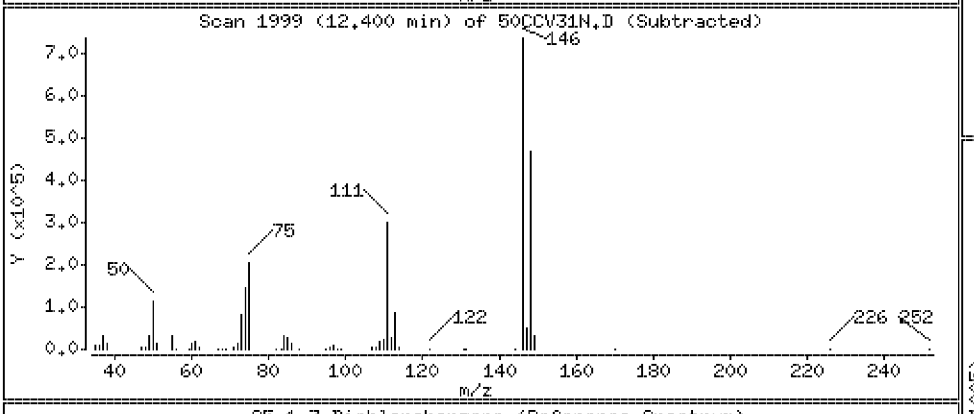
Column phase: RTX-502.2

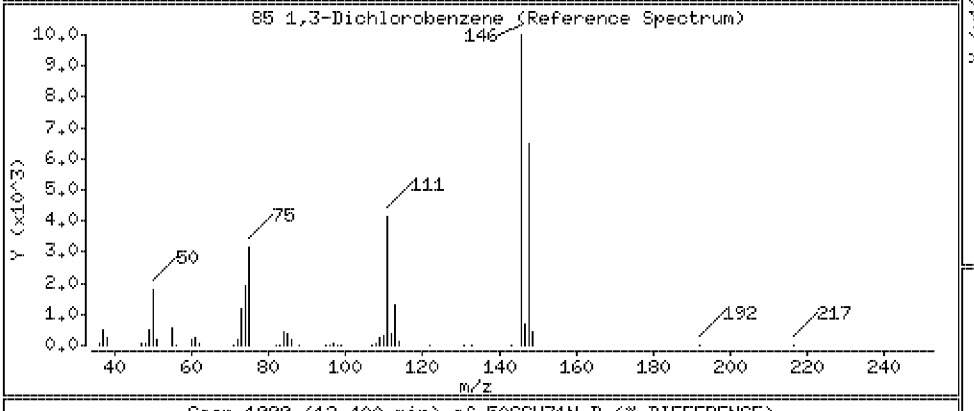
Column diameter: 0.18

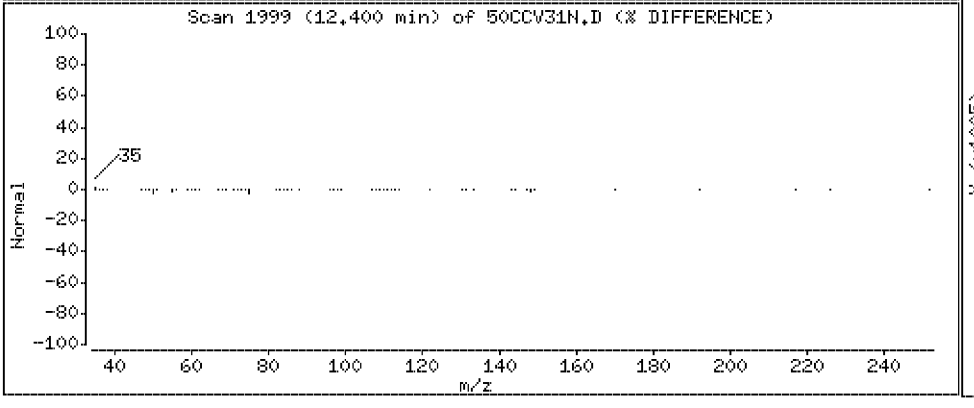
85 1,3-Dichlorobenzene

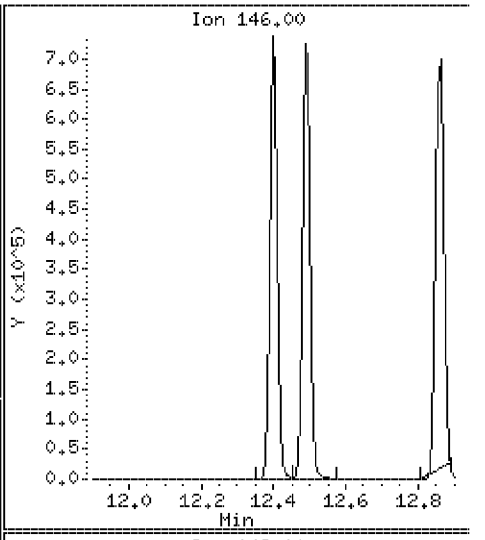
Concentration: 52.9 ug/l

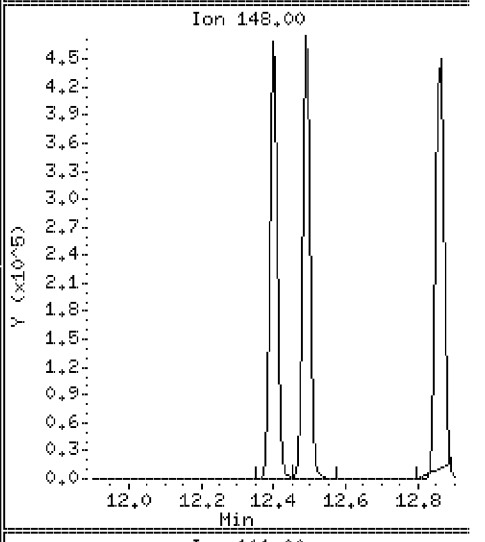


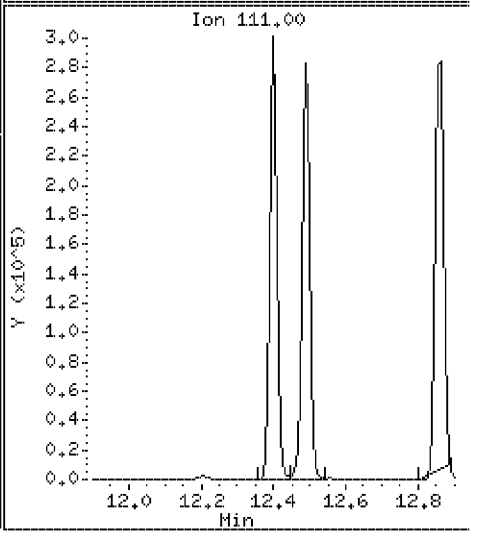












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

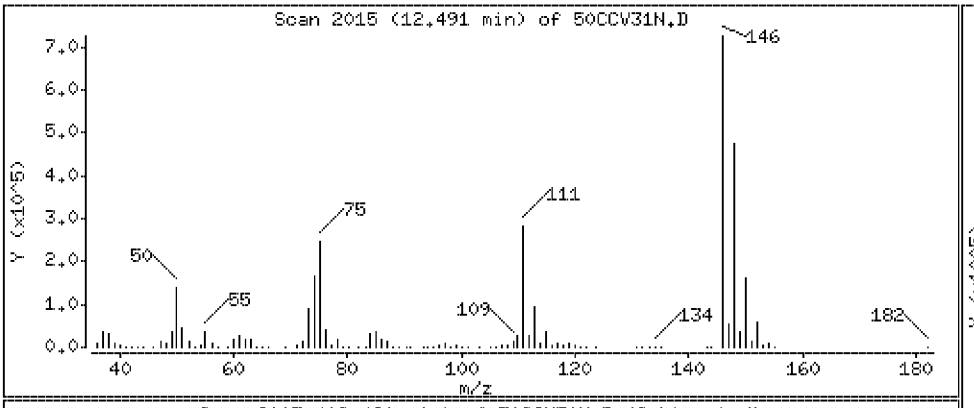
Operator:

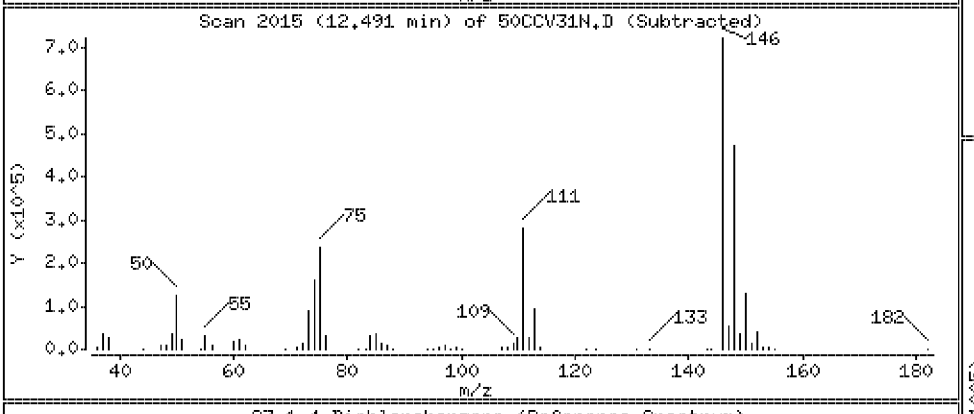
Column phase: RTX-502.2

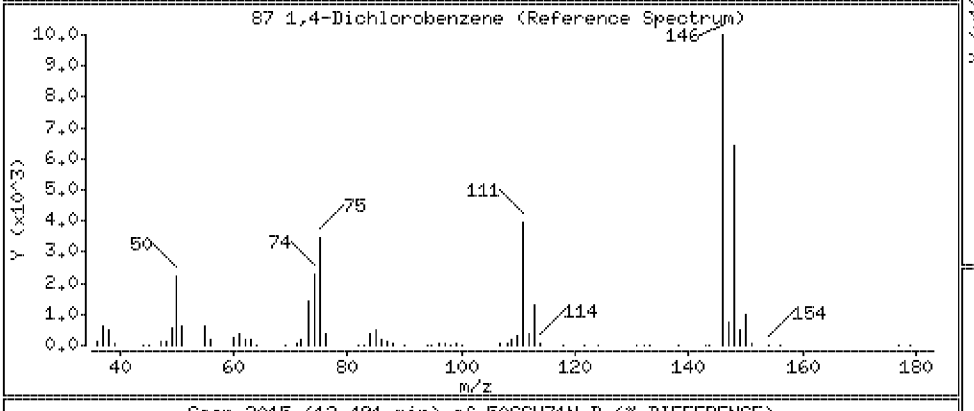
Column diameter: 0.18

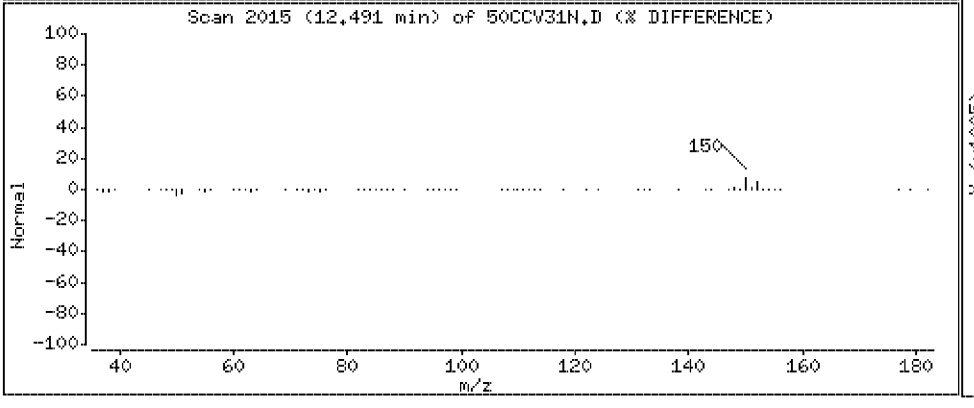
87 1,4-Dichlorobenzene

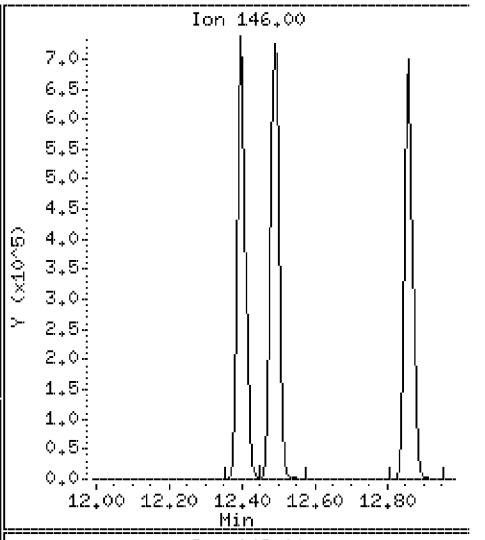
Concentration: 50.6 ug/l

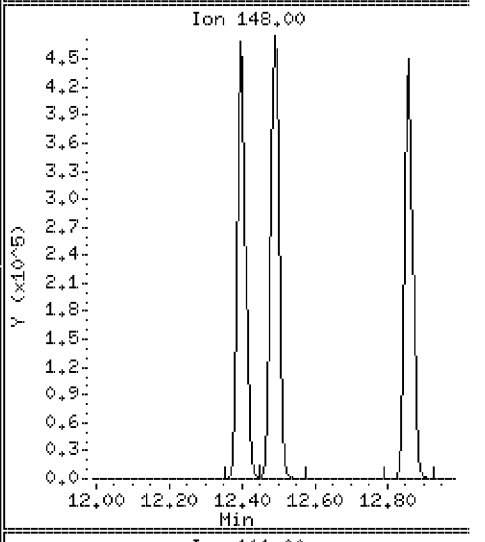


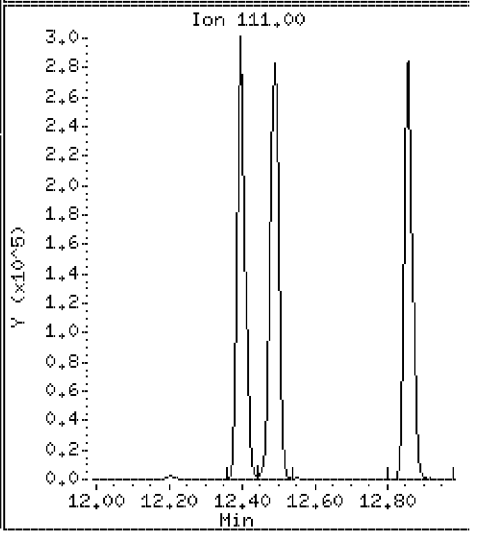












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

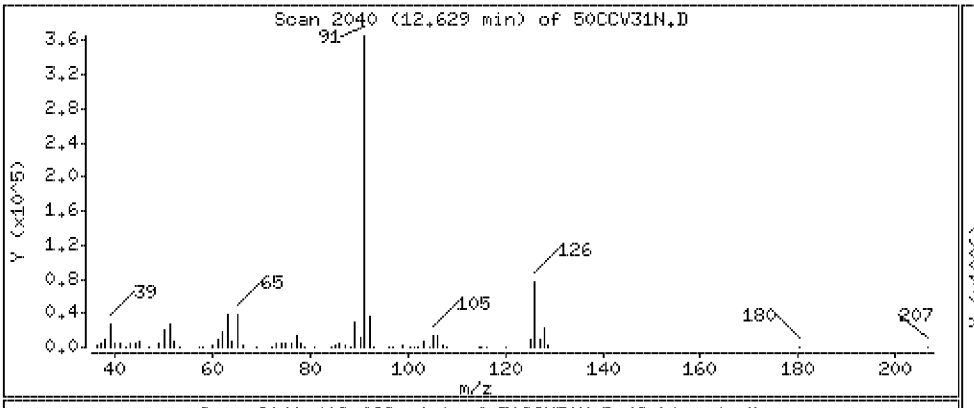
Operator:

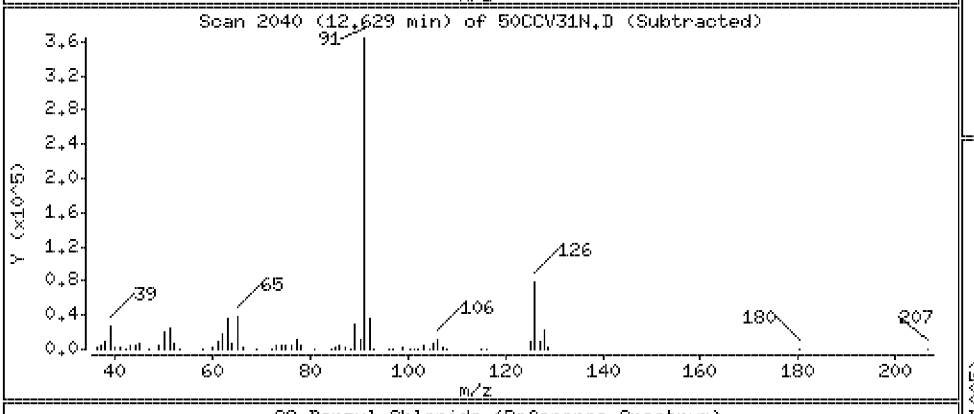
Column phase: RTX-502.2

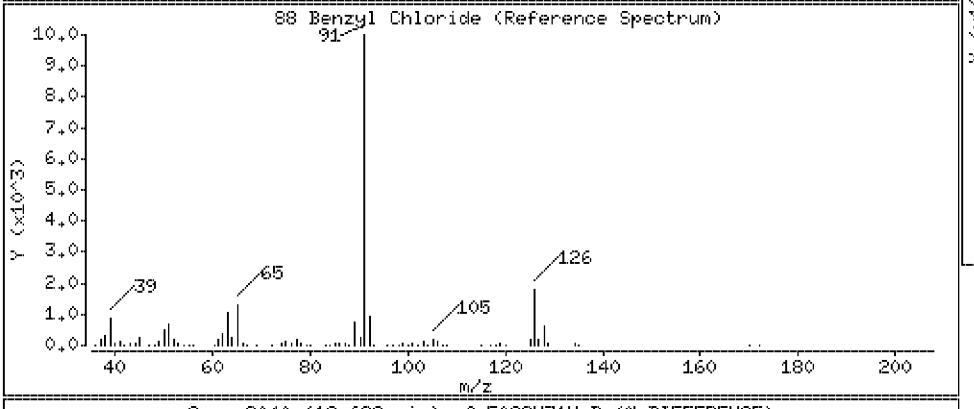
Column diameter: 0.18

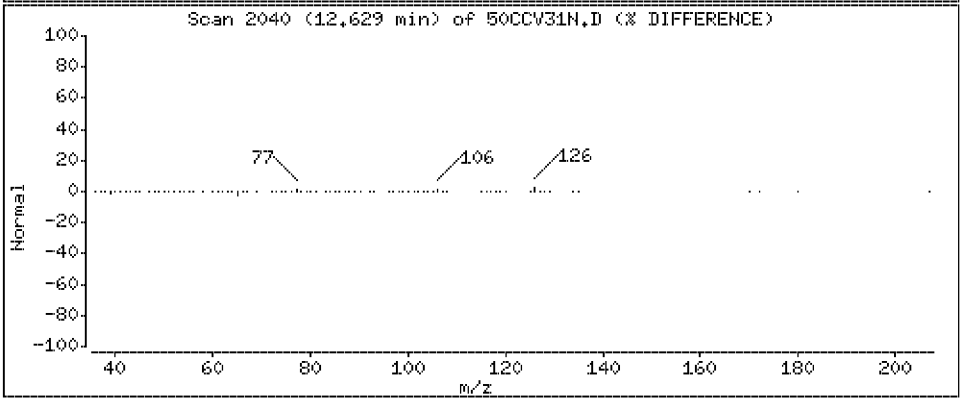
88 Benzyl Chloride

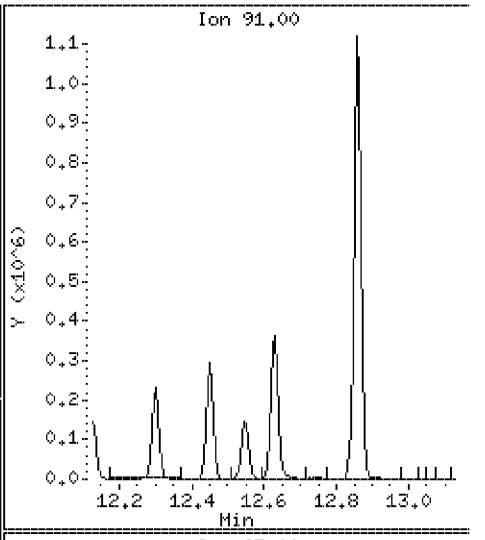
Concentration: 45.8 ug/l

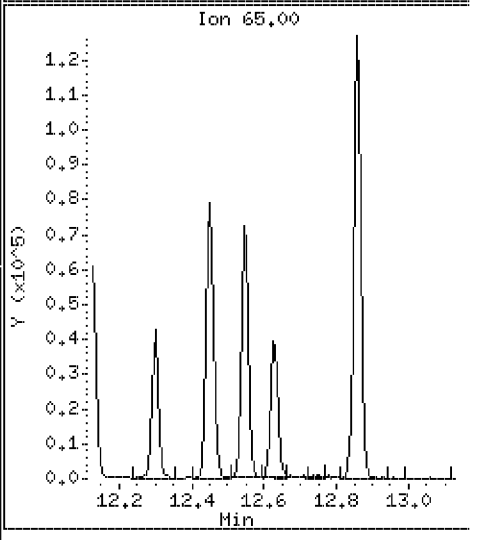












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

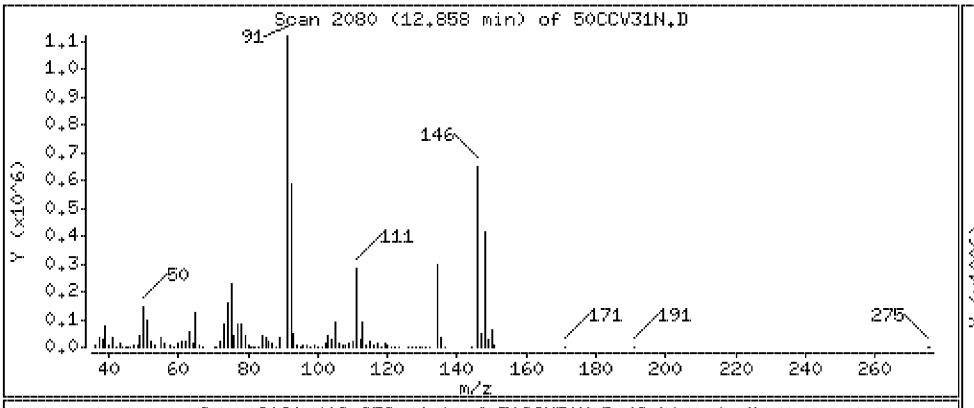
Operator:

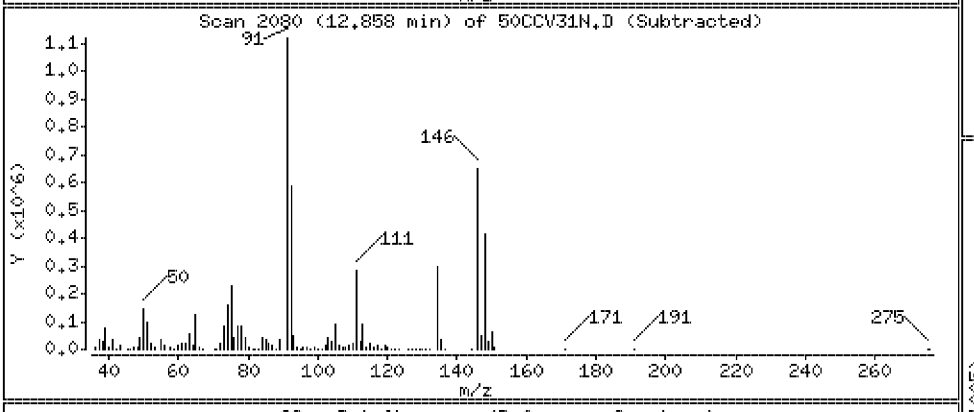
Column phase: RTX-502.2

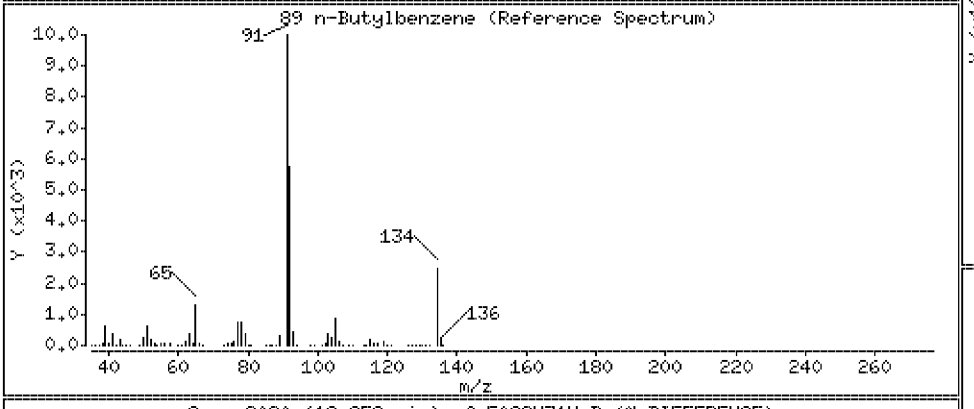
Column diameter: 0.18

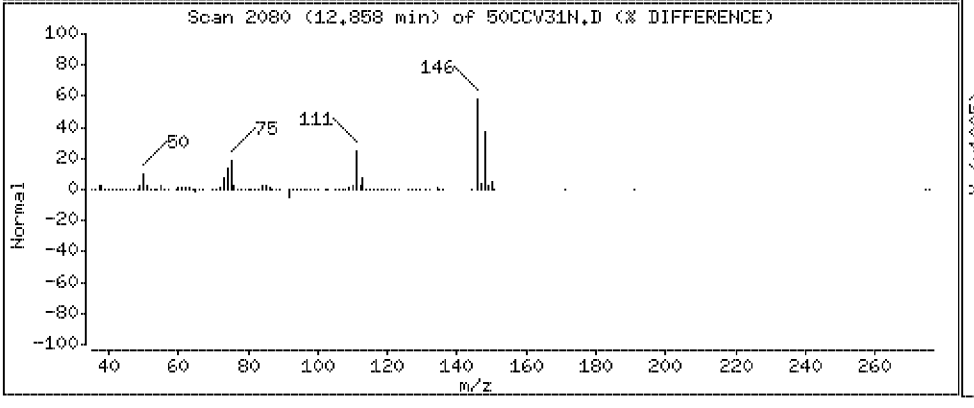
89 n-Butylbenzene

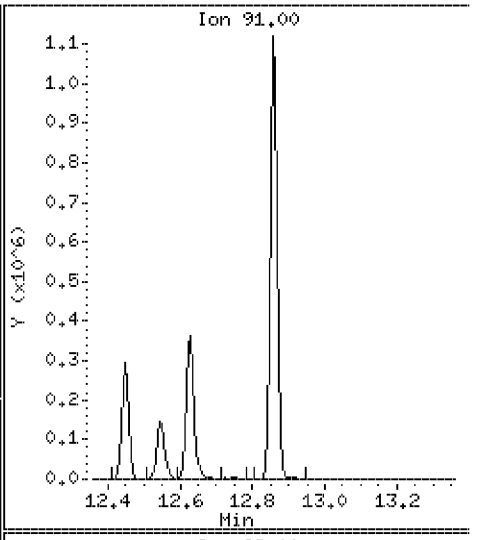
Concentration: 56.9 ug/l

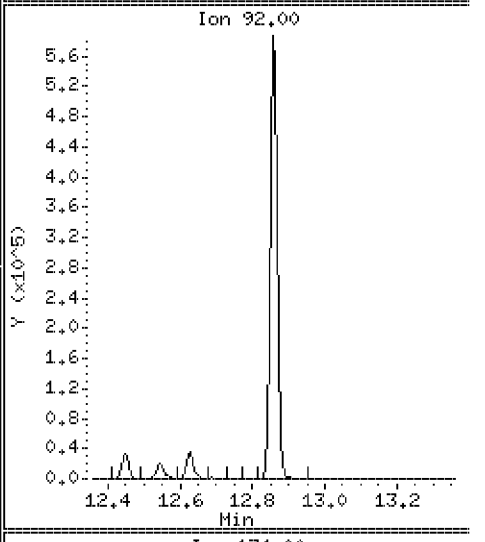


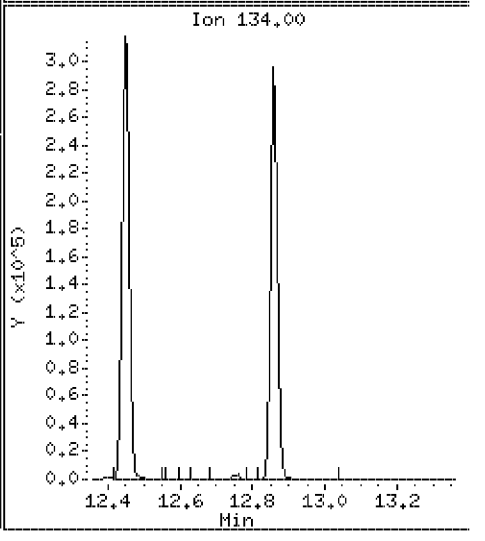












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

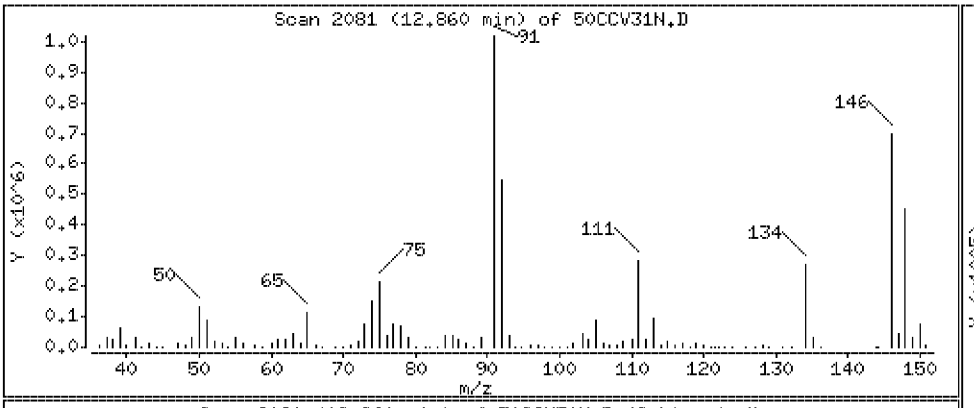
Operator:

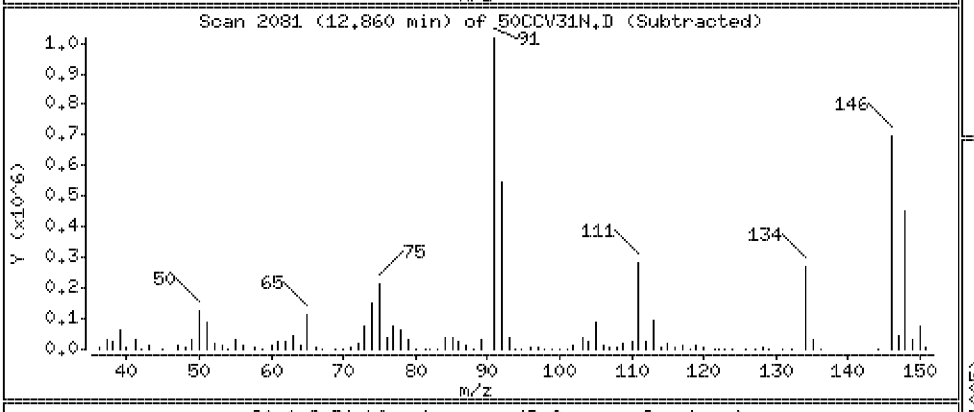
Column phase: RTX-502.2

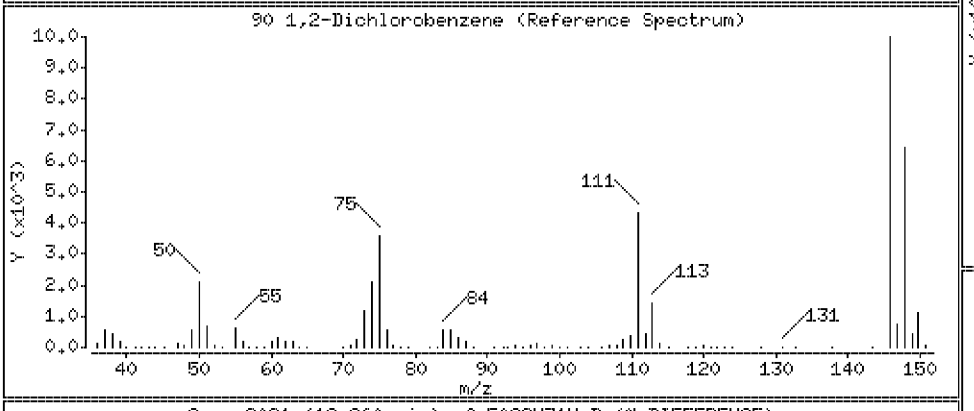
Column diameter: 0.18

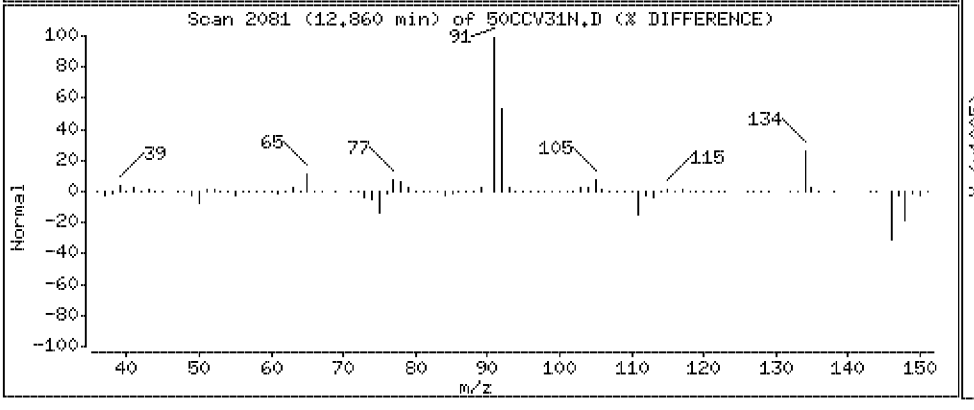
90 1,2-Dichlorobenzene

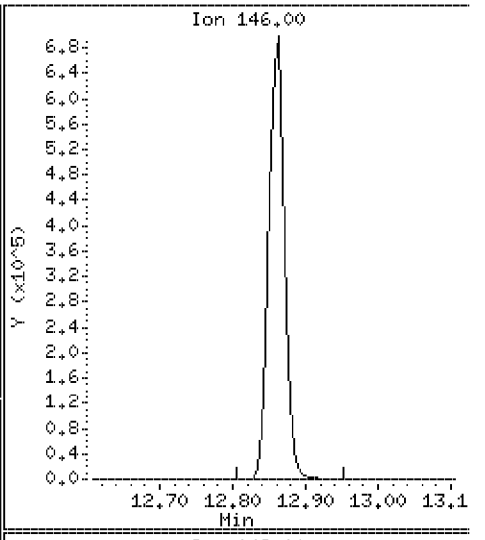
Concentration: 52.1 ug/l

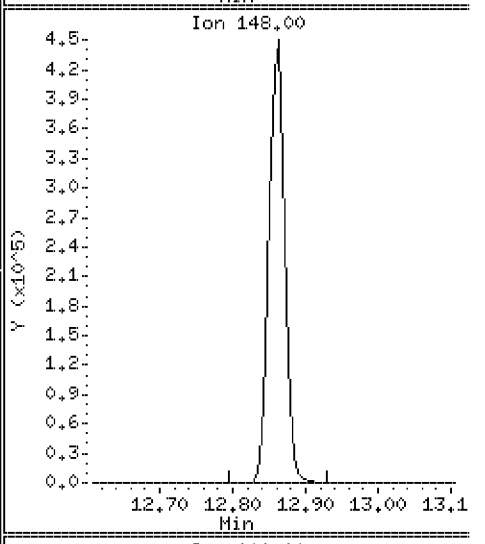


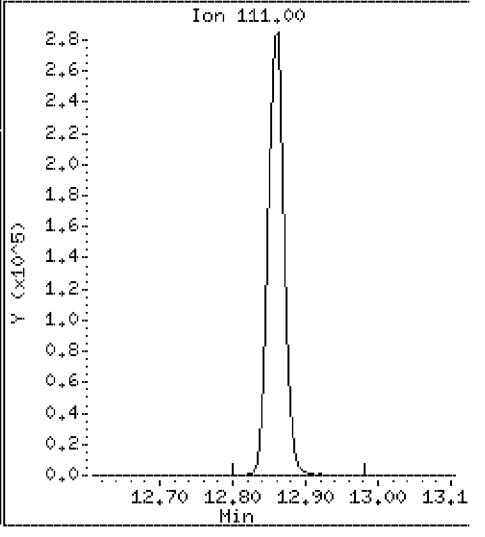












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

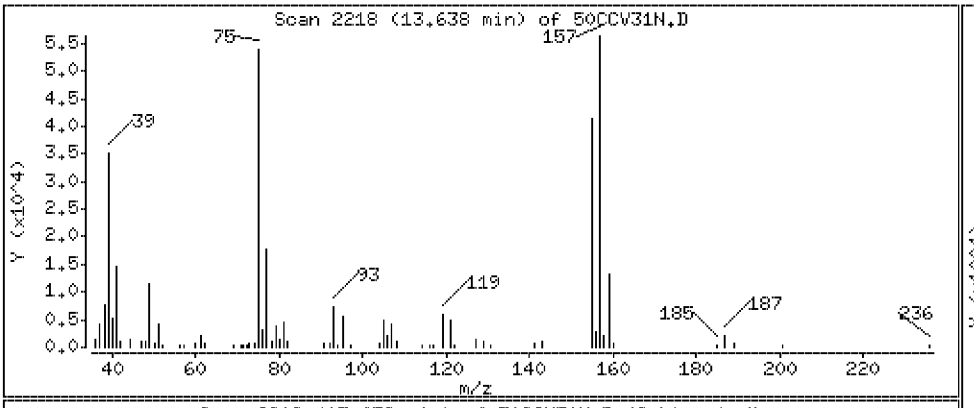
Operator:

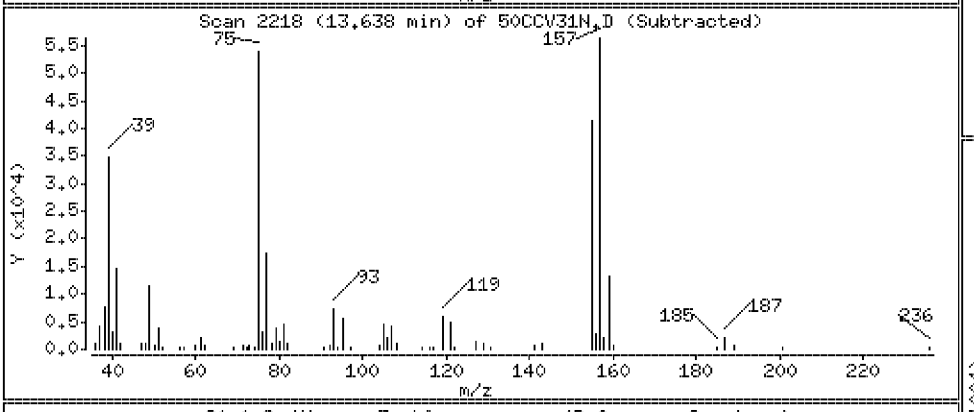
Column phase: RTX-502.2

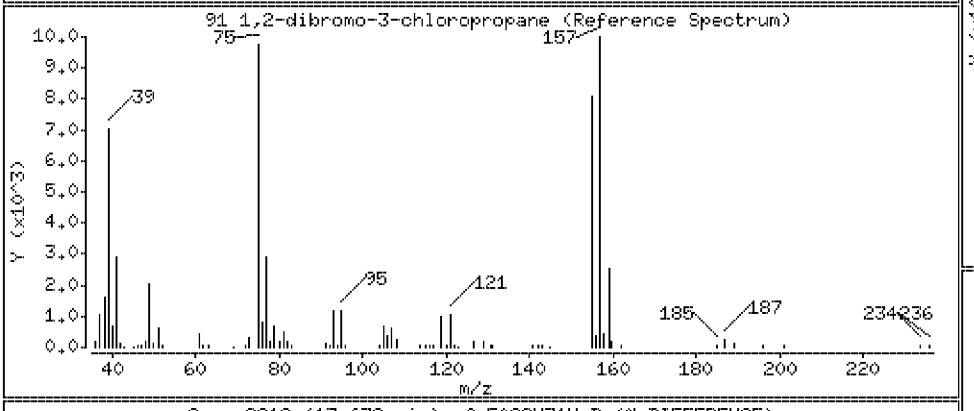
Column diameter: 0.18

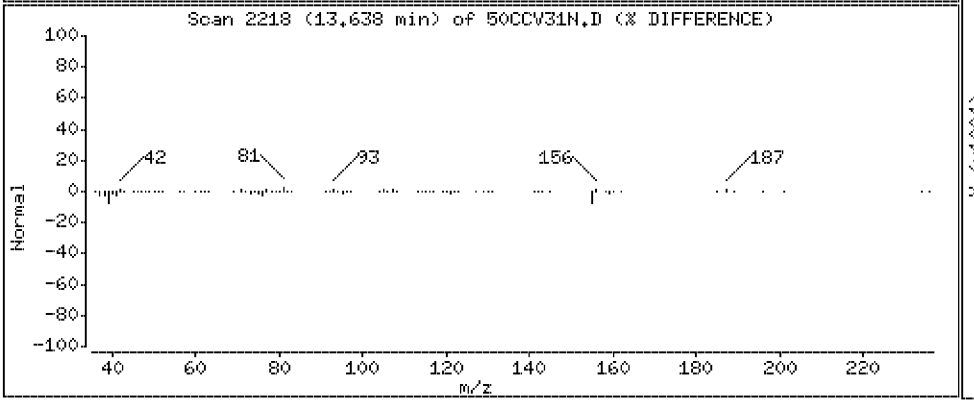
91 1,2-dibromo-3-chloropropane

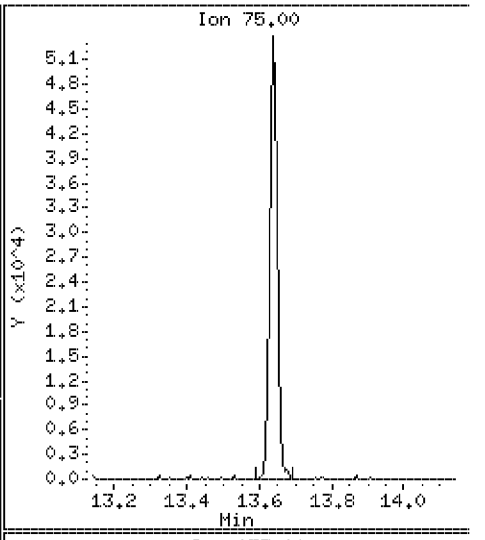
Concentration: 48.2 ug/l

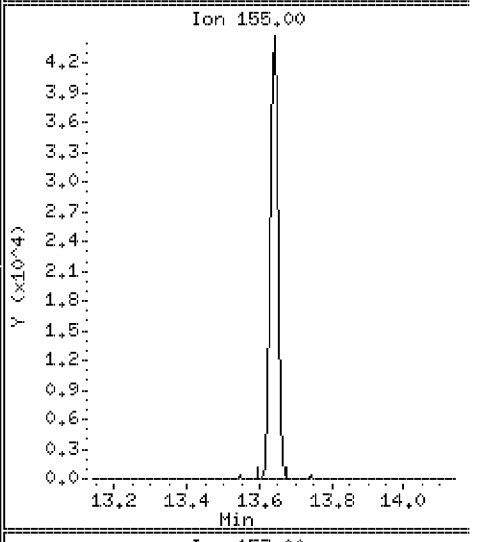


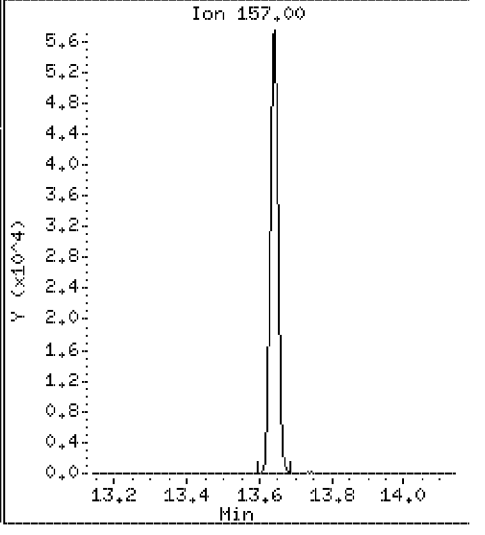












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

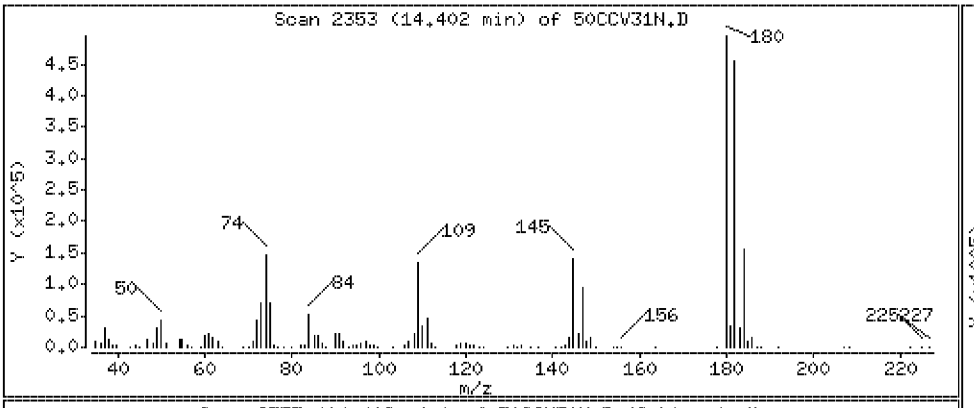
Operator:

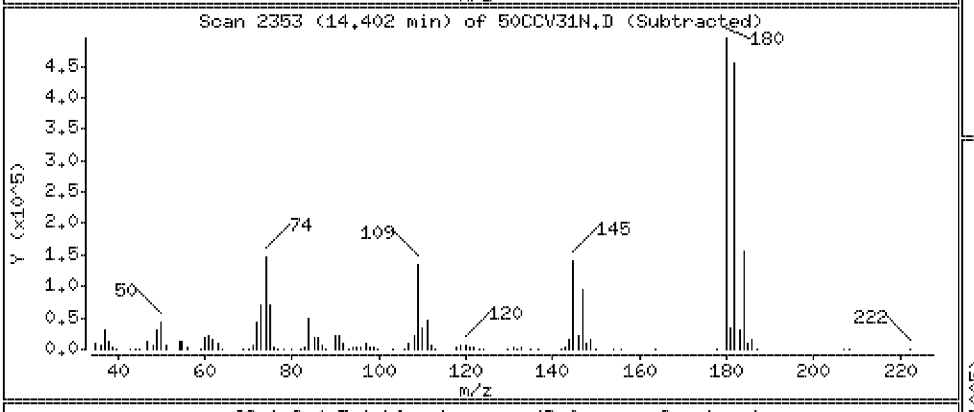
Column phase: RTX-502.2

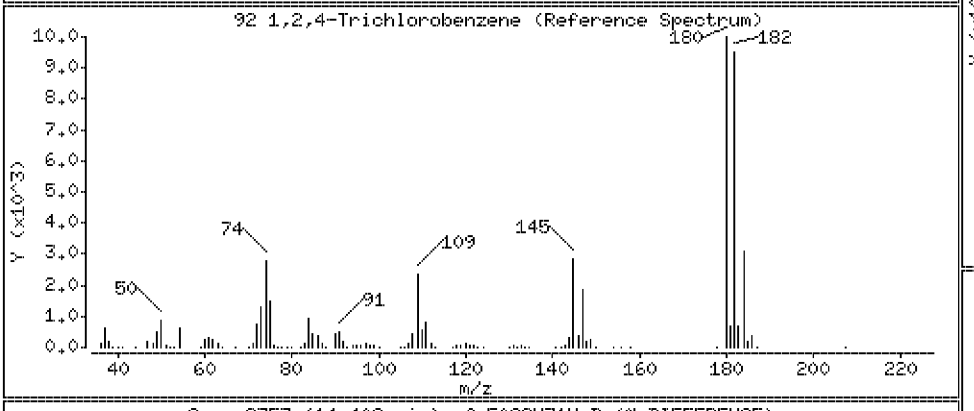
Column diameter: 0.18

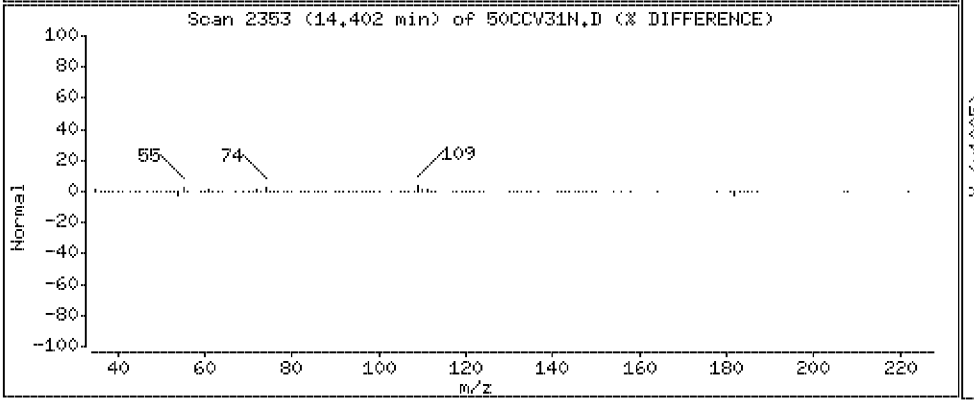
92 1,2,4-Trichlorobenzene

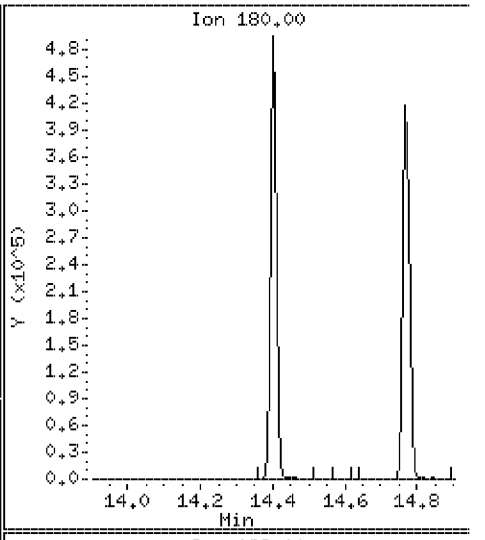
Concentration: 55.4 ug/l

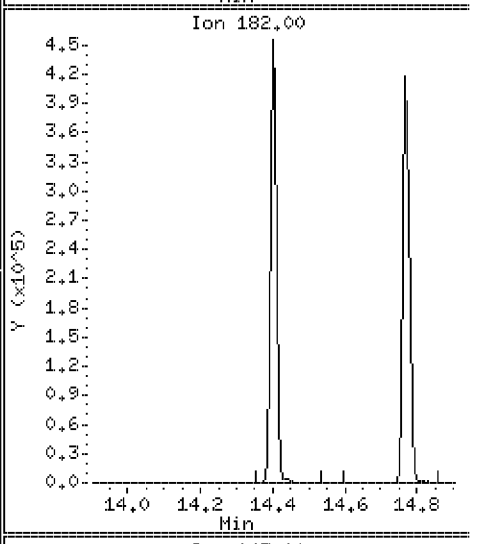


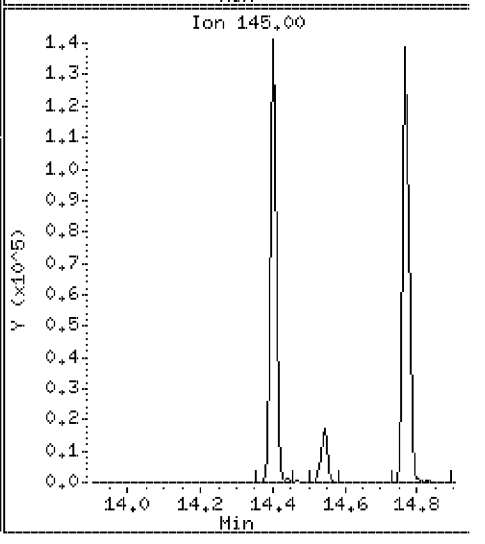












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

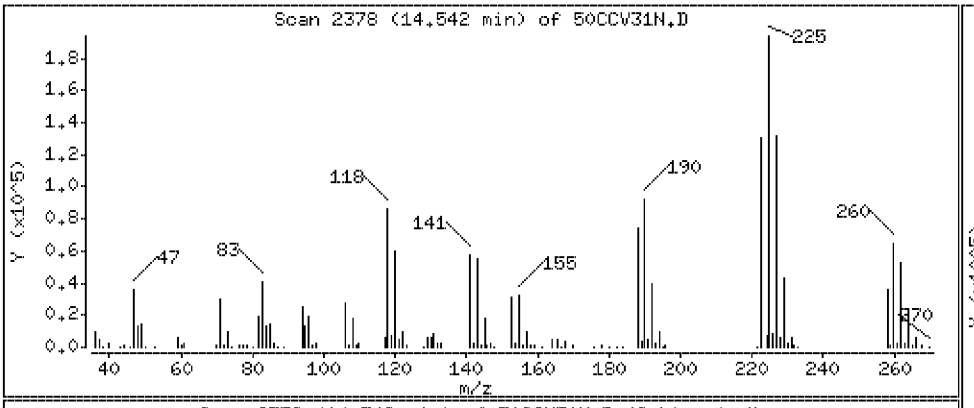
Operator:

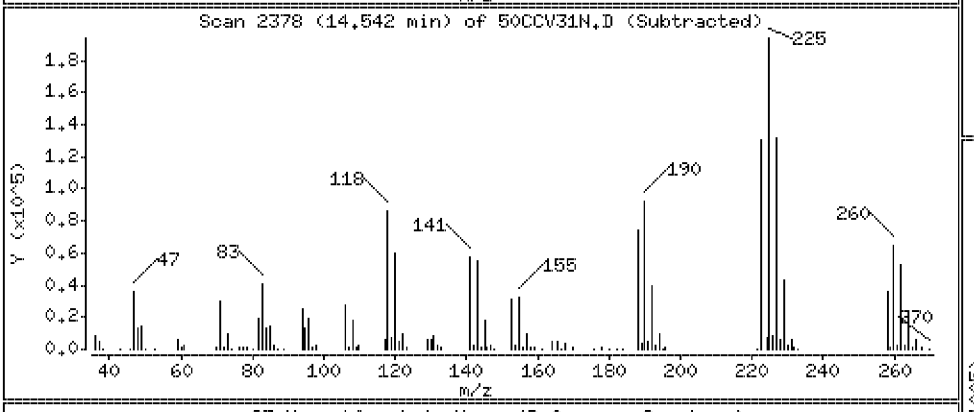
Column phase: RTX-502.2

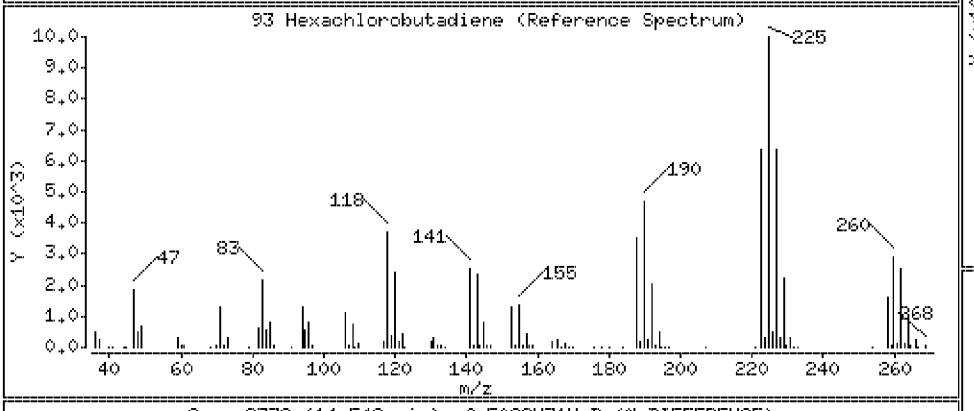
Column diameter: 0.18

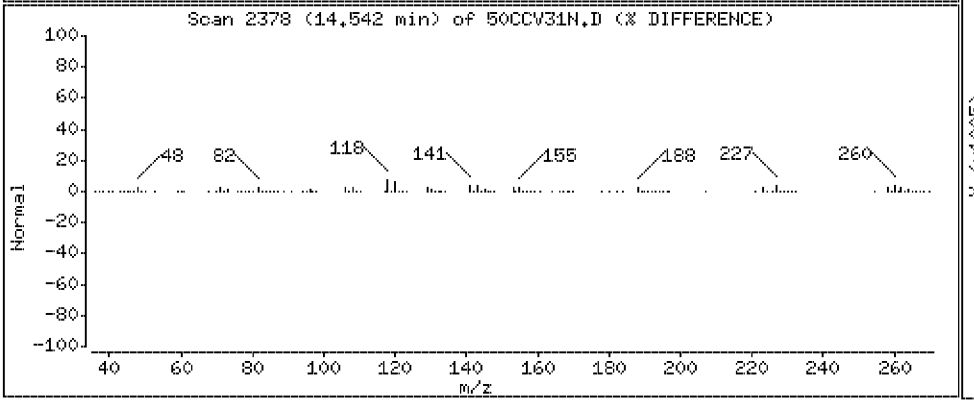
93 Hexachlorobutadiene

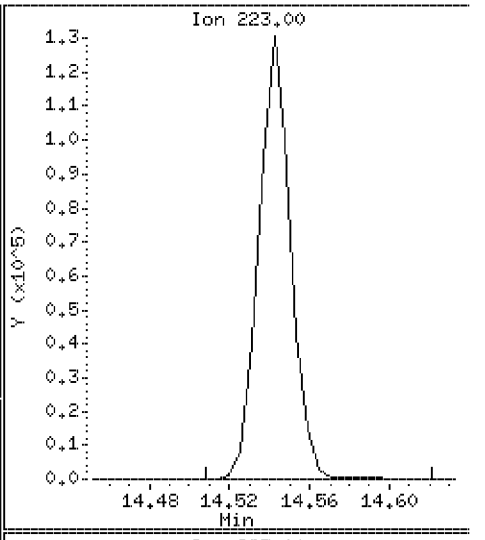
Concentration: 57.0 ug/l

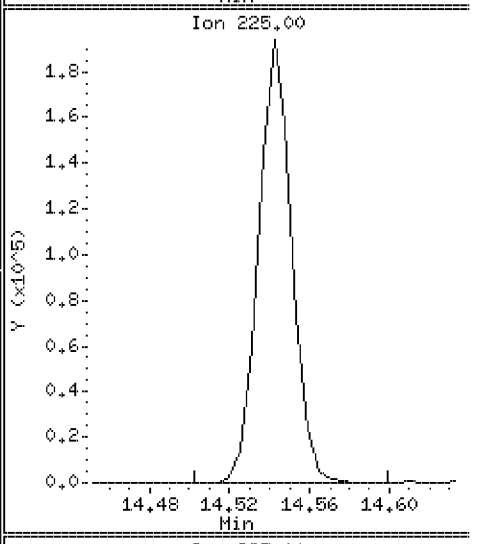


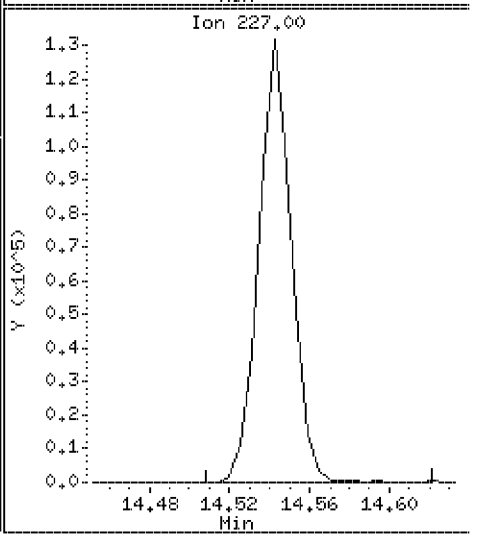












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

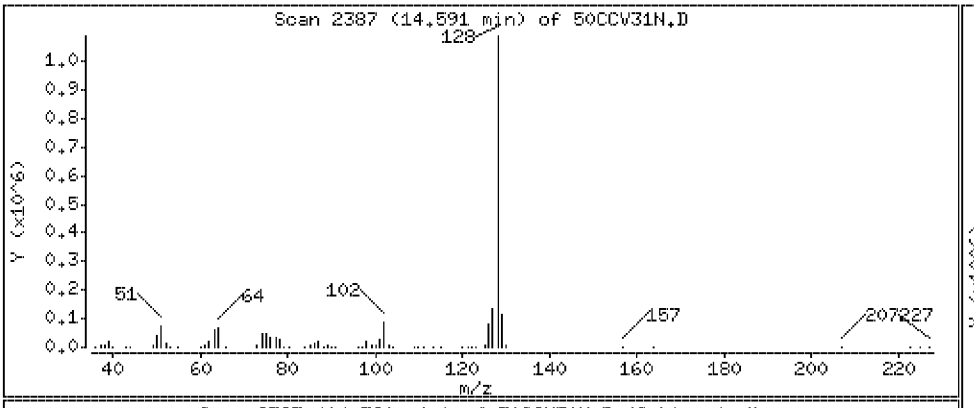
Operator:

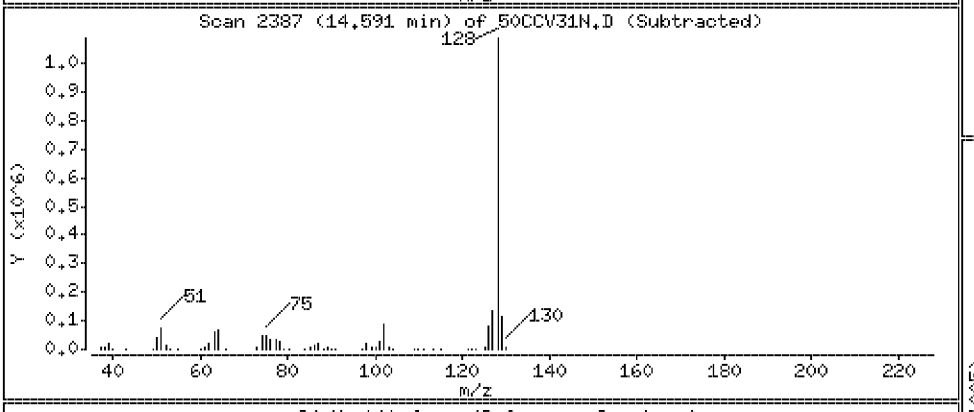
Column phase: RTX-502.2

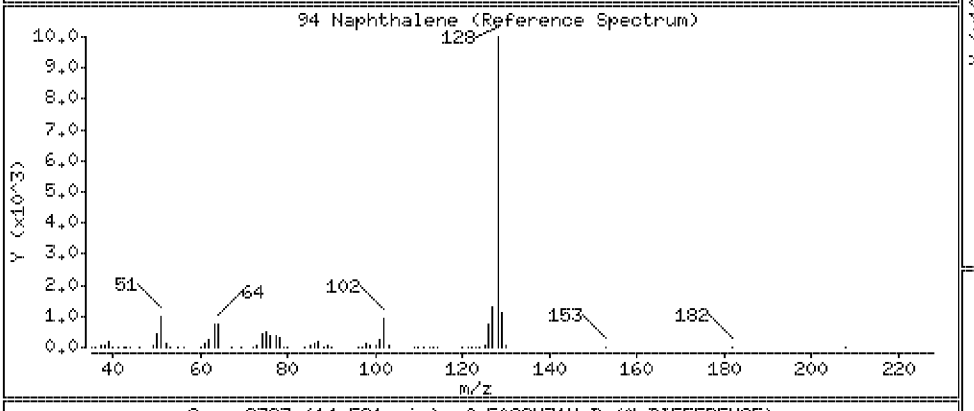
Column diameter: 0.18

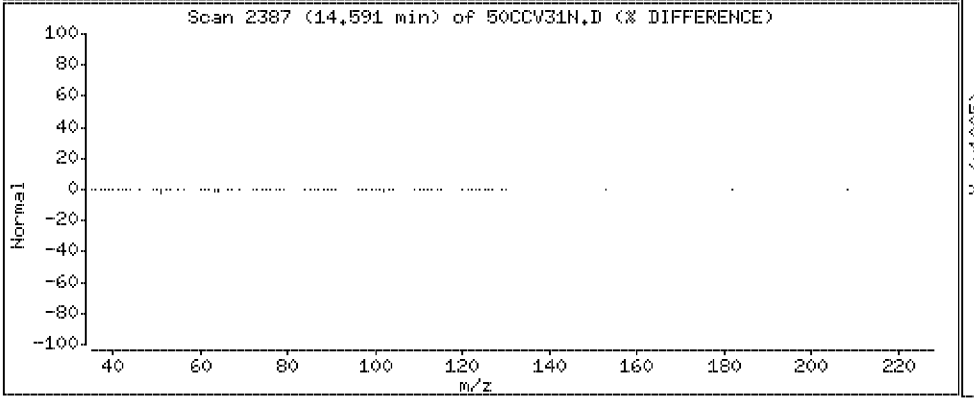
94 Naphthalene

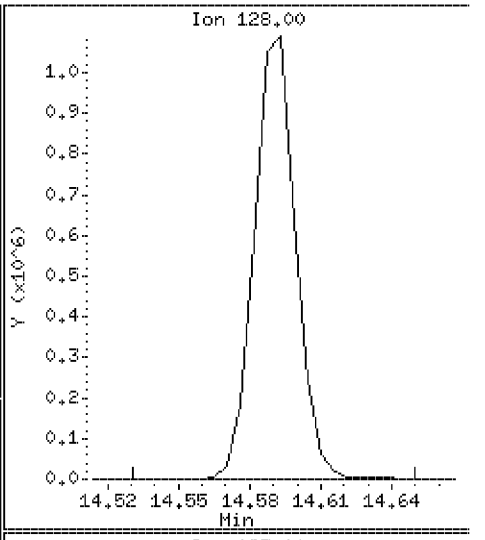
Concentration: 44.2 ug/l

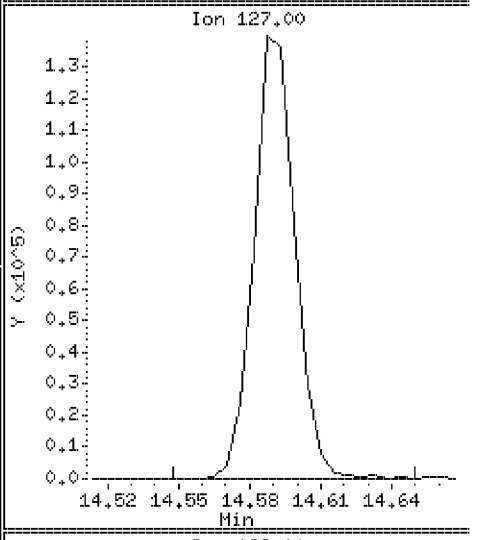


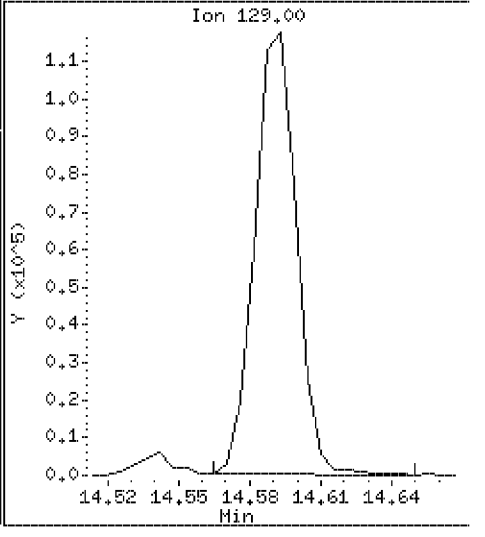












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

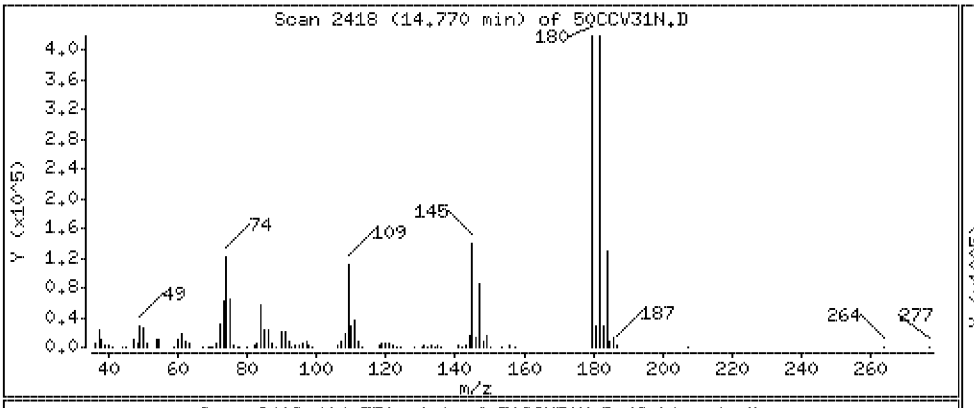
Client ID: 072710CCVA31 Instrument: vms03.i

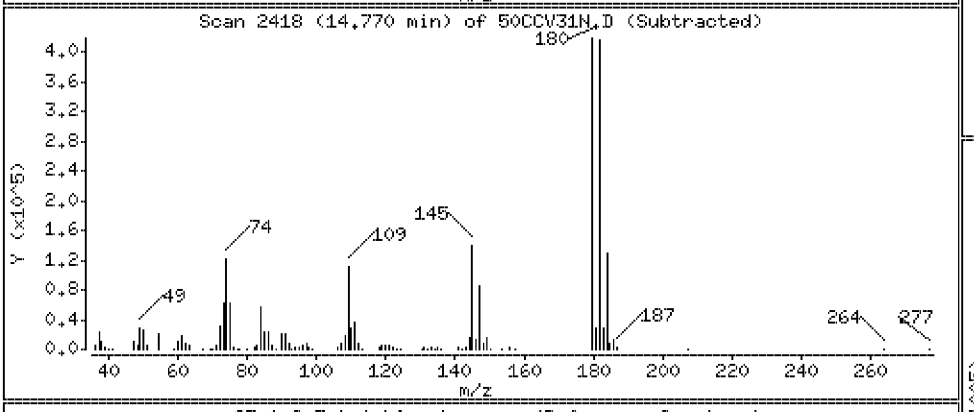
Sample Info: 072710CCVA31

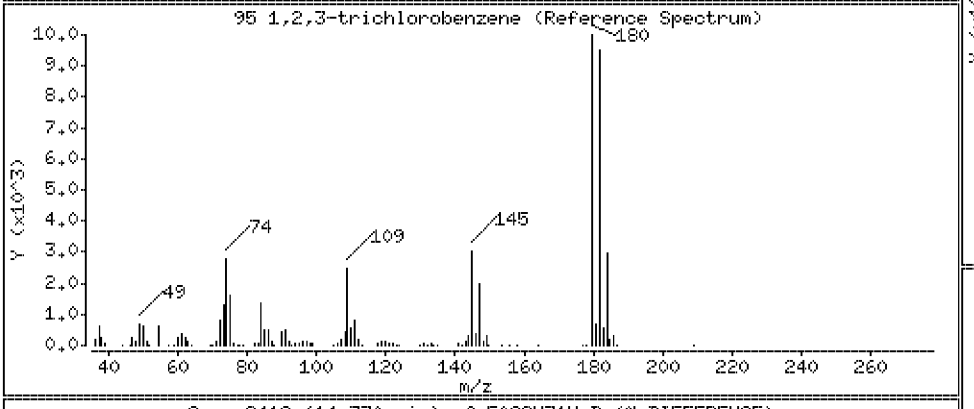
Purge Volume: 5.0 Operator:

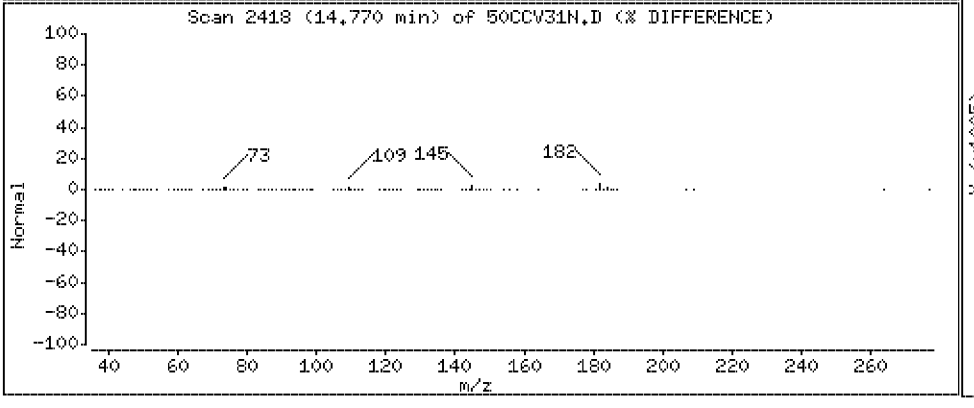
Column phase: RTX-502.2 Column diameter: 0.18

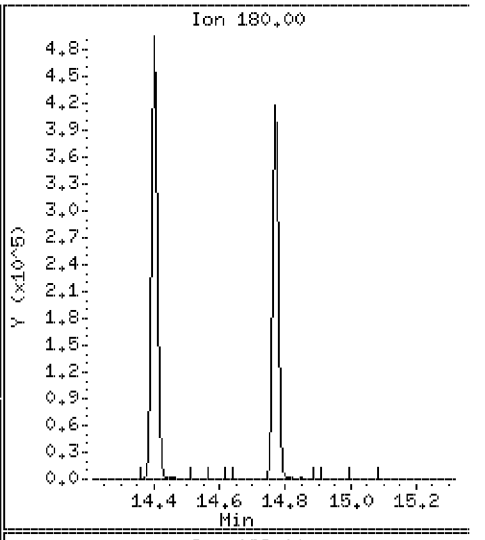
95 1,2,3-trichlorobenzene Concentration: 46.7 ug/l

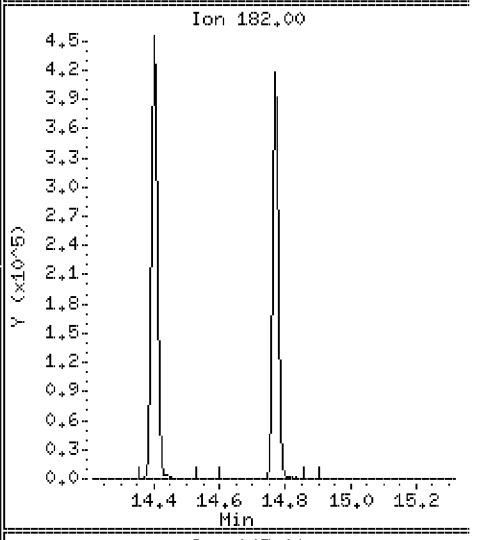


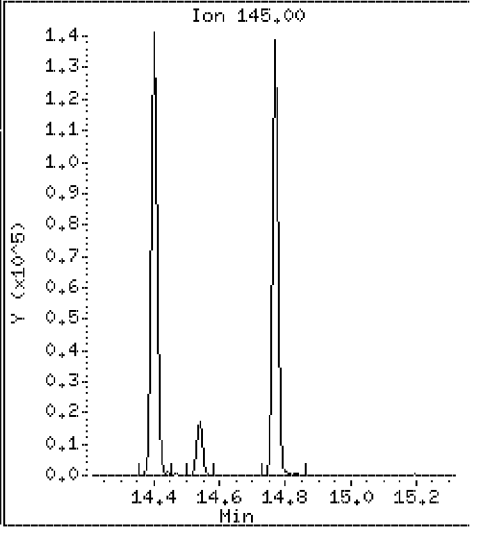












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

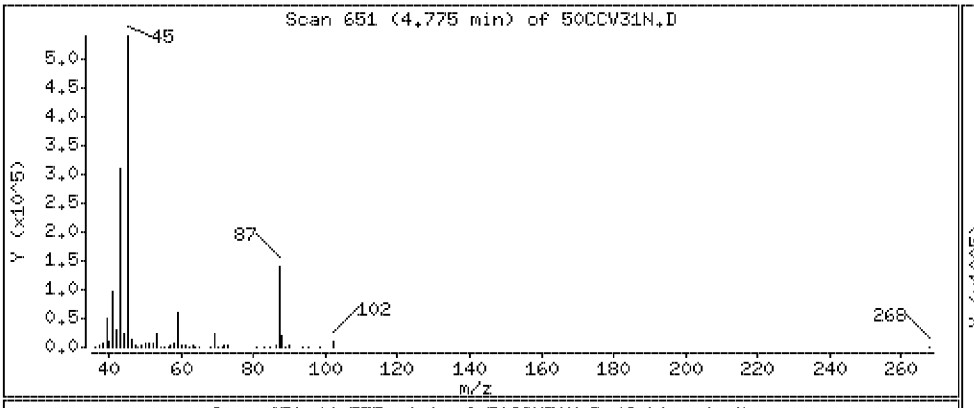
Operator:

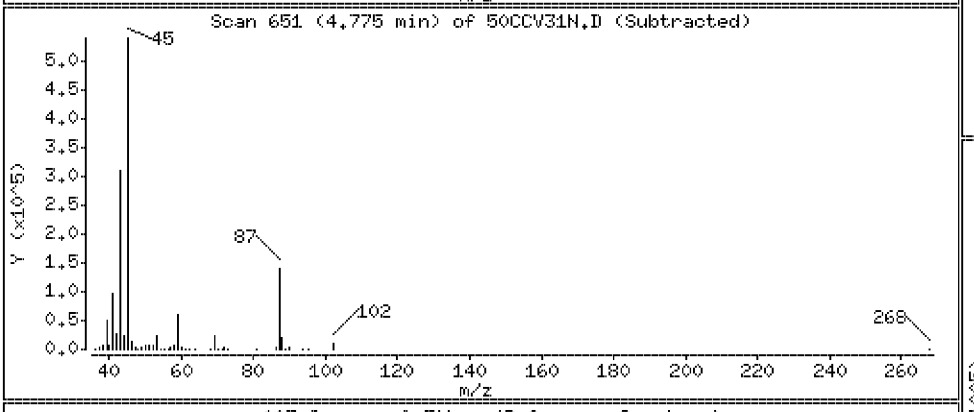
Column phase: RTX-502.2

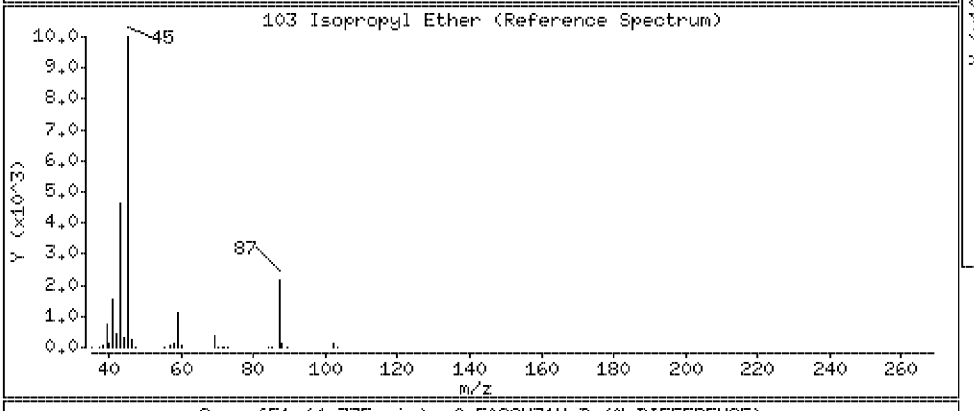
Column diameter: 0.18

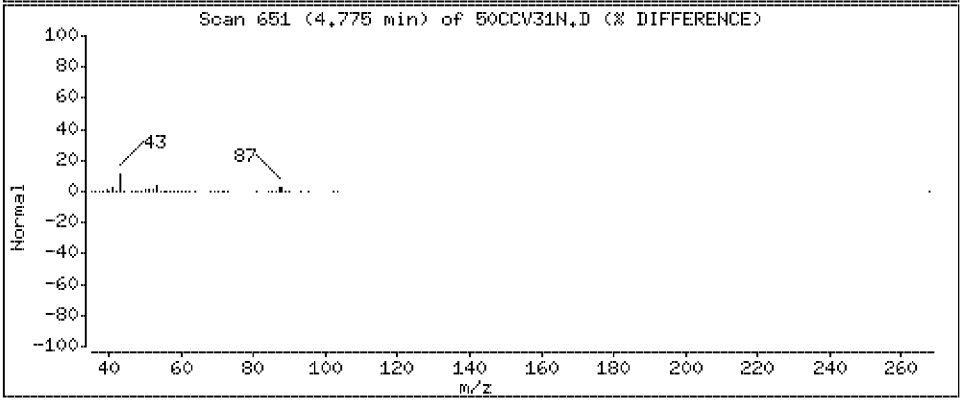
103 Isopropyl Ether

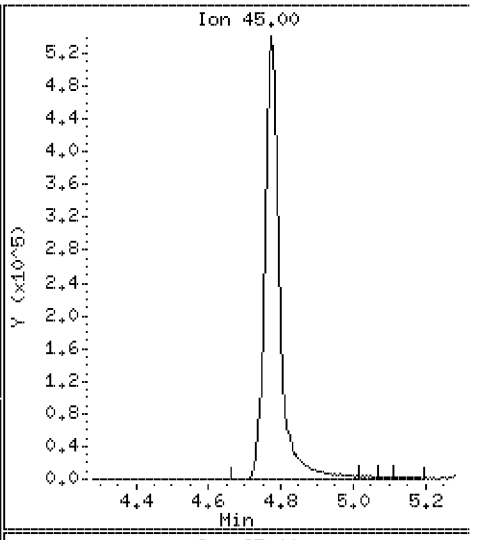
Concentration: 53.8 ug/l

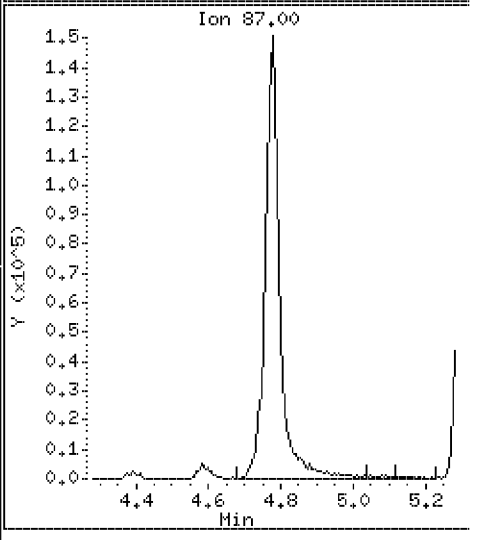












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

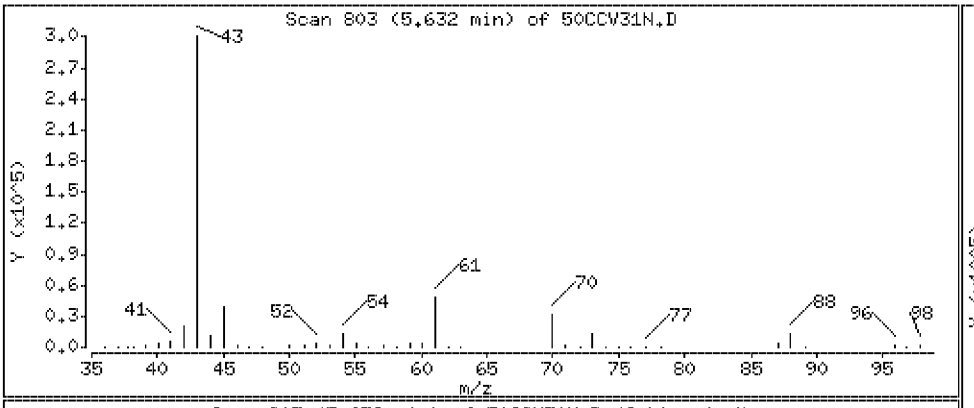
Client ID: 072710CCVA31 Instrument: vms03.i

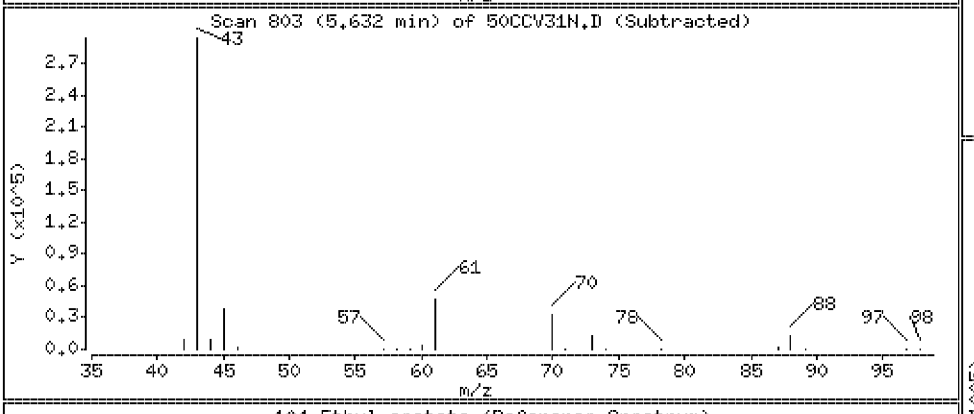
Sample Info: 072710CCVA31

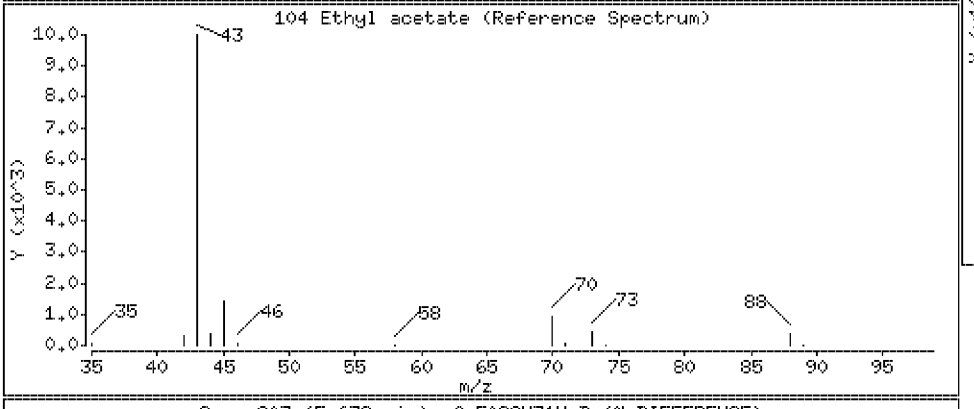
Purge Volume: 5.0 Operator:

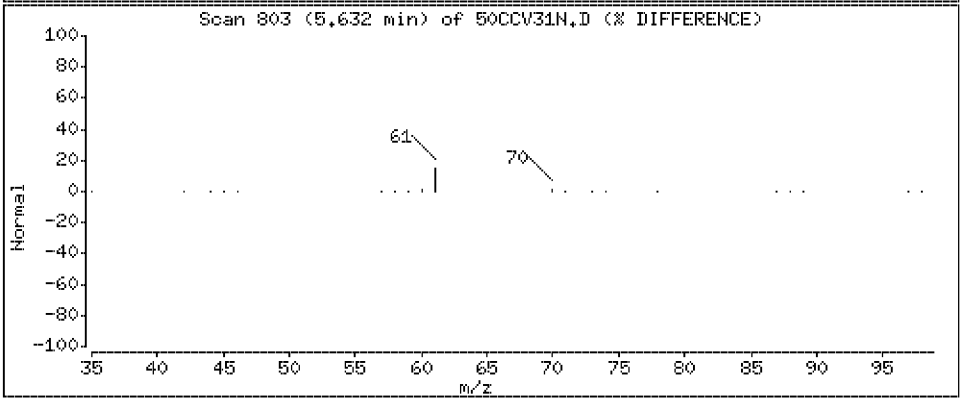
Column phase: RTX-502.2 Column diameter: 0.18

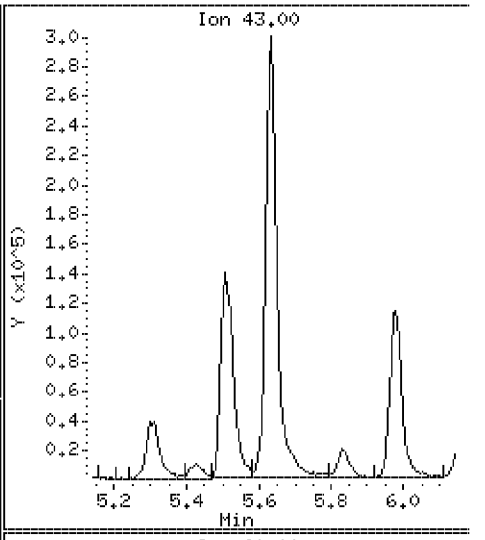
104 Ethyl acetate Concentration: 97.5 ug/l

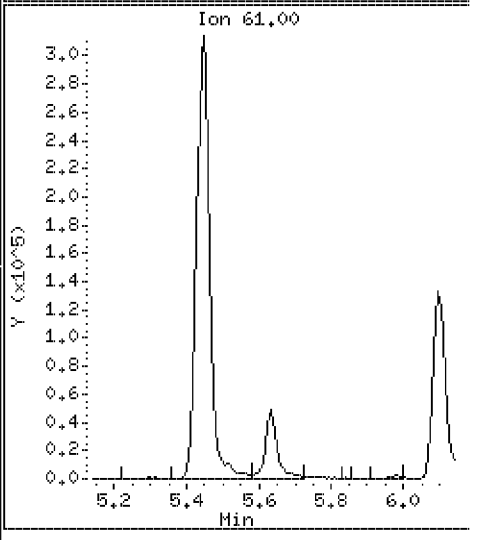












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

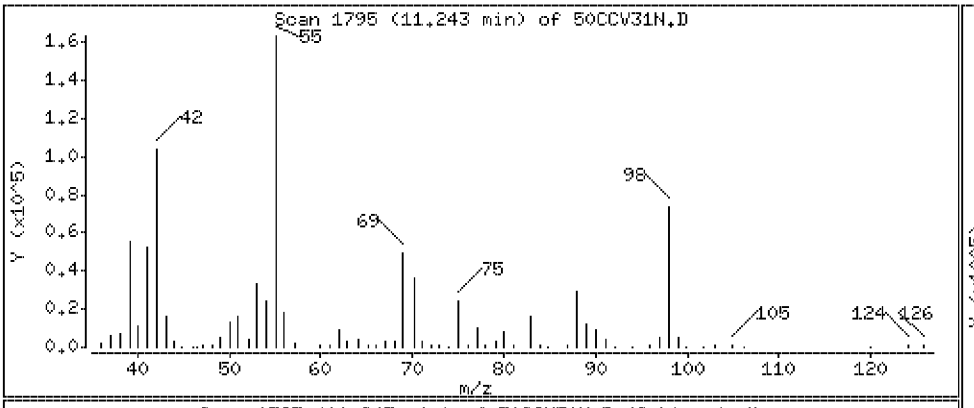
Operator:

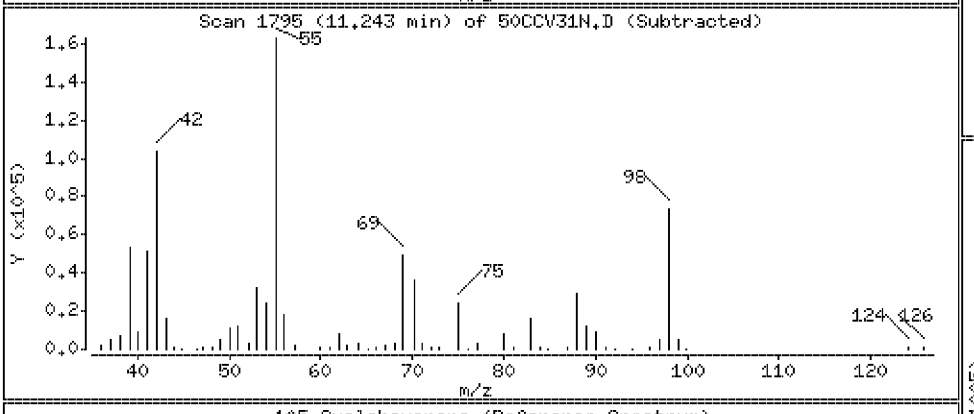
Column phase: RTX-502.2

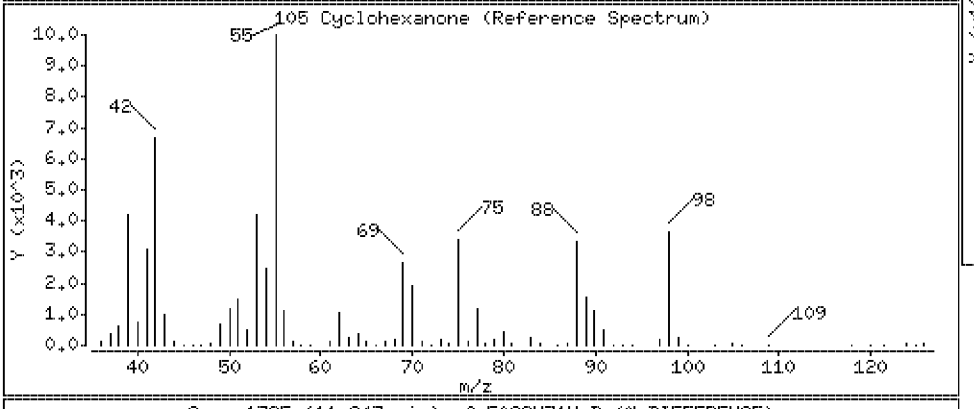
Column diameter: 0.18

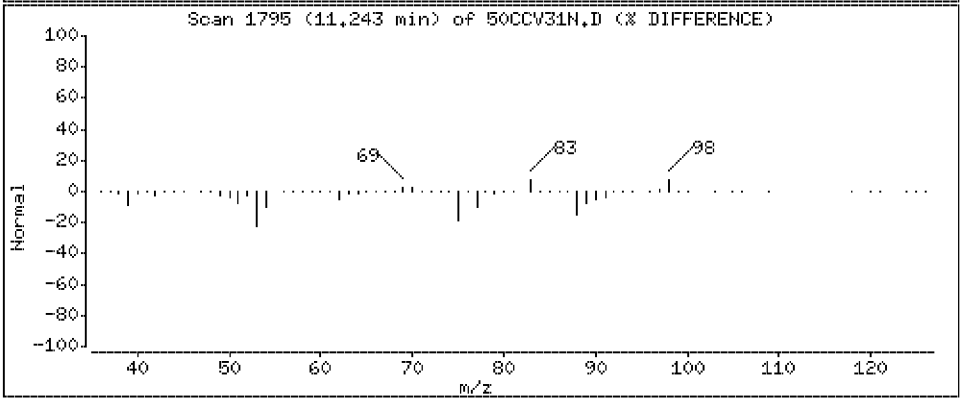
105 Cyclohexanone

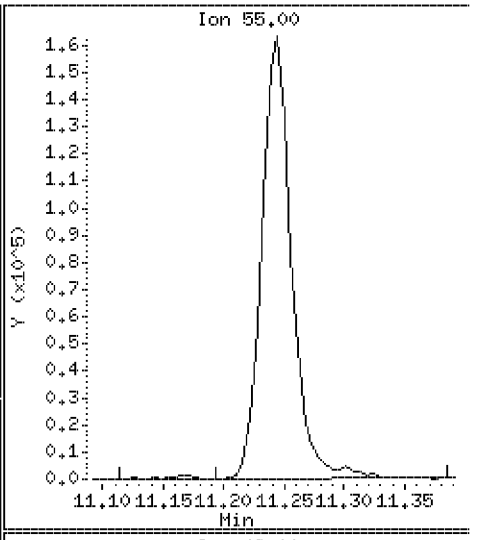
Concentration: 844 ug/l

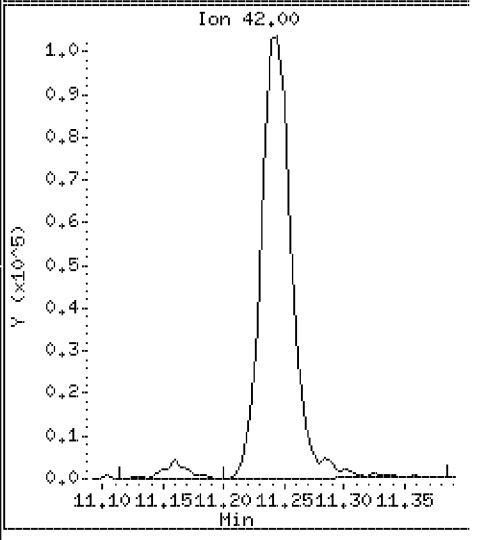












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

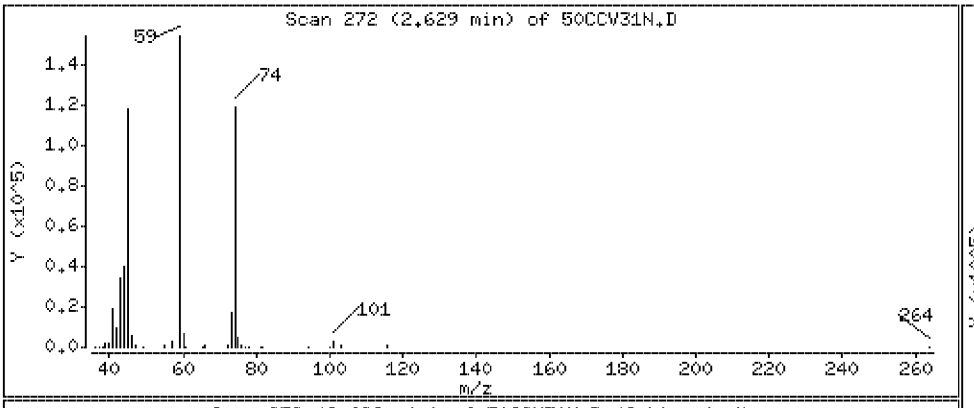
Client ID: 072710CCVA31 Instrument: vms03.i

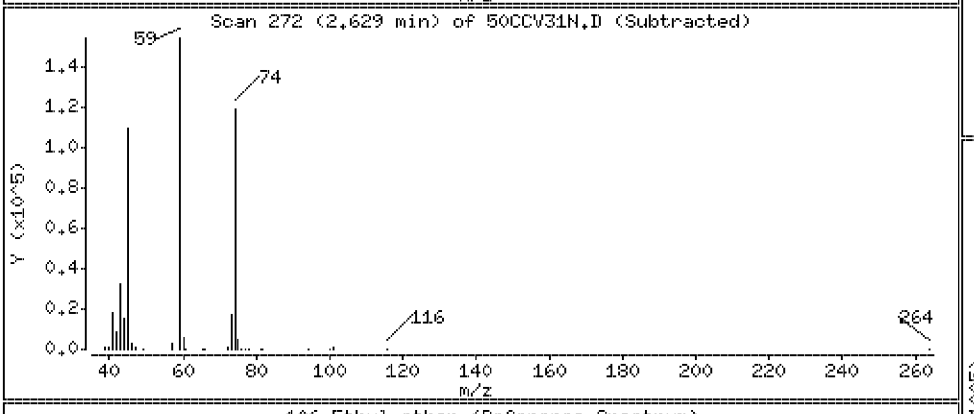
Sample Info: 072710CCVA31

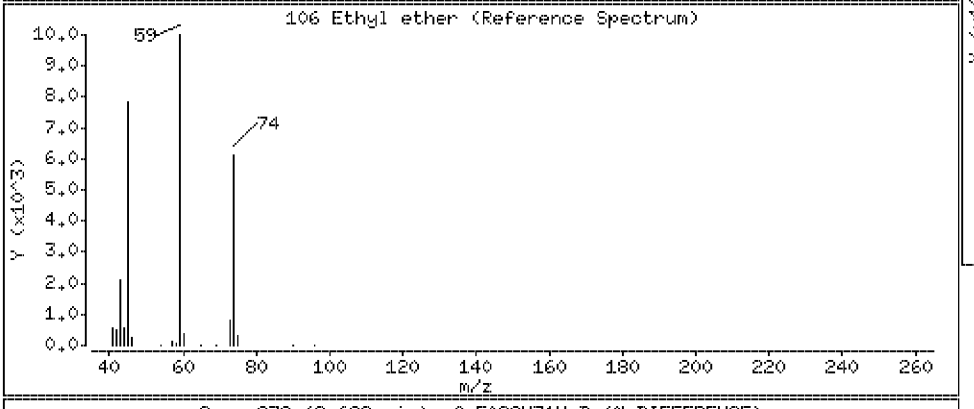
Purge Volume: 5.0 Operator:

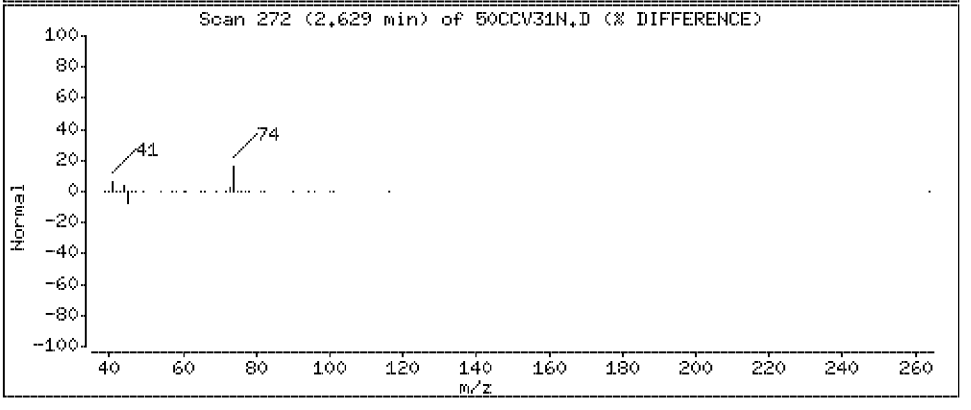
Column phase: RTX-502.2 Column diameter: 0.18

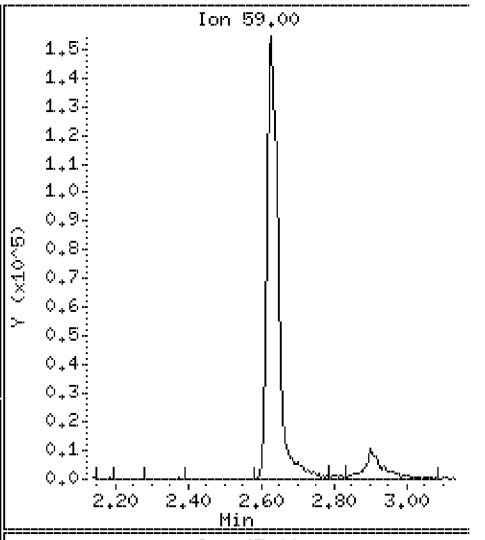
106 Ethyl ether Concentration: 43.2 ug/l

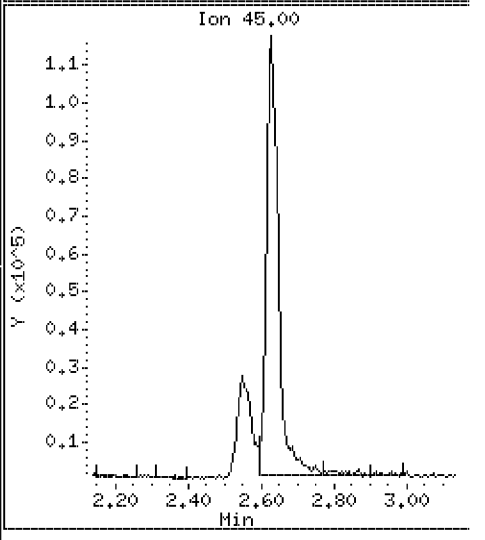












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

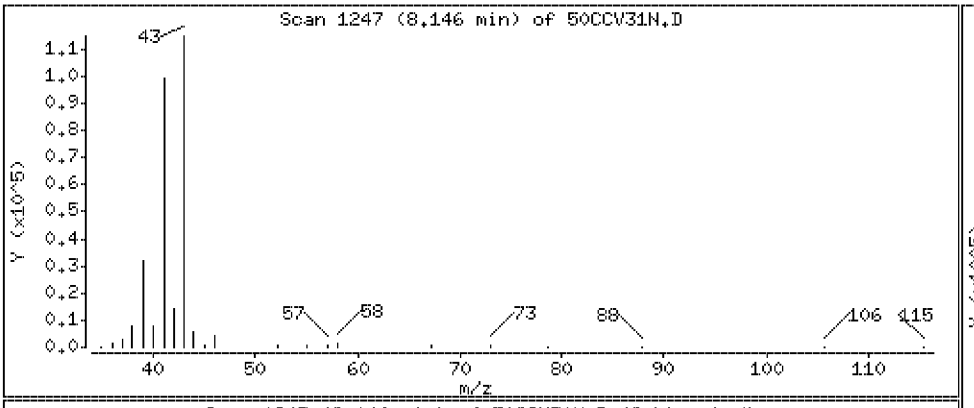
Operator:

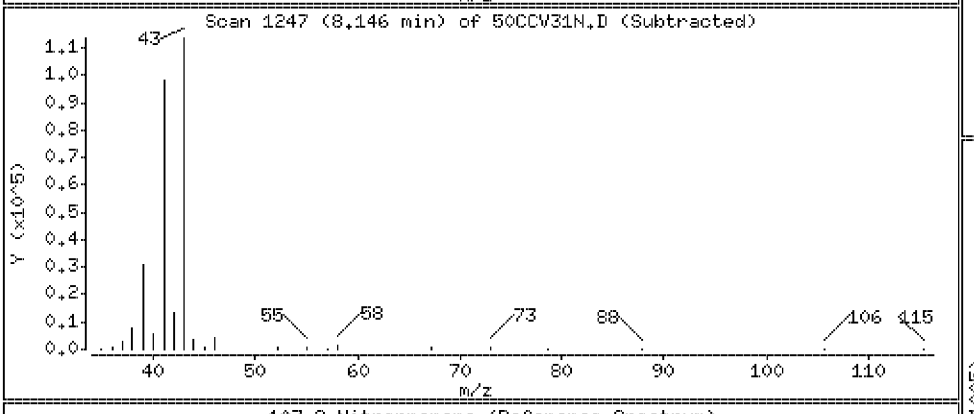
Column phase: RTX-502.2

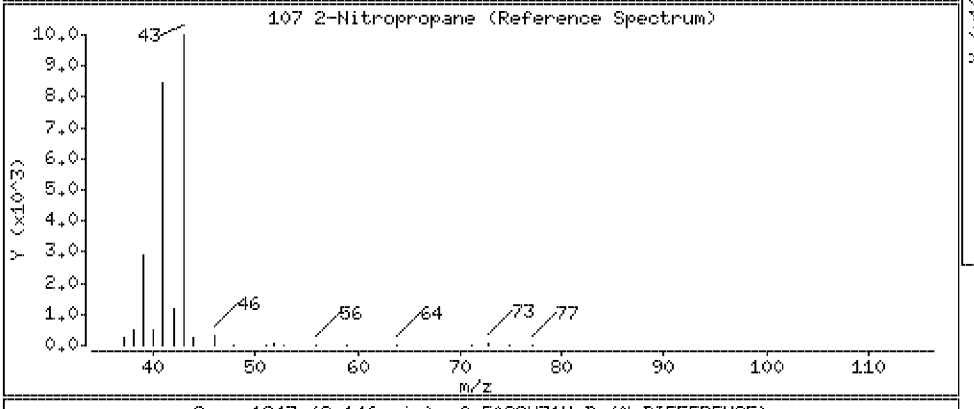
Column diameter: 0.18

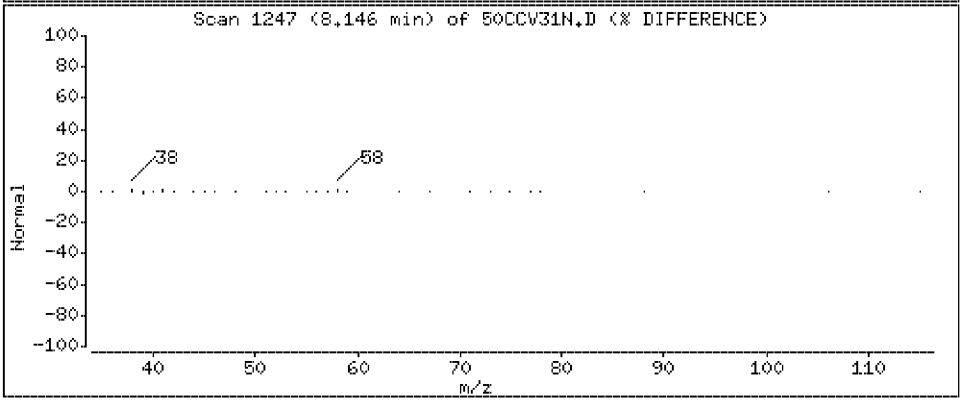
107 2-Nitropropane

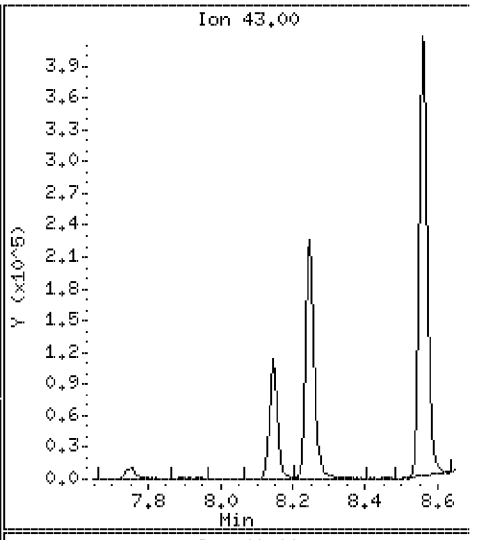
Concentration: 94.7 ug/l

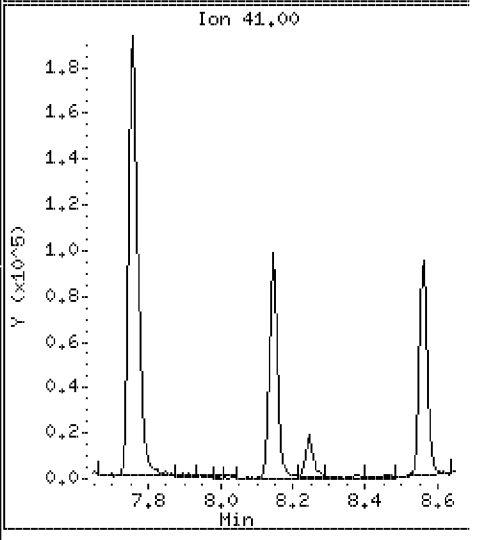












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

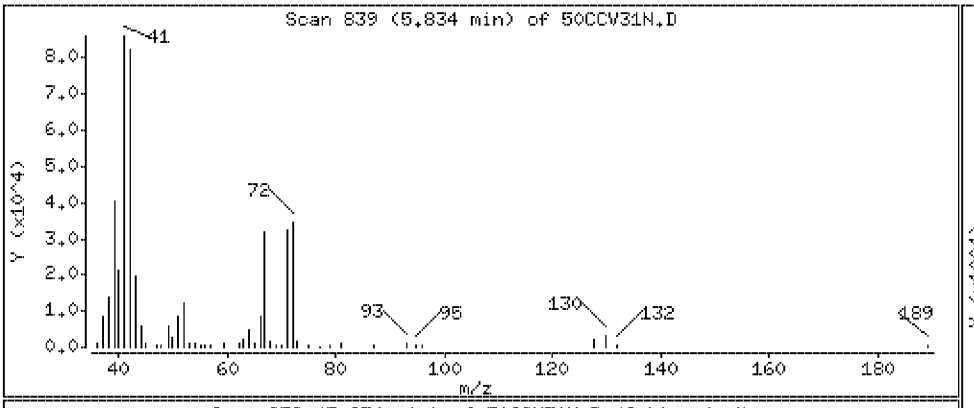
Operator:

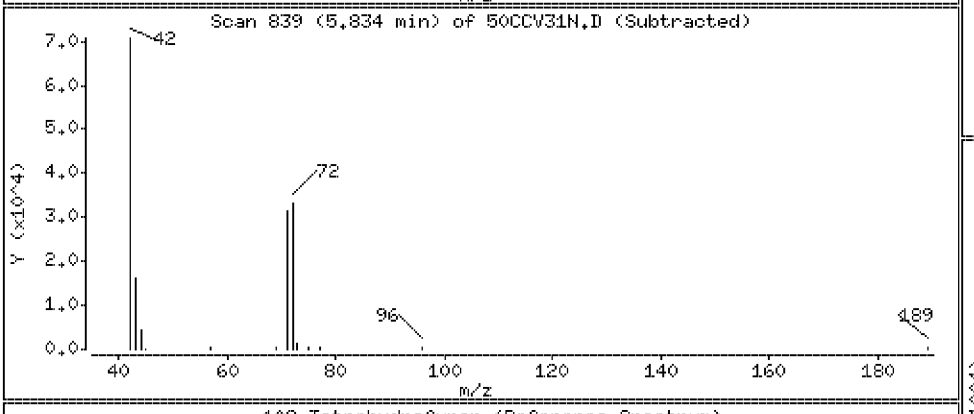
Column phase: RTX-502.2

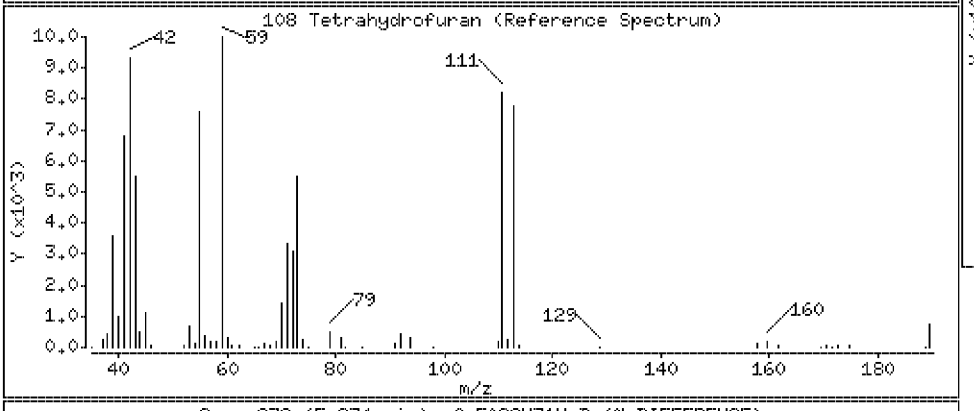
Column diameter: 0.18

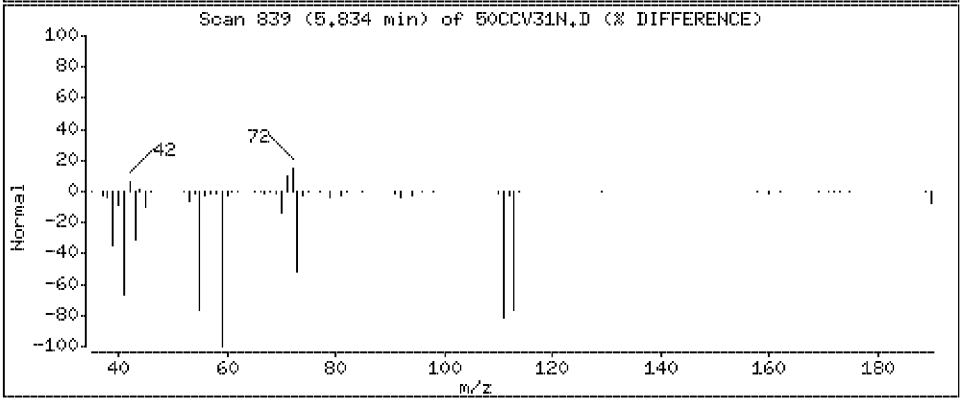
108 Tetrahydrofuran

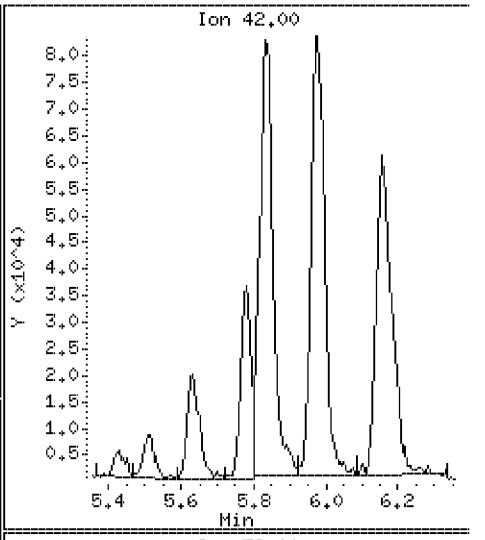
Concentration: 99.4 ug/l

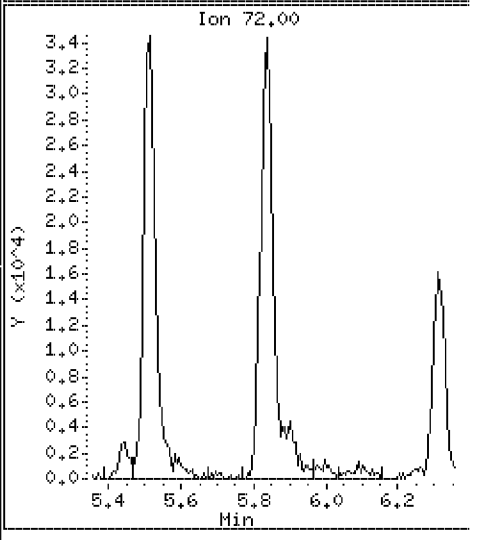












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

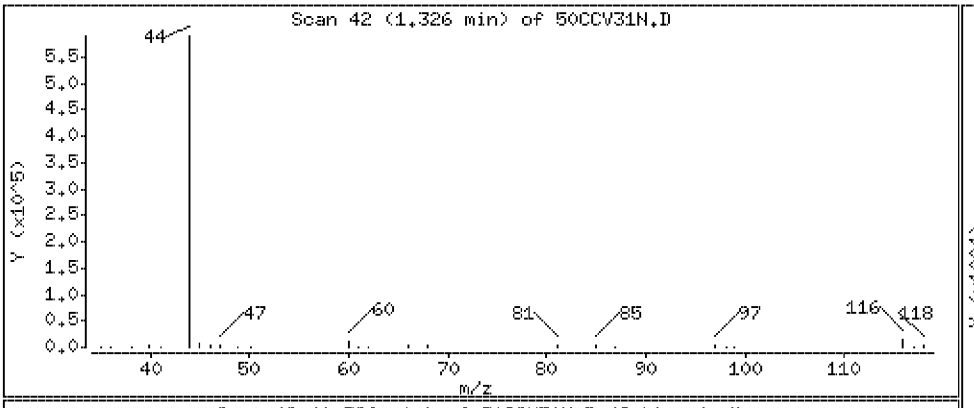
Operator:

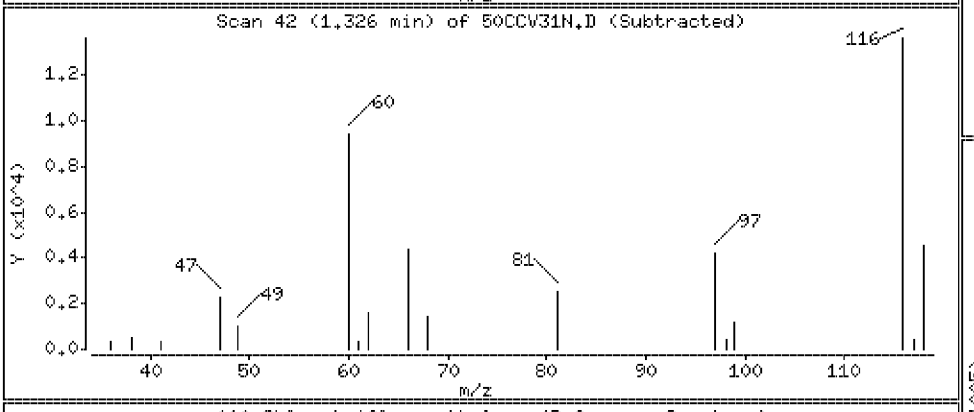
Column phase: RTX-502.2

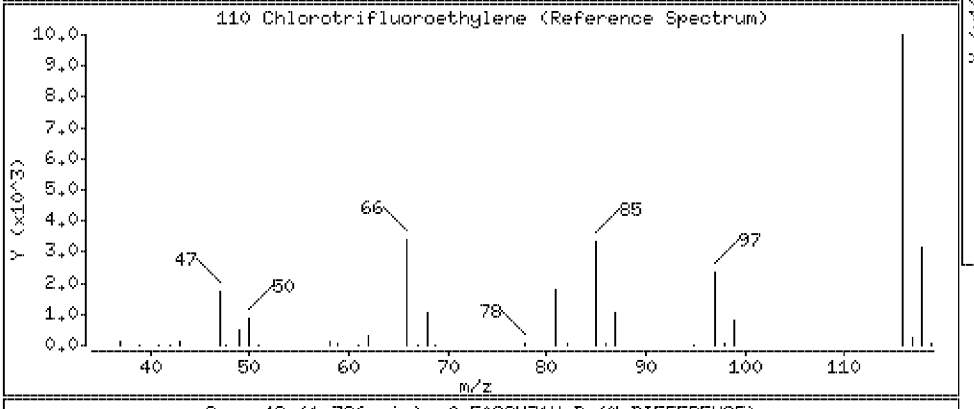
Column diameter: 0.18

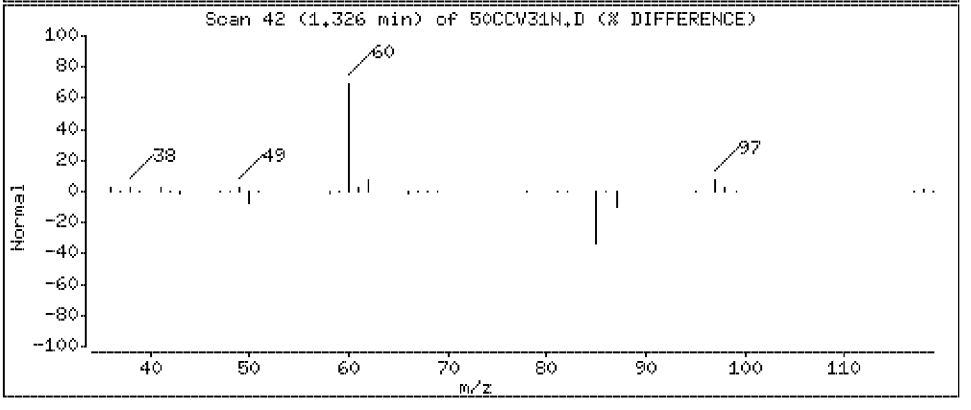
110 Chlorotrifluoroethylene

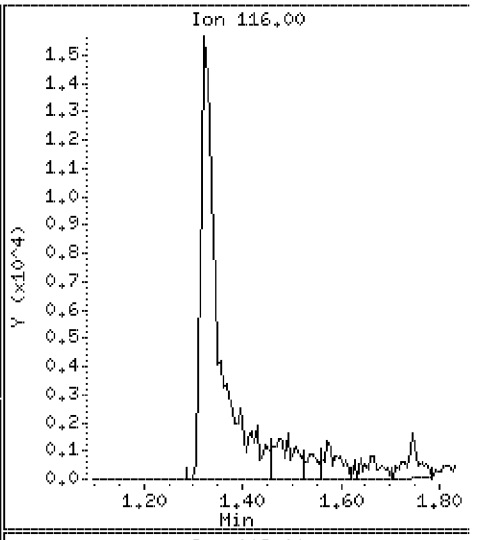
Concentration: 23.0 ug/l

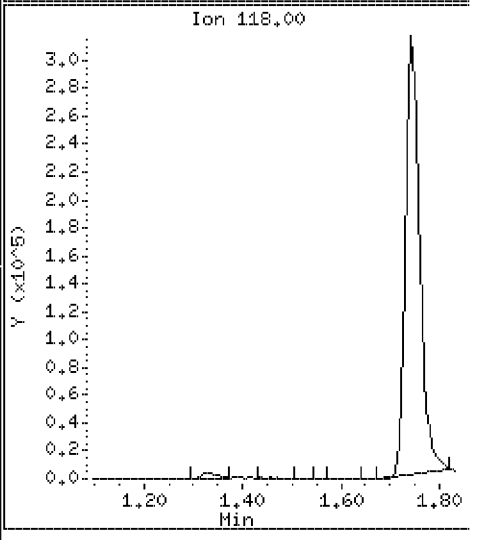












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

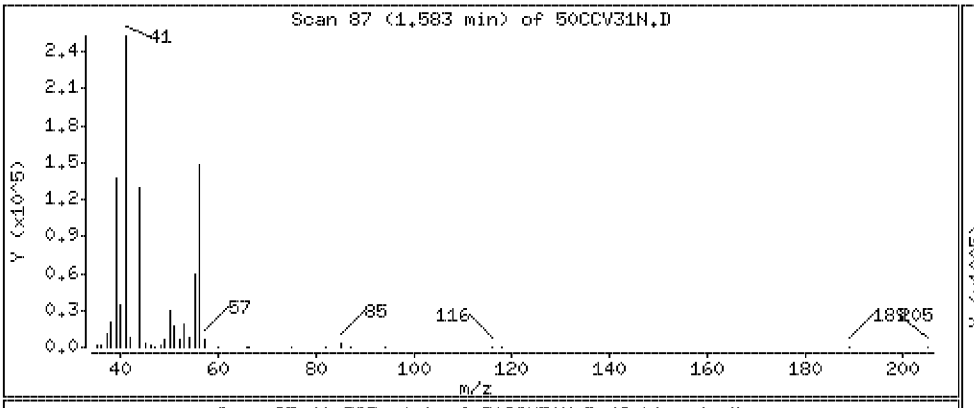
Operator:

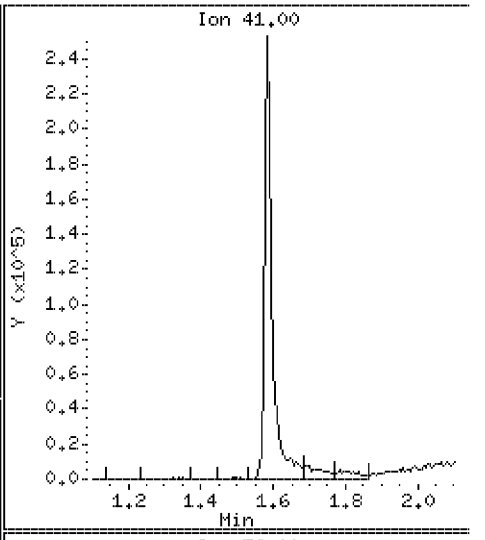
Column phase: RTX-502.2

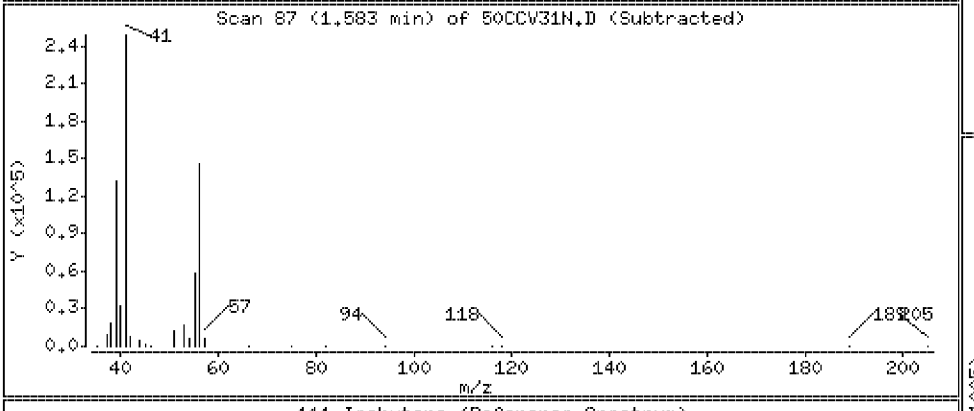
Column diameter: 0.18

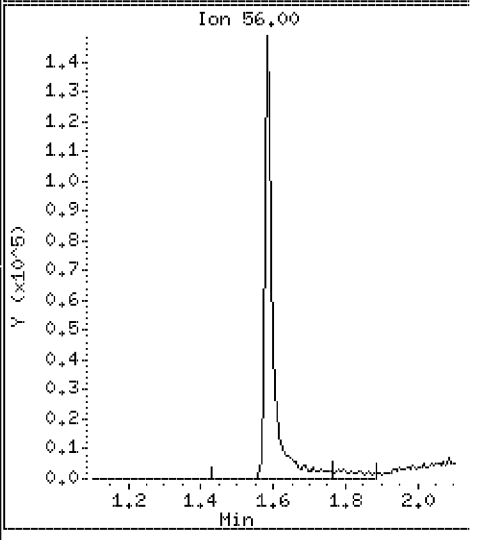
111 Isobutene

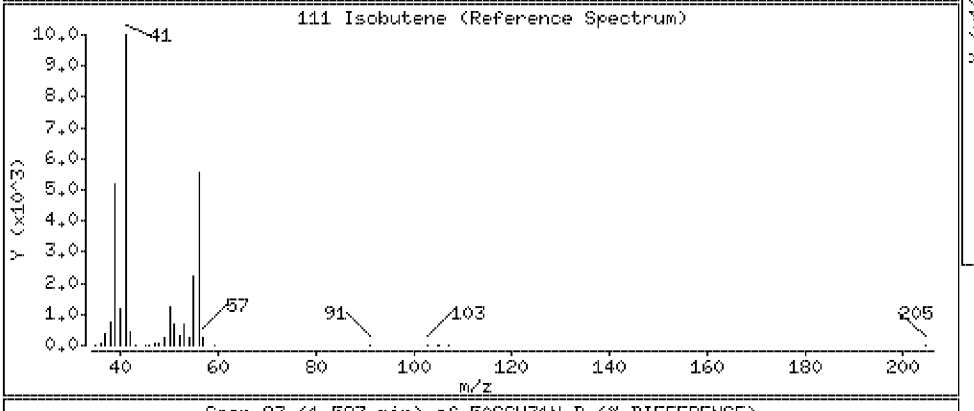
Concentration: 1120 ug/l

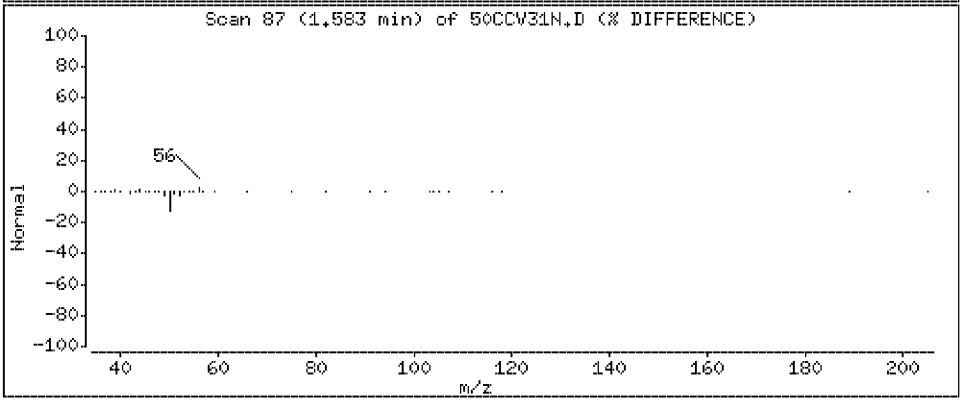












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

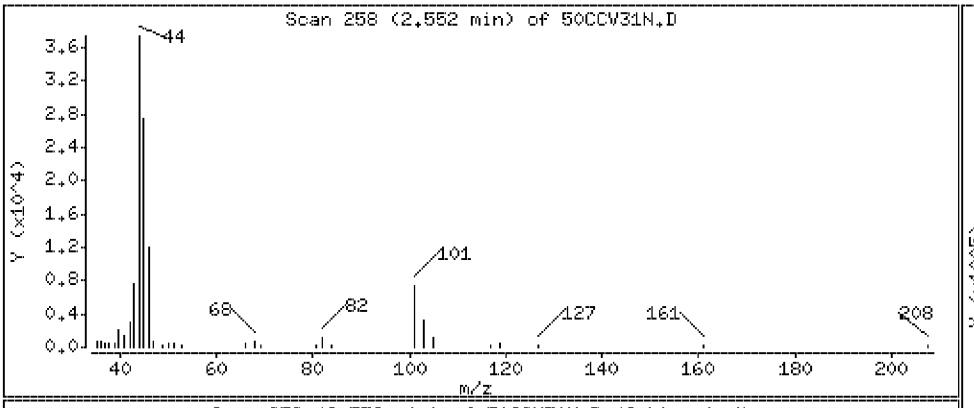
Operator:

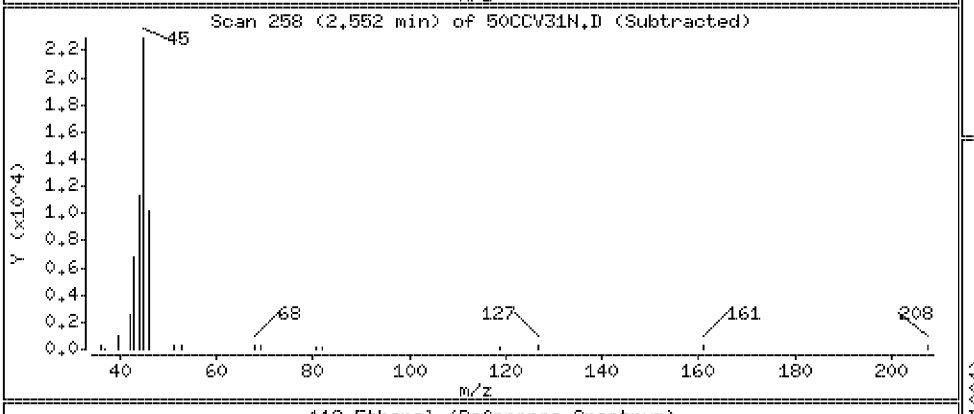
Column phase: RTX-502.2

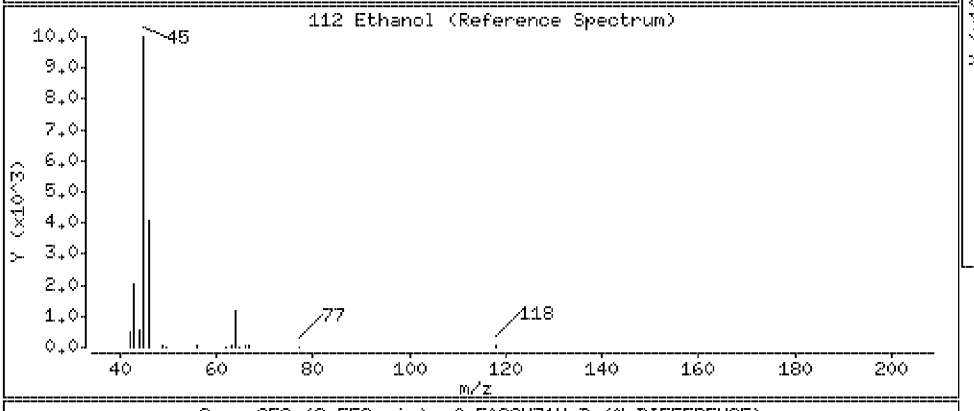
Column diameter: 0.18

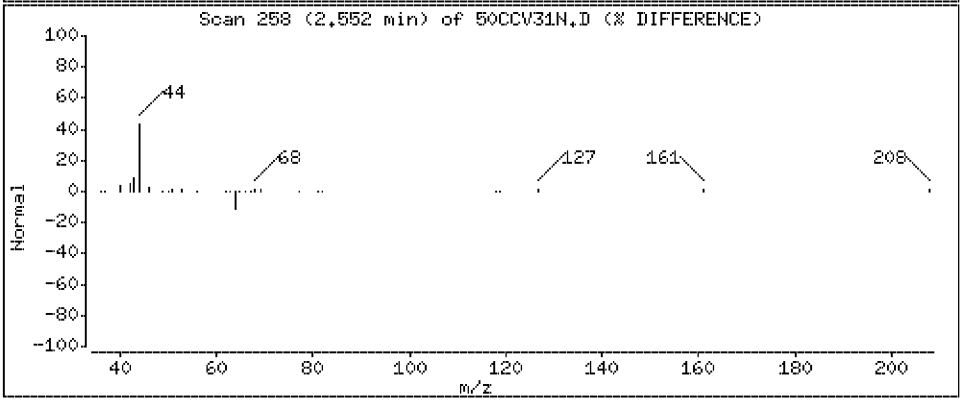
112 Ethanol

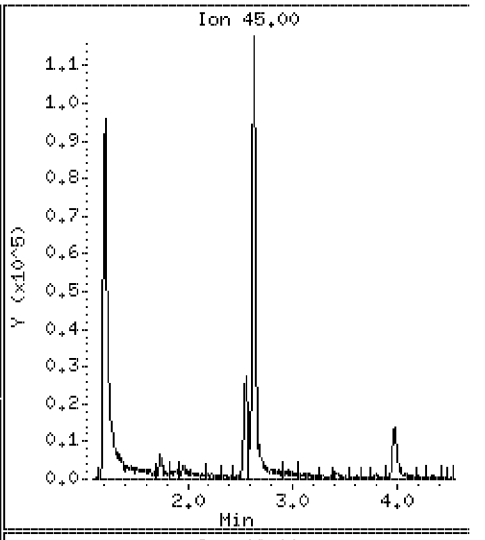
Concentration: 2500 ug/l

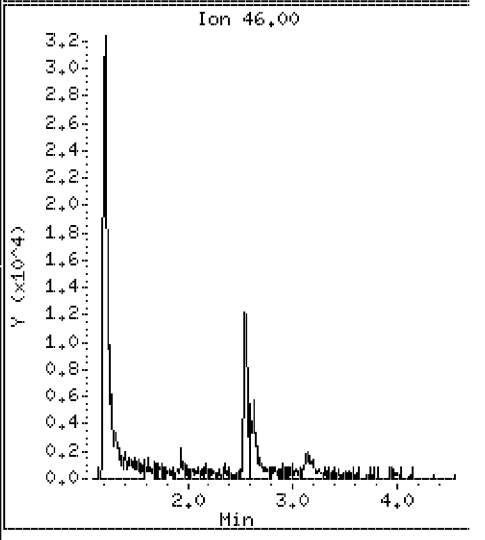












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

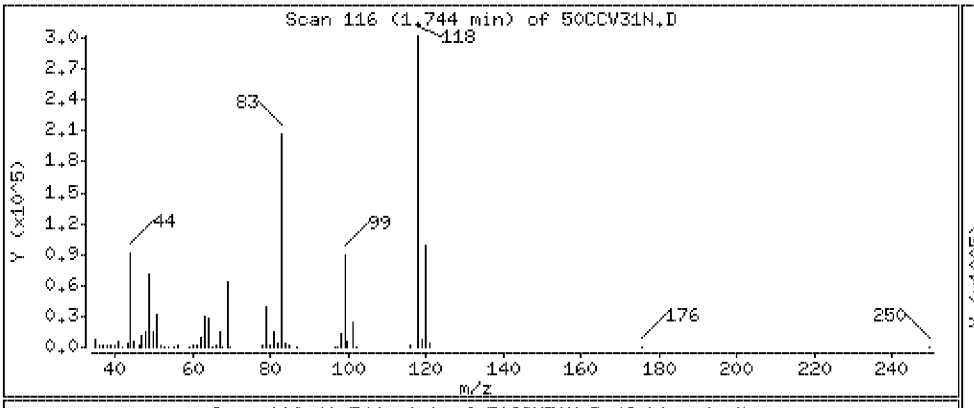
Operator:

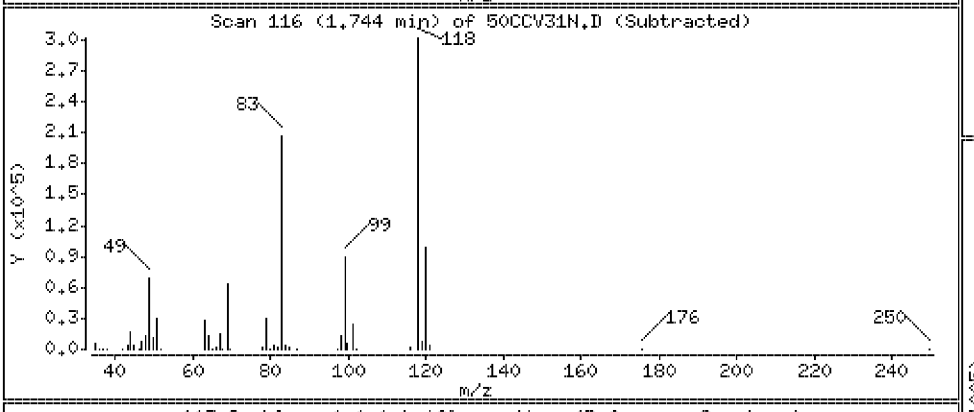
Column phase: RTX-502.2

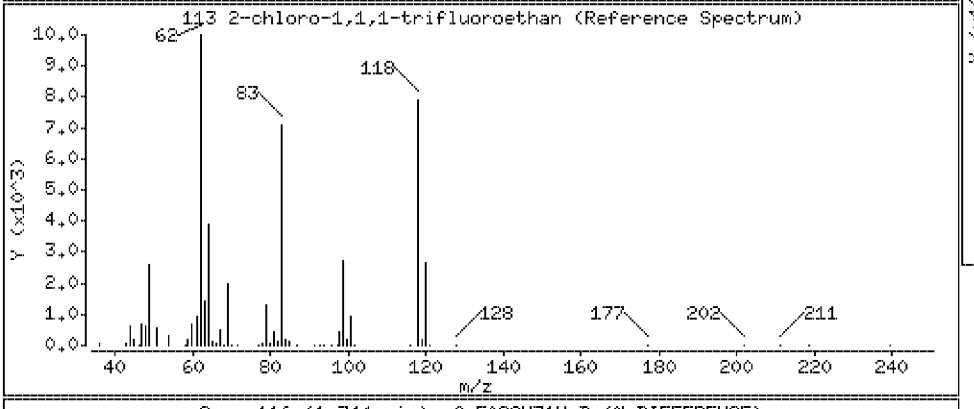
Column diameter: 0.18

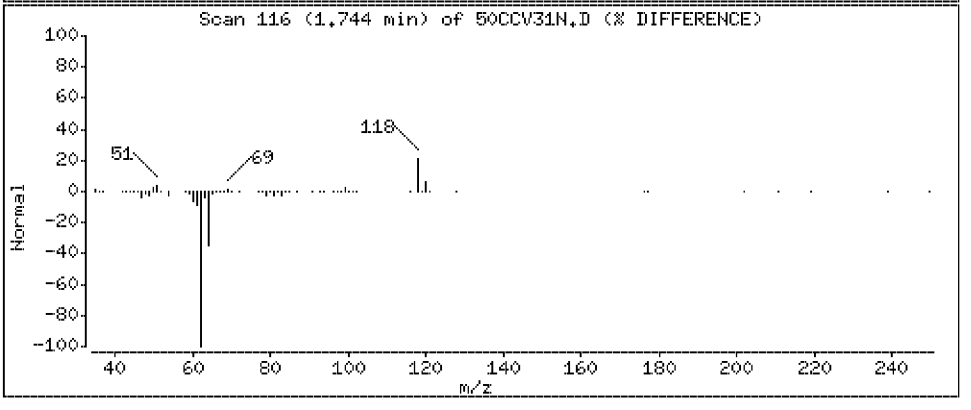
113 2-chloro-1,1,1-trifluoroethan

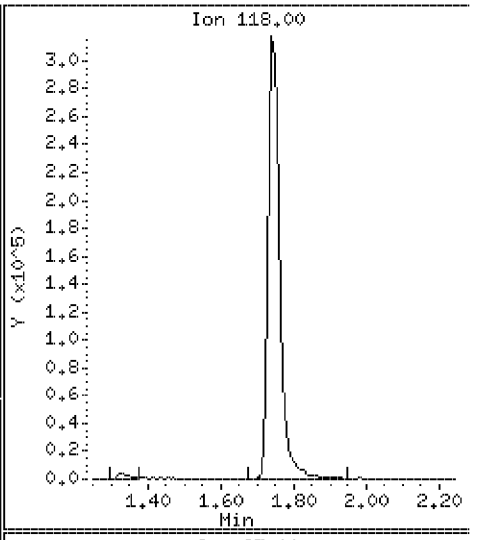
Concentration: 53.8 ug/l

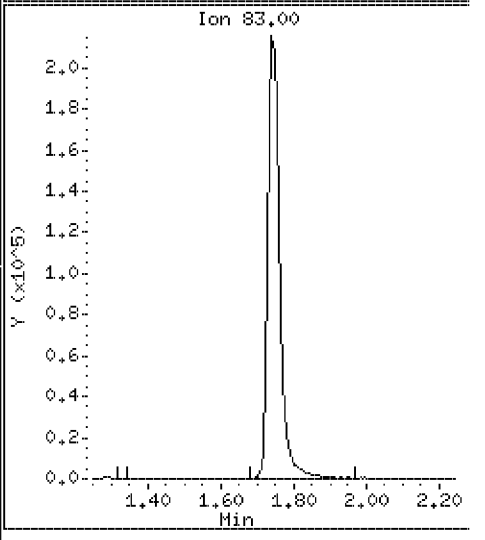












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

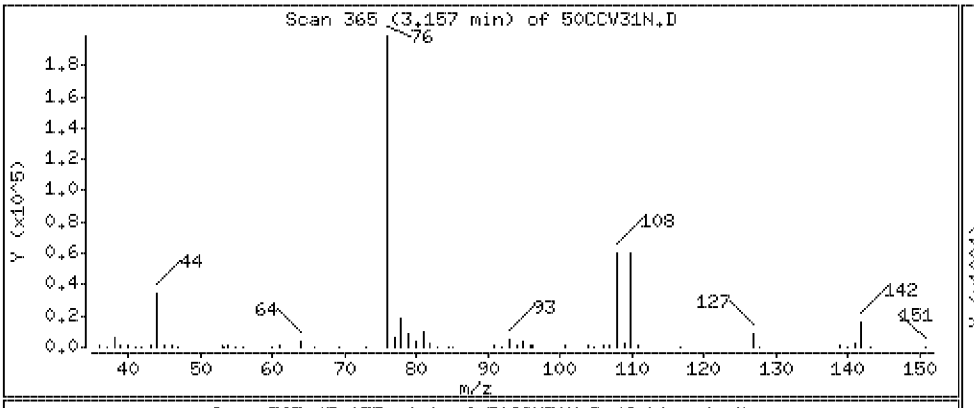
Operator:

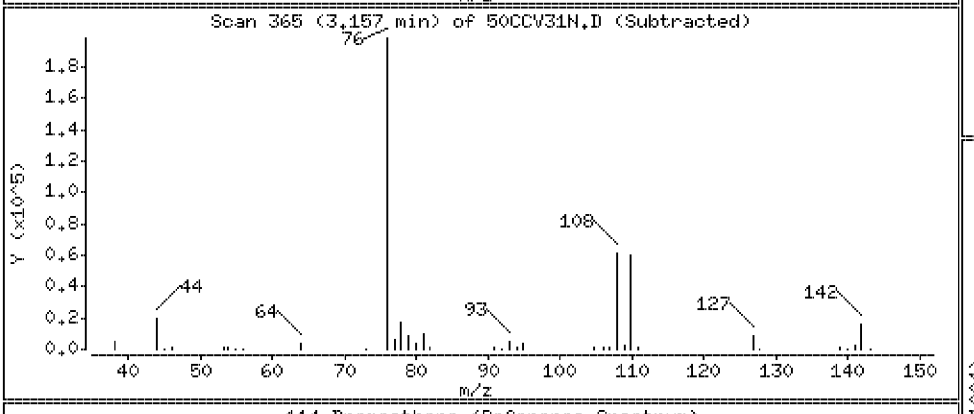
Column phase: RTX-502.2

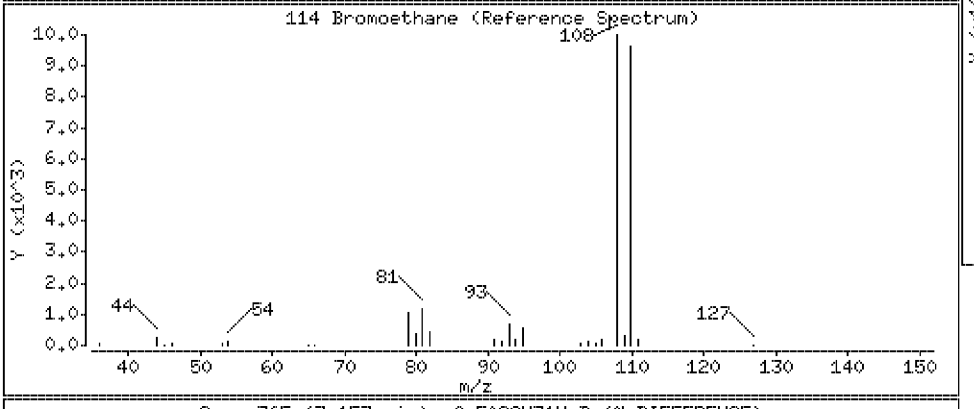
Column diameter: 0.18

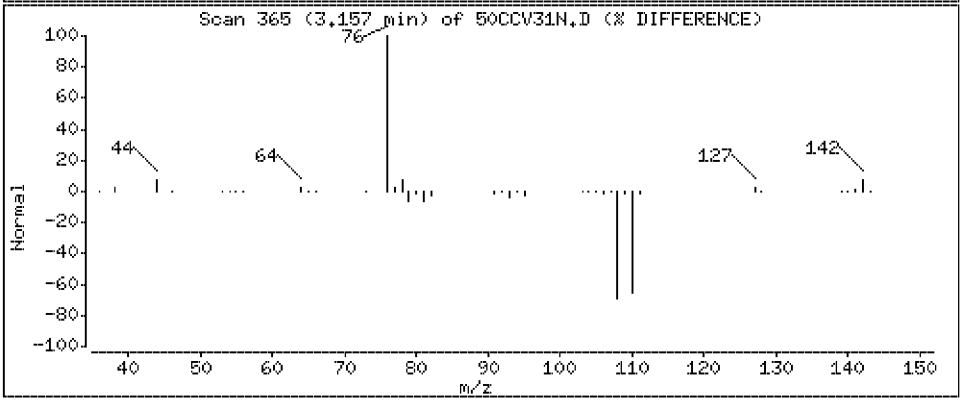
114 Bromoethane

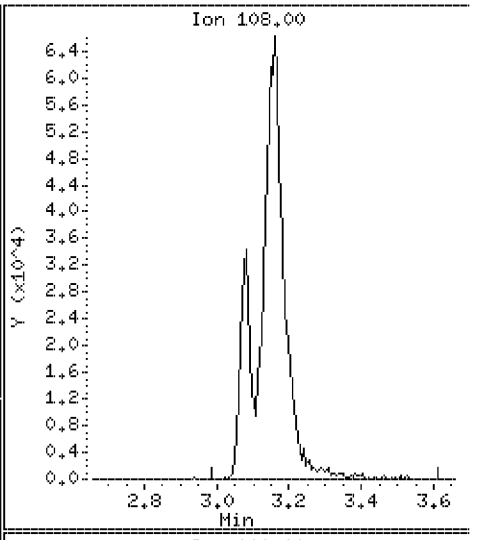
Concentration: 47.3 ug/l

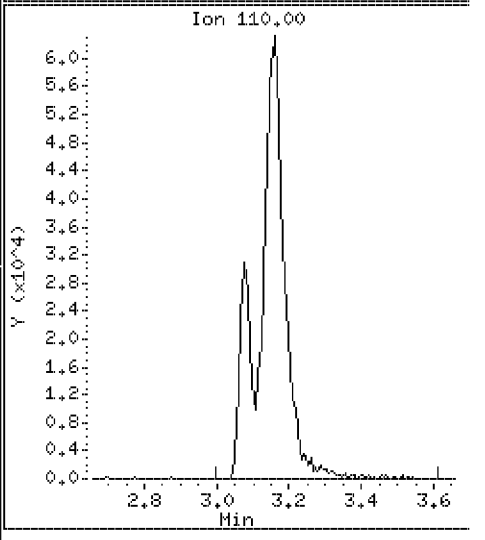












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

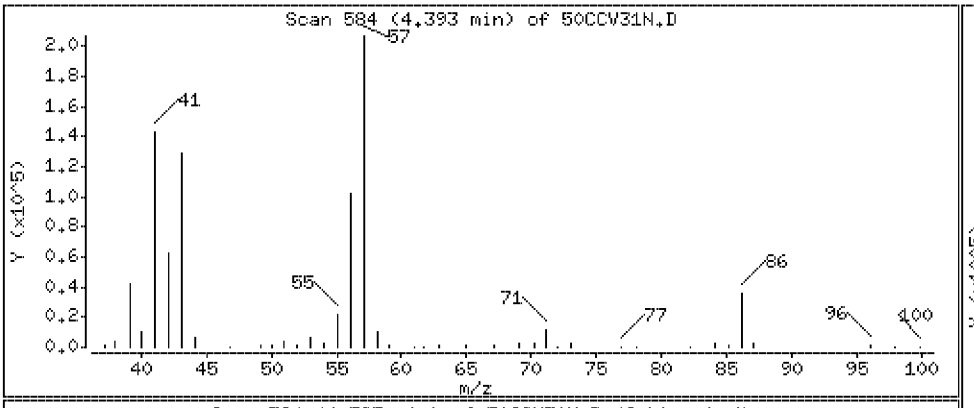
Operator:

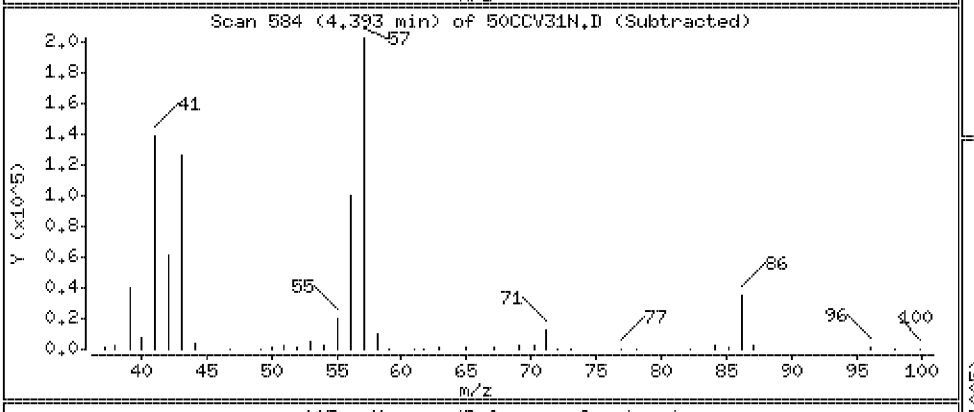
Column phase: RTX-502.2

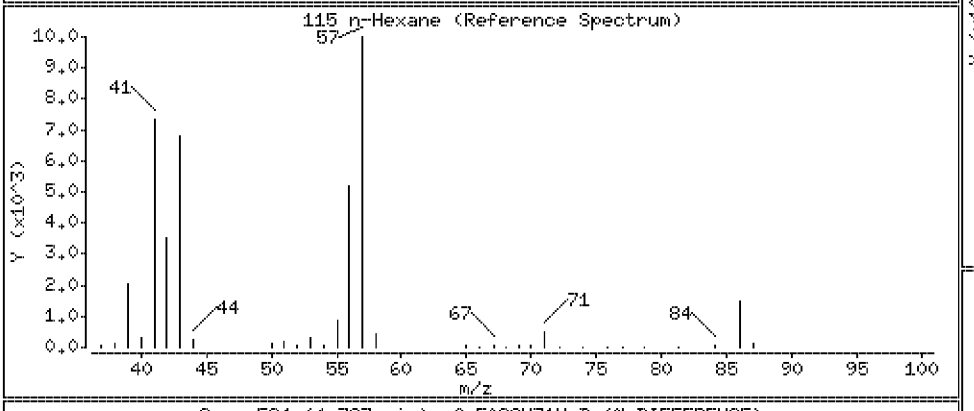
Column diameter: 0.18

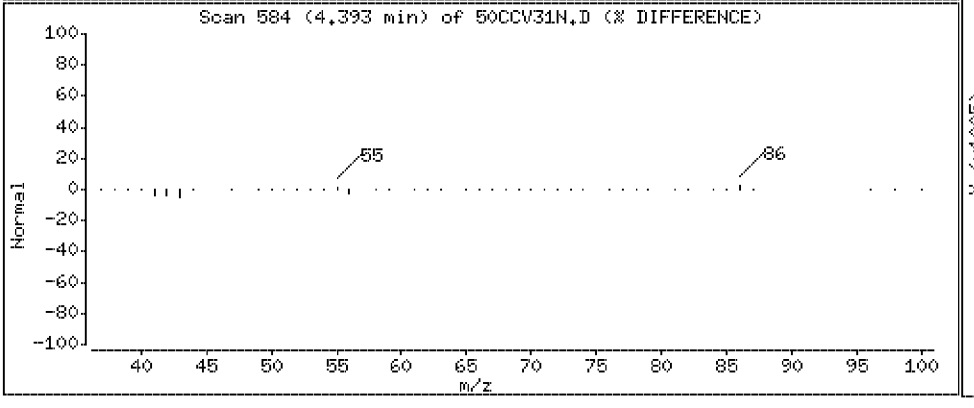
115 n-Hexane

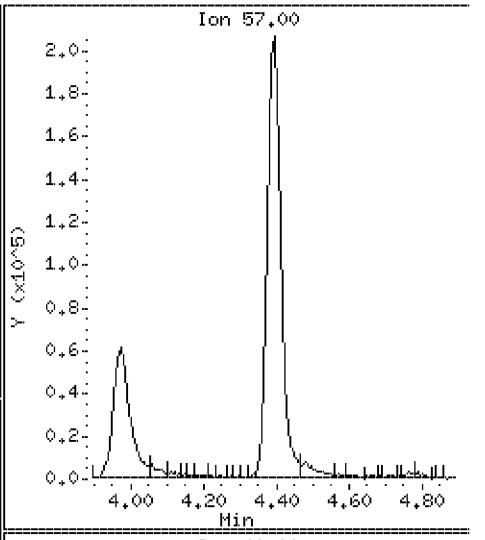
Concentration: 57.1 ug/l

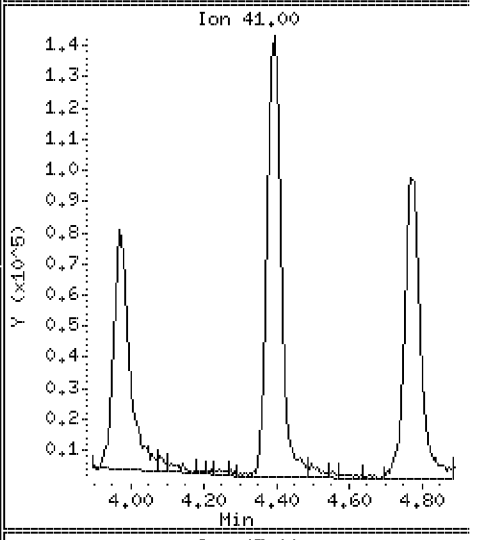


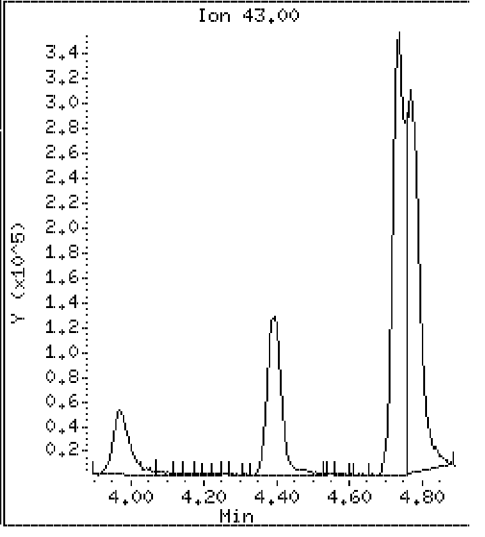












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

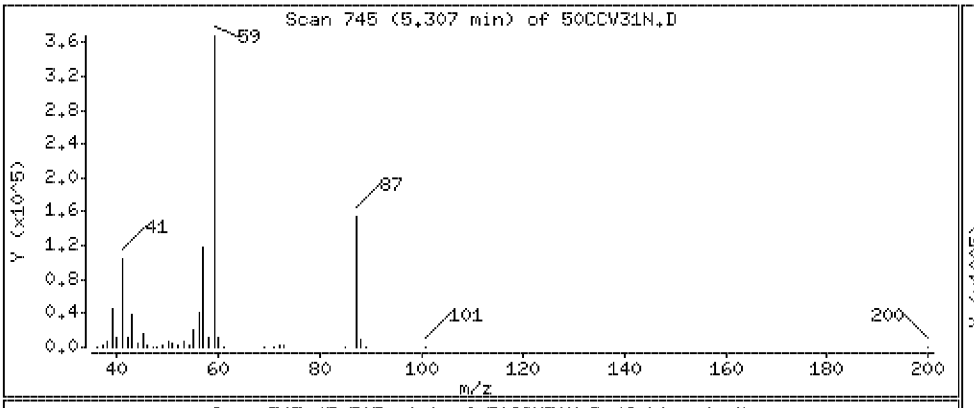
Operator:

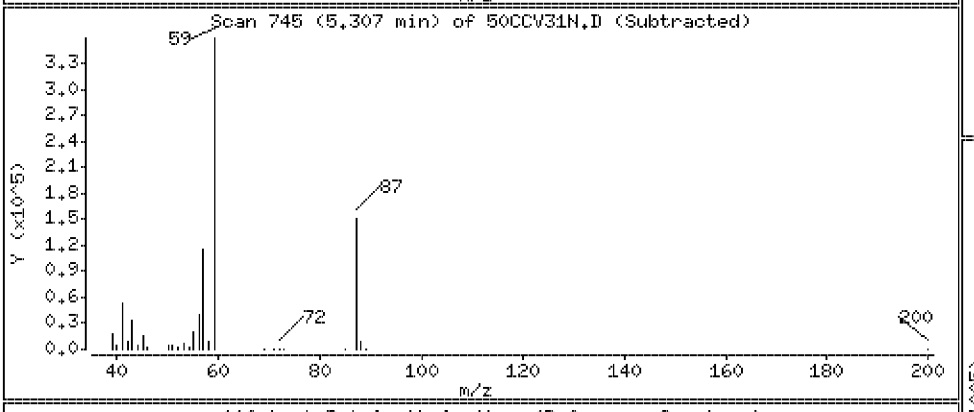
Column phase: RTX-502.2

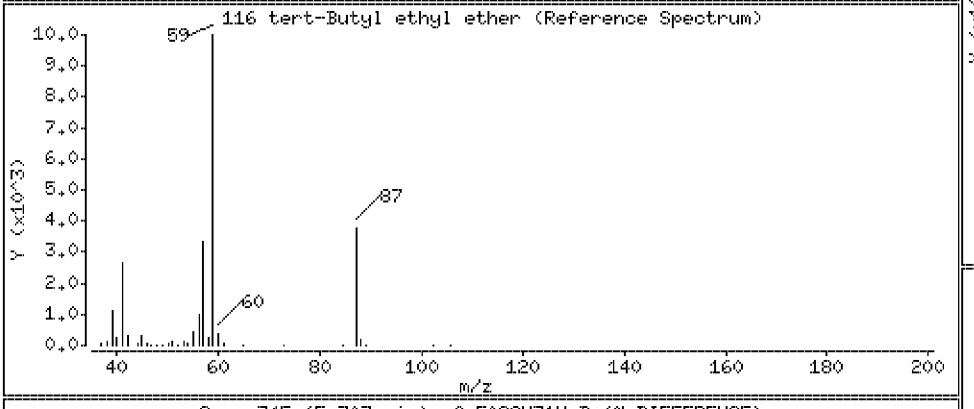
Column diameter: 0.18

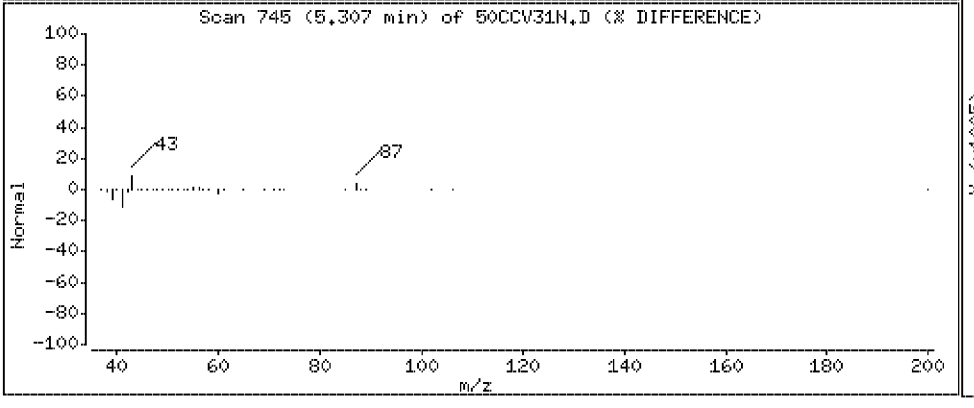
116 tert-Butyl ethyl ether

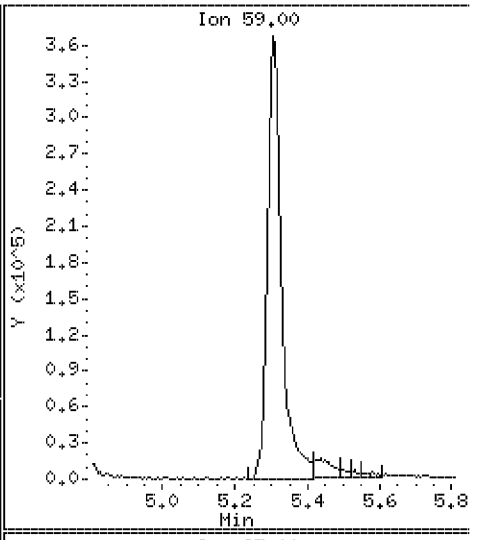
Concentration: 51.7 ug/l

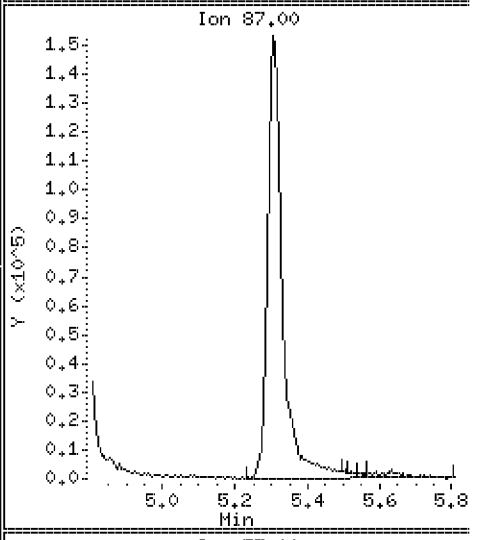


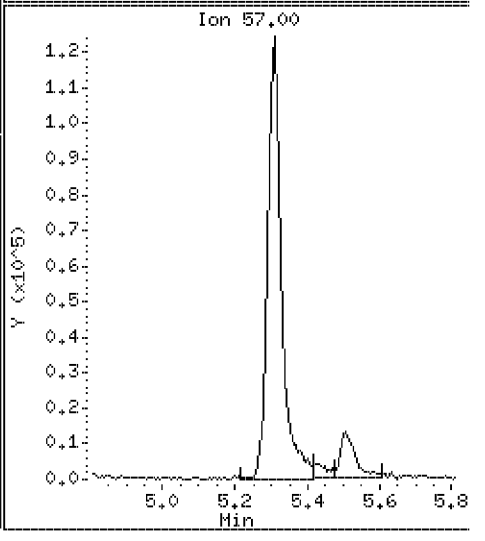












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

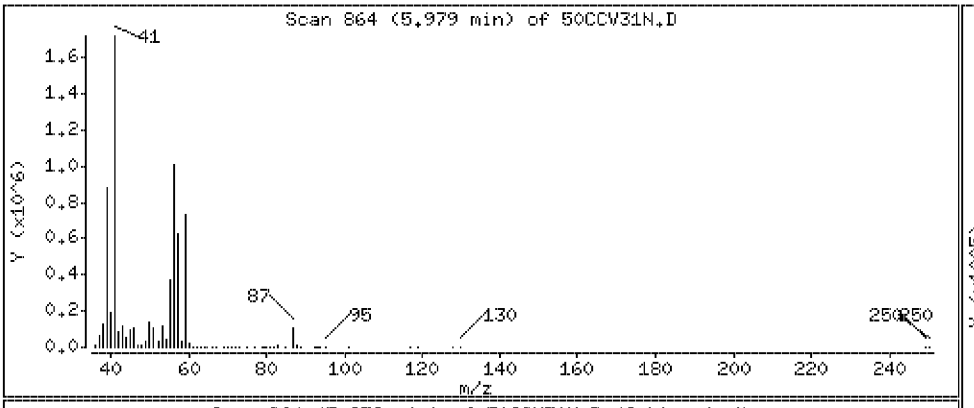
Operator:

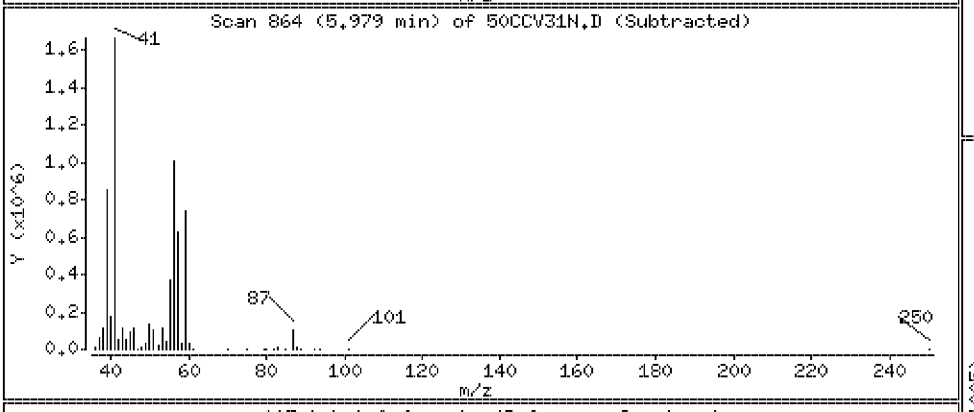
Column phase: RTX-502.2

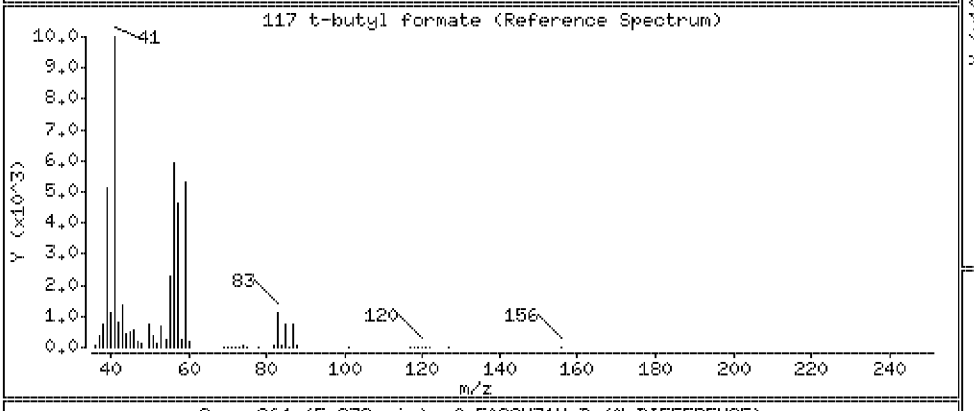
Column diameter: 0.18

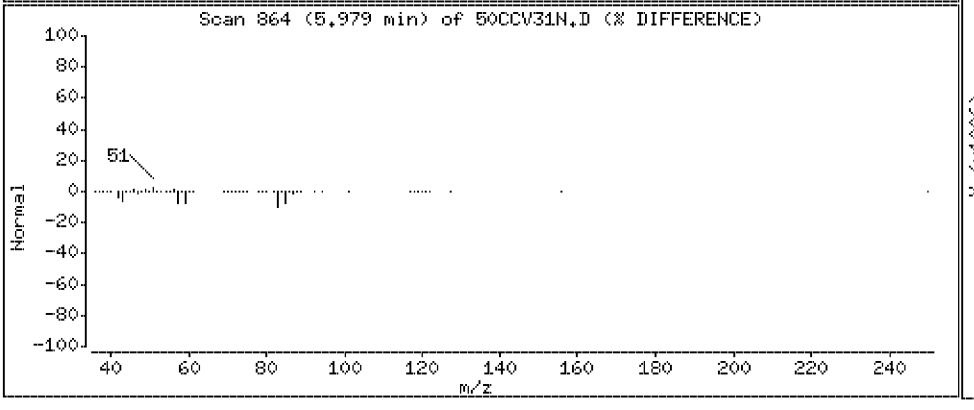
117 t-butyl formate

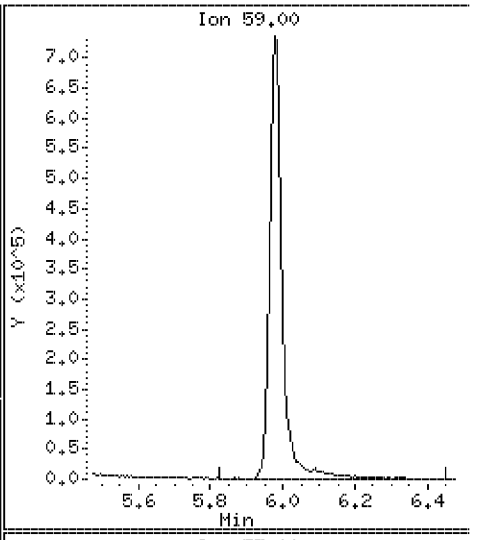
Concentration: 854 ug/l

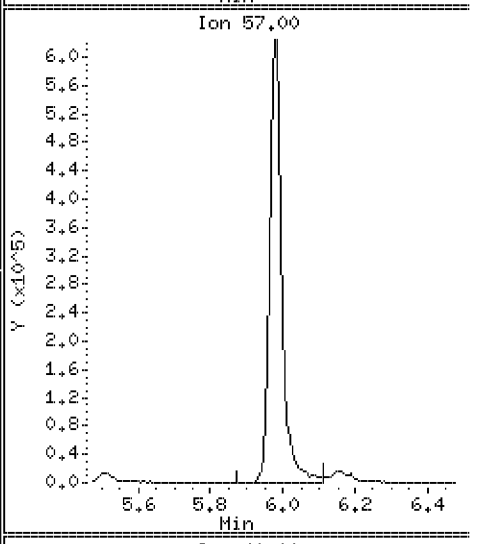


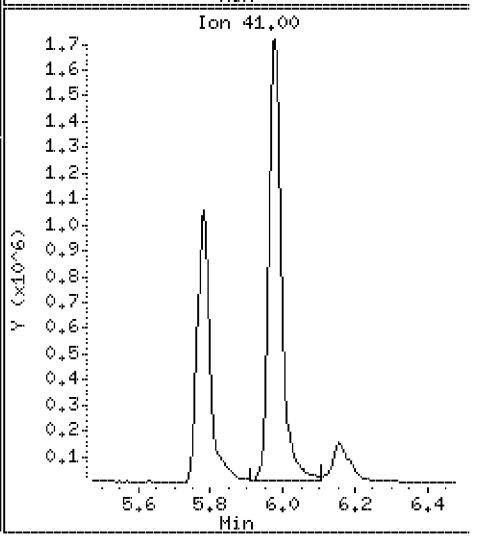












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

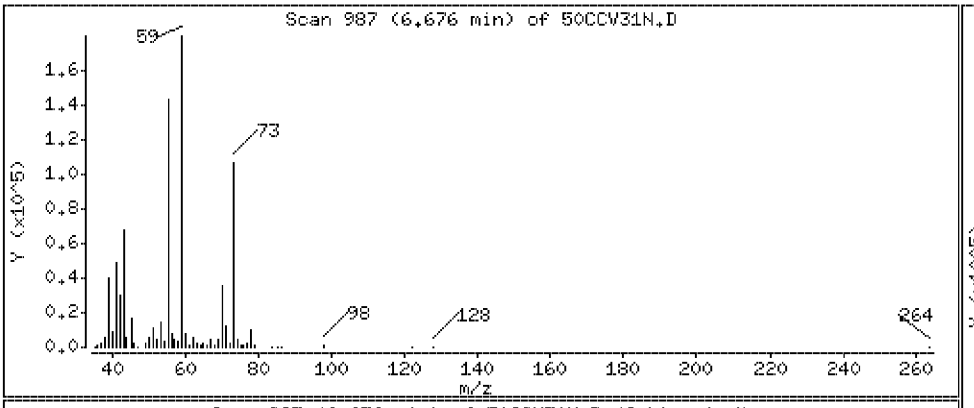
Client ID: 072710CCVA31 Instrument: vms03.i

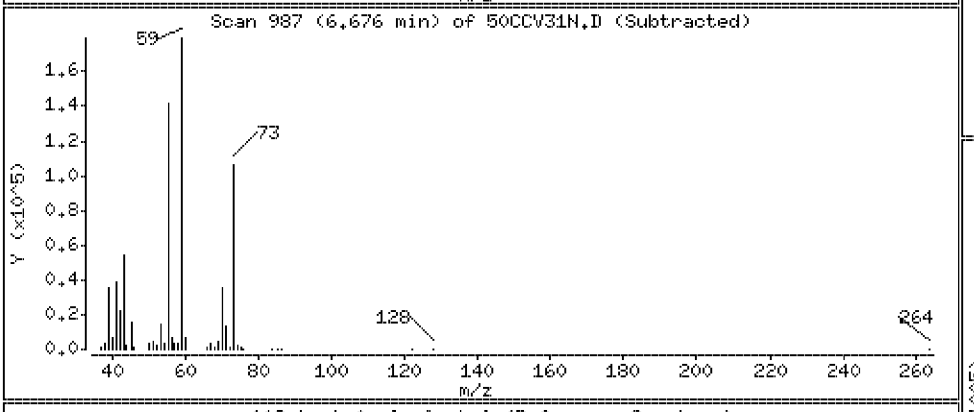
Sample Info: 072710CCVA31

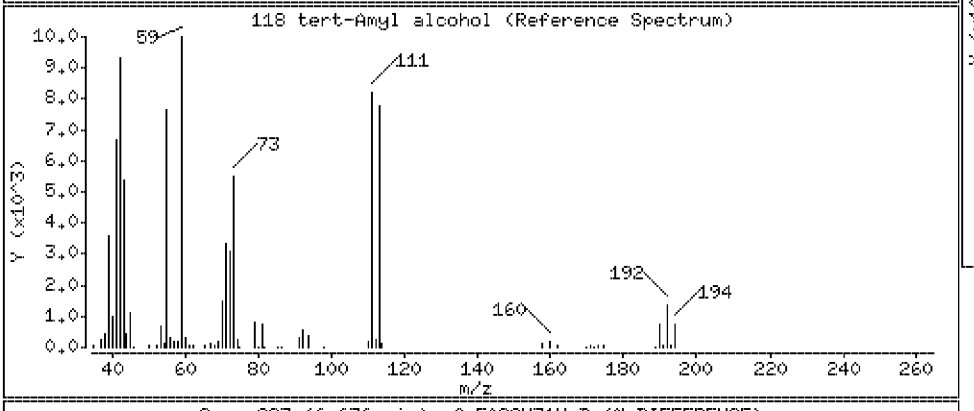
Purge Volume: 5.0 Operator:

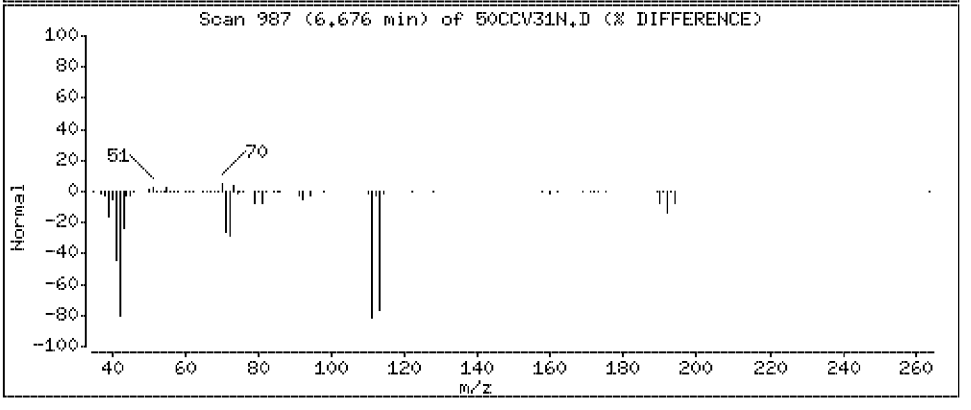
Column phase: RTX-502.2 Column diameter: 0.18

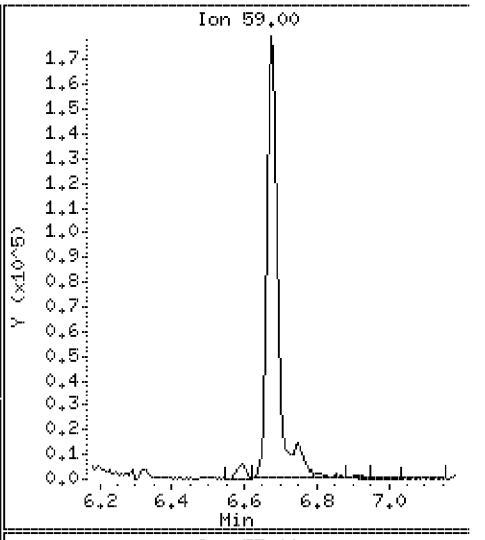
118 tert-Amyl alcohol Concentration: 842 ug/l

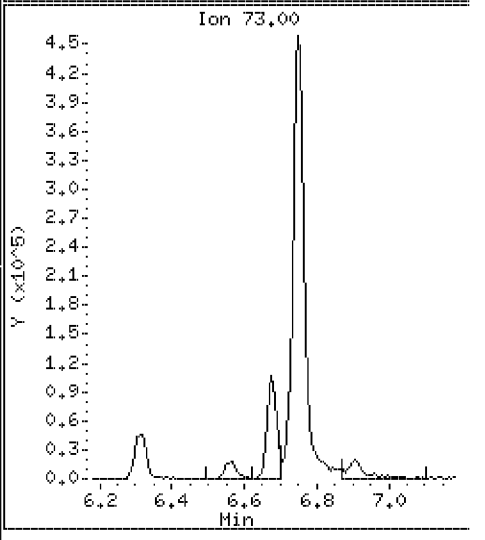












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

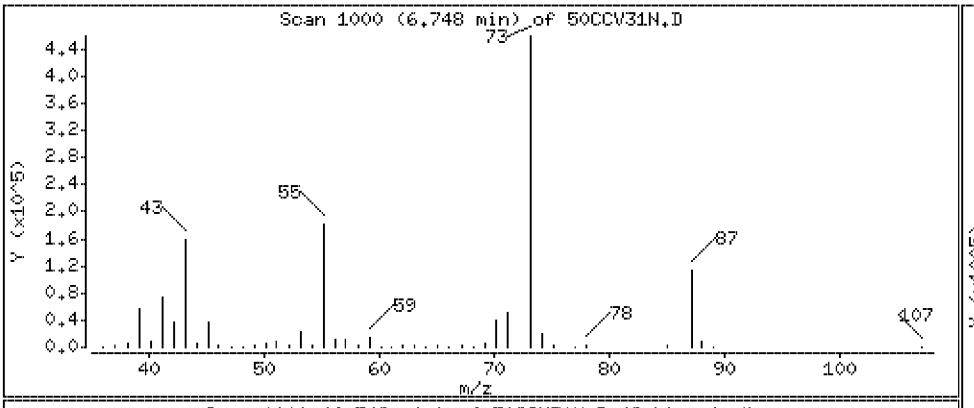
Operator:

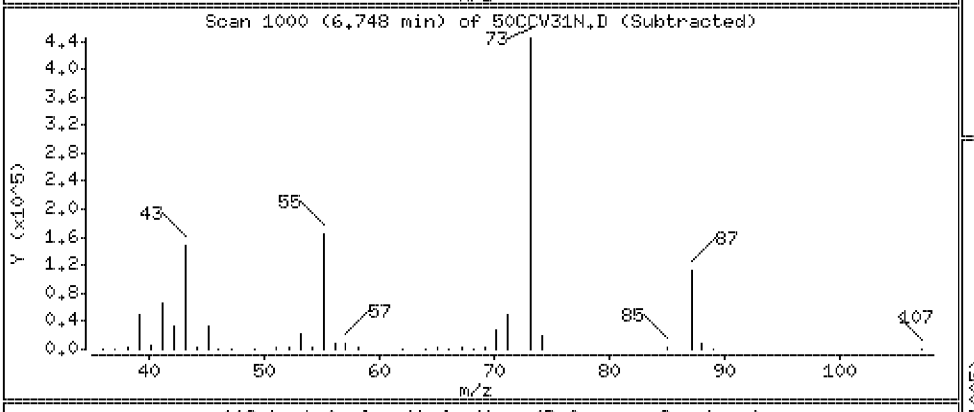
Column phase: RTX-502.2

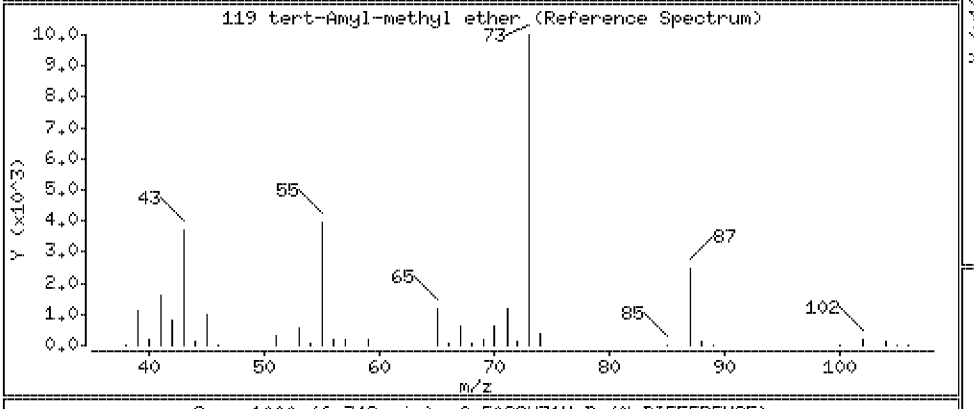
Column diameter: 0.18

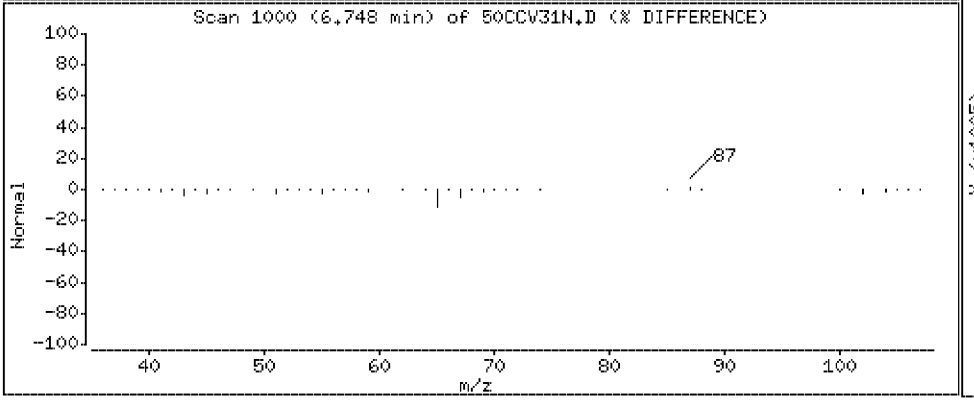
119 tert-Amyl-methyl ether

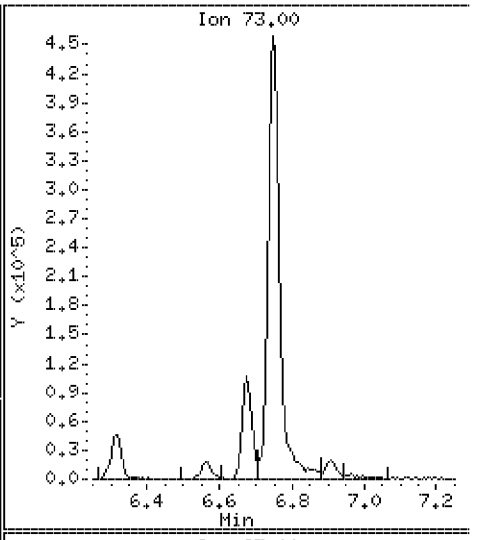
Concentration: 53.7 ug/l

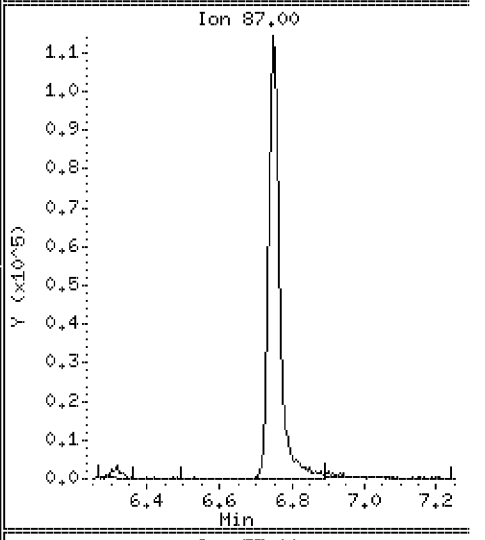


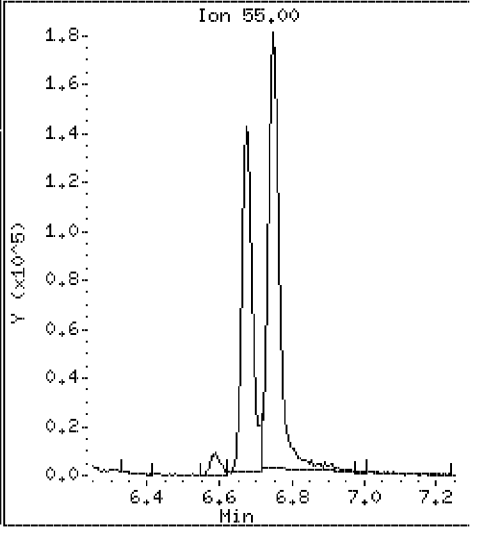












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

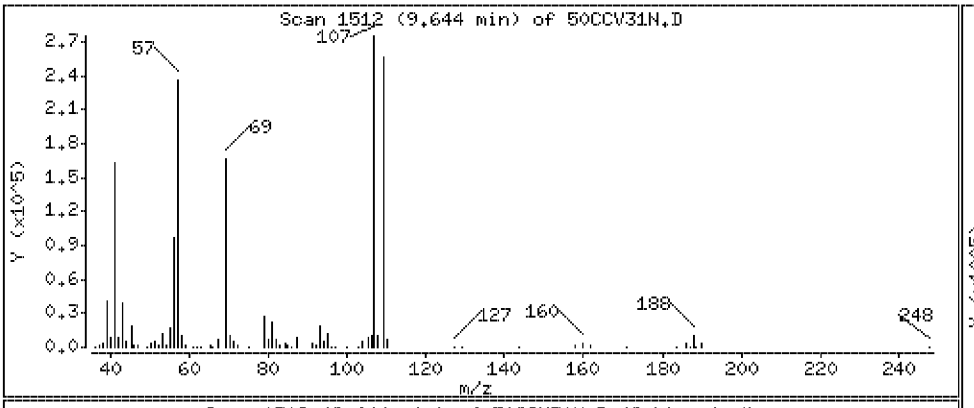
Operator:

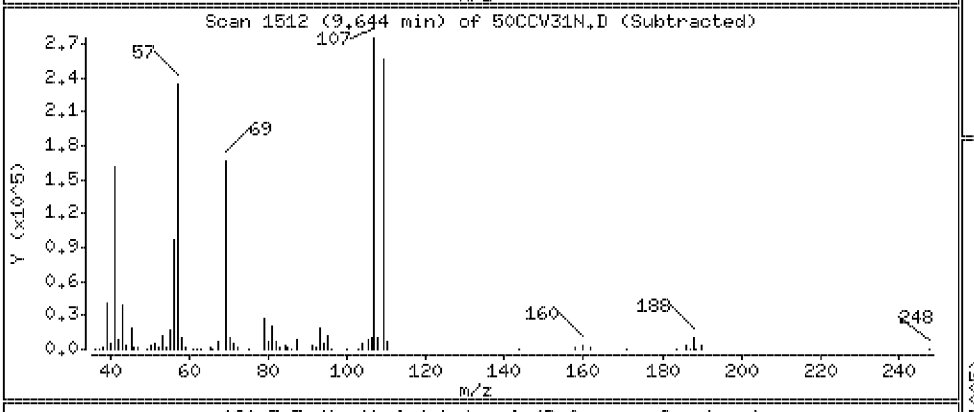
Column phase: RTX-502.2

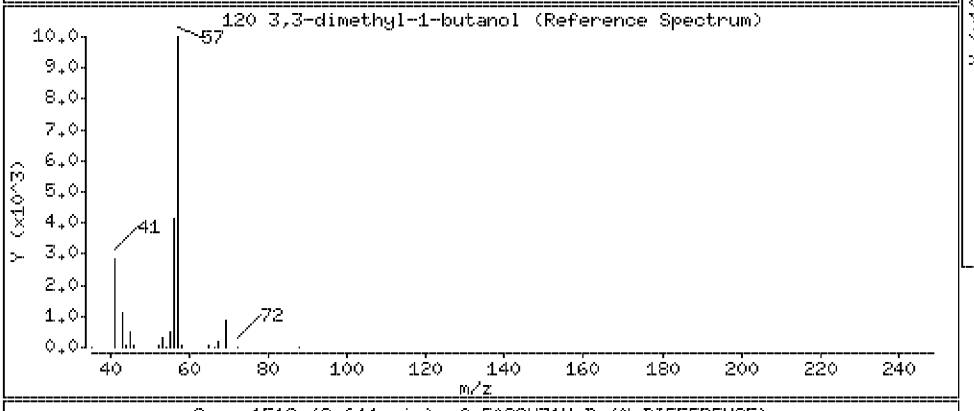
Column diameter: 0.18

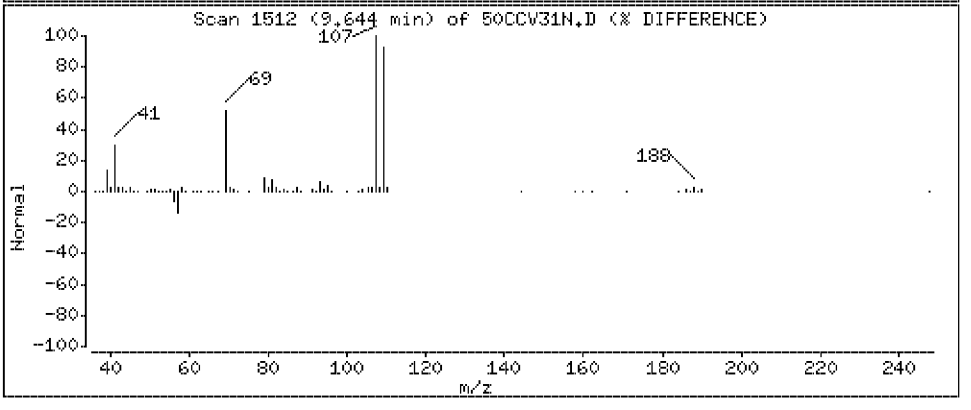
120 3,3-dimethyl-1-butanol

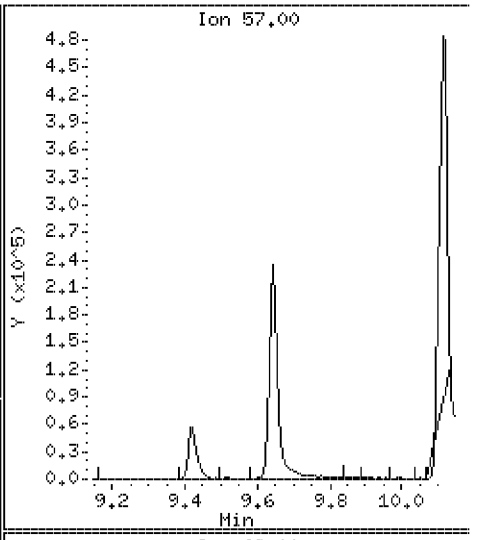
Concentration: 873 ug/l

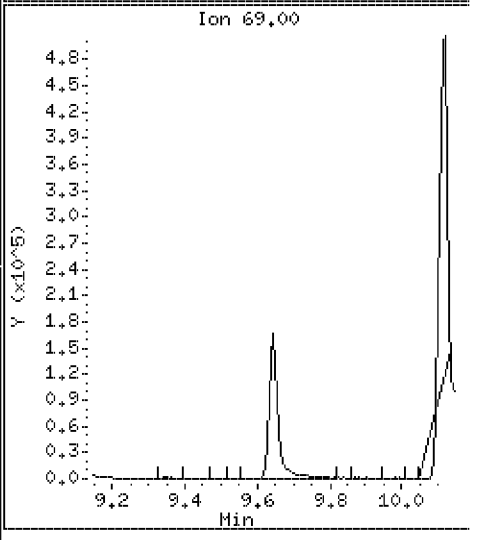












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\50CCV31N.D

Date : 27-JUL-2010 06:52

Client ID: 072710CCVA31

Instrument: vms03.i

Sample Info: 072710CCVA31

Purge Volume: 5.0

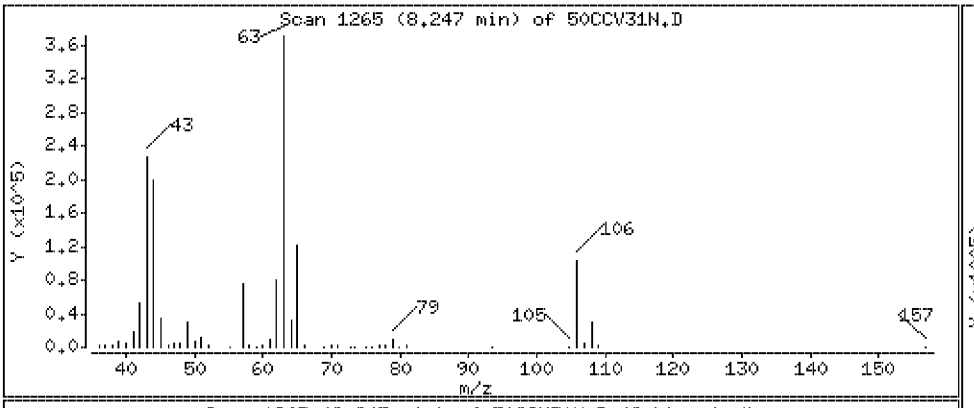
Operator:

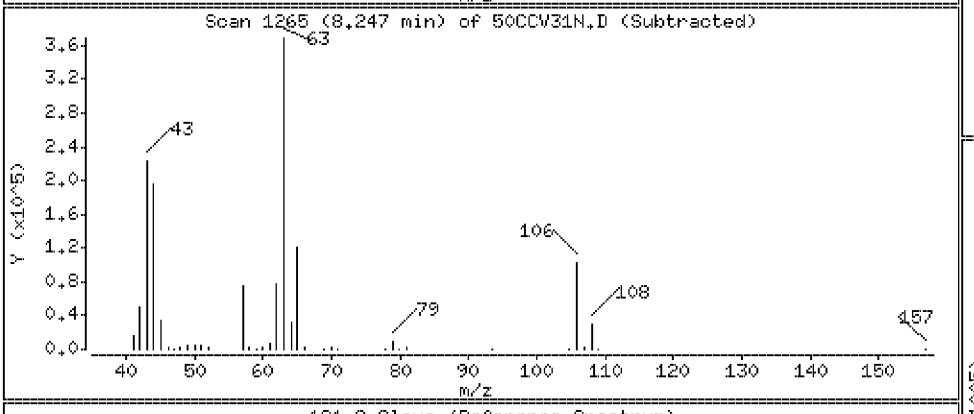
Column phase: RTX-502.2

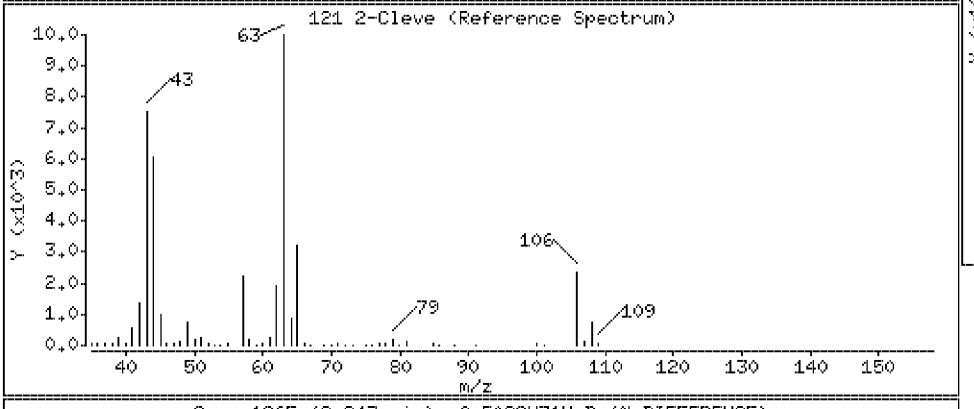
Column diameter: 0.18

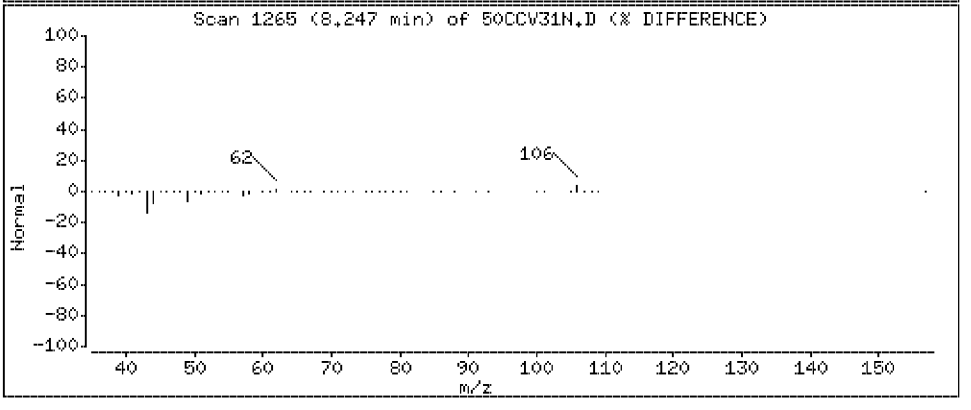
121 2-Cleve

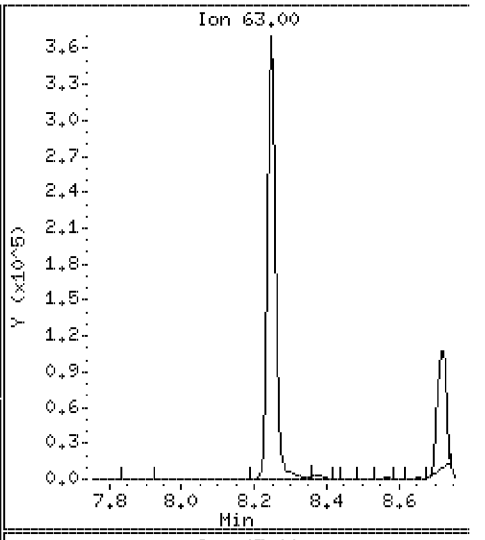
Concentration: 109 ug/l

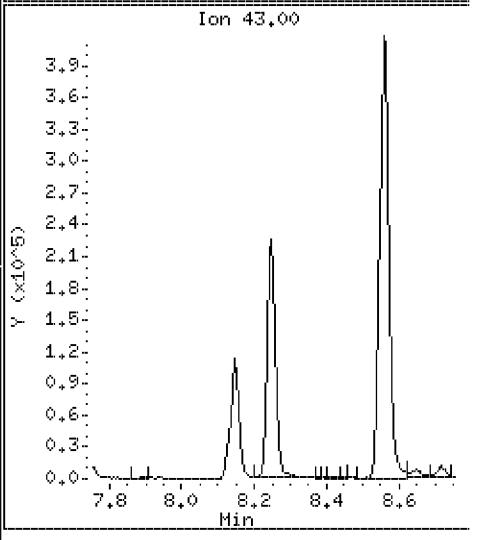












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D
Lab Smp Id: 072710LCSA31 Client Smp ID: 072710LCSA31
Inj Date : 27-JUL-2010 07:30
Operator : Inst ID: vms03.i
Smp Info : 072710LCSA31
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3072710N.B\8260NC.m
Meth Date : 30-Jul-2010 11:14 lpelo Quant Type: ISTD
Cal Date : 19-JUL-2010 08:45 Cal File: 200PPT.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				515051	42.3948	42.4
M 2 Xylenes (Total)	100				1511547	64.1736	64.2
M 3 Trihalomethanes (Total)	100				911275	77.8349	77.8
4 Dichlorodifluoromethane	85	1.373	1.368	(0.199)	211987	16.2617	16.3
5 Chloromethane	50	1.517	1.520	(0.220)	212832	17.3388	17.3
6 Vinyl Chloride	62	1.634	1.628	(0.237)	244286	20.1794	20.2
7 Bromomethane	96	1.949	1.949	(0.282)	130559	19.2864	19.3
8 Chloroethane	64	2.070	2.071	(0.300)	141306	17.8840	17.9
9 Trichlorofluoromethane	101	2.328	2.331	(0.337)	336604	18.7878	18.8
10 Acrolein	56	2.768	2.773	(0.401)	24939	26.7383	26.7(R)
11 1,1,2 Trichlorotrifluoromethan	101	2.946	2.948	(0.426)	171605	17.6179	17.6
12 Acetone	43	2.964	2.967	(0.429)	103154	42.1486	42.1
13 1,1-Dichloroethene	61	2.907	2.904	(0.421)	271343	17.3935	17.4
109 t-Butyl-Alcohol	59	3.801	3.798	(0.550)	139473	190.668	191
14 Acetonitrile	41	3.346	3.348	(0.484)	316905	145.723	146(q)
15 Iodomethane	142	3.093	3.089	(0.448)	291124	19.1914	19.2
16 Methyl Acetate	43	3.417	3.411	(0.495)	106843	16.1474	16.1
17 Allyl Chloride	41	3.346	3.348	(0.484)	316905	14.8039	14.8
18 Carbon Disulfide	76	3.142	3.138	(0.455)	503238	18.6238	18.6
19 Methylene Chloride	49	3.582	3.586	(0.518)	357044	20.9832	21.0
20 Acrylonitrile	53	3.912	3.916	(0.566)	136397	39.5929	39.6
21 Methyl-tert-butyl ether	73	3.973	3.975	(0.575)	384554	18.9567	19.0
22 trans 1,2-Dichloroethene	61	3.932	3.932	(0.569)	290494	20.7989	20.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	23 1,1-Dichloroethane	63	4.587	4.587	(0.664)	369592	21.1748	21.2
	24 Vinyl Acetate	43	4.743	4.750	(0.687)	630162	19.5777	19.6
	25 Chloroprene	53	4.727	4.731	(0.684)	281384	20.6104	20.6
	26 2-Butanone	43	5.513	5.528	(0.798)	142117	42.3027	42.3
	27 Propionitrile	54	5.578	5.596	(0.807)	221535	187.574	188
	28 2,2-Dichloropropane	77	5.431	5.430	(0.786)	142938	20.9905	21.0
	29 cis-1,2-Dichloroethene	96	5.445	5.453	(0.788)	224557	21.5959	21.6
	30 Methyacrylonitrile	67	5.780	5.782	(0.837)	688400	197.141	197
	31 Isobutyl Alcohol	43	5.977	5.977	(0.865)	101781	329.210	329(Q)
	32 Chloroform	83	5.902	5.907	(0.854)	344015	19.4967	19.5
	33 Bromochloromethane	49	5.760	5.764	(0.834)	194834	19.9012	19.9
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.103	6.104	(0.883)	532394	51.1373	51.1
	35 1,1,1-Trichloroethane	97	6.097	6.103	(0.882)	266153	20.4414	20.4
	36 Cyclohexane	56	6.158	6.158	(0.891)	340282	21.2613	21.3(Q)
	37 1,1-Dichloropropene	75	6.315	6.311	(0.914)	277665	21.2991	21.3
	38 Carbon tetrachloride	117	6.303	6.302	(0.912)	253308	19.4292	19.4
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.502	6.505	(0.941)	122226	50.0442	50.0(Q)
	40 1,2-Dichloroethane	62	6.593	6.592	(0.954)	271530	19.6011	19.6
	41 Benzene	78	6.560	6.555	(0.949)	810133	21.4832	21.5
*	42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1791552	50.0000	
	43 Trichloroethylene	130	7.332	7.327	(1.061)	211690	20.9609	21.0
	44 Methyl Cyclohexane	55	7.533	7.530	(1.090)	191563	21.4905	21.5
	45 1,2-Dichloropropane	63	7.574	7.576	(1.096)	217725	21.1861	21.2
	46 Methyl Methacrylate	69	7.760	7.762	(1.123)	112993	18.7287	18.7
	47 Bromodichloromethane	83	7.893	7.891	(1.142)	265160	19.3882	19.4
	48 1,4 Dioxane	88	7.751	7.764	(1.122)	32085	444.520	444(q)
	49 Dibromomethane	93	7.699	7.695	(1.114)	119073	19.1631	19.2
	50 4-Methyl-2-Pentanone	58	8.561	8.563	(1.239)	108938	39.2923	39.3(Q)
	51 2-Hexanone	43	9.422	9.425	(0.931)	196703	40.0095	40.0
	52 cis 1,3-Dichloropropene	75	8.377	8.382	(1.212)	294961	20.7436	20.7
$	53 TOLUENE d8 (surr)	98	8.651	8.651	(1.252)	2024373	50.9846	51.0
	54 Toluene	92	8.719	8.718	(1.262)	501024	21.4050	21.4
	55 trans 1,3-Dichloropropene	75	8.963	8.964	(1.297)	238042	18.5064	18.5
	56 Ethyl Methacrylate	69	9.085	9.087	(1.315)	200432	18.1436	18.1
	57 1,1,2-Trichloroethane	97	9.146	9.145	(1.324)	167609	19.6442	19.6
	58 1,3-Dichloropropane	76	9.312	9.311	(0.920)	301574	20.0076	20.0
	59 Tetrachloroethylene	164	9.281	9.287	(0.917)	163533	21.4006	21.4
	60 Dibromochloromethane	129	9.539	9.546	(0.942)	192297	19.7553	19.8
	61 1,2-Dibromoethane	107	9.643	9.641	(0.953)	169599	19.1750	19.2
	62 1-Chlorohexane	91	10.148	10.147	(1.002)	242713	20.2042	20.2(Q)
*	63 CHLOROBENZENE d5 (IS)	117	10.123	10.121	(1.000)	1568060	50.0000	
	64 Chlorobenzene	112	10.151	10.150	(1.003)	567934	20.2093	20.2(Q)
	65 1,1,1,2-Tetrachloroethane	131	10.240	10.235	(1.012)	192322	20.1157	20.1(Q)
	66 Ethylbenzene	106	10.273	10.270	(1.015)	304530	20.7402	20.7
	67 p,m-Xylene	106	10.393	10.393	(1.027)	758766	43.1895	43.2
	68 o-Xylene	91	10.789	10.787	(1.066)	752781	20.9841	21.0
	69 Styrene	104	10.802	10.803	(1.067)	622109	21.6212	21.6
	70 Bromoform	173	10.977	10.981	(1.084)	109803	19.1948	19.2
	71 1-Methylethylbenzene	105	11.164	11.165	(0.896)	825492	20.8528	20.8
	72 1,4-Dichloro-2-Butene	53	11.232	11.227	(0.901)	45399	35.2455	35.2(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.463	11.462	(0.920)	214382	18.7421	18.7(Q)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.309	11.308	(0.907)	722953	48.3979	48.4
	75 1,2,3- trichloropropane	110	11.502	11.500	(0.923)	63406	19.3585	19.4(Q)
	76 n-Propylbenzene	91	11.577	11.579	(0.929)	1011976	21.6032	21.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	11.452	11.453	(0.919)	370610	20.0778	20.1
78 1,3,5-Trimethylbenzene	105	11.756	11.755	(0.943)	742065	21.6216	21.6
79 2-Chlorotoluene	91	11.652	11.652	(0.935)	644003	20.6746	20.7
80 4-Chlorotoluene	91	11.763	11.762	(0.944)	745090	20.7081	20.7
81 tert-Butylbenzene	119	12.080	12.077	(0.969)	578052	21.4167	21.4
82 1,2,4-trimethylbenzene	105	12.128	12.129	(0.973)	793881	21.6435	21.6
123 1,2,3-Trimethylbenzene	105	12.549	12.547	(1.007)	901278	22.7622	22.8
83 sec-Butylbenzene	105	12.301	12.301	(0.987)	826233	21.9489	21.9
84 p-Isopropyltoluene	119	12.450	12.450	(0.999)	706244	21.5967	21.6
85 1,3-Dichlorobenzene	146	12.400	12.400	(0.995)	443016	21.0958	21.1
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	886920	50.0000	
87 1,4-Dichlorobenzene	146	12.489	12.488	(1.002)	446051	20.0031	20.0(Q)
88 Benzyl Chloride	91	12.629	12.627	(1.013)	180429	16.6754	16.7
89 n-Butylbenzene	91	12.858	12.859	(1.031)	610768	22.1447	22.1
90 1,2-Dichlorobenzene	146	12.859	12.855	(1.032)	417950	20.6614	20.7
91 1,2-dibromo-3-chloropropane	75	13.639	13.639	(1.094)	29480	16.8931	16.9(q)
92 1,2,4-Trichlorobenzene	180	14.401	14.402	(1.155)	216841	20.1624	20.2
93 Hexachlorobutadiene	223	14.542	14.540	(1.167)	60501	22.8908	22.9(Q)
94 Naphthalene	128	14.589	14.589	(1.170)	487107	17.3875	17.4
95 1,2,3-trichlorobenzene	180	14.767	14.765	(1.185)	186721	18.4169	18.4
103 Isopropyl Ether	45	4.774	4.780	(0.691)	633673	20.7958	20.8
104 Ethyl acetate	43	5.633	5.639	(0.815)	266877	36.3579	36.4(Q)
105 Cyclohexanone	55	11.243	11.244	(1.111)	133614	390.002	390(R)
106 Ethyl ether	59	2.631	2.635	(0.381)	126664	16.6944	16.7(Q)
107 2-Nitropropane	43	8.145	8.148	(1.179)	64712	32.0395	32.0
108 Tetrahydrofuran	42	5.832	5.855	(0.844)	81214	37.3376	37.3
110 Chlorotrifluoroethylene	116	1.327	1.328	(0.192)	12556	9.33761	9.3(aR)
111 Isobutene	41	1.584	1.601	(0.229)	171558	494.534	494(A)
112 Ethanol	45	2.547	2.547	(0.369)	34295	1308.19	1310
113 2-chloro-1,1,1-trifluoroethan	118	1.745	1.745	(0.253)	279721	22.0522	22.0
114 Bromoethane	108	3.157	3.158	(0.457)	133150	19.1398	19.1
115 n-Hexane	57	4.395	4.393	(0.636)	212107	22.9285	22.9
116 tert-Butyl ethyl ether	59	5.306	5.305	(0.768)	404108	19.4651	19.5
117 t-butyl formate	59	5.977	5.977	(0.865)	643145	321.059	321
118 tert-Amyl alcohol	59	6.675	6.680	(0.966)	164132	357.036	357(Q)
119 tert-Amyl-methyl ether	73	6.748	6.749	(0.977)	393706	19.0030	19.0
120 3,3-dimethyl-1-butanol	57	9.644	9.644	(1.396)	167192	367.593	368
121 2-Cleve	63	8.247	8.252	(1.194)	229618	39.4720	39.5

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: LCS31N.D
Lab Smp Id: 072710LCSA31
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3072710N.B\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 072710LCSA31
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1791552	12.04
63 CHLOROBENZENE d5	1329024	664512	2658048	1568060	17.99
86 1,4-DICHLOROBENZE	751249	375625	1502498	886920	18.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.00
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.01
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

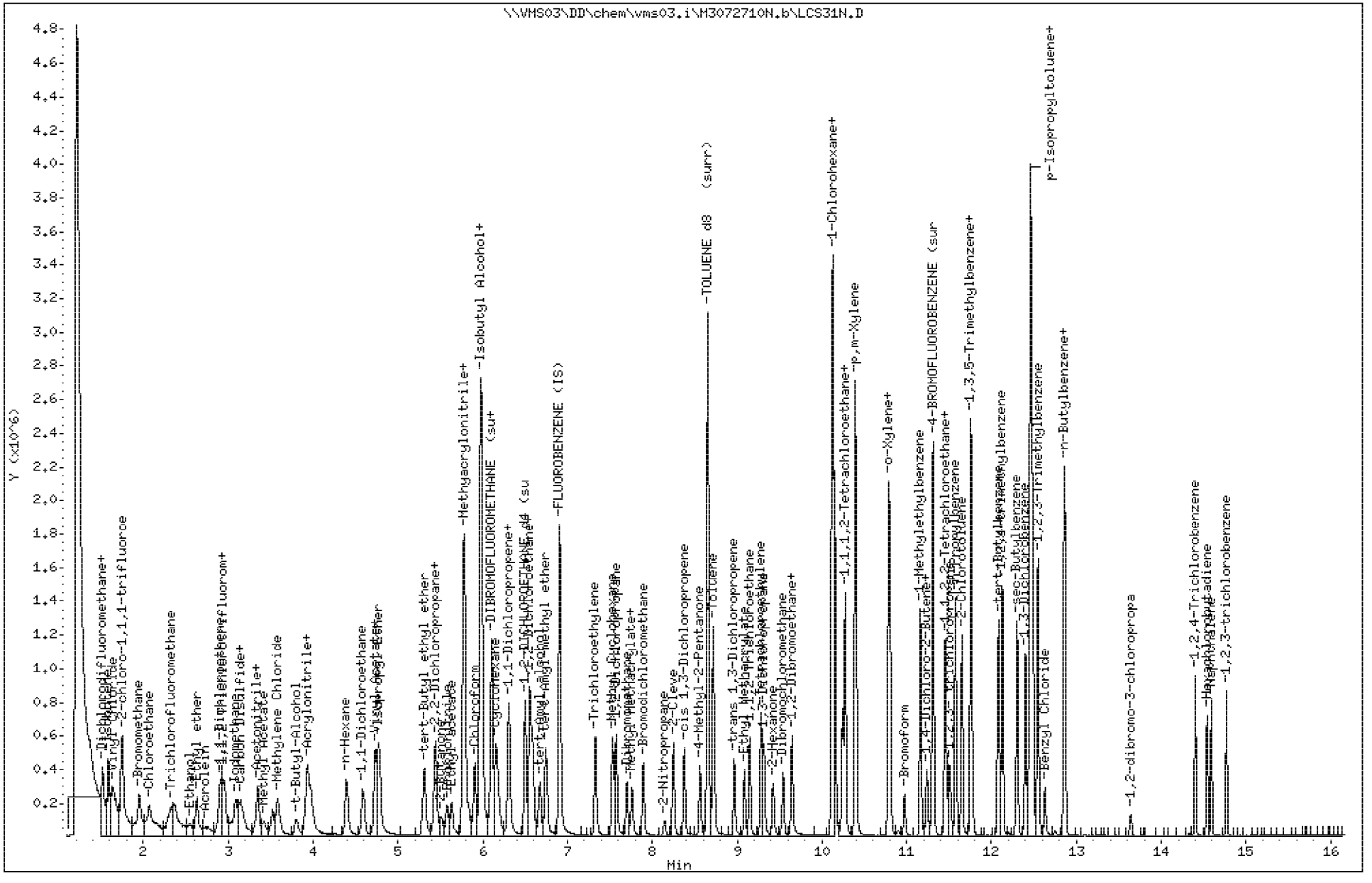
Sample Info: 072710LCSA31

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



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Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

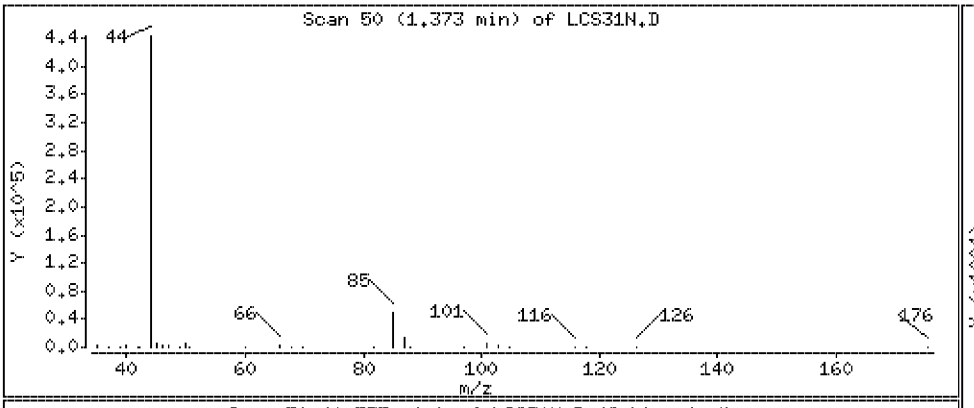
Operator:

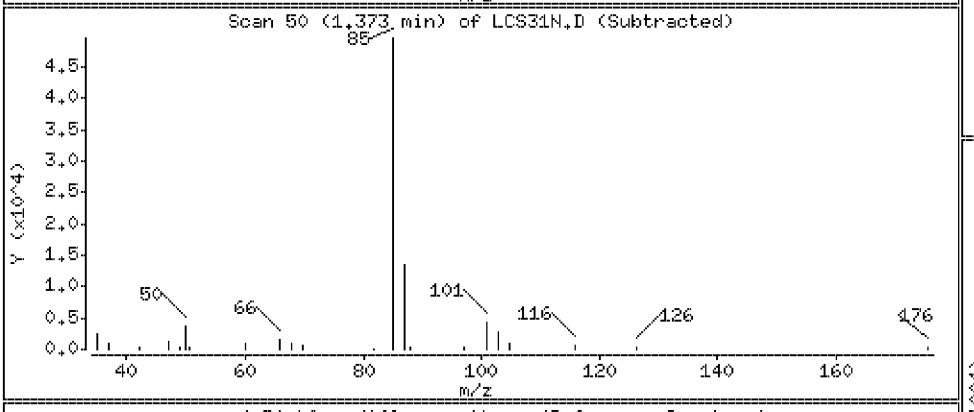
Column phase: RTX-502.2

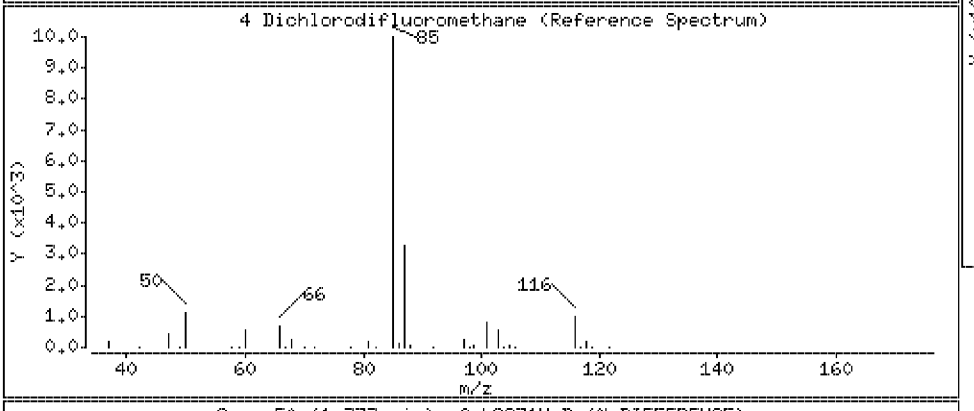
Column diameter: 0.18

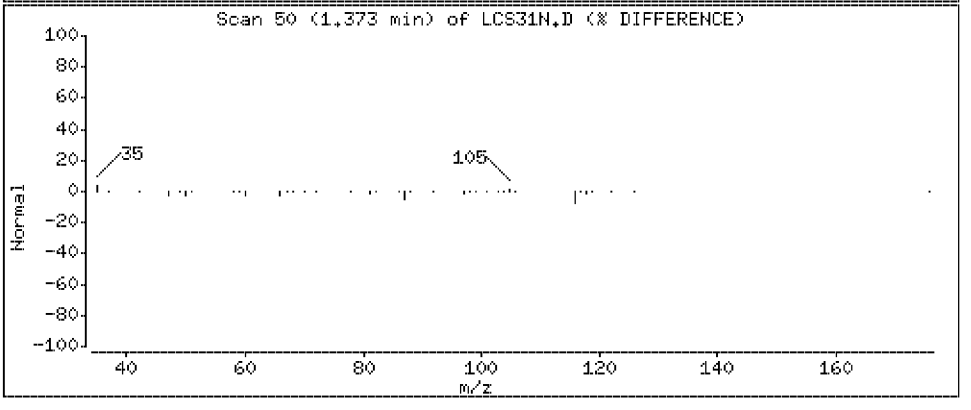
4 Dichlorodifluoromethane

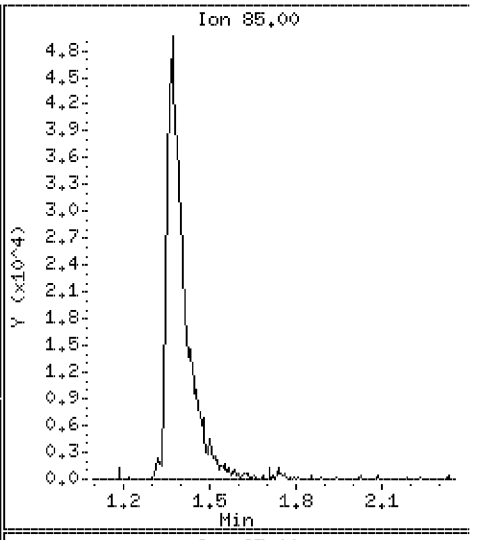
Concentration: 16.3 ug/l

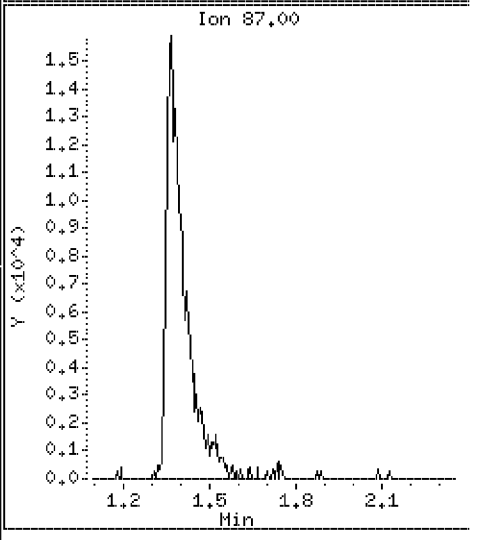












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

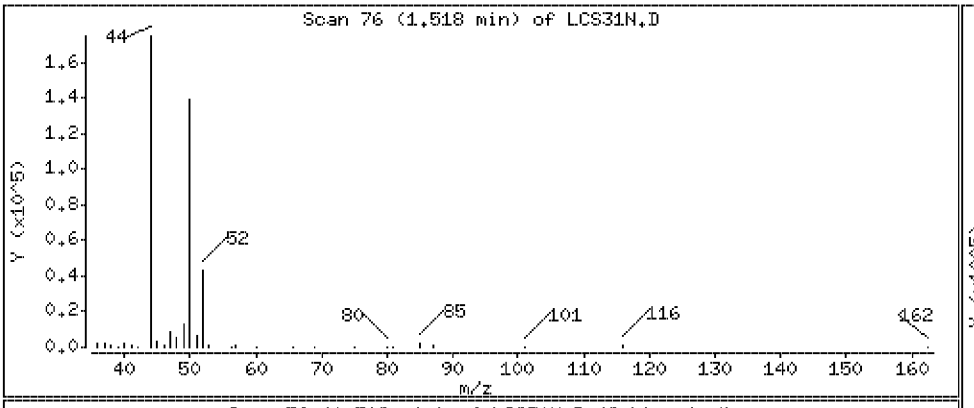
Operator:

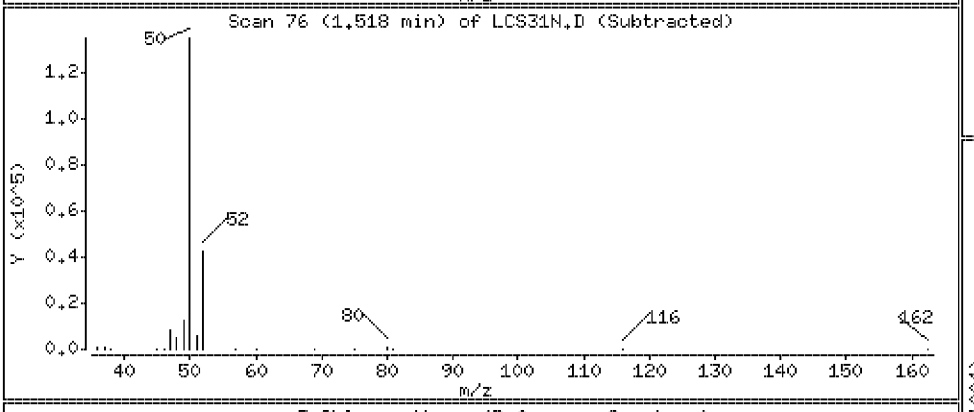
Column phase: RTX-502.2

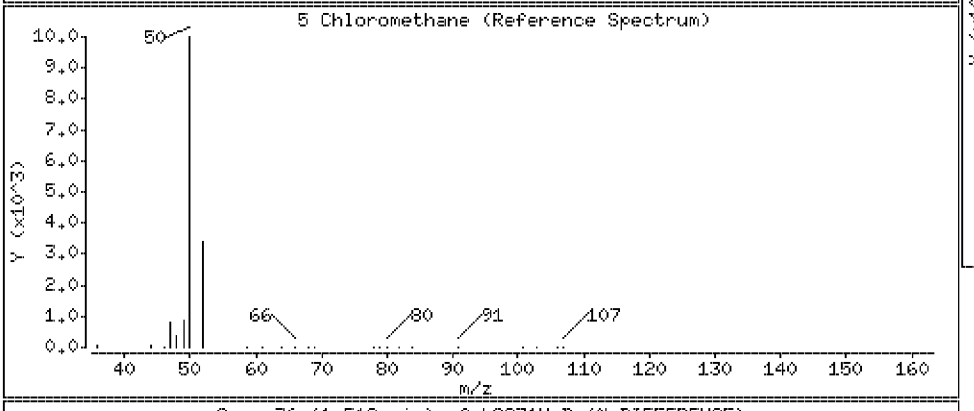
Column diameter: 0.18

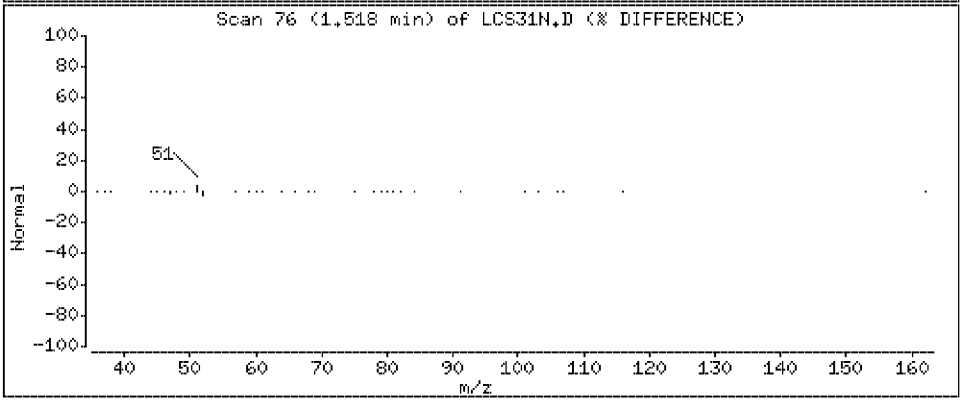
5 Chloromethane

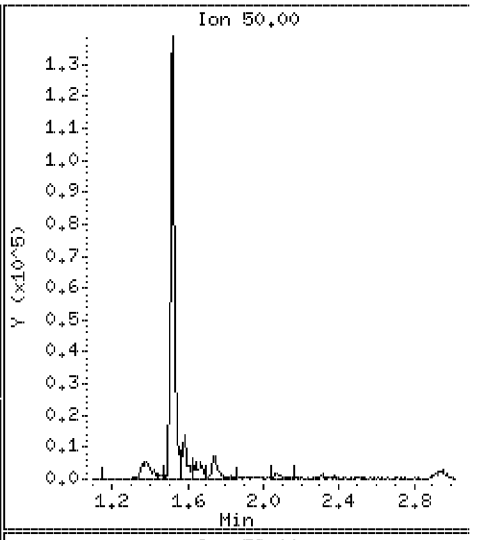
Concentration: 17.3 ug/l

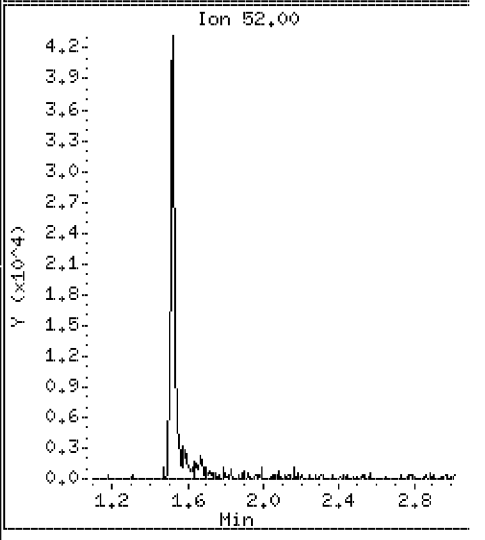












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Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

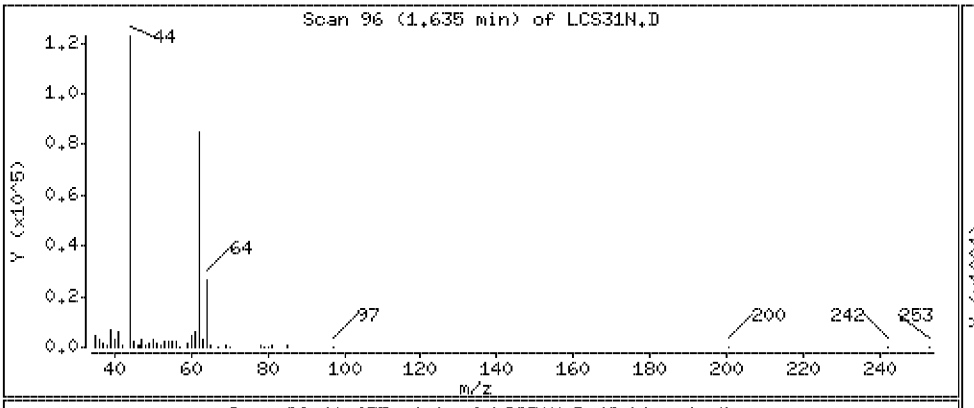
Operator:

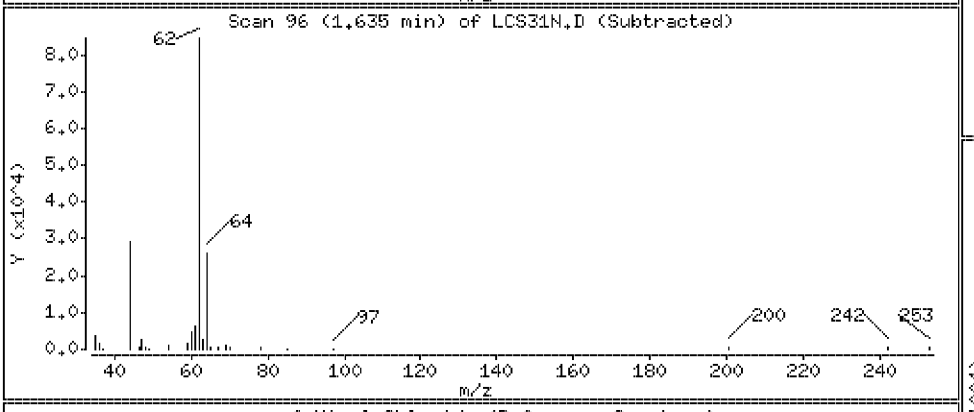
Column phase: RTX-502.2

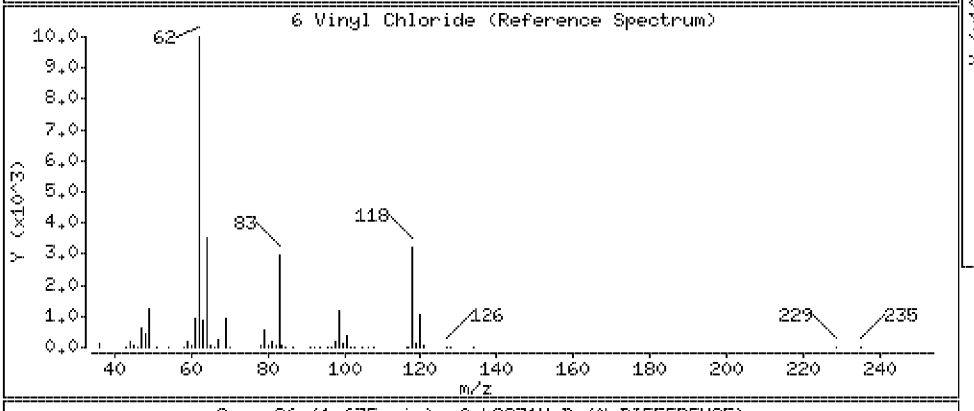
Column diameter: 0.18

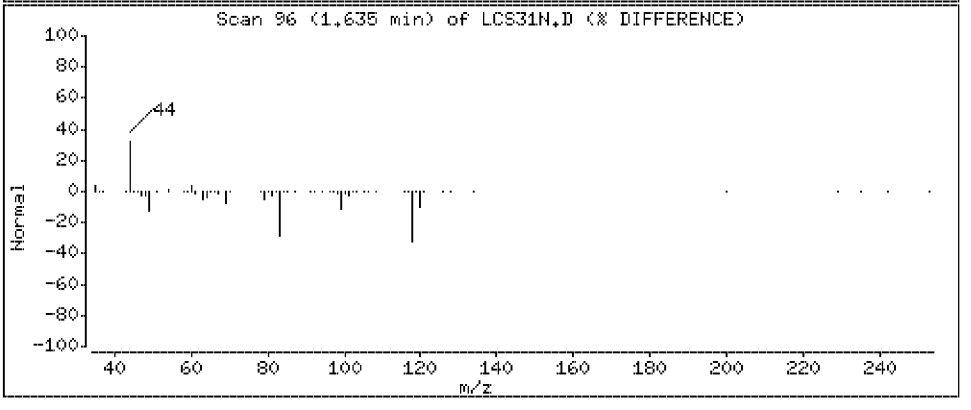
6 Vinyl Chloride

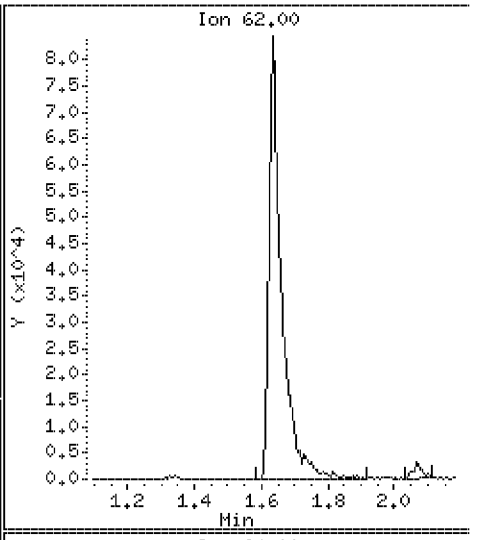
Concentration: 20.2 ug/l

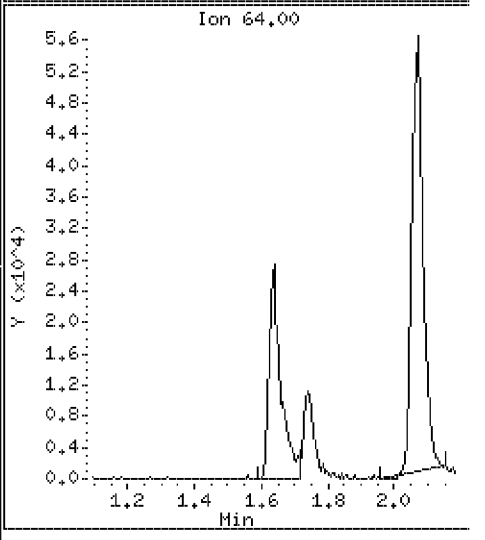












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Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

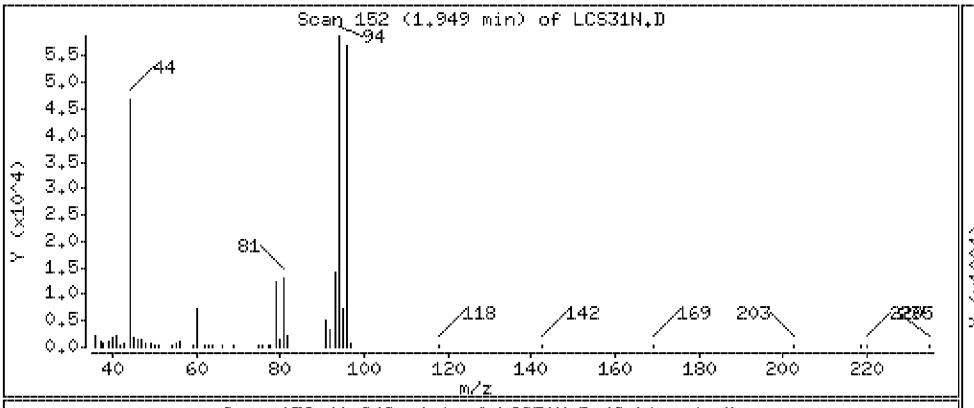
Operator:

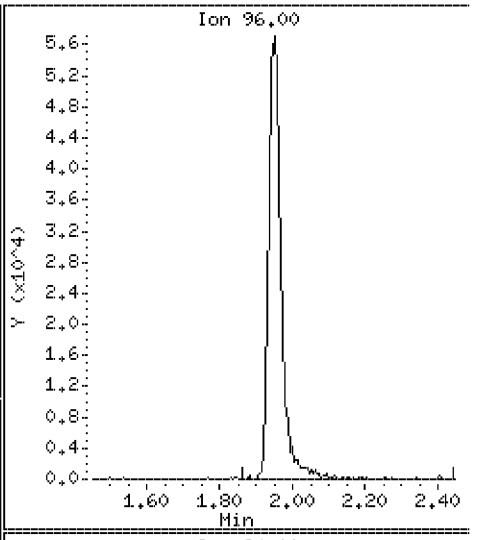
Column phase: RTX-502.2

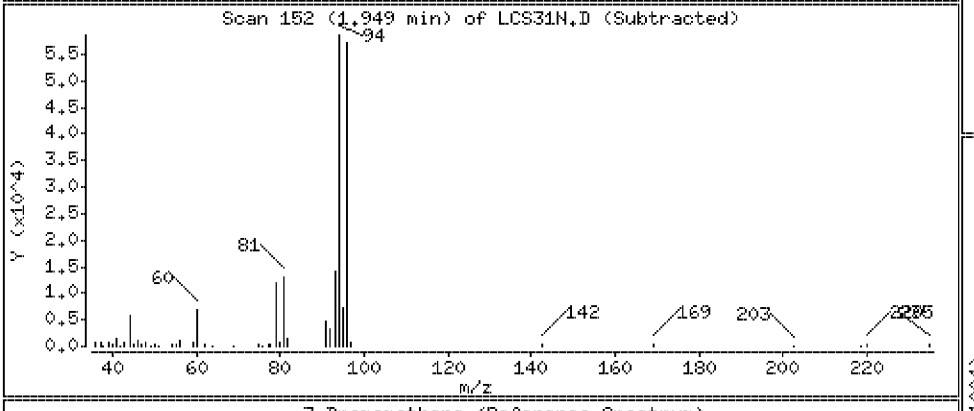
Column diameter: 0.18

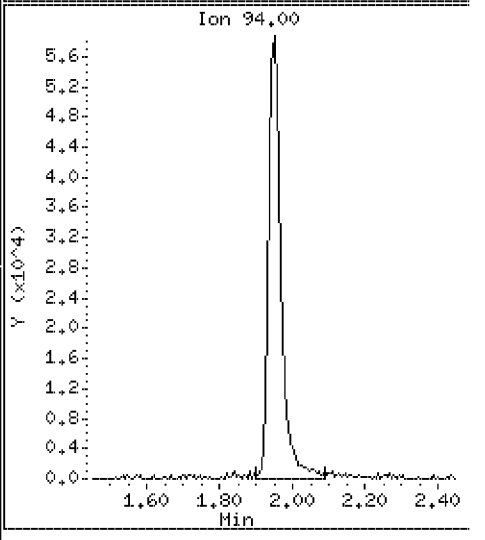
7 Bromomethane

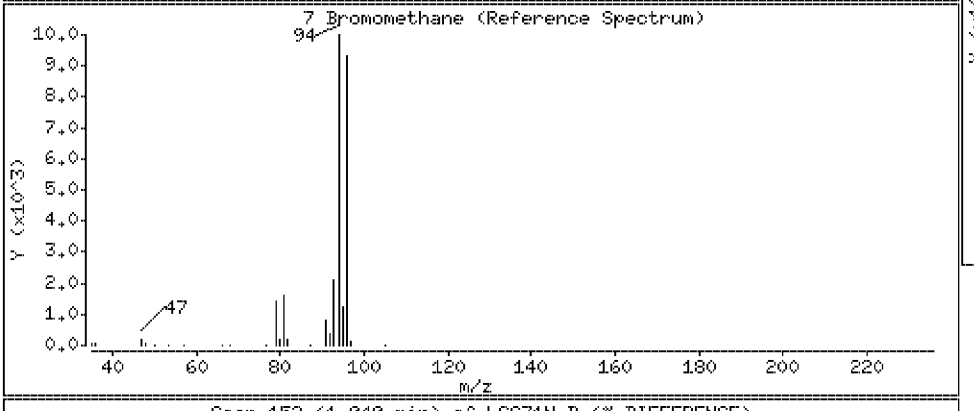
Concentration: 19.3 ug/l

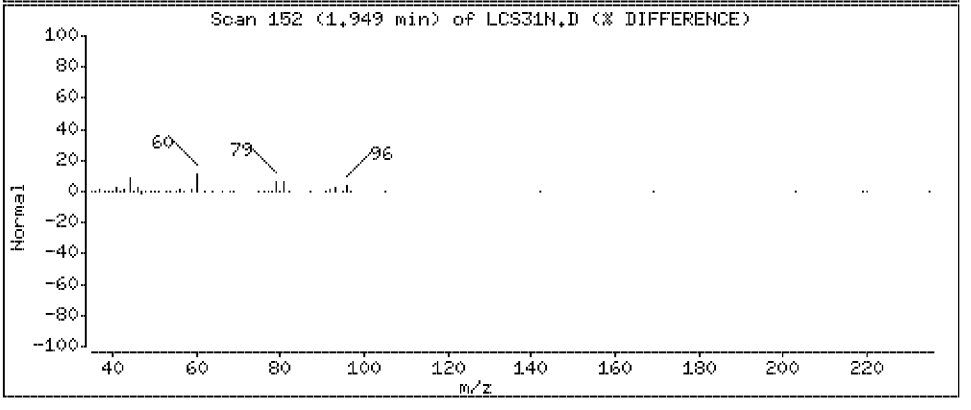












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Date : 27-JUL-2010 07:30

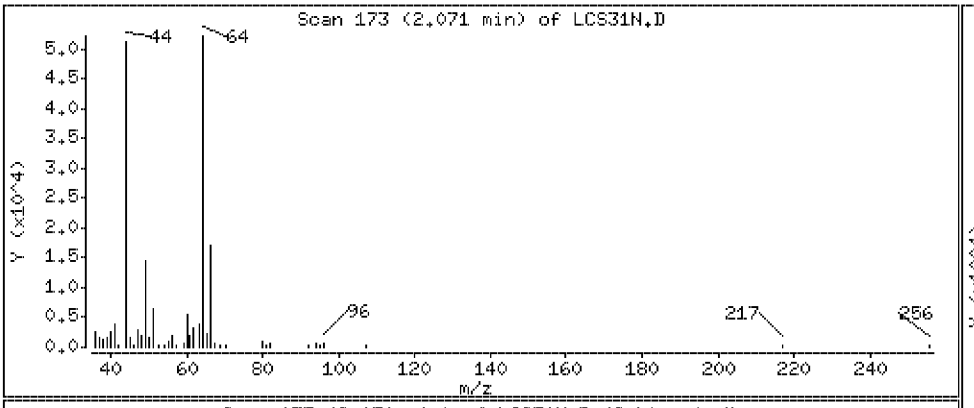
Client ID: 072710LCSA31 Instrument: vms03.i

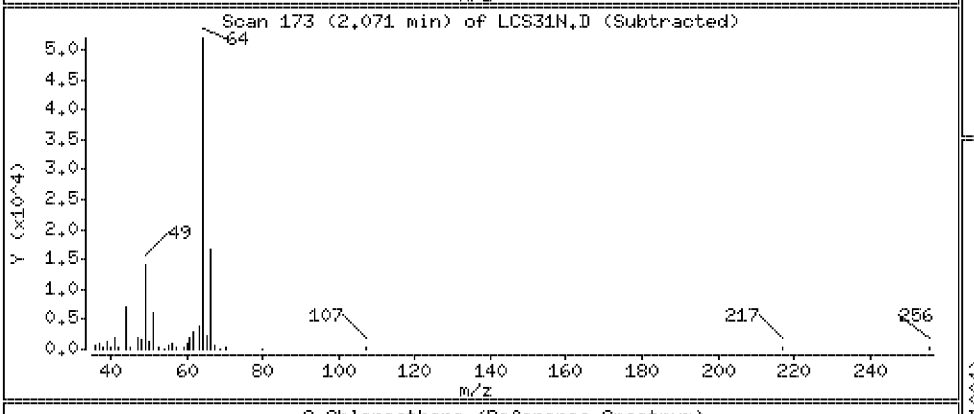
Sample Info: 072710LCSA31

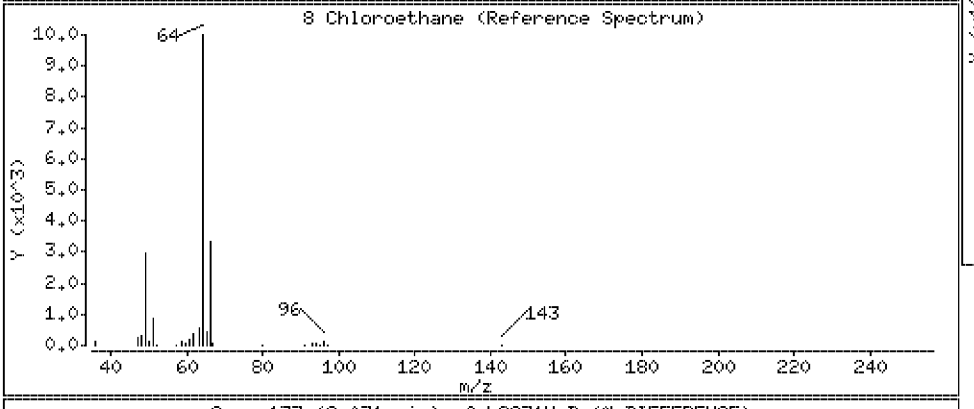
Purge Volume: 5.0 Operator:

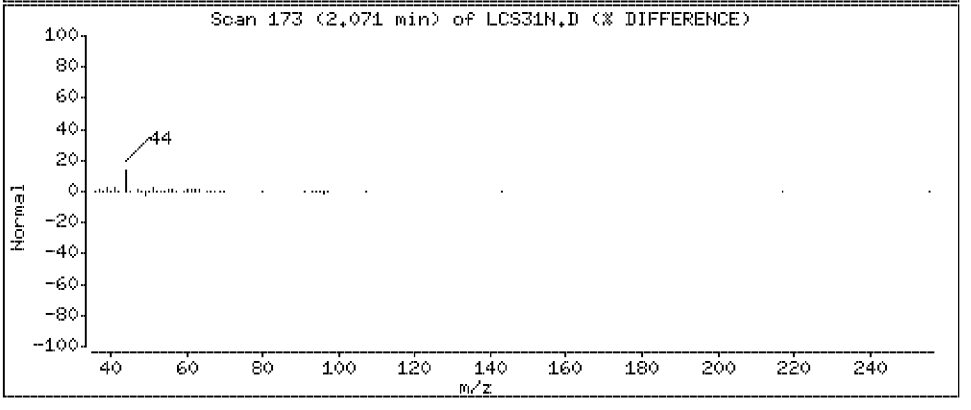
Column phase: RTX-502.2 Column diameter: 0.18

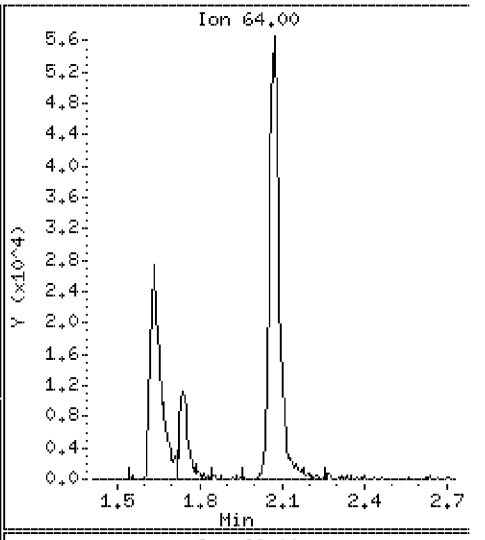
8 Chloroethane Concentration: 17.9 ug/l

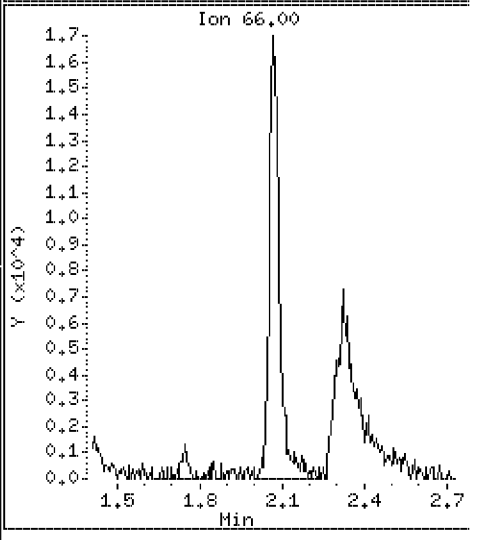












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

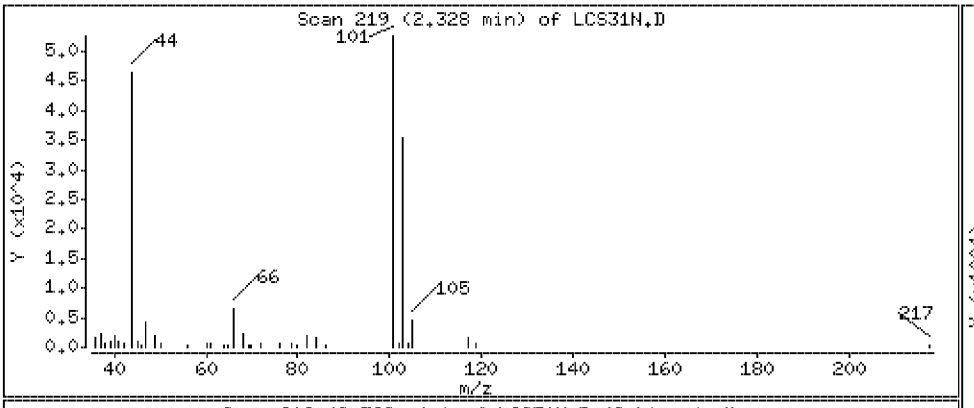
Client ID: 072710LCSA31 Instrument: vms03.i

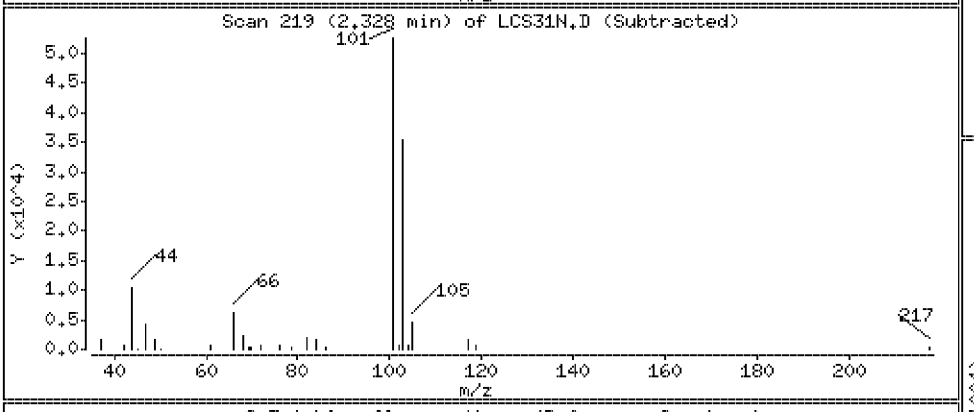
Sample Info: 072710LCSA31

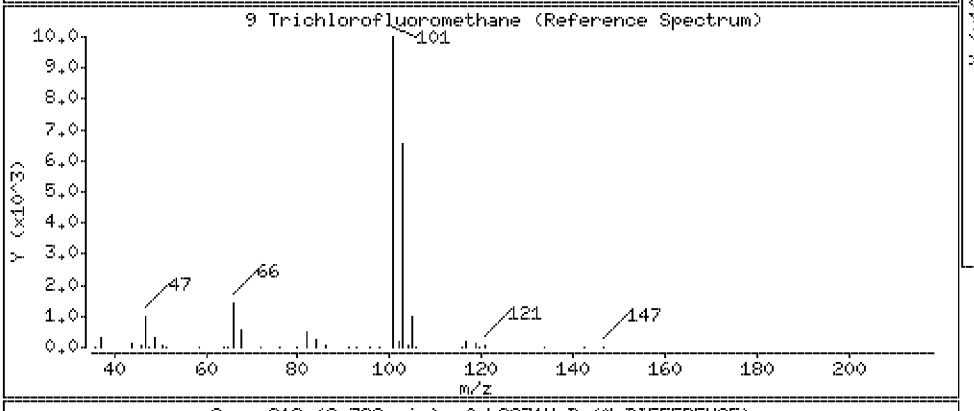
Purge Volume: 5.0 Operator:

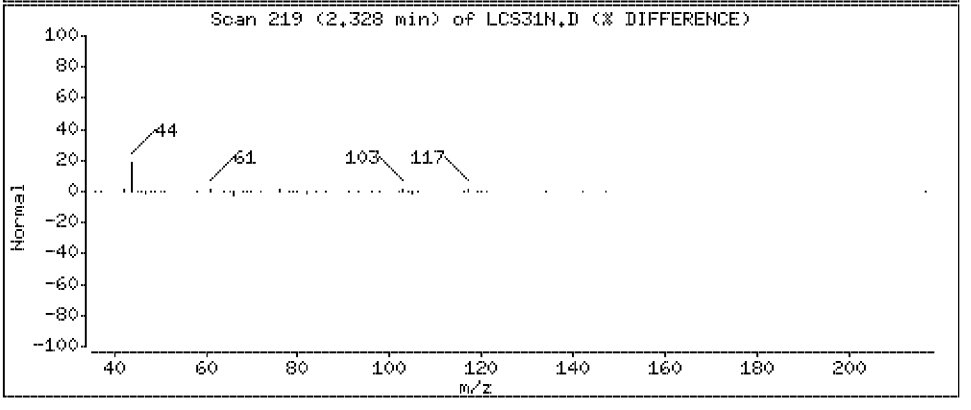
Column phase: RTX-502.2 Column diameter: 0.18

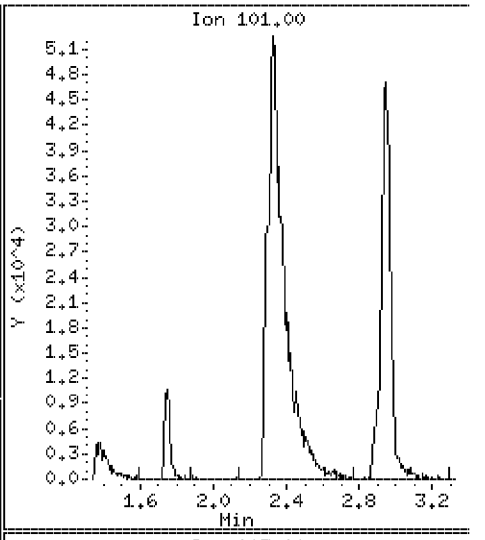
9 Trichlorofluoromethane Concentration: 18.8 ug/l

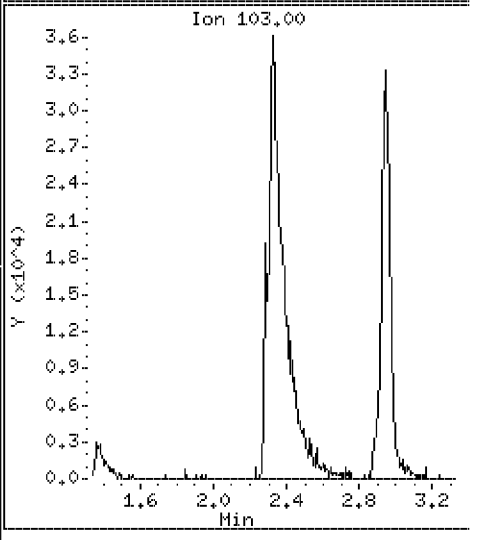












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Date : 27-JUL-2010 07:30

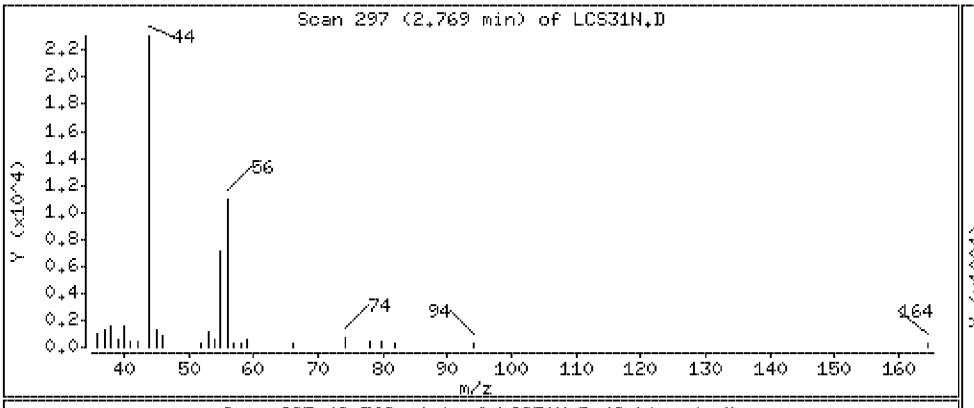
Client ID: 072710LCSA31 Instrument: vms03.i

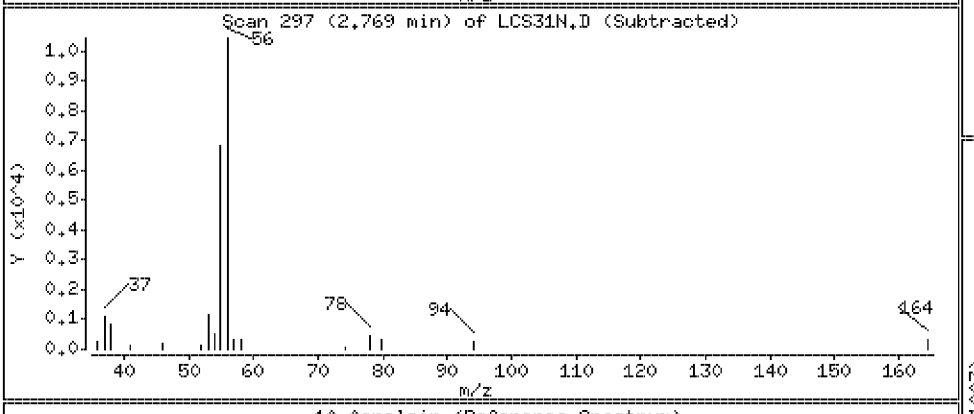
Sample Info: 072710LCSA31

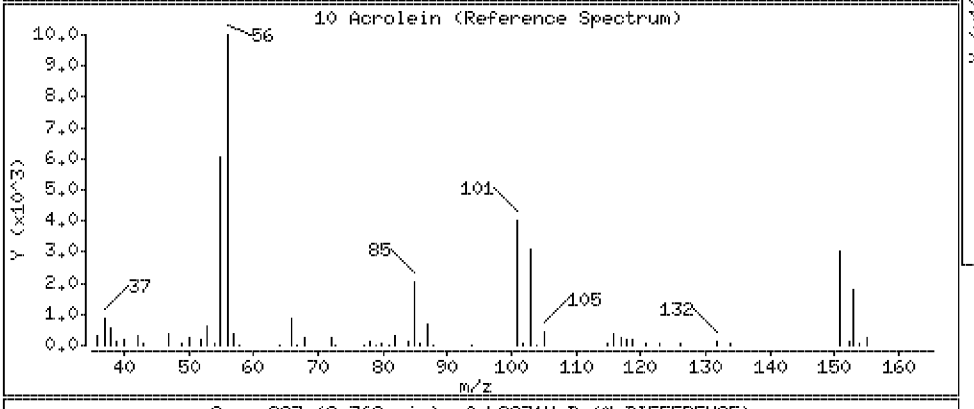
Purge Volume: 5.0 Operator:

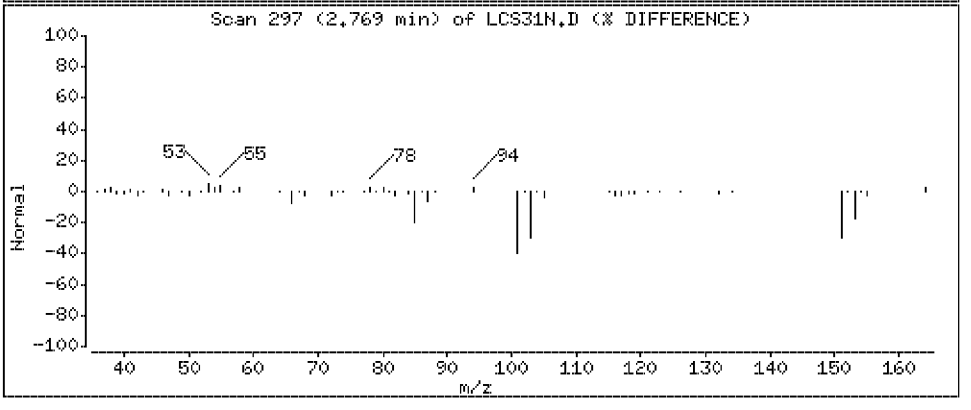
Column phase: RTX-502.2 Column diameter: 0.18

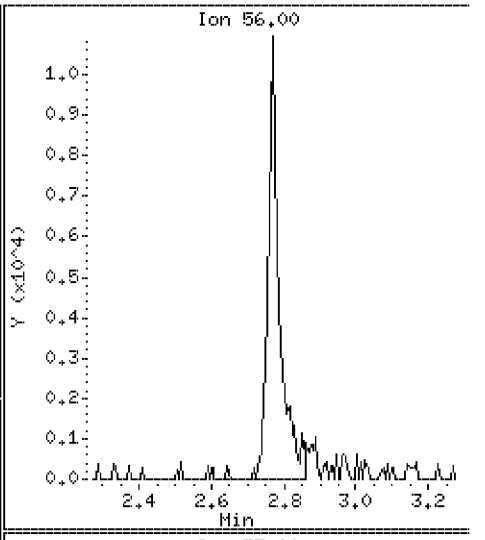
10 Acrolein Concentration: 26.7 ug/l

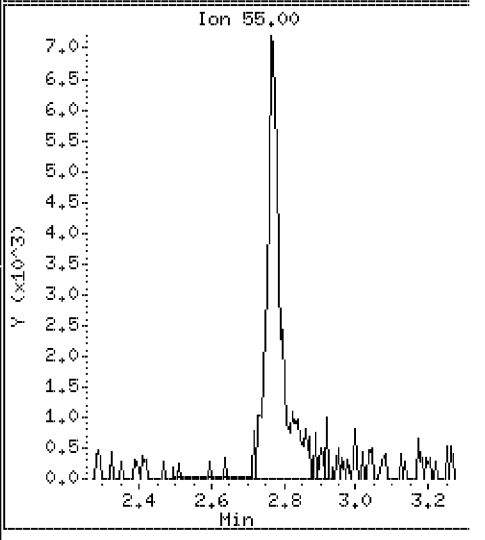












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Date : 27-JUL-2010 07:30

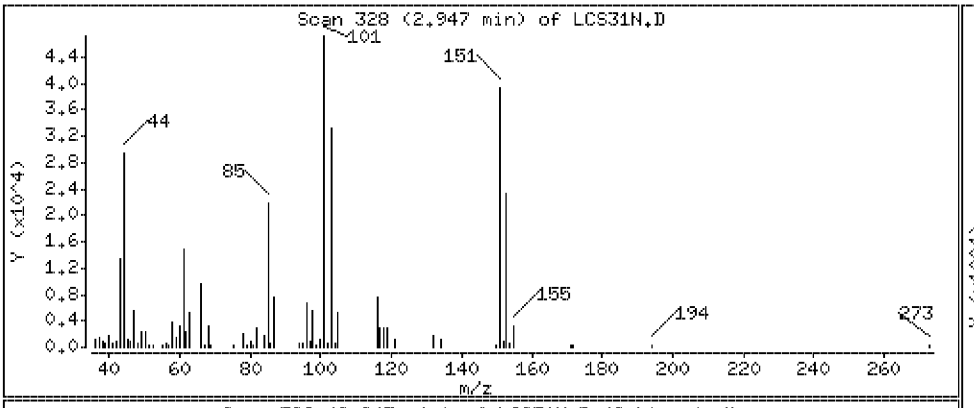
Client ID: 072710LCSA31 Instrument: vms03.i

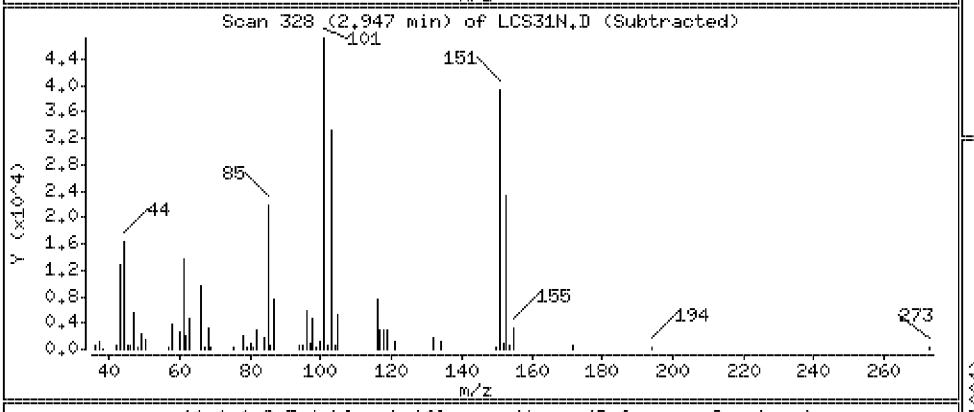
Sample Info: 072710LCSA31

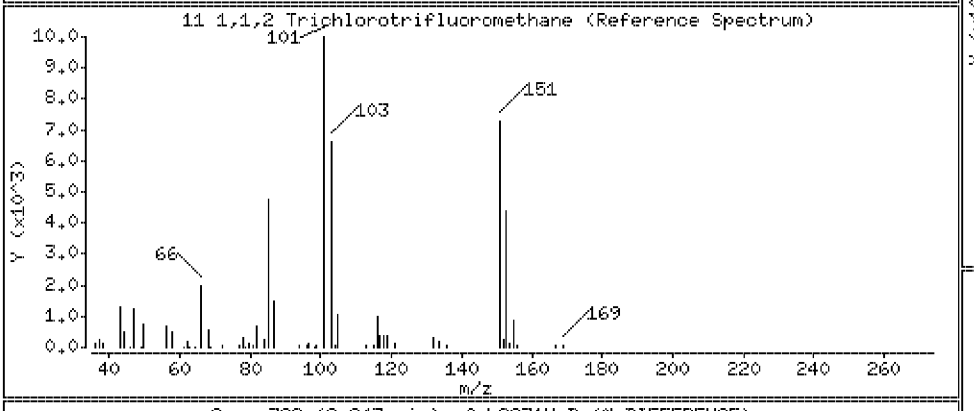
Purge Volume: 5.0 Operator:

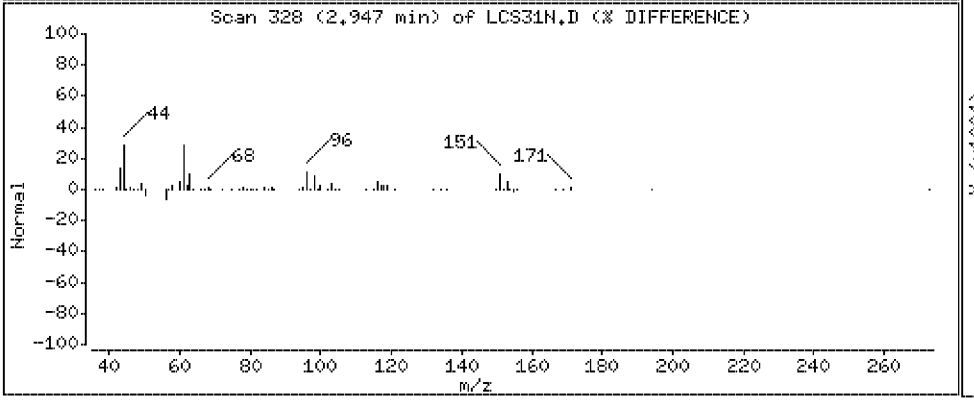
Column phase: RTX-502.2 Column diameter: 0.18

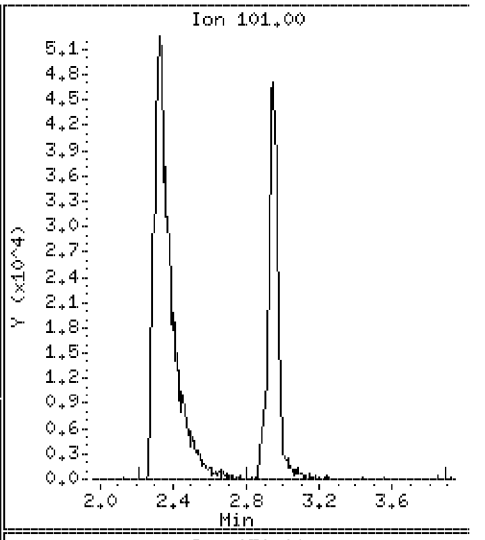
11 1,1,2 Trichlorotrifluoromethane Concentration: 17.6 ug/l

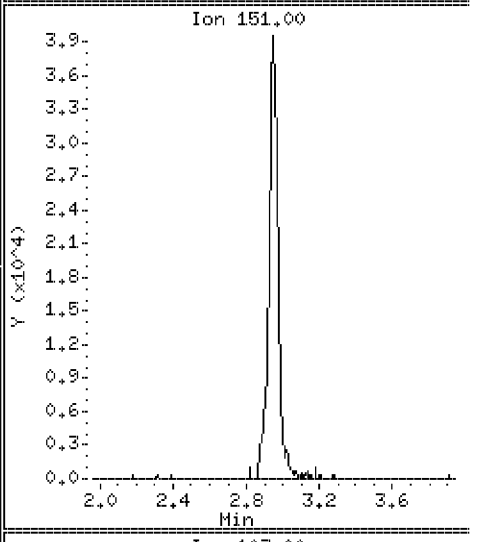


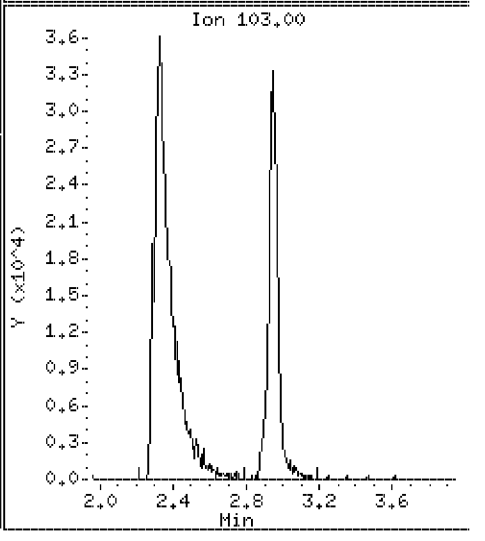












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

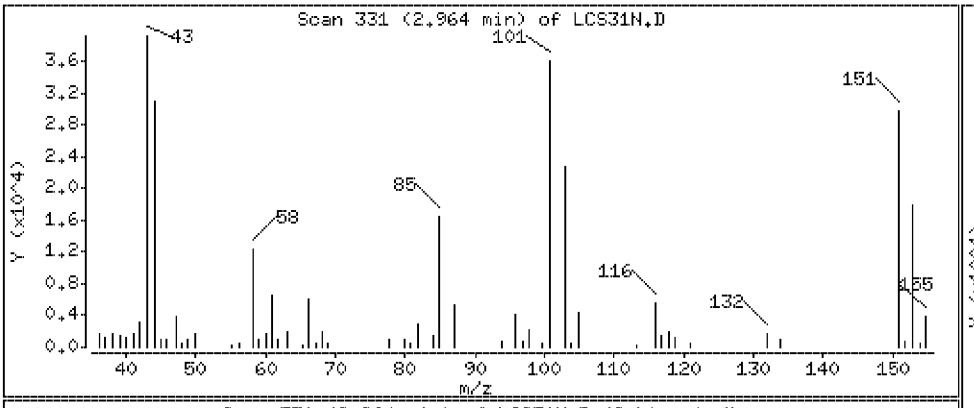
Operator:

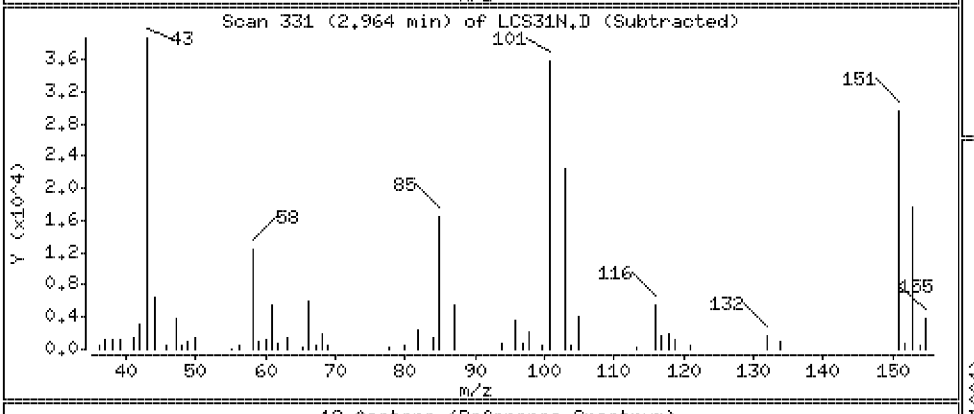
Column phase: RTX-502.2

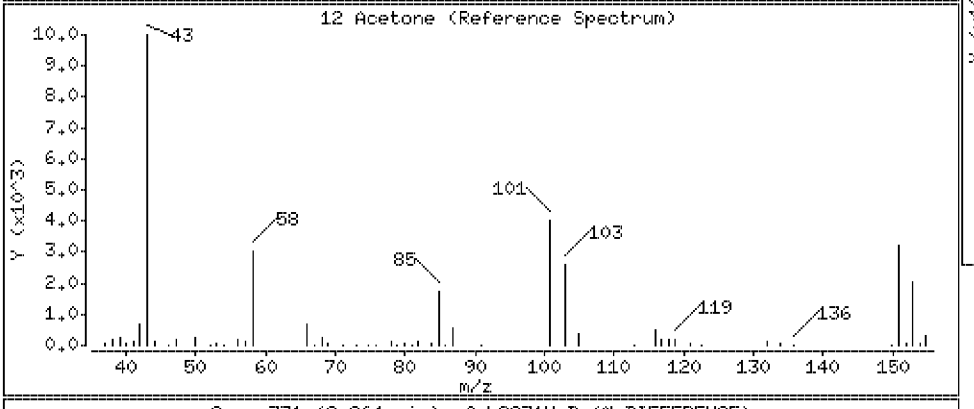
Column diameter: 0.18

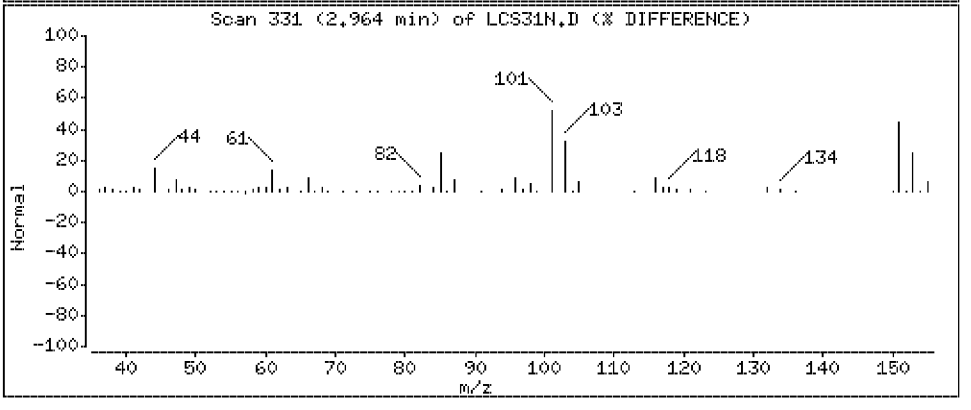
12 Acetone

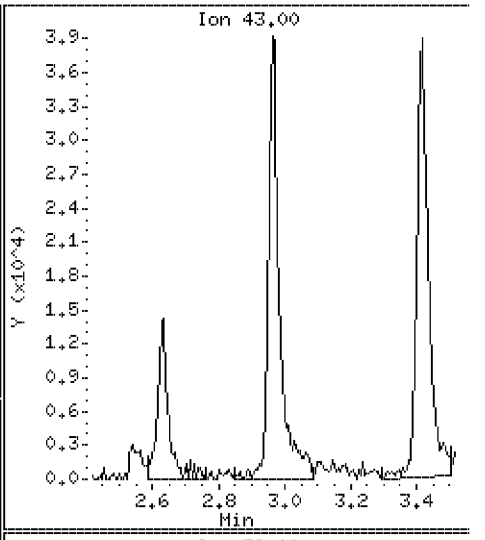
Concentration: 42.1 ug/l

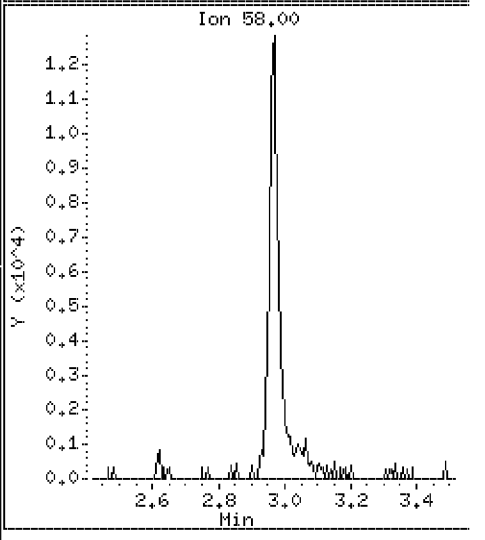












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

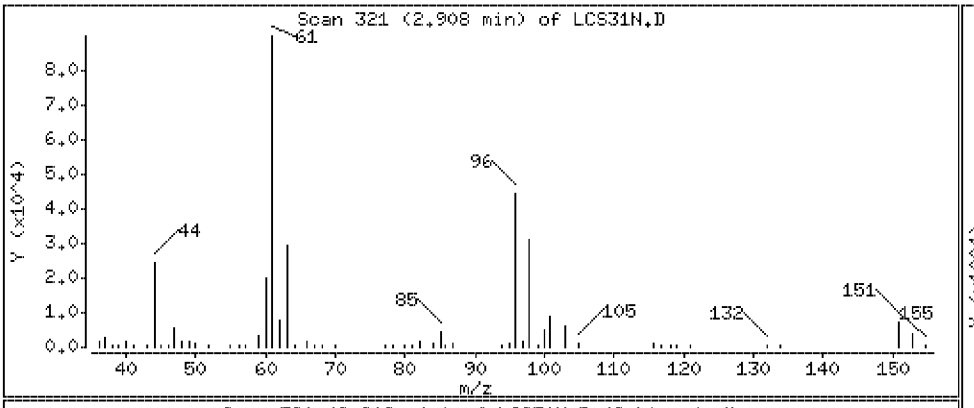
Operator:

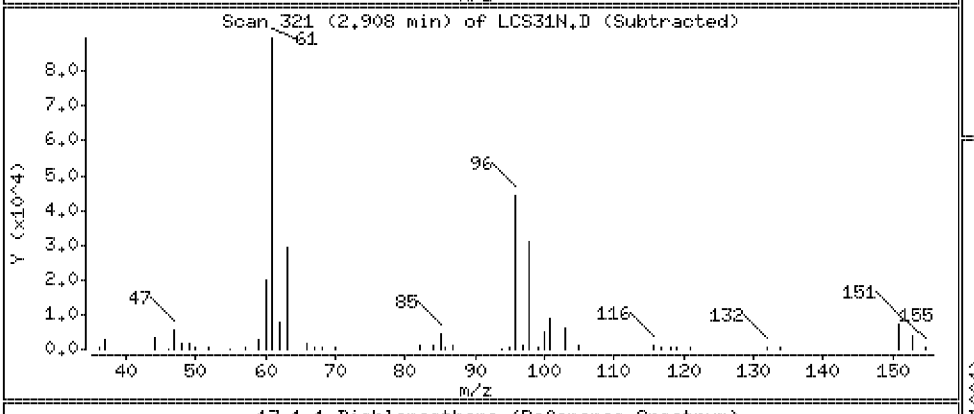
Column phase: RTX-502.2

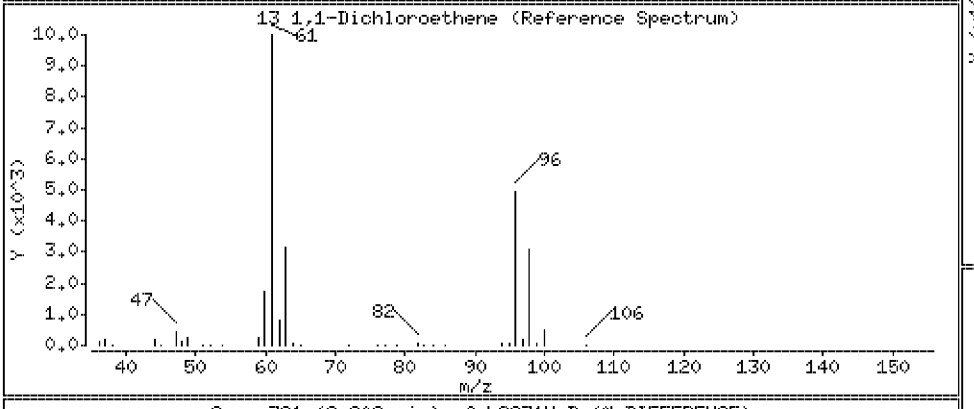
Column diameter: 0.18

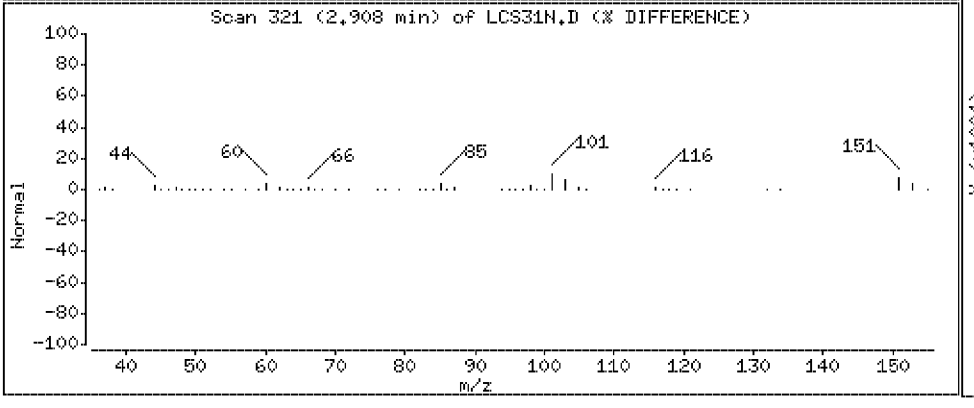
13 1,1-Dichloroethene

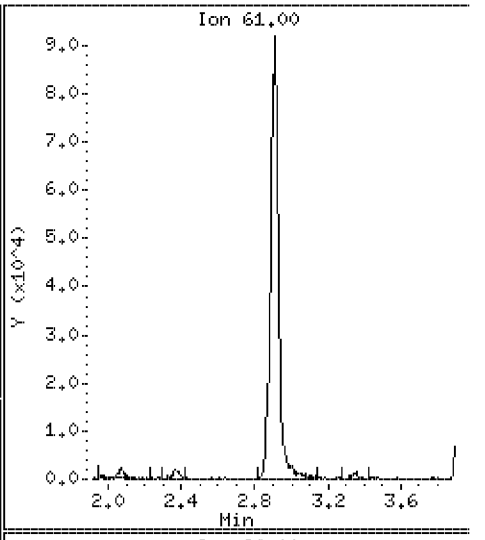
Concentration: 17.4 ug/l

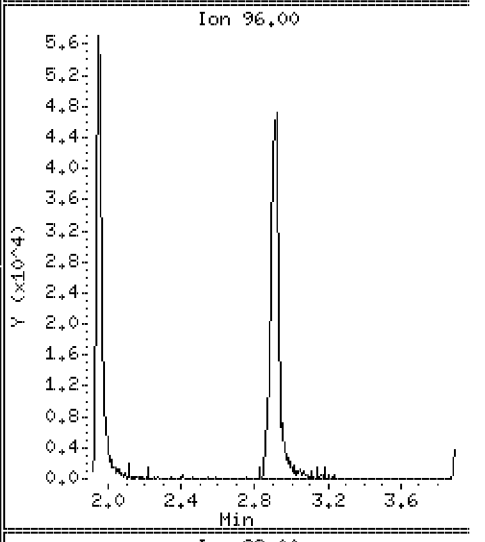


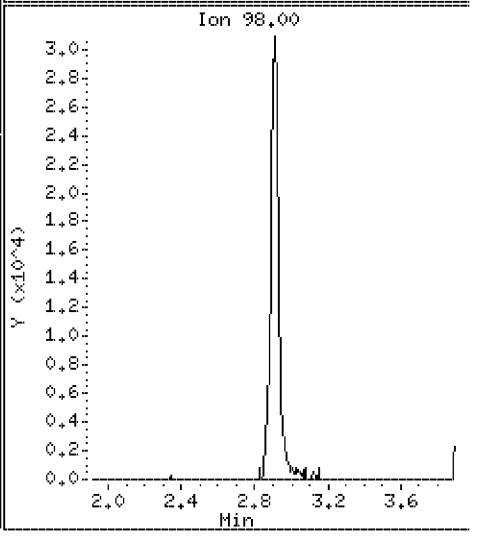












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

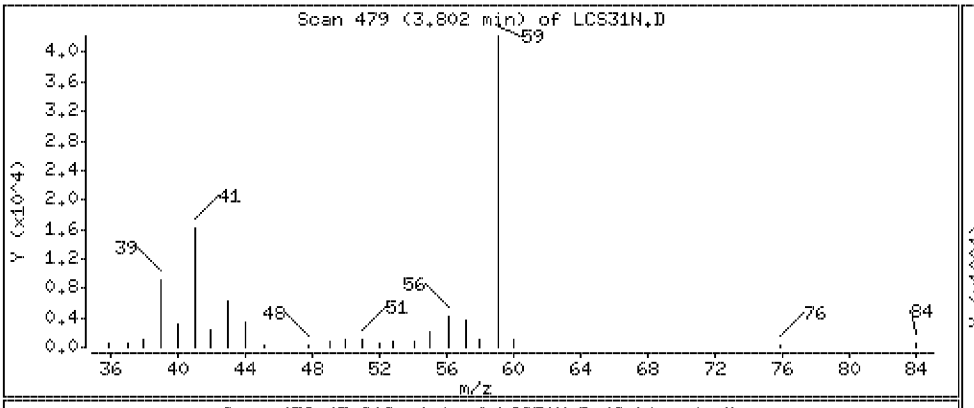
Client ID: 072710LCSA31 Instrument: vms03.i

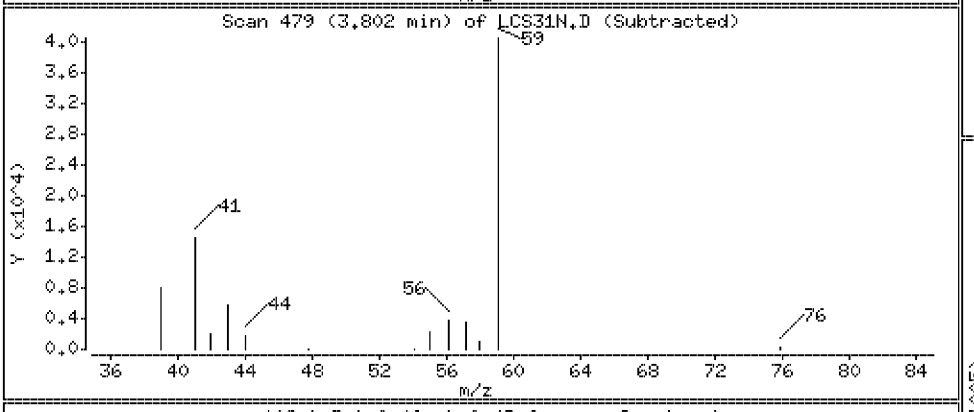
Sample Info: 072710LCSA31

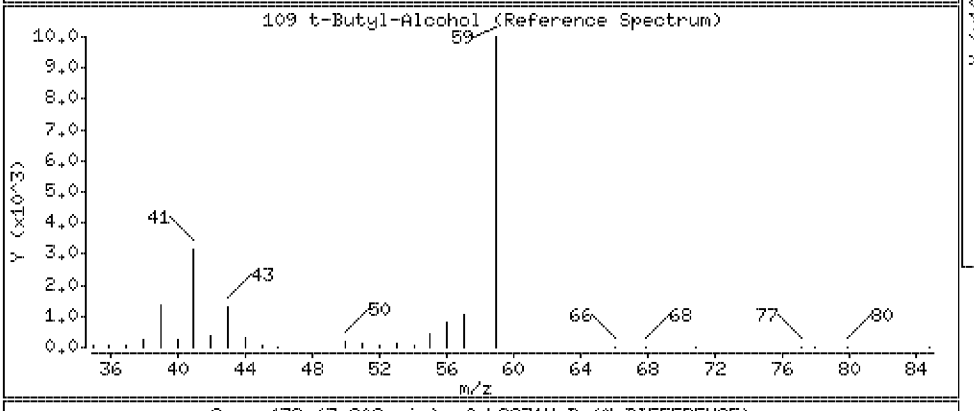
Purge Volume: 5.0 Operator:

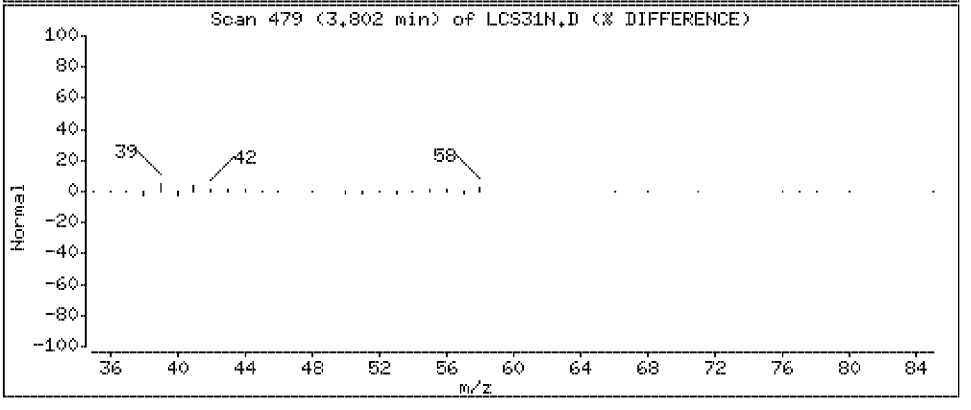
Column phase: RTX-502.2 Column diameter: 0.18

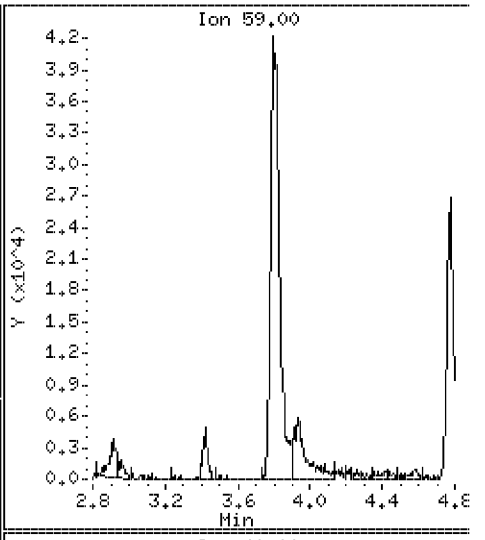
109 t-Butyl-Alcohol Concentration: 191 ug/l

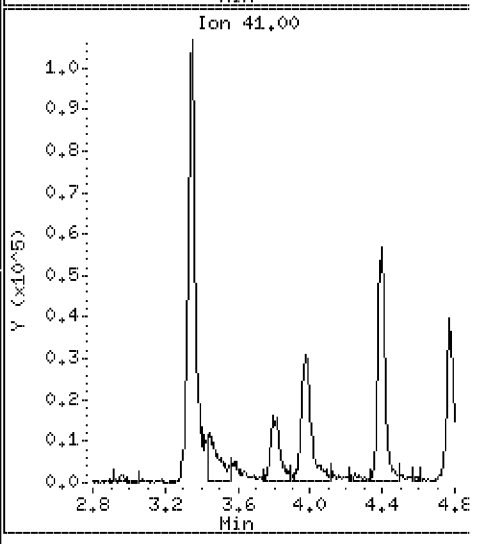












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

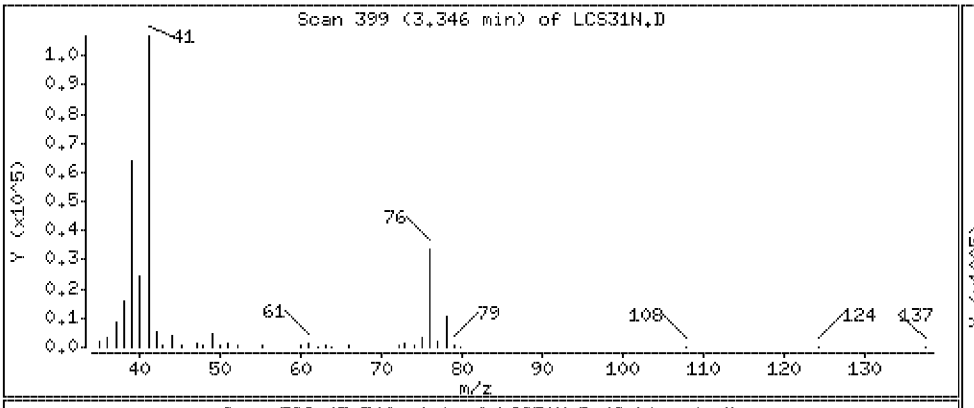
Operator:

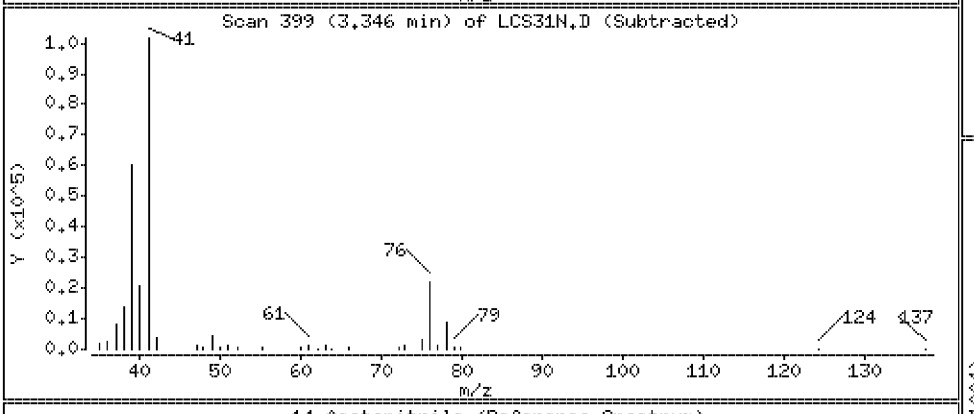
Column phase: RTX-502.2

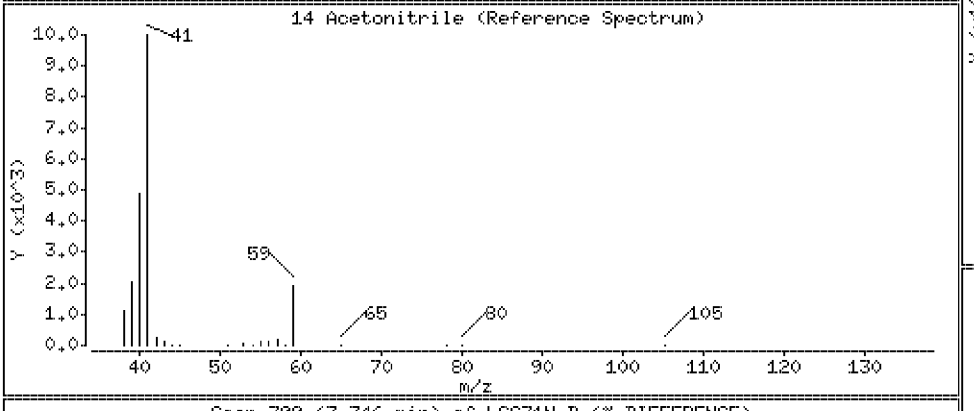
Column diameter: 0.18

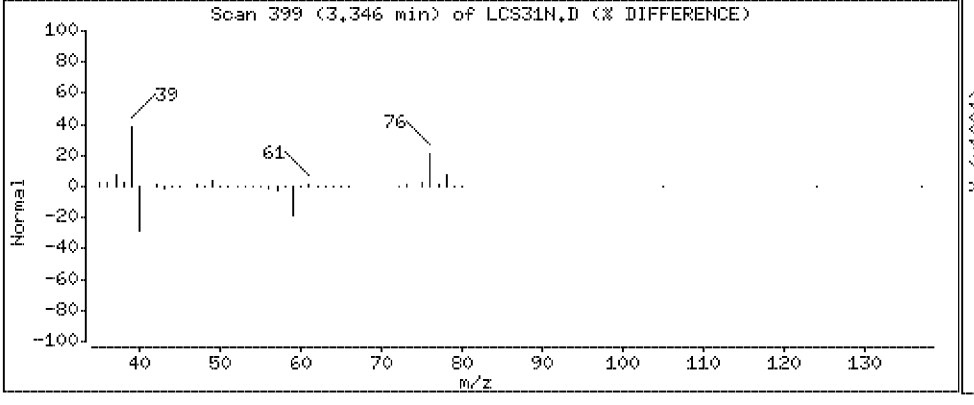
14 Acetonitrile

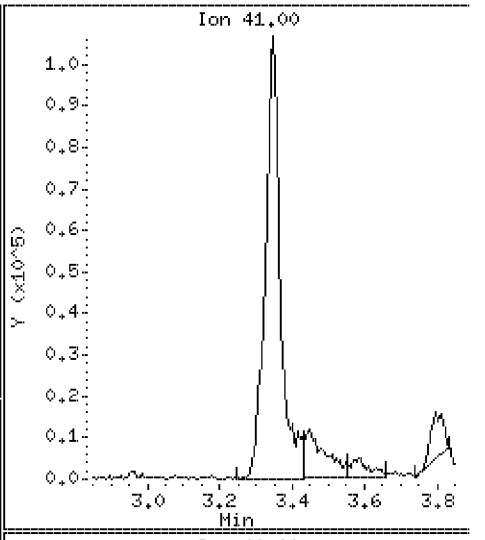
Concentration: 146 ug/l

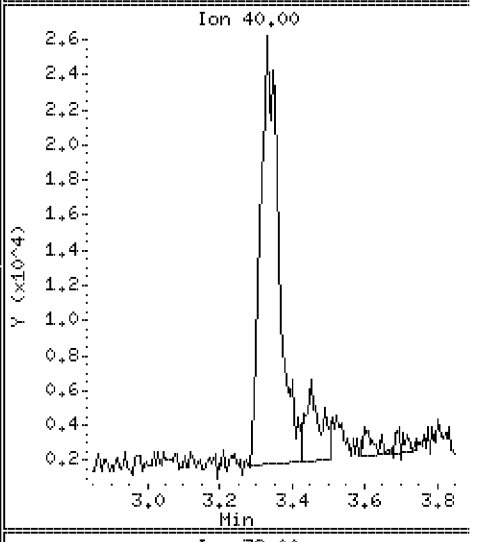


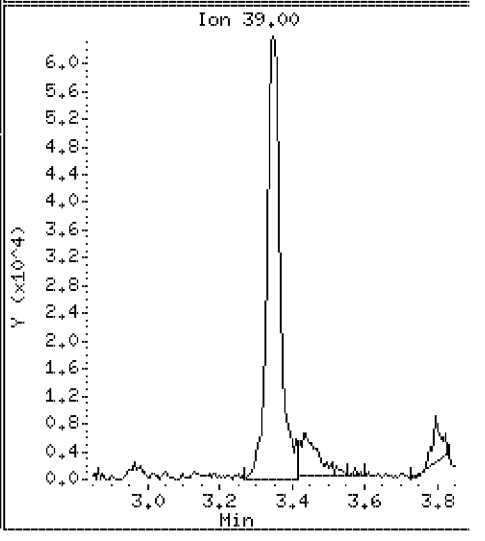












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

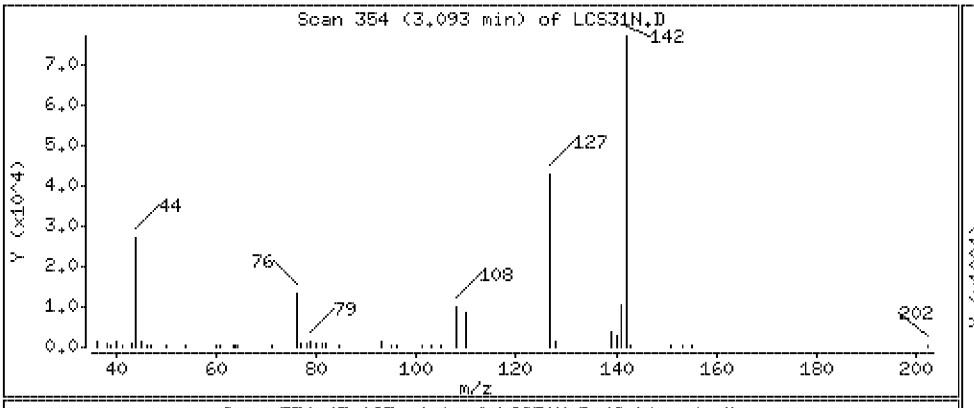
Operator:

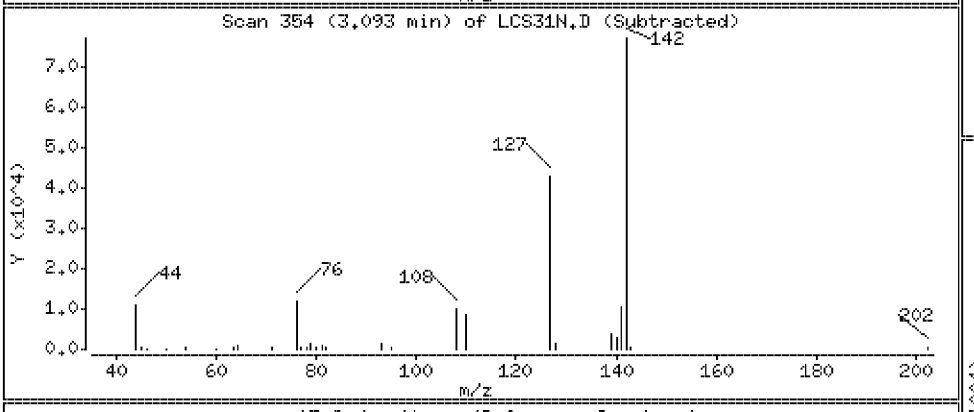
Column phase: RTX-502.2

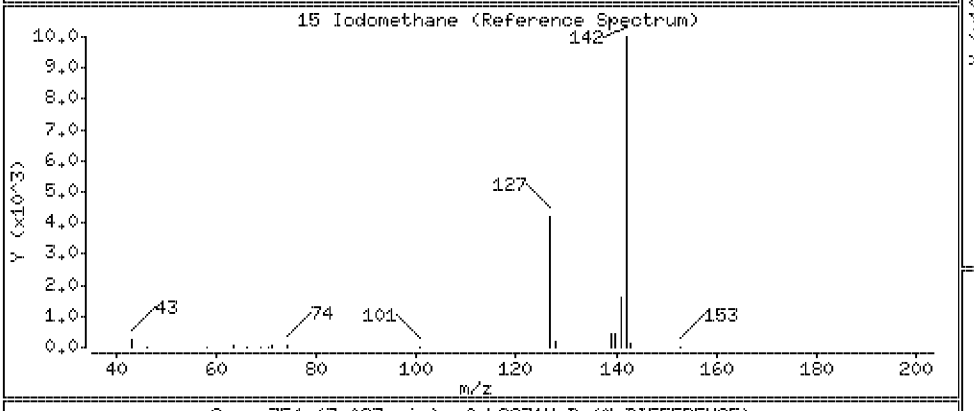
Column diameter: 0.18

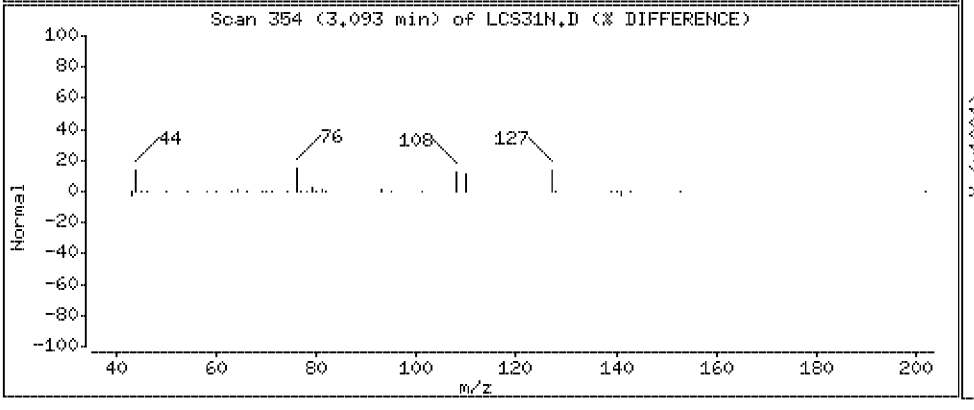
15 Iodomethane

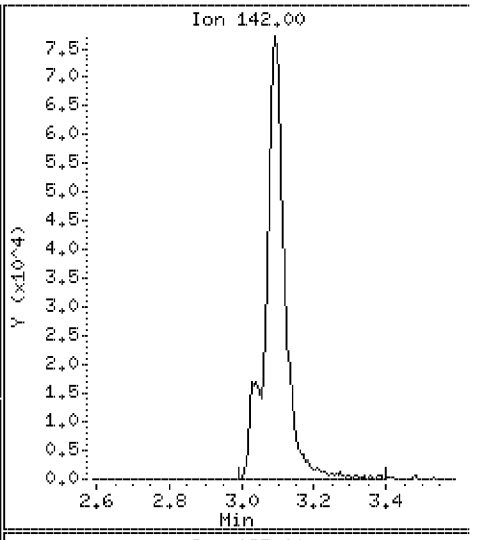
Concentration: 19.2 ug/l

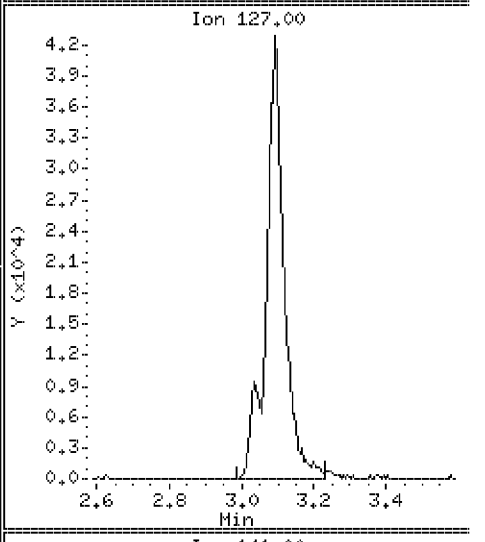


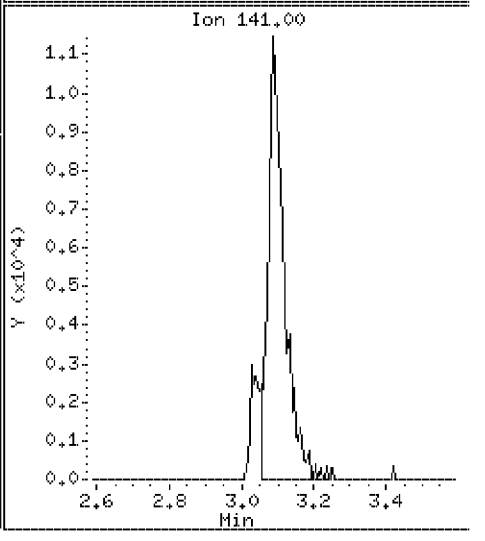












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

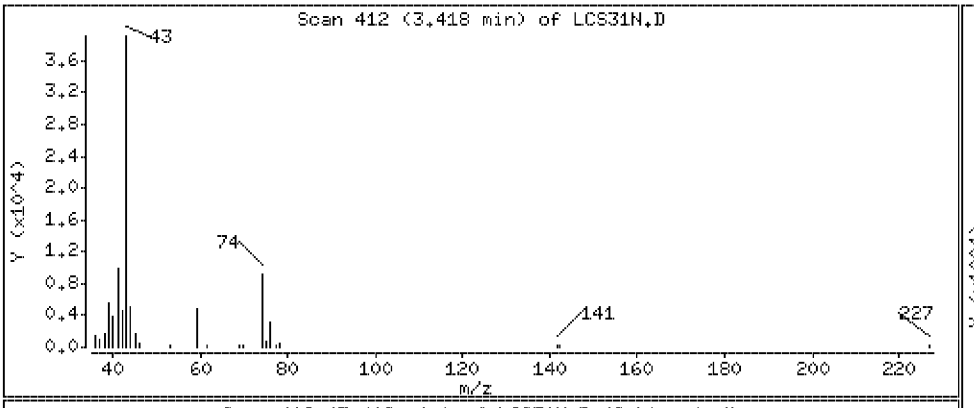
Client ID: 072710LCSA31 Instrument: vms03.i

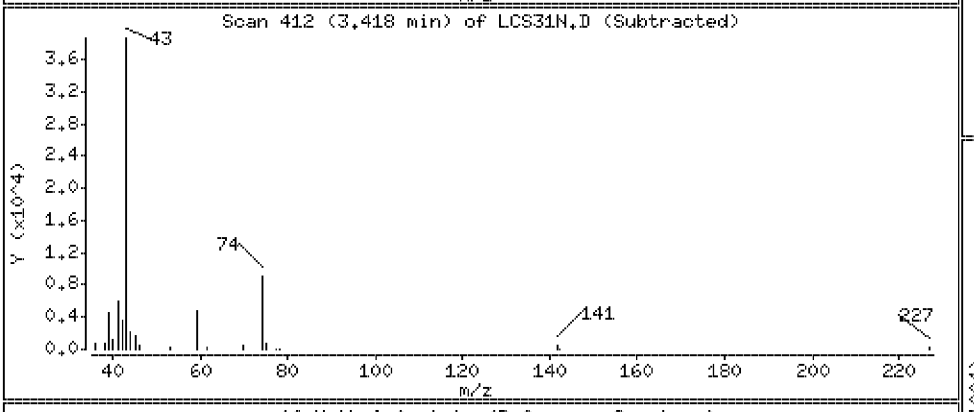
Sample Info: 072710LCSA31

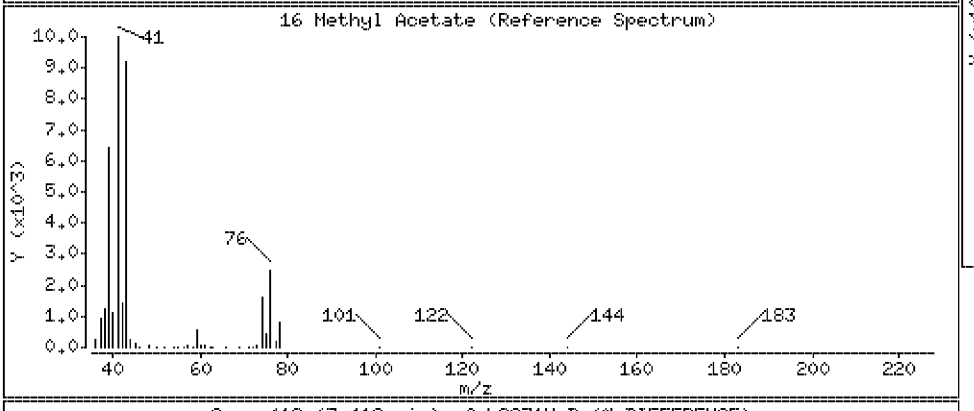
Purge Volume: 5.0 Operator:

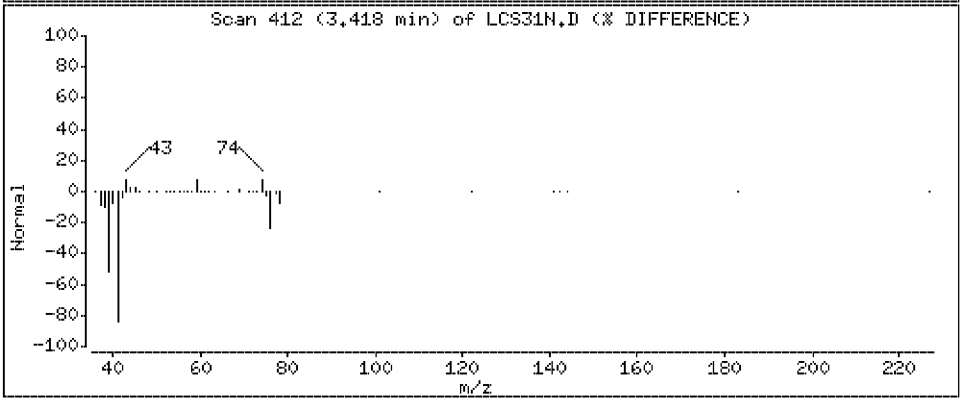
Column phase: RTX-502.2 Column diameter: 0.18

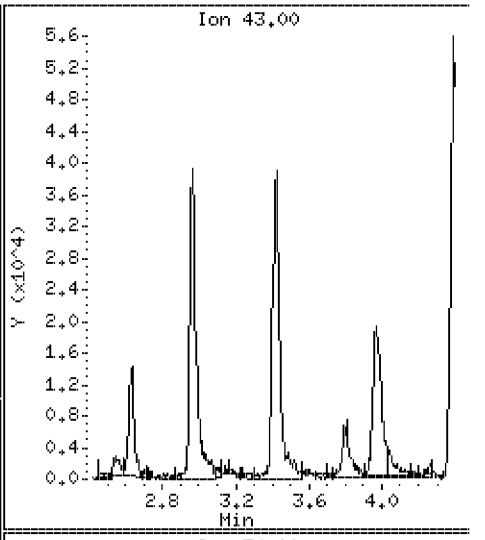
16 Methyl Acetate Concentration: 16.1 ug/l

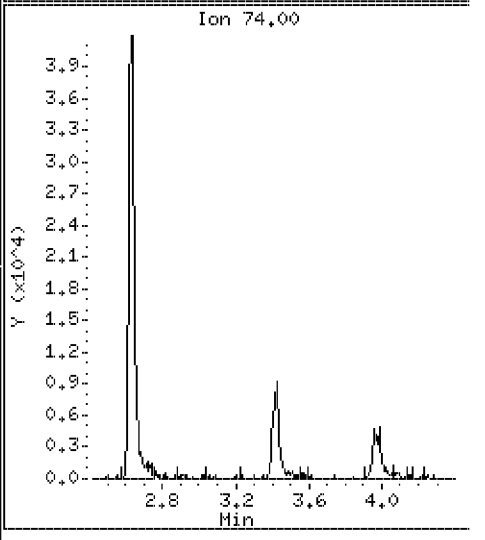












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

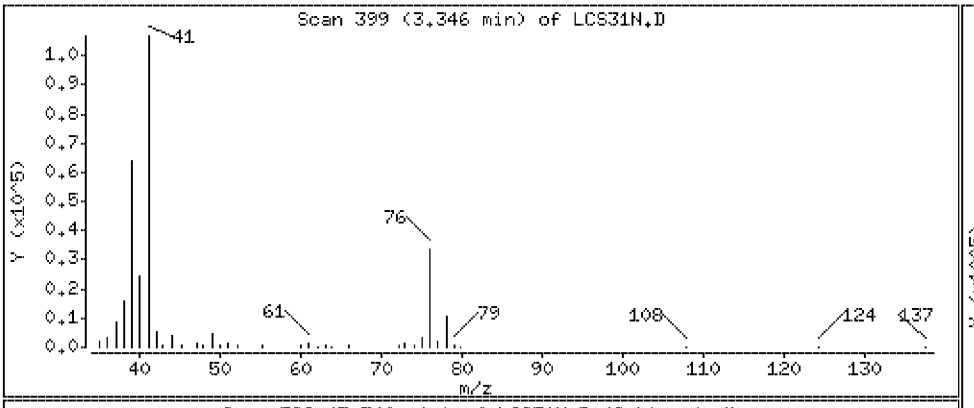
Operator:

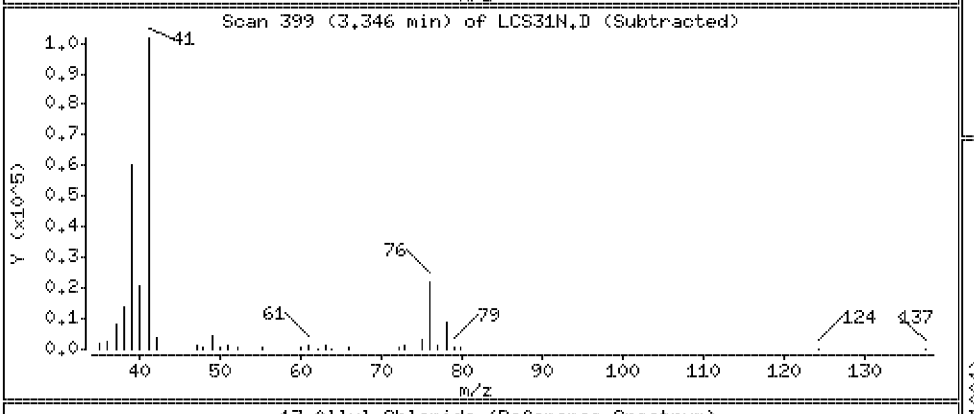
Column phase: RTX-502.2

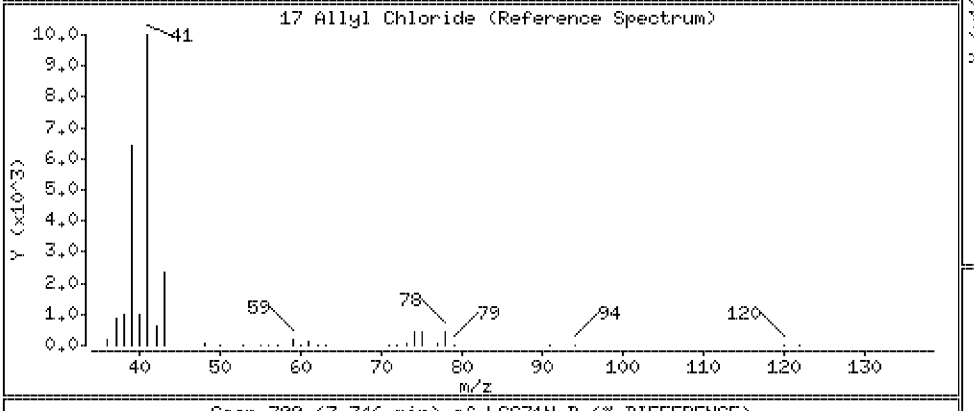
Column diameter: 0.18

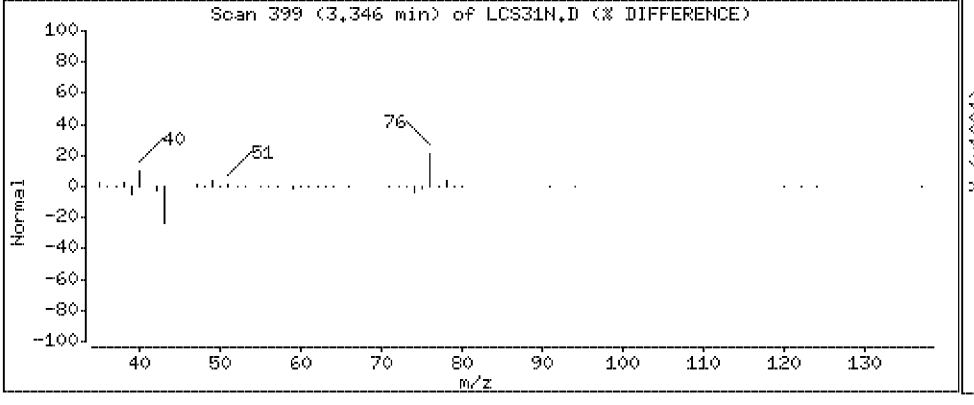
17 Allyl Chloride

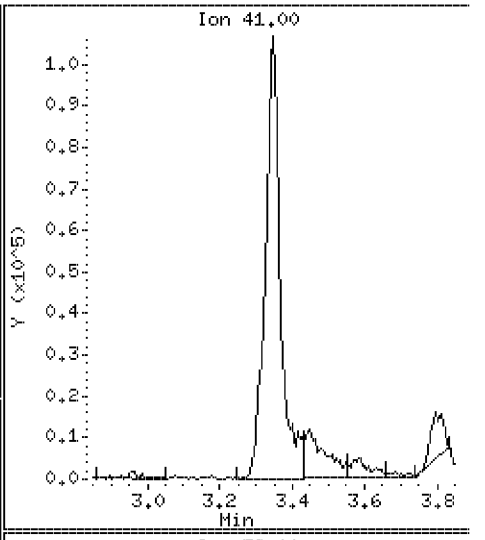
Concentration: 14.8 ug/l

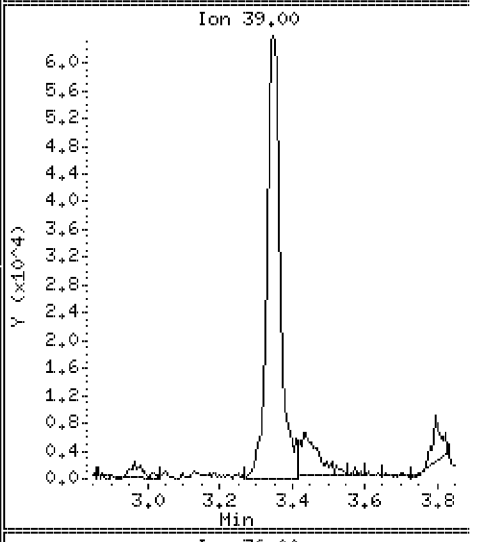


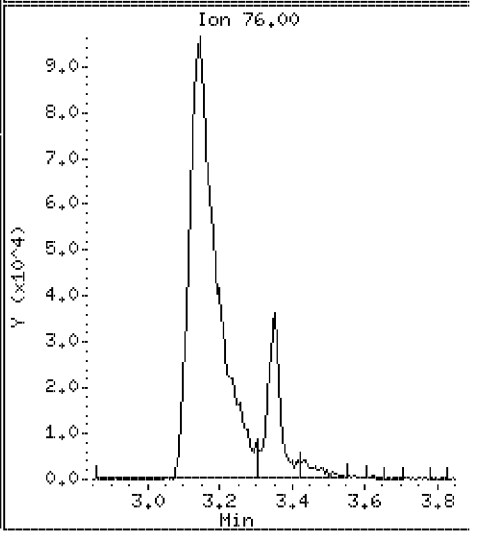












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

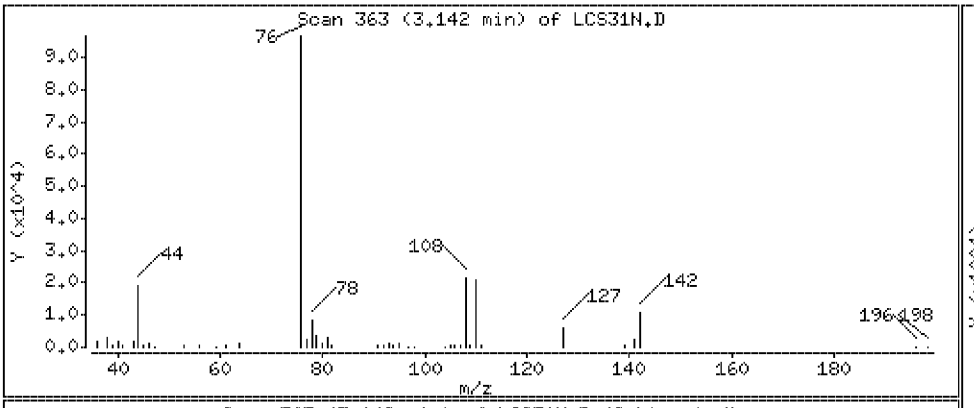
Client ID: 072710LCSA31 Instrument: vms03.i

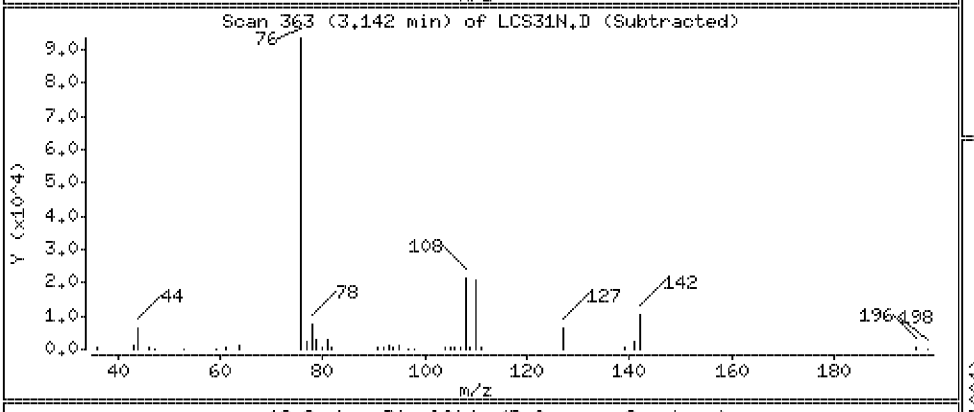
Sample Info: 072710LCSA31

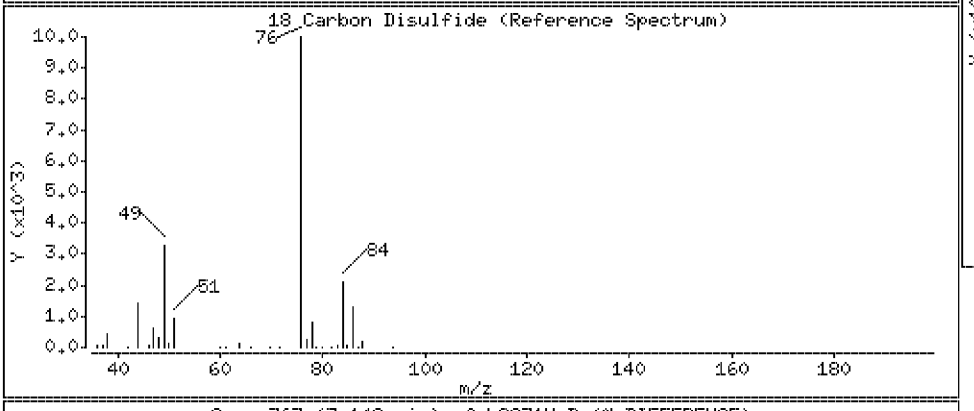
Purge Volume: 5.0 Operator:

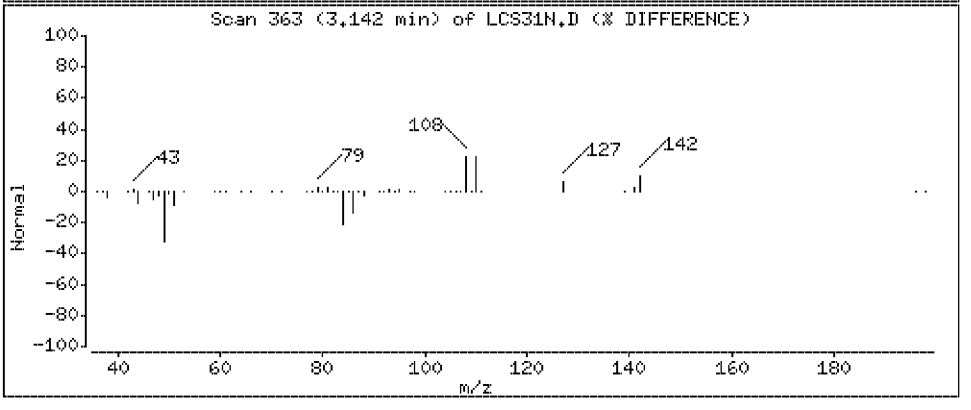
Column phase: RTX-502.2 Column diameter: 0.18

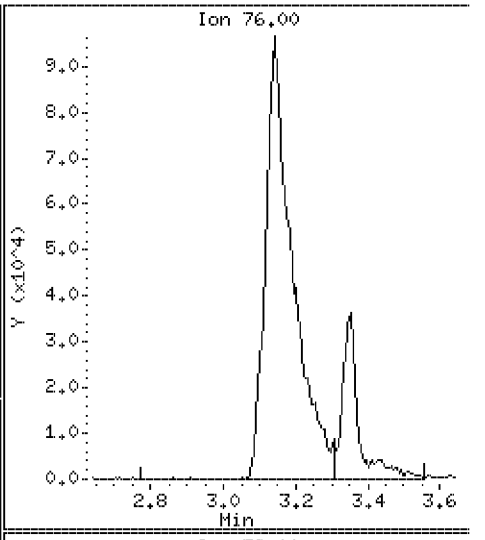
18 Carbon Disulfide Concentration: 18.6 ug/l

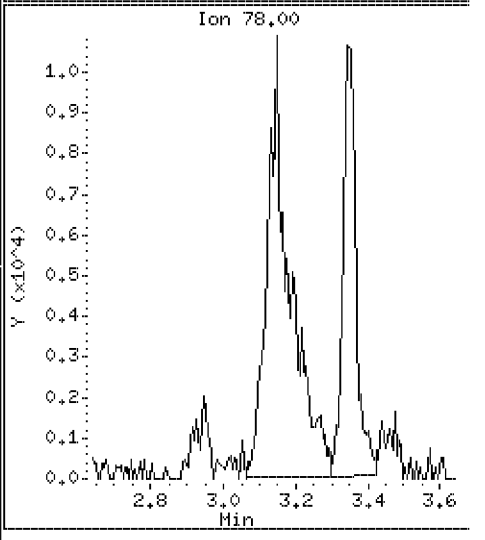












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

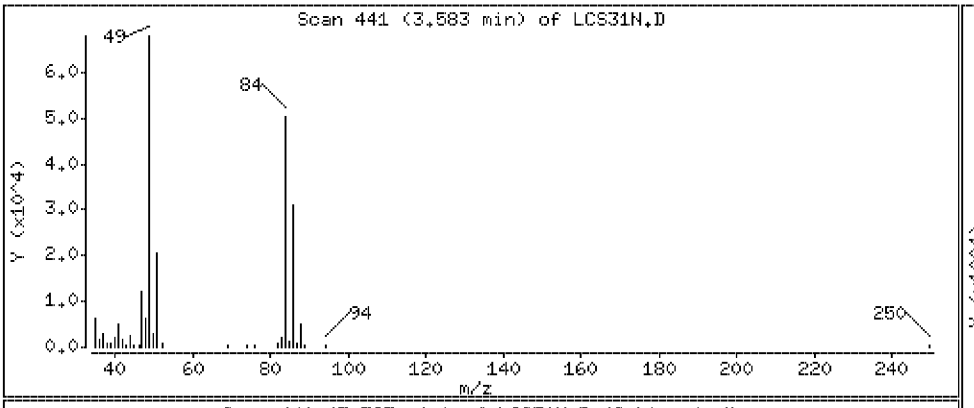
Client ID: 072710LCSA31 Instrument: vms03.i

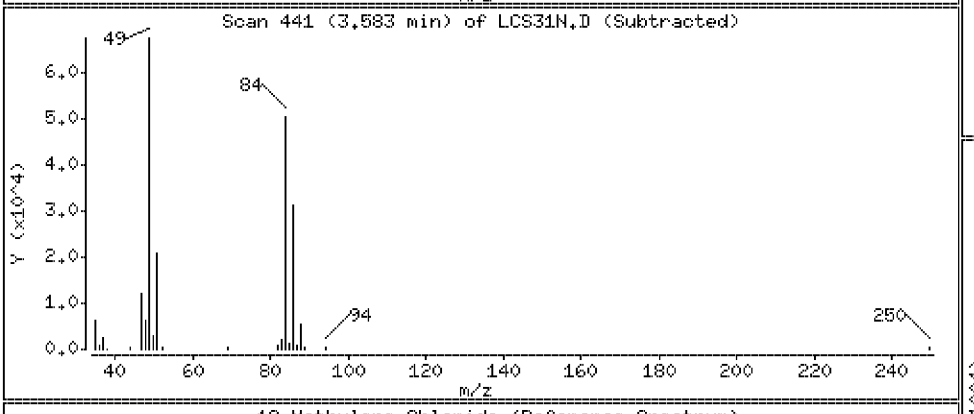
Sample Info: 072710LCSA31

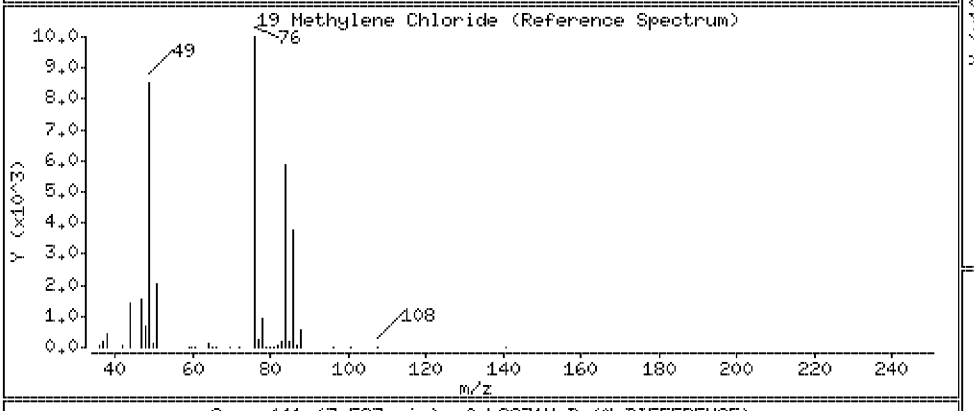
Purge Volume: 5.0 Operator:

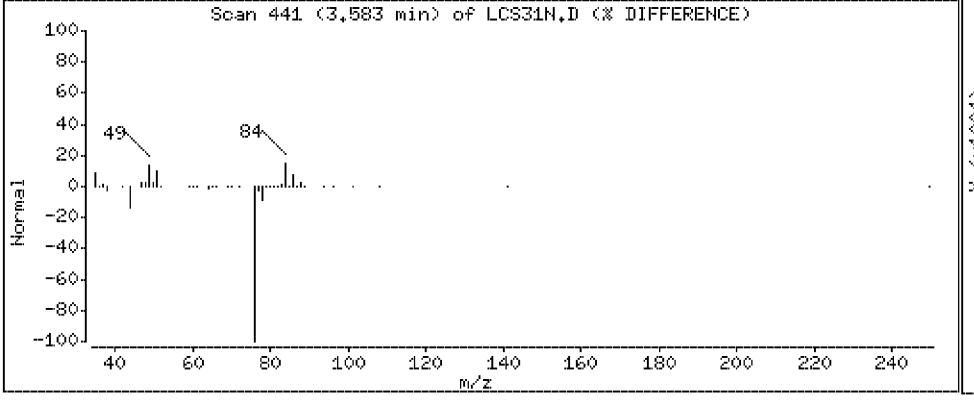
Column phase: RTX-502.2 Column diameter: 0.18

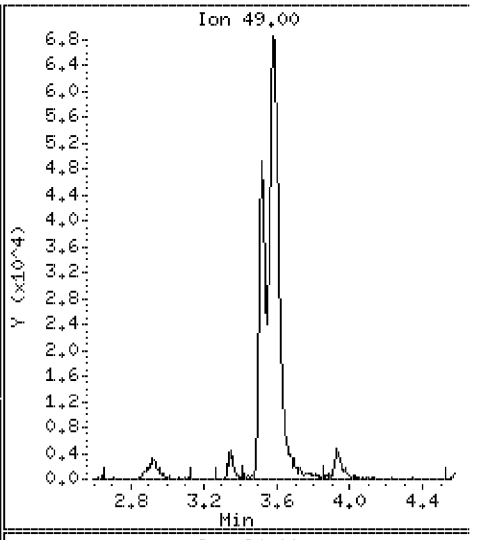
19 Methylene Chloride Concentration: 21.0 ug/l

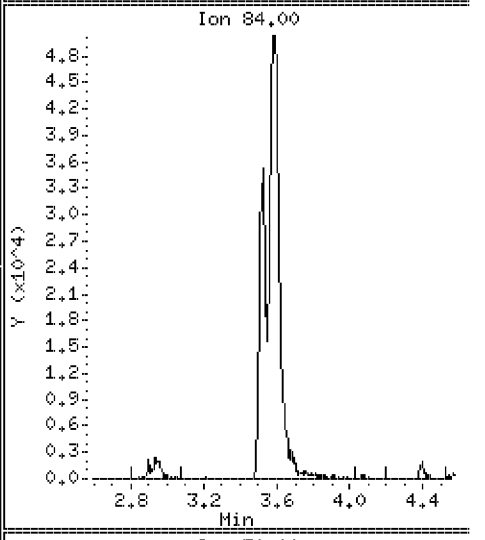


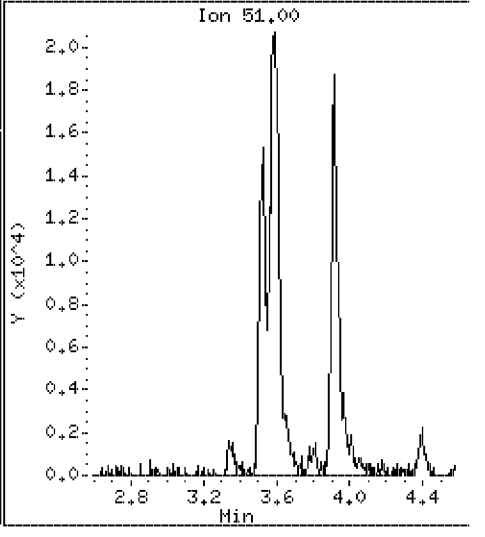












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

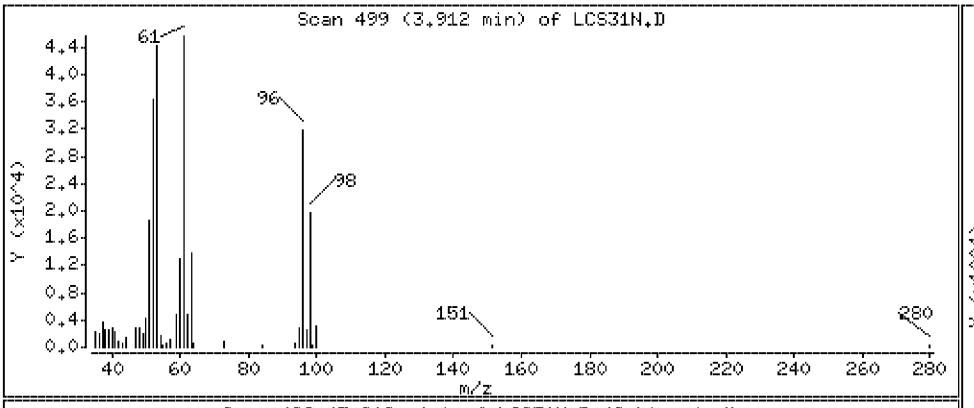
Client ID: 072710LCSA31 Instrument: vms03.i

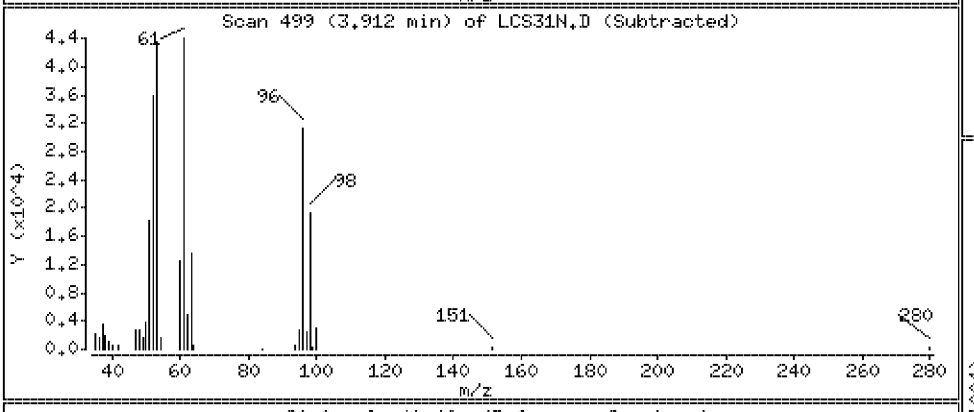
Sample Info: 072710LCSA31

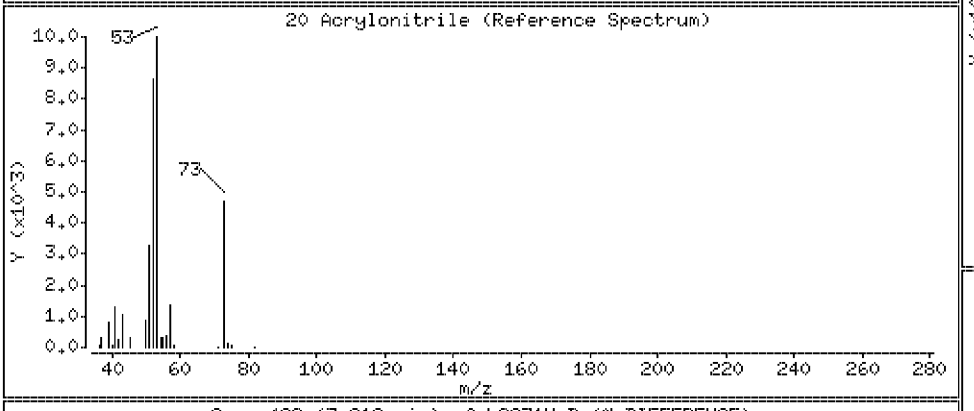
Purge Volume: 5.0 Operator:

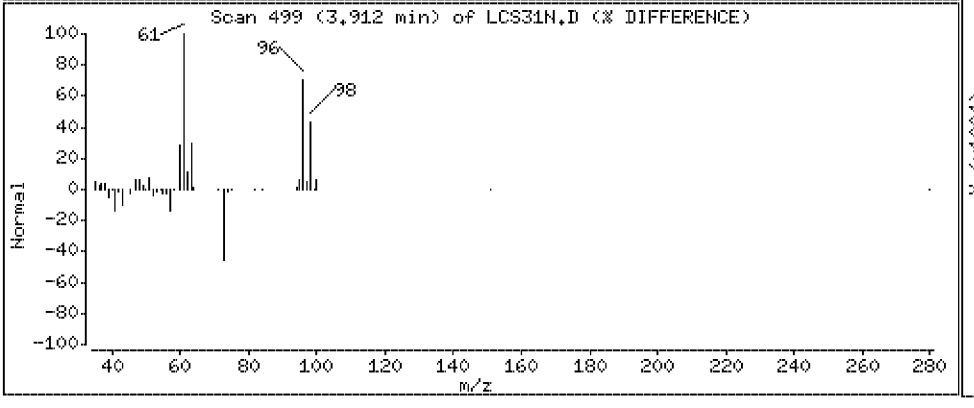
Column phase: RTX-502.2 Column diameter: 0.18

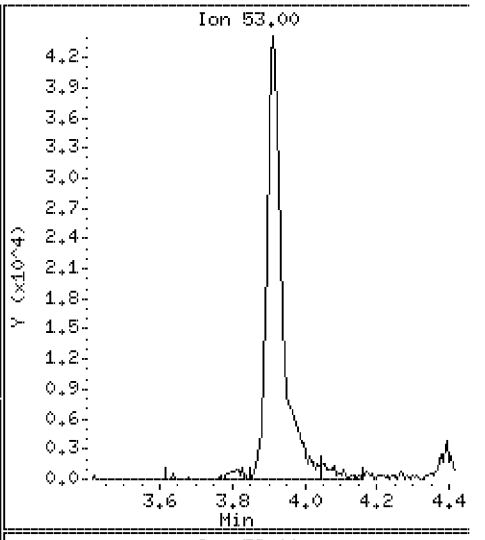
20 Acrylonitrile Concentration: 39.6 ug/l

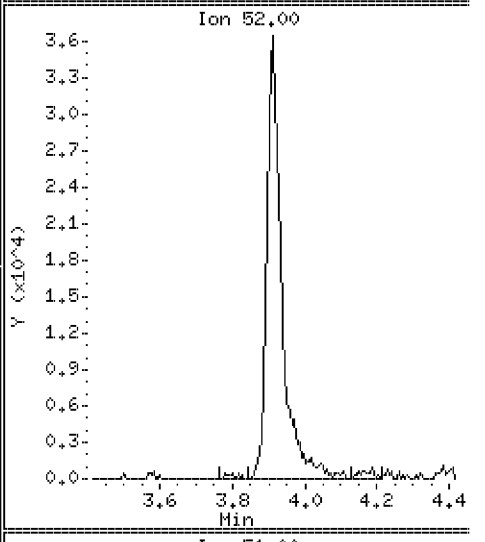


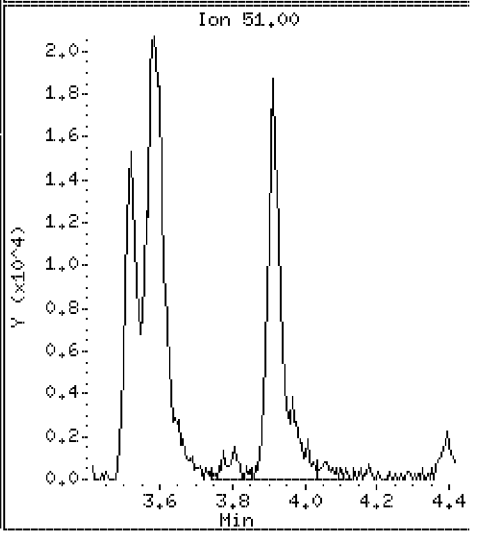












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

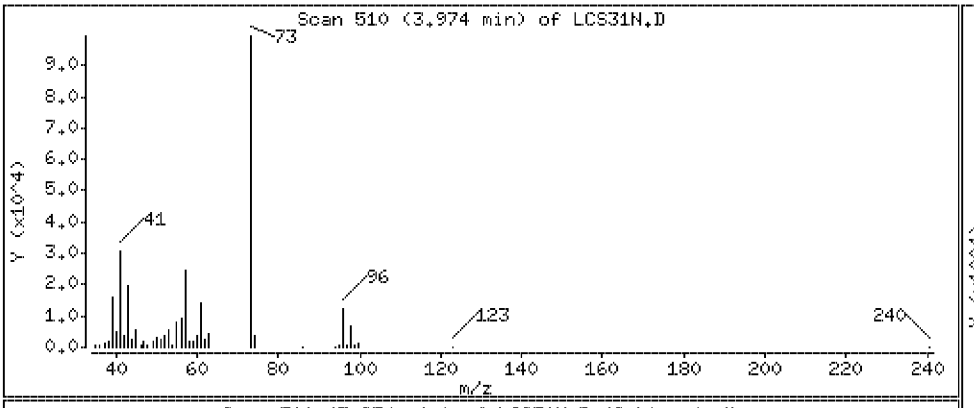
Client ID: 072710LCSA31 Instrument: vms03.i

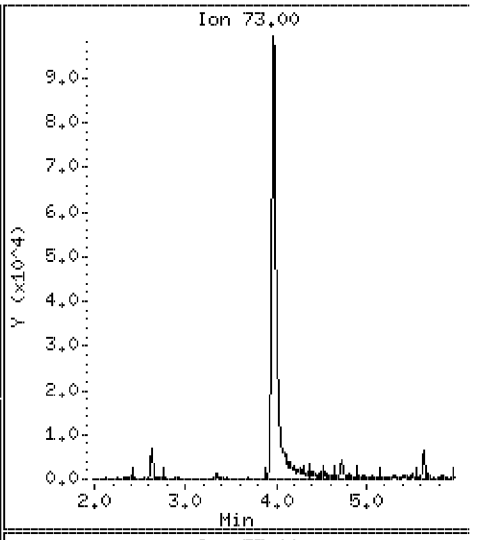
Sample Info: 072710LCSA31

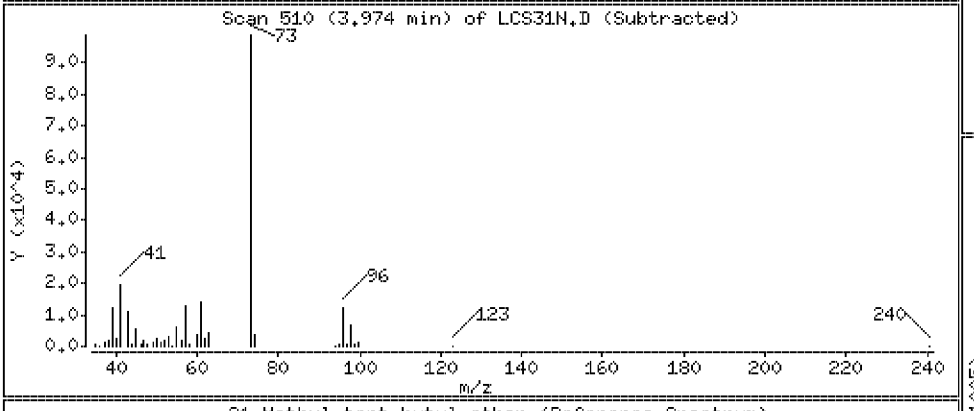
Purge Volume: 5.0 Operator:

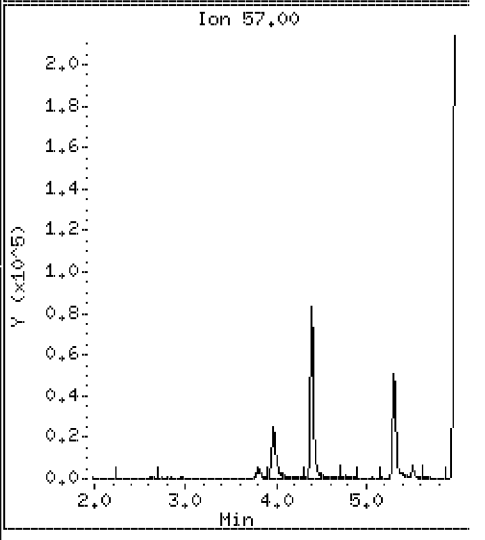
Column phase: RTX-502.2 Column diameter: 0.18

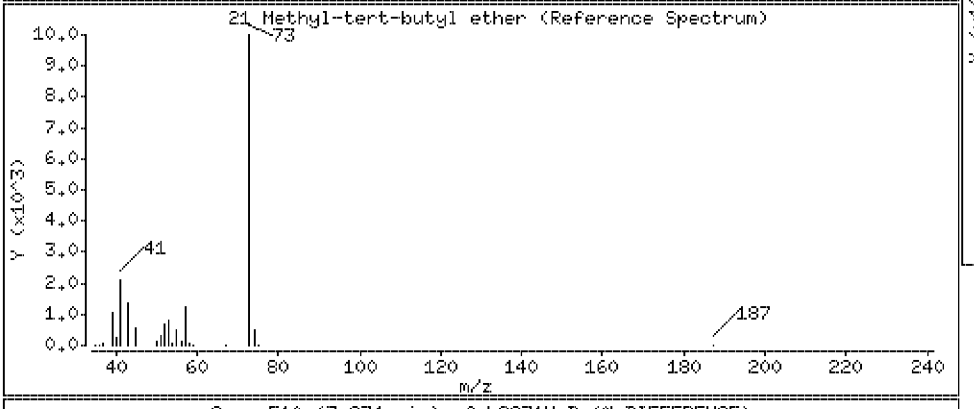
21 Methyl-tert-butyl ether Concentration: 19.0 ug/l

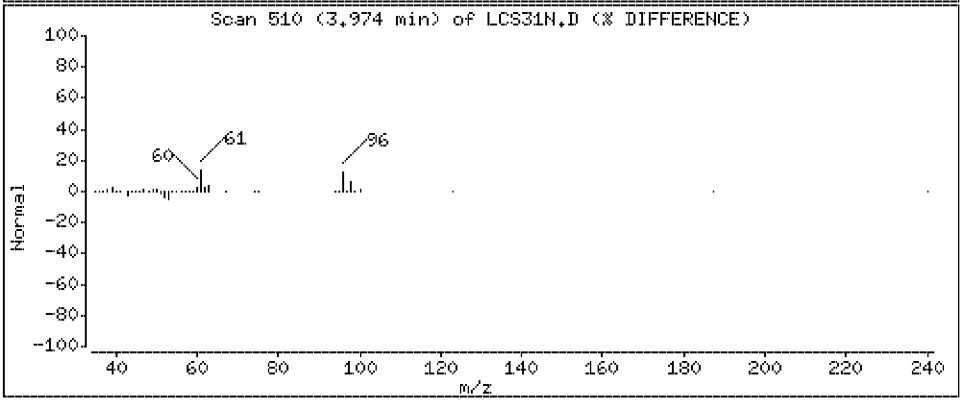












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Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

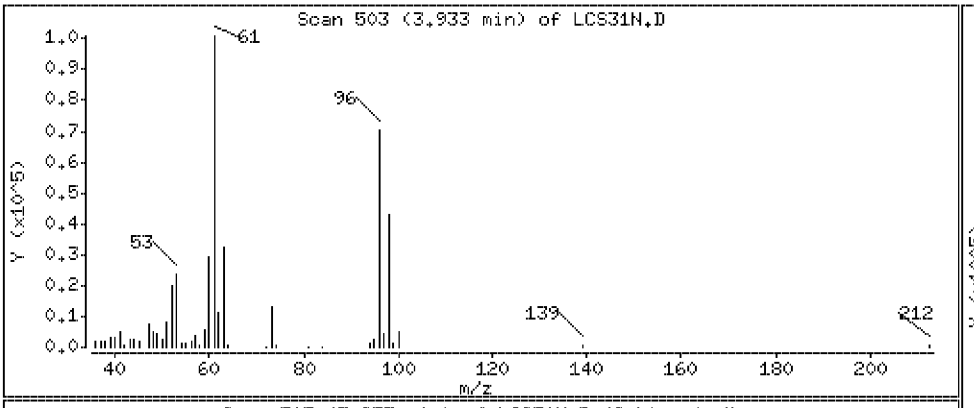
Operator:

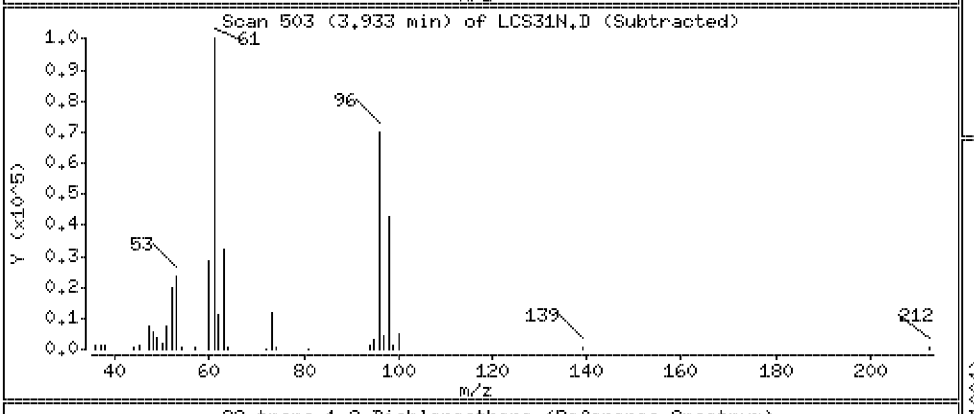
Column phase: RTX-502.2

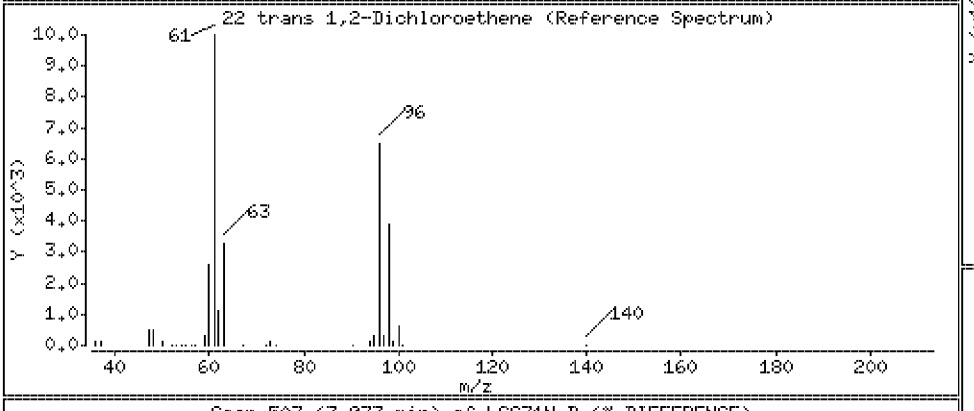
Column diameter: 0.18

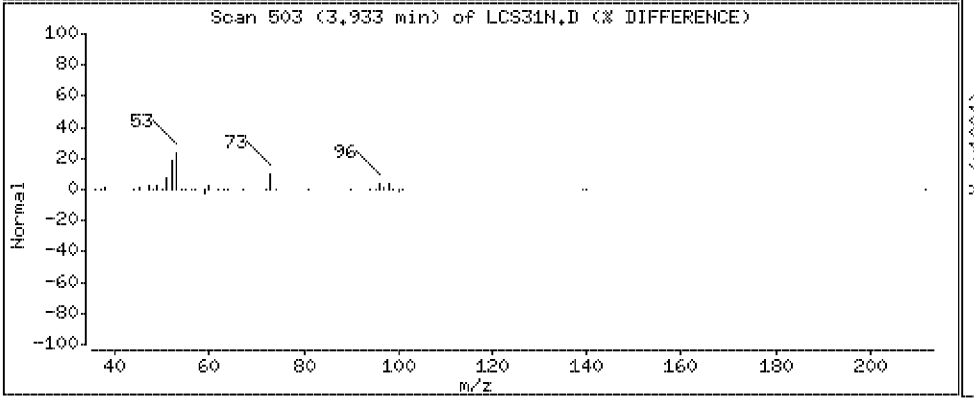
22 trans 1,2-Dichloroethene

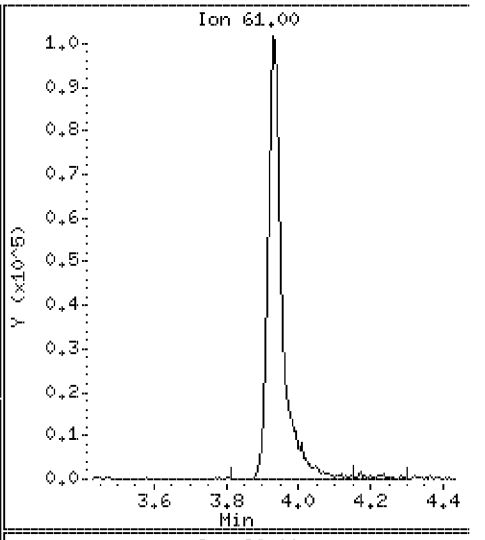
Concentration: 20.8 ug/l

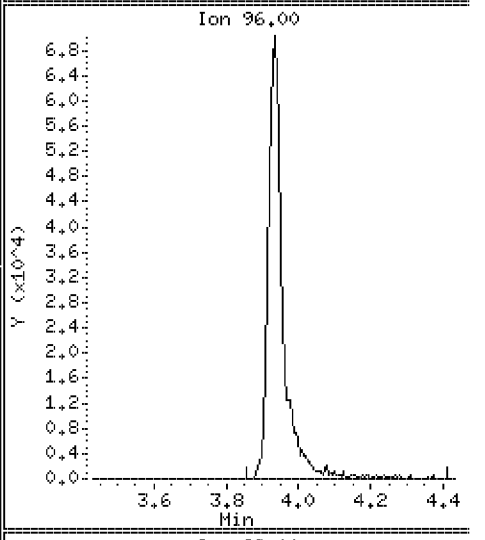


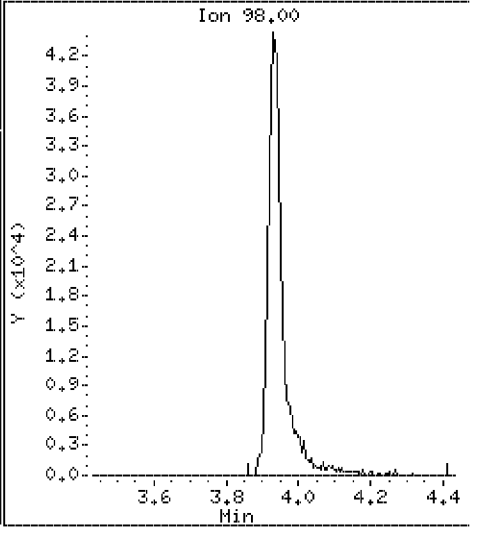












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

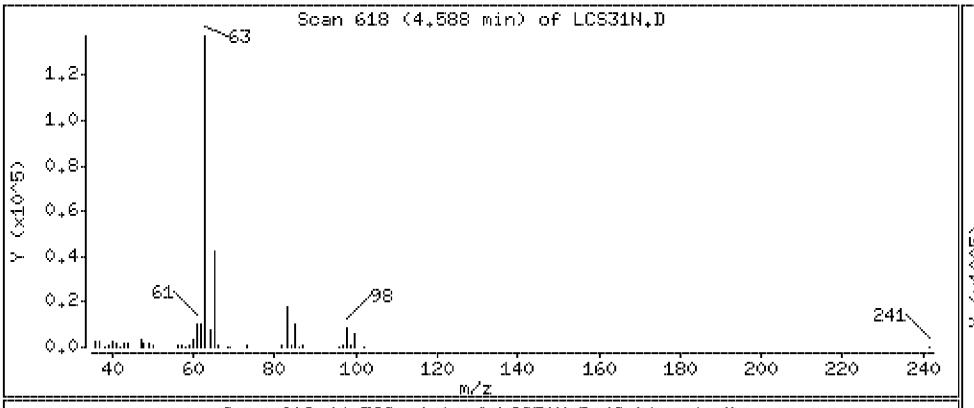
Client ID: 072710LCSA31 Instrument: vms03.i

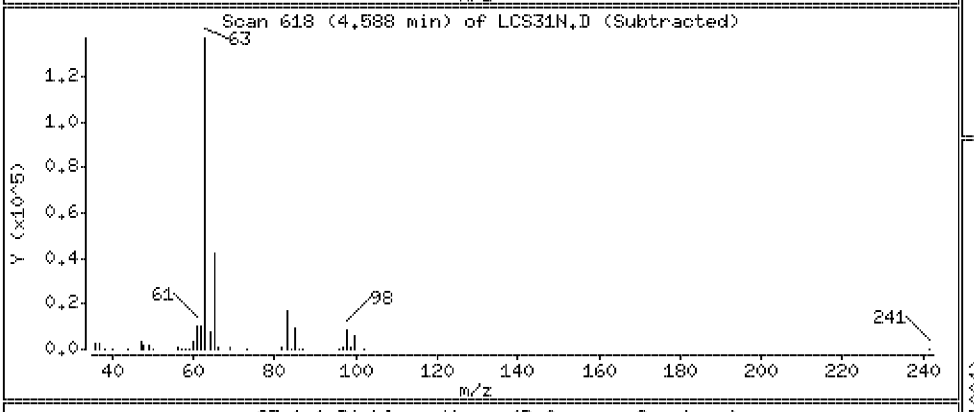
Sample Info: 072710LCSA31

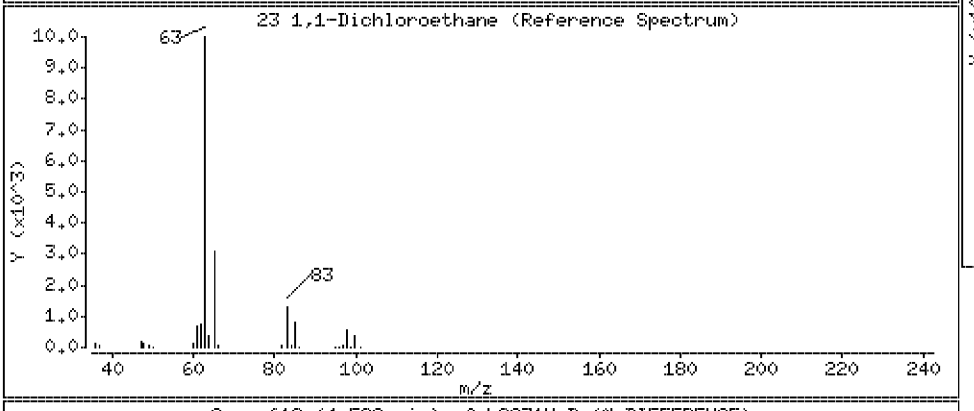
Purge Volume: 5.0 Operator:

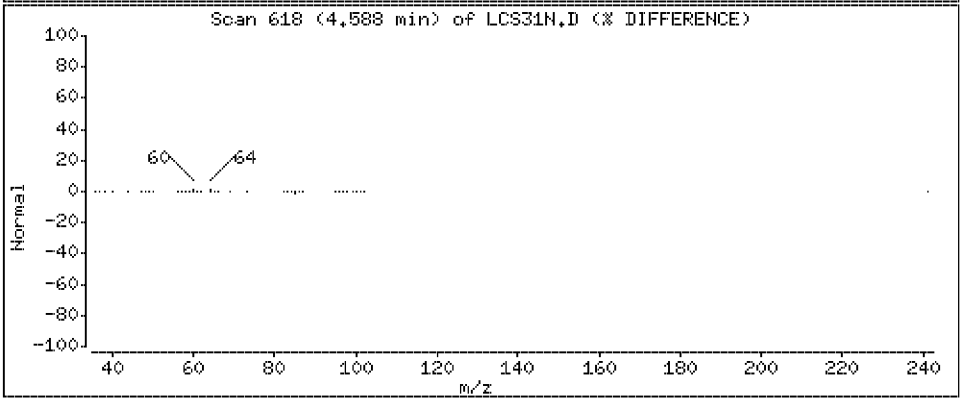
Column phase: RTX-502.2 Column diameter: 0.18

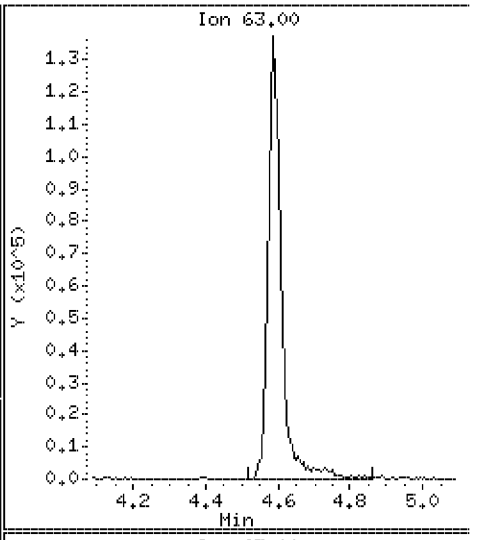
23 1,1-Dichloroethane Concentration: 21.2 ug/l

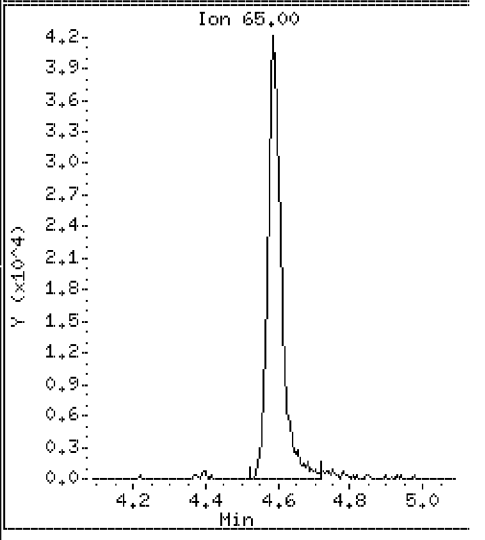












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Date : 27-JUL-2010 07:30

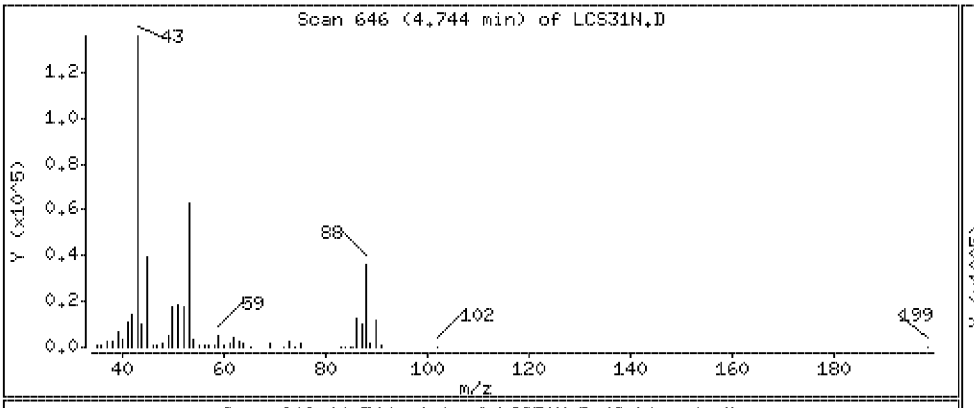
Client ID: 072710LCSA31 Instrument: vms03.i

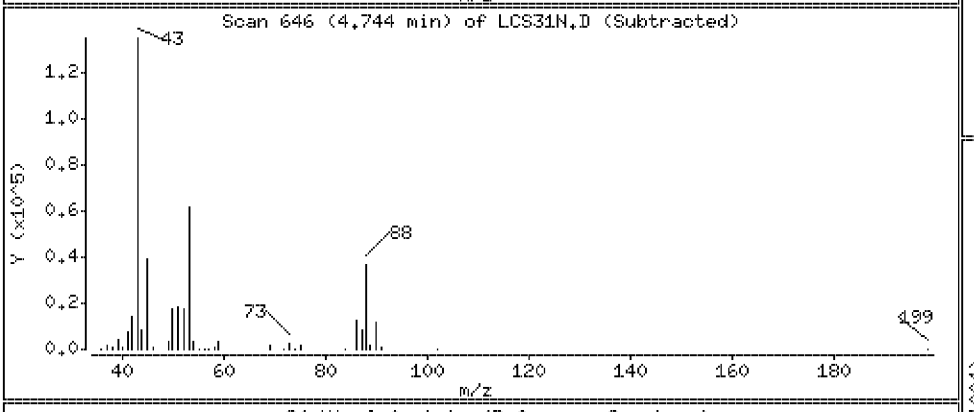
Sample Info: 072710LCSA31

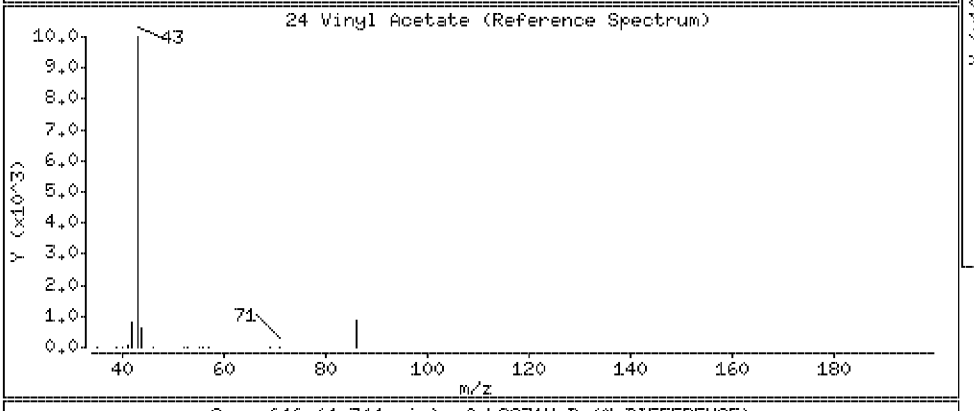
Purge Volume: 5.0 Operator:

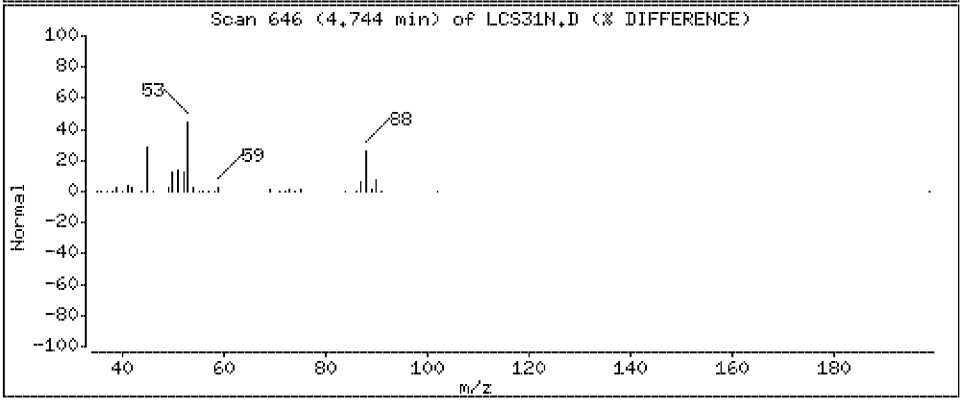
Column phase: RTX-502.2 Column diameter: 0.18

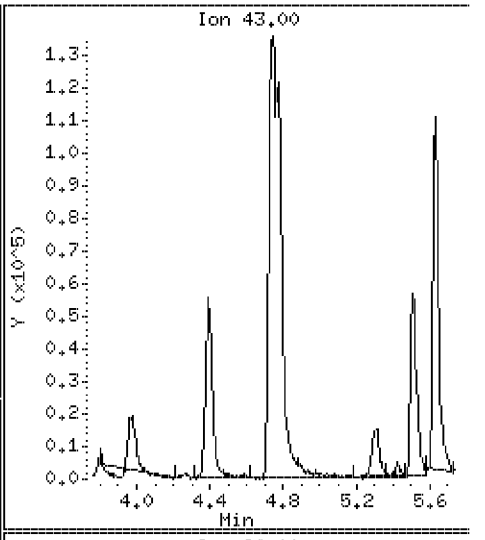
24 Vinyl Acetate Concentration: 19.6 ug/l

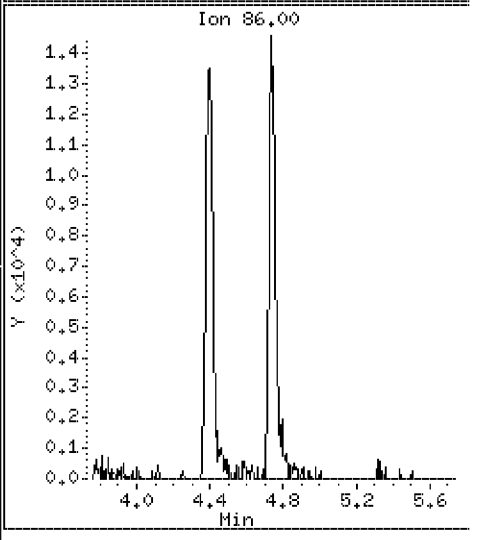












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Date : 27-JUL-2010 07:30

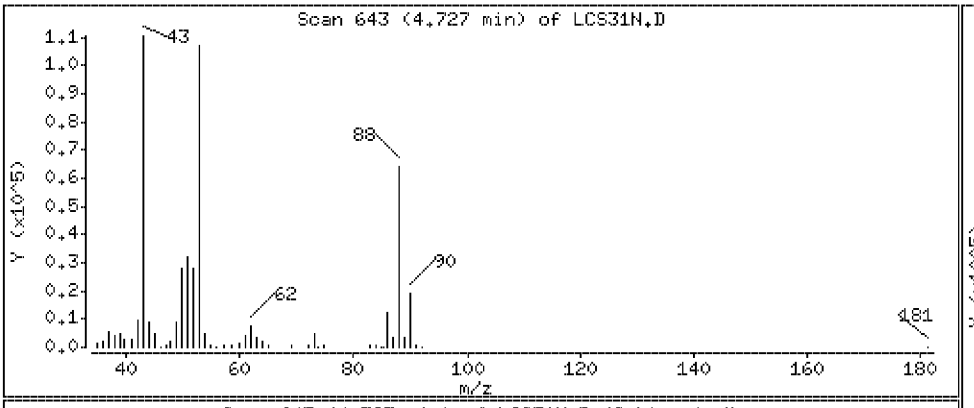
Client ID: 072710LCSA31 Instrument: vms03.i

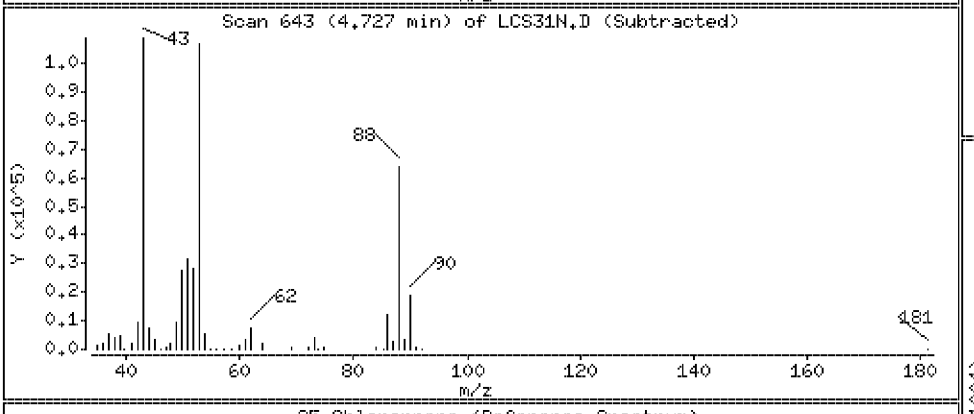
Sample Info: 072710LCSA31

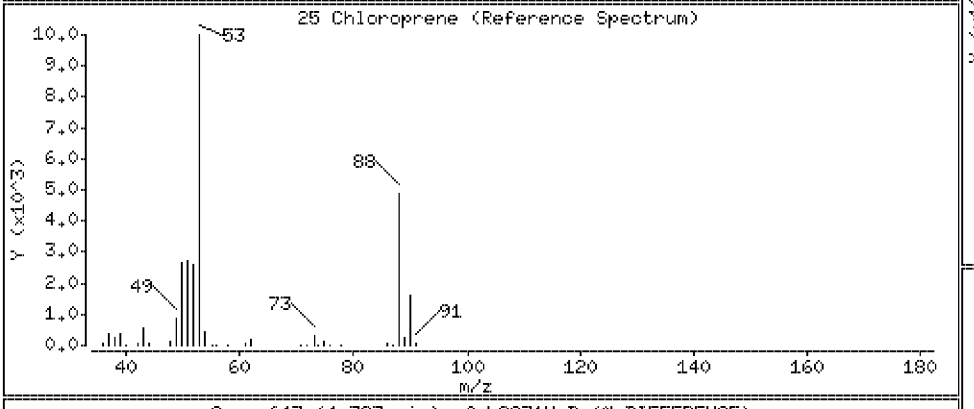
Purge Volume: 5.0 Operator:

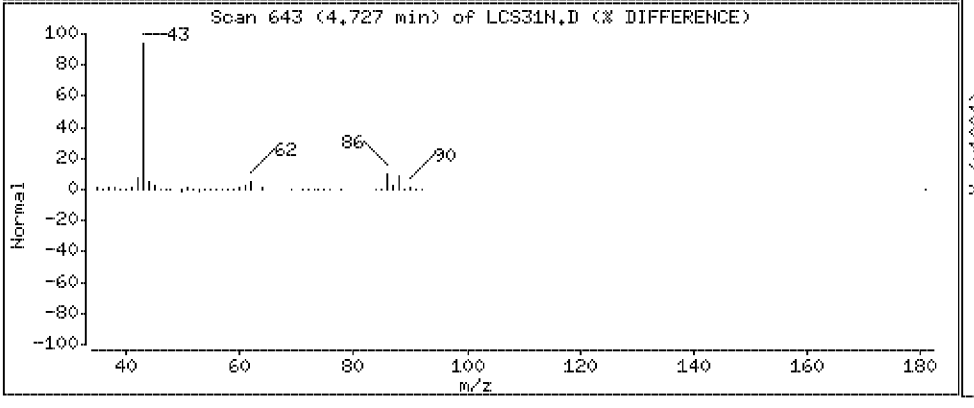
Column phase: RTX-502.2 Column diameter: 0.18

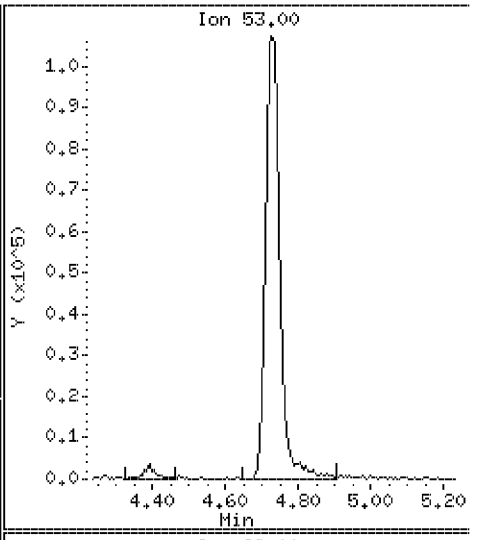
25 Chloroprene Concentration: 20.6 ug/l

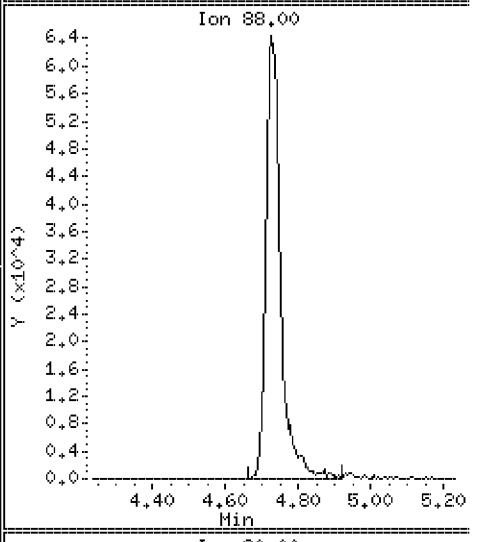


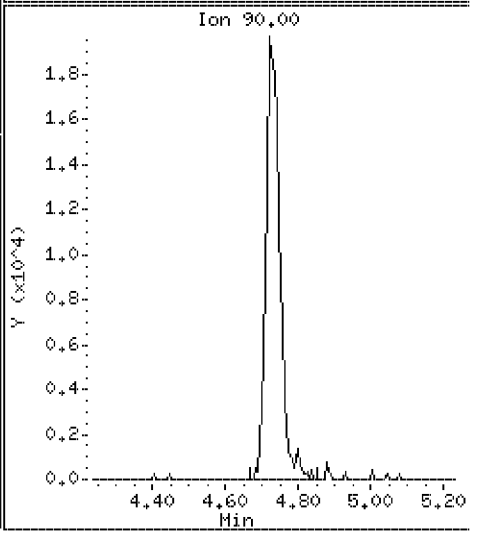












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

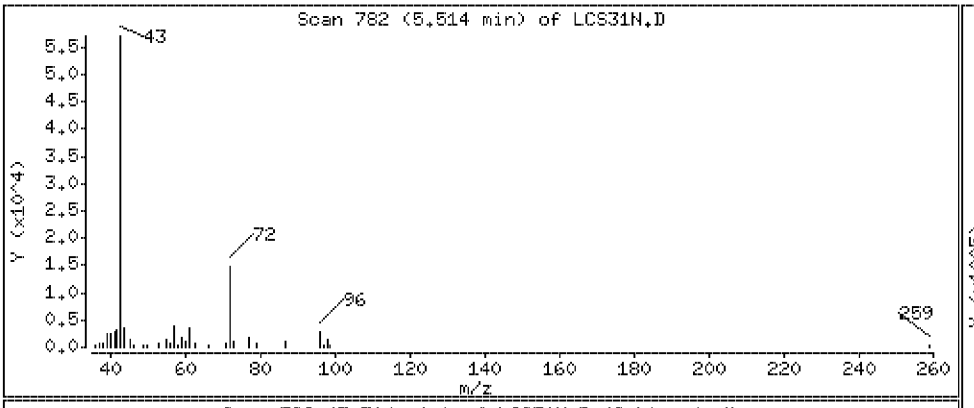
Client ID: 072710LCSA31 Instrument: vms03.i

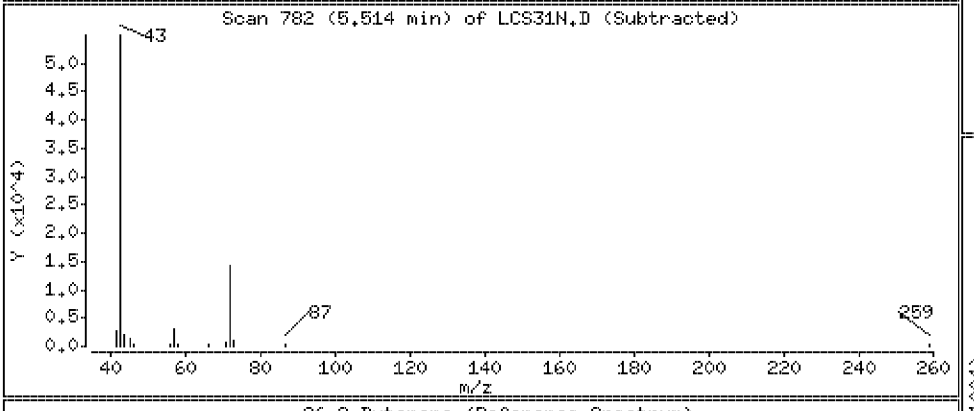
Sample Info: 072710LCSA31

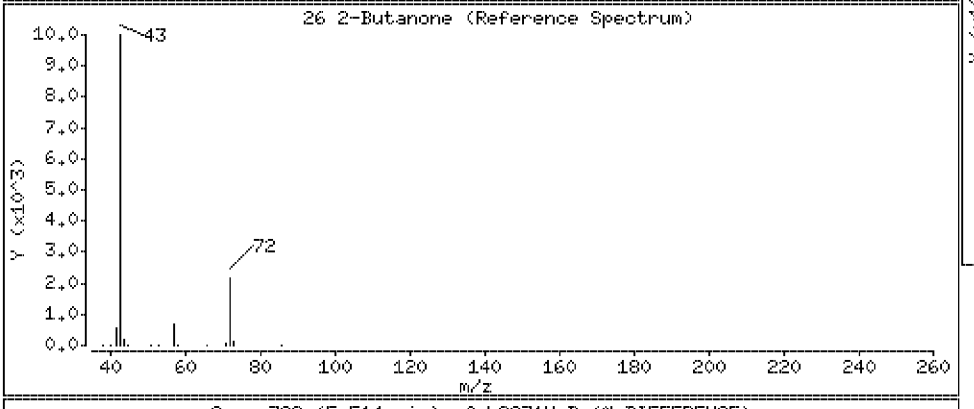
Purge Volume: 5.0 Operator:

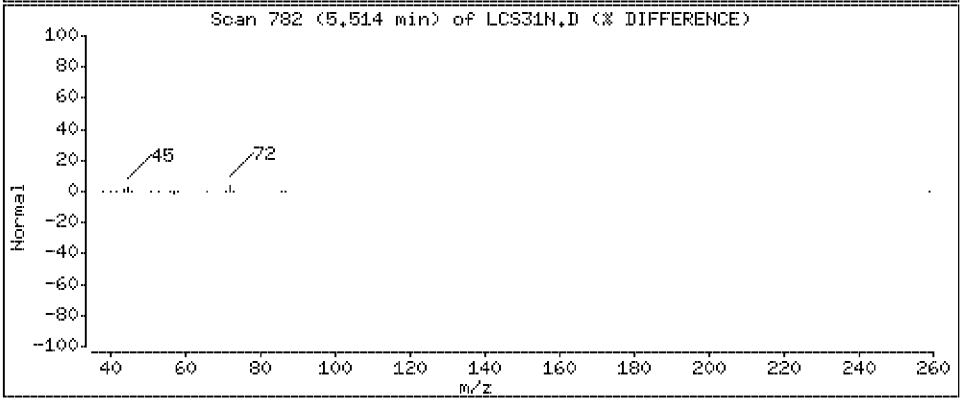
Column phase: RTX-502.2 Column diameter: 0.18

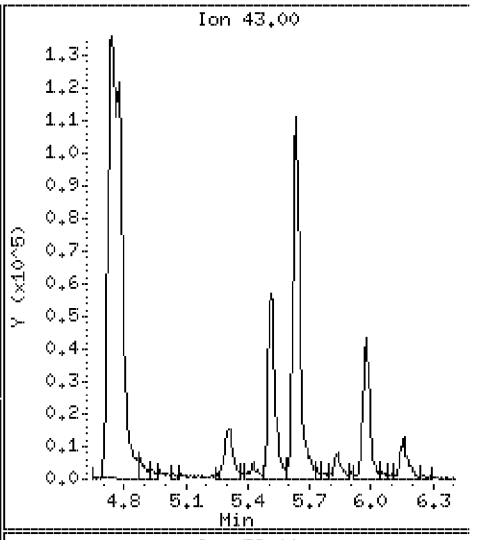
26 2-Butanone Concentration: 42.3 ug/l

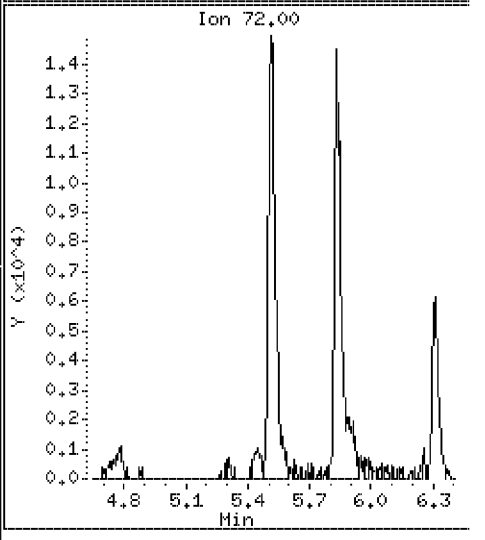












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

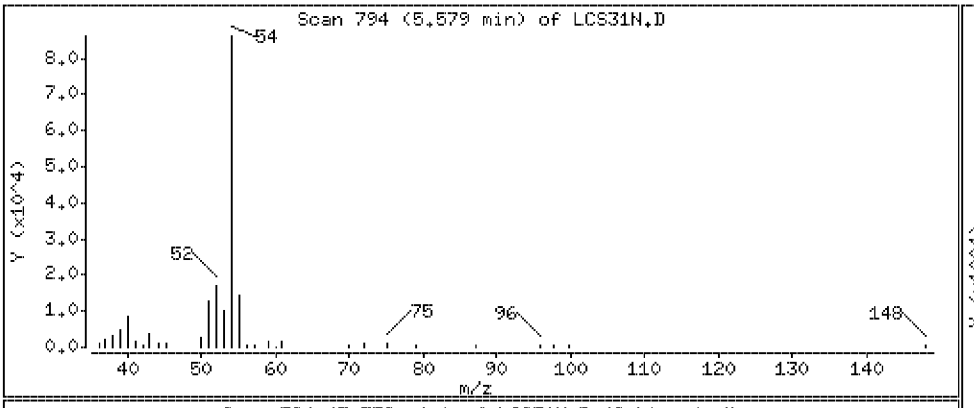
Operator:

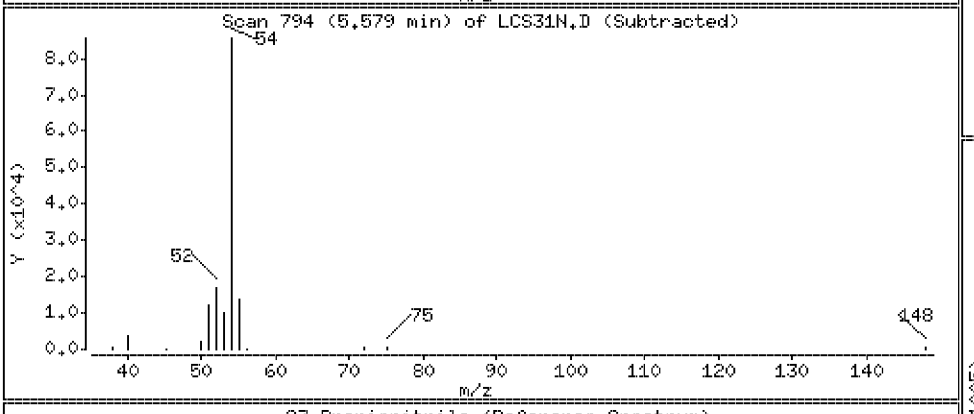
Column phase: RTX-502.2

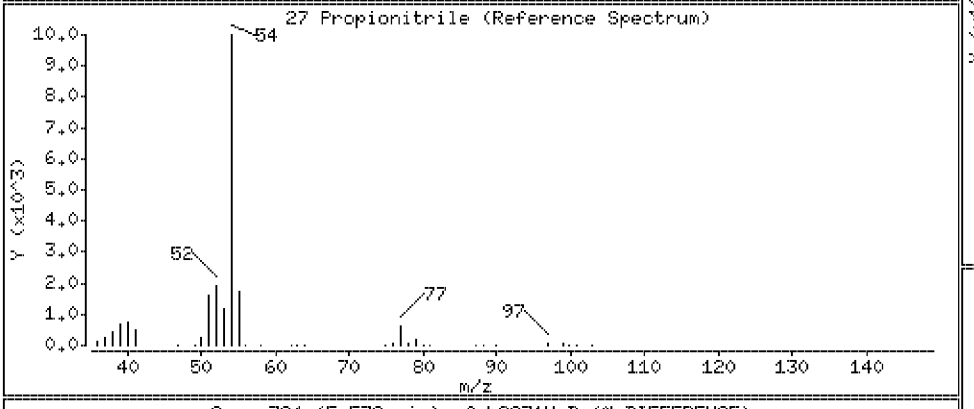
Column diameter: 0.18

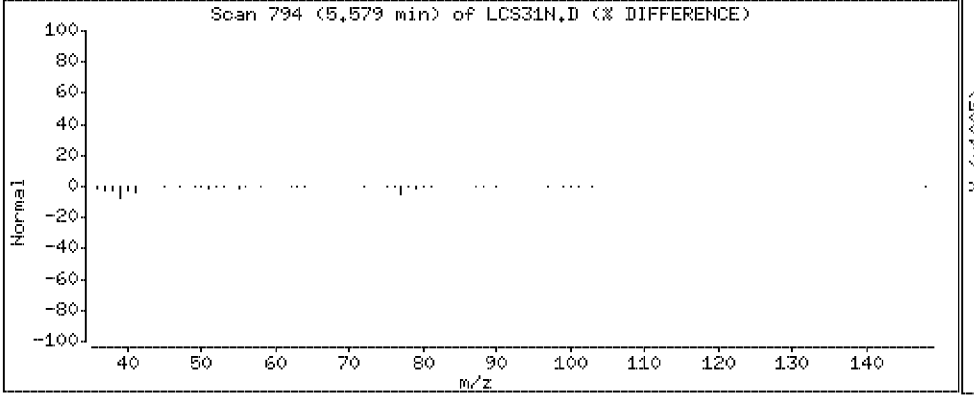
27 Propionitrile

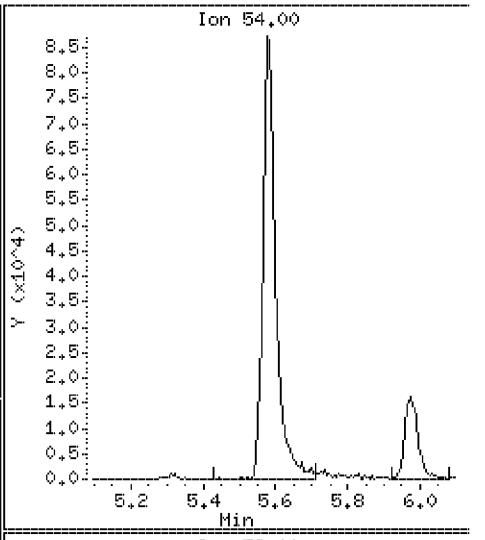
Concentration: 188 ug/l

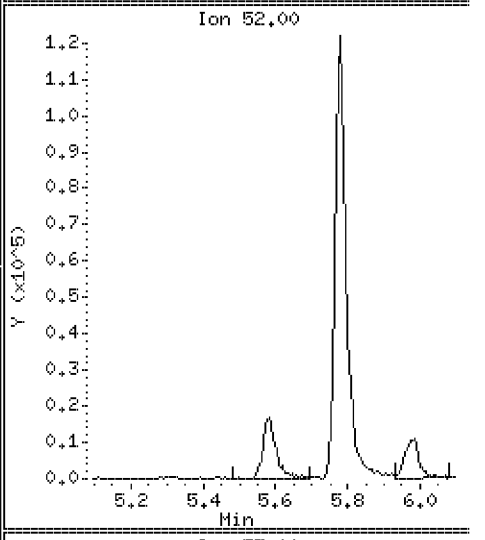


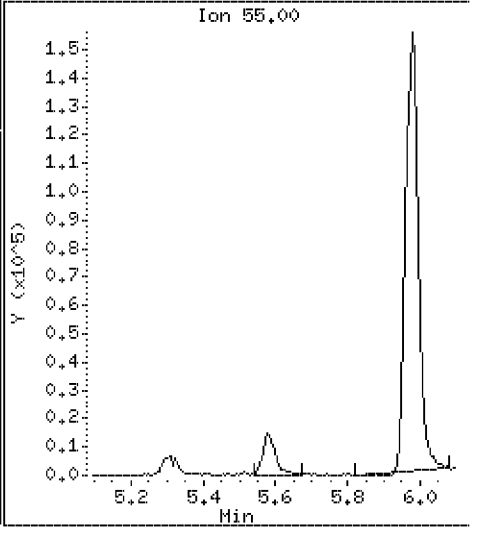












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

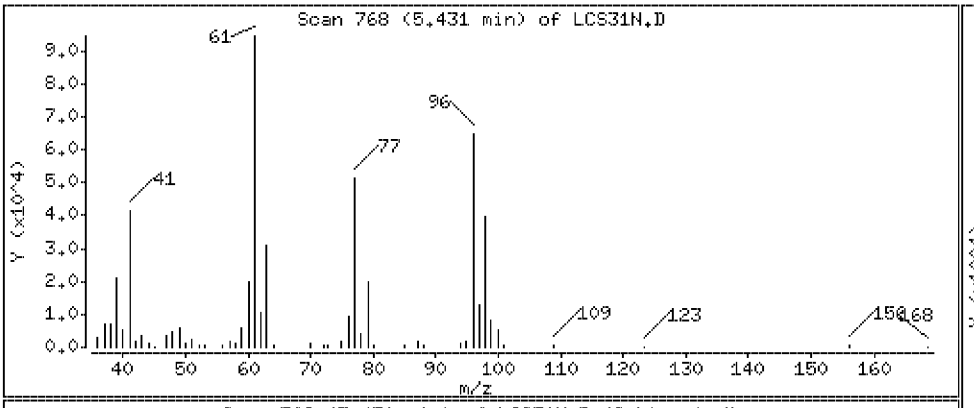
Client ID: 072710LCSA31 Instrument: vms03.i

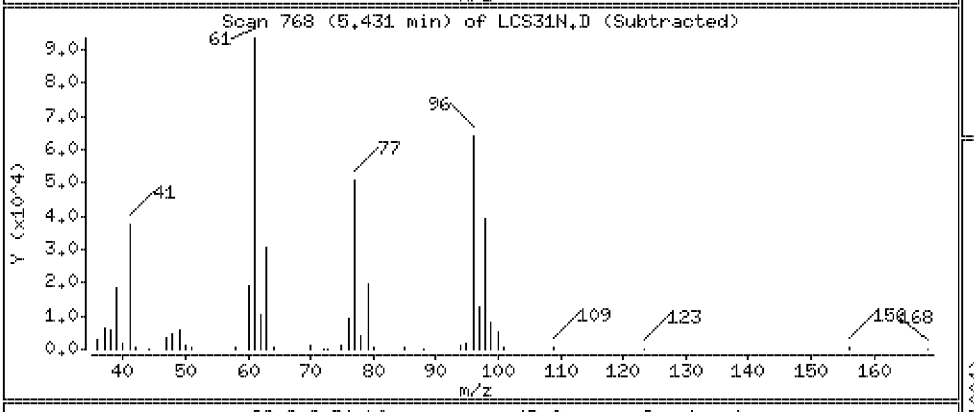
Sample Info: 072710LCSA31

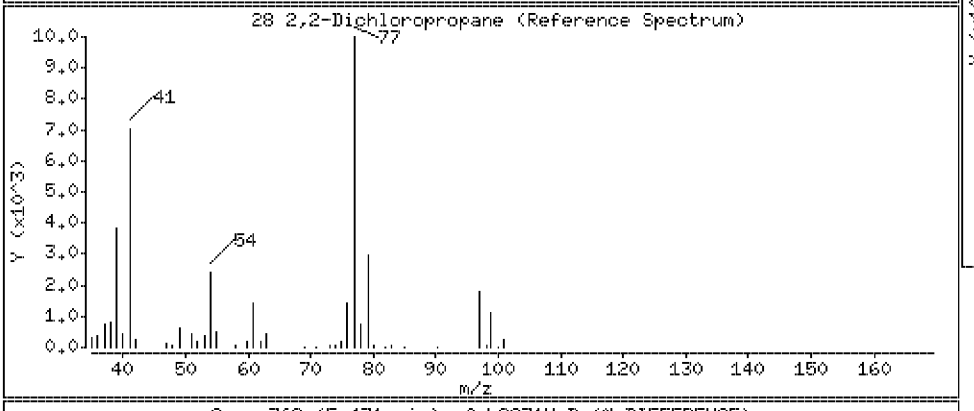
Purge Volume: 5.0 Operator:

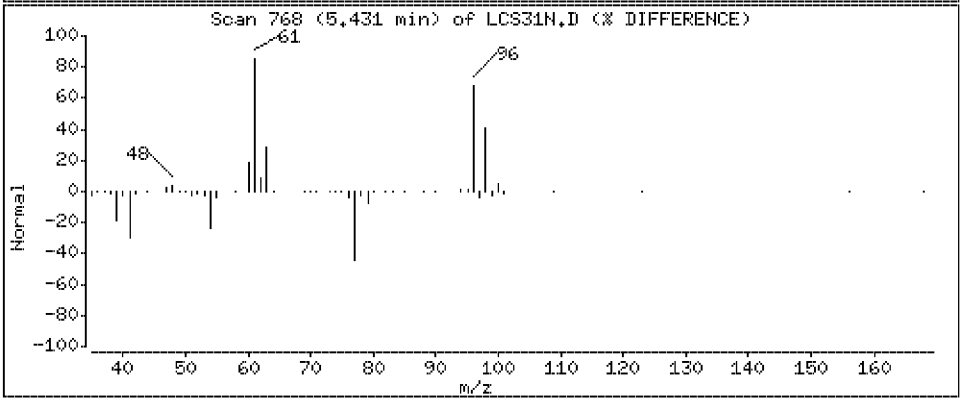
Column phase: RTX-502.2 Column diameter: 0.18

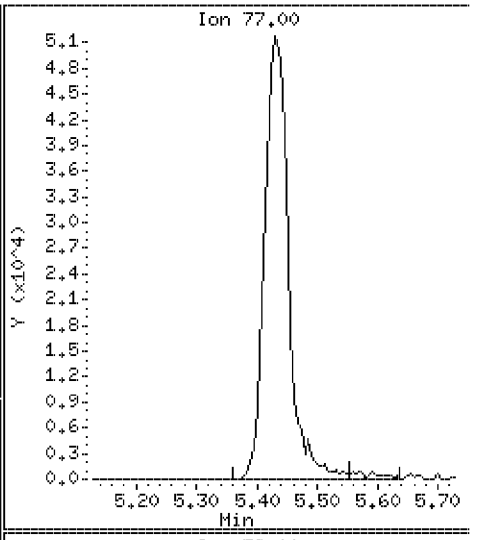
28 2,2-Dichloropropane Concentration: 21.0 ug/l

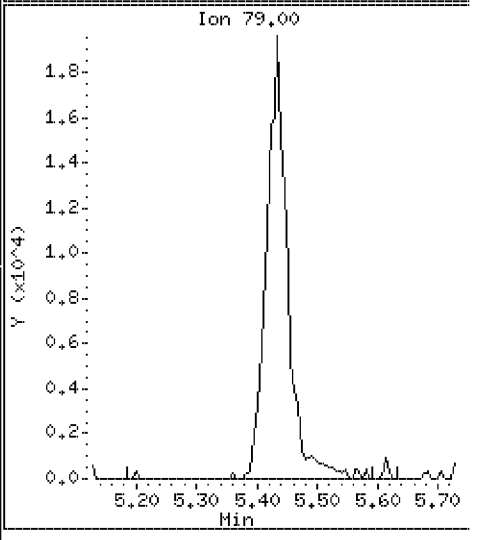












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

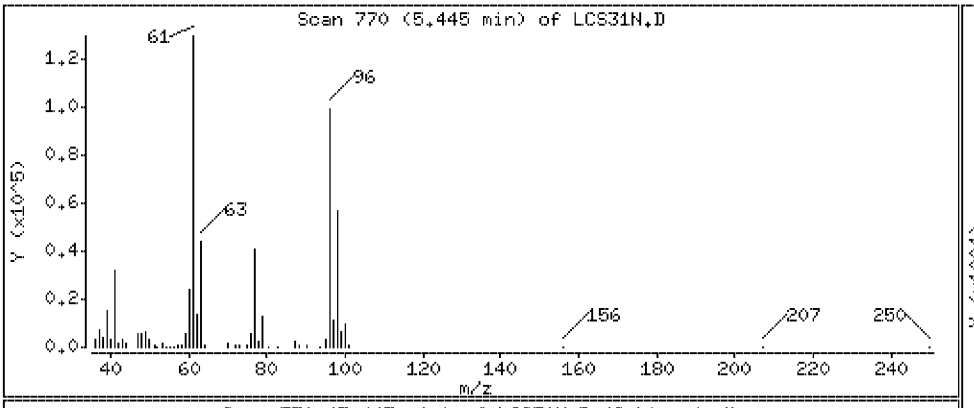
Operator:

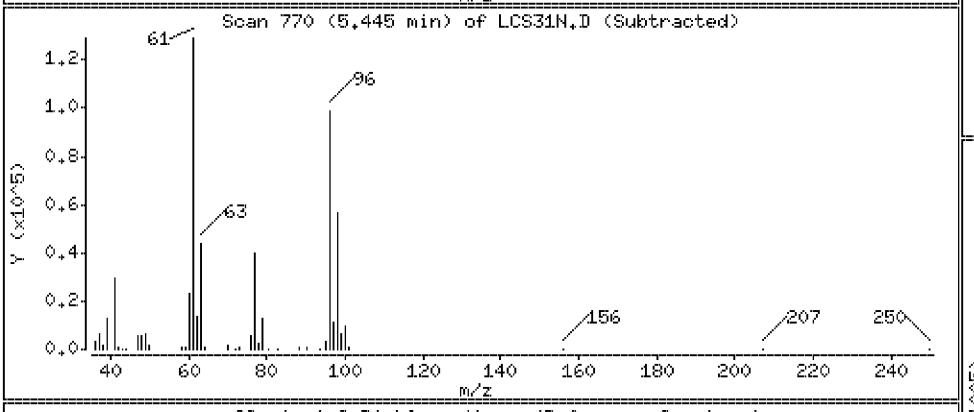
Column phase: RTX-502.2

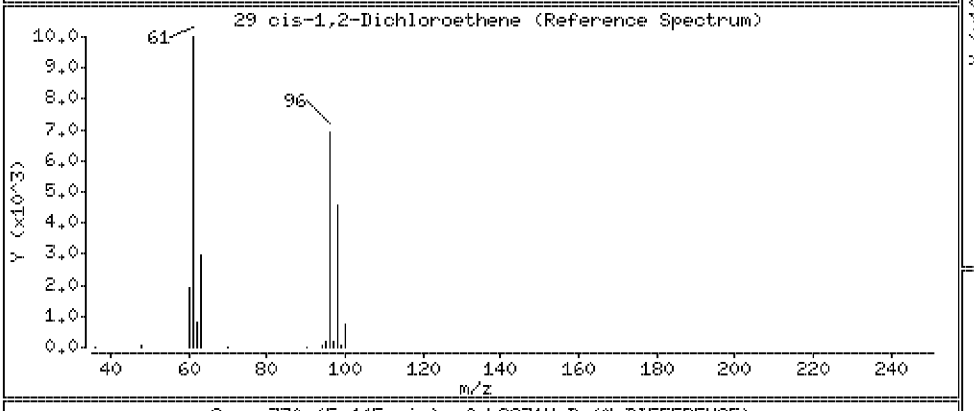
Column diameter: 0.18

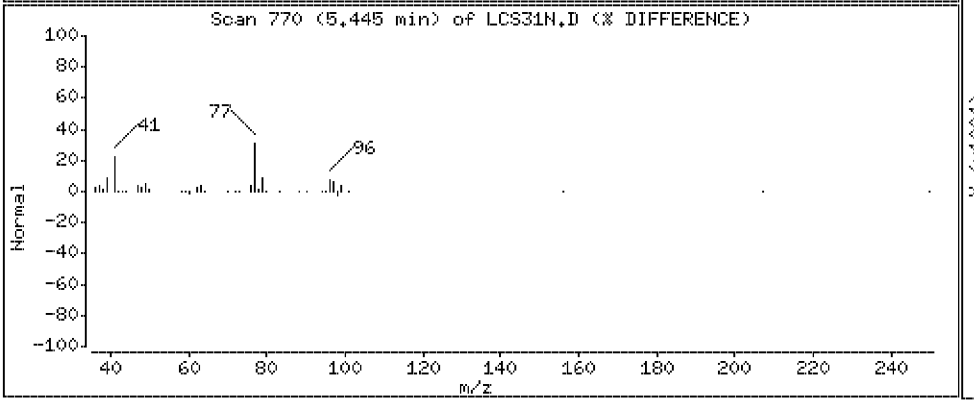
29 cis-1,2-Dichloroethene

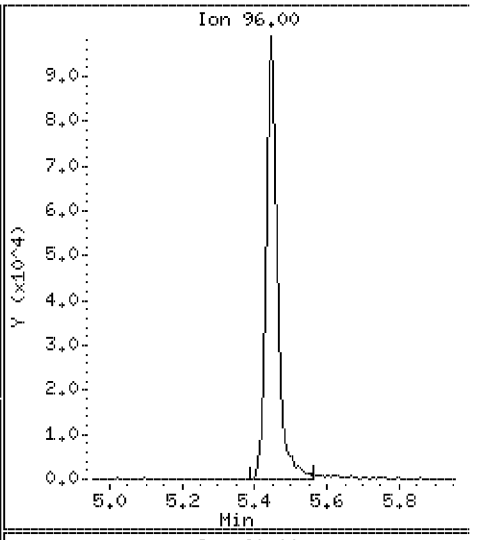
Concentration: 21.6 ug/l

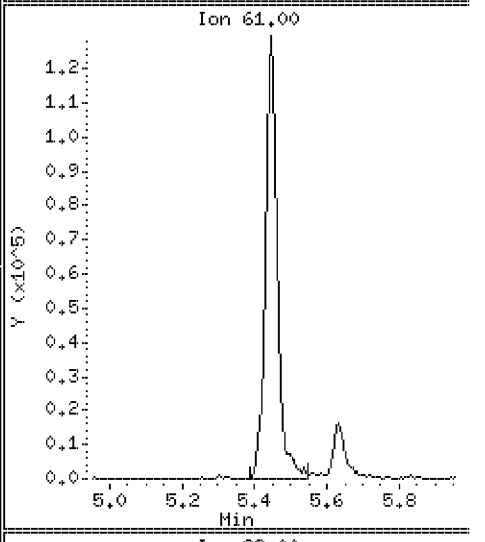


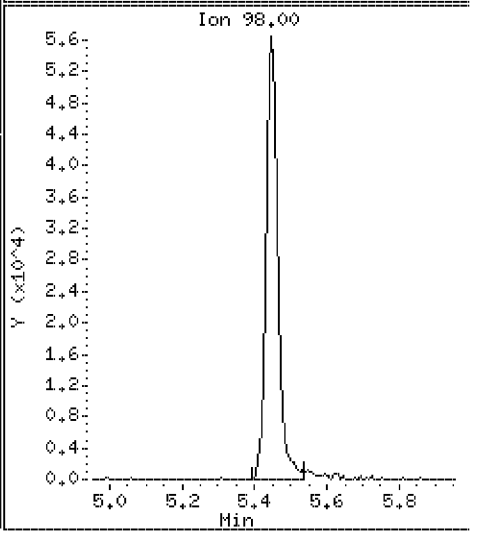












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

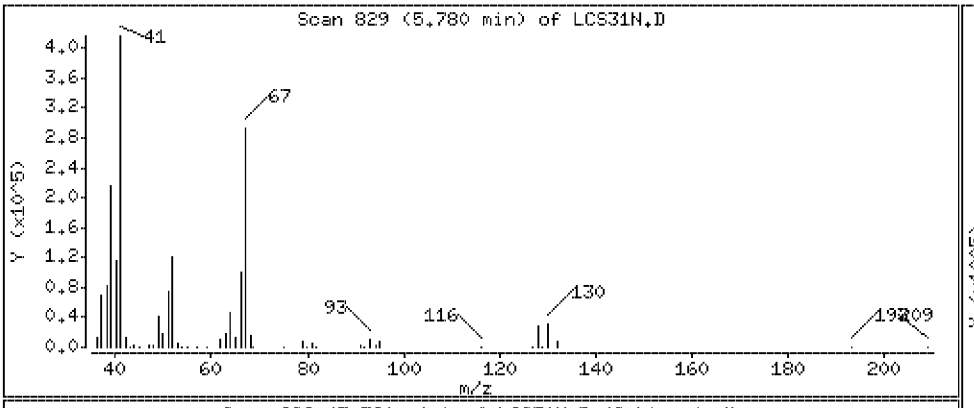
Operator:

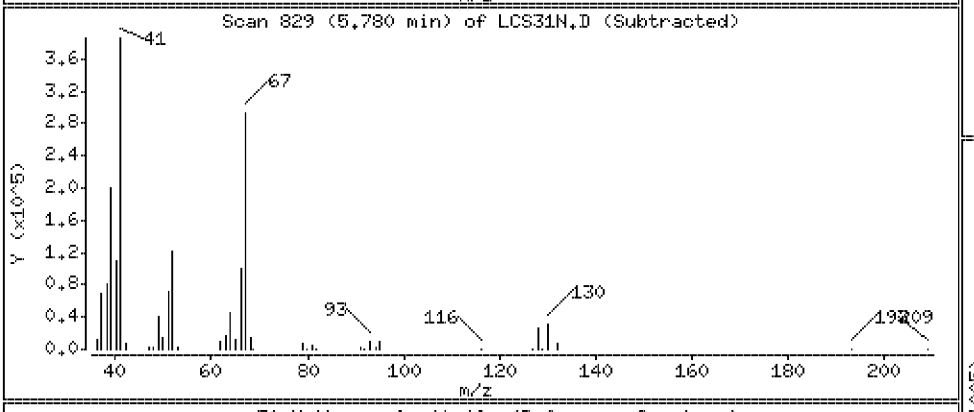
Column phase: RTX-502.2

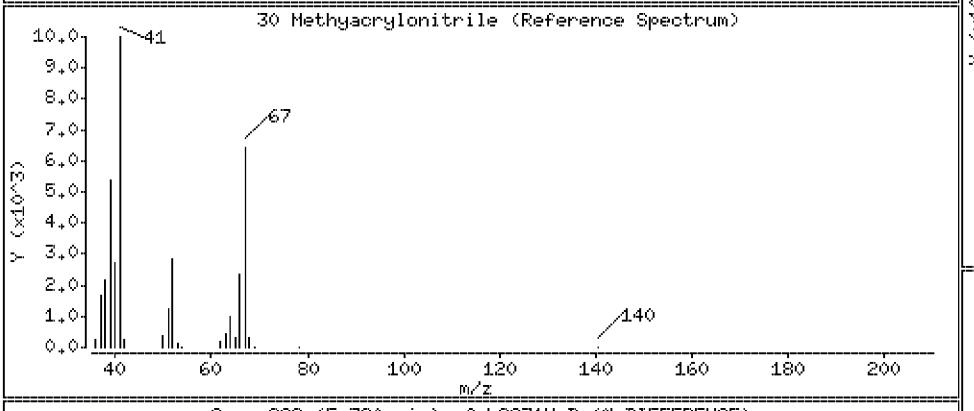
Column diameter: 0.18

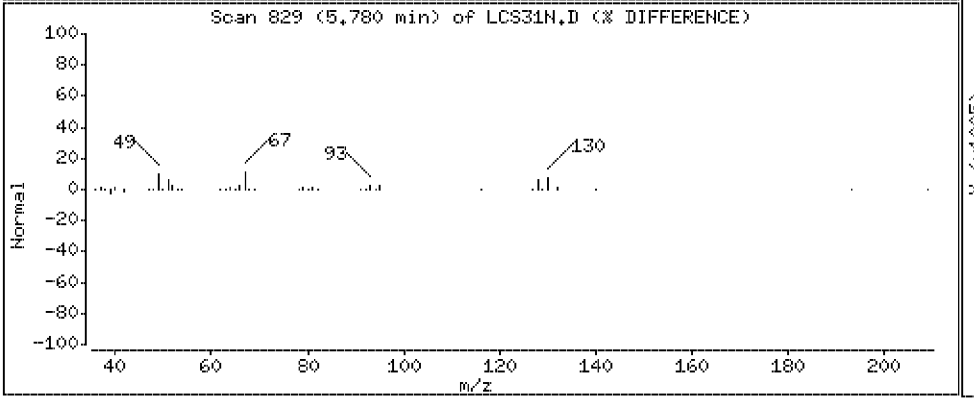
30 Methyacrylonitrile

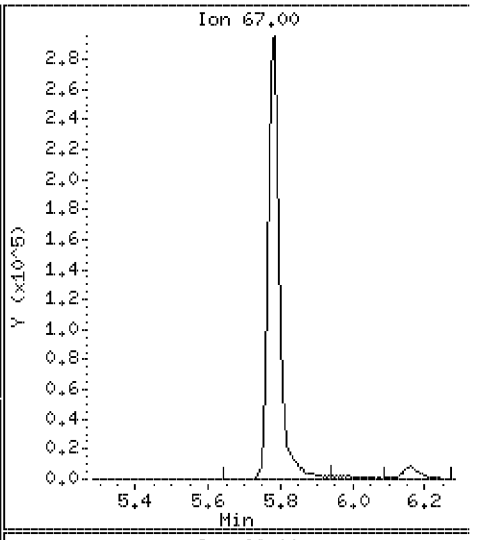
Concentration: 197 ug/l

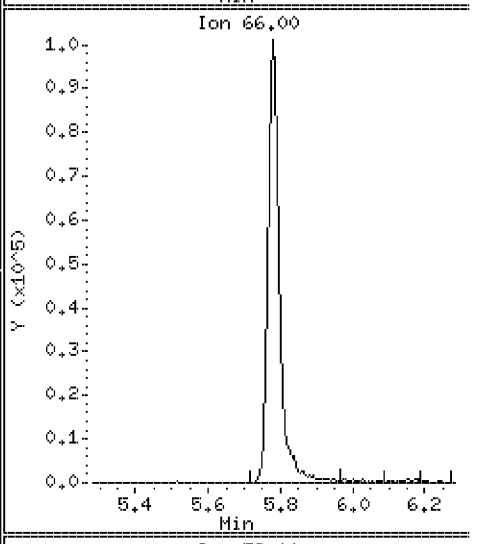


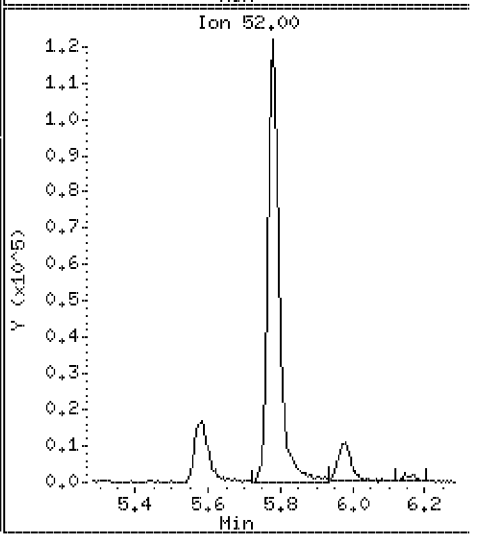












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

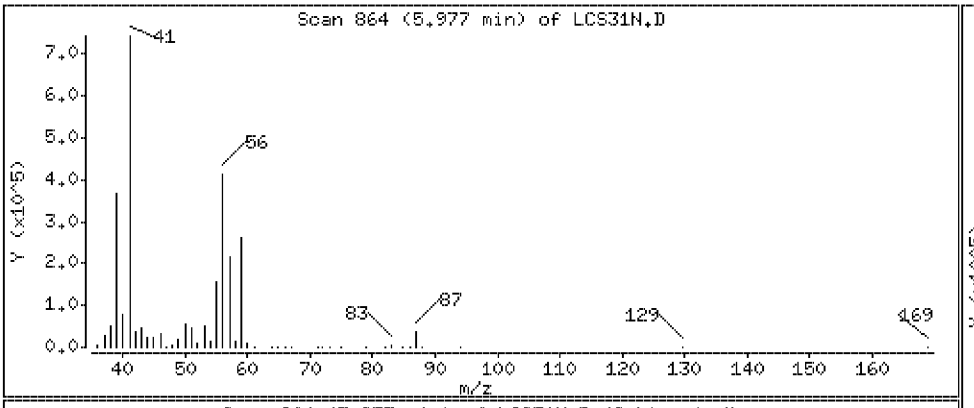
Client ID: 072710LCSA31 | Instrument: vms03.i

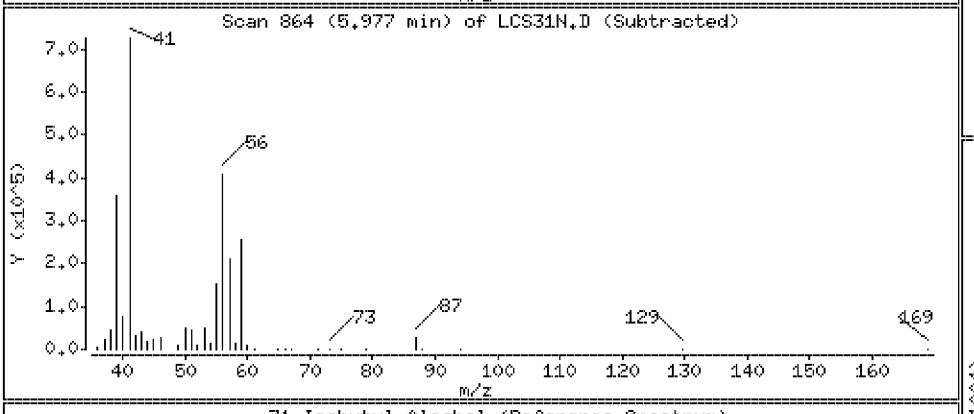
Sample Info: 072710LCSA31

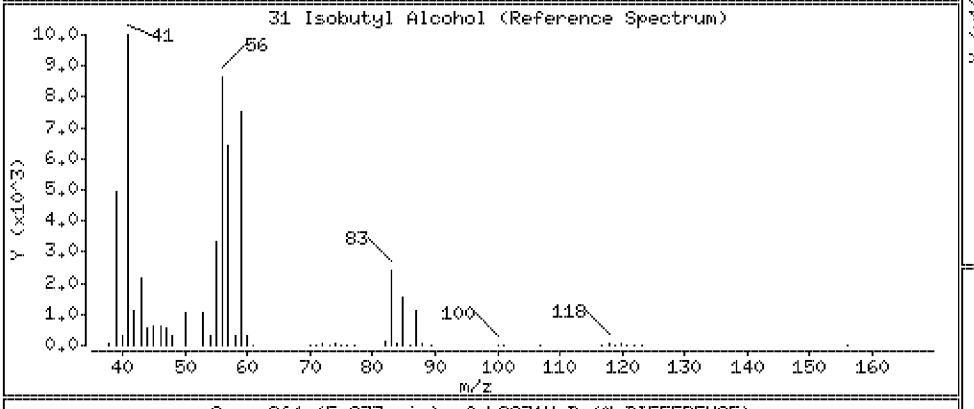
Purge Volume: 5.0 | Operator:

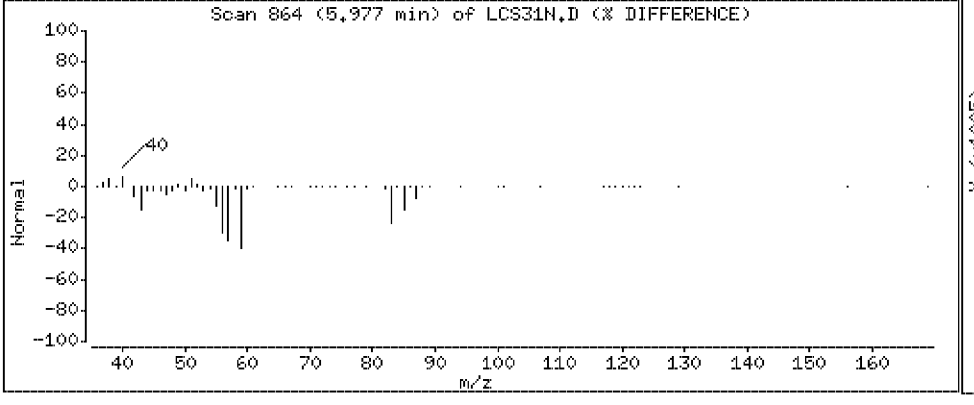
Column phase: RTX-502.2 | Column diameter: 0.18

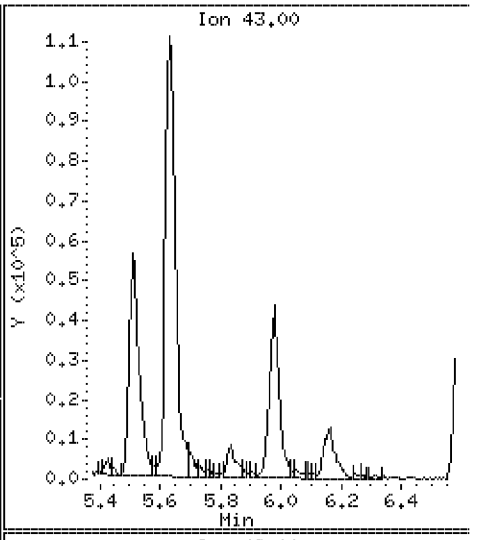
31 Isobutyl Alcohol | Concentration: 329 ug/l

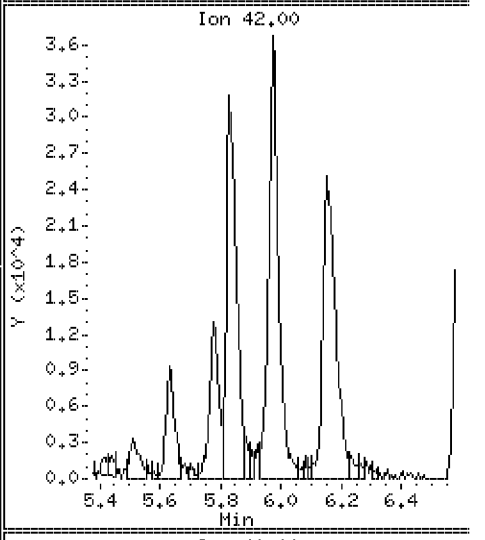


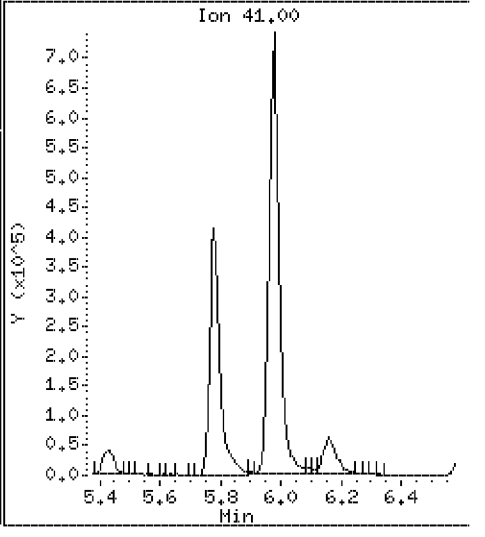












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

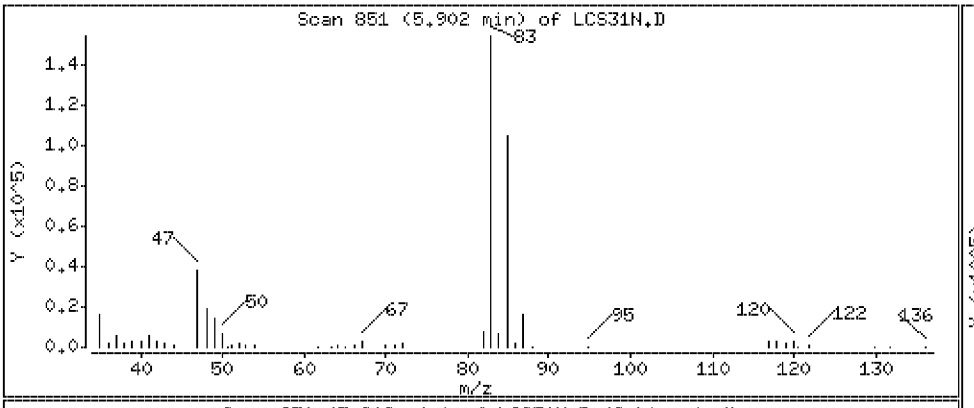
Operator:

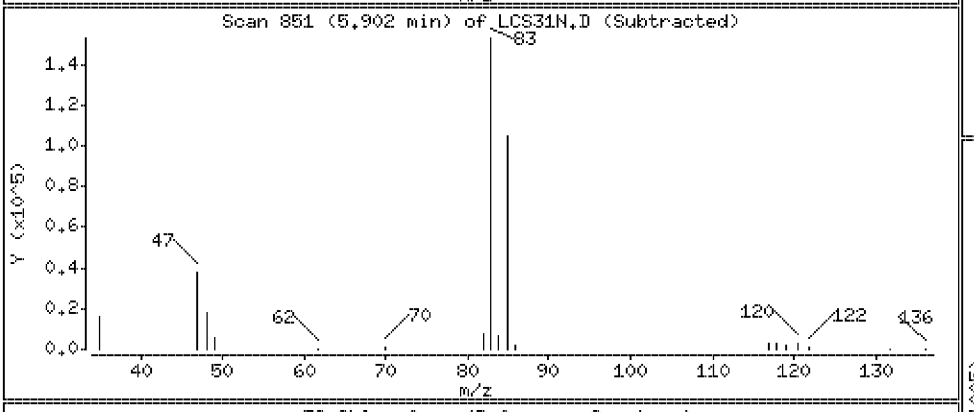
Column phase: RTX-502.2

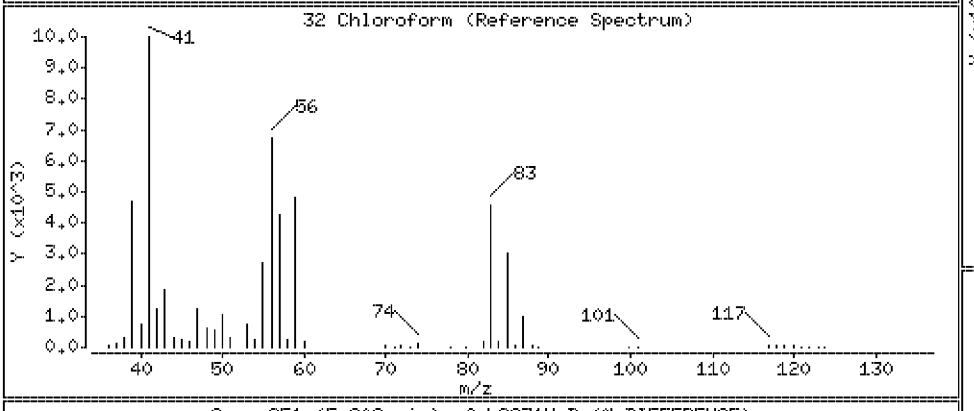
Column diameter: 0.18

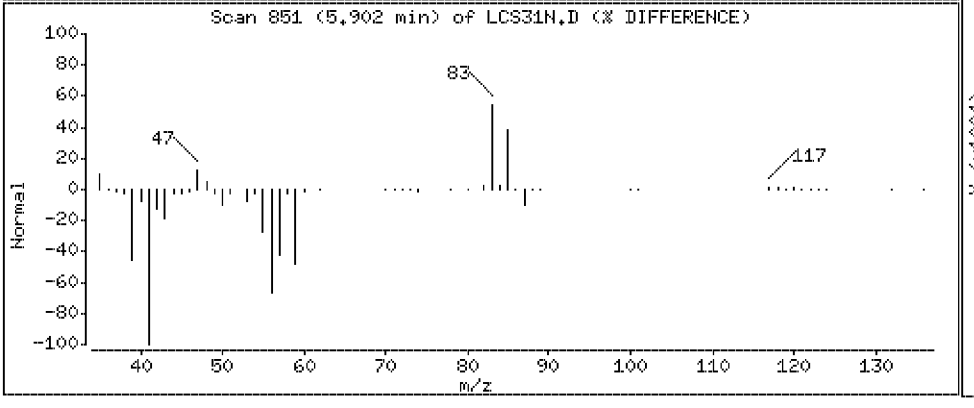
32 Chloroform

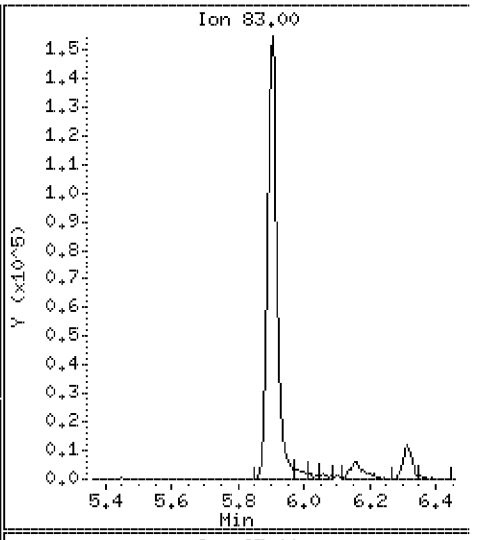
Concentration: 19.5 ug/l

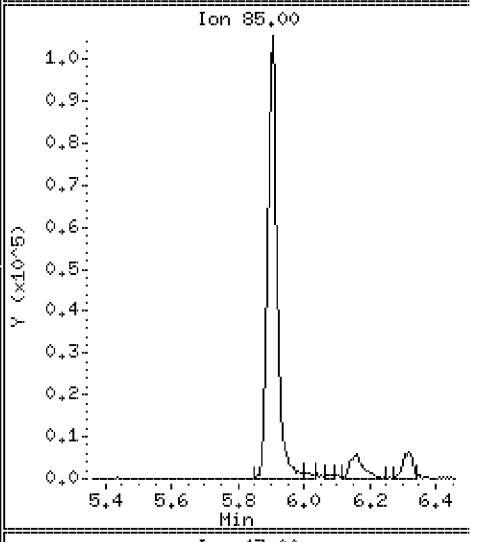


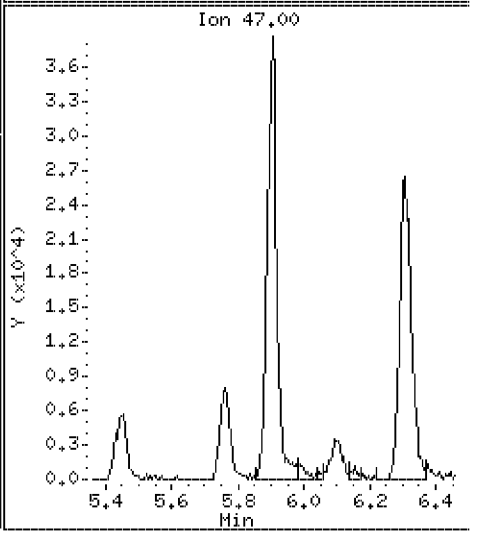












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

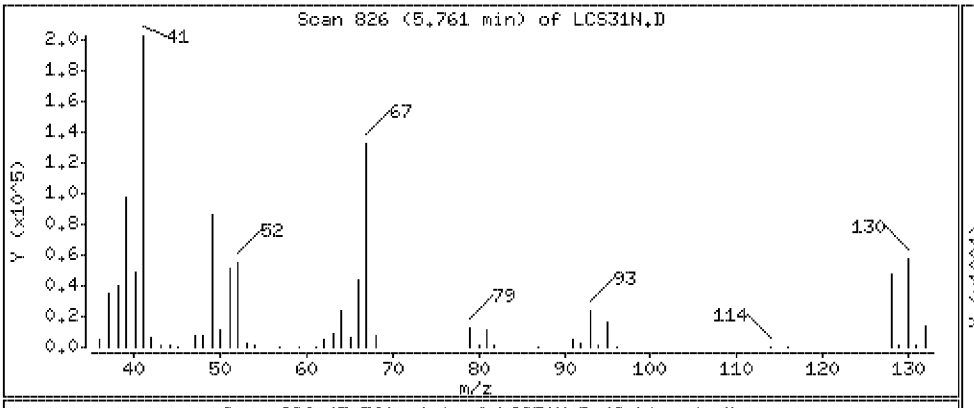
Operator:

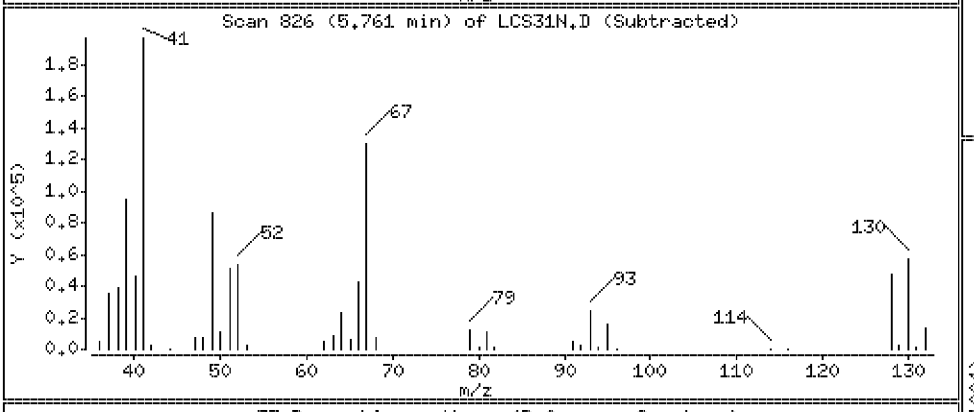
Column phase: RTX-502.2

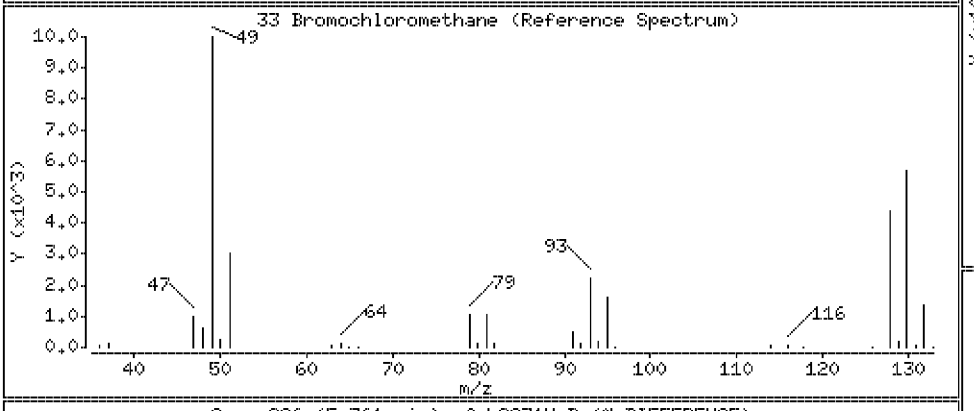
Column diameter: 0.18

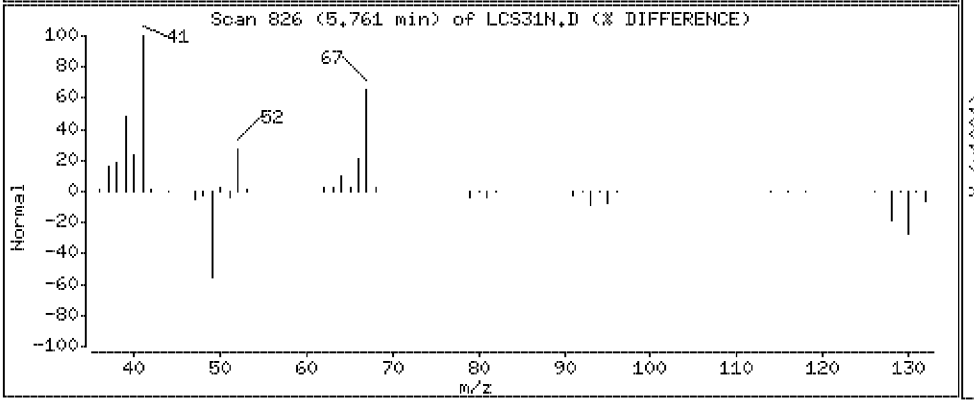
33 Bromochloromethane

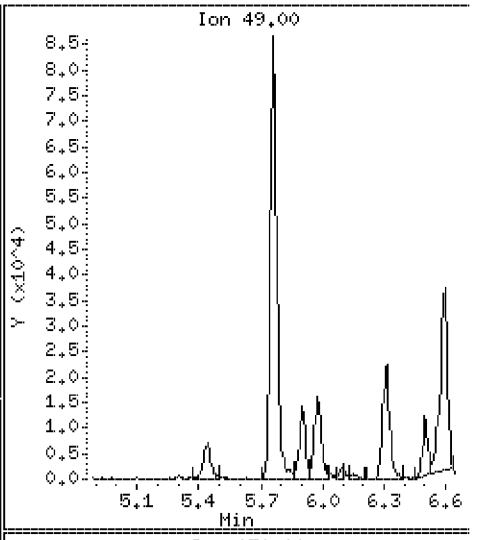
Concentration: 19.9 ug/l

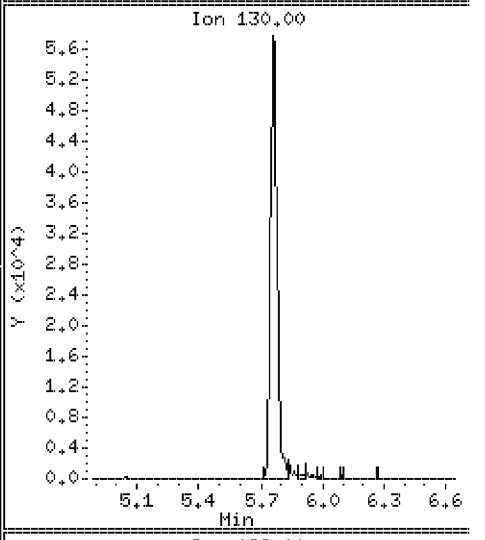


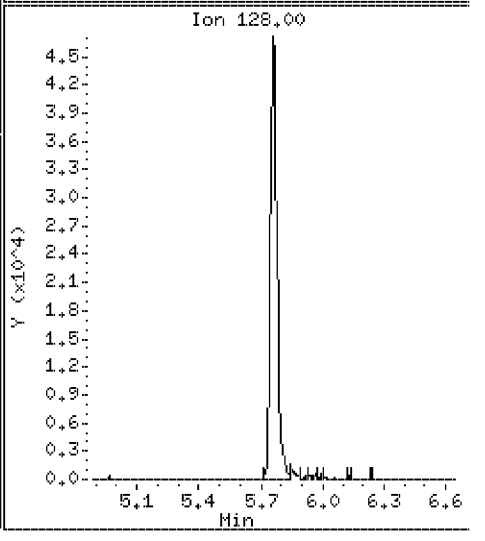












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

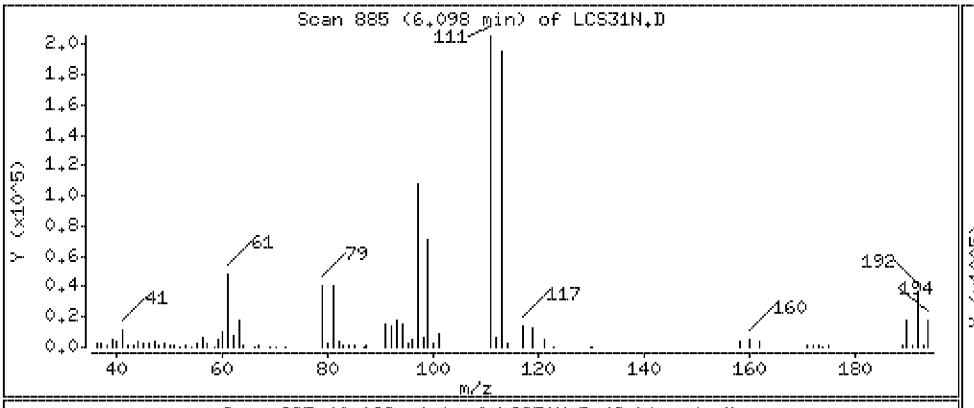
Client ID: 072710LCSA31 Instrument: vms03.i

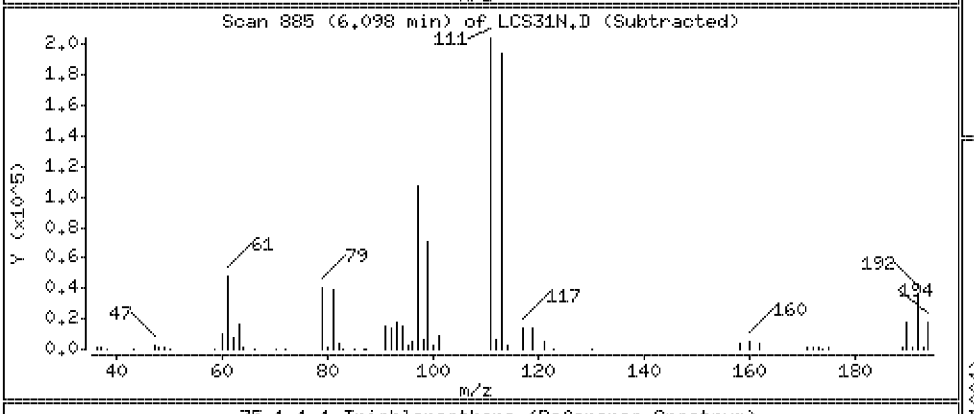
Sample Info: 072710LCSA31

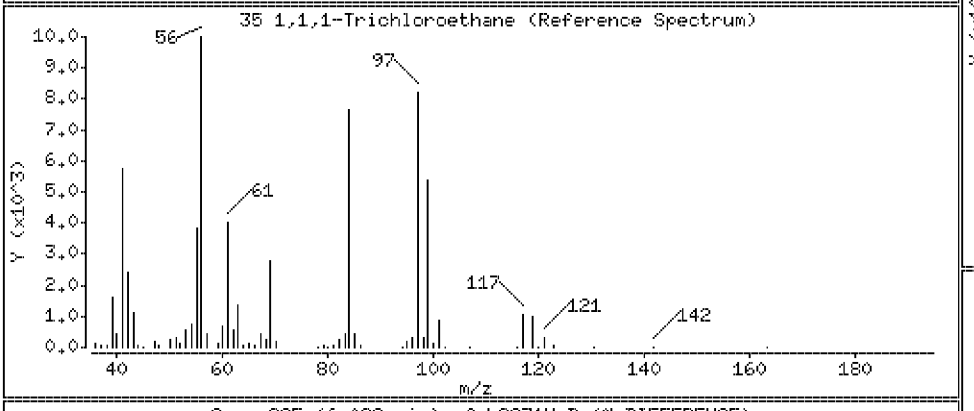
Purge Volume: 5.0 Operator:

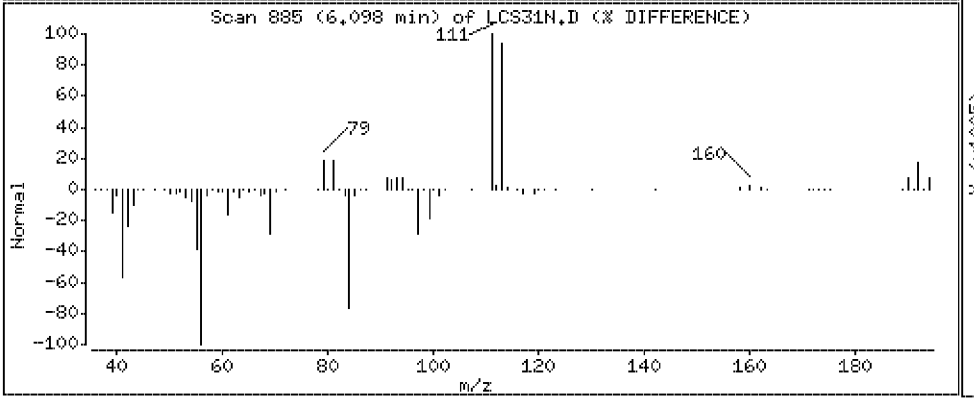
Column phase: RTX-502.2 Column diameter: 0.18

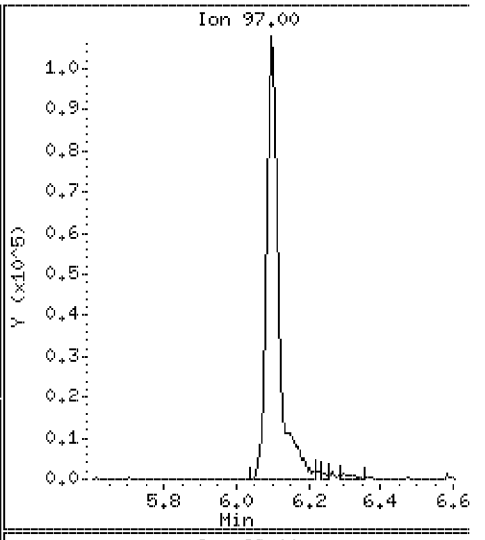
35 1,1,1-Trichloroethane Concentration: 20.4 ug/l

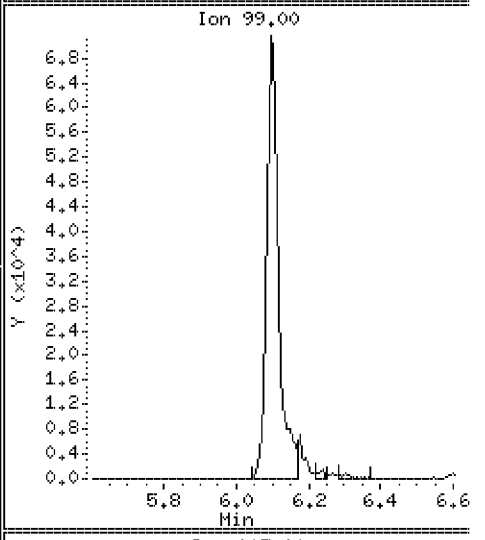


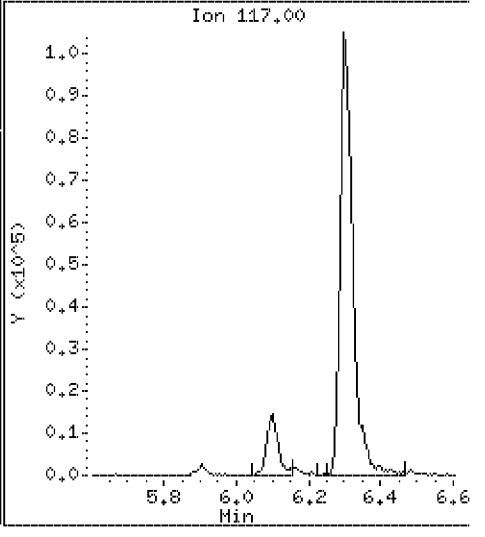












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

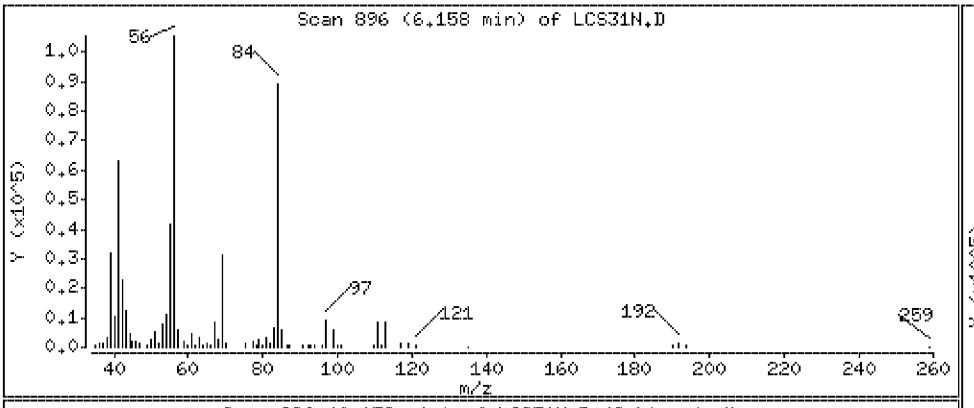
Client ID: 072710LCSA31 Instrument: vms03.i

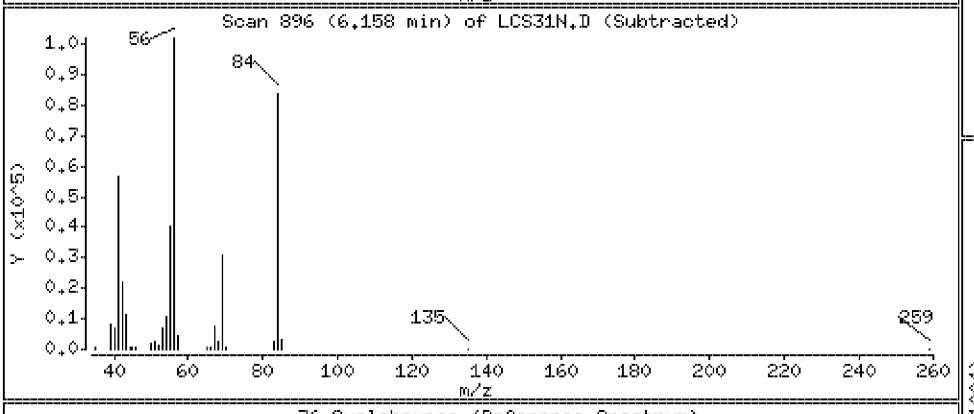
Sample Info: 072710LCSA31

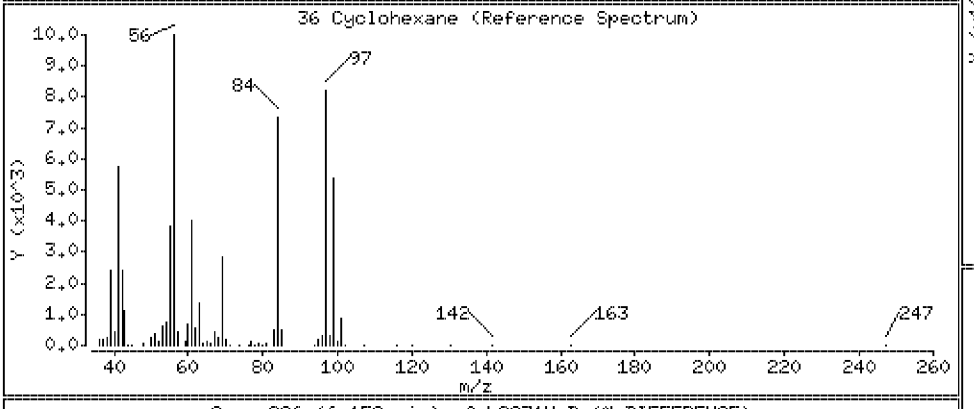
Purge Volume: 5.0 Operator:

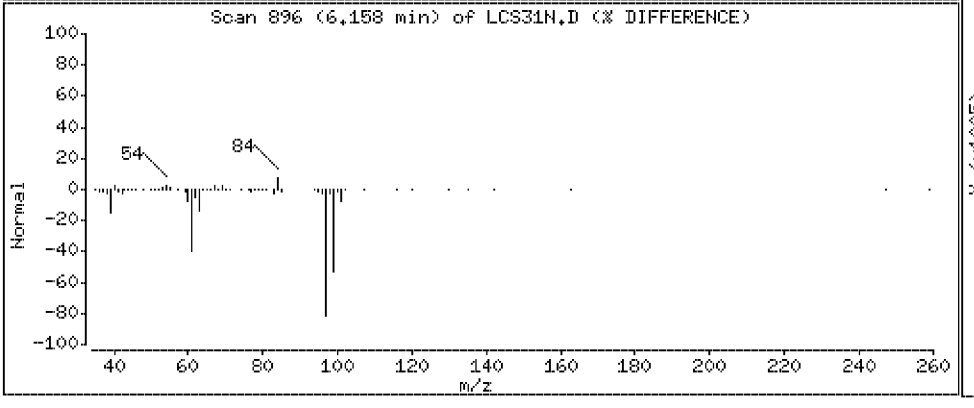
Column phase: RTX-502.2 Column diameter: 0.18

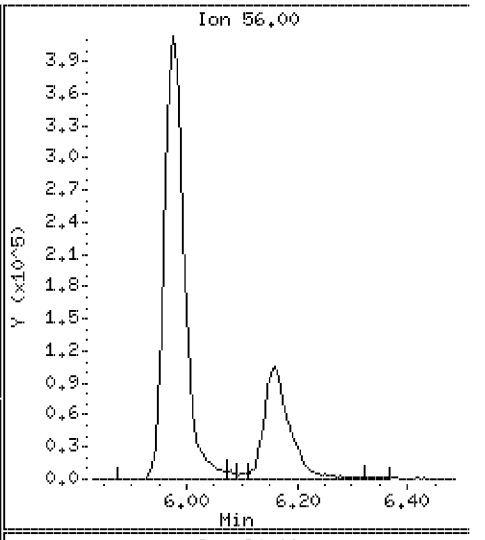
36 Cyclohexane Concentration: 21.3 ug/l

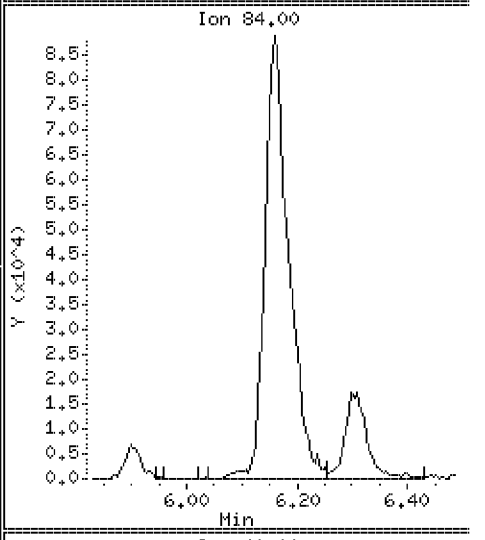


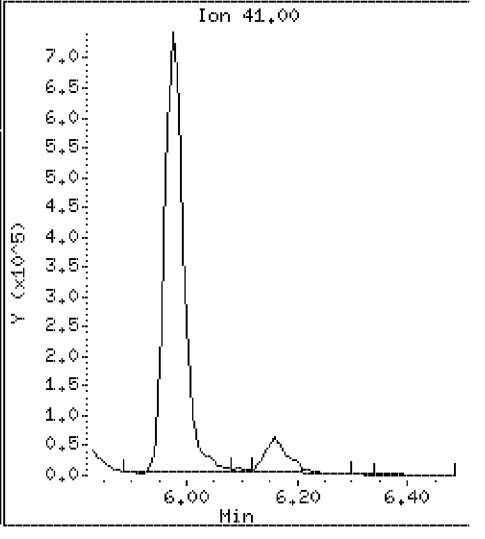












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

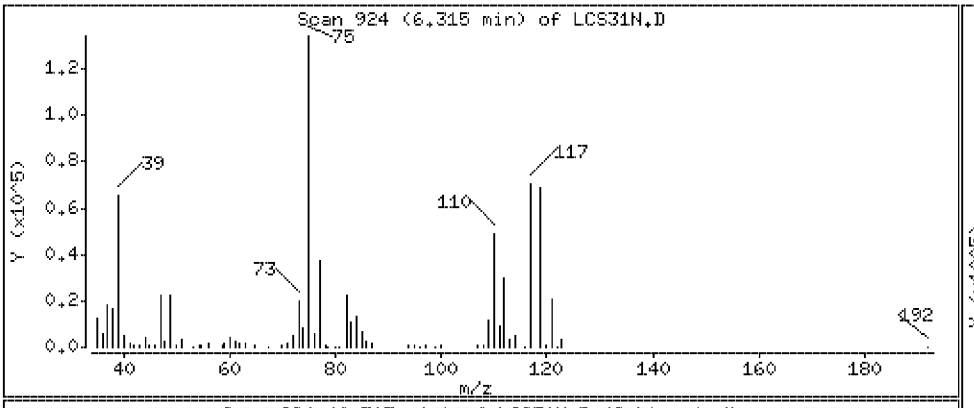
Client ID: 072710LCSA31 Instrument: vms03.i

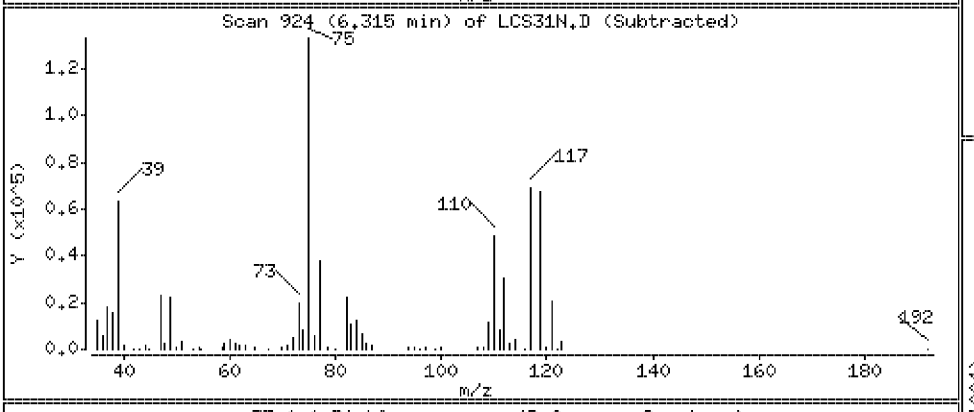
Sample Info: 072710LCSA31

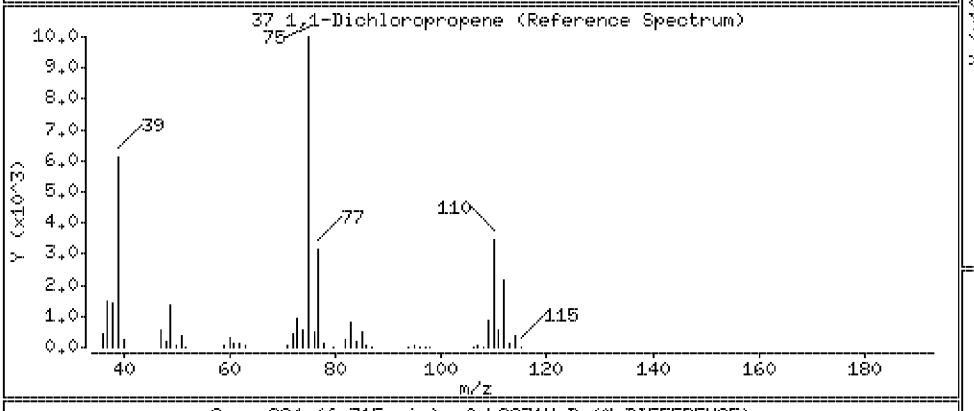
Purge Volume: 5.0 Operator:

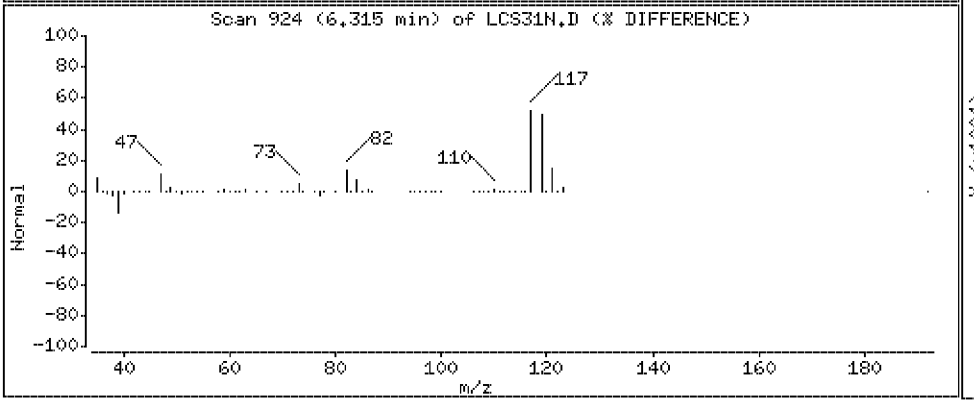
Column phase: RTX-502.2 Column diameter: 0.18

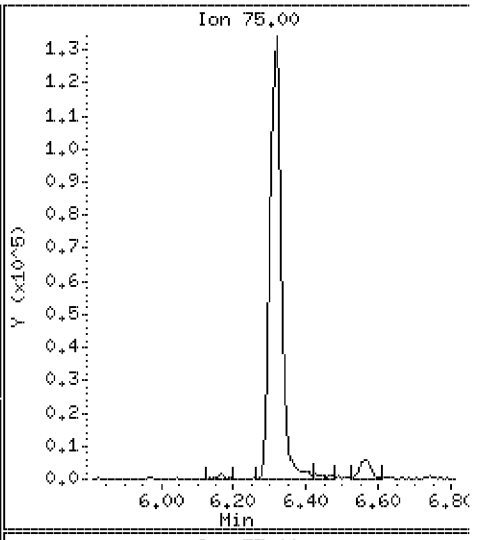
37 1,1-Dichloropropene Concentration: 21.3 ug/l

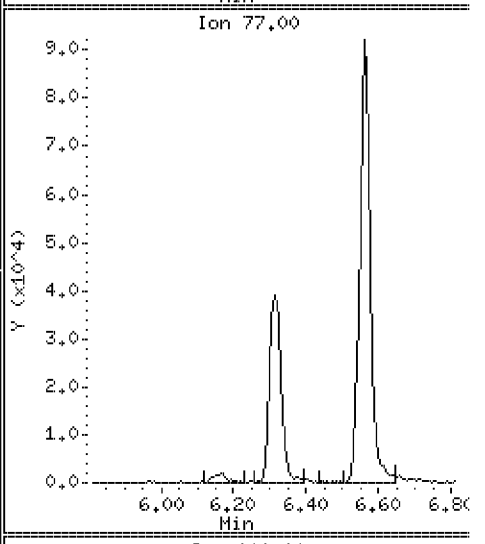


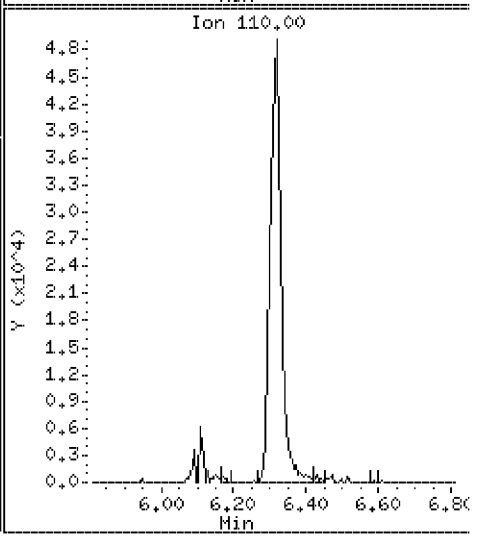












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

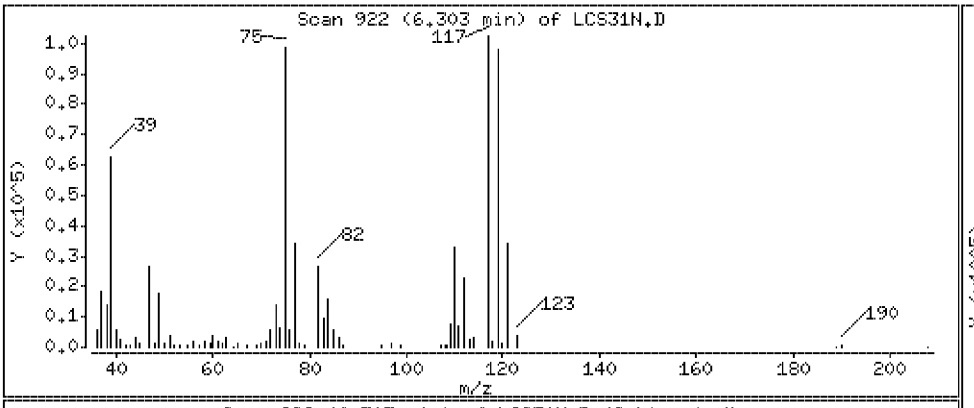
Client ID: 072710LCSA31 Instrument: vms03.i

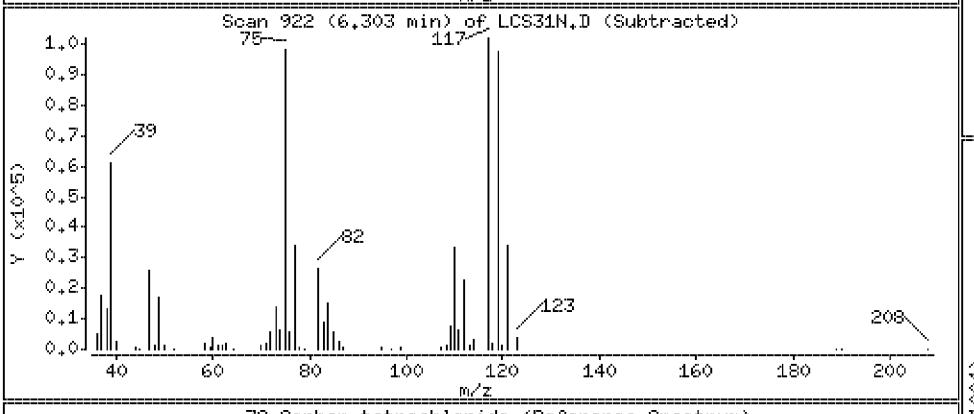
Sample Info: 072710LCSA31

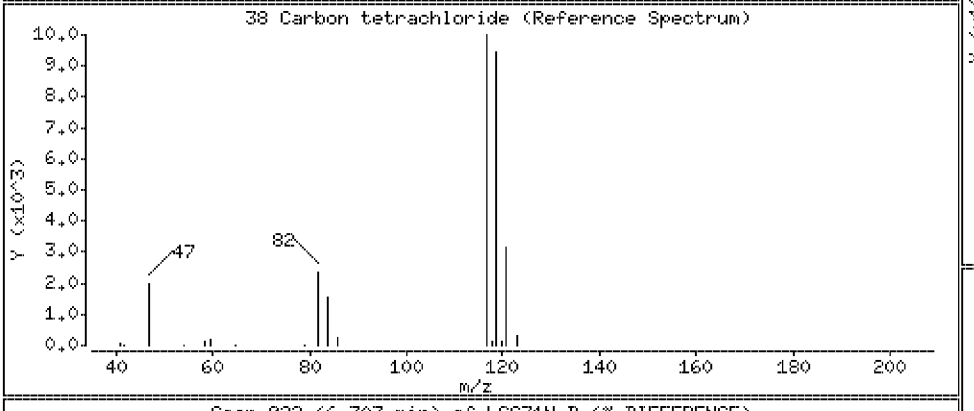
Purge Volume: 5.0 Operator:

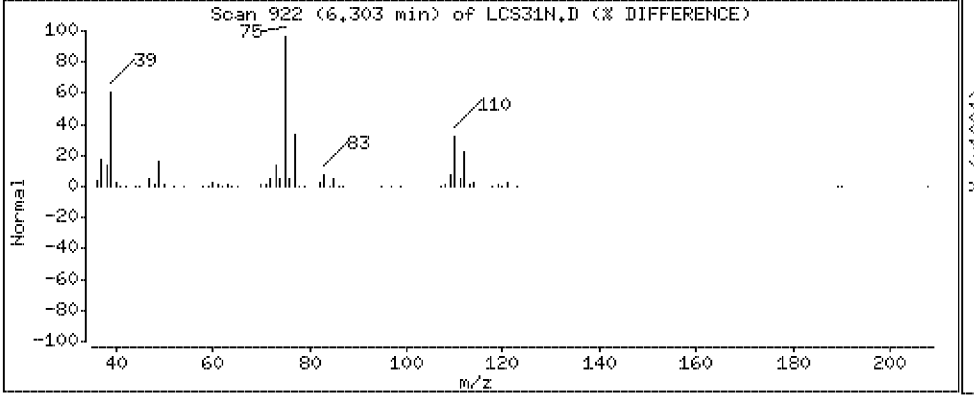
Column phase: RTX-502.2 Column diameter: 0.18

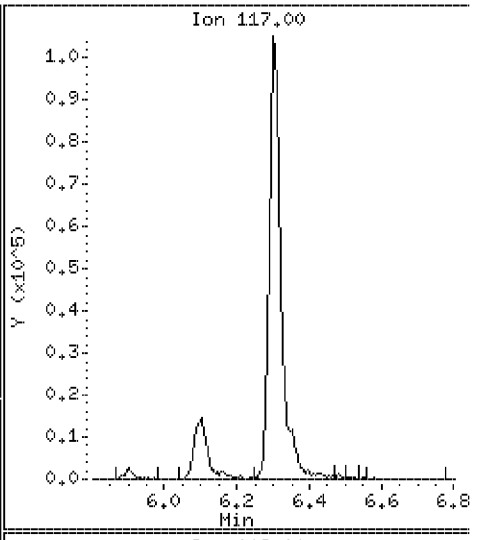
38 Carbon tetrachloride Concentration: 19.4 ug/l

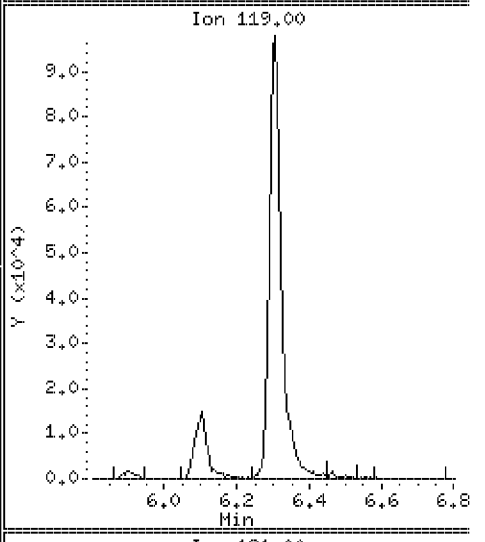


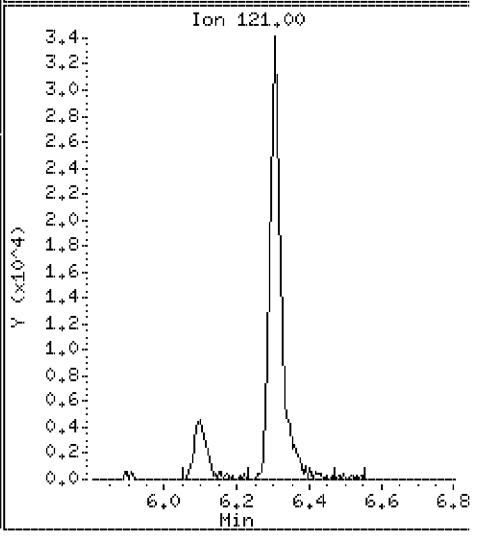












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

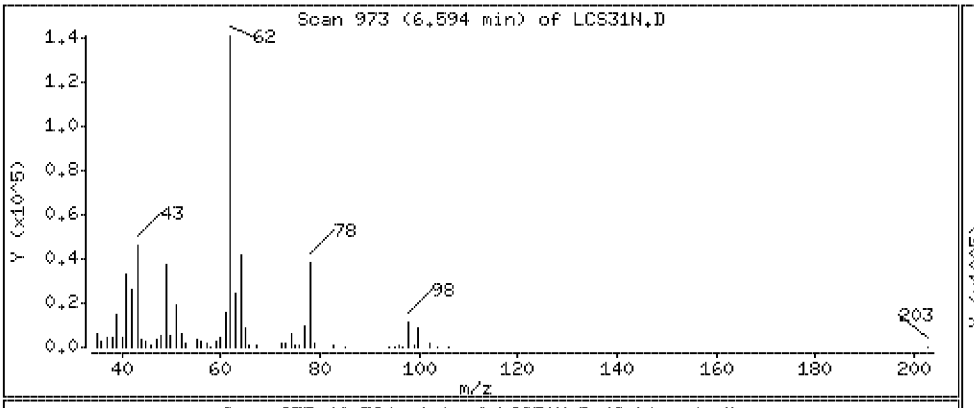
Client ID: 072710LCSA31 Instrument: vms03.i

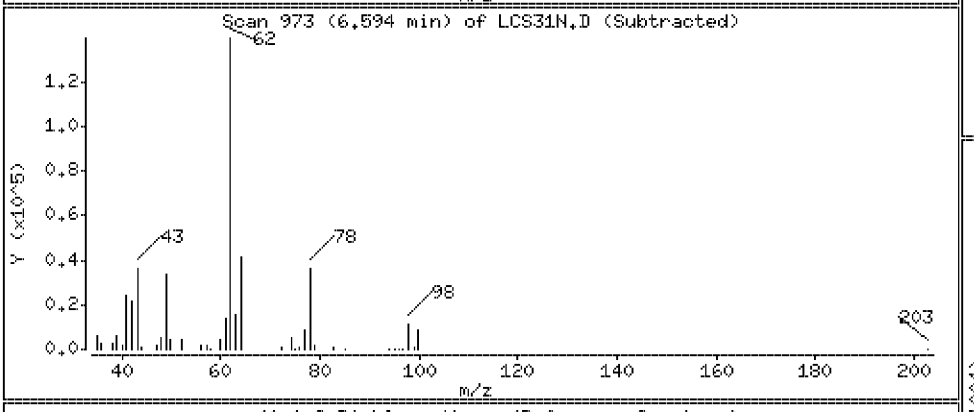
Sample Info: 072710LCSA31

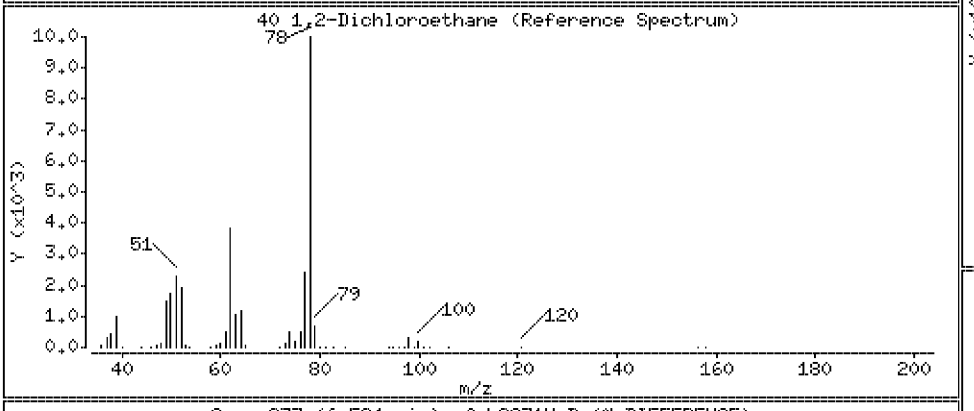
Purge Volume: 5.0 Operator:

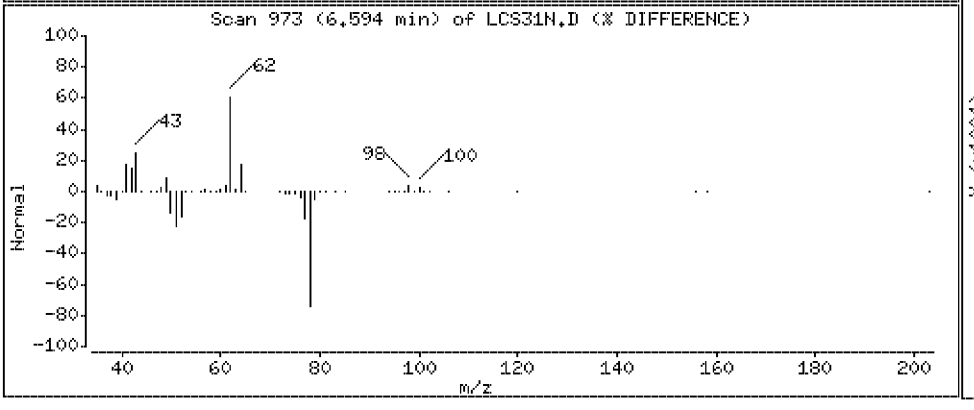
Column phase: RTX-502.2 Column diameter: 0.18

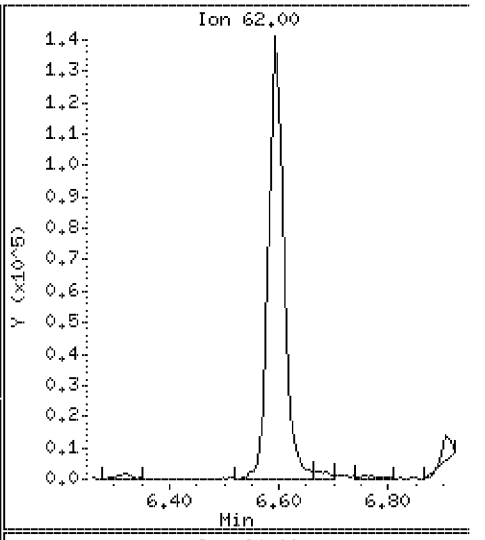
40 1,2-Dichloroethane Concentration: 19.6 ug/l

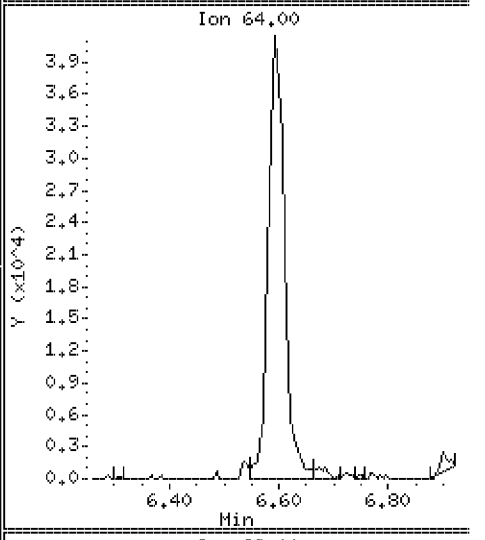


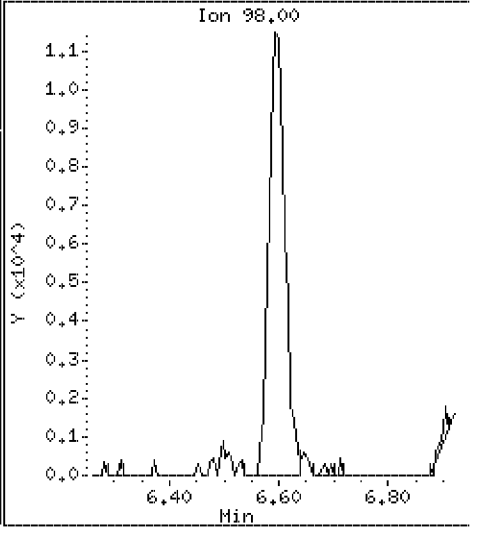












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

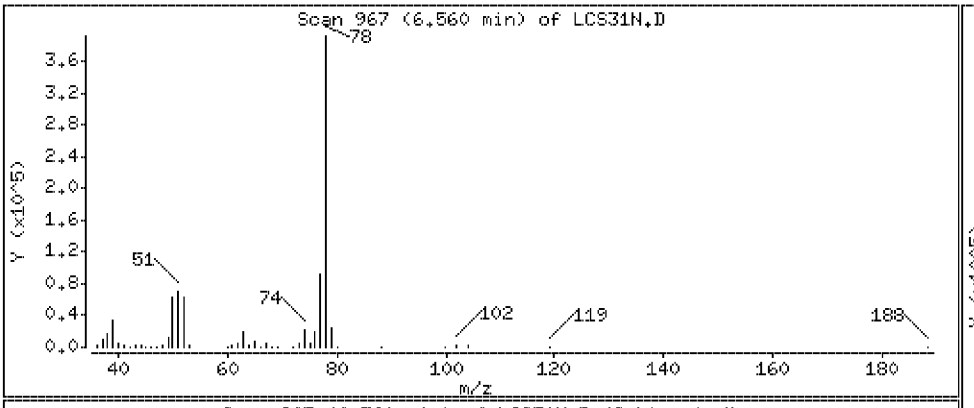
Operator:

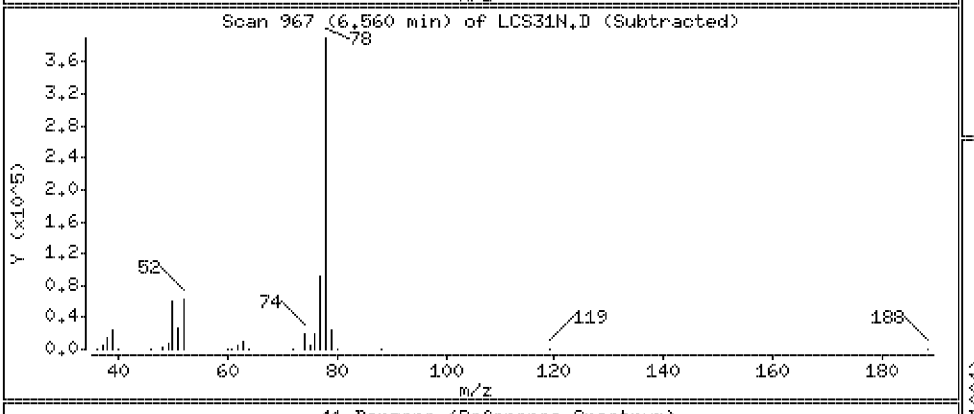
Column phase: RTX-502.2

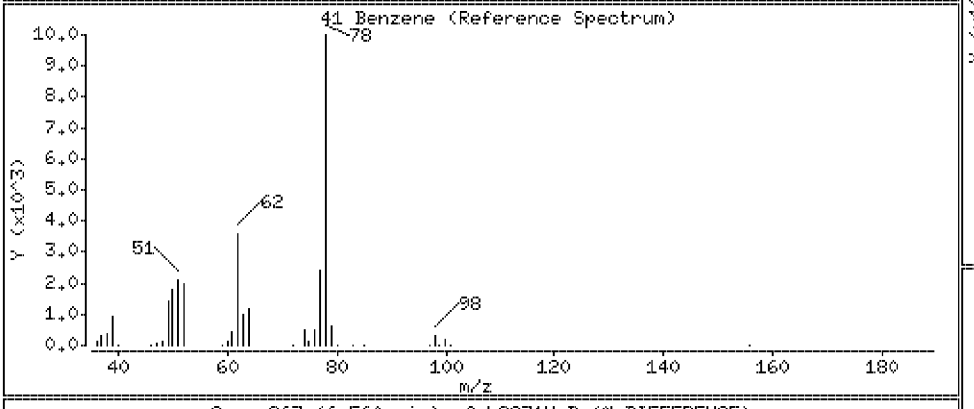
Column diameter: 0.18

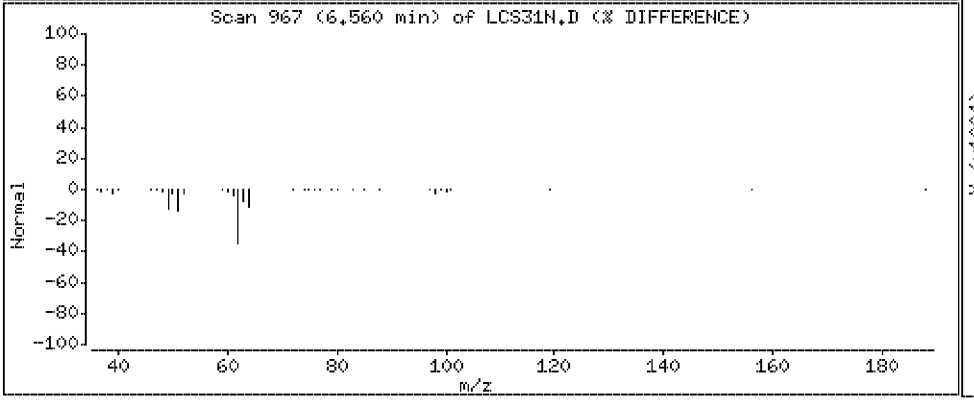
41 Benzene

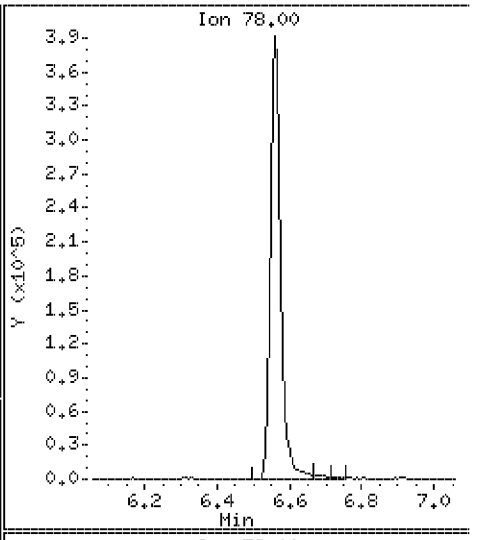
Concentration: 21.5 ug/l

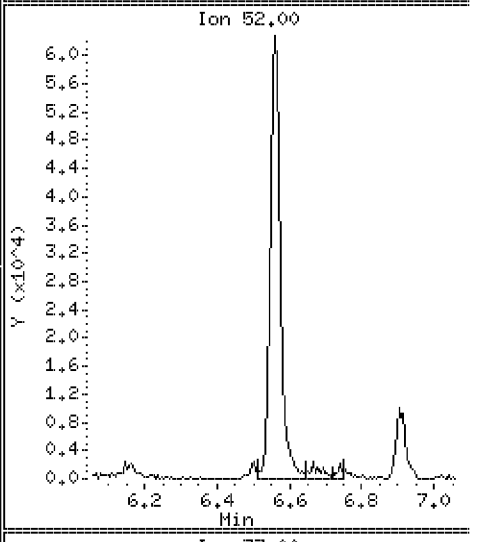


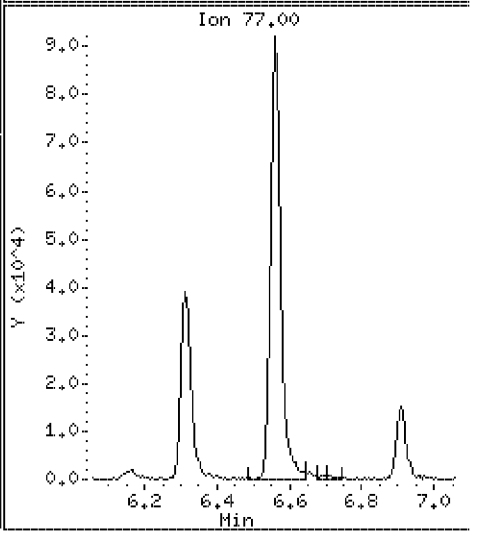












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

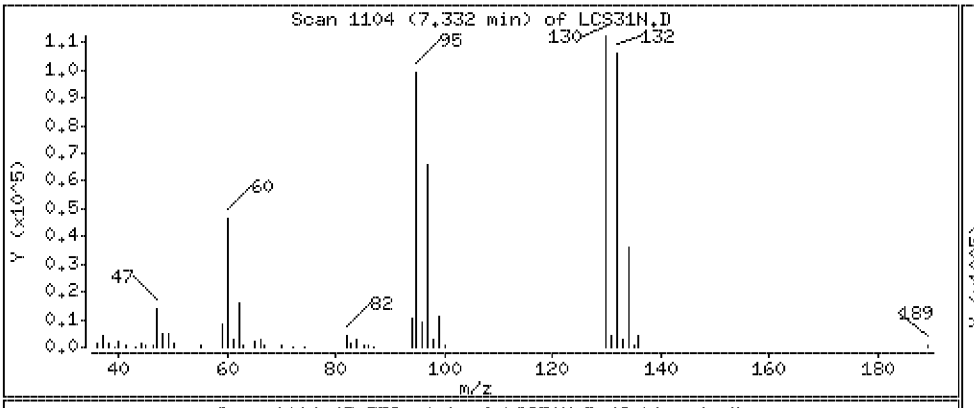
Operator:

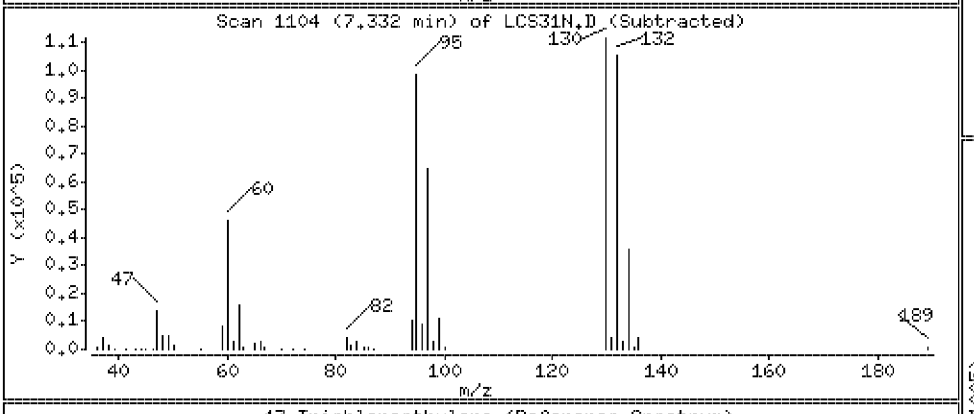
Column phase: RTX-502.2

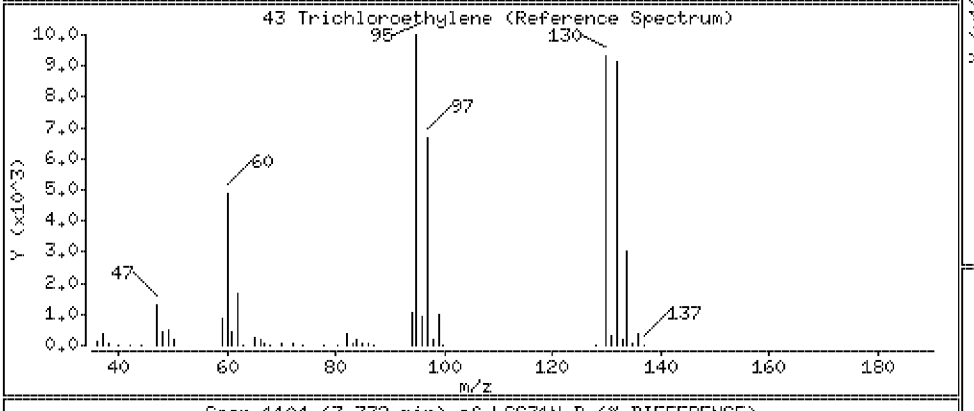
Column diameter: 0.18

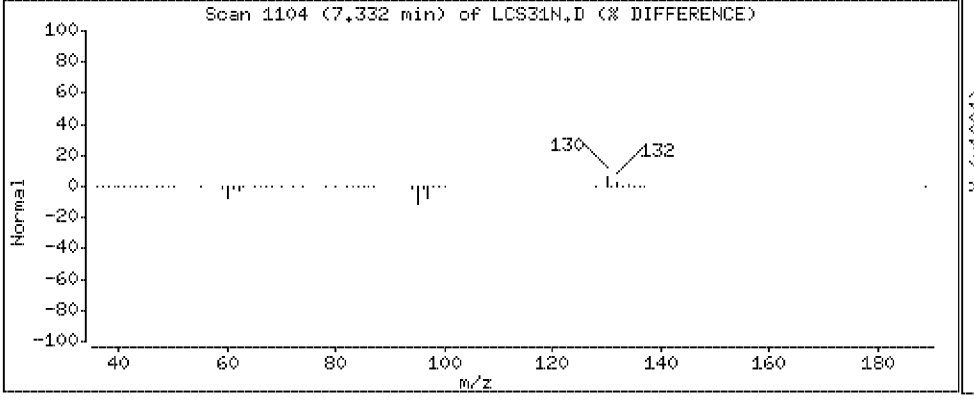
43 Trichloroethylene

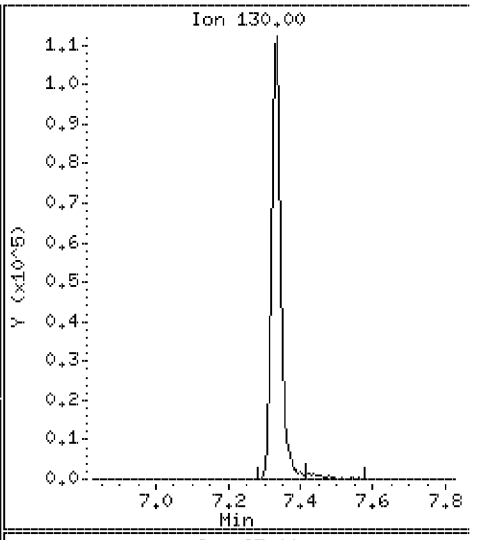
Concentration: 21.0 ug/l

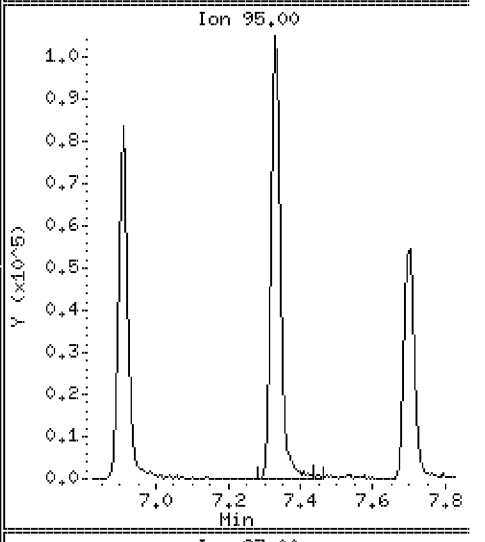


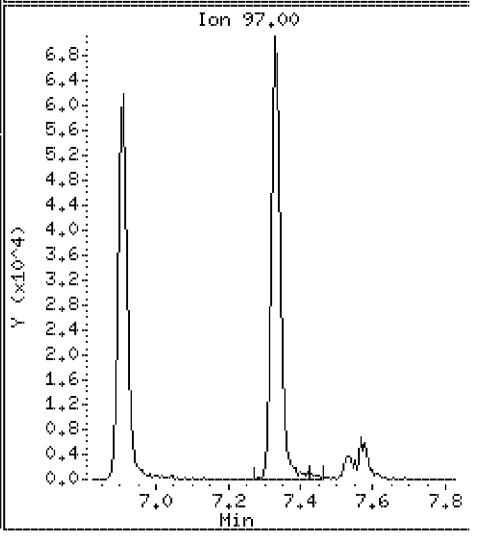












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

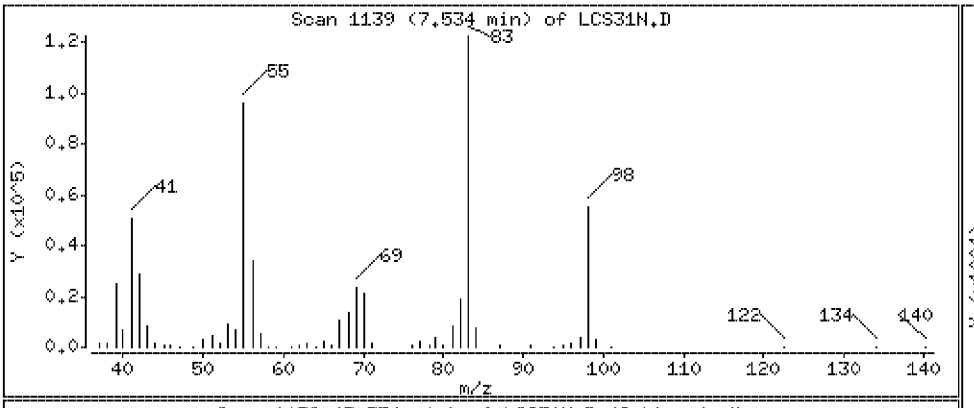
Client ID: 072710LCSA31 Instrument: vms03.i

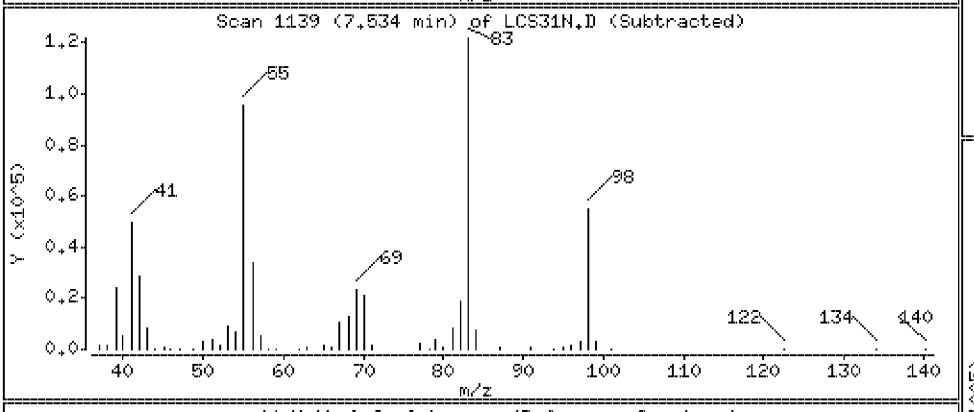
Sample Info: 072710LCSA31

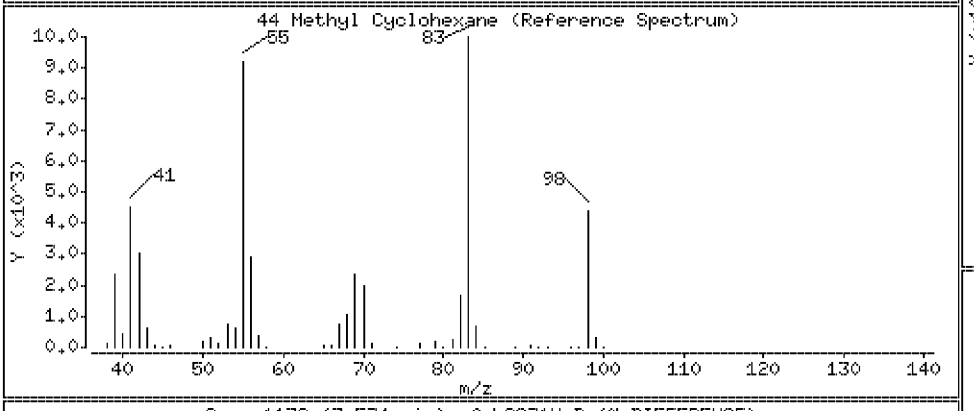
Purge Volume: 5.0 Operator:

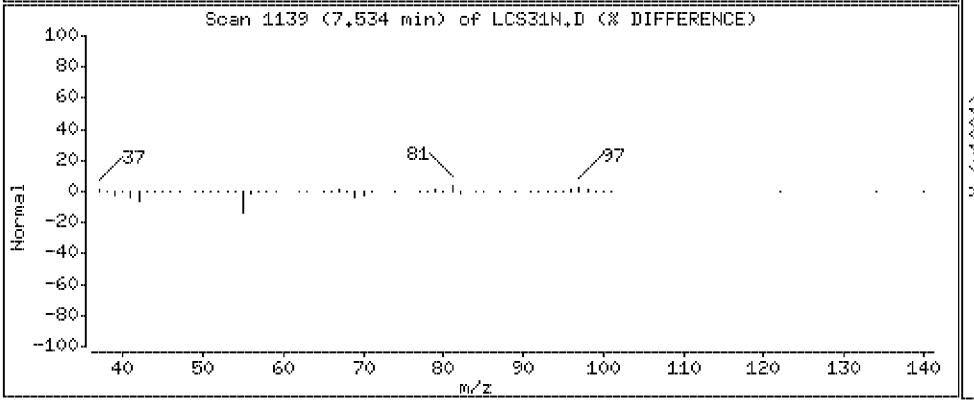
Column phase: RTX-502.2 Column diameter: 0.18

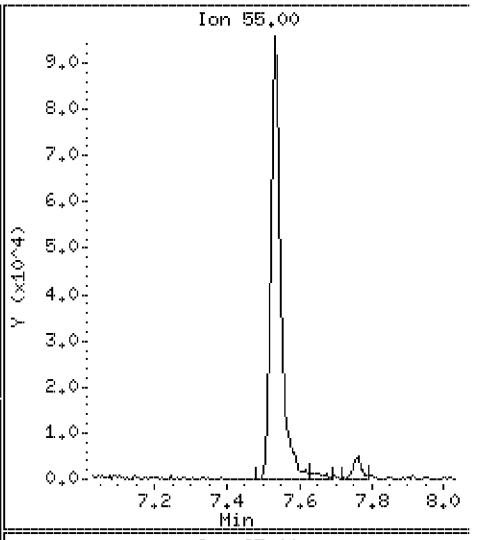
44 Methyl Cyclohexane Concentration: 21.5 ug/l

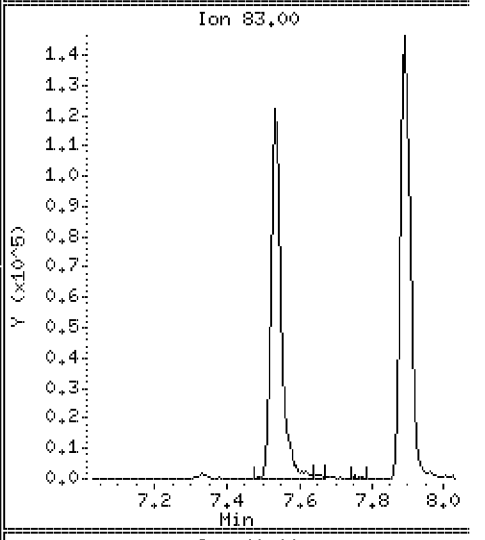


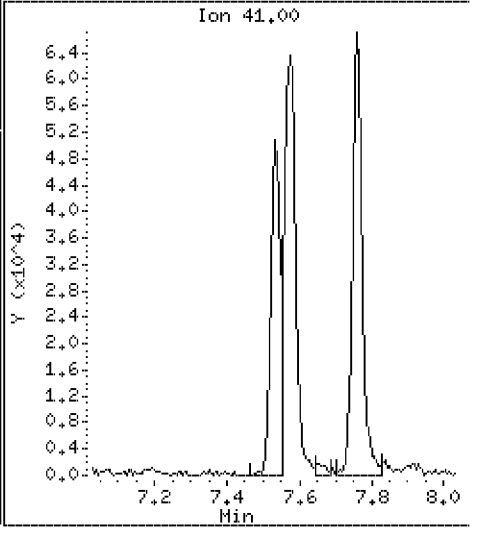












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

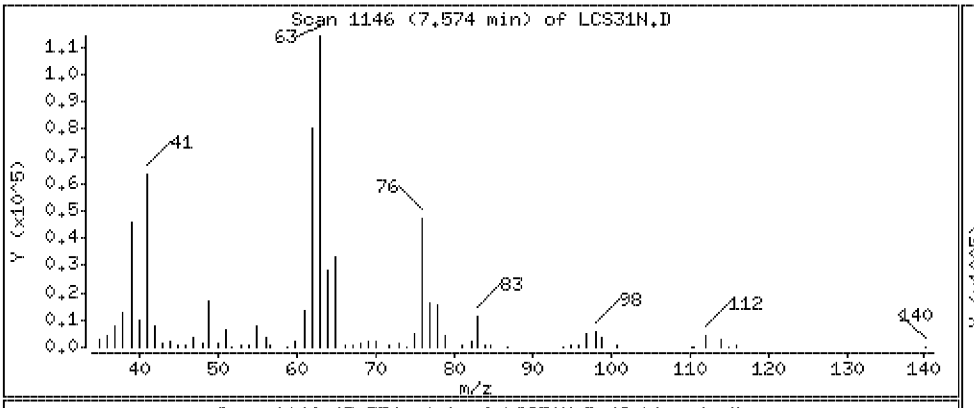
Operator:

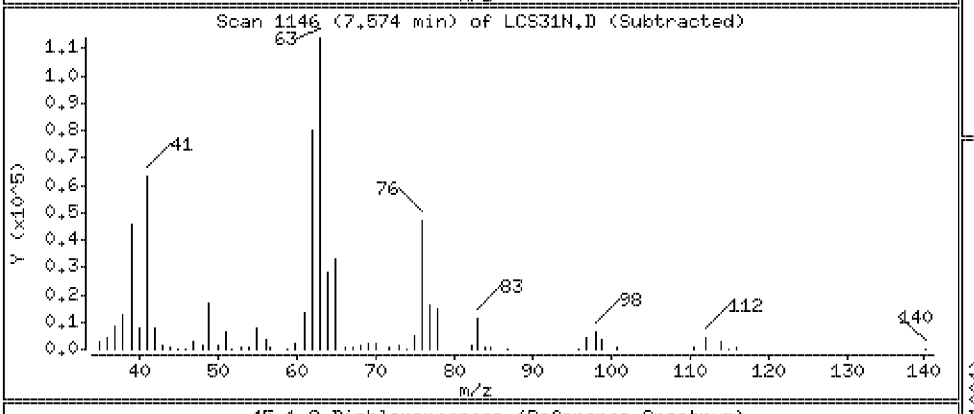
Column phase: RTX-502.2

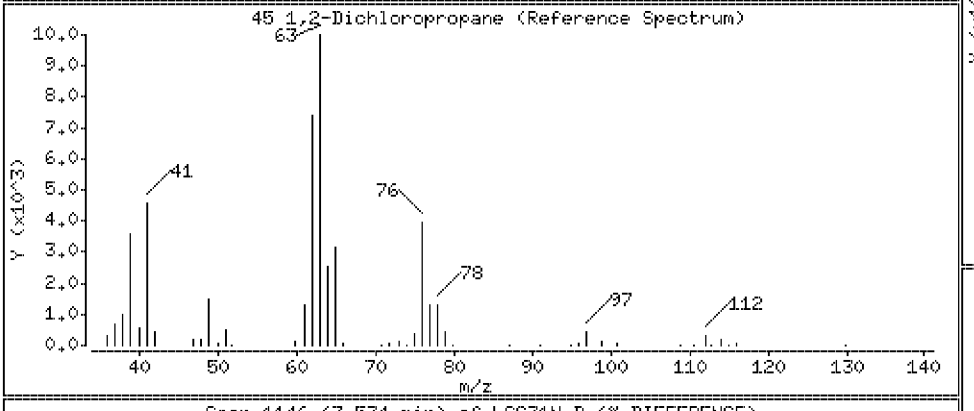
Column diameter: 0.18

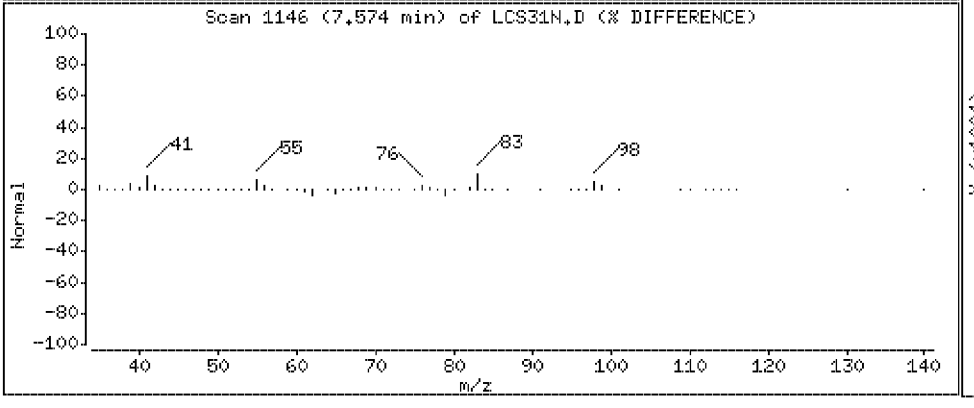
45 1,2-Dichloropropane

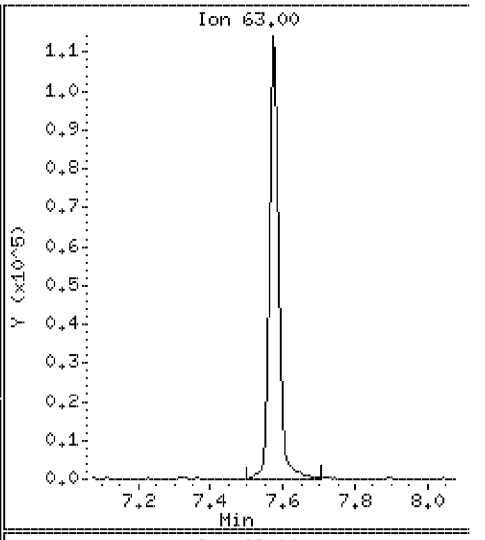
Concentration: 21.2 ug/l

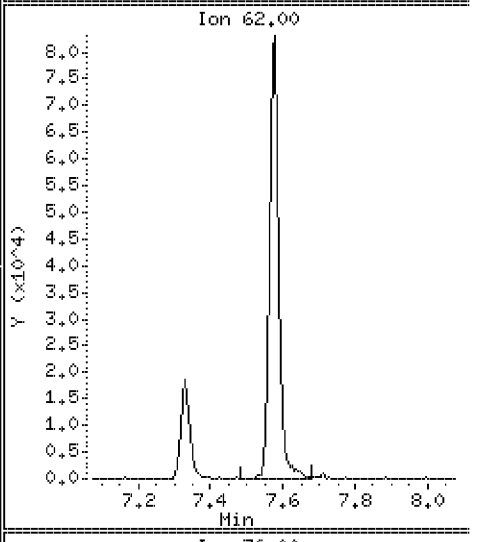


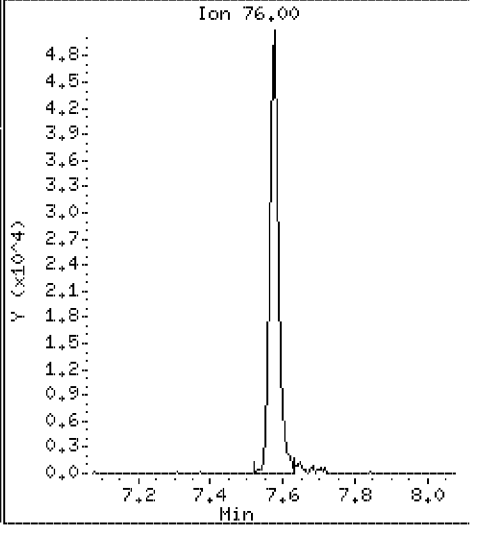












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

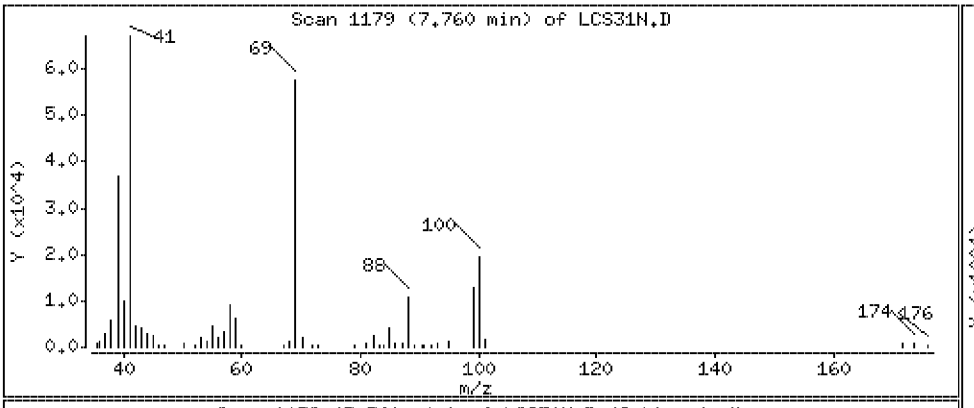
Client ID: 072710LCSA31 Instrument: vms03.i

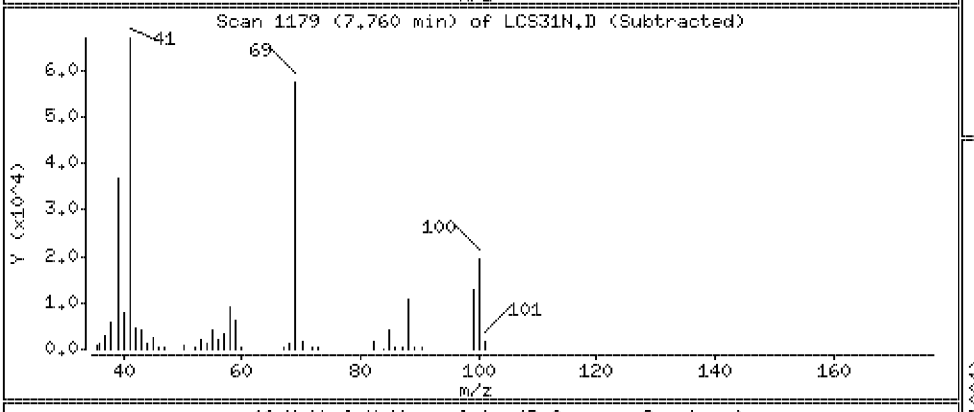
Sample Info: 072710LCSA31

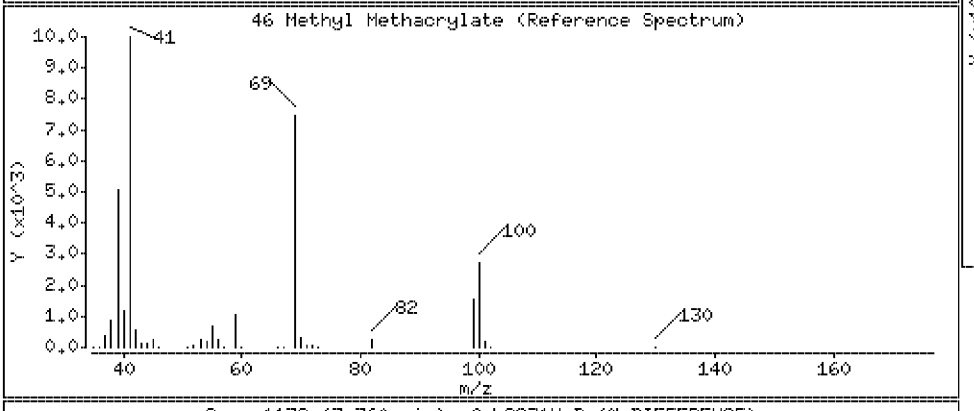
Purge Volume: 5.0 Operator:

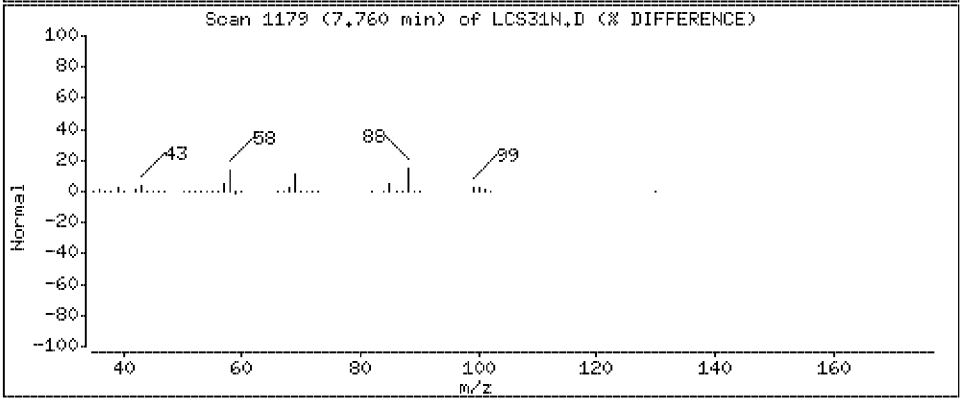
Column phase: RTX-502.2 Column diameter: 0.18

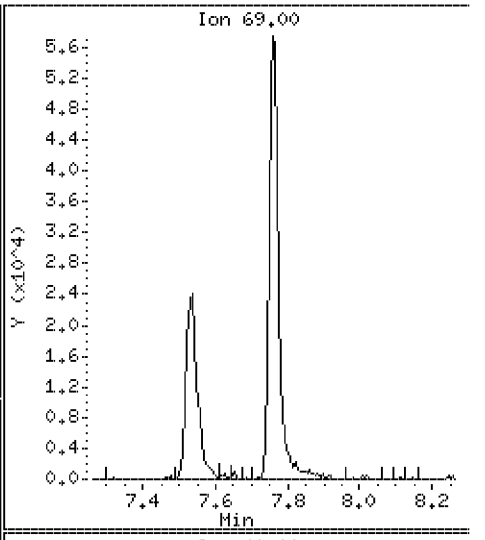
46 Methyl Methacrylate Concentration: 18.7 ug/l

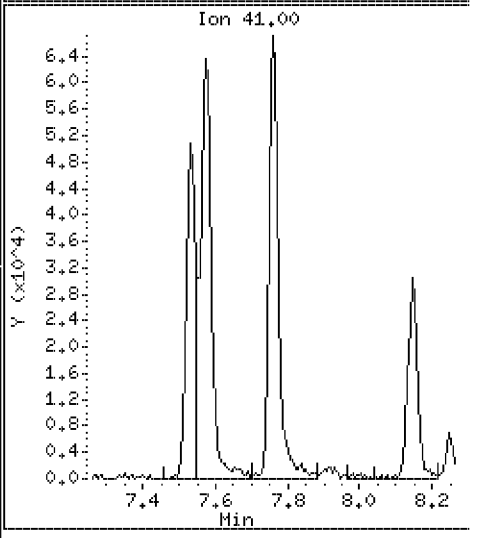












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

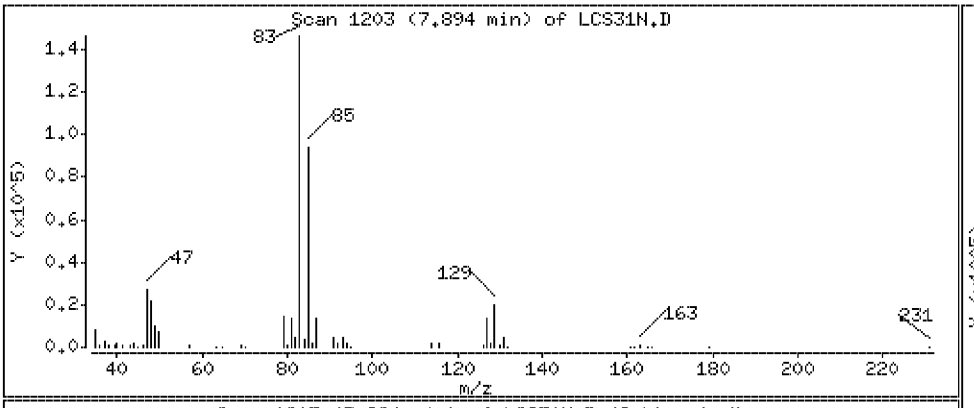
Operator:

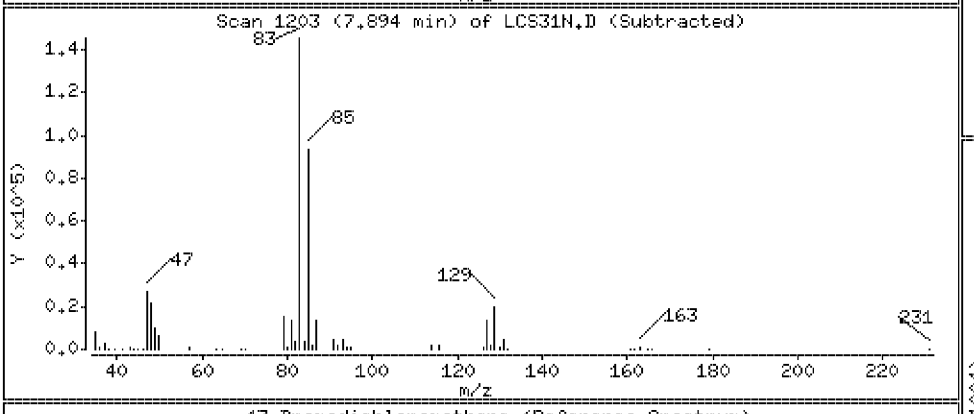
Column phase: RTX-502.2

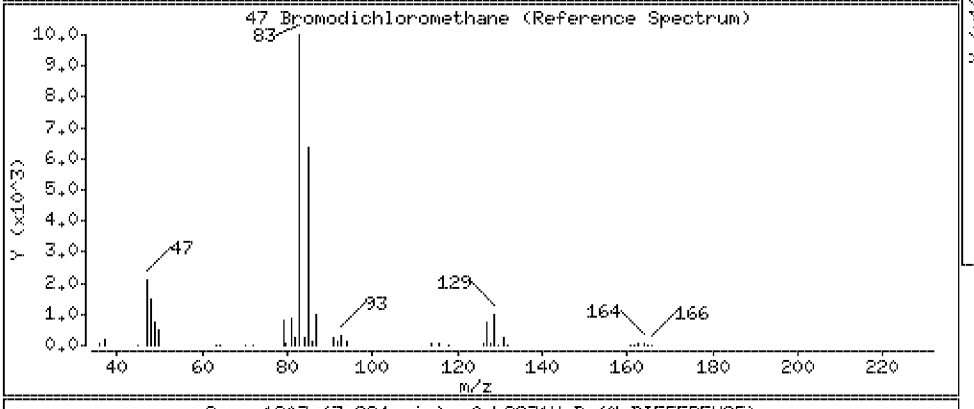
Column diameter: 0.18

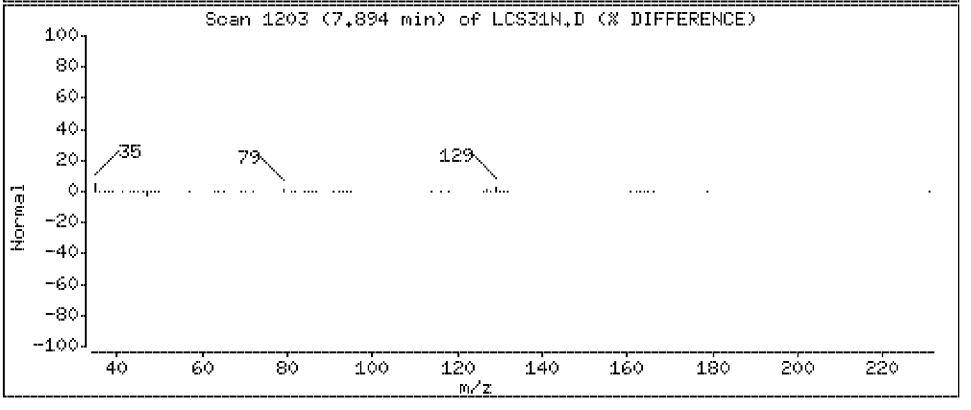
47 Bromodichloromethane

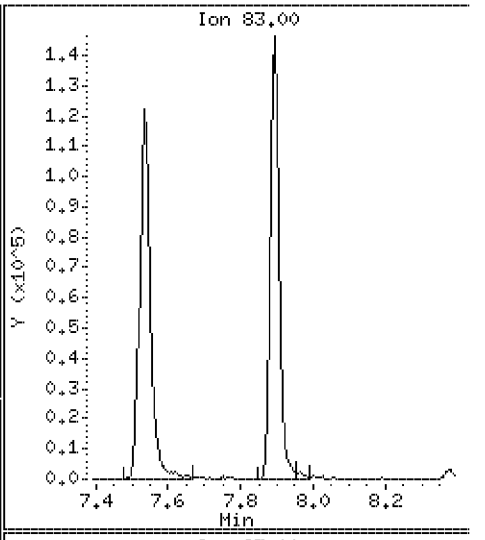
Concentration: 19.4 ug/l

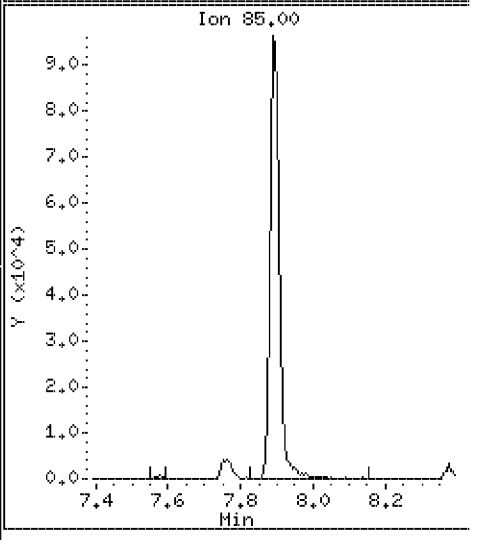












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

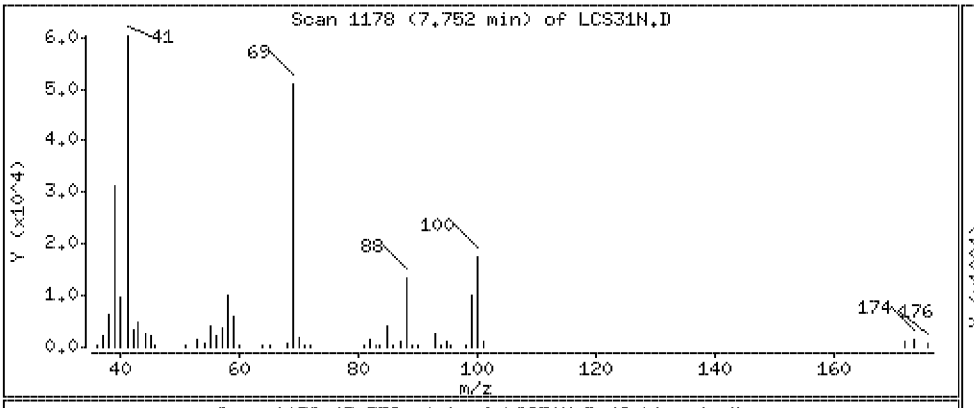
Client ID: 072710LCSA31 Instrument: vms03.i

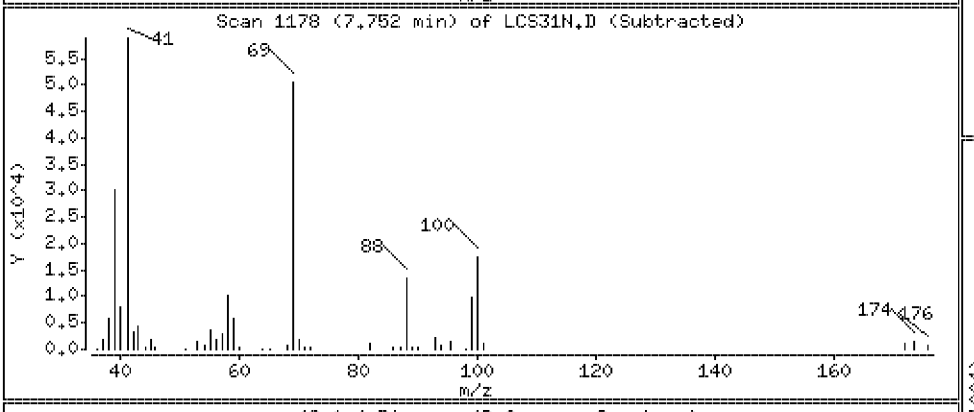
Sample Info: 072710LCSA31

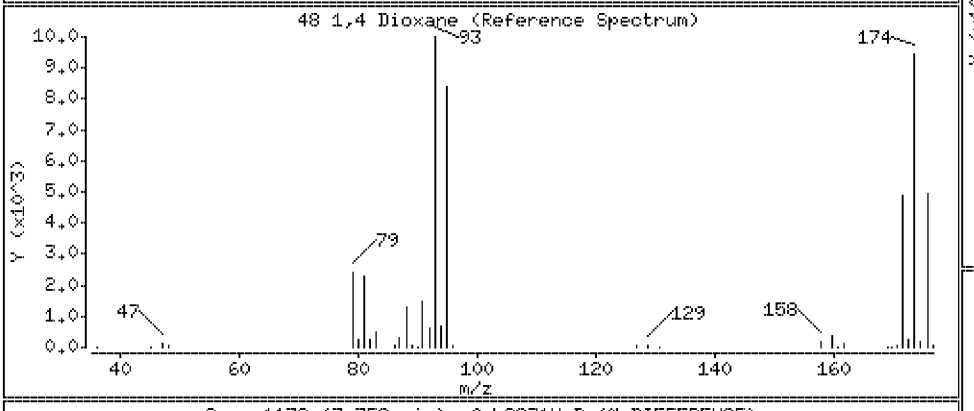
Purge Volume: 5.0 Operator:

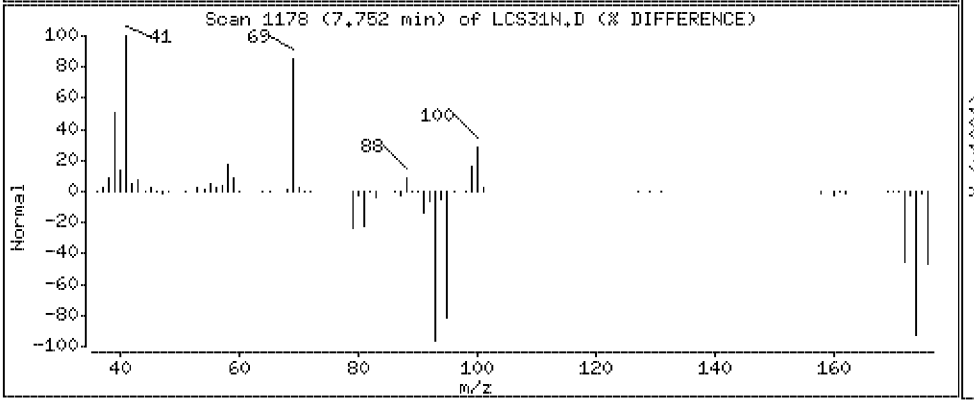
Column phase: RTX-502.2 Column diameter: 0.18

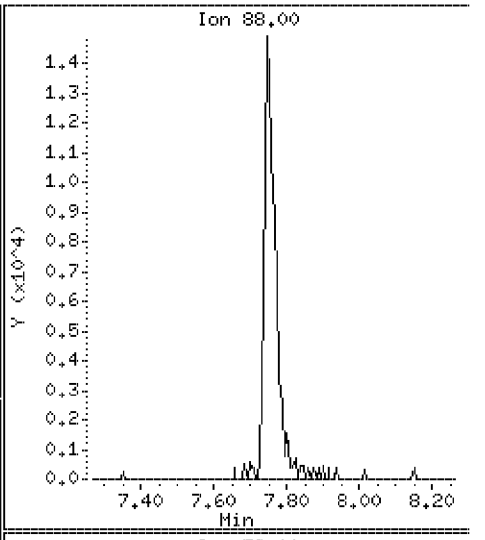
48 1,4 Dioxane Concentration: 444 ug/l

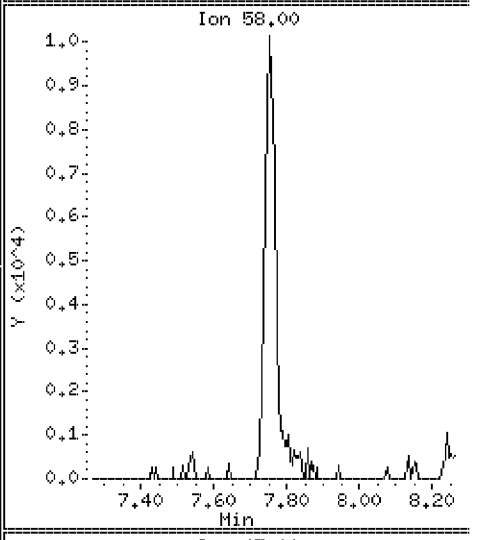


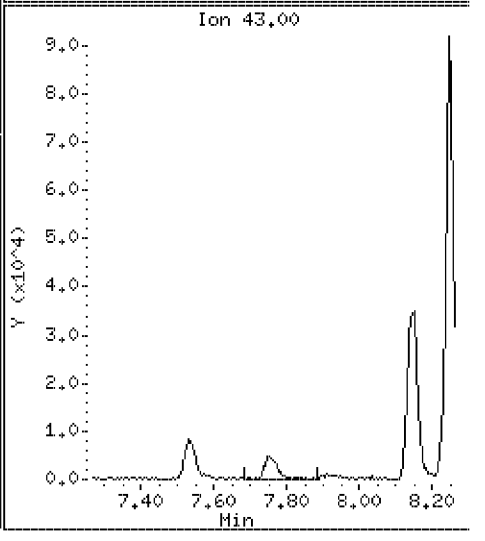












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

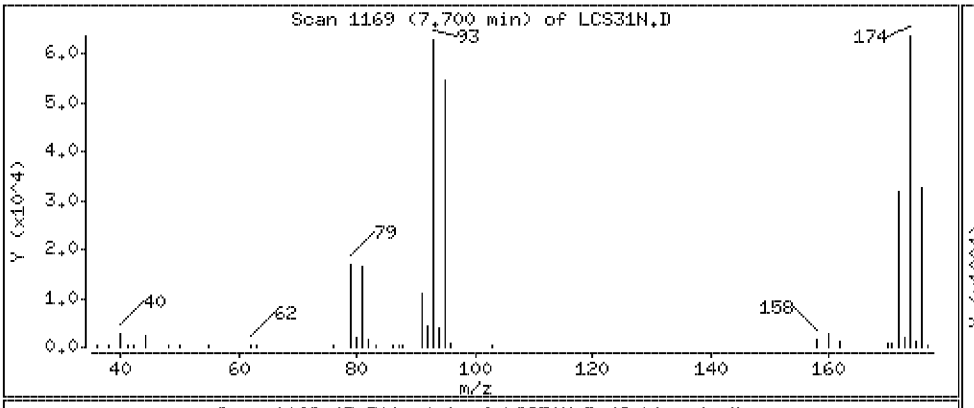
Operator:

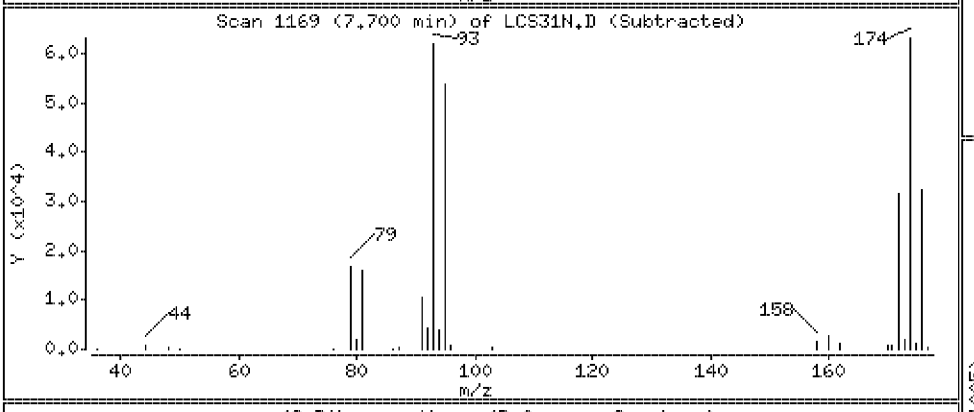
Column phase: RTX-502.2

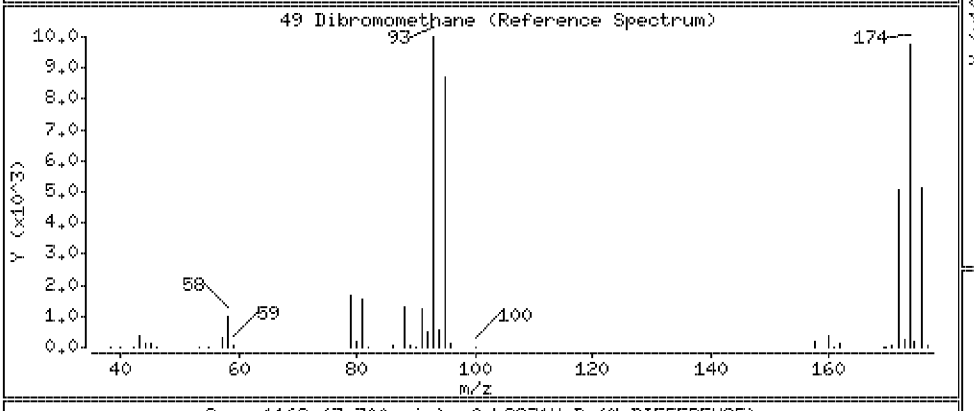
Column diameter: 0.18

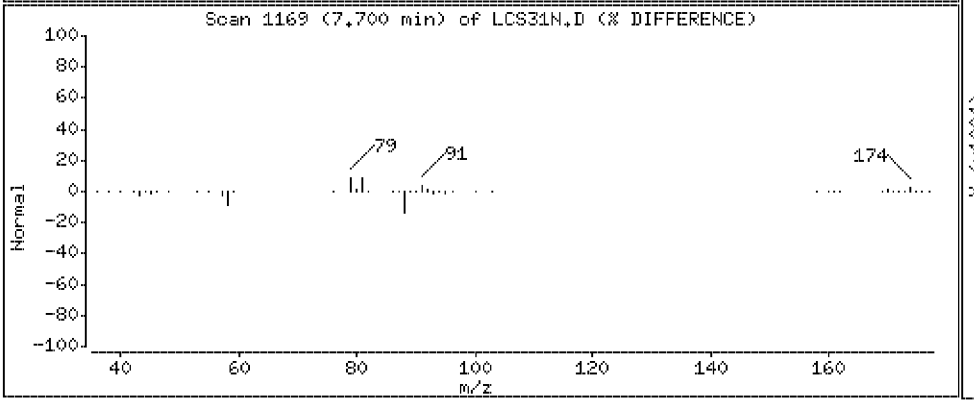
49 Dibromomethane

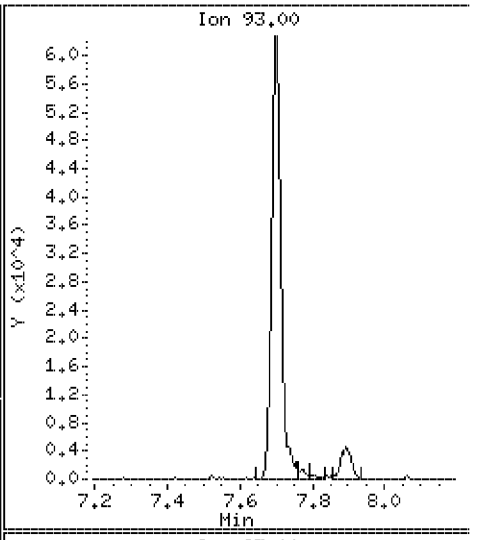
Concentration: 19.2 ug/l

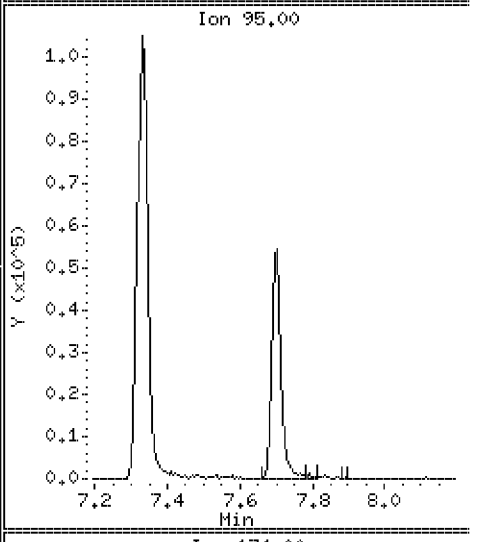


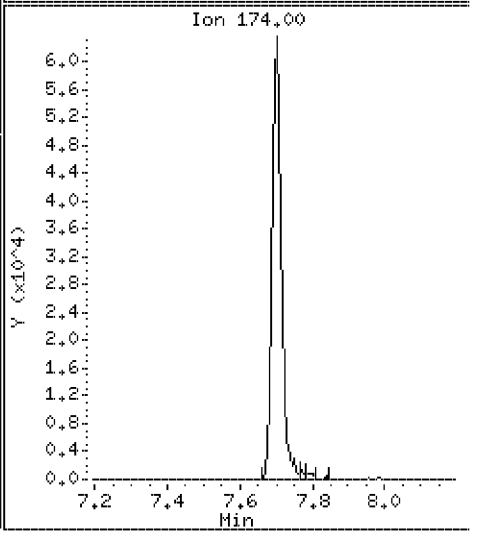












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

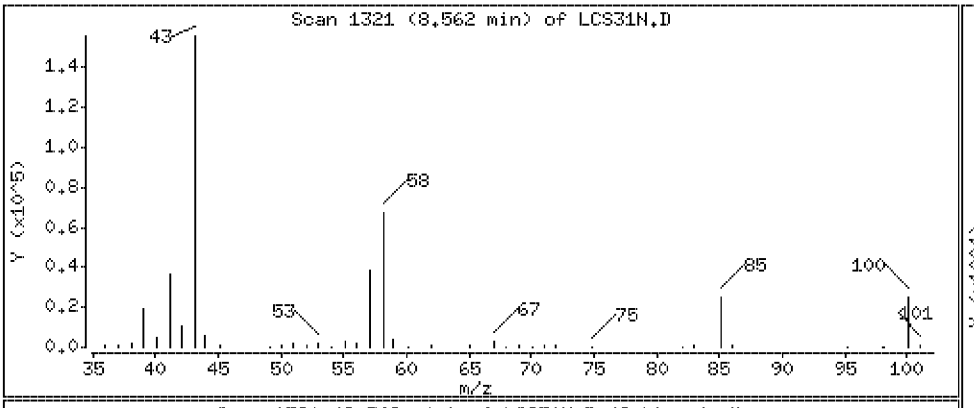
Operator:

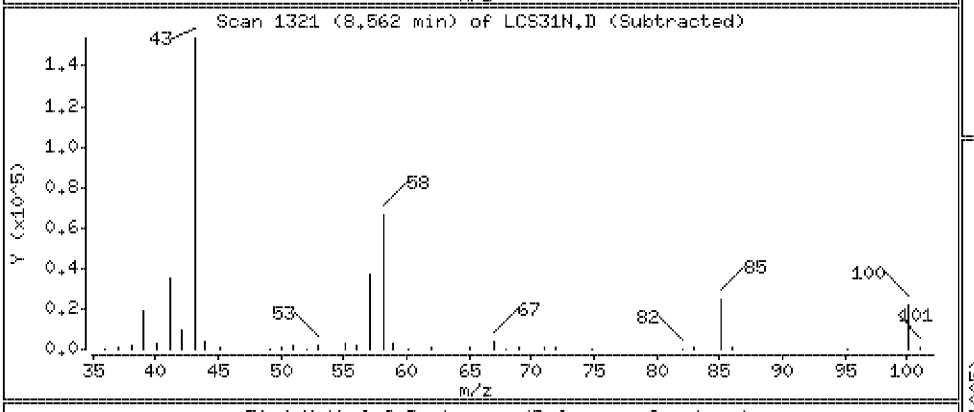
Column phase: RTX-502.2

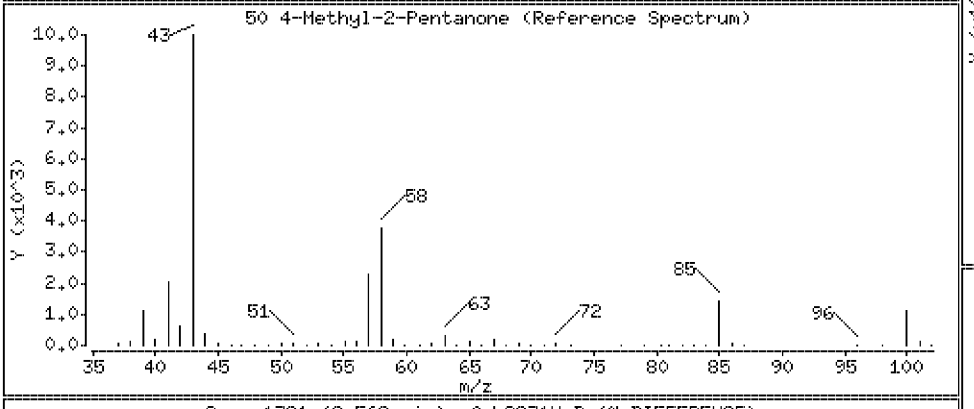
Column diameter: 0.18

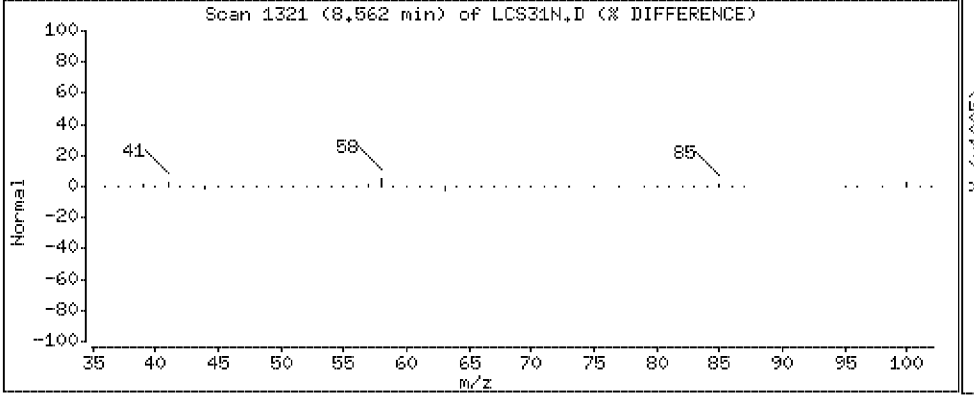
50 4-Methyl-2-Pentanone

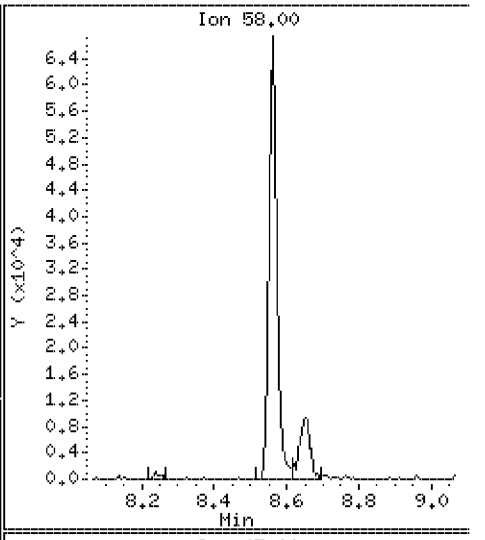
Concentration: 39.3 ug/l

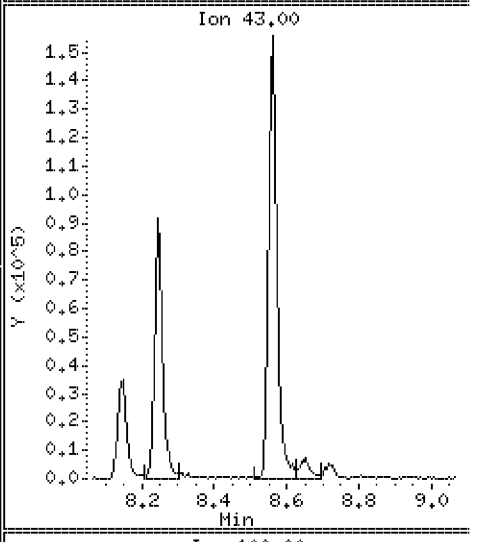


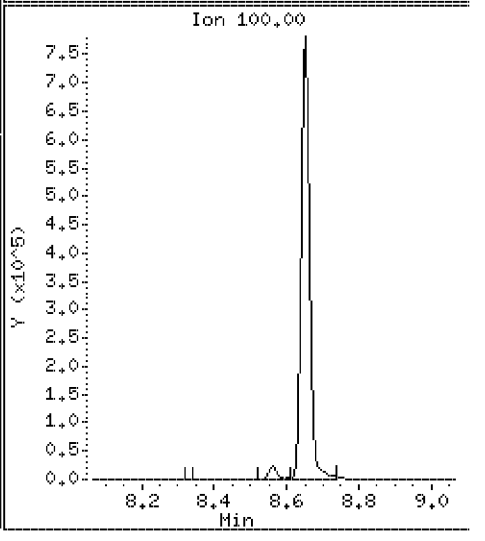












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

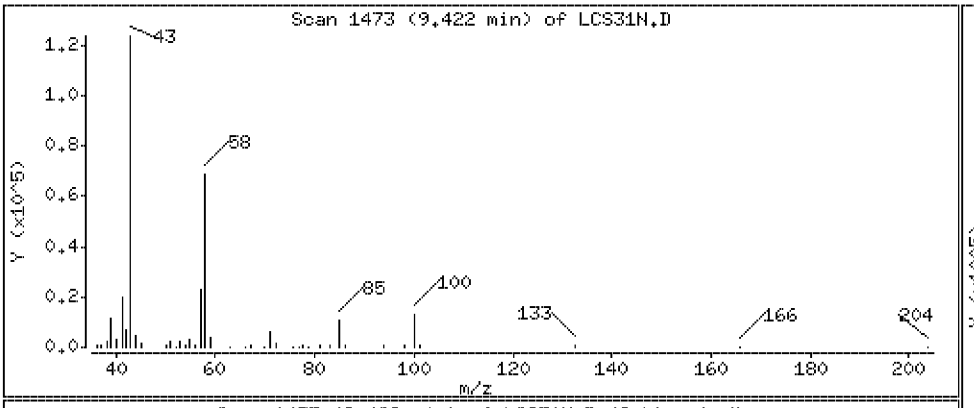
Operator:

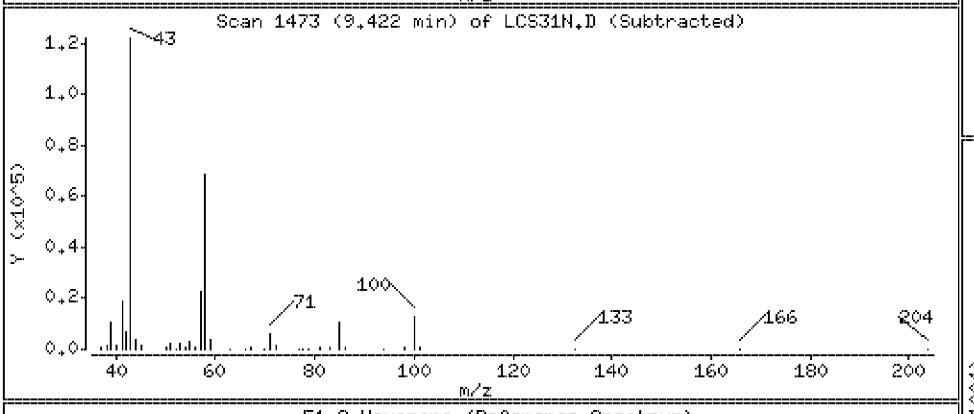
Column phase: RTX-502.2

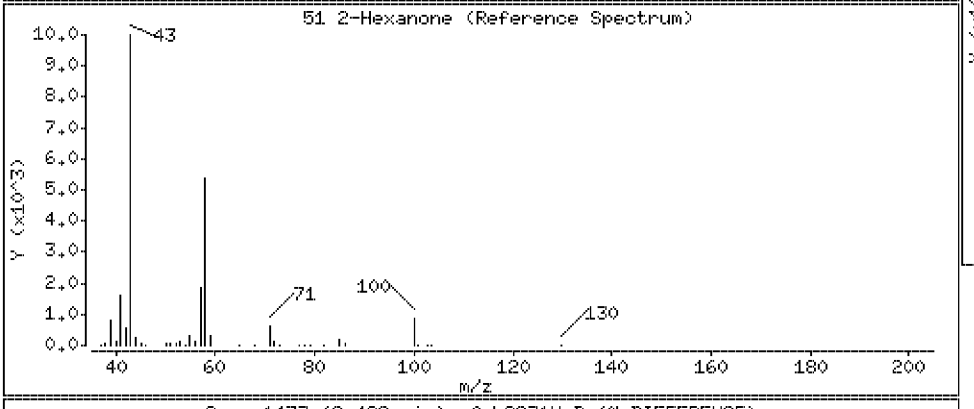
Column diameter: 0.18

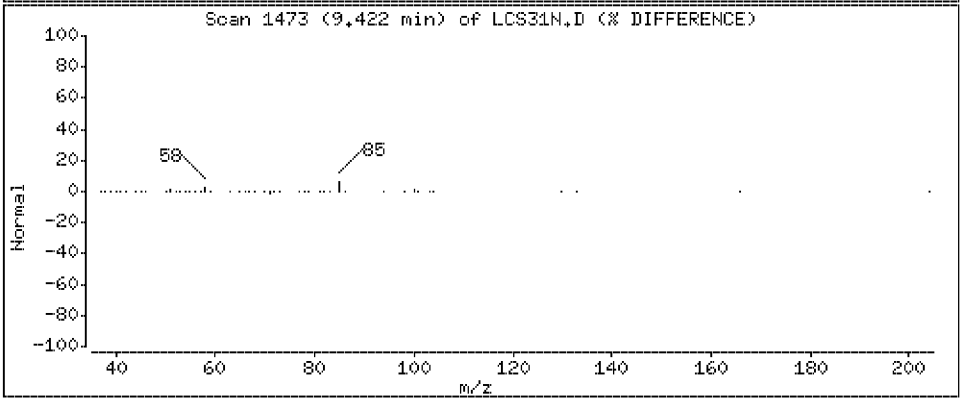
51 2-Hexanone

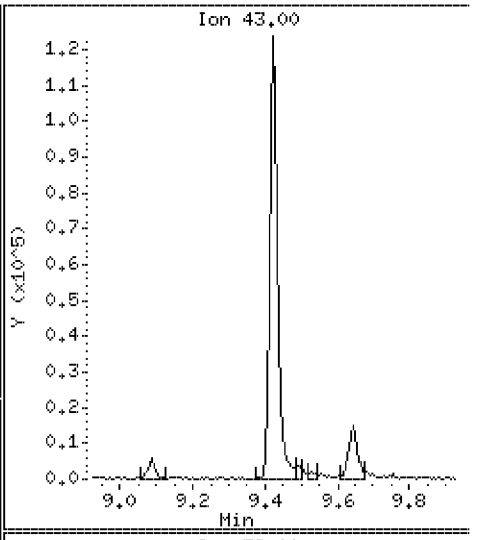
Concentration: 40.0 ug/l

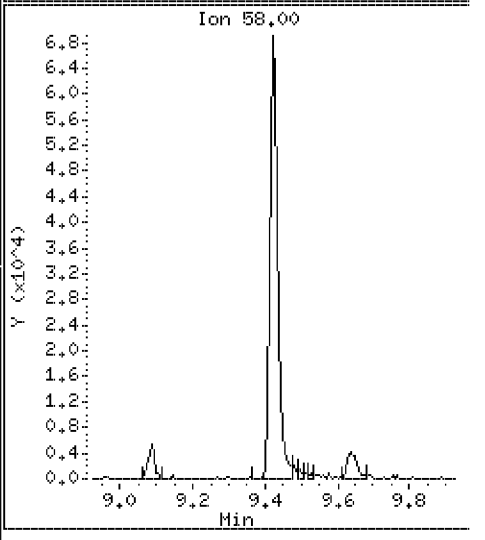












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

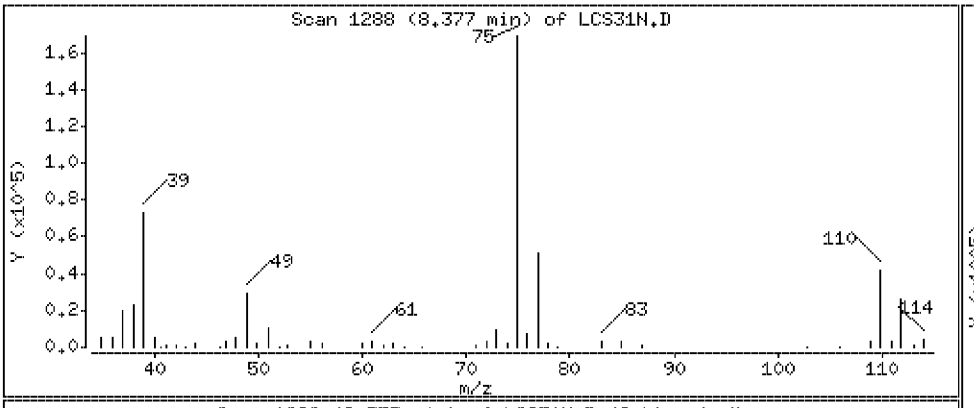
Operator:

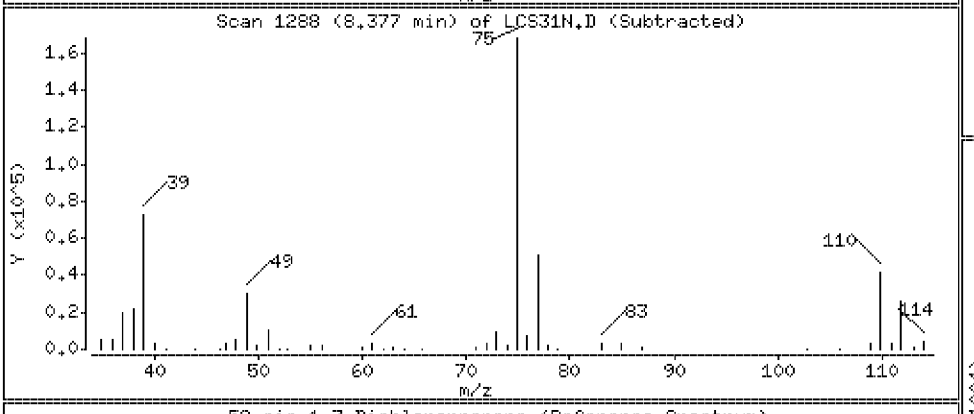
Column phase: RTX-502.2

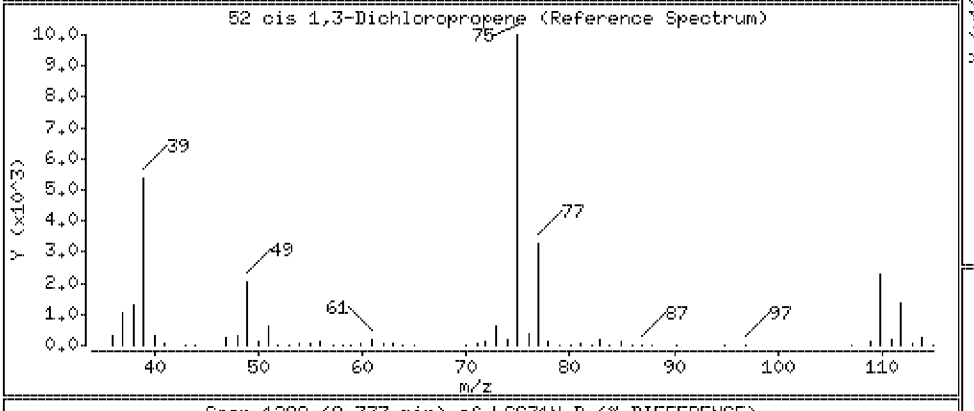
Column diameter: 0.18

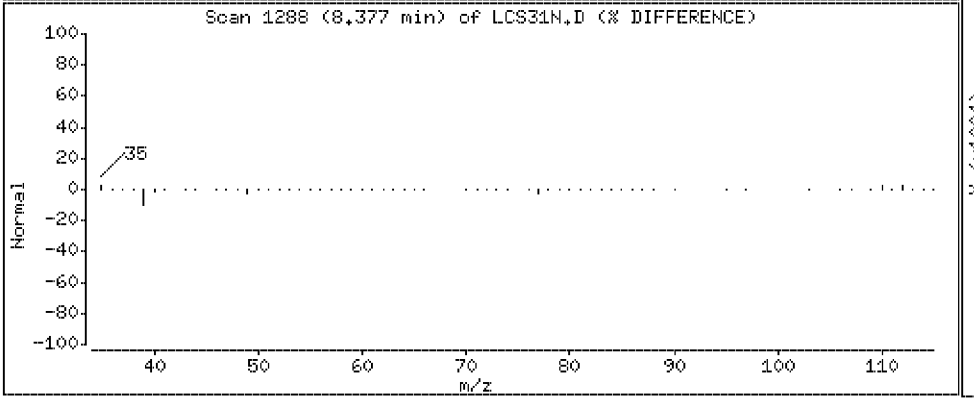
52 cis 1,3-Dichloropropene

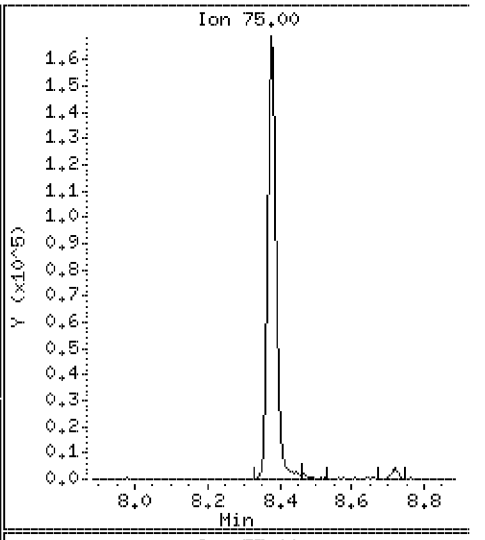
Concentration: 20.7 ug/l

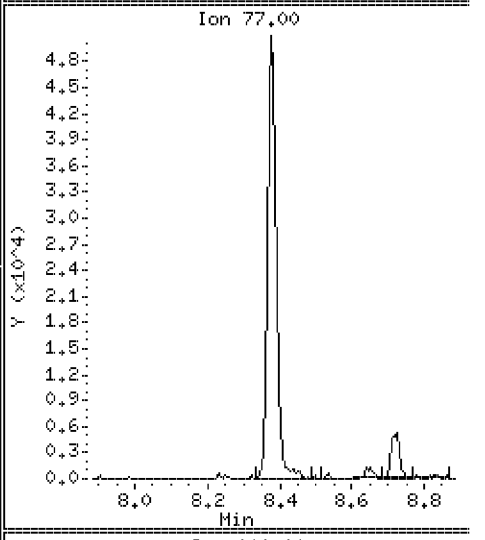


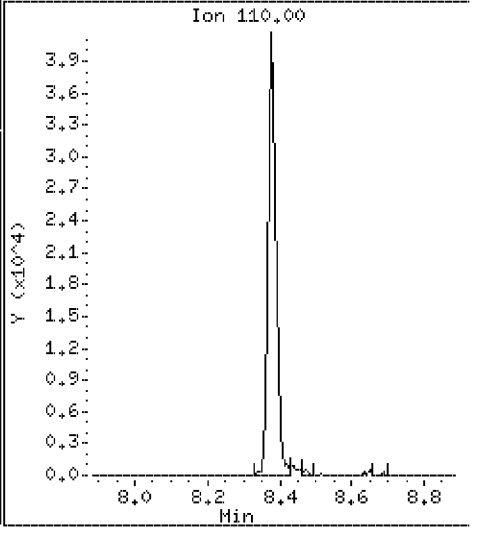












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

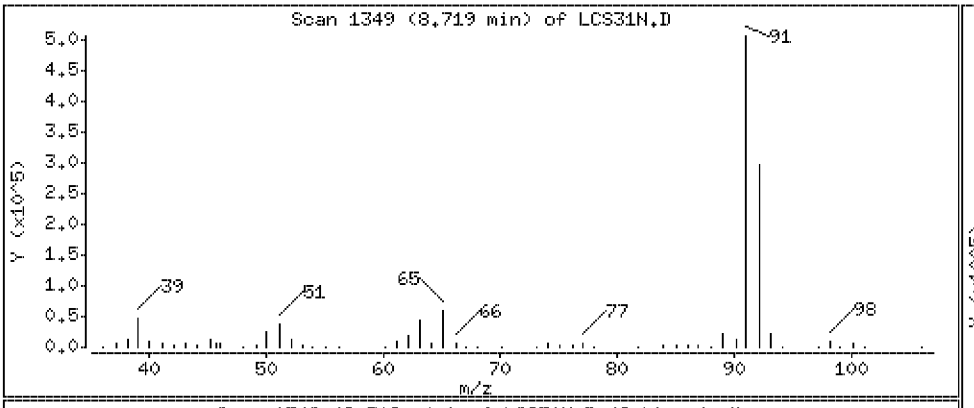
Client ID: 072710LCSA31 Instrument: vms03.i

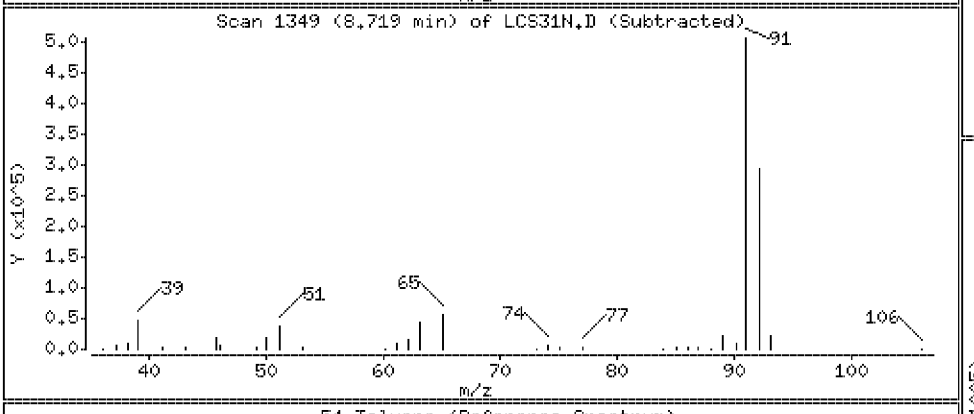
Sample Info: 072710LCSA31

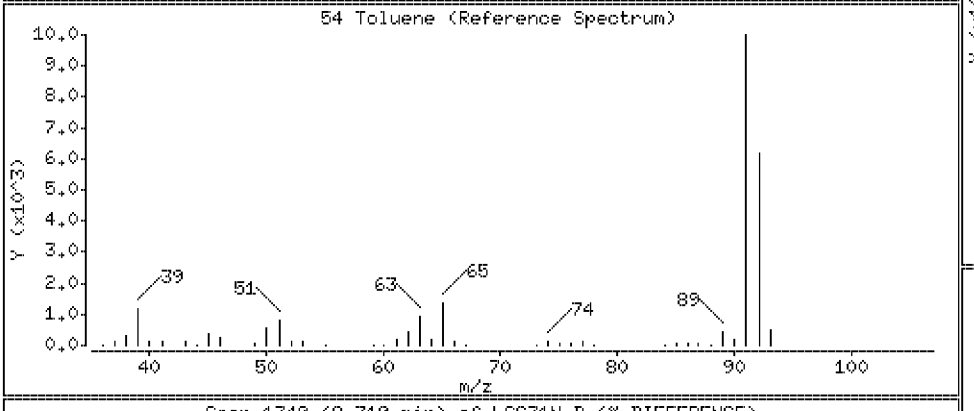
Purge Volume: 5.0 Operator:

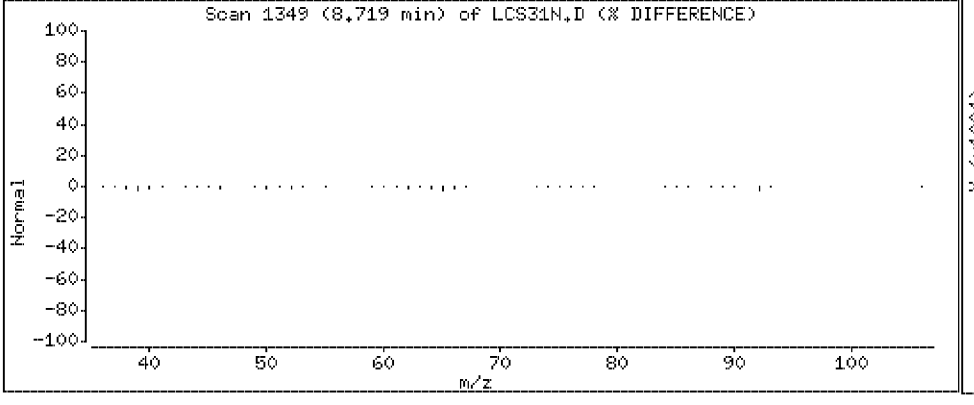
Column phase: RTX-502.2 Column diameter: 0.18

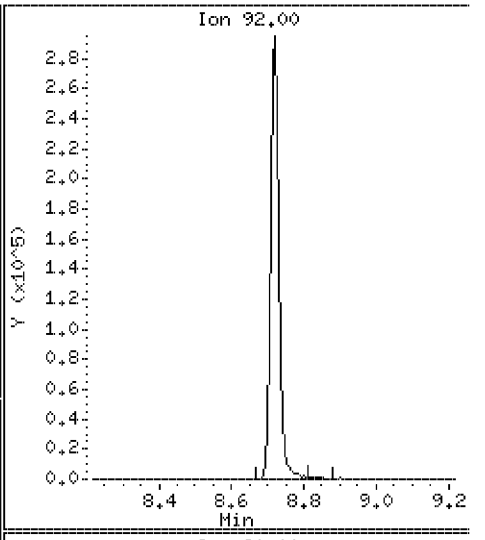
54 Toluene Concentration: 21.4 ug/l

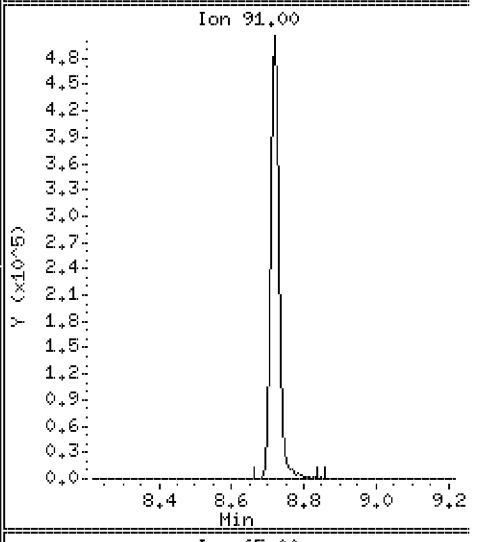


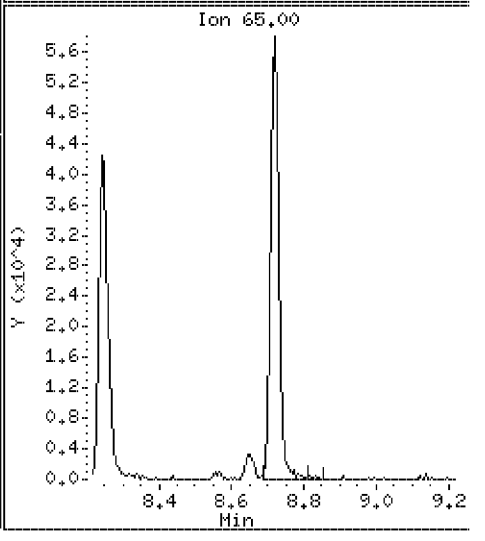












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

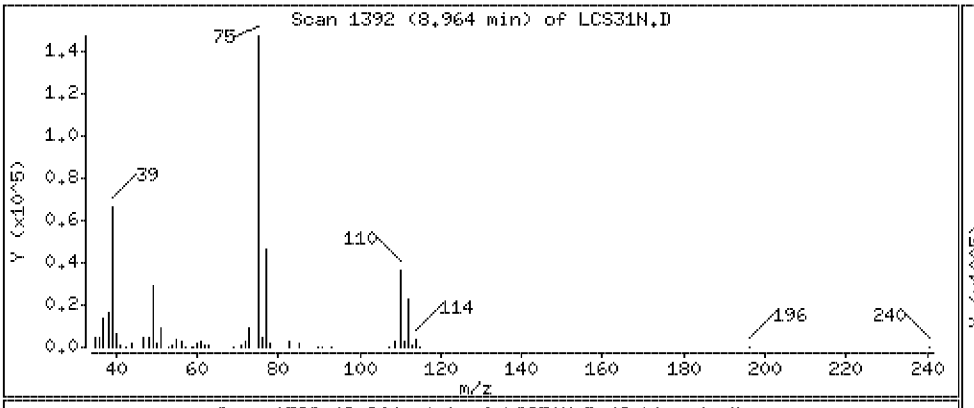
Client ID: 072710LCSA31 Instrument: vms03.i

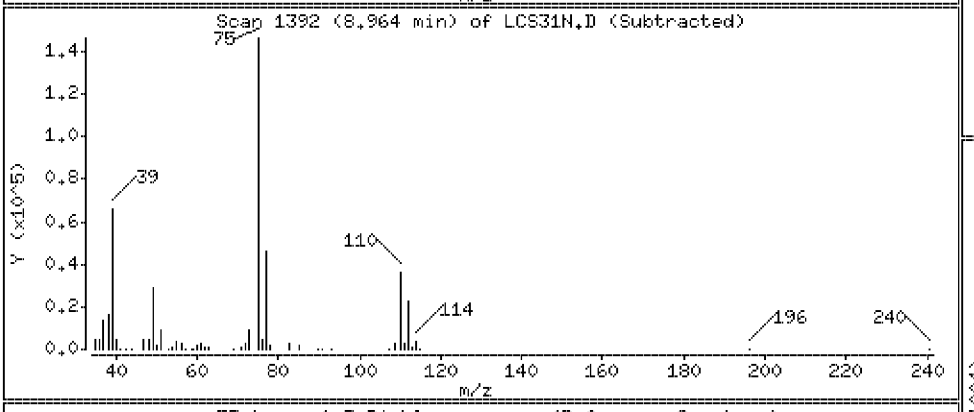
Sample Info: 072710LCSA31

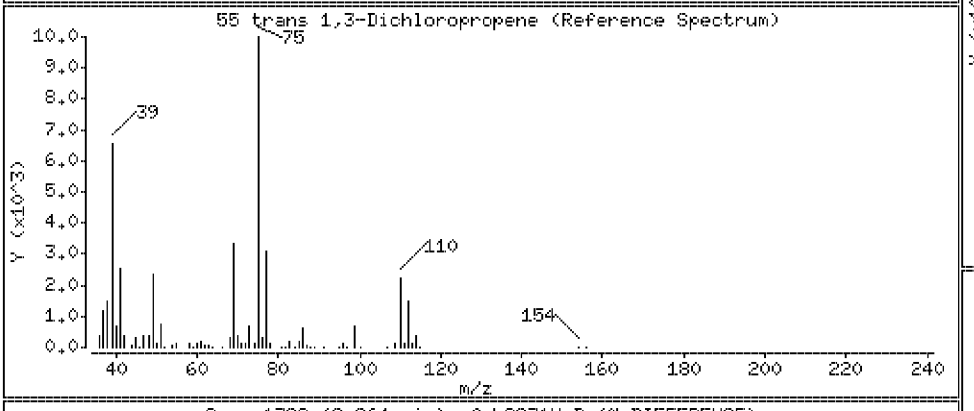
Purge Volume: 5.0 Operator:

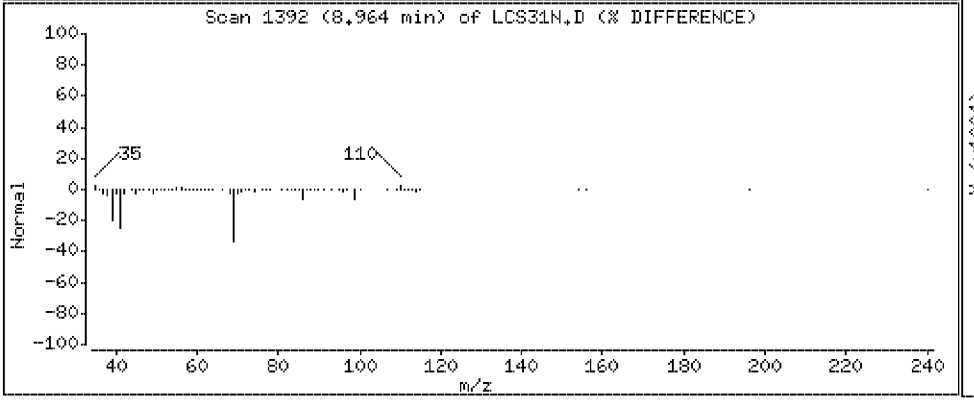
Column phase: RTX-502.2 Column diameter: 0.18

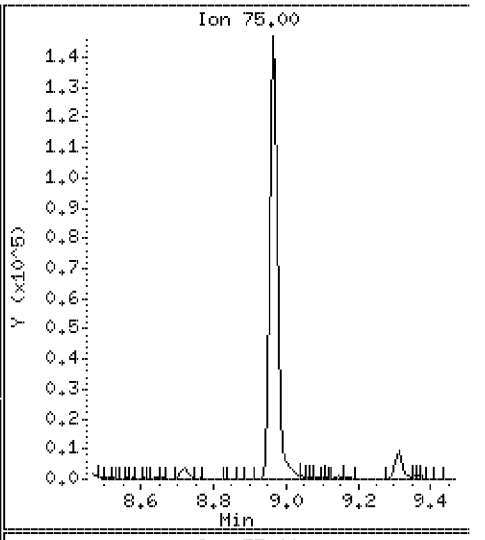
55 trans 1,3-Dichloropropene Concentration: 18.5 ug/l

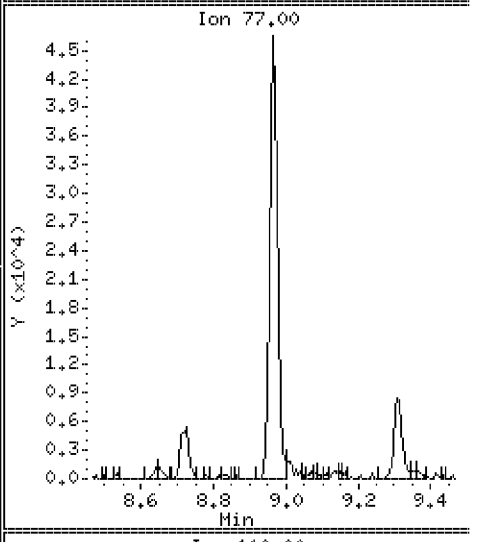


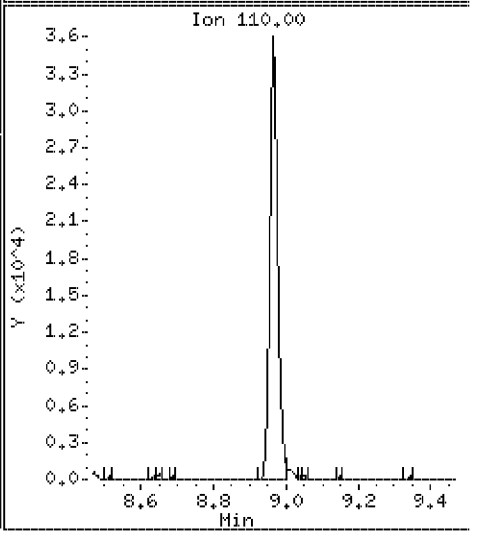












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

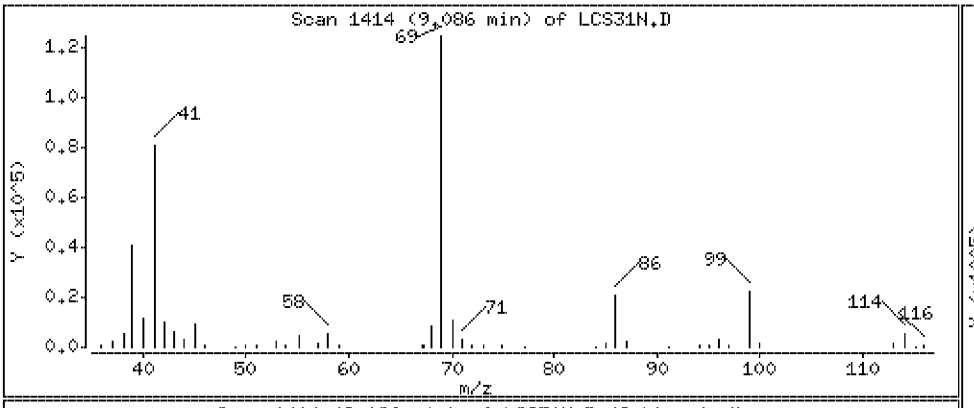
Operator:

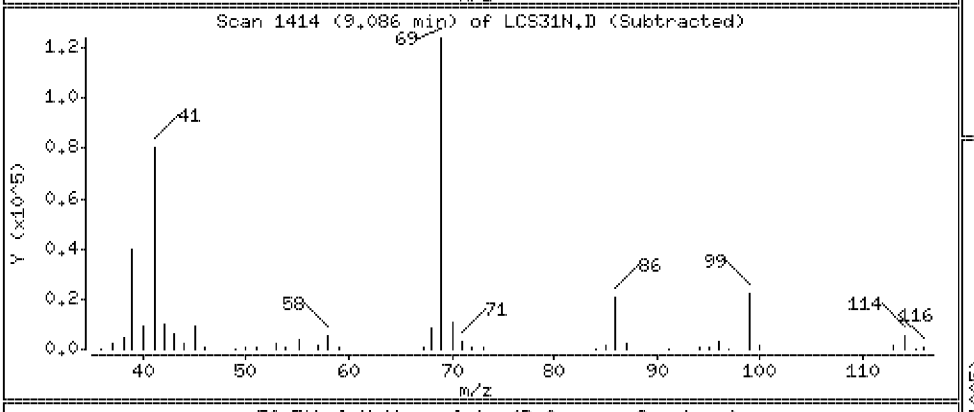
Column phase: RTX-502.2

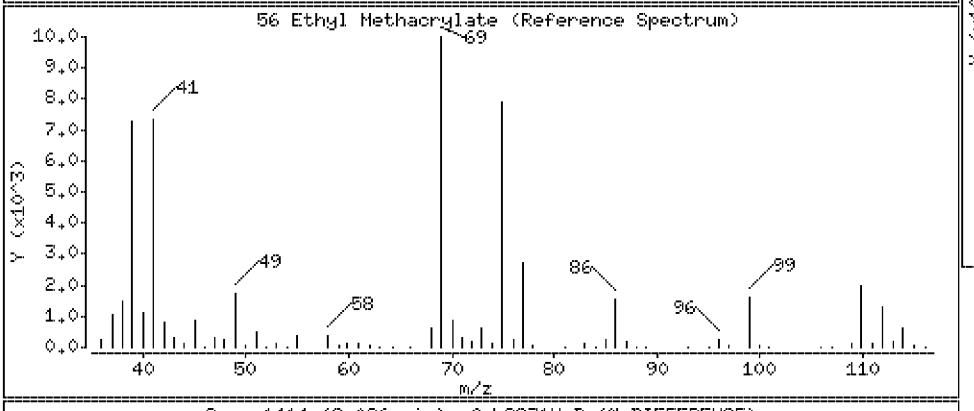
Column diameter: 0.18

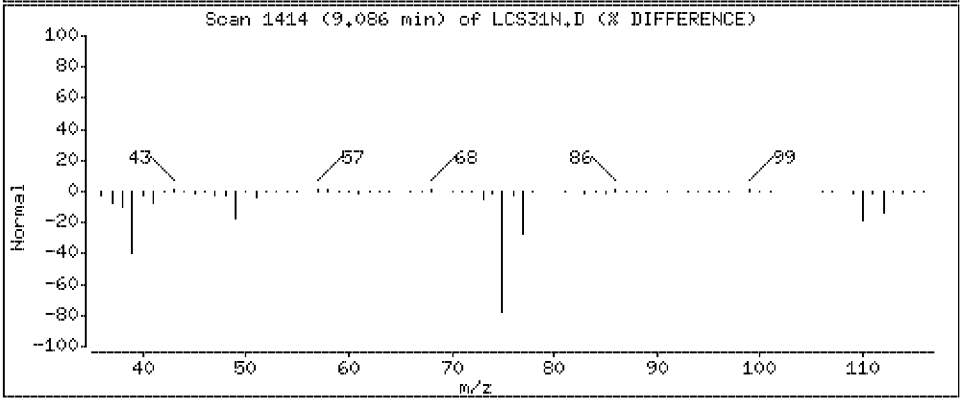
56 Ethyl Methacrylate

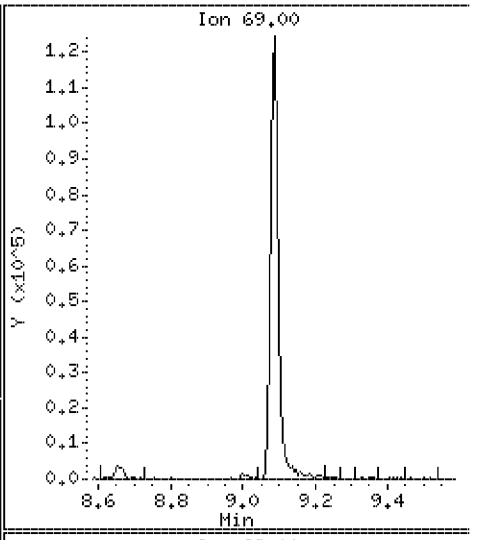
Concentration: 18.1 ug/l

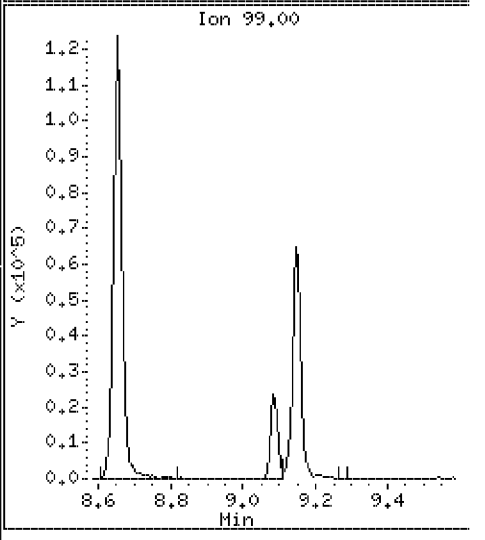












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

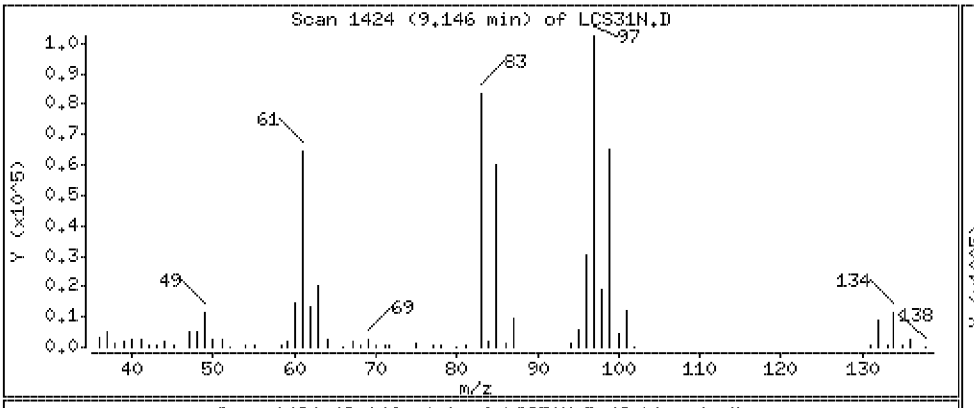
Operator:

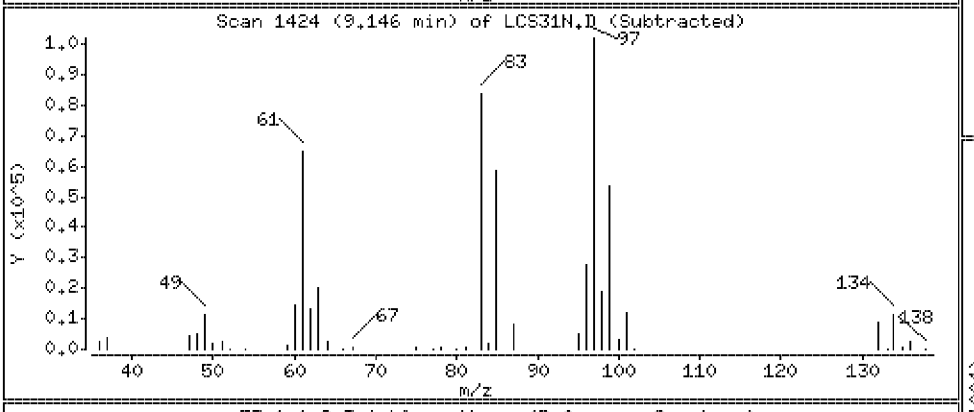
Column phase: RTX-502.2

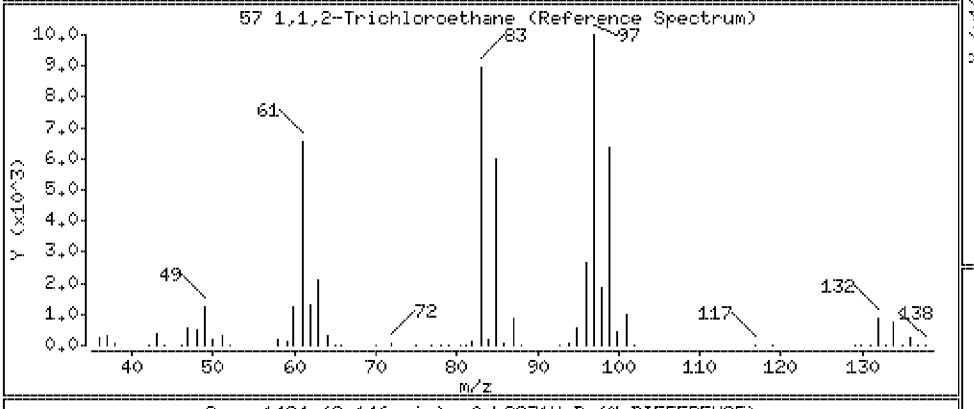
Column diameter: 0.18

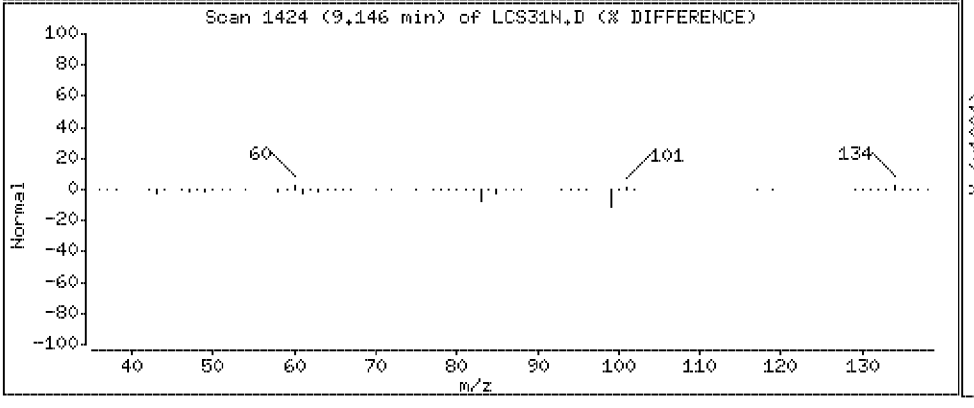
57 1,1,2-Trichloroethane

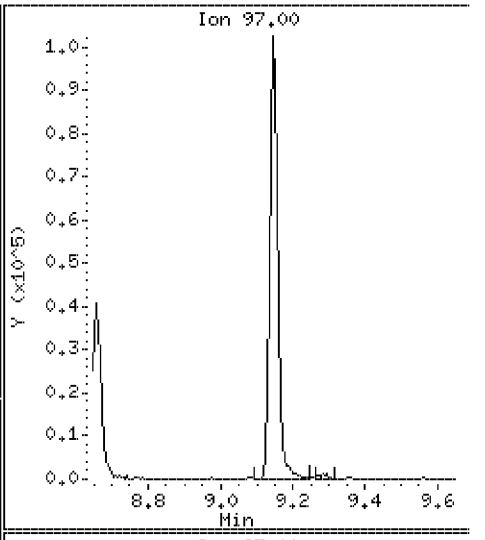
Concentration: 19.6 ug/l

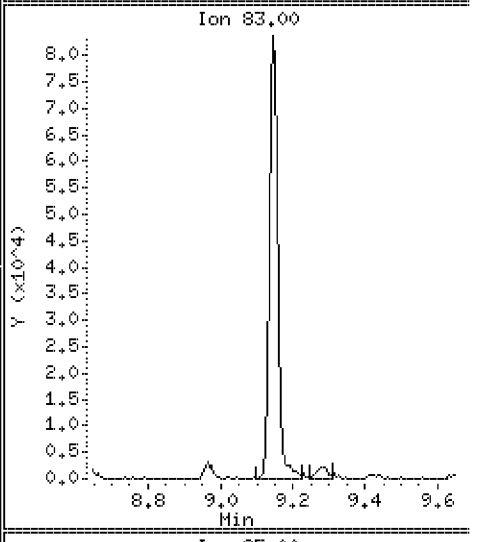


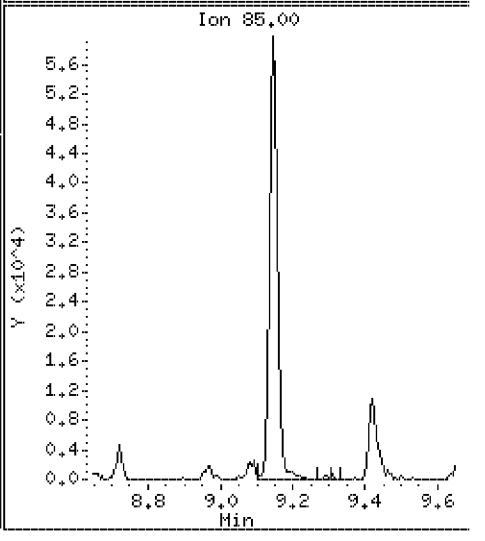












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

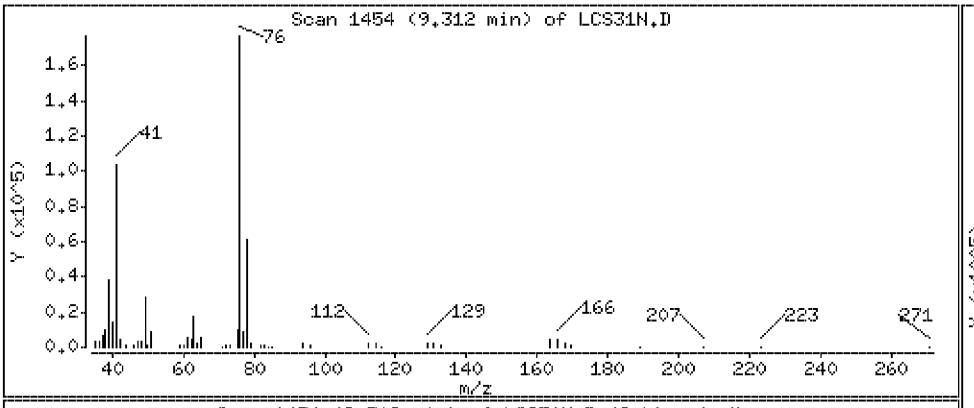
Operator:

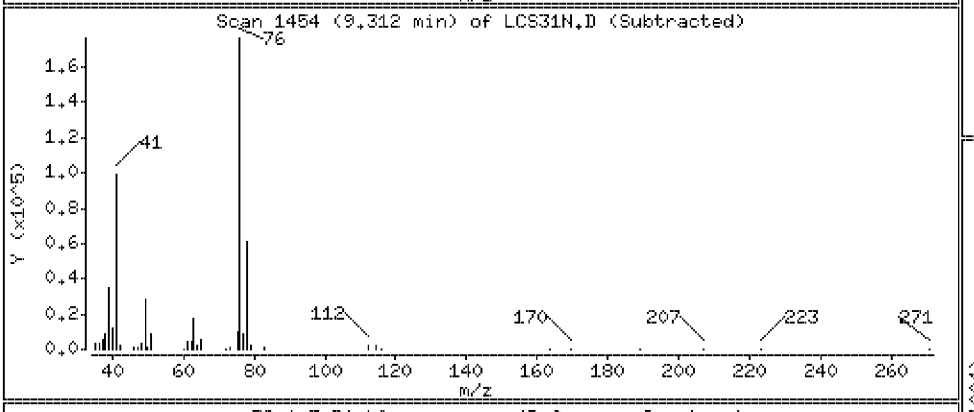
Column phase: RTX-502.2

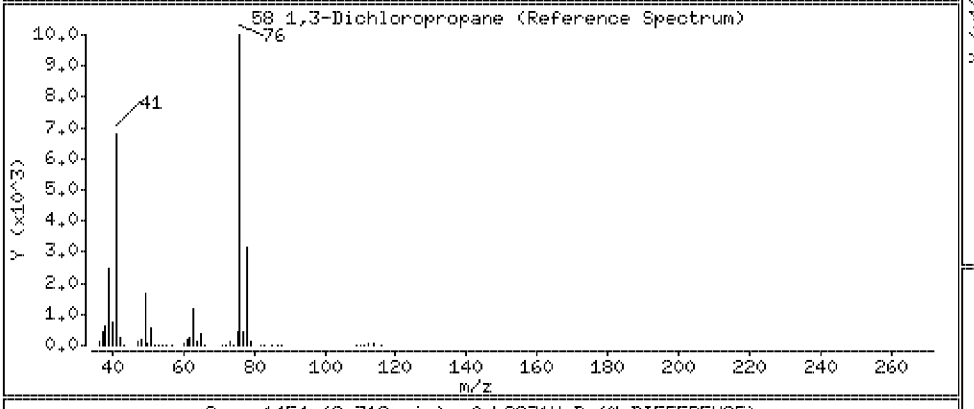
Column diameter: 0.18

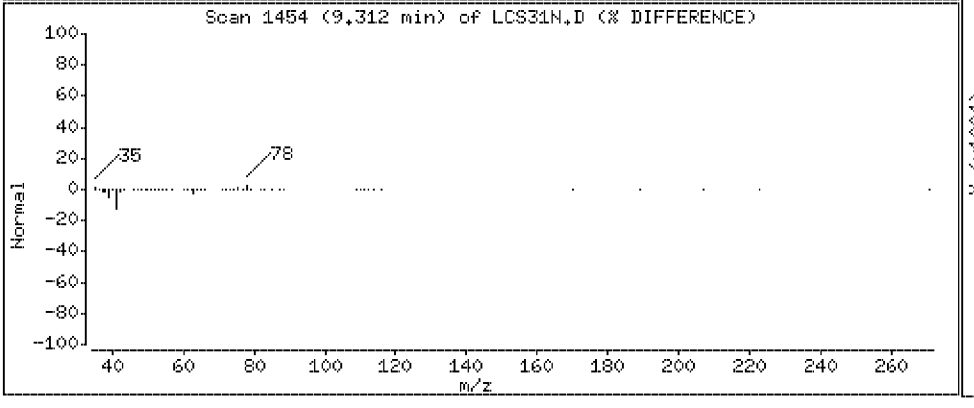
58 1,3-Dichloropropane

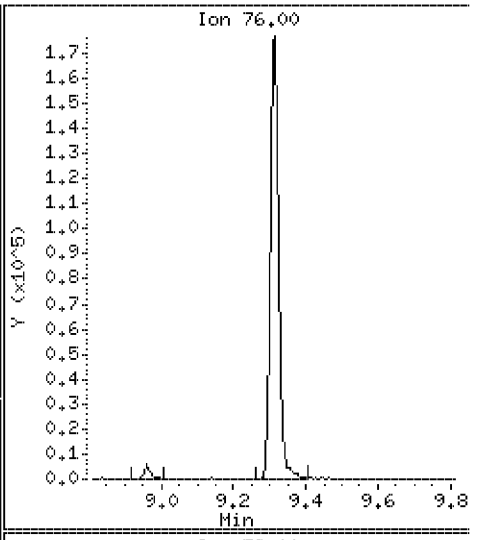
Concentration: 20.0 ug/l

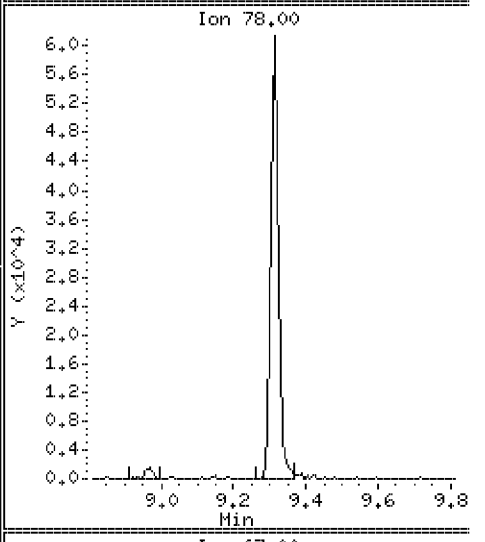


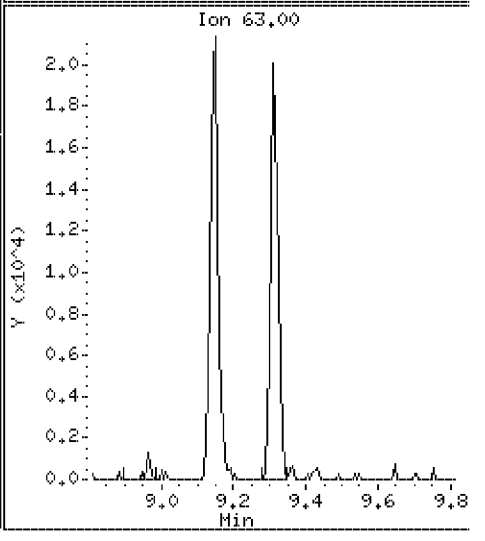












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

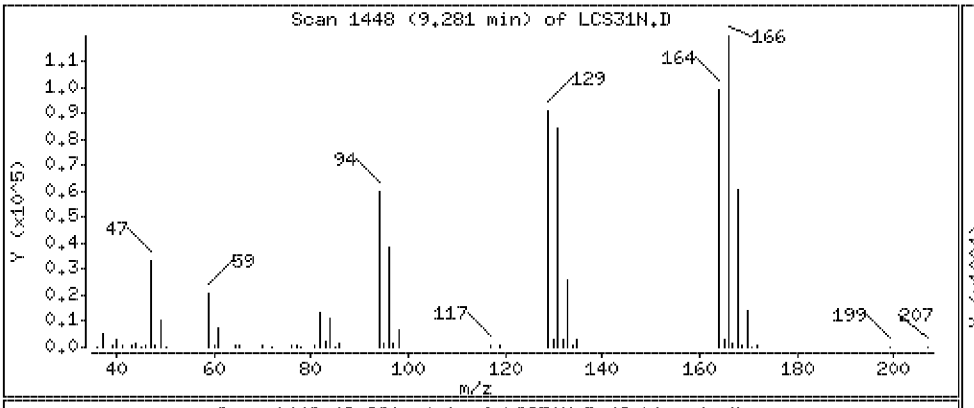
Operator:

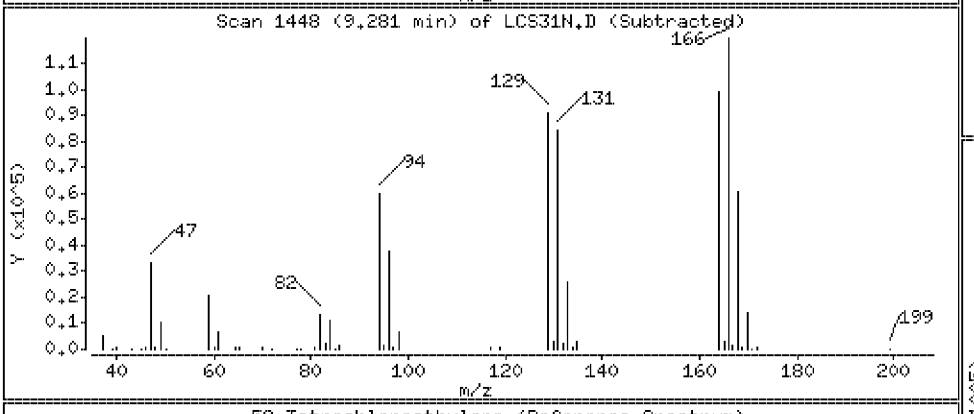
Column phase: RTX-502.2

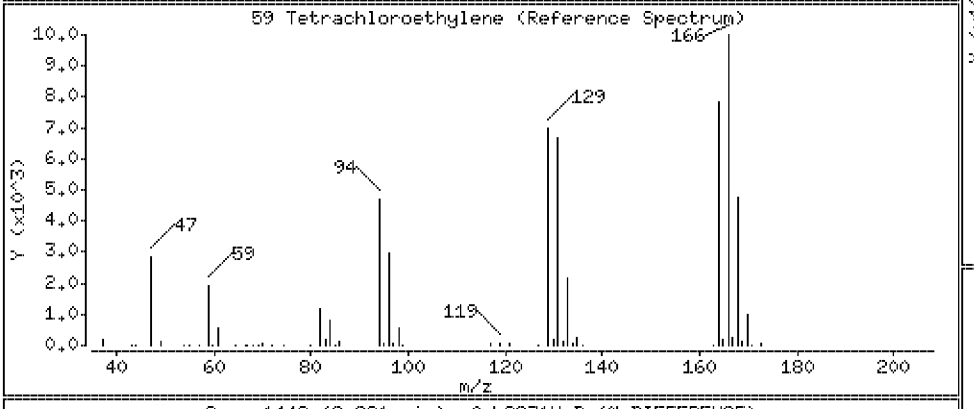
Column diameter: 0.18

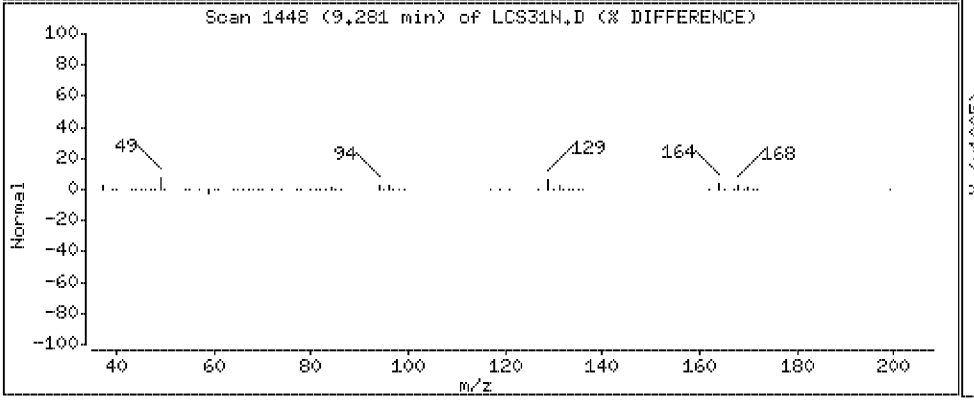
59 Tetrachloroethylene

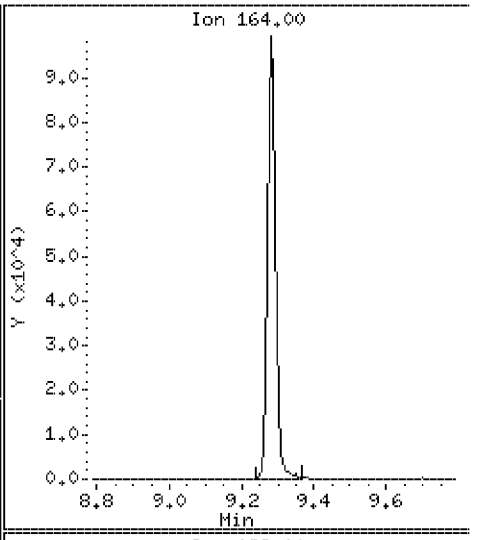
Concentration: 21.4 ug/l

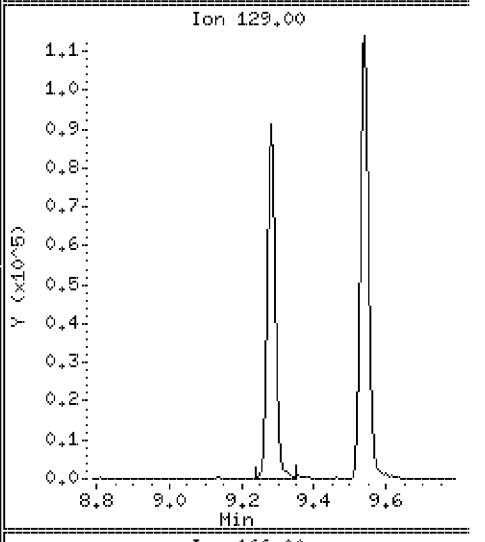


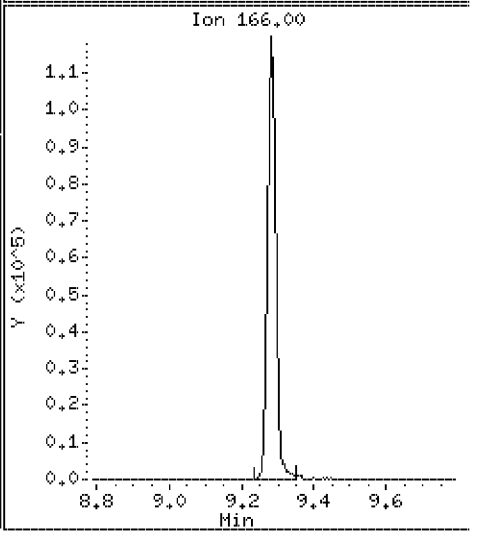












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

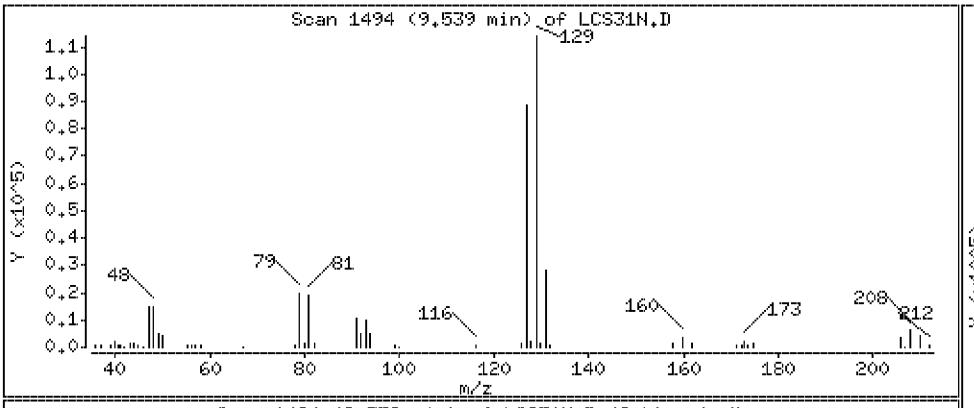
Client ID: 072710LCSA31 Instrument: vms03.i

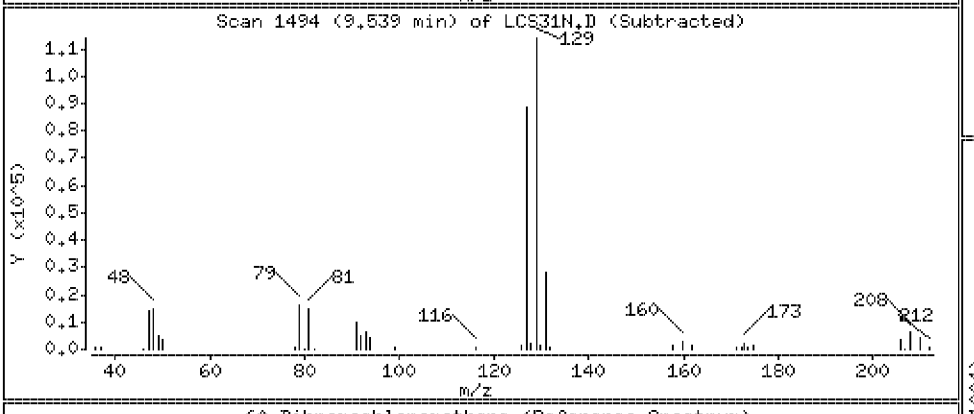
Sample Info: 072710LCSA31

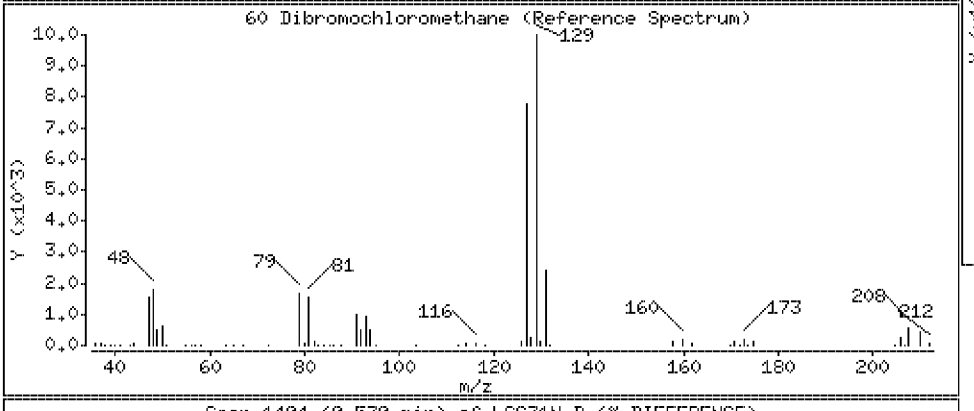
Purge Volume: 5.0 Operator:

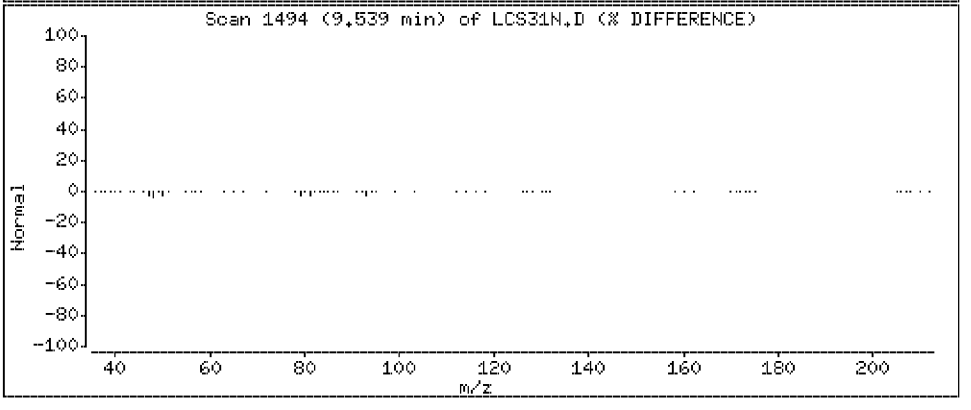
Column phase: RTX-502.2 Column diameter: 0.18

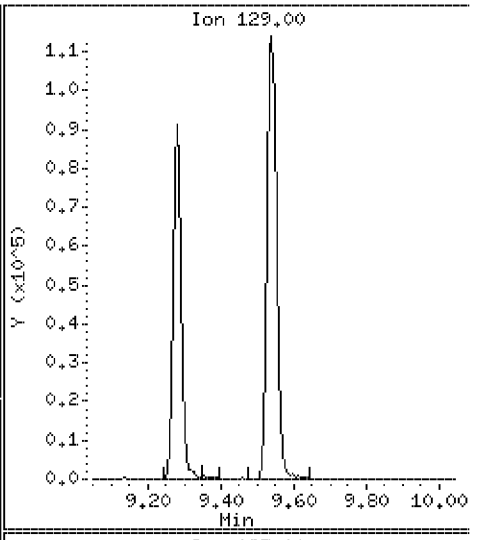
60 Dibromochloromethane Concentration: 19.8 ug/l

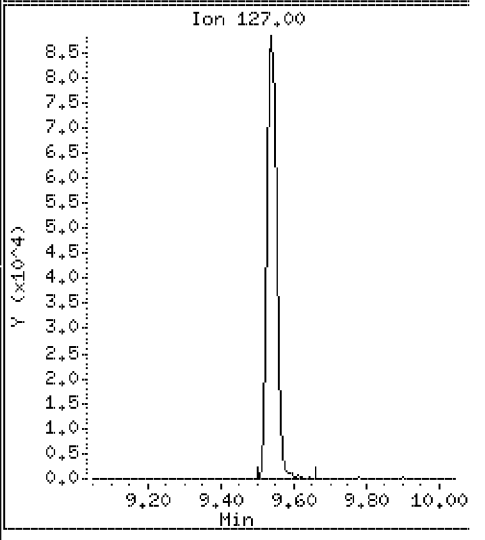












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

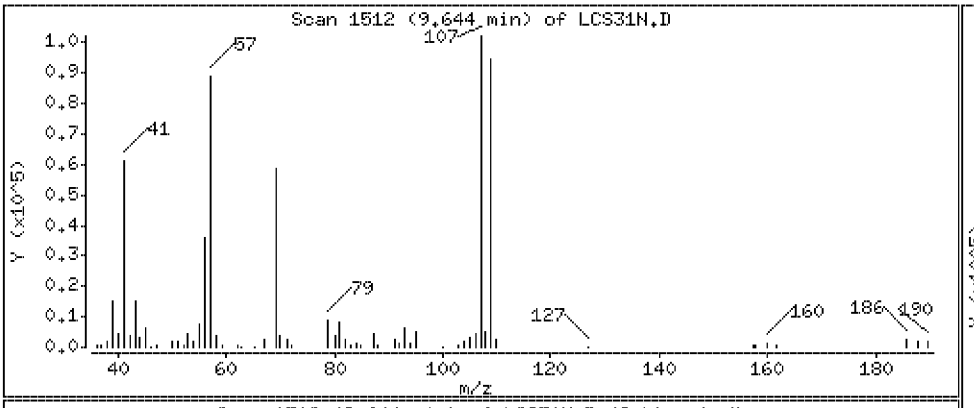
Operator:

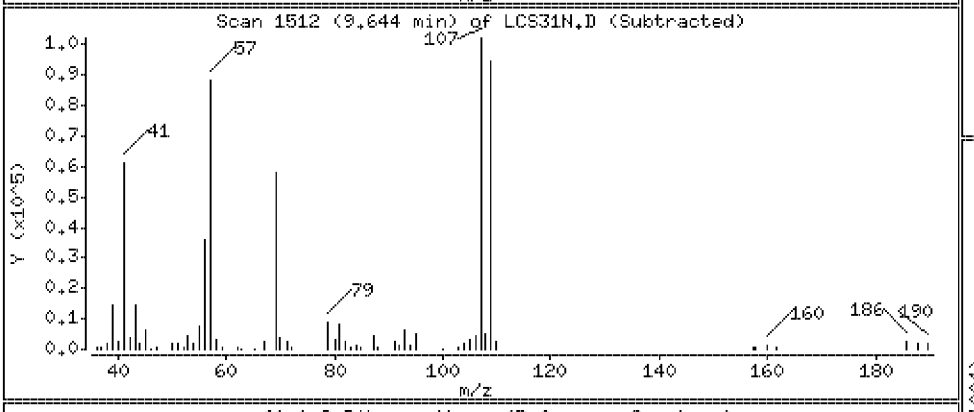
Column phase: RTX-502.2

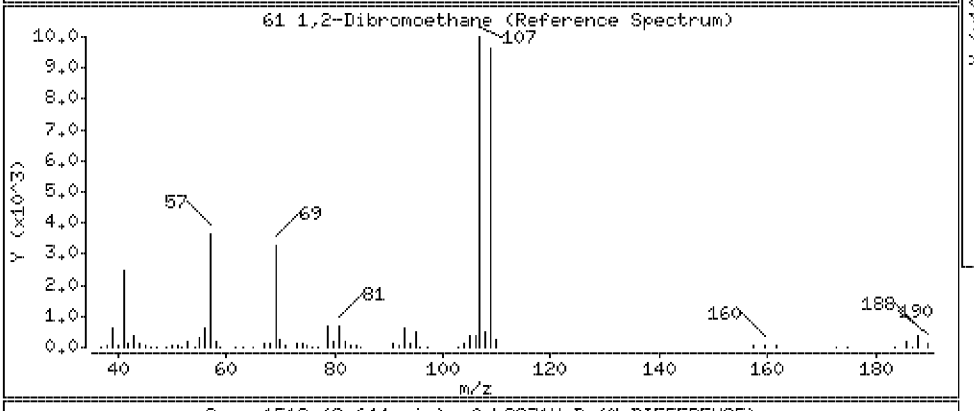
Column diameter: 0.18

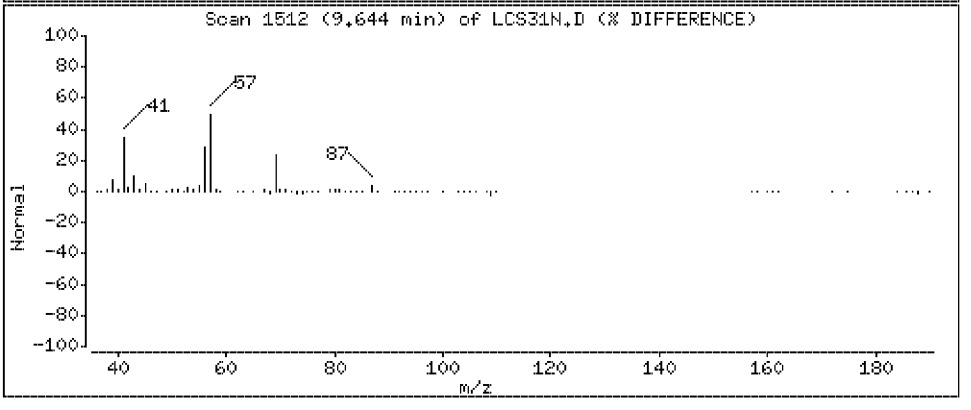
61 1,2-Dibromoethane

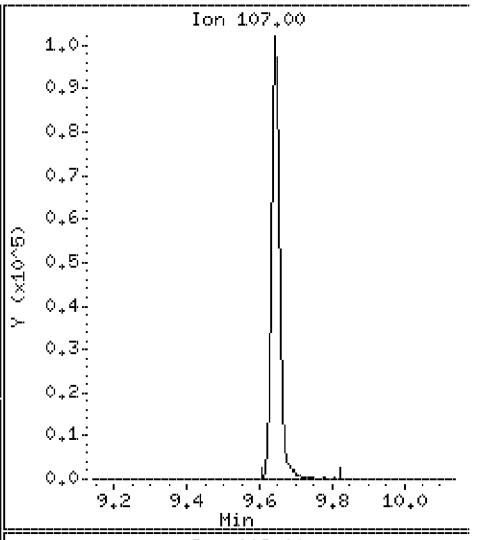
Concentration: 19.2 ug/l

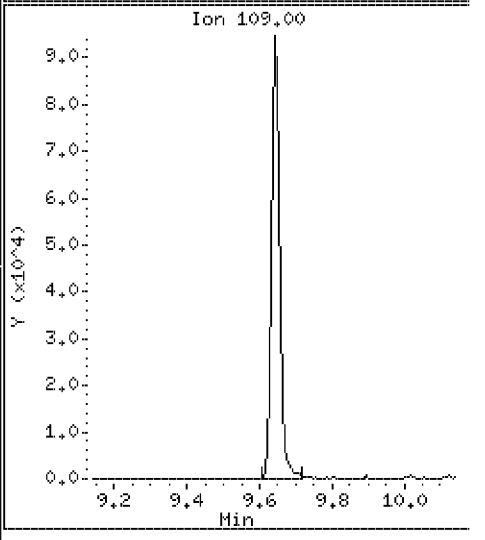












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

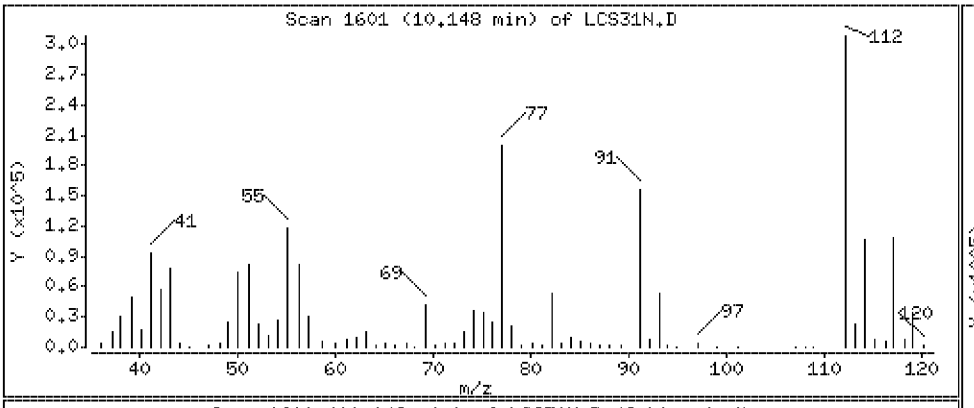
Operator:

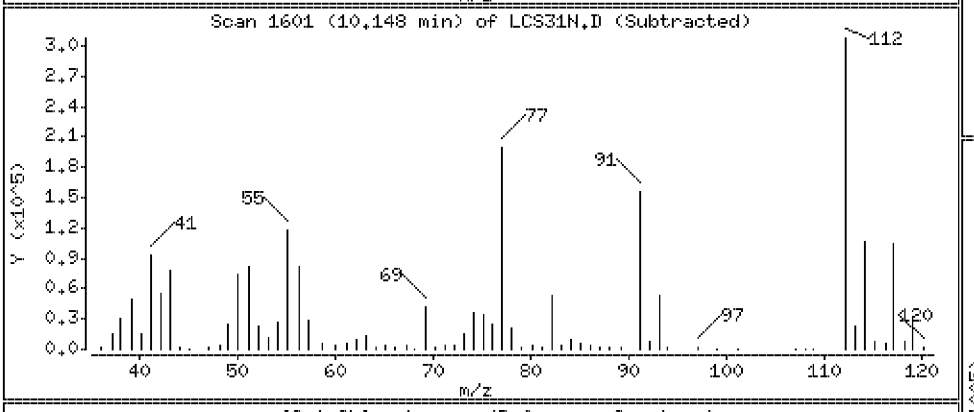
Column phase: RTX-502.2

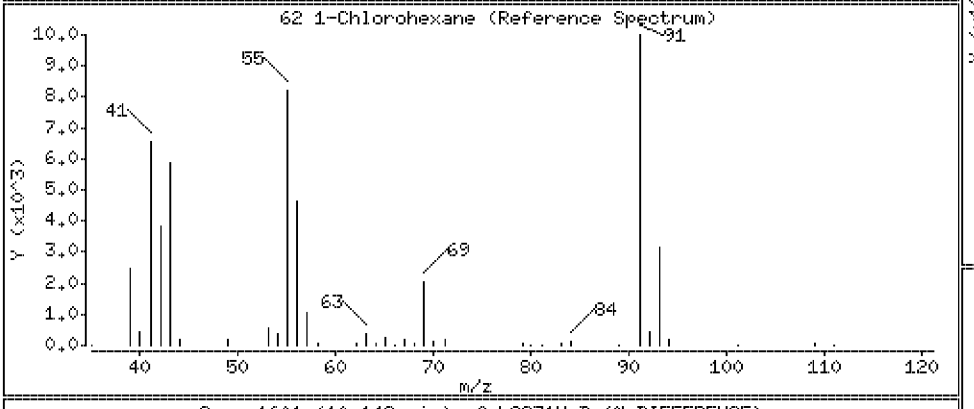
Column diameter: 0.18

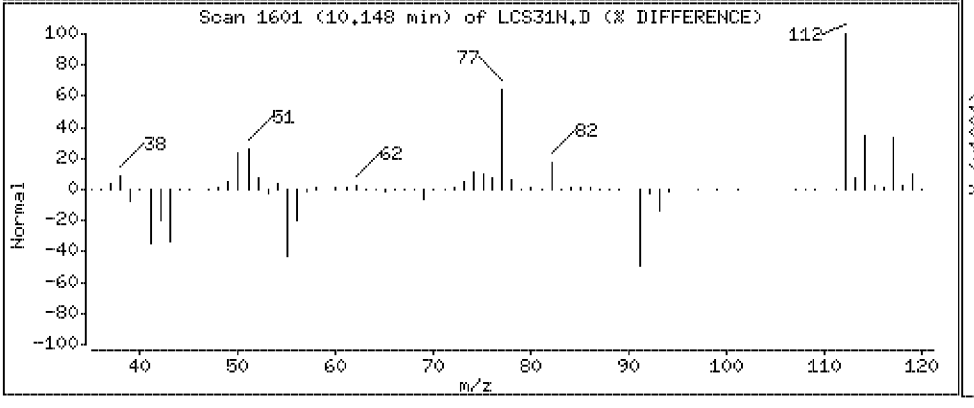
62 1-Chlorohexane

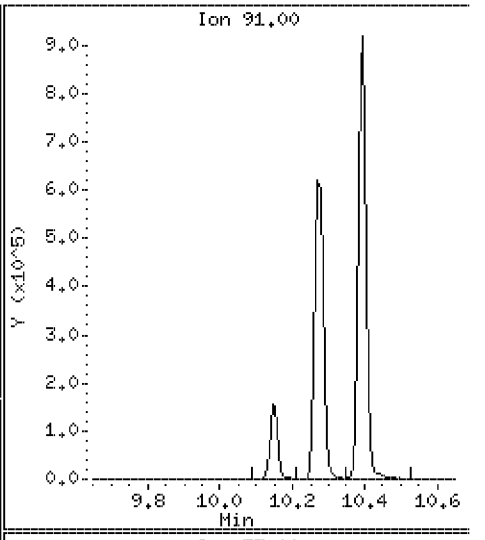
Concentration: 20.2 ug/l

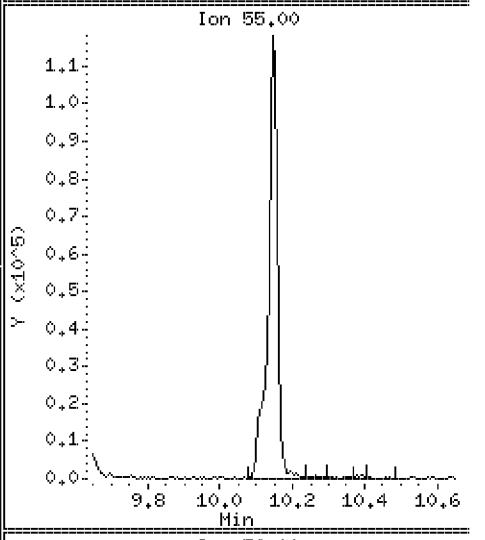


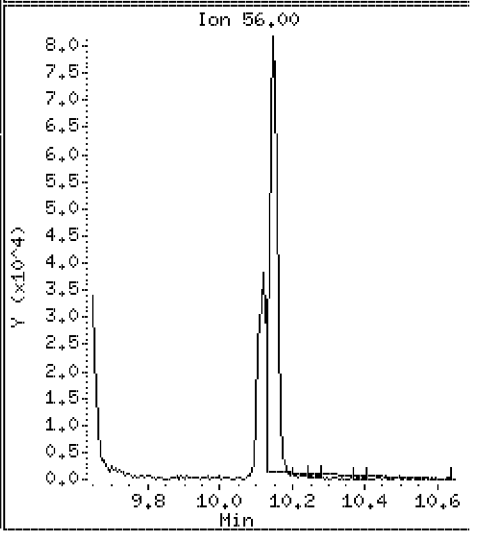












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

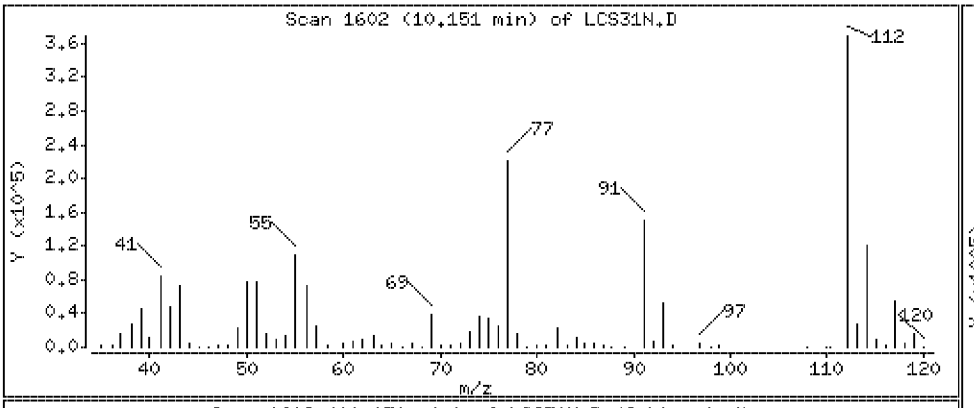
Operator:

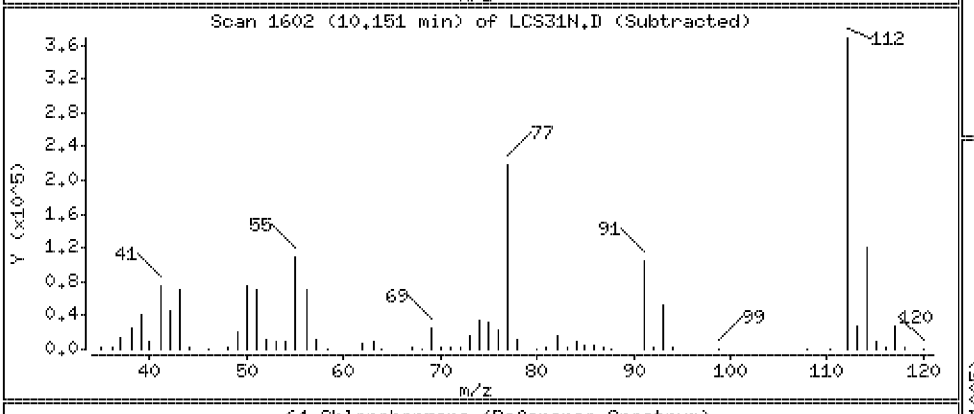
Column phase: RTX-502.2

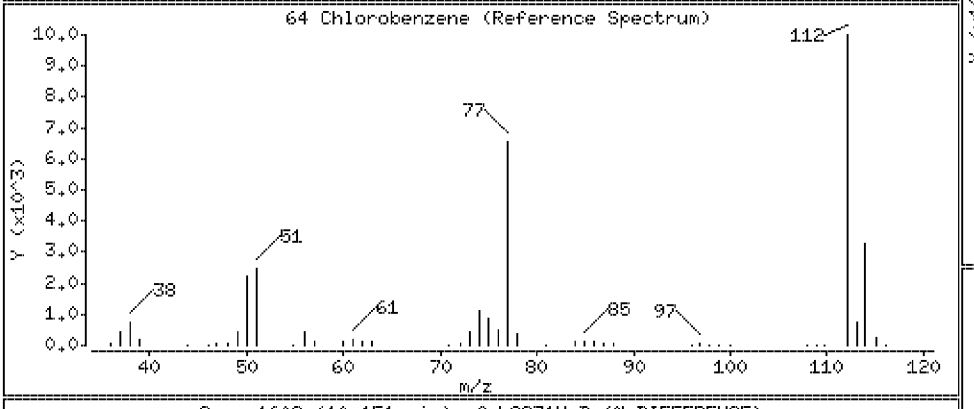
Column diameter: 0.18

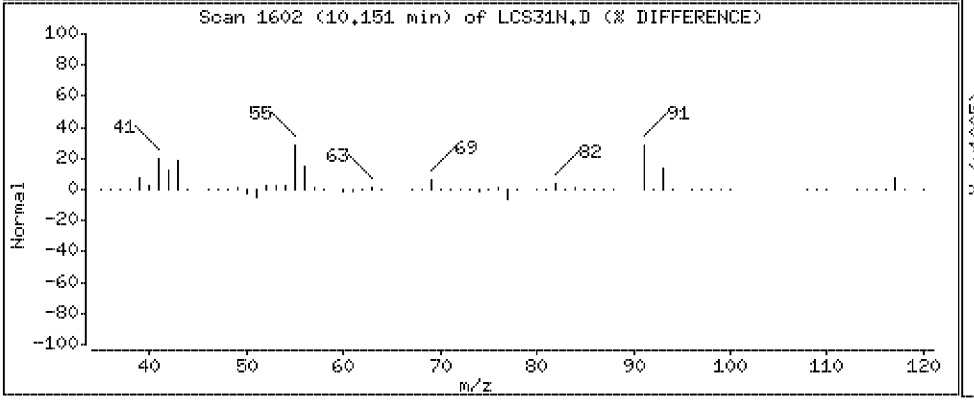
64 Chlorobenzene

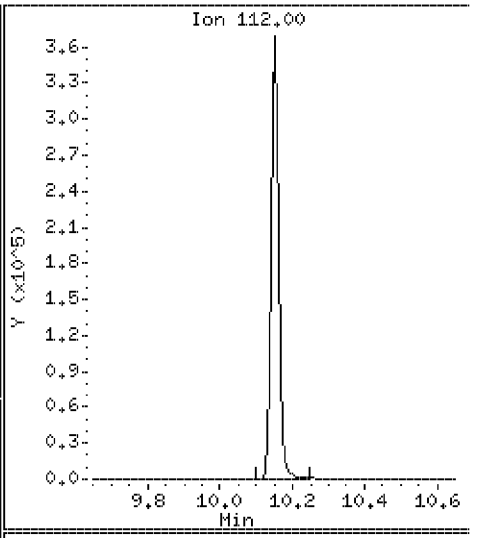
Concentration: 20.2 ug/l

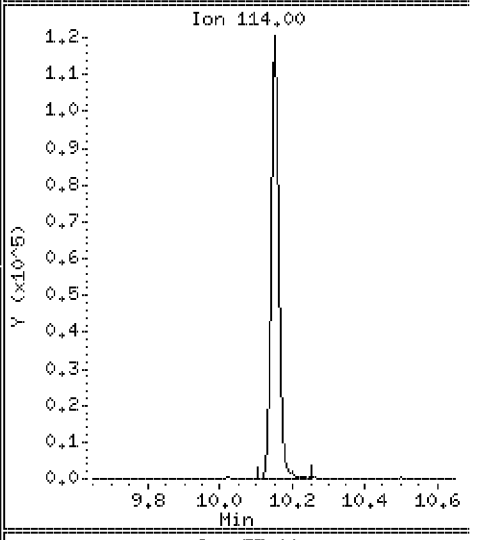


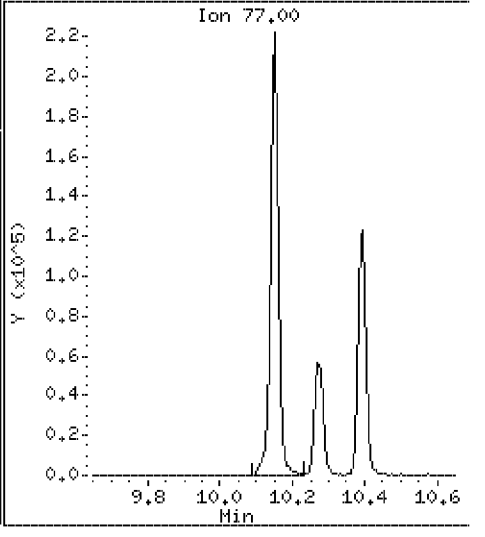












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

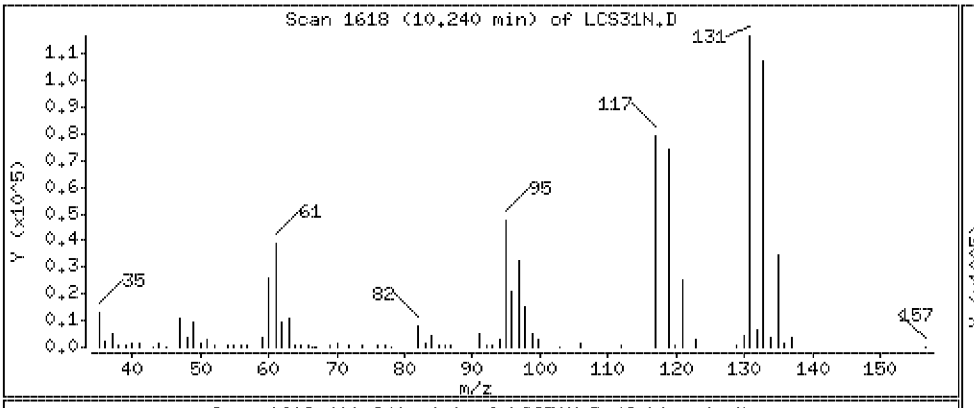
Operator:

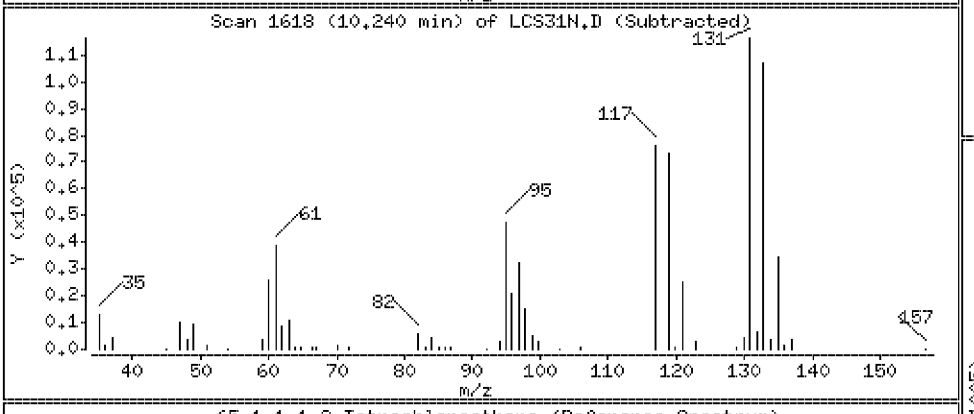
Column phase: RTX-502.2

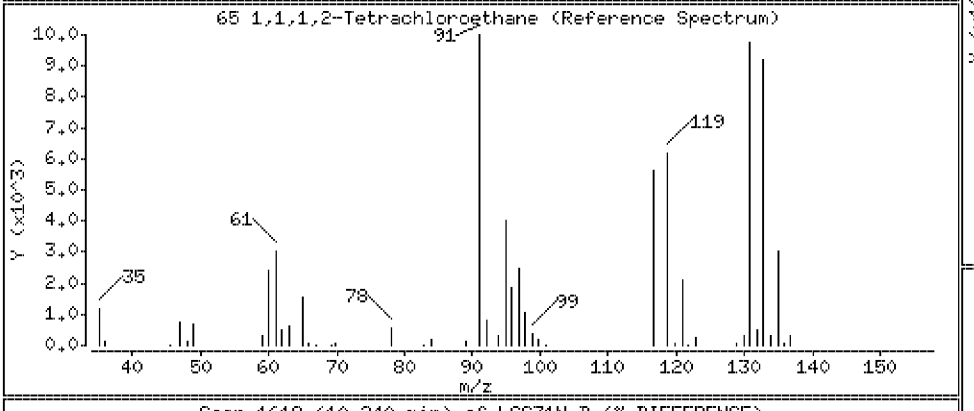
Column diameter: 0.18

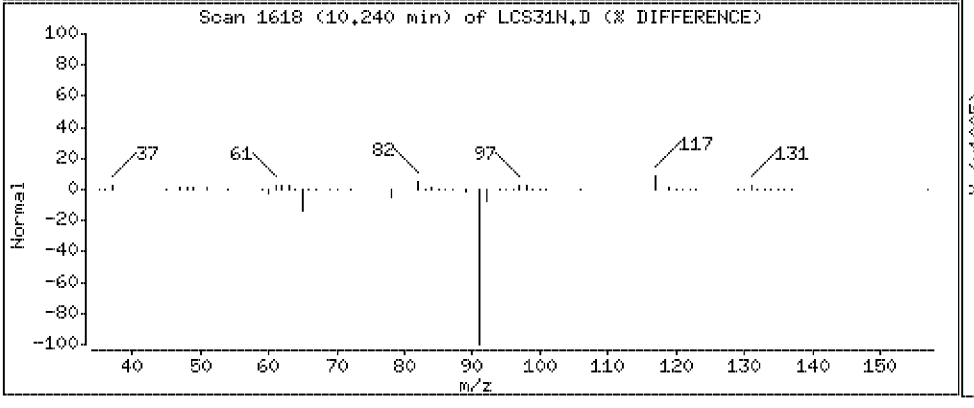
65 1,1,1,2-Tetrachloroethane

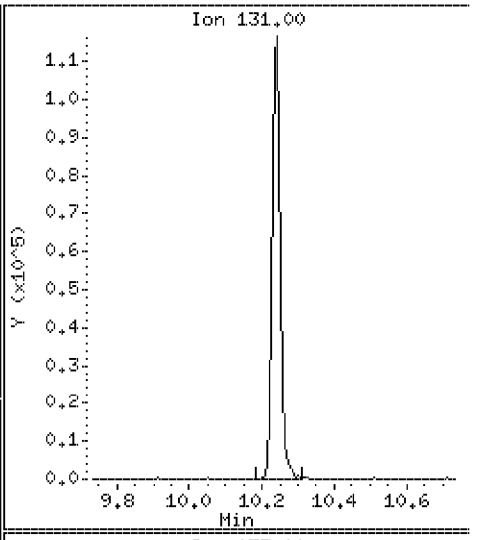
Concentration: 20.1 ug/l

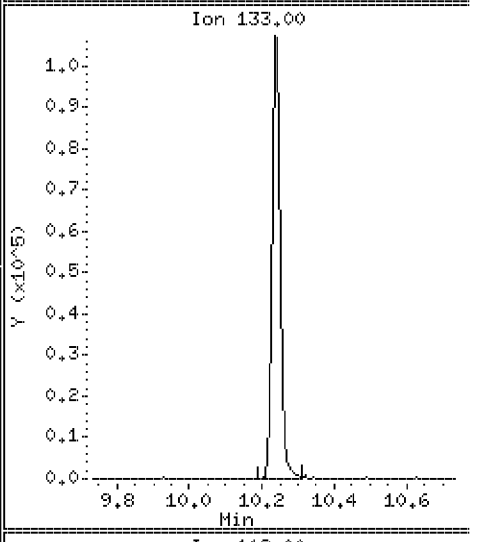


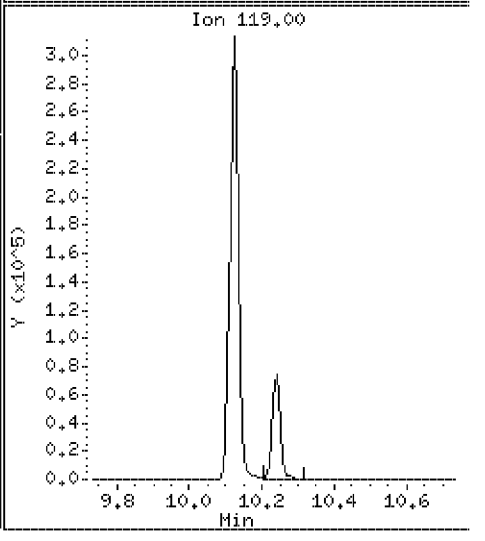












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

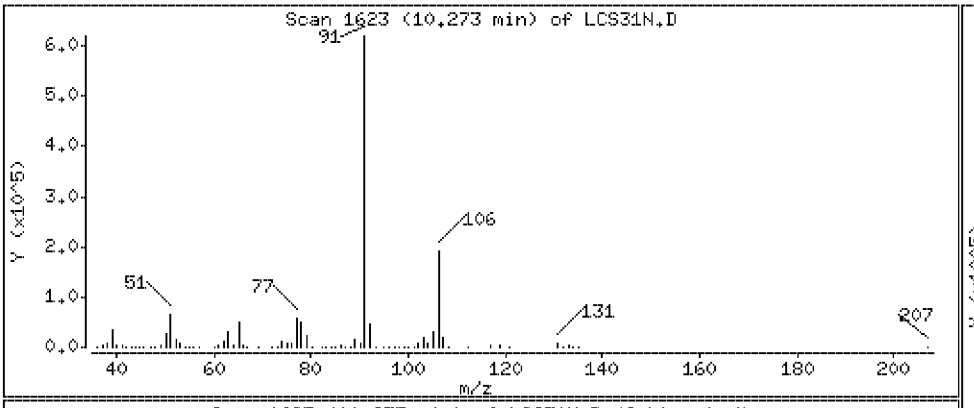
Operator:

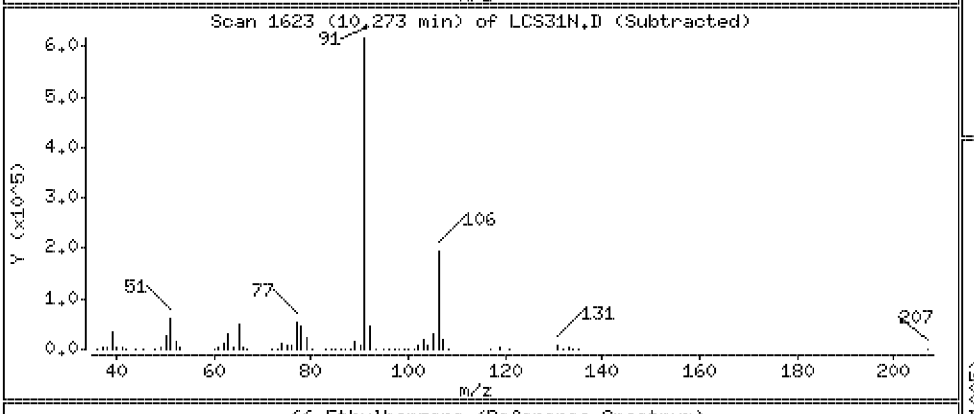
Column phase: RTX-502.2

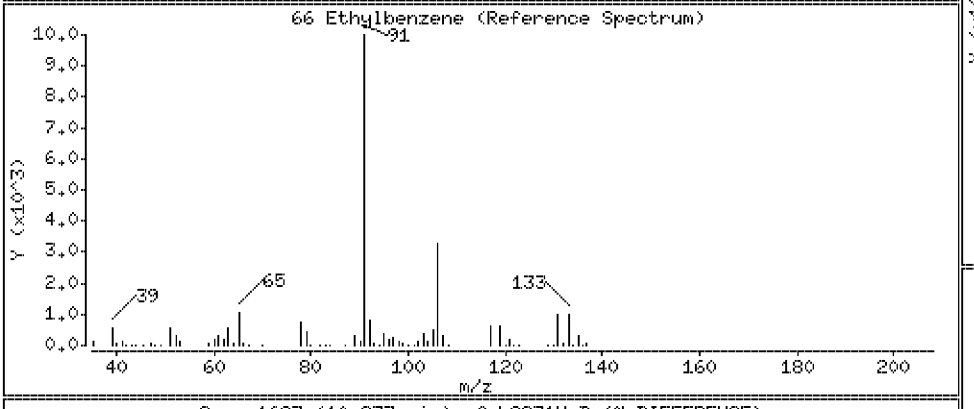
Column diameter: 0.18

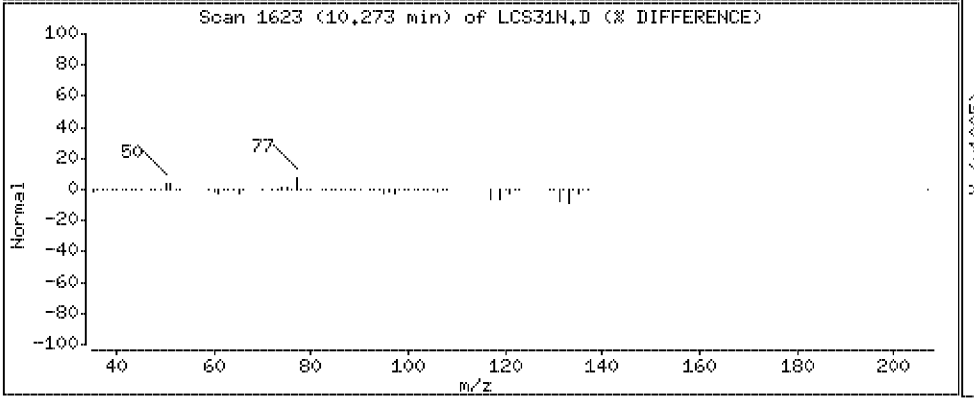
66 Ethylbenzene

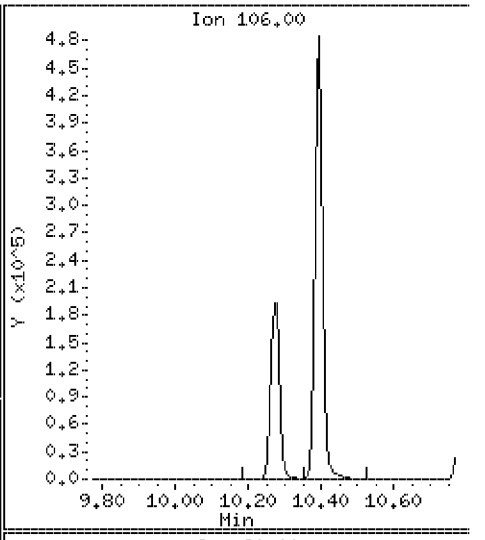
Concentration: 20.7 ug/l

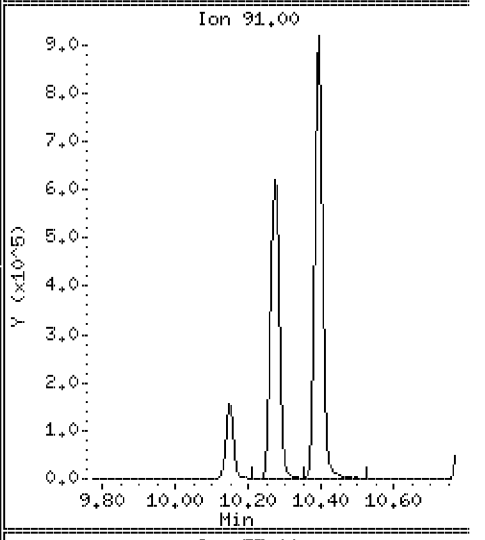


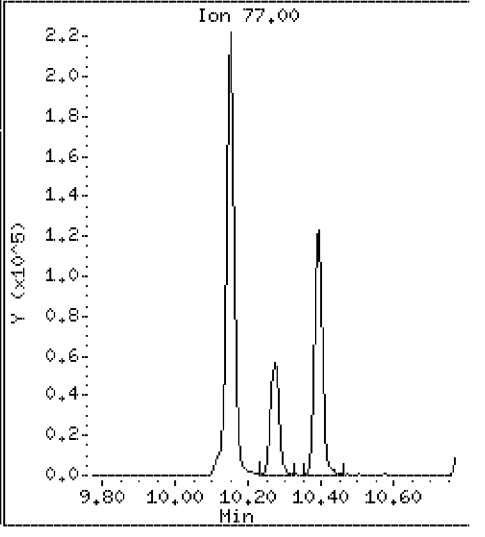












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

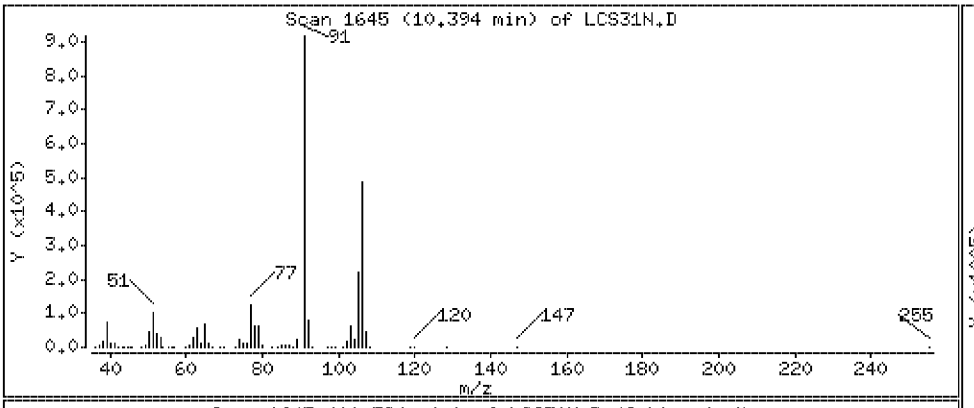
Operator:

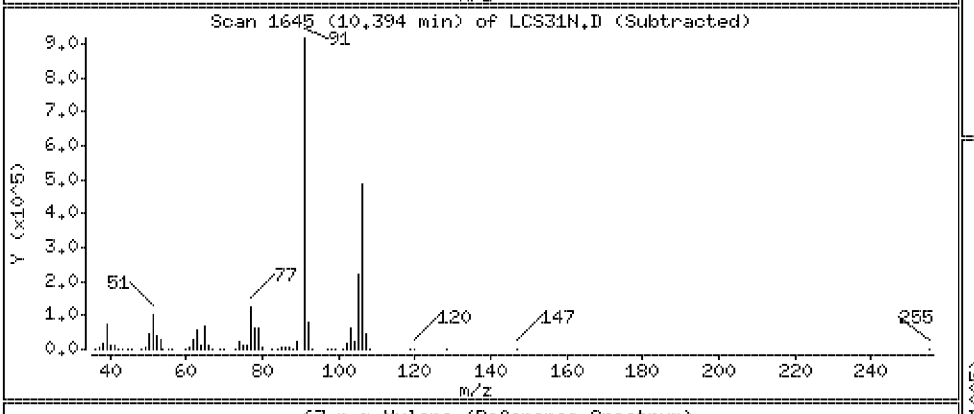
Column phase: RTX-502.2

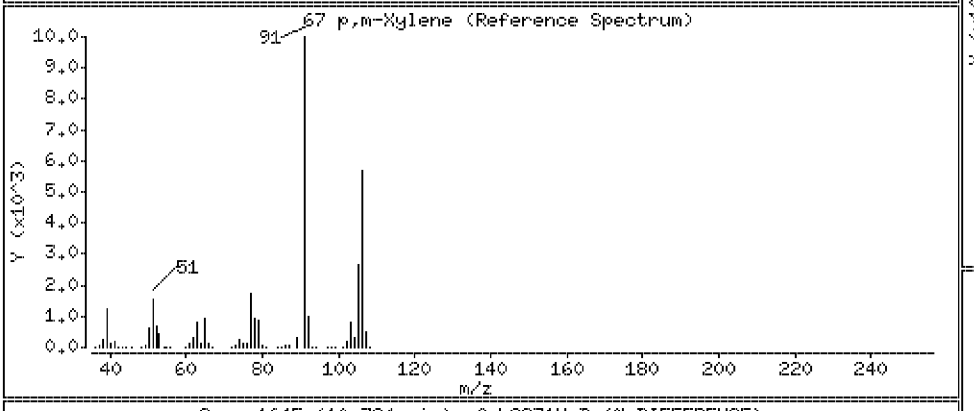
Column diameter: 0.18

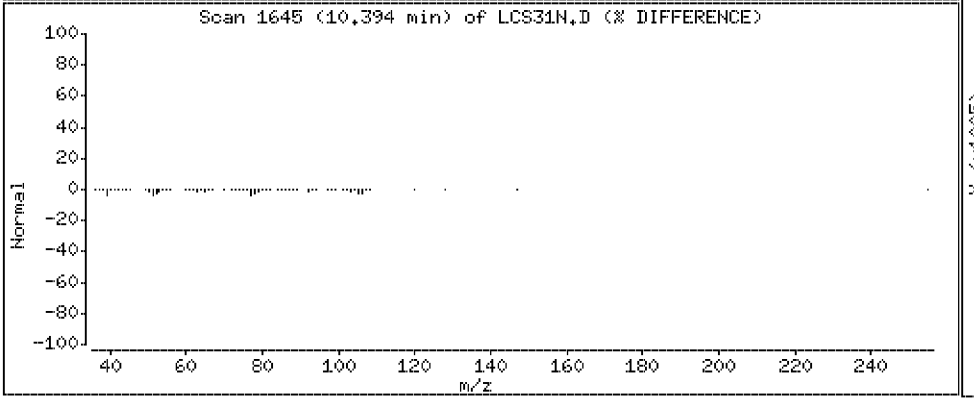
67 p,m-Xylene

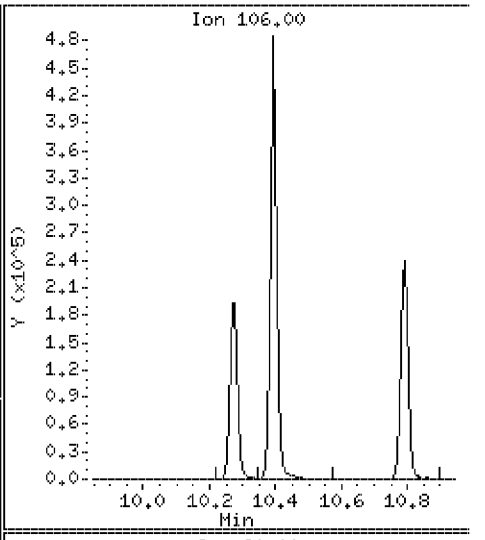
Concentration: 43.2 ug/l

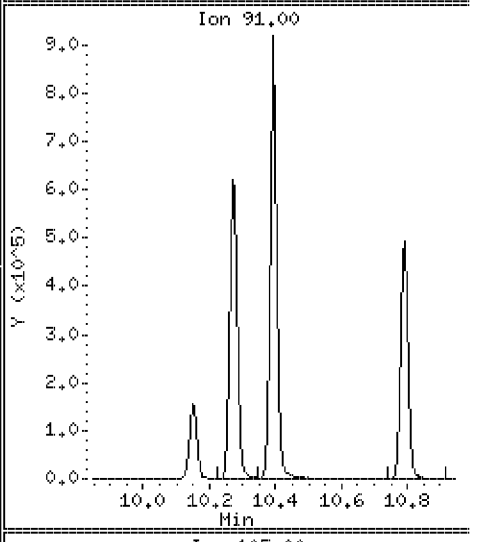


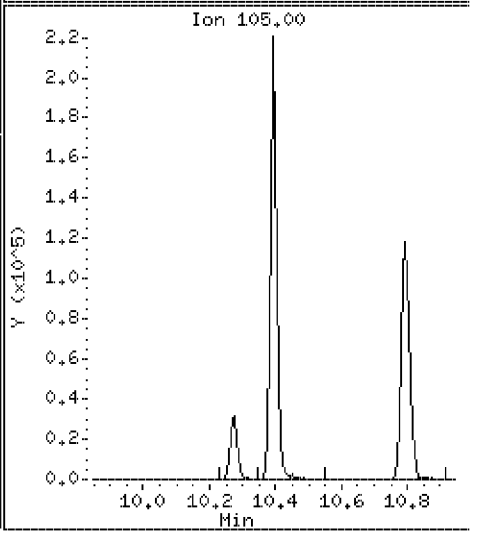












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

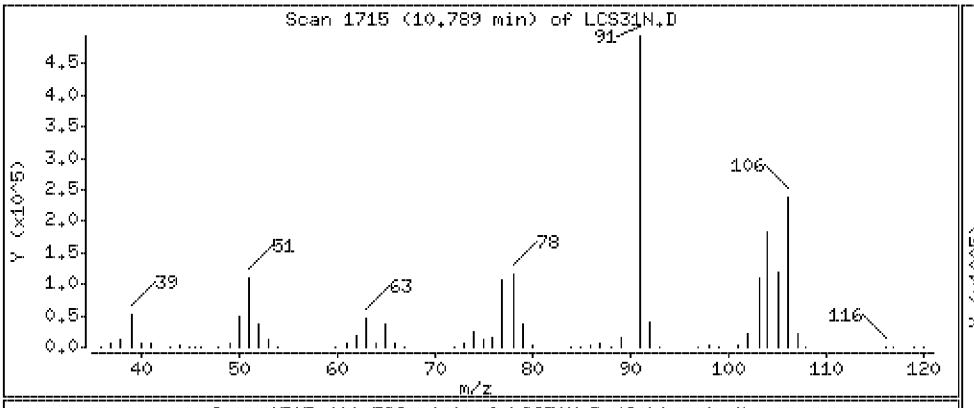
Operator:

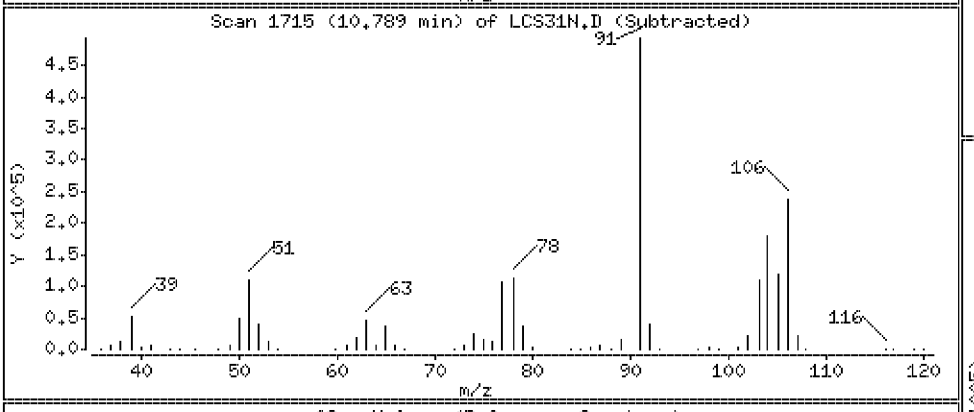
Column phase: RTX-502.2

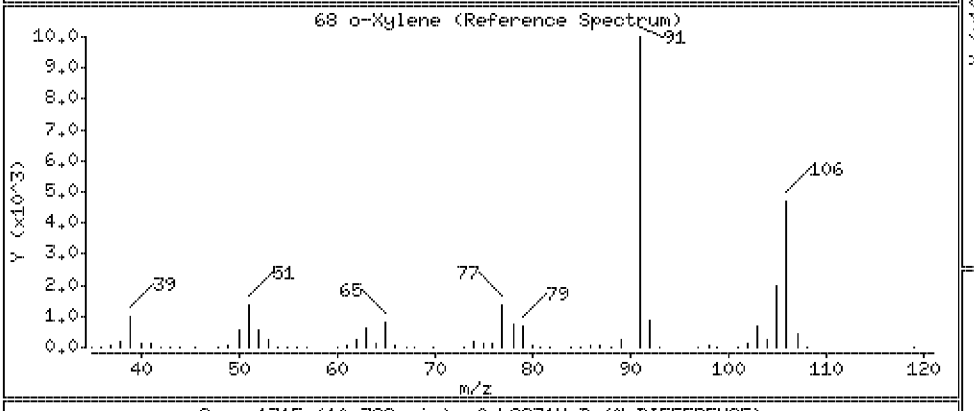
Column diameter: 0.18

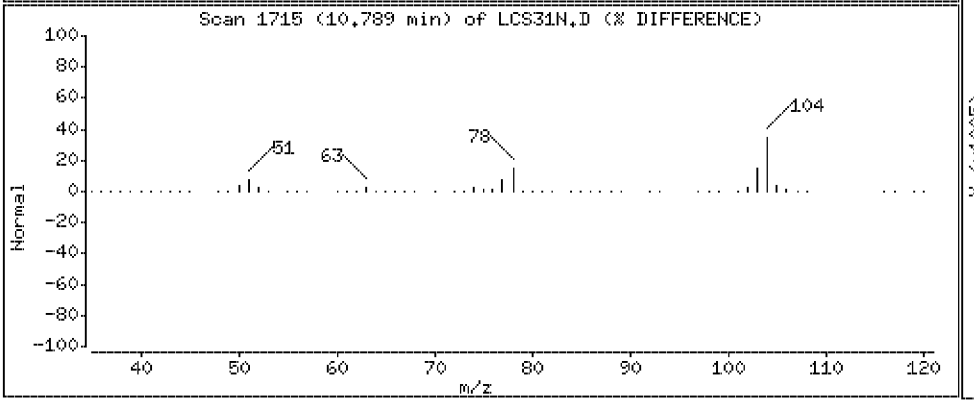
68 o-Xylene

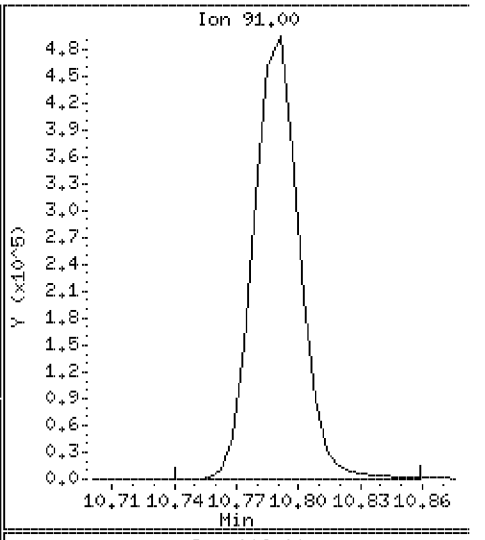
Concentration: 21.0 ug/l

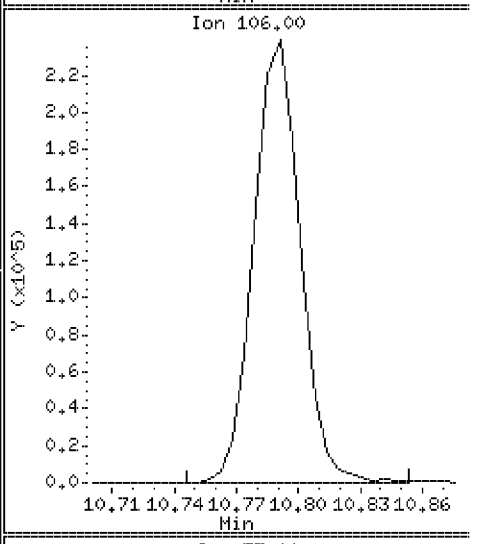


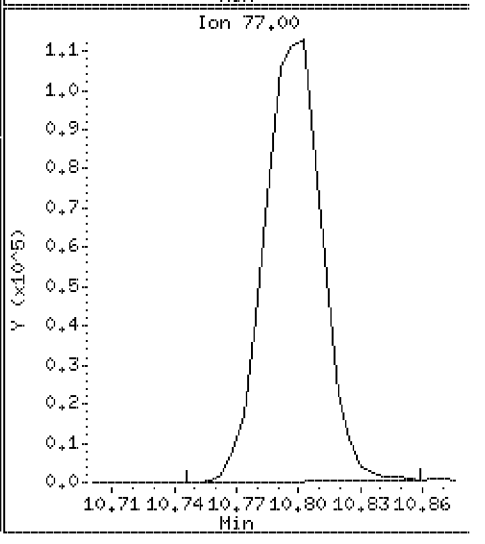












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

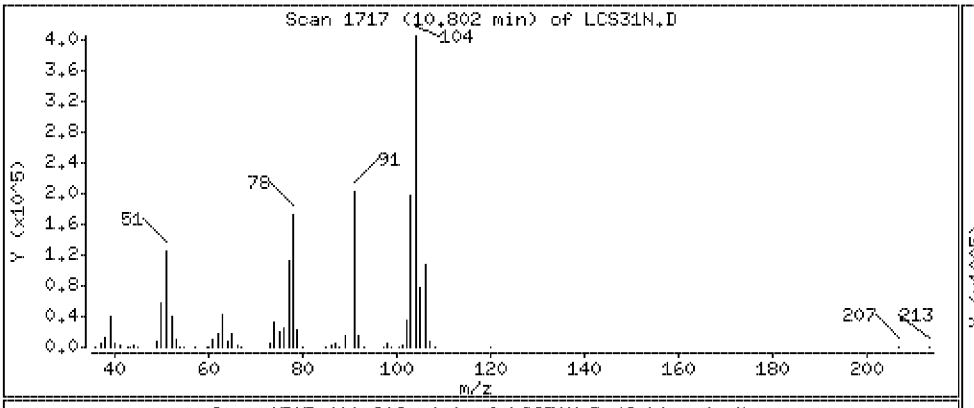
Operator:

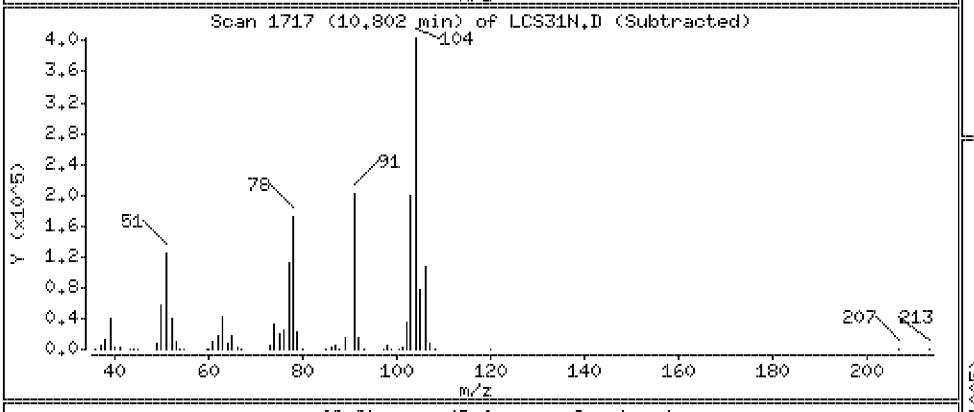
Column phase: RTX-502.2

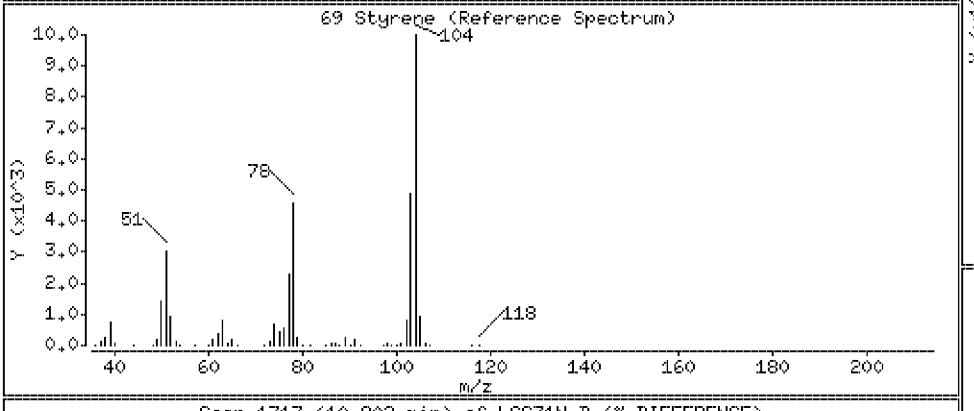
Column diameter: 0.18

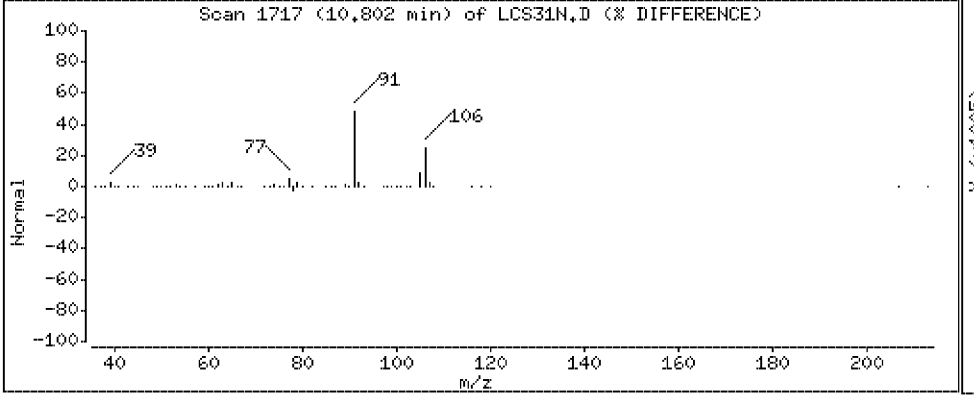
69 Styrene

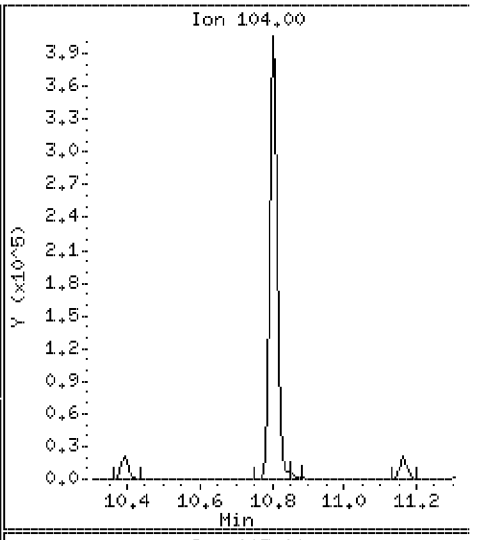
Concentration: 21.6 ug/l

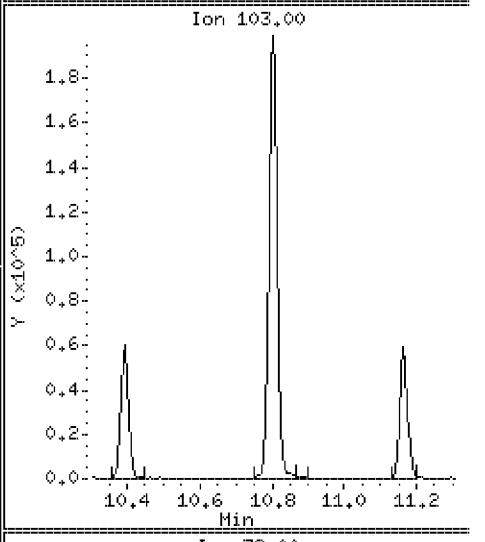


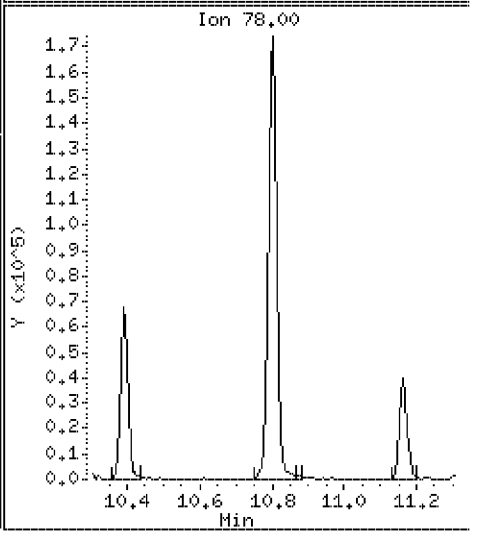












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

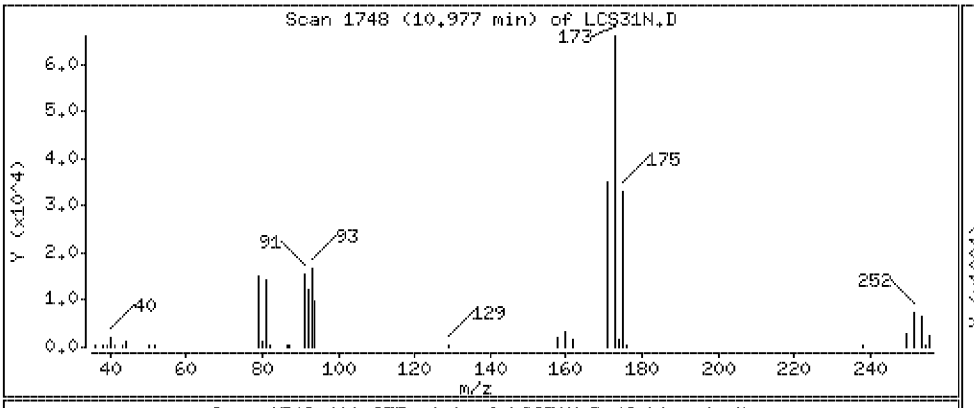
Operator:

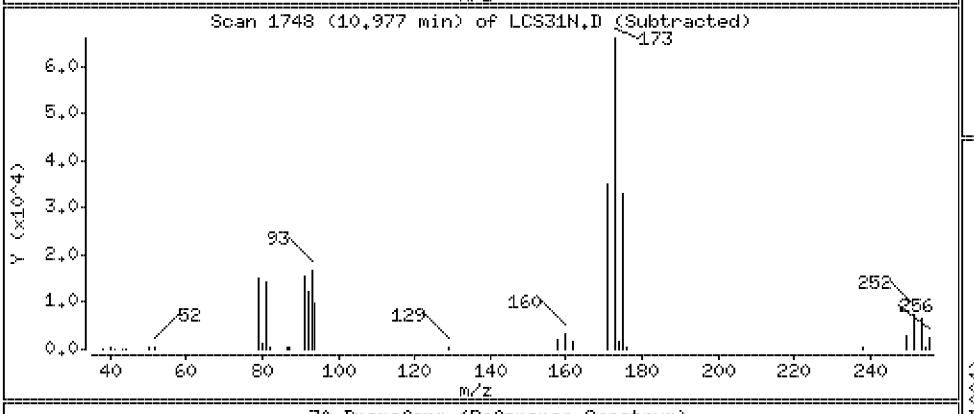
Column phase: RTX-502.2

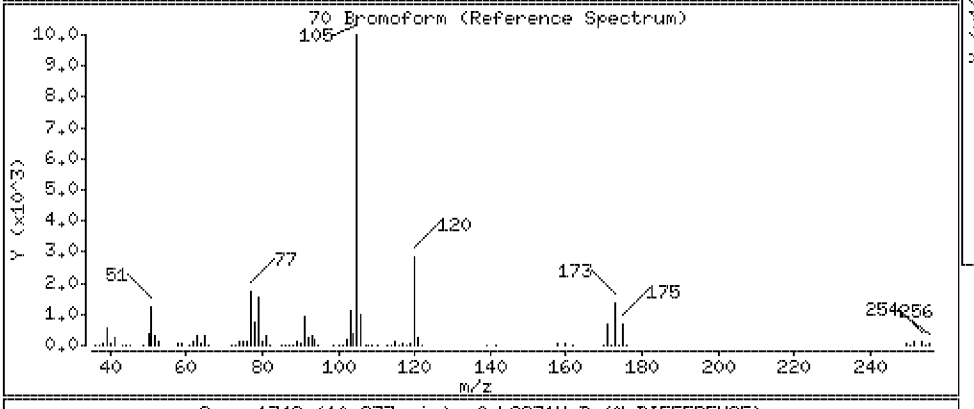
Column diameter: 0.18

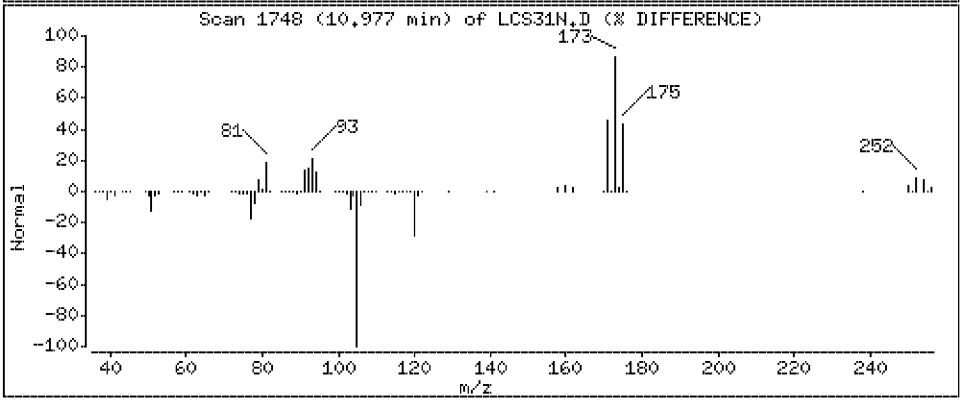
70 Bromoform

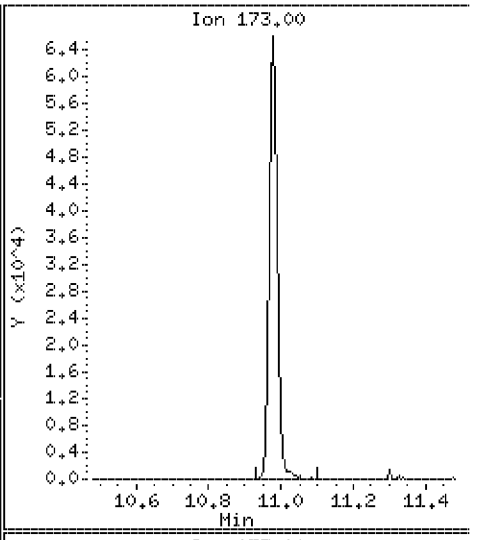
Concentration: 19.2 ug/l

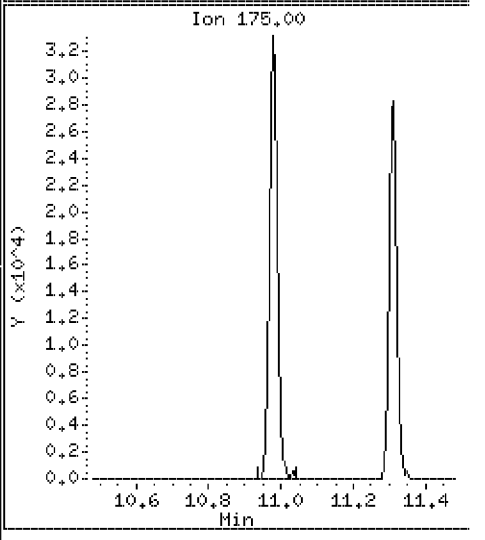












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

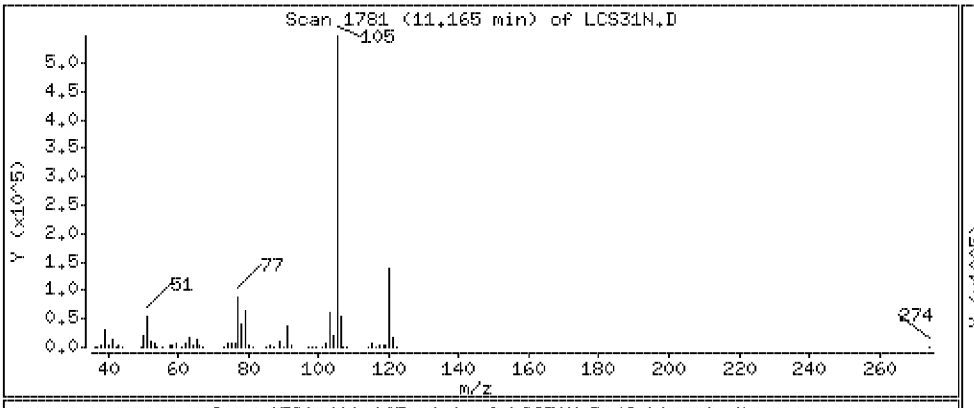
Client ID: 072710LCSA31 Instrument: vms03.i

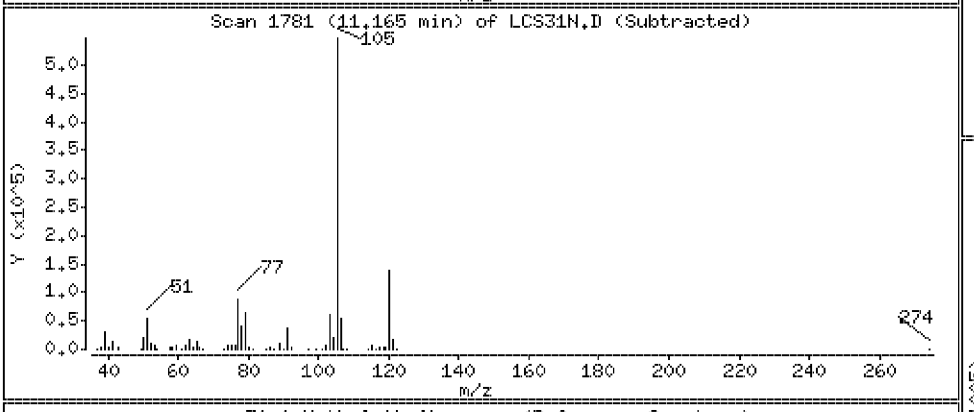
Sample Info: 072710LCSA31

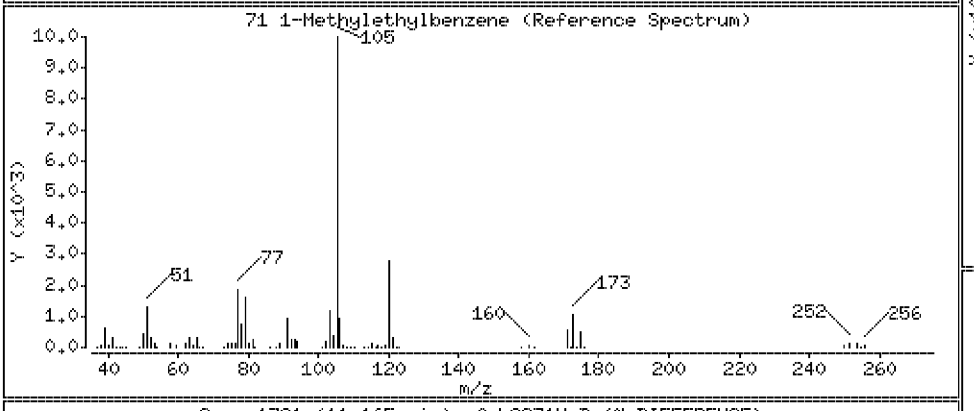
Purge Volume: 5.0 Operator:

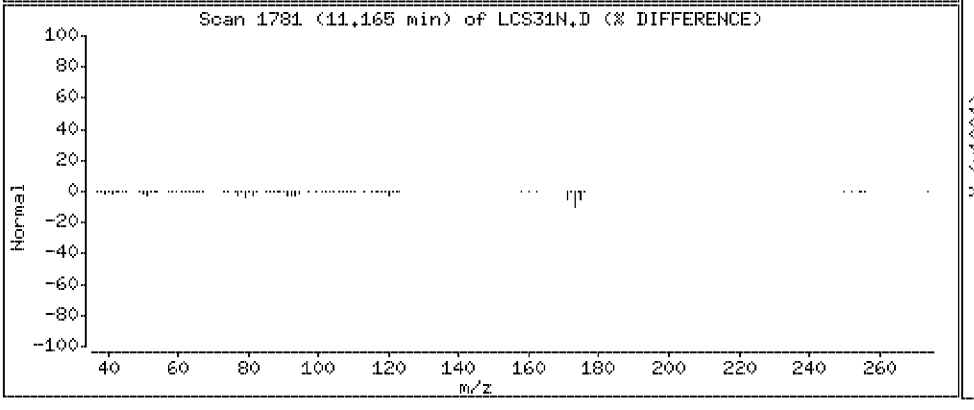
Column phase: RTX-502.2 Column diameter: 0.18

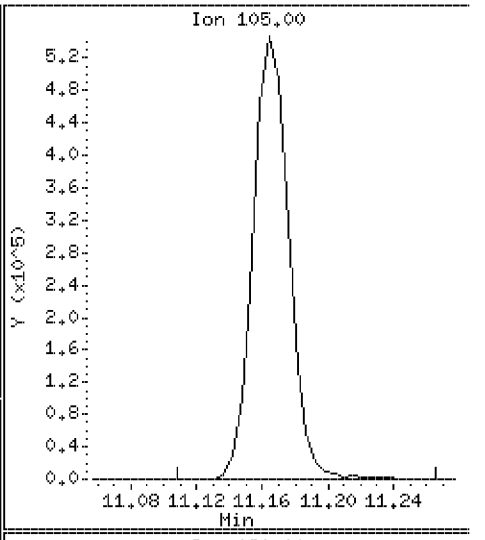
71 1-Methylethylbenzene Concentration: 20.8 ug/l

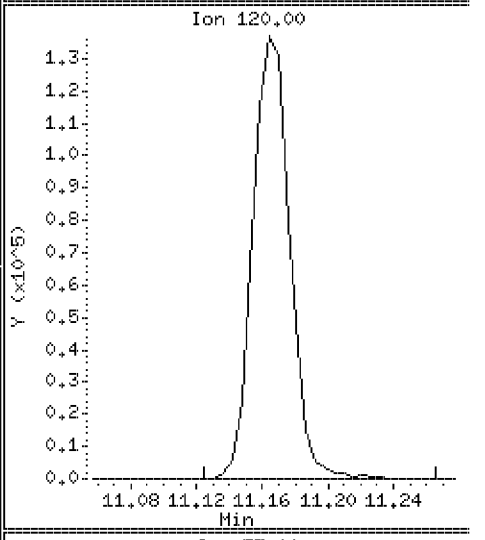


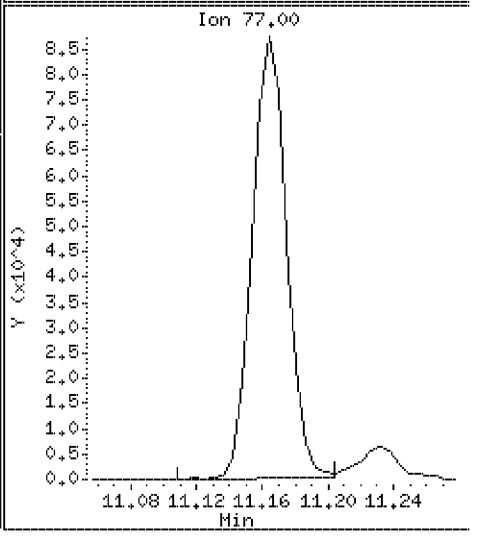












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

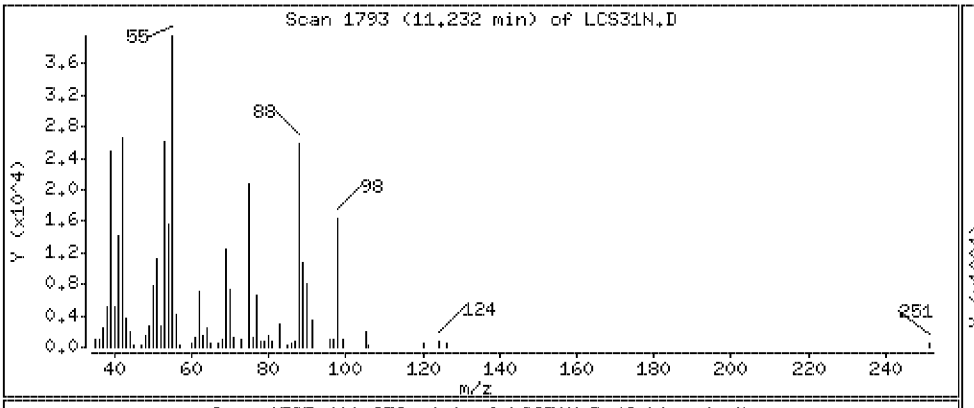
Operator:

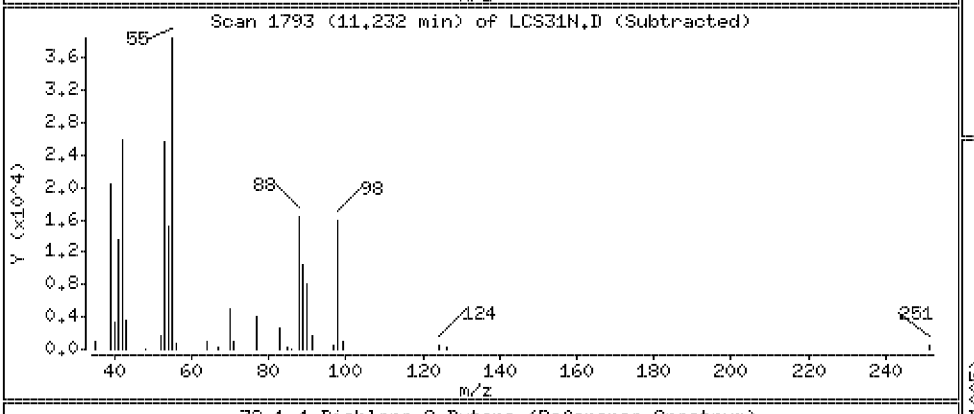
Column phase: RTX-502.2

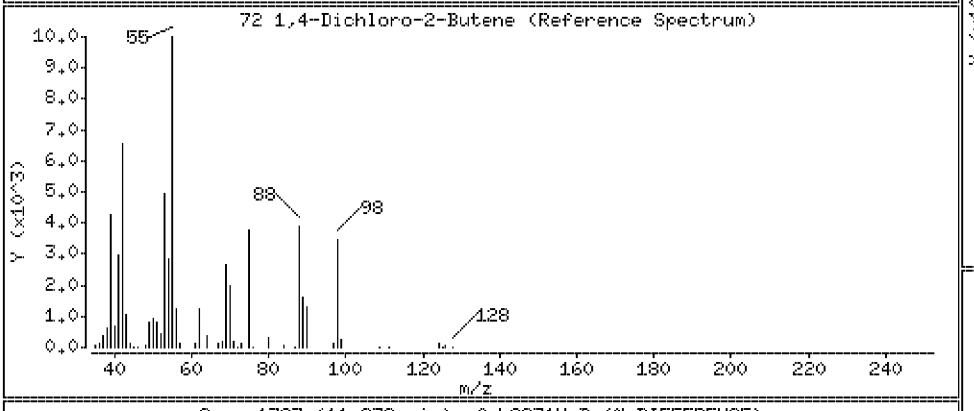
Column diameter: 0.18

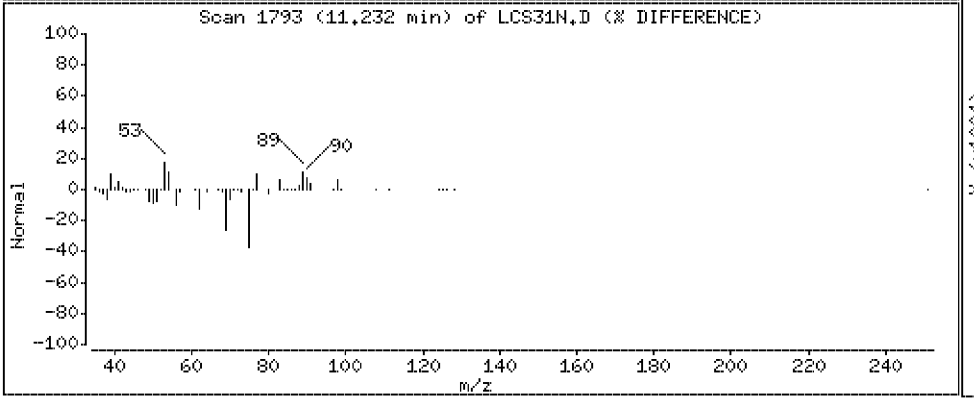
72 1,4-Dichloro-2-Butene

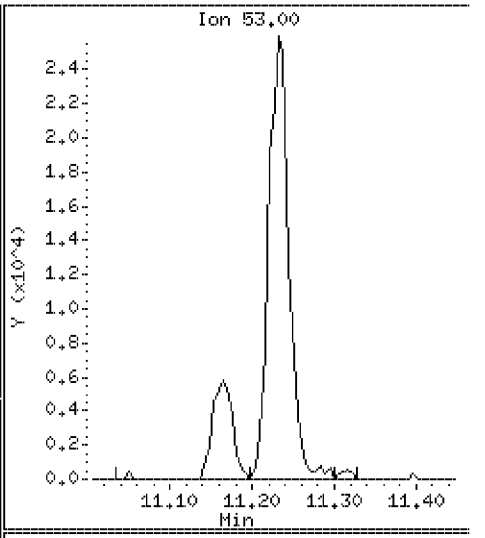
Concentration: 35.2 ug/l

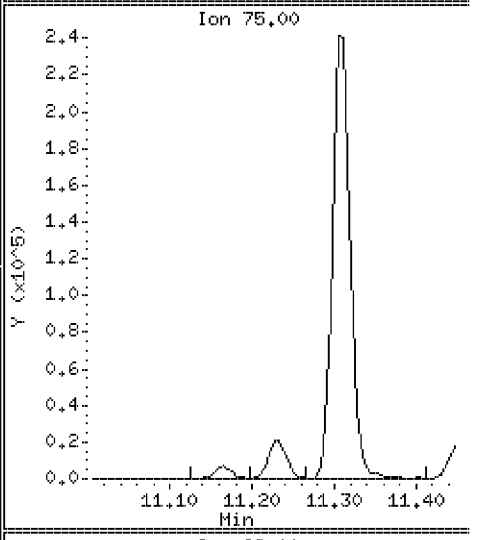


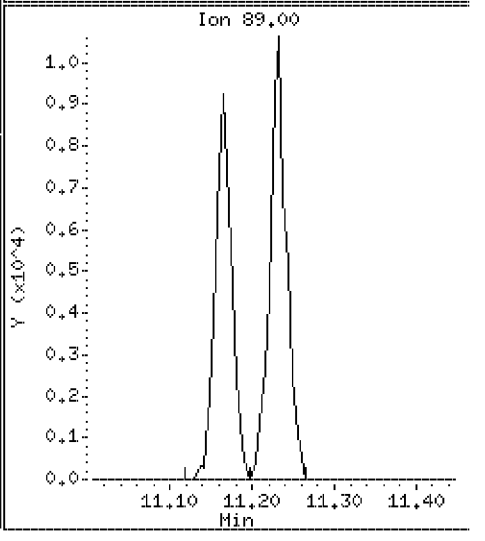












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

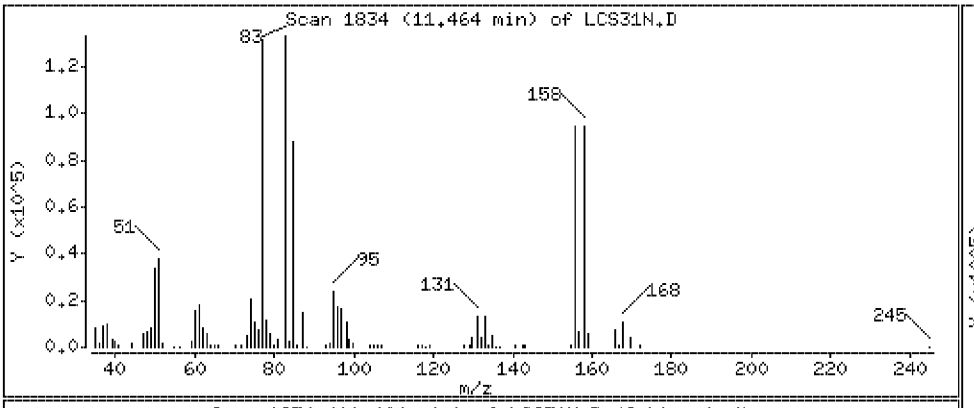
Client ID: 072710LCSA31 Instrument: vms03.i

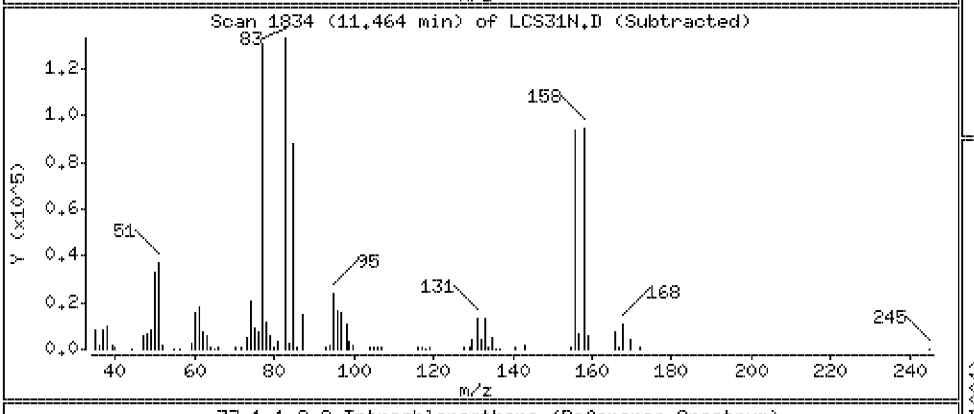
Sample Info: 072710LCSA31

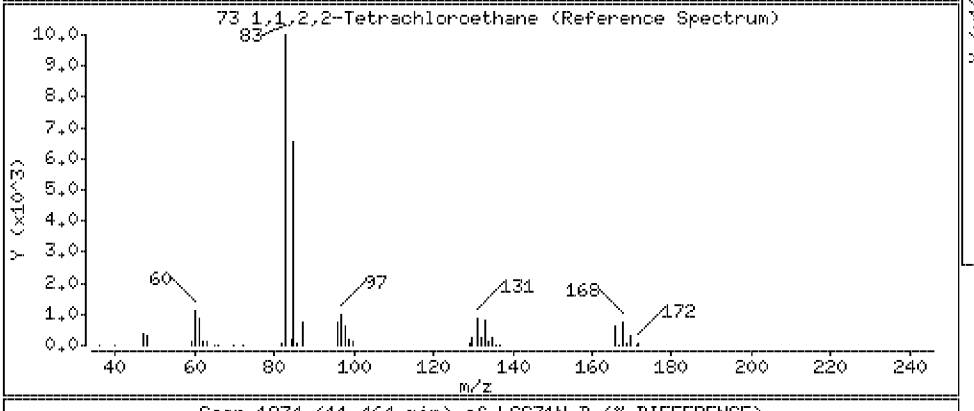
Purge Volume: 5.0 Operator:

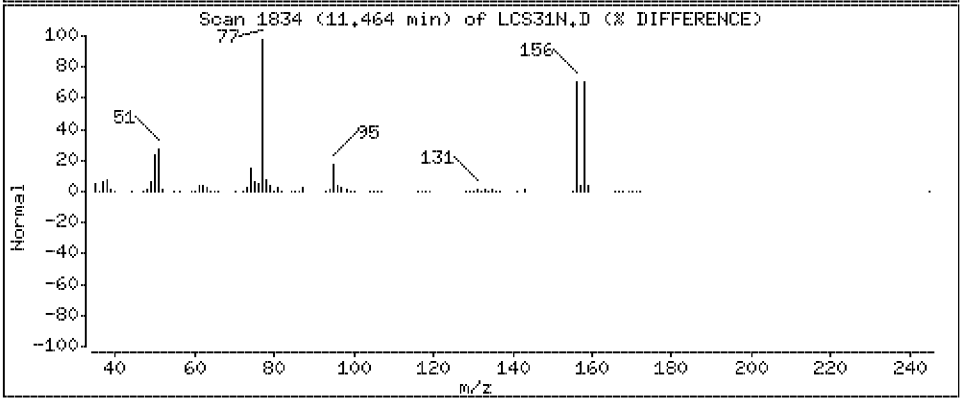
Column phase: RTX-502.2 Column diameter: 0.18

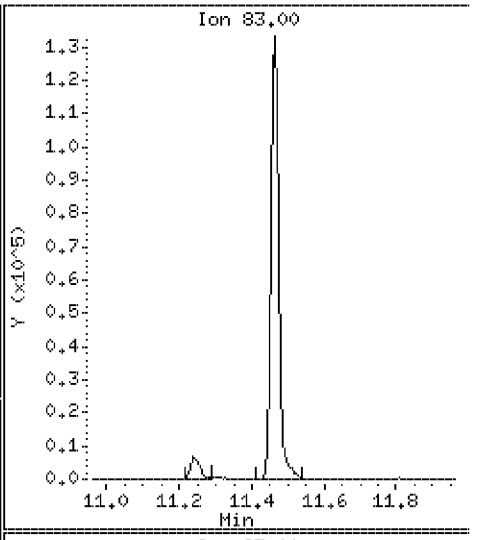
73 1,1,2,2-Tetrachloroethane Concentration: 18.7 ug/l

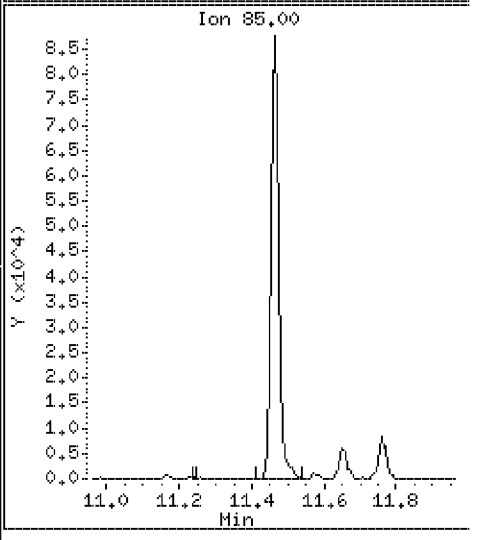












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

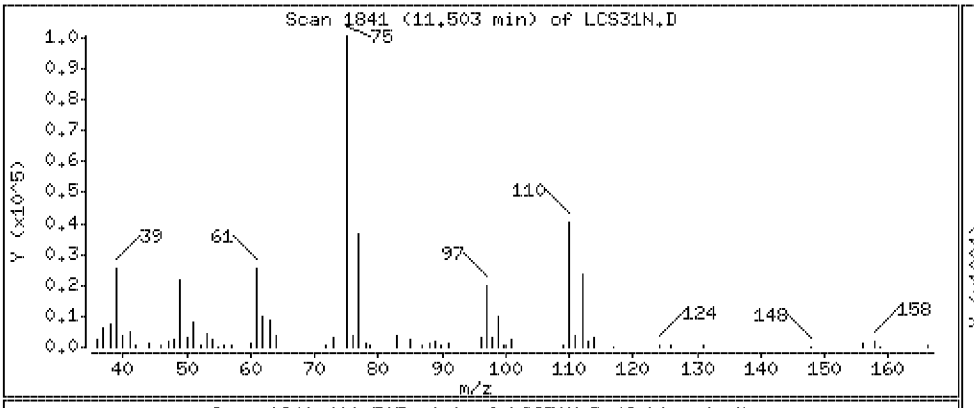
Operator:

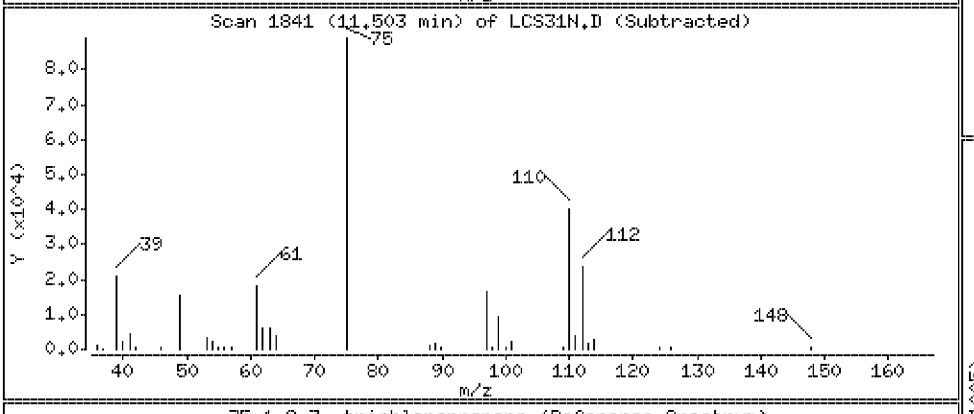
Column phase: RTX-502.2

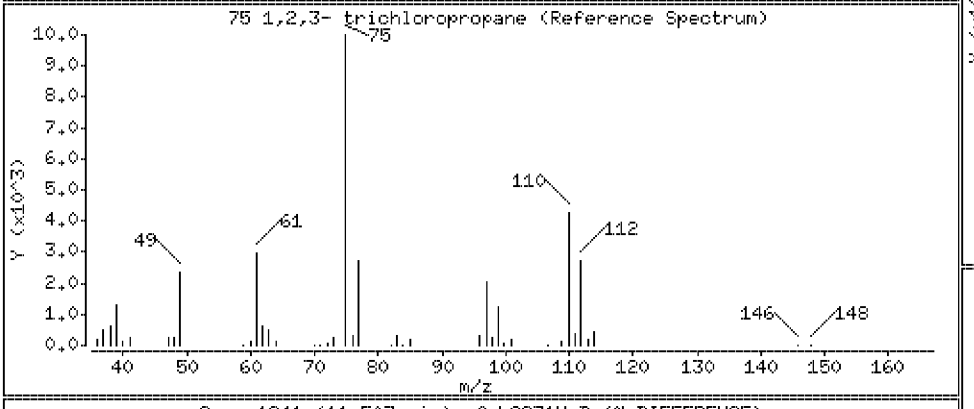
Column diameter: 0.18

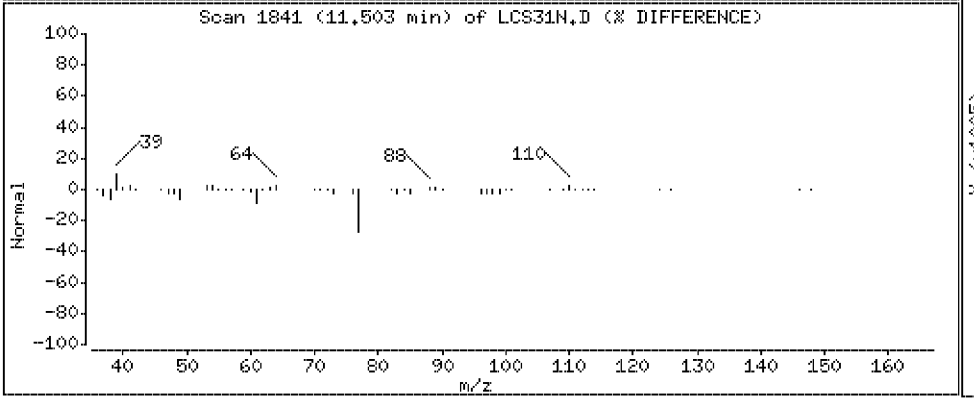
75 1,2,3- trichloropropane

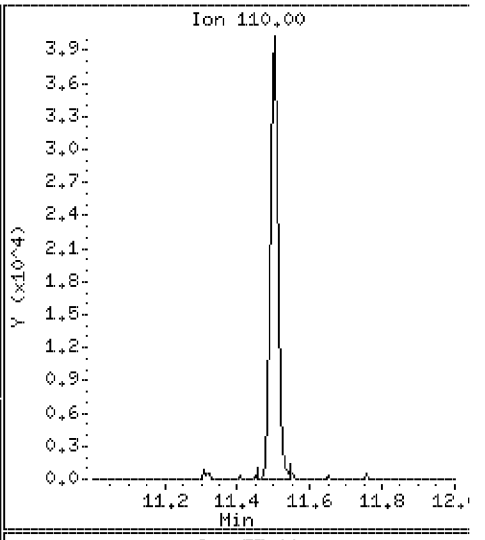
Concentration: 19.4 ug/l

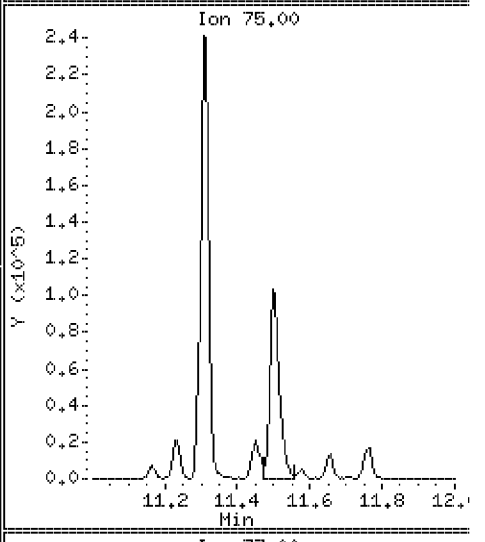


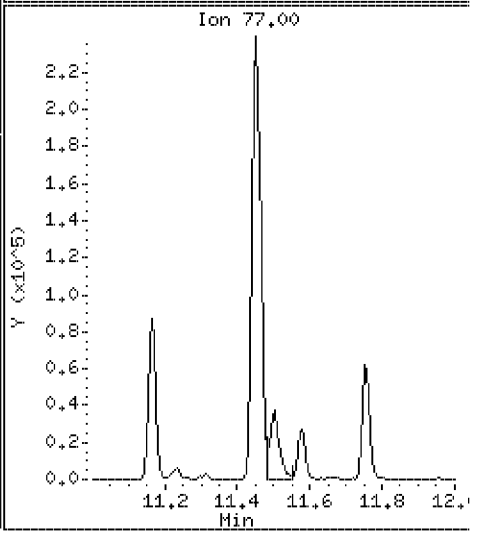












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

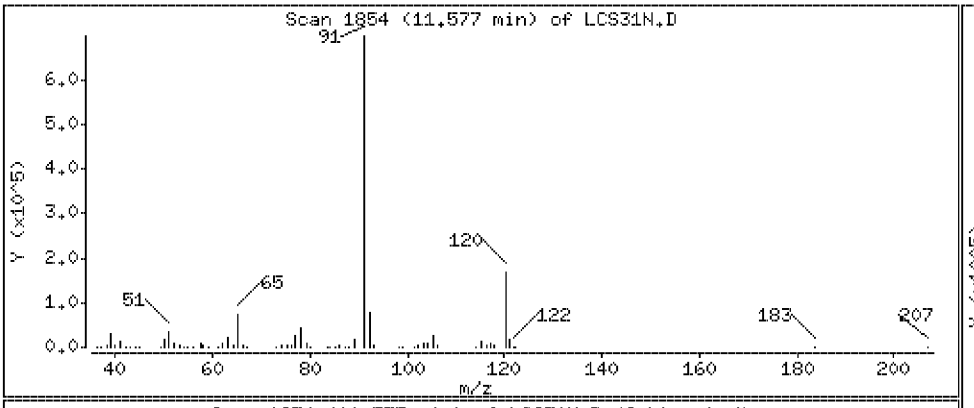
Client ID: 072710LCSA31 Instrument: vms03.i

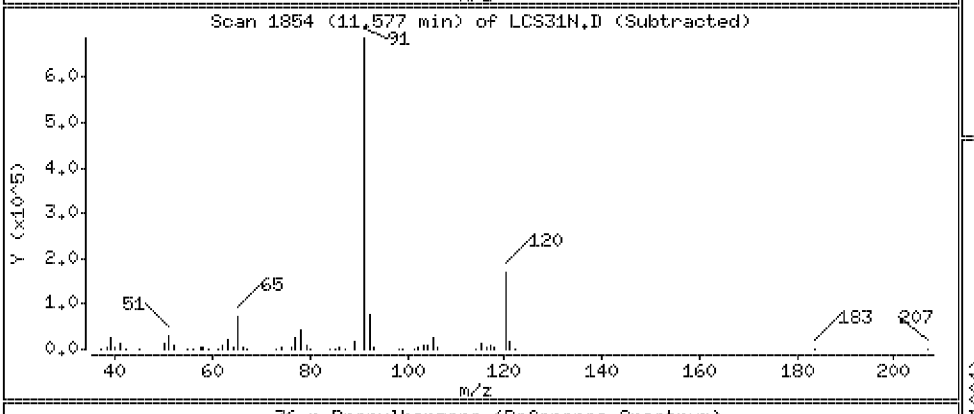
Sample Info: 072710LCSA31

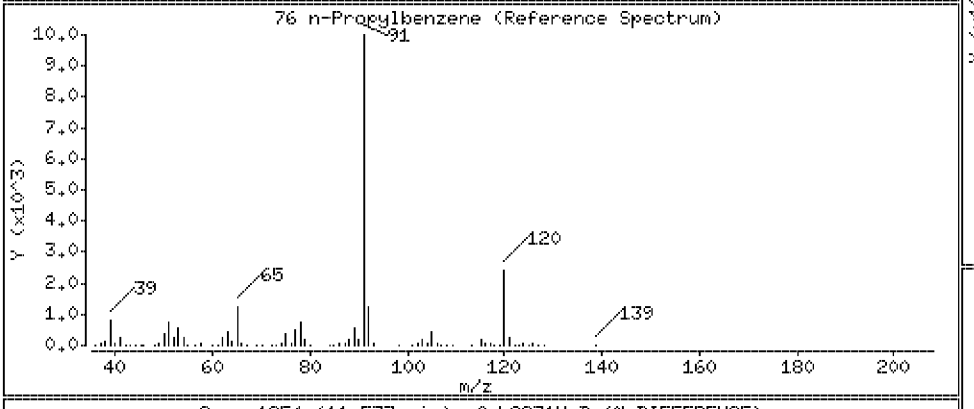
Purge Volume: 5.0 Operator:

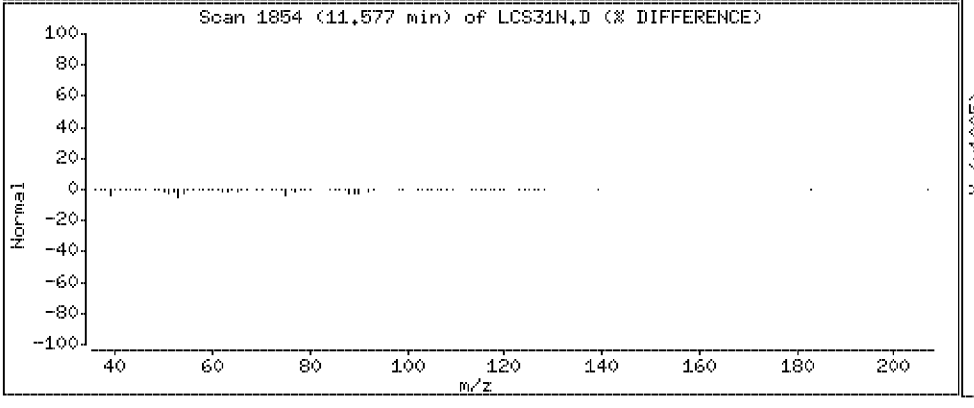
Column phase: RTX-502.2 Column diameter: 0.18

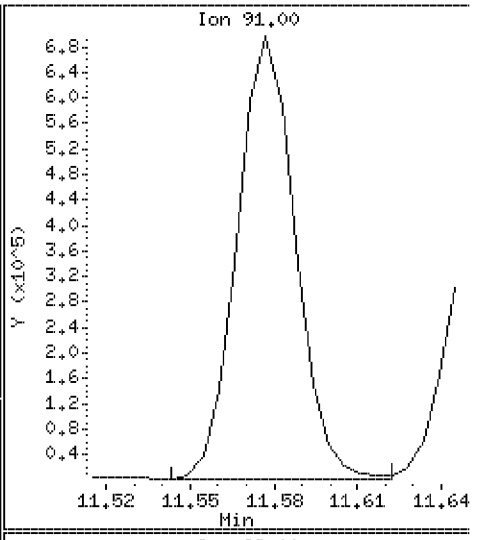
76 n-Propylbenzene Concentration: 21.6 ug/l

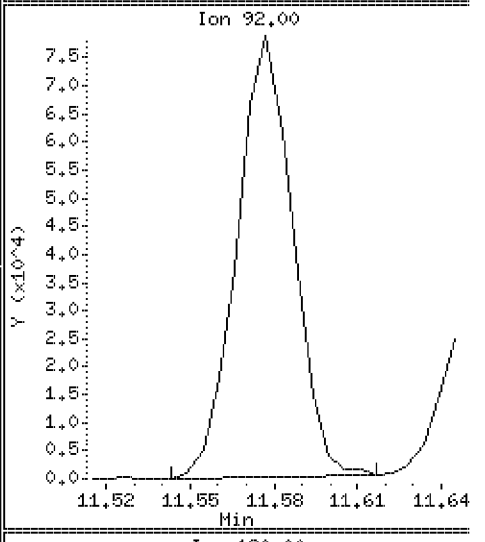


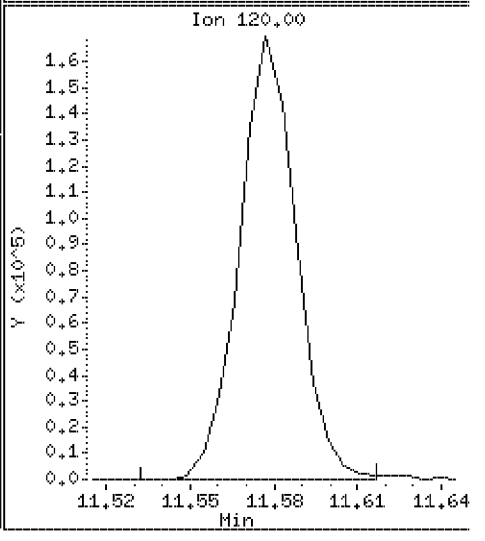












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

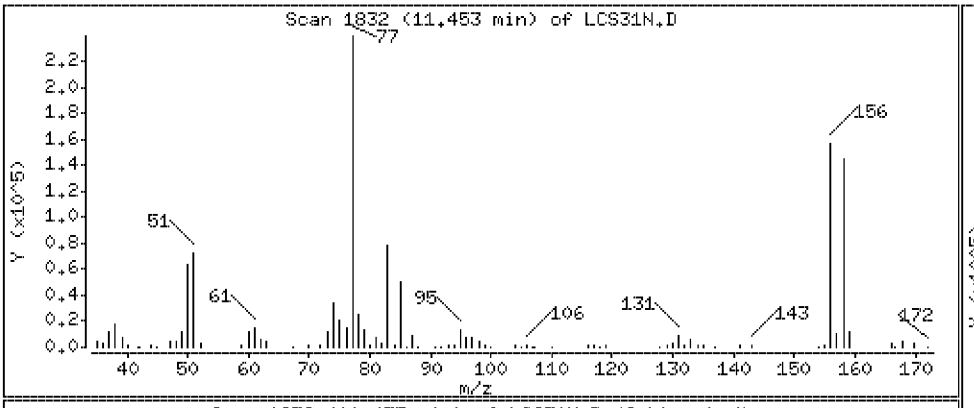
Client ID: 072710LCSA31 Instrument: vms03.i

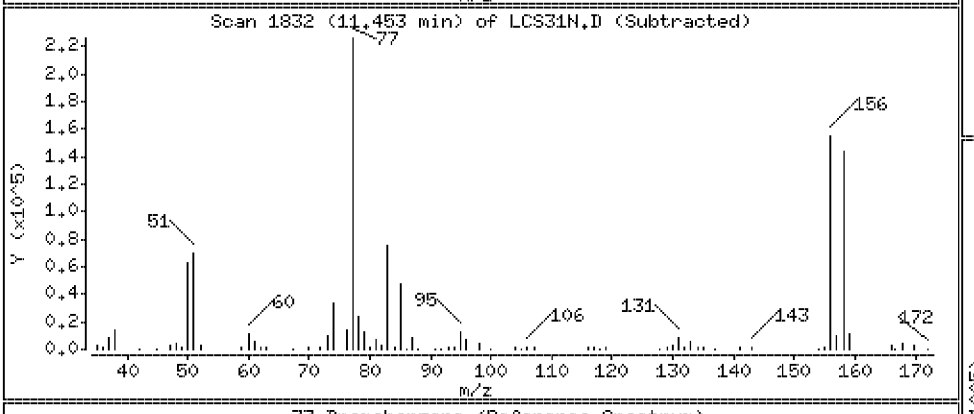
Sample Info: 072710LCSA31

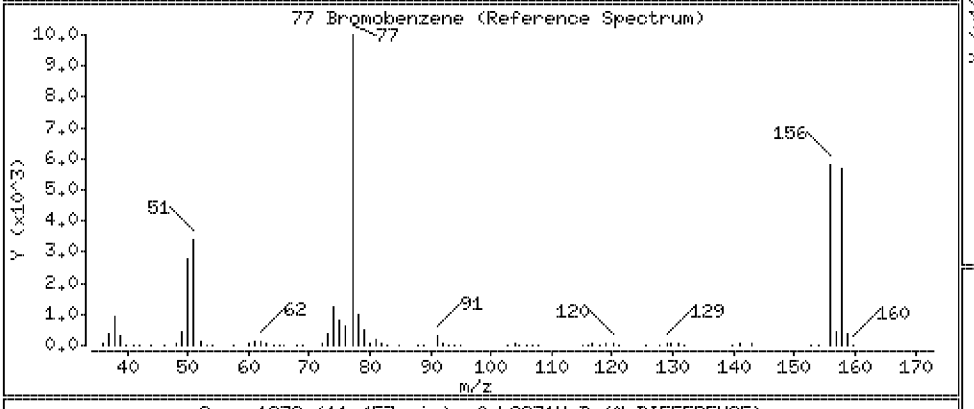
Purge Volume: 5.0 Operator:

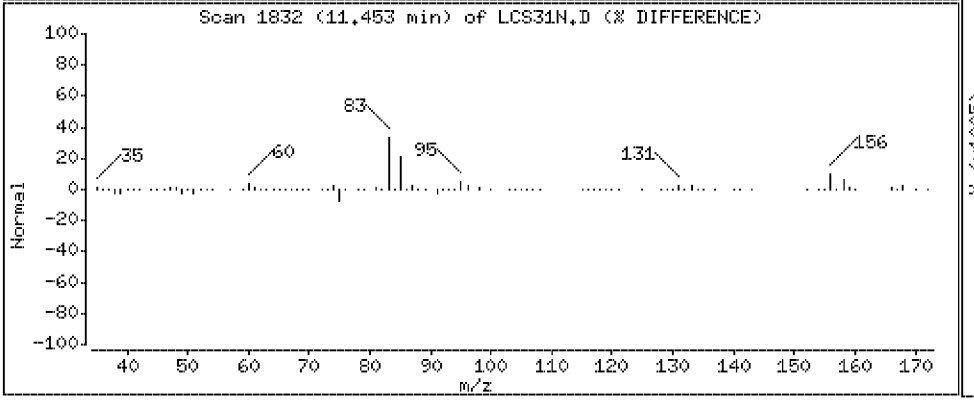
Column phase: RTX-502.2 Column diameter: 0.18

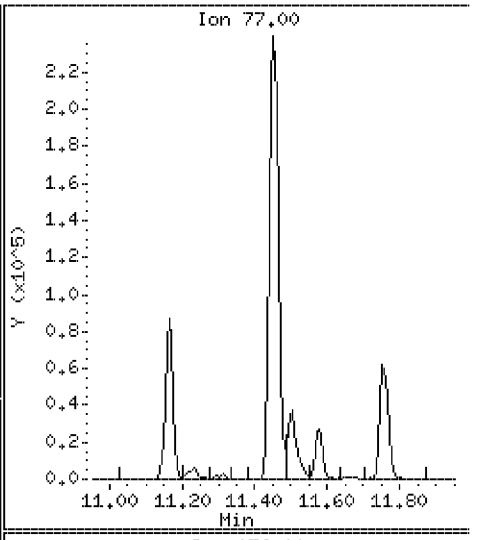
77 Bromobenzene Concentration: 20.1 ug/l

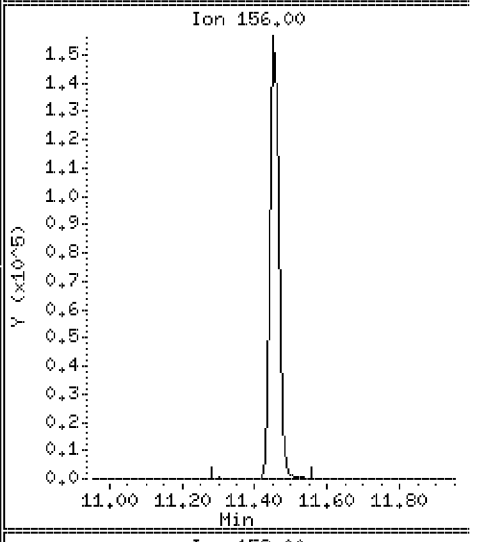


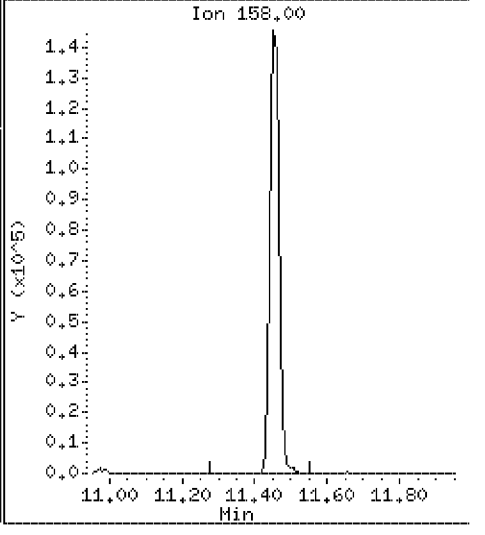












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

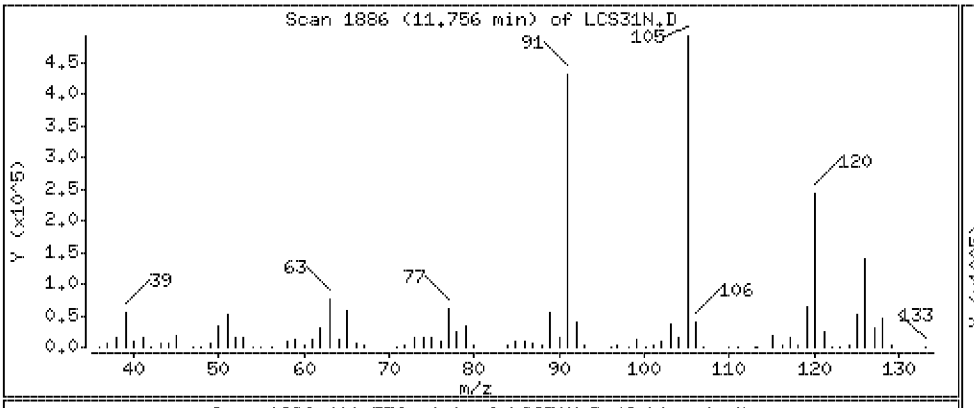
Operator:

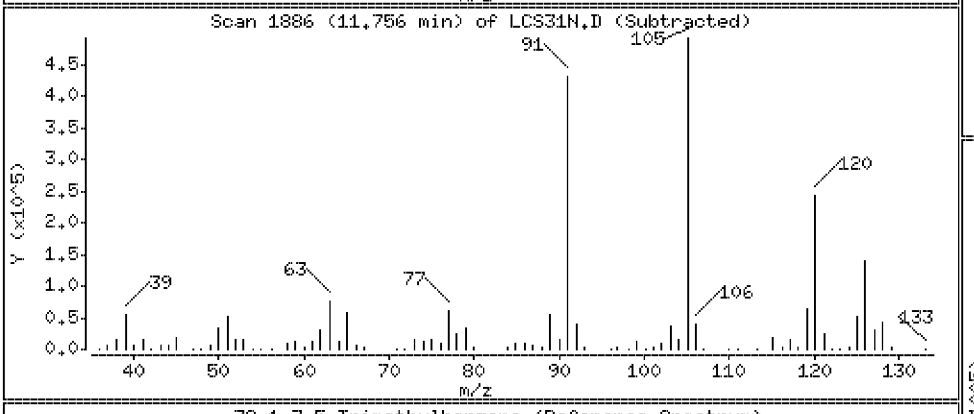
Column phase: RTX-502.2

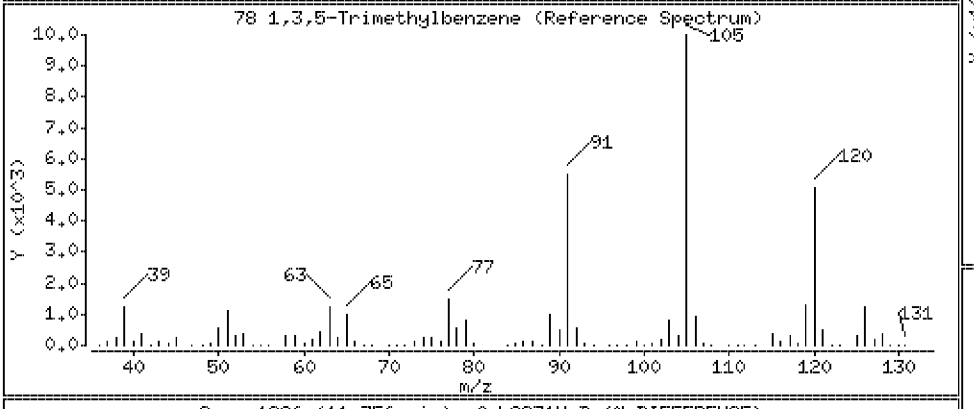
Column diameter: 0.18

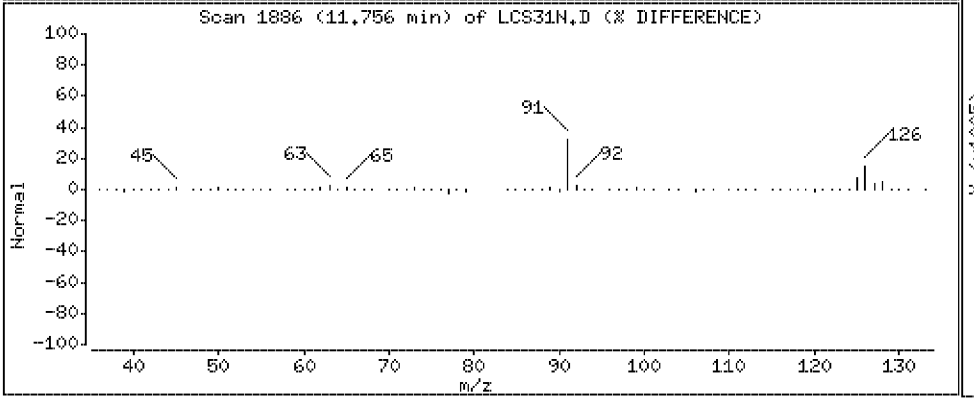
78 1,3,5-Trimethylbenzene

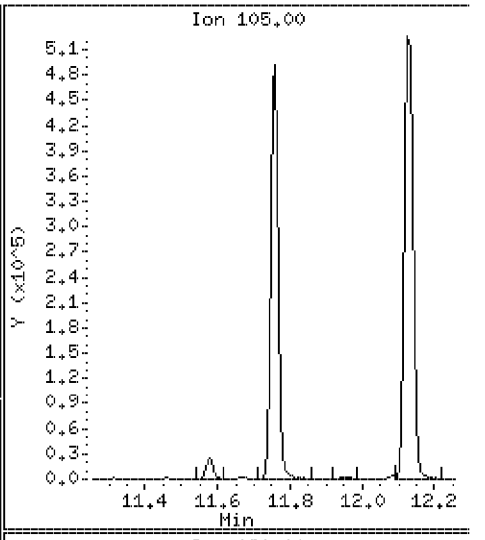
Concentration: 21.6 ug/l

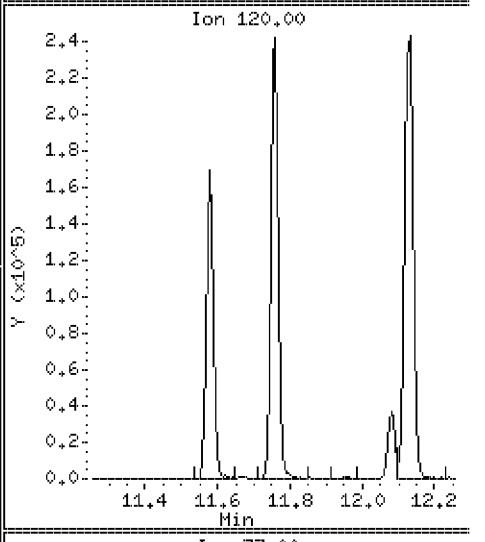


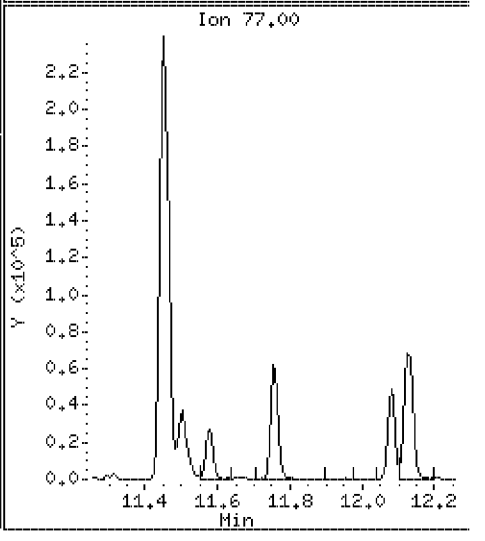












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

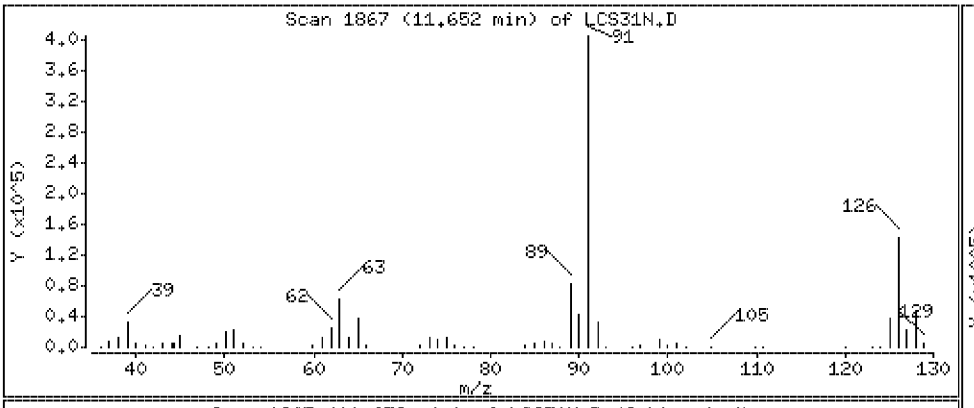
Client ID: 072710LCSA31 Instrument: vms03.i

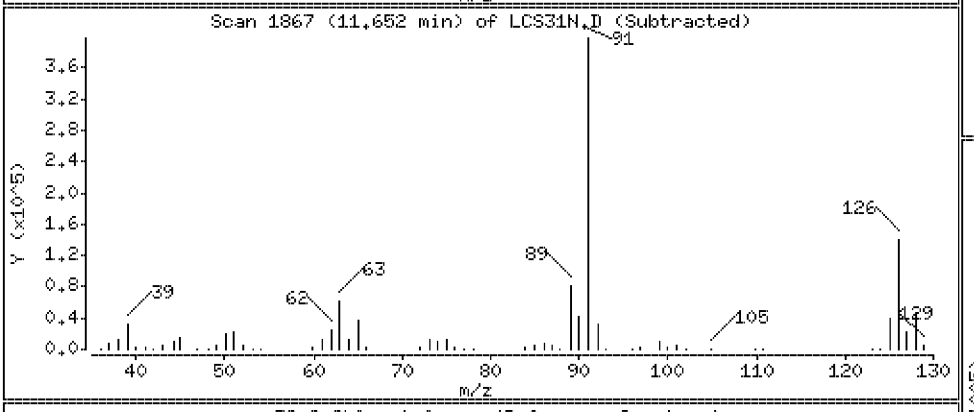
Sample Info: 072710LCSA31

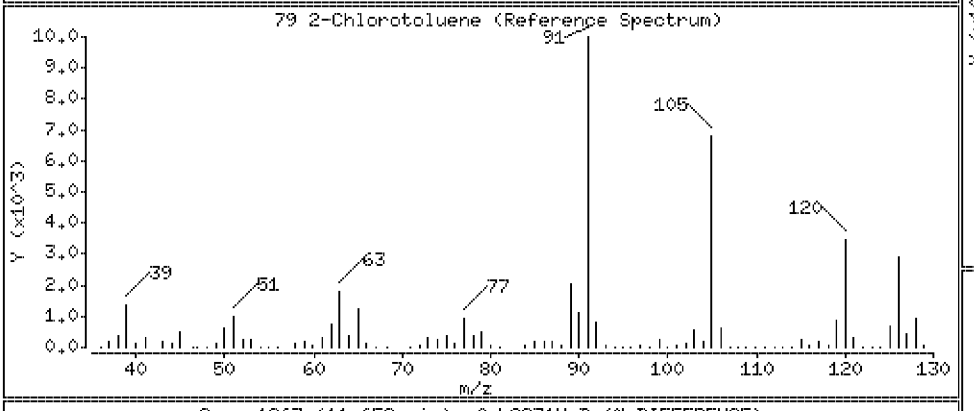
Purge Volume: 5.0 Operator:

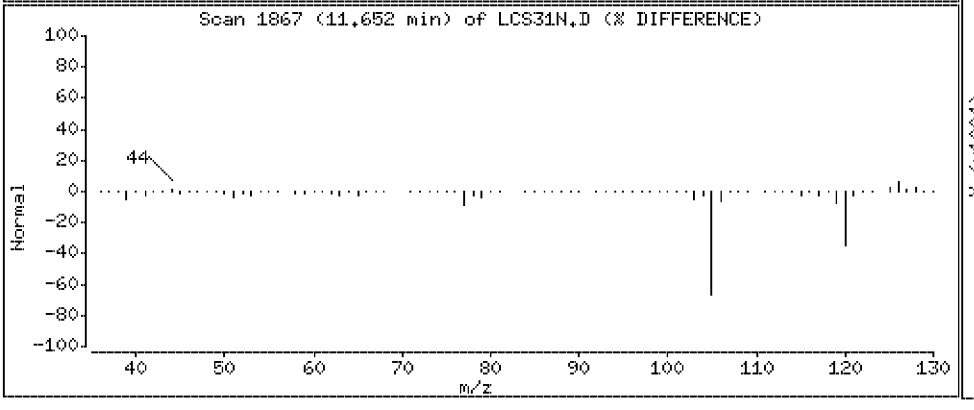
Column phase: RTX-502.2 Column diameter: 0.18

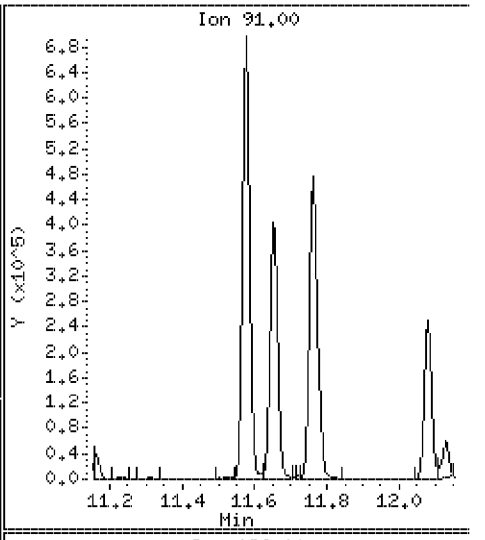
79 2-Chlorotoluene Concentration: 20.7 ug/l

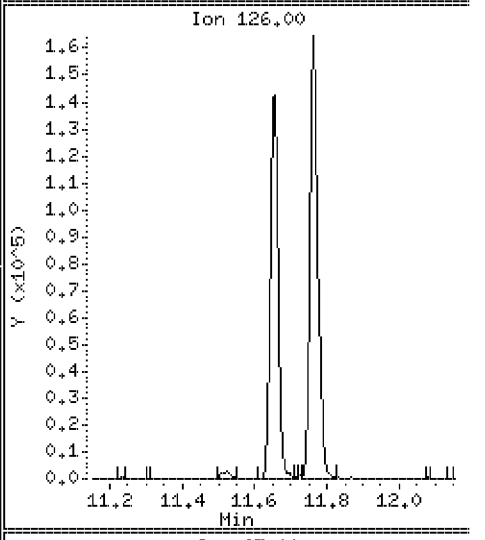


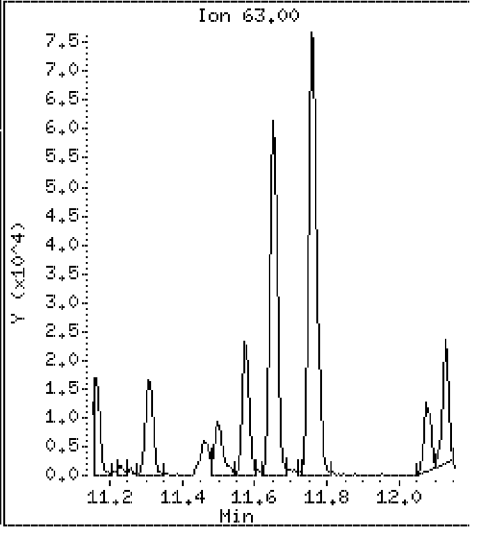












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

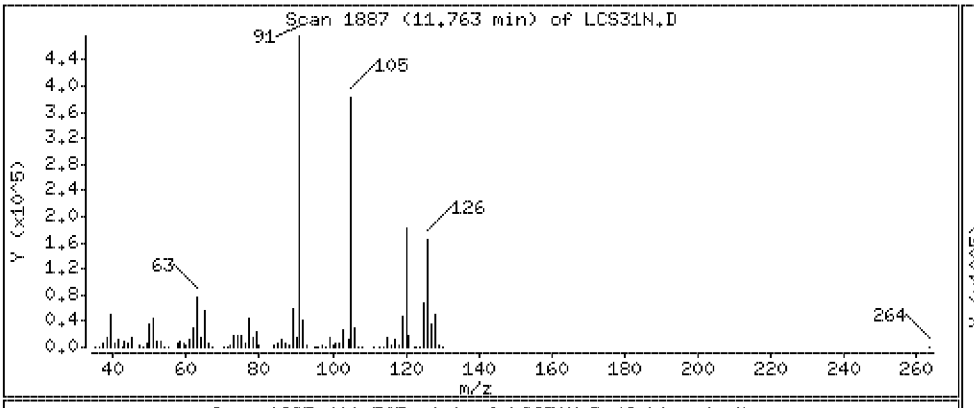
Client ID: 072710LCSA31 Instrument: vms03.i

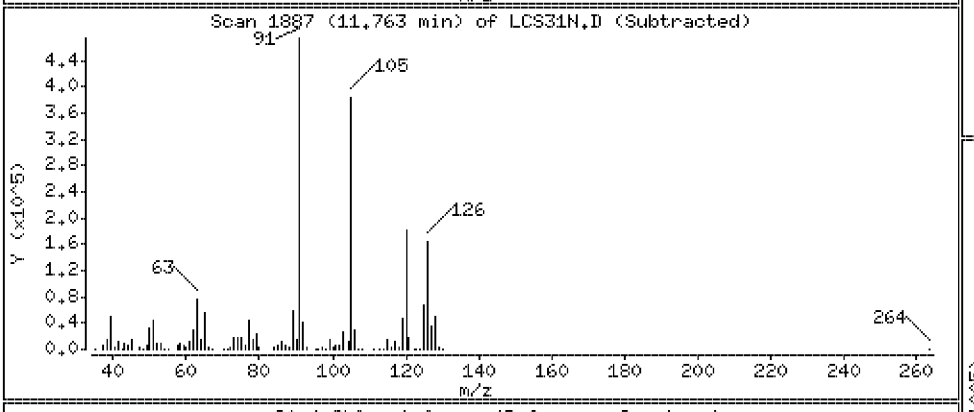
Sample Info: 072710LCSA31

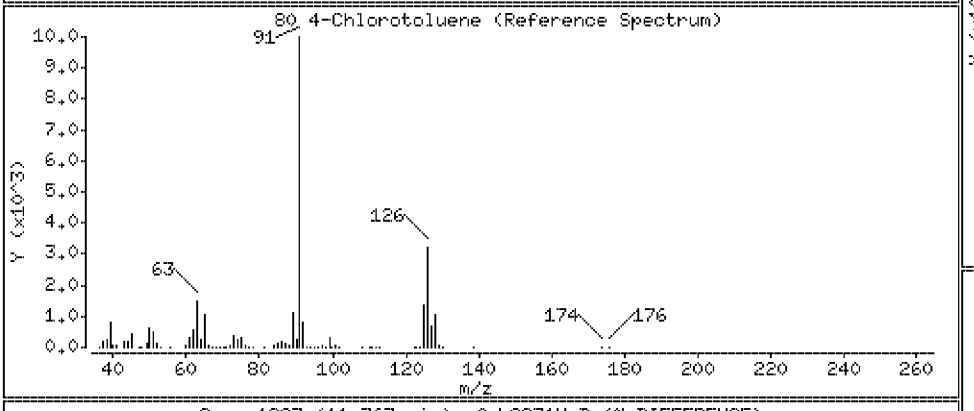
Purge Volume: 5.0 Operator:

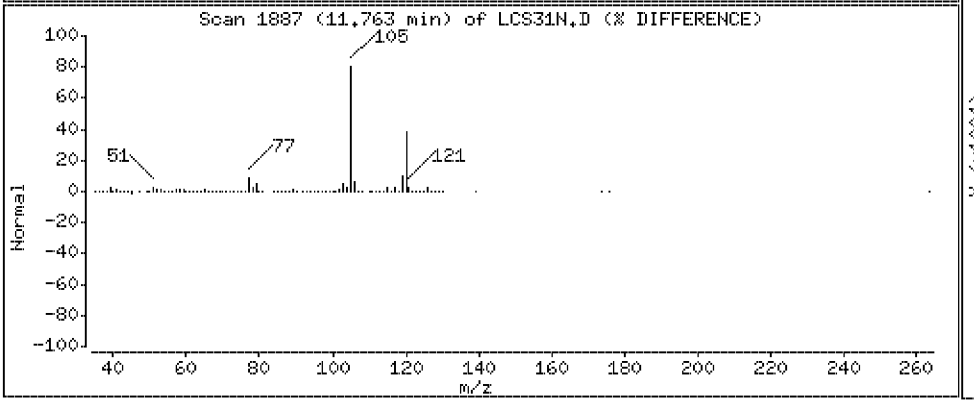
Column phase: RTX-502.2 Column diameter: 0.18

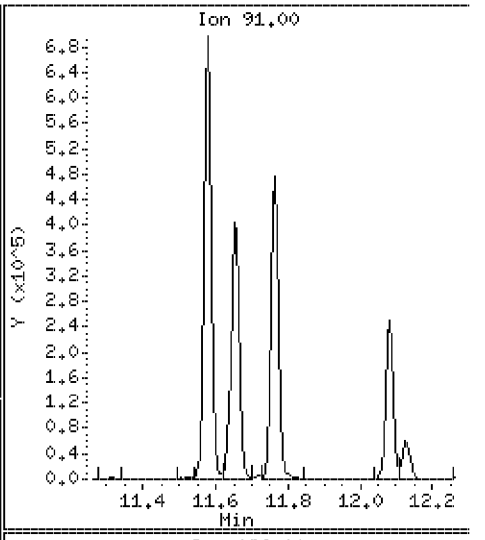
80 4-Chlorotoluene Concentration: 20.7 ug/l

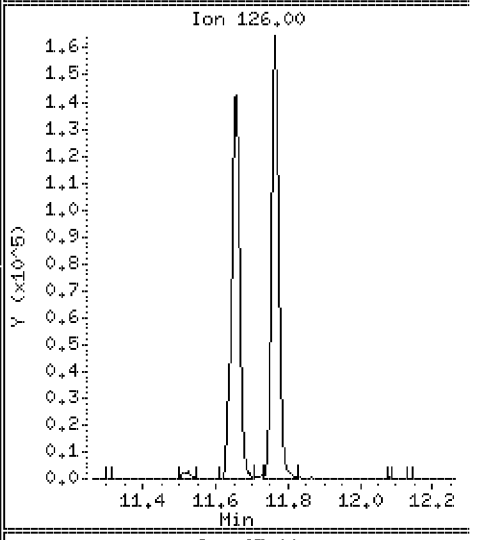


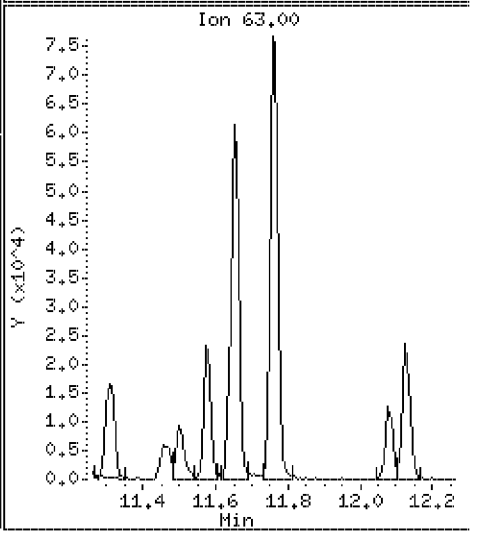












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

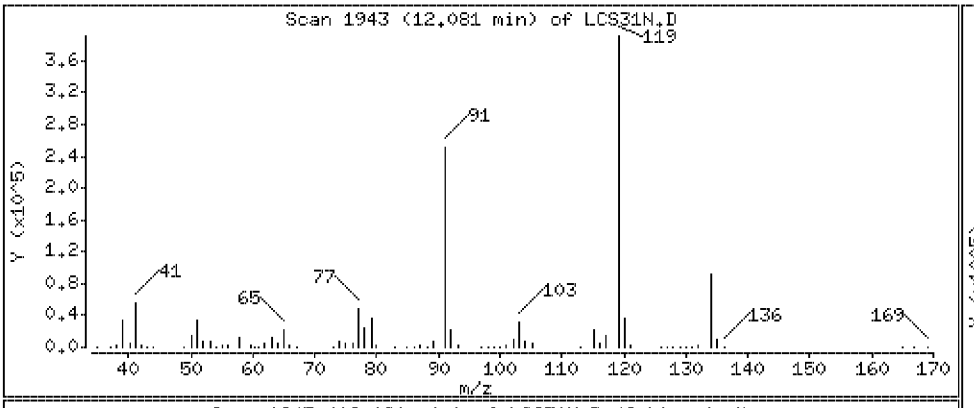
Client ID: 072710LCSA31 Instrument: vms03.i

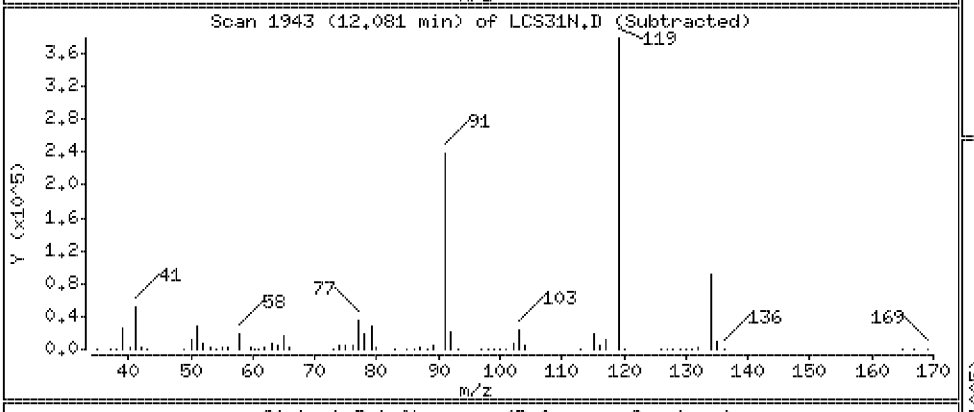
Sample Info: 072710LCSA31

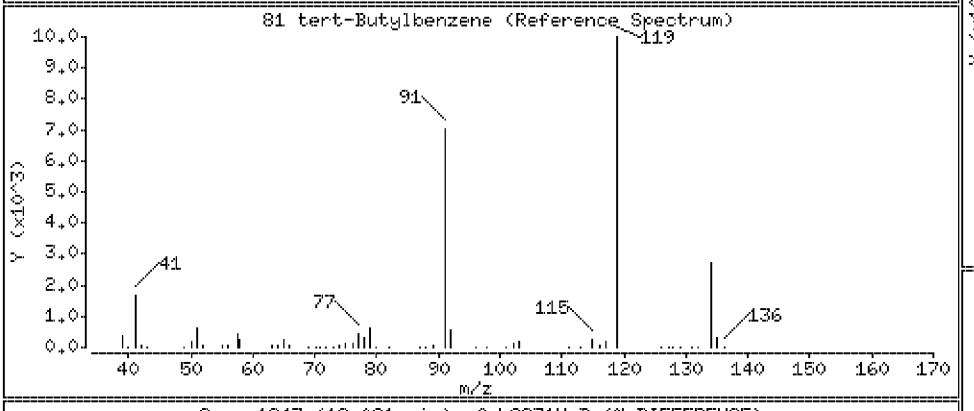
Purge Volume: 5.0 Operator:

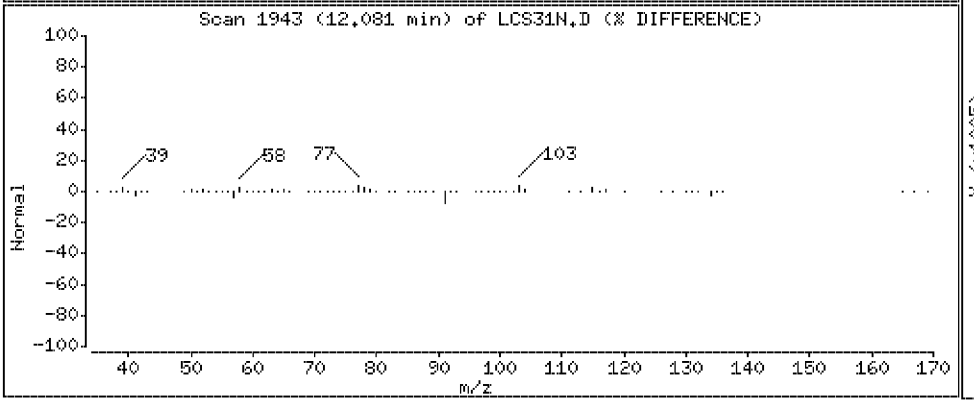
Column phase: RTX-502.2 Column diameter: 0.18

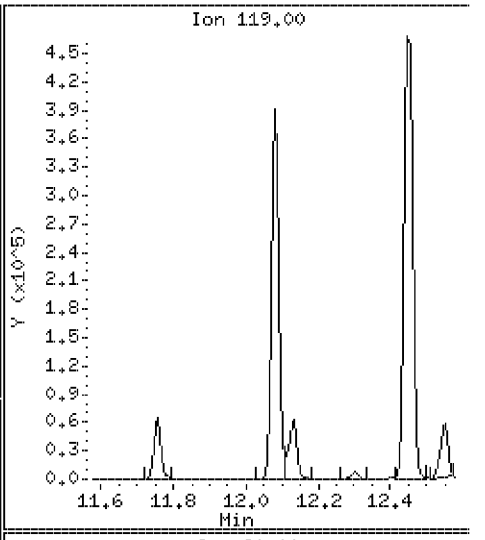
81 tert-Butylbenzene Concentration: 21.4 ug/l

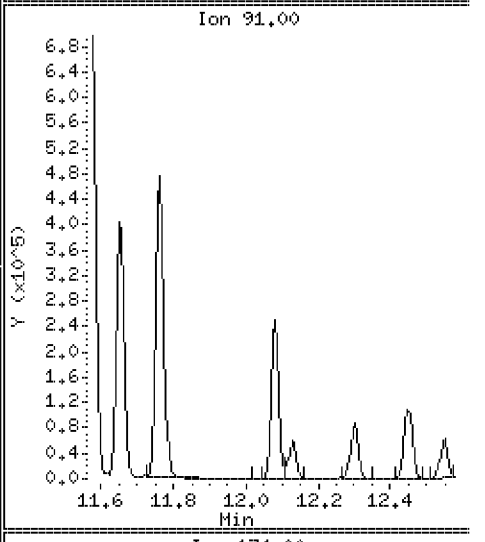


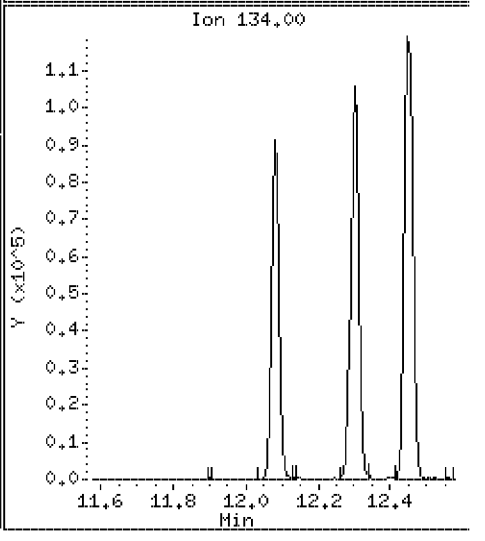












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

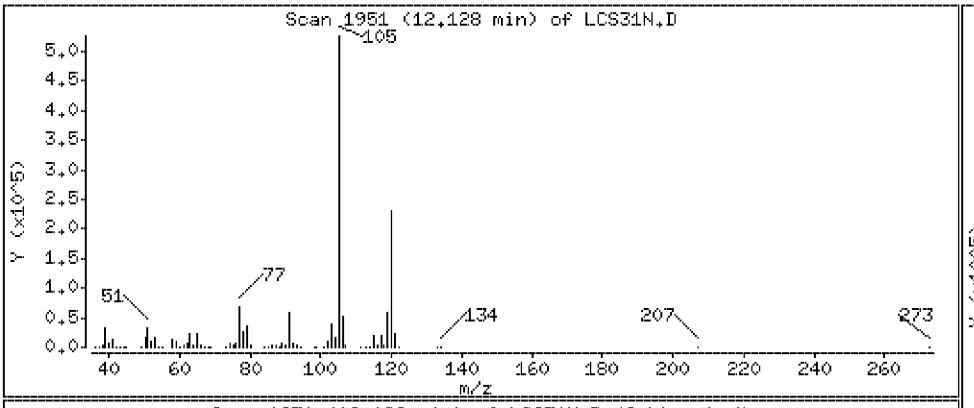
Operator:

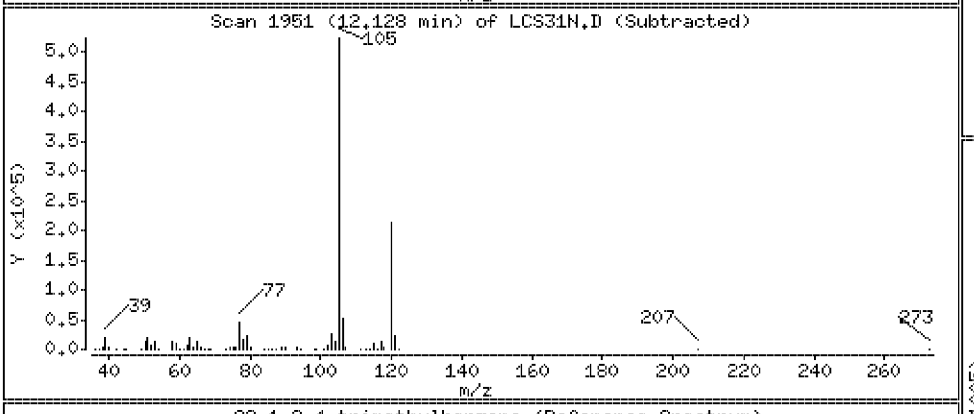
Column phase: RTX-502.2

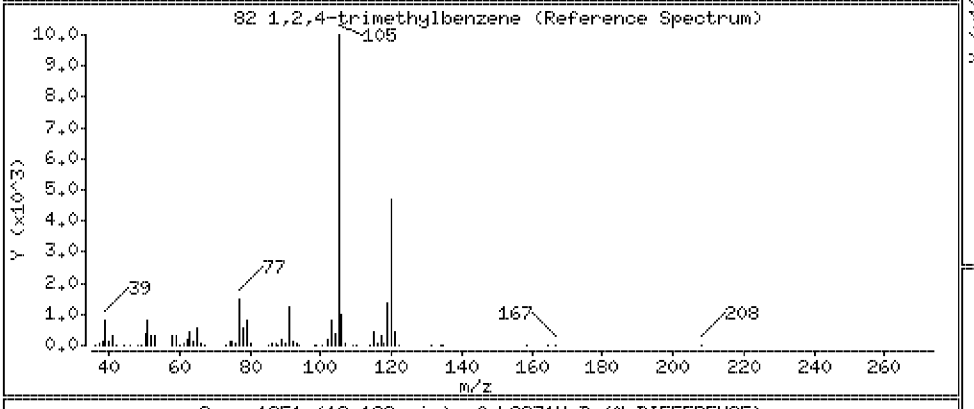
Column diameter: 0.18

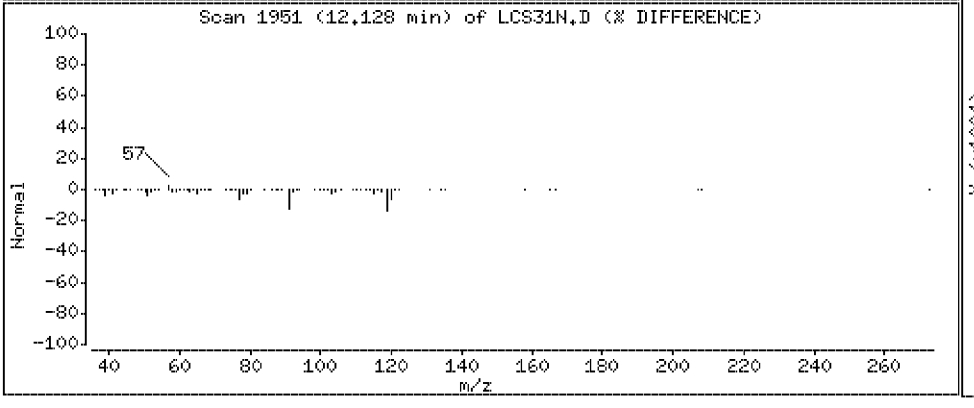
82 1,2,4-trimethylbenzene

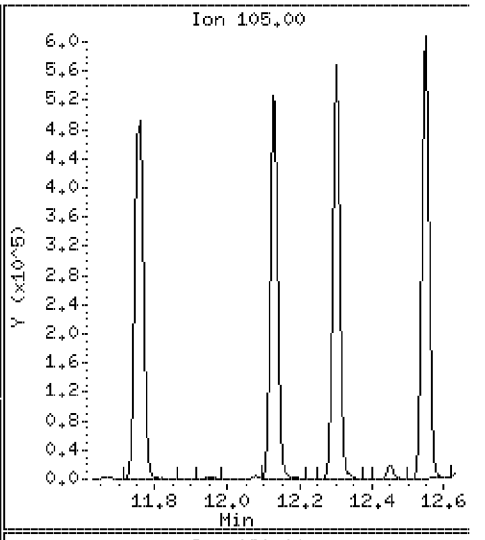
Concentration: 21.6 ug/l

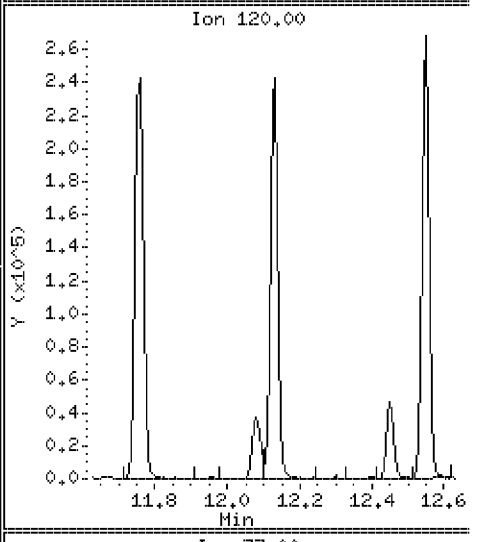


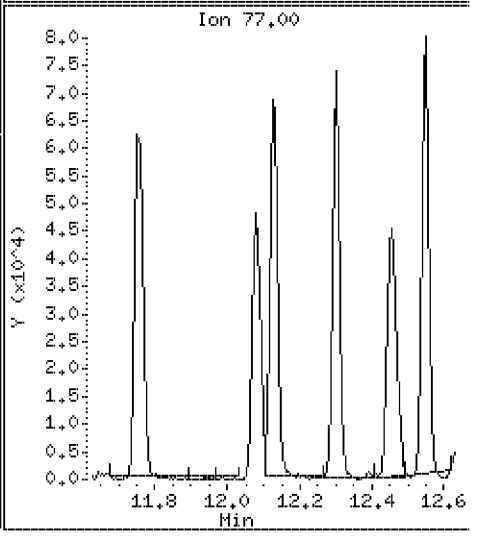












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

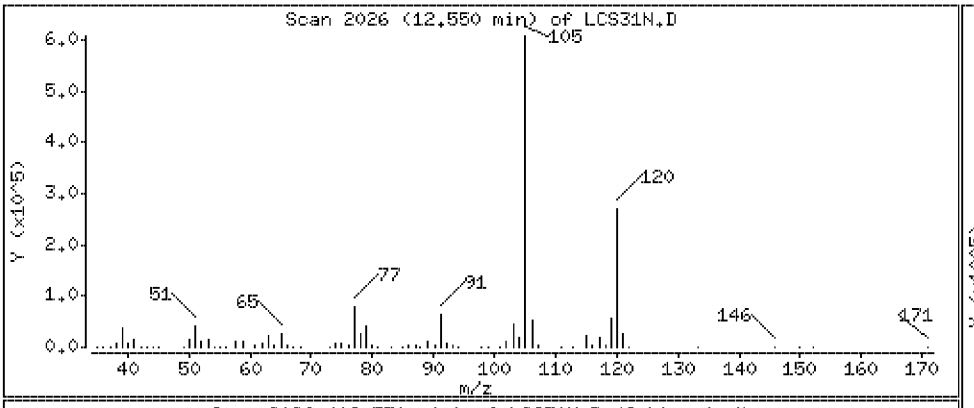
Operator:

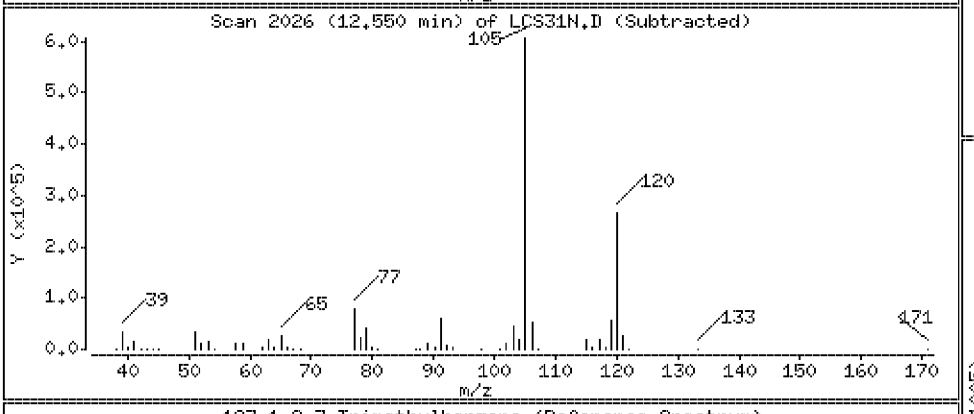
Column phase: RTX-502.2

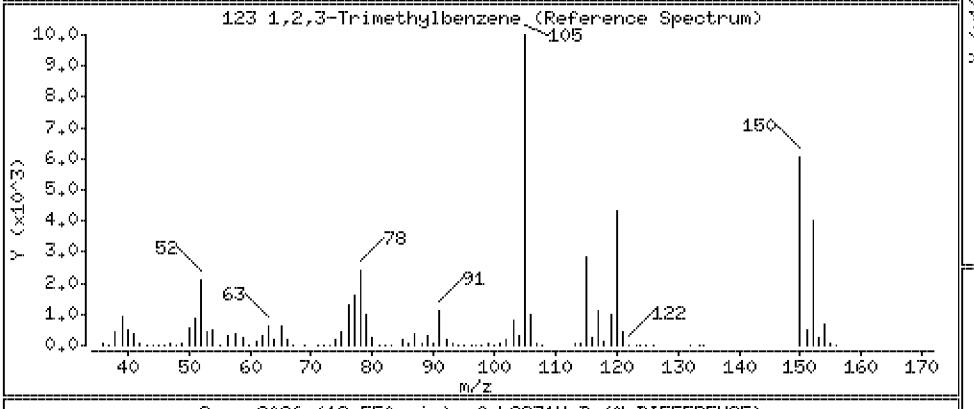
Column diameter: 0.18

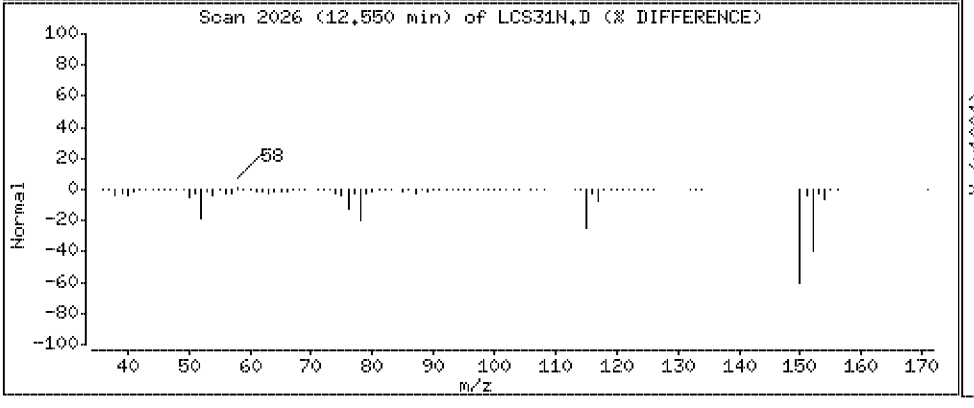
123 1,2,3-Trimethylbenzene

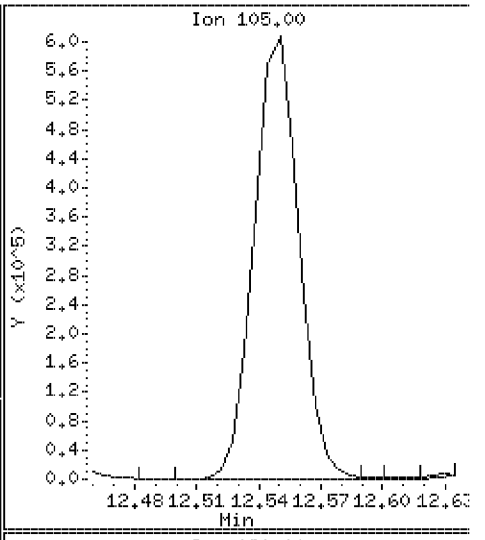
Concentration: 22.8 ug/l

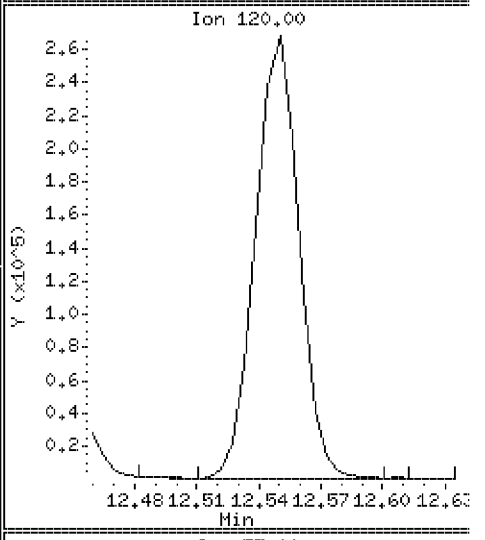


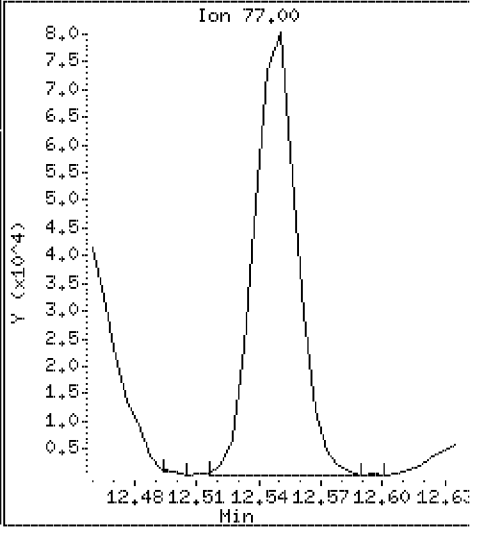












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

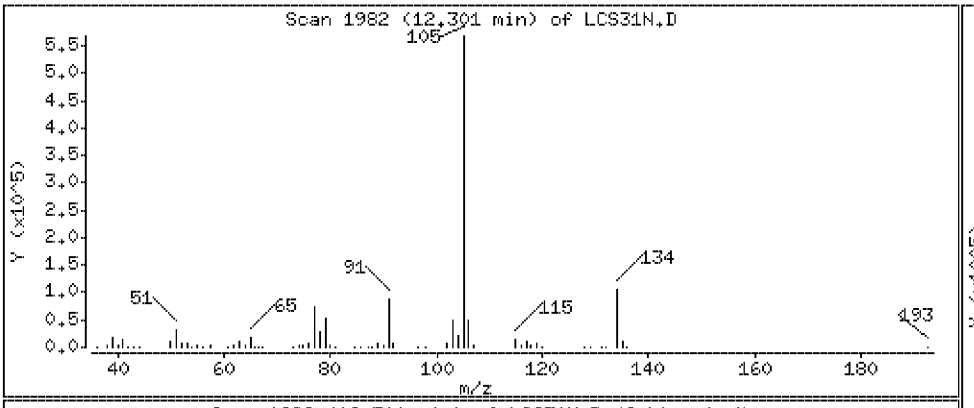
Operator:

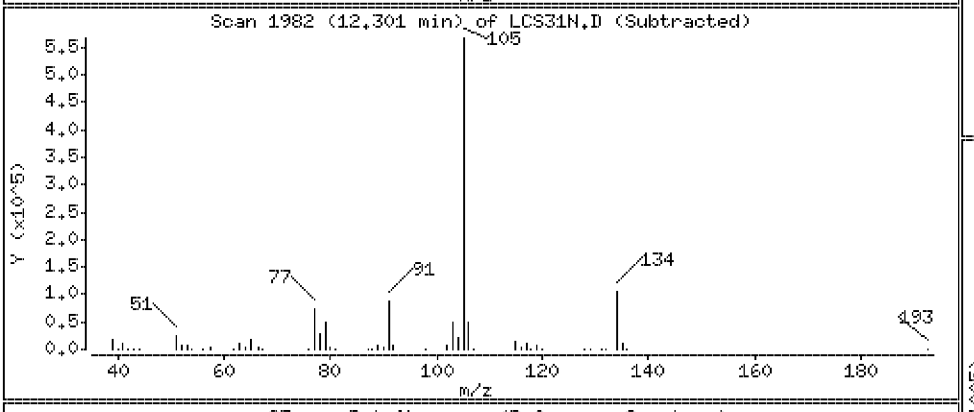
Column phase: RTX-502.2

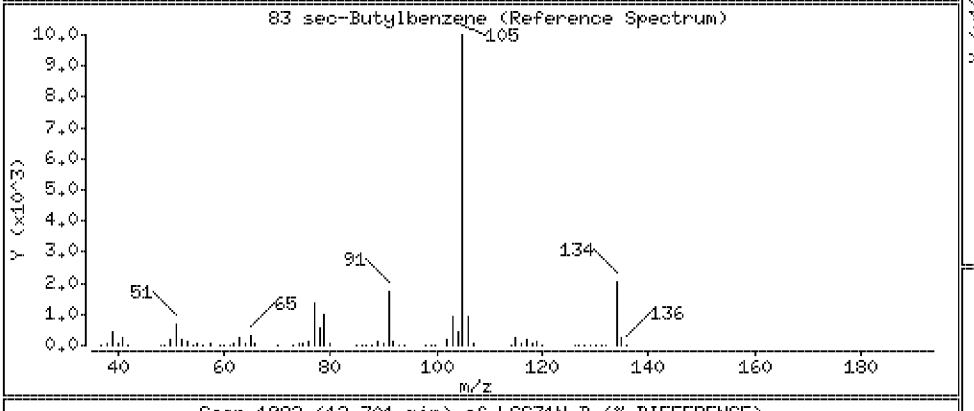
Column diameter: 0.18

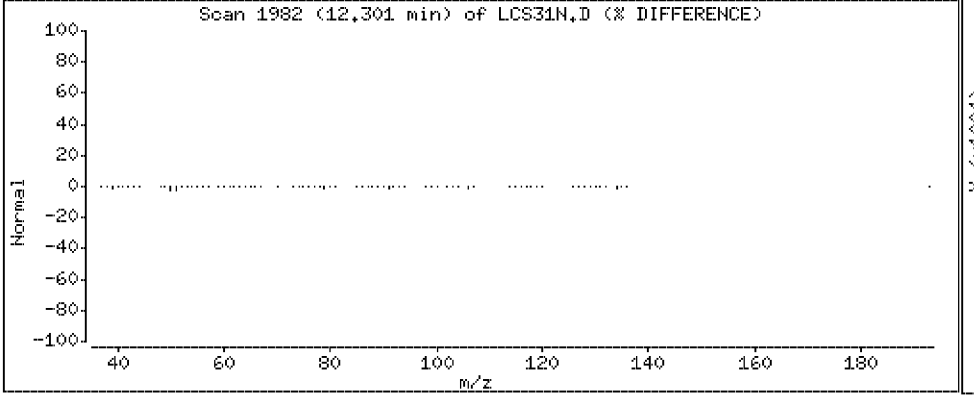
83 sec-Butylbenzene

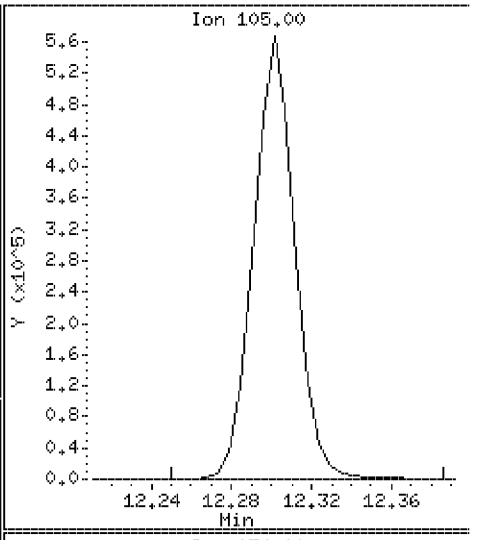
Concentration: 21.9 ug/l

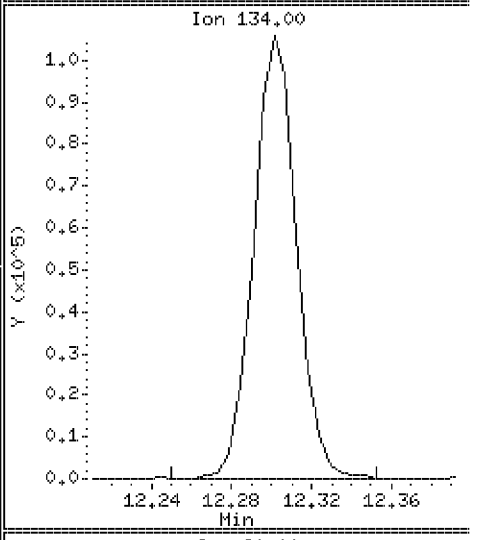


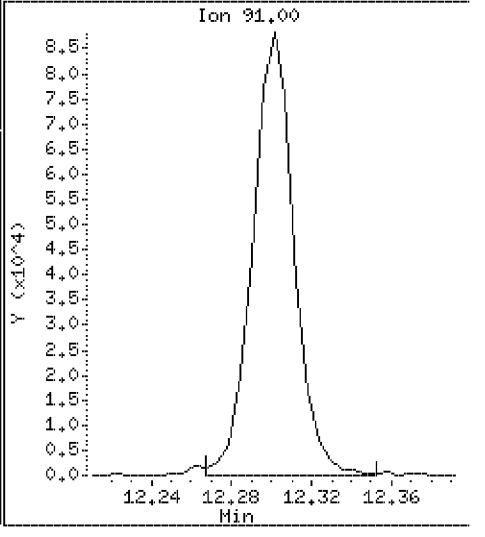












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

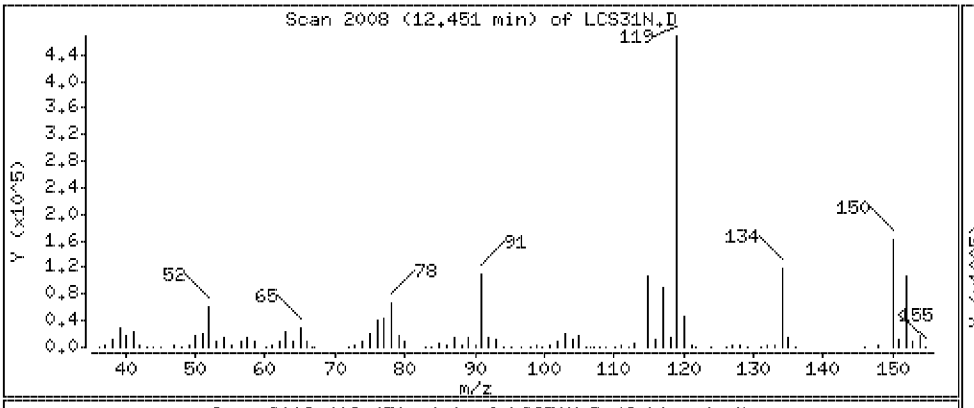
Operator:

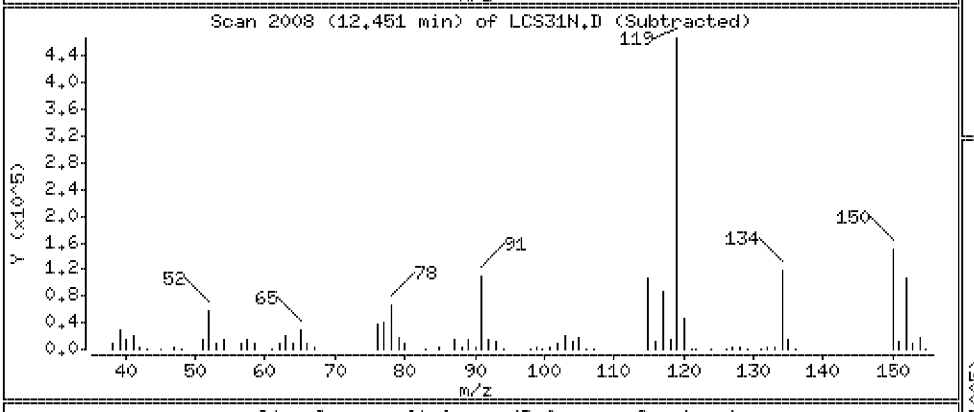
Column phase: RTX-502.2

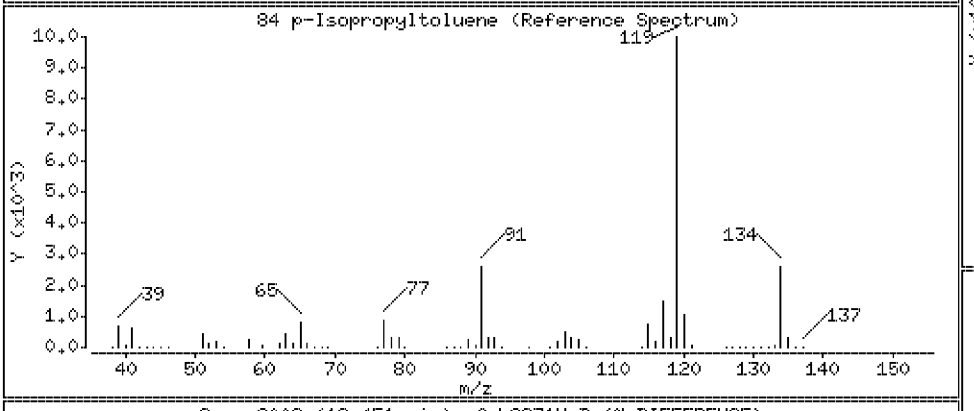
Column diameter: 0.18

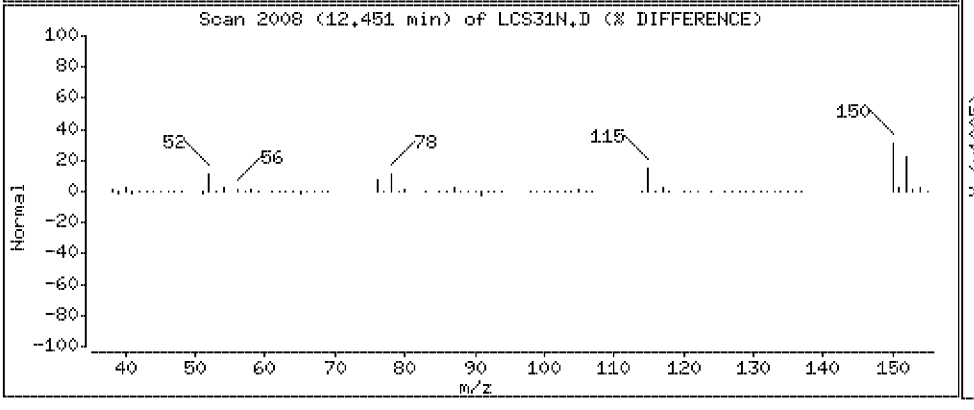
84 p-Isopropyltoluene

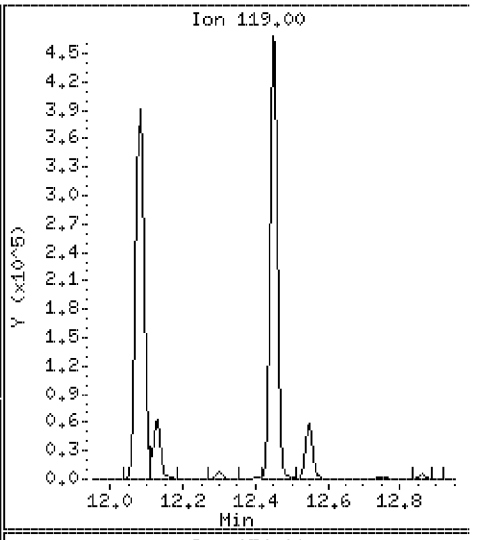
Concentration: 21.6 ug/l

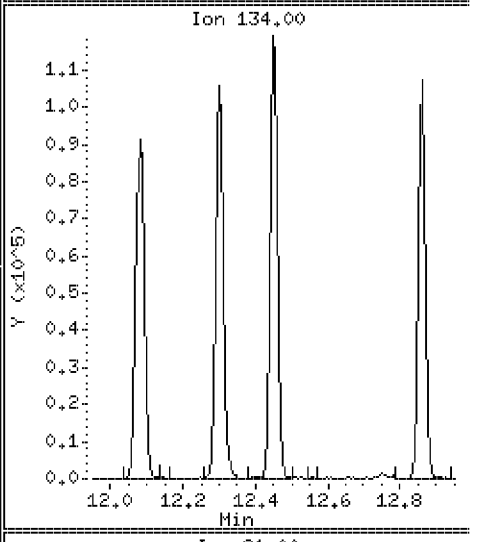


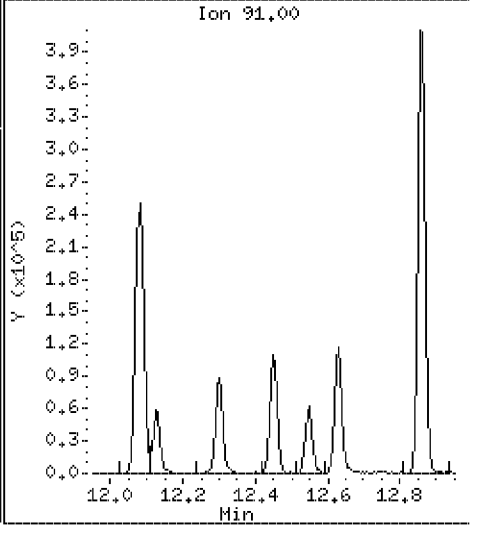












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

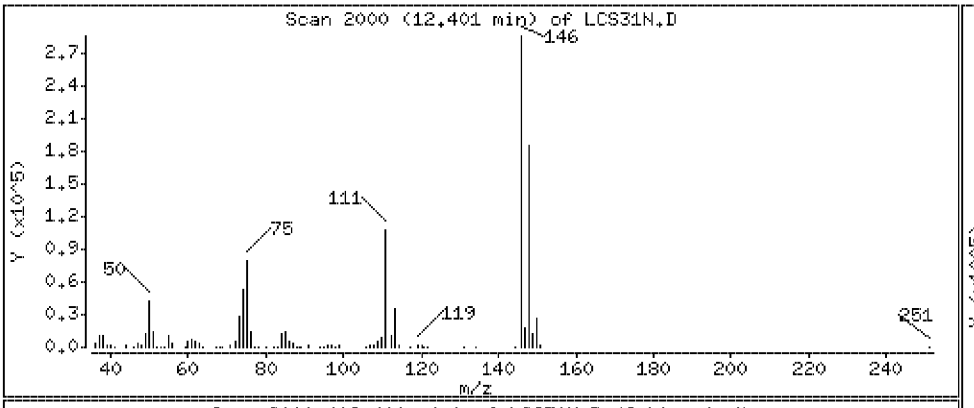
Operator:

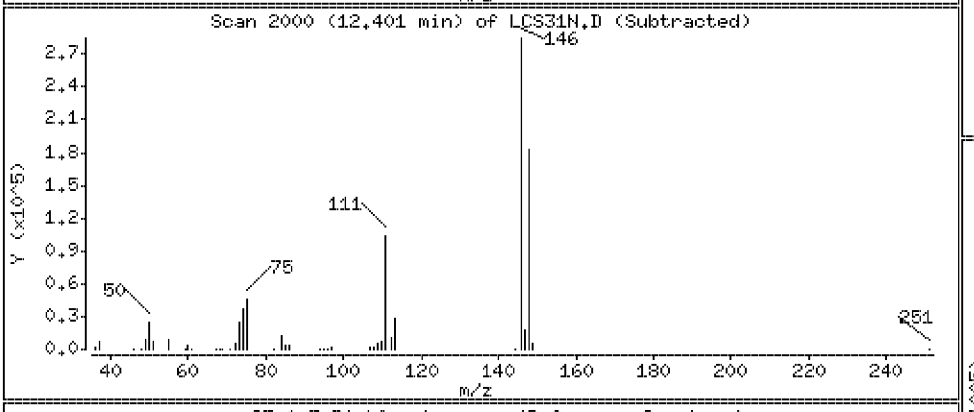
Column phase: RTX-502.2

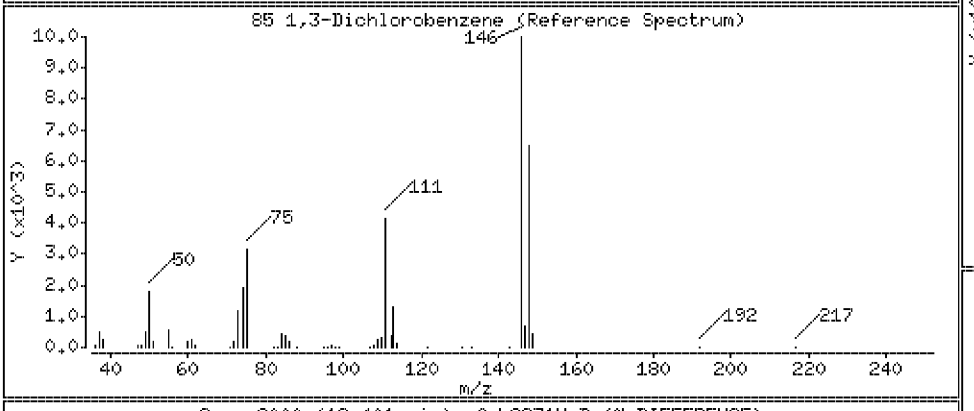
Column diameter: 0.18

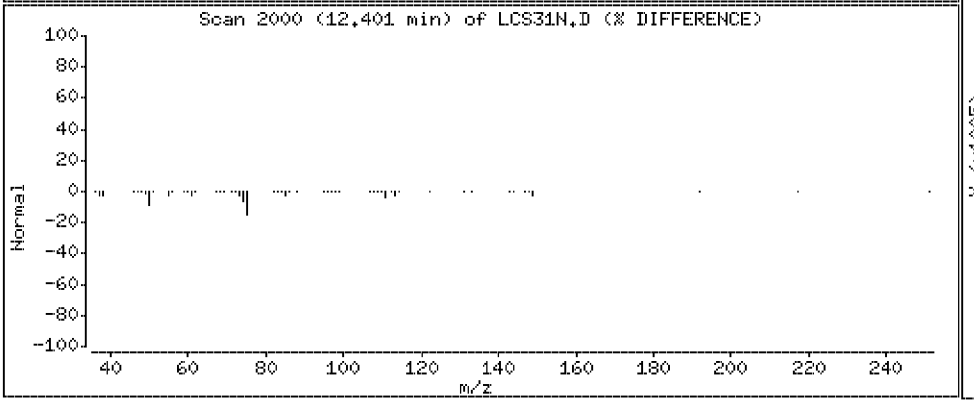
85 1,3-Dichlorobenzene

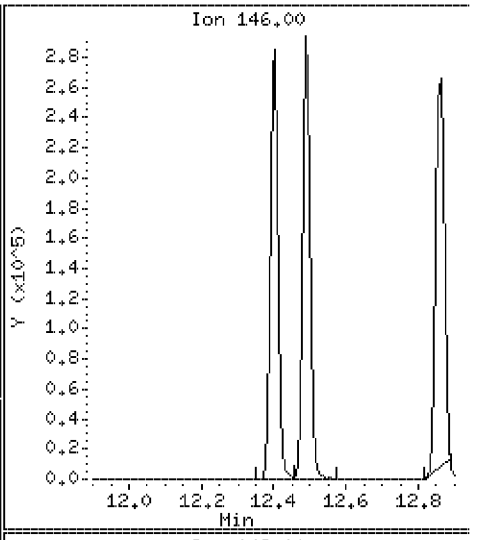
Concentration: 21.1 ug/l

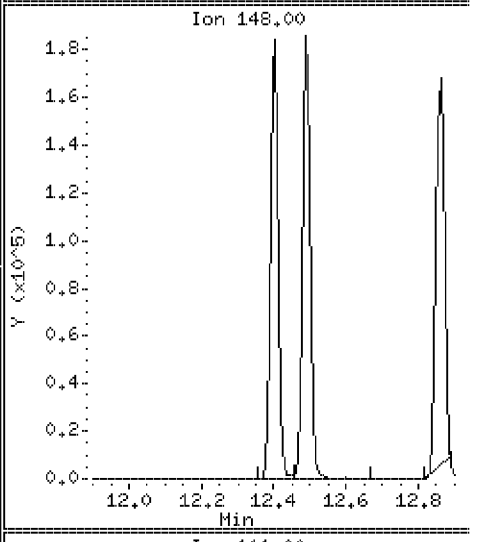


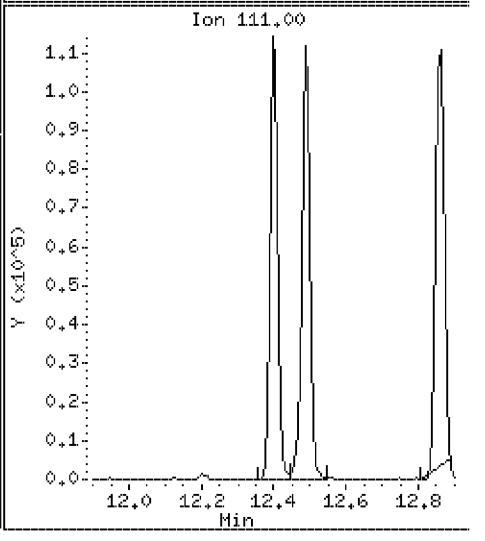












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

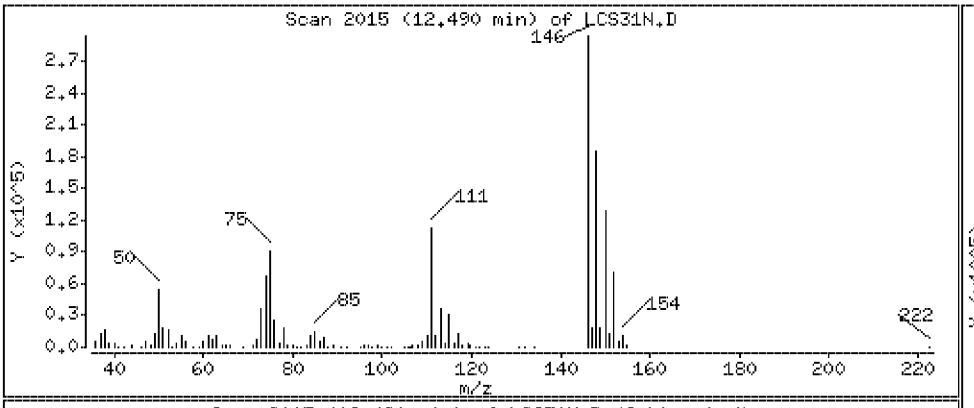
Operator:

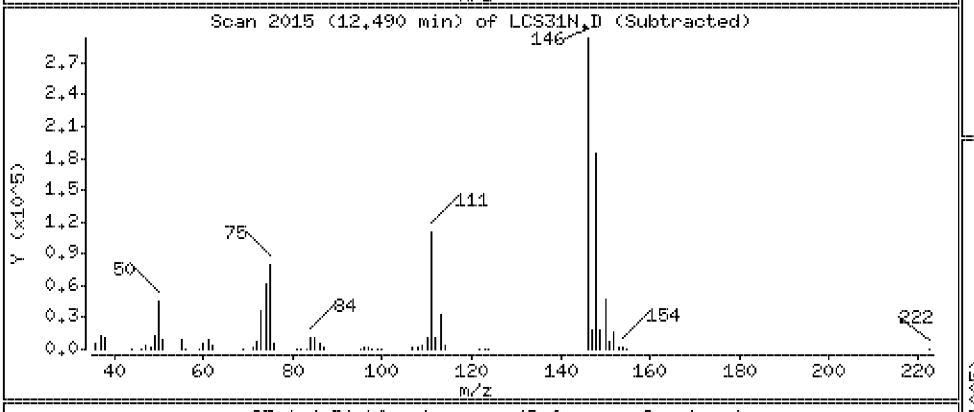
Column phase: RTX-502.2

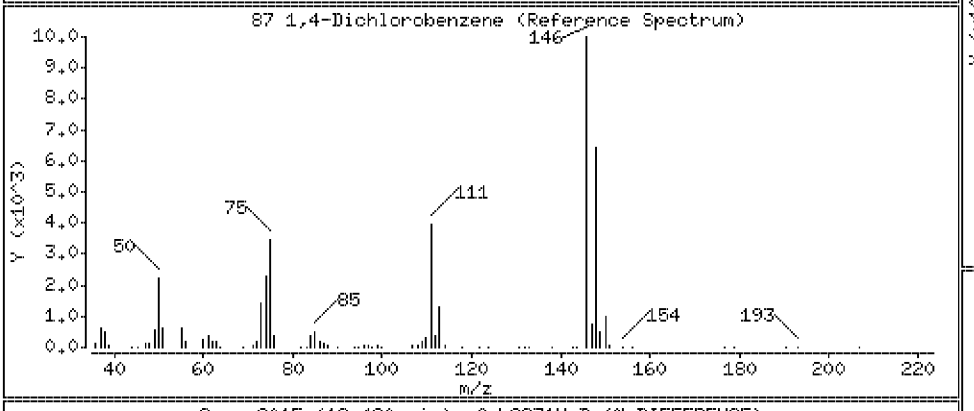
Column diameter: 0.18

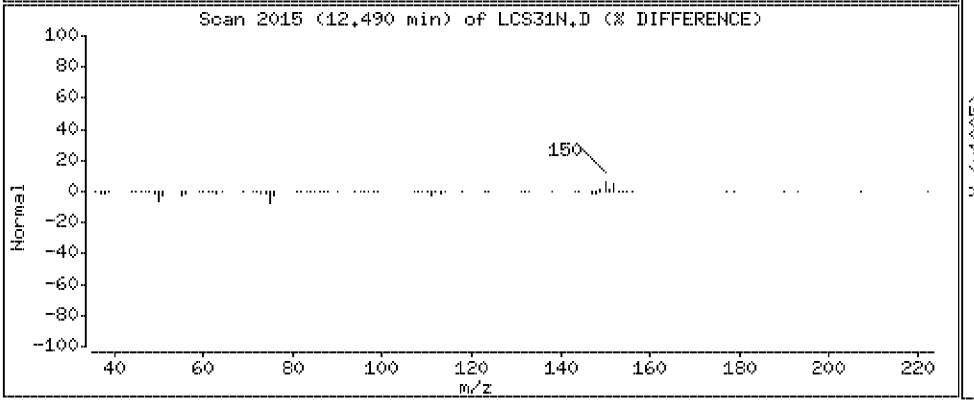
87 1,4-Dichlorobenzene

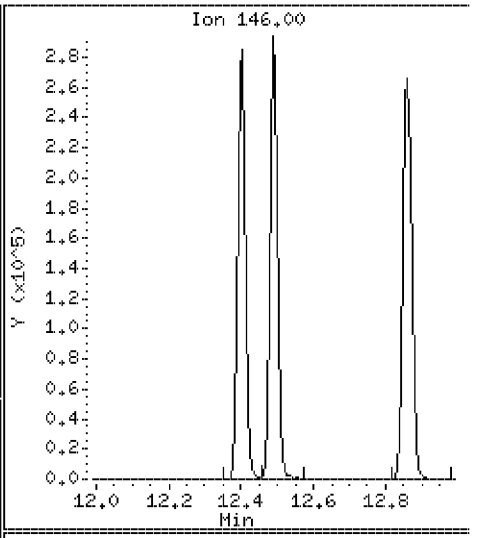
Concentration: 20.0 ug/l

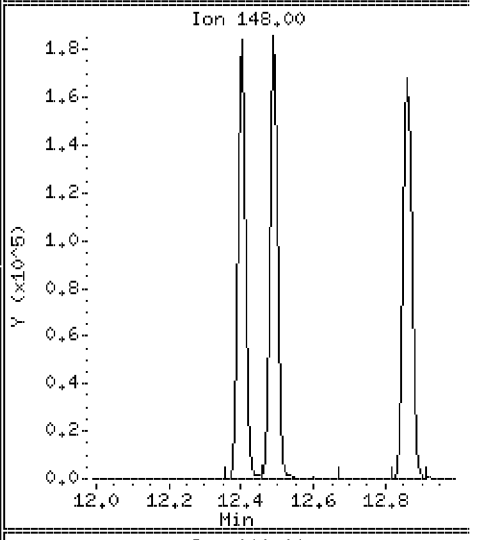


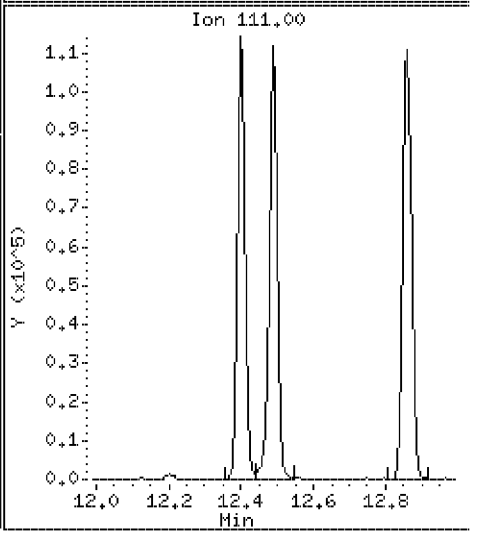












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

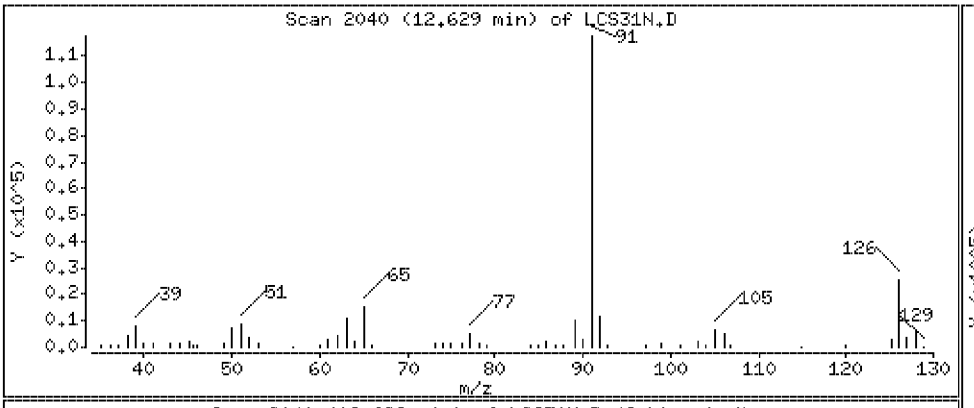
Operator:

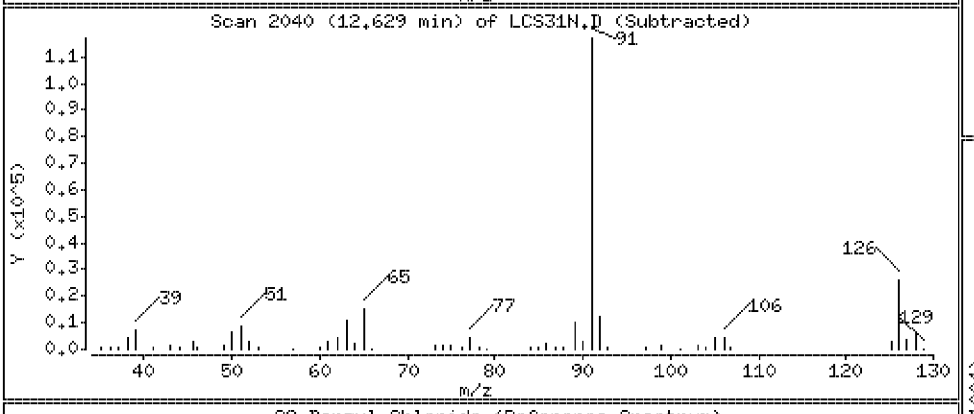
Column phase: RTX-502.2

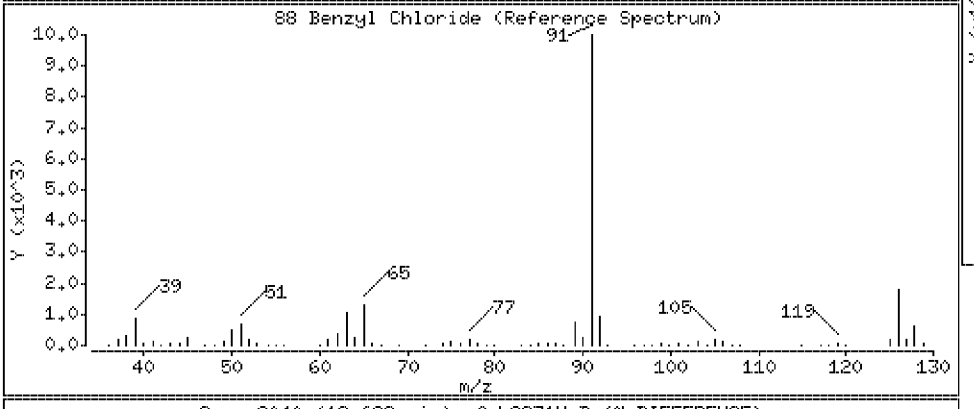
Column diameter: 0.18

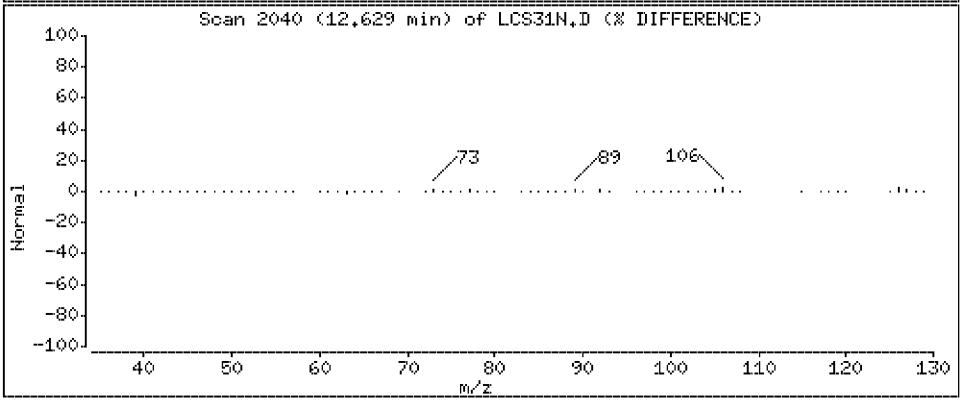
88 Benzyl Chloride

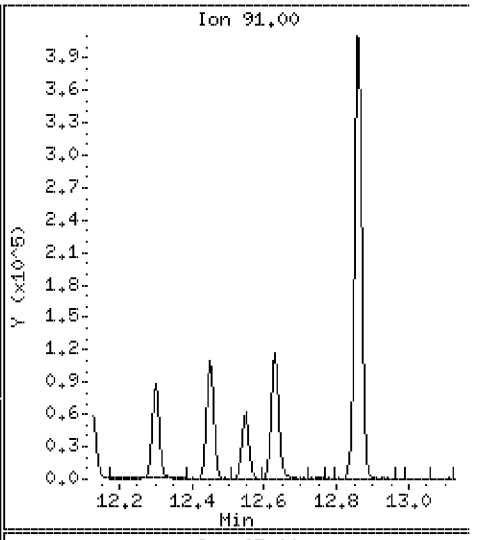
Concentration: 16.7 ug/l

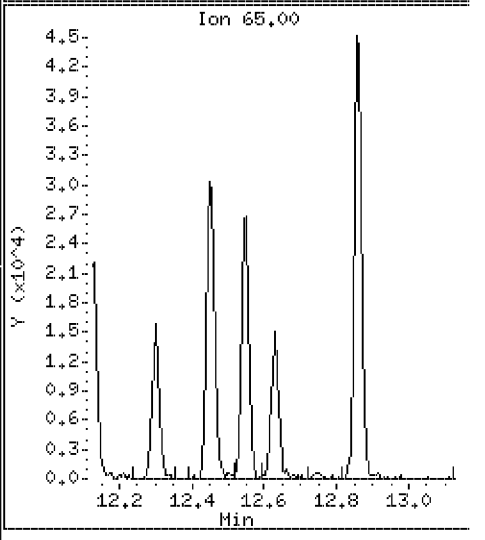












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

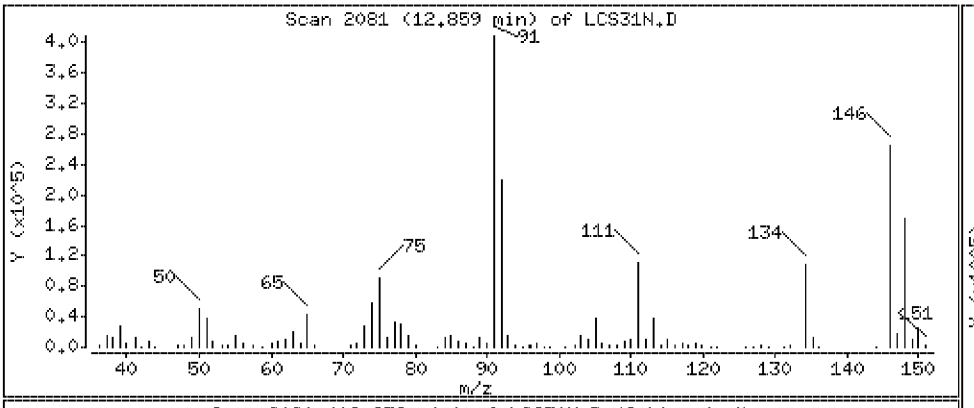
Operator:

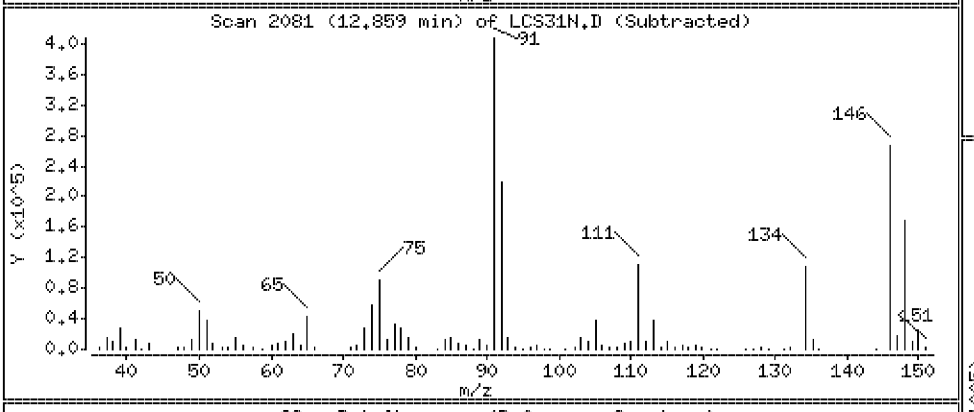
Column phase: RTX-502.2

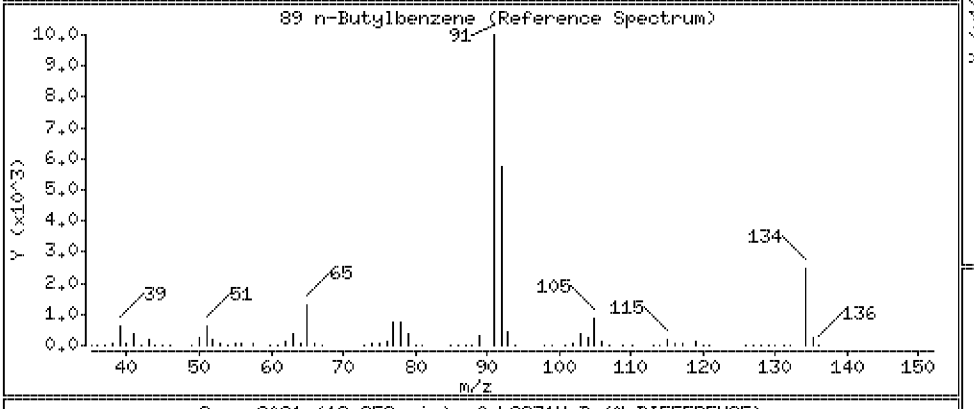
Column diameter: 0.18

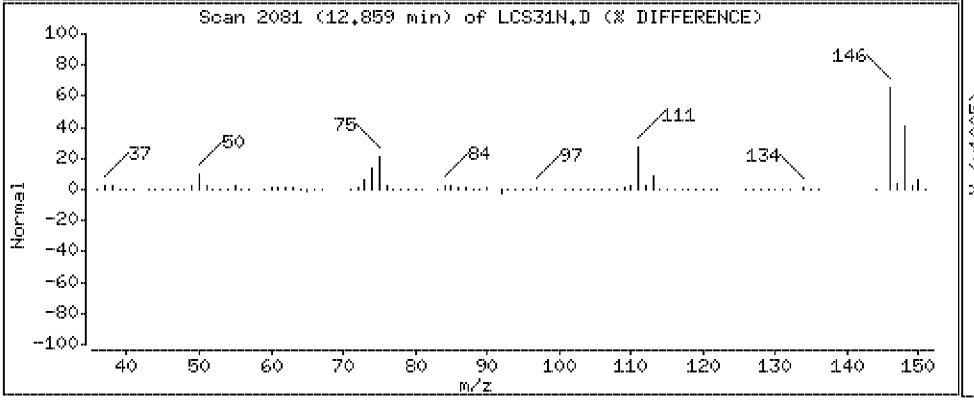
89 n-Butylbenzene

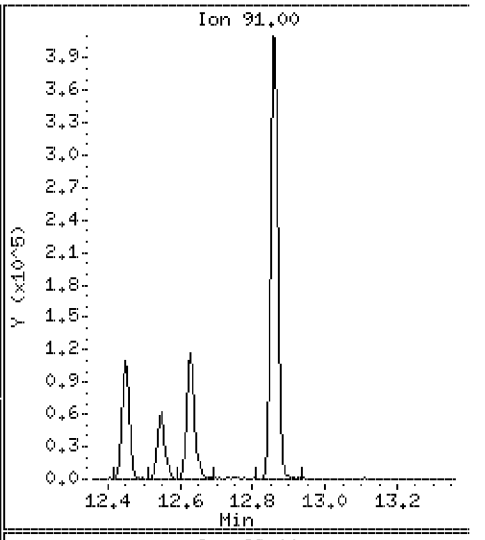
Concentration: 22.1 ug/l

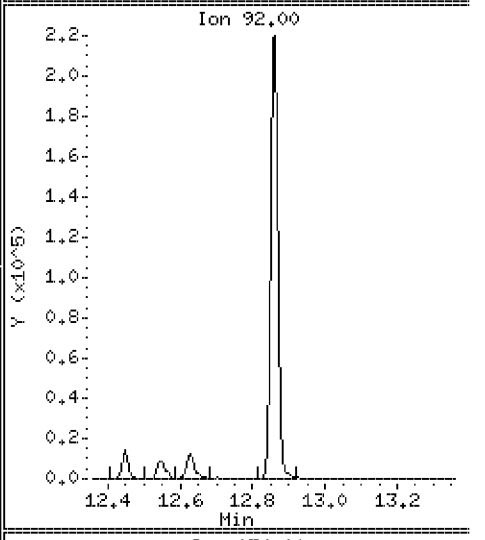


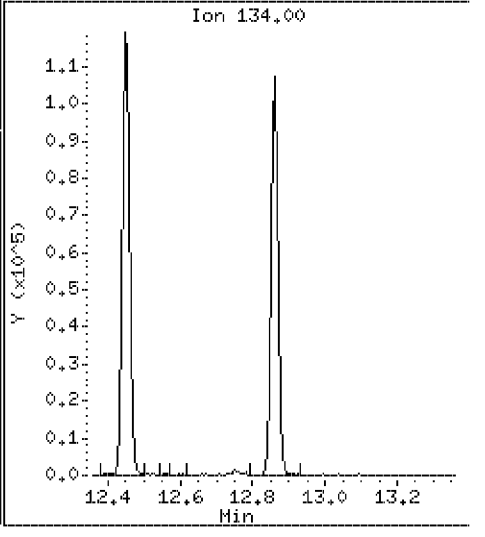












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

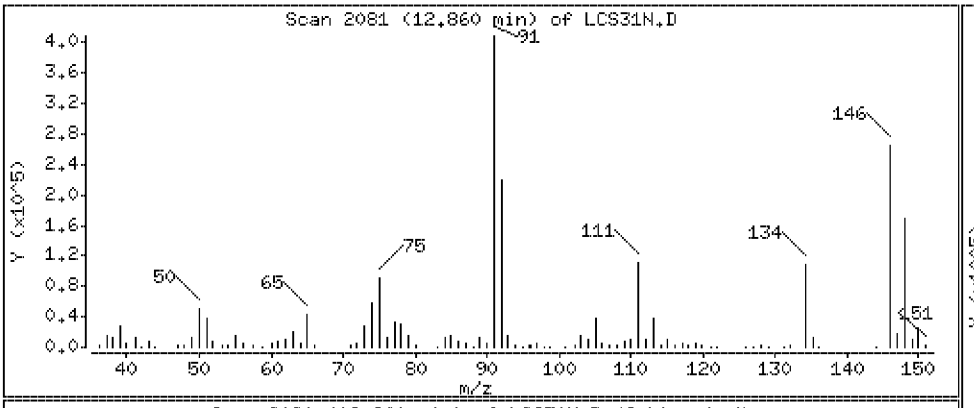
Client ID: 072710LCSA31 Instrument: vms03.i

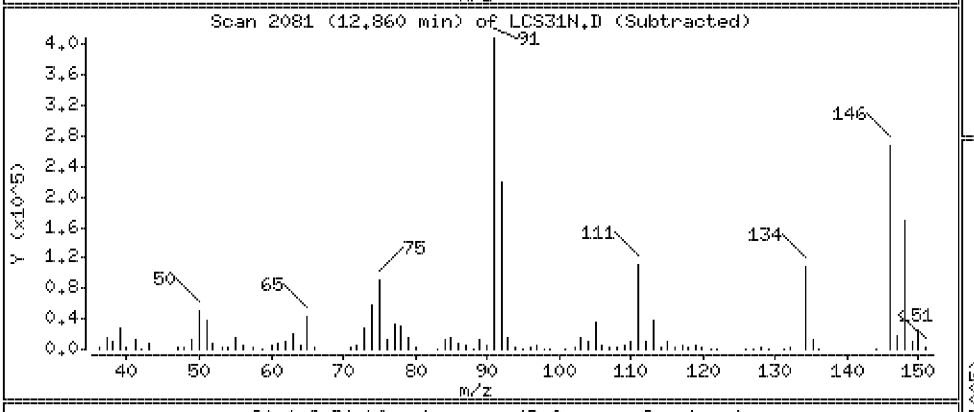
Sample Info: 072710LCSA31

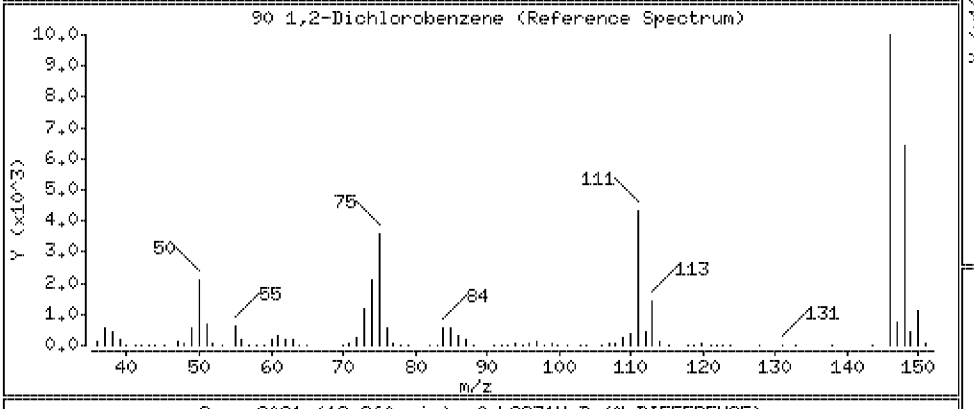
Purge Volume: 5.0 Operator:

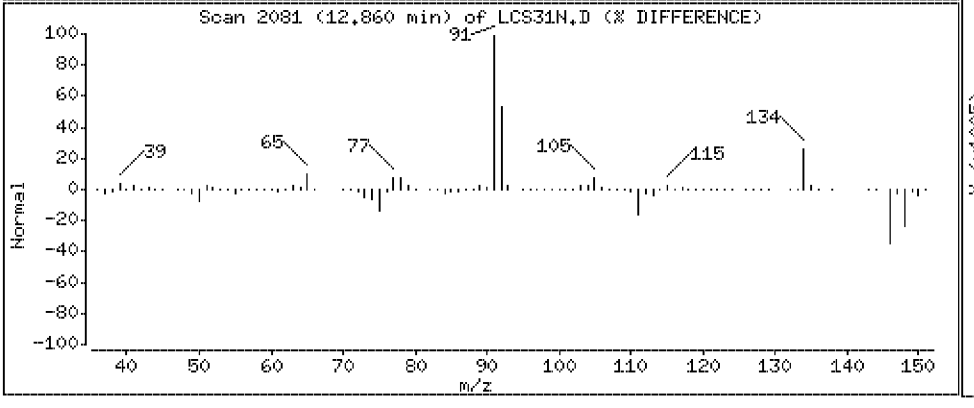
Column phase: RTX-502.2 Column diameter: 0.18

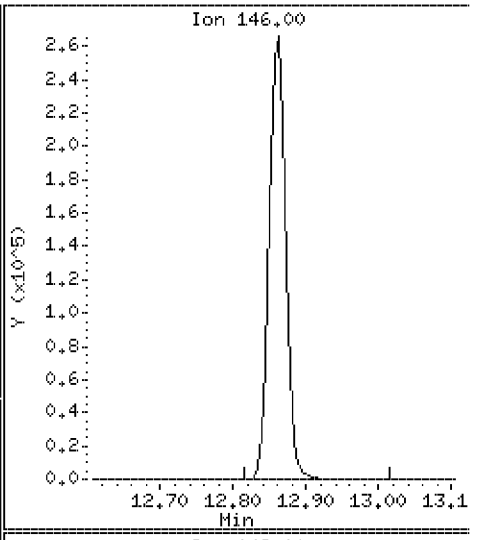
90 1,2-Dichlorobenzene Concentration: 20.7 ug/l

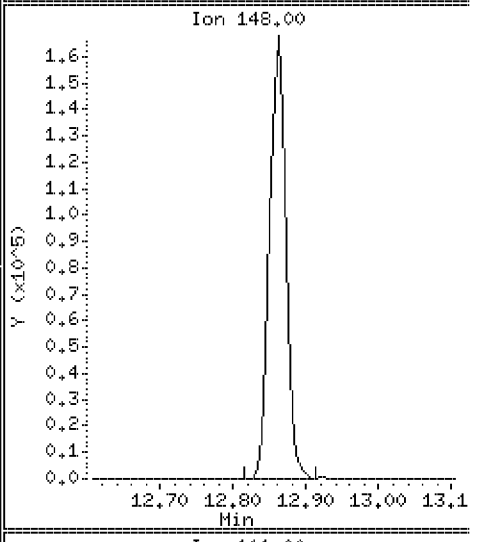


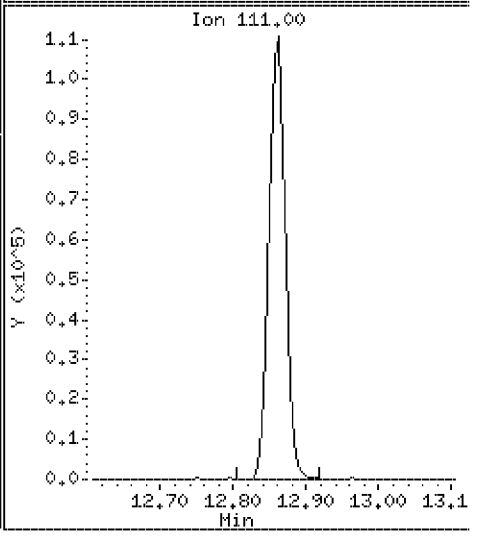












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

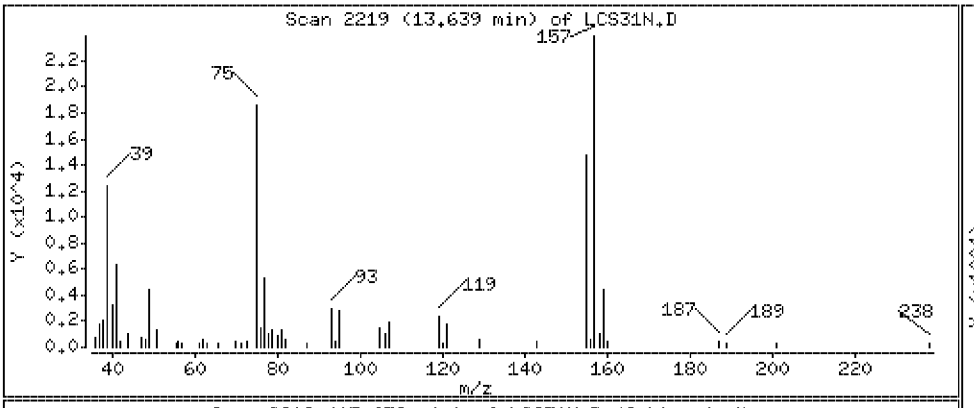
Operator:

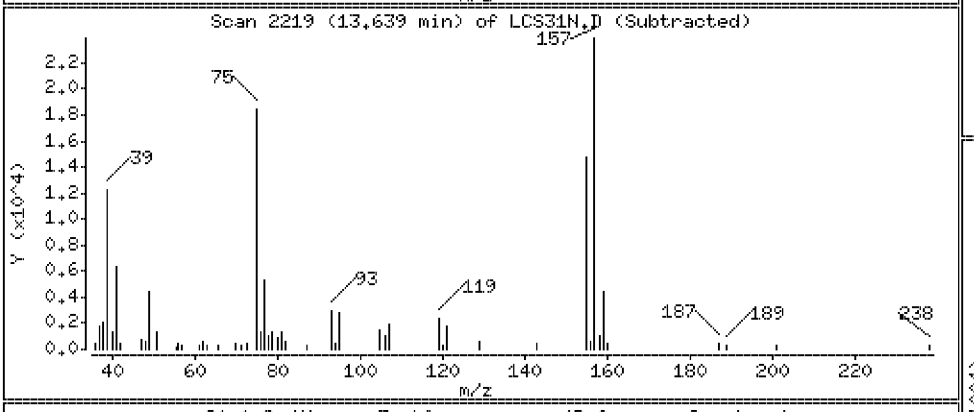
Column phase: RTX-502.2

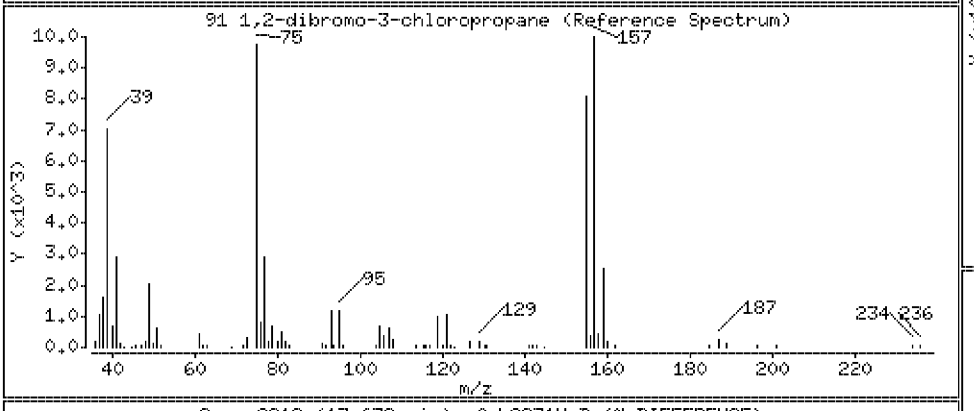
Column diameter: 0.18

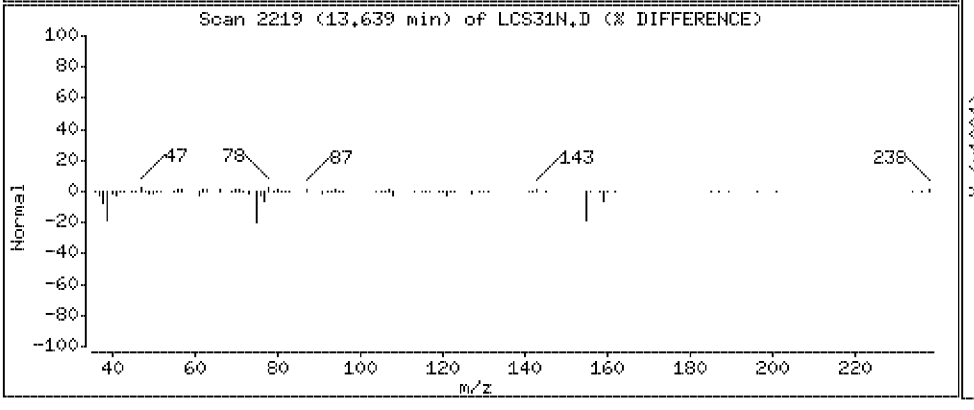
91 1,2-dibromo-3-chloropropane

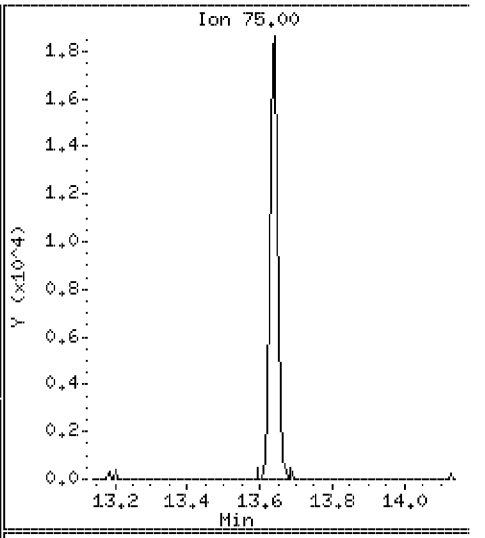
Concentration: 16.9 ug/l

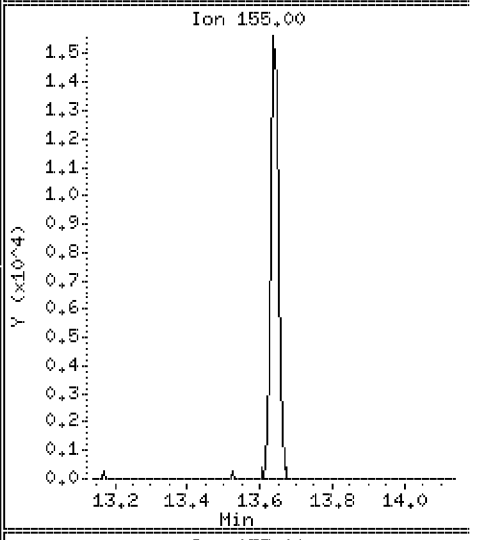


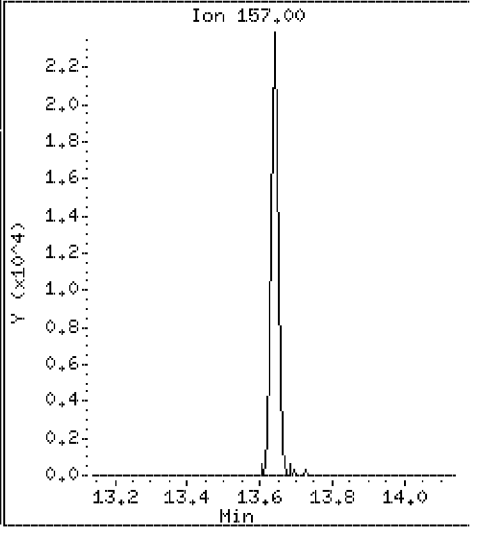












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

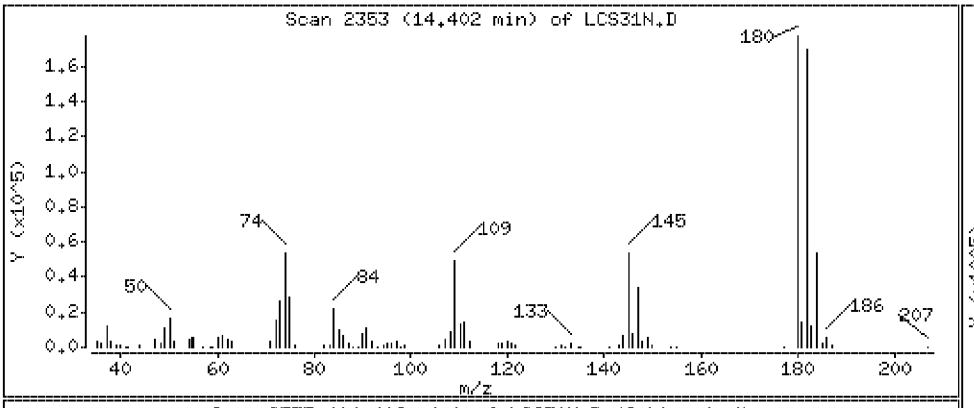
Client ID: 072710LCSA31 Instrument: vms03.i

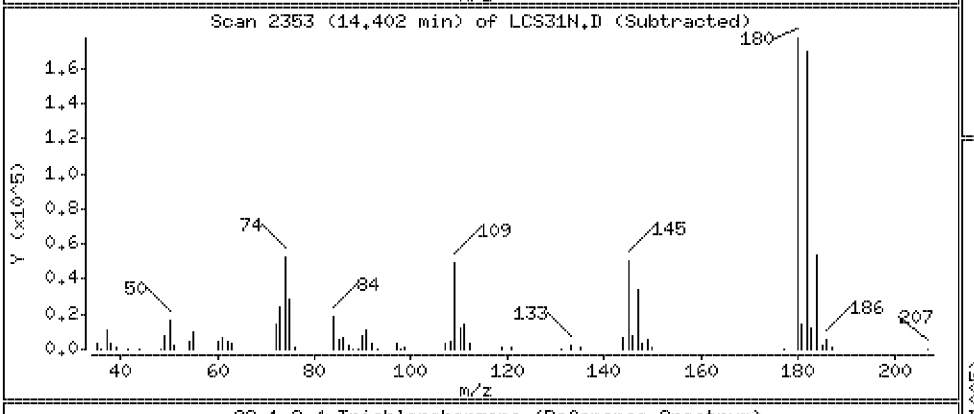
Sample Info: 072710LCSA31

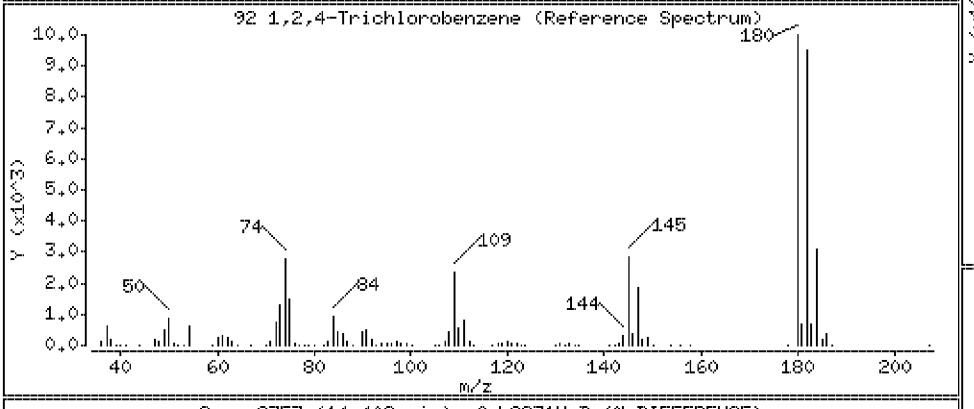
Purge Volume: 5.0 Operator:

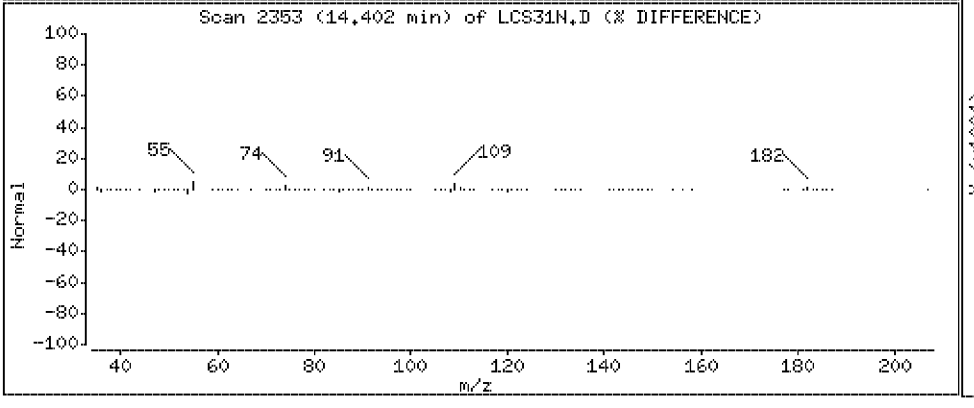
Column phase: RTX-502.2 Column diameter: 0.18

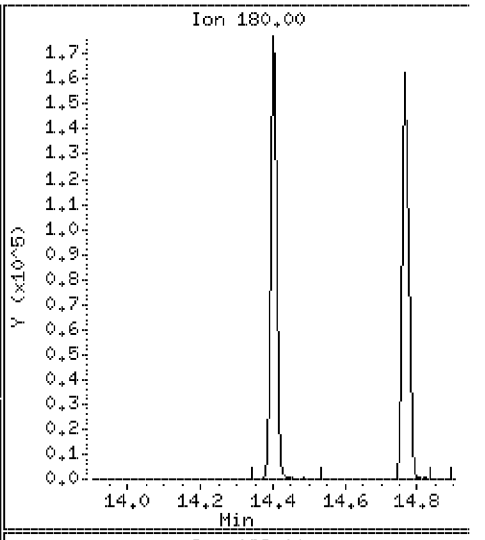
92 1,2,4-Trichlorobenzene Concentration: 20.2 ug/l

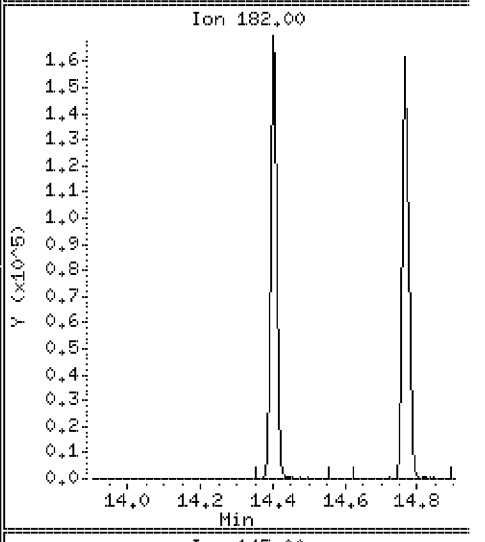


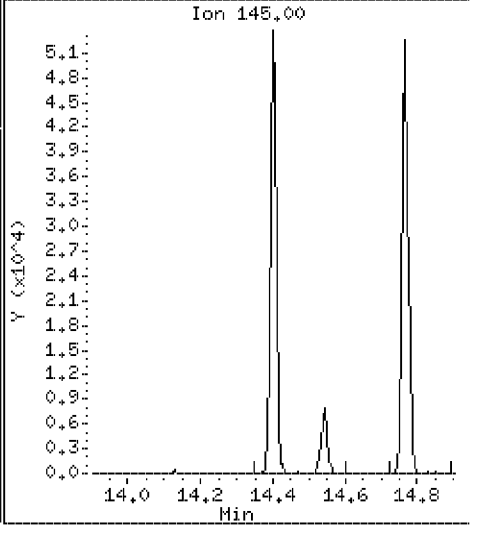












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

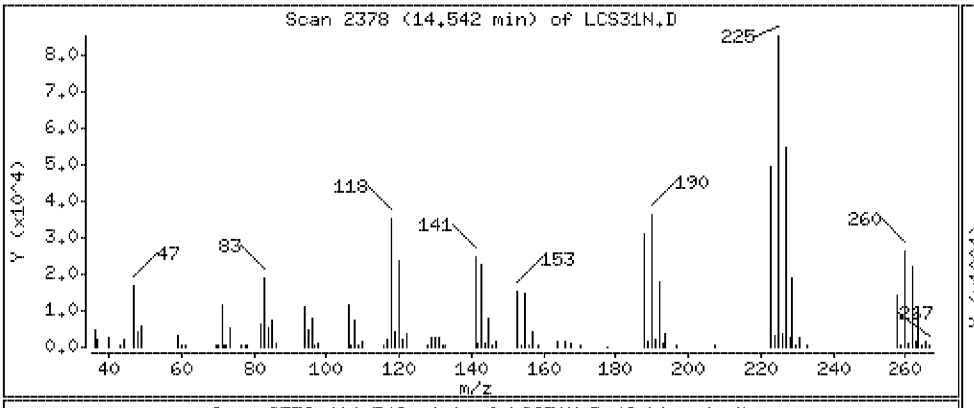
Operator:

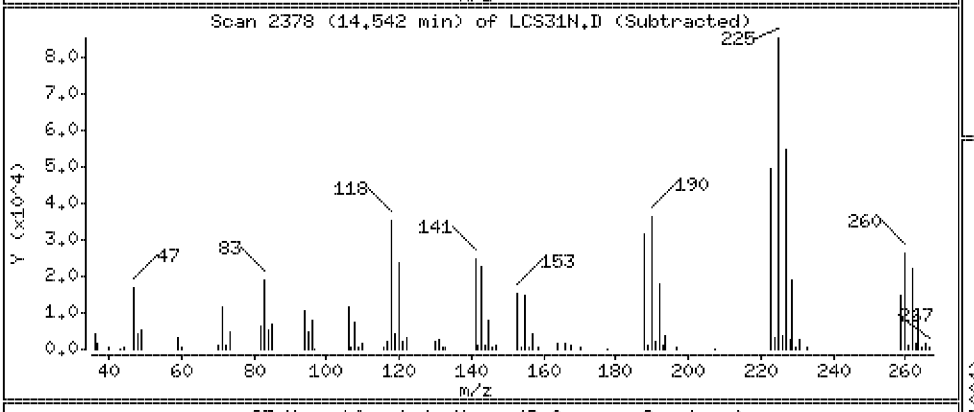
Column phase: RTX-502.2

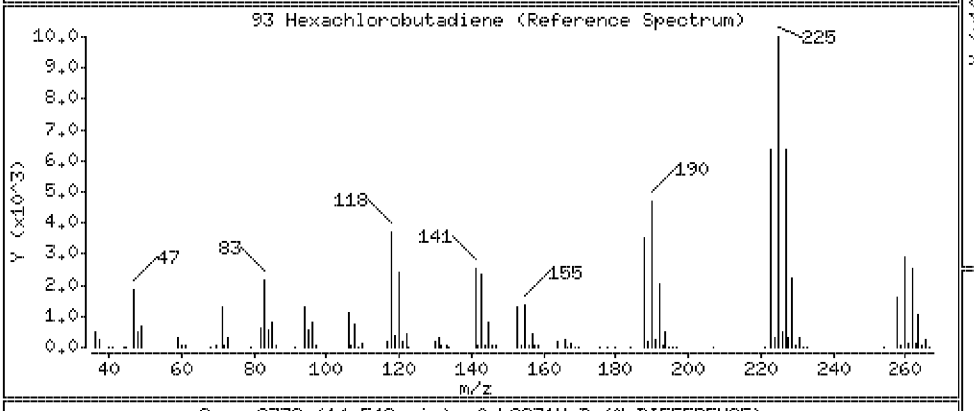
Column diameter: 0.18

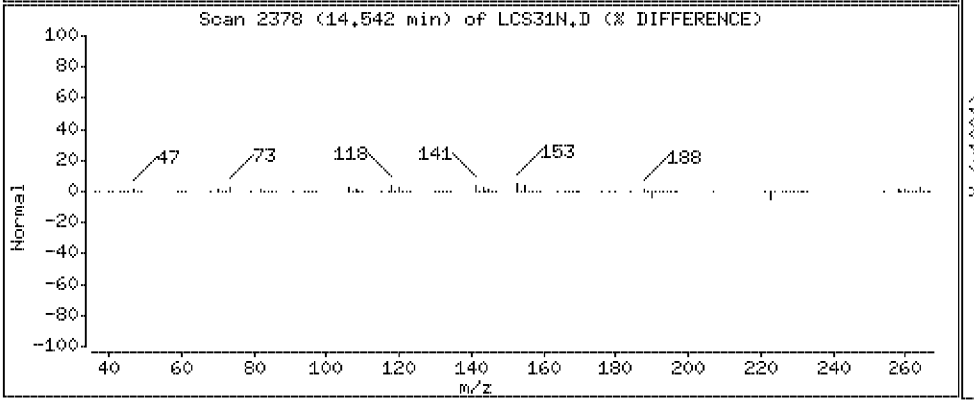
93 Hexachlorobutadiene

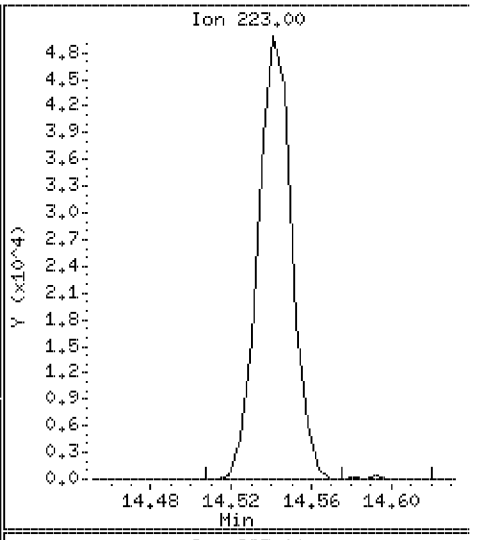
Concentration: 22.9 ug/l

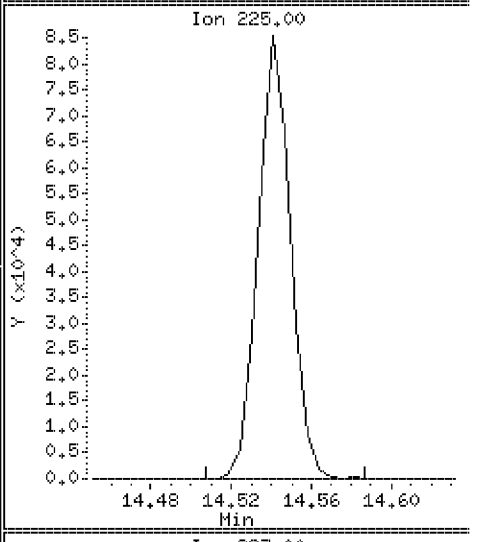


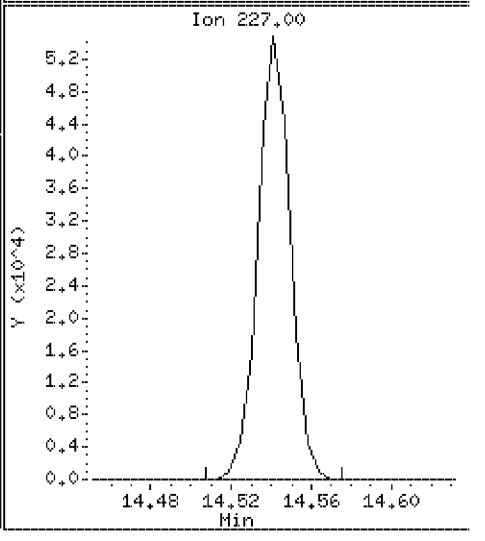












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

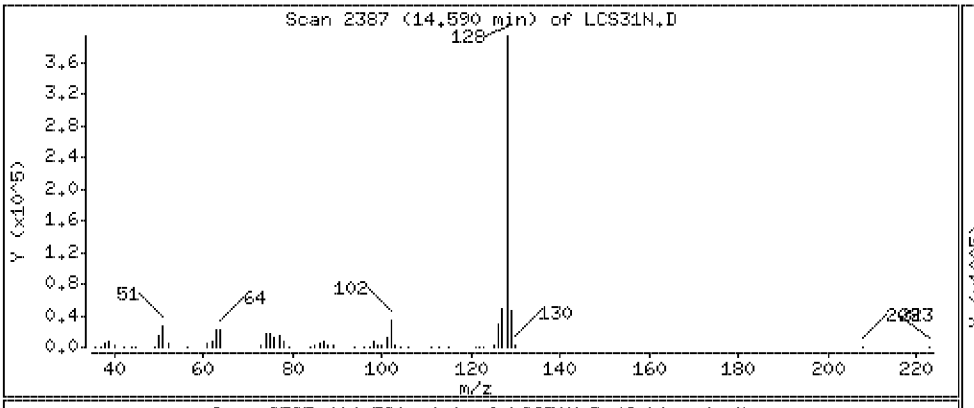
Operator:

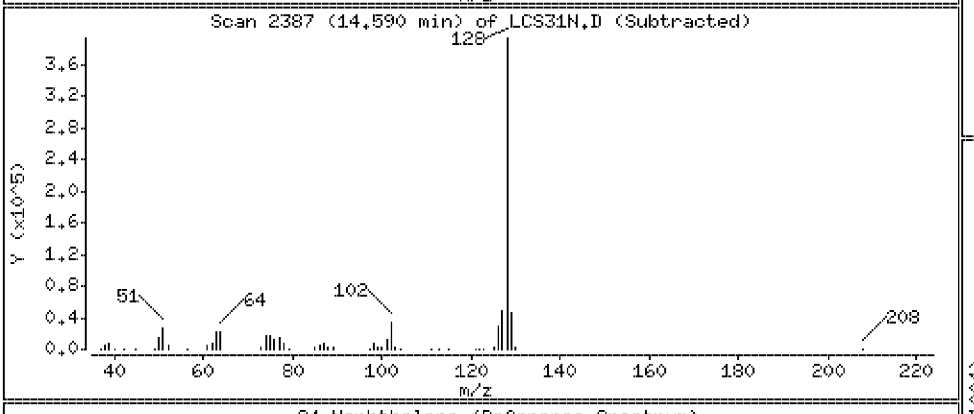
Column phase: RTX-502.2

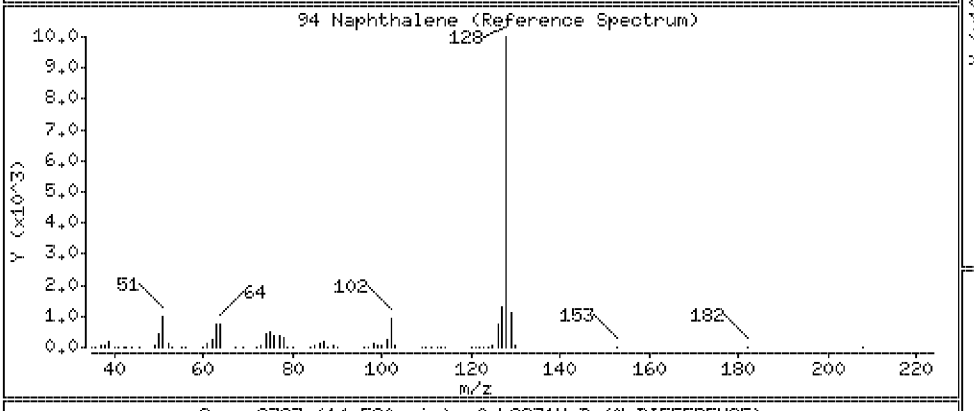
Column diameter: 0.18

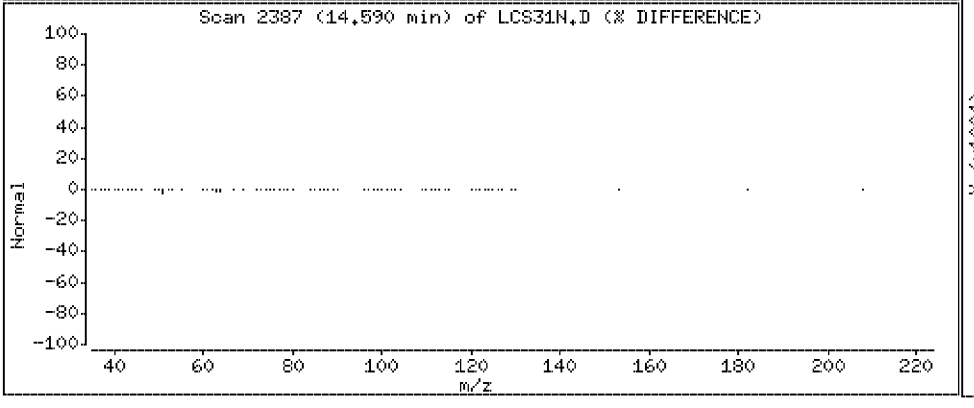
94 Naphthalene

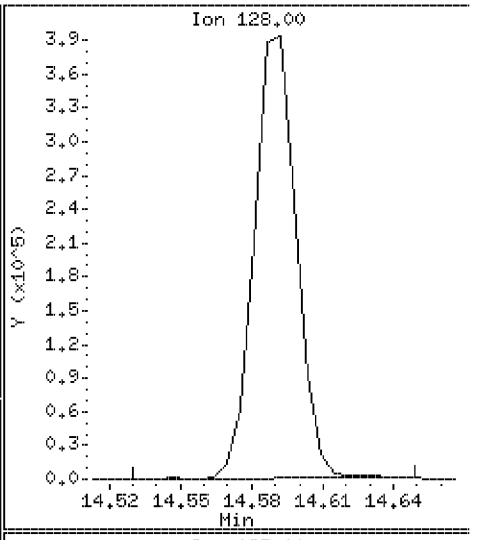
Concentration: 17.4 ug/l

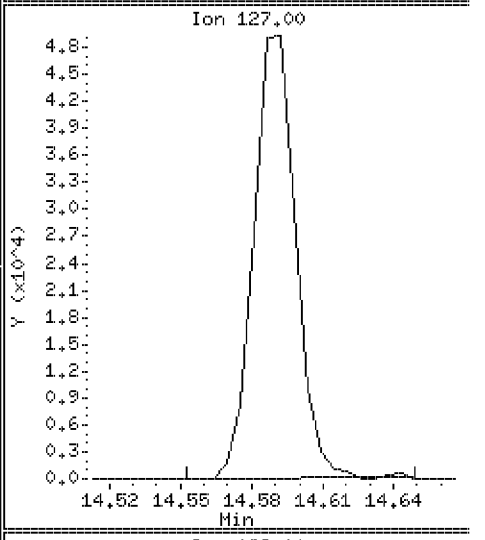


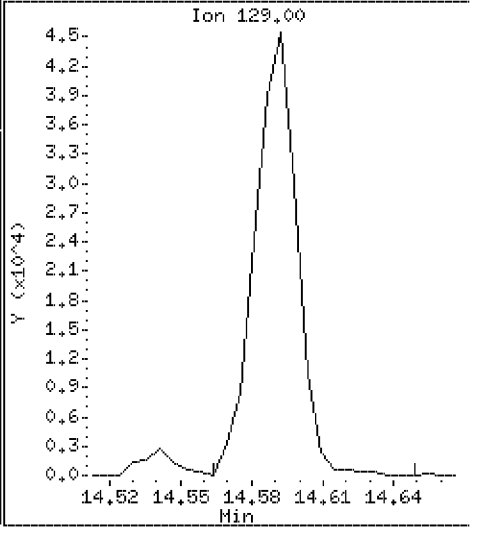












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

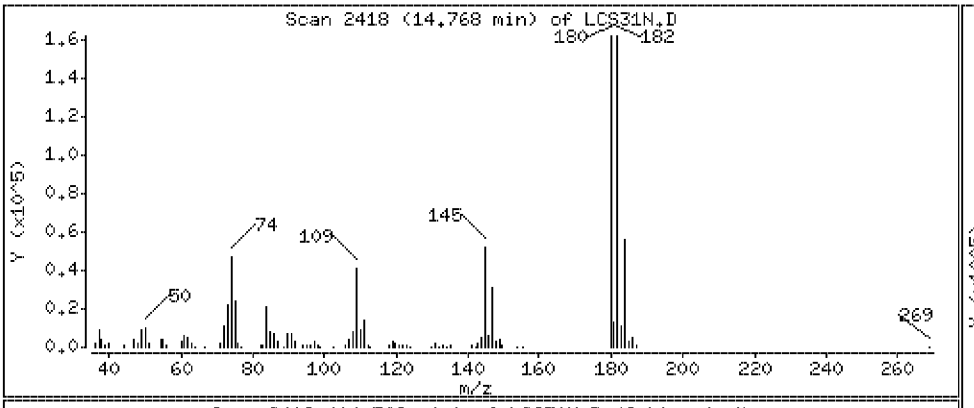
Operator:

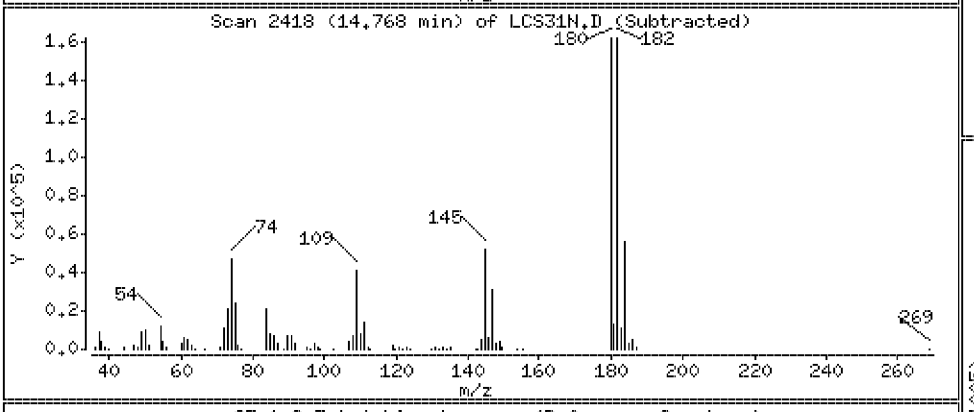
Column phase: RTX-502.2

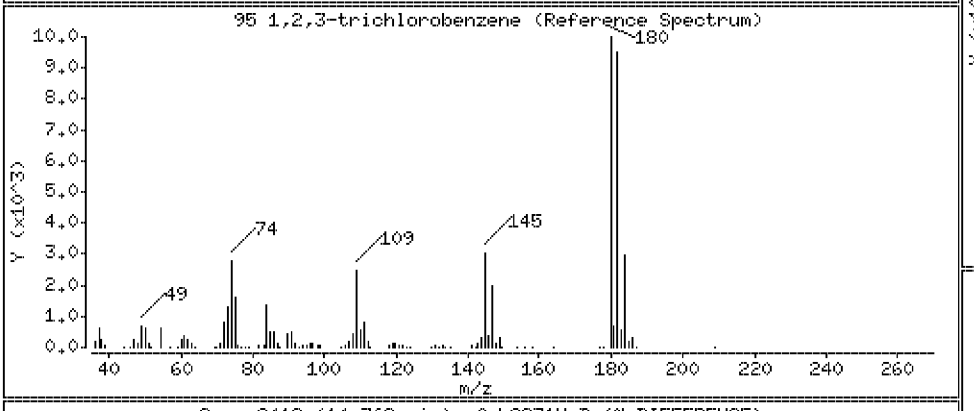
Column diameter: 0.18

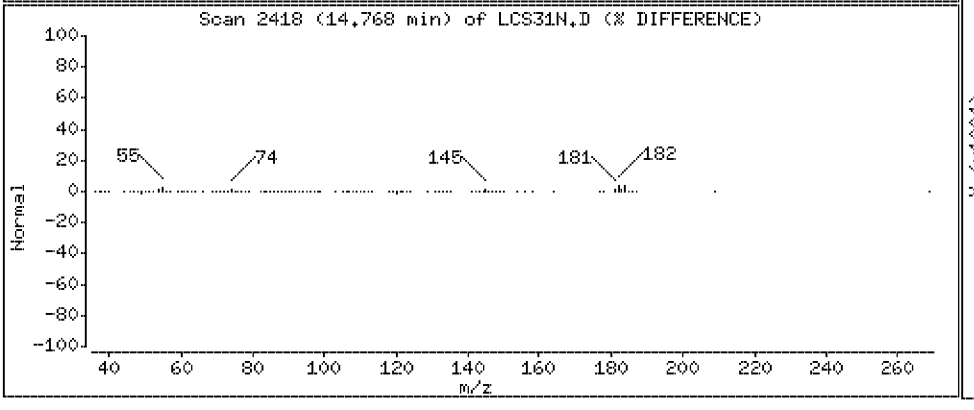
95 1,2,3-trichlorobenzene

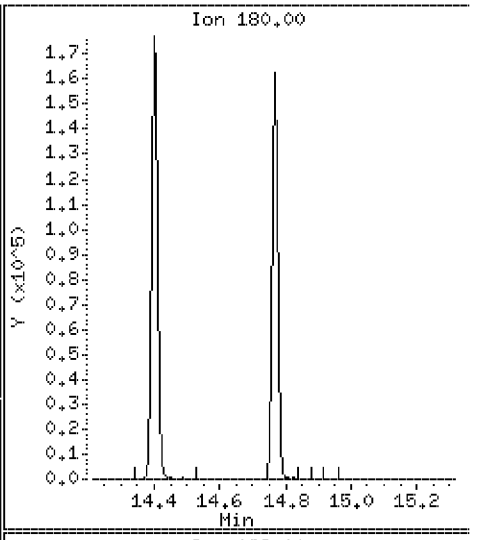
Concentration: 18.4 ug/l

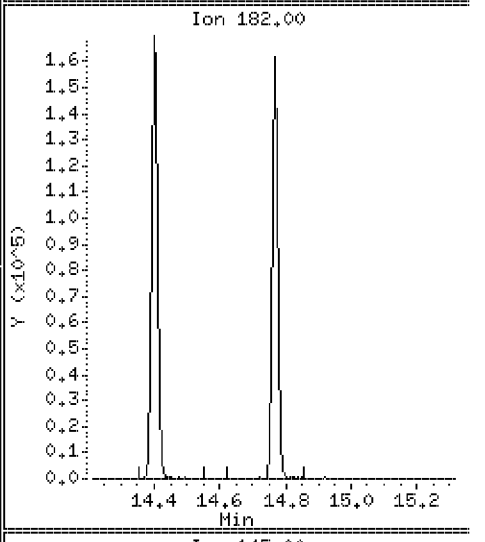


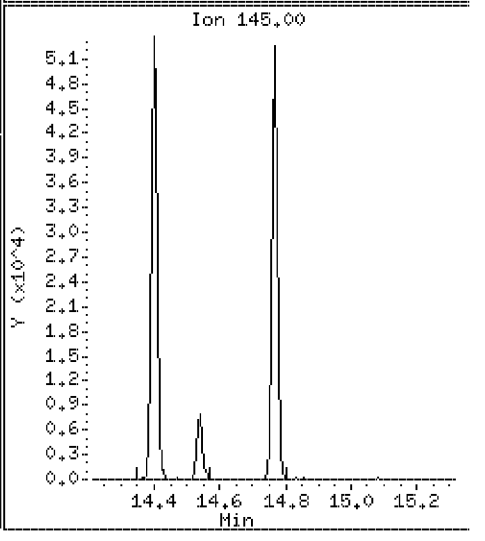












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

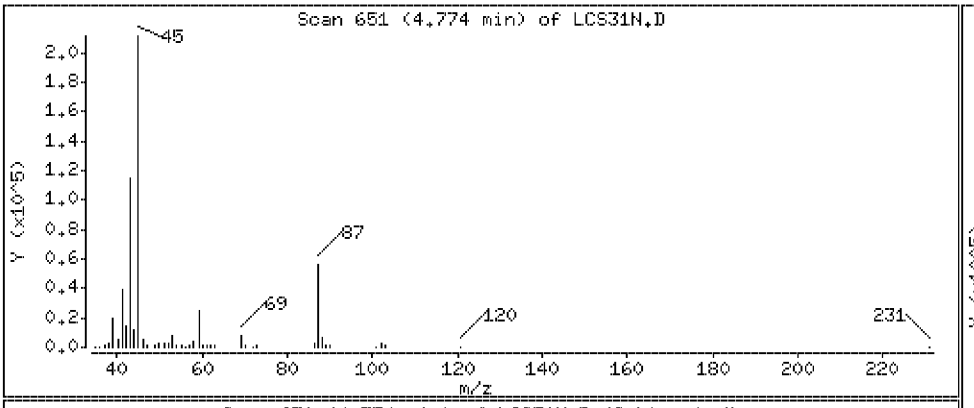
Operator:

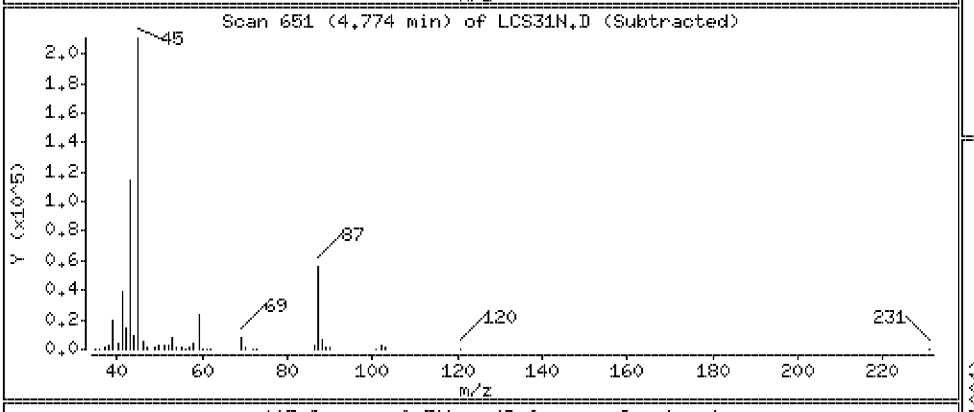
Column phase: RTX-502.2

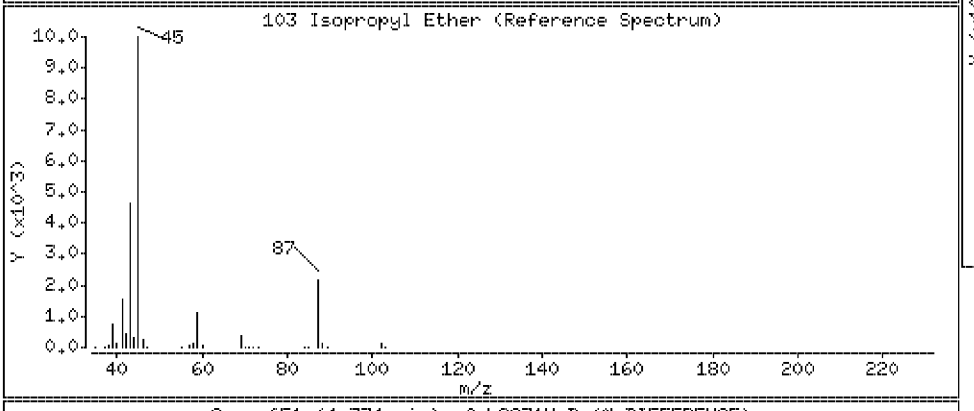
Column diameter: 0.18

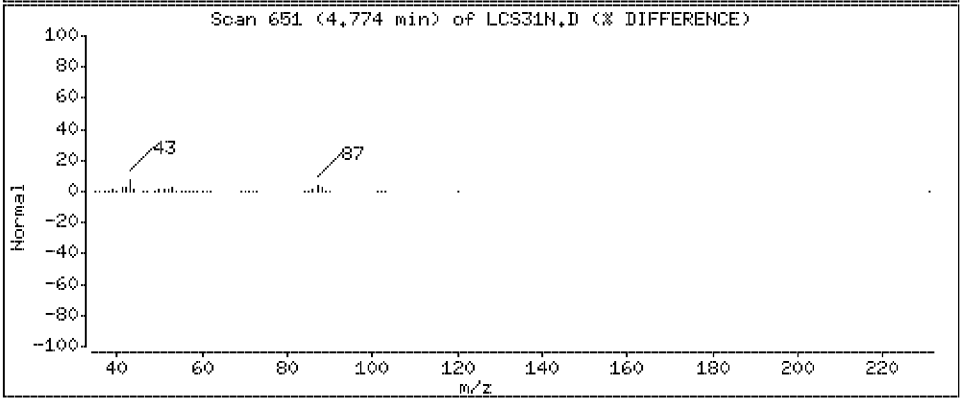
103 Isopropyl Ether

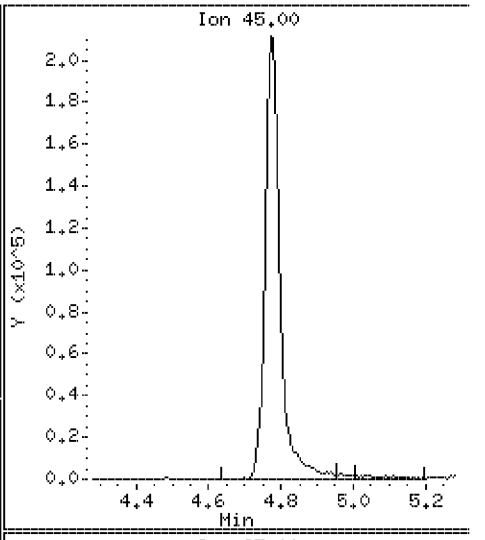
Concentration: 20.8 ug/l

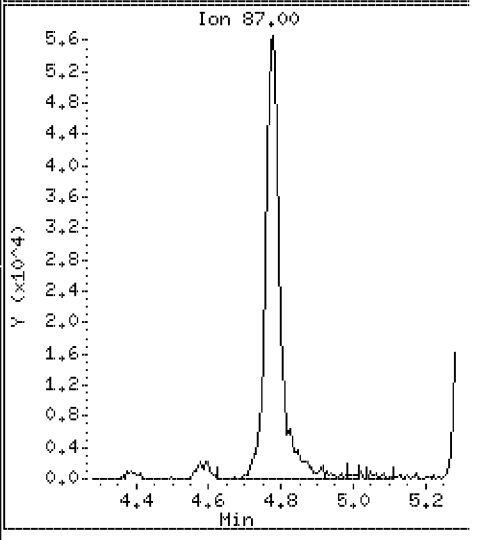












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

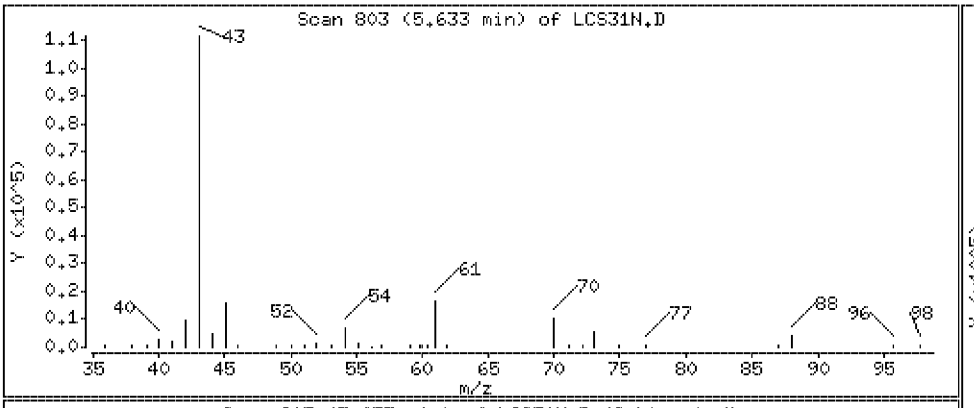
Operator:

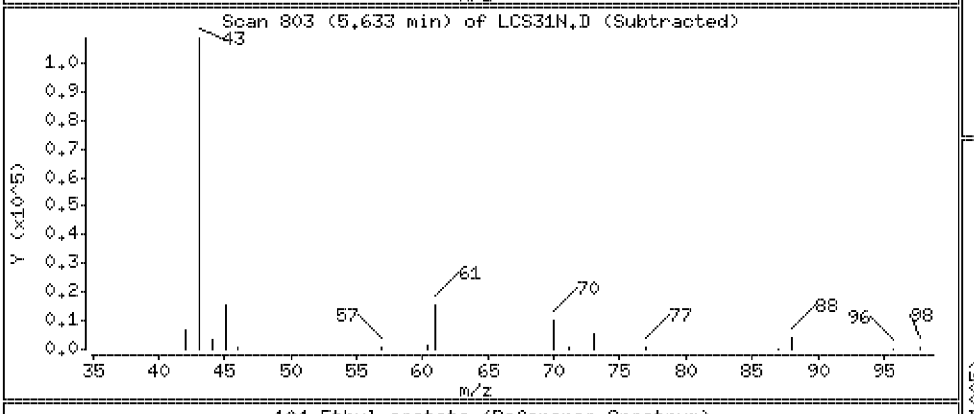
Column phase: RTX-502.2

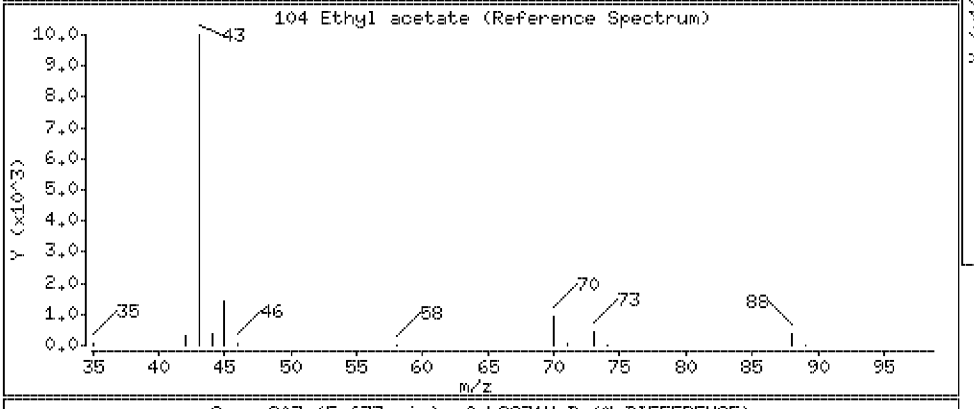
Column diameter: 0.18

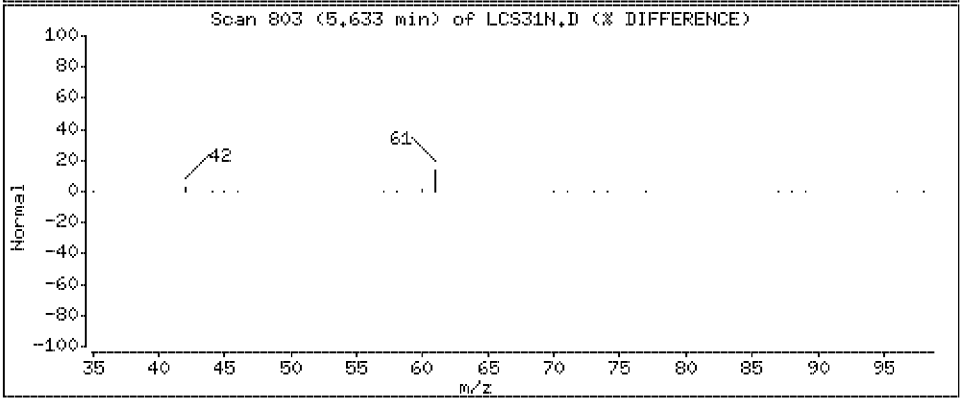
104 Ethyl acetate

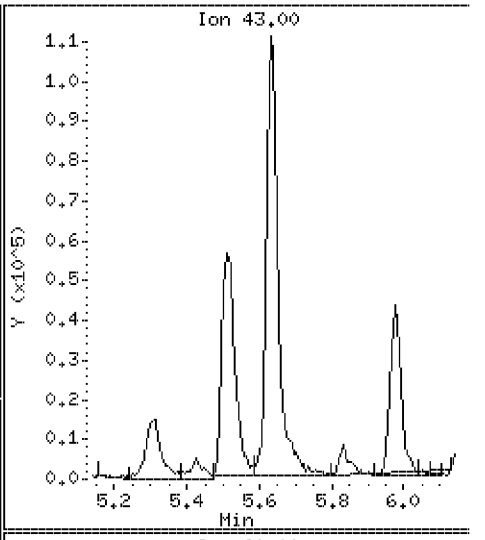
Concentration: 36.4 ug/l

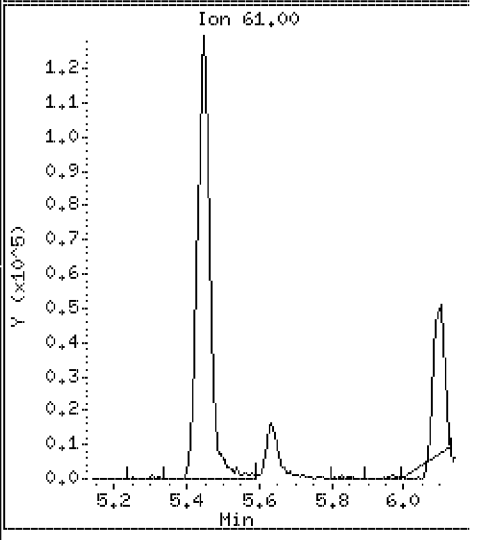












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

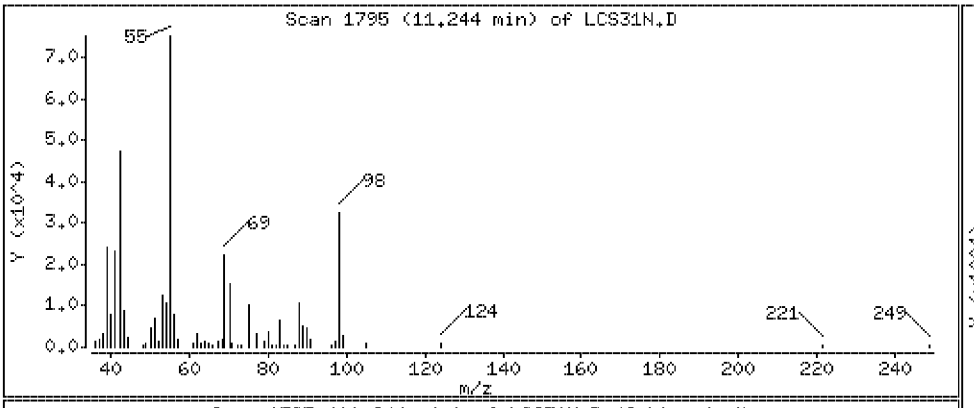
Operator:

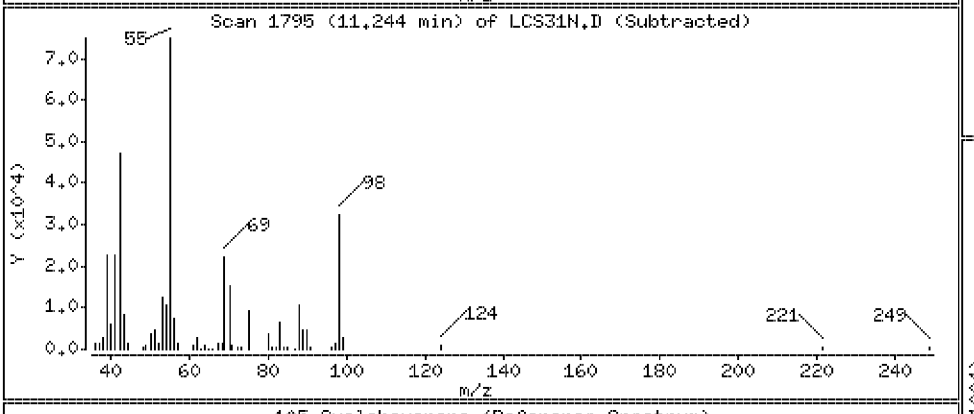
Column phase: RTX-502.2

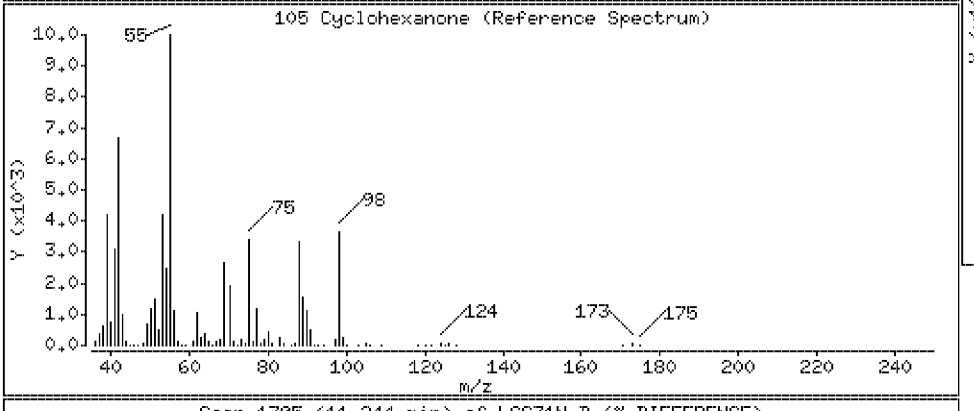
Column diameter: 0.18

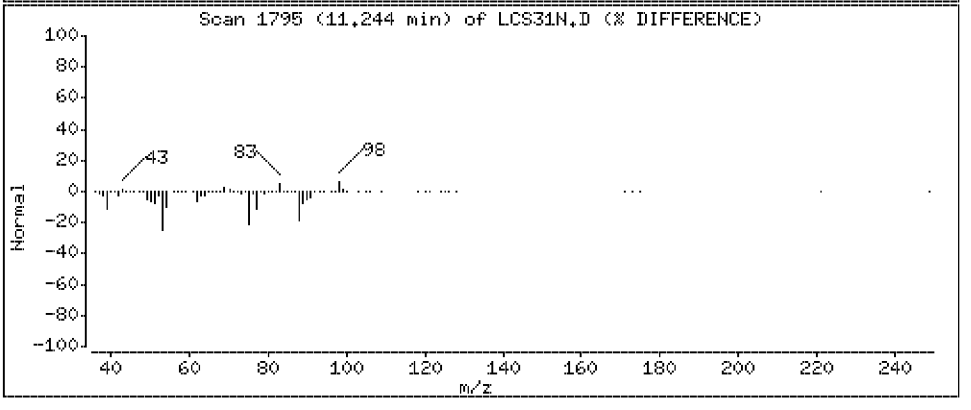
105 Cyclohexanone

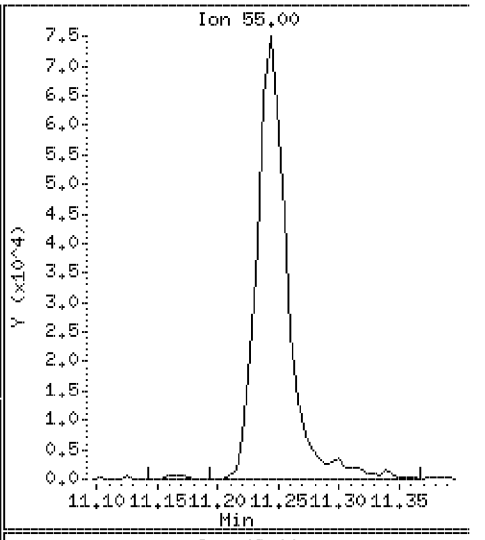
Concentration: 390 ug/l

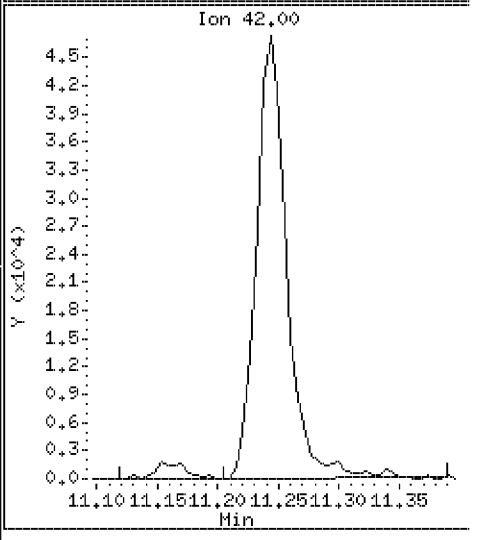












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

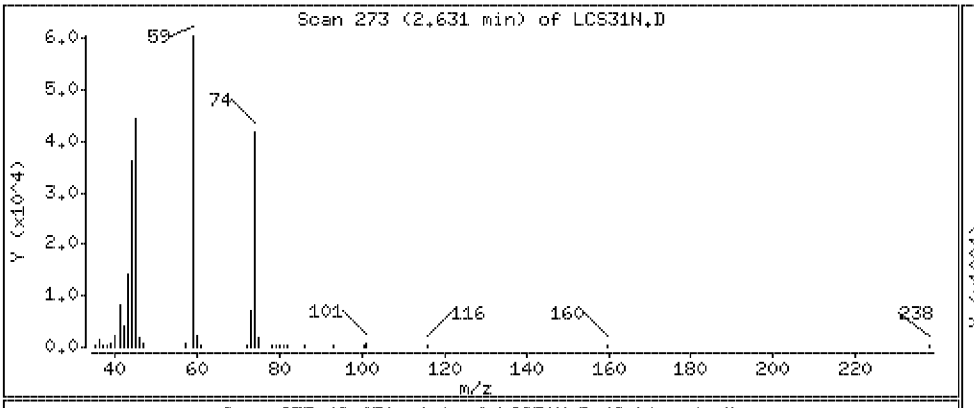
Operator:

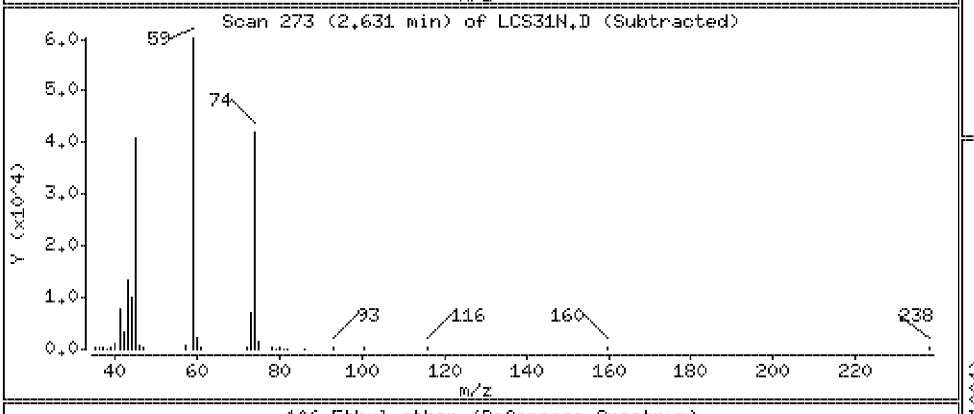
Column phase: RTX-502.2

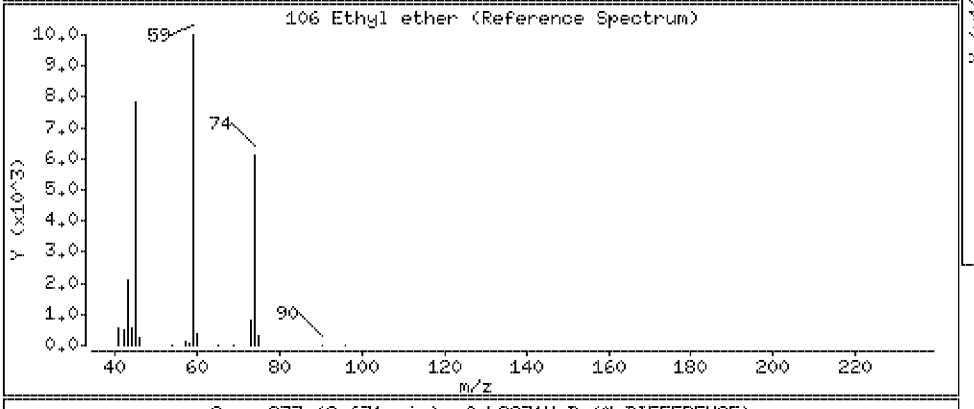
Column diameter: 0.18

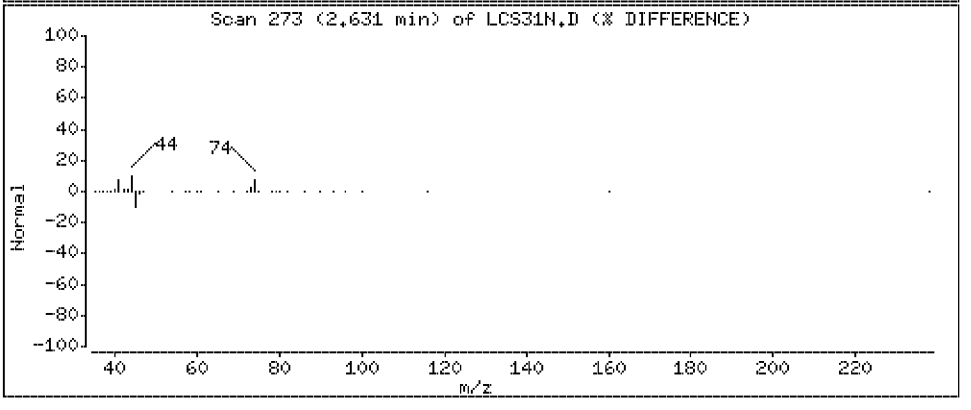
106 Ethyl ether

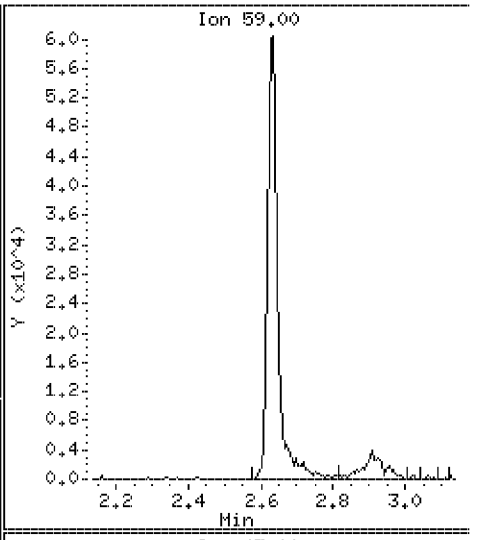
Concentration: 16.7 ug/l

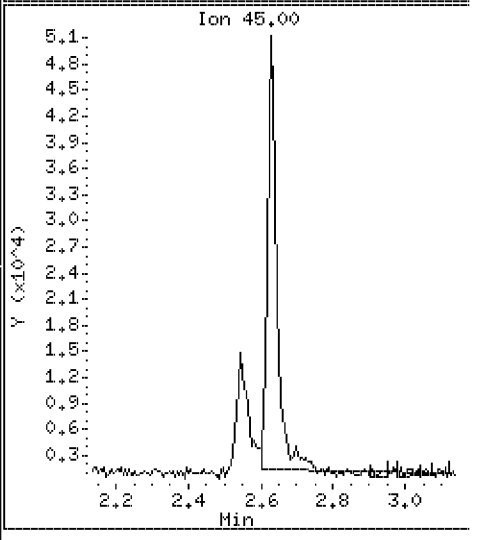












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

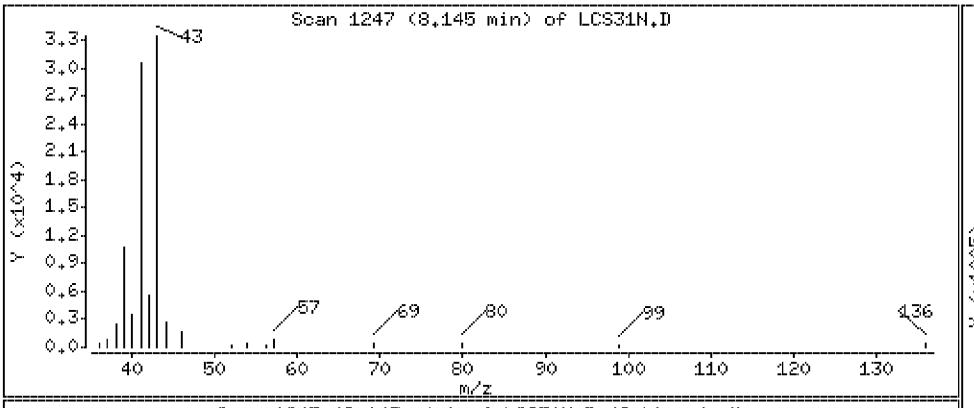
Client ID: 072710LCSA31 Instrument: vms03.i

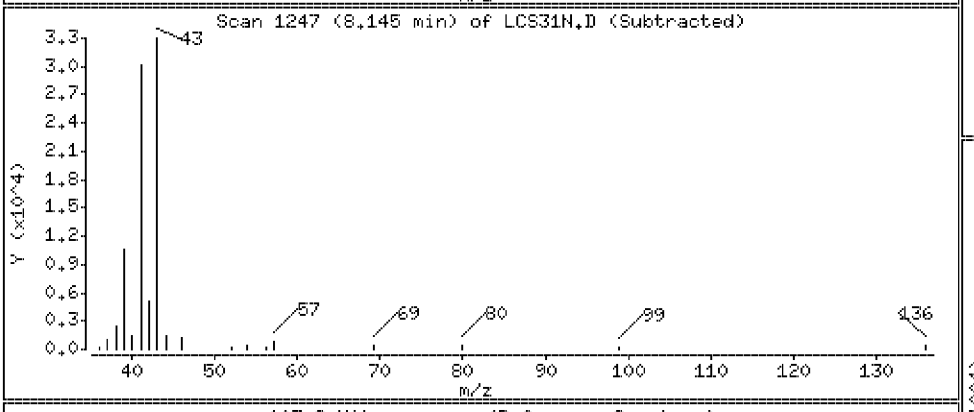
Sample Info: 072710LCSA31

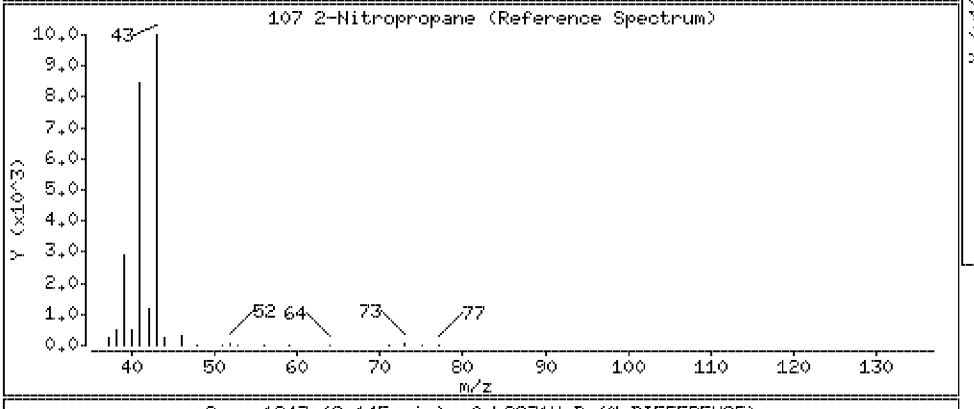
Purge Volume: 5.0 Operator:

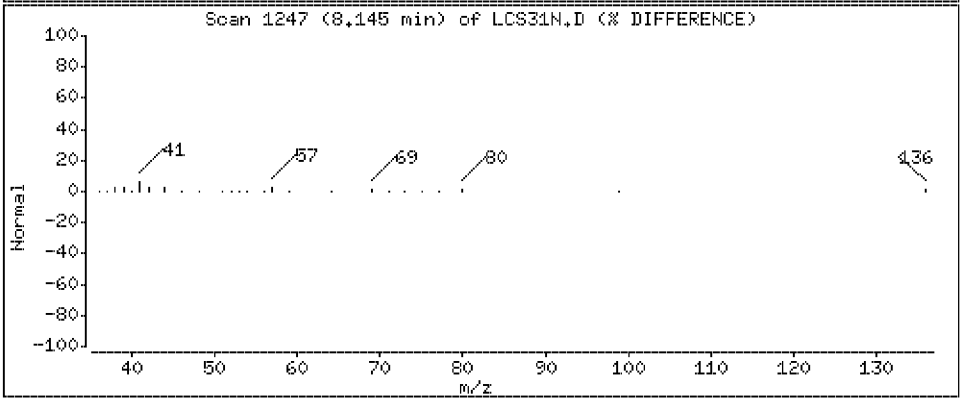
Column phase: RTX-502.2 Column diameter: 0.18

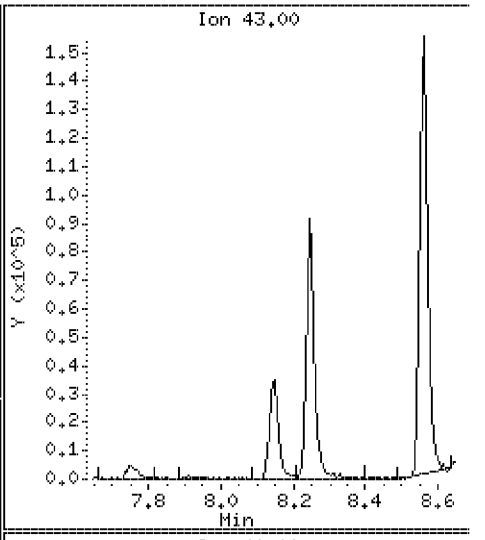
107 2-Nitropropane Concentration: 32.0 ug/l

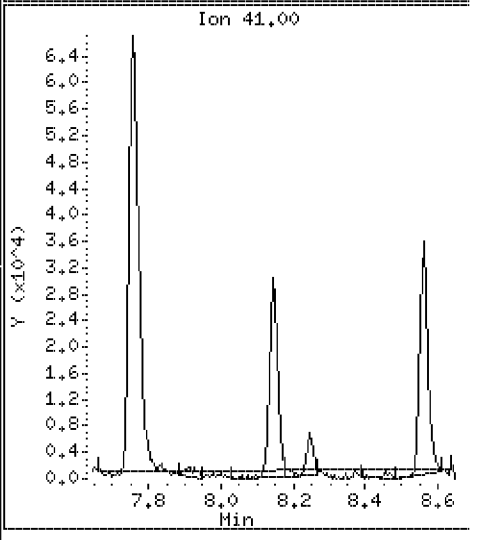












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

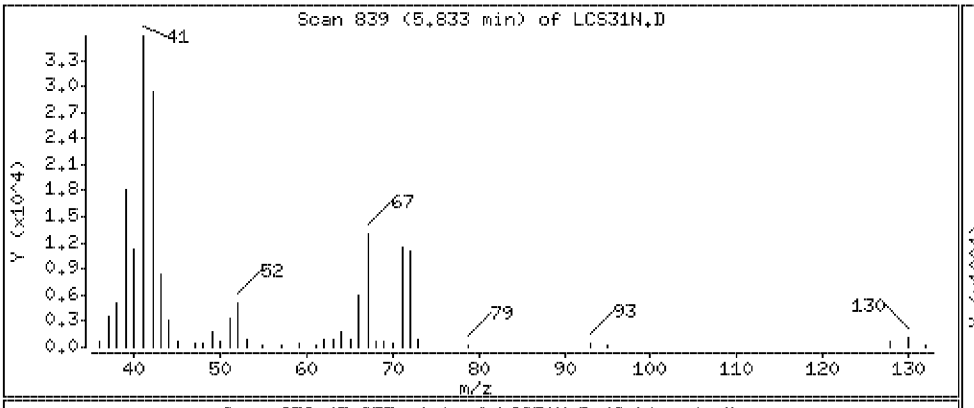
Operator:

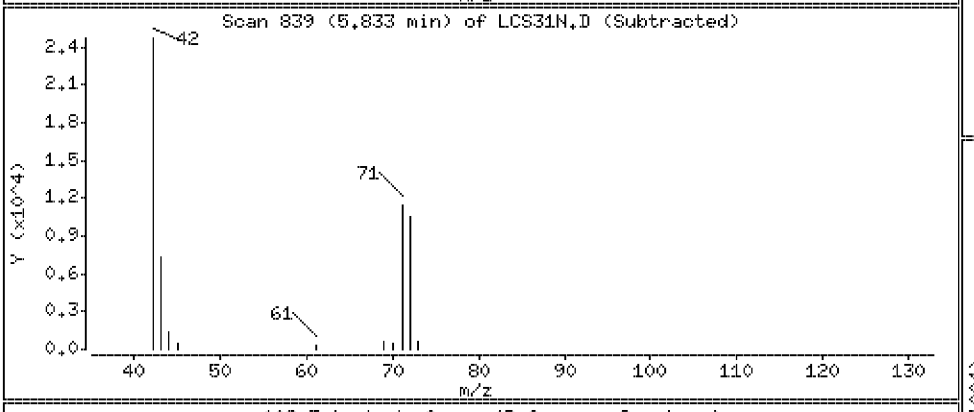
Column phase: RTX-502.2

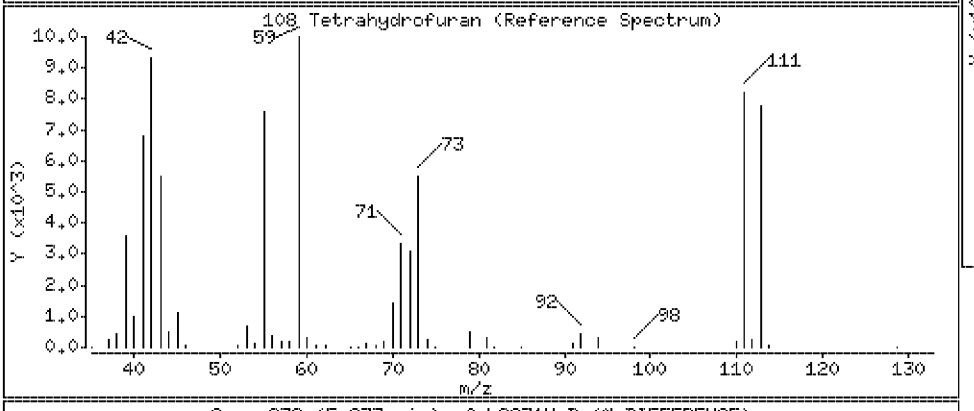
Column diameter: 0.18

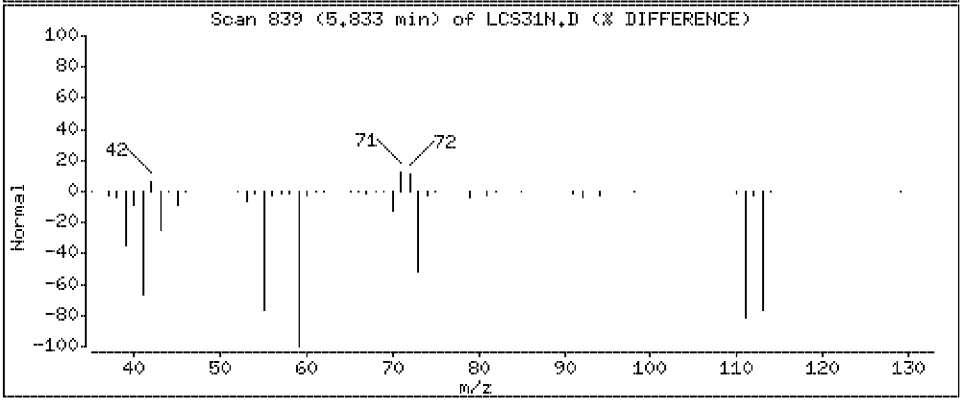
108 Tetrahydrofuran

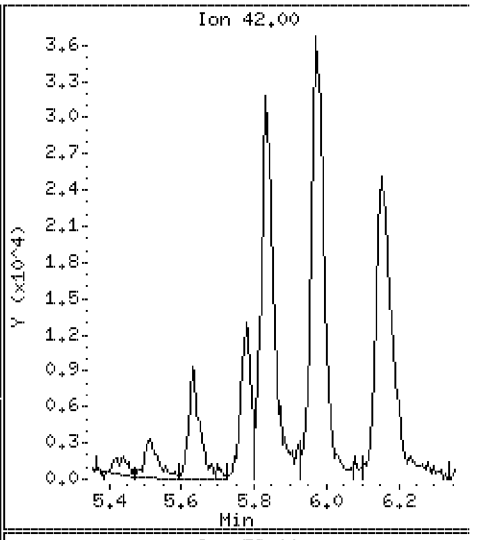
Concentration: 37.3 ug/l

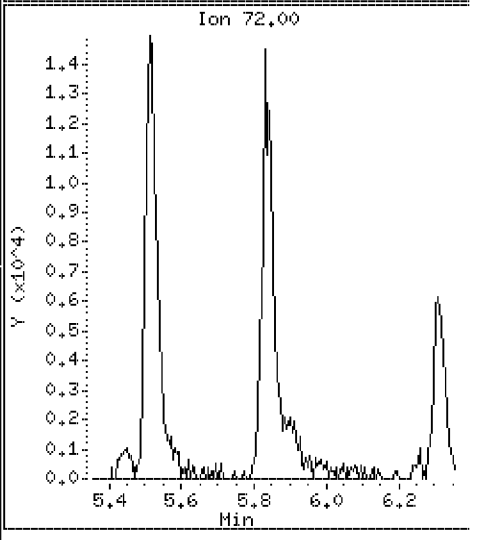












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

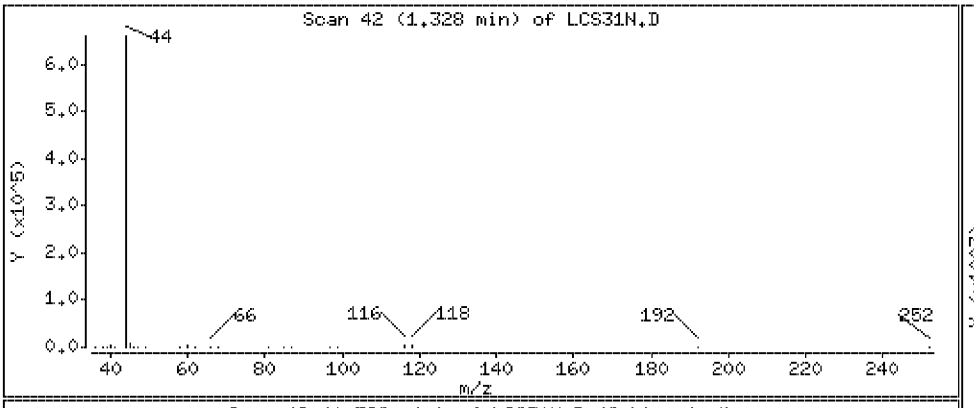
Operator:

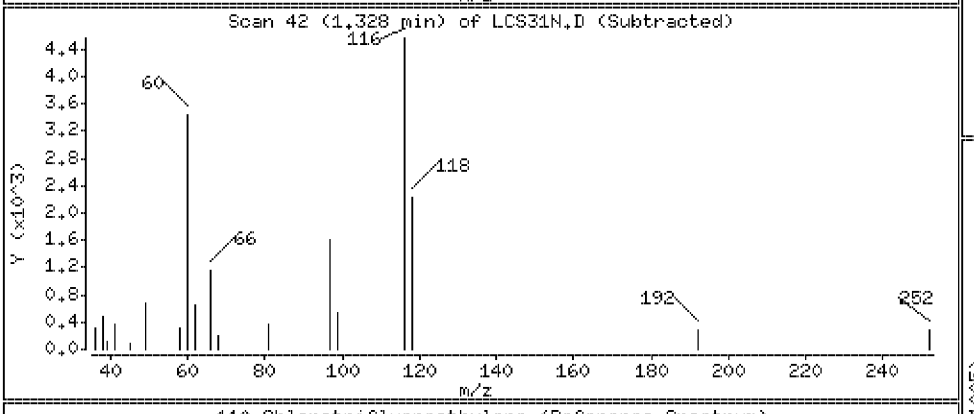
Column phase: RTX-502.2

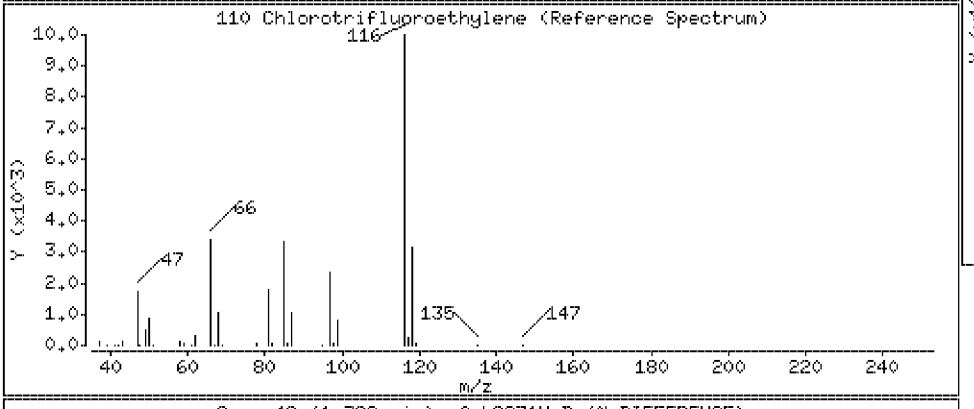
Column diameter: 0.18

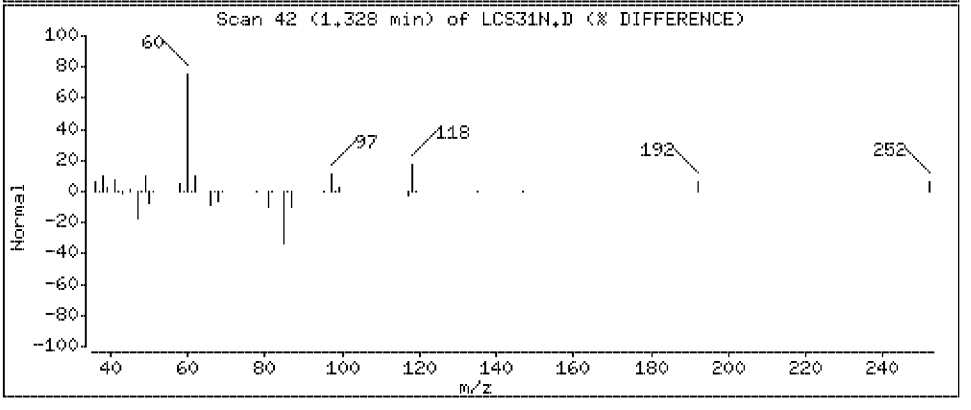
110 Chlorotrifluoroethylene

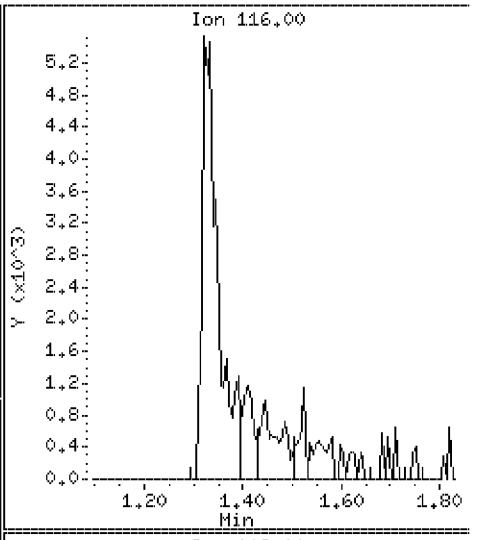
Concentration: 9.3 ug/l

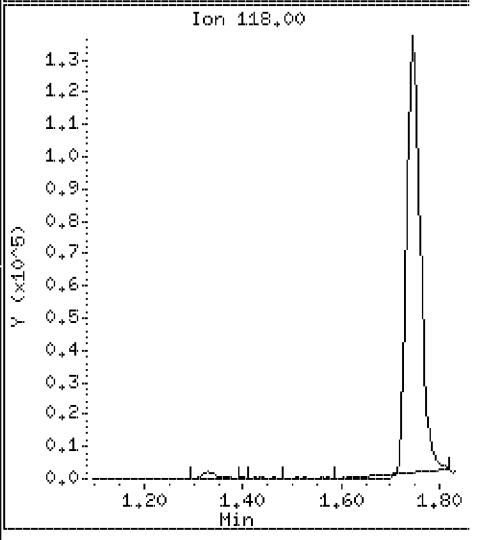












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

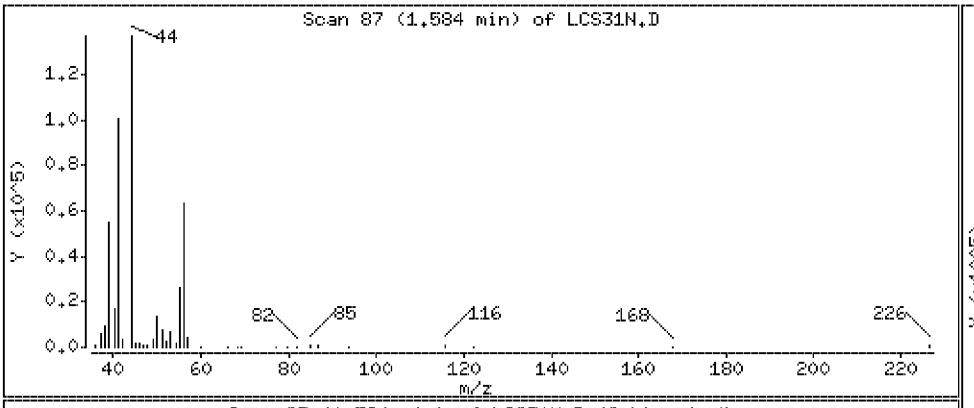
Operator:

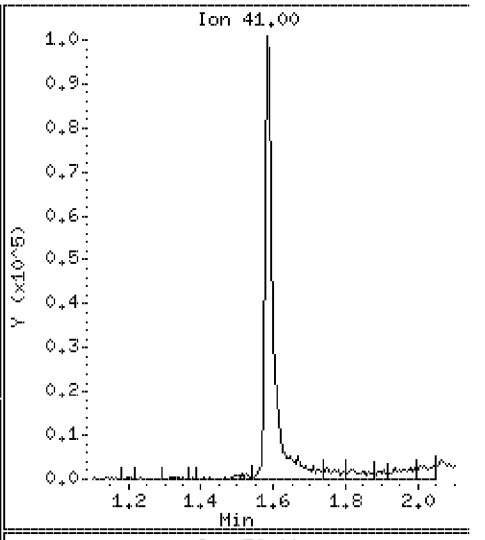
Column phase: RTX-502.2

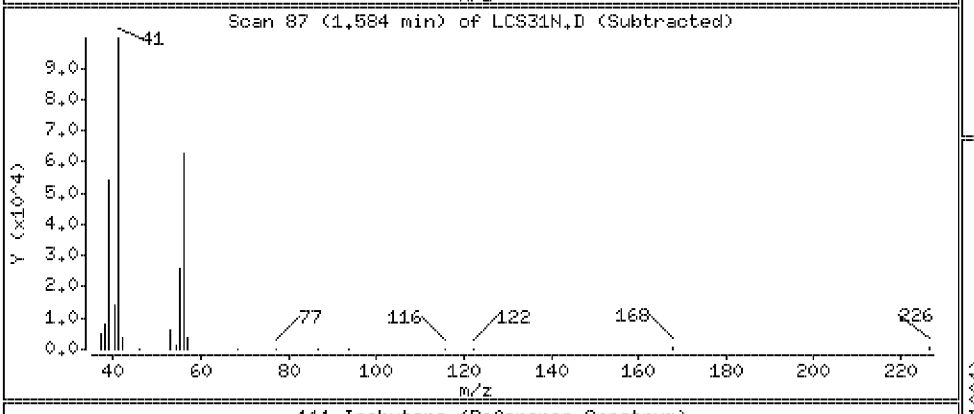
Column diameter: 0.18

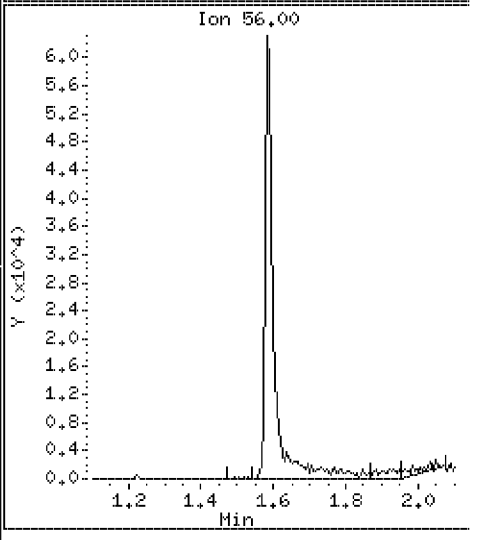
111 Isobutene

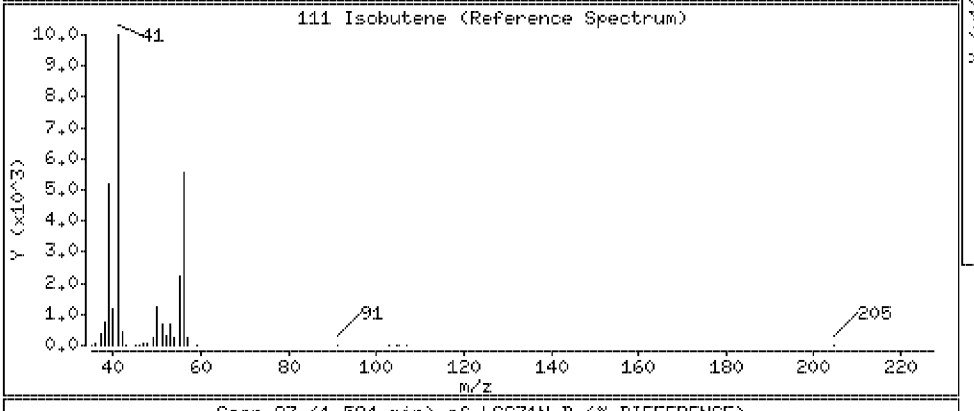
Concentration: 494 ug/l

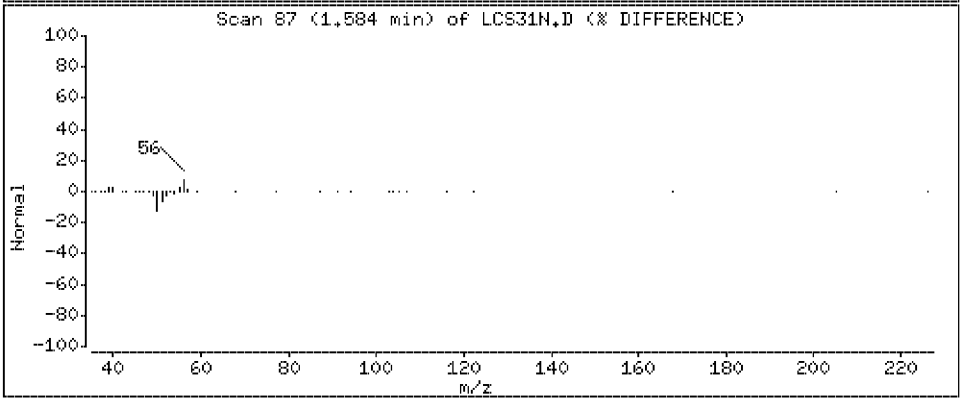












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

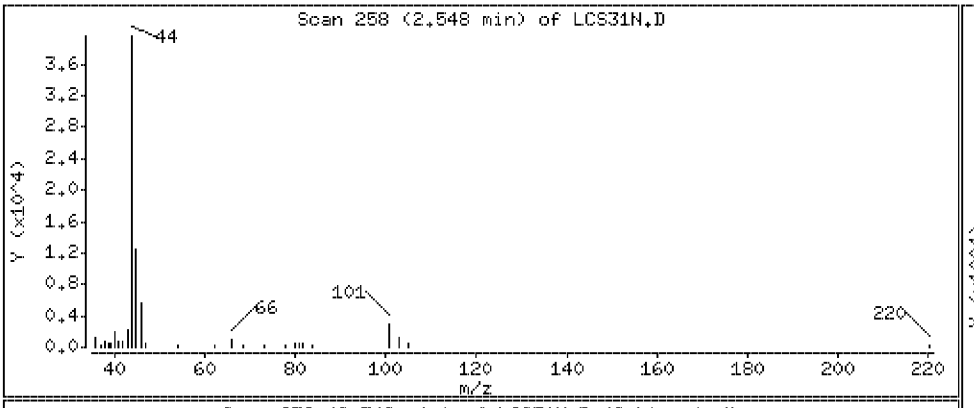
Operator:

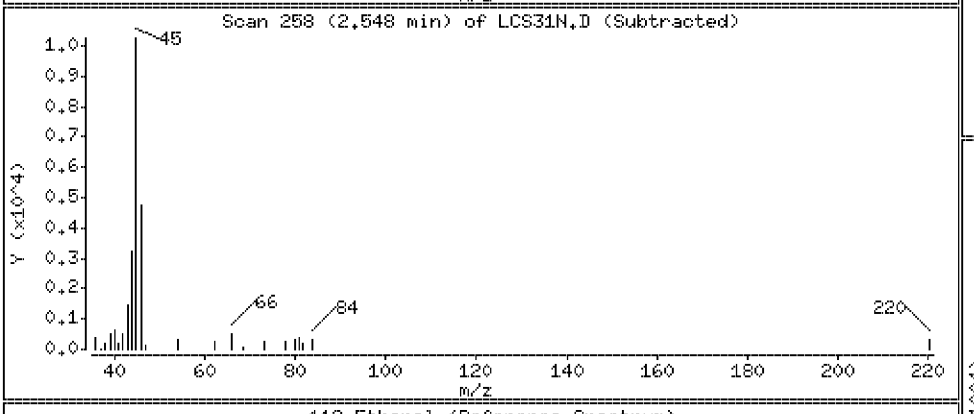
Column phase: RTX-502.2

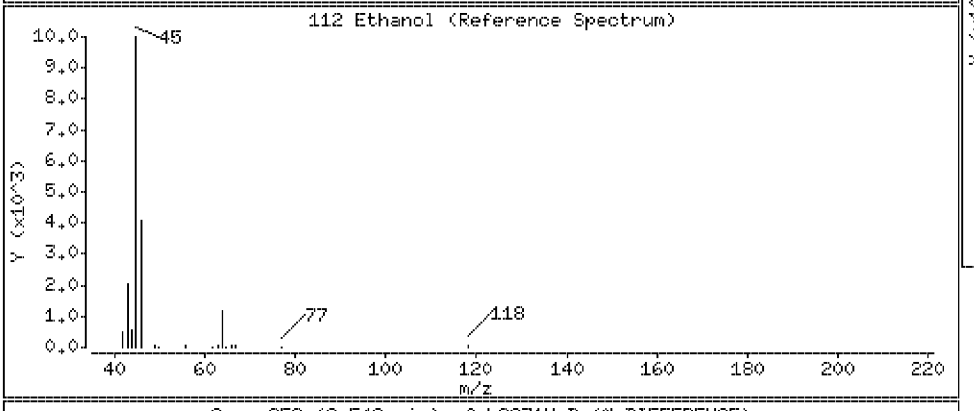
Column diameter: 0.18

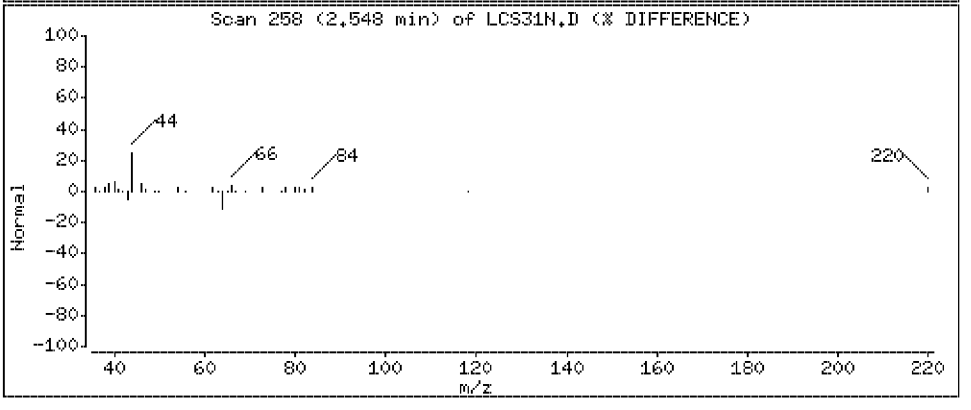
112 Ethanol

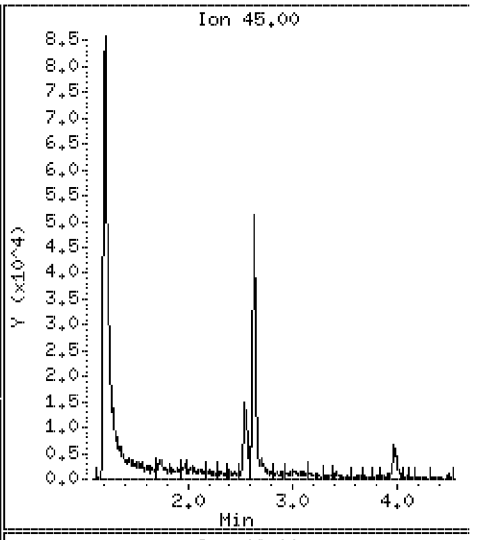
Concentration: 1310 ug/l

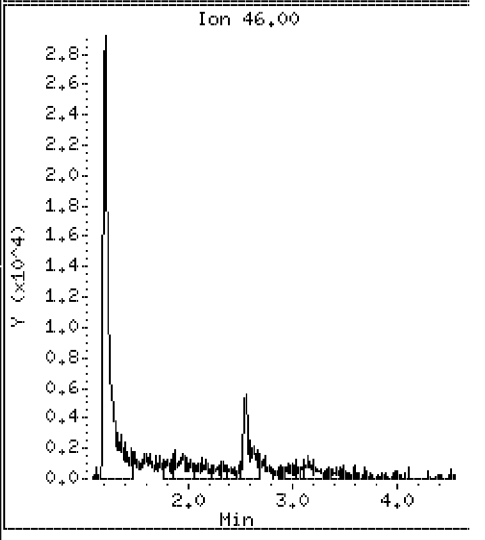












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

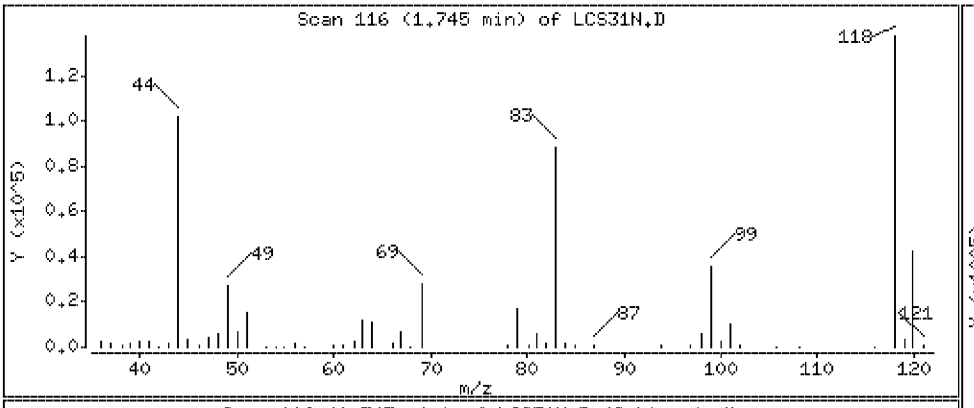
Client ID: 072710LCSA31 Instrument: vms03.i

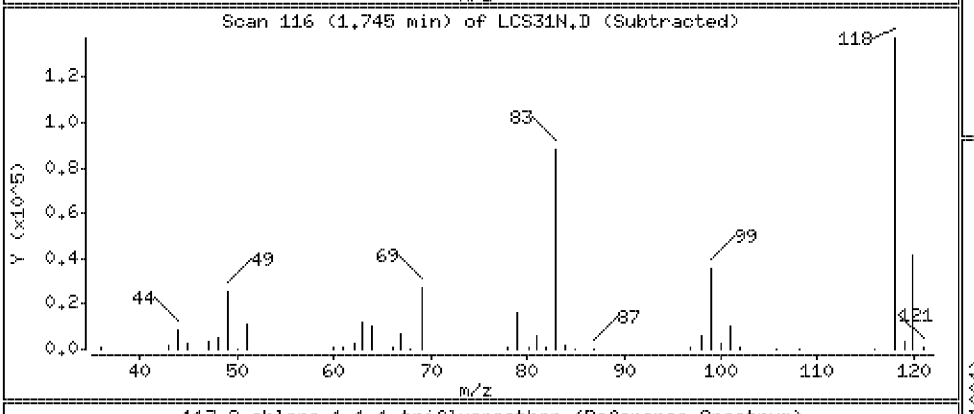
Sample Info: 072710LCSA31

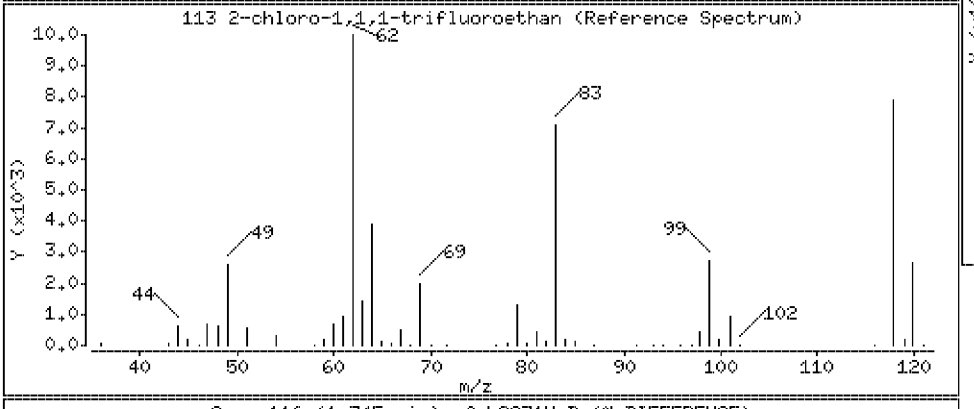
Purge Volume: 5.0 Operator:

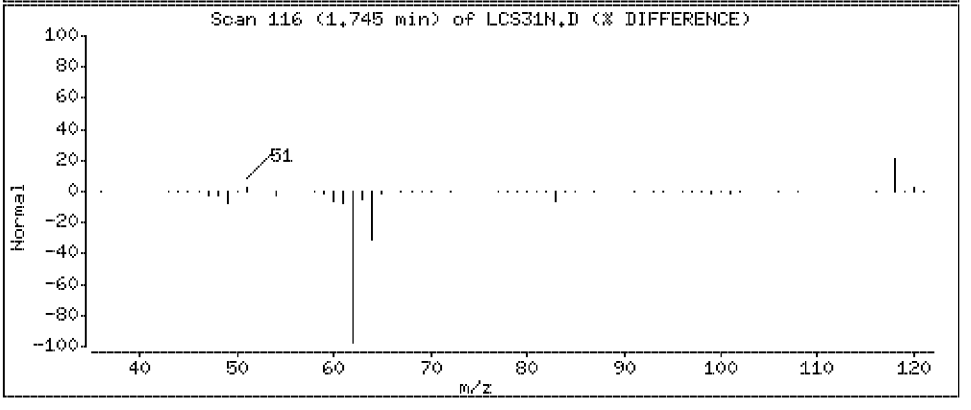
Column phase: RTX-502.2 Column diameter: 0.18

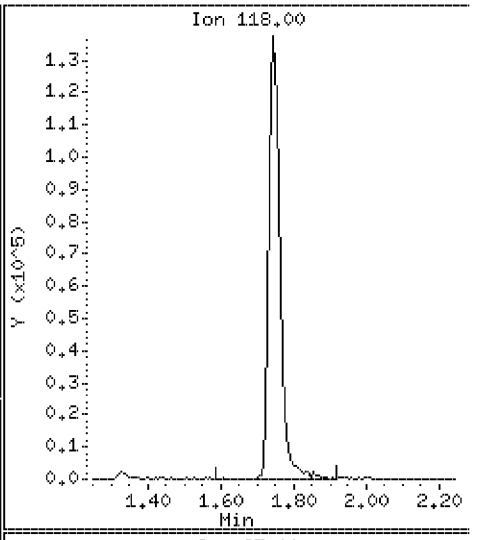
113 2-chloro-1,1,1-trifluoroethan Concentration: 22.0 ug/l

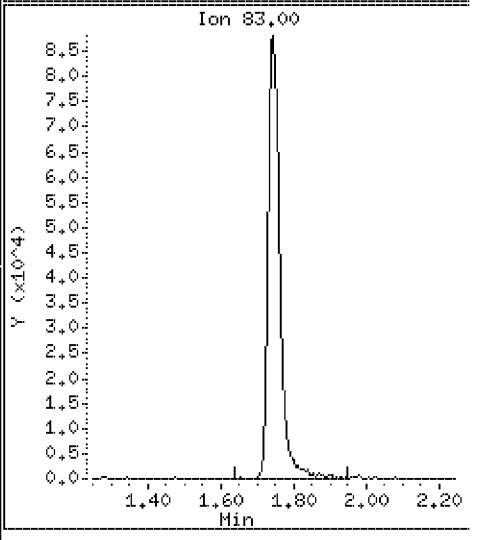












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

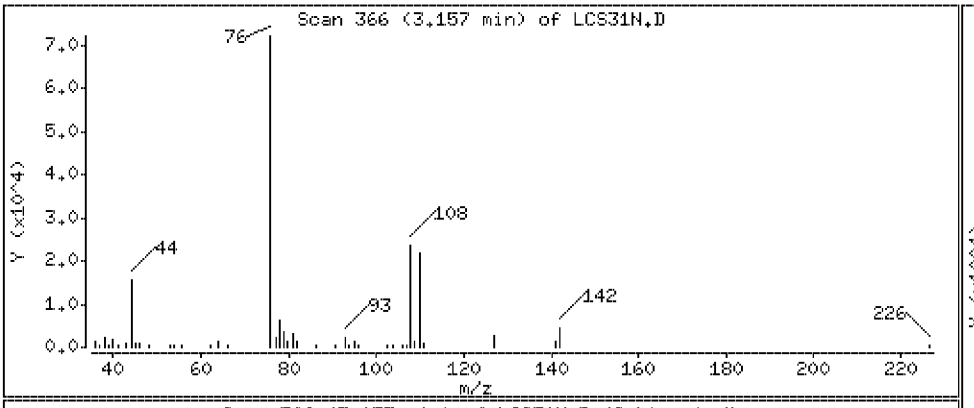
Operator:

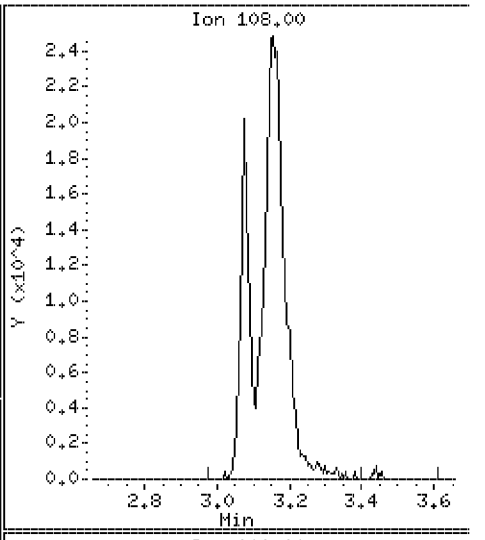
Column phase: RTX-502.2

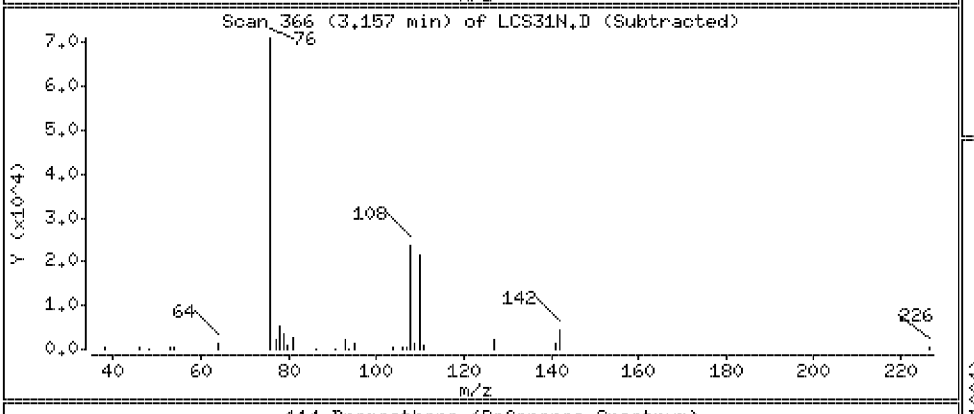
Column diameter: 0.18

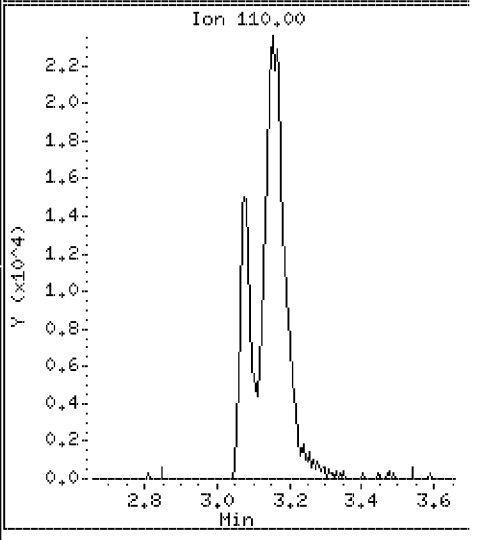
114 Bromoethane

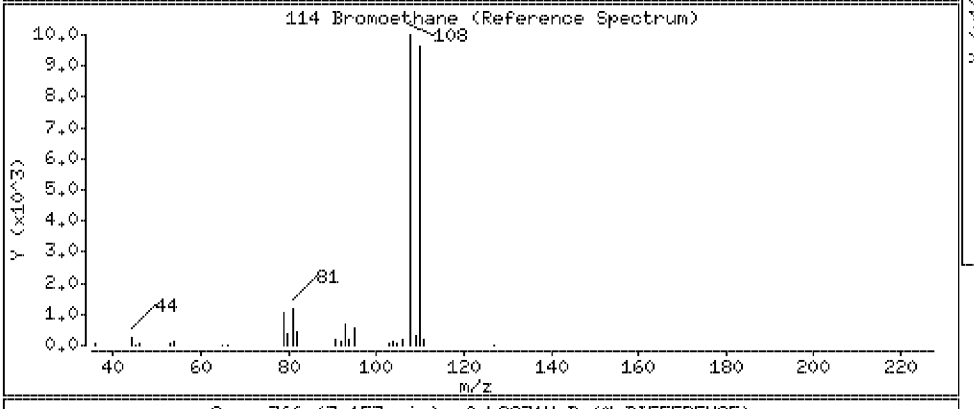
Concentration: 19.1 ug/l

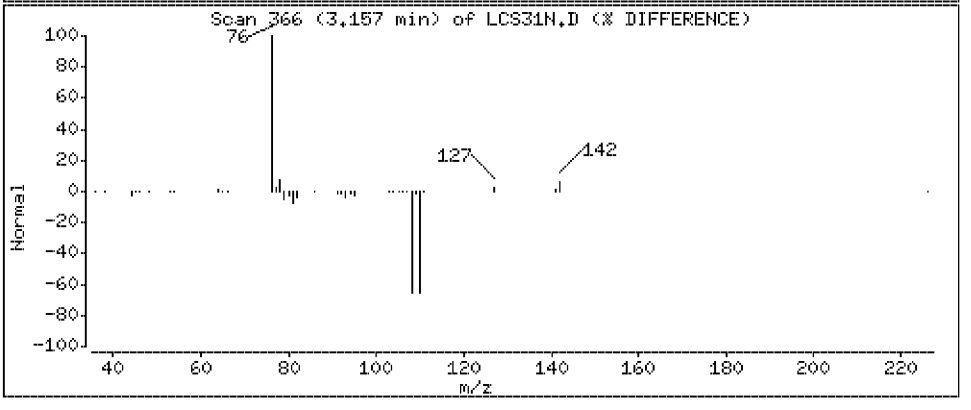












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

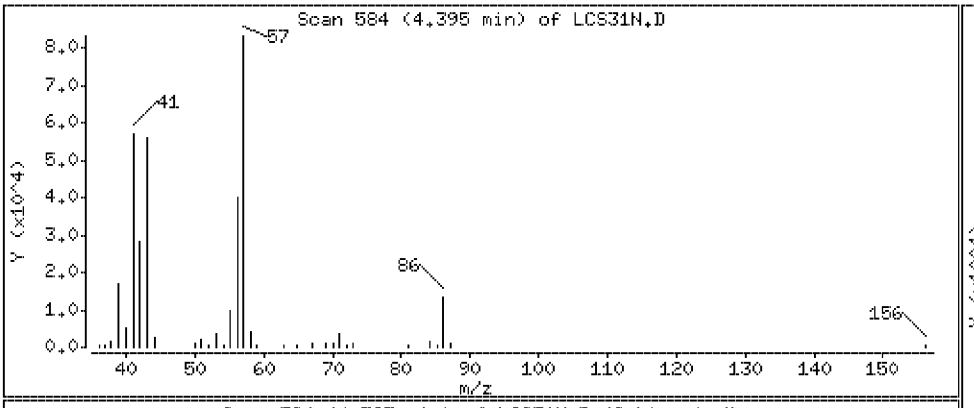
Operator:

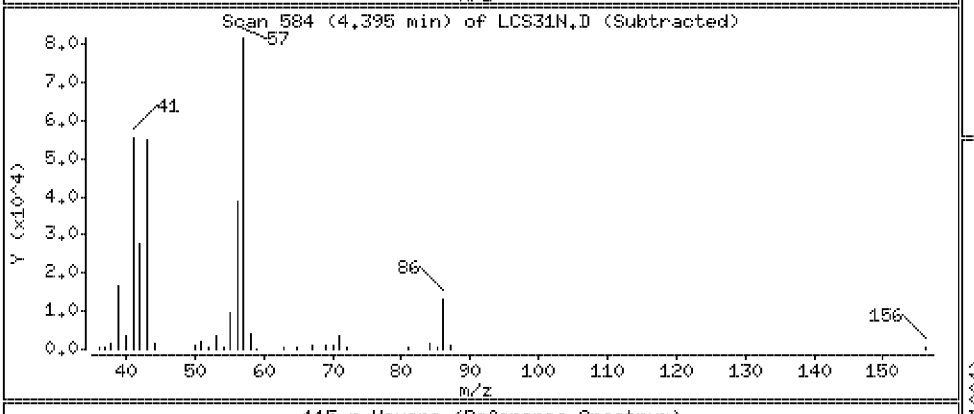
Column phase: RTX-502.2

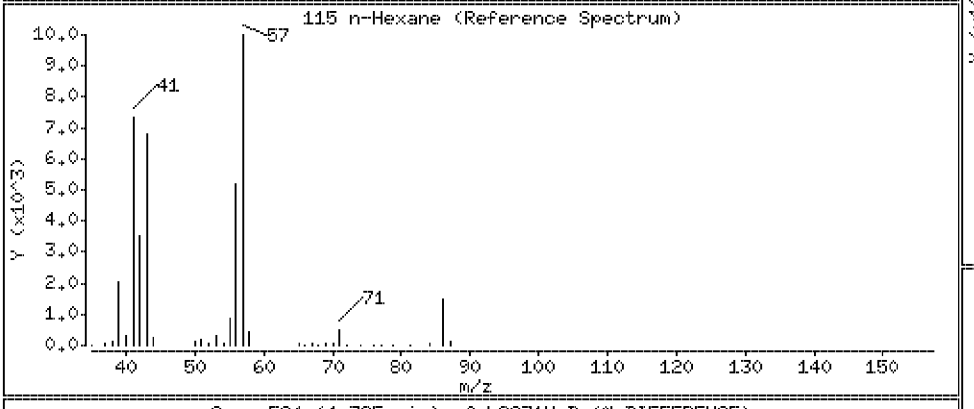
Column diameter: 0.18

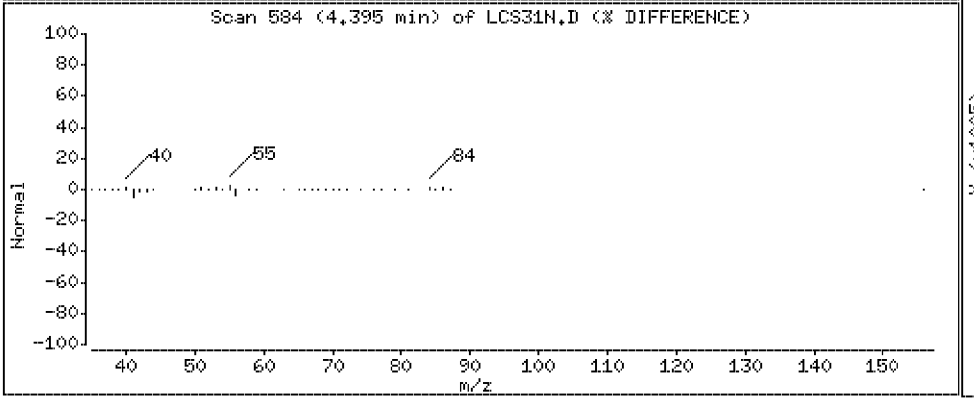
115 n-Hexane

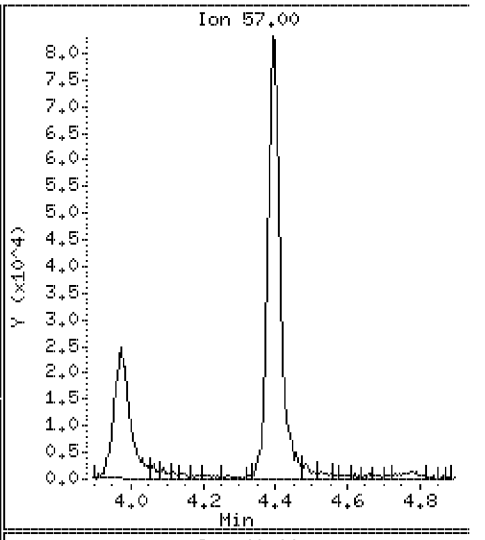
Concentration: 22.9 ug/l

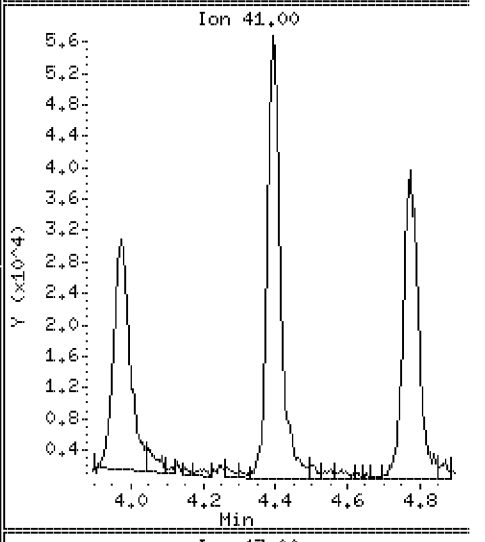


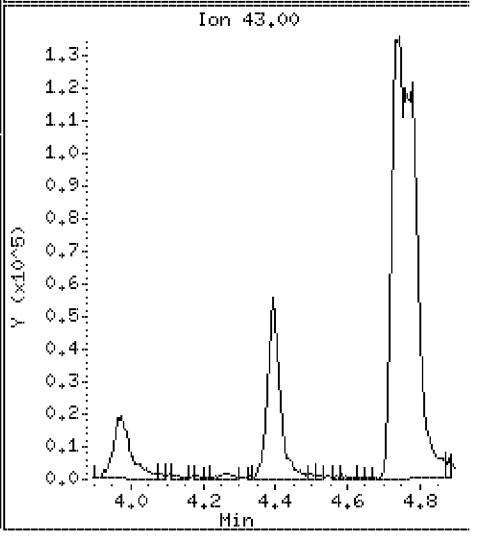












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

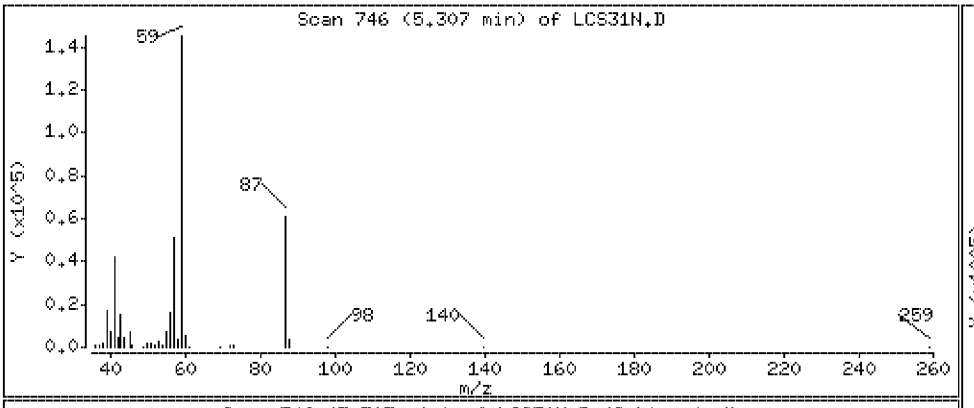
Client ID: 072710LCSA31 Instrument: vms03.i

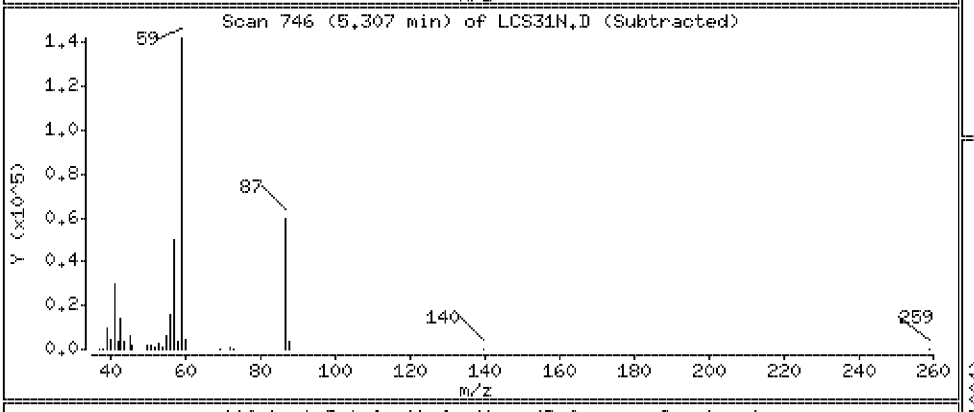
Sample Info: 072710LCSA31

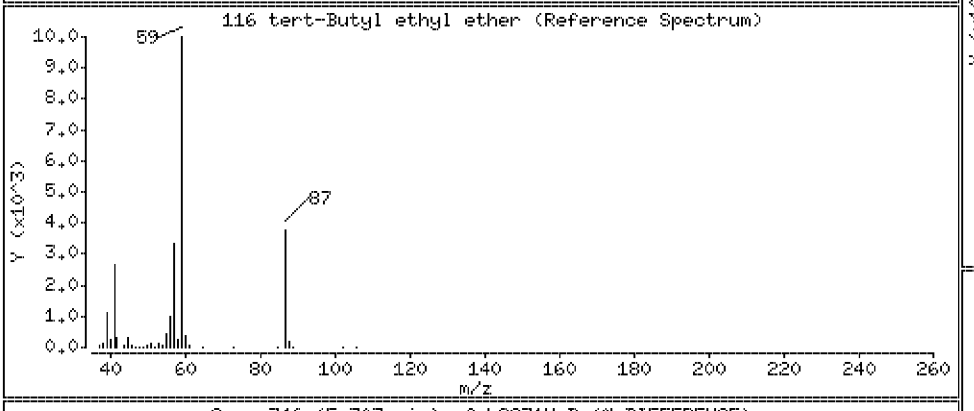
Purge Volume: 5.0 Operator:

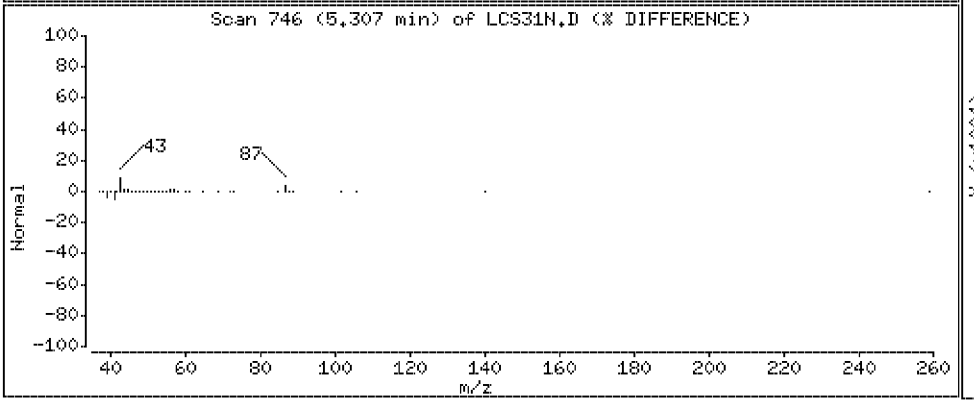
Column phase: RTX-502.2 Column diameter: 0.18

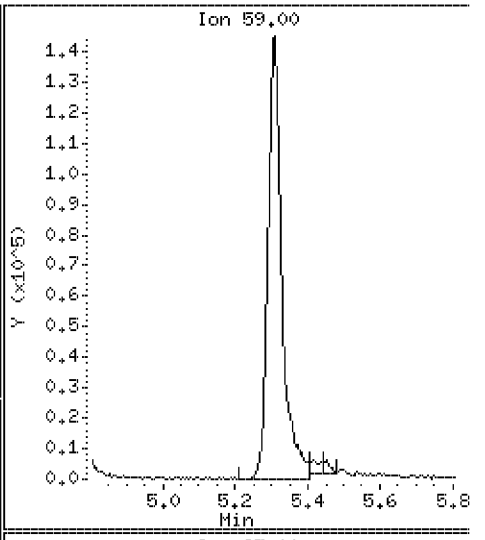
116 tert-Butyl ethyl ether Concentration: 19.5 ug/l

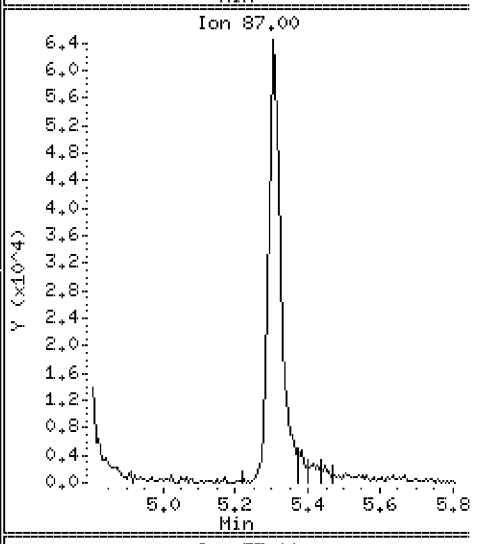


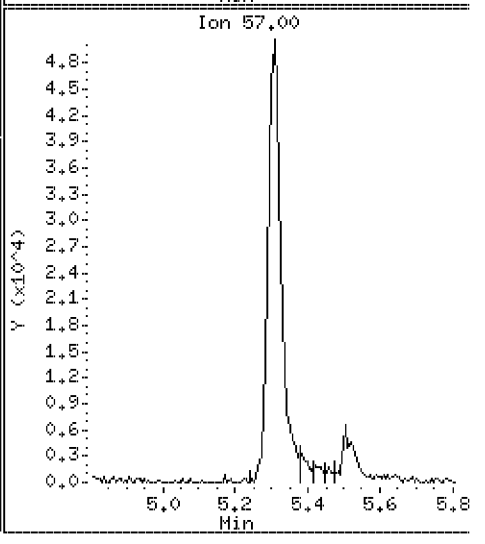












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

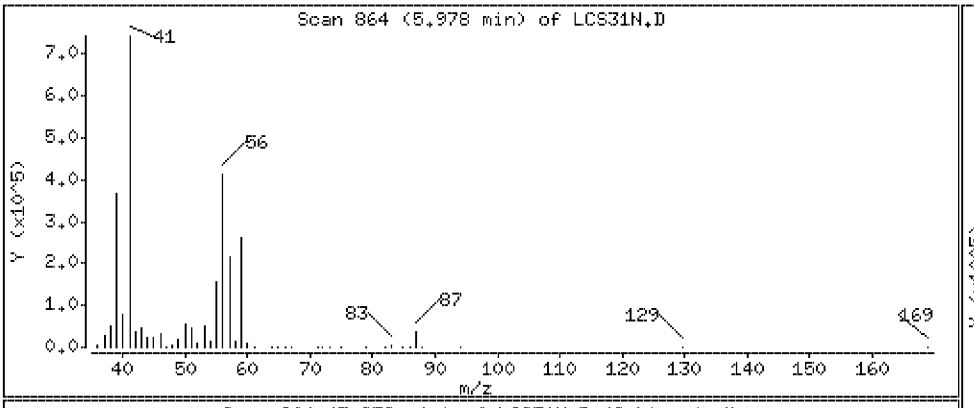
Client ID: 072710LCSA31 Instrument: vms03.i

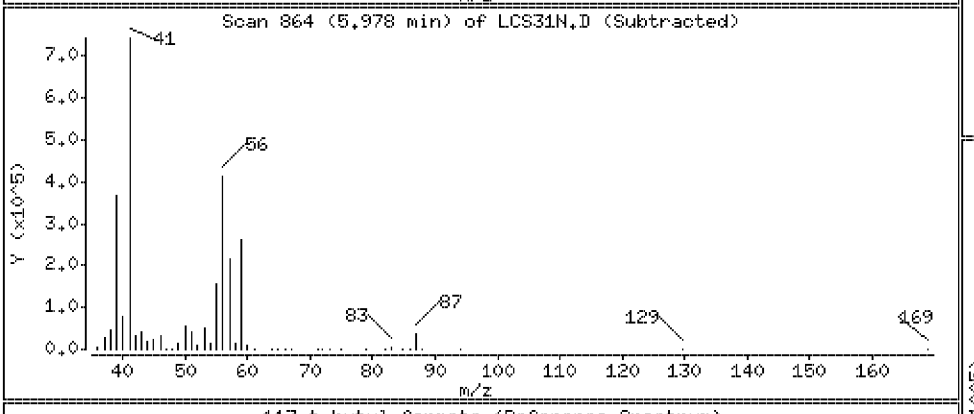
Sample Info: 072710LCSA31

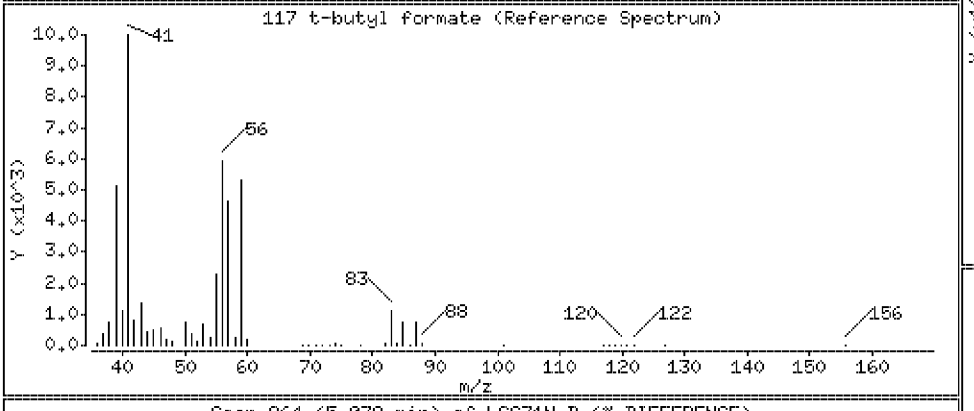
Purge Volume: 5.0 Operator:

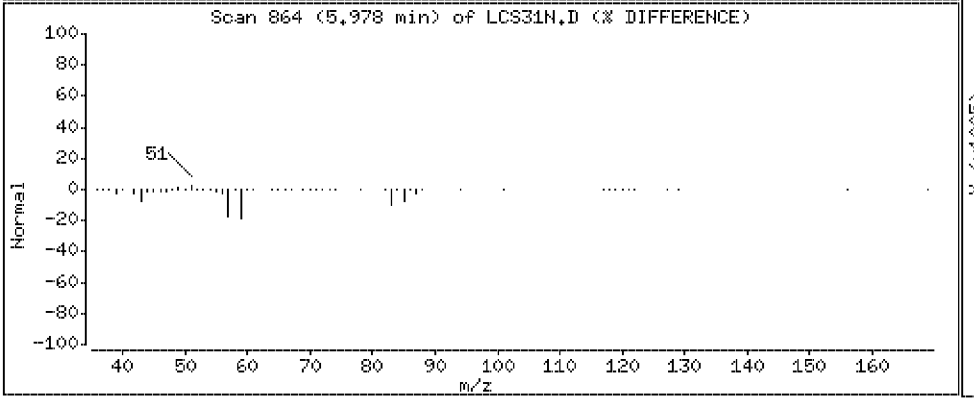
Column phase: RTX-502.2 Column diameter: 0.18

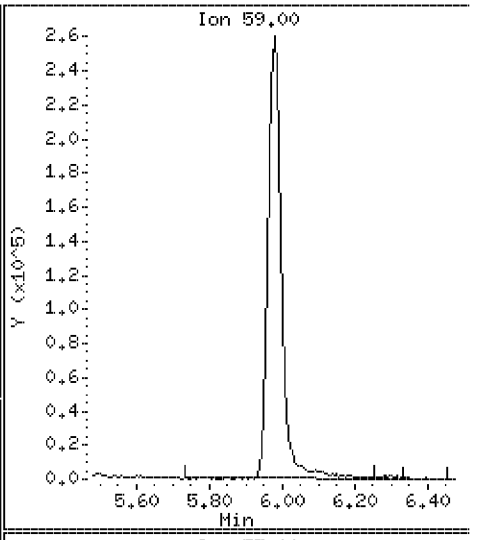
117 t-butyl formate Concentration: 321 ug/l

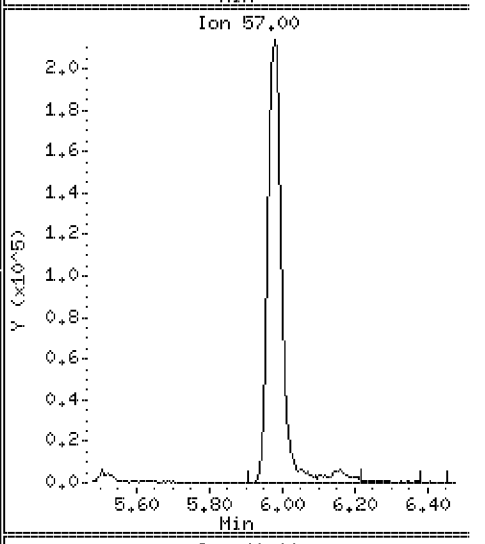


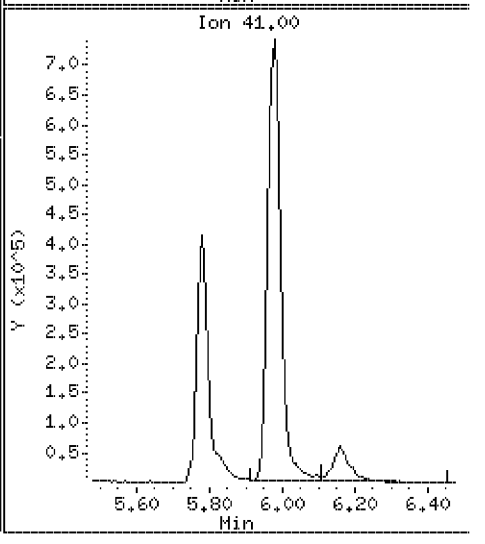












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

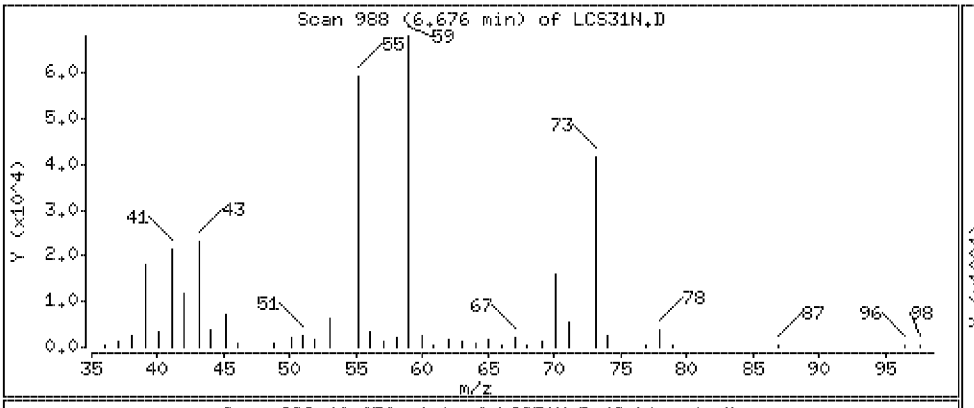
Client ID: 072710LCSA31 Instrument: vms03.i

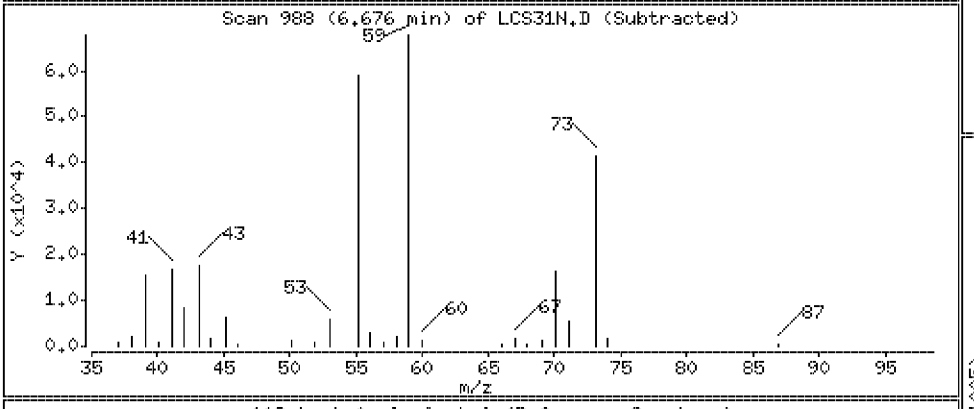
Sample Info: 072710LCSA31

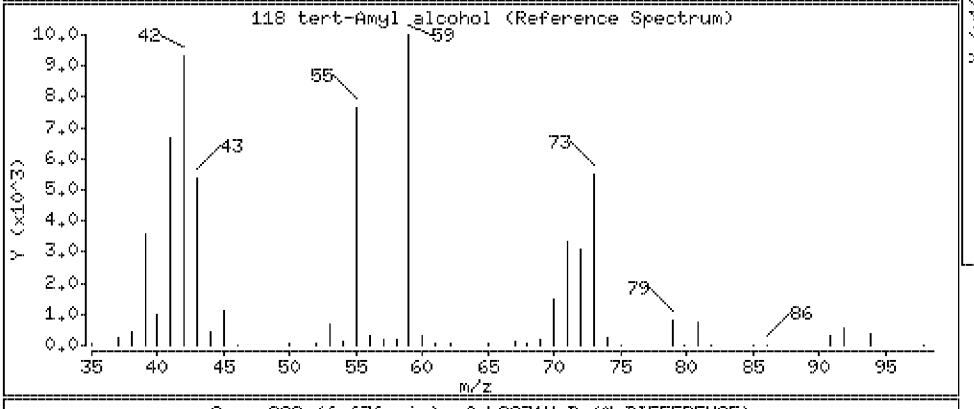
Purge Volume: 5.0 Operator:

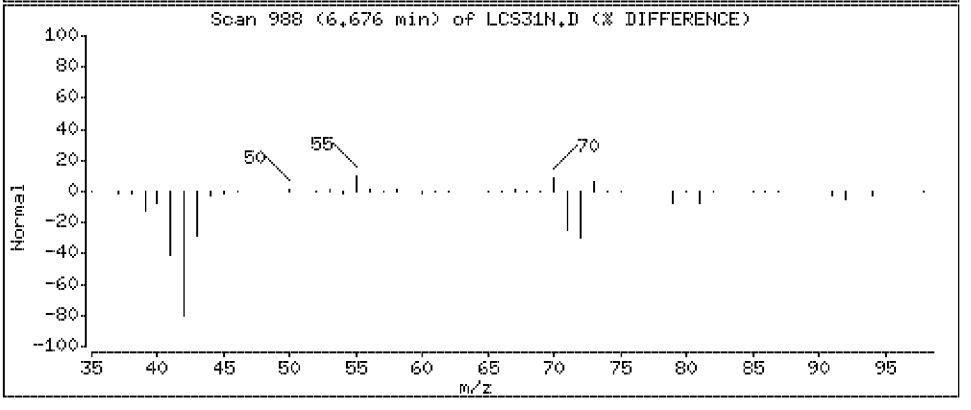
Column phase: RTX-502.2 Column diameter: 0.18

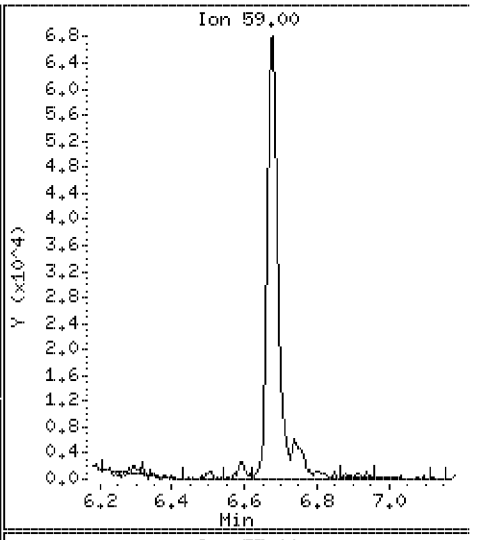
118 tert-Amyl alcohol Concentration: 357 ug/l

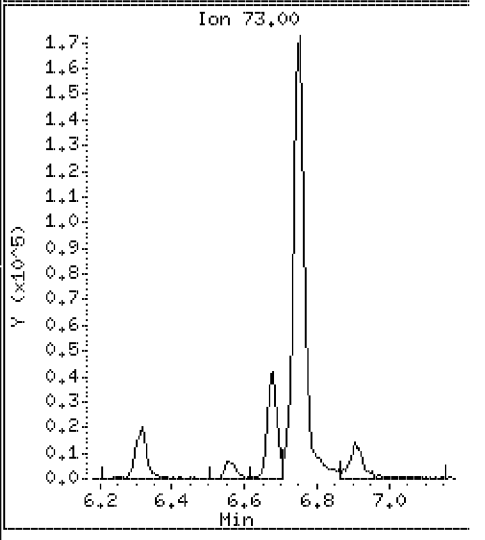












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

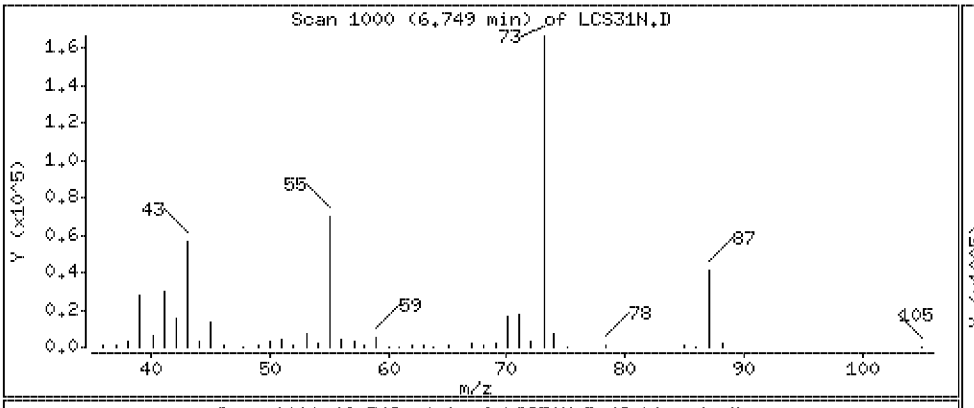
Operator:

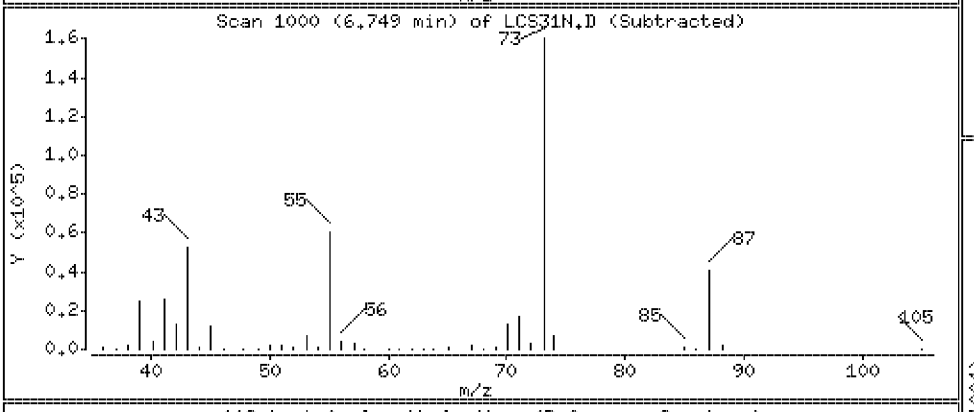
Column phase: RTX-502.2

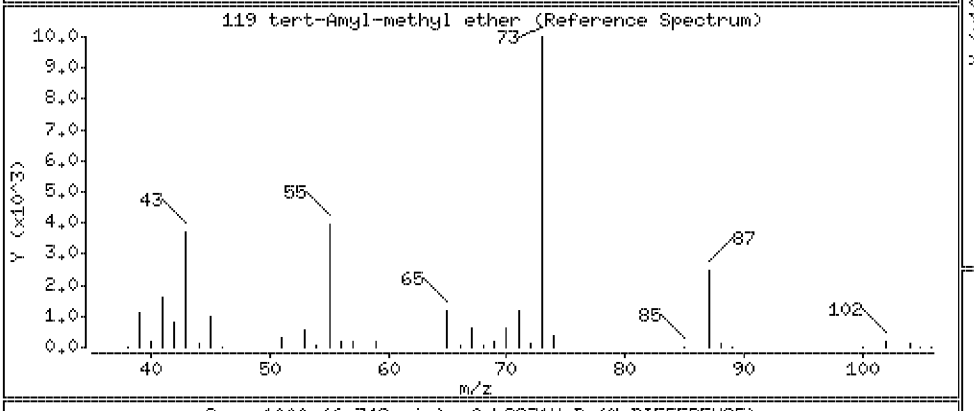
Column diameter: 0.18

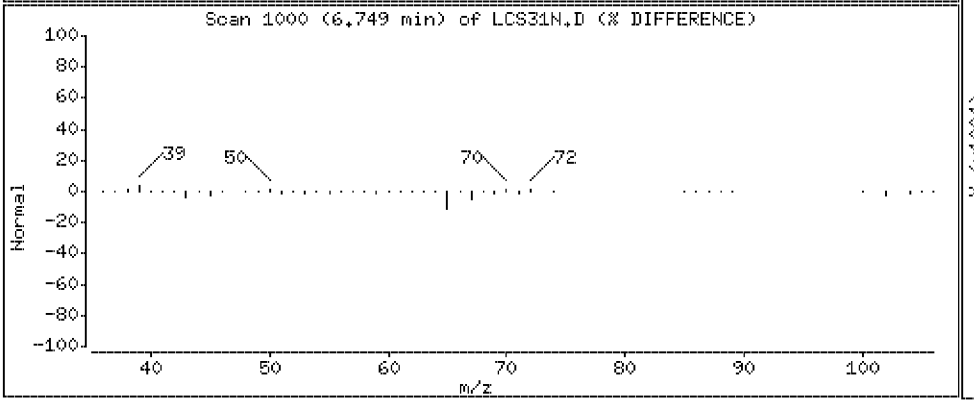
119 tert-Amyl-methyl ether

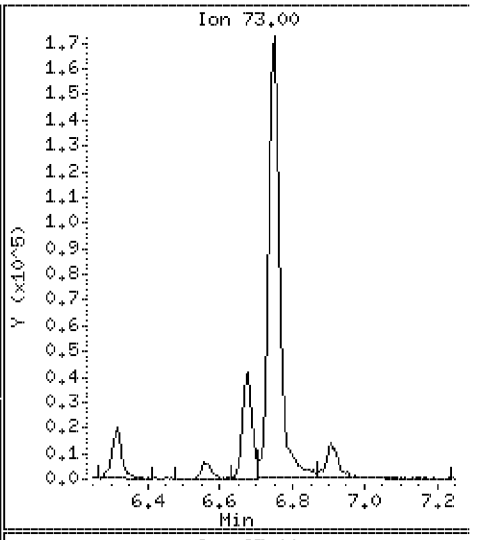
Concentration: 19.0 ug/l

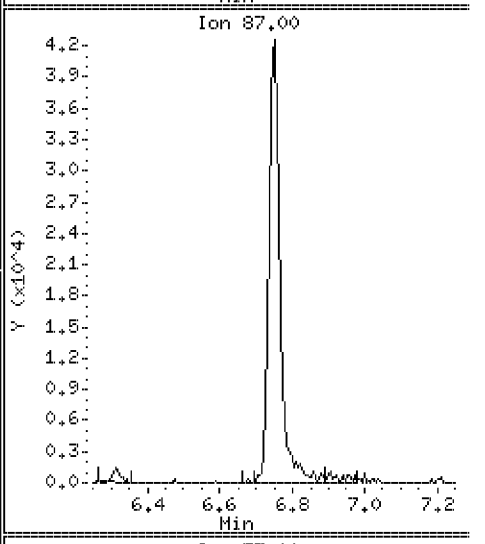


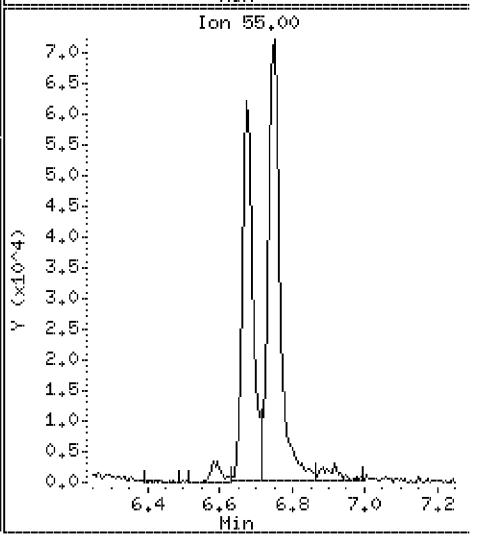












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

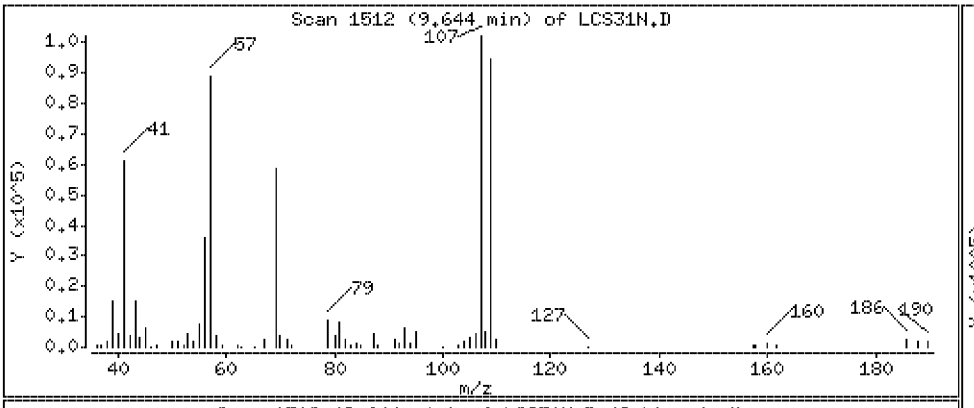
Client ID: 072710LCSA31 Instrument: vms03.i

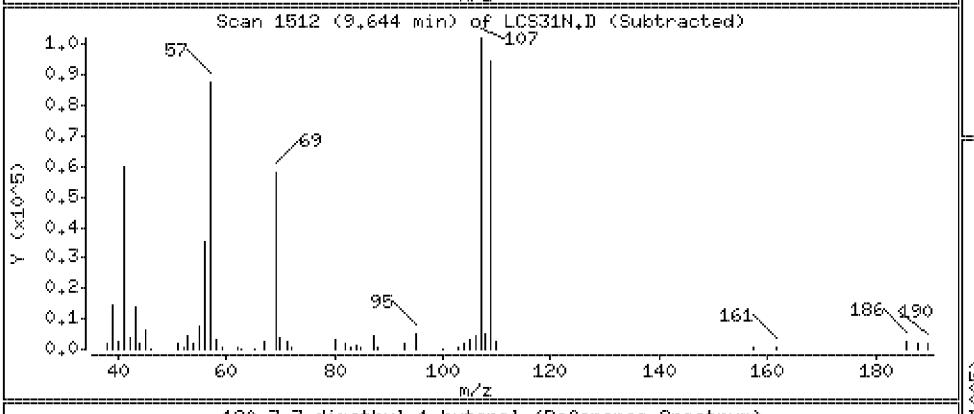
Sample Info: 072710LCSA31

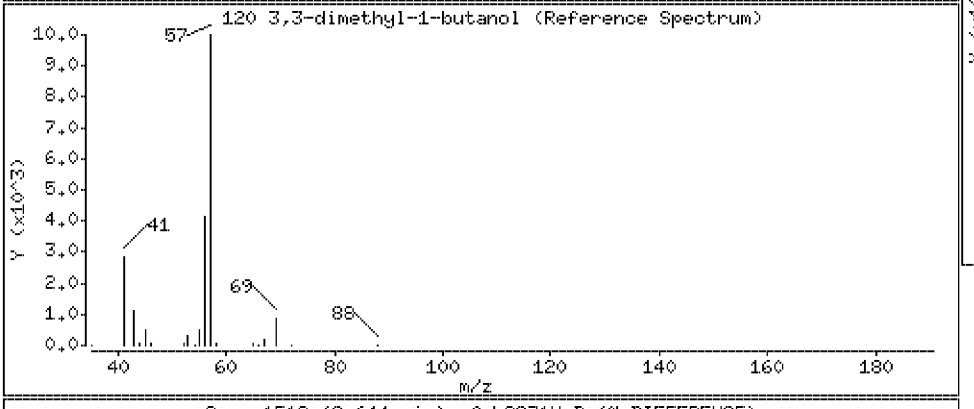
Purge Volume: 5.0 Operator:

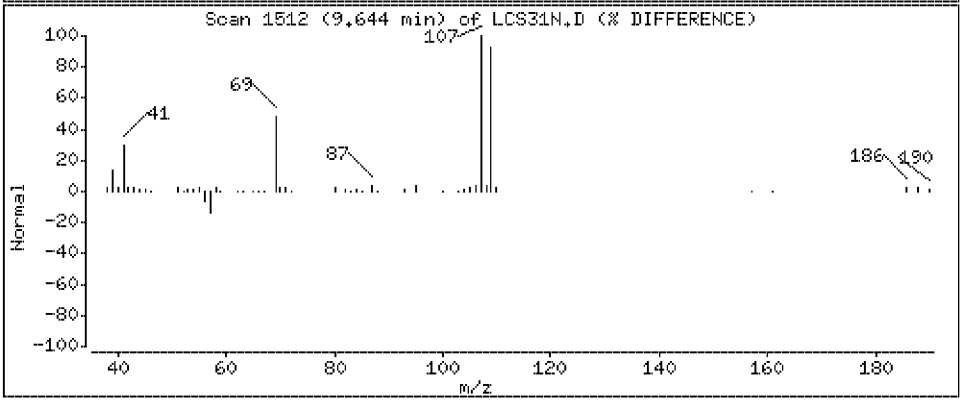
Column phase: RTX-502.2 Column diameter: 0.18

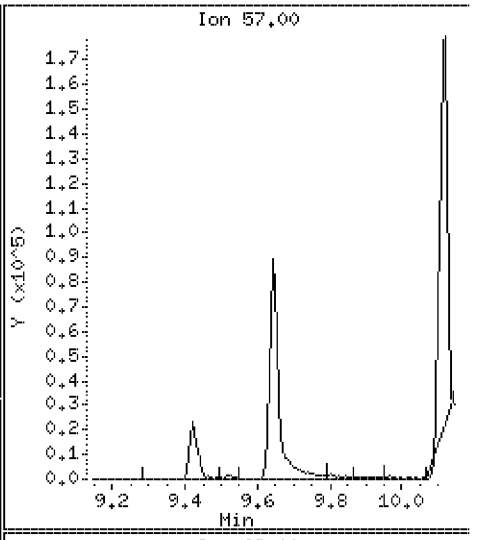
120 3,3-dimethyl-1-butanol Concentration: 368 ug/l

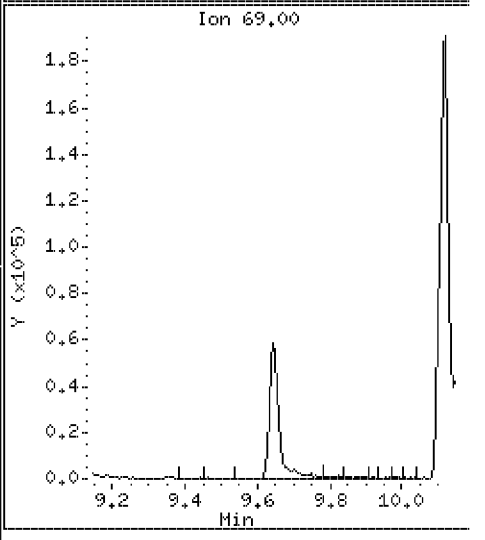












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31N.D

Date : 27-JUL-2010 07:30

Client ID: 072710LCSA31

Instrument: vms03.i

Sample Info: 072710LCSA31

Purge Volume: 5.0

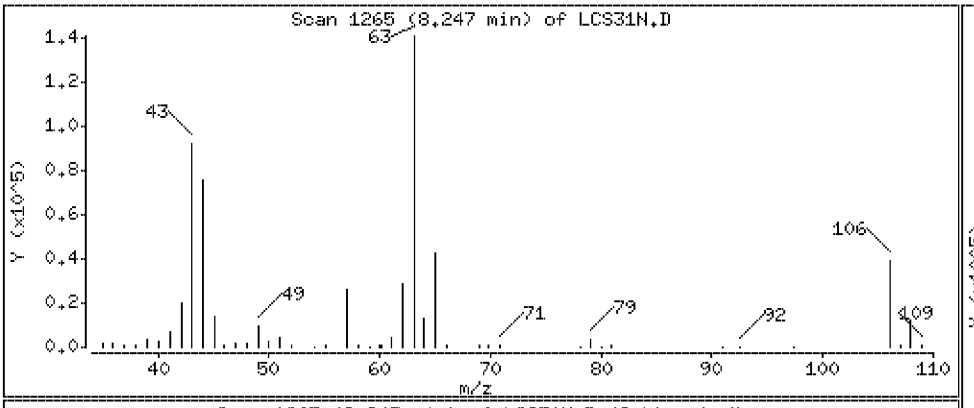
Operator:

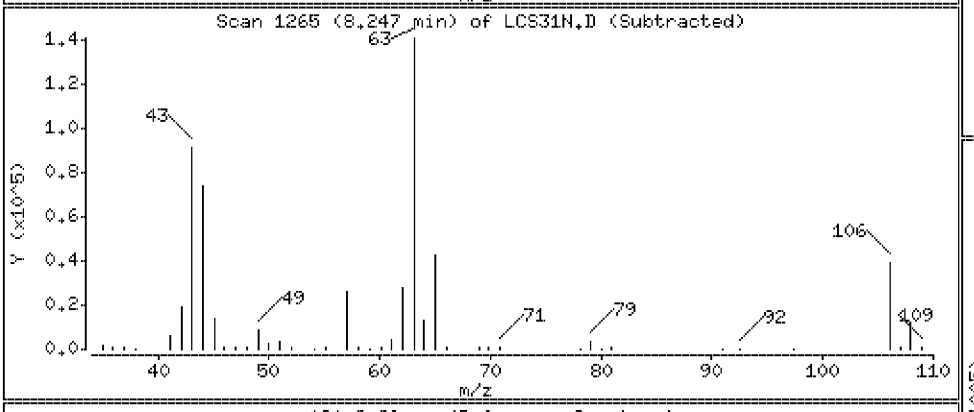
Column phase: RTX-502.2

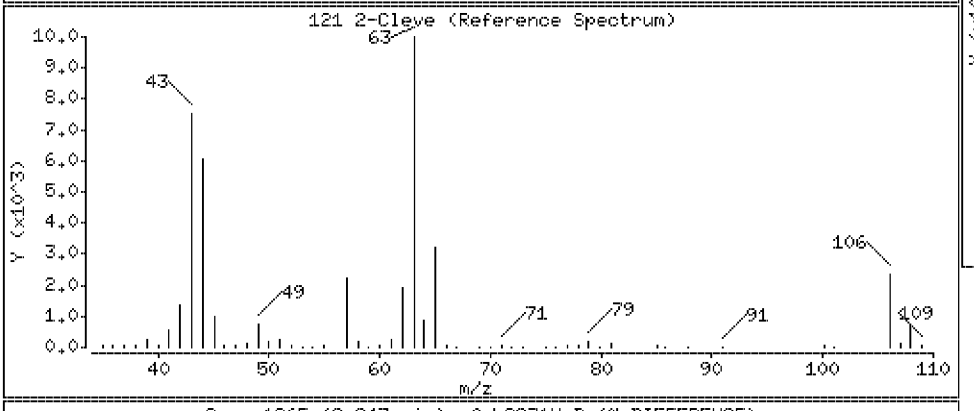
Column diameter: 0.18

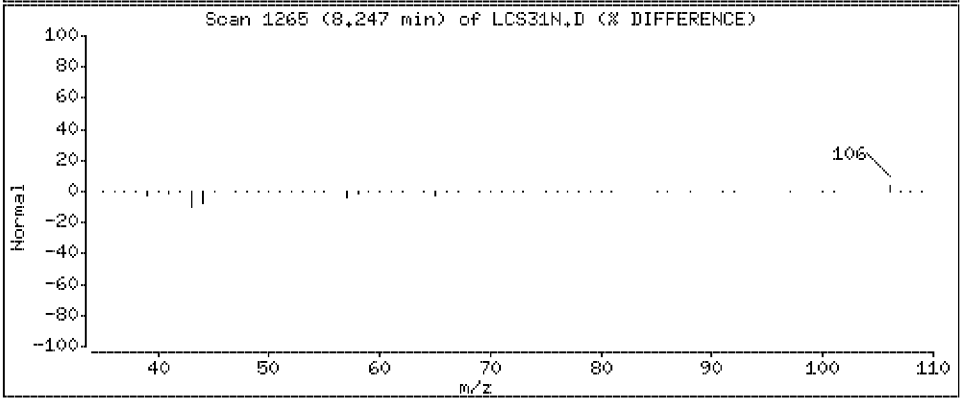
121 2-Cleve

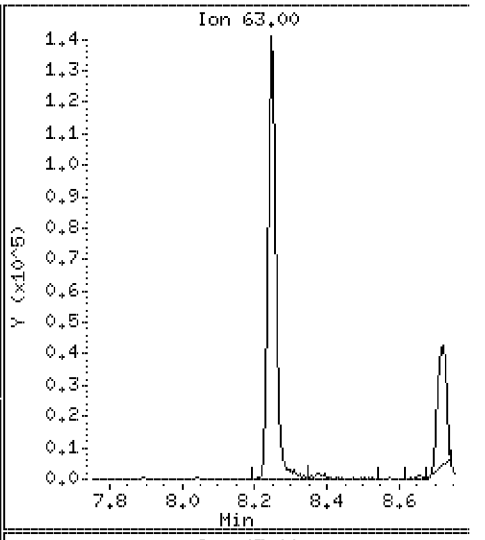
Concentration: 39.5 ug/l

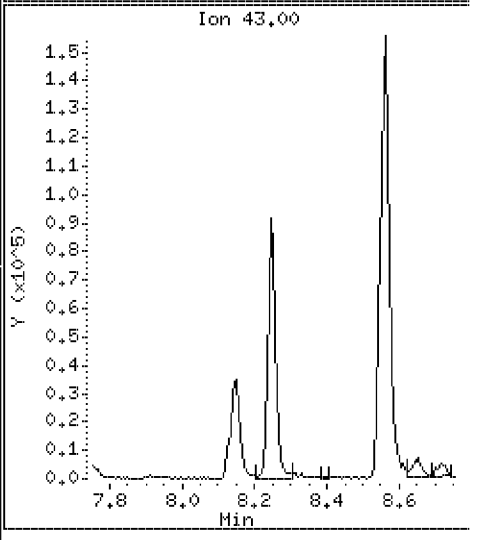












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D
Lab Smp Id: 072710LCSA31D Client Smp ID: 072710LCSA31D
Inj Date : 27-JUL-2010 07:54
Operator : Inst ID: vms03.i
Smp Info : 072710LCSA31D
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3072710N.B\8260NC.m
Meth Date : 30-Jul-2010 11:14 lpelo Quant Type: ISTD
Cal Date : 19-JUL-2010 08:45 Cal File: 200PPT.D
Als bottle: 5 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				481668	39.9423	39.9
M 2 Xylenes (Total)	100				1483307	63.2206	63.2
M 3 Trihalomethanes (Total)	100				910394	78.1151	78.1
4 Dichlorodifluoromethane	85	1.372	1.368	(0.199)	204410	15.8379	15.8
5 Chloromethane	50	1.516	1.520	(0.219)	197957	16.2889	16.3
6 Vinyl Chloride	62	1.633	1.628	(0.236)	226603	18.9066	18.9
7 Bromomethane	96	1.946	1.949	(0.282)	117721	17.5646	17.6
8 Chloroethane	64	2.066	2.071	(0.299)	137423	17.5672	17.6
9 Trichlorofluoromethane	101	2.329	2.331	(0.337)	317008	17.8717	17.9
10 Acrolein	56	2.767	2.773	(0.401)	32188	34.8567	34.8
11 1,1,2 Trichlorotrifluoromethan	101	2.943	2.948	(0.426)	182014	18.8741	18.9
12 Acetone	43	2.965	2.967	(0.429)	100687	41.5077	41.5
13 1,1-Dichloroethene	61	2.906	2.904	(0.421)	297367	19.2531	19.2
109 t-Butyl-Alcohol	59	3.806	3.798	(0.551)	144355	199.323	199
14 Acetonitrile	41	3.345	3.348	(0.484)	310939	144.415	144(q)
15 Iodomethane	142	3.091	3.089	(0.447)	284015	18.9107	18.9
16 Methyl Acetate	43	3.418	3.411	(0.495)	99251	15.1506	15.2
17 Allyl Chloride	41	3.345	3.348	(0.484)	310939	14.6710	14.7
18 Carbon Disulfide	76	3.139	3.138	(0.454)	491027	18.3543	18.4
19 Methylene Chloride	49	3.581	3.586	(0.518)	344792	20.4628	20.5
20 Acrylonitrile	53	3.913	3.916	(0.566)	137260	40.2434	40.2
21 Methyl-tert-butyl ether	73	3.975	3.975	(0.575)	393603	19.5976	19.6
22 trans 1,2-Dichloroethene	61	3.930	3.932	(0.569)	275805	19.9454	19.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	23 1,1-Dichloroethane	63	4.587	4.587	(0.664)	351053	20.3146	20.3
	24 Vinyl Acetate	43	4.743	4.750	(0.687)	662635	20.7932	20.8
	25 Chloroprene	53	4.725	4.731	(0.684)	275959	20.4160	20.4
	26 2-Butanone	43	5.511	5.528	(0.798)	135781	40.8224	40.8
	27 Propionitrile	54	5.580	5.596	(0.808)	228338	195.275	195
	28 2,2-Dichloropropane	77	5.429	5.430	(0.786)	139691	20.7196	20.7
	29 cis-1,2-Dichloroethene	96	5.445	5.453	(0.788)	205863	19.9969	20.0
	30 Methyacrylonitrile	67	5.779	5.782	(0.836)	681858	197.228	197
	31 Isobutyl Alcohol	43	5.980	5.977	(0.866)	100296	327.664	328(Q)
	32 Chloroform	83	5.902	5.907	(0.854)	344382	19.7135	19.7
	33 Bromochloromethane	49	5.760	5.764	(0.834)	194623	20.0793	20.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.104	6.104	(0.883)	535098	51.9130	51.9
	35 1,1,1-Trichloroethane	97	6.096	6.103	(0.882)	259773	20.1517	20.2
	36 Cyclohexane	56	6.157	6.158	(0.891)	320125	20.2027	20.2(Q)
	37 1,1-Dichloropropene	75	6.312	6.311	(0.914)	265777	20.5919	20.6
	38 Carbon tetrachloride	117	6.303	6.302	(0.912)	239352	18.6164	18.6
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.501	6.505	(0.941)	122017	50.4602	50.5(Q)
	40 1,2-Dichloroethane	62	6.592	6.592	(0.954)	266178	19.4077	19.4
	41 Benzene	78	6.560	6.555	(0.949)	782911	20.9698	21.0
*	42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1773744	50.0000	
	43 Trichloroethylene	130	7.329	7.327	(1.061)	206867	20.6890	20.7
	44 Methyl Cyclohexane	55	7.534	7.530	(1.090)	184227	20.8750	20.9
	45 1,2-Dichloropropane	63	7.575	7.576	(1.096)	210735	20.7118	20.7
	46 Methyl Methacrylate	69	7.760	7.762	(1.123)	110636	18.5398	18.5
	47 Bromodichloromethane	83	7.892	7.891	(1.142)	267583	19.7618	19.8
	48 1,4 Dioxane	88	7.754	7.764	(1.122)	28604	400.271	400(Q)
	49 Dibromomethane	93	7.700	7.695	(1.114)	120779	19.6328	19.6
	50 4-Methyl-2-Pentanone	58	8.560	8.563	(1.239)	107586	39.1943	39.2(Q)
	51 2-Hexanone	43	9.421	9.425	(0.931)	194746	39.6382	39.6
	52 cis 1,3-Dichloropropene	75	8.377	8.382	(1.212)	294502	20.9193	20.9
$	53 TOLUENE d8 (surr)	98	8.651	8.651	(1.252)	2049909	52.1461	52.1
	54 Toluene	92	8.719	8.718	(1.262)	489325	21.1151	21.1
	55 trans 1,3-Dichloropropene	75	8.963	8.964	(1.297)	225996	17.8276	17.8
	56 Ethyl Methacrylate	69	9.085	9.087	(1.315)	208234	18.9361	18.9
	57 1,1,2-Trichloroethane	97	9.146	9.145	(1.324)	167036	19.7736	19.8
	58 1,3-Dichloropropane	76	9.312	9.311	(0.920)	297588	19.7565	19.8
	59 Tetrachloroethylene	164	9.282	9.287	(0.917)	160917	21.0725	21.1
	60 Dibromochloromethane	129	9.539	9.546	(0.942)	188058	19.3328	19.3
	61 1,2-Dibromoethane	107	9.642	9.641	(0.953)	170765	19.3199	19.3
	62 1-Chlorohexane	91	10.148	10.147	(1.003)	238141	19.8370	19.8(Q)
*	63 CHLOROBENZENE d5 (IS)	117	10.122	10.121	(1.000)	1567002	50.0000	
	64 Chlorobenzene	112	10.150	10.150	(1.003)	560644	19.9633	20.0(Q)
	65 1,1,1,2-Tetrachloroethane	131	10.240	10.235	(1.012)	187397	19.6139	19.6(Q)
	66 Ethylbenzene	106	10.272	10.270	(1.015)	296160	20.1838	20.2
	67 p,m-Xylene	106	10.392	10.393	(1.027)	751591	42.8100	42.8
	68 o-Xylene	91	10.788	10.787	(1.066)	731716	20.4107	20.4
	69 Styrene	104	10.802	10.803	(1.067)	623471	21.6831	21.7
	70 Bromoform	173	10.977	10.981	(1.084)	110371	19.3071	19.3
	71 1-Methylethylbenzene	105	11.163	11.165	(0.895)	815234	20.3065	20.3
	72 1,4-Dichloro-2-Butene	53	11.230	11.227	(0.901)	45897	35.1594	35.2(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.462	11.462	(0.920)	221452	19.0903	19.1(Q)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.308	11.308	(0.907)	748570	49.4142	49.4
	75 1,2,3- trichloropropane	110	11.498	11.500	(0.922)	61955	18.6518	18.6(Q)
	76 n-Propylbenzene	91	11.576	11.579	(0.929)	986455	20.7648	20.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	11.451	11.453	(0.919)	361383	19.3050	19.3
78 1,3,5-Trimethylbenzene	105	11.756	11.755	(0.943)	714370	20.5244	20.5
79 2-Chlorotoluene	91	11.653	11.652	(0.935)	631717	19.9975	20.0
80 4-Chlorotoluene	91	11.762	11.762	(0.944)	741161	20.3117	20.3
81 tert-Butylbenzene	119	12.079	12.077	(0.969)	556362	20.3258	20.3
82 1,2,4-trimethylbenzene	105	12.127	12.129	(0.973)	761576	20.4733	20.5
123 1,2,3-Trimethylbenzene	105	12.548	12.547	(1.007)	892958	22.2377	22.2
83 sec-Butylbenzene	105	12.300	12.301	(0.987)	796609	20.8670	20.9
84 p-Isopropyltoluene	119	12.449	12.450	(0.999)	684958	20.6538	20.6
85 1,3-Dichlorobenzene	146	12.400	12.400	(0.995)	432123	20.2902	20.3
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	899459	50.0000	
87 1,4-Dichlorobenzene	146	12.489	12.488	(1.002)	444479	19.6547	19.6(Q)
88 Benzyl Chloride	91	12.628	12.627	(1.013)	176365	16.1778	16.2
89 n-Butylbenzene	91	12.859	12.859	(1.032)	580119	20.7402	20.7
90 1,2-Dichlorobenzene	146	12.859	12.855	(1.032)	403049	19.6470	19.6
91 1,2-dibromo-3-chloropropane	75	13.639	13.639	(1.094)	30859	17.4368	17.4(q)
92 1,2,4-Trichlorobenzene	180	14.401	14.402	(1.155)	214016	19.6223	19.6
93 Hexachlorobutadiene	223	14.541	14.540	(1.166)	59702	22.2736	22.3(Q)
94 Naphthalene	128	14.590	14.589	(1.170)	493334	17.3670	17.4
95 1,2,3-trichlorobenzene	180	14.769	14.765	(1.185)	190095	18.4817	18.5
103 Isopropyl Ether	45	4.774	4.780	(0.691)	622072	20.6200	20.6
104 Ethyl acetate	43	5.632	5.639	(0.815)	275043	37.8466	37.8
105 Cyclohexanone	55	11.243	11.244	(1.111)	125857	367.608	368(R)
106 Ethyl ether	59	2.630	2.635	(0.381)	95062	12.6550	12.6(R)
107 2-Nitropropane	43	8.145	8.148	(1.179)	60625	30.3174	30.3
108 Tetrahydrofuran	42	5.834	5.855	(0.844)	83869	38.9453	38.9
110 Chlorotrifluoroethylene	116	1.328	1.328	(0.192)	12408	9.32552	9.3(aR)
111 Isobutene	41	1.582	1.601	(0.229)	140632	409.457	409(A)
112 Ethanol	45	2.547	2.547	(0.369)	38561	1485.68	1480
113 2-chloro-1,1,1-trifluoroethan	118	1.742	1.745	(0.252)	254691	20.2805	20.3
114 Bromoethane	108	3.154	3.158	(0.457)	127812	18.5570	18.6
115 n-Hexane	57	4.394	4.393	(0.636)	194196	21.2031	21.2
116 tert-Butyl ethyl ether	59	5.307	5.305	(0.768)	396236	19.2775	19.3
117 t-butyl formate	59	5.978	5.977	(0.865)	639160	322.089	322
118 tert-Amyl alcohol	59	6.677	6.680	(0.966)	155820	343.900	344(Q)
119 tert-Amyl-methyl ether	73	6.747	6.749	(0.977)	391300	19.0764	19.1
120 3,3-dimethyl-1-butanol	57	9.644	9.644	(1.396)	160460	357.805	358
121 2-Cleve	63	8.246	8.252	(1.193)	235480	40.8861	40.9

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: LCS31DN.D
Lab Smp Id: 072710LCSA31D
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3072710N.B\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 072710LCSA31D
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1773744	10.92
63 CHLOROBENZENE d5	1329024	664512	2658048	1567002	17.91
86 1,4-DICHLOROBENZE	751249	375625	1502498	899459	19.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.00
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.00
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

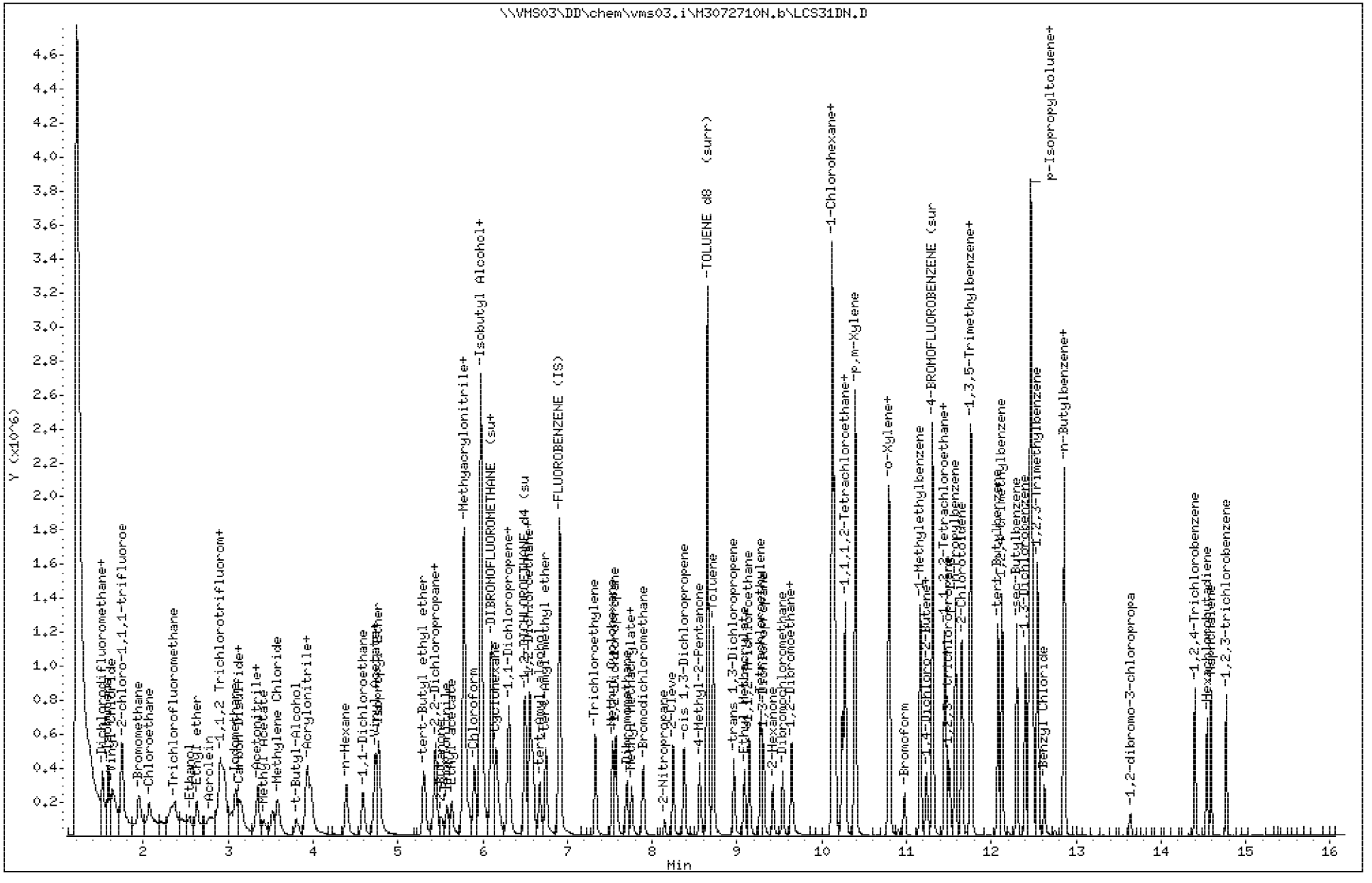
Sample Info: 072710LCSA31D

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



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Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

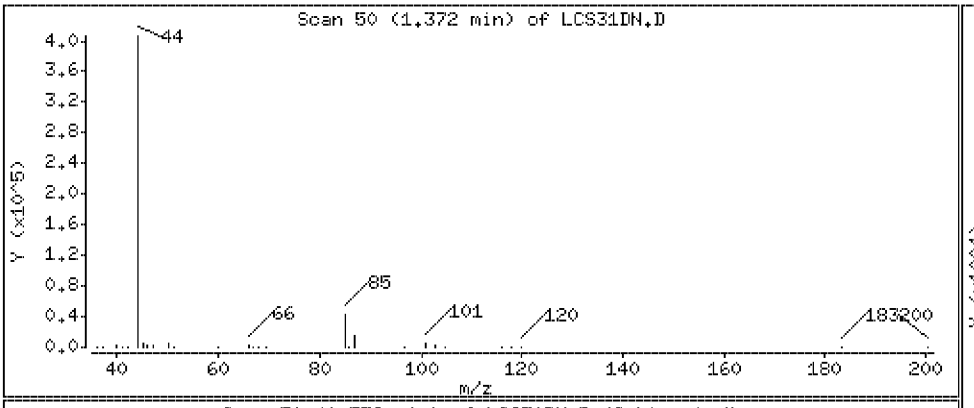
Operator:

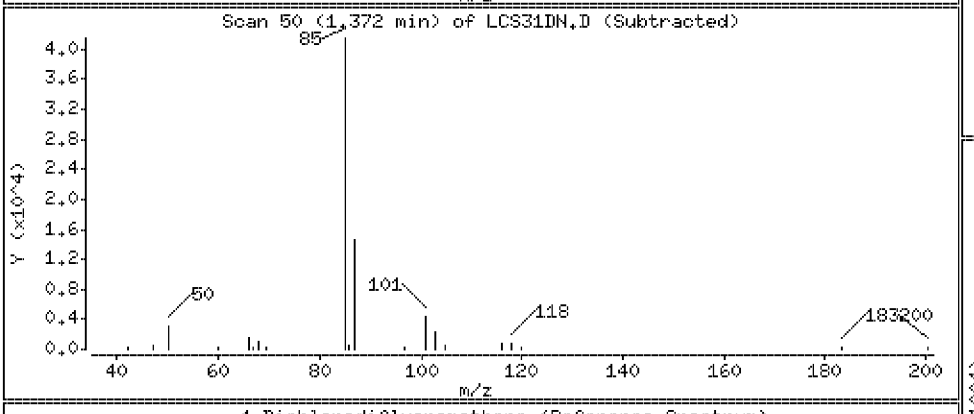
Column phase: RTX-502.2

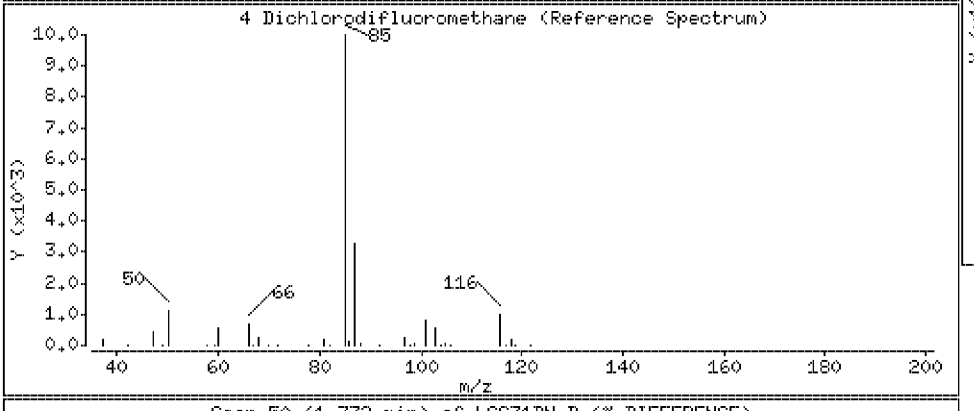
Column diameter: 0.18

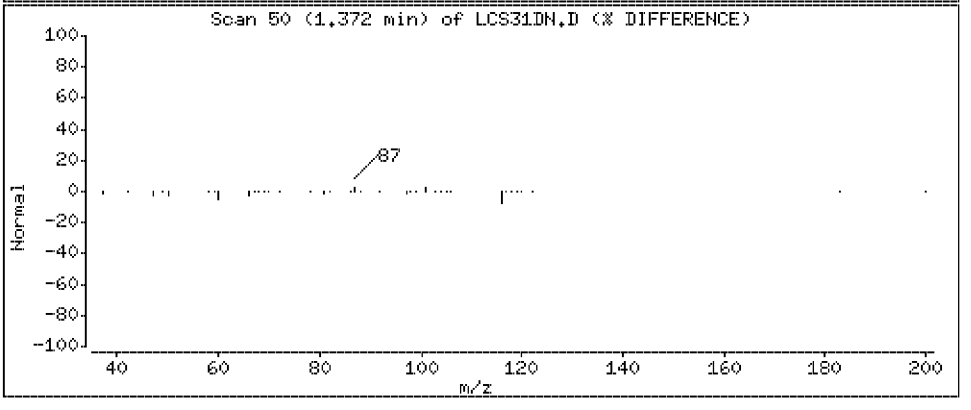
4 Dichlorodifluoromethane

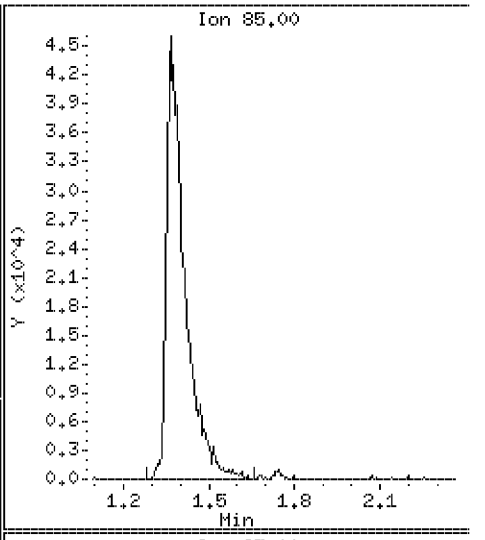
Concentration: 15.8 ug/l

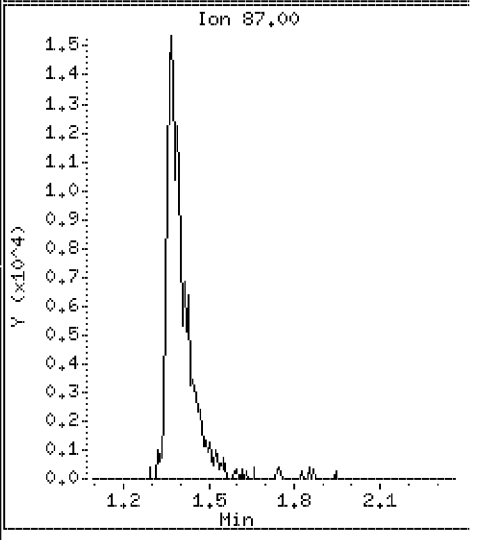












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

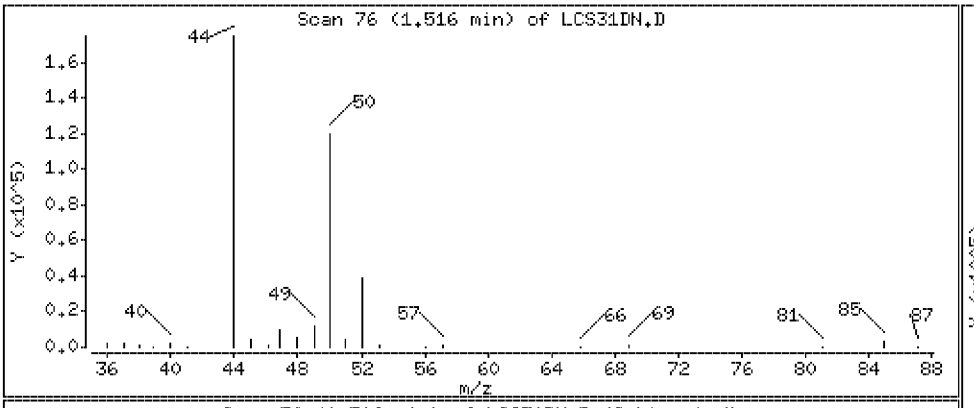
Operator:

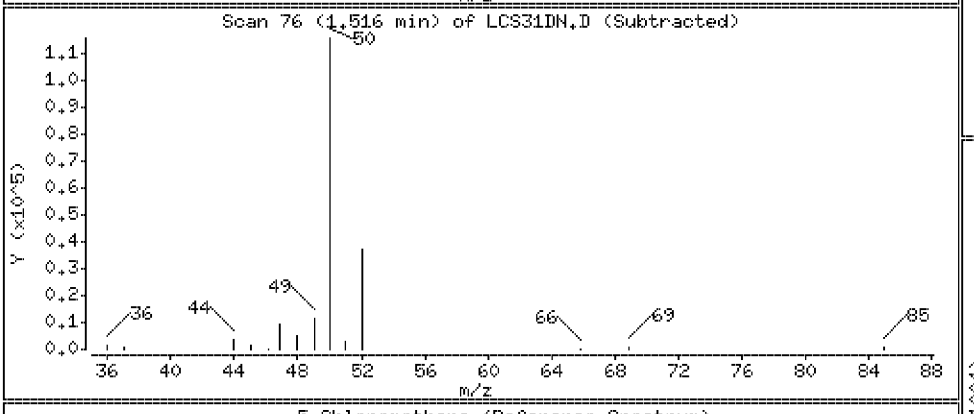
Column phase: RTX-502.2

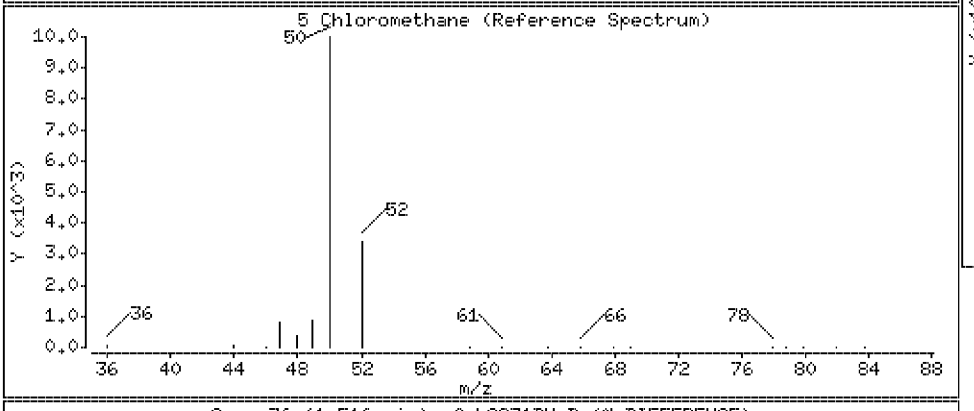
Column diameter: 0.18

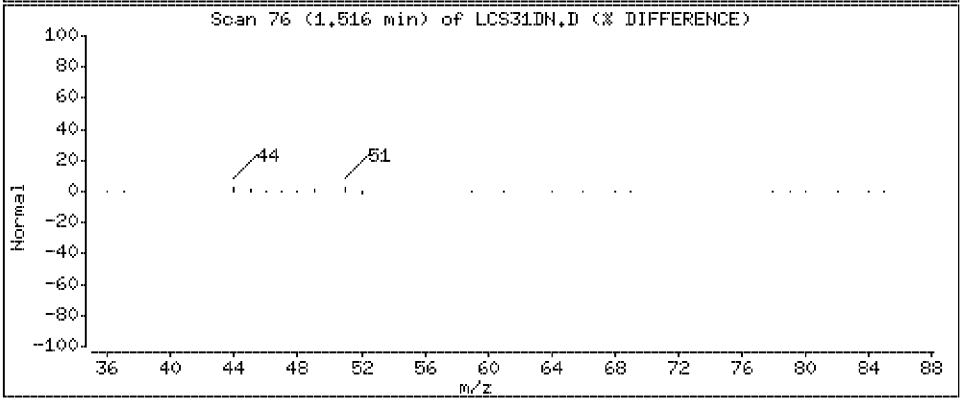
5 Chloromethane

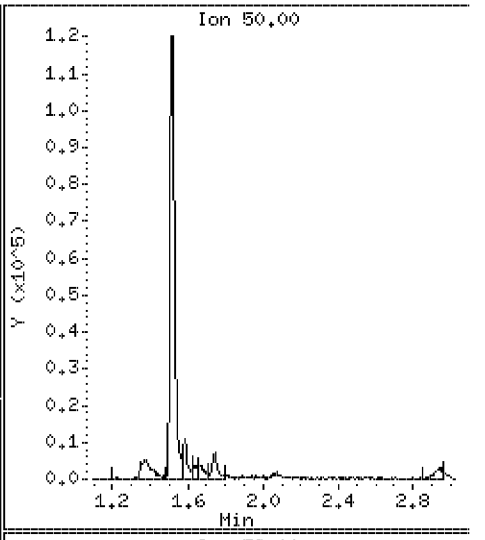
Concentration: 16.3 ug/l

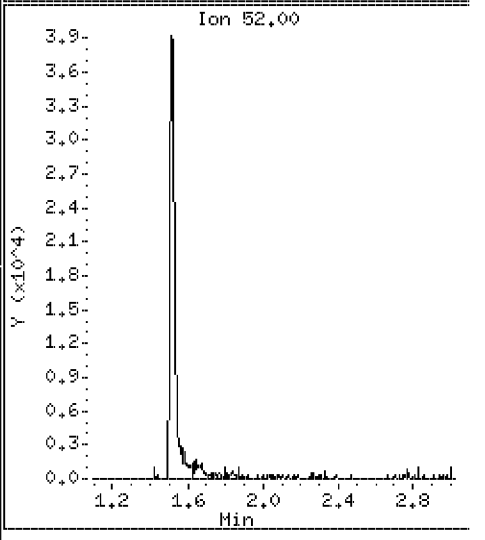












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

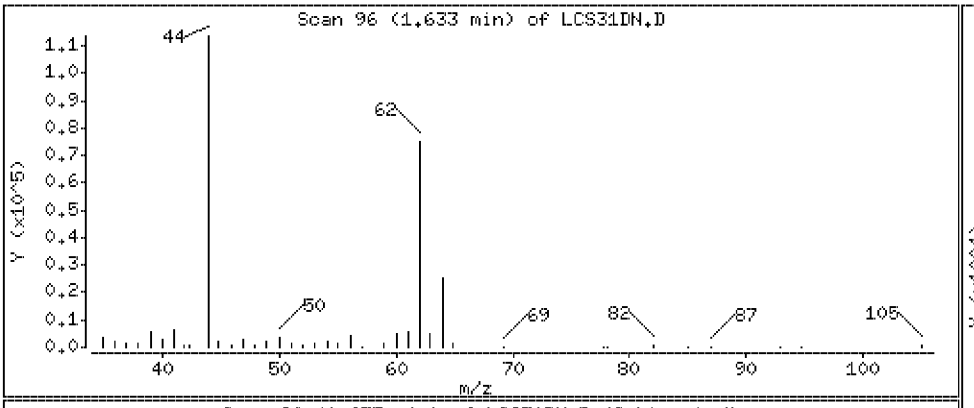
Operator:

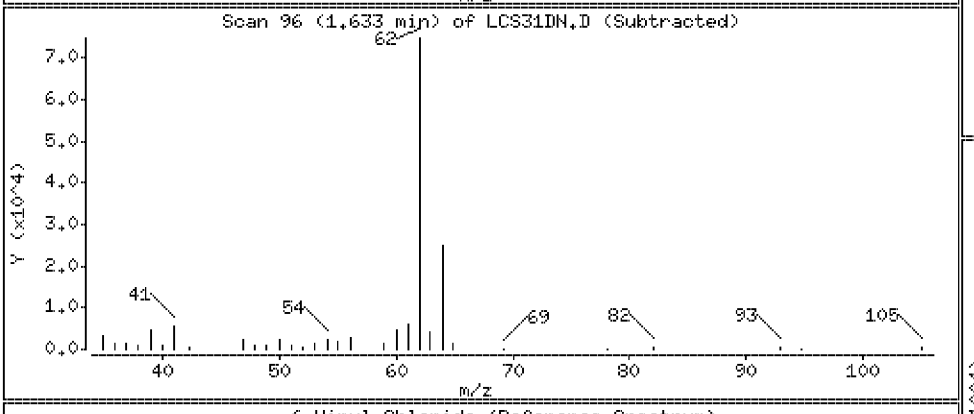
Column phase: RTX-502.2

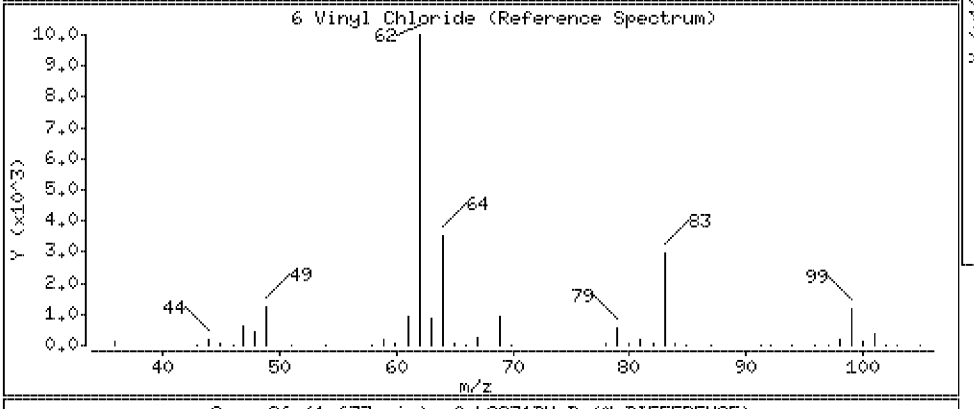
Column diameter: 0.18

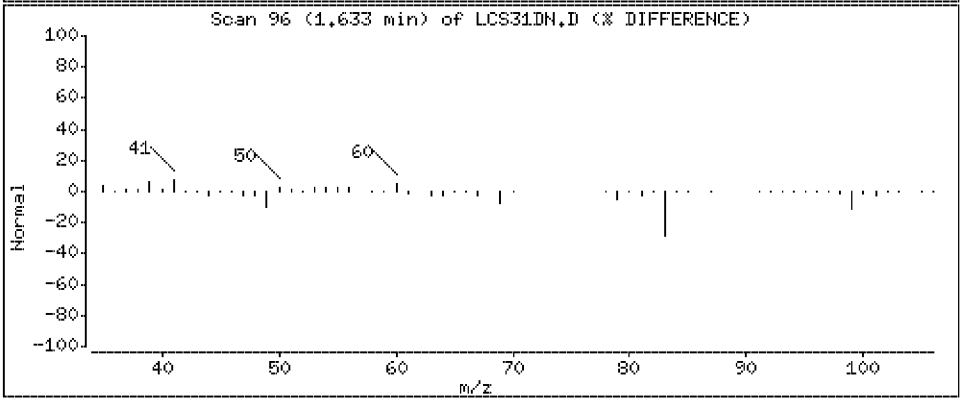
6 Vinyl Chloride

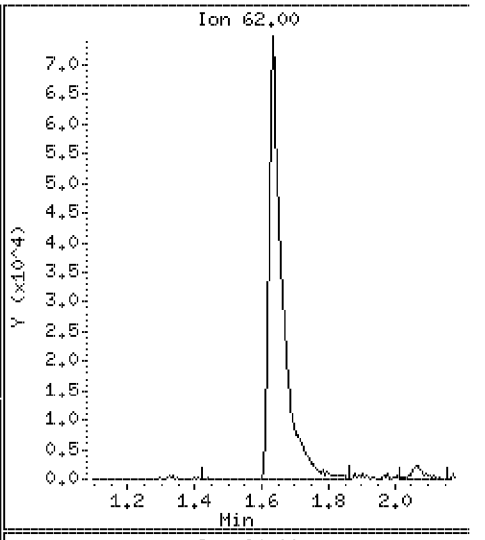
Concentration: 18.9 ug/l

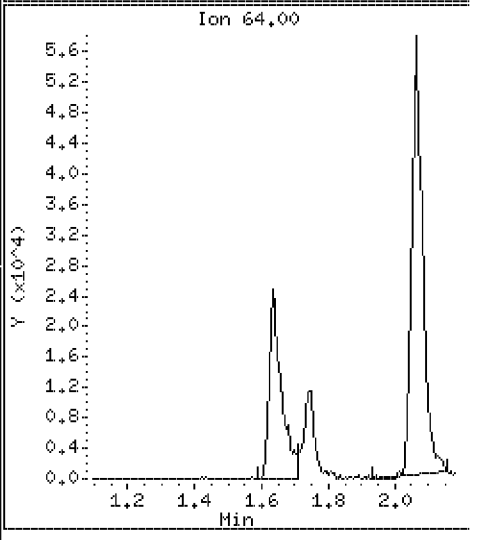












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

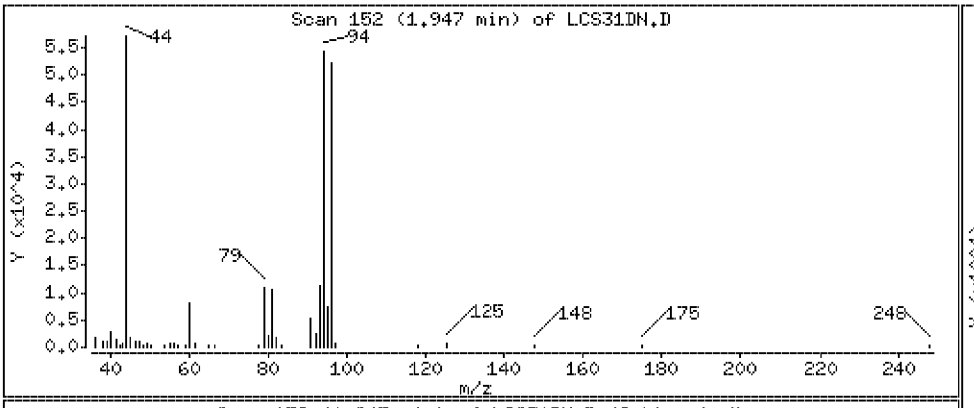
Operator:

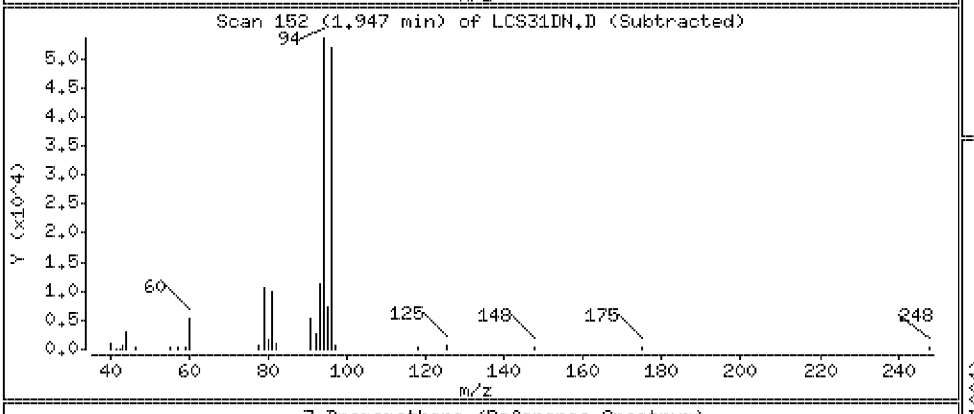
Column phase: RTX-502.2

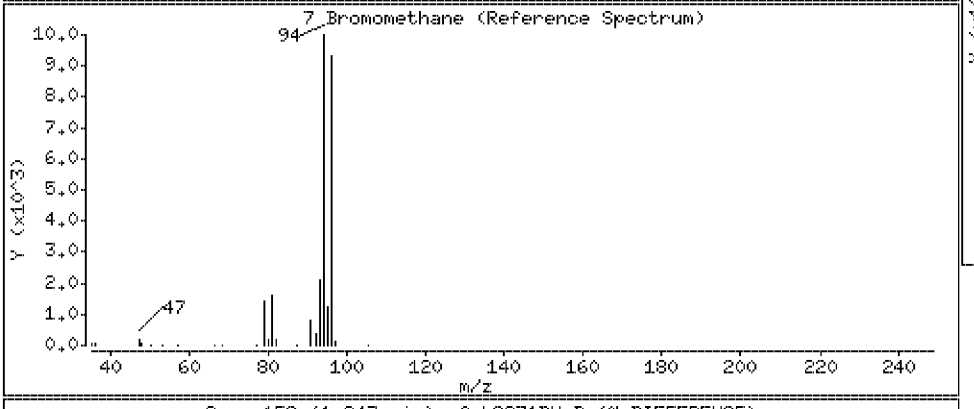
Column diameter: 0.18

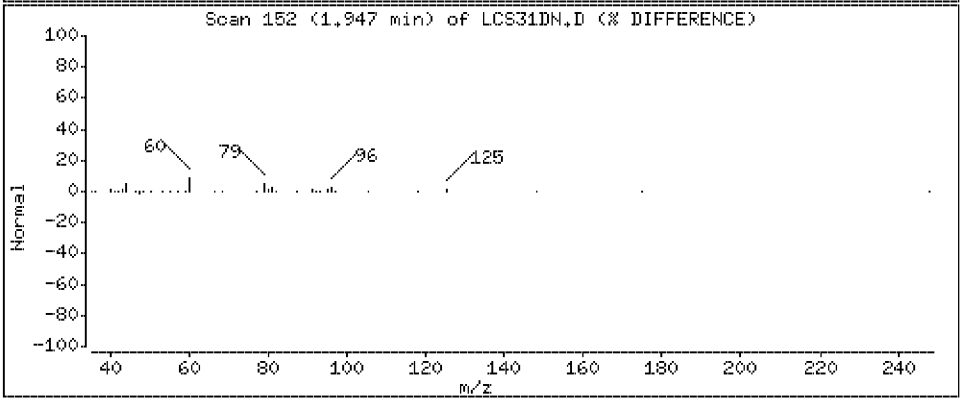
7 Bromomethane

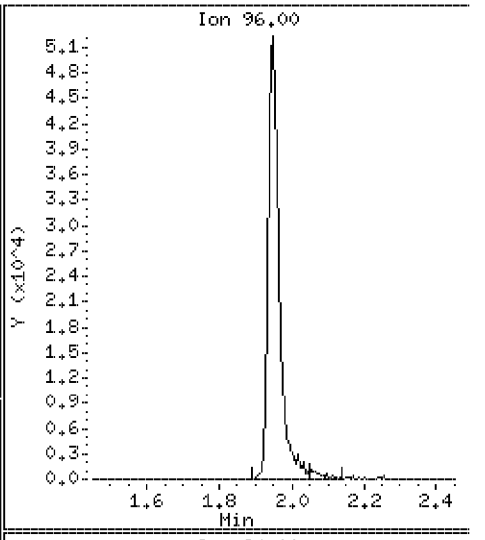
Concentration: 17.6 ug/l

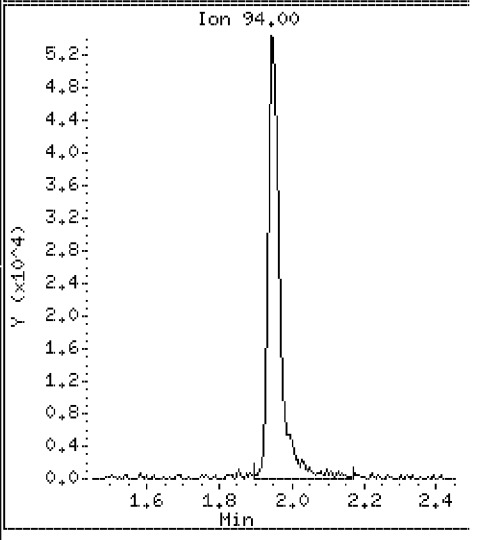












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

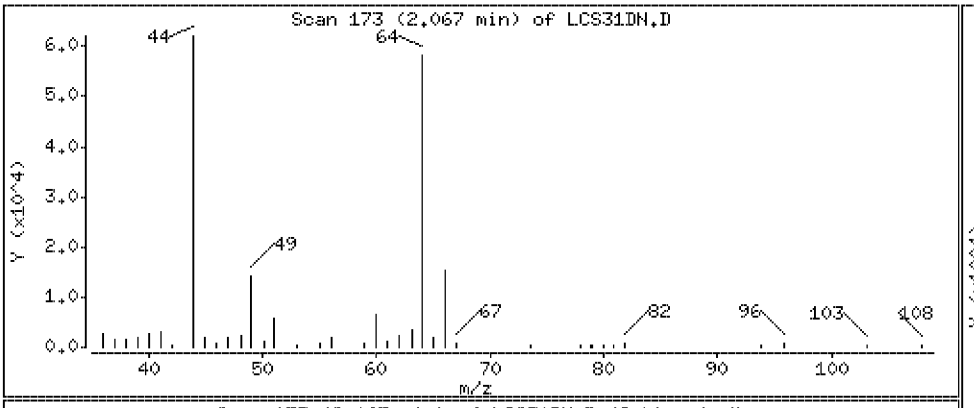
Operator:

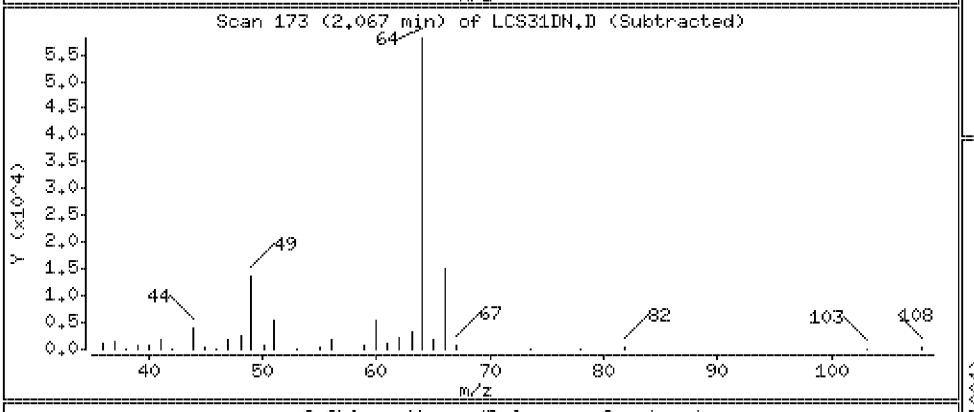
Column phase: RTX-502.2

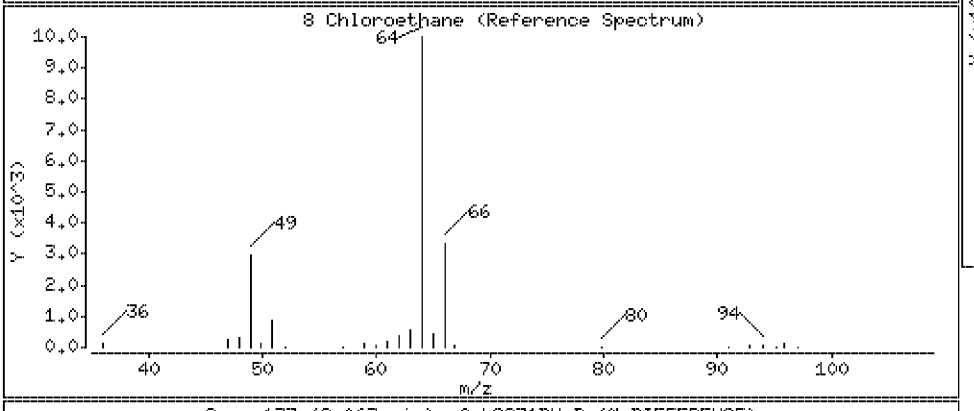
Column diameter: 0.18

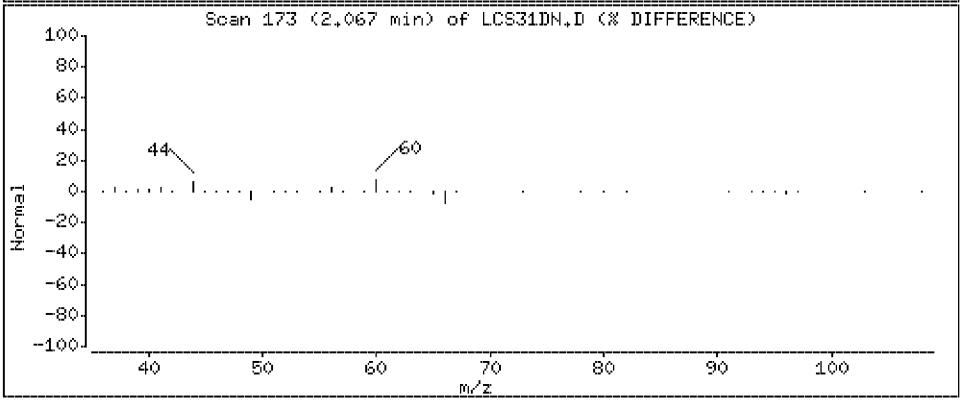
8 Chloroethane

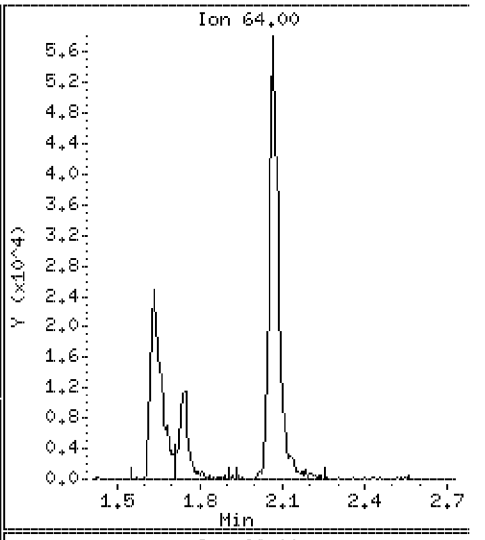
Concentration: 17.6 ug/l

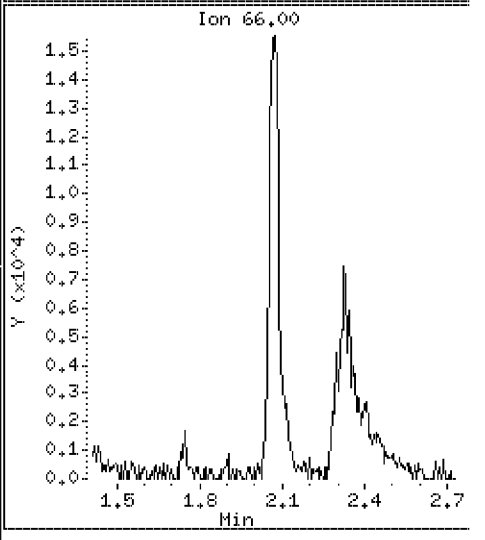












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

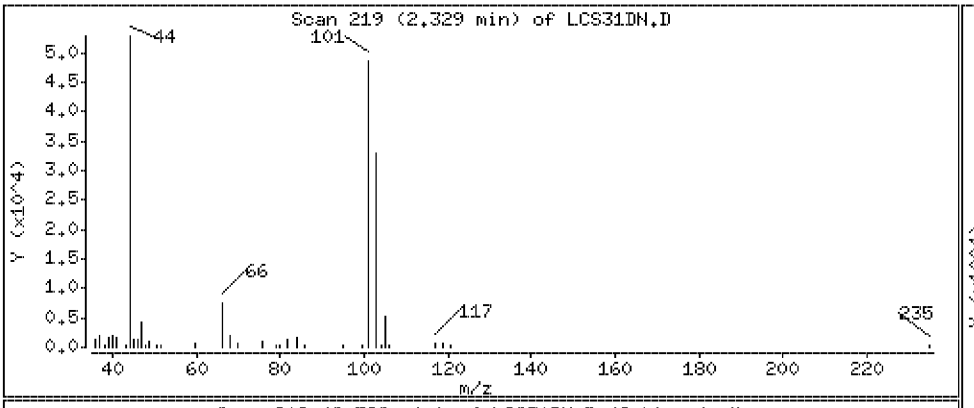
Operator:

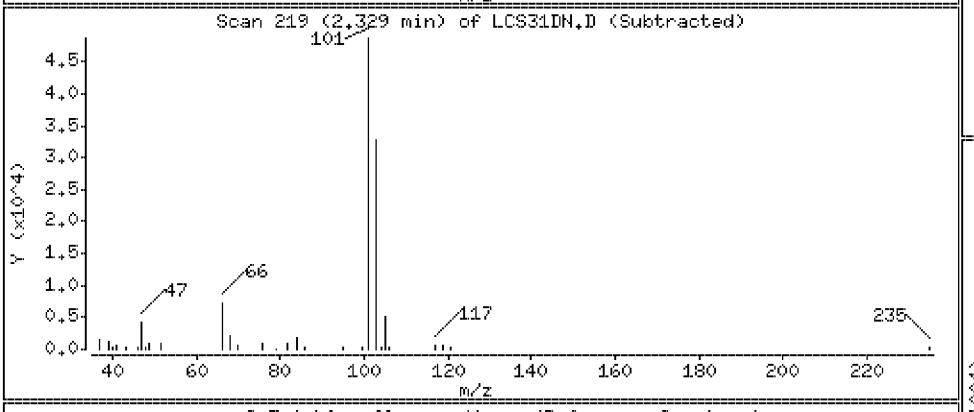
Column phase: RTX-502.2

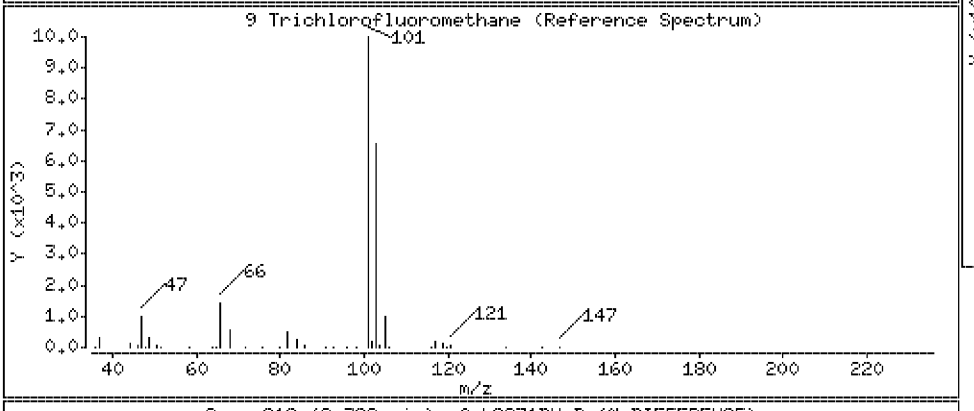
Column diameter: 0.18

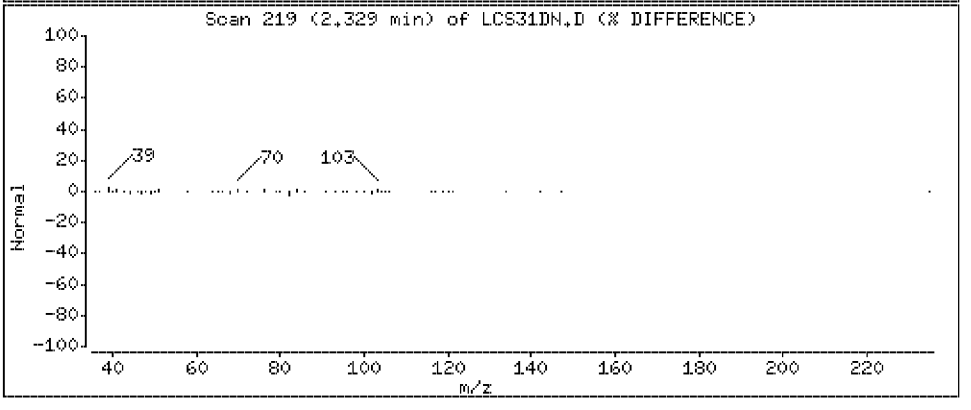
9 Trichlorofluoromethane

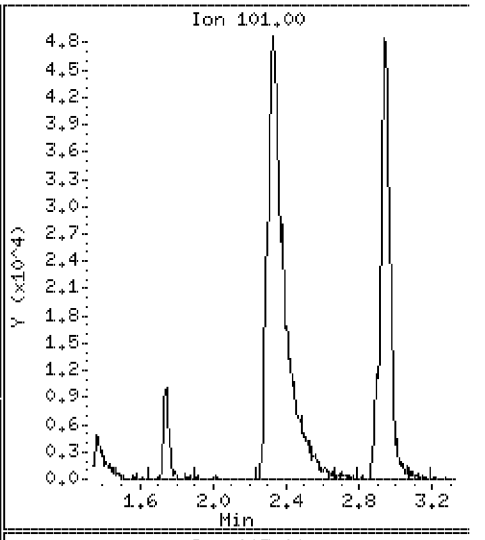
Concentration: 17.9 ug/l

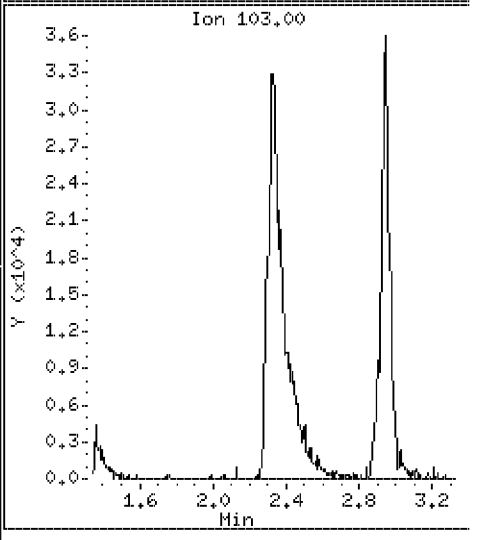












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

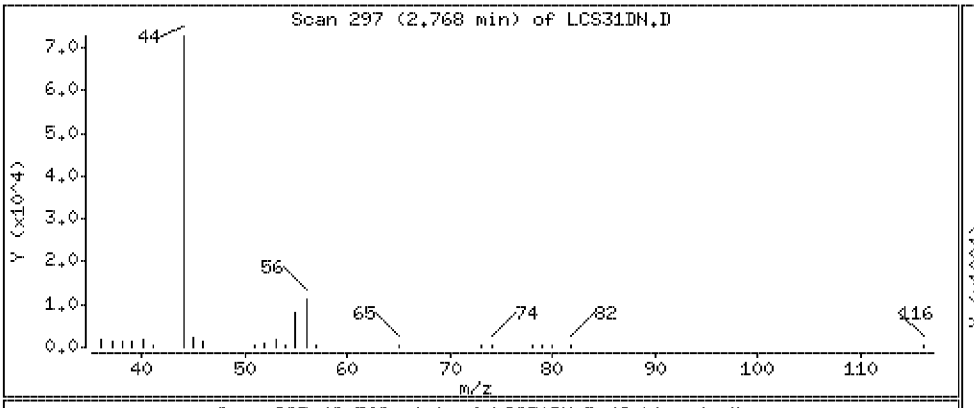
Operator:

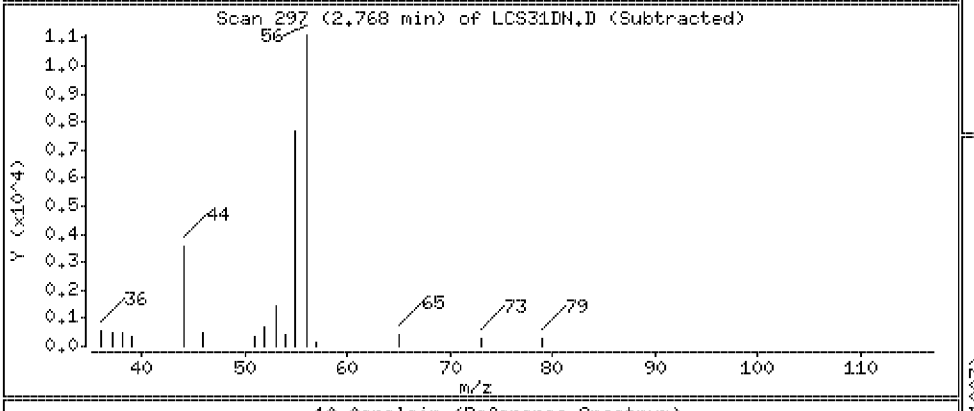
Column phase: RTX-502.2

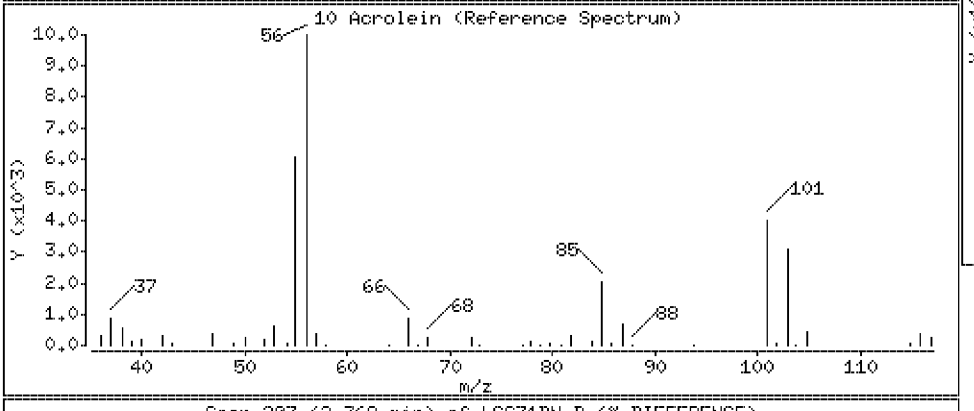
Column diameter: 0.18

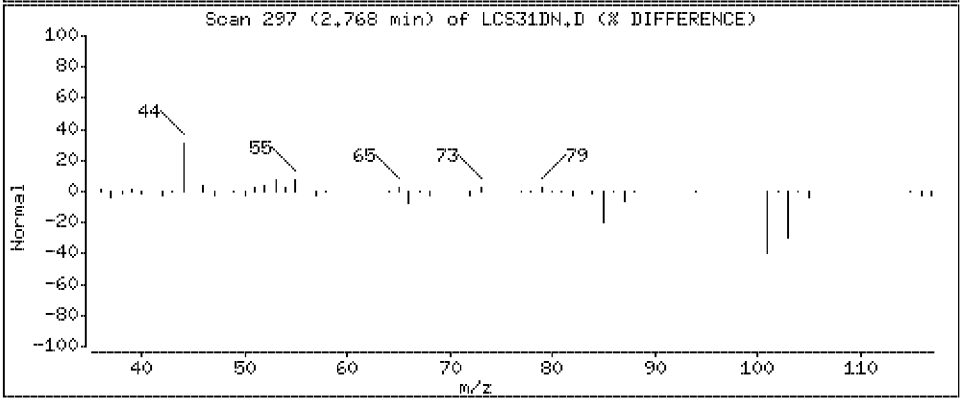
10 Acrolein

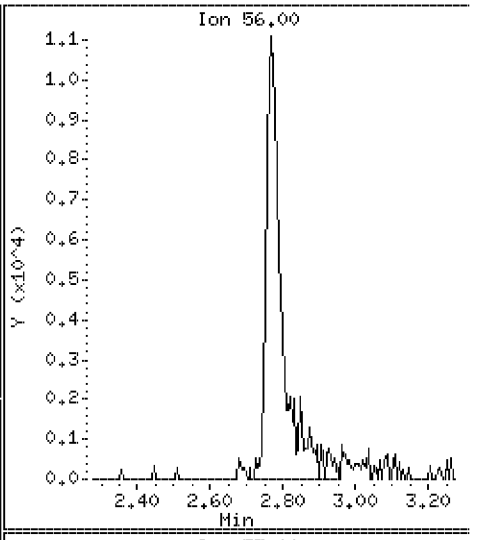
Concentration: 34.8 ug/l

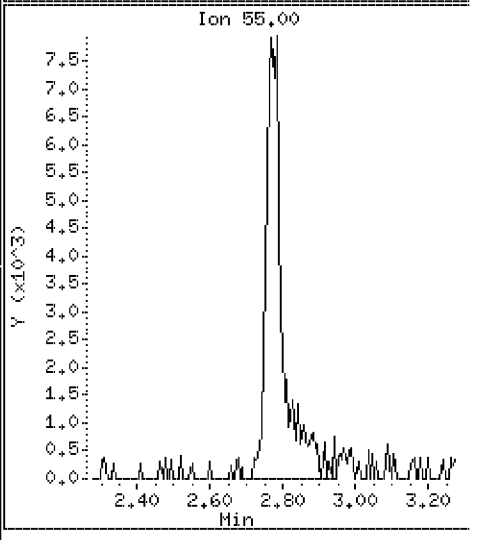












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

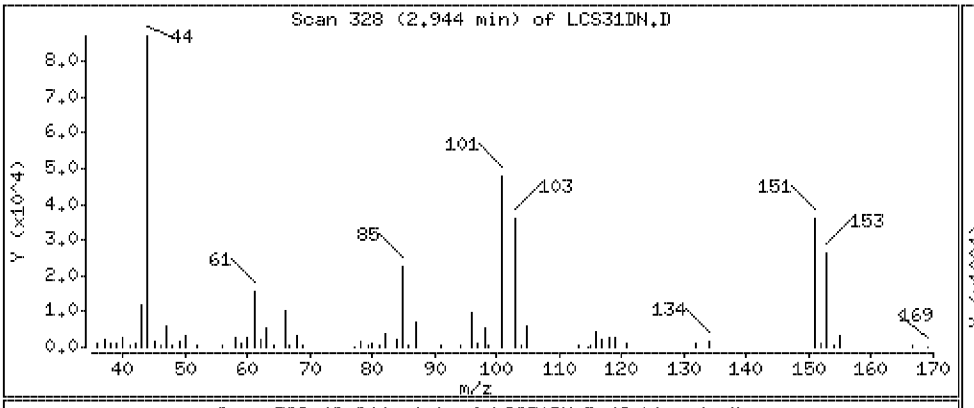
Operator:

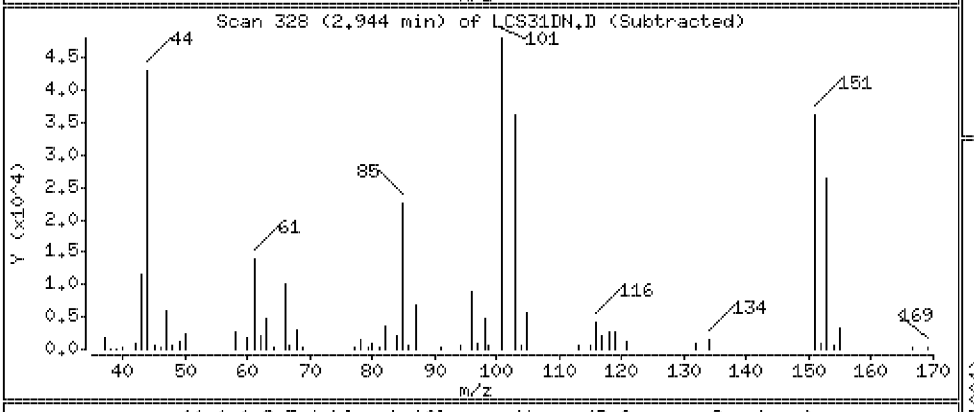
Column phase: RTX-502.2

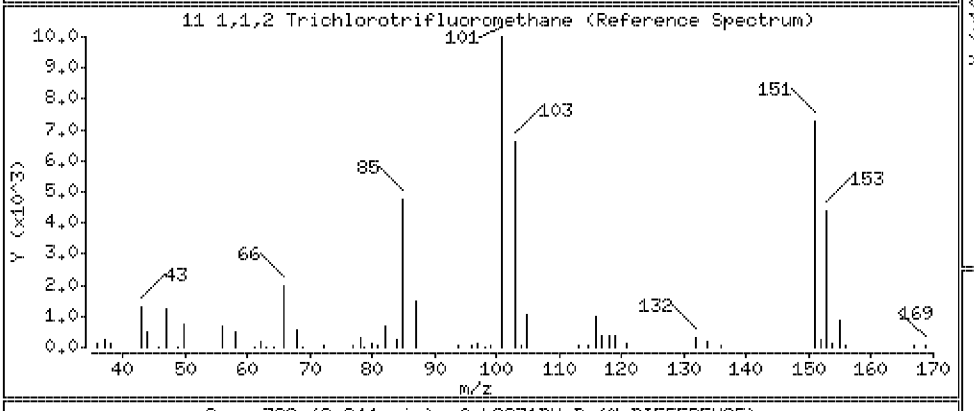
Column diameter: 0.18

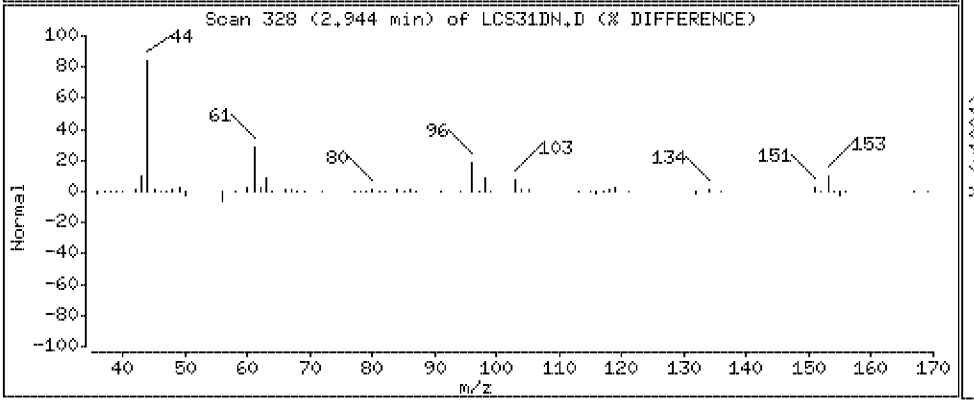
11 1,1,2 Trichlorotrifluoromethane

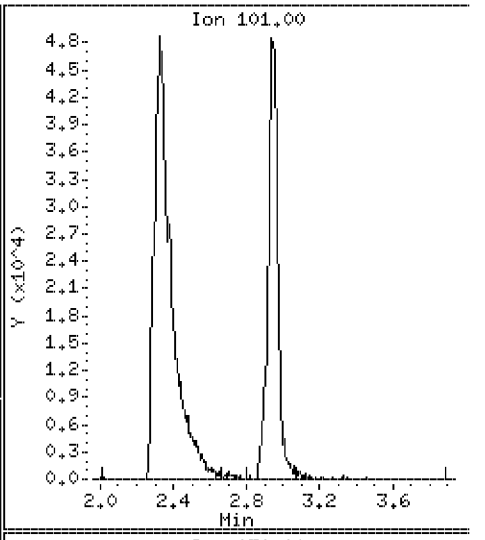
Concentration: 18.9 ug/l

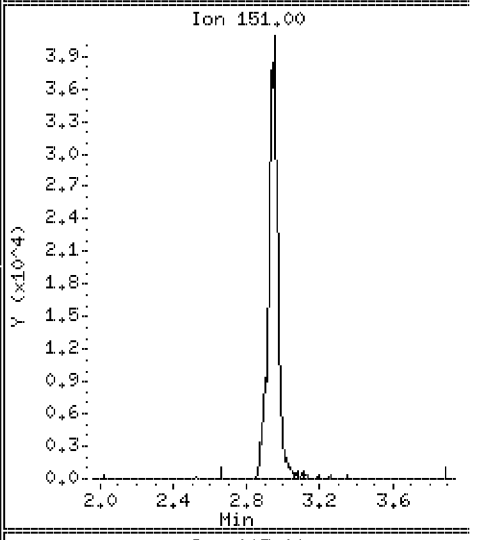


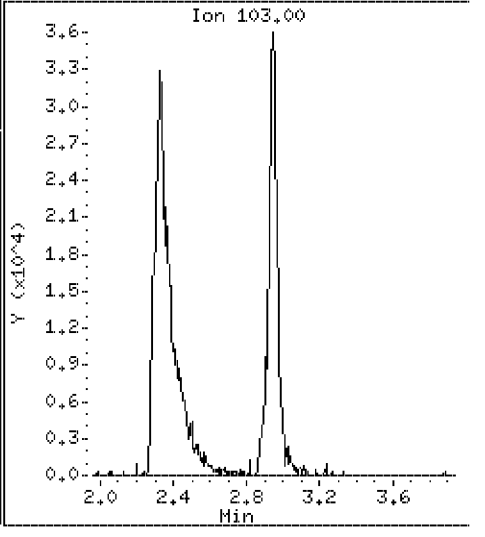












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

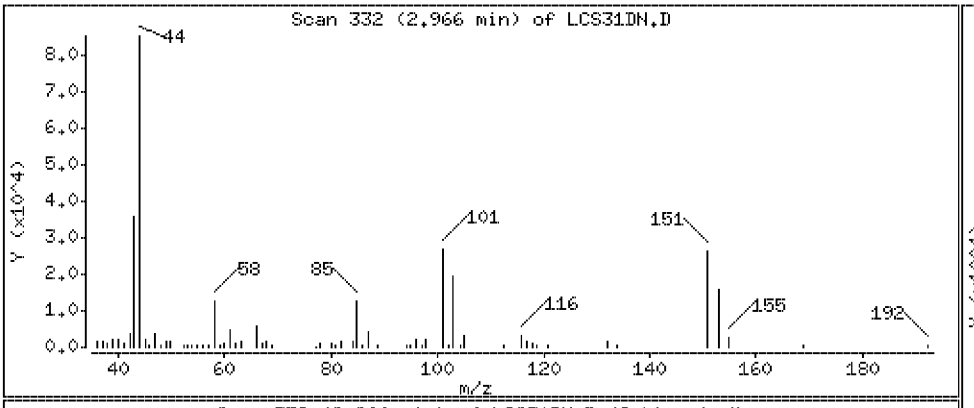
Operator:

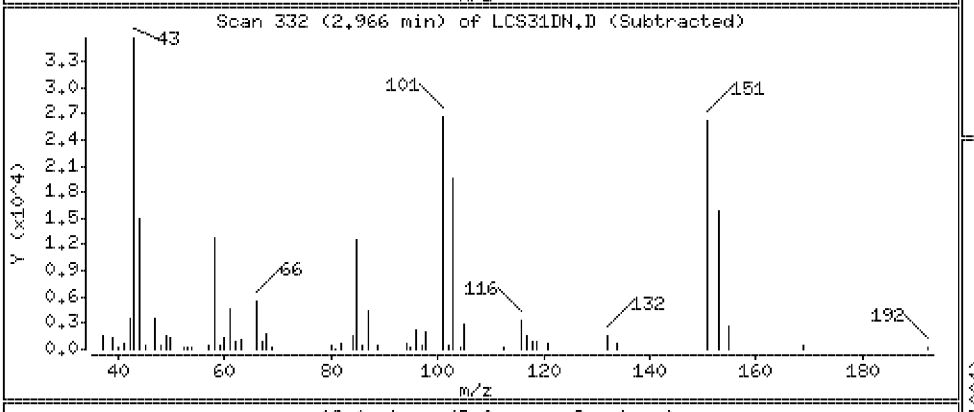
Column phase: RTX-502.2

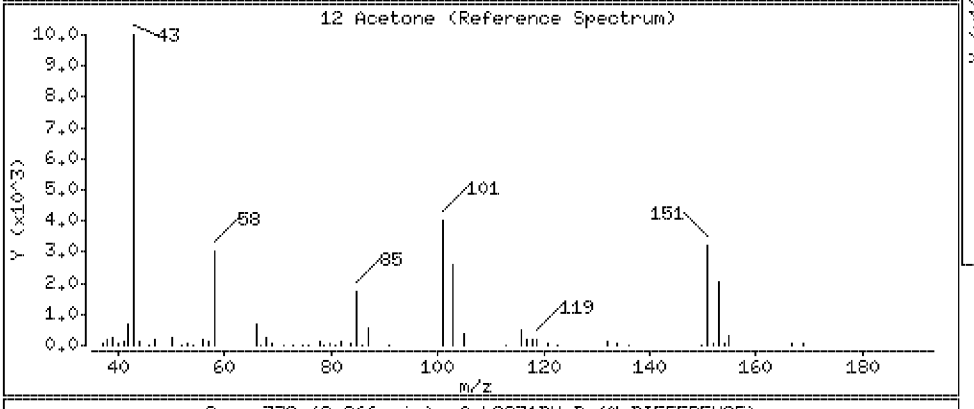
Column diameter: 0.18

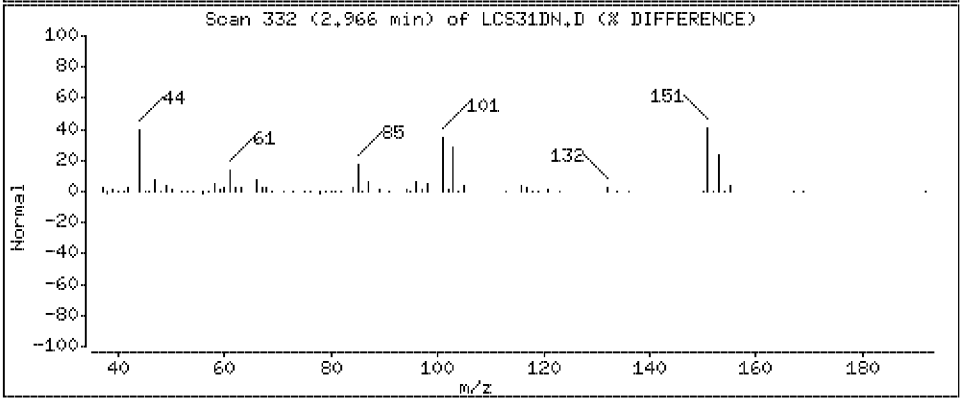
12 Acetone

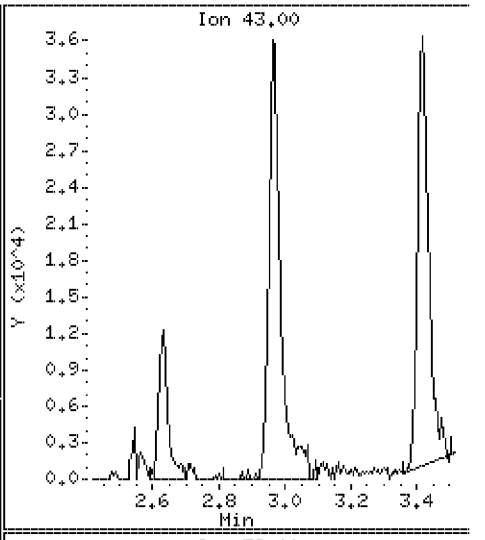
Concentration: 41.5 ug/l

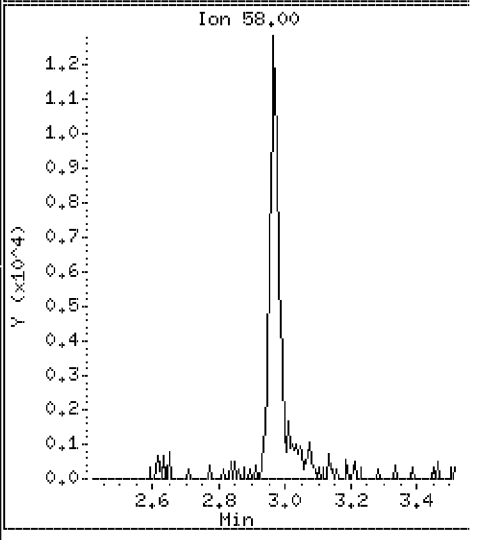












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

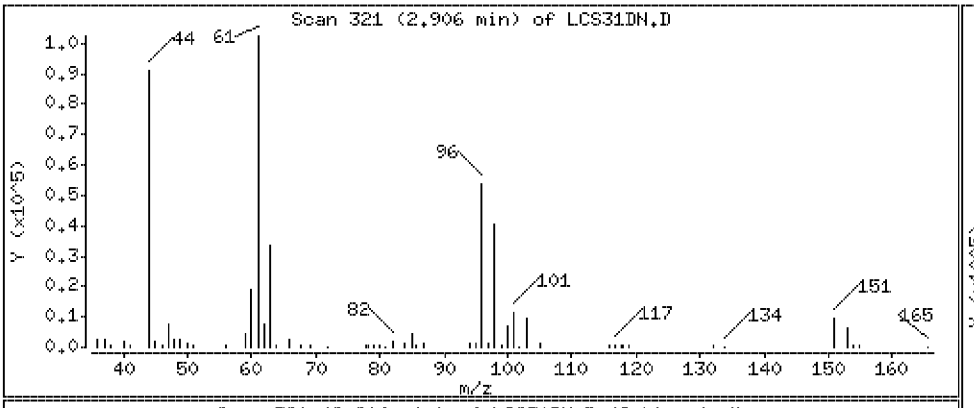
Operator:

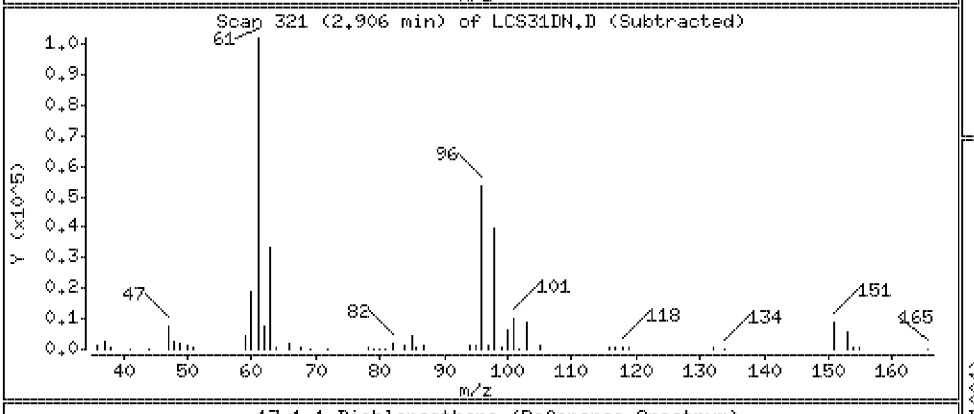
Column phase: RTX-502.2

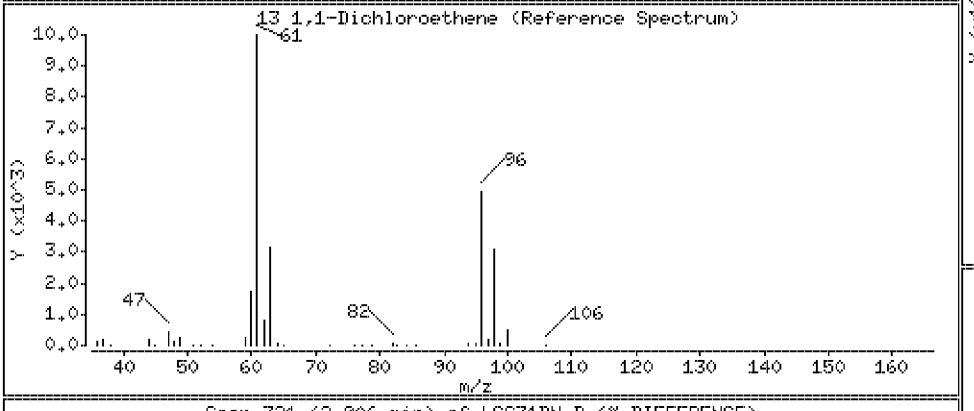
Column diameter: 0.18

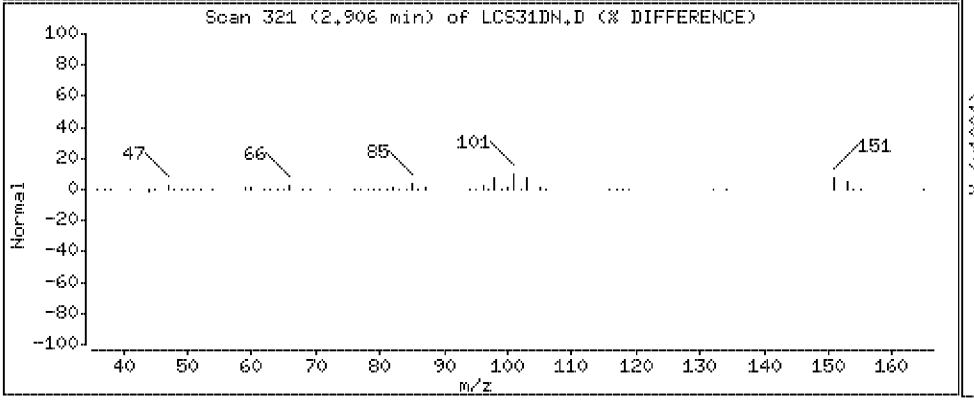
13 1,1-Dichloroethene

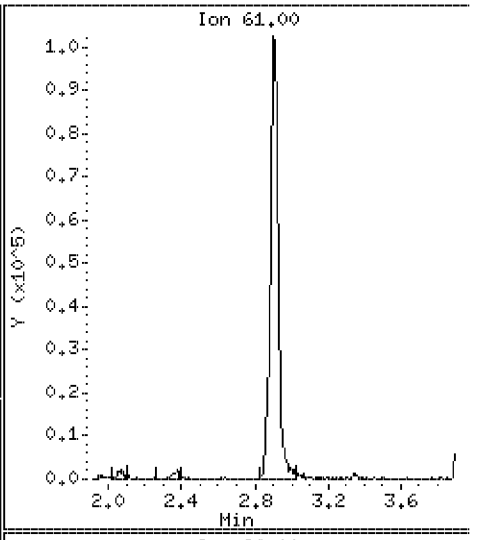
Concentration: 19.2 ug/l

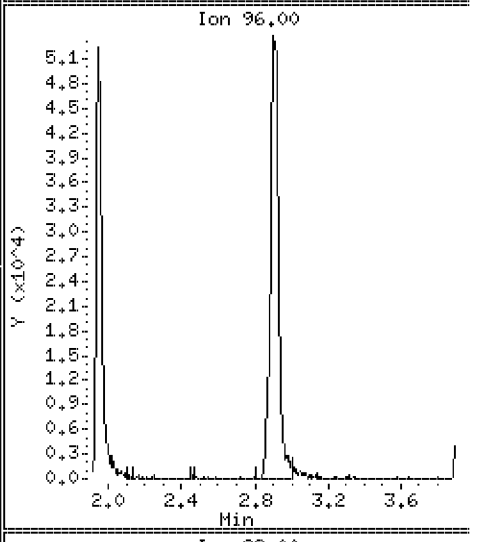


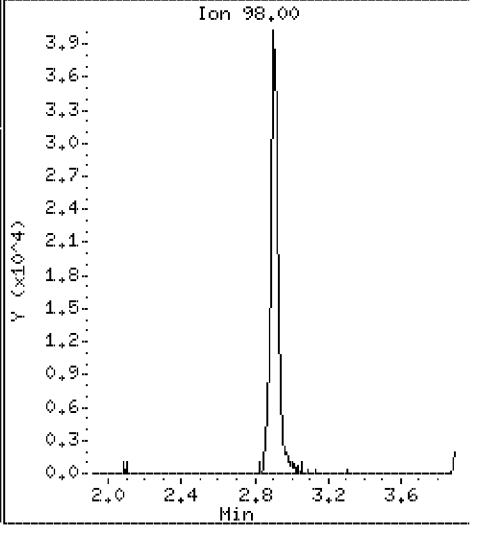












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

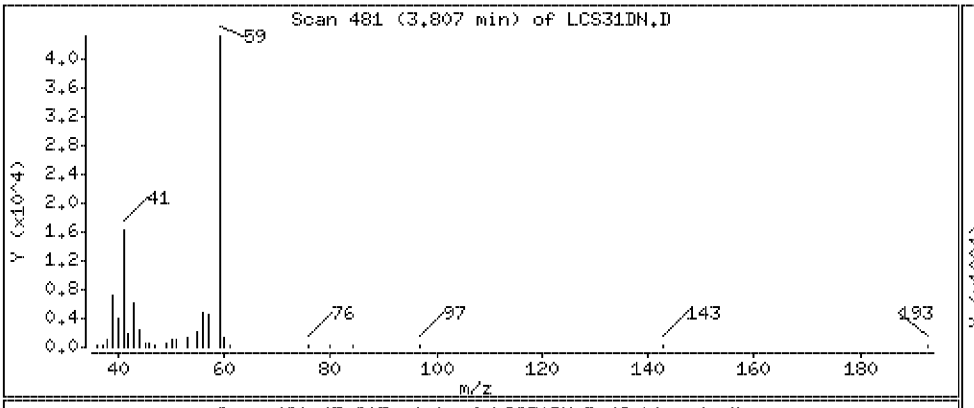
Operator:

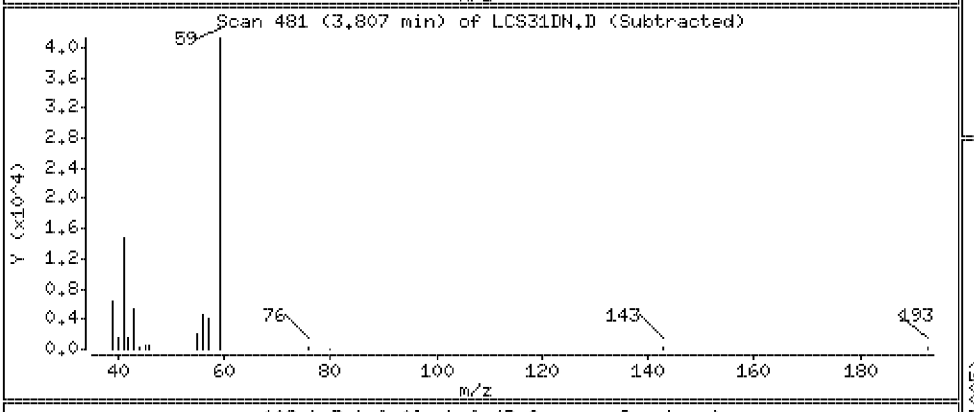
Column phase: RTX-502.2

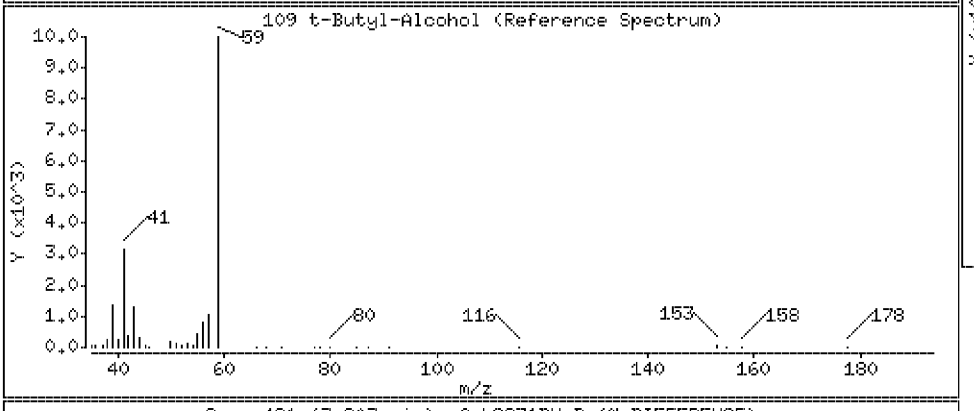
Column diameter: 0.18

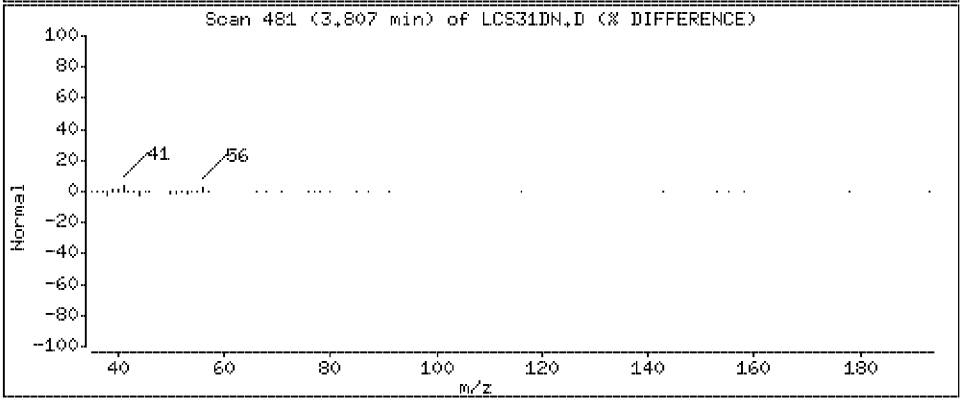
109 t-Butyl-Alcohol

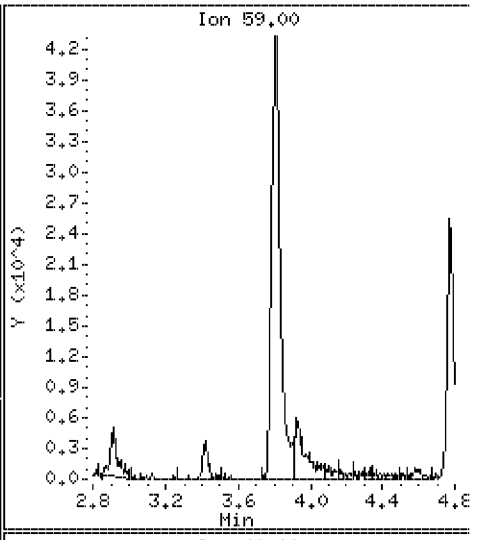
Concentration: 199 ug/l

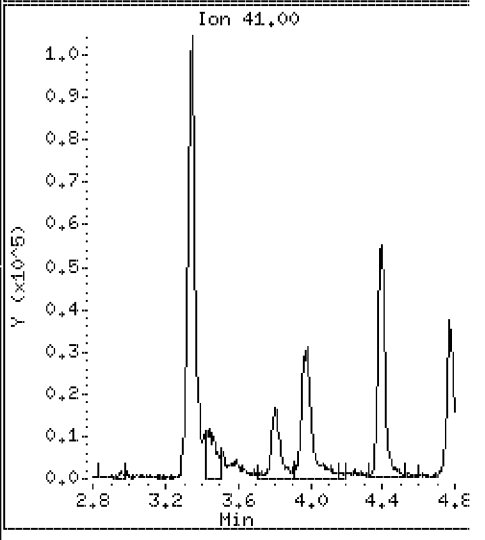












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

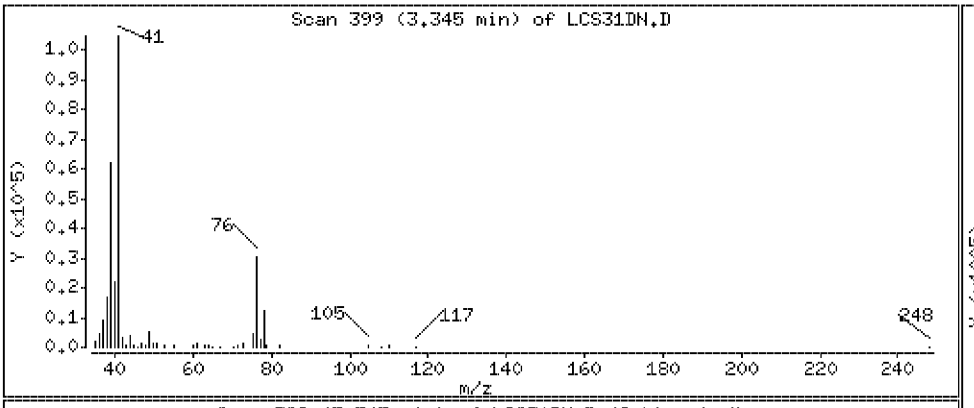
Operator:

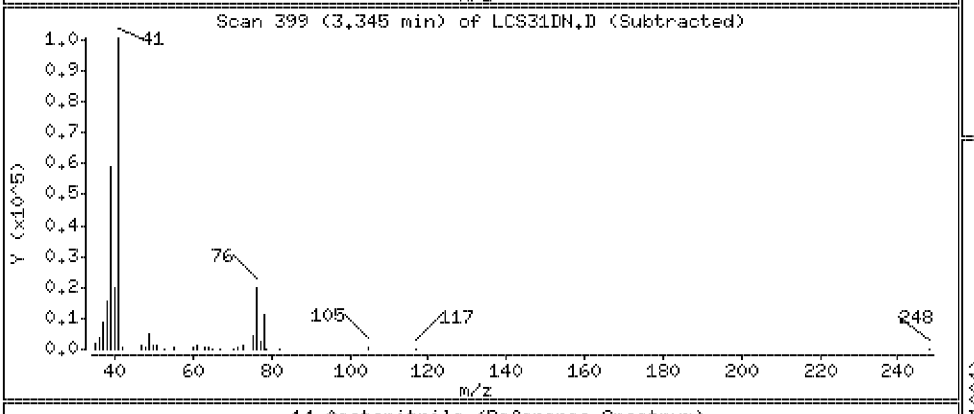
Column phase: RTX-502.2

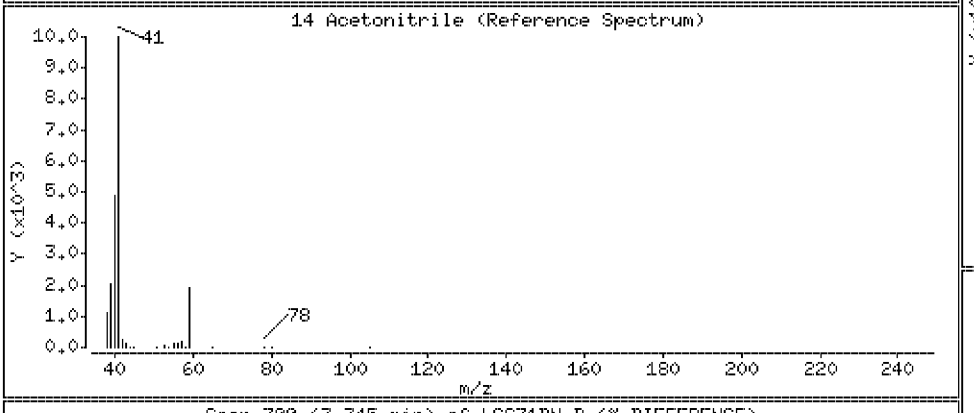
Column diameter: 0.18

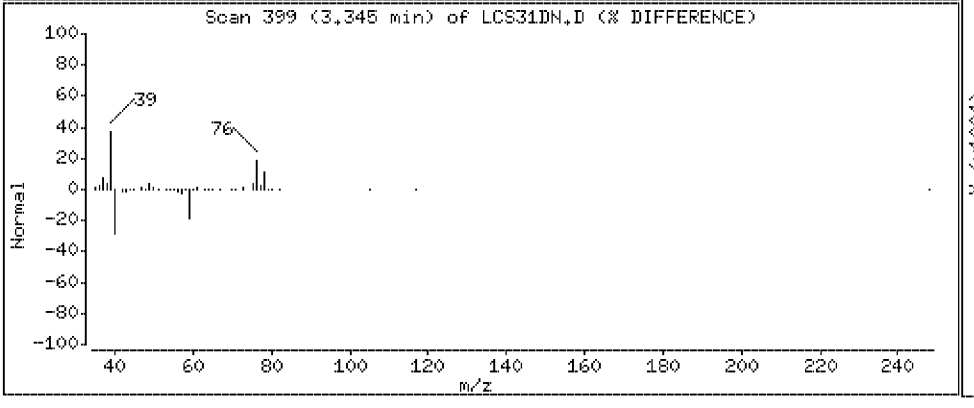
14 Acetonitrile

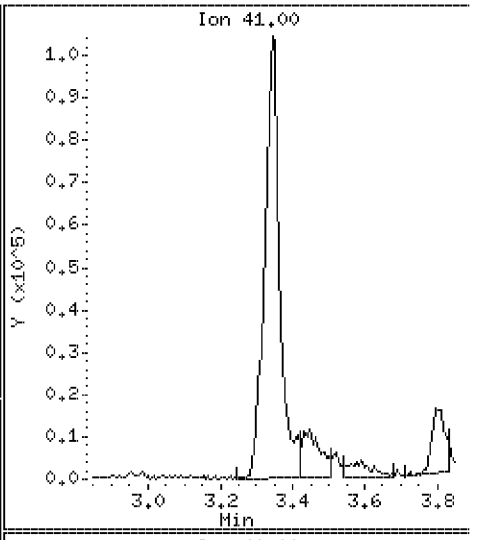
Concentration: 144 ug/l

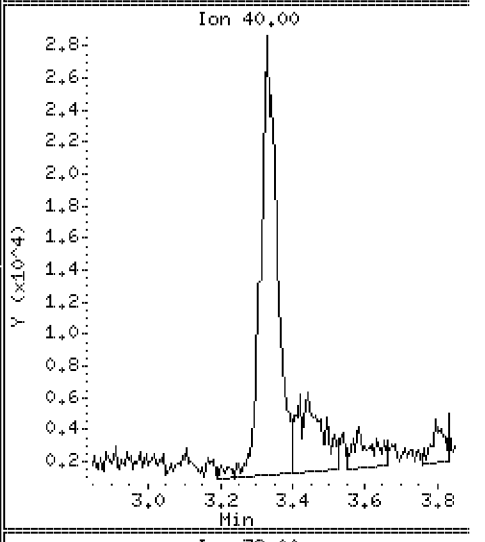


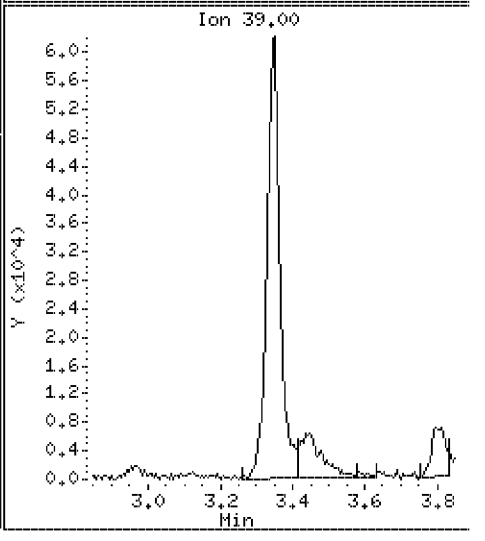












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

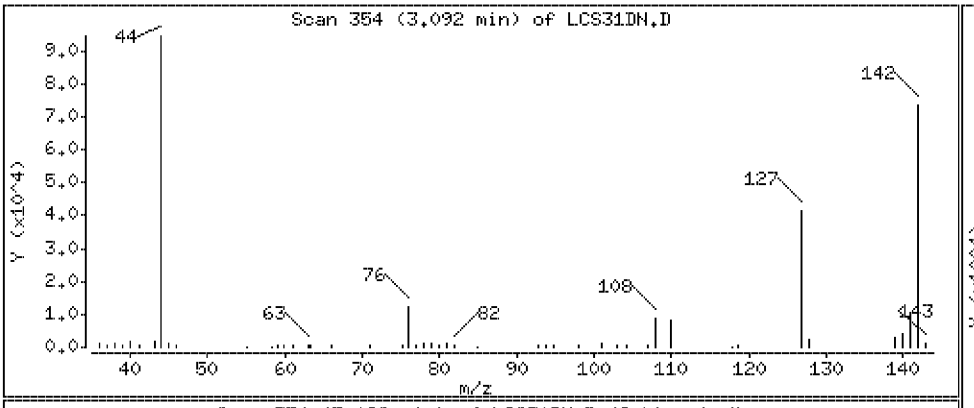
Operator:

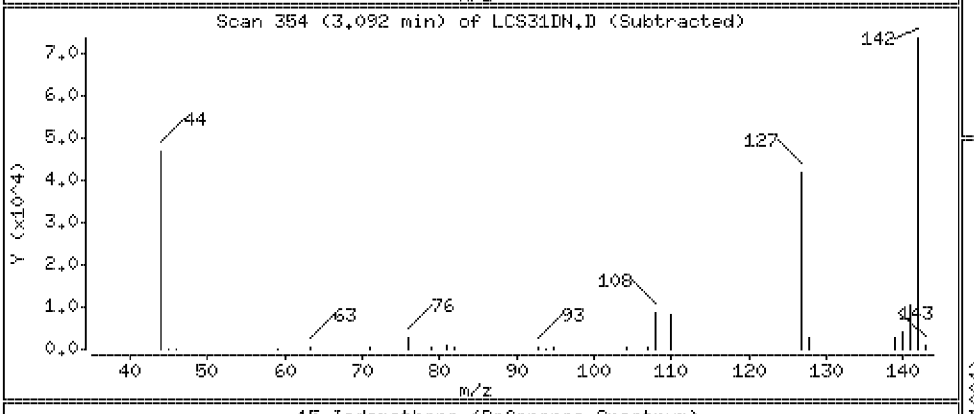
Column phase: RTX-502.2

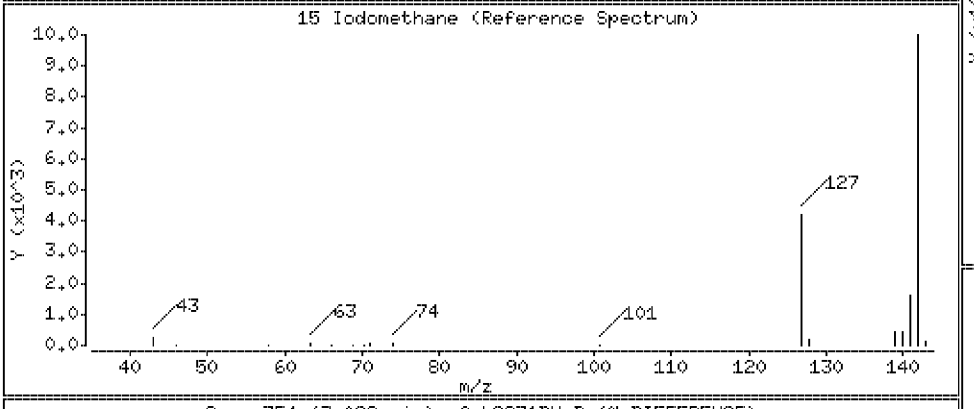
Column diameter: 0.18

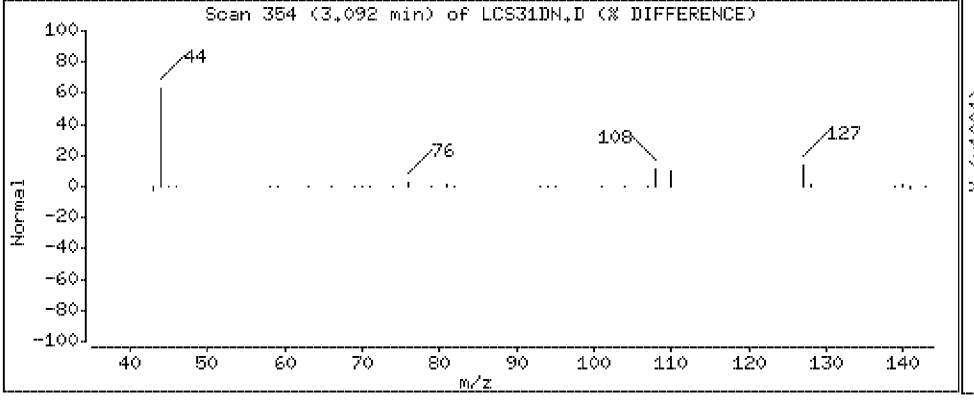
15 Iodomethane

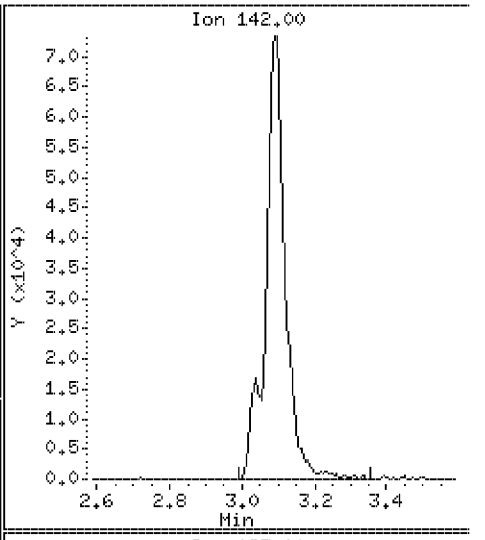
Concentration: 18.9 ug/l

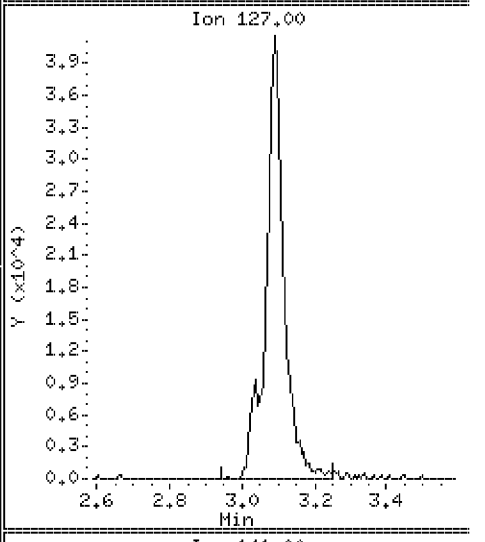


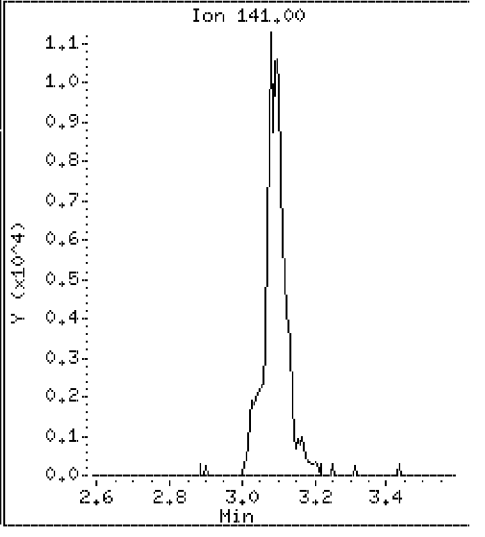












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

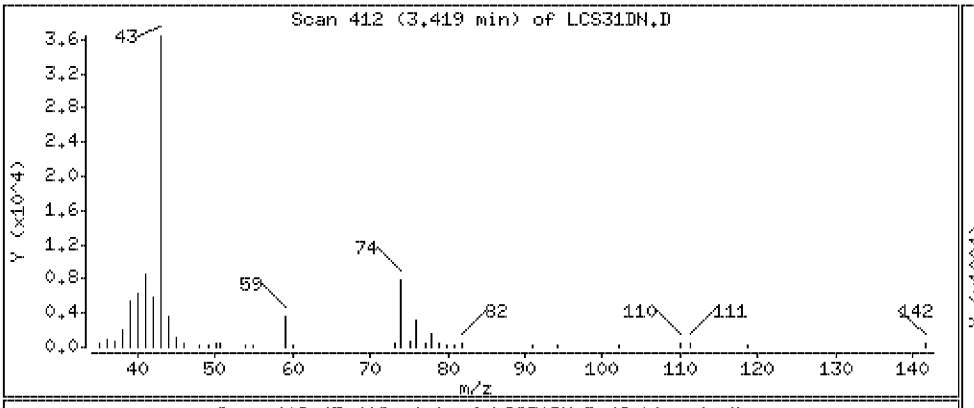
Operator:

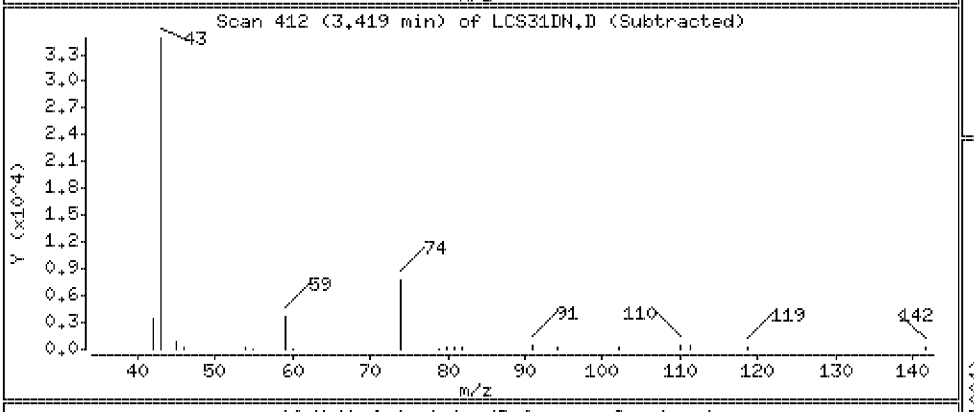
Column phase: RTX-502.2

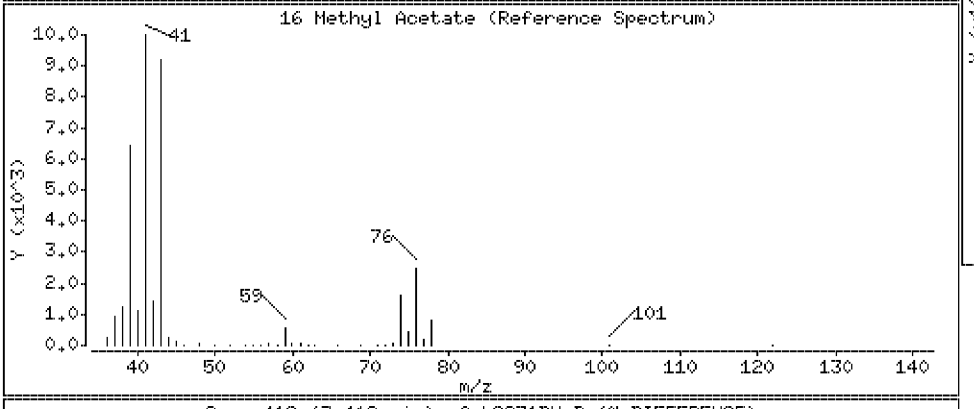
Column diameter: 0.18

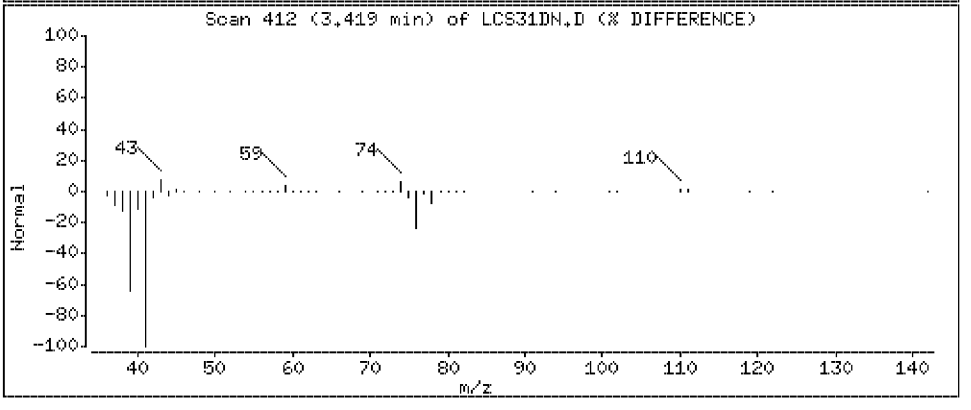
16 Methyl Acetate

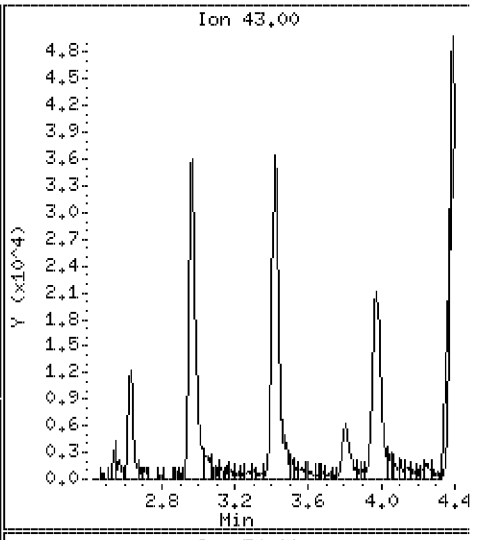
Concentration: 15.2 ug/l

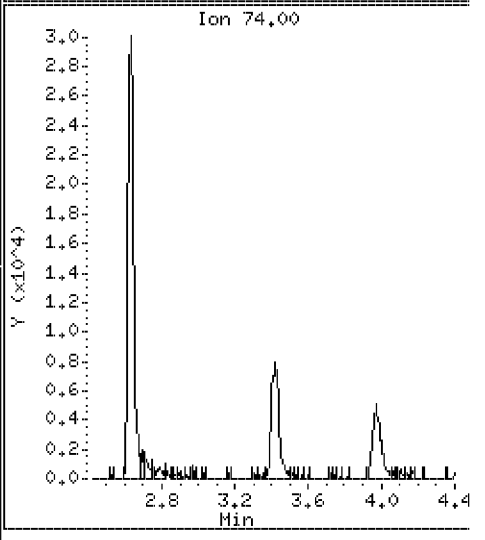












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

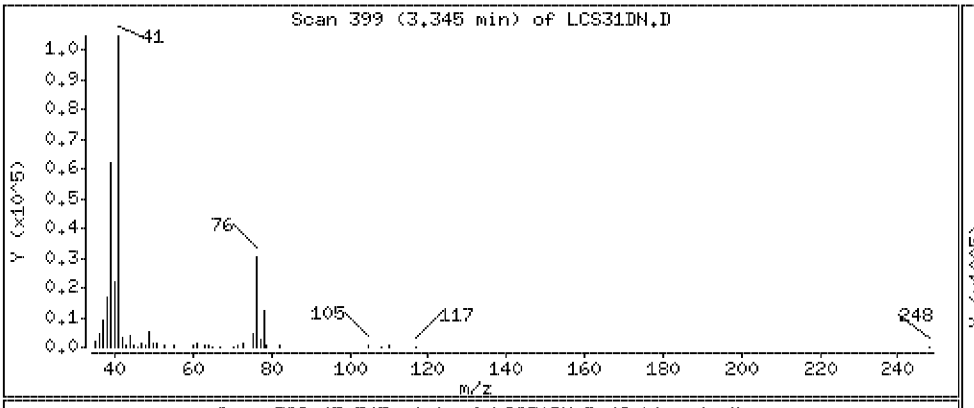
Operator:

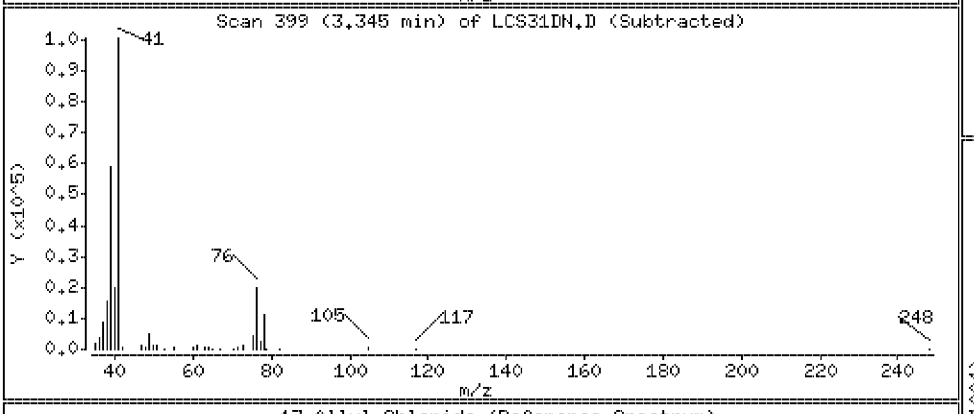
Column phase: RTX-502.2

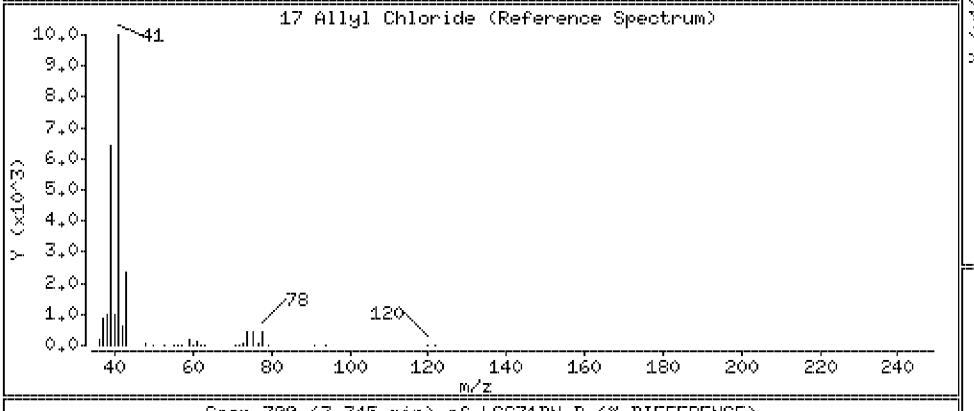
Column diameter: 0.18

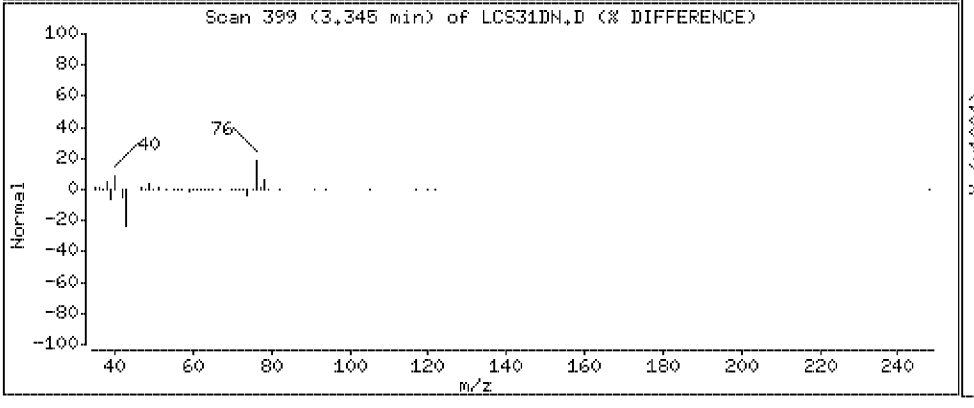
17 Allyl Chloride

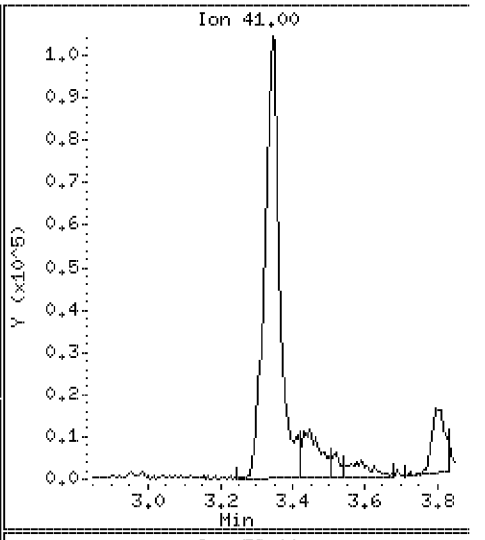
Concentration: 14.7 ug/l

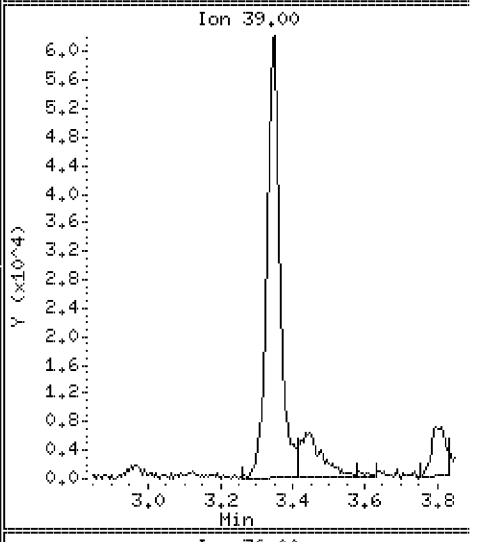


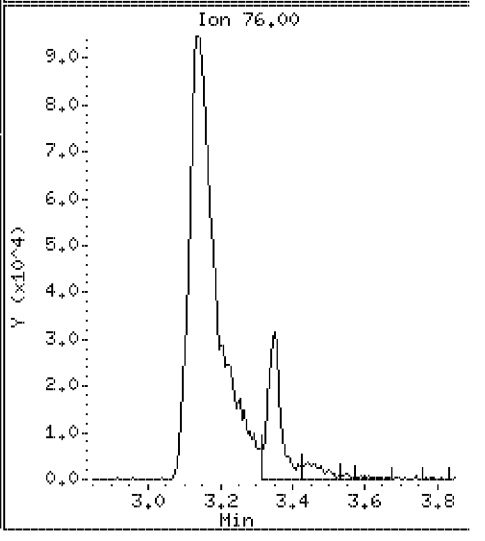












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

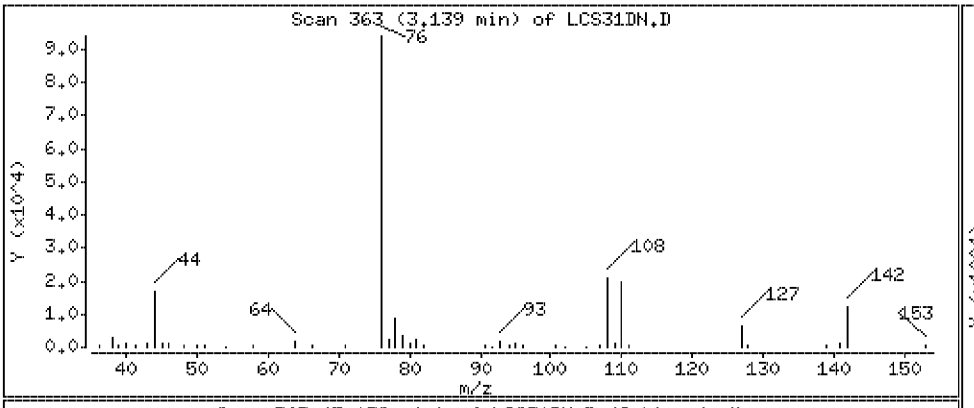
Operator:

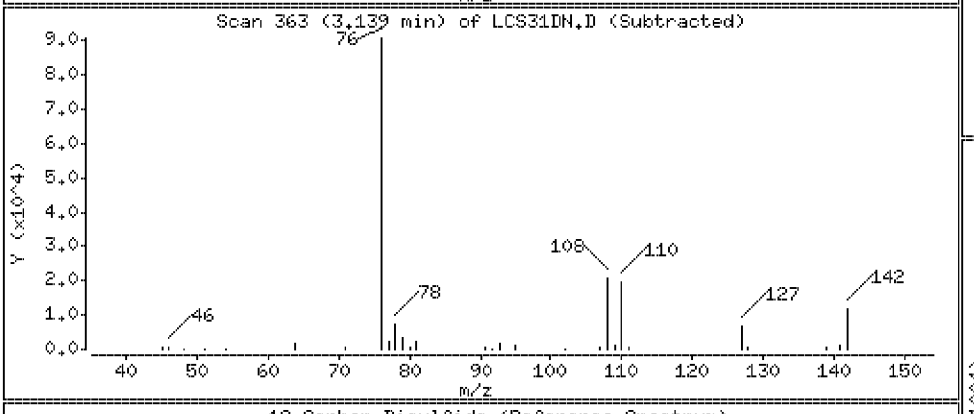
Column phase: RTX-502.2

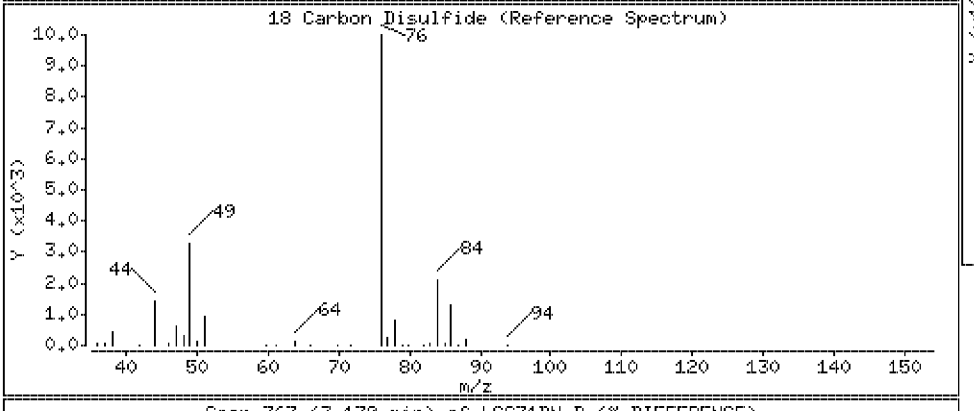
Column diameter: 0.18

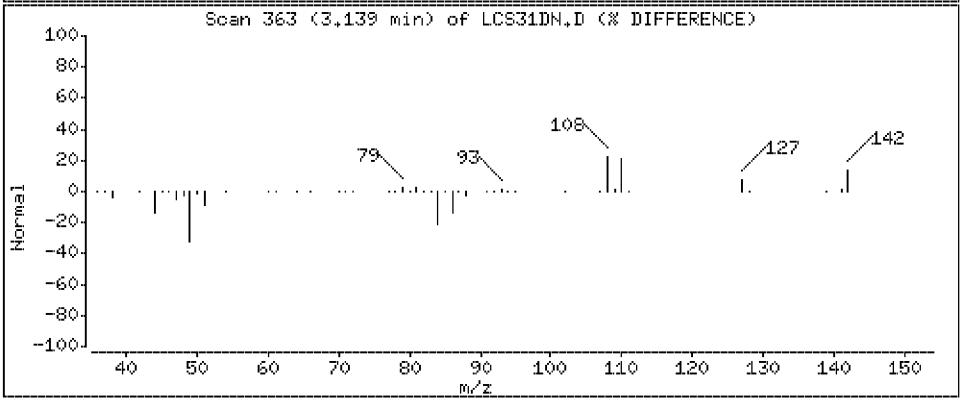
18 Carbon Disulfide

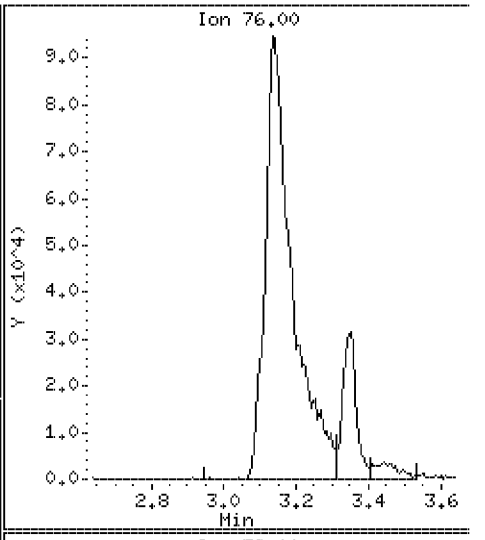
Concentration: 18.4 ug/l

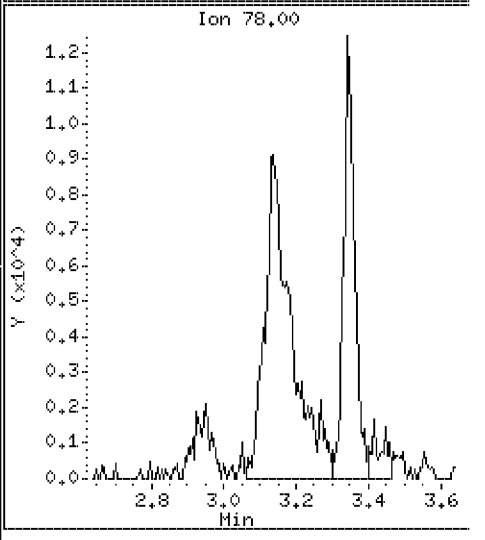












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

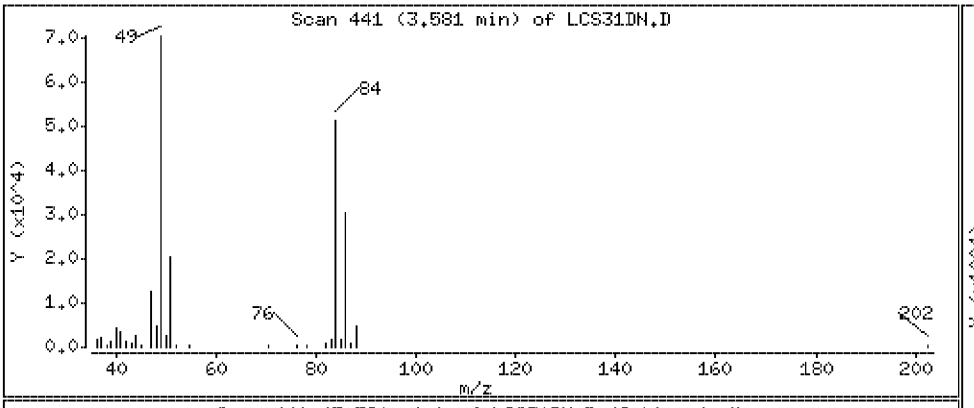
Operator:

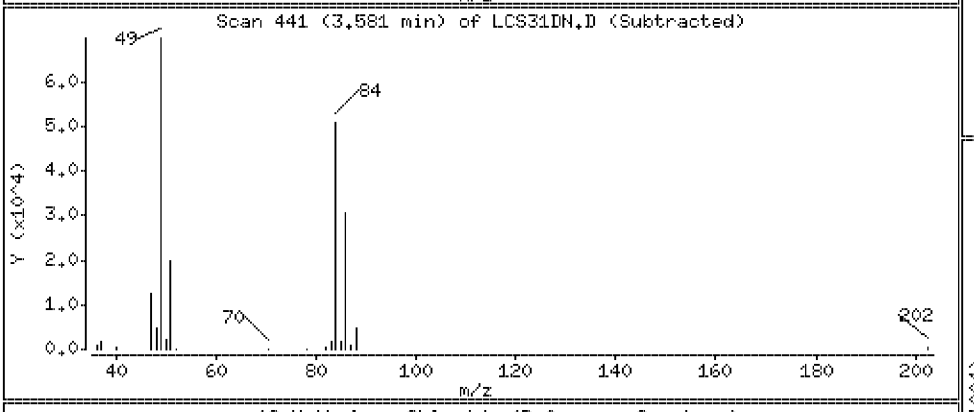
Column phase: RTX-502.2

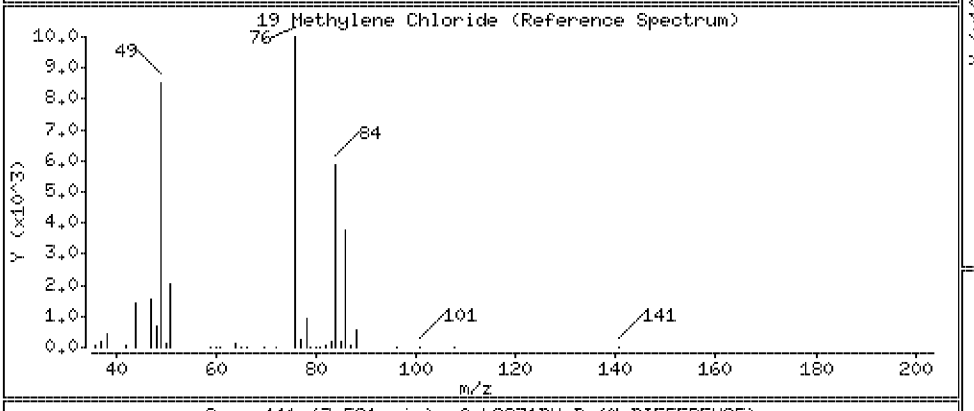
Column diameter: 0.18

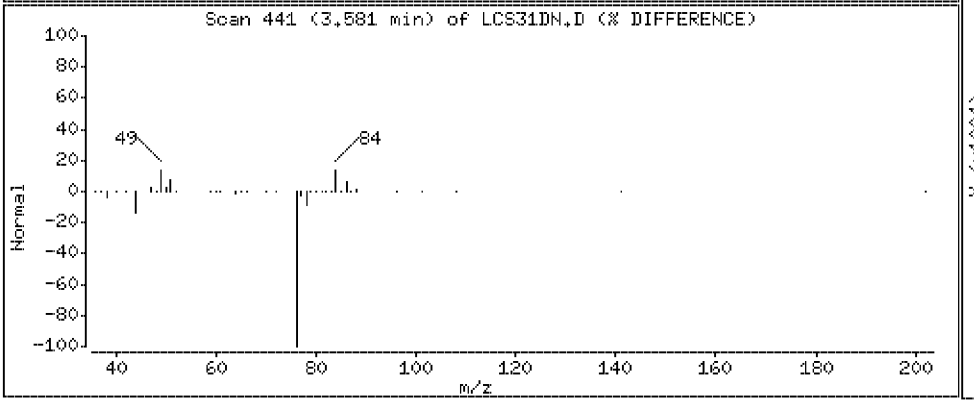
19 Methylene Chloride

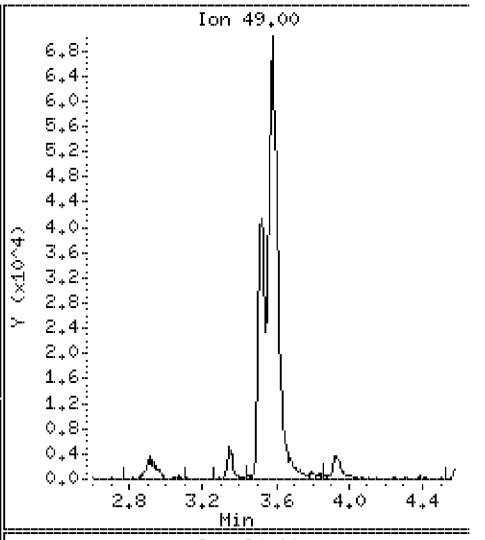
Concentration: 20.5 ug/l

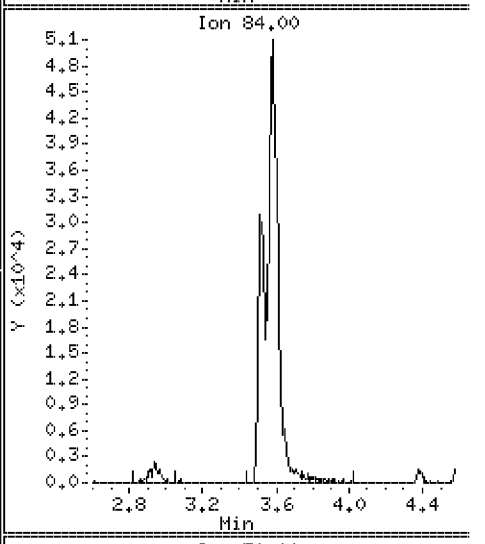


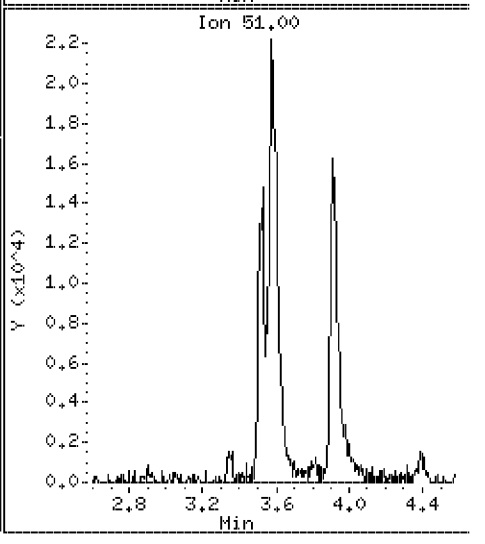












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

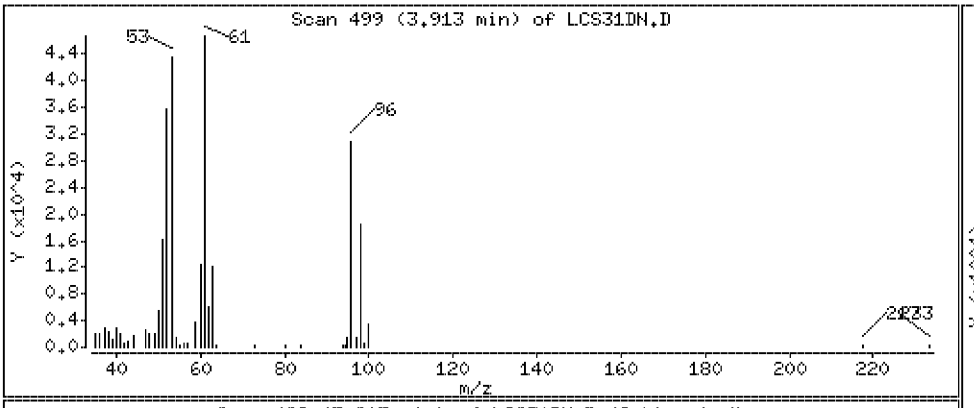
Operator:

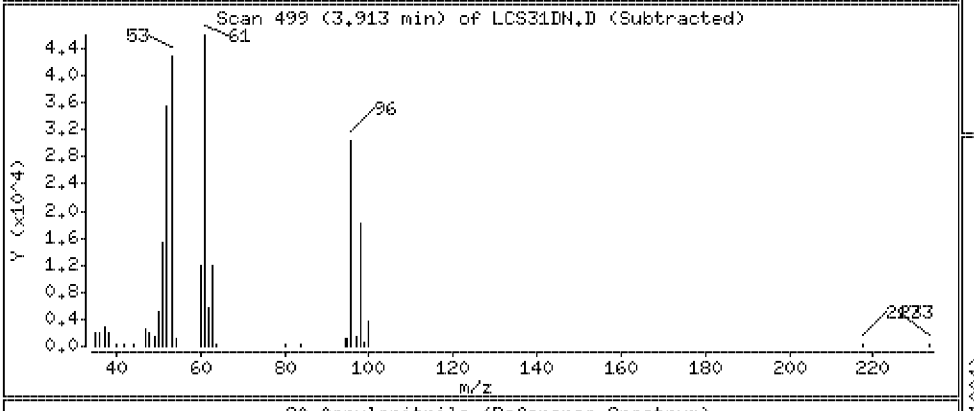
Column phase: RTX-502.2

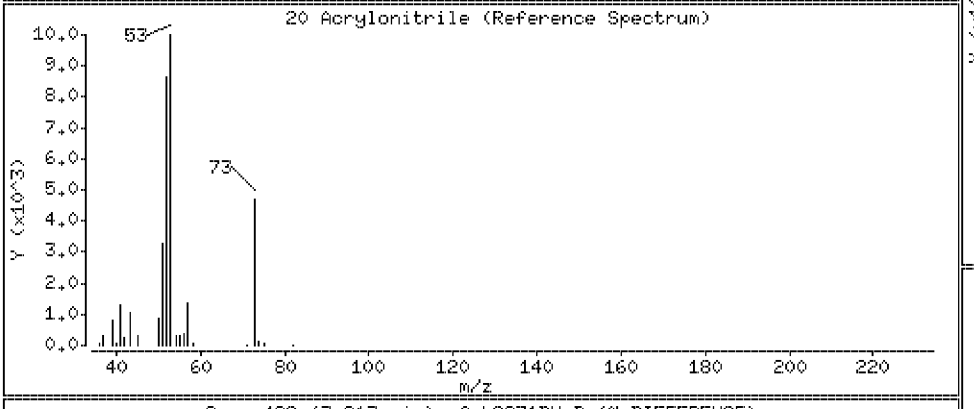
Column diameter: 0.18

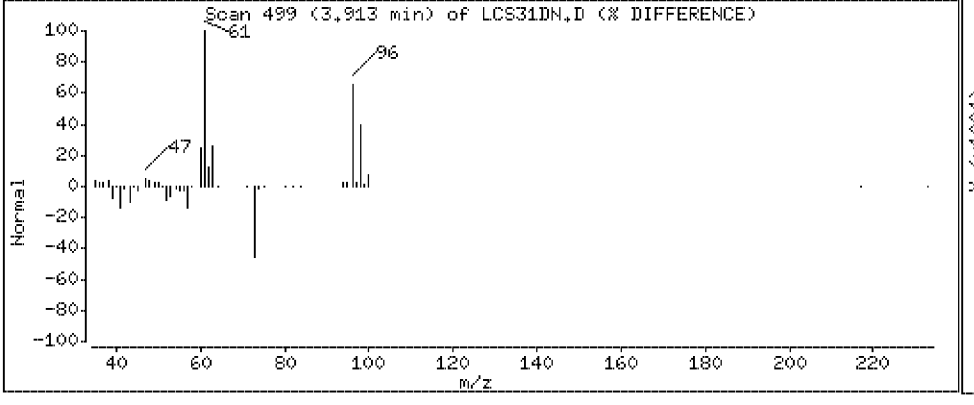
20 Acrylonitrile

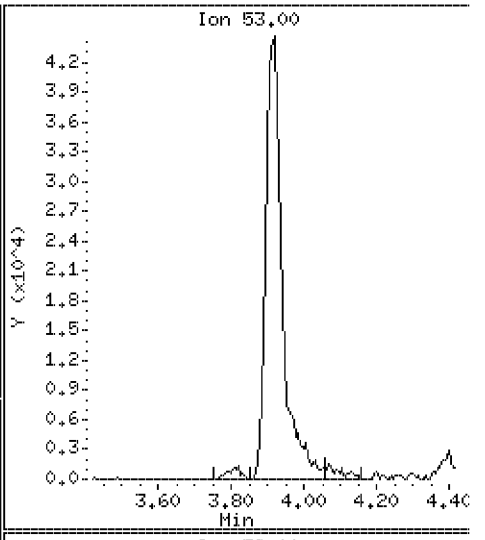
Concentration: 40.2 ug/l

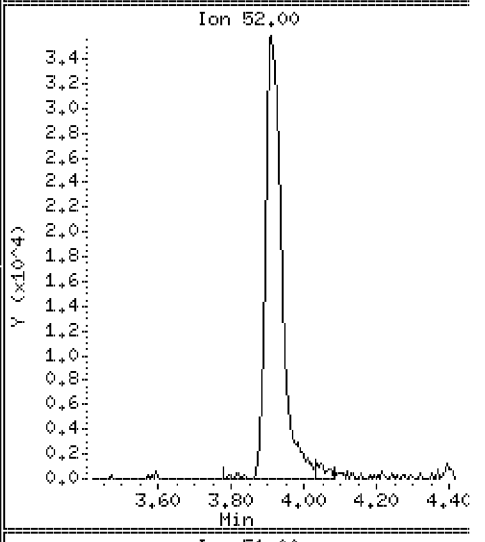


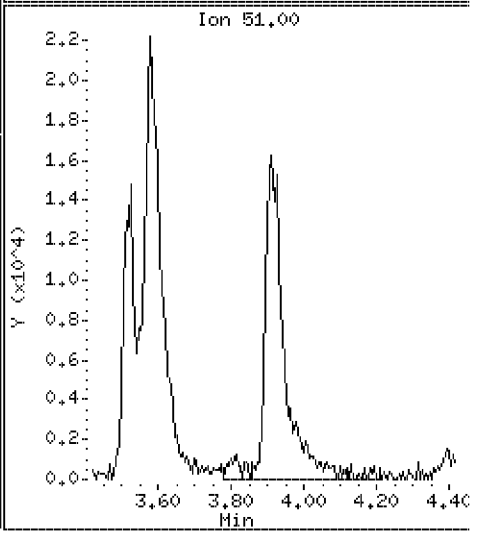












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

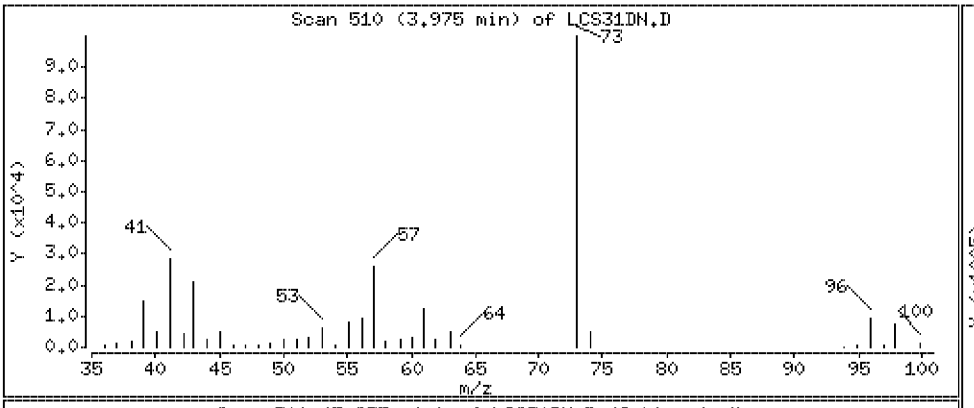
Operator:

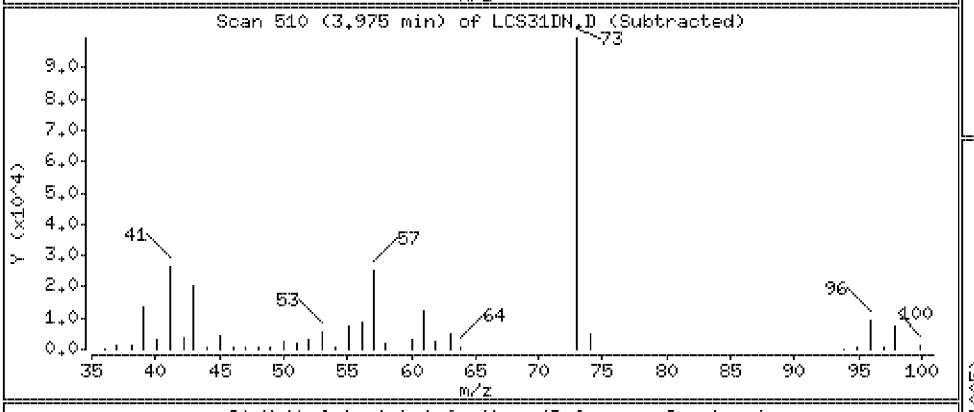
Column phase: RTX-502.2

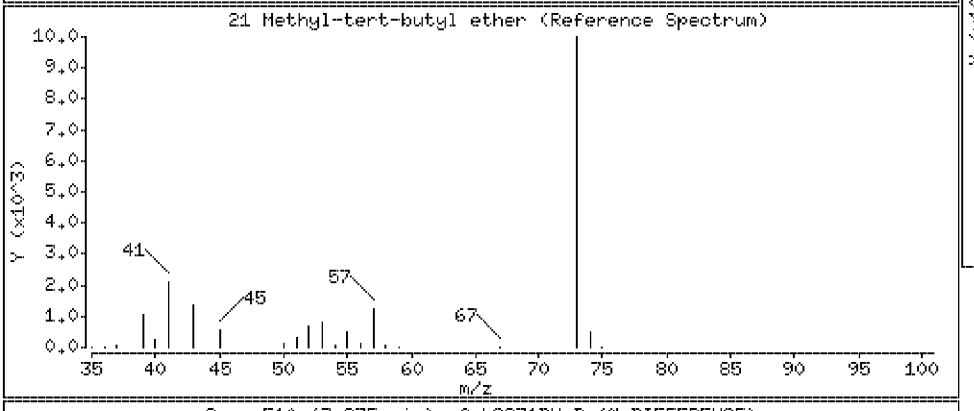
Column diameter: 0.18

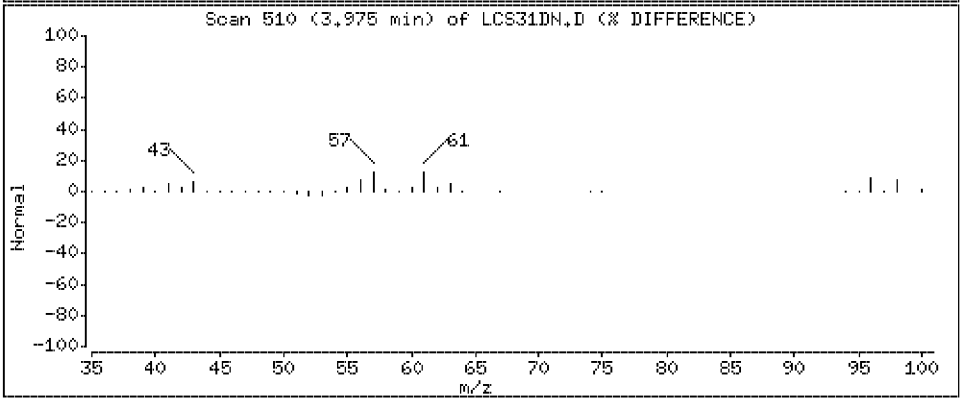
21 Methyl-tert-butyl ether

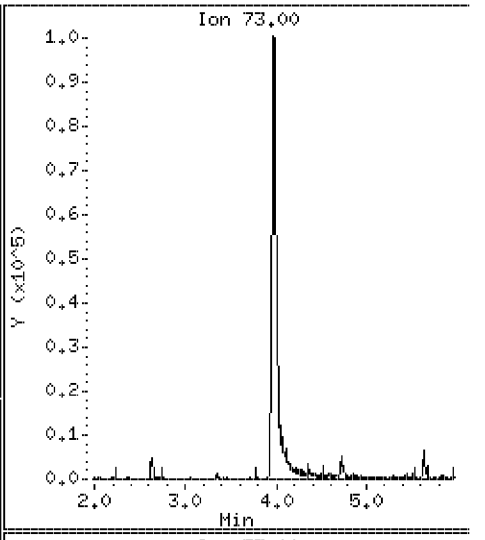
Concentration: 19.6 ug/l

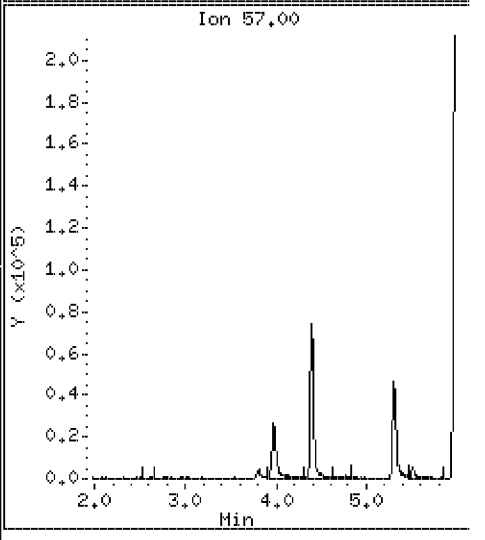












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

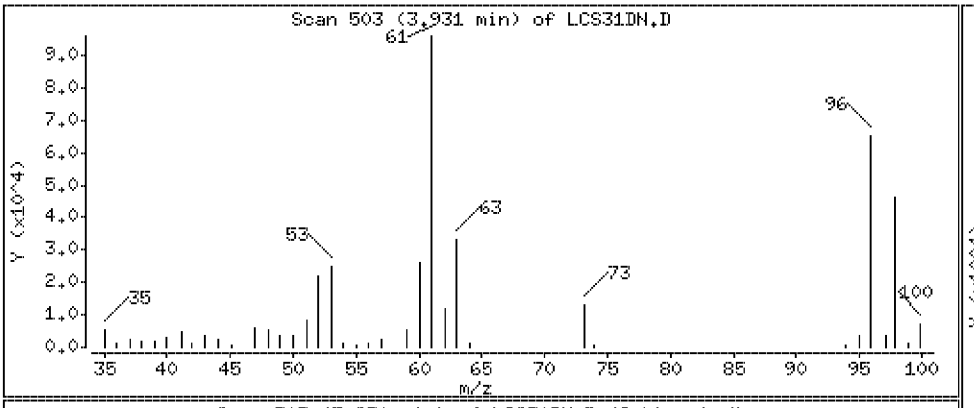
Operator:

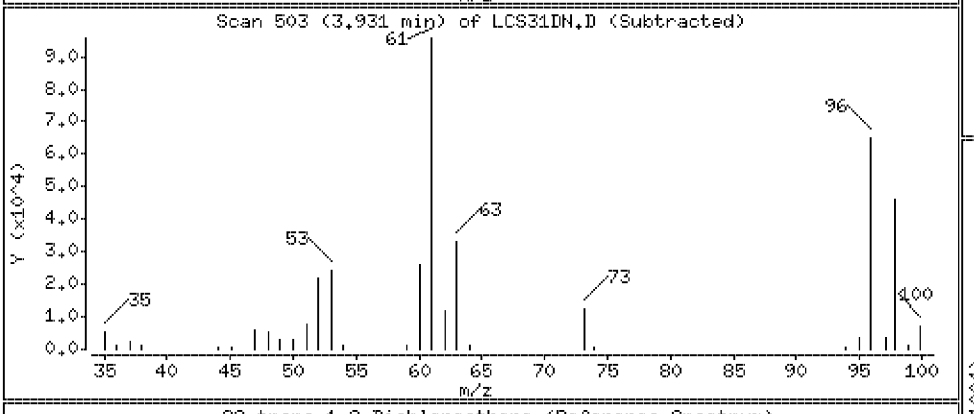
Column phase: RTX-502.2

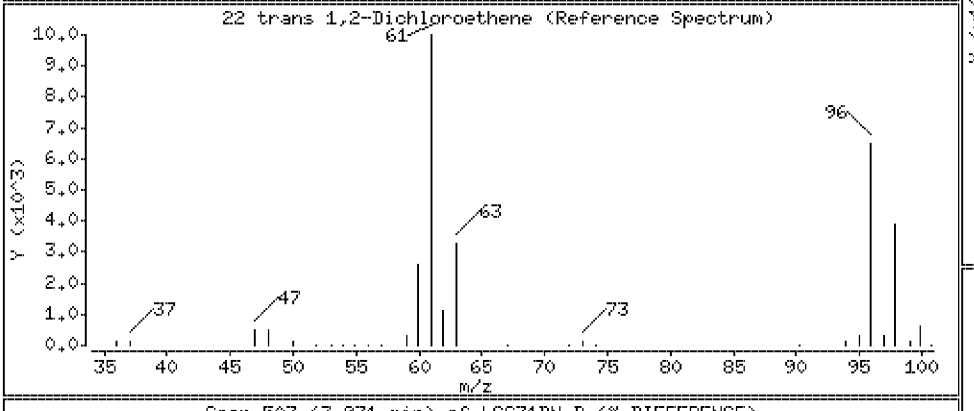
Column diameter: 0.18

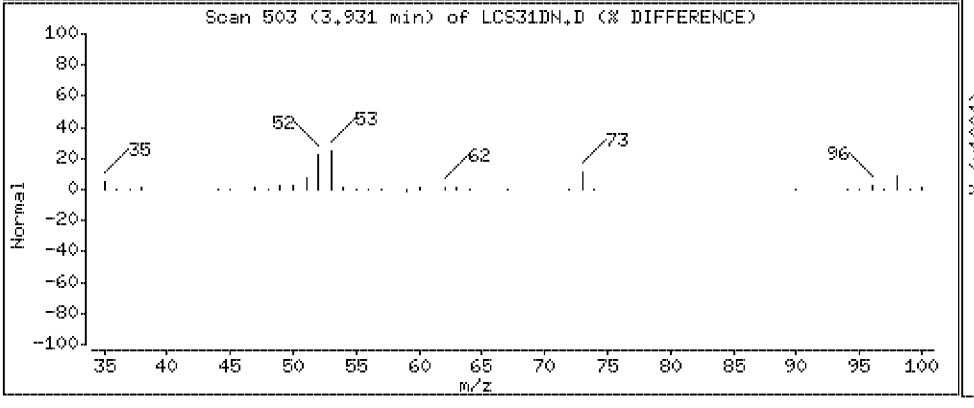
22 trans 1,2-Dichloroethene

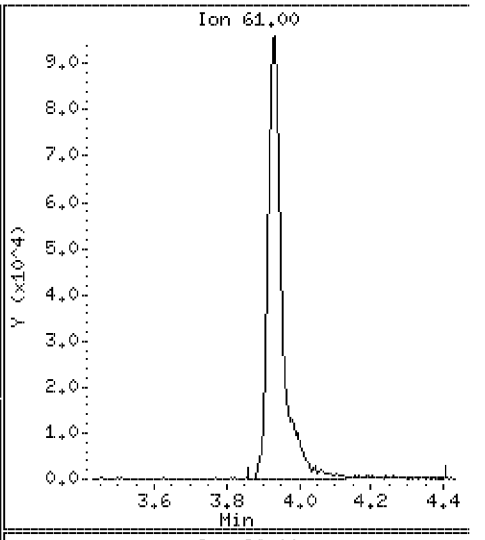
Concentration: 19.9 ug/l

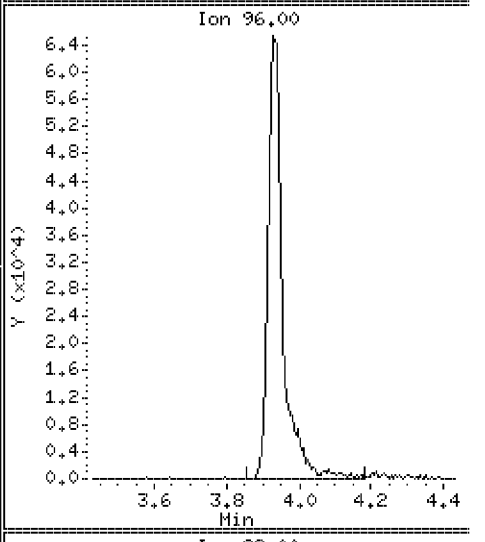


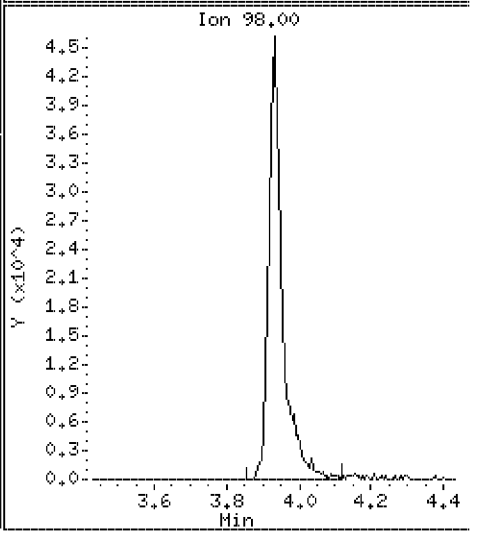












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

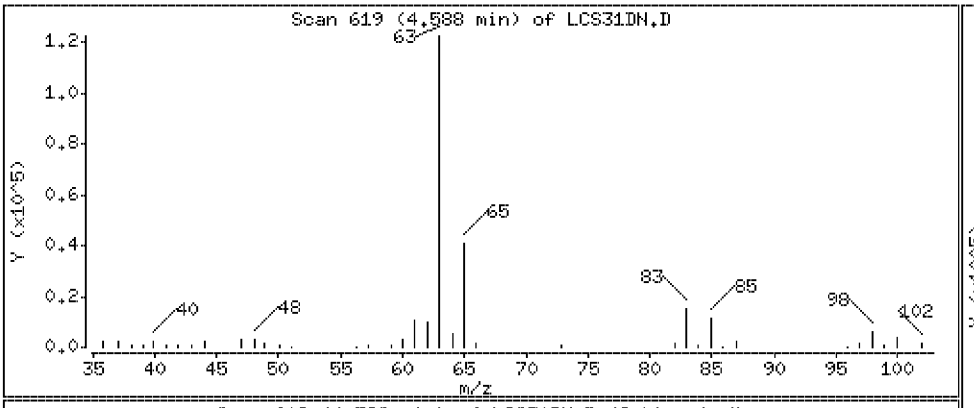
Operator:

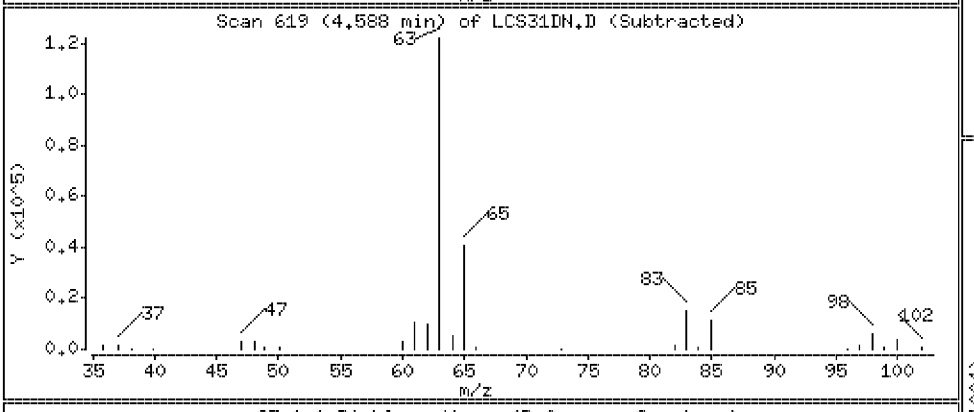
Column phase: RTX-502.2

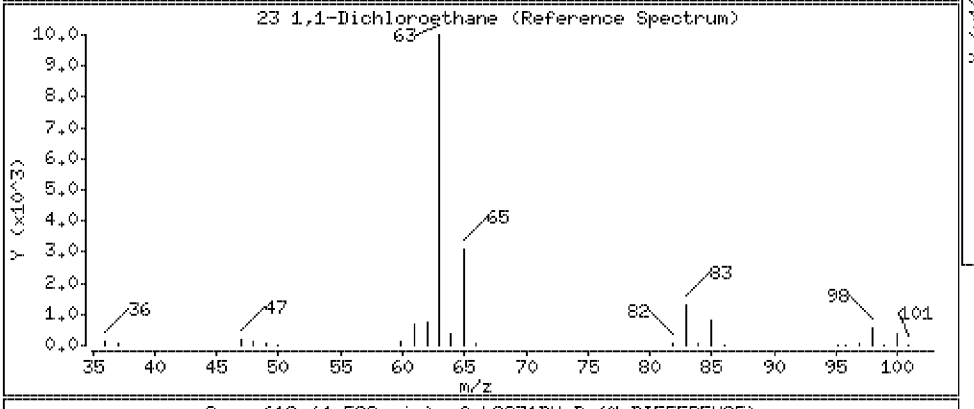
Column diameter: 0.18

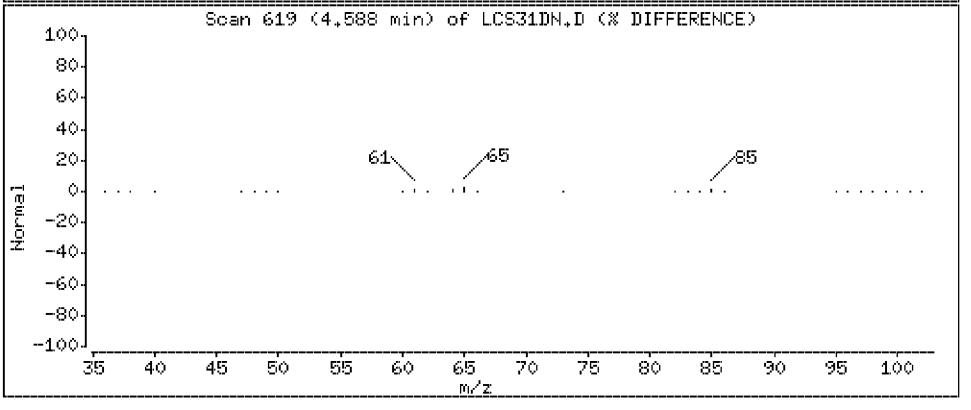
23 1,1-Dichloroethane

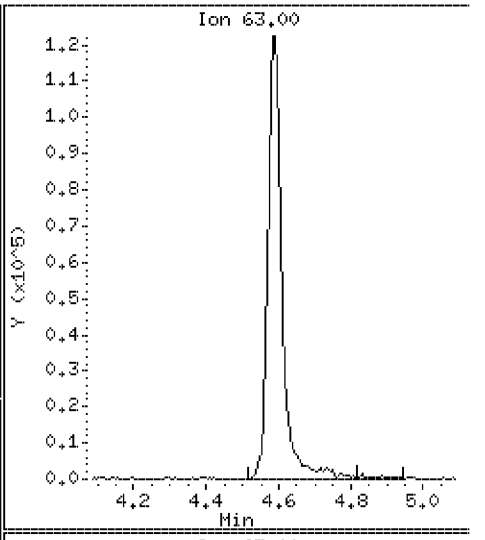
Concentration: 20.3 ug/l

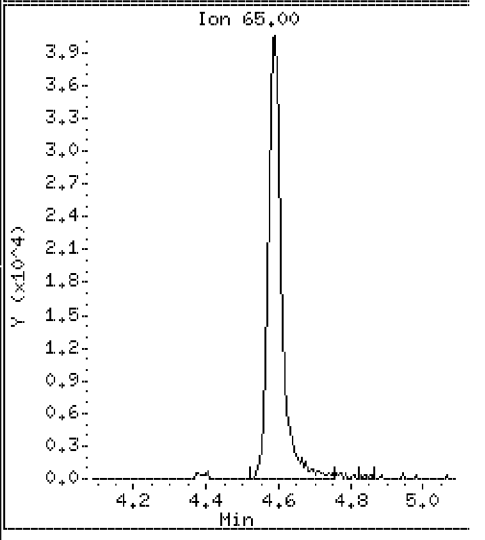












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

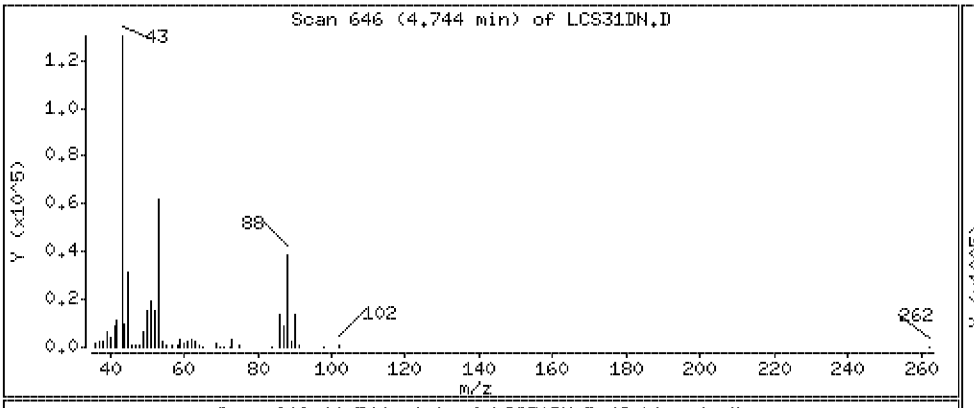
Operator:

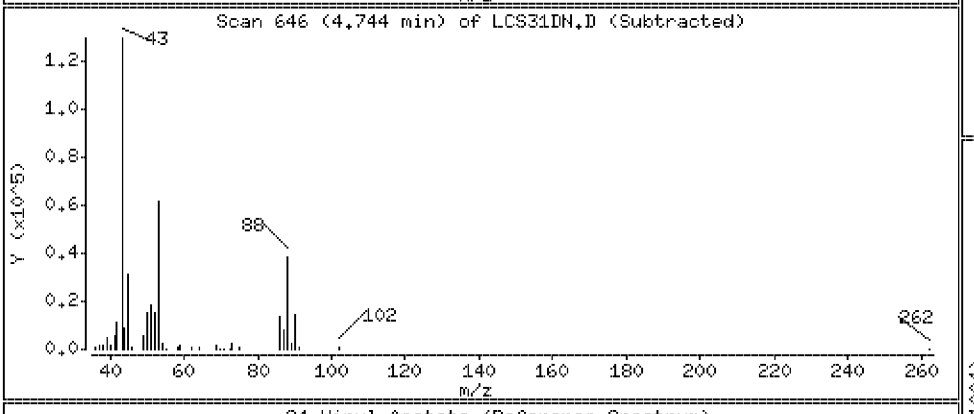
Column phase: RTX-502.2

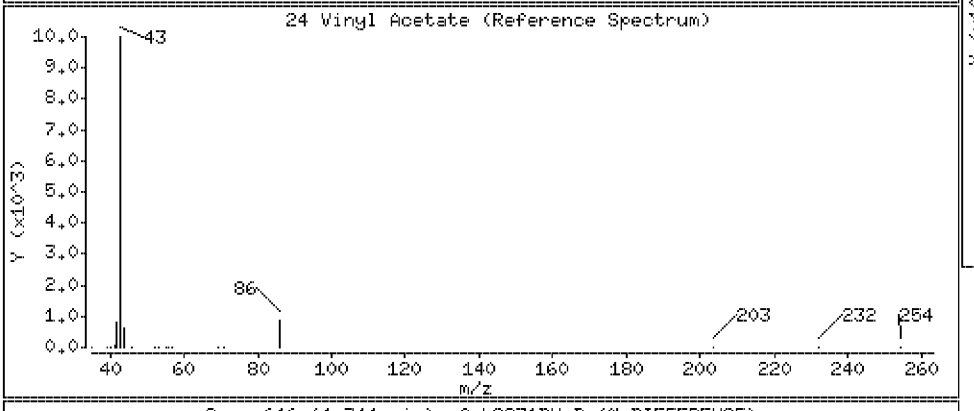
Column diameter: 0.18

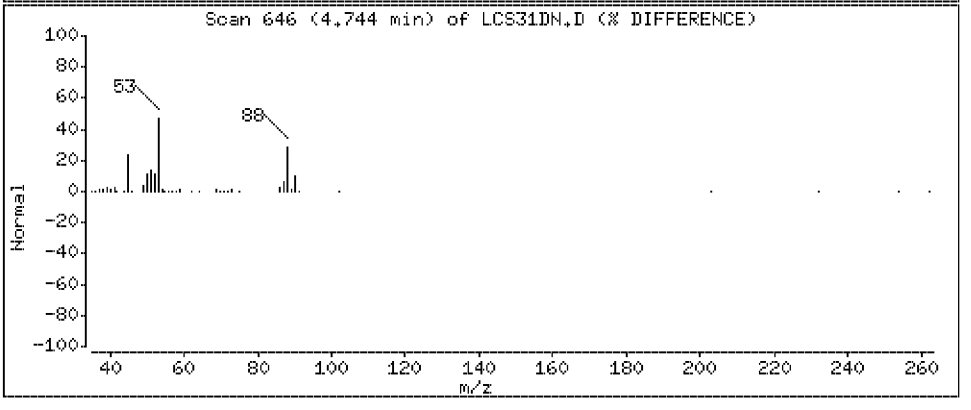
24 Vinyl Acetate

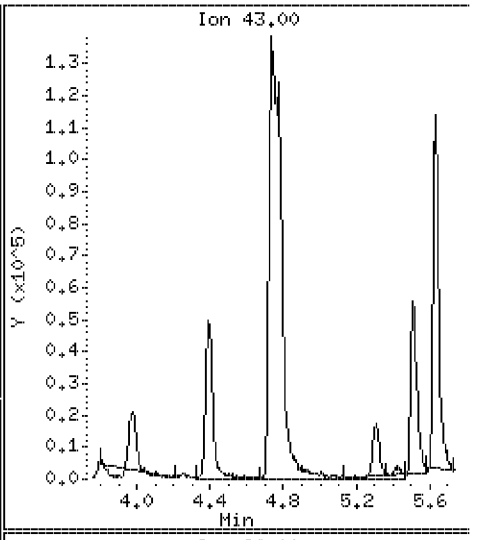
Concentration: 20.8 ug/l

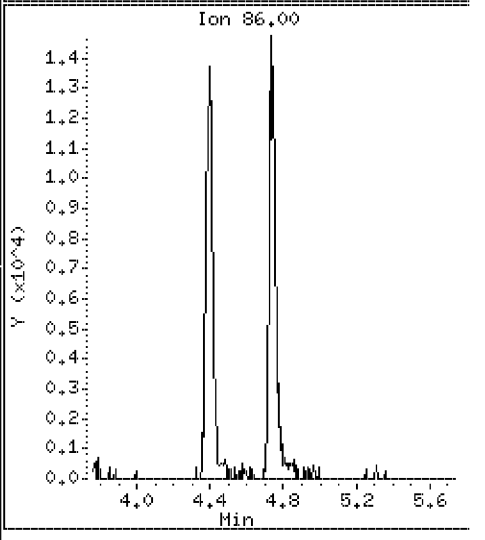












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

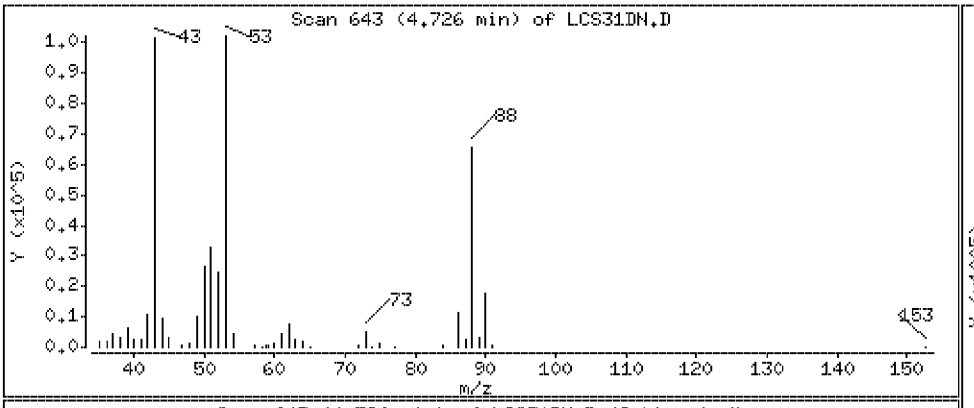
Operator:

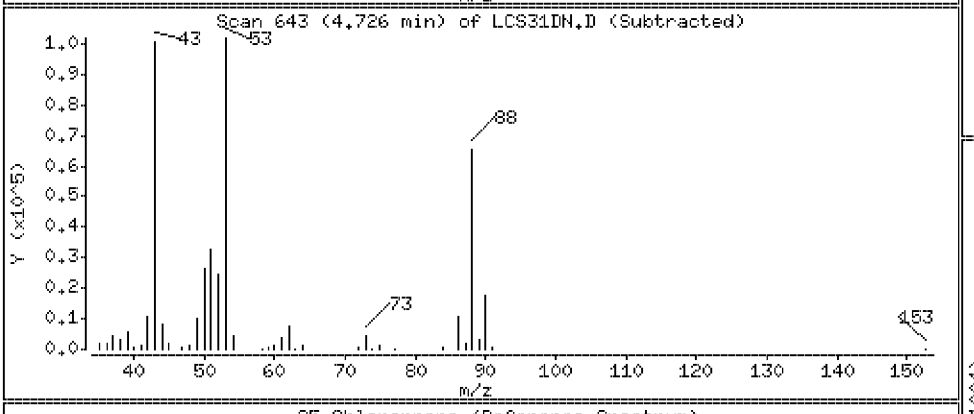
Column phase: RTX-502.2

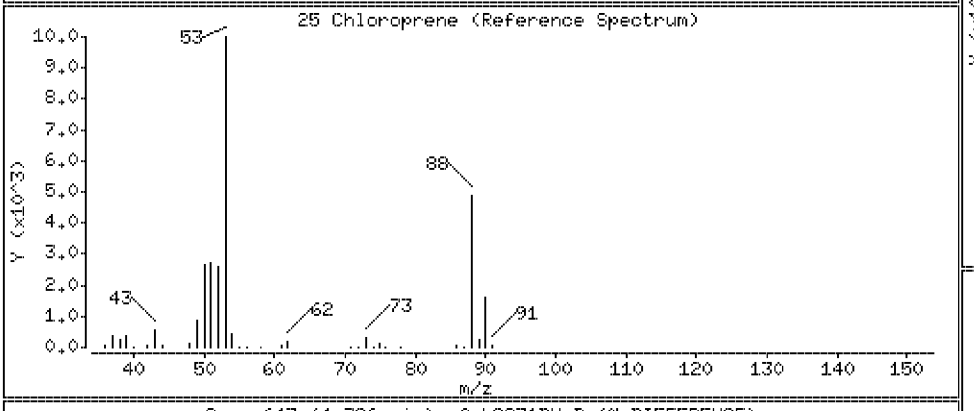
Column diameter: 0.18

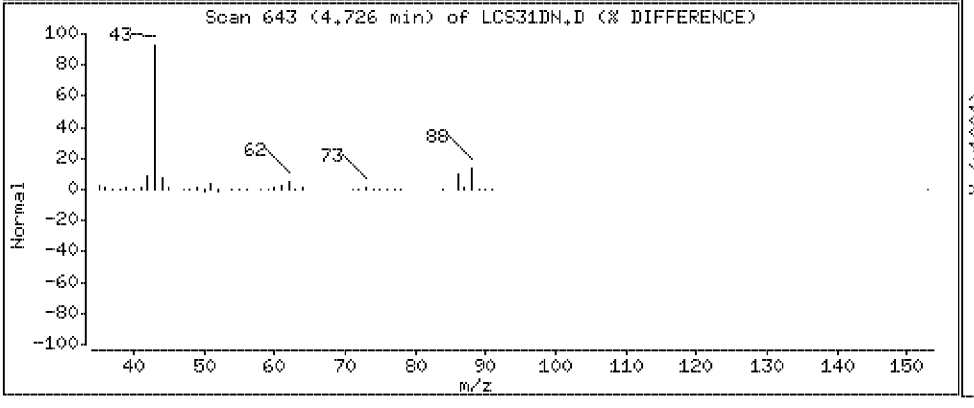
25 Chloroprene

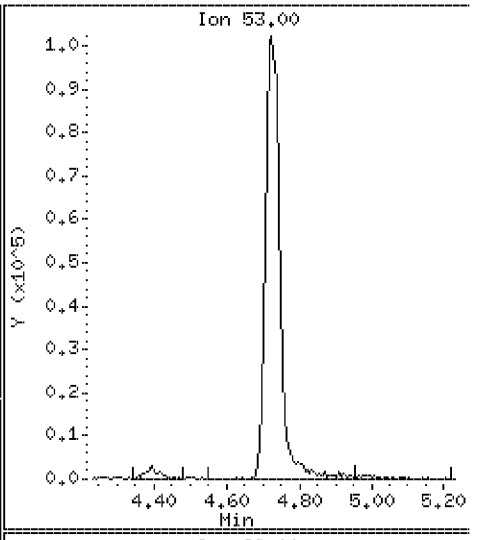
Concentration: 20.4 ug/l

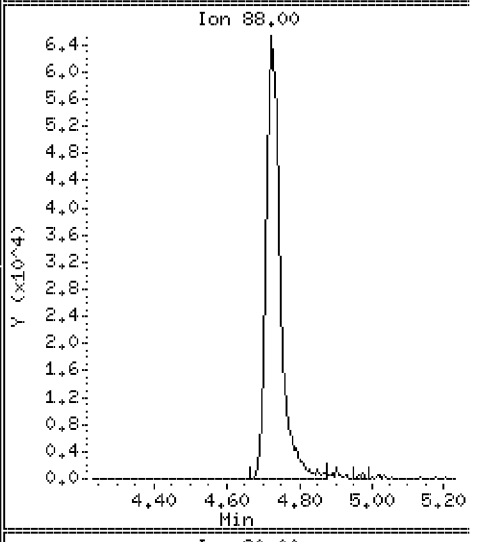


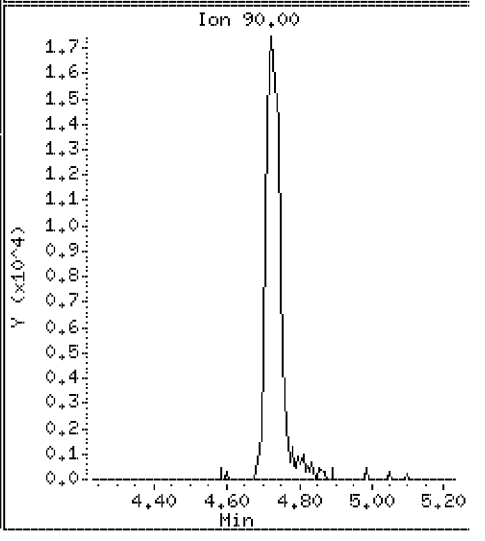












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

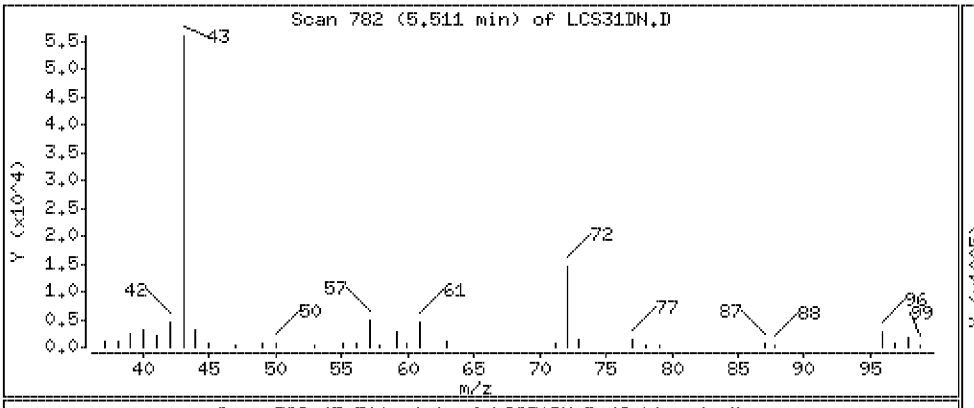
Operator:

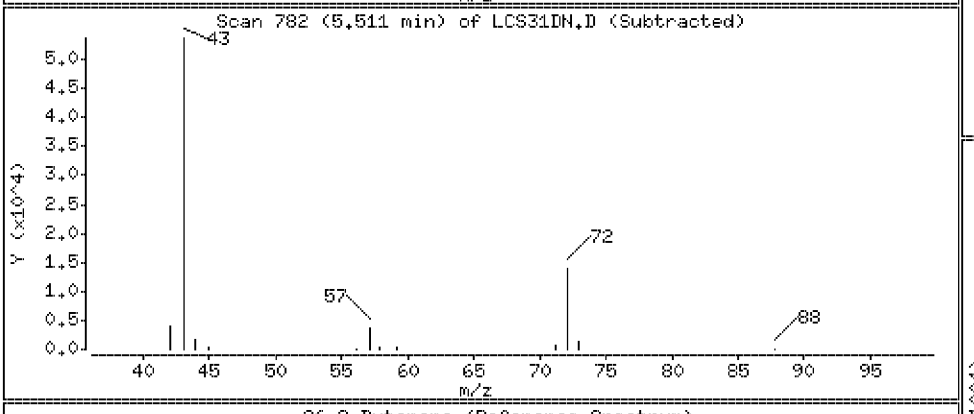
Column phase: RTX-502.2

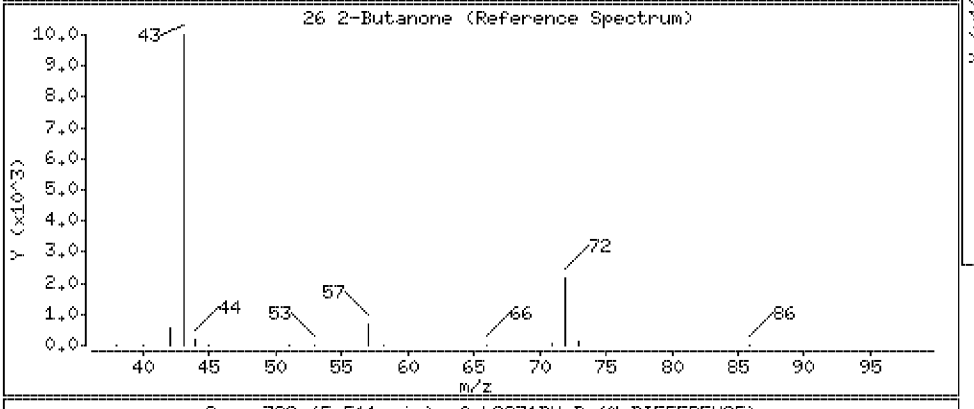
Column diameter: 0.18

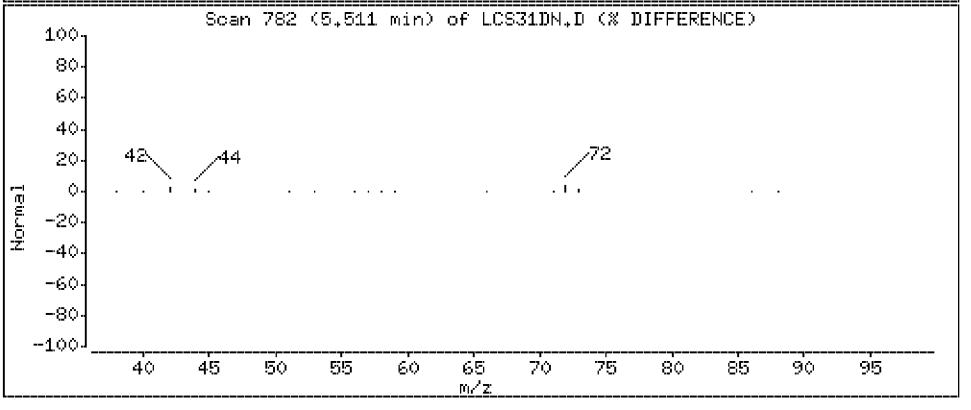
26 2-Butanone

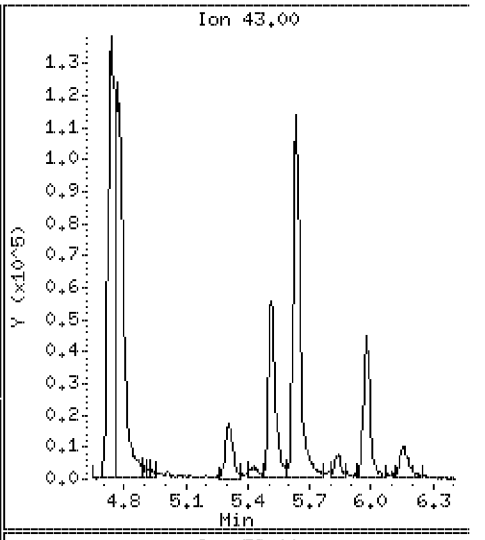
Concentration: 40.8 ug/l

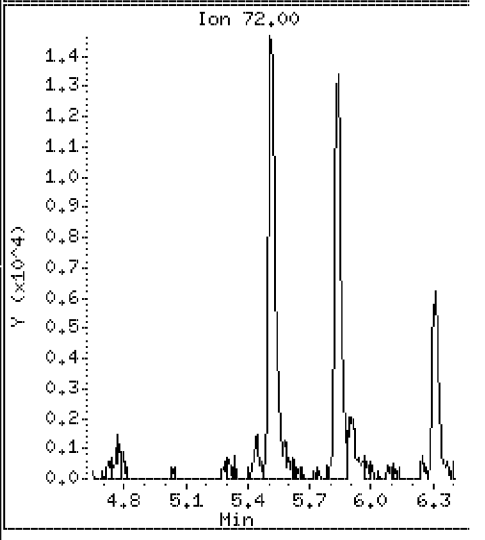












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

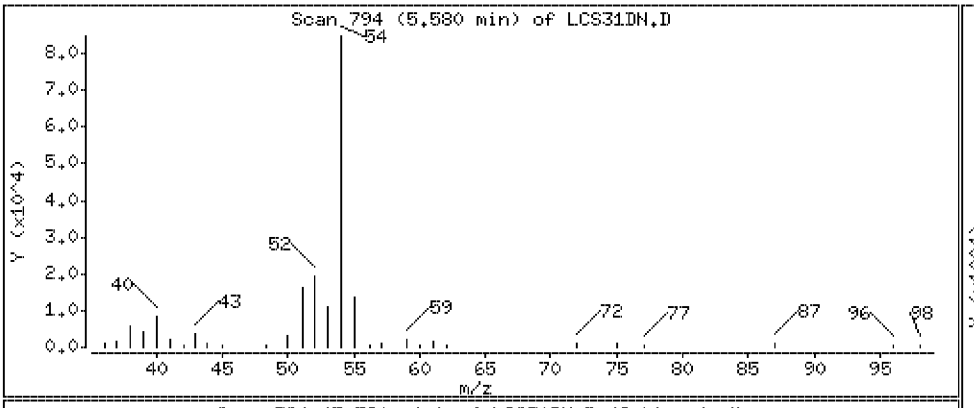
Operator:

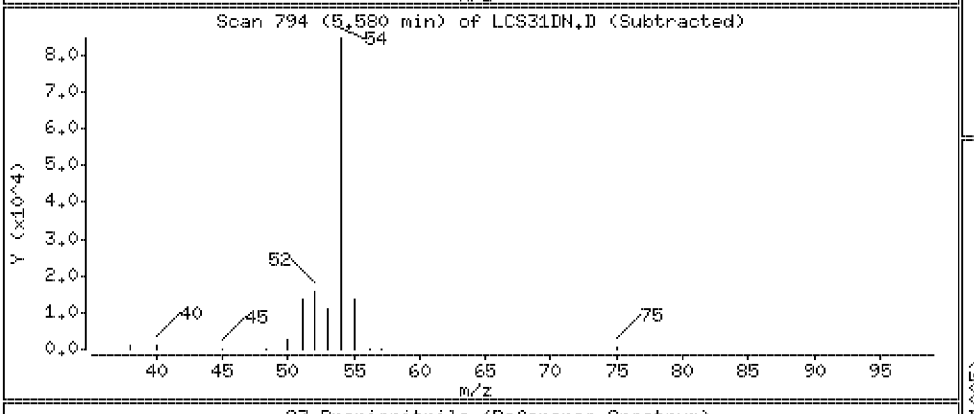
Column phase: RTX-502.2

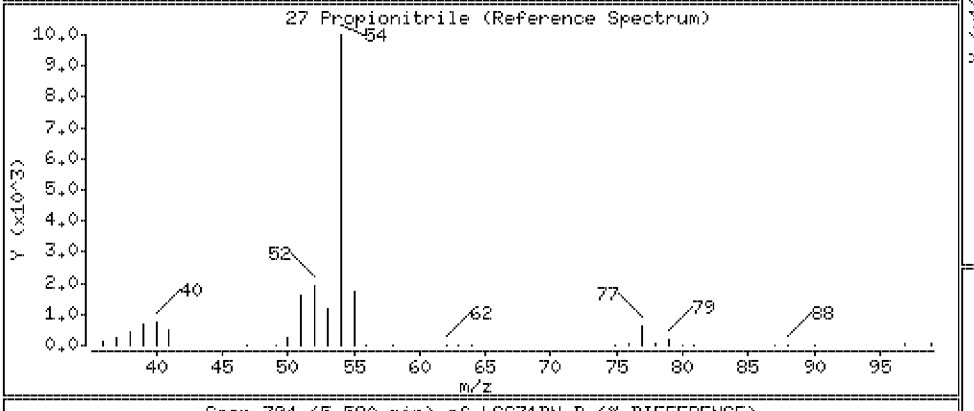
Column diameter: 0.18

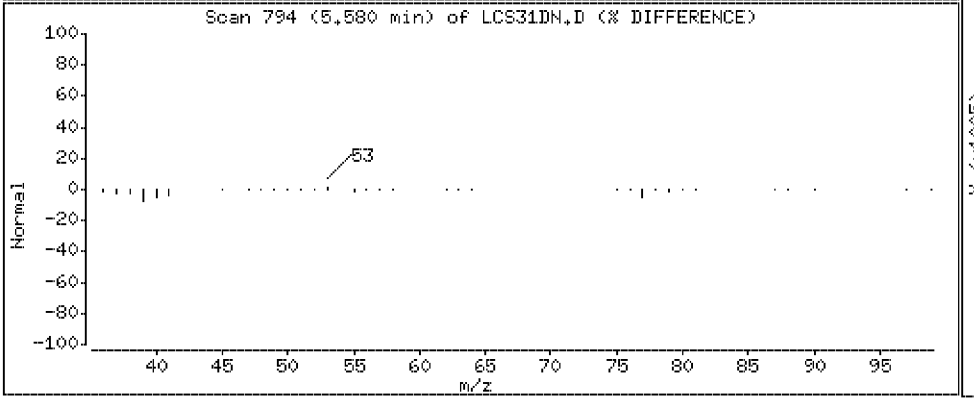
27 Propionitrile

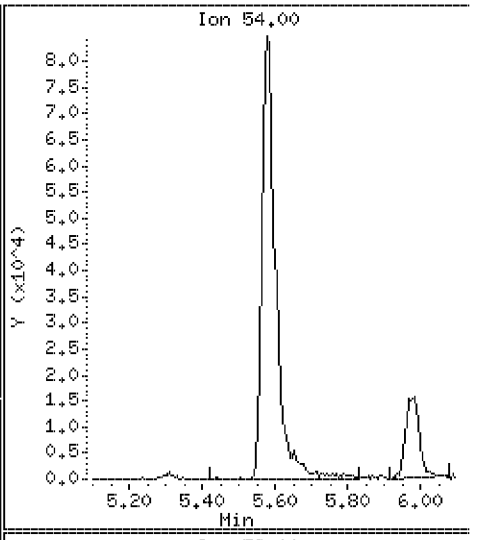
Concentration: 195 ug/l

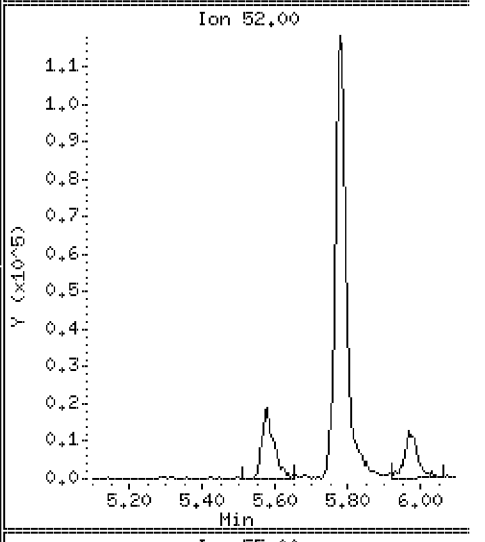


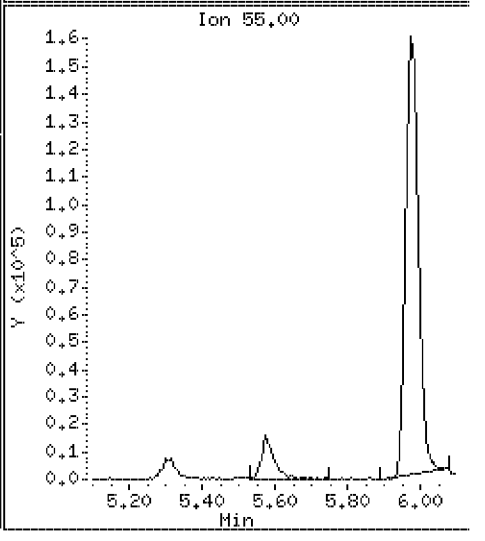












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

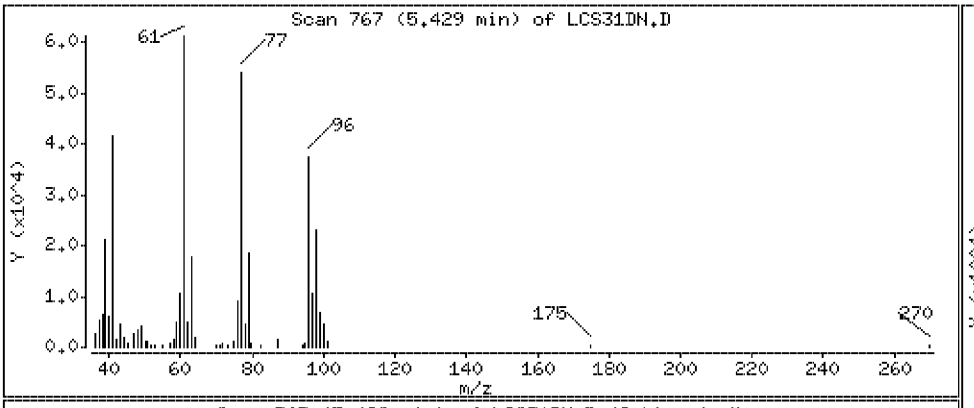
Operator:

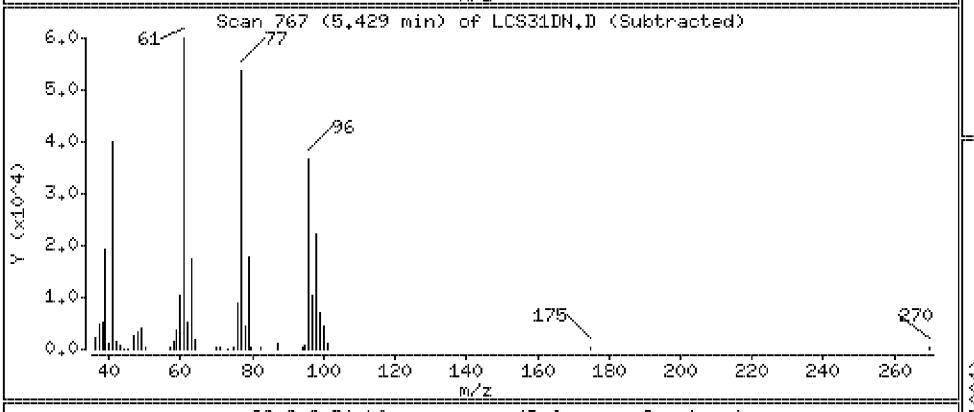
Column phase: RTX-502.2

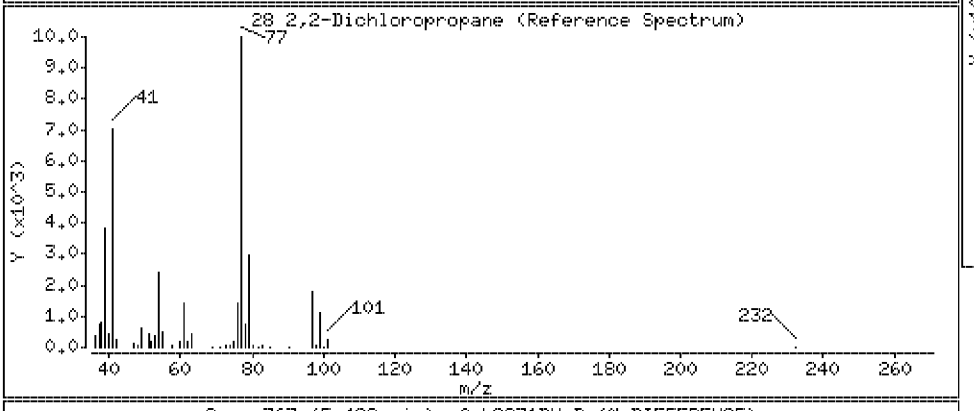
Column diameter: 0.18

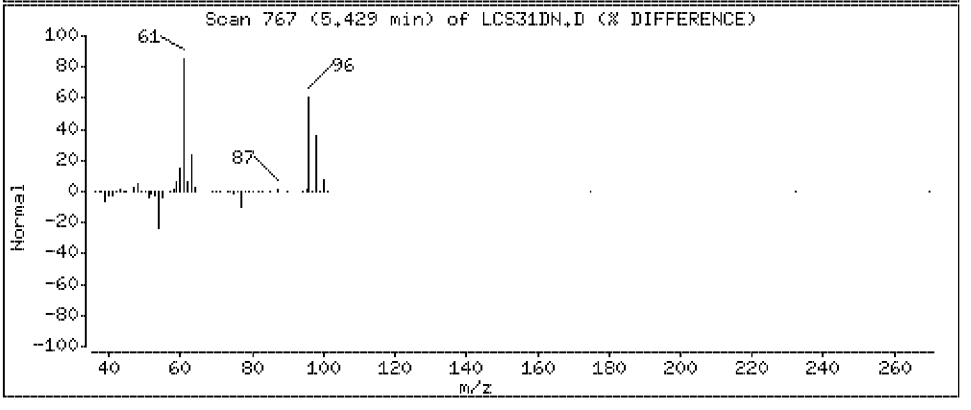
28 2,2-Dichloropropane

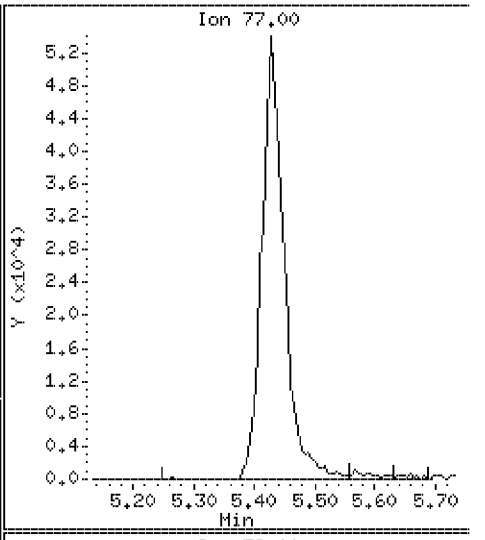
Concentration: 20.7 ug/l

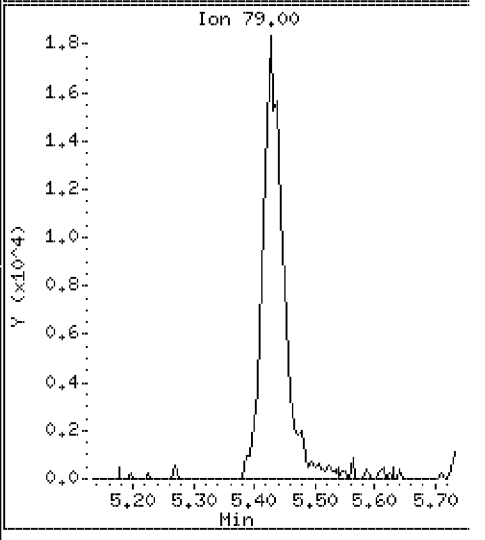












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

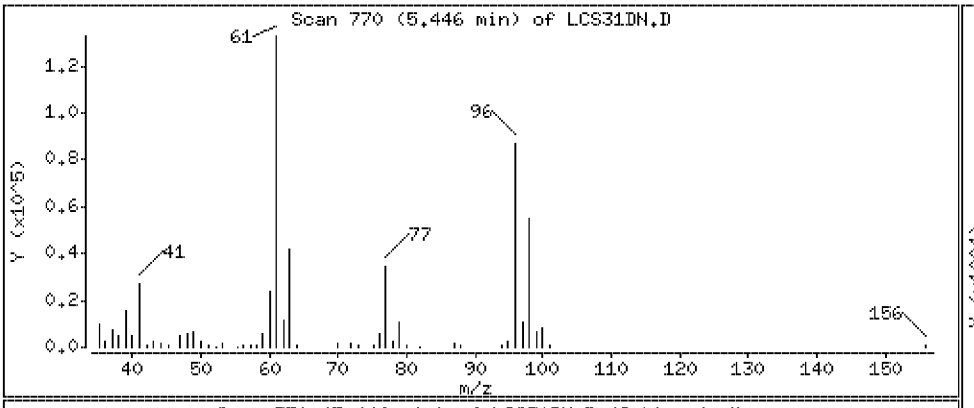
Operator:

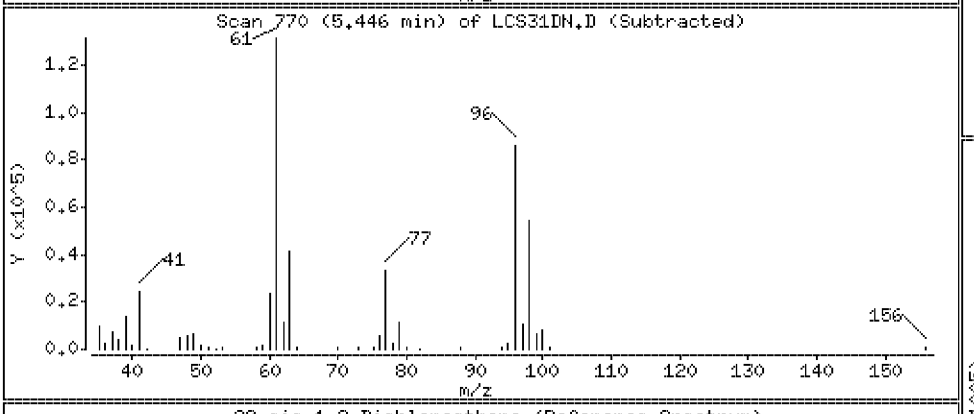
Column phase: RTX-502.2

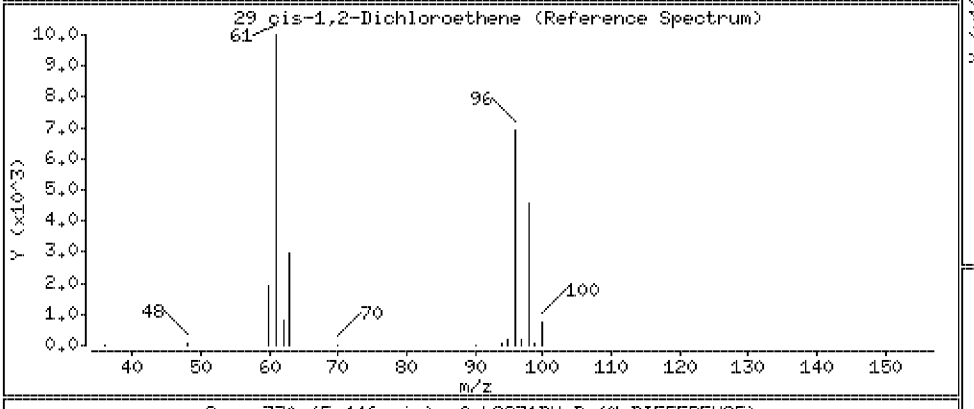
Column diameter: 0.18

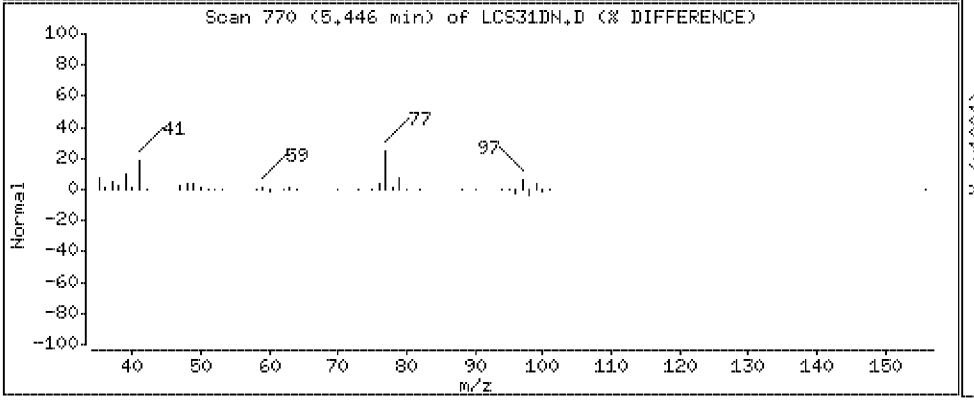
29 cis-1,2-Dichloroethene

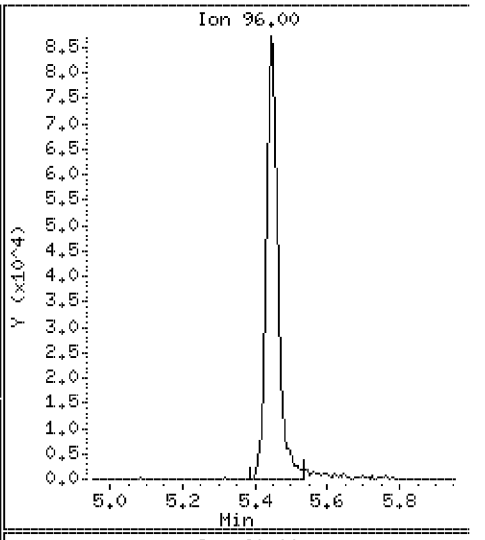
Concentration: 20.0 ug/l

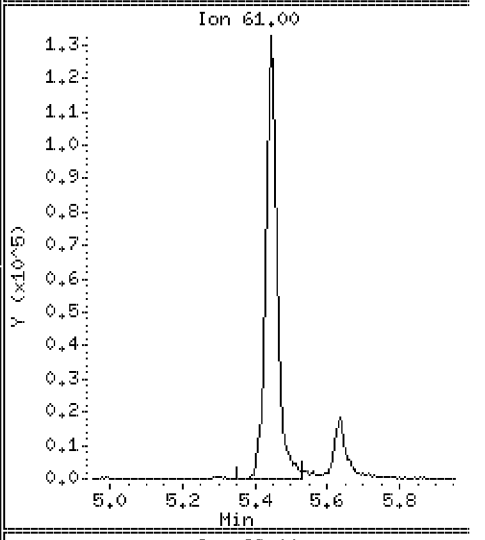


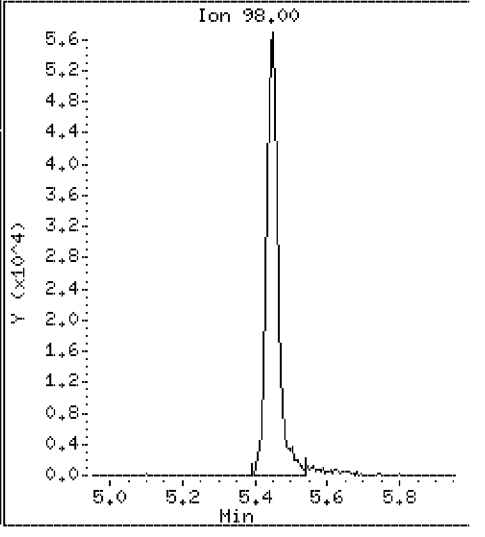












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

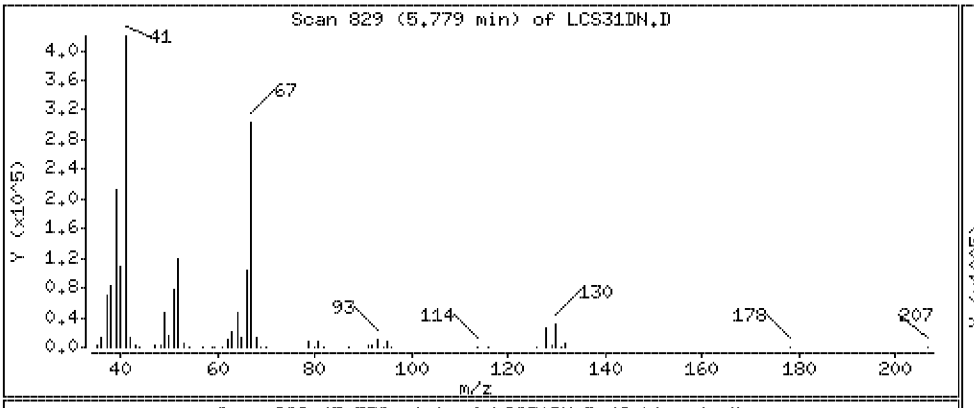
Operator:

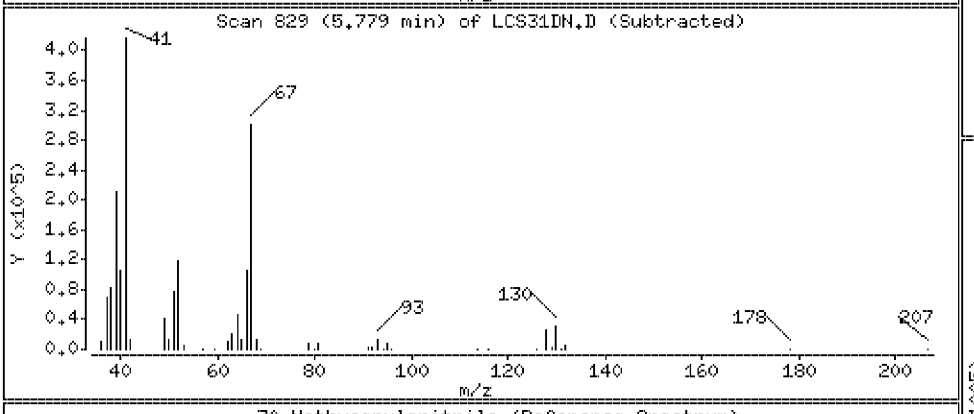
Column phase: RTX-502.2

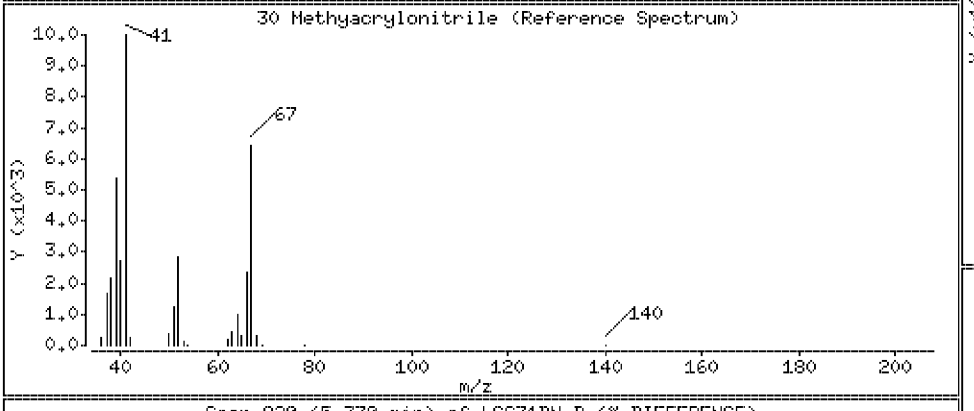
Column diameter: 0.18

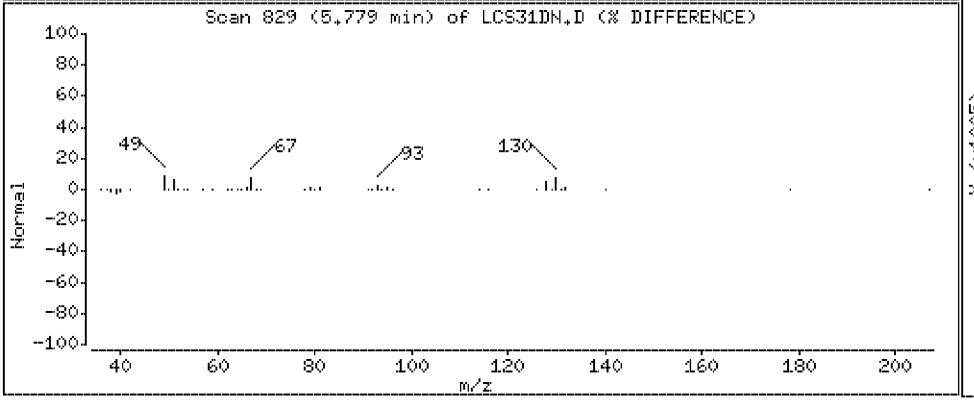
30 Methyacrylonitrile

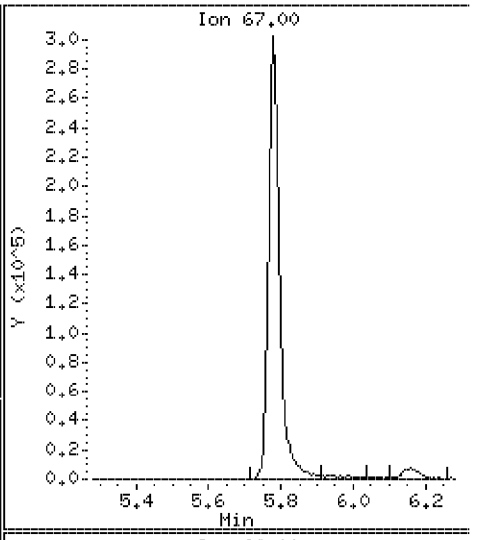
Concentration: 197 ug/l

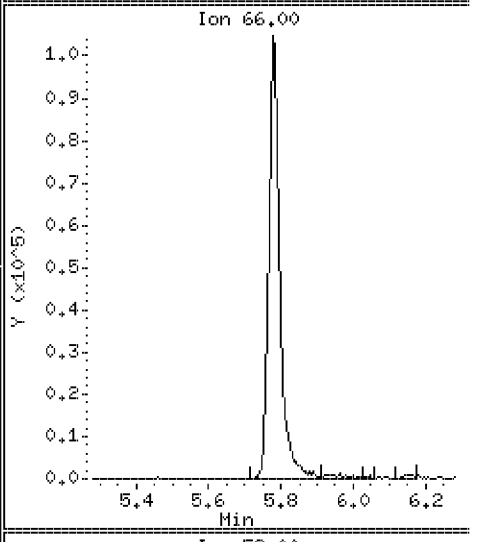


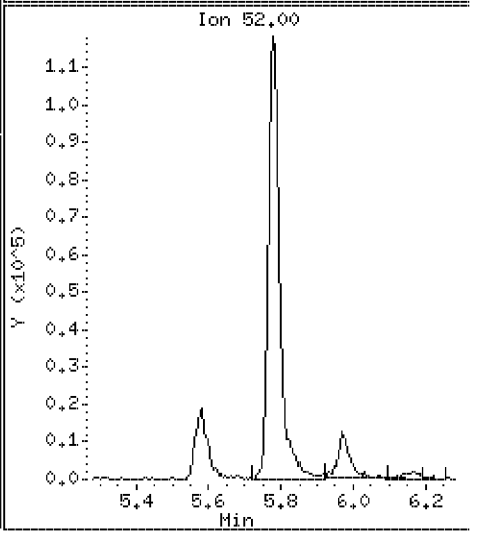












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

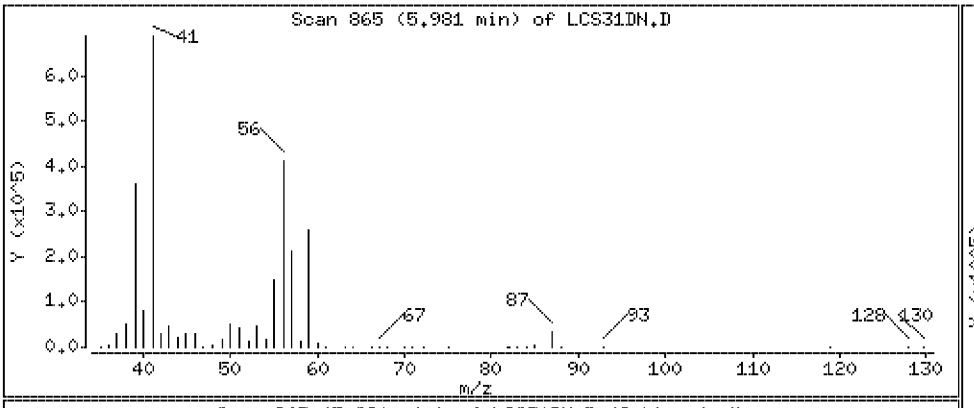
Operator:

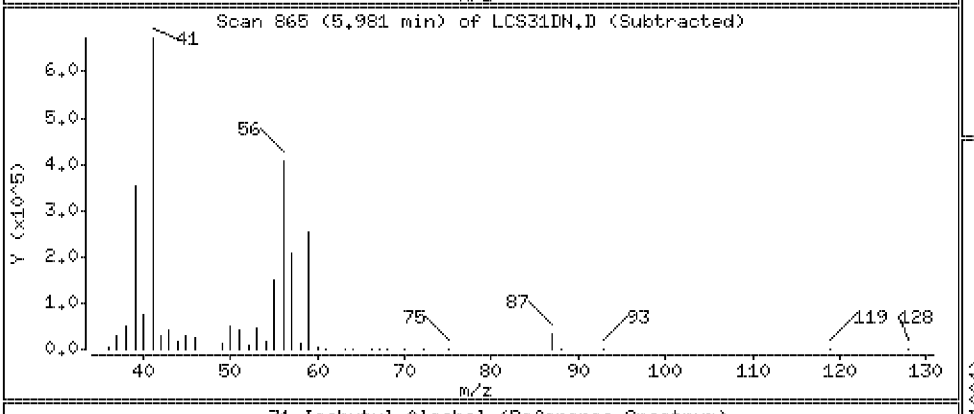
Column phase: RTX-502.2

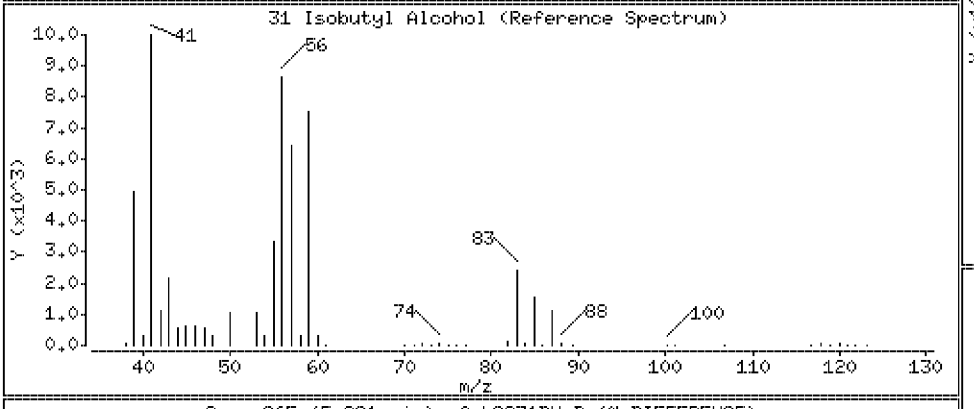
Column diameter: 0.18

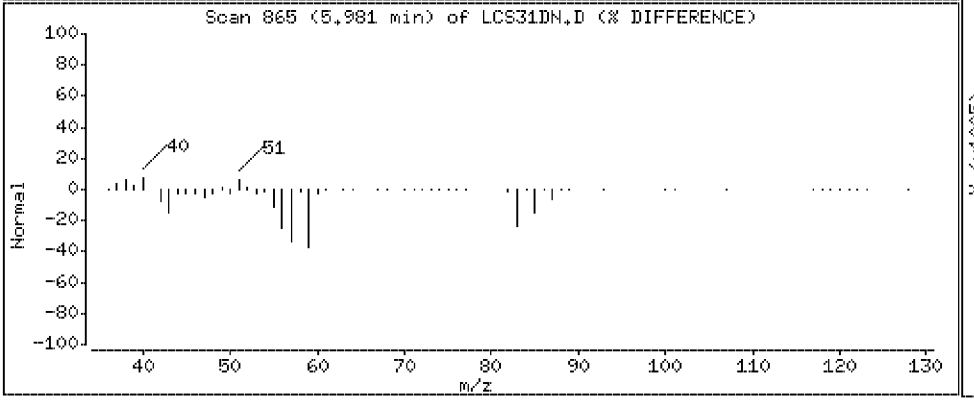
31 Isobutyl Alcohol

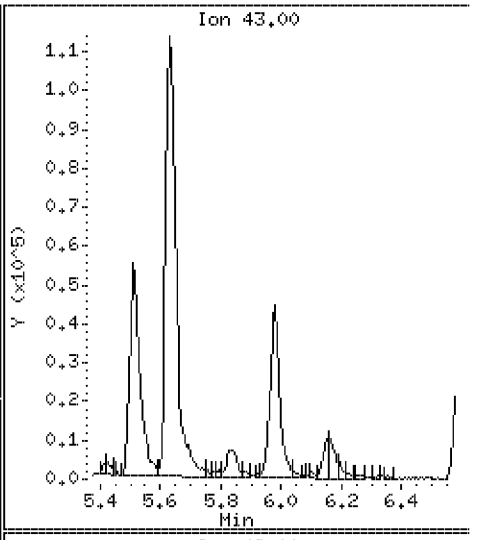
Concentration: 328 ug/l

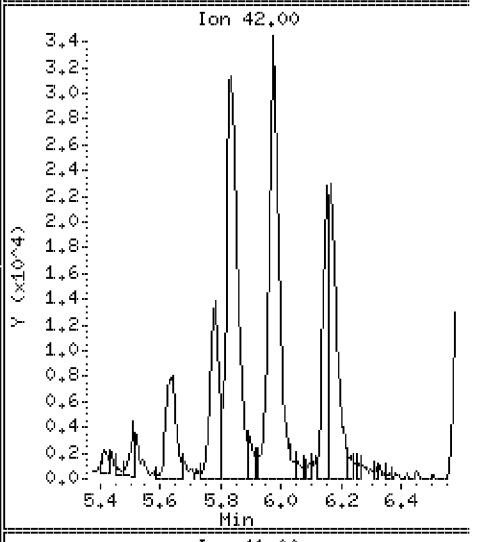


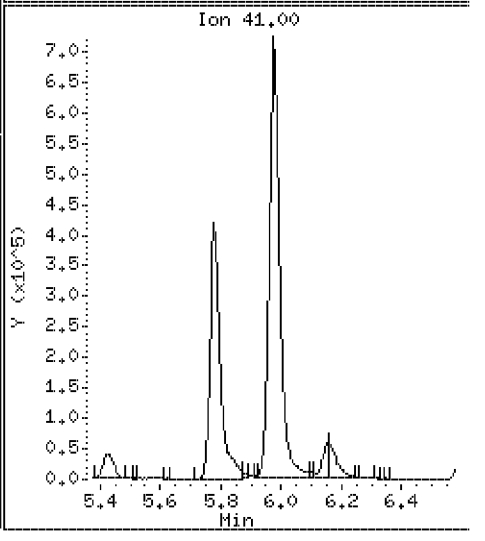












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

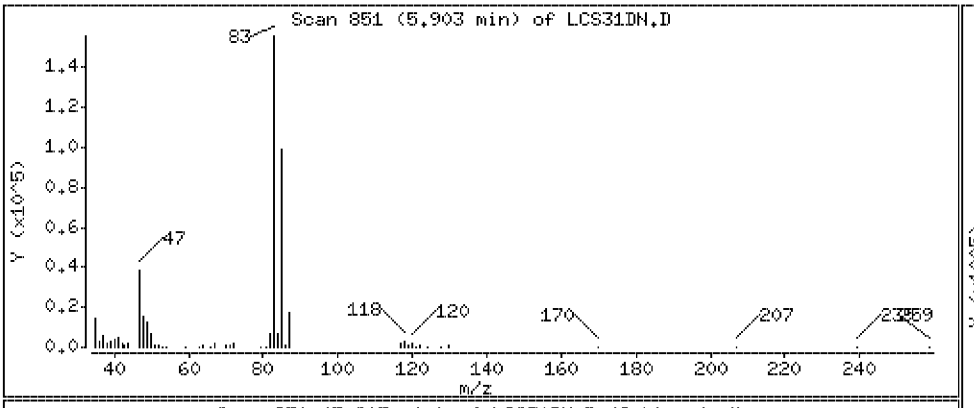
Operator:

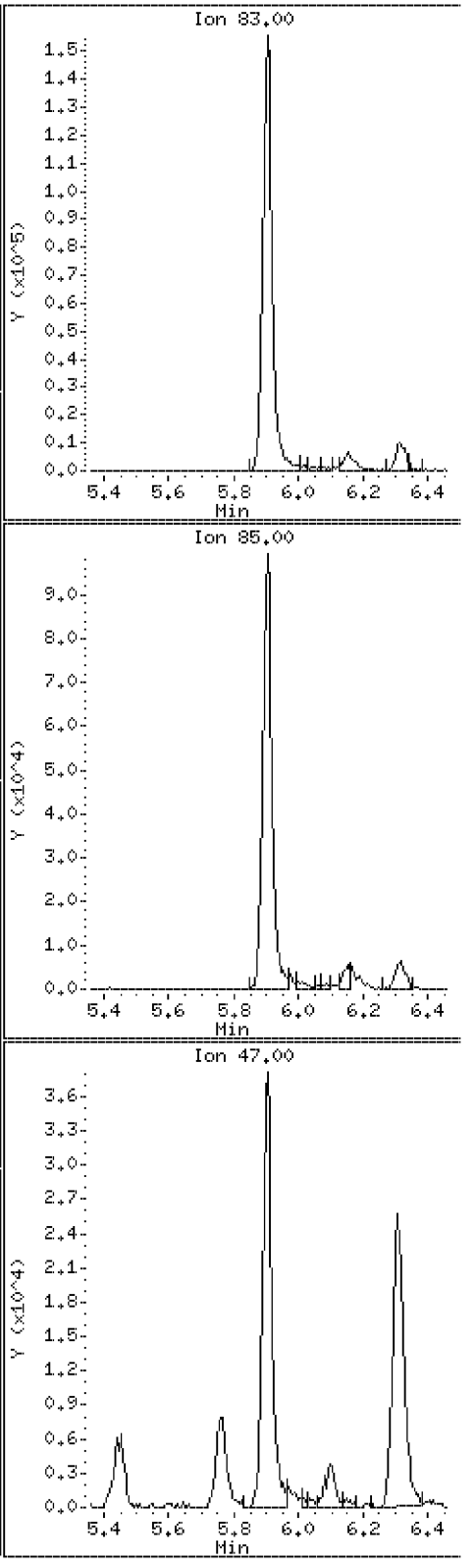
Column phase: RTX-502.2

Column diameter: 0.18

32 Chloroform

Concentration: 19.7 ug/l





Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

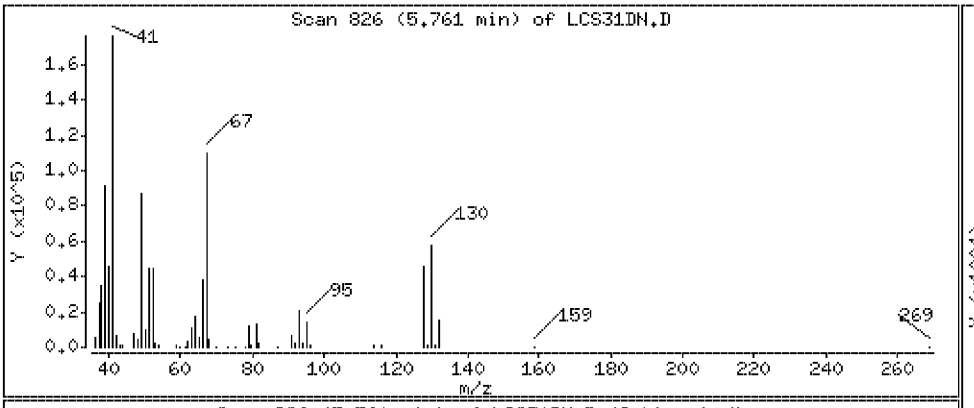
Operator:

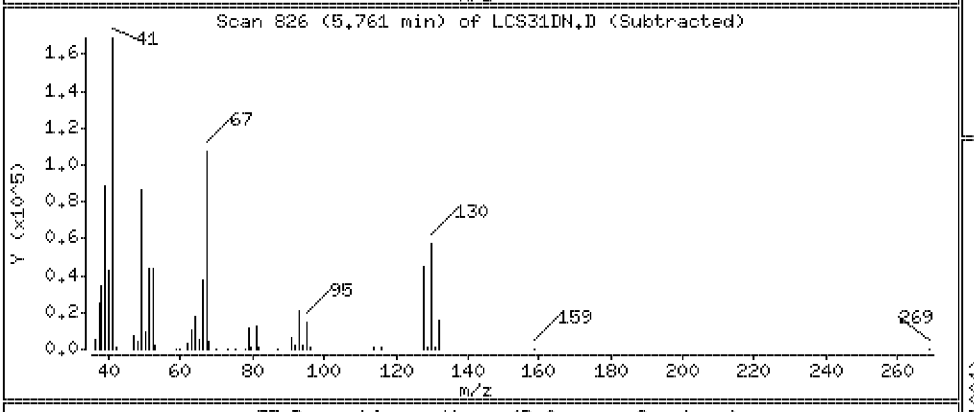
Column phase: RTX-502.2

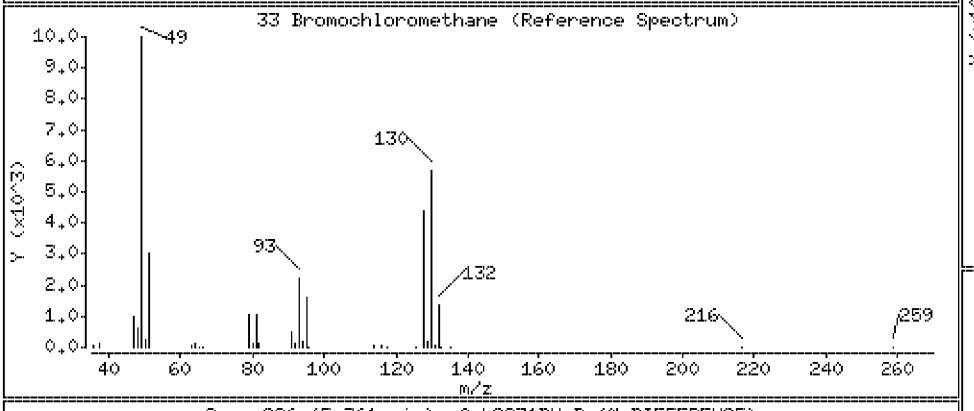
Column diameter: 0.18

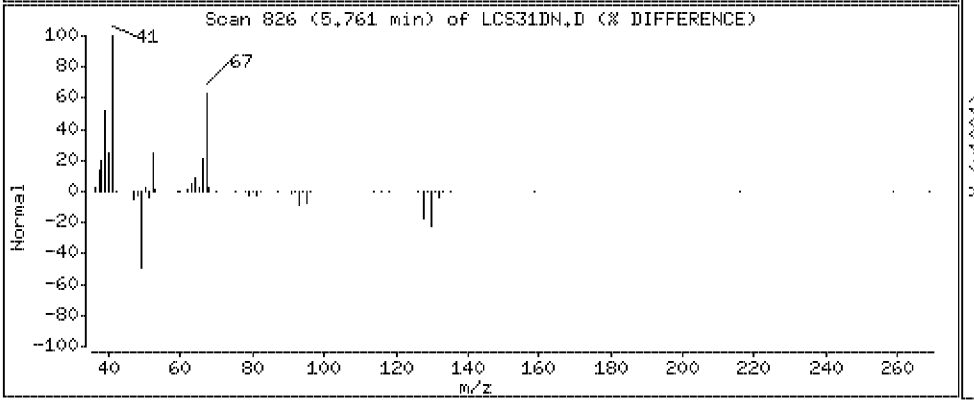
33 Bromochloromethane

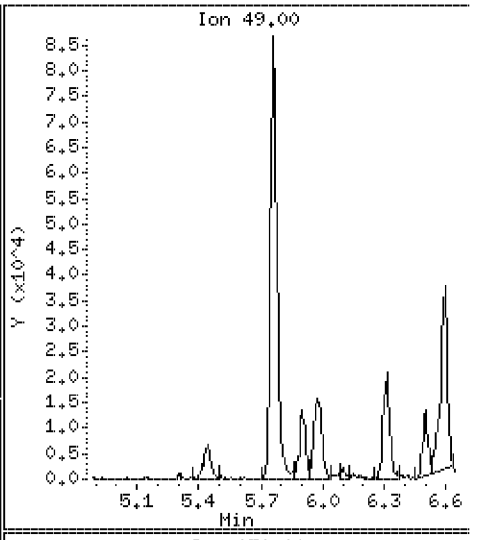
Concentration: 20.1 ug/l

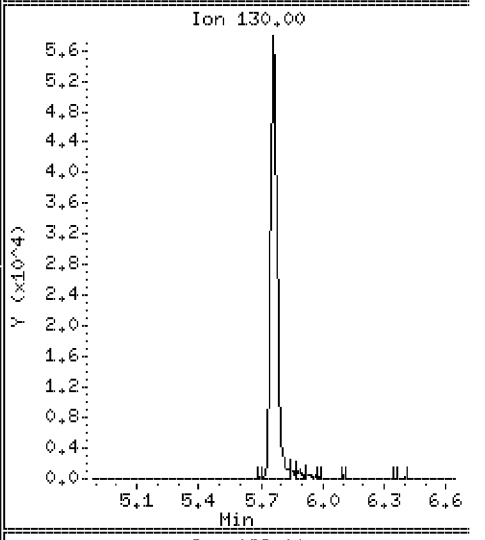


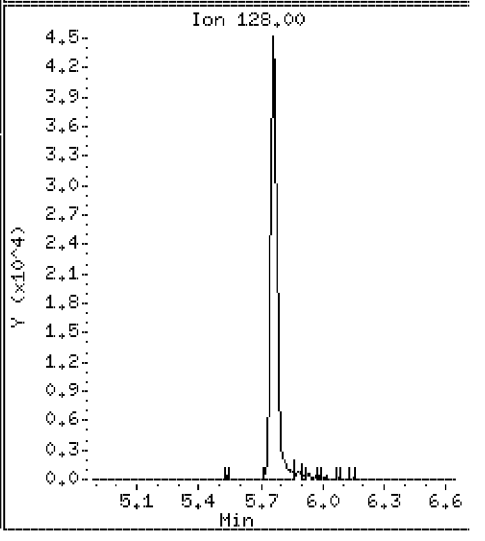












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

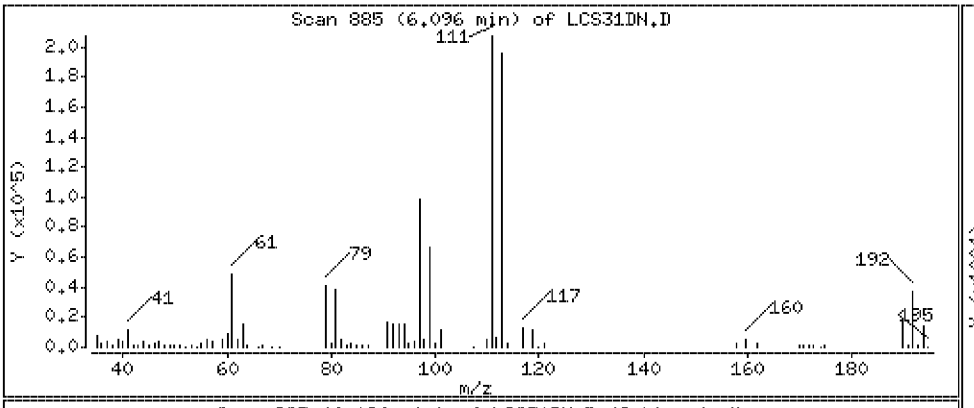
Operator:

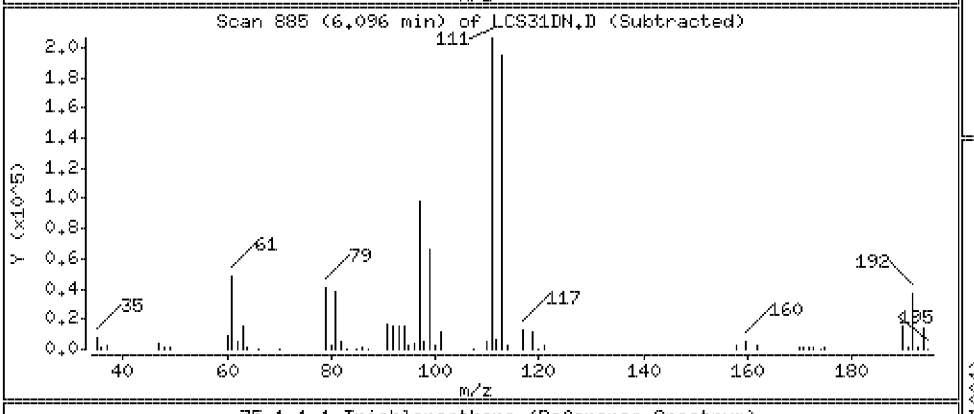
Column phase: RTX-502.2

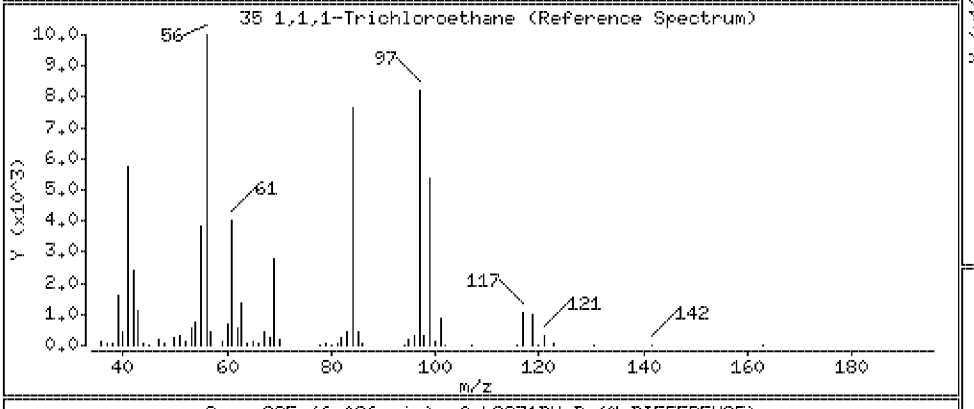
Column diameter: 0.18

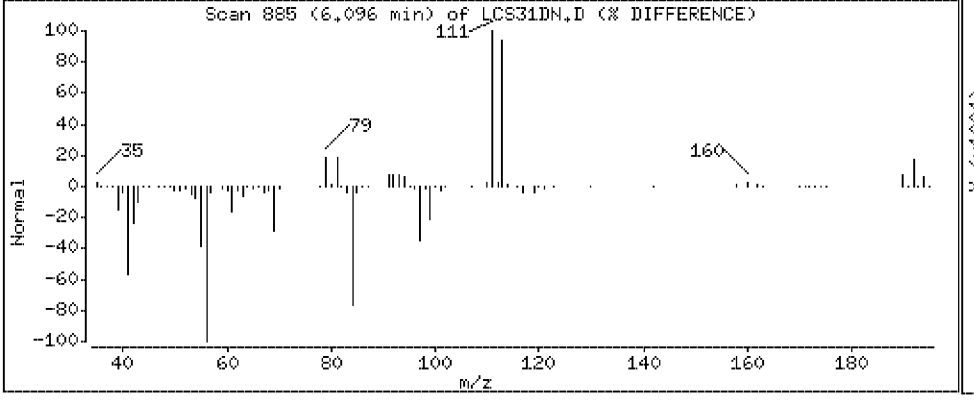
35 1,1,1-Trichloroethane

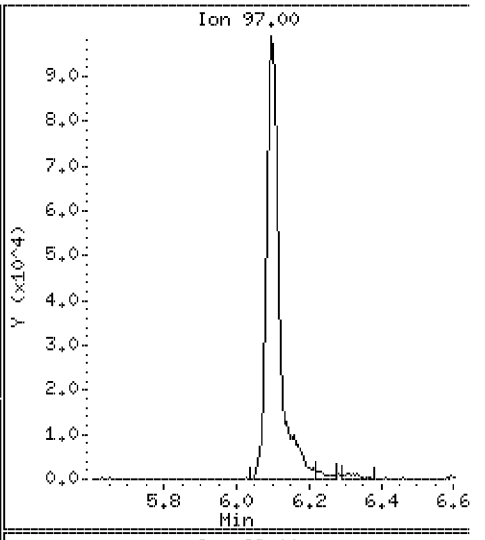
Concentration: 20.2 ug/l

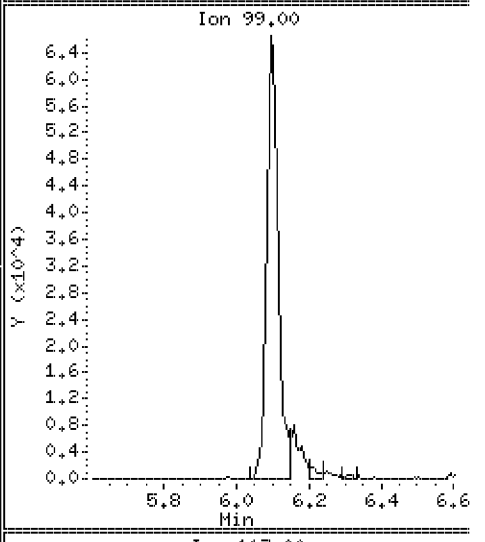


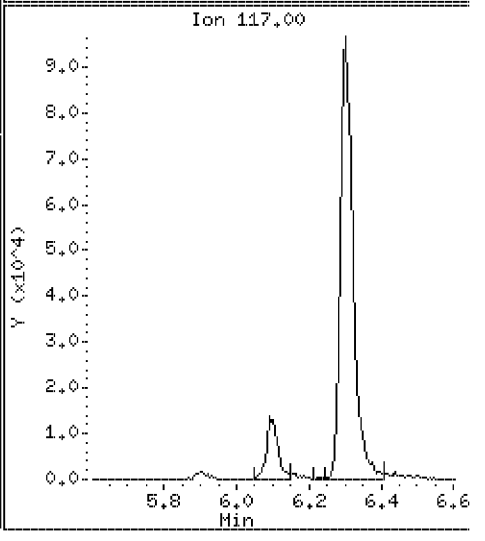












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

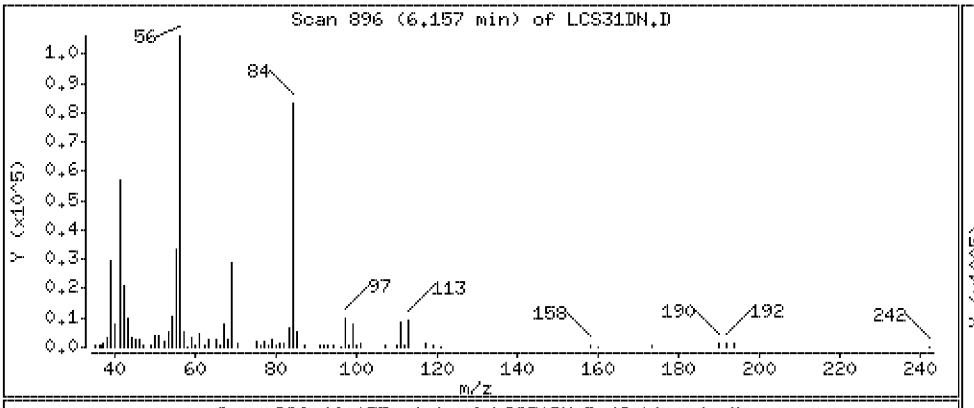
Operator:

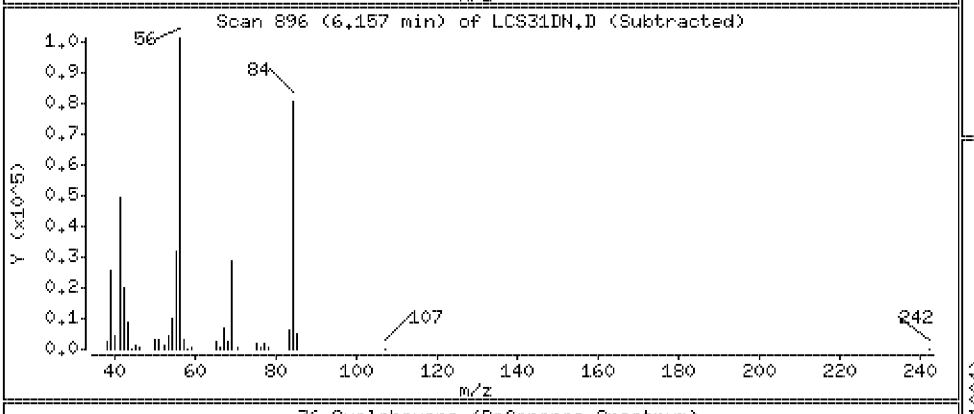
Column phase: RTX-502.2

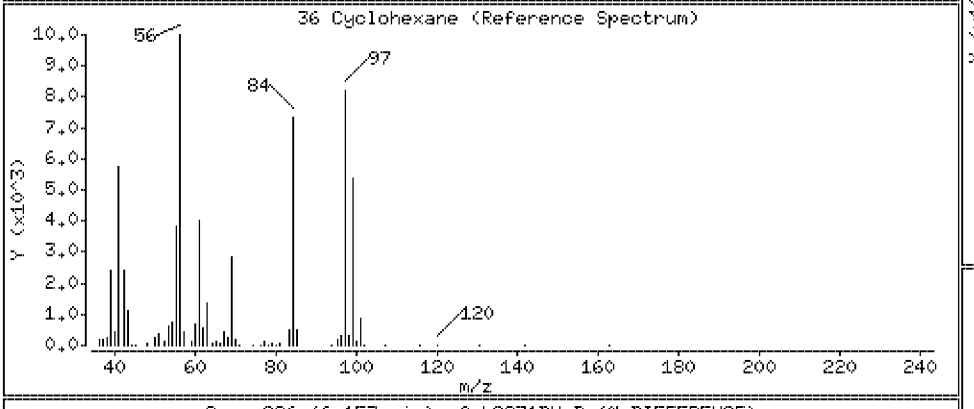
Column diameter: 0.18

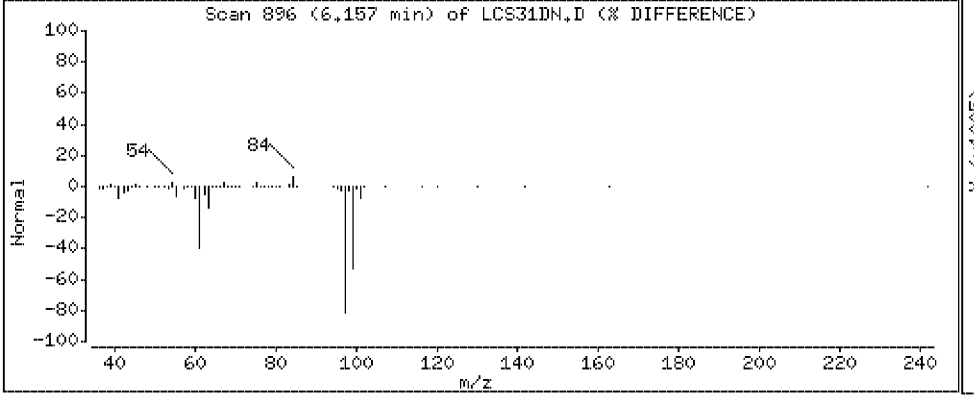
36 Cyclohexane

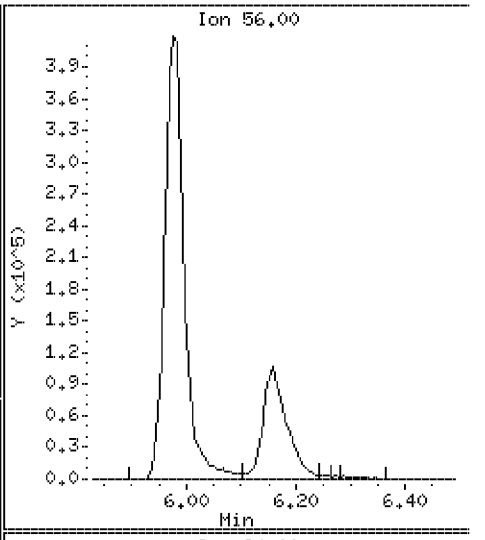
Concentration: 20.2 ug/l

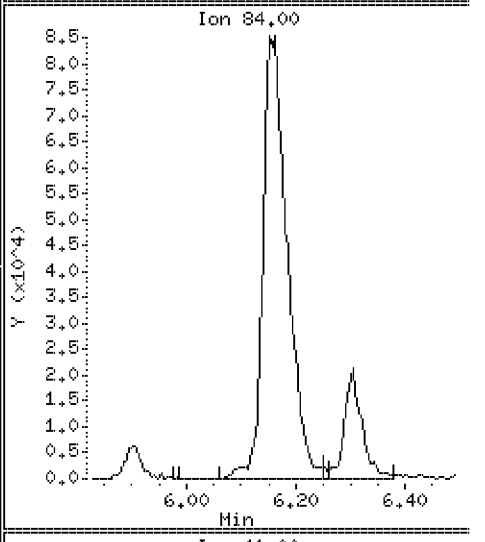


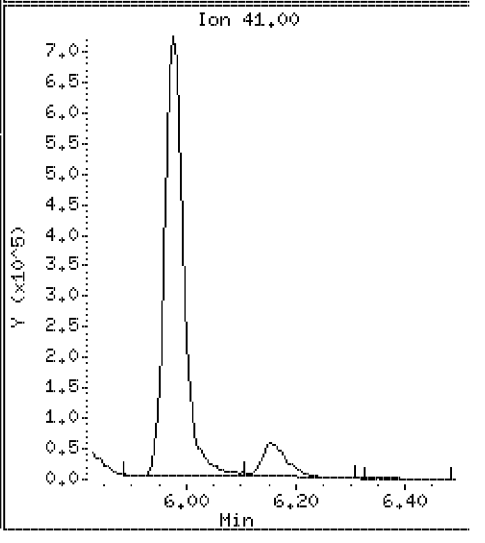












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

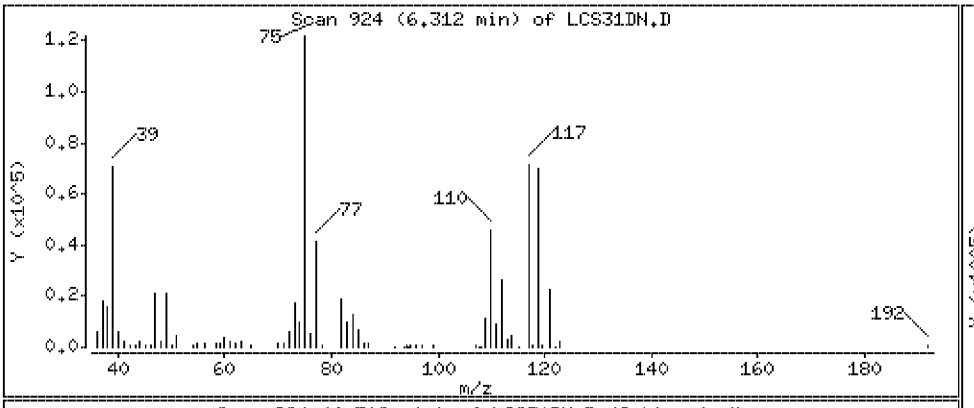
Operator:

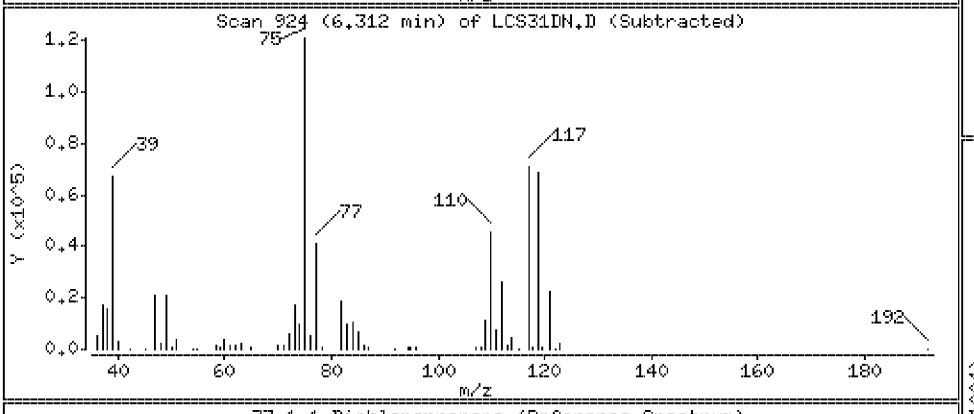
Column phase: RTX-502.2

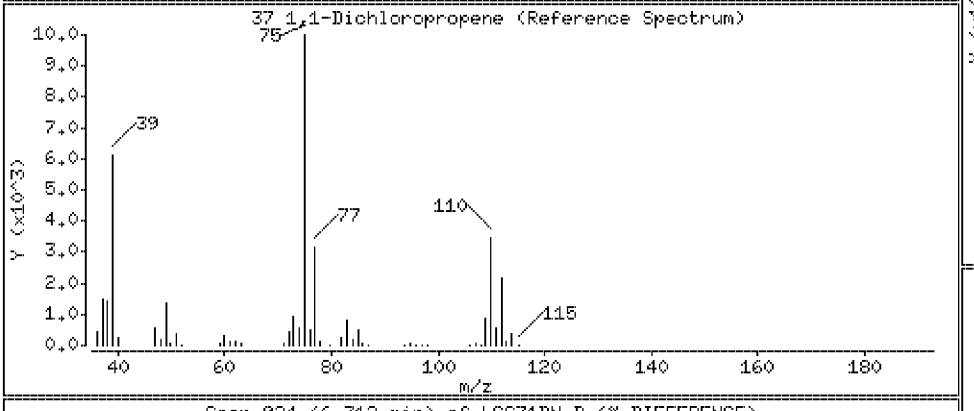
Column diameter: 0.18

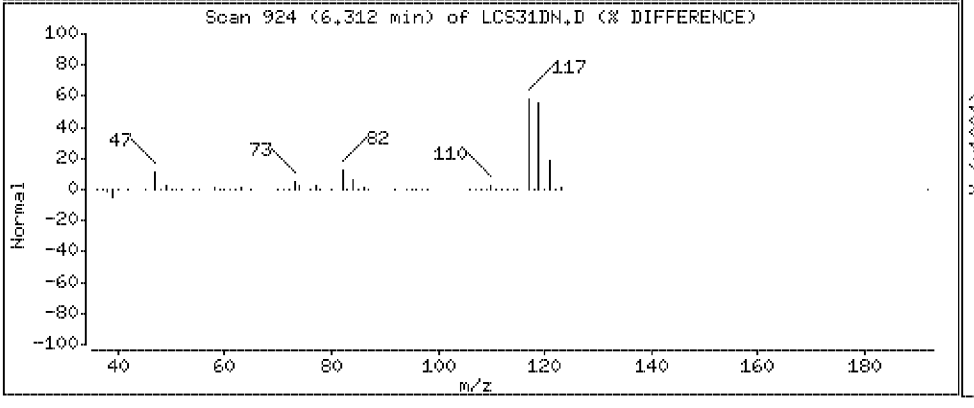
37 1,1-Dichloropropene

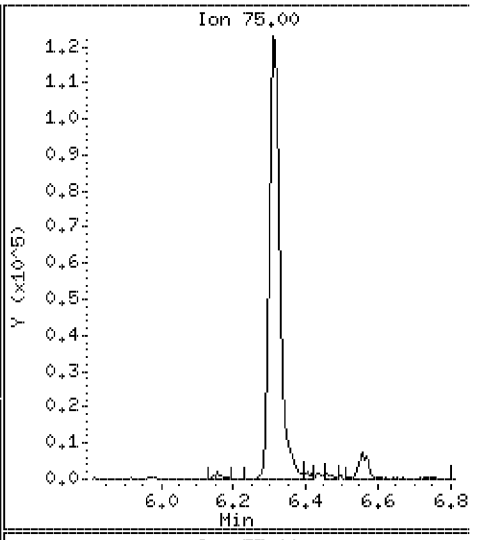
Concentration: 20.6 ug/l

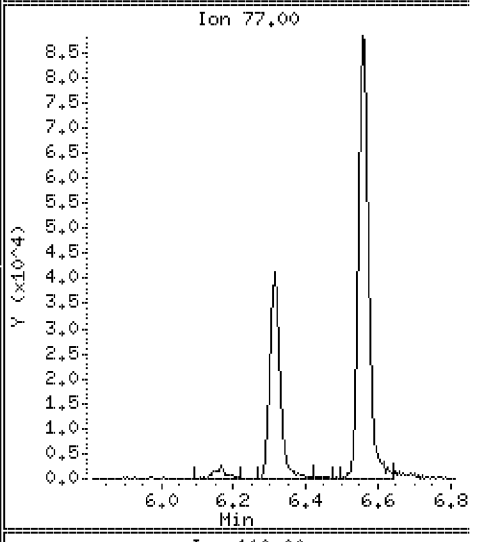


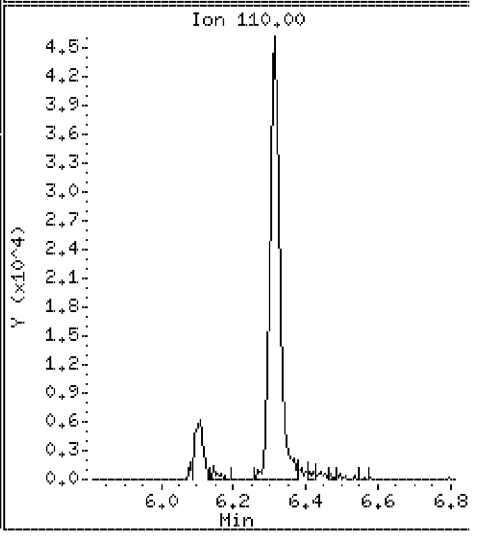












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

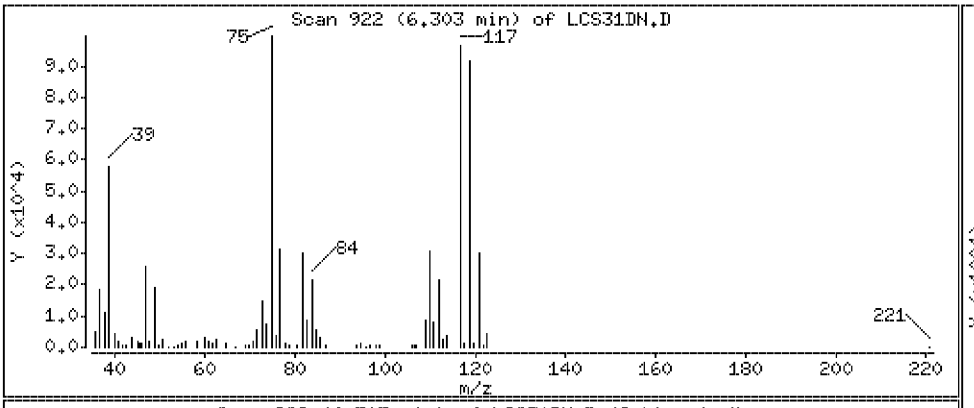
Operator:

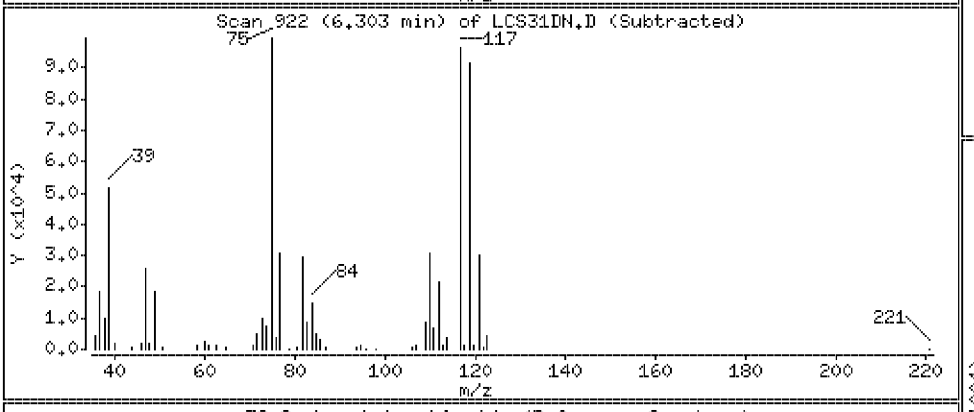
Column phase: RTX-502.2

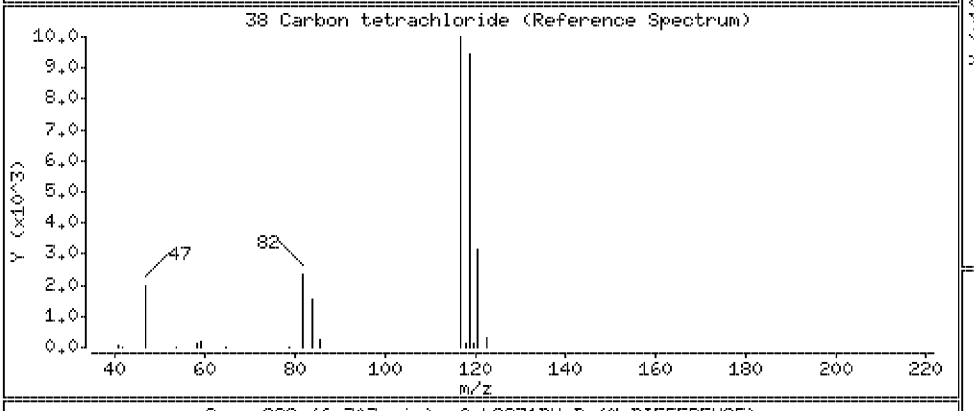
Column diameter: 0.18

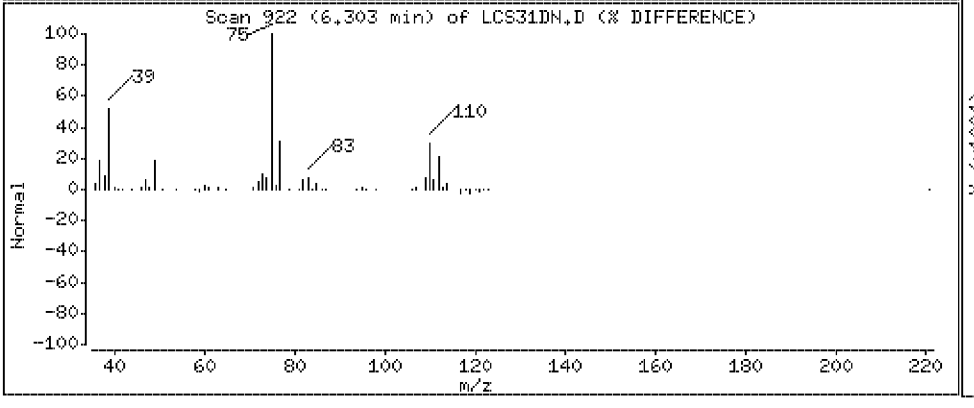
38 Carbon tetrachloride

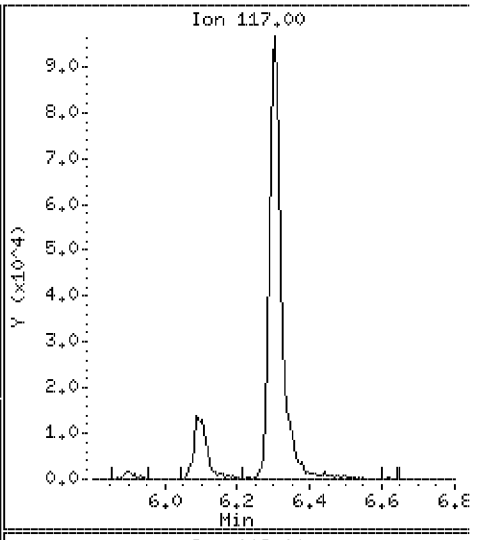
Concentration: 18.6 ug/l

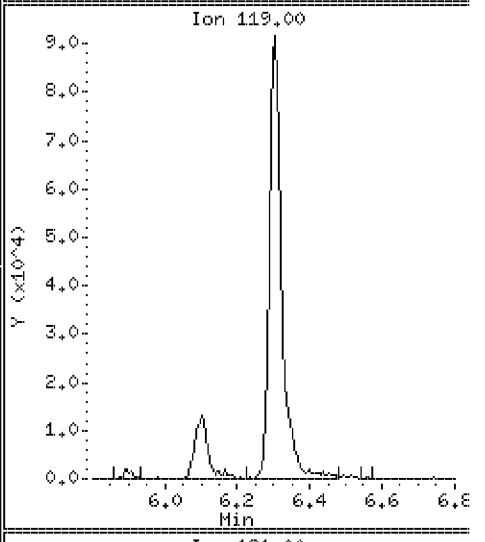


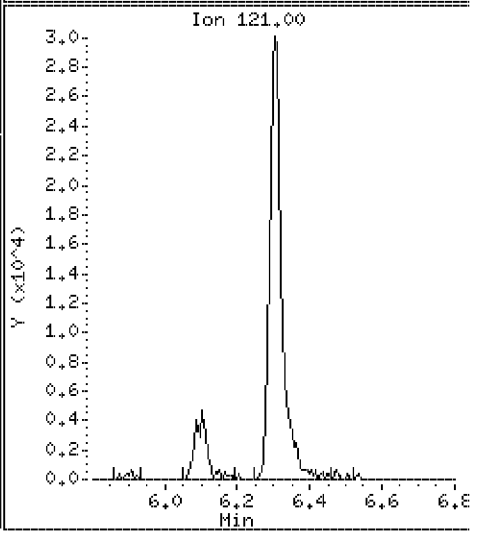












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

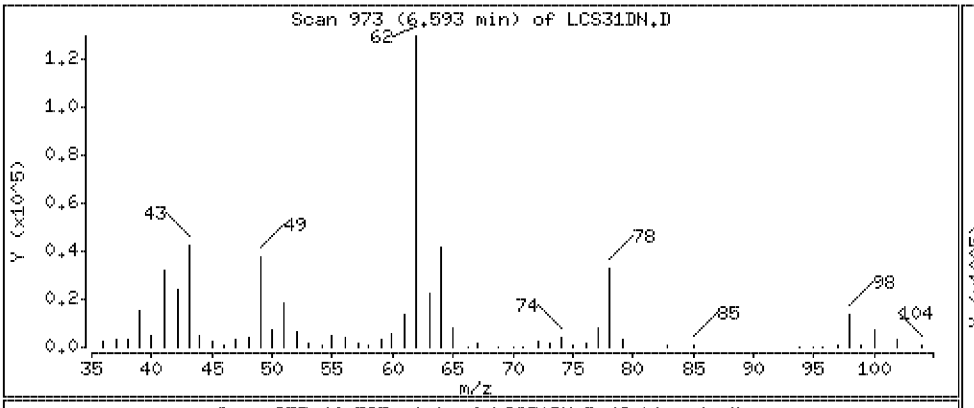
Operator:

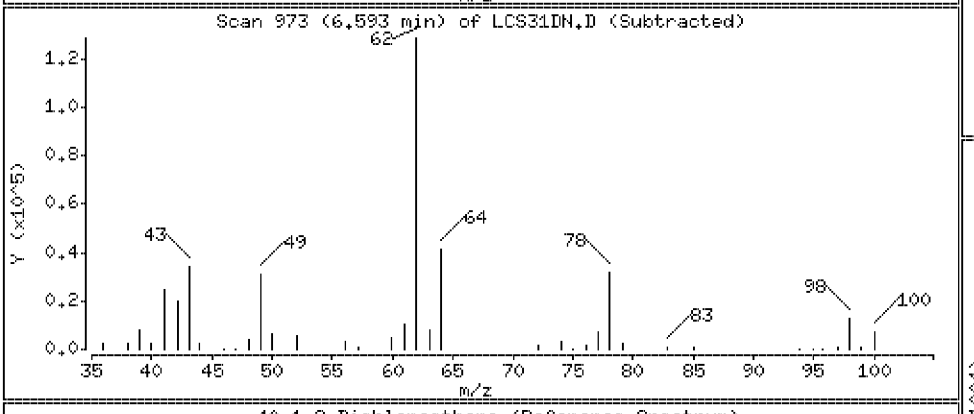
Column phase: RTX-502.2

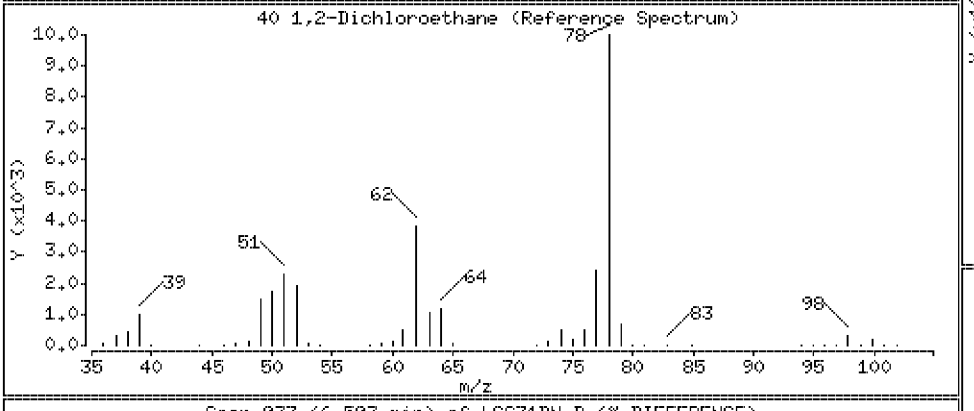
Column diameter: 0.18

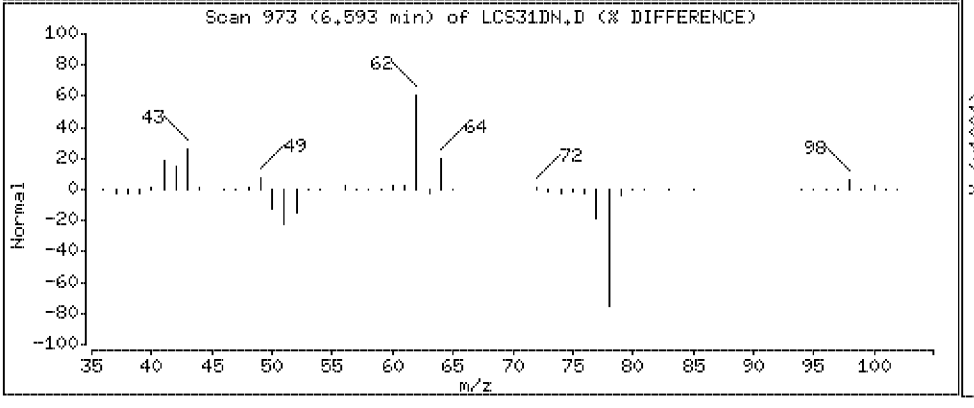
40 1,2-Dichloroethane

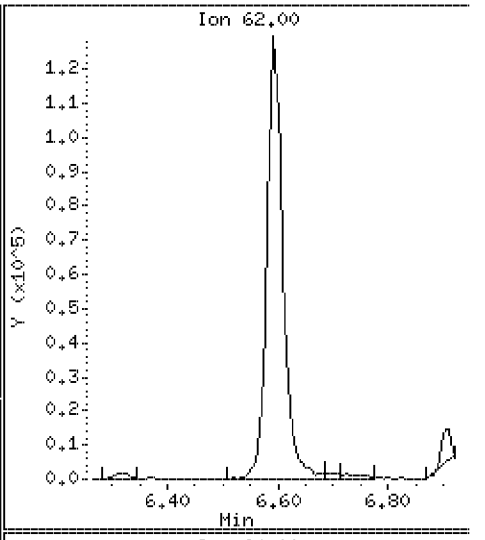
Concentration: 19.4 ug/l

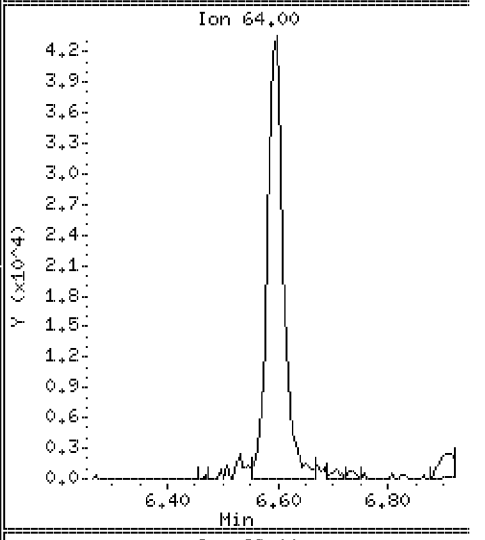


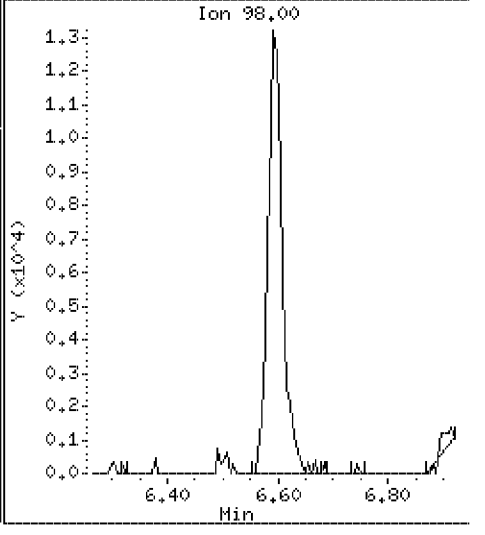












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

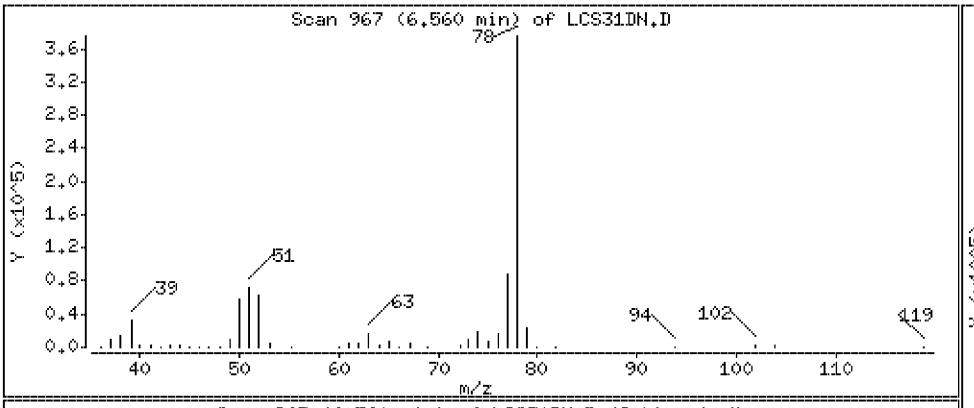
Operator:

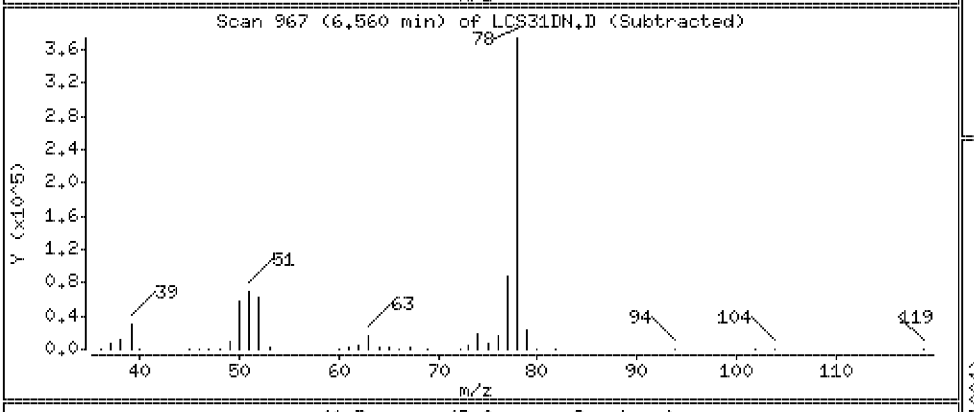
Column phase: RTX-502.2

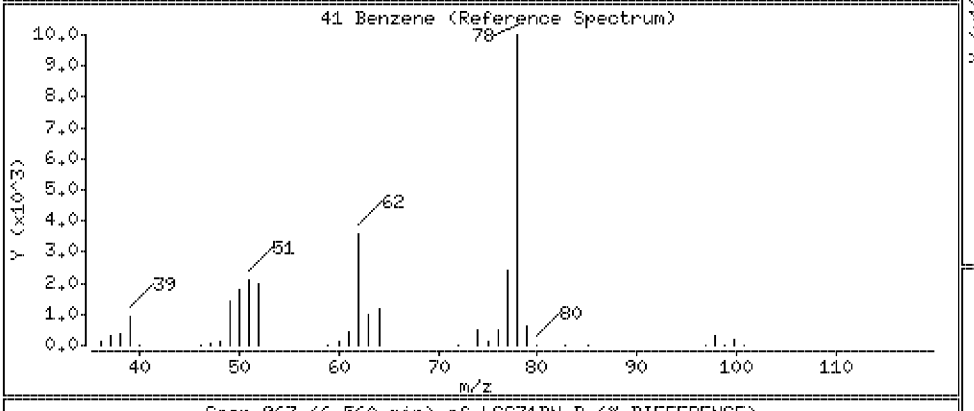
Column diameter: 0.18

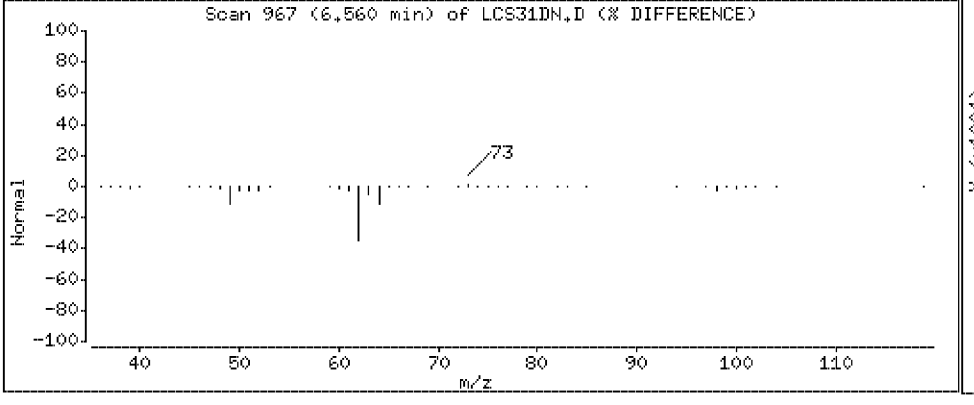
41 Benzene

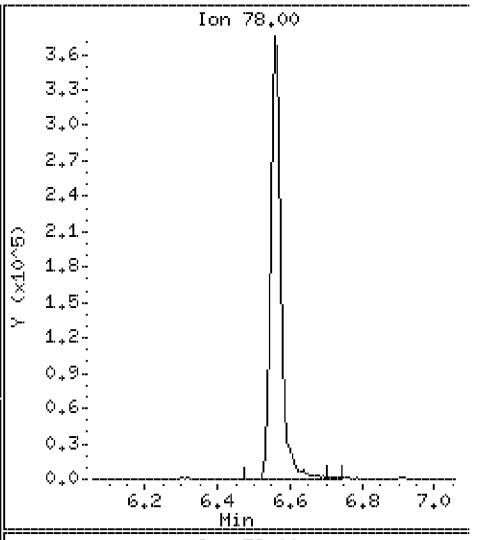
Concentration: 21.0 ug/l

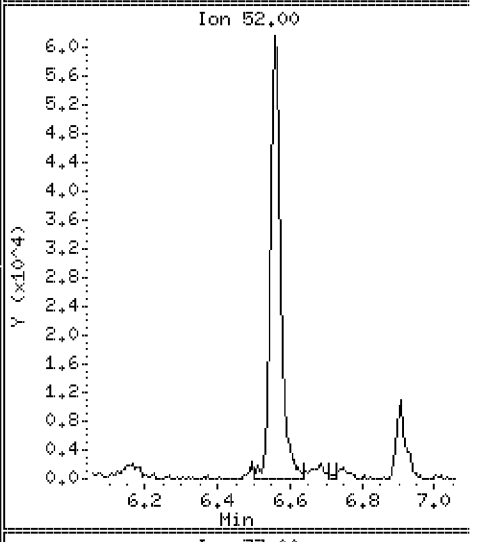


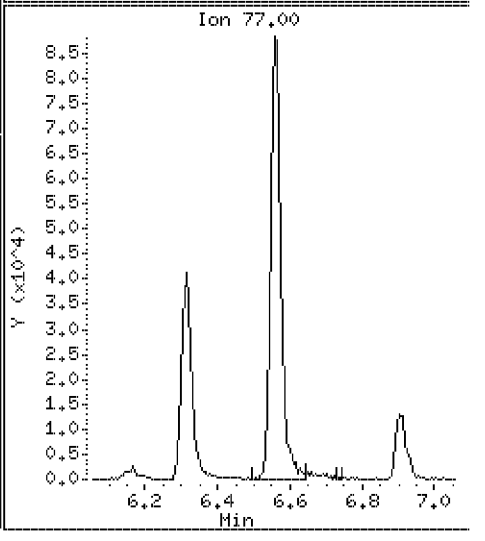












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

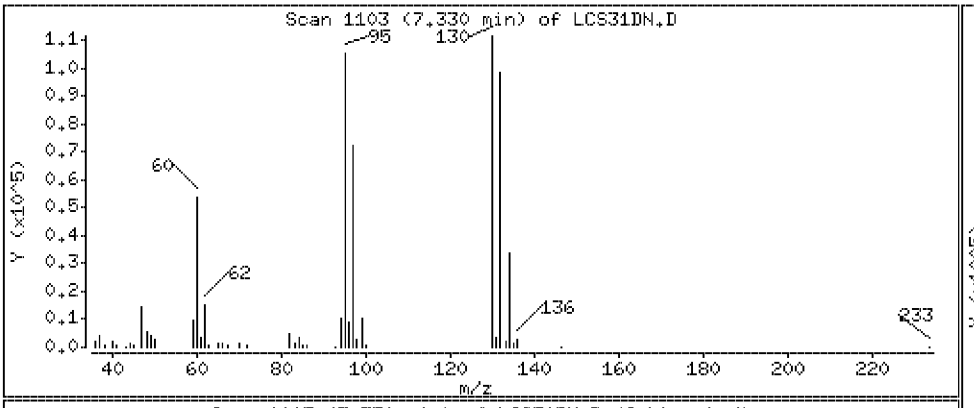
Operator:

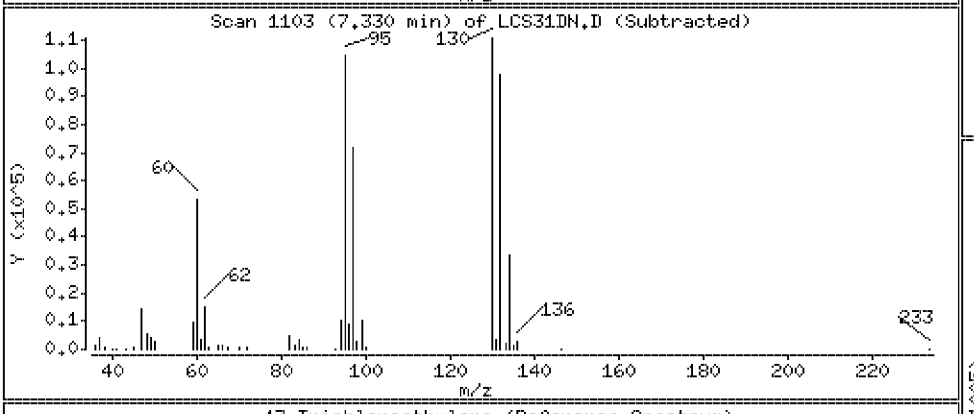
Column phase: RTX-502.2

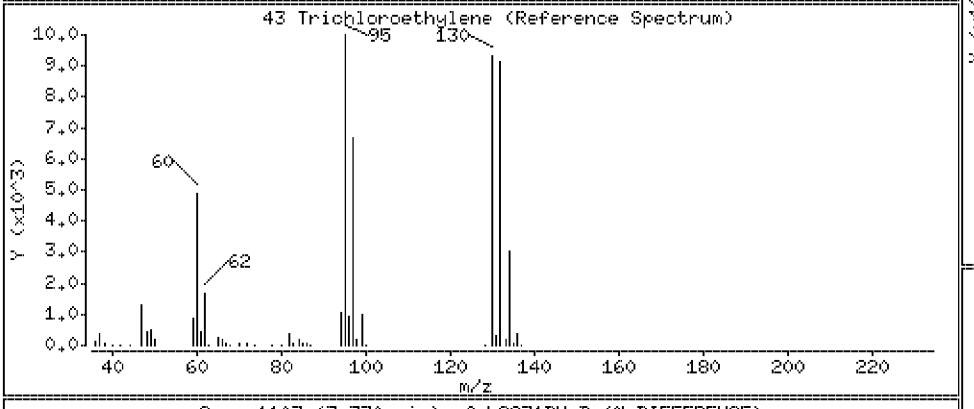
Column diameter: 0.18

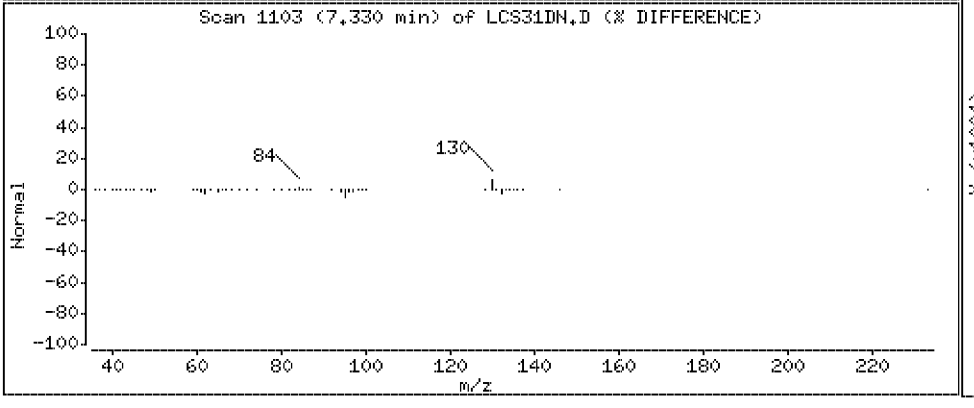
43 Trichloroethylene

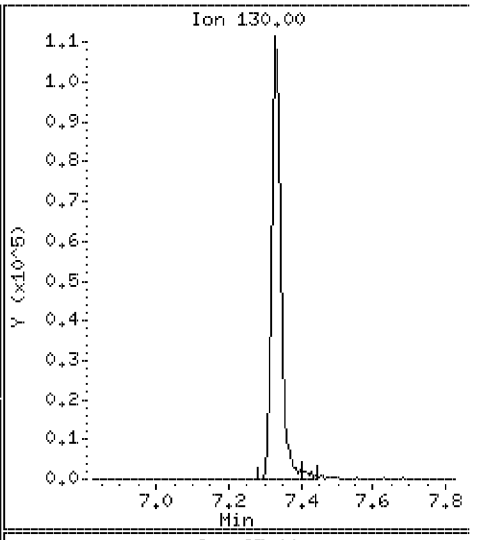
Concentration: 20.7 ug/l

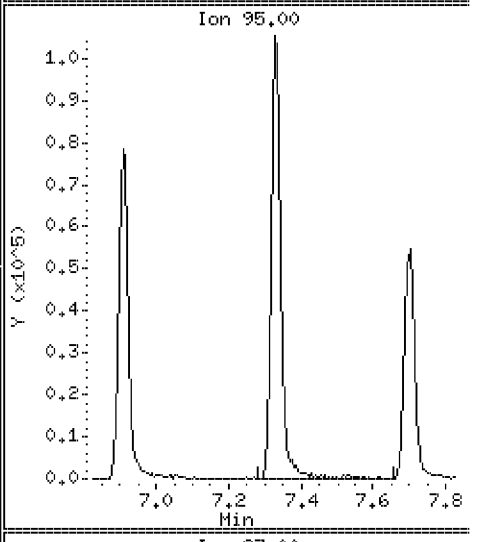


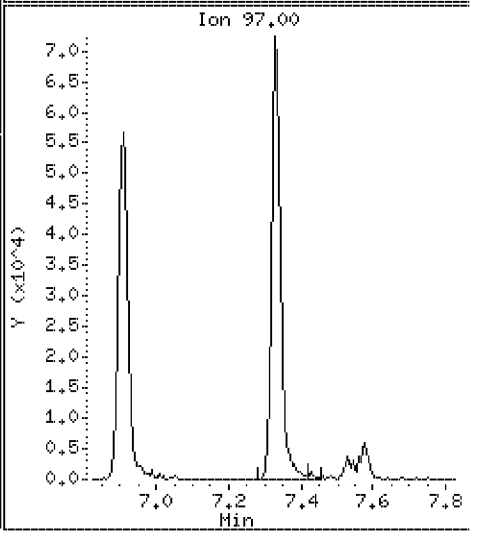












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

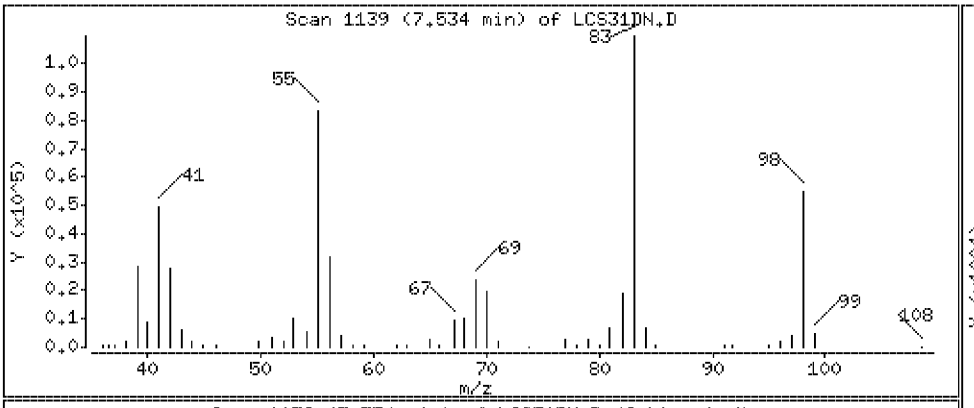
Operator:

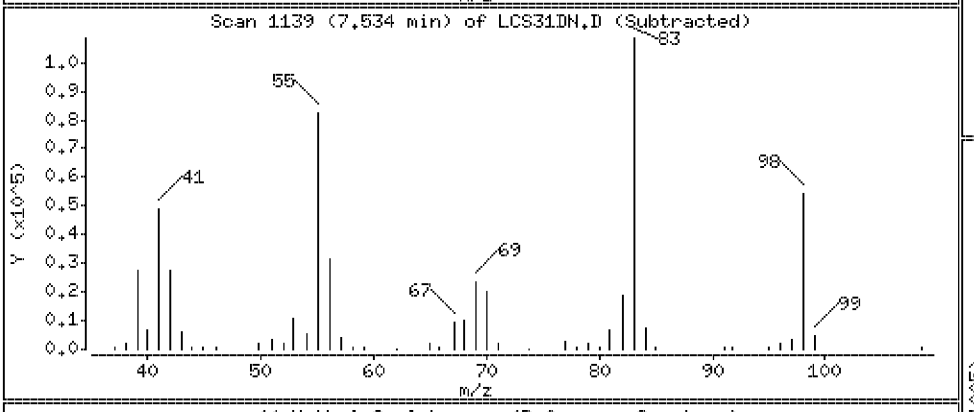
Column phase: RTX-502.2

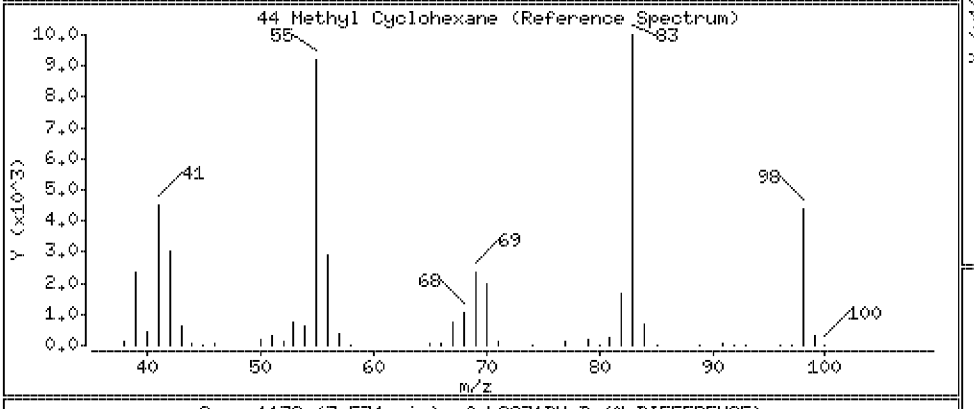
Column diameter: 0.18

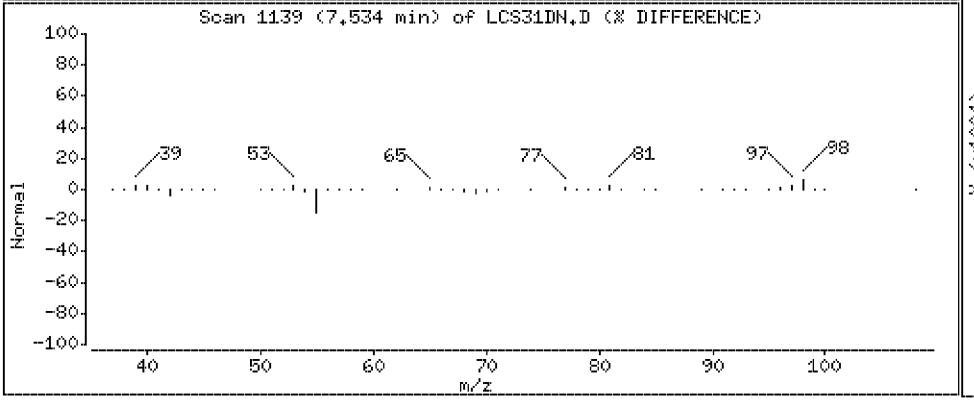
44 Methyl Cyclohexane

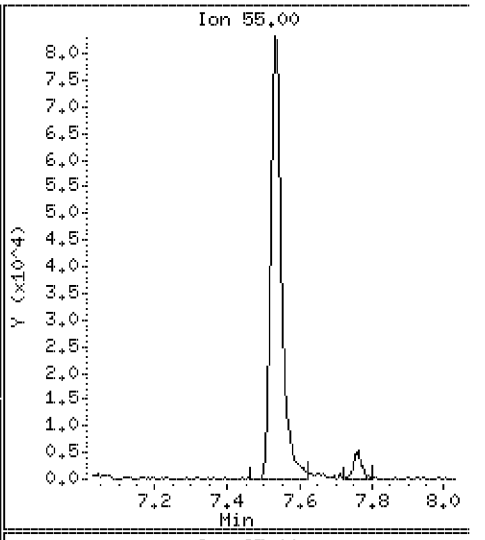
Concentration: 20.9 ug/l

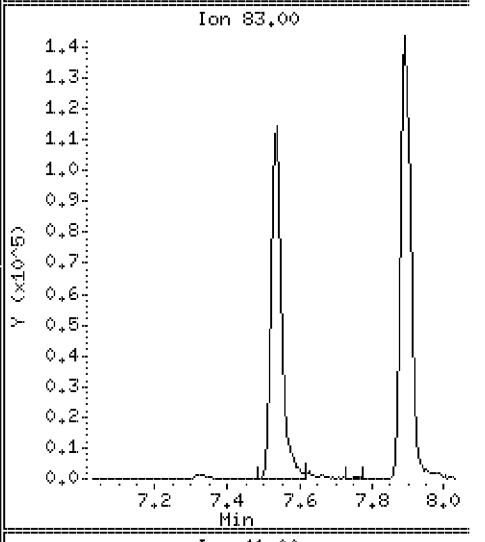


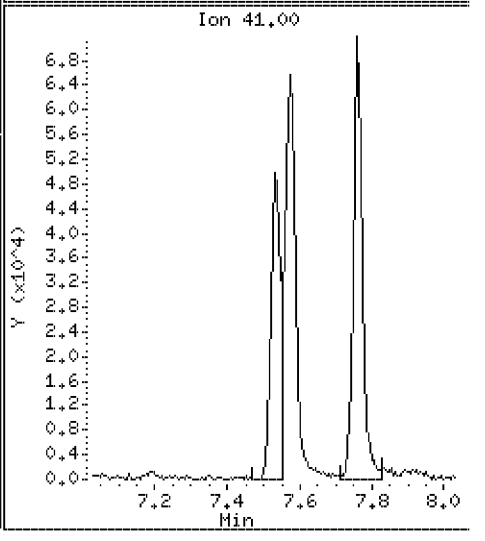












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

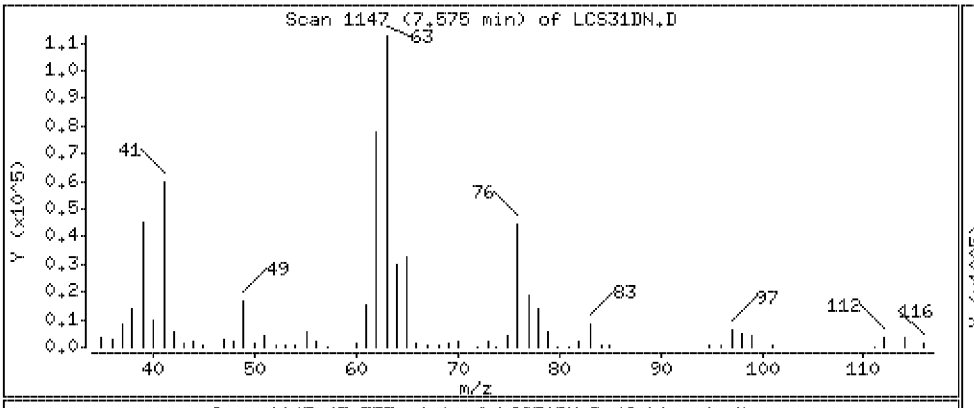
Operator:

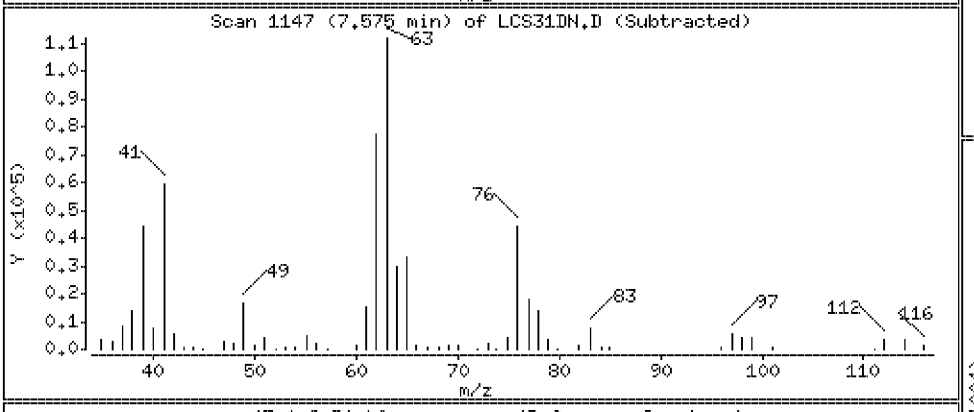
Column phase: RTX-502.2

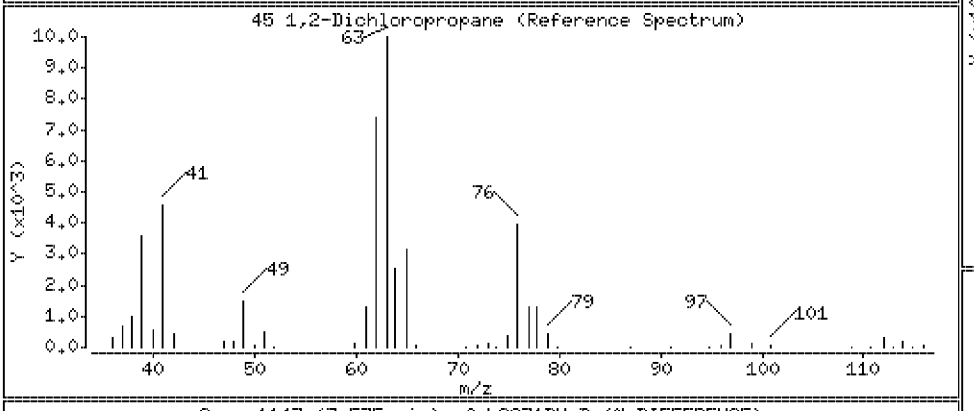
Column diameter: 0.18

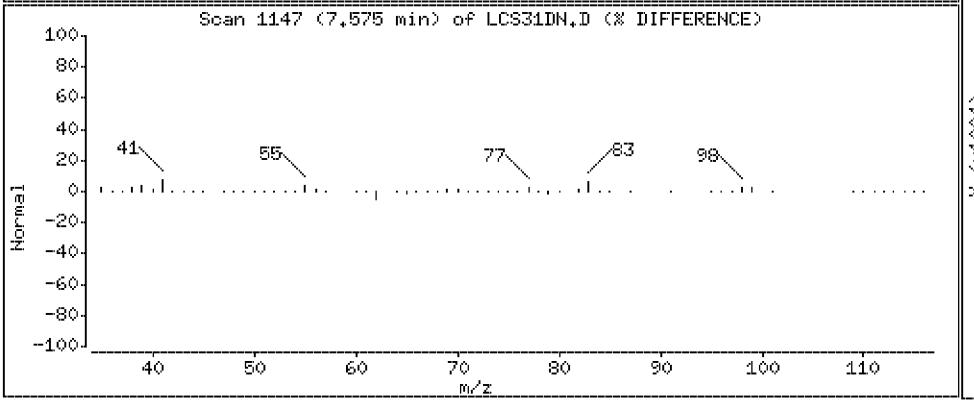
45 1,2-Dichloropropane

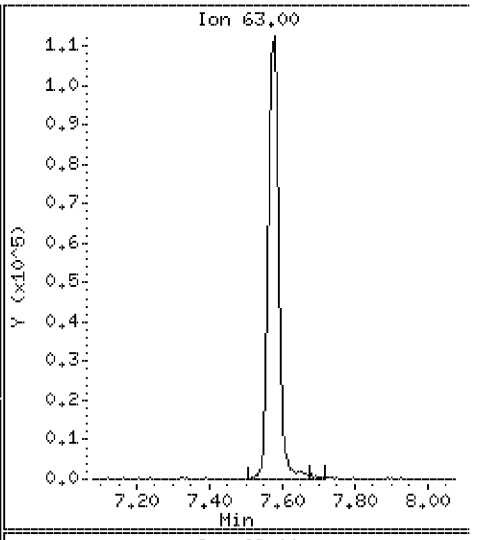
Concentration: 20.7 ug/l

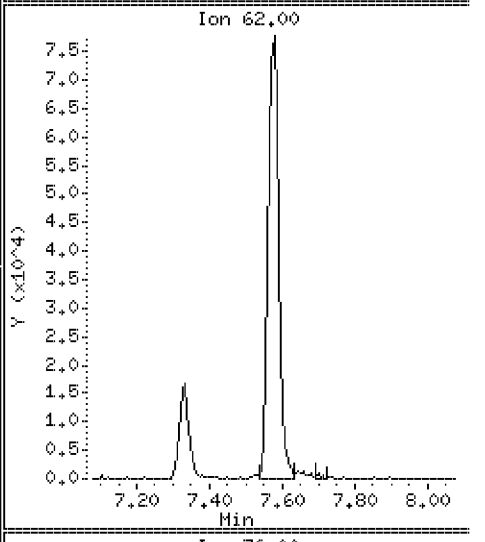


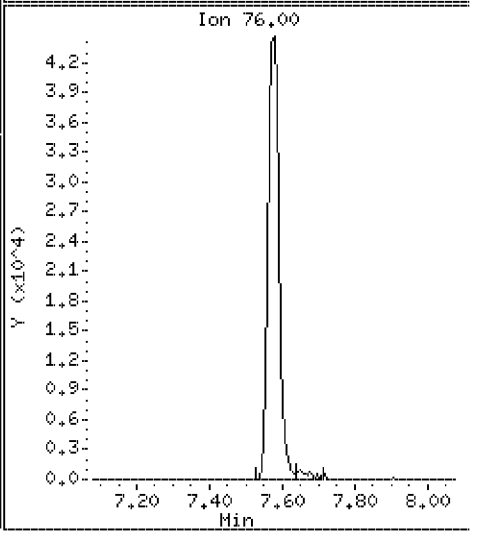












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

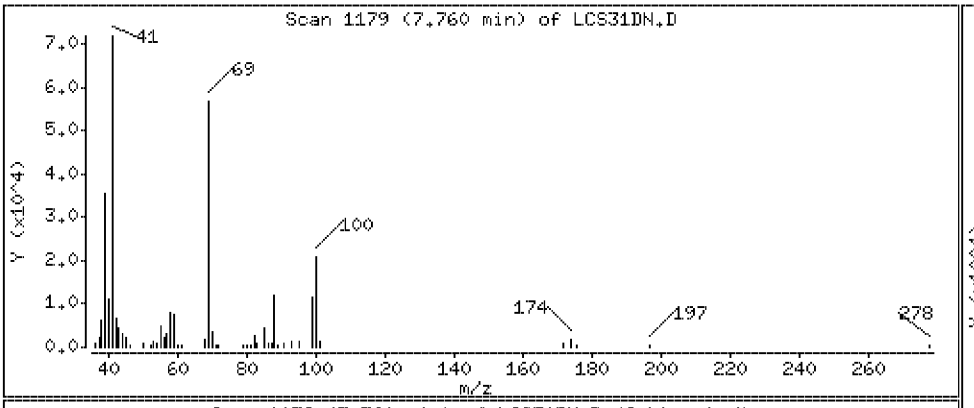
Operator:

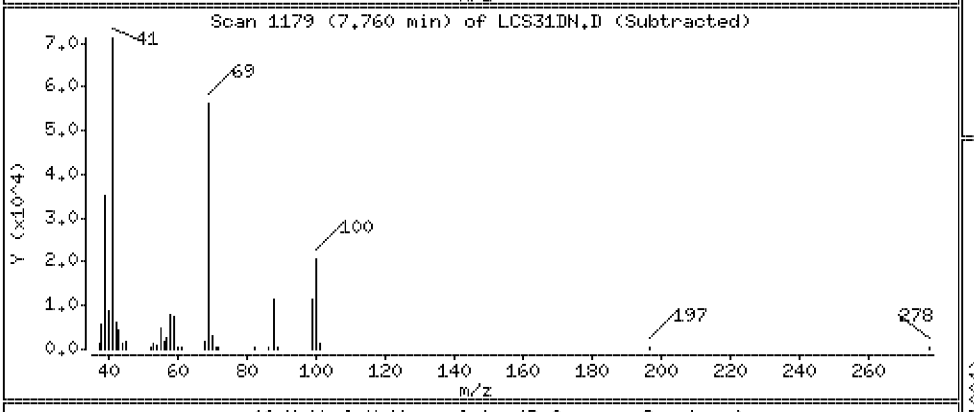
Column phase: RTX-502.2

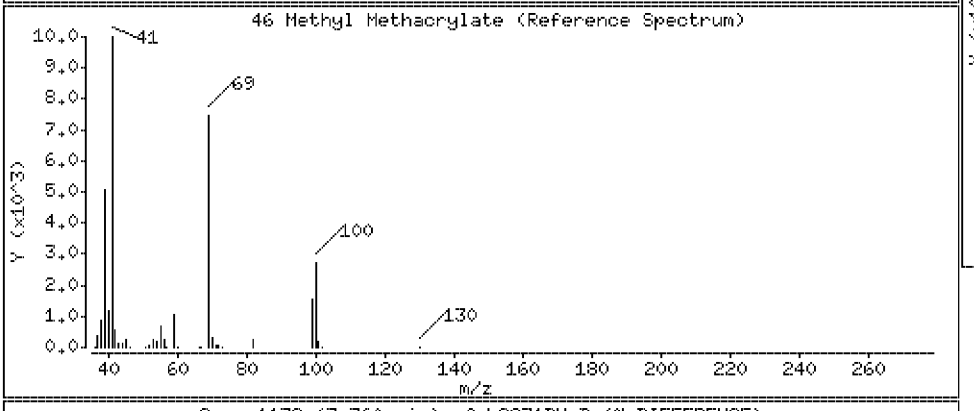
Column diameter: 0.18

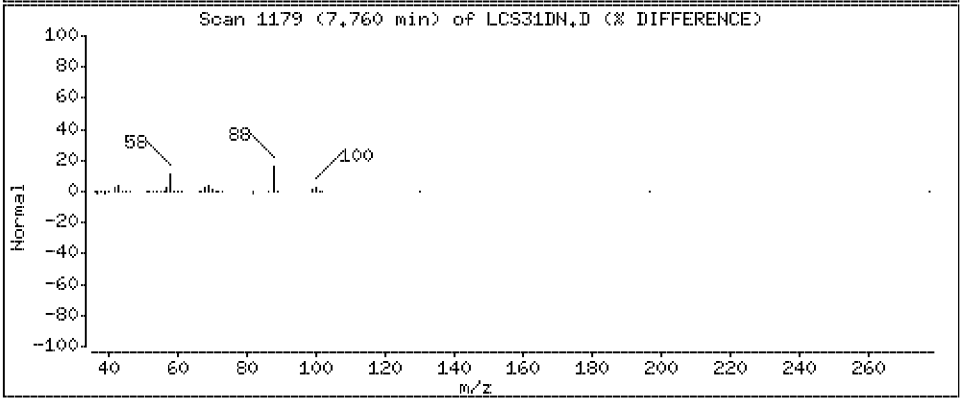
46 Methyl Methacrylate

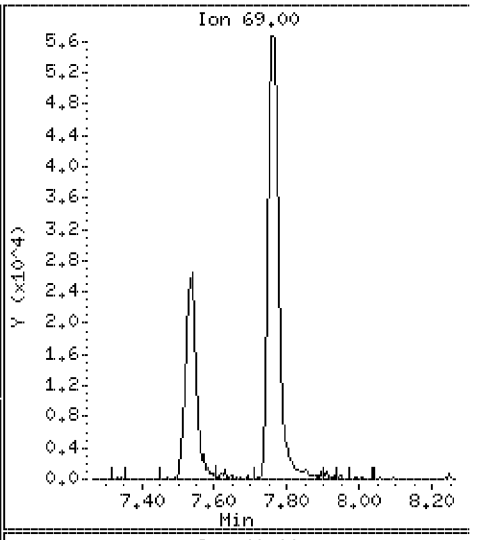
Concentration: 18.5 ug/l

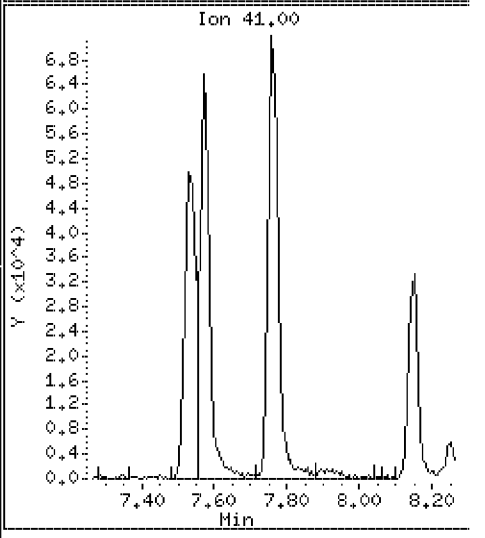












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

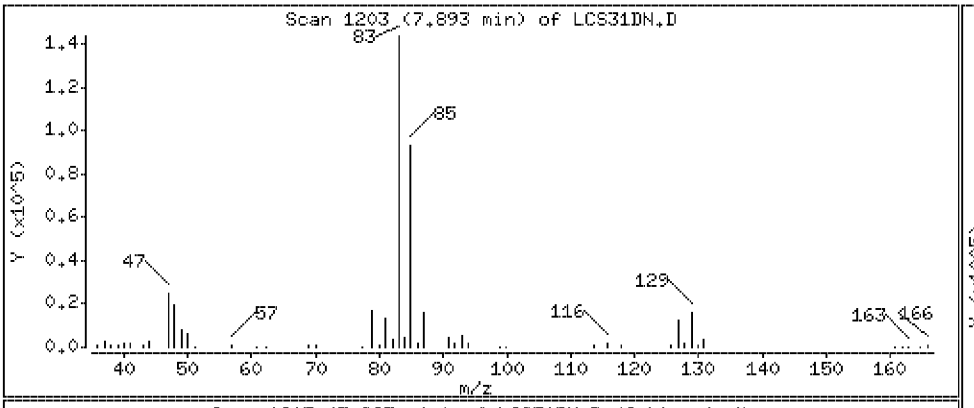
Operator:

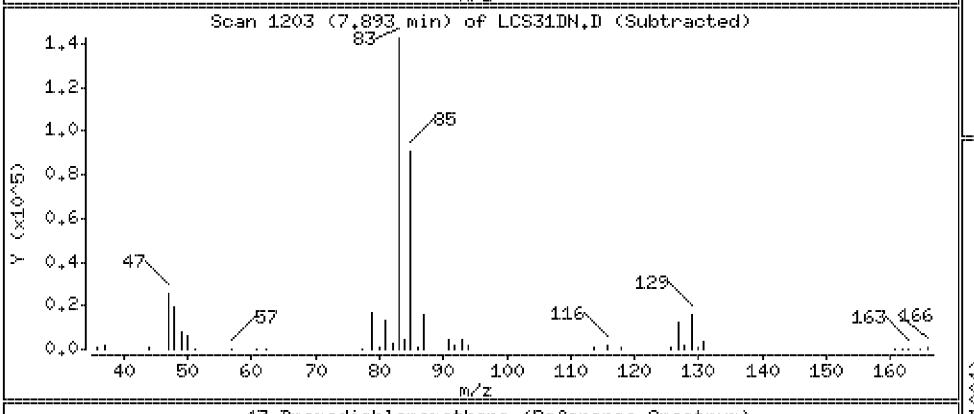
Column phase: RTX-502.2

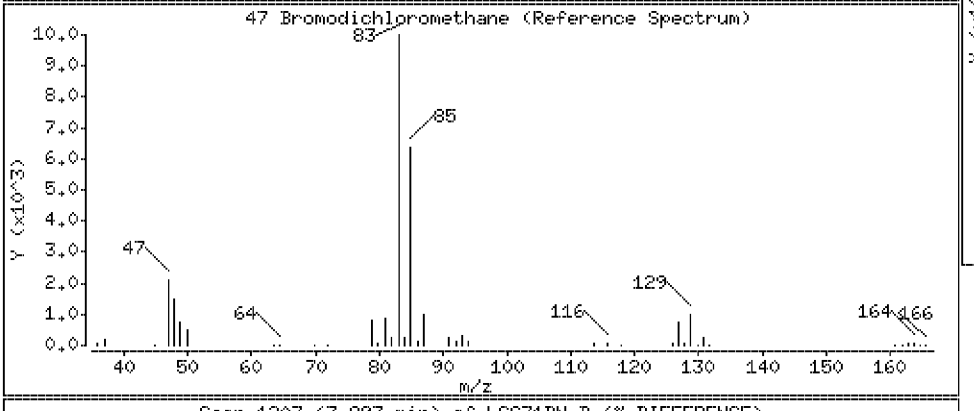
Column diameter: 0.18

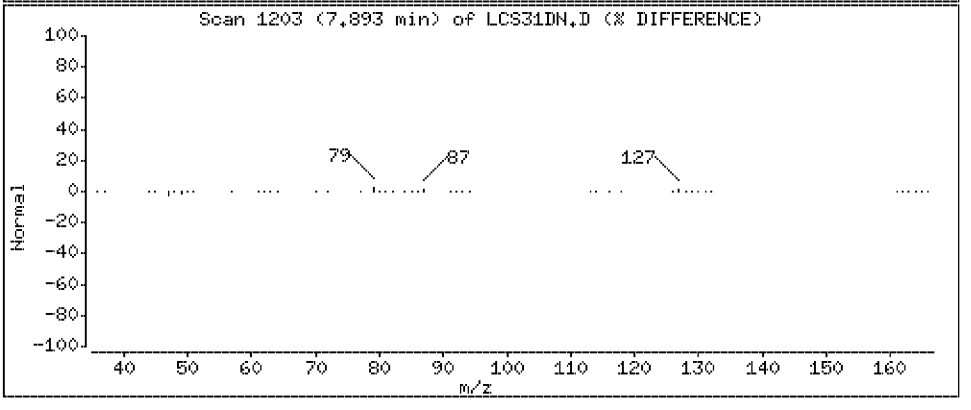
47 Bromodichloromethane

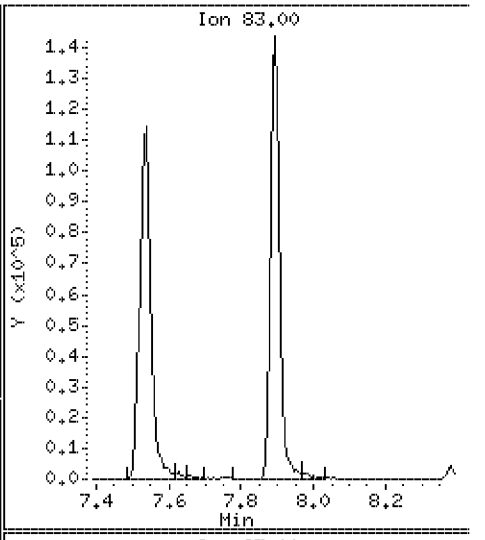
Concentration: 19.8 ug/l

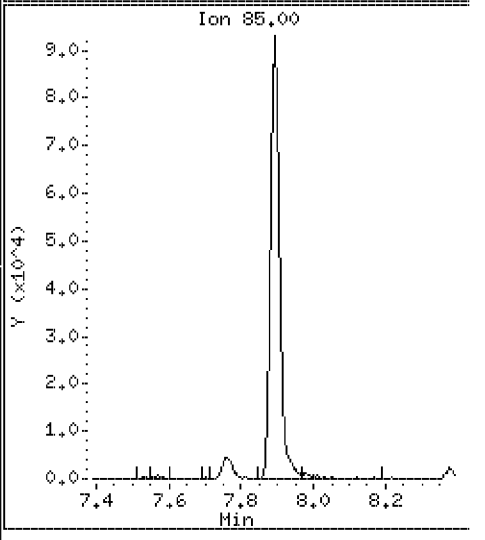












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

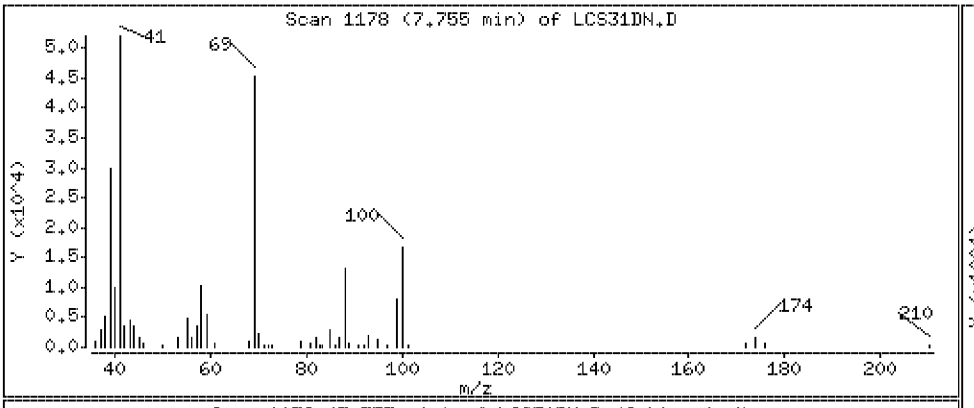
Operator:

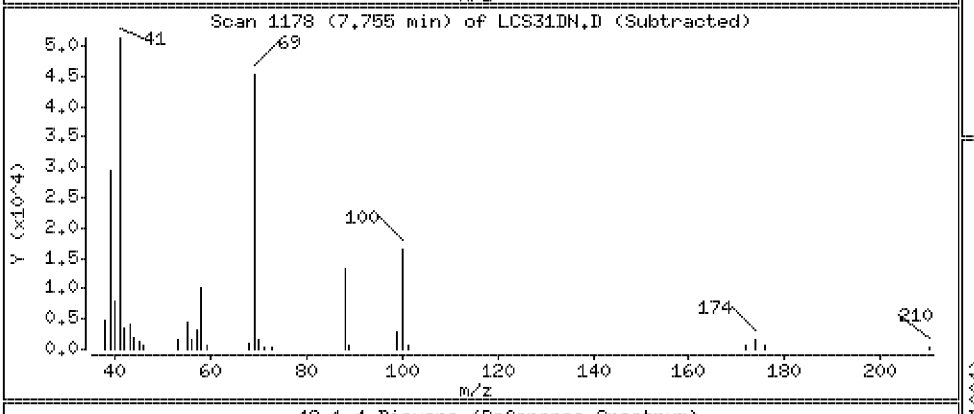
Column phase: RTX-502.2

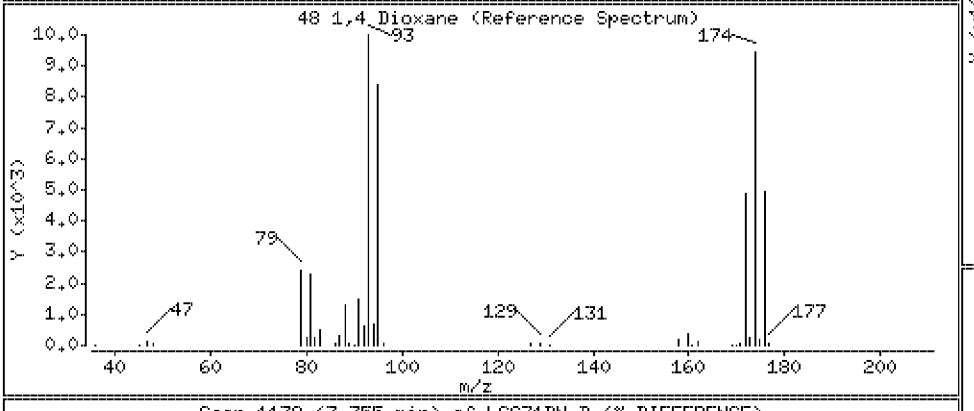
Column diameter: 0.18

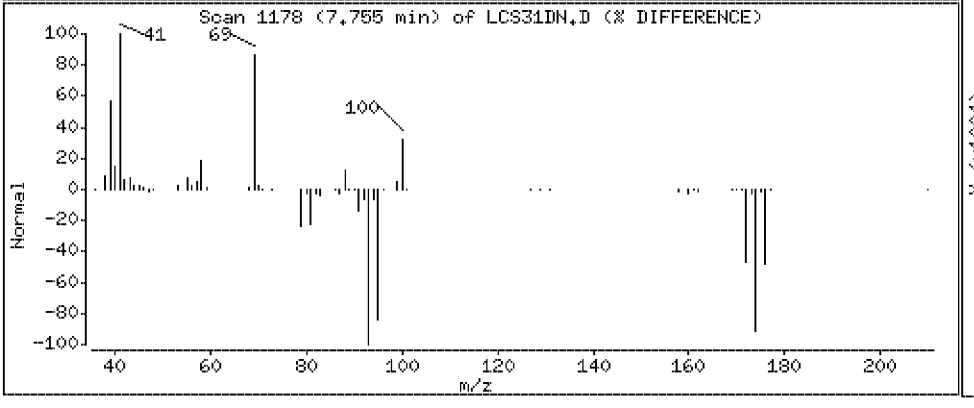
48 1,4 Dioxane

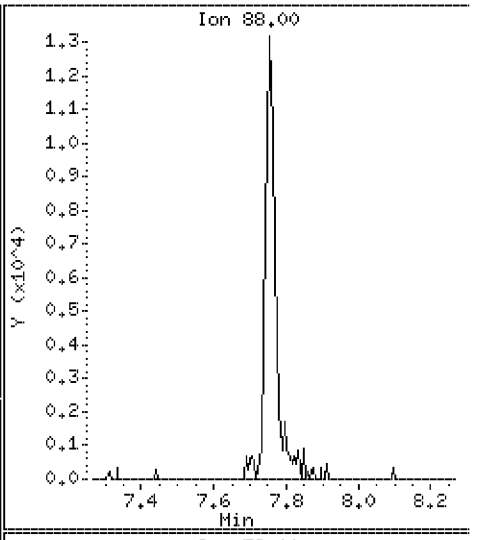
Concentration: 400 ug/l

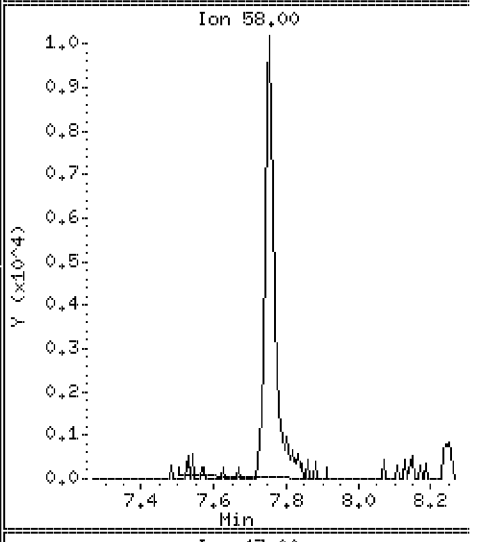


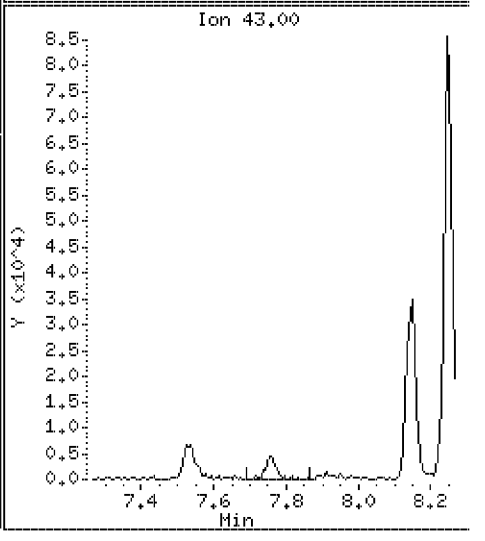












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

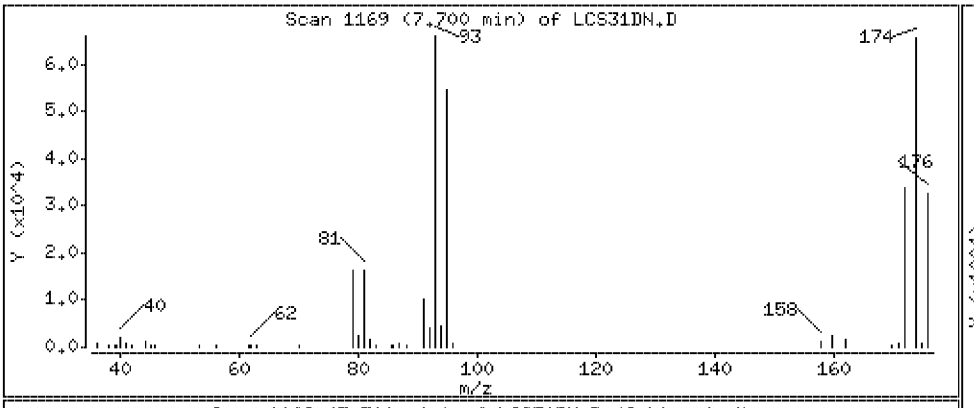
Operator:

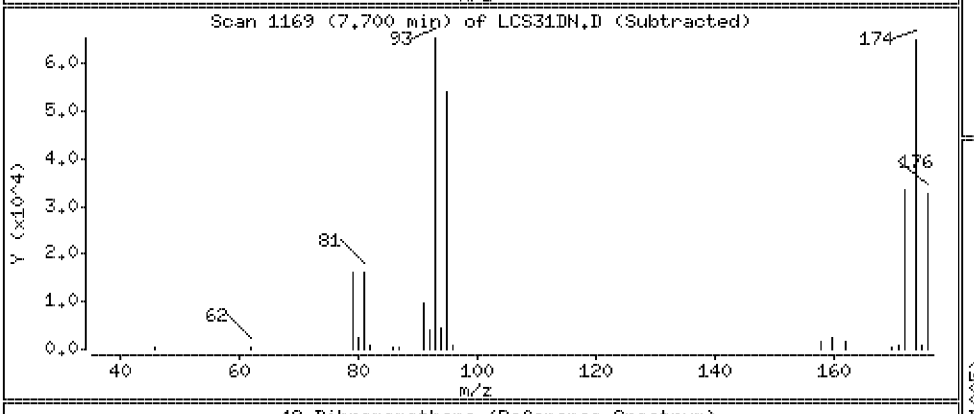
Column phase: RTX-502.2

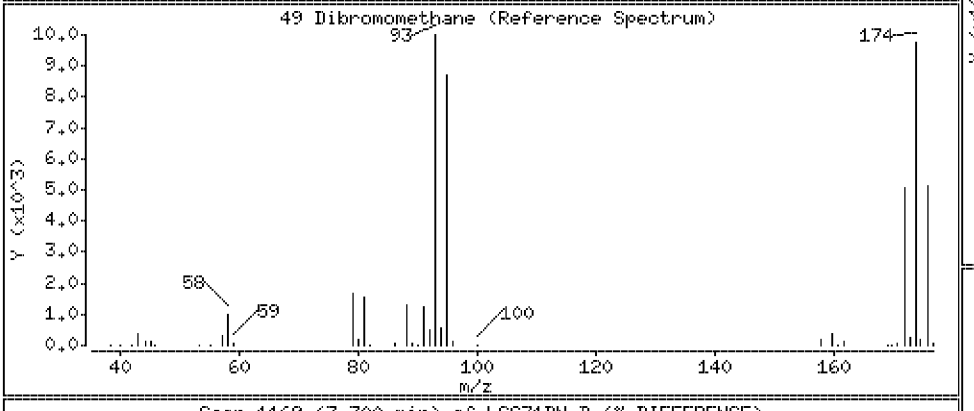
Column diameter: 0.18

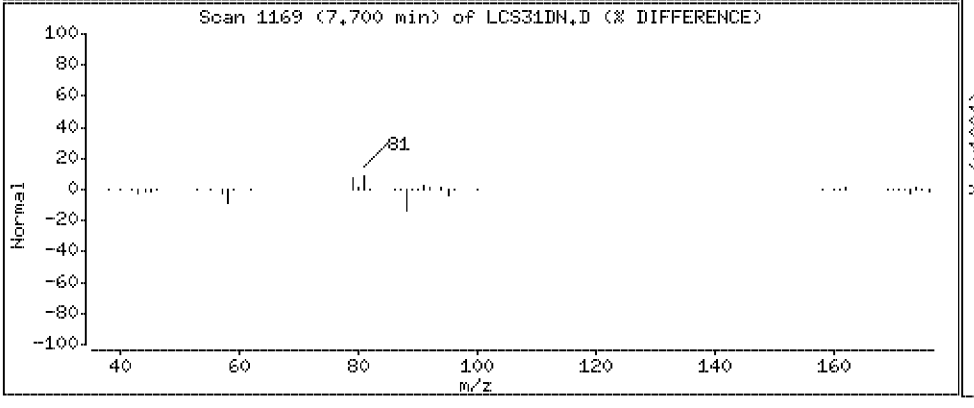
49 Dibromomethane

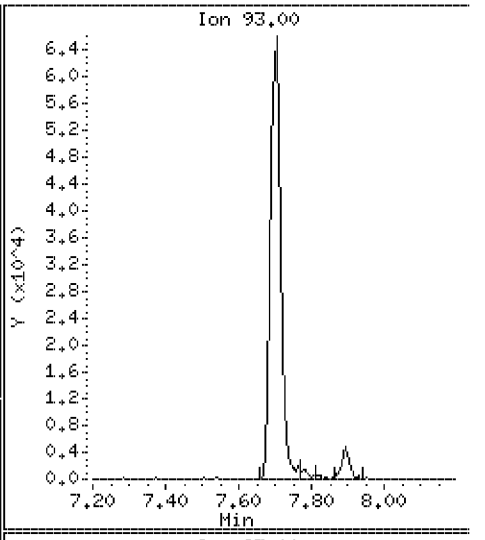
Concentration: 19.6 ug/l

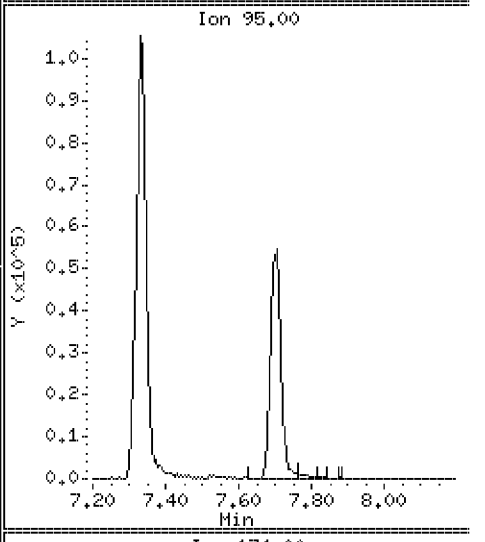


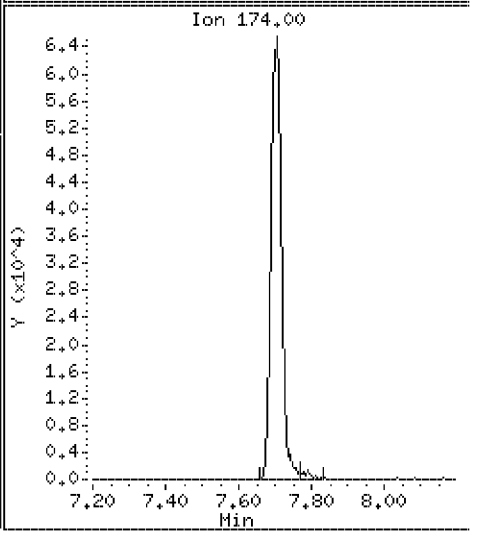












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

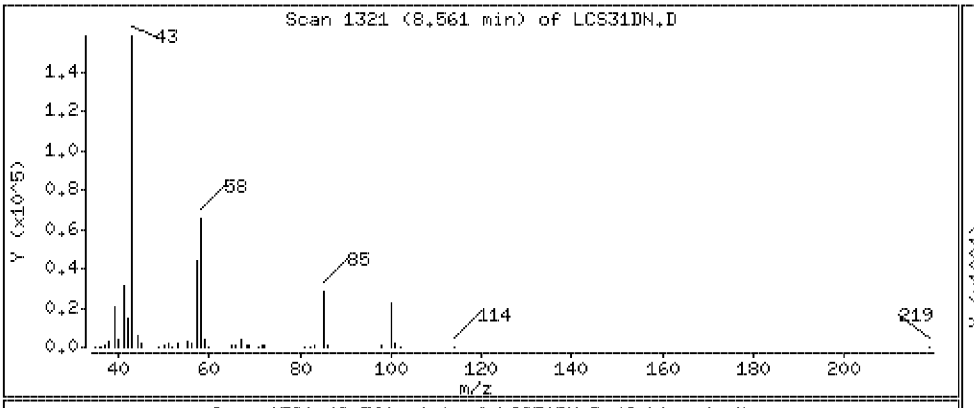
Operator:

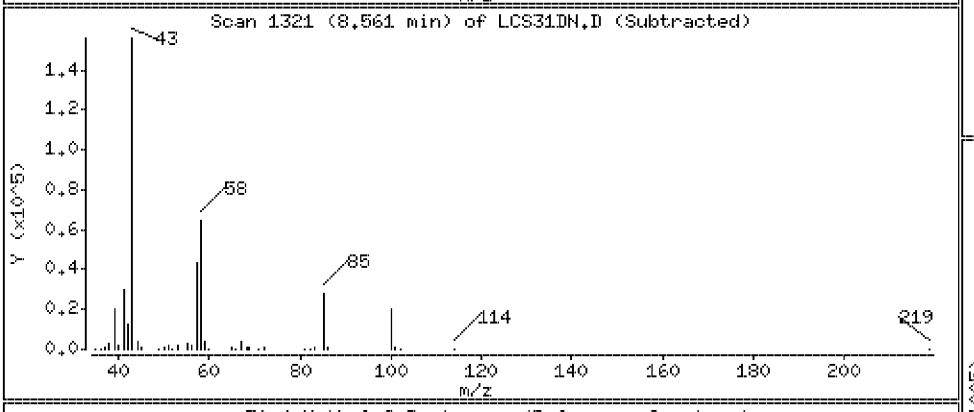
Column phase: RTX-502.2

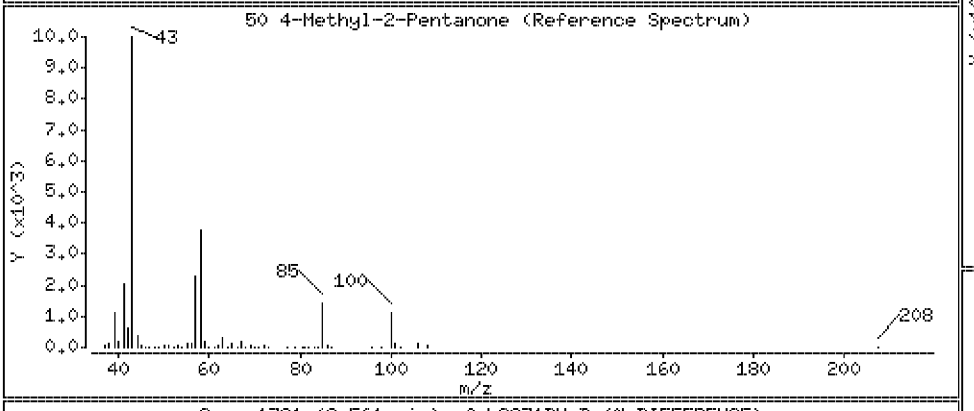
Column diameter: 0.18

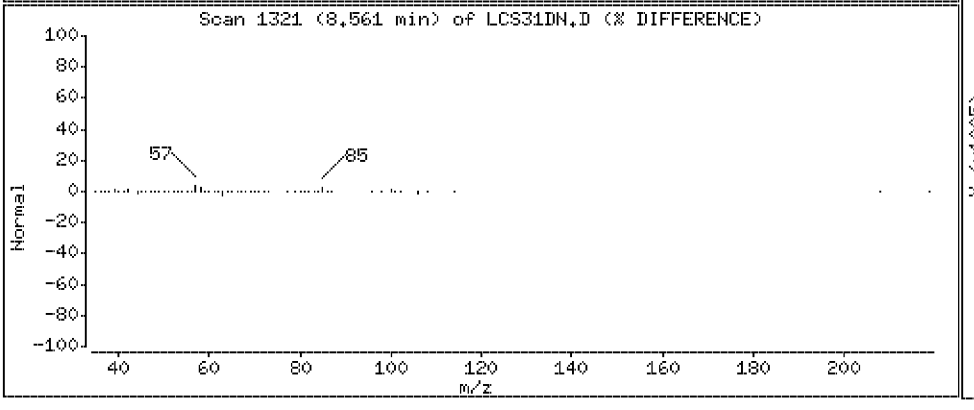
50 4-Methyl-2-Pentanone

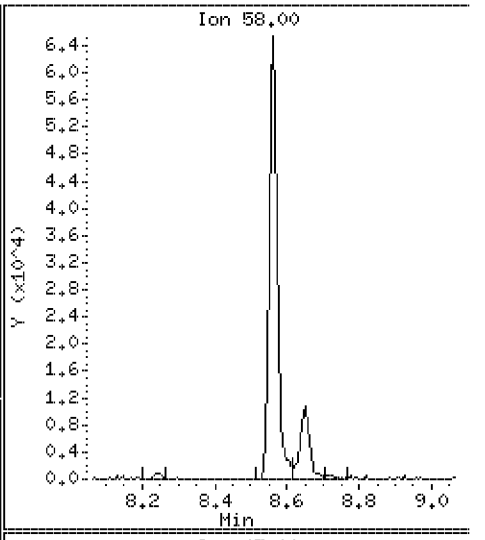
Concentration: 39.2 ug/l

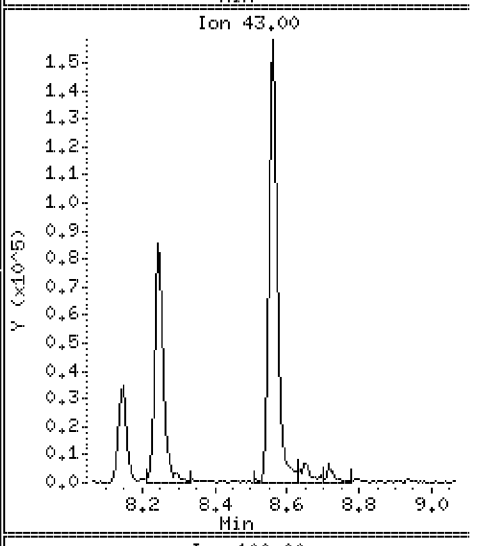


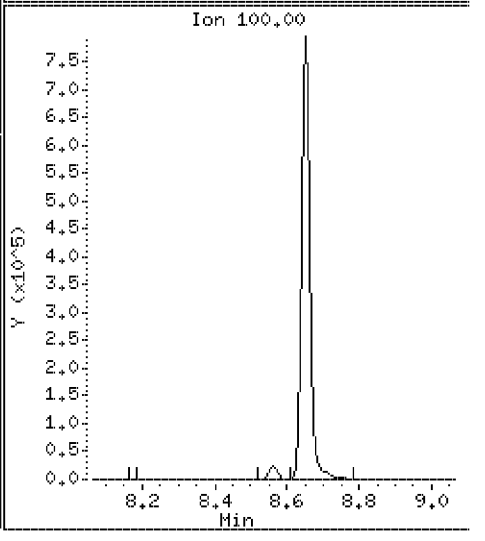












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

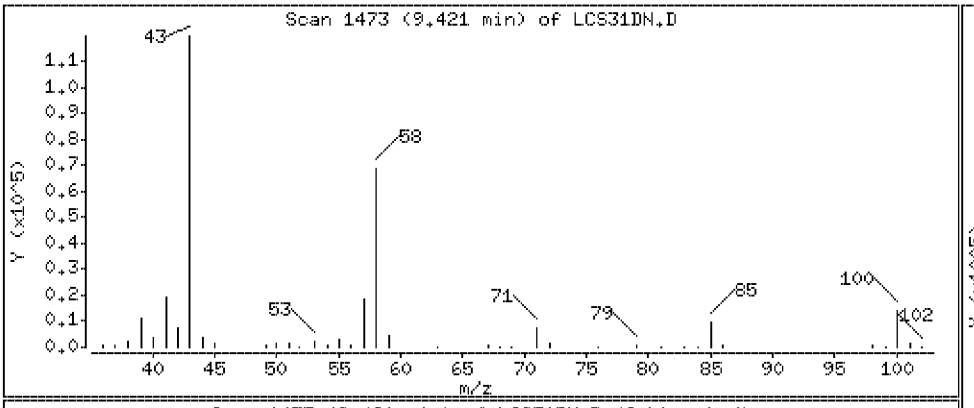
Operator:

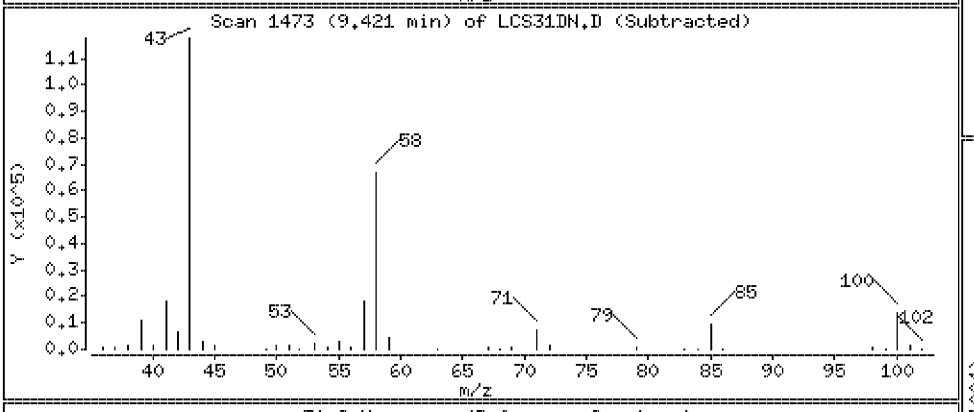
Column phase: RTX-502.2

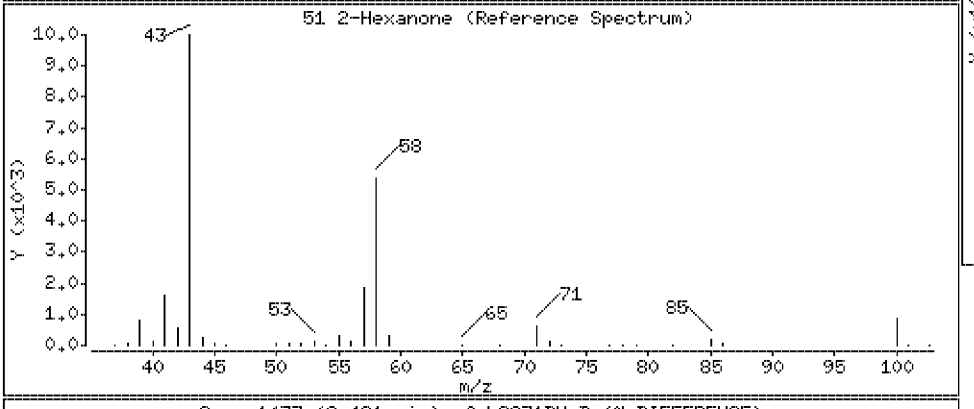
Column diameter: 0.18

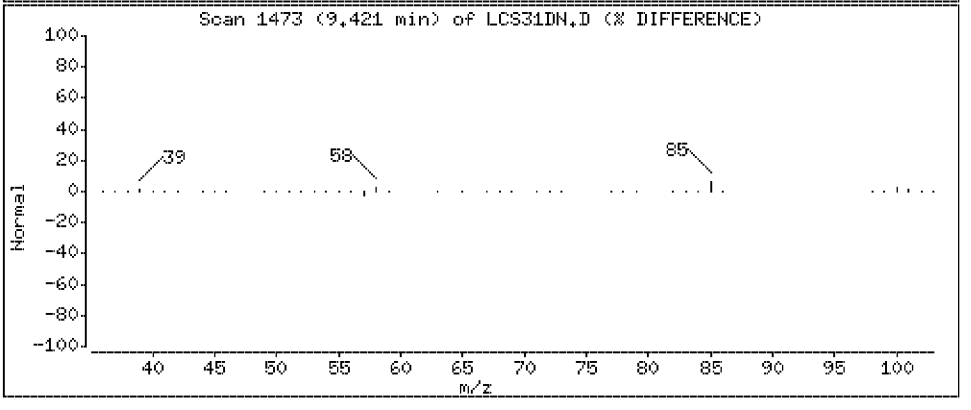
51 2-Hexanone

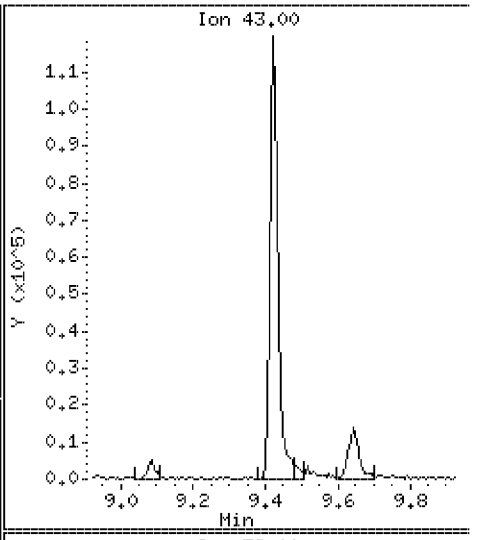
Concentration: 39.6 ug/l

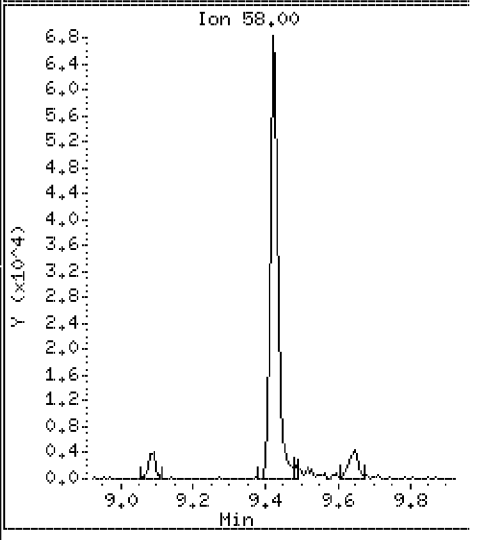












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

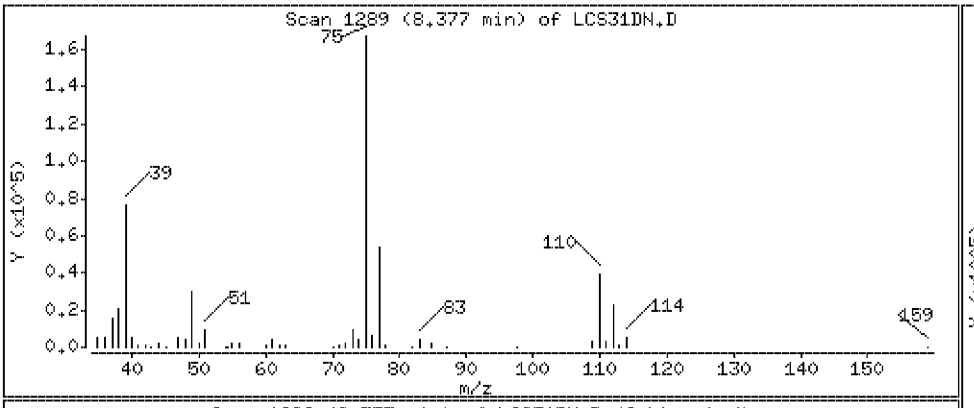
Operator:

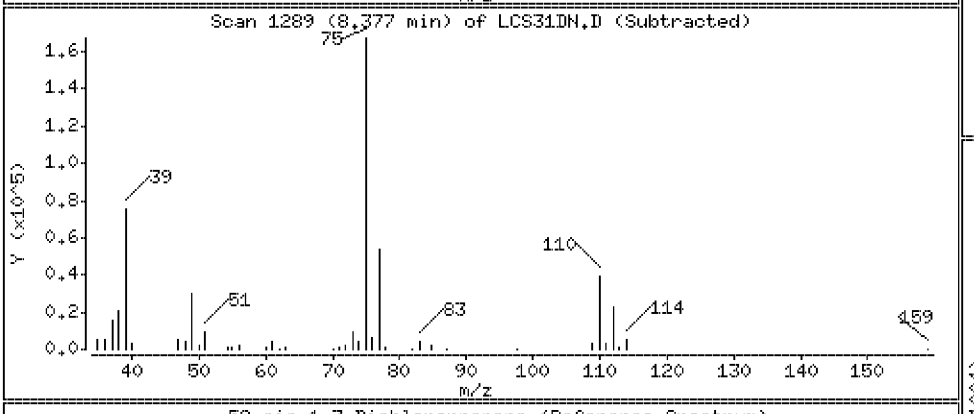
Column phase: RTX-502.2

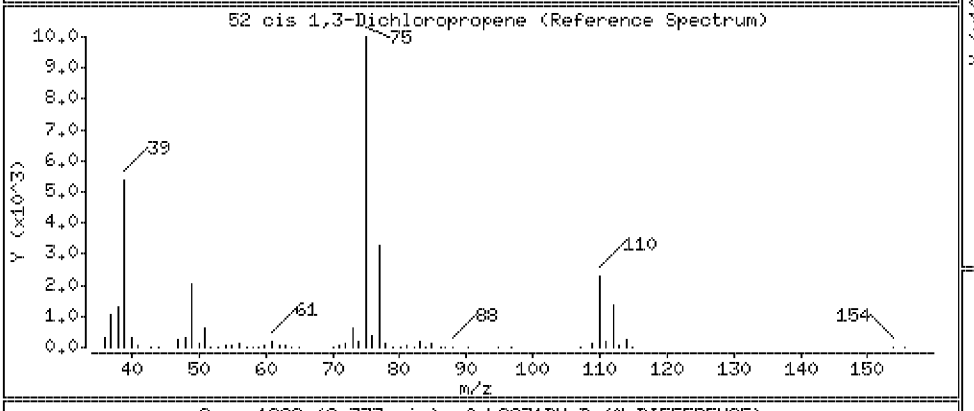
Column diameter: 0.18

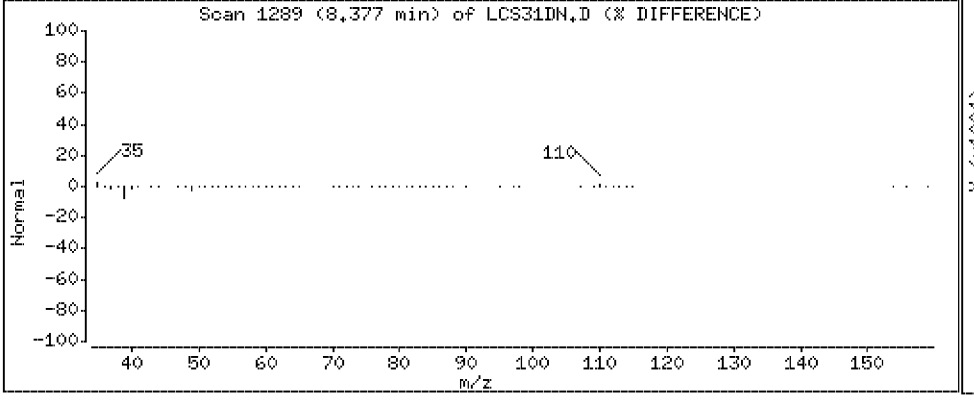
52 cis 1,3-Dichloropropene

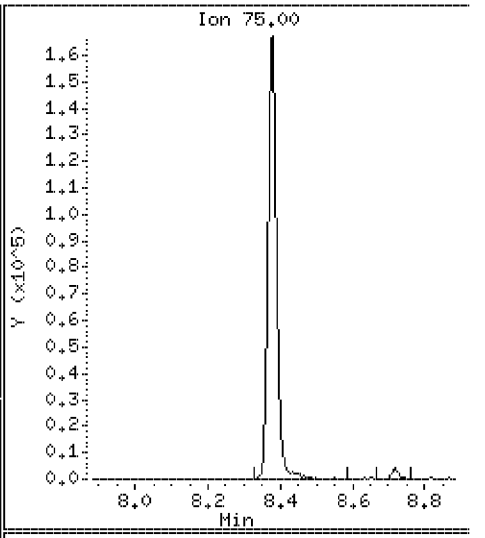
Concentration: 20.9 ug/l

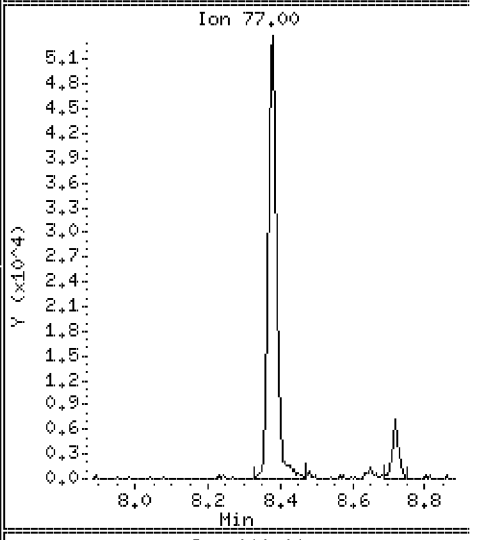


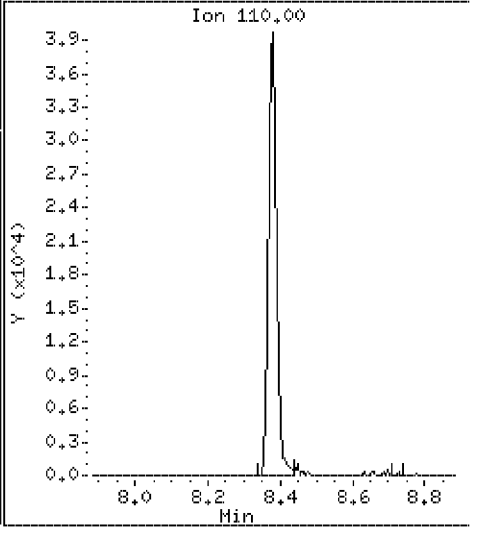












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

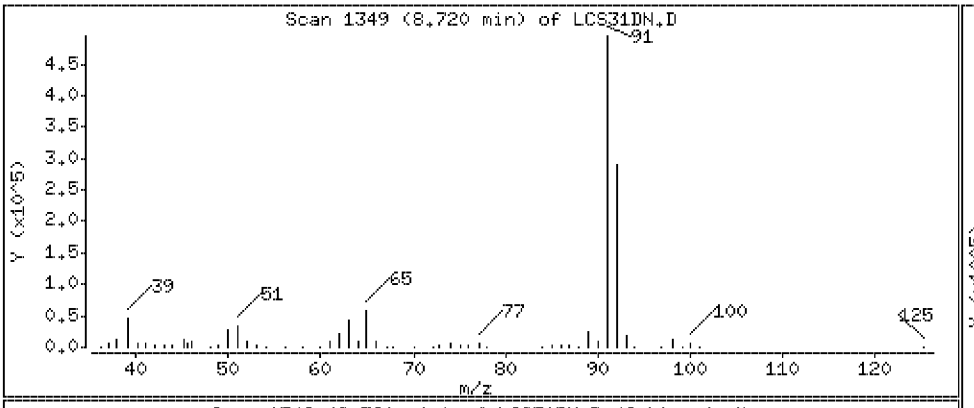
Operator:

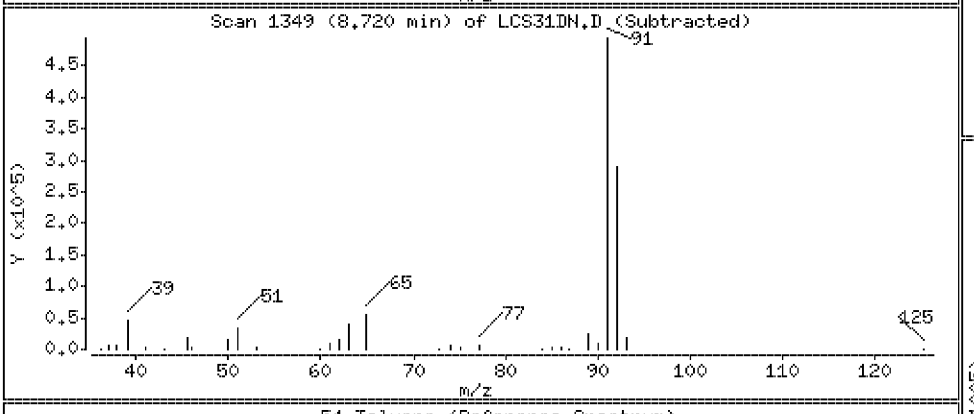
Column phase: RTX-502.2

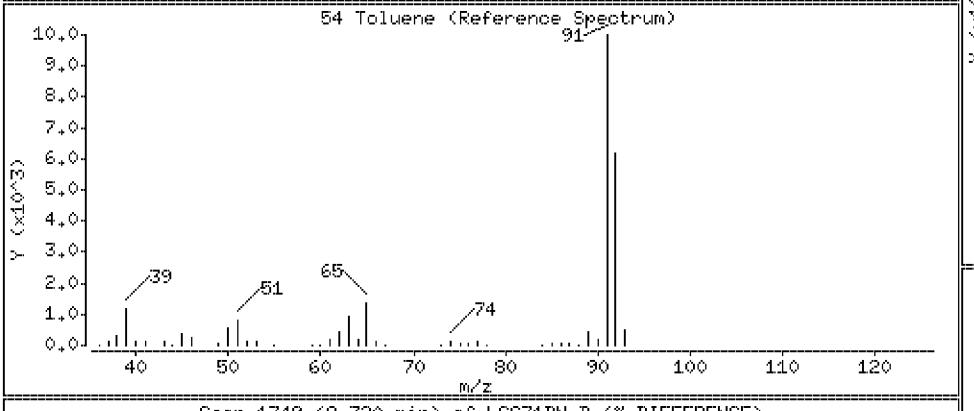
Column diameter: 0.18

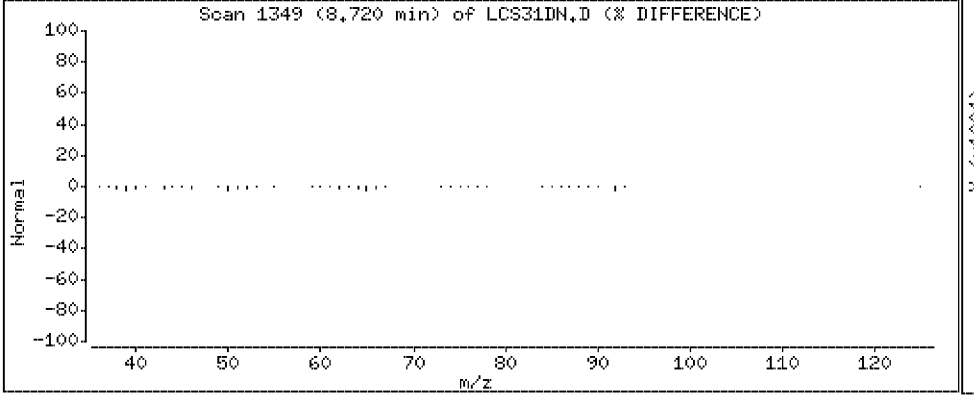
54 Toluene

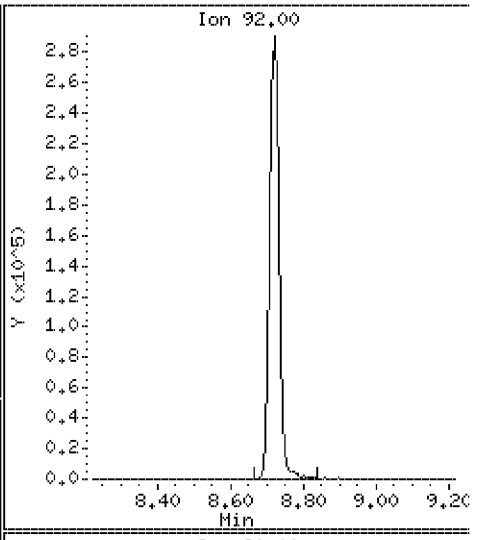
Concentration: 21.1 ug/l

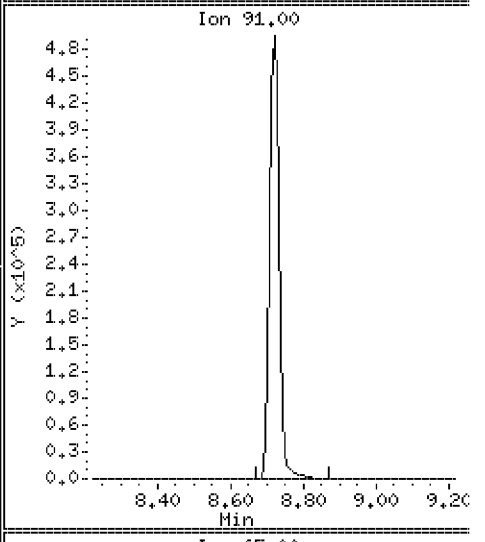


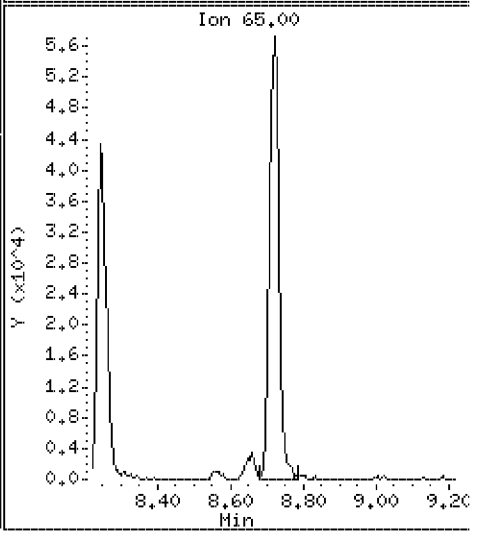












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

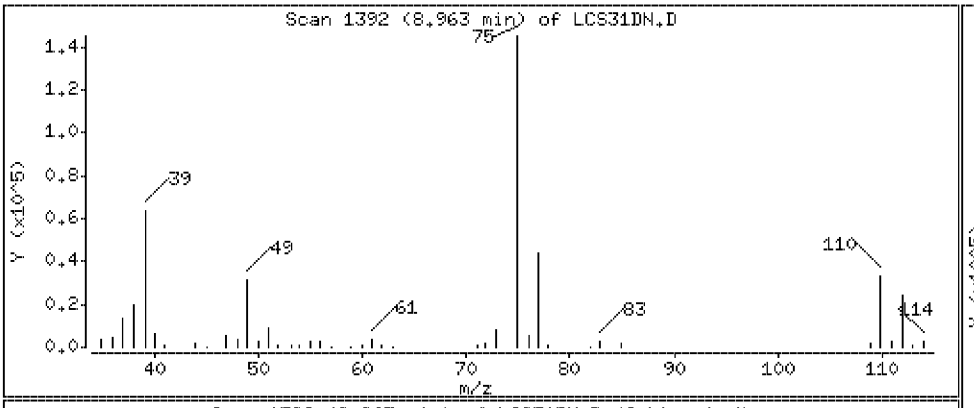
Operator:

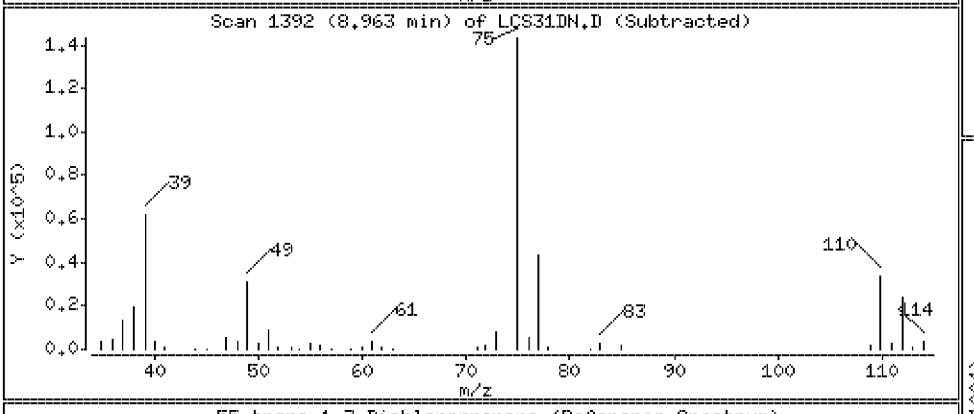
Column phase: RTX-502.2

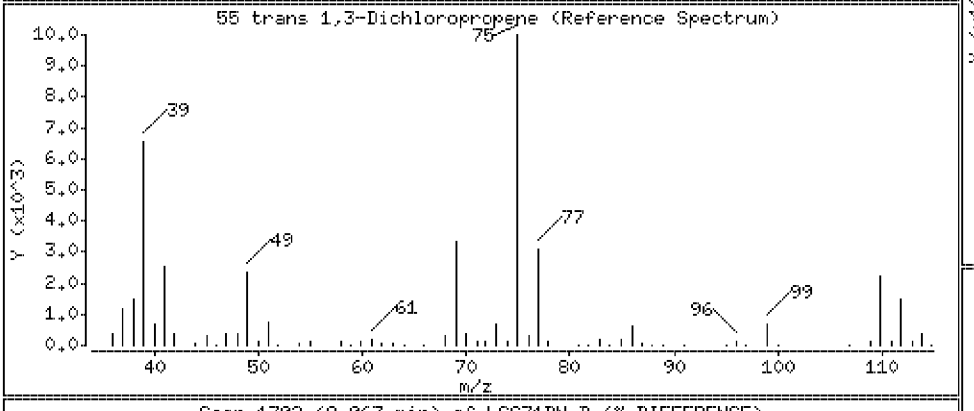
Column diameter: 0.18

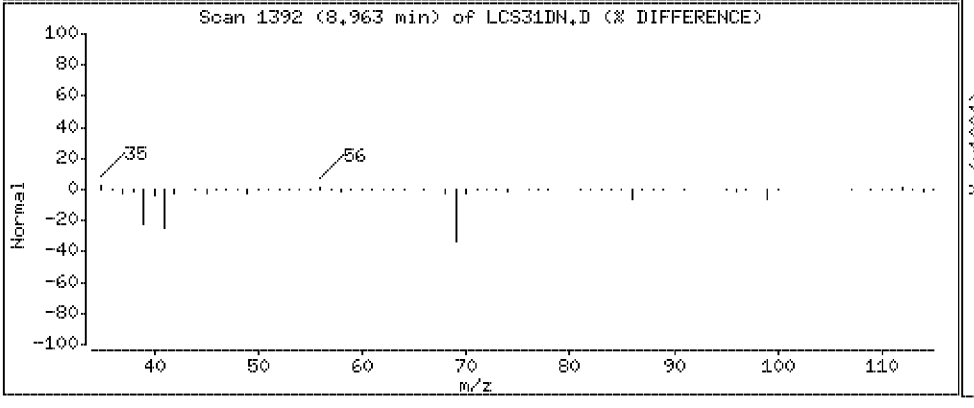
55 trans 1,3-Dichloropropene

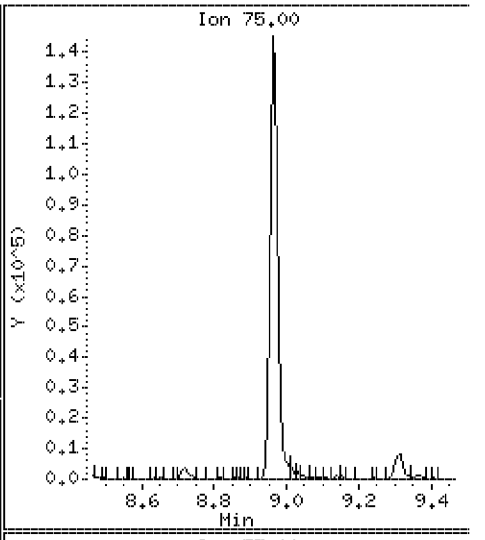
Concentration: 17.8 ug/l

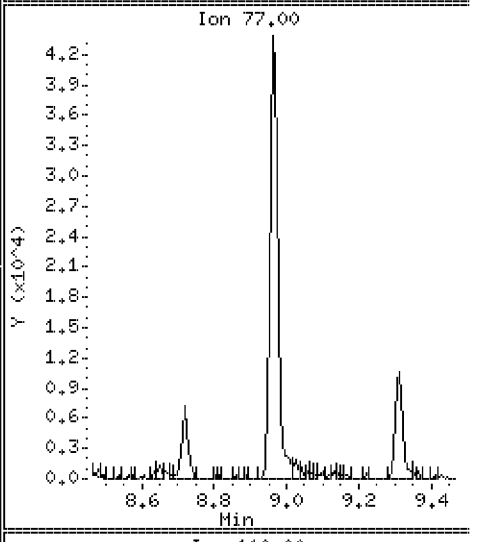


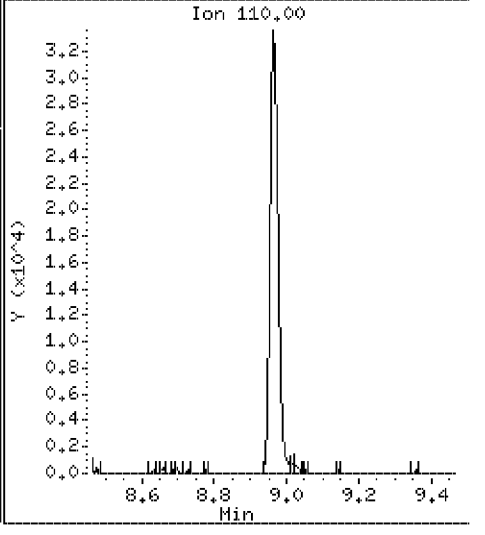












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

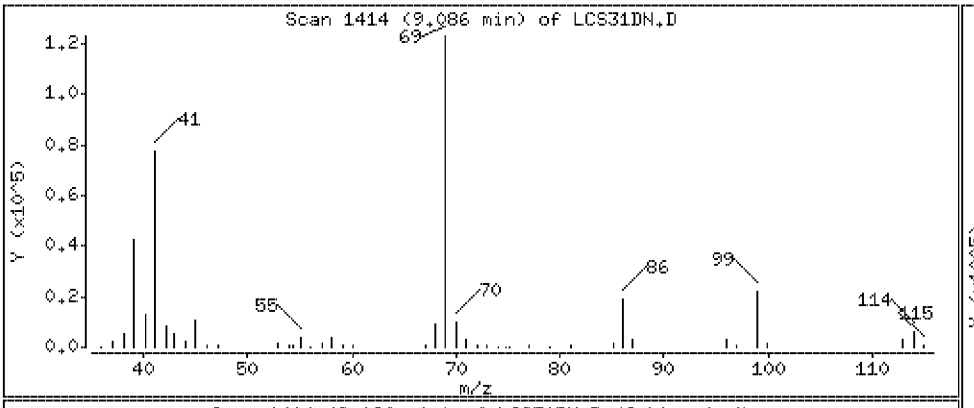
Operator:

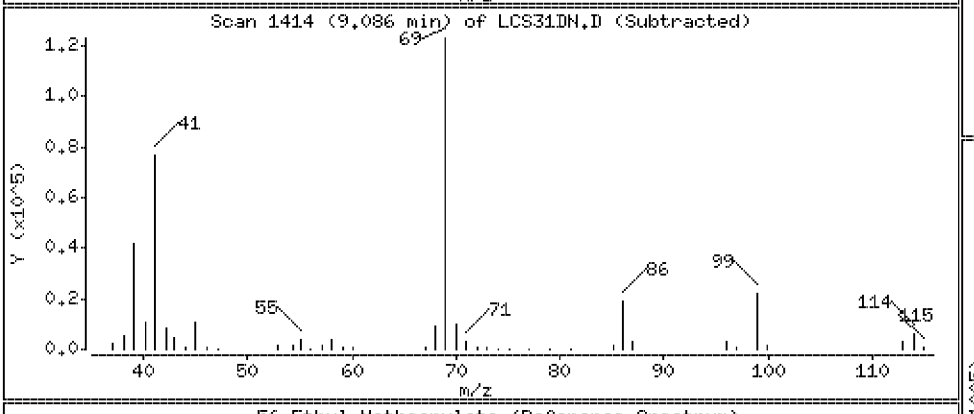
Column phase: RTX-502.2

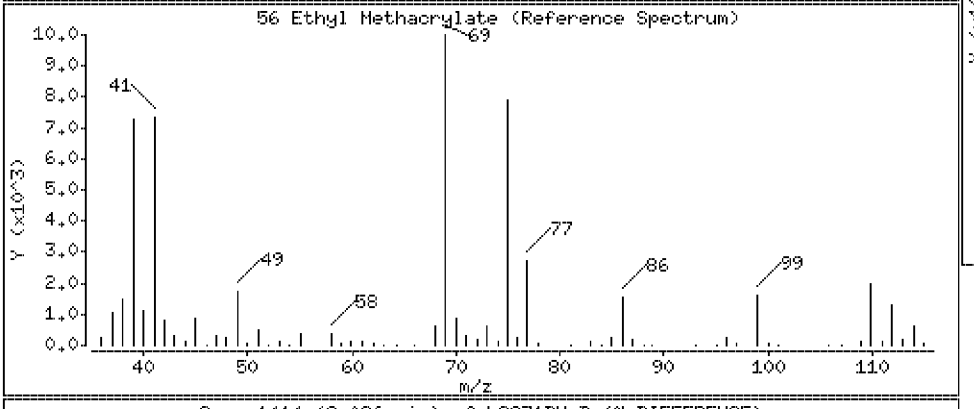
Column diameter: 0.18

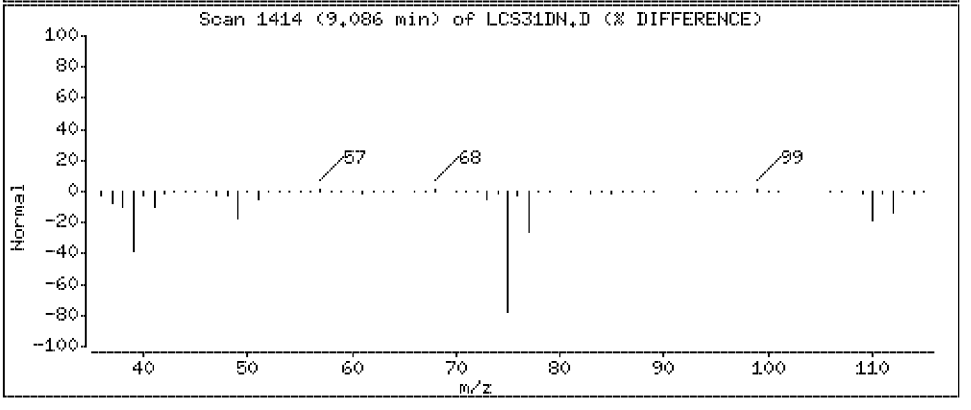
56 Ethyl Methacrylate

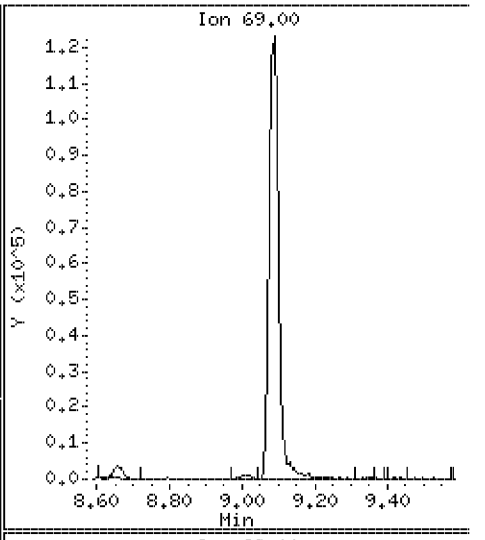
Concentration: 18.9 ug/l

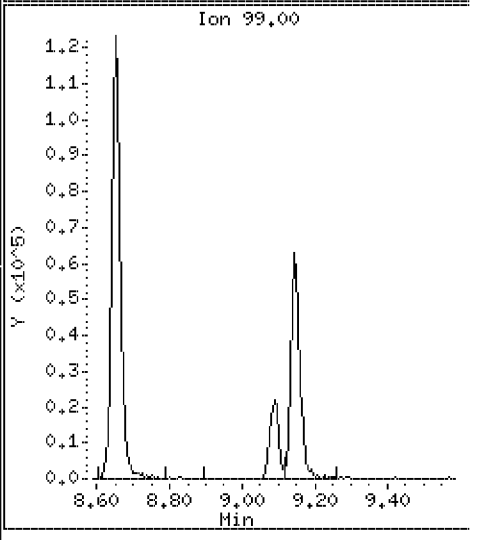












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

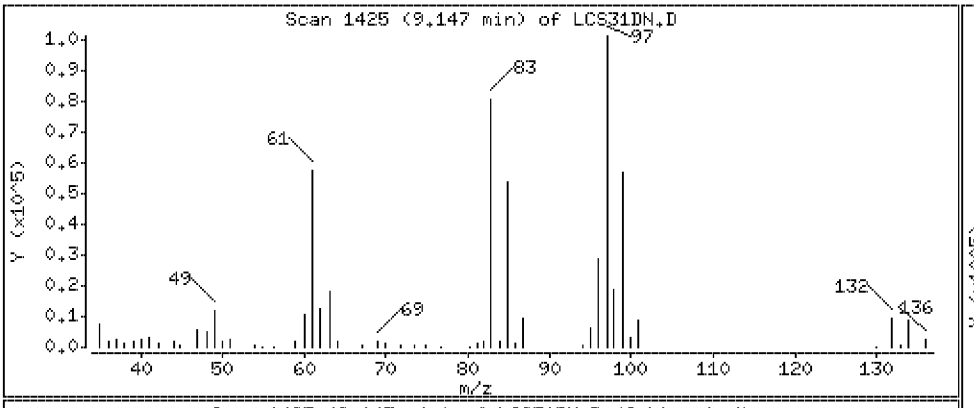
Operator:

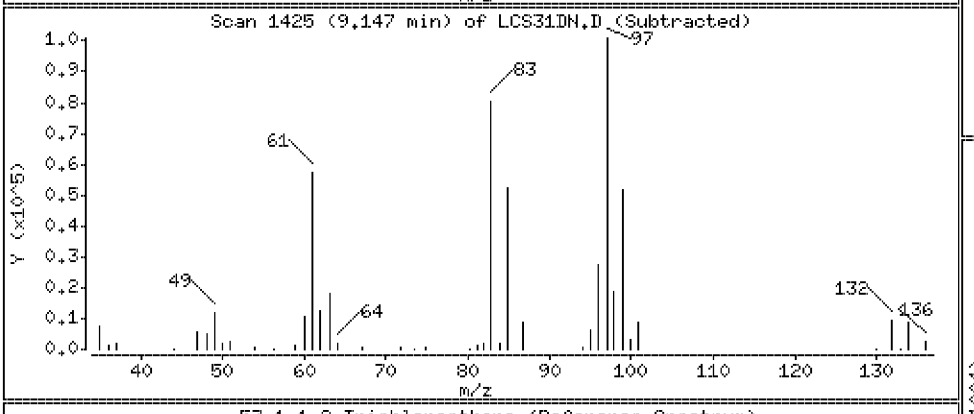
Column phase: RTX-502.2

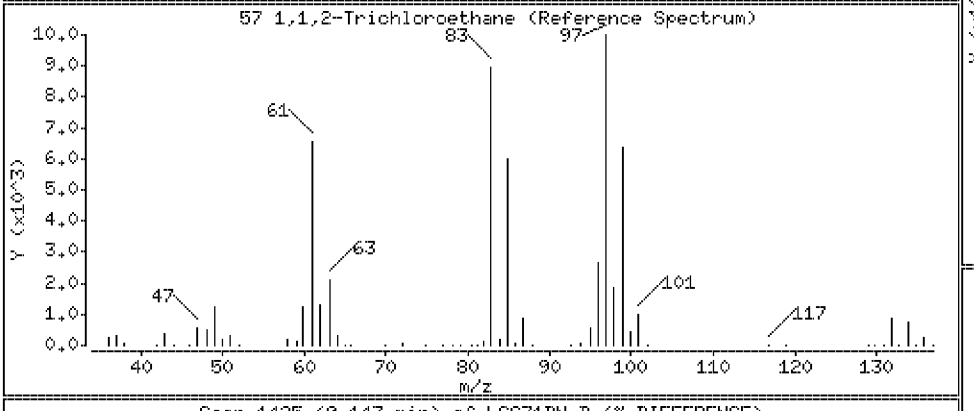
Column diameter: 0.18

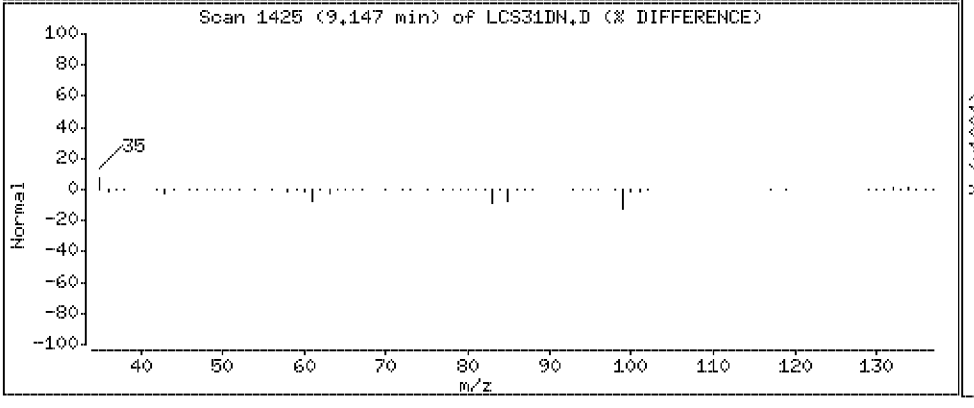
57 1,1,2-Trichloroethane

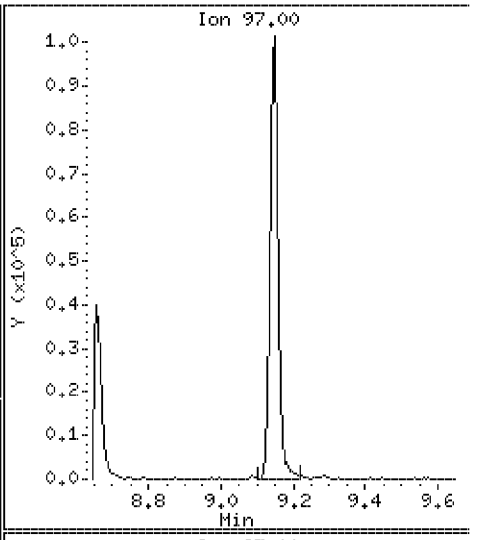
Concentration: 19.8 ug/l

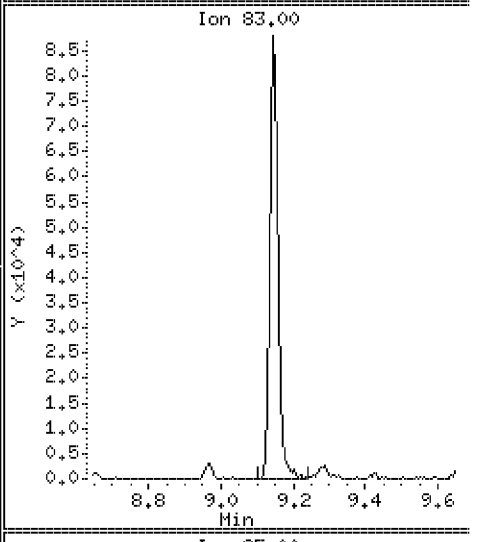


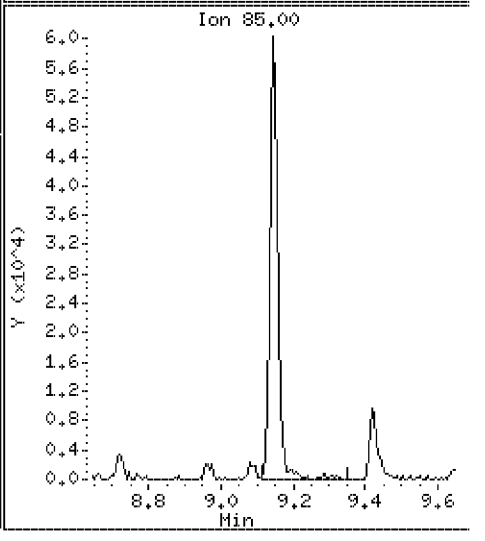












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

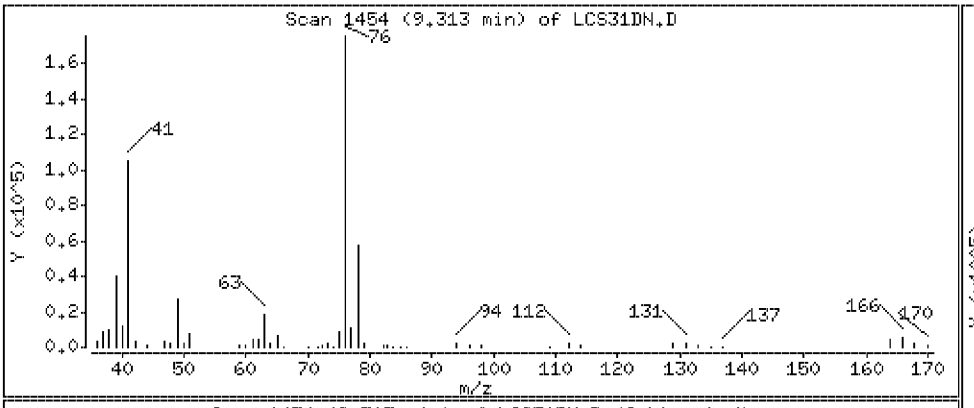
Operator:

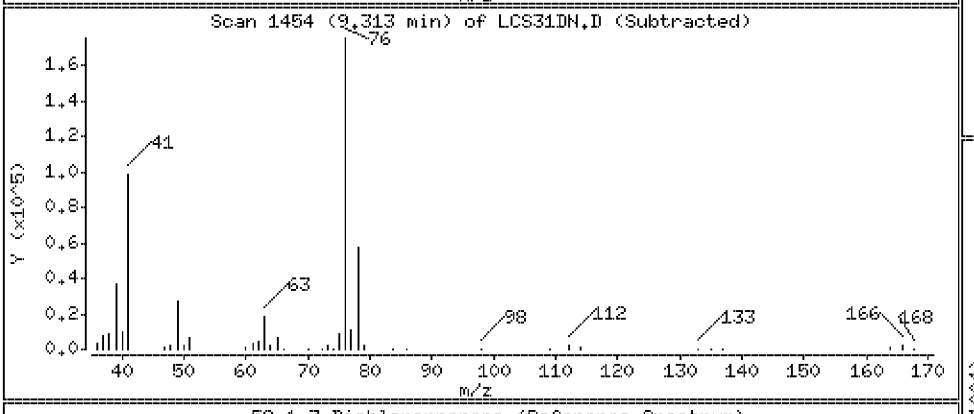
Column phase: RTX-502.2

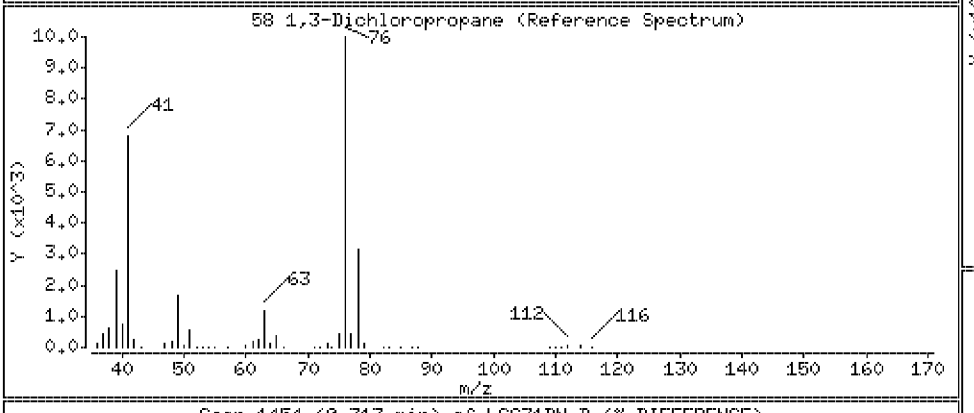
Column diameter: 0.18

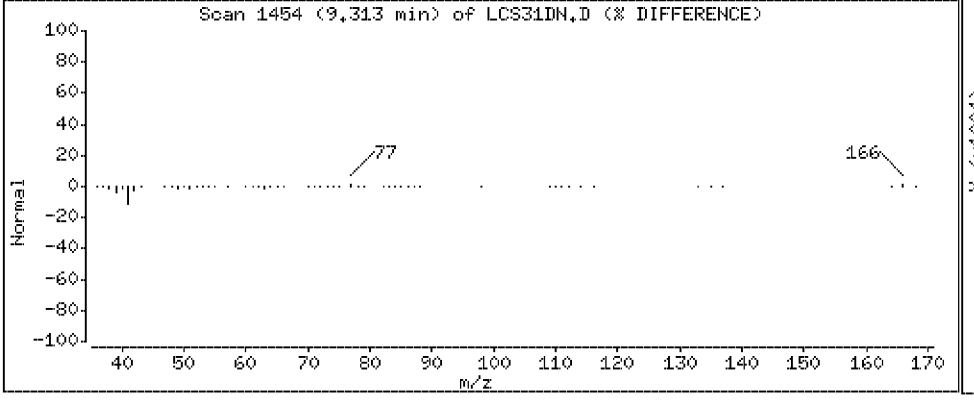
58 1,3-Dichloropropane

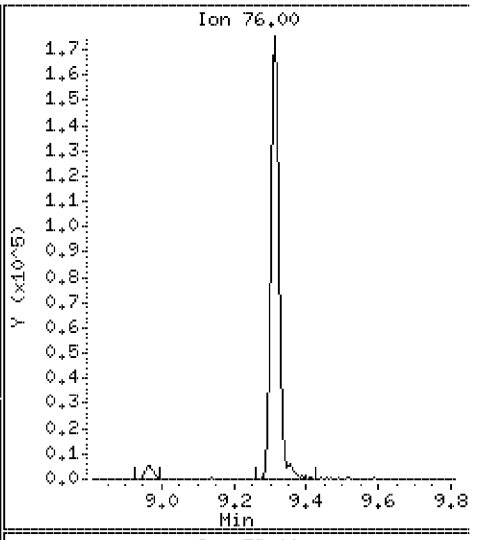
Concentration: 19.8 ug/l

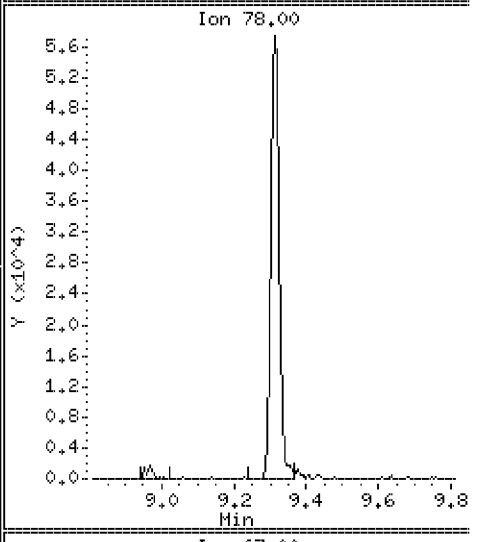


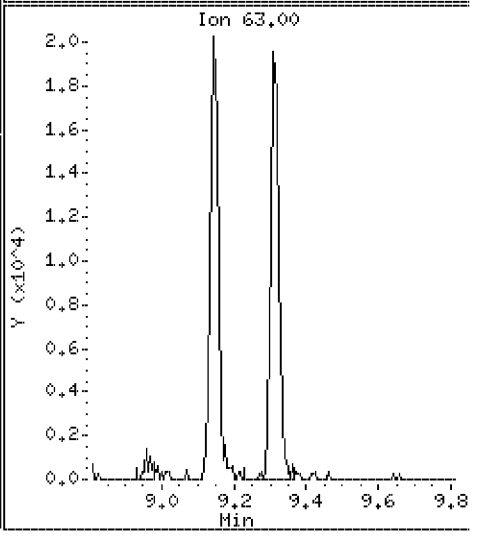












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

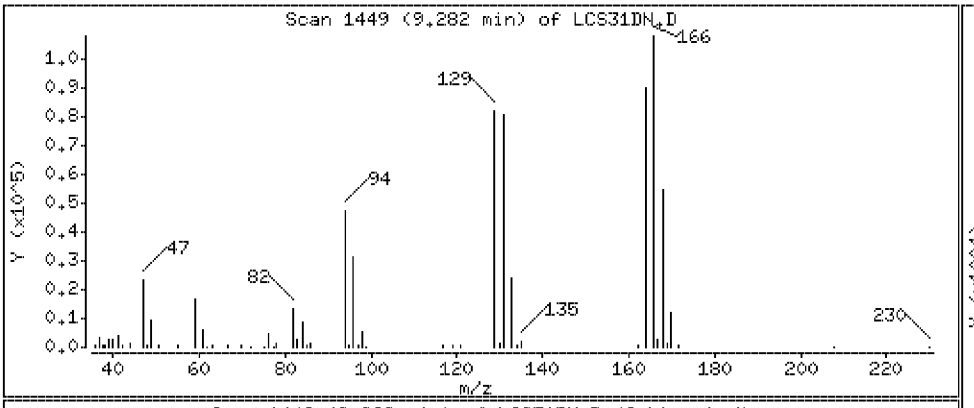
Operator:

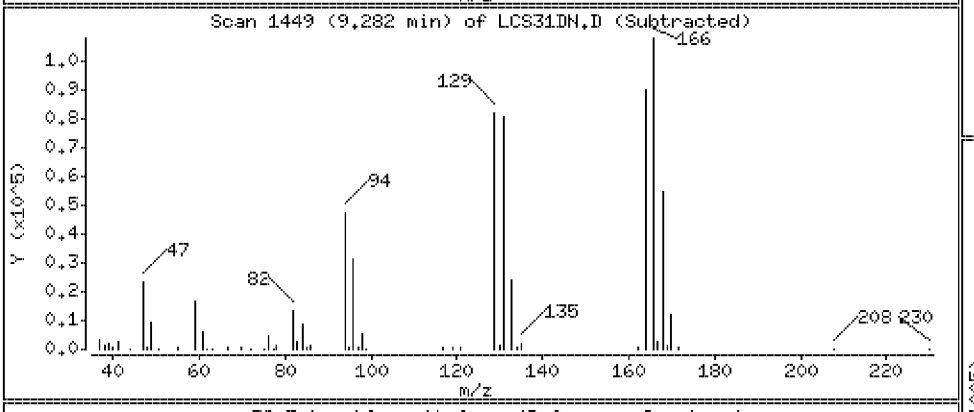
Column phase: RTX-502.2

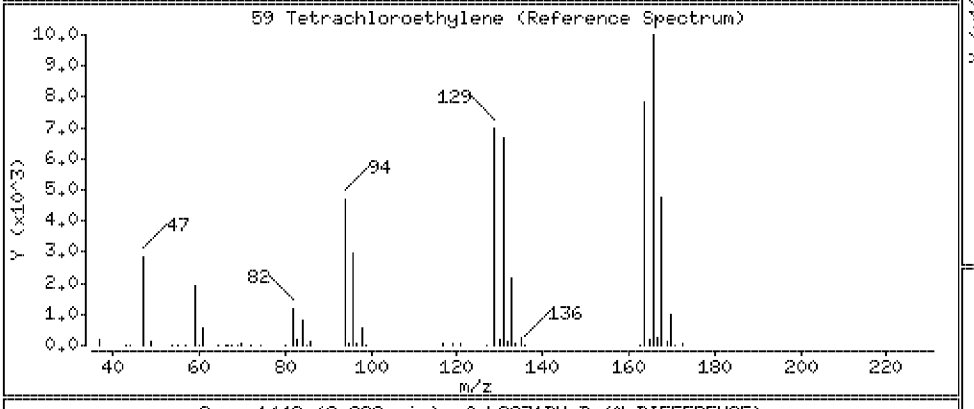
Column diameter: 0.18

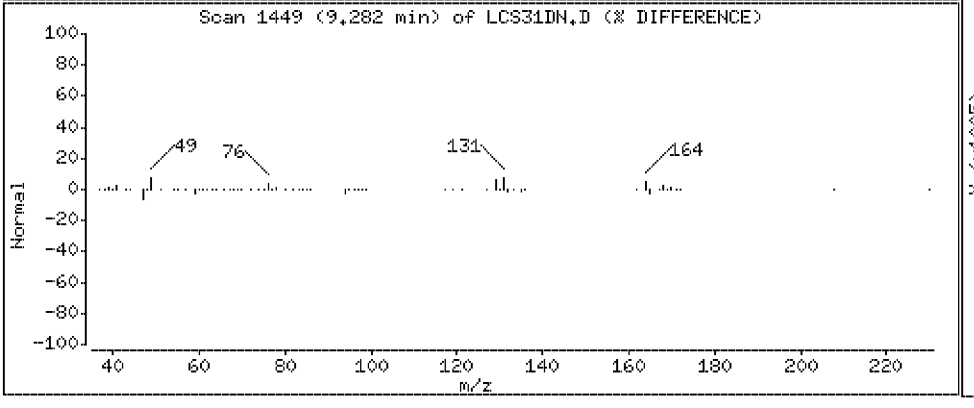
59 Tetrachloroethylene

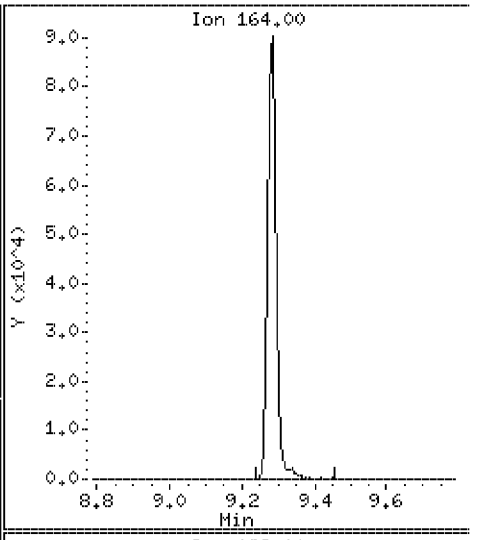
Concentration: 21.1 ug/l

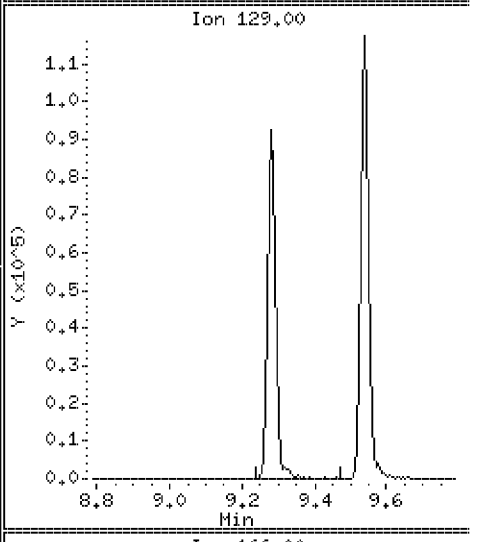


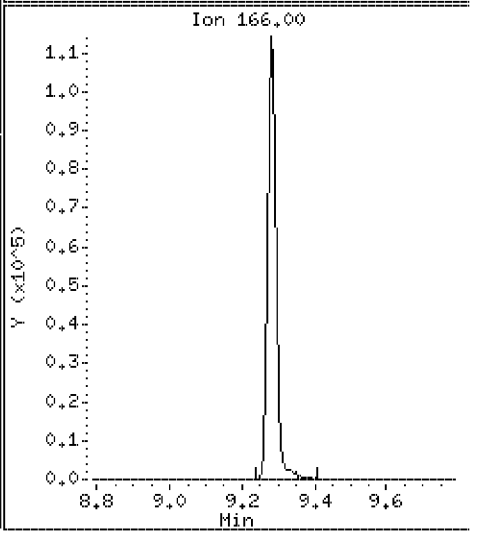












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

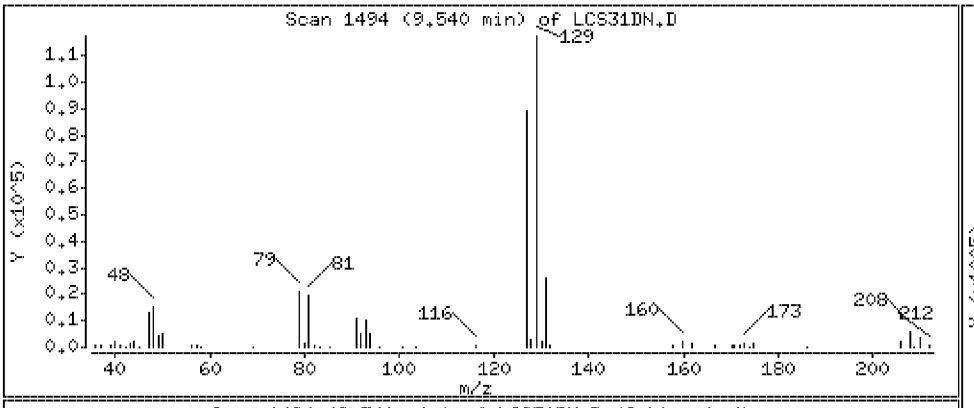
Operator:

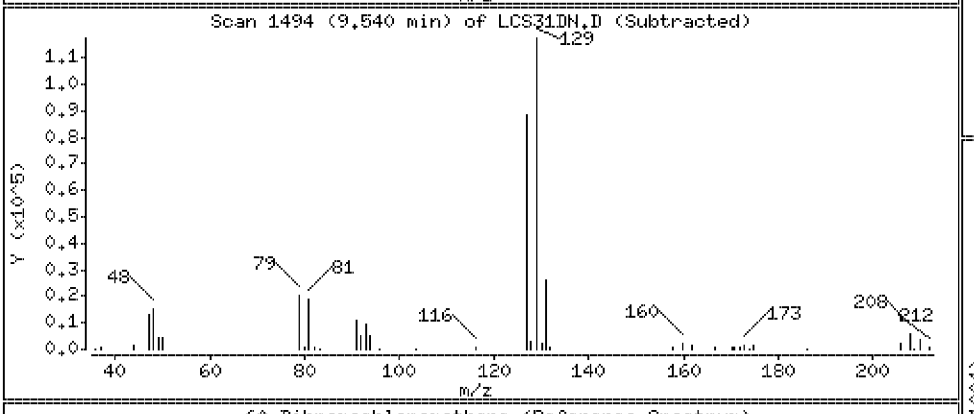
Column phase: RTX-502.2

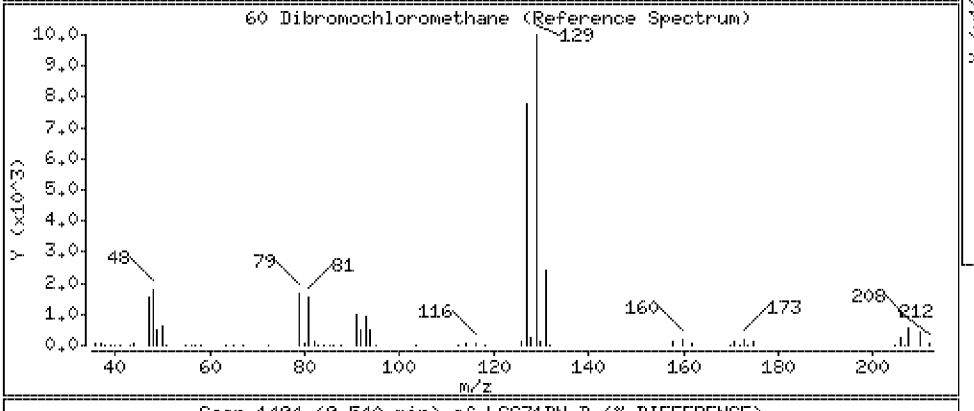
Column diameter: 0.18

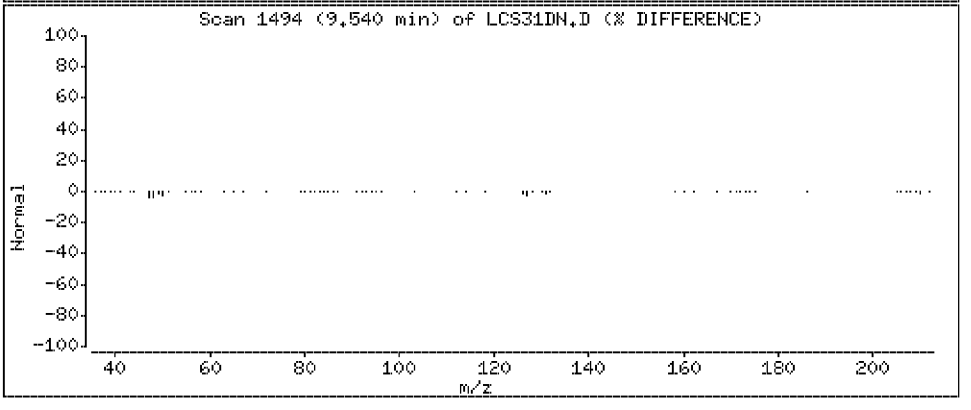
60 Dibromochloromethane

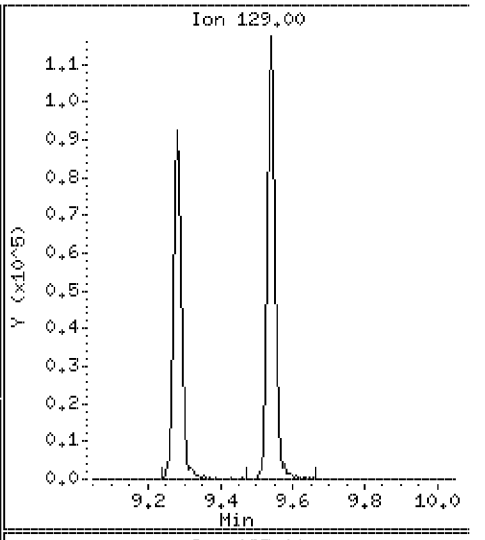
Concentration: 19.3 ug/l

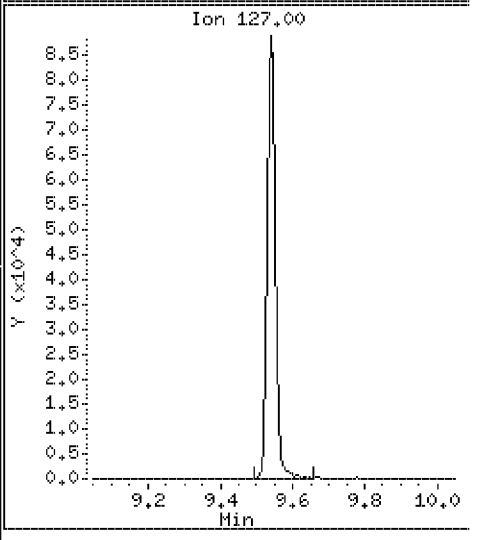












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

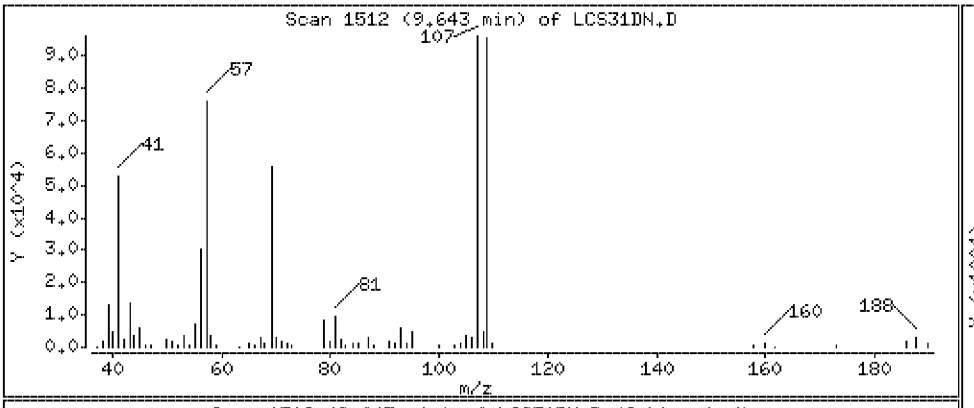
Operator:

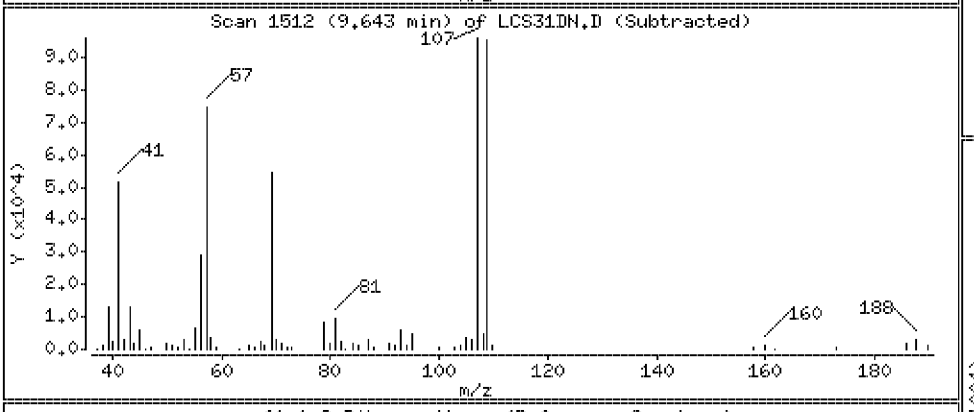
Column phase: RTX-502.2

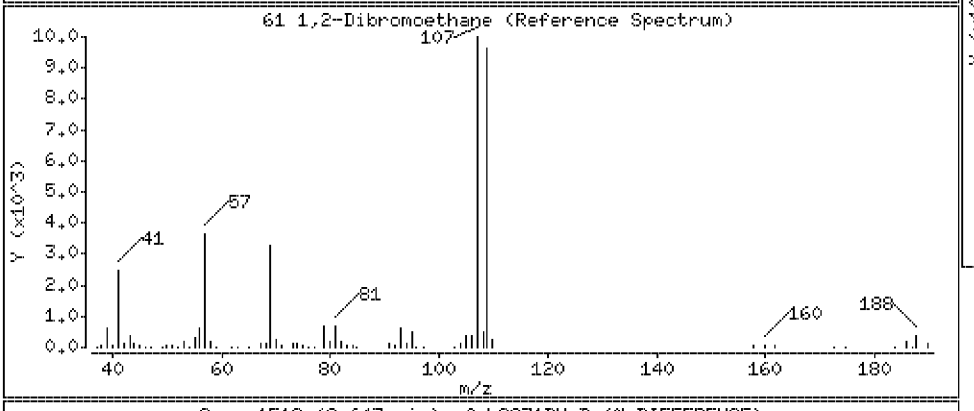
Column diameter: 0.18

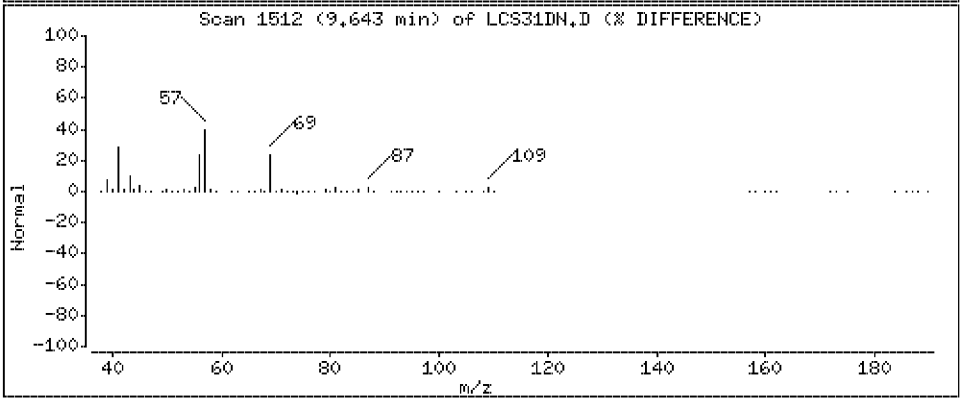
61 1,2-Dibromoethane

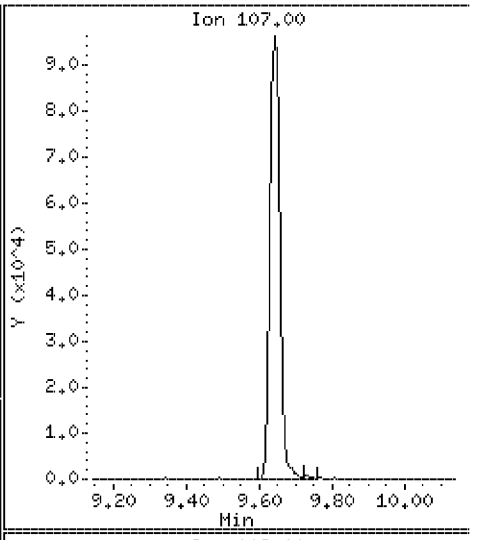
Concentration: 19.3 ug/l

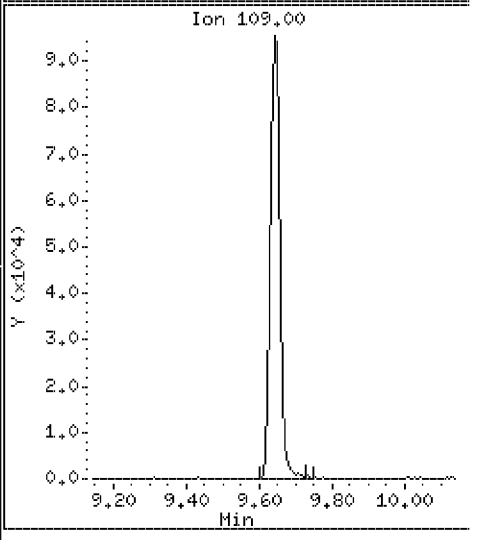












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

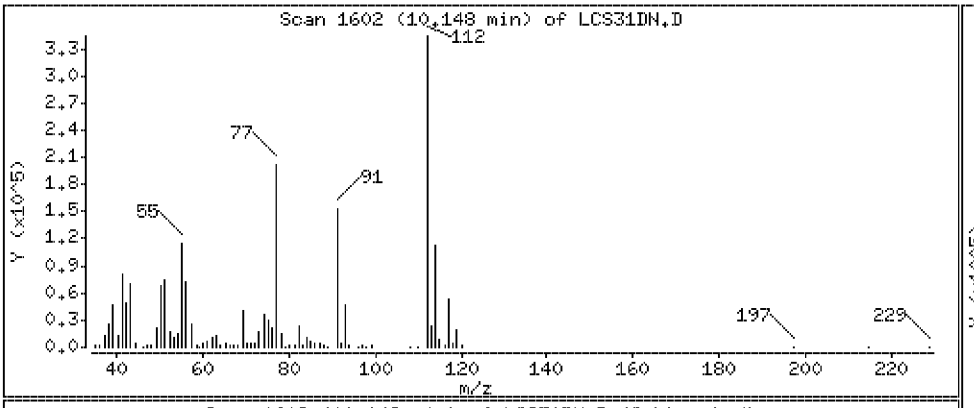
Operator:

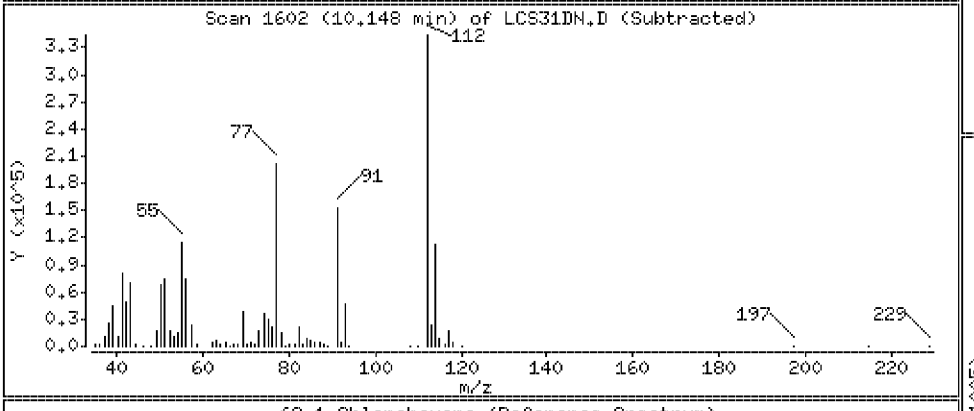
Column phase: RTX-502.2

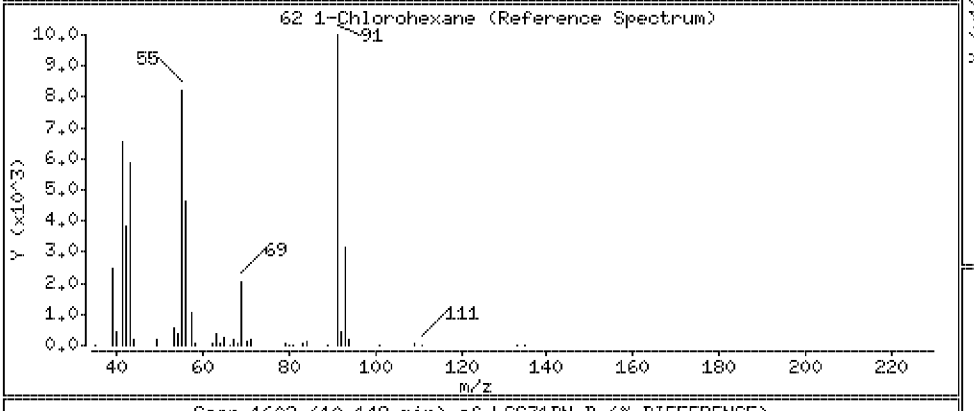
Column diameter: 0.18

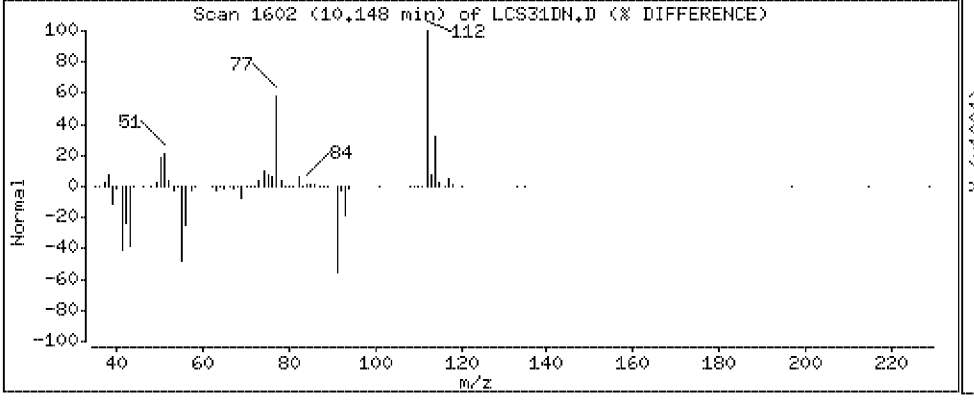
62 1-Chlorohexane

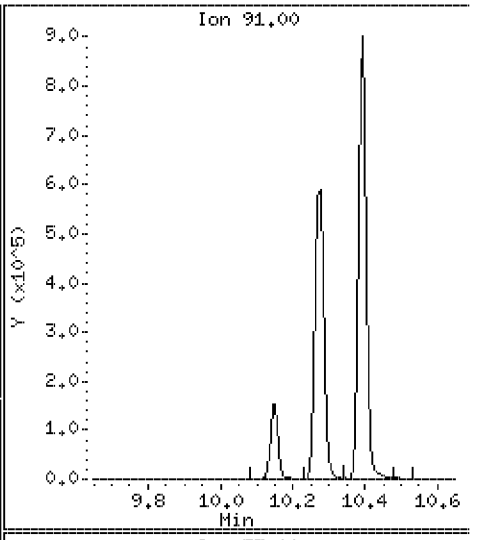
Concentration: 19.8 ug/l

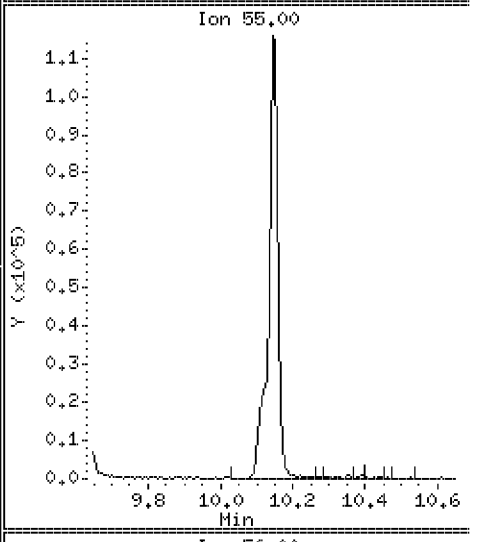


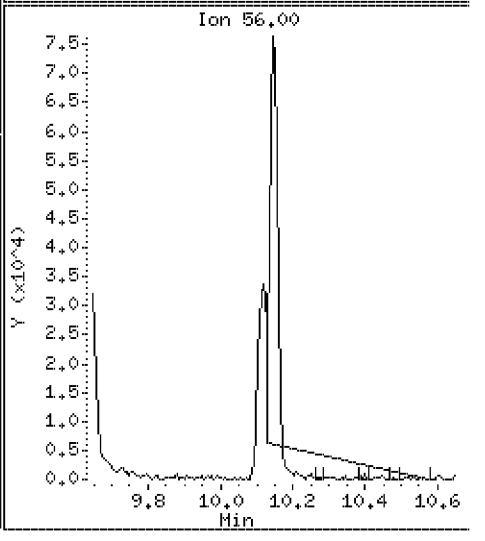












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

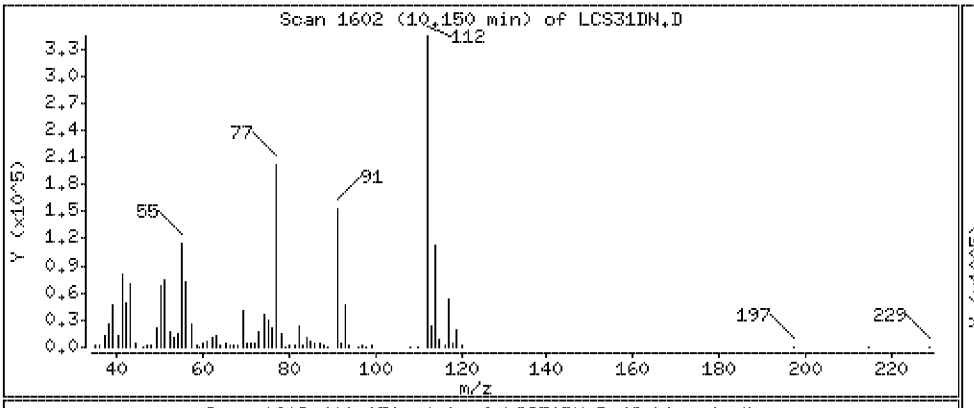
Operator:

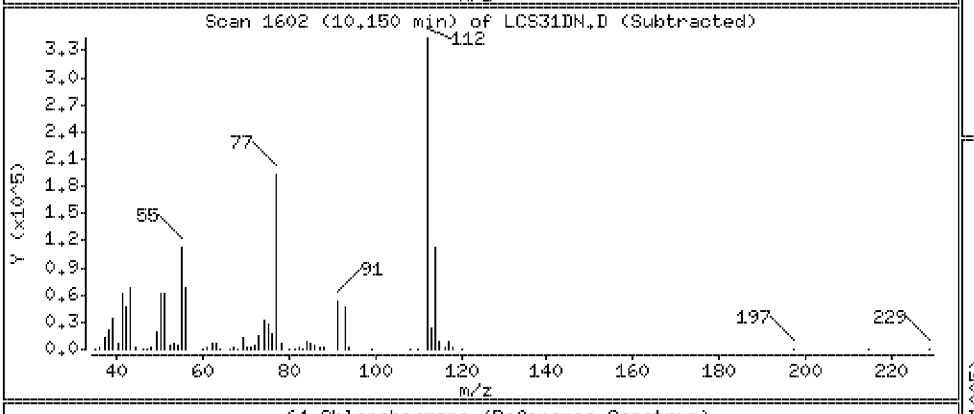
Column phase: RTX-502.2

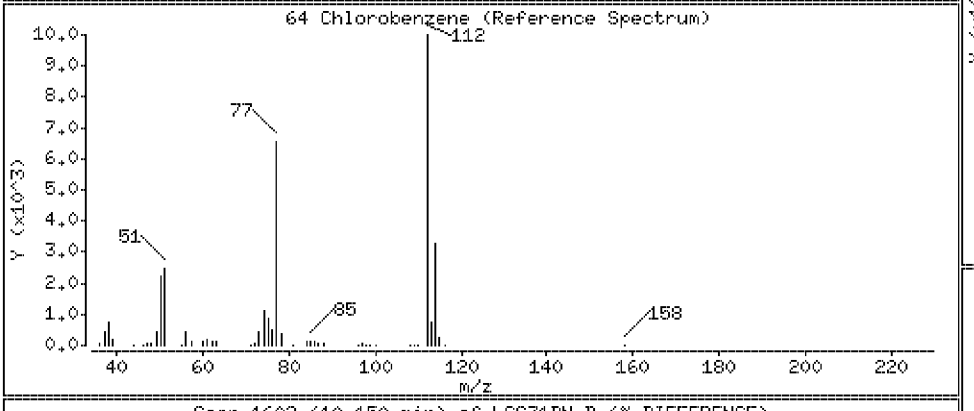
Column diameter: 0.18

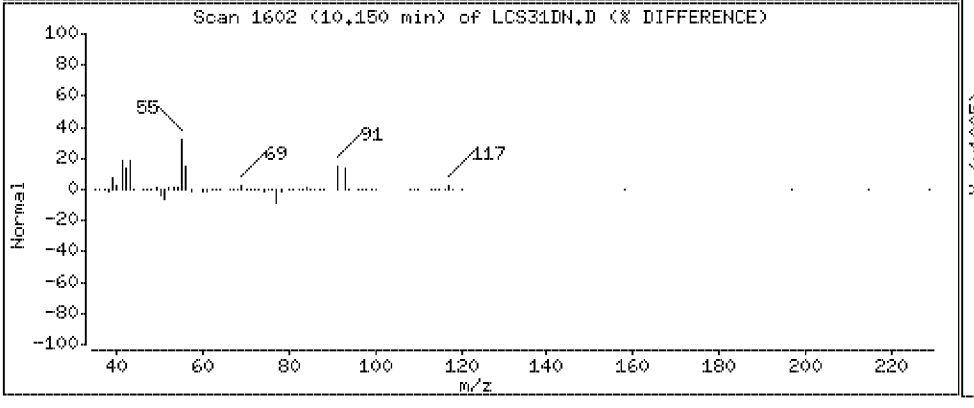
64 Chlorobenzene

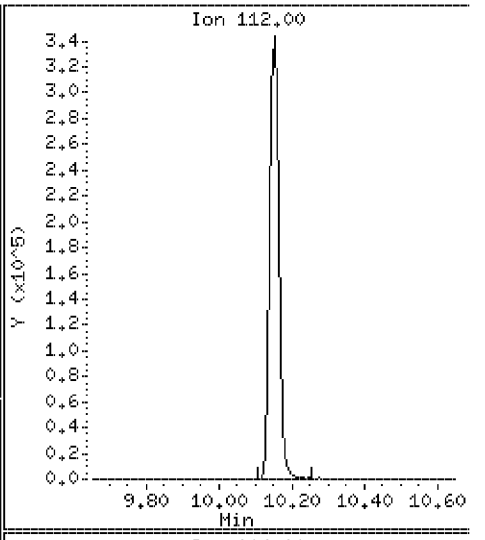
Concentration: 20.0 ug/l

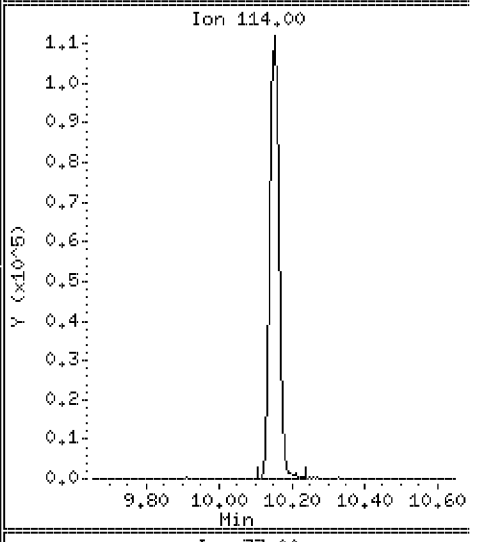


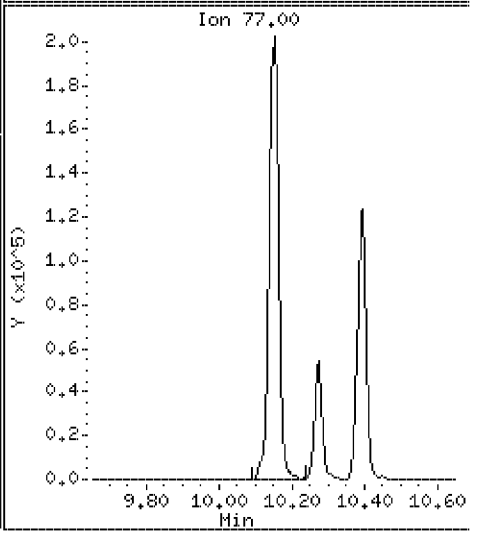












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

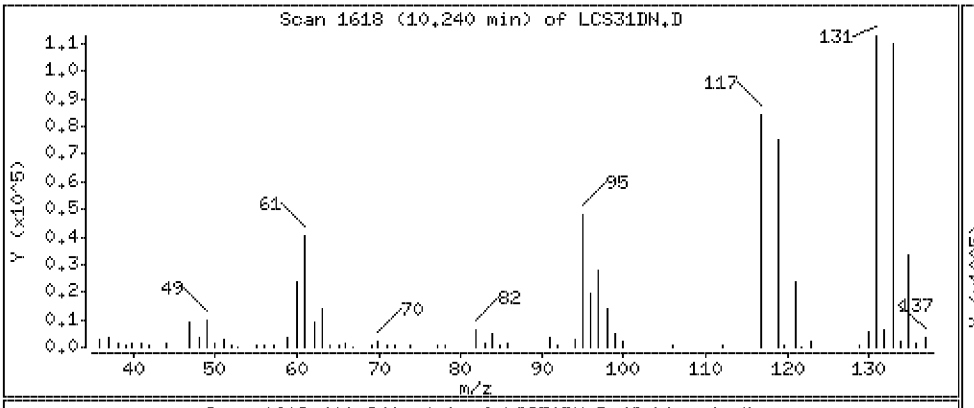
Operator:

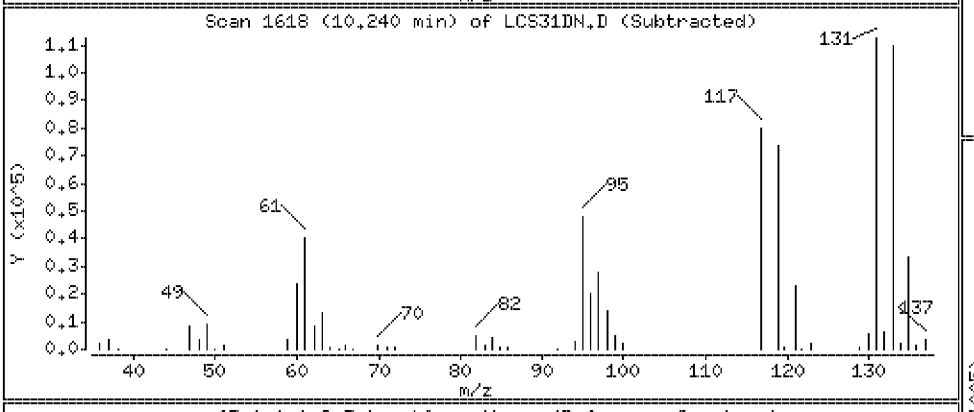
Column phase: RTX-502.2

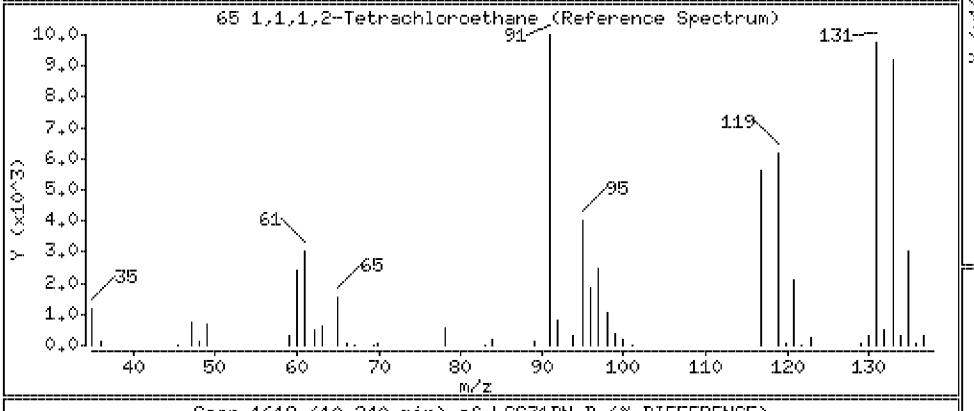
Column diameter: 0.18

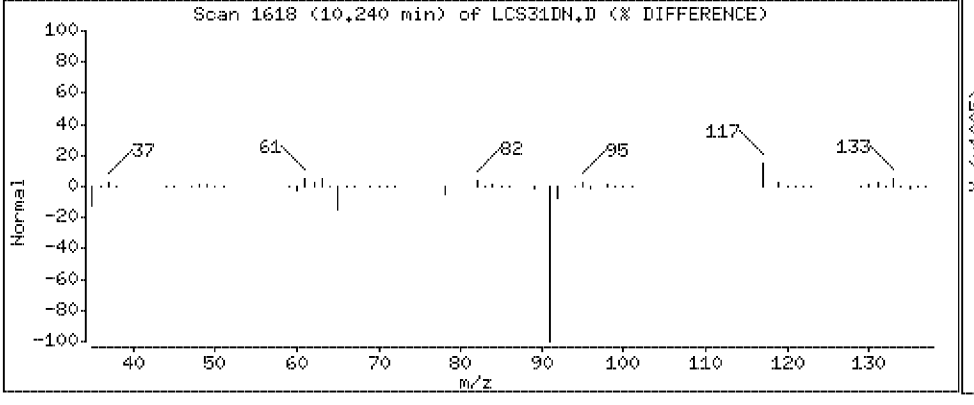
65 1,1,1,2-Tetrachloroethane

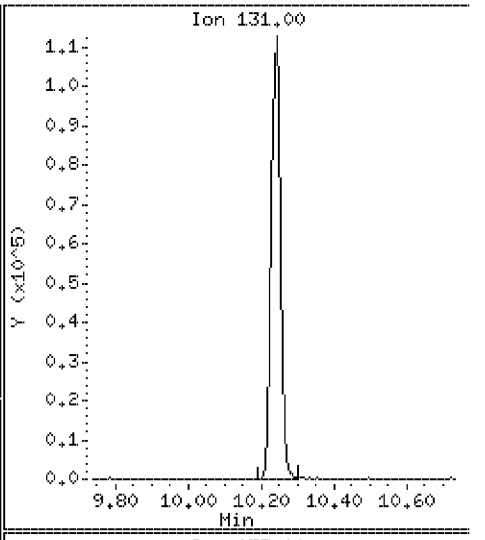
Concentration: 19.6 ug/l

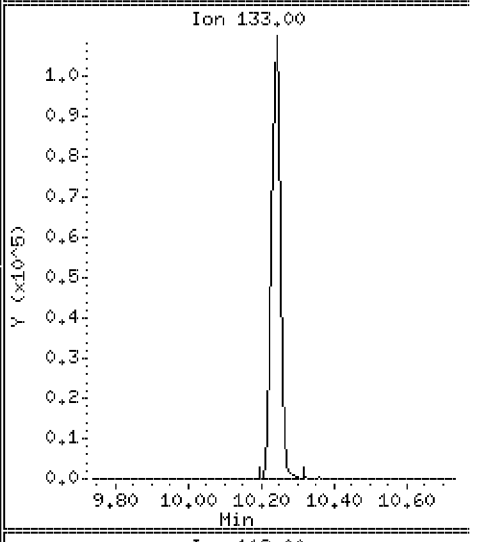


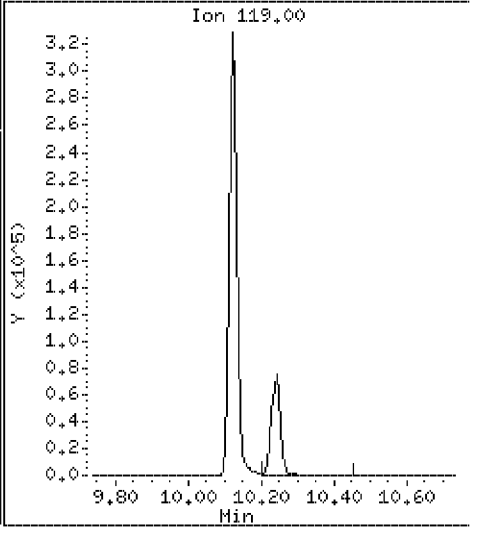












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

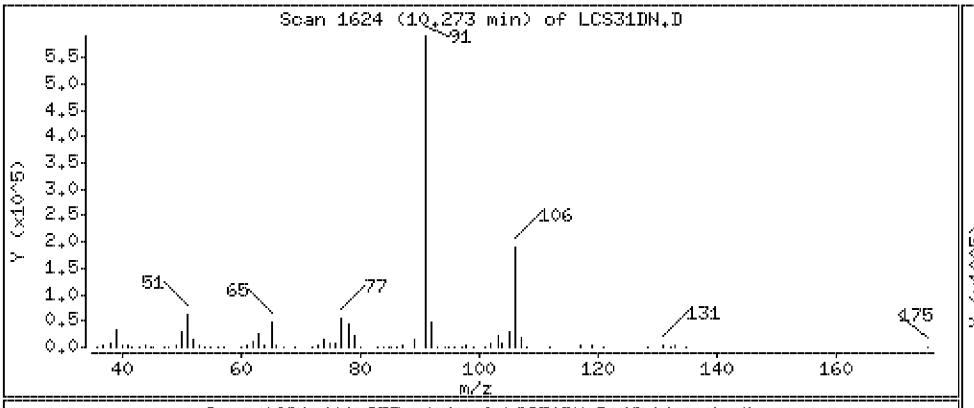
Operator:

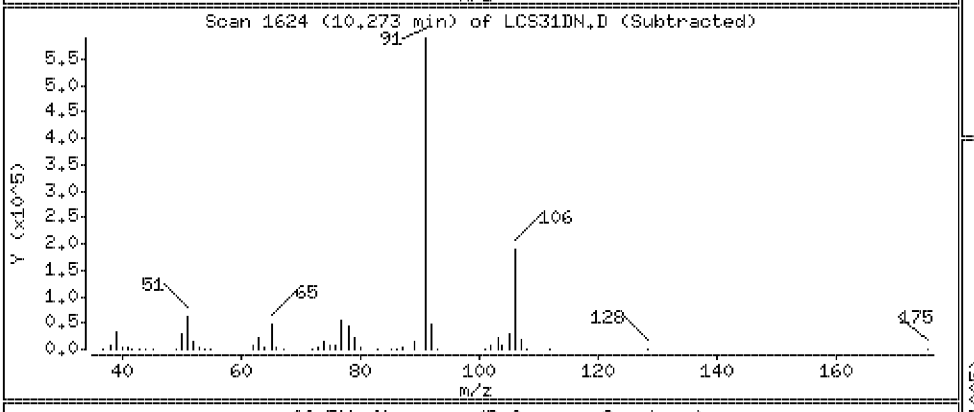
Column phase: RTX-502.2

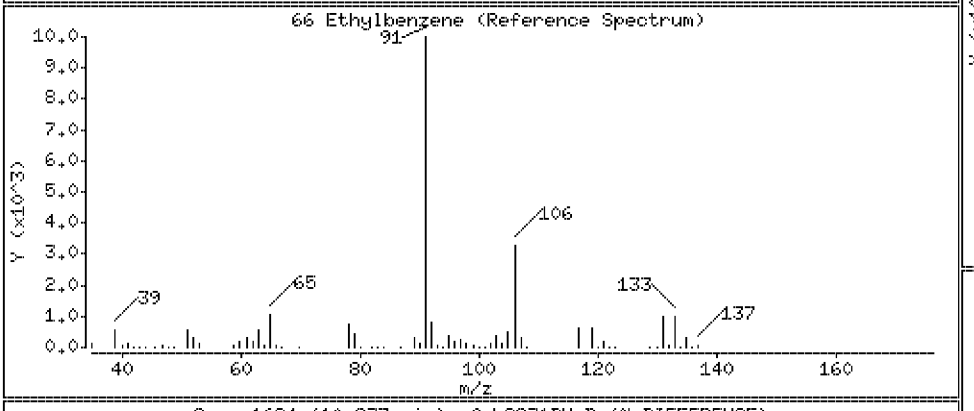
Column diameter: 0.18

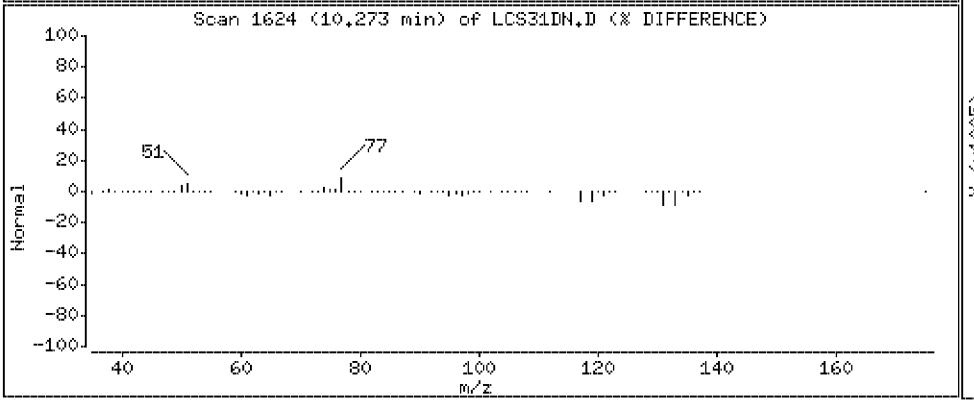
66 Ethylbenzene

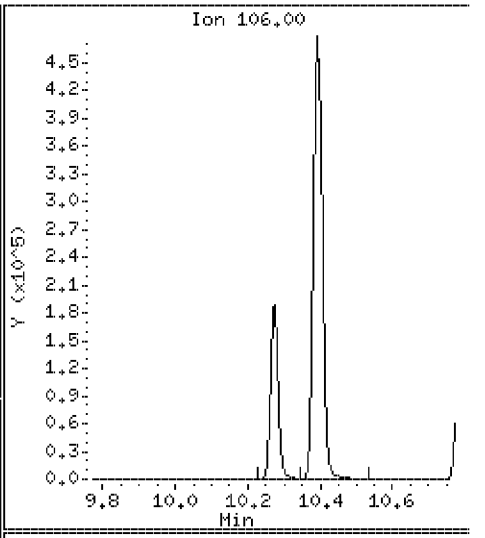
Concentration: 20.2 ug/l

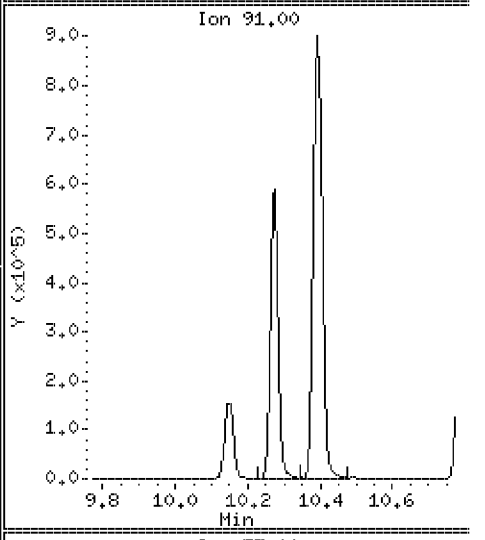


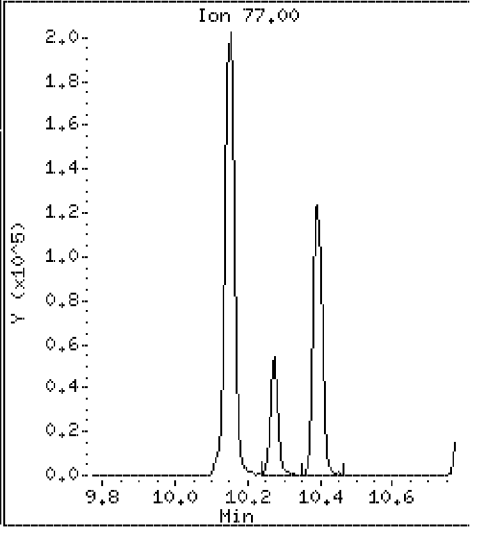












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

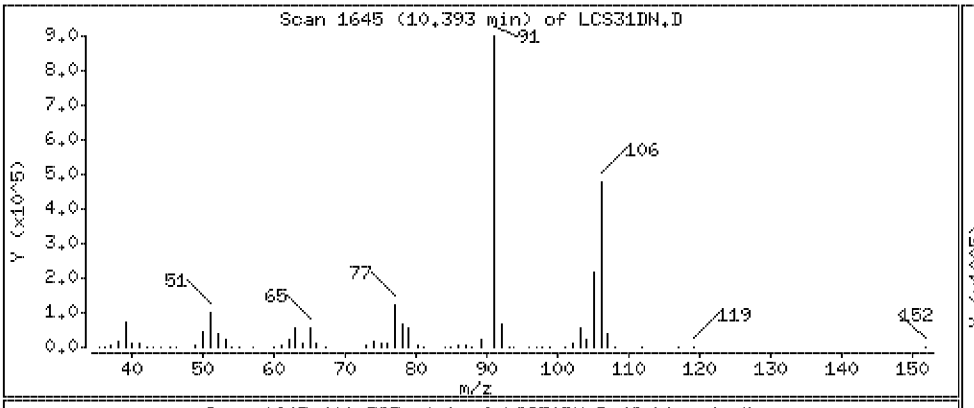
Operator:

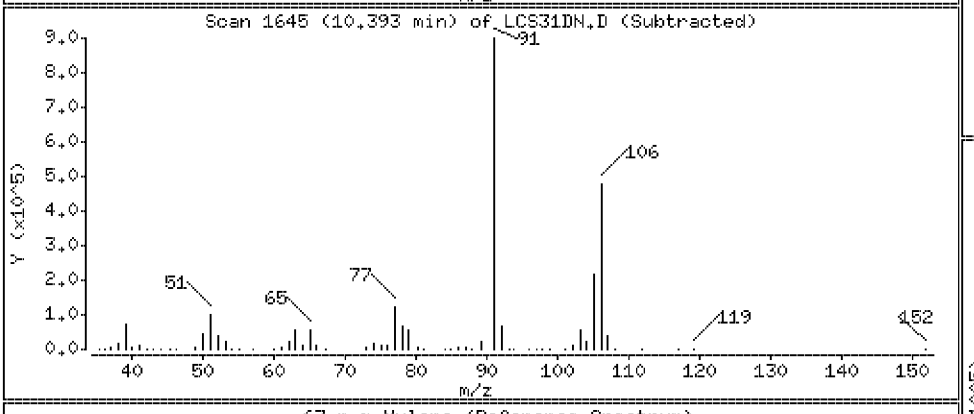
Column phase: RTX-502.2

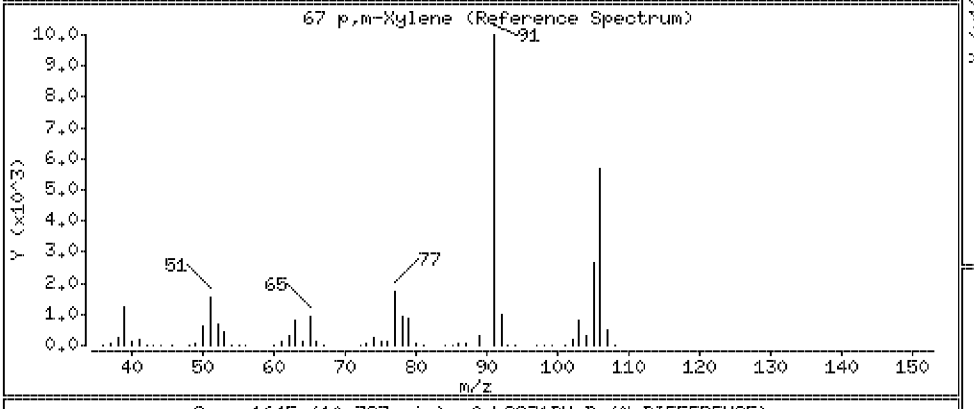
Column diameter: 0.18

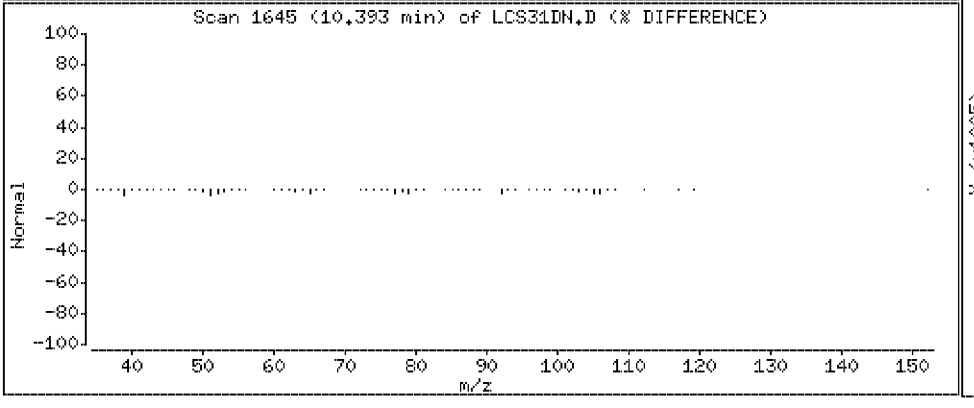
67 p,m-Xylene

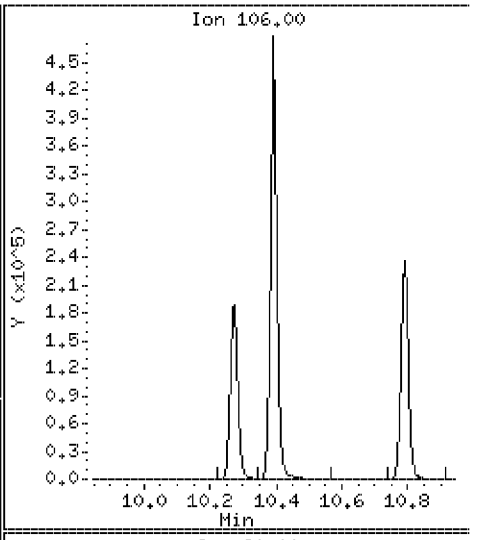
Concentration: 42.8 ug/l

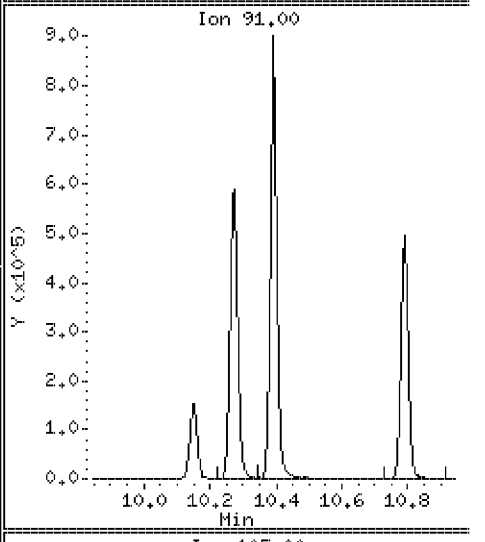


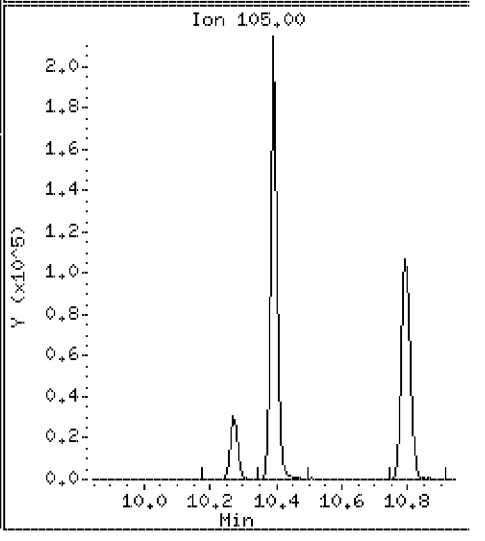












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

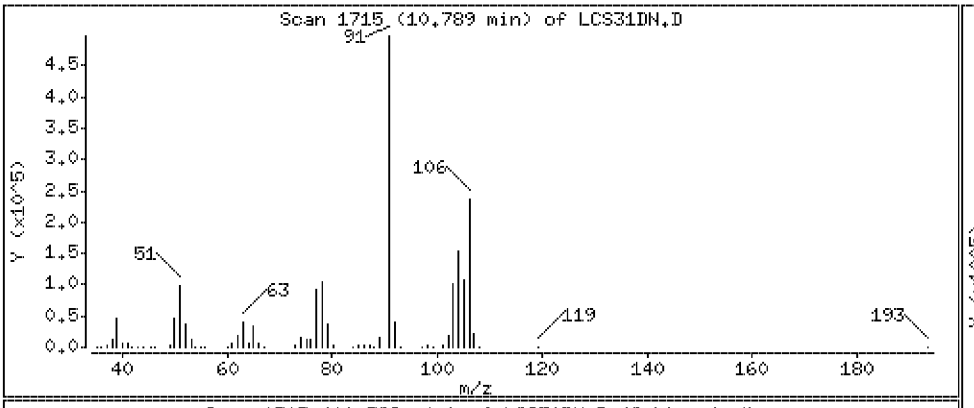
Operator:

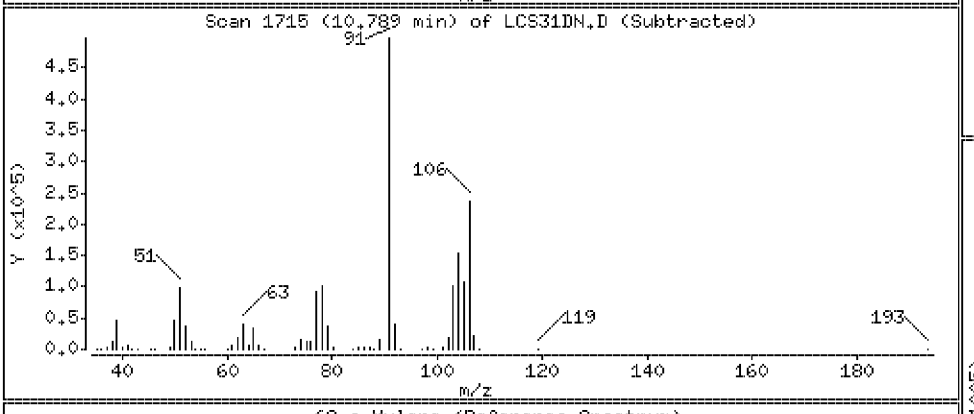
Column phase: RTX-502.2

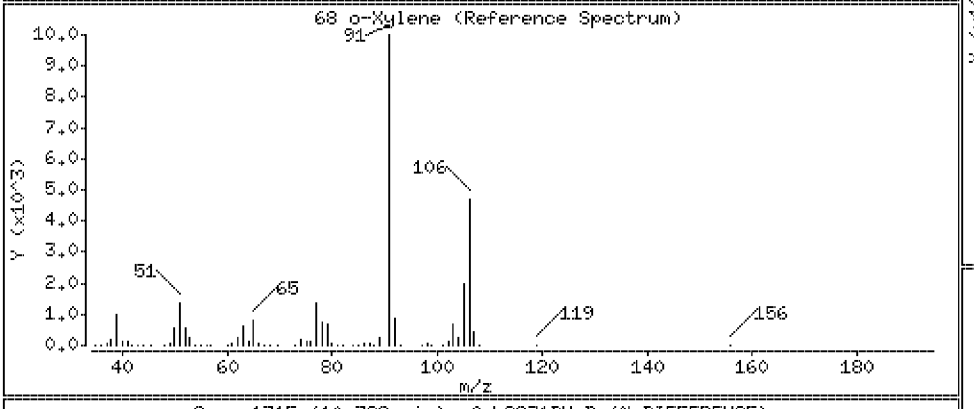
Column diameter: 0.18

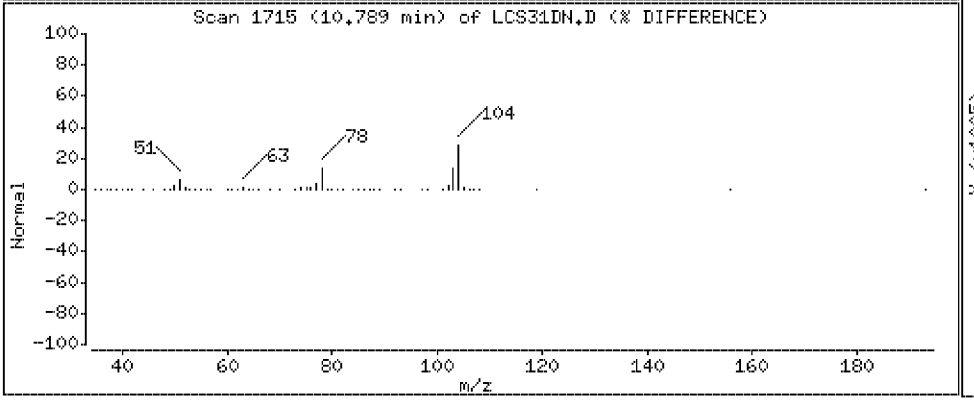
68 o-Xylene

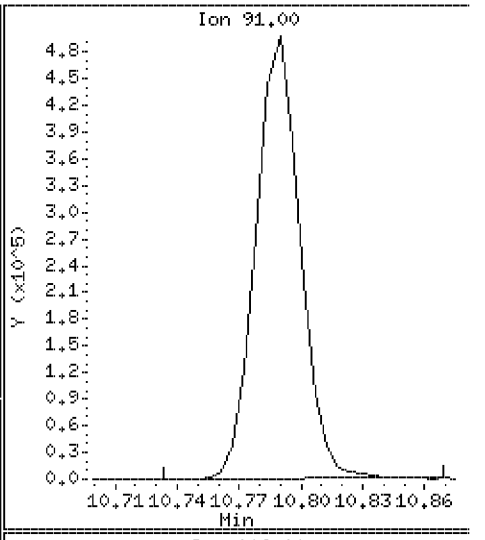
Concentration: 20.4 ug/l

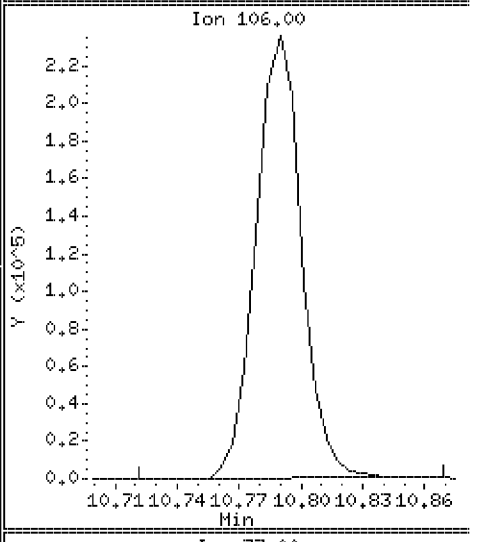


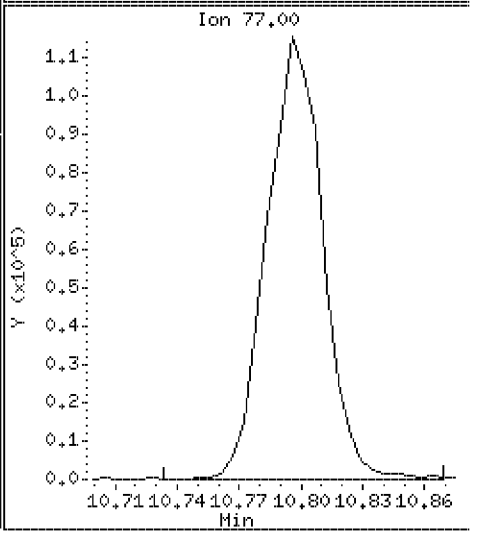












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

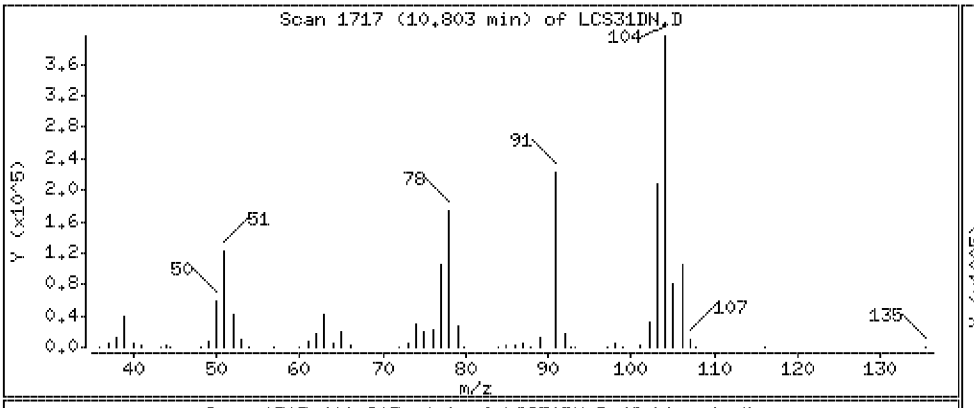
Operator:

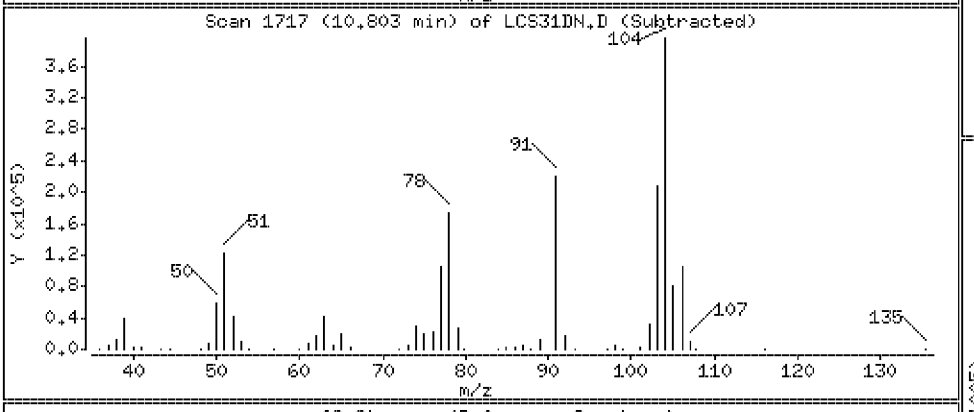
Column phase: RTX-502.2

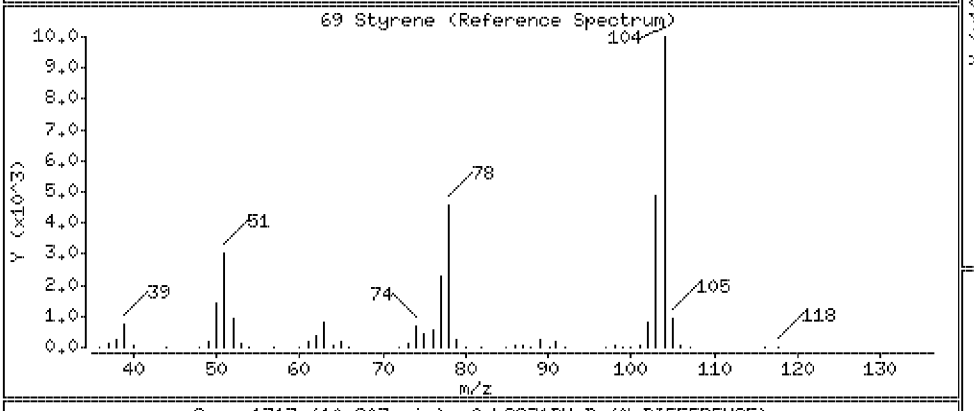
Column diameter: 0.18

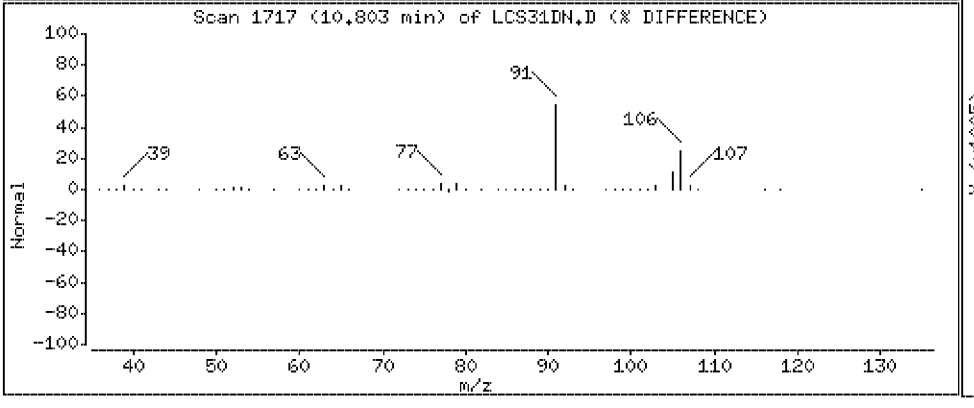
69 Styrene

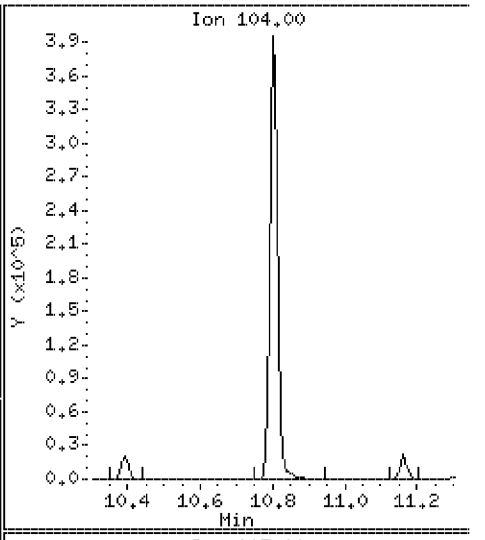
Concentration: 21.7 ug/l

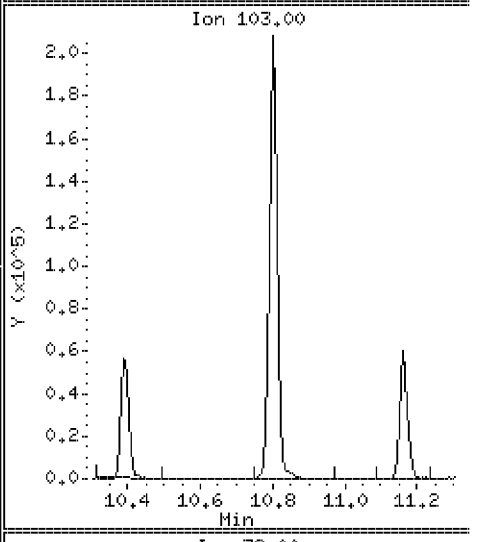


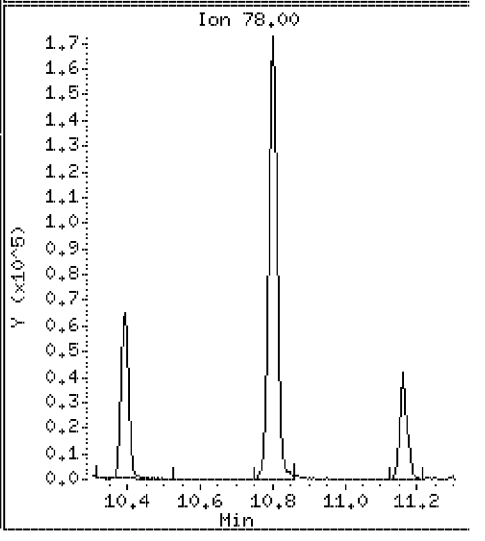












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

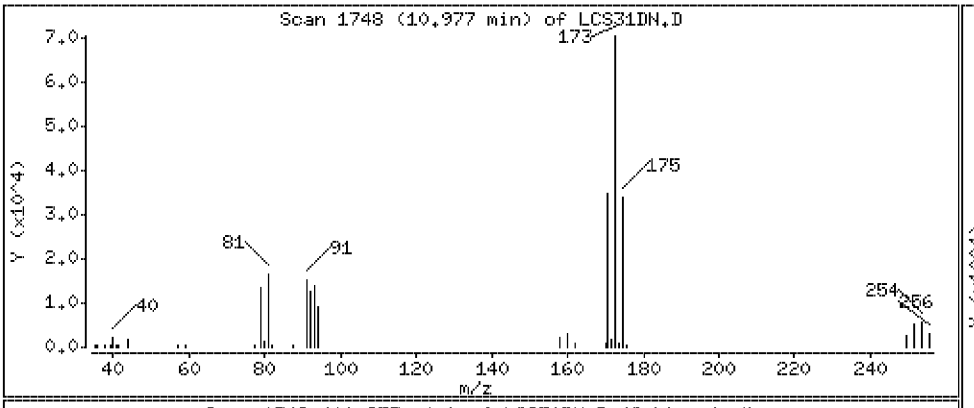
Operator:

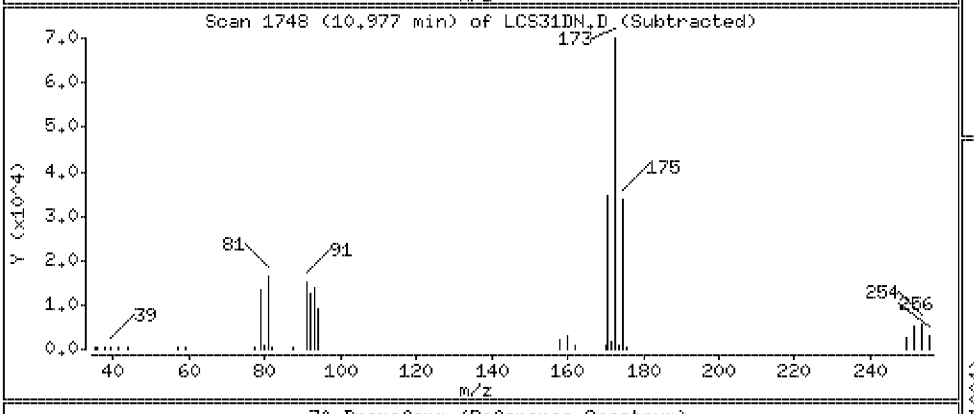
Column phase: RTX-502.2

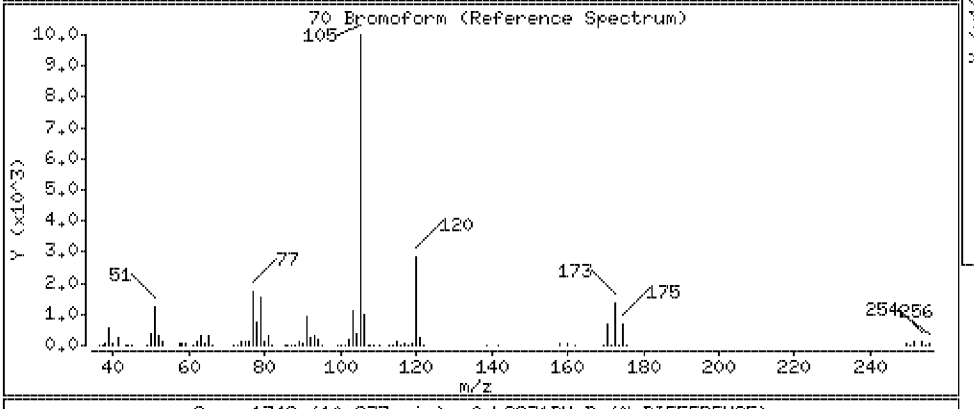
Column diameter: 0.18

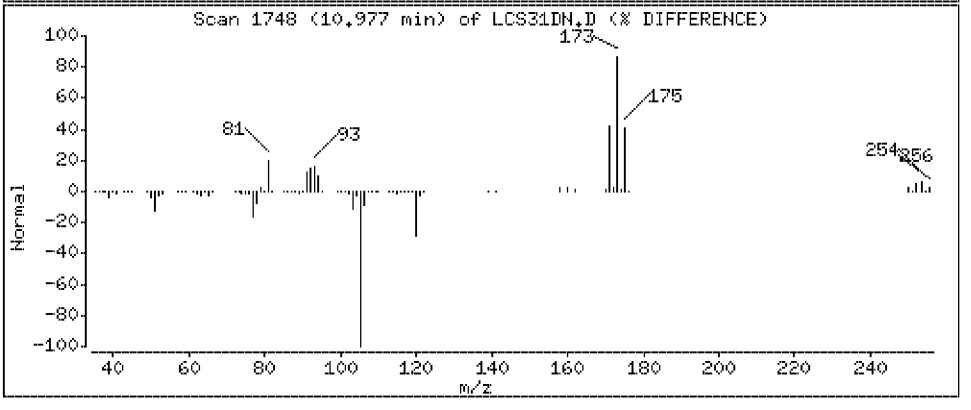
70 Bromoform

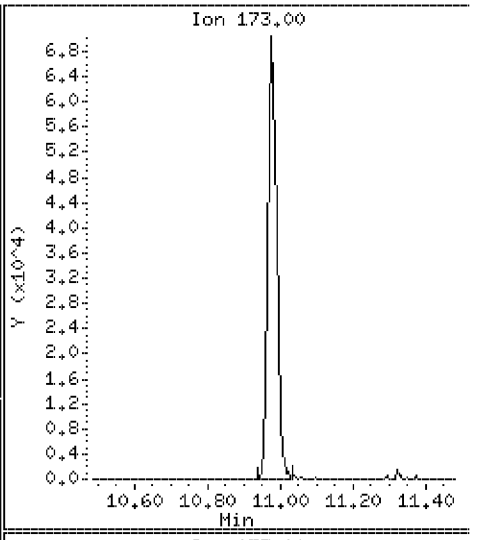
Concentration: 19.3 ug/l

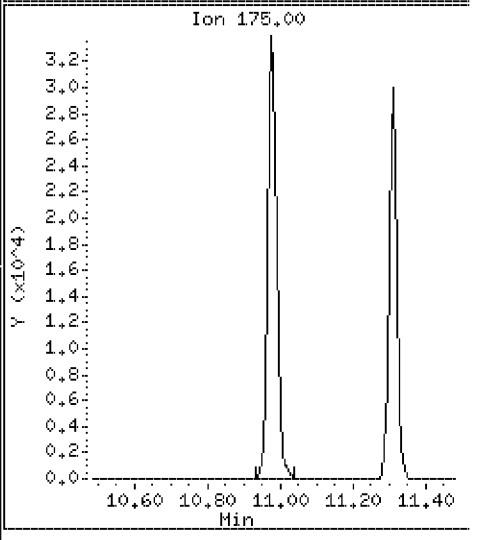












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

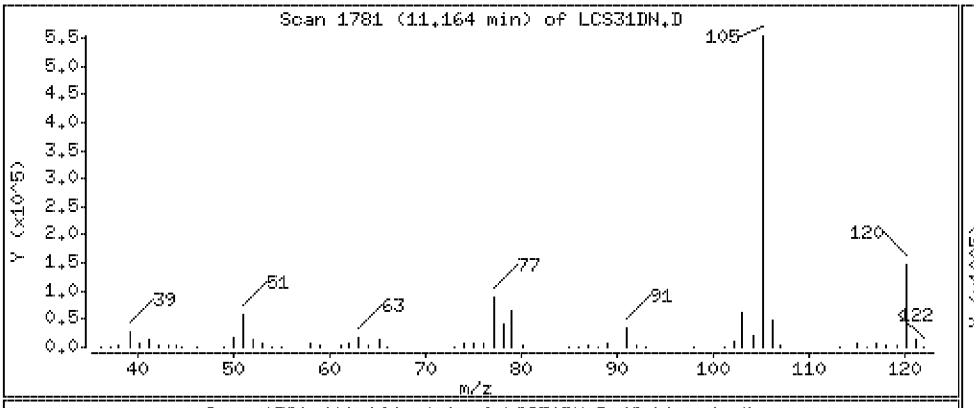
Operator:

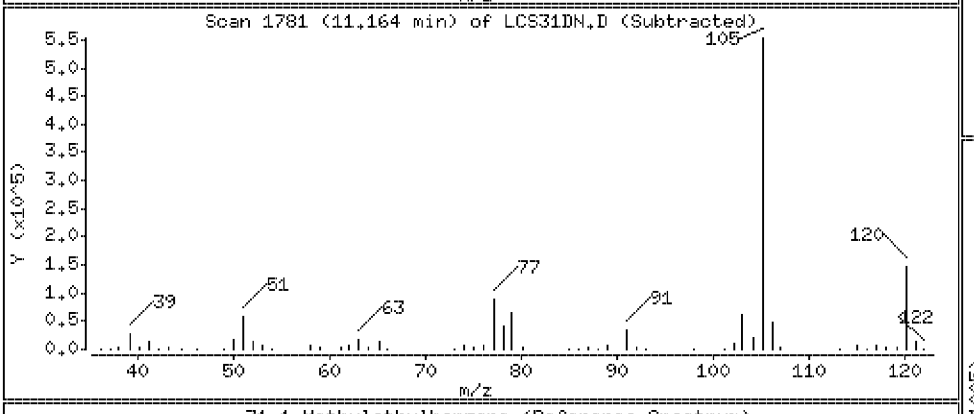
Column phase: RTX-502.2

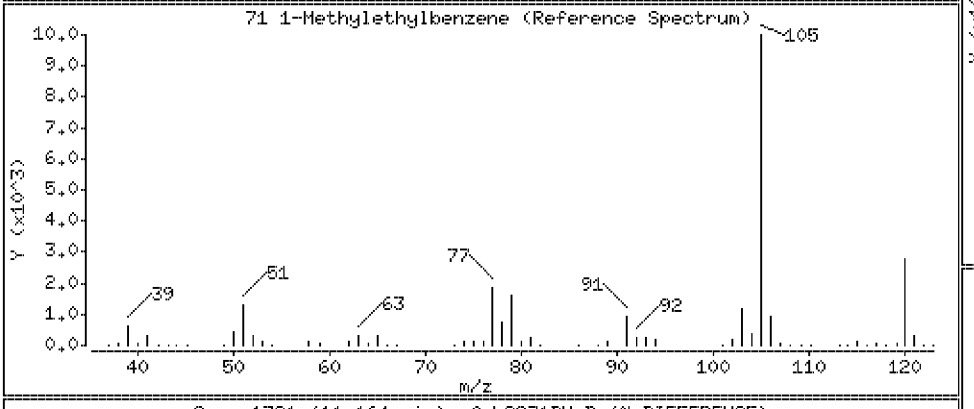
Column diameter: 0.18

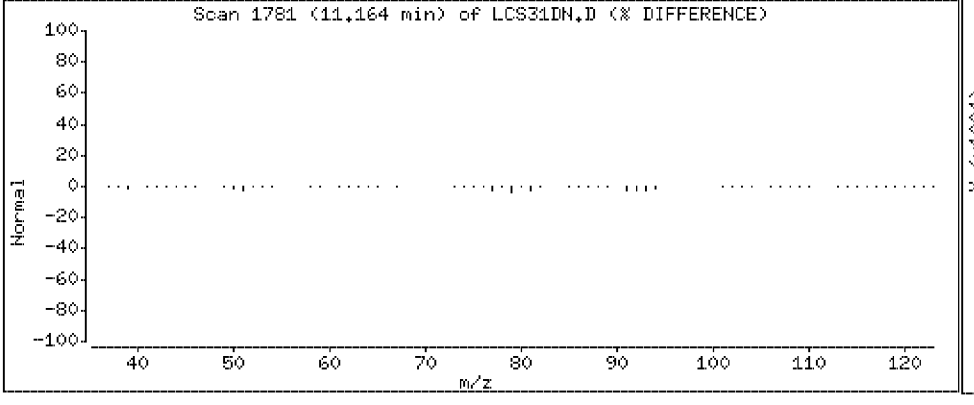
71 1-Methylethylbenzene

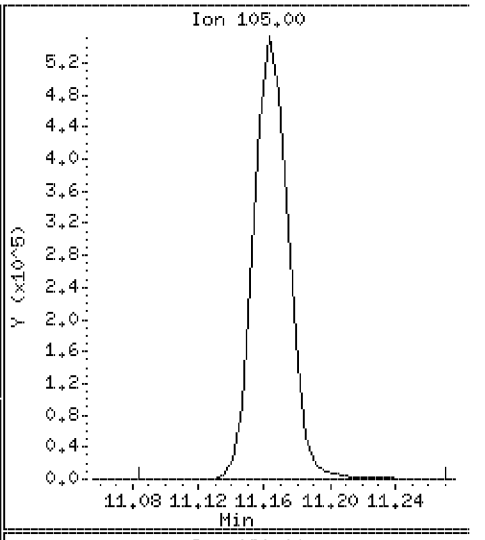
Concentration: 20.3 ug/l

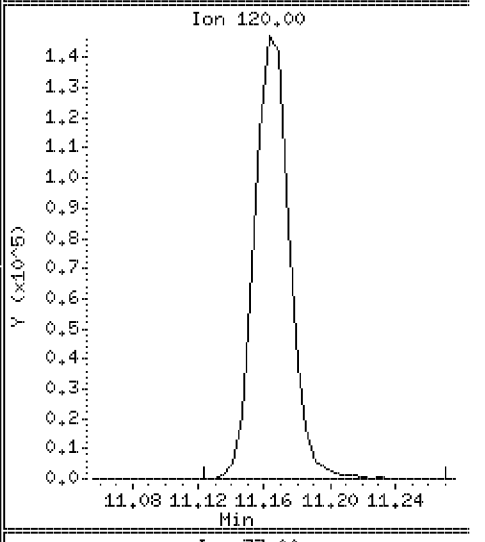


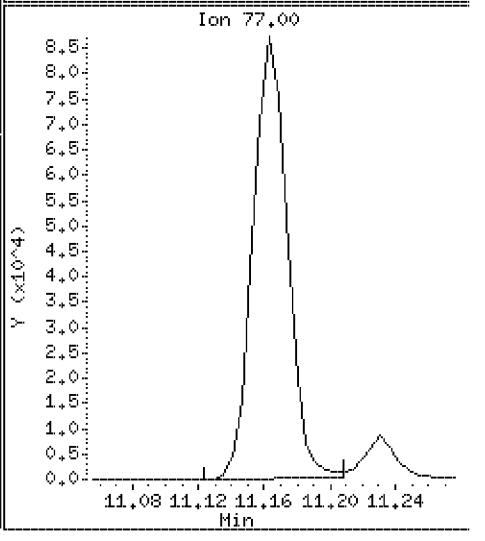












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

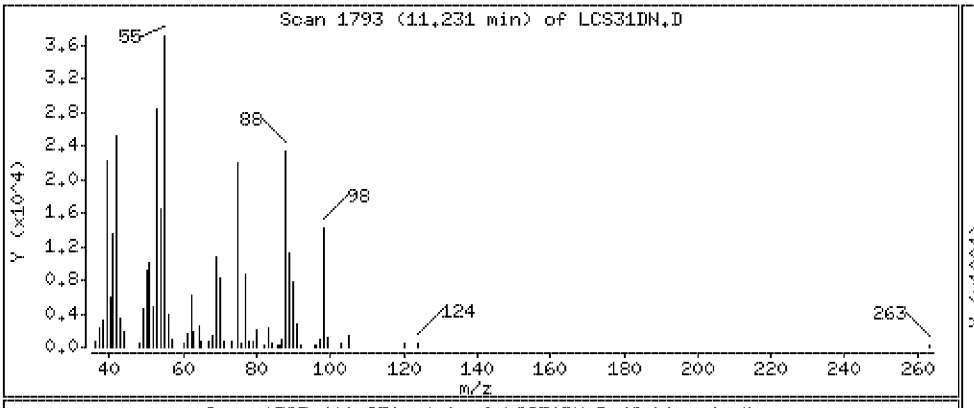
Operator:

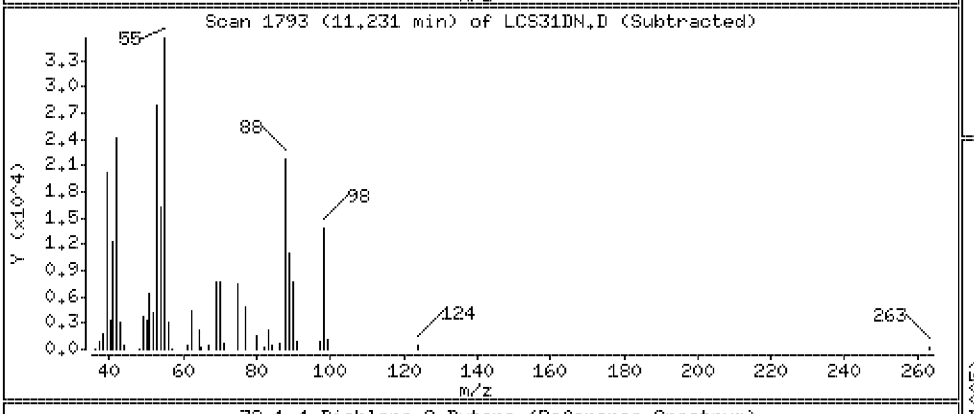
Column phase: RTX-502.2

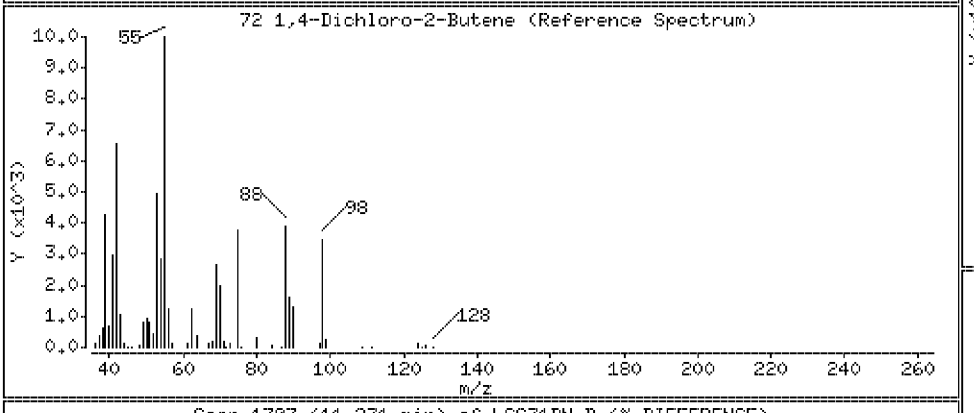
Column diameter: 0.18

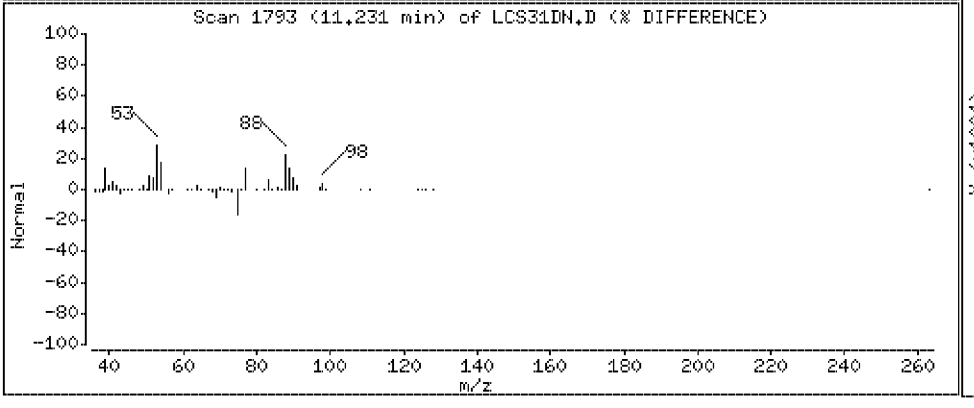
72 1,4-Dichloro-2-Butene

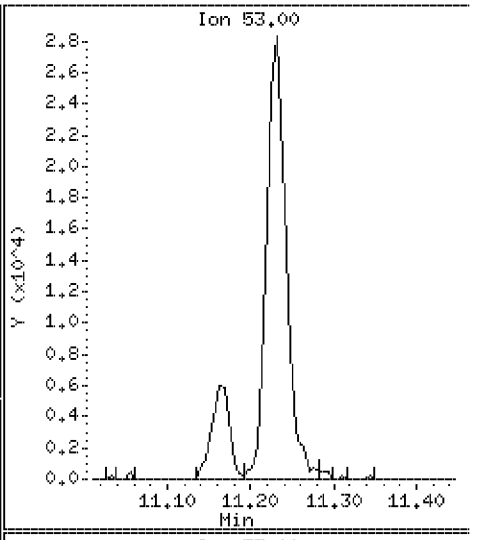
Concentration: 35.2 ug/l

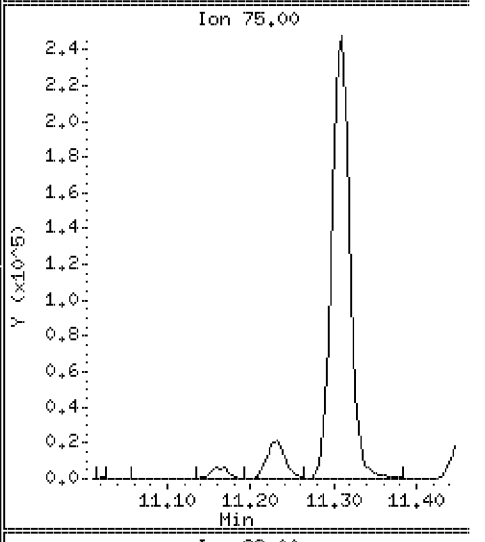


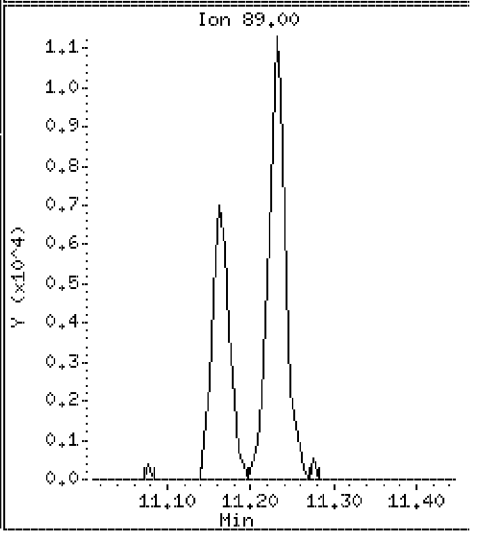












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

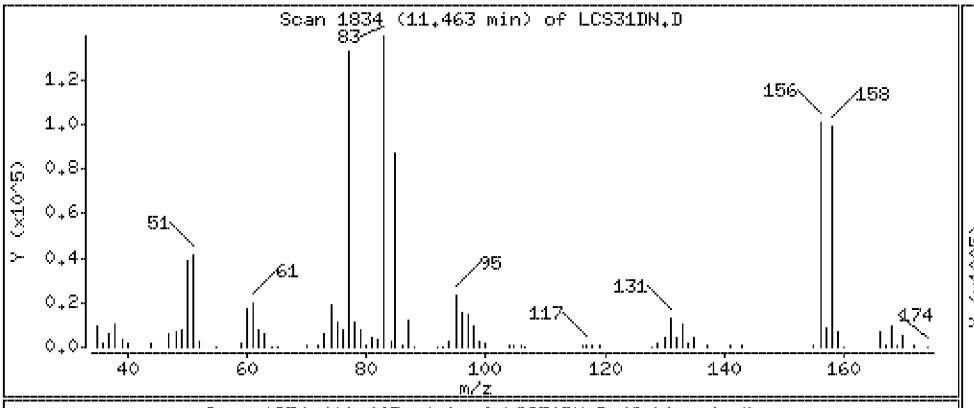
Operator:

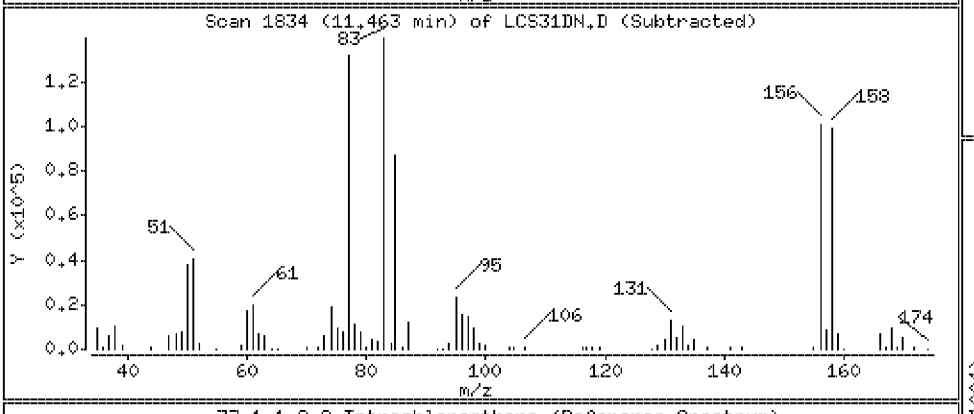
Column phase: RTX-502.2

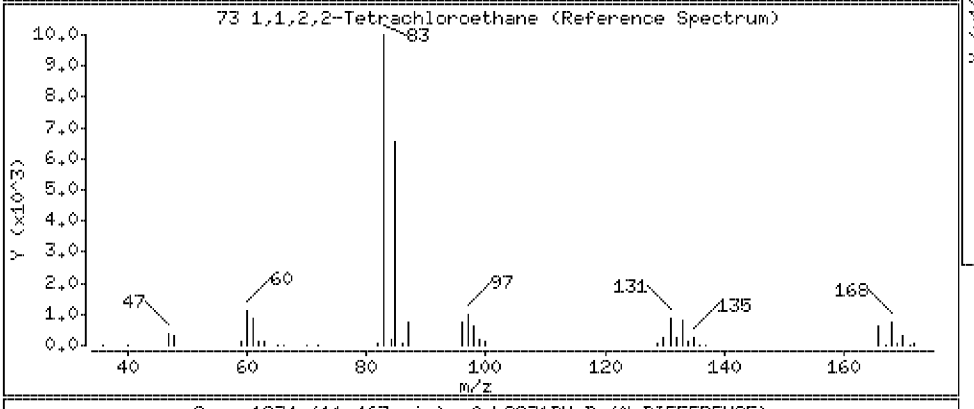
Column diameter: 0.18

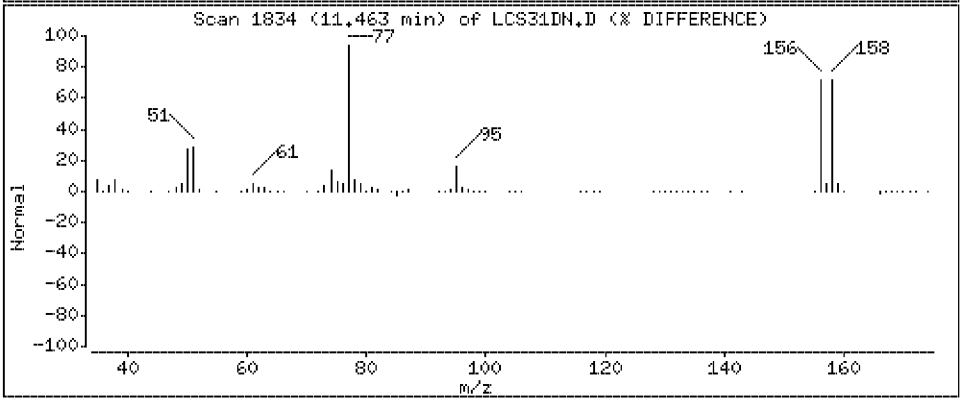
73 1,1,2,2-Tetrachloroethane

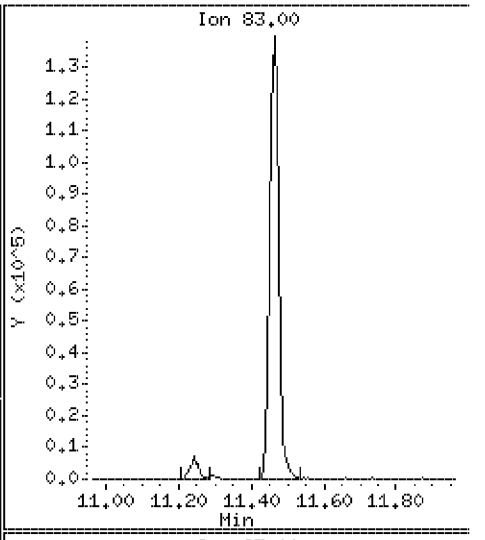
Concentration: 19.1 ug/l

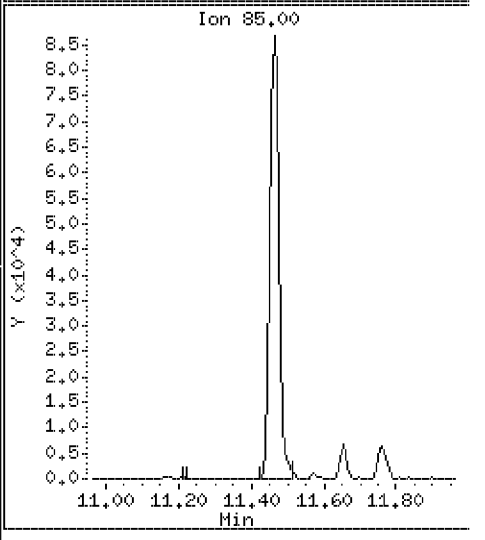












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

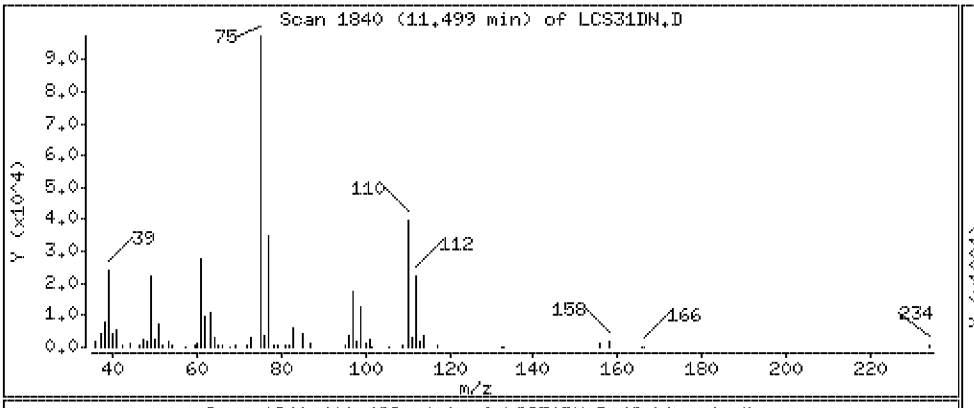
Operator:

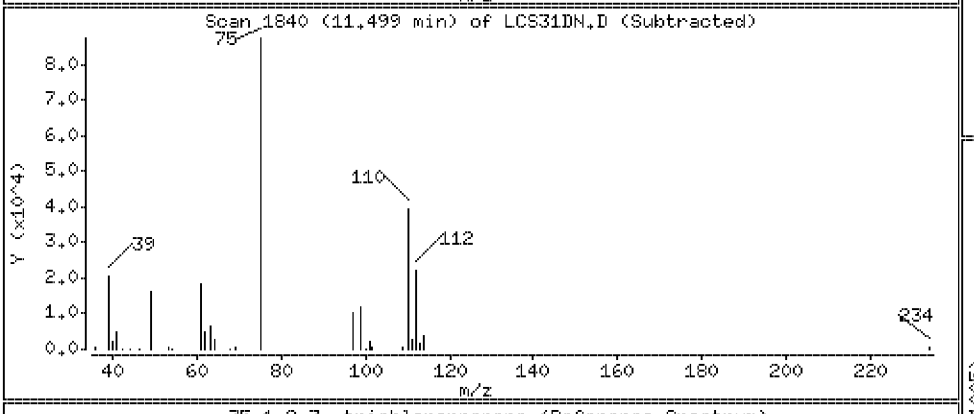
Column phase: RTX-502.2

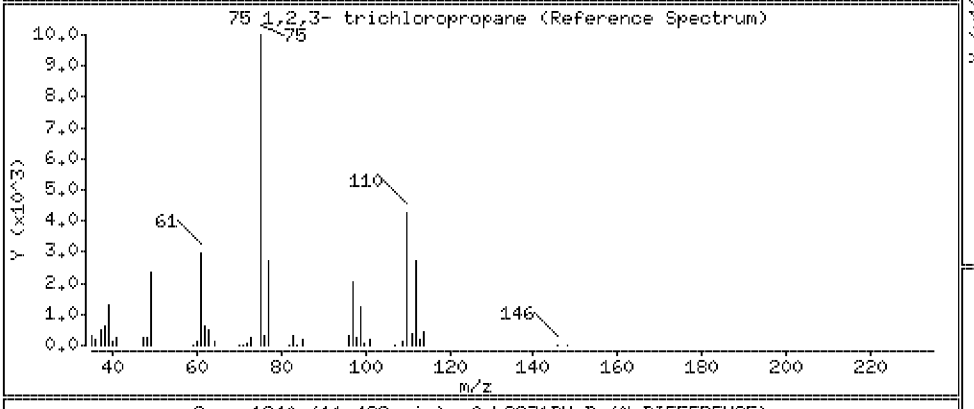
Column diameter: 0.18

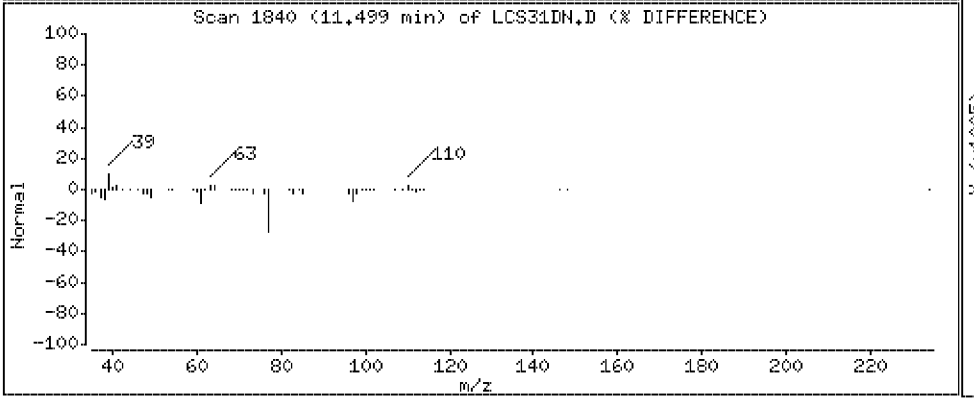
75 1,2,3- trichloropropane

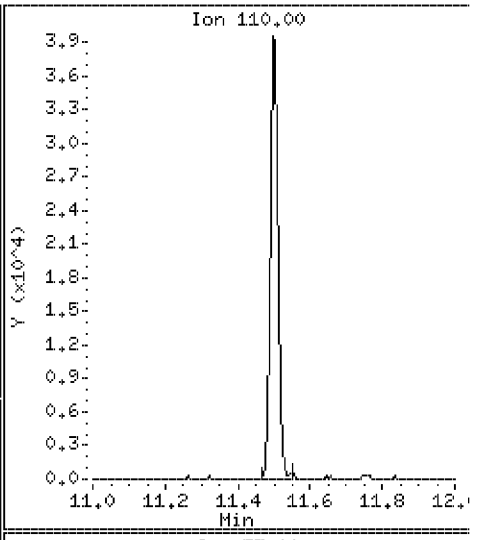
Concentration: 18.6 ug/l

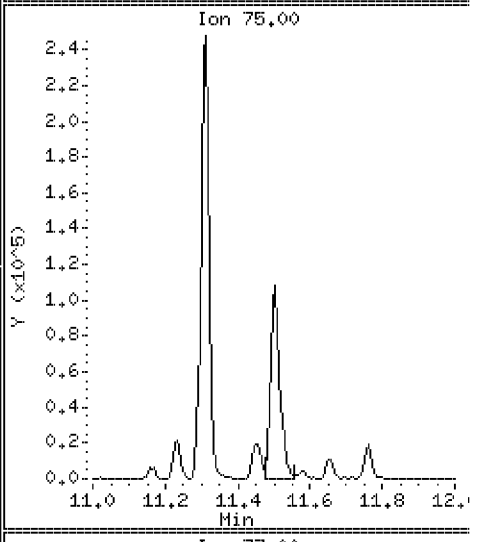


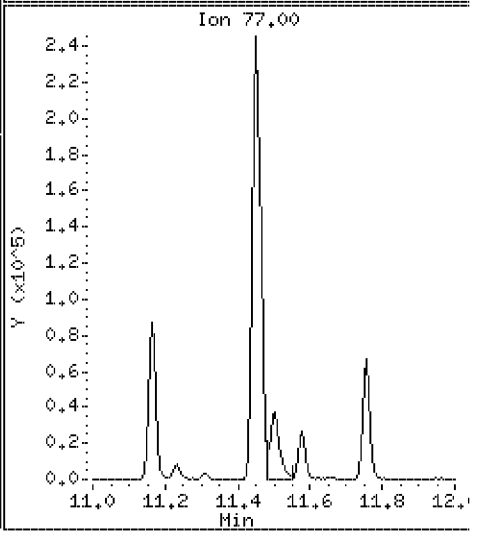












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

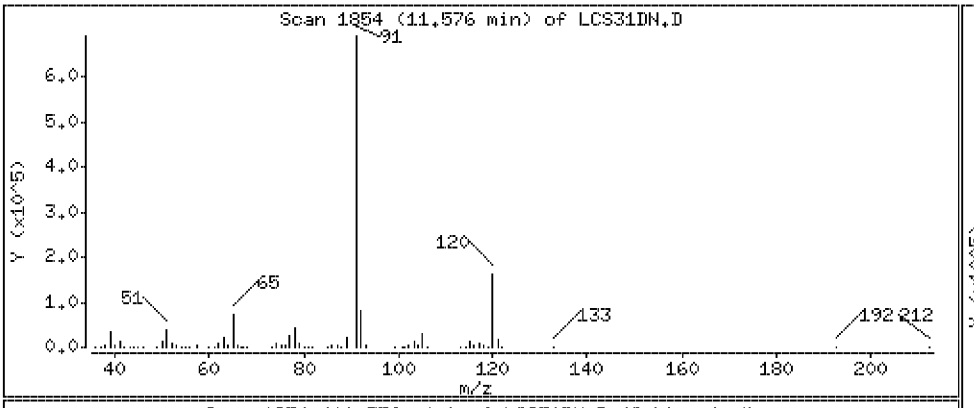
Operator:

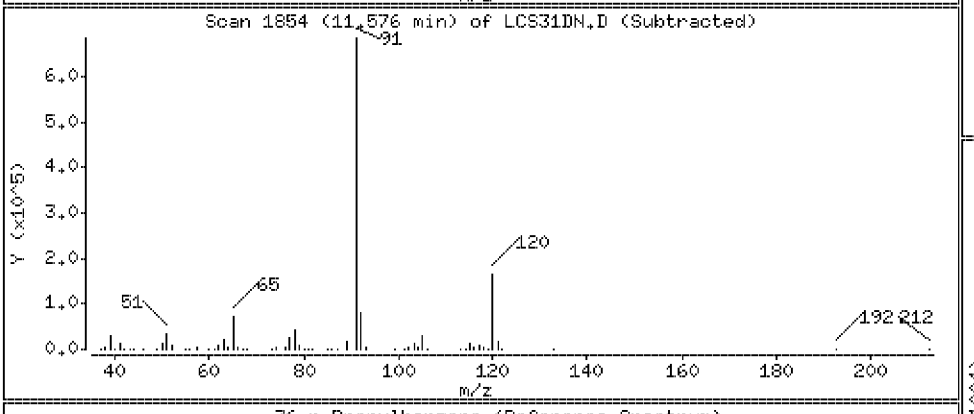
Column phase: RTX-502.2

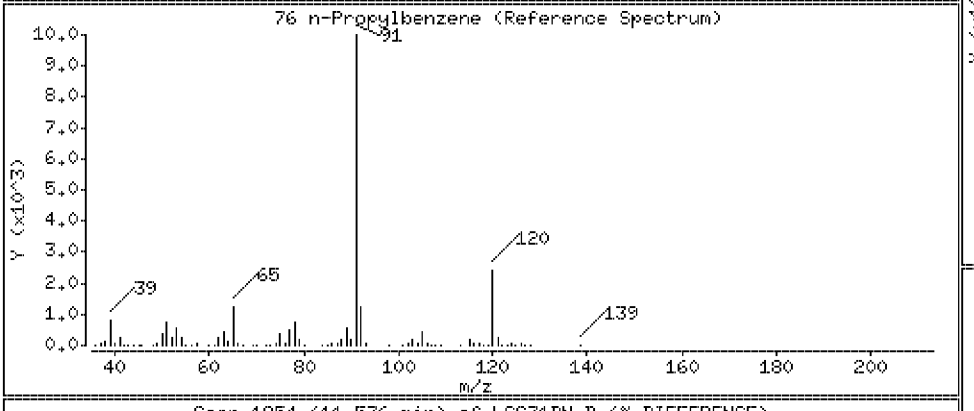
Column diameter: 0.18

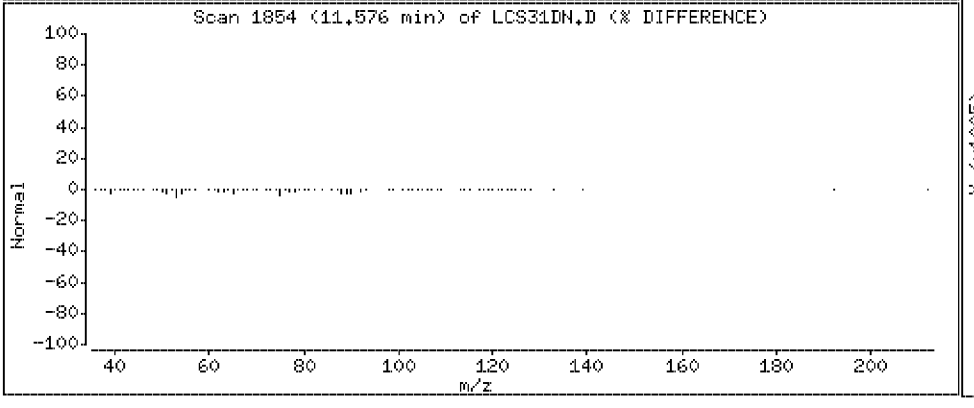
76 n-Propylbenzene

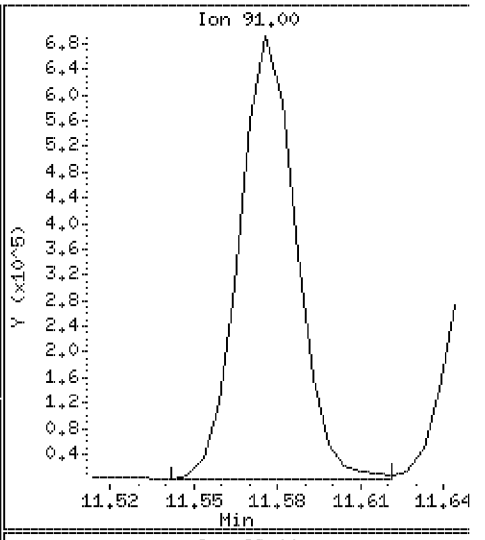
Concentration: 20.8 ug/l

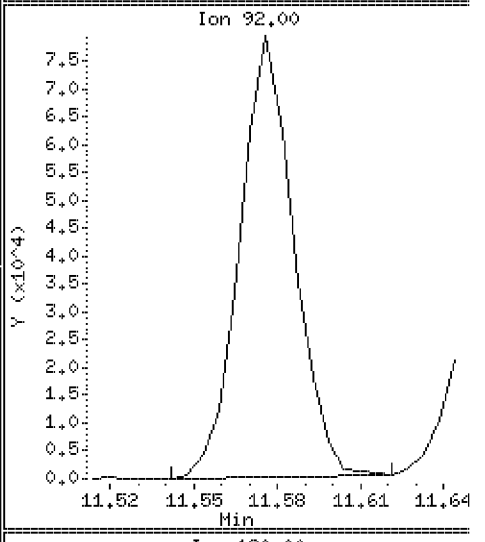


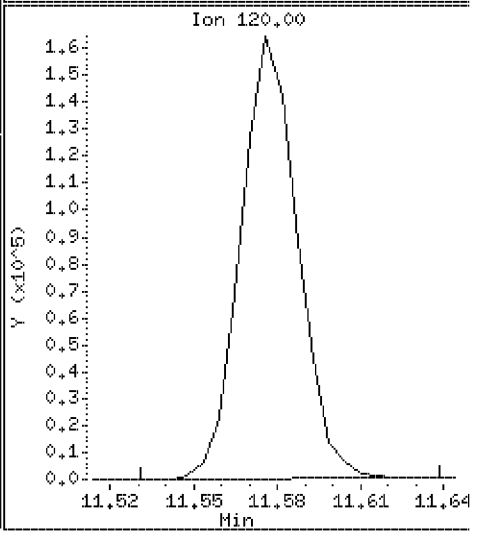












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

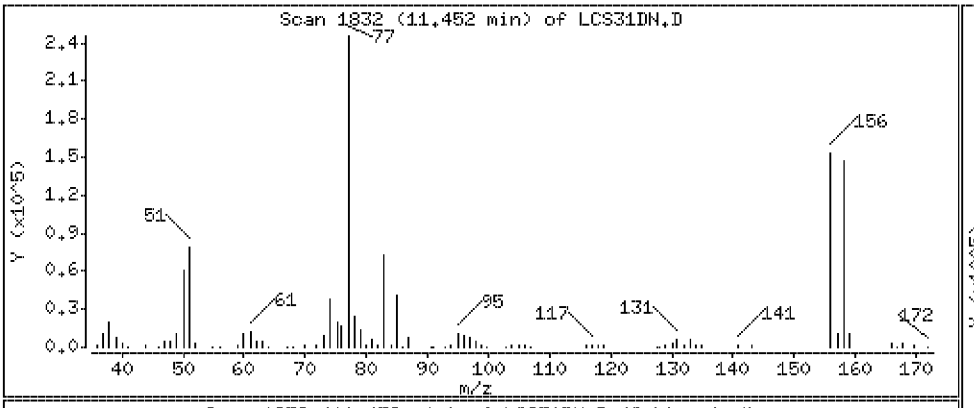
Operator:

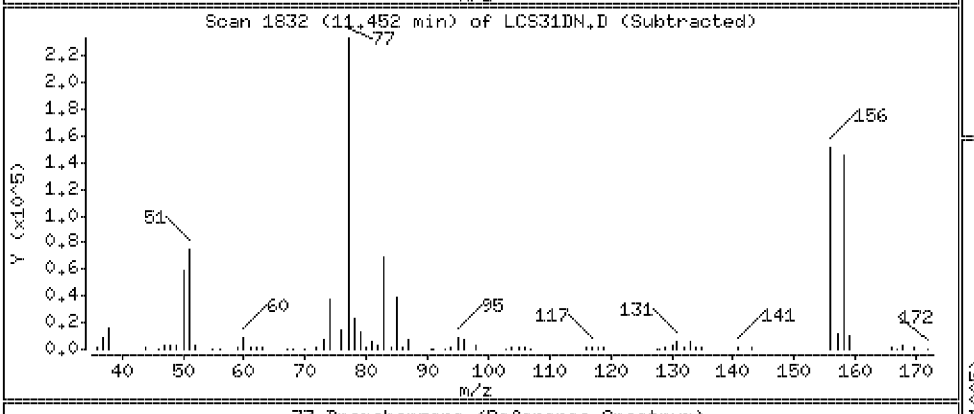
Column phase: RTX-502.2

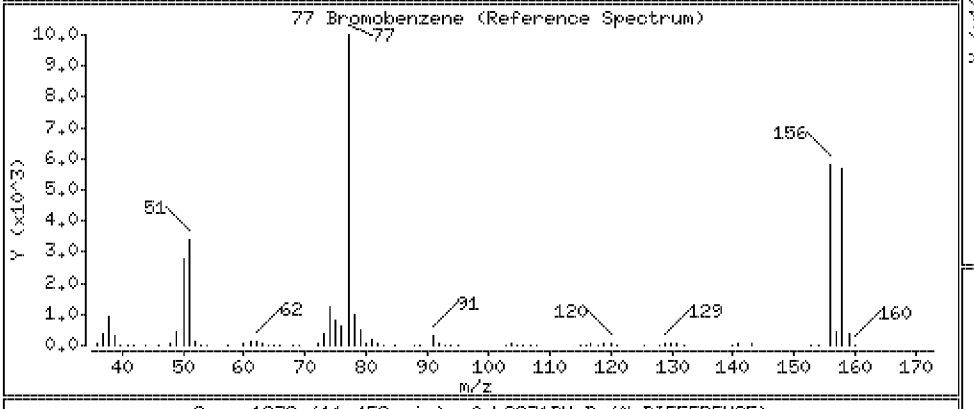
Column diameter: 0.18

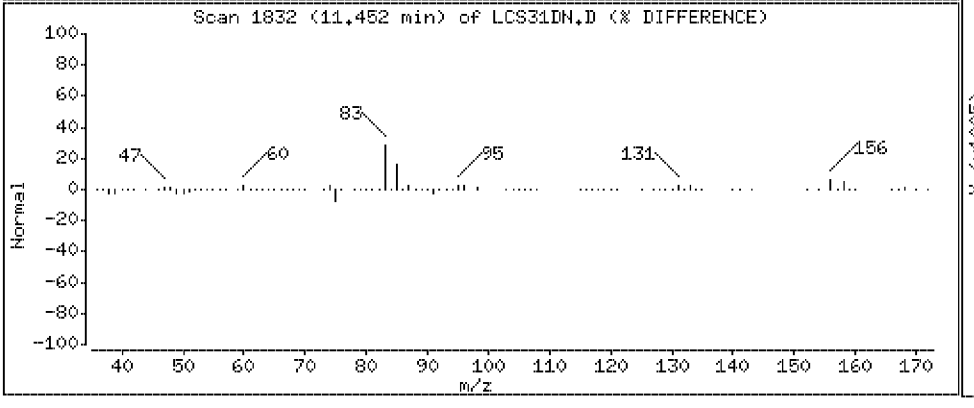
77 Bromobenzene

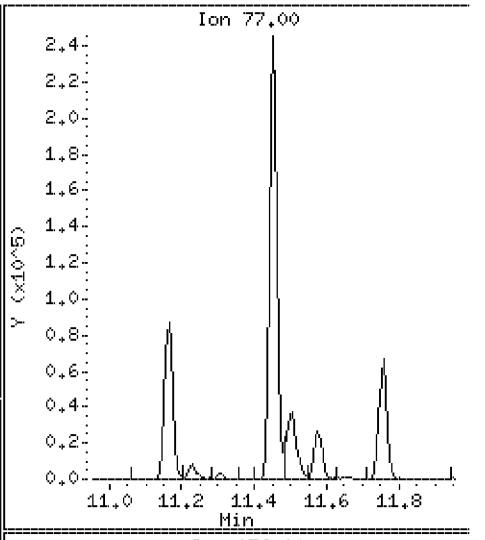
Concentration: 19.3 ug/l

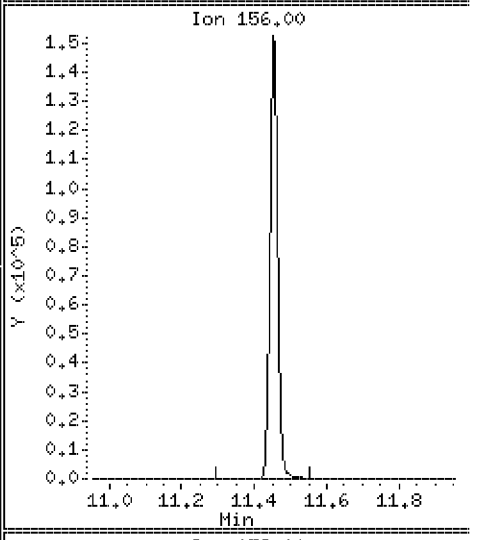


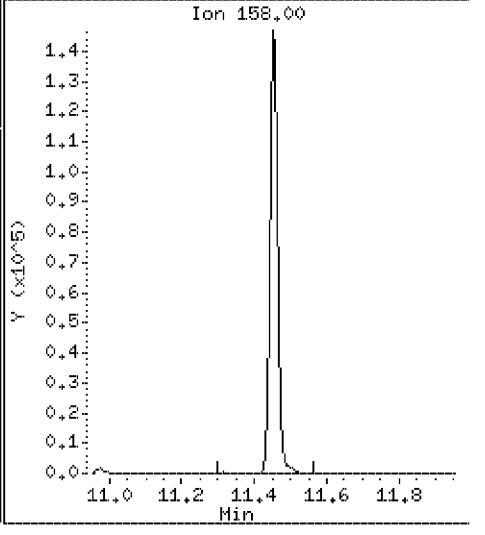












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

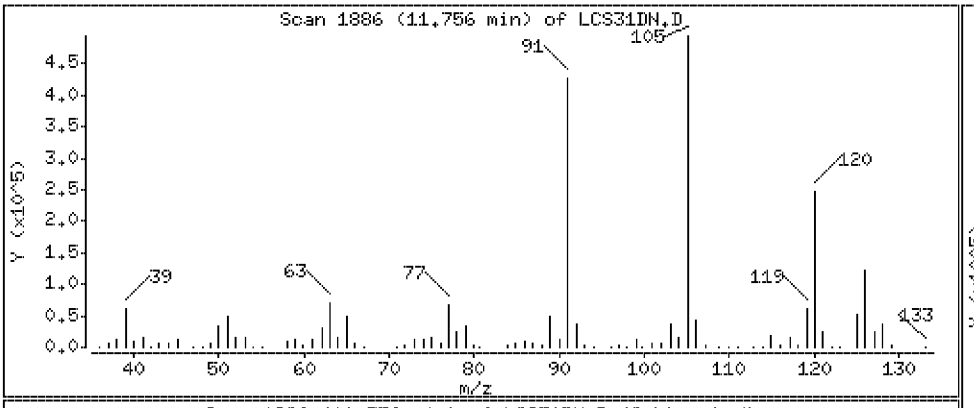
Operator:

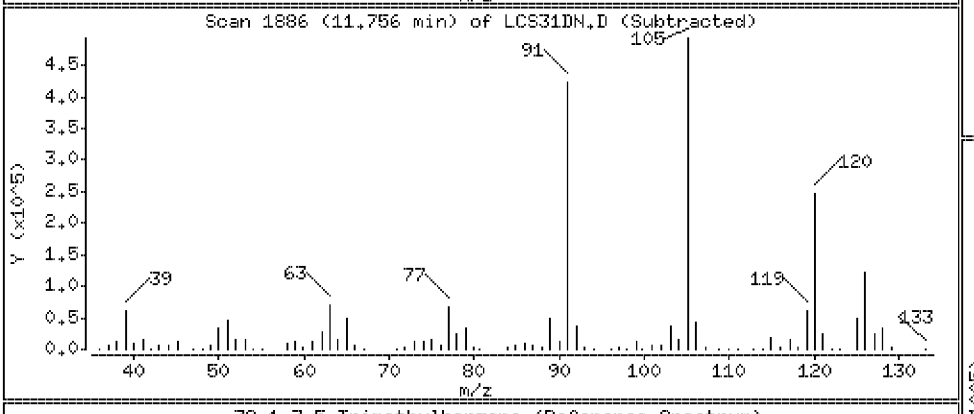
Column phase: RTX-502.2

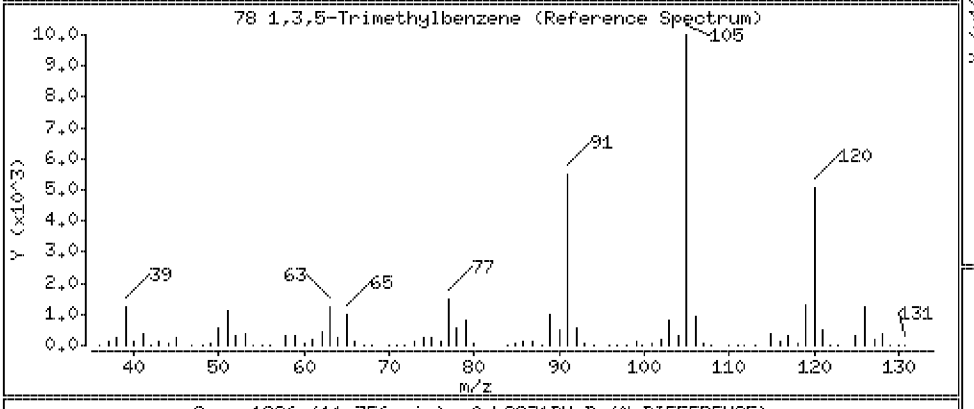
Column diameter: 0.18

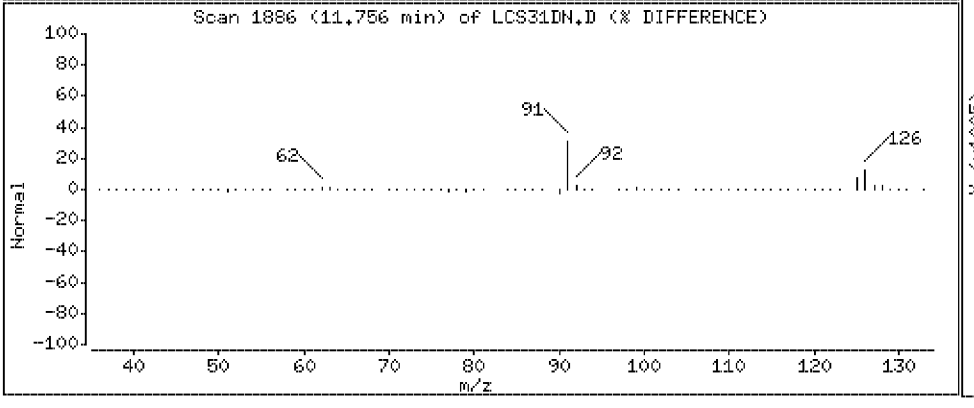
78 1,3,5-Trimethylbenzene

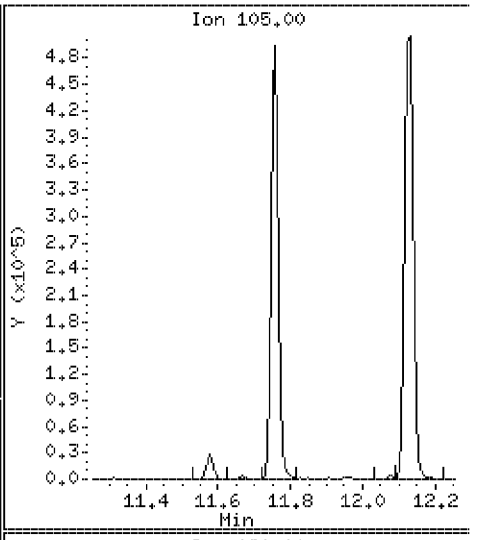
Concentration: 20.5 ug/l

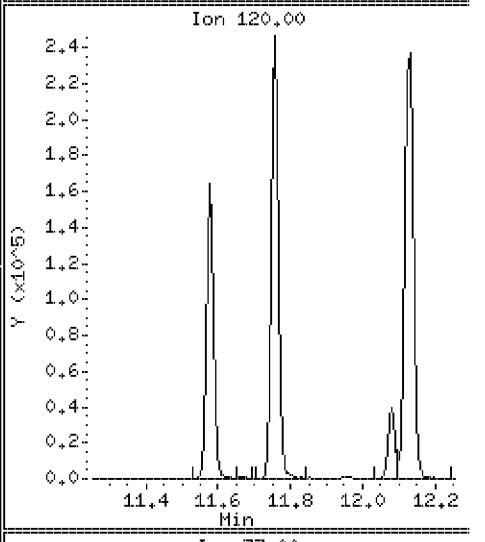


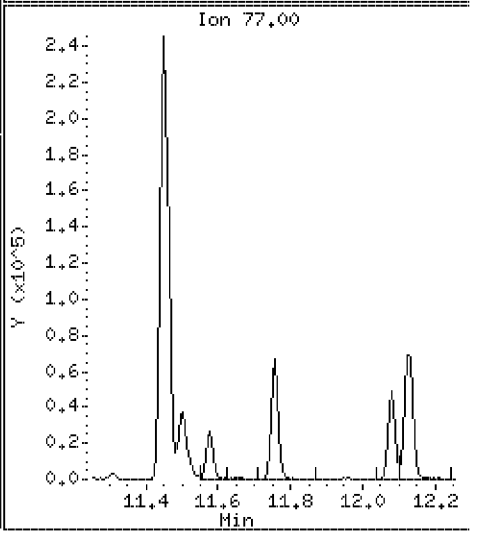












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

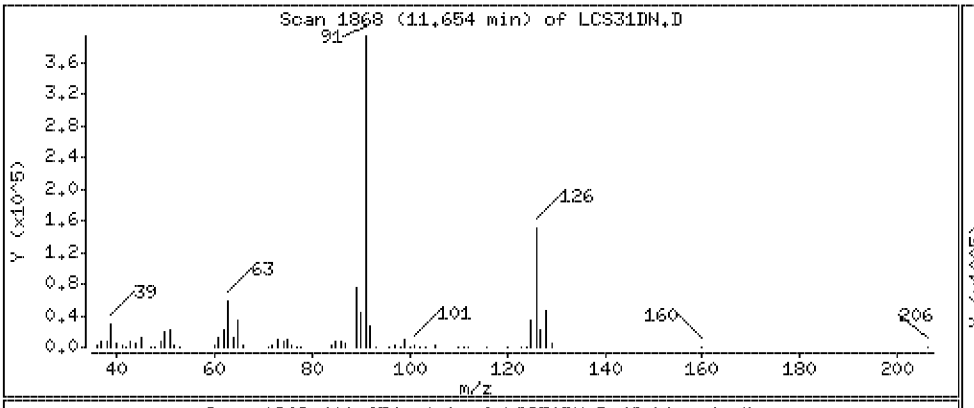
Operator:

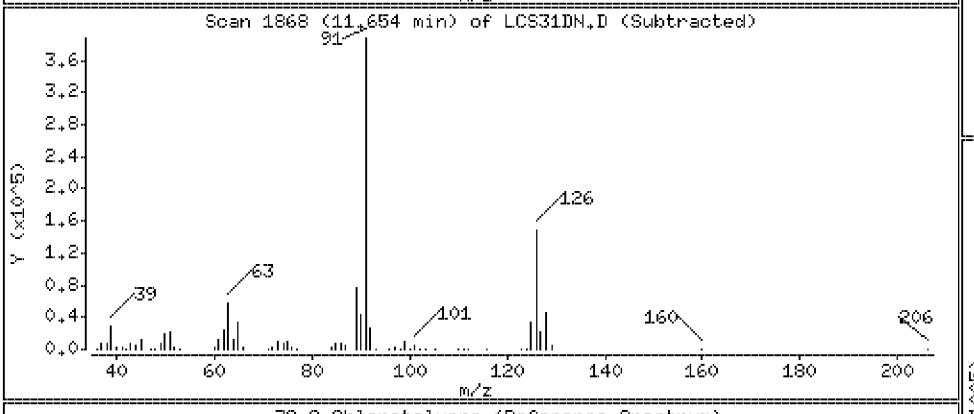
Column phase: RTX-502.2

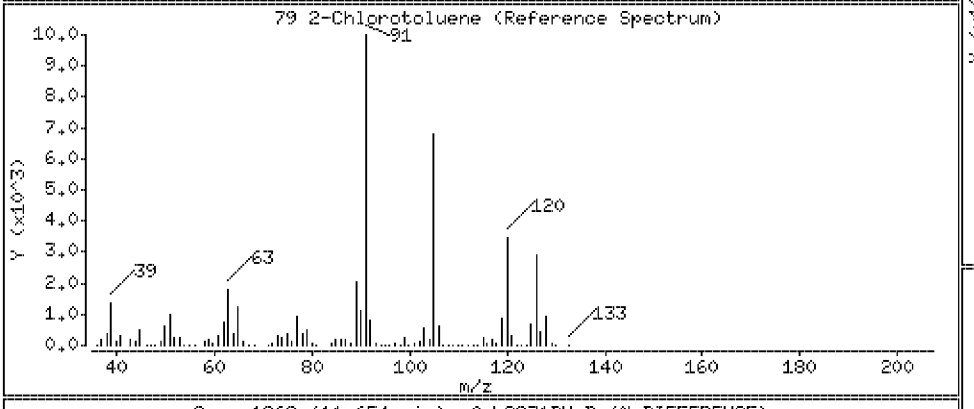
Column diameter: 0.18

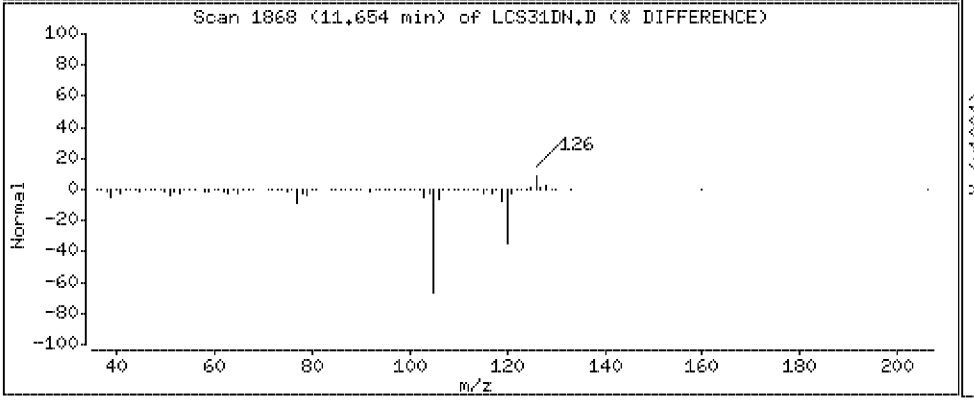
79 2-Chlorotoluene

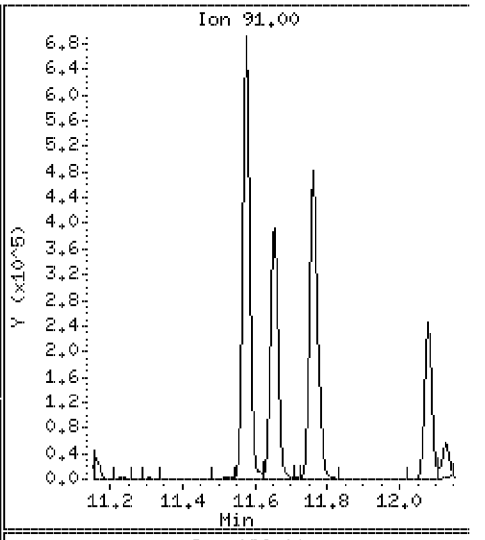
Concentration: 20.0 ug/l

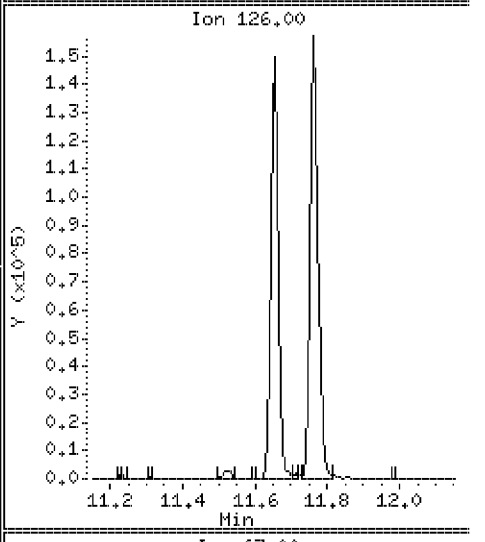


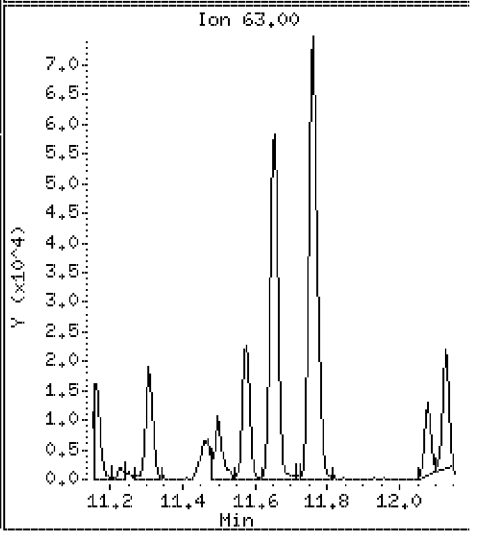












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

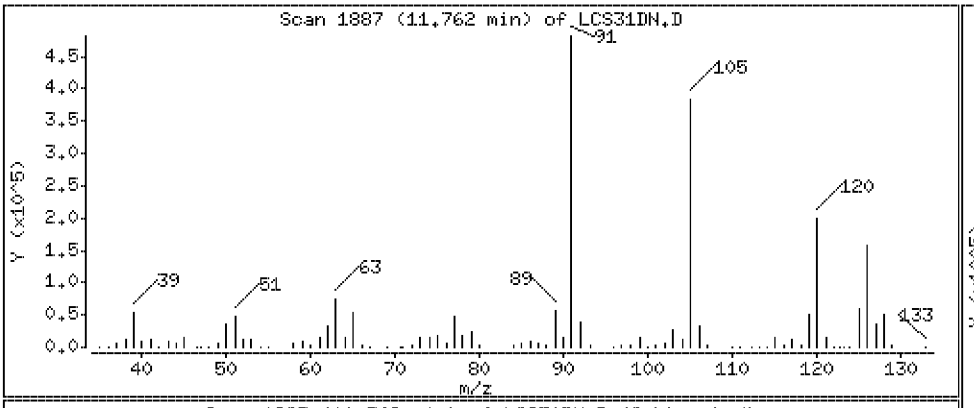
Operator:

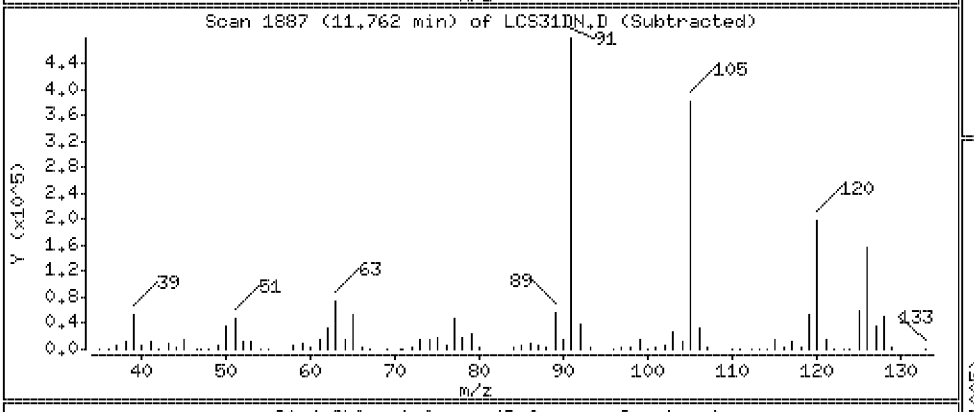
Column phase: RTX-502.2

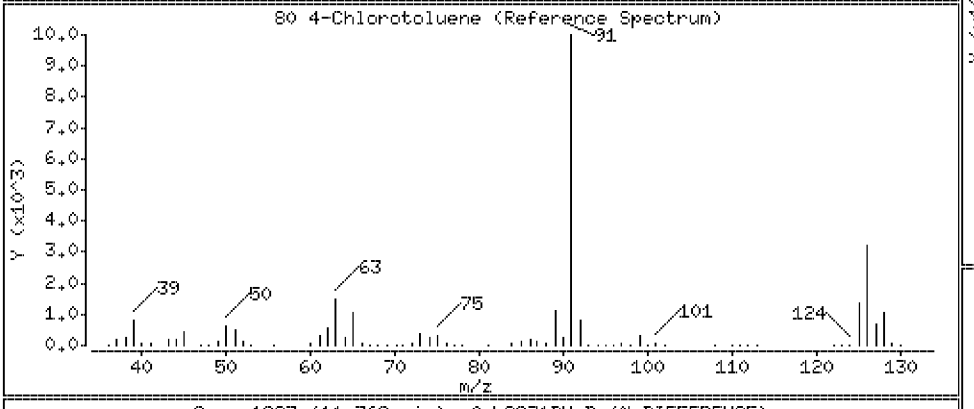
Column diameter: 0.18

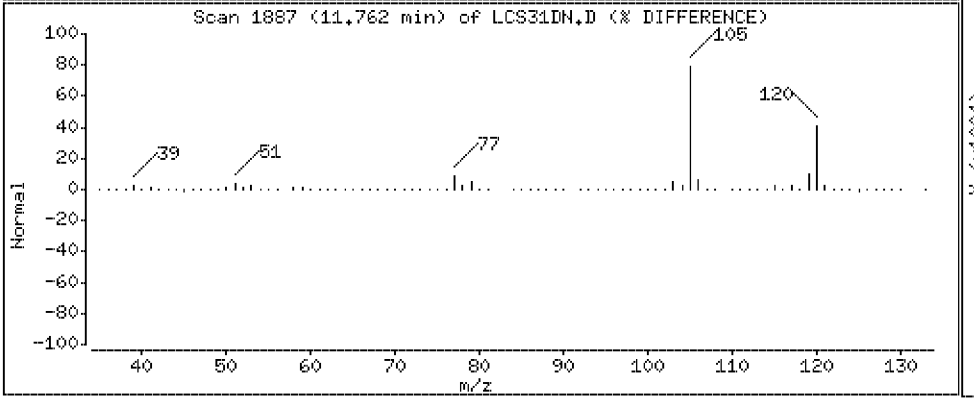
80 4-Chlorotoluene

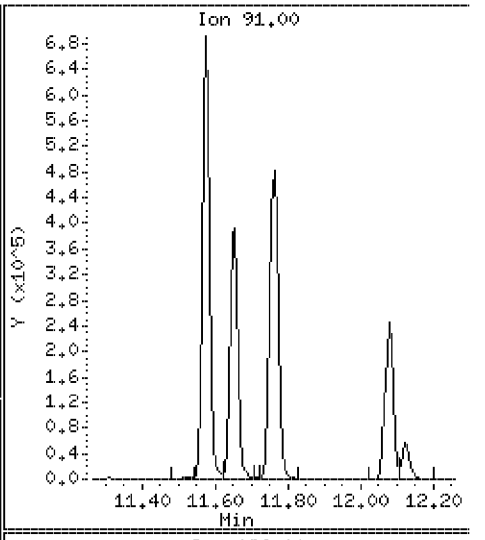
Concentration: 20.3 ug/l

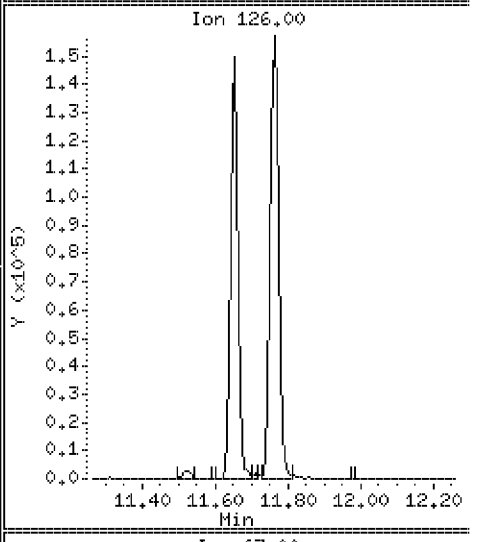


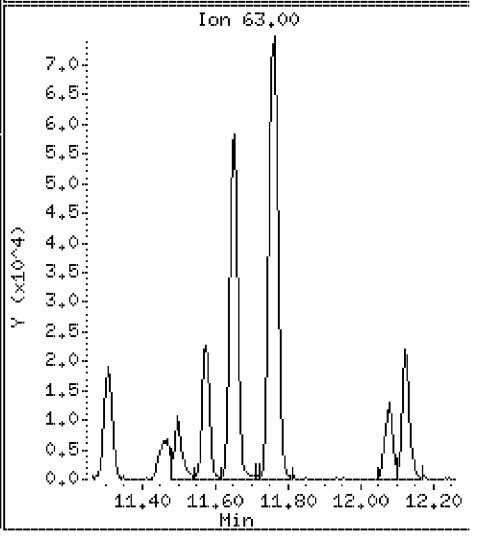












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

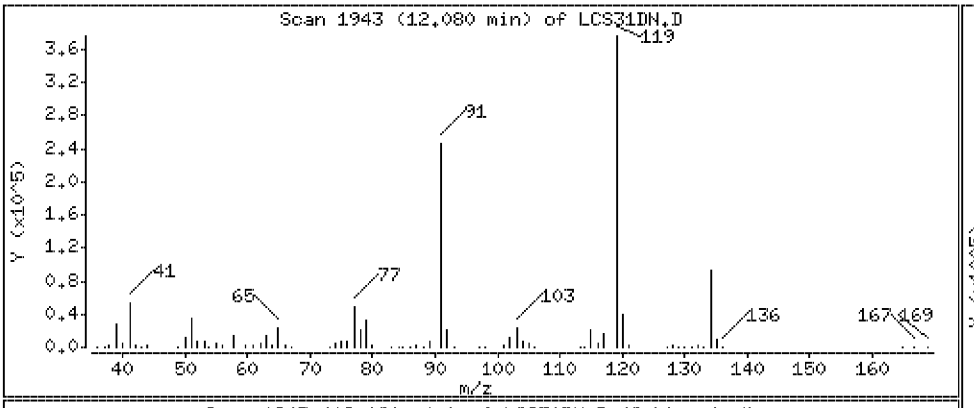
Operator:

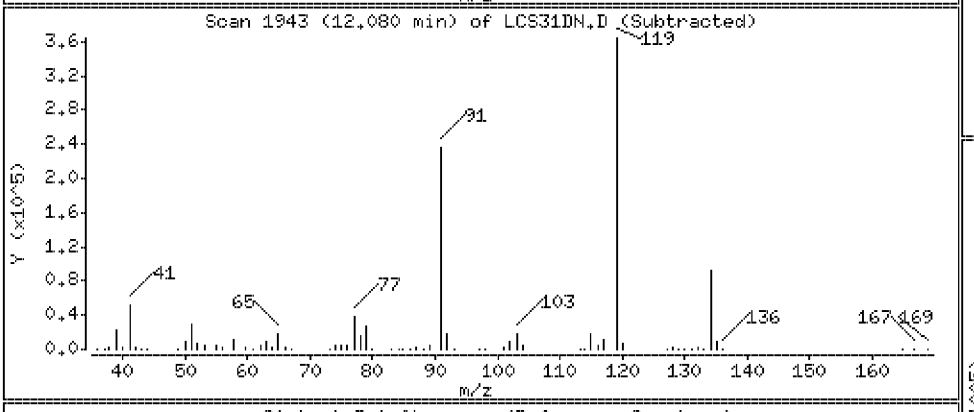
Column phase: RTX-502.2

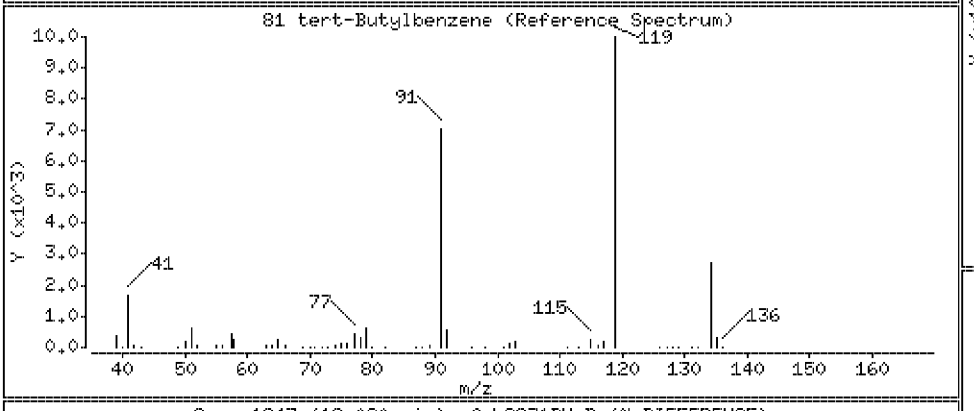
Column diameter: 0.18

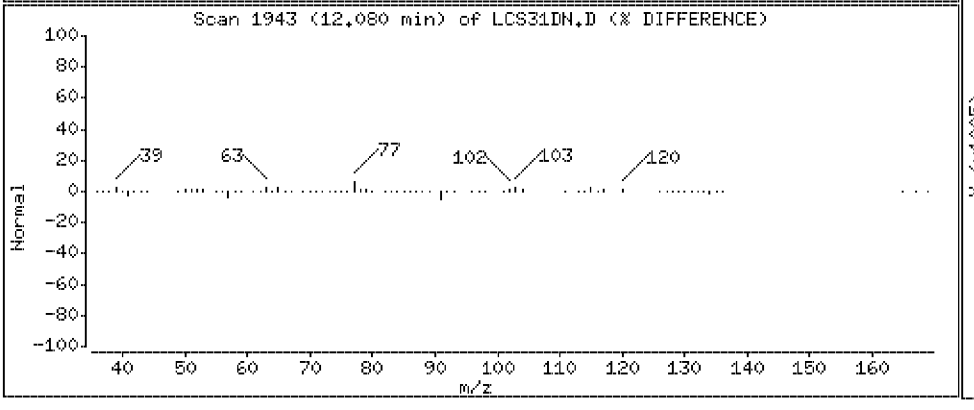
81 tert-Butylbenzene

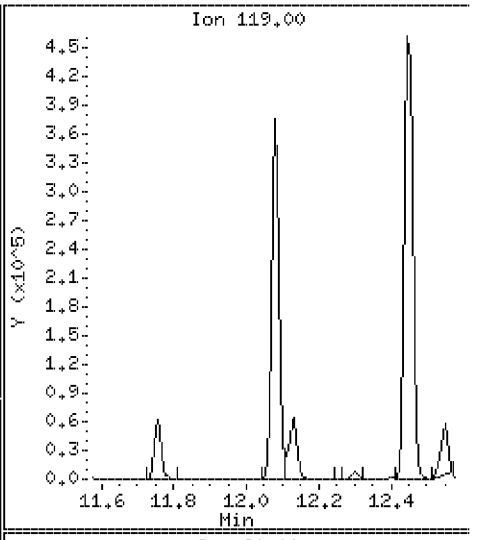
Concentration: 20.3 ug/l

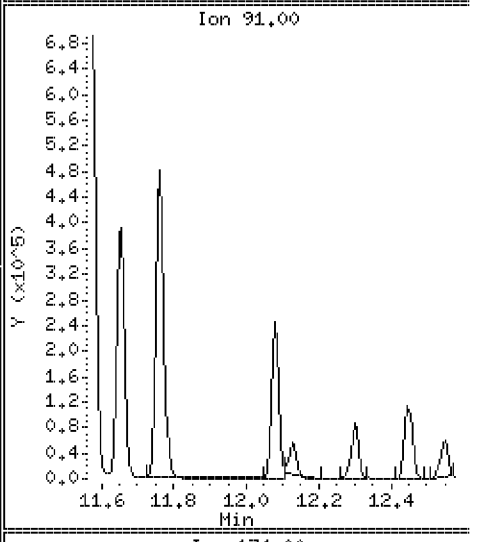


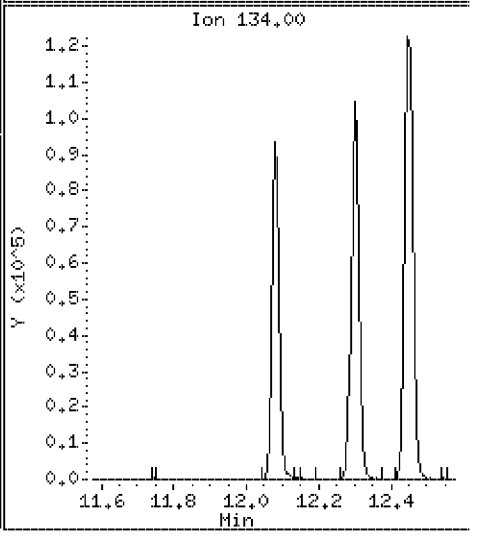












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

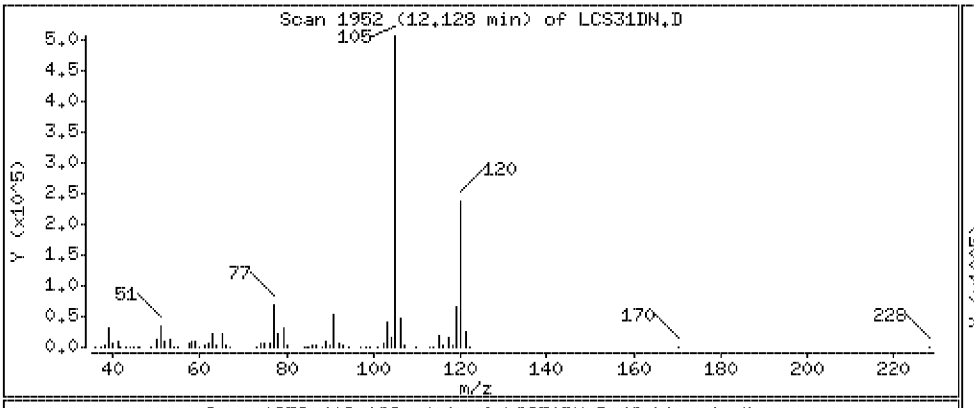
Operator:

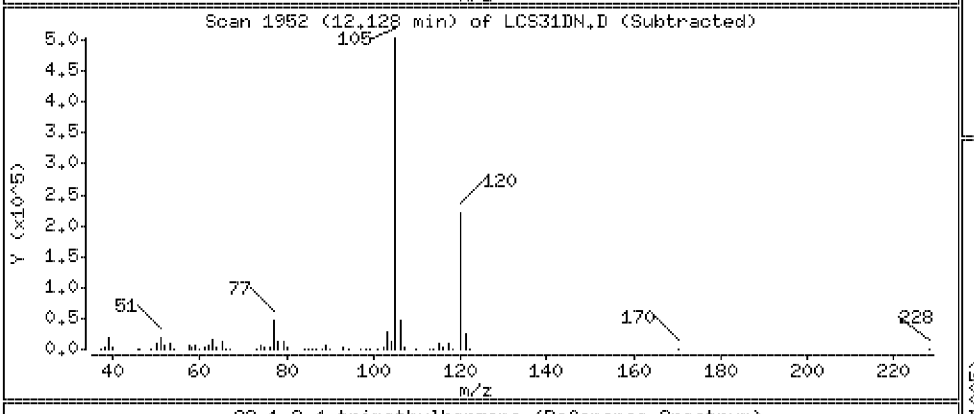
Column phase: RTX-502.2

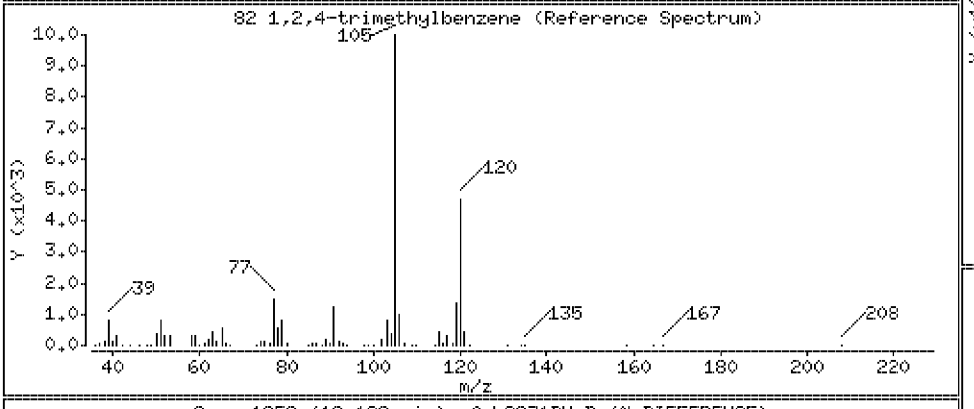
Column diameter: 0.18

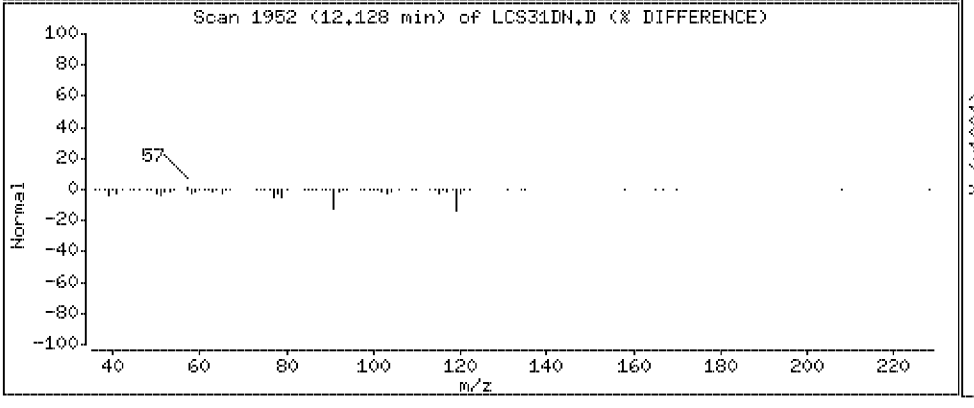
82 1,2,4-trimethylbenzene

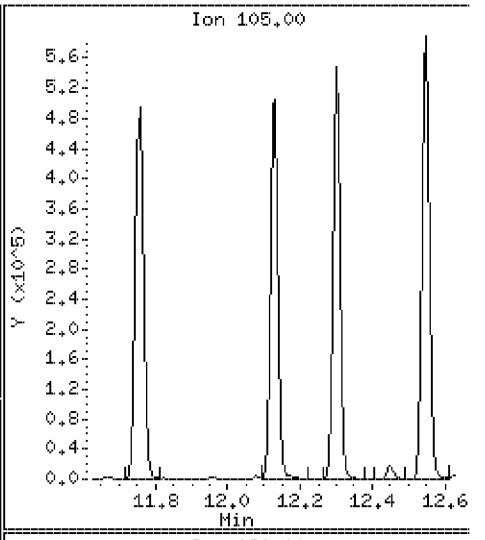
Concentration: 20.5 ug/l

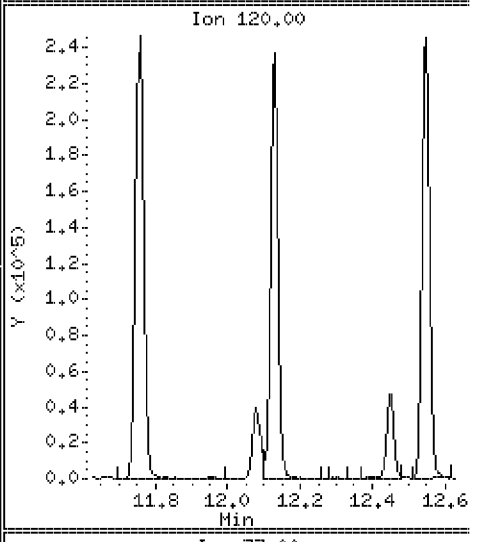


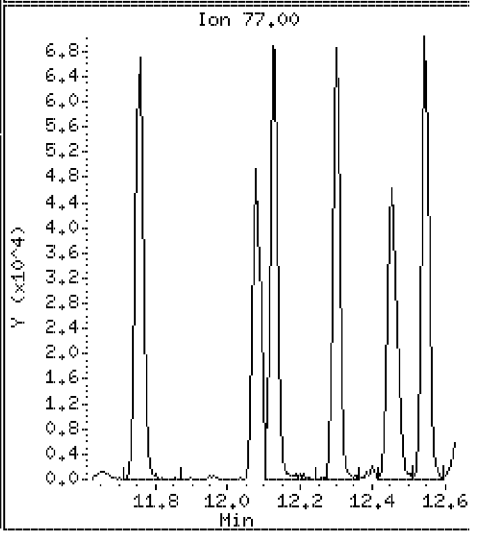












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

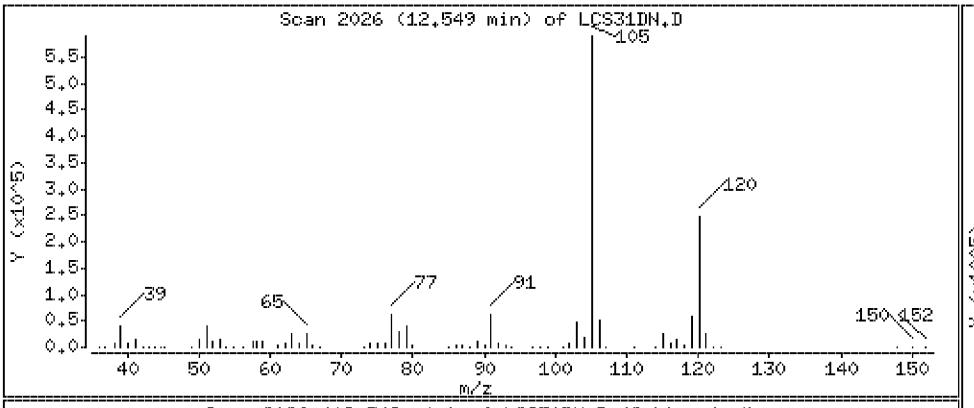
Operator:

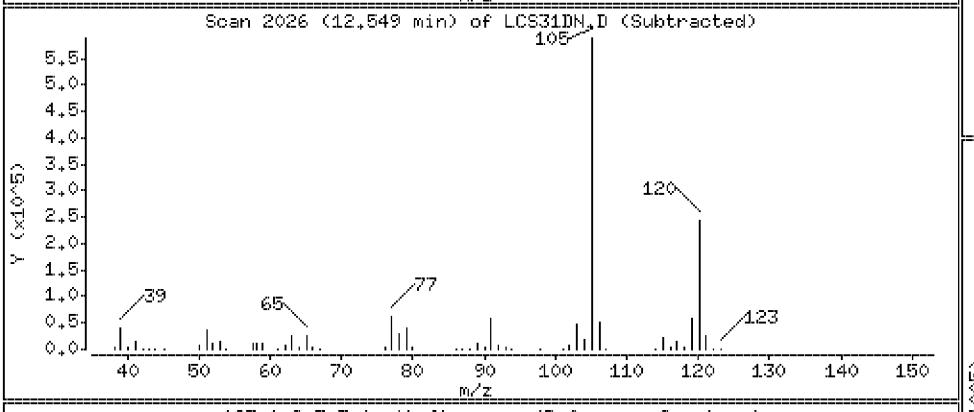
Column phase: RTX-502.2

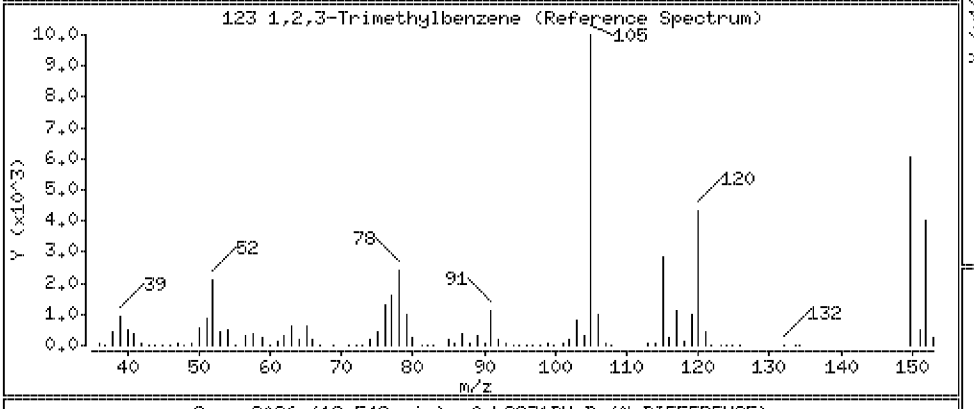
Column diameter: 0.18

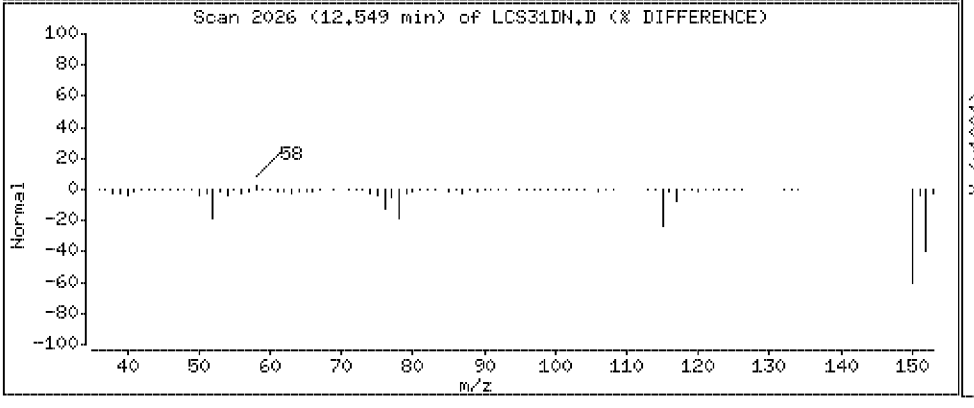
123 1,2,3-Trimethylbenzene

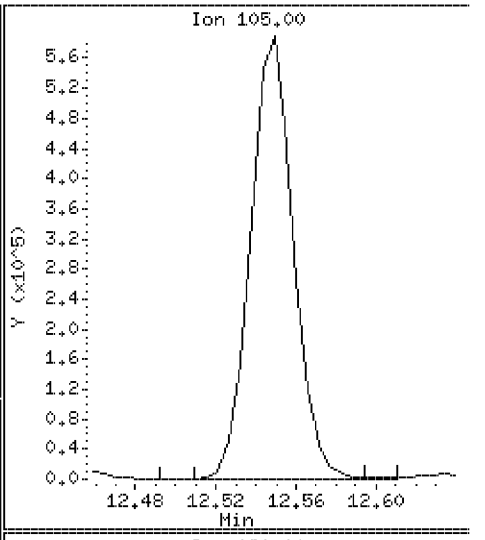
Concentration: 22.2 ug/l

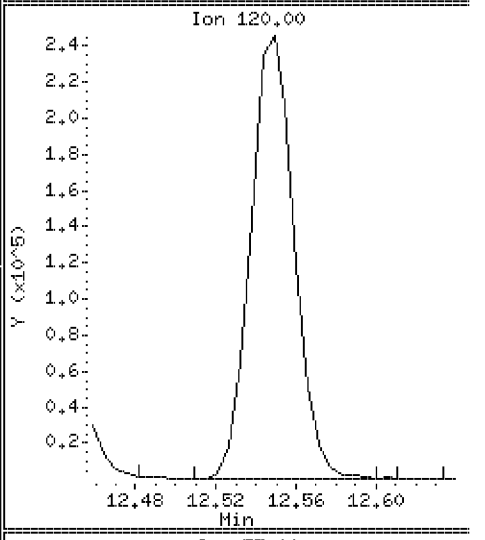


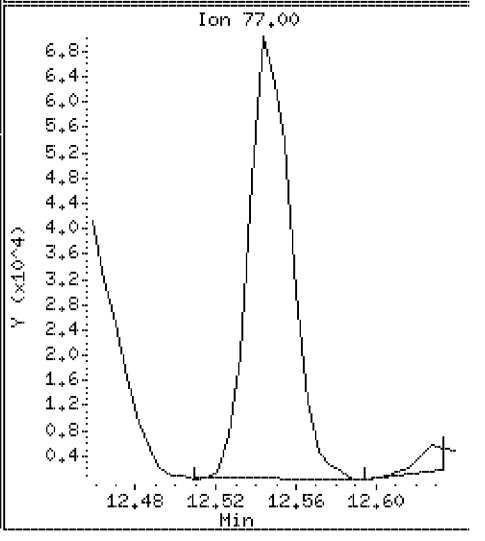












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

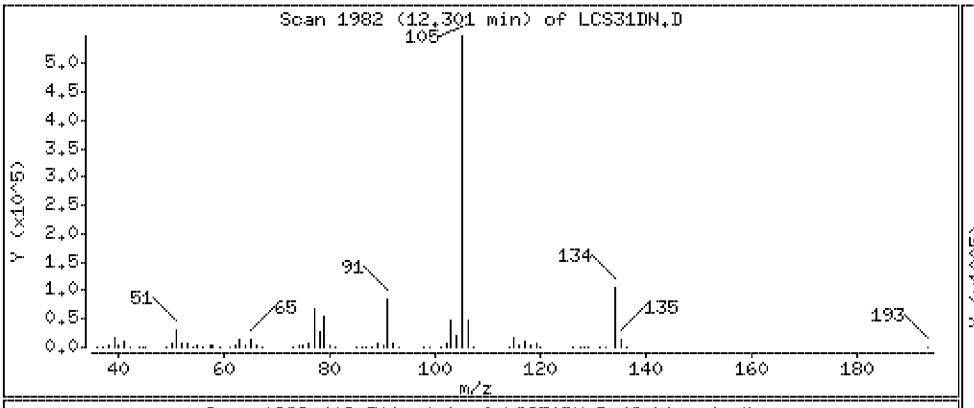
Operator:

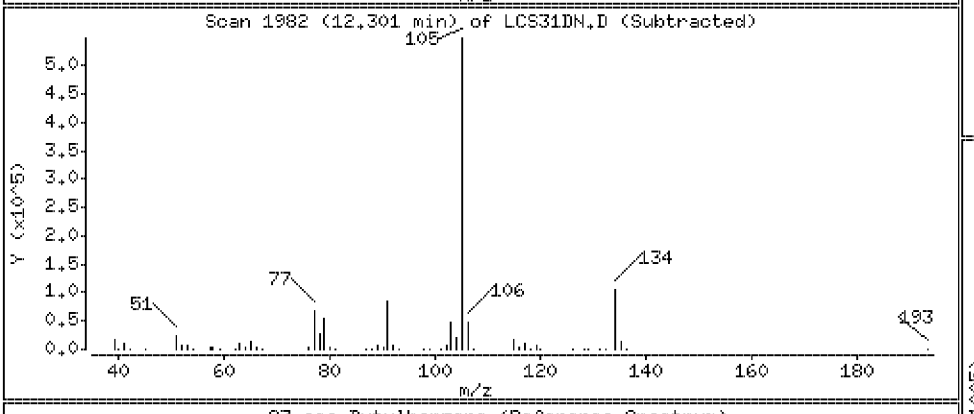
Column phase: RTX-502.2

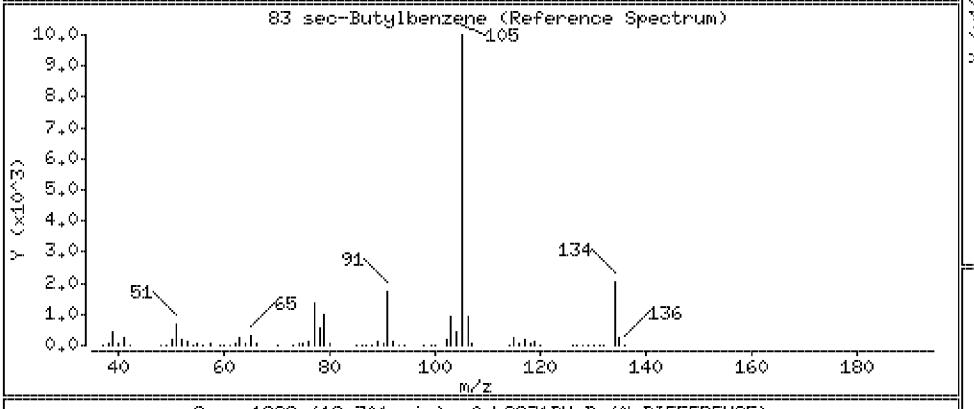
Column diameter: 0.18

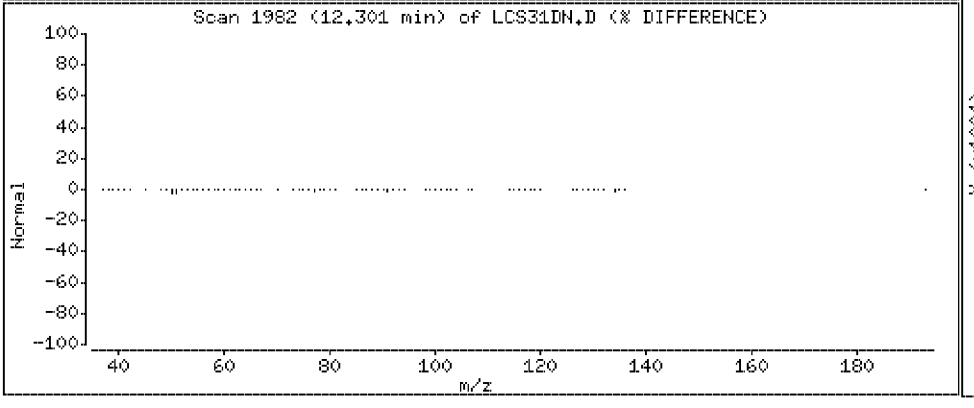
83 sec-Butylbenzene

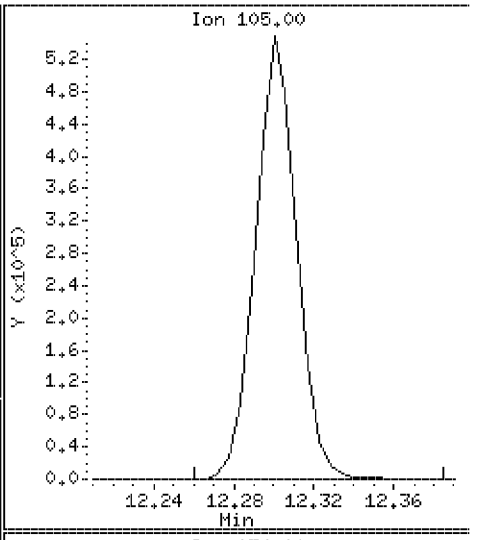
Concentration: 20.9 ug/l

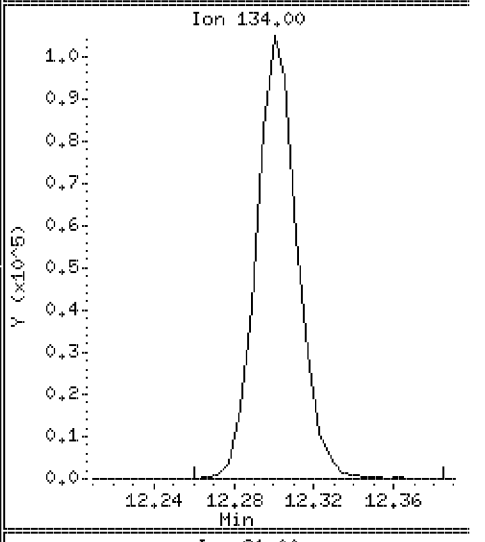


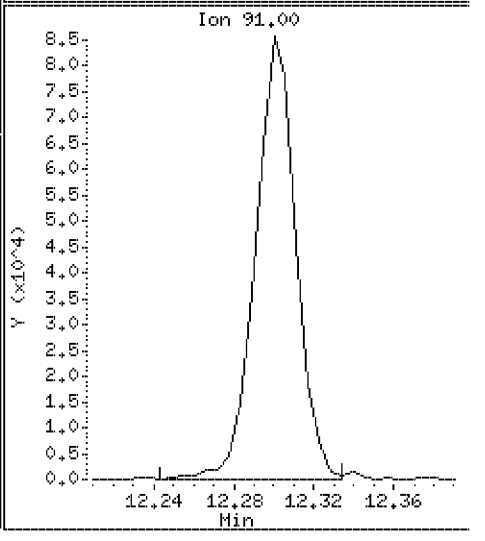












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

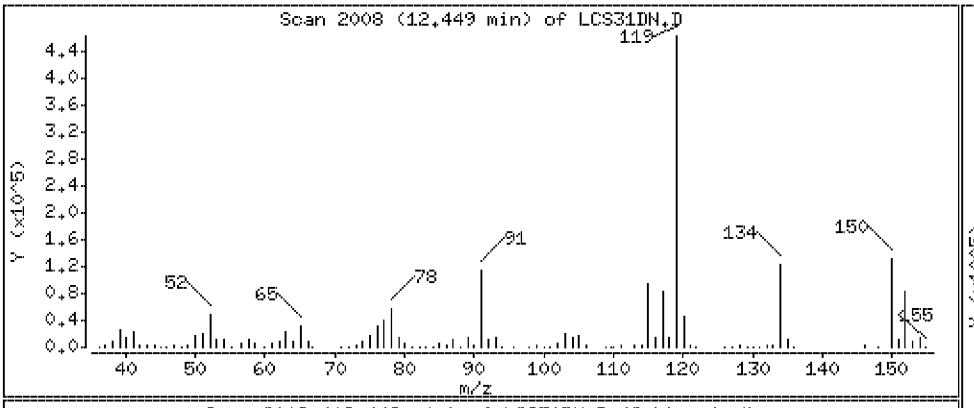
Operator:

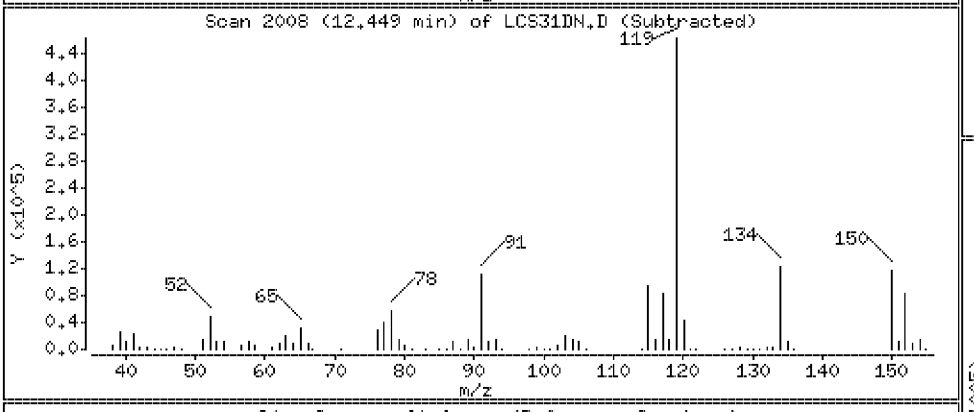
Column phase: RTX-502.2

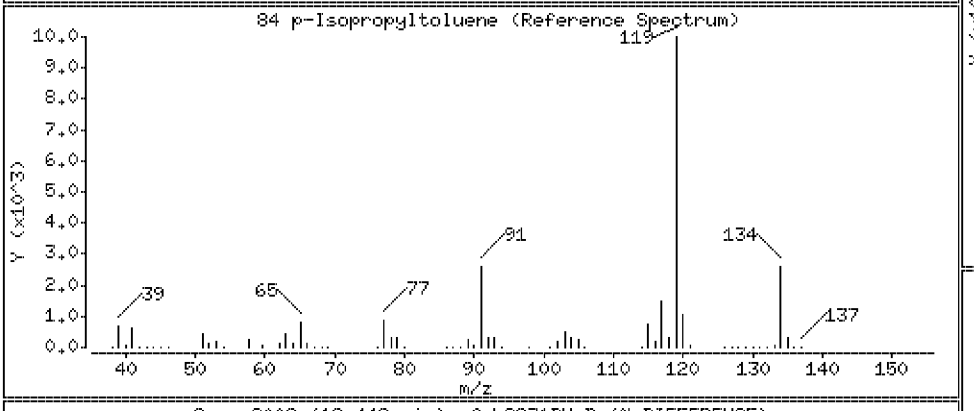
Column diameter: 0.18

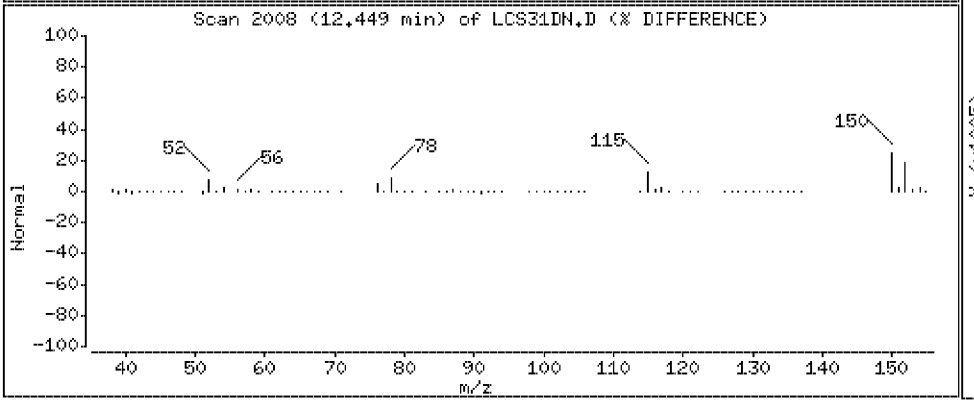
84 p-Isopropyltoluene

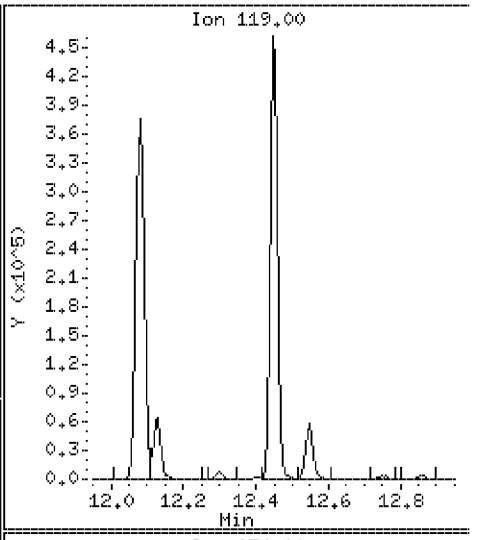
Concentration: 20.6 ug/l

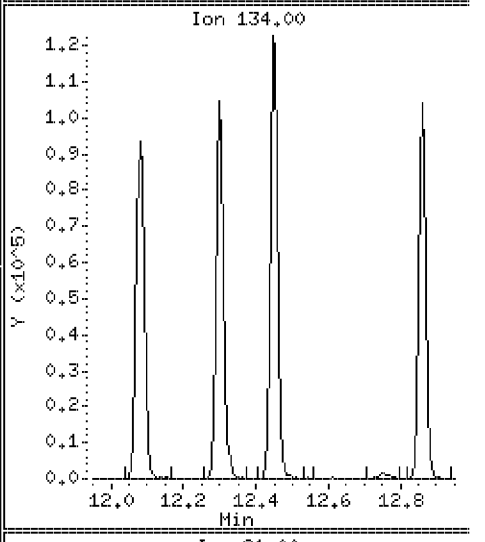


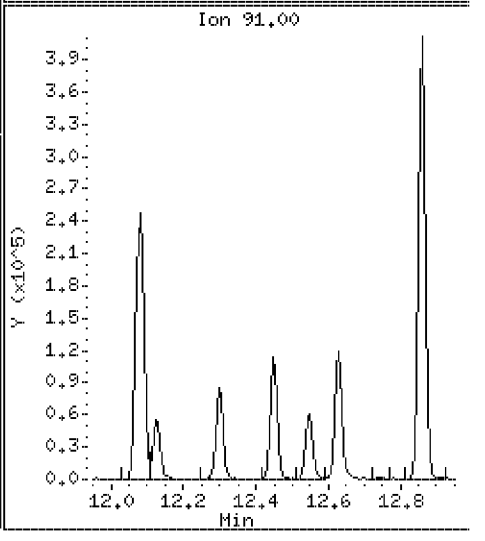












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

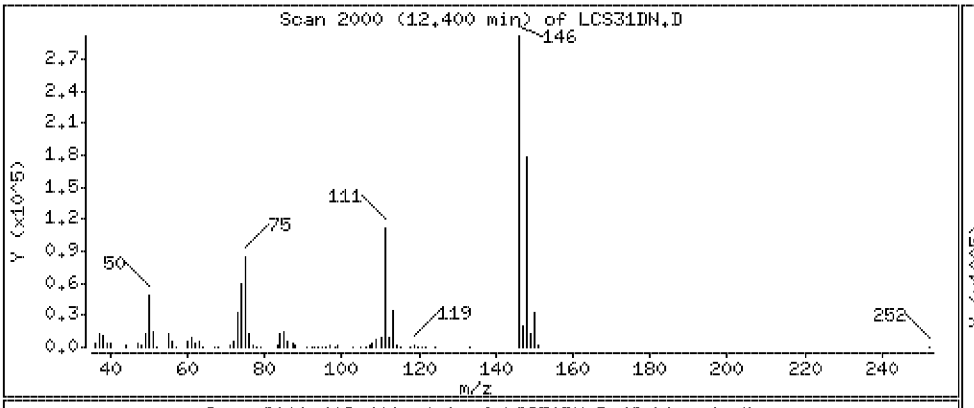
Operator:

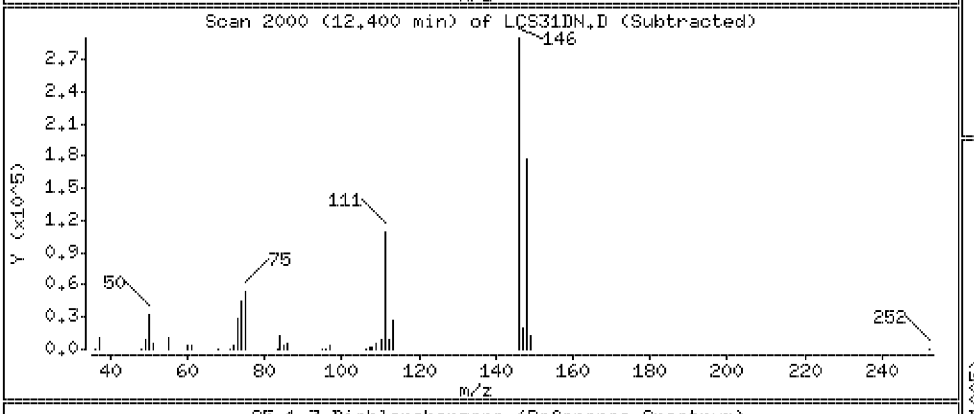
Column phase: RTX-502.2

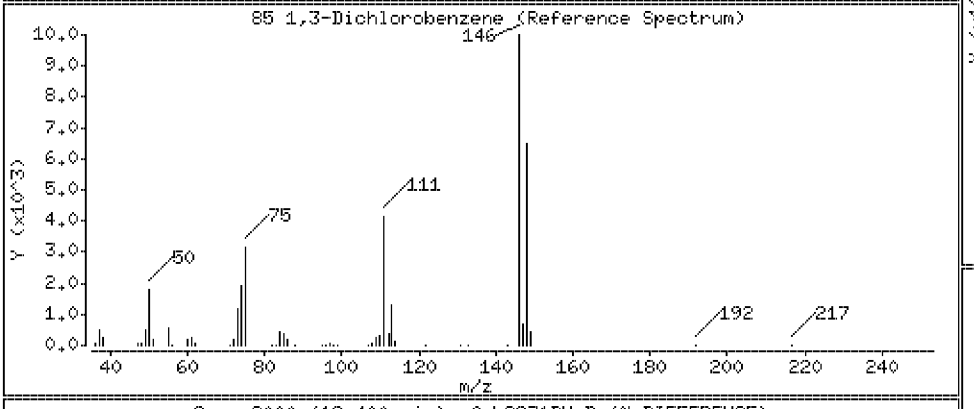
Column diameter: 0.18

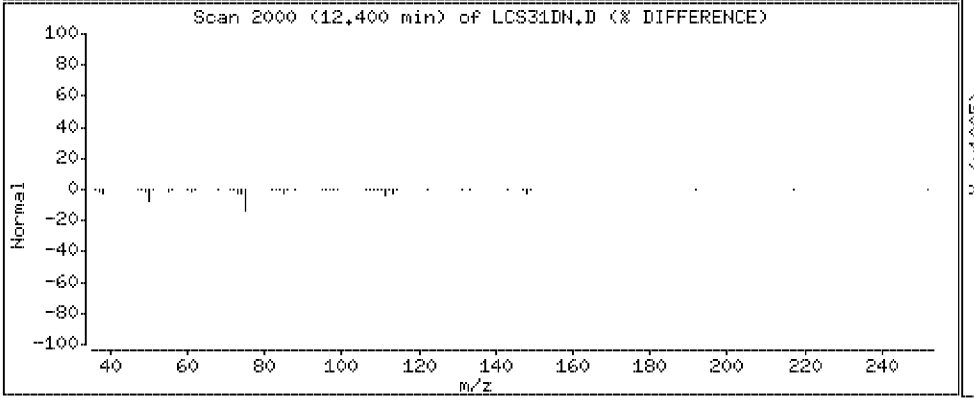
85 1,3-Dichlorobenzene

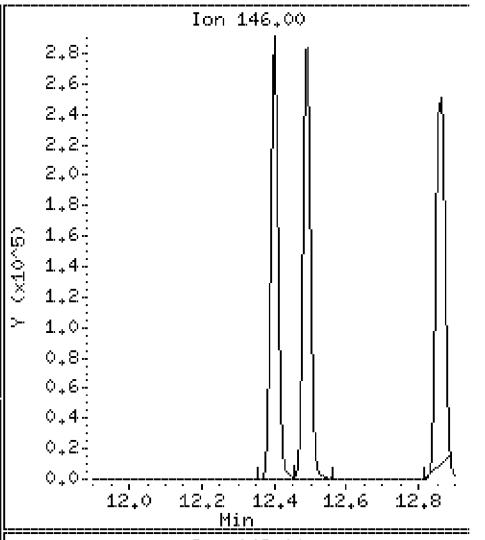
Concentration: 20.3 ug/l

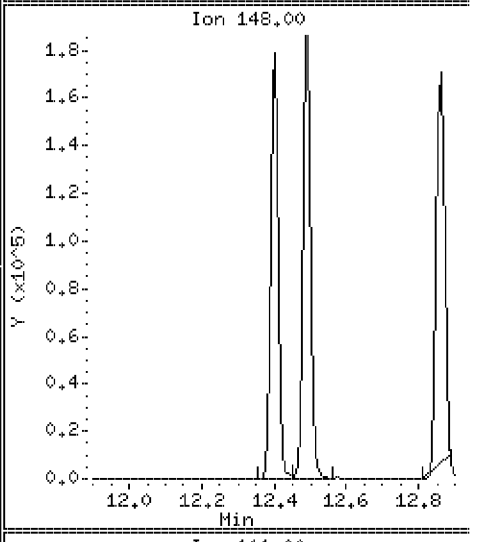


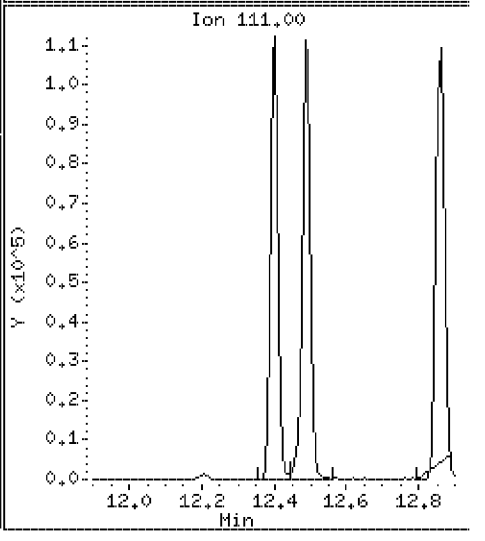












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

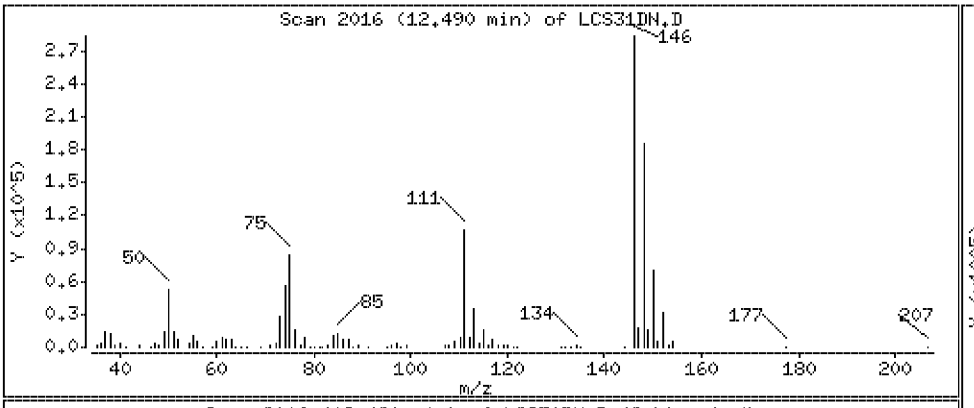
Operator:

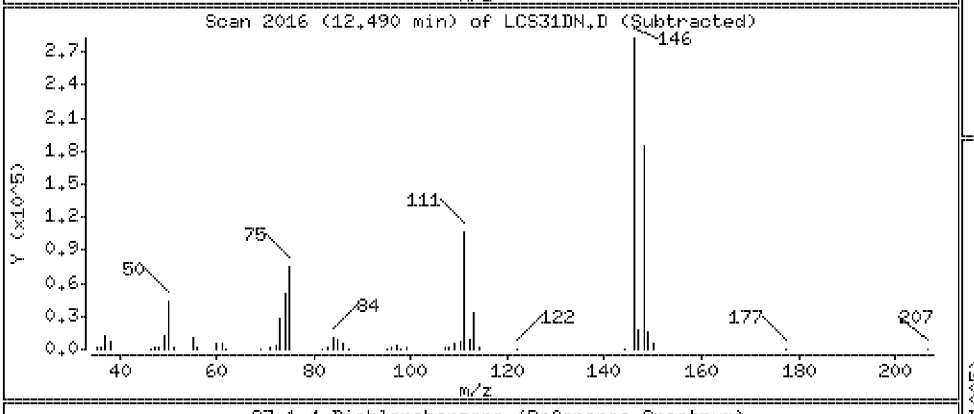
Column phase: RTX-502.2

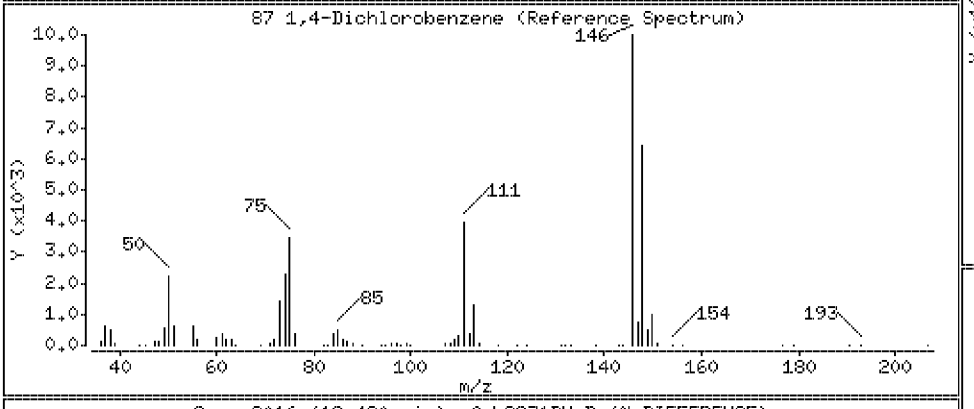
Column diameter: 0.18

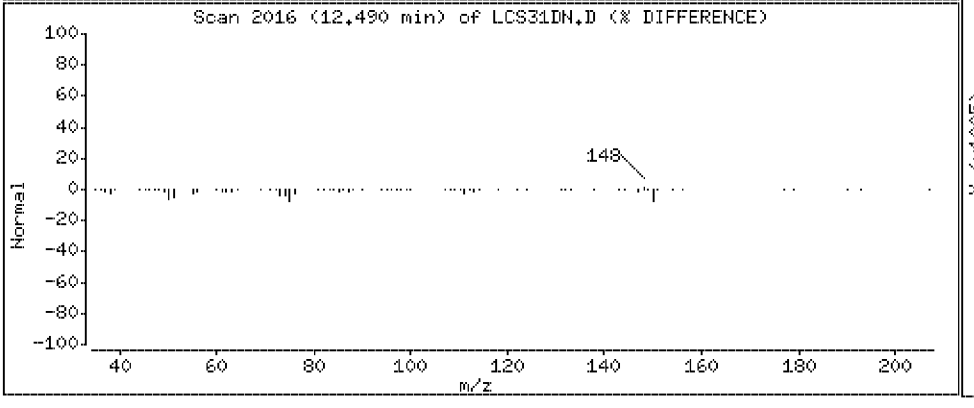
87 1,4-Dichlorobenzene

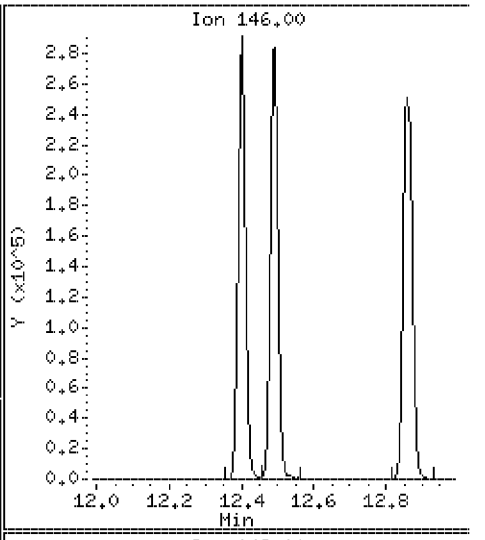
Concentration: 19.6 ug/l

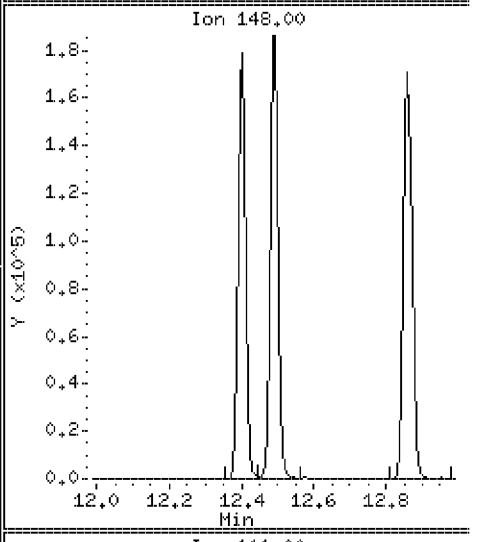


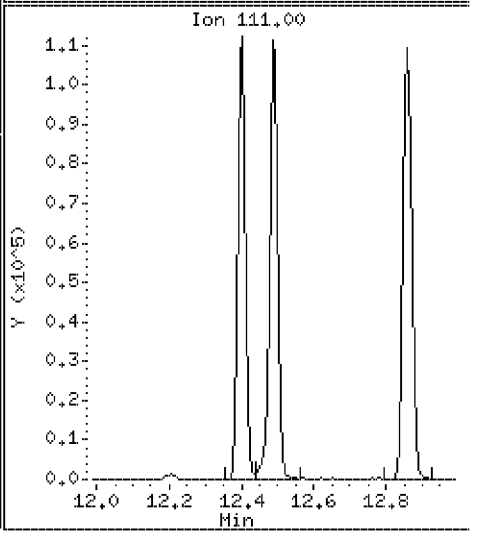












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

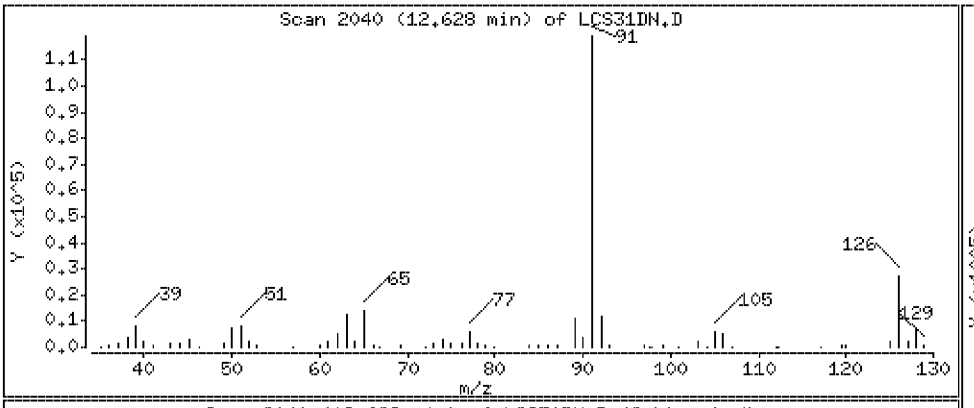
Operator:

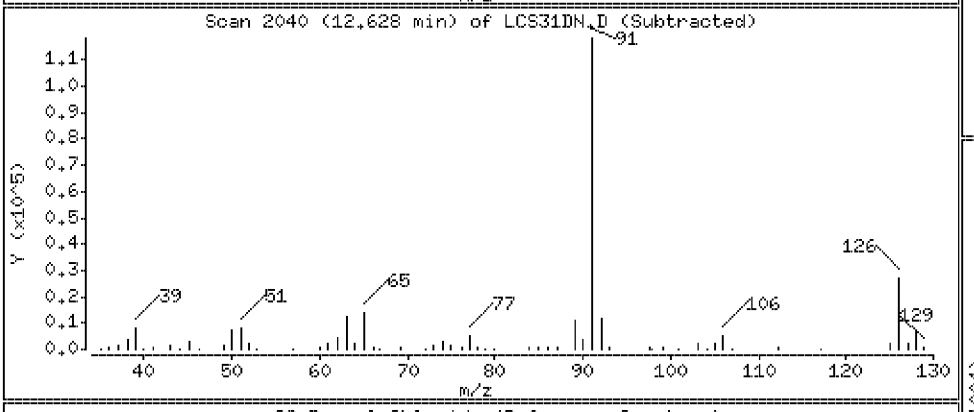
Column phase: RTX-502.2

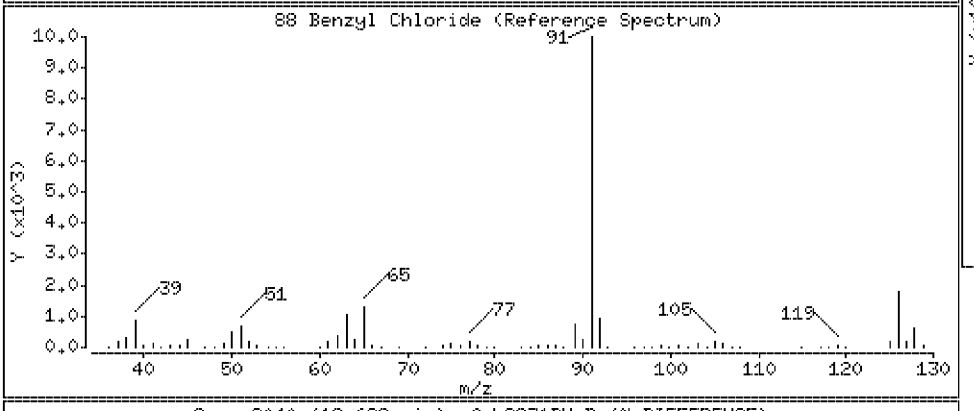
Column diameter: 0.18

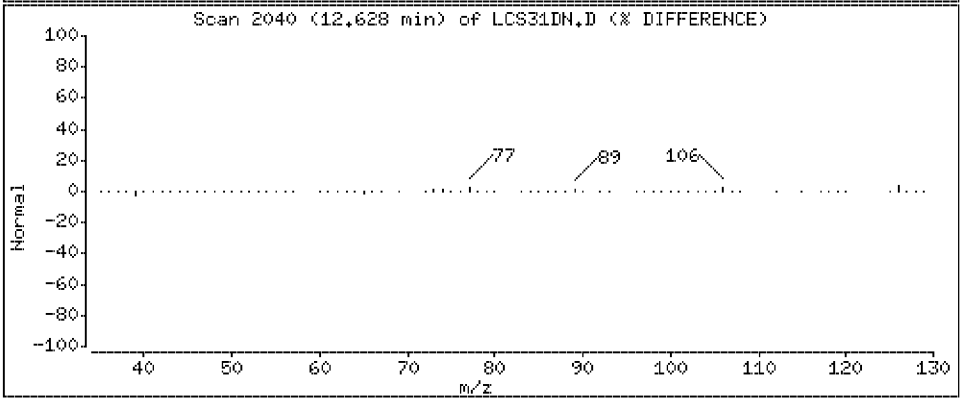
88 Benzyl Chloride

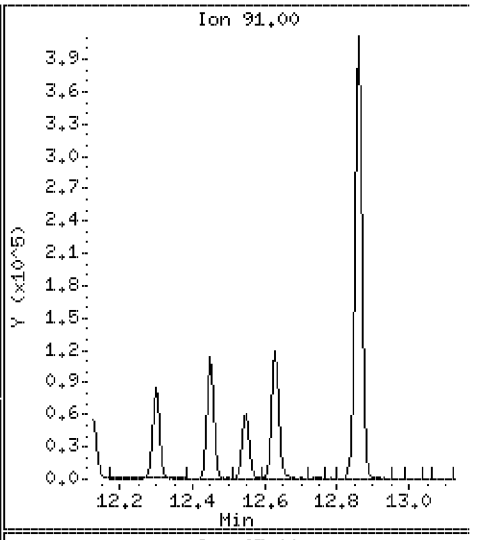
Concentration: 16.2 ug/l

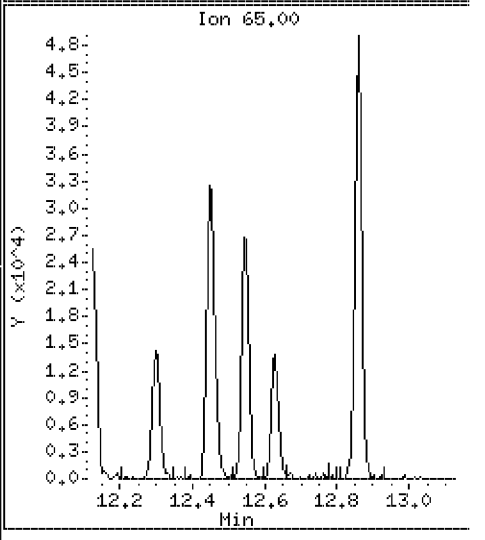












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

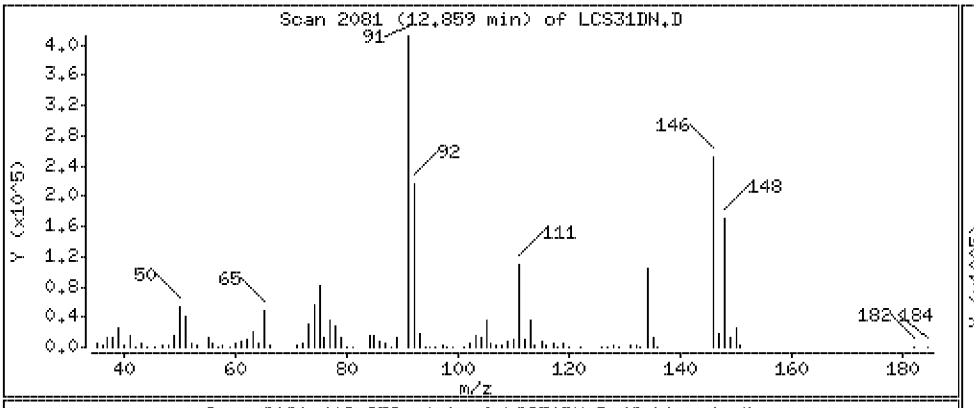
Operator:

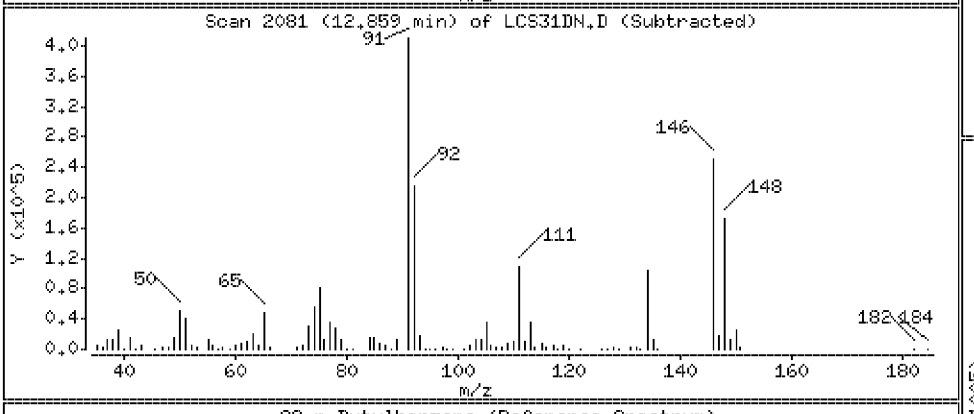
Column phase: RTX-502.2

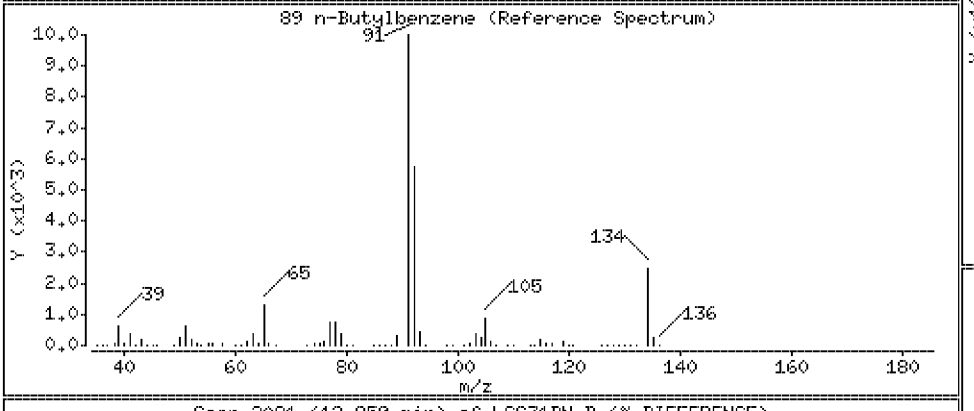
Column diameter: 0.18

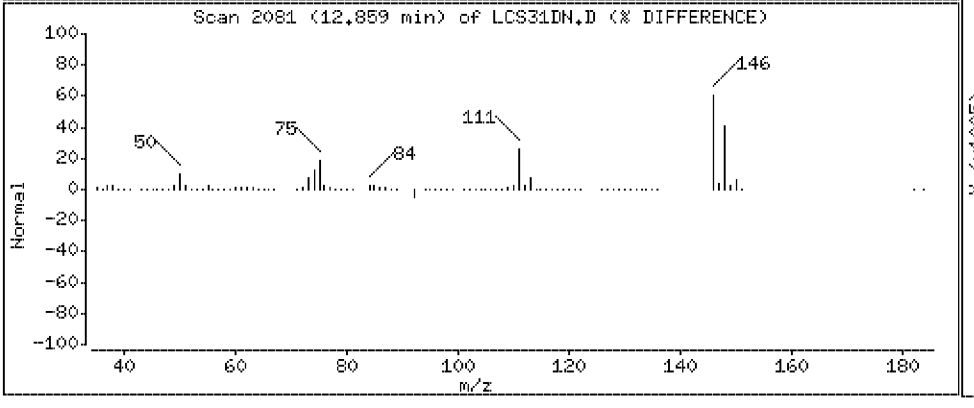
89 n-Butylbenzene

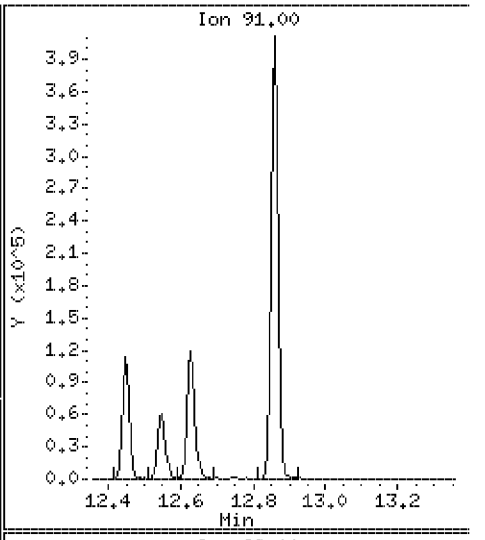
Concentration: 20.7 ug/l

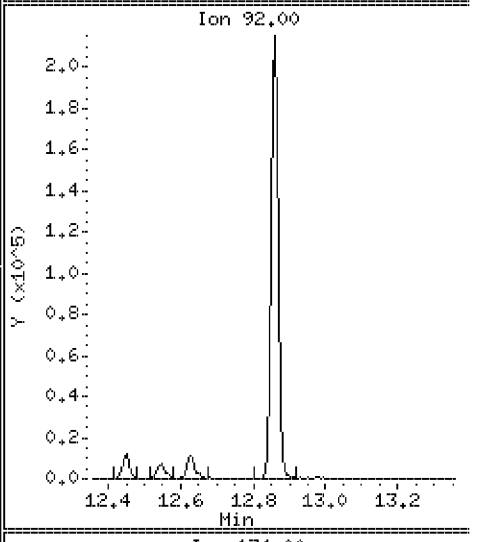


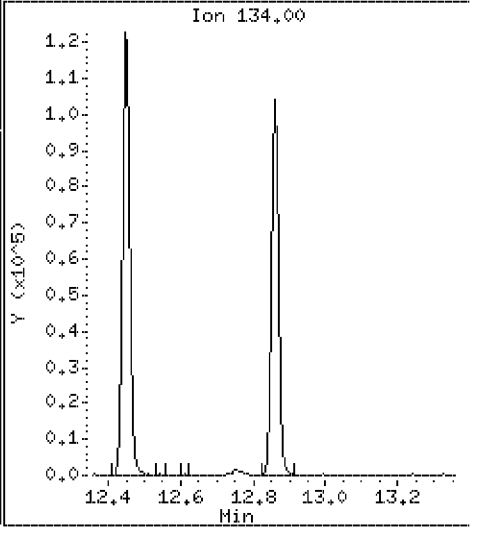












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

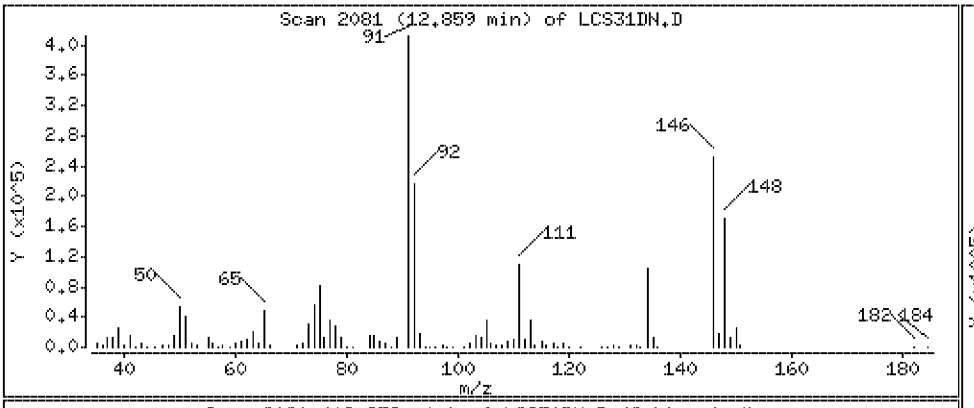
Operator:

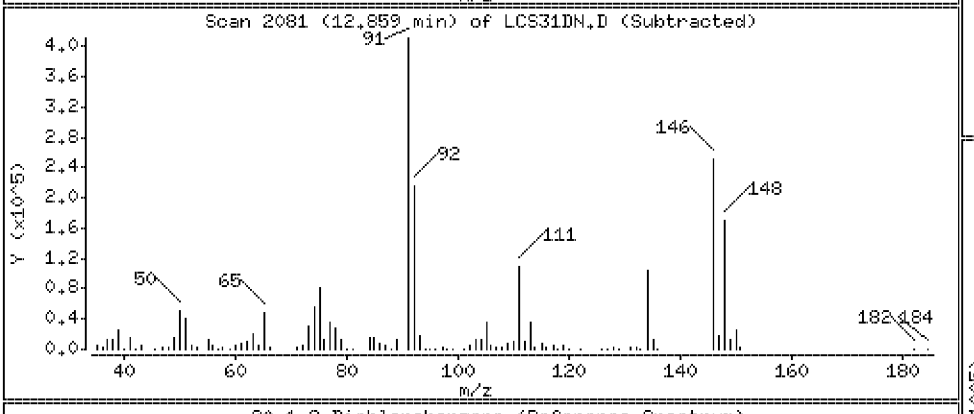
Column phase: RTX-502.2

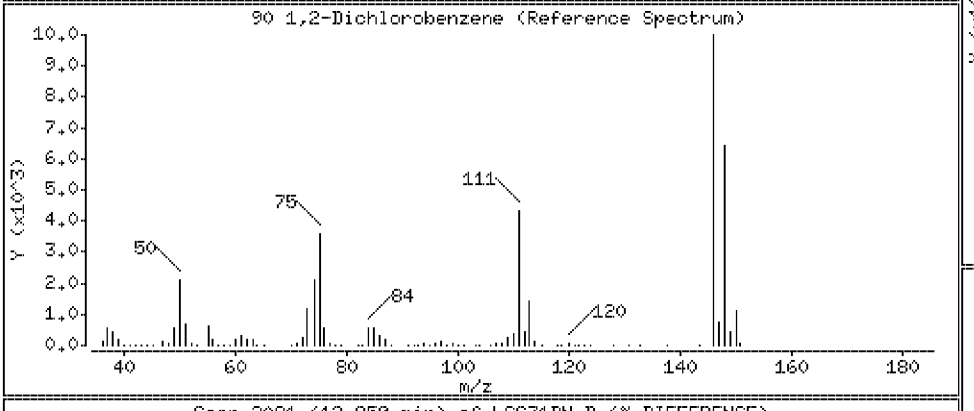
Column diameter: 0.18

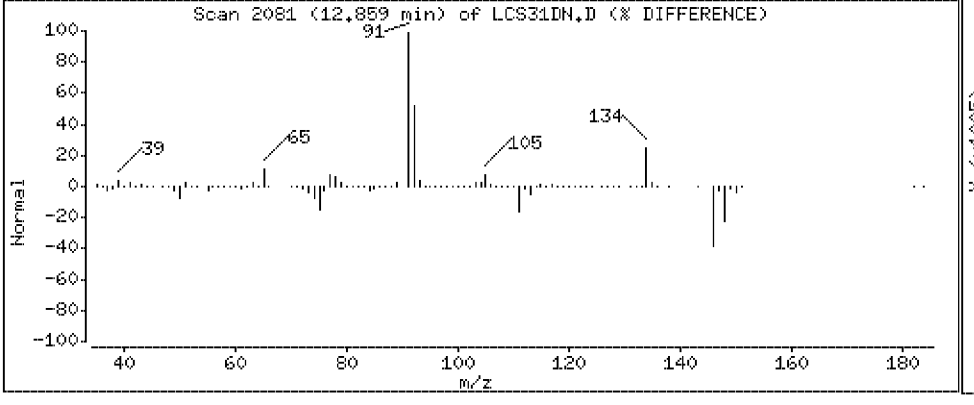
90 1,2-Dichlorobenzene

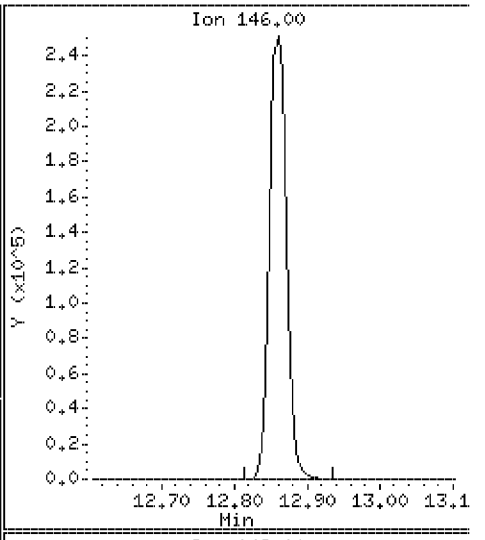
Concentration: 19.6 ug/l

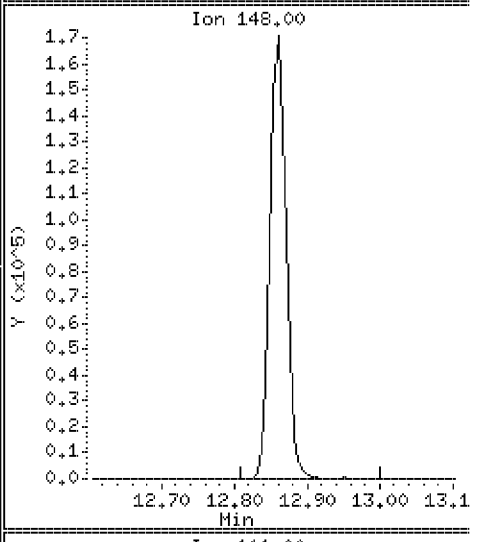


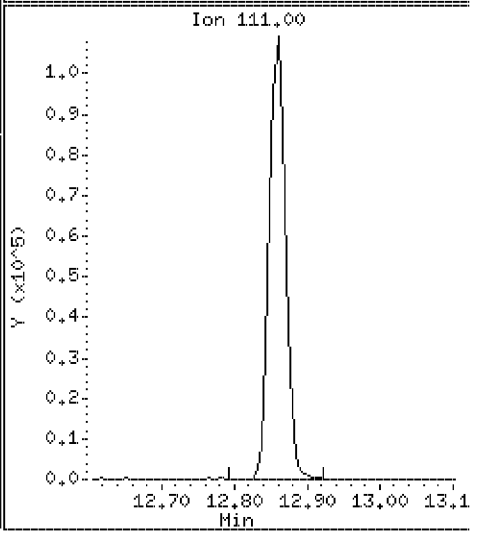












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

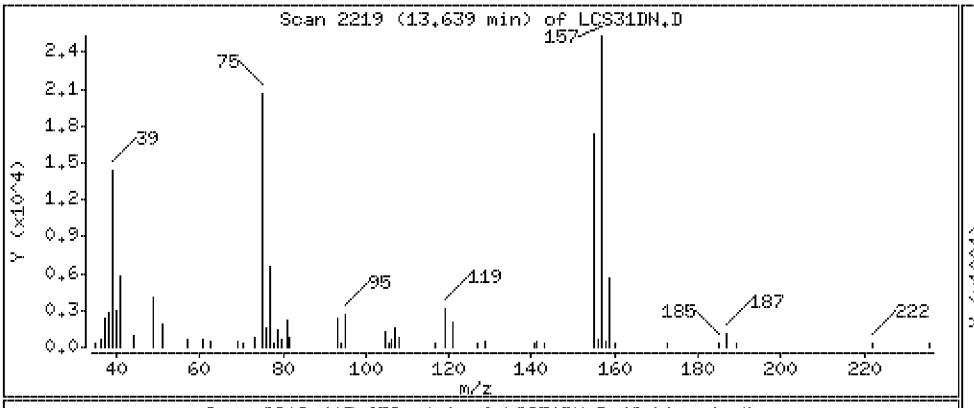
Operator:

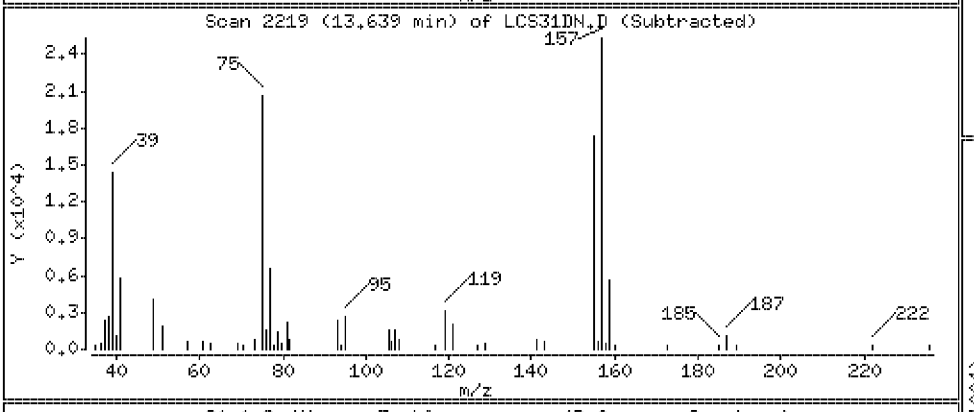
Column phase: RTX-502.2

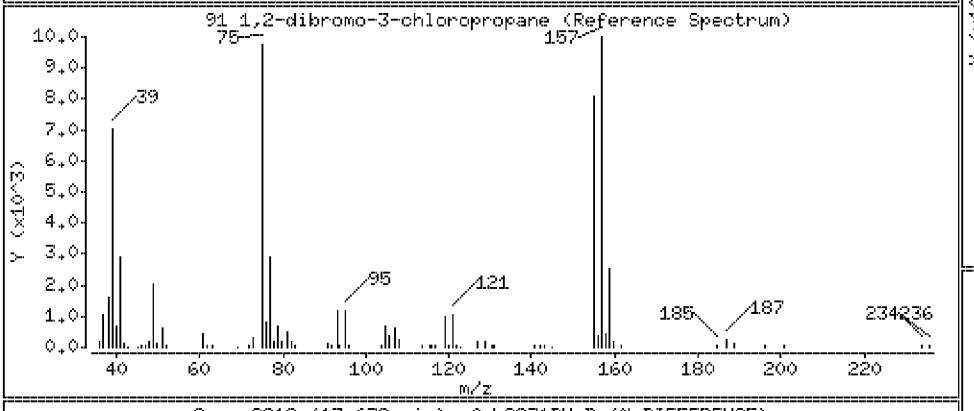
Column diameter: 0.18

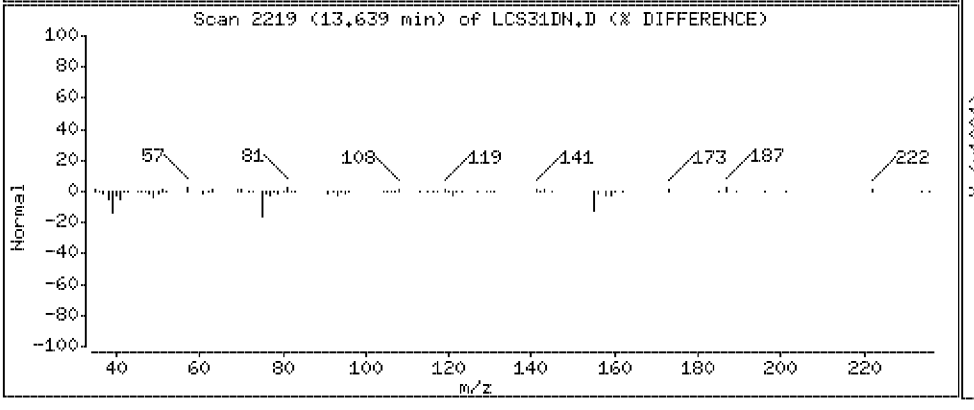
91 1,2-dibromo-3-chloropropane

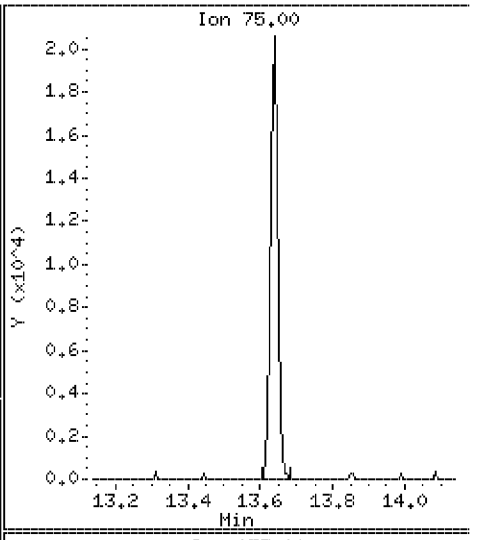
Concentration: 17.4 ug/l

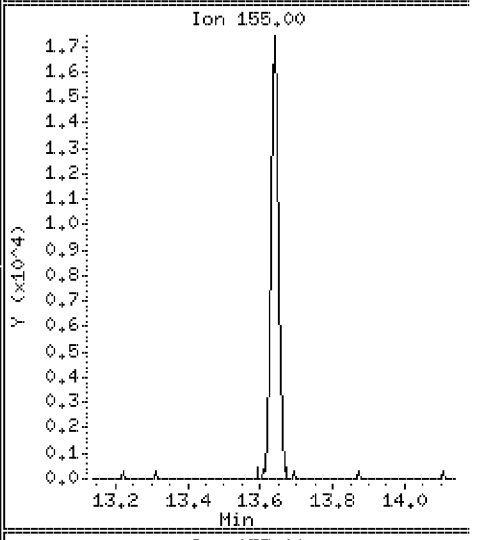


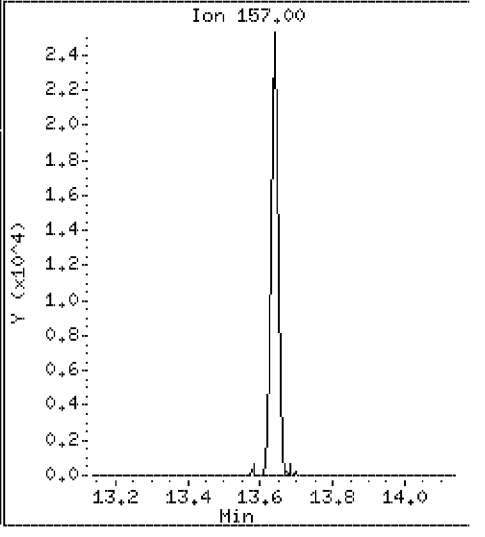












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

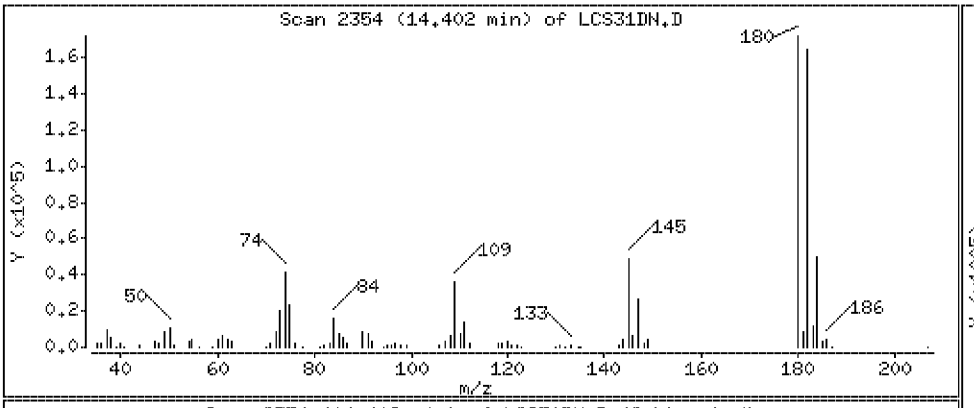
Operator:

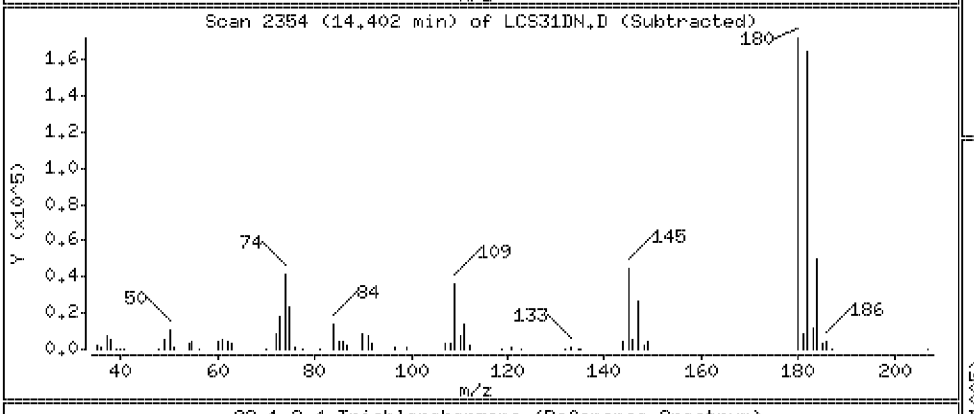
Column phase: RTX-502.2

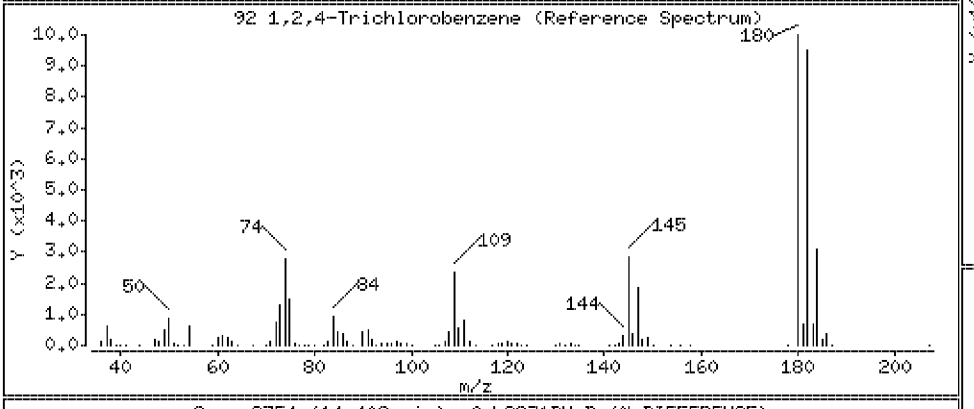
Column diameter: 0.18

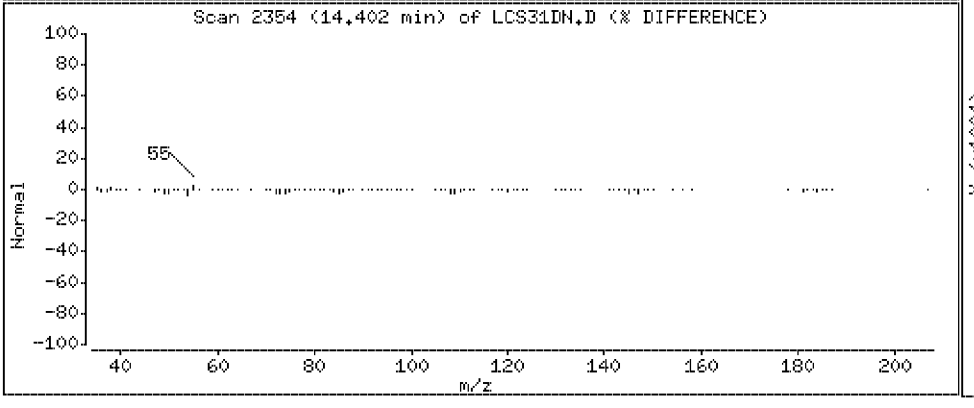
92 1,2,4-Trichlorobenzene

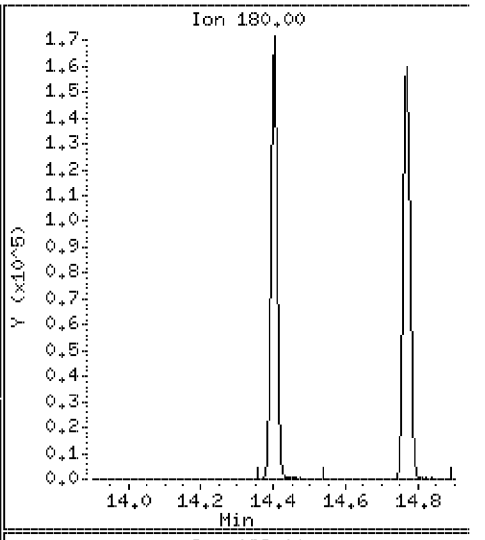
Concentration: 19.6 ug/l

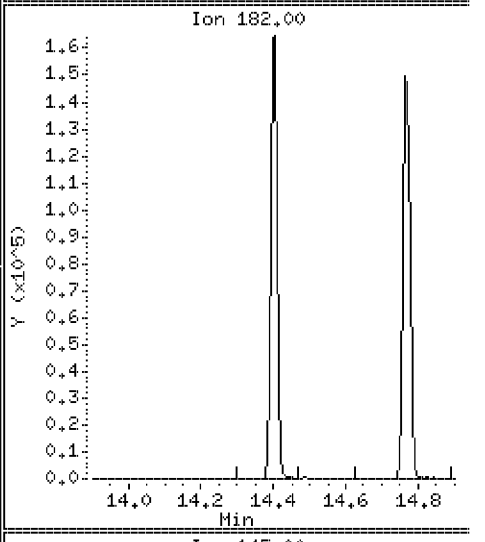


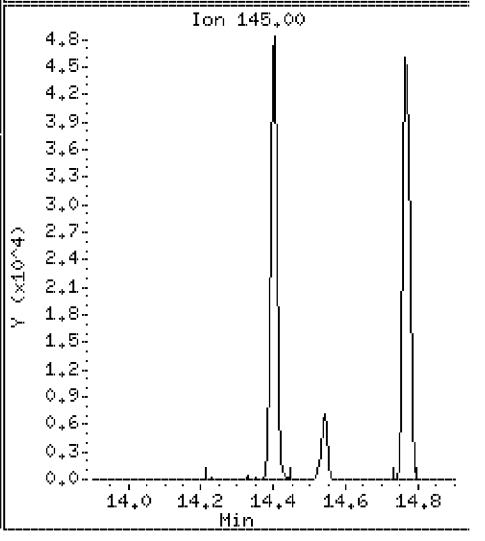












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

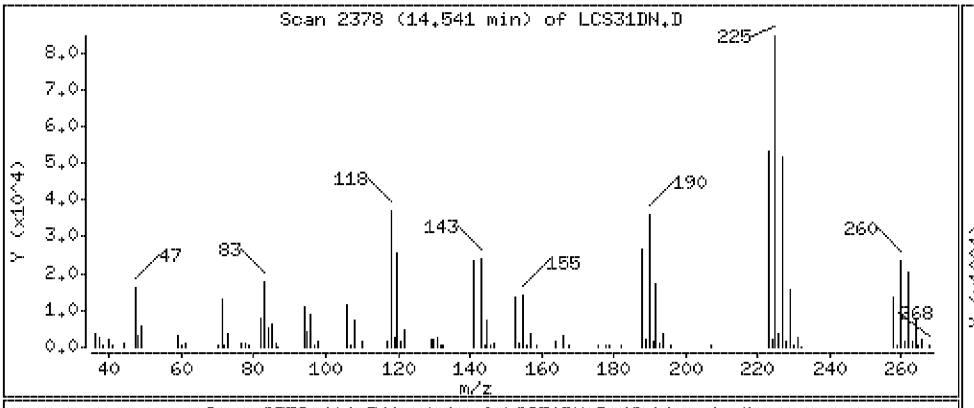
Operator:

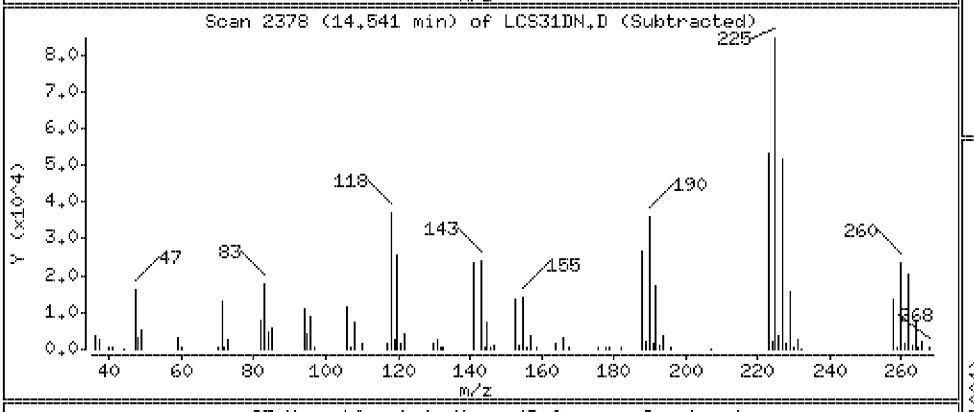
Column phase: RTX-502.2

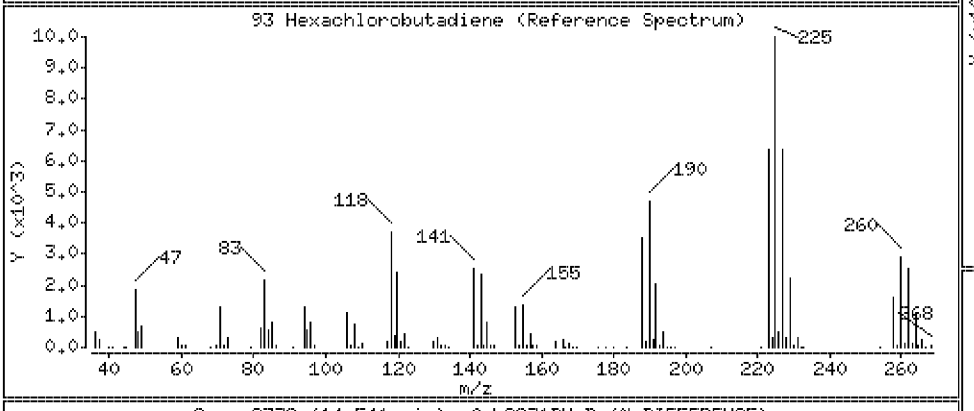
Column diameter: 0.18

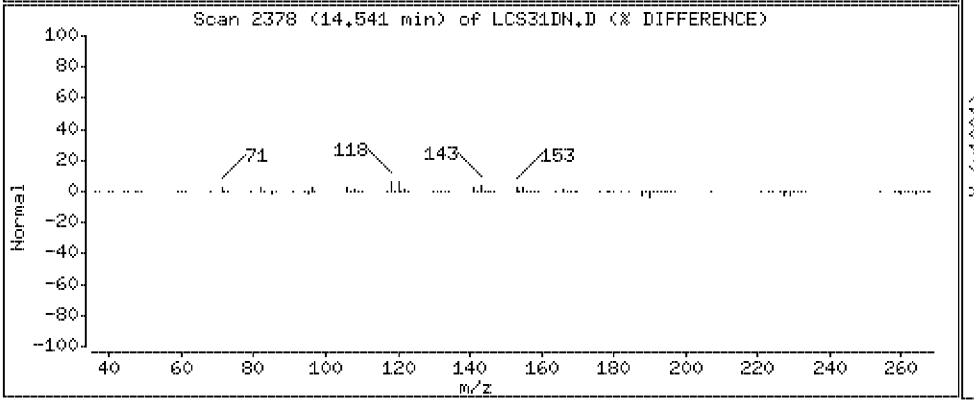
93 Hexachlorobutadiene

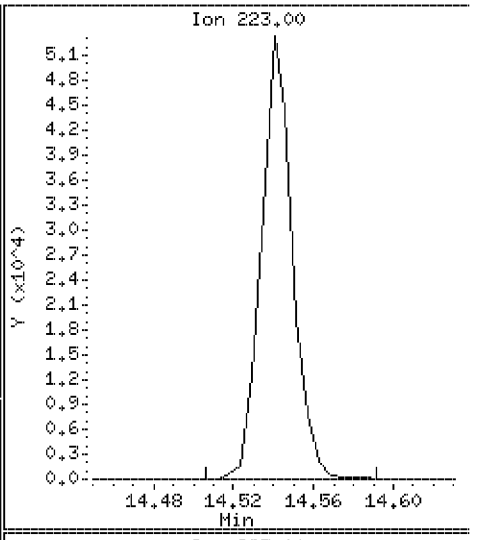
Concentration: 22.3 ug/l

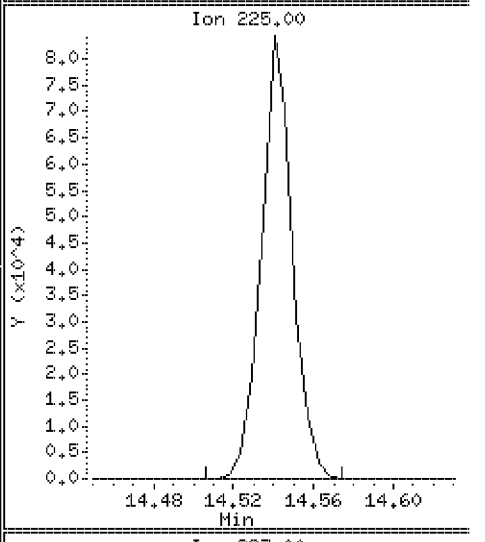


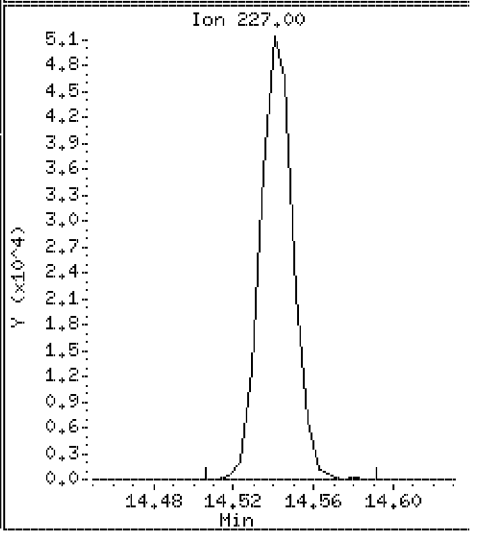












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

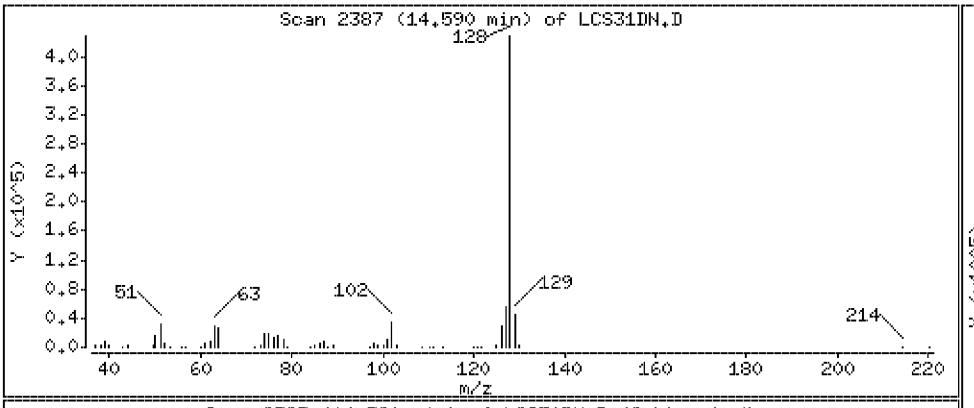
Operator:

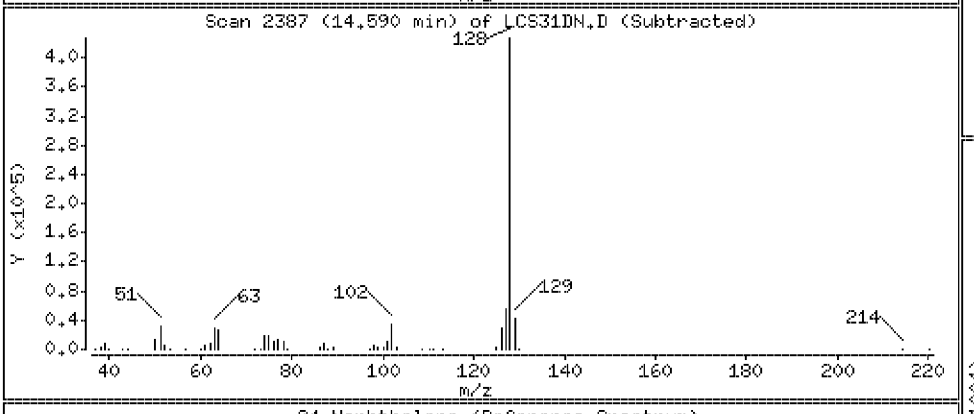
Column phase: RTX-502.2

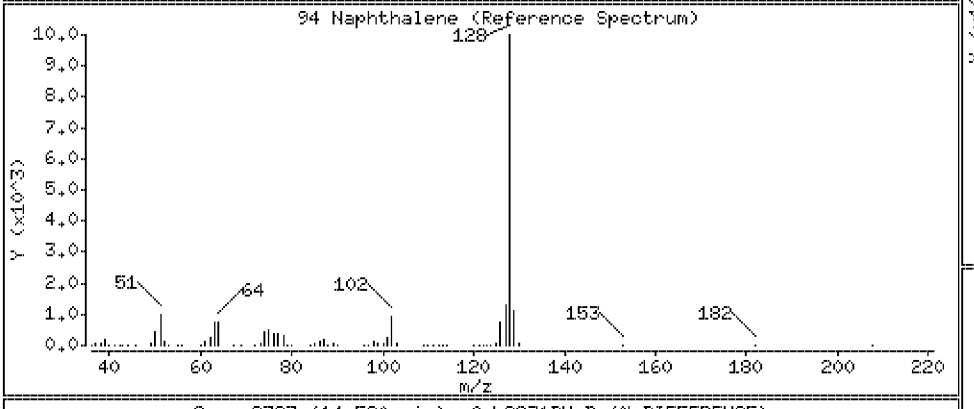
Column diameter: 0.18

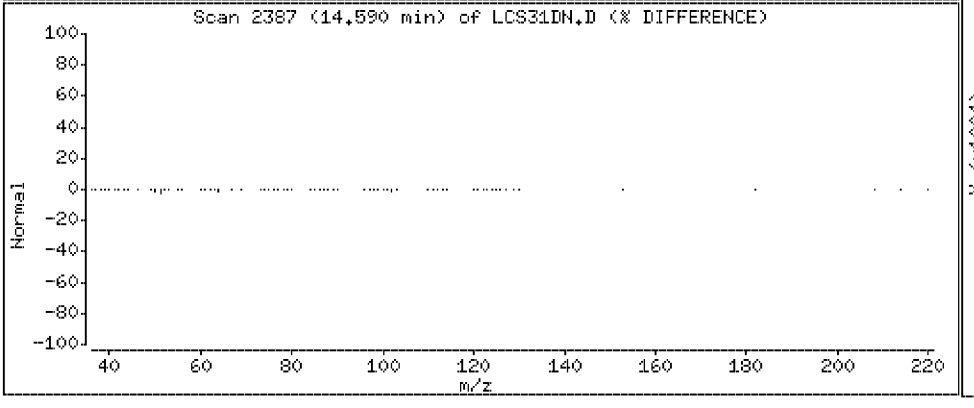
94 Naphthalene

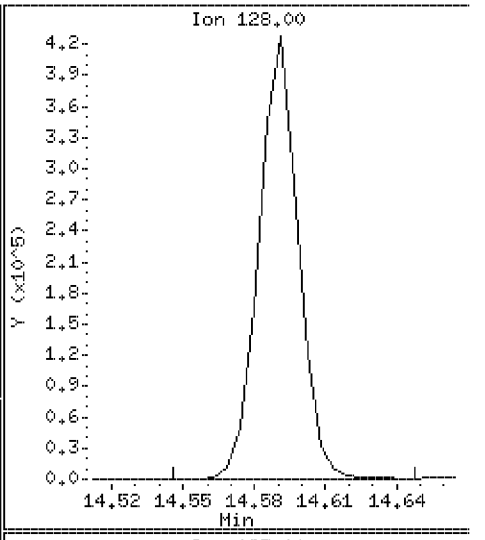
Concentration: 17.4 ug/l

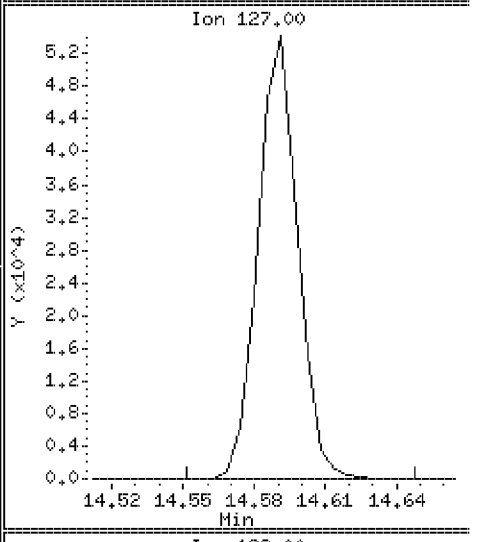


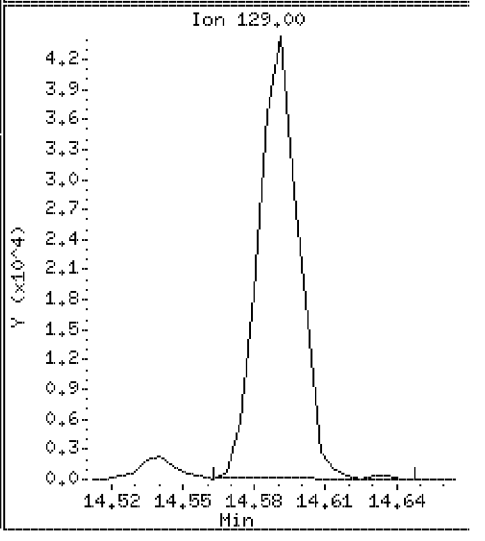












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

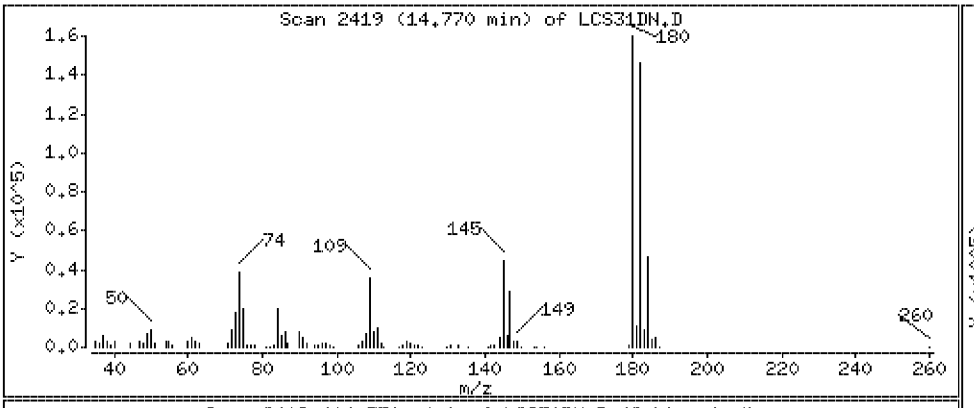
Operator:

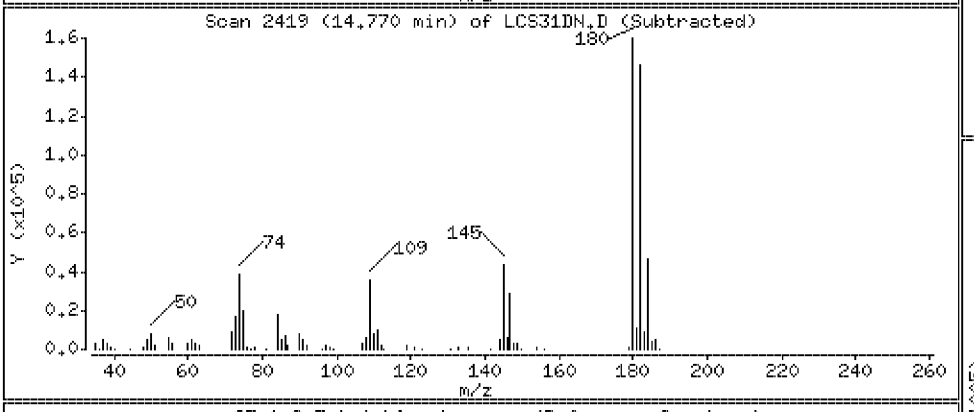
Column phase: RTX-502.2

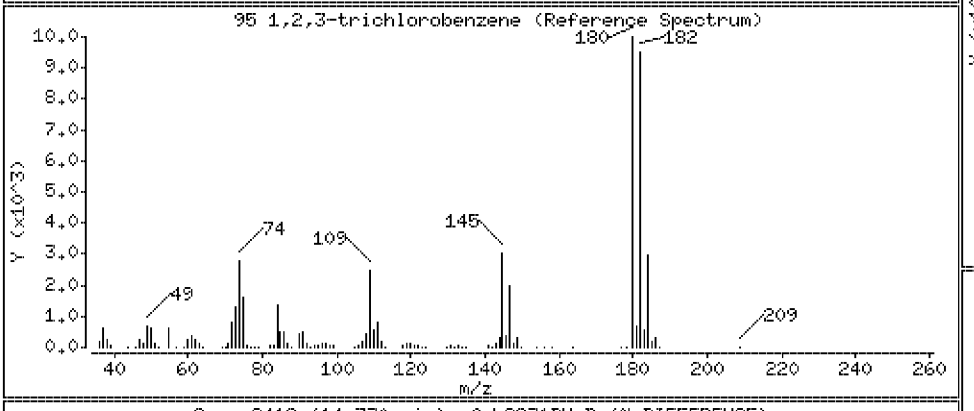
Column diameter: 0.18

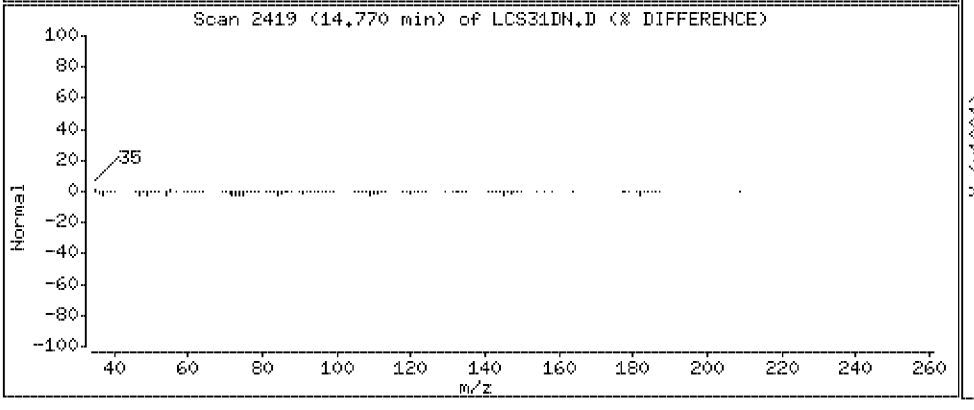
95 1,2,3-trichlorobenzene

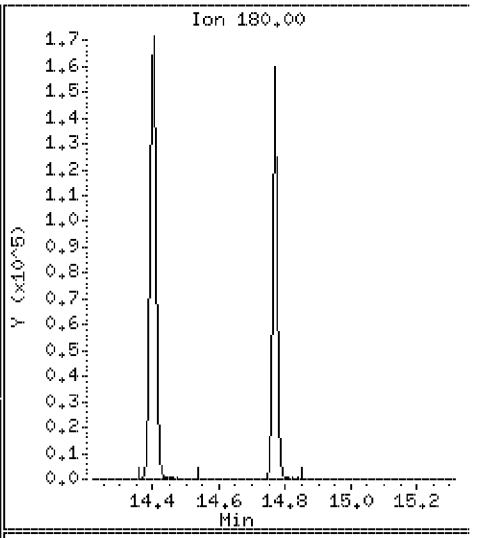
Concentration: 18.5 ug/l

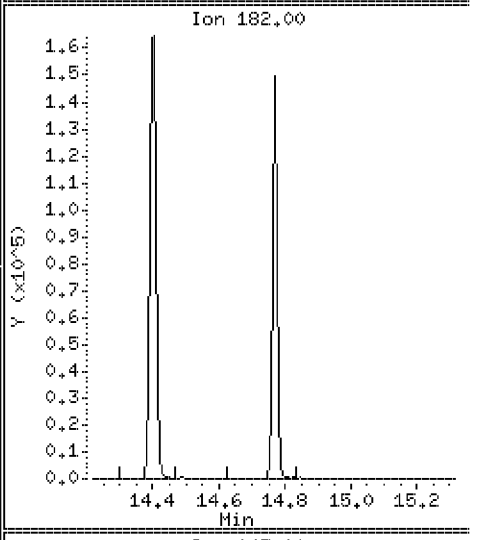


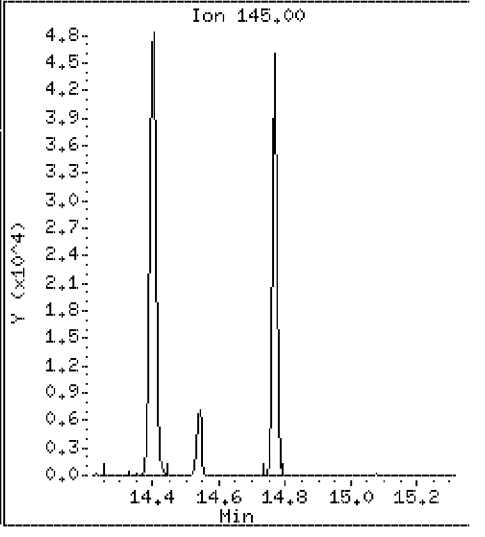












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

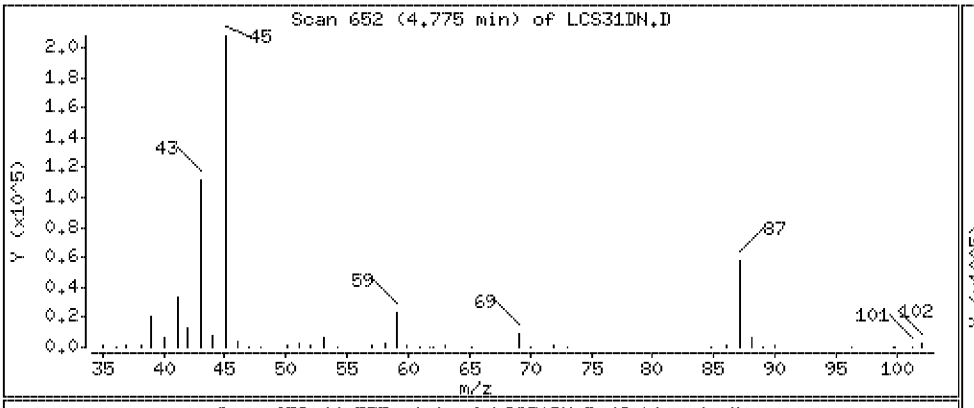
Operator:

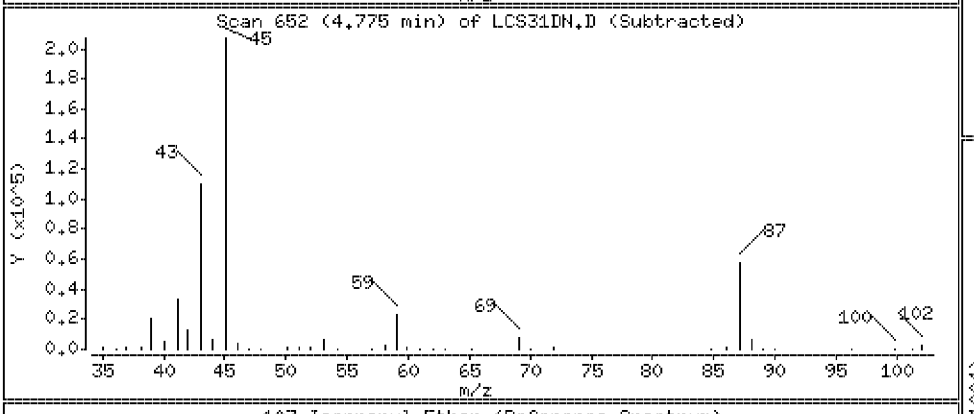
Column phase: RTX-502.2

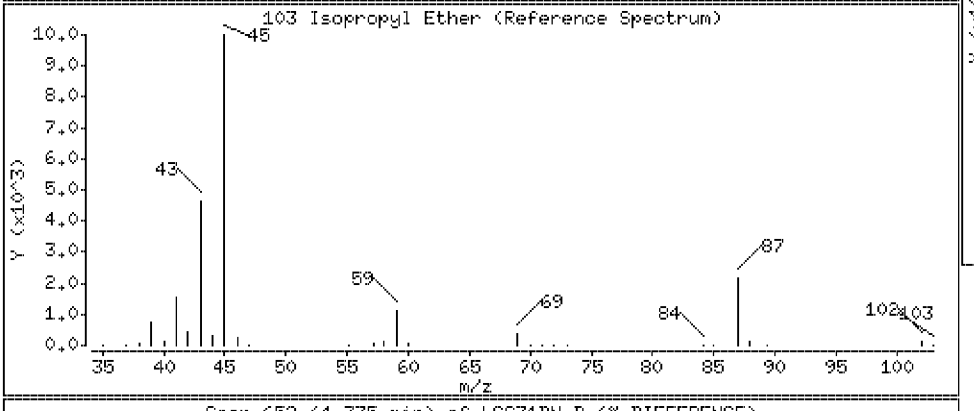
Column diameter: 0.18

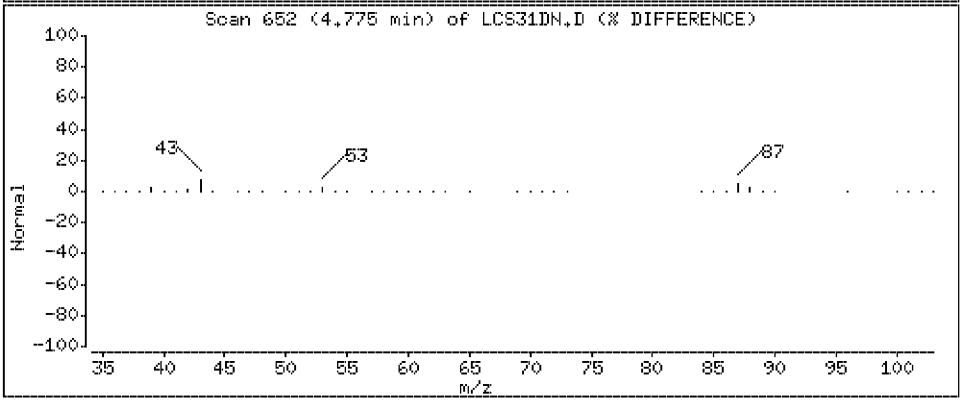
103 Isopropyl Ether

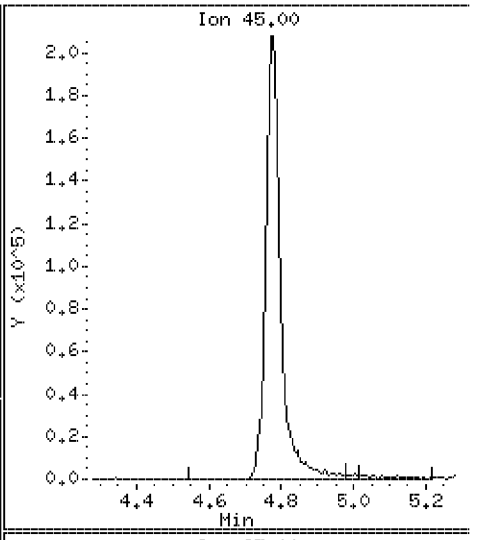
Concentration: 20.6 ug/l

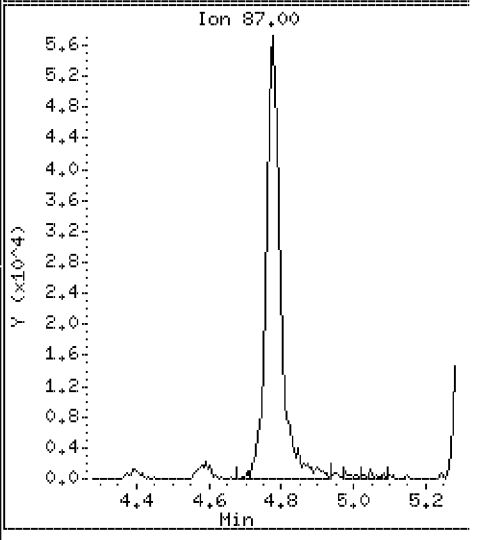












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

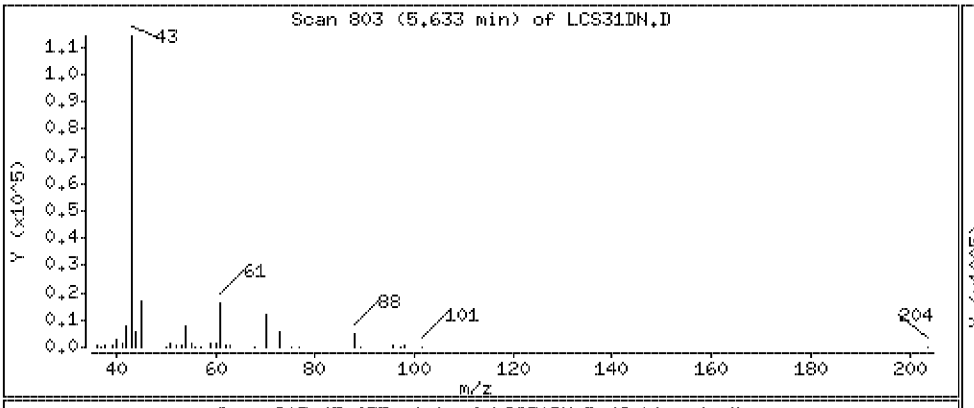
Operator:

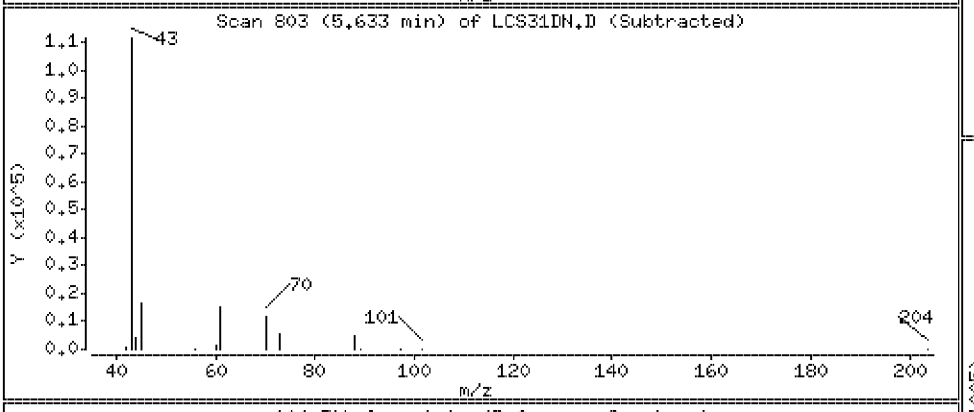
Column phase: RTX-502.2

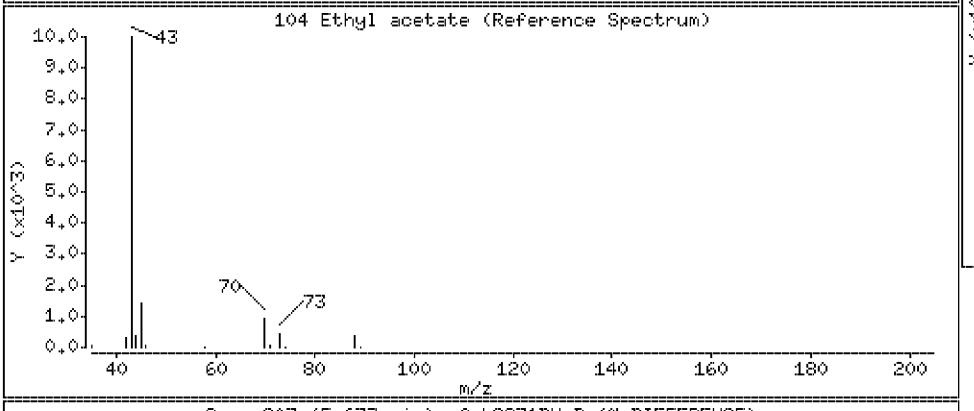
Column diameter: 0.18

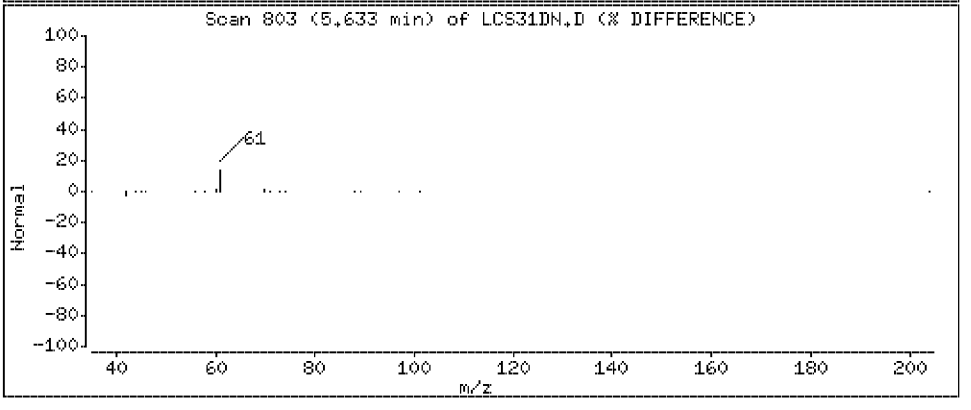
104 Ethyl acetate

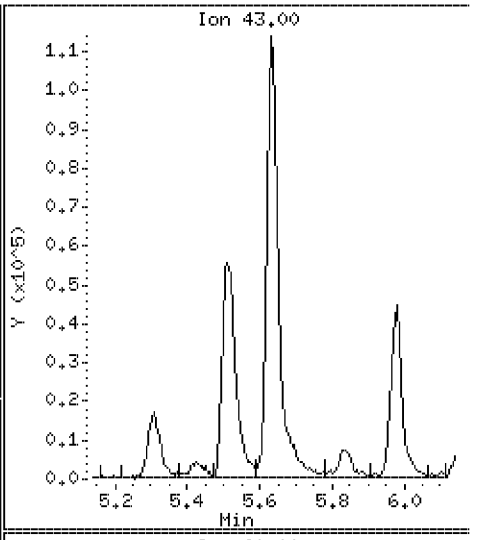
Concentration: 37.8 ug/l

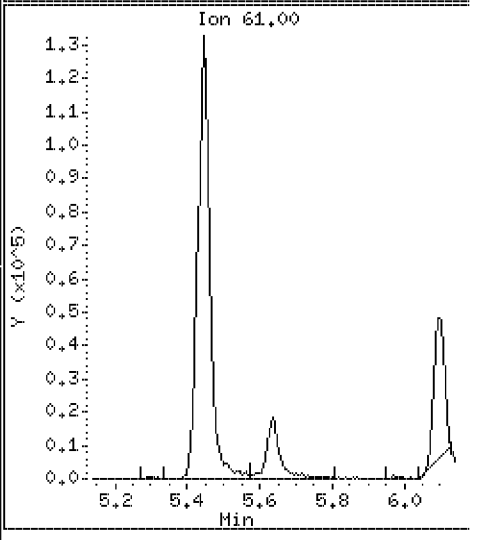












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

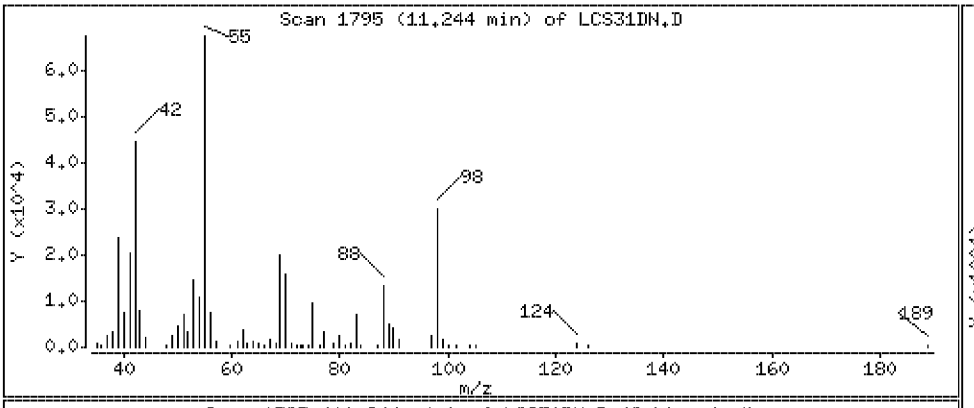
Operator:

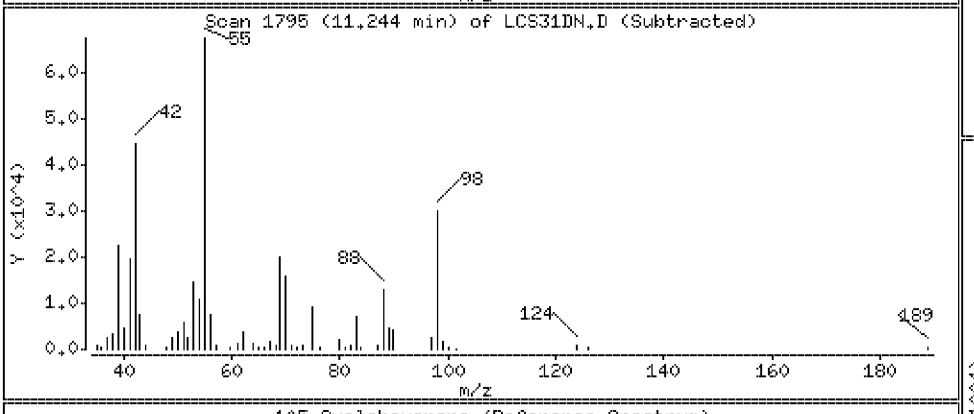
Column phase: RTX-502.2

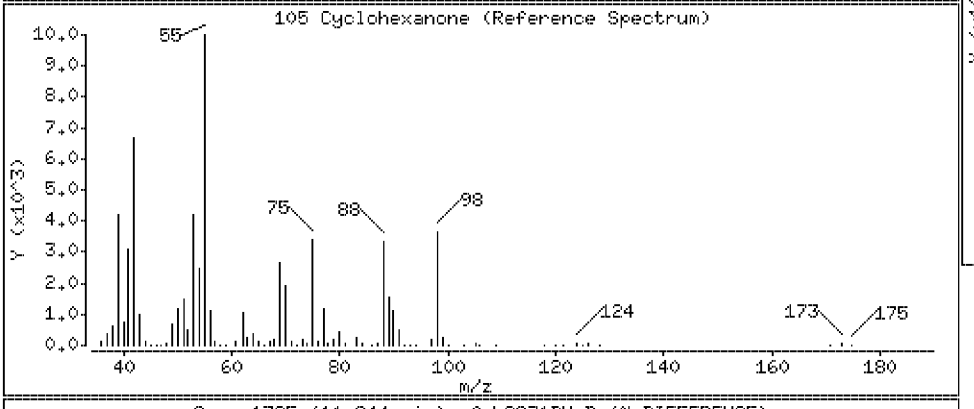
Column diameter: 0.18

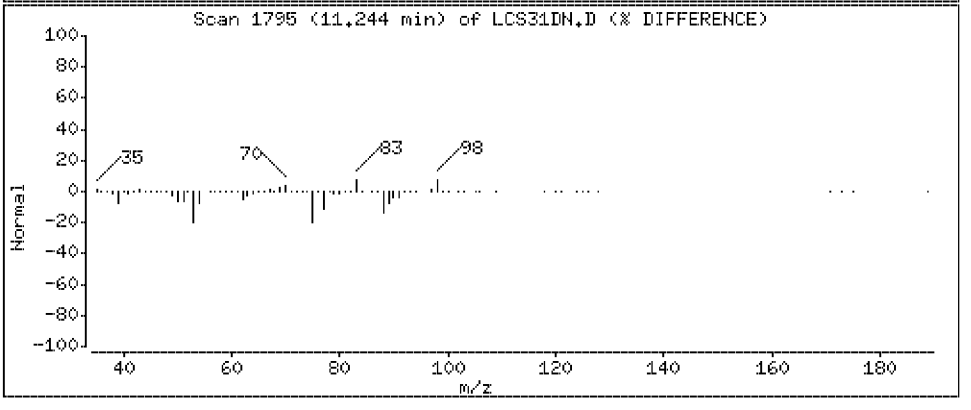
105 Cyclohexanone

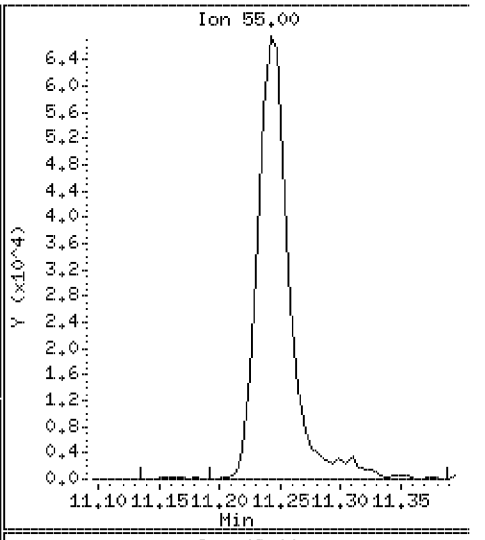
Concentration: 368 ug/l

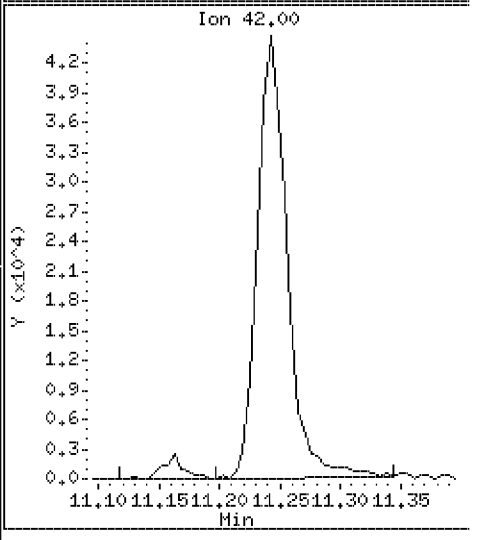












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

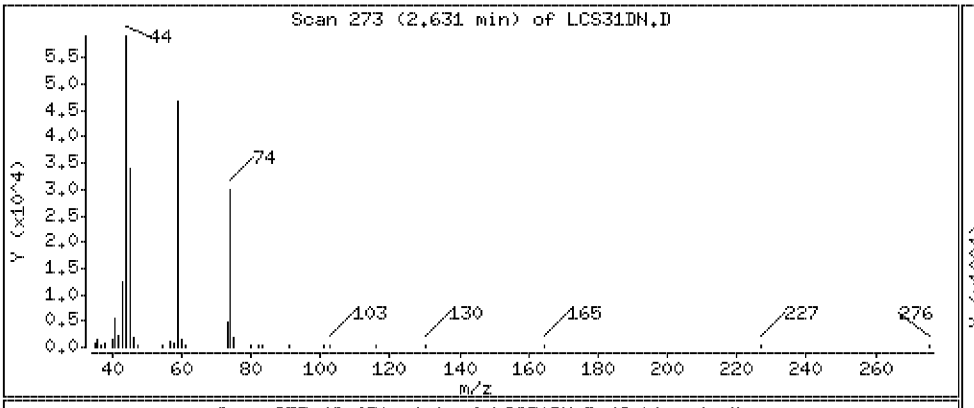
Operator:

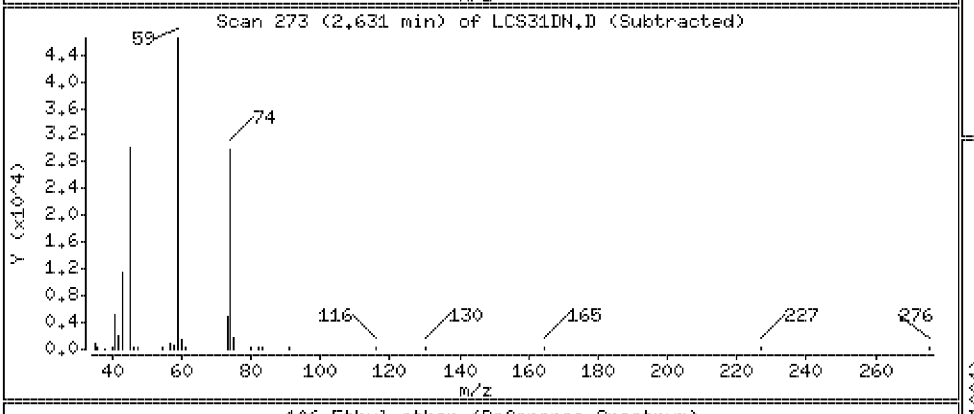
Column phase: RTX-502.2

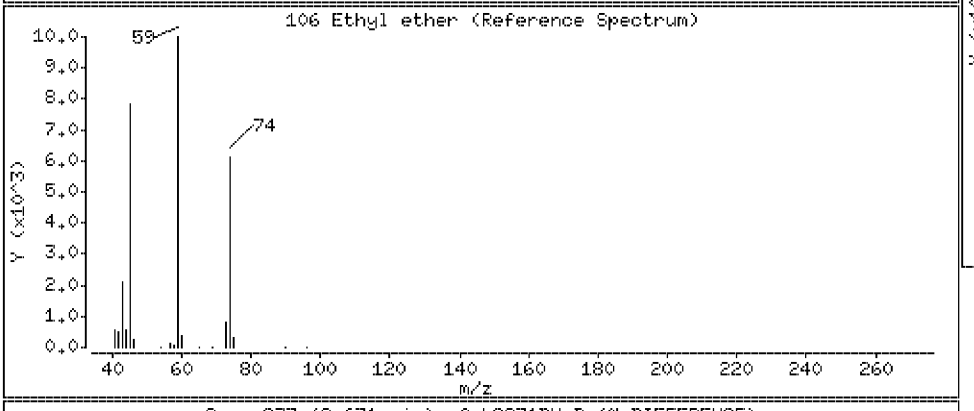
Column diameter: 0.18

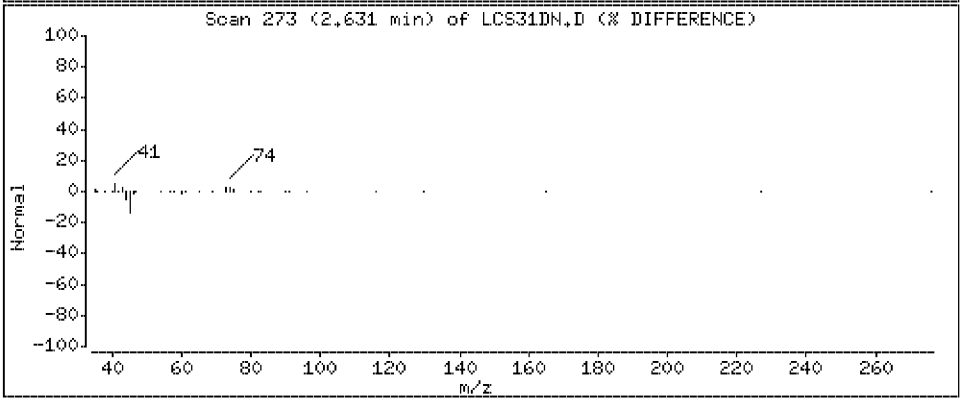
106 Ethyl ether

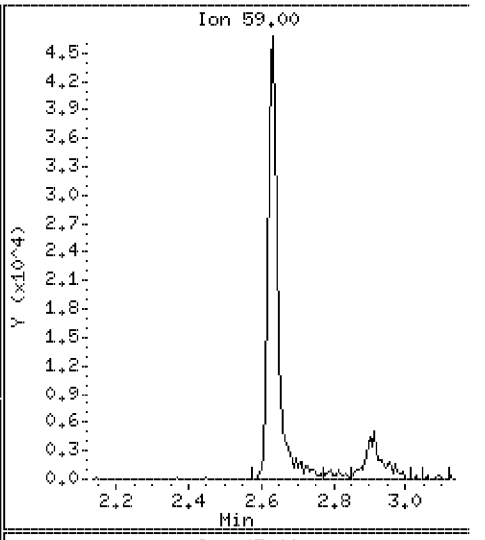
Concentration: 12.6 ug/l

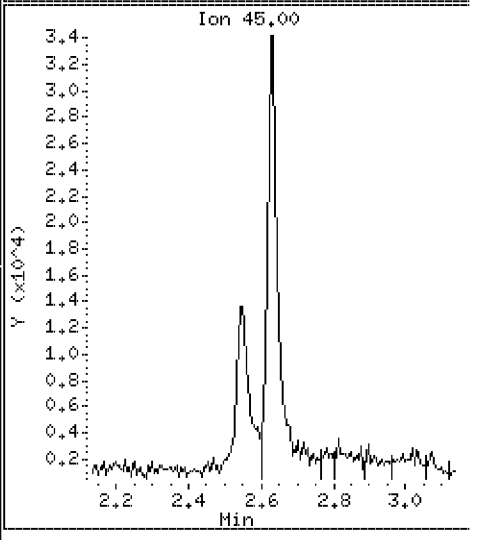












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

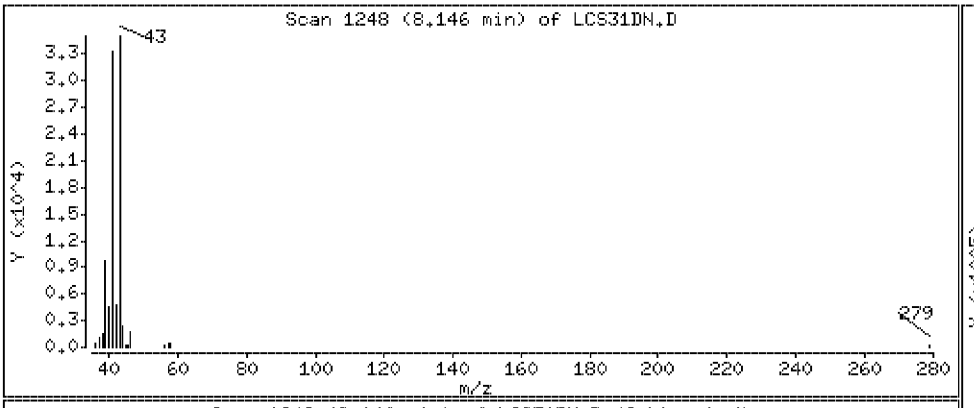
Operator:

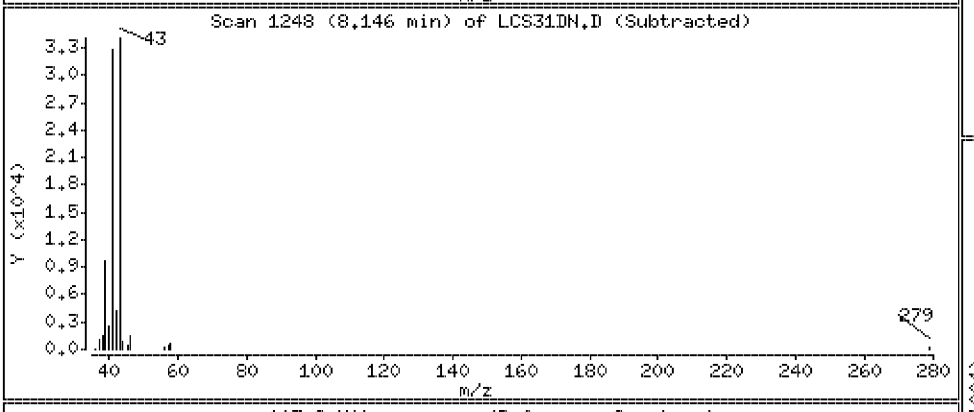
Column phase: RTX-502.2

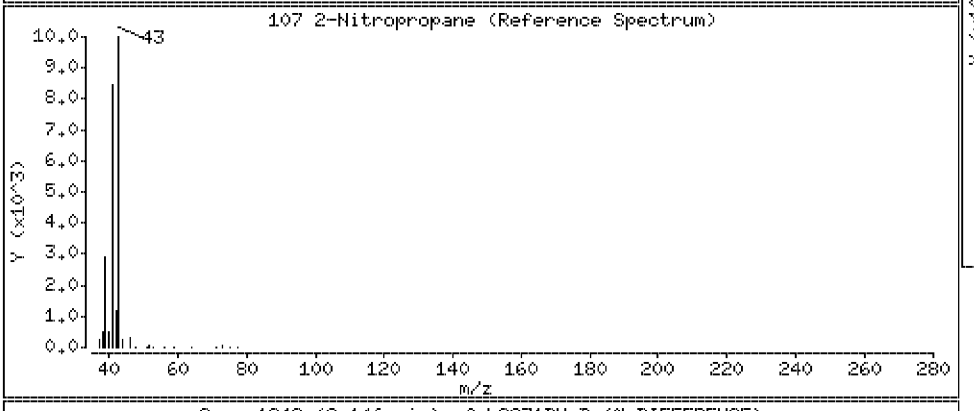
Column diameter: 0.18

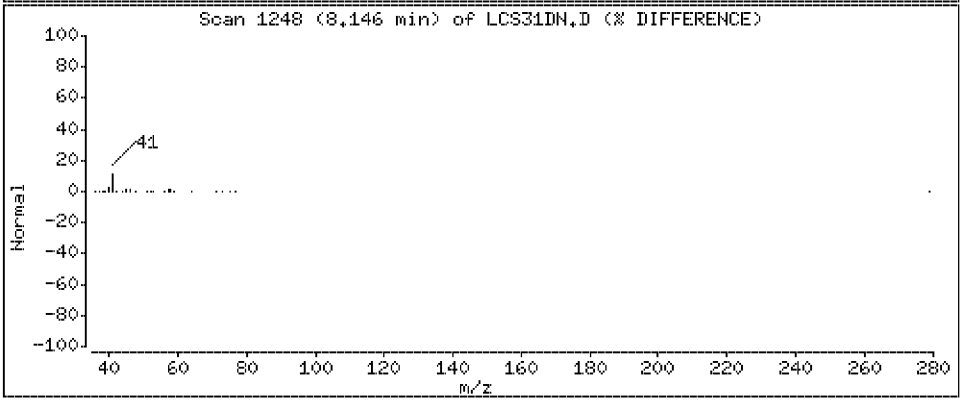
107 2-Nitropropane

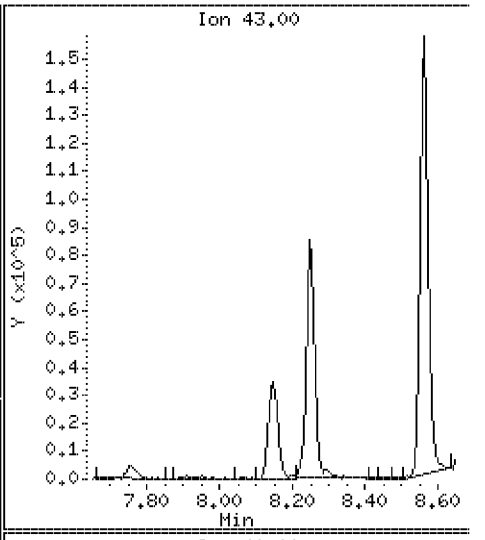
Concentration: 30.3 ug/l

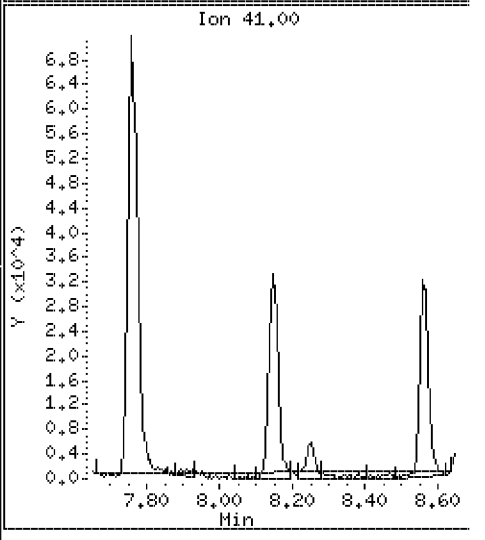












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

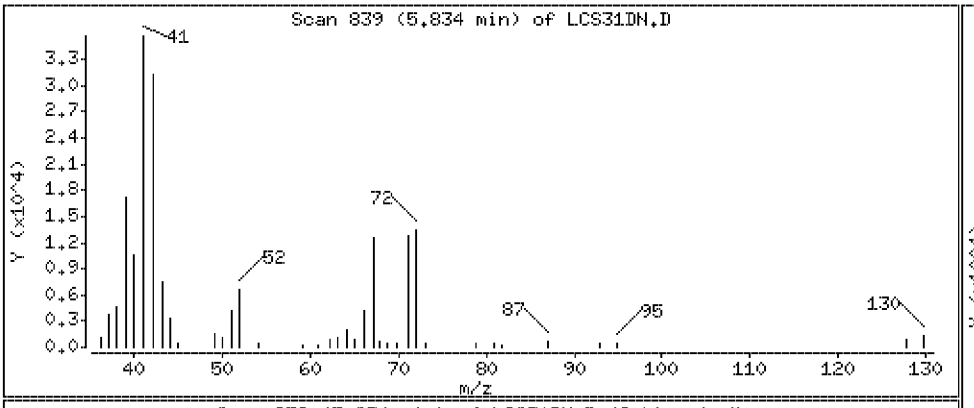
Operator:

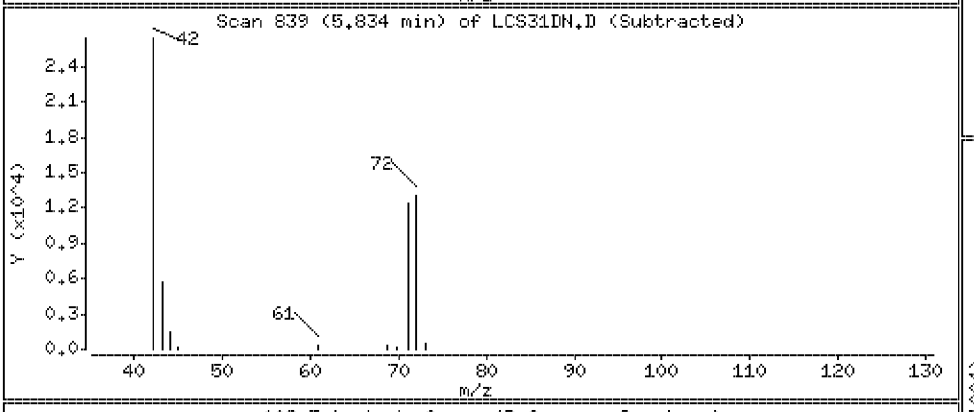
Column phase: RTX-502.2

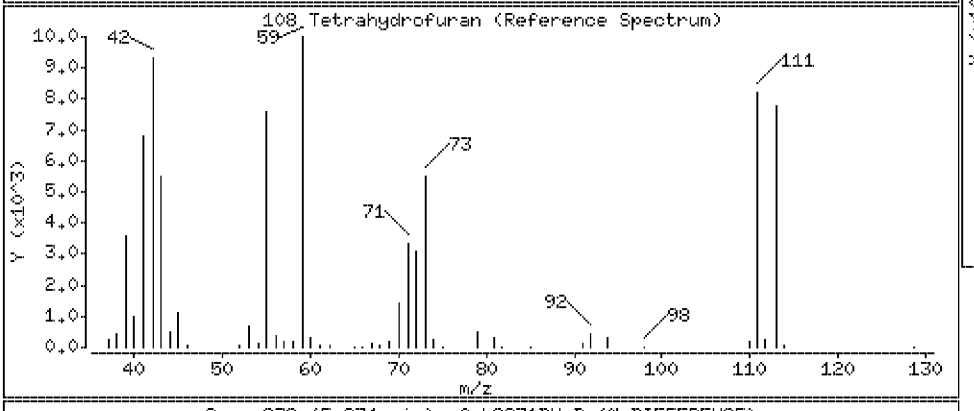
Column diameter: 0.18

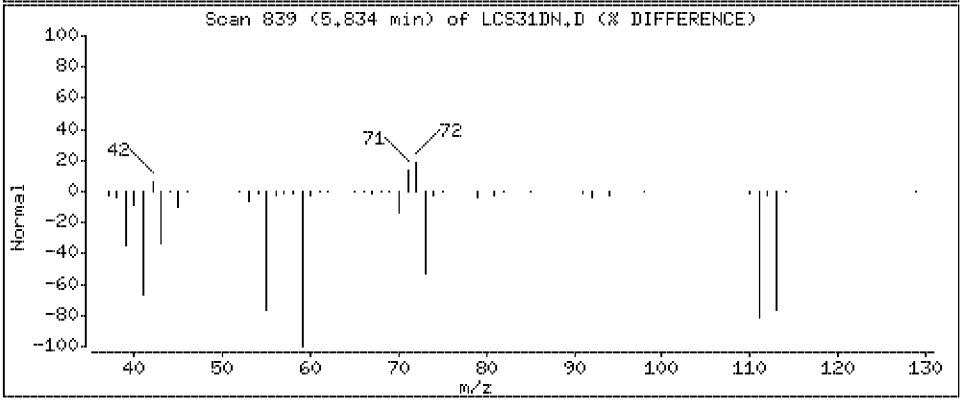
108 Tetrahydrofuran

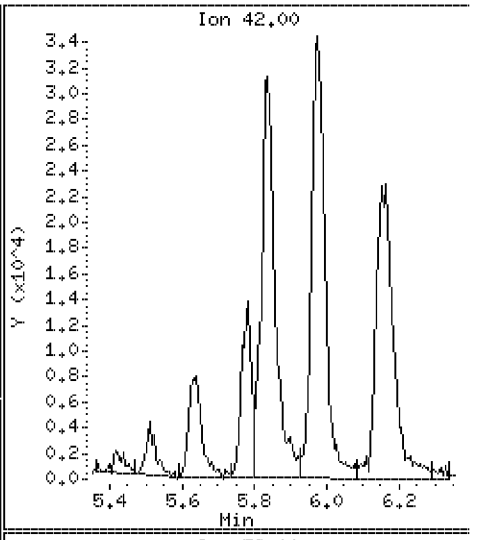
Concentration: 38.9 ug/l

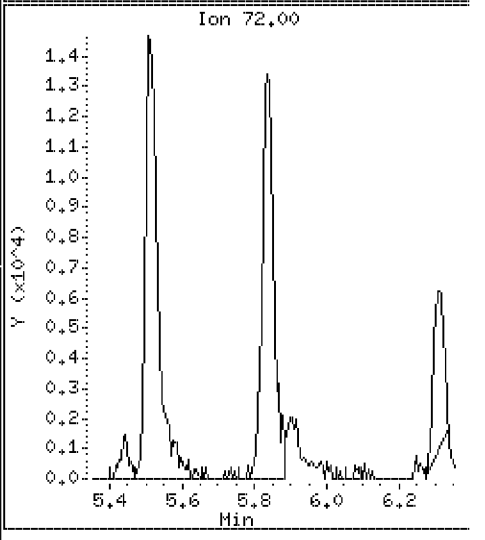












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

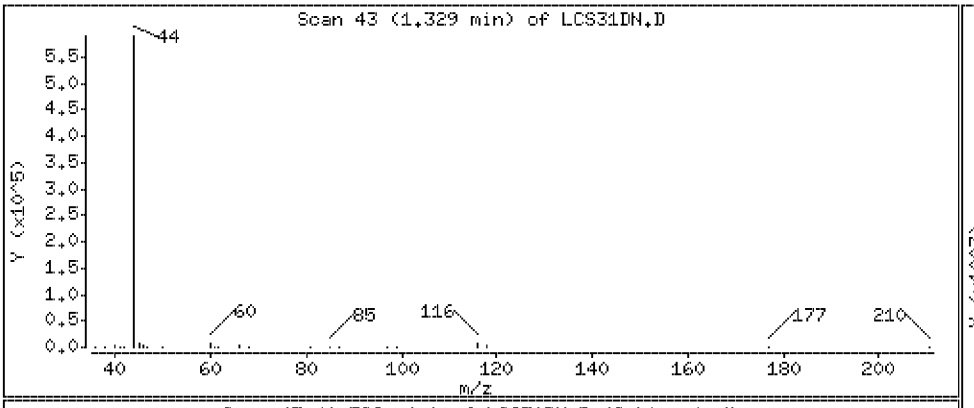
Operator:

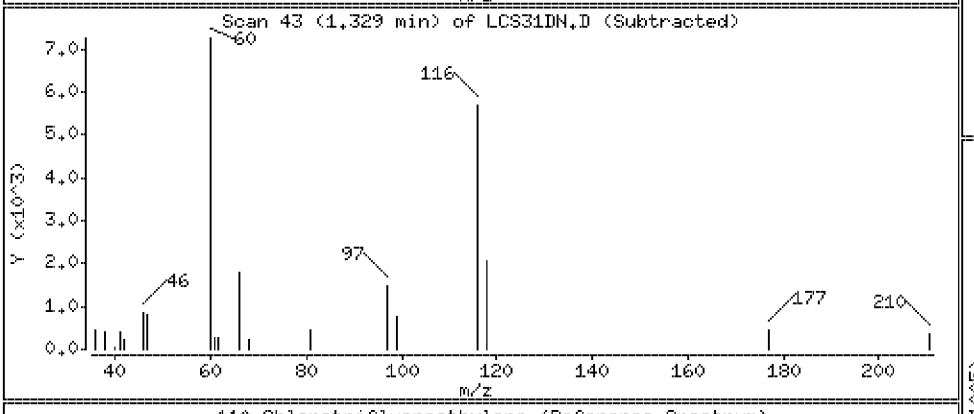
Column phase: RTX-502.2

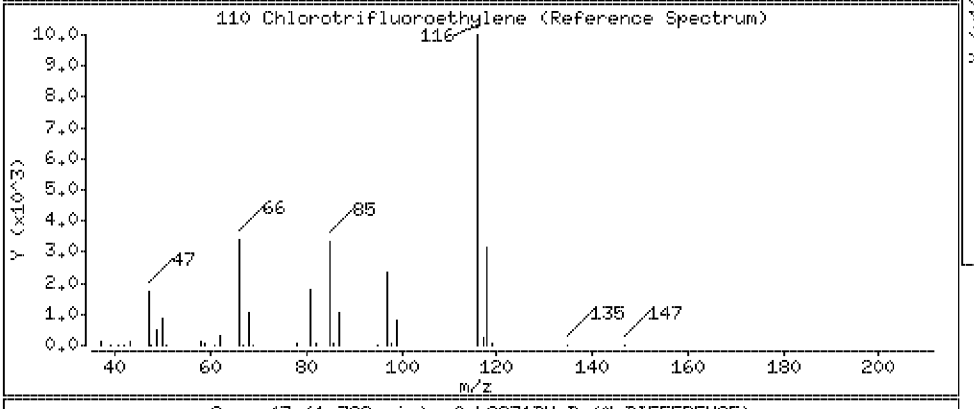
Column diameter: 0.18

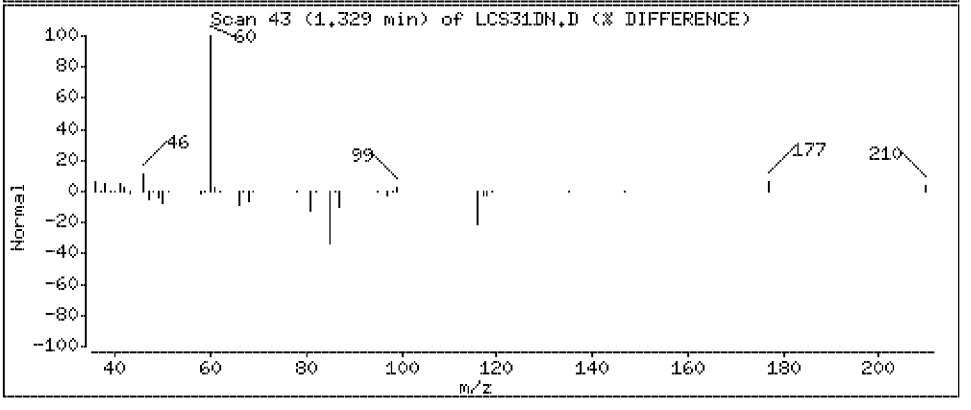
110 Chlorotrifluoroethylene

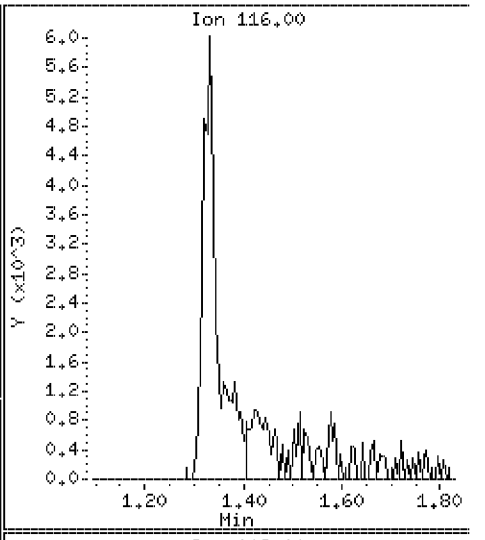
Concentration: 9.3 ug/l

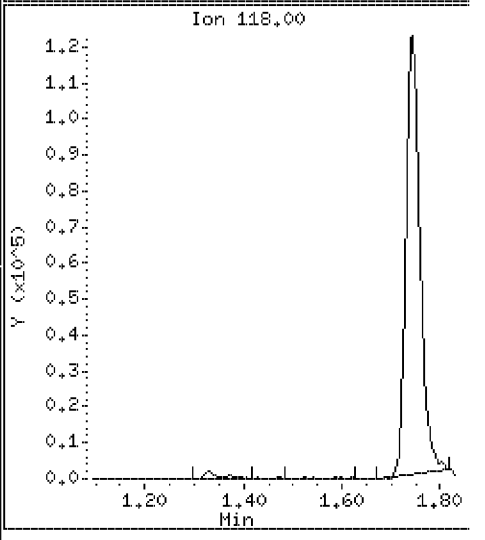












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

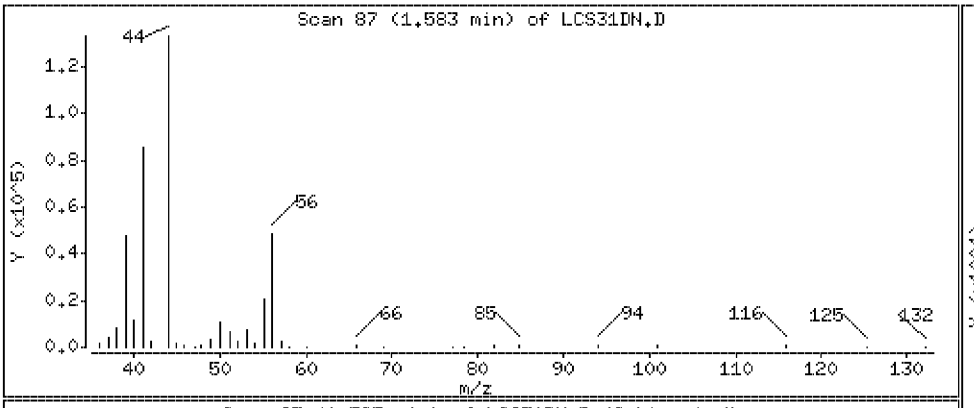
Operator:

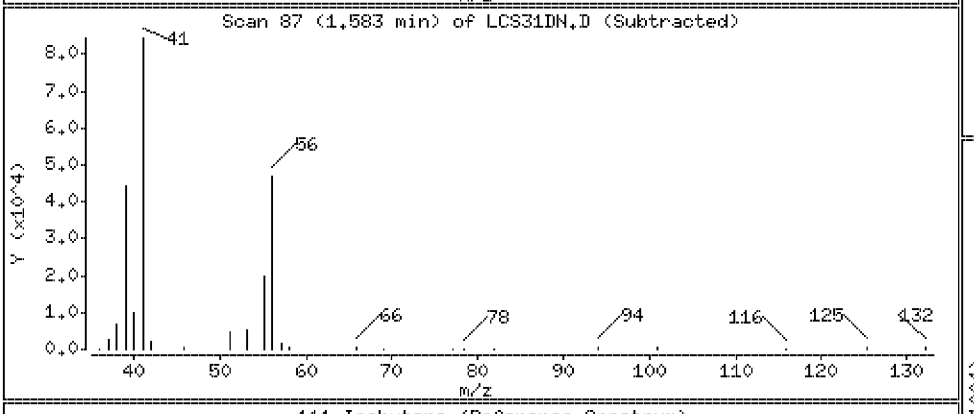
Column phase: RTX-502.2

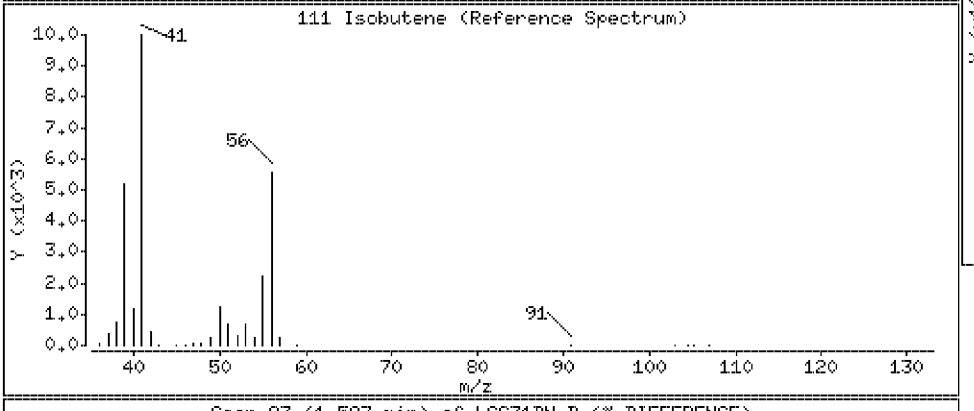
Column diameter: 0.18

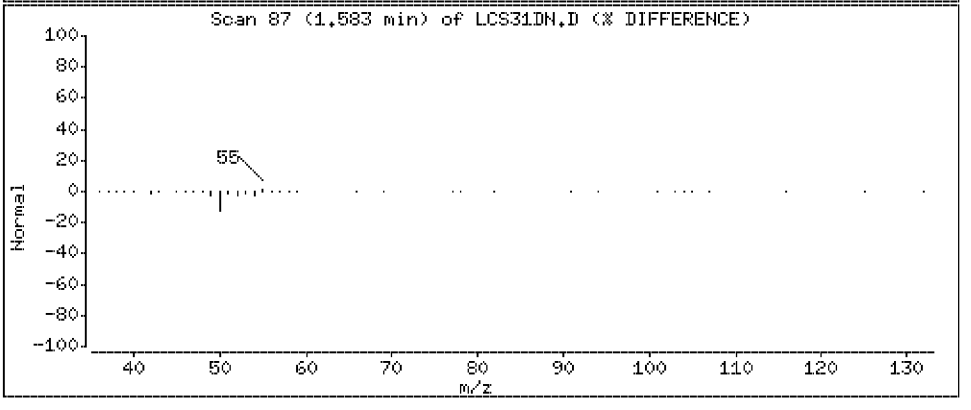
111 Isobutene

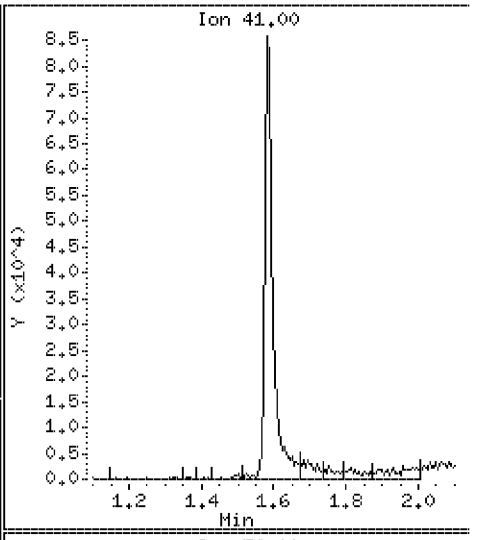
Concentration: 409 ug/l

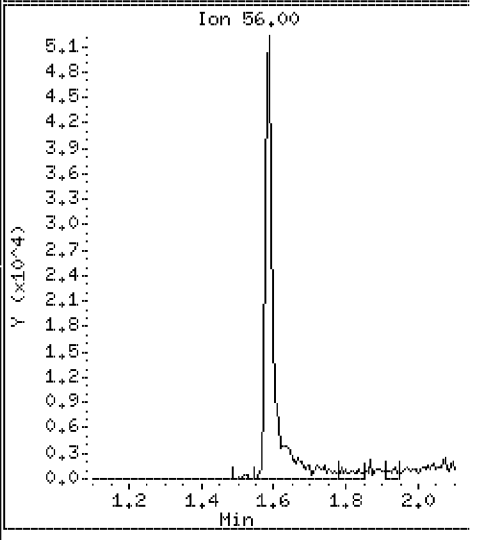












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

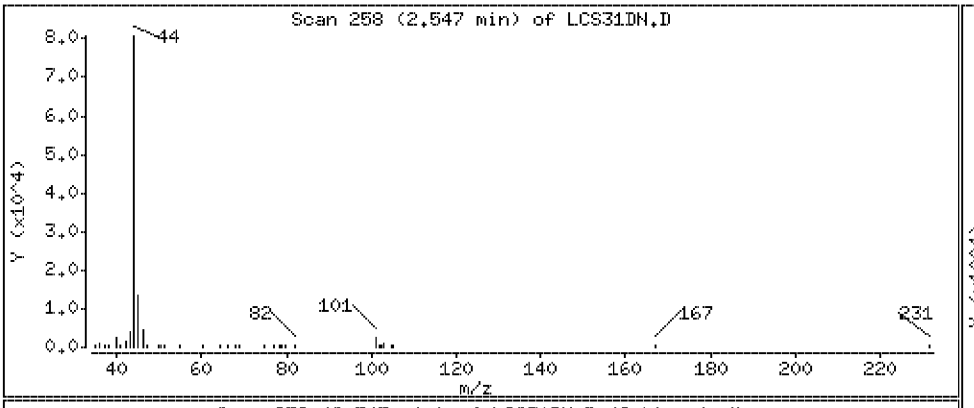
Operator:

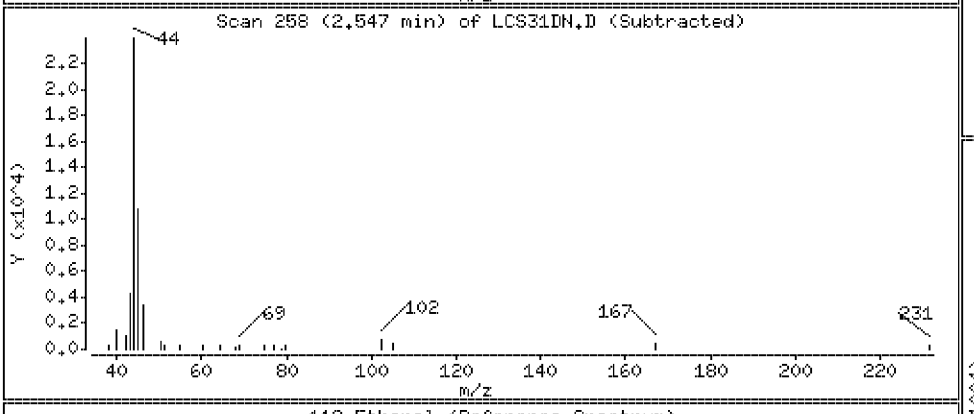
Column phase: RTX-502.2

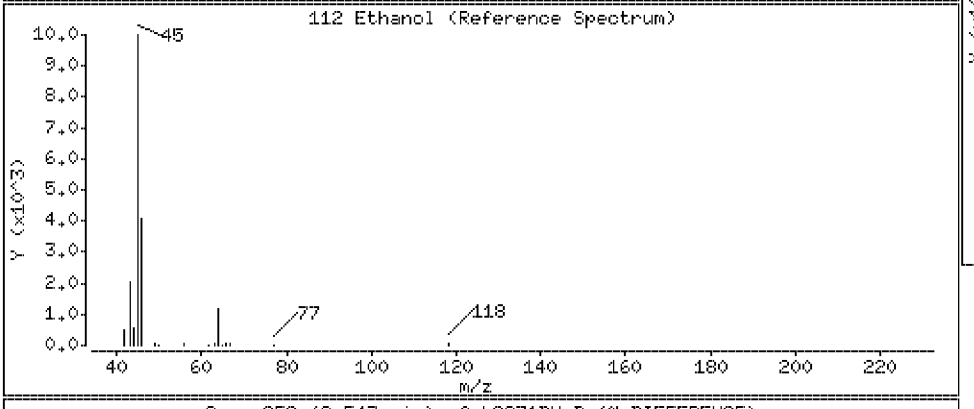
Column diameter: 0.18

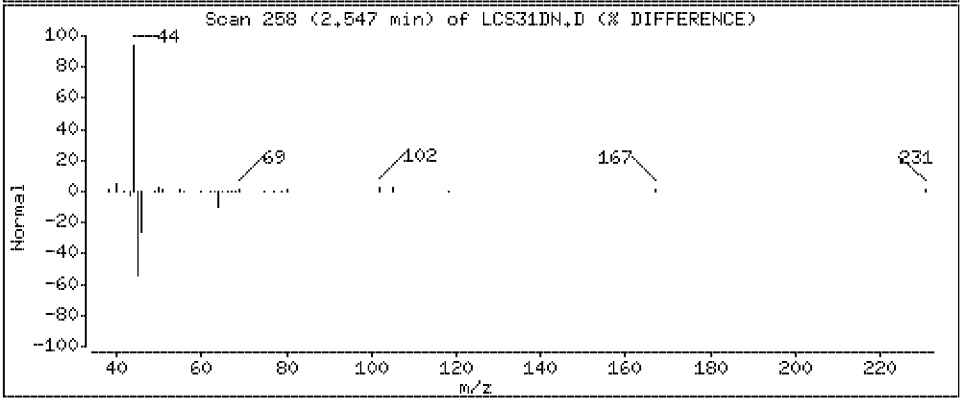
112 Ethanol

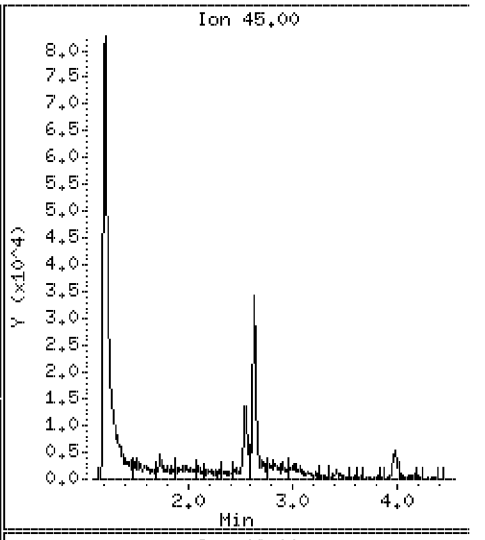
Concentration: 1480 ug/l

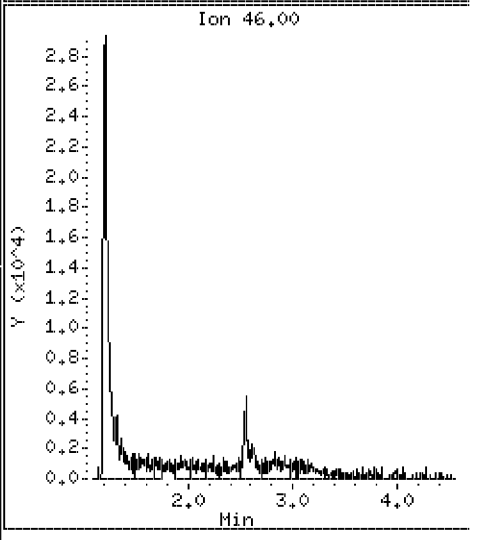












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

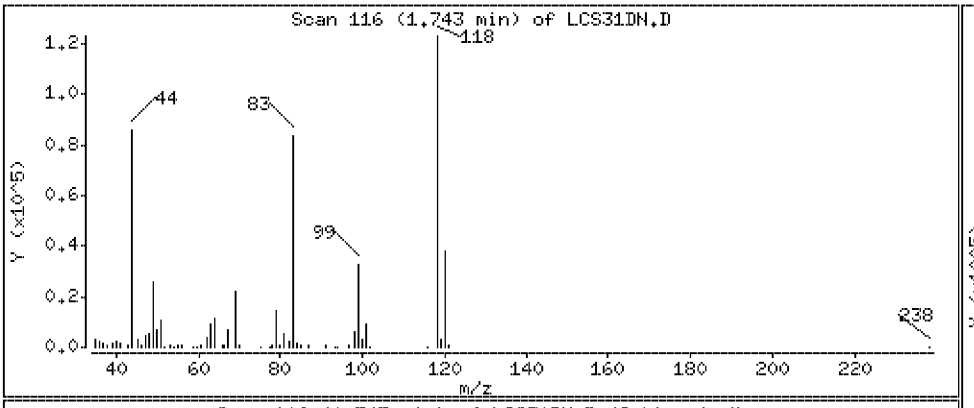
Operator:

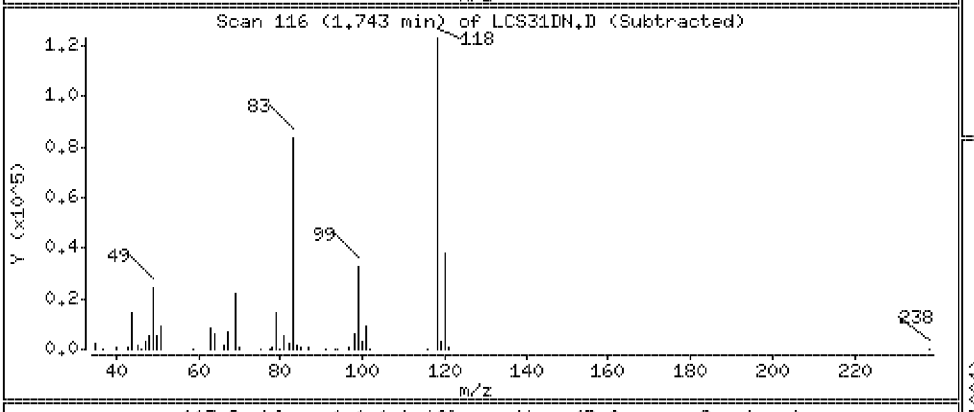
Column phase: RTX-502.2

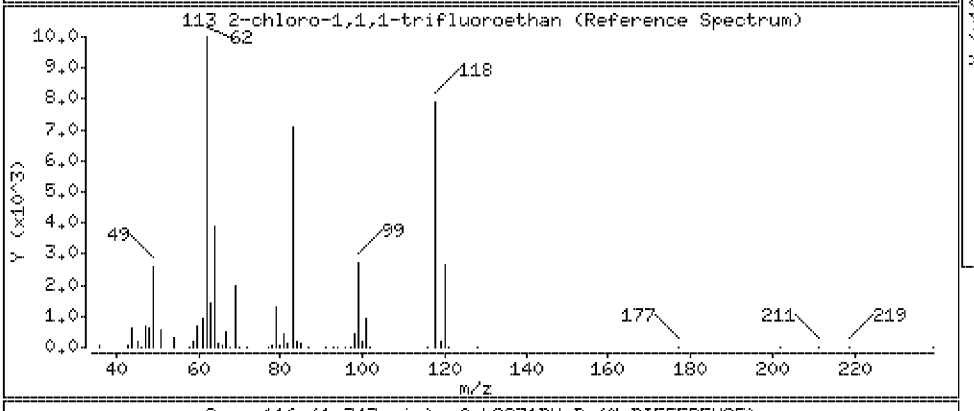
Column diameter: 0.18

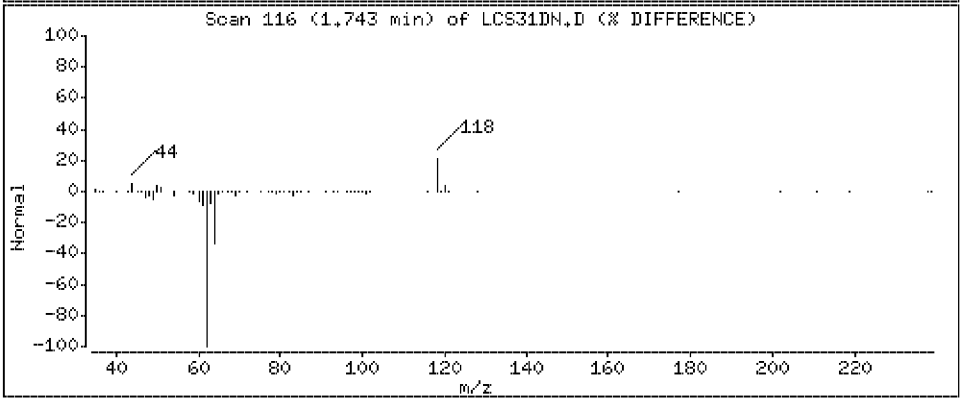
113 2-chloro-1,1,1-trifluoroethan

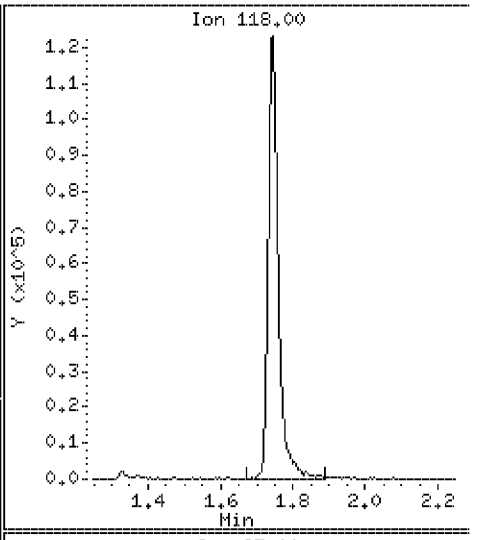
Concentration: 20.3 ug/l

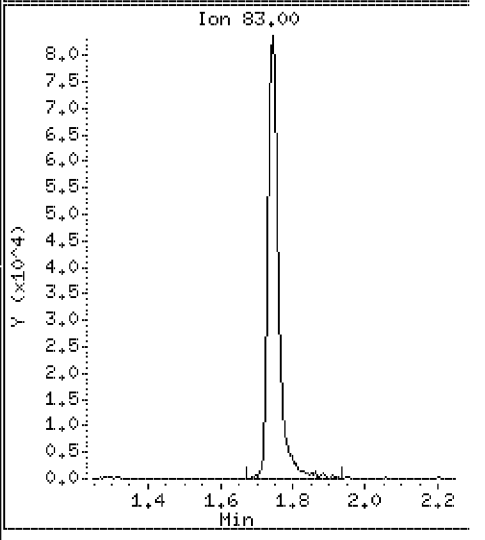












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

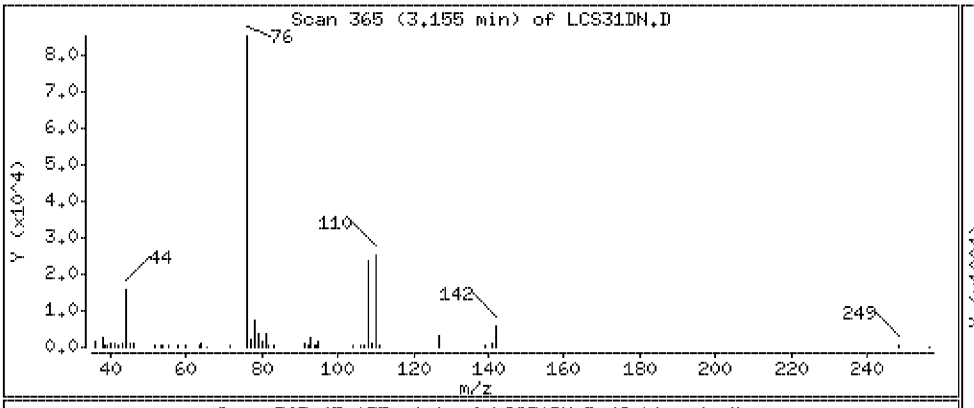
Operator:

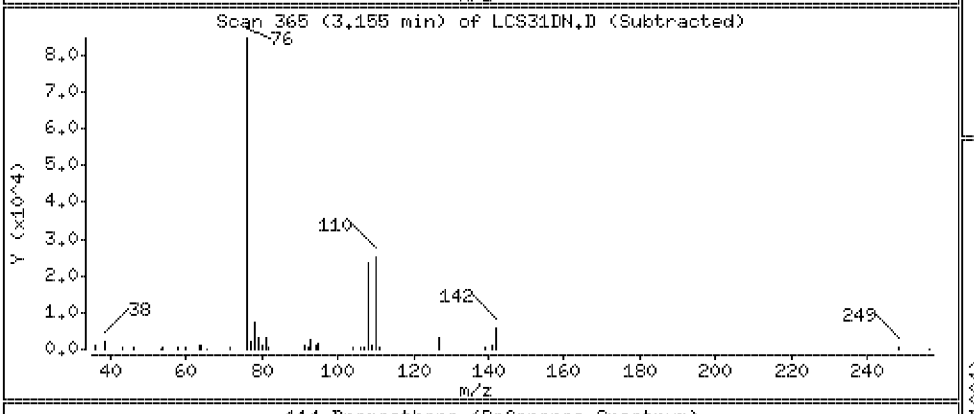
Column phase: RTX-502.2

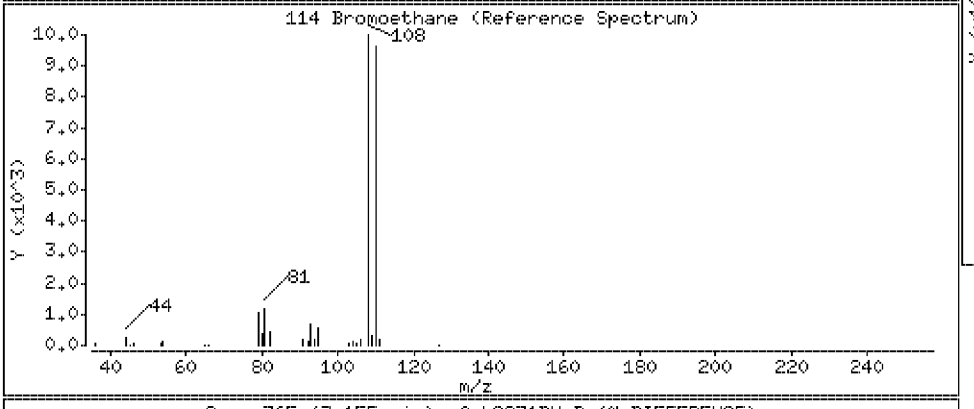
Column diameter: 0.18

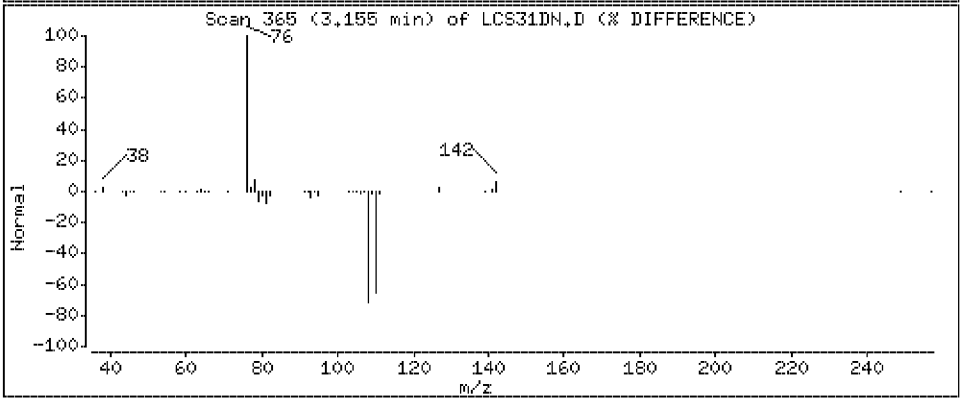
114 Bromoethane

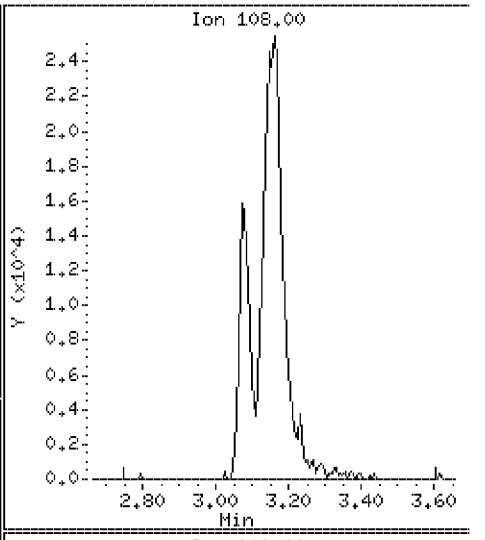
Concentration: 18.6 ug/l

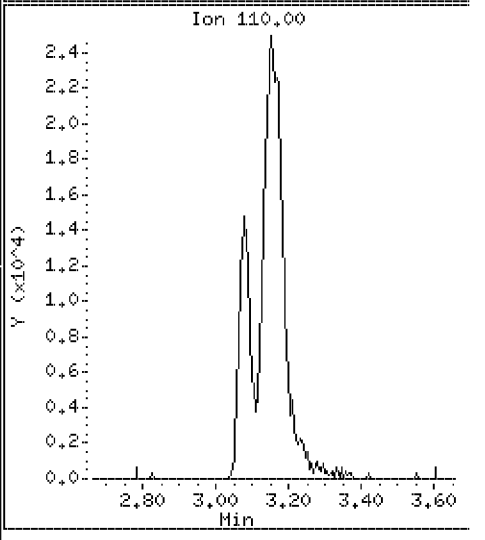












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

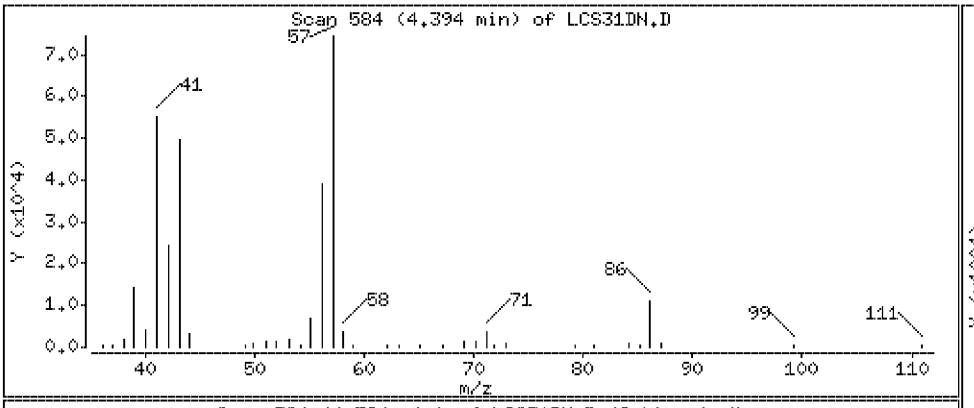
Operator:

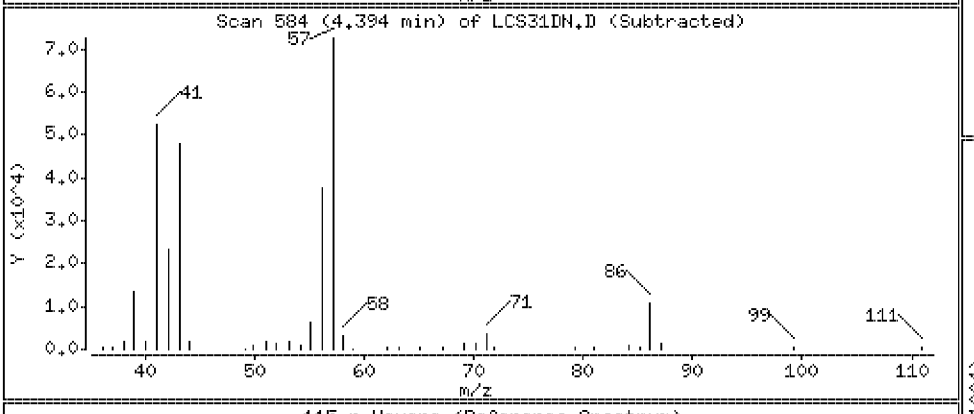
Column phase: RTX-502.2

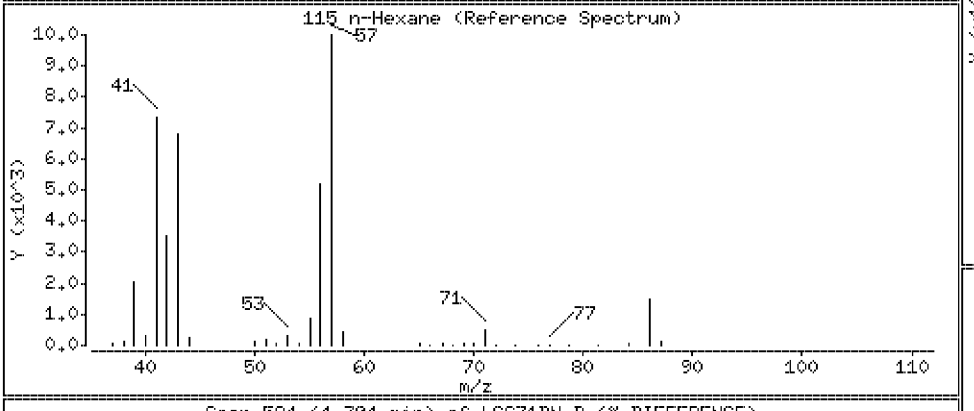
Column diameter: 0.18

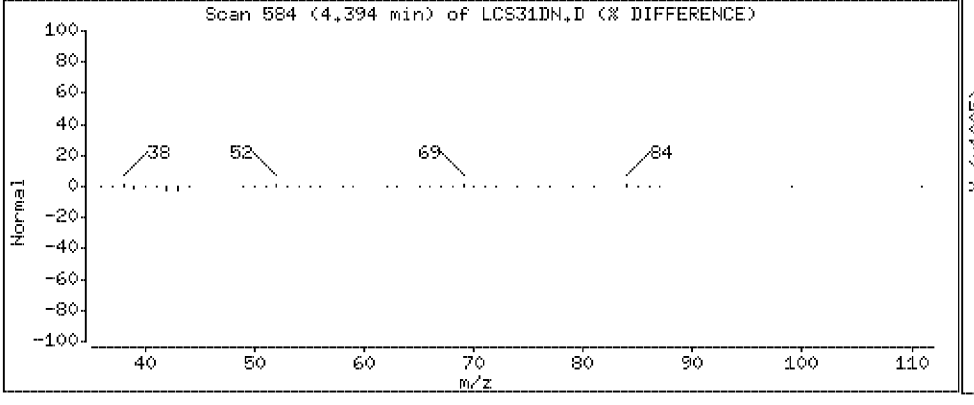
115 n-Hexane

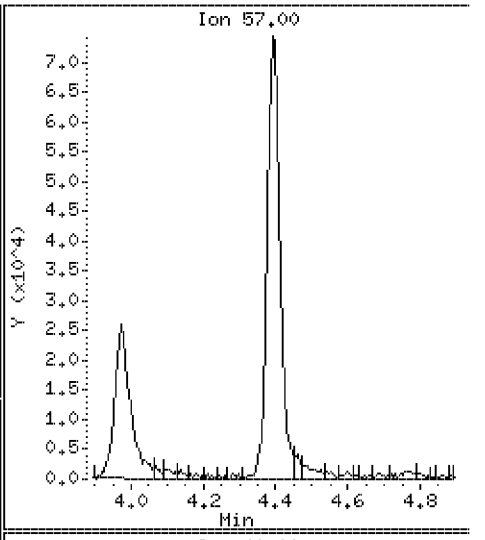
Concentration: 21.2 ug/l

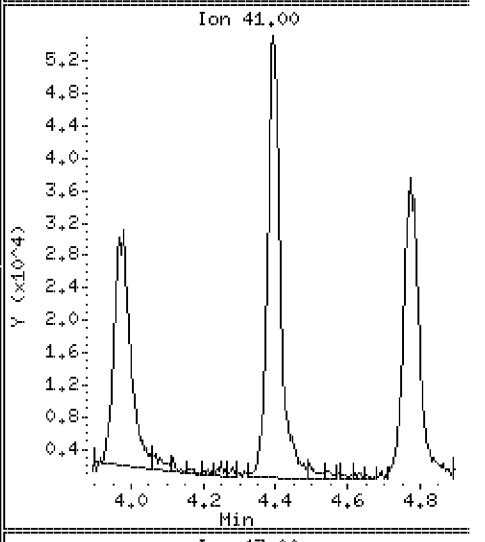


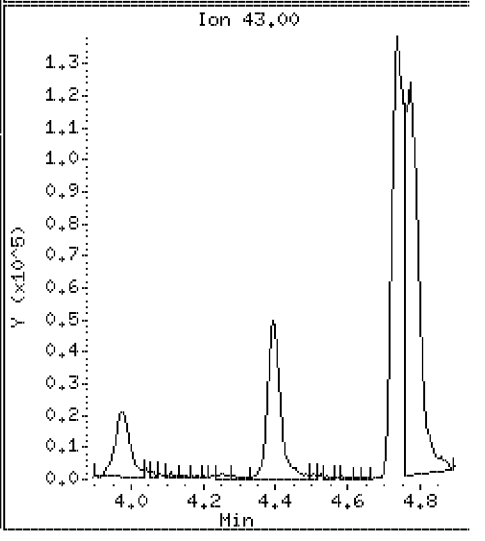












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

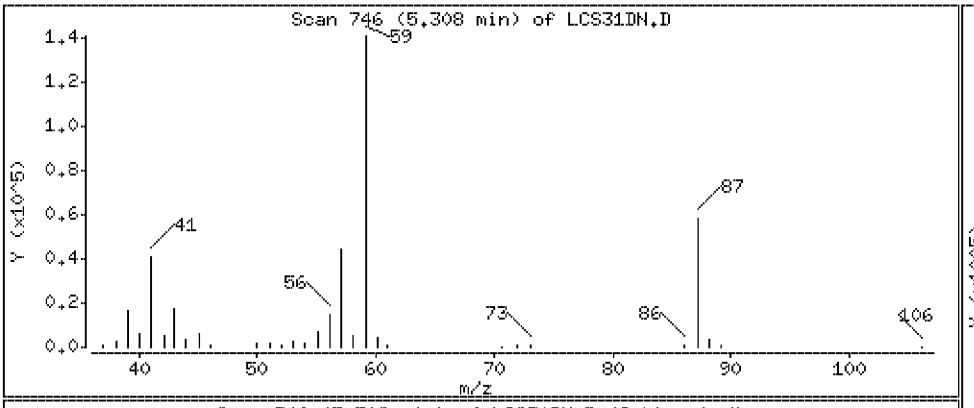
Operator:

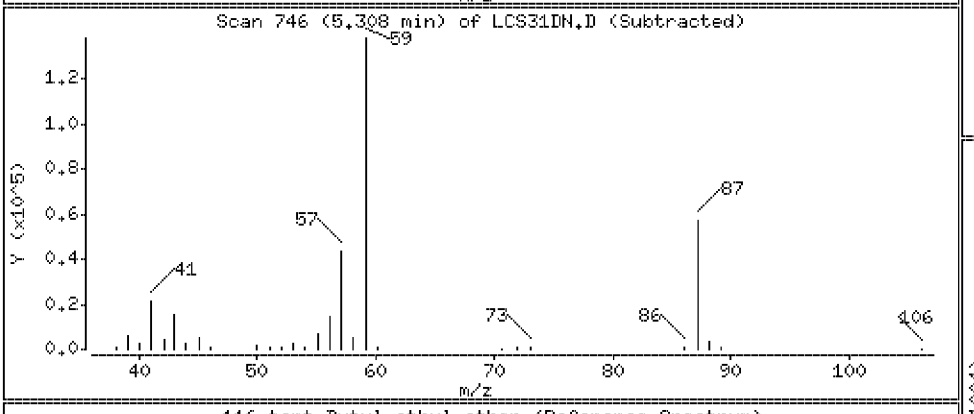
Column phase: RTX-502.2

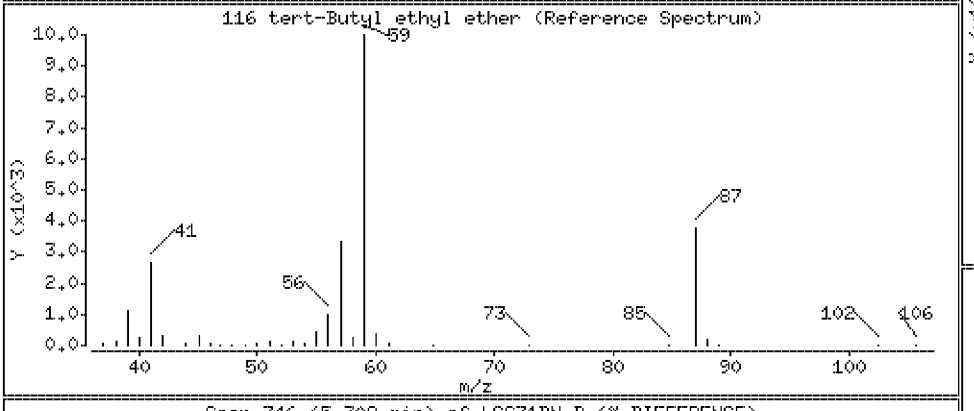
Column diameter: 0.18

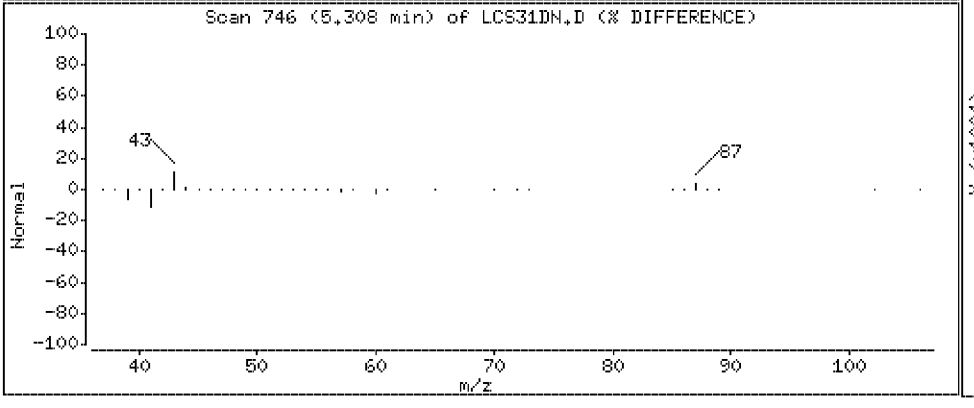
116 tert-Butyl ethyl ether

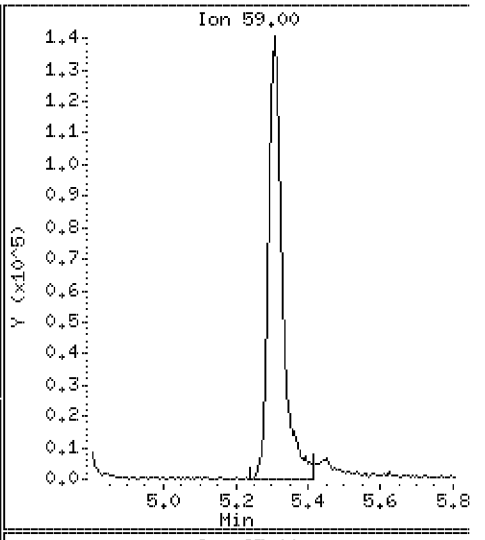
Concentration: 19.3 ug/l

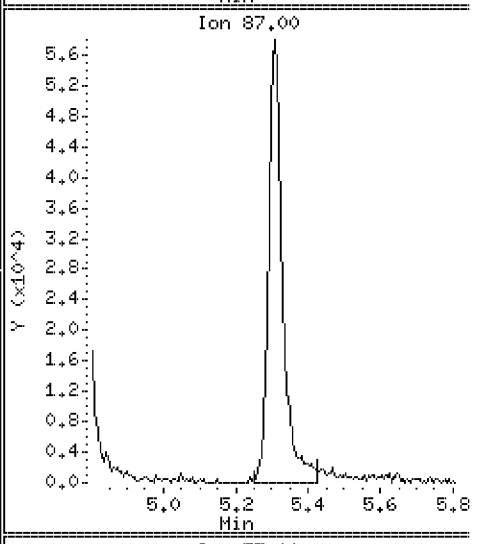


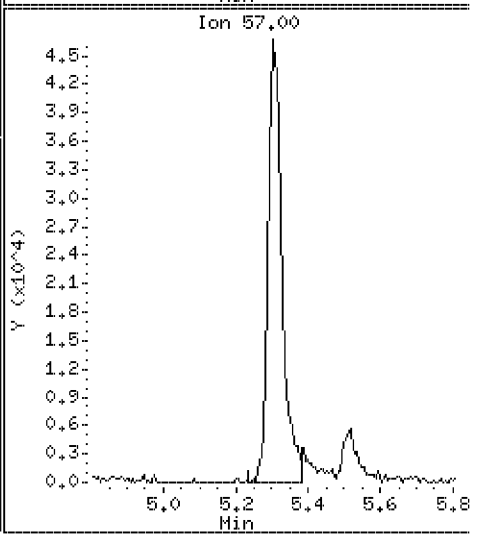












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

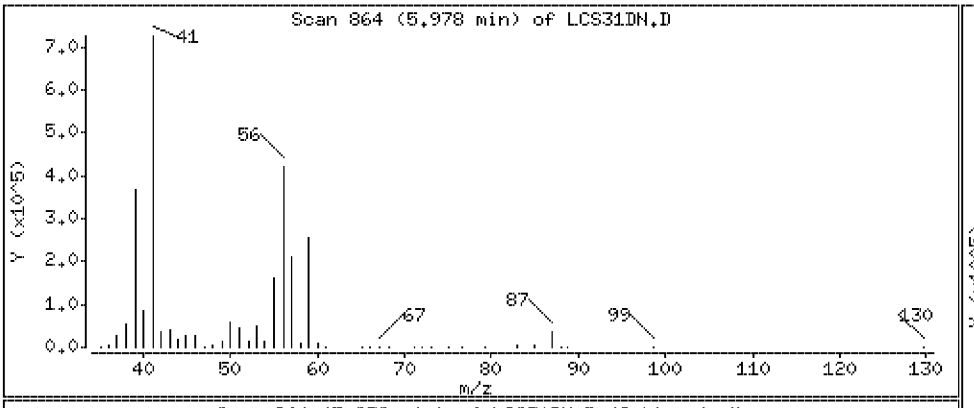
Operator:

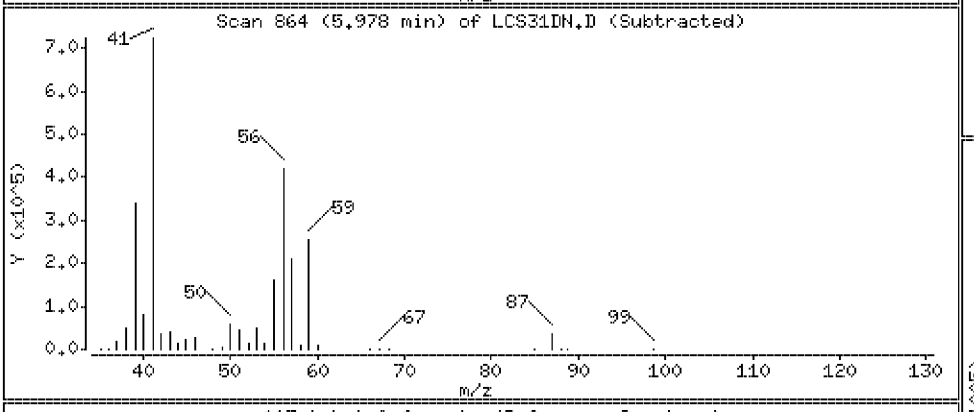
Column phase: RTX-502.2

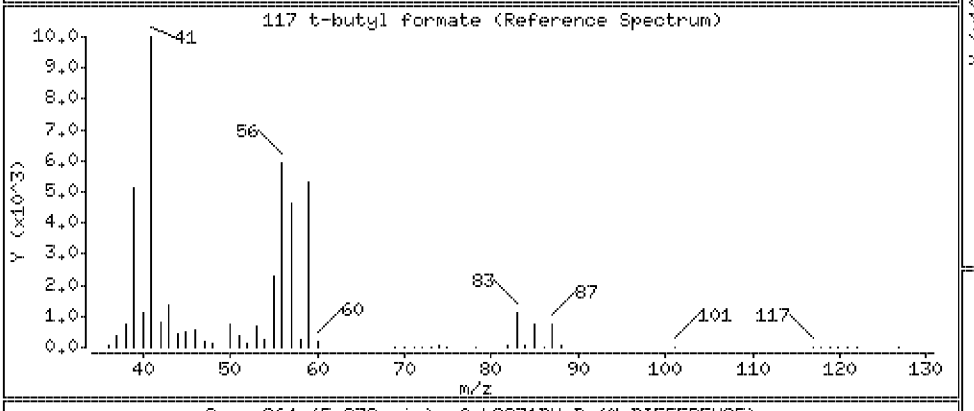
Column diameter: 0.18

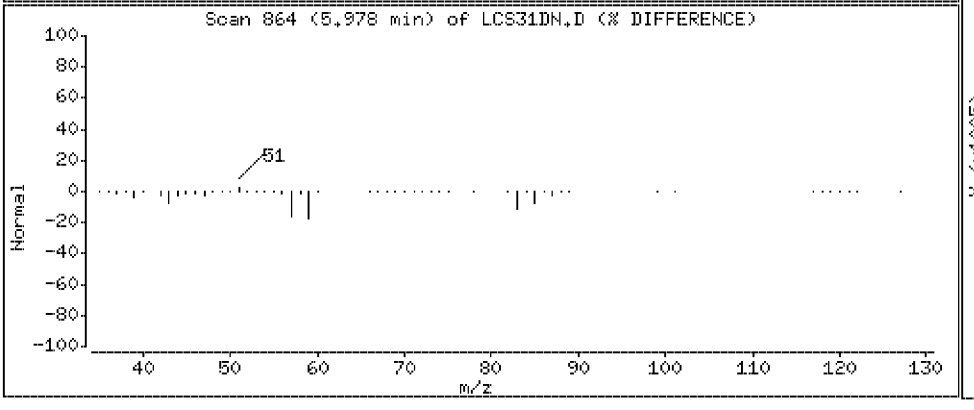
117 t-butyl formate

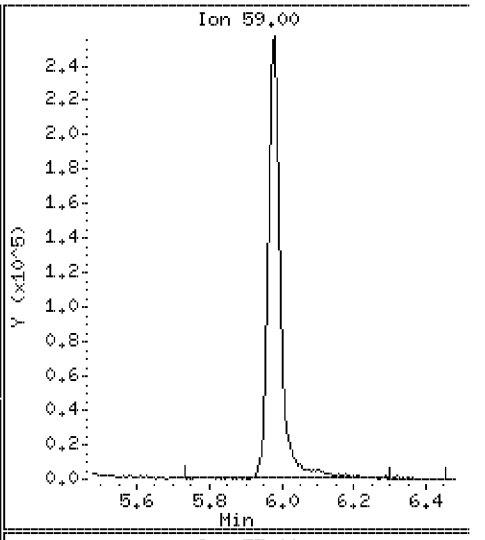
Concentration: 322 ug/l

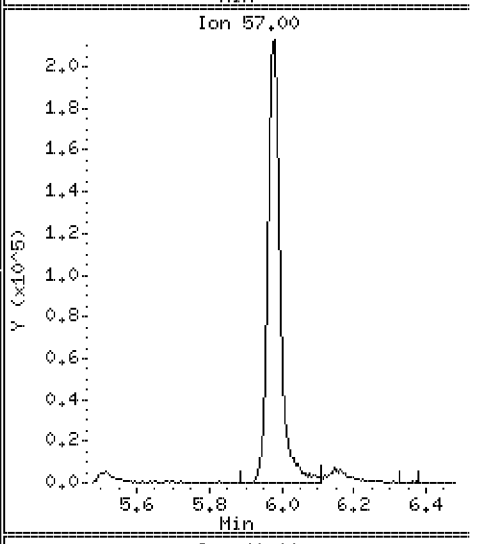


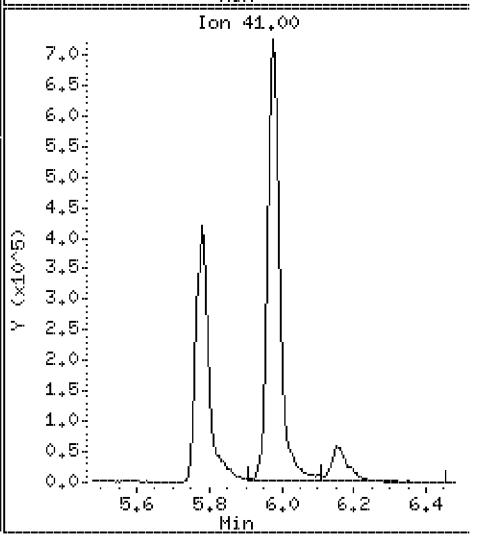












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

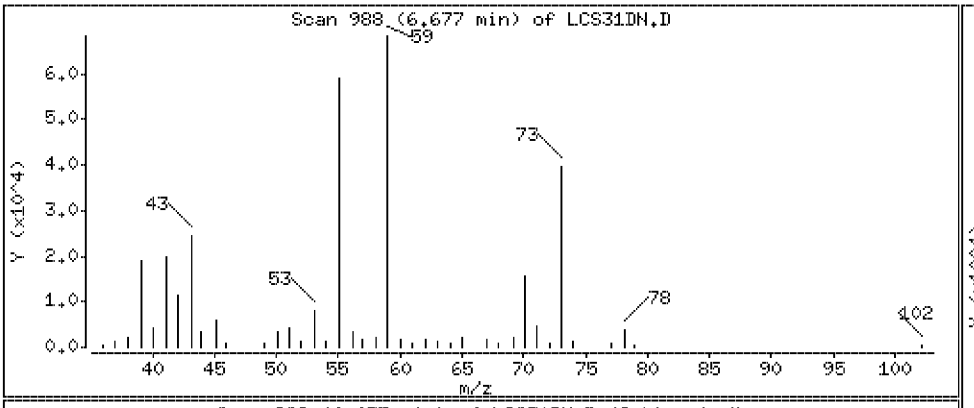
Operator:

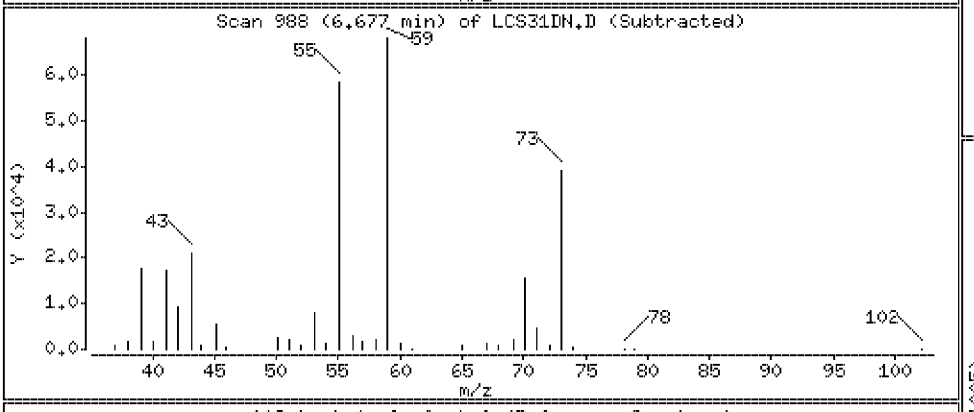
Column phase: RTX-502.2

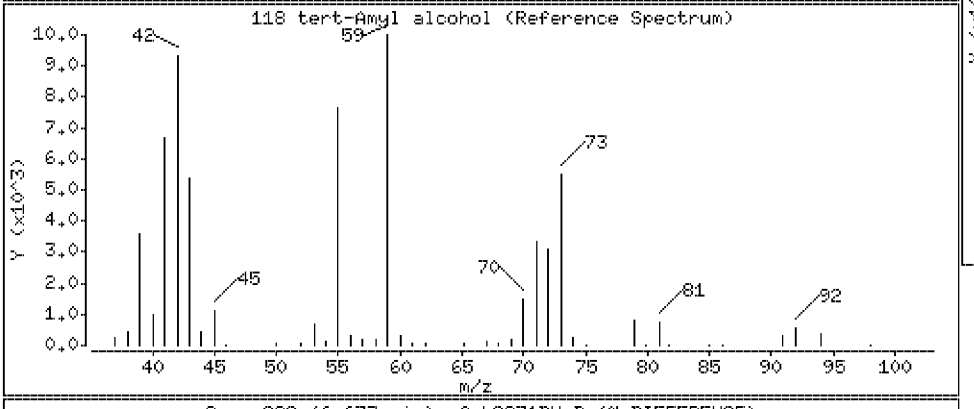
Column diameter: 0.18

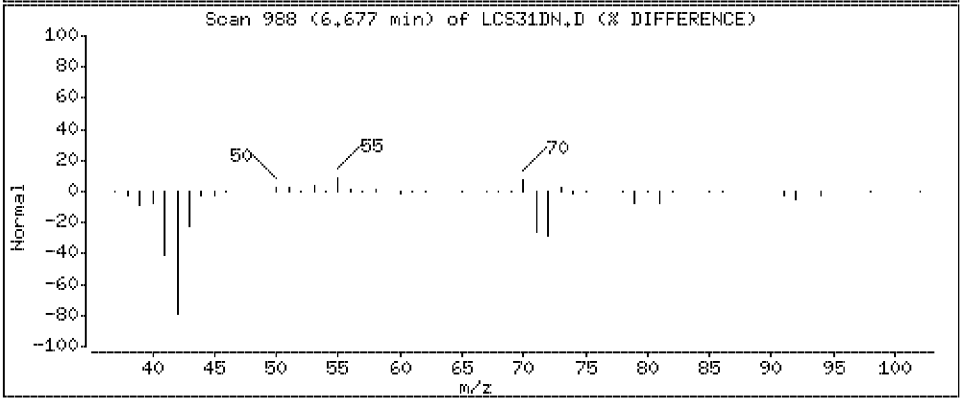
118 tert-Amyl alcohol

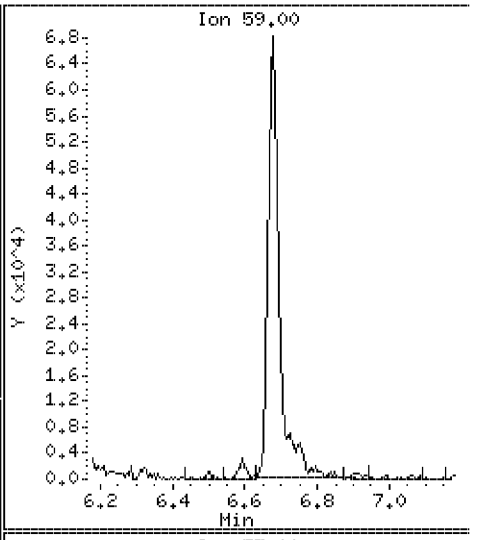
Concentration: 344 ug/l

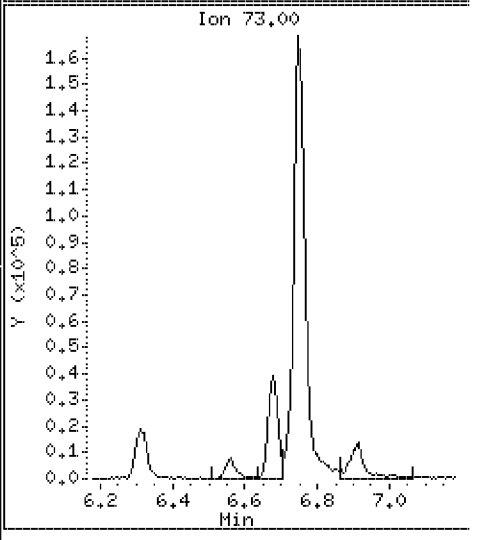












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

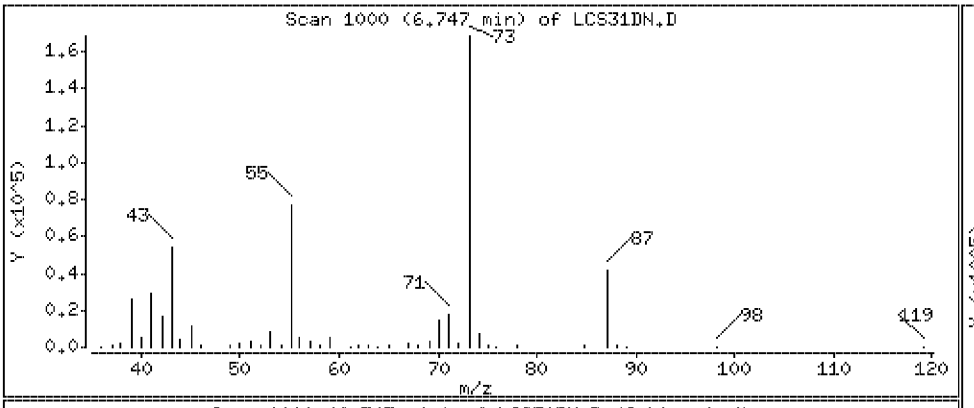
Operator:

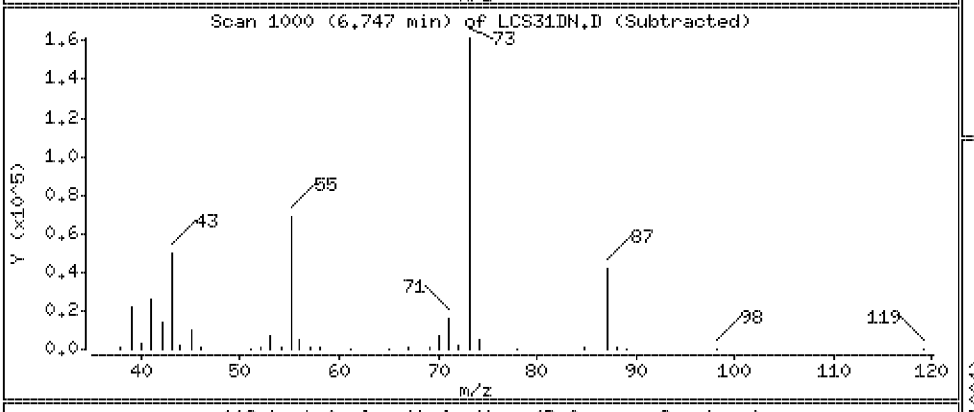
Column phase: RTX-502.2

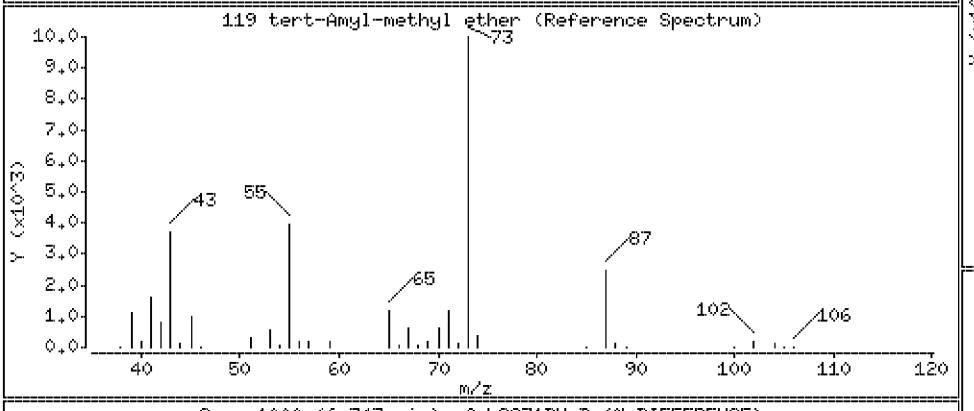
Column diameter: 0.18

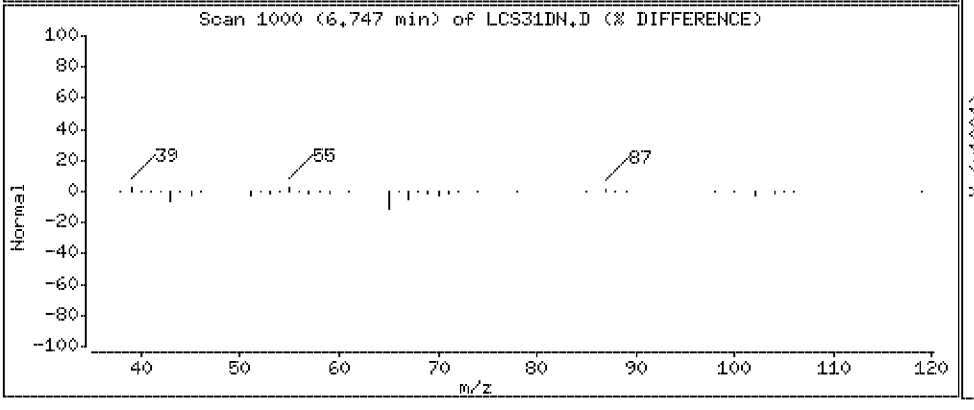
119 tert-Amyl-methyl ether

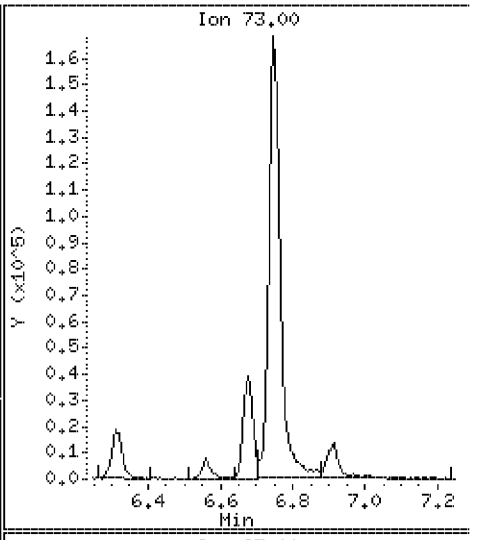
Concentration: 19.1 ug/l

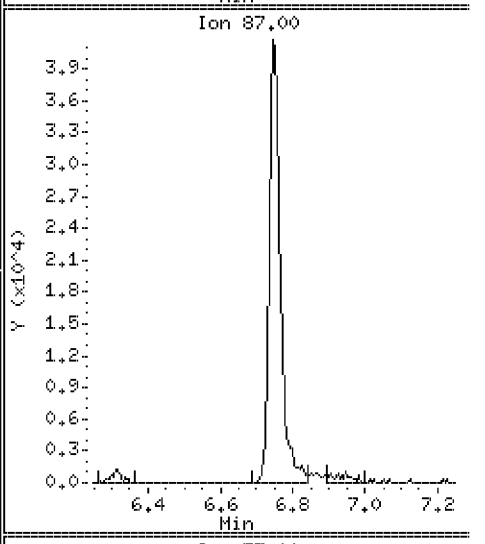


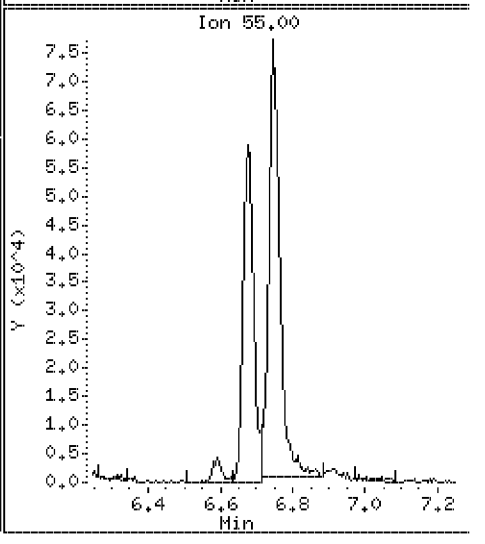












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

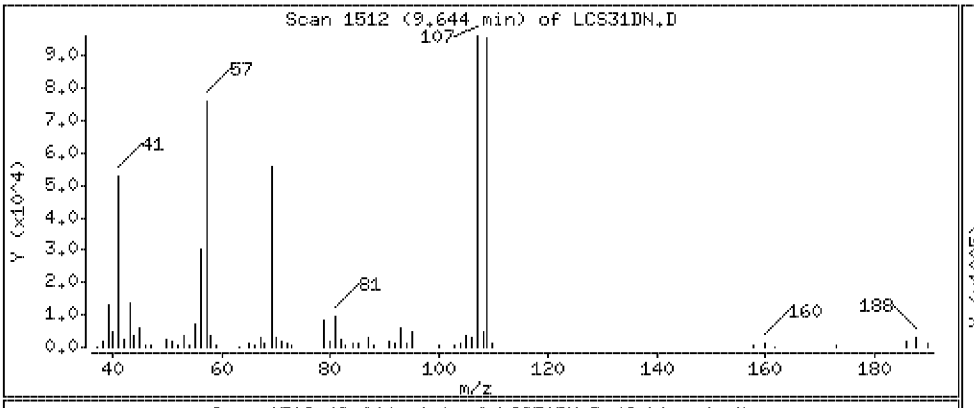
Operator:

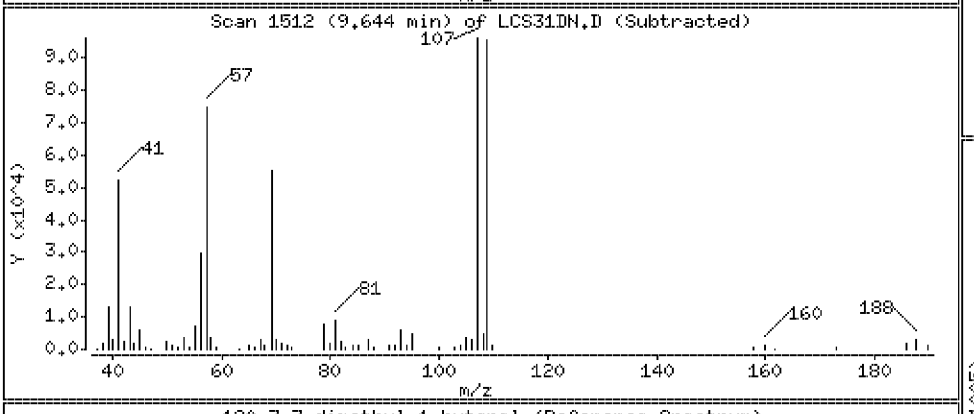
Column phase: RTX-502.2

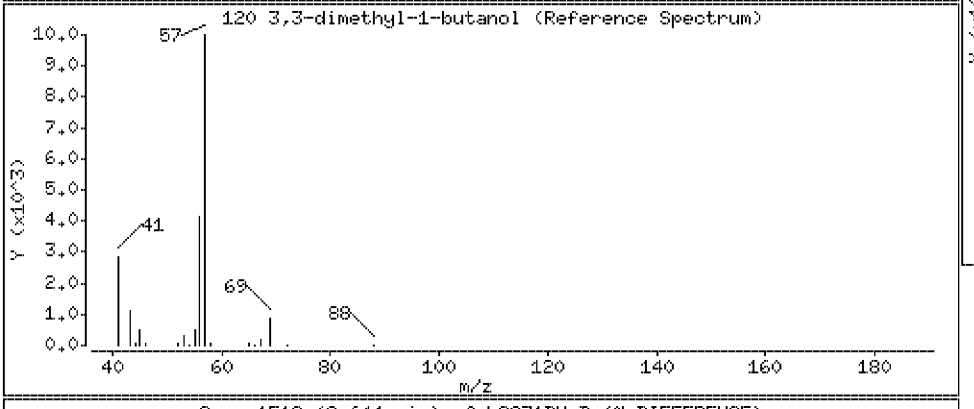
Column diameter: 0.18

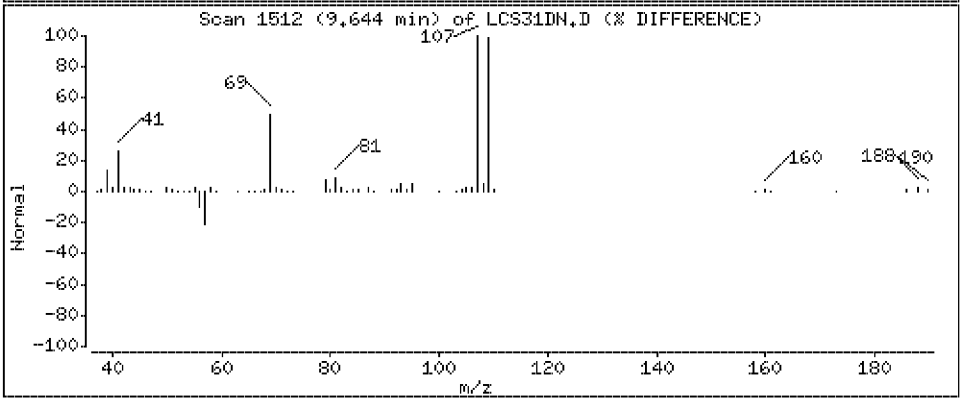
120 3,3-dimethyl-1-butanol

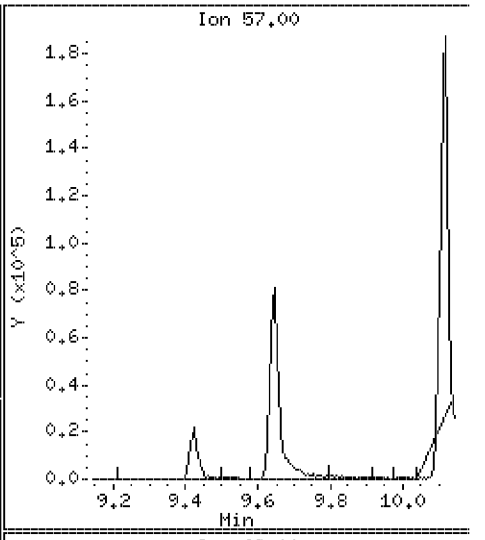
Concentration: 358 ug/l

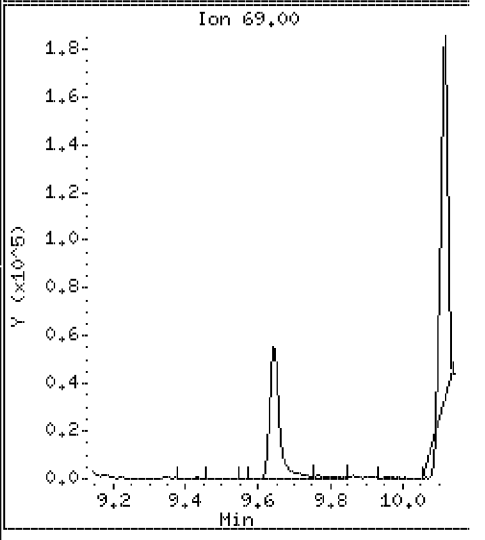












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\LCS31DN.D

Date : 27-JUL-2010 07:54

Client ID: 072710LCSA31D

Instrument: vms03.i

Sample Info: 072710LCSA31D

Purge Volume: 5.0

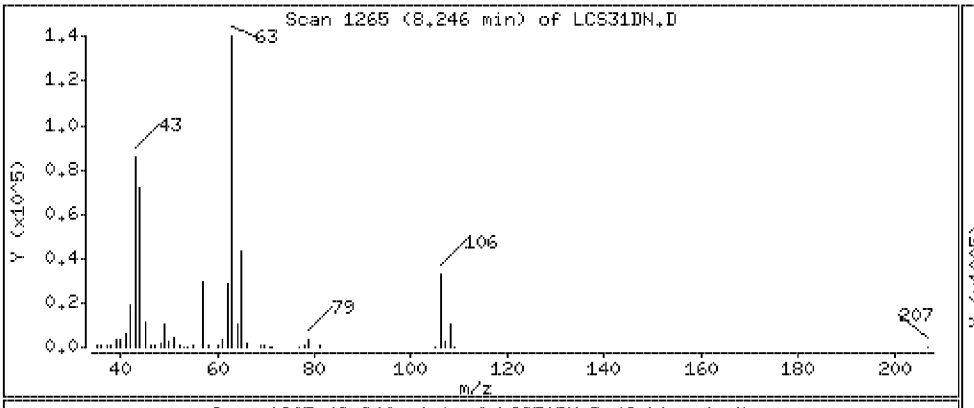
Operator:

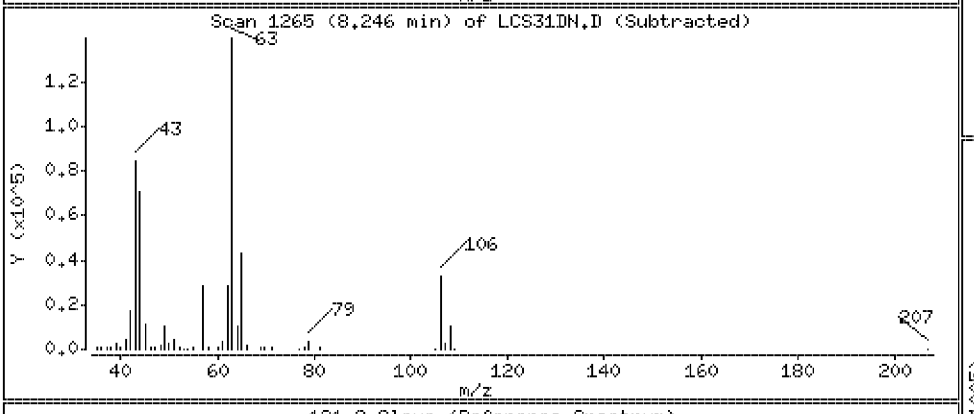
Column phase: RTX-502.2

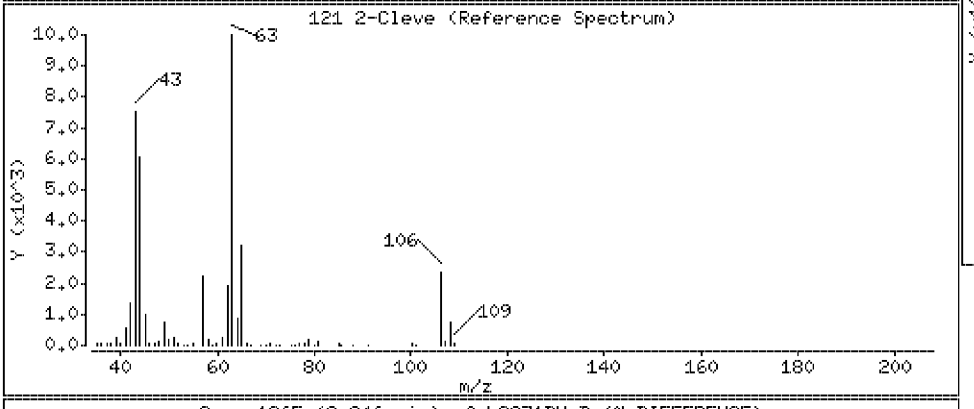
Column diameter: 0.18

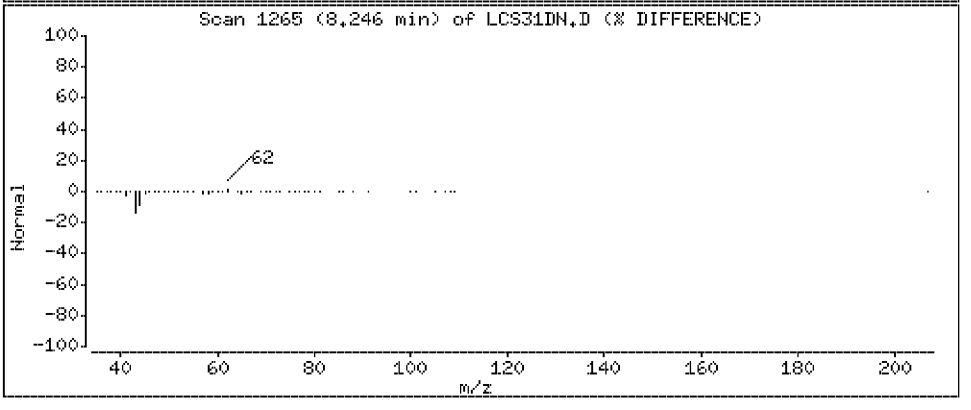
121 2-Cleve

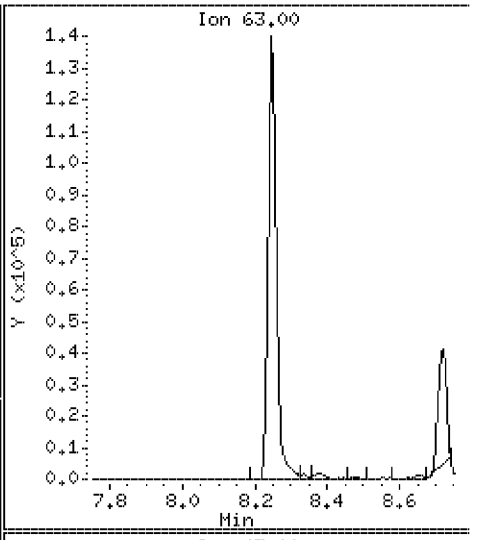
Concentration: 40.9 ug/l

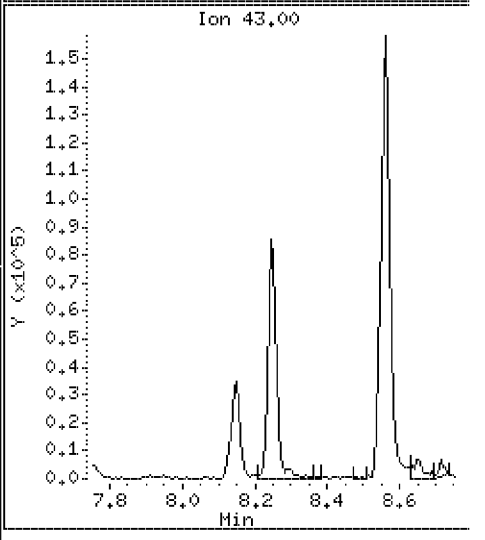












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\BLK32N.D
Lab Smp Id: 072710BLK32 Client Smp ID: 072710BLK32
Inj Date : 27-JUL-2010 09:03
Operator : Inst ID: vms03.i
Smp Info : 072710BLK32
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3072710N.B\8260NC.m
Meth Date : 30-Jul-2010 11:14 lpelo Quant Type: ISTD
Cal Date : 19-JUL-2010 08:45 Cal File: 200PPT.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.104	6.104	(0.883)	538575	50.7657	50.8
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.503	6.505	(0.941)	122628	49.2719	49.3(Q)
* 42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1825618	50.0000	
$ 53 TOLUENE d8 (surr)	98	8.652	8.651	(1.252)	2016928	49.8493	49.8
* 63 CHLOROBENZENE d5 (IS)	117	10.123	10.121	(1.000)	1601715	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.309	11.308	(0.907)	717351	48.2616	48.3
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.467	12.466	(1.000)	882533	50.0000	
93 Hexachlorobutadiene	223	14.545	14.540	(1.167)	346	0.13156	0.13(aQ)
111 Isobutene	41	1.606	1.601	(0.232)	4690	13.2671	13.3

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: BLK32N.D
Lab Smp Id: 072710BLK32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3072710N.B\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: 072710BLK32
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1825618	14.17
63 CHLOROBENZENE d5	1329024	664512	2658048	1601715	20.52
86 1,4-DICHLOROBENZE	751249	375625	1502498	882533	17.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.01
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.02
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\BLK32N.D

Date : 27-JUL-2010 09:03

Client ID: 072710BLK32

Instrument: vms03.i

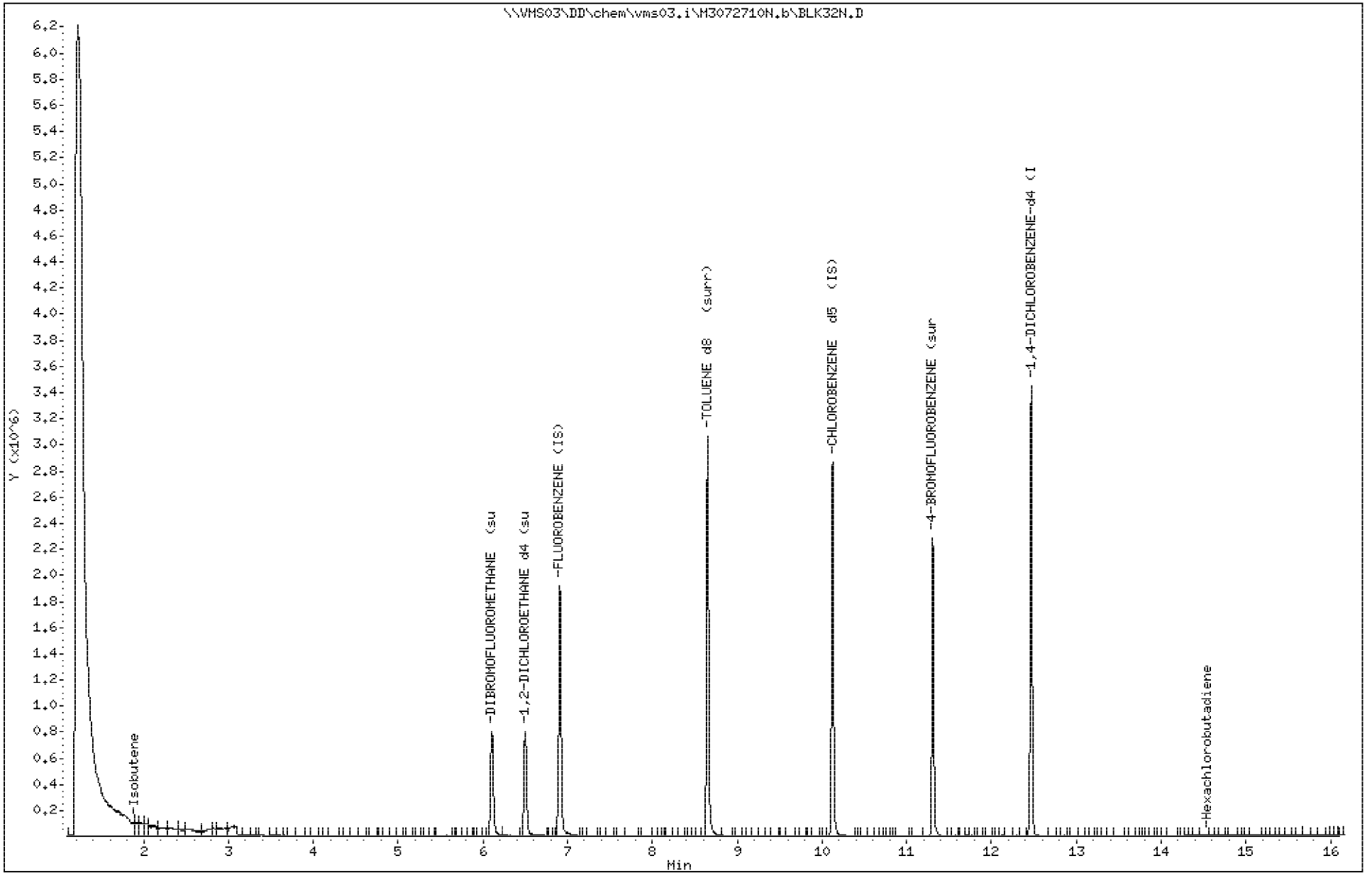
Sample Info: 072710BLK32

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\BLK32N.D

Date : 27-JUL-2010 09:03

Client ID: 072710BLK32

Instrument: vms03.i

Sample Info: 072710BLK32

Purge Volume: 5.0

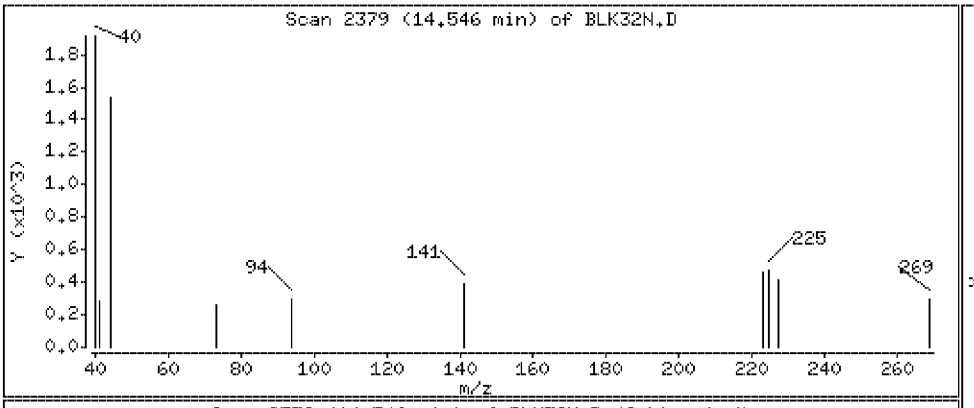
Operator:

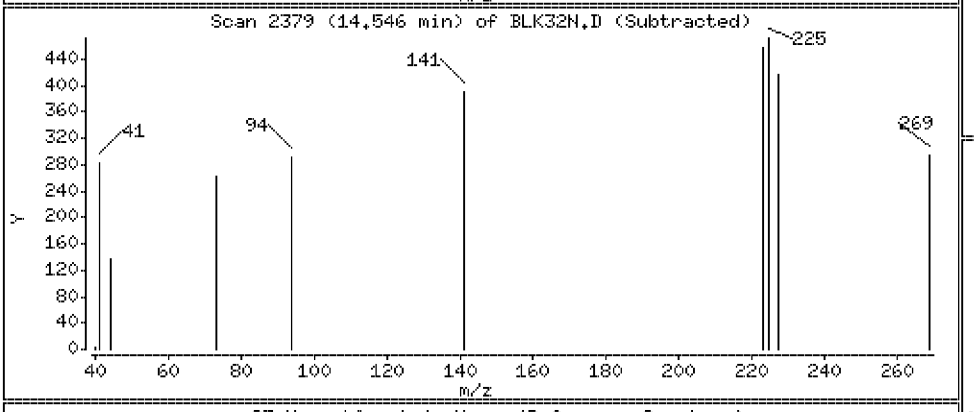
Column phase: RTX-502.2

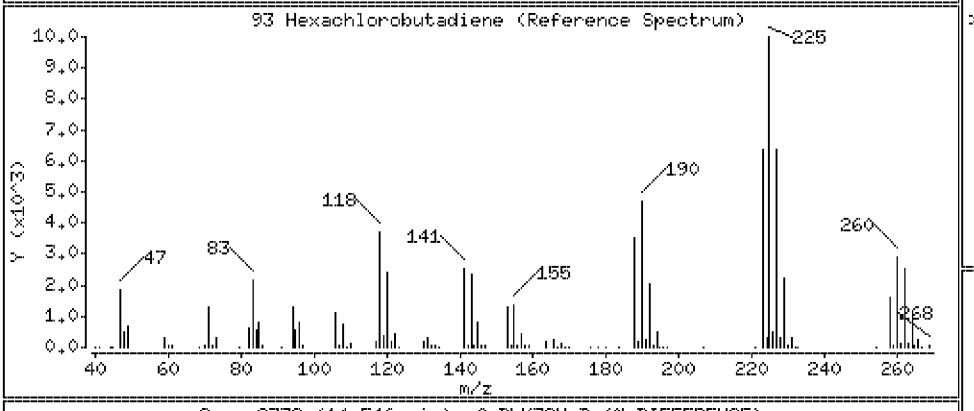
Column diameter: 0.18

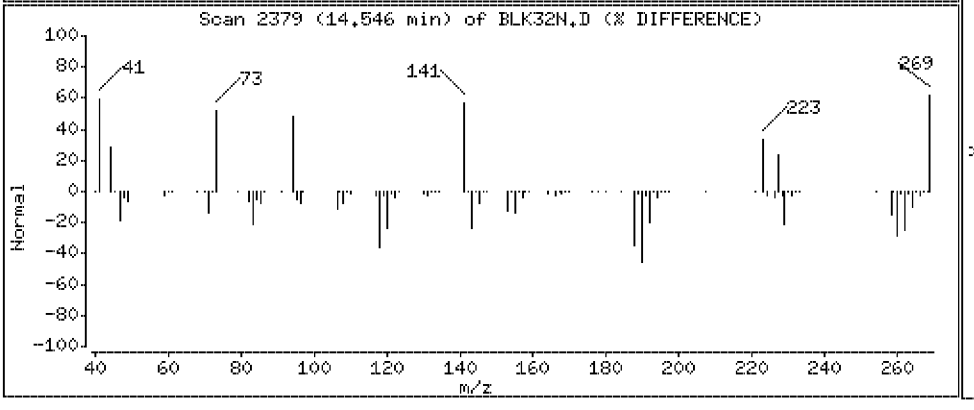
93 Hexachlorobutadiene

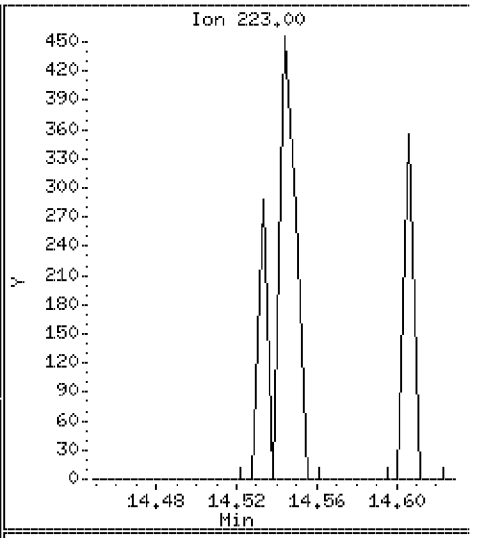
Concentration: 0.13 ug/l

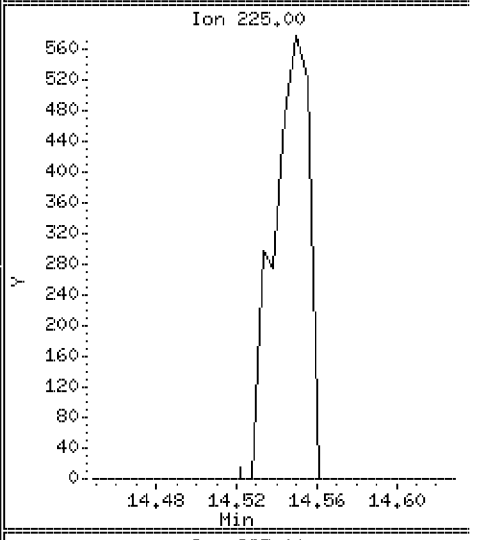


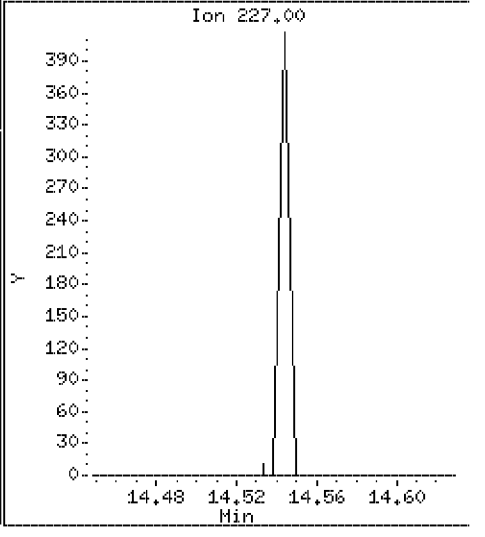












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\BLK32N.D

Date : 27-JUL-2010 09:03

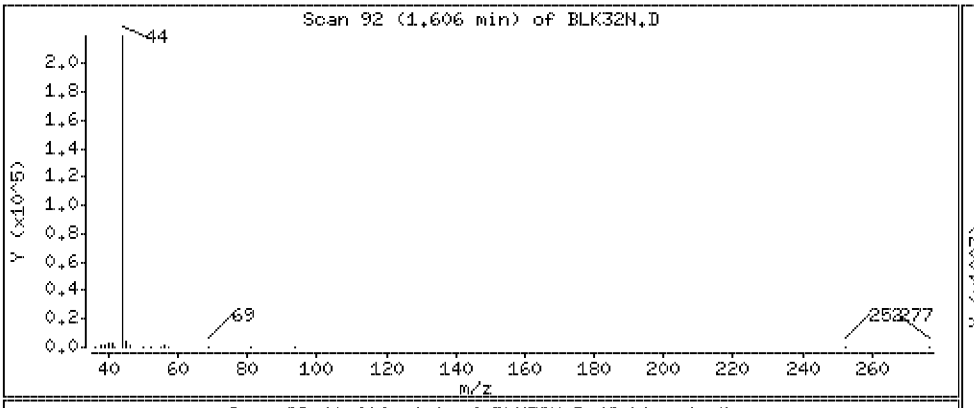
Client ID: 072710BLK32 Instrument: vms03.i

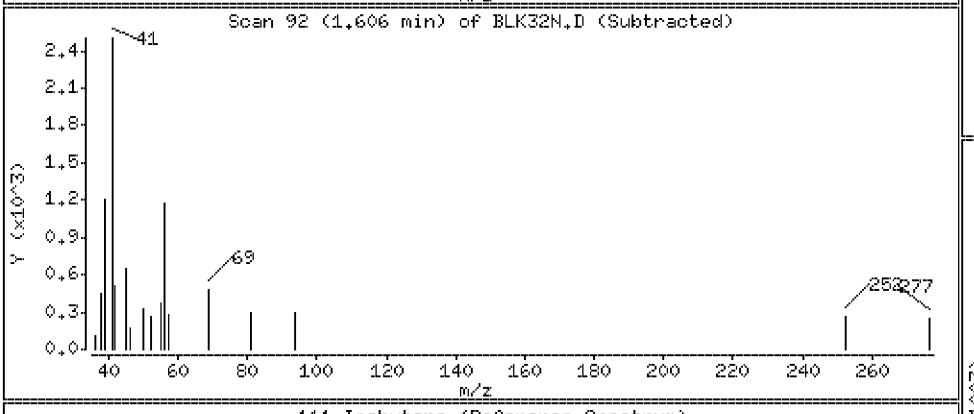
Sample Info: 072710BLK32

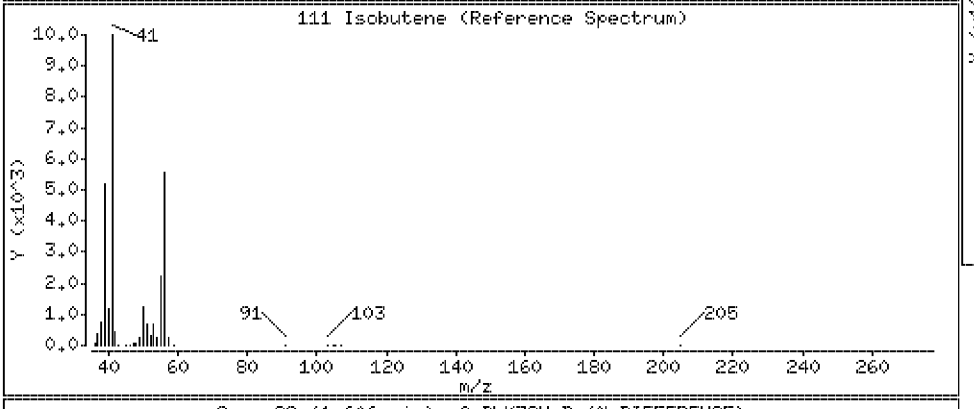
Purge Volume: 5.0 Operator:

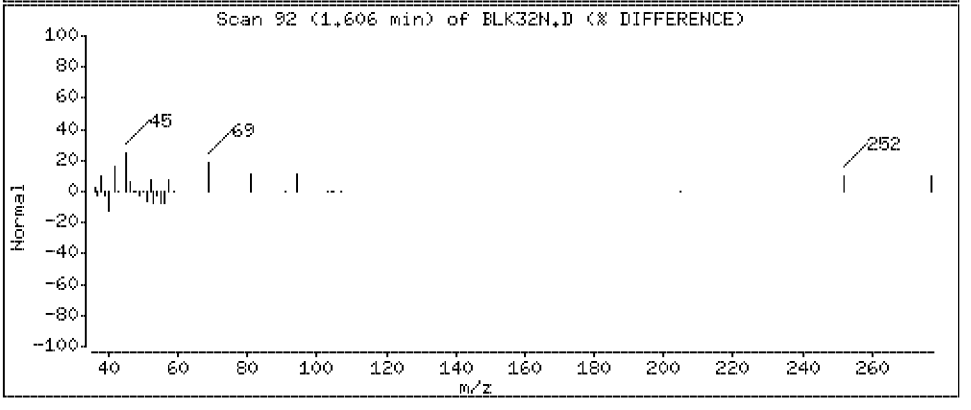
Column phase: RTX-502.2 Column diameter: 0.18

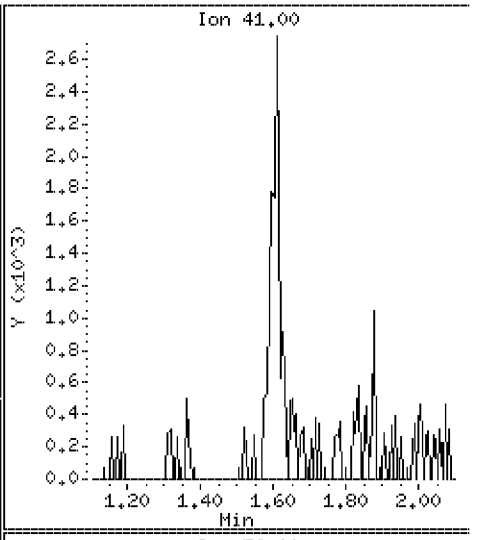
111 Isobutene Concentration: 13.3 ug/l

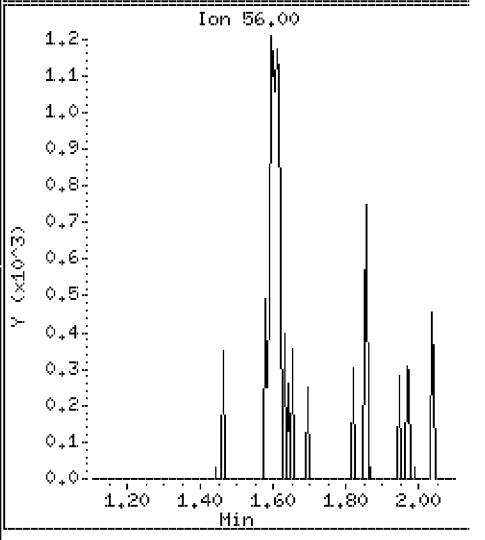












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\23701.D
Lab Smp Id: 350023701 Client Smp ID: ST106-FD-10625-2007
Inj Date : 27-JUL-2010 11:52
Operator : Inst ID: vms03.i
Smp Info : 350023701;3500237;1;
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Meth Date : 30-Jul-2010 11:14 lpelo Quant Type: ISTD
Cal Date : 19-JUL-2010 08:45 Cal File: 200PPT.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.105	6.104	(0.883)	497826	52.2804	52.3
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.504	6.505	(0.941)	112187	50.2215	50.2(q)
* 42 FLUOROBENZENE (IS)	96	6.910	6.909	(1.000)	1638600	50.0000	
$ 53 TOLUENE d8 (surr)	98	8.652	8.651	(1.252)	1855846	51.1031	51.1
54 Toluene	92	8.720	8.718	(1.262)	1620124	75.6766	75.7
61 1,2-Dibromoethane	107	9.641	9.641	(0.952)	1293	0.15703	0.16(aq)
* 63 CHLOROBENZENE d5 (IS)	117	10.123	10.121	(1.000)	1459792	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.310	11.308	(0.907)	658788	47.9167	47.9
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.467	12.466	(1.000)	816319	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 23701.D
Lab Smp Id: 350023701
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: ST106-FD-10625-
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1638600	2.47
63 CHLOROBENZENE d5	1329024	664512	2658048	1459792	9.84
86 1,4-DICHLOROBENZE	751249	375625	1502498	816319	8.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.01
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.02
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23701.D

Date : 27-JUL-2010 11:52

Client ID: ST106-FD-10625-2007

Instrument: vms03.i

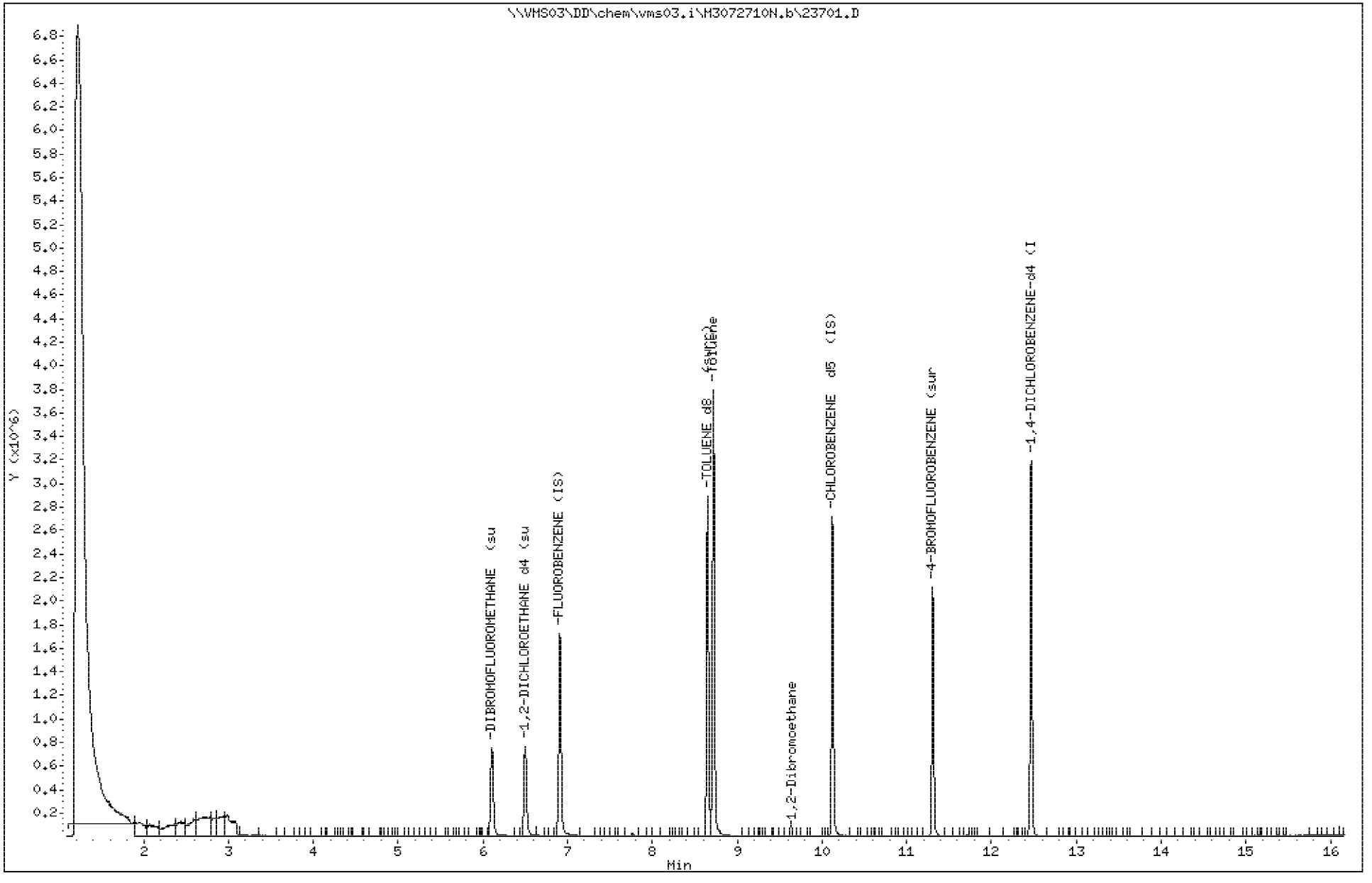
Sample Info: 350023701;3500237;1;

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23701.D

Date : 27-JUL-2010 11:52

Client ID: ST106-FD-10625-2007

Instrument: vms03.i

Sample Info: 350023701;3500237;1;

Purge Volume: 5.0

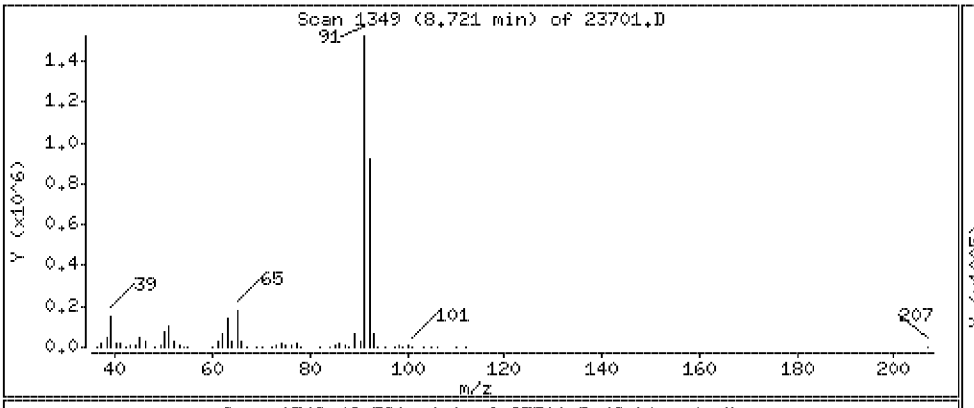
Operator:

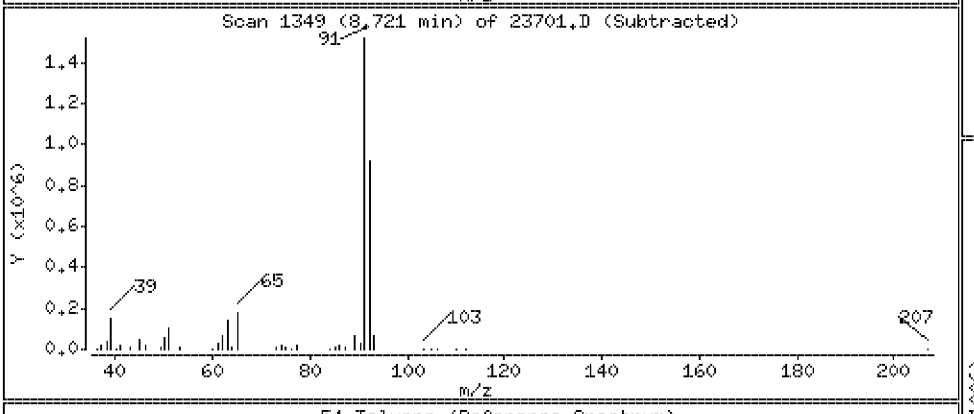
Column phase: RTX-502.2

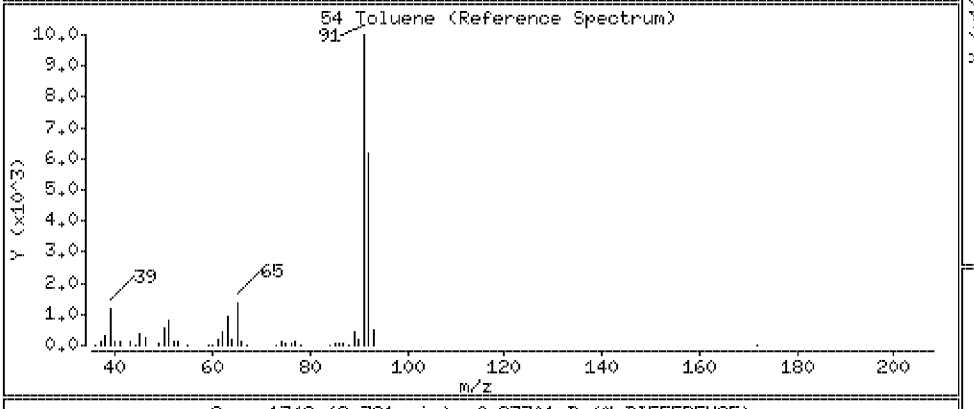
Column diameter: 0.18

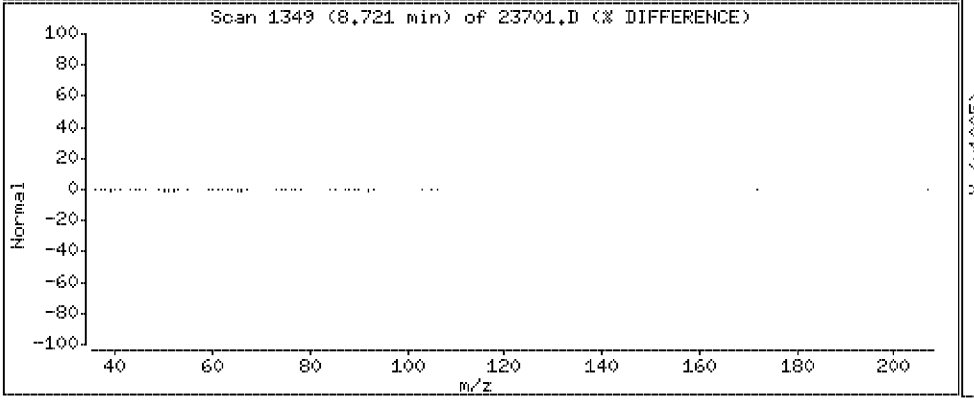
54 Toluene

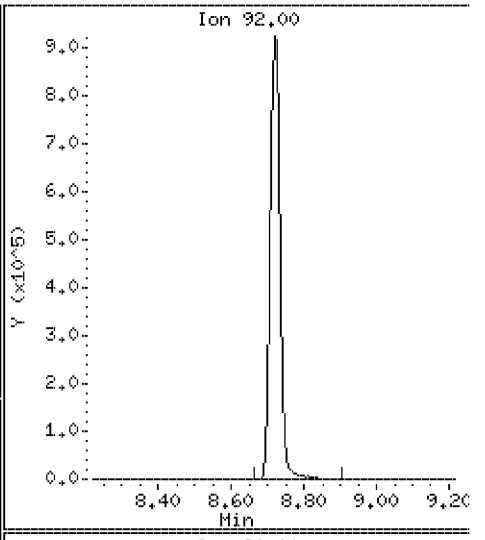
Concentration: 75.7 ug/l

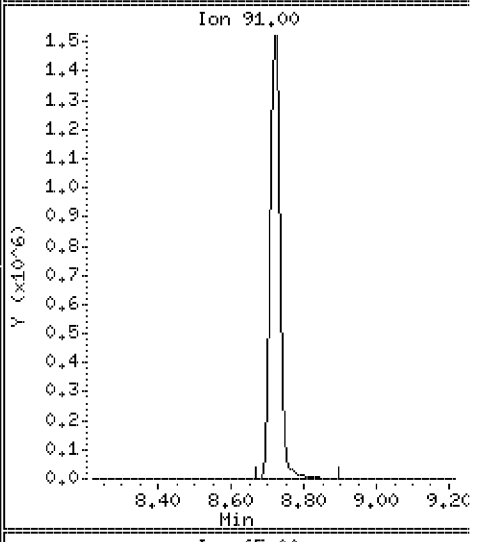


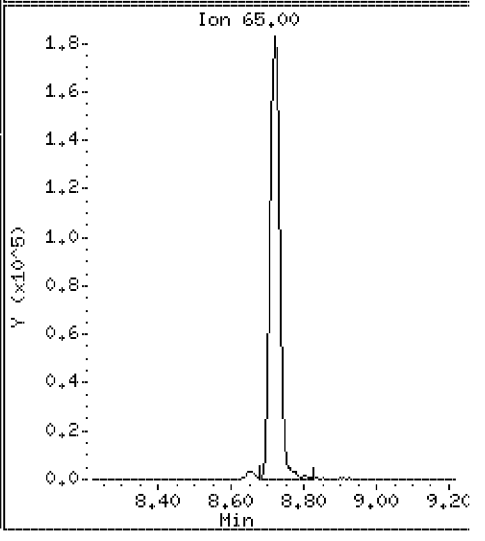












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23701.D

Date : 27-JUL-2010 11:52

Client ID: ST106-FD-10625-2007

Instrument: vms03.i

Sample Info: 350023701;3500237;1;

Purge Volume: 5.0

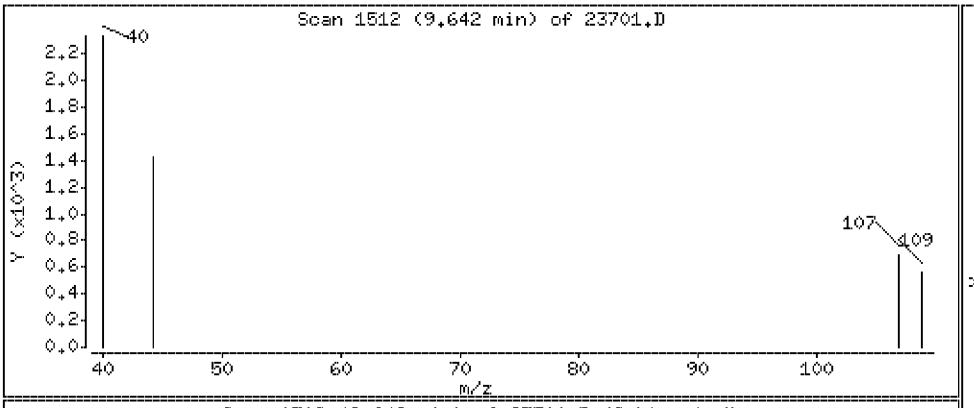
Operator:

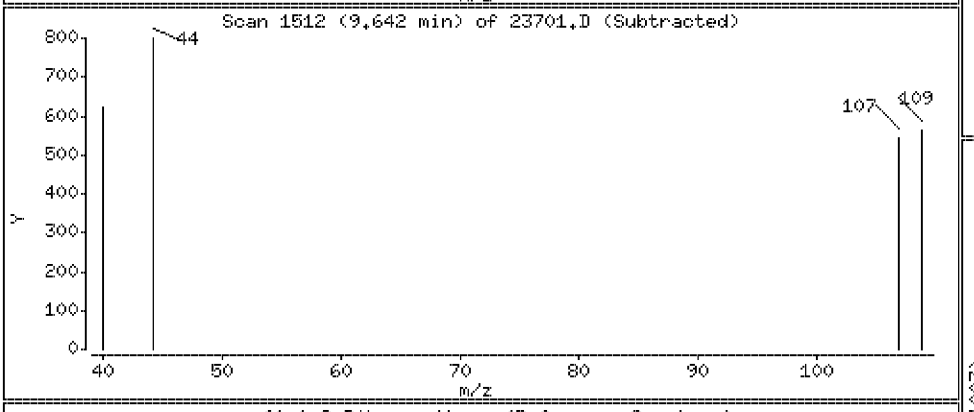
Column phase: RTX-502.2

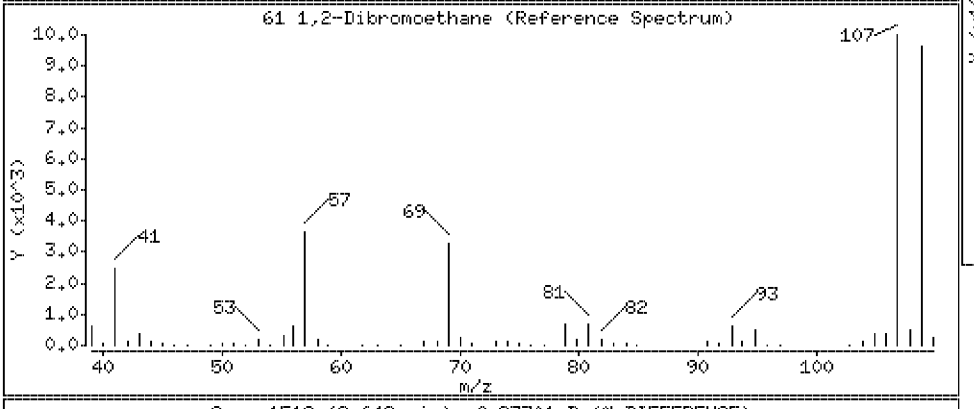
Column diameter: 0.18

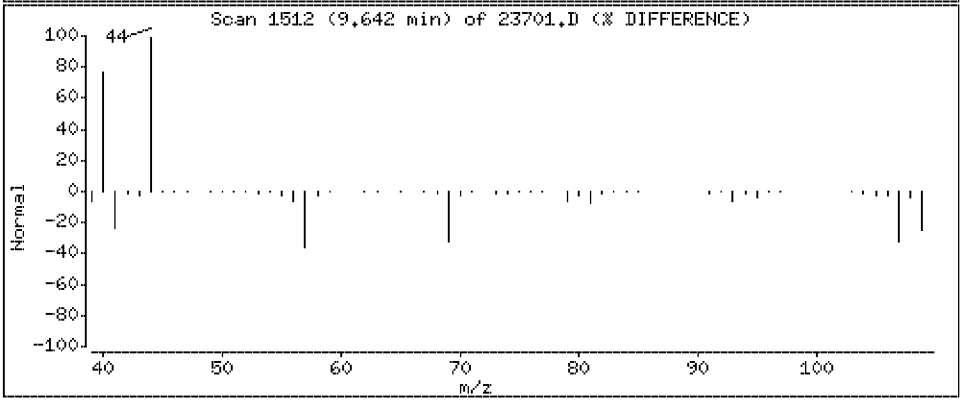
61 1,2-Dibromoethane

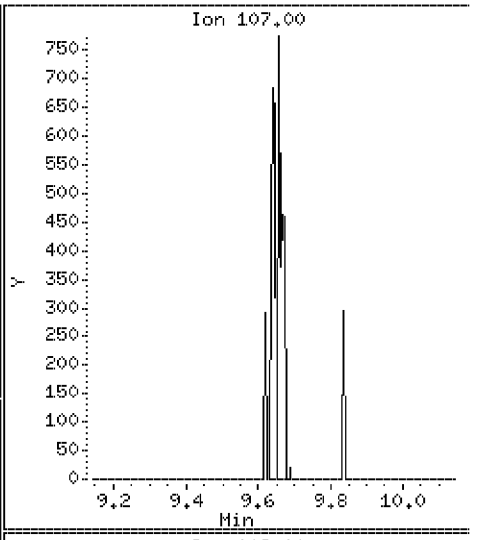
Concentration: 0.16 ug/l

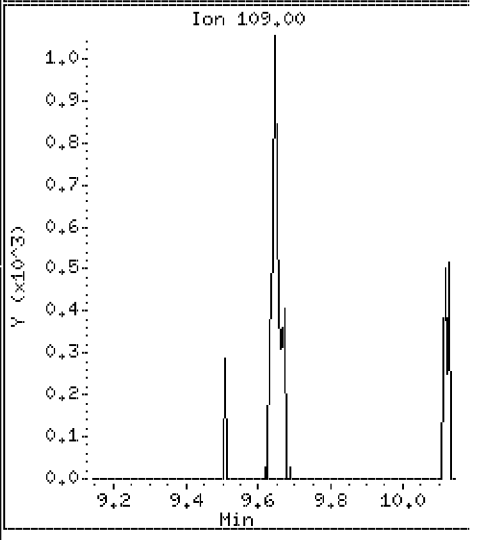












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\23702.D
Lab Smp Id: 350023702 Client Smp ID: ST106-GW-10625-2007
Inj Date : 27-JUL-2010 12:15
Operator : Inst ID: vms03.i
Smp Info : 350023702;3500237;1;
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Meth Date : 30-Jul-2010 11:14 lpelo Quant Type: ISTD
Cal Date : 19-JUL-2010 08:45 Cal File: 200PPT.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.105	6.104	(0.883)	490989	51.8065	51.8
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.503	6.505	(0.941)	118349	53.2308	53.2(Q)
* 42 FLUOROBENZENE (IS)	96	6.910	6.909	(1.000)	1630879	50.0000	
$ 53 TOLUENE d8 (surr)	98	8.652	8.651	(1.252)	1856040	51.3504	51.4
54 Toluene	92	8.721	8.718	(1.262)	1604730	75.3124	75.3
61 1,2-Dibromoethane	107	9.657	9.641	(0.954)	1491	0.18354	0.18(a)
* 63 CHLOROBENZENE d5 (IS)	117	10.124	10.121	(1.000)	1440194	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.310	11.308	(0.907)	658874	47.8308	47.8
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.467	12.466	(1.000)	817892	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 23702.D
Lab Smp Id: 350023702
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: ST106-GW-10625-
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1630879	1.99
63 CHLOROBENZENE d5	1329024	664512	2658048	1440194	8.36
86 1,4-DICHLOROBENZE	751249	375625	1502498	817892	8.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.02
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.02
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23702.D

Date : 27-JUL-2010 12:15

Client ID: ST106-GW-10625-2007

Instrument: vms03.i

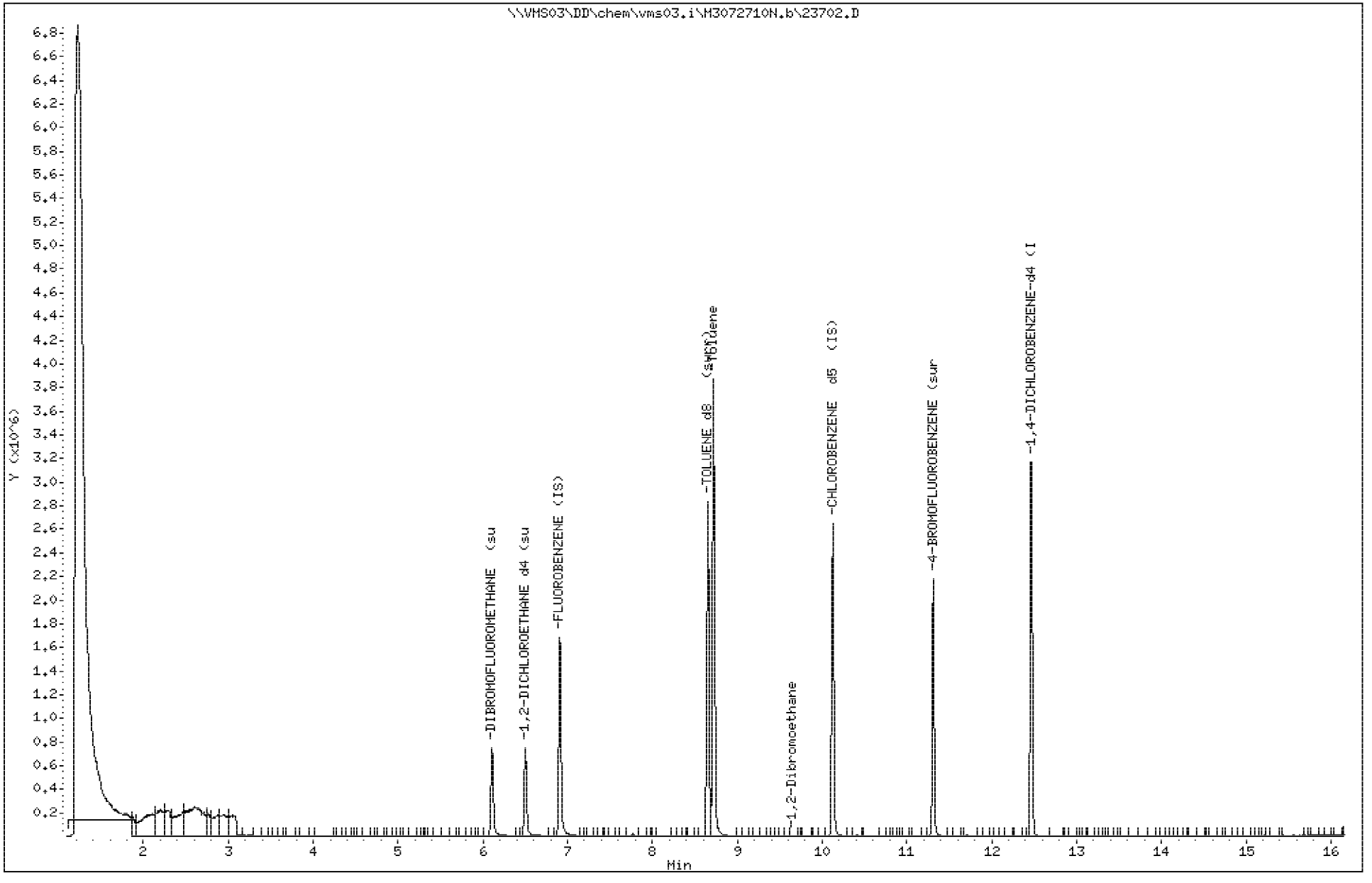
Sample Info: 350023702;3500237;1;

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23702.D

Date : 27-JUL-2010 12:15

Client ID: ST106-GW-10625-2007

Instrument: vms03.i

Sample Info: 350023702;3500237;1;

Purge Volume: 5.0

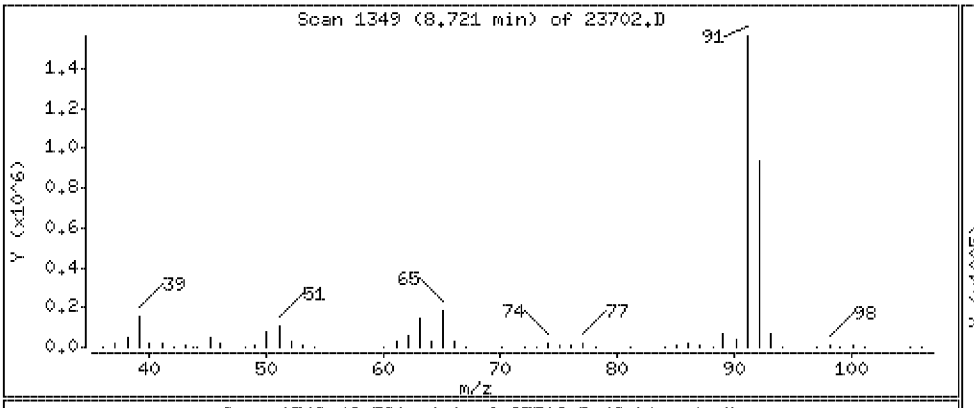
Operator:

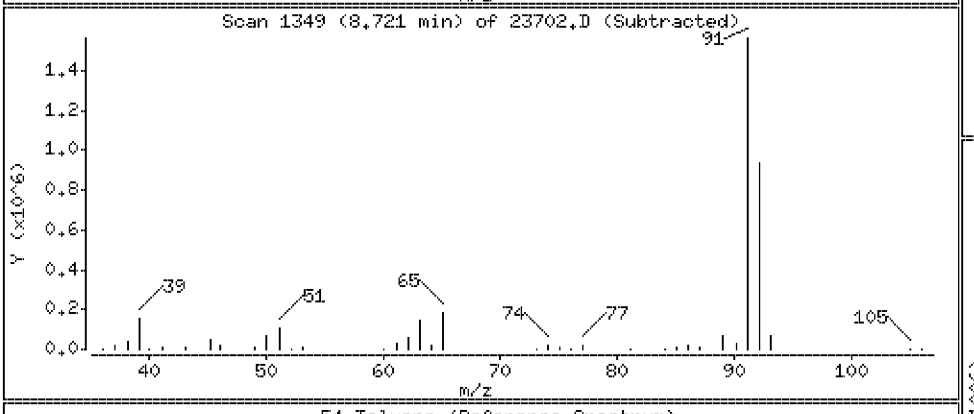
Column phase: RTX-502.2

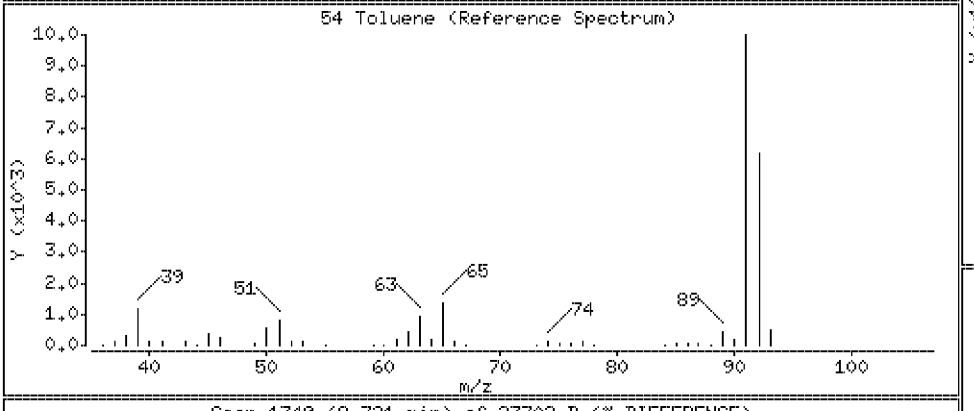
Column diameter: 0.18

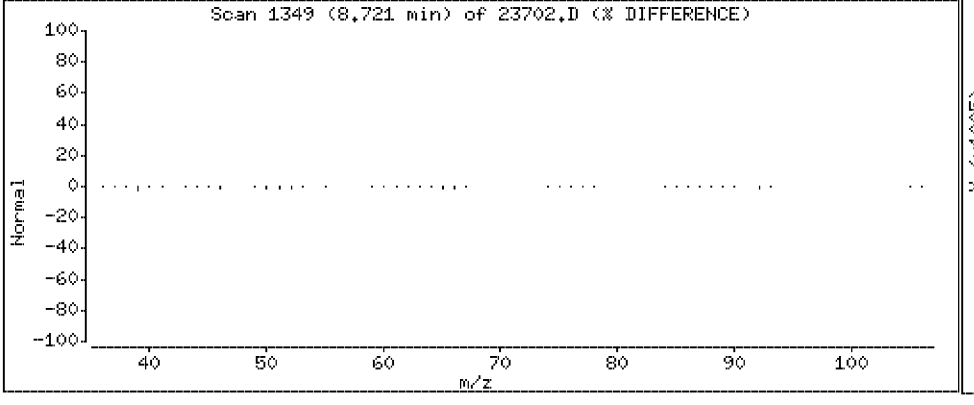
54 Toluene

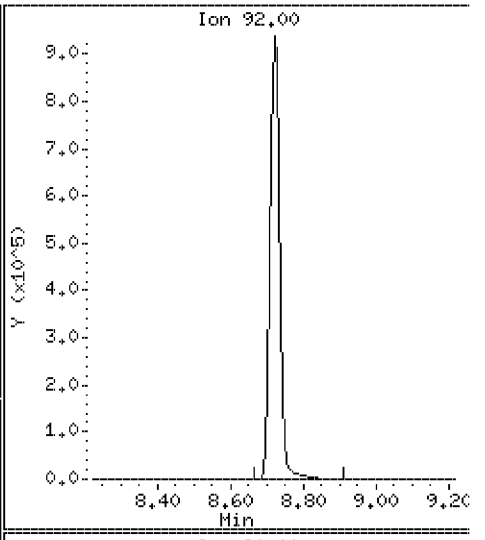
Concentration: 75.3 ug/l

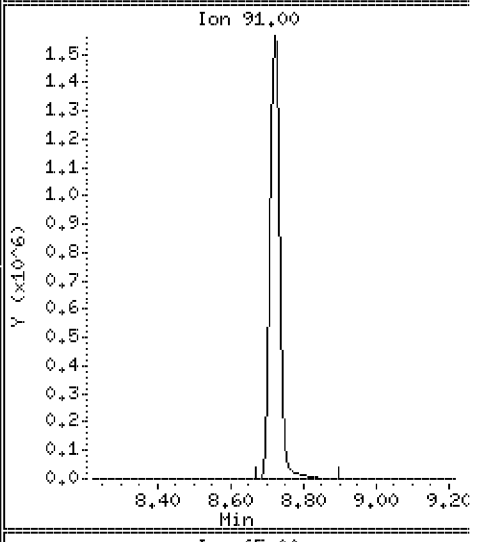


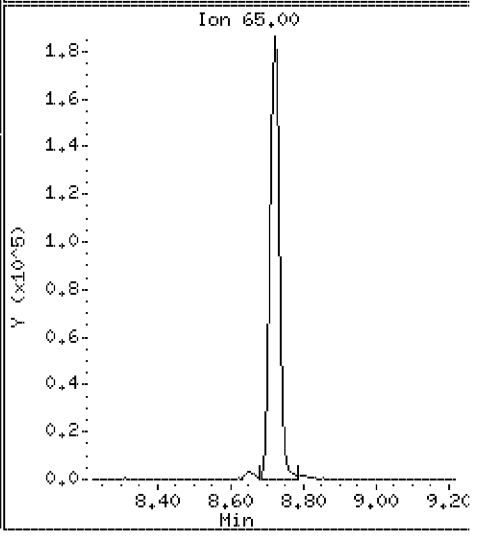












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23702.D

Date : 27-JUL-2010 12:15

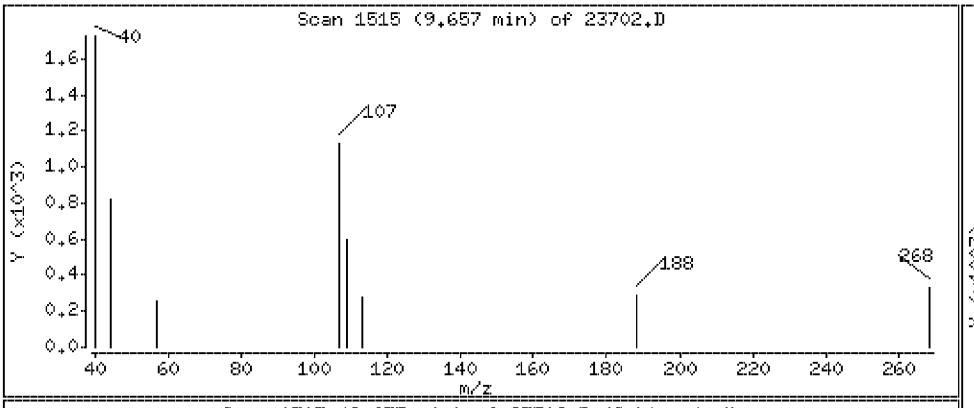
Client ID: ST106-GW-10625-2007 Instrument: vms03.i

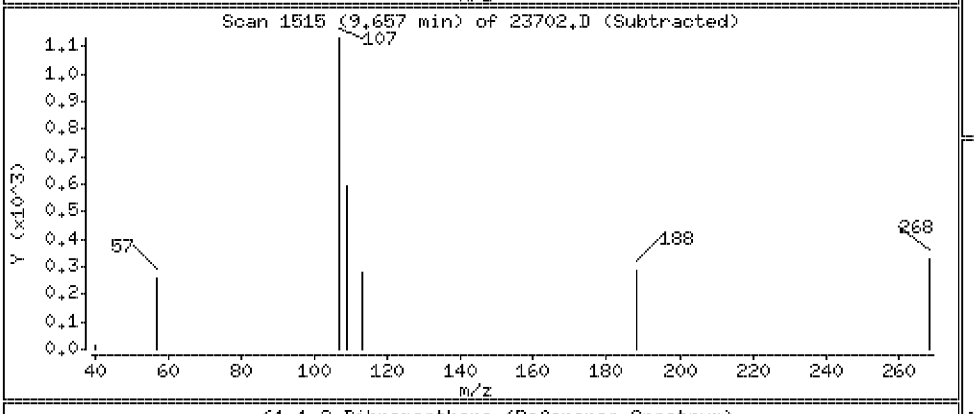
Sample Info: 350023702;3500237;1;

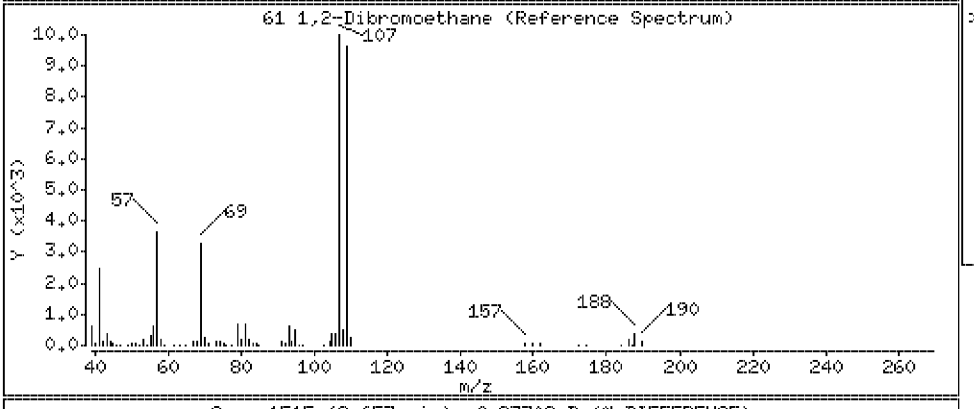
Purge Volume: 5.0 Operator:

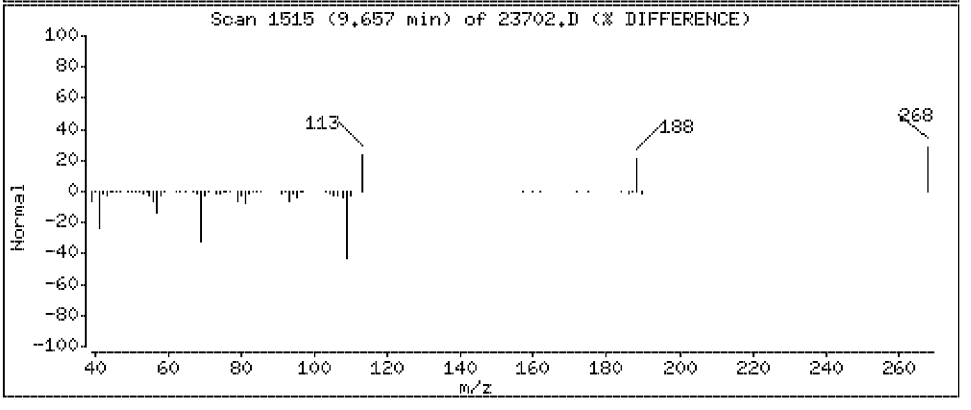
Column phase: RTX-502.2 Column diameter: 0.18

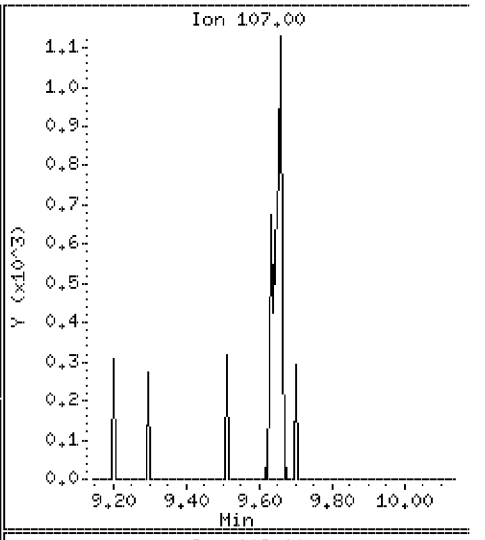
61 1,2-Dibromoethane Concentration: 0.18 ug/l

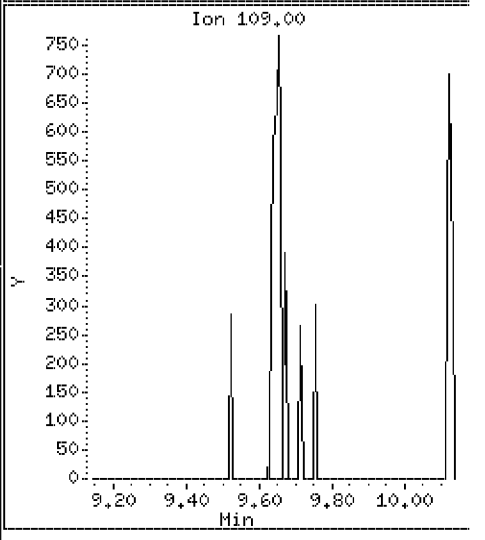












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\23705.D
Lab Smp Id: 350023705 Client Smp ID: ST106-GW-10626-2007
Inj Date : 27-JUL-2010 12:38
Operator : Inst ID: vms03.i
Smp Info : 350023705;3500237;1;
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Meth Date : 30-Jul-2010 11:14 lpelo Quant Type: ISTD
Cal Date : 19-JUL-2010 08:45 Cal File: 200PPT.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.105	6.104	(0.883)	495109	51.8781	51.9
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.505	6.505	(0.941)	117275	52.3811	52.4(Q)
* 42 FLUOROBENZENE (IS)	96	6.910	6.909	(1.000)	1642293	50.0000	
$ 53 TOLUENE d8 (surr)	98	8.652	8.651	(1.252)	1885445	51.8014	51.8
54 Toluene	92	8.720	8.718	(1.262)	370053	17.2464	17.2
* 63 CHLOROBENZENE d5 (IS)	117	10.123	10.121	(1.000)	1472543	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.309	11.308	(0.907)	671112	48.1298	48.1
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.467	12.466	(1.000)	827907	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 23705.D
Lab Smp Id: 350023705
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: ST106-GW-10626-
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1642293	2.70
63 CHLOROBENZENE d5	1329024	664512	2658048	1472543	10.80
86 1,4-DICHLOROBENZE	751249	375625	1502498	827907	10.20

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.02
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.02
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23705.D

Date : 27-JUL-2010 12:38

Client ID: ST106-GW-10626-2007

Instrument: vms03.i

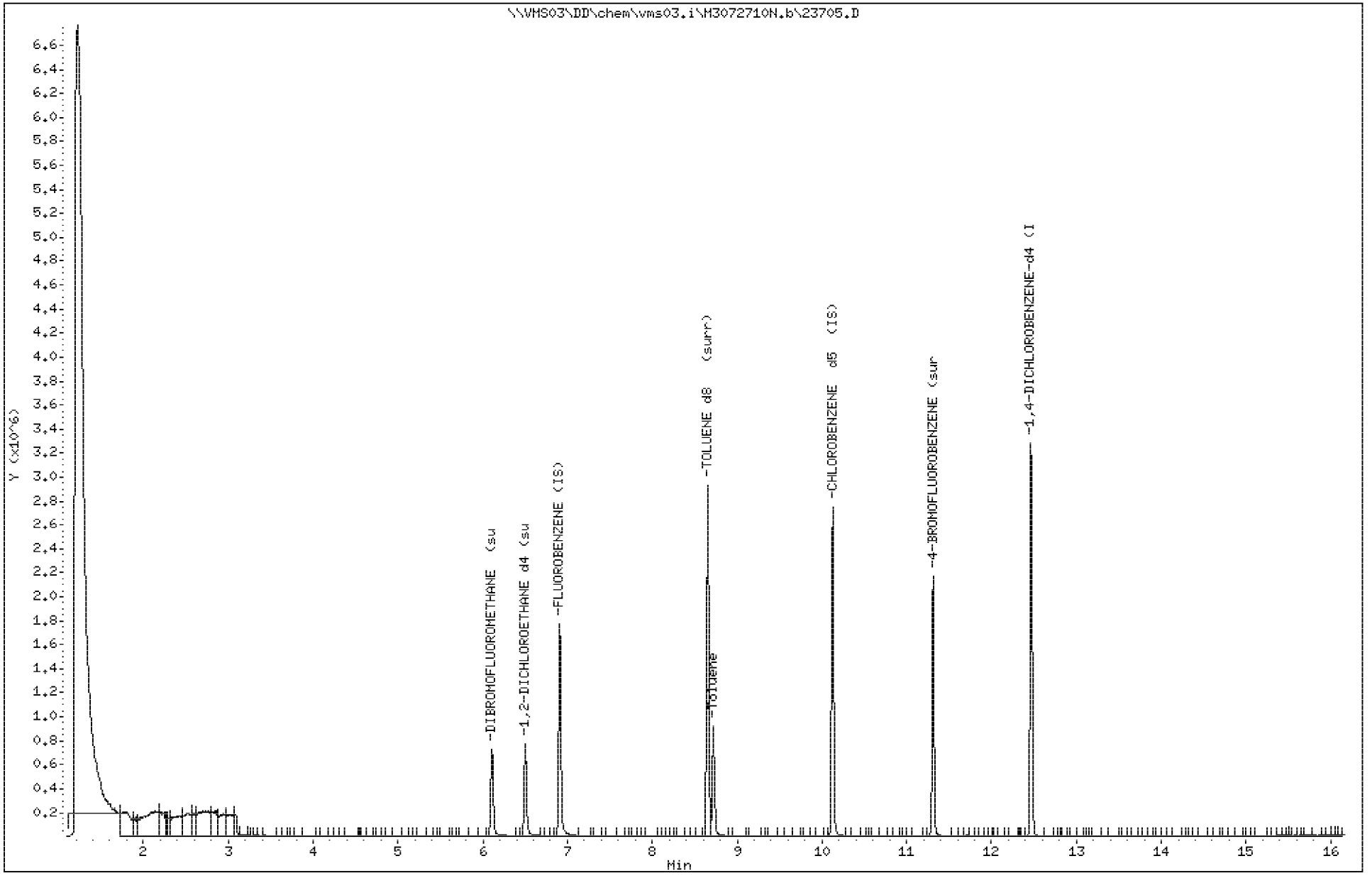
Sample Info: 350023705;3500237;1;

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23705.D

Date : 27-JUL-2010 12:38

Client ID: ST106-GW-10626-2007

Instrument: vms03.i

Sample Info: 350023705;3500237;1;

Purge Volume: 5.0

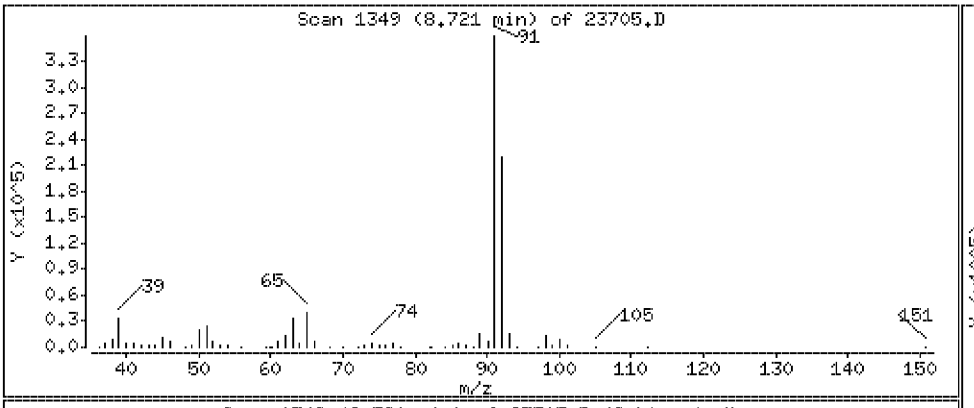
Operator:

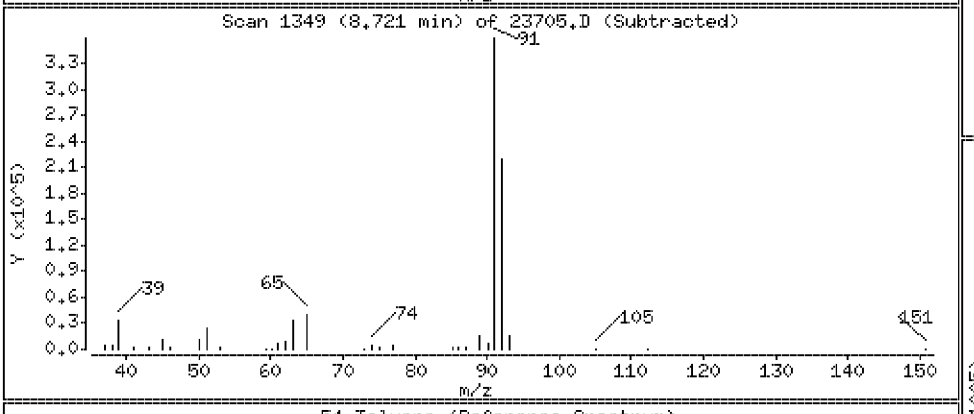
Column phase: RTX-502.2

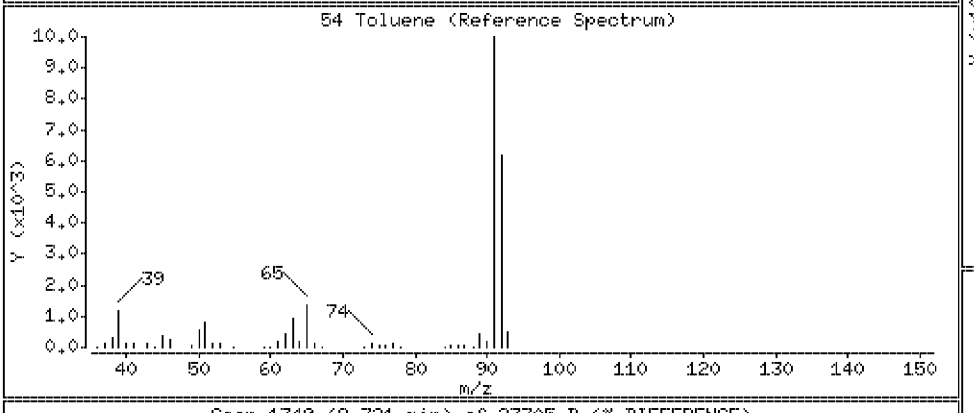
Column diameter: 0.18

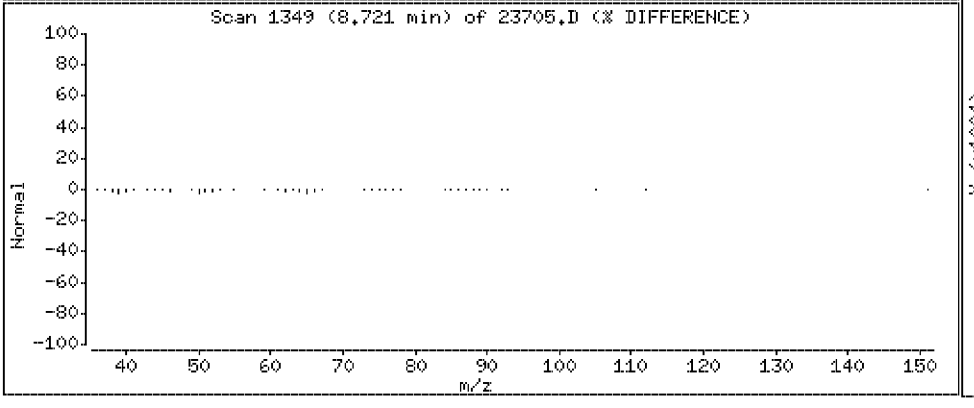
54 Toluene

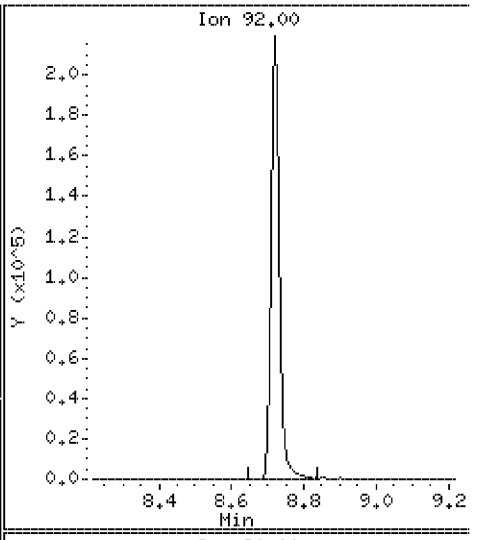
Concentration: 17.2 ug/l

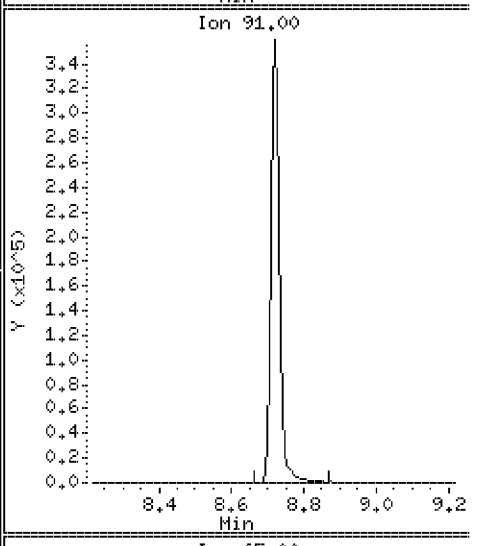


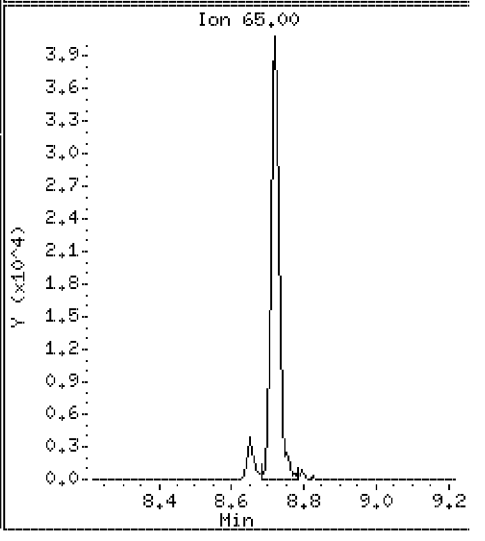












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\23706.D
Lab Smp Id: 350023706 Client Smp ID: ST106-TB-13-2007201
Inj Date : 27-JUL-2010 13:00
Operator : Inst ID: vms03.i
Smp Info : 350023706;3500237;1;
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Meth Date : 30-Jul-2010 11:14 lpelo Quant Type: ISTD
Cal Date : 19-JUL-2010 08:45 Cal File: 200PPT.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
19 Methylene Chloride	49	3.584	3.586	(0.519)	20136	1.11609	1.1
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.105	6.104	(0.884)	504780	51.6458	51.6
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.504	6.505	(0.941)	118088	51.5020	51.5(Q)
* 42 FLUOROBENZENE (IS)	96	6.910	6.909	(1.000)	1681905	50.0000	
$ 53 TOLUENE d8 (surr)	98	8.652	8.651	(1.252)	1907244	51.1662	51.2
54 Toluene	92	8.721	8.718	(1.262)	3465	0.15768	0.16(a)
* 63 CHLOROBENZENE d5 (IS)	117	10.123	10.121	(1.000)	1513105	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.310	11.308	(0.907)	672869	46.1281	46.1
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.468	12.466	(1.000)	866095	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 23706.D
Lab Smp Id: 350023706
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: ST106-TB-13-200
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1681905	5.18
63 CHLOROBENZENE d5	1329024	664512	2658048	1513105	13.85
86 1,4-DICHLOROBENZE	751249	375625	1502498	866095	15.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.01
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.02
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23706.D

Date : 27-JUL-2010 13:00

Client ID: ST106-TB-13-2007201

Instrument: vms03.i

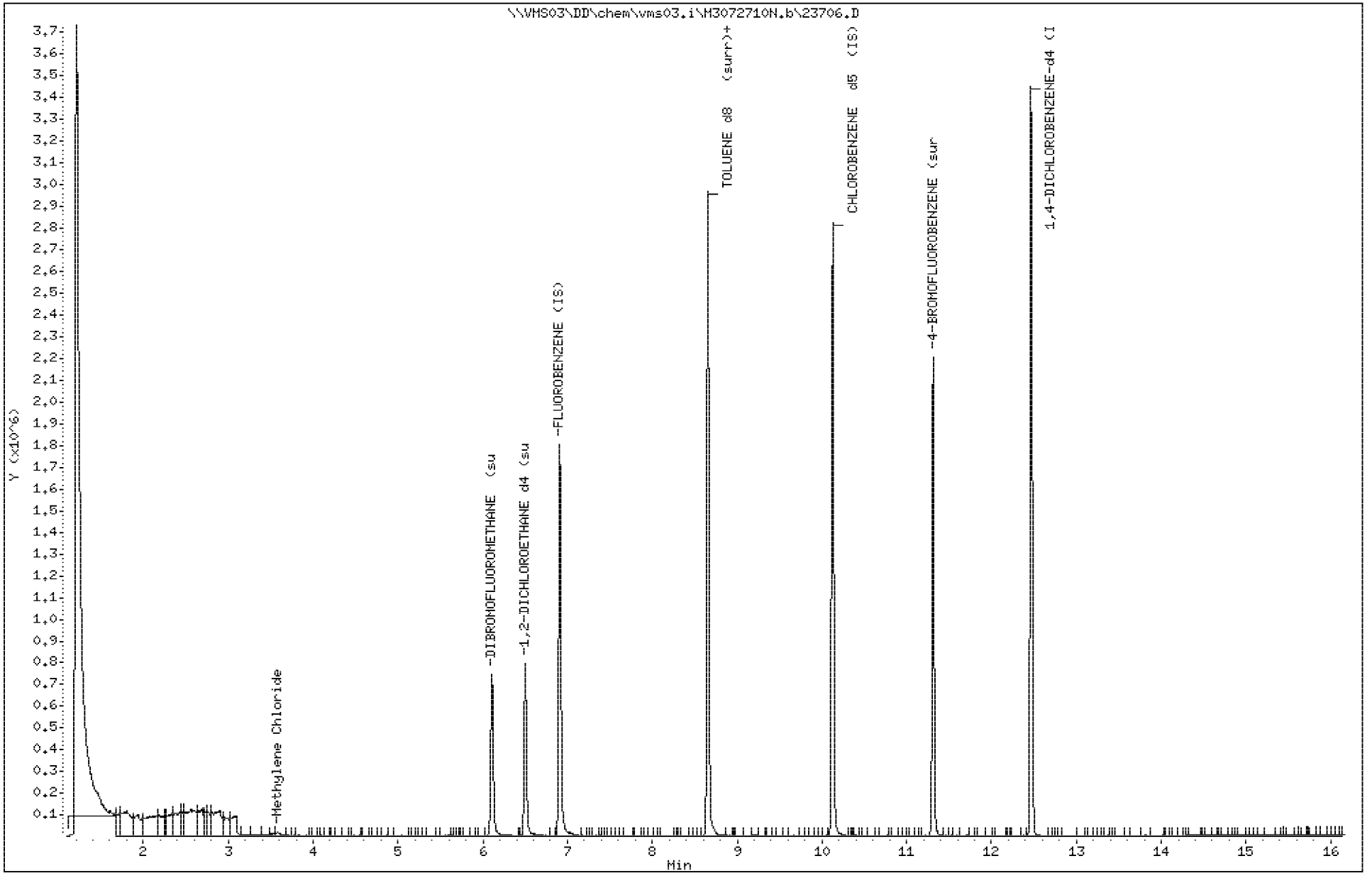
Sample Info: 350023706;3500237;1;

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23706.D

Date : 27-JUL-2010 13:00

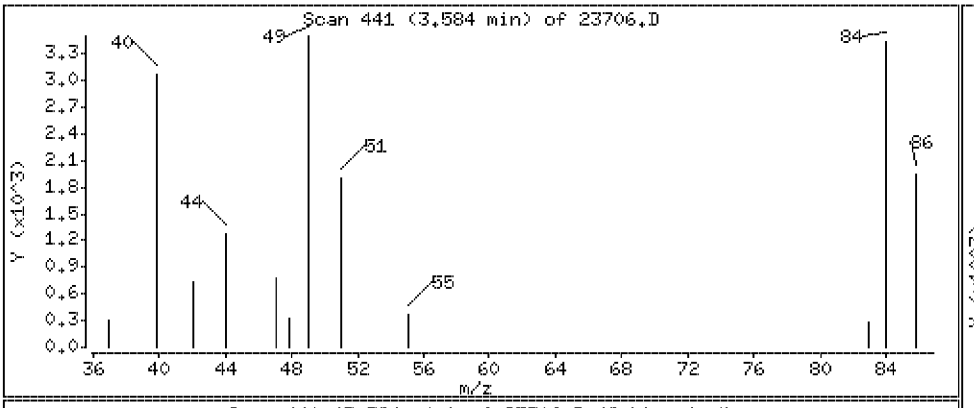
Client ID: ST106-TB-13-2007201 Instrument: vms03.i

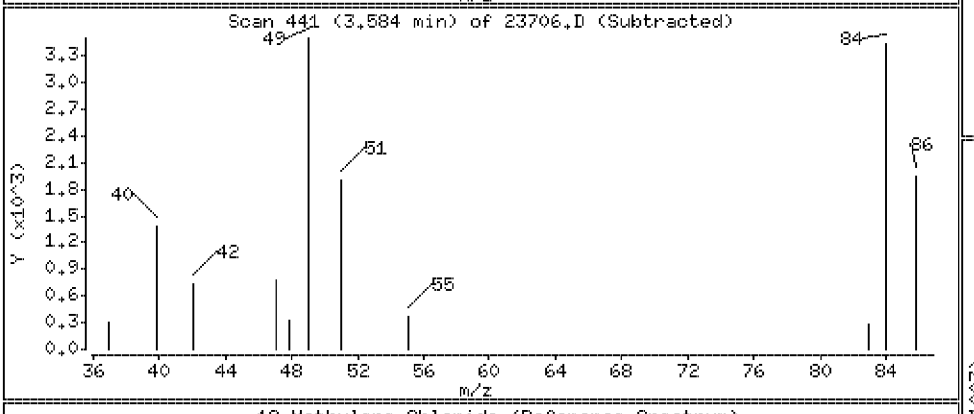
Sample Info: 350023706;3500237;1;

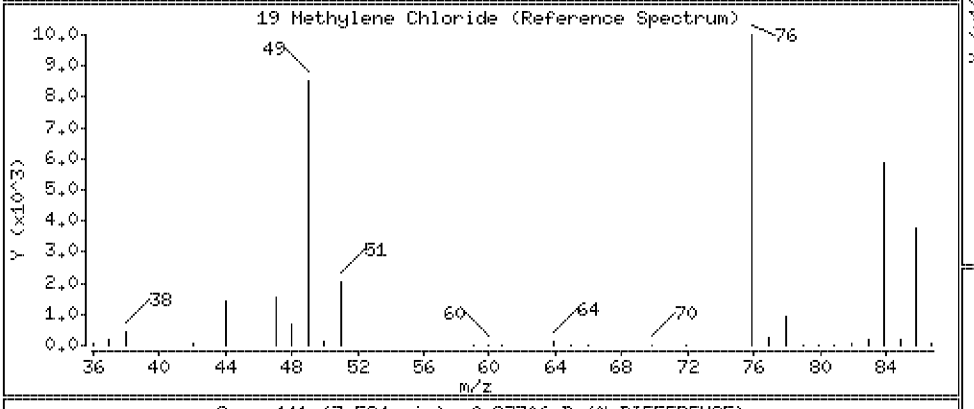
Purge Volume: 5.0 Operator:

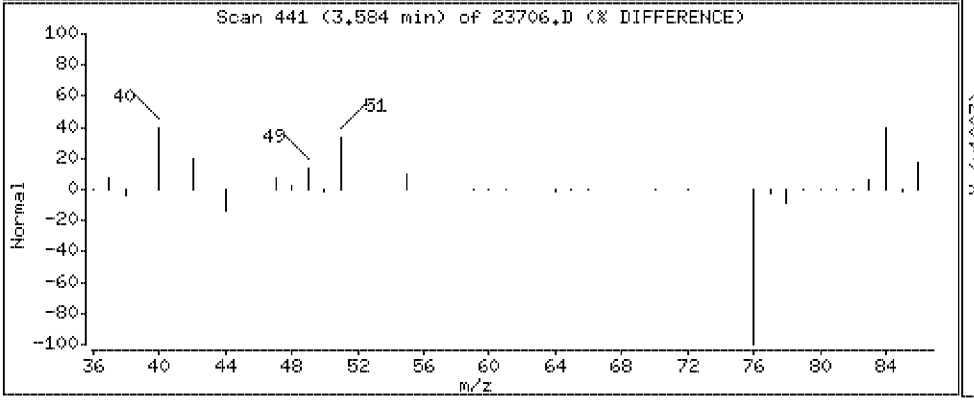
Column phase: RTX-502.2 Column diameter: 0.18

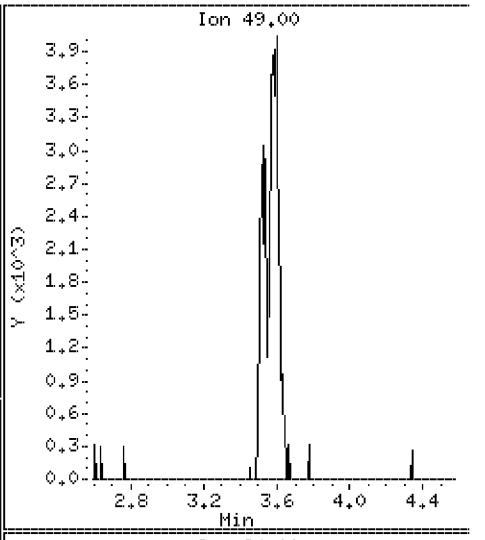
19 Methylene Chloride Concentration: 1.1 ug/l

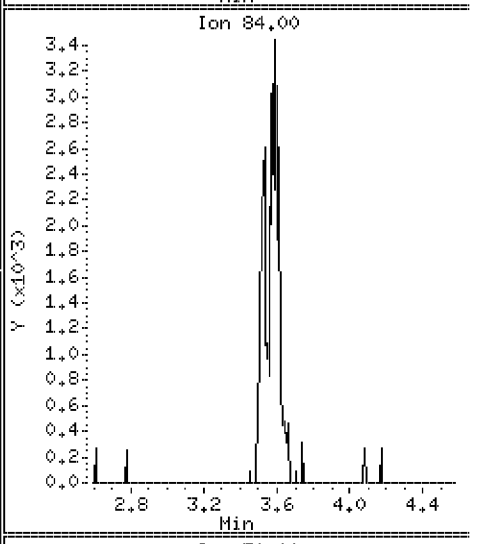


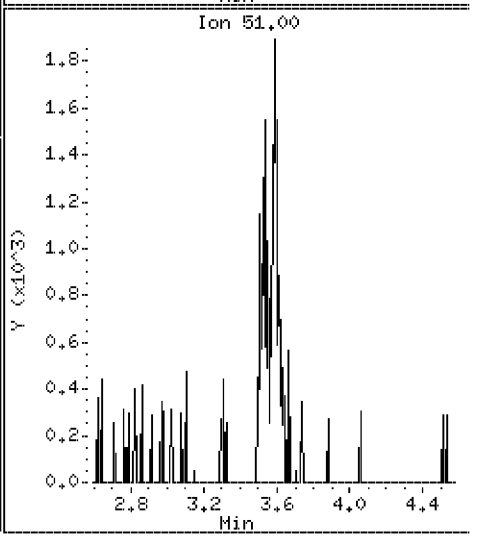












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23706.D

Date : 27-JUL-2010 13:00

Client ID: ST106-TB-13-2007201

Instrument: vms03.i

Sample Info: 350023706;3500237;1;

Purge Volume: 5.0

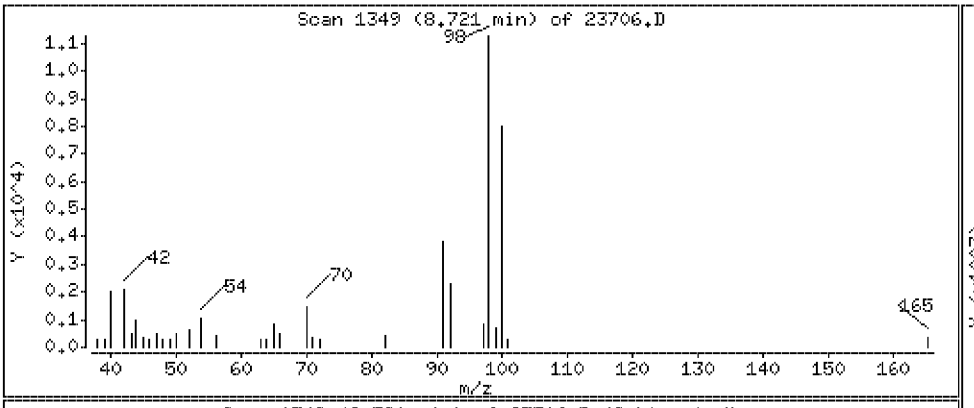
Operator:

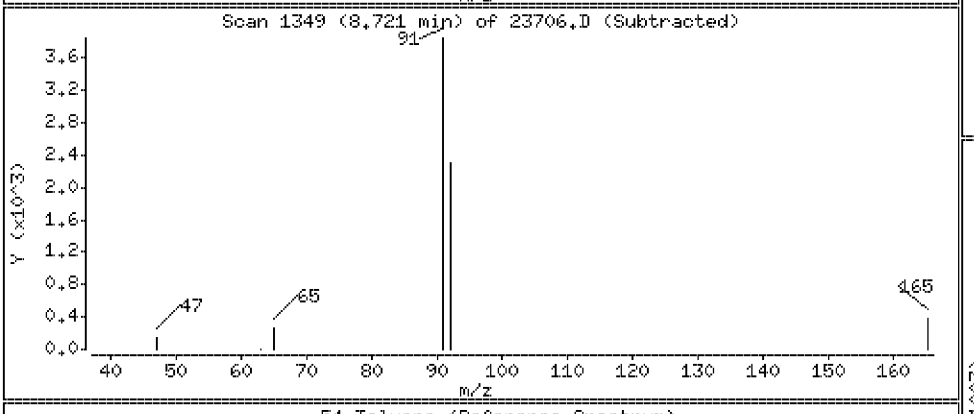
Column phase: RTX-502.2

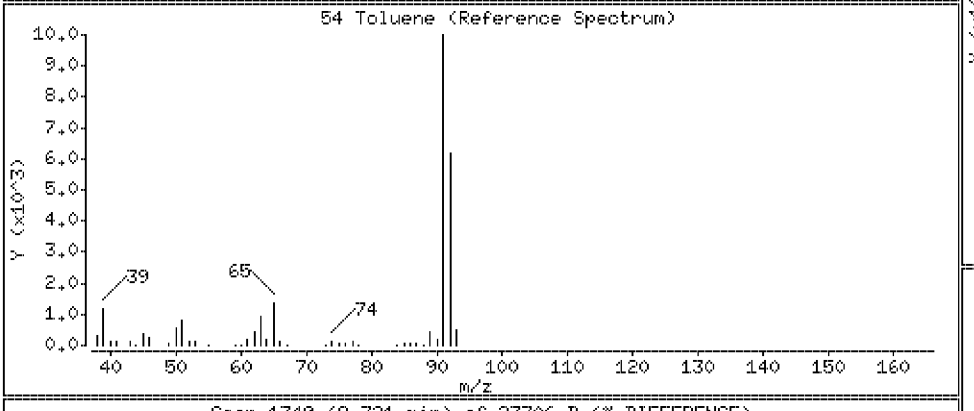
Column diameter: 0.18

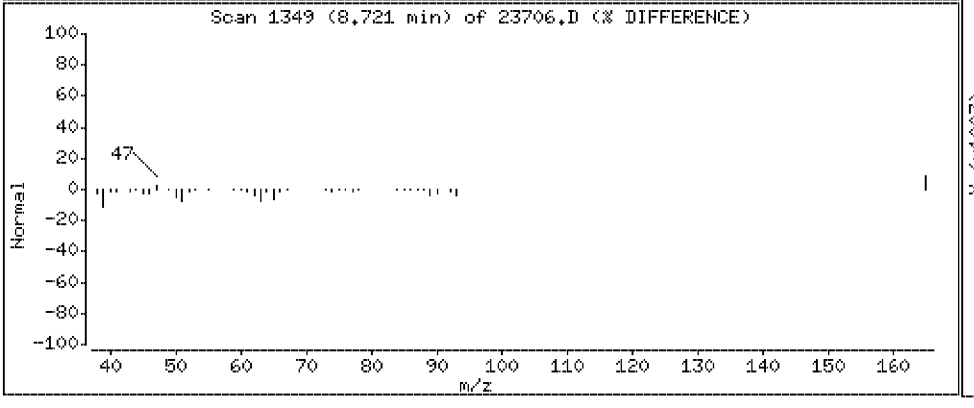
54 Toluene

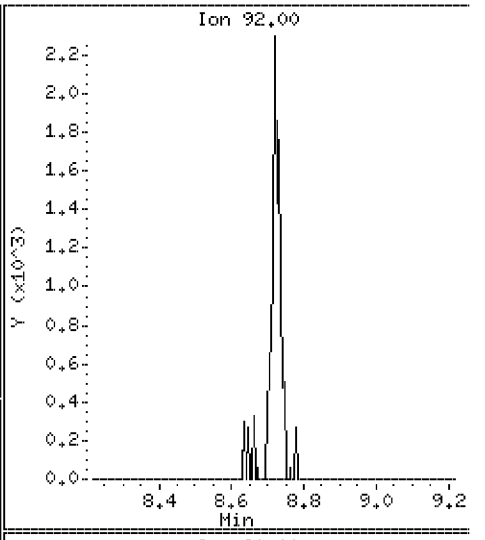
Concentration: 0.16 ug/l

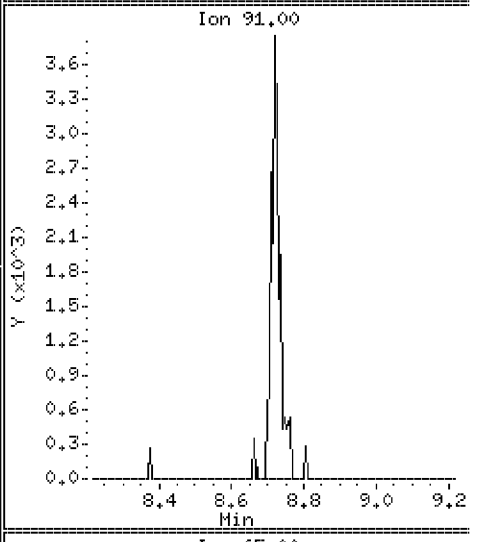


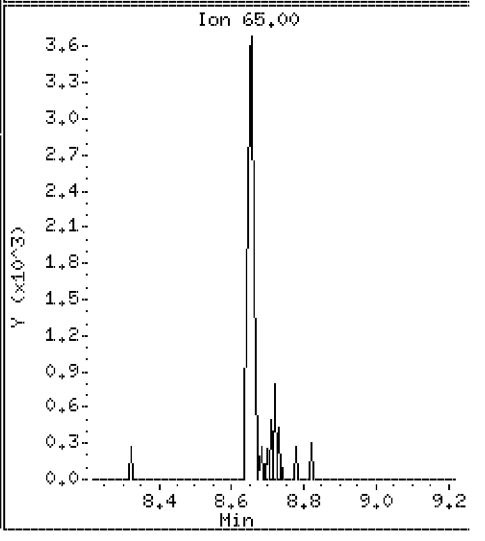












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\23702D.D
Lab Smp Id: 350023702 Client Smp ID: ST106-GW-10625-2007
Inj Date : 27-JUL-2010 13:23
Operator : Inst ID: vms03.i
Smp Info : 350023702;3500237;5;
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Meth Date : 30-Jul-2010 11:14 lpelo Quant Type: ISTD
Cal Date : 19-JUL-2010 08:45 Cal File: 200PPT.D
Als bottle: 17
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.105	6.104	(0.883)	494372	50.8293	50.8
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.504	6.505	(0.941)	114602	50.2271	50.2(q)
* 42 FLUOROBENZENE (IS)	96	6.910	6.909	(1.000)	1673684	50.0000	
$ 53 TOLUENE d8 (surr)	98	8.653	8.651	(1.252)	1866726	50.3252	50.3
54 Toluene	92	8.722	8.718	(1.262)	332868	15.2225	76.1
* 63 CHLOROBENZENE d5 (IS)	117	10.124	10.121	(1.000)	1482762	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.310	11.308	(0.907)	654331	45.9134	45.9
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.468	12.466	(1.000)	846172	50.0000	

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 23702D.D
Lab Smp Id: 350023702
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: ST106-GW-10625-
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1673684	4.67
63 CHLOROBENZENE d5	1329024	664512	2658048	1482762	11.57
86 1,4-DICHLOROBENZE	751249	375625	1502498	846172	12.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.02
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.02
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23702D.D

Date : 27-JUL-2010 13:23

Client ID: ST106-GW-10625-2007

Instrument: vms03.i

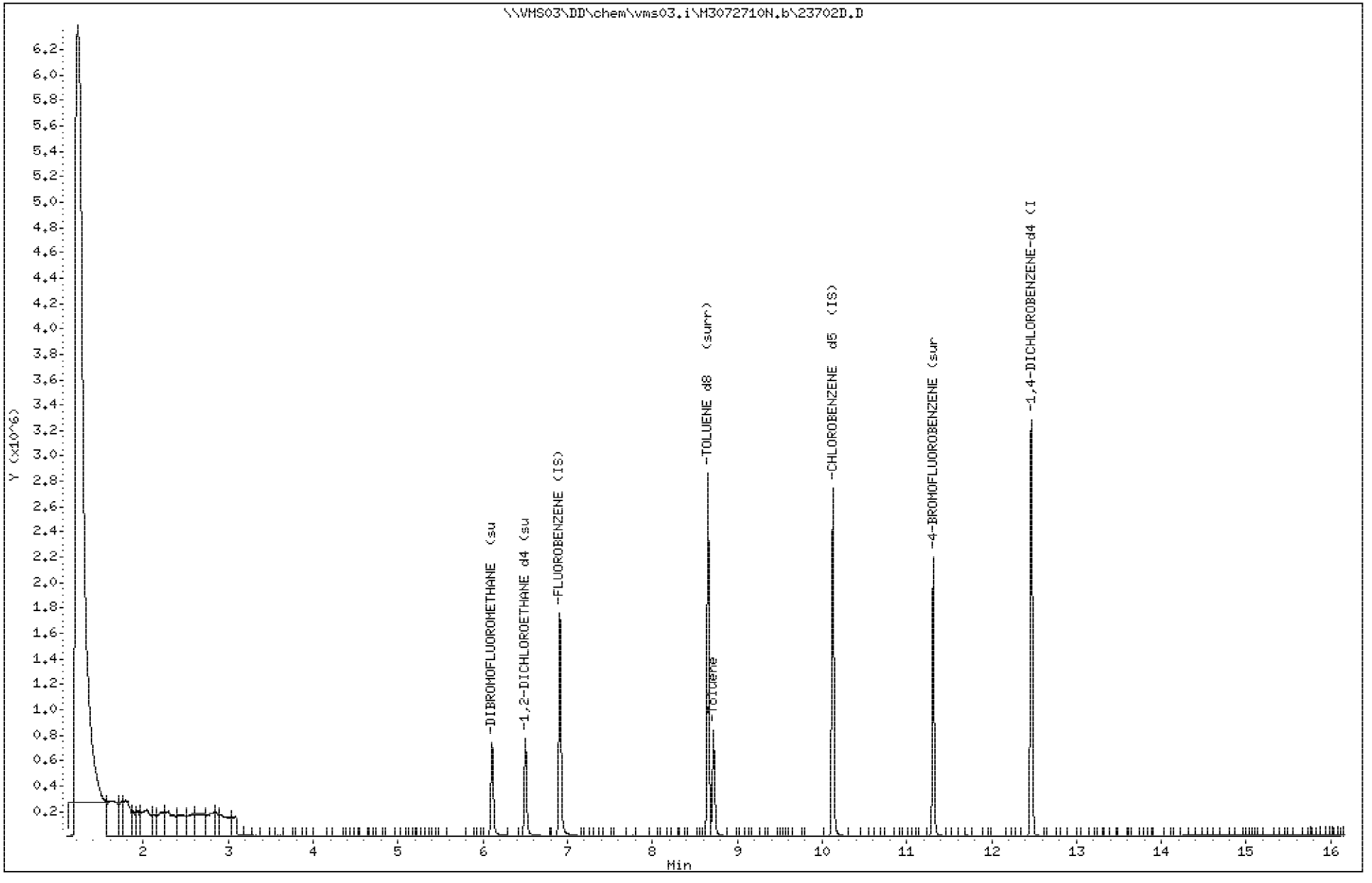
Sample Info: 350023702;3500237;5;

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23702D.D

Date : 27-JUL-2010 13:23

Client ID: ST106-GW-10625-2007

Instrument: vms03.i

Sample Info: 350023702;3500237;5;

Purge Volume: 5.0

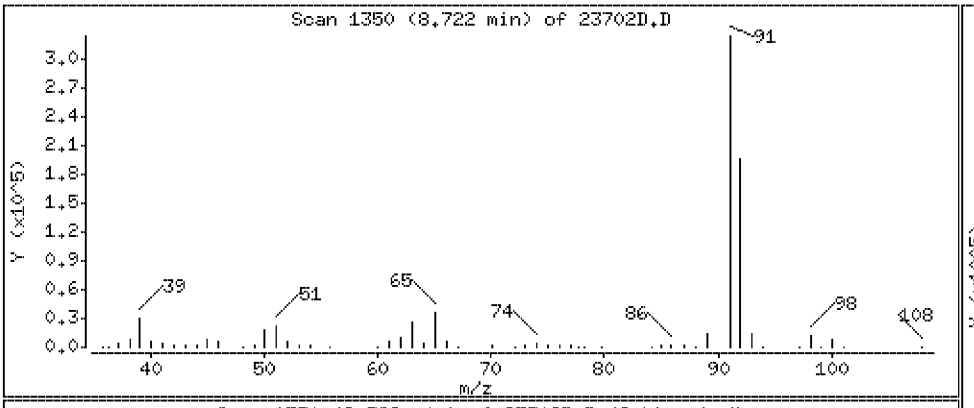
Operator:

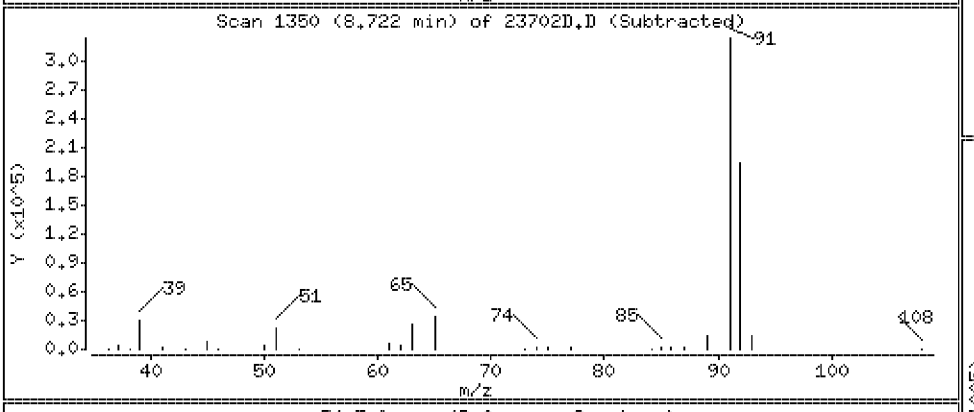
Column phase: RTX-502.2

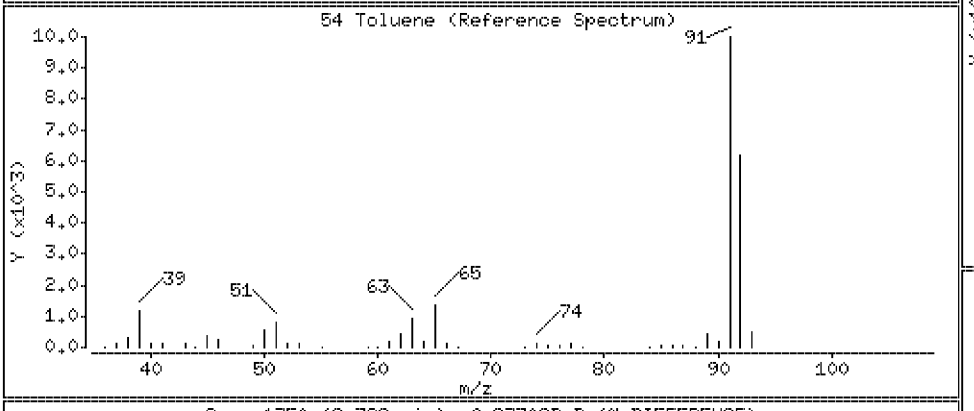
Column diameter: 0.18

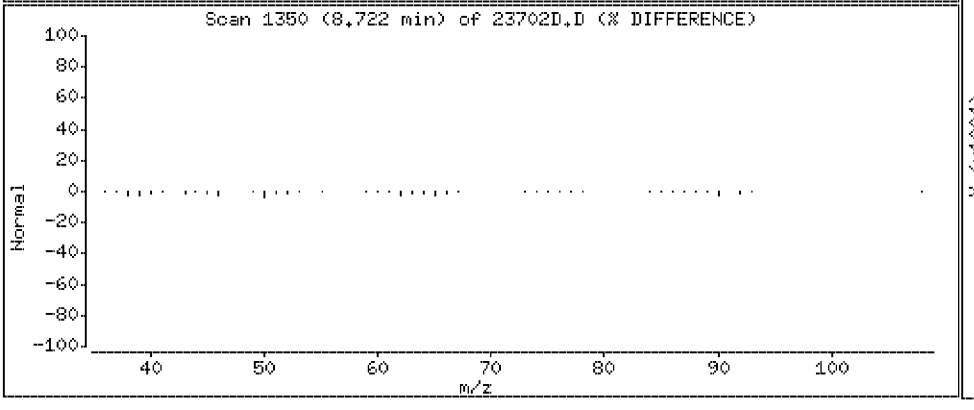
54 Toluene

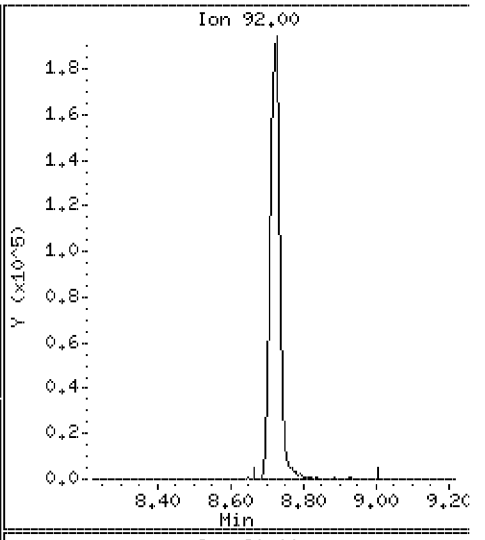
Concentration: 76.1 ug/l

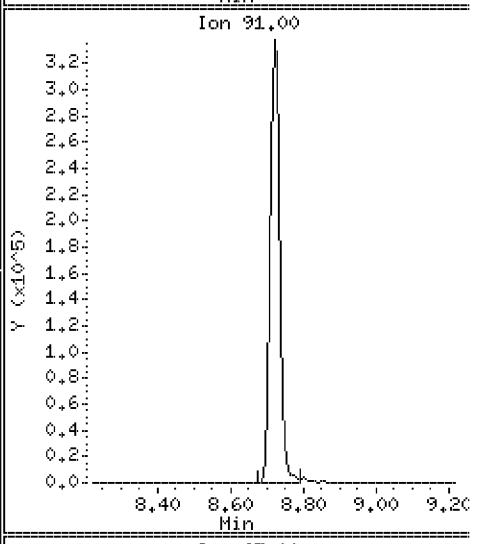


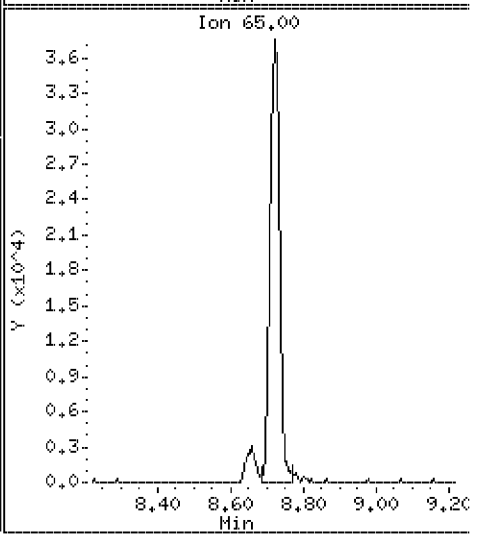












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D
Lab Smp Id: 350023703 Client Smp ID: ST106-MS-10625-2007
Inj Date : 27-JUL-2010 15:17
Operator : Inst ID: vms03.i
Smp Info : 350023703;3500237;5;
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Meth Date : 30-Jul-2010 11:14 lpelo Quant Type: ISTD
Cal Date : 19-JUL-2010 08:45 Cal File: 200PPT.D
Als bottle: 5 QC Sample: MS
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				411945	36.5189	182
M 2 Xylenes (Total)	100				1481505	64.3907	322
M 3 Trihalomethanes (Total)	100				899666	79.3003	396
4 Dichlorodifluoromethane	85	1.369	1.368	(0.198)	192758	15.6032	78.0
5 Chloromethane	50	1.516	1.520	(0.219)	194575	16.7269	83.6
6 Vinyl Chloride	62	1.633	1.628	(0.236)	214680	18.7131	93.6
7 Bromomethane	96	1.949	1.949	(0.282)	107173	16.7061	83.5
8 Chloroethane	64	2.069	2.071	(0.299)	116999	15.6254	78.1
9 Trichlorofluoromethane	101	2.325	2.331	(0.336)	332021	19.5554	97.8
10 Acrolein	56	2.769	2.773	(0.401)	29454	33.3229	167
11 1,1,2 Trichlorotrifluoromethan	101	2.945	2.948	(0.426)	138191	14.9709	74.8
12 Acetone	43	2.966	2.967	(0.429)	60375	24.7876	124(R)
13 1,1-Dichloroethene	61	2.907	2.904	(0.421)	215960	14.6078	73.0(R)
109 t-Butyl-Alcohol	59	3.810	3.798	(0.551)	131445	189.617	948
14 Acetonitrile	41	3.346	3.348	(0.484)	237886	115.428	577(qR)
15 Iodomethane	142	3.093	3.089	(0.448)	199362	13.8680	69.3(R)
16 Methyl Acetate	43	3.420	3.411	(0.495)	75257	12.0018	60.0(R)
17 Allyl Chloride	41	3.346	3.348	(0.484)	237886	11.7262	58.6(R)
18 Carbon Disulfide	76	3.138	3.138	(0.454)	315727	12.3297	61.6(R)
19 Methylene Chloride	49	3.583	3.586	(0.519)	243657	15.0673	75.3(R)
20 Acrylonitrile	53	3.912	3.916	(0.566)	101346	31.0430	155
21 Methyl-tert-butyl ether	73	3.976	3.975	(0.576)	314168	16.3423	81.7
22 trans 1,2-Dichloroethene	61	3.933	3.932	(0.569)	203863	15.4023	77.0(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	23 1,1-Dichloroethane	63	4.588	4.587	(0.664)	274774	16.6118	83.0(R)
	24 Vinyl Acetate	43	4.745	4.750	(0.687)	639914	20.9785	105
	25 Chloroprene	53	4.728	4.731	(0.684)	268135	20.7246	104
	26 2-Butanone	43	5.512	5.528	(0.798)	129119	40.5561	203
	27 Propionitrile	54	5.580	5.596	(0.807)	236891	211.652	1060
	28 2,2-Dichloropropane	77	5.432	5.430	(0.786)	131717	20.4108	102
	29 cis-1,2-Dichloroethene	96	5.447	5.453	(0.788)	208082	21.1166	106
	30 Methyacrylonitrile	67	5.780	5.782	(0.837)	715947	216.352	1080
	31 Isobutyl Alcohol	43	5.978	5.977	(0.865)	59024	201.456	1010(QR)
	32 Chloroform	83	5.903	5.907	(0.854)	344351	20.5935	103
	33 Bromochloromethane	49	5.761	5.764	(0.834)	194659	20.9814	105
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.105	6.104	(0.884)	525908	53.3039	53.3
	35 1,1,1-Trichloroethane	97	6.100	6.103	(0.883)	257361	20.8577	104
	36 Cyclohexane	56	6.158	6.158	(0.891)	310222	20.4535	102(q)
	37 1,1-Dichloropropene	75	6.313	6.311	(0.914)	262352	21.2358	106
	38 Carbon tetrachloride	117	6.304	6.302	(0.912)	230837	18.7451	93.7
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.502	6.505	(0.941)	118334	51.1263	51.1(Q)
	40 1,2-Dichloroethane	62	6.595	6.592	(0.954)	276886	21.0915	105
	41 Benzene	78	6.560	6.555	(0.949)	777112	21.7456	109
*	42 FLUOROBENZENE (IS)	96	6.910	6.909	(1.000)	1697794	50.0000	
	43 Trichloroethylene	130	7.332	7.327	(1.061)	199796	20.8757	104
	44 Methyl Cyclohexane	55	7.533	7.530	(1.090)	181450	21.4800	107
	45 1,2-Dichloropropane	63	7.575	7.576	(1.096)	204043	20.9512	105
	46 Methyl Methacrylate	69	7.761	7.762	(1.123)	112921	19.6625	98.3
	47 Bromodichloromethane	83	7.895	7.891	(1.143)	265248	20.4657	102
	48 1,4 Dioxane	88	7.753	7.764	(1.122)	28123	411.145	2060(q)
	49 Dibromomethane	93	7.702	7.695	(1.115)	121451	20.6252	103
	50 4-Methyl-2-Pentanone	58	8.561	8.563	(1.239)	109344	41.6167	208(Q)
	51 2-Hexanone	43	9.423	9.425	(0.931)	188032	39.2497	196
	52 cis 1,3-Dichloropropene	75	8.377	8.382	(1.212)	272565	20.2271	101
$	53 TOLUENE d8 (surr)	98	8.651	8.651	(1.252)	1966330	52.2576	52.2
	54 Toluene	92	8.720	8.718	(1.262)	805160	36.2980	181(R)
	55 trans 1,3-Dichloropropene	75	8.965	8.964	(1.297)	222136	18.2538	91.3
	56 Ethyl Methacrylate	69	9.086	9.087	(1.315)	209162	19.7684	98.8
	57 1,1,2-Trichloroethane	97	9.147	9.145	(1.324)	171285	21.1837	106
	58 1,3-Dichloropropane	76	9.313	9.311	(0.920)	303964	20.6955	103
	59 Tetrachloroethylene	164	9.282	9.287	(0.917)	155298	20.8564	104
	60 Dibromochloromethane	129	9.539	9.546	(0.942)	186518	19.6645	98.3
	61 1,2-Dibromoethane	107	9.645	9.641	(0.953)	175947	20.4149	102
	62 1-Chlorohexane	91	10.150	10.147	(1.003)	226778	19.3733	96.9(Q)
*	63 CHLOROBENZENE d5 (IS)	117	10.123	10.121	(1.000)	1527953	50.0000	
	64 Chlorobenzene	112	10.152	10.150	(1.003)	568741	20.7692	104(Q)
	65 1,1,1,2-Tetrachloroethane	131	10.240	10.235	(1.012)	185412	19.9020	99.5(Q)
	66 Ethylbenzene	106	10.273	10.270	(1.015)	299906	20.9614	105
	67 p,m-Xylene	106	10.393	10.393	(1.027)	738369	43.1317	216
	68 o-Xylene	91	10.789	10.787	(1.066)	743136	21.2590	106
	69 Styrene	104	10.803	10.803	(1.067)	605173	21.5846	108
	70 Bromoform	173	10.977	10.981	(1.084)	103549	18.5766	92.9
	71 1-Methylethylbenzene	105	11.164	11.165	(0.896)	801326	19.9933	100
	72 1,4-Dichloro-2-Butene	53	11.228	11.227	(0.901)	33537	27.7908	139(QR)
	73 1,1,2,2-Tetrachloroethane	83	11.464	11.462	(0.920)	223633	19.3103	96.6(Q)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.309	11.308	(0.907)	713080	47.1496	47.1
	75 1,2,3- trichloropropane	110	11.499	11.500	(0.922)	63539	19.1605	95.8(Q)
	76 n-Propylbenzene	91	11.577	11.579	(0.929)	990785	20.8906	104

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	11.452	11.453	(0.919)	356760	19.0896	95.4
78 1,3,5-Trimethylbenzene	105	11.756	11.755	(0.943)	695648	20.0197	100
79 2-Chlorotoluene	91	11.653	11.652	(0.935)	627097	19.8842	99.4
80 4-Chlorotoluene	91	11.763	11.762	(0.944)	722984	19.8465	99.2
81 tert-Butylbenzene	119	12.081	12.077	(0.969)	562325	20.5777	103
82 1,2,4-trimethylbenzene	105	12.128	12.129	(0.973)	754593	20.3192	102
123 1,2,3-Trimethylbenzene	105	12.546	12.547	(1.006)	888095	22.1533	111
83 sec-Butylbenzene	105	12.301	12.301	(0.987)	777197	20.3923	102
84 p-Isopropyltoluene	119	12.449	12.450	(0.999)	669625	20.2250	101
85 1,3-Dichlorobenzene	146	12.400	12.400	(0.995)	430338	20.2400	101
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	897968	50.0000	
87 1,4-Dichlorobenzene	146	12.490	12.488	(1.002)	443866	19.6602	98.3(Q)
88 Benzyl Chloride	91	12.629	12.627	(1.013)	167122	15.5033	77.5
89 n-Butylbenzene	91	12.859	12.859	(1.031)	560236	20.0626	100
90 1,2-Dichlorobenzene	146	12.861	12.855	(1.032)	409430	19.9912	100
91 1,2-dibromo-3-chloropropane	75	13.637	13.639	(1.094)	31795	17.9955	90.0
92 1,2,4-Trichlorobenzene	180	14.401	14.402	(1.155)	211850	19.4559	97.3
93 Hexachlorobutadiene	223	14.541	14.540	(1.166)	53563	20.0165	100(Q)
94 Naphthalene	128	14.589	14.589	(1.170)	501188	17.6359	88.2
95 1,2,3-trichlorobenzene	180	14.769	14.765	(1.185)	193300	18.7926	94.0
103 Isopropyl Ether	45	4.778	4.780	(0.691)	596331	20.6510	103
104 Ethyl acetate	43	5.634	5.639	(0.815)	278648	40.0579	200(Q)
105 Cyclohexanone	55	11.243	11.244	(1.111)	44095	132.086	660(R)
106 Ethyl ether	59	2.631	2.635	(0.381)	133715	18.5970	93.0
107 2-Nitropropane	43	8.146	8.148	(1.179)	68989	36.0434	180
108 Tetrahydrofuran	42	5.838	5.855	(0.845)	88120	42.7498	214
110 Chlorotrifluoroethylene	116	1.330	1.328	(0.193)	14997	11.0258	55.1(R)
111 Isobutene	41	1.583	1.601	(0.229)	81712	248.551	1240(A)
112 Ethanol	45	2.553	2.547	(0.369)	36604	1473.37	7370(Q)
113 2-chloro-1,1,1-trifluoroethan	118	1.745	1.745	(0.253)	260639	21.6825	108
114 Bromoethane	108	3.156	3.158	(0.457)	90706	13.7587	68.8(R)
115 n-Hexane	57	4.394	4.393	(0.636)	147179	16.7885	83.9
116 tert-Butyl ethyl ether	59	5.309	5.305	(0.768)	386787	19.6596	98.3
117 t-butyl formate	59	5.979	5.977	(0.865)	376425	216.959	1080(R)
118 tert-Amyl alcohol	59	6.678	6.680	(0.966)	153324	352.479	1760(Q)
119 tert-Amyl-methyl ether	73	6.749	6.749	(0.977)	395223	20.1296	101
120 3,3-dimethyl-1-butanol	57	9.643	9.644	(1.396)	157008	364.700	1820

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 23703DMS.D
Lab Smp Id: 350023703
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: ST106-MS-10625-
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1697794	6.17
63 CHLOROBENZENE d5	1329024	664512	2658048	1527953	14.97
86 1,4-DICHLOROBENZE	751249	375625	1502498	897968	19.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.02
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.01
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

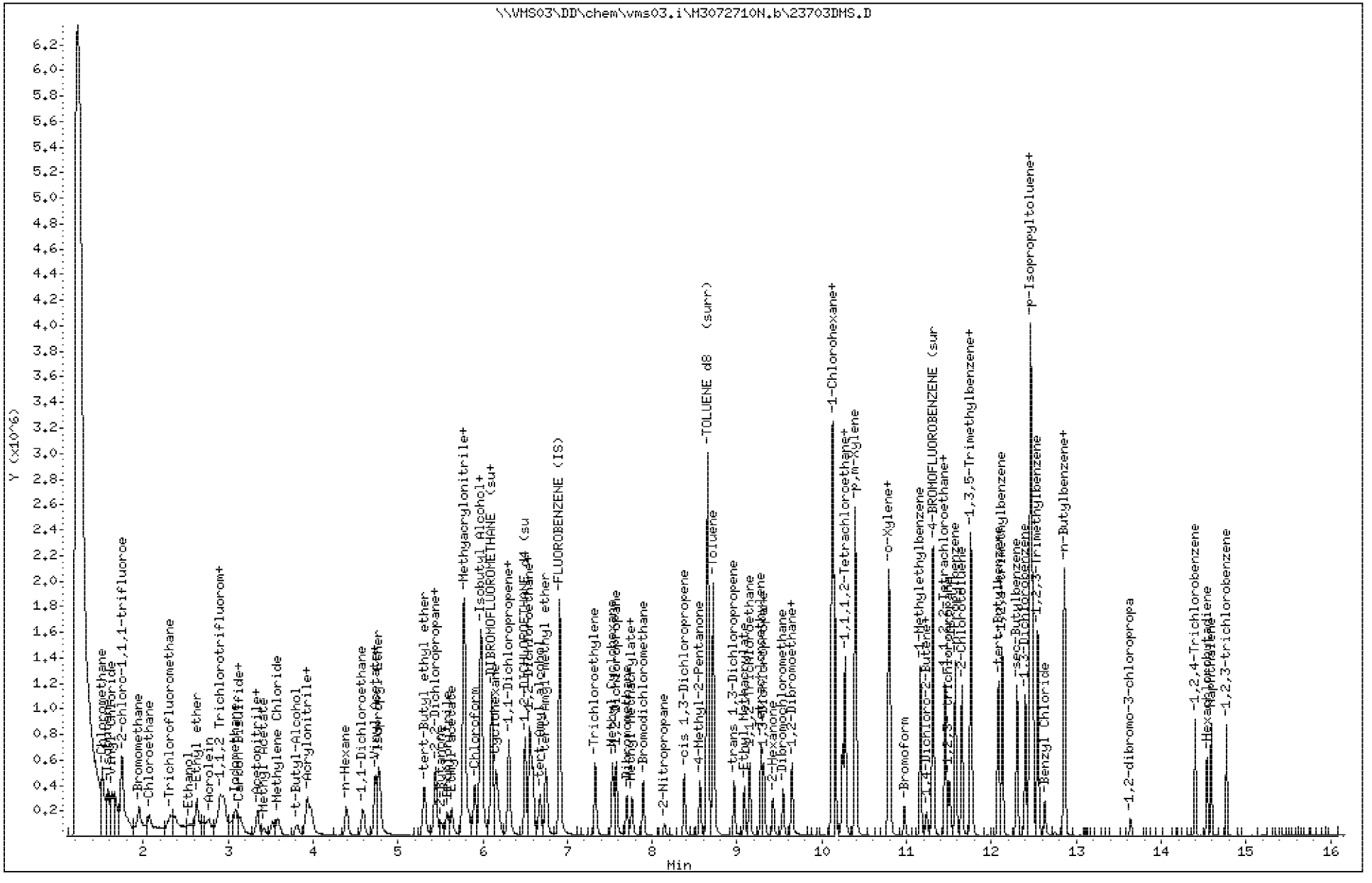
Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

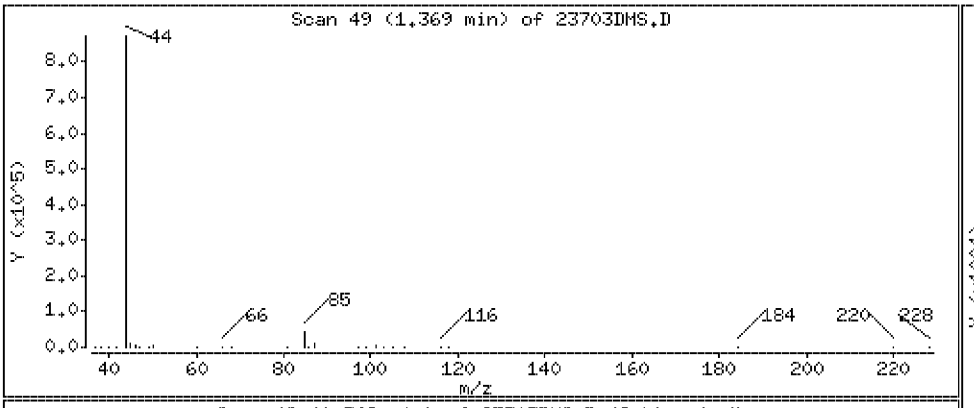
Operator:

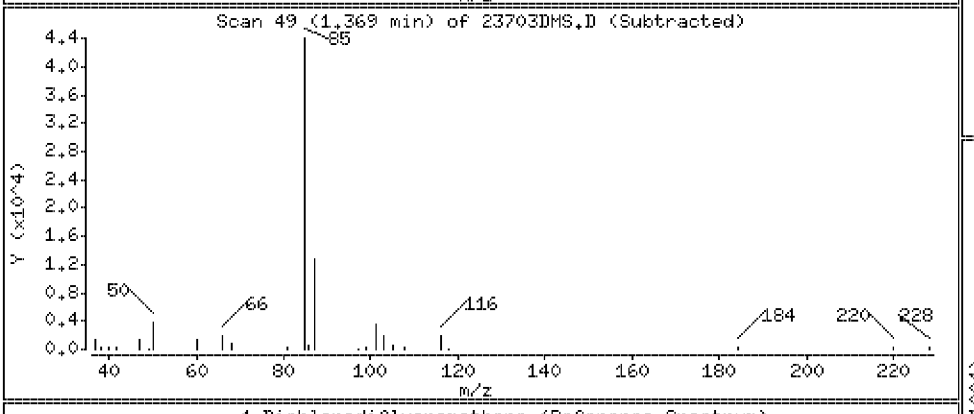
Column phase: RTX-502.2

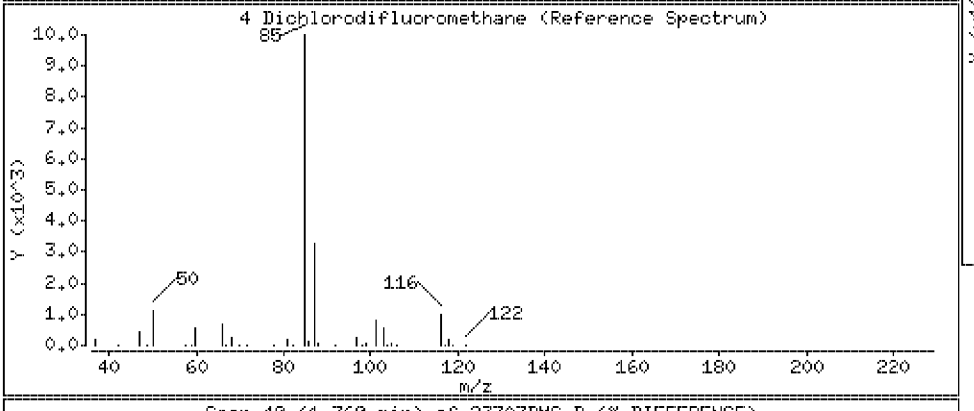
Column diameter: 0.18

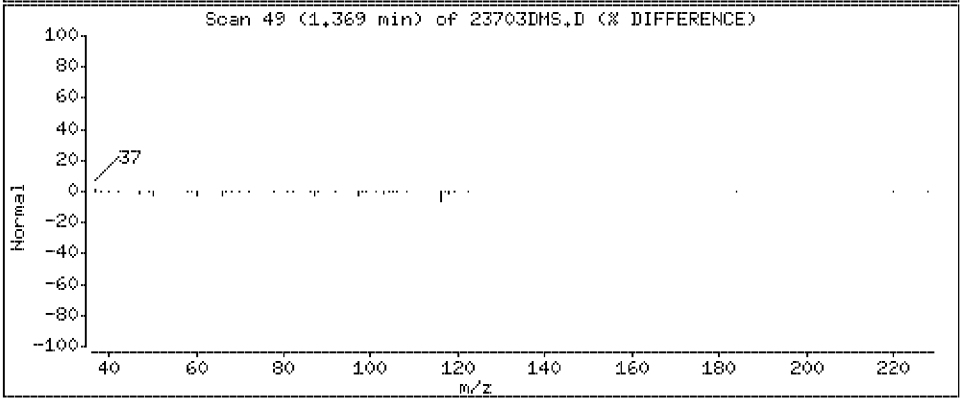
4 Dichlorodifluoromethane

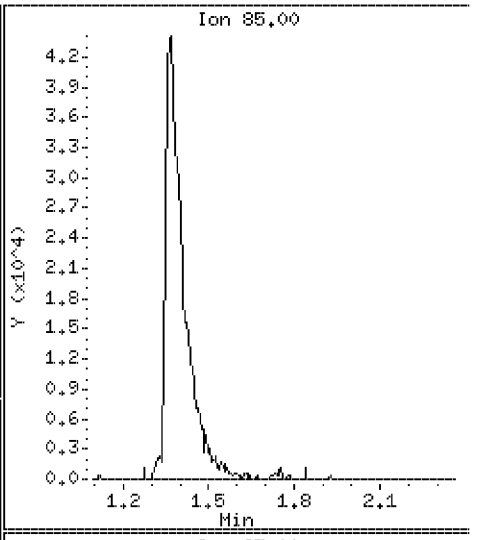
Concentration: 78.0 ug/l

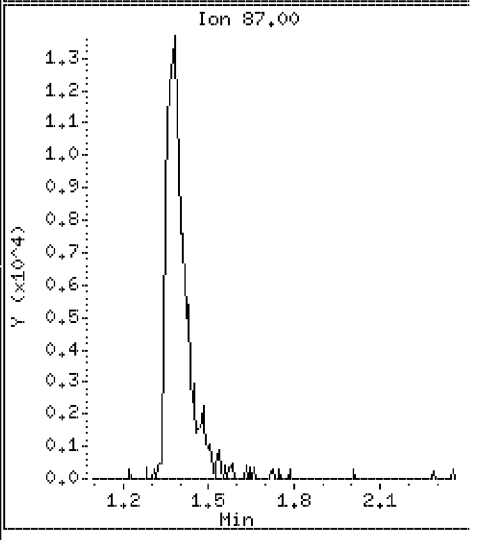












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

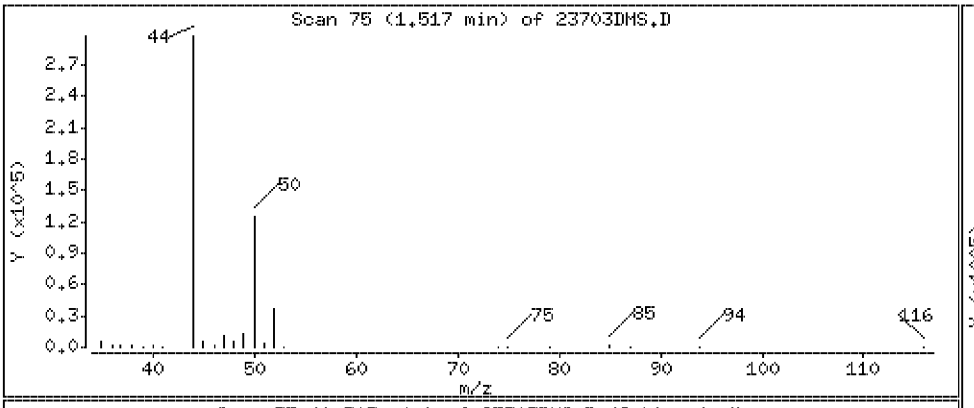
Operator:

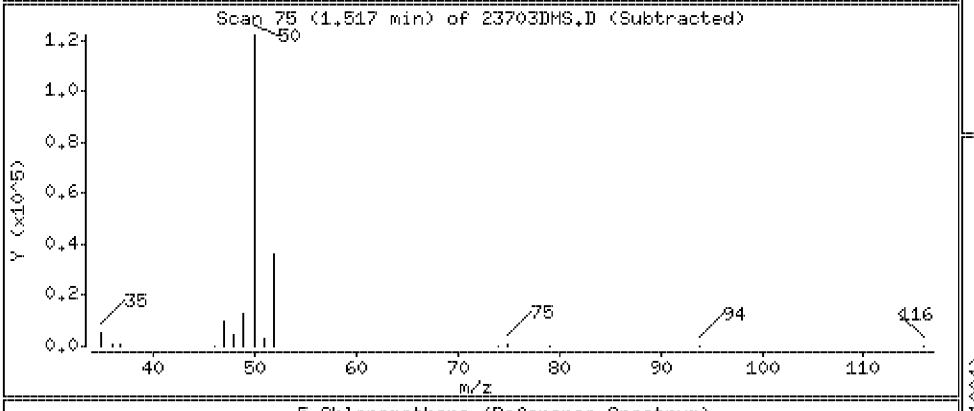
Column phase: RTX-502.2

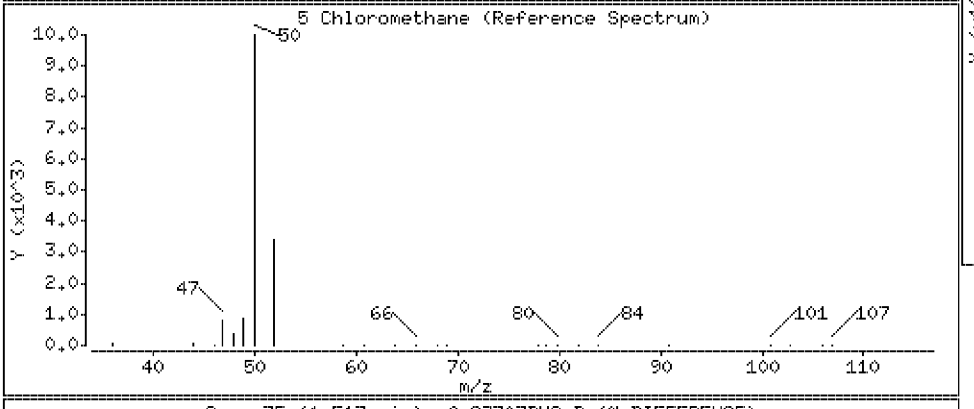
Column diameter: 0.18

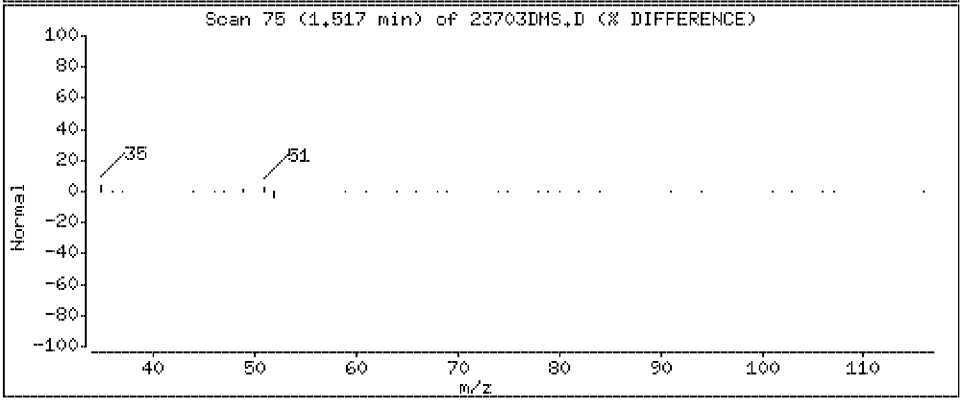
5 Chloromethane

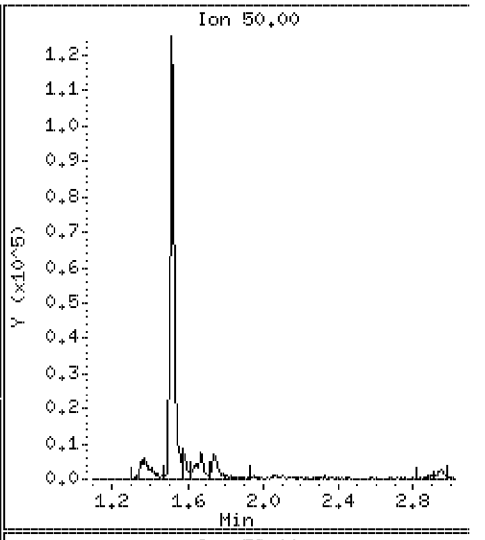
Concentration: 83.6 ug/l

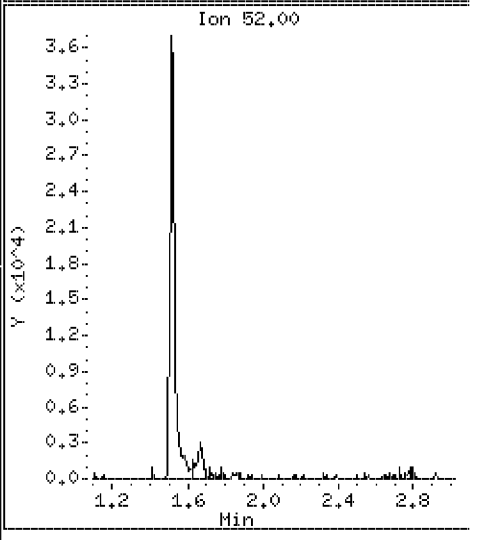












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

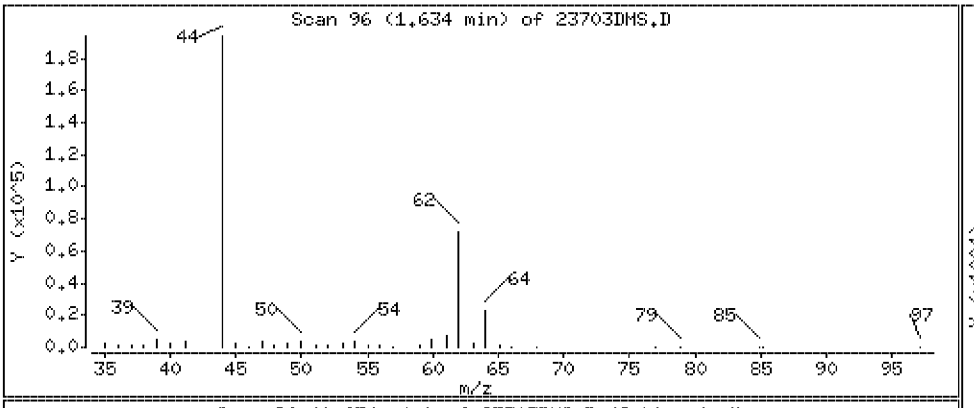
Operator:

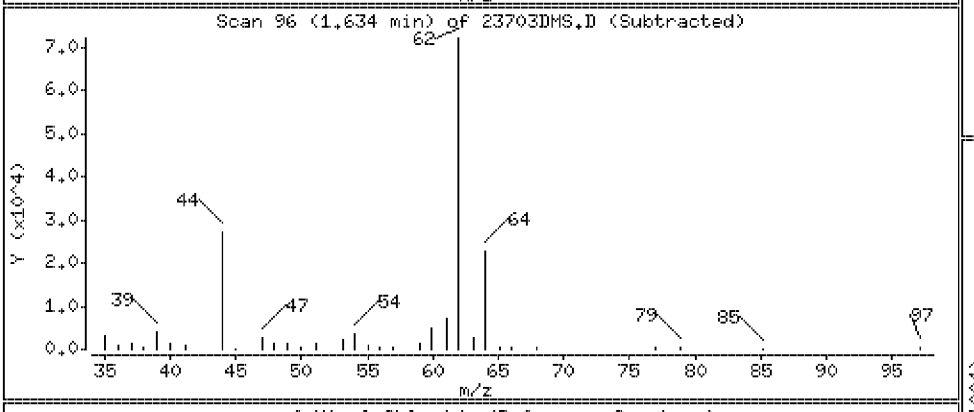
Column phase: RTX-502.2

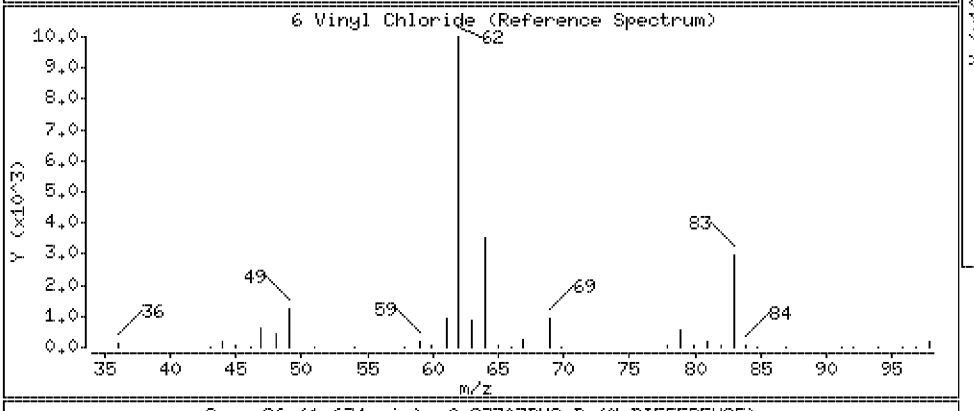
Column diameter: 0.18

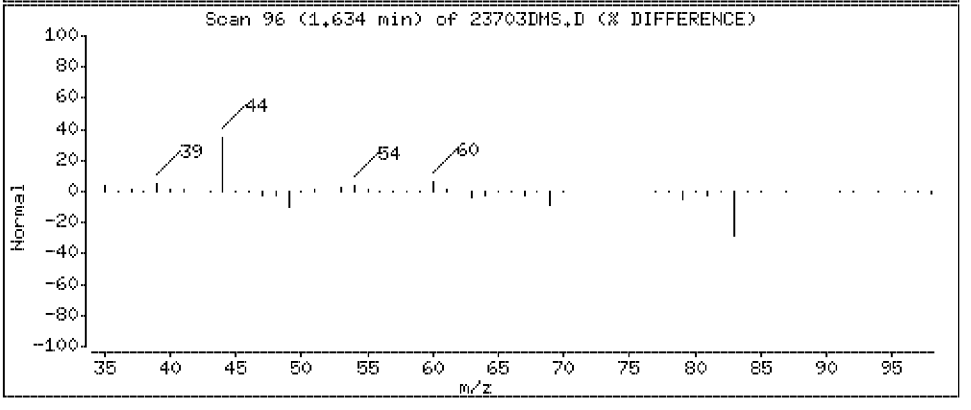
6 Vinyl Chloride

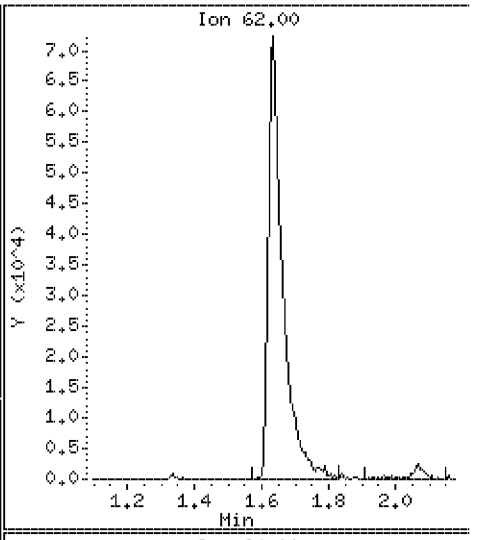
Concentration: 93.6 ug/l

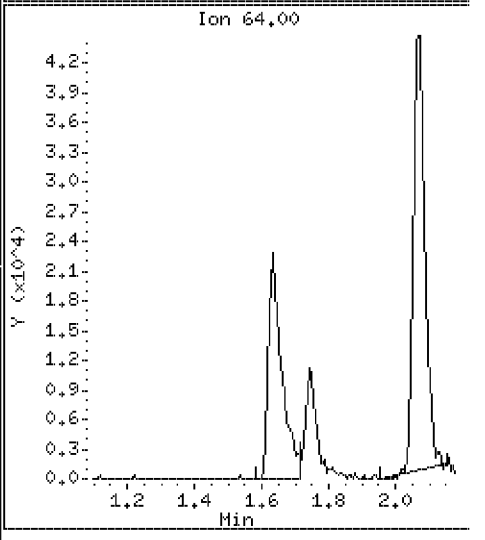












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

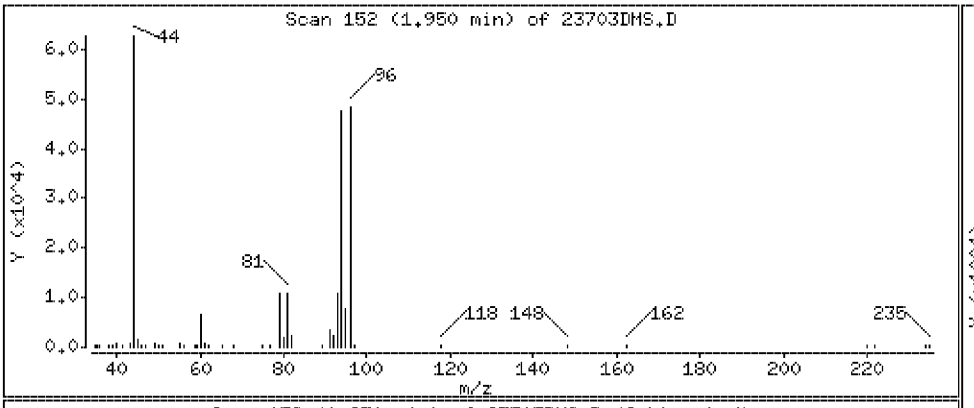
Operator:

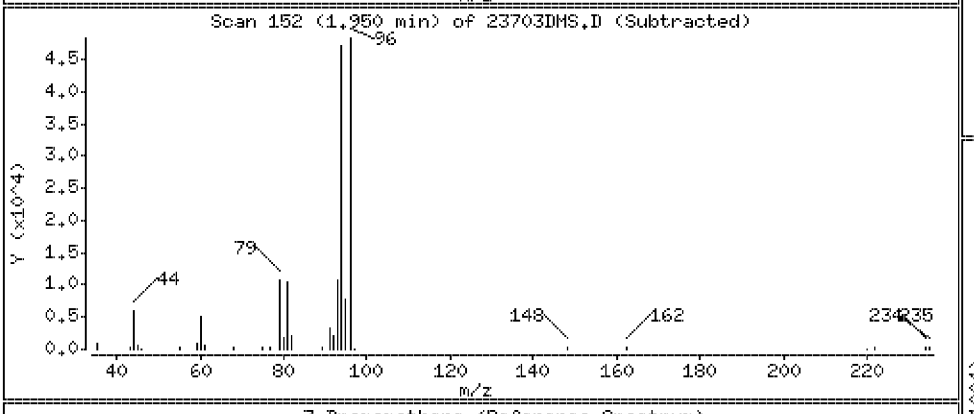
Column phase: RTX-502.2

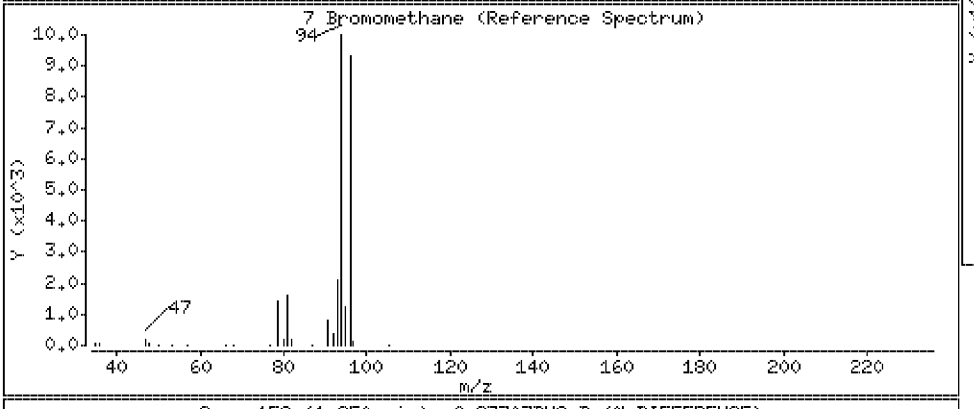
Column diameter: 0.18

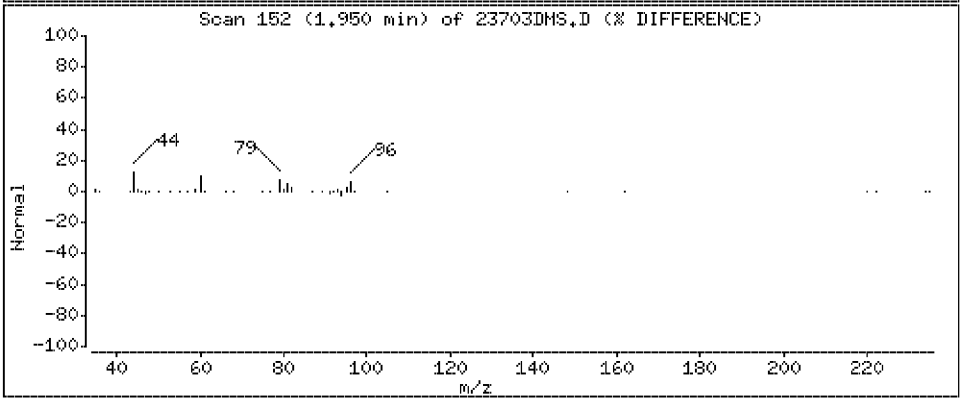
7 Bromomethane

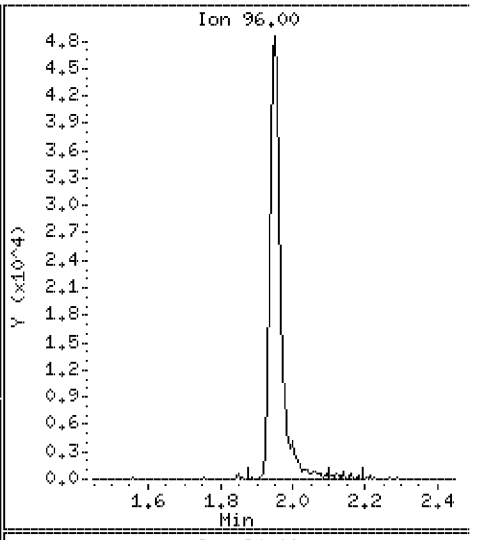
Concentration: 83.5 ug/l

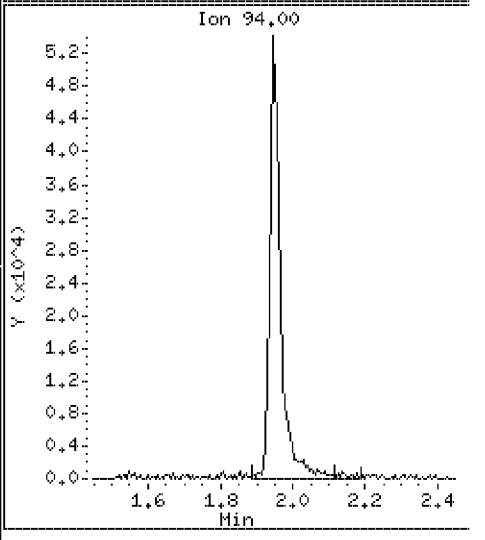












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Date : 27-JUL-2010 15:17

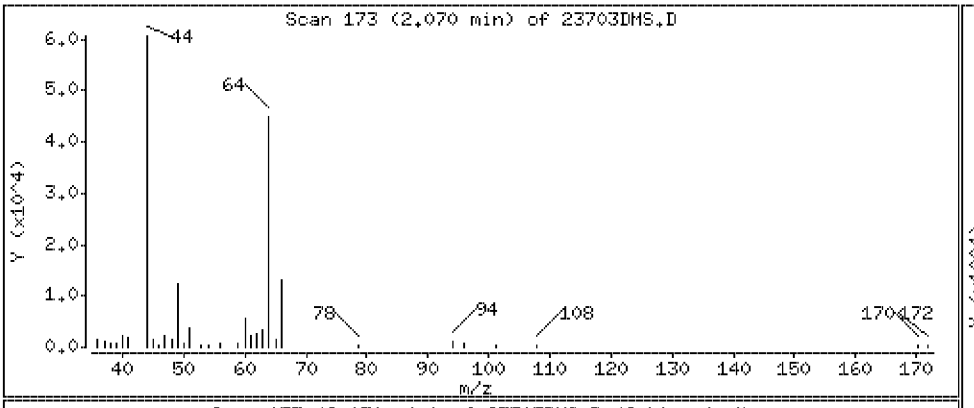
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

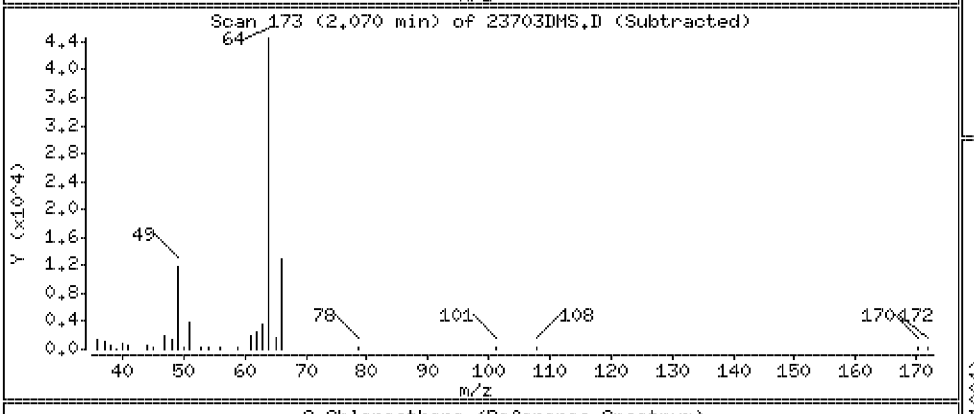
Sample Info: 350023703;3500237;5;

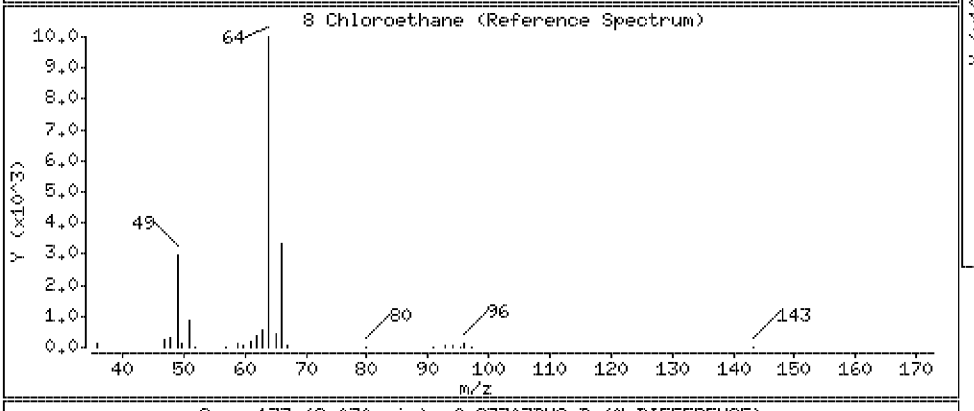
Purge Volume: 5.0 Operator:

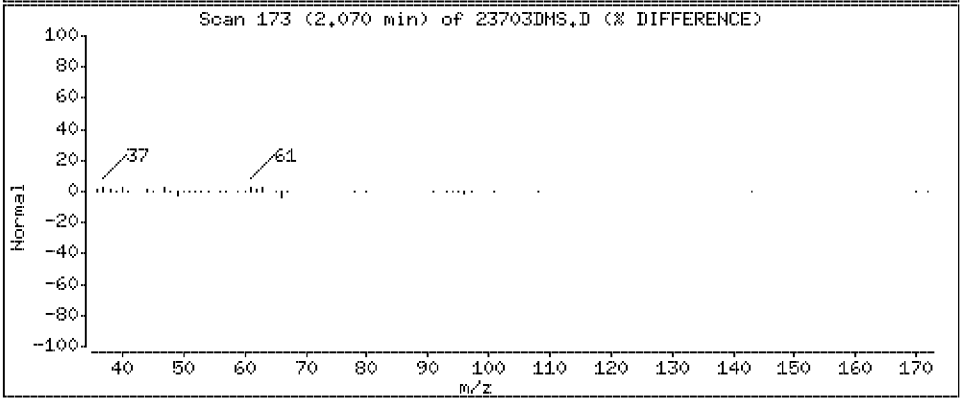
Column phase: RTX-502.2 Column diameter: 0.18

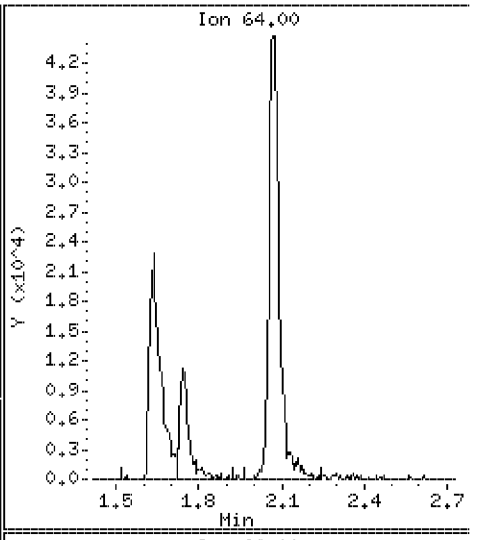
8 Chloroethane Concentration: 78.1 ug/l

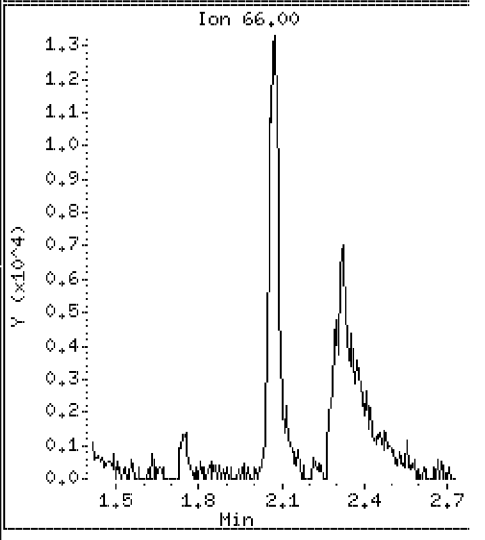












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

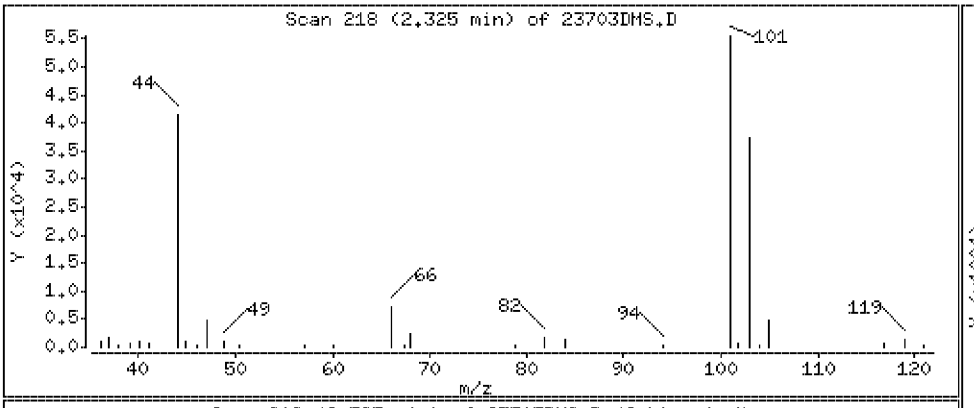
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

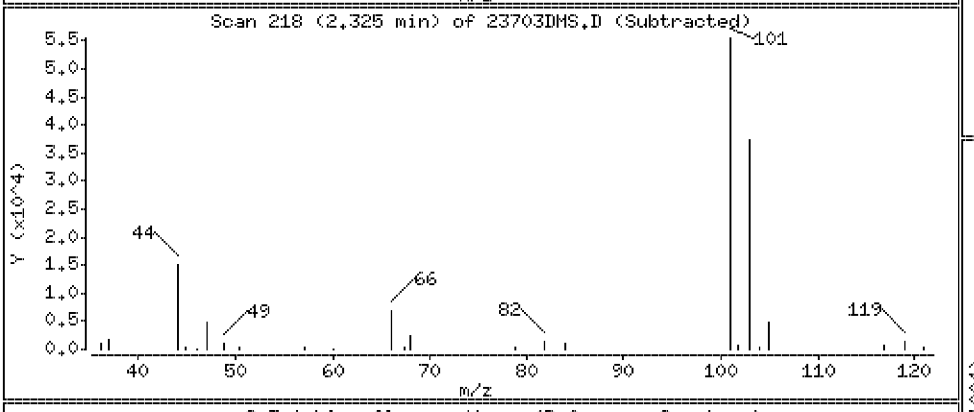
Sample Info: 350023703;3500237;5;

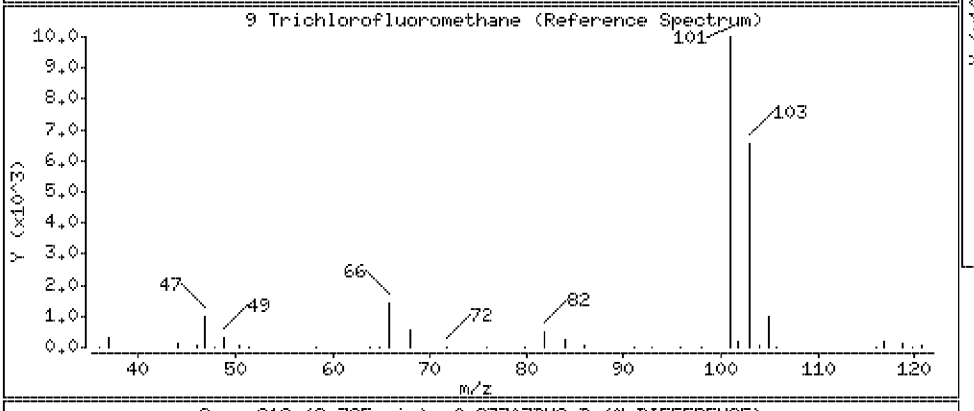
Purge Volume: 5.0 Operator:

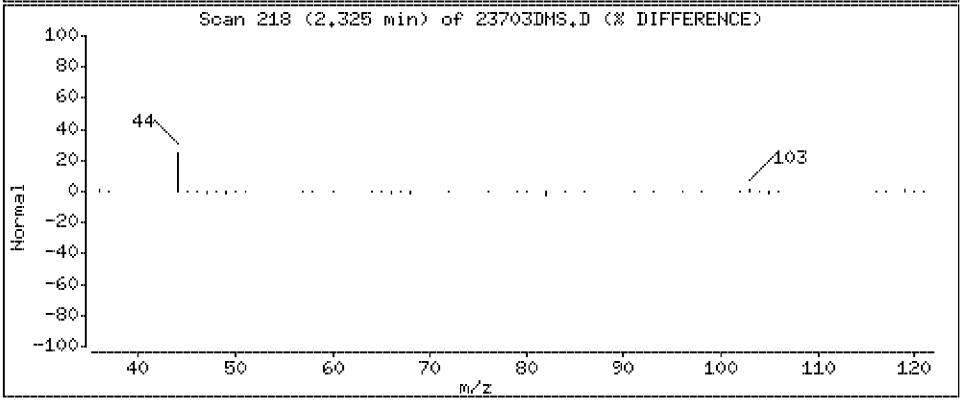
Column phase: RTX-502.2 Column diameter: 0.18

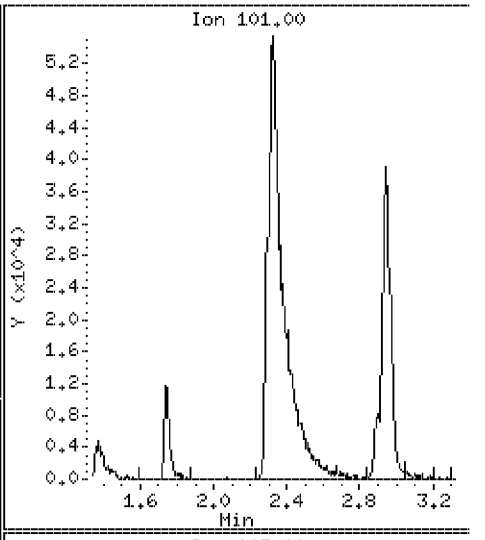
9 Trichlorofluoromethane Concentration: 97.8 ug/l

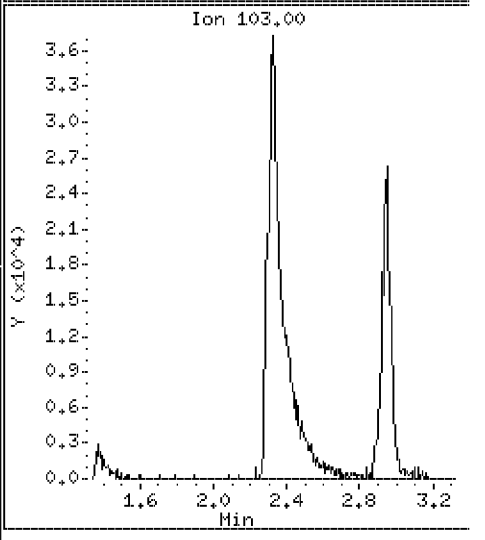












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Date : 27-JUL-2010 15:17

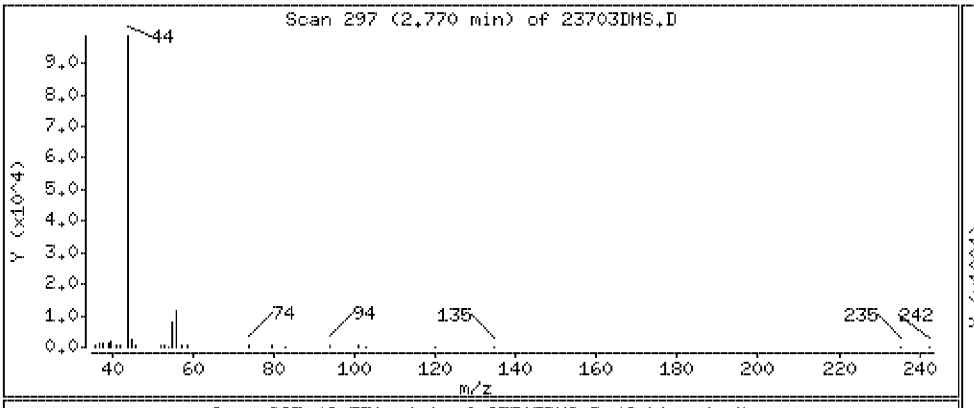
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

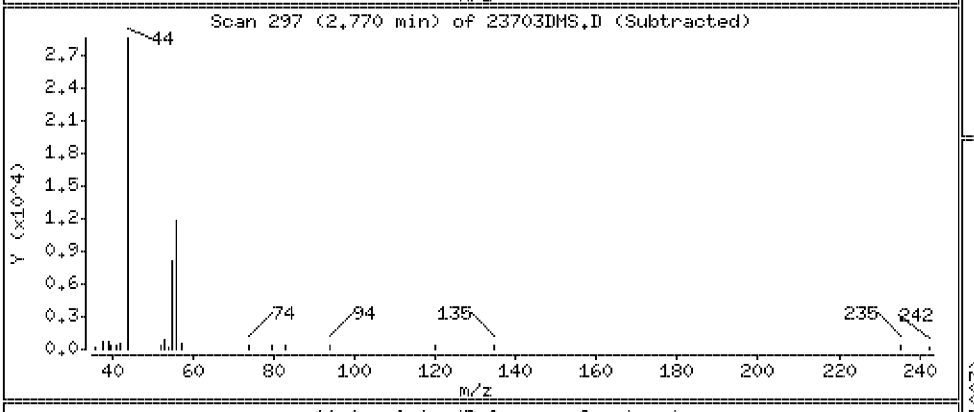
Sample Info: 350023703;3500237;5;

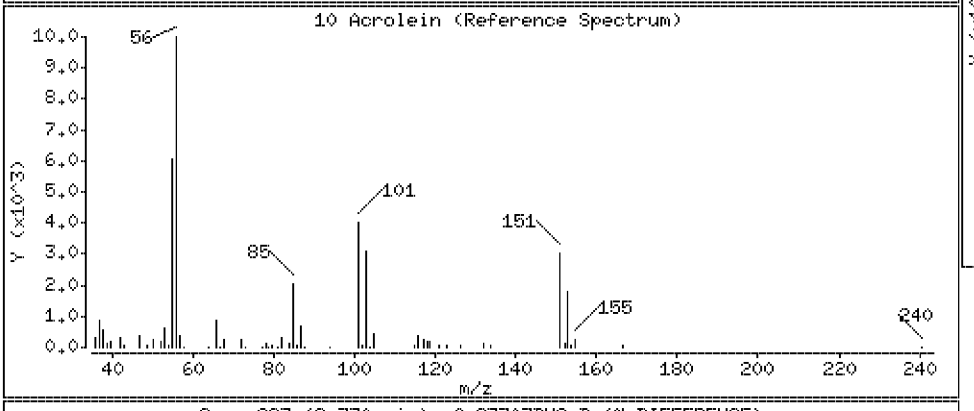
Purge Volume: 5.0 Operator:

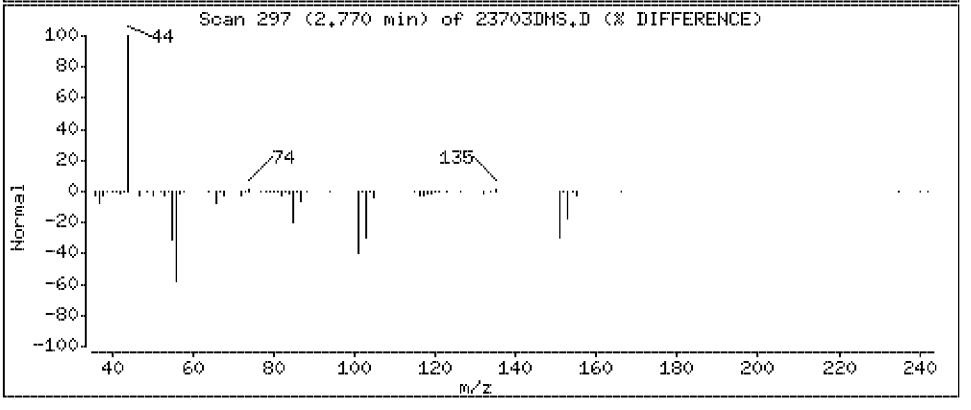
Column phase: RTX-502.2 Column diameter: 0.18

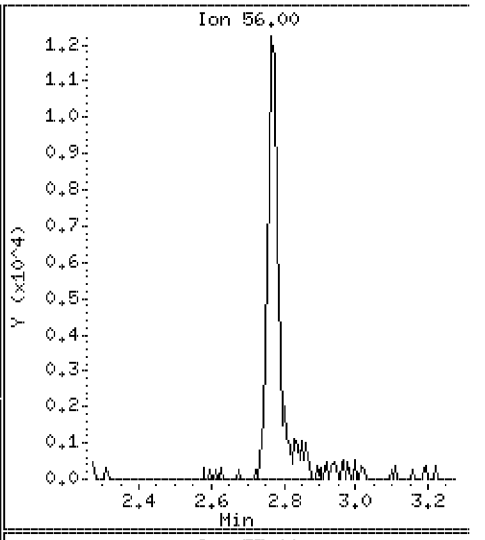
10 Acrolein Concentration: 167 ug/l

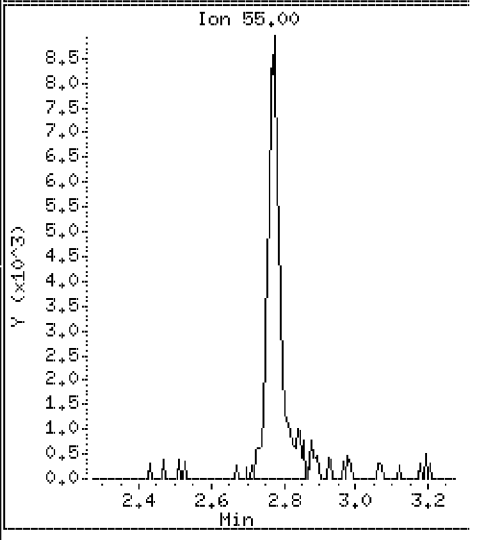












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

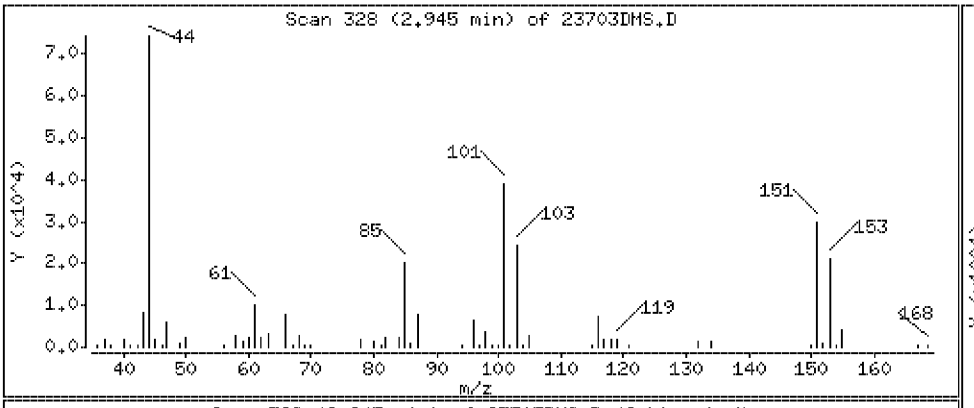
Operator:

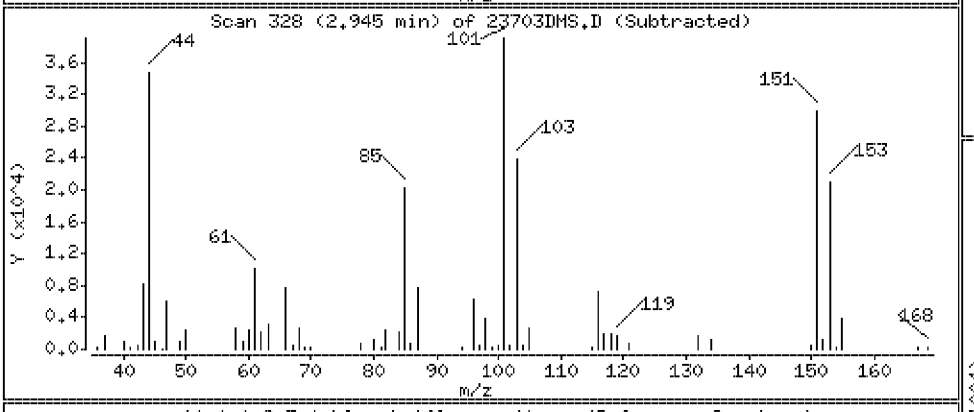
Column phase: RTX-502.2

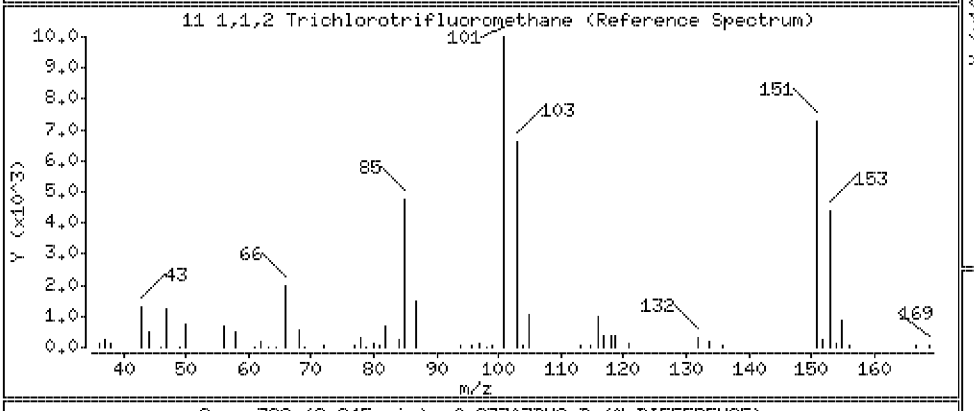
Column diameter: 0.18

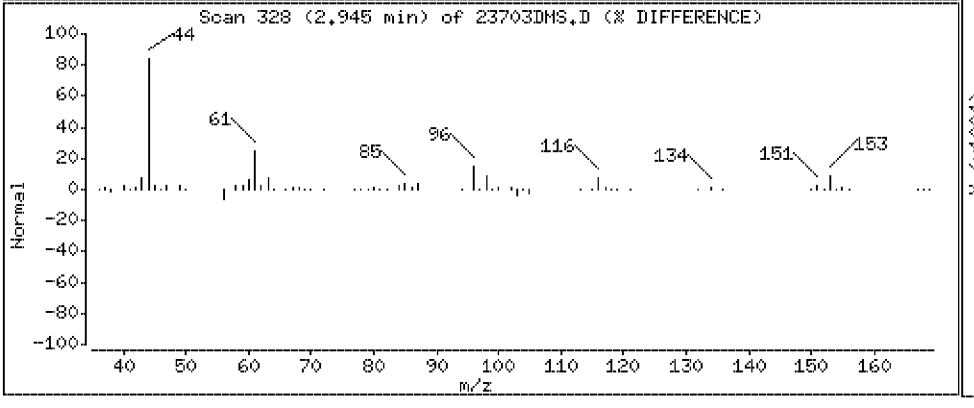
11 1,1,2 Trichlorotrifluoromethane

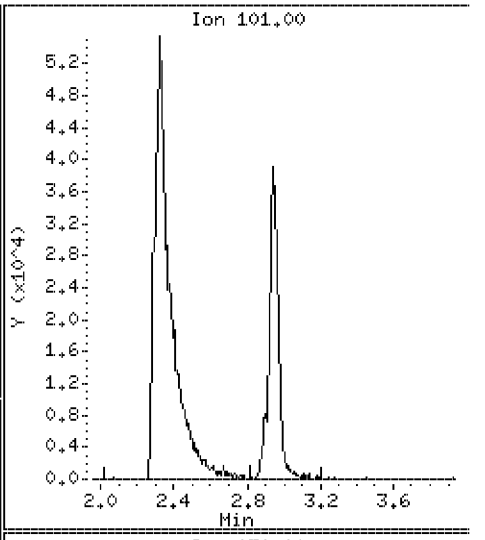
Concentration: 74.8 ug/l

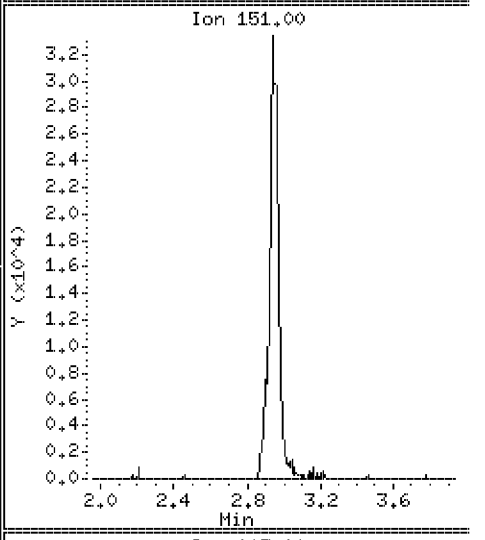


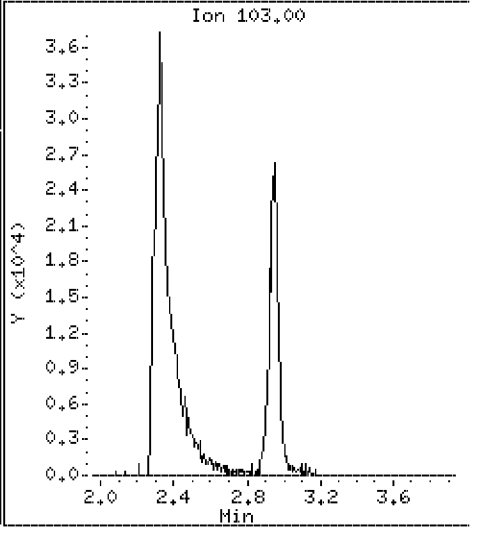












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

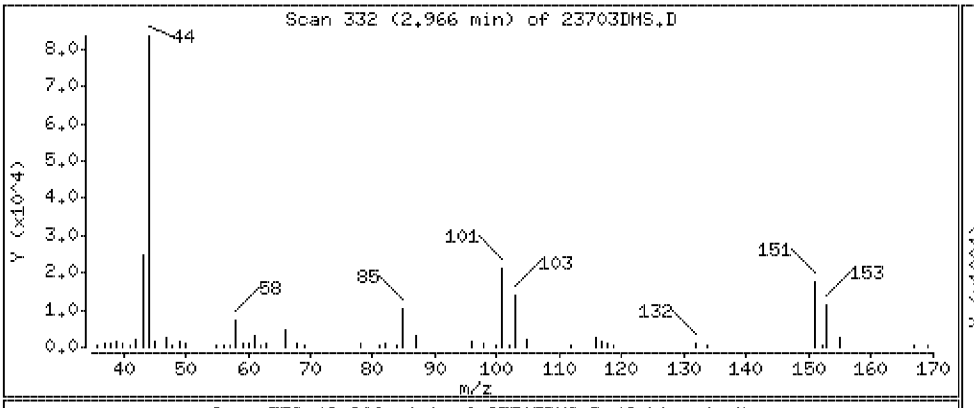
Operator:

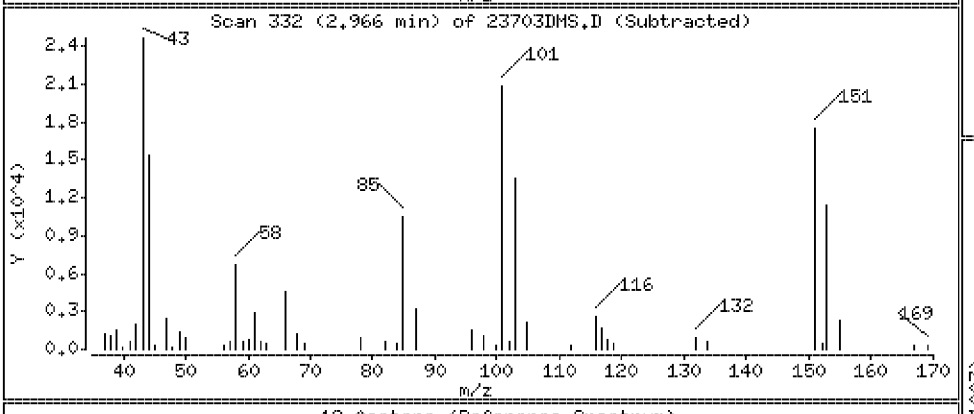
Column phase: RTX-502.2

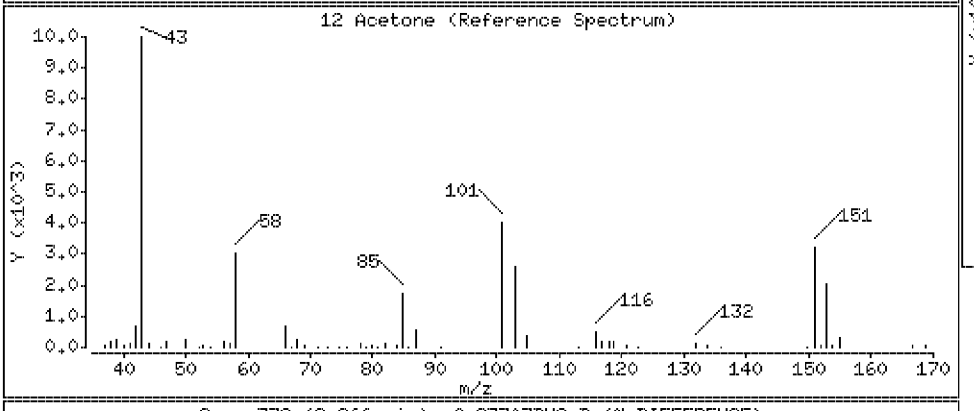
Column diameter: 0.18

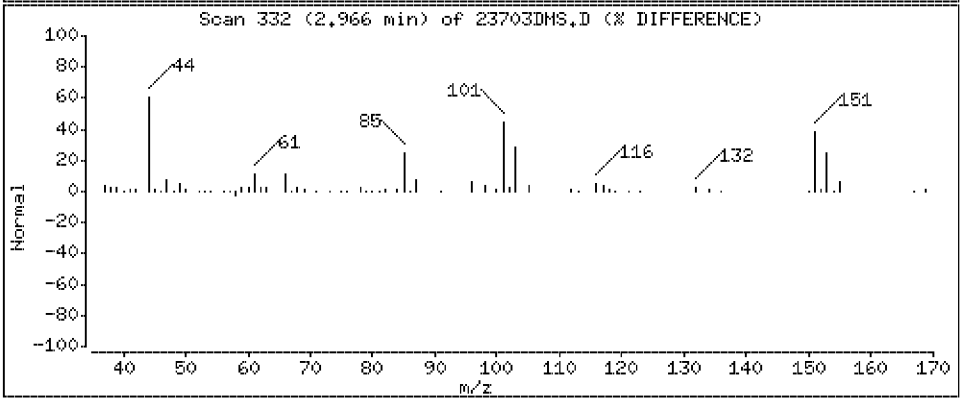
12 Acetone

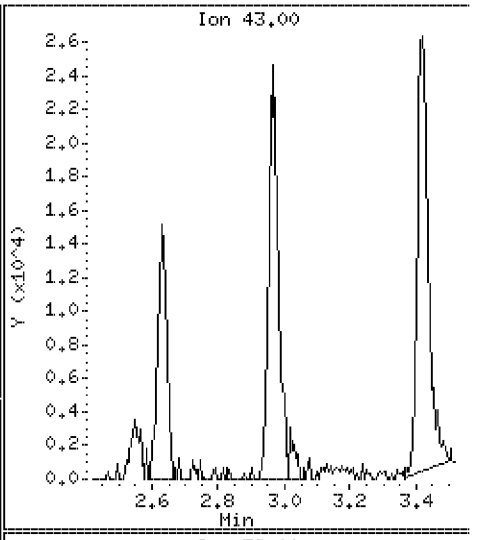
Concentration: 124 ug/l

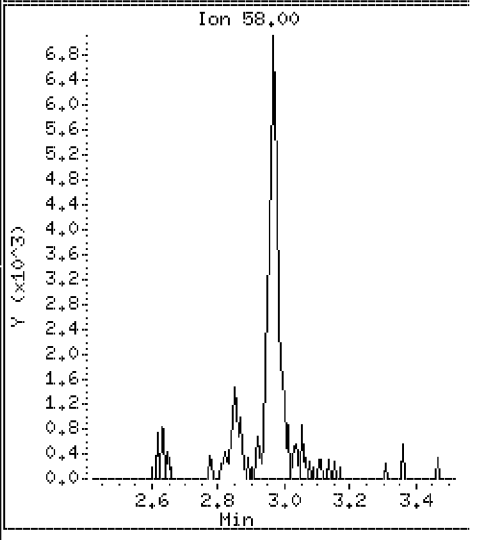












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Date : 27-JUL-2010 15:17

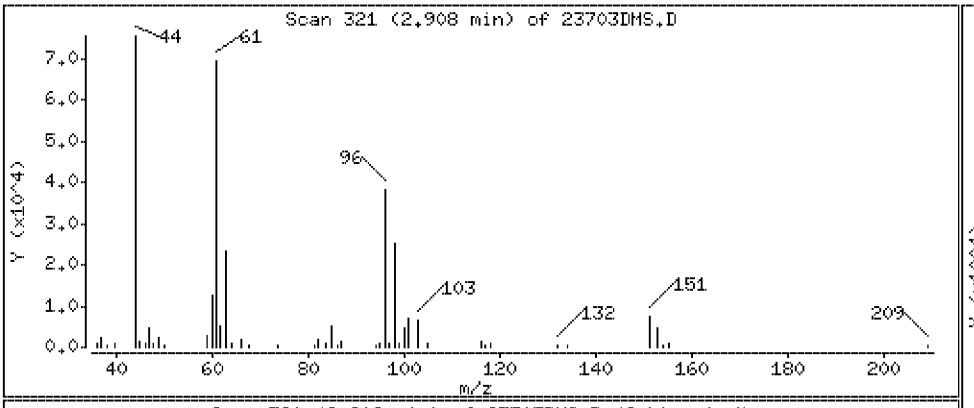
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

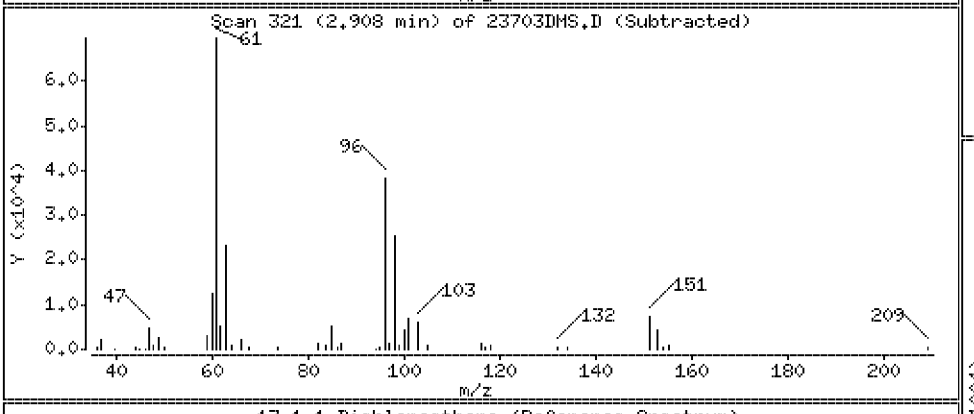
Sample Info: 350023703;3500237;5;

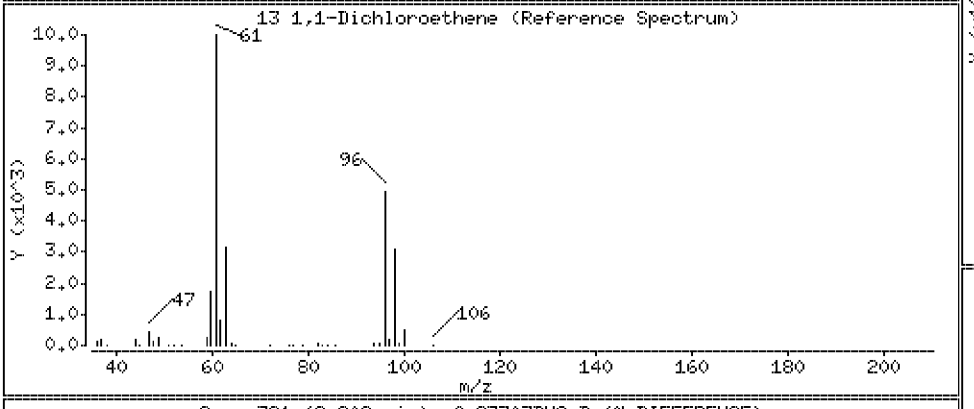
Purge Volume: 5.0 Operator:

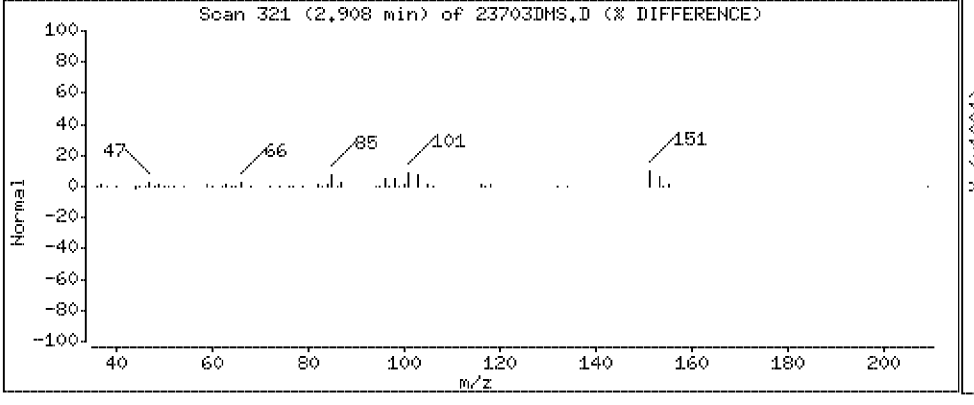
Column phase: RTX-502.2 Column diameter: 0.18

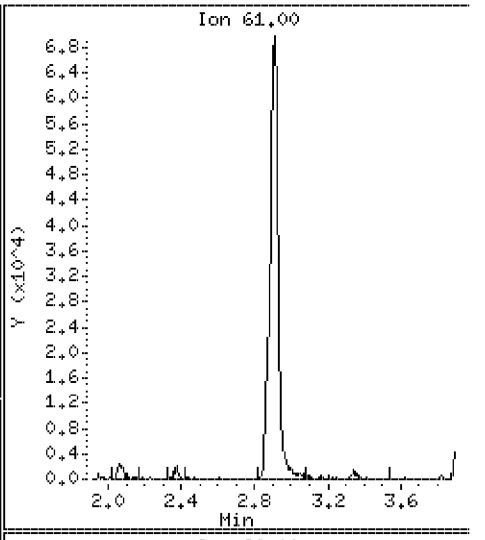
13 1,1-Dichloroethene Concentration: 73.0 ug/l

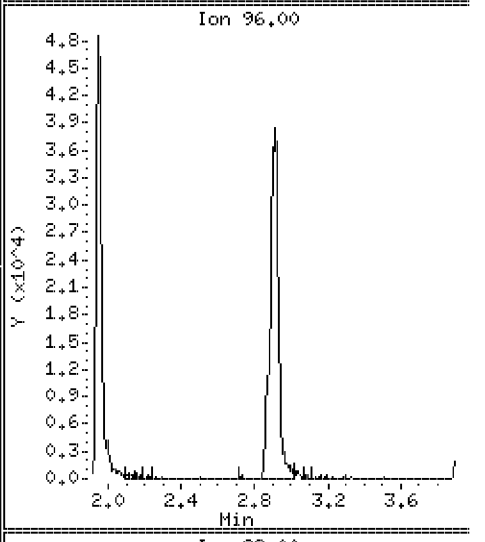


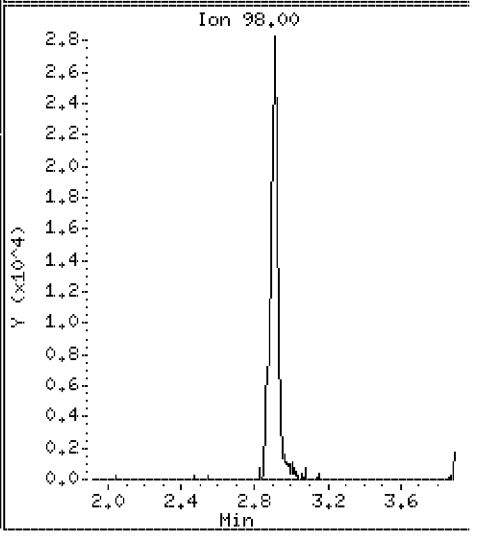












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

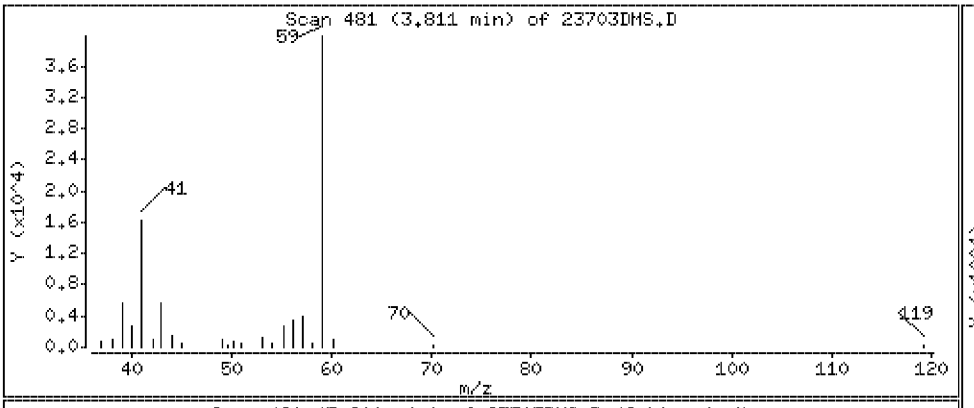
Operator:

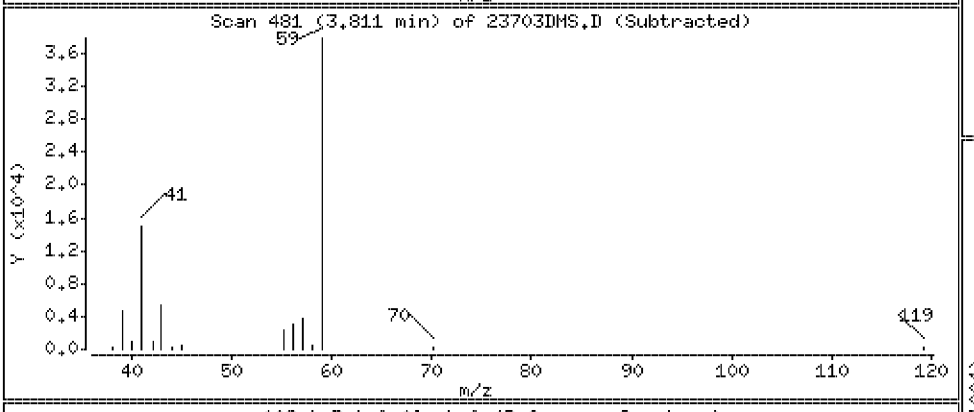
Column phase: RTX-502.2

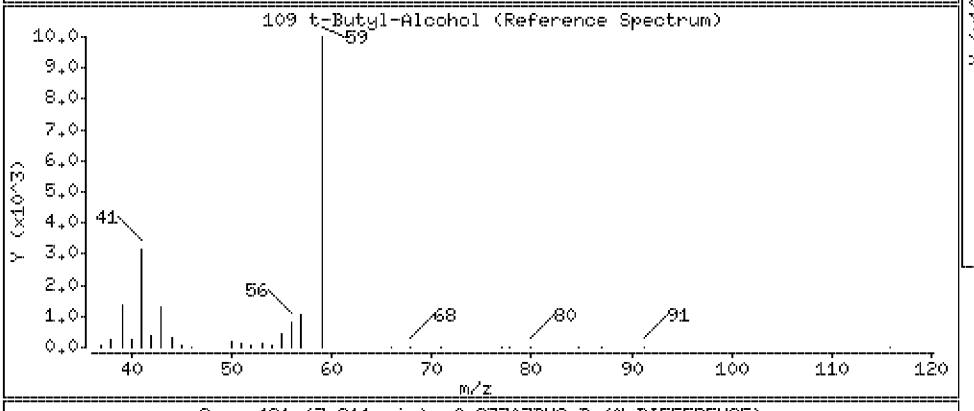
Column diameter: 0.18

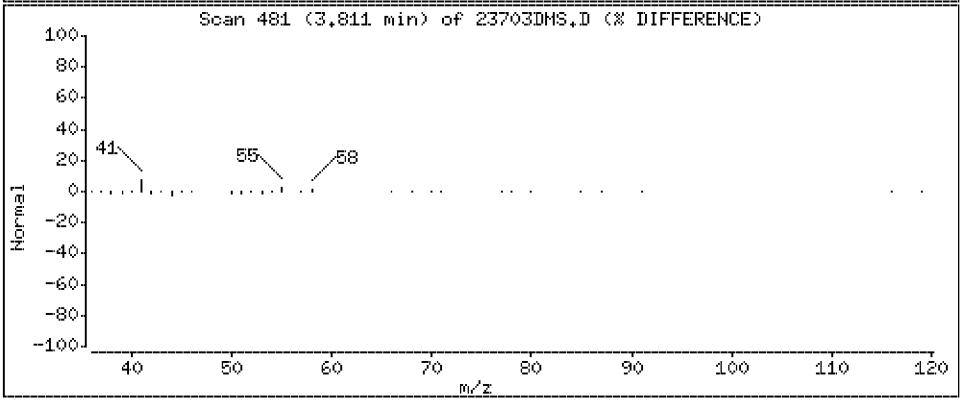
109 t-Butyl-Alcohol

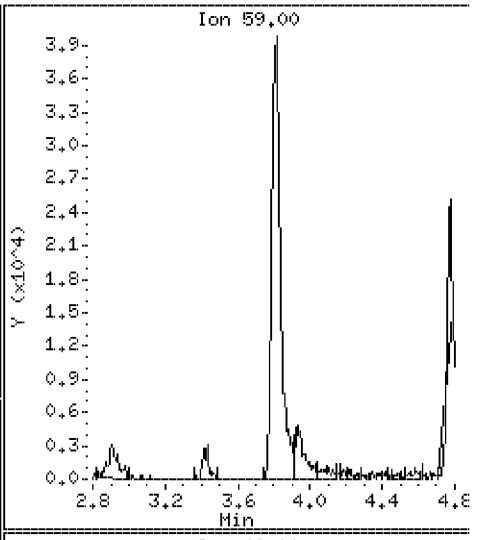
Concentration: 948 ug/l

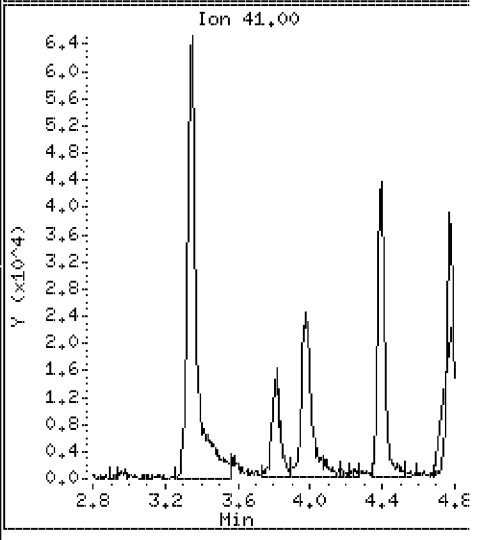












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

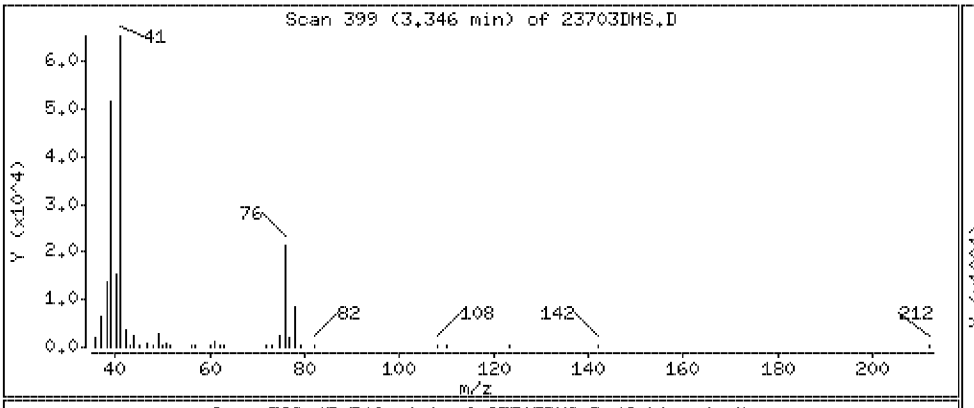
Operator:

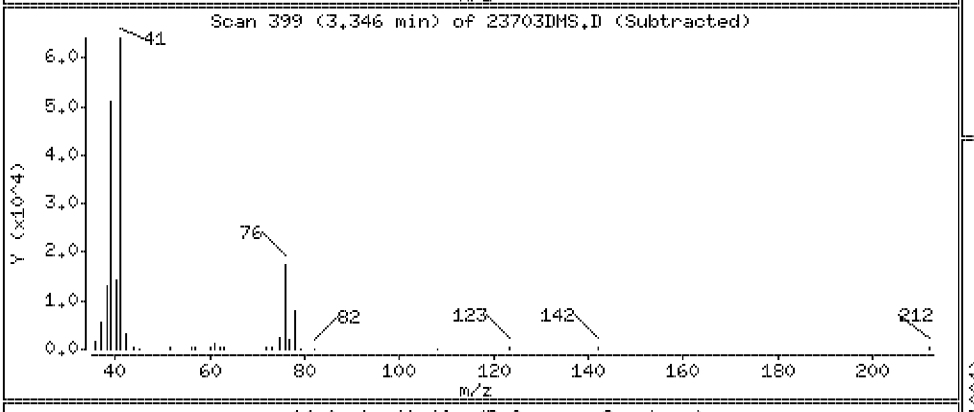
Column phase: RTX-502.2

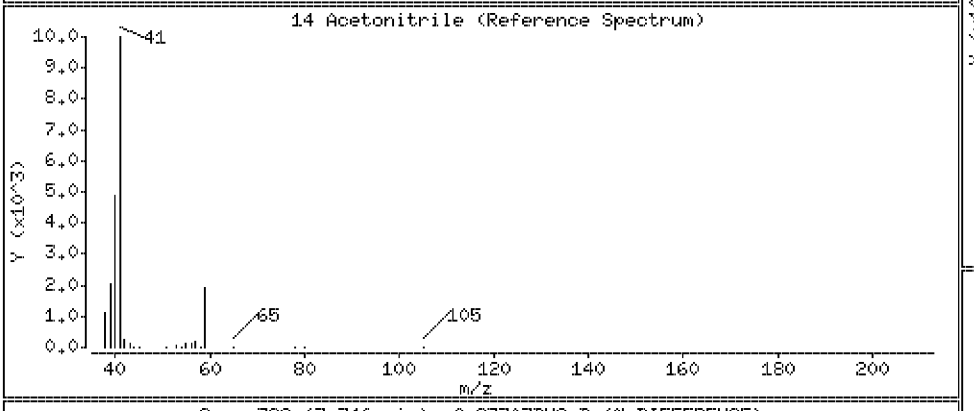
Column diameter: 0.18

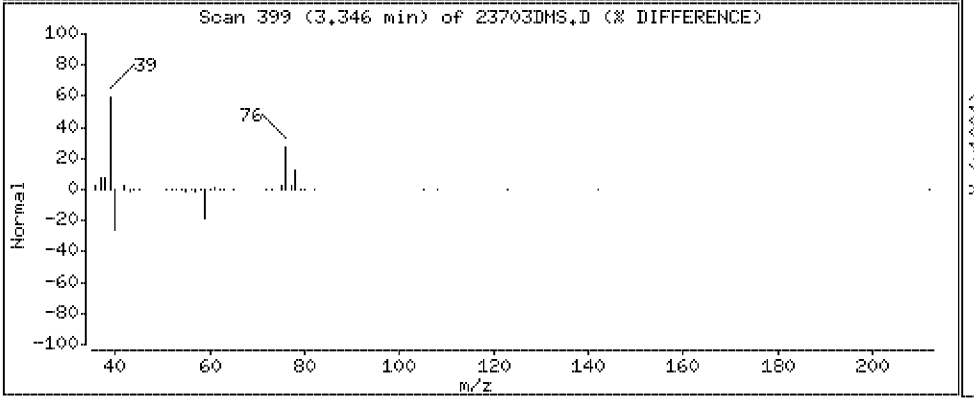
14 Acetonitrile

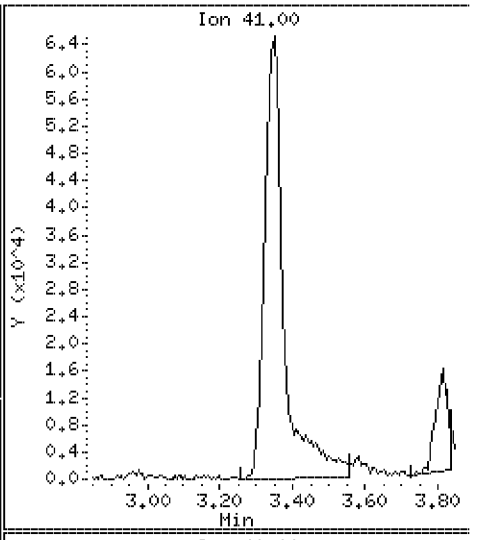
Concentration: 577 ug/l

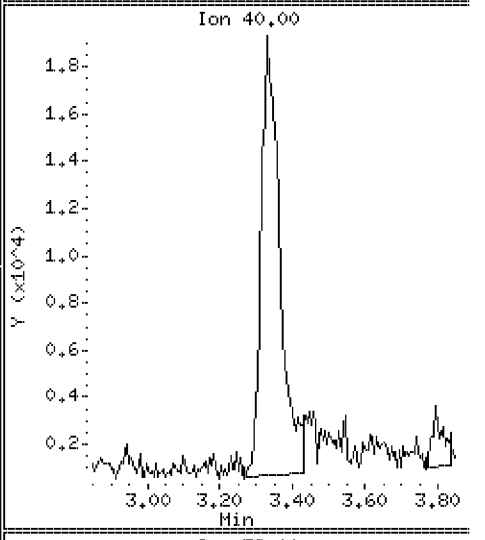


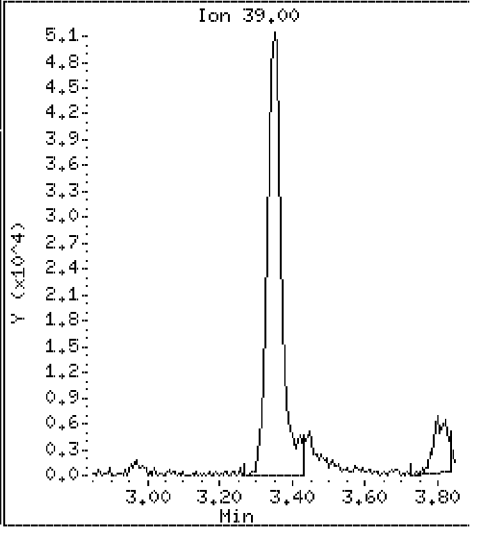












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

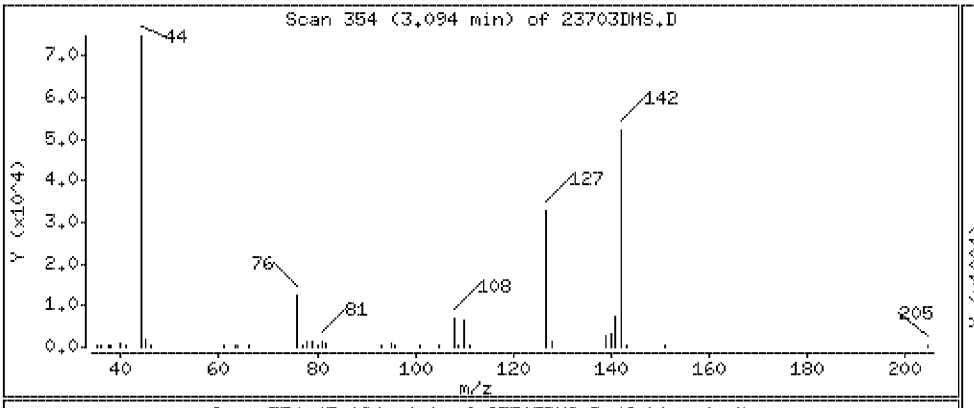
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

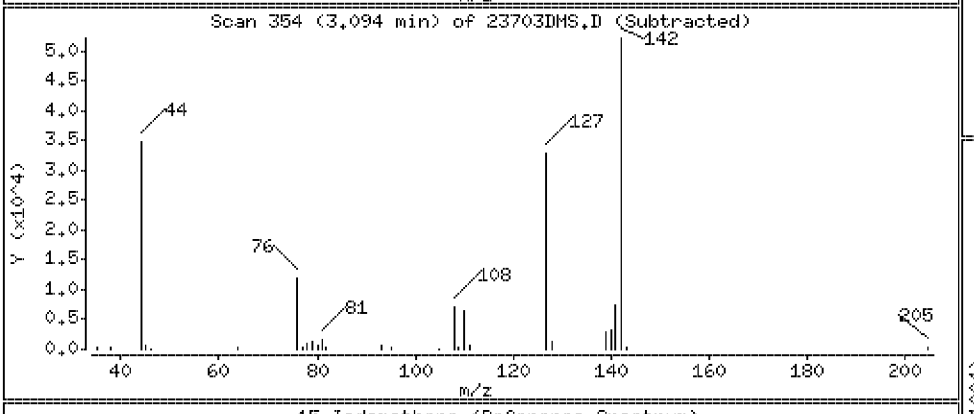
Sample Info: 350023703;3500237;5;

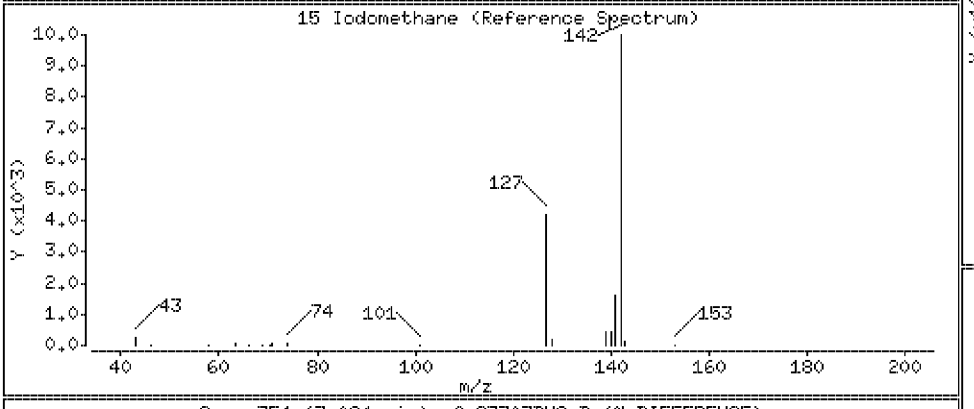
Purge Volume: 5.0 Operator:

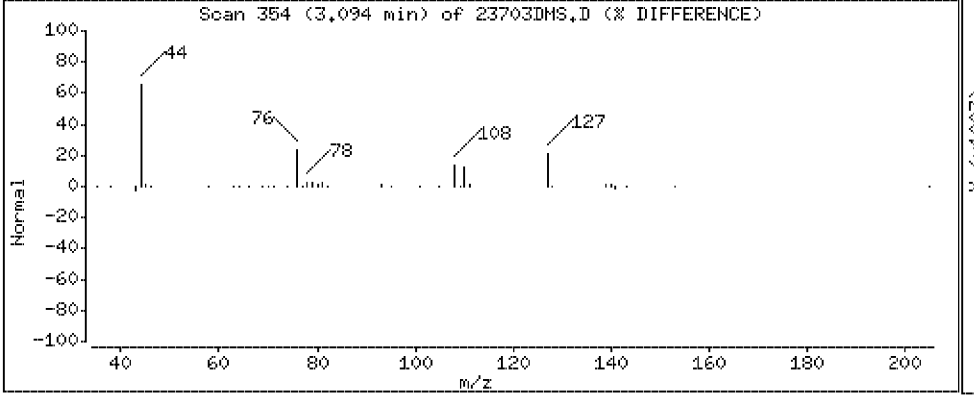
Column phase: RTX-502.2 Column diameter: 0.18

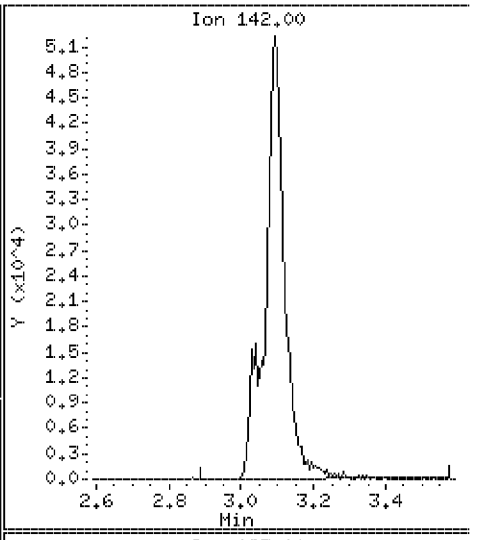
15 Iodomethane Concentration: 69.3 ug/l

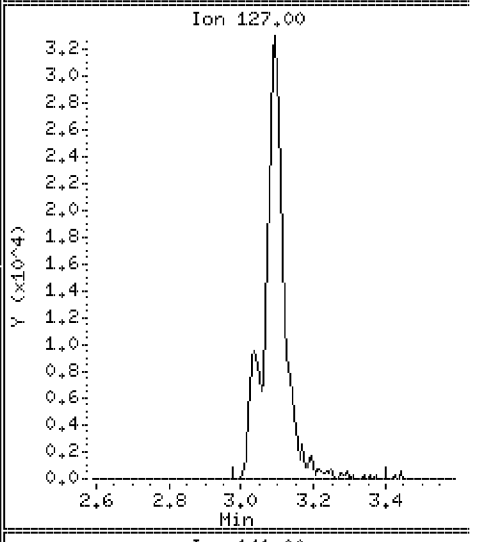


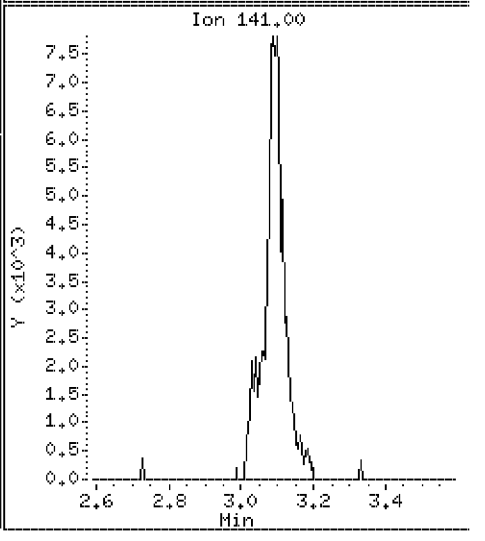












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Date : 27-JUL-2010 15:17

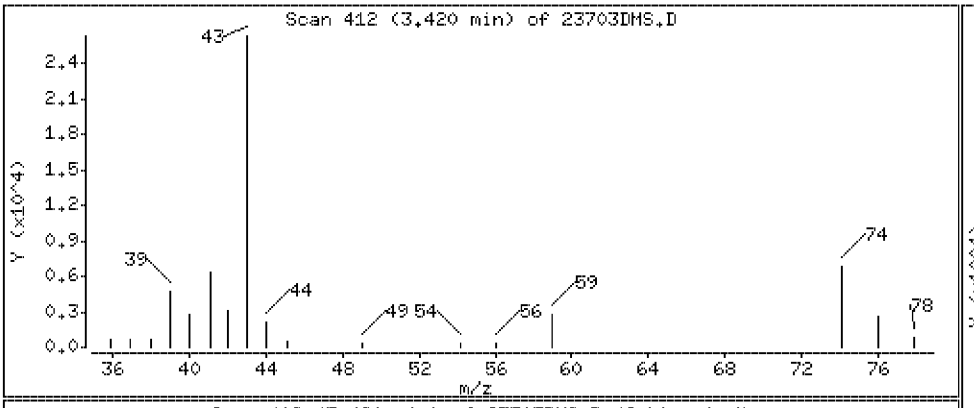
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

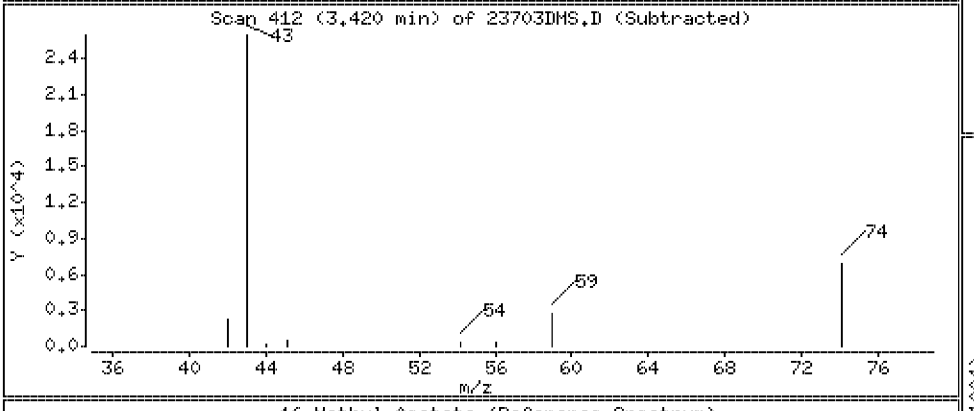
Sample Info: 350023703;3500237;5;

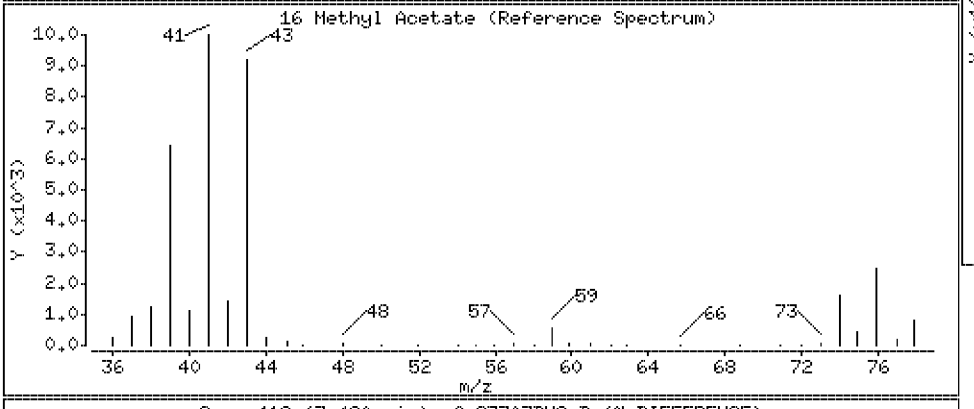
Purge Volume: 5.0 Operator:

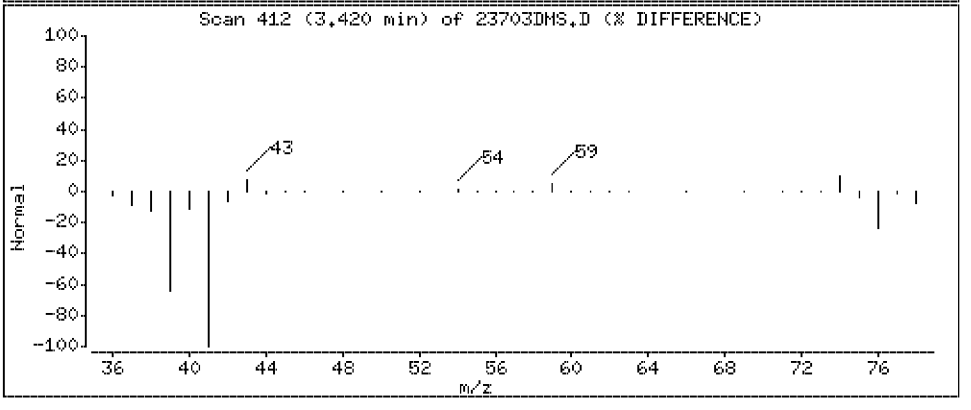
Column phase: RTX-502.2 Column diameter: 0.18

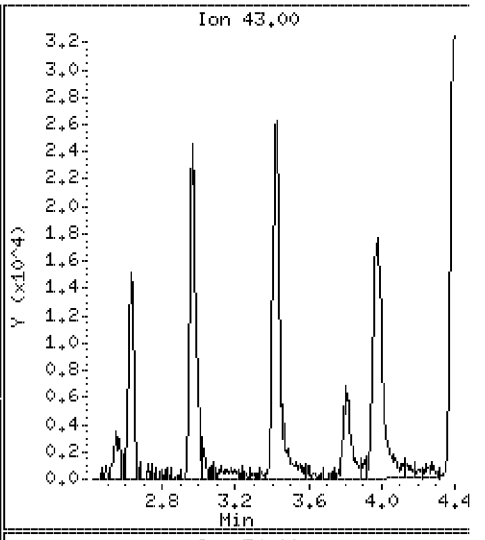
16 Methyl Acetate Concentration: 60.0 ug/l

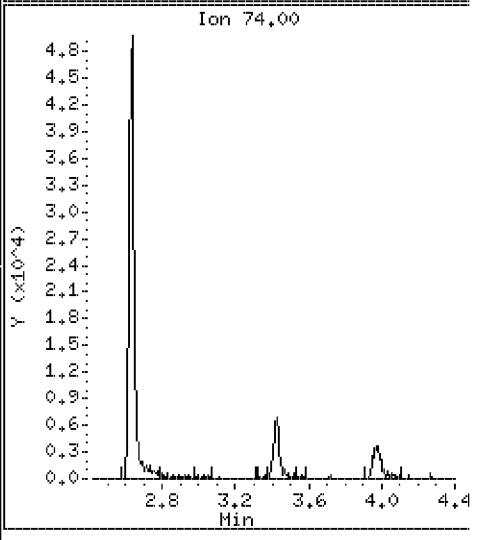












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Date : 27-JUL-2010 15:17

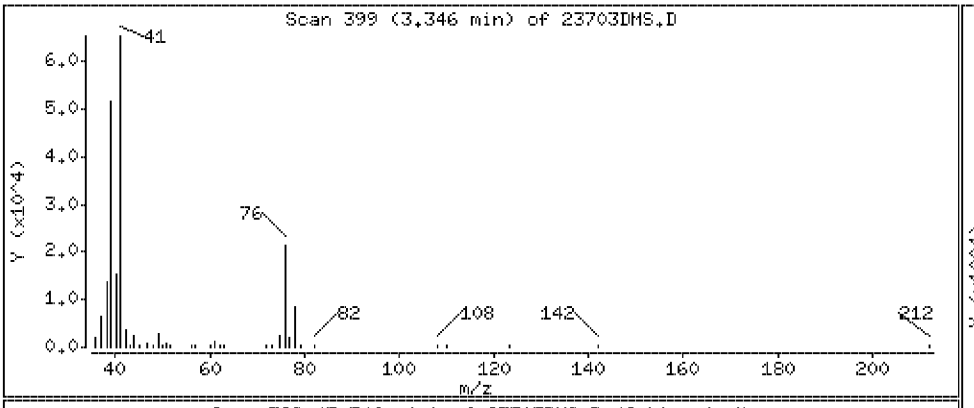
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

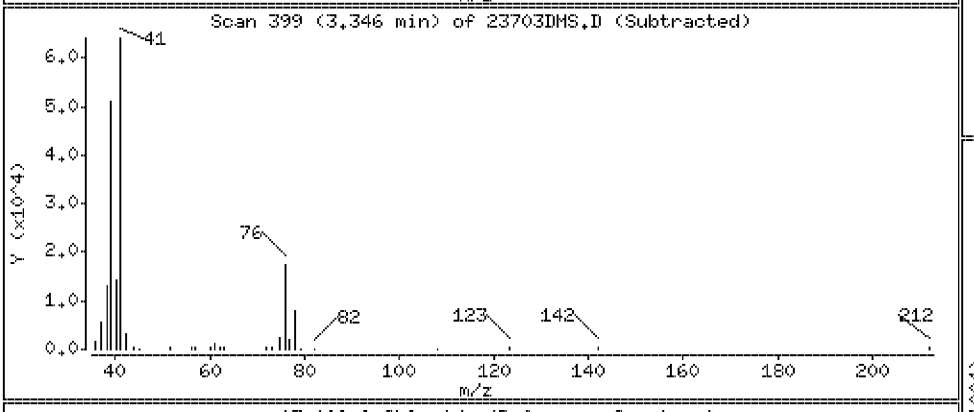
Sample Info: 350023703;3500237;5;

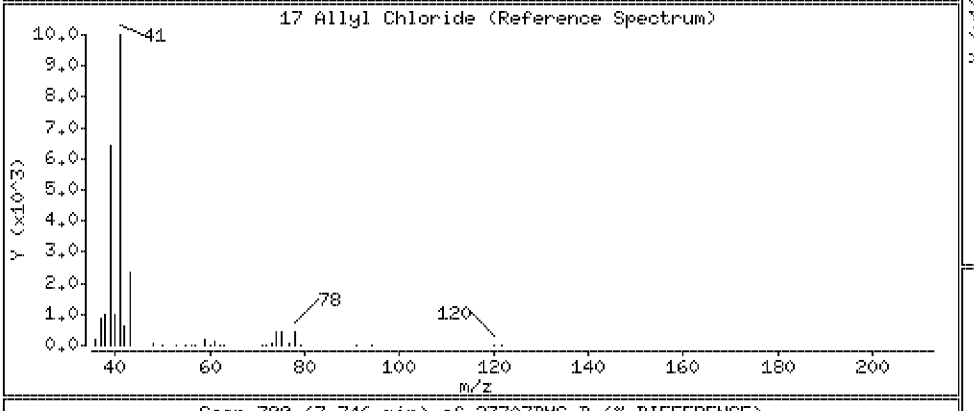
Purge Volume: 5.0 Operator:

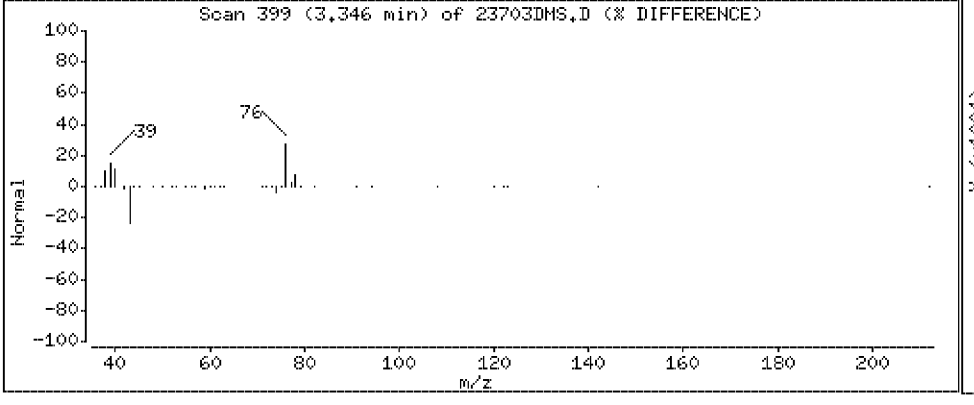
Column phase: RTX-502.2 Column diameter: 0.18

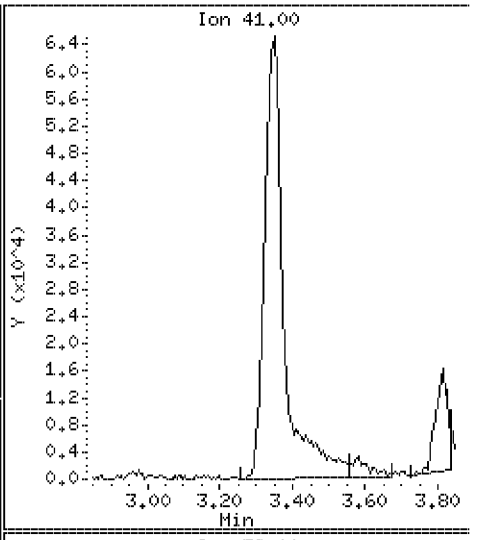
17 Allyl Chloride Concentration: 58.6 ug/l

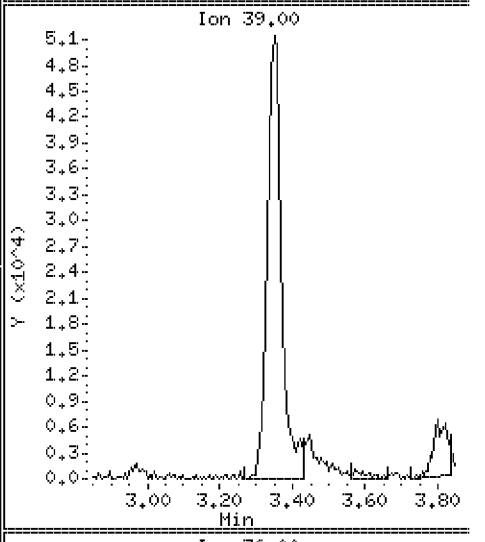


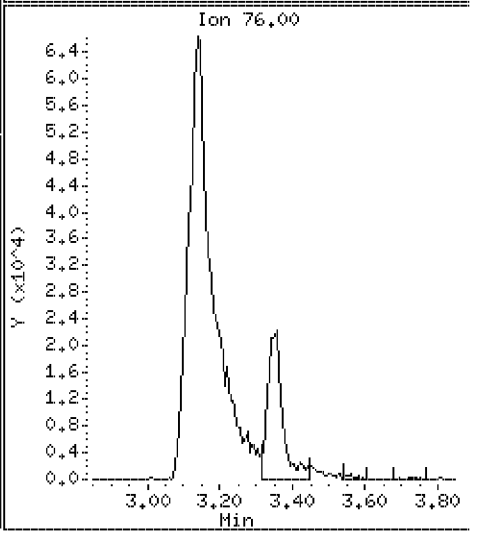












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Date : 27-JUL-2010 15:17

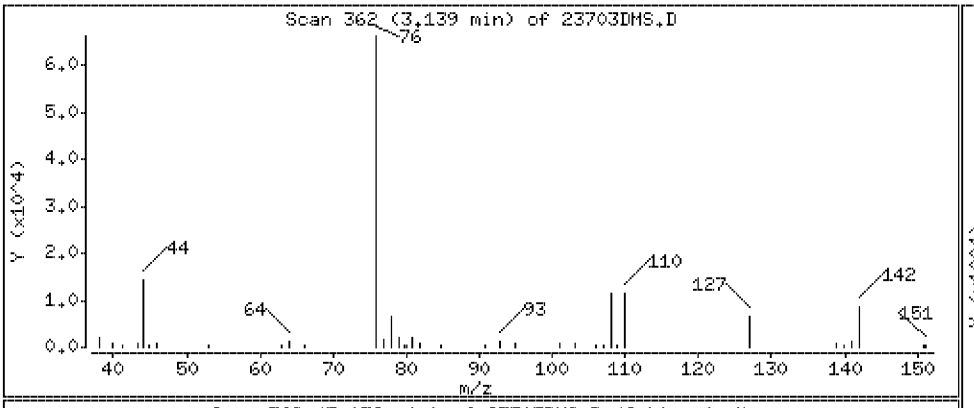
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

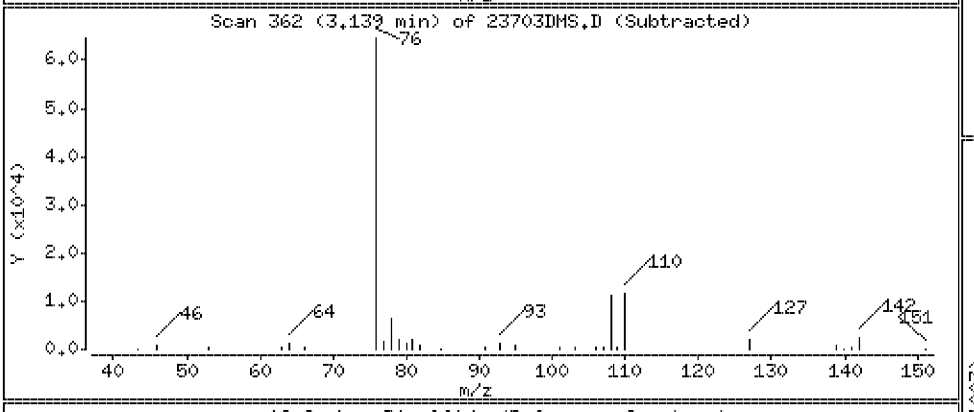
Sample Info: 350023703;3500237;5;

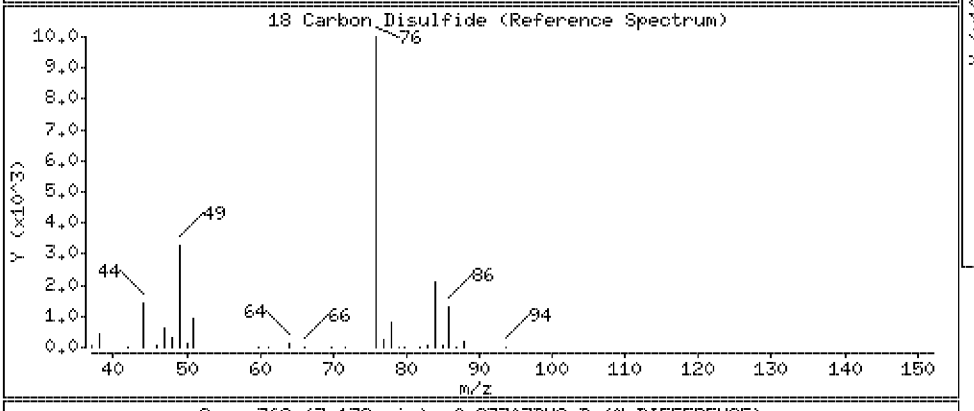
Purge Volume: 5.0 Operator:

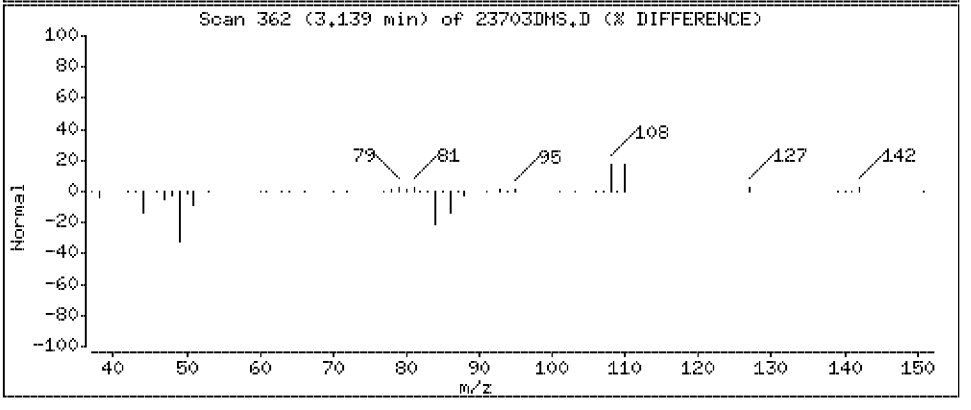
Column phase: RTX-502.2 Column diameter: 0.18

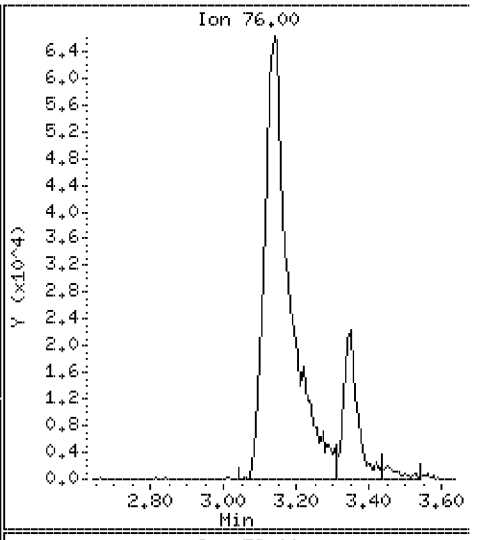
18 Carbon Disulfide Concentration: 61.6 ug/l

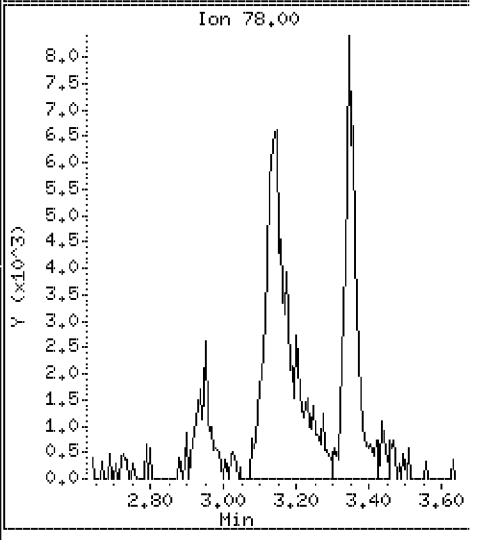












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

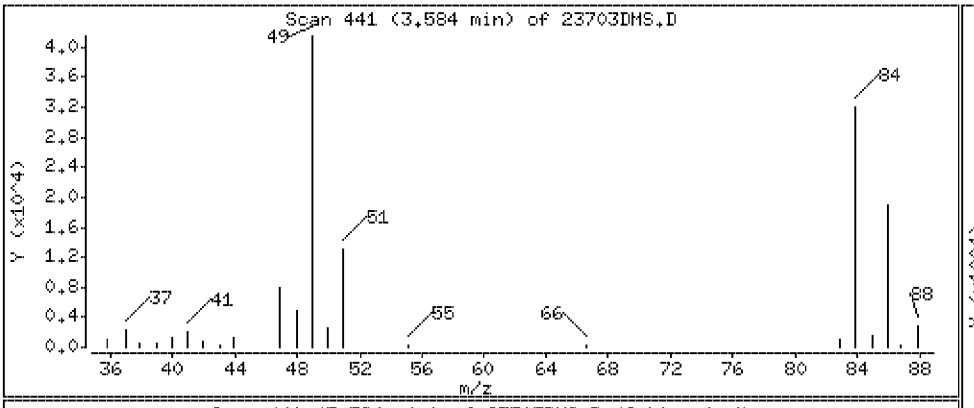
Operator:

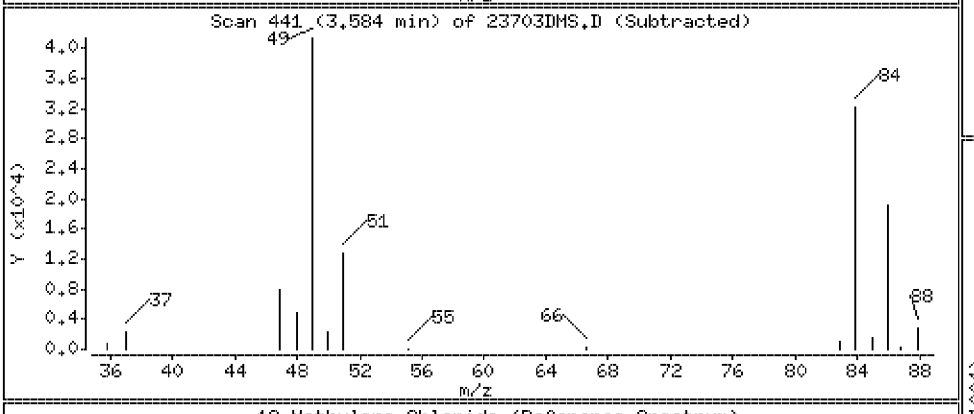
Column phase: RTX-502.2

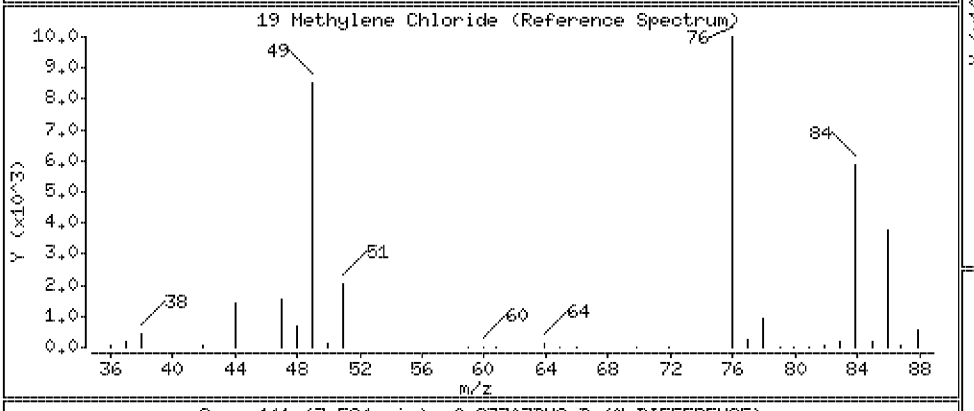
Column diameter: 0.18

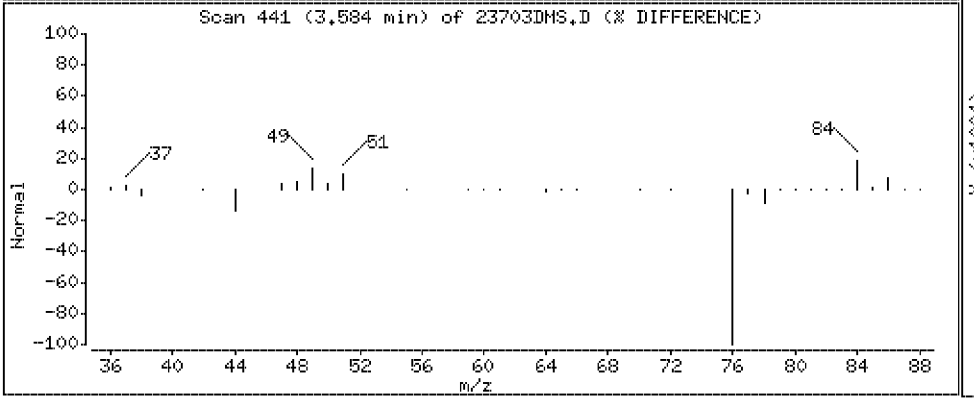
19 Methylene Chloride

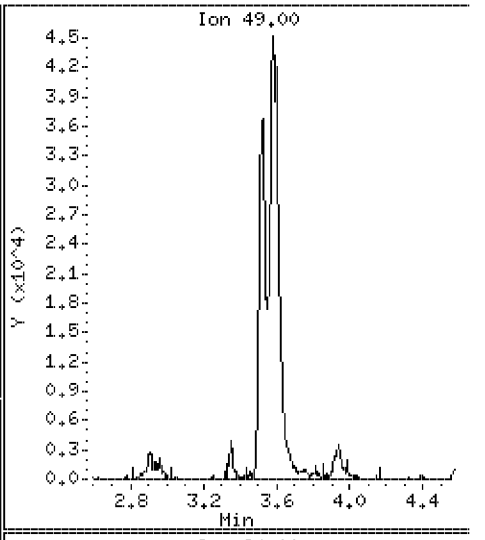
Concentration: 75.3 ug/l

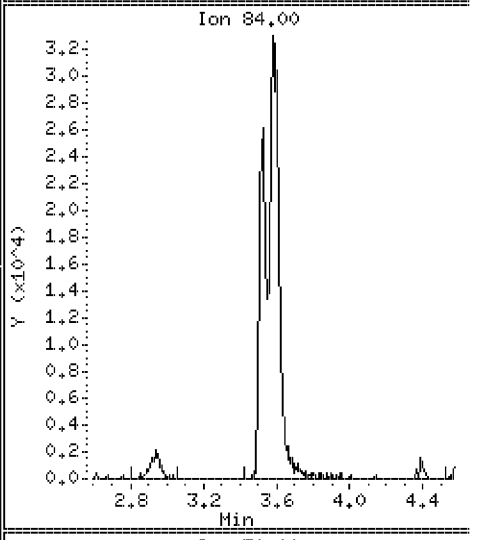


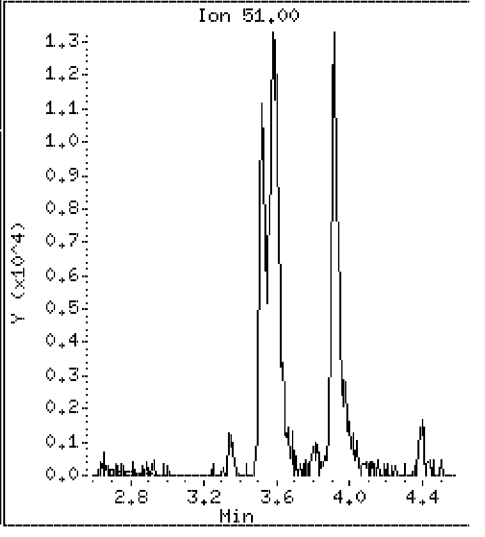












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

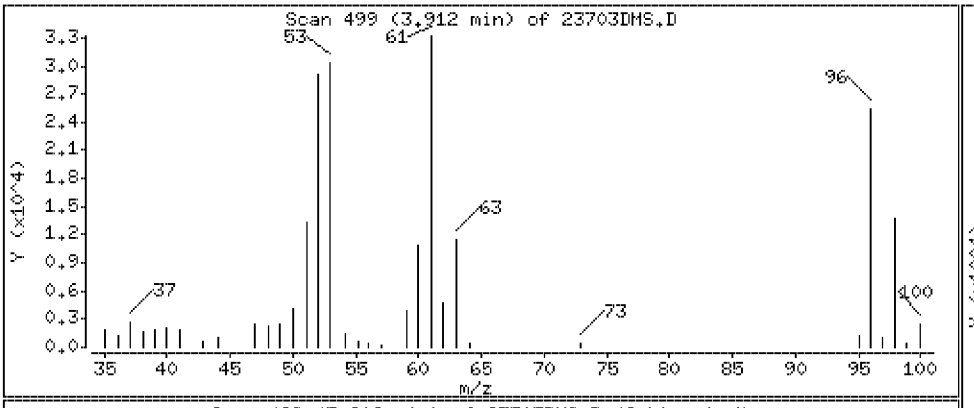
Operator:

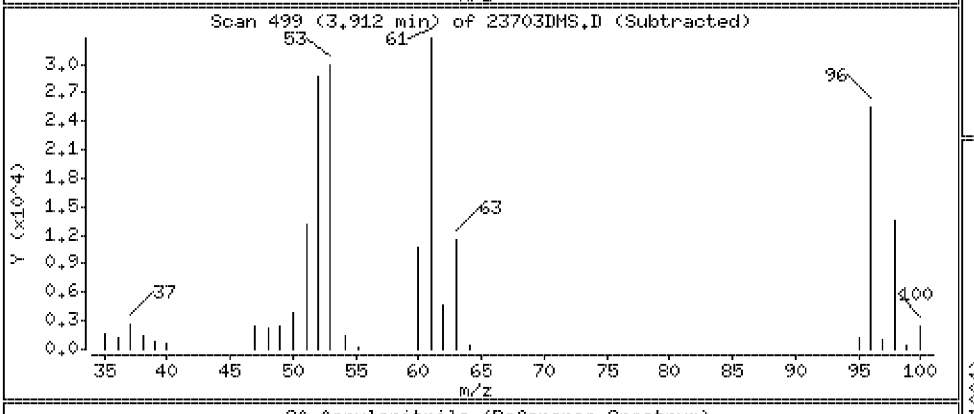
Column phase: RTX-502.2

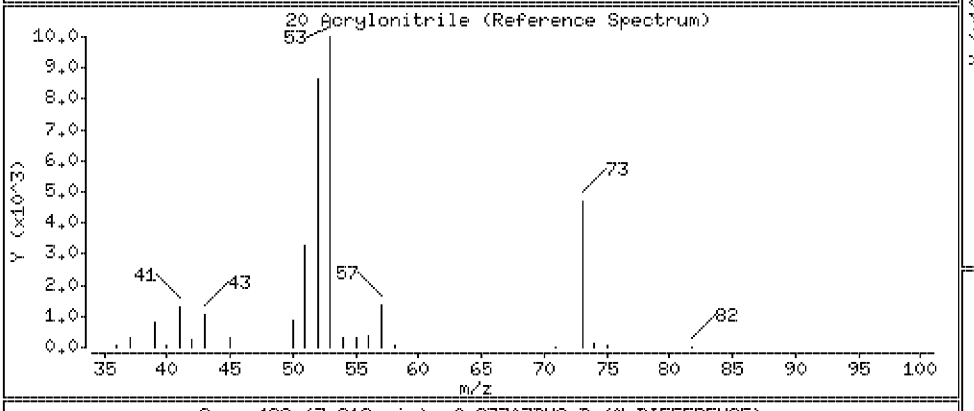
Column diameter: 0.18

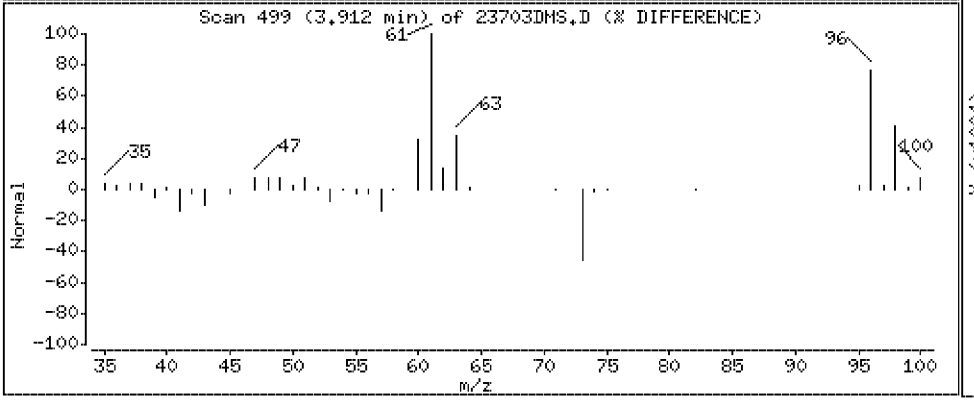
20 Acrylonitrile

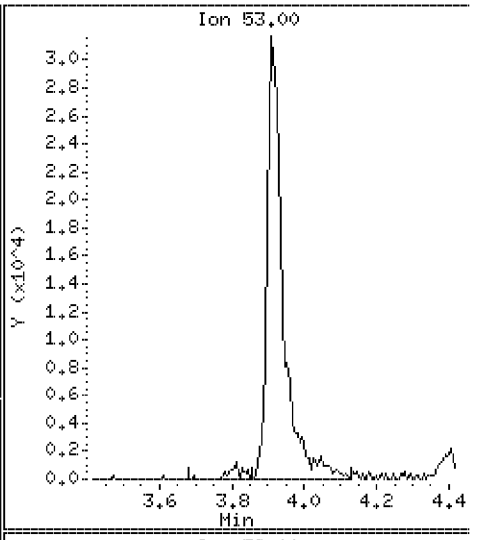
Concentration: 155 ug/l

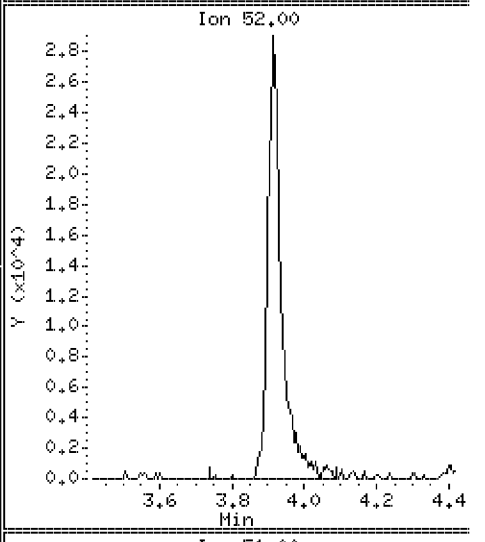


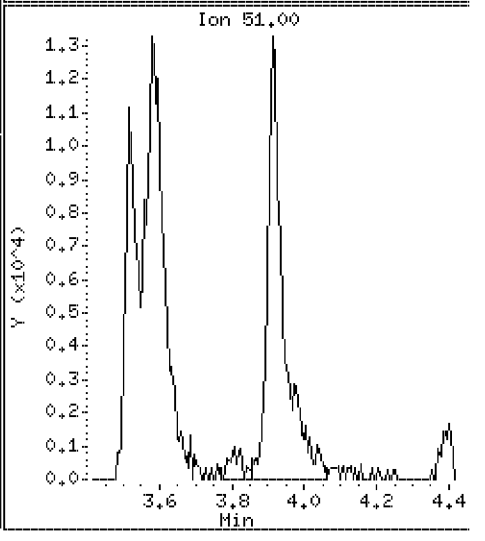












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Date : 27-JUL-2010 15:17

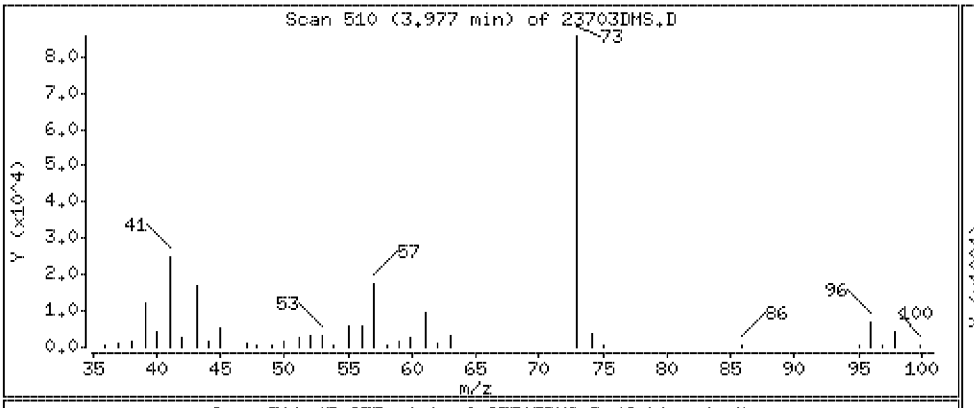
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

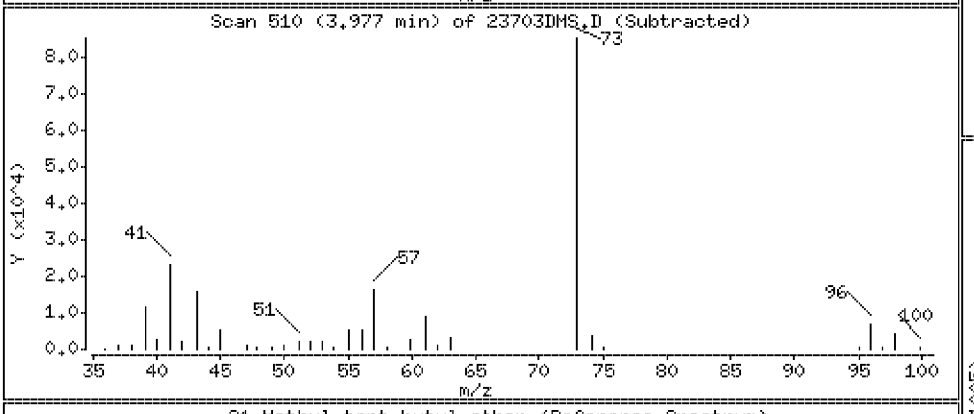
Sample Info: 350023703;3500237;5;

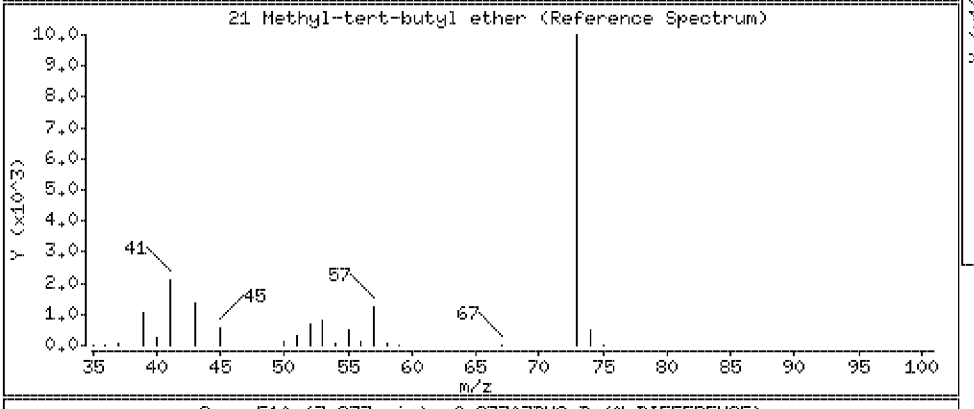
Purge Volume: 5.0 Operator:

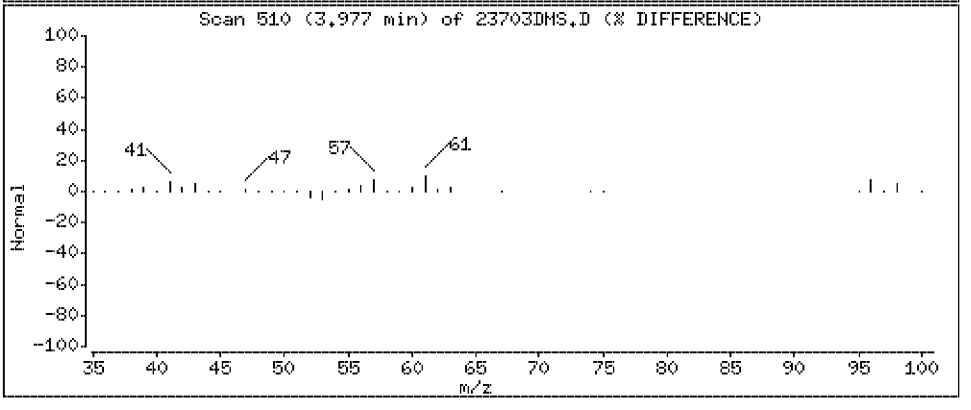
Column phase: RTX-502.2 Column diameter: 0.18

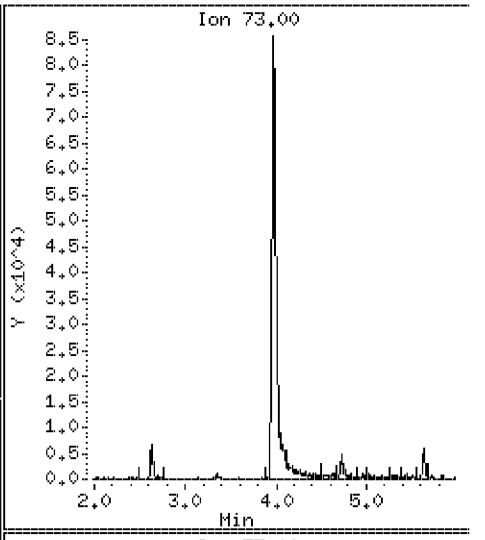
21 Methyl-tert-butyl ether Concentration: 81.7 ug/l

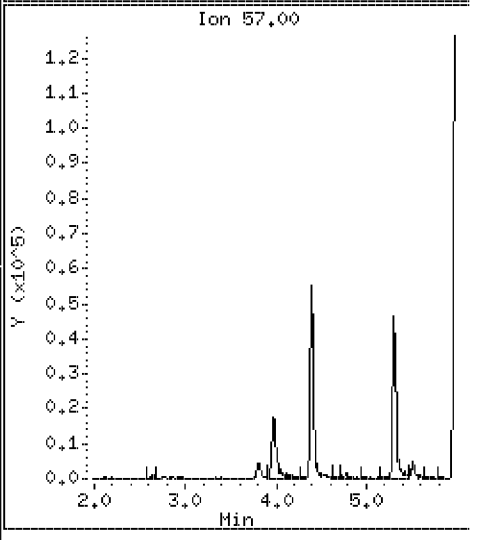












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

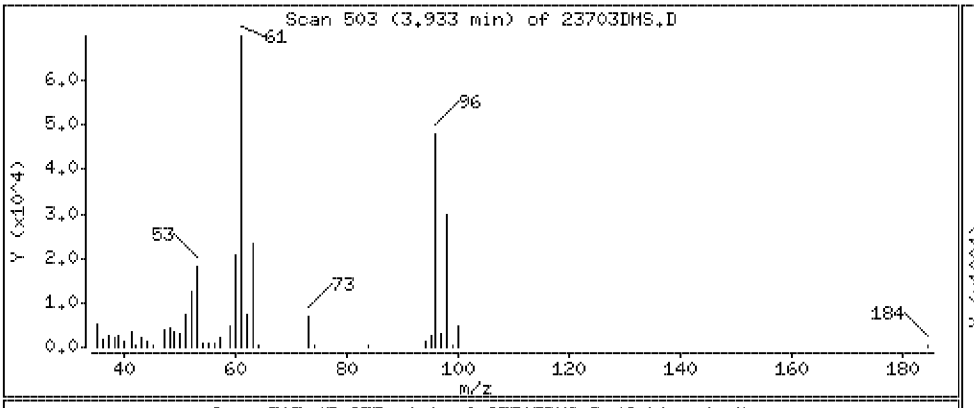
Operator:

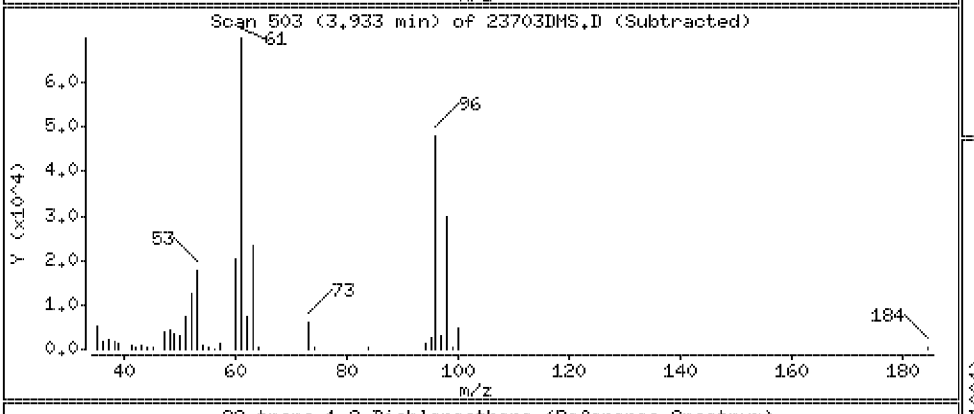
Column phase: RTX-502.2

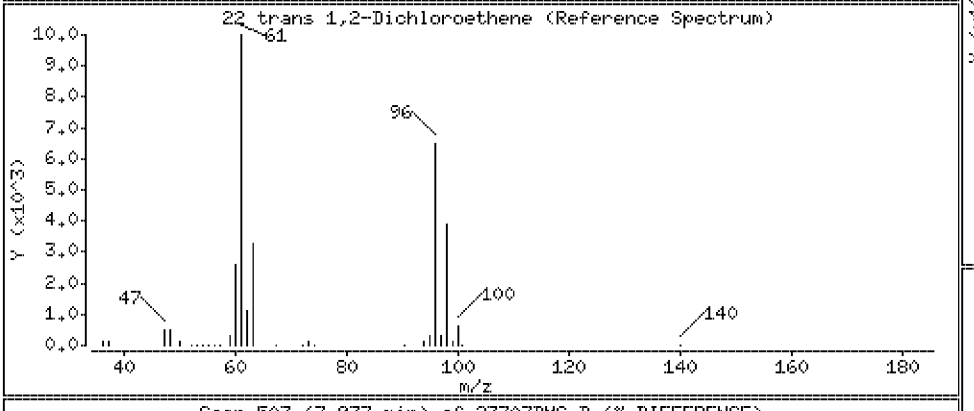
Column diameter: 0.18

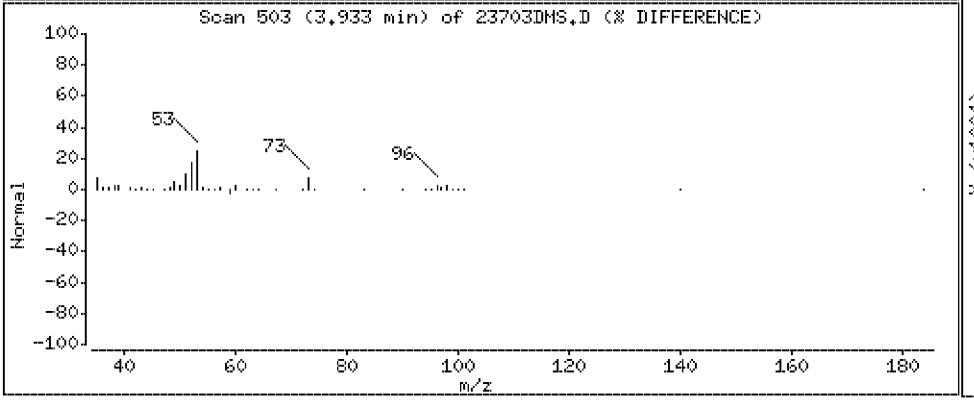
22 trans 1,2-Dichloroethene

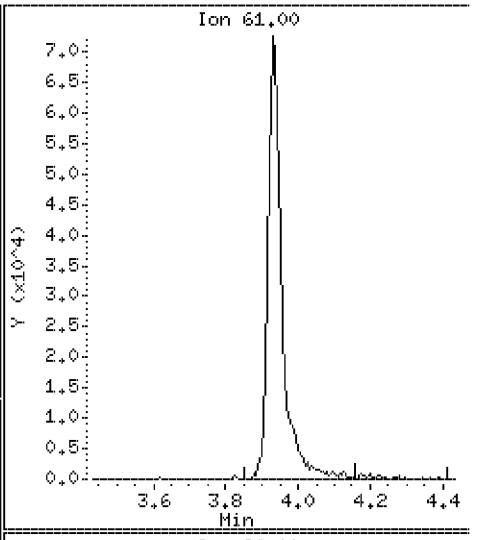
Concentration: 77.0 ug/l

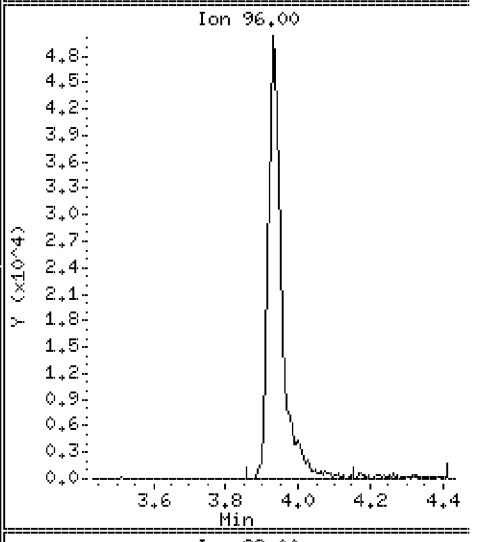


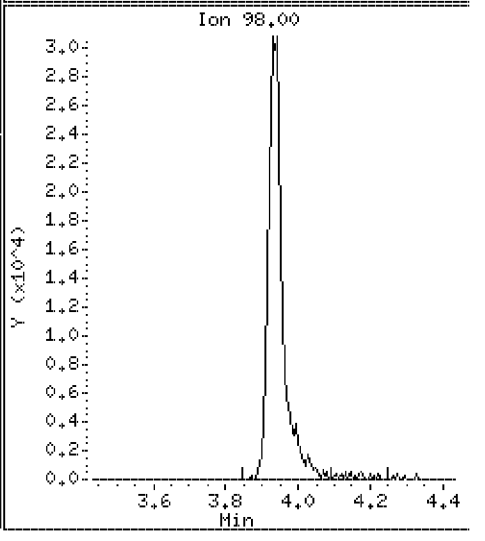












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

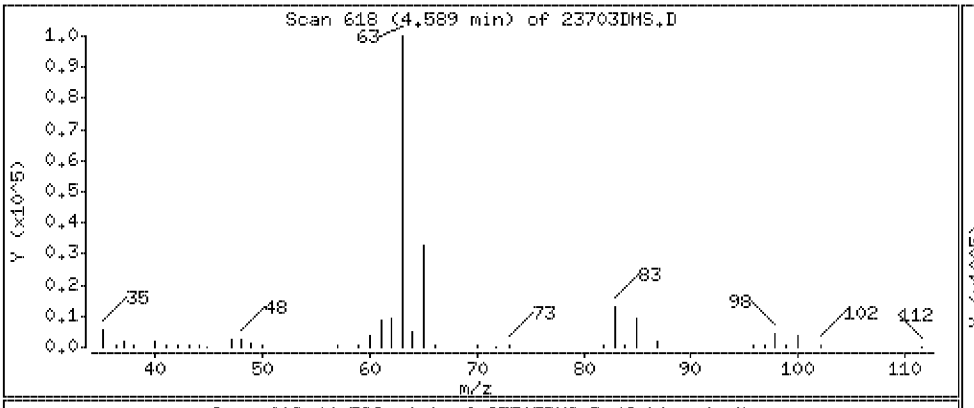
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

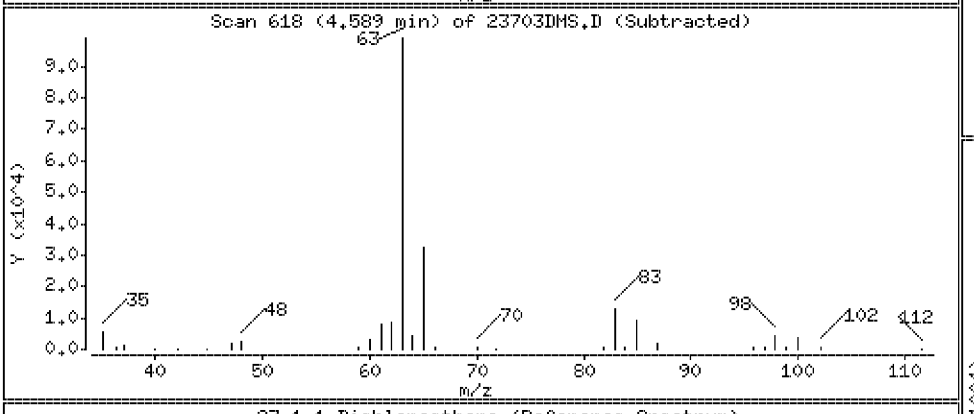
Sample Info: 350023703;3500237;5;

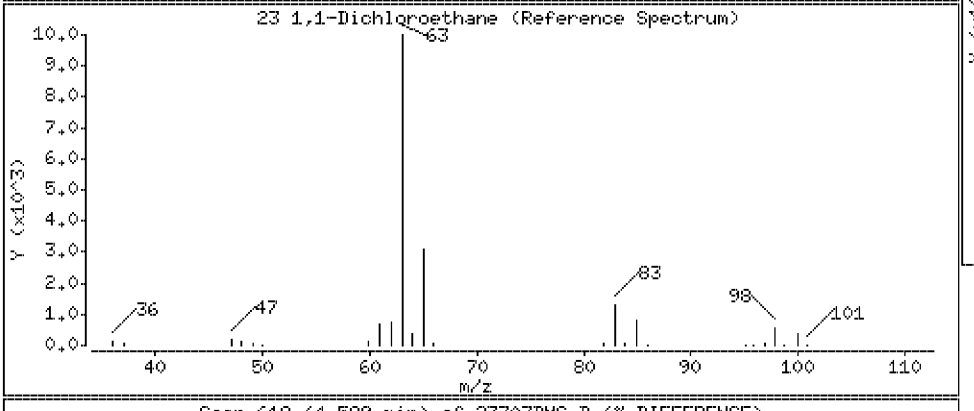
Purge Volume: 5.0 Operator:

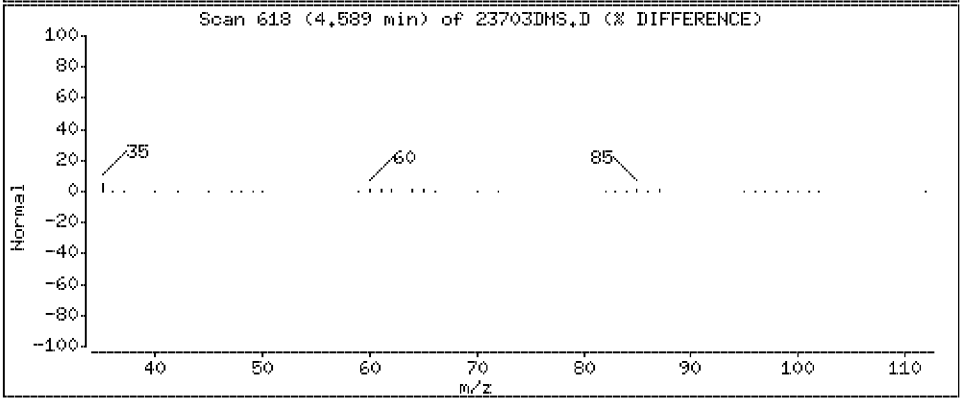
Column phase: RTX-502.2 Column diameter: 0.18

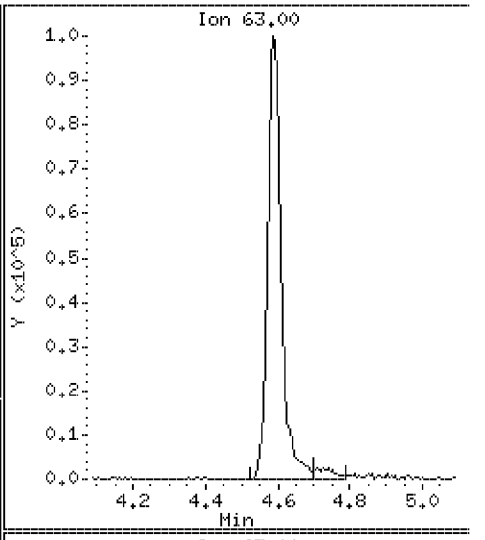
23 1,1-Dichloroethane Concentration: 83.0 ug/l

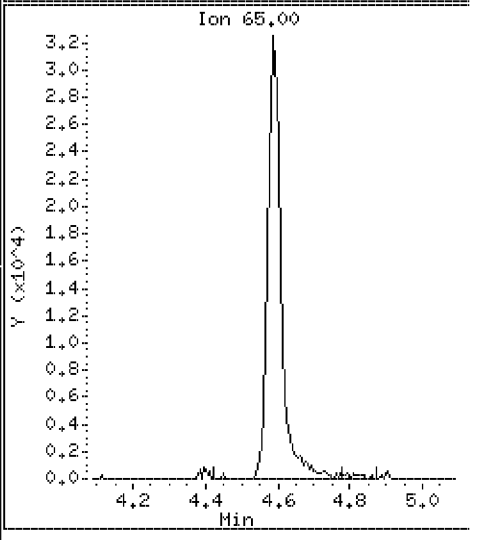












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

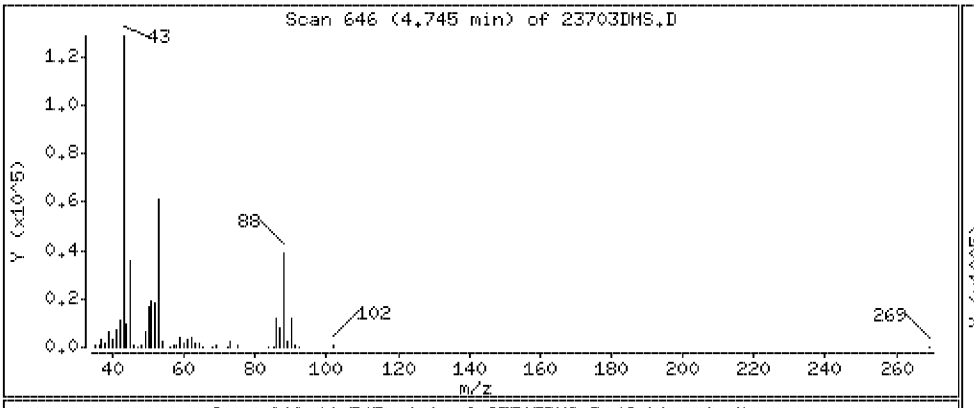
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

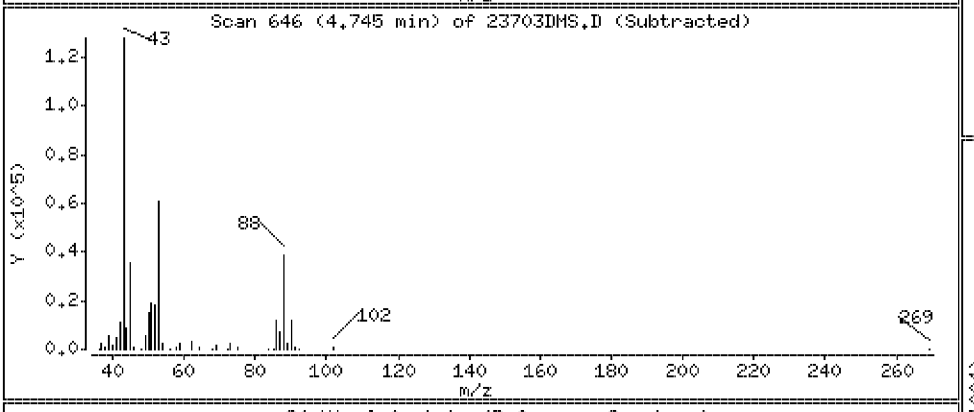
Sample Info: 350023703;3500237;5;

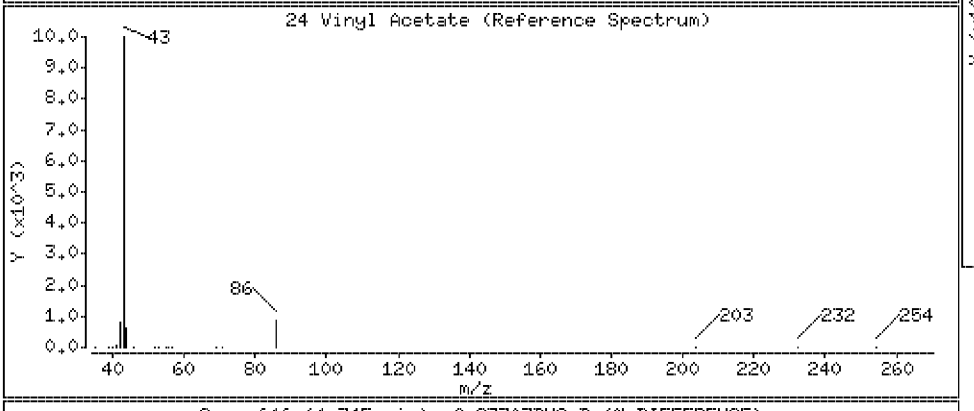
Purge Volume: 5.0 Operator:

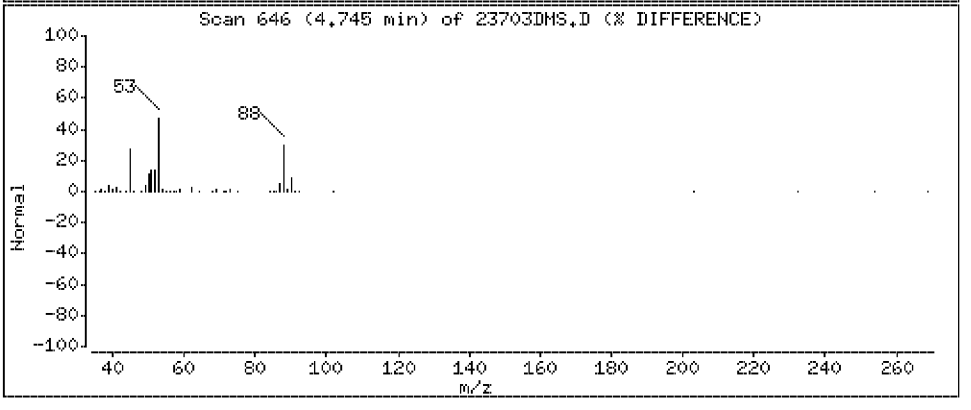
Column phase: RTX-502.2 Column diameter: 0.18

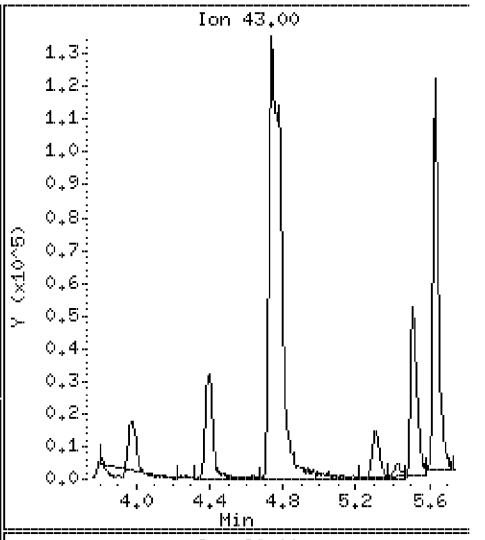
24 Vinyl Acetate Concentration: 105 ug/l

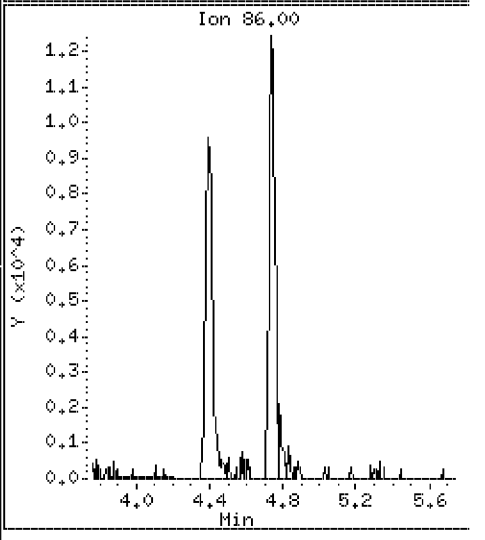












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Date : 27-JUL-2010 15:17

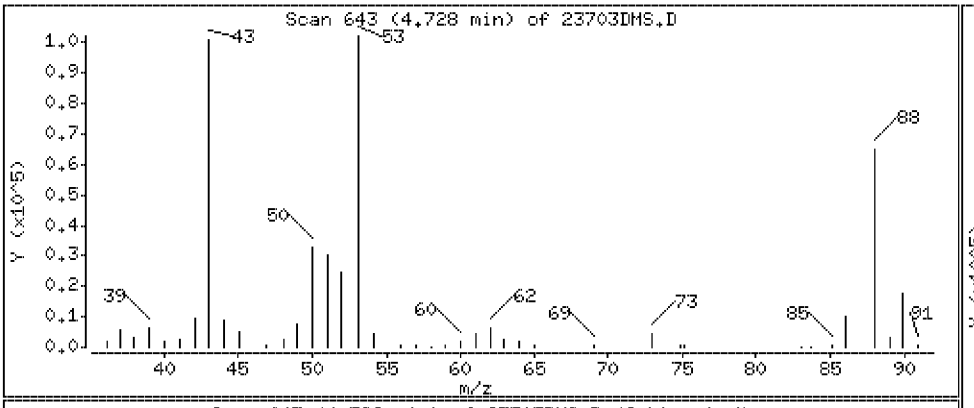
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

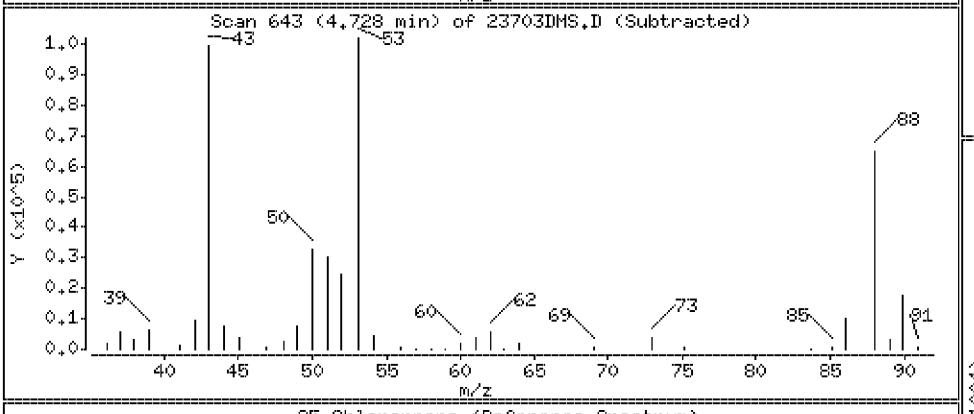
Sample Info: 350023703;3500237;5;

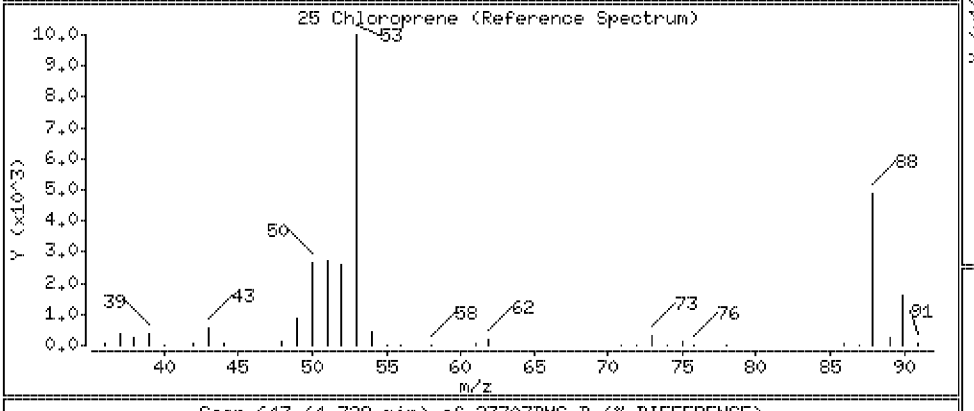
Purge Volume: 5.0 Operator:

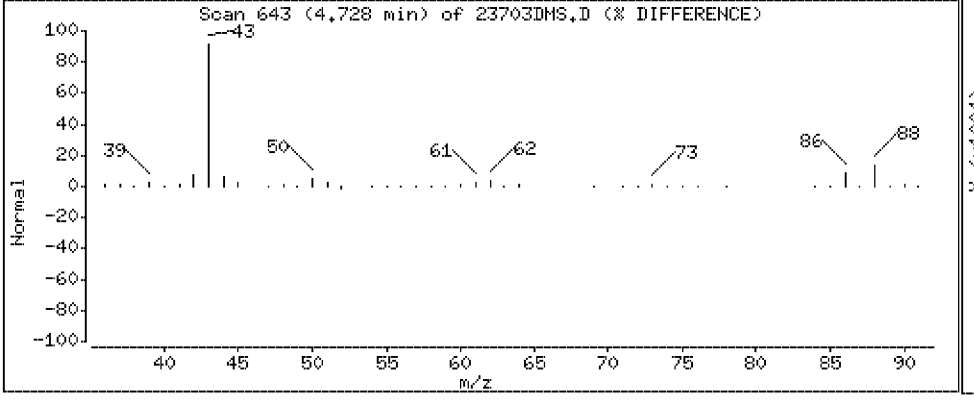
Column phase: RTX-502.2 Column diameter: 0.18

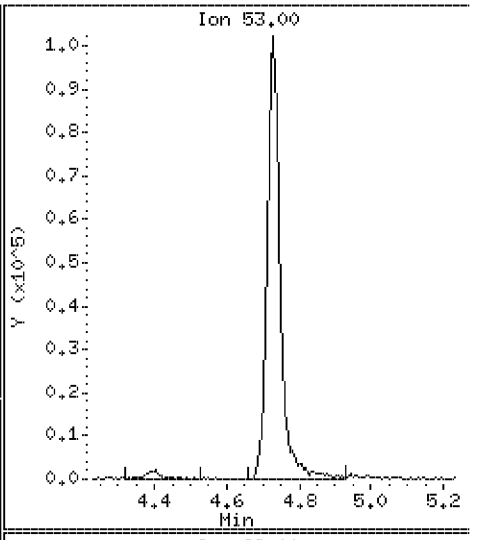
25 Chloroprene Concentration: 104 ug/l

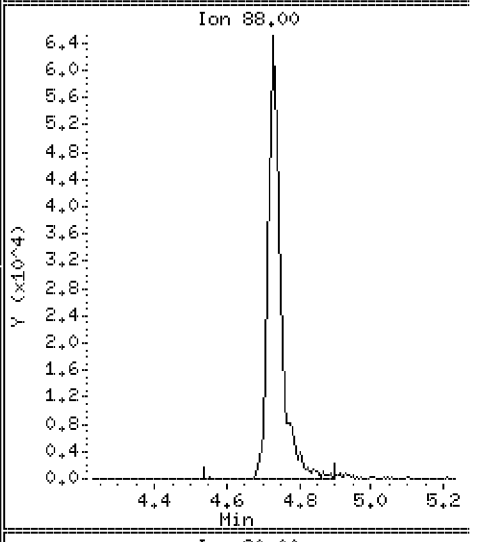


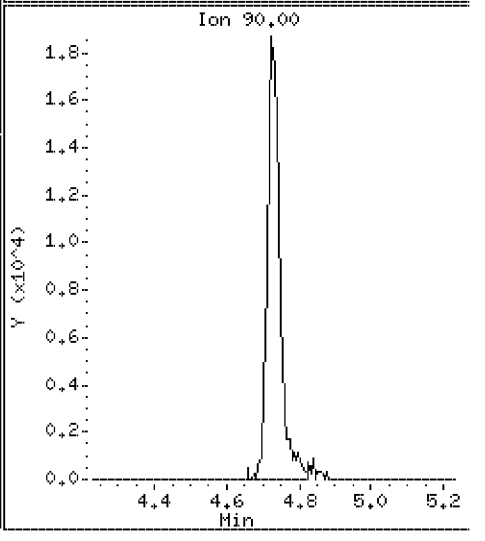












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

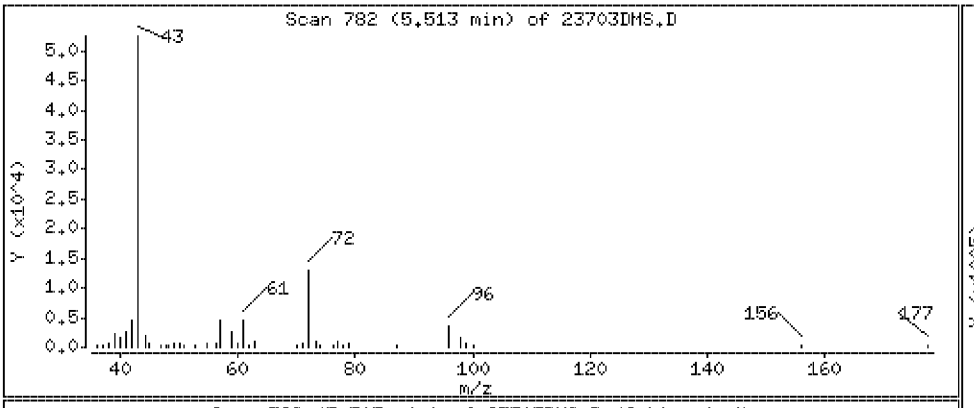
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

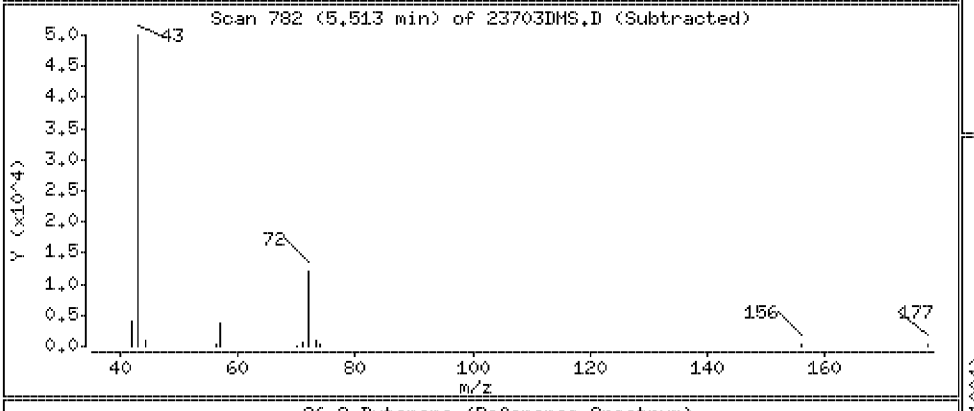
Sample Info: 350023703;3500237;5;

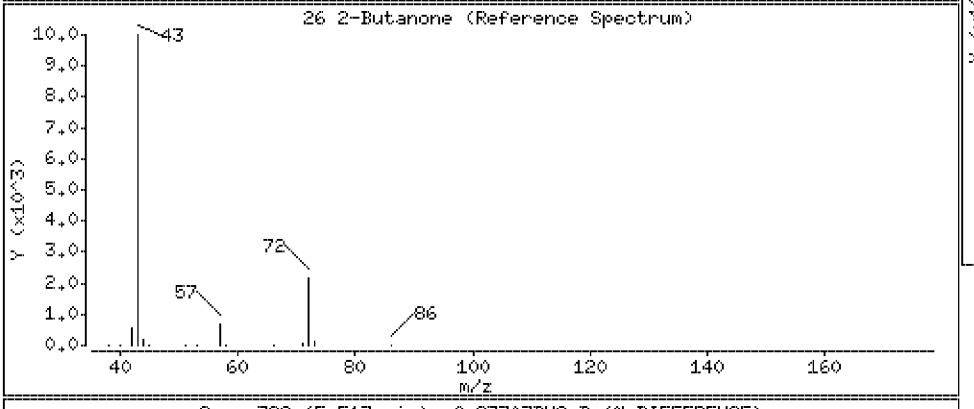
Purge Volume: 5.0 Operator:

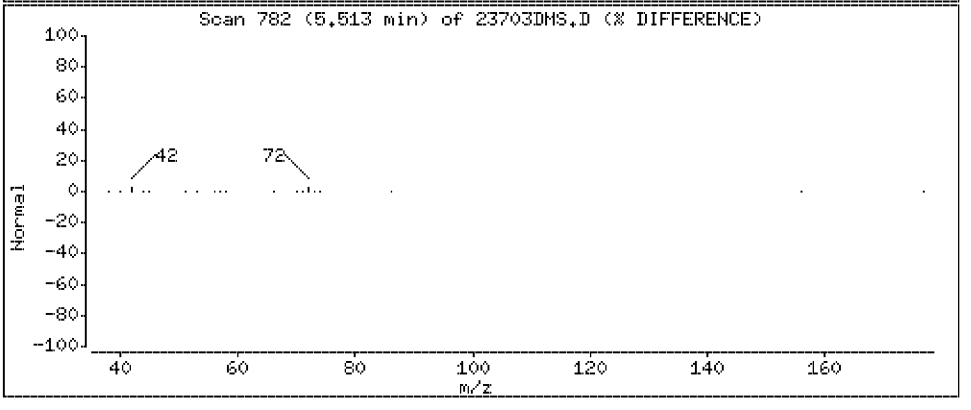
Column phase: RTX-502.2 Column diameter: 0.18

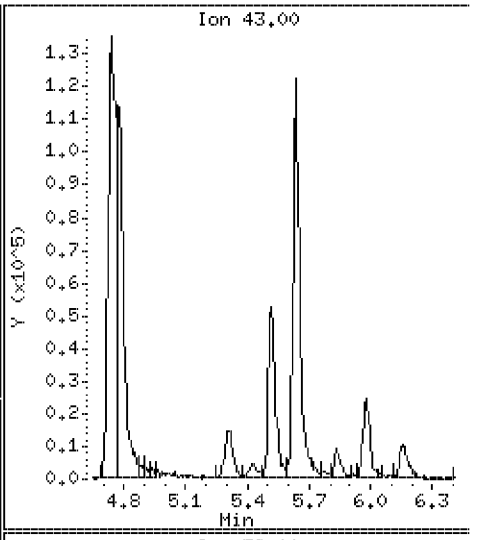
26 2-Butanone Concentration: 203 ug/l

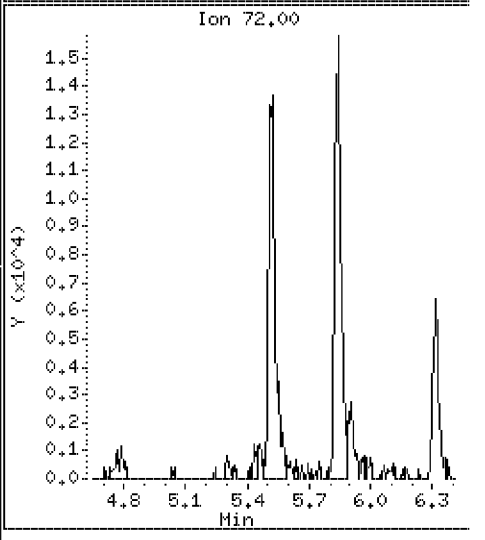












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

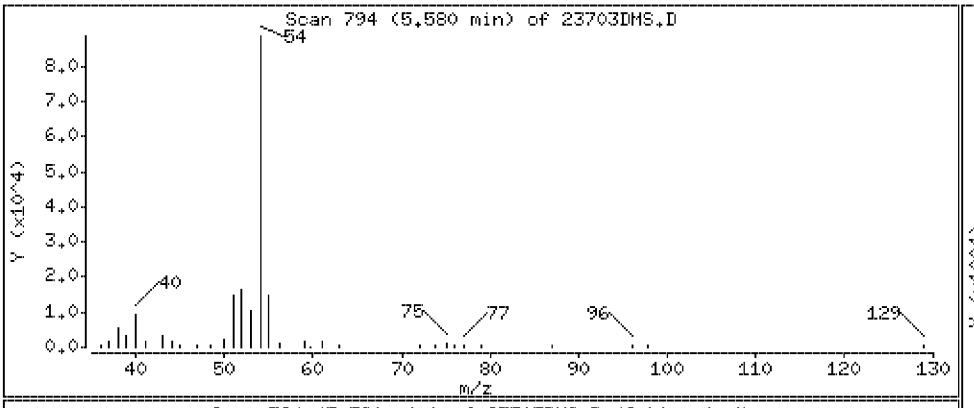
Operator:

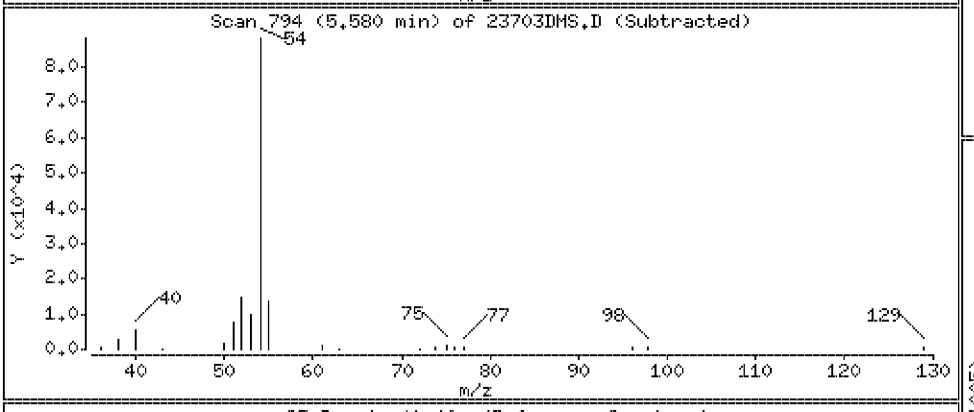
Column phase: RTX-502.2

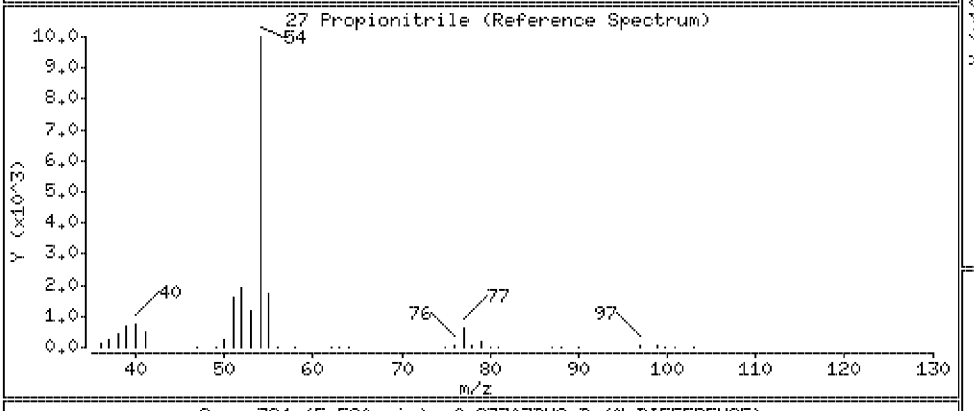
Column diameter: 0.18

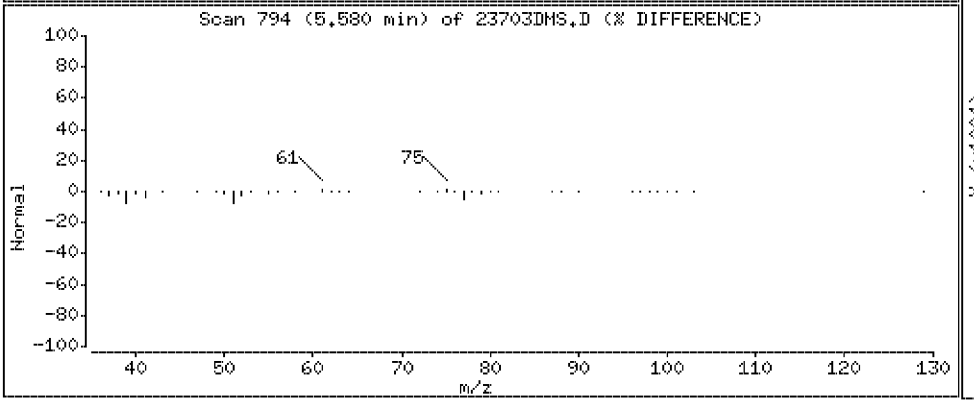
27 Propionitrile

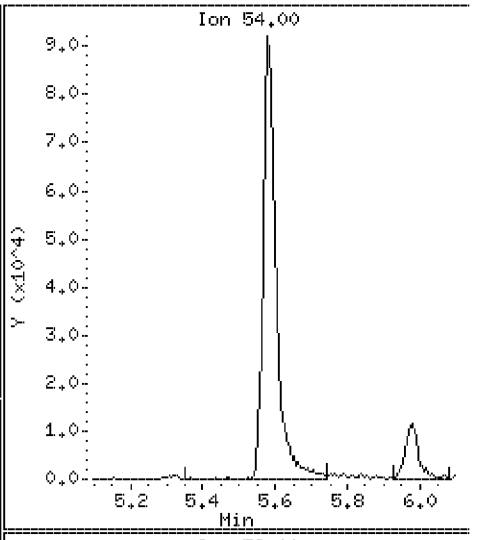
Concentration: 1060 ug/l

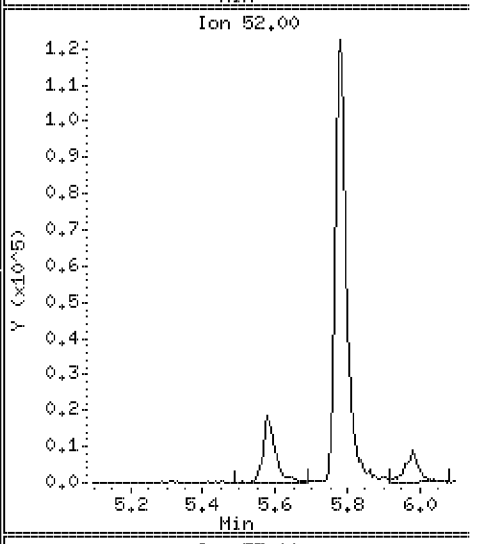


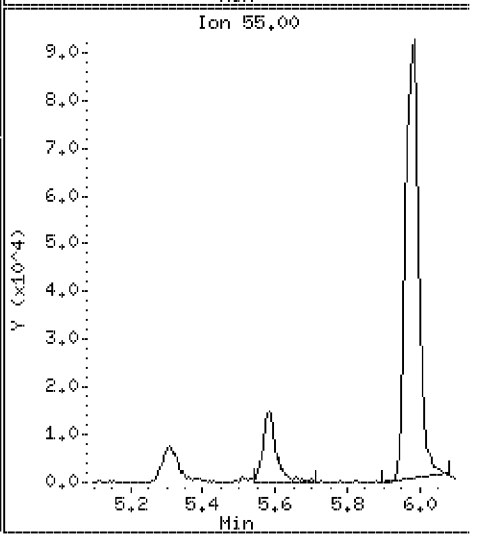












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

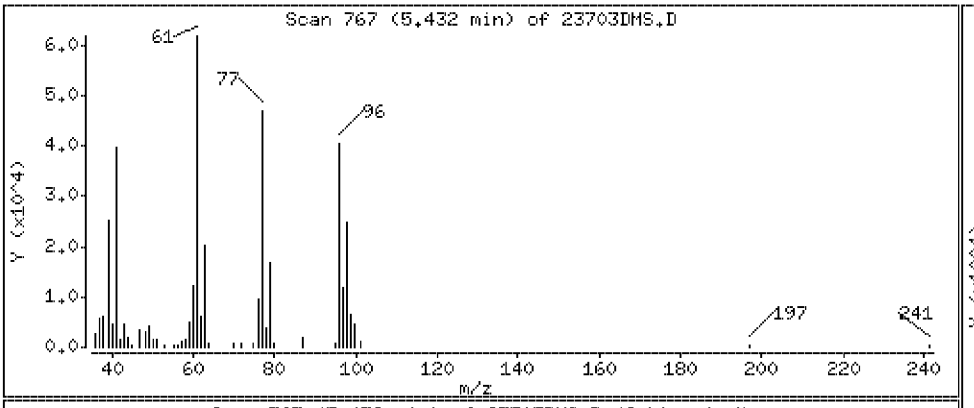
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

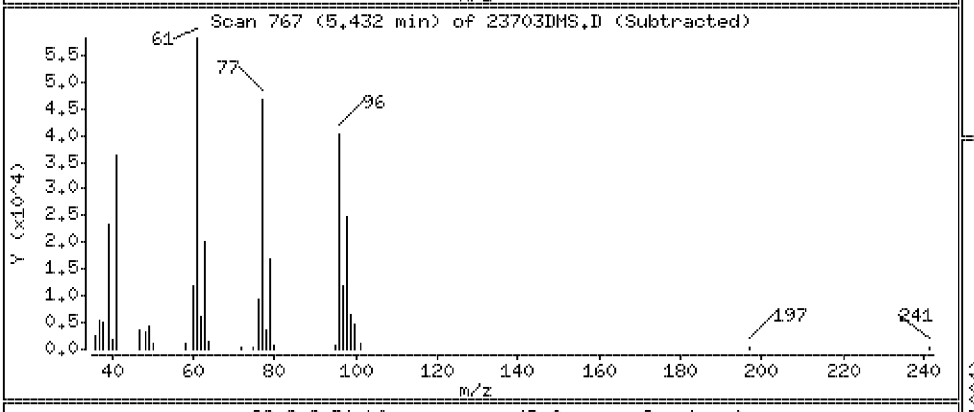
Sample Info: 350023703;3500237;5;

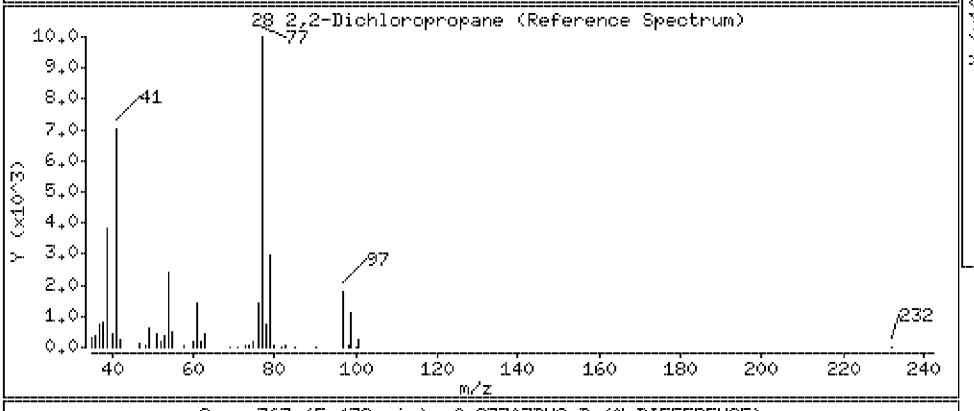
Purge Volume: 5.0 Operator:

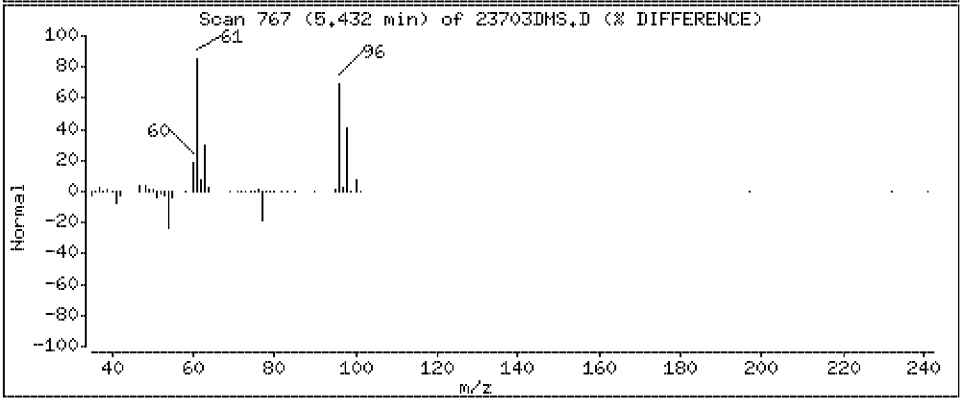
Column phase: RTX-502.2 Column diameter: 0.18

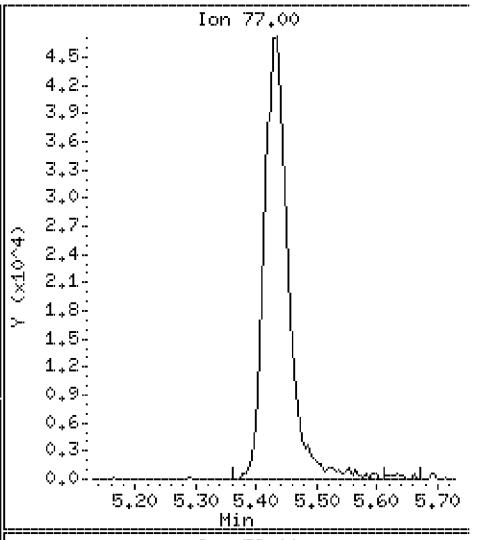
28 2,2-Dichloropropane Concentration: 102 ug/l

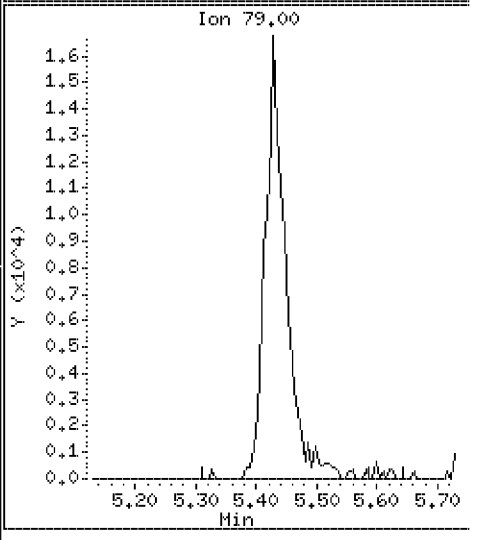












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

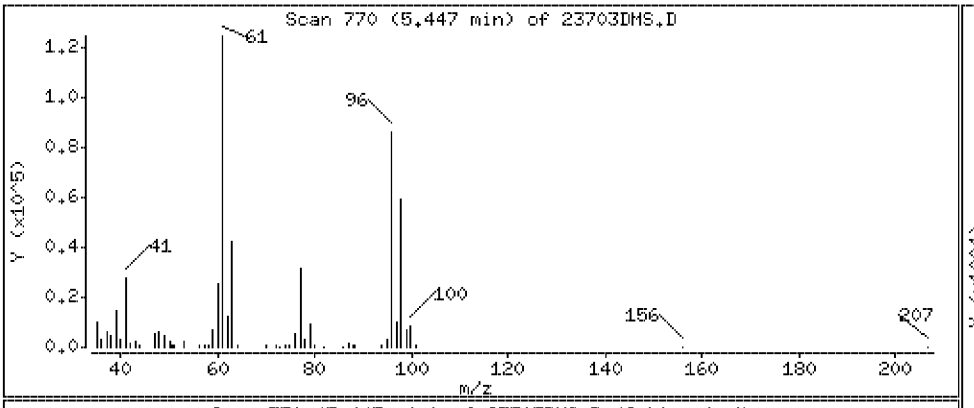
Operator:

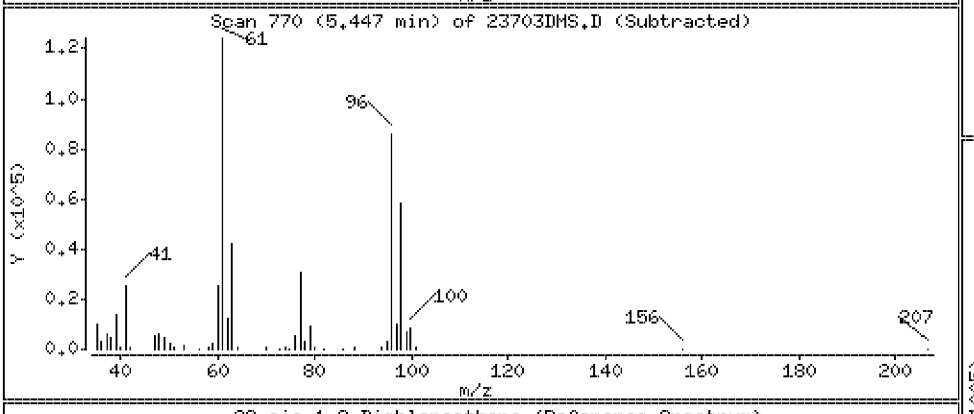
Column phase: RTX-502.2

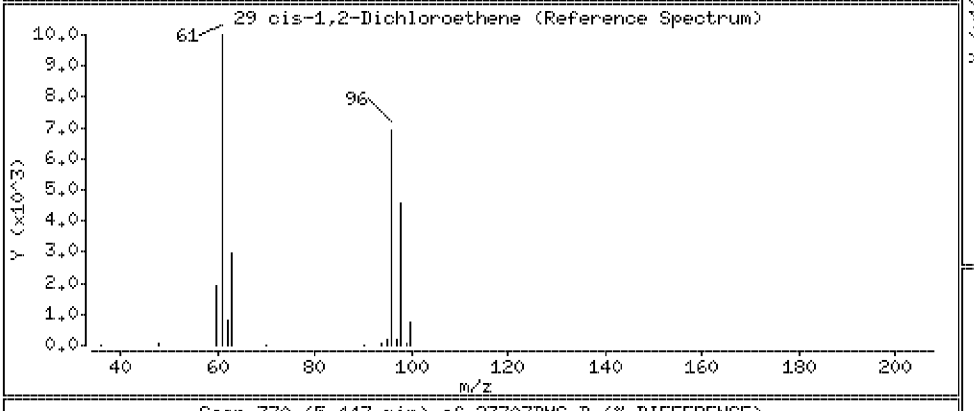
Column diameter: 0.18

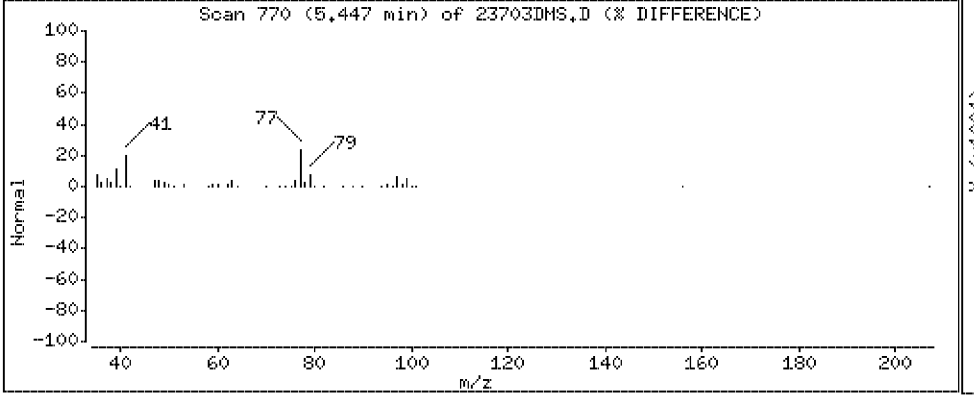
29 cis-1,2-Dichloroethene

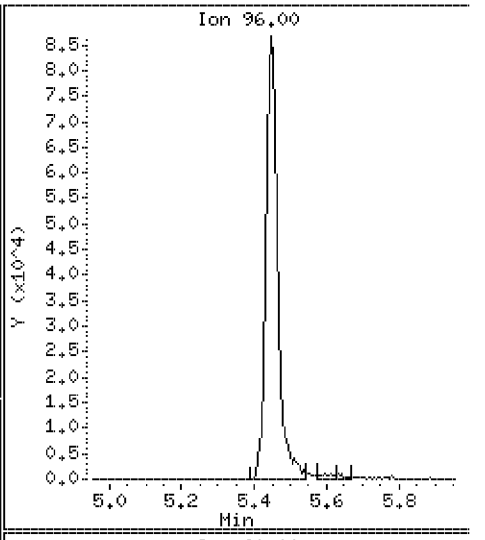
Concentration: 106 ug/l

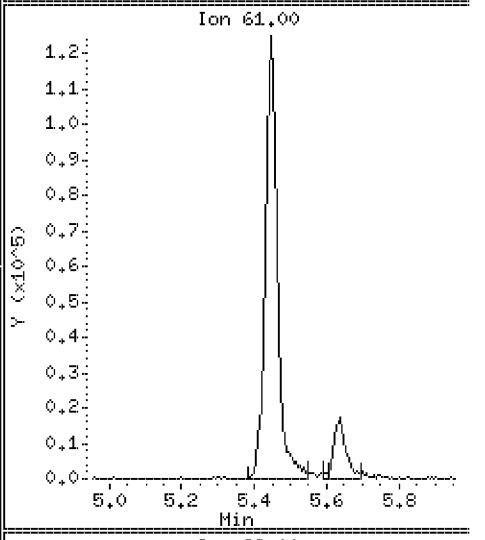


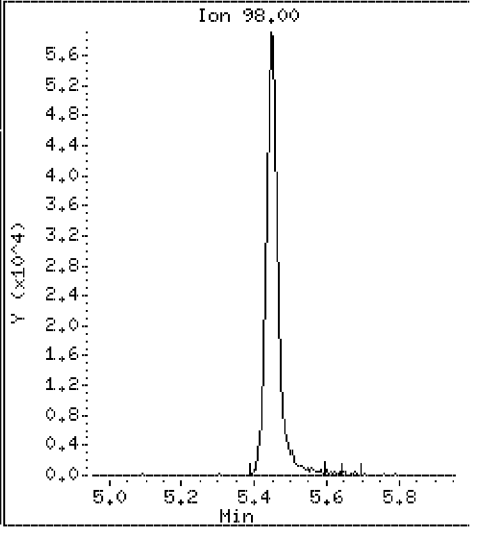












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

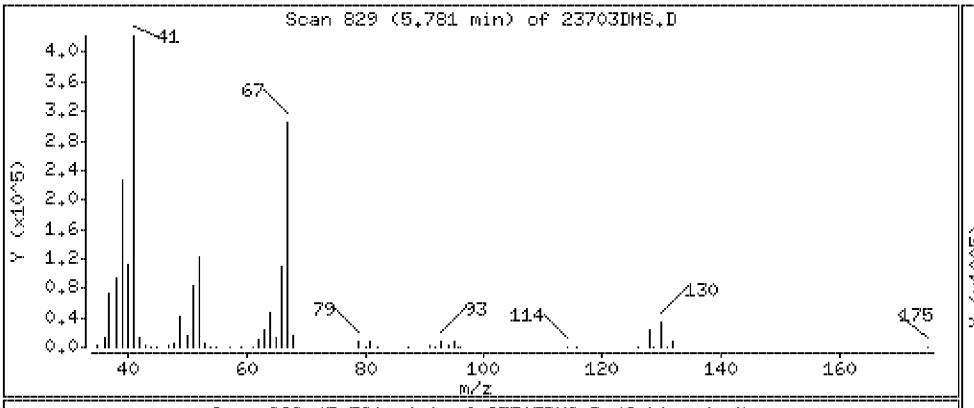
Operator:

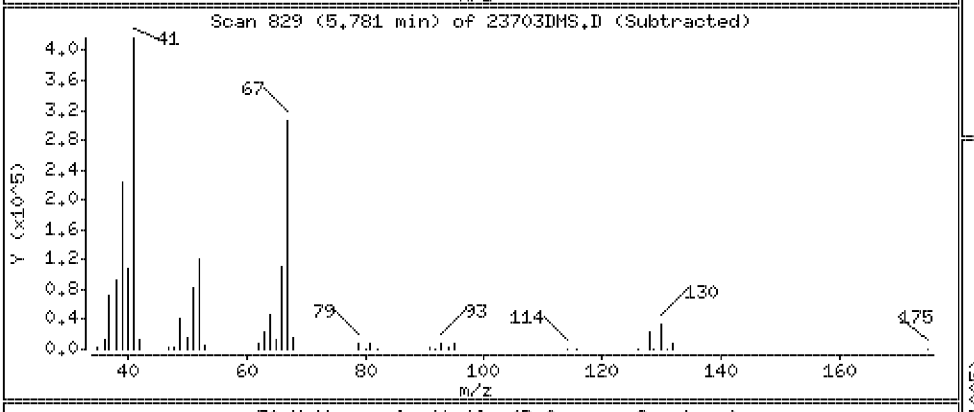
Column phase: RTX-502.2

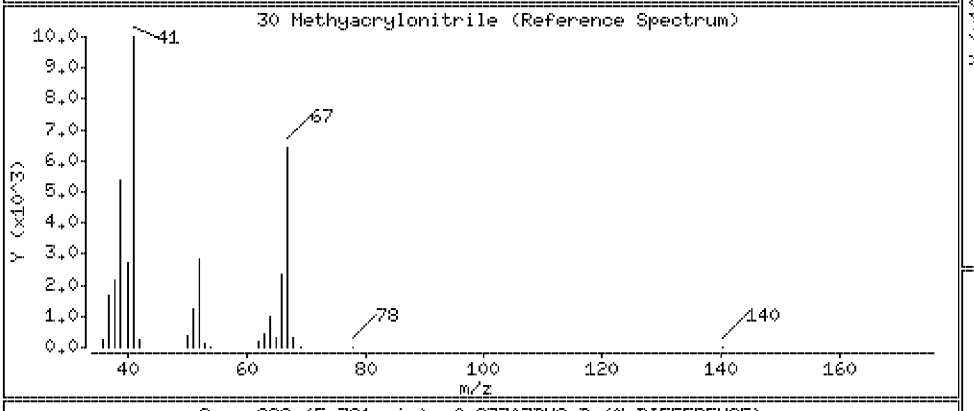
Column diameter: 0.18

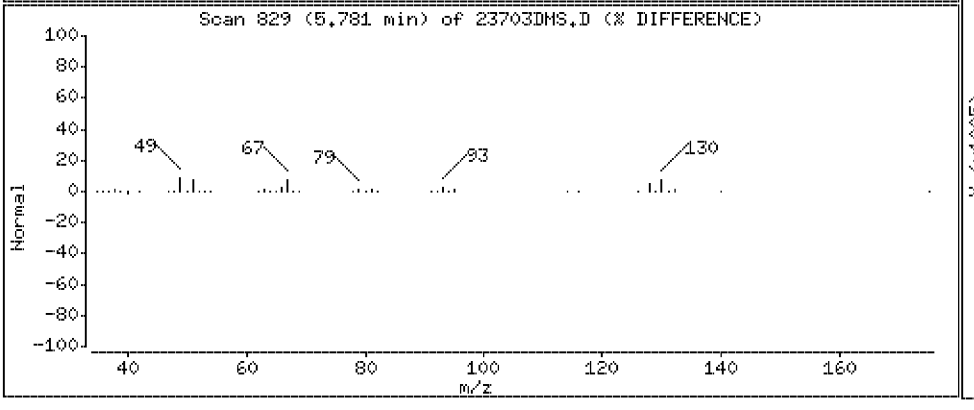
30 Methyacrylonitrile

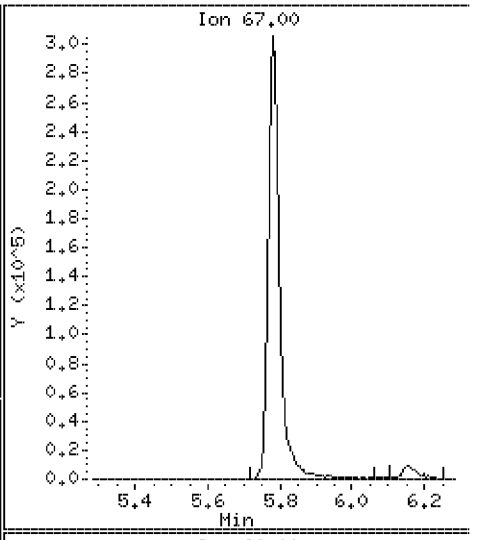
Concentration: 1080 ug/l

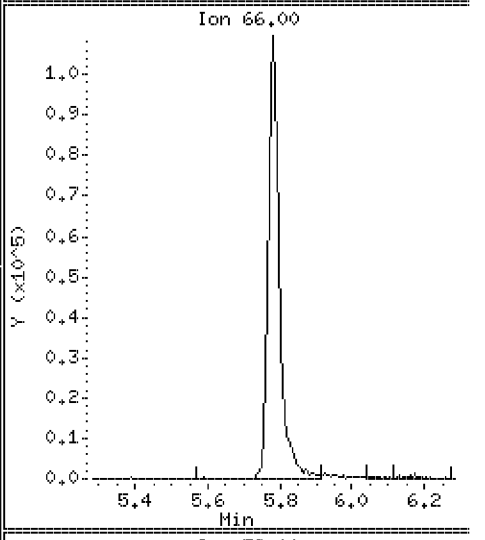


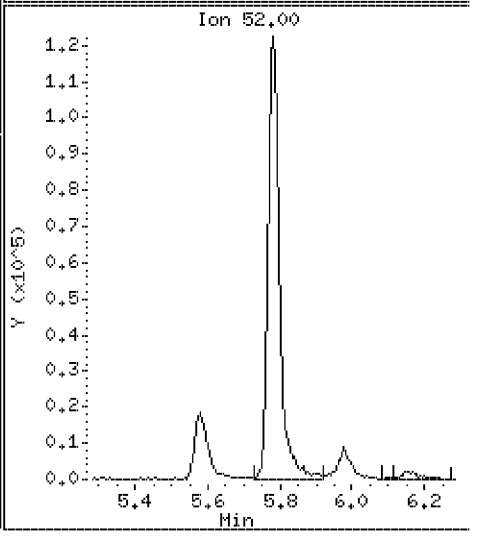












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

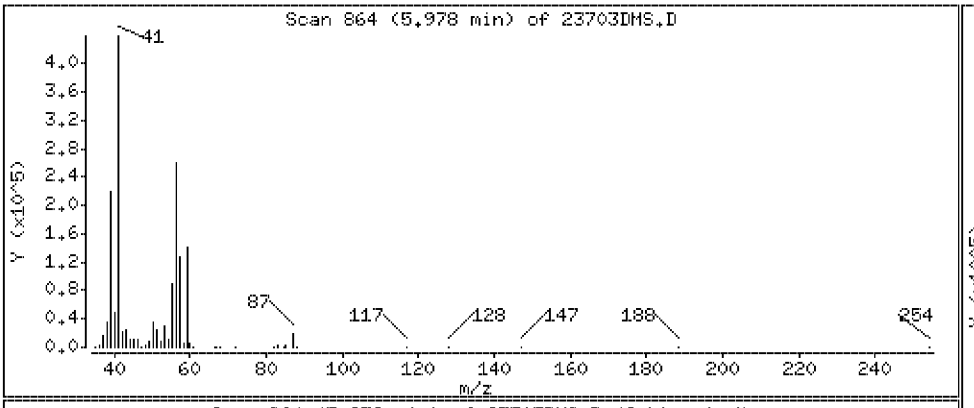
Operator:

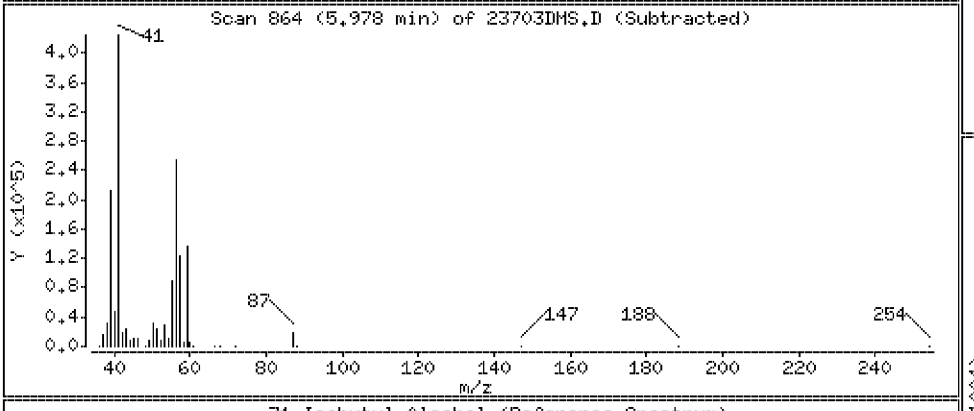
Column phase: RTX-502.2

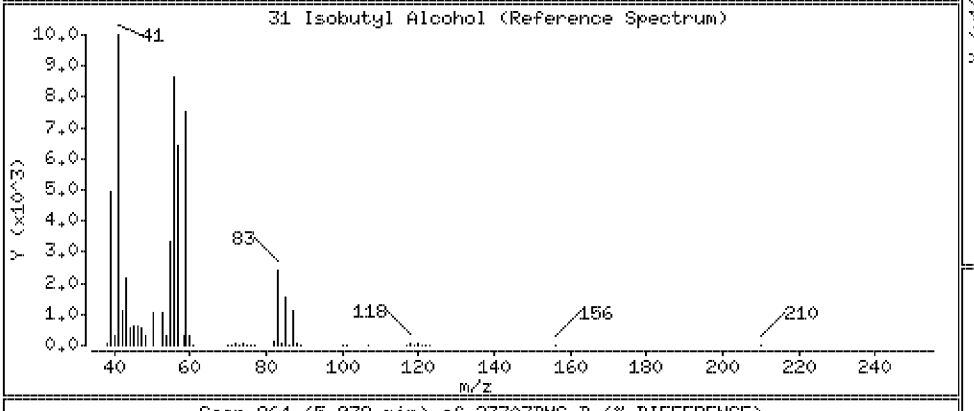
Column diameter: 0.18

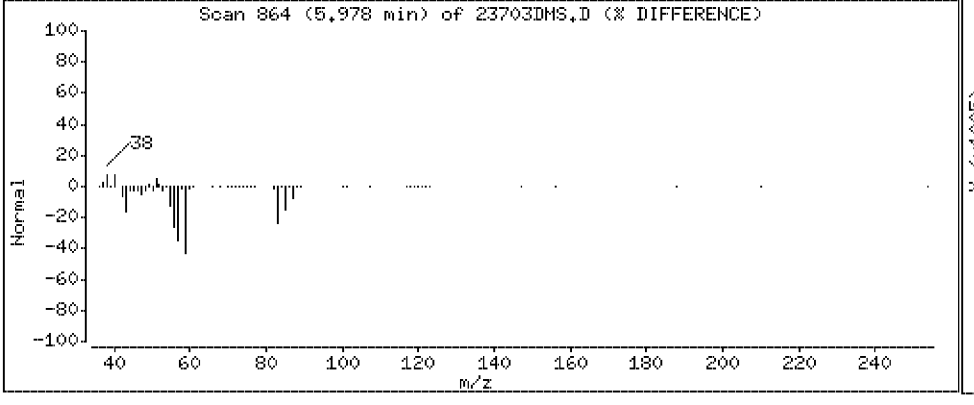
31 Isobutyl Alcohol

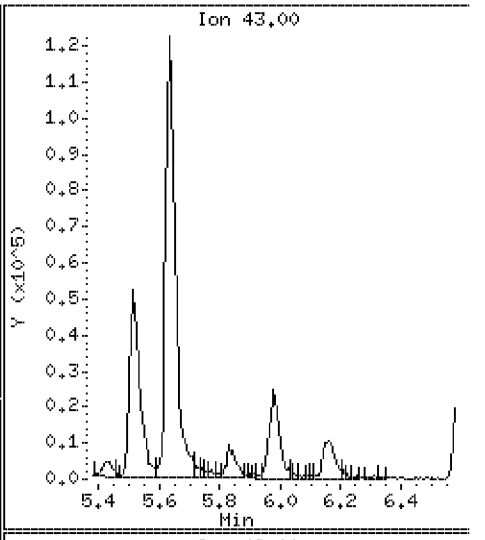
Concentration: 1010 ug/l

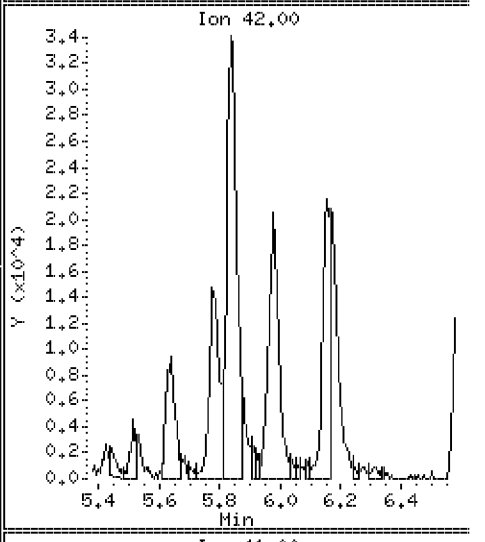


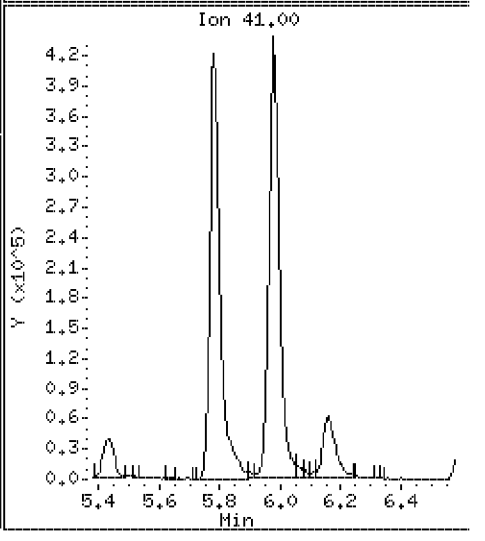












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

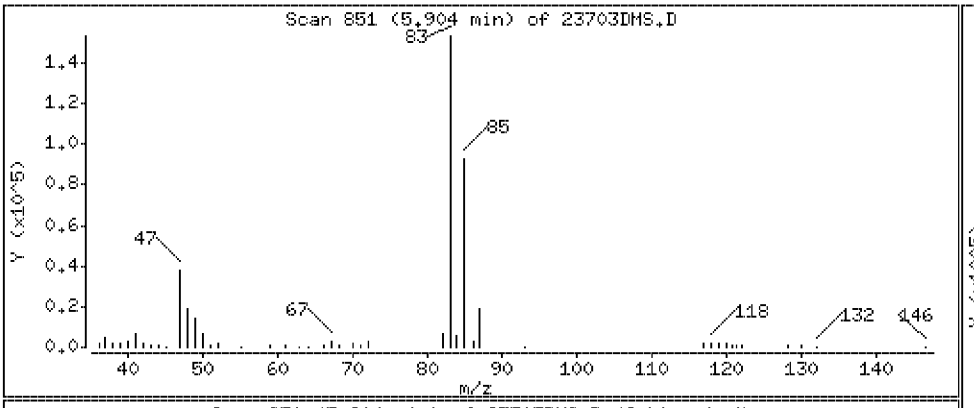
Operator:

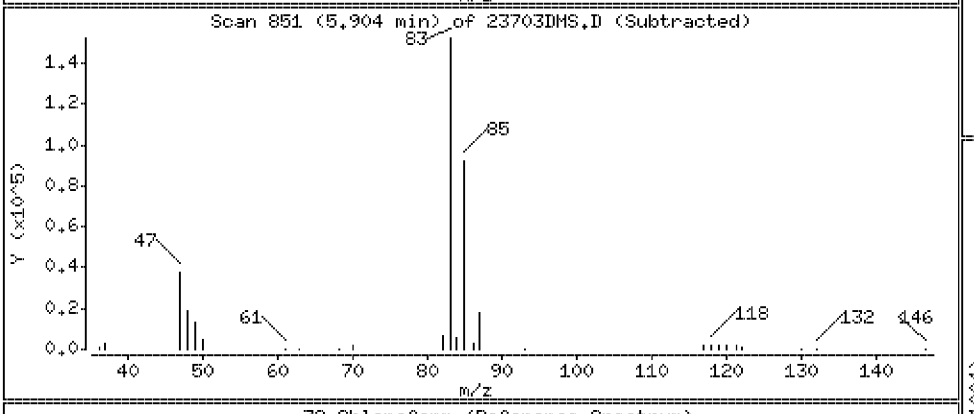
Column phase: RTX-502.2

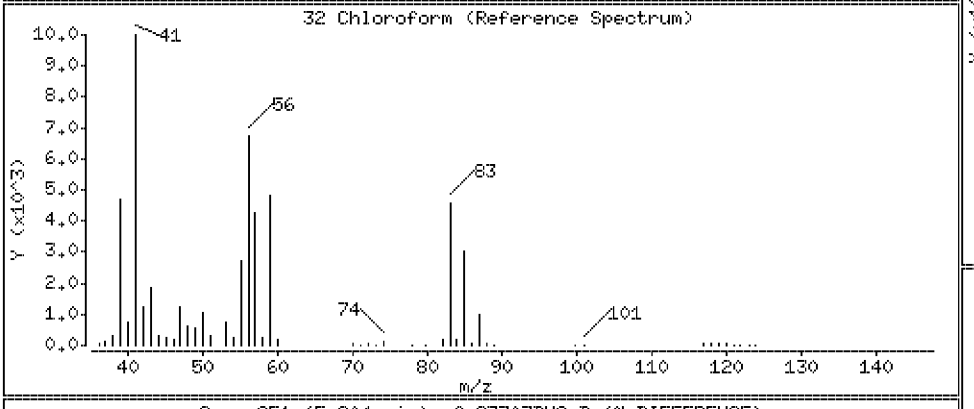
Column diameter: 0.18

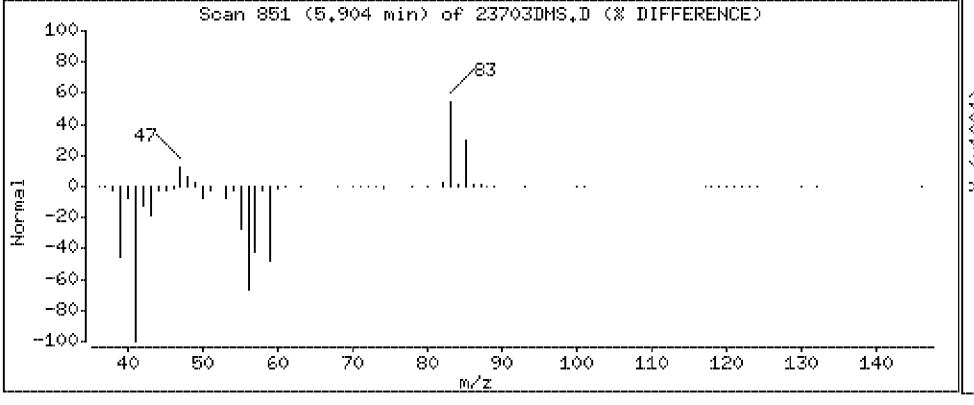
32 Chloroform

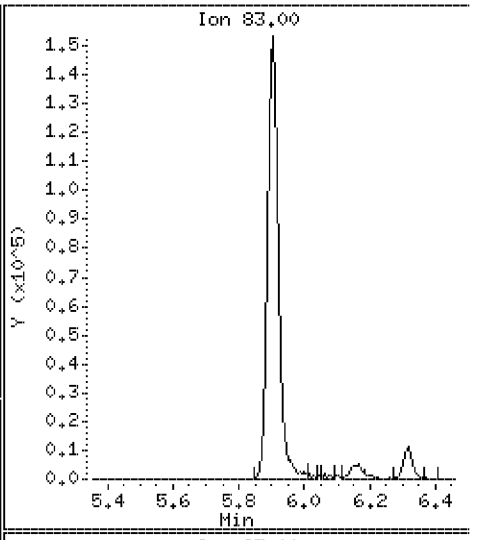
Concentration: 103 ug/l

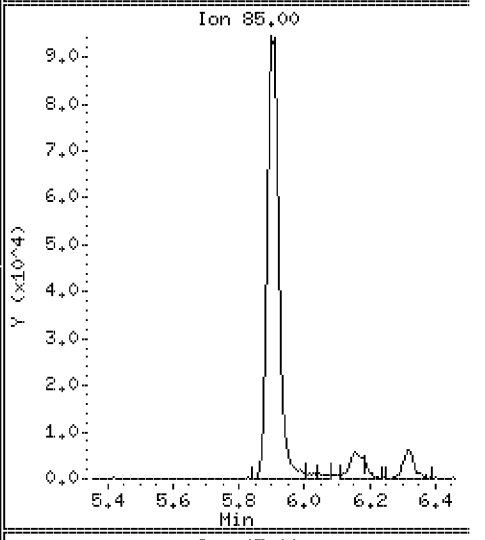


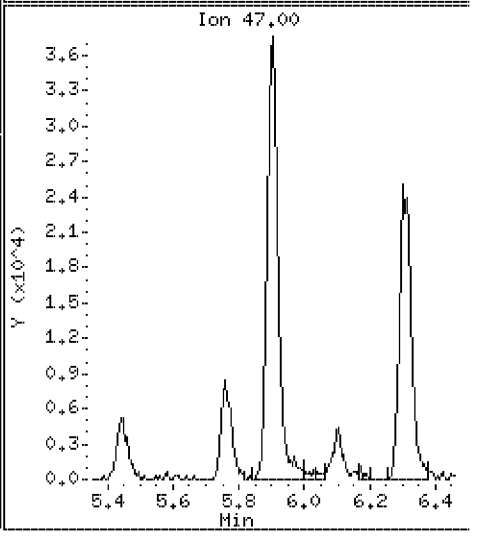












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

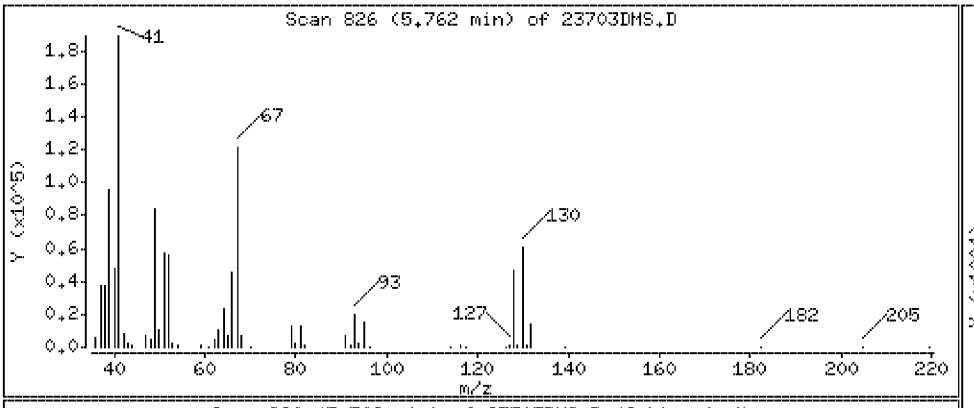
Operator:

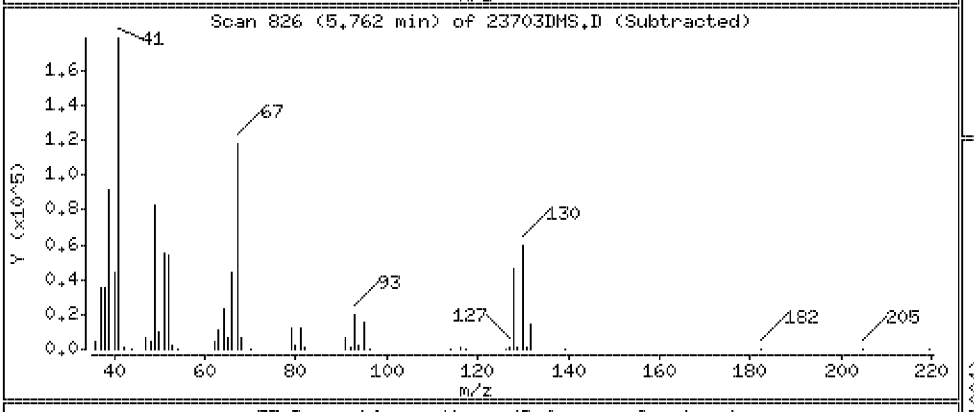
Column phase: RTX-502.2

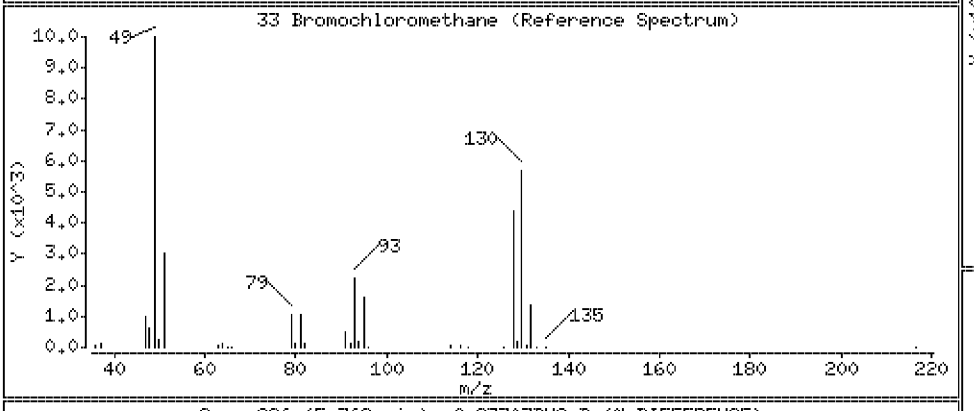
Column diameter: 0.18

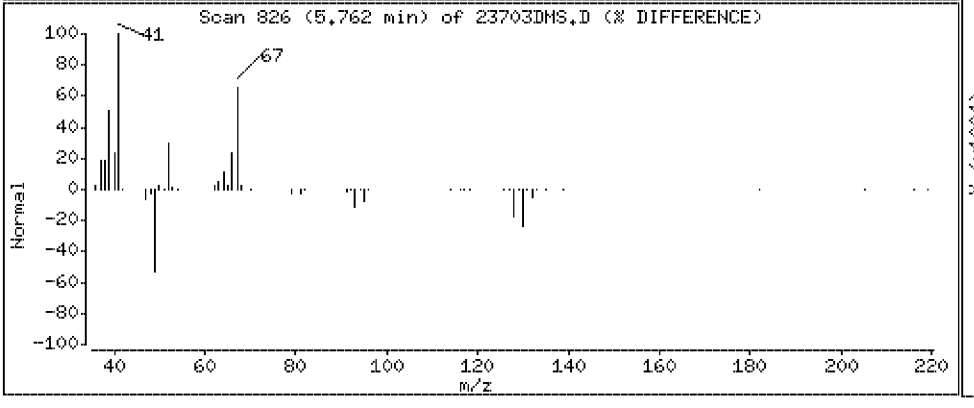
33 Bromochloromethane

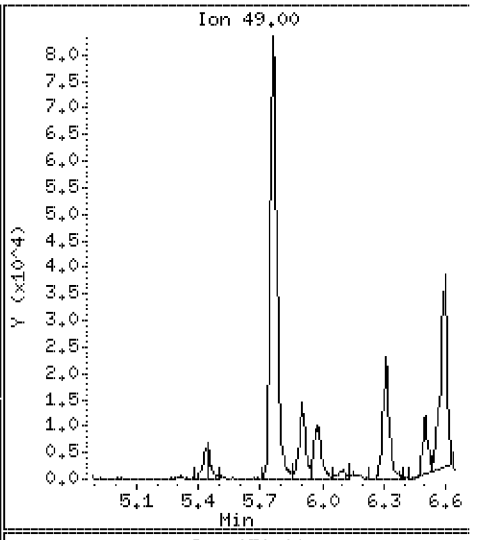
Concentration: 105 ug/l

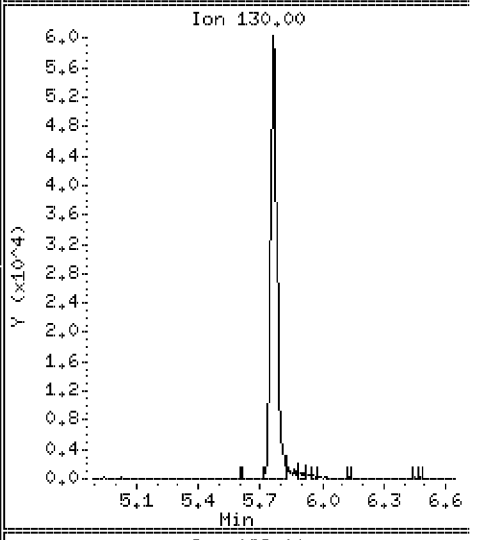


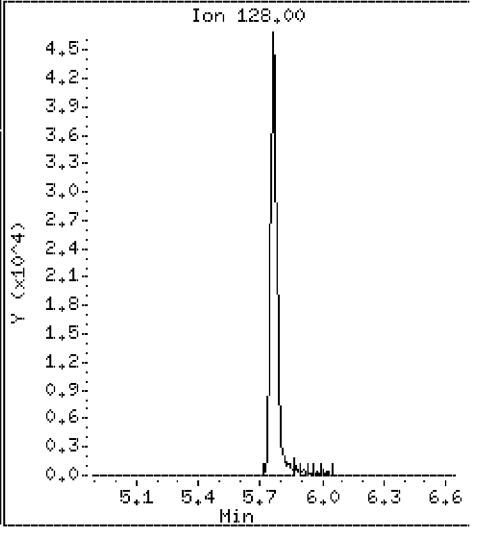












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

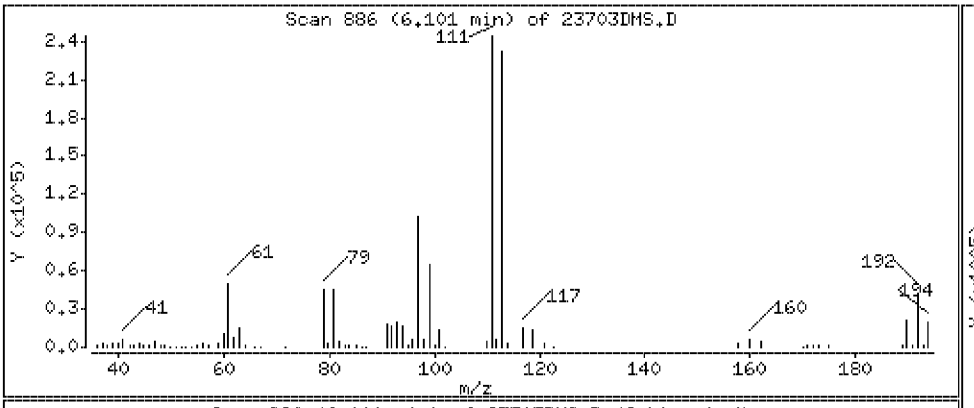
Operator:

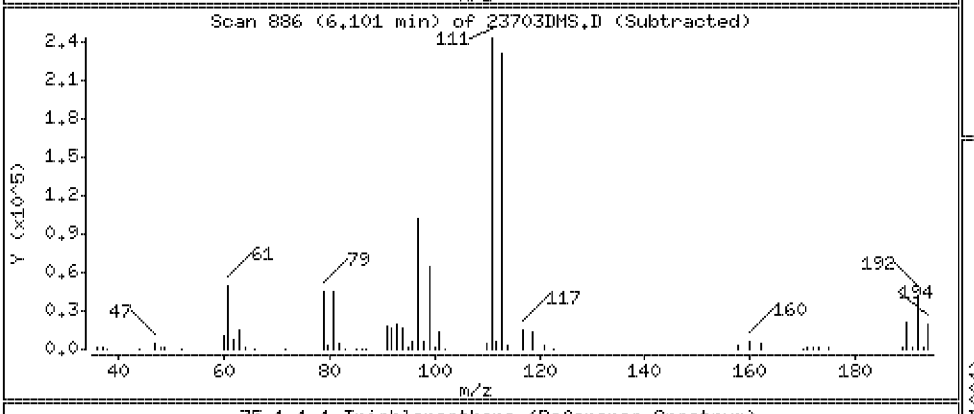
Column phase: RTX-502.2

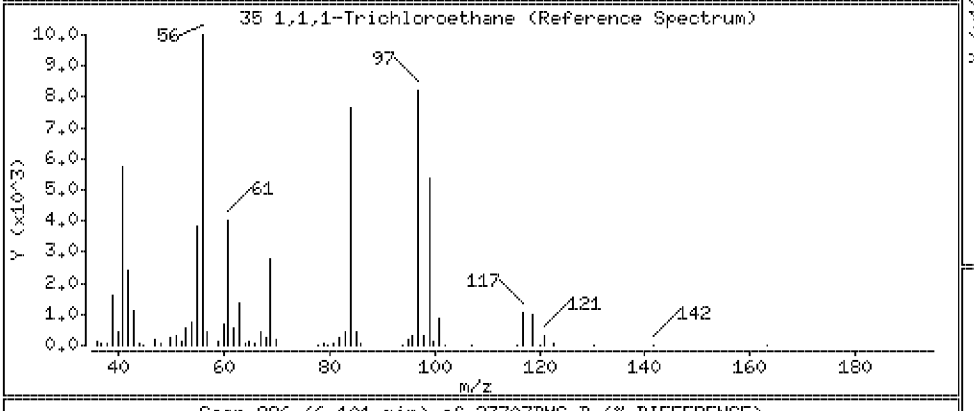
Column diameter: 0.18

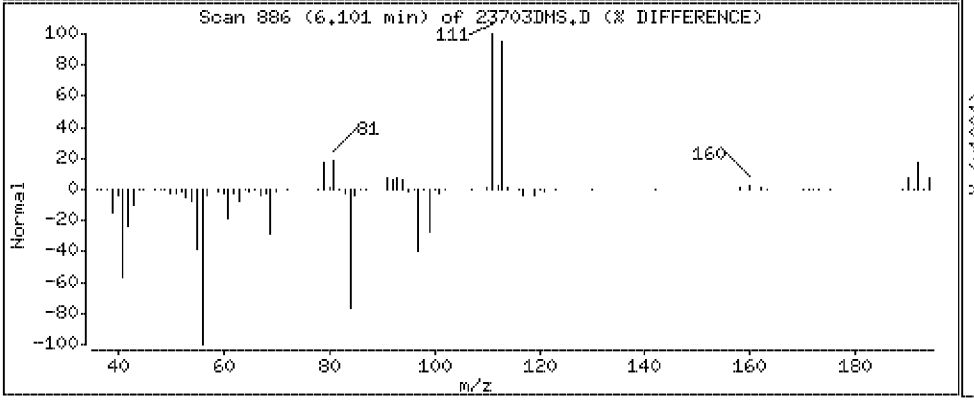
35 1,1,1-Trichloroethane

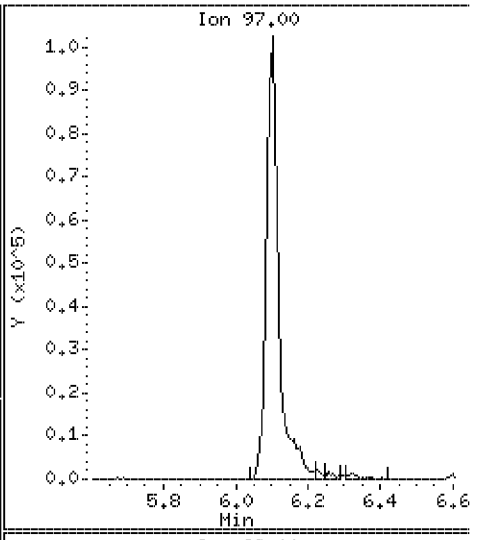
Concentration: 104 ug/l

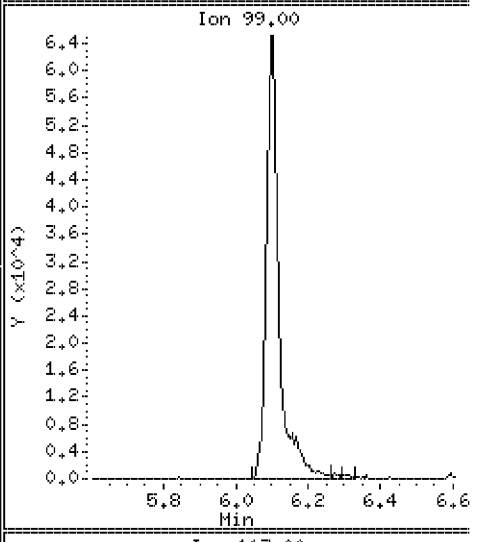


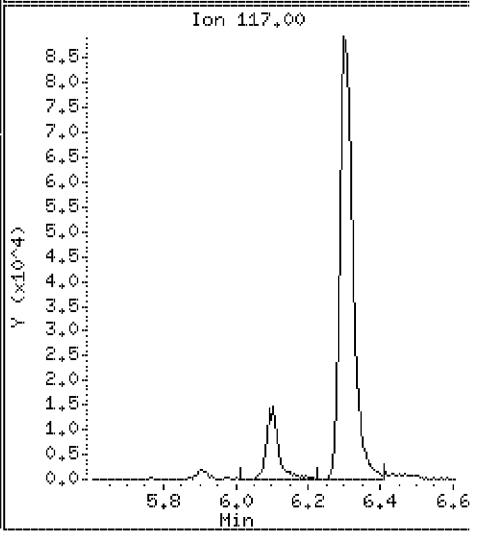












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

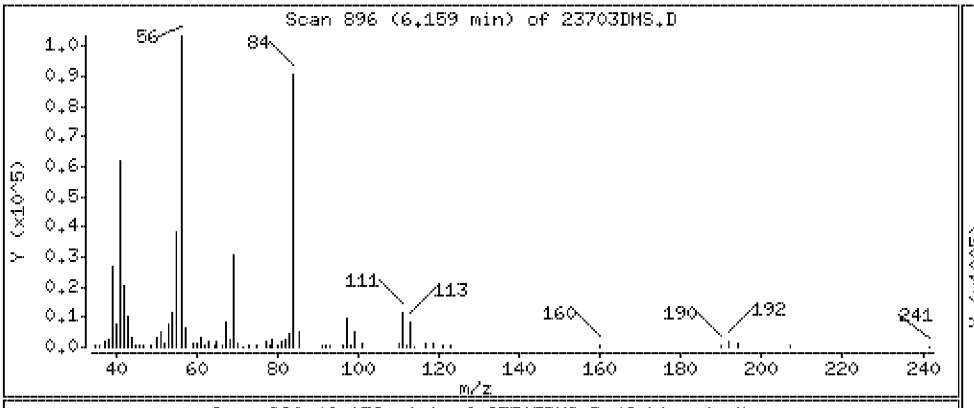
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

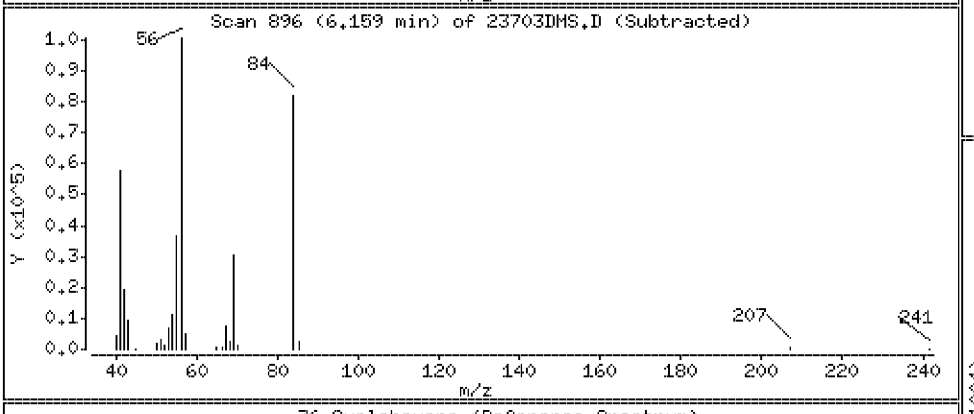
Sample Info: 350023703;3500237;5;

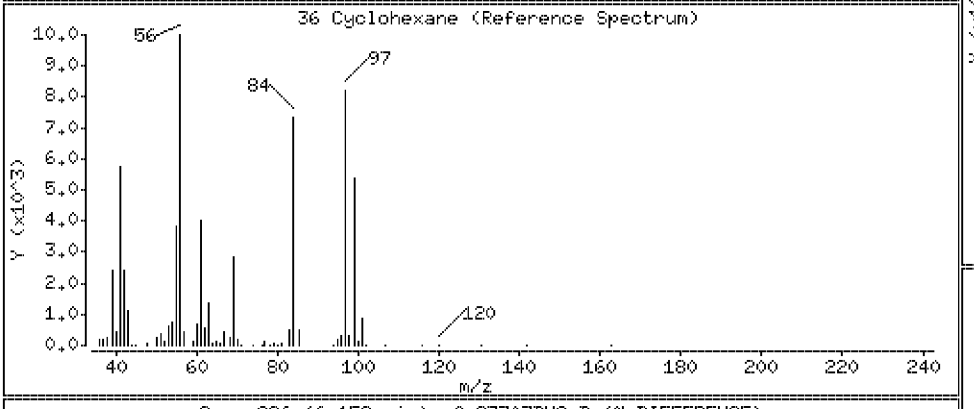
Purge Volume: 5.0 Operator:

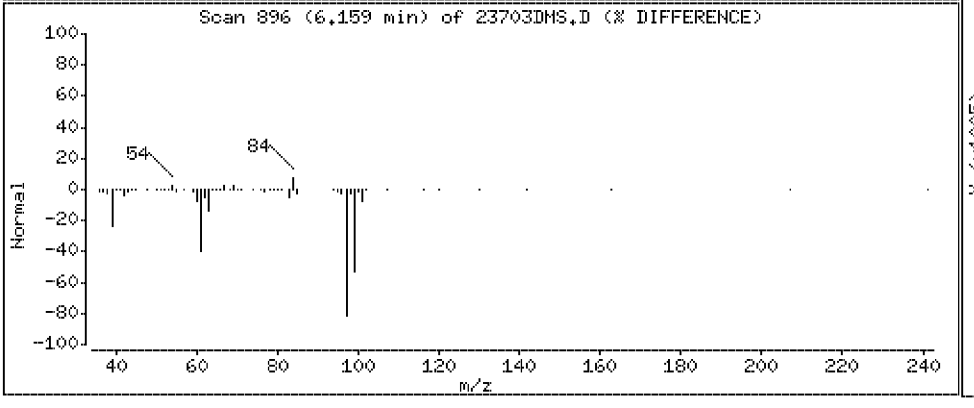
Column phase: RTX-502.2 Column diameter: 0.18

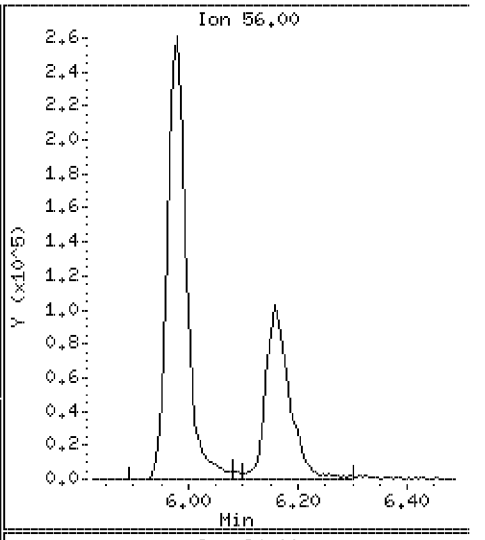
36 Cyclohexane Concentration: 102 ug/l

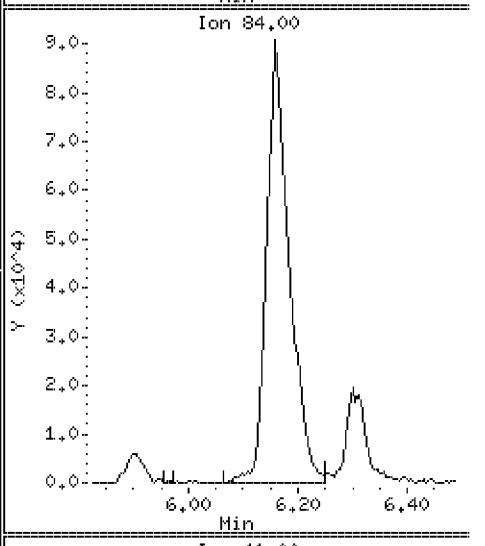


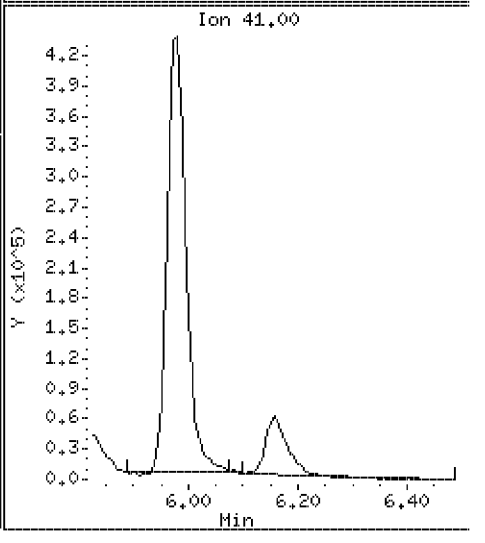












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

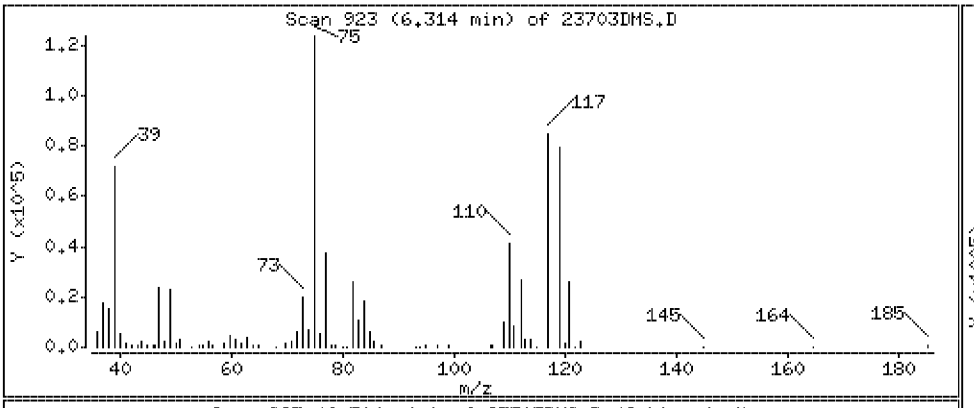
Operator:

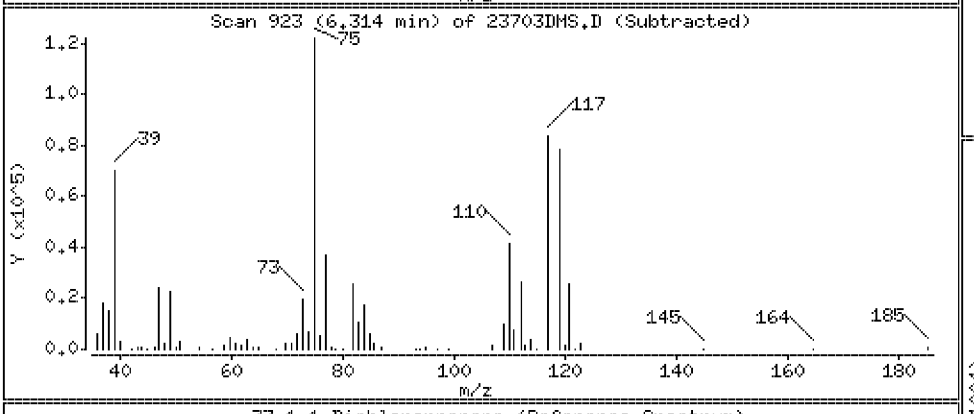
Column phase: RTX-502.2

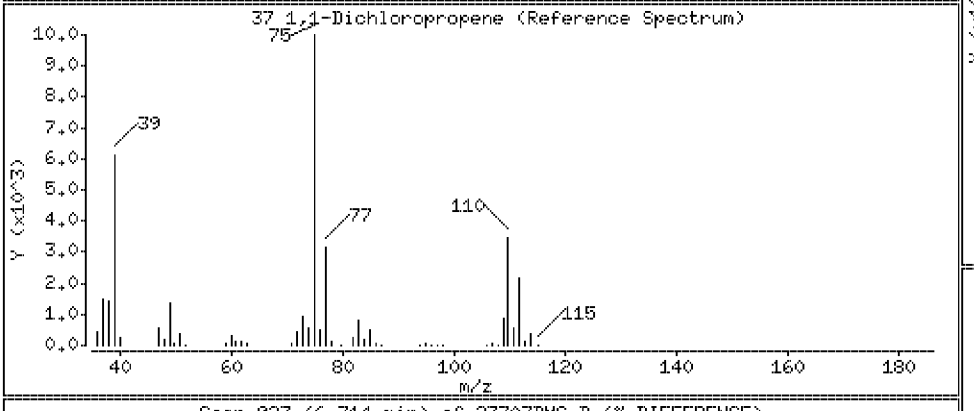
Column diameter: 0.18

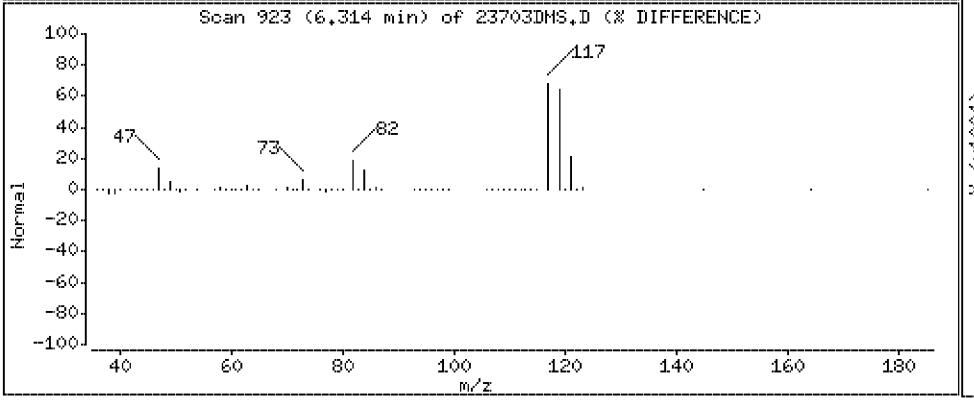
37 1,1-Dichloropropene

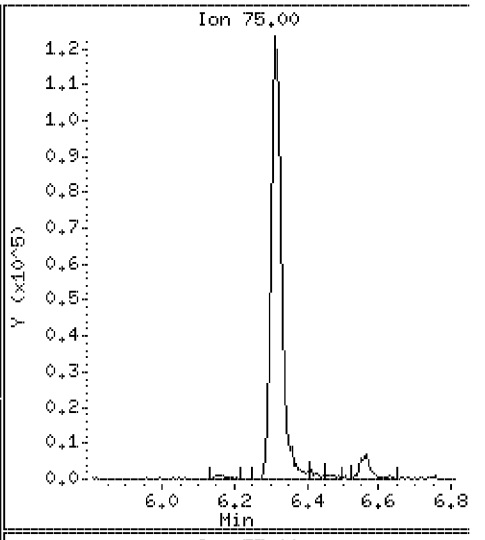
Concentration: 106 ug/l

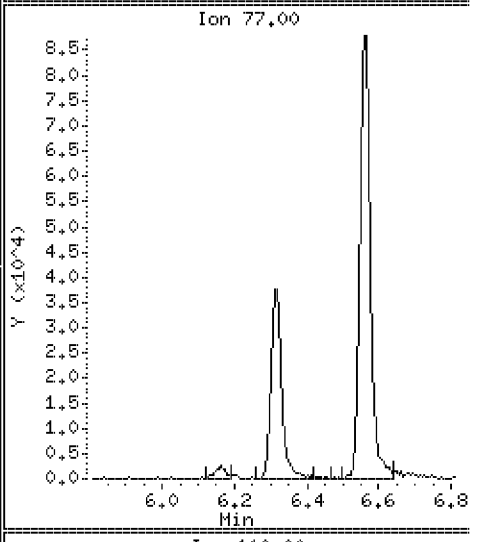


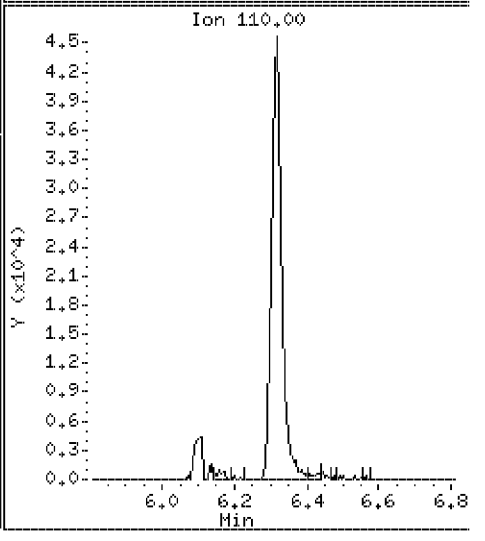












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

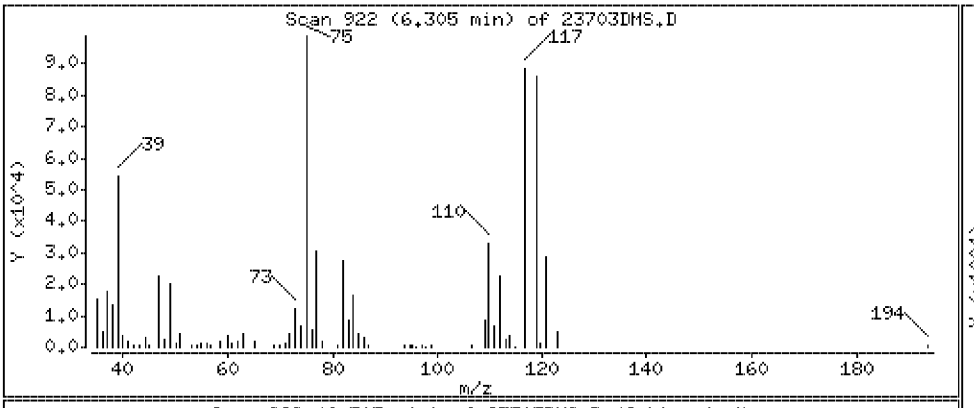
Operator:

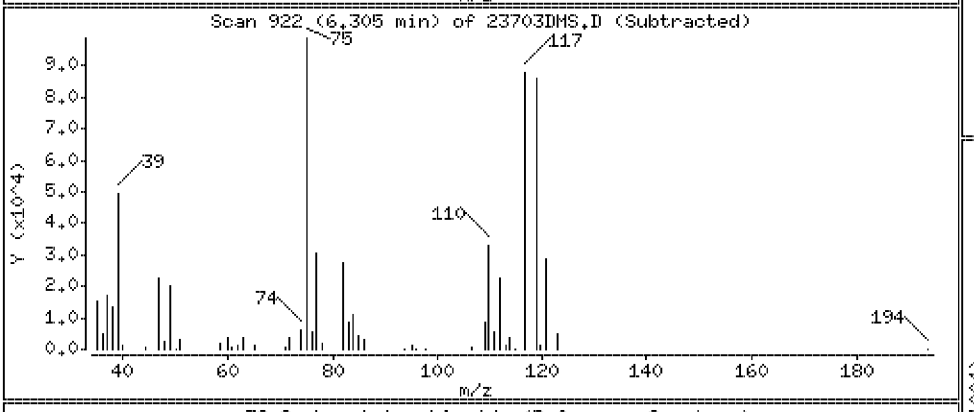
Column phase: RTX-502.2

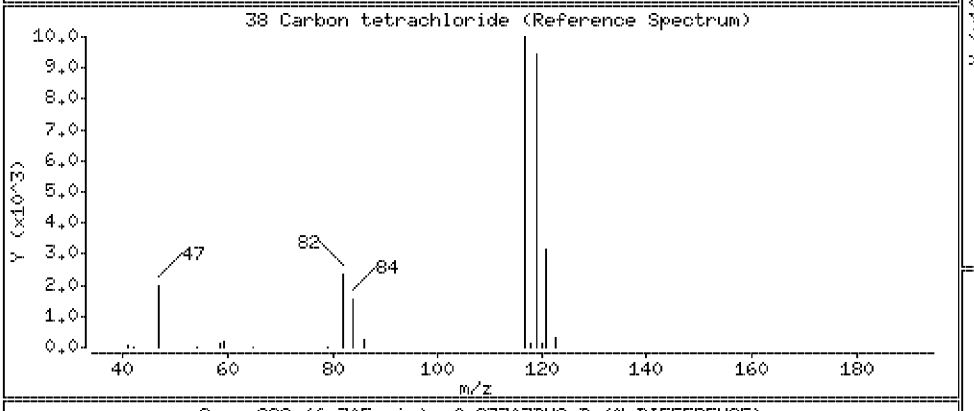
Column diameter: 0.18

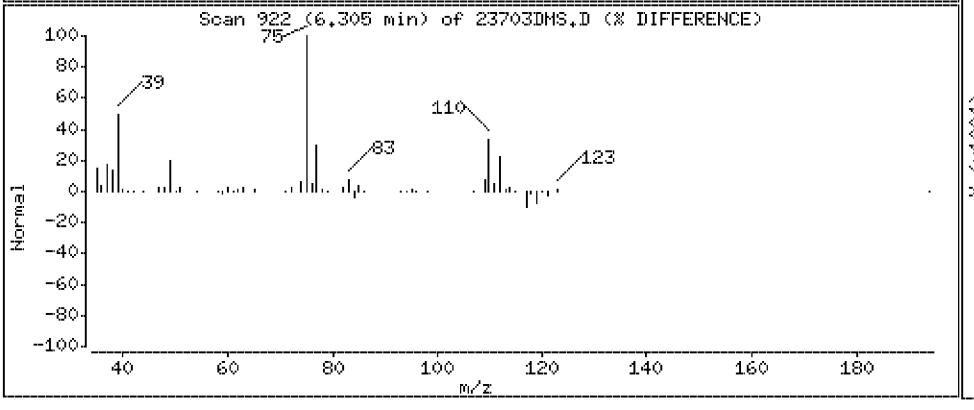
38 Carbon tetrachloride

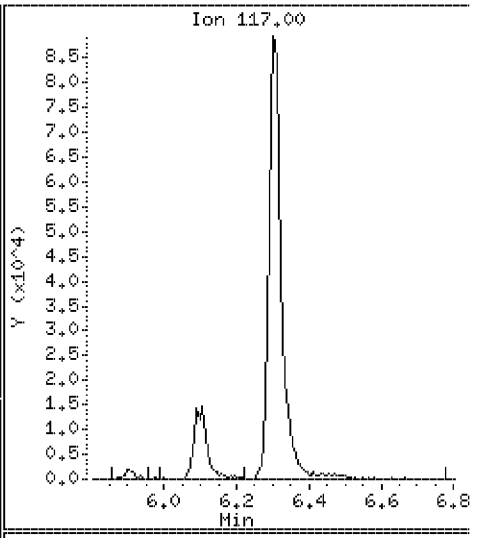
Concentration: 93.7 ug/l

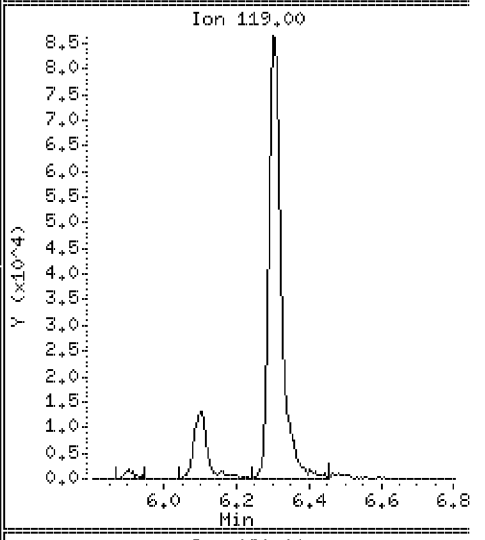


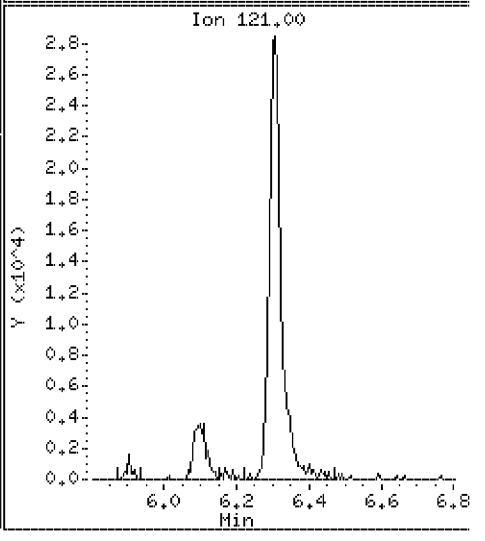












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

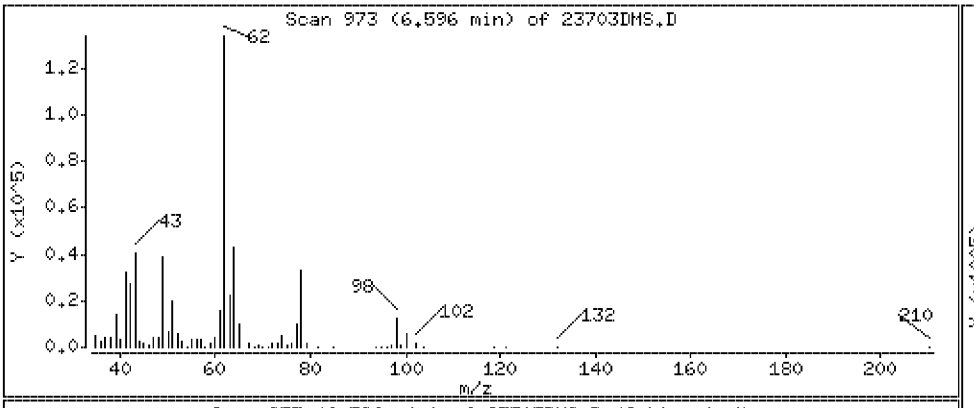
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

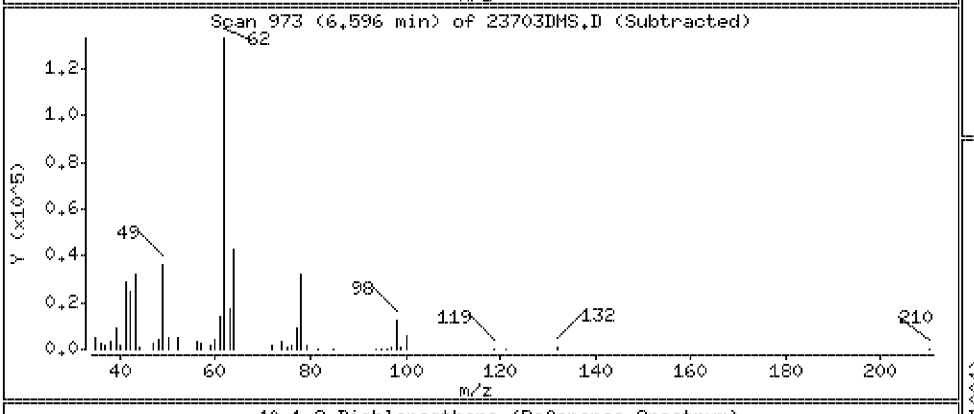
Sample Info: 350023703;3500237;5;

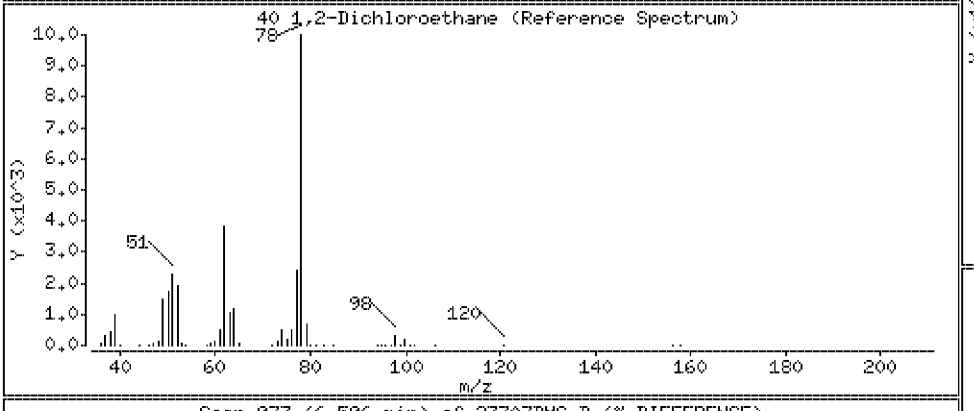
Purge Volume: 5.0 Operator:

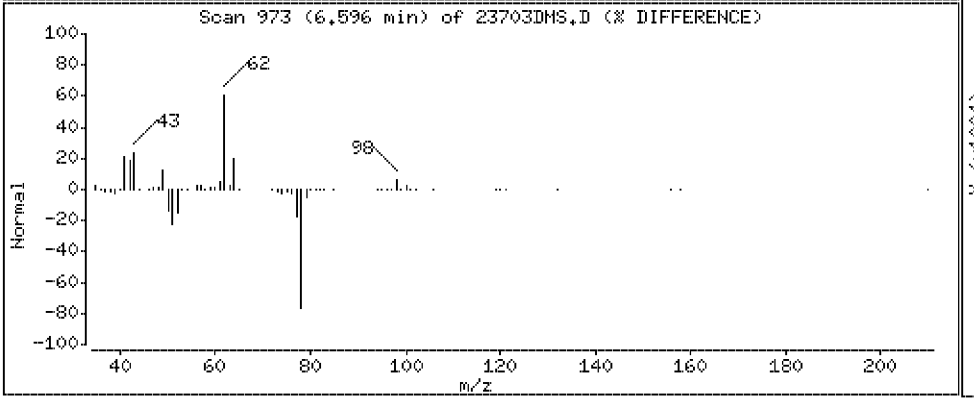
Column phase: RTX-502.2 Column diameter: 0.18

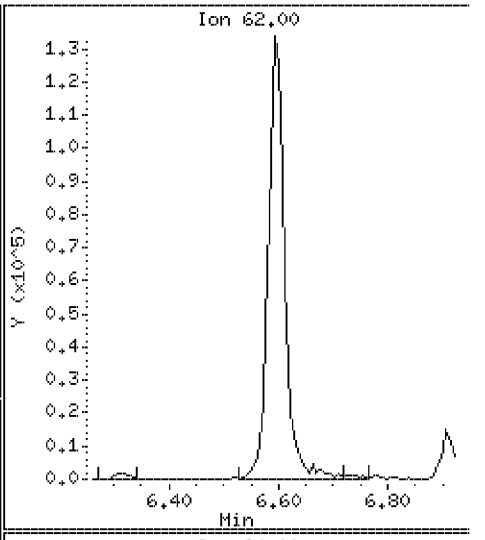
40 1,2-Dichloroethane Concentration: 105 ug/l

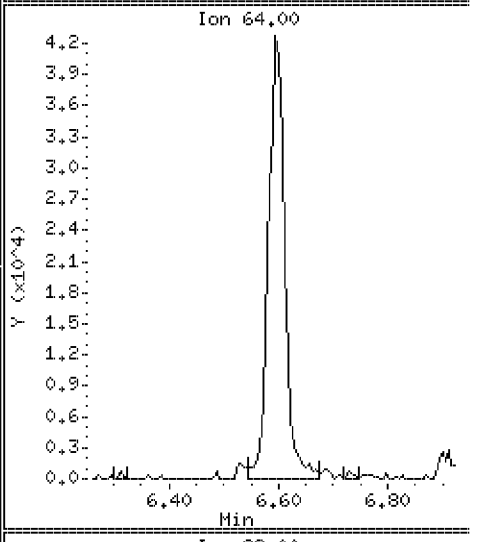


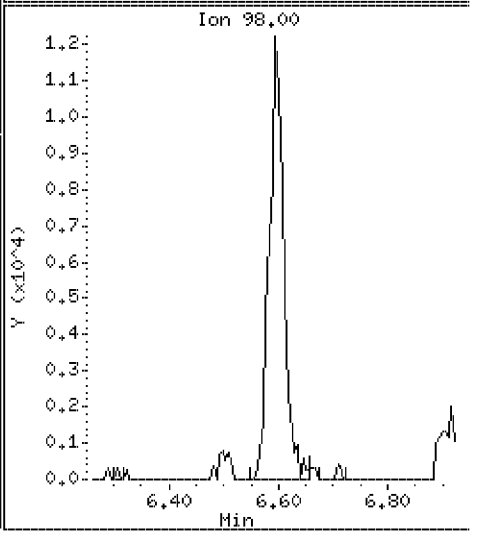












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

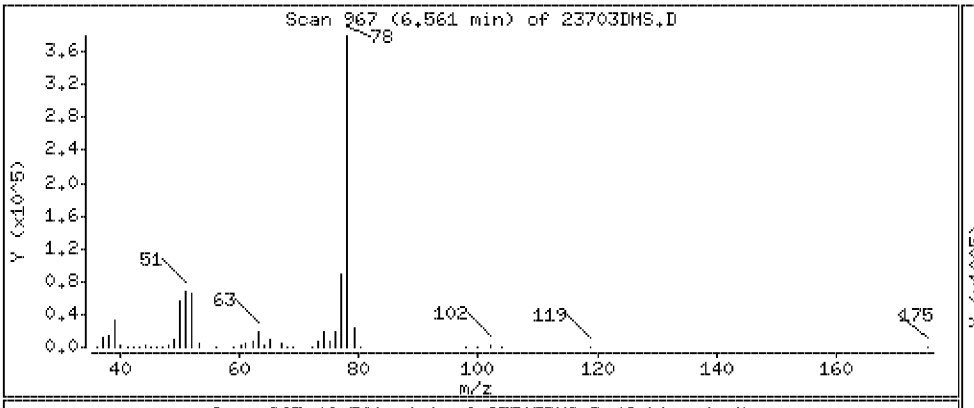
Operator:

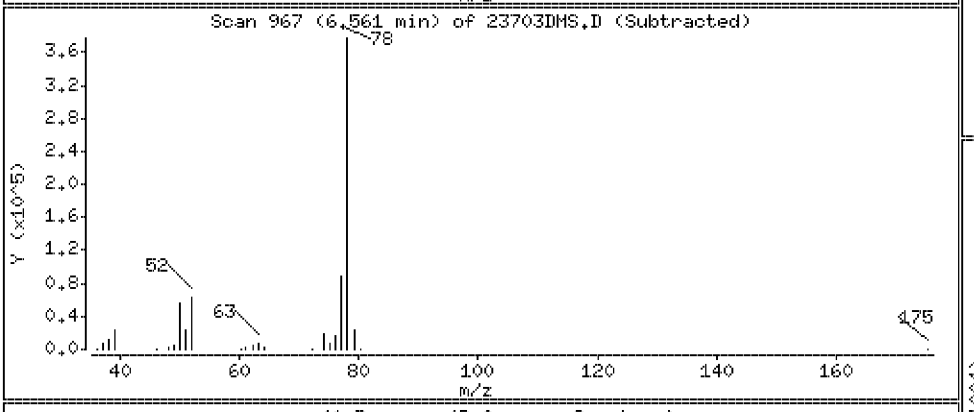
Column phase: RTX-502.2

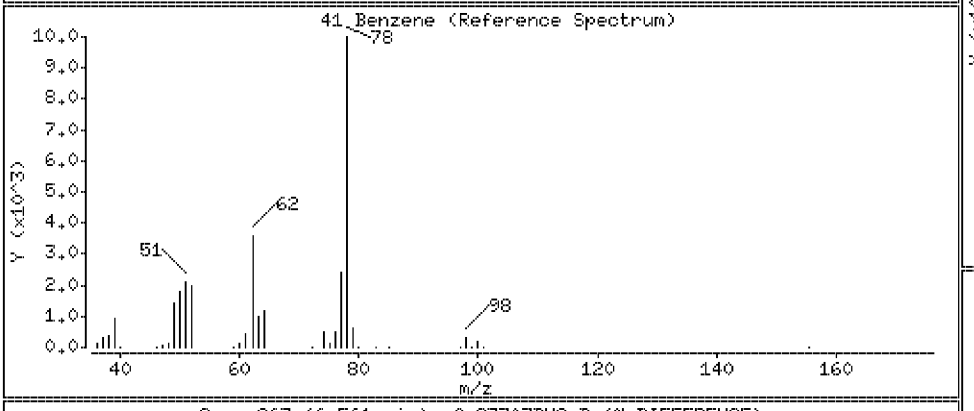
Column diameter: 0.18

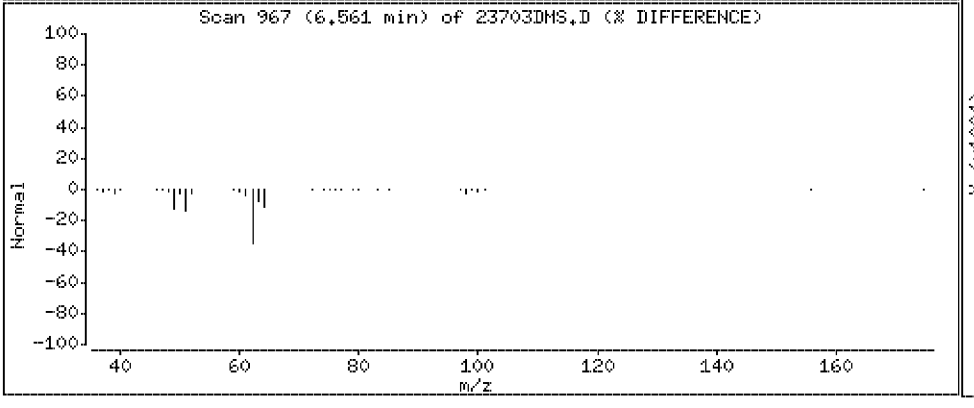
41 Benzene

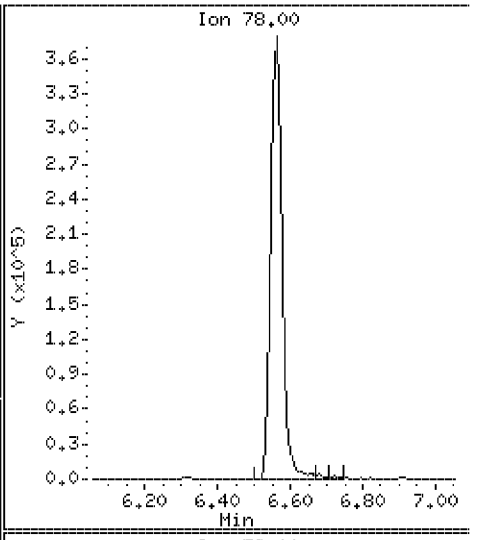
Concentration: 109 ug/l

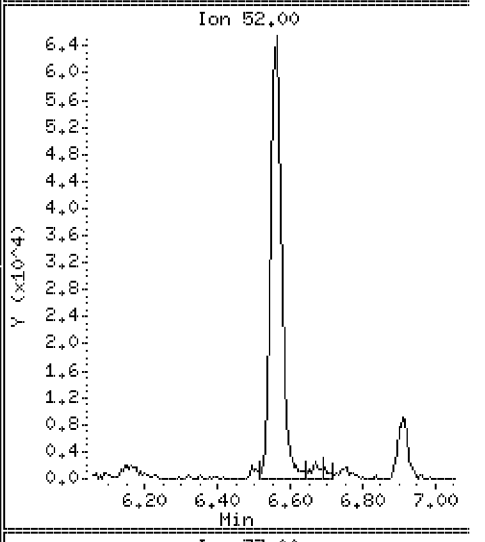


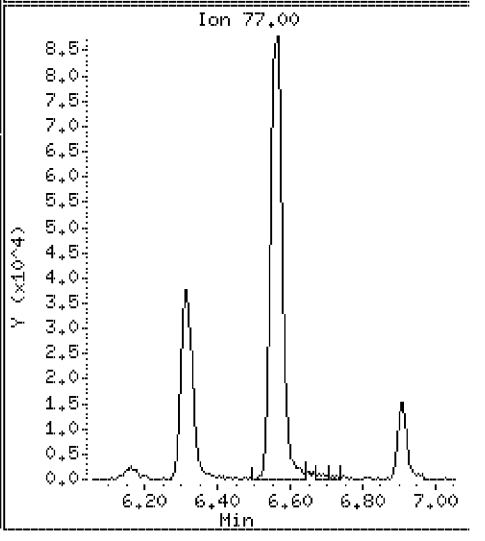












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

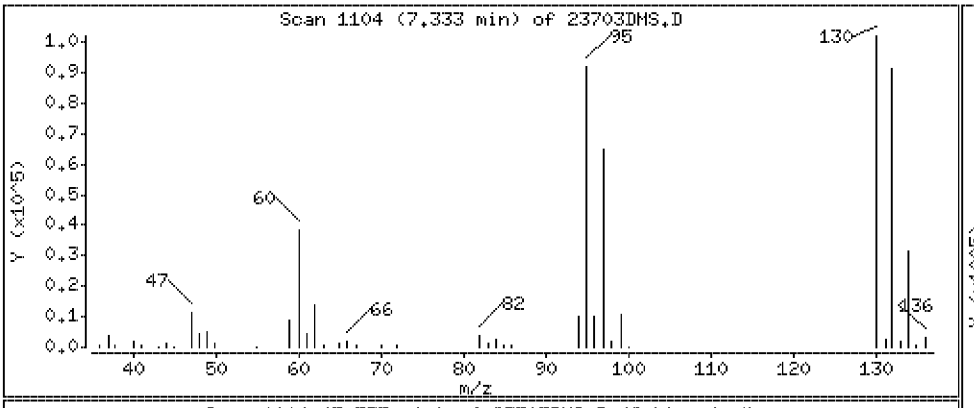
Operator:

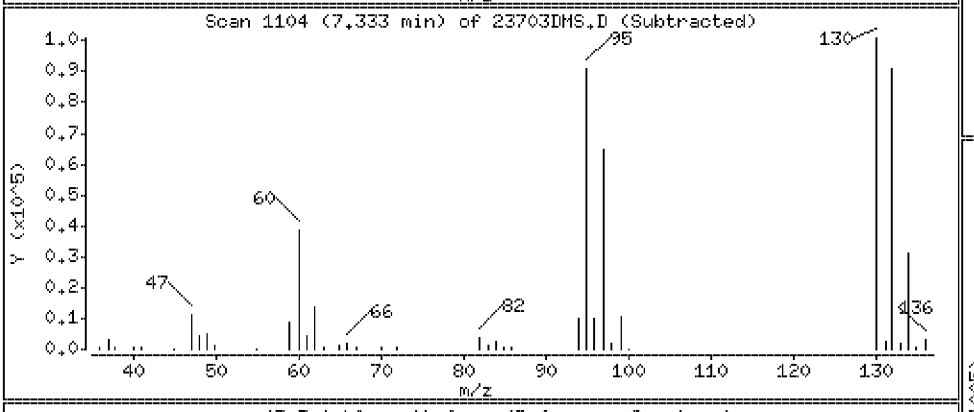
Column phase: RTX-502.2

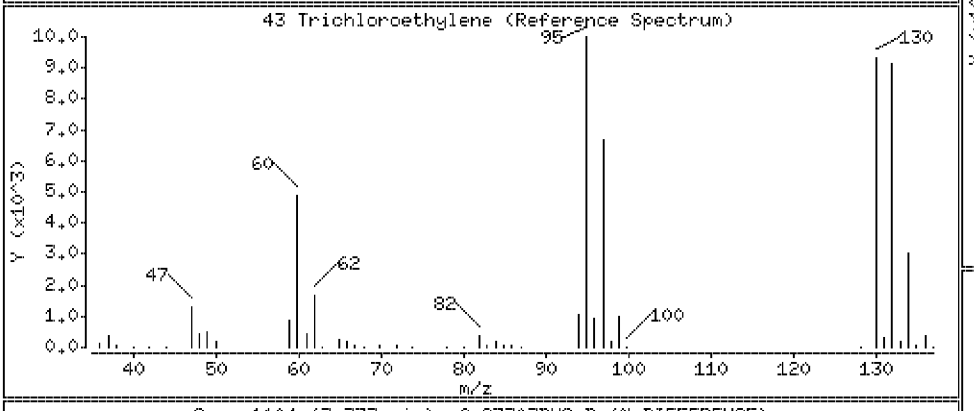
Column diameter: 0.18

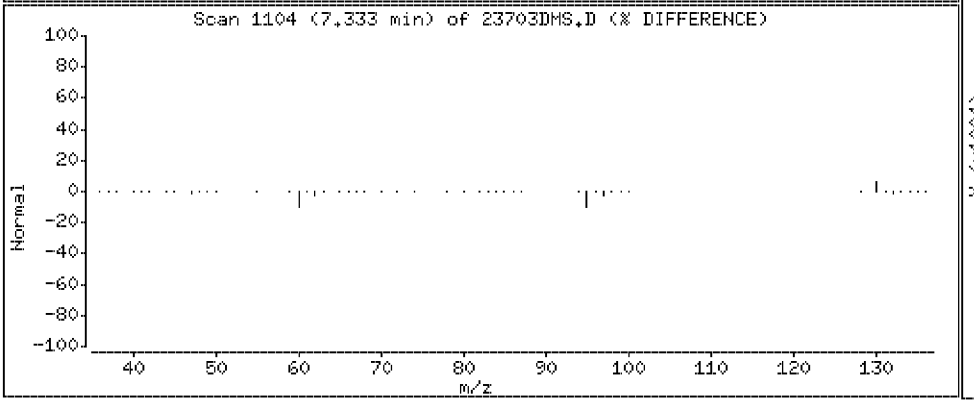
43 Trichloroethylene

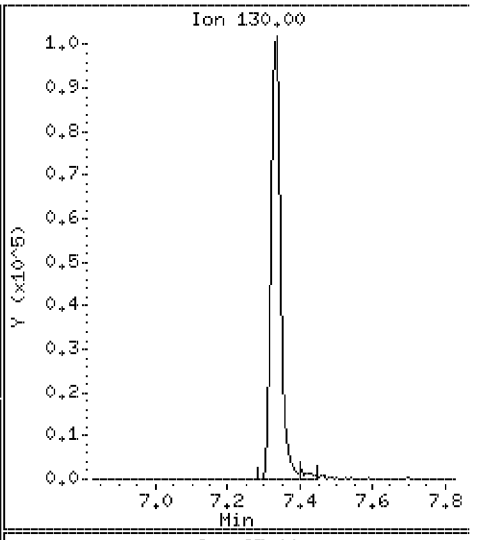
Concentration: 104 ug/l

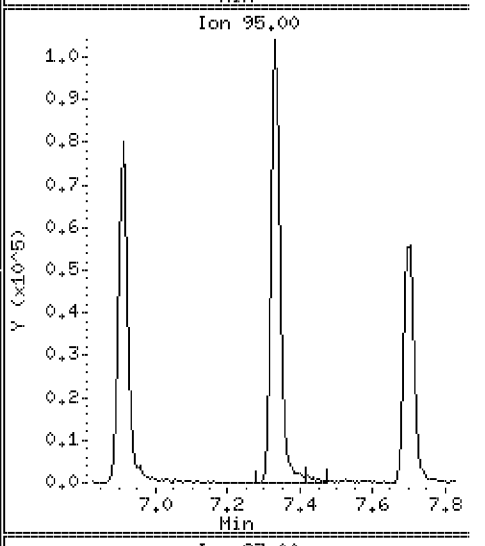


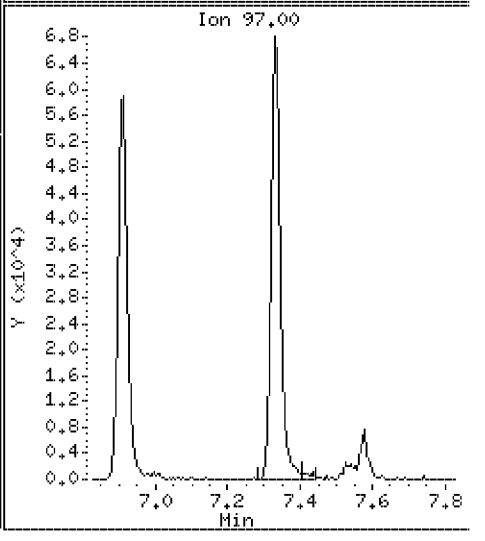












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

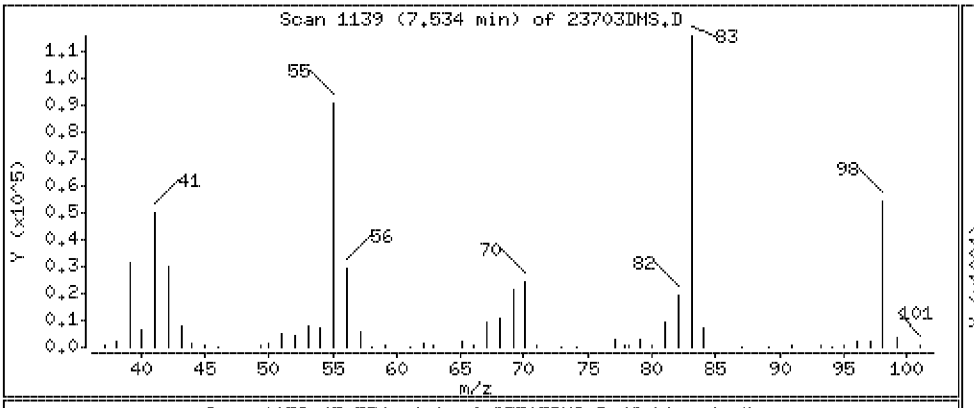
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

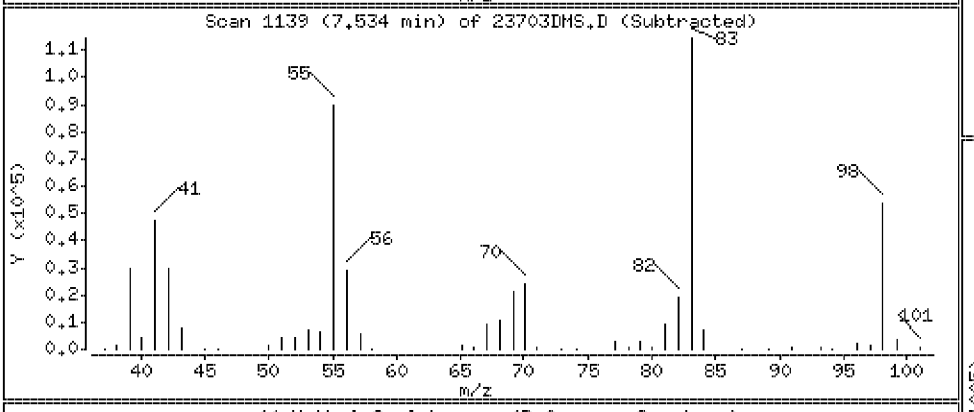
Sample Info: 350023703;3500237;5;

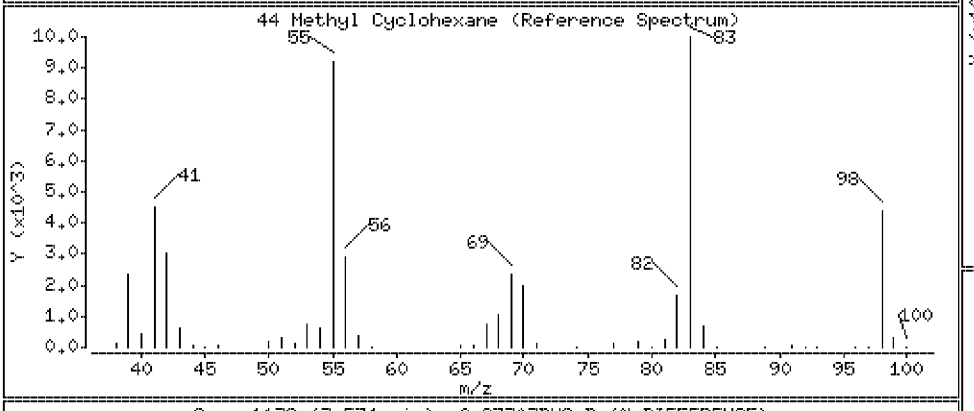
Purge Volume: 5.0 Operator:

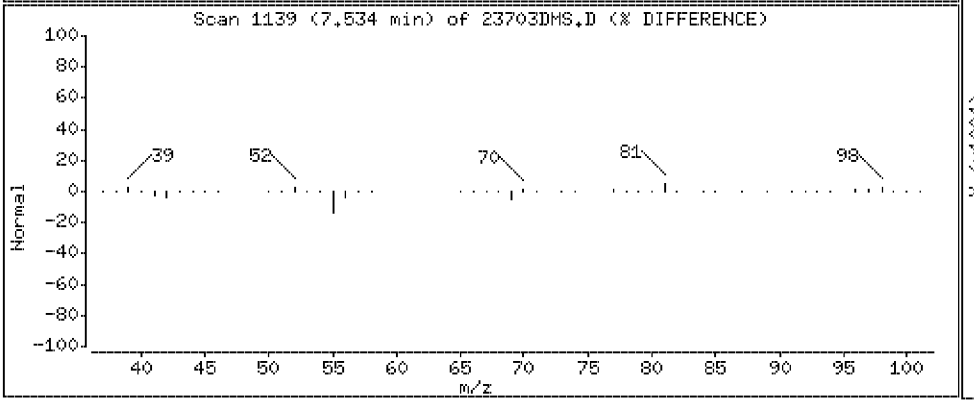
Column phase: RTX-502.2 Column diameter: 0.18

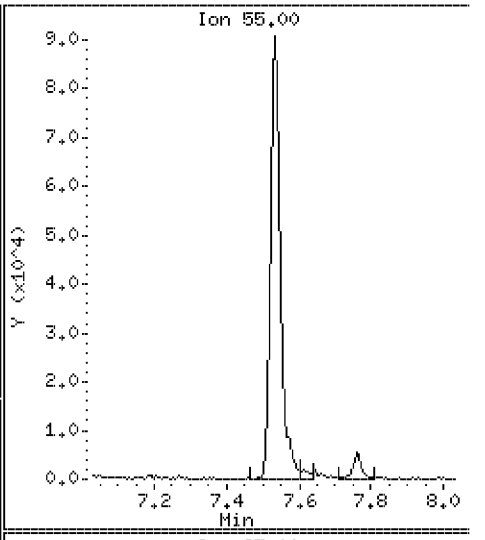
44 Methyl Cyclohexane Concentration: 107 ug/l

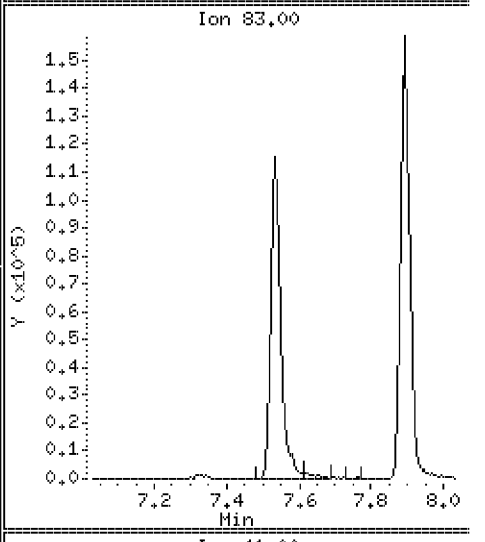


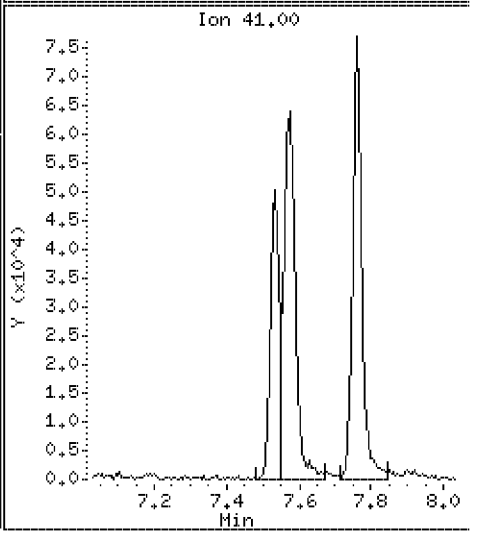












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

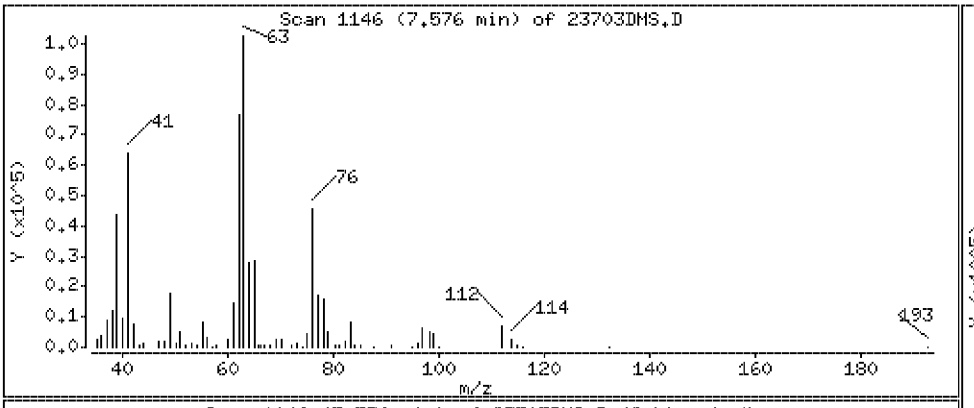
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

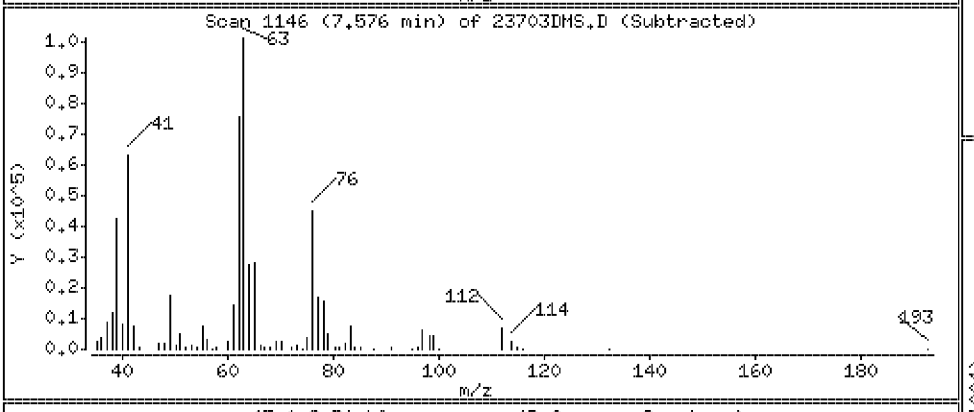
Sample Info: 350023703;3500237;5;

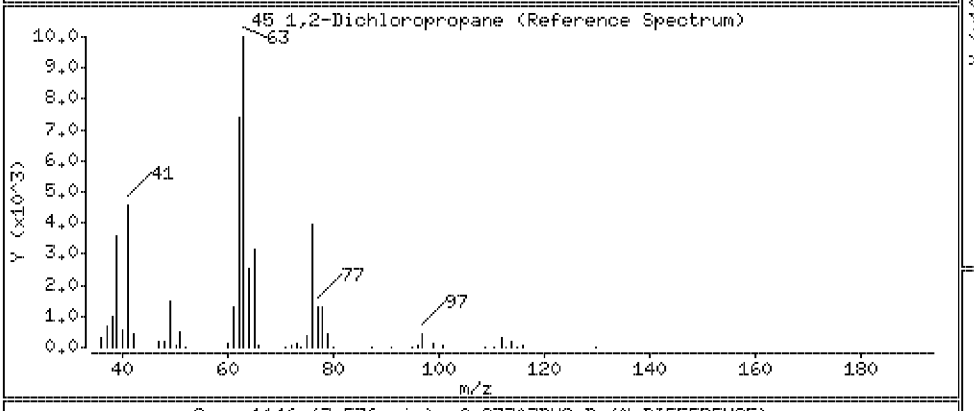
Purge Volume: 5.0 Operator:

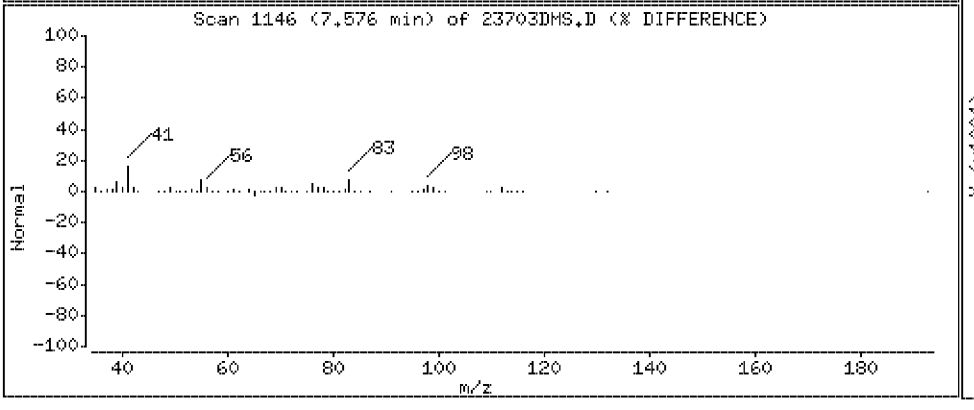
Column phase: RTX-502.2 Column diameter: 0.18

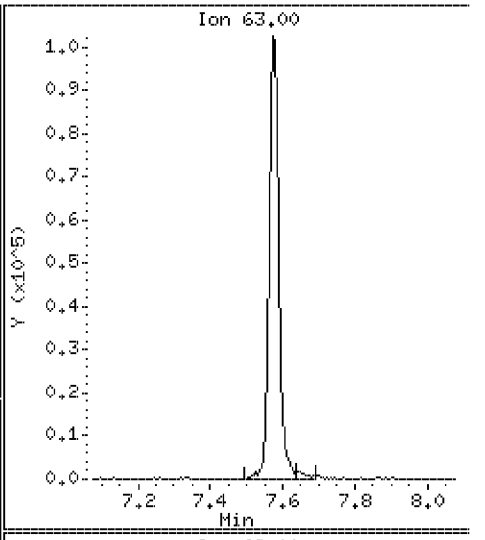
45 1,2-Dichloropropane Concentration: 105 ug/l

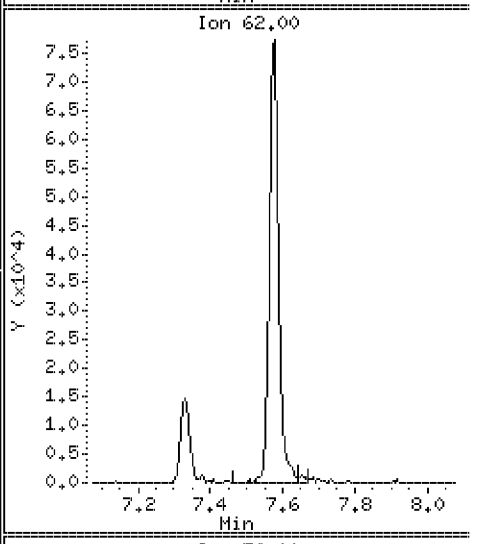


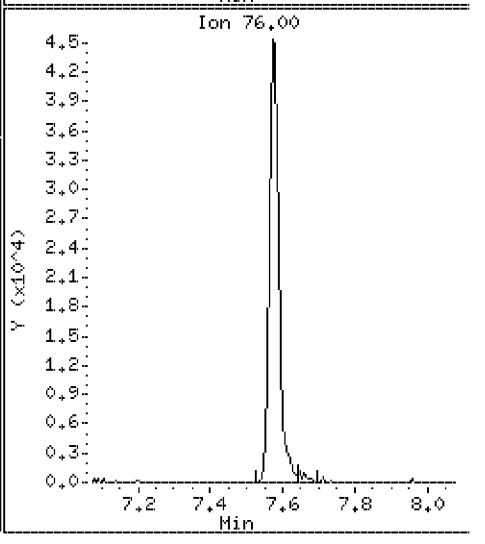












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

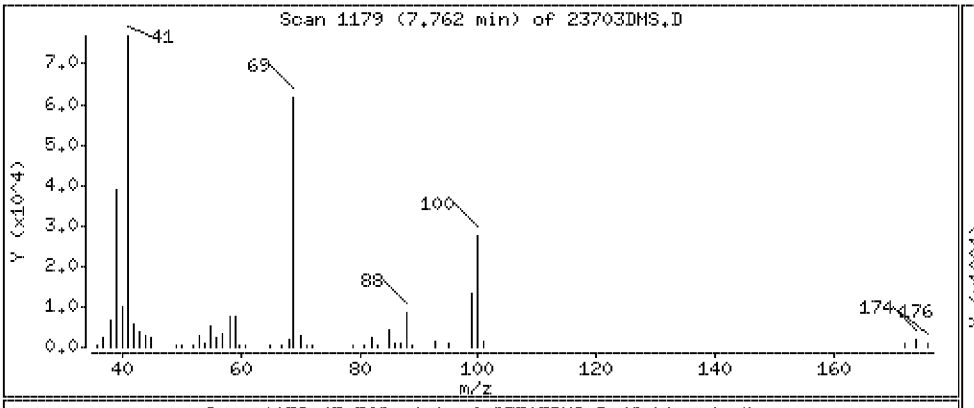
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

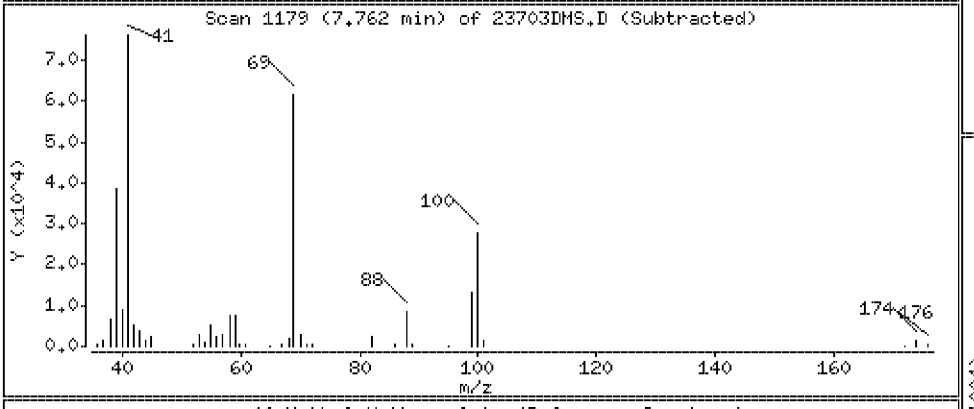
Sample Info: 350023703;3500237;5;

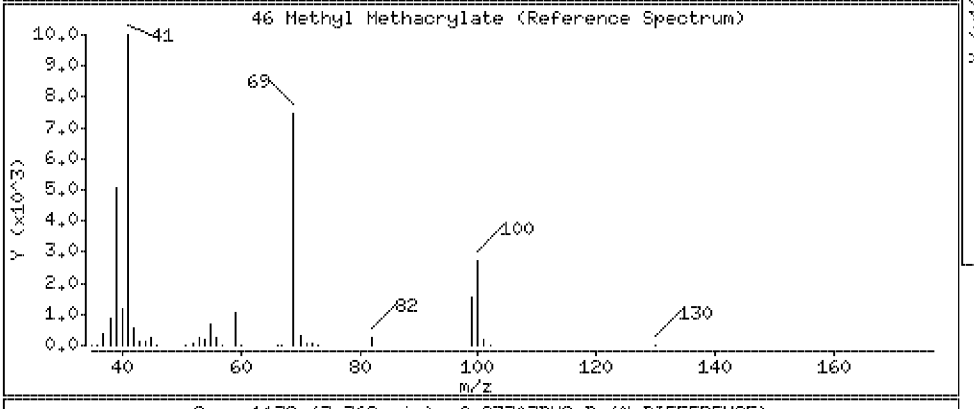
Purge Volume: 5.0 Operator:

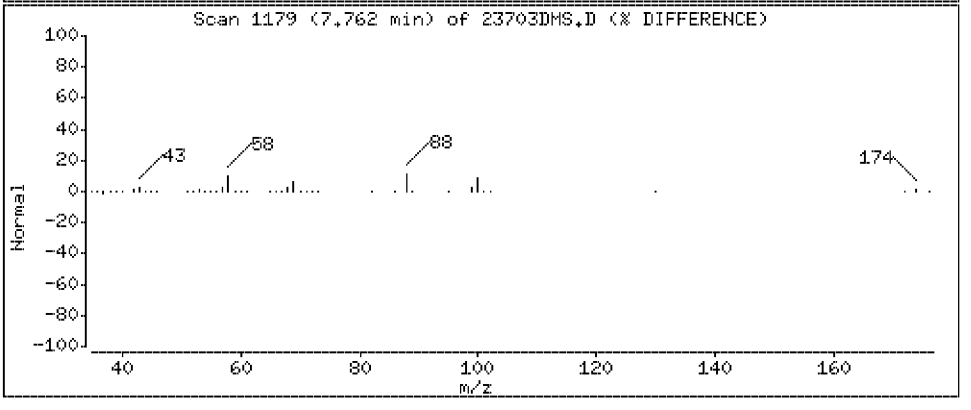
Column phase: RTX-502.2 Column diameter: 0.18

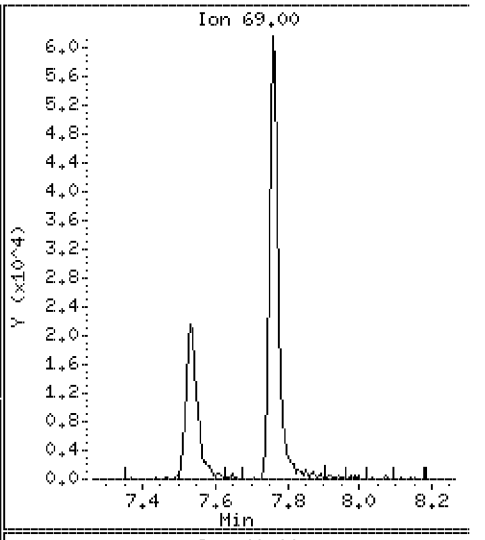
46 Methyl Methacrylate Concentration: 98.3 ug/l

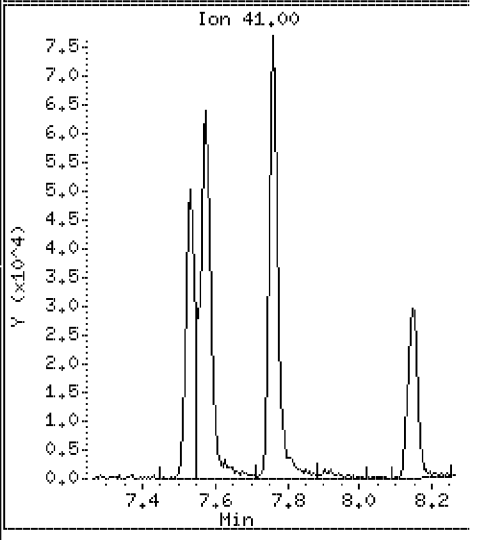












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Date : 27-JUL-2010 15:17

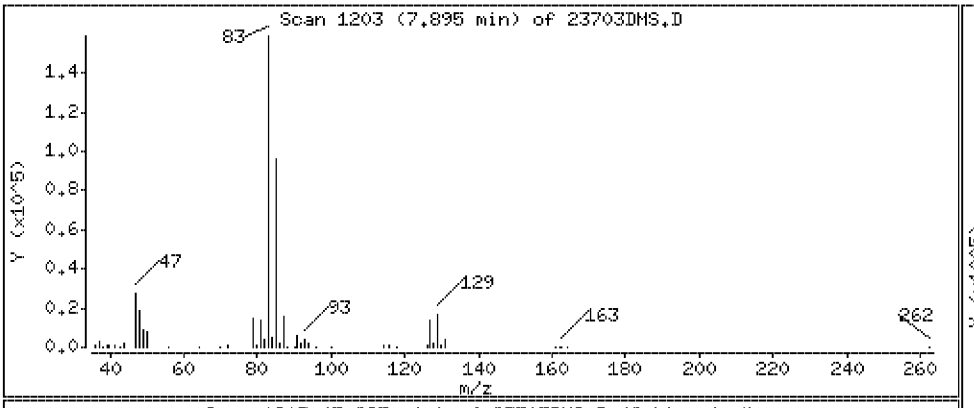
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

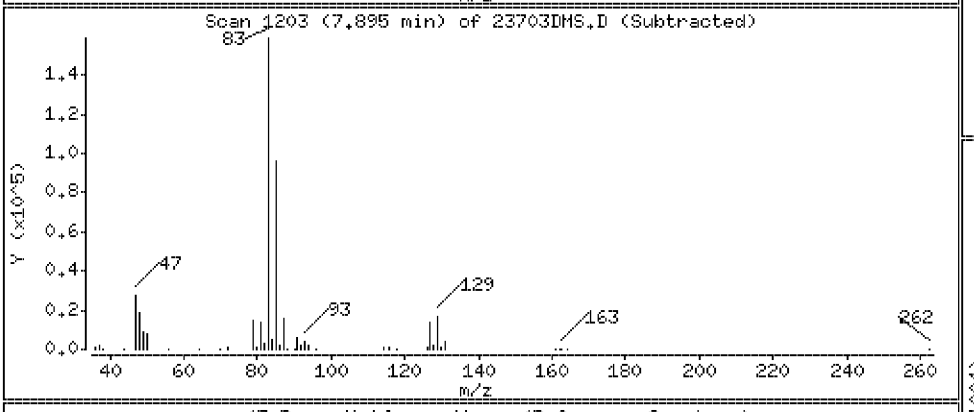
Sample Info: 350023703;3500237;5;

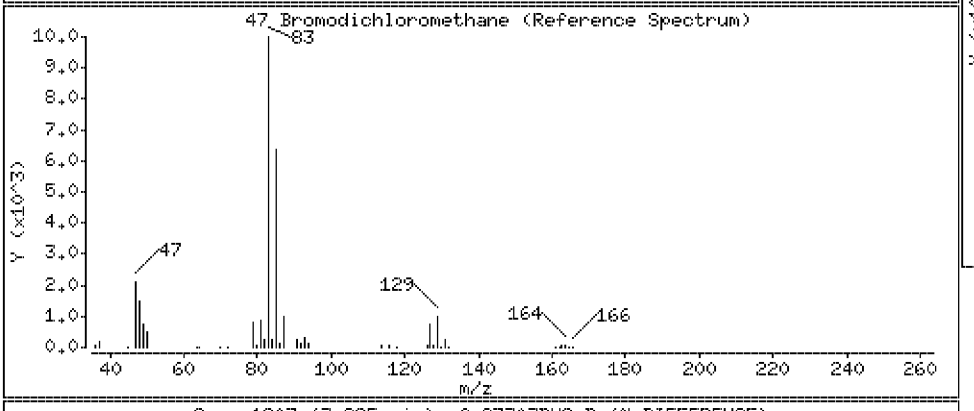
Purge Volume: 5.0 Operator:

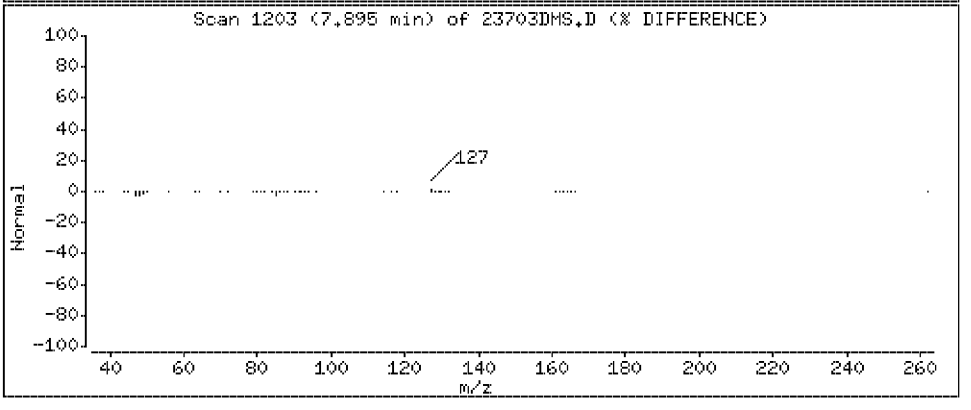
Column phase: RTX-502.2 Column diameter: 0.18

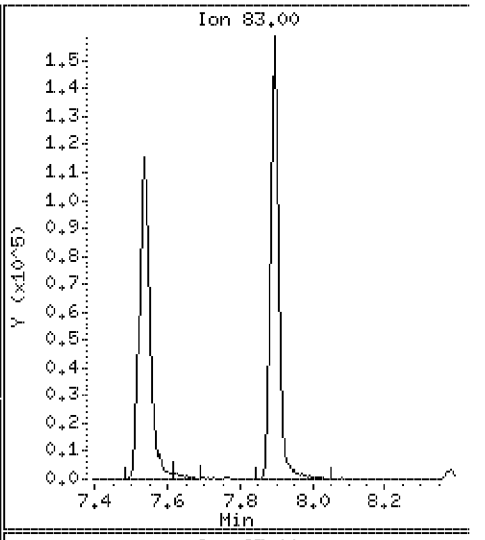
47 Bromodichloromethane Concentration: 102 ug/l

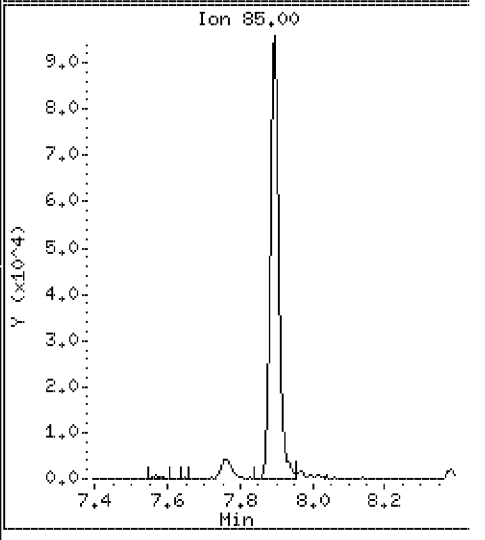












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

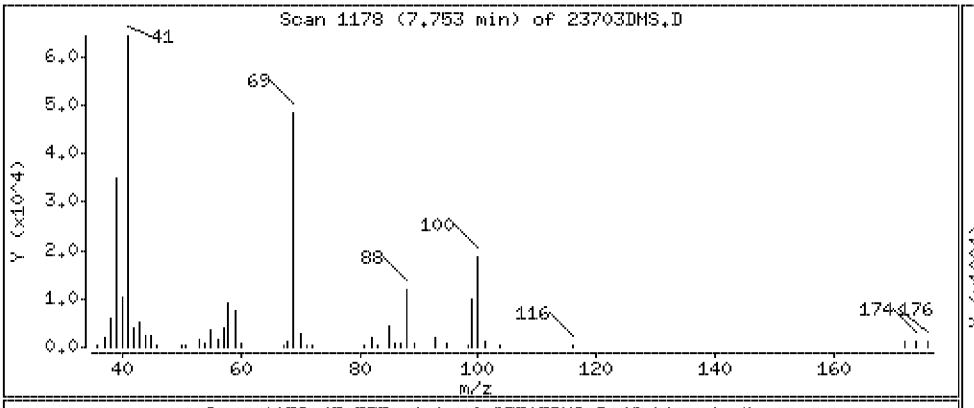
Operator:

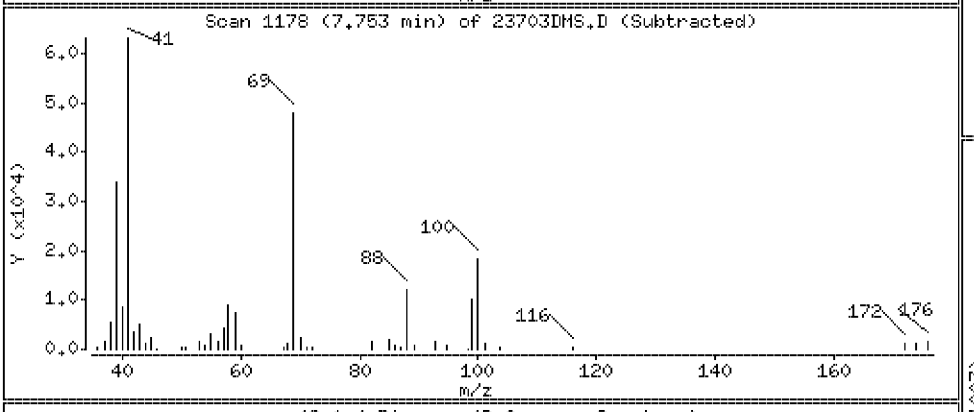
Column phase: RTX-502.2

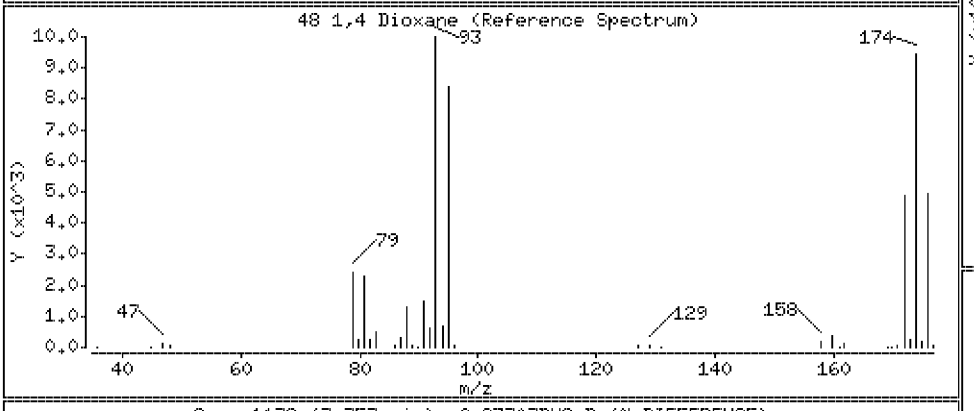
Column diameter: 0.18

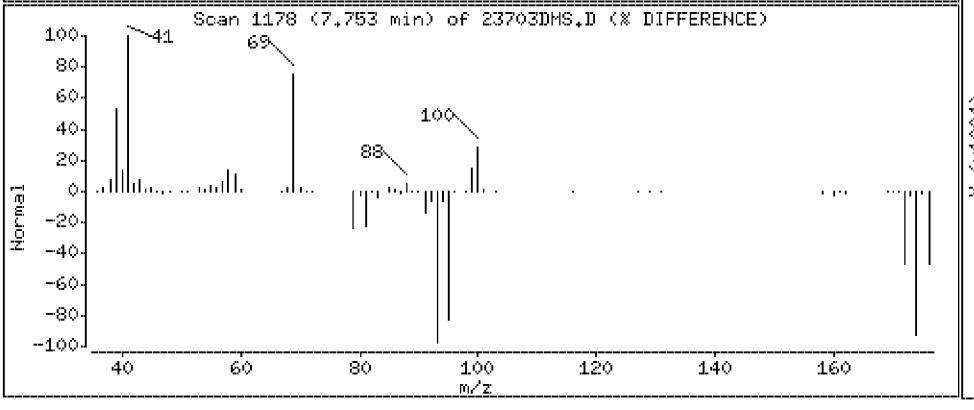
48 1,4 Dioxane

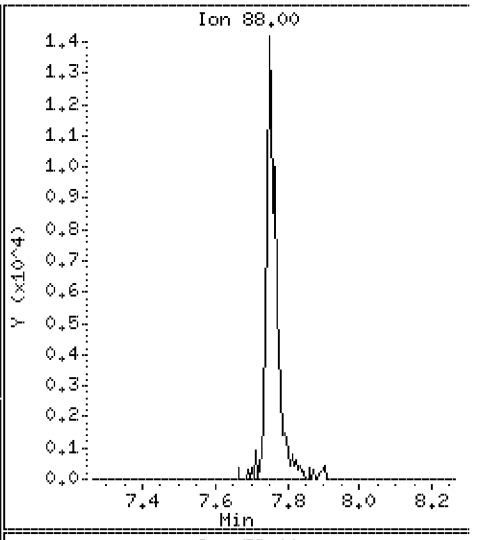
Concentration: 2060 ug/l

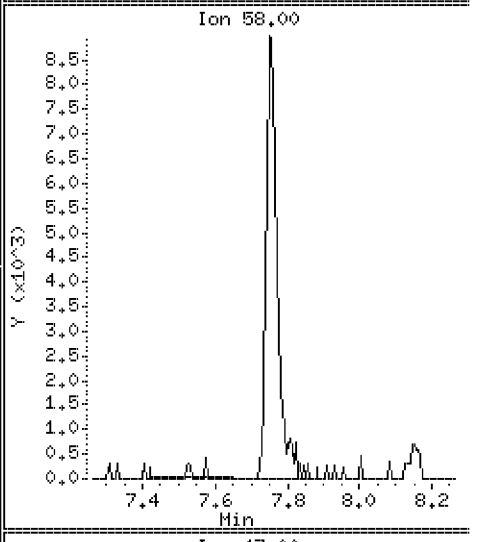


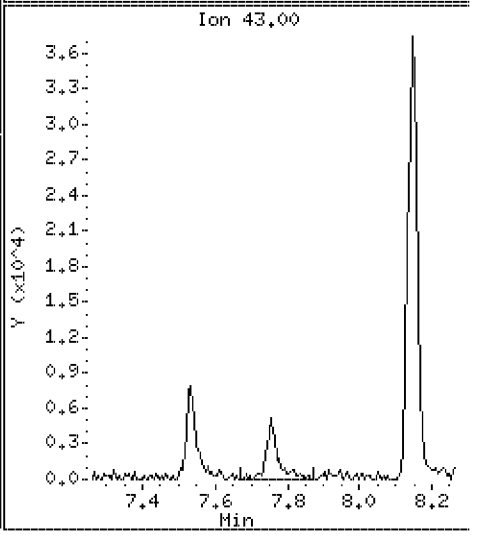












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

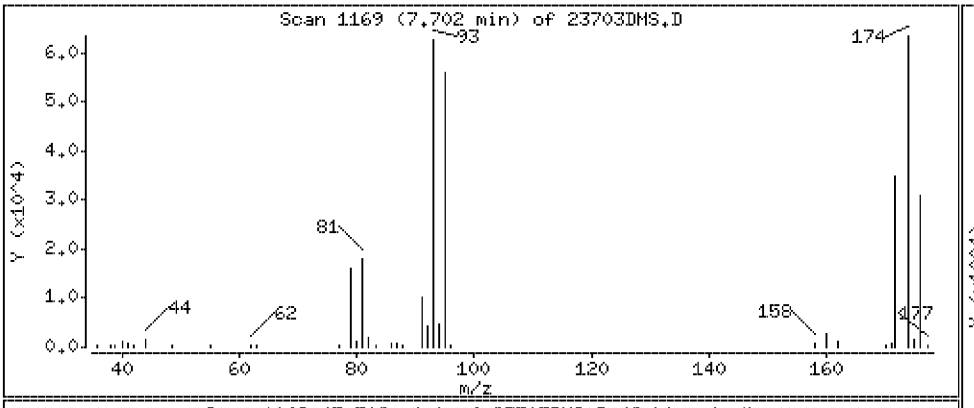
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

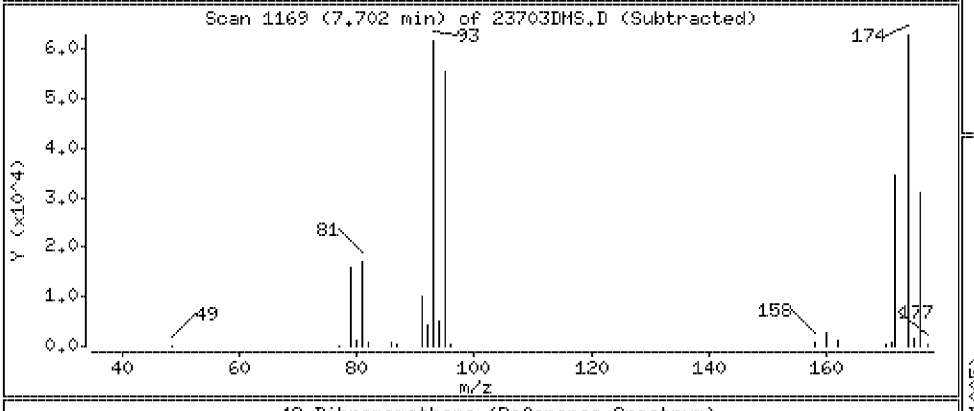
Sample Info: 350023703;3500237;5;

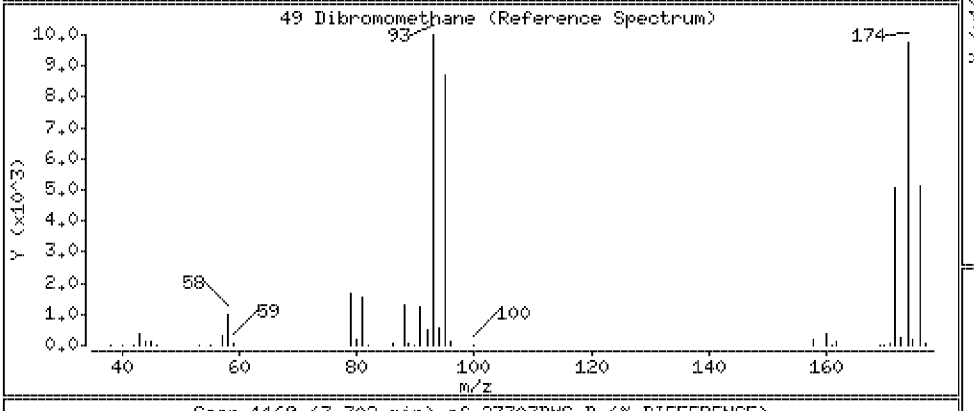
Purge Volume: 5.0 Operator:

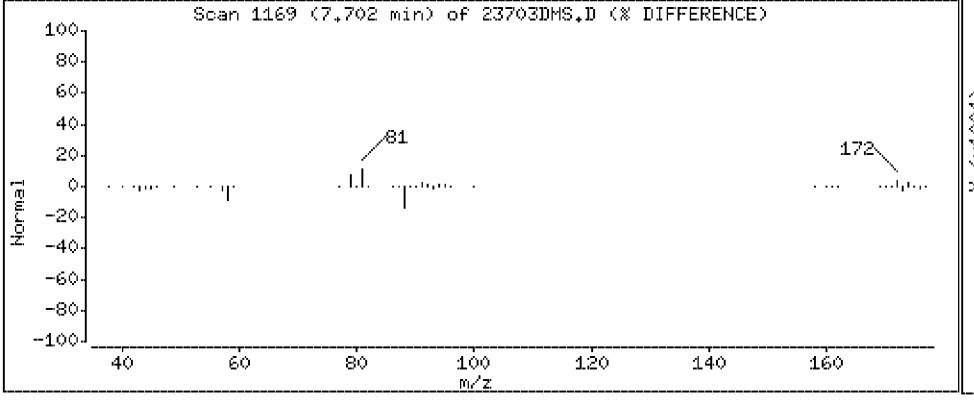
Column phase: RTX-502.2 Column diameter: 0.18

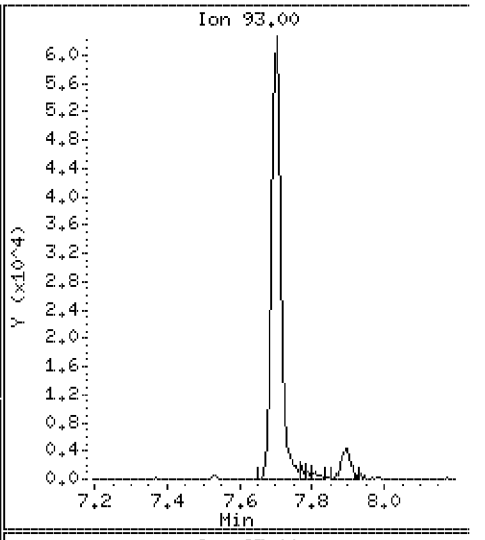
49 Dibromomethane Concentration: 103 ug/l

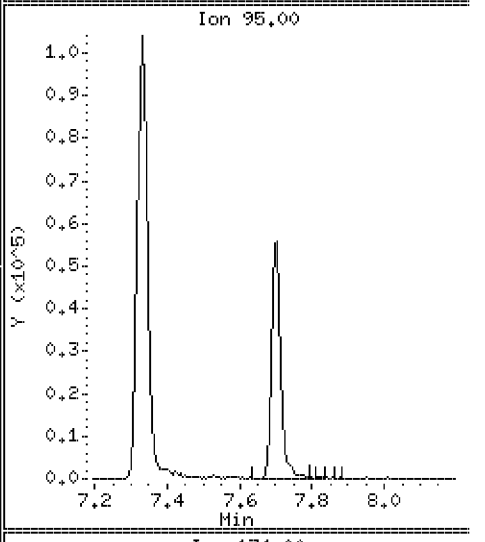


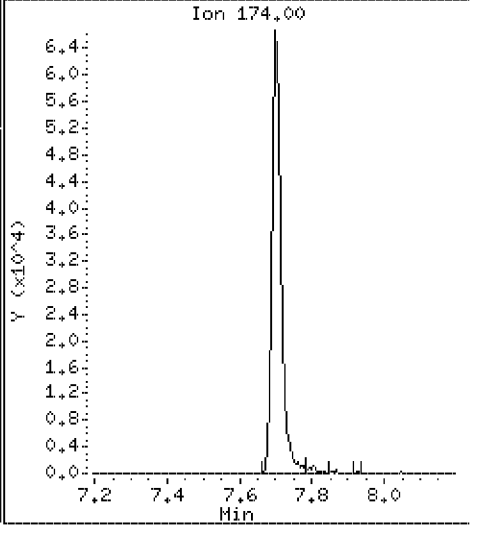












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

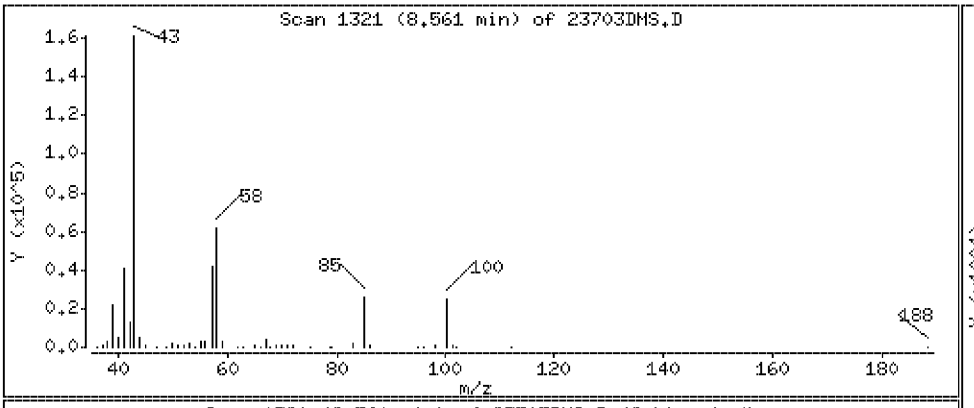
Operator:

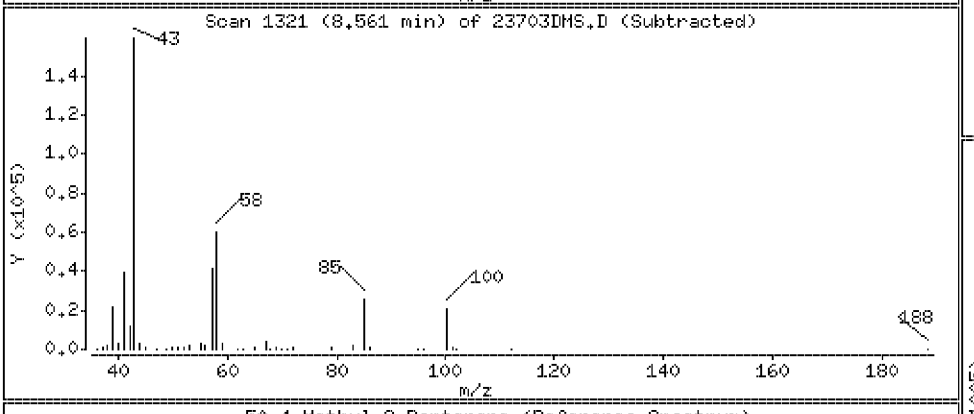
Column phase: RTX-502.2

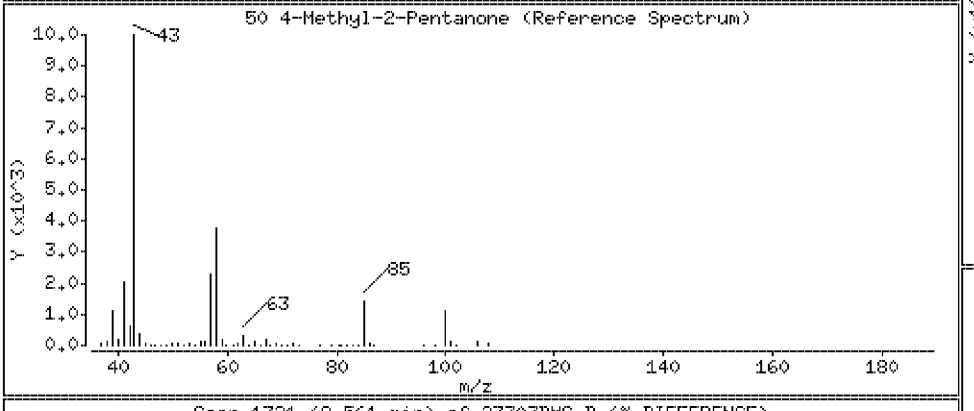
Column diameter: 0.18

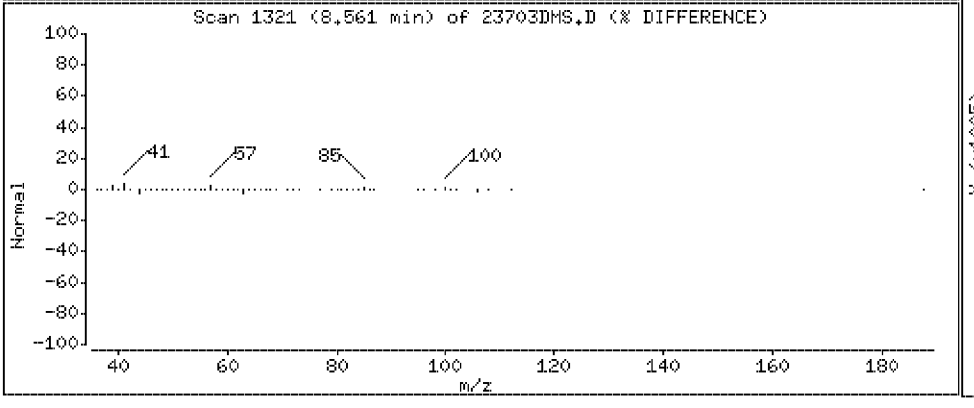
50 4-Methyl-2-Pentanone

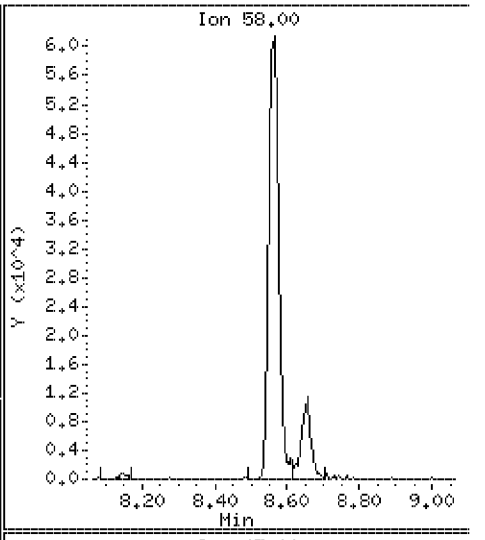
Concentration: 208 ug/l

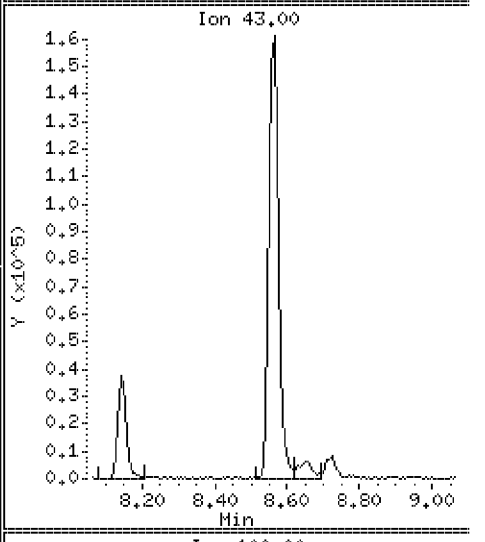


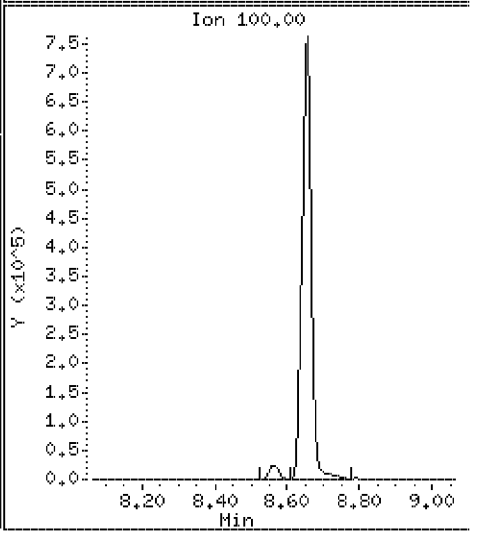












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

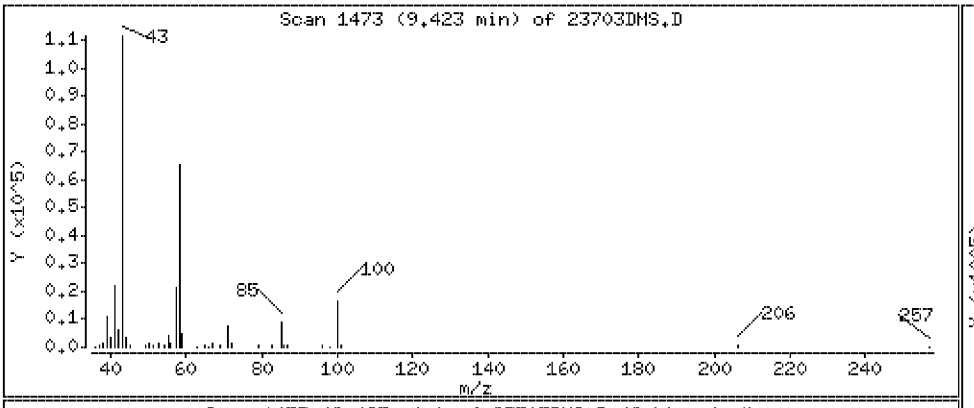
Operator:

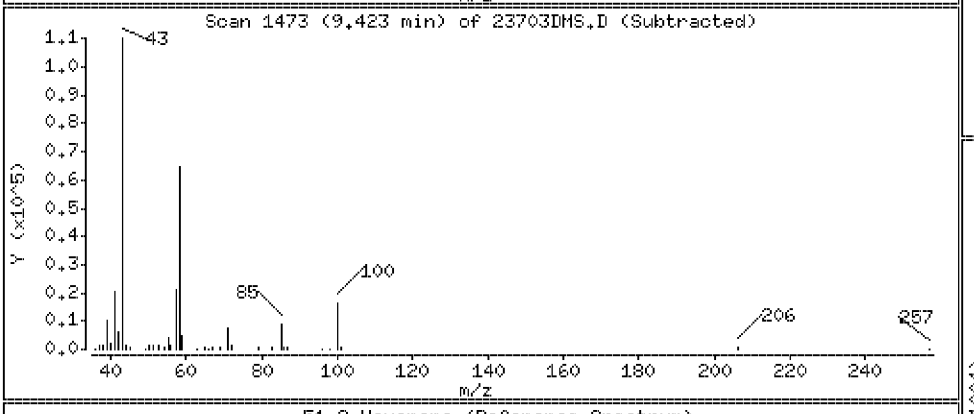
Column phase: RTX-502.2

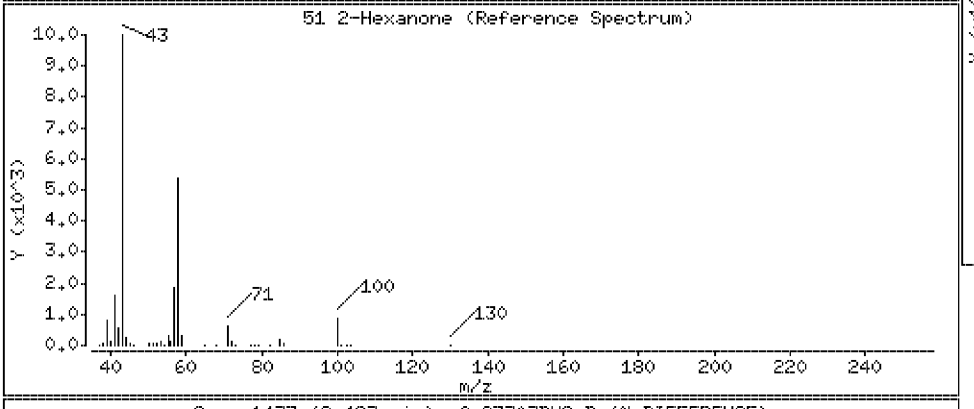
Column diameter: 0.18

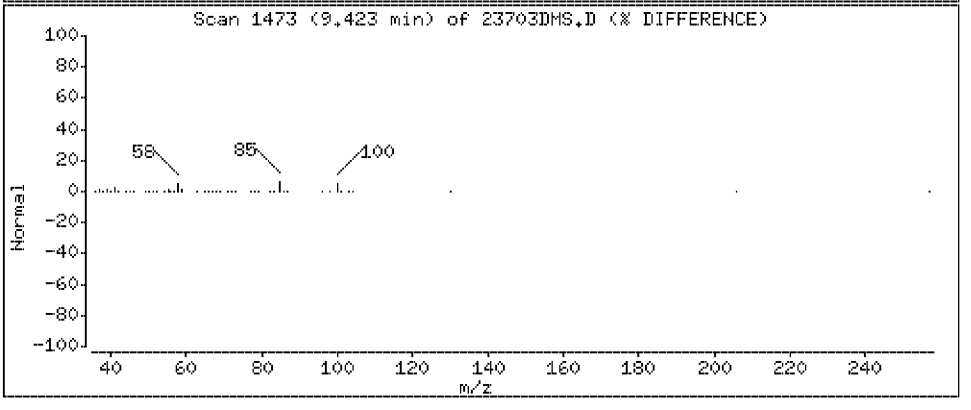
51 2-Hexanone

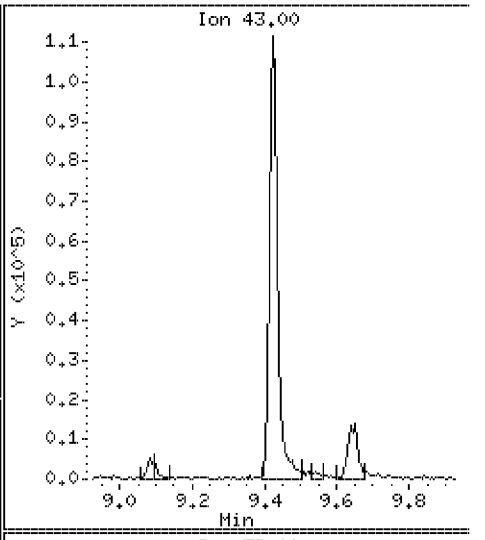
Concentration: 196 ug/l

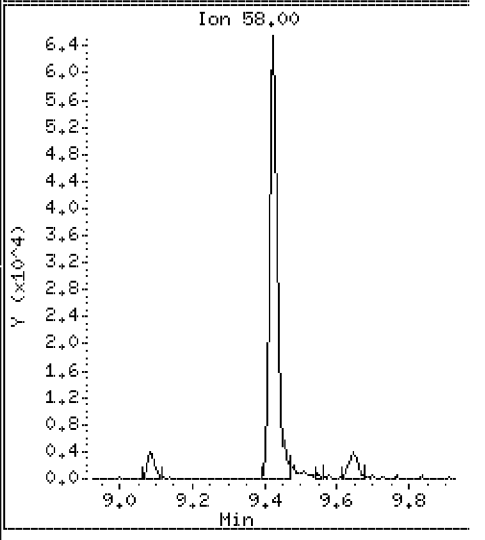












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

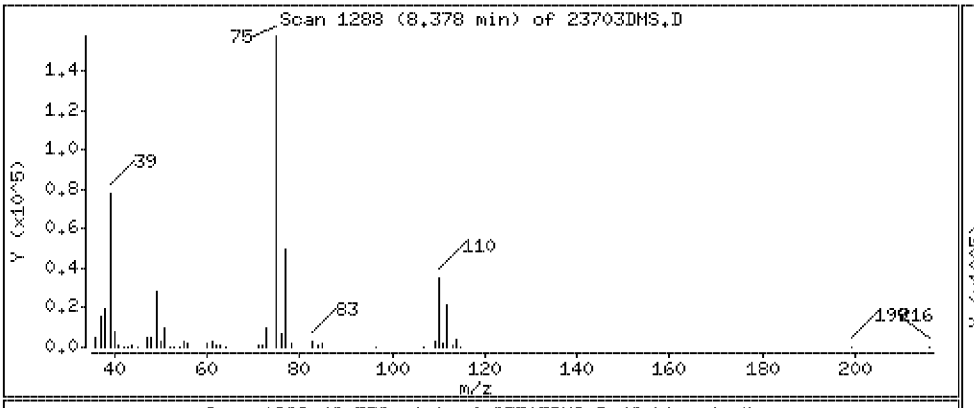
Operator:

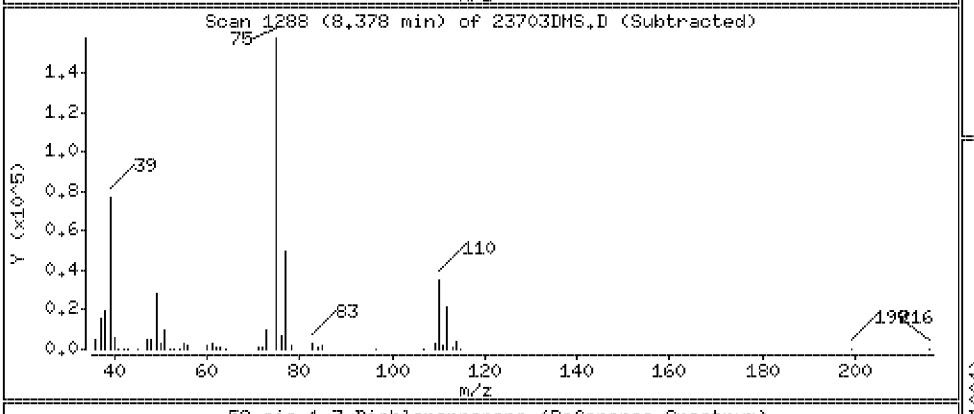
Column phase: RTX-502.2

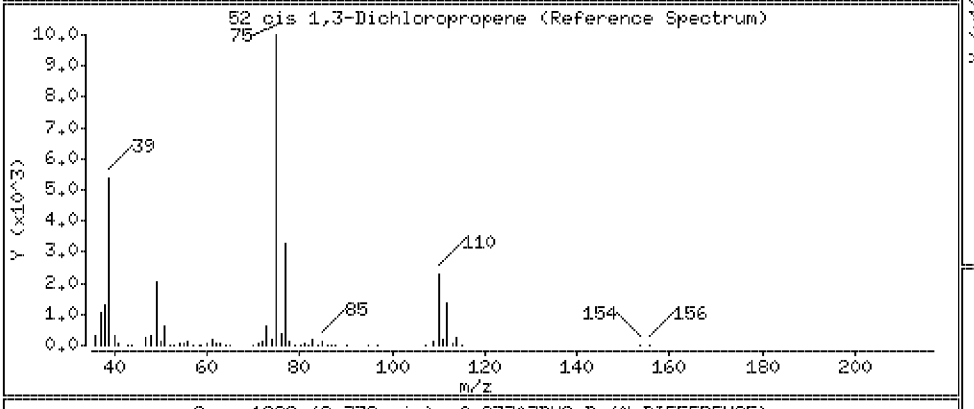
Column diameter: 0.18

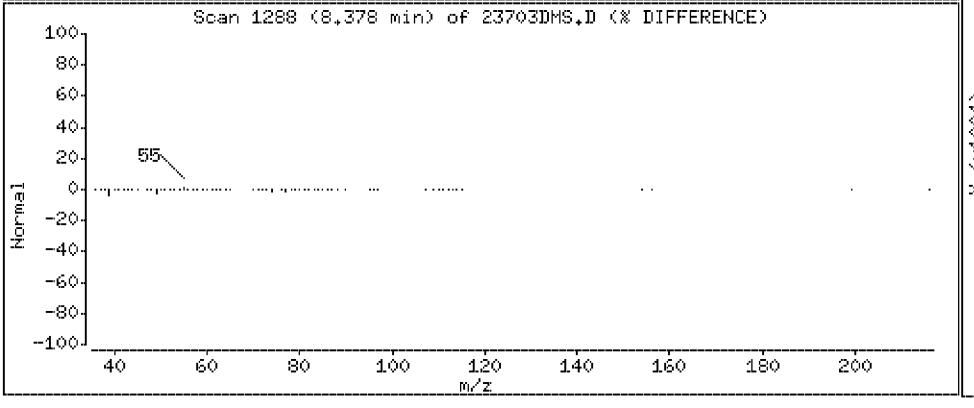
52 cis 1,3-Dichloropropene

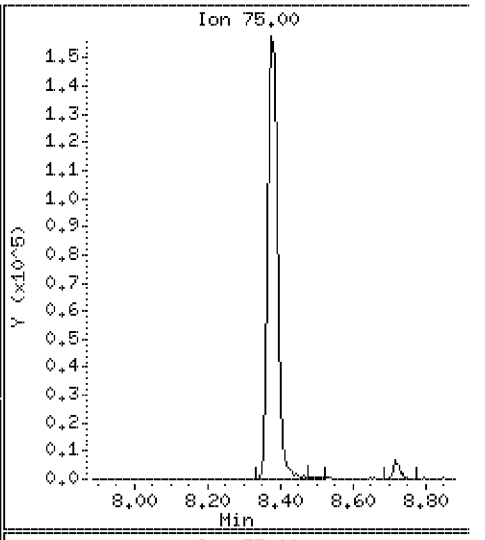
Concentration: 101 ug/l

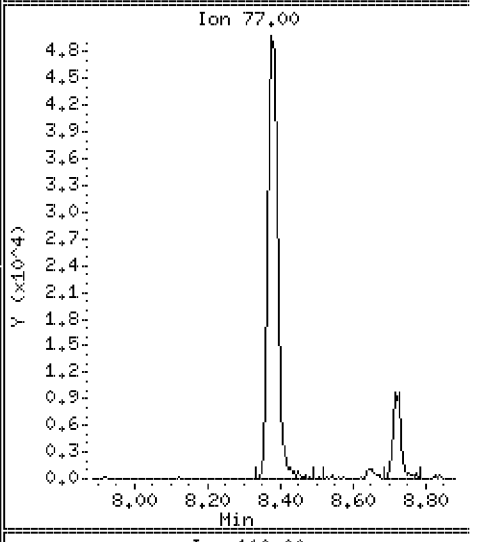


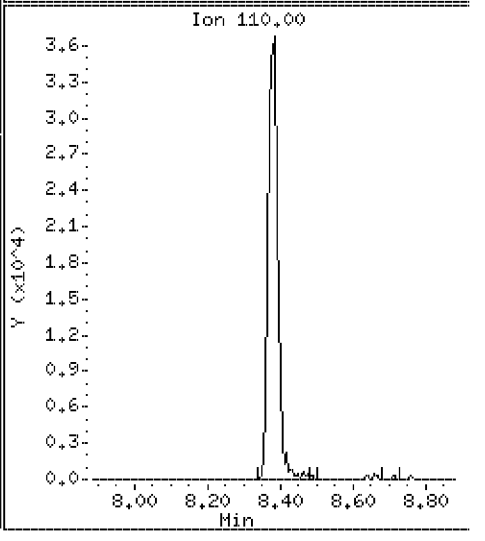












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

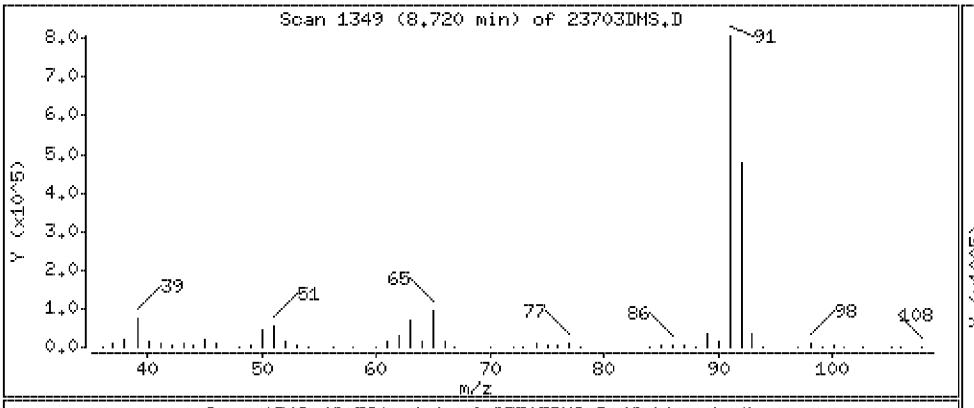
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

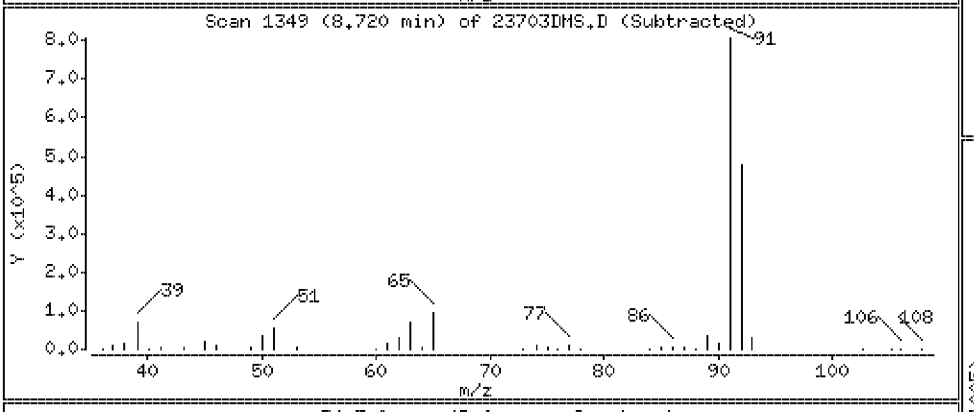
Sample Info: 350023703;3500237;5;

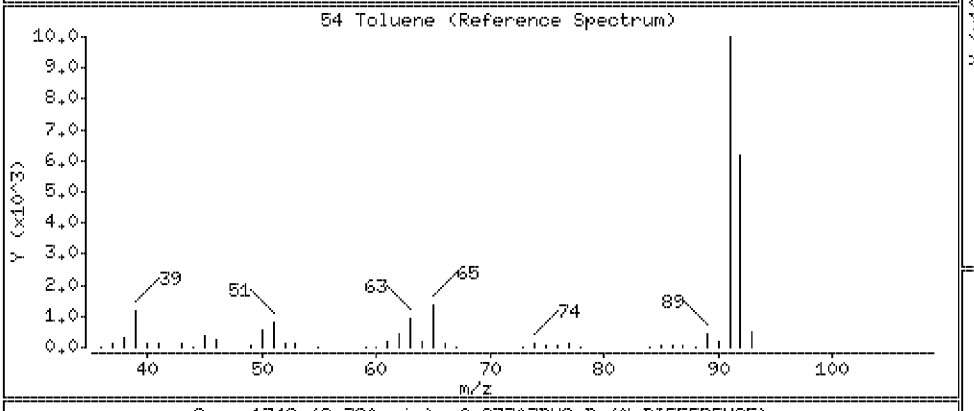
Purge Volume: 5.0 Operator:

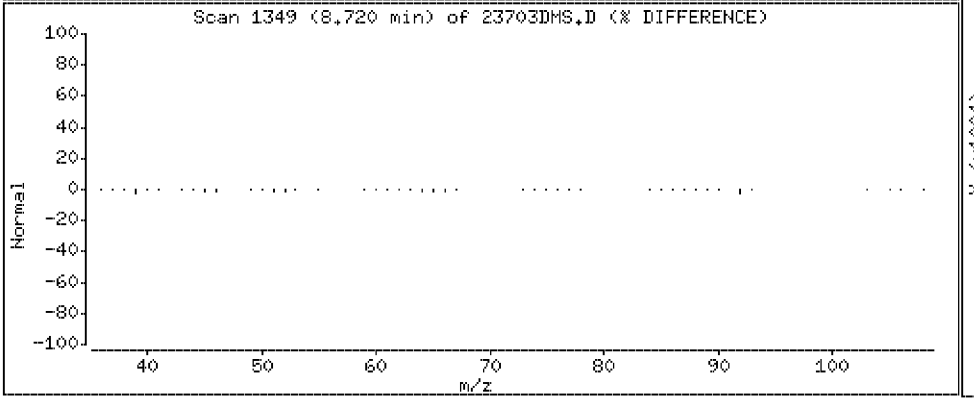
Column phase: RTX-502.2 Column diameter: 0.18

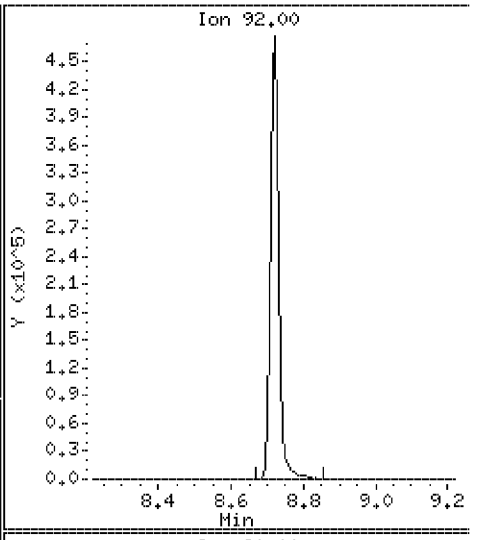
54 Toluene Concentration: 181 ug/l

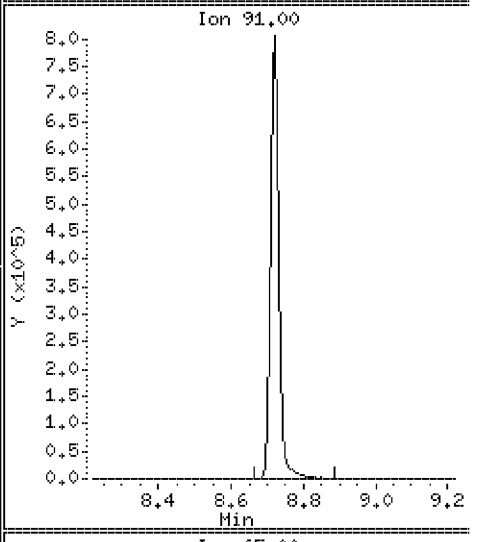


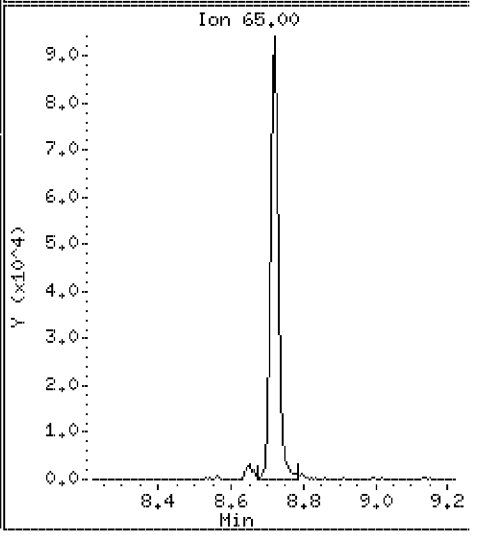












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

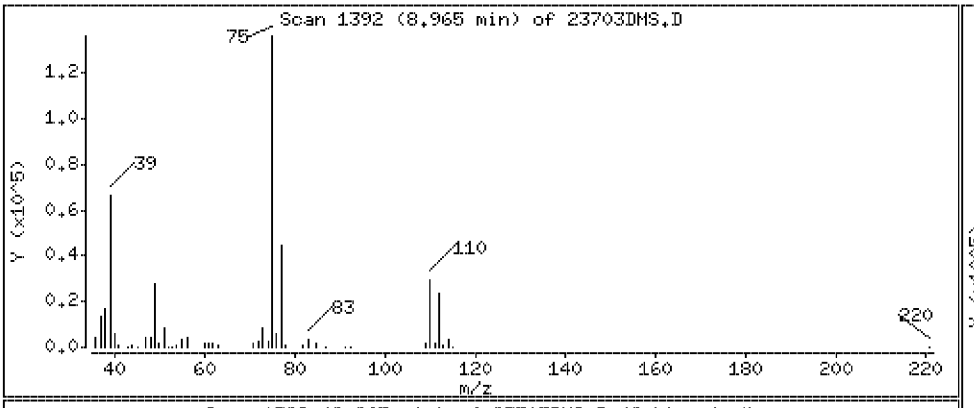
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

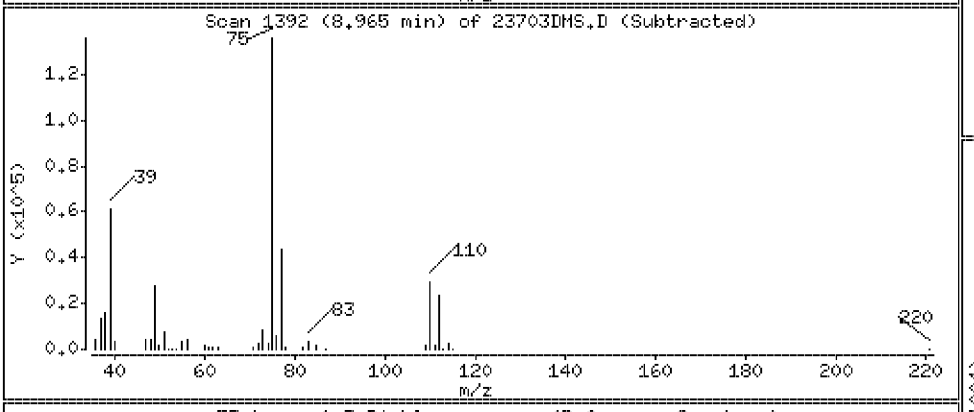
Sample Info: 350023703;3500237;5;

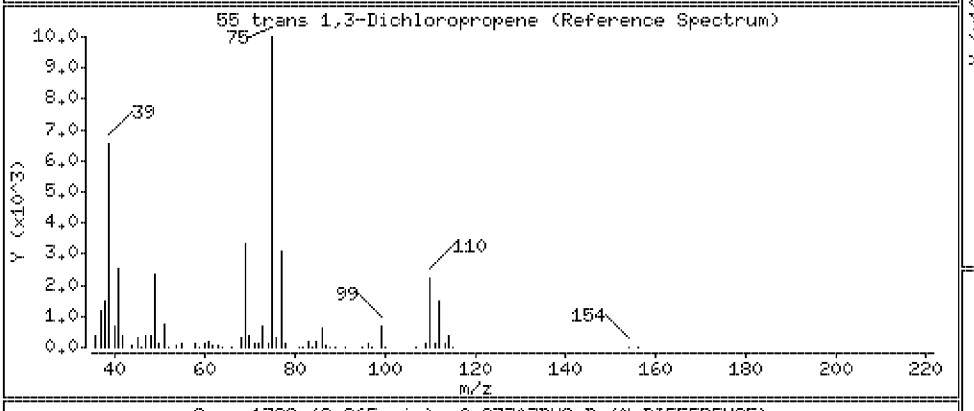
Purge Volume: 5.0 Operator:

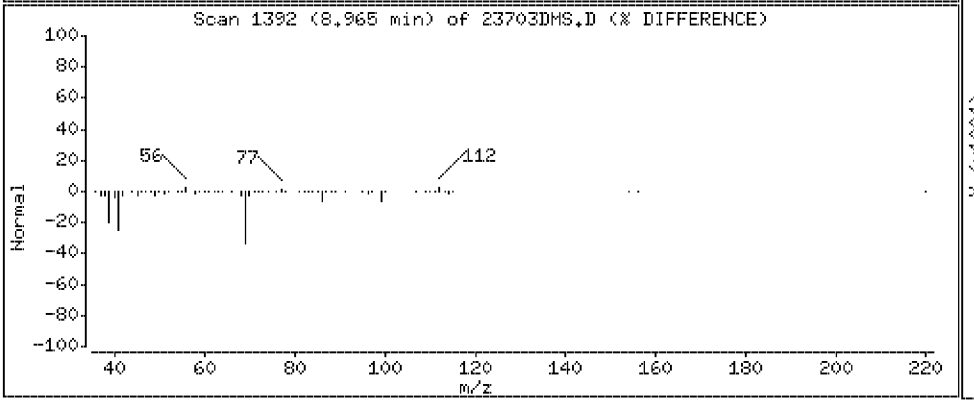
Column phase: RTX-502.2 Column diameter: 0.18

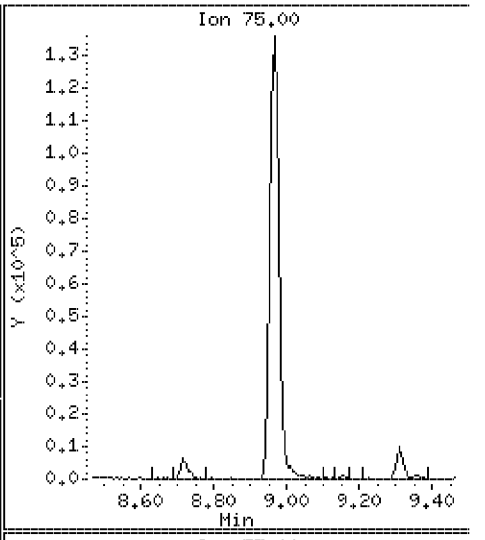
55 trans 1,3-Dichloropropene Concentration: 91.3 ug/l

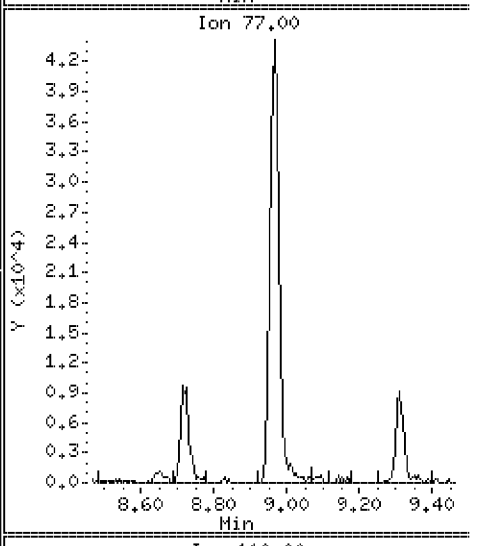


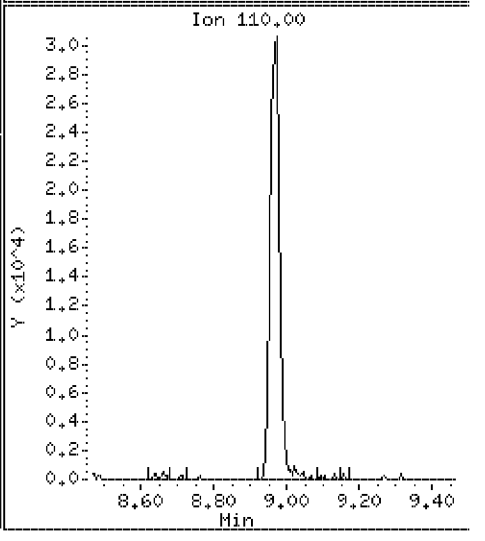












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

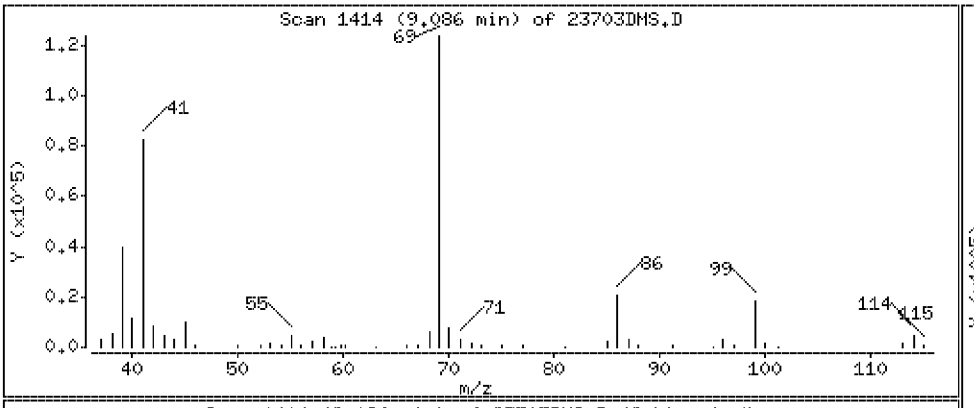
Operator:

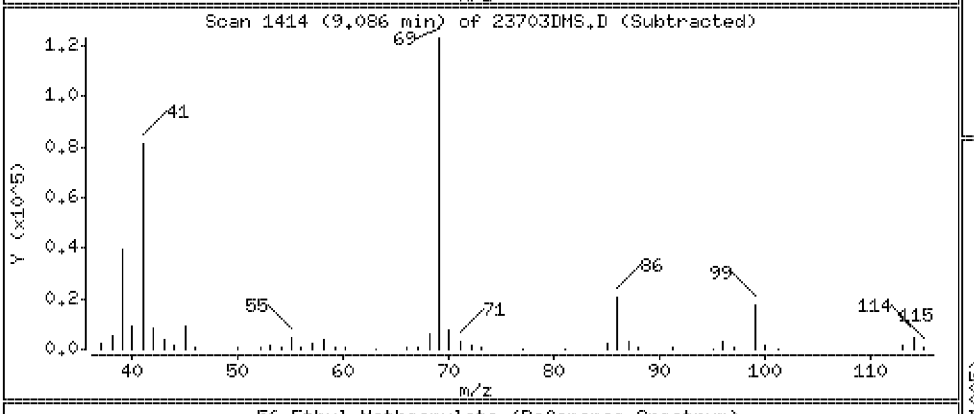
Column phase: RTX-502.2

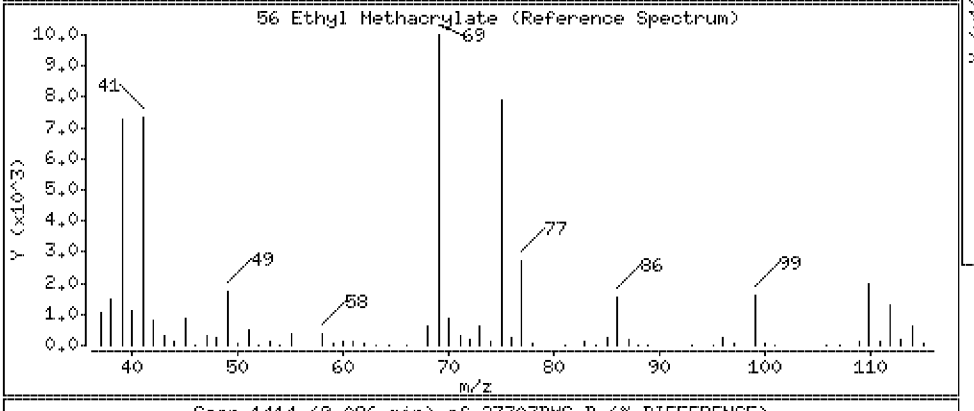
Column diameter: 0.18

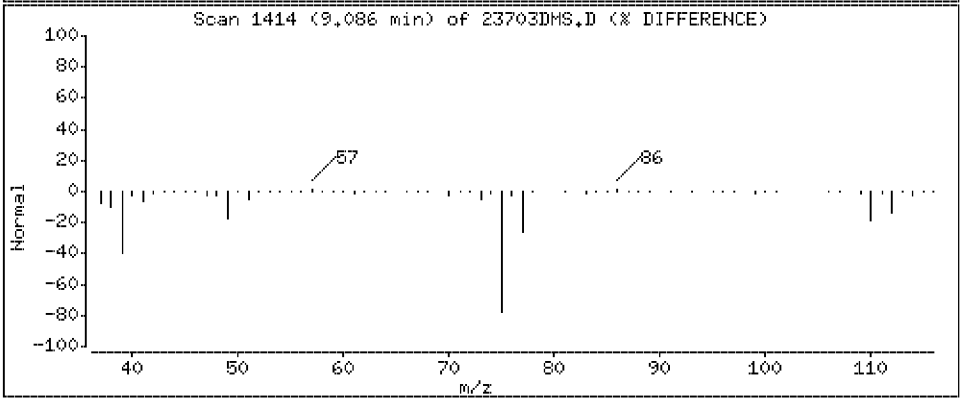
56 Ethyl Methacrylate

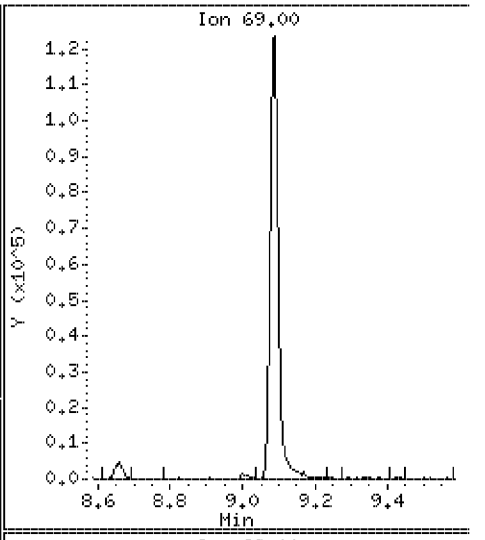
Concentration: 98.8 ug/l

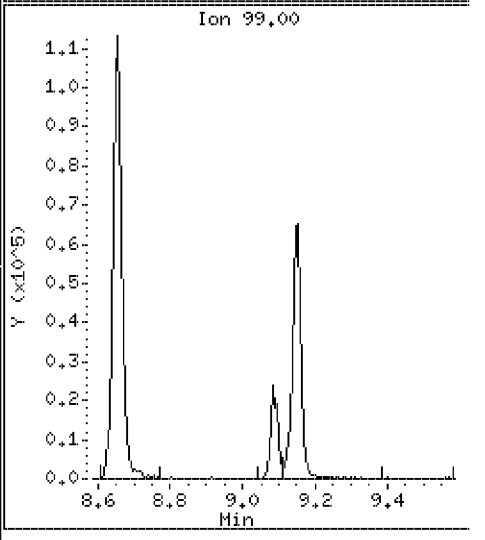












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

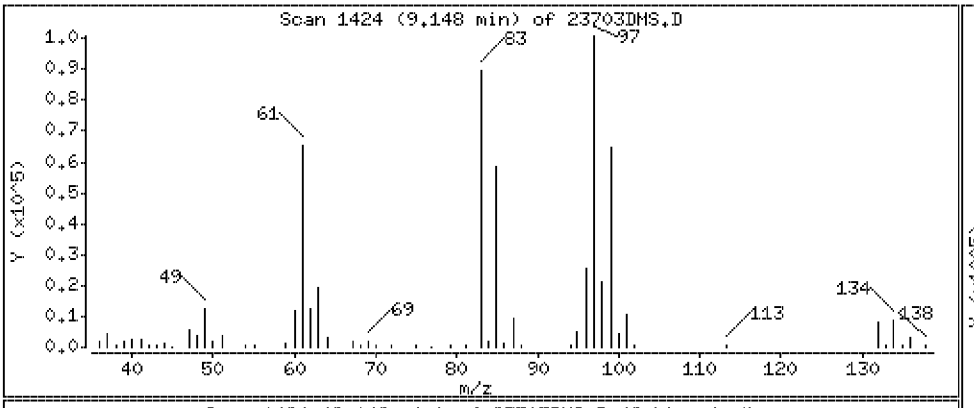
Operator:

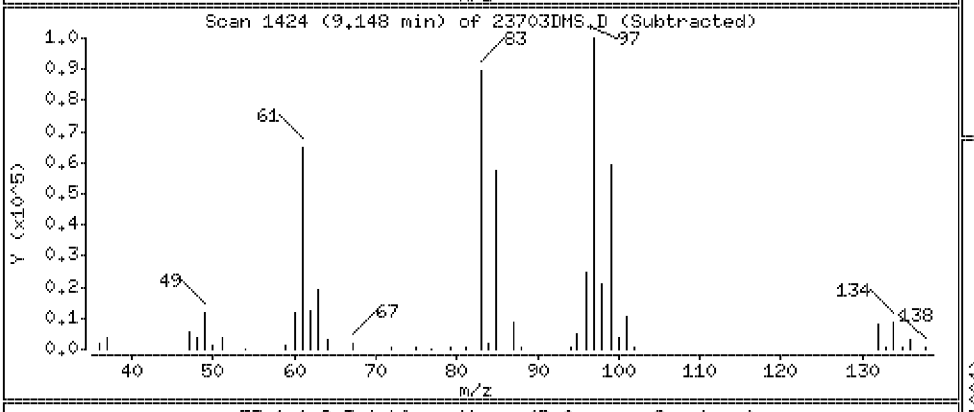
Column phase: RTX-502.2

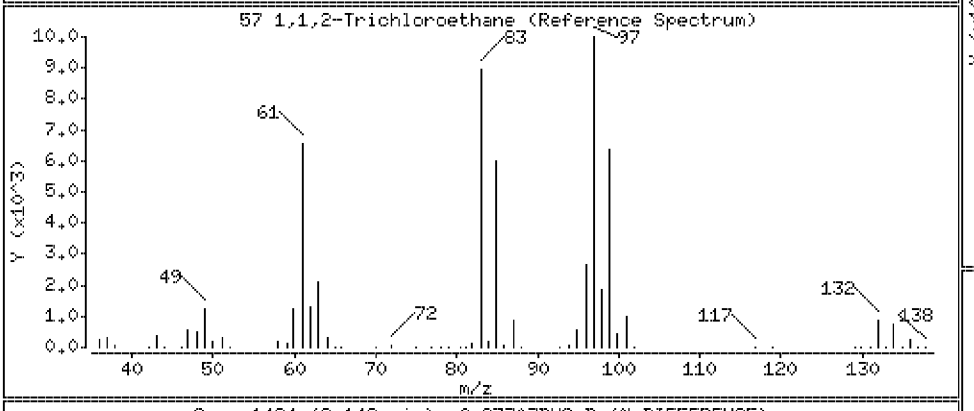
Column diameter: 0.18

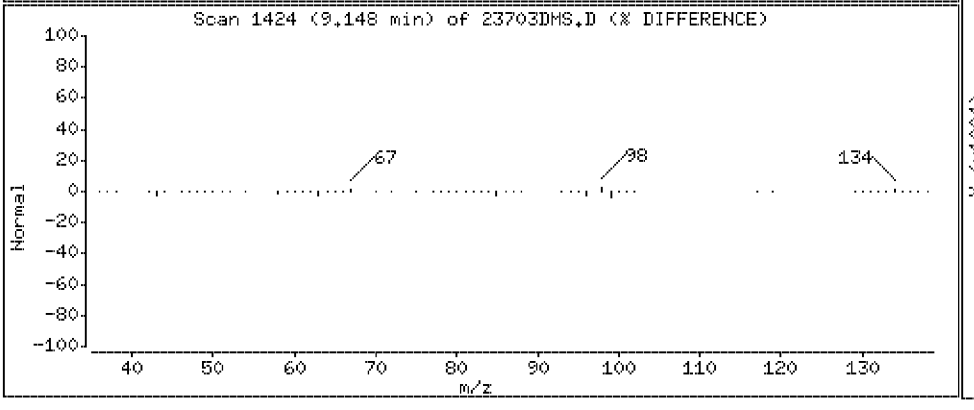
57 1,1,2-Trichloroethane

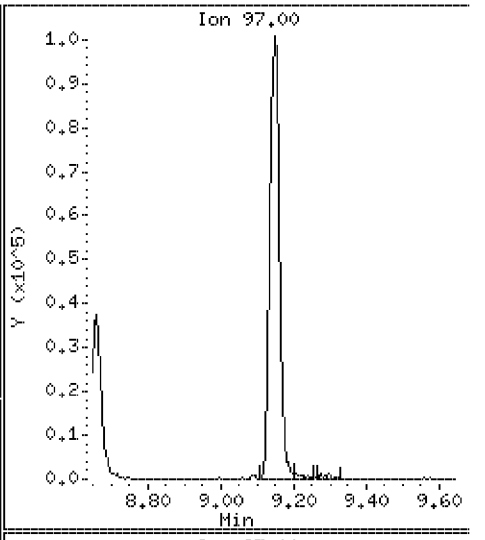
Concentration: 106 ug/l

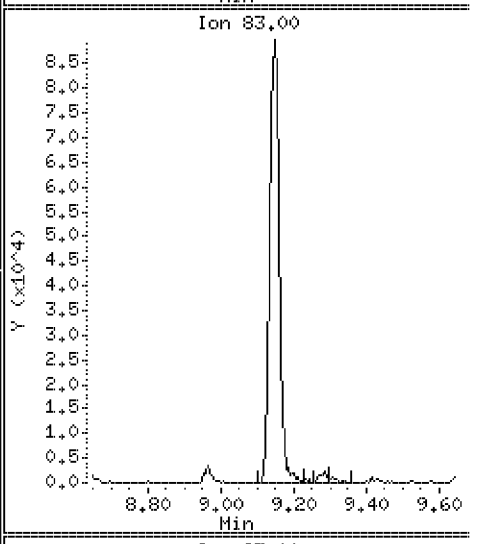


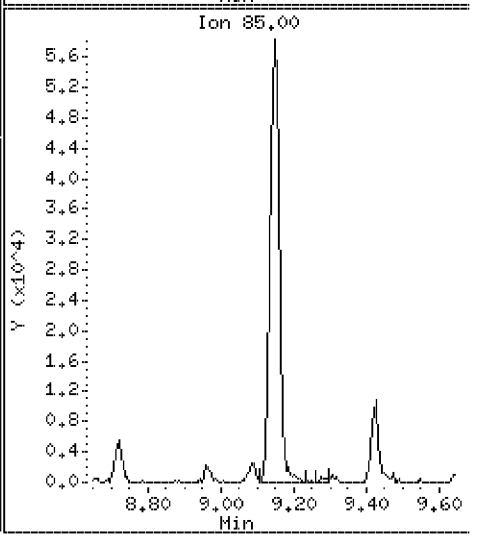












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

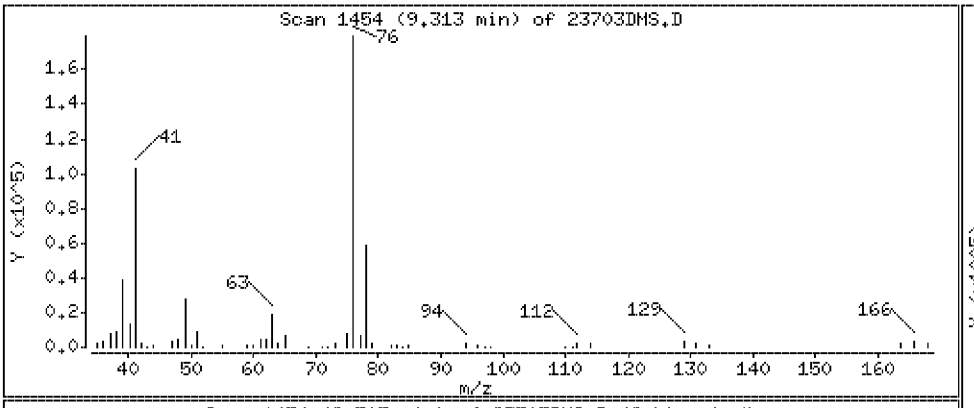
Operator:

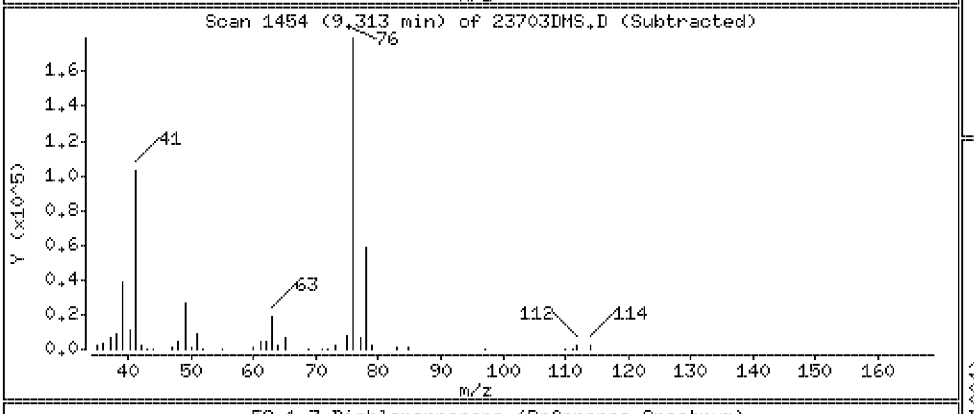
Column phase: RTX-502.2

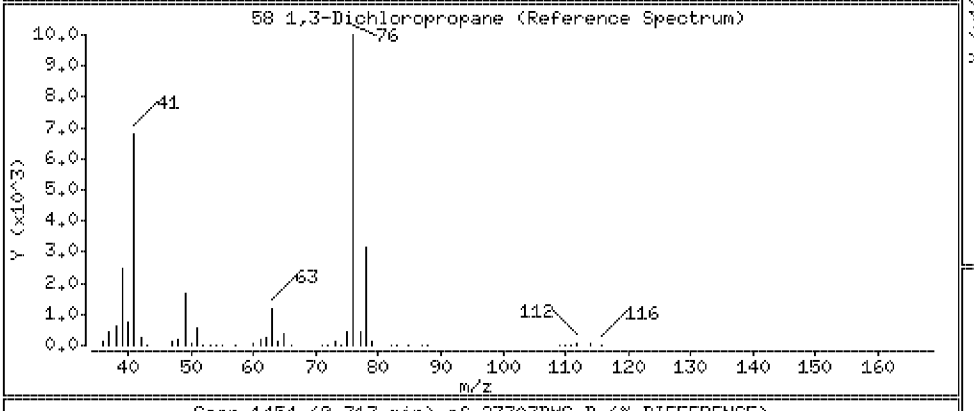
Column diameter: 0.18

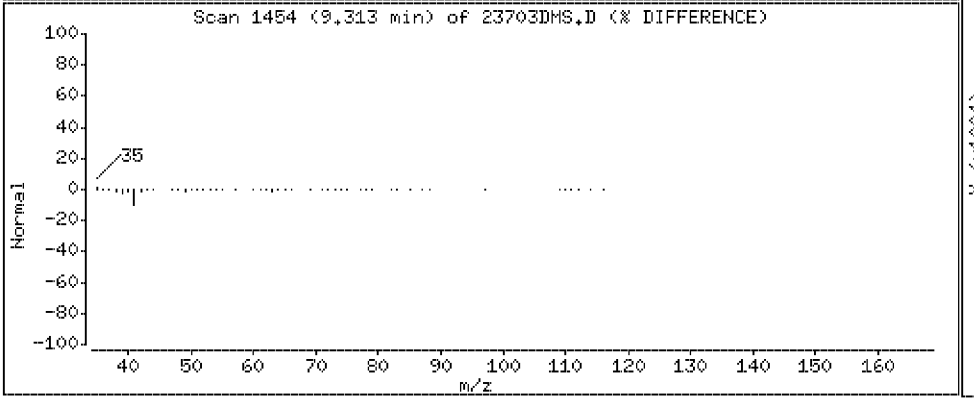
58 1,3-Dichloropropane

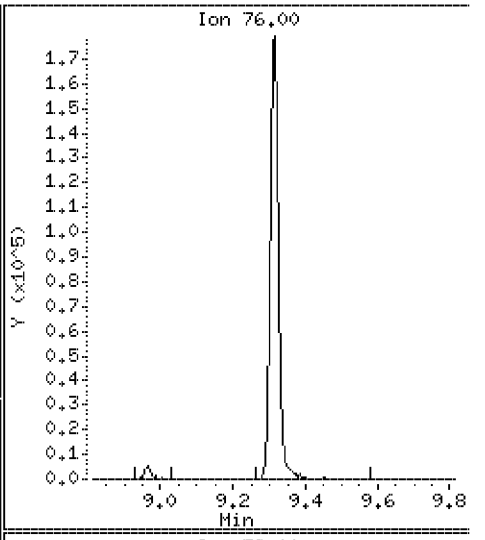
Concentration: 103 ug/l

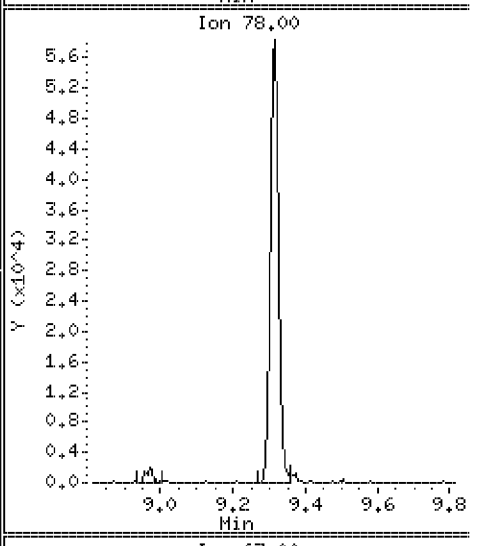


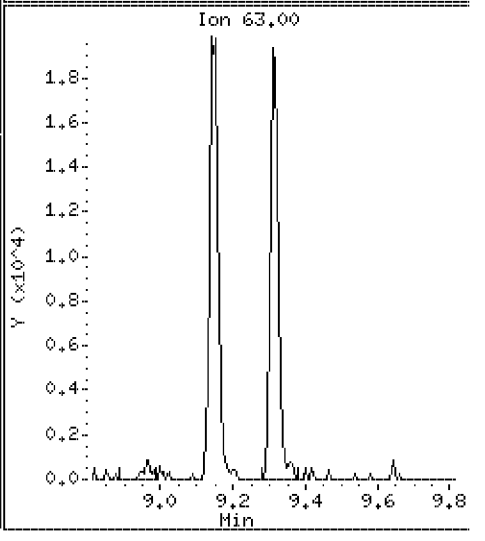












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

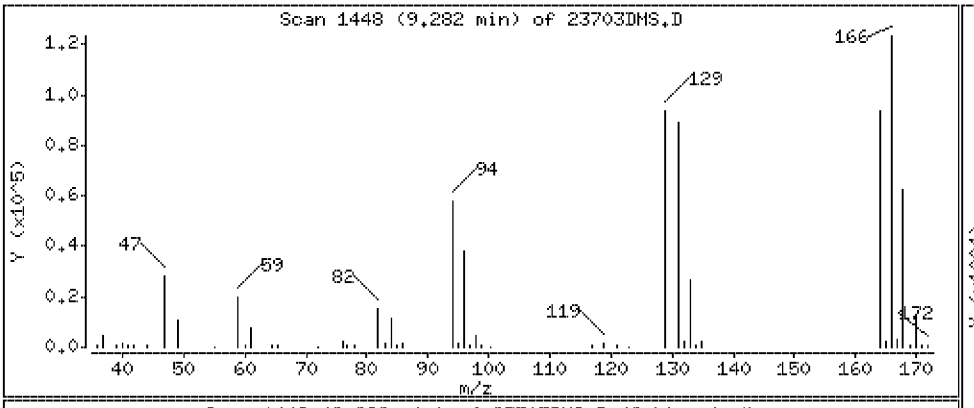
Operator:

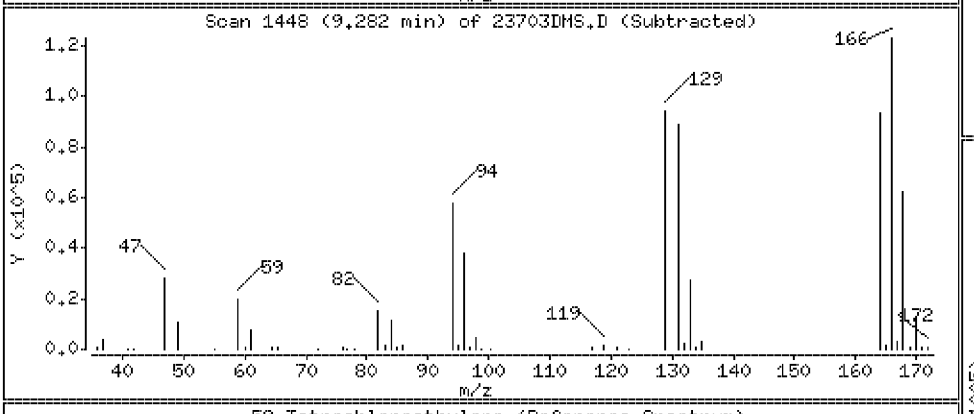
Column phase: RTX-502.2

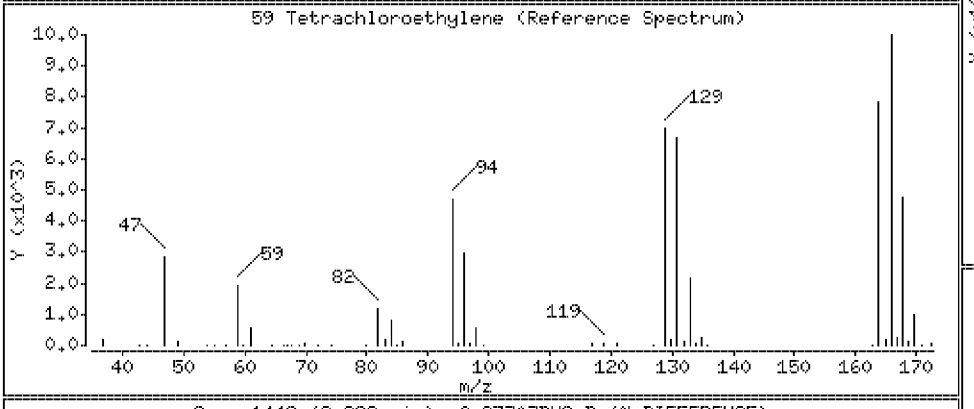
Column diameter: 0.18

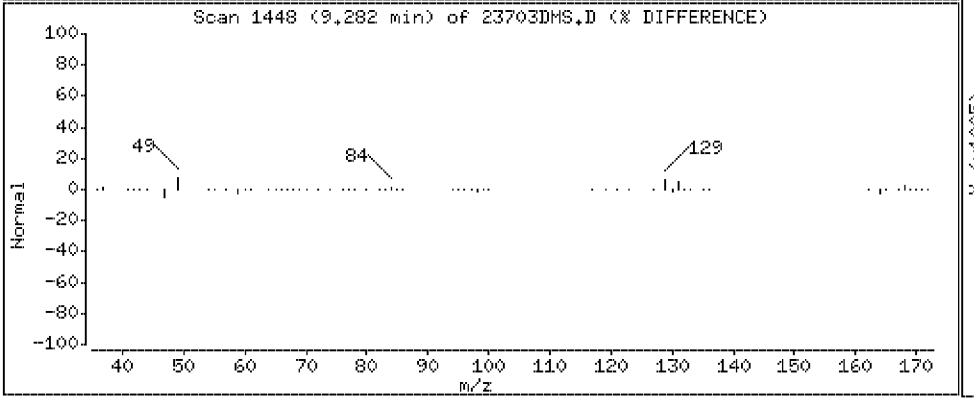
59 Tetrachloroethylene

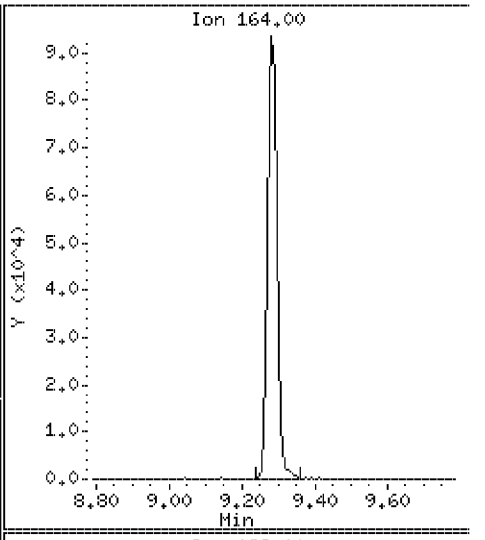
Concentration: 104 ug/l

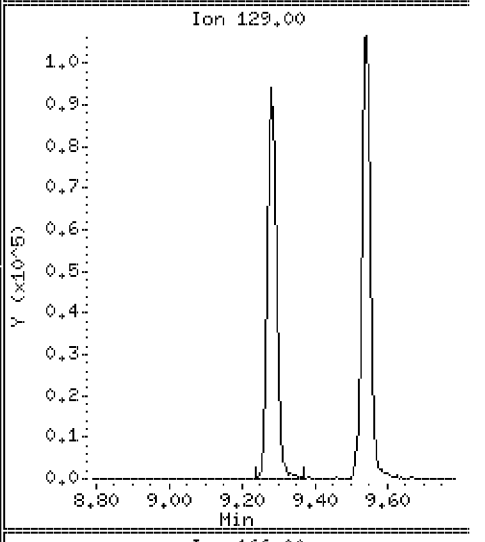


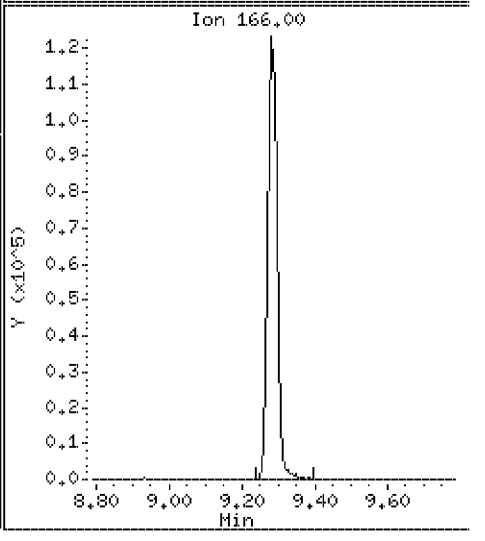












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

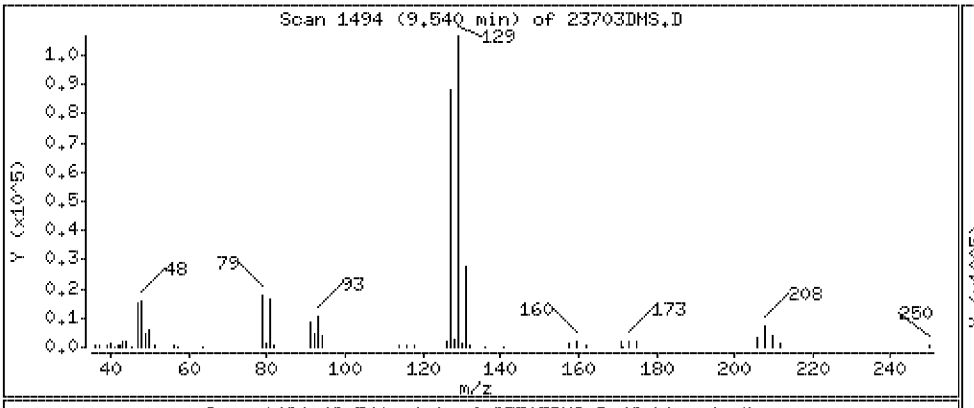
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

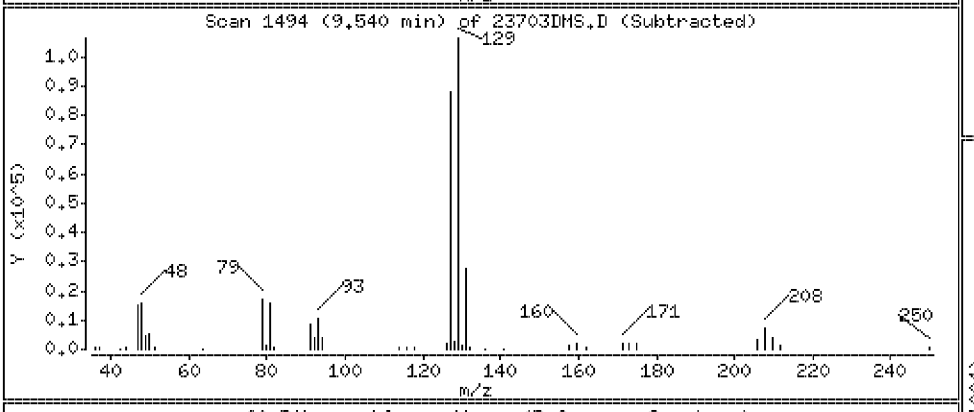
Sample Info: 350023703;3500237;5;

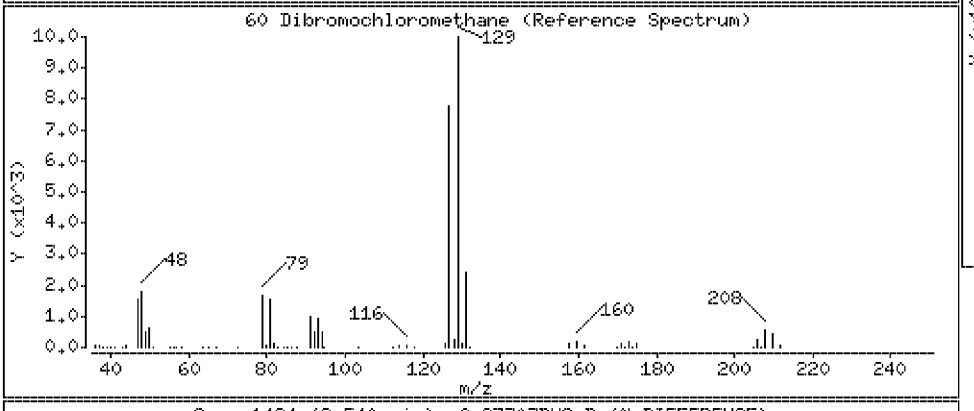
Purge Volume: 5.0 Operator:

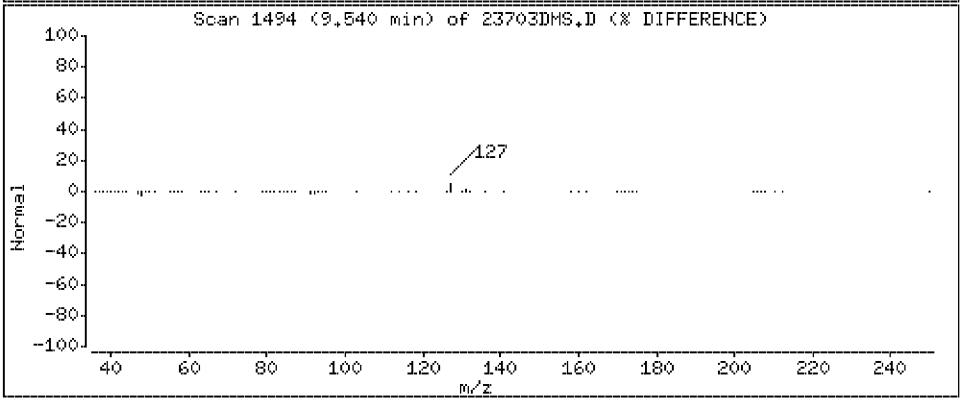
Column phase: RTX-502.2 Column diameter: 0.18

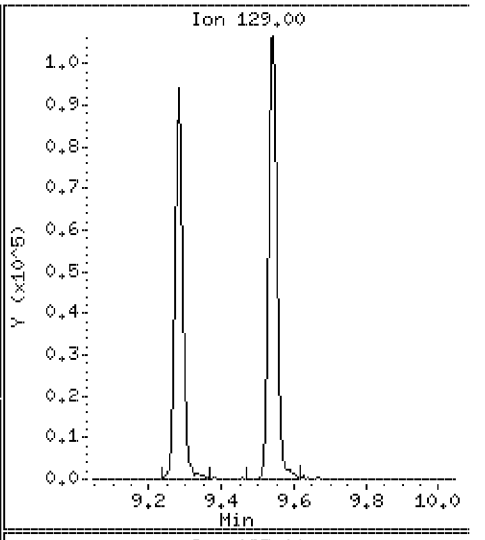
60 Dibromochloromethane Concentration: 98.3 ug/l

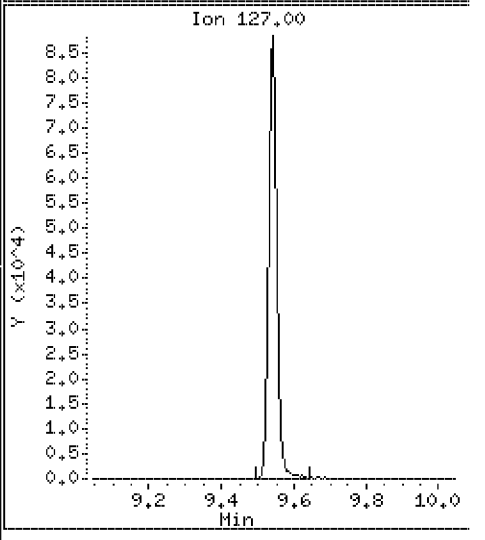












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

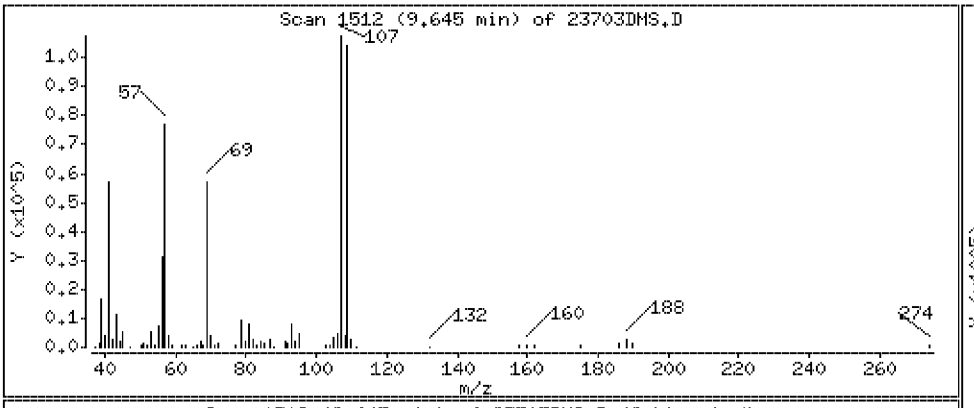
Operator:

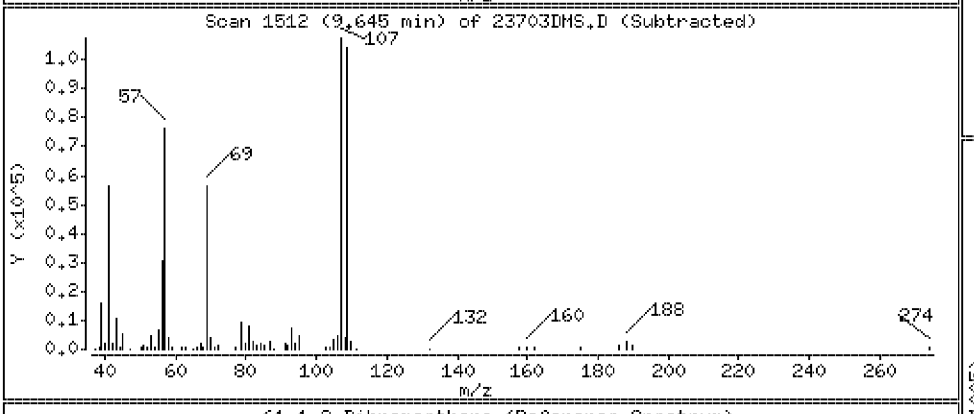
Column phase: RTX-502.2

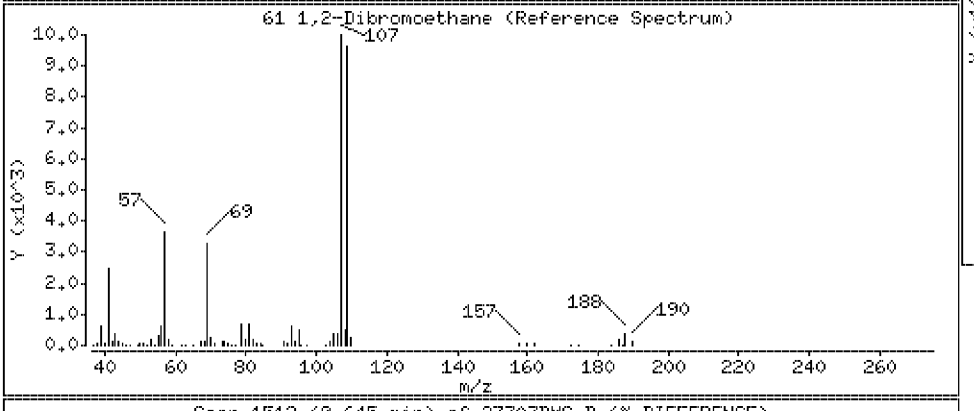
Column diameter: 0.18

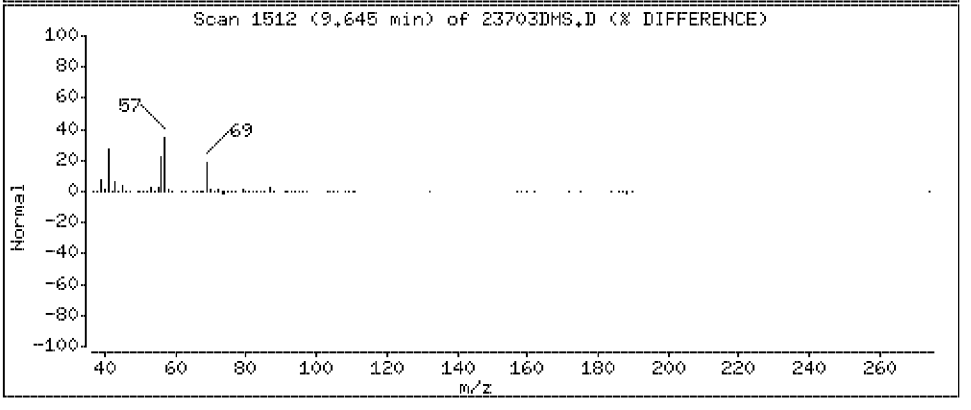
61 1,2-Dibromoethane

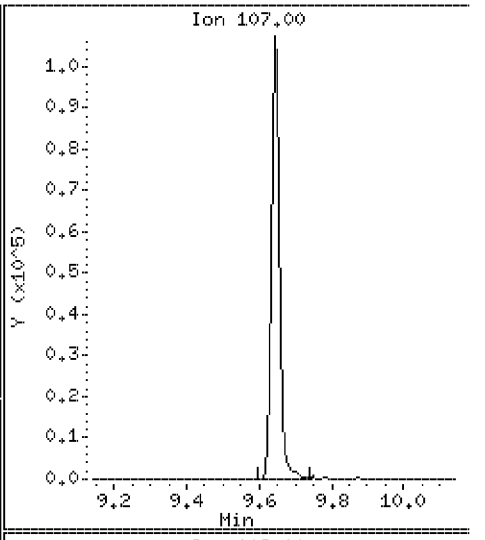
Concentration: 102 ug/l

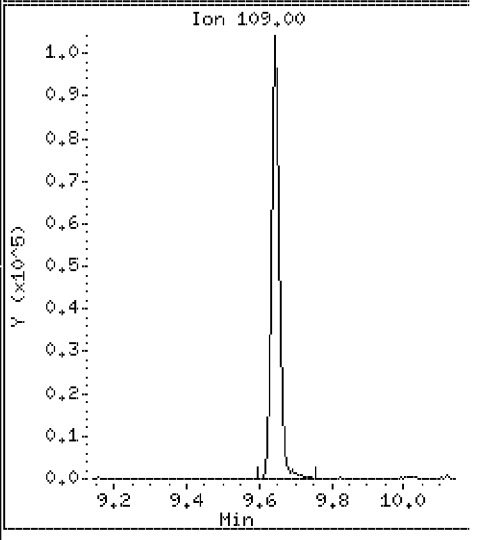












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

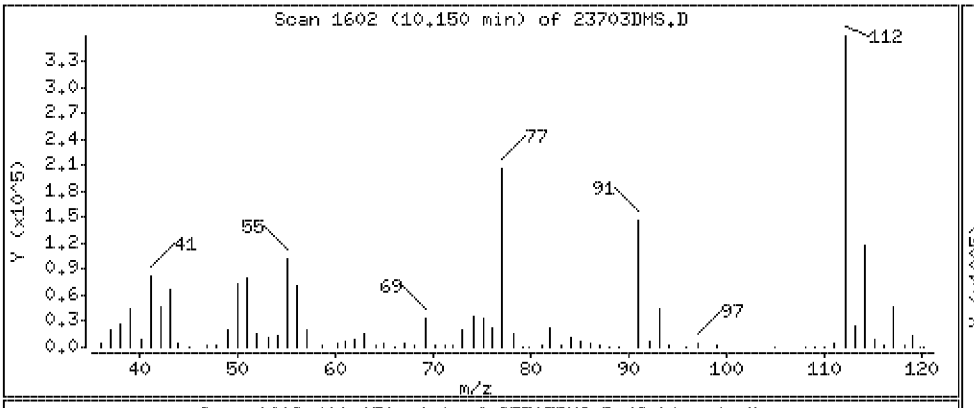
Operator:

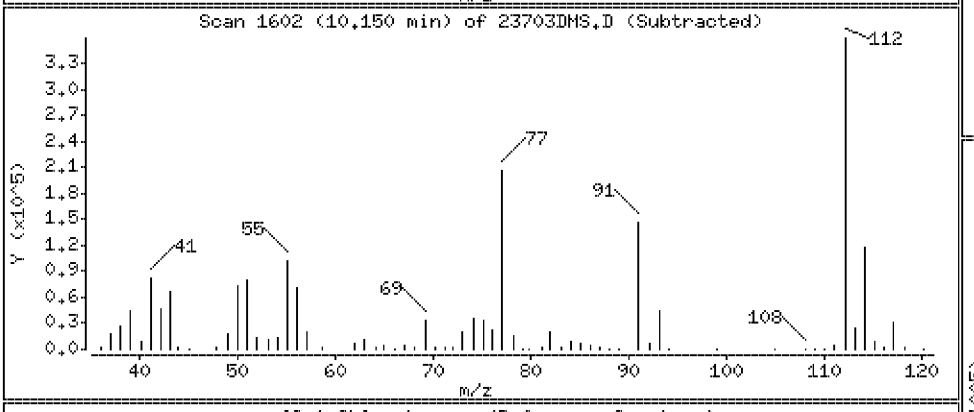
Column phase: RTX-502.2

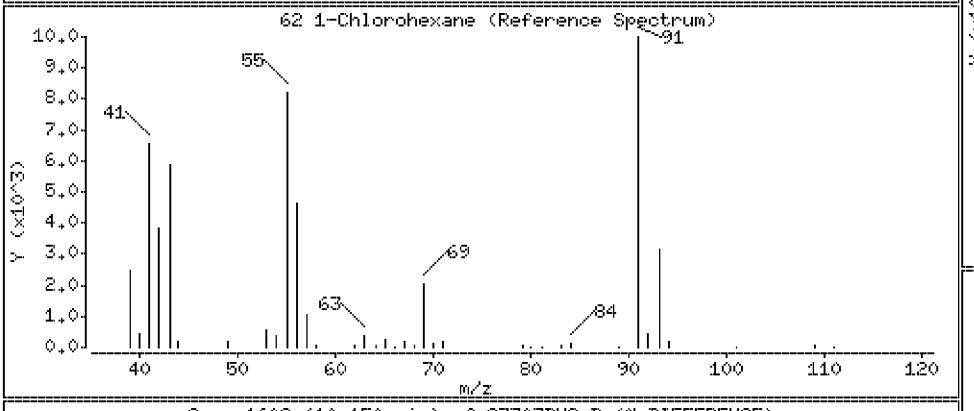
Column diameter: 0.18

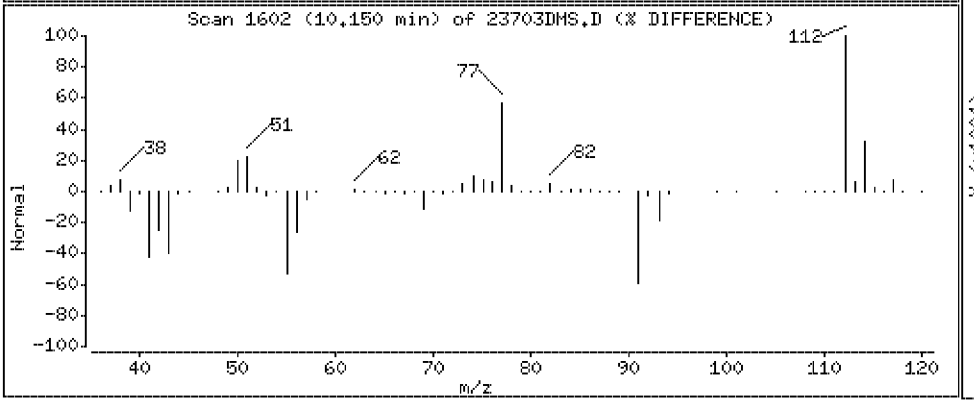
62 1-Chlorohexane

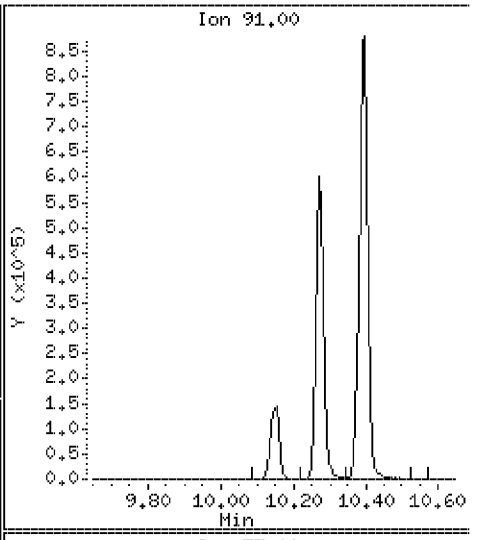
Concentration: 96.9 ug/l

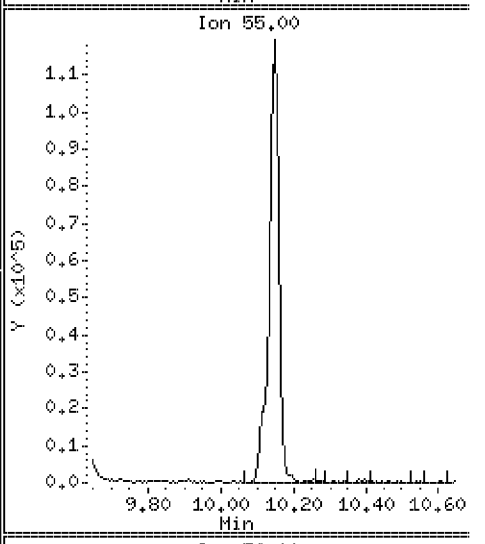


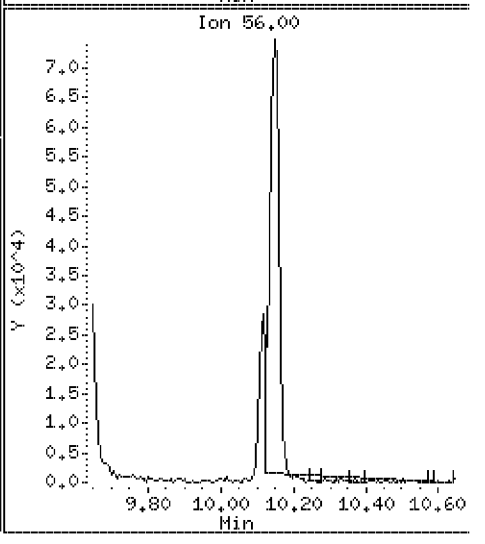












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

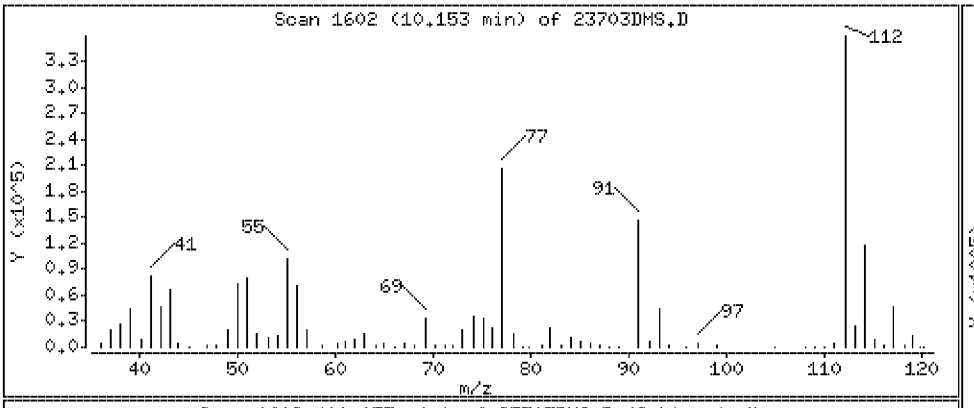
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

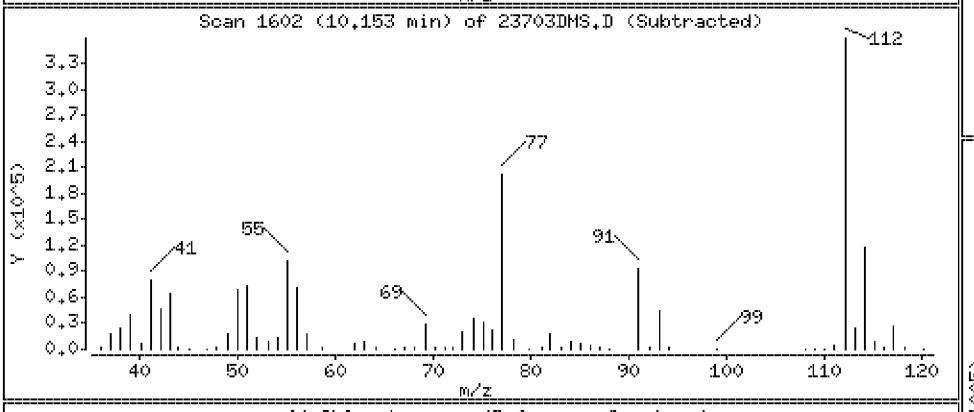
Sample Info: 350023703;3500237;5;

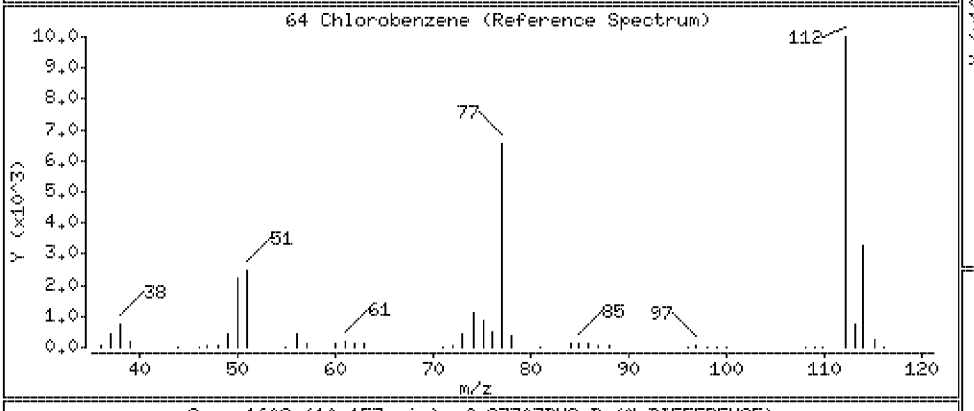
Purge Volume: 5.0 Operator:

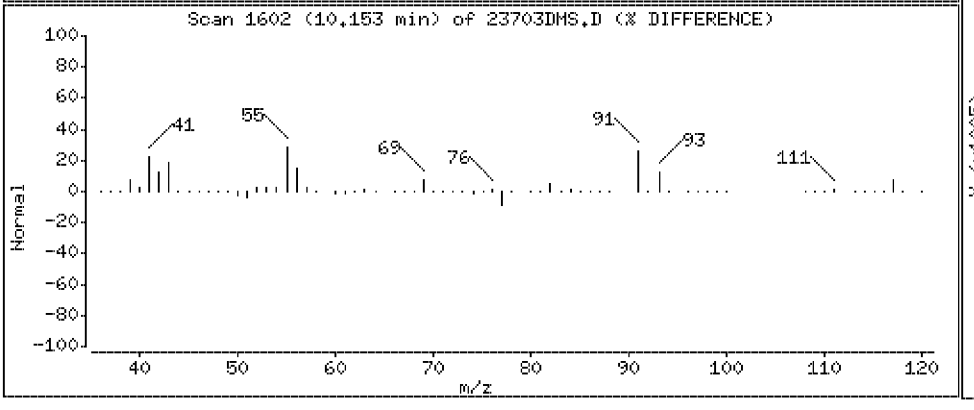
Column phase: RTX-502.2 Column diameter: 0.18

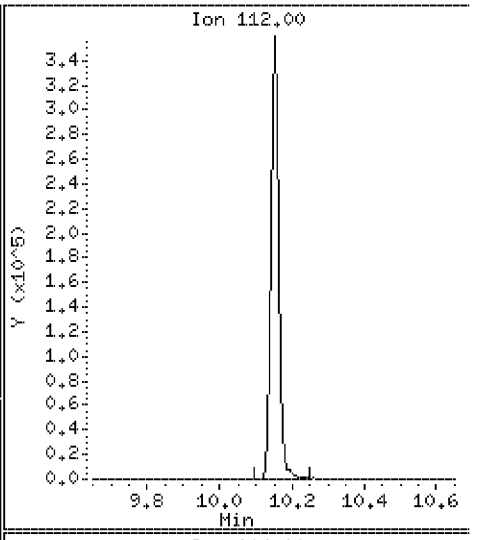
64 Chlorobenzene Concentration: 104 ug/l

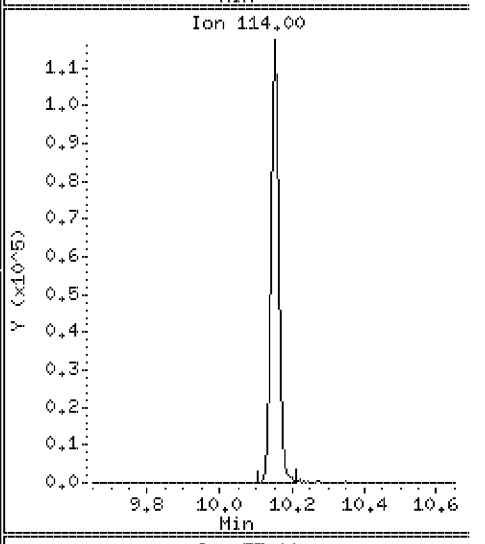


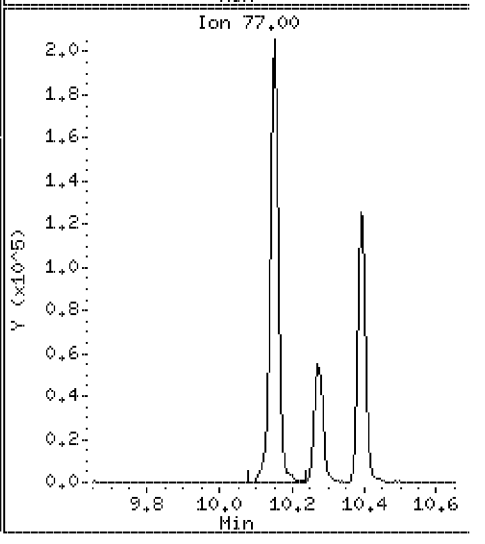












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

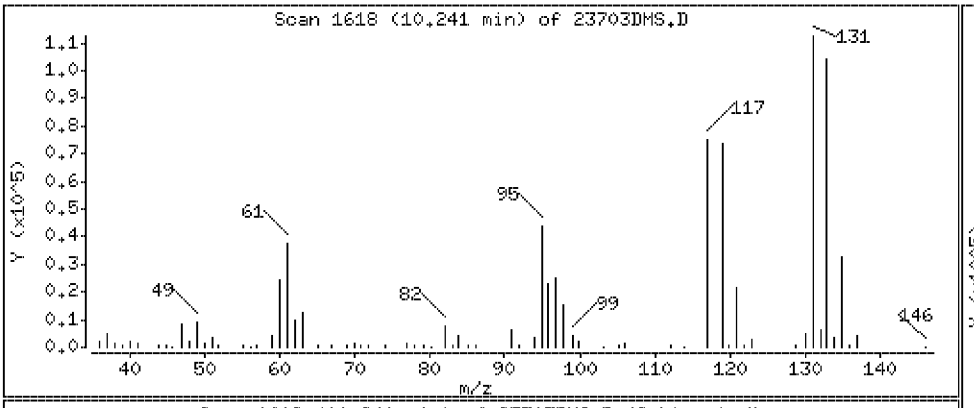
Operator:

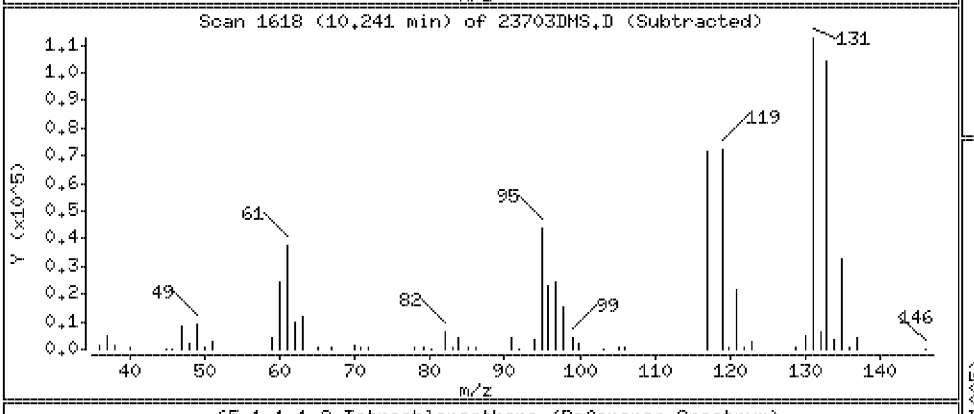
Column phase: RTX-502.2

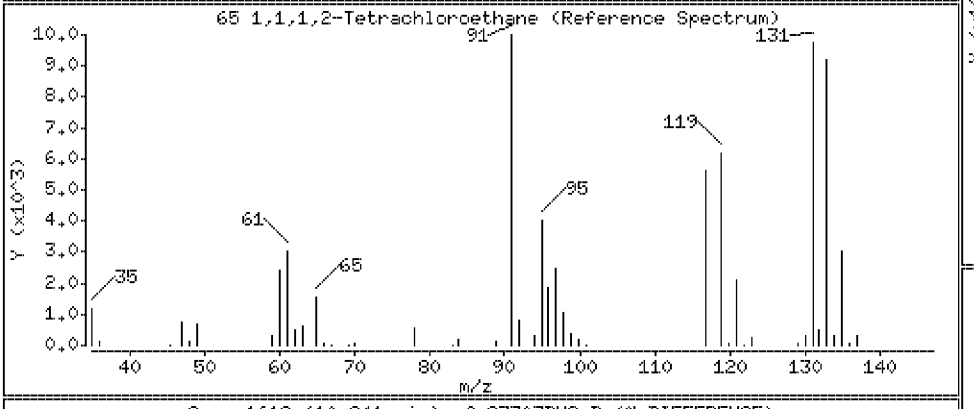
Column diameter: 0.18

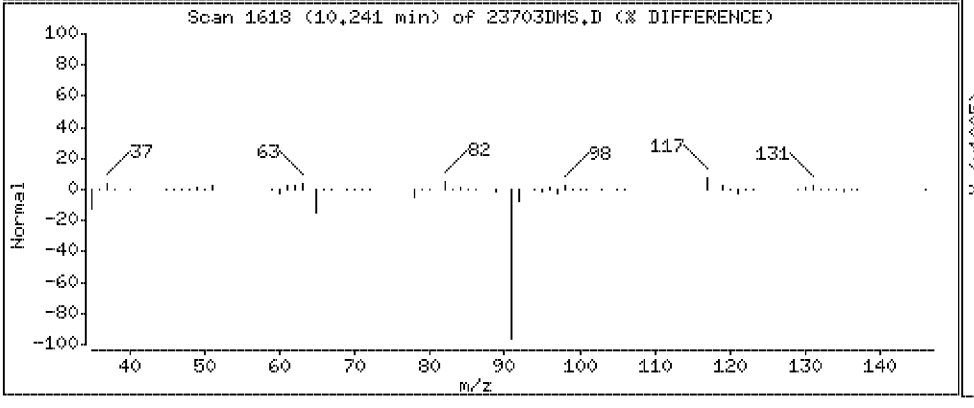
65 1,1,1,2-Tetrachloroethane

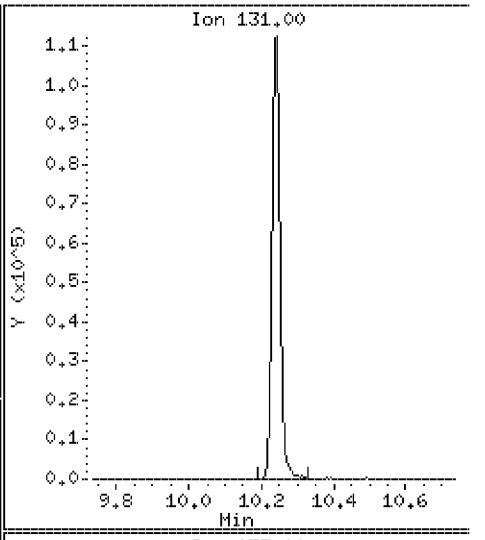
Concentration: 99.5 ug/l

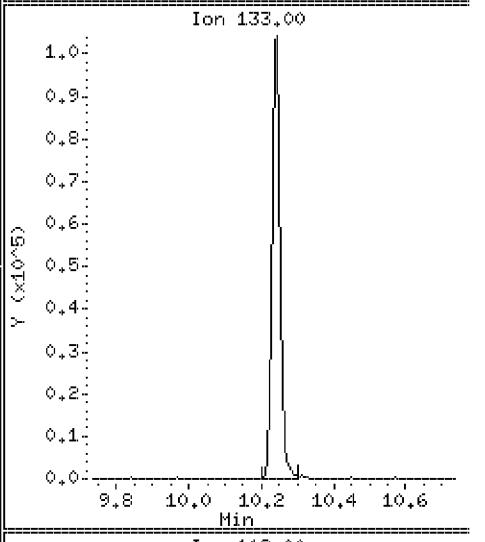


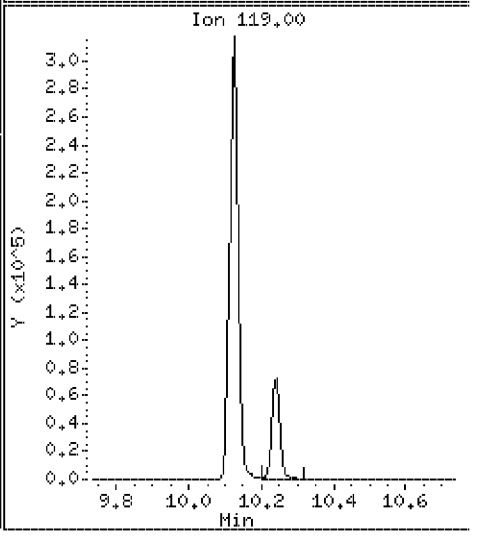












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

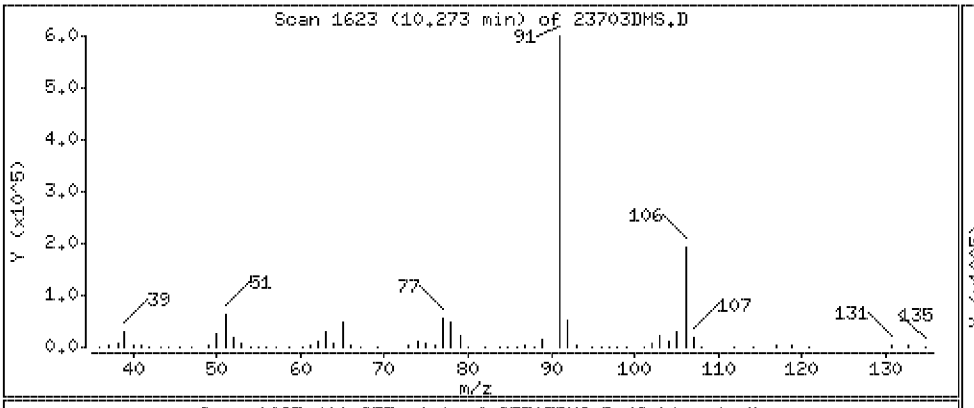
Operator:

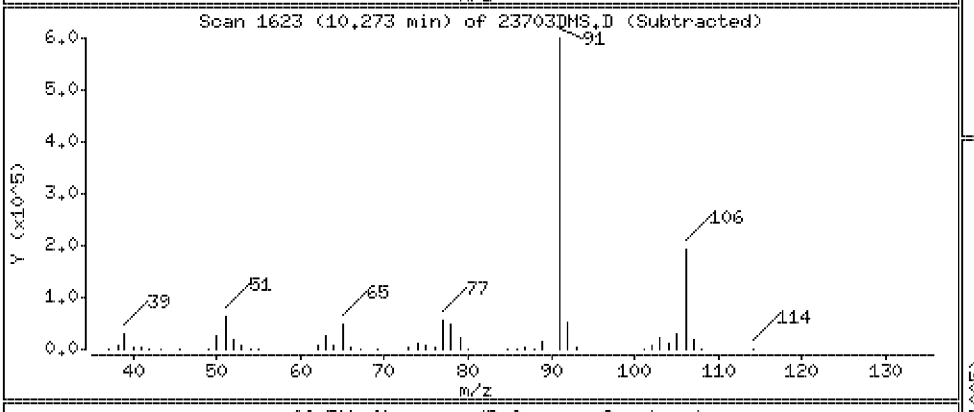
Column phase: RTX-502.2

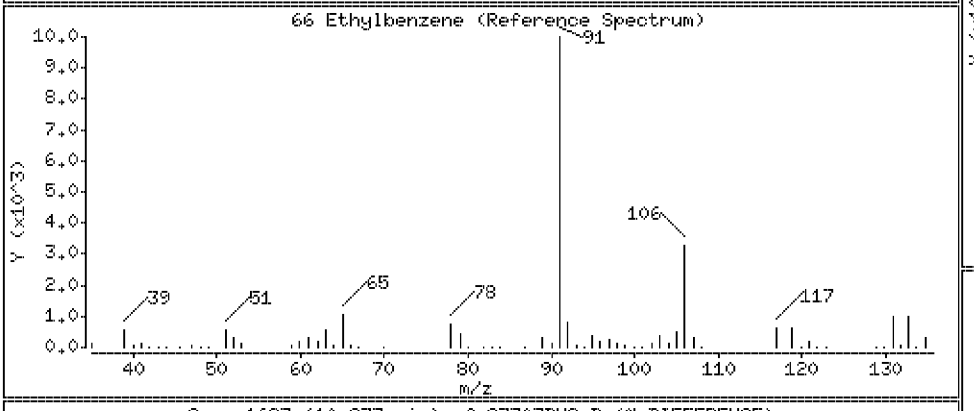
Column diameter: 0.18

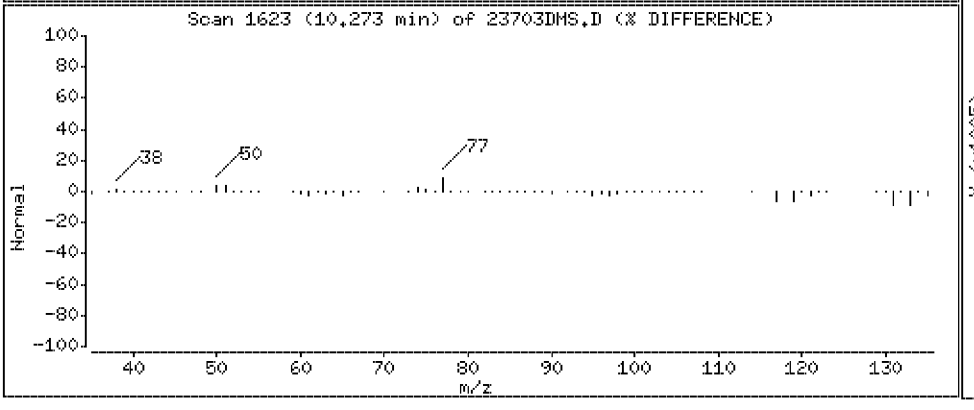
66 Ethylbenzene

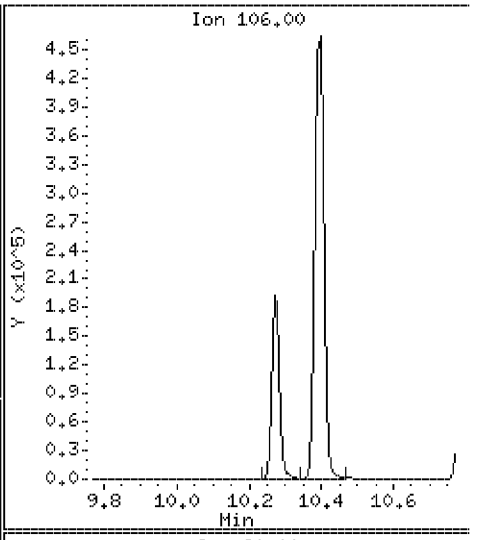
Concentration: 105 ug/l

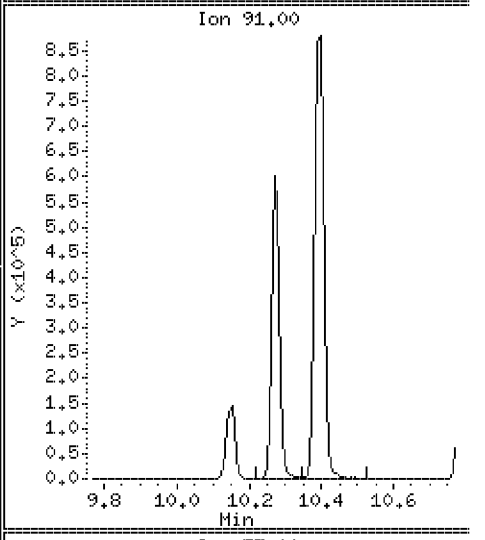


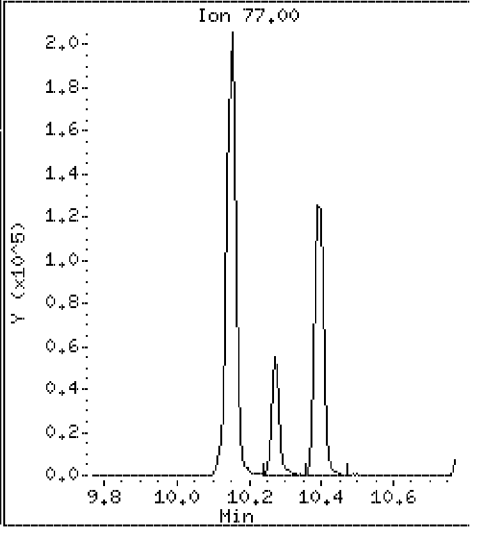












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

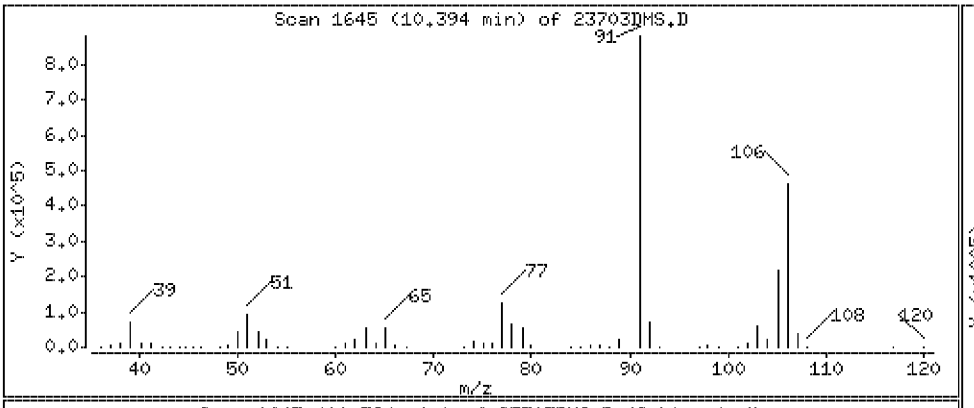
Operator:

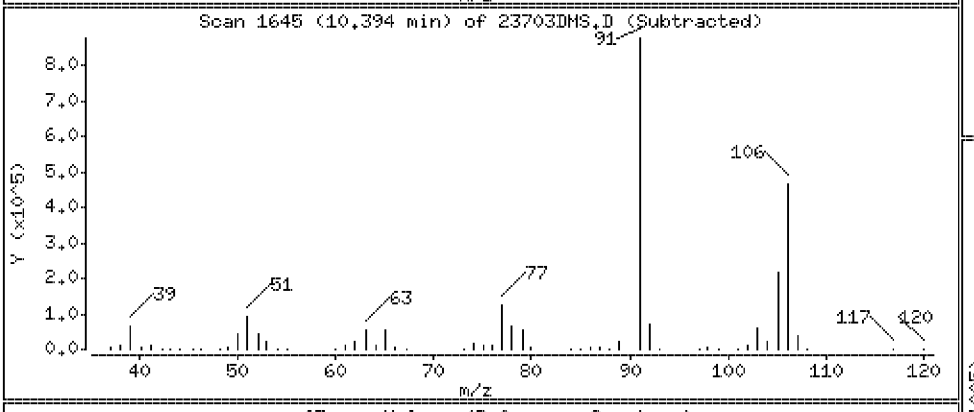
Column phase: RTX-502.2

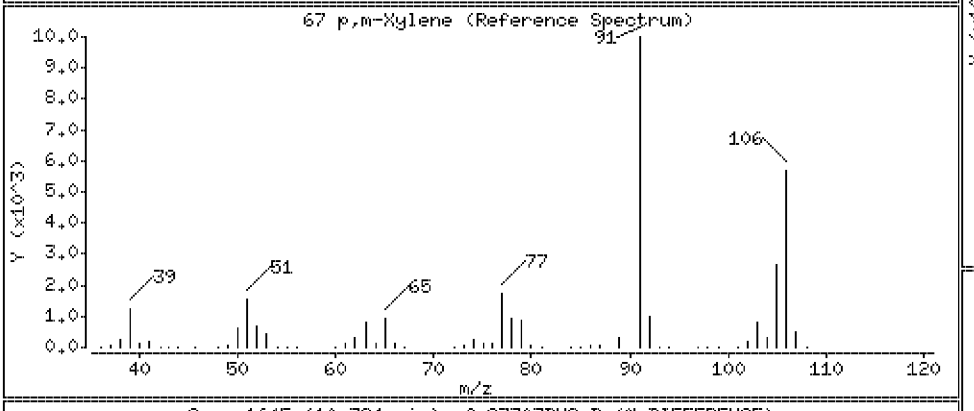
Column diameter: 0.18

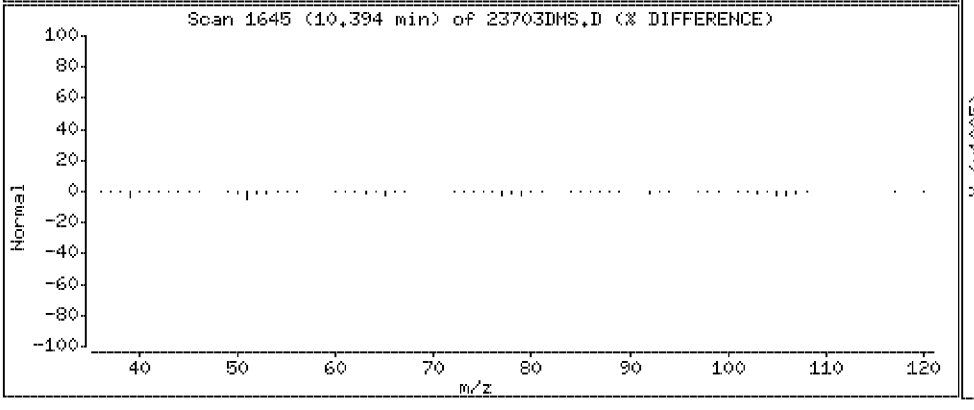
67 p,m-Xylene

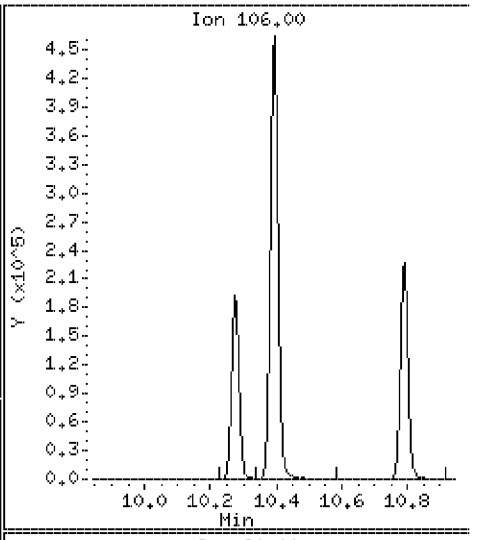
Concentration: 216 ug/l

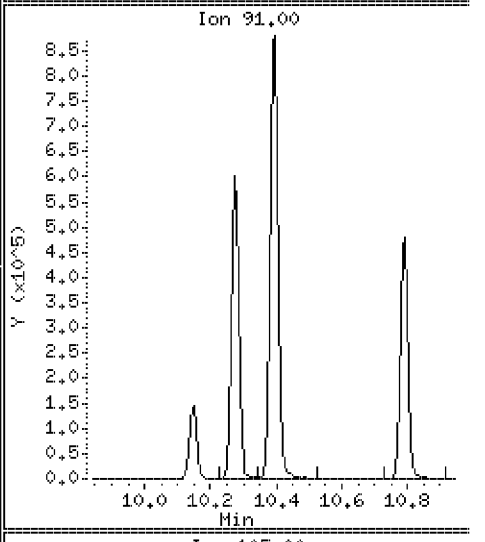


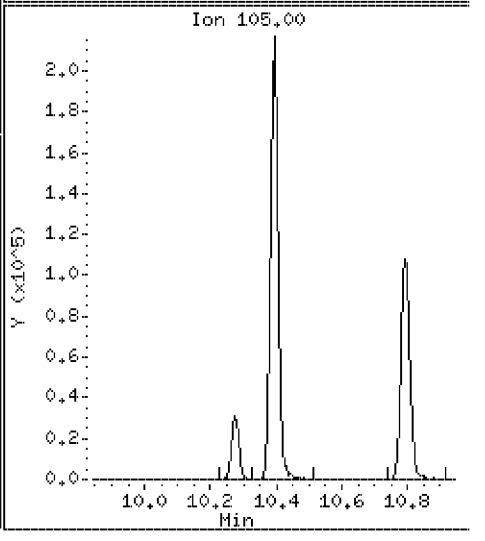












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

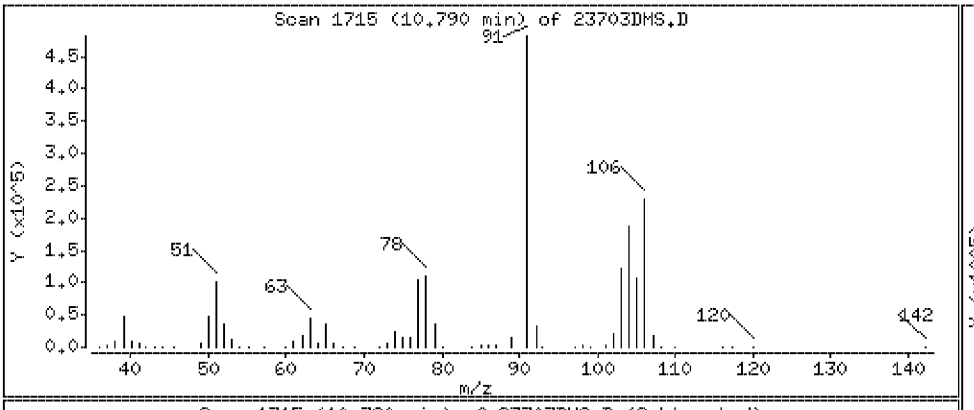
Operator:

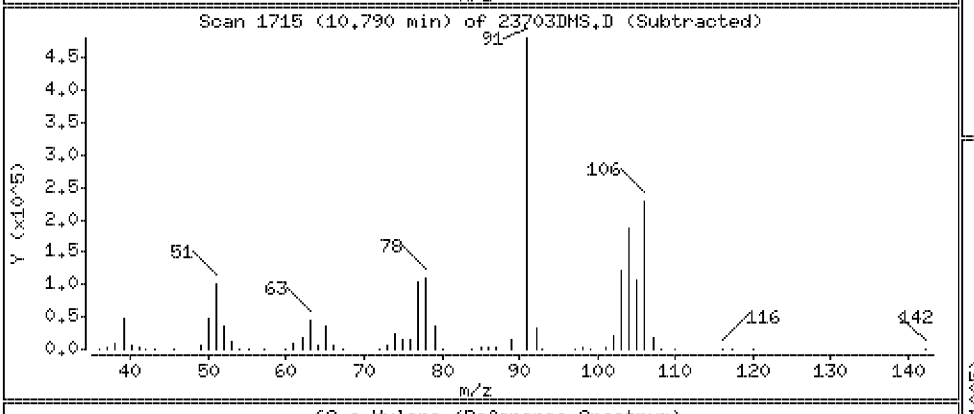
Column phase: RTX-502.2

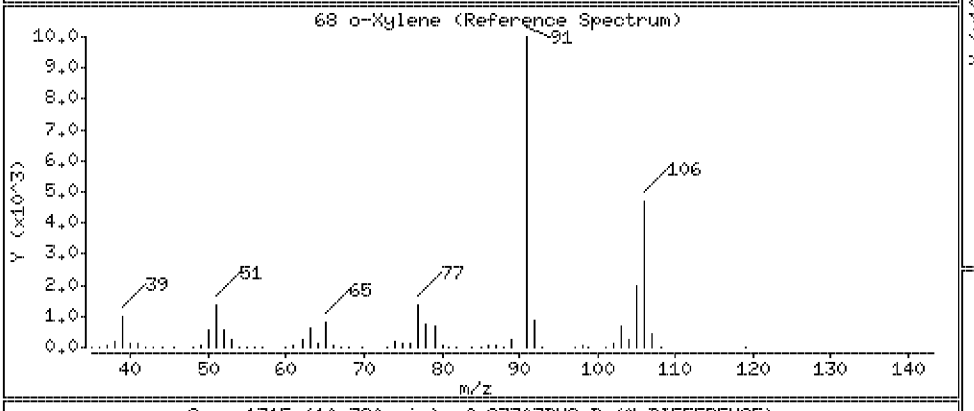
Column diameter: 0.18

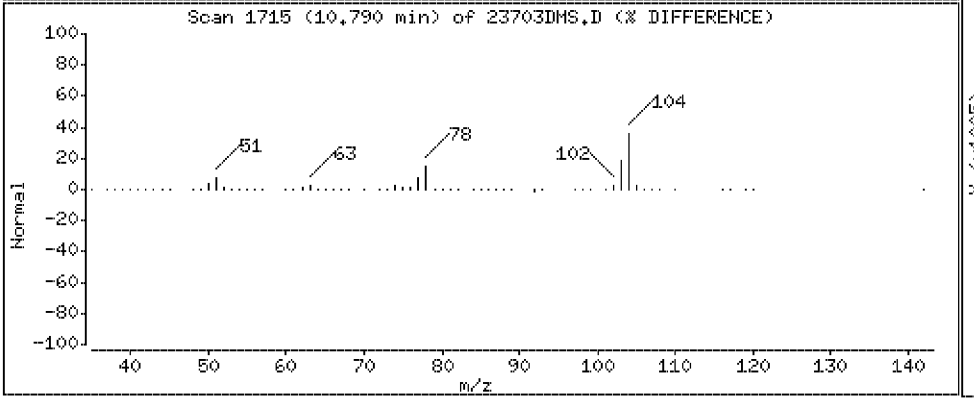
68 o-Xylene

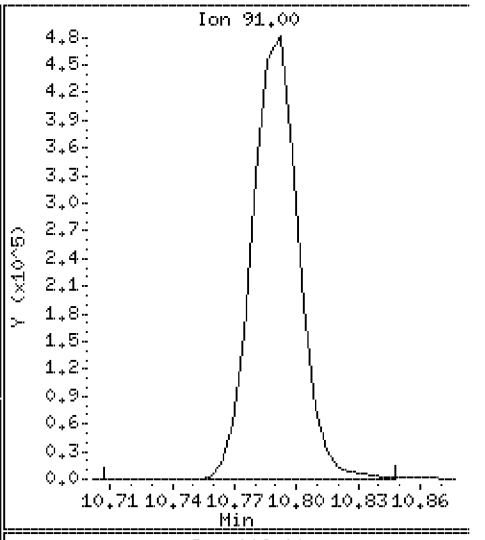
Concentration: 106 ug/l

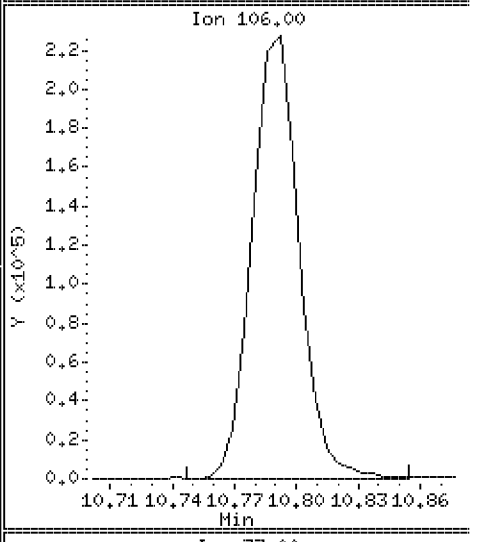


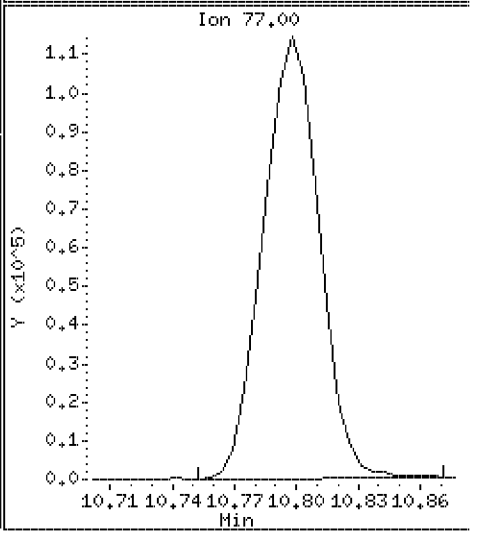












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

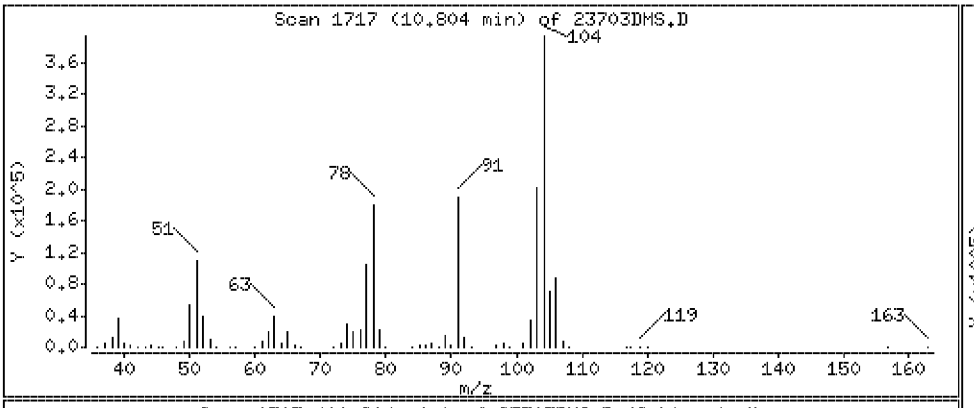
Operator:

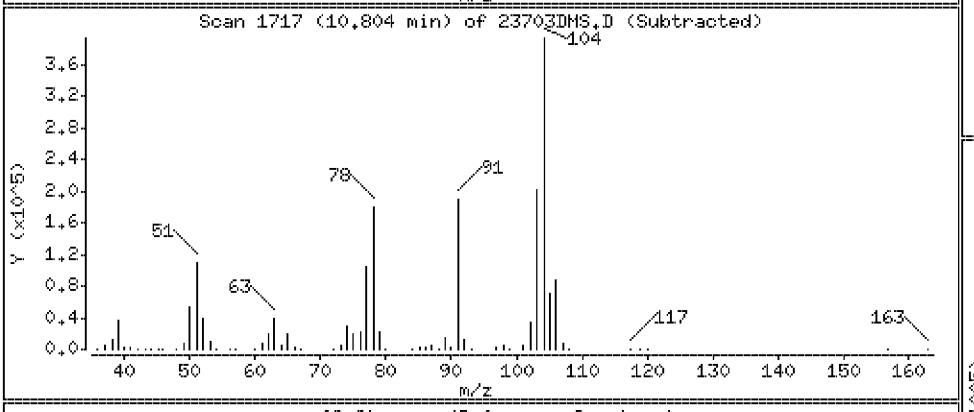
Column phase: RTX-502.2

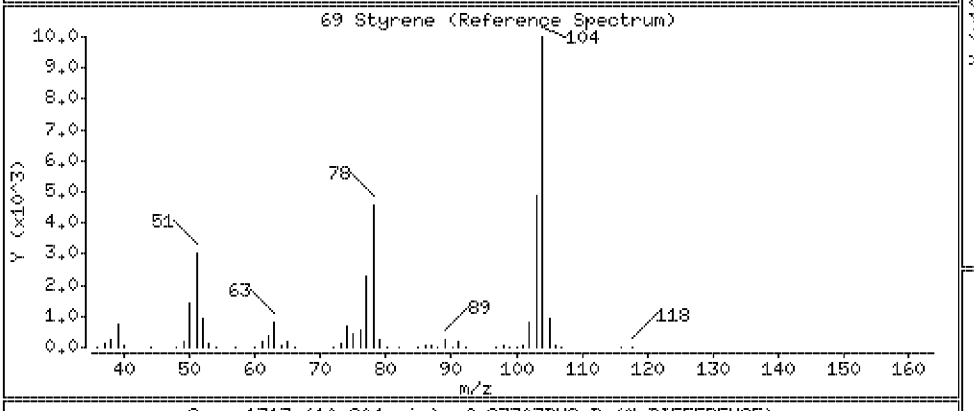
Column diameter: 0.18

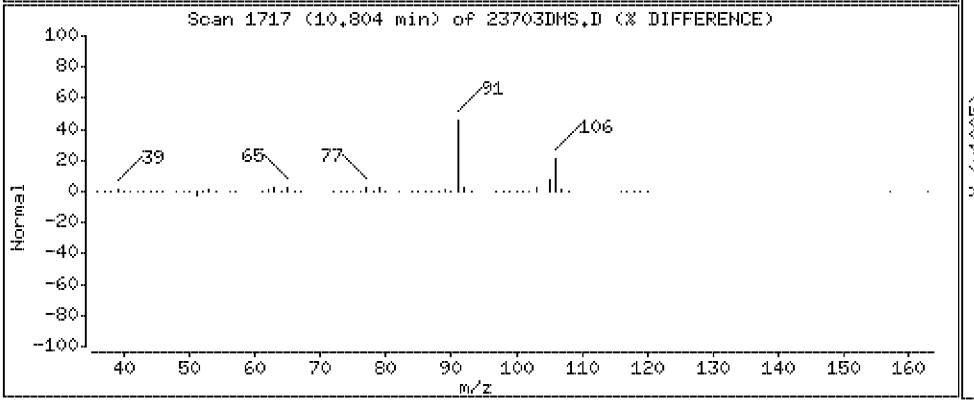
69 Styrene

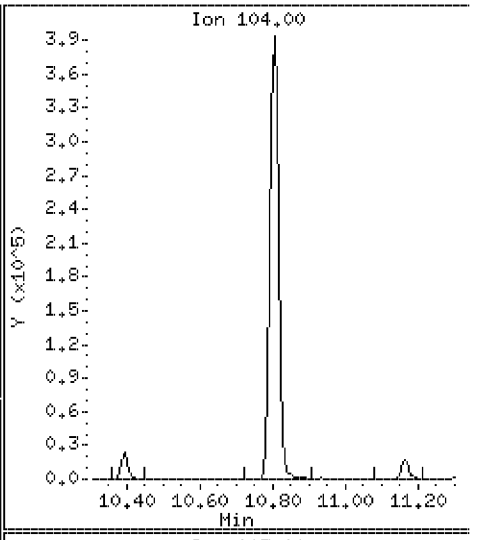
Concentration: 108 ug/l

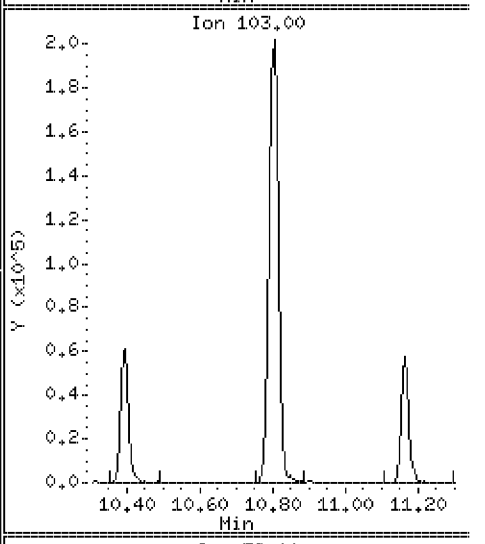


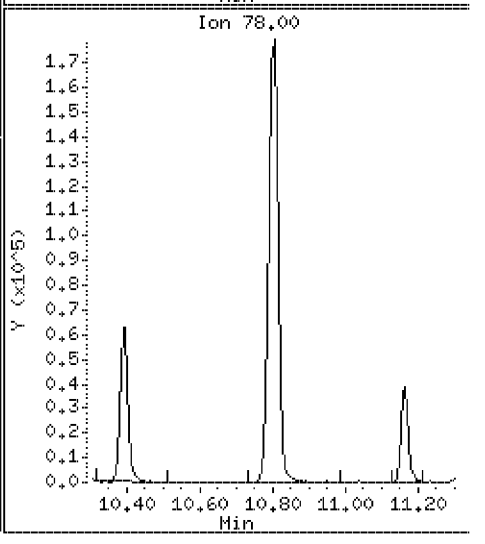












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

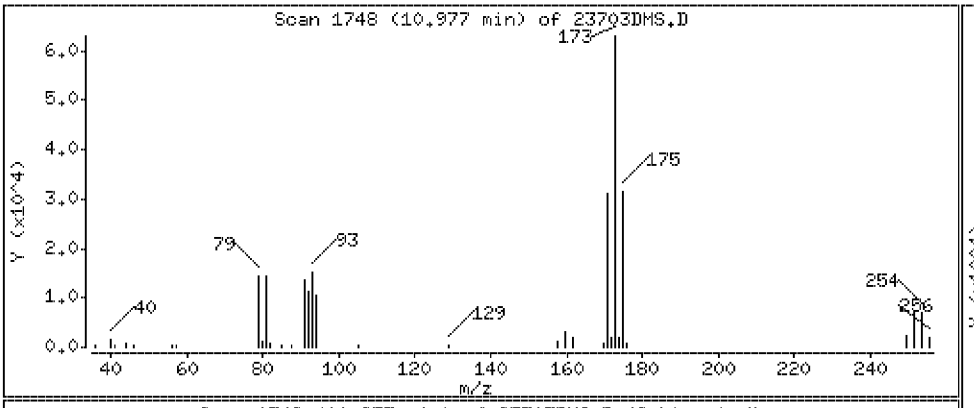
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

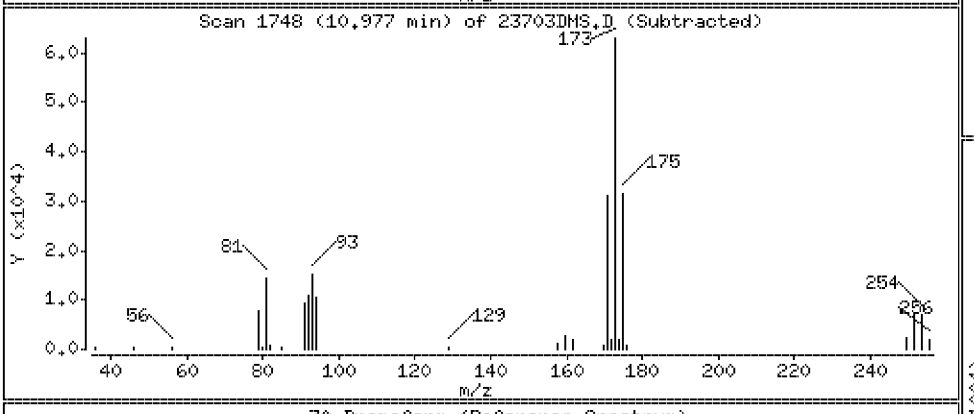
Sample Info: 350023703;3500237;5;

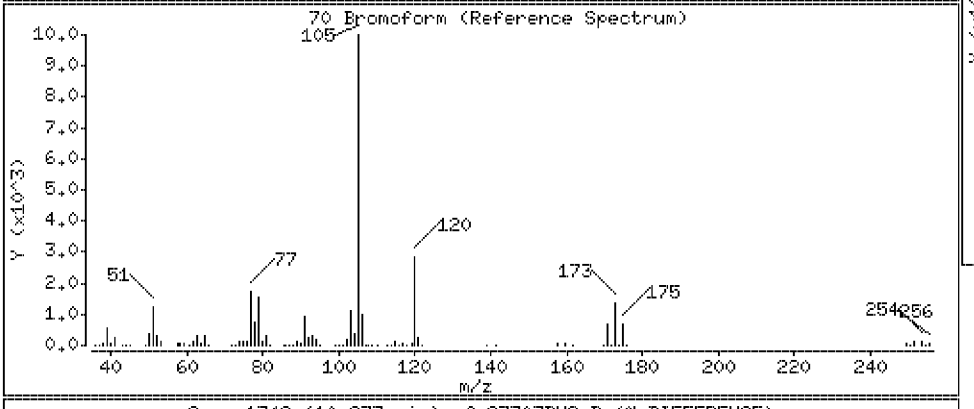
Purge Volume: 5.0 Operator:

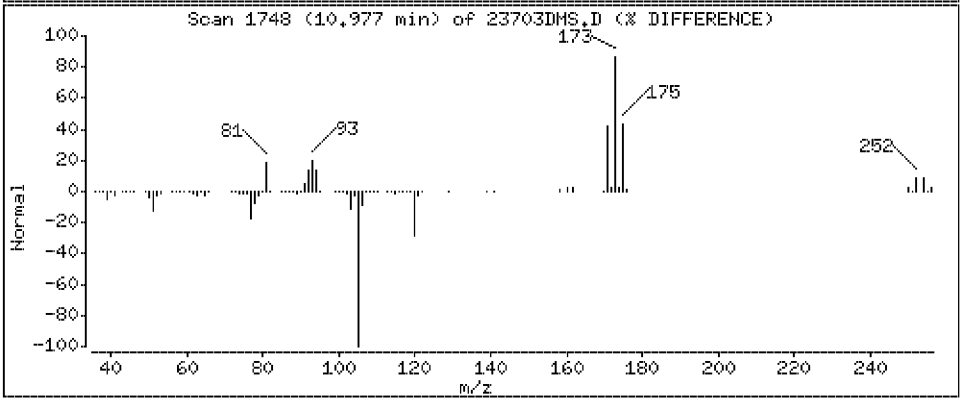
Column phase: RTX-502.2 Column diameter: 0.18

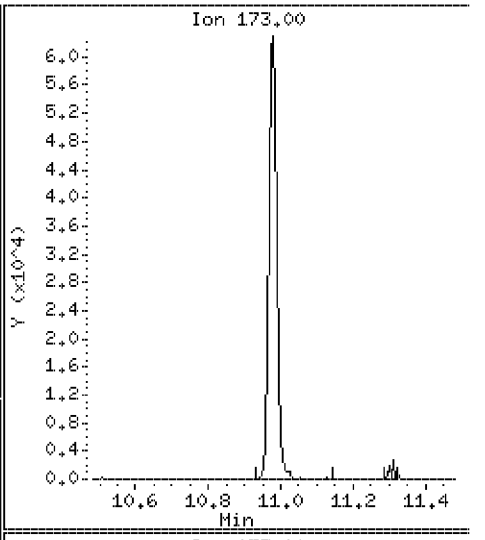
70 Bromoform Concentration: 92.9 ug/l

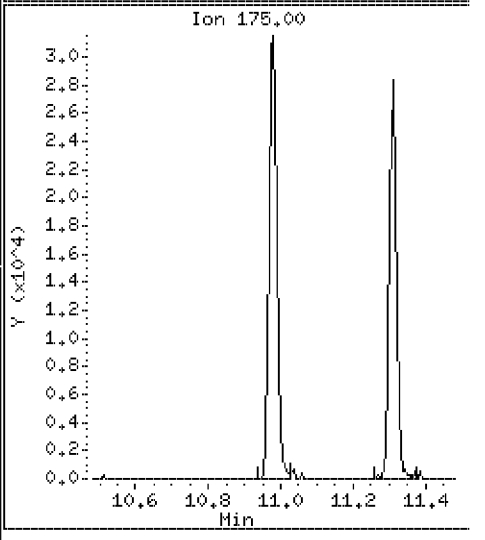












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

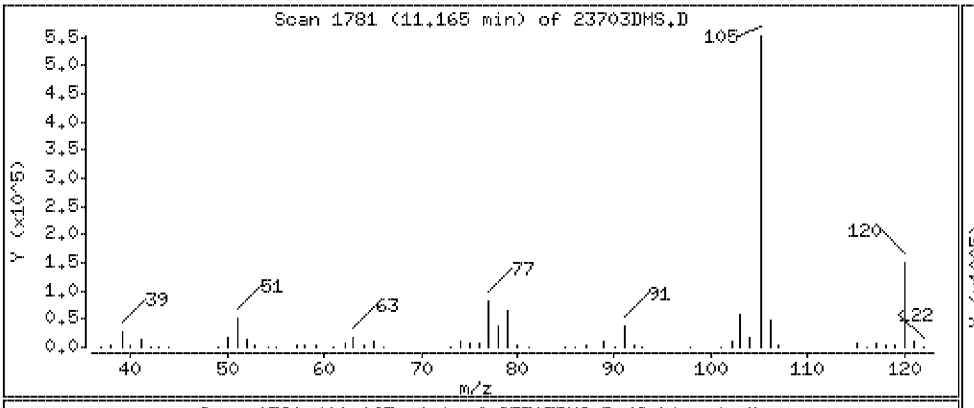
Operator:

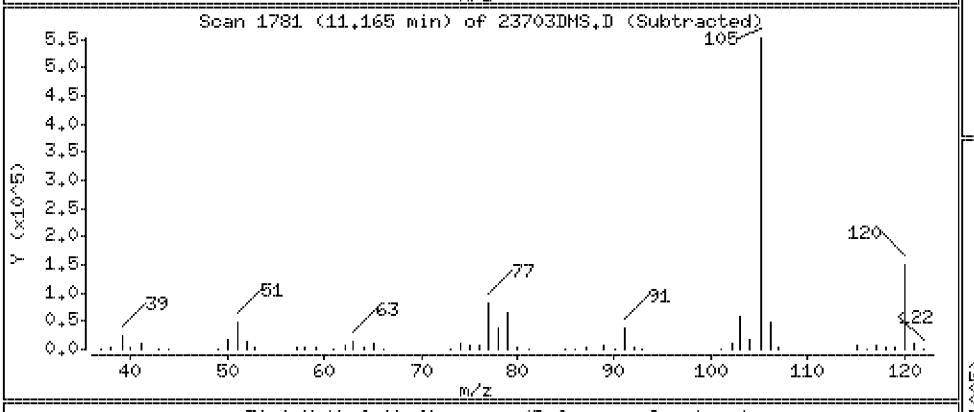
Column phase: RTX-502.2

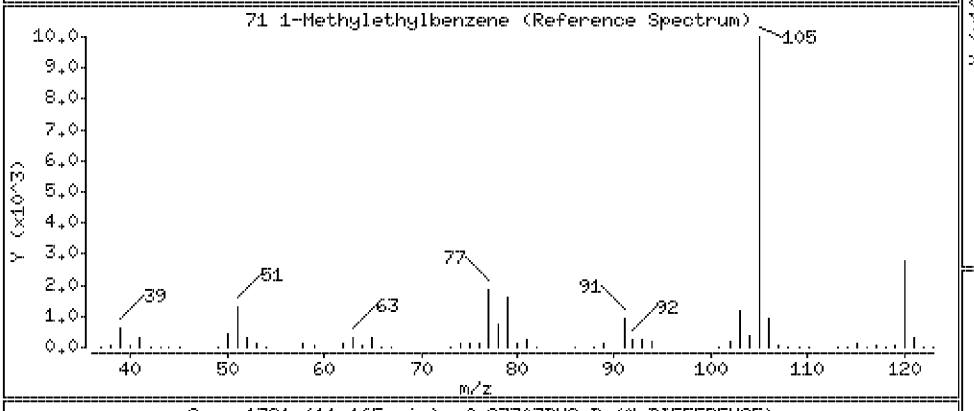
Column diameter: 0.18

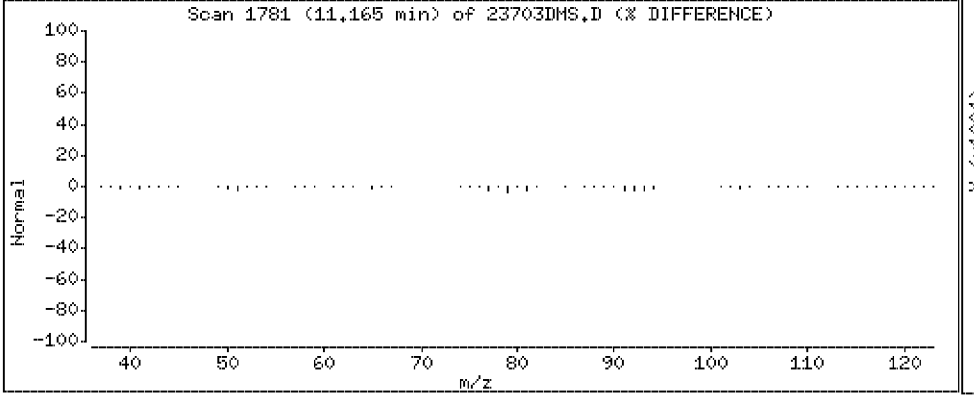
71 1-Methylethylbenzene

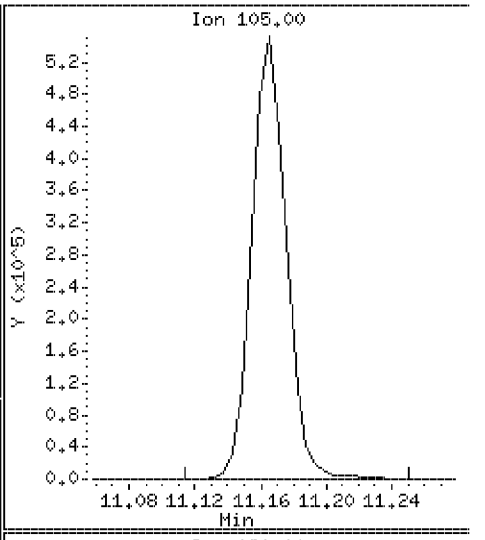
Concentration: 100 ug/l

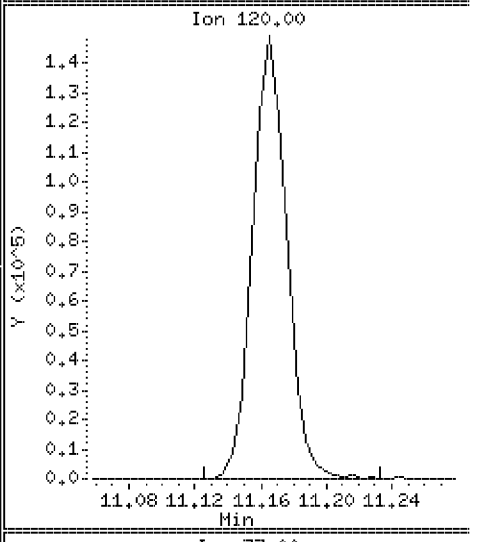


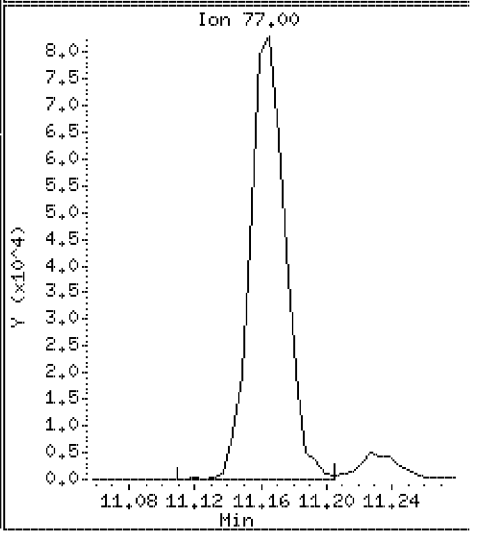












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

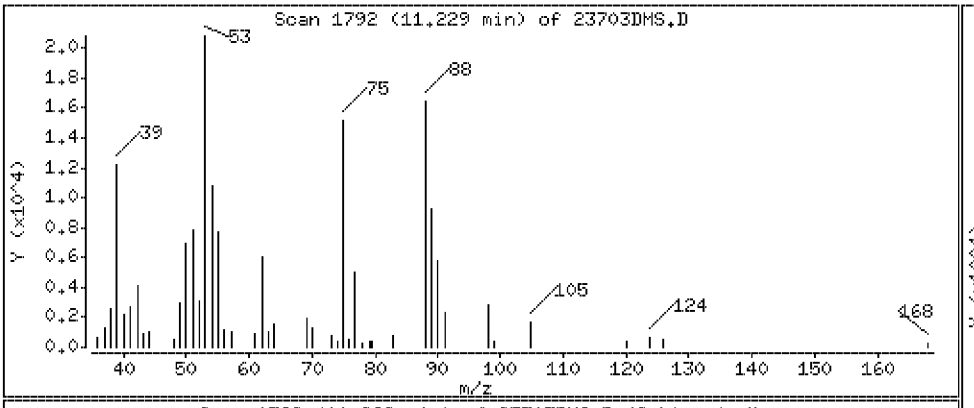
Operator:

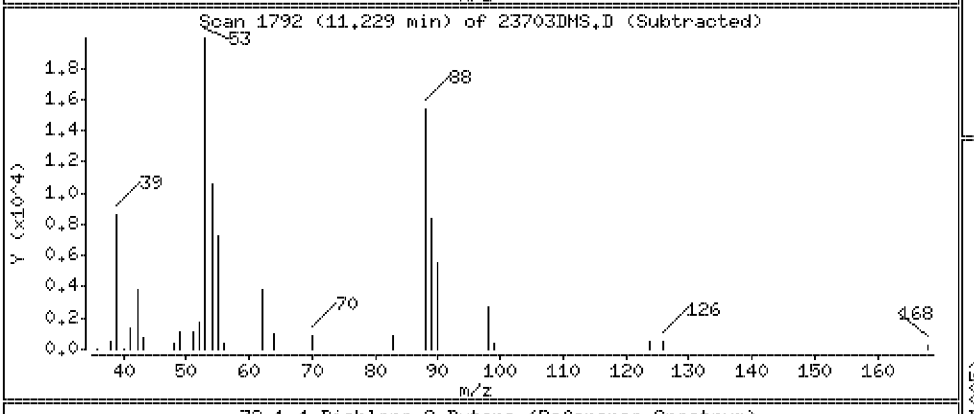
Column phase: RTX-502.2

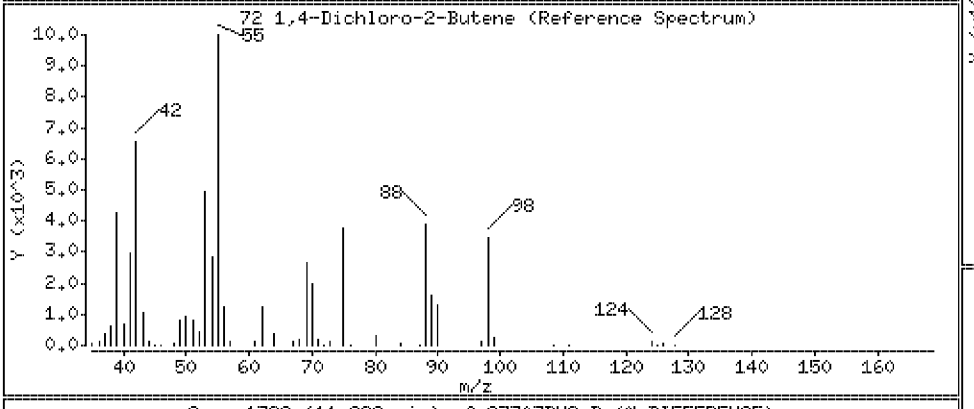
Column diameter: 0.18

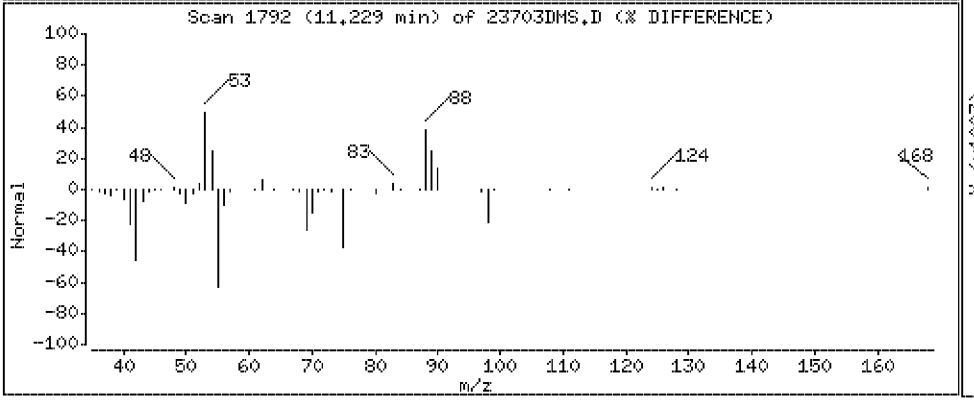
72 1,4-Dichloro-2-Butene

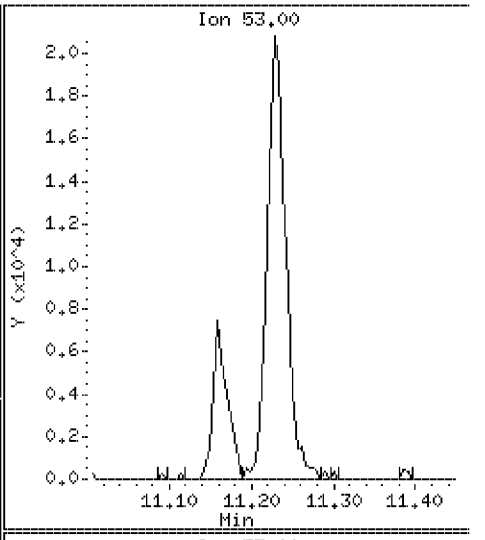
Concentration: 139 ug/l

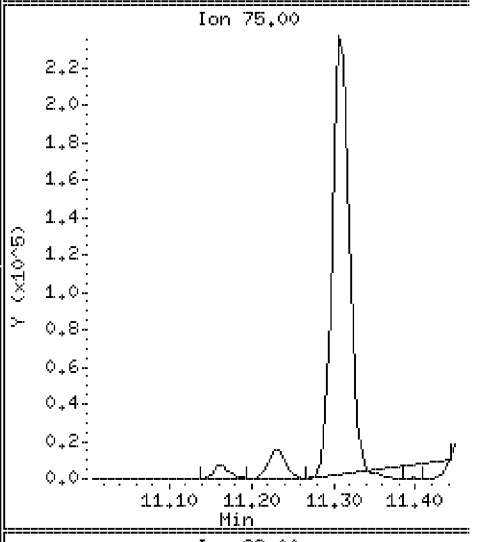


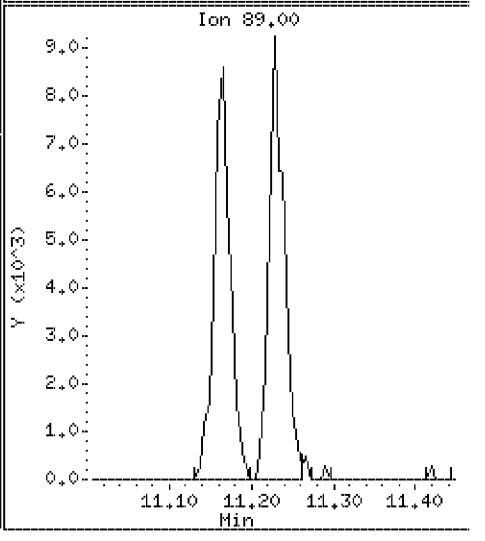












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

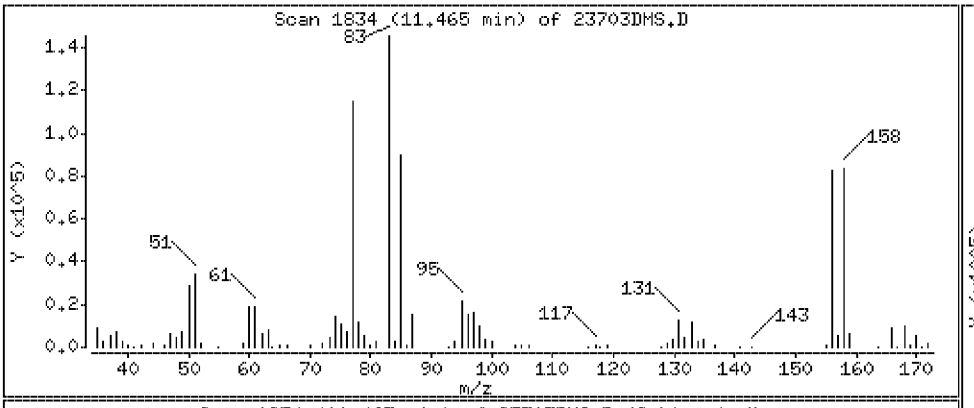
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

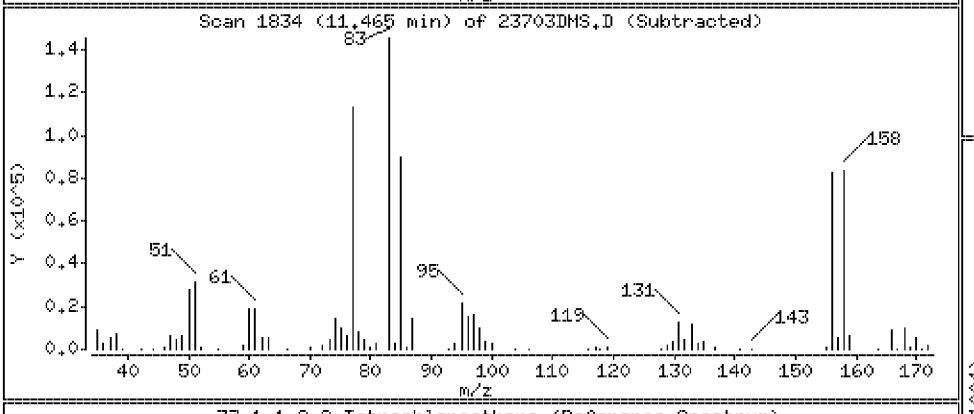
Sample Info: 350023703;3500237;5;

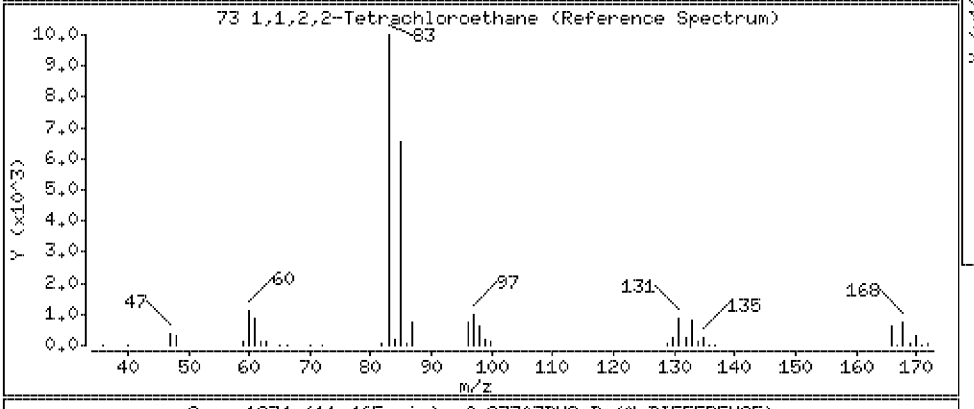
Purge Volume: 5.0 Operator:

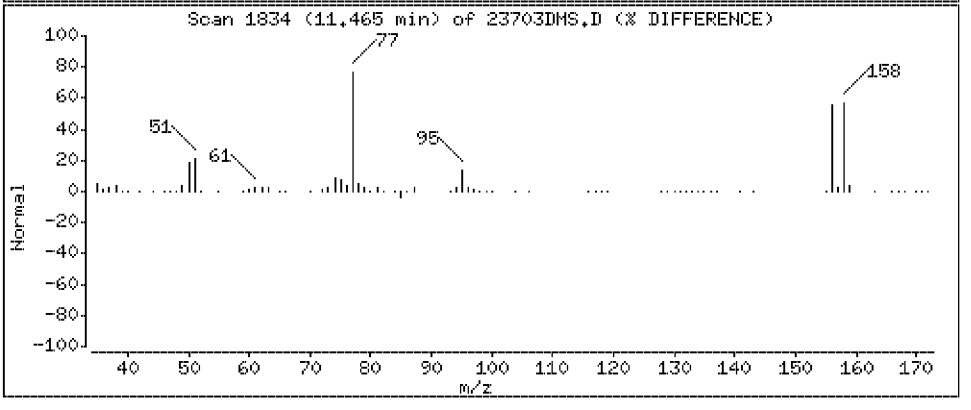
Column phase: RTX-502.2 Column diameter: 0.18

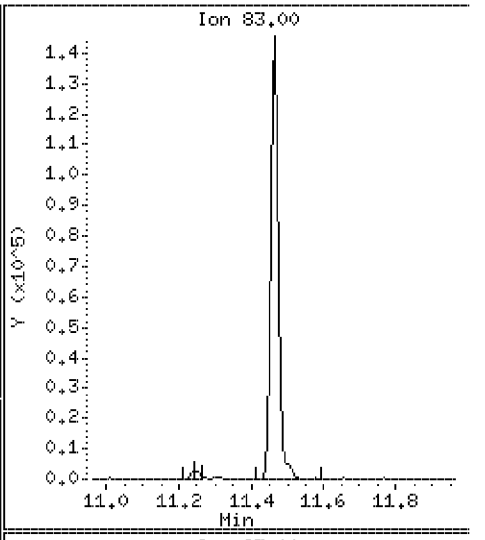
73 1,1,2,2-Tetrachloroethane Concentration: 96.6 ug/l

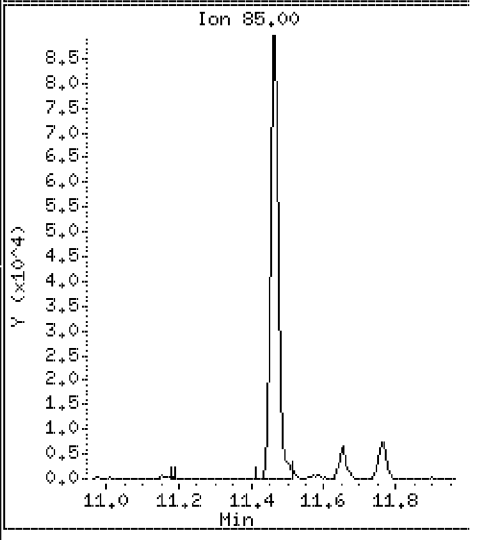












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

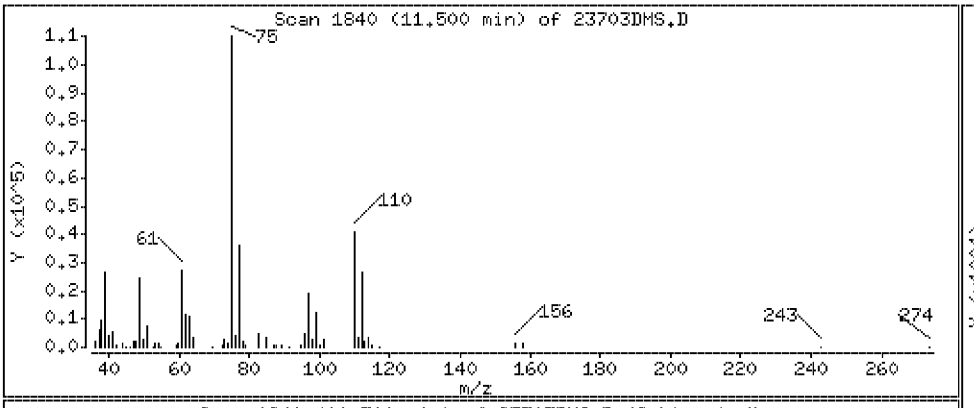
Operator:

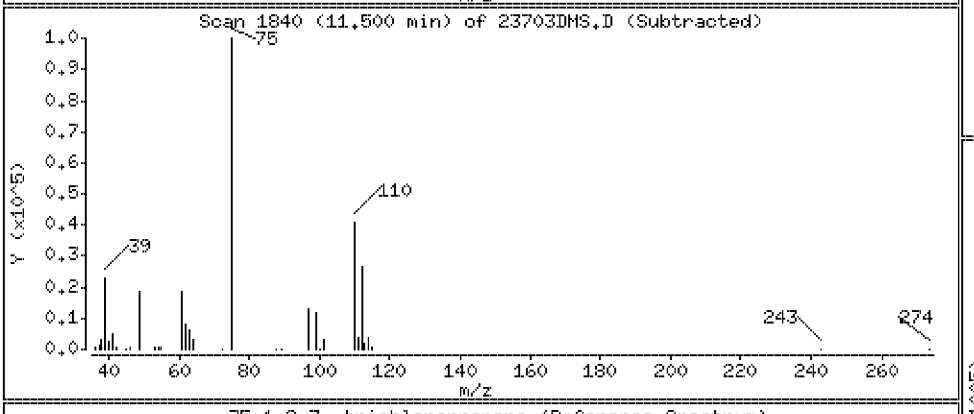
Column phase: RTX-502.2

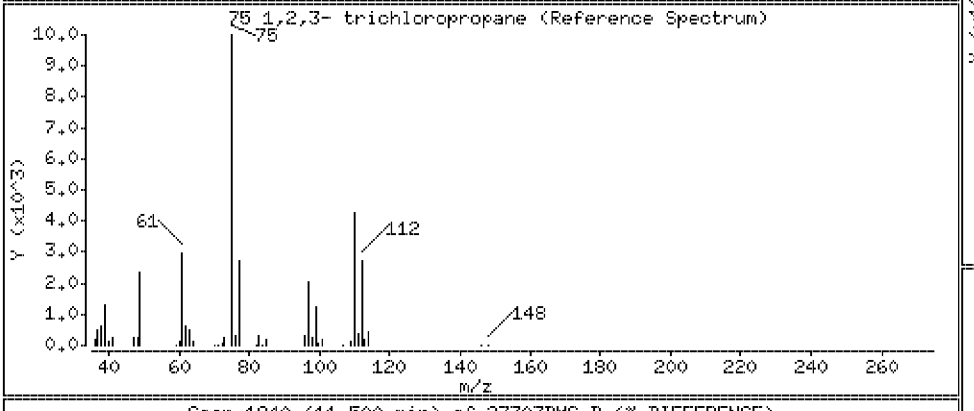
Column diameter: 0.18

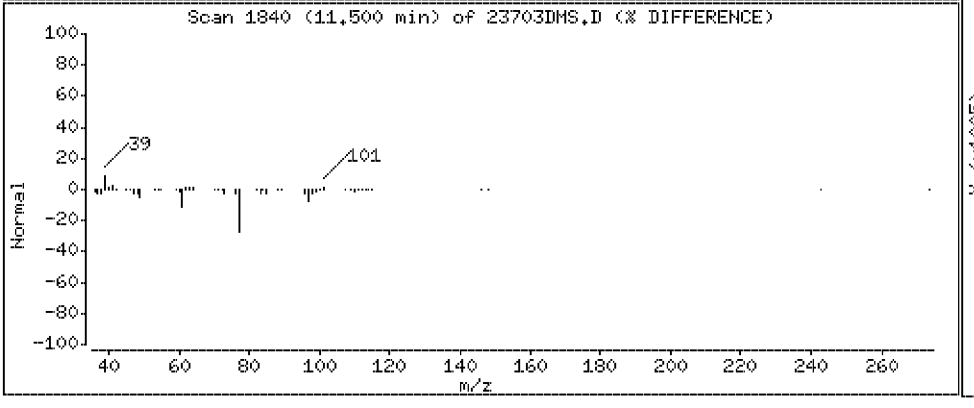
75 1,2,3- trichloropropane

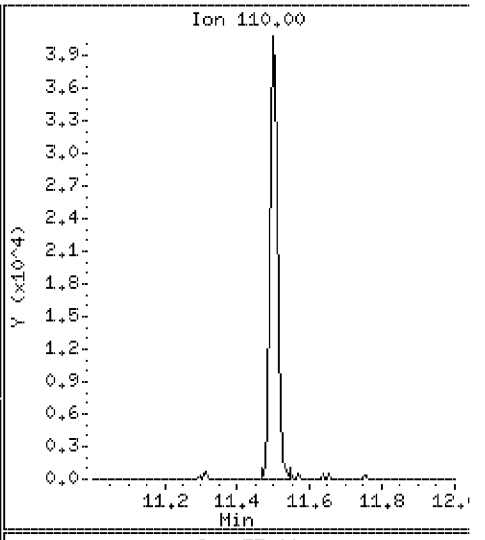
Concentration: 95.8 ug/l

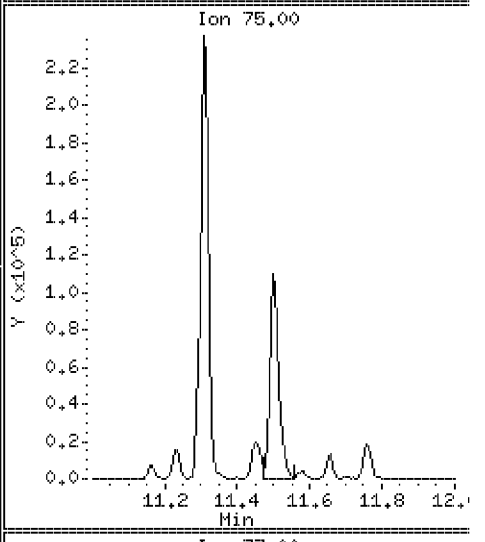


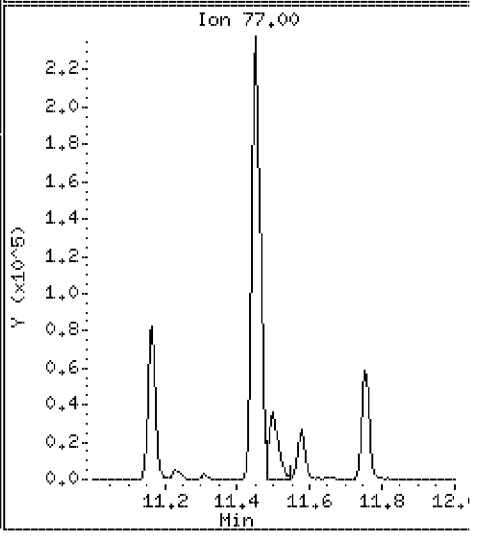












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

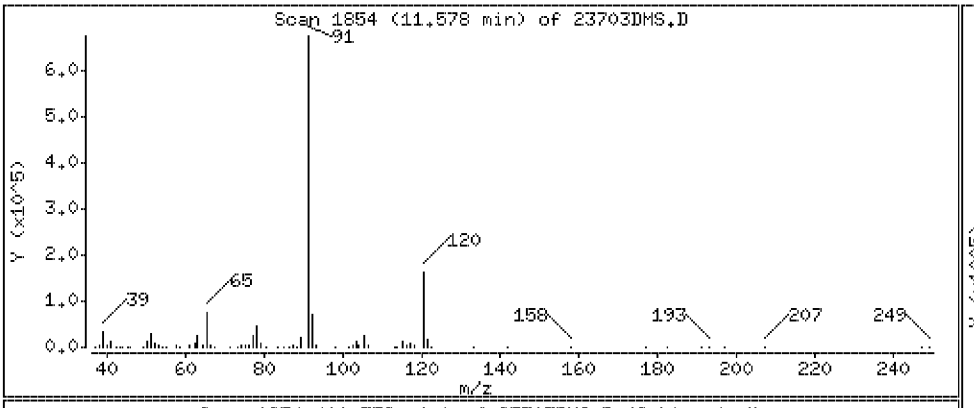
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

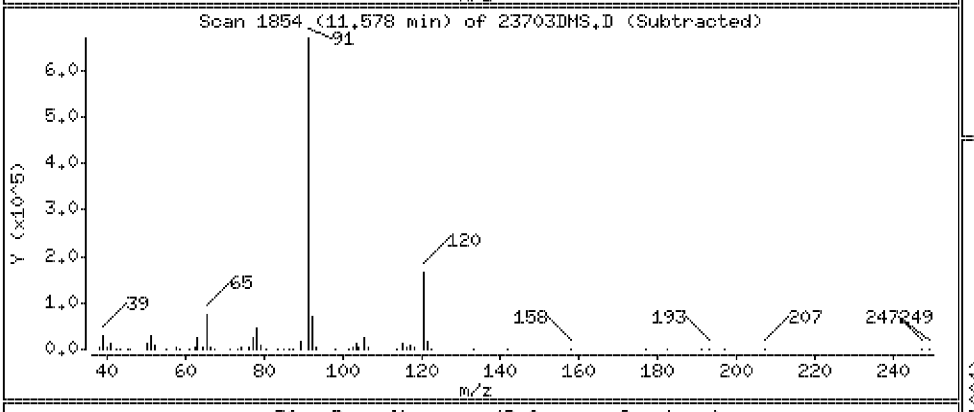
Sample Info: 350023703;3500237;5;

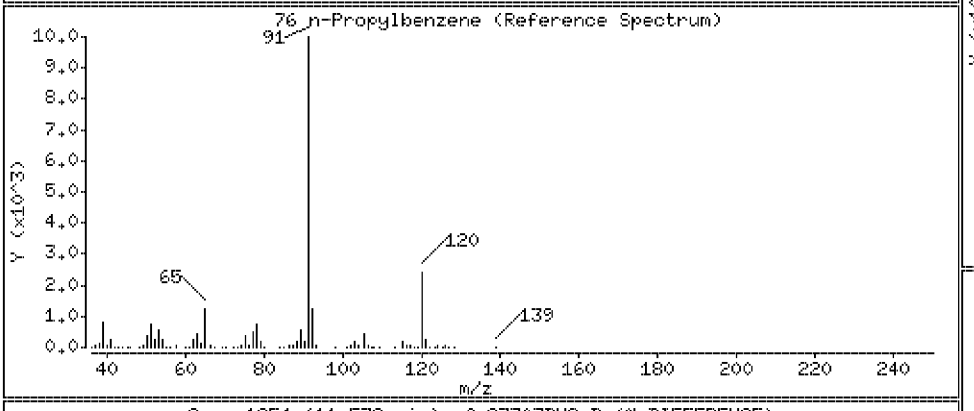
Purge Volume: 5.0 Operator:

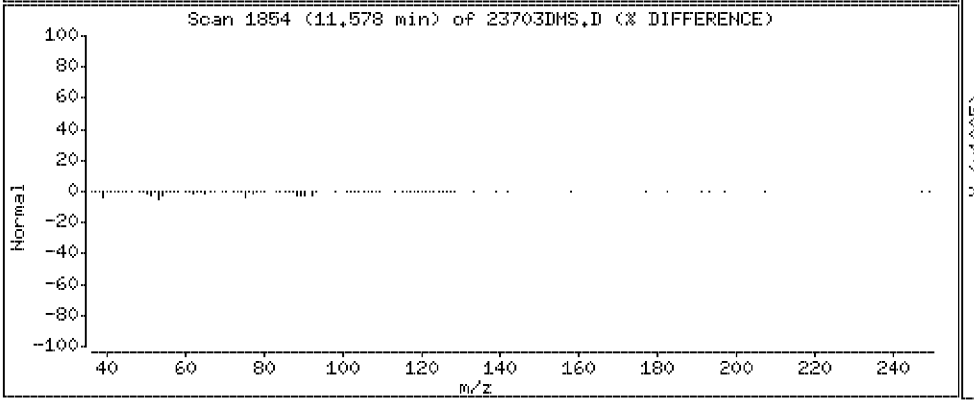
Column phase: RTX-502.2 Column diameter: 0.18

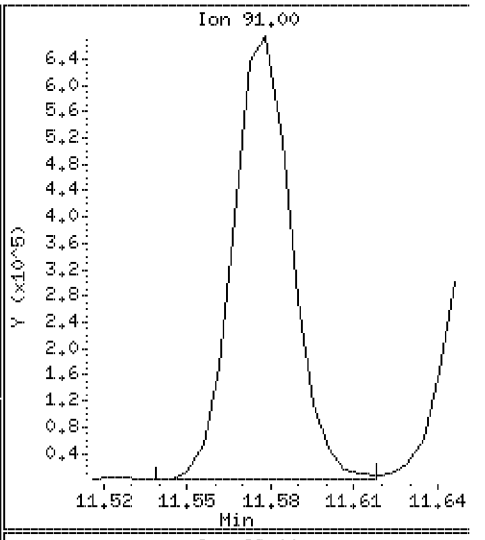
76 n-Propylbenzene Concentration: 104 ug/l

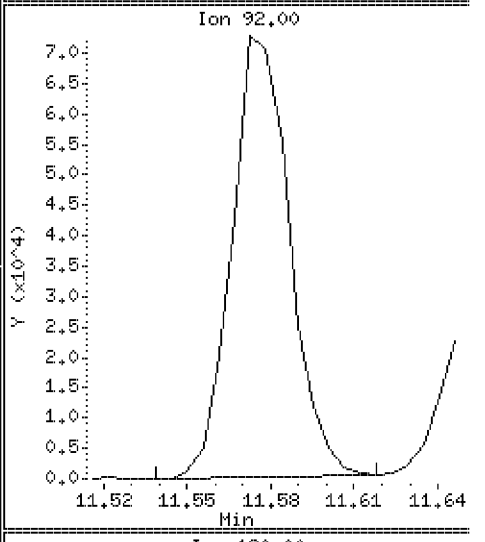


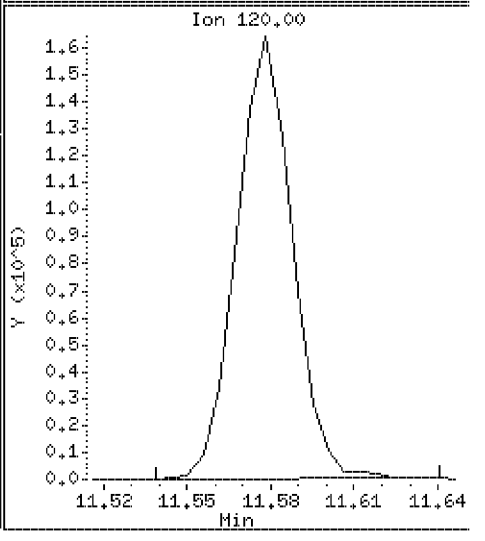












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

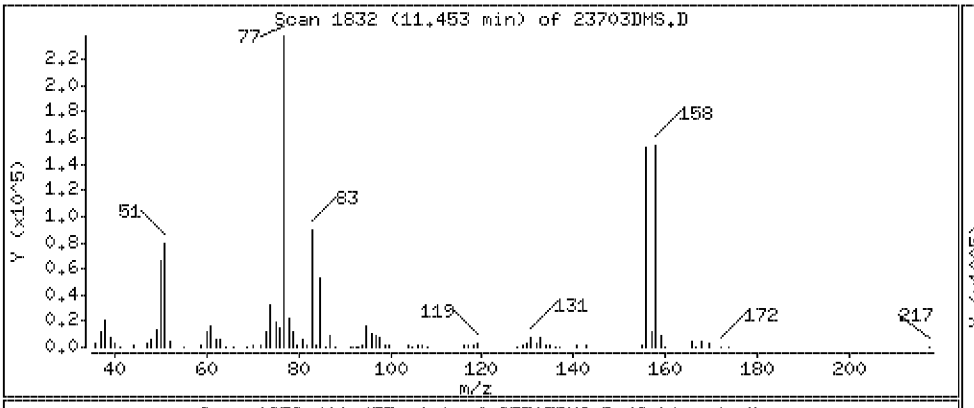
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

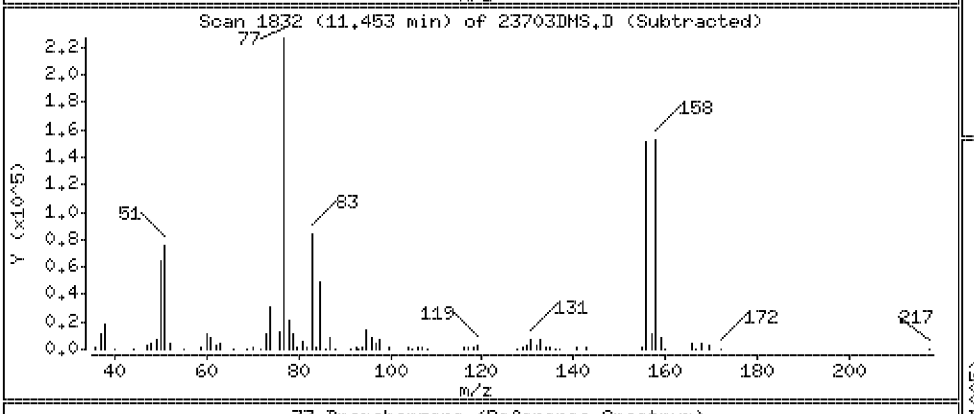
Sample Info: 350023703;3500237;5;

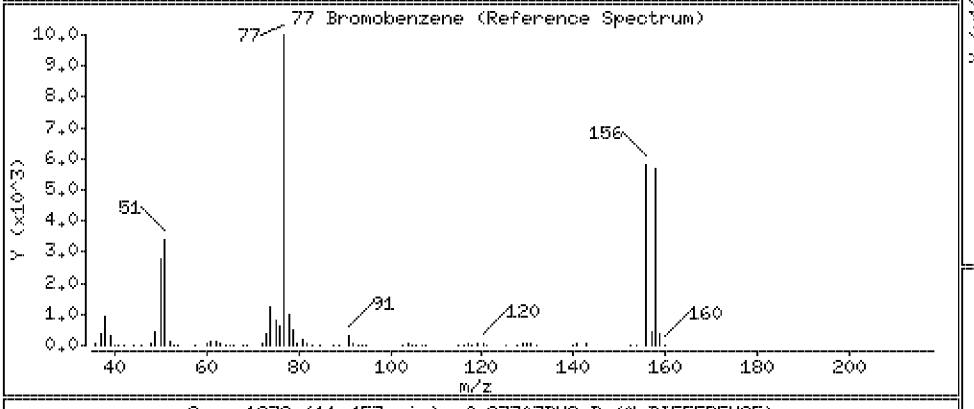
Purge Volume: 5.0 Operator:

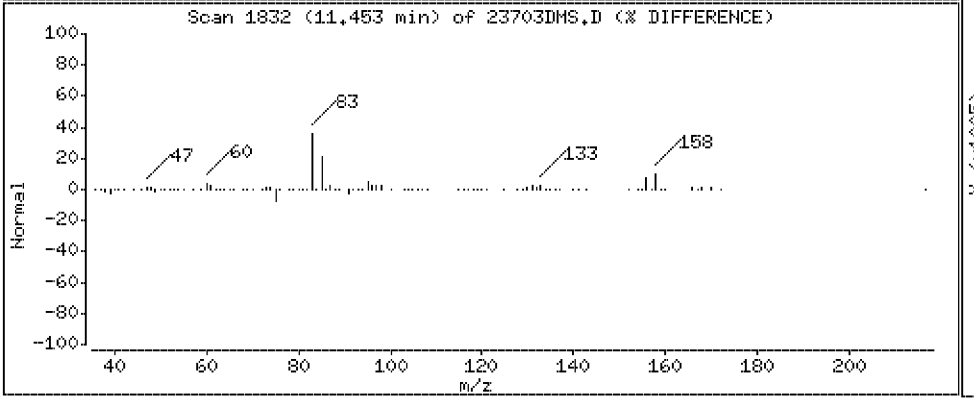
Column phase: RTX-502.2 Column diameter: 0.18

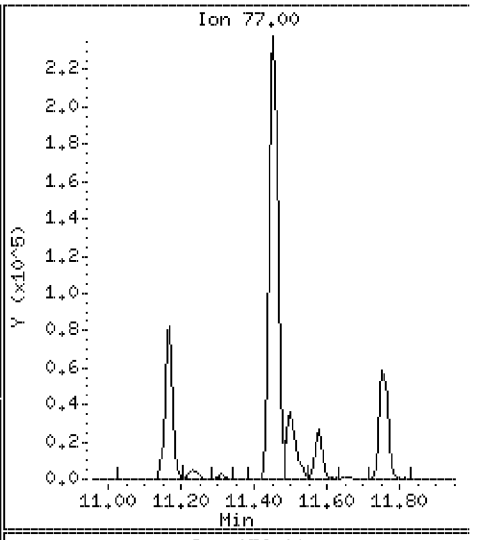
77 Bromobenzene Concentration: 95.4 ug/l

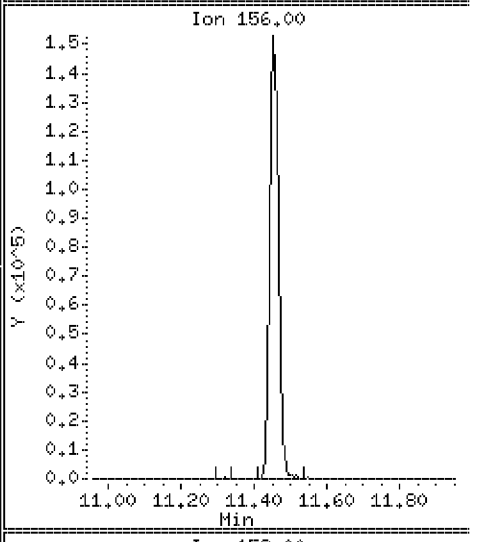


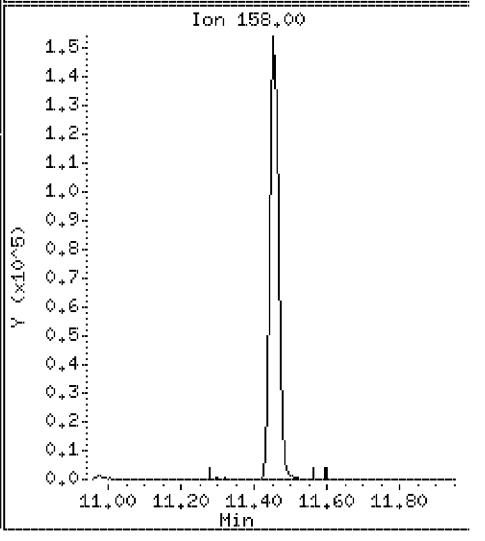












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

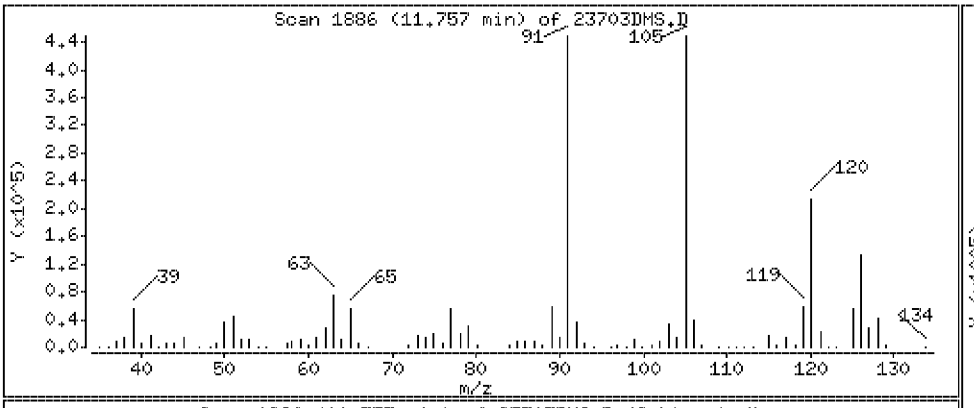
Operator:

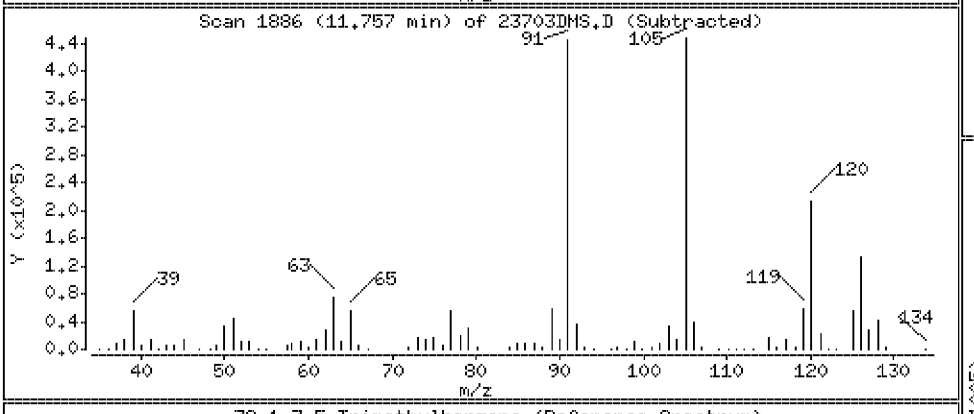
Column phase: RTX-502.2

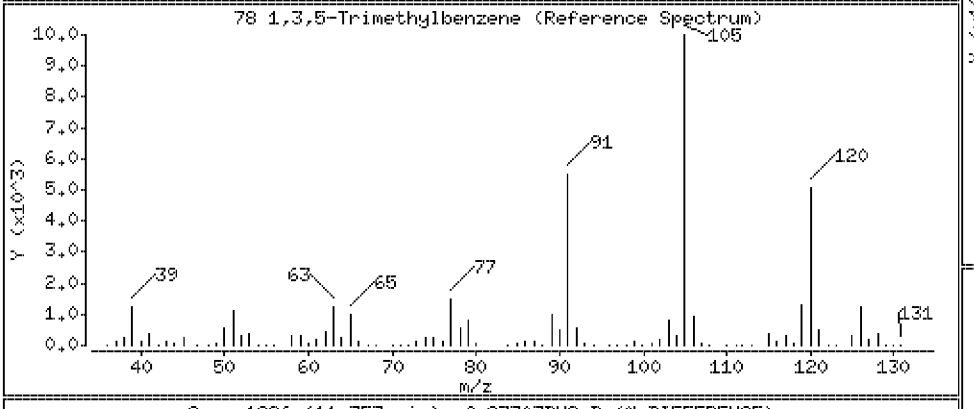
Column diameter: 0.18

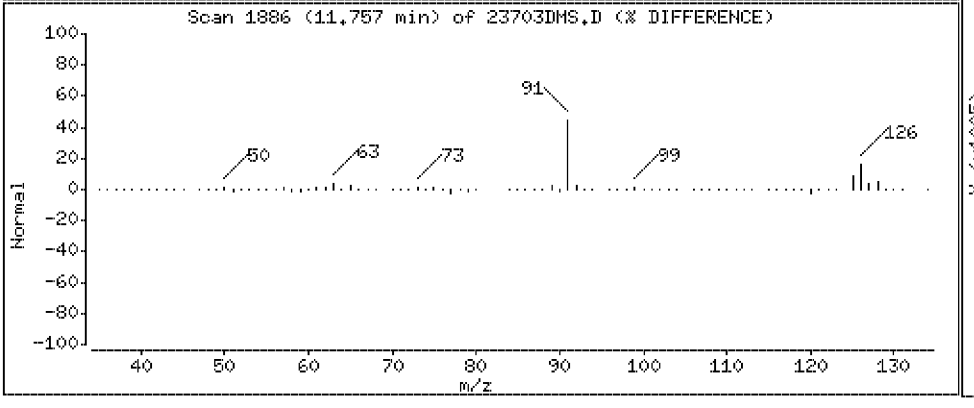
78 1,3,5-Trimethylbenzene

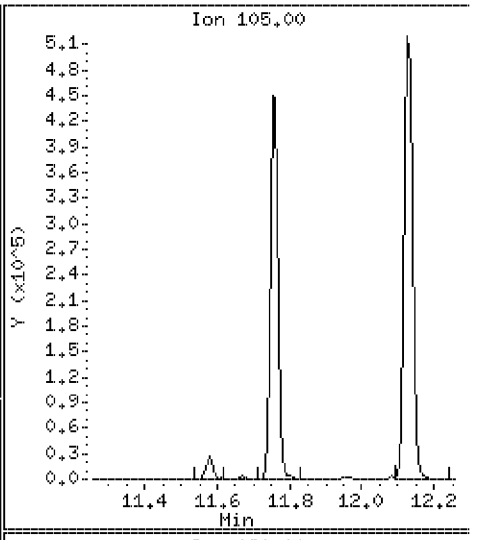
Concentration: 100 ug/l

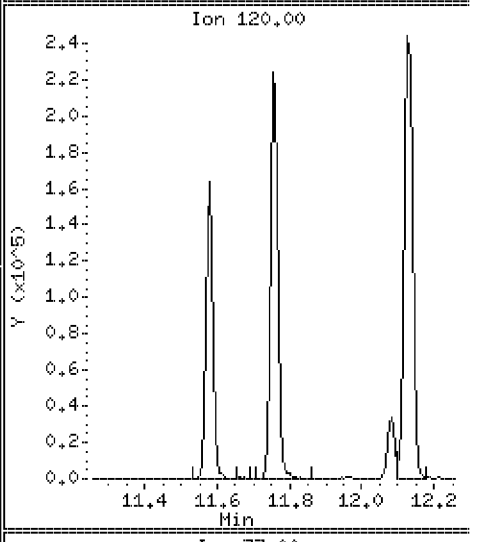


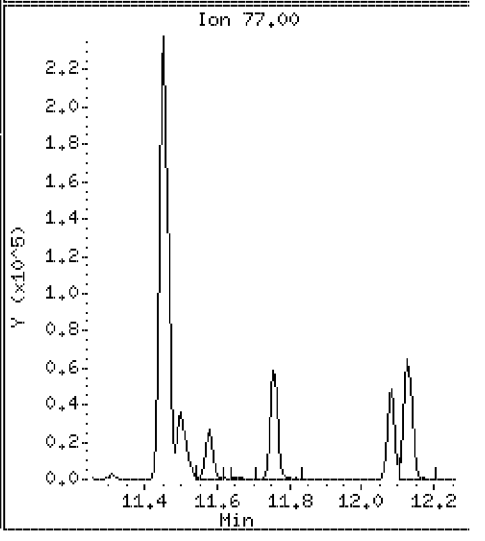












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Date : 27-JUL-2010 15:17

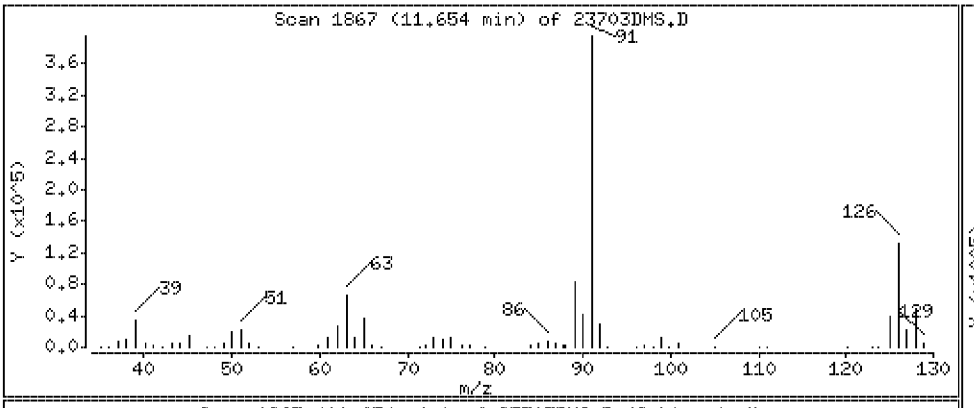
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

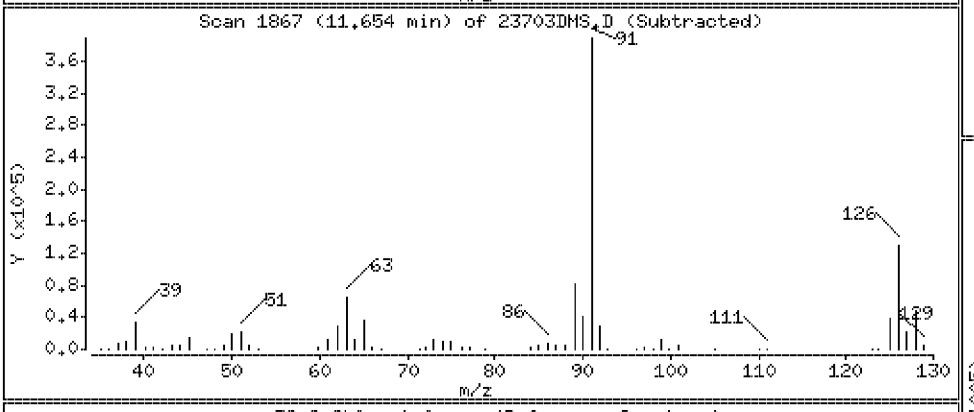
Sample Info: 350023703;3500237;5;

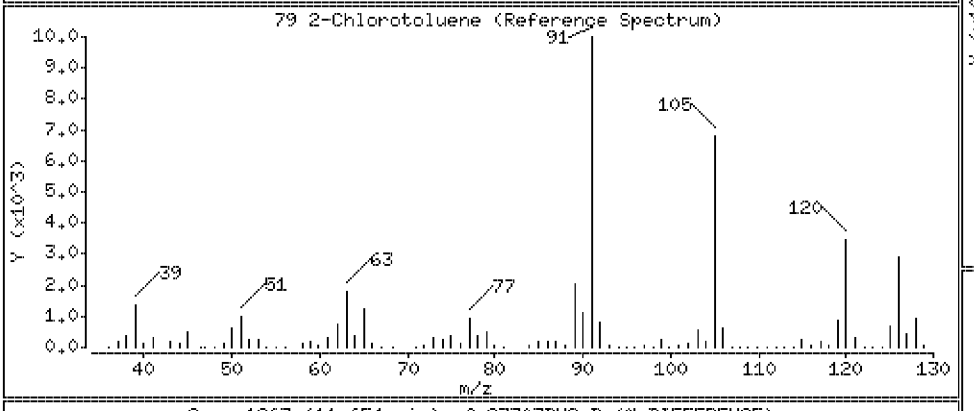
Purge Volume: 5.0 Operator:

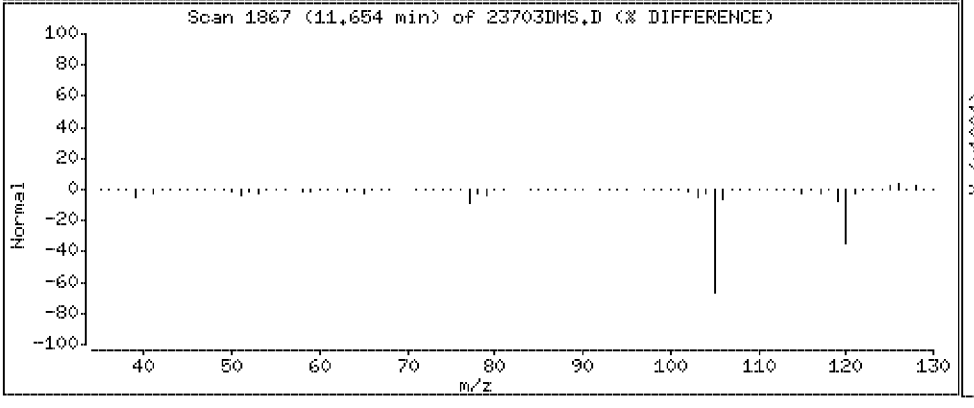
Column phase: RTX-502.2 Column diameter: 0.18

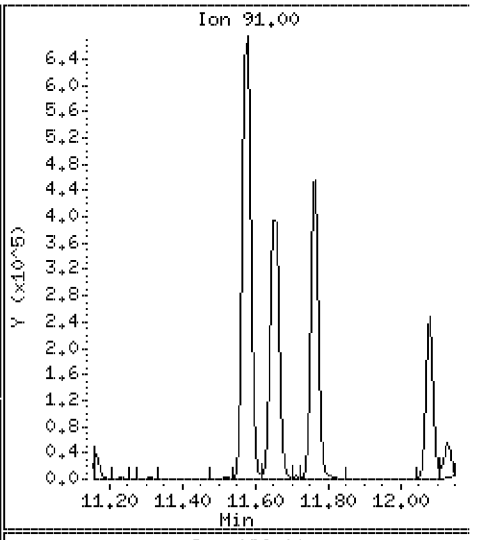
79 2-Chlorotoluene Concentration: 99.4 ug/l

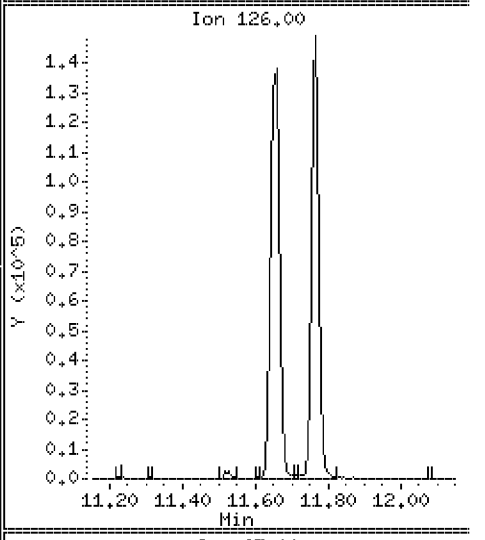


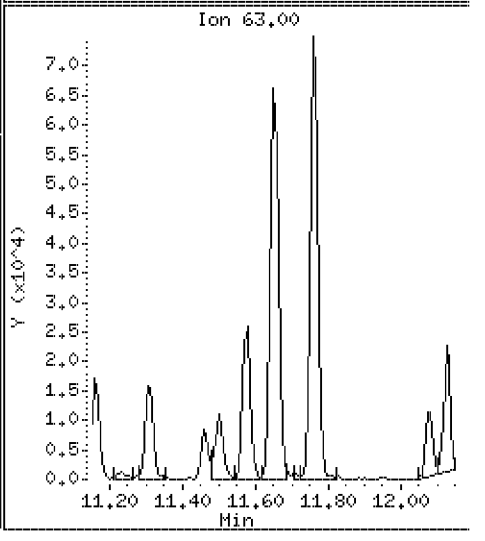












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

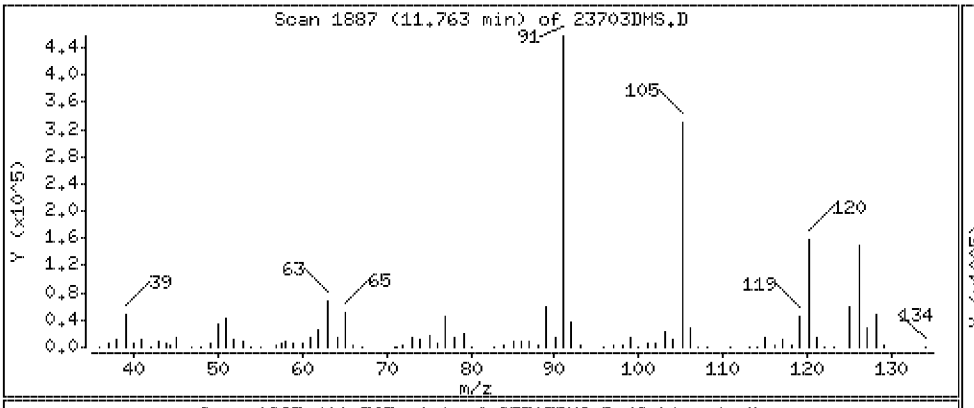
Operator:

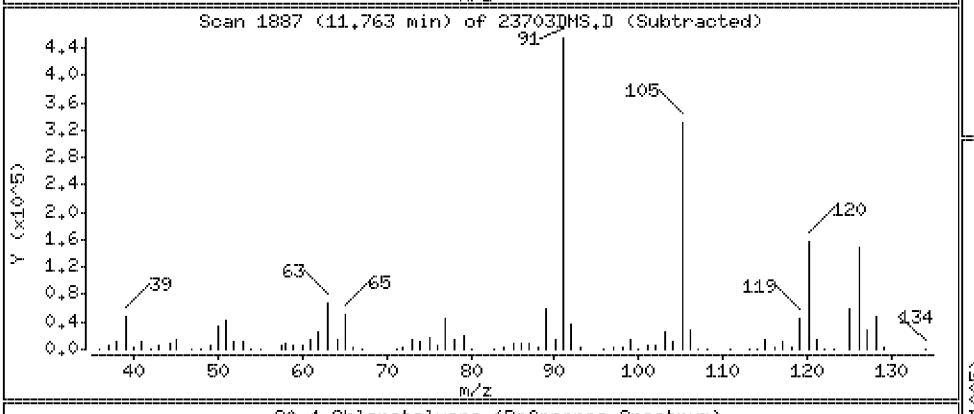
Column phase: RTX-502.2

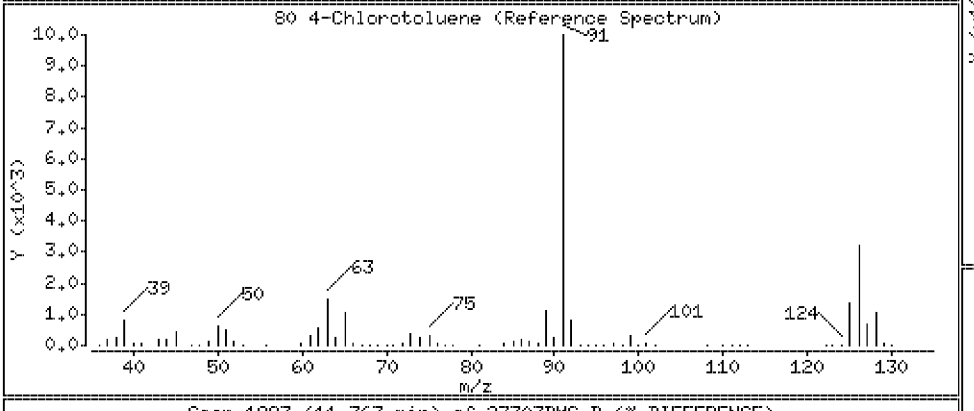
Column diameter: 0.18

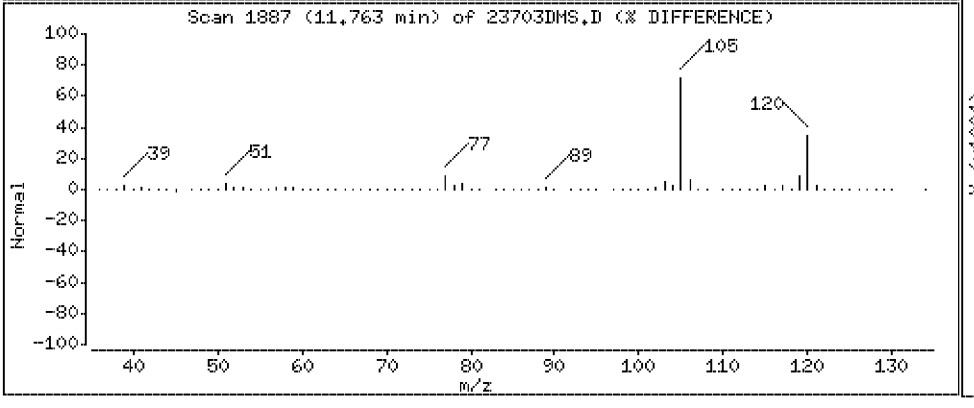
80 4-Chlorotoluene

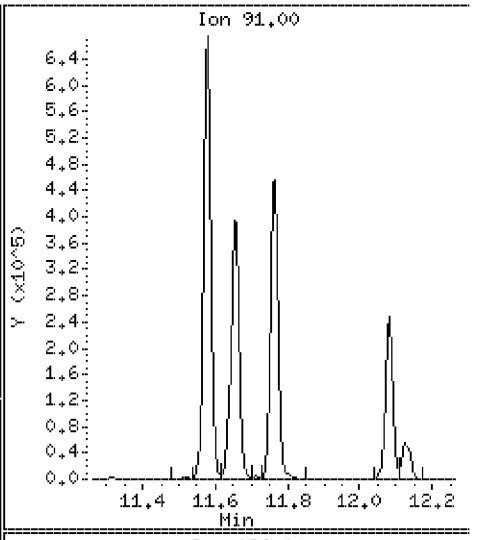
Concentration: 99.2 ug/l

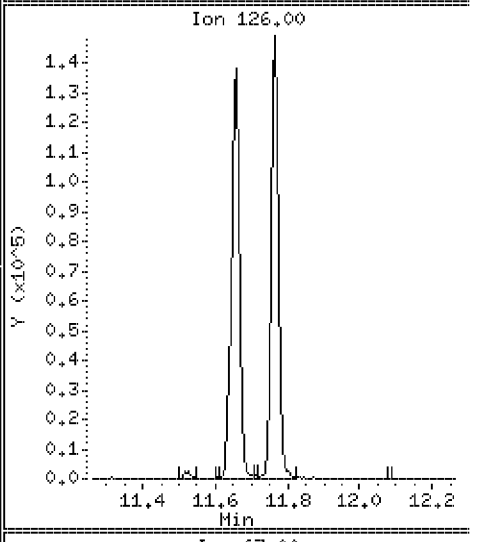


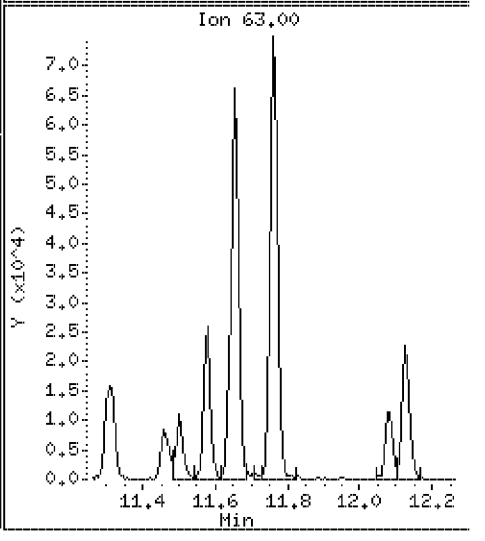












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

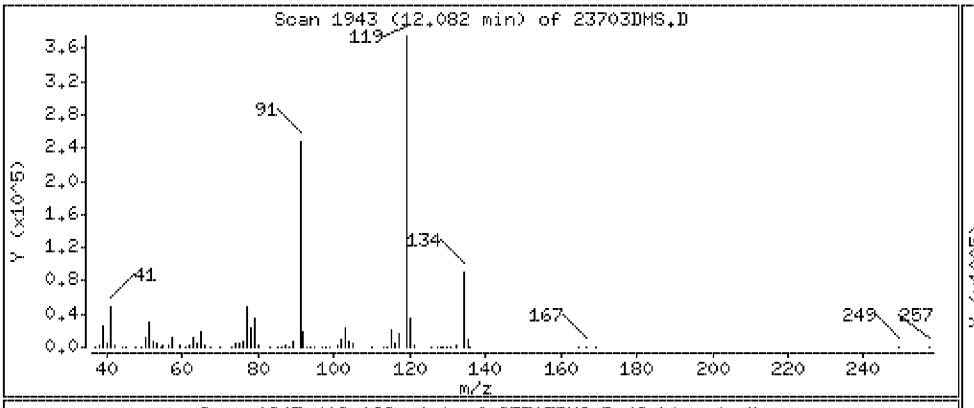
Operator:

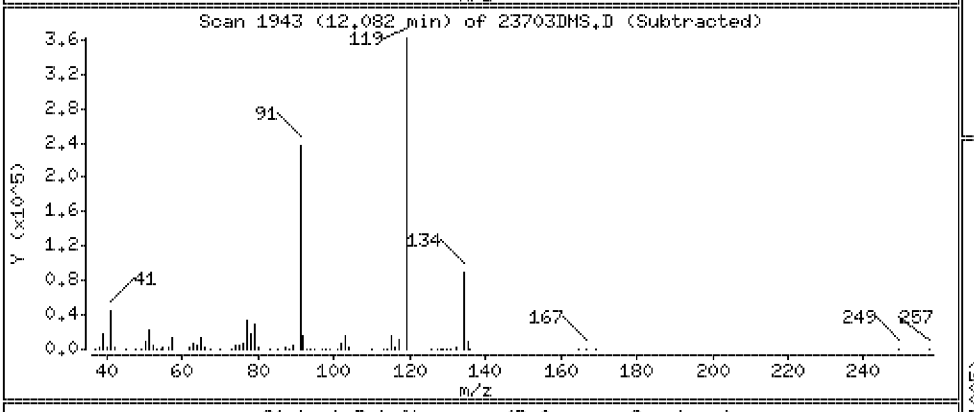
Column phase: RTX-502.2

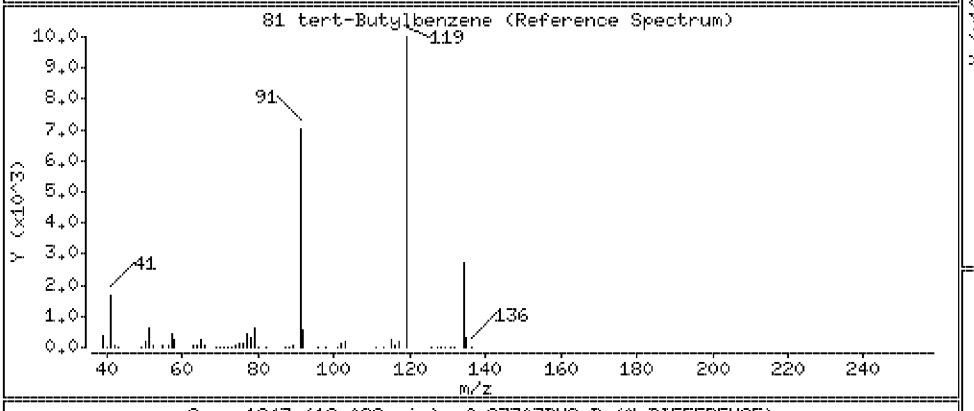
Column diameter: 0.18

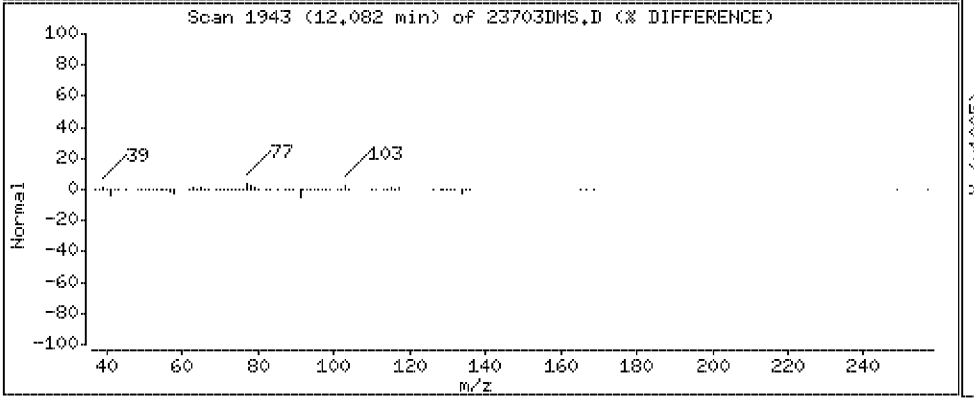
81 tert-Butylbenzene

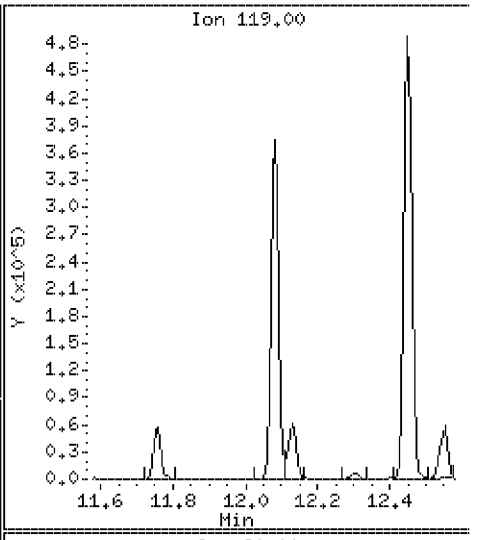
Concentration: 103 ug/l

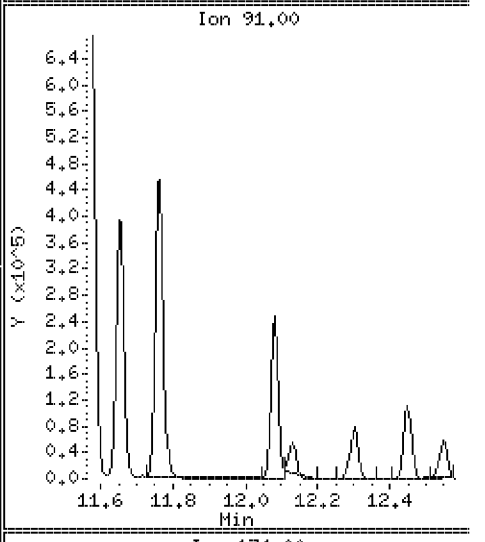


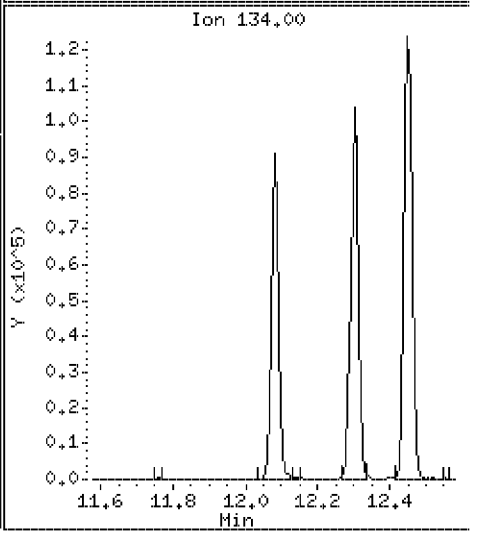












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

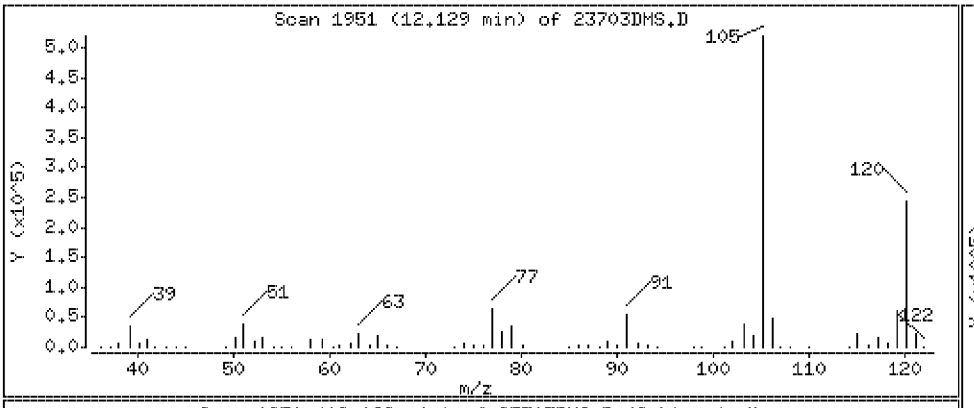
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

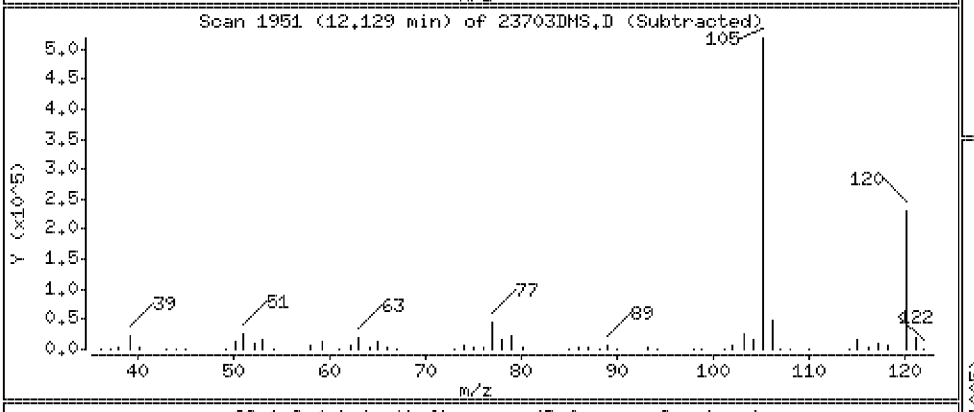
Sample Info: 350023703;3500237;5;

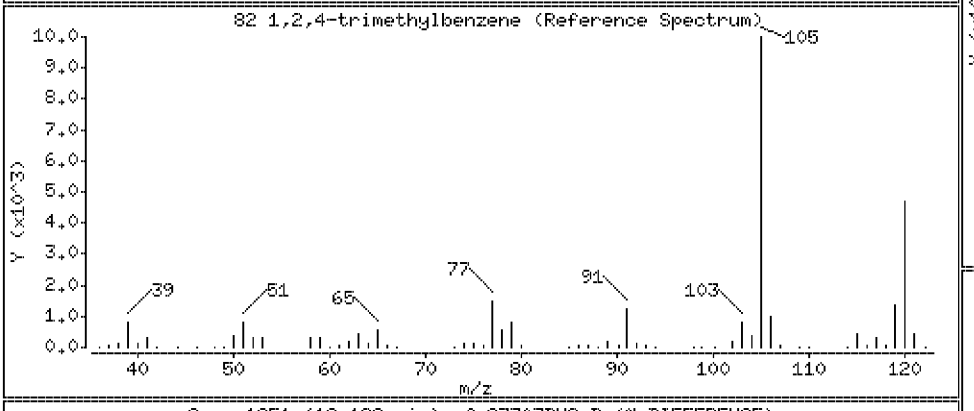
Purge Volume: 5.0 Operator:

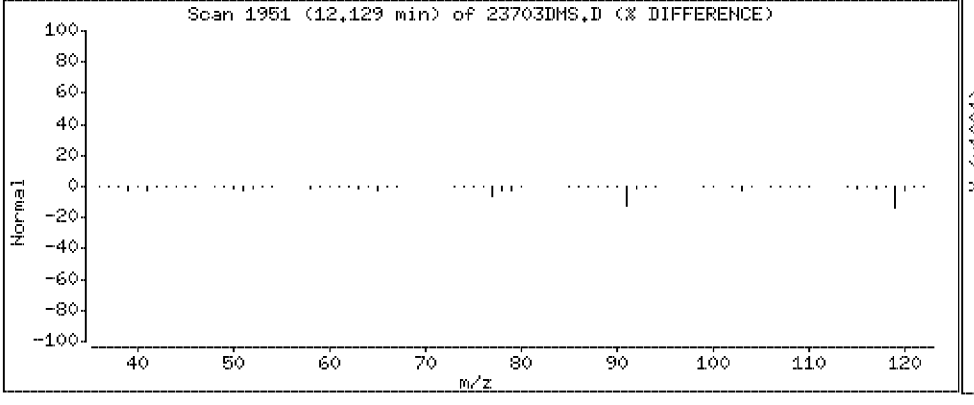
Column phase: RTX-502.2 Column diameter: 0.18

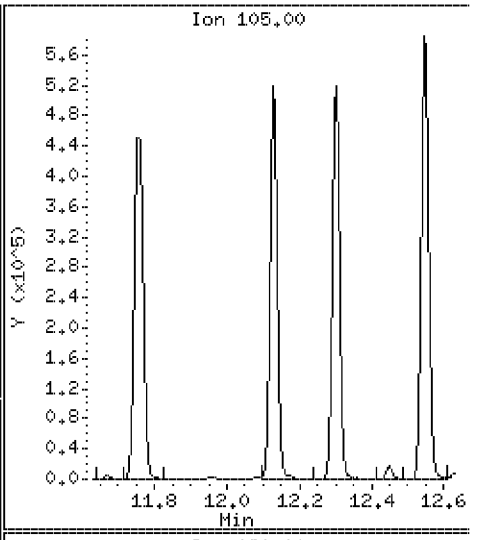
82 1,2,4-trimethylbenzene Concentration: 102 ug/l

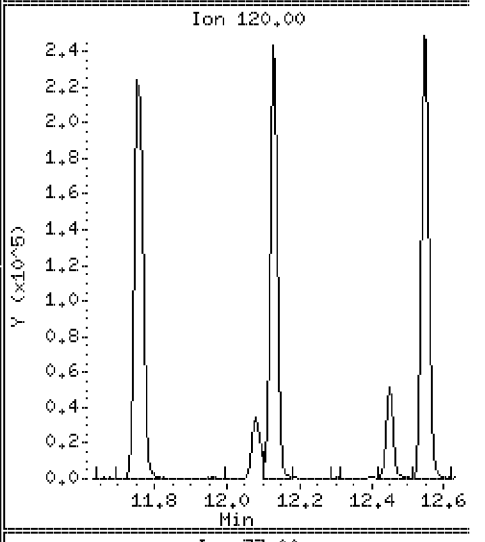


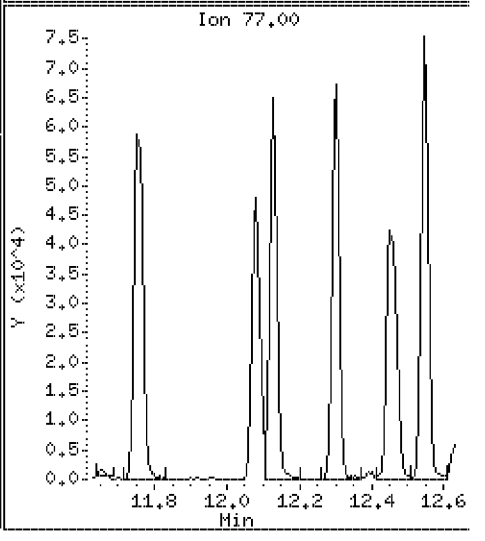












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

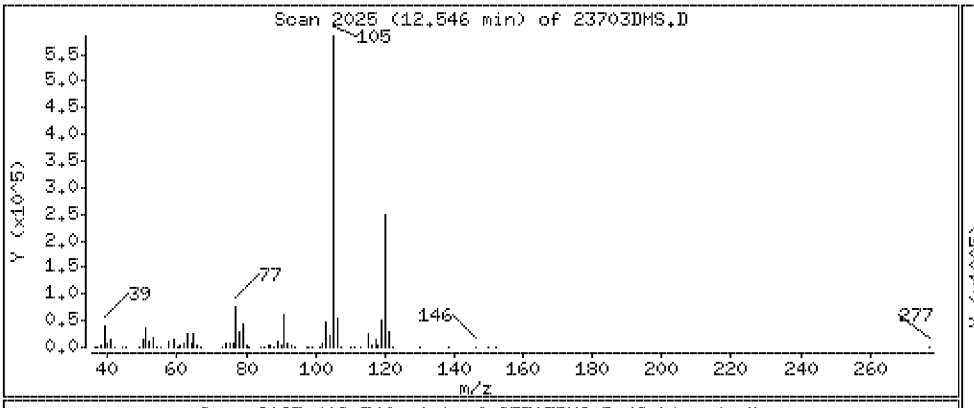
Operator:

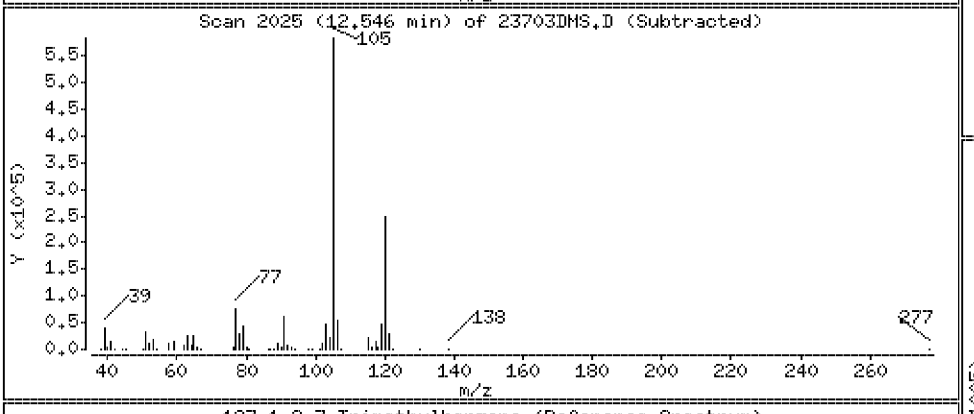
Column phase: RTX-502.2

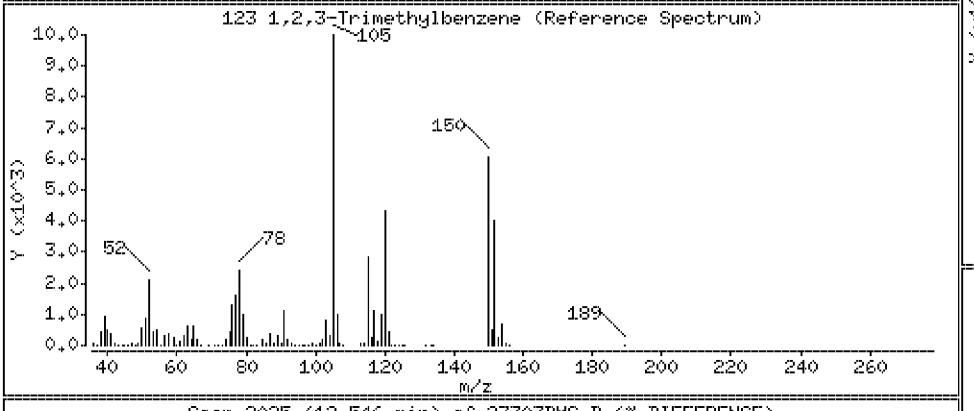
Column diameter: 0.18

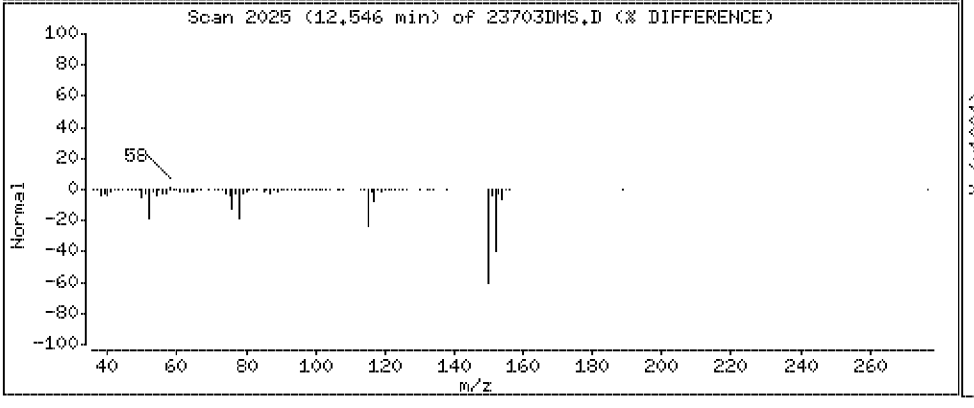
123 1,2,3-Trimethylbenzene

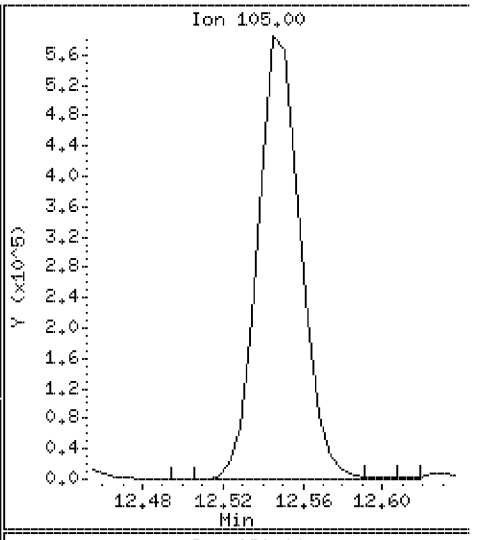
Concentration: 111 ug/l

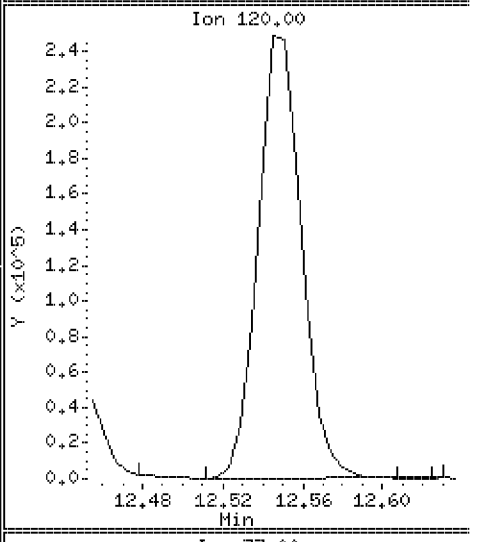


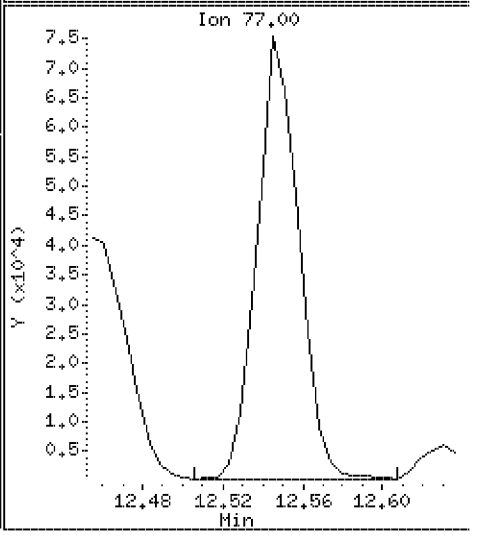












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

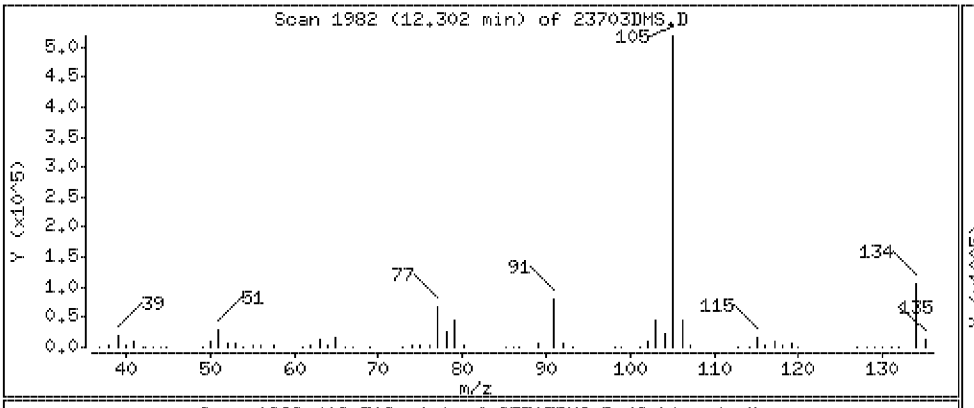
Operator:

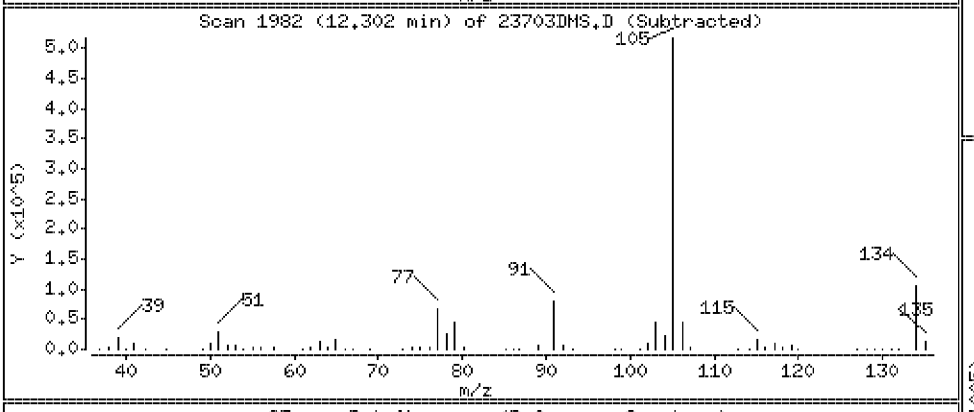
Column phase: RTX-502.2

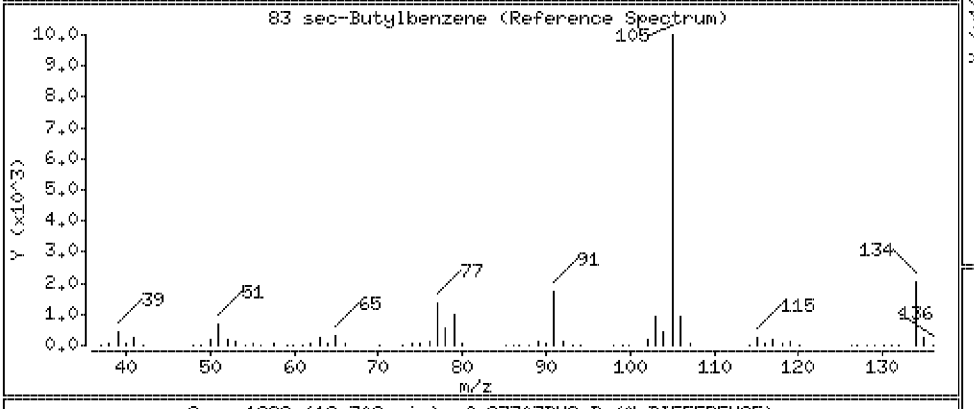
Column diameter: 0.18

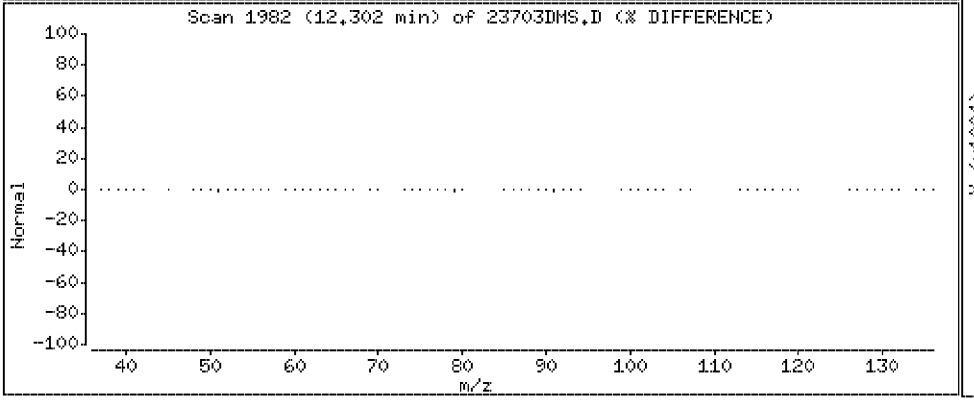
83 sec-Butylbenzene

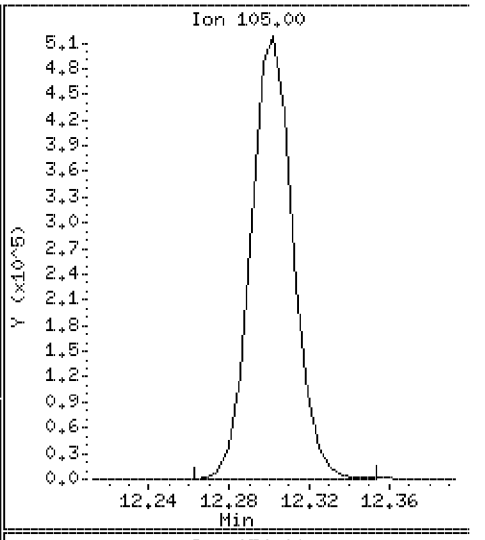
Concentration: 102 ug/l

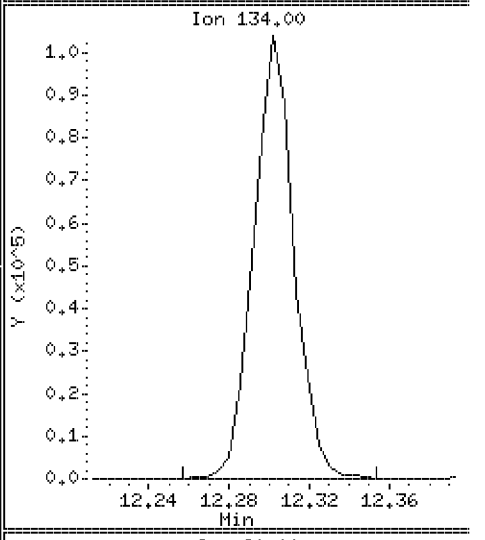


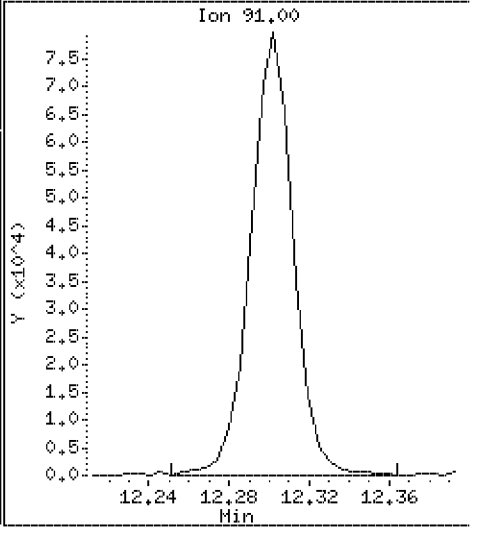












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

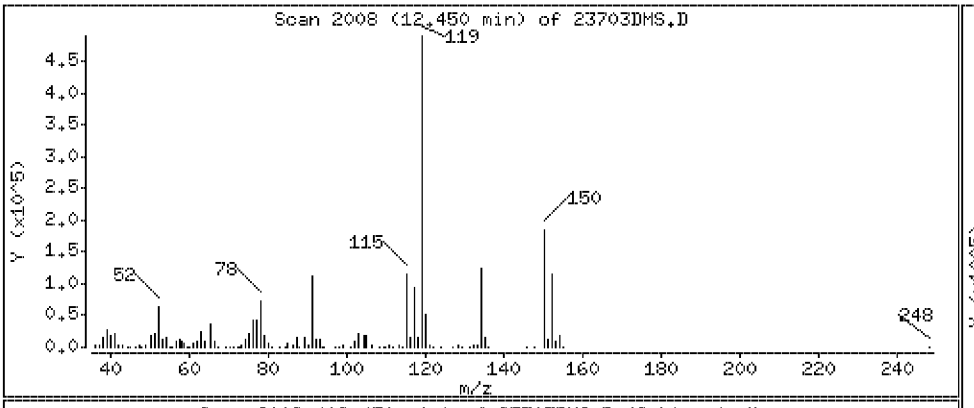
Operator:

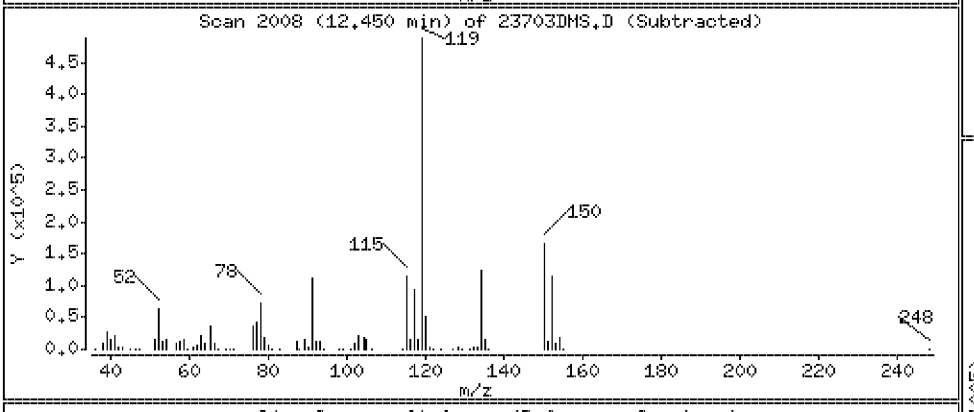
Column phase: RTX-502.2

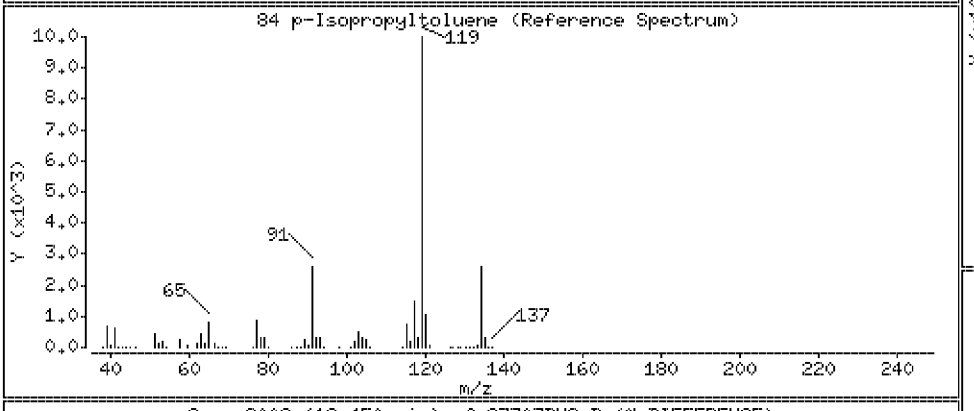
Column diameter: 0.18

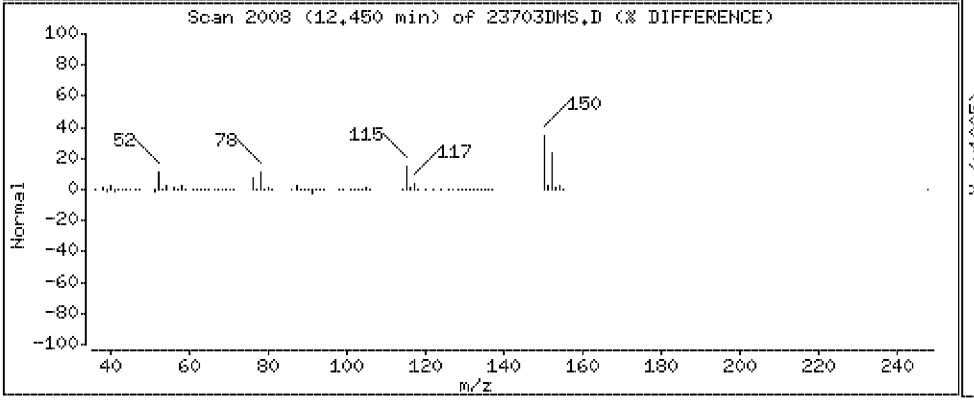
84 p-Isopropyltoluene

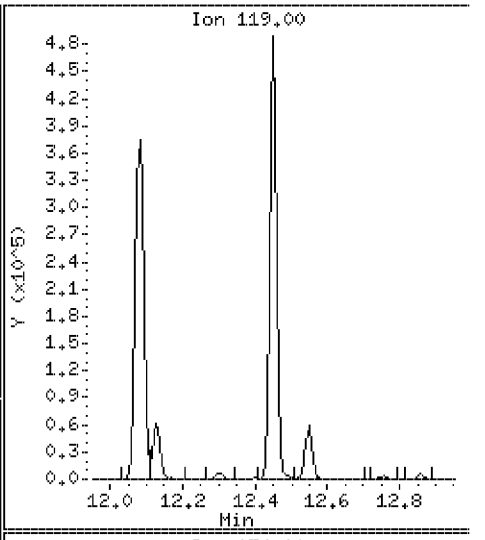
Concentration: 101 ug/l

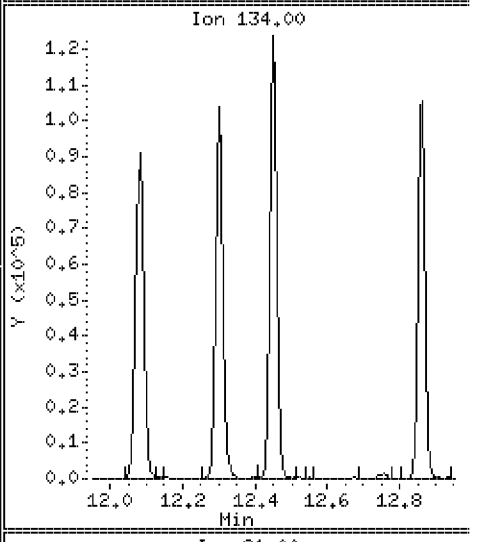


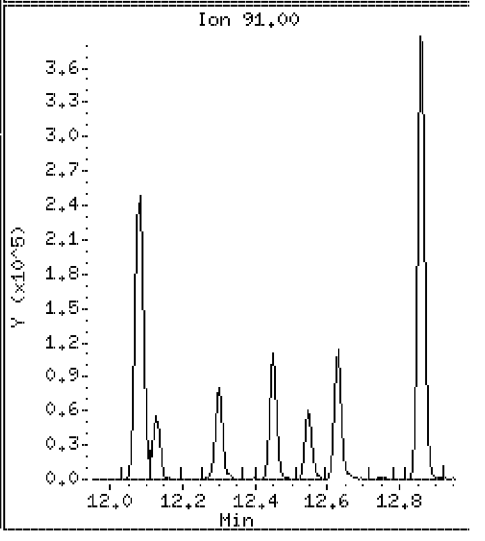












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

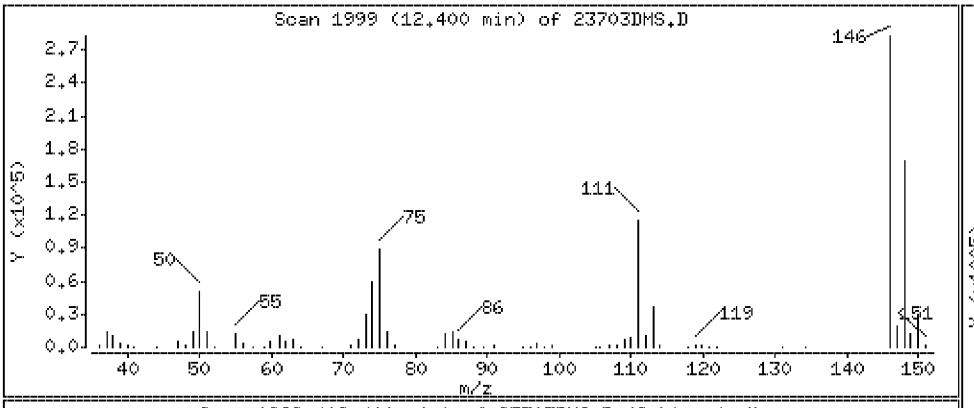
Operator:

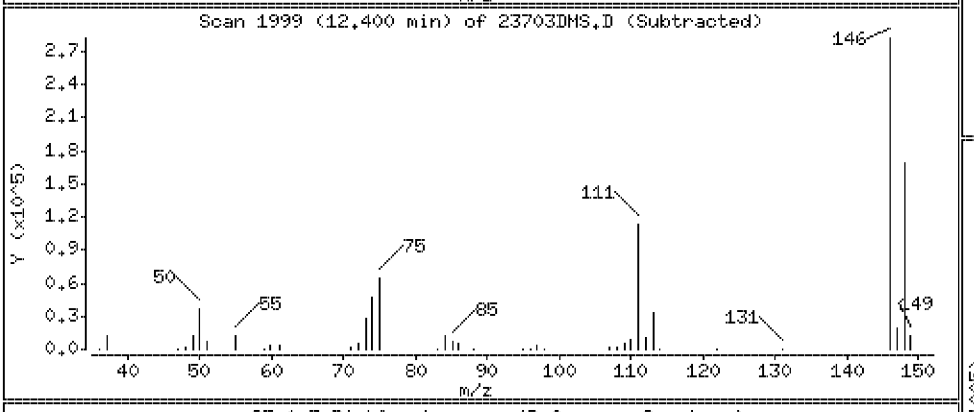
Column phase: RTX-502.2

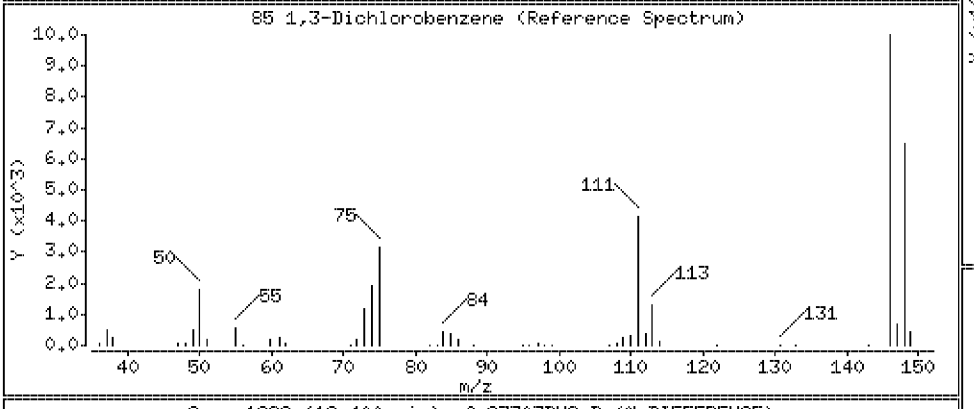
Column diameter: 0.18

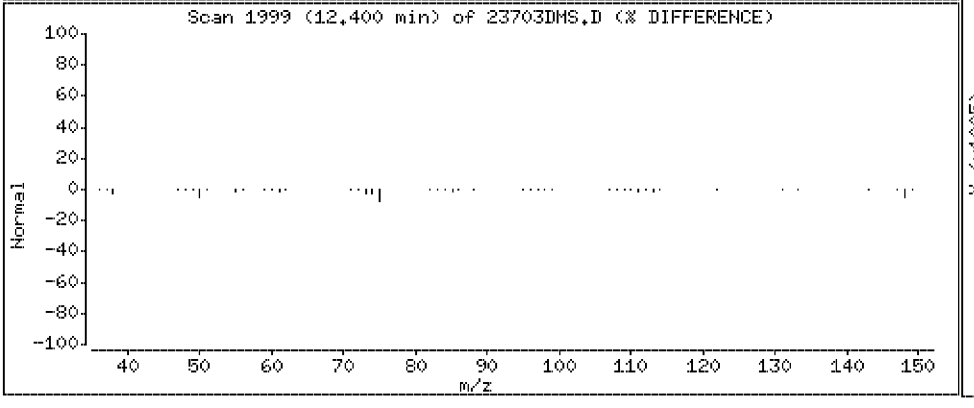
85 1,3-Dichlorobenzene

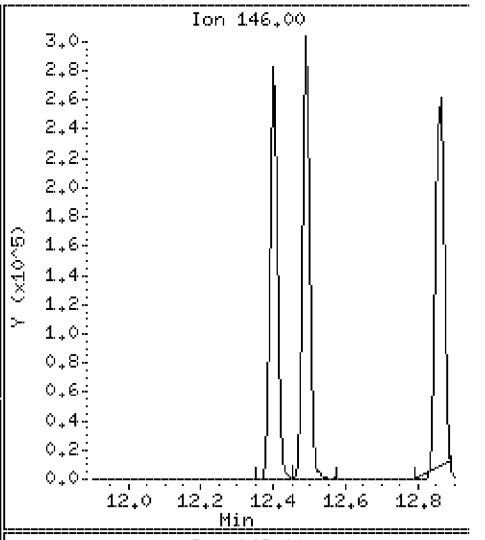
Concentration: 101 ug/l

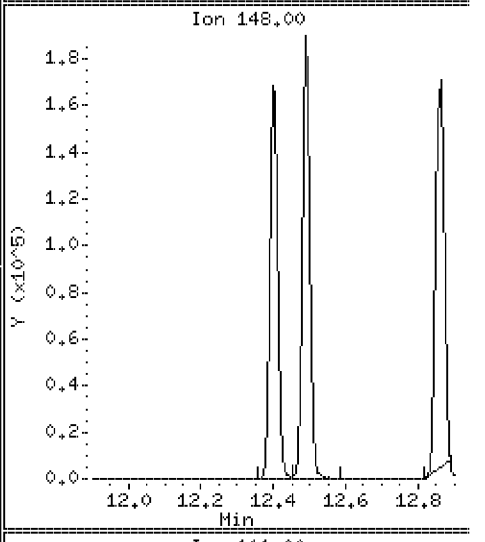


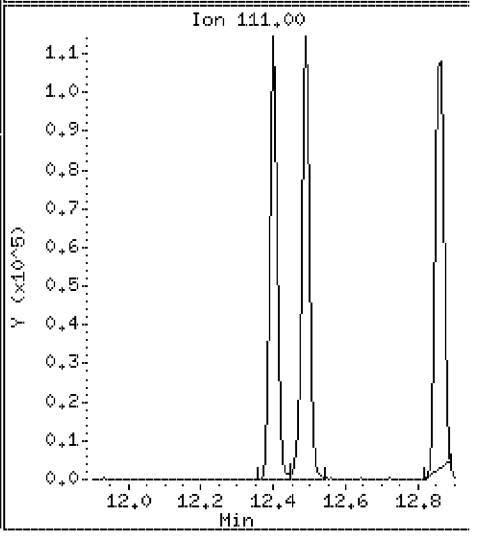












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

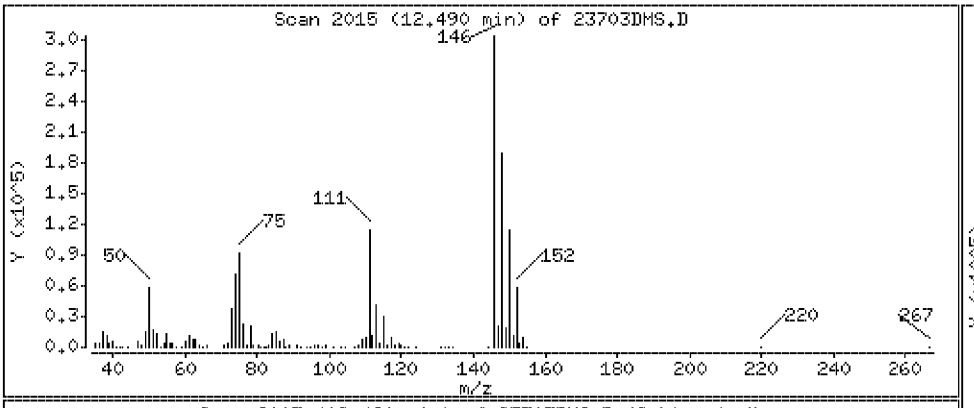
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

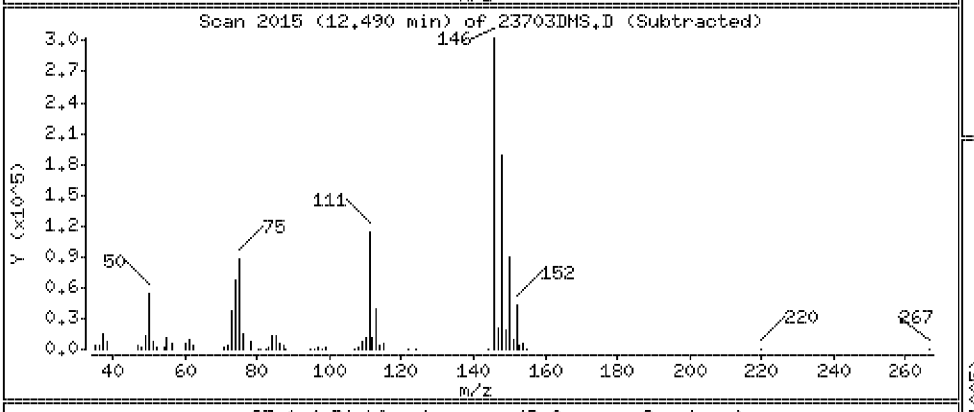
Sample Info: 350023703;3500237;5;

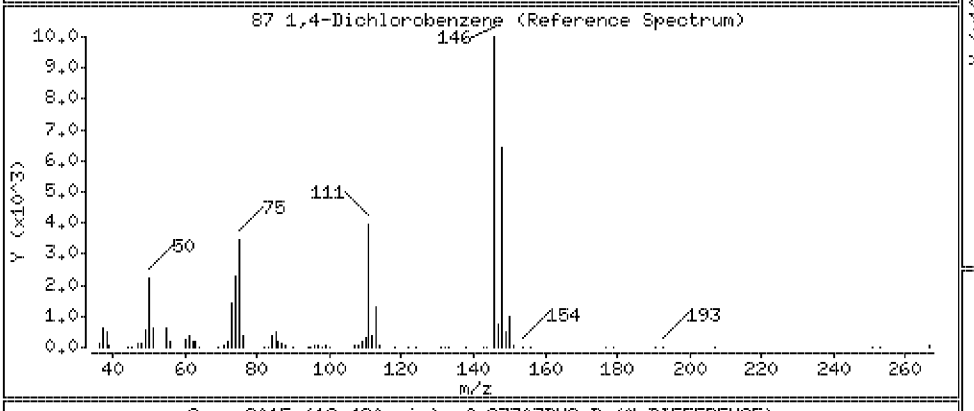
Purge Volume: 5.0 Operator:

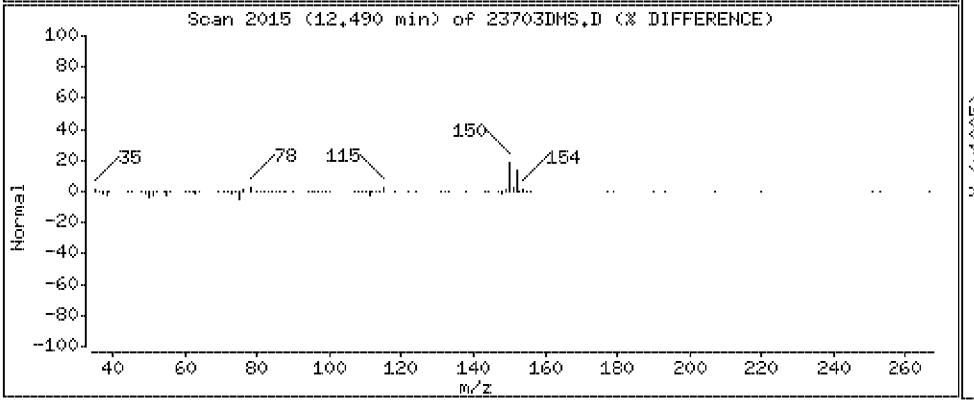
Column phase: RTX-502.2 Column diameter: 0.18

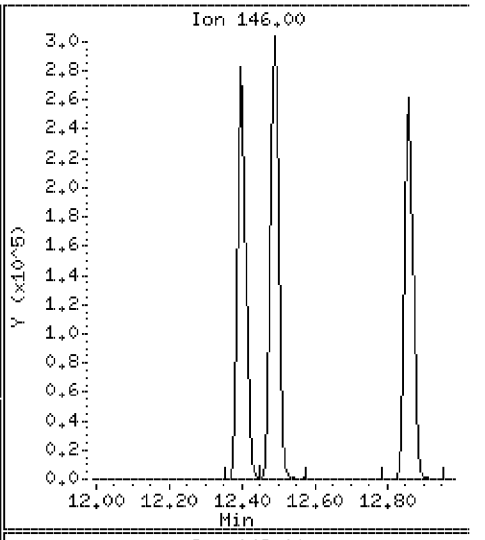
87 1,4-Dichlorobenzene Concentration: 98.3 ug/l

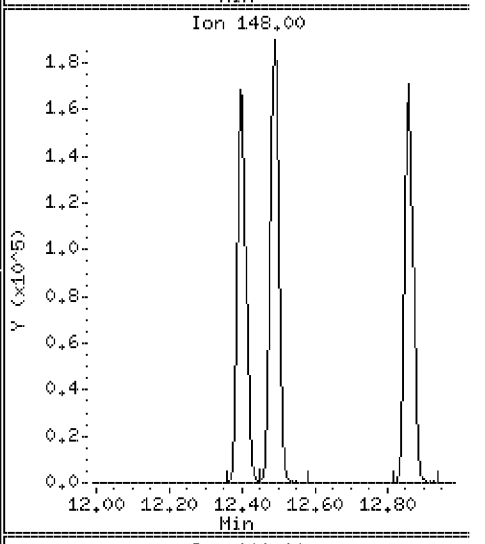


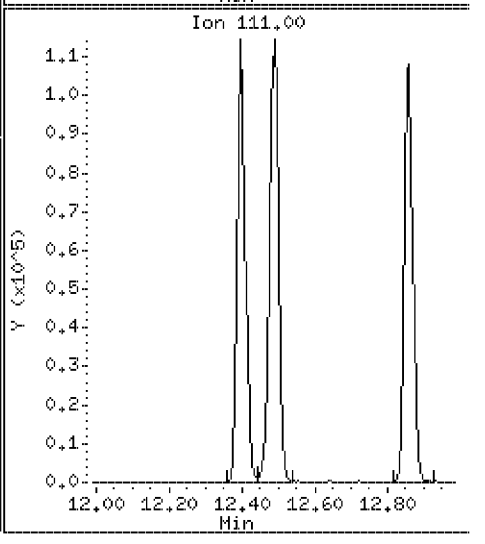












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

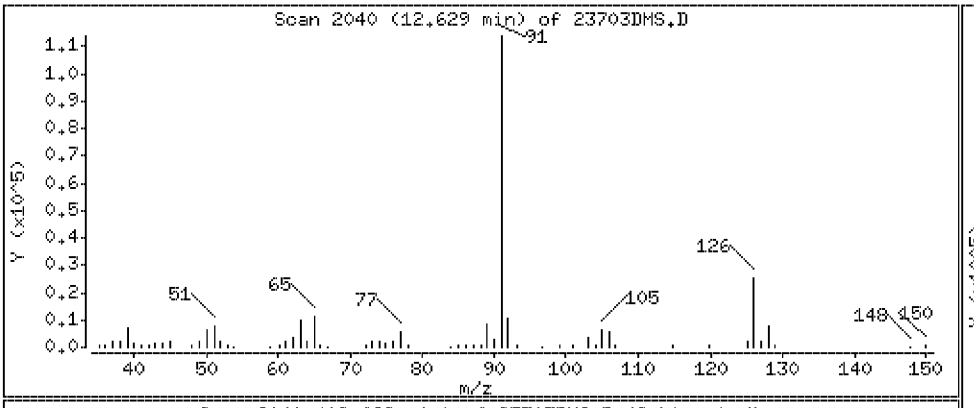
Operator:

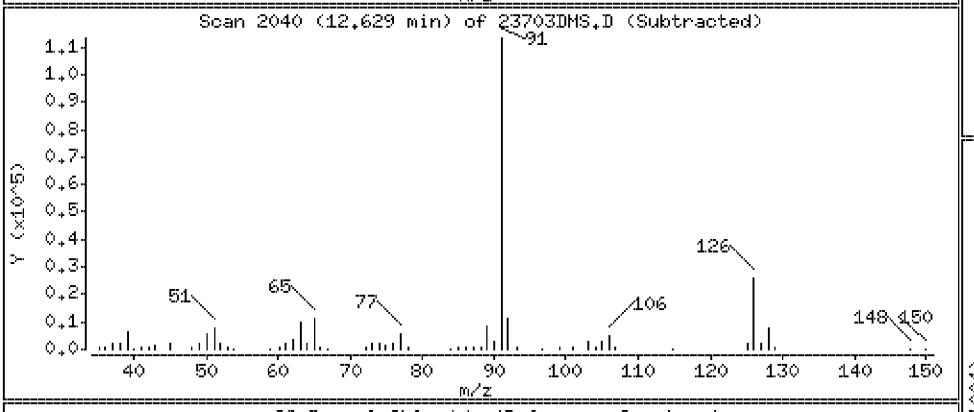
Column phase: RTX-502.2

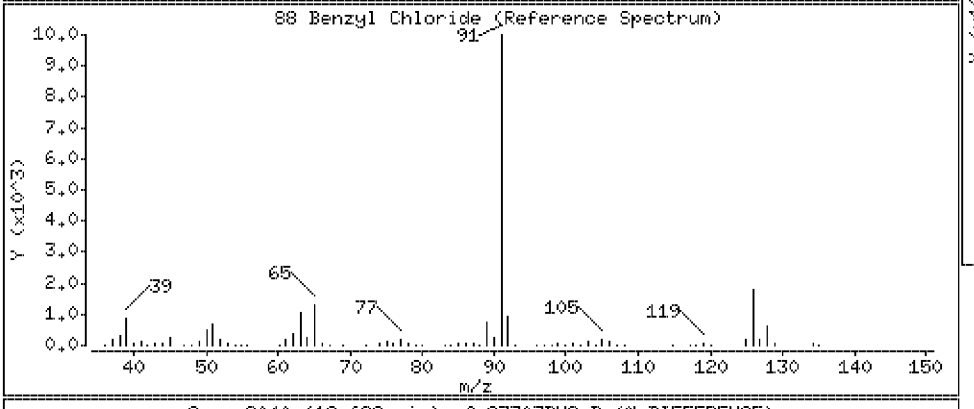
Column diameter: 0.18

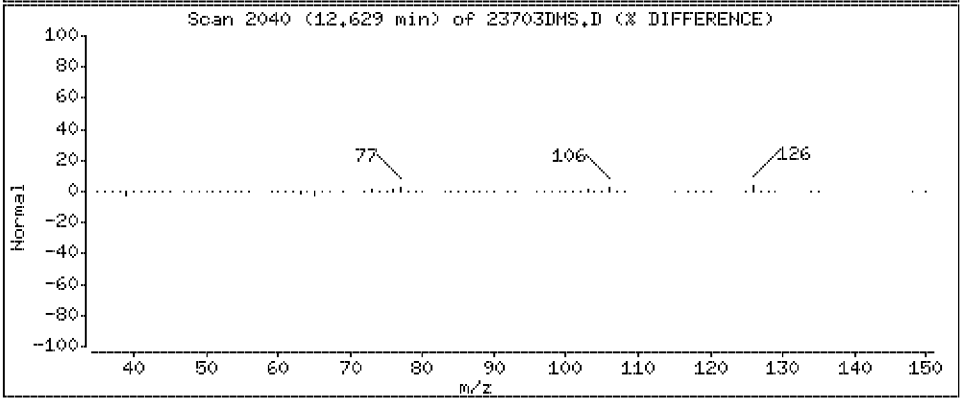
88 Benzyl Chloride

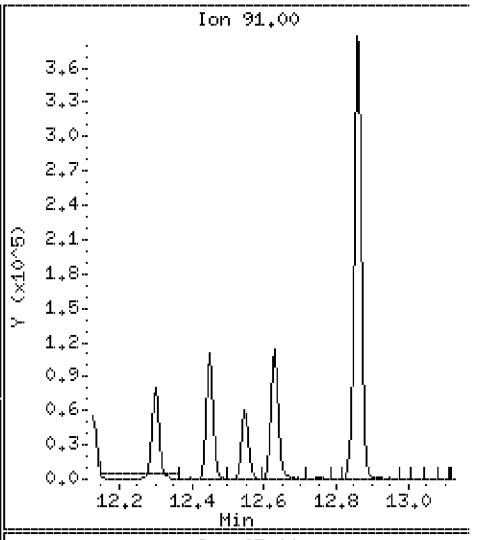
Concentration: 77.5 ug/l

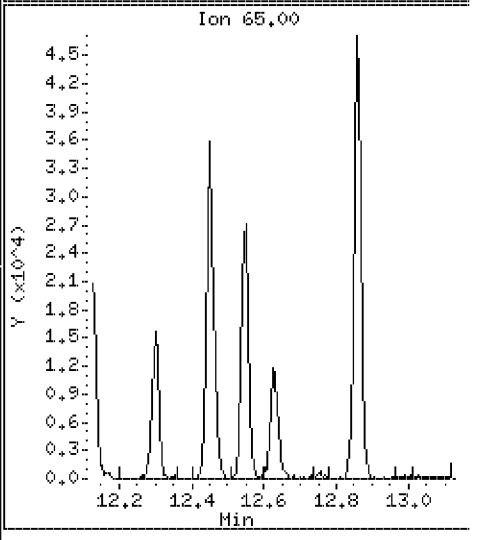












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

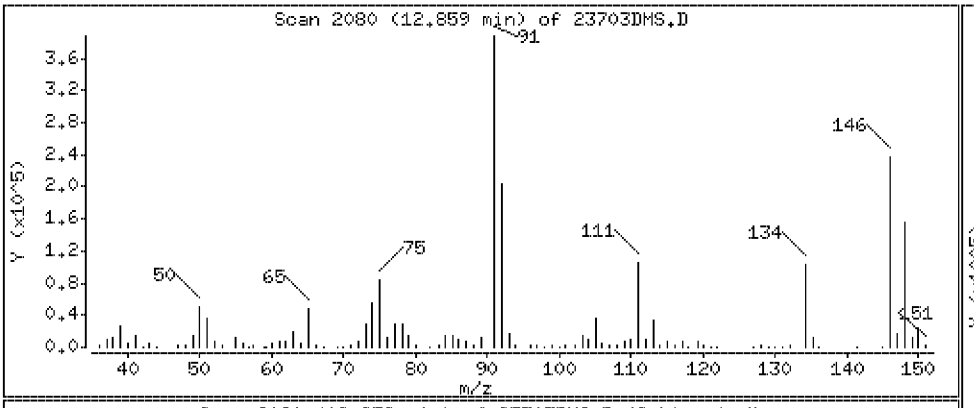
Operator:

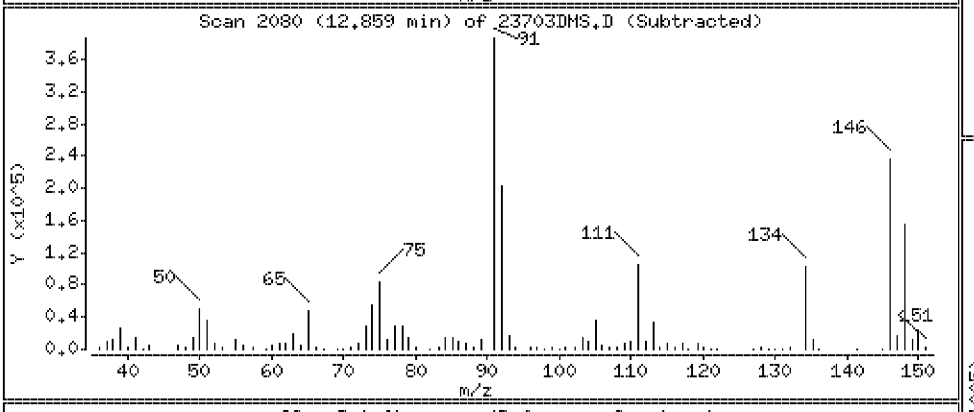
Column phase: RTX-502.2

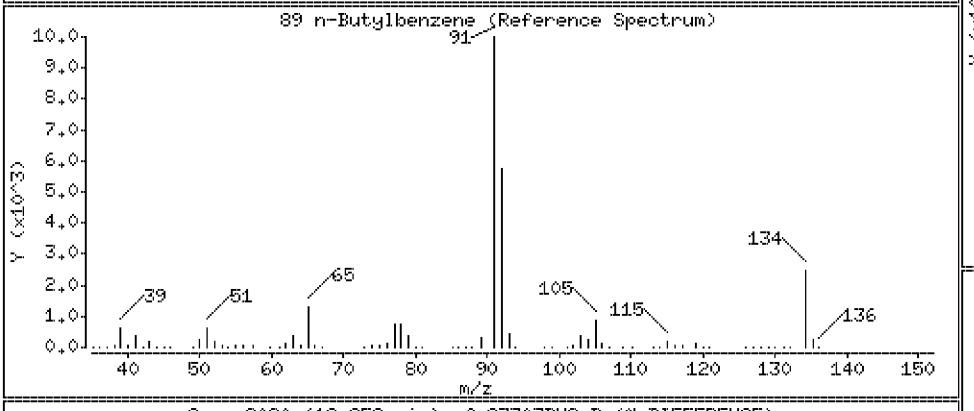
Column diameter: 0.18

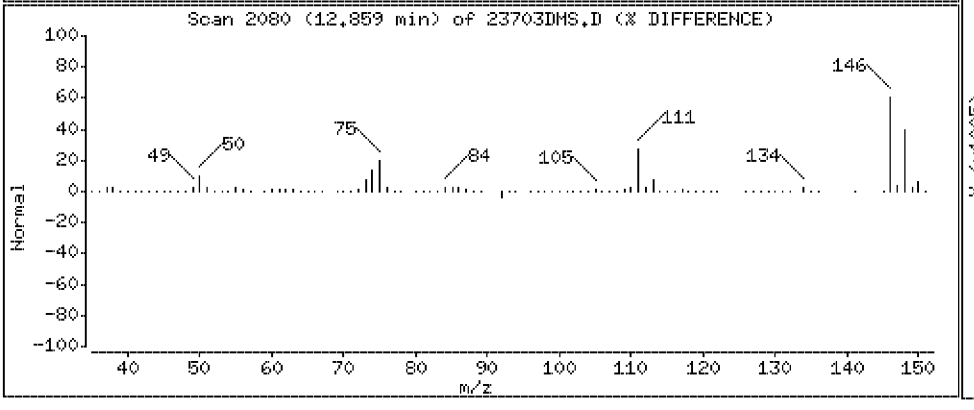
89 n-Butylbenzene

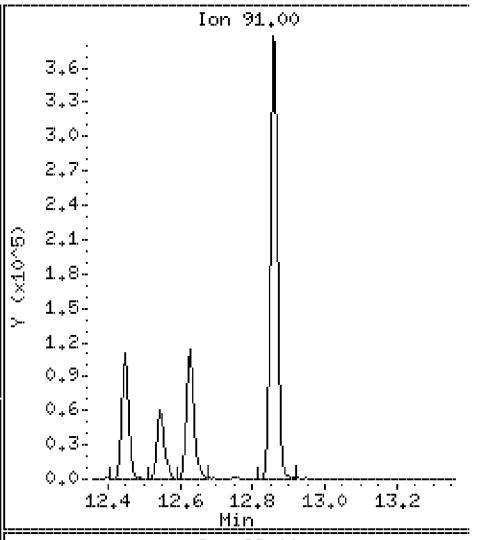
Concentration: 100 ug/l

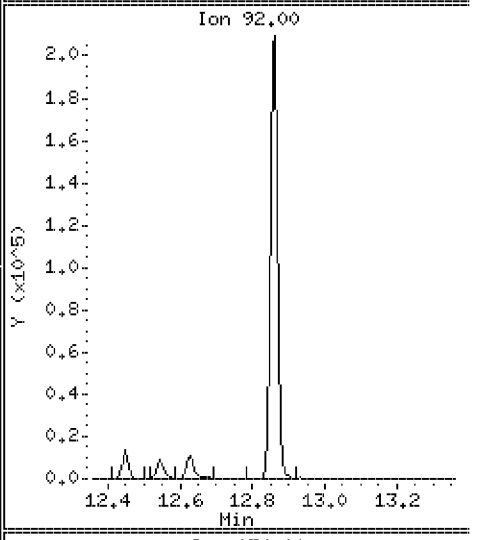


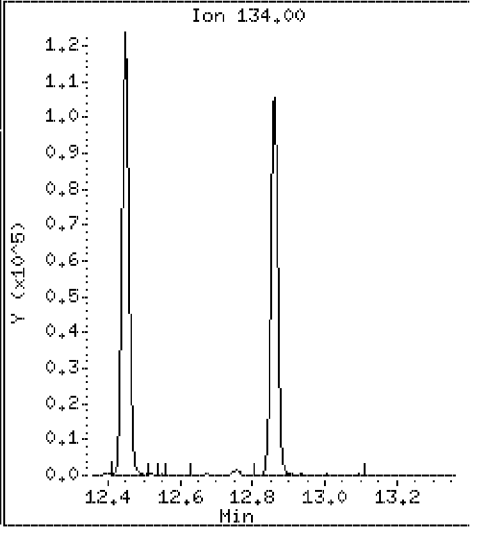












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

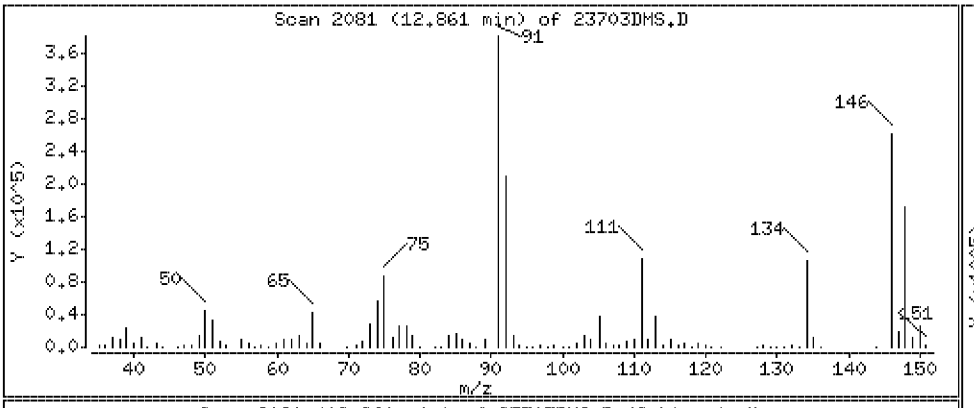
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

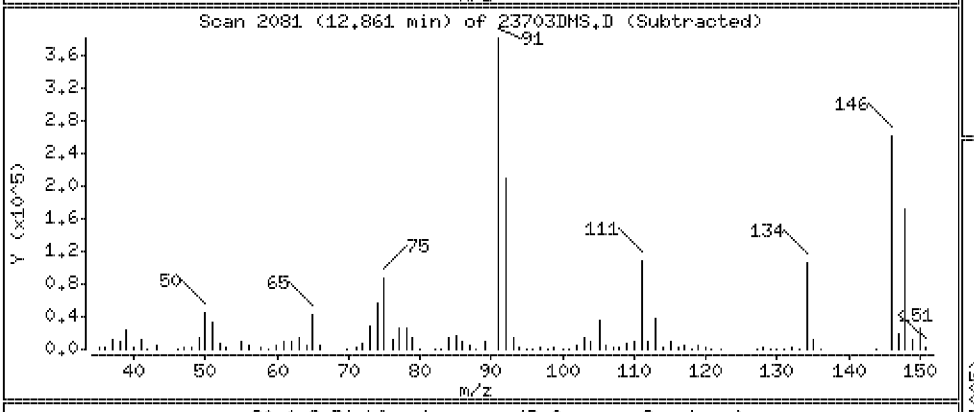
Sample Info: 350023703;3500237;5;

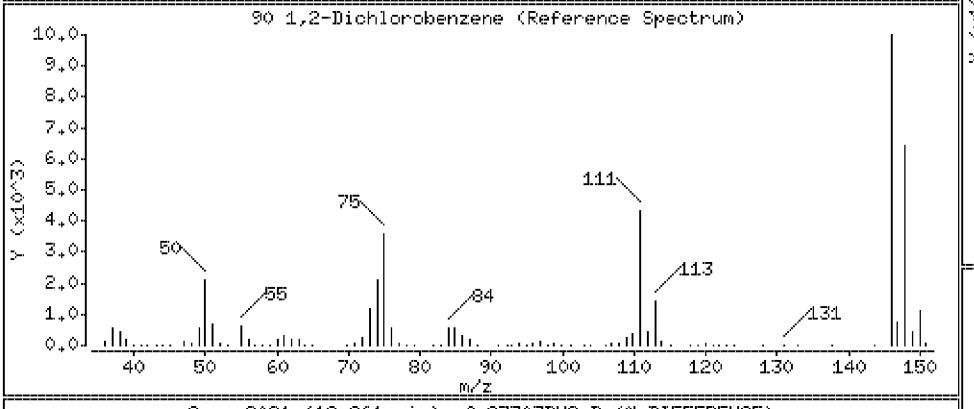
Purge Volume: 5.0 Operator:

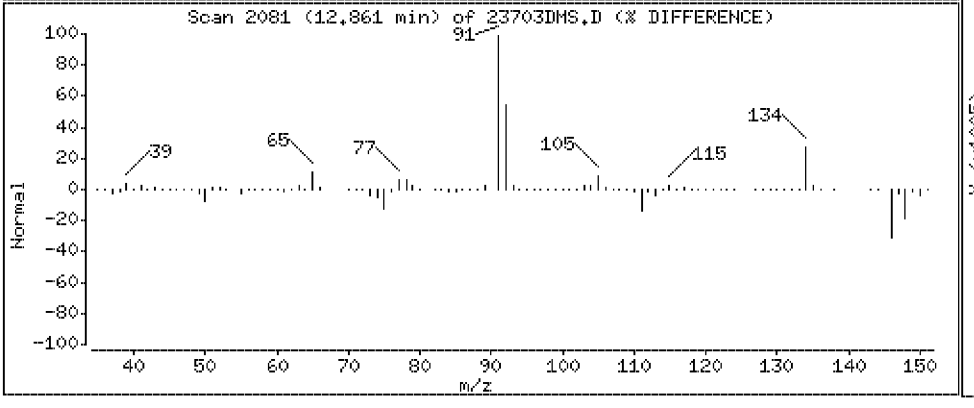
Column phase: RTX-502.2 Column diameter: 0.18

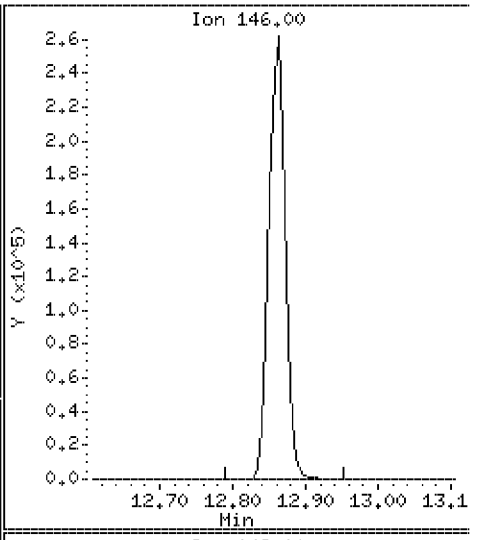
90 1,2-Dichlorobenzene Concentration: 100 ug/l

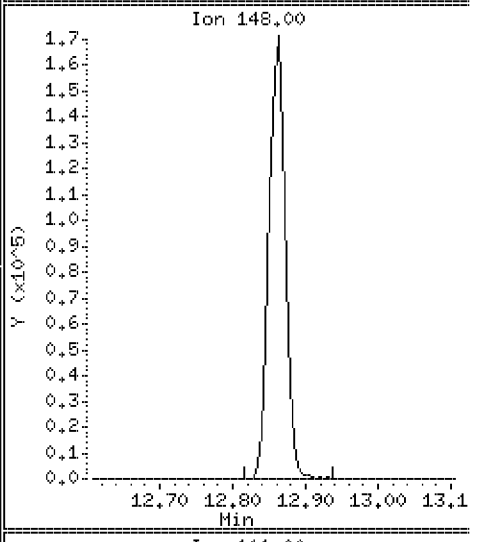


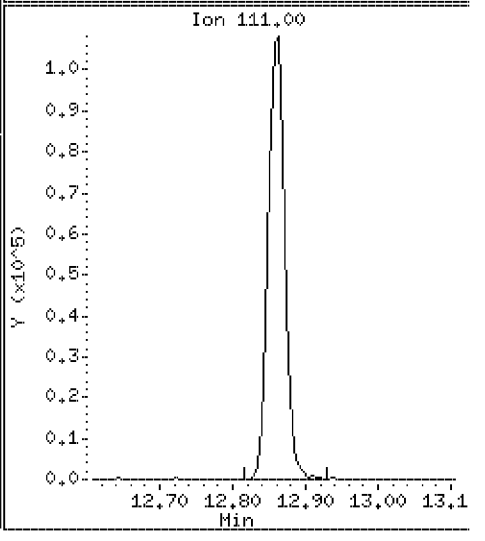












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

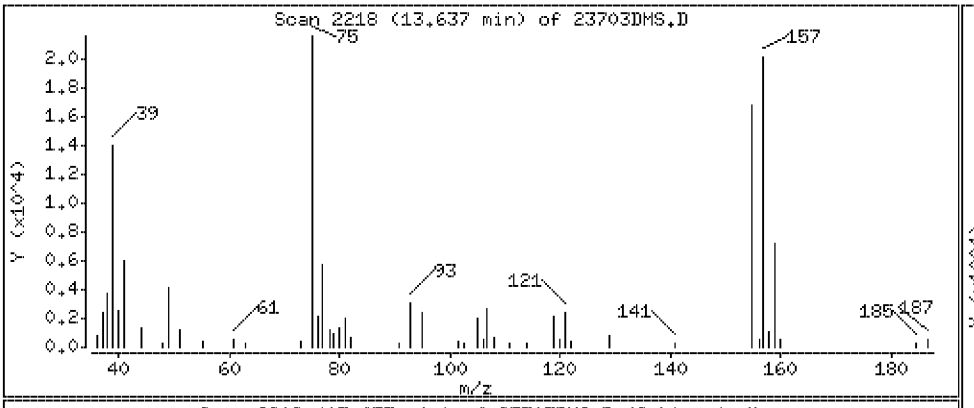
Operator:

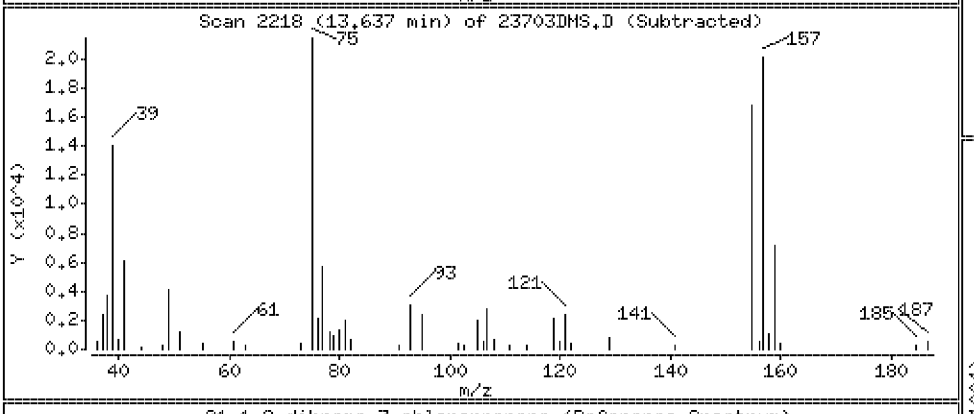
Column phase: RTX-502.2

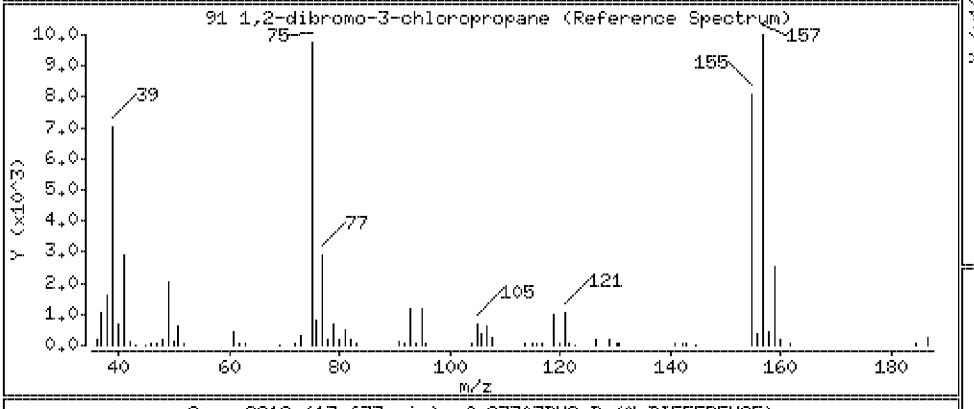
Column diameter: 0.18

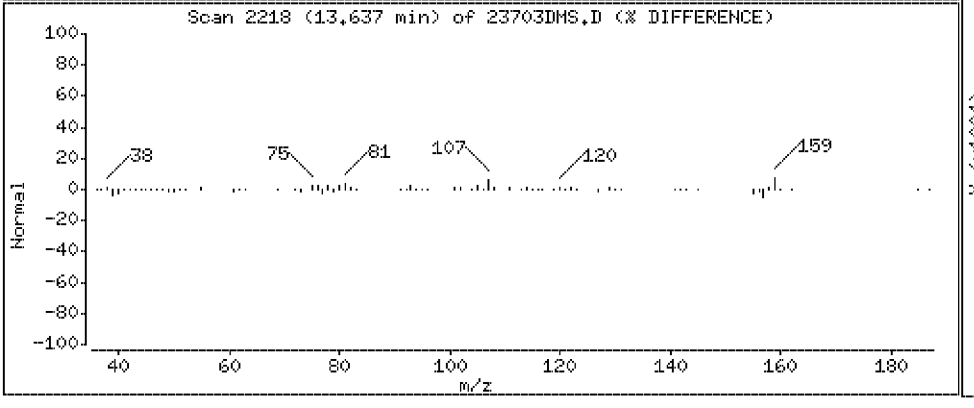
91 1,2-dibromo-3-chloropropane

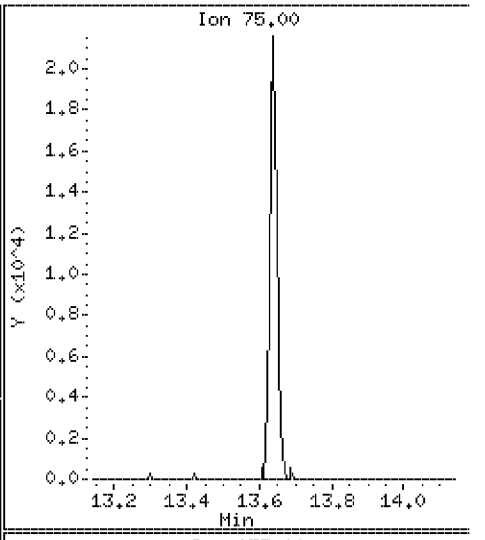
Concentration: 90.0 ug/l

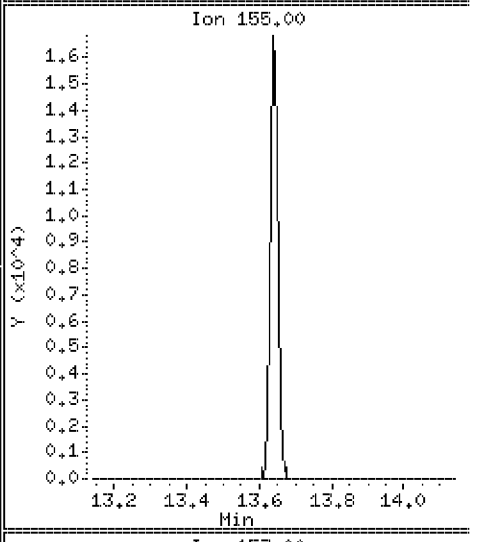


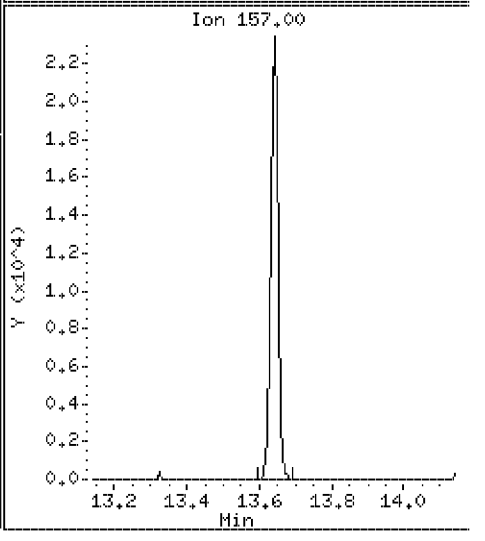












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

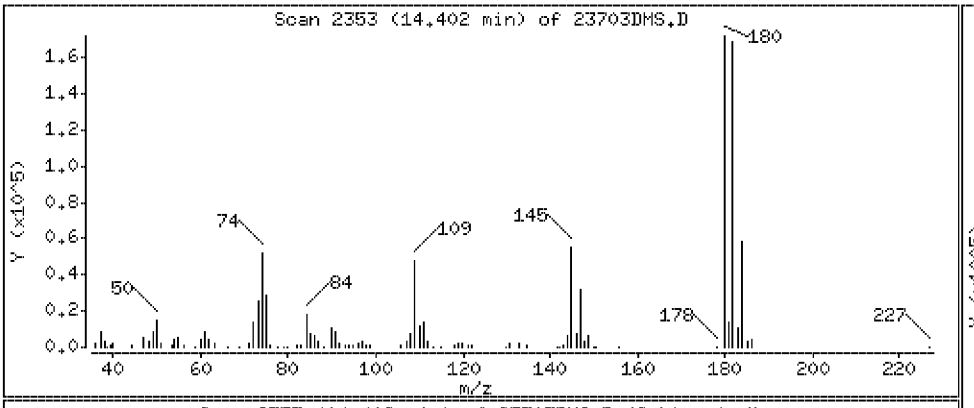
Operator:

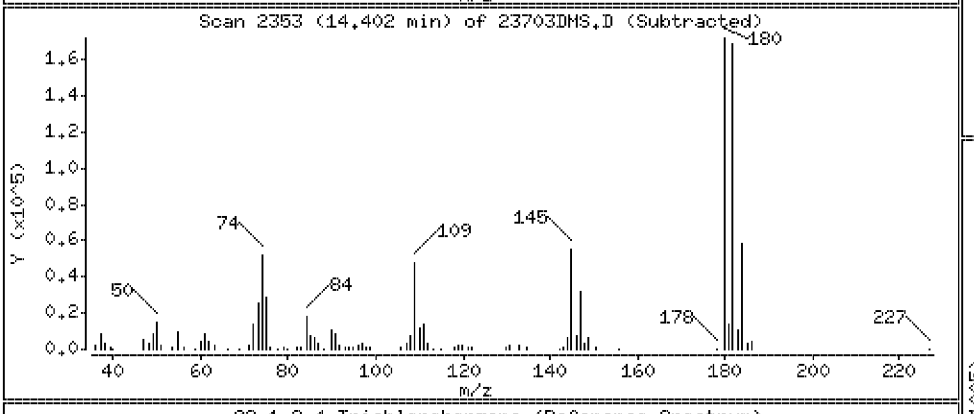
Column phase: RTX-502.2

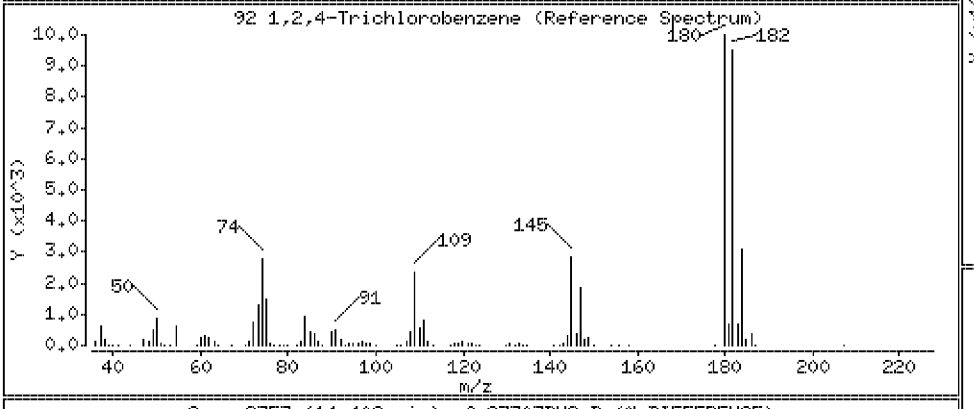
Column diameter: 0.18

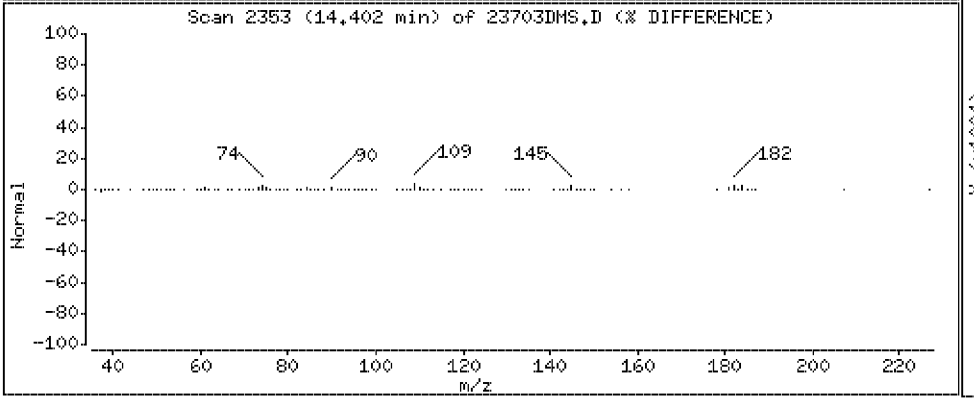
92 1,2,4-Trichlorobenzene

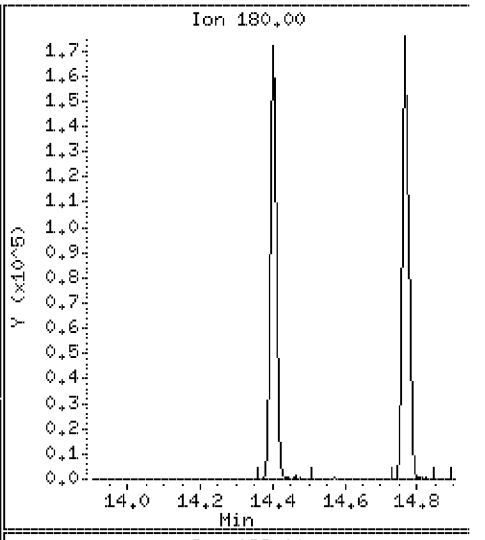
Concentration: 97.3 ug/l

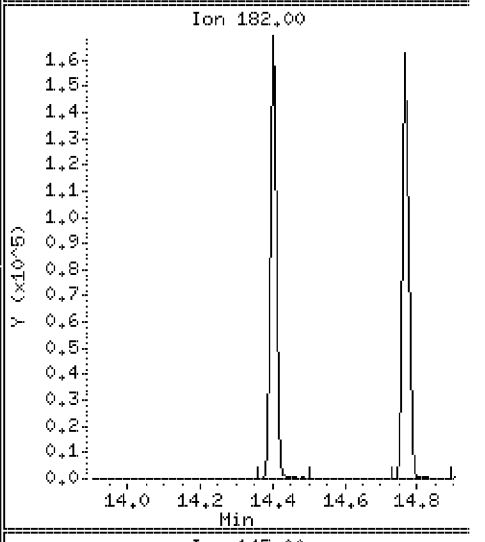


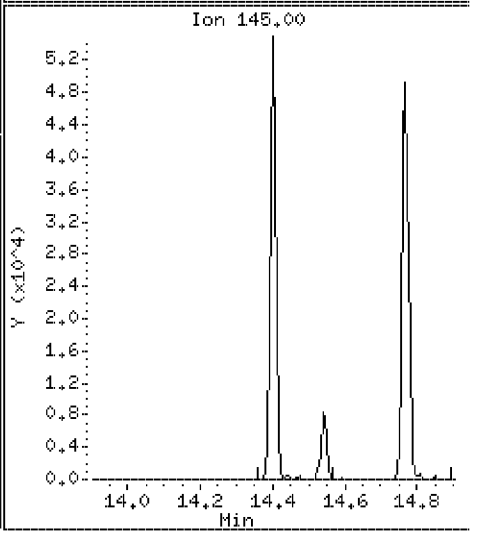












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

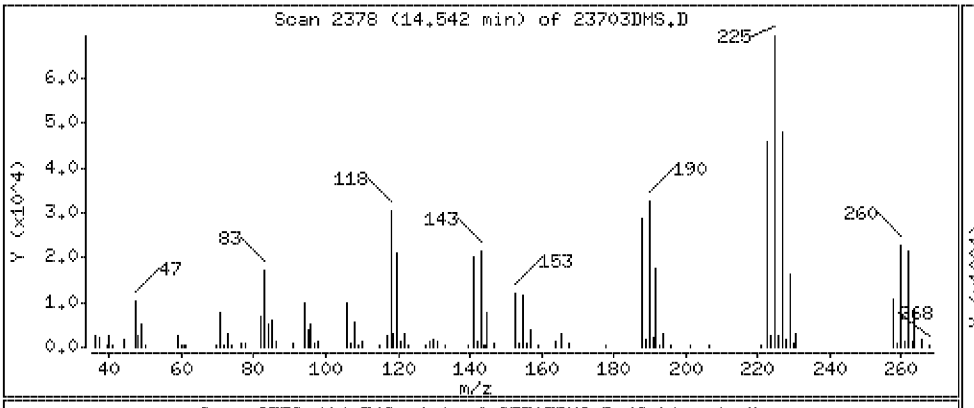
Operator:

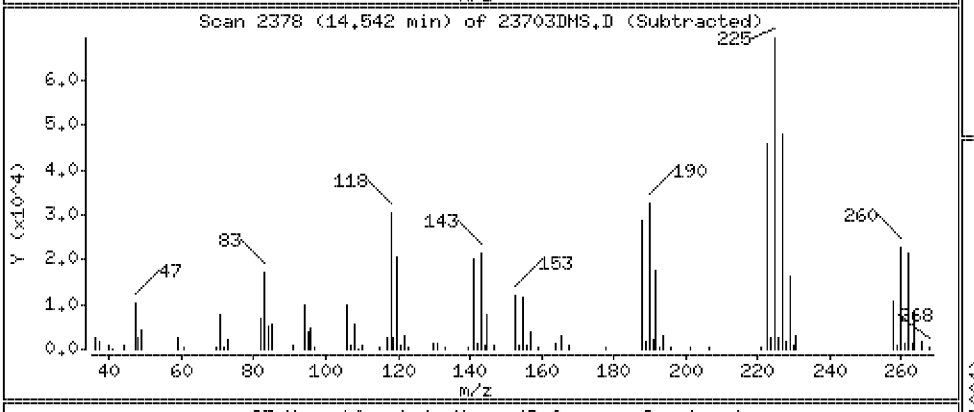
Column phase: RTX-502.2

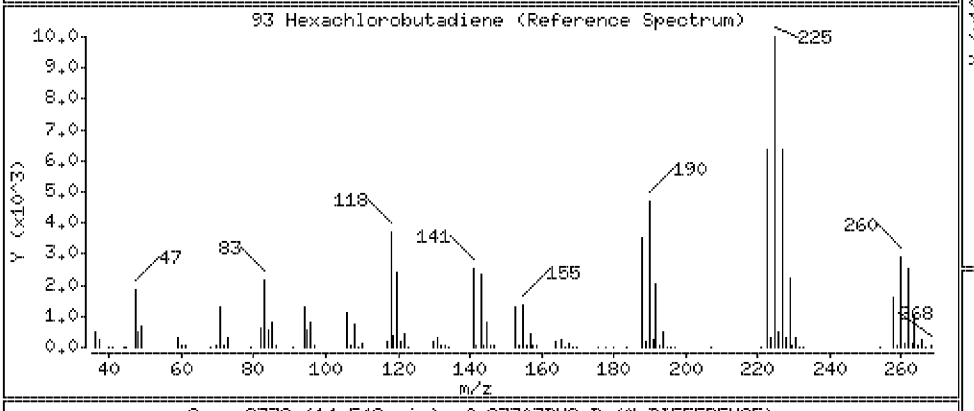
Column diameter: 0.18

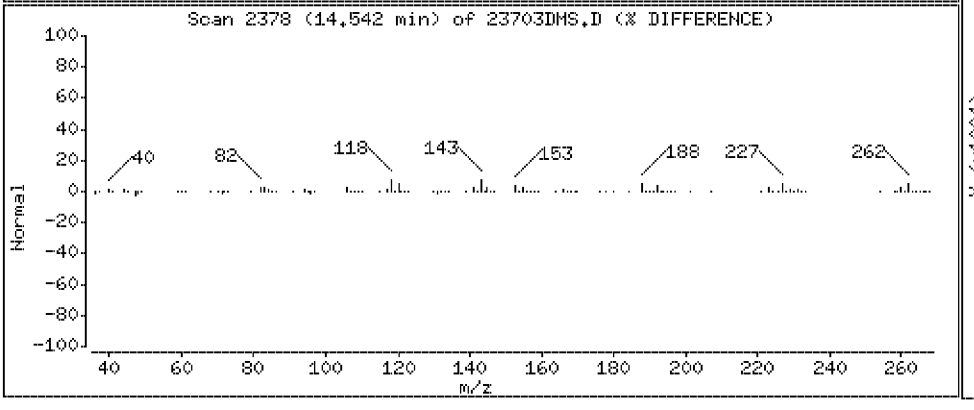
93 Hexachlorobutadiene

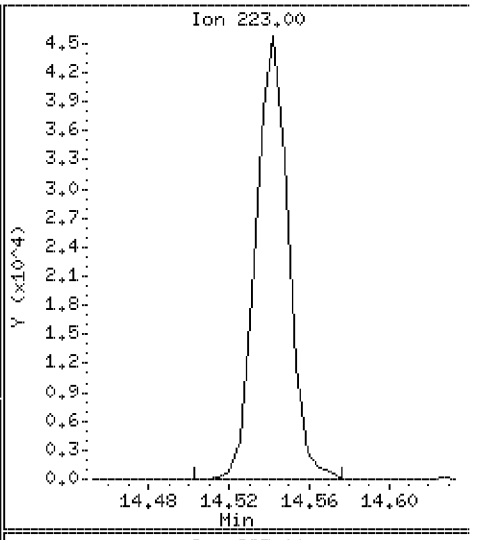
Concentration: 100 ug/l

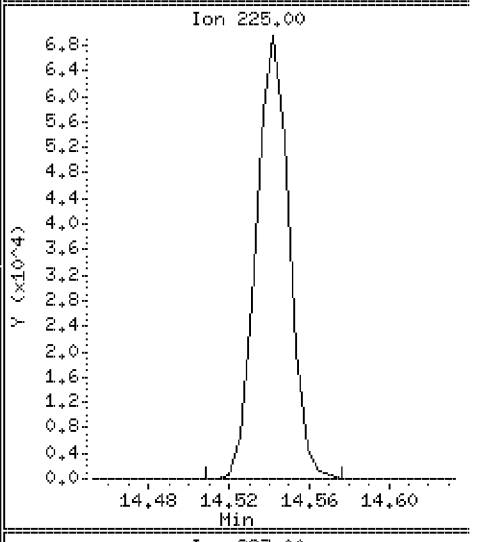


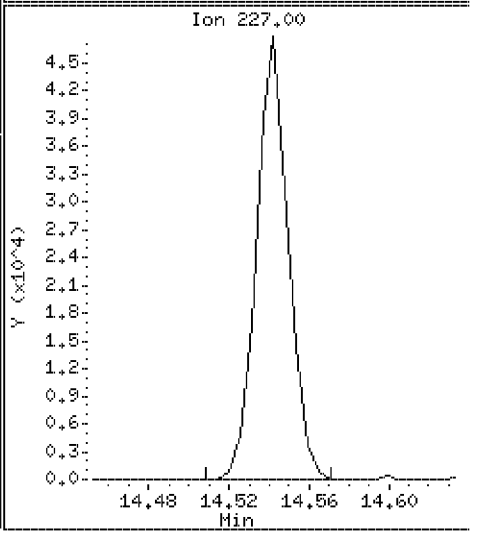












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

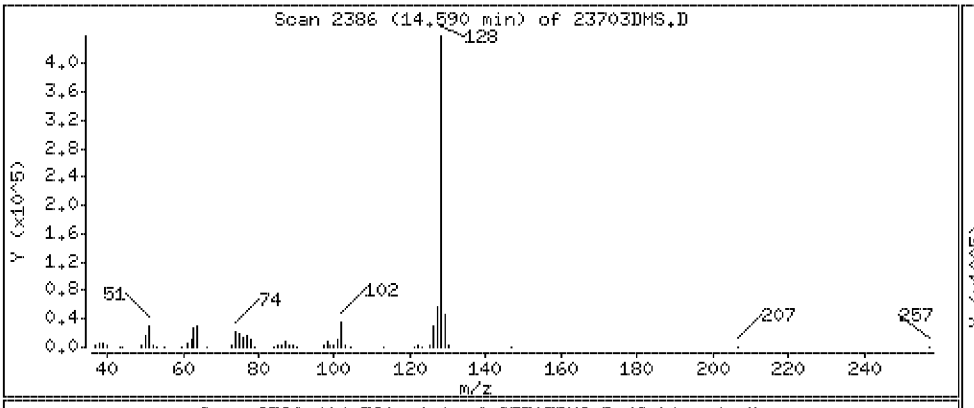
Operator:

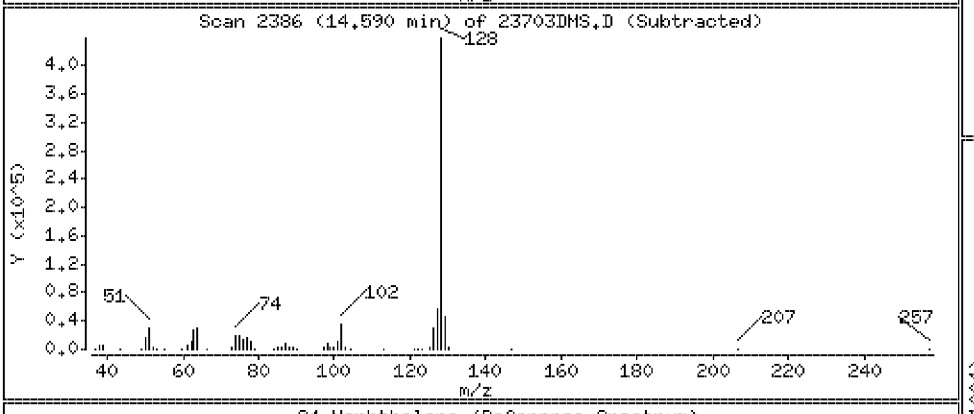
Column phase: RTX-502.2

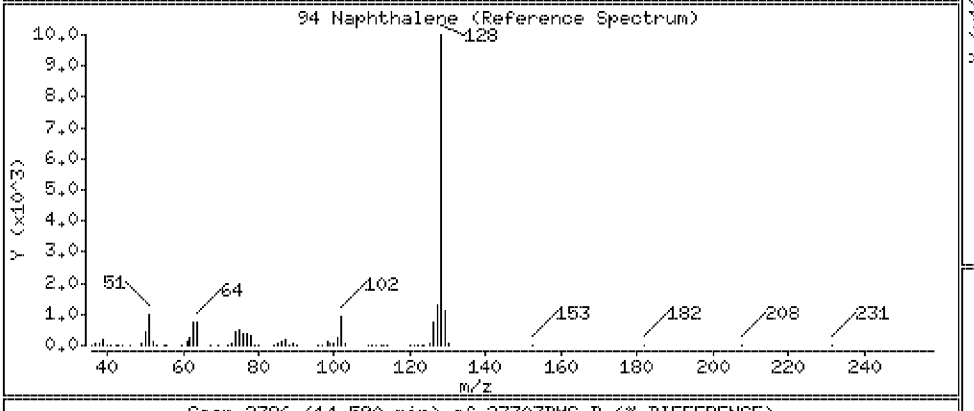
Column diameter: 0.18

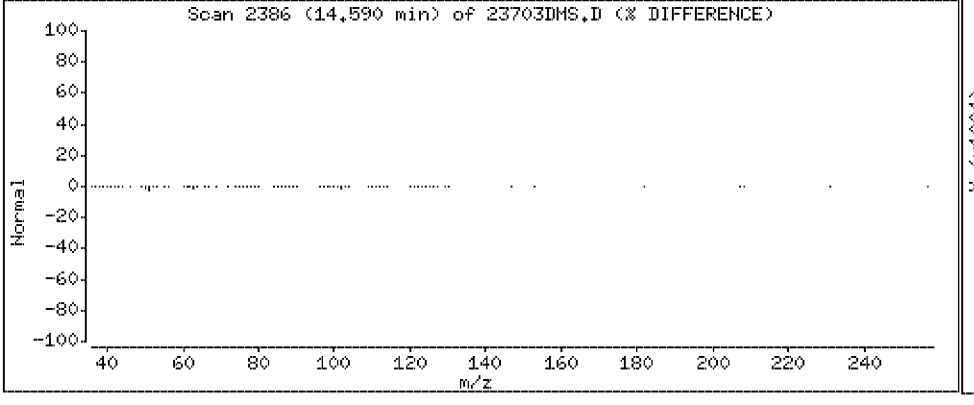
94 Naphthalene

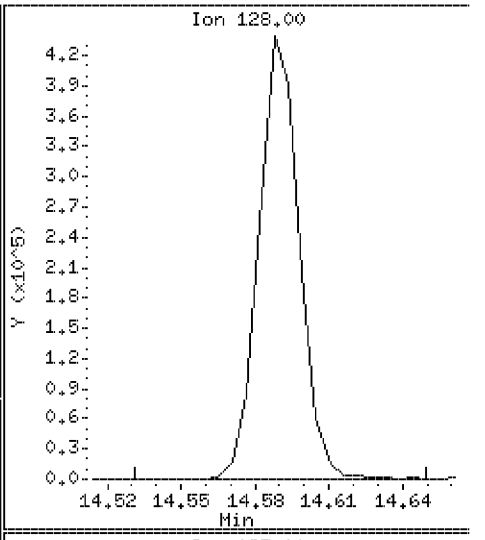
Concentration: 88.2 ug/l

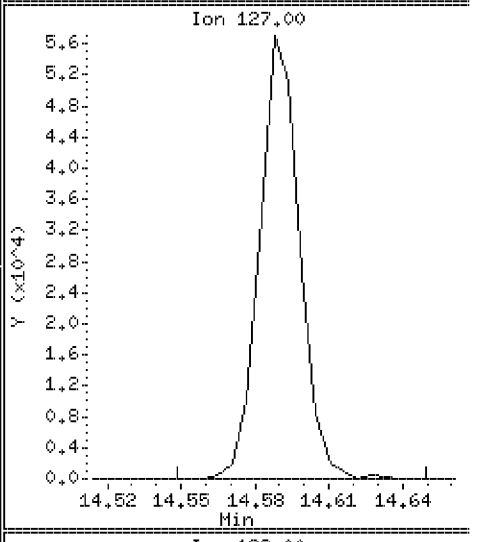


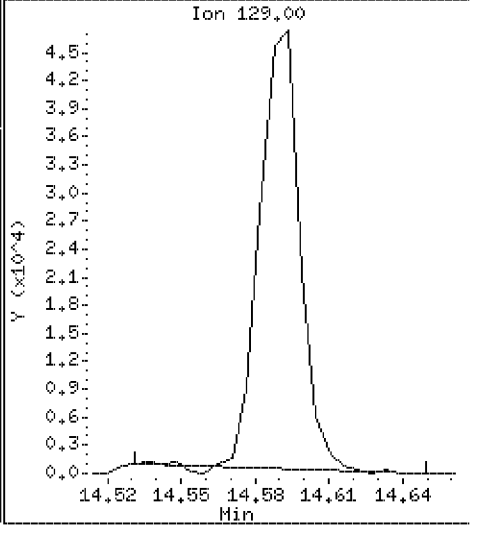












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

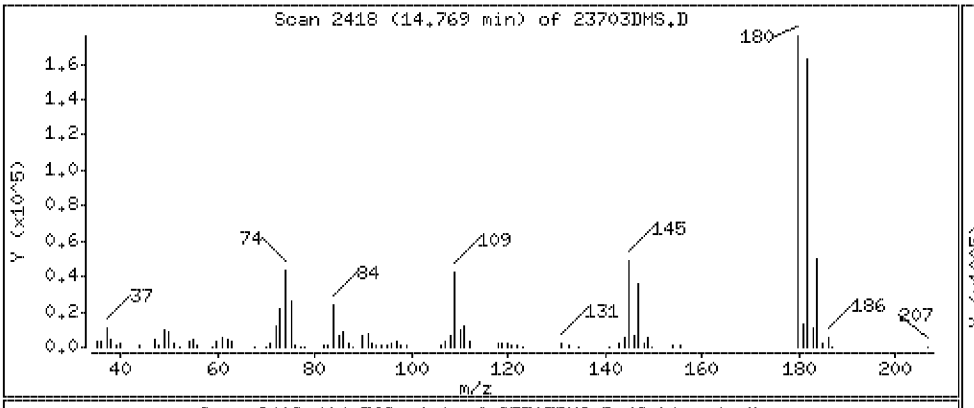
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

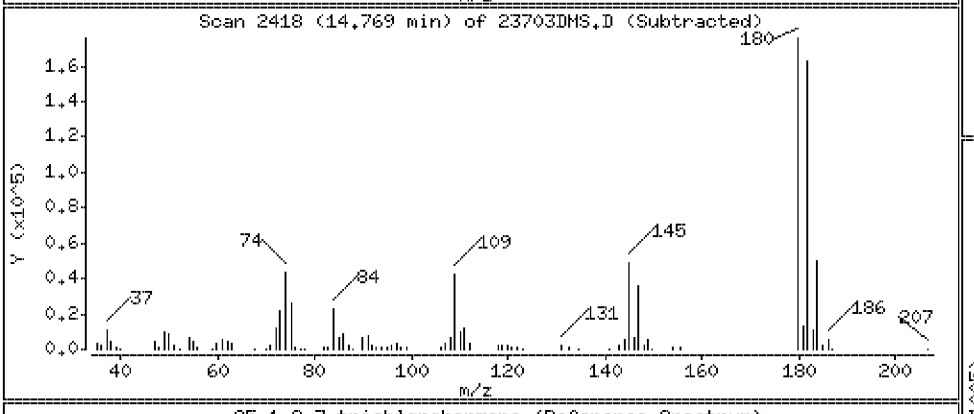
Sample Info: 350023703;3500237;5;

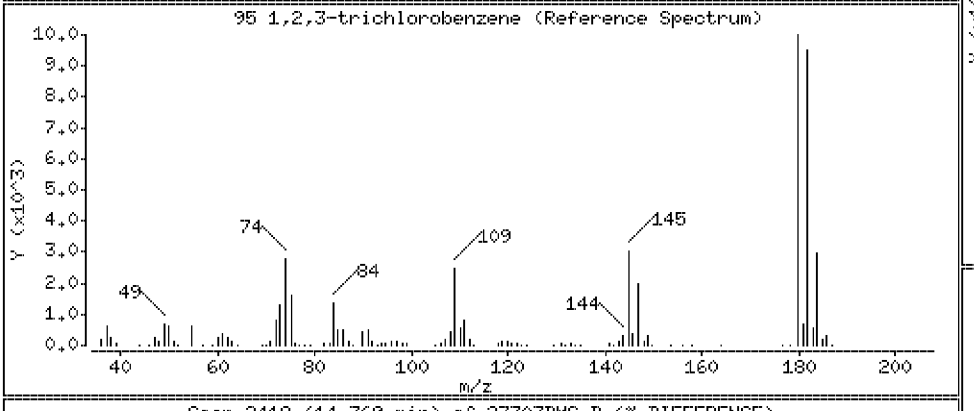
Purge Volume: 5.0 Operator:

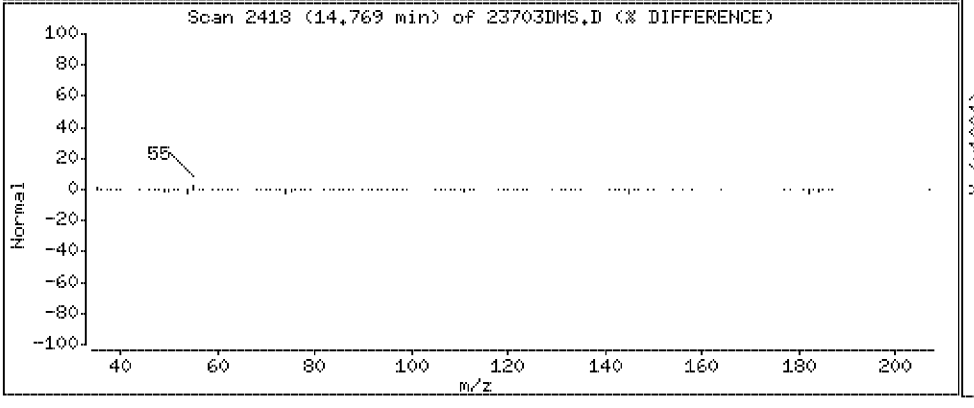
Column phase: RTX-502.2 Column diameter: 0.18

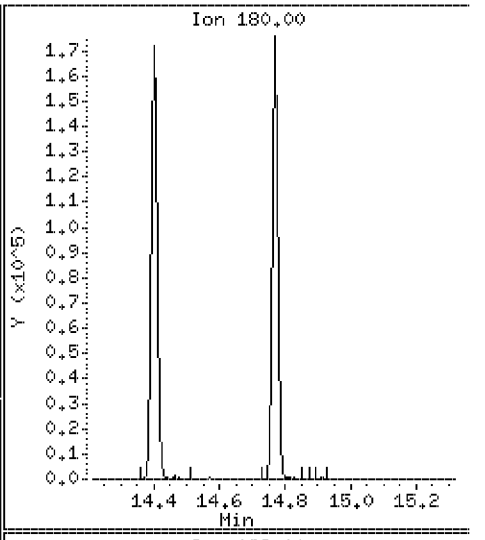
95 1,2,3-trichlorobenzene Concentration: 94.0 ug/l

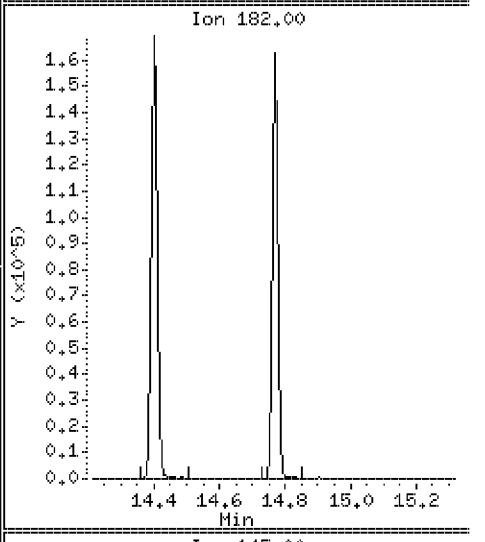


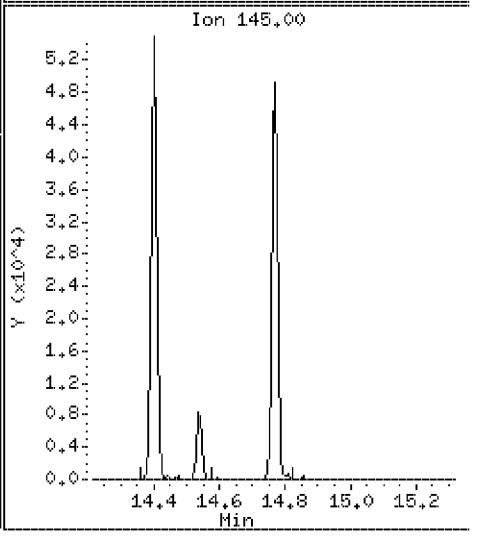












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Date : 27-JUL-2010 15:17

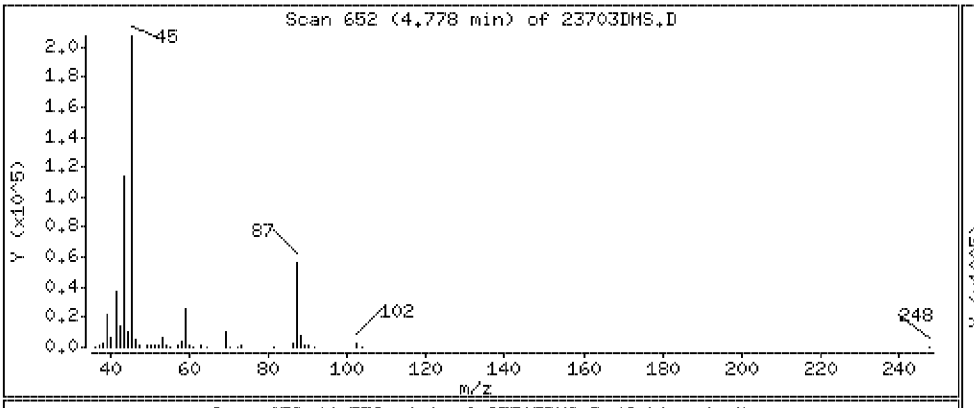
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

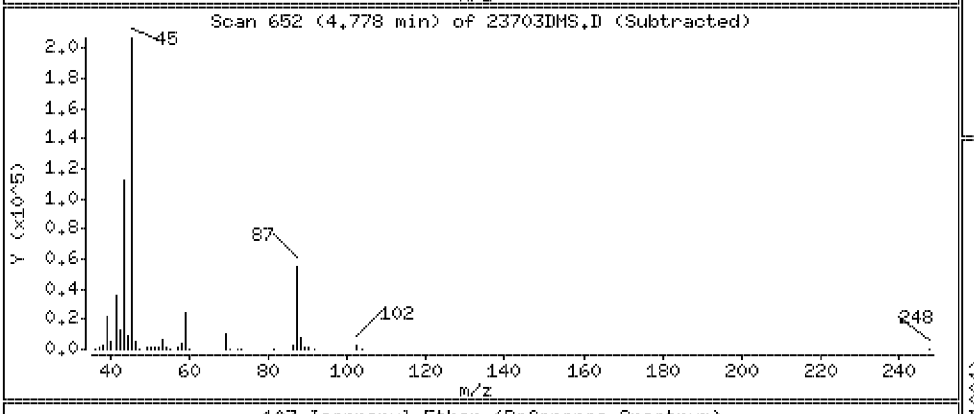
Sample Info: 350023703;3500237;5;

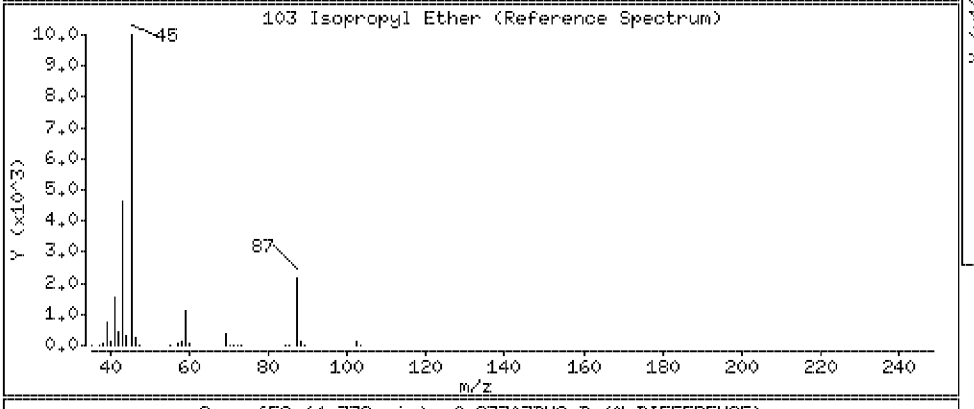
Purge Volume: 5.0 Operator:

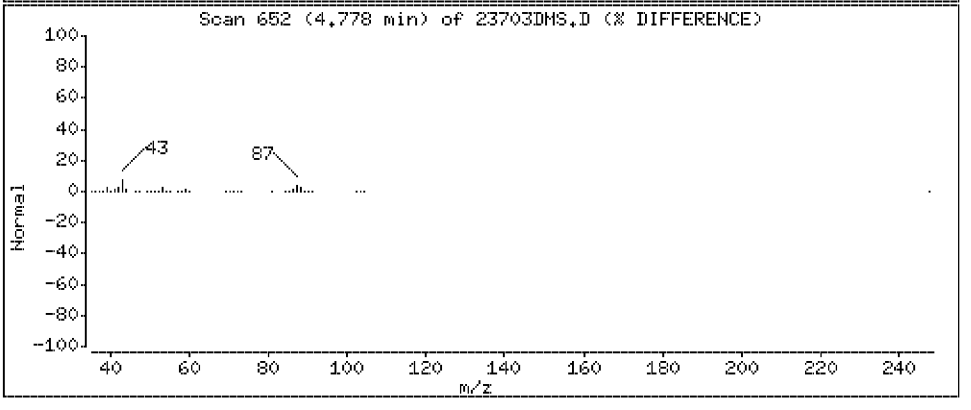
Column phase: RTX-502.2 Column diameter: 0.18

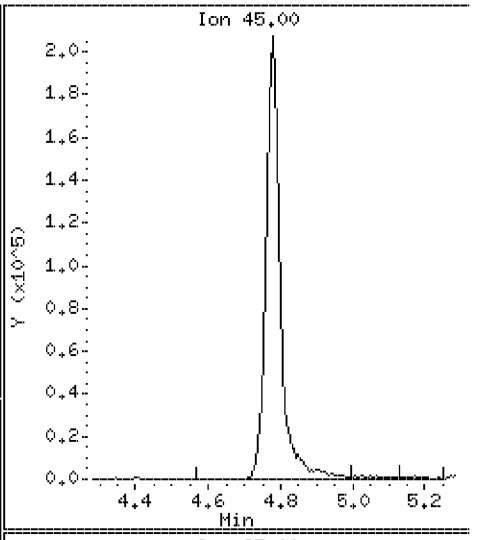
103 Isopropyl Ether Concentration: 103 ug/l

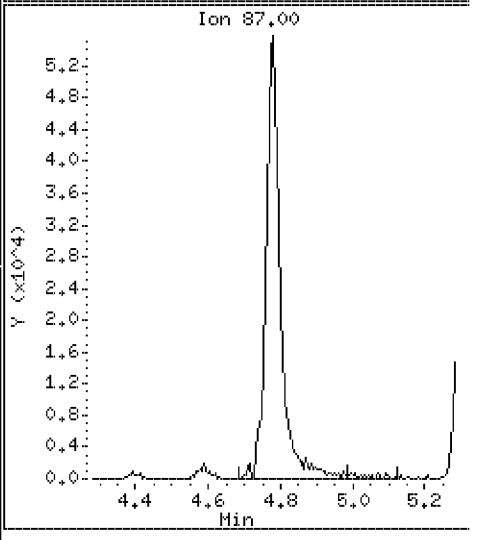












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Date : 27-JUL-2010 15:17

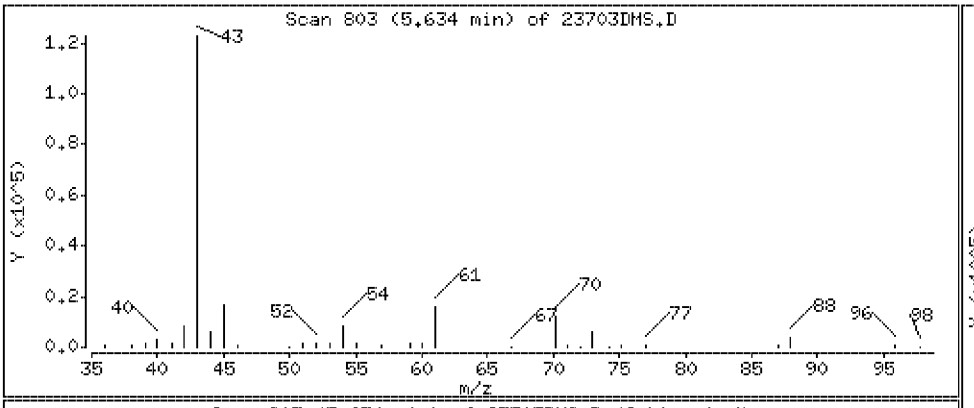
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

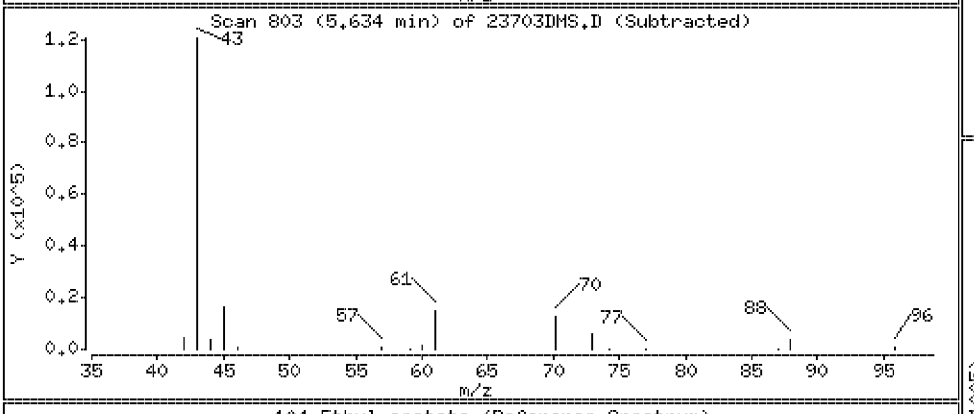
Sample Info: 350023703;3500237;5;

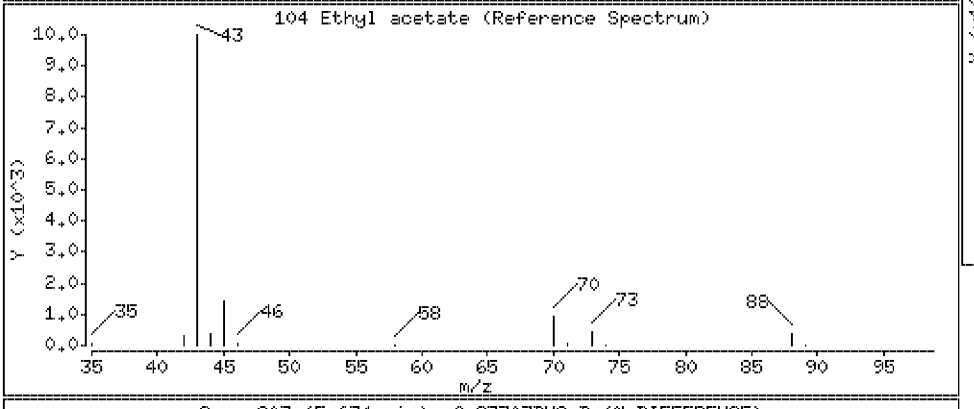
Purge Volume: 5.0 Operator:

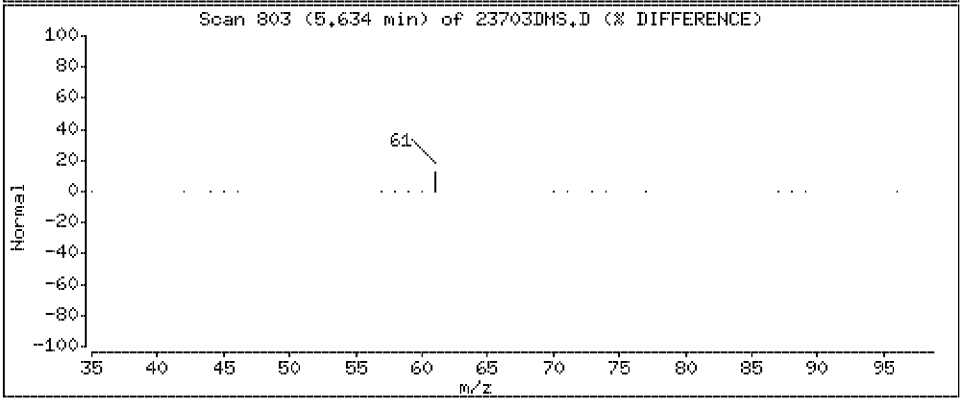
Column phase: RTX-502.2 Column diameter: 0.18

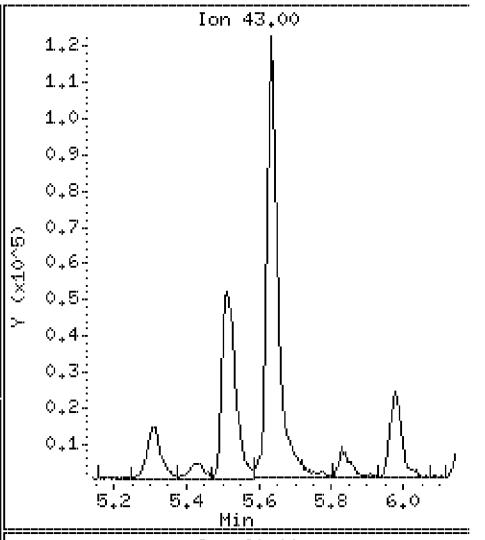
104 Ethyl acetate Concentration: 200 ug/l

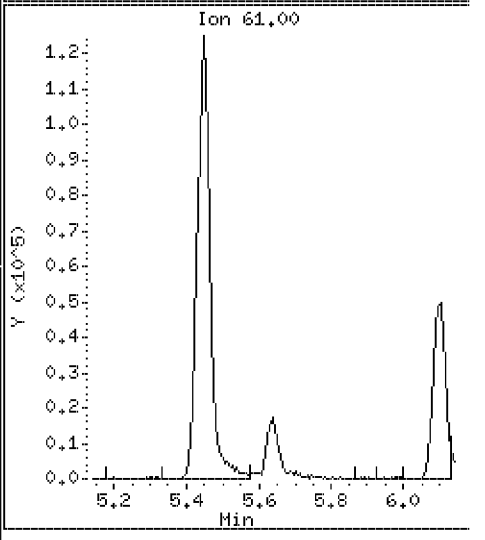












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Date : 27-JUL-2010 15:17

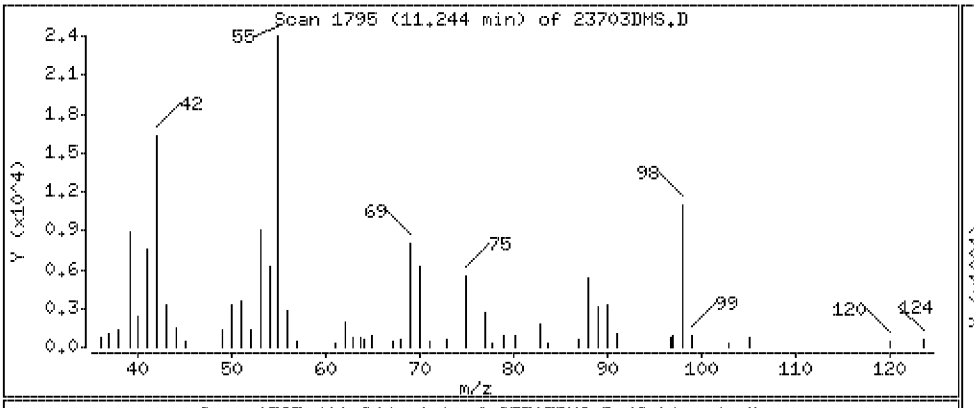
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

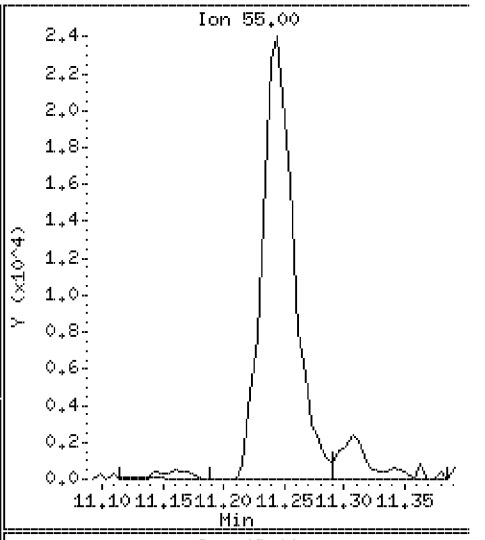
Sample Info: 350023703;3500237;5;

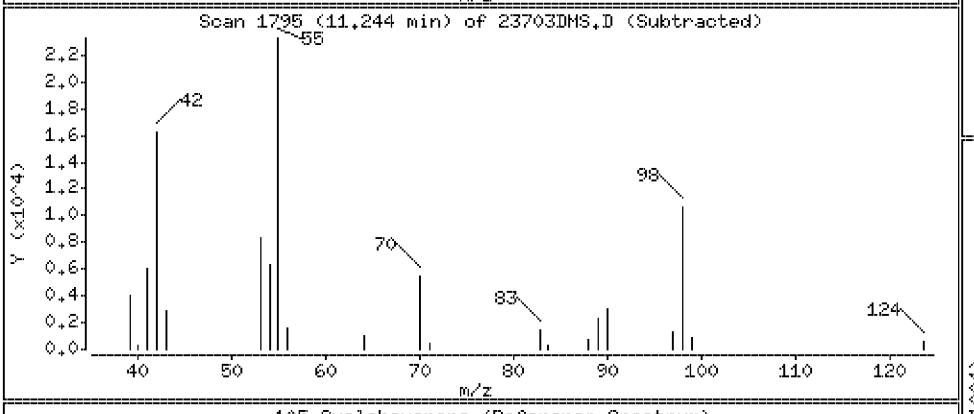
Purge Volume: 5.0 Operator:

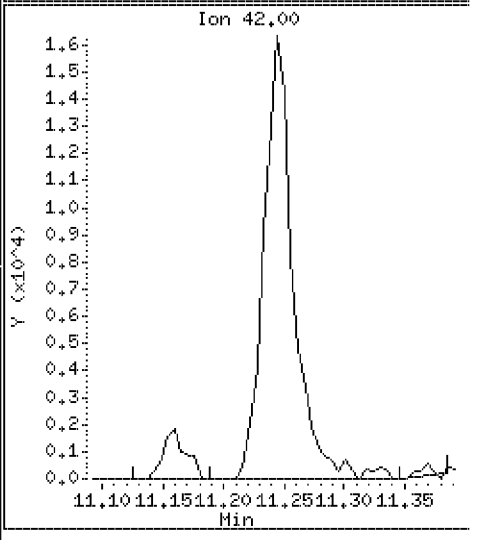
Column phase: RTX-502.2 Column diameter: 0.18

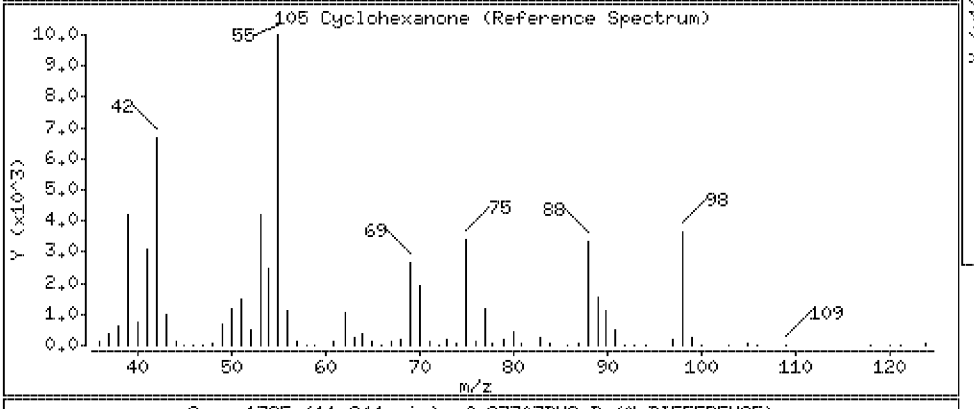
105 Cyclohexanone Concentration: 660 ug/l

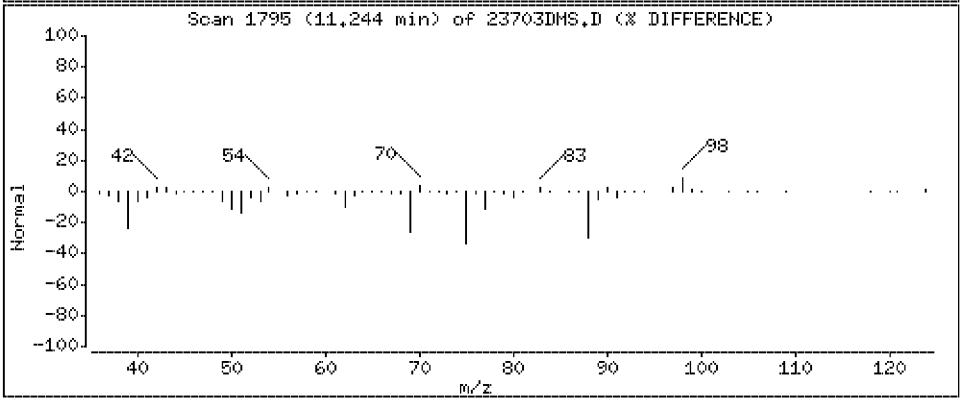












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

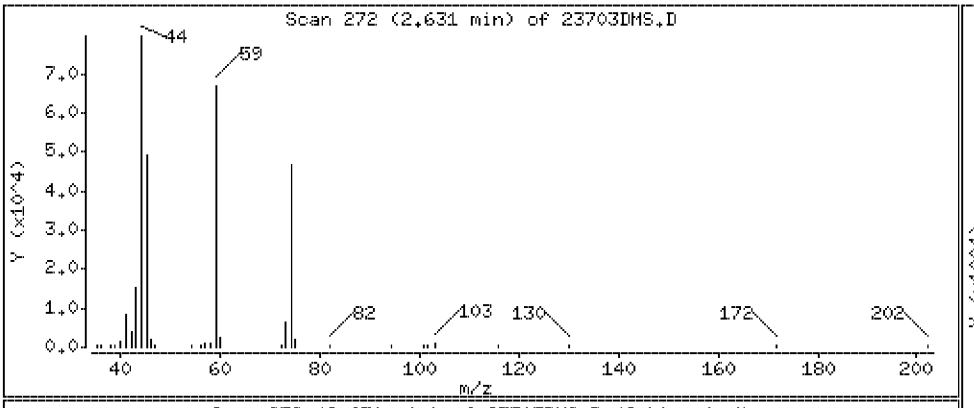
Operator:

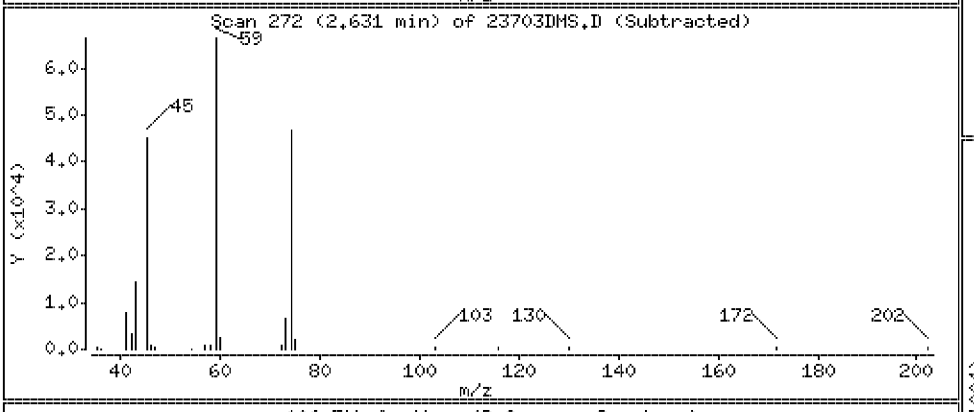
Column phase: RTX-502.2

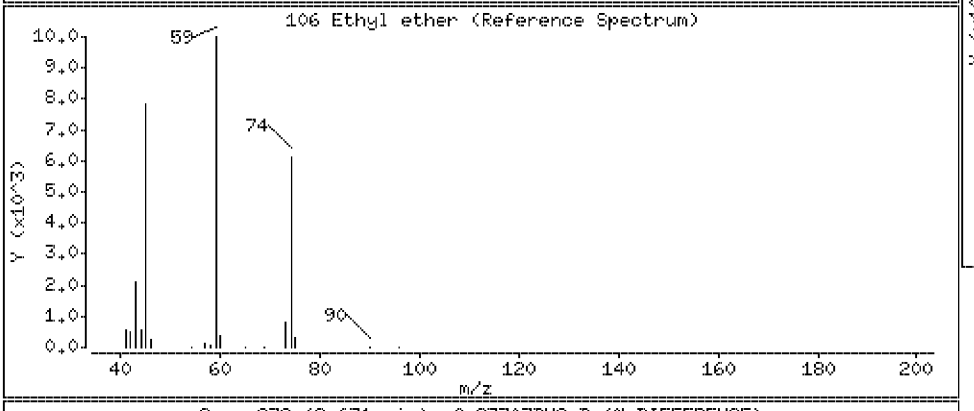
Column diameter: 0.18

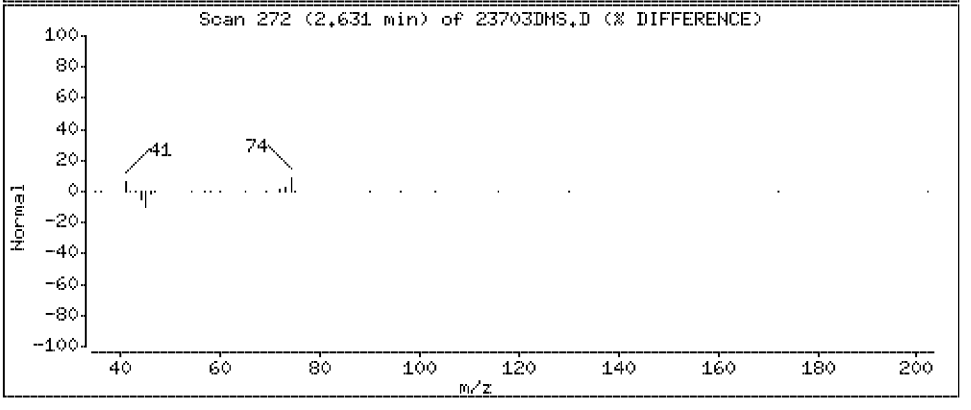
106 Ethyl ether

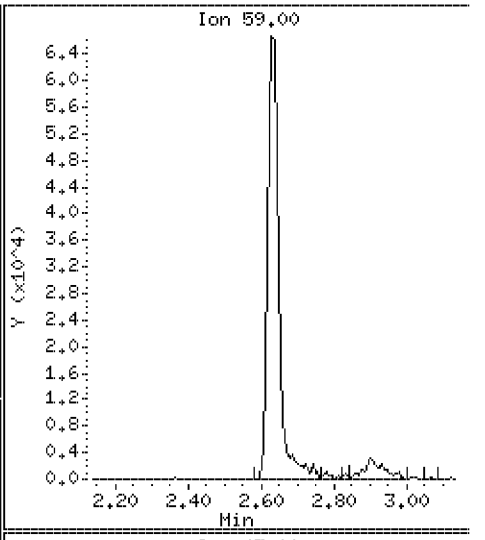
Concentration: 93.0 ug/l

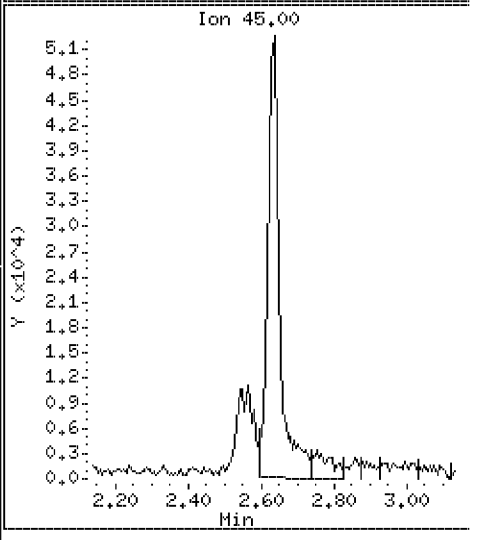












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

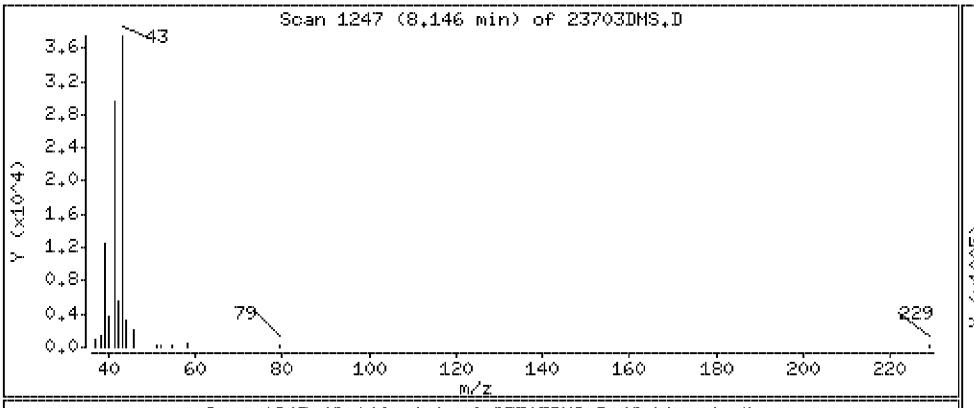
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

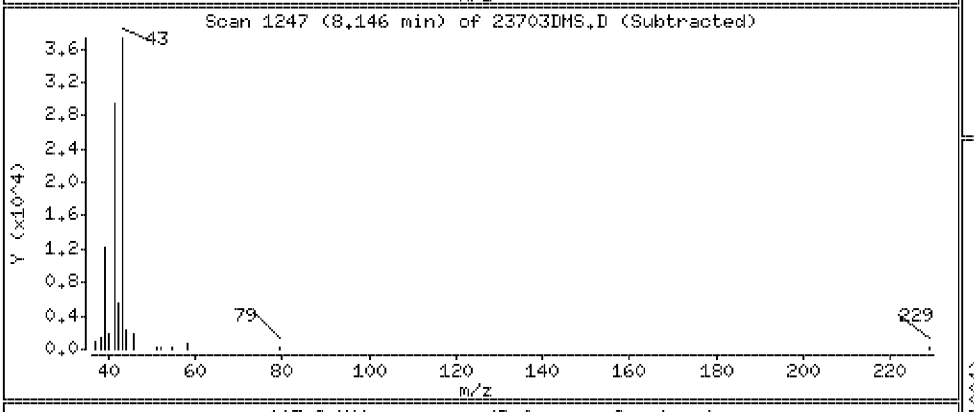
Sample Info: 350023703;3500237;5;

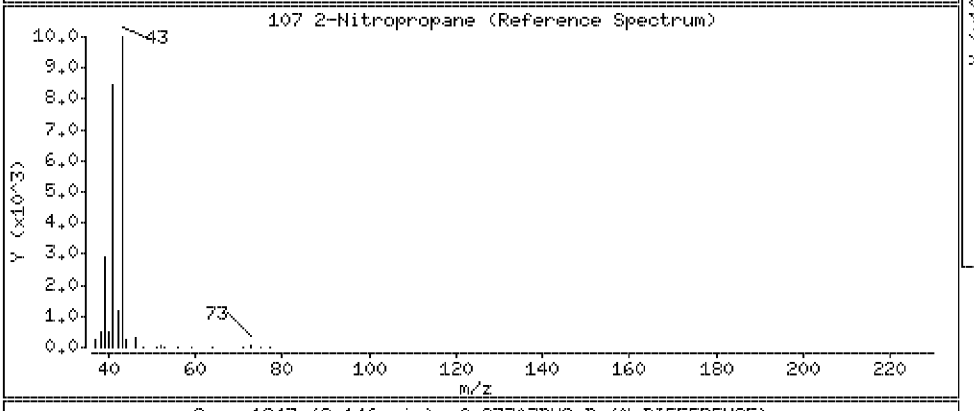
Purge Volume: 5.0 Operator:

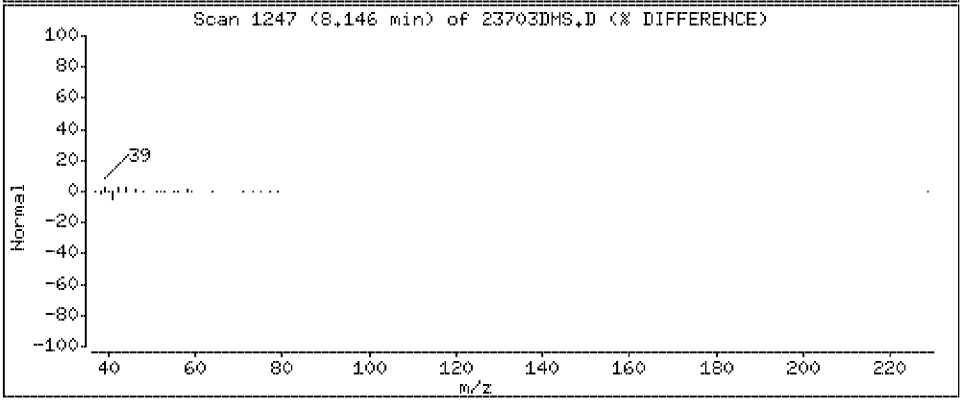
Column phase: RTX-502.2 Column diameter: 0.18

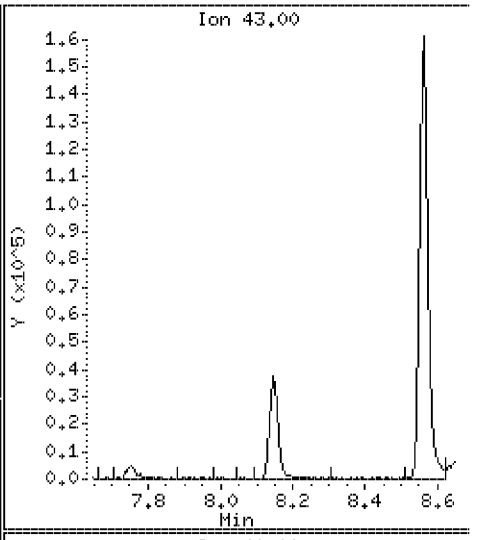
107 2-Nitropropane Concentration: 180 ug/l

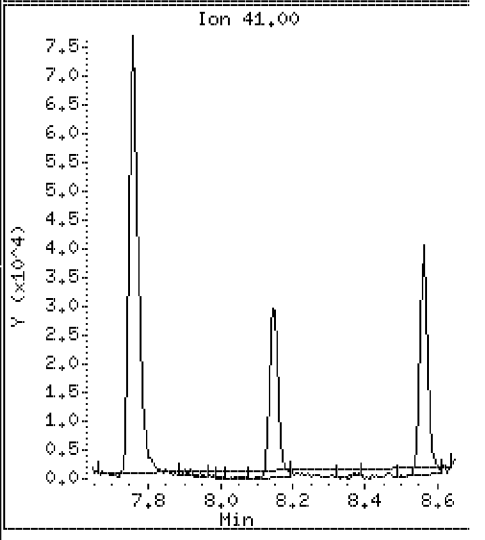












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

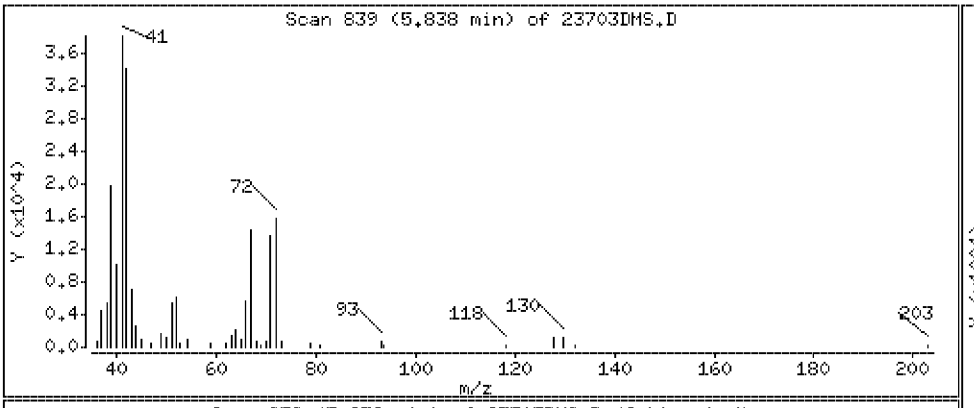
Operator:

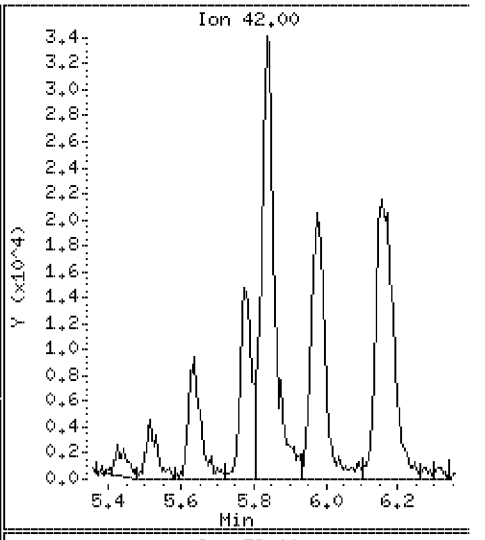
Column phase: RTX-502.2

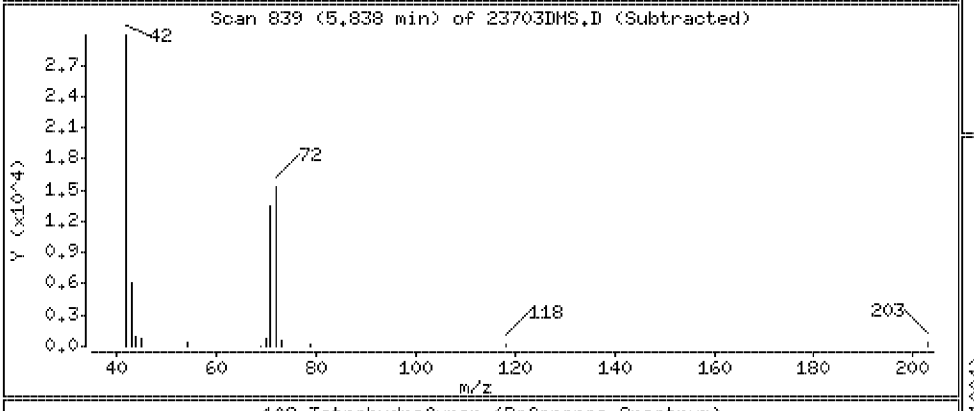
Column diameter: 0.18

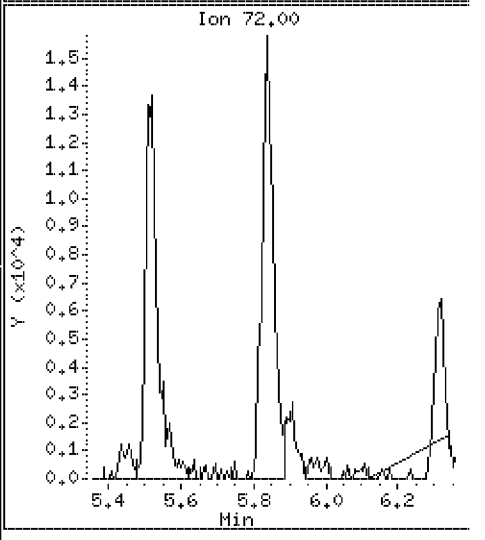
108 Tetrahydrofuran

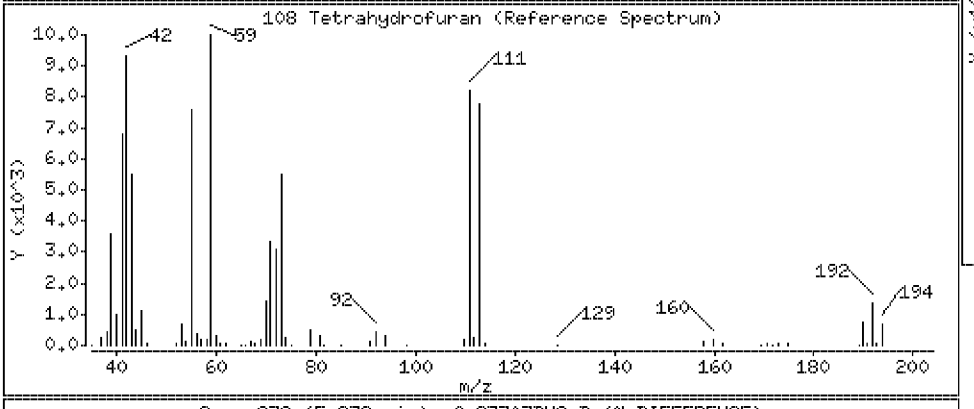
Concentration: 214 ug/l

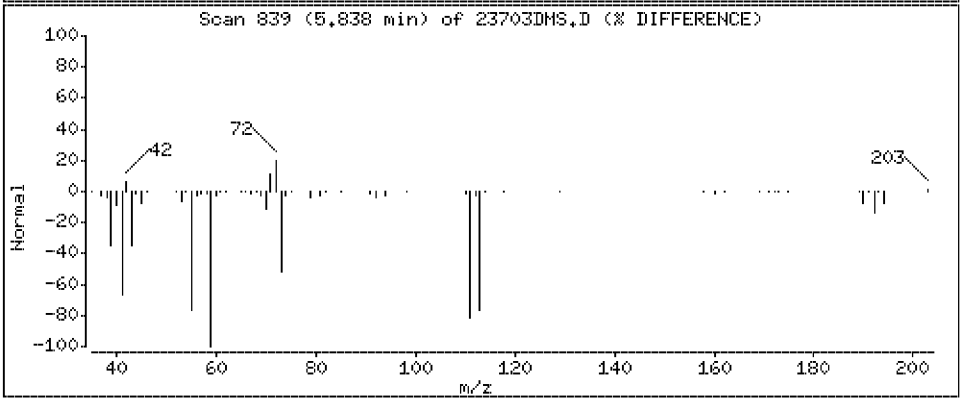












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

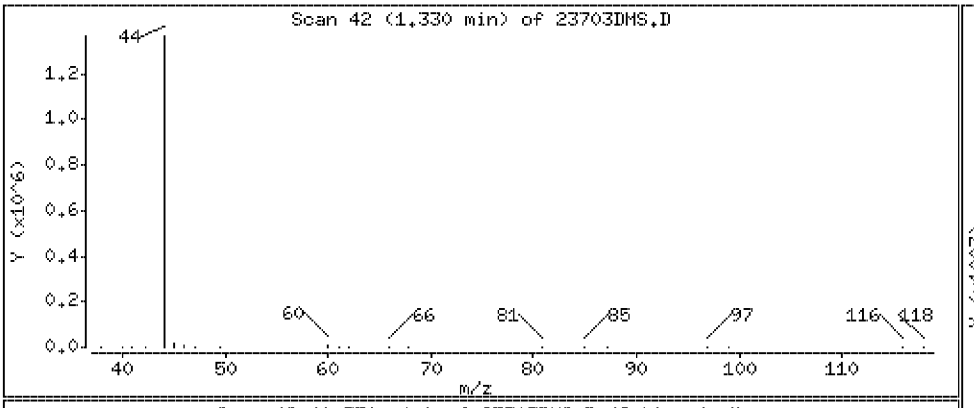
Operator:

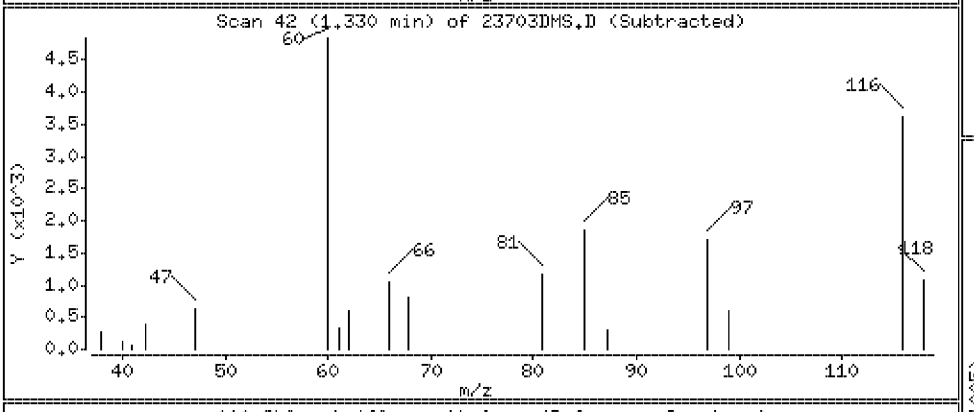
Column phase: RTX-502.2

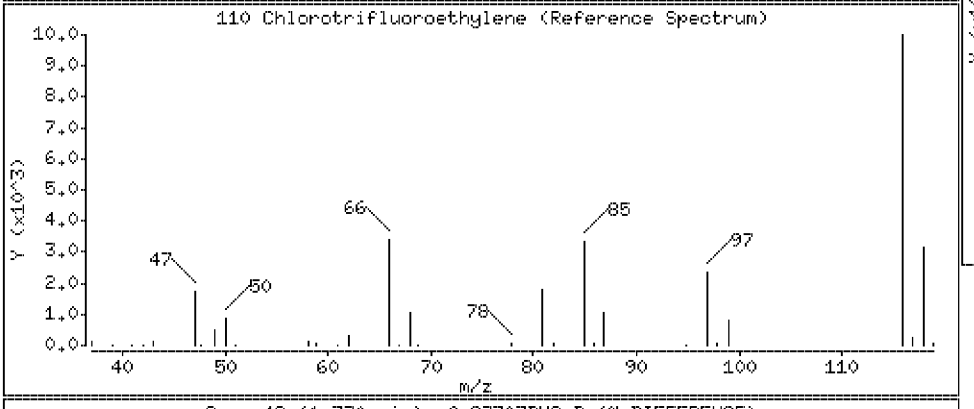
Column diameter: 0.18

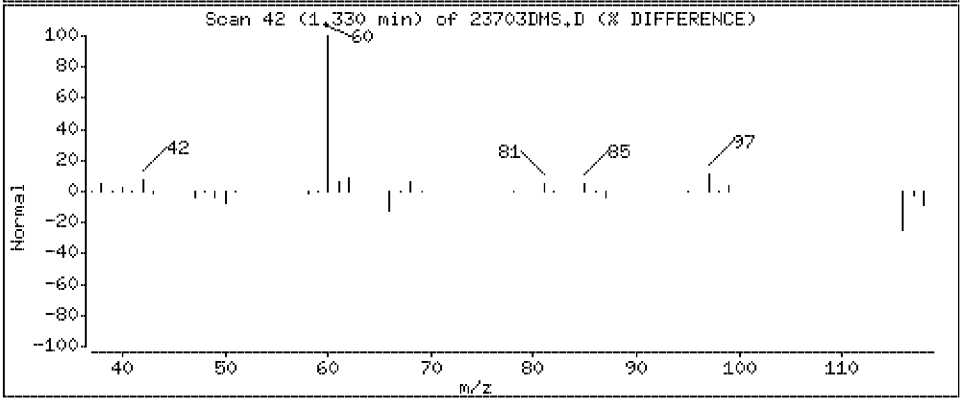
110 Chlorotrifluoroethylene

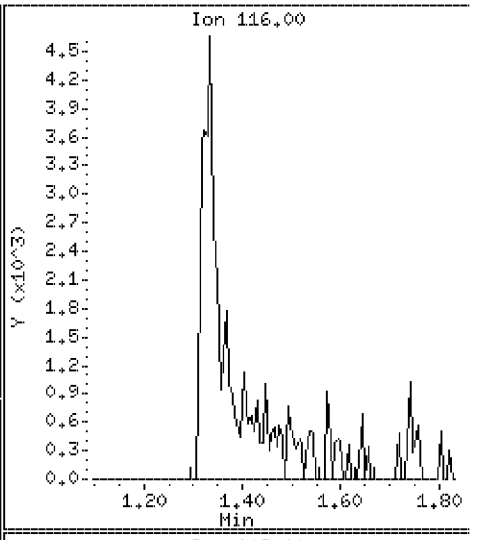
Concentration: 55.1 ug/l

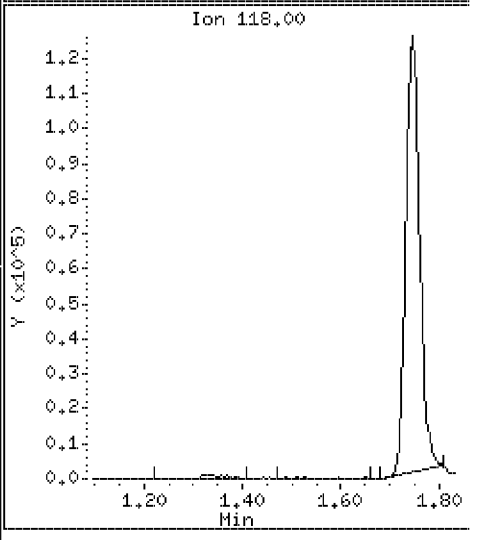












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

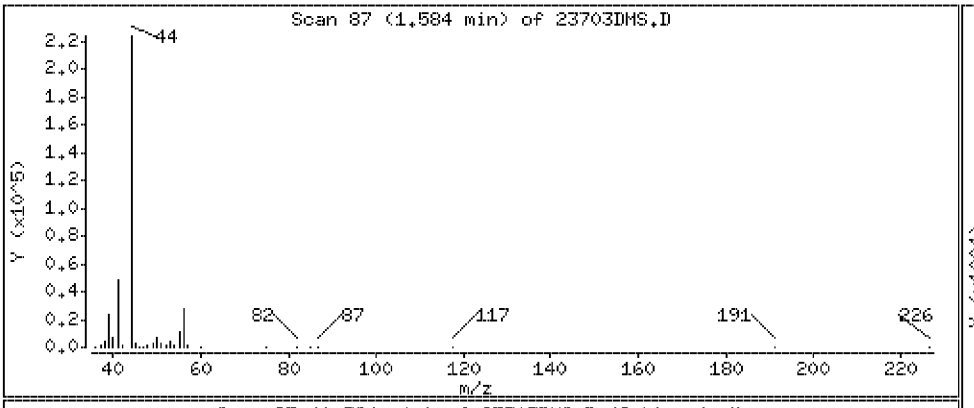
Operator:

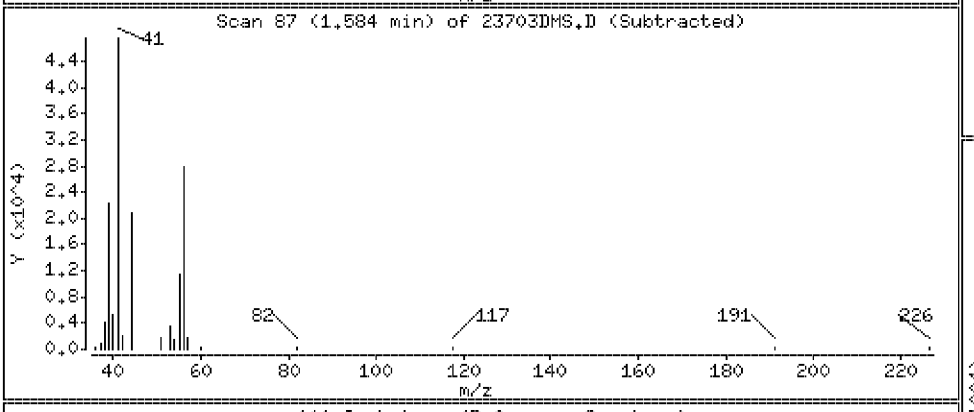
Column phase: RTX-502.2

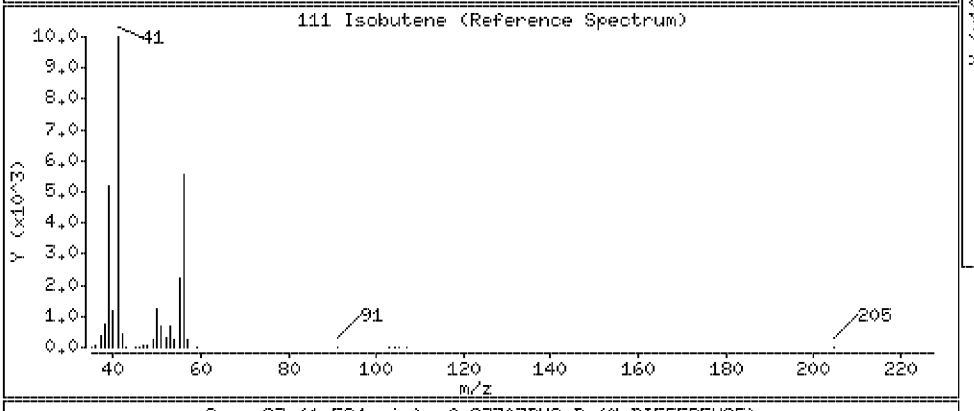
Column diameter: 0.18

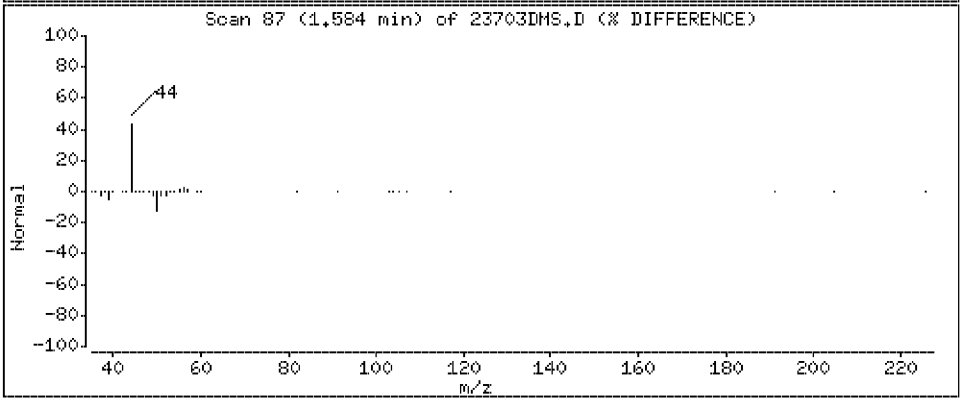
111 Isobutene

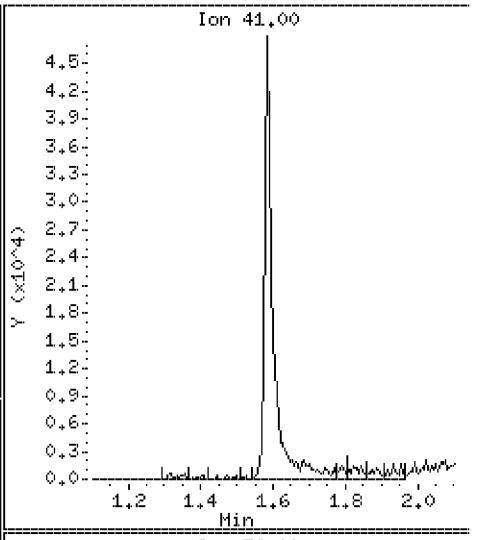
Concentration: 1240 ug/l

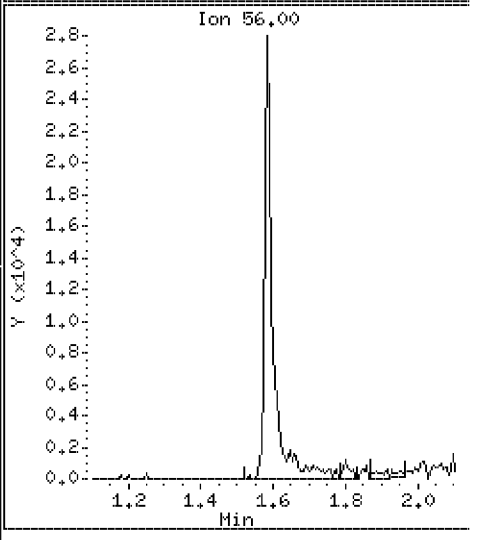












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

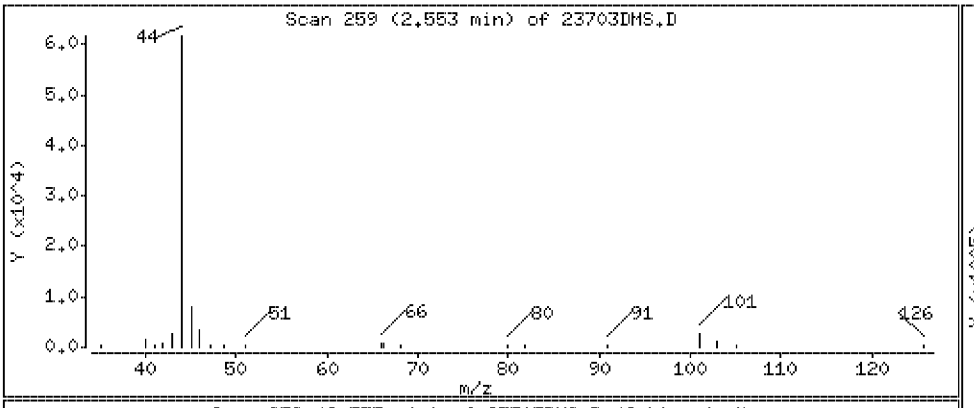
Operator:

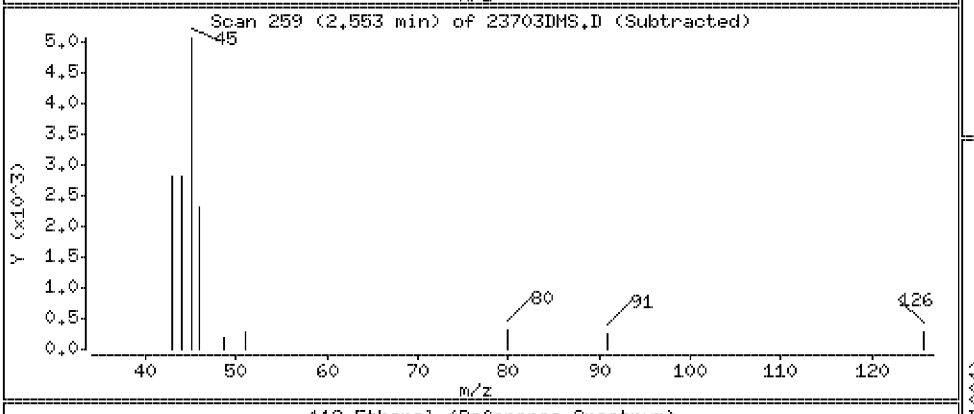
Column phase: RTX-502.2

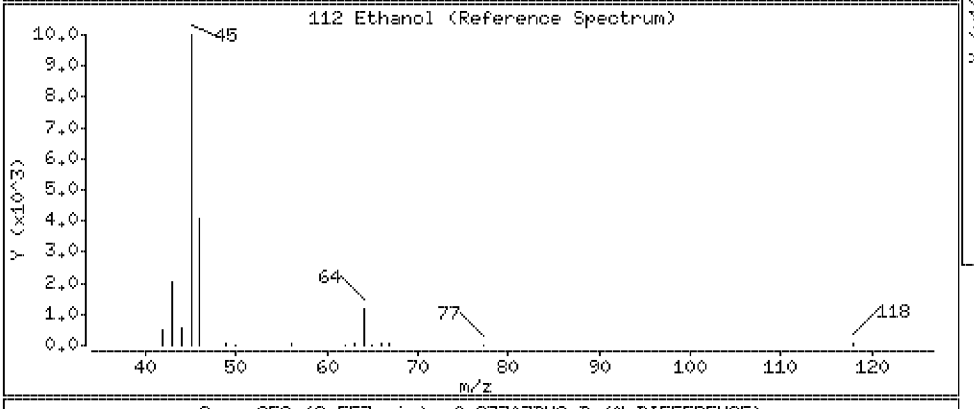
Column diameter: 0.18

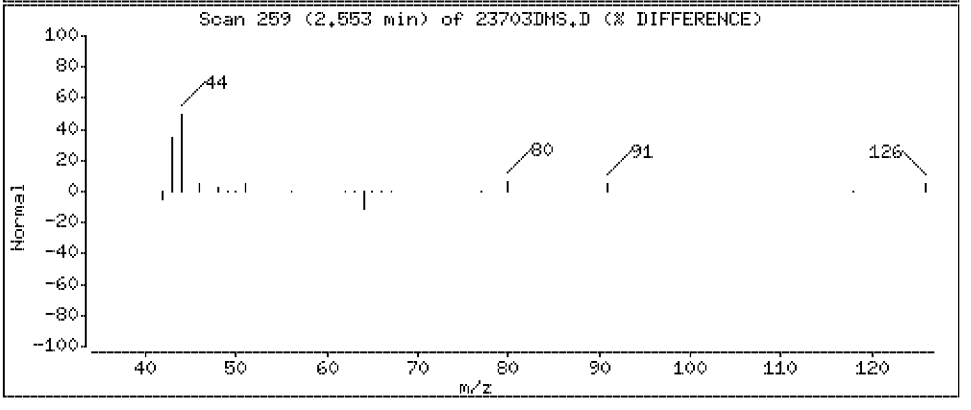
112 Ethanol

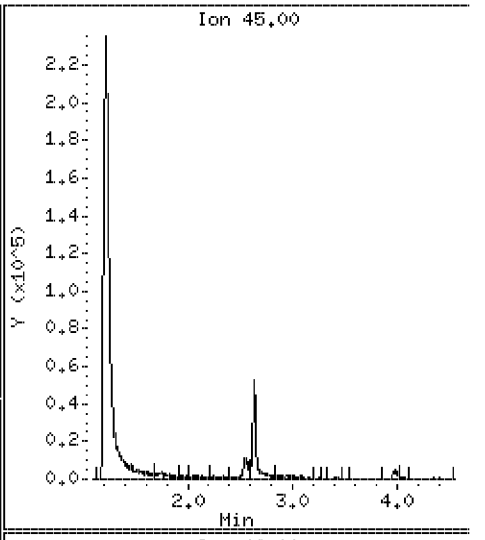
Concentration: 7370 ug/l

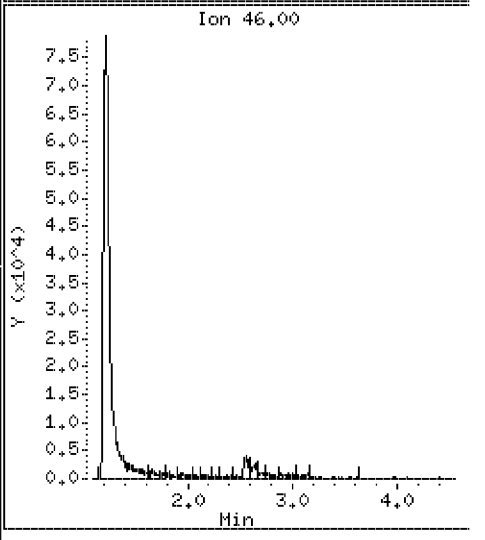












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

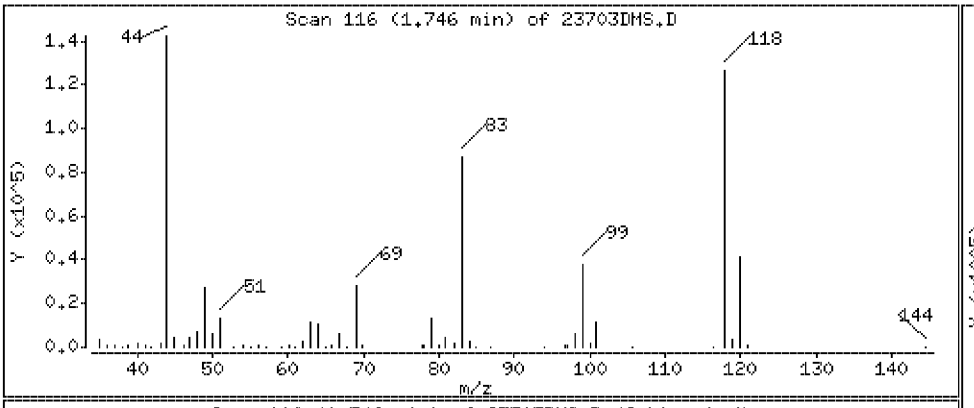
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

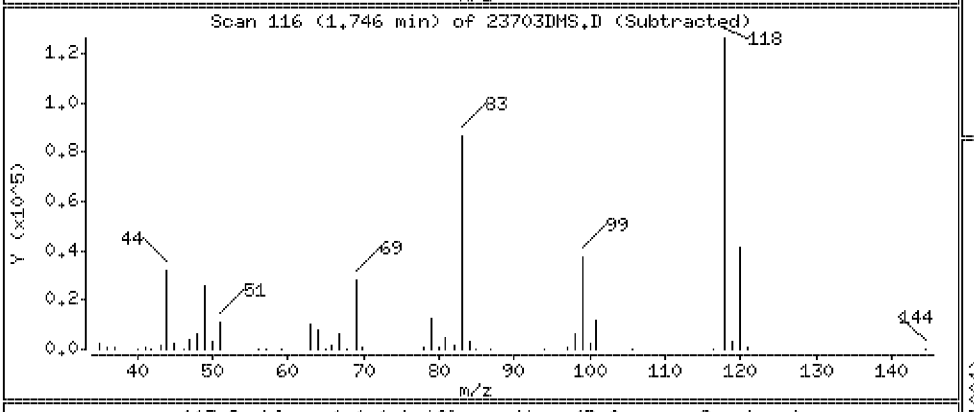
Sample Info: 350023703;3500237;5;

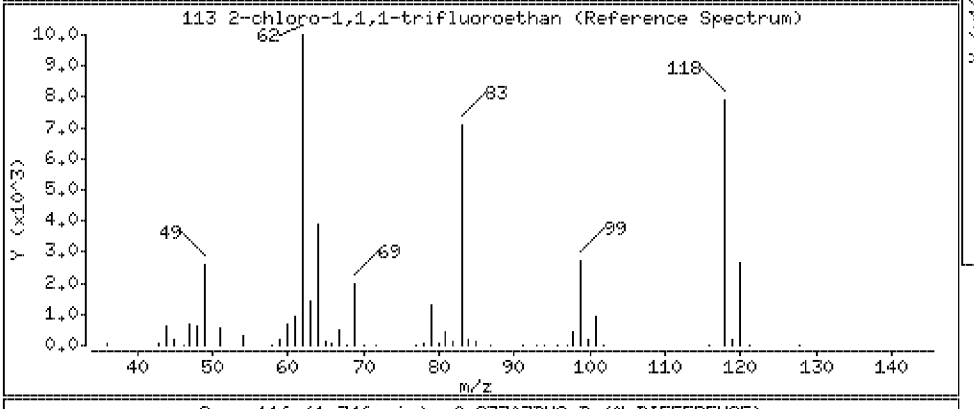
Purge Volume: 5.0 Operator:

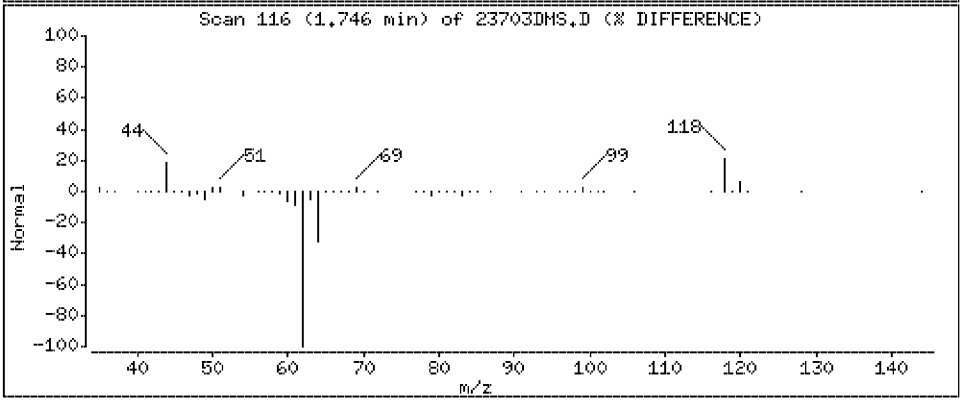
Column phase: RTX-502.2 Column diameter: 0.18

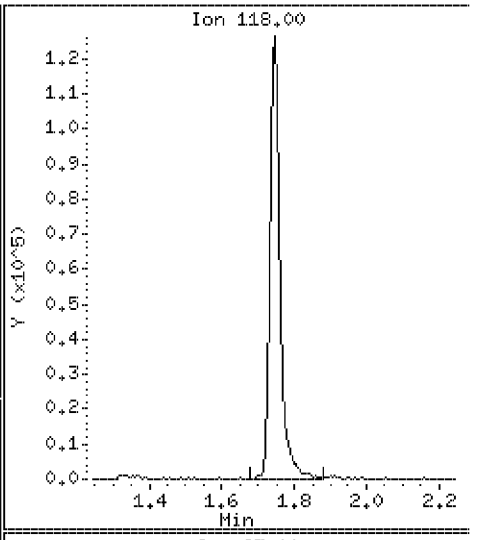
113 2-chloro-1,1,1-trifluoroethan Concentration: 108 ug/l

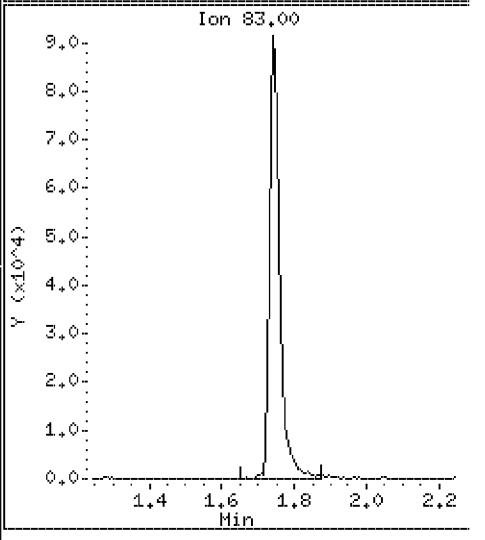












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Date : 27-JUL-2010 15:17

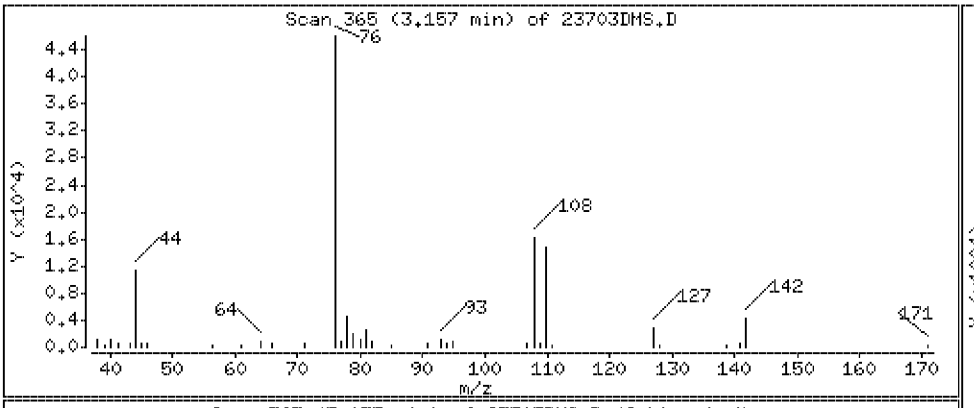
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

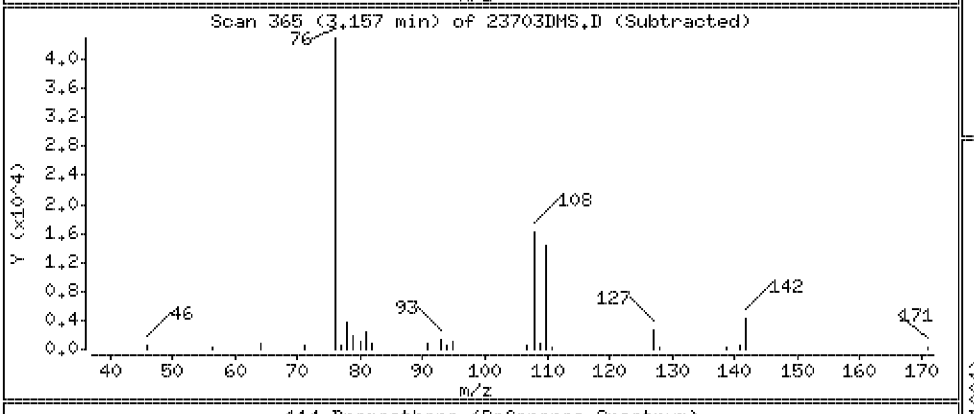
Sample Info: 350023703;3500237;5;

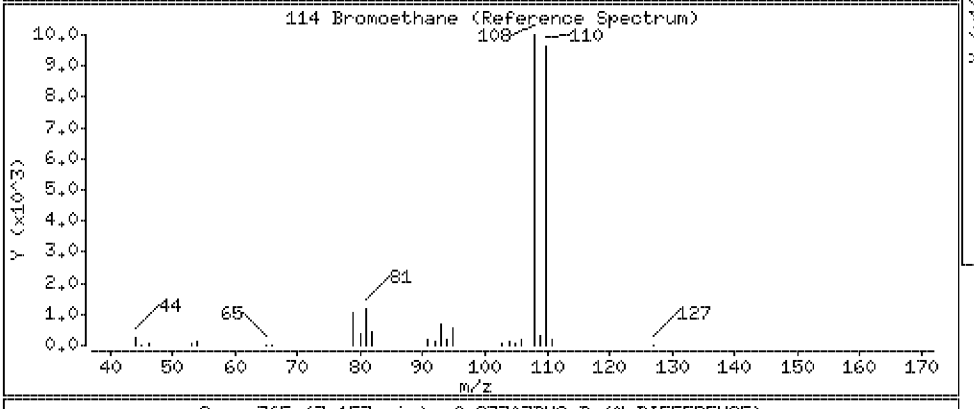
Purge Volume: 5.0 Operator:

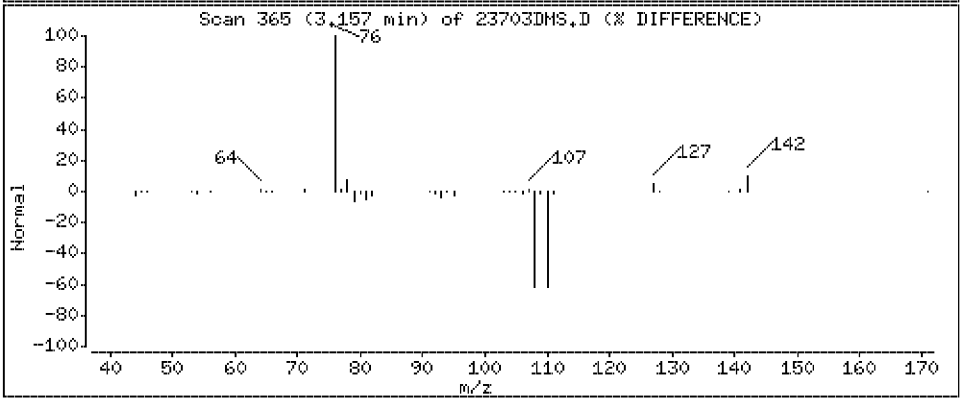
Column phase: RTX-502.2 Column diameter: 0.18

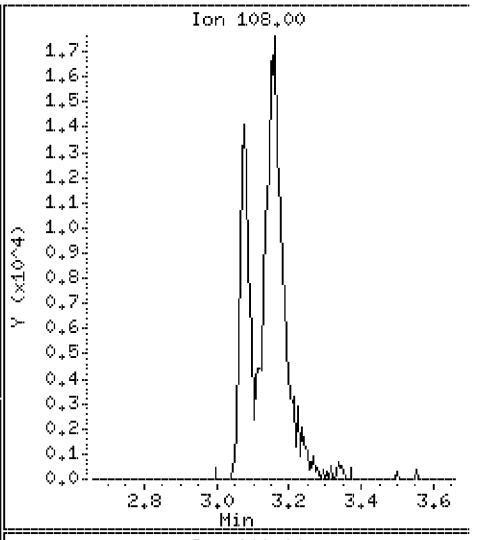
114 Bromoethane Concentration: 68.8 ug/l

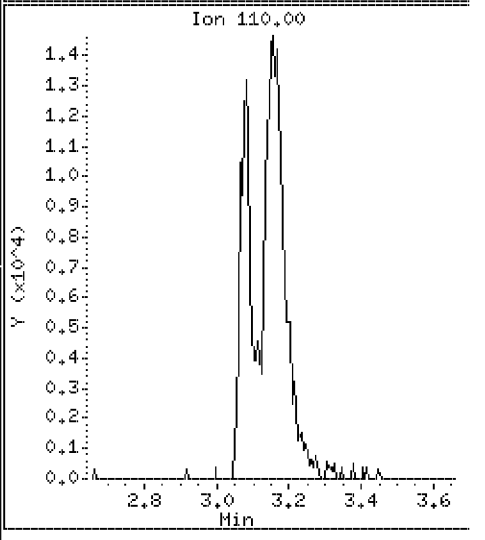












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Date : 27-JUL-2010 15:17

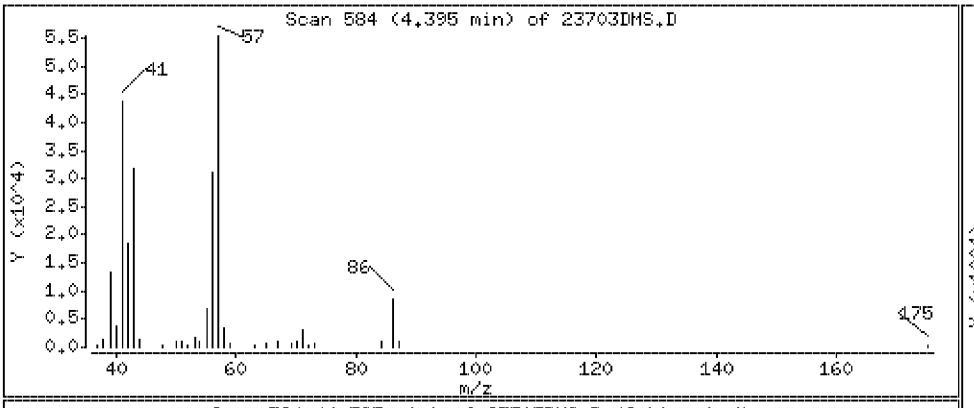
Client ID: ST106-MS-10625-2007 Instrument: vms03.i

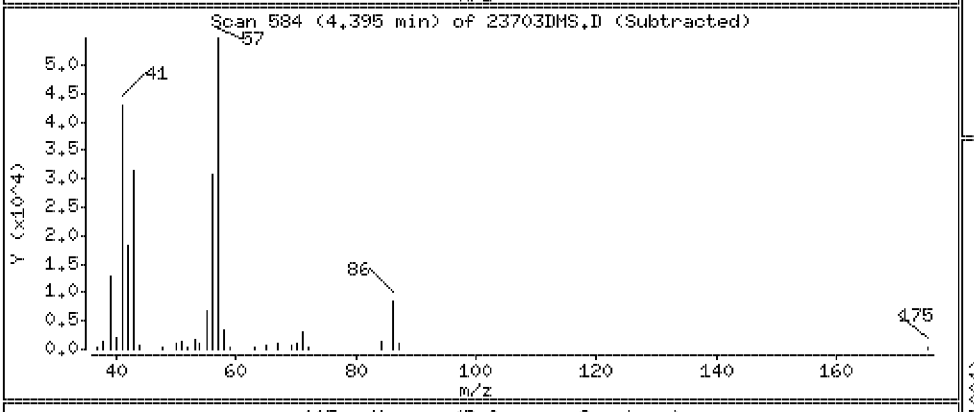
Sample Info: 350023703;3500237;5;

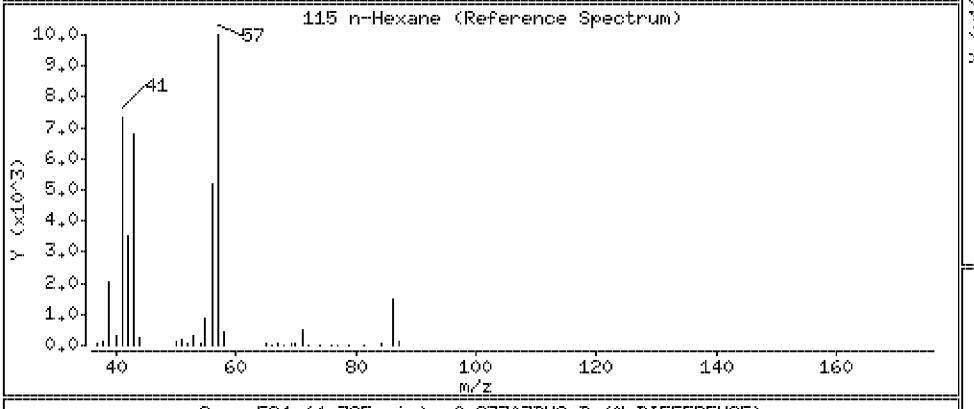
Purge Volume: 5.0 Operator:

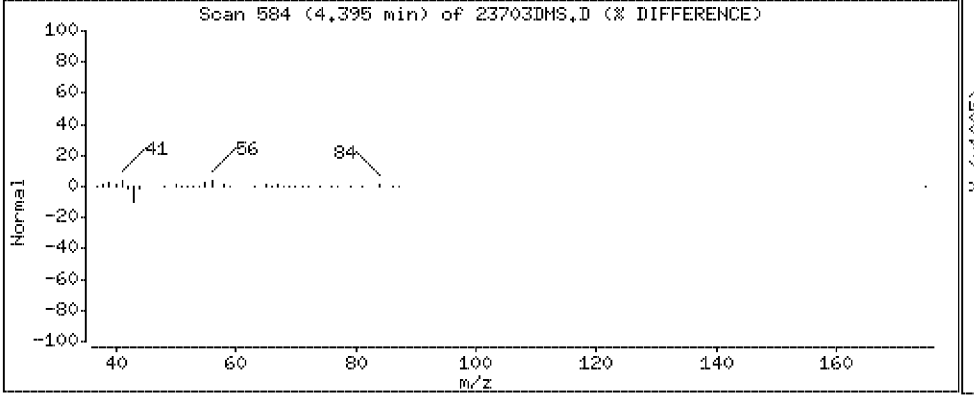
Column phase: RTX-502.2 Column diameter: 0.18

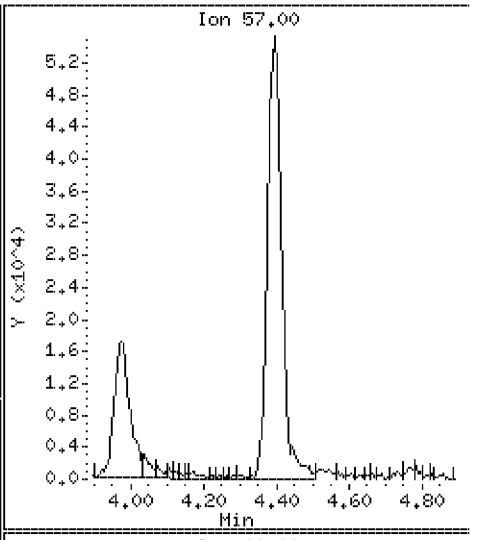
115 n-Hexane Concentration: 83.9 ug/l

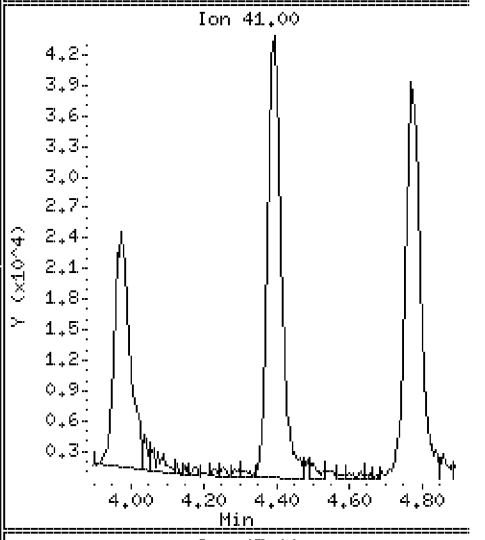


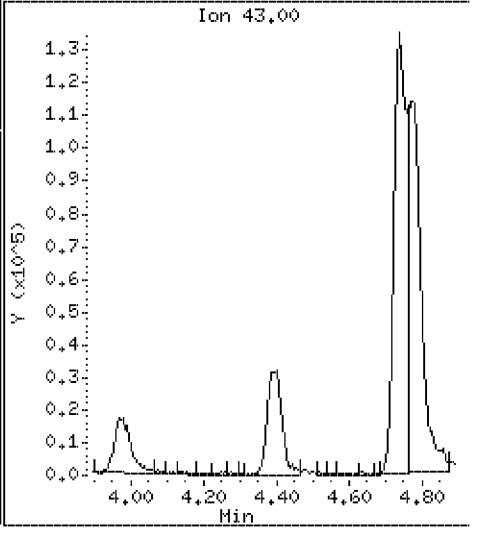












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

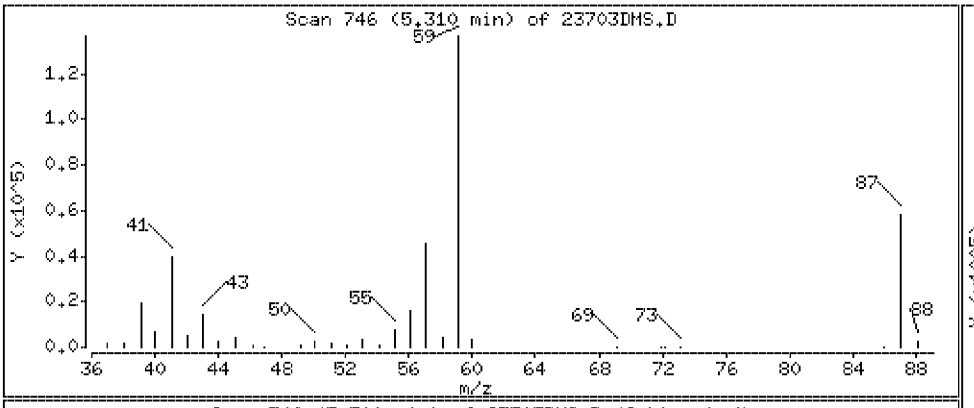
Operator:

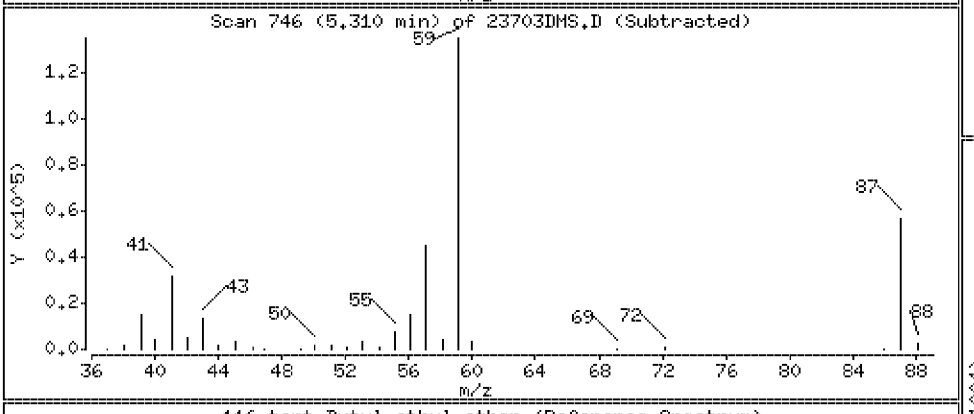
Column phase: RTX-502.2

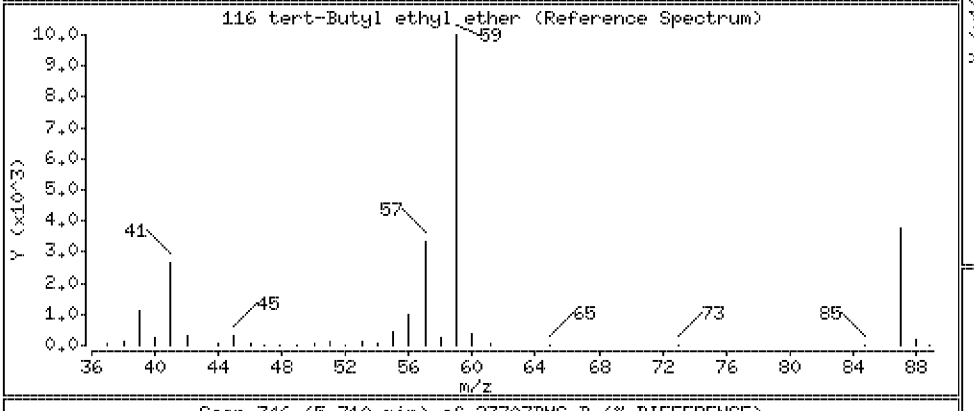
Column diameter: 0.18

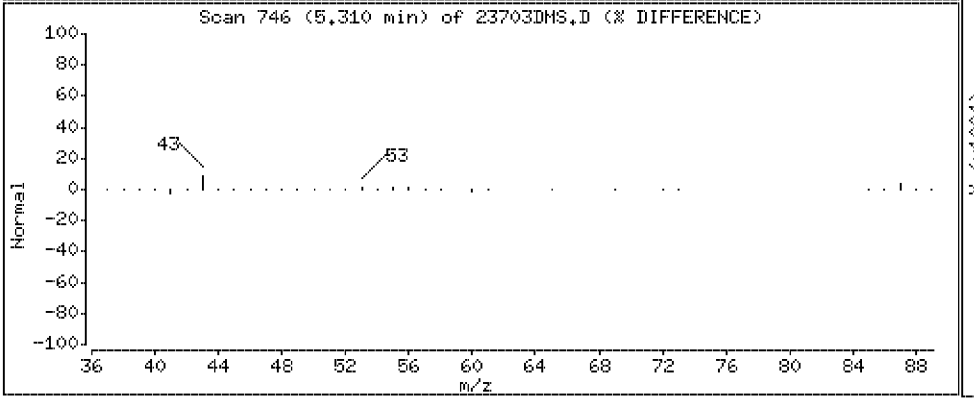
116 tert-Butyl ethyl ether

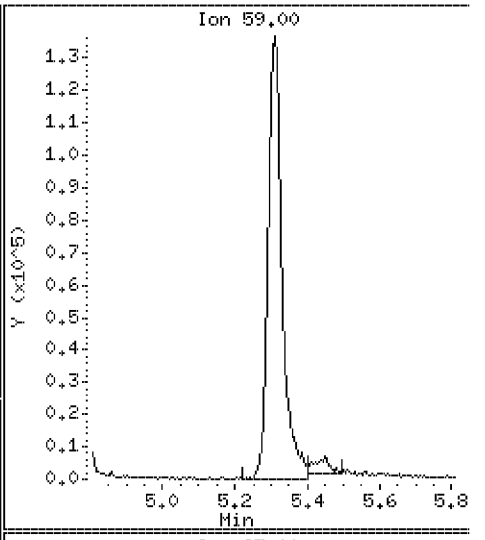
Concentration: 98.3 ug/l

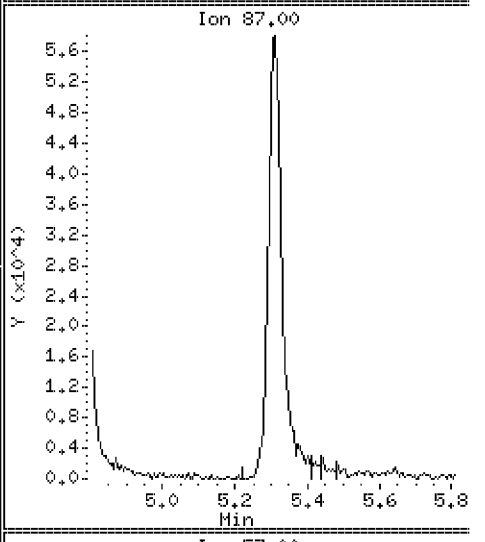


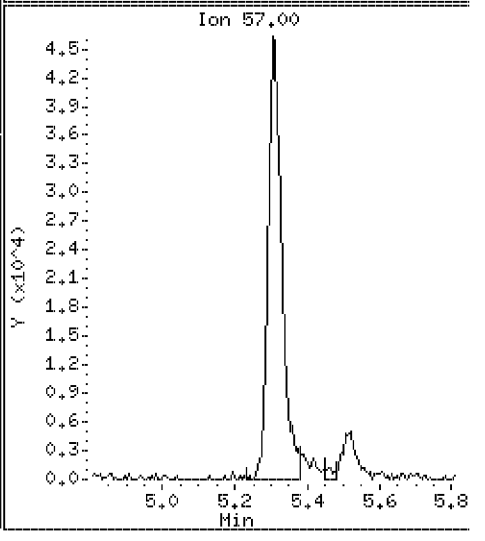












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23703DMS.D

Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

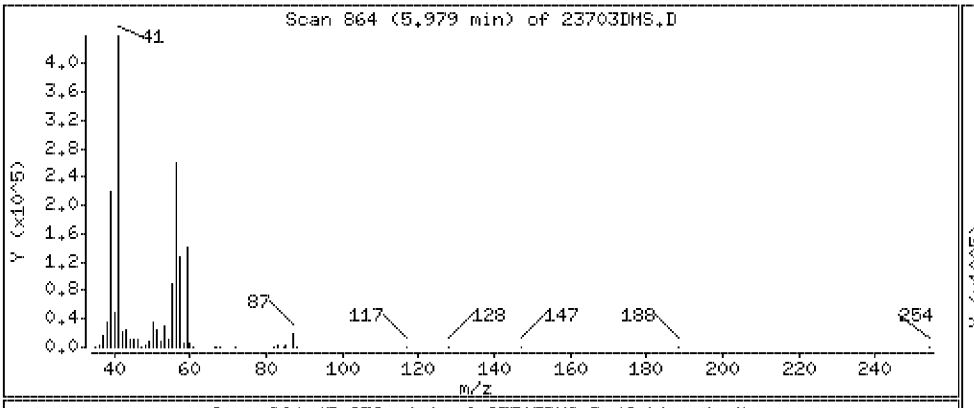
Operator:

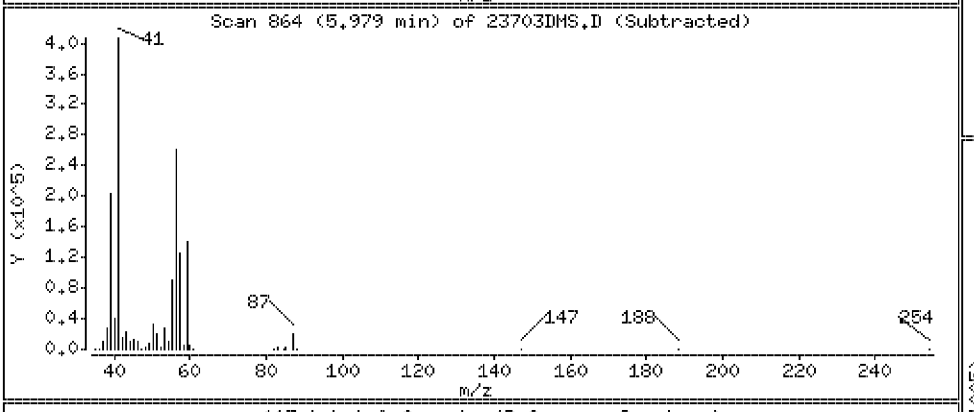
Column phase: RTX-502.2

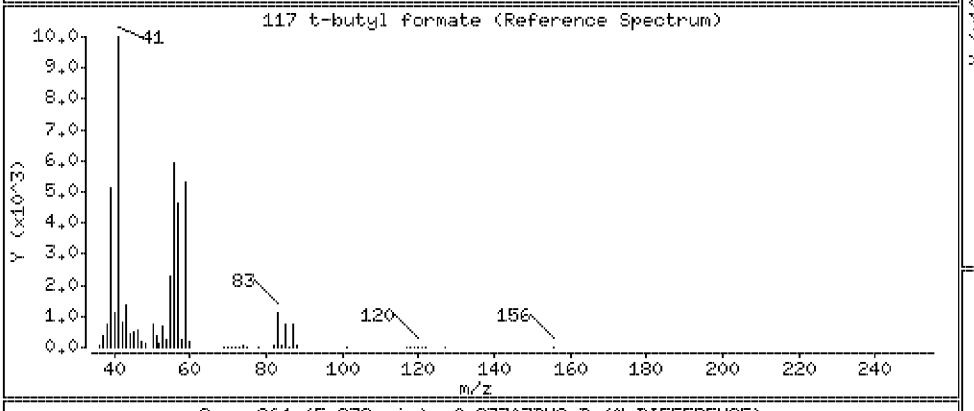
Column diameter: 0.18

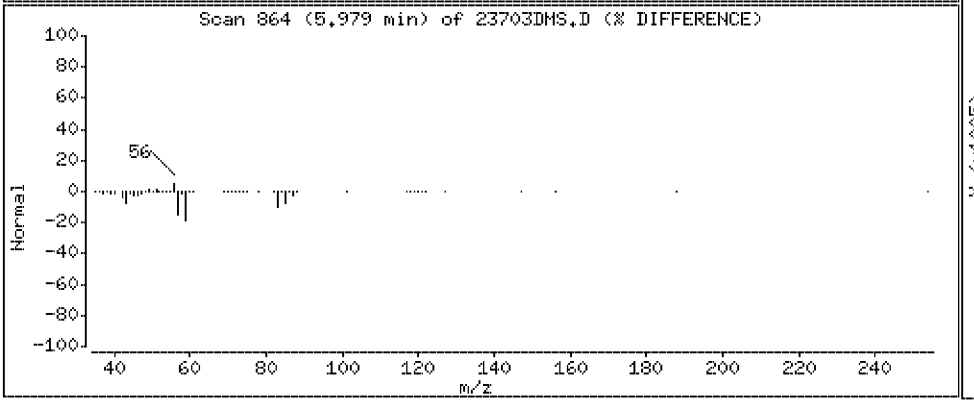
117 t-butyl formate

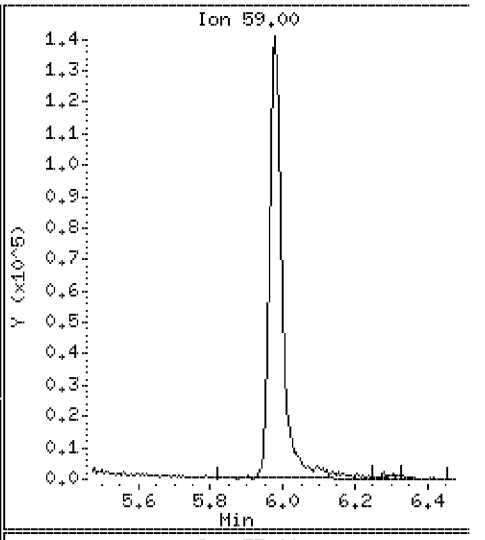
Concentration: 1080 ug/l

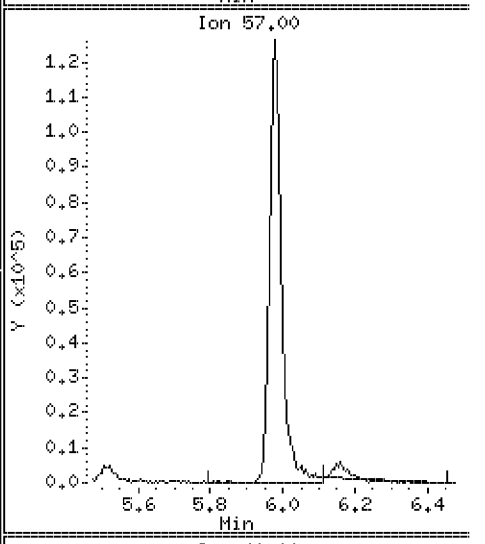


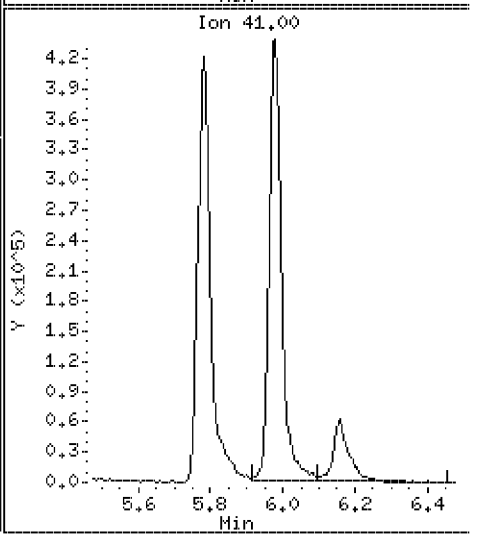












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

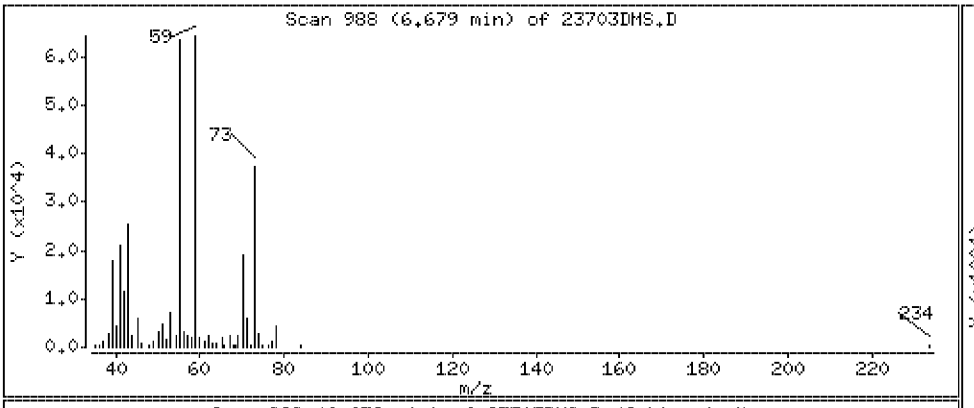
Operator:

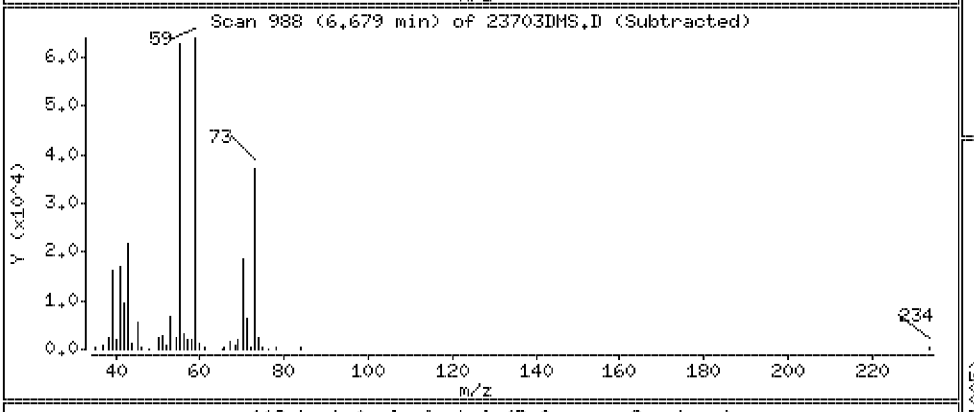
Column phase: RTX-502.2

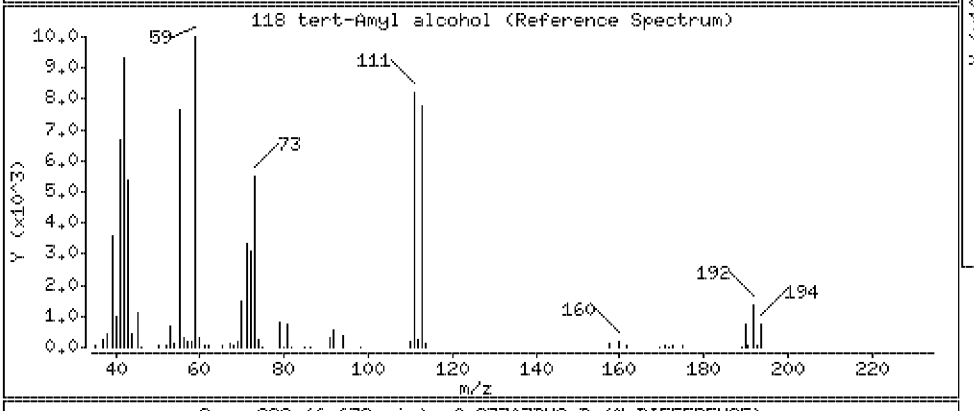
Column diameter: 0.18

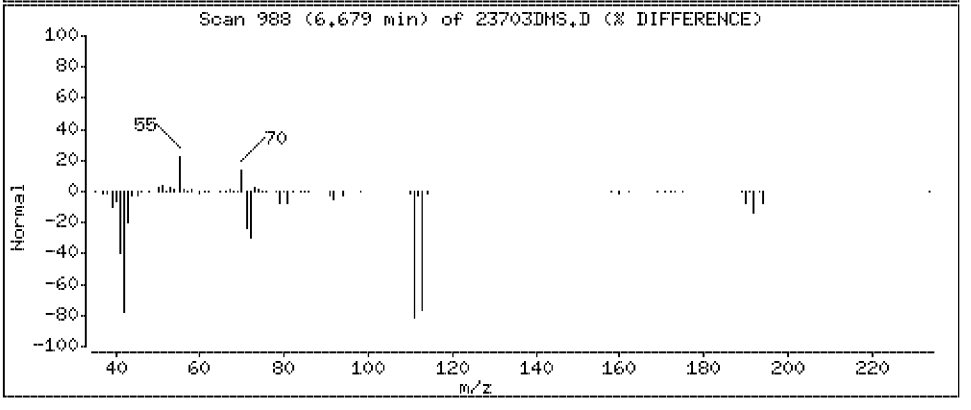
118 tert-Amyl alcohol

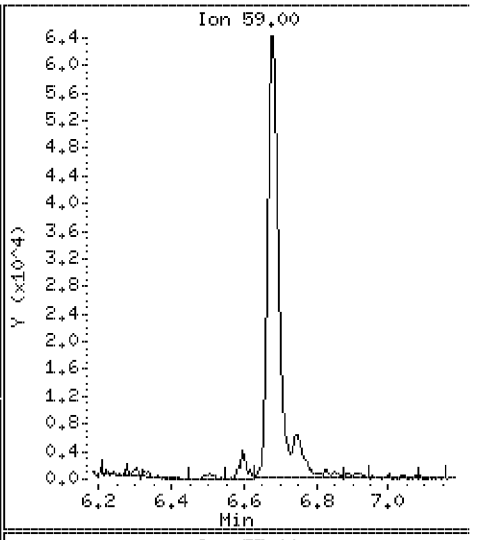
Concentration: 1760 ug/l

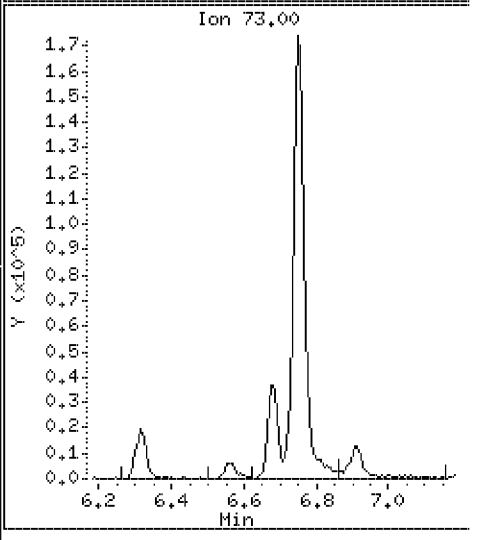












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

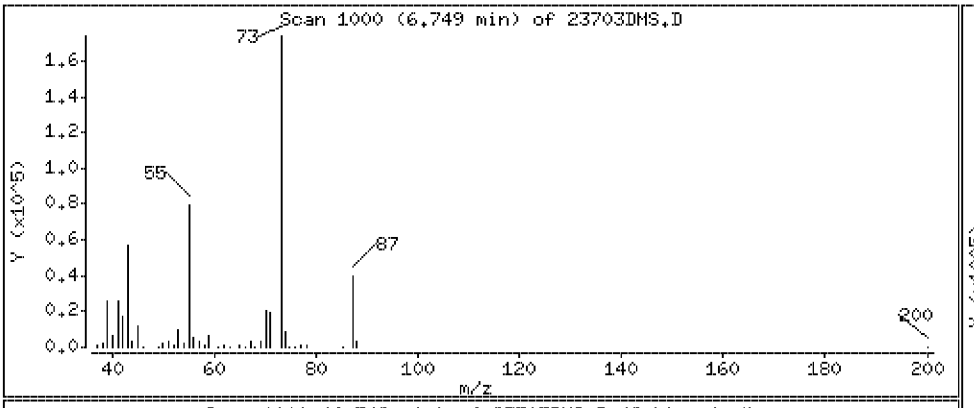
Operator:

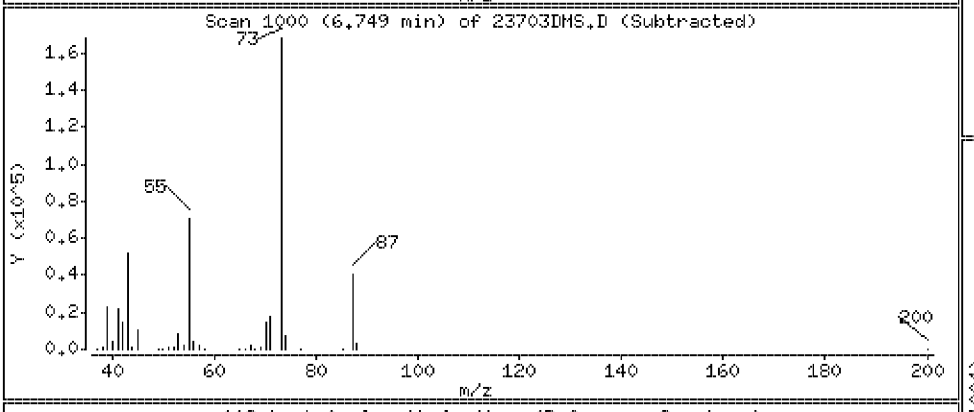
Column phase: RTX-502.2

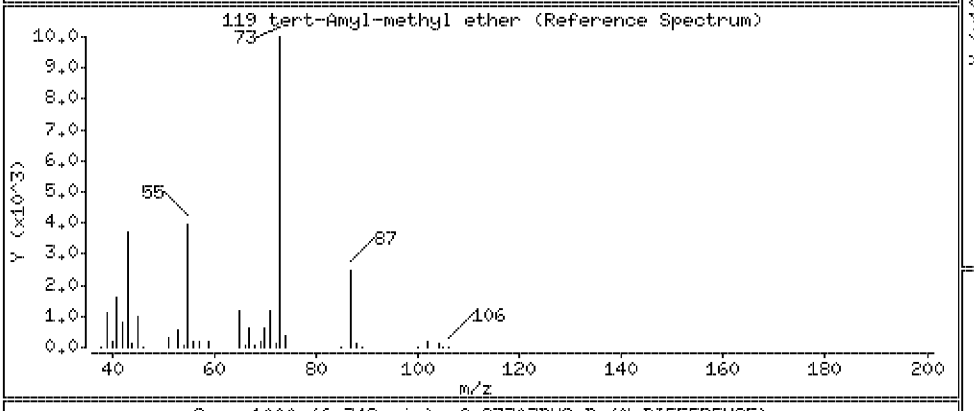
Column diameter: 0.18

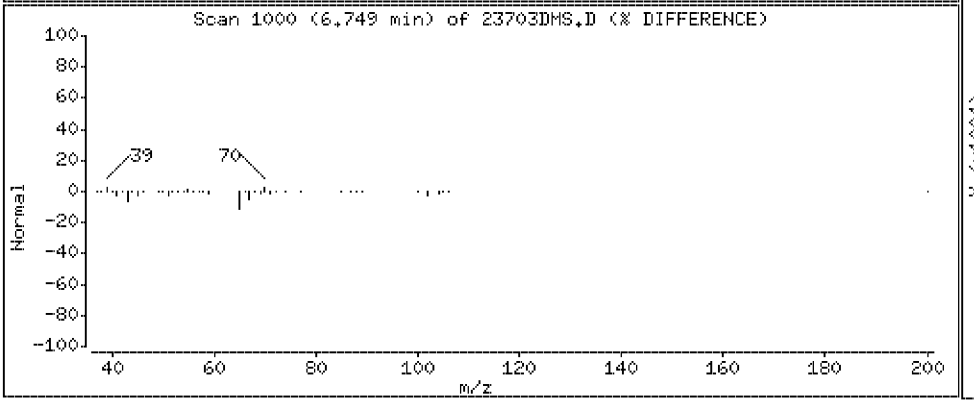
119 tert-Amyl-methyl ether

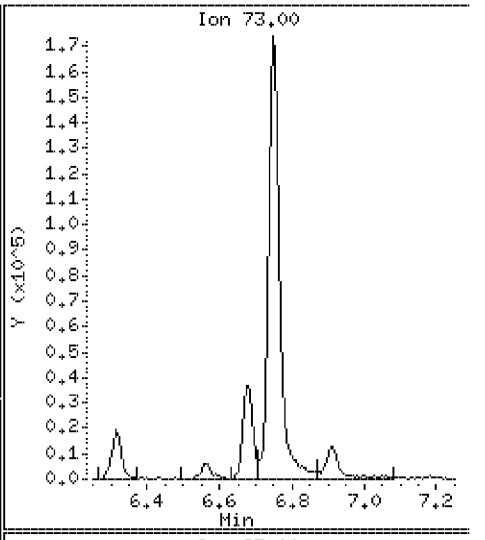
Concentration: 101 ug/l

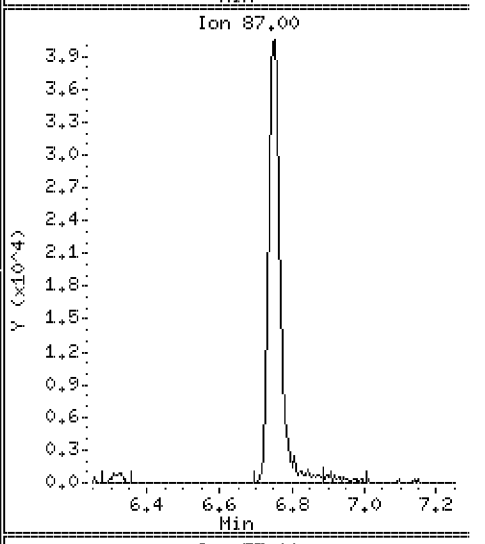


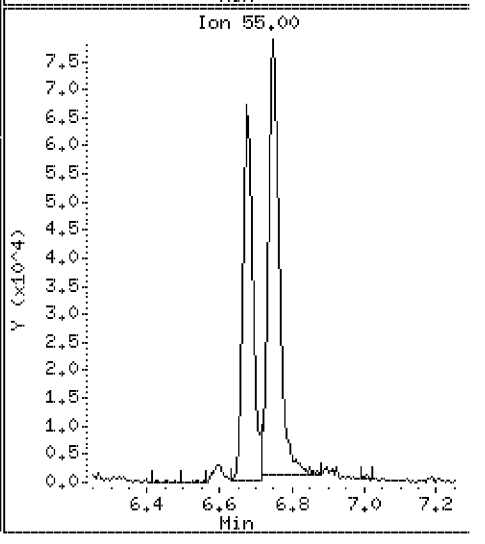












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Date : 27-JUL-2010 15:17

Client ID: ST106-MS-10625-2007

Instrument: vms03.i

Sample Info: 350023703;3500237;5;

Purge Volume: 5.0

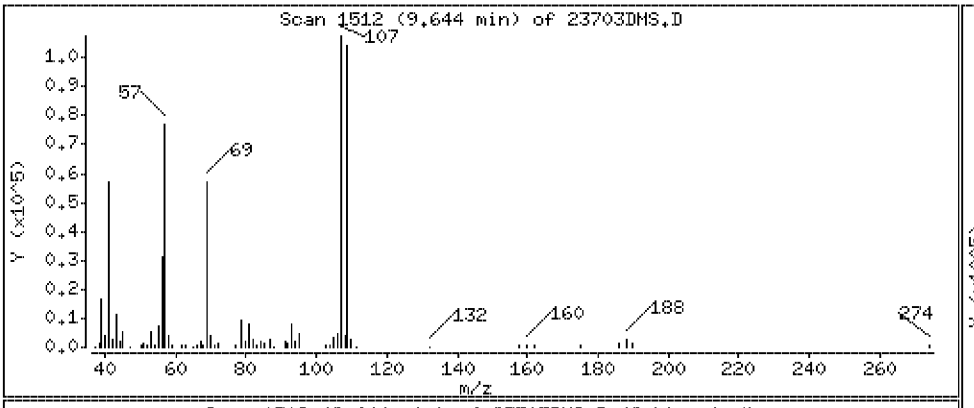
Operator:

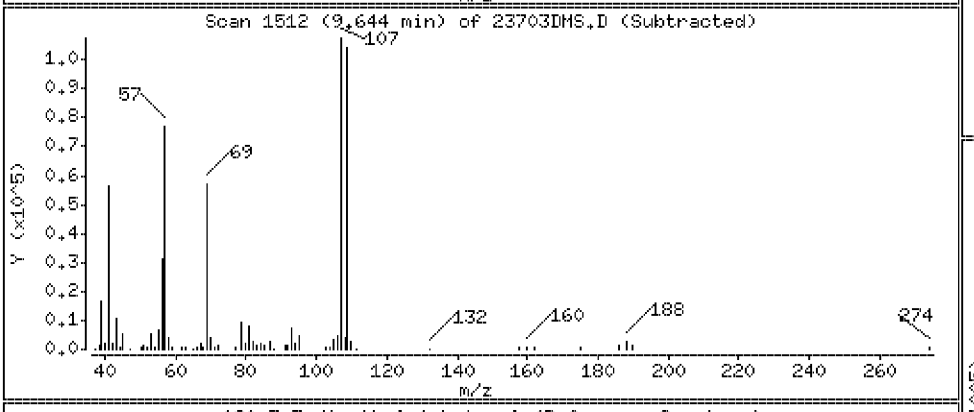
Column phase: RTX-502.2

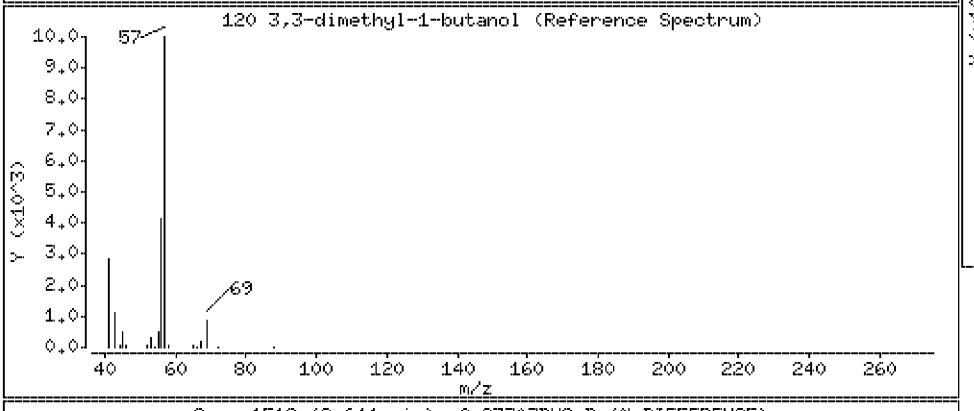
Column diameter: 0.18

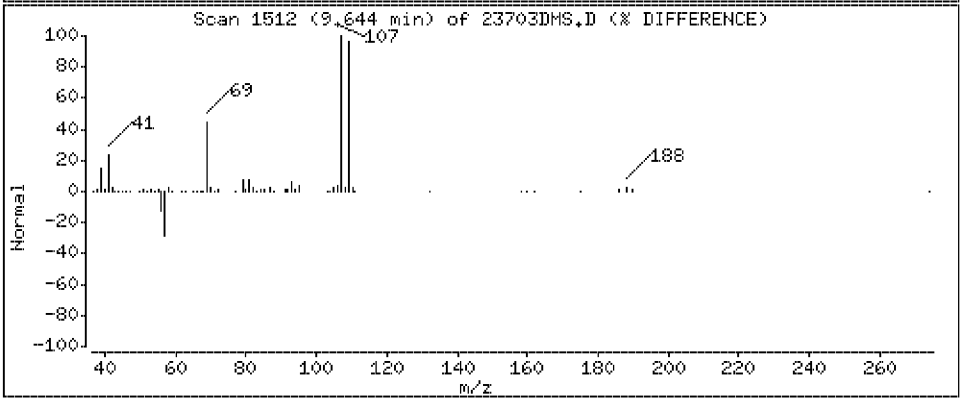
120 3,3-dimethyl-1-butanol

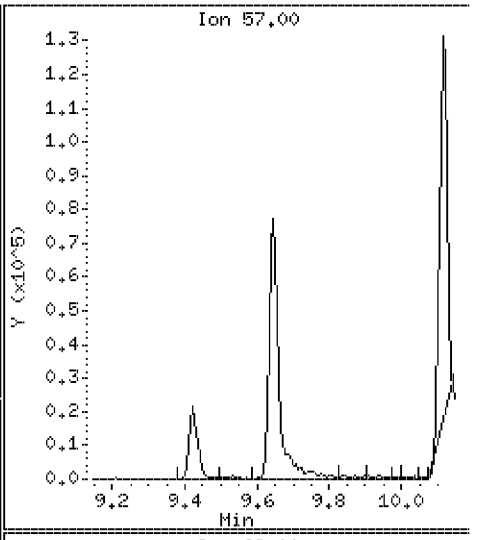
Concentration: 1820 ug/l

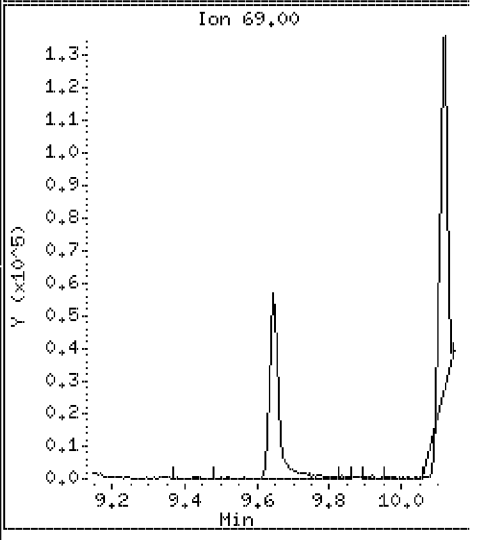












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D
Lab Smp Id: 350023704 Client Smp ID: ST106-MSD-10625-200
Inj Date : 27-JUL-2010 15:40
Operator : Inst ID: vms03.i
Smp Info : 350023704;3500237;5;
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Meth Date : 30-Jul-2010 11:14 lpelo Quant Type: ISTD
Cal Date : 19-JUL-2010 08:45 Cal File: 200PPT.D
Als bottle: 6 QC Sample: MSD
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				365057	32.6263	163(R)
M 2 Xylenes (Total)	100				1462654	64.2378	321
M 3 Trihalomethanes (Total)	100				898273	80.5640	403
4 Dichlorodifluoromethane	85	1.371	1.368	(0.198)	185322	15.3972	77.0
5 Chloromethane	50	1.516	1.520	(0.219)	196077	17.3008	86.5
6 Vinyl Chloride	62	1.634	1.628	(0.237)	213802	19.1283	95.6
7 Bromomethane	96	1.949	1.949	(0.282)	110009	17.6007	88.0
8 Chloroethane	64	2.069	2.071	(0.300)	128018	17.5481	87.7
9 Trichlorofluoromethane	101	2.327	2.331	(0.337)	325820	19.6966	98.5
10 Acrolein	56	2.767	2.773	(0.400)	23086	26.8077	134(R)
11 1,1,2 Trichlorotrifluoromethan	101	2.945	2.948	(0.426)	156616	17.4147	87.1
12 Acetone	43	2.965	2.967	(0.429)	65111	27.7852	139(R)
13 1,1-Dichloroethene	61	2.907	2.904	(0.421)	250311	17.3782	86.9
109 t-Butyl-Alcohol	59	3.805	3.798	(0.551)	123105	182.272	911
14 Acetonitrile	41	3.345	3.348	(0.484)	333200	165.943	830(q)
15 Iodomethane	142	3.093	3.089	(0.448)	261843	18.6950	93.5
16 Methyl Acetate	43	3.410	3.411	(0.494)	85718	14.0308	70.2
17 Allyl Chloride	41	3.345	3.348	(0.484)	333200	16.8580	84.3
18 Carbon Disulfide	76	3.139	3.138	(0.454)	448634	17.9822	89.9
19 Methylene Chloride	49	3.582	3.586	(0.518)	236410	15.0043	75.0(R)
20 Acrylonitrile	53	3.912	3.916	(0.566)	96174	30.2361	151
21 Methyl-tert-butyl ether	73	3.975	3.975	(0.575)	294630	15.7304	78.6
22 trans 1,2-Dichloroethene	61	3.931	3.932	(0.569)	202825	15.7282	78.6(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	23 1,1-Dichloroethane	63	4.589	4.587	(0.664)	251740	15.6209	78.1(R)
	24 Vinyl Acetate	43	4.745	4.750	(0.687)	464066	15.6151	78.1
	25 Chloroprene	53	4.728	4.731	(0.684)	214398	17.0084	85.0
	26 2-Butanone	43	5.511	5.528	(0.798)	97105	31.3054	156(R)
	27 Propionitrile	54	5.578	5.596	(0.807)	191085	175.231	876
	28 2,2-Dichloropropane	77	5.431	5.430	(0.786)	111814	17.7839	88.9
	29 cis-1,2-Dichloroethene	96	5.445	5.453	(0.788)	162232	16.8981	84.5(R)
	30 Methyacrylonitrile	67	5.779	5.782	(0.836)	676663	209.877	1050
	31 Isobutyl Alcohol	43	5.976	5.977	(0.865)	51805	181.482	907(QR)
	32 Chloroform	83	5.901	5.907	(0.854)	344295	21.1335	106
	33 Bromochloromethane	49	5.761	5.764	(0.834)	188108	20.8103	104
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.103	6.104	(0.883)	527428	54.8686	54.9
	35 1,1,1-Trichloroethane	97	6.096	6.103	(0.882)	264629	22.0127	110
	36 Cyclohexane	56	6.157	6.158	(0.891)	307362	20.7997	104(q)
	37 1,1-Dichloropropene	75	6.315	6.311	(0.914)	259563	21.5645	108
	38 Carbon tetrachloride	117	6.304	6.302	(0.912)	231086	19.2163	96.1
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.501	6.505	(0.941)	126375	56.0412	56.0(Q)
	40 1,2-Dichloroethane	62	6.595	6.592	(0.954)	263647	20.6130	103
	41 Benzene	78	6.560	6.555	(0.949)	797670	22.9099	114
*	42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1654144	50.0000	
	43 Trichloroethylene	130	7.332	7.327	(1.061)	203257	21.7978	109
	44 Methyl Cyclohexane	55	7.533	7.530	(1.090)	177244	21.5358	108
	45 1,2-Dichloropropane	63	7.574	7.576	(1.096)	212432	22.3882	112
	46 Methyl Methacrylate	69	7.759	7.762	(1.123)	107825	19.3027	96.5
	47 Bromodichloromethane	83	7.892	7.891	(1.142)	263825	20.8930	104
	48 1,4 Dioxane	88	7.753	7.764	(1.122)	26788	401.962	2010(q)
	49 Dibromomethane	93	7.698	7.695	(1.114)	122242	21.3073	106
	50 4-Methyl-2-Pentanone	58	8.560	8.563	(1.239)	105905	41.3714	207(Q)
	51 2-Hexanone	43	9.422	9.425	(0.931)	179721	37.8184	189
	52 cis 1,3-Dichloropropene	75	8.376	8.382	(1.212)	280096	21.3345	107
$	53 TOLUENE d8 (surr)	98	8.651	8.651	(1.252)	2031743	55.4209	55.4
	54 Toluene	92	8.719	8.718	(1.262)	797247	36.8897	184(R)
	55 trans 1,3-Dichloropropene	75	8.962	8.964	(1.297)	217352	18.3235	91.6
	56 Ethyl Methacrylate	69	9.085	9.087	(1.315)	198426	19.3034	96.5
	57 1,1,2-Trichloroethane	97	9.146	9.145	(1.324)	166285	21.1080	106
	58 1,3-Dichloropropane	76	9.312	9.311	(0.920)	298668	20.4994	102
	59 Tetrachloroethylene	164	9.280	9.287	(0.917)	152279	20.6164	103
	60 Dibromochloromethane	129	9.539	9.546	(0.942)	186902	19.8644	99.3
	61 1,2-Dibromoethane	107	9.643	9.641	(0.953)	170727	19.9695	99.8
	62 1-Chlorohexane	91	10.147	10.147	(1.002)	229359	19.7523	98.8(Q)
*	63 CHLOROBENZENE d5 (IS)	117	10.122	10.121	(1.000)	1515690	50.0000	
	64 Chlorobenzene	112	10.150	10.150	(1.003)	567125	20.8778	104(Q)
	65 1,1,1,2-Tetrachloroethane	131	10.240	10.235	(1.012)	181425	19.6316	98.2(Q)
	66 Ethylbenzene	106	10.272	10.270	(1.015)	297041	20.9291	105
	67 p,m-Xylene	106	10.393	10.393	(1.027)	734036	43.2255	216
	68 o-Xylene	91	10.788	10.787	(1.066)	728618	21.0123	105
	69 Styrene	104	10.802	10.803	(1.067)	602662	21.6690	108
	70 Bromoform	173	10.976	10.981	(1.084)	103251	18.6730	93.4
	71 1-Methylethylbenzene	105	11.163	11.165	(0.896)	802826	20.3716	102
	72 1,4-Dichloro-2-Butene	53	11.230	11.227	(0.901)	38594	31.2183	156(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.462	11.462	(0.919)	215242	18.9021	94.5(Q)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.308	11.308	(0.907)	732367	49.2490	49.2
	75 1,2,3- trichloropropane	110	11.501	11.500	(0.923)	62319	19.1124	95.6(Q)
	76 n-Propylbenzene	91	11.575	11.579	(0.929)	968507	20.7684	104

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	11.452	11.453	(0.919)	361564	19.6759	98.4
78 1,3,5-Trimethylbenzene	105	11.756	11.755	(0.943)	712487	20.8533	104
79 2-Chlorotoluene	91	11.653	11.652	(0.935)	632857	20.4083	102
80 4-Chlorotoluene	91	11.762	11.762	(0.944)	731478	20.4213	102
81 tert-Butylbenzene	119	12.079	12.077	(0.969)	545415	20.2986	101
82 1,2,4-trimethylbenzene	105	12.128	12.129	(0.973)	753724	20.6412	103
123 1,2,3-Trimethylbenzene	105	12.548	12.547	(1.007)	878390	22.2841	111
83 sec-Butylbenzene	105	12.300	12.301	(0.987)	778282	20.7683	104
84 p-Isopropyltoluene	119	12.449	12.450	(0.999)	679577	20.8749	104
85 1,3-Dichlorobenzene	146	12.399	12.400	(0.995)	424885	20.3236	102
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	882942	50.0000	
87 1,4-Dichlorobenzene	146	12.489	12.488	(1.002)	453607	20.4336	102(Q)
88 Benzyl Chloride	91	12.629	12.627	(1.013)	160610	15.2186	76.1
89 n-Butylbenzene	91	12.858	12.859	(1.031)	573965	20.9040	104
90 1,2-Dichlorobenzene	146	12.860	12.855	(1.032)	412182	20.4681	102
91 1,2-dibromo-3-chloropropane	75	13.637	13.639	(1.094)	28859	16.6118	83.0(q)
92 1,2,4-Trichlorobenzene	180	14.400	14.402	(1.155)	215970	20.1718	101
93 Hexachlorobutadiene	223	14.539	14.540	(1.166)	55106	20.9436	105(Q)
94 Naphthalene	128	14.588	14.589	(1.170)	484310	17.3681	86.8
95 1,2,3-trichlorobenzene	180	14.766	14.765	(1.185)	192254	18.9892	94.9
103 Isopropyl Ether	45	4.774	4.780	(0.691)	434776	15.4537	77.3
104 Ethyl acetate	43	5.633	5.639	(0.815)	237708	35.0742	175(Q)
105 Cyclohexanone	55	11.243	11.244	(1.111)	39389	118.944	595(R)
106 Ethyl ether	59	2.630	2.635	(0.381)	114133	16.2924	81.5
107 2-Nitropropane	43	8.145	8.148	(1.179)	61275	32.8580	164
108 Tetrahydrofuran	42	5.835	5.855	(0.845)	86167	42.9054	214
110 Chlorotrifluoroethylene	116	1.323	1.328	(0.192)	13221	10.2481	51.2(R)
111 Isobutene	41	1.583	1.601	(0.229)	80216	250.439	1250(A)
112 Ethanol	45	2.550	2.547	(0.369)	37765	1560.22	7800(Q)
113 2-chloro-1,1,1-trifluoroethan	118	1.743	1.745	(0.252)	261461	22.3249	112
114 Bromoethane	108	3.157	3.158	(0.457)	117491	18.2919	91.4
115 n-Hexane	57	4.389	4.393	(0.635)	125088	14.6451	73.2(R)
116 tert-Butyl ethyl ether	59	5.306	5.305	(0.768)	306016	15.9646	79.8
117 t-butyl formate	59	5.977	5.977	(0.865)	328019	199.204	996(R)
118 tert-Amyl alcohol	59	6.676	6.680	(0.966)	139616	331.888	1660(Q)
119 tert-Amyl-methyl ether	73	6.747	6.749	(0.977)	376720	19.6935	98.5
120 3,3-dimethyl-1-butanol	57	9.643	9.644	(1.396)	128542	314.131	1570

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 23704DSD.D
Lab Smp Id: 350023704
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: ST106-MSD-10625
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1654144	3.44
63 CHLOROBENZENE d5	1329024	664512	2658048	1515690	14.05
86 1,4-DICHLOROBENZE	751249	375625	1502498	882942	17.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.00
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.01
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

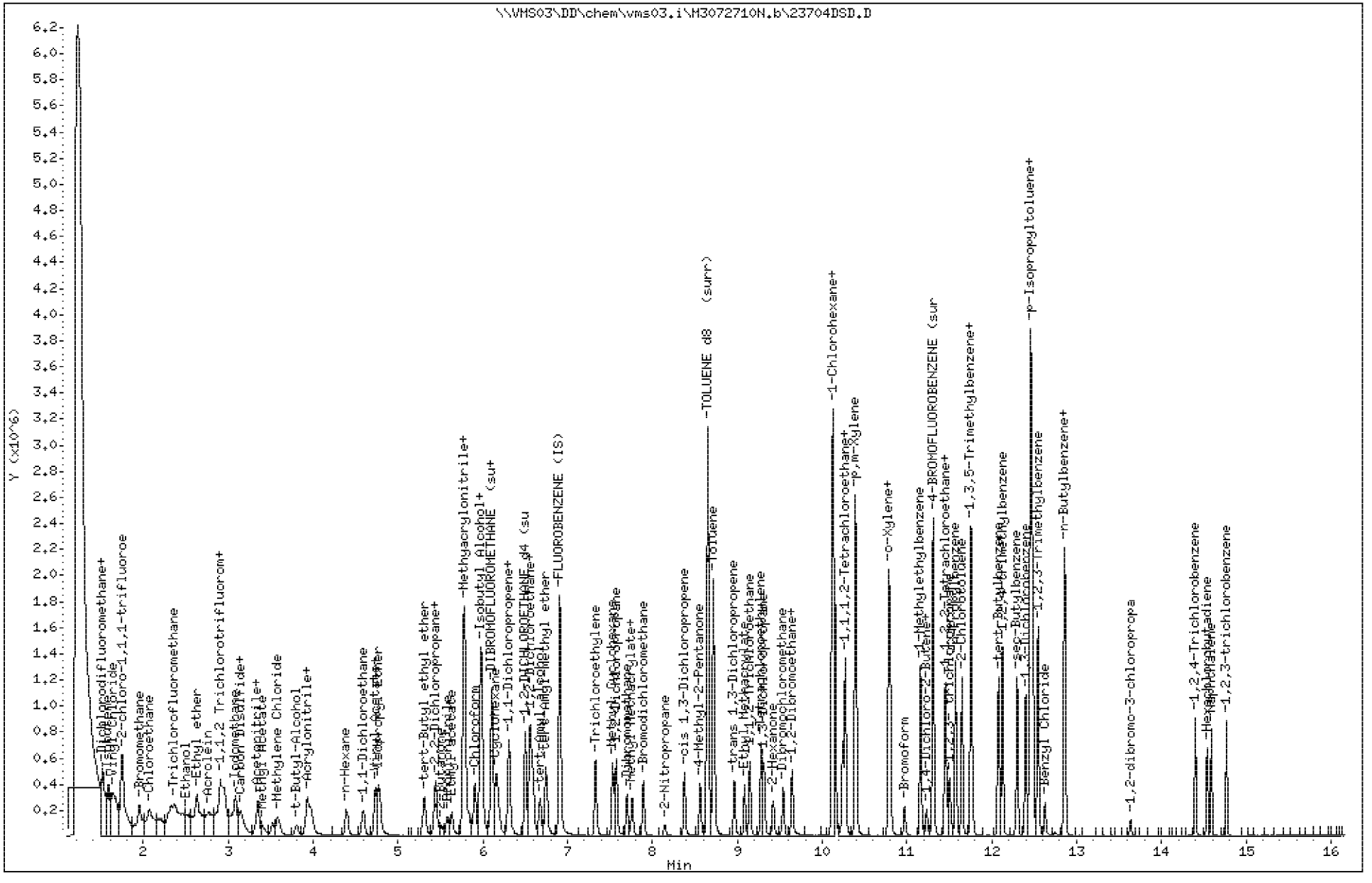
Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



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Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

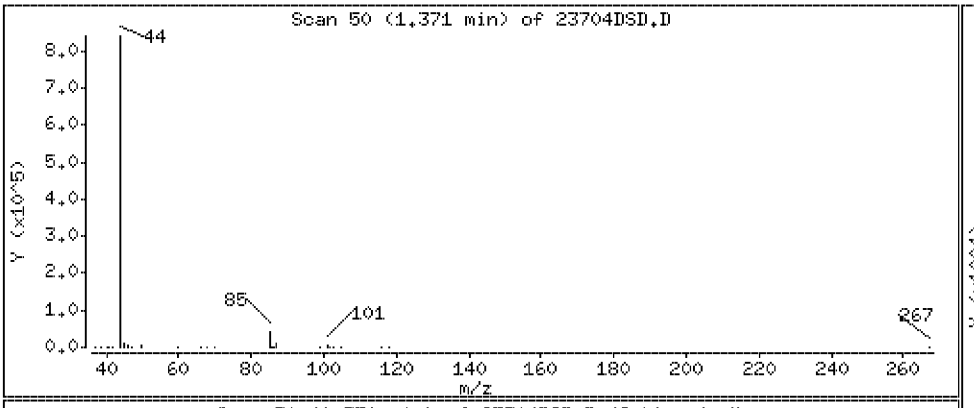
Operator:

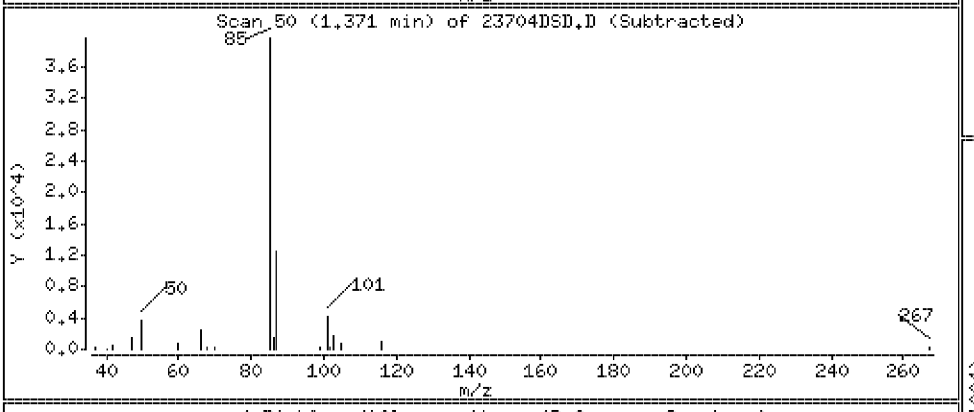
Column phase: RTX-502.2

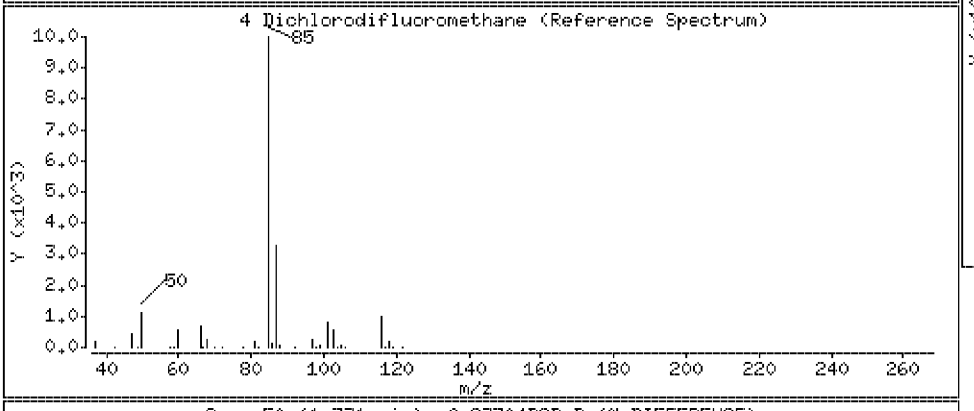
Column diameter: 0.18

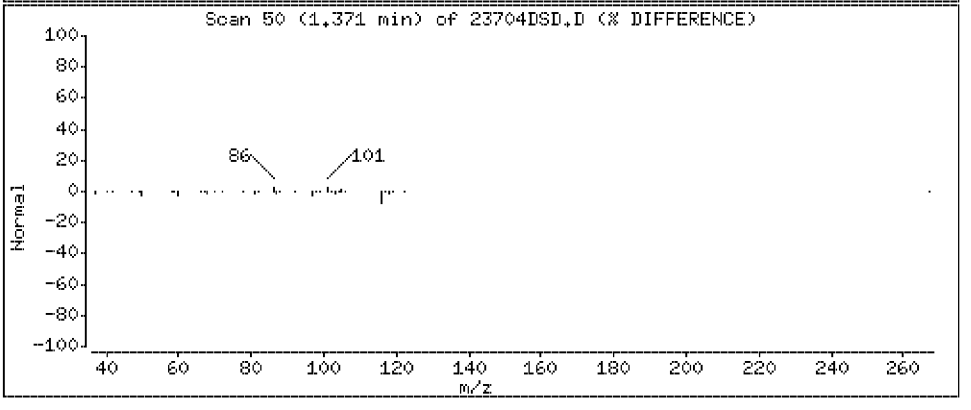
4 Dichlorodifluoromethane

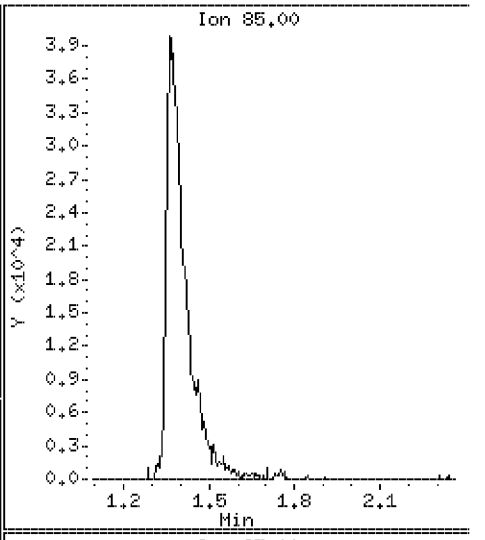
Concentration: 77.0 ug/l

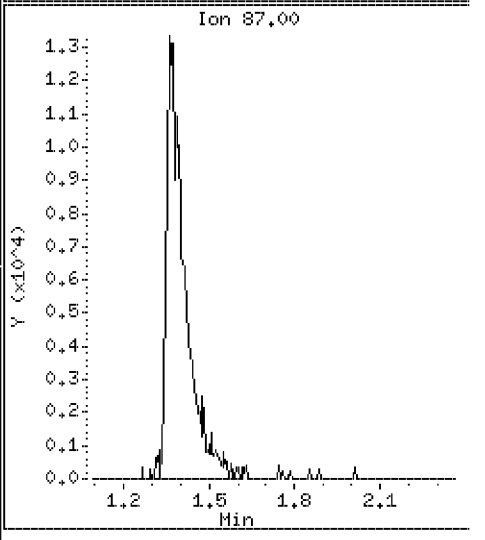












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

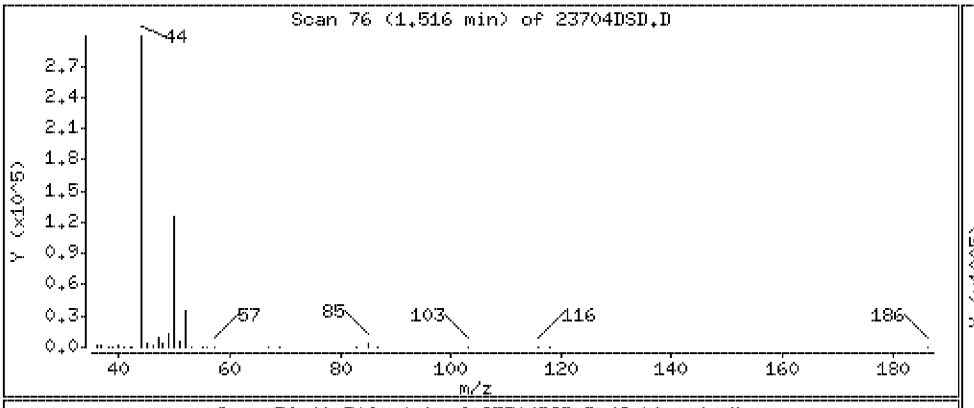
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

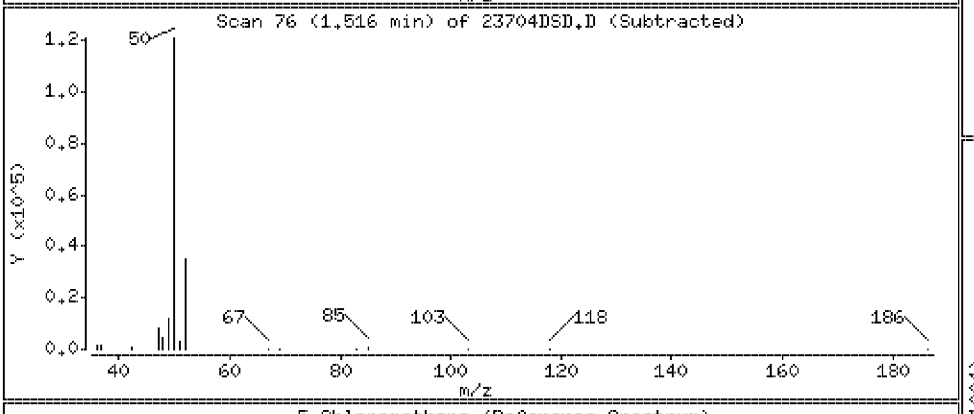
Sample Info: 350023704;3500237;5;

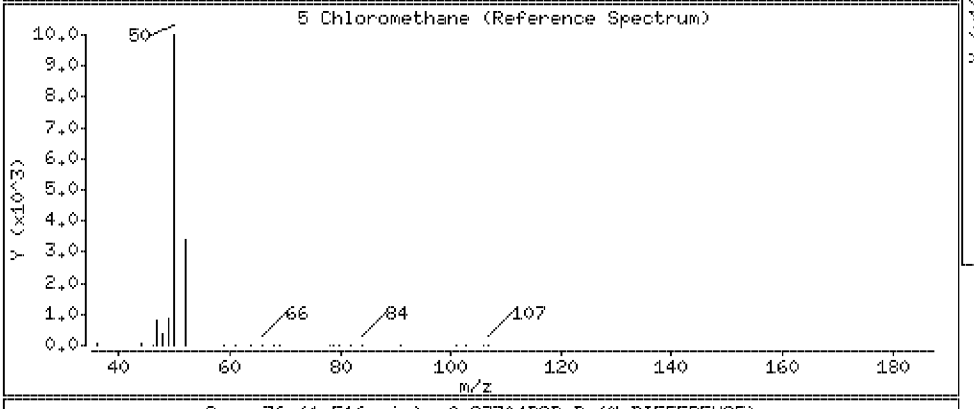
Purge Volume: 5.0 Operator:

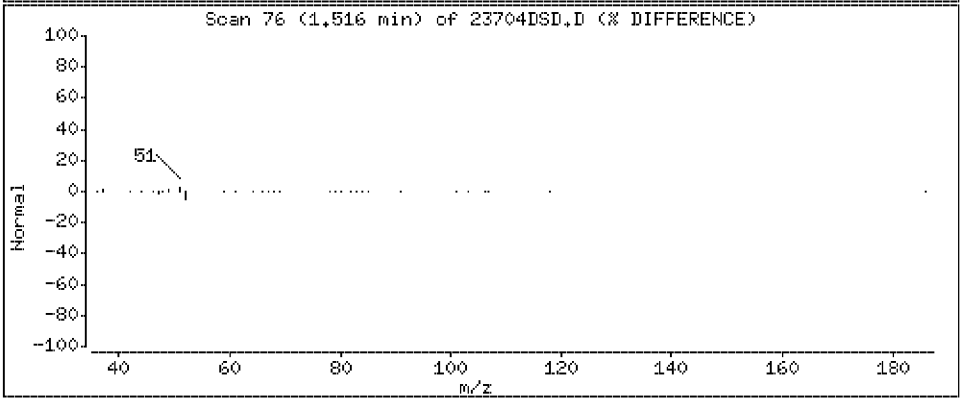
Column phase: RTX-502.2 Column diameter: 0.18

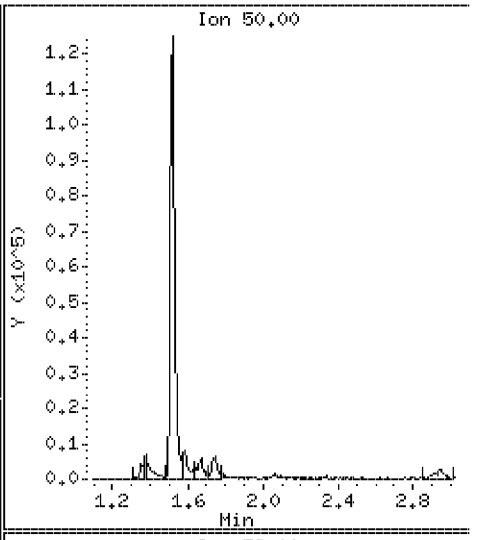
5 Chloromethane Concentration: 86.5 ug/l

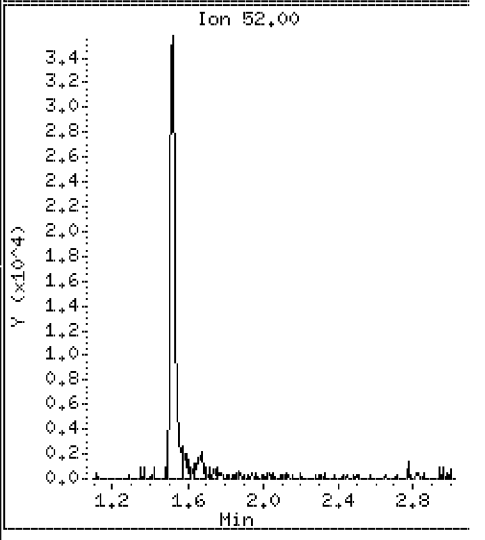












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

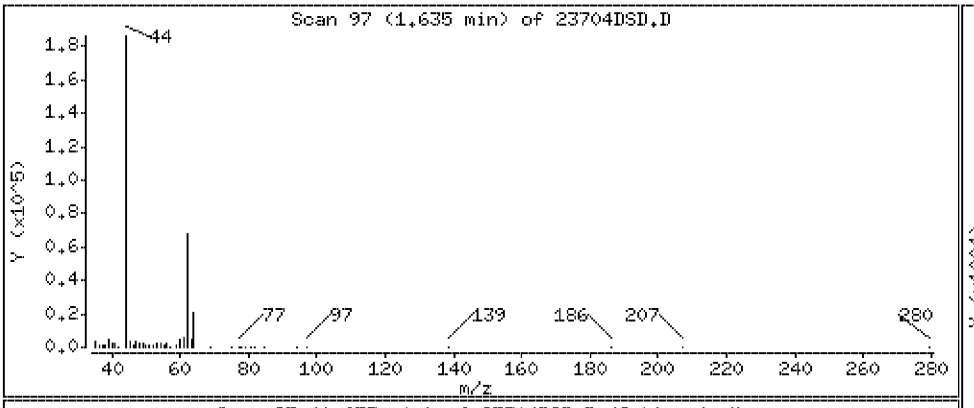
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

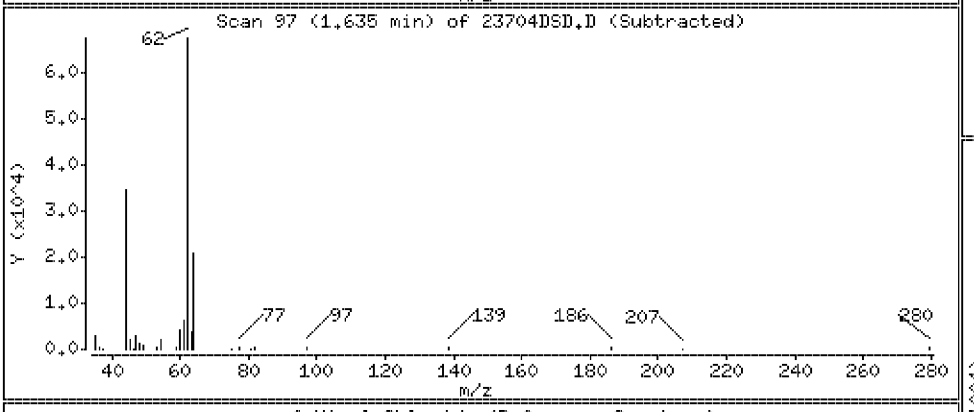
Sample Info: 350023704;3500237;5;

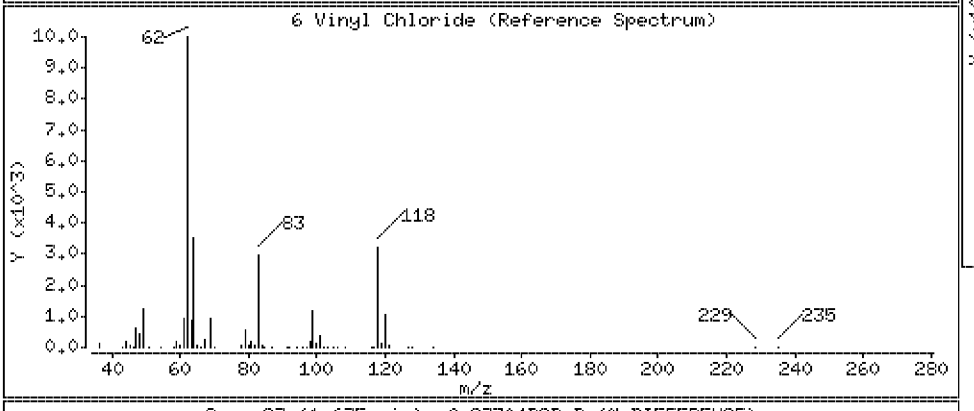
Purge Volume: 5.0 Operator:

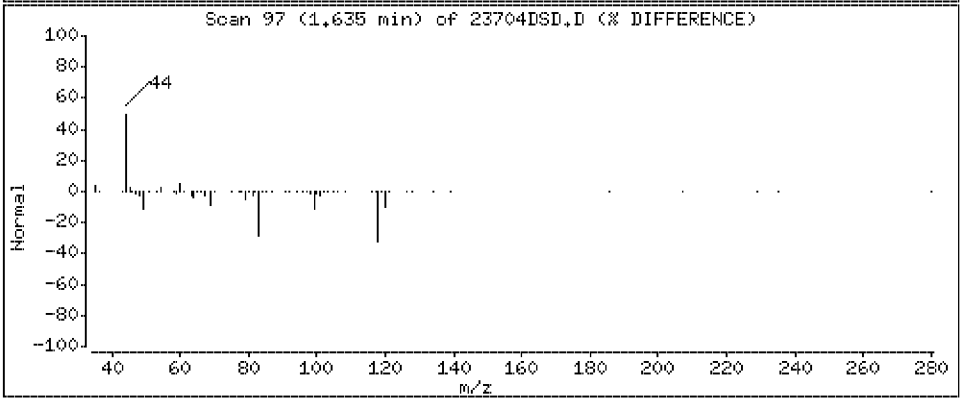
Column phase: RTX-502.2 Column diameter: 0.18

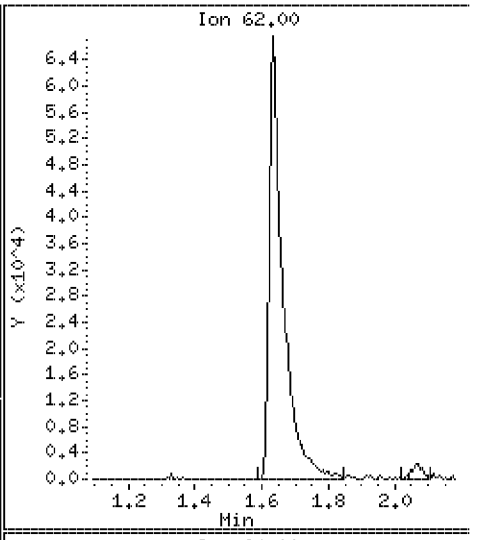
6 Vinyl Chloride Concentration: 95.6 ug/l

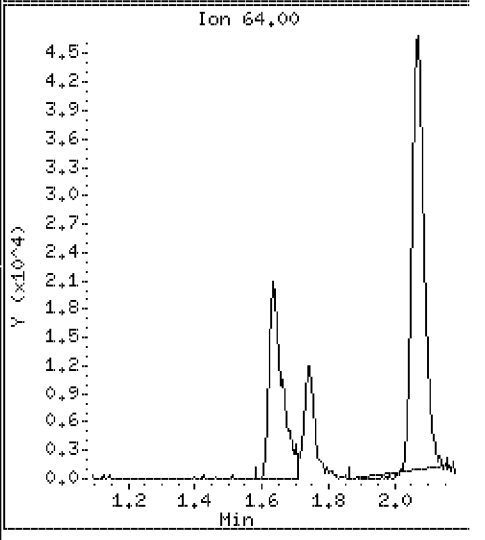












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Date : 27-JUL-2010 15:40

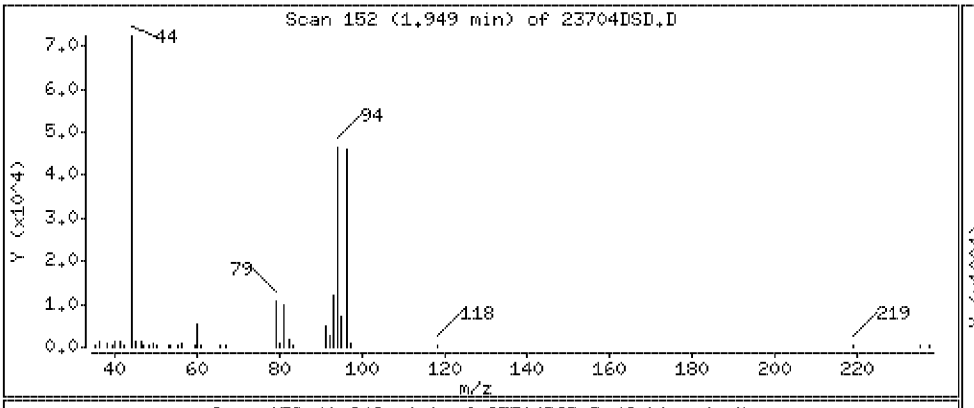
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

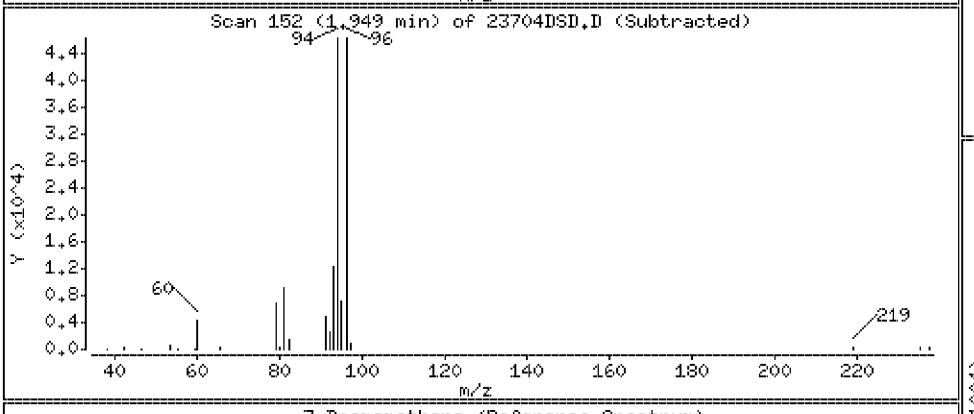
Sample Info: 350023704;3500237;5;

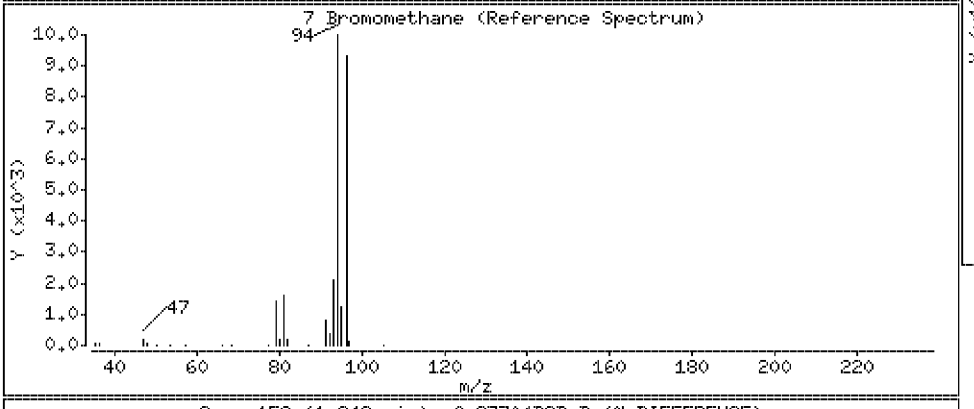
Purge Volume: 5.0 Operator:

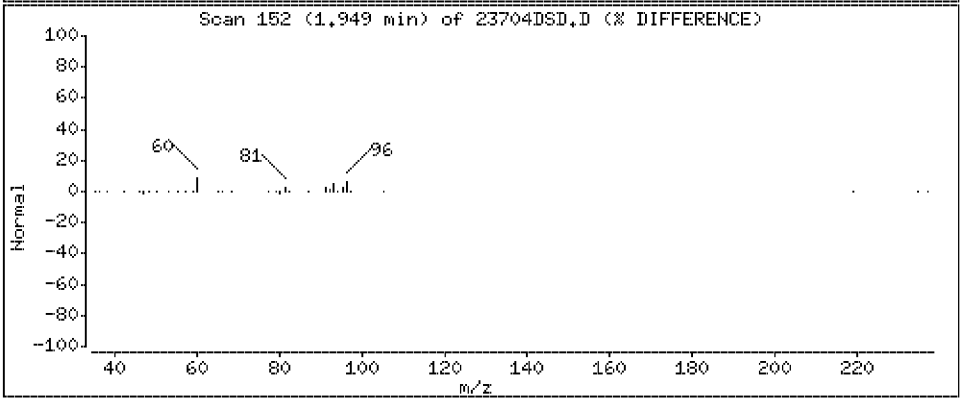
Column phase: RTX-502.2 Column diameter: 0.18

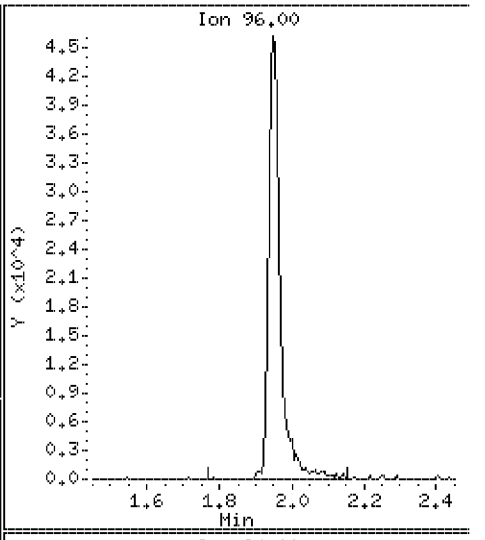
7 Bromomethane Concentration: 88.0 ug/l

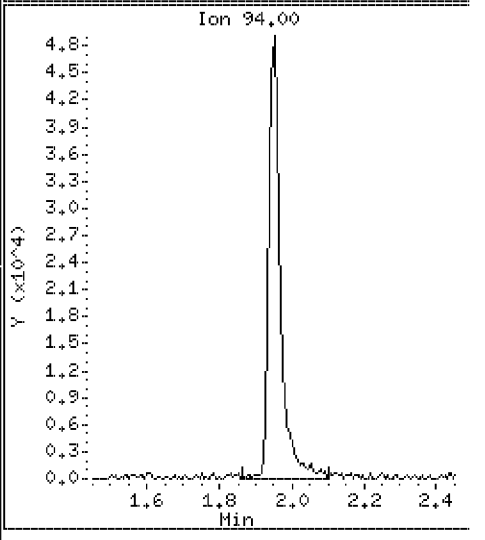












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Date : 27-JUL-2010 15:40

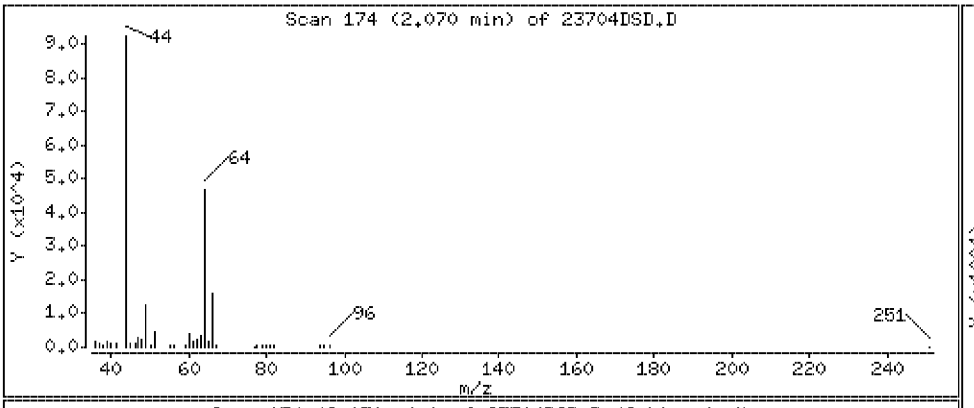
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

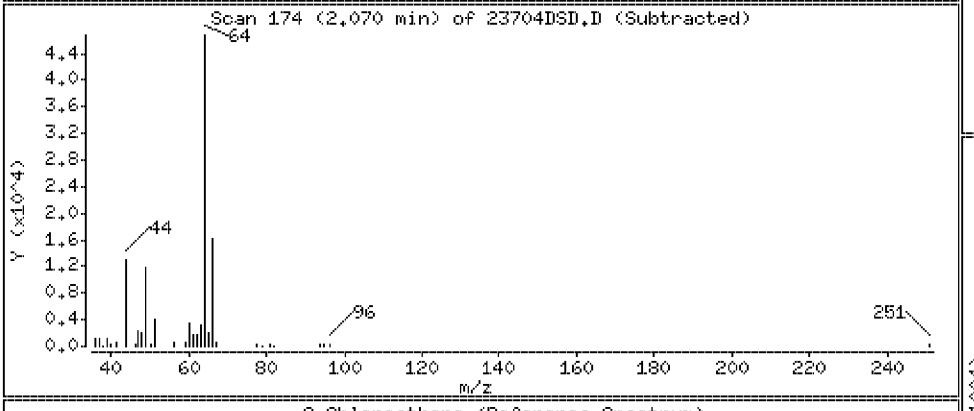
Sample Info: 350023704;3500237;5;

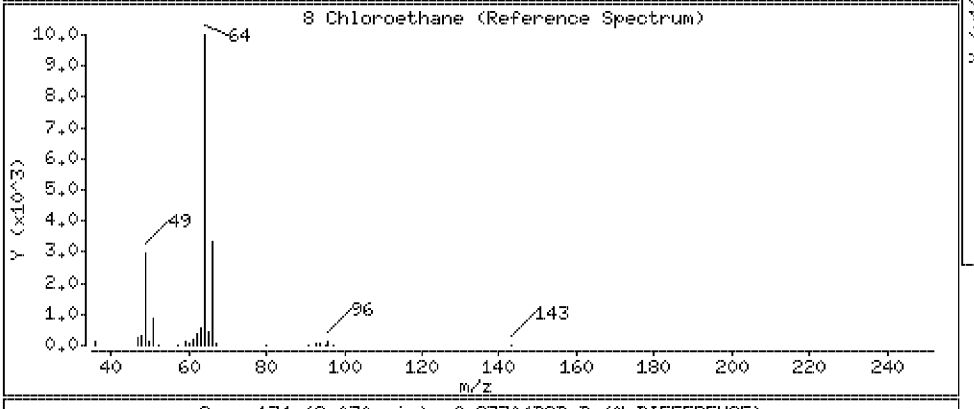
Purge Volume: 5.0 Operator:

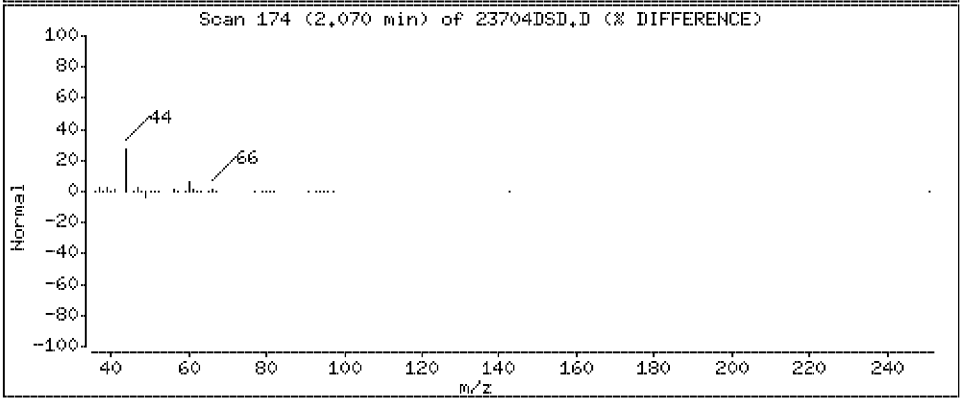
Column phase: RTX-502.2 Column diameter: 0.18

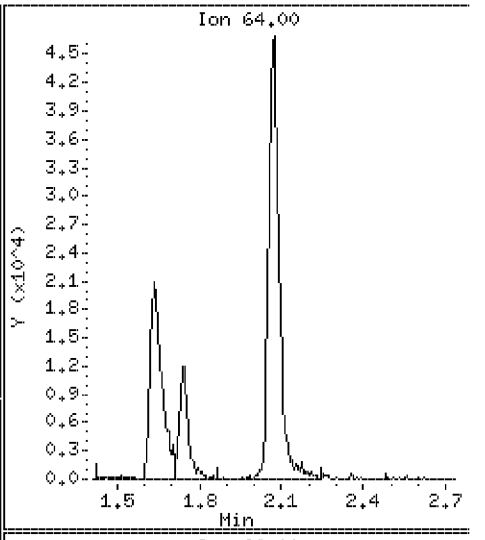
8 Chloroethane Concentration: 87.7 ug/l

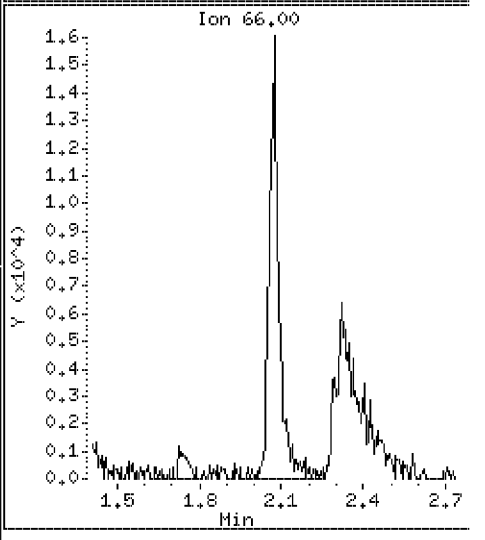












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Date : 27-JUL-2010 15:40

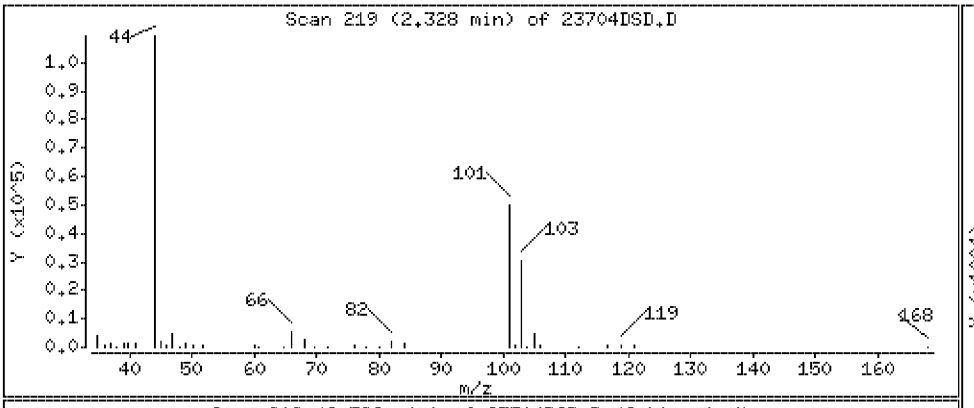
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

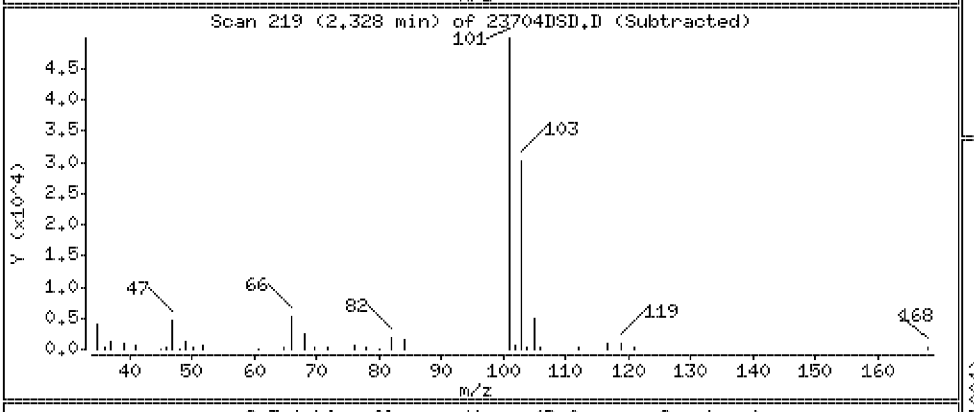
Sample Info: 350023704;3500237;5;

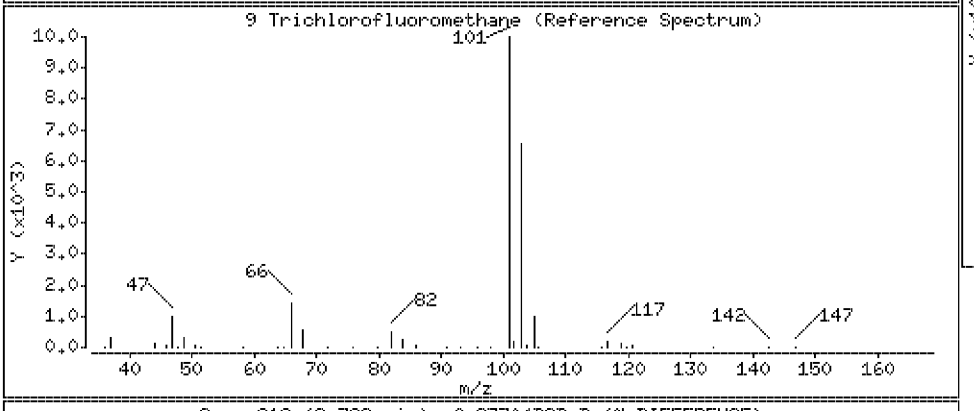
Purge Volume: 5.0 Operator:

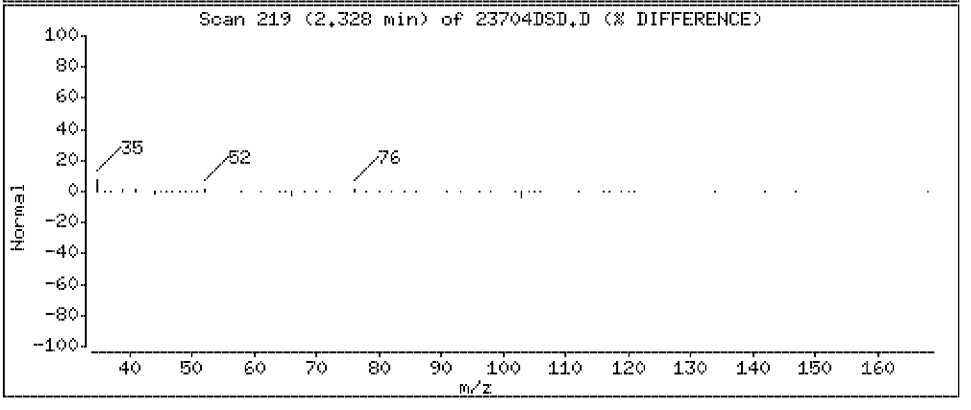
Column phase: RTX-502.2 Column diameter: 0.18

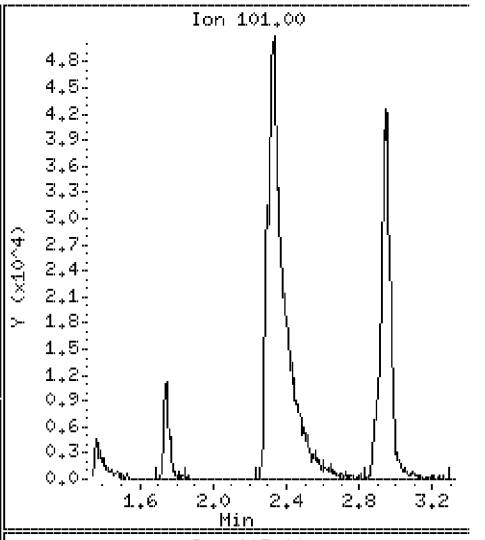
9 Trichlorofluoromethane Concentration: 98.5 ug/l

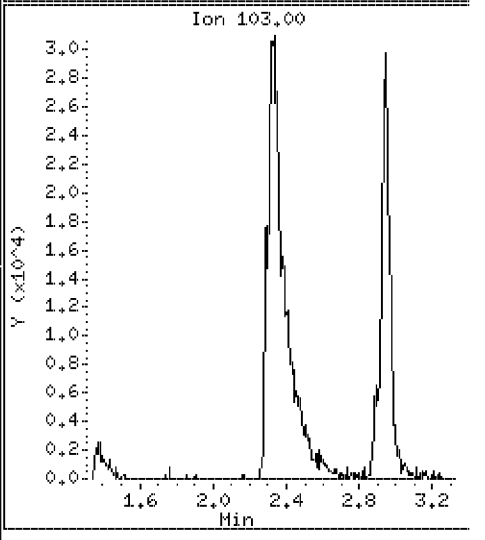












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Date : 27-JUL-2010 15:40

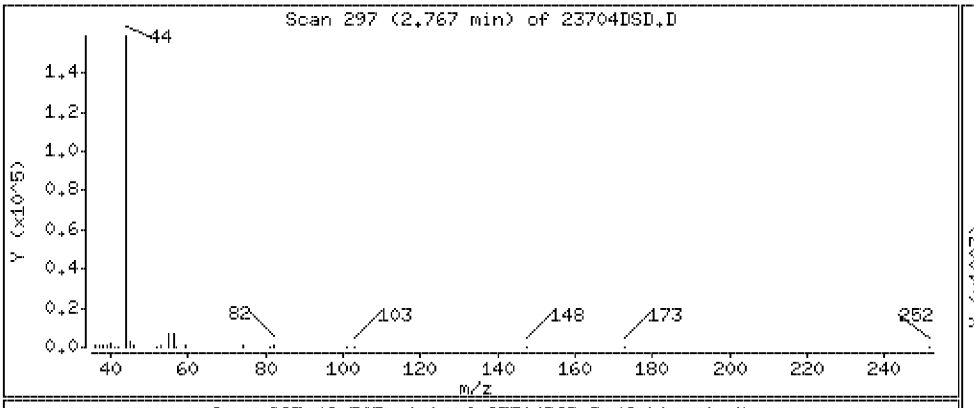
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

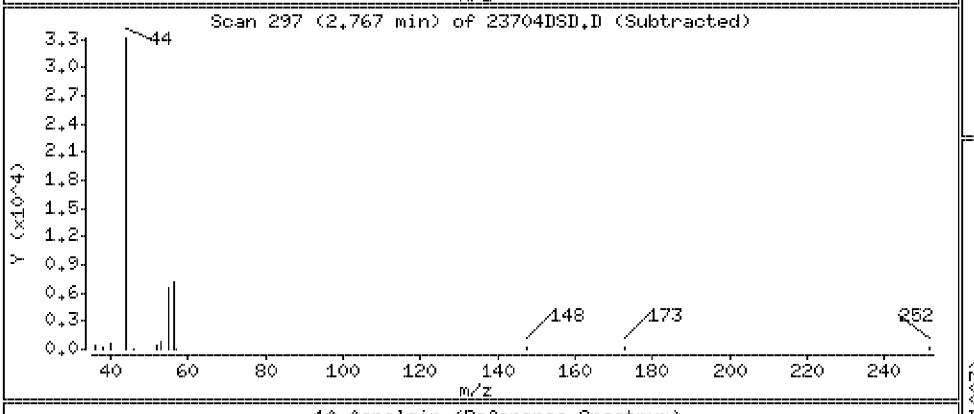
Sample Info: 350023704;3500237;5;

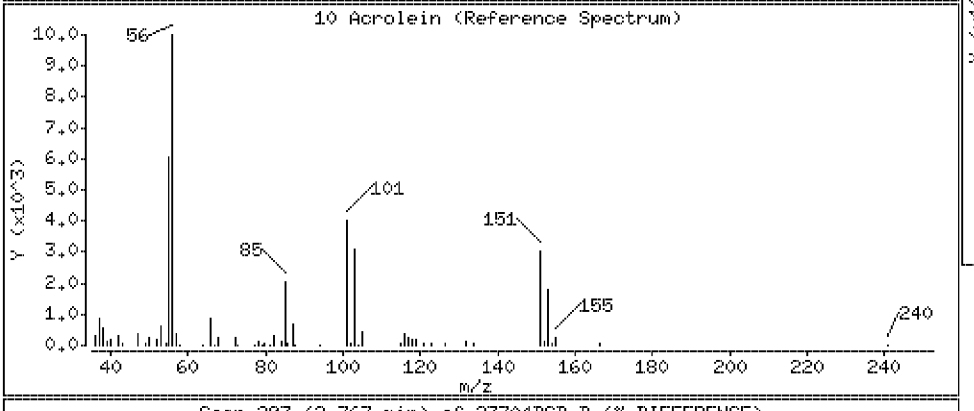
Purge Volume: 5.0 Operator:

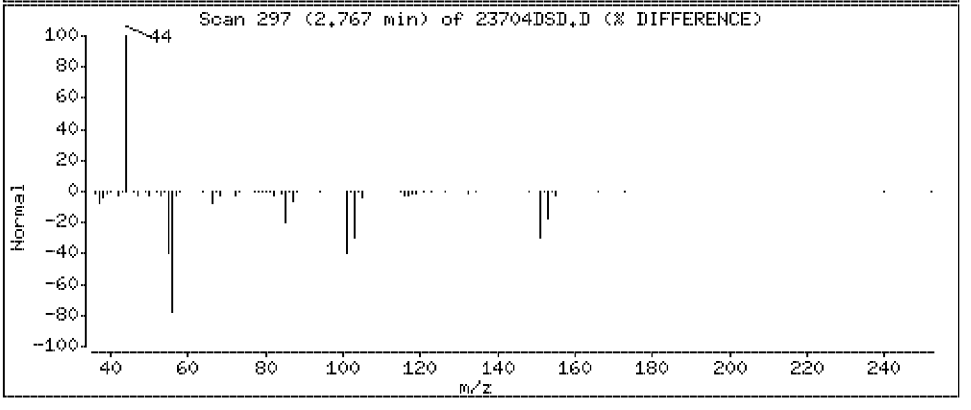
Column phase: RTX-502.2 Column diameter: 0.18

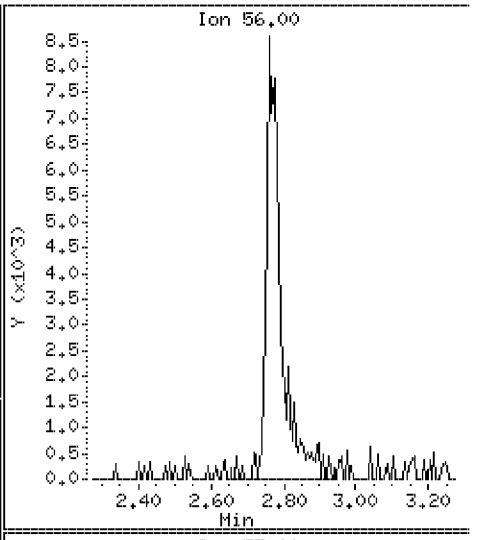
10 Acrolein Concentration: 134 ug/l

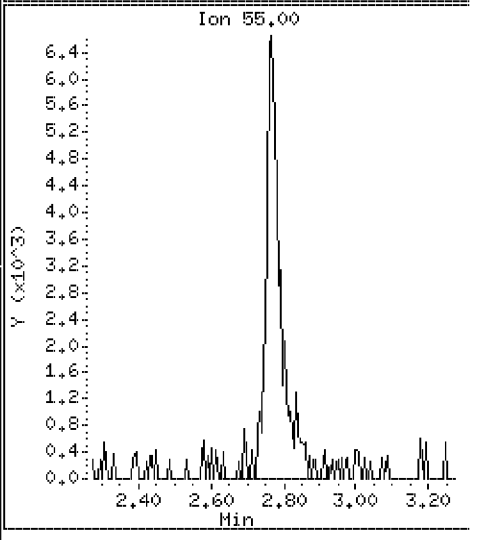












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

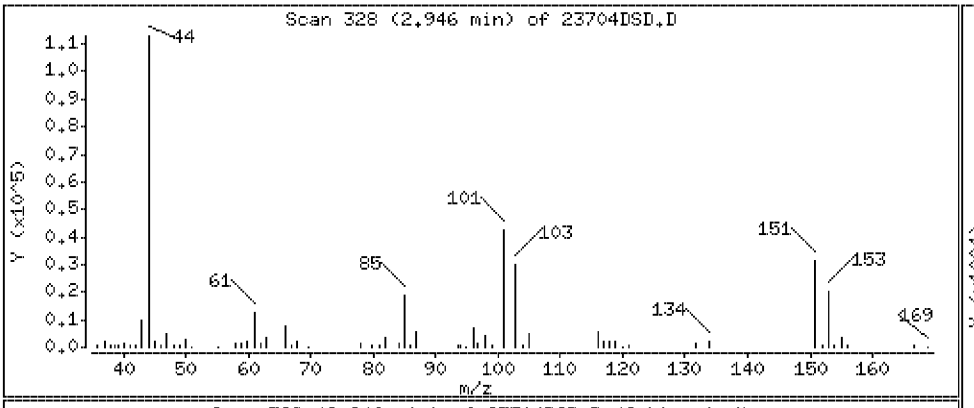
Operator:

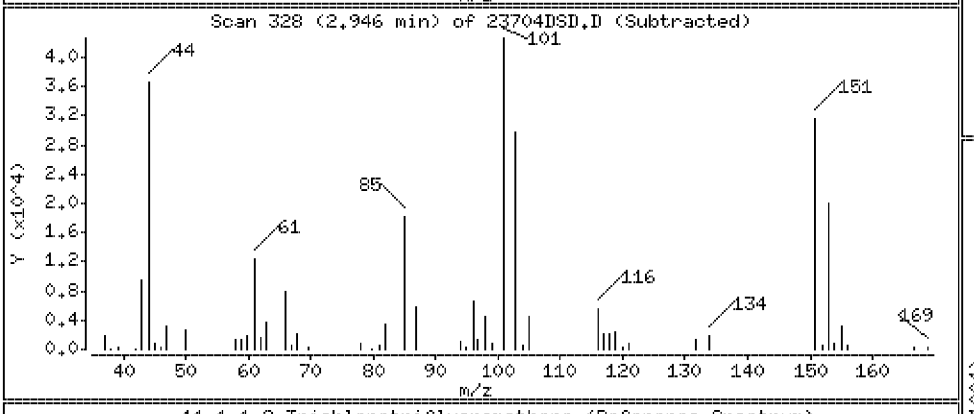
Column phase: RTX-502.2

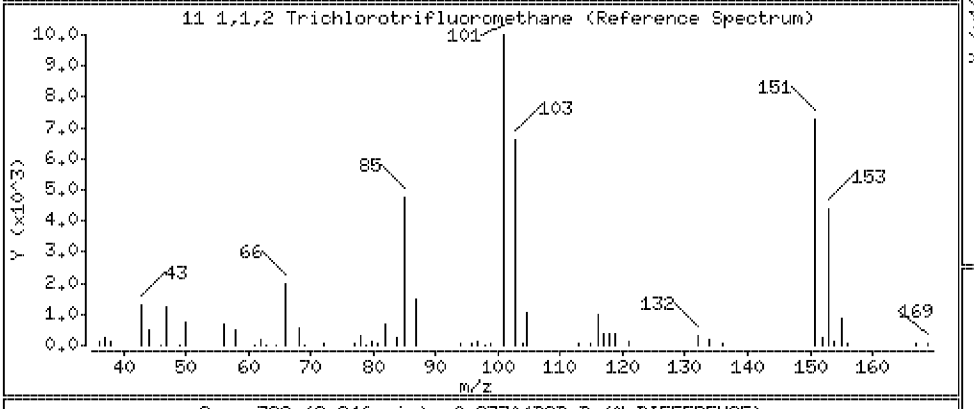
Column diameter: 0.18

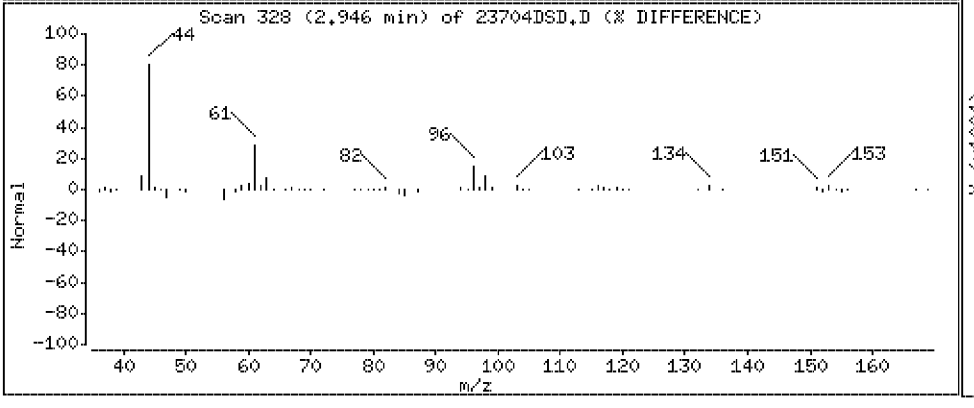
11 1,1,2 Trichlorotrifluoromethane

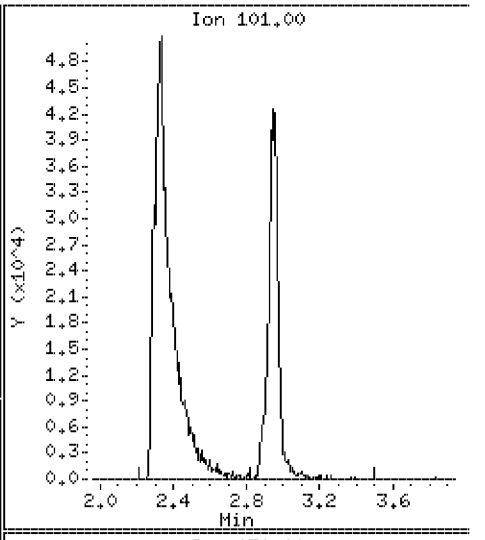
Concentration: 87.1 ug/l

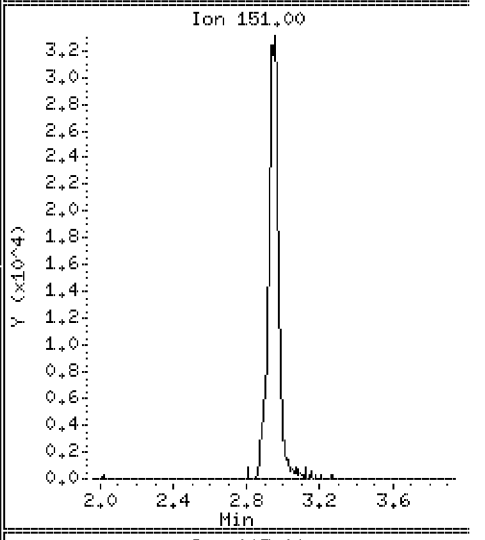


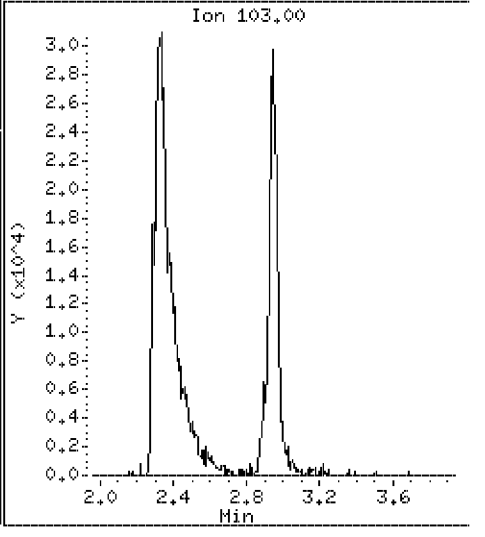












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

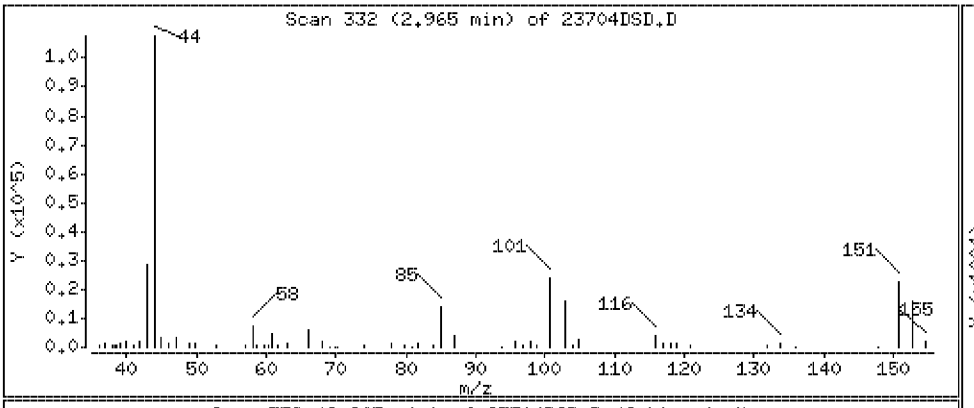
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

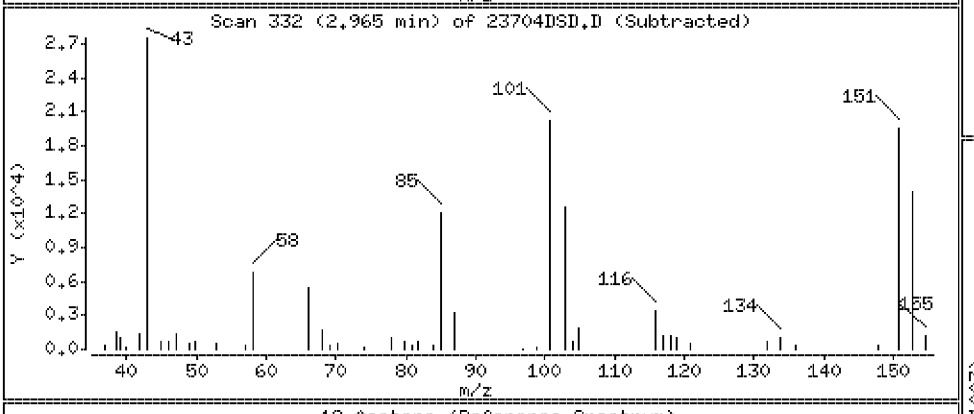
Sample Info: 350023704;3500237;5;

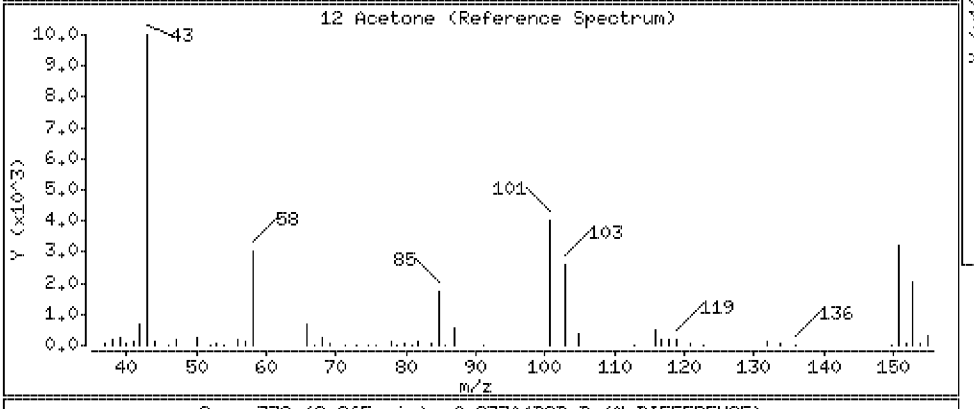
Purge Volume: 5.0 Operator:

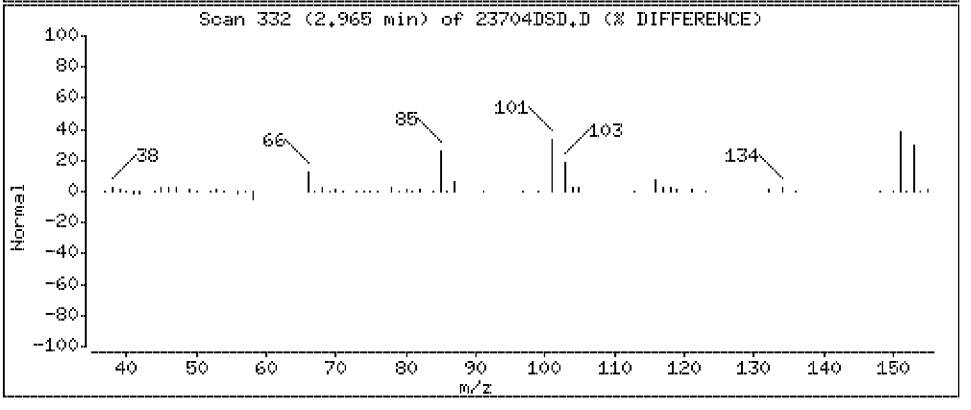
Column phase: RTX-502.2 Column diameter: 0.18

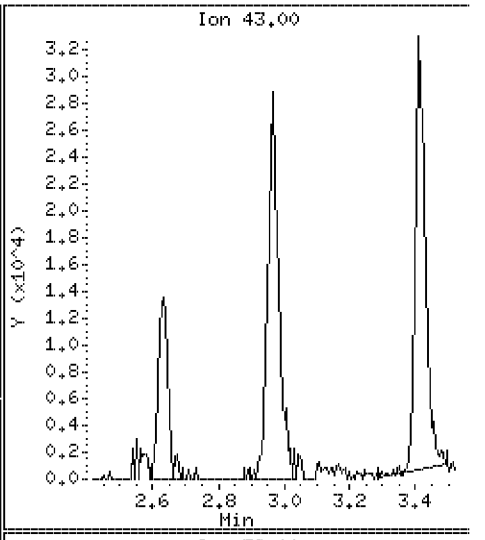
12 Acetone Concentration: 139 ug/l

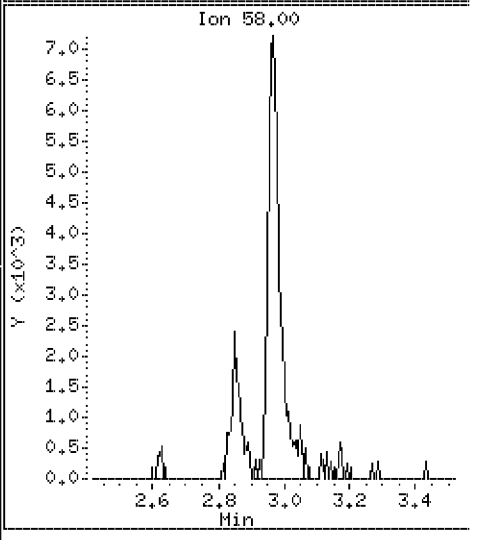












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Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

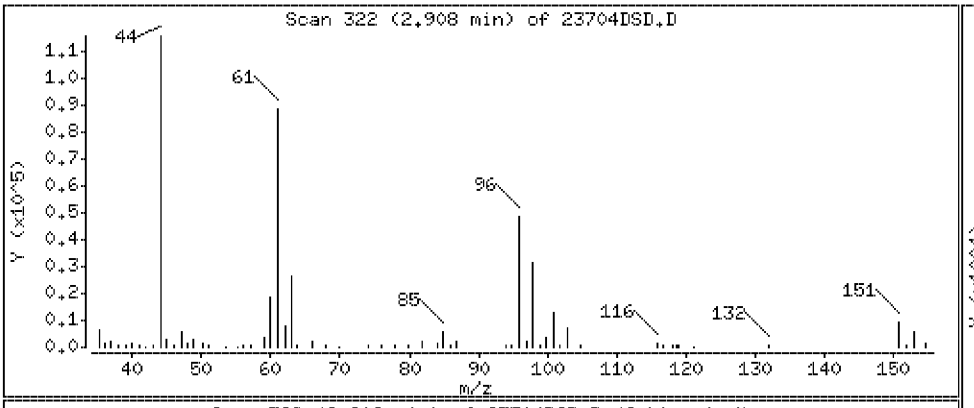
Operator:

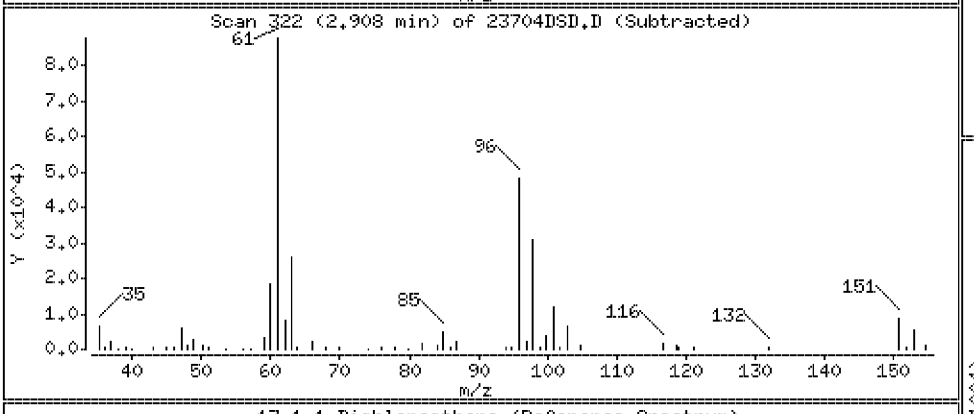
Column phase: RTX-502.2

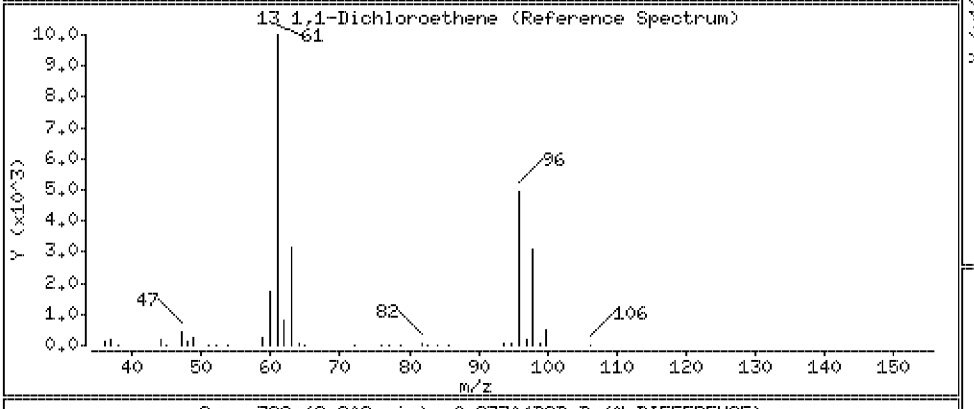
Column diameter: 0.18

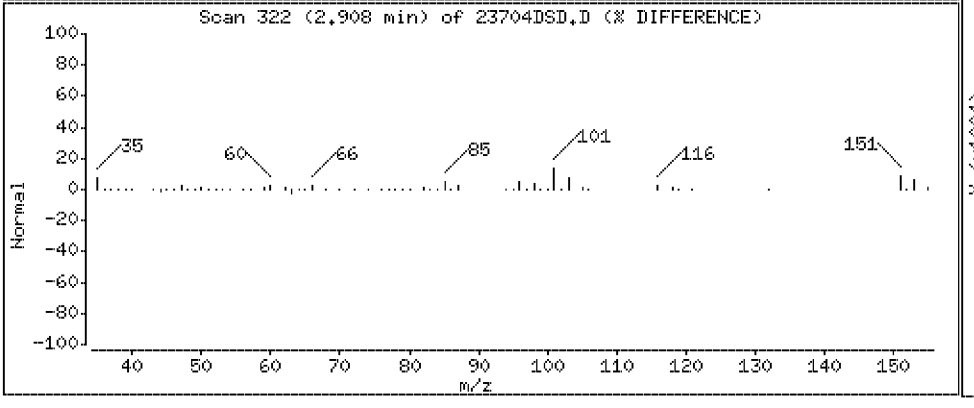
13 1,1-Dichloroethene

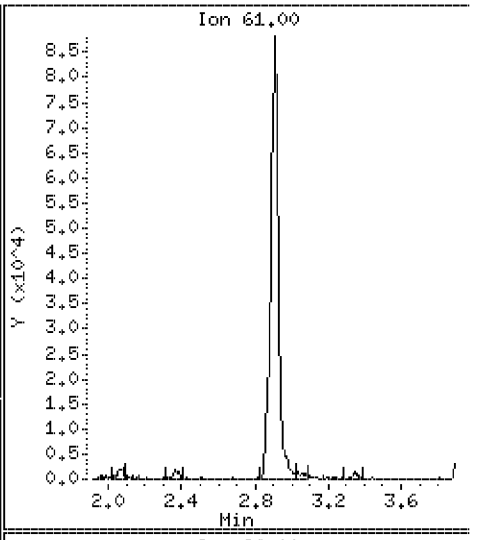
Concentration: 86.9 ug/l

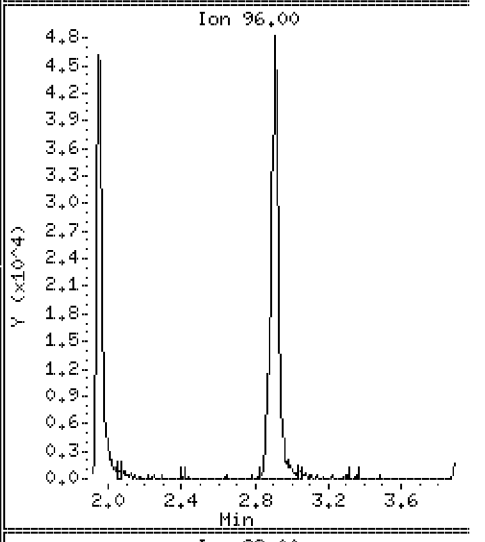


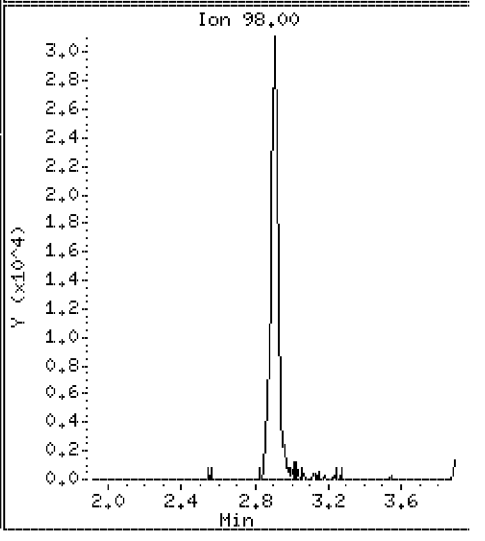












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

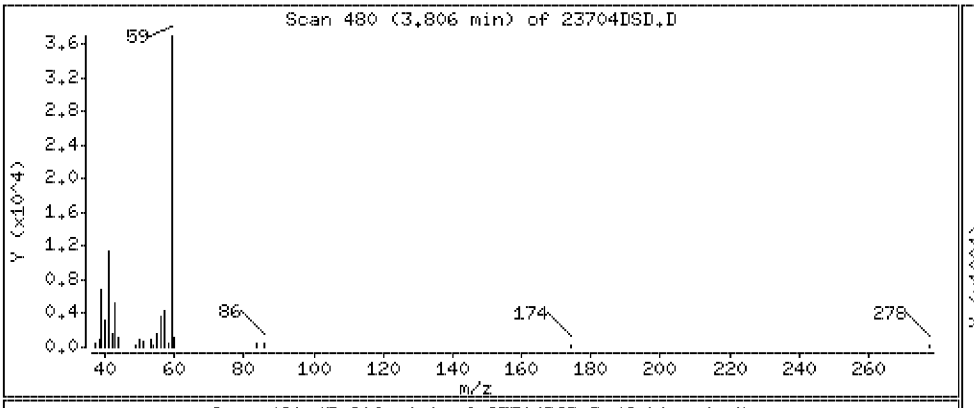
Operator:

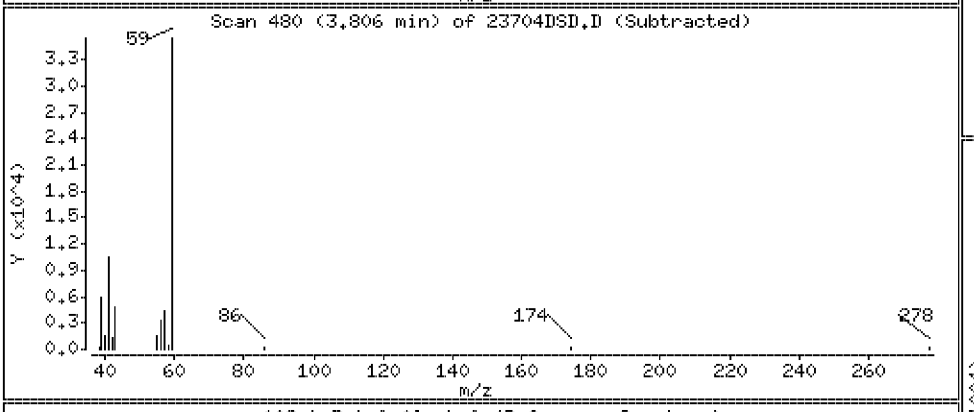
Column phase: RTX-502.2

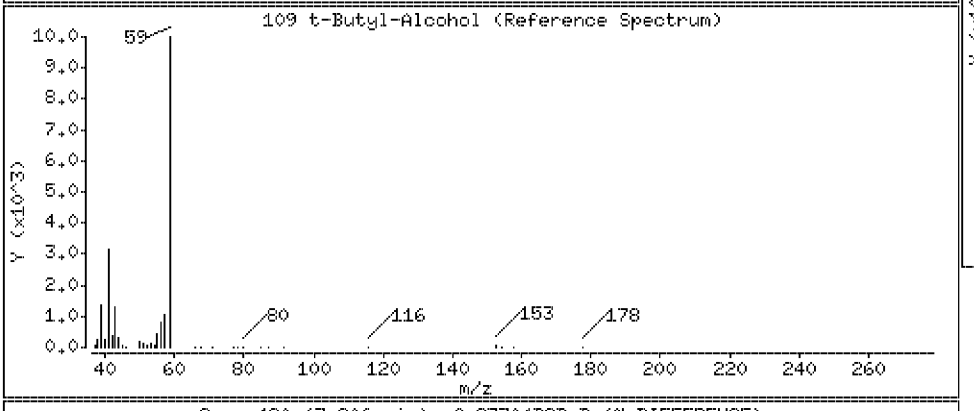
Column diameter: 0.18

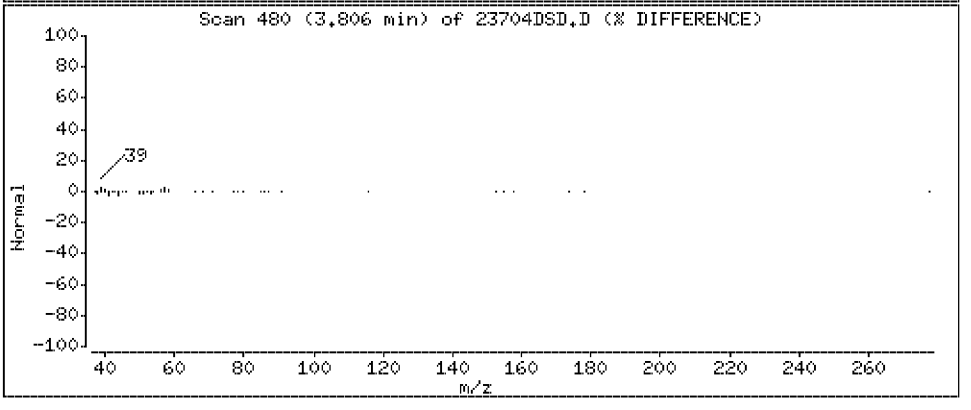
109 t-Butyl-Alcohol

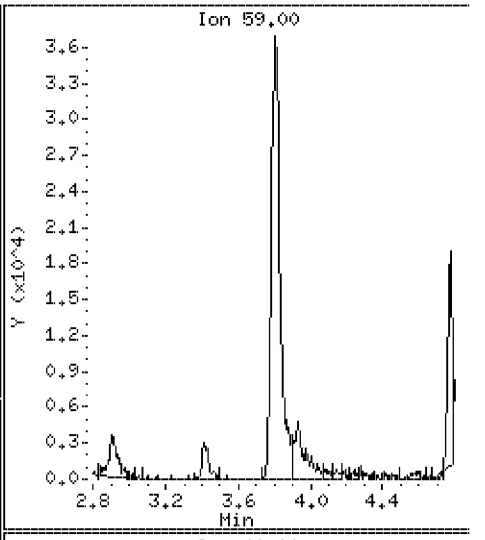
Concentration: 911 ug/l

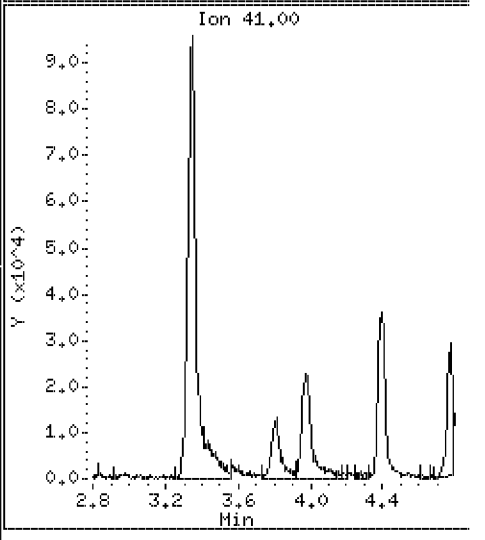












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

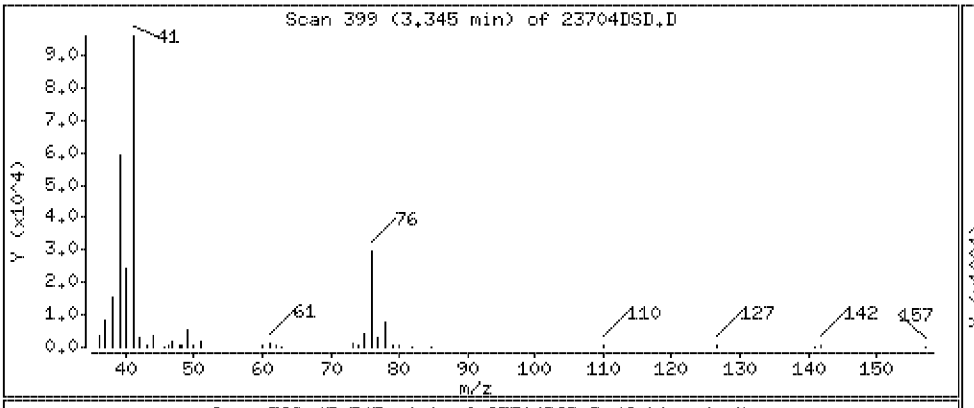
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

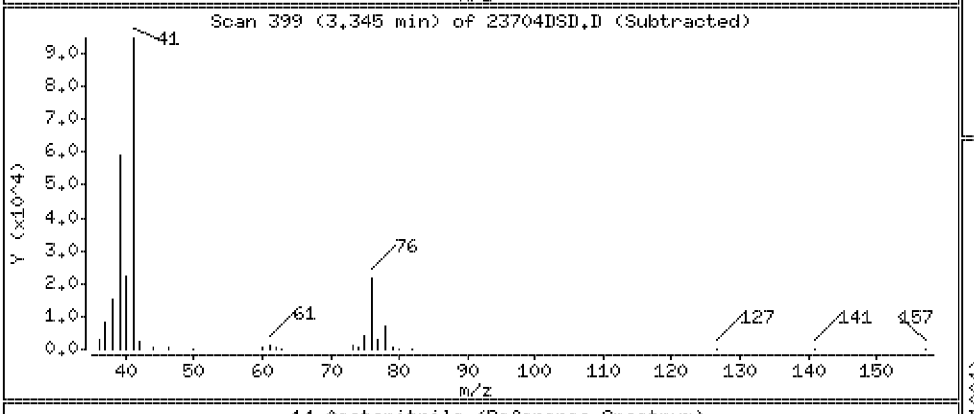
Sample Info: 350023704;3500237;5;

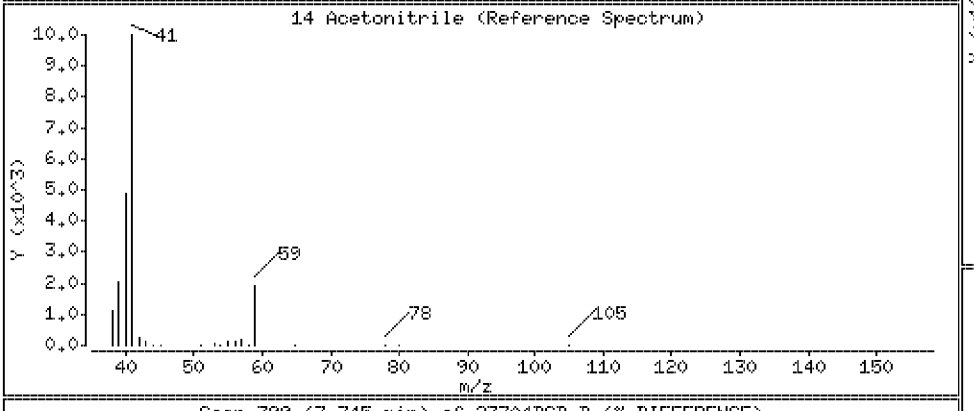
Purge Volume: 5.0 Operator:

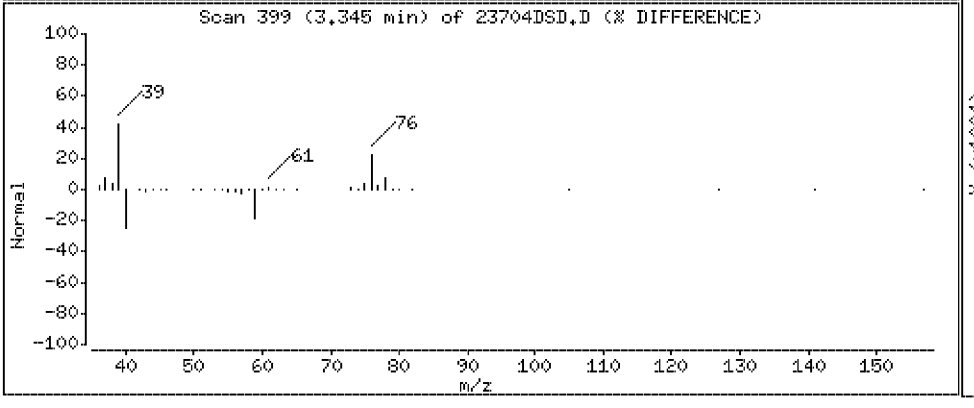
Column phase: RTX-502.2 Column diameter: 0.18

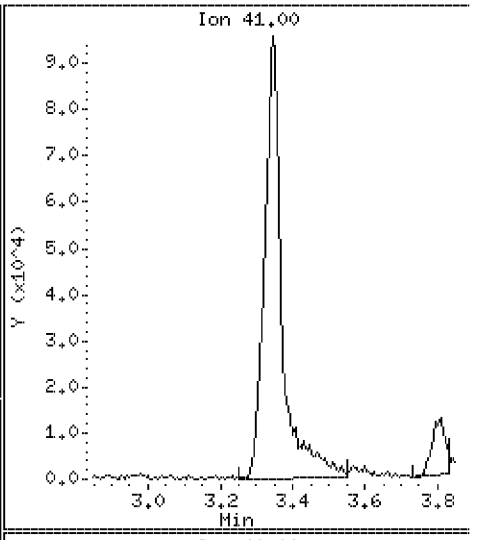
14 Acetonitrile Concentration: 830 ug/l

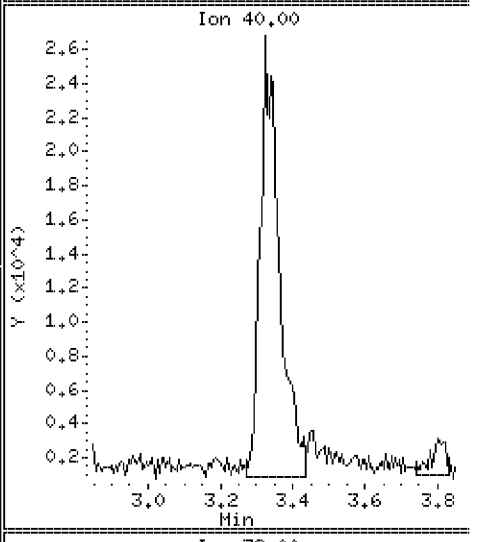


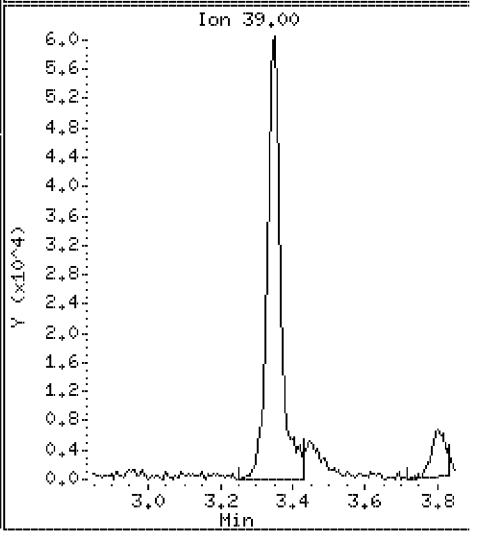












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

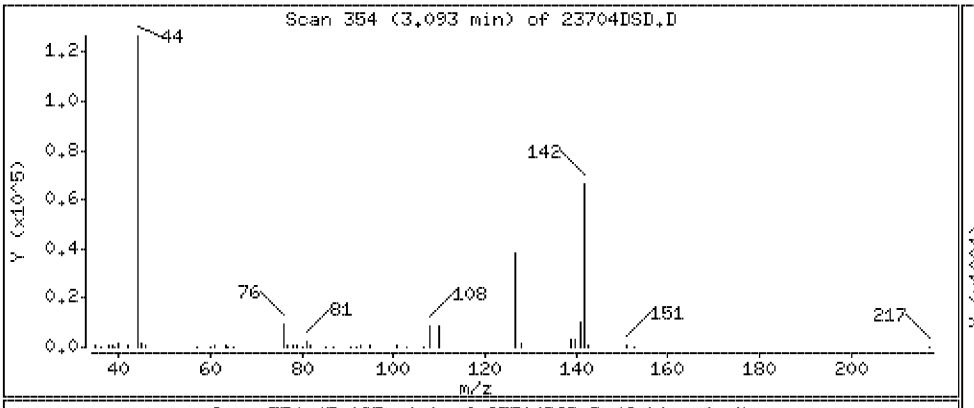
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

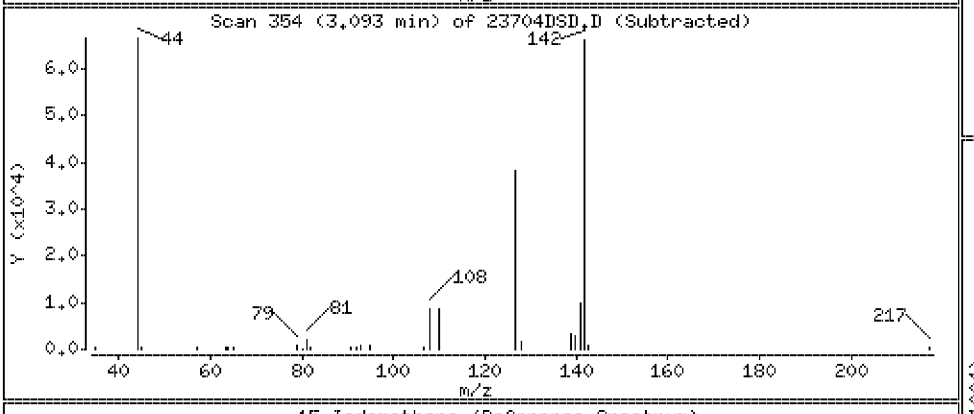
Sample Info: 350023704;3500237;5;

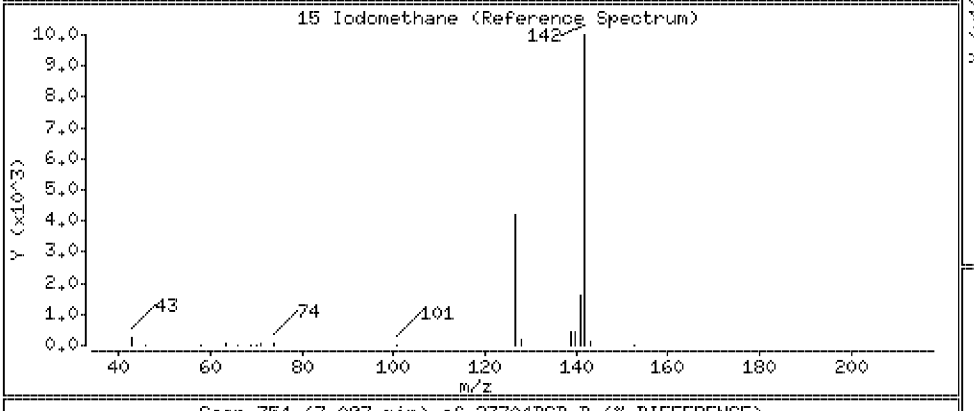
Purge Volume: 5.0 Operator:

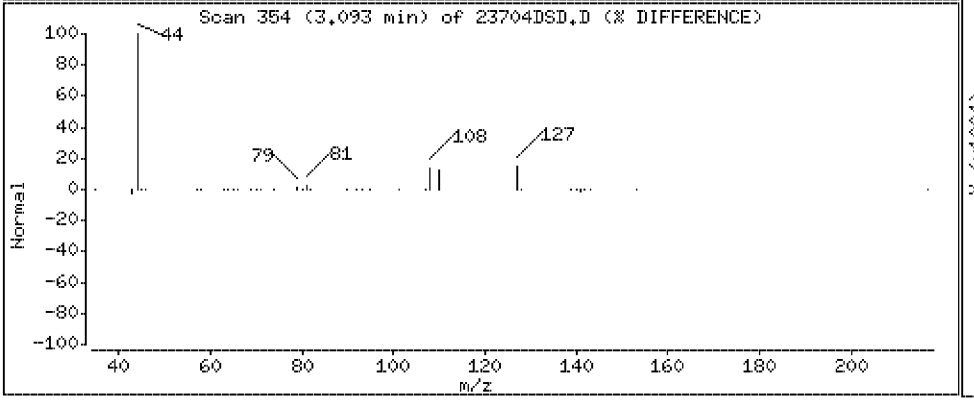
Column phase: RTX-502.2 Column diameter: 0.18

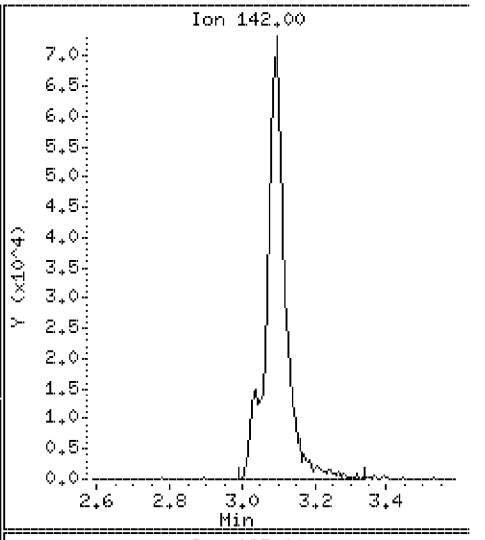
15 Iodomethane Concentration: 93.5 ug/l

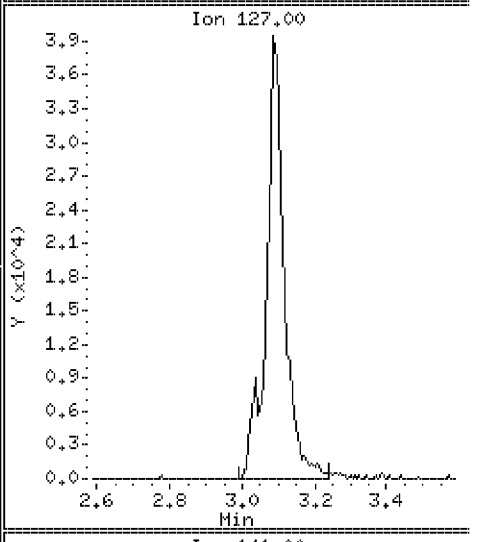


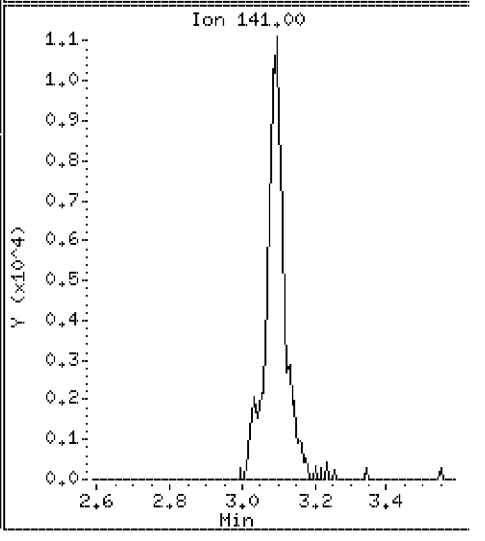












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

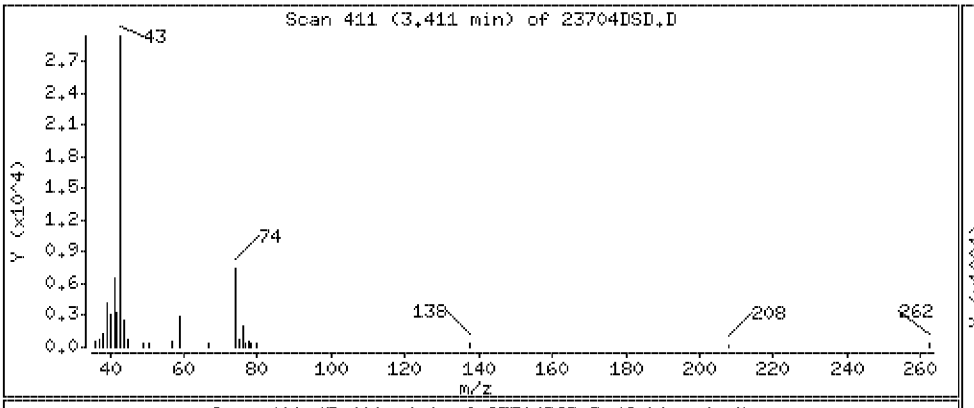
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

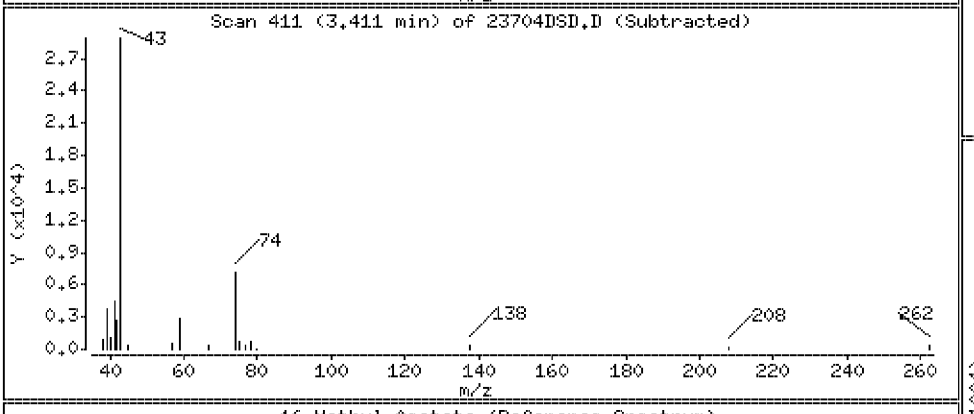
Sample Info: 350023704;3500237;5;

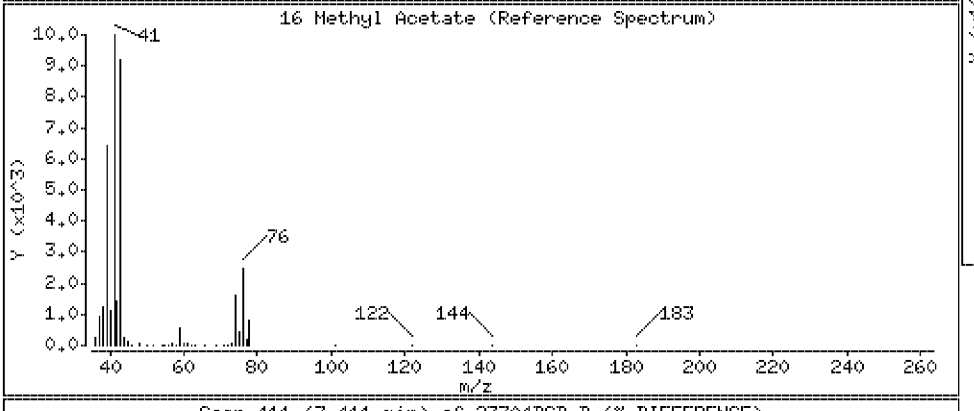
Purge Volume: 5.0 Operator:

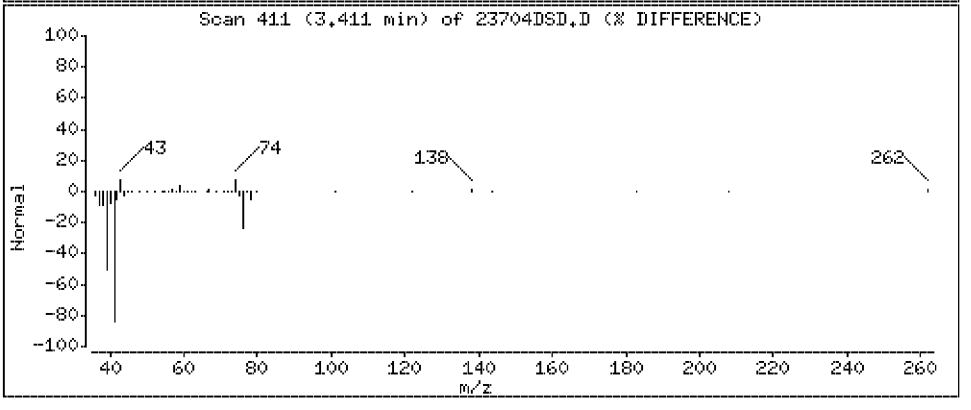
Column phase: RTX-502.2 Column diameter: 0.18

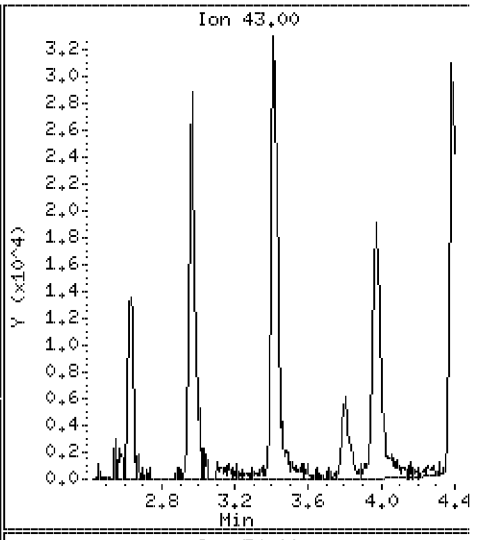
16 Methyl Acetate Concentration: 70.2 ug/l

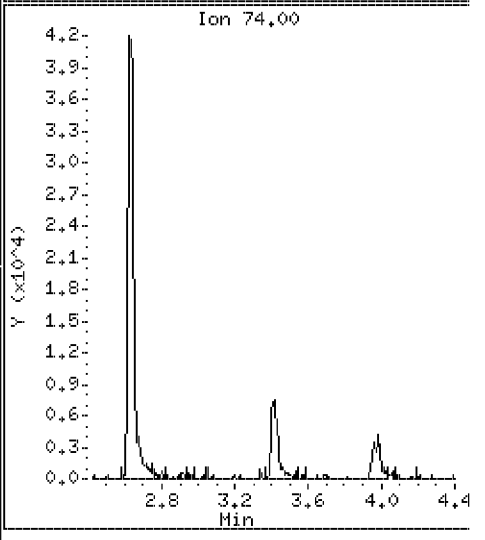












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

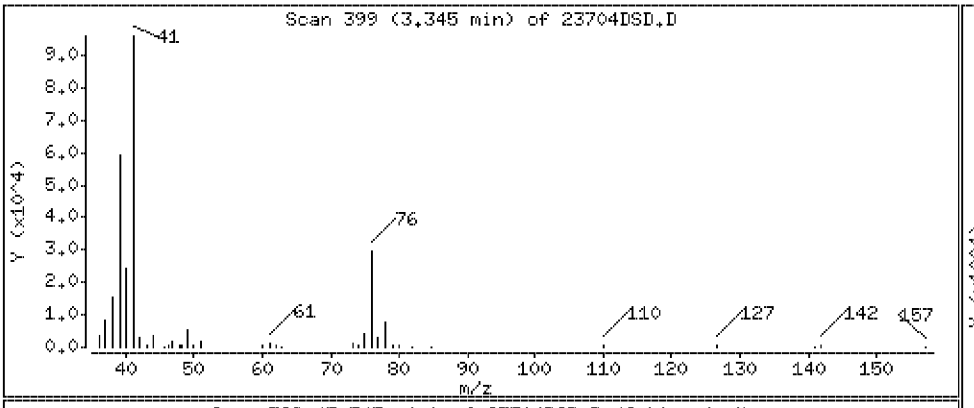
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

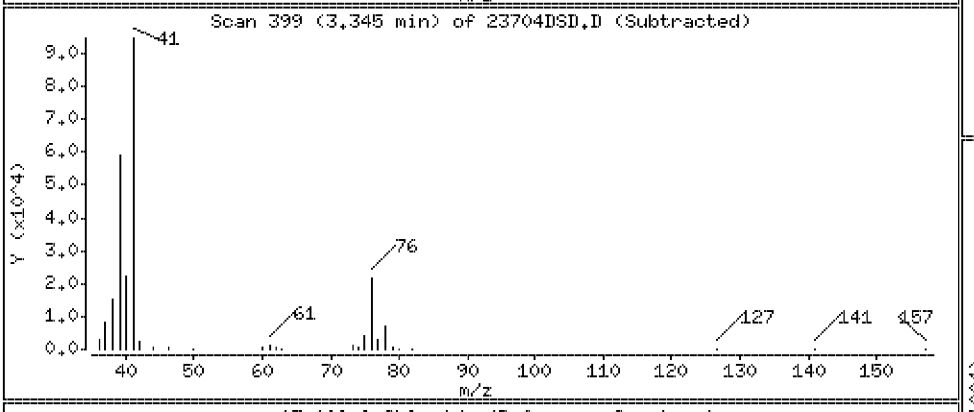
Sample Info: 350023704;3500237;5;

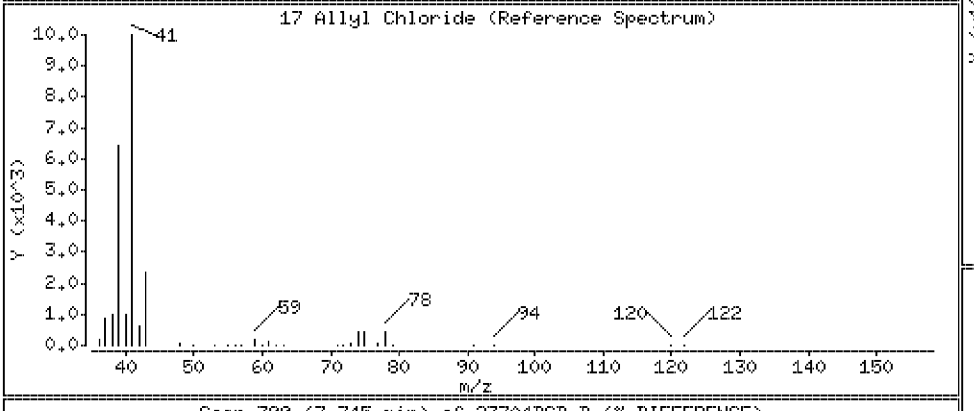
Purge Volume: 5.0 Operator:

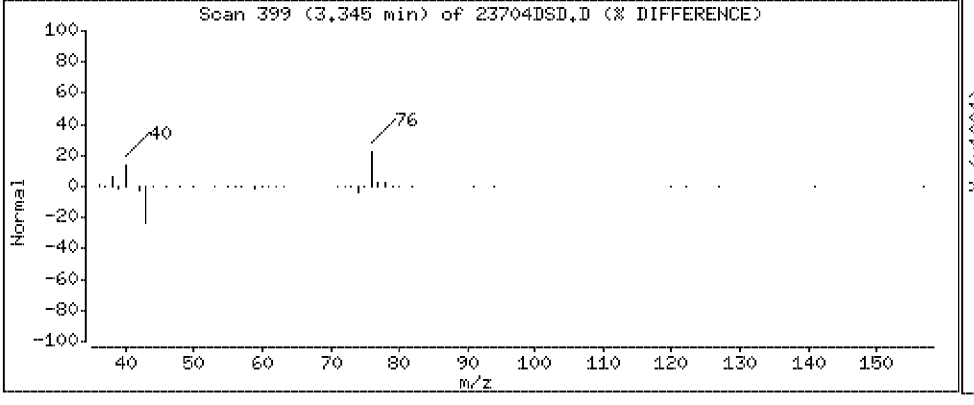
Column phase: RTX-502.2 Column diameter: 0.18

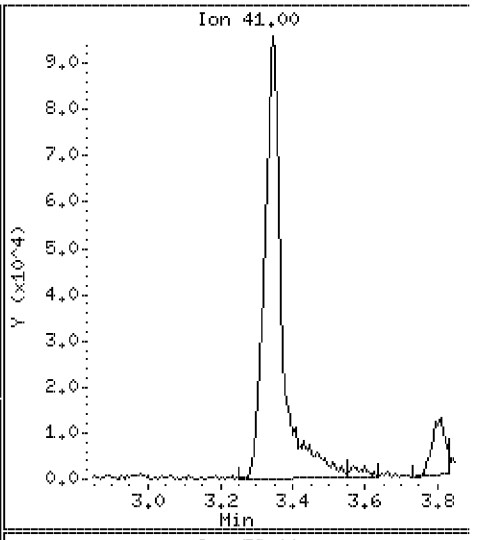
17 Allyl Chloride Concentration: 84.3 ug/l

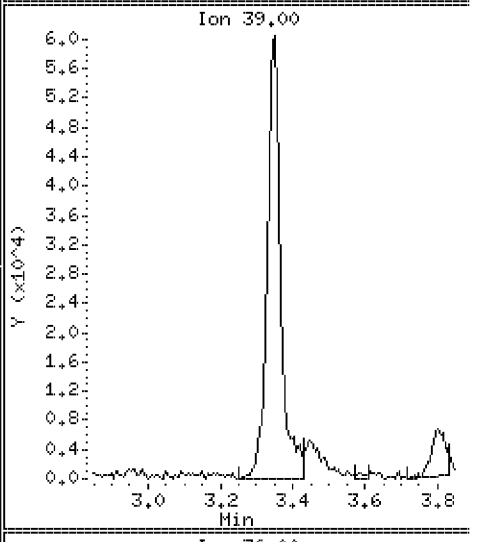


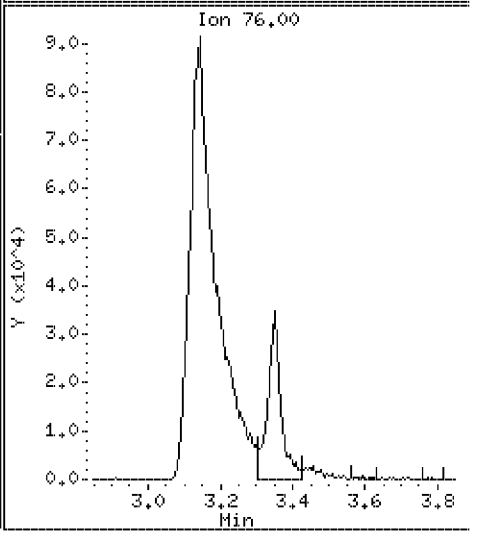












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

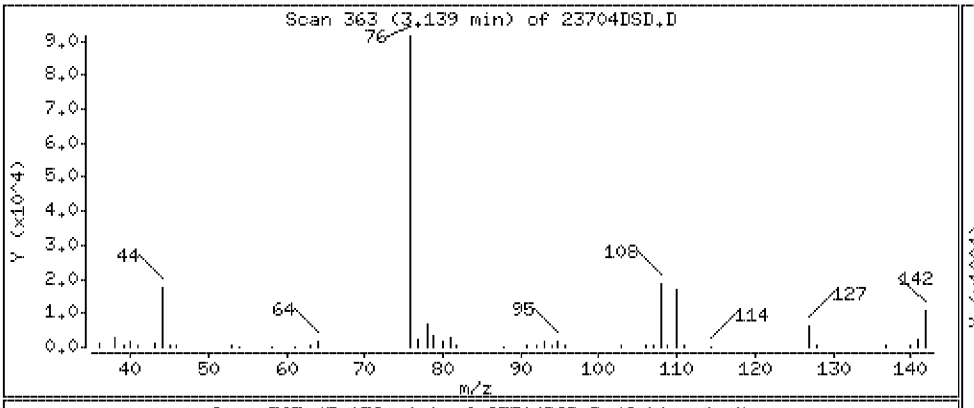
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

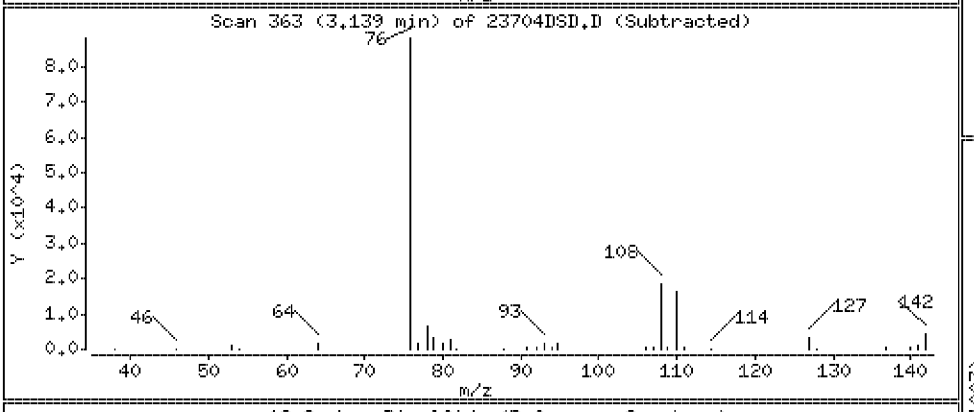
Sample Info: 350023704;3500237;5;

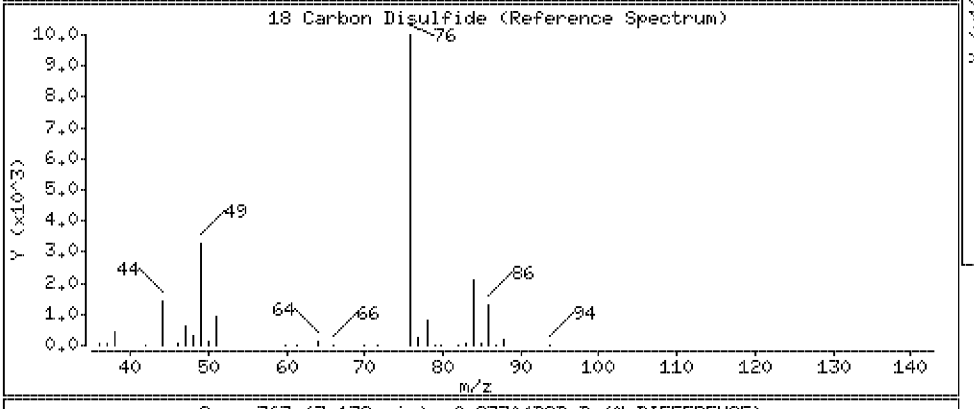
Purge Volume: 5.0 Operator:

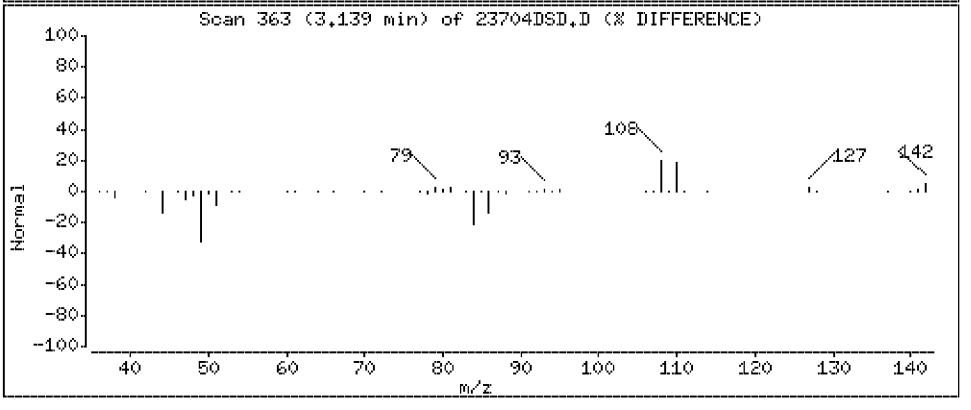
Column phase: RTX-502.2 Column diameter: 0.18

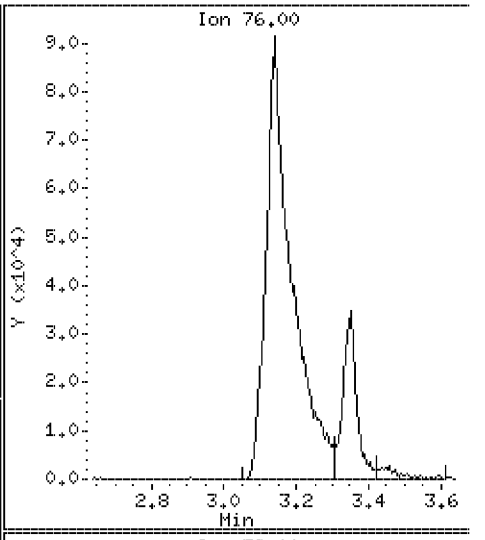
18 Carbon Disulfide Concentration: 89.9 ug/l

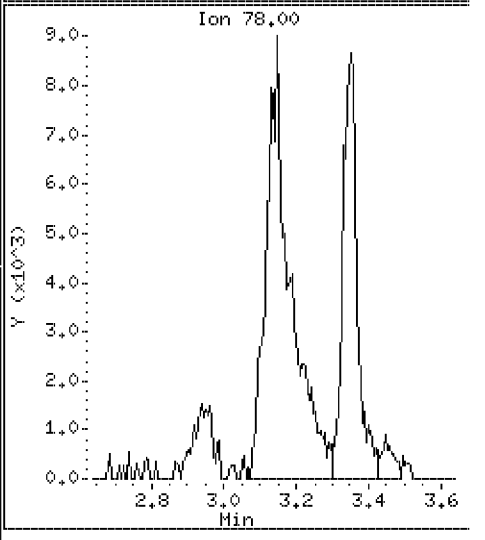












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

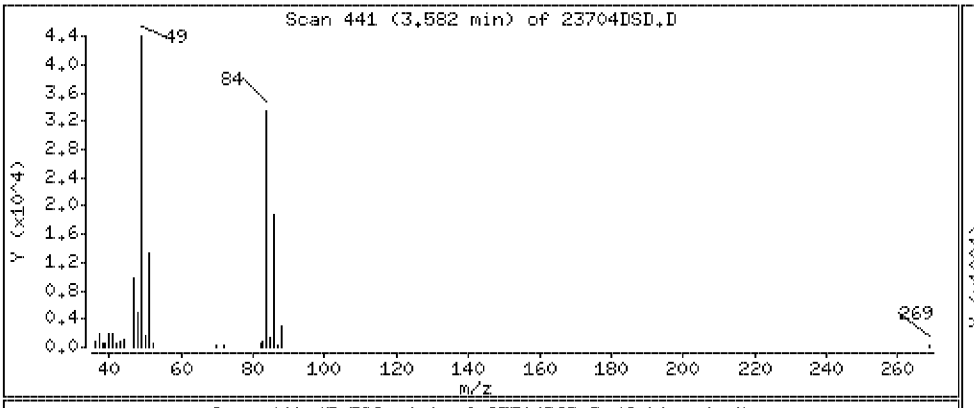
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

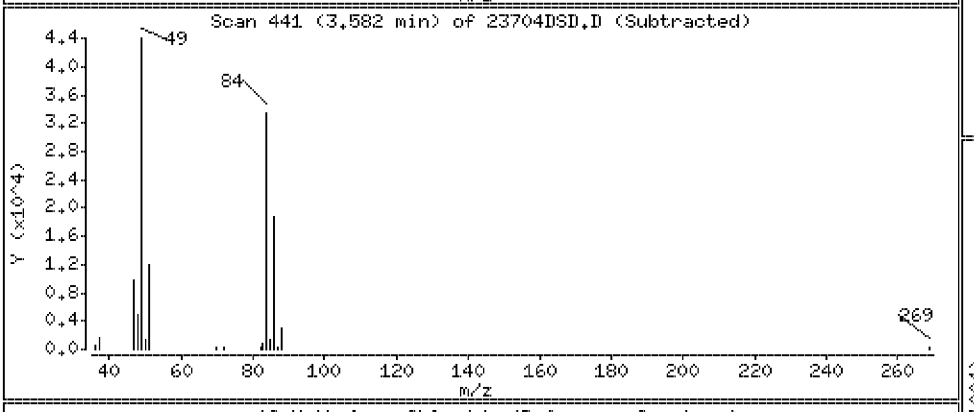
Sample Info: 350023704;3500237;5;

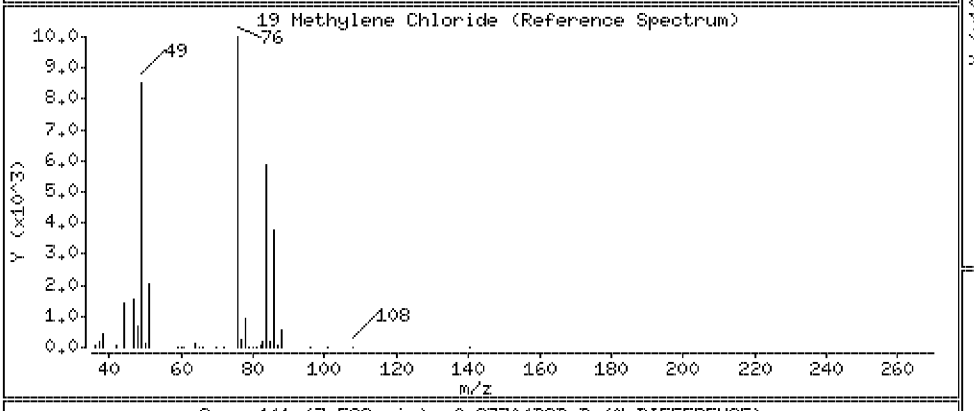
Purge Volume: 5.0 Operator:

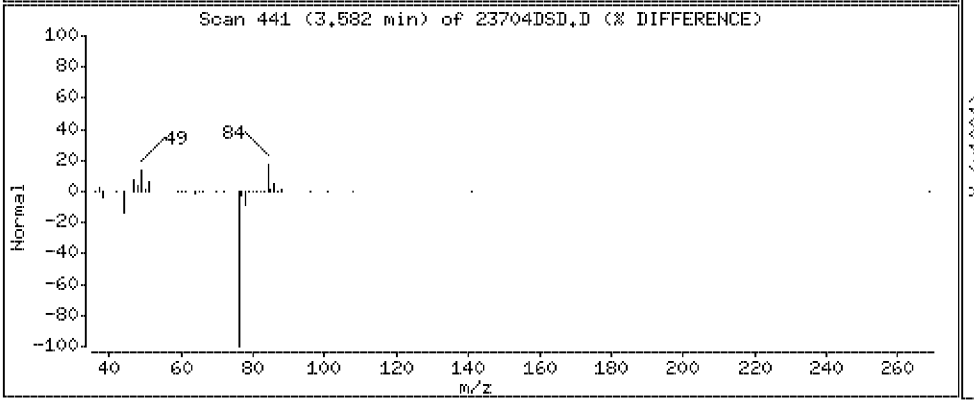
Column phase: RTX-502.2 Column diameter: 0.18

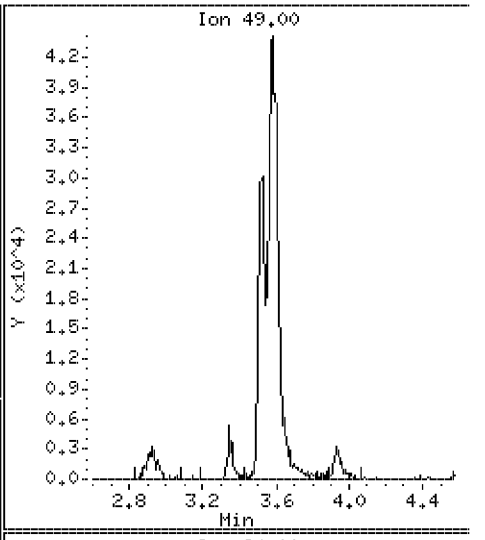
19 Methylene Chloride Concentration: 75.0 ug/l

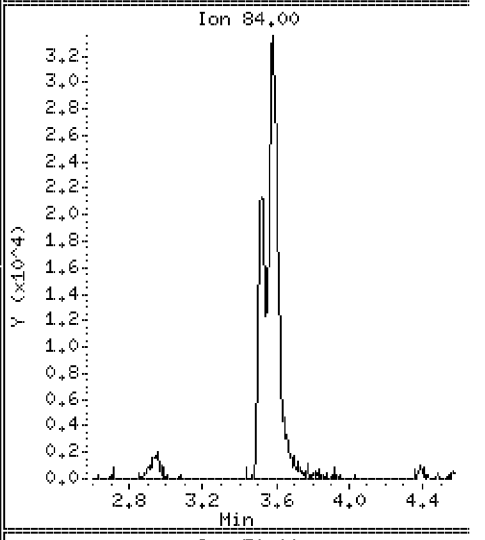


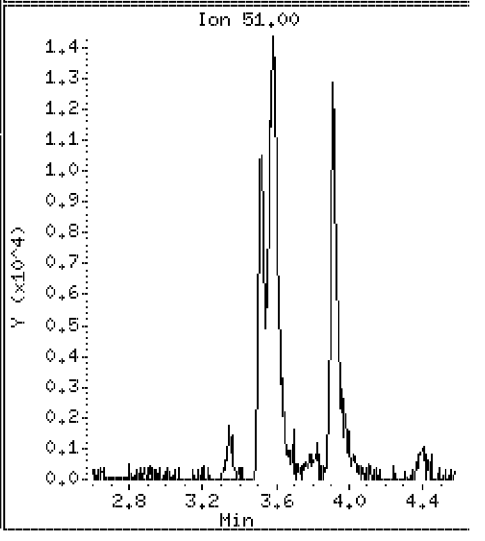












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

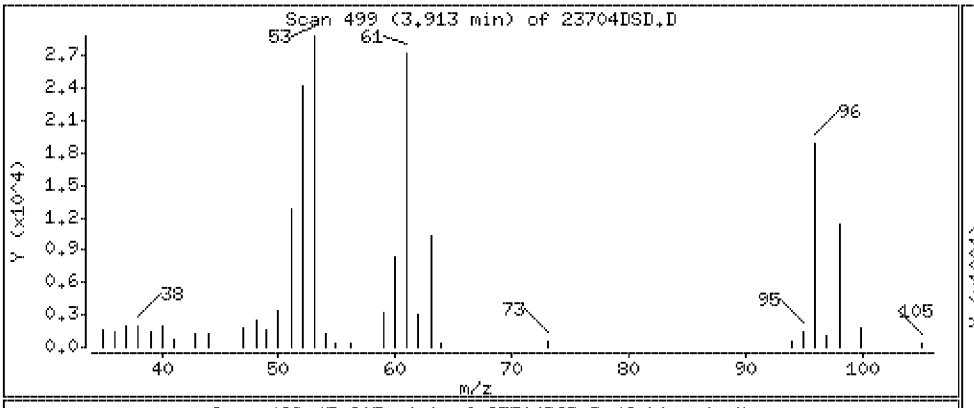
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

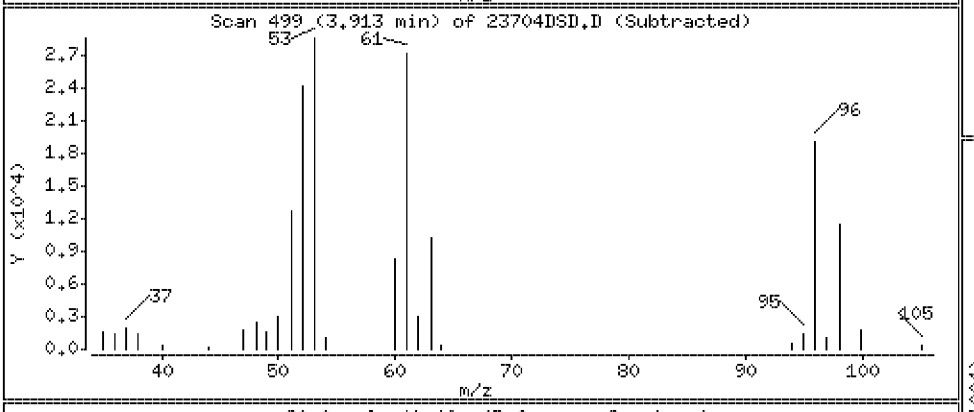
Sample Info: 350023704;3500237;5;

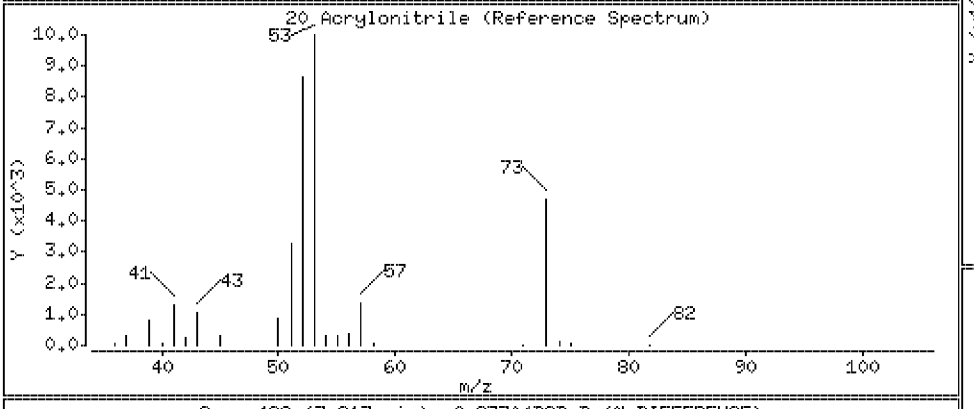
Purge Volume: 5.0 Operator:

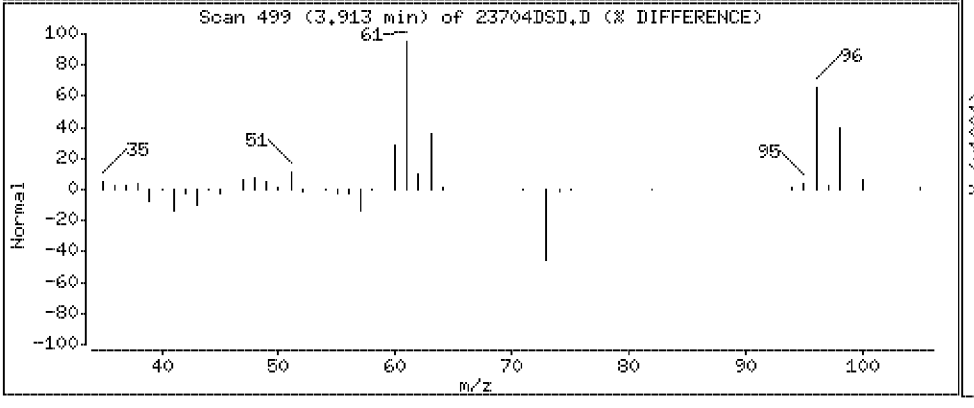
Column phase: RTX-502.2 Column diameter: 0.18

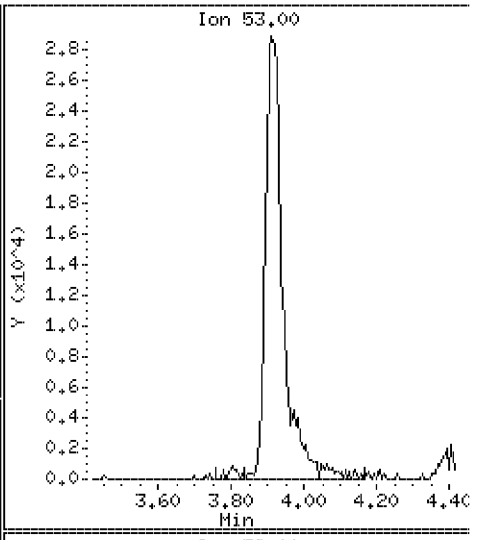
20 Acrylonitrile Concentration: 151 ug/l

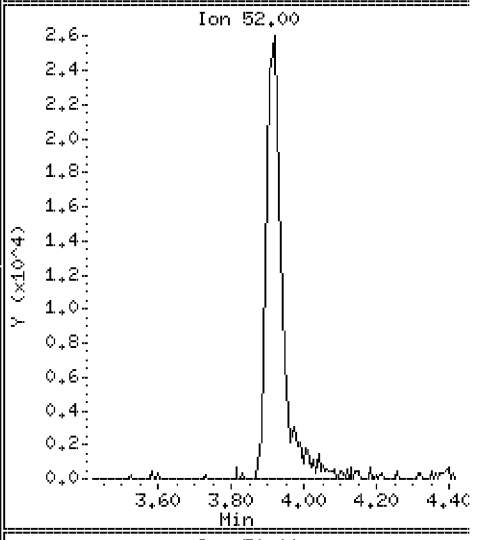


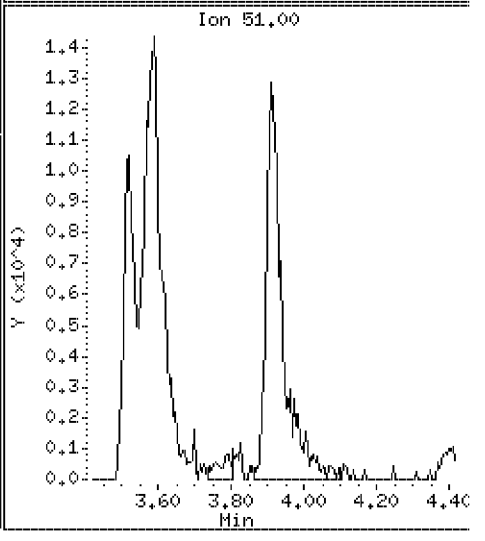












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

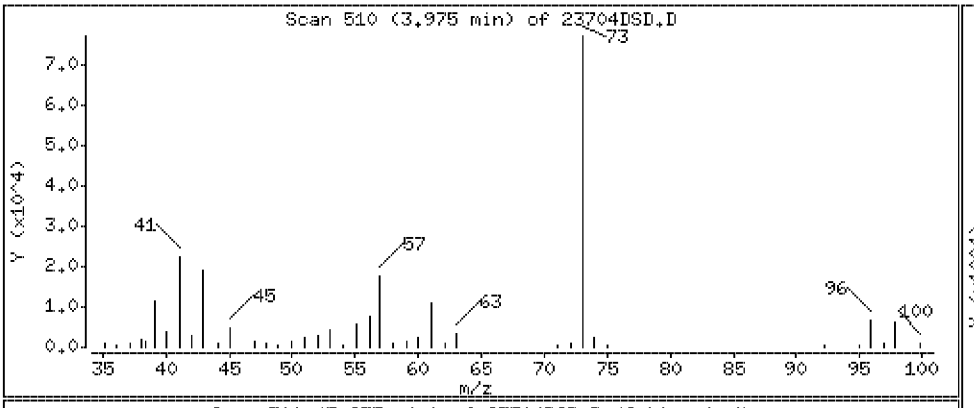
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

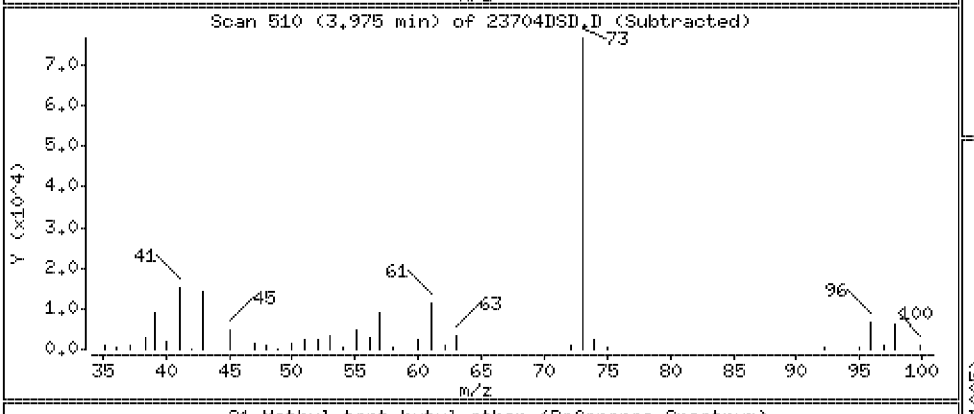
Sample Info: 350023704;3500237;5;

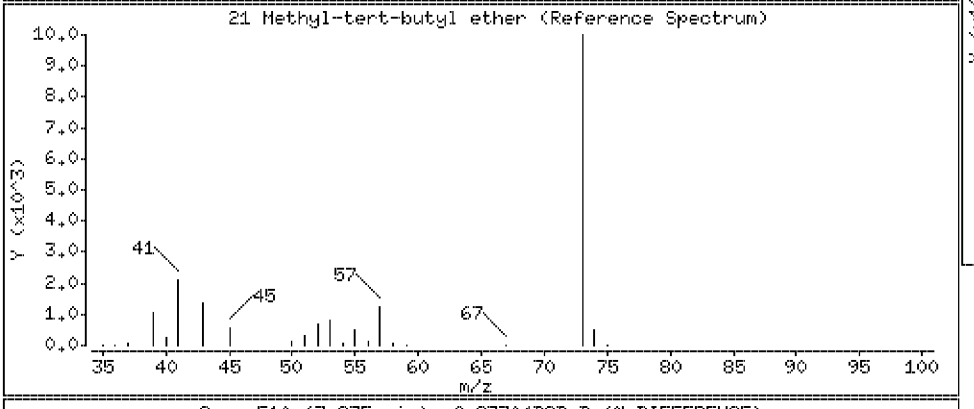
Purge Volume: 5.0 Operator:

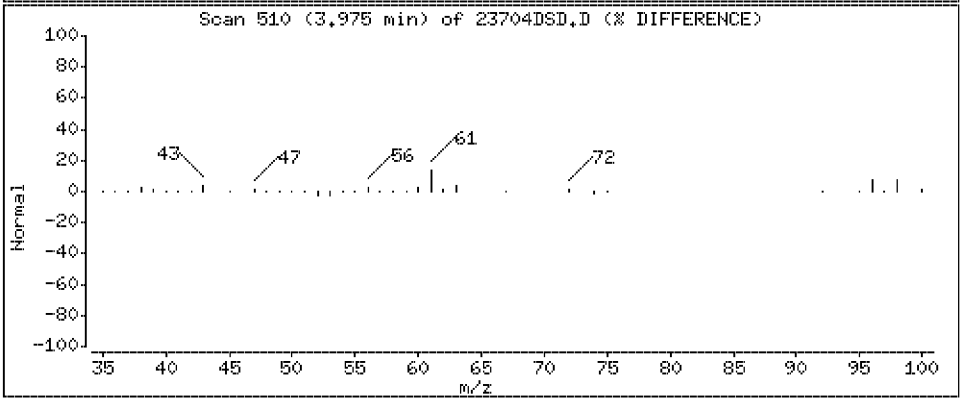
Column phase: RTX-502.2 Column diameter: 0.18

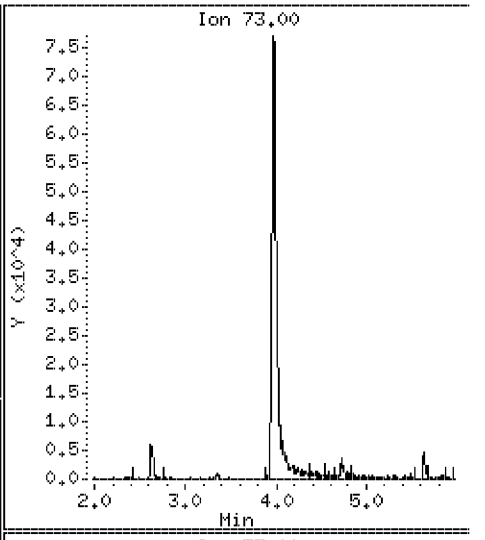
21 Methyl-tert-butyl ether Concentration: 78.6 ug/l

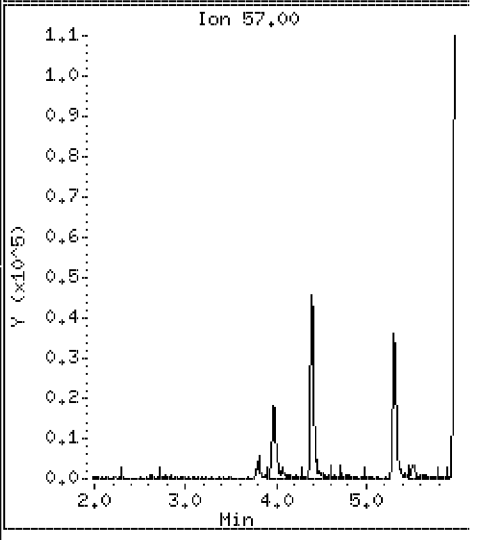












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Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

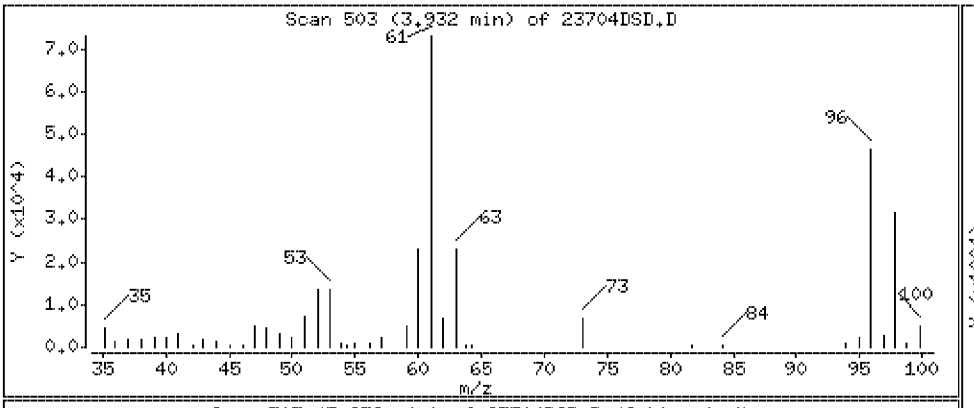
Operator:

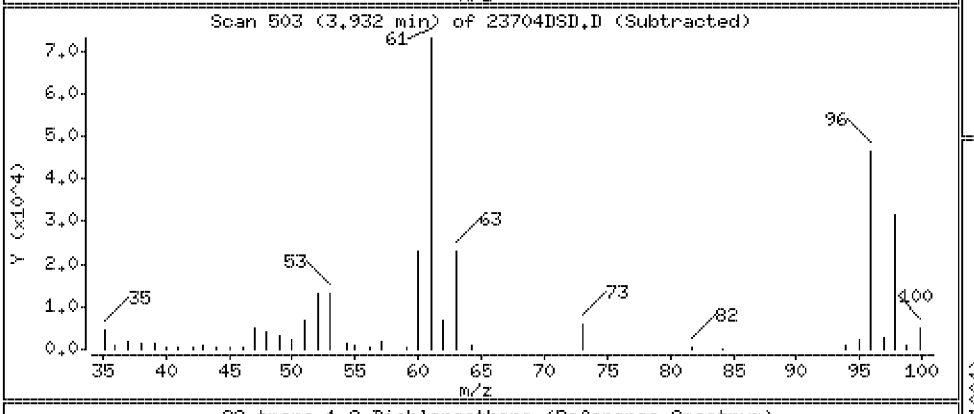
Column phase: RTX-502.2

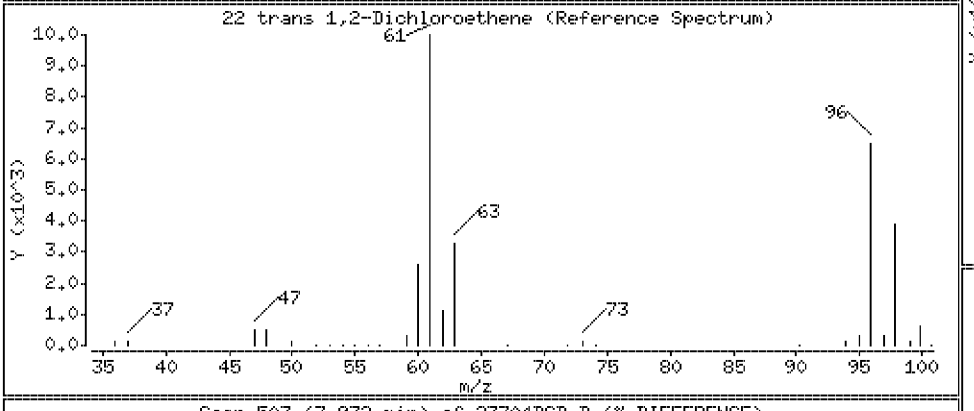
Column diameter: 0.18

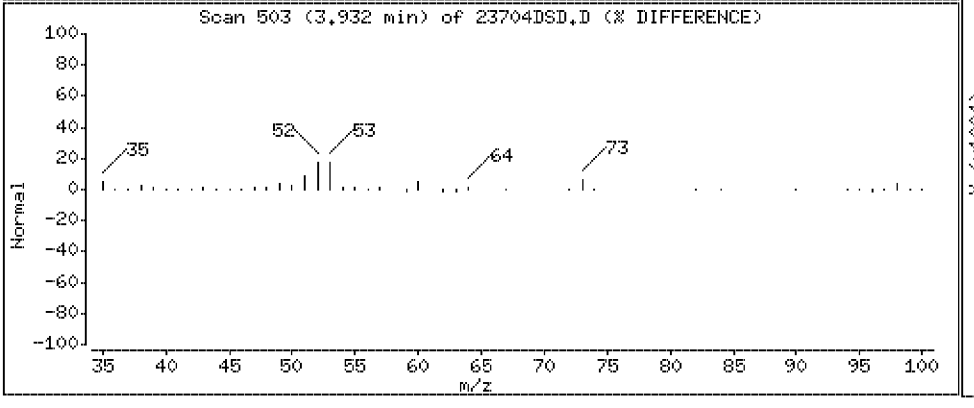
22 trans 1,2-Dichloroethene

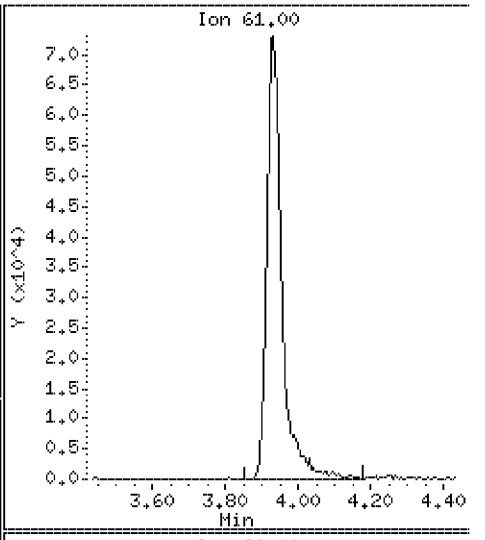
Concentration: 78.6 ug/l

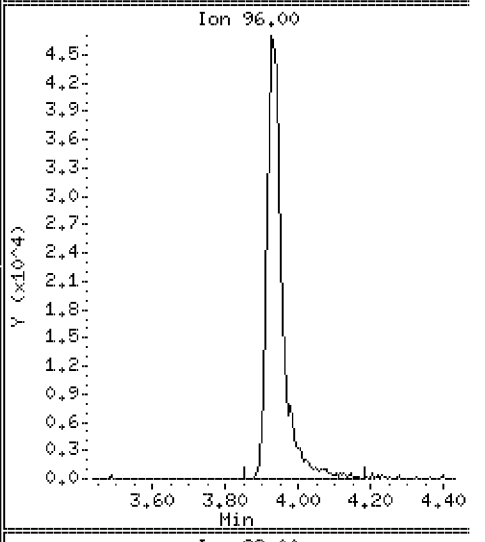


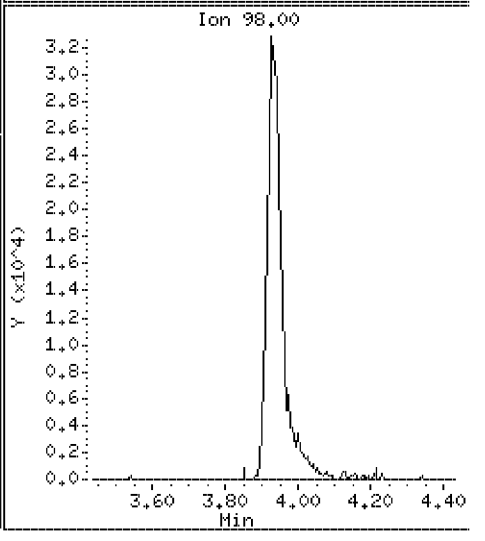












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

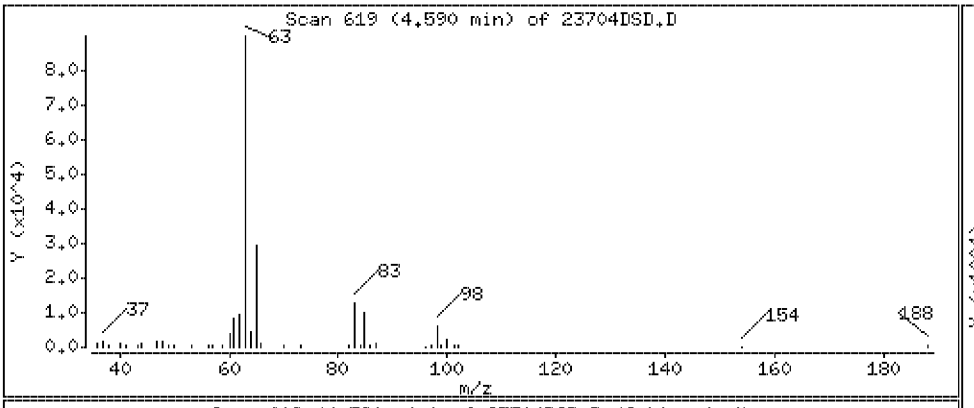
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

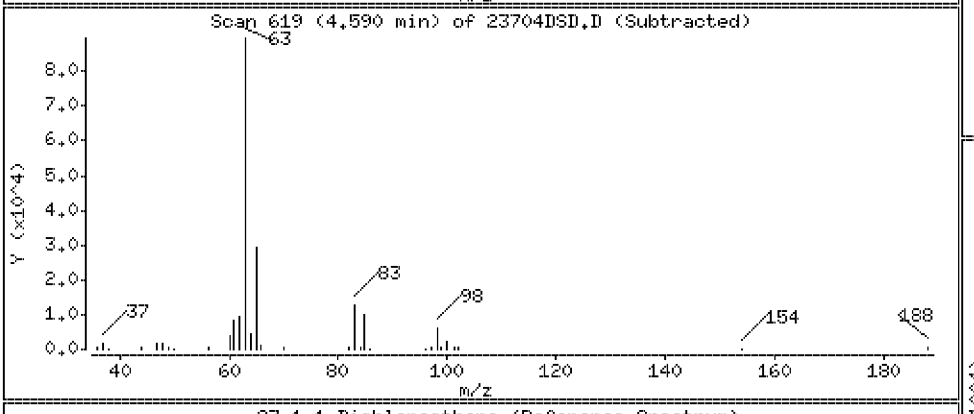
Sample Info: 350023704;3500237;5;

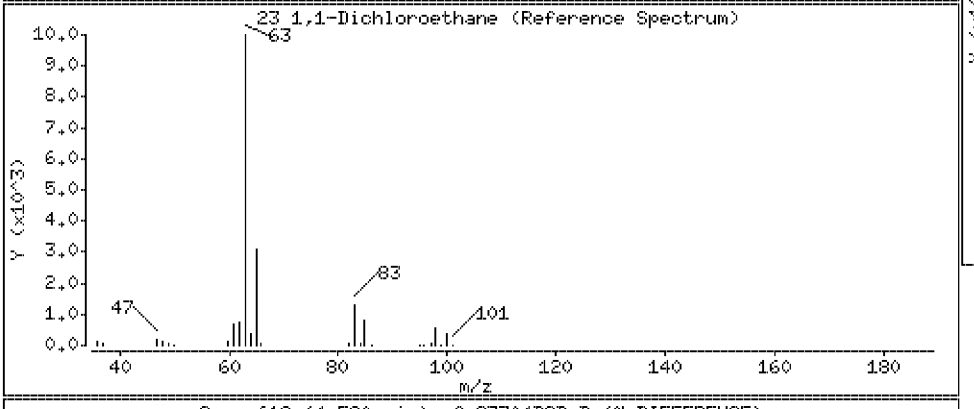
Purge Volume: 5.0 Operator:

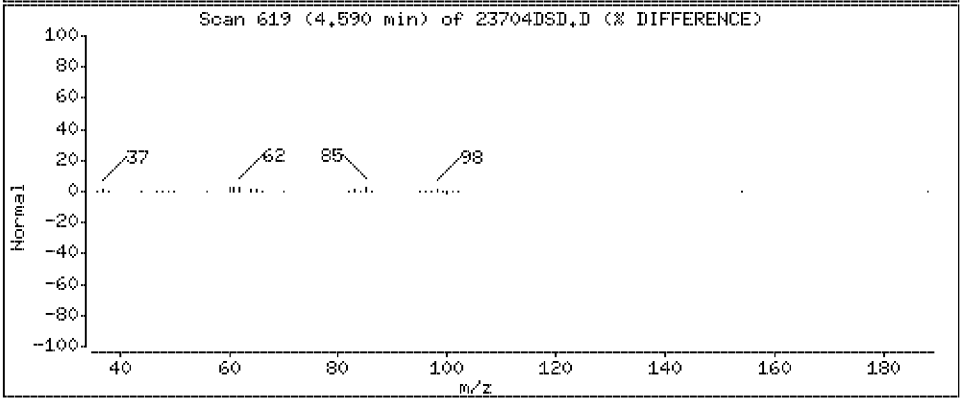
Column phase: RTX-502.2 Column diameter: 0.18

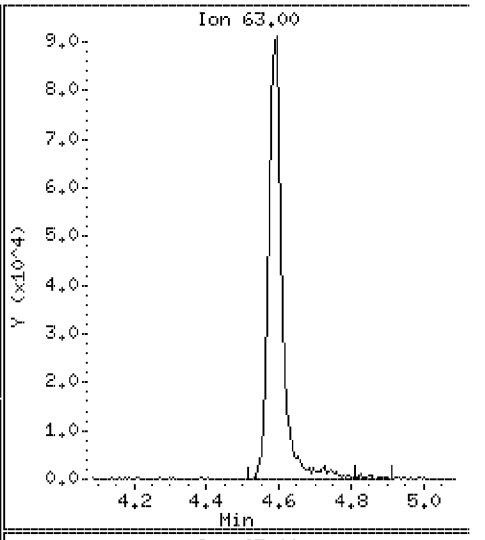
23 1,1-Dichloroethane Concentration: 78.1 ug/l

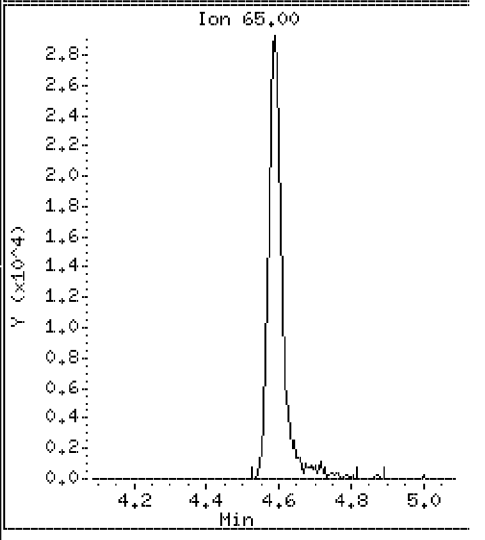












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

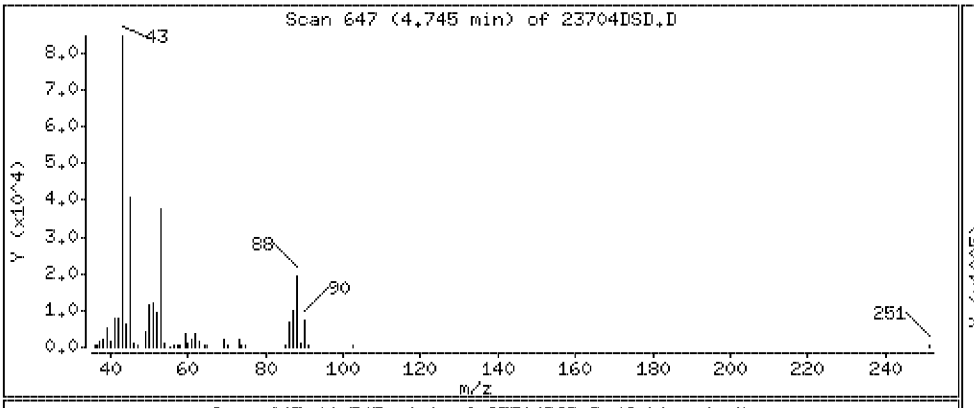
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

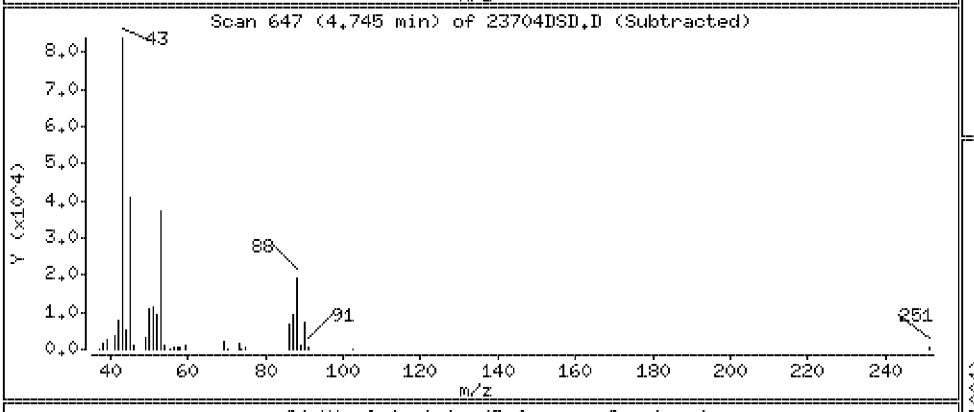
Sample Info: 350023704;3500237;5;

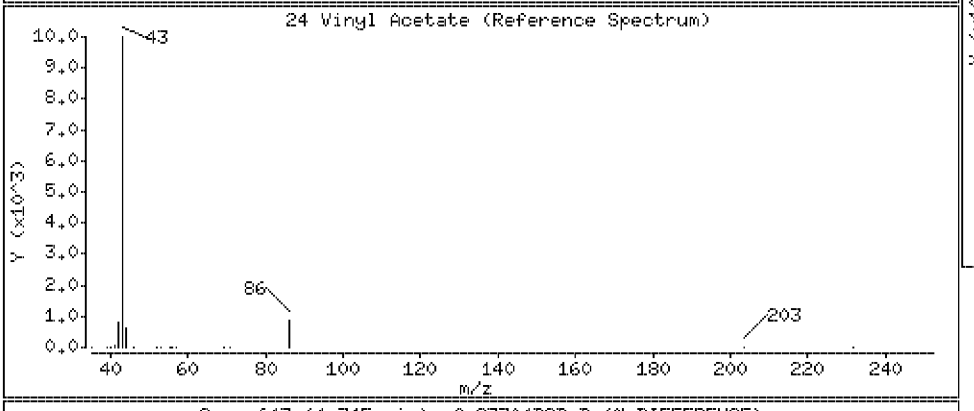
Purge Volume: 5.0 Operator:

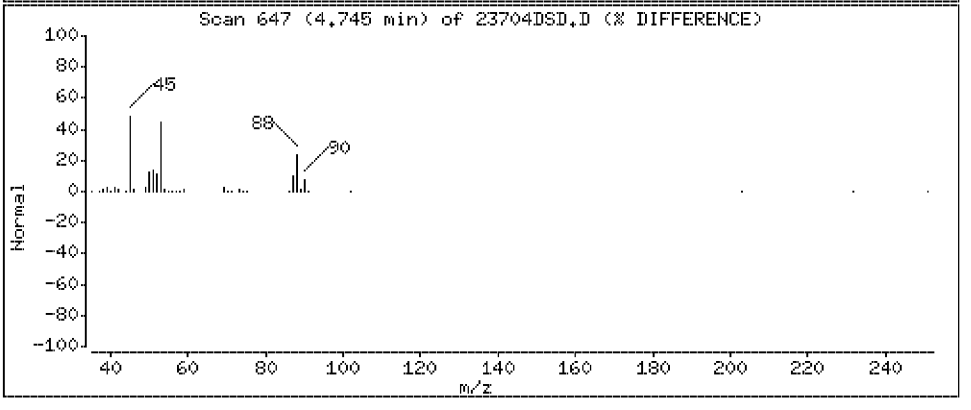
Column phase: RTX-502.2 Column diameter: 0.18

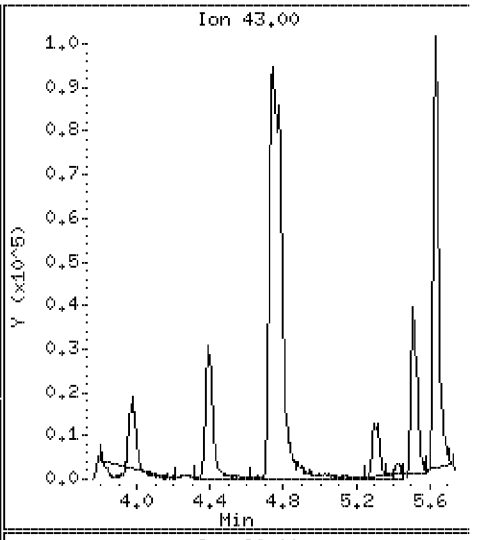
24 Vinyl Acetate Concentration: 78.1 ug/l

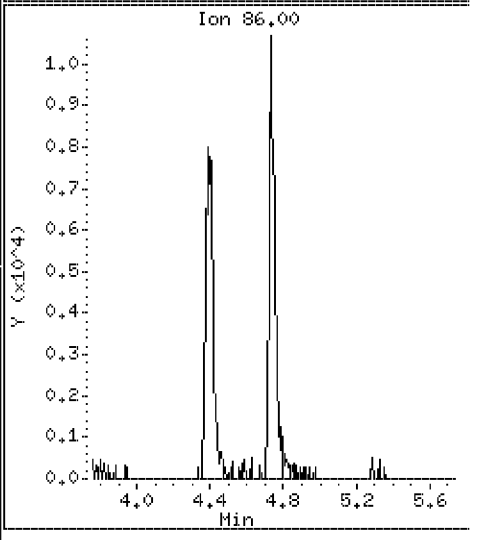












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

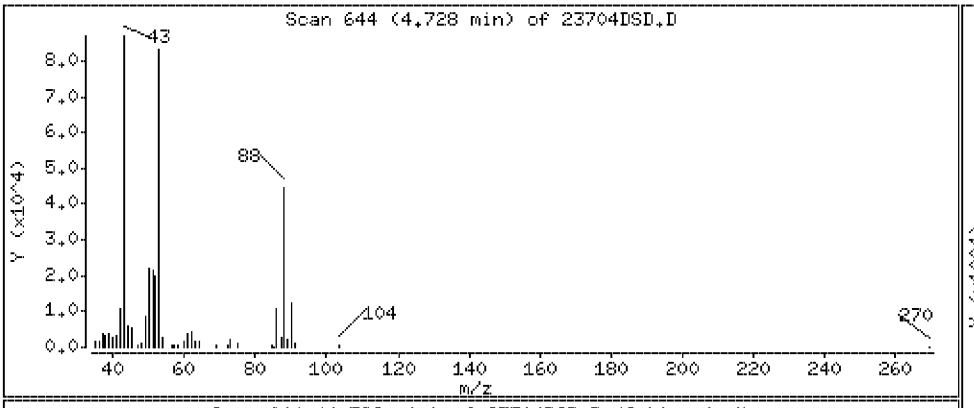
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

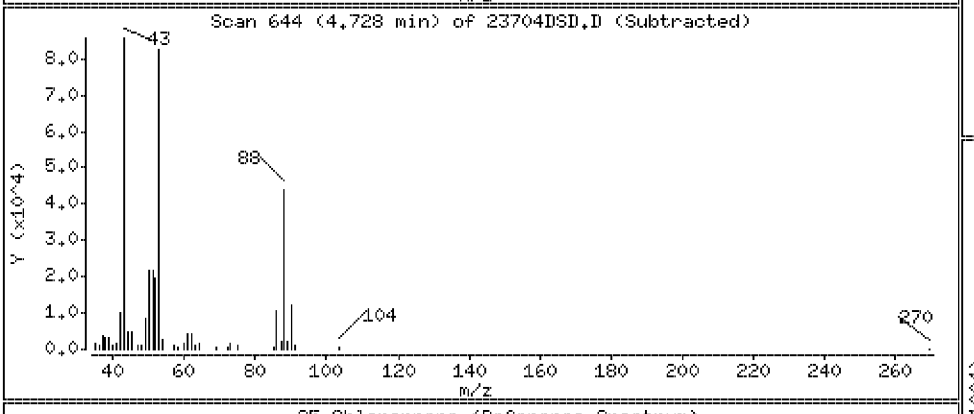
Sample Info: 350023704;3500237;5;

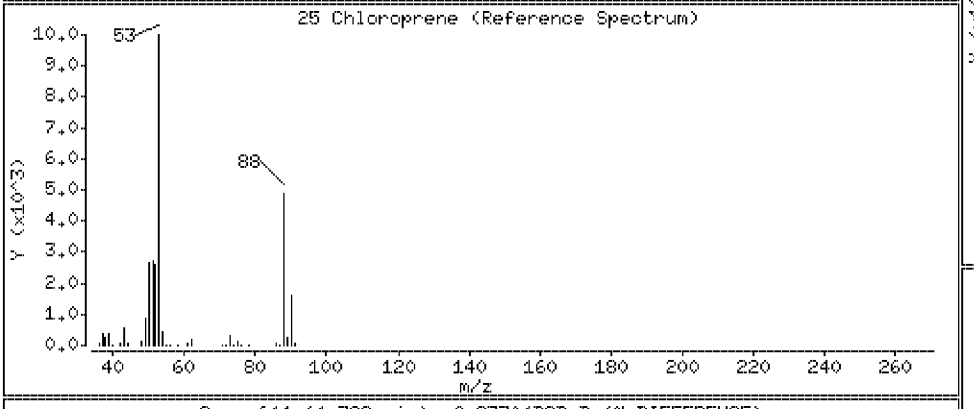
Purge Volume: 5.0 Operator:

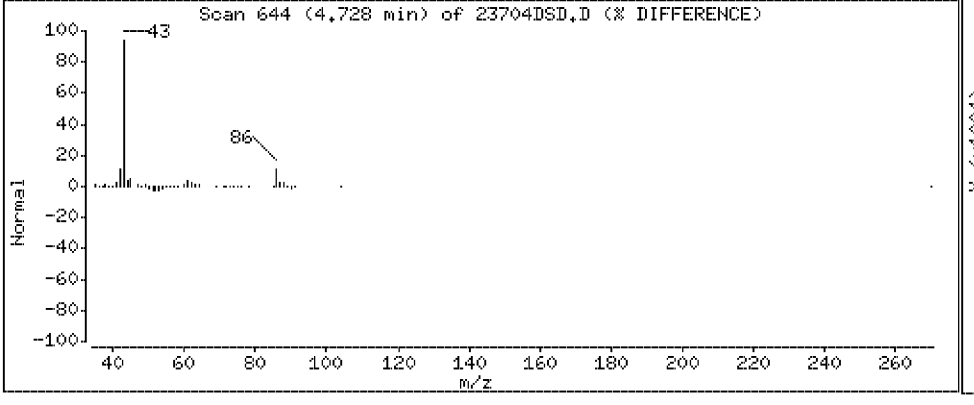
Column phase: RTX-502.2 Column diameter: 0.18

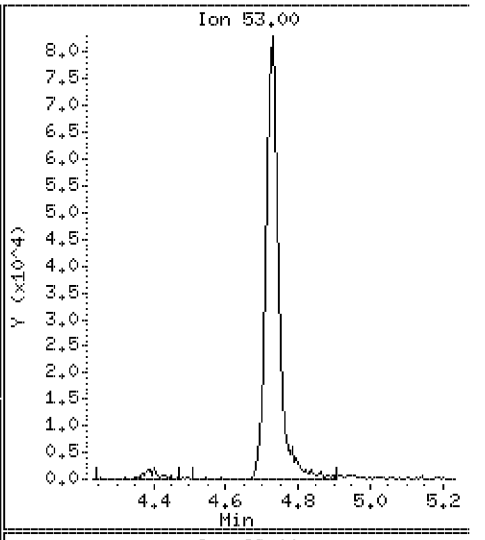
25 Chloroprene Concentration: 85.0 ug/l

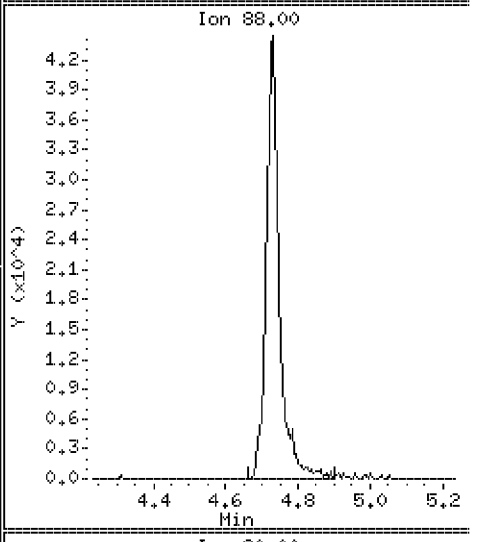


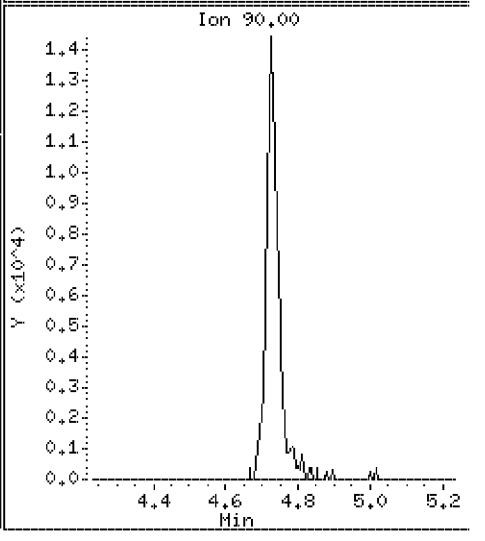












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

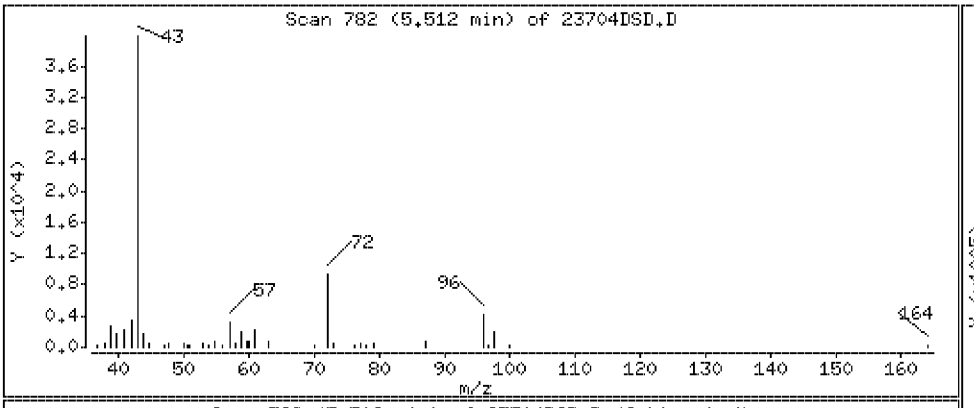
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

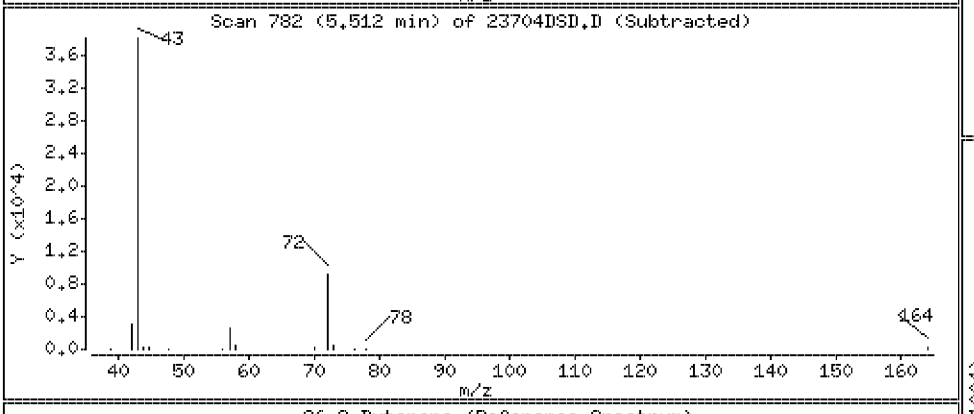
Sample Info: 350023704;3500237;5;

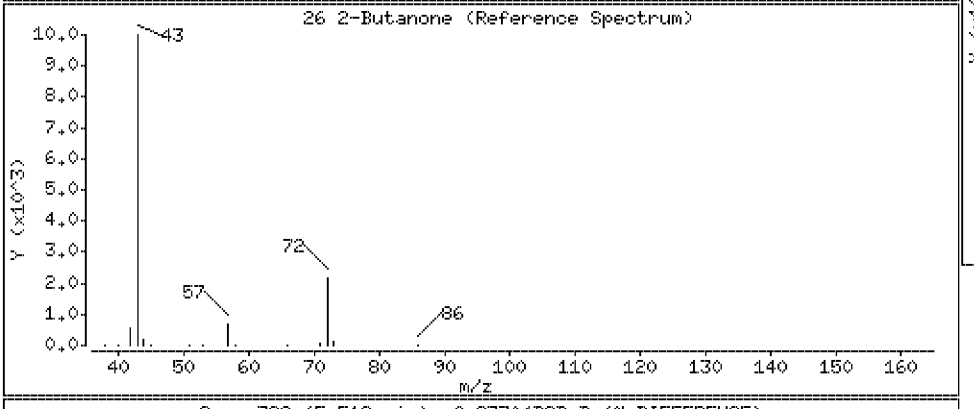
Purge Volume: 5.0 Operator:

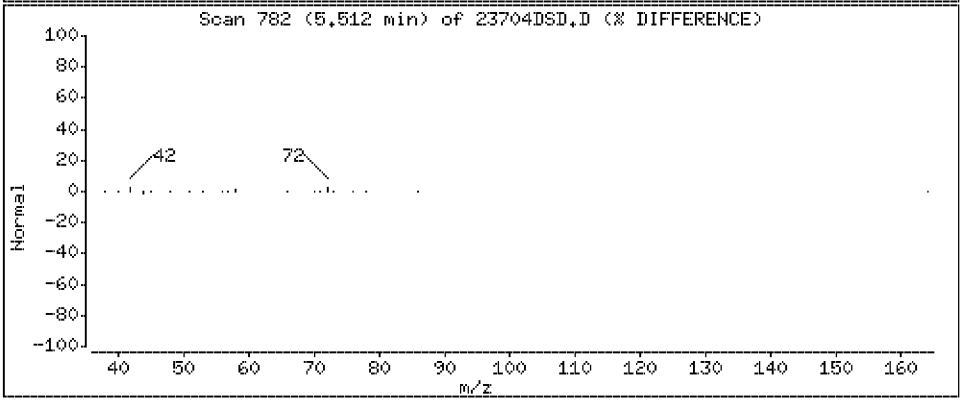
Column phase: RTX-502.2 Column diameter: 0.18

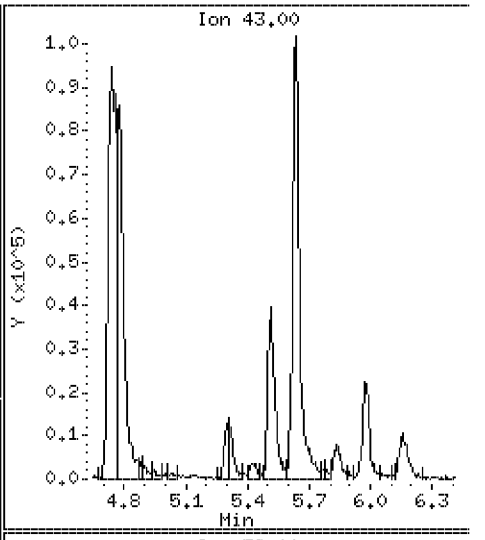
26 2-Butanone Concentration: 156 ug/l

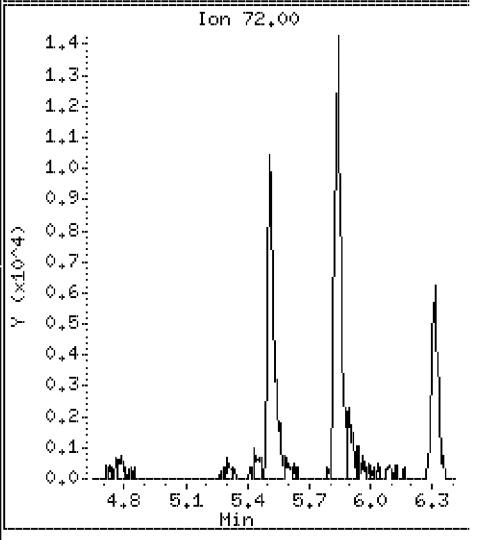












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

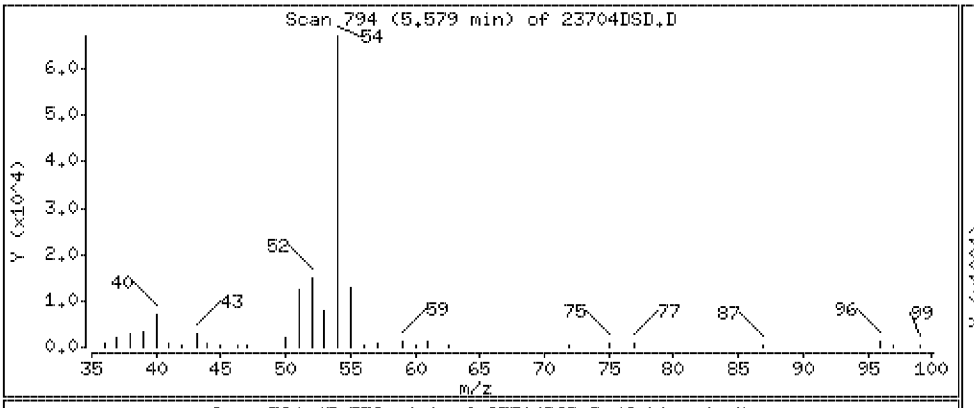
Operator:

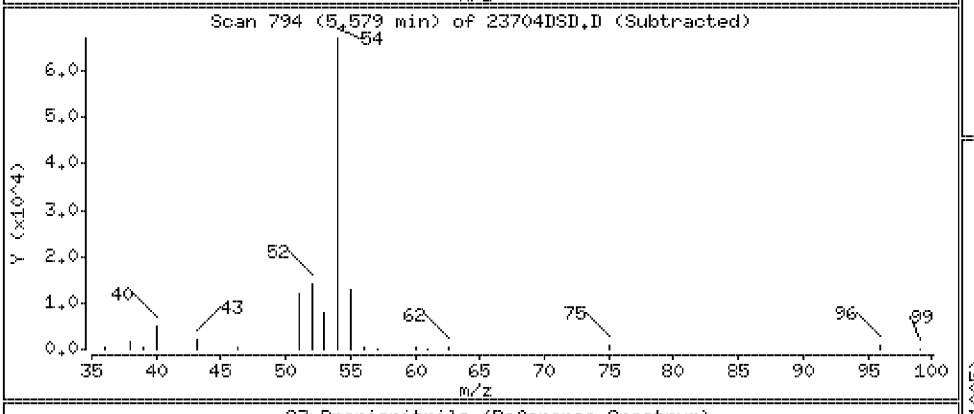
Column phase: RTX-502.2

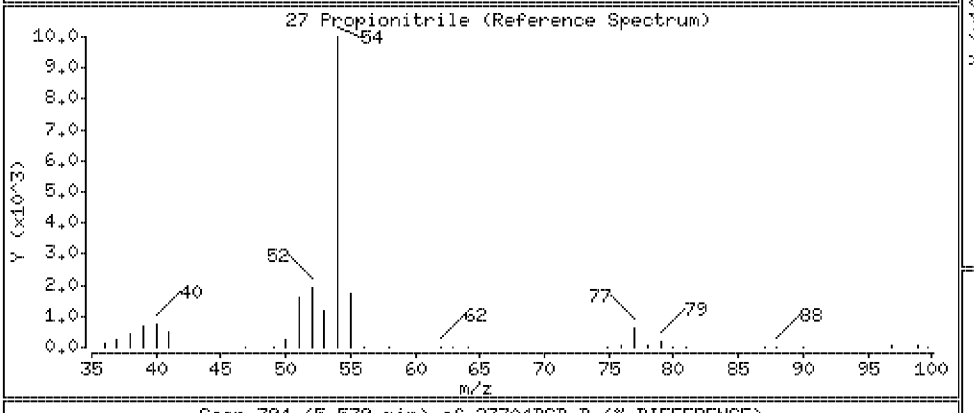
Column diameter: 0.18

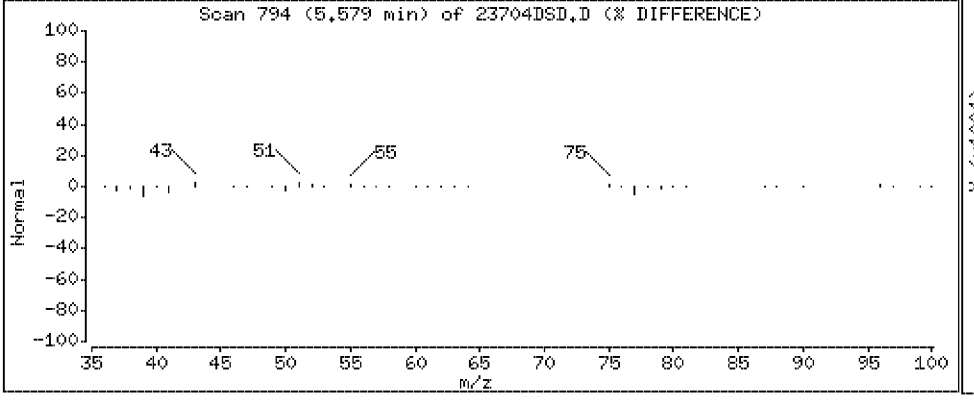
27 Propionitrile

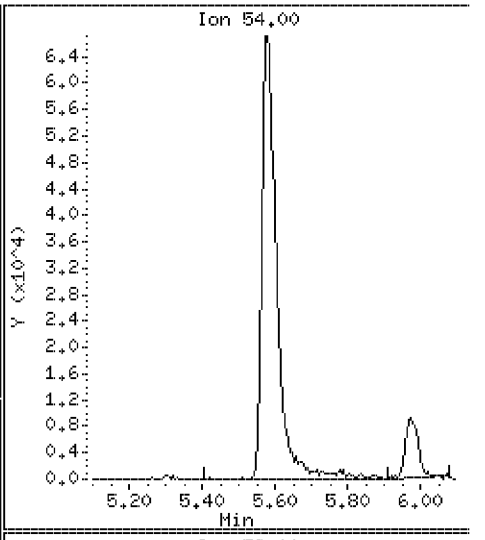
Concentration: 876 ug/l

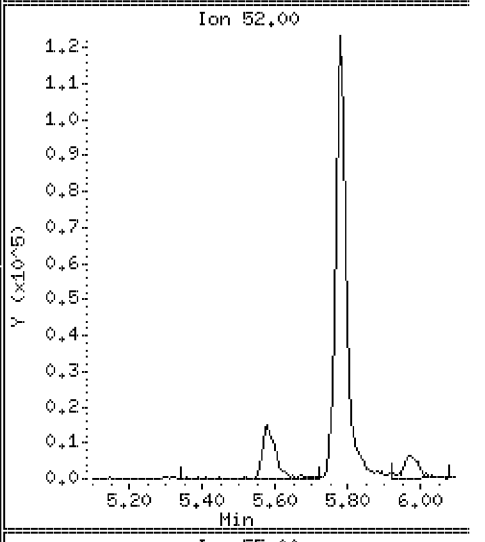


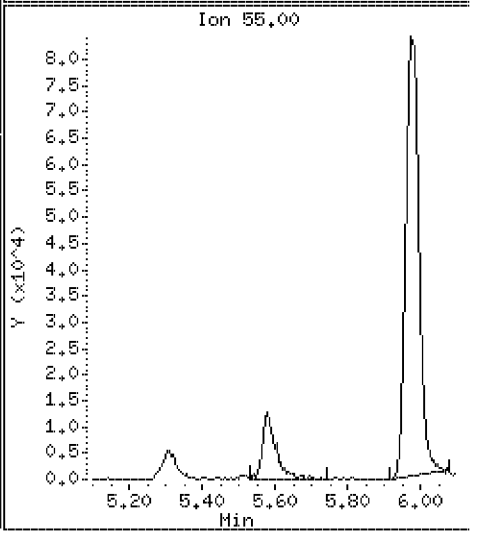












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

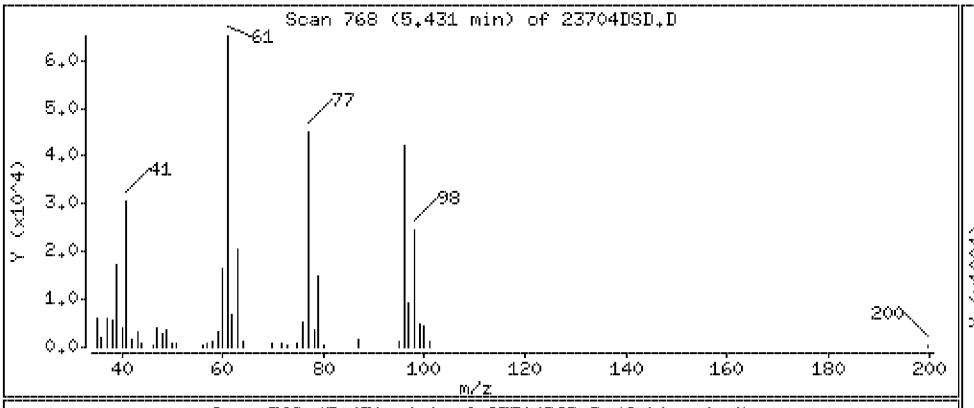
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

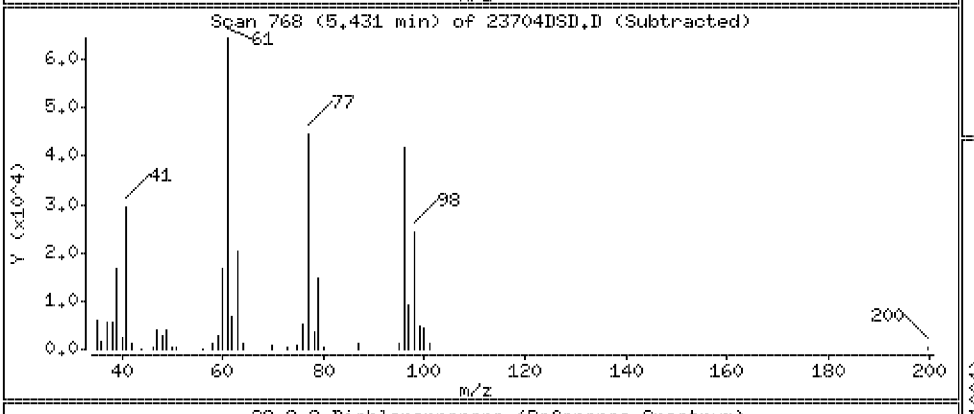
Sample Info: 350023704;3500237;5;

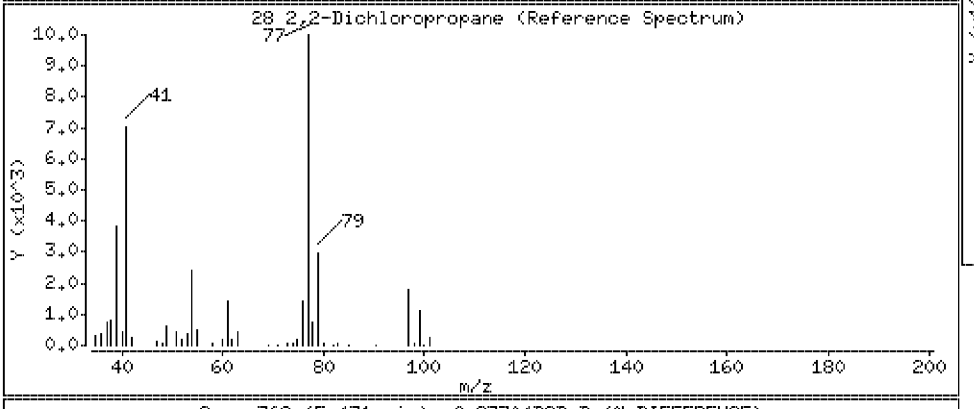
Purge Volume: 5.0 Operator:

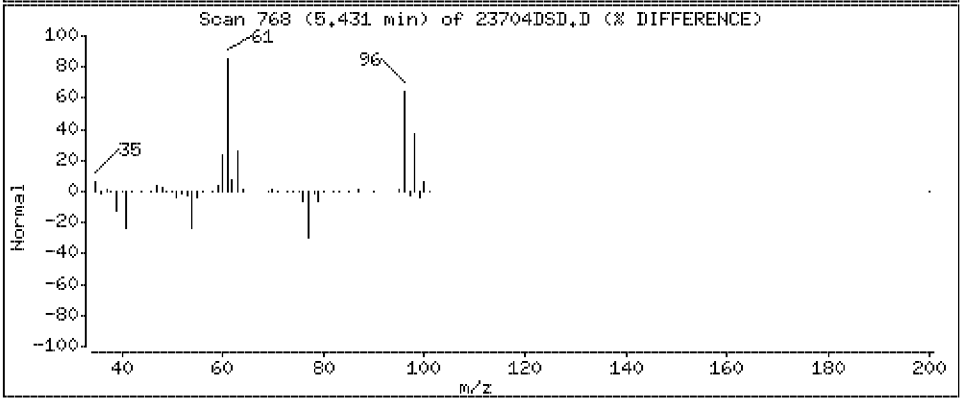
Column phase: RTX-502.2 Column diameter: 0.18

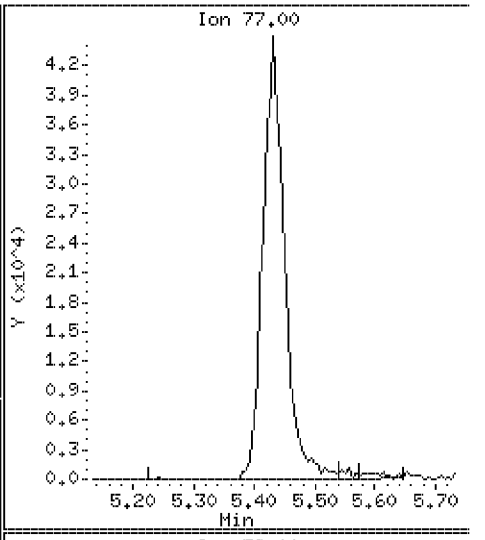
28 2,2-Dichloropropane Concentration: 88.9 ug/l

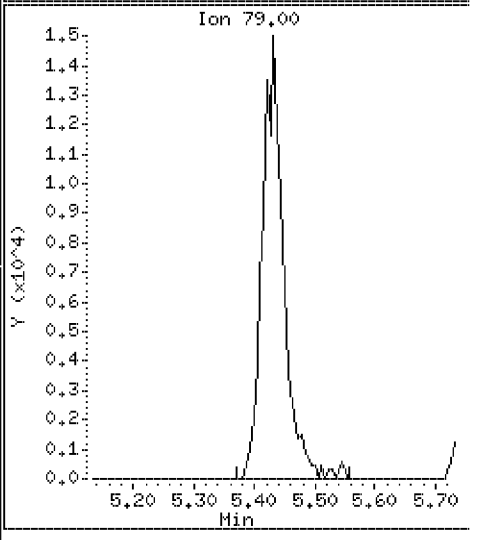












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

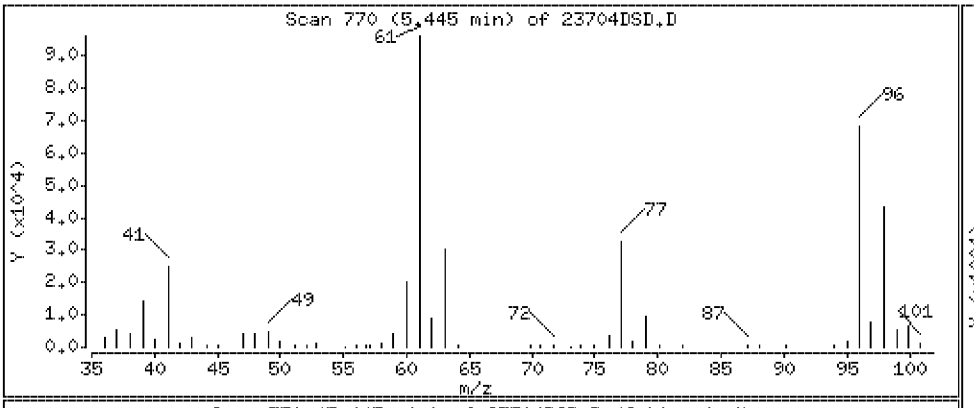
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

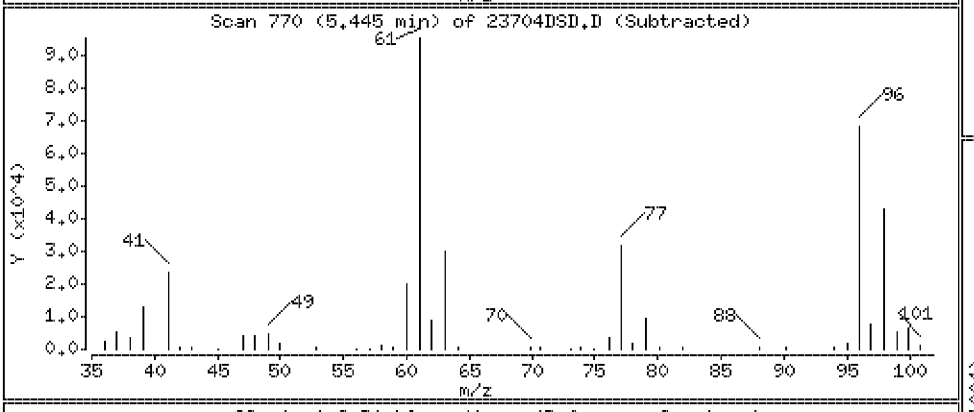
Sample Info: 350023704;3500237;5;

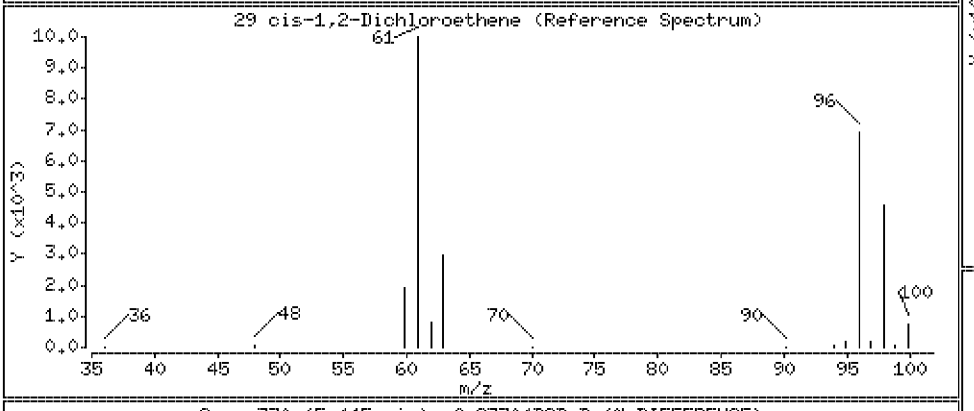
Purge Volume: 5.0 Operator:

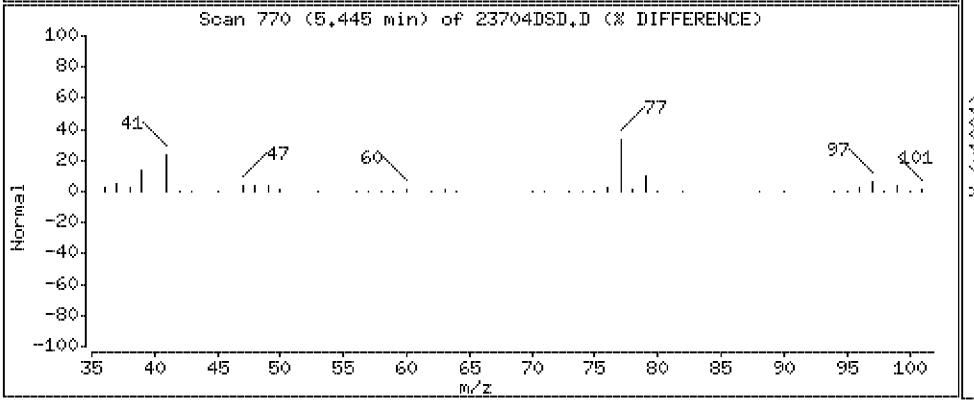
Column phase: RTX-502.2 Column diameter: 0.18

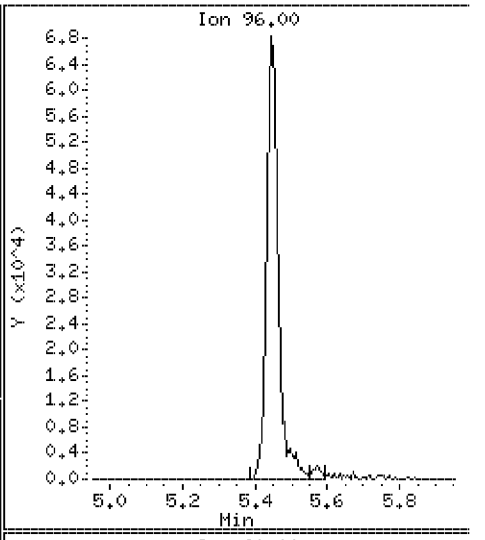
29 cis-1,2-Dichloroethene Concentration: 84.5 ug/l

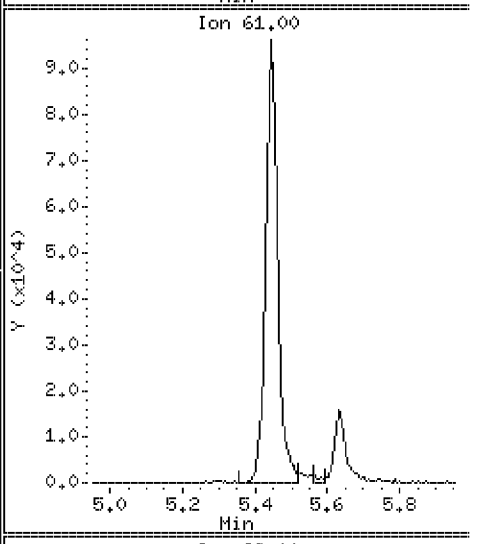


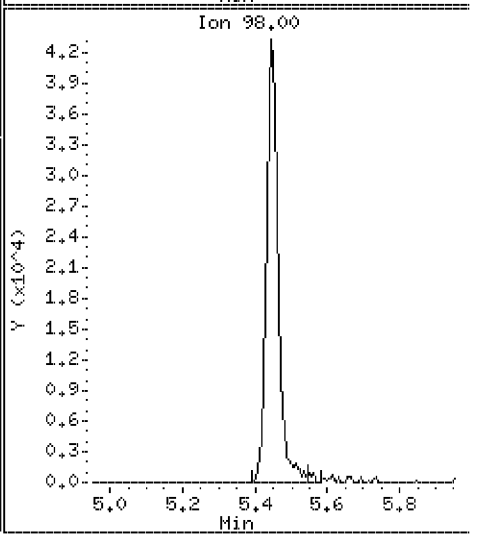












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

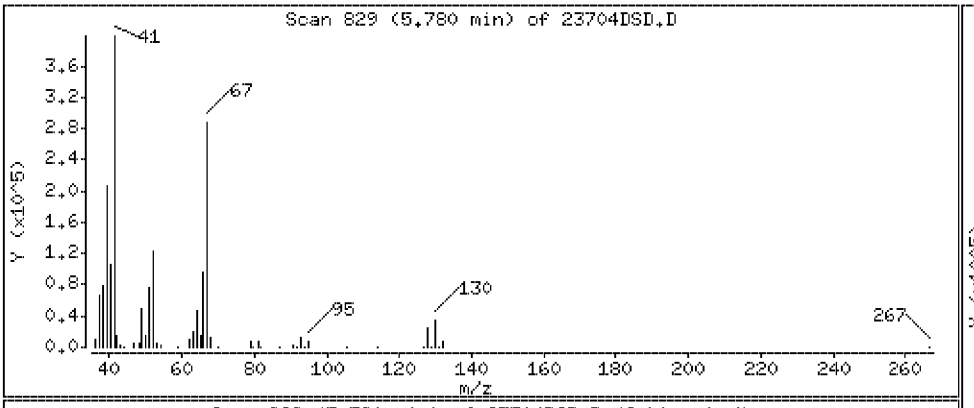
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

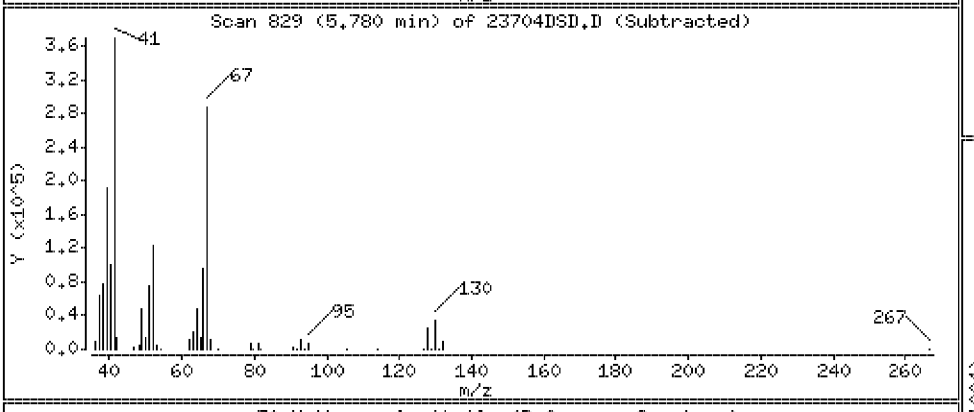
Sample Info: 350023704;3500237;5;

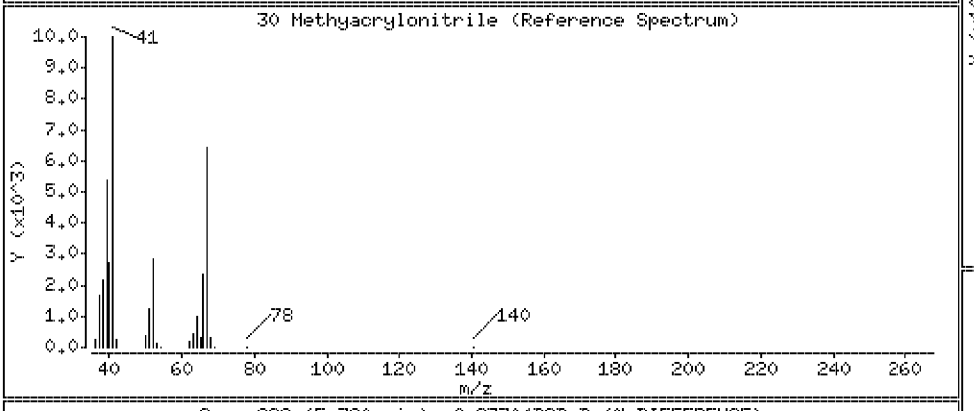
Purge Volume: 5.0 Operator:

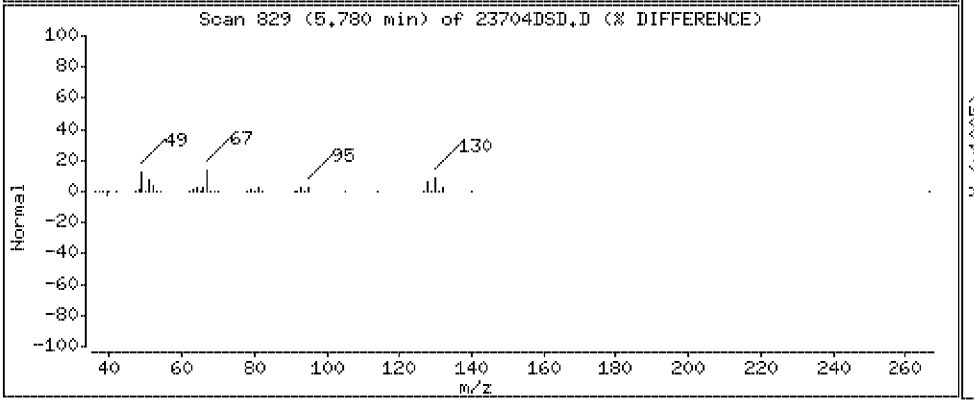
Column phase: RTX-502.2 Column diameter: 0.18

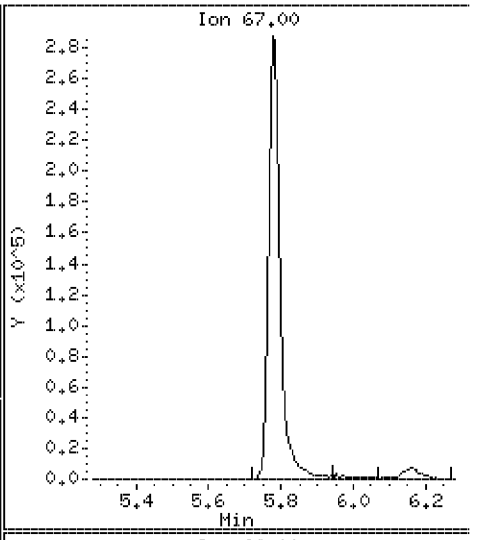
30 Methyacrylonitrile Concentration: 1050 ug/l

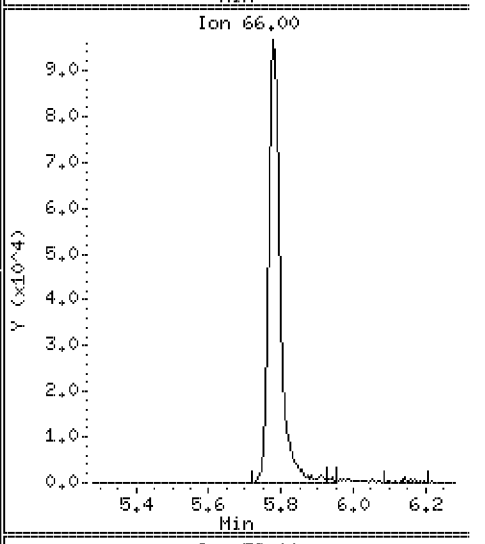


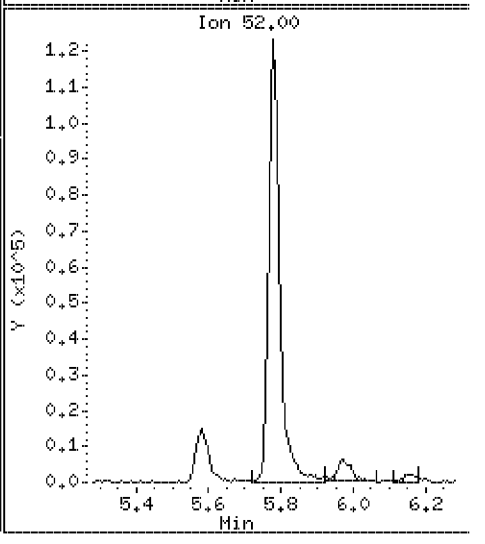












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

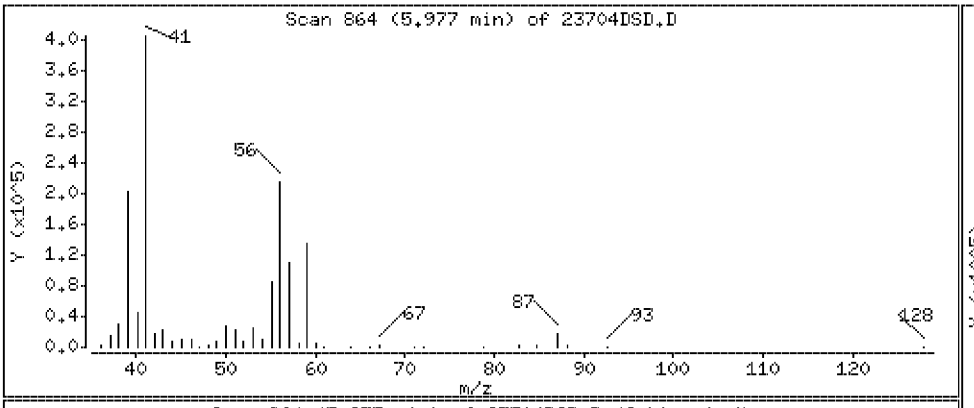
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

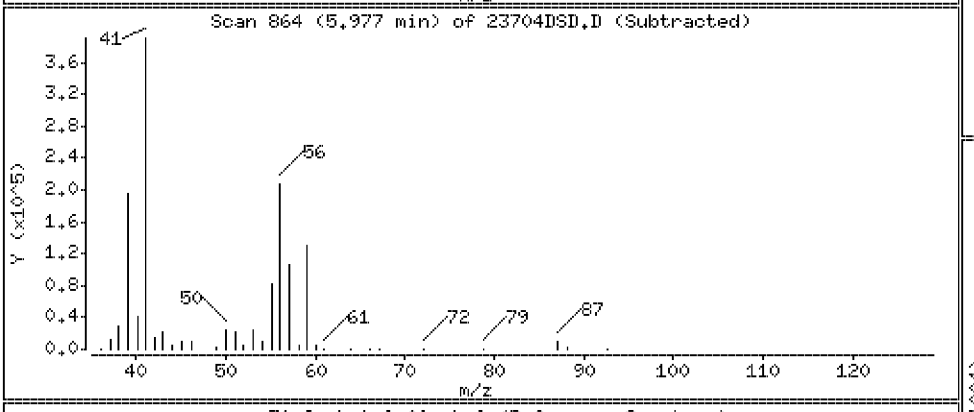
Sample Info: 350023704;3500237;5;

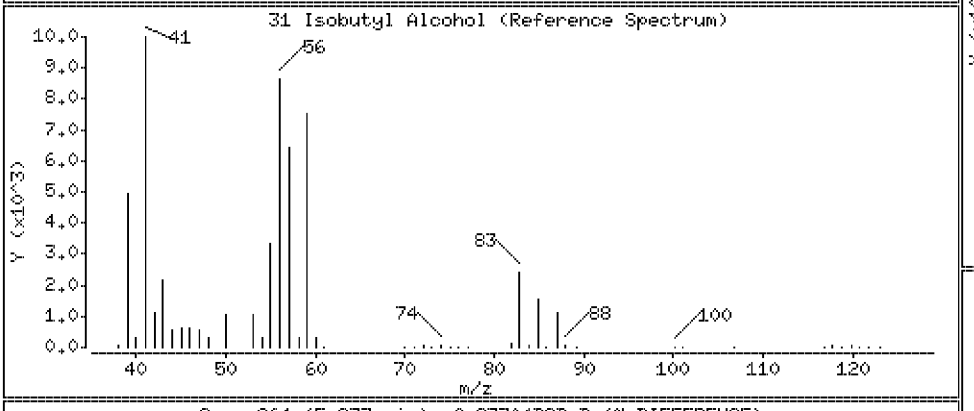
Purge Volume: 5.0 Operator:

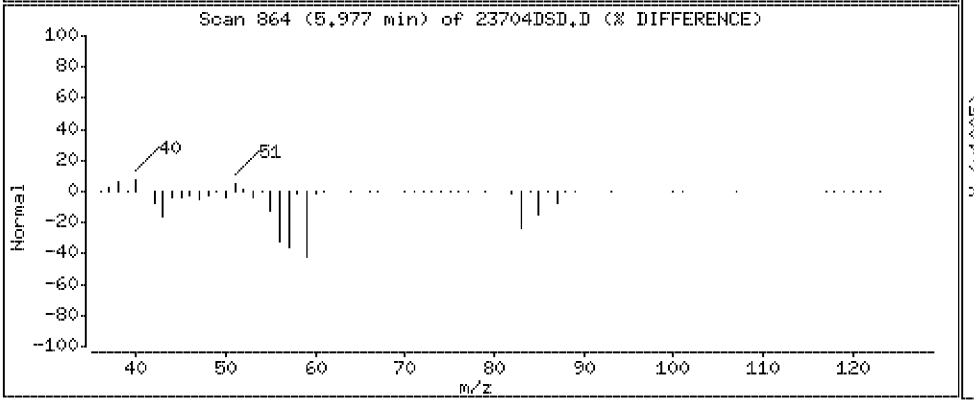
Column phase: RTX-502.2 Column diameter: 0.18

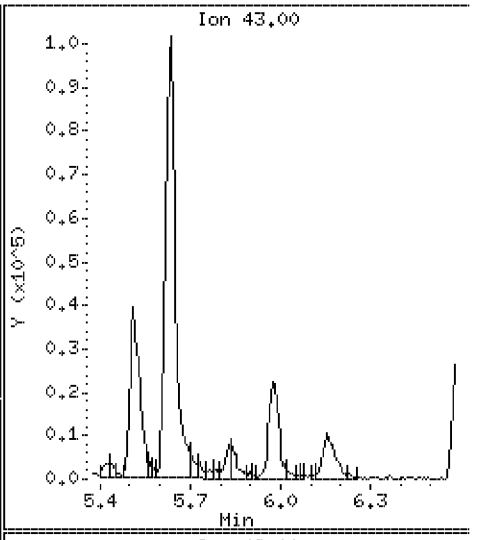
31 Isobutyl Alcohol Concentration: 907 ug/l

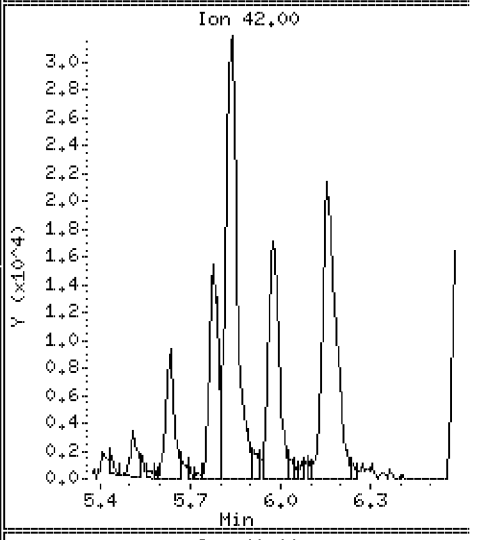


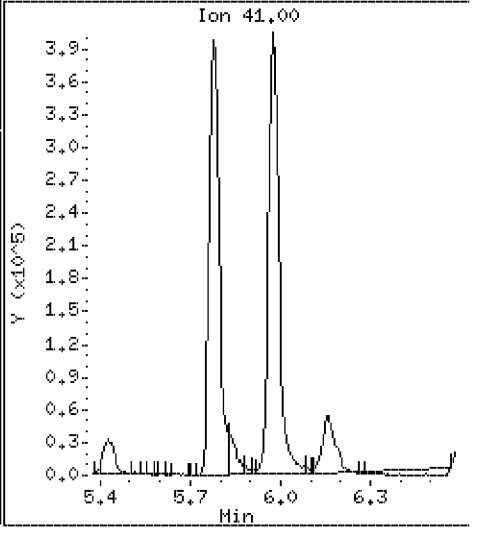












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

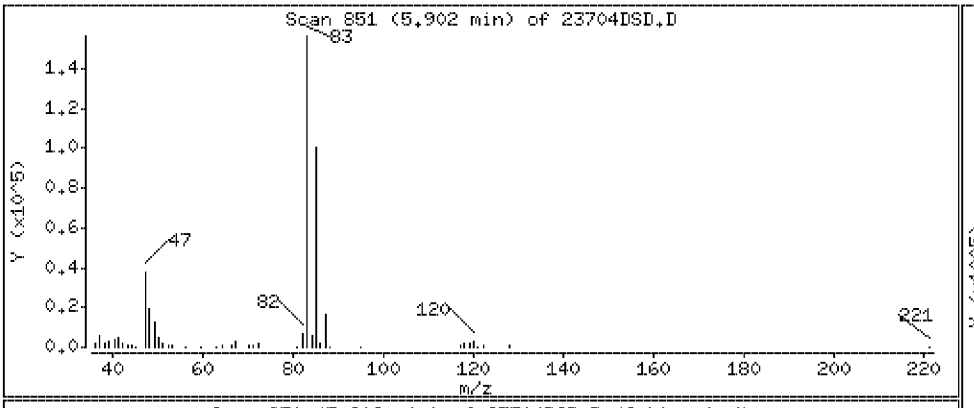
Operator:

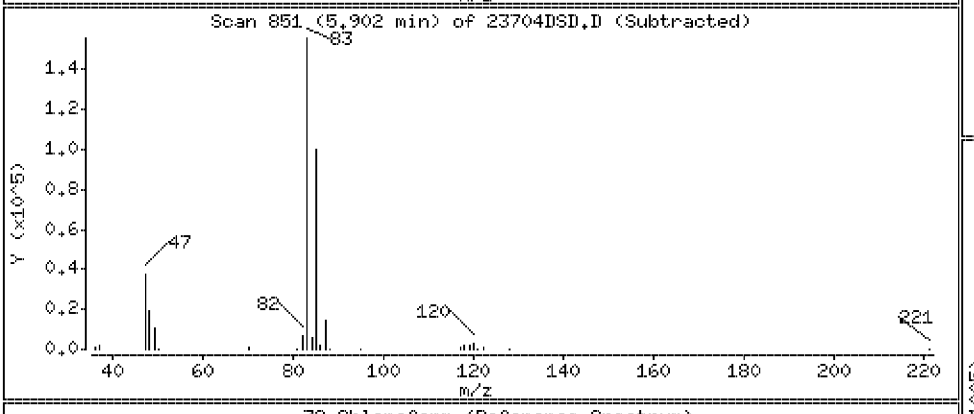
Column phase: RTX-502.2

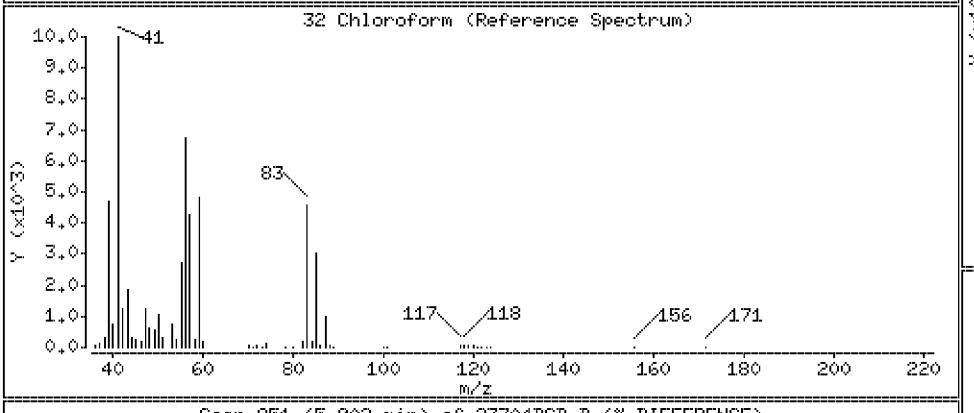
Column diameter: 0.18

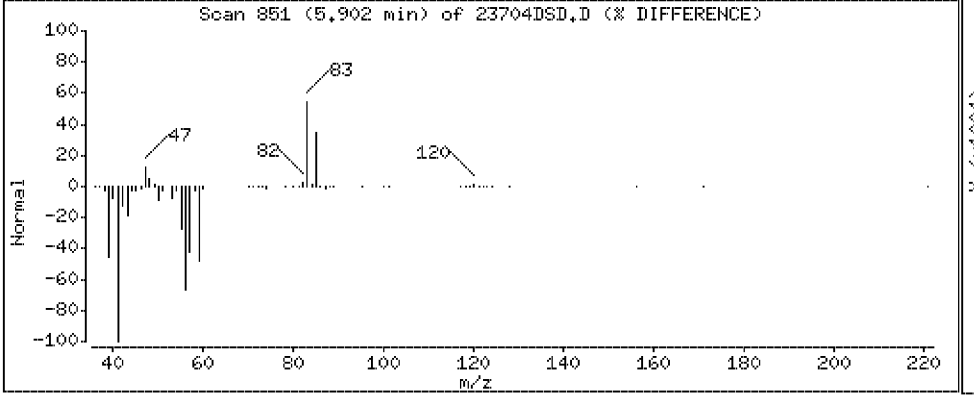
32 Chloroform

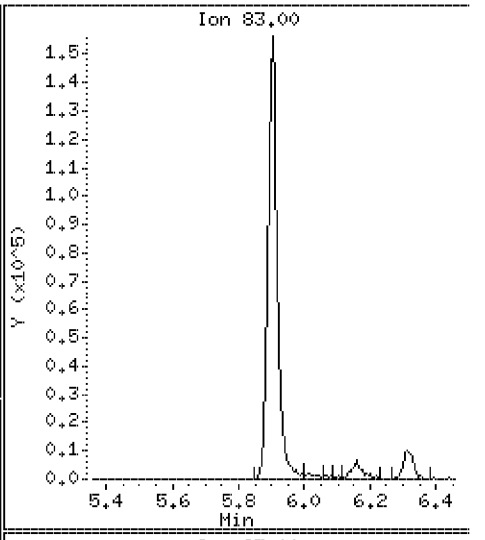
Concentration: 106 ug/l

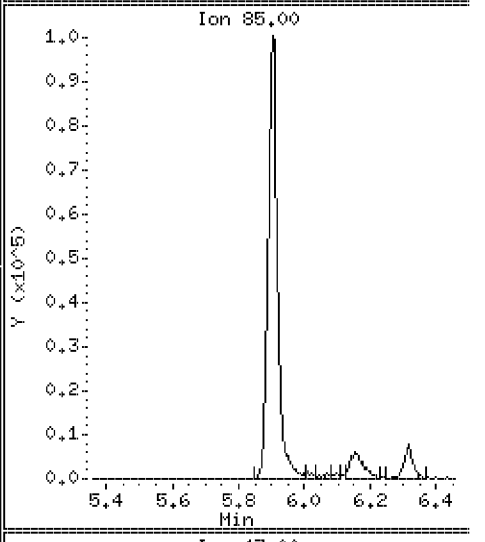


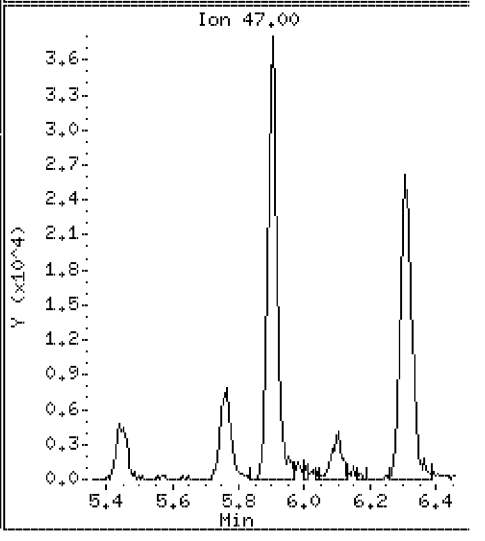












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

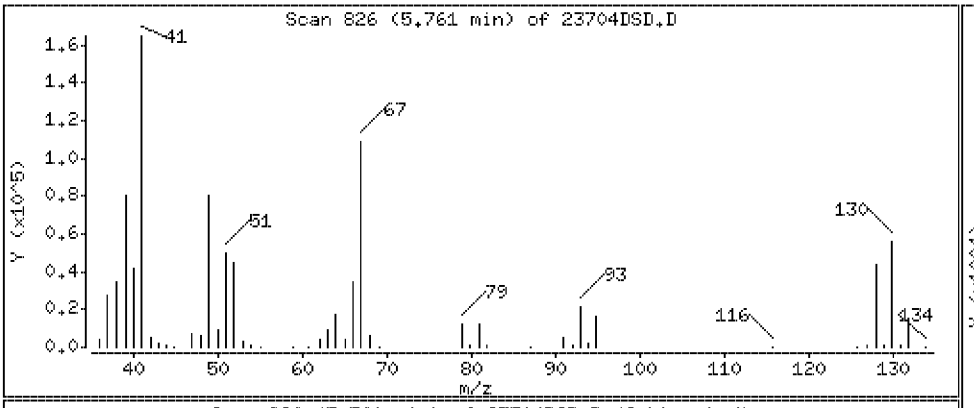
Operator:

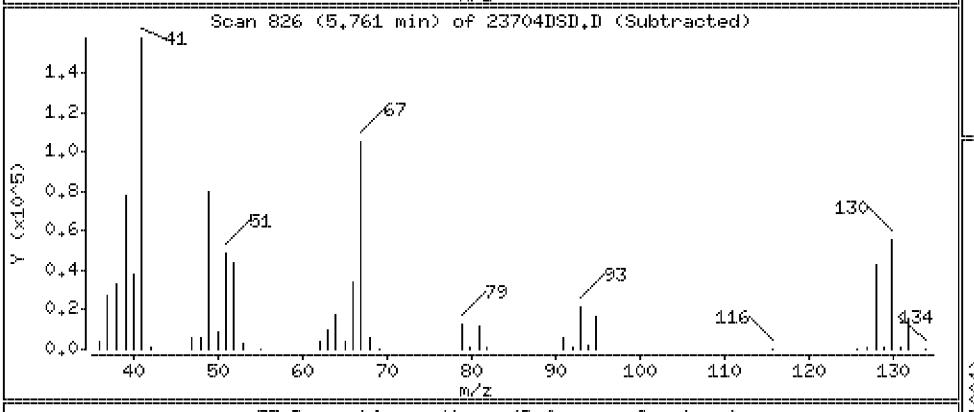
Column phase: RTX-502.2

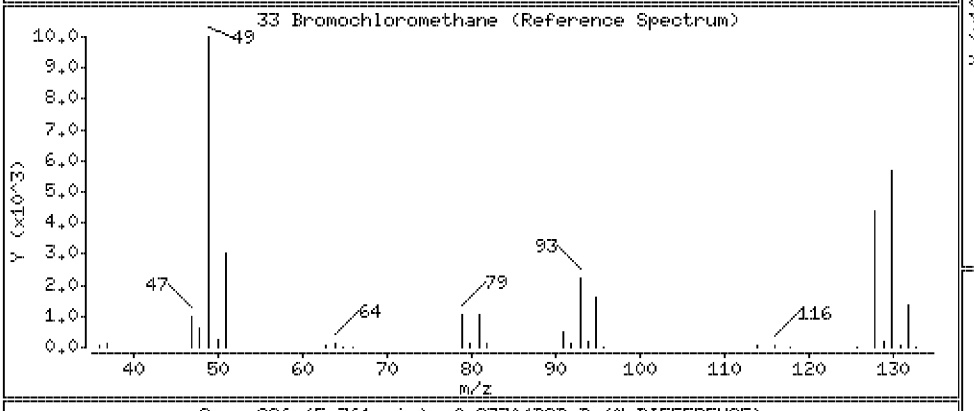
Column diameter: 0.18

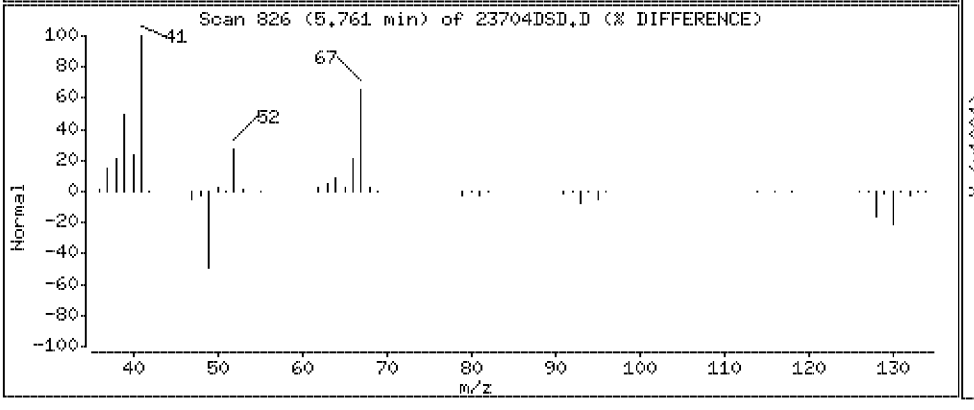
33 Bromochloromethane

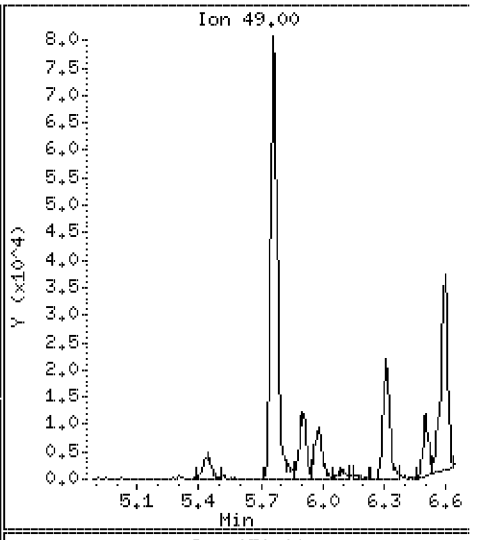
Concentration: 104 ug/l

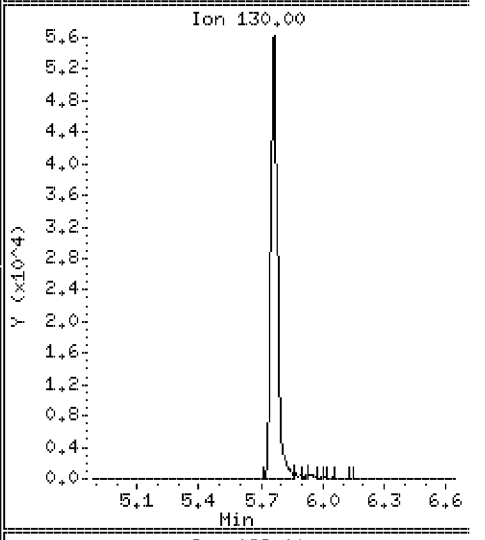


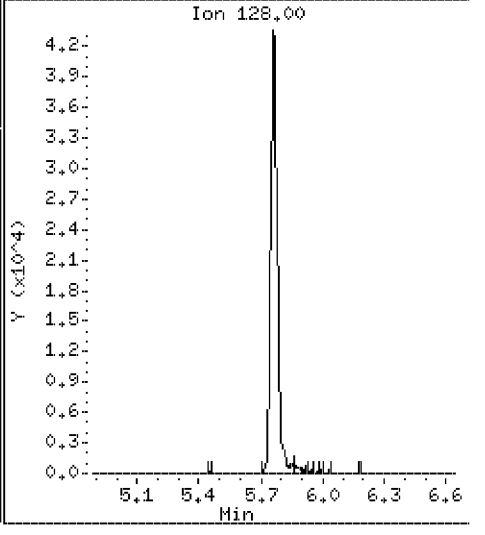












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

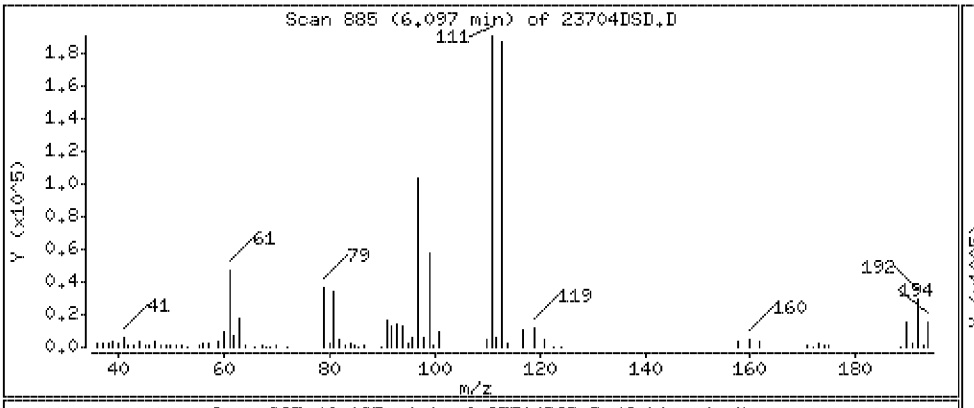
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

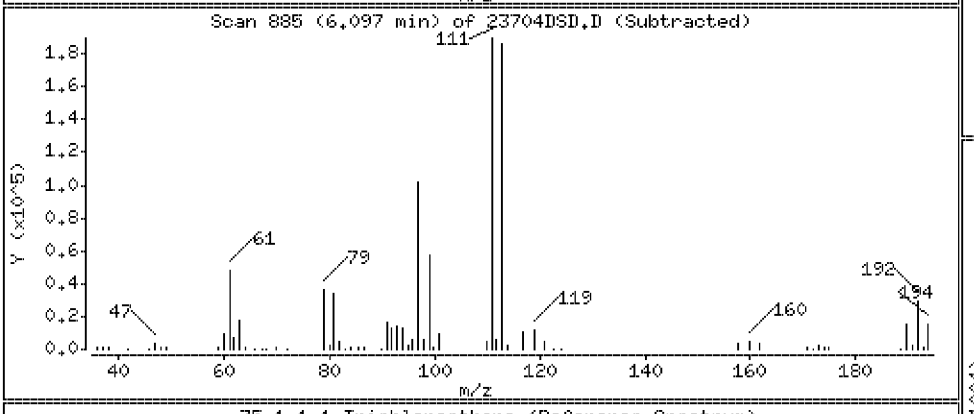
Sample Info: 350023704;3500237;5;

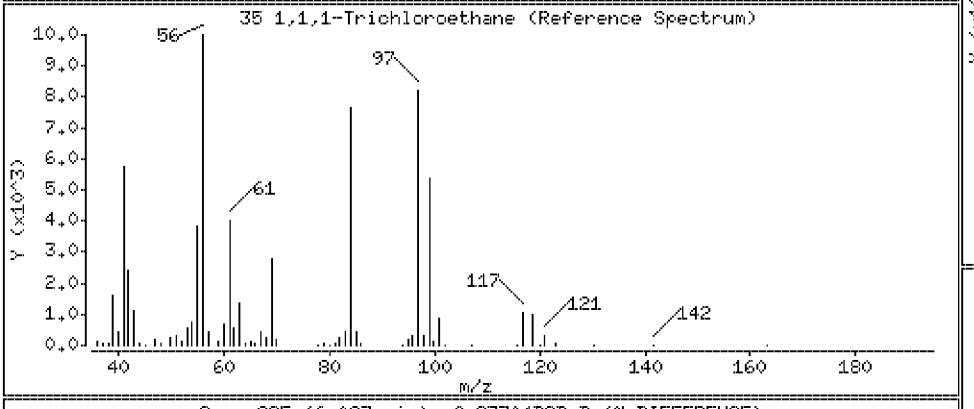
Purge Volume: 5.0 Operator:

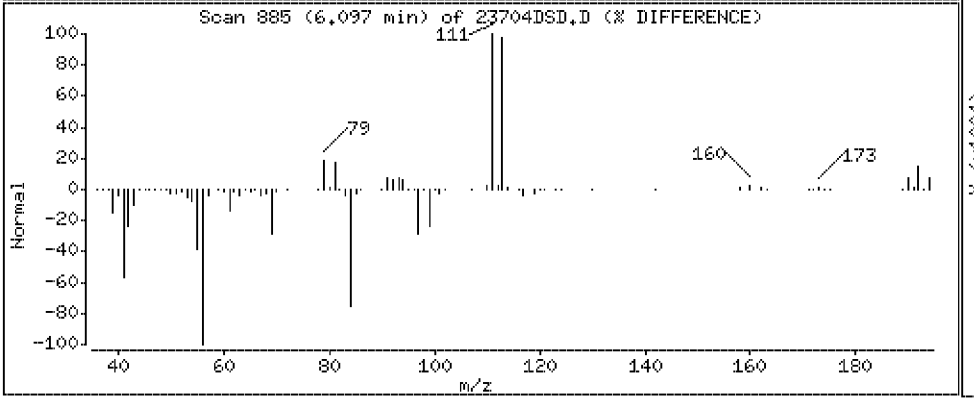
Column phase: RTX-502.2 Column diameter: 0.18

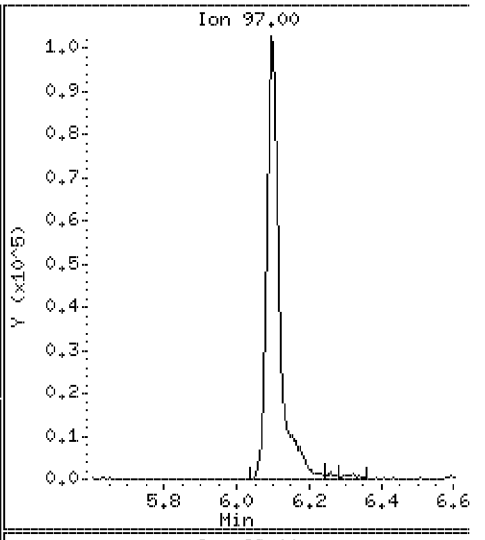
35 1,1,1-Trichloroethane Concentration: 110 ug/l

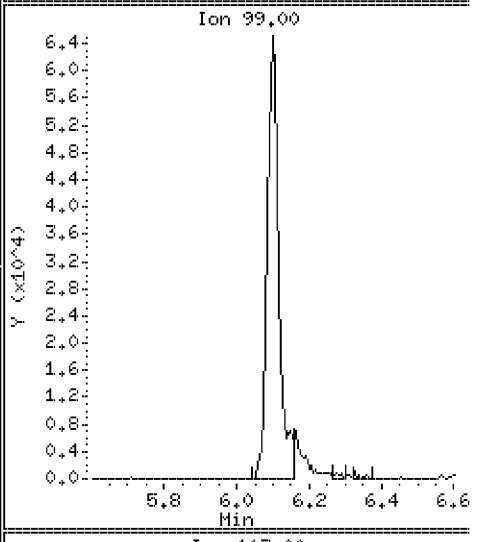


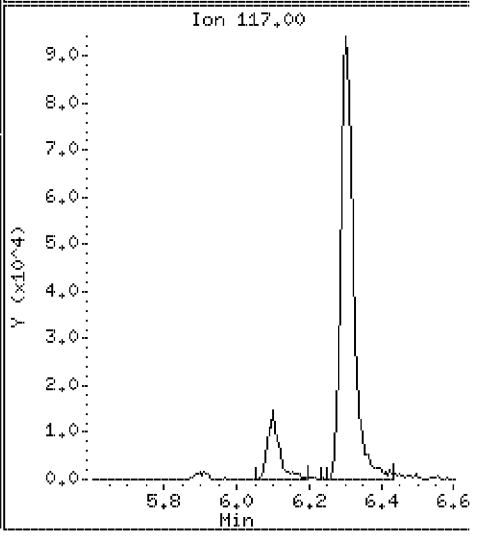












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

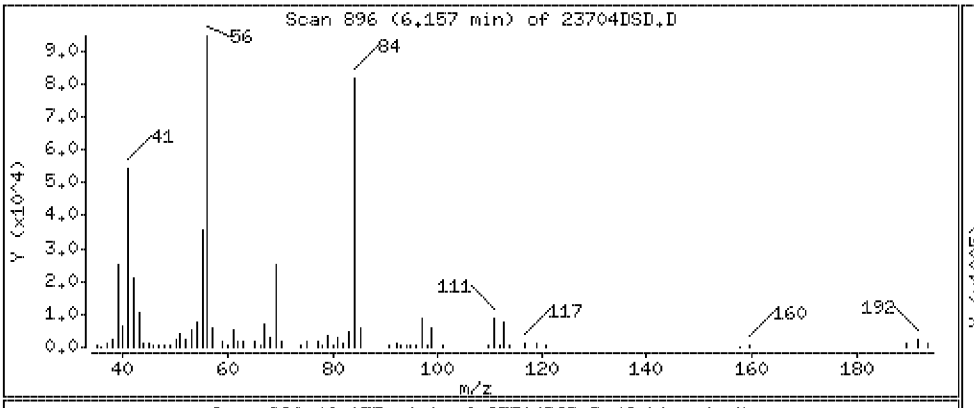
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

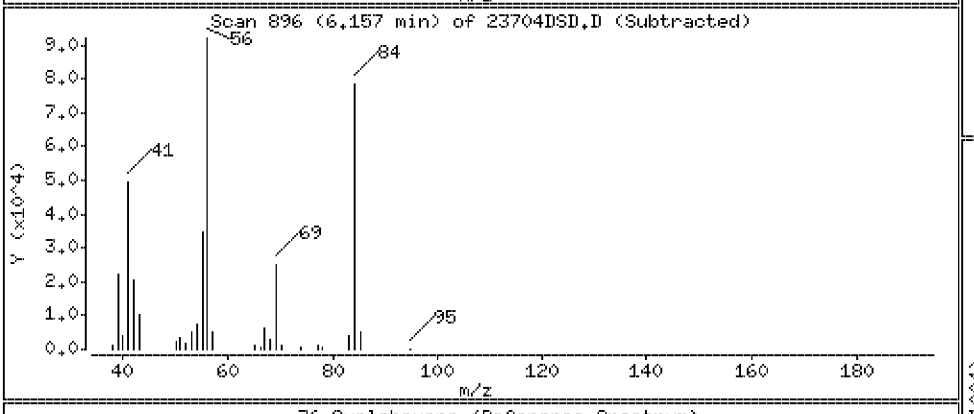
Sample Info: 350023704;3500237;5;

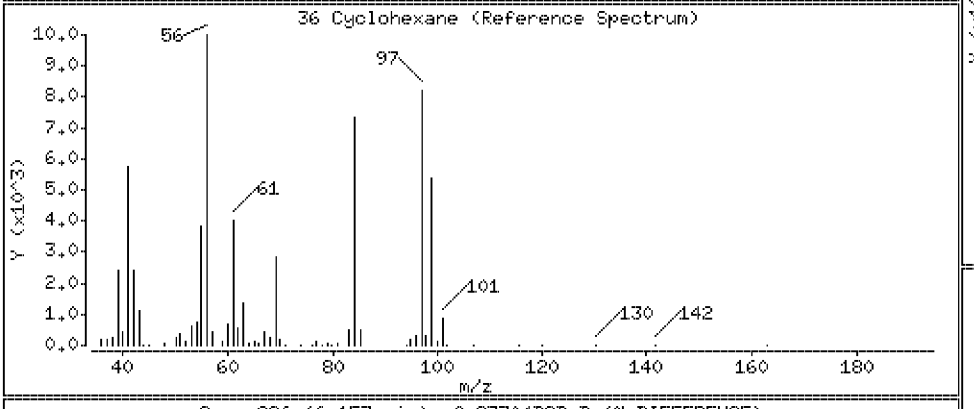
Purge Volume: 5.0 Operator:

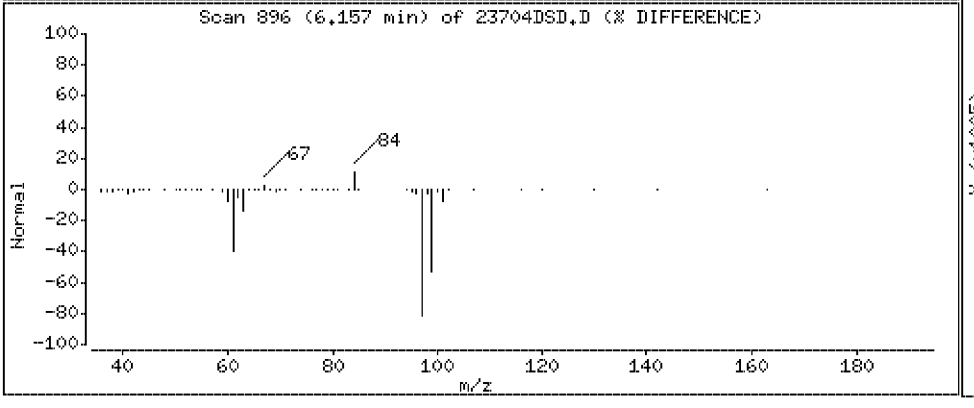
Column phase: RTX-502.2 Column diameter: 0.18

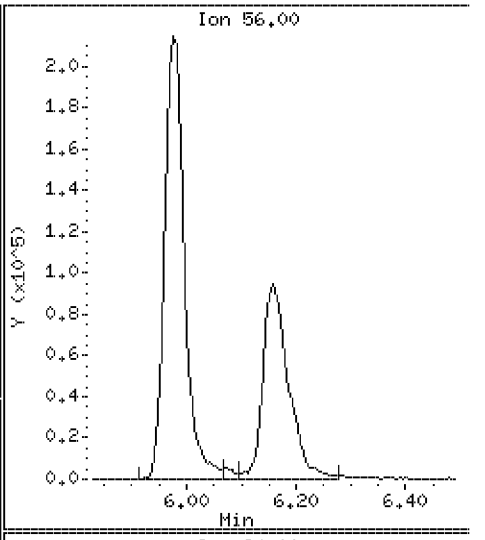
36 Cyclohexane Concentration: 104 ug/l

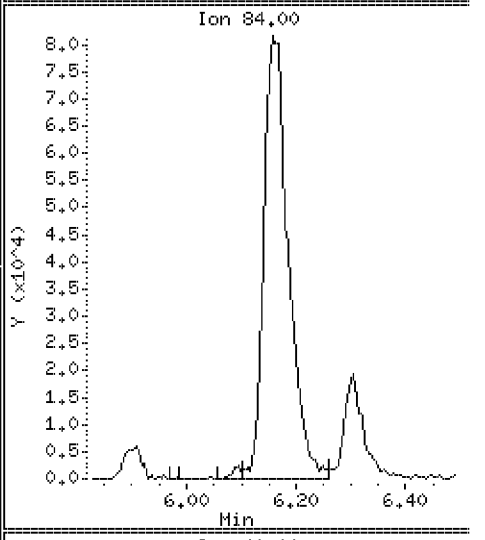


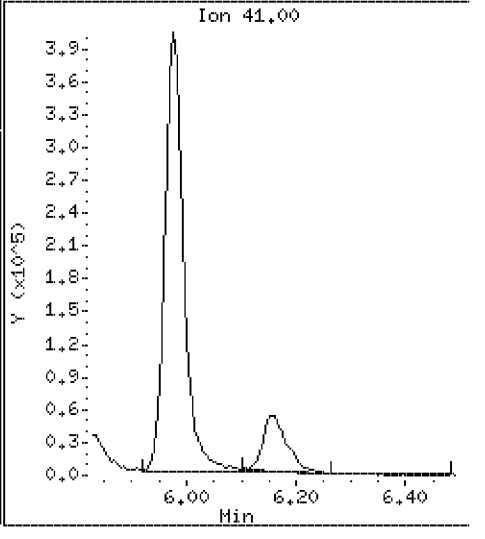












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

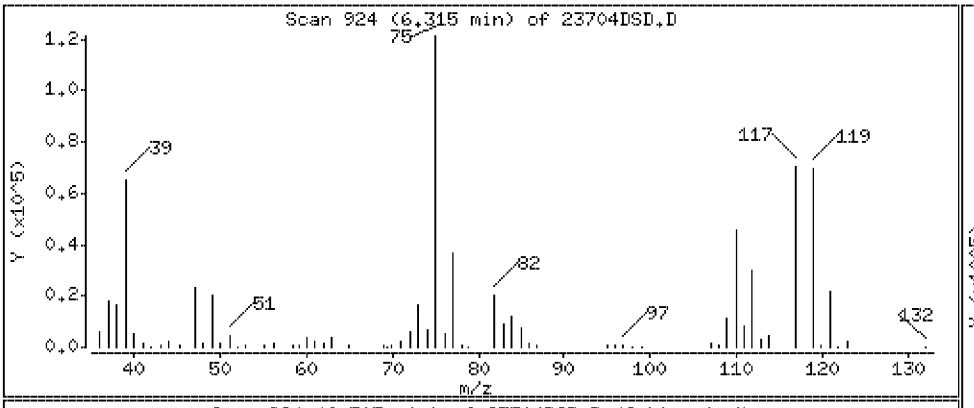
Operator:

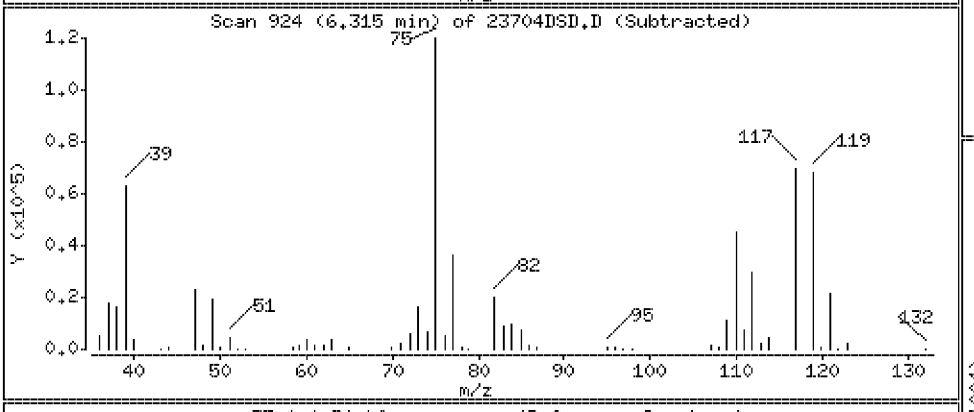
Column phase: RTX-502.2

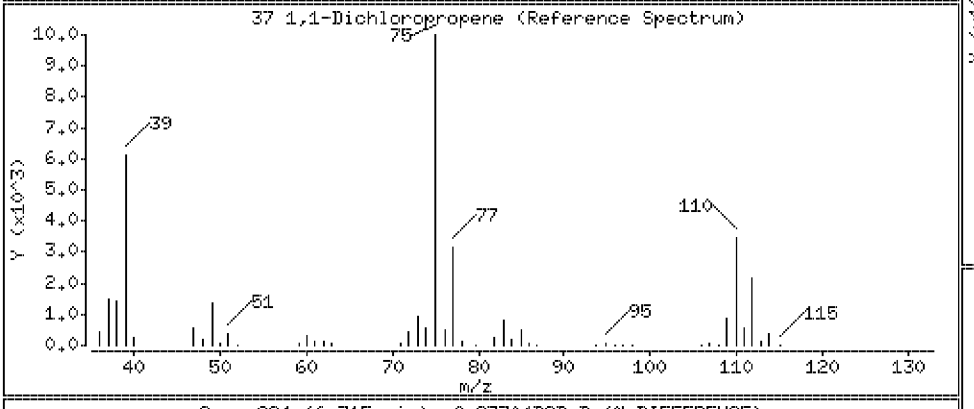
Column diameter: 0.18

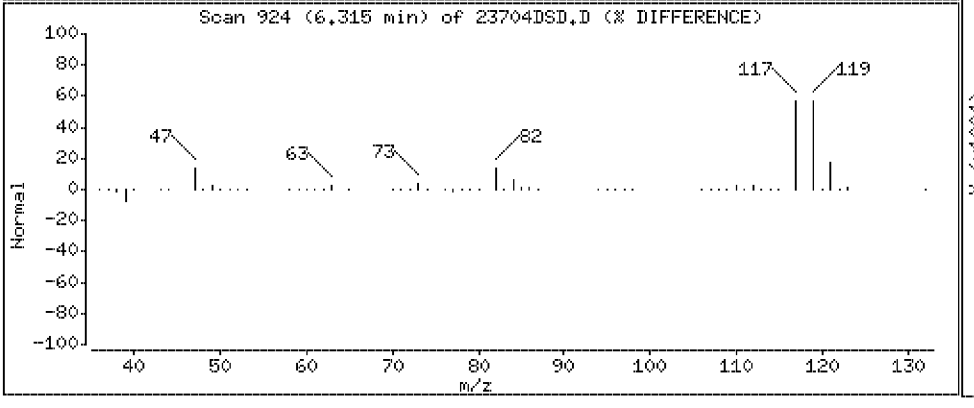
37 1,1-Dichloropropene

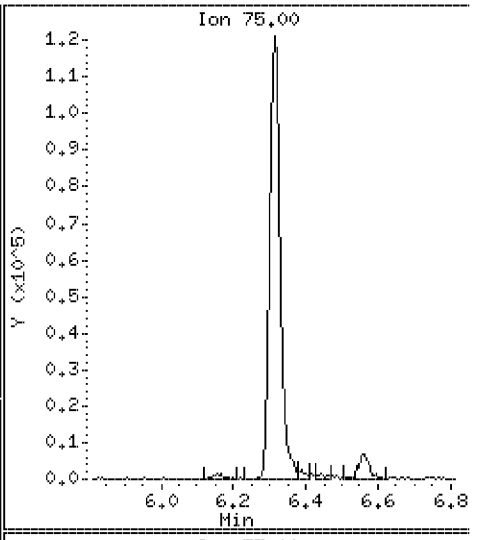
Concentration: 108 ug/l

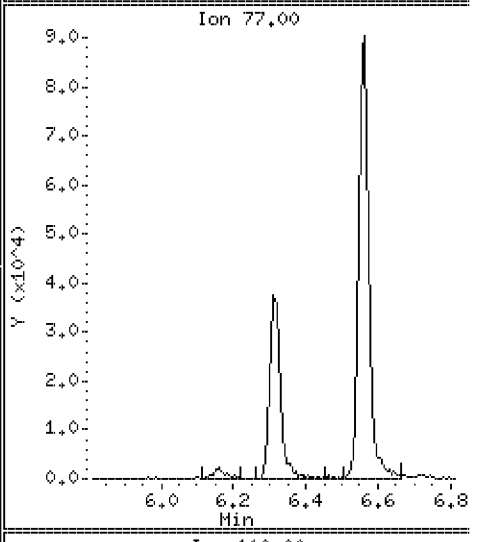


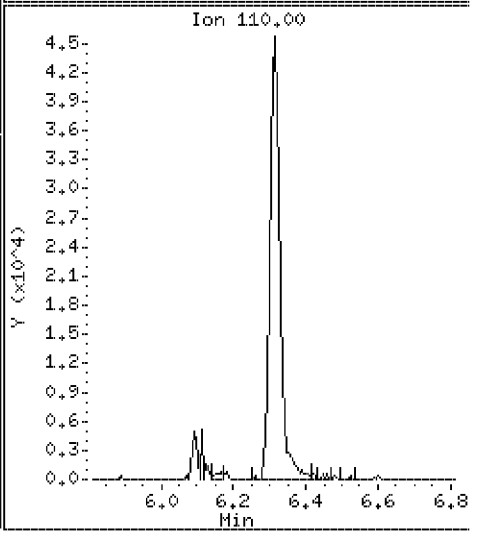












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

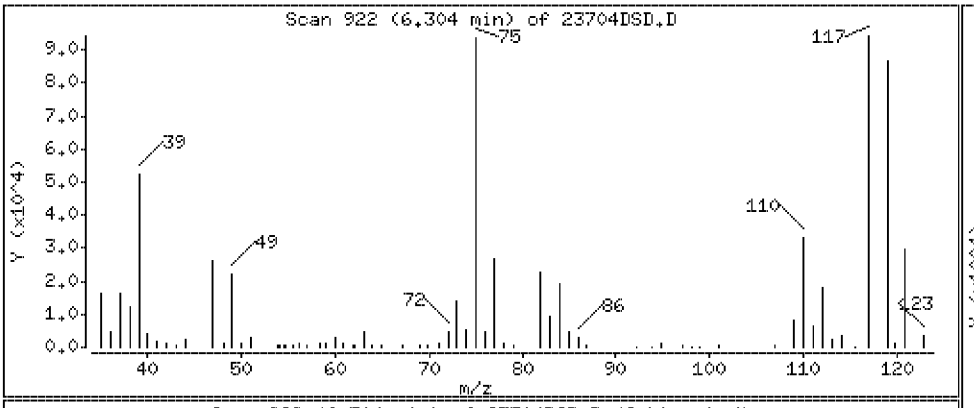
Operator:

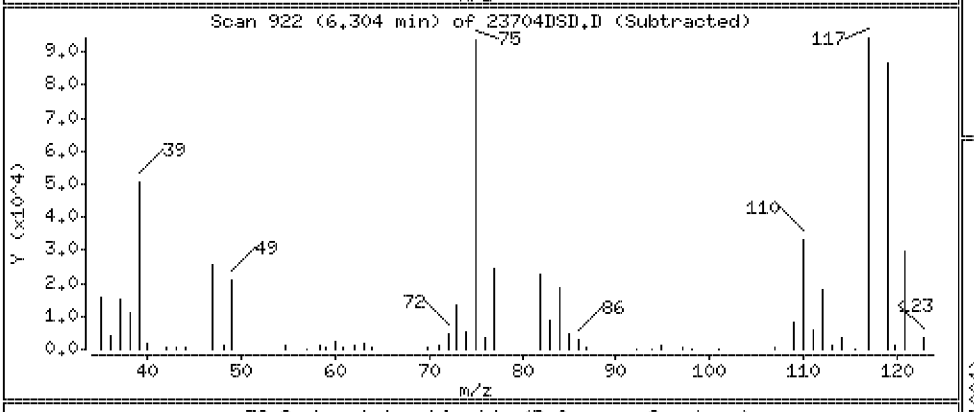
Column phase: RTX-502.2

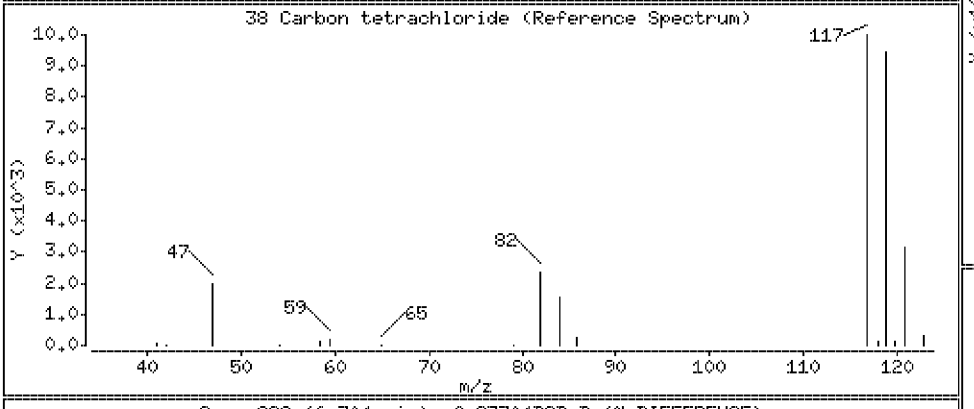
Column diameter: 0.18

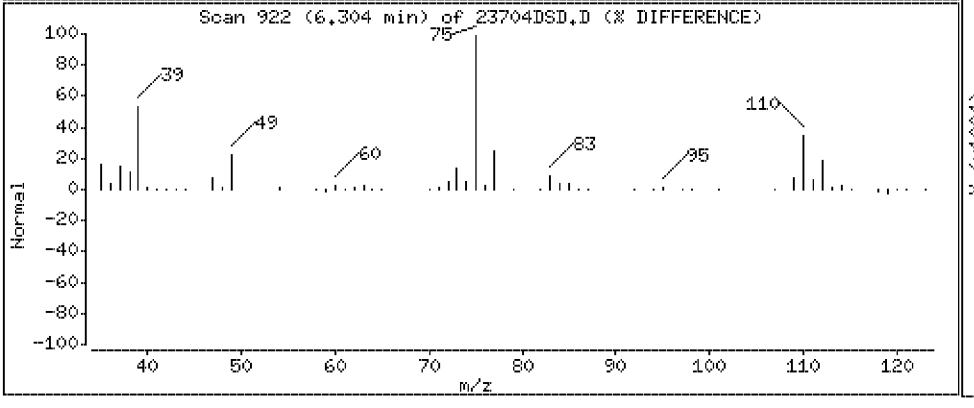
38 Carbon tetrachloride

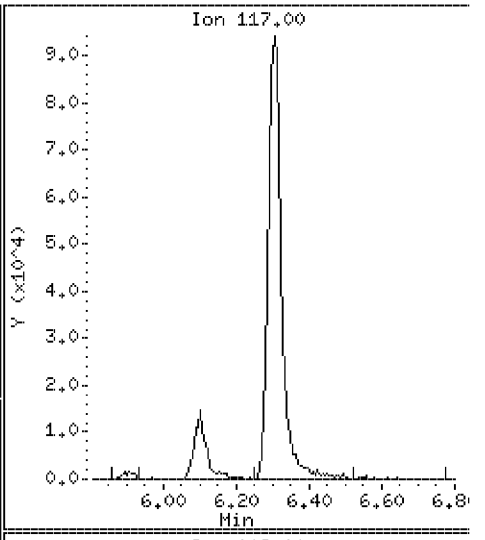
Concentration: 96.1 ug/l

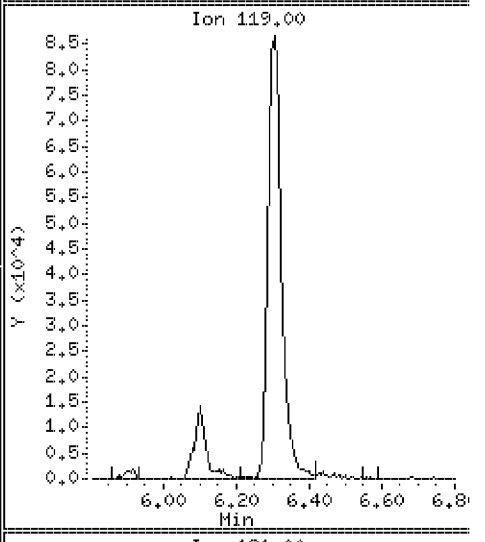


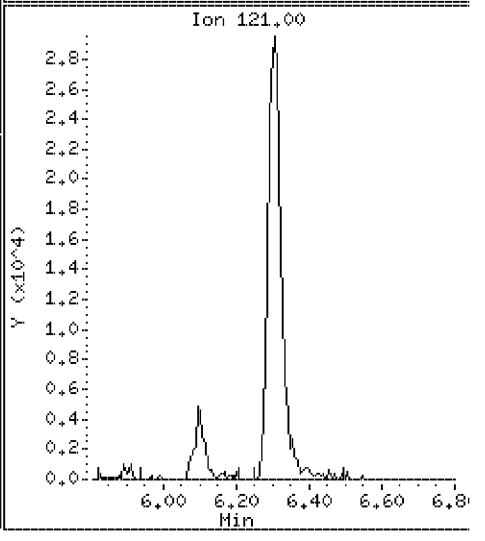












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

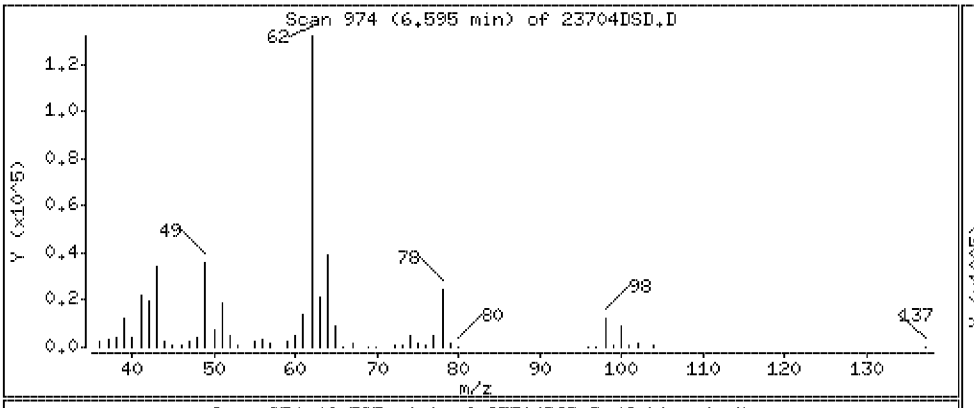
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

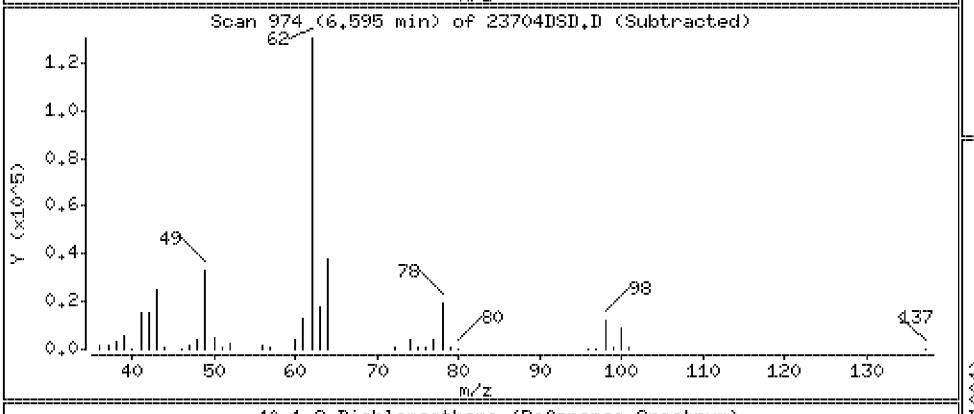
Sample Info: 350023704;3500237;5;

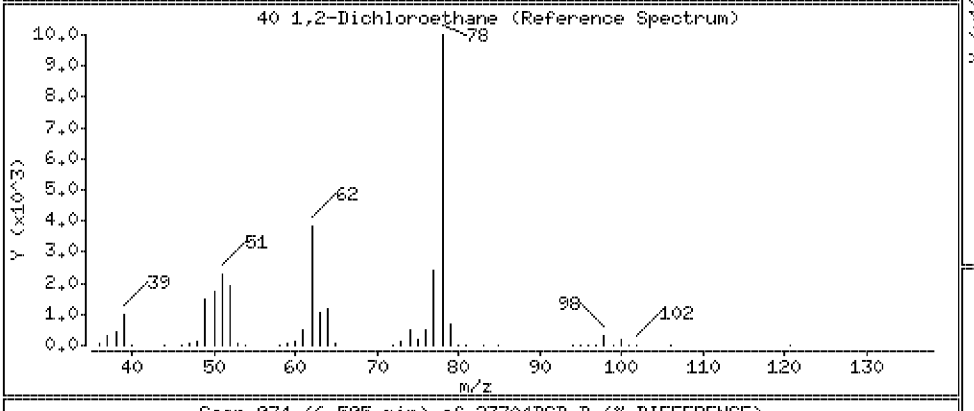
Purge Volume: 5.0 Operator:

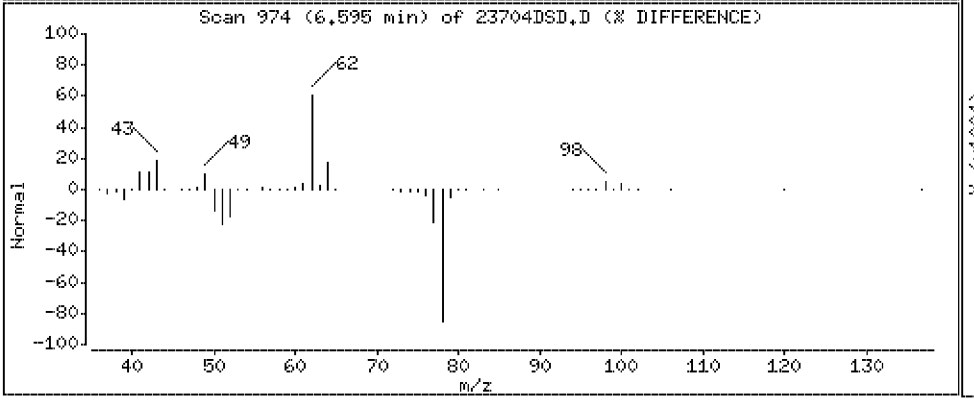
Column phase: RTX-502.2 Column diameter: 0.18

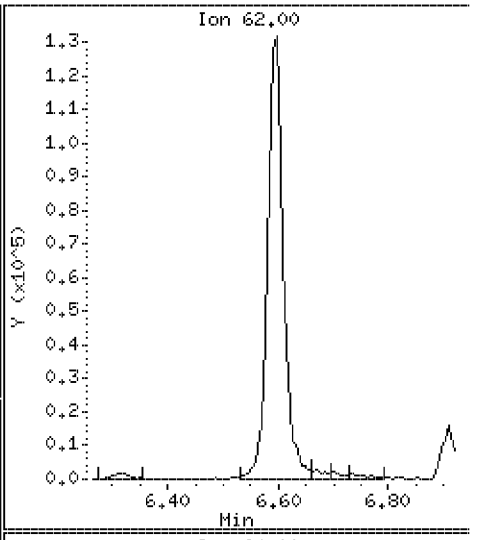
40 1,2-Dichloroethane Concentration: 103 ug/l

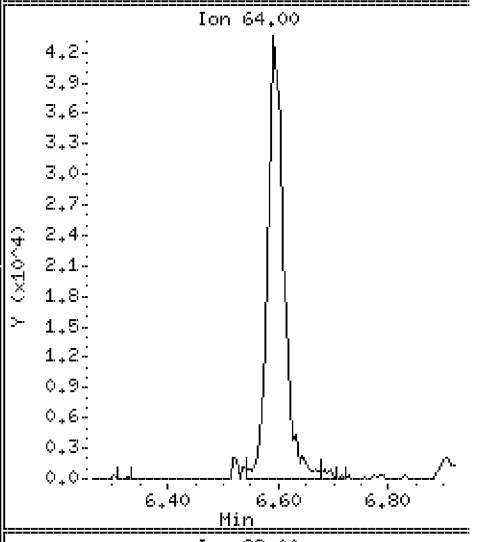


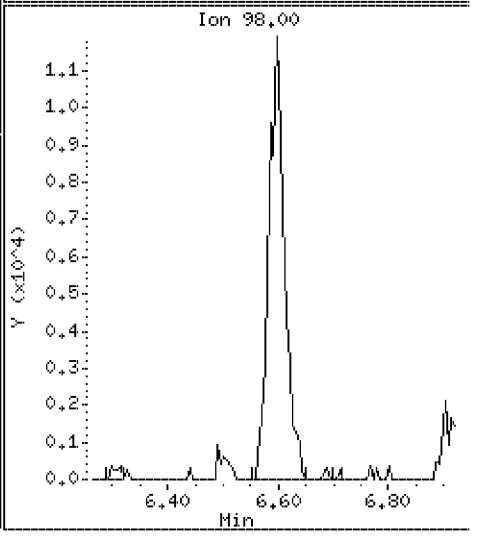












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

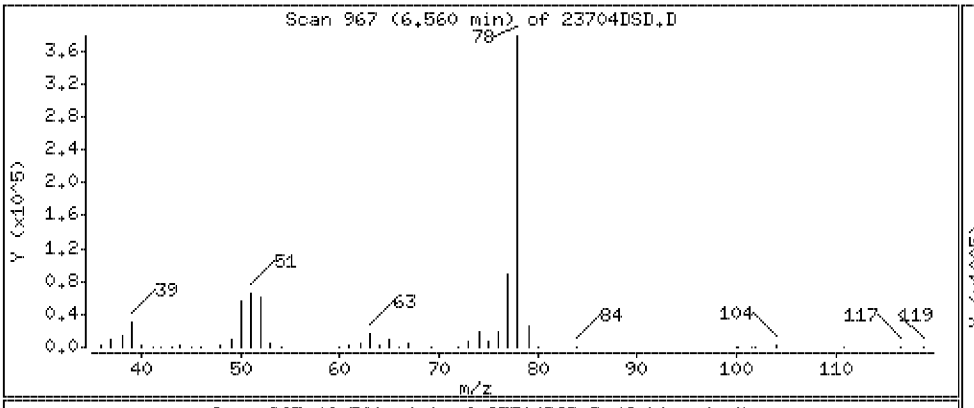
Operator:

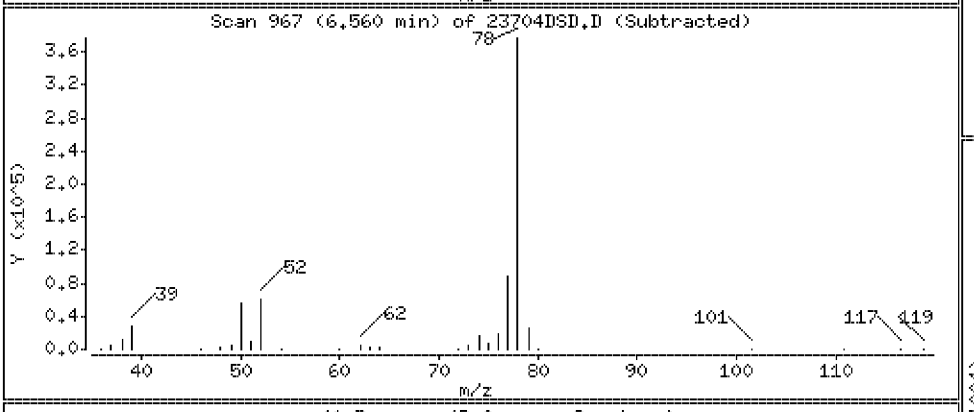
Column phase: RTX-502.2

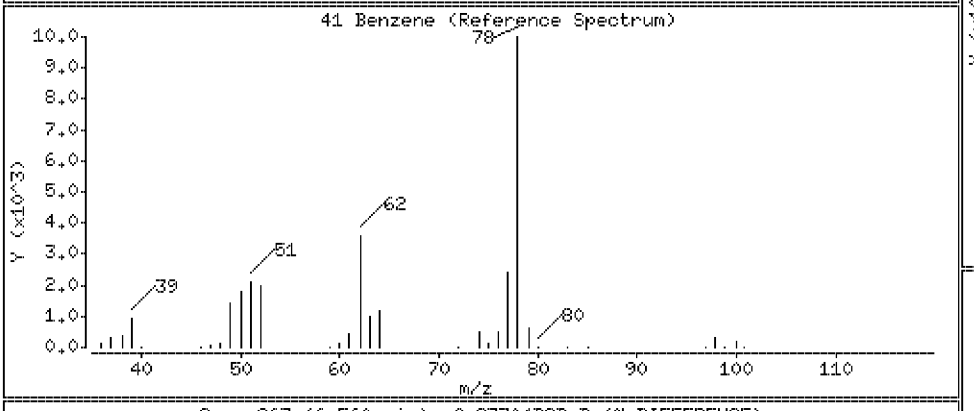
Column diameter: 0.18

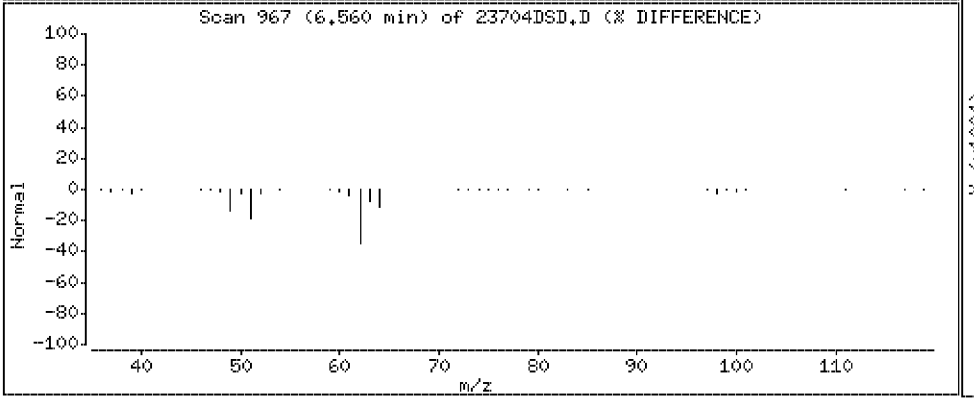
41 Benzene

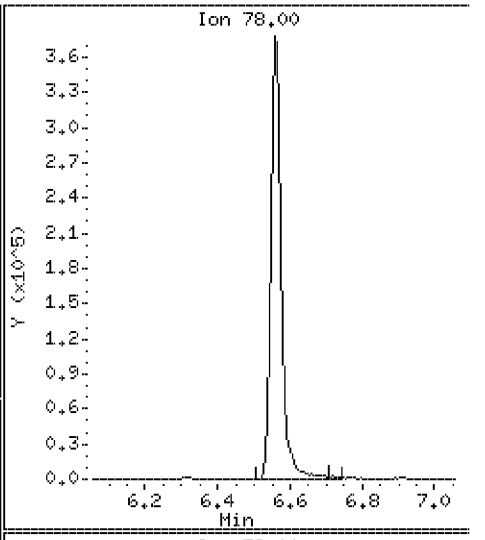
Concentration: 114 ug/l

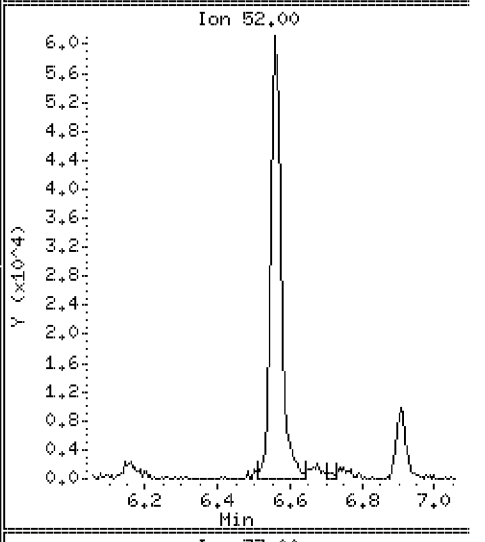


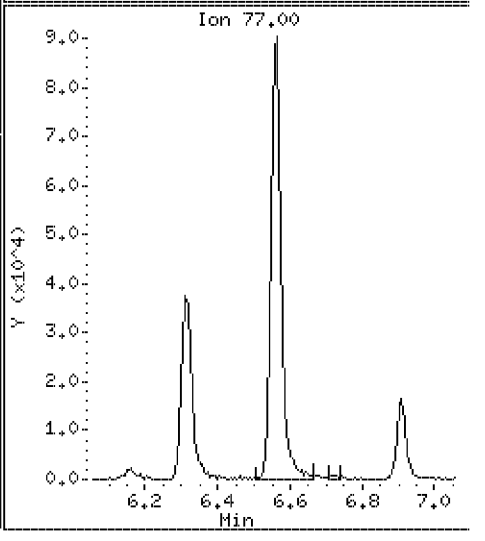












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

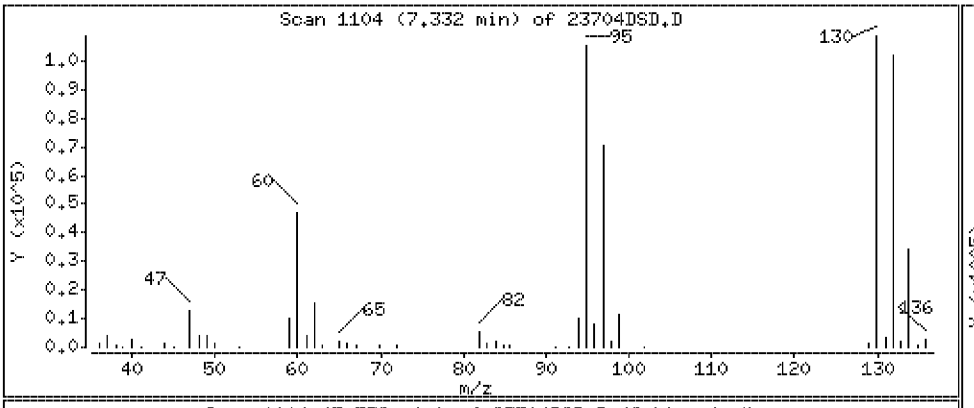
Operator:

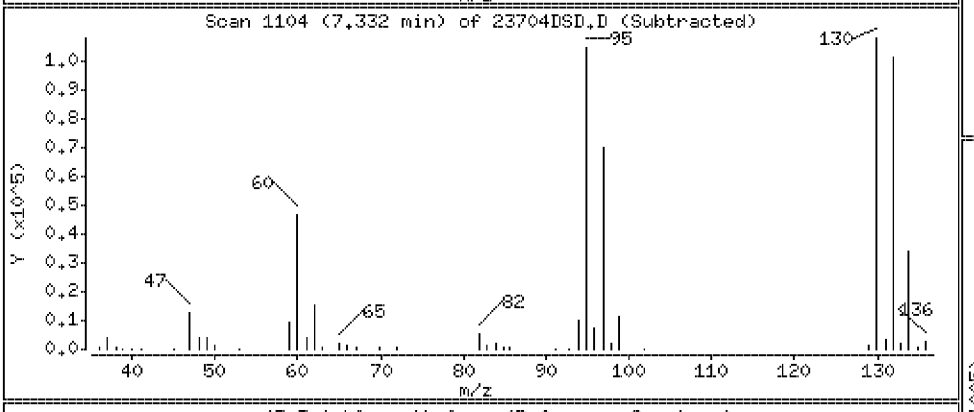
Column phase: RTX-502.2

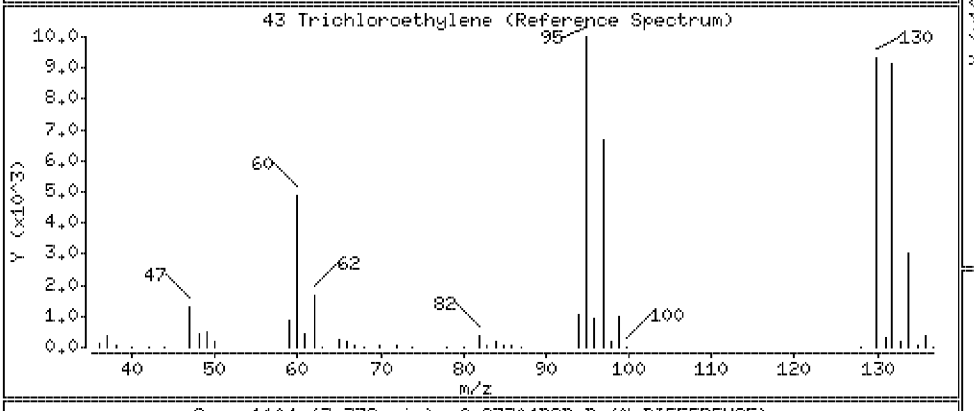
Column diameter: 0.18

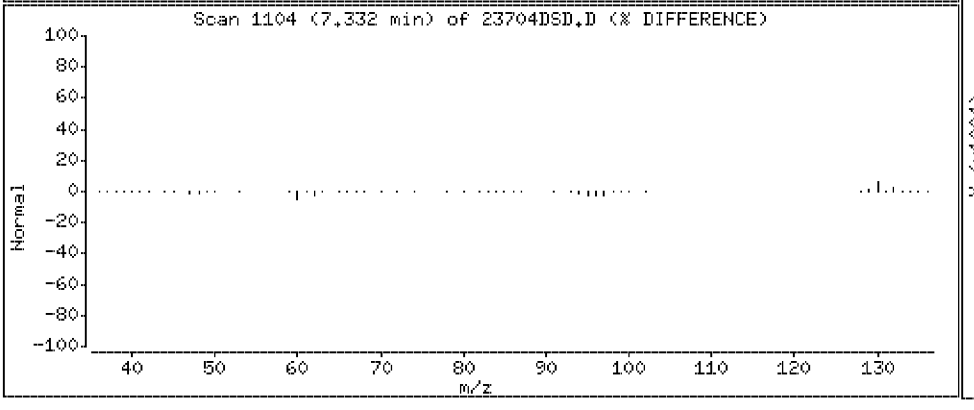
43 Trichloroethylene

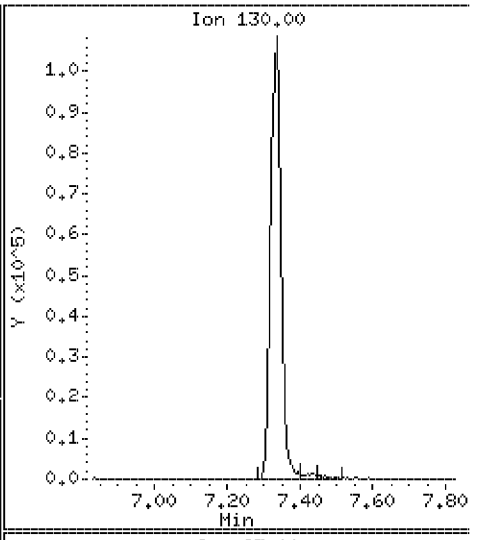
Concentration: 109 ug/l

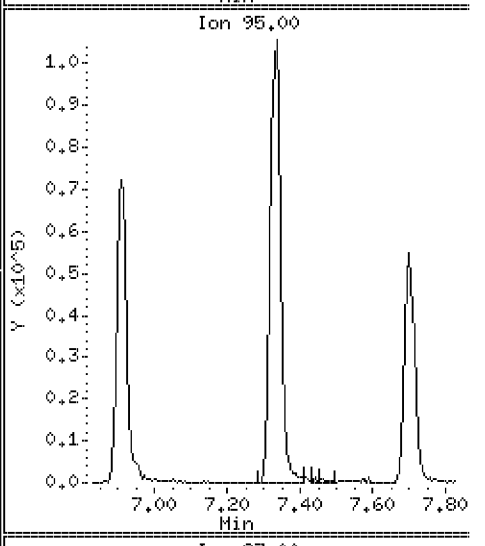


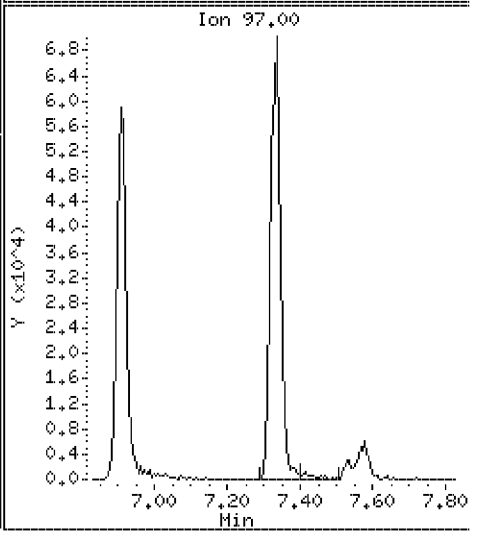












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

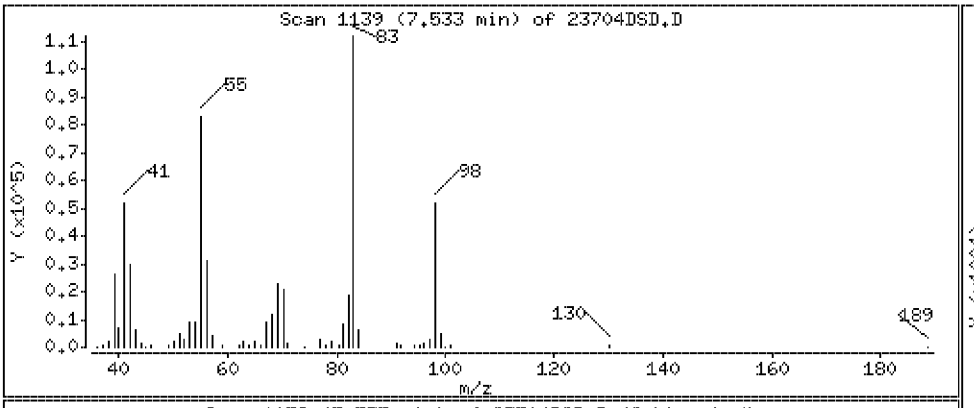
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

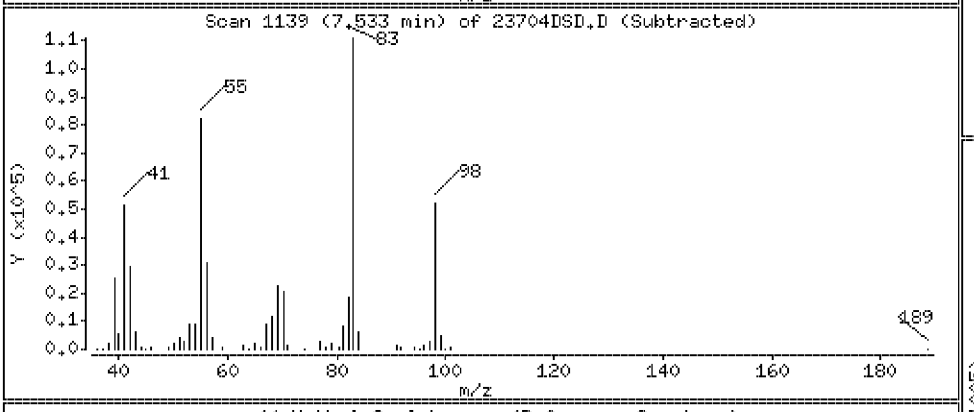
Sample Info: 350023704;3500237;5;

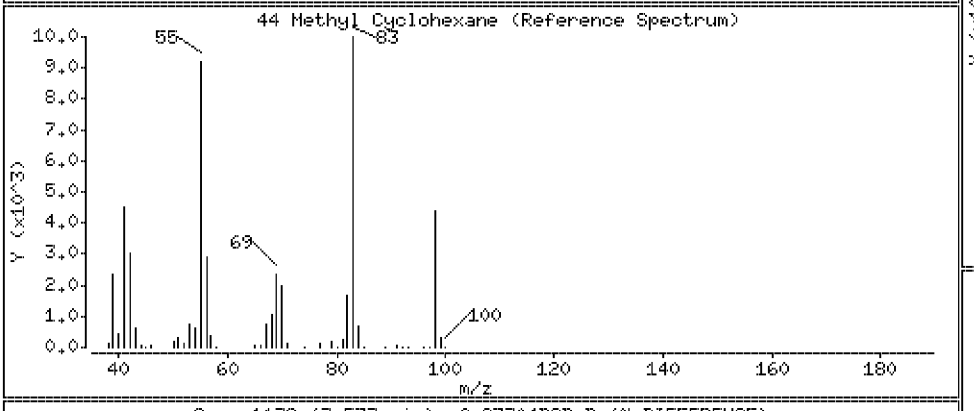
Purge Volume: 5.0 Operator:

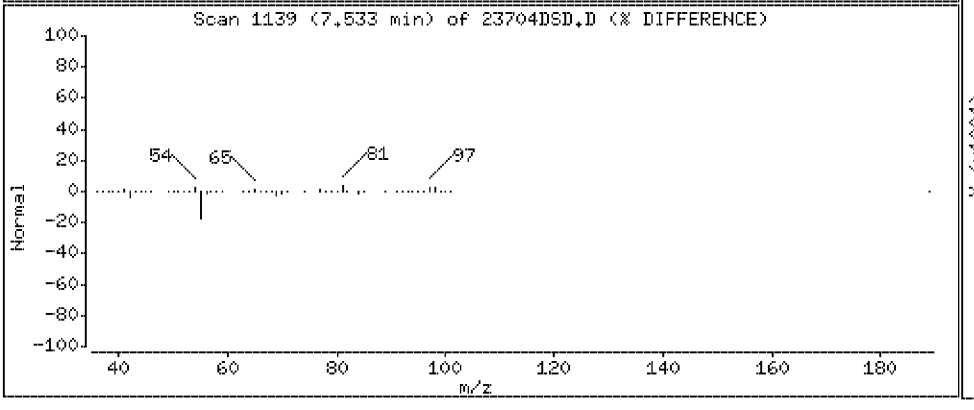
Column phase: RTX-502.2 Column diameter: 0.18

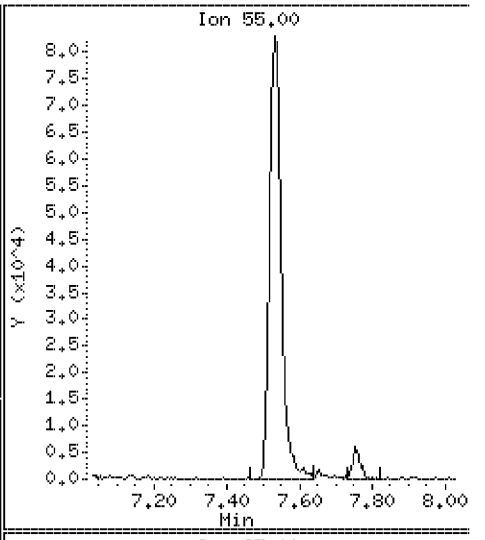
44 Methyl Cyclohexane Concentration: 108 ug/l

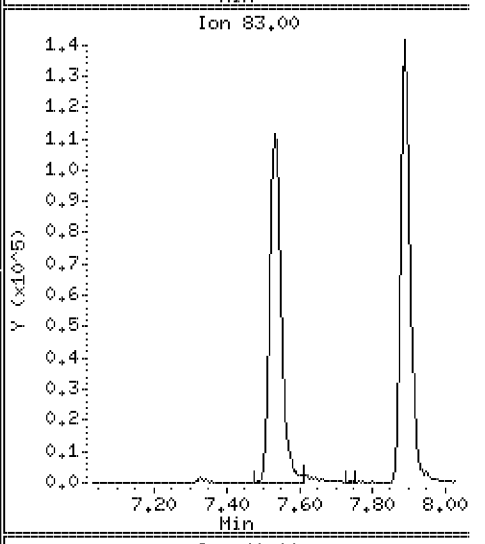


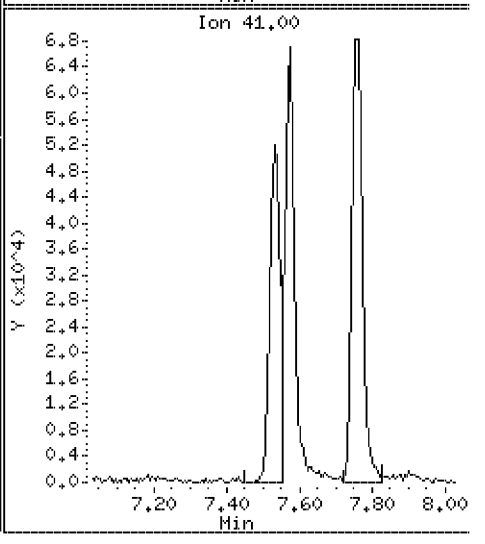












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

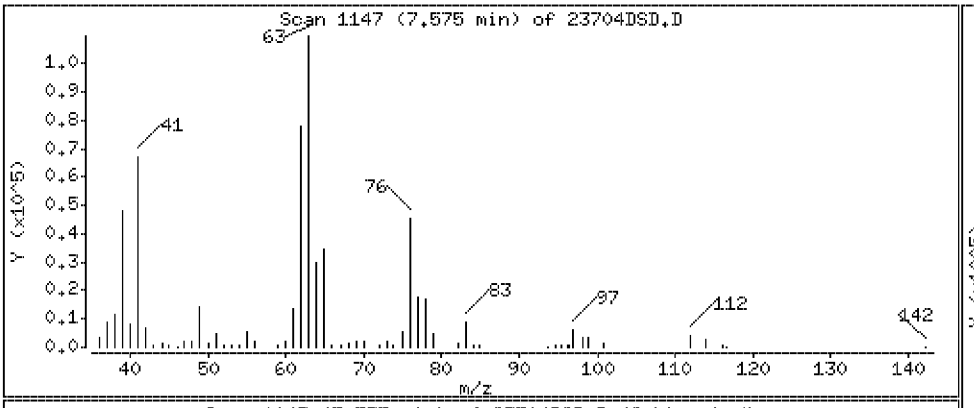
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

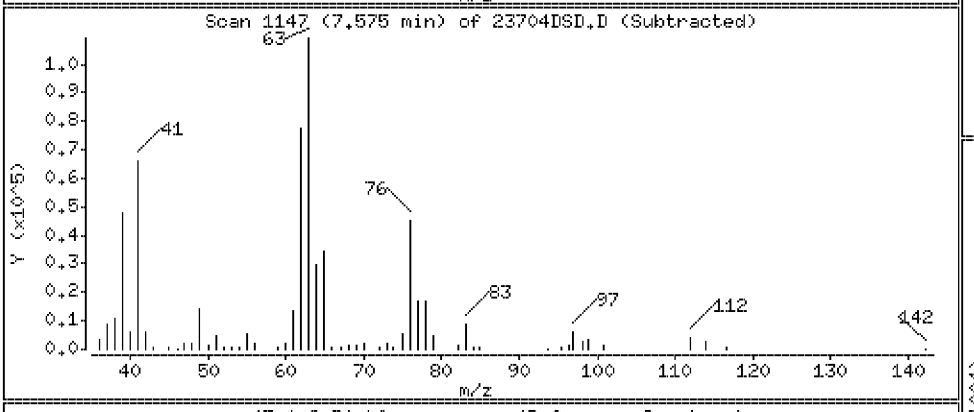
Sample Info: 350023704;3500237;5;

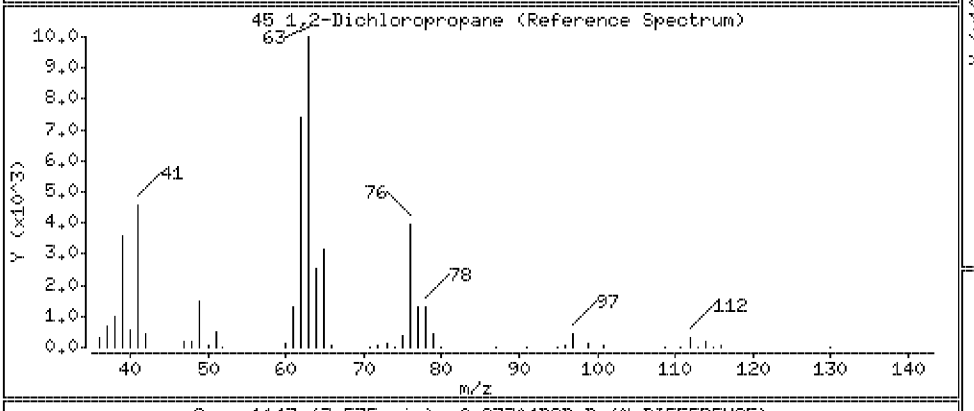
Purge Volume: 5.0 Operator:

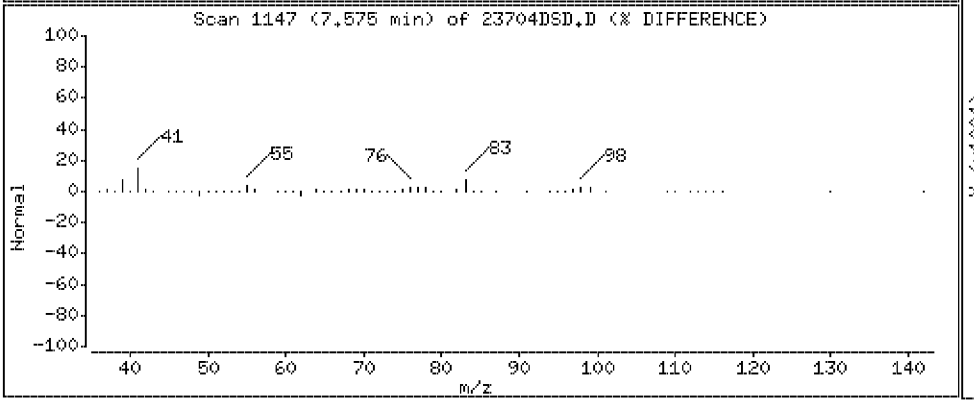
Column phase: RTX-502.2 Column diameter: 0.18

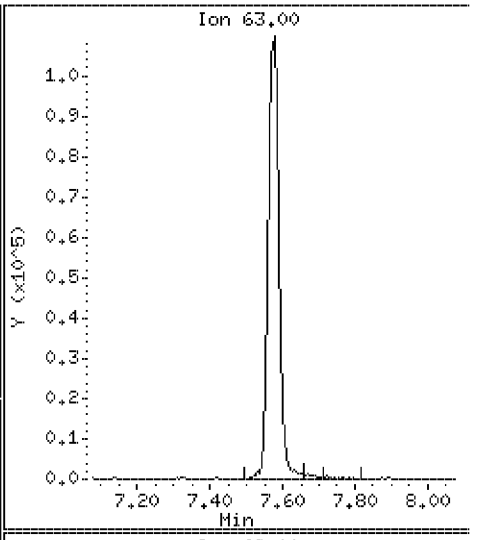
45 1,2-Dichloropropane Concentration: 112 ug/l

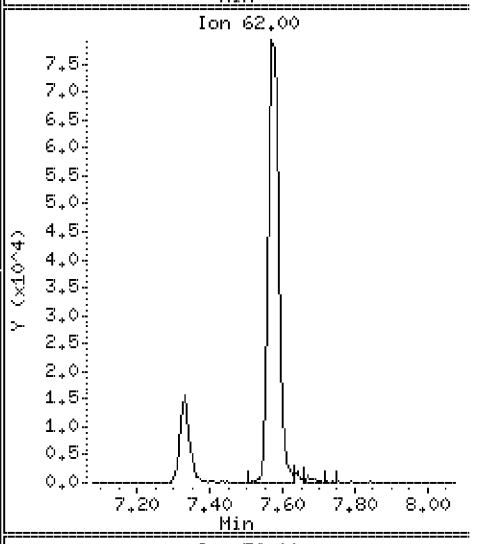


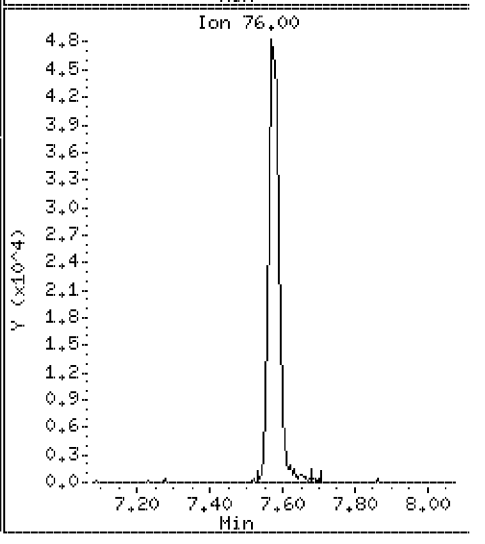












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

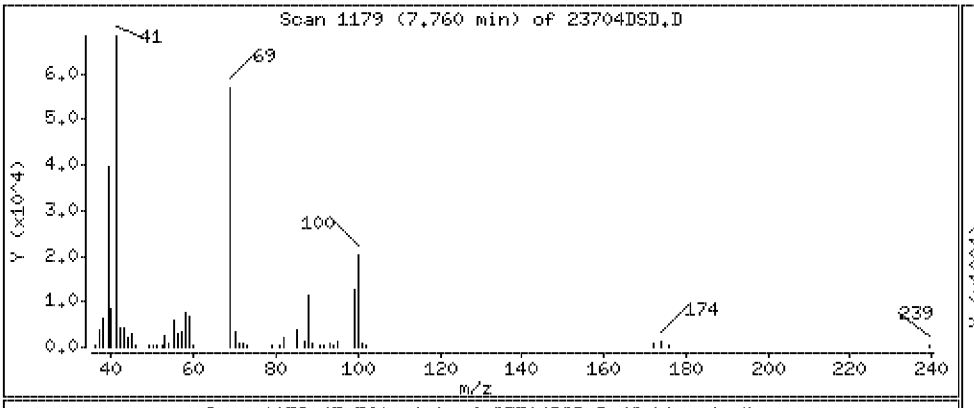
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

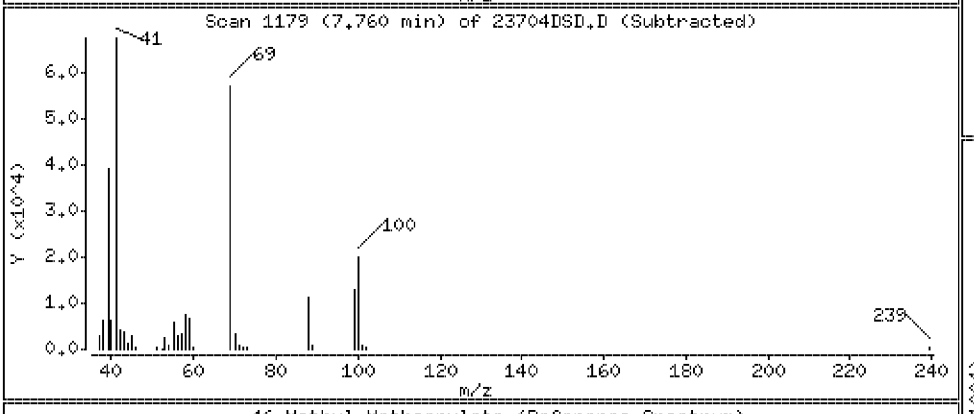
Sample Info: 350023704;3500237;5;

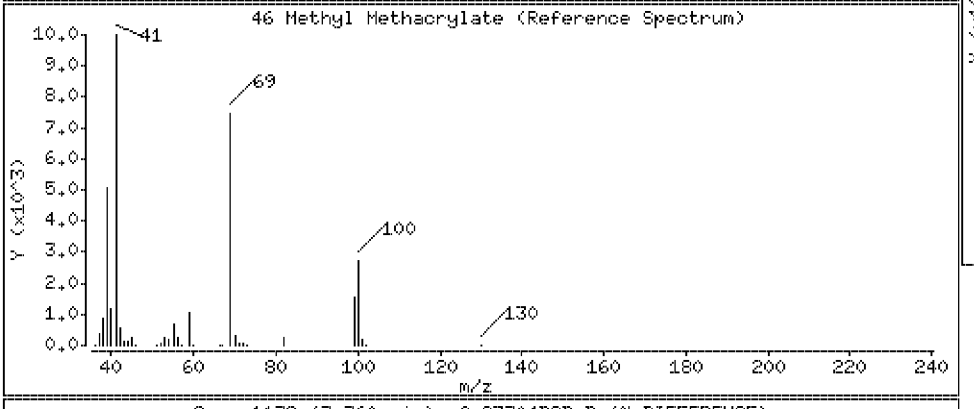
Purge Volume: 5.0 Operator:

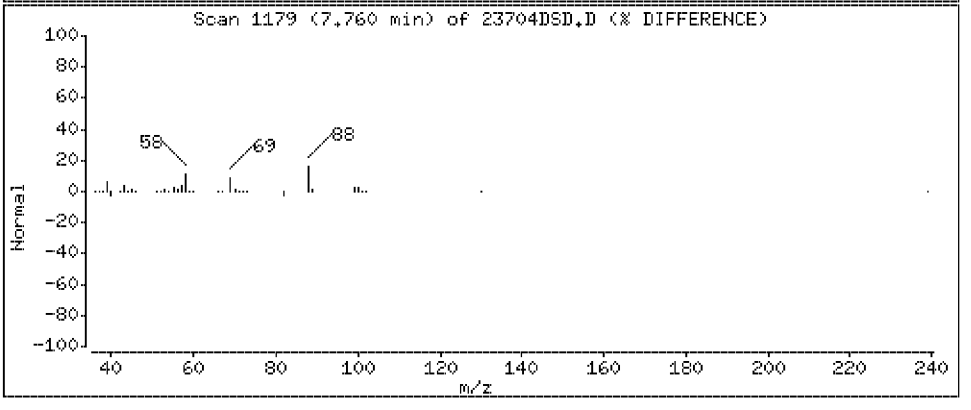
Column phase: RTX-502.2 Column diameter: 0.18

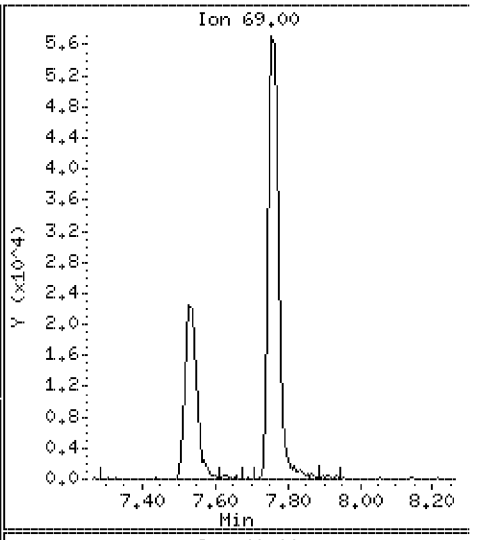
46 Methyl Methacrylate Concentration: 96.5 ug/l

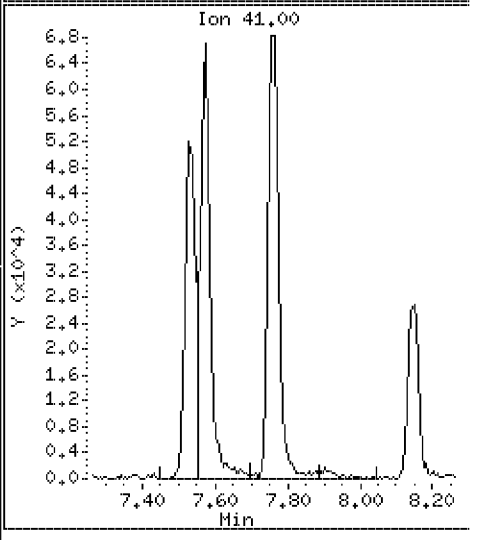












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

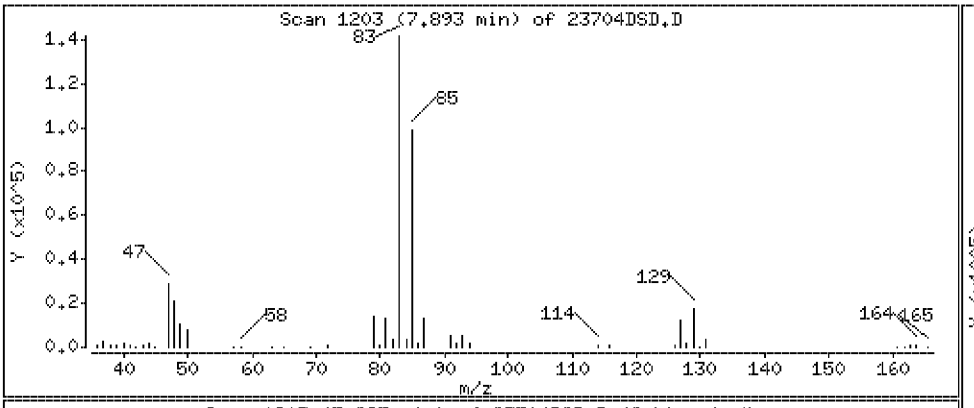
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

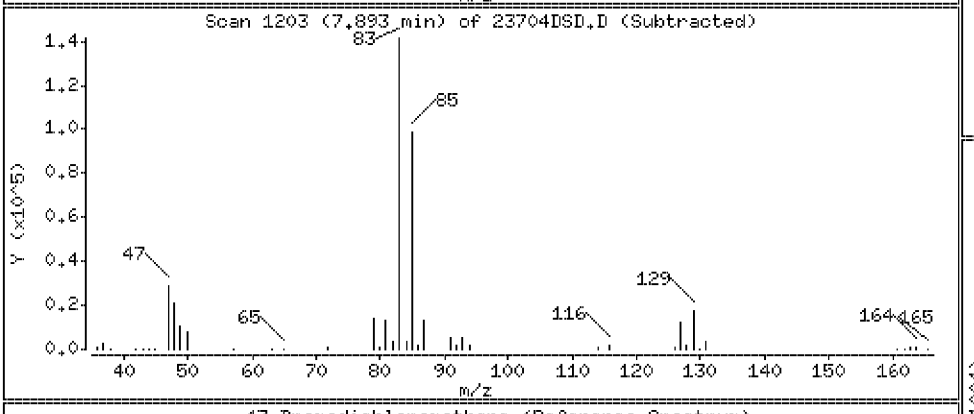
Sample Info: 350023704;3500237;5;

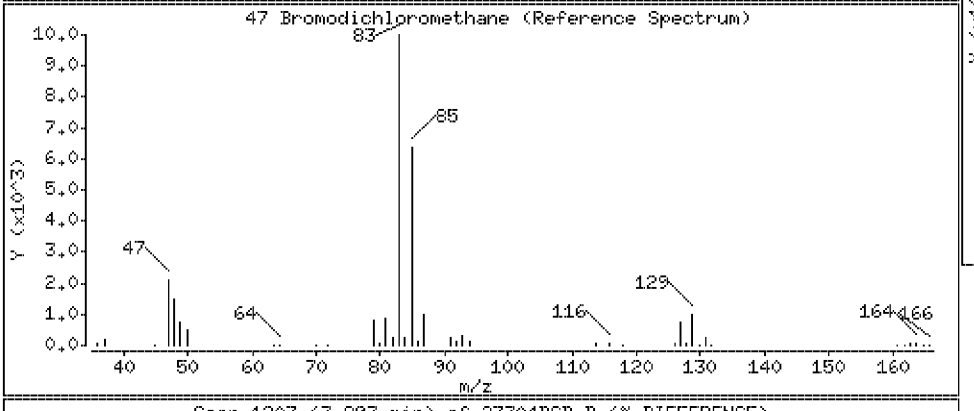
Purge Volume: 5.0 Operator:

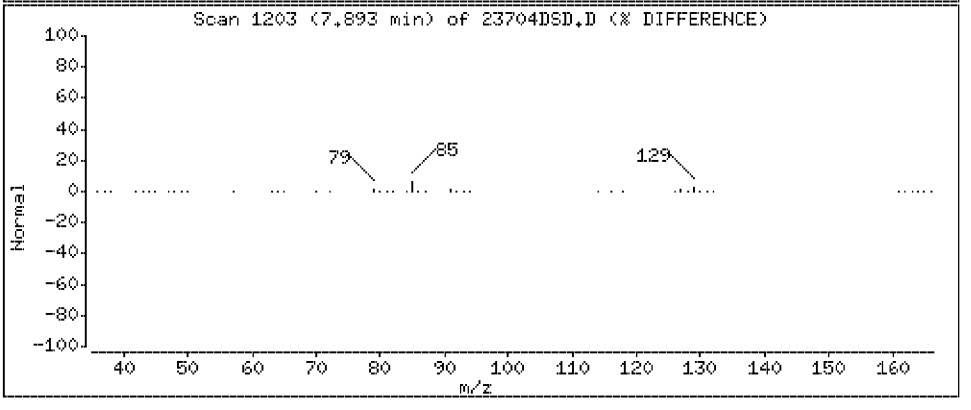
Column phase: RTX-502.2 Column diameter: 0.18

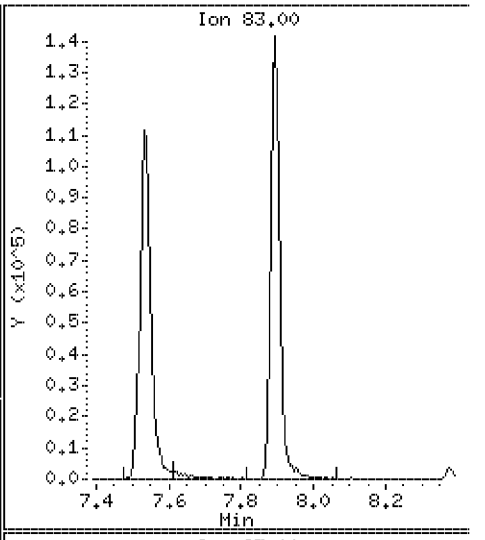
47 Bromodichloromethane Concentration: 104 ug/l

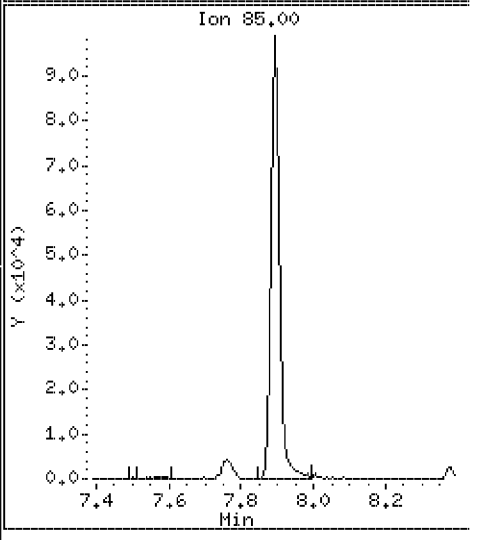












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

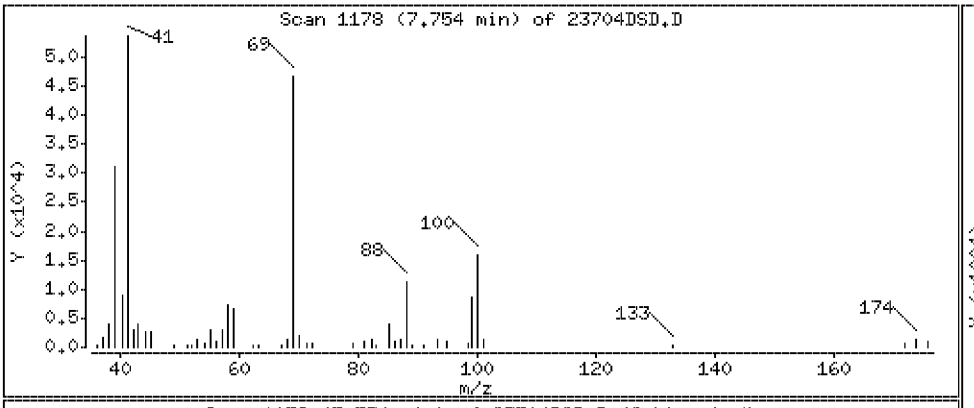
Operator:

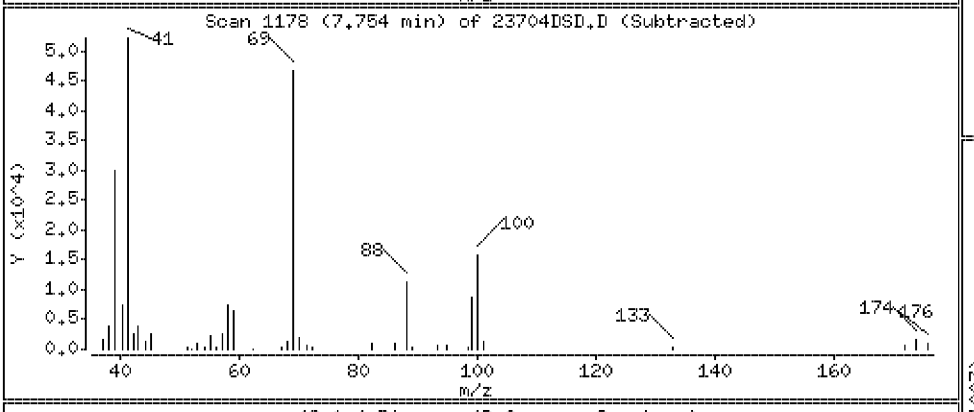
Column phase: RTX-502.2

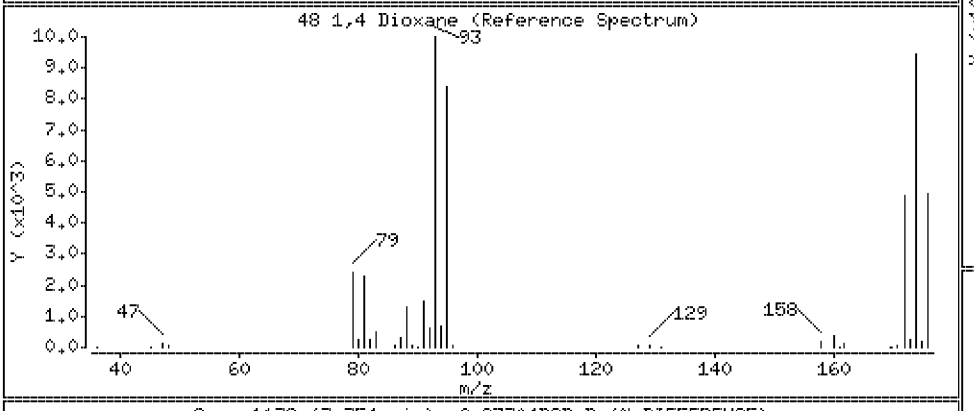
Column diameter: 0.18

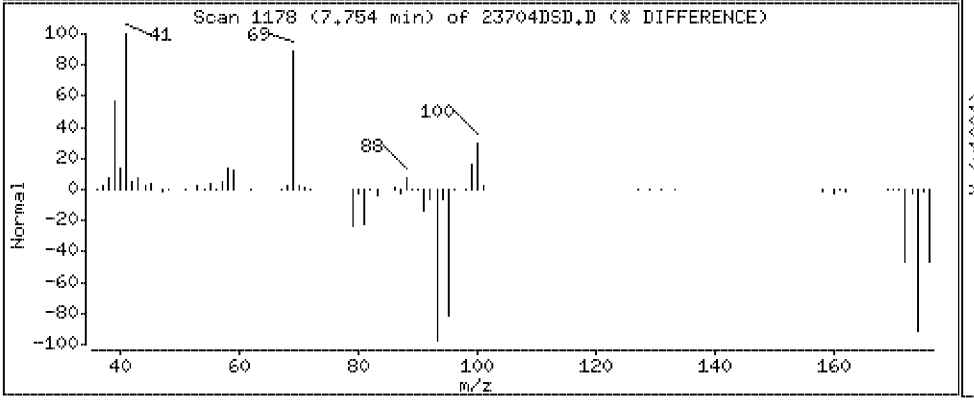
48 1,4 Dioxane

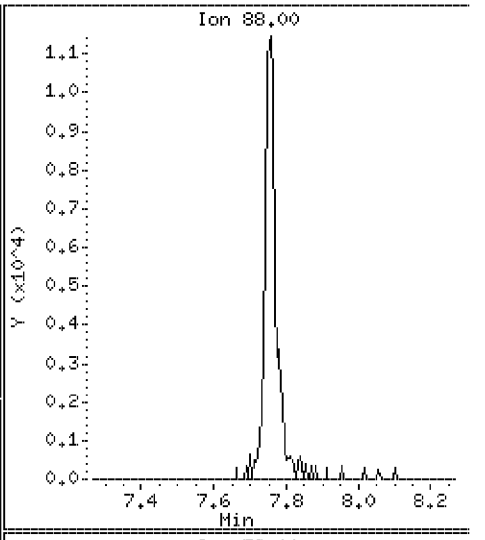
Concentration: 2010 ug/l

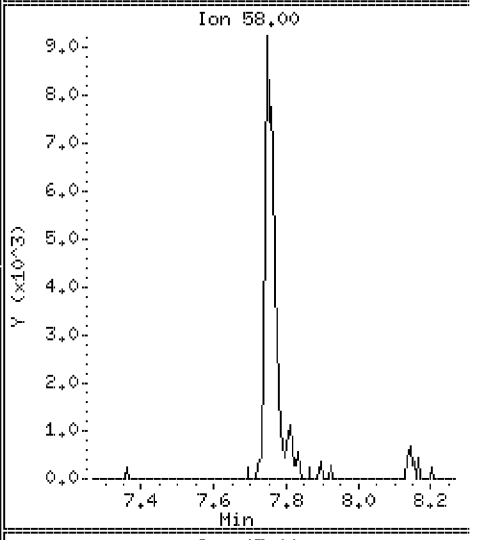


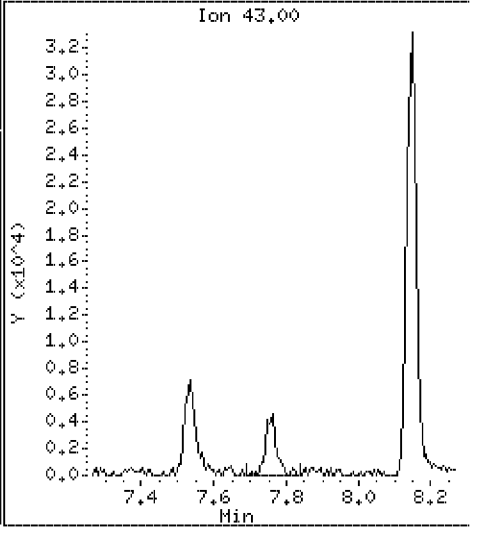












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

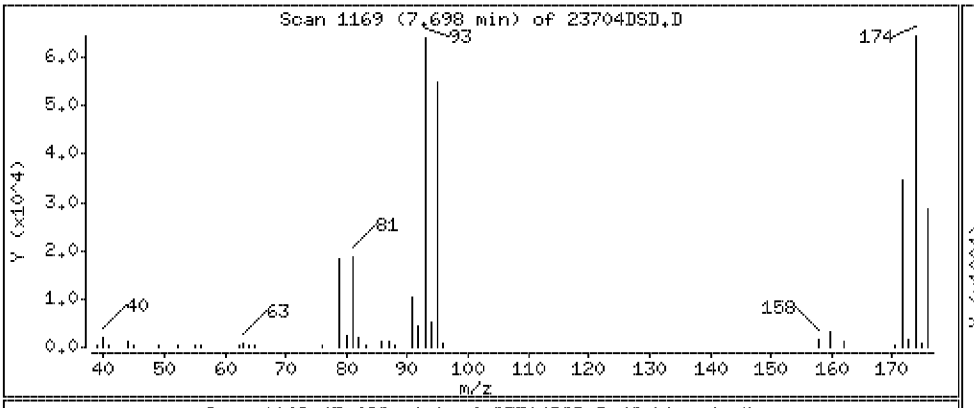
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

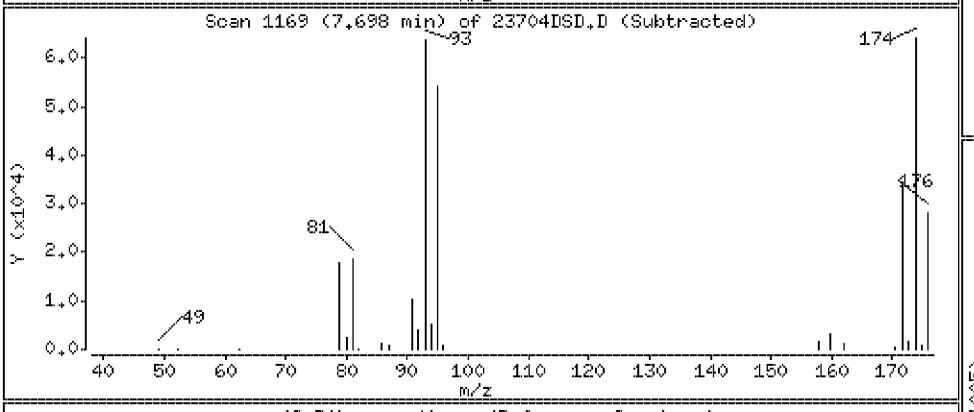
Sample Info: 350023704;3500237;5;

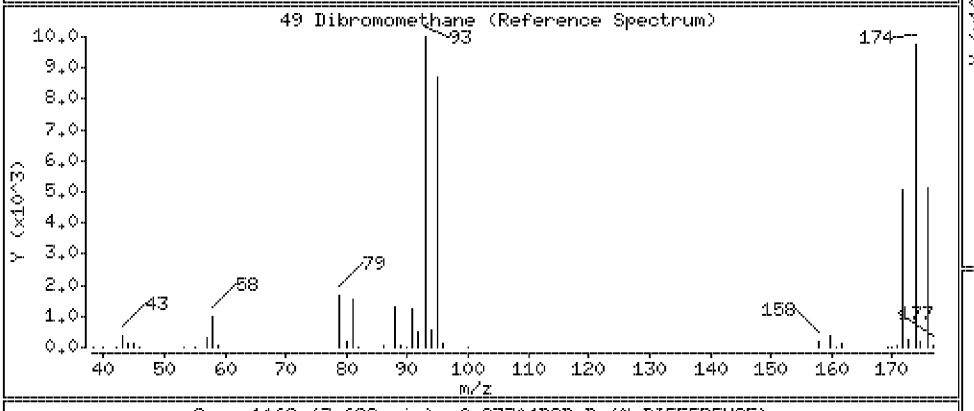
Purge Volume: 5.0 Operator:

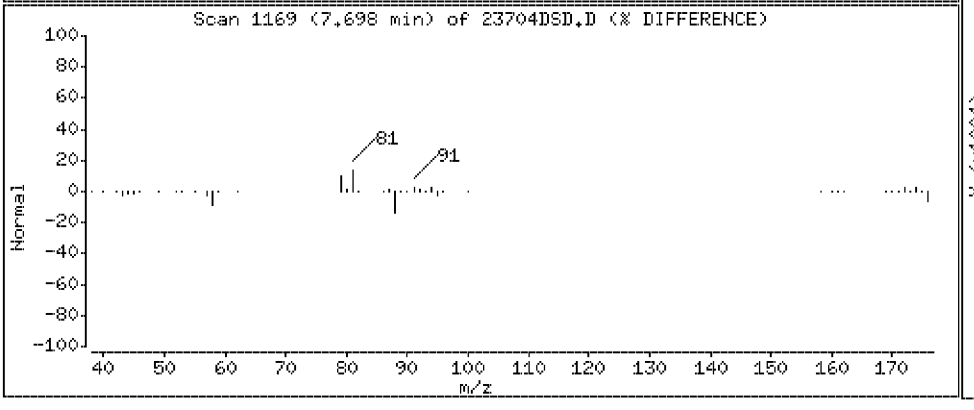
Column phase: RTX-502.2 Column diameter: 0.18

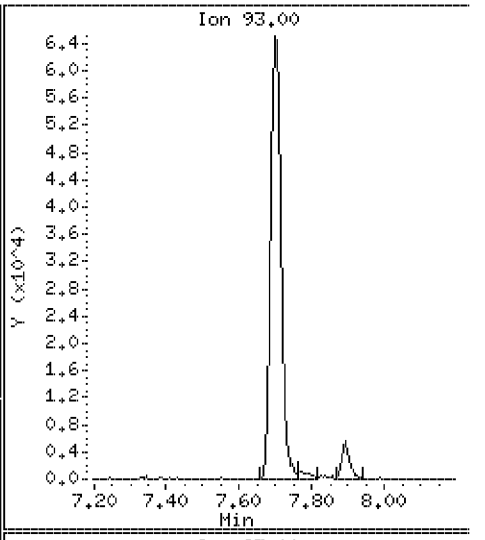
49 Dibromomethane Concentration: 106 ug/l

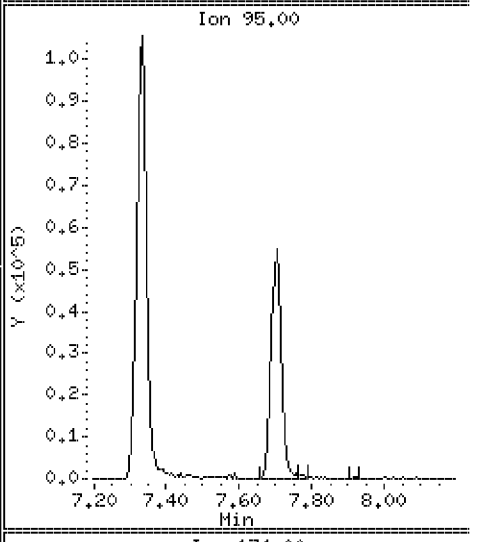


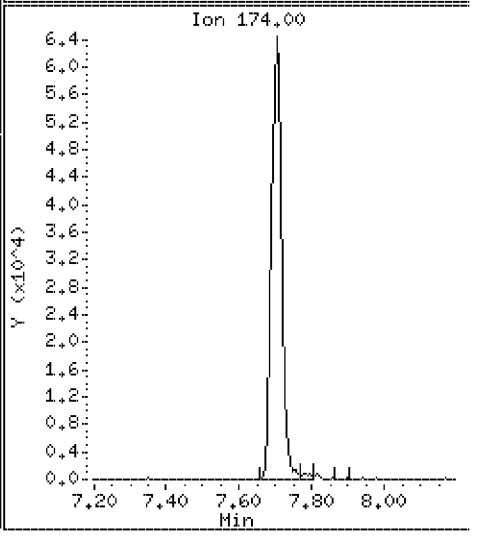












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

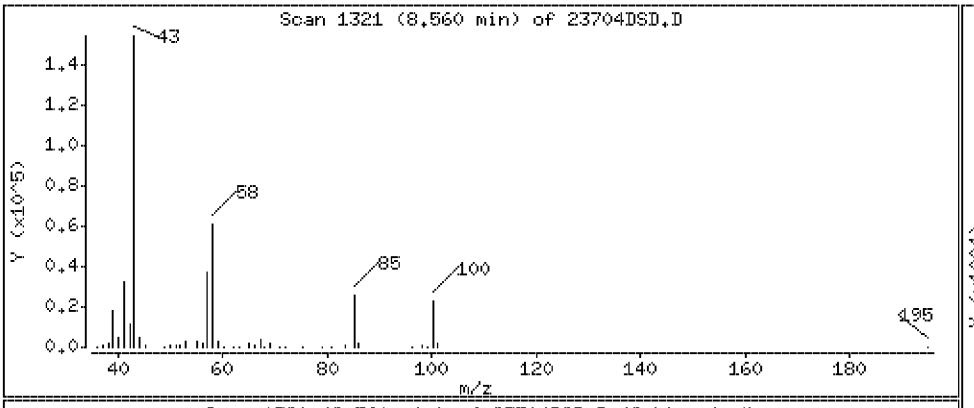
Operator:

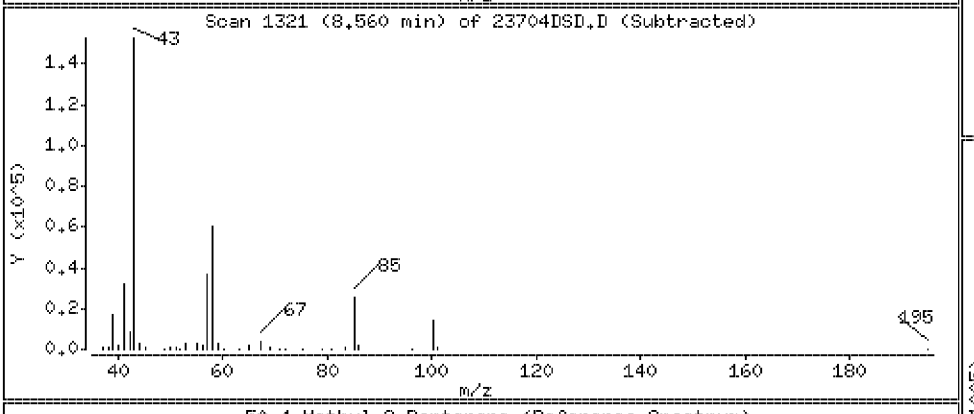
Column phase: RTX-502.2

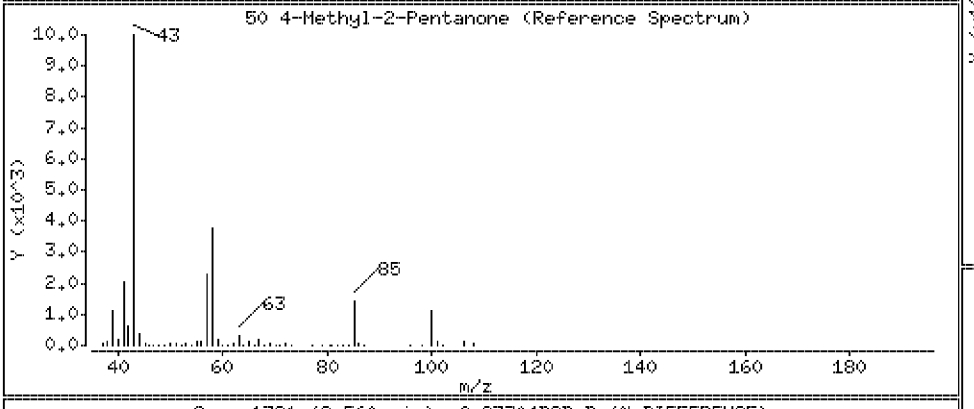
Column diameter: 0.18

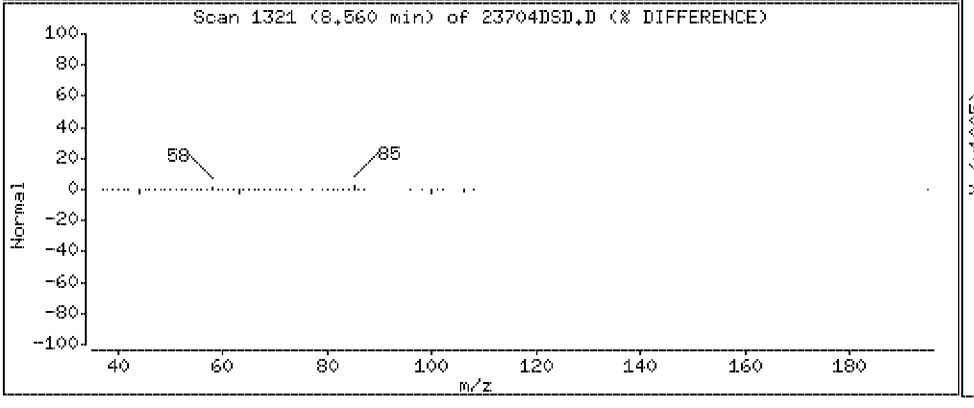
50 4-Methyl-2-Pentanone

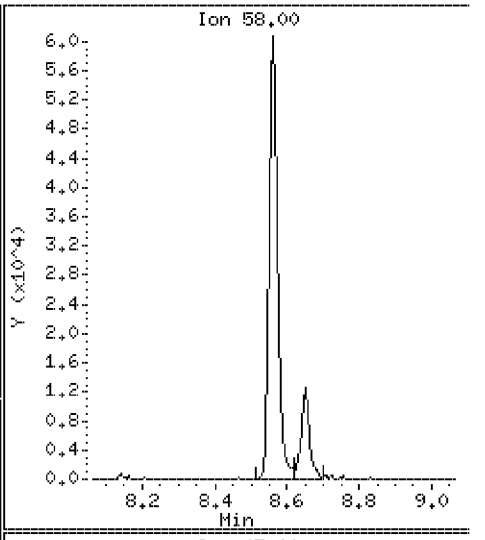
Concentration: 207 ug/l

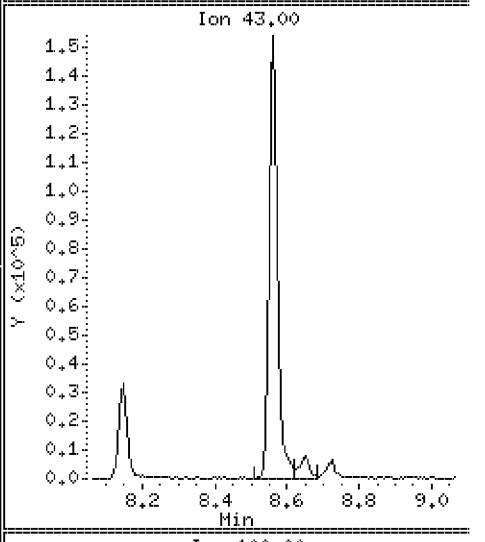


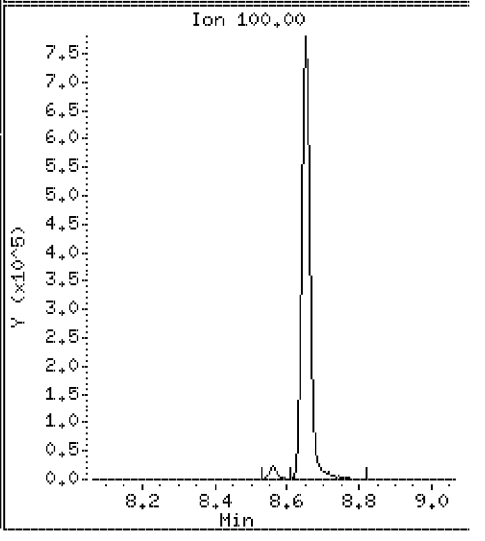












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

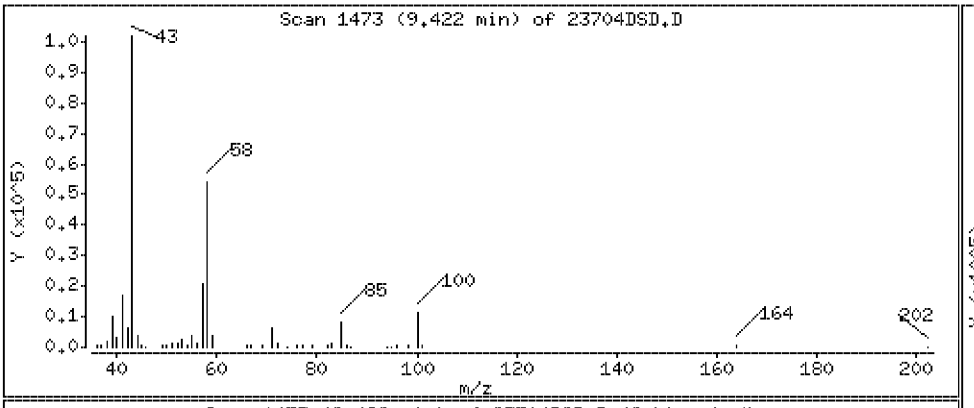
Operator:

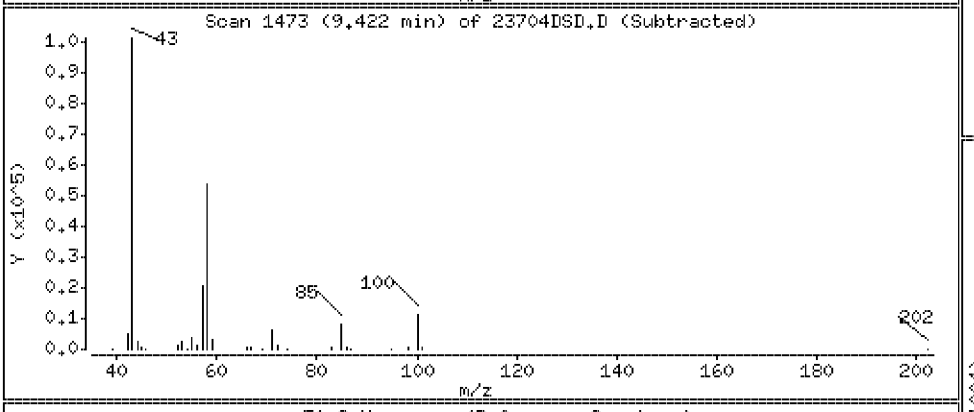
Column phase: RTX-502.2

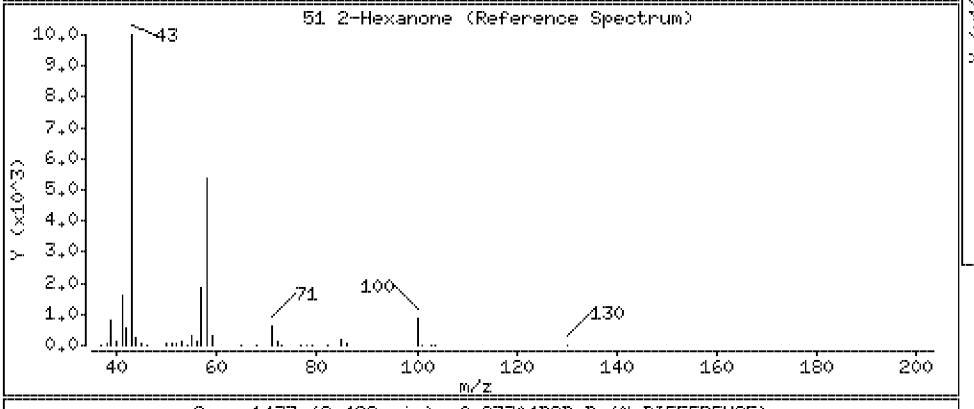
Column diameter: 0.18

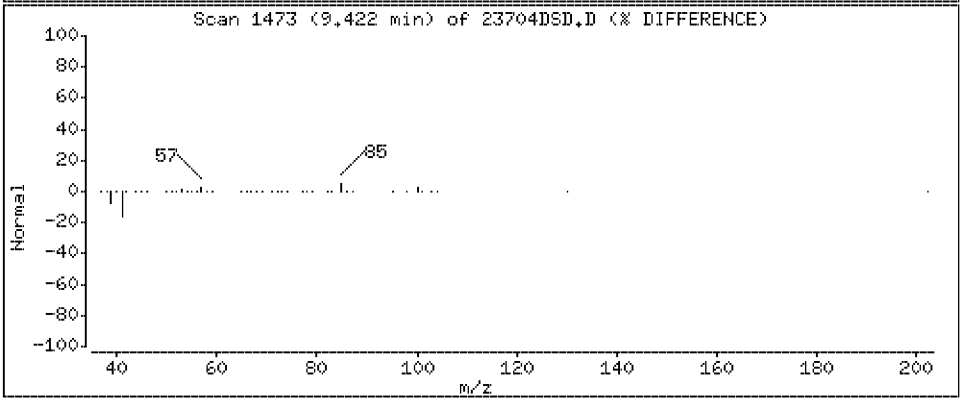
51 2-Hexanone

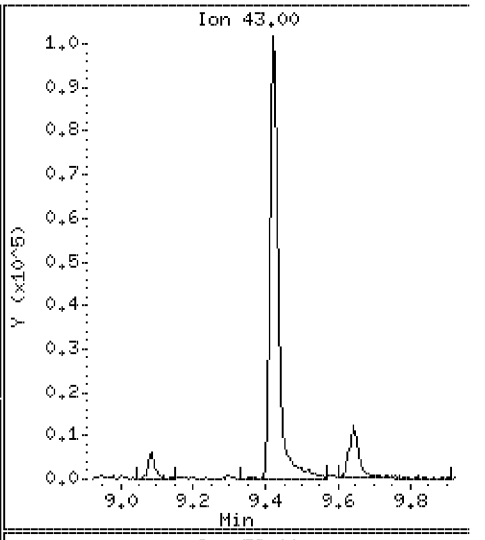
Concentration: 189 ug/l

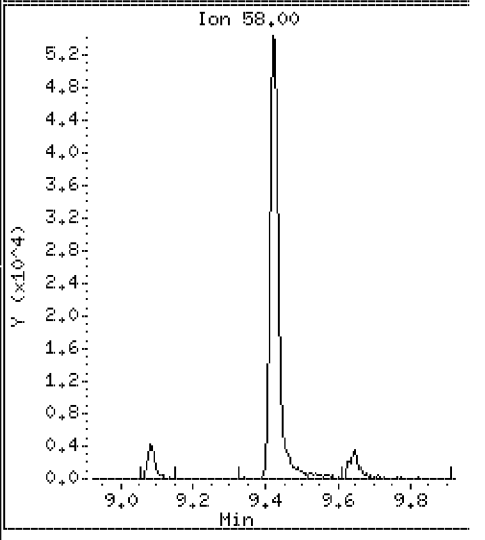












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

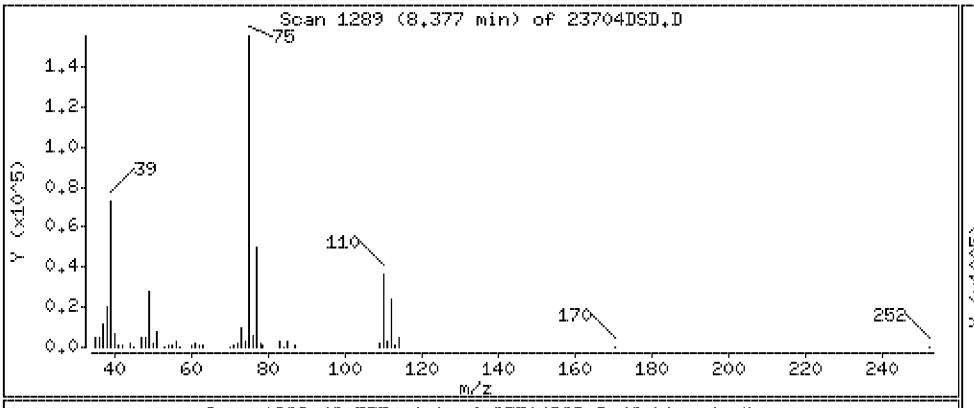
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

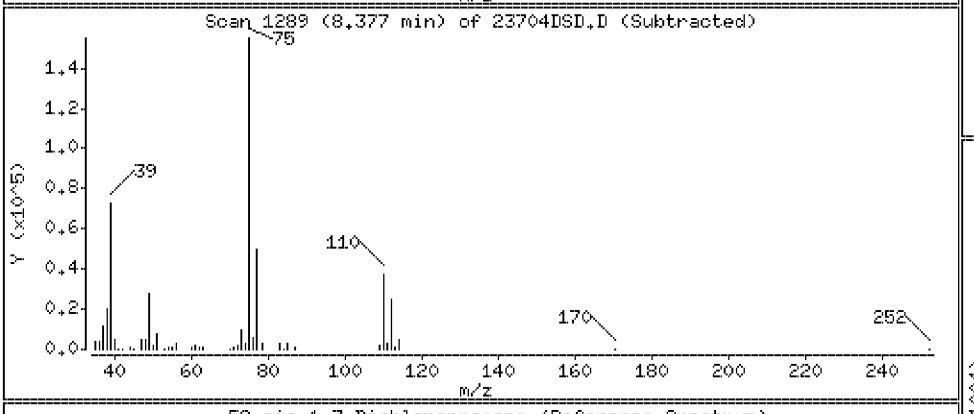
Sample Info: 350023704;3500237;5;

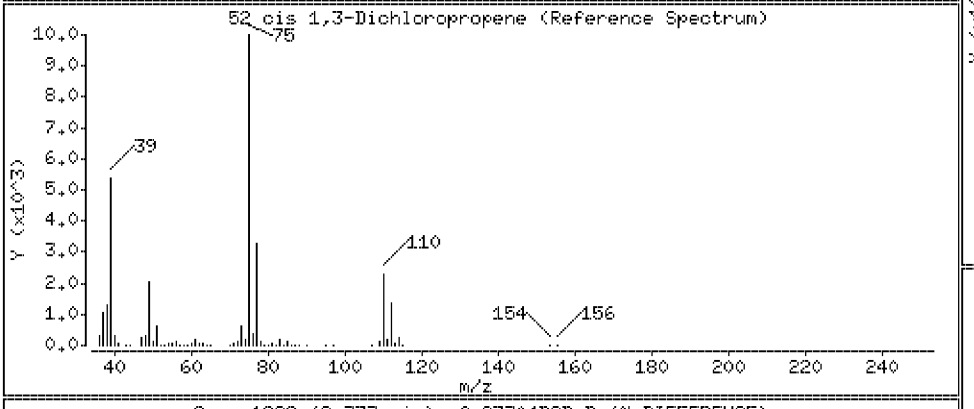
Purge Volume: 5.0 Operator:

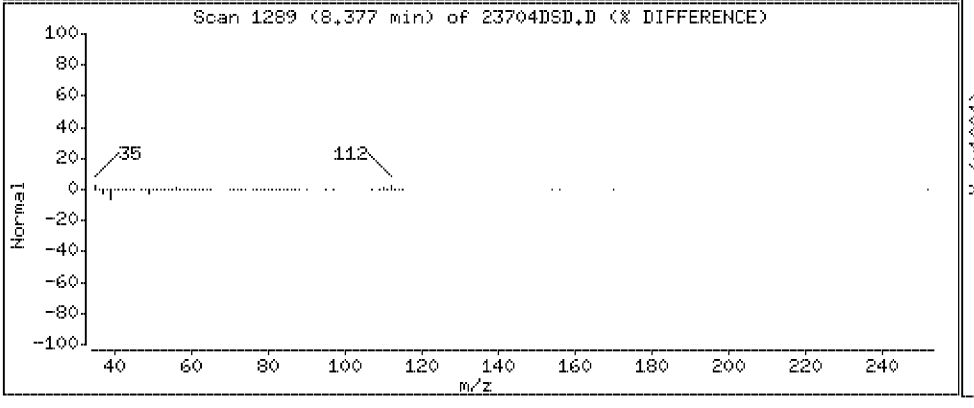
Column phase: RTX-502.2 Column diameter: 0.18

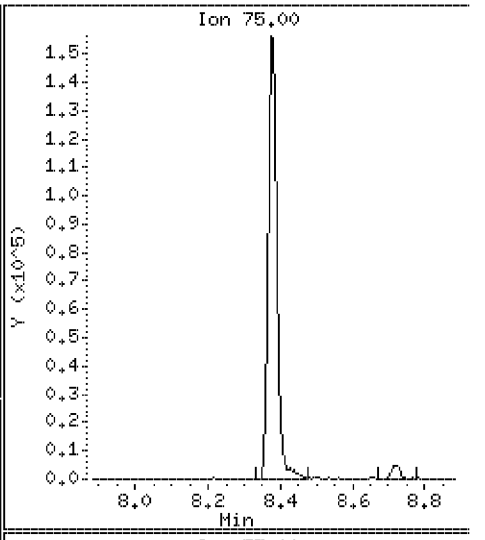
52 cis 1,3-Dichloropropene Concentration: 107 ug/l

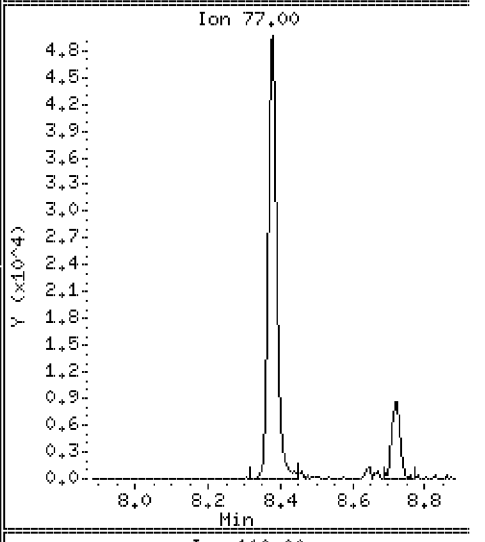


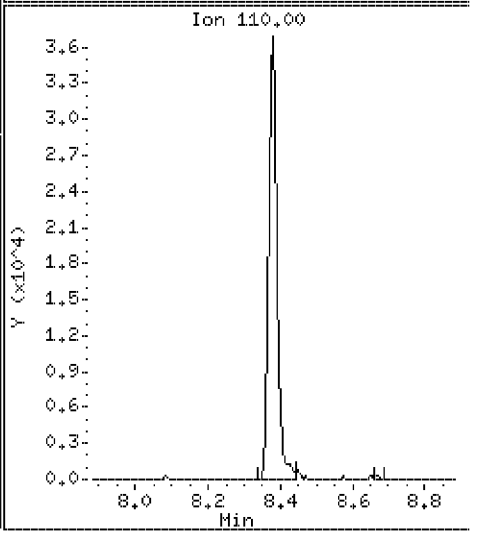












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

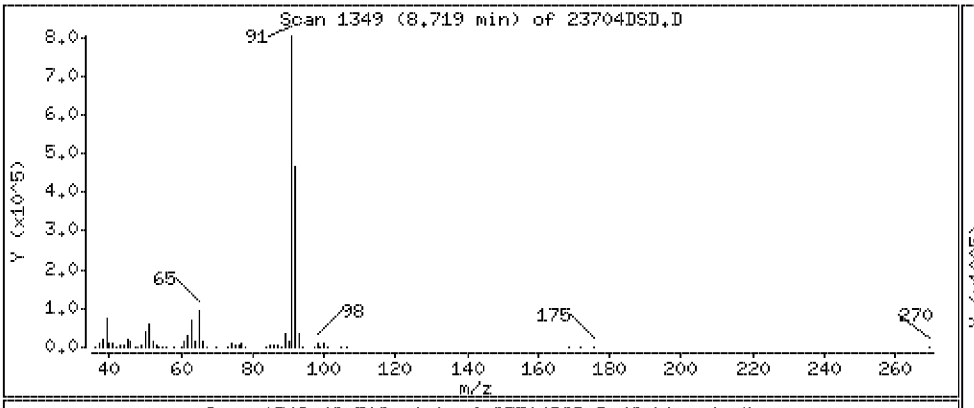
Operator:

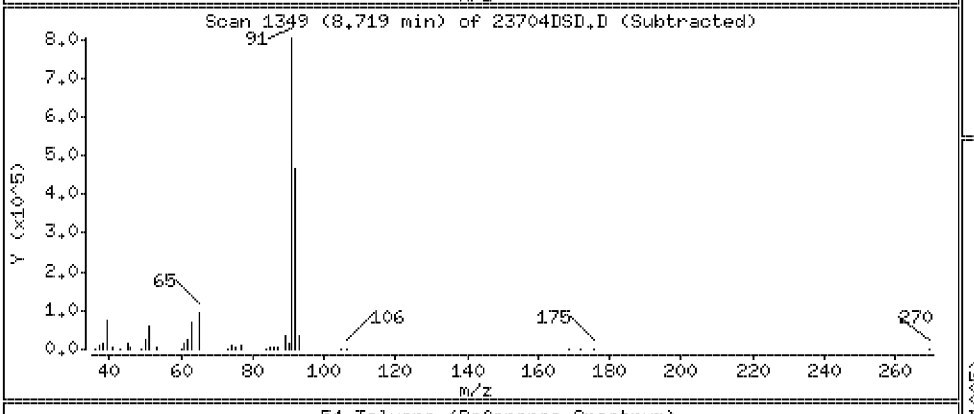
Column phase: RTX-502.2

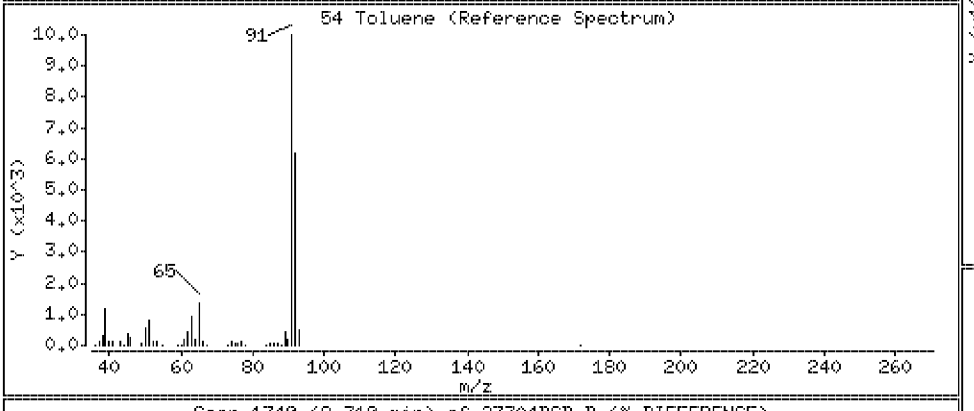
Column diameter: 0.18

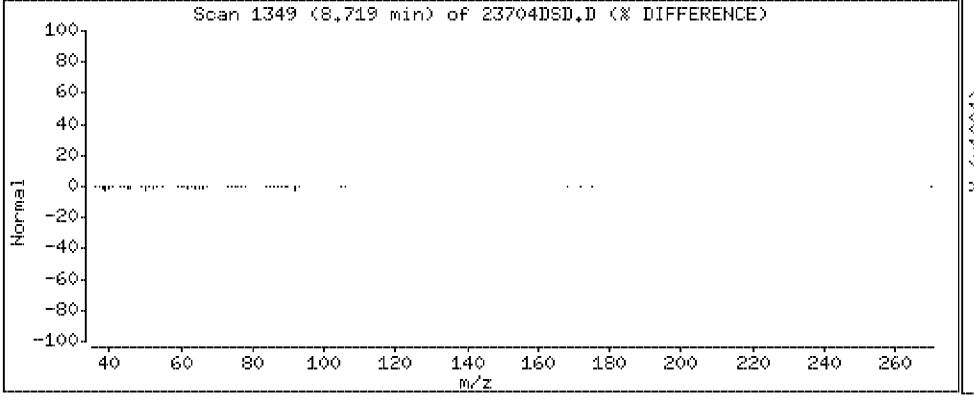
54 Toluene

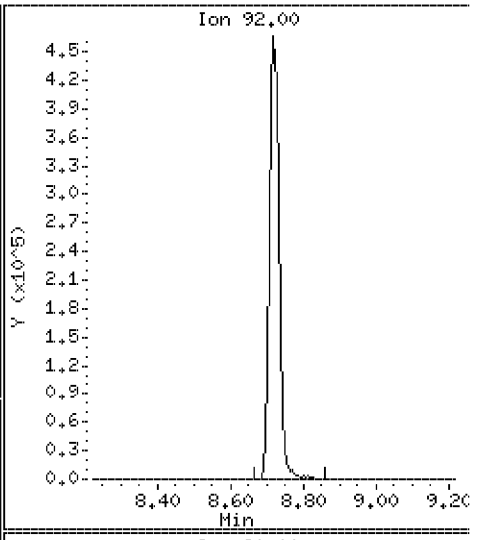
Concentration: 184 ug/l

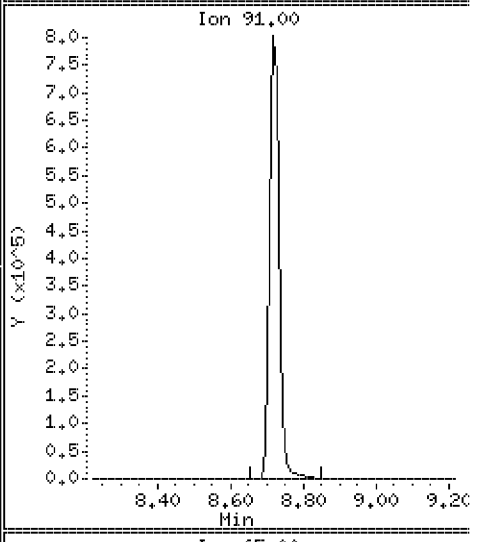


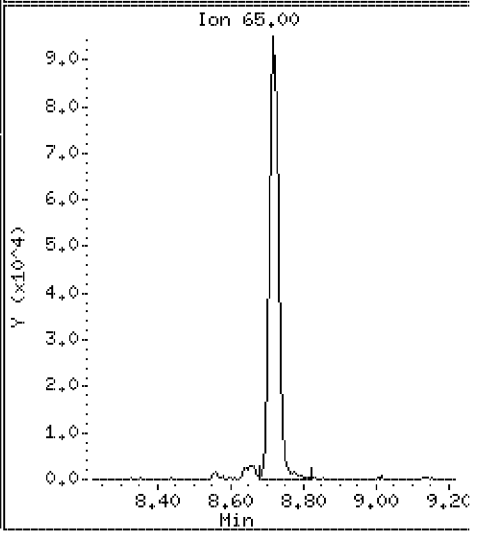












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

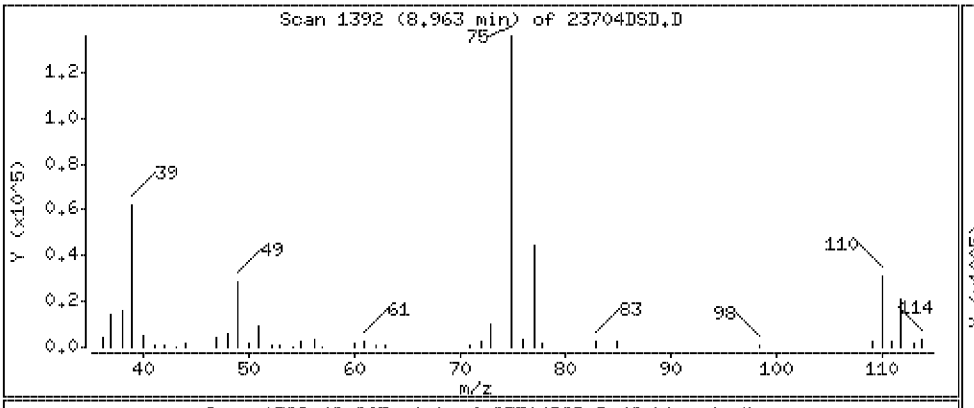
Operator:

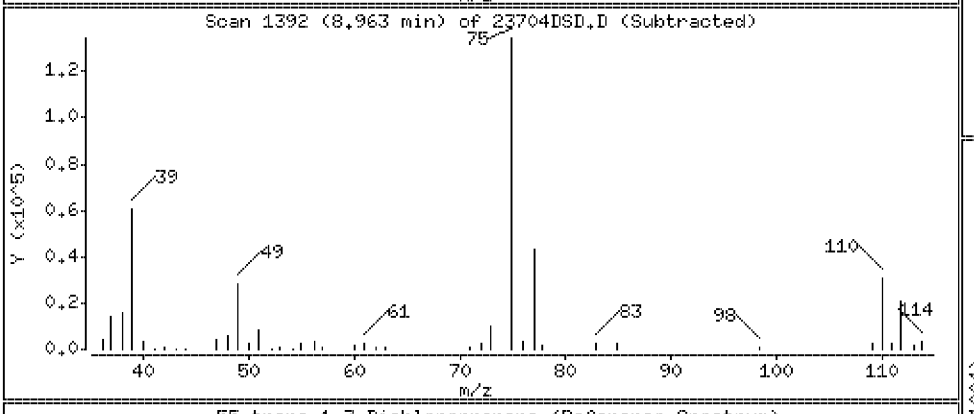
Column phase: RTX-502.2

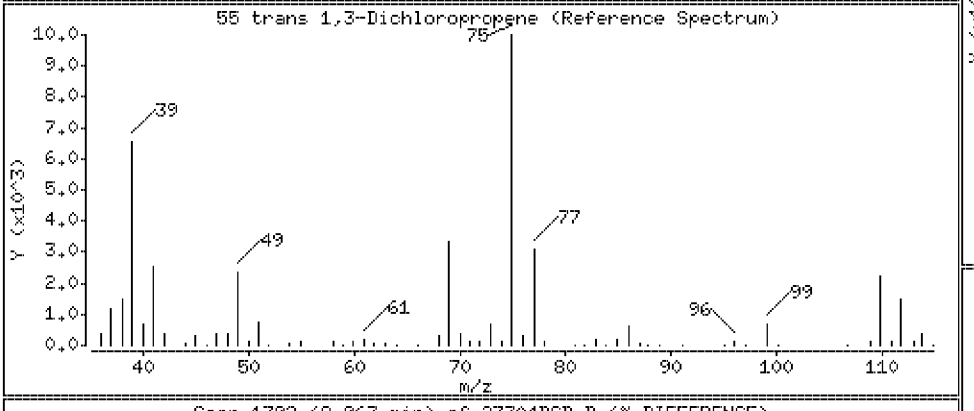
Column diameter: 0.18

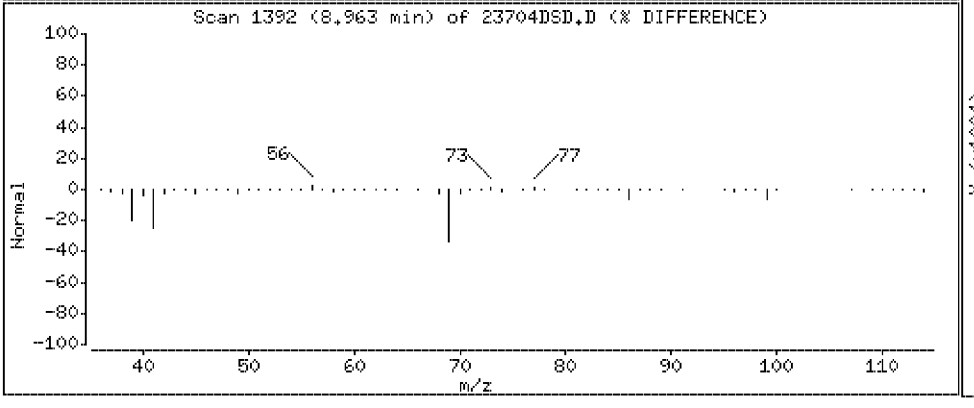
55 trans 1,3-Dichloropropene

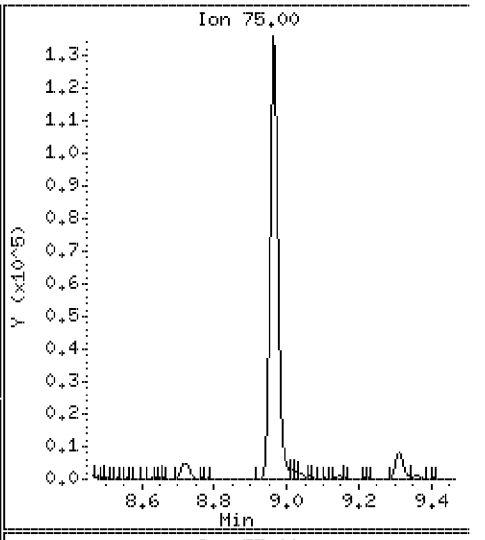
Concentration: 91.6 ug/l

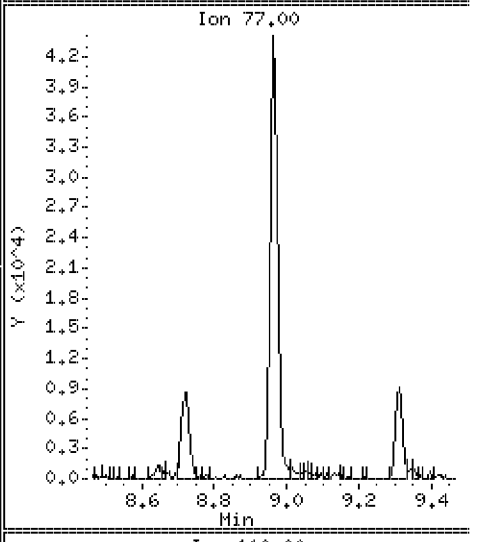


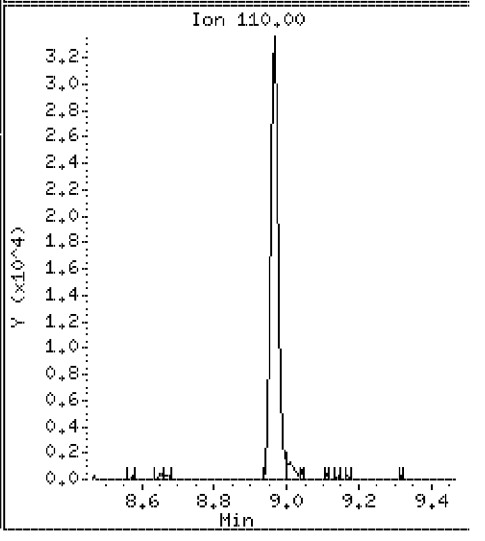












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

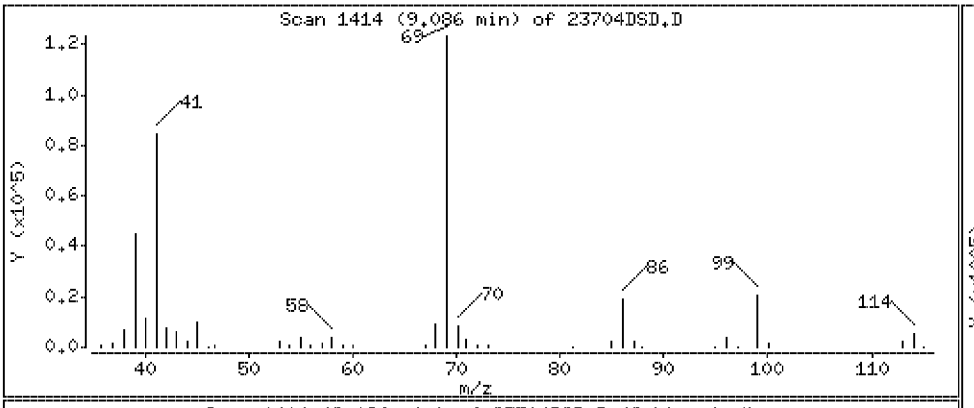
Operator:

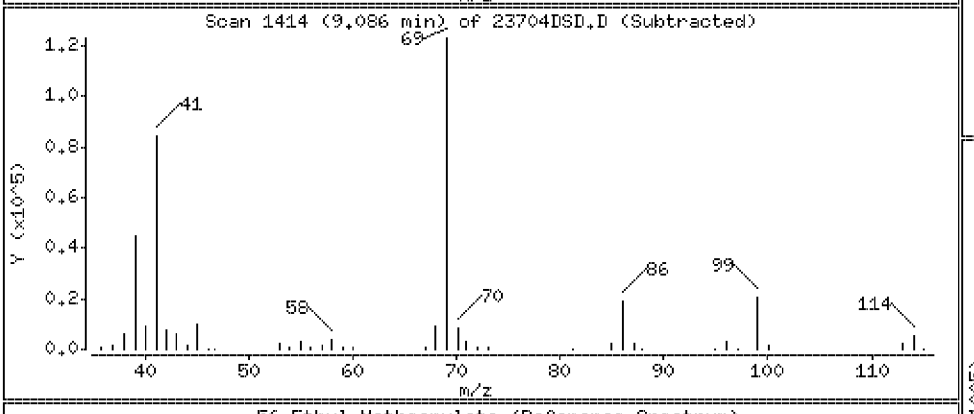
Column phase: RTX-502.2

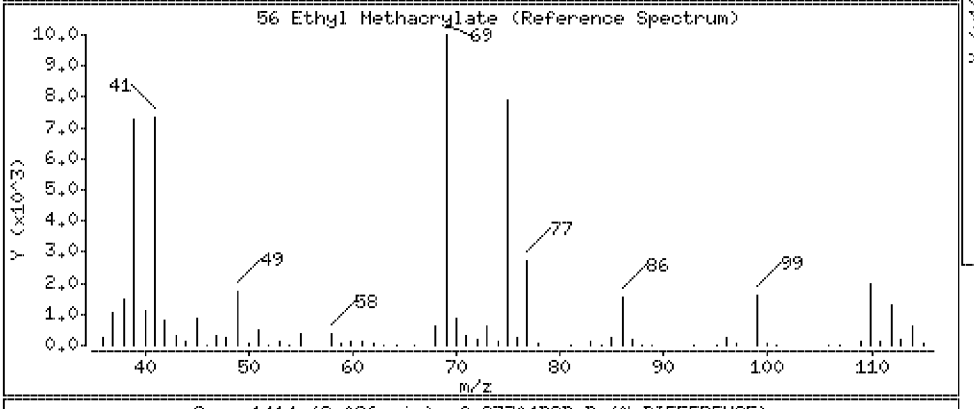
Column diameter: 0.18

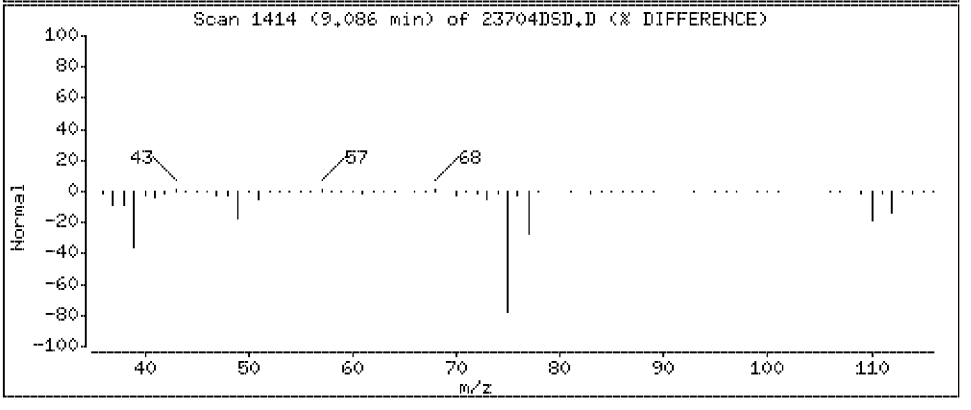
56 Ethyl Methacrylate

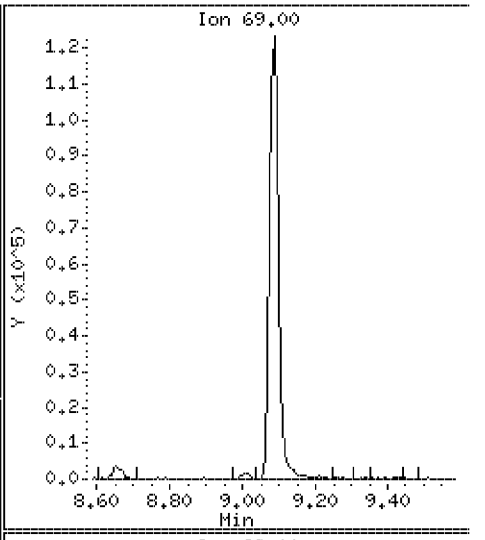
Concentration: 96.5 ug/l

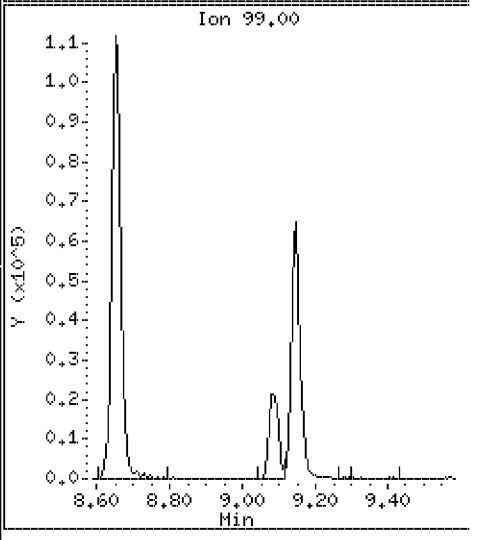












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

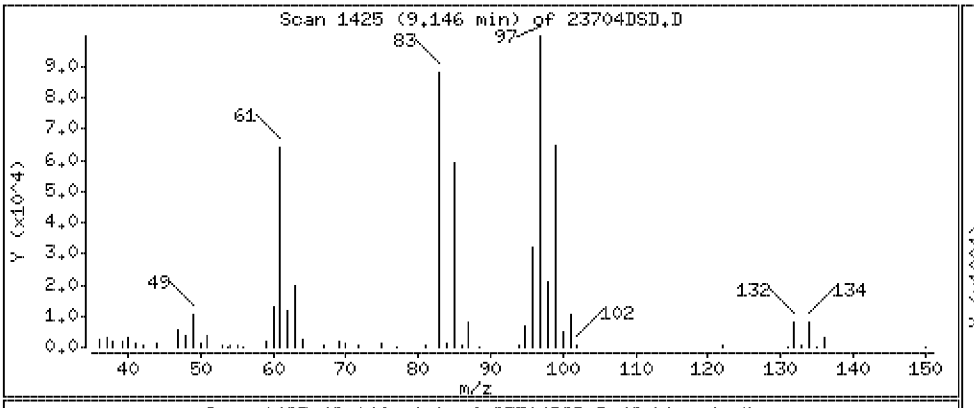
Operator:

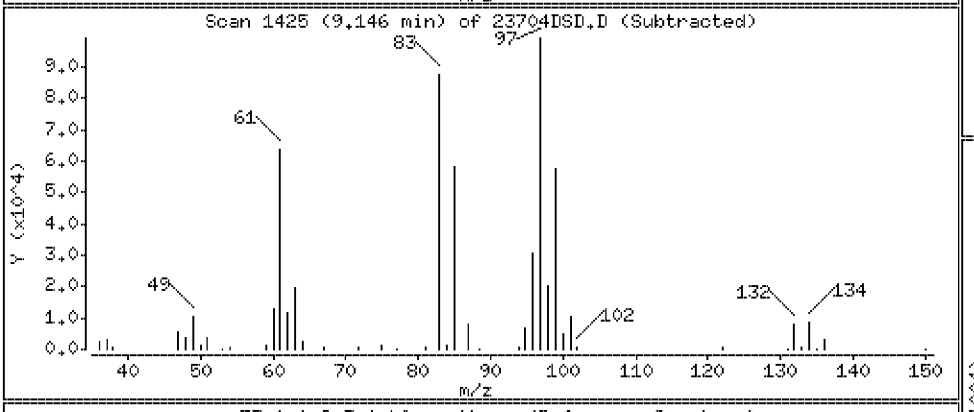
Column phase: RTX-502.2

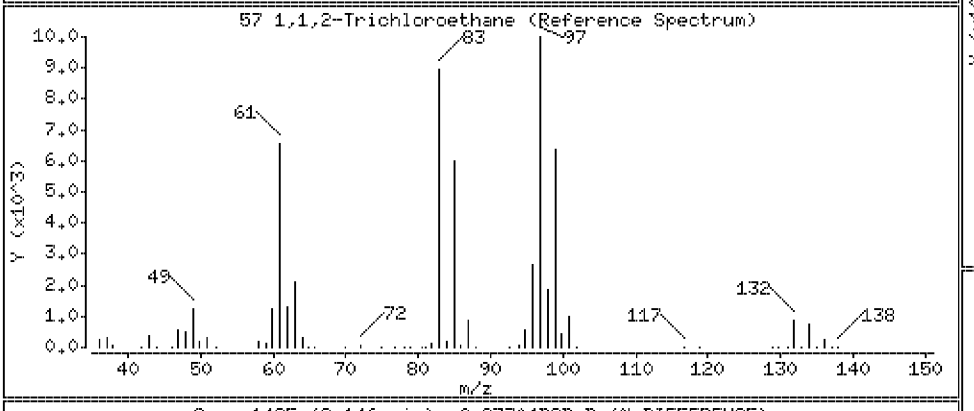
Column diameter: 0.18

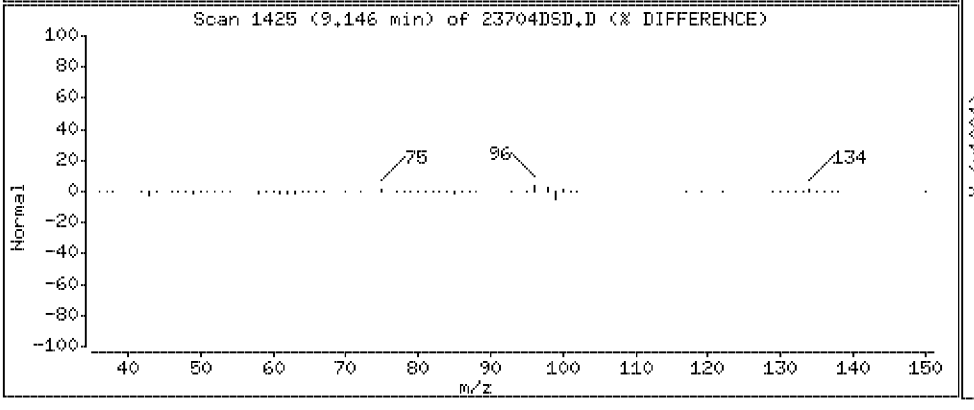
57 1,1,2-Trichloroethane

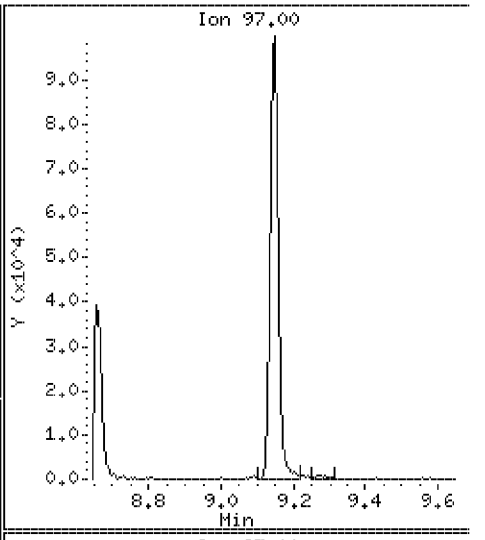
Concentration: 106 ug/l

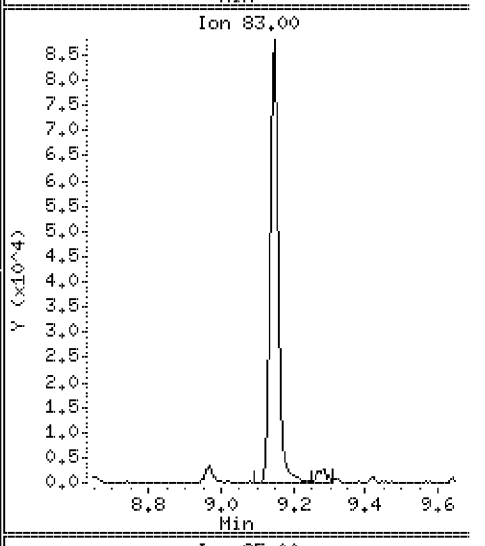


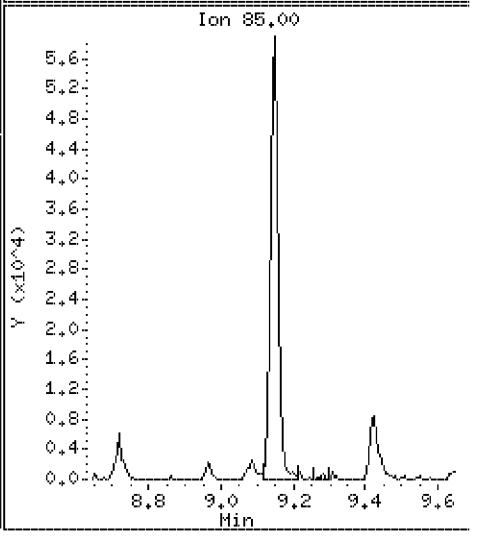












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

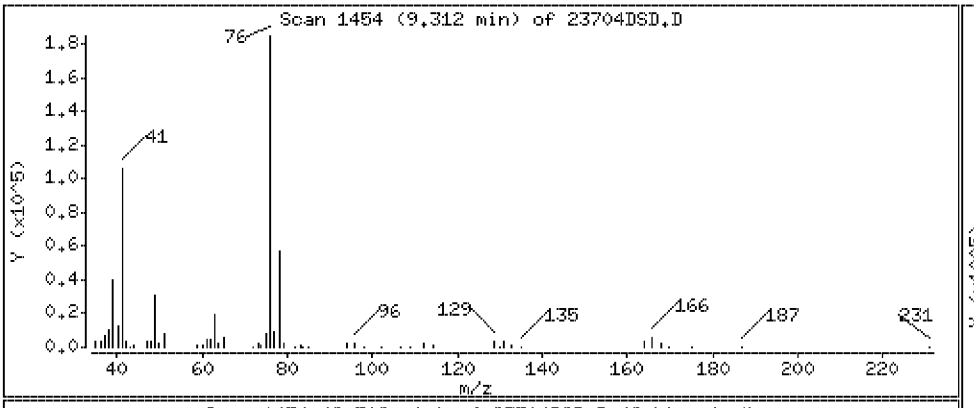
Operator:

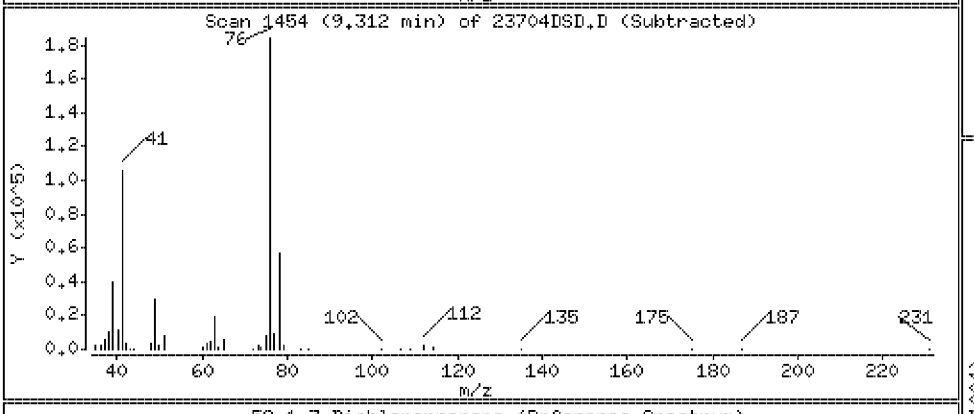
Column phase: RTX-502.2

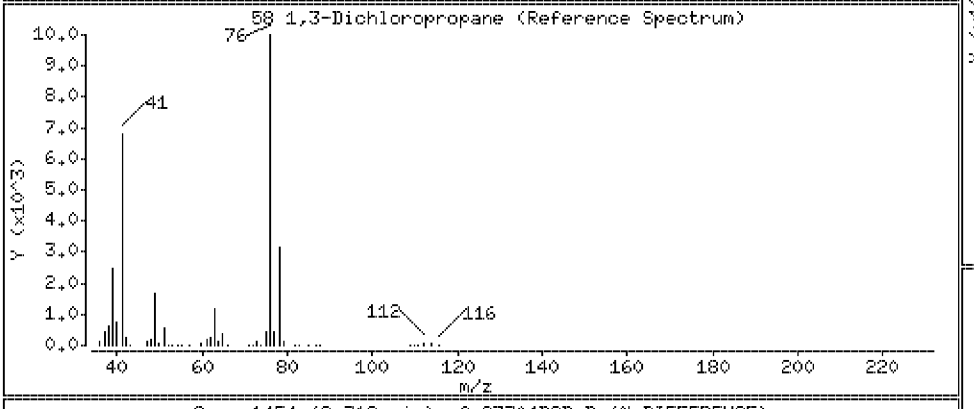
Column diameter: 0.18

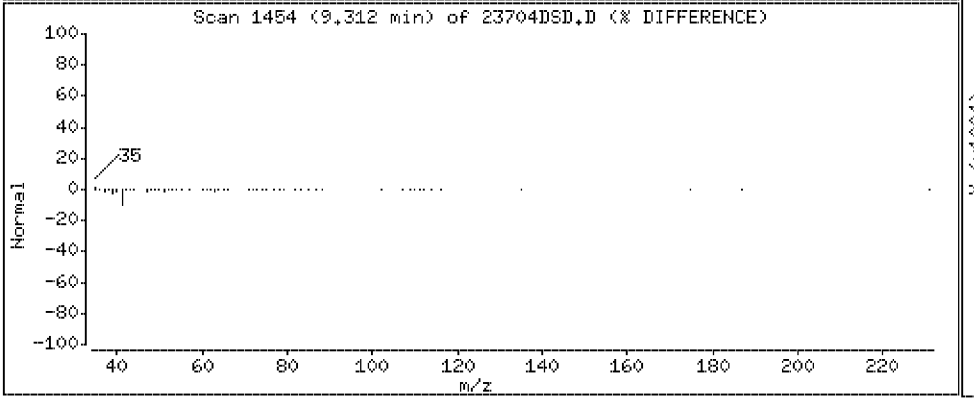
58 1,3-Dichloropropane

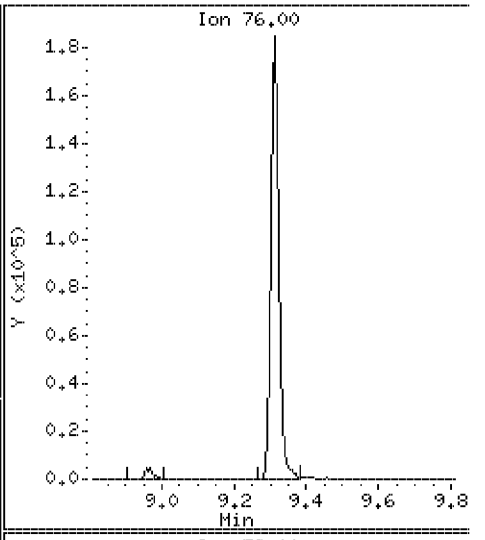
Concentration: 102 ug/l

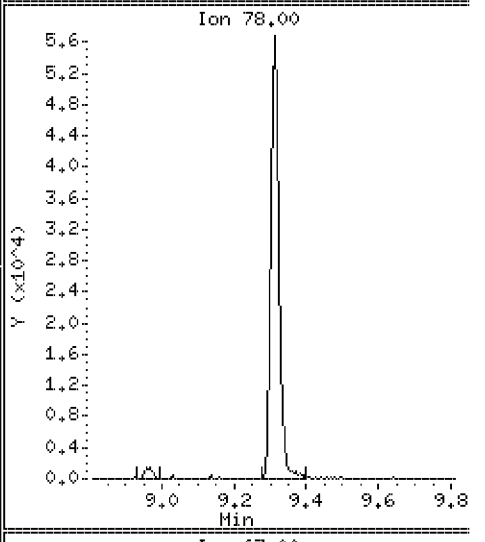


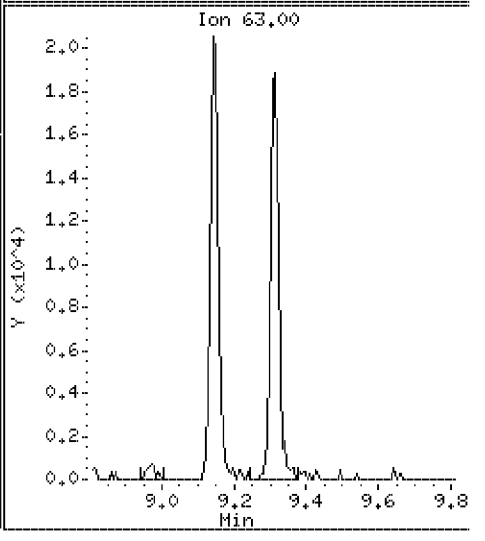












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

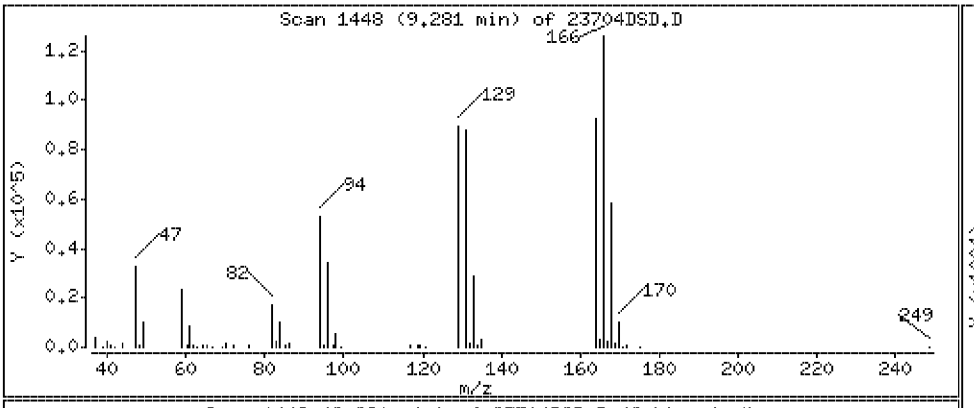
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

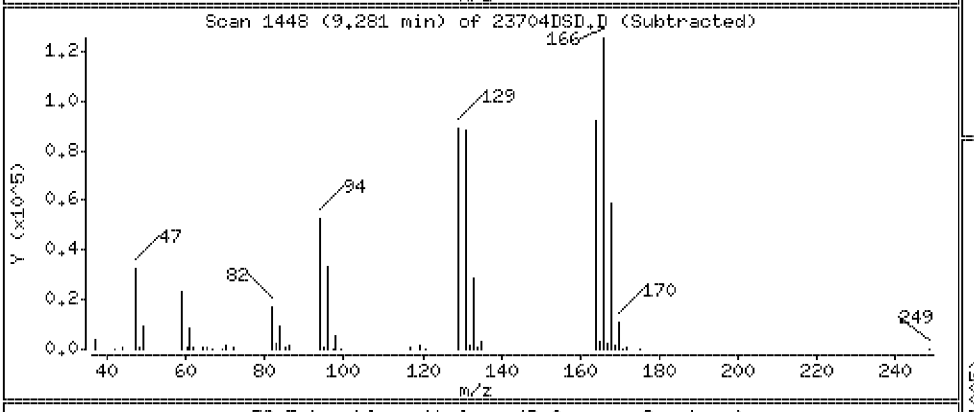
Sample Info: 350023704;3500237;5;

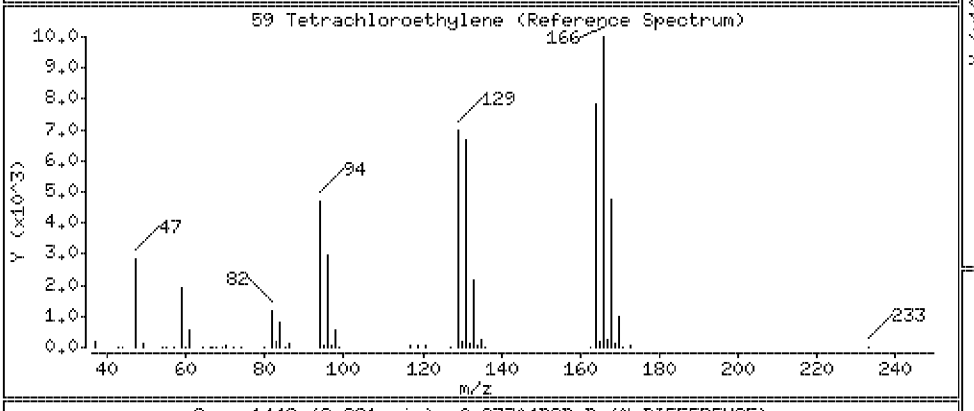
Purge Volume: 5.0 Operator:

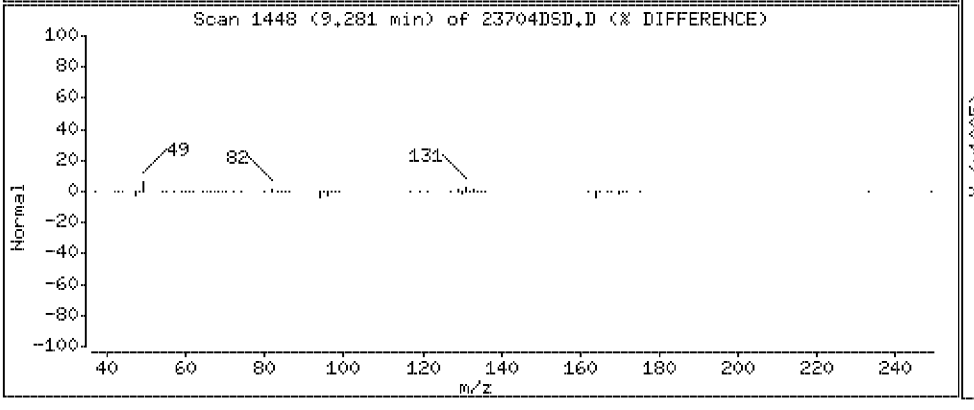
Column phase: RTX-502.2 Column diameter: 0.18

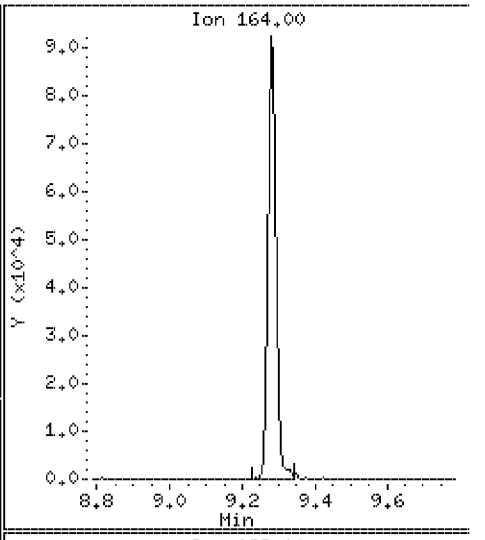
59 Tetrachloroethylene Concentration: 103 ug/l

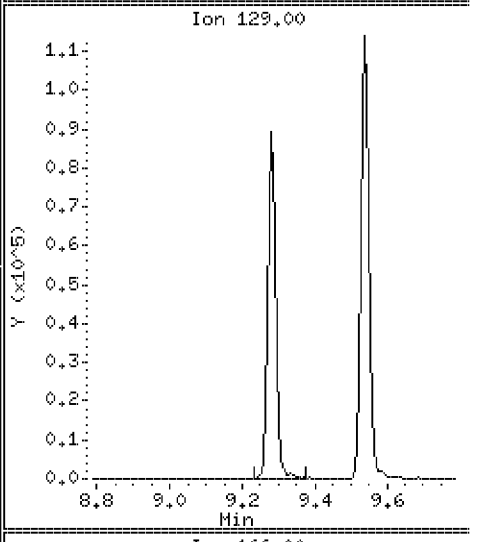


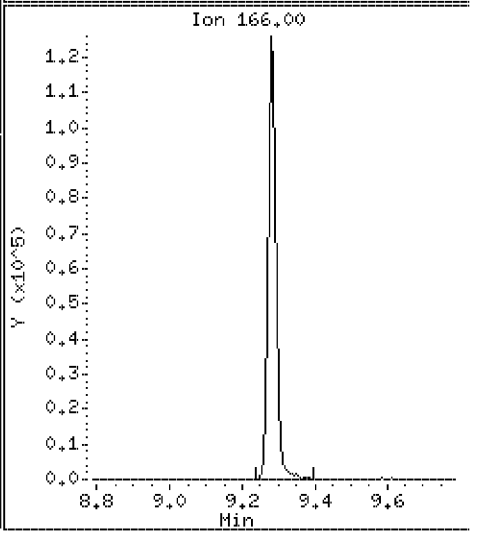












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

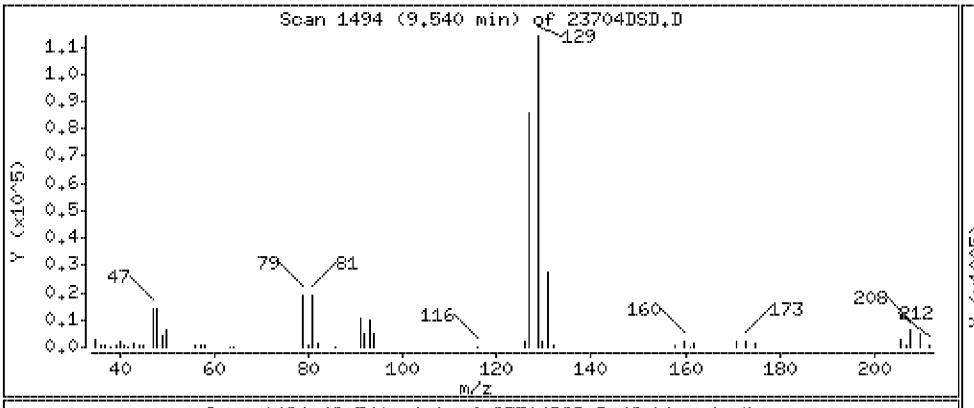
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

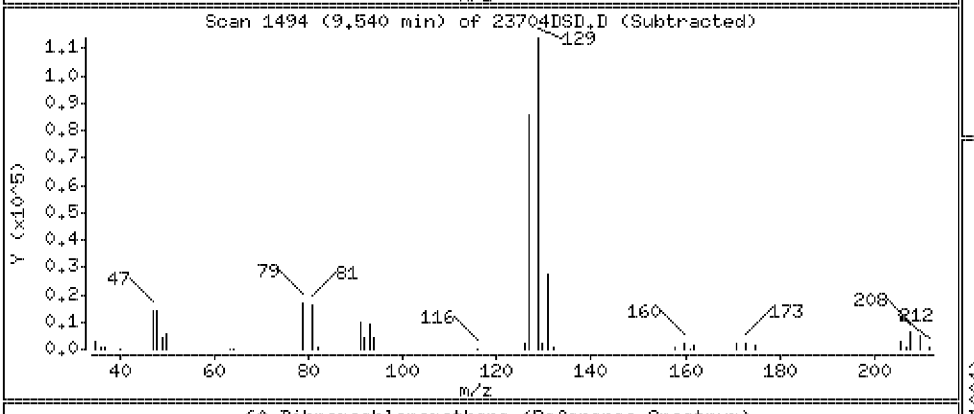
Sample Info: 350023704;3500237;5;

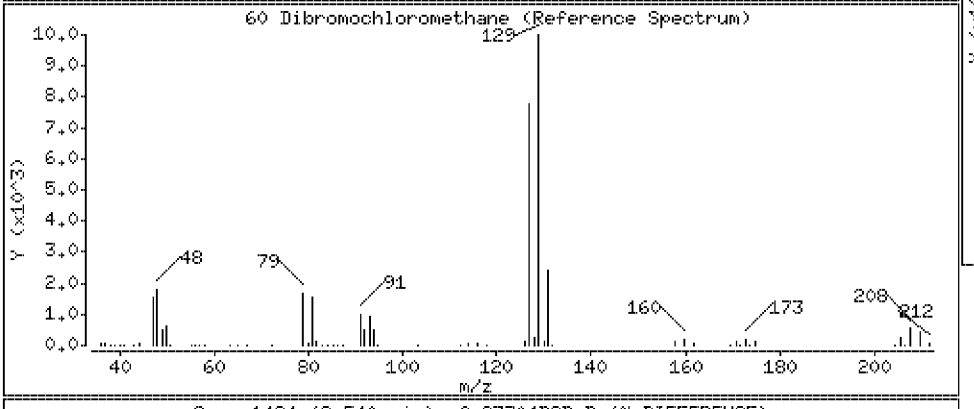
Purge Volume: 5.0 Operator:

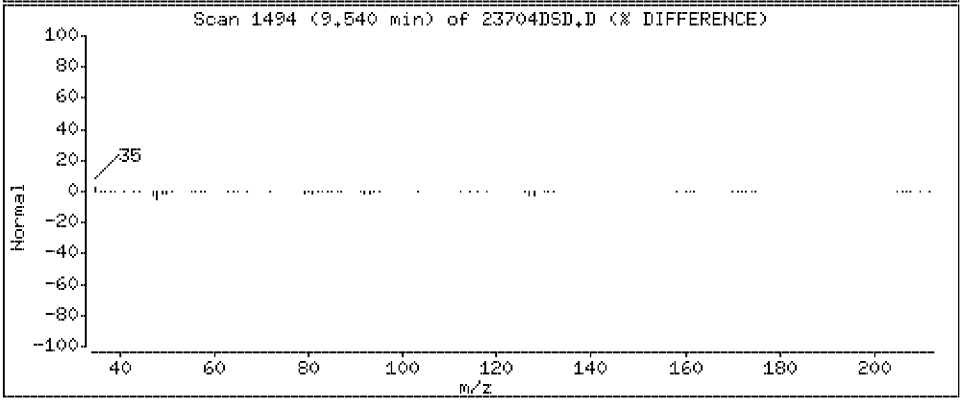
Column phase: RTX-502.2 Column diameter: 0.18

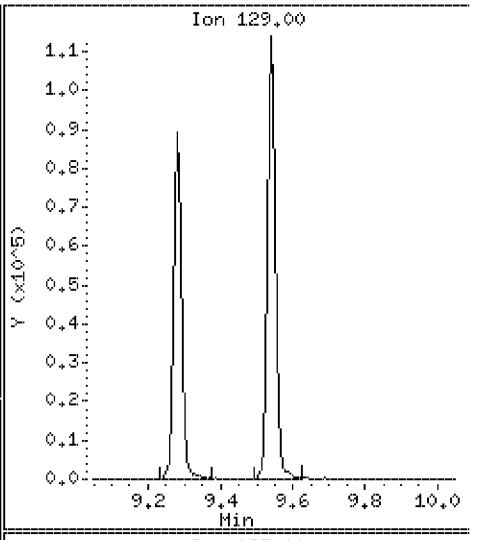
60 Dibromochloromethane Concentration: 99.3 ug/l

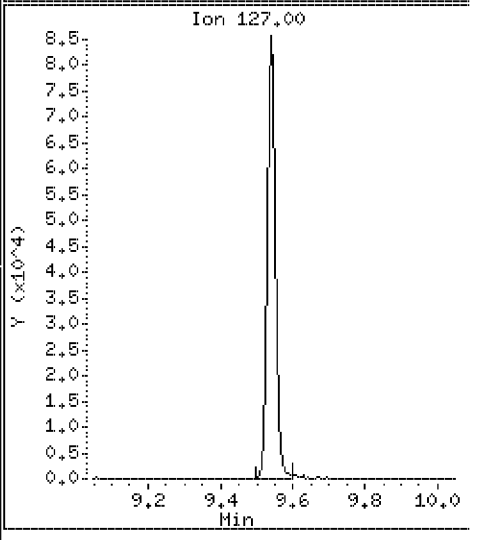












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

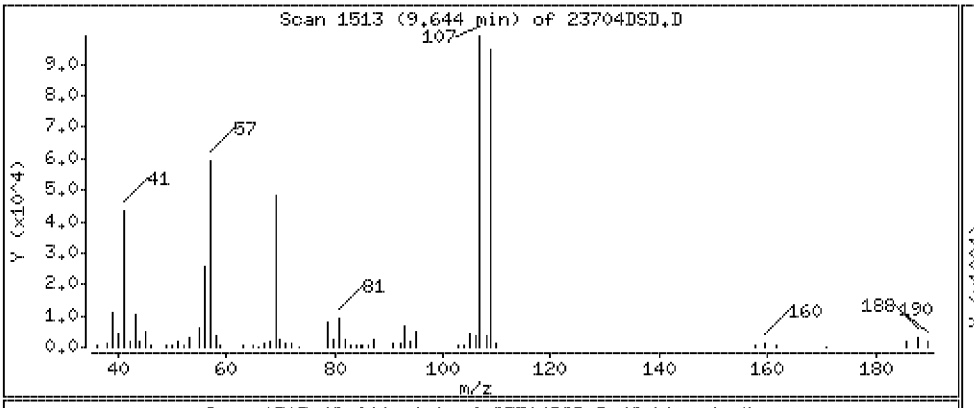
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

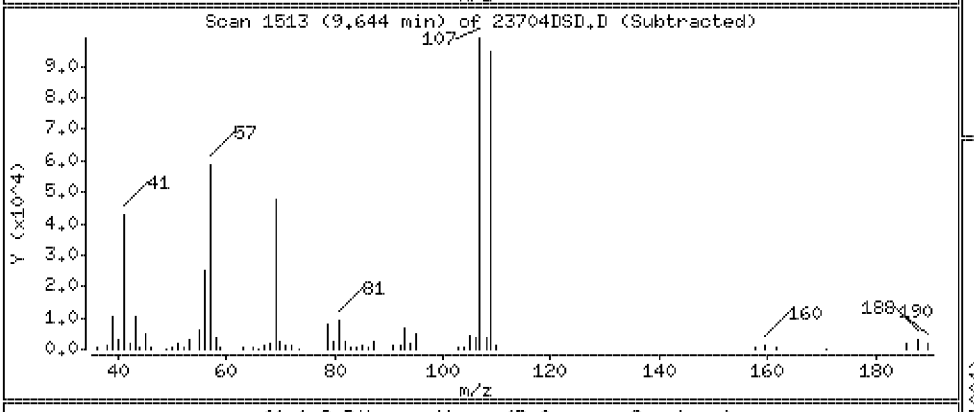
Sample Info: 350023704;3500237;5;

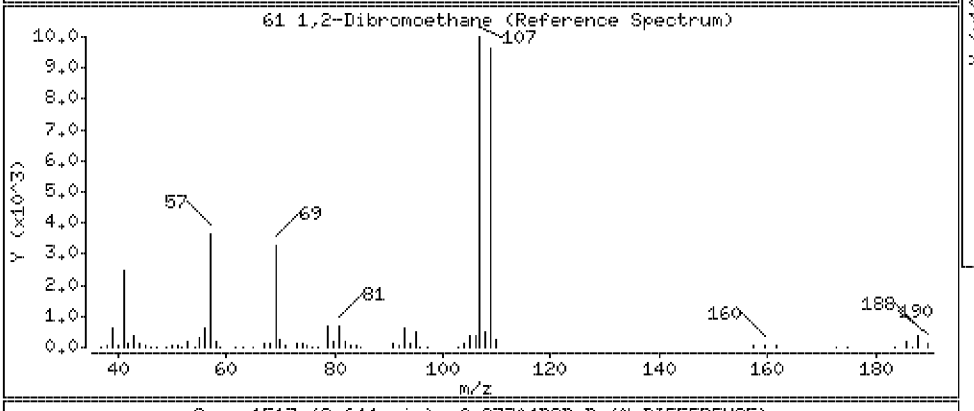
Purge Volume: 5.0 Operator:

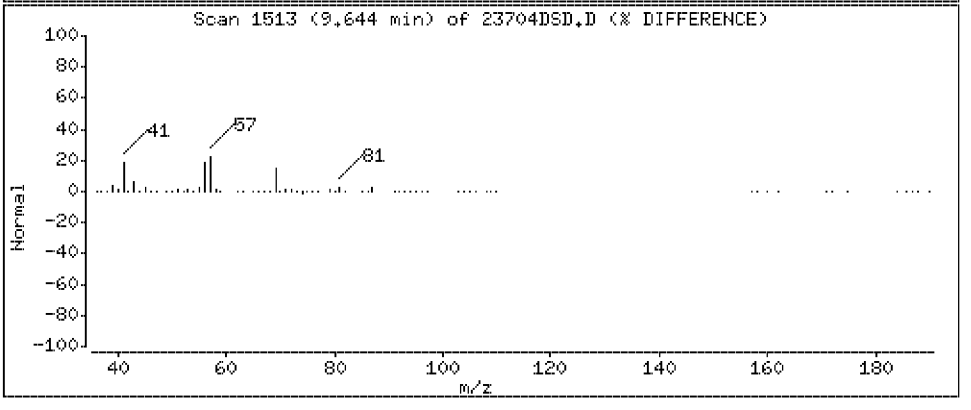
Column phase: RTX-502.2 Column diameter: 0.18

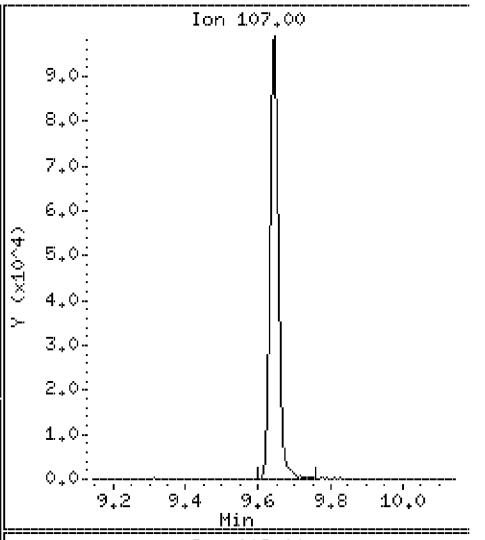
61 1,2-Dibromoethane Concentration: 99.8 ug/l

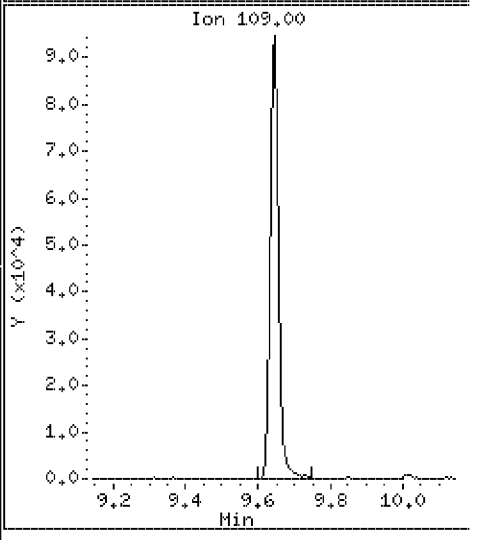












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

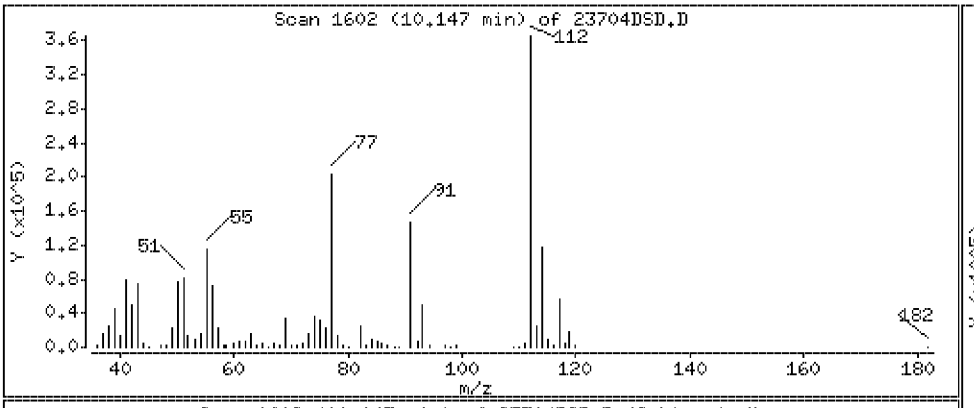
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

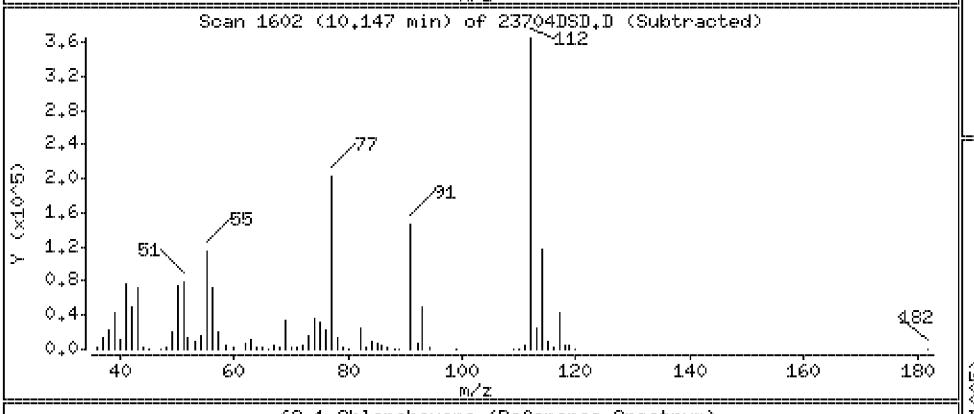
Sample Info: 350023704;3500237;5;

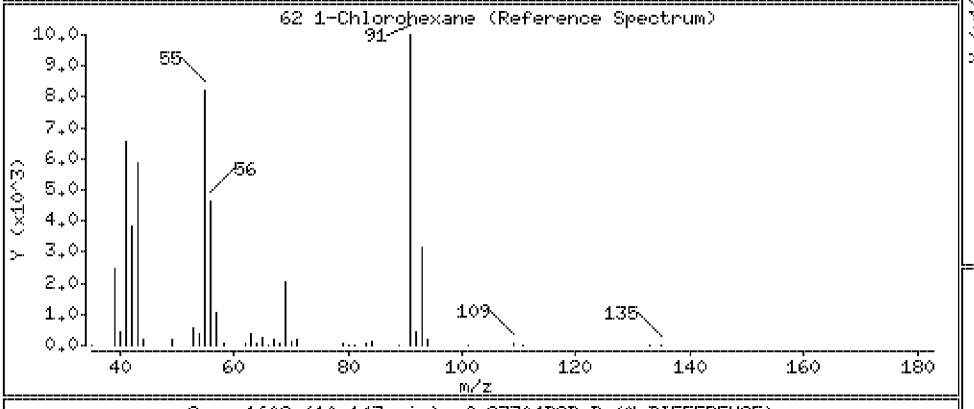
Purge Volume: 5.0 Operator:

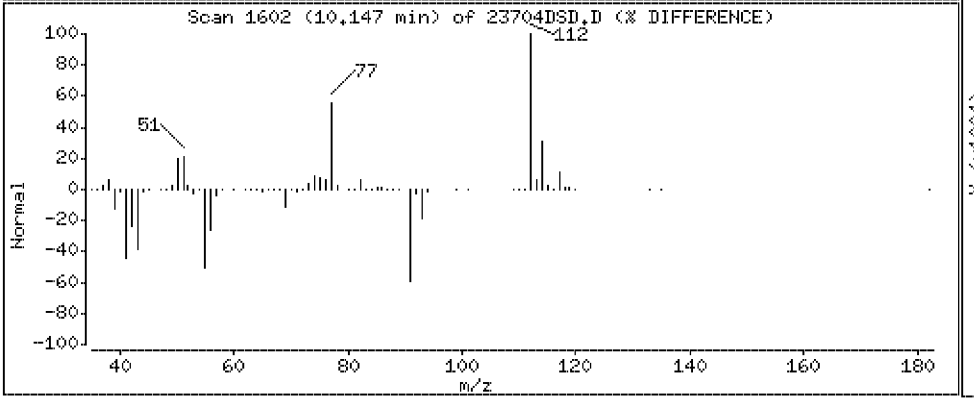
Column phase: RTX-502.2 Column diameter: 0.18

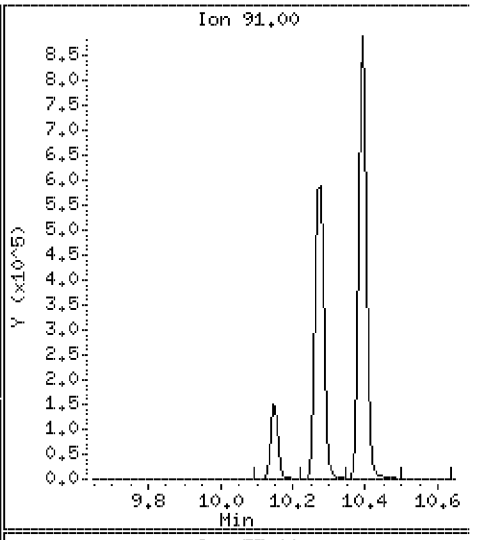
62 1-Chlorohexane Concentration: 98.8 ug/l

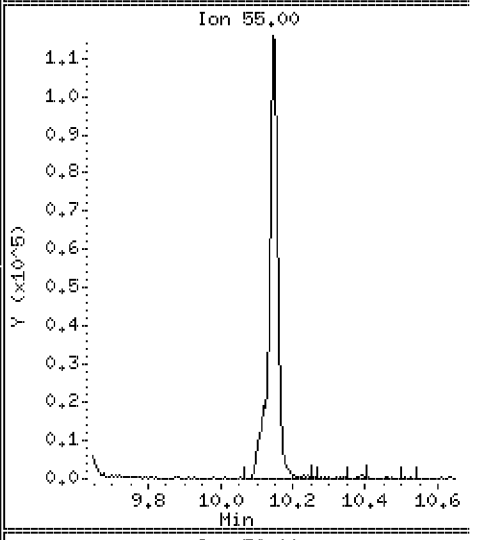


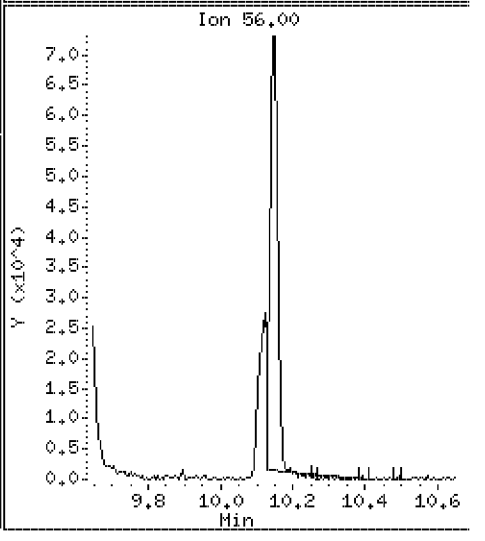












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

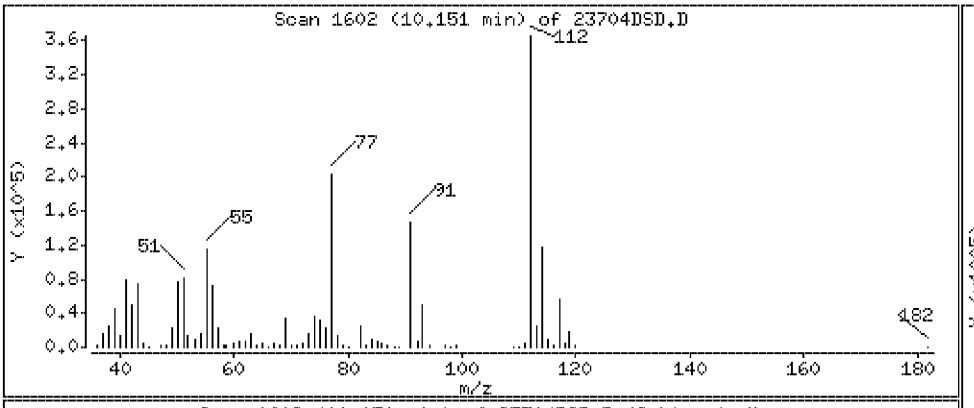
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

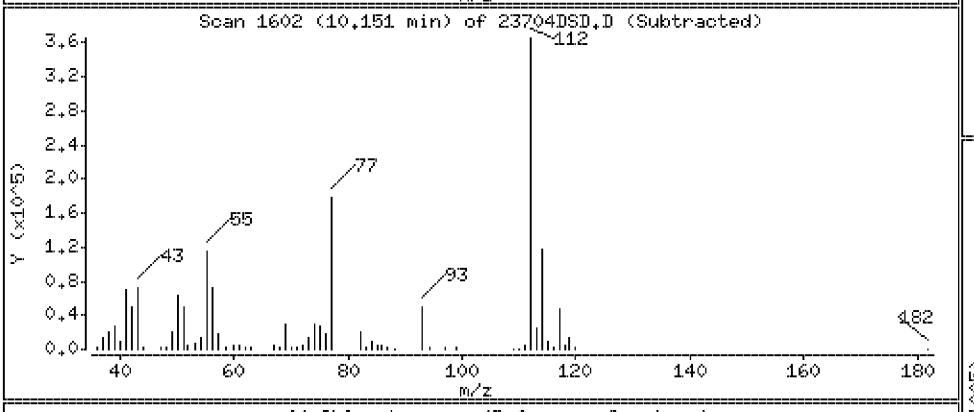
Sample Info: 350023704;3500237;5;

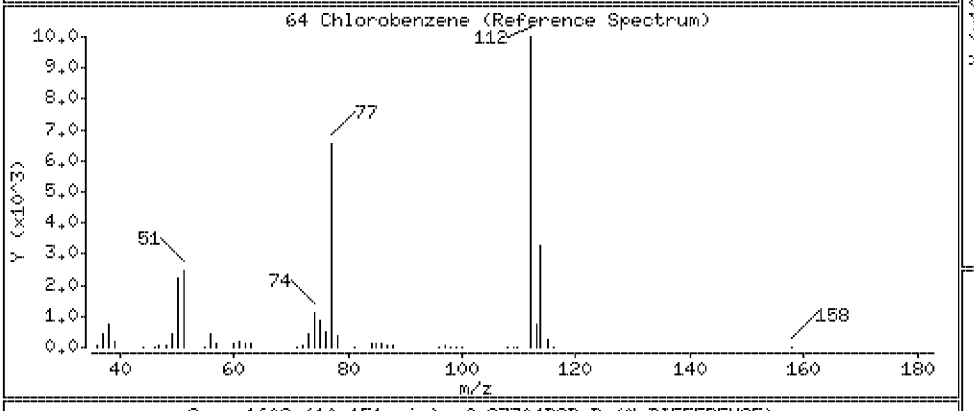
Purge Volume: 5.0 Operator:

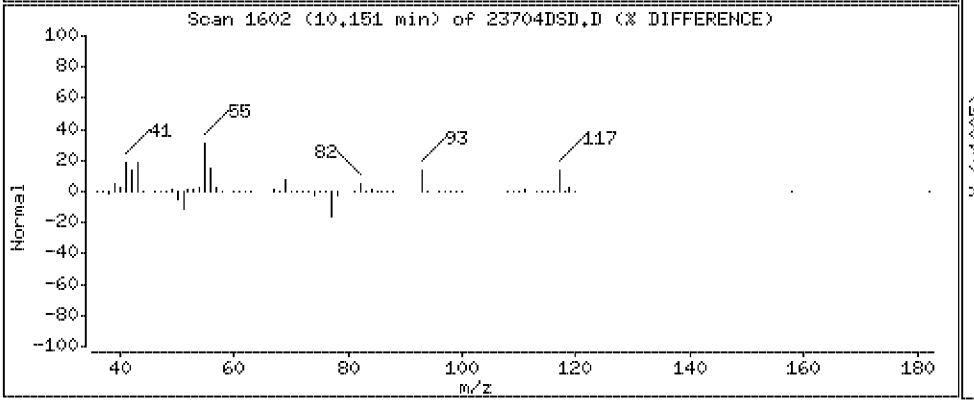
Column phase: RTX-502.2 Column diameter: 0.18

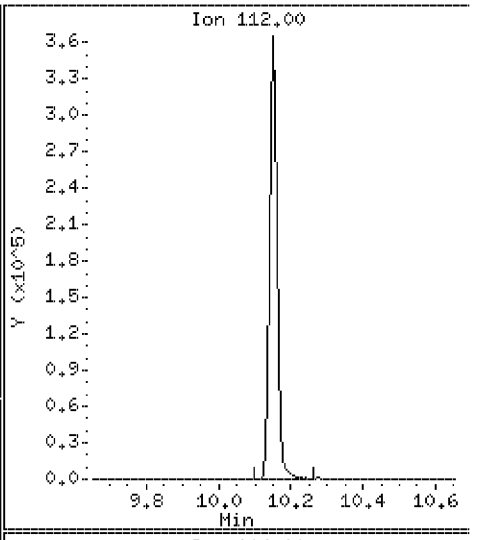
64 Chlorobenzene Concentration: 104 ug/l

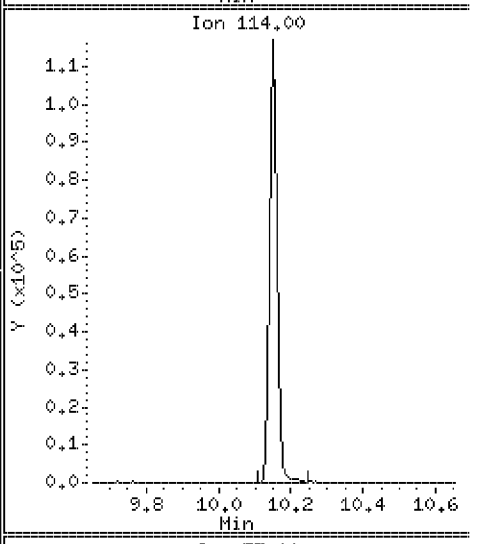


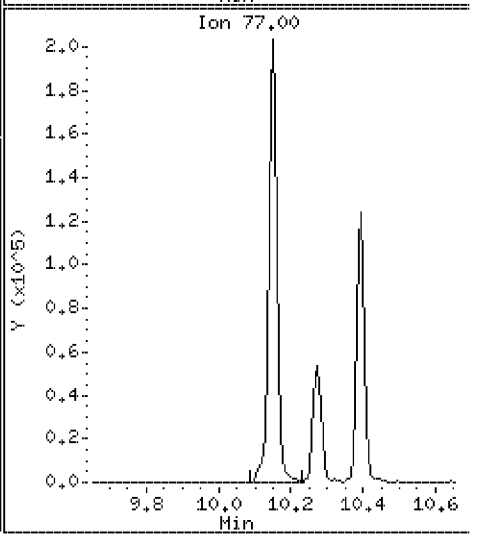












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

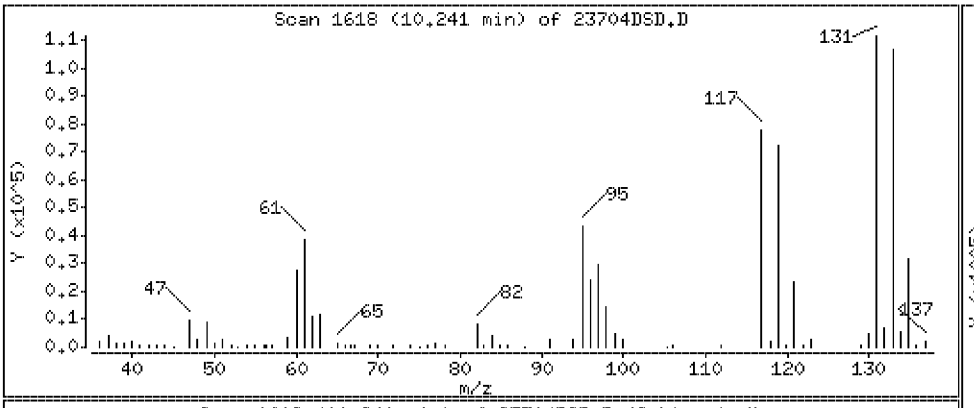
Operator:

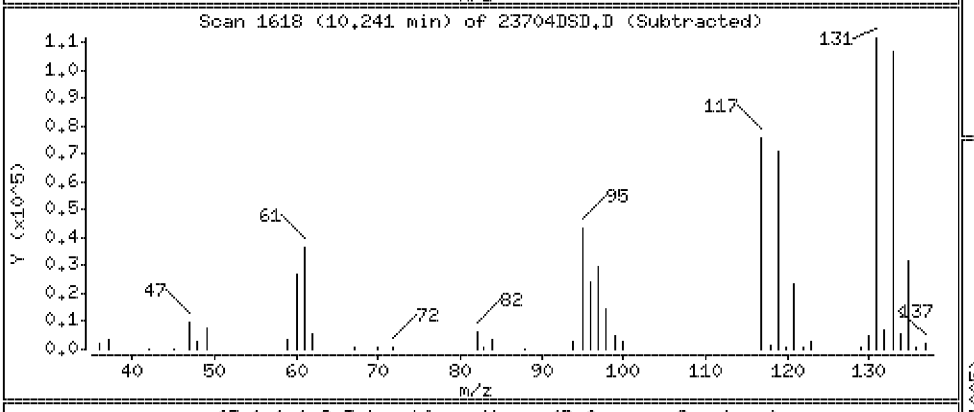
Column phase: RTX-502.2

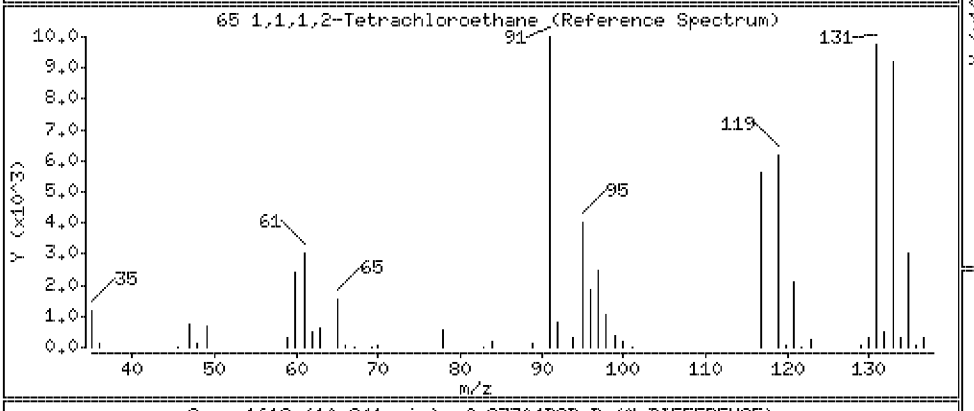
Column diameter: 0.18

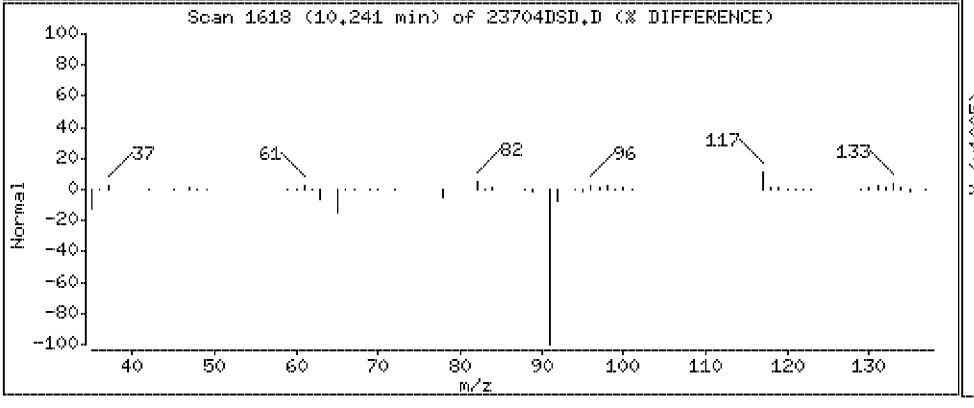
65 1,1,1,2-Tetrachloroethane

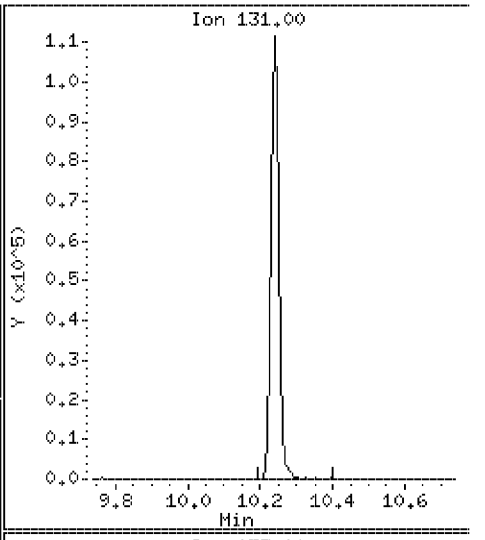
Concentration: 98.2 ug/l

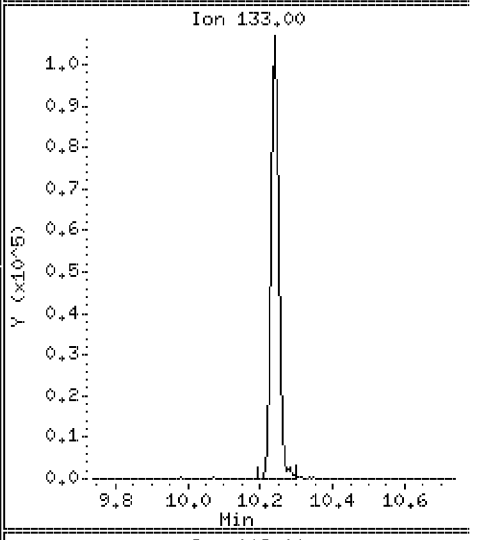


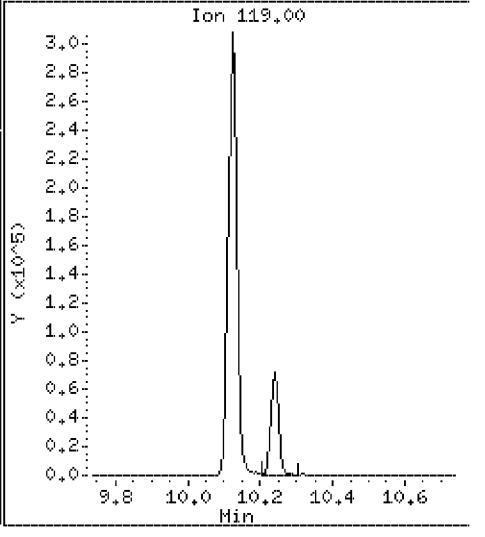












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

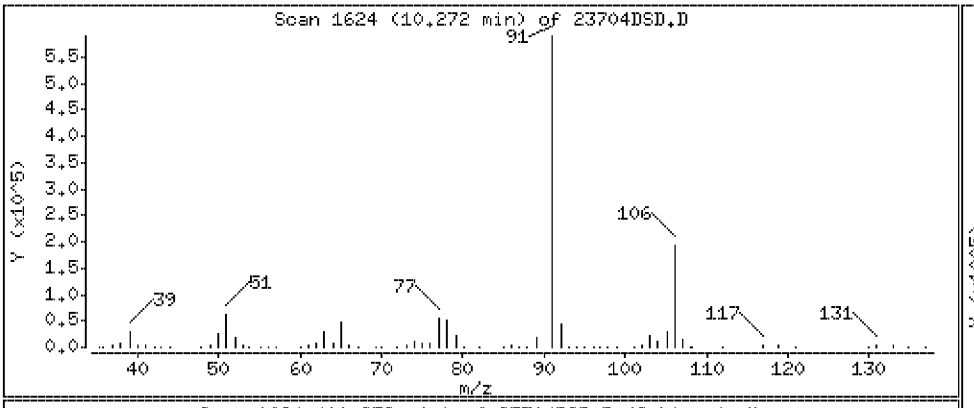
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

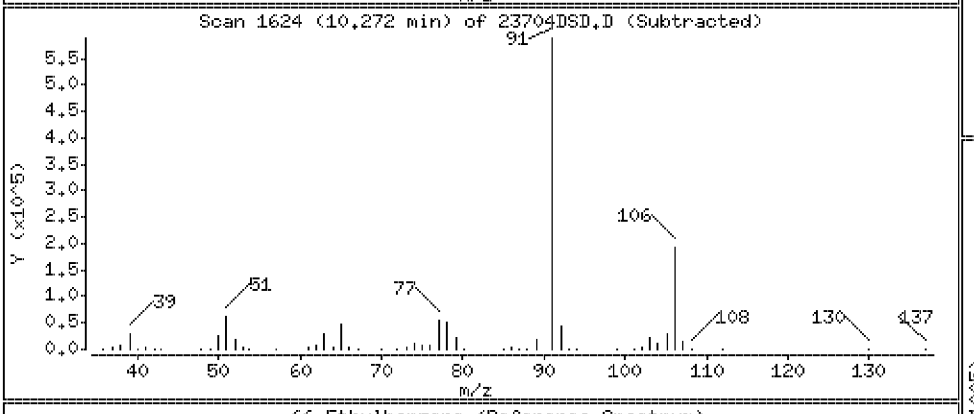
Sample Info: 350023704;3500237;5;

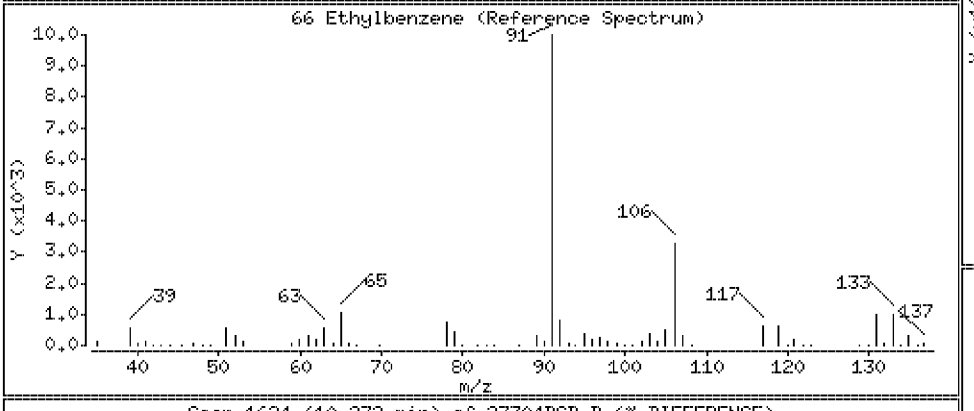
Purge Volume: 5.0 Operator:

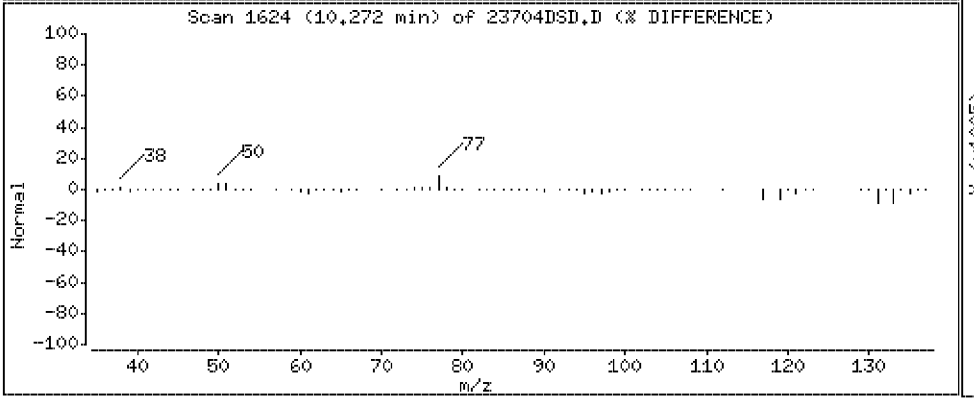
Column phase: RTX-502.2 Column diameter: 0.18

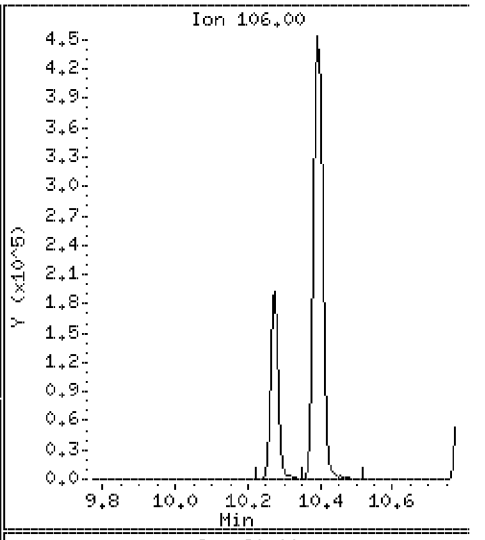
66 Ethylbenzene Concentration: 105 ug/l

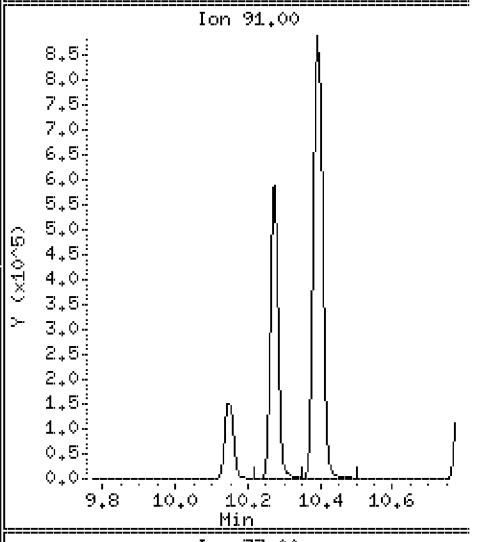


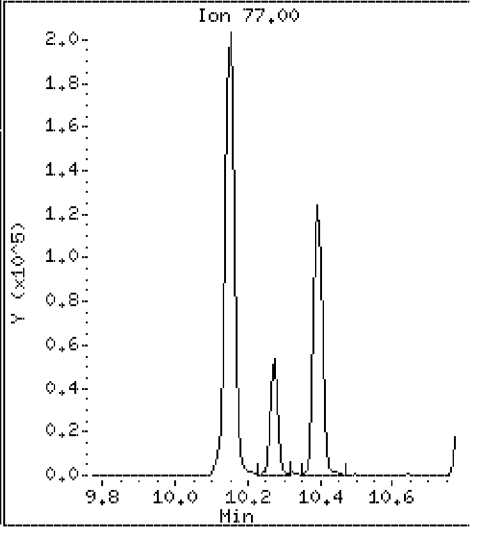












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

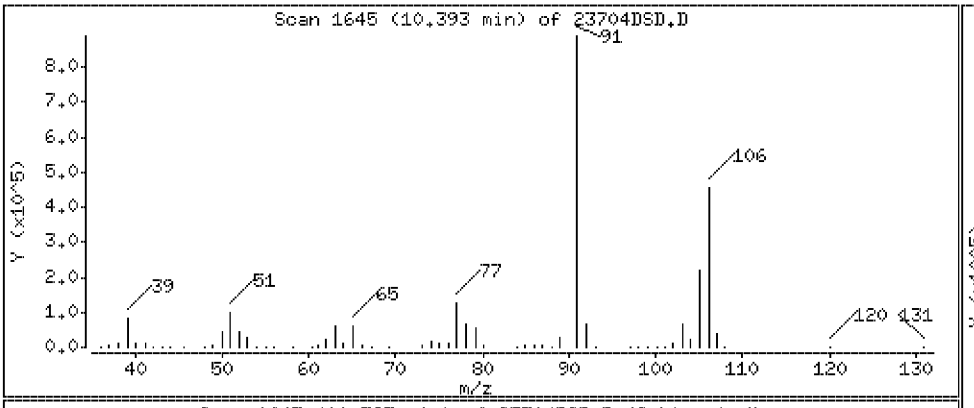
Operator:

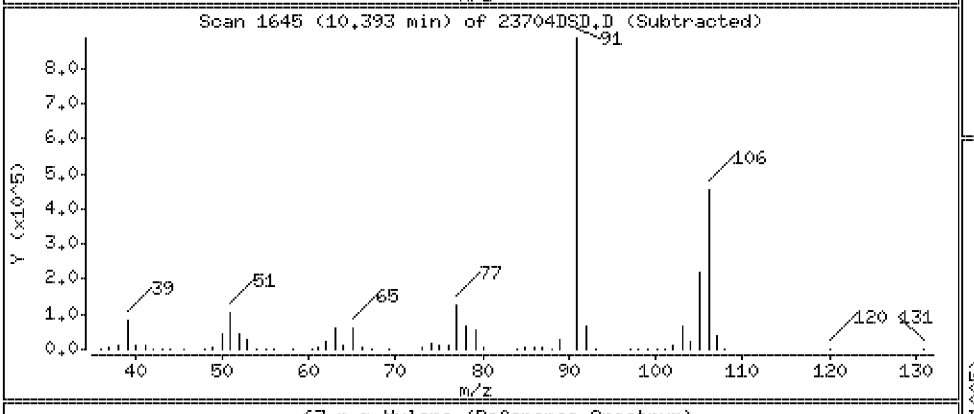
Column phase: RTX-502.2

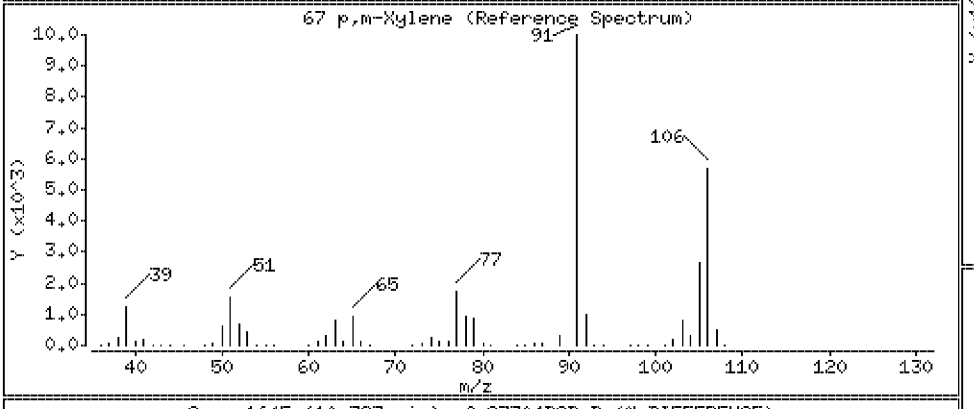
Column diameter: 0.18

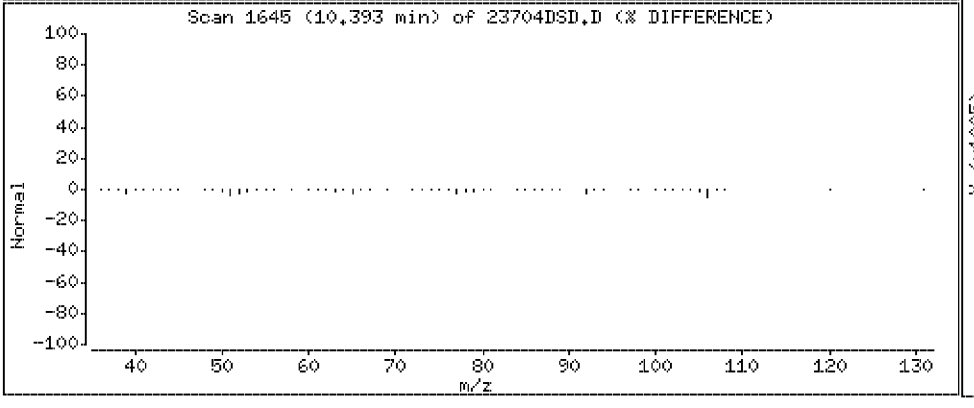
67 p,m-Xylene

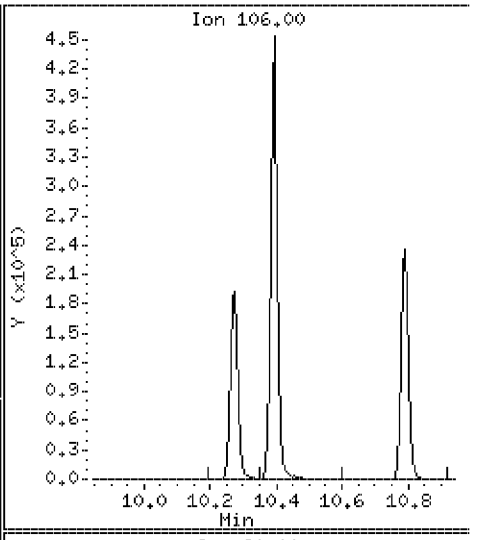
Concentration: 216 ug/l

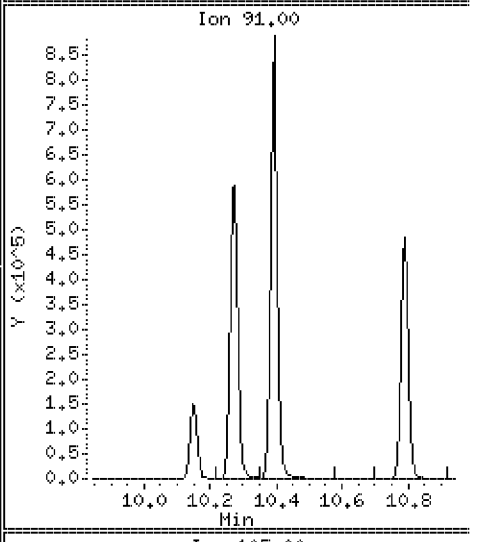


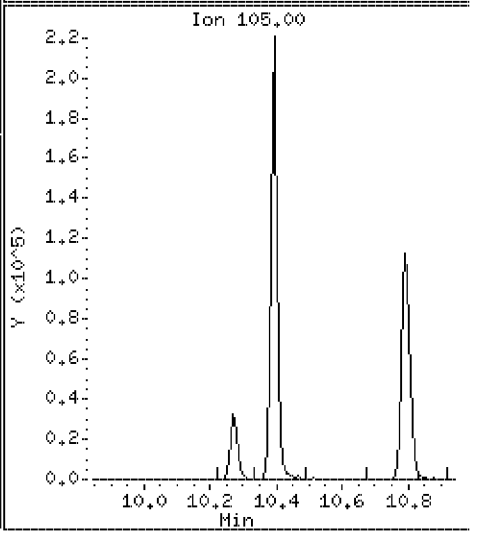












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

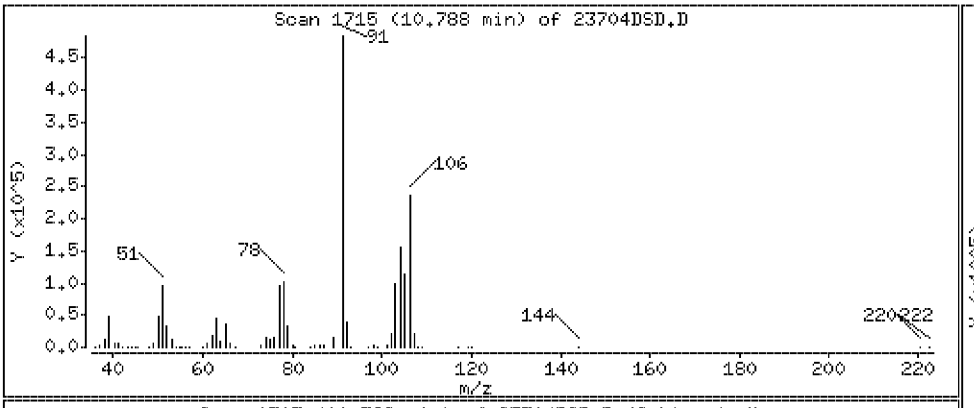
Operator:

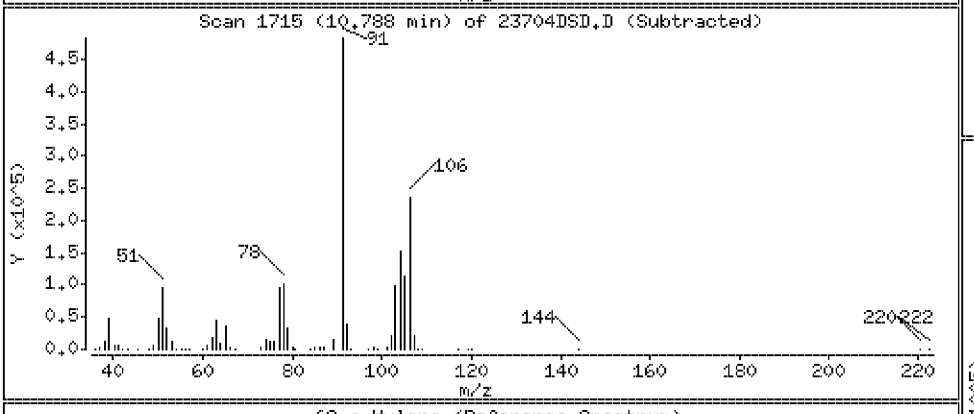
Column phase: RTX-502.2

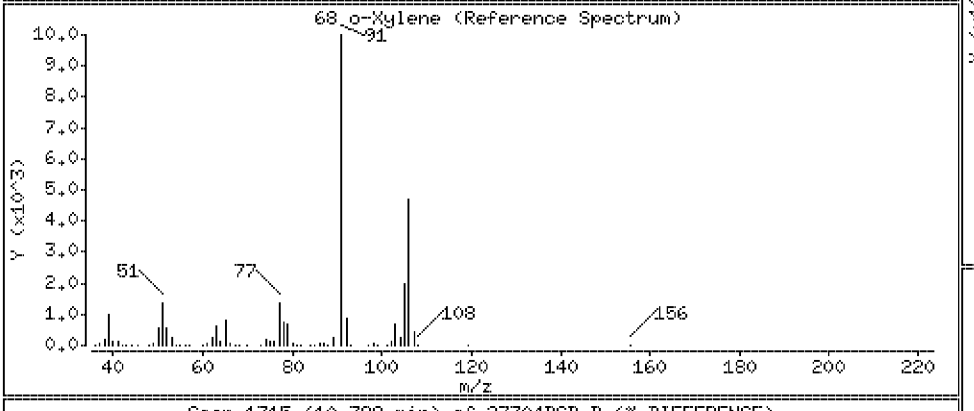
Column diameter: 0.18

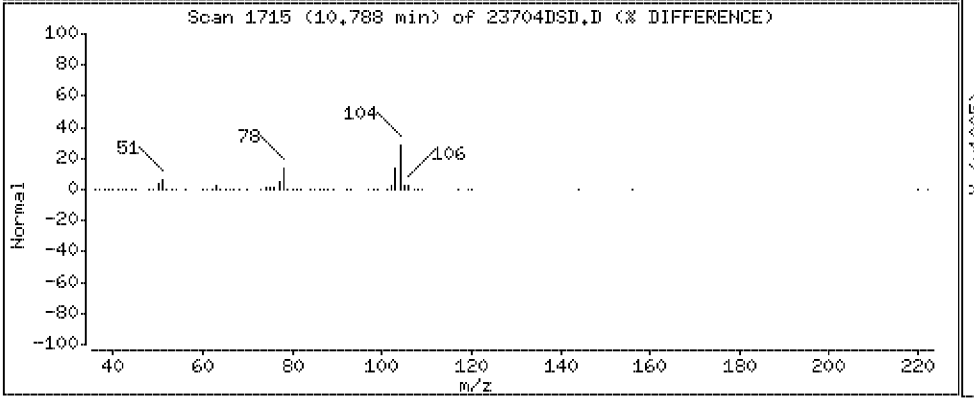
68 o-Xylene

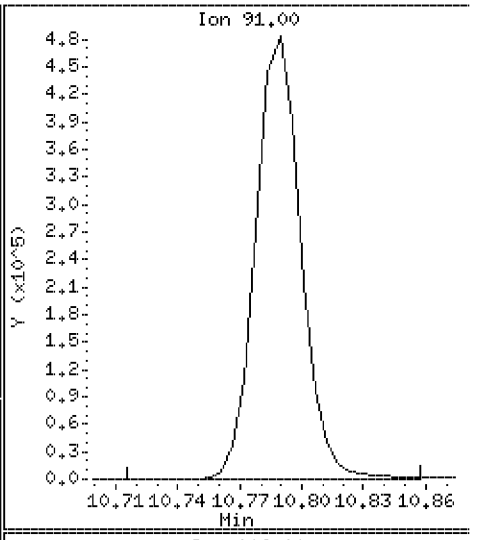
Concentration: 105 ug/l

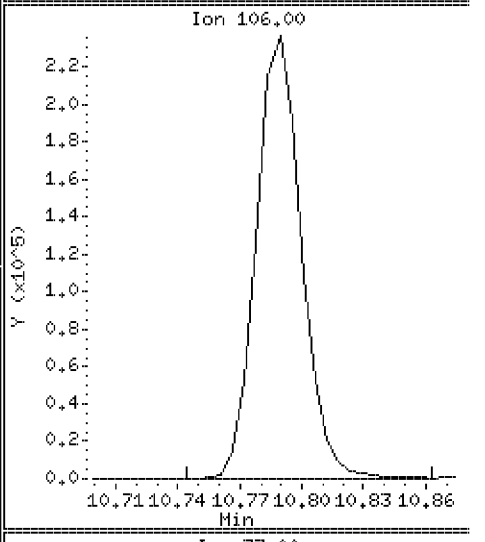


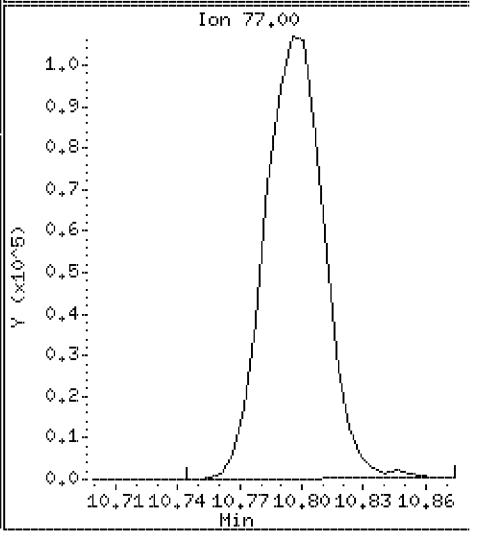












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

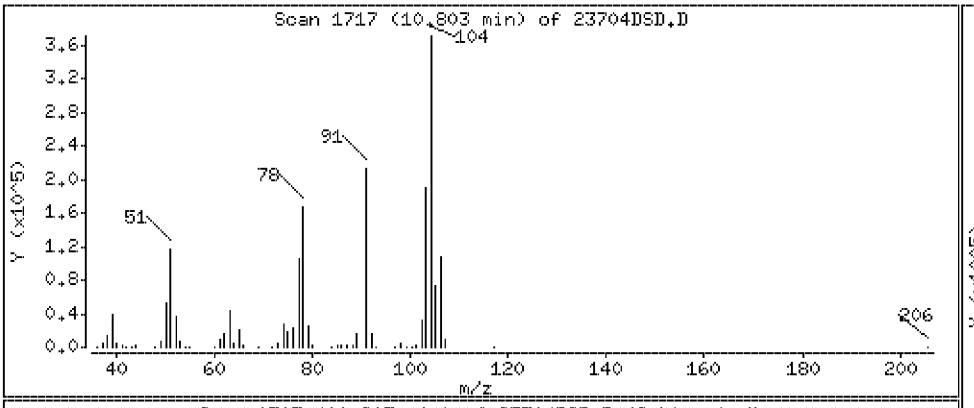
Operator:

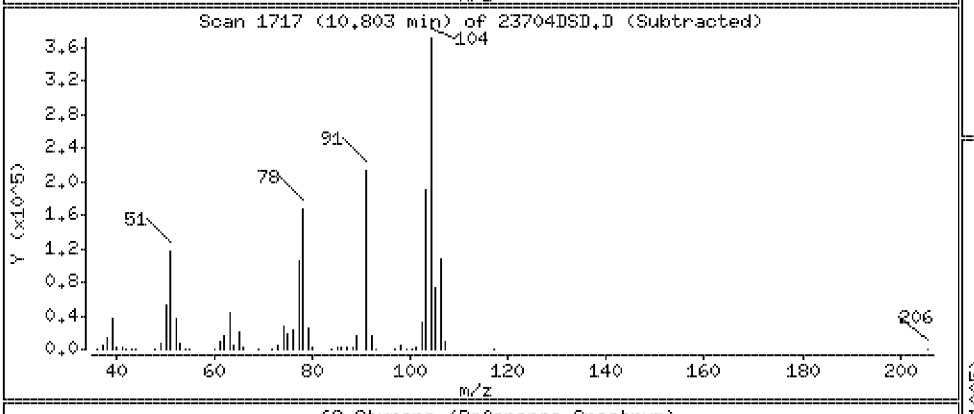
Column phase: RTX-502.2

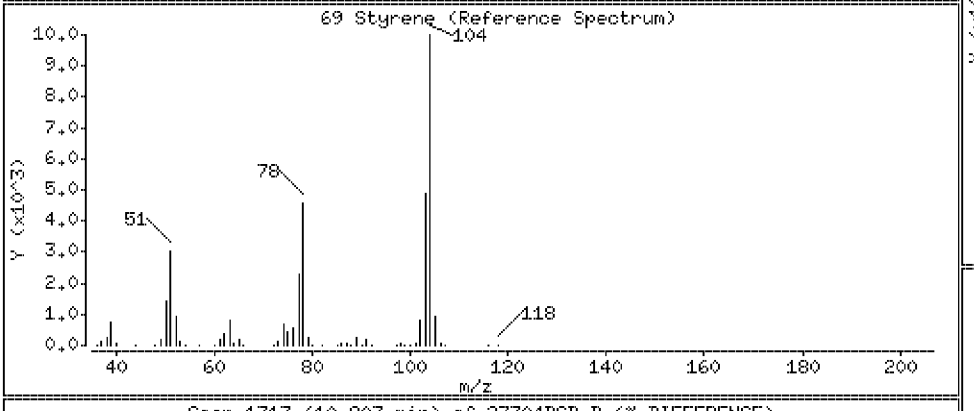
Column diameter: 0.18

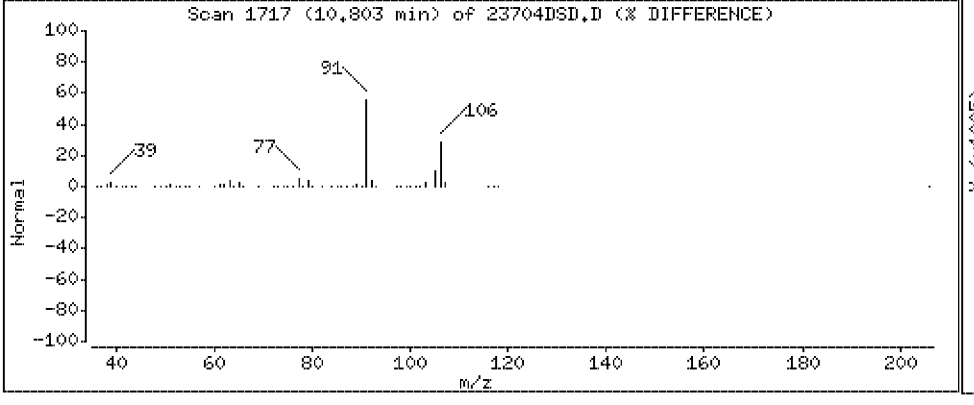
69 Styrene

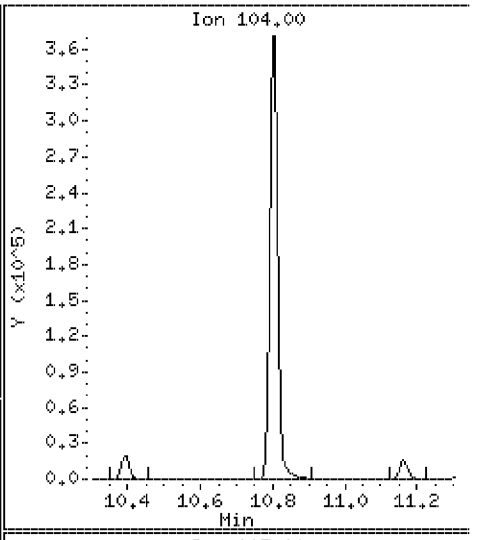
Concentration: 108 ug/l

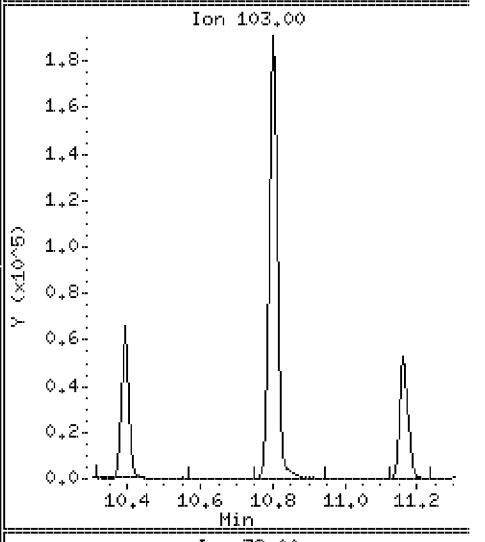


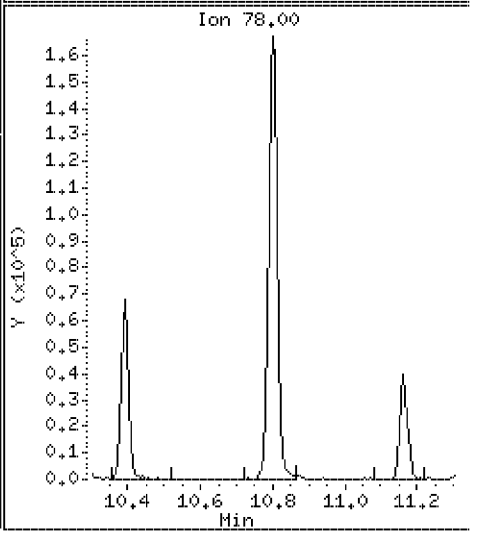












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

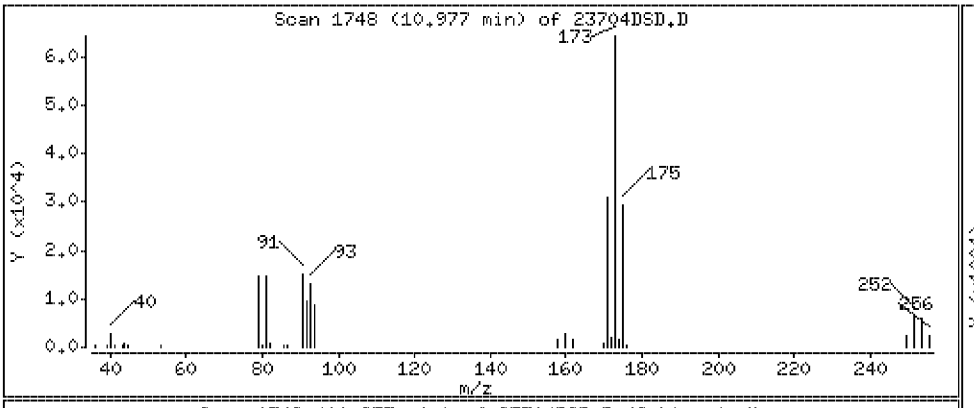
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

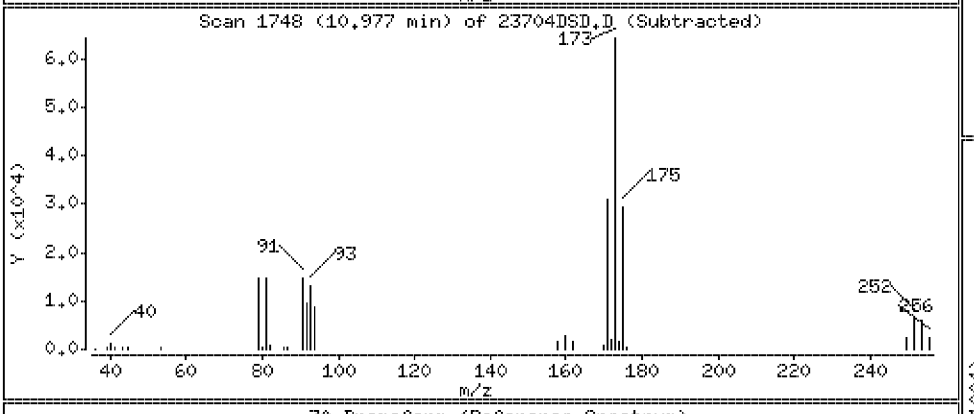
Sample Info: 350023704;3500237;5;

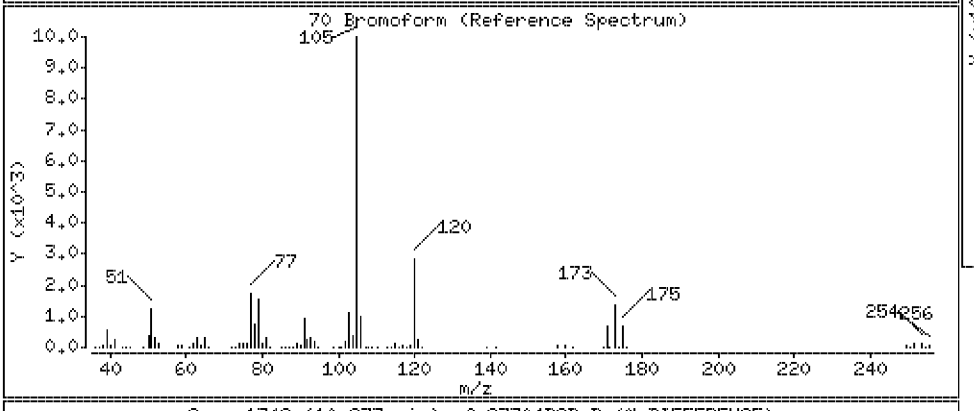
Purge Volume: 5.0 Operator:

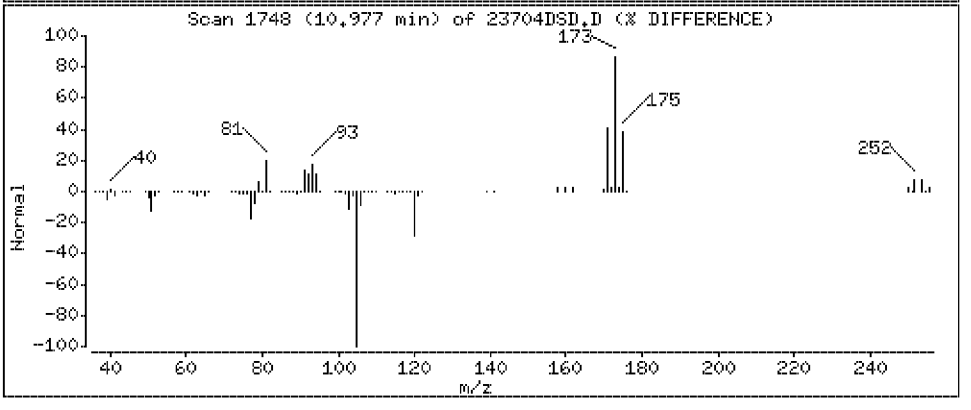
Column phase: RTX-502.2 Column diameter: 0.18

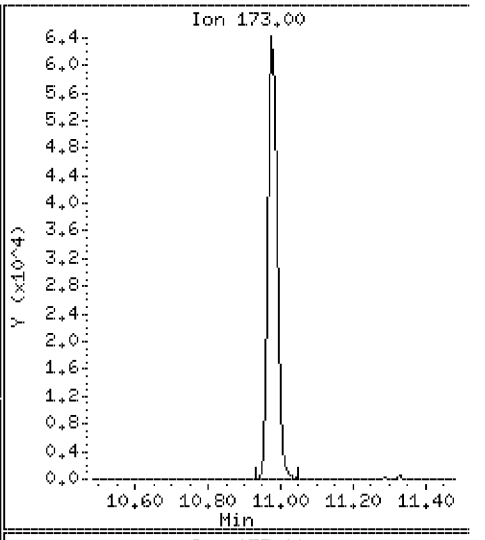
70 Bromoform Concentration: 93.4 ug/l

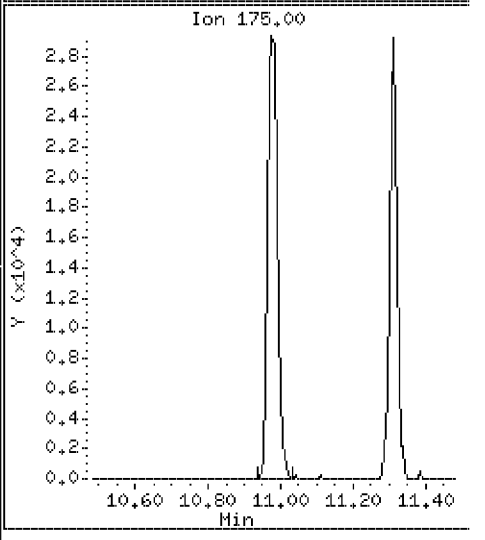












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

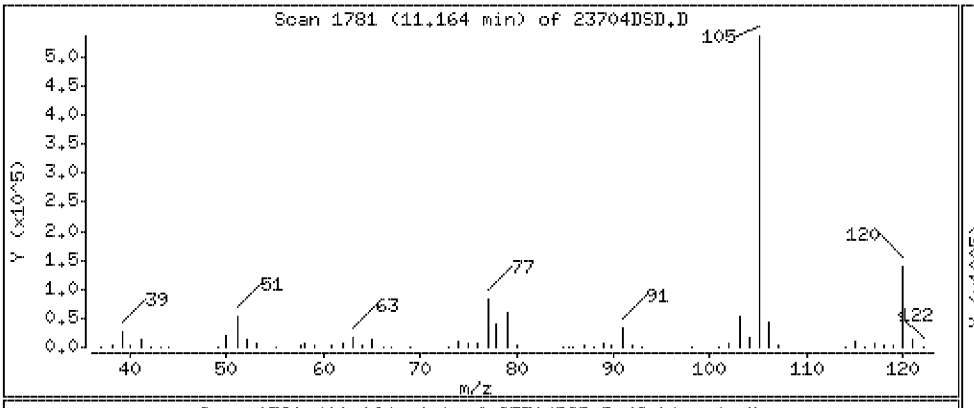
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

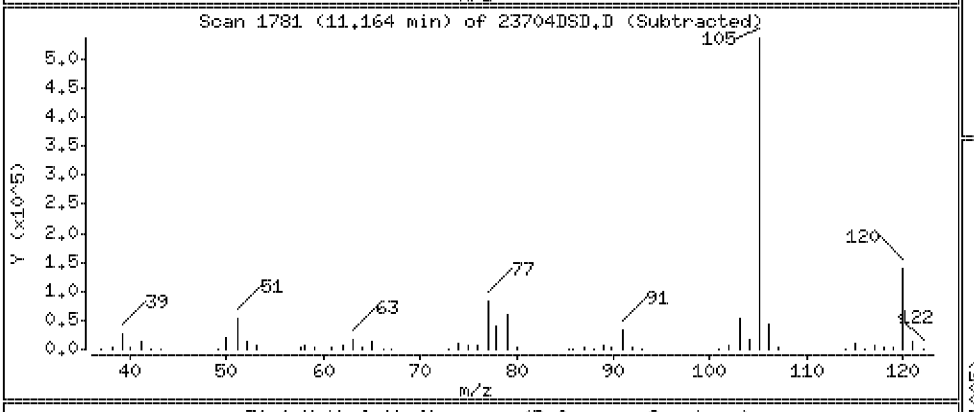
Sample Info: 350023704;3500237;5;

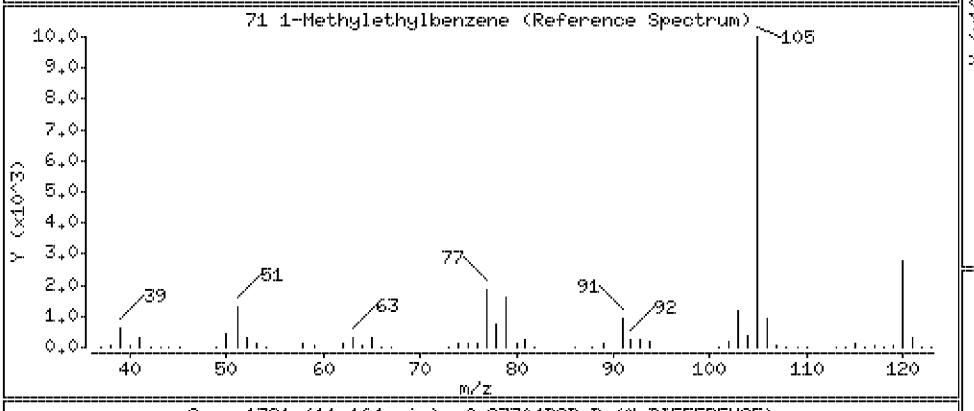
Purge Volume: 5.0 Operator:

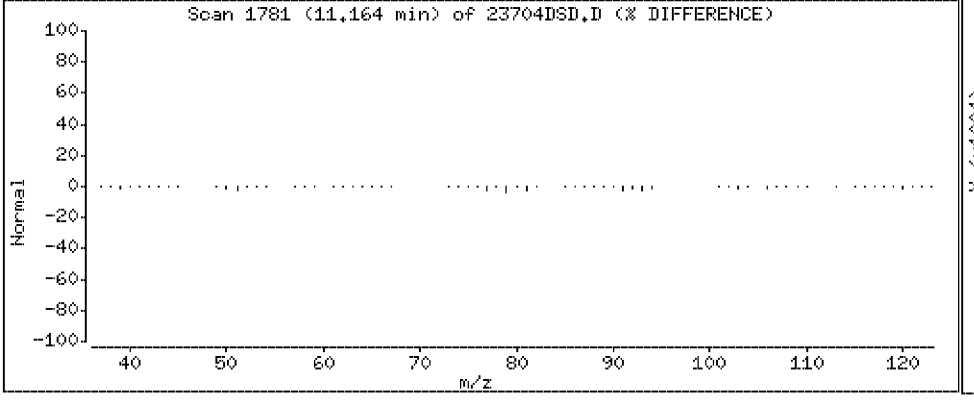
Column phase: RTX-502.2 Column diameter: 0.18

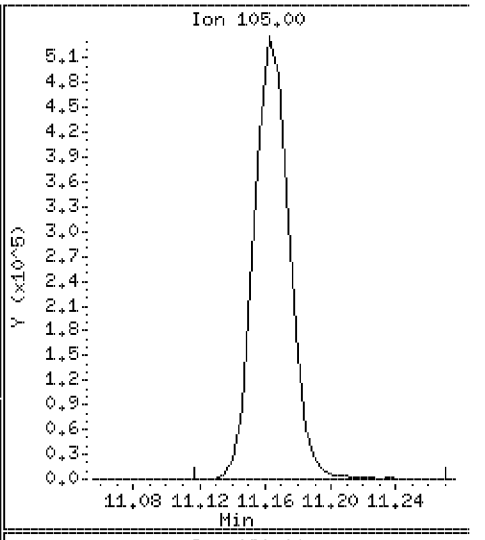
71 1-Methylethylbenzene Concentration: 102 ug/l

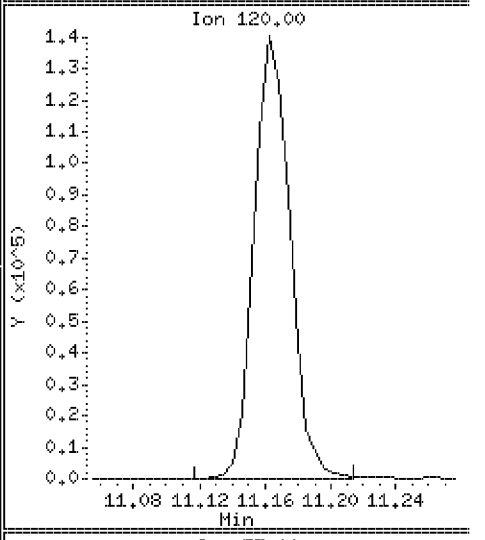


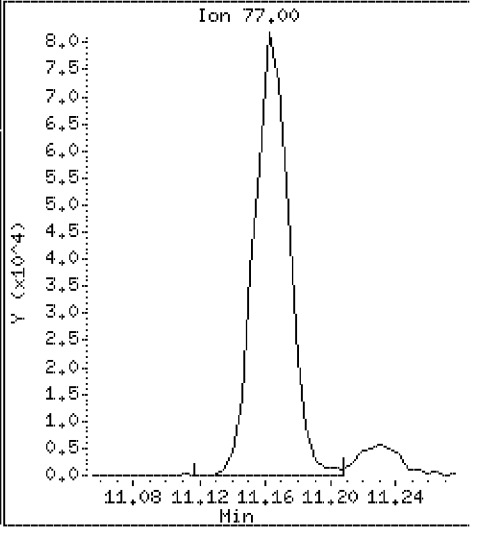












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

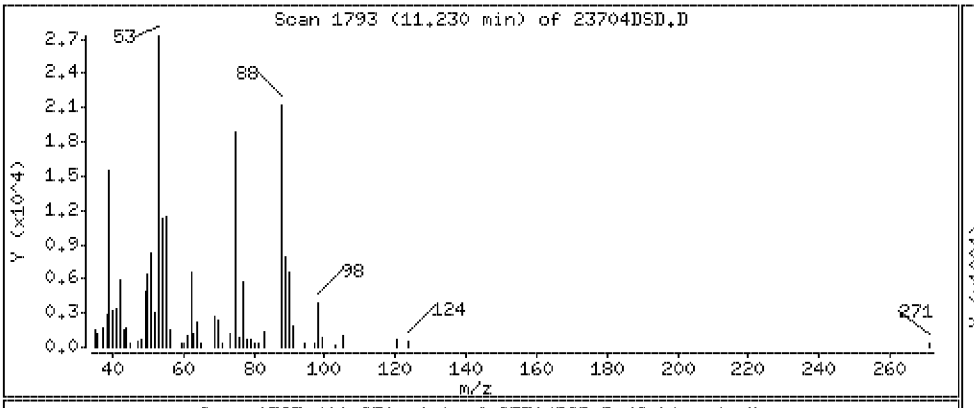
Operator:

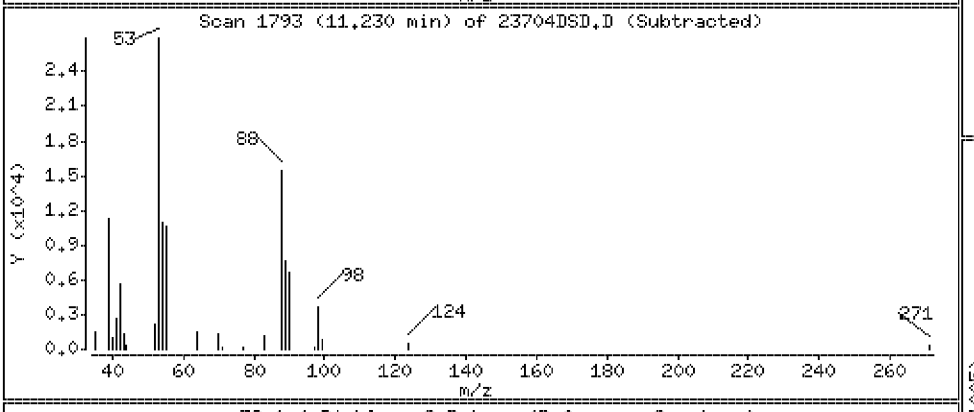
Column phase: RTX-502.2

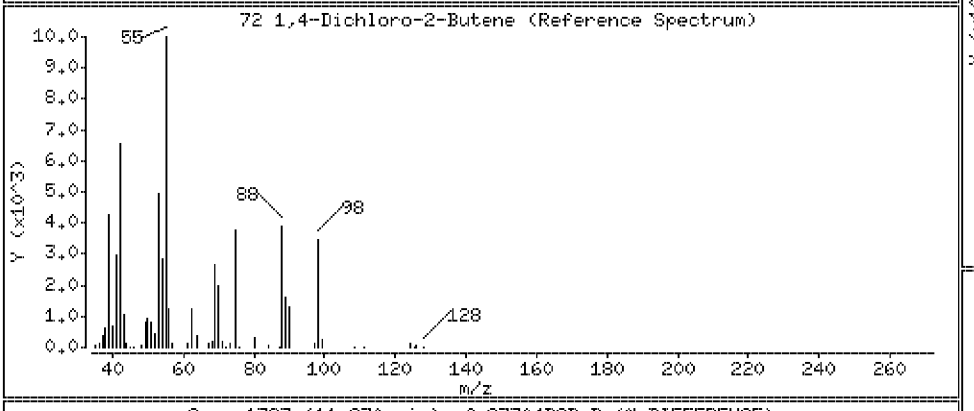
Column diameter: 0.18

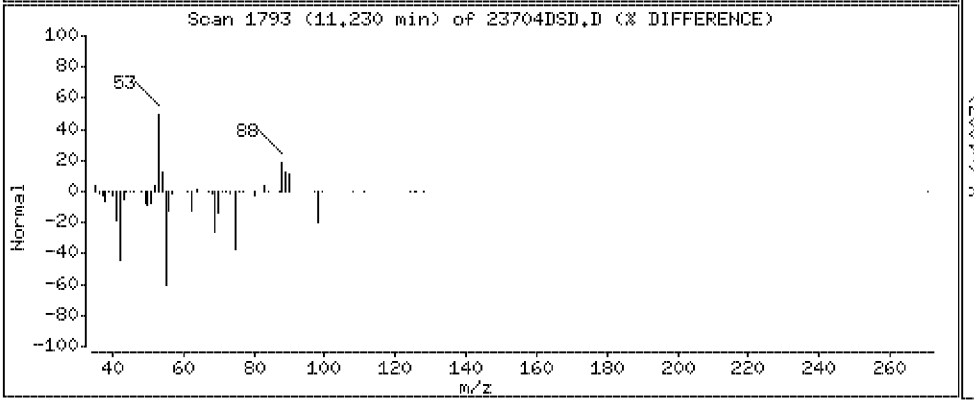
72 1,4-Dichloro-2-Butene

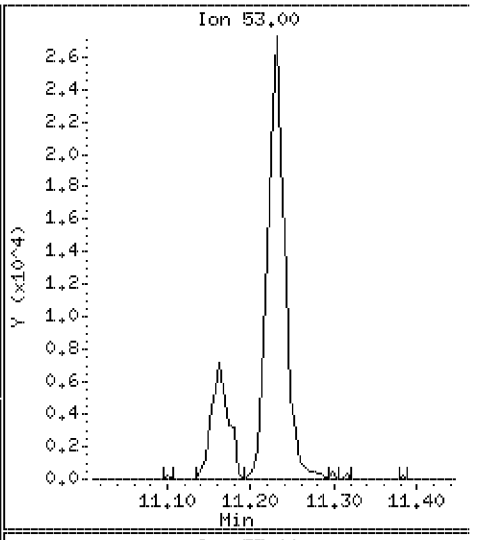
Concentration: 156 ug/l

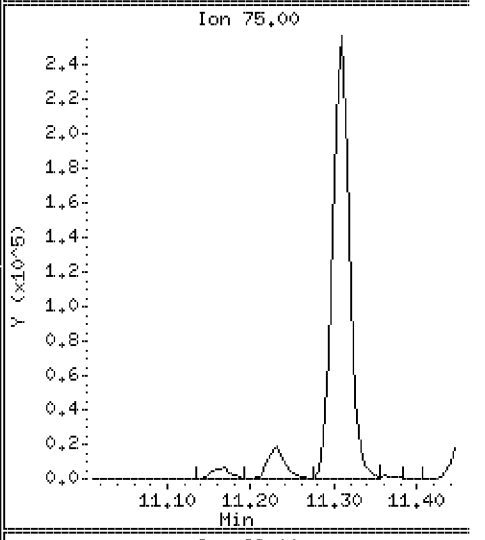


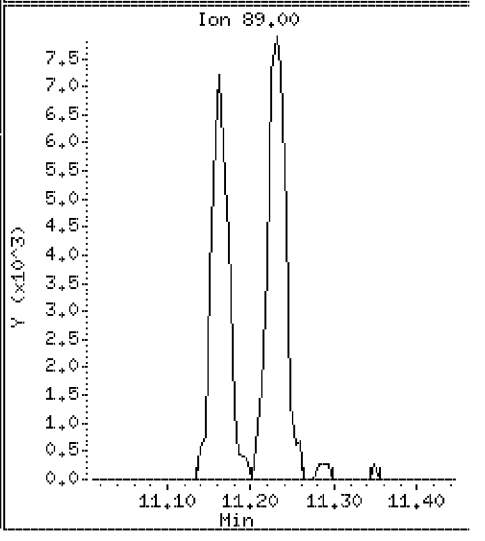












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

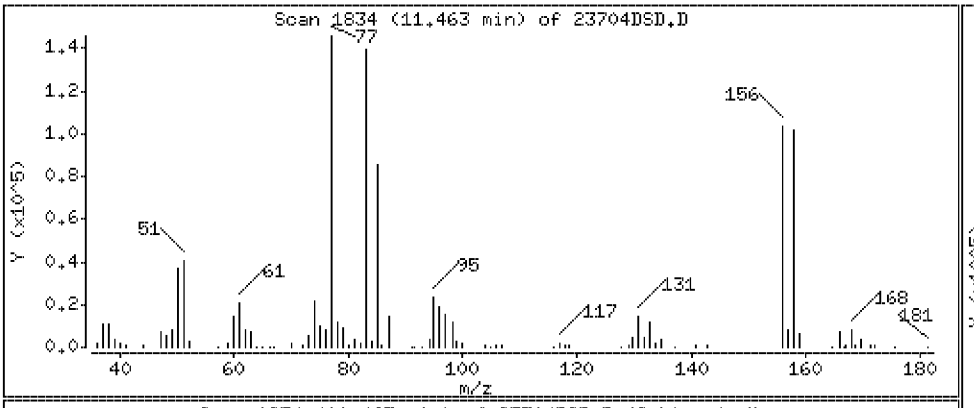
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

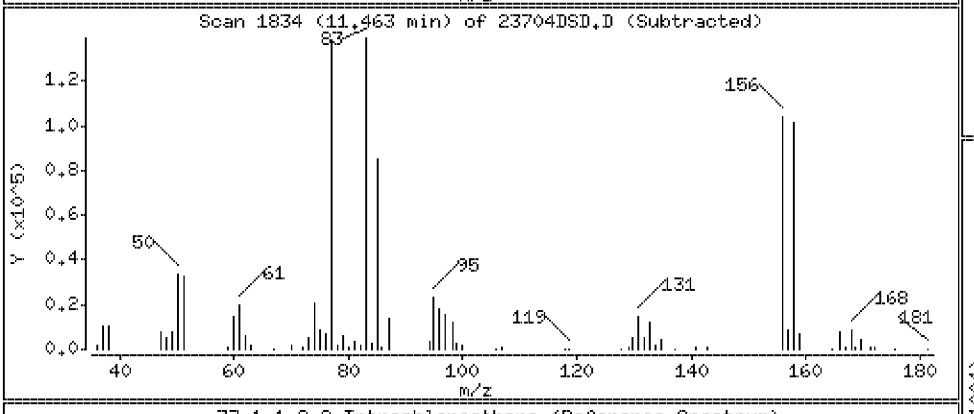
Sample Info: 350023704;3500237;5;

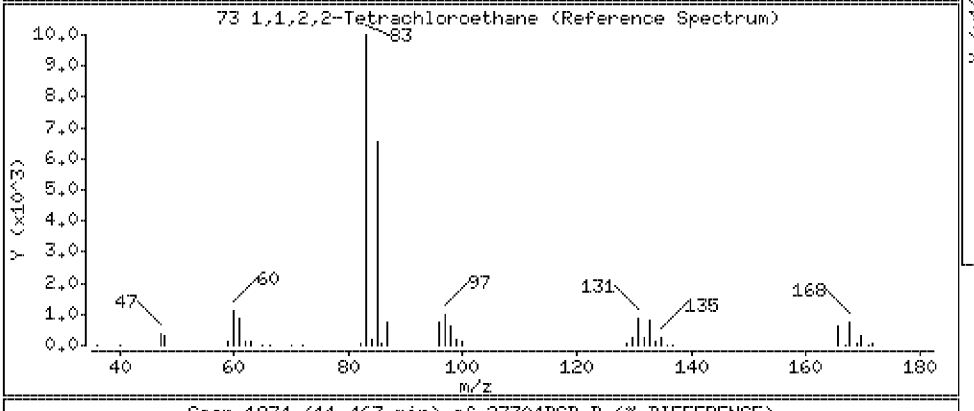
Purge Volume: 5.0 Operator:

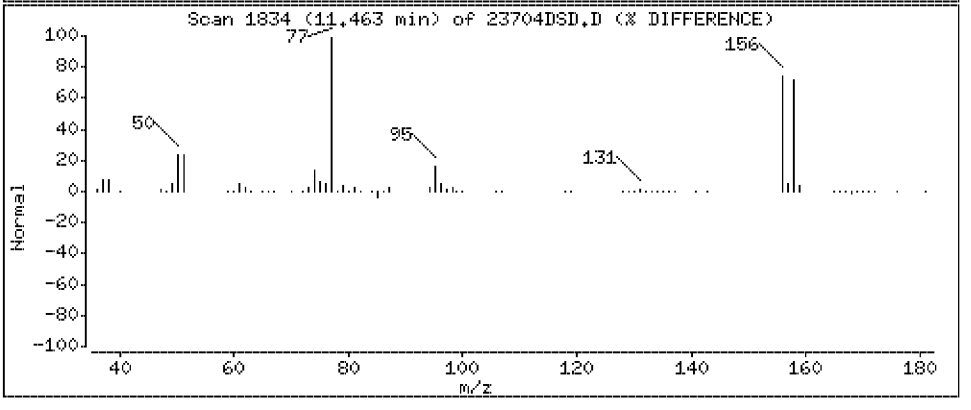
Column phase: RTX-502.2 Column diameter: 0.18

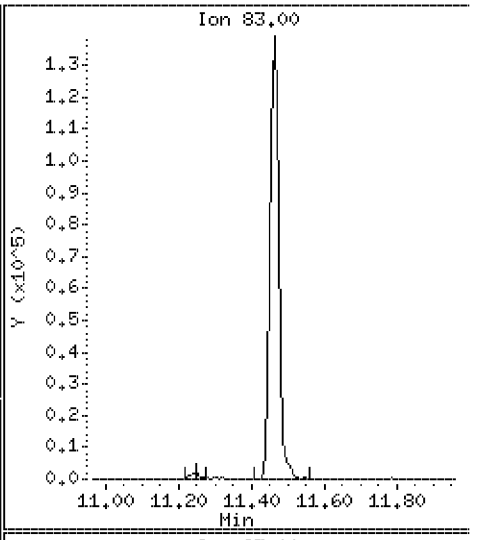
73 1,1,2,2-Tetrachloroethane Concentration: 94.5 ug/l

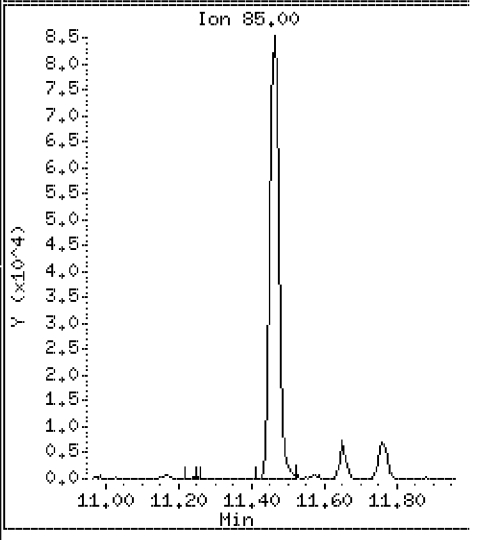












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

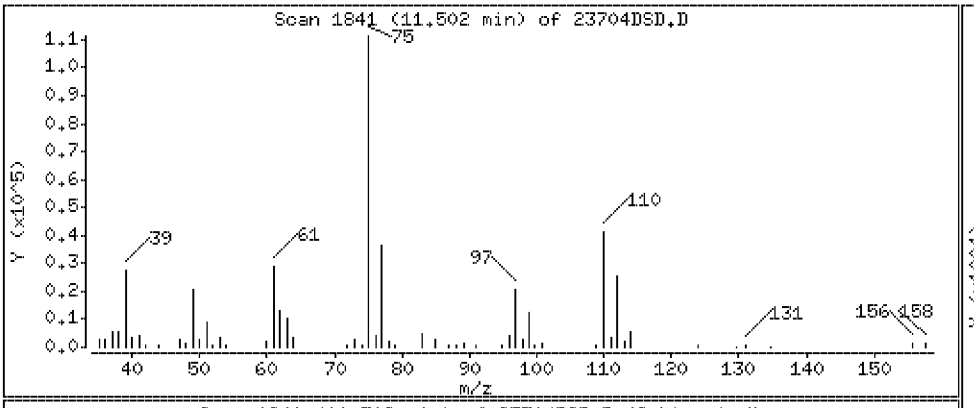
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

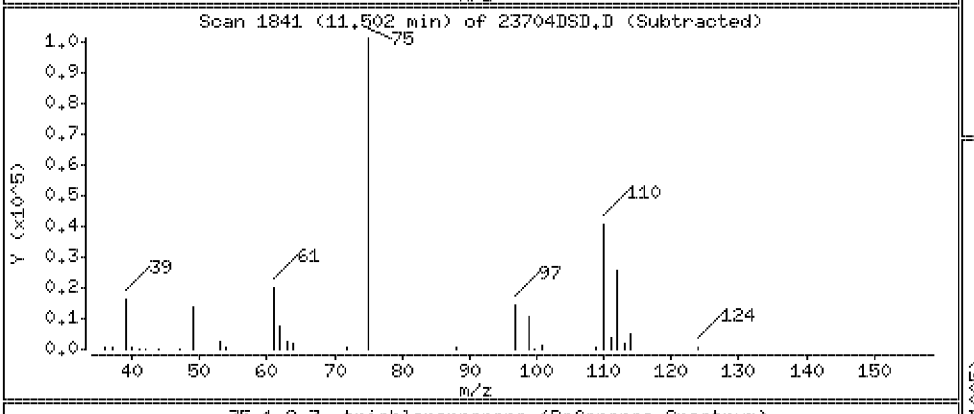
Sample Info: 350023704;3500237;5;

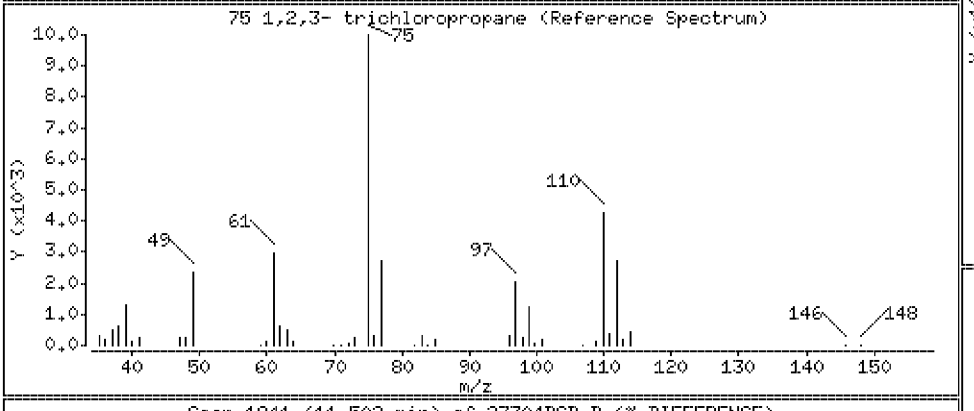
Purge Volume: 5.0 Operator:

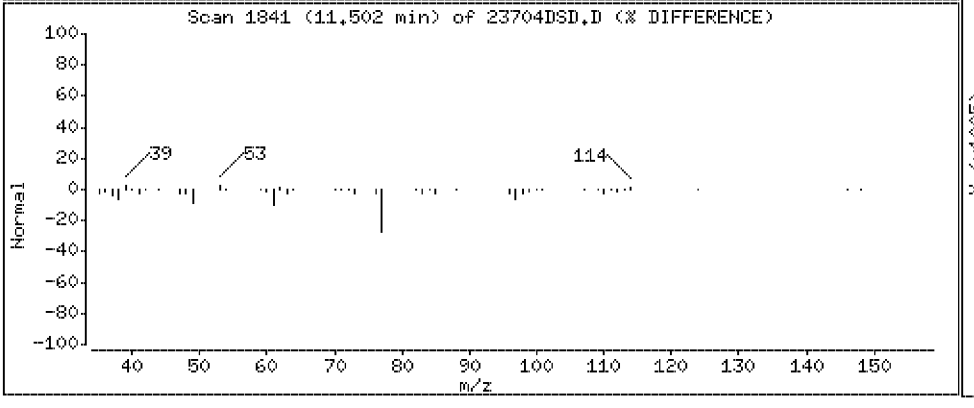
Column phase: RTX-502.2 Column diameter: 0.18

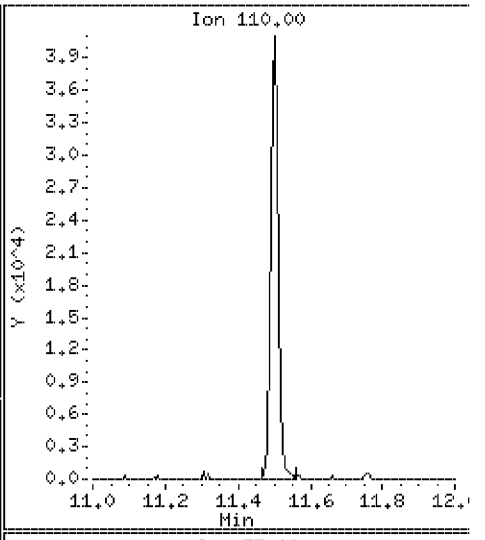
75 1,2,3- trichloropropane Concentration: 95.6 ug/l

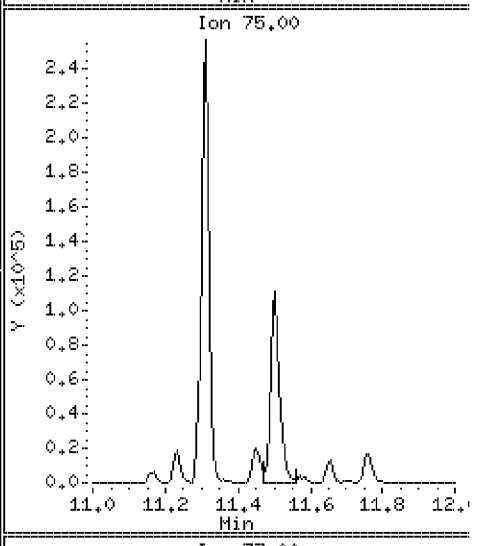


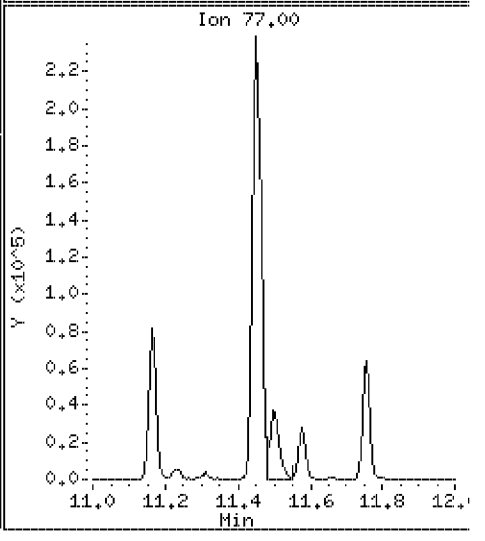












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

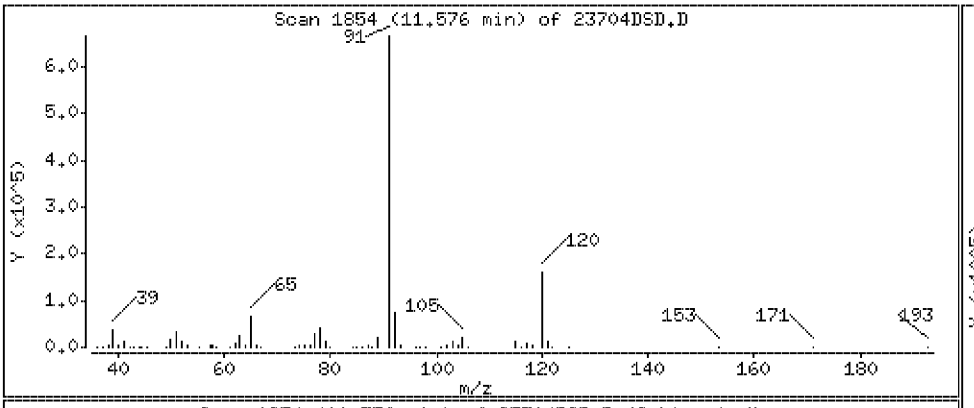
Operator:

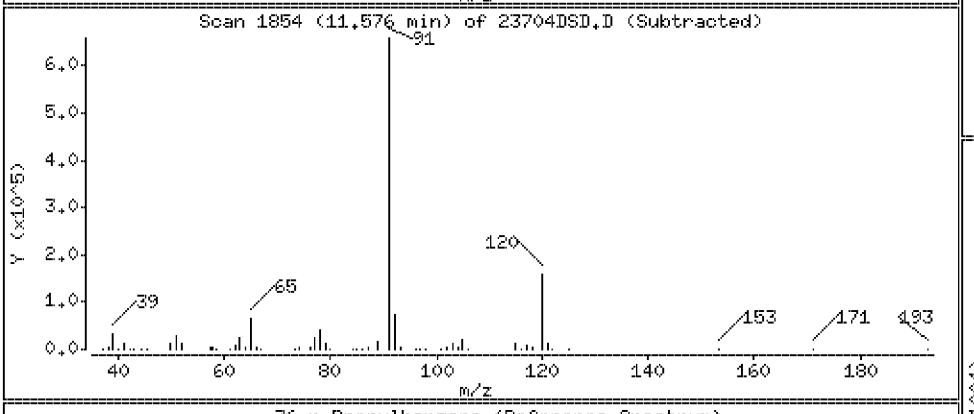
Column phase: RTX-502.2

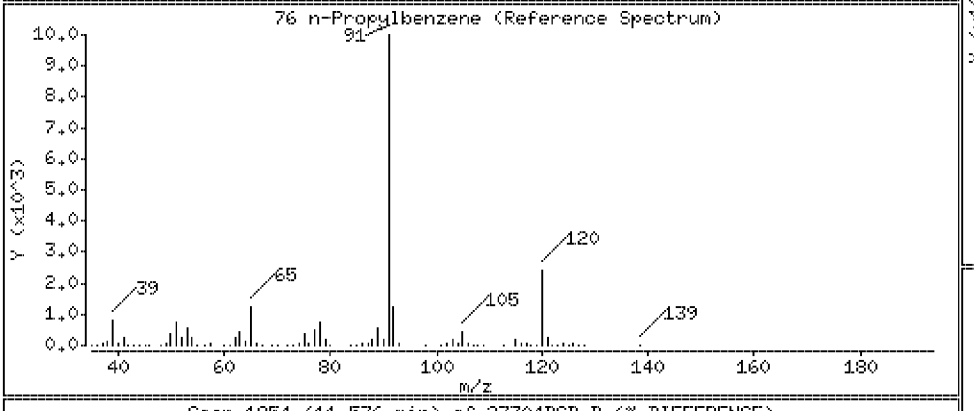
Column diameter: 0.18

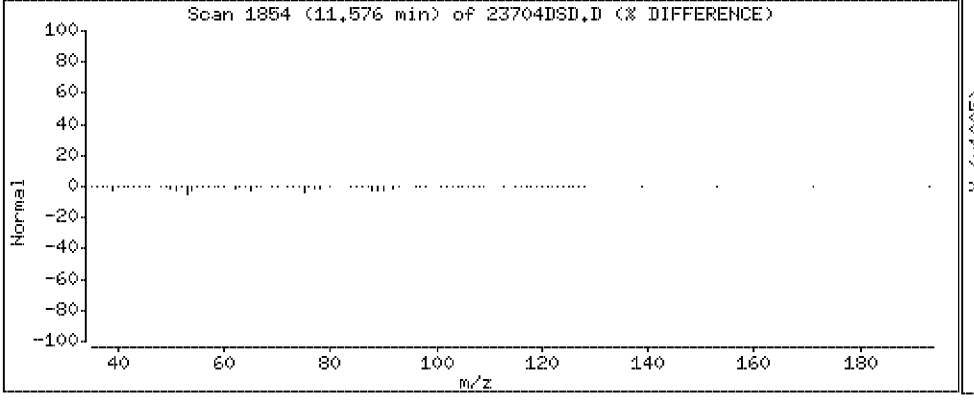
76 n-Propylbenzene

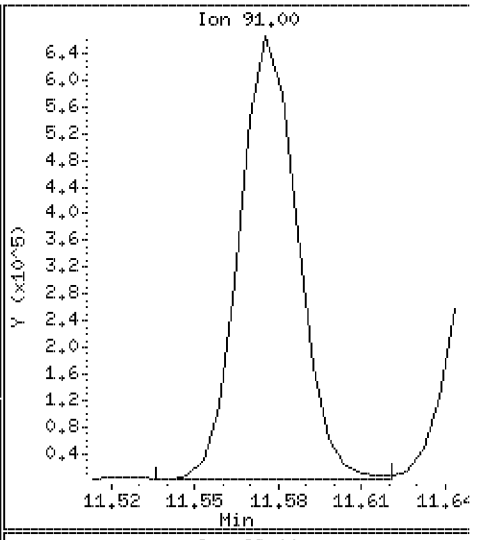
Concentration: 104 ug/l

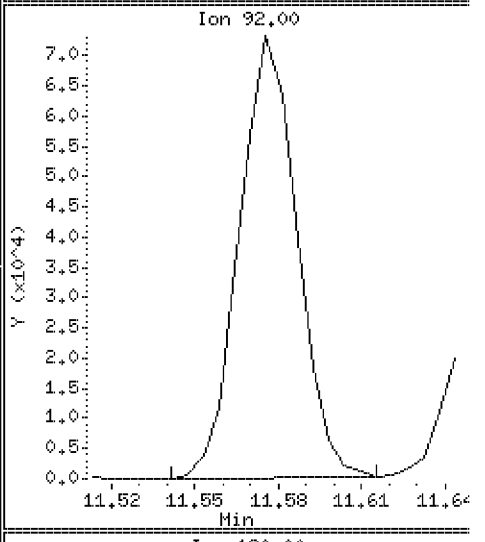


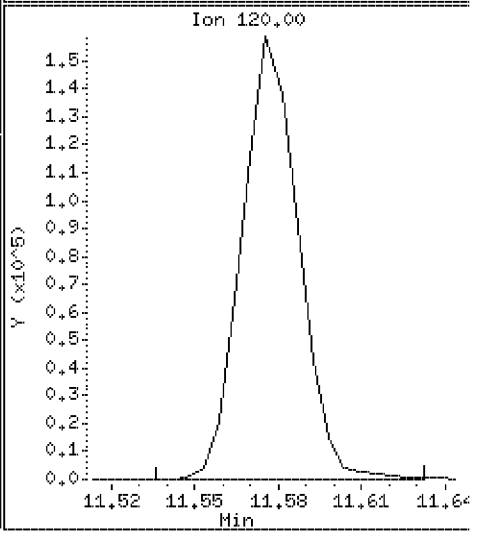












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

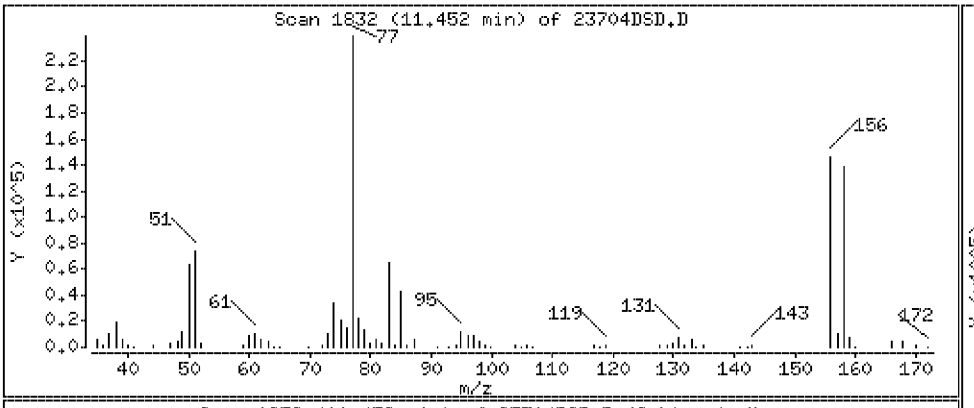
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

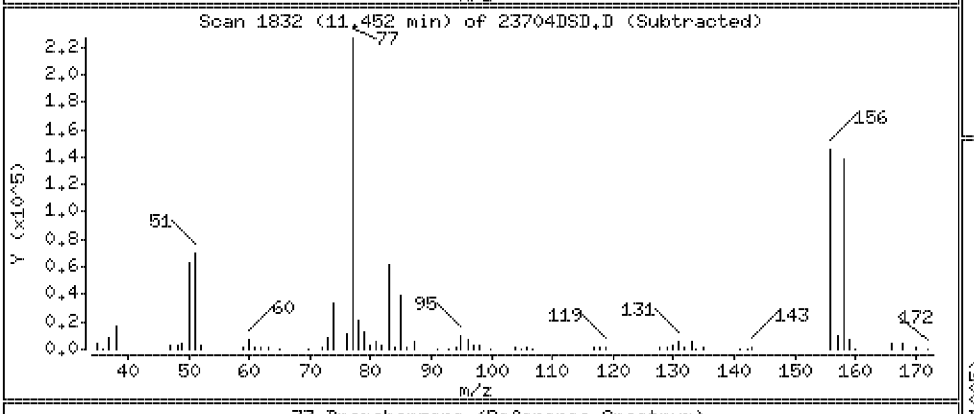
Sample Info: 350023704;3500237;5;

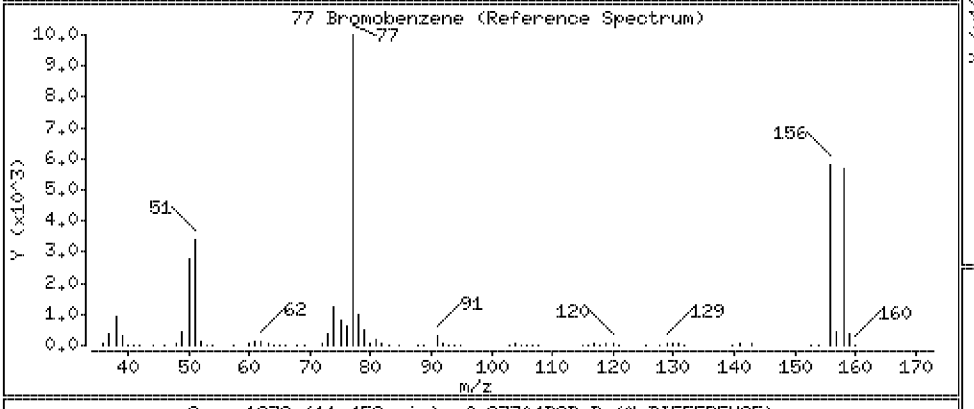
Purge Volume: 5.0 Operator:

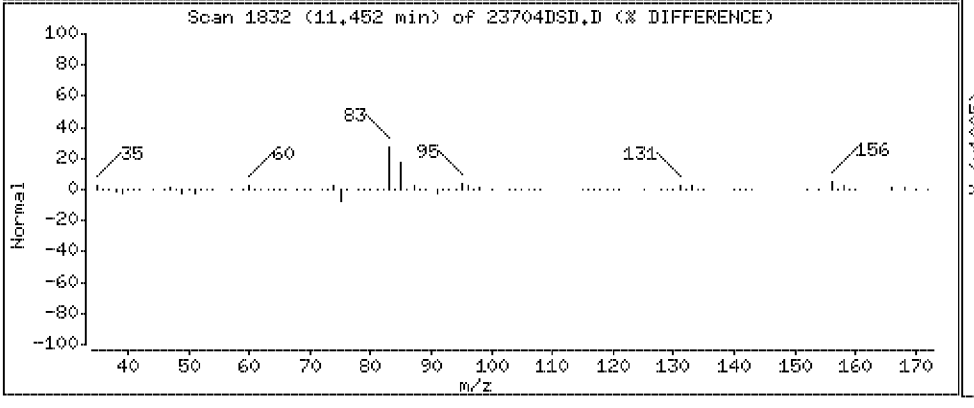
Column phase: RTX-502.2 Column diameter: 0.18

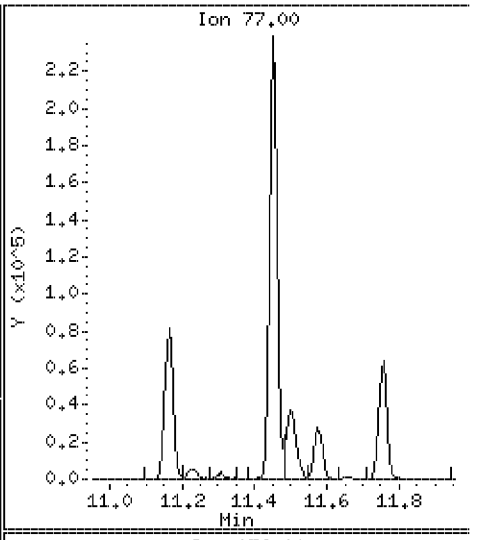
77 Bromobenzene Concentration: 98.4 ug/l

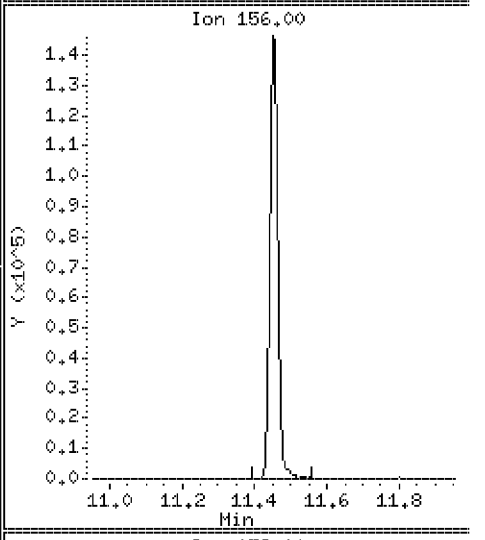


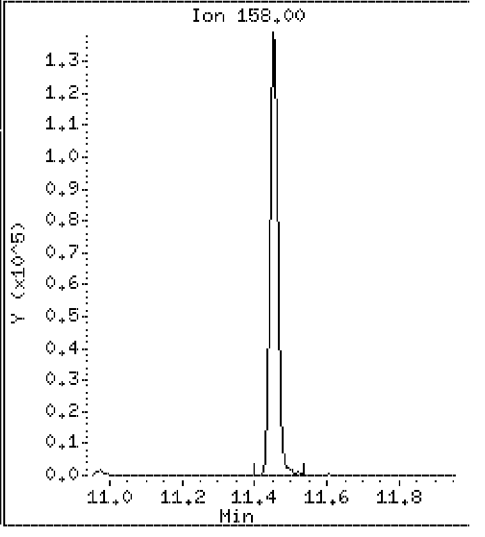












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

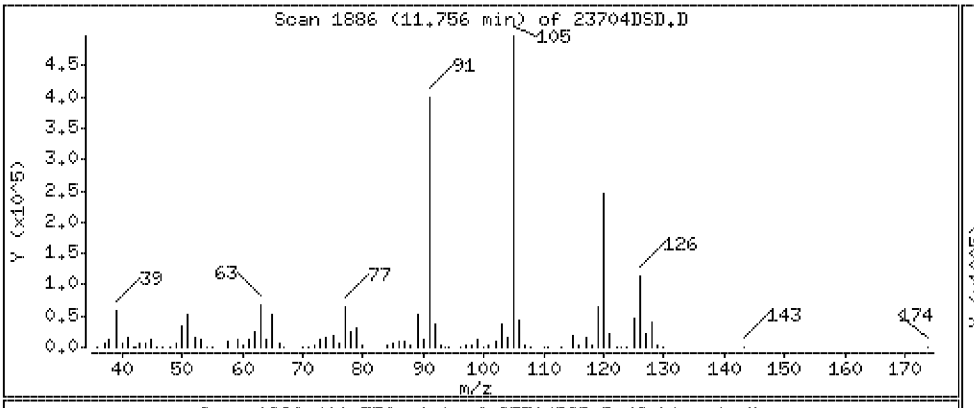
Operator:

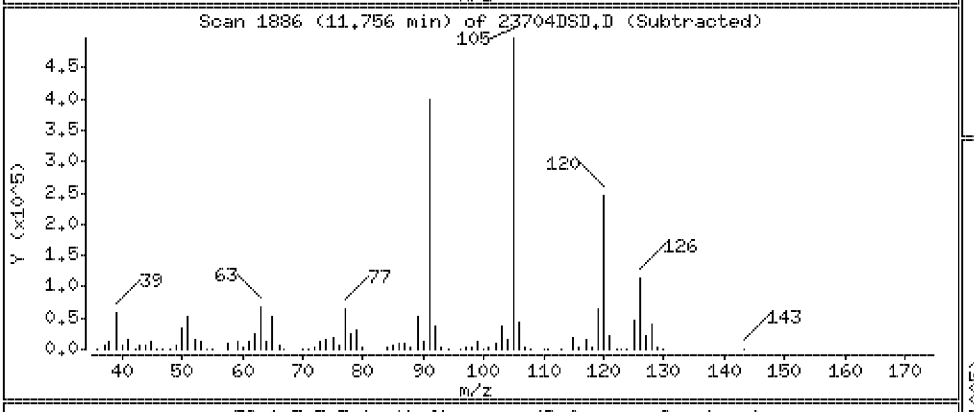
Column phase: RTX-502.2

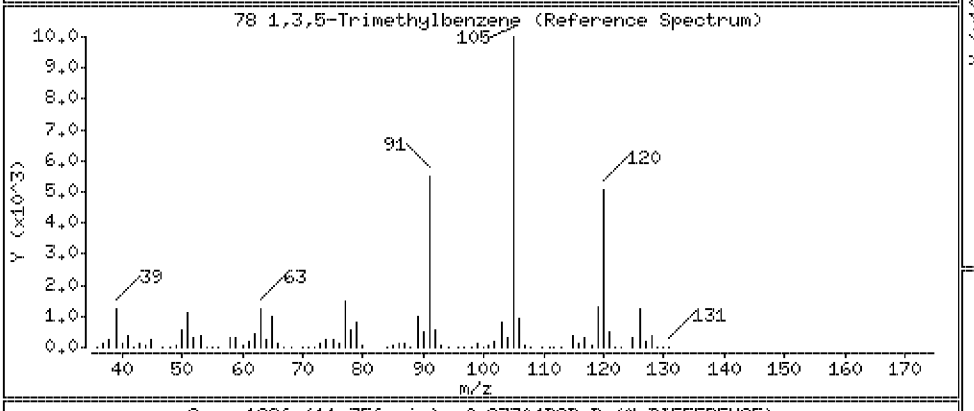
Column diameter: 0.18

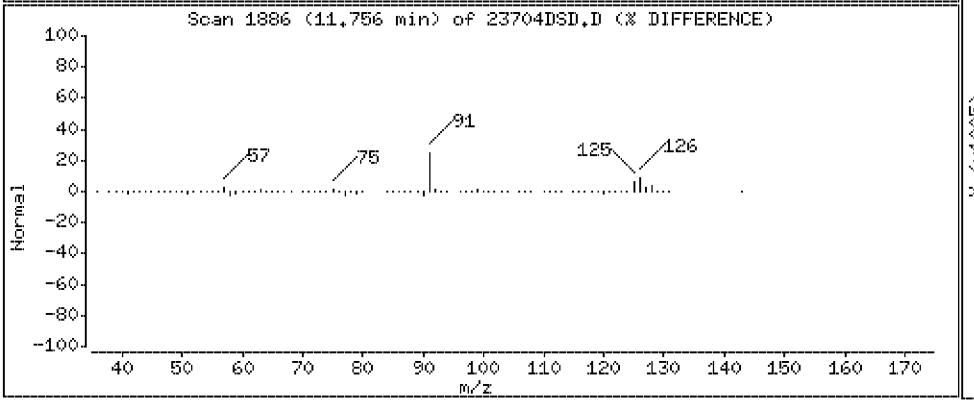
78 1,3,5-Trimethylbenzene

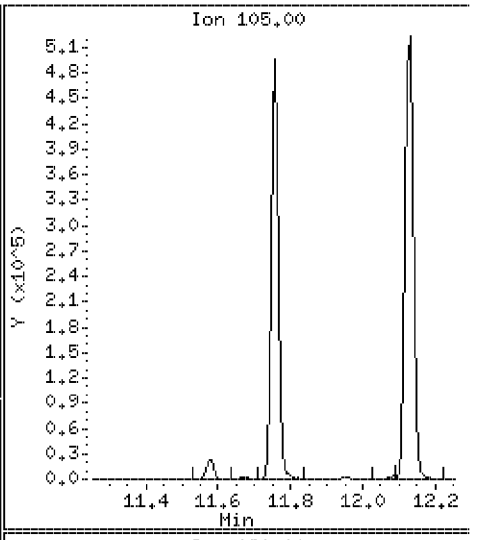
Concentration: 104 ug/l

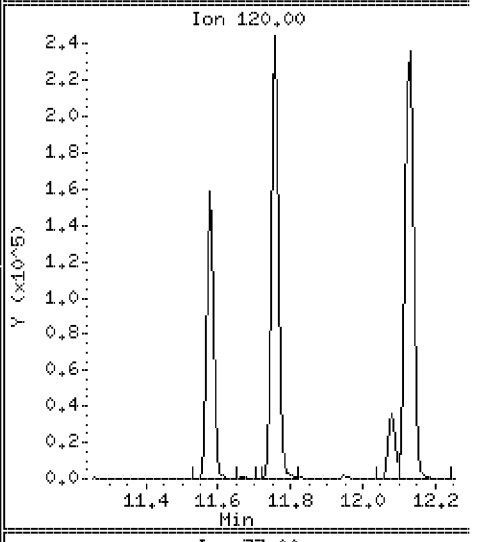


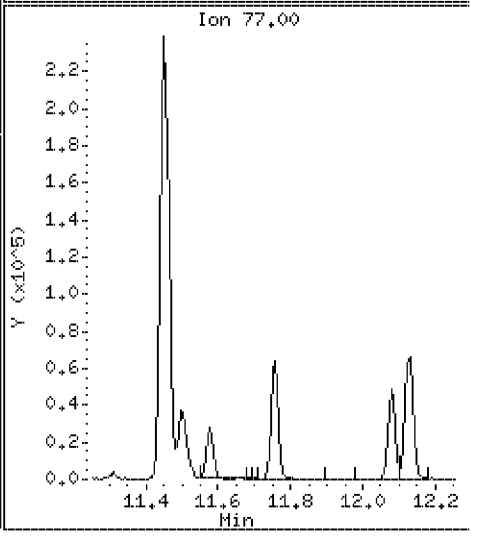












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

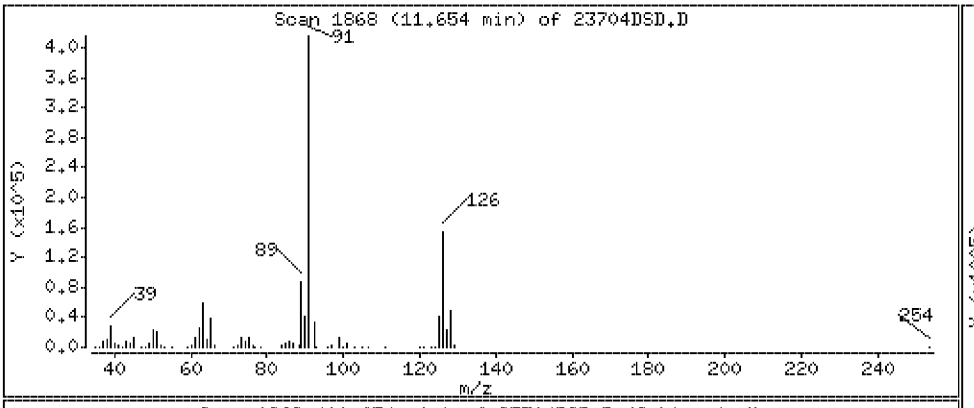
Operator:

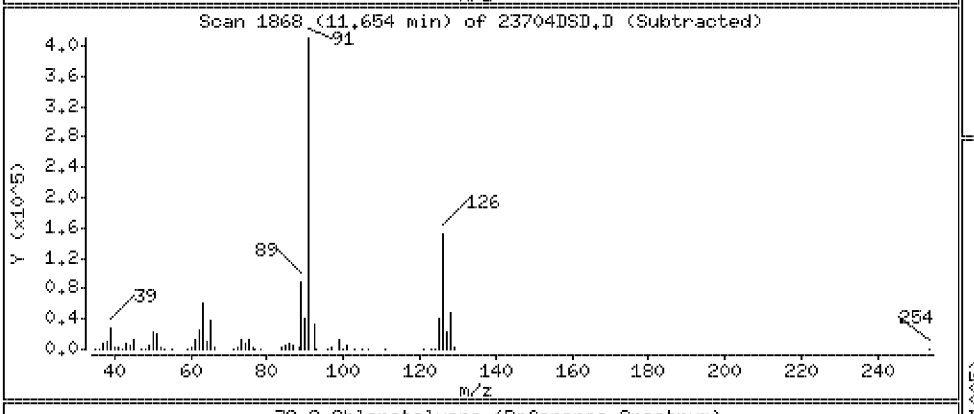
Column phase: RTX-502.2

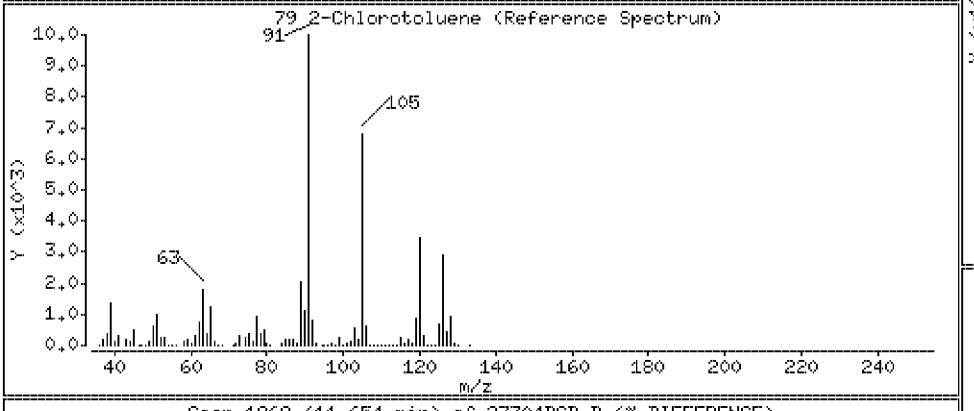
Column diameter: 0.18

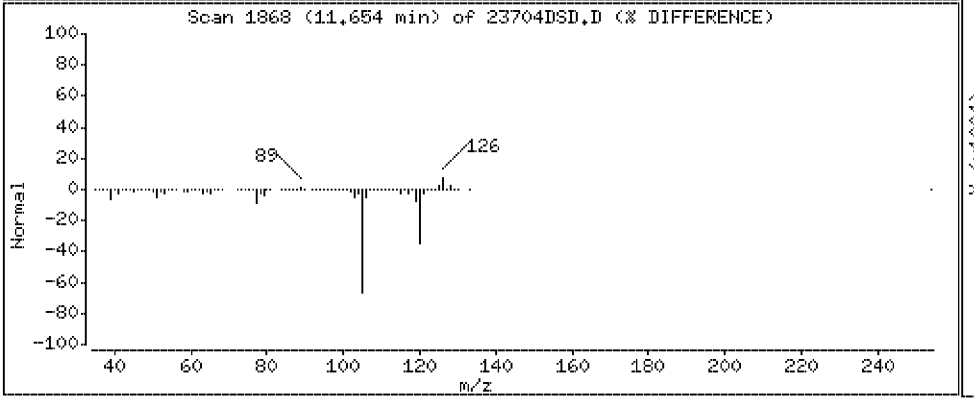
79 2-Chlorotoluene

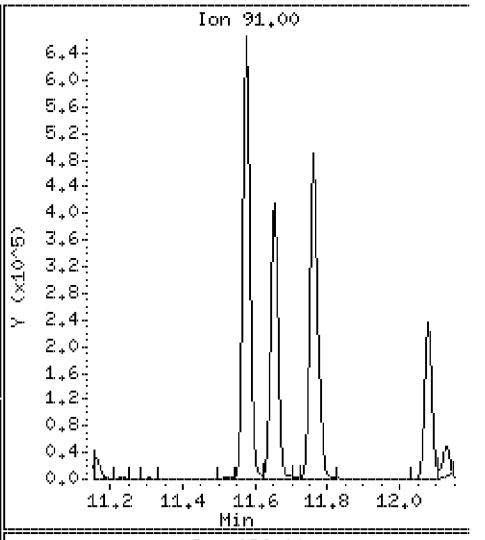
Concentration: 102 ug/l

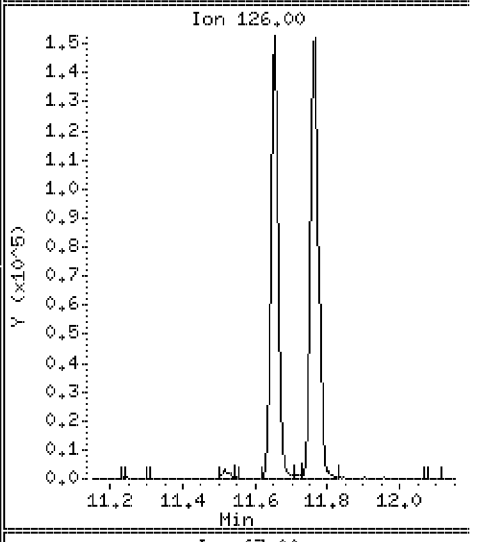


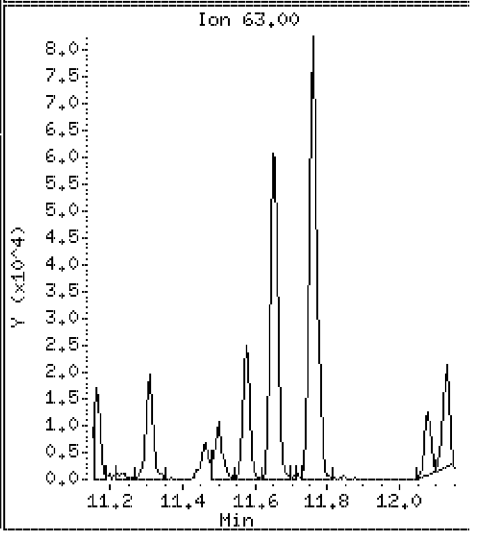












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

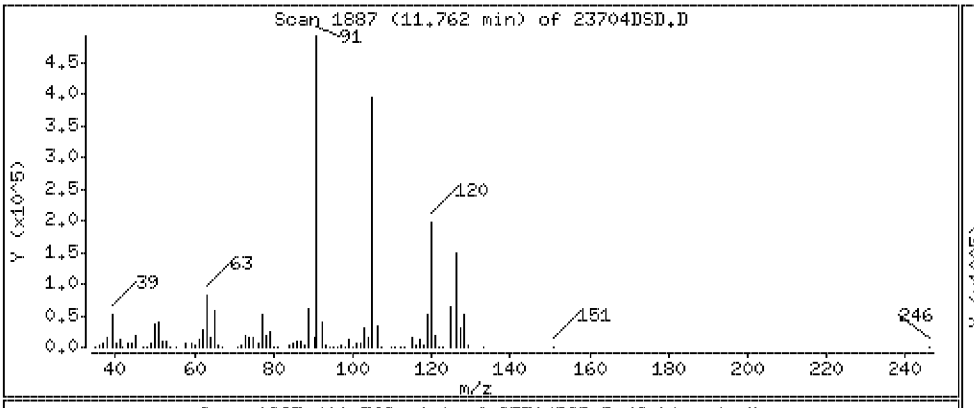
Operator:

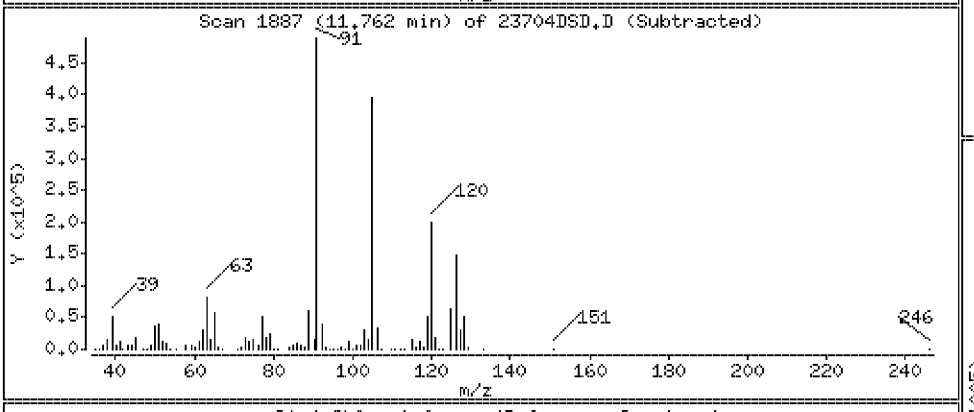
Column phase: RTX-502.2

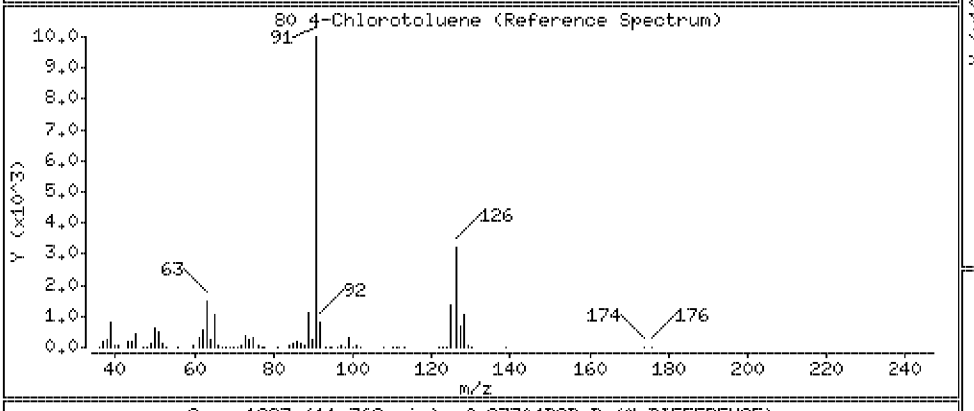
Column diameter: 0.18

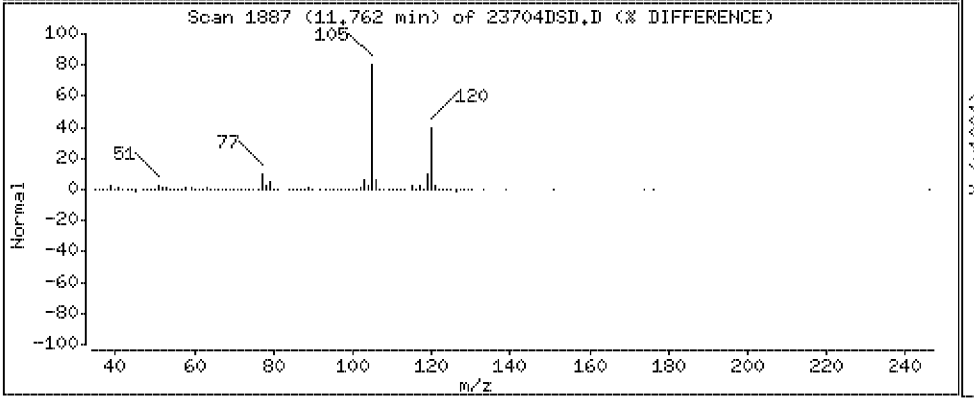
80 4-Chlorotoluene

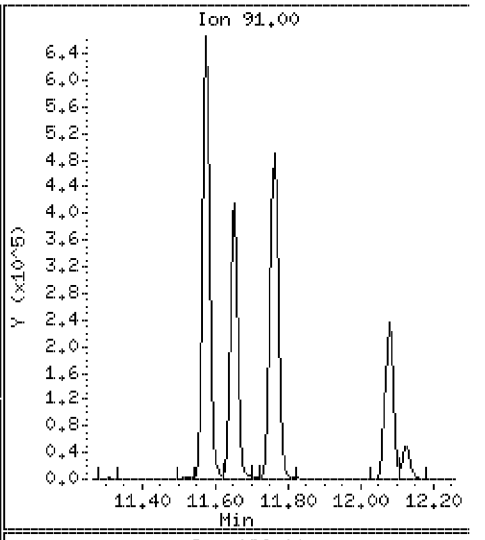
Concentration: 102 ug/l

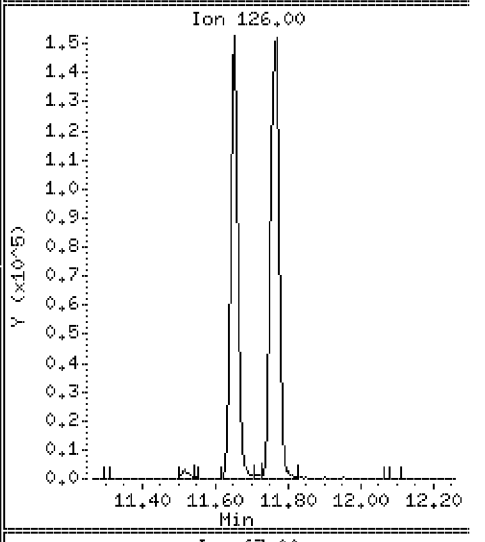


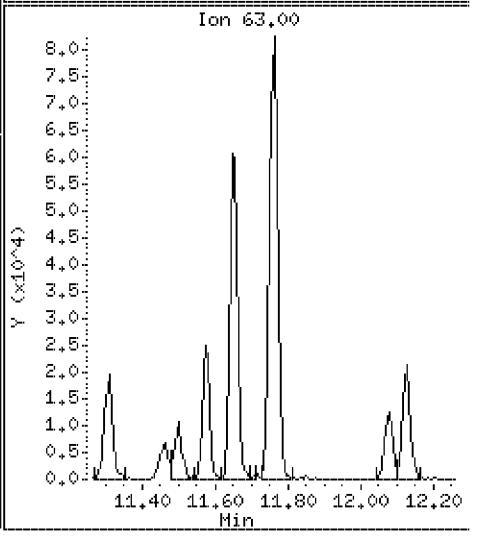












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

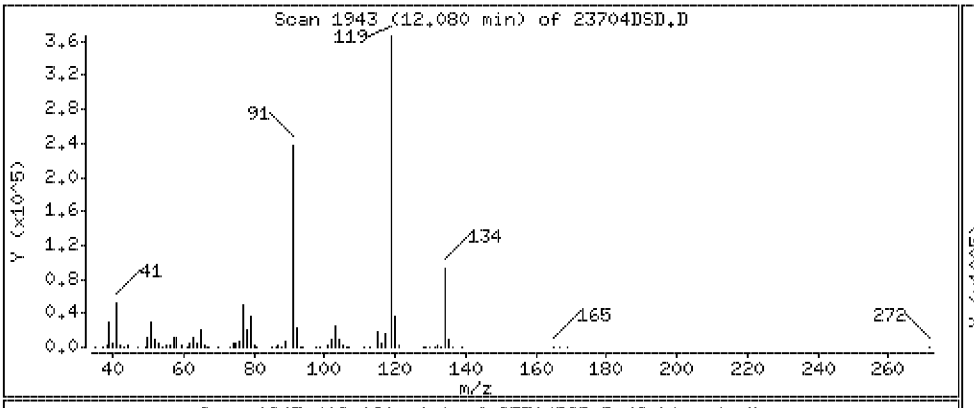
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

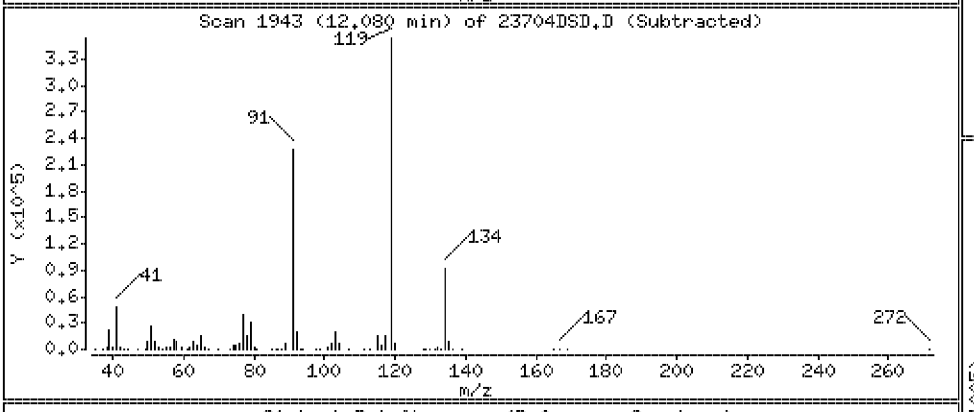
Sample Info: 350023704;3500237;5;

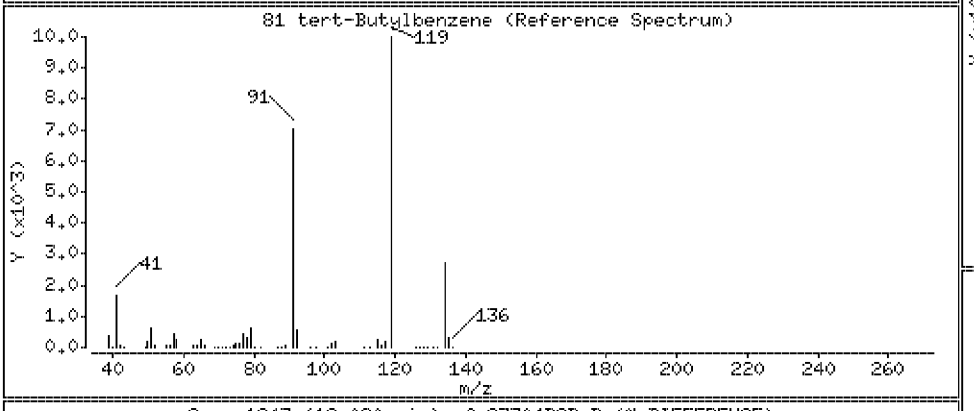
Purge Volume: 5.0 Operator:

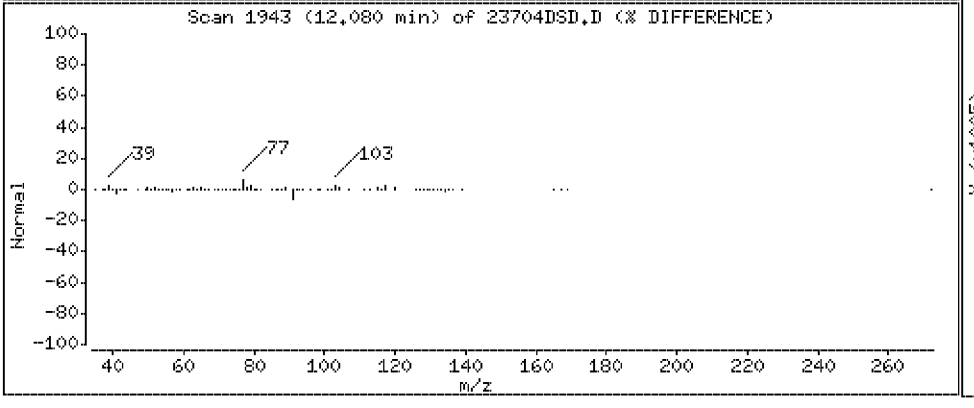
Column phase: RTX-502.2 Column diameter: 0.18

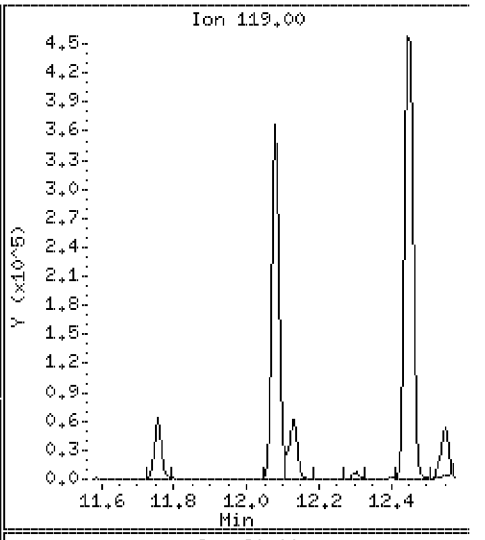
81 tert-Butylbenzene Concentration: 101 ug/l

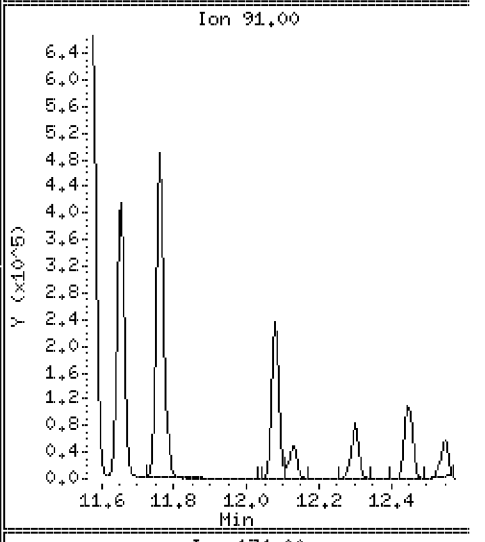


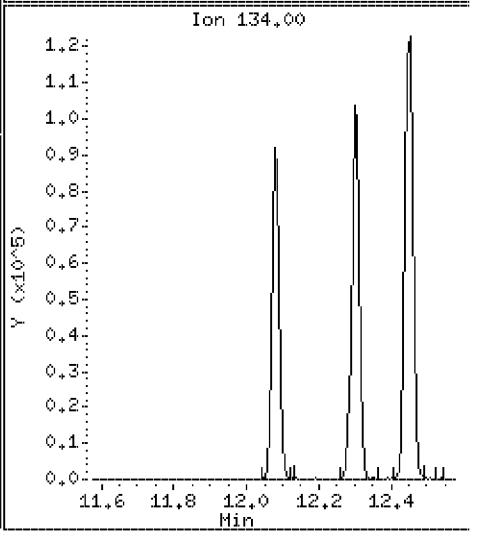












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

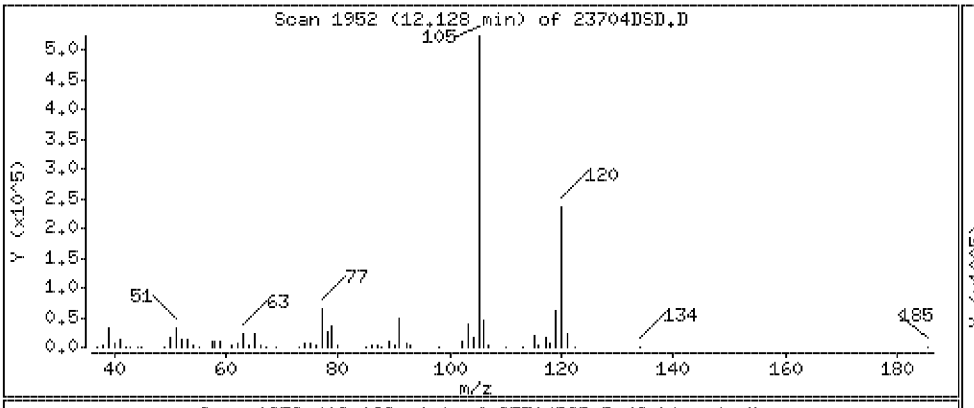
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

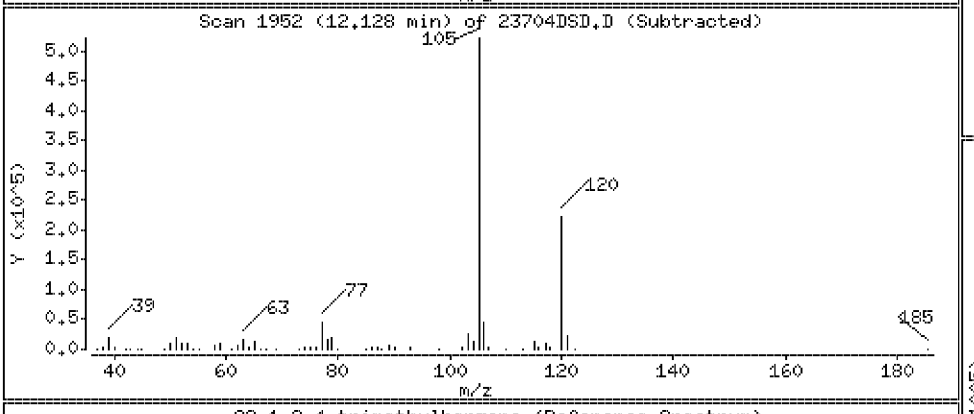
Sample Info: 350023704;3500237;5;

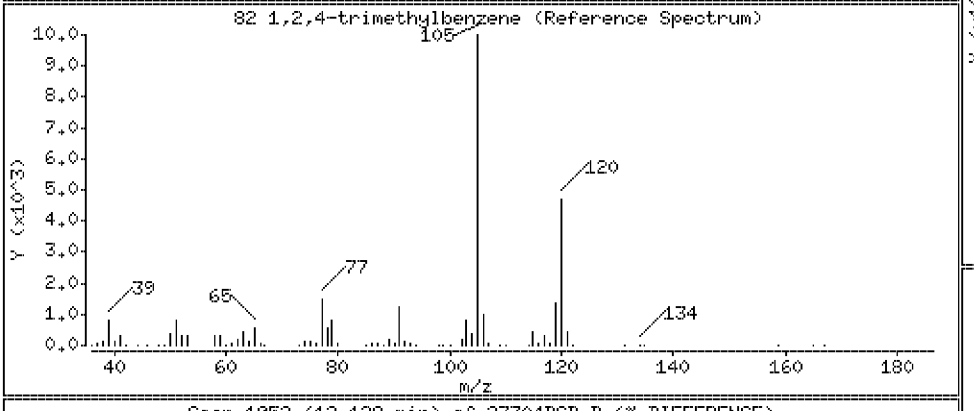
Purge Volume: 5.0 Operator:

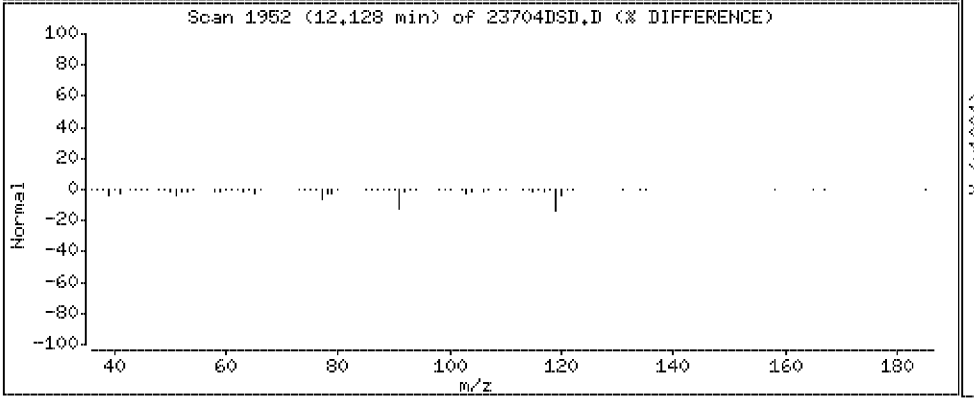
Column phase: RTX-502.2 Column diameter: 0.18

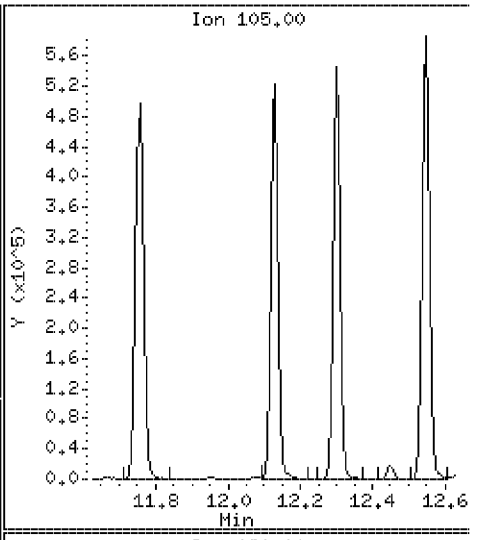
82 1,2,4-trimethylbenzene Concentration: 103 ug/l

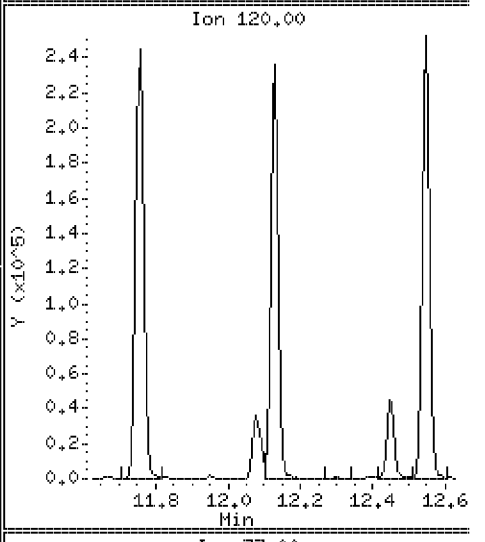


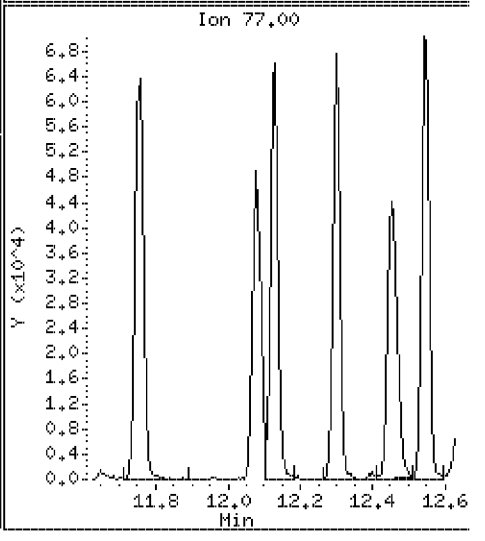












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

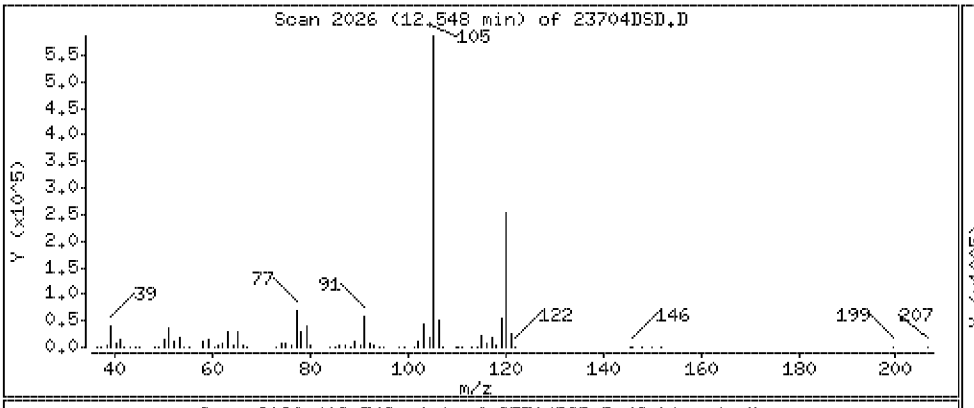
Operator:

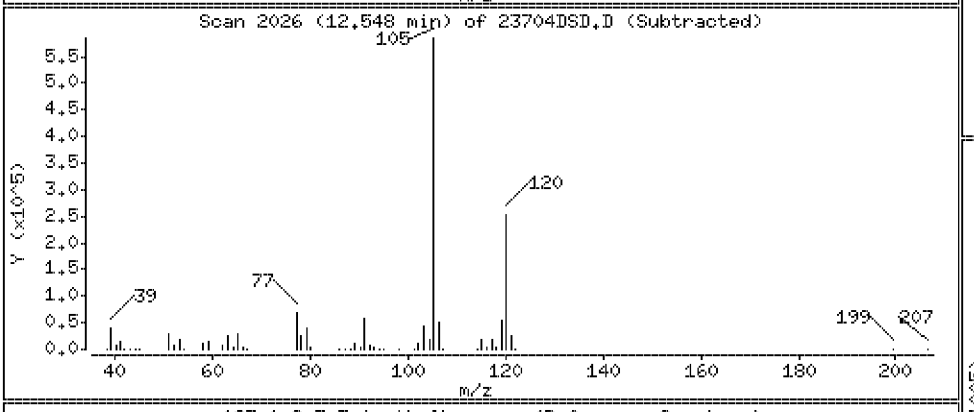
Column phase: RTX-502.2

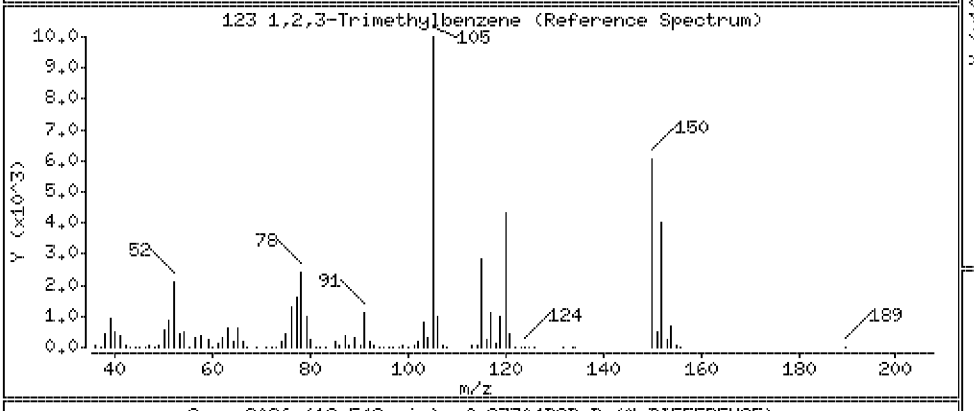
Column diameter: 0.18

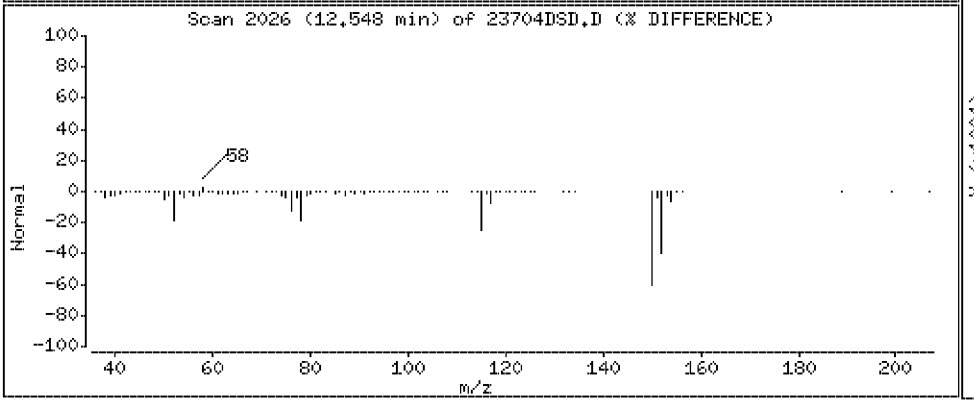
123 1,2,3-Trimethylbenzene

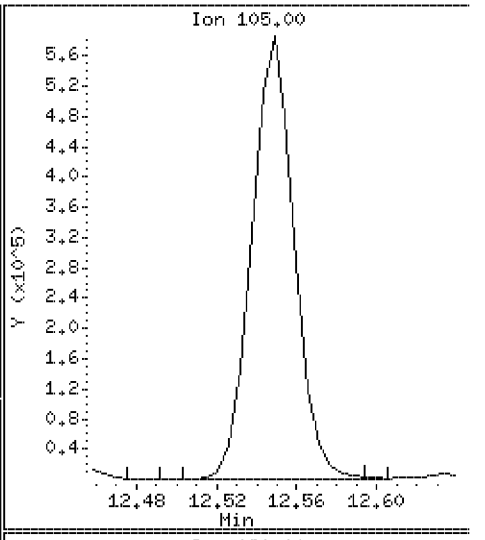
Concentration: 111 ug/l

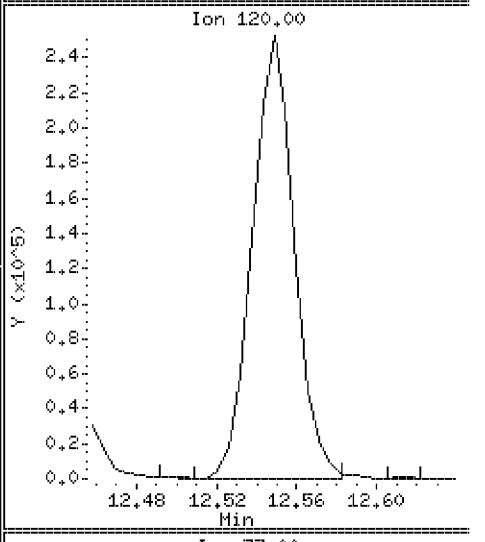


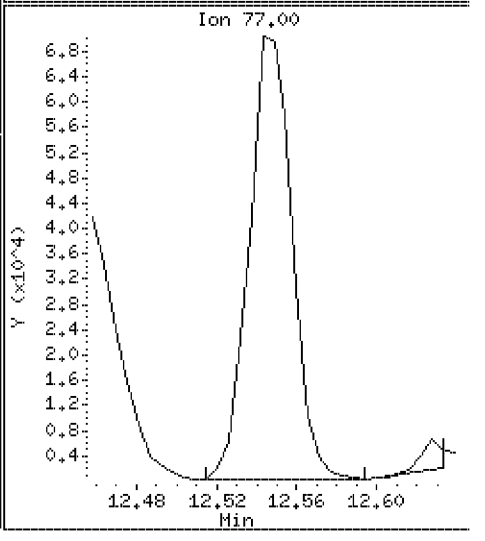












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

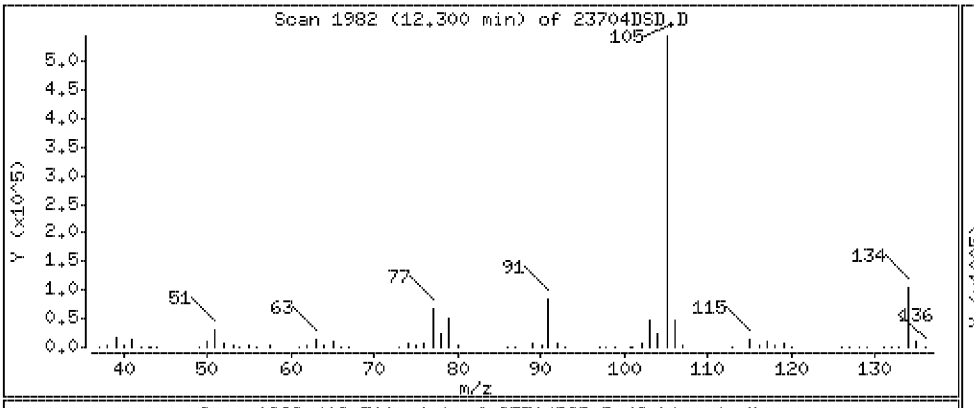
Operator:

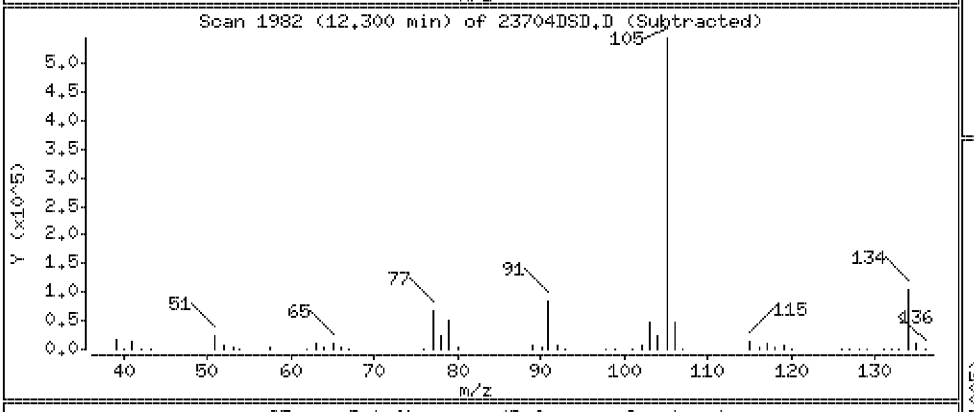
Column phase: RTX-502.2

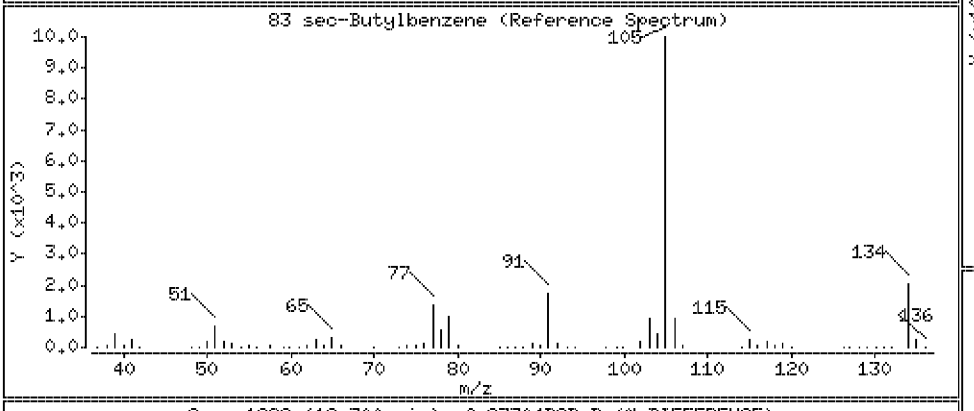
Column diameter: 0.18

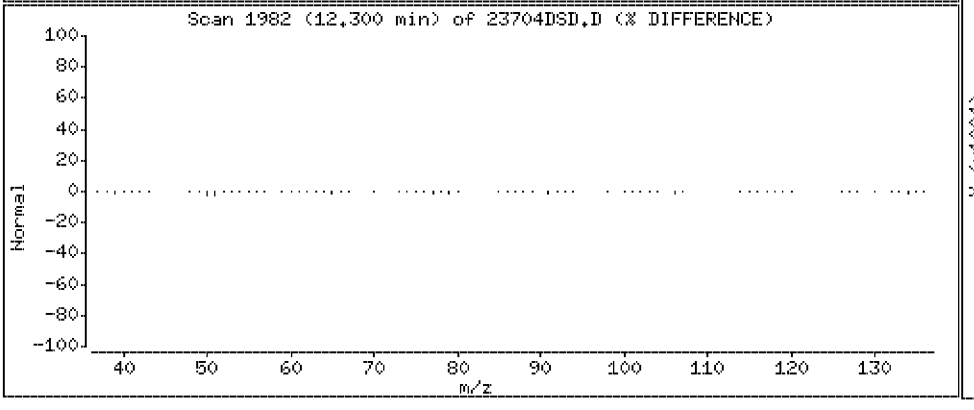
83 sec-Butylbenzene

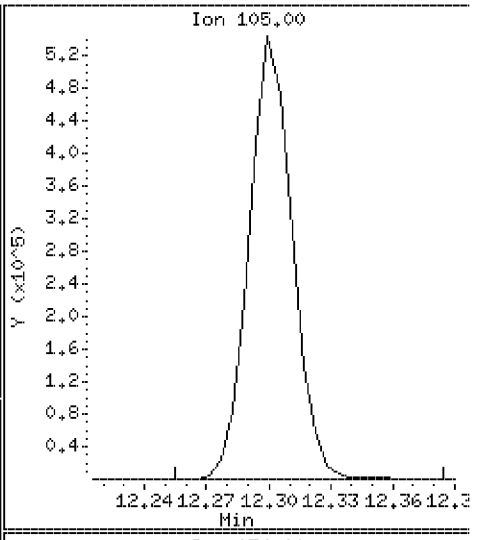
Concentration: 104 ug/l

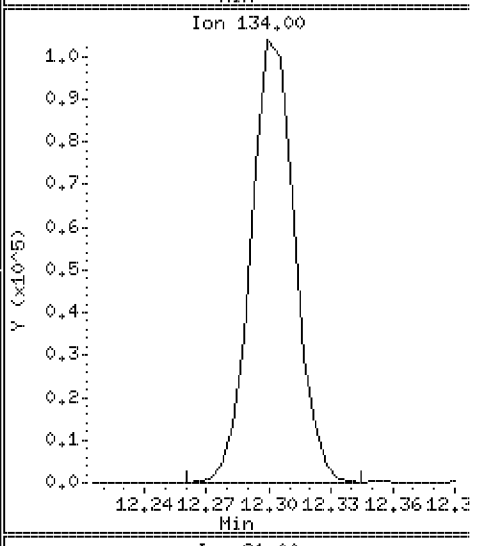


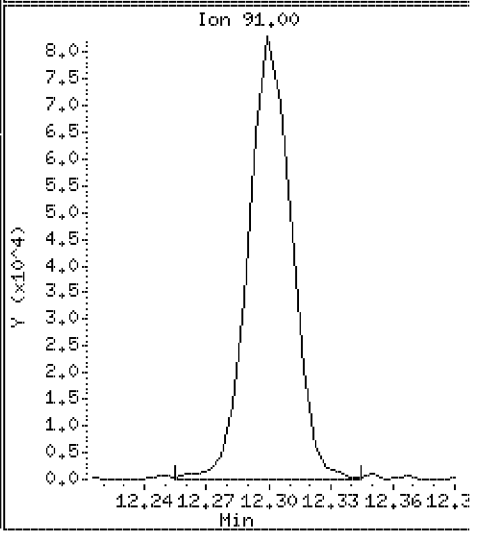












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

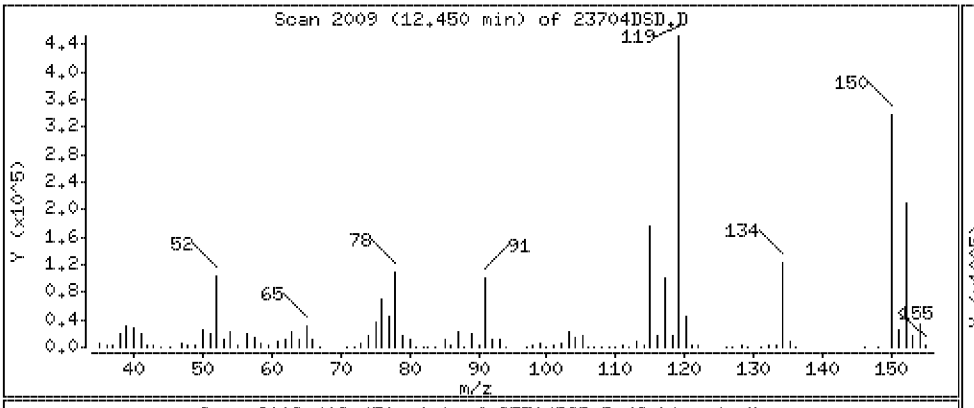
Operator:

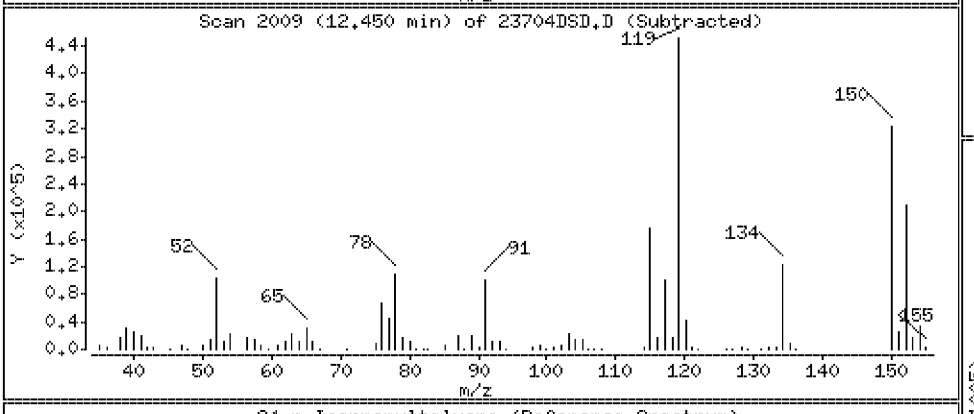
Column phase: RTX-502.2

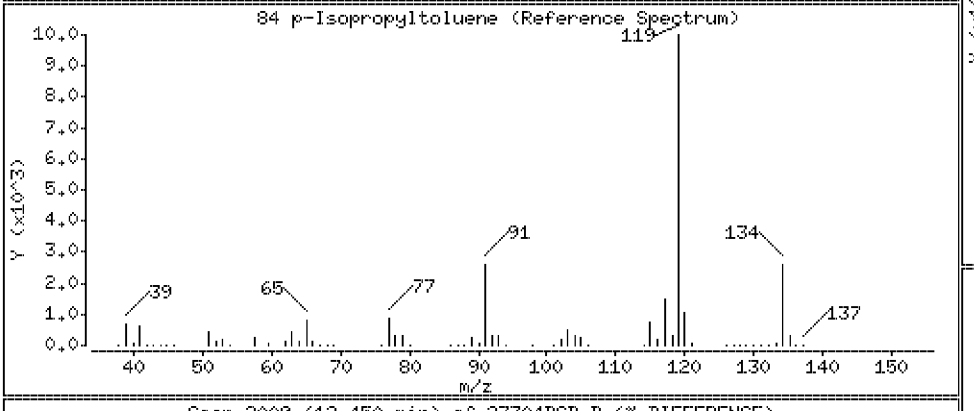
Column diameter: 0.18

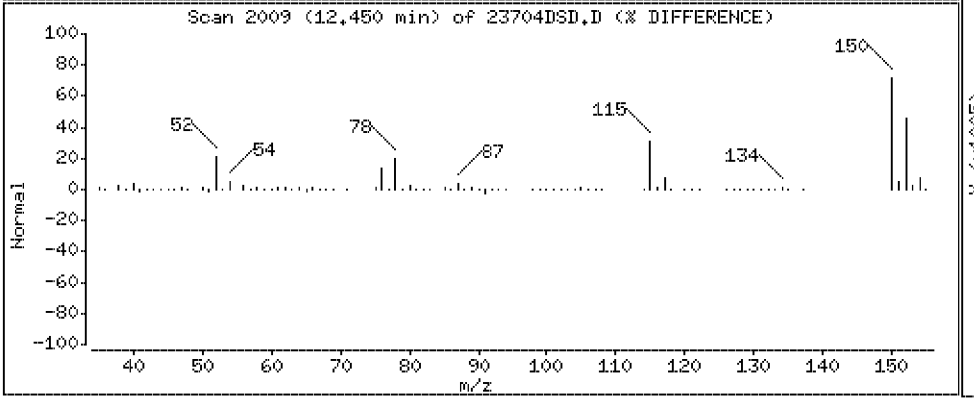
84 p-Isopropyltoluene

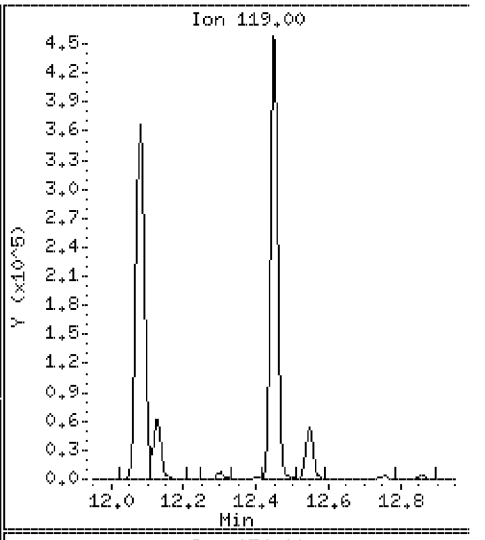
Concentration: 104 ug/l

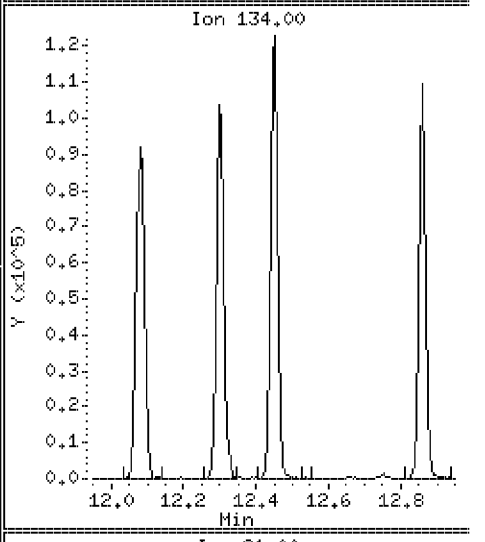


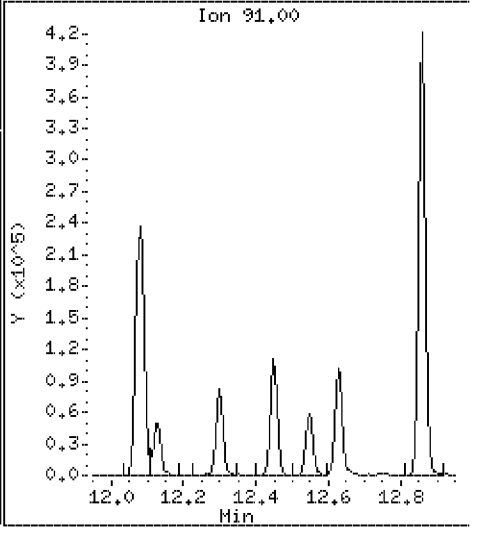












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

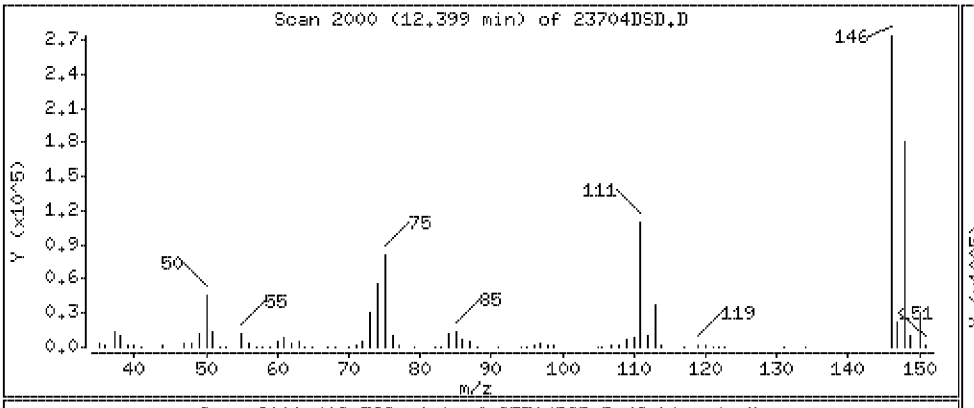
Operator:

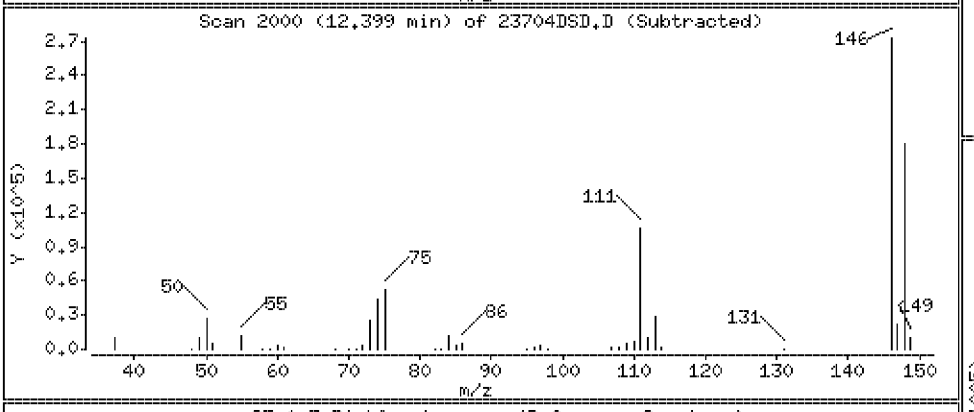
Column phase: RTX-502.2

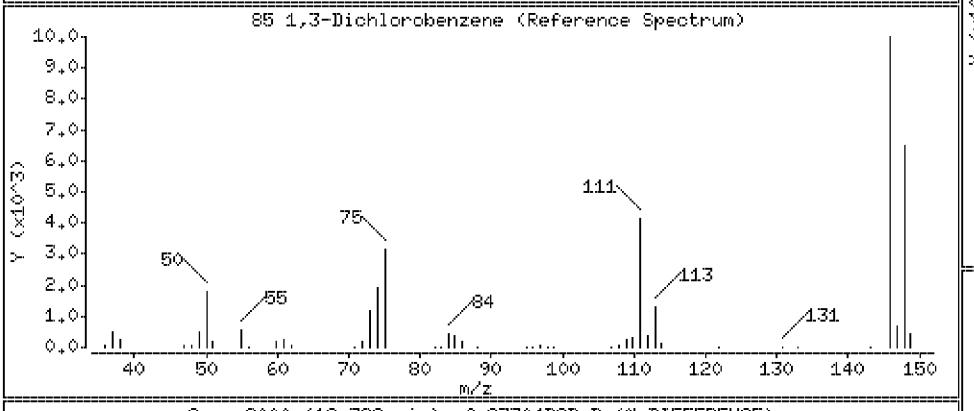
Column diameter: 0.18

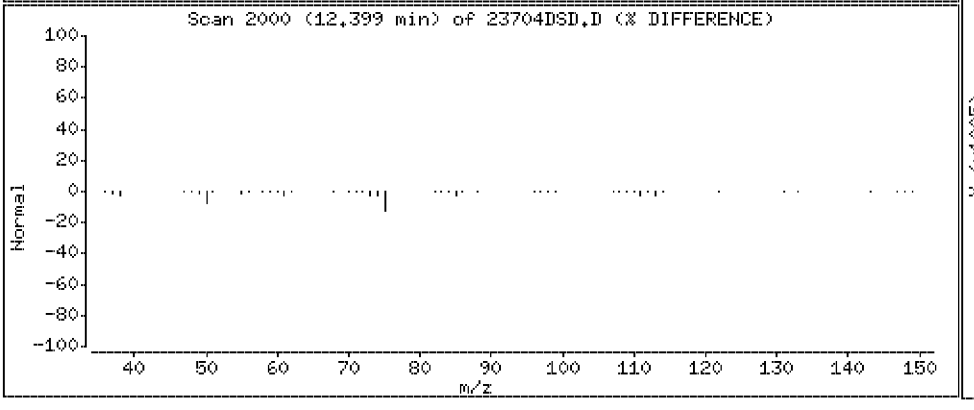
85 1,3-Dichlorobenzene

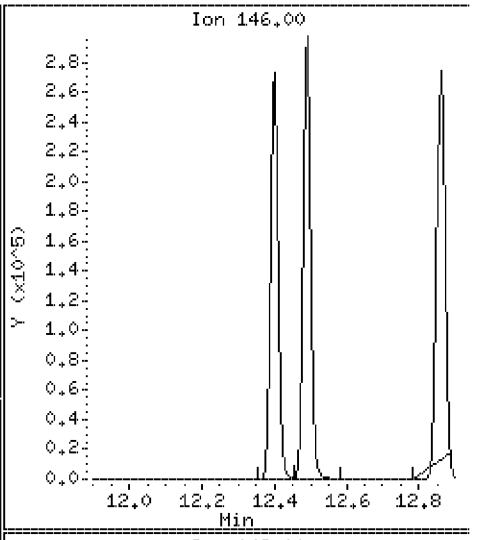
Concentration: 102 ug/l

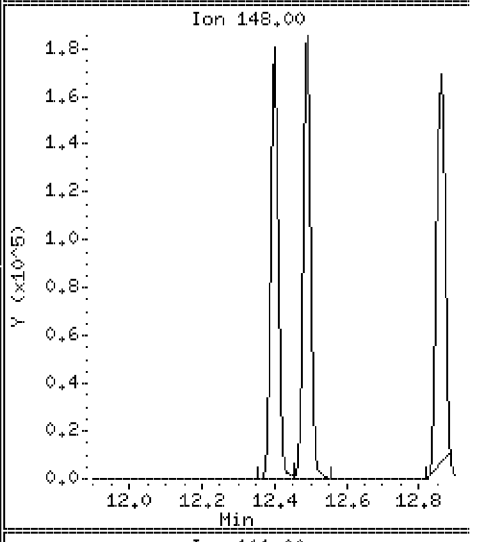


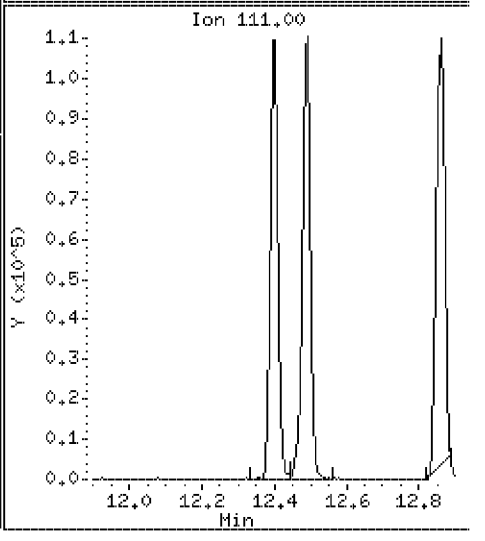












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

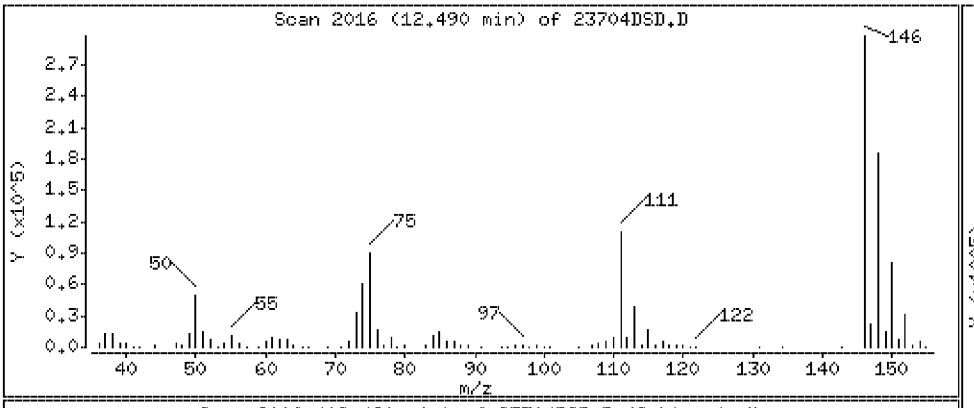
Operator:

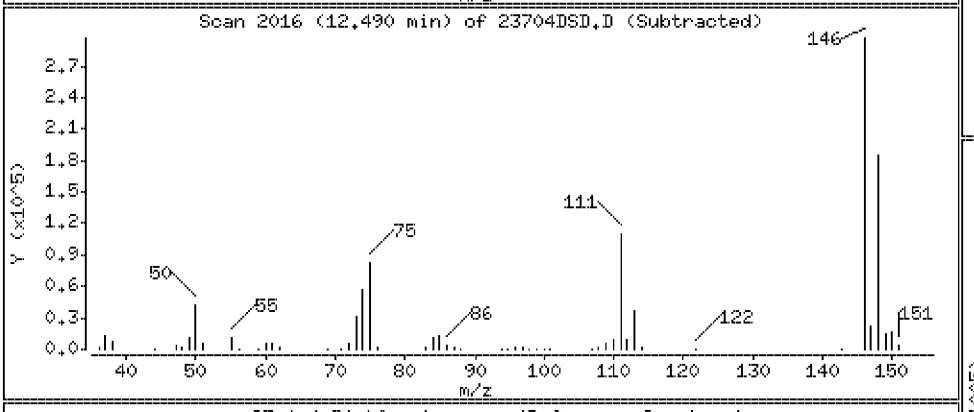
Column phase: RTX-502.2

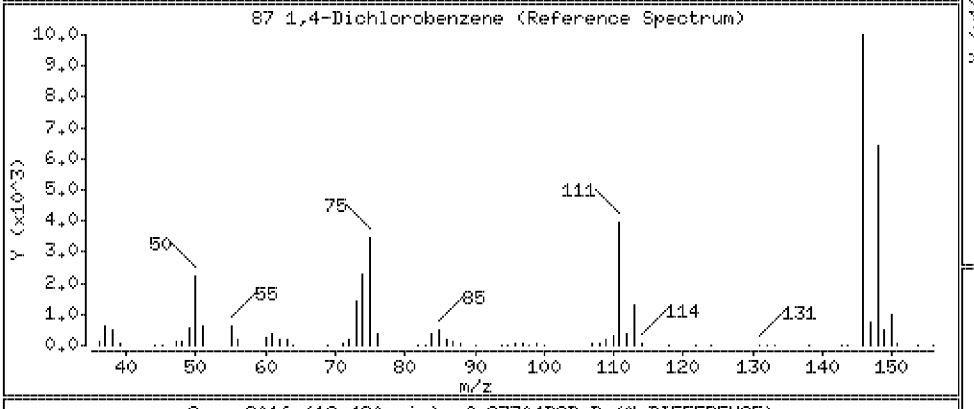
Column diameter: 0.18

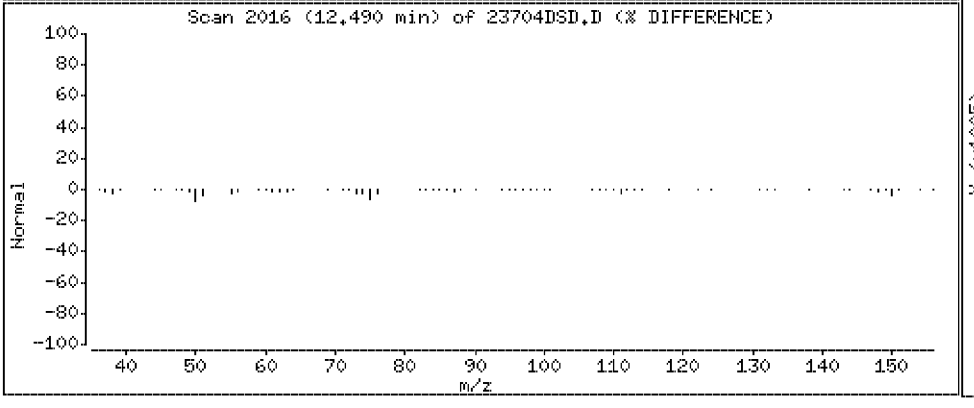
87 1,4-Dichlorobenzene

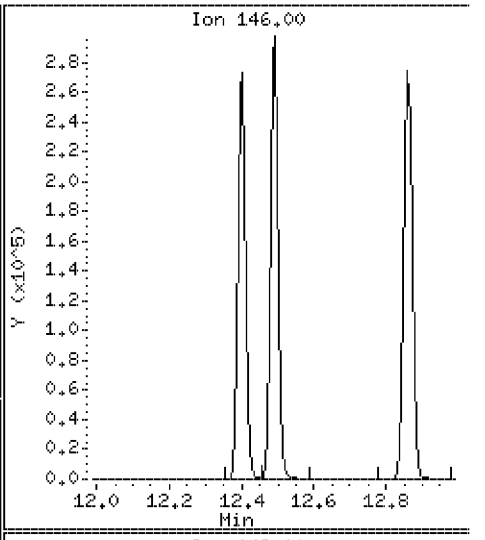
Concentration: 102 ug/l

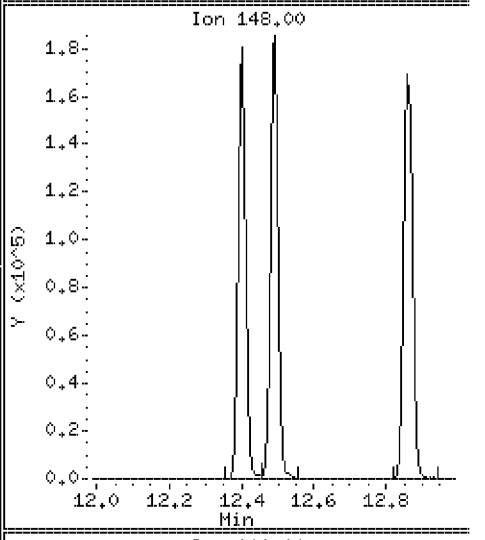


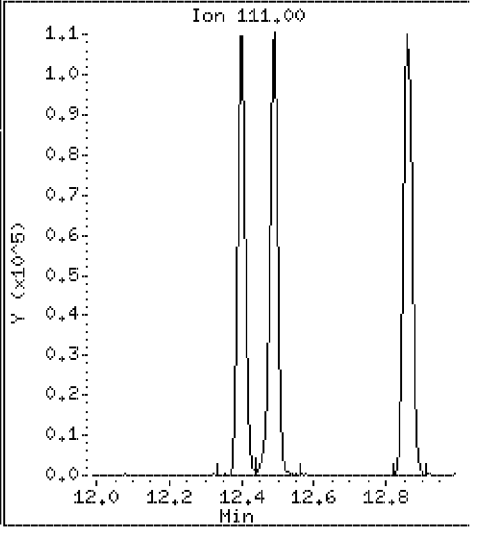












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

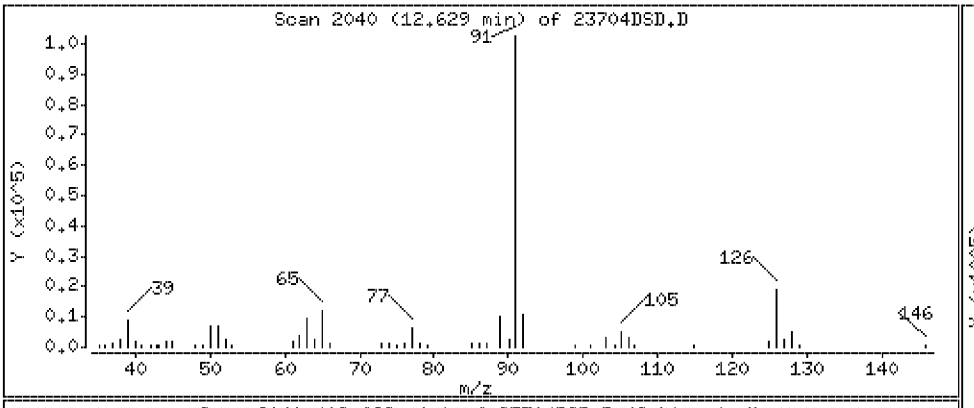
Operator:

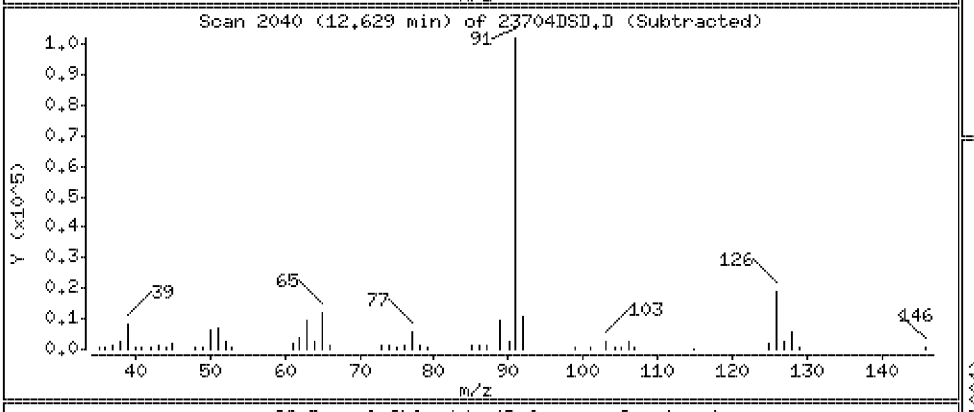
Column phase: RTX-502.2

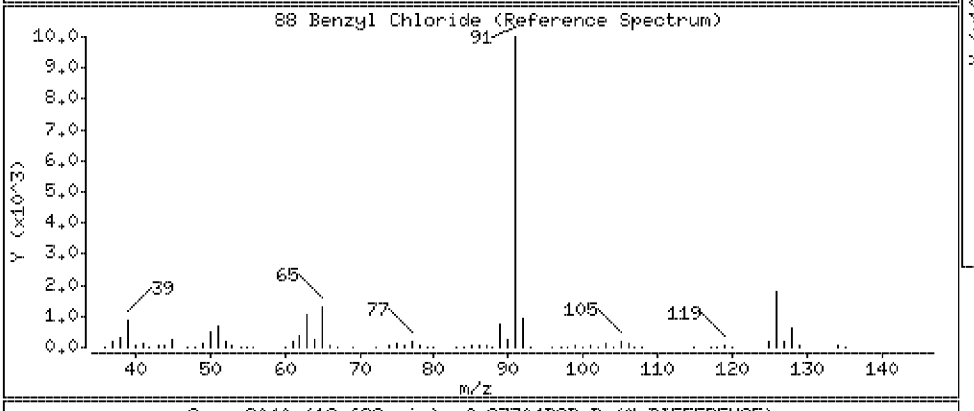
Column diameter: 0.18

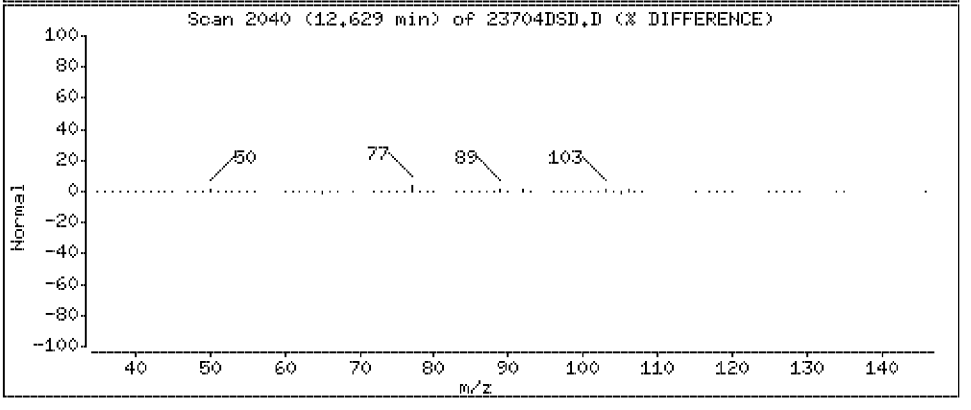
88 Benzyl Chloride

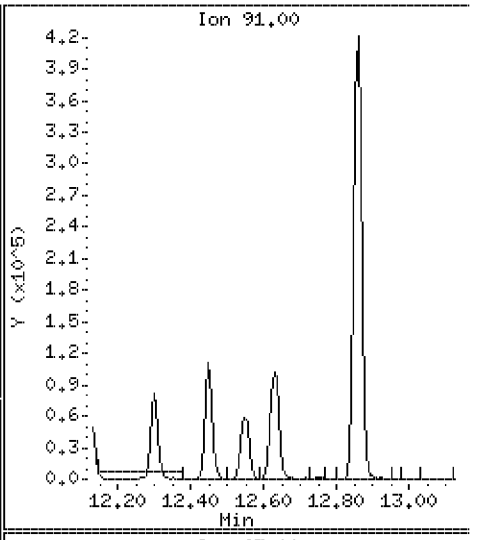
Concentration: 76.1 ug/l

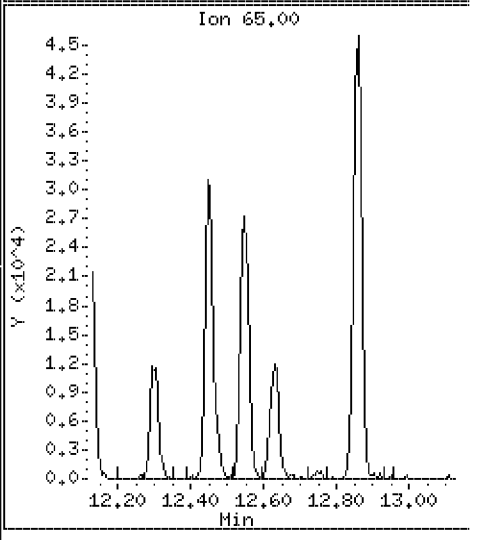












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

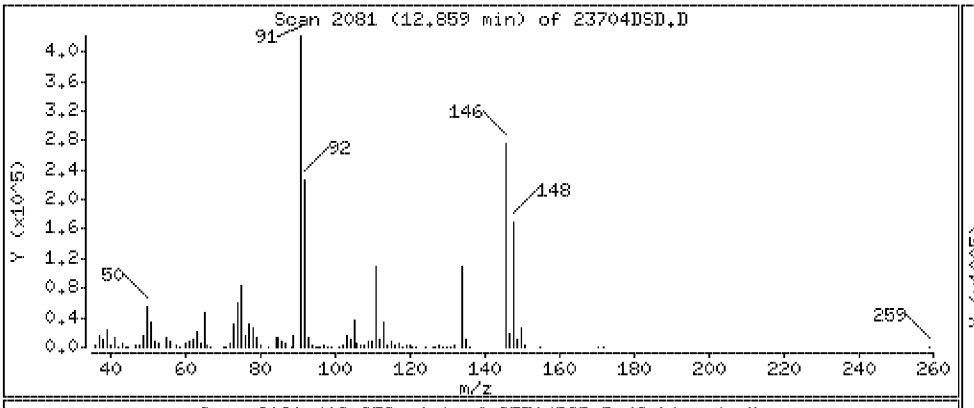
Operator:

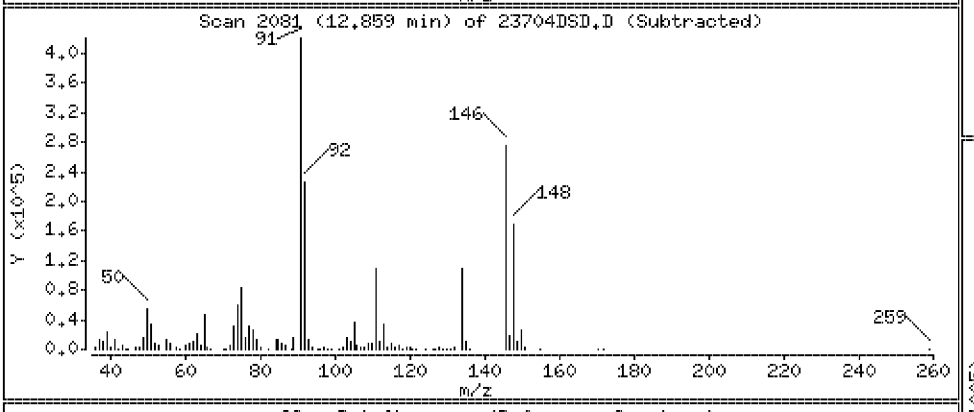
Column phase: RTX-502.2

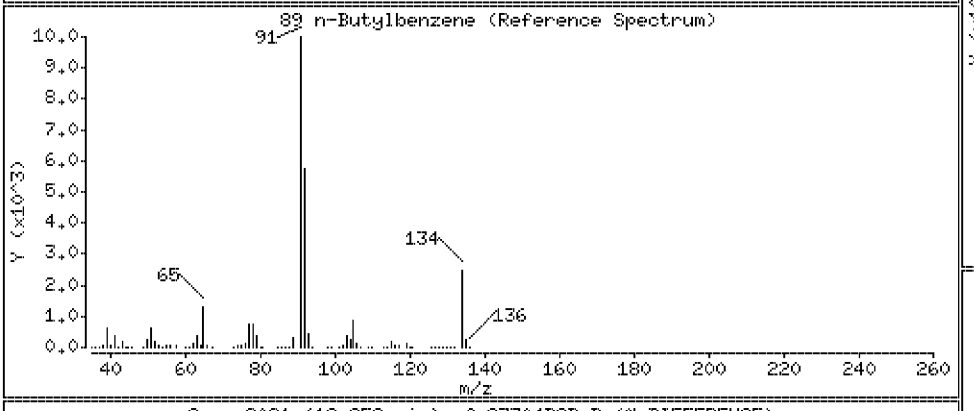
Column diameter: 0.18

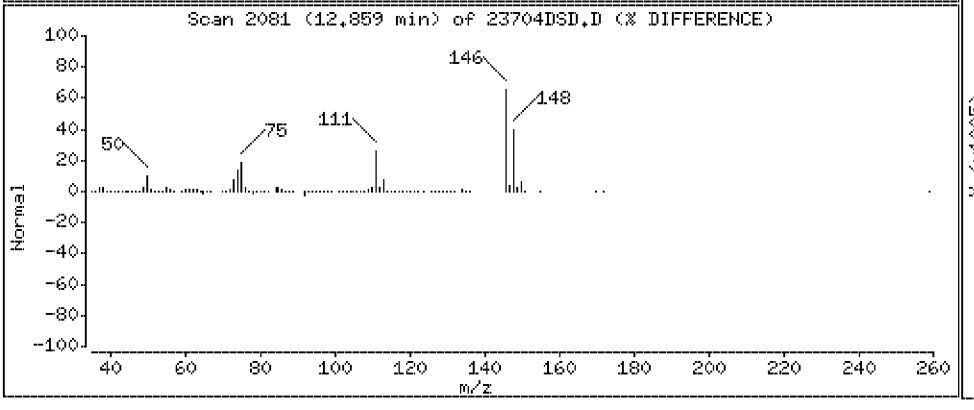
89 n-Butylbenzene

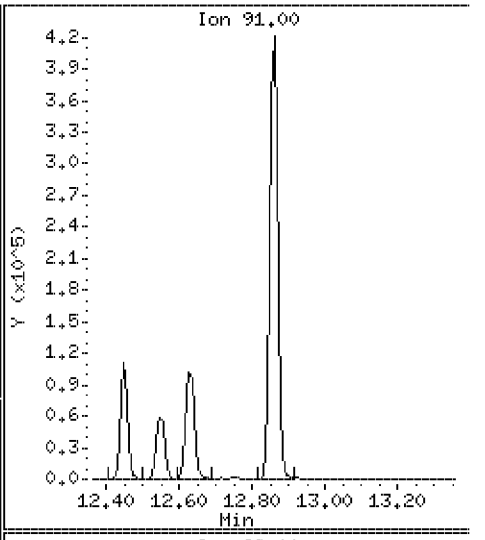
Concentration: 104 ug/l

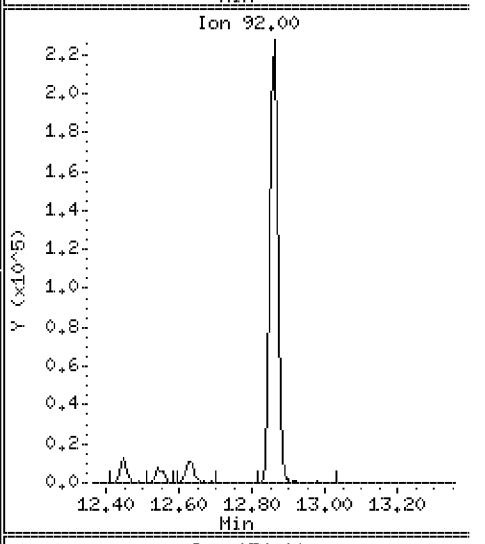


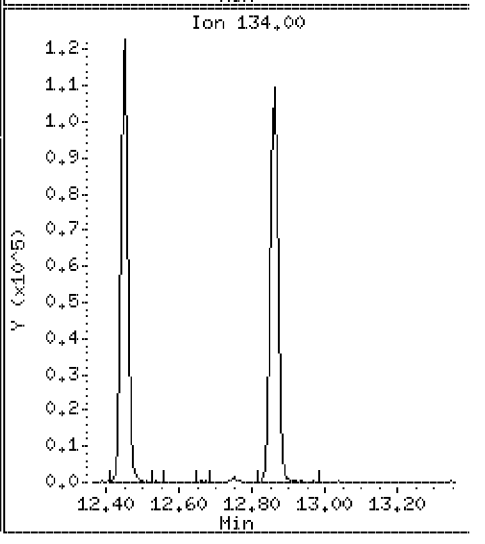












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

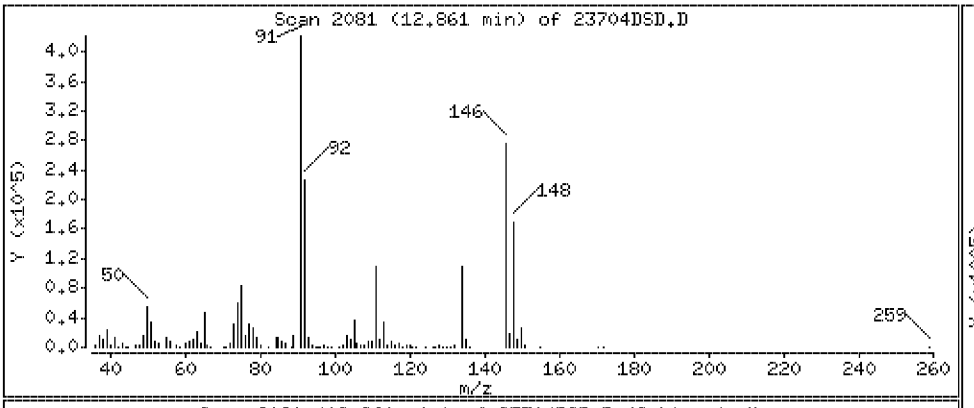
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

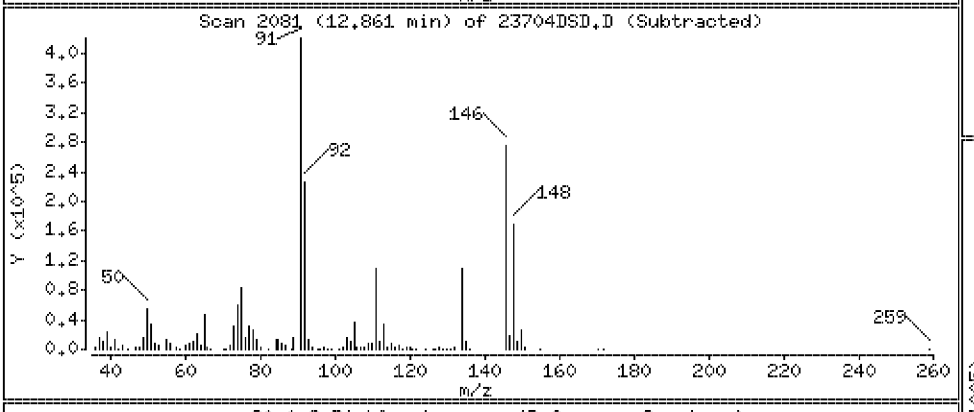
Sample Info: 350023704;3500237;5;

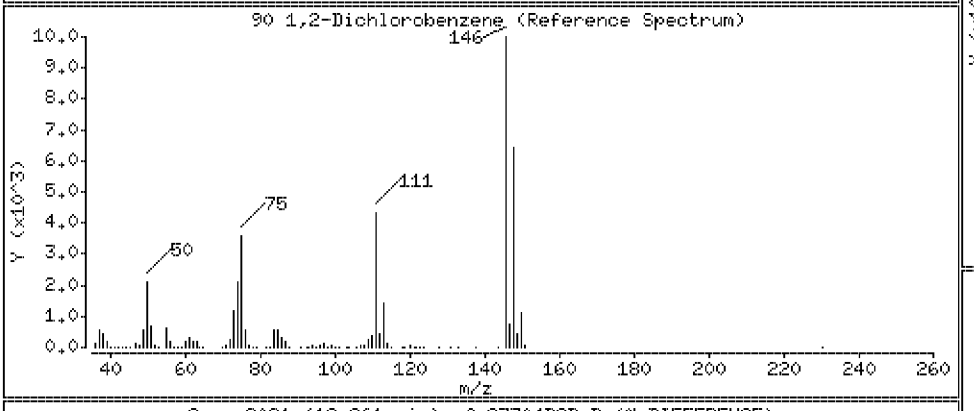
Purge Volume: 5.0 Operator:

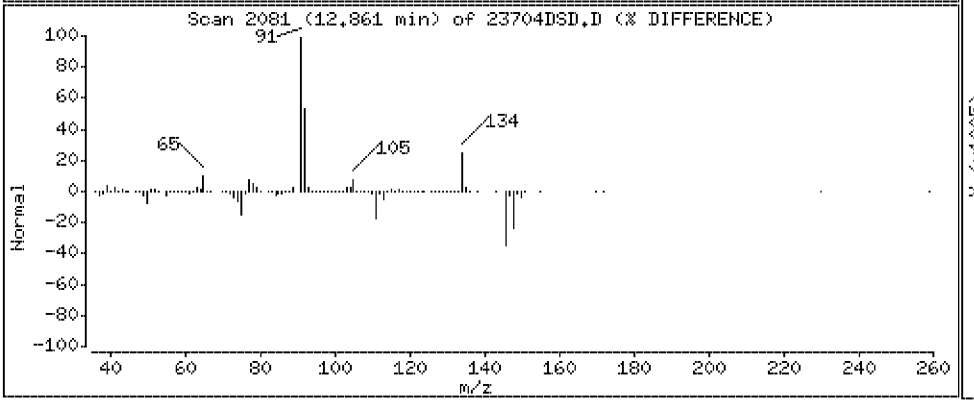
Column phase: RTX-502.2 Column diameter: 0.18

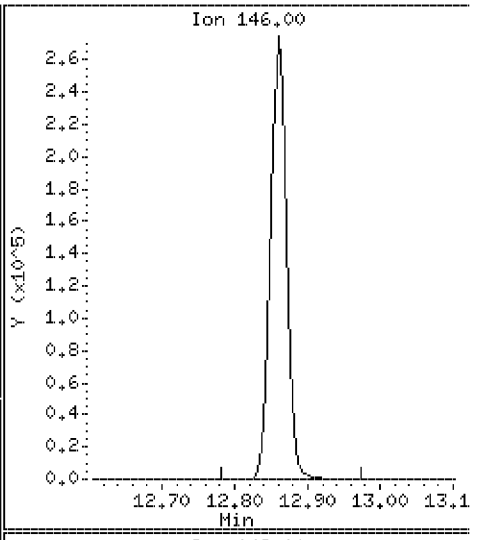
90 1,2-Dichlorobenzene Concentration: 102 ug/l

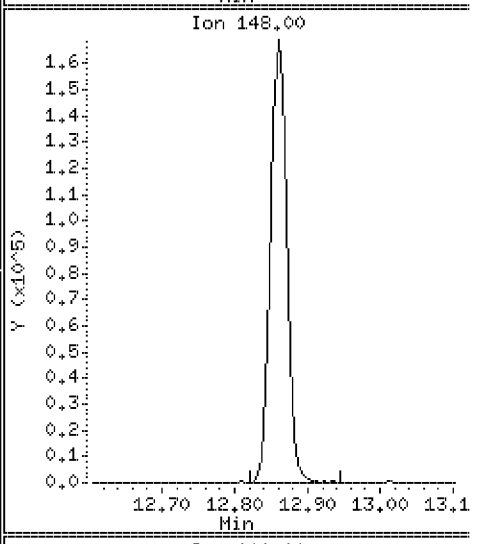


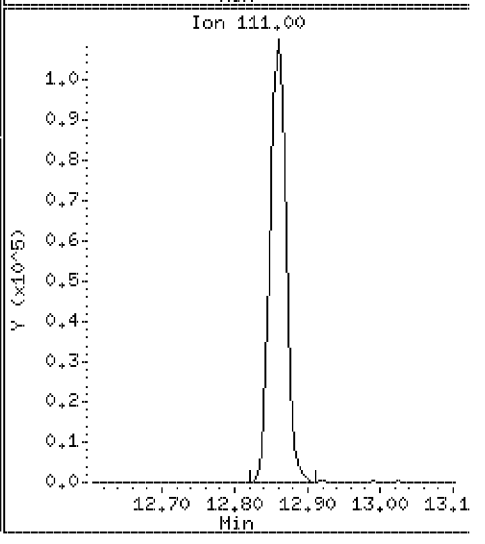












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

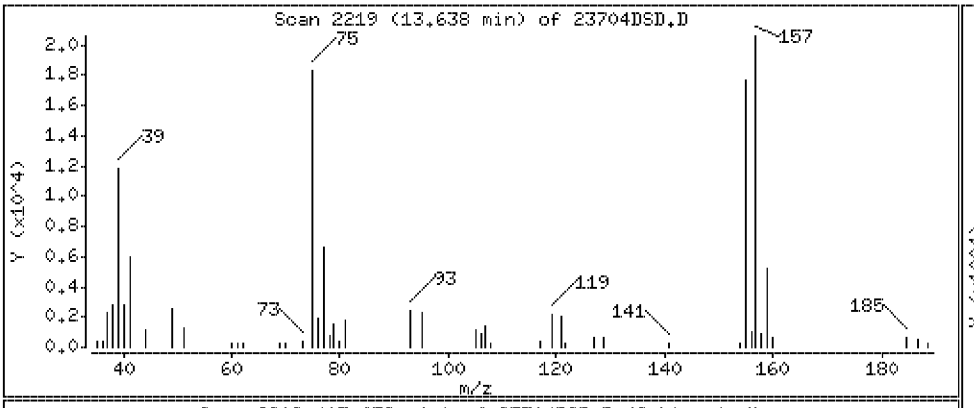
Operator:

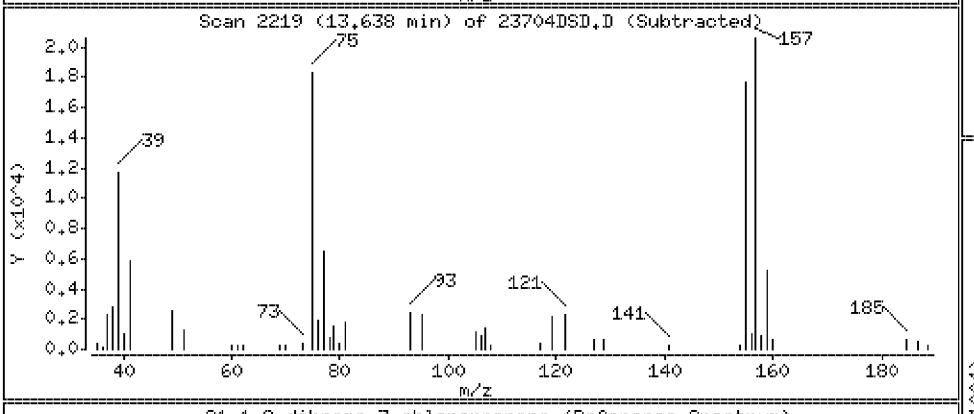
Column phase: RTX-502.2

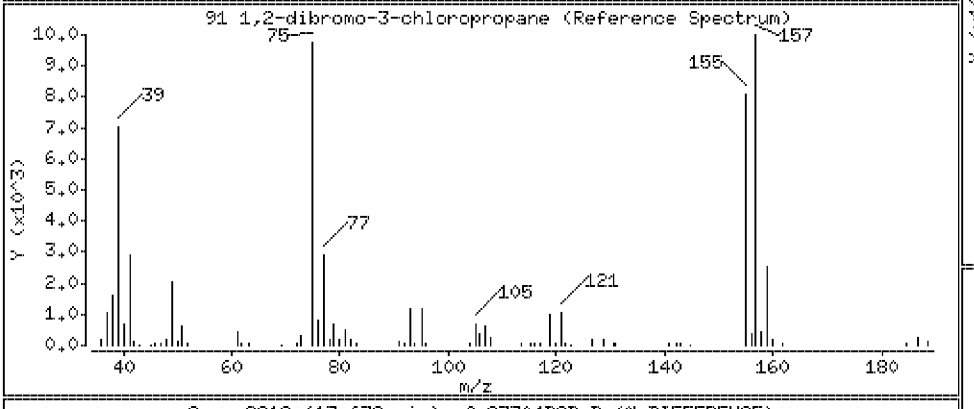
Column diameter: 0.18

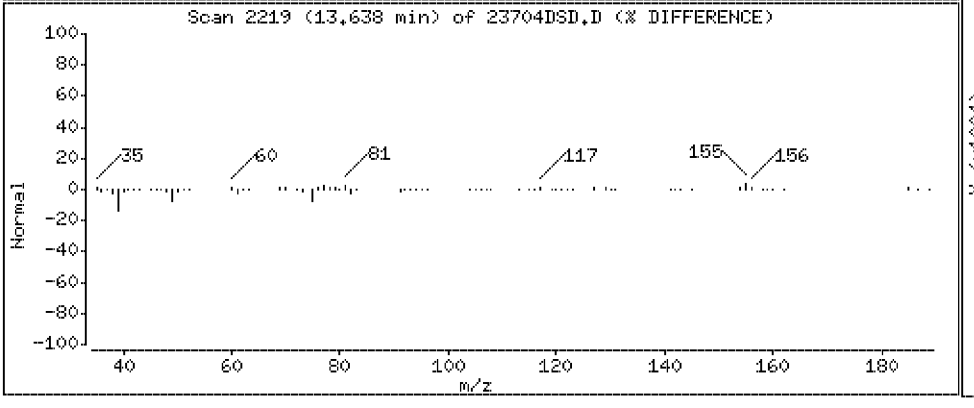
91 1,2-dibromo-3-chloropropane

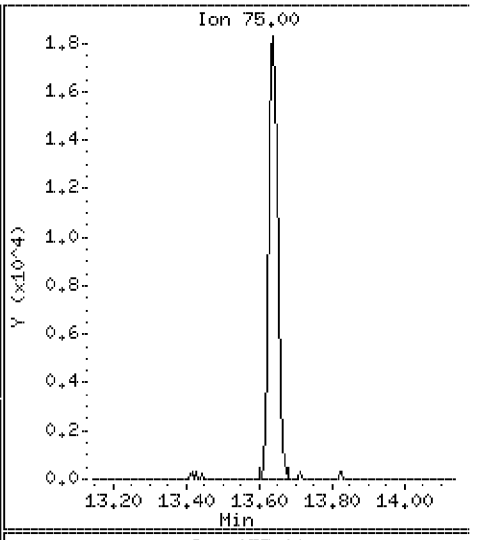
Concentration: 83.0 ug/l

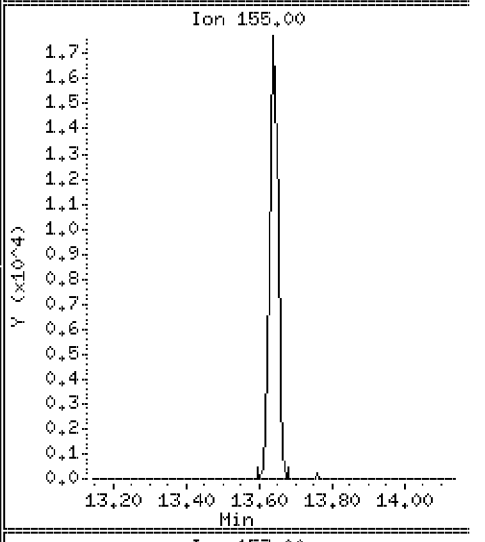


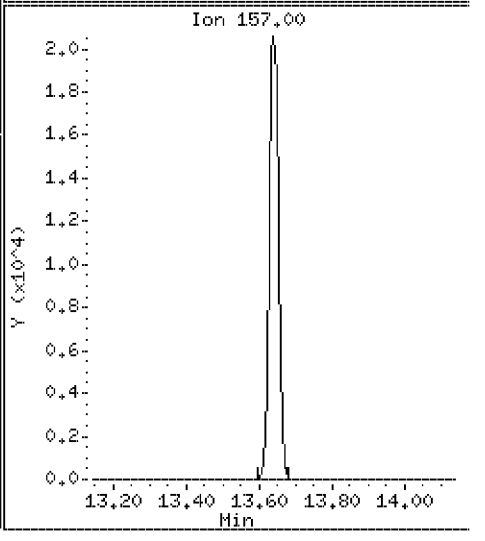












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

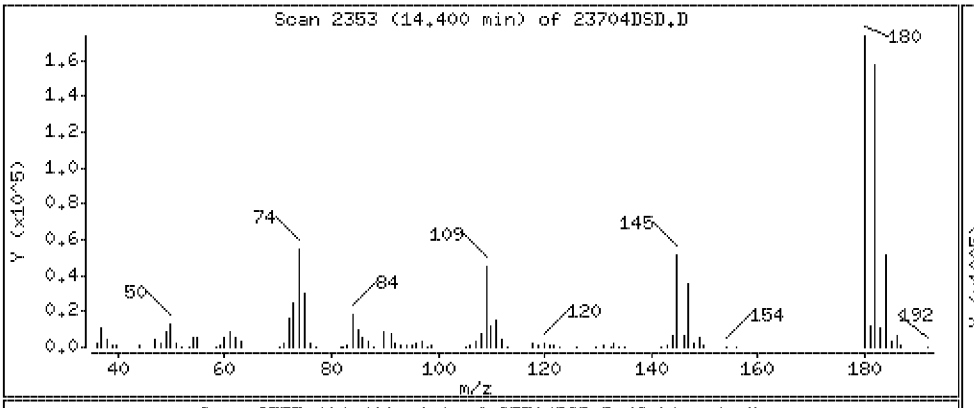
Operator:

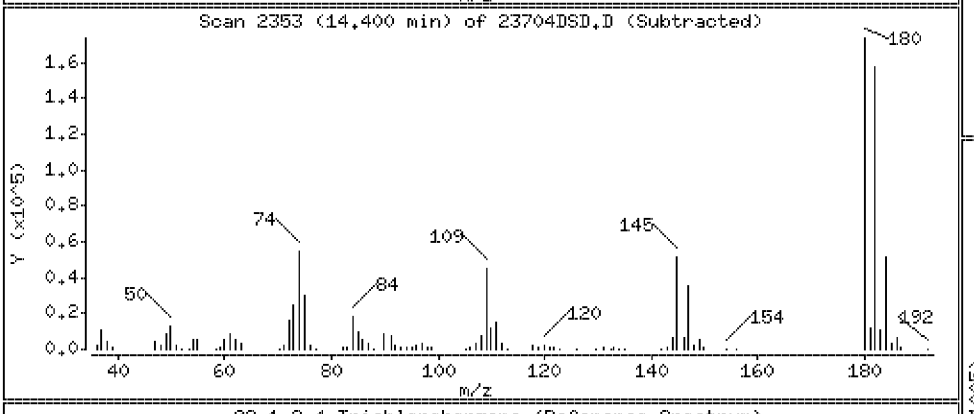
Column phase: RTX-502.2

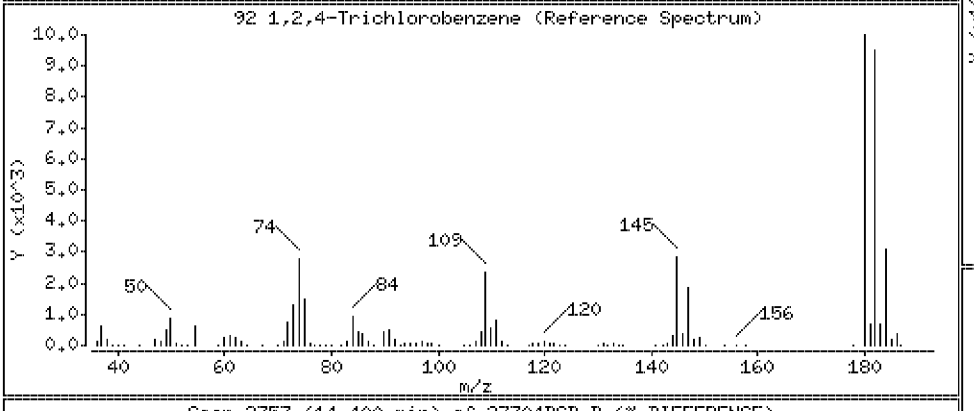
Column diameter: 0.18

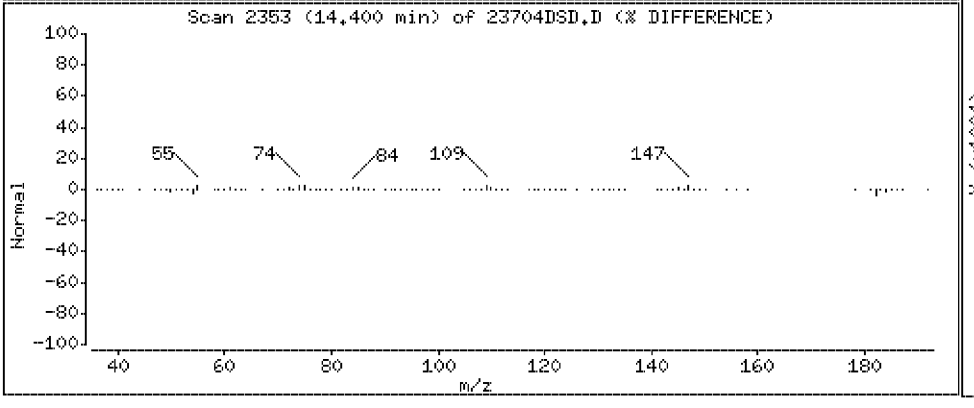
92 1,2,4-Trichlorobenzene

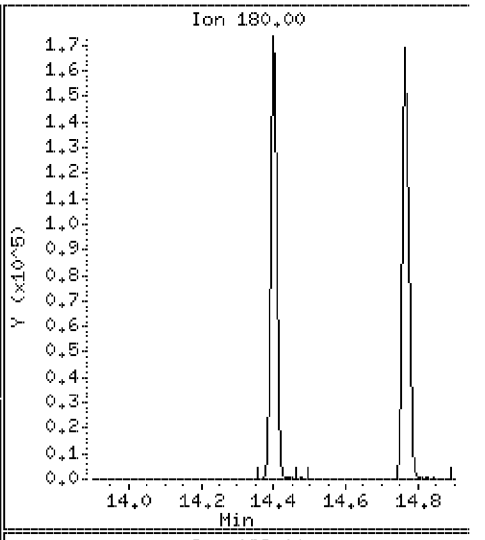
Concentration: 101 ug/l

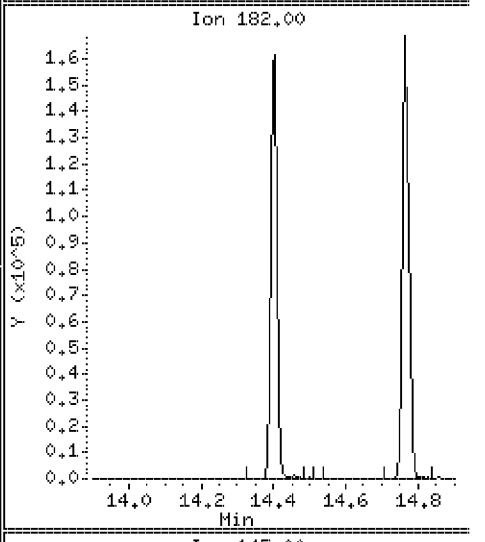


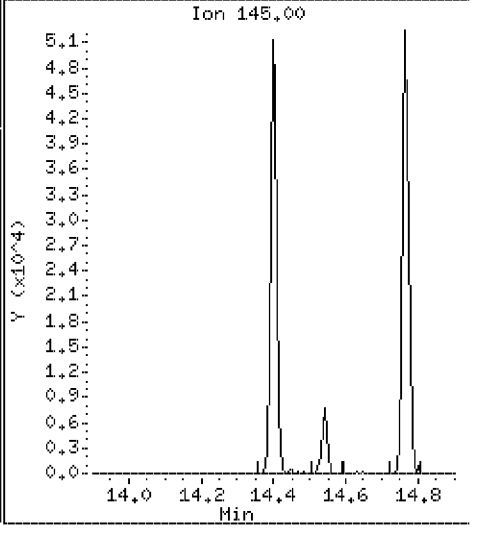












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

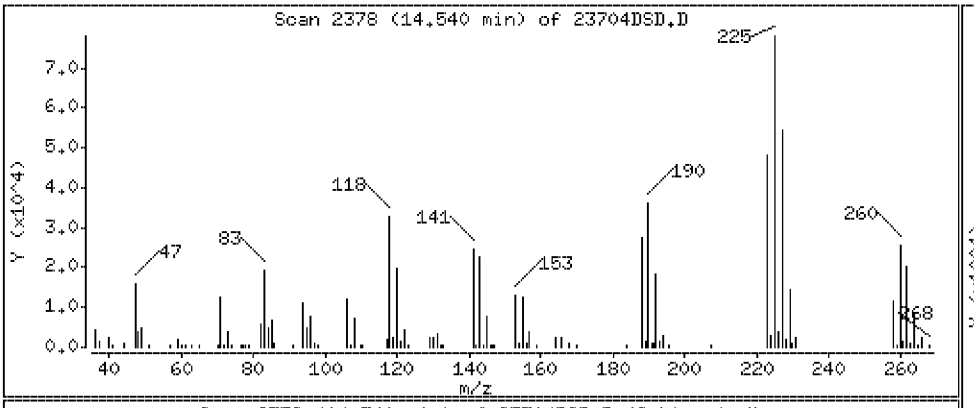
Operator:

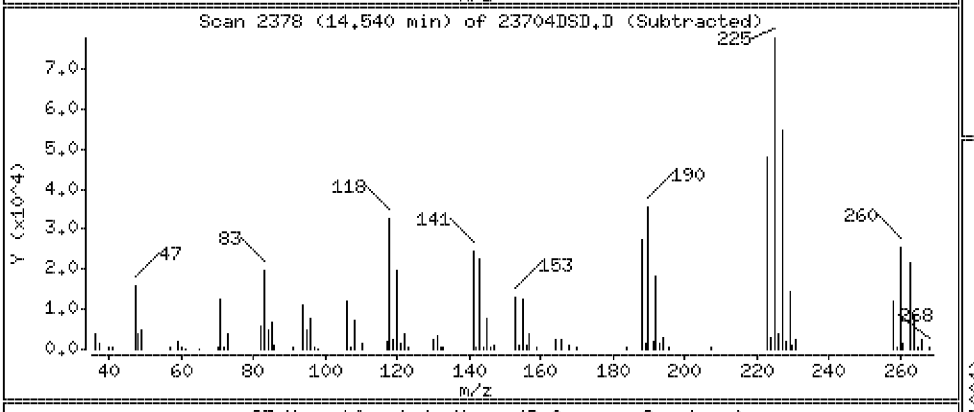
Column phase: RTX-502.2

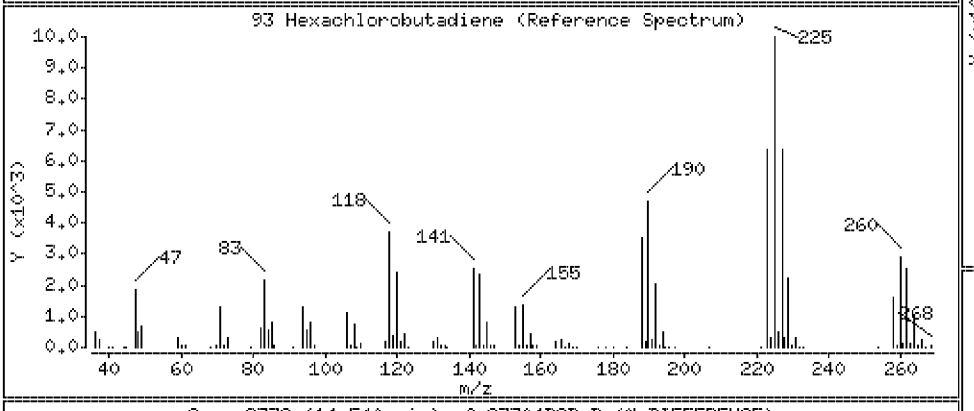
Column diameter: 0.18

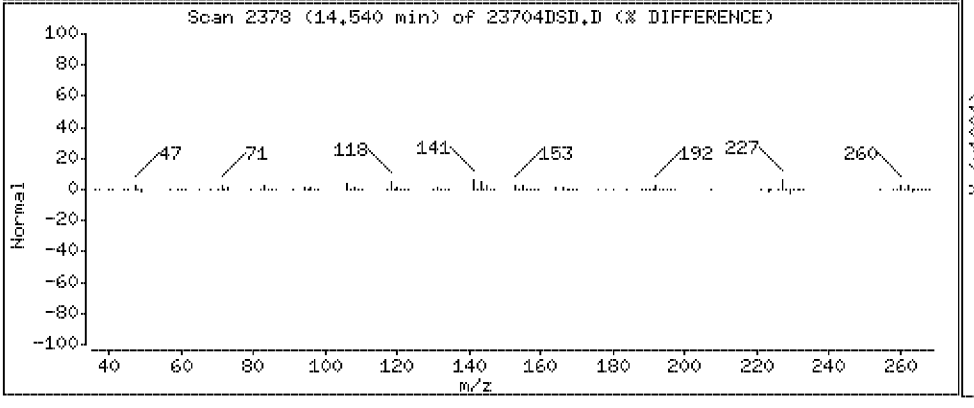
93 Hexachlorobutadiene

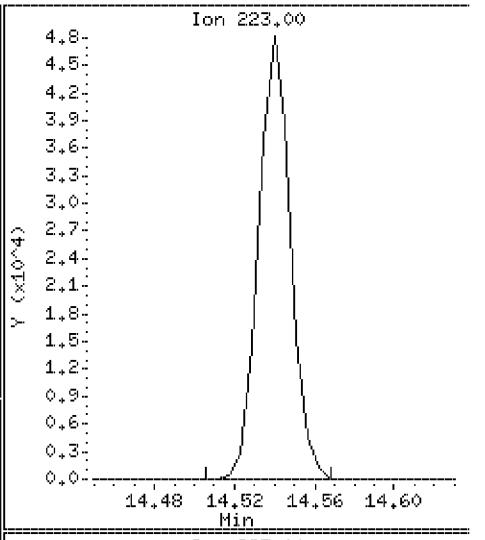
Concentration: 105 ug/l

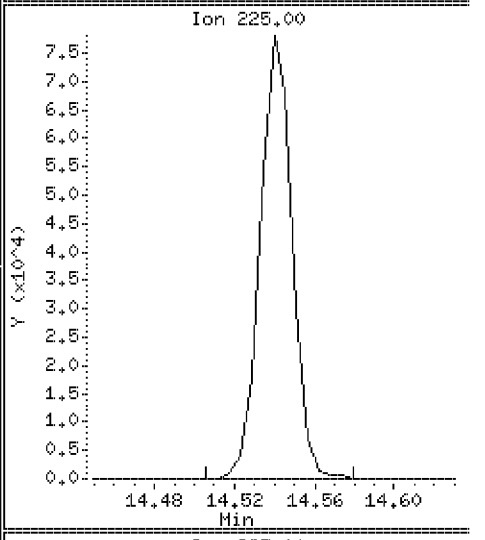


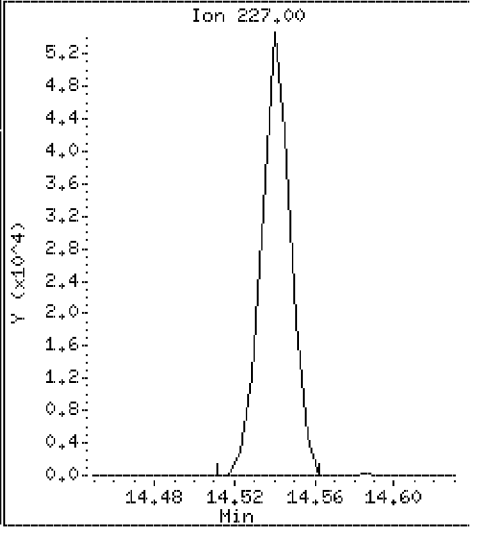












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

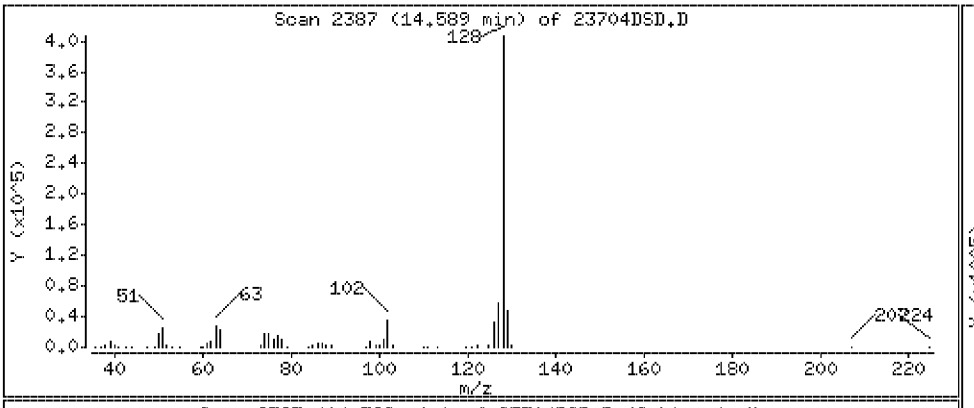
Operator:

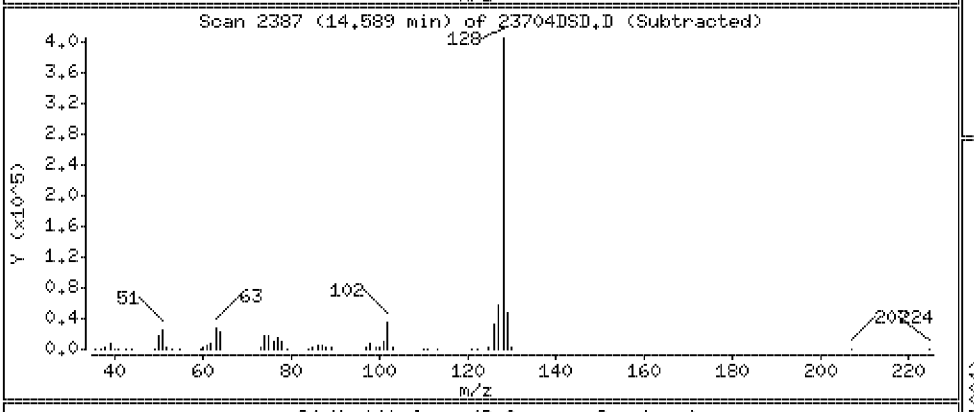
Column phase: RTX-502.2

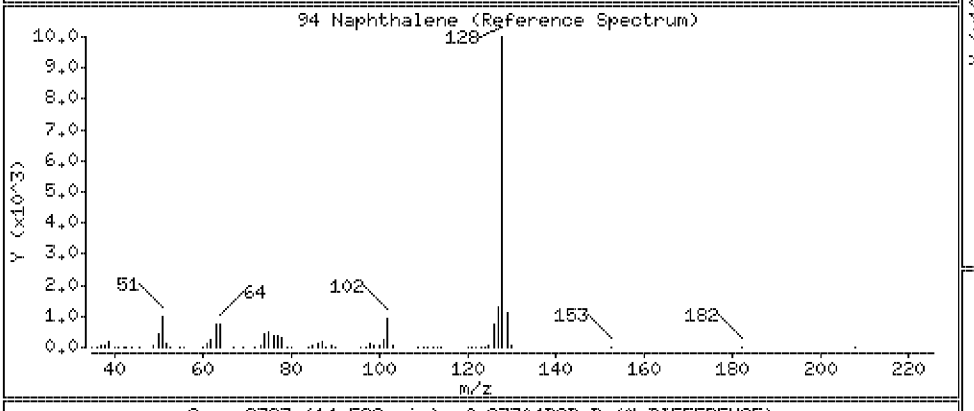
Column diameter: 0.18

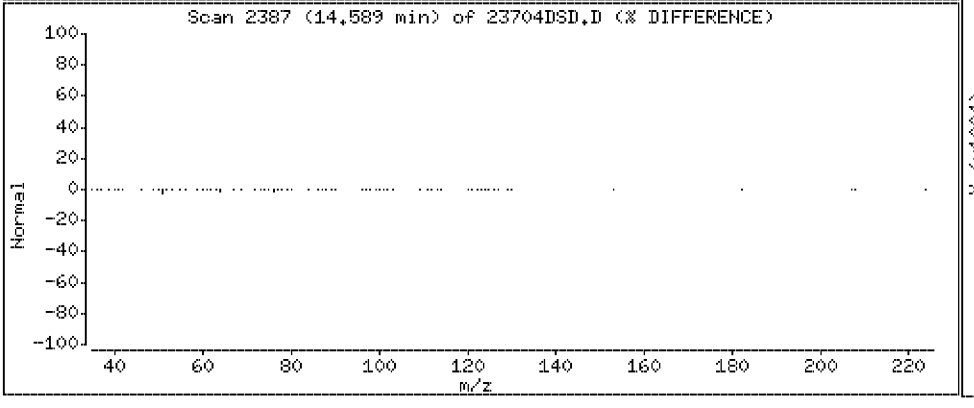
94 Naphthalene

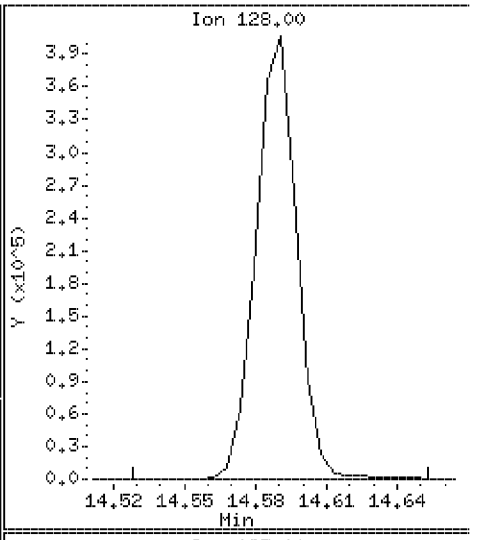
Concentration: 86.8 ug/l

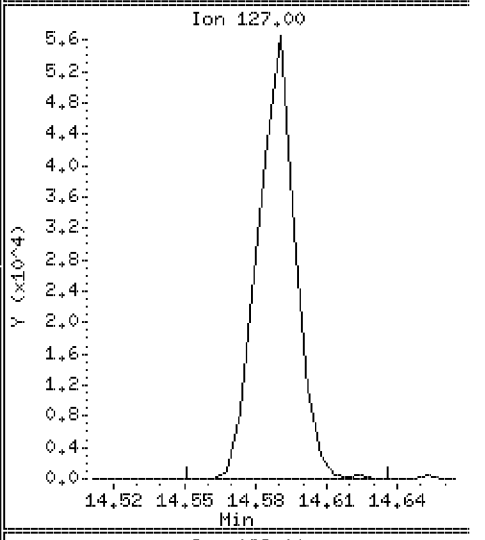


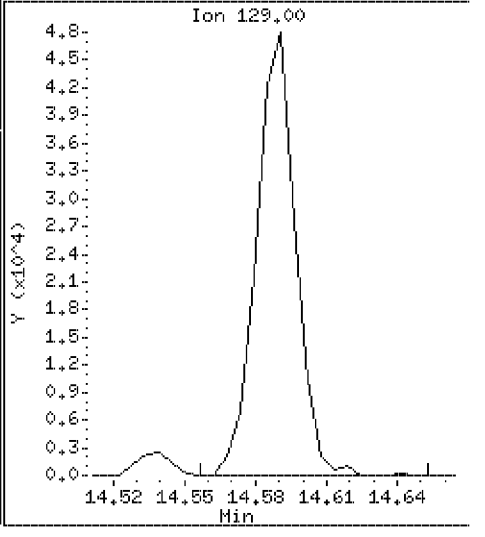












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

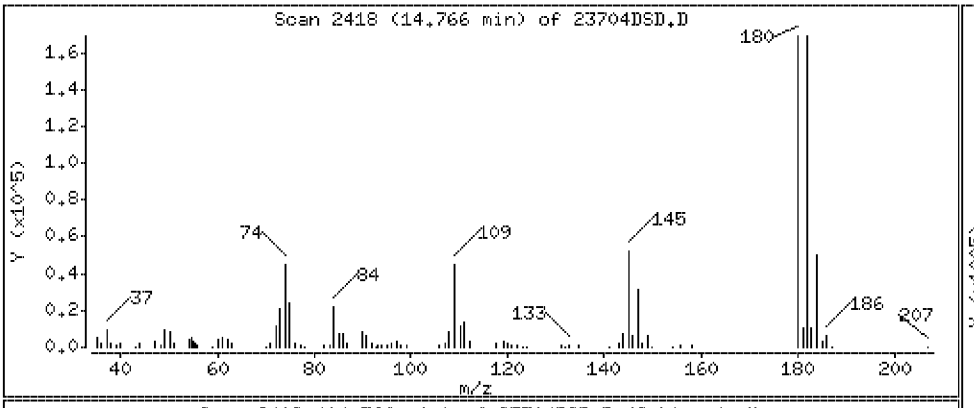
Operator:

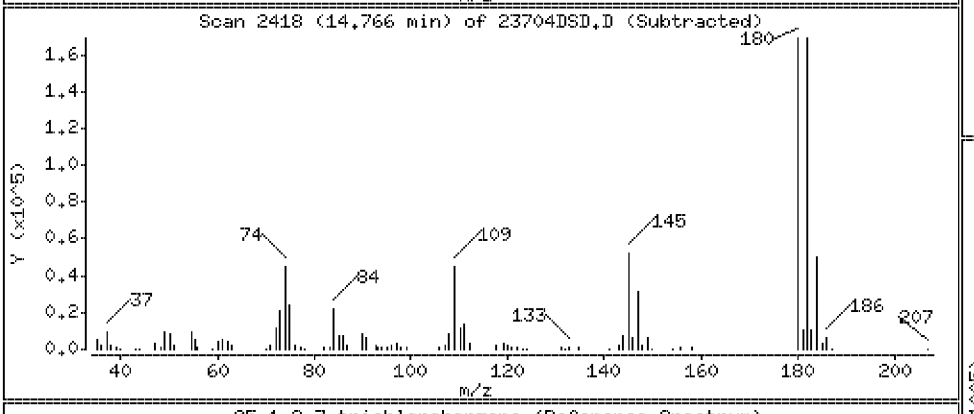
Column phase: RTX-502.2

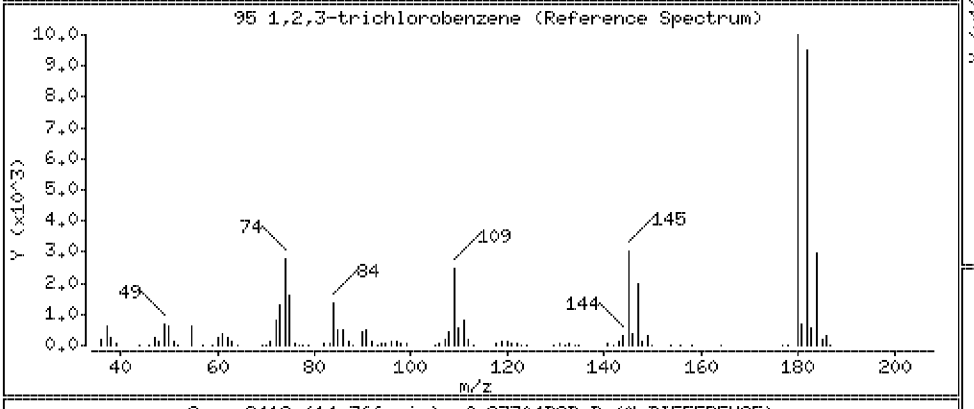
Column diameter: 0.18

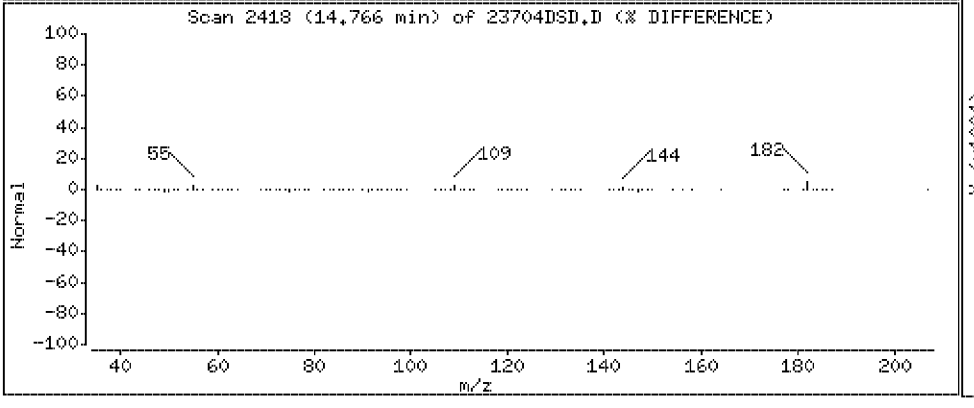
95 1,2,3-trichlorobenzene

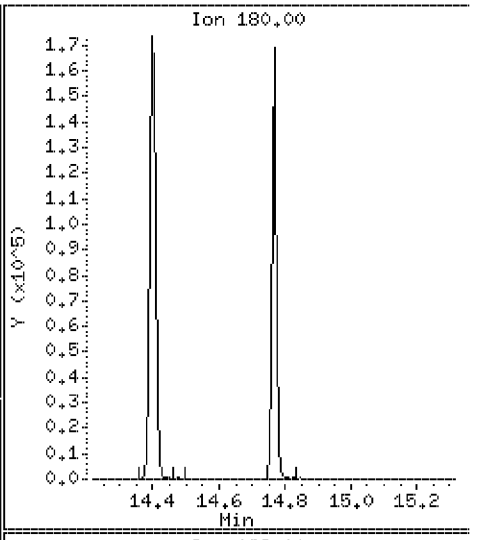
Concentration: 94.9 ug/l

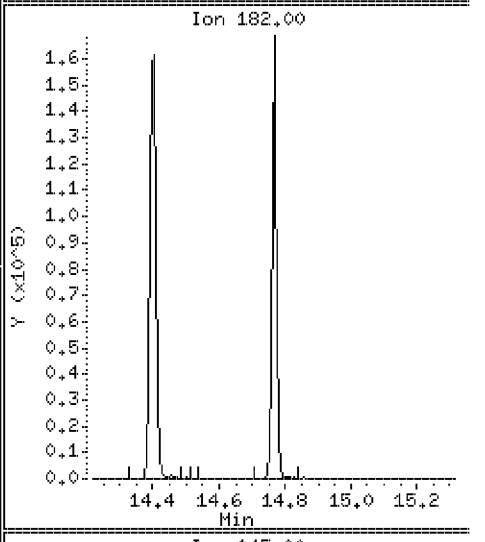


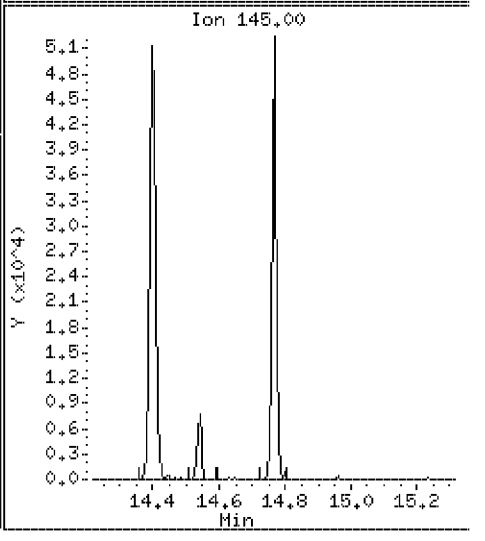












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

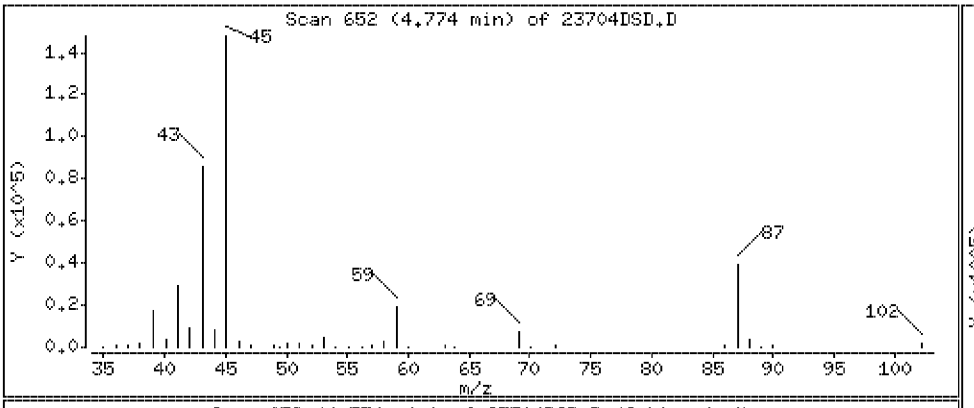
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

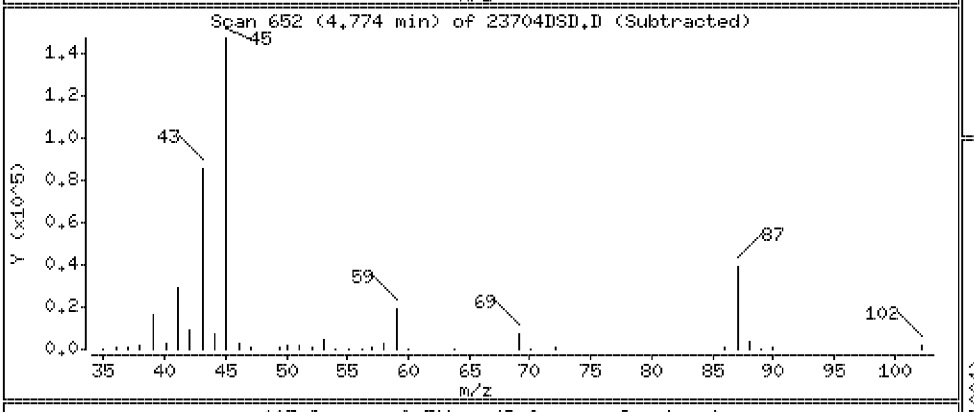
Sample Info: 350023704;3500237;5;

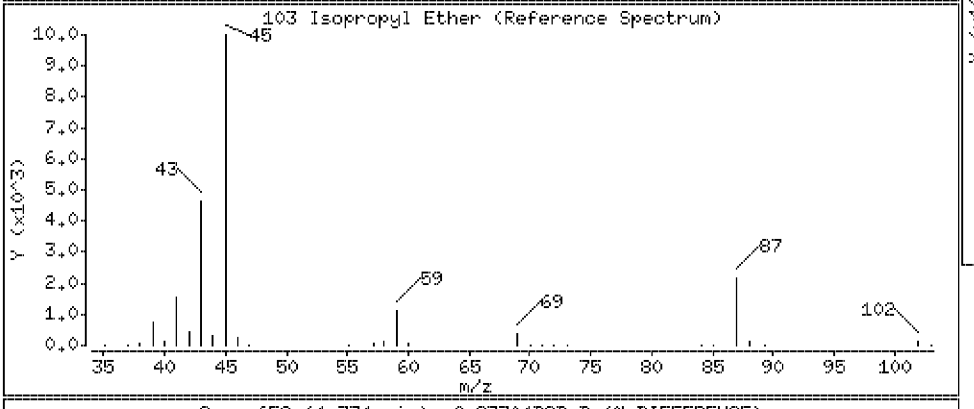
Purge Volume: 5.0 Operator:

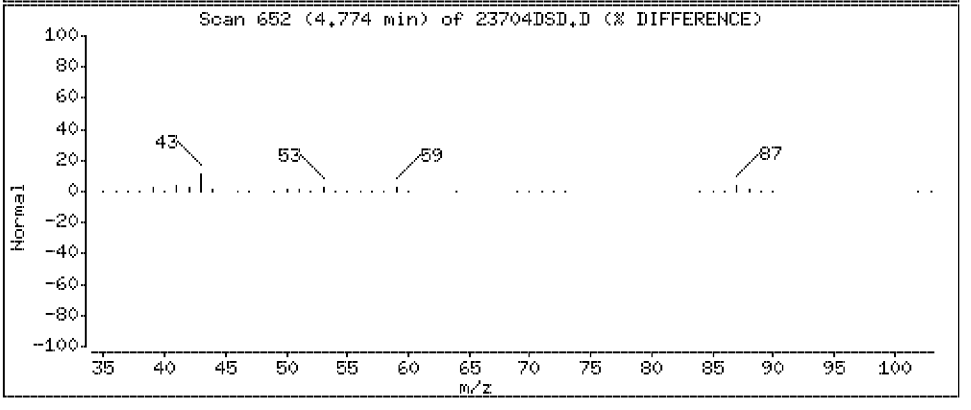
Column phase: RTX-502.2 Column diameter: 0.18

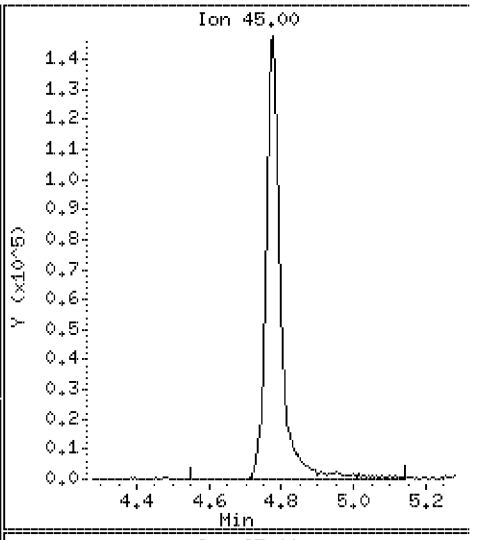
103 Isopropyl Ether Concentration: 77.3 ug/l

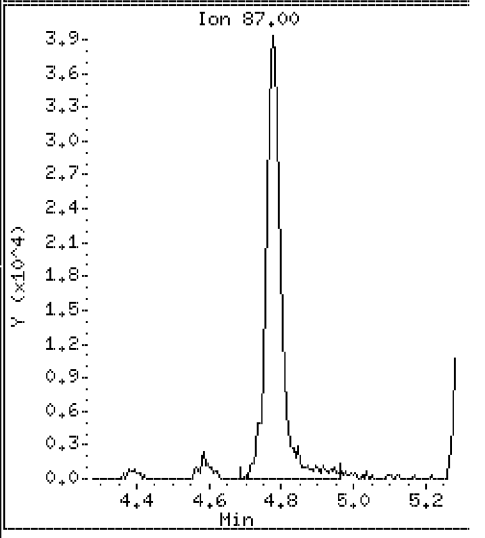












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

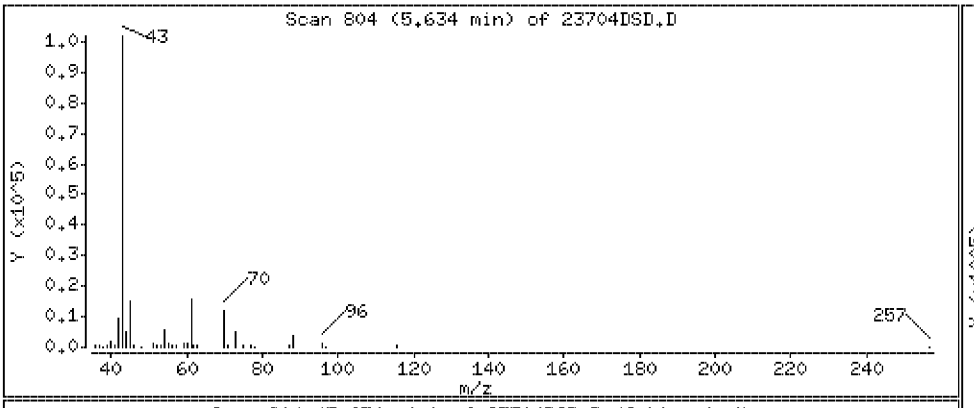
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

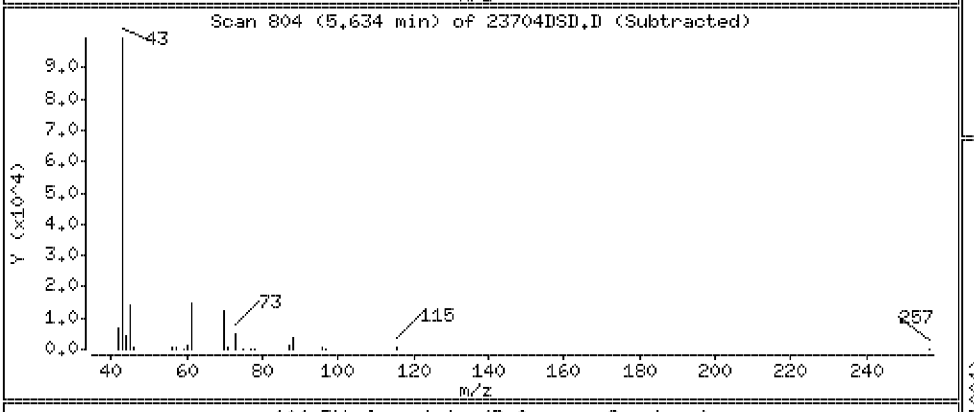
Sample Info: 350023704;3500237;5;

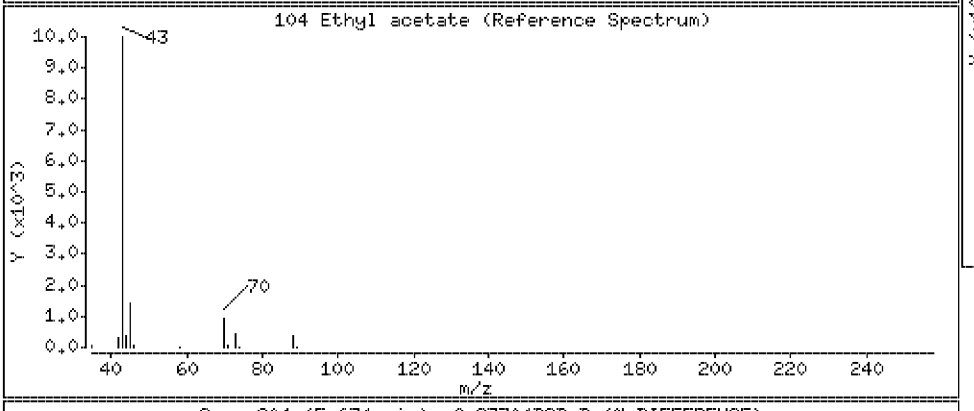
Purge Volume: 5.0 Operator:

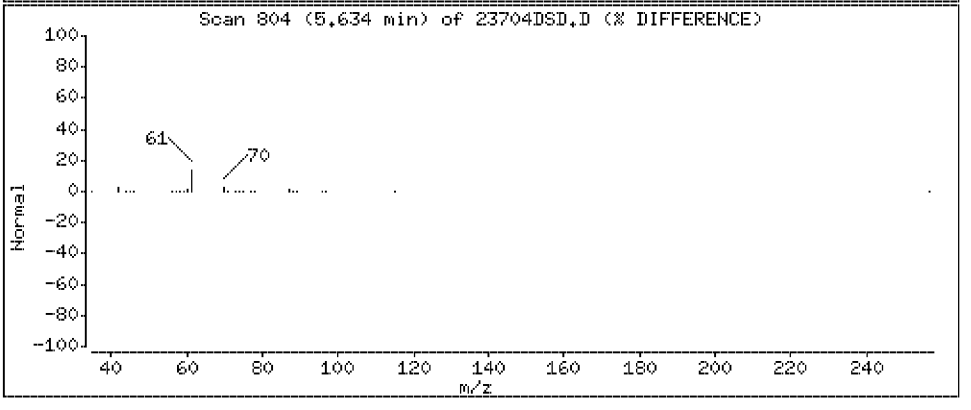
Column phase: RTX-502.2 Column diameter: 0.18

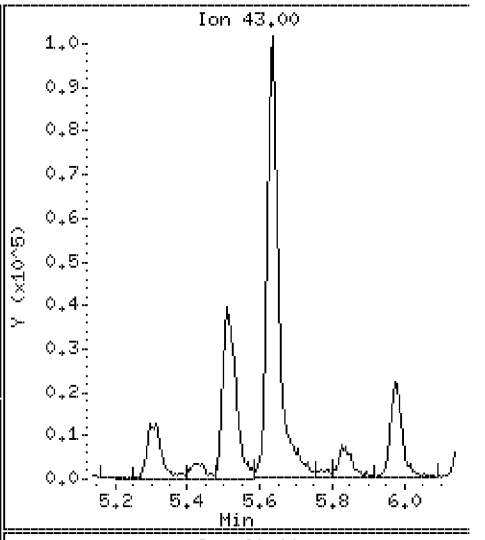
104 Ethyl acetate Concentration: 175 ug/l

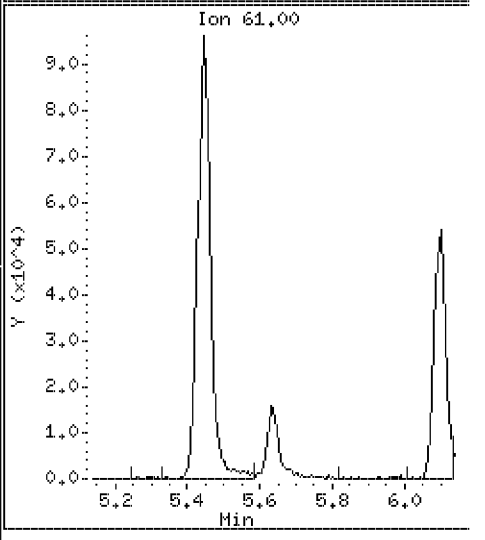












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

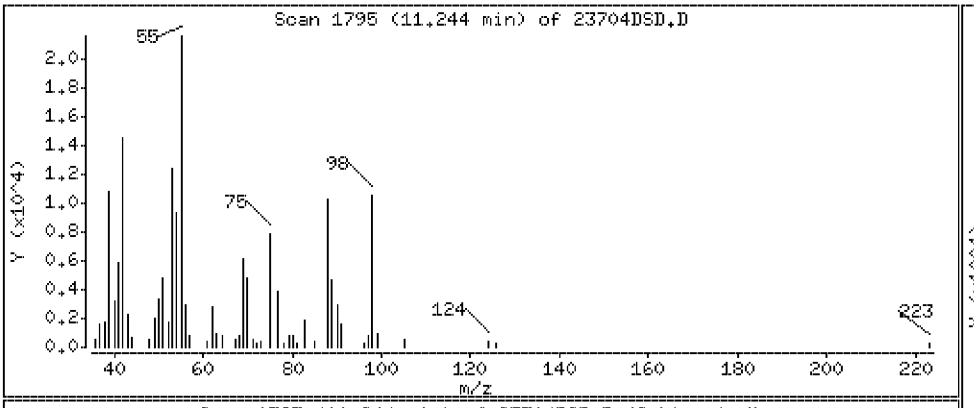
Operator:

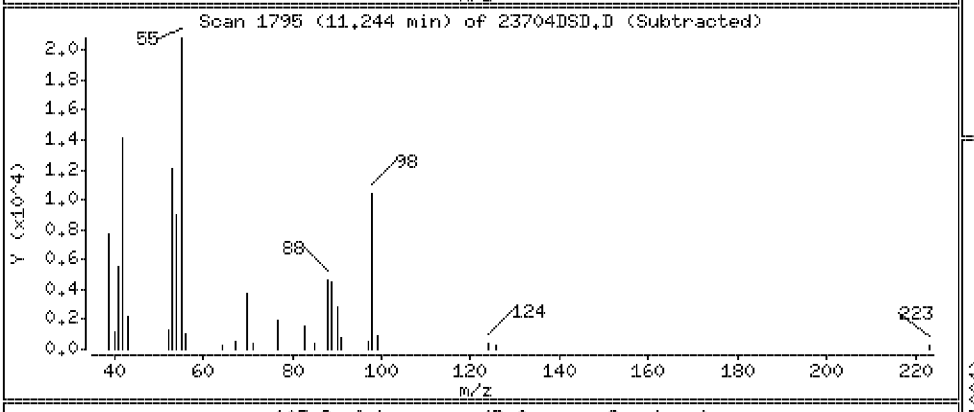
Column phase: RTX-502.2

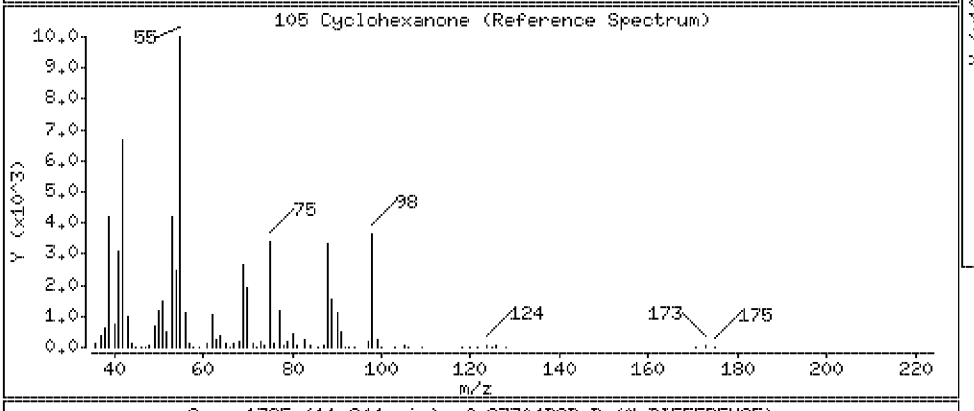
Column diameter: 0.18

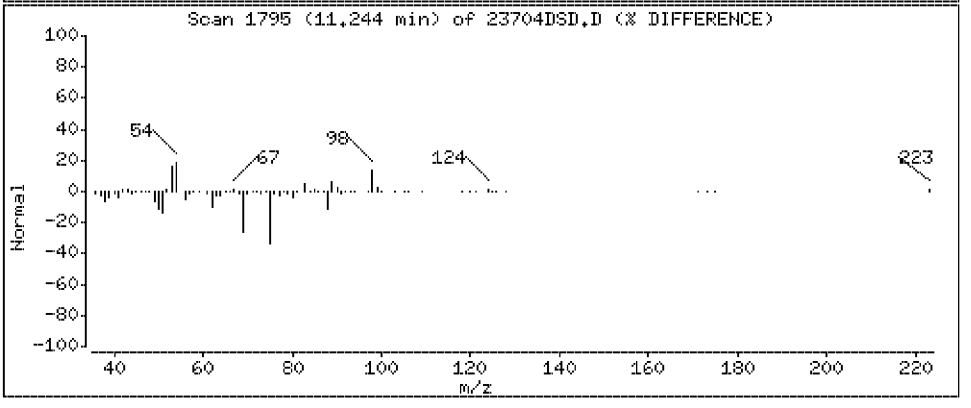
105 Cyclohexanone

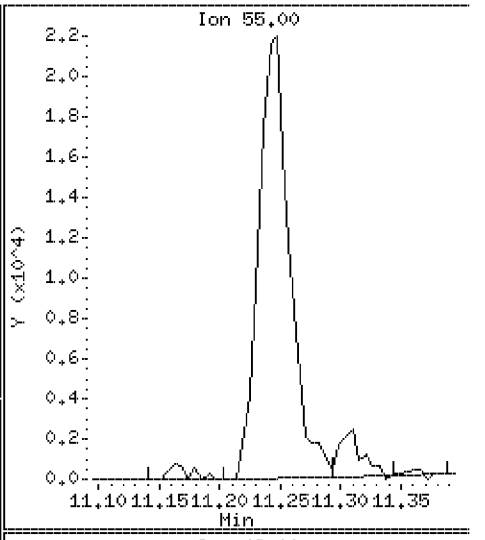
Concentration: 595 ug/l

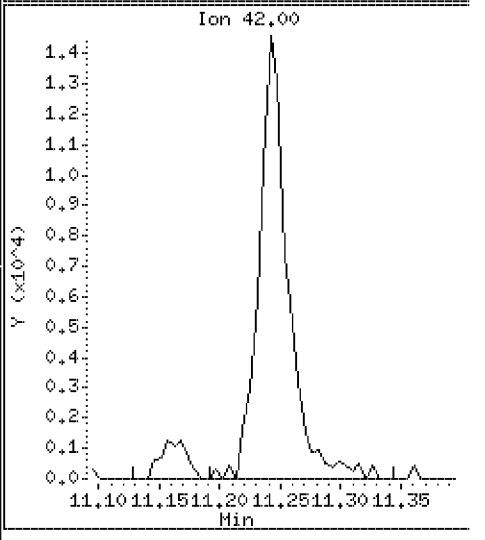












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

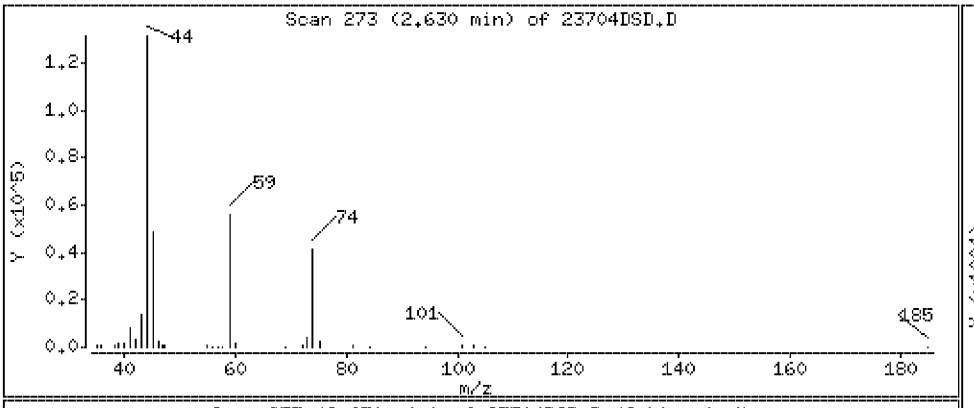
Operator:

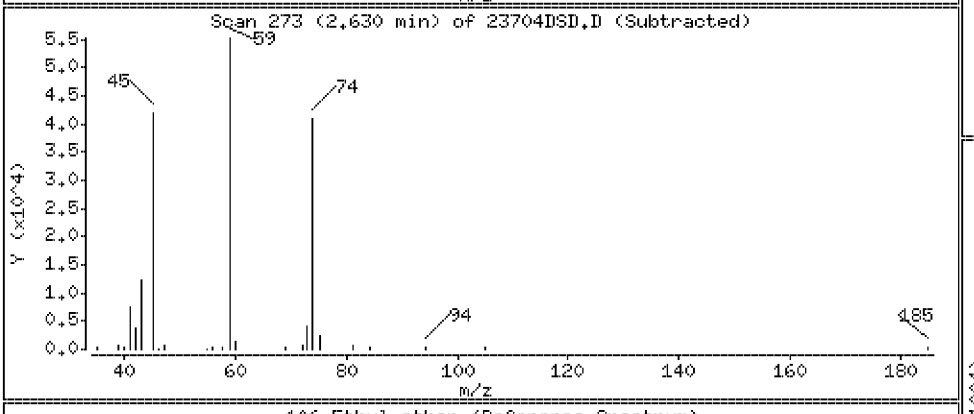
Column phase: RTX-502.2

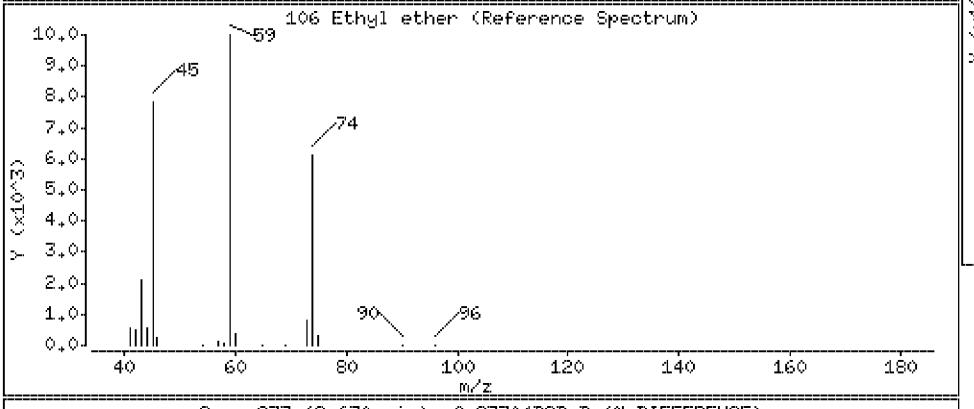
Column diameter: 0.18

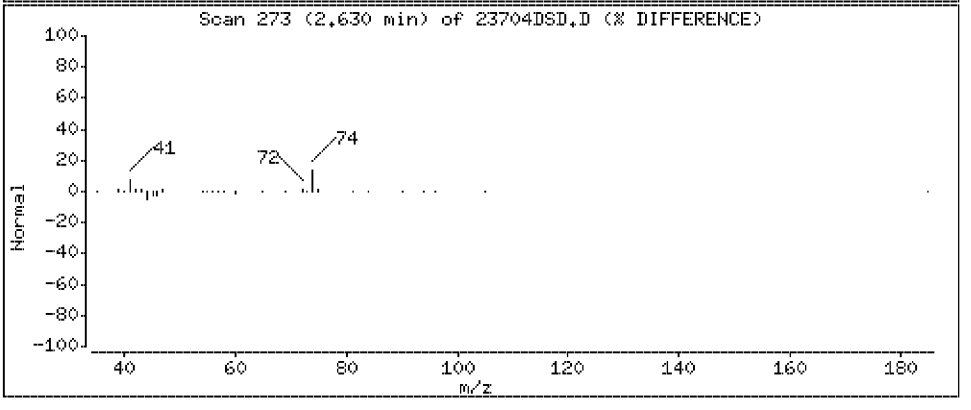
106 Ethyl ether

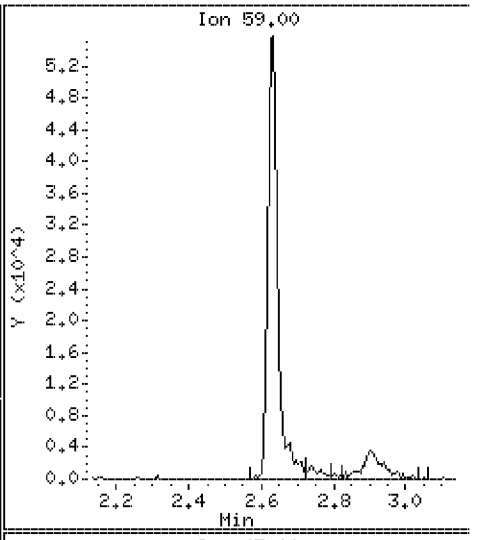
Concentration: 81.5 ug/l

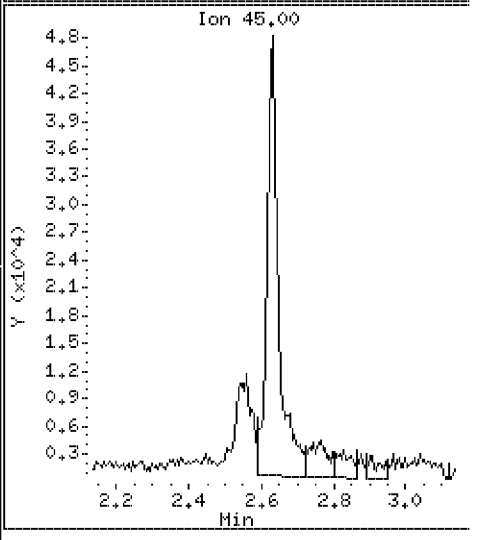












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Date : 27-JUL-2010 15:40

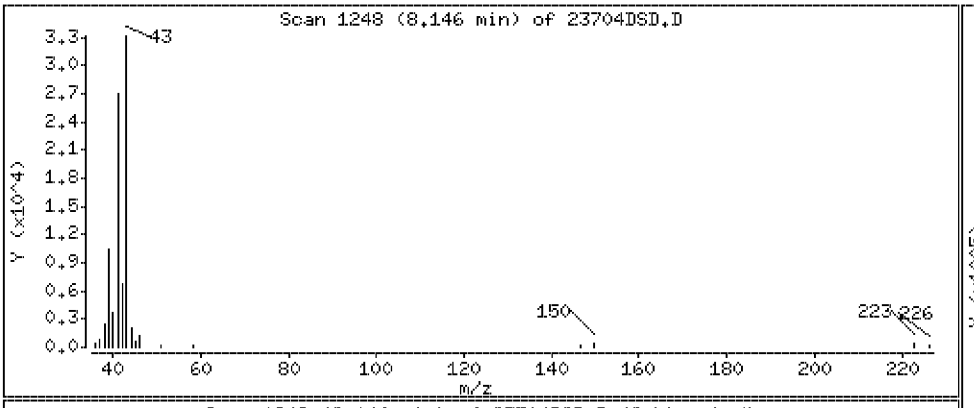
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

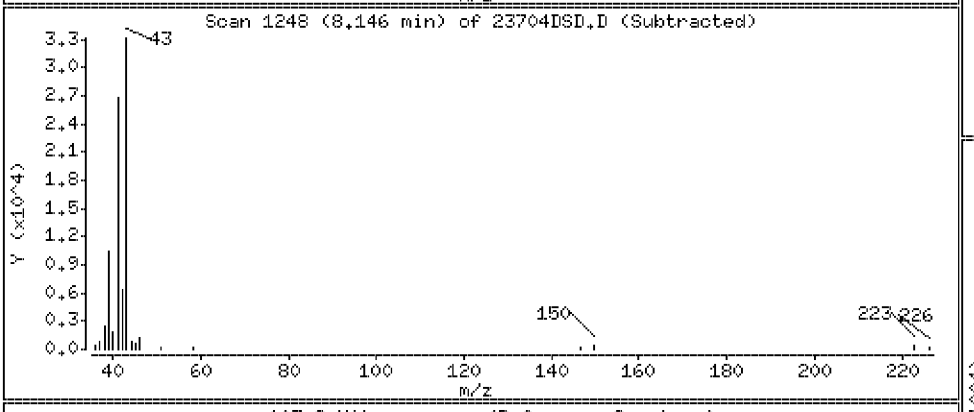
Sample Info: 350023704;3500237;5;

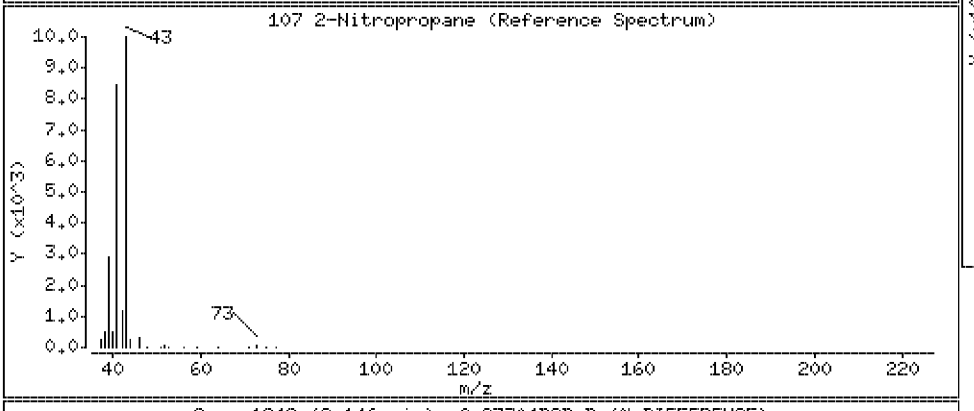
Purge Volume: 5.0 Operator:

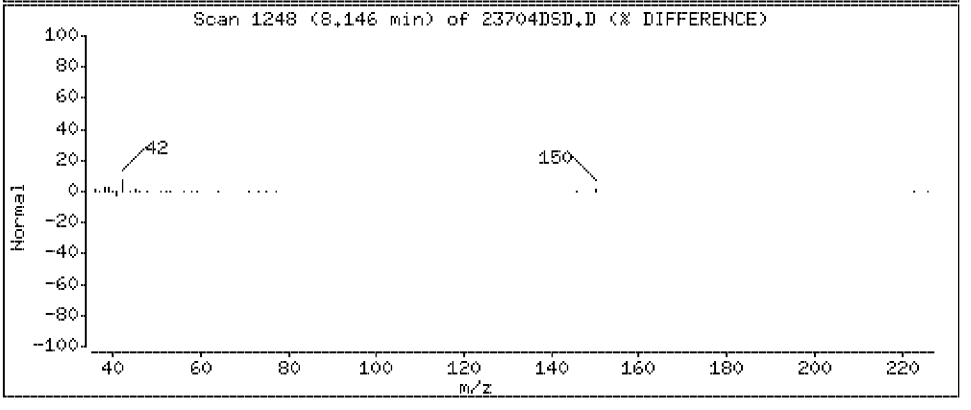
Column phase: RTX-502.2 Column diameter: 0.18

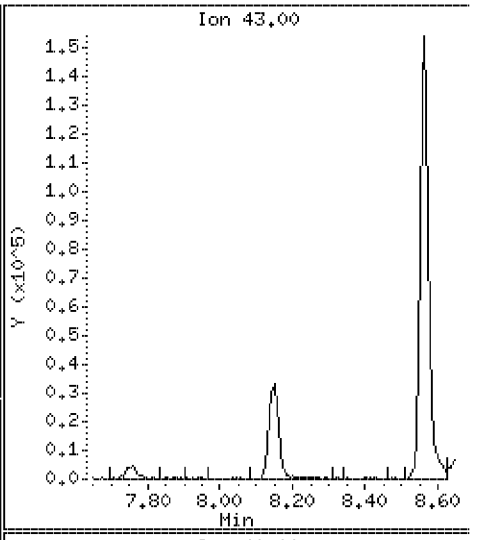
107 2-Nitropropane Concentration: 164 ug/l

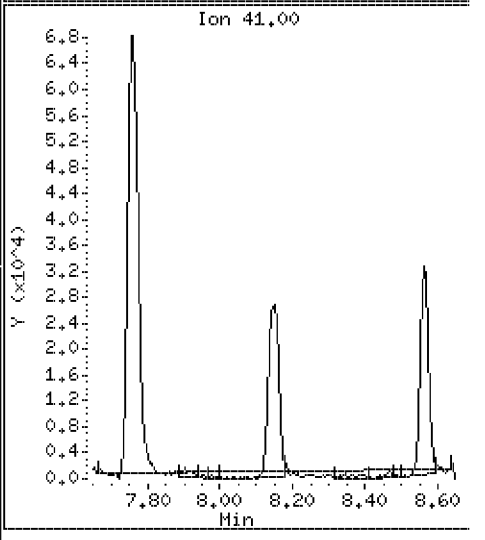












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Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

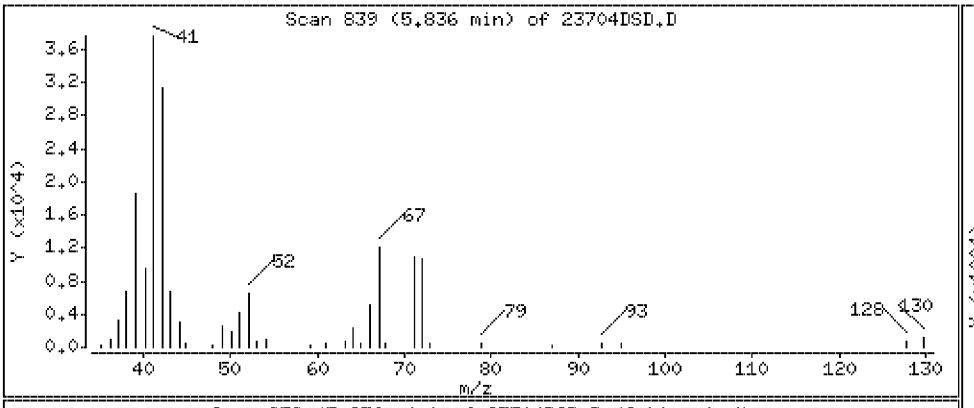
Operator:

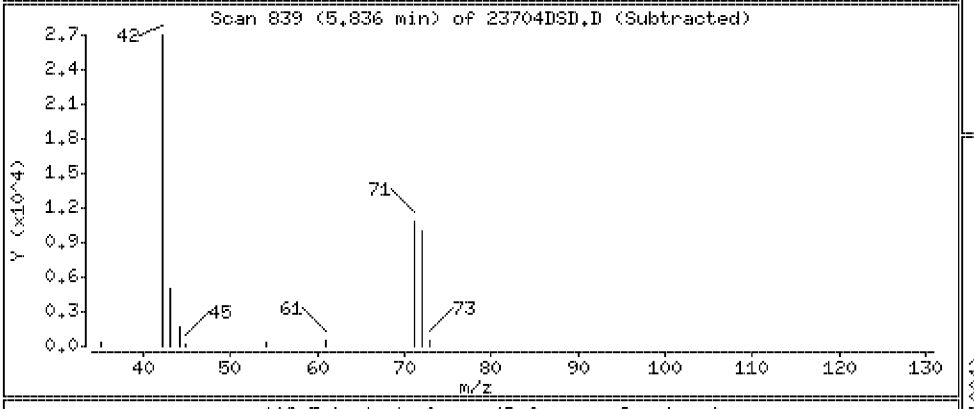
Column phase: RTX-502.2

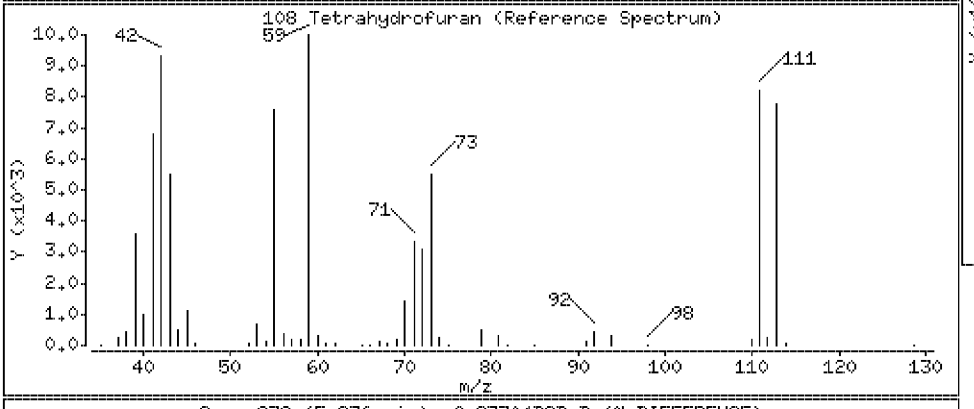
Column diameter: 0.18

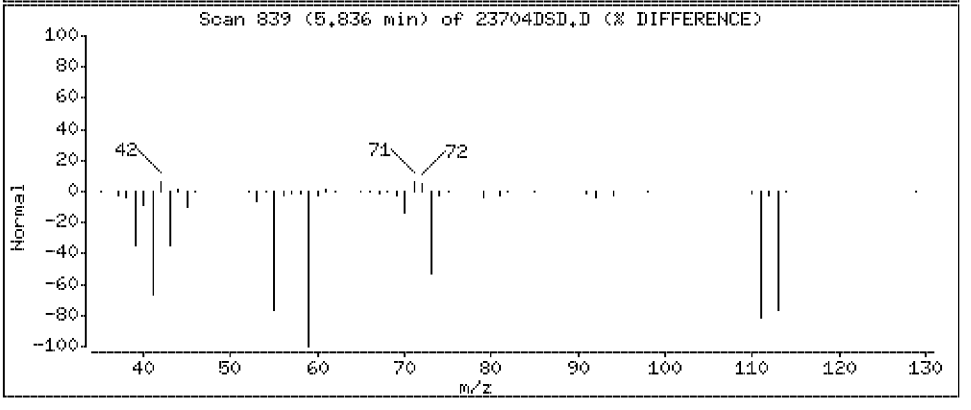
108 Tetrahydrofuran

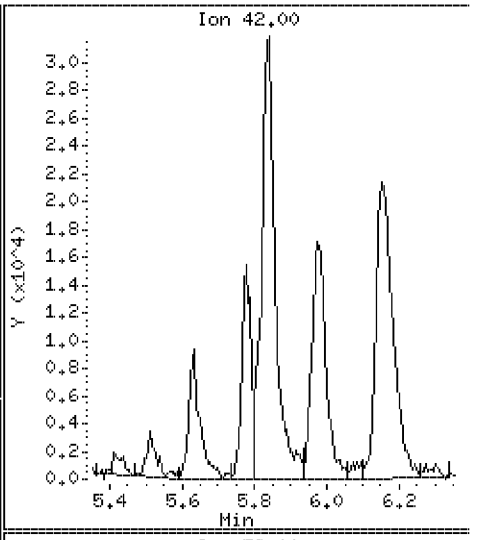
Concentration: 214 ug/l

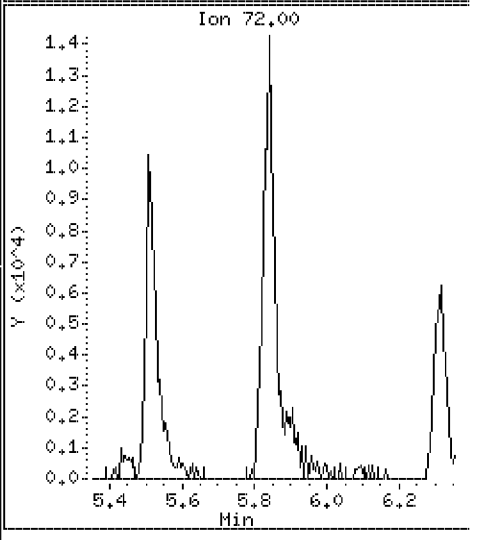












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

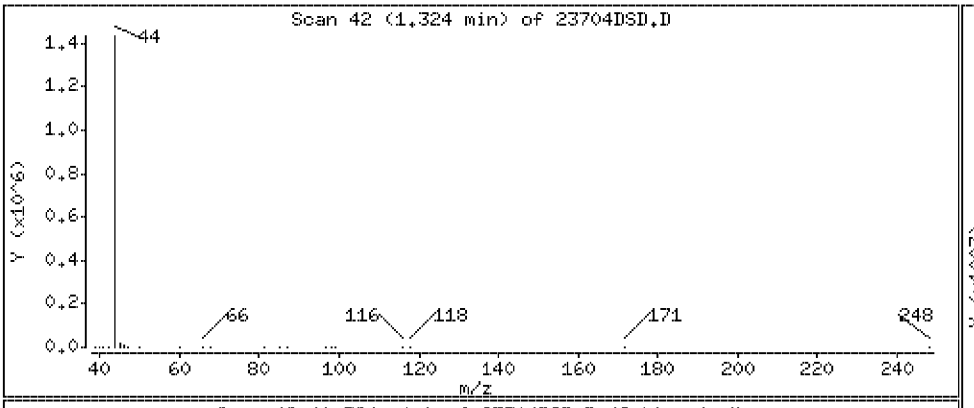
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

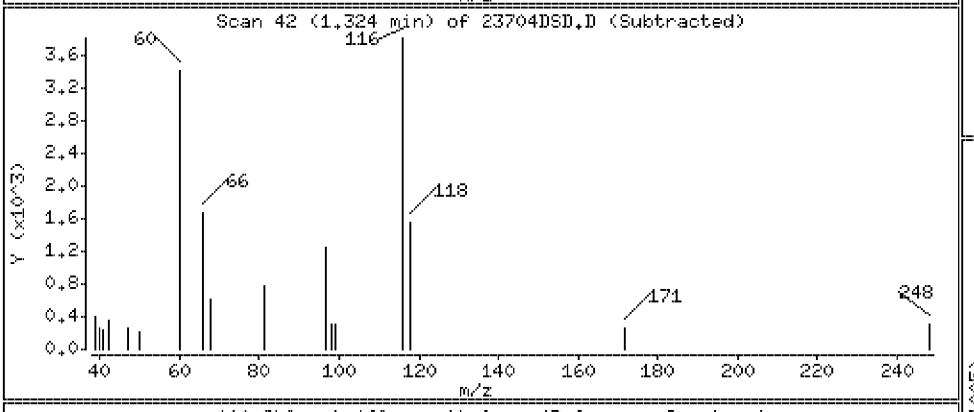
Sample Info: 350023704;3500237;5;

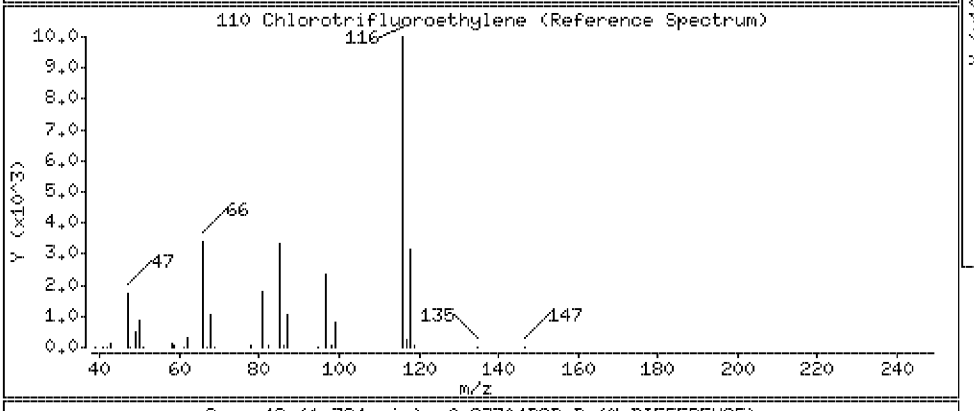
Purge Volume: 5.0 Operator:

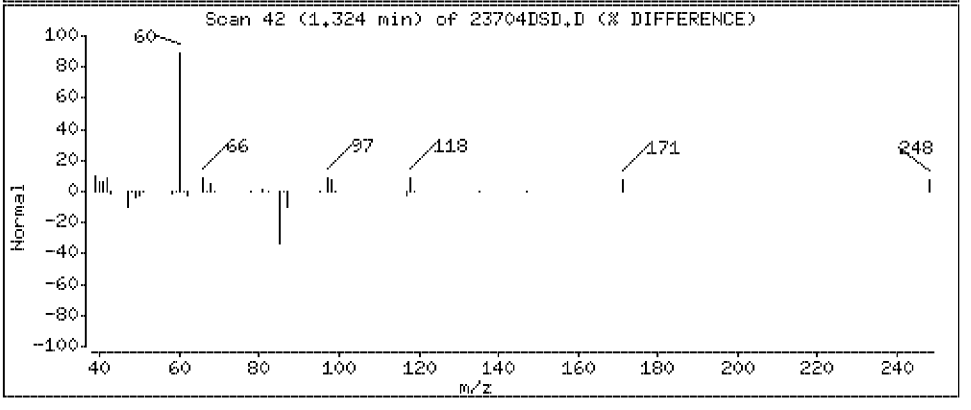
Column phase: RTX-502.2 Column diameter: 0.18

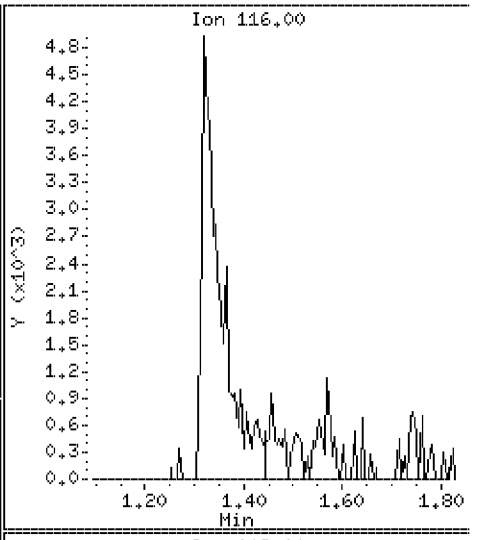
110 Chlorotrifluoroethylene Concentration: 51.2 ug/l

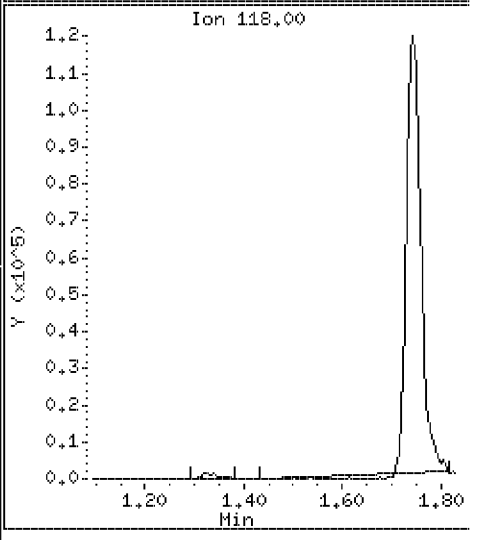












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

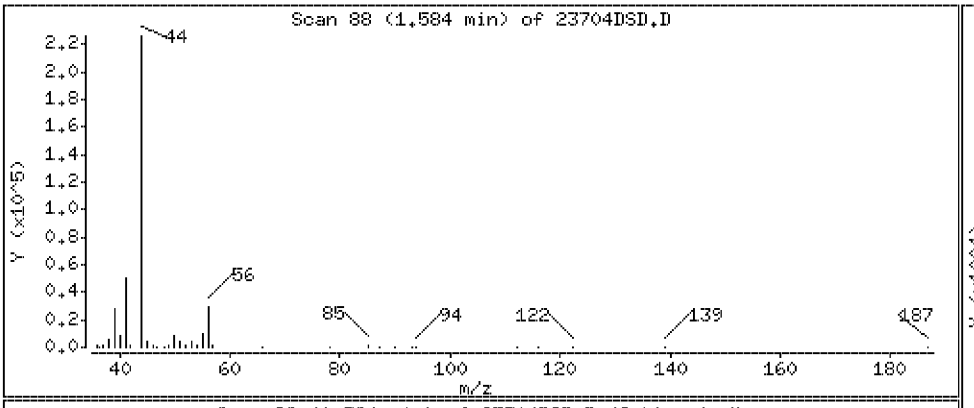
Operator:

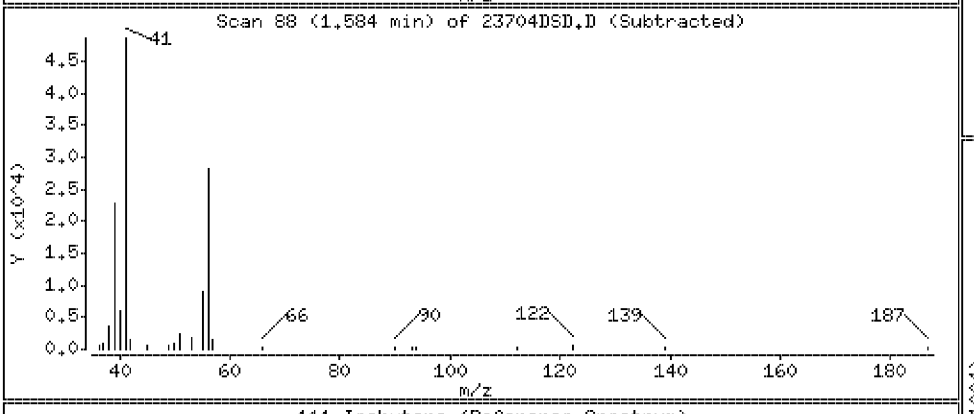
Column phase: RTX-502.2

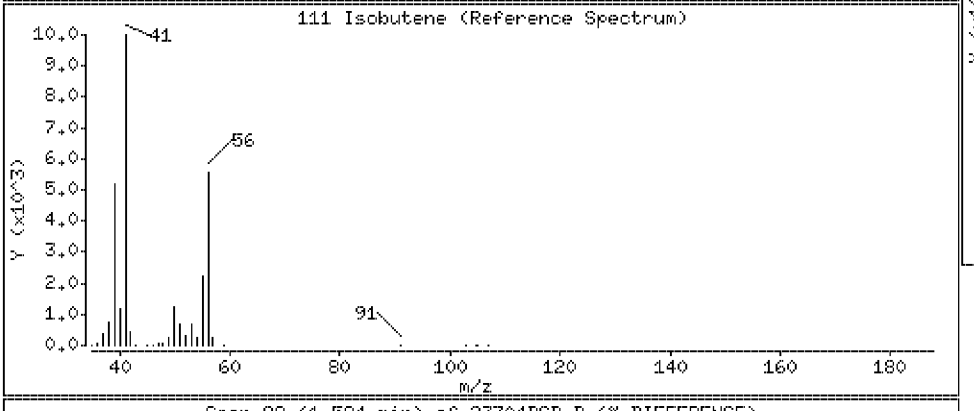
Column diameter: 0.18

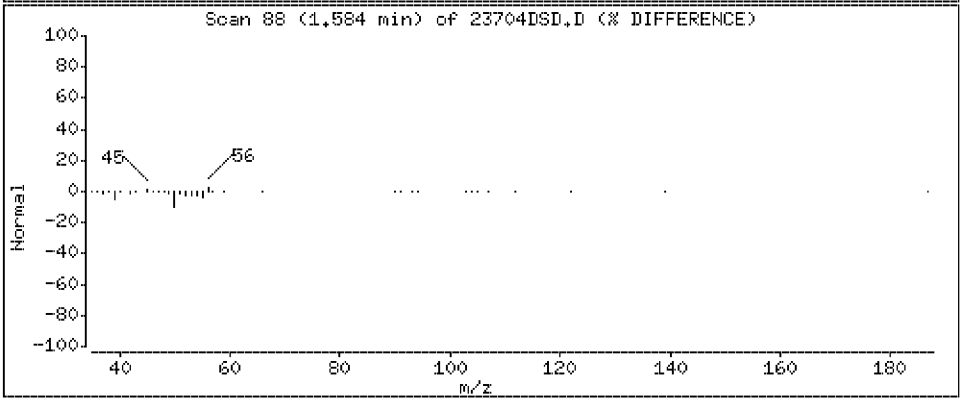
111 Isobutene

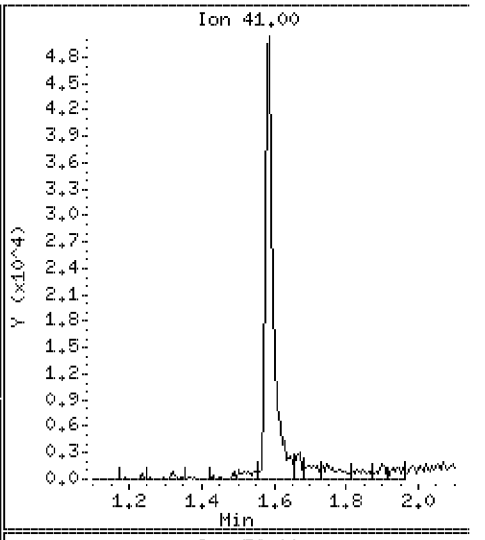
Concentration: 1250 ug/l

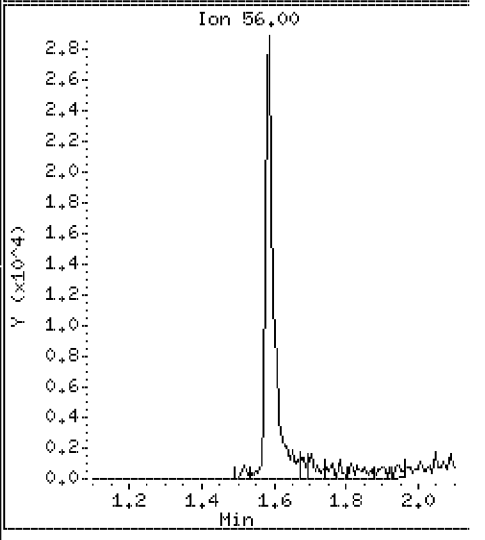












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

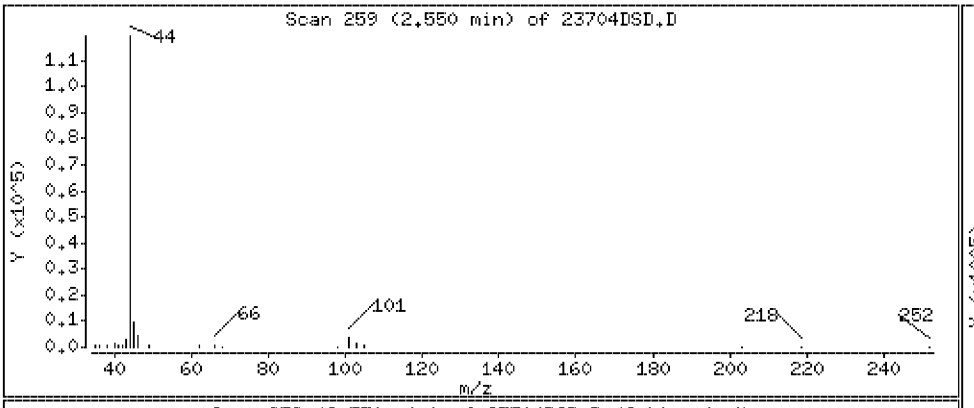
Operator:

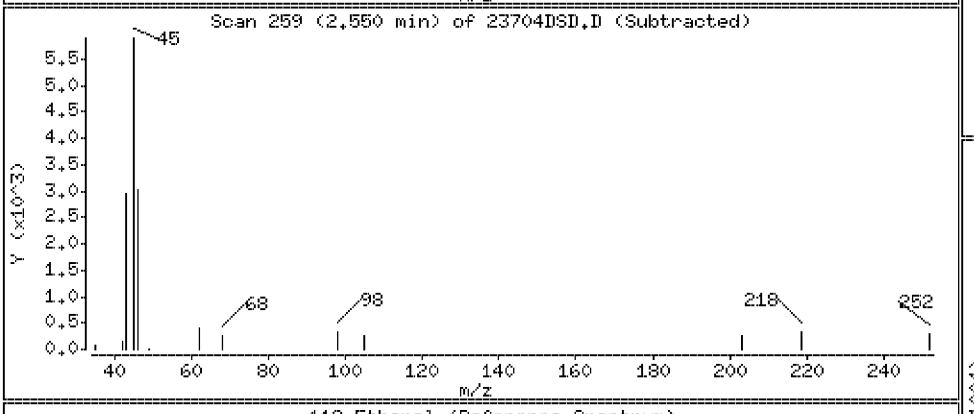
Column phase: RTX-502.2

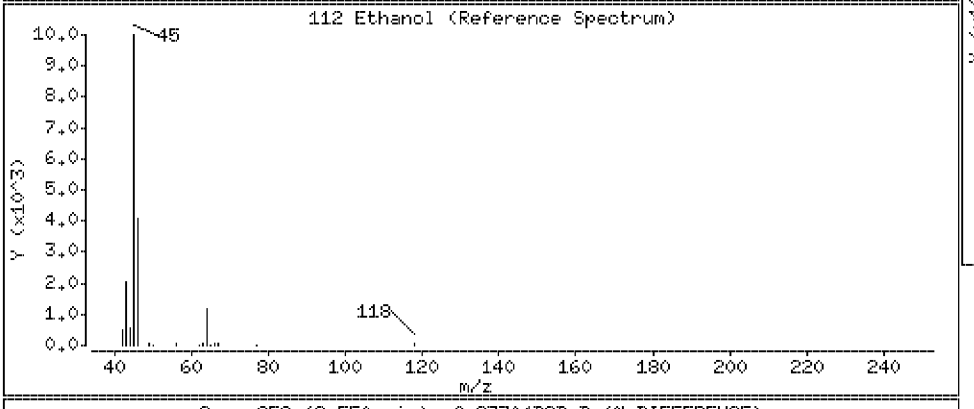
Column diameter: 0.18

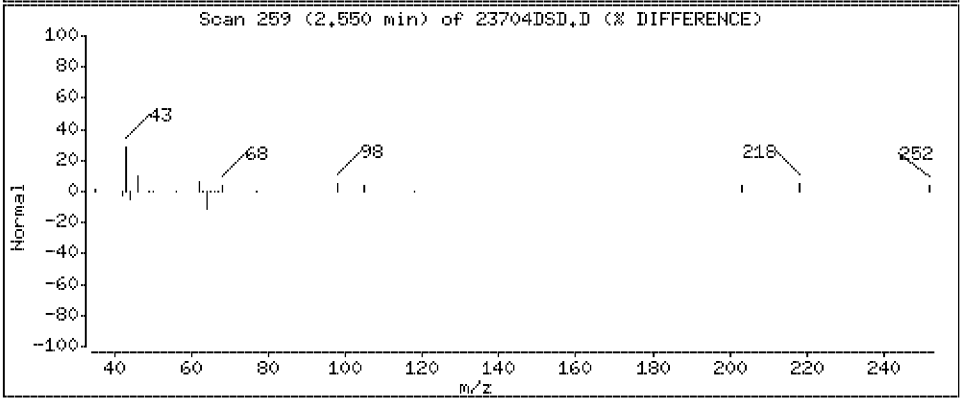
112 Ethanol

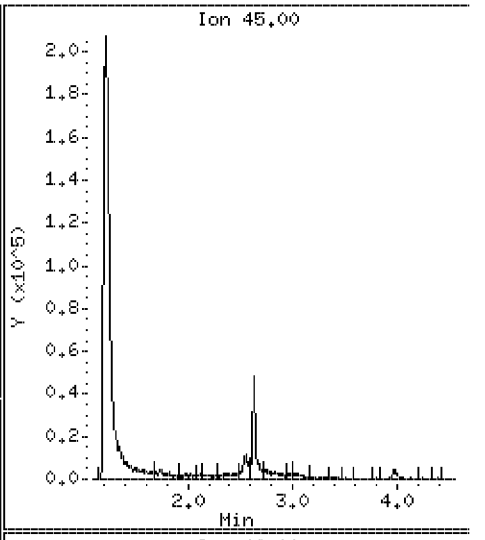
Concentration: 7800 ug/l

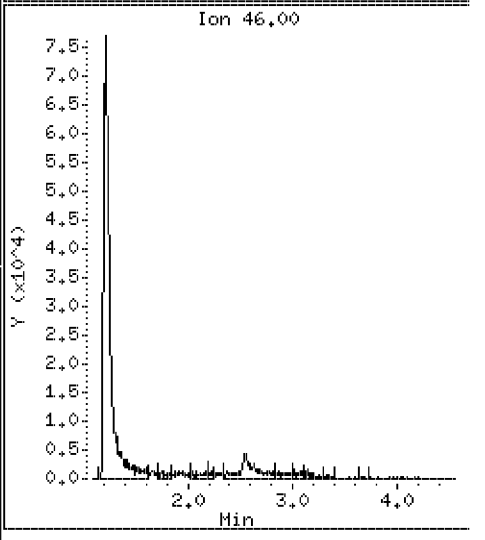












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

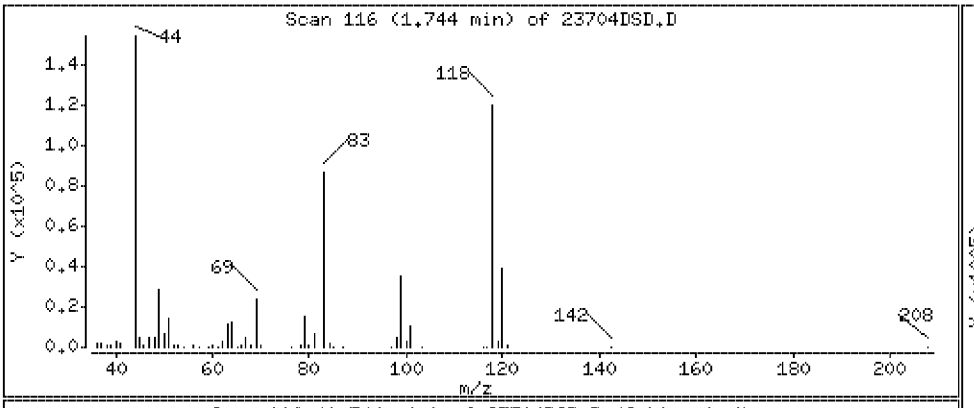
Operator:

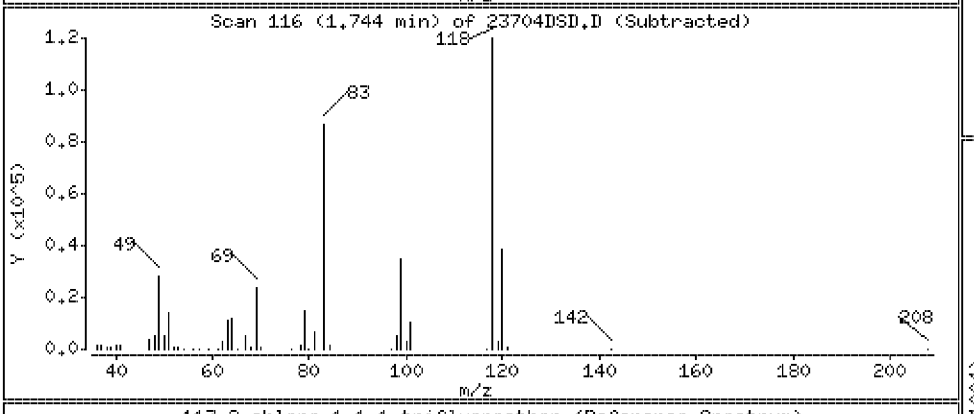
Column phase: RTX-502.2

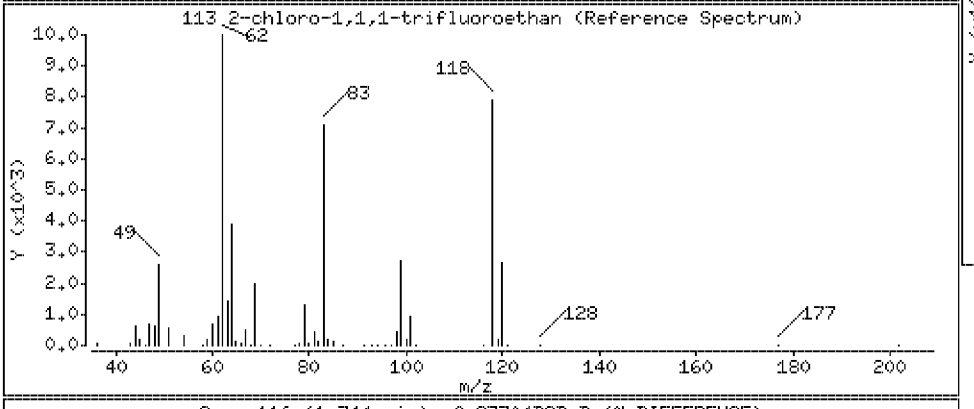
Column diameter: 0.18

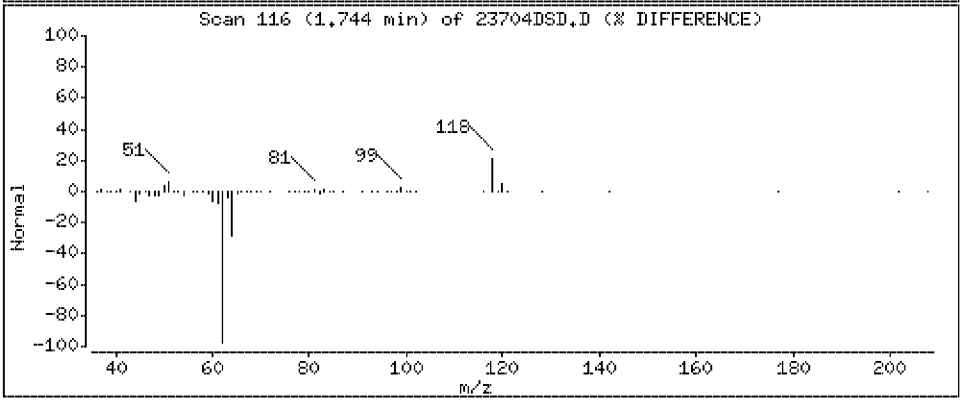
113 2-chloro-1,1,1-trifluoroethan

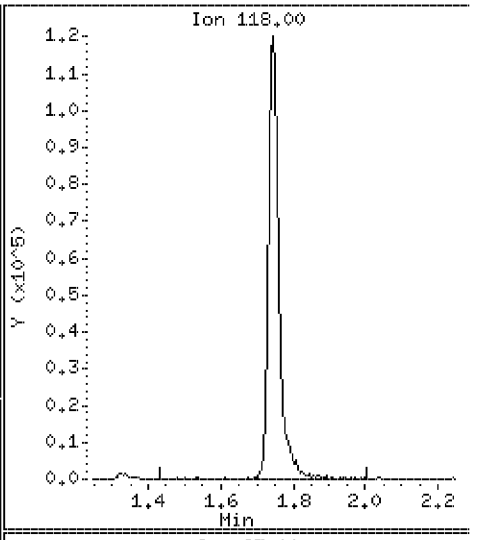
Concentration: 112 ug/l

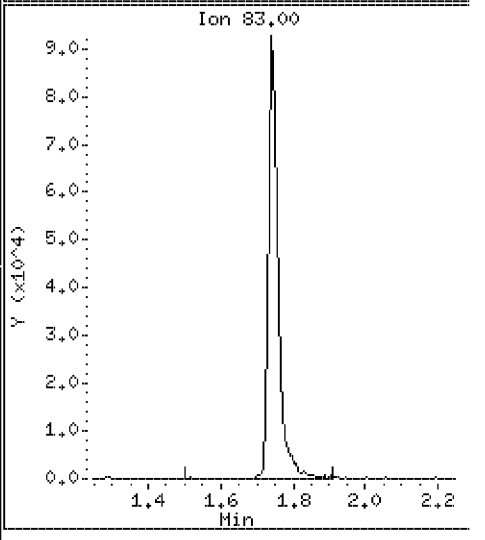












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

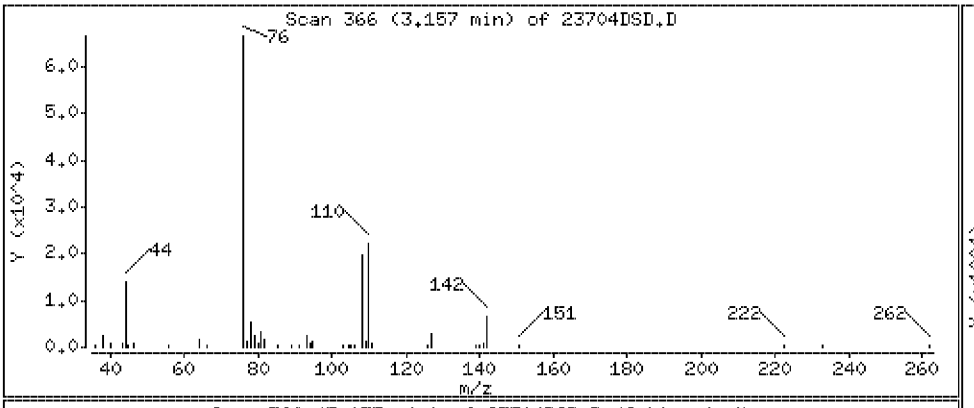
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

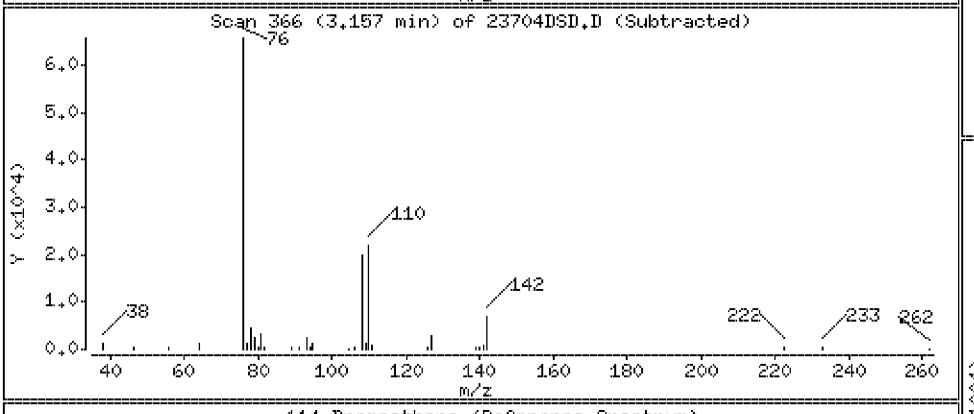
Sample Info: 350023704;3500237;5;

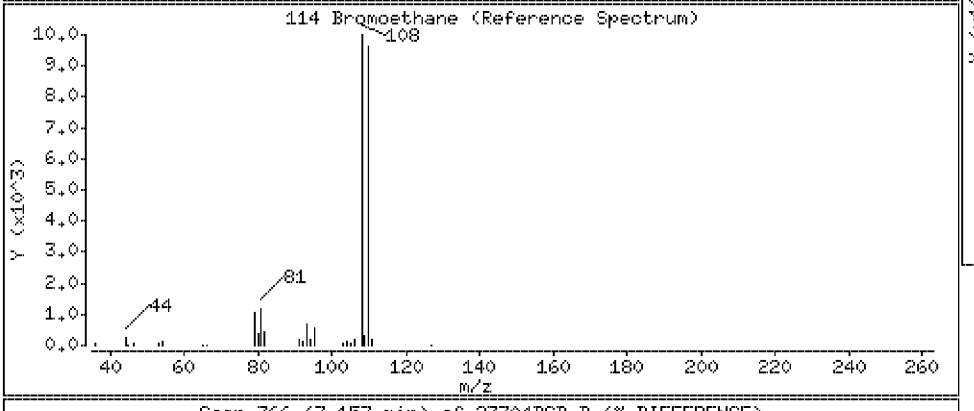
Purge Volume: 5.0 Operator:

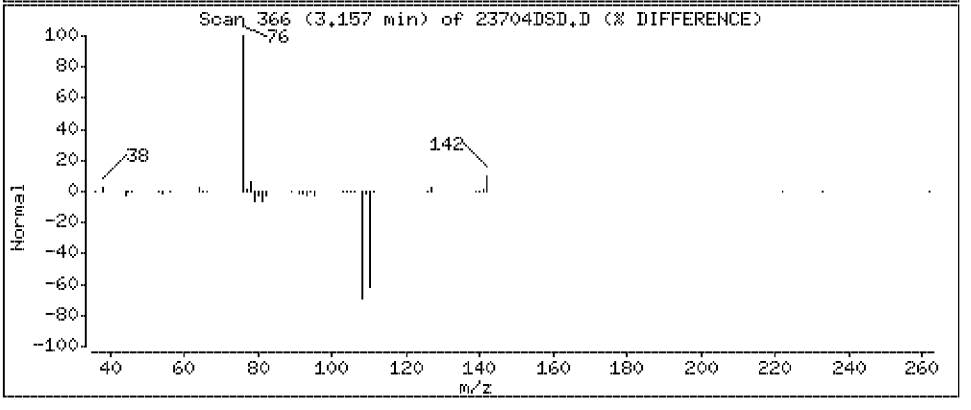
Column phase: RTX-502.2 Column diameter: 0.18

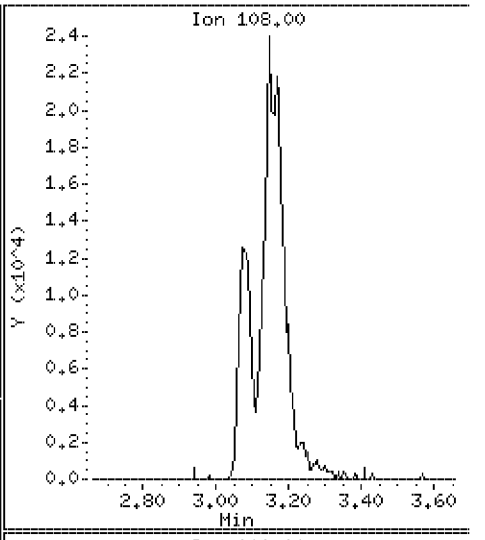
114 Bromoethane Concentration: 91.4 ug/l

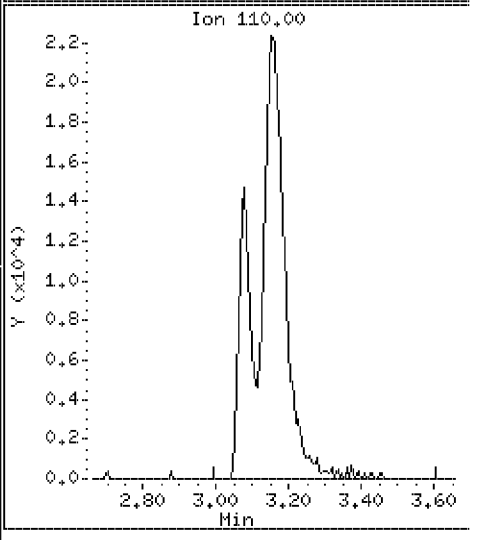












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

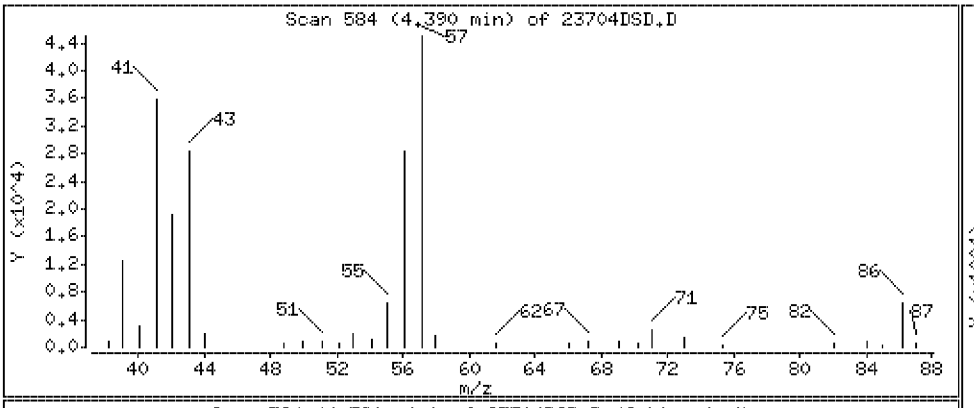
Operator:

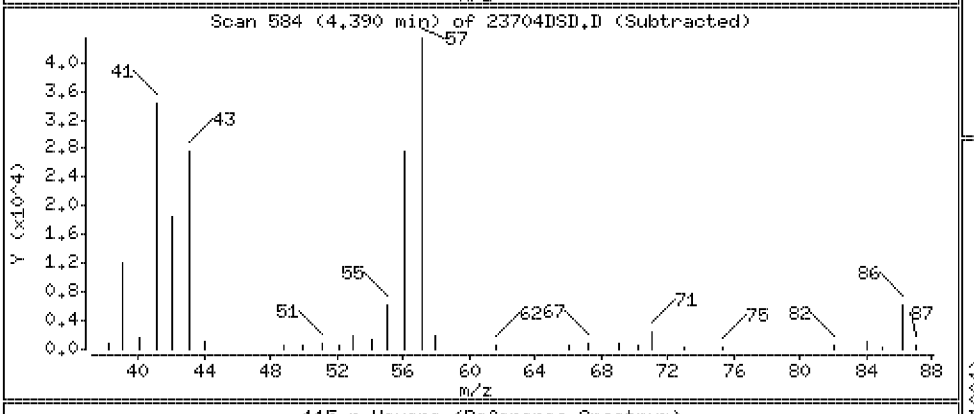
Column phase: RTX-502.2

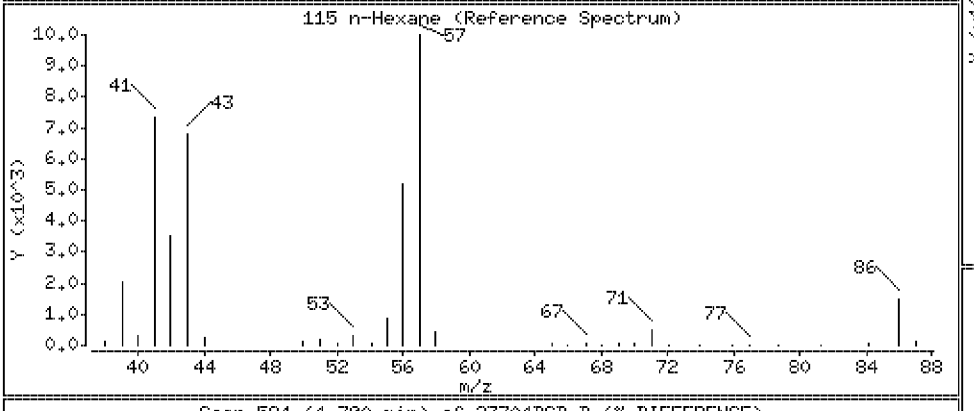
Column diameter: 0.18

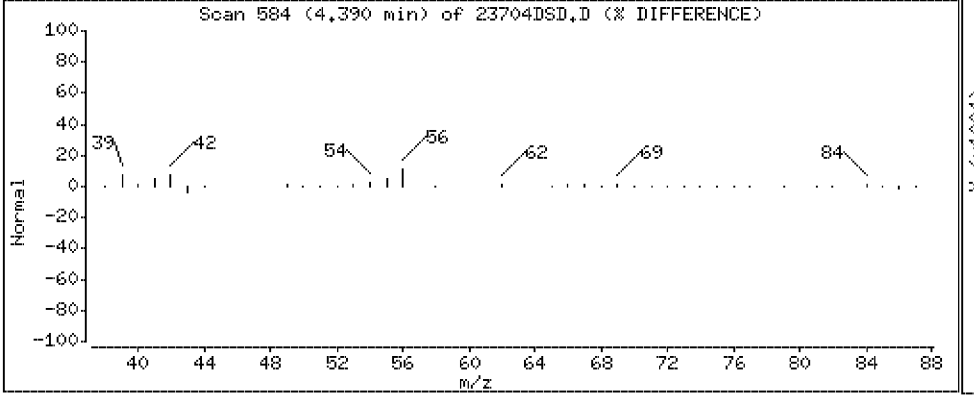
115 n-Hexane

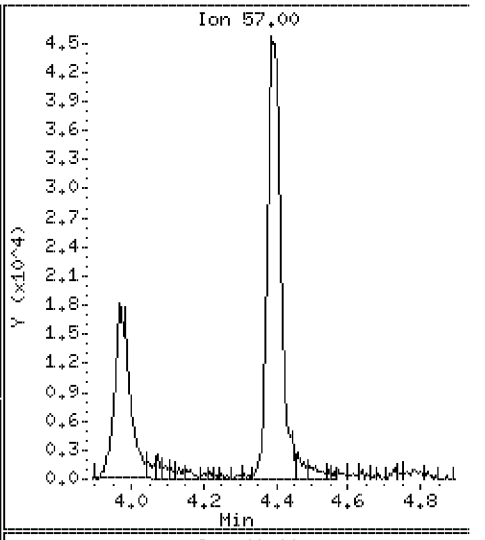
Concentration: 73.2 ug/l

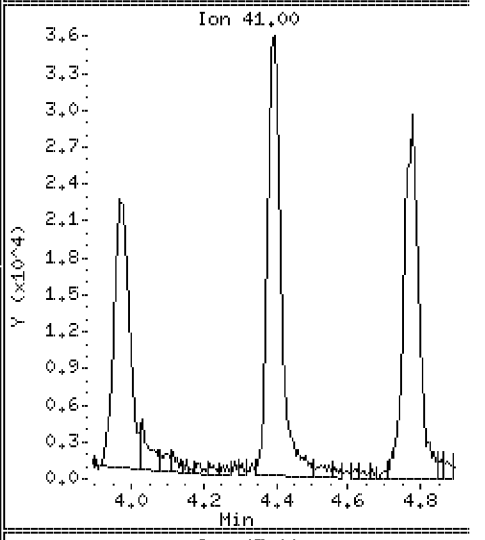


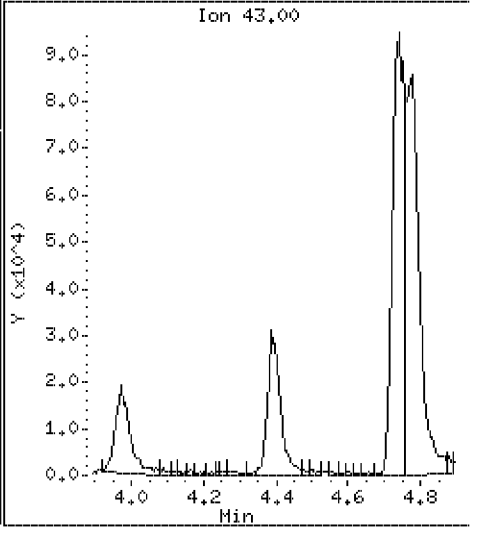












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

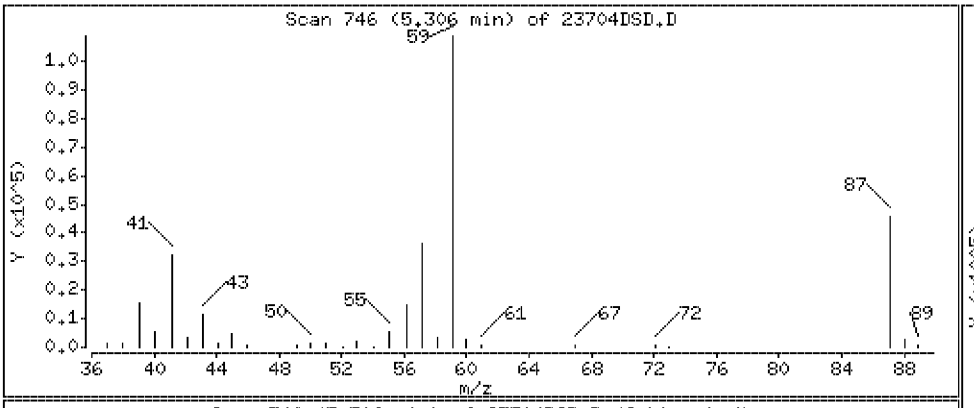
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

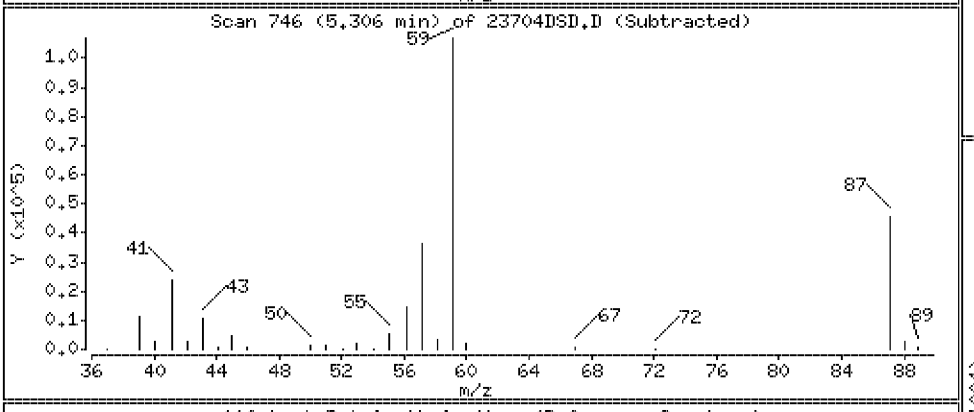
Sample Info: 350023704;3500237;5;

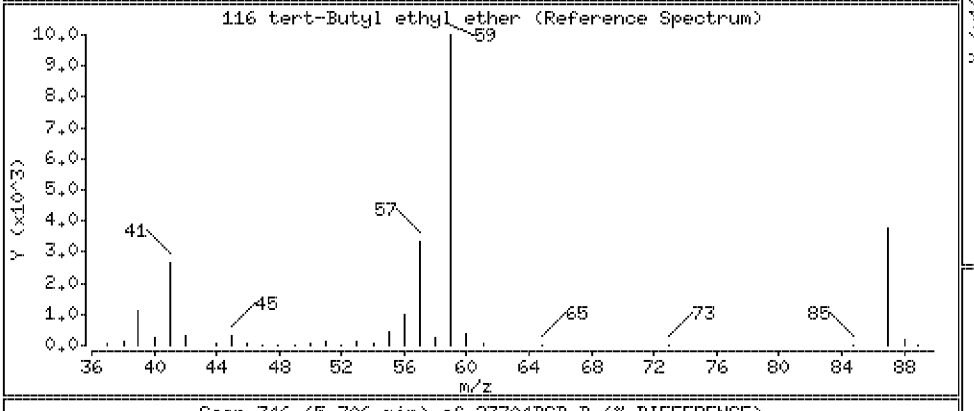
Purge Volume: 5.0 Operator:

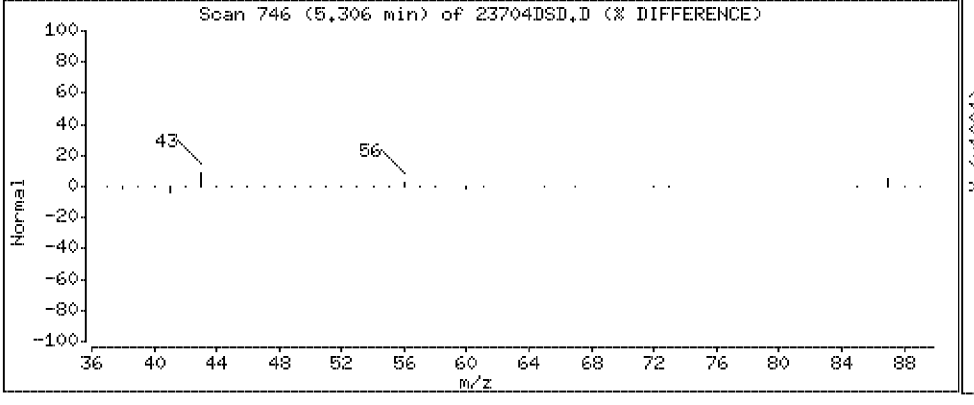
Column phase: RTX-502.2 Column diameter: 0.18

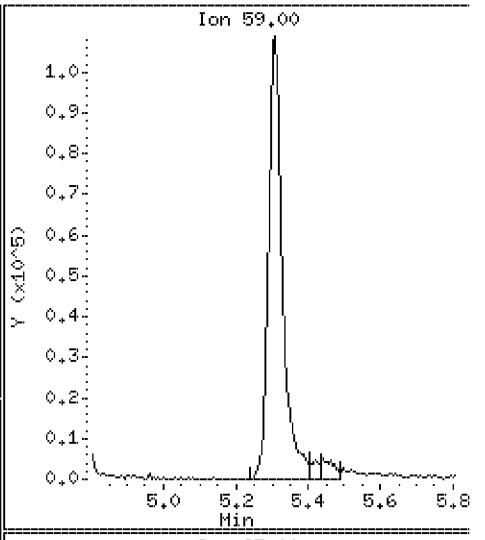
116 tert-Butyl ethyl ether Concentration: 79.8 ug/l

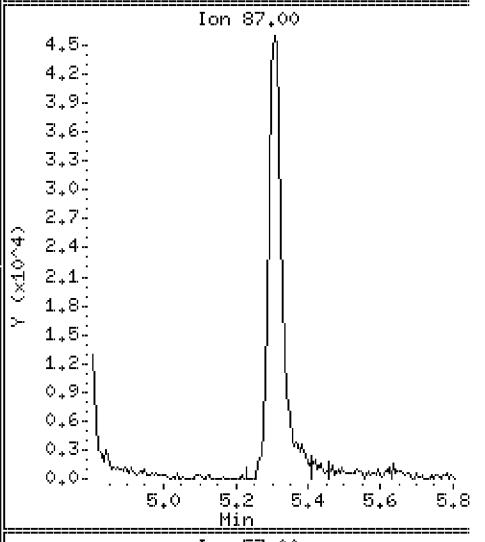


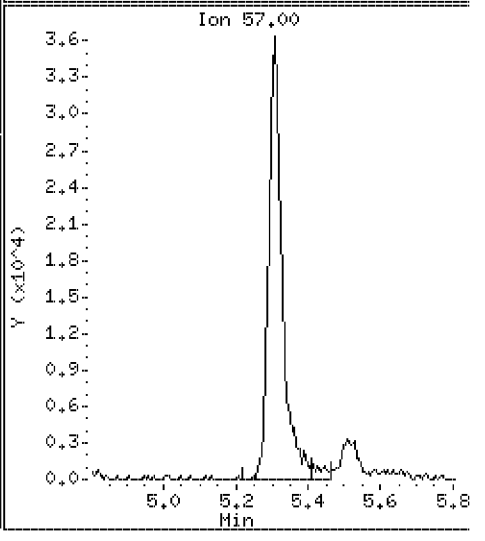












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

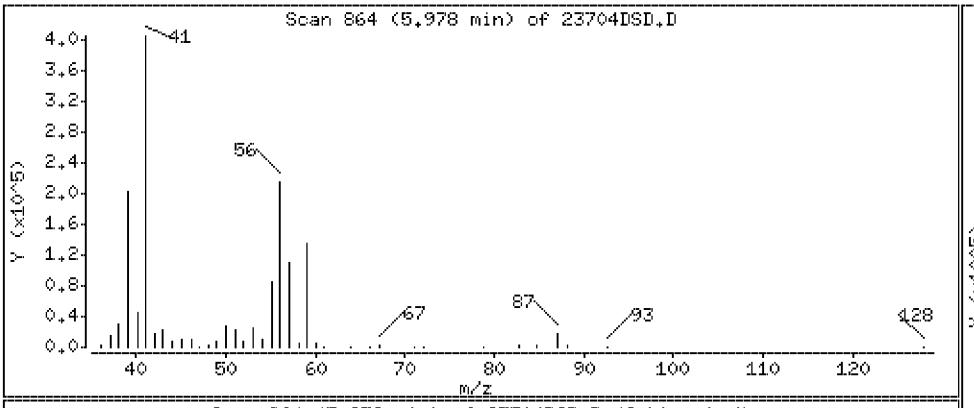
Operator:

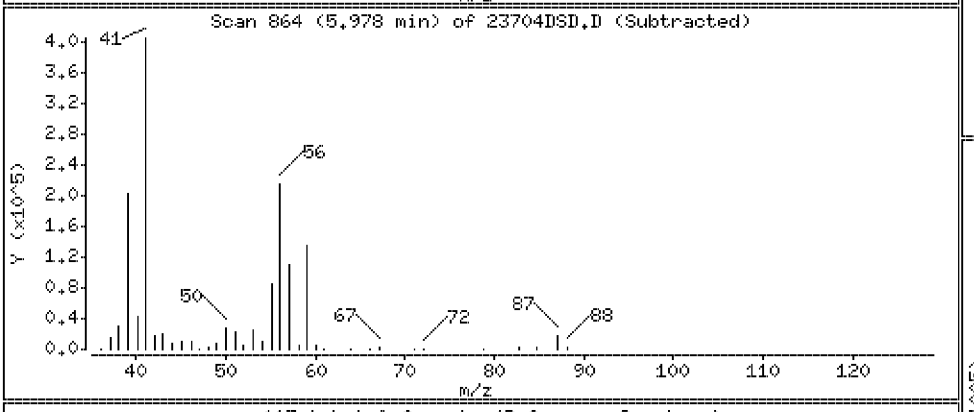
Column phase: RTX-502.2

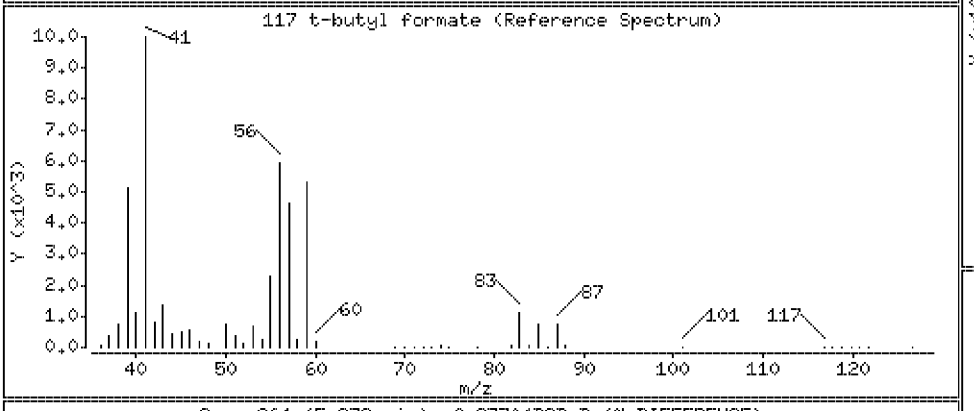
Column diameter: 0.18

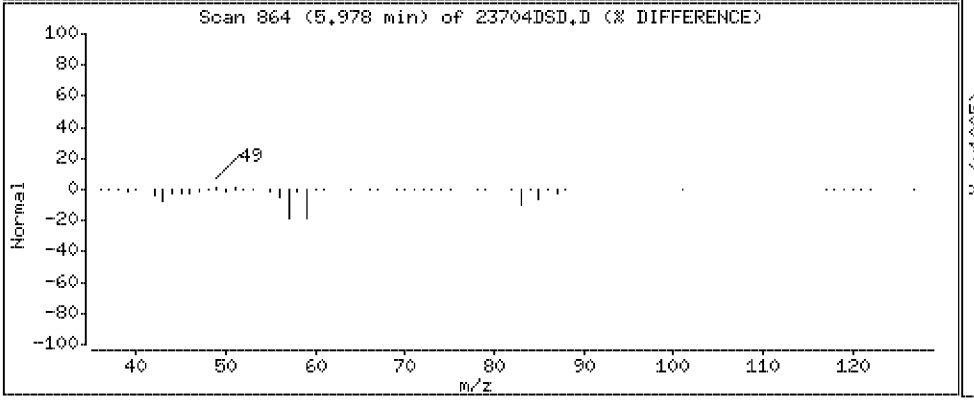
117 t-butyl formate

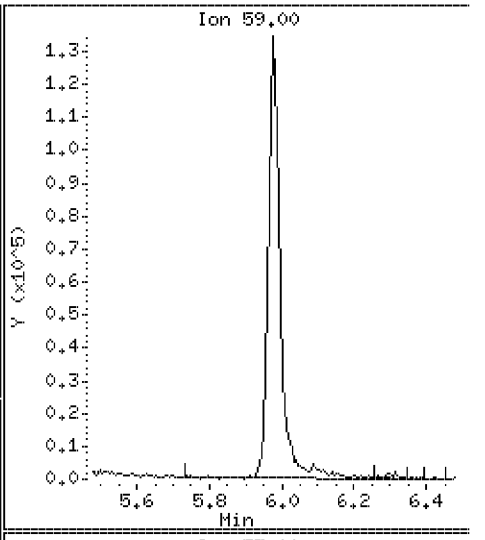
Concentration: 996 ug/l

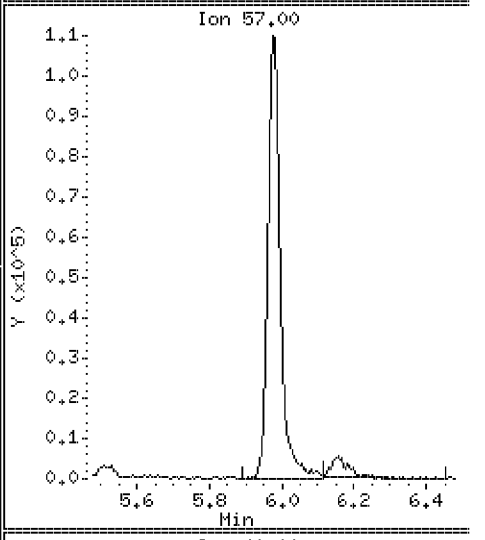


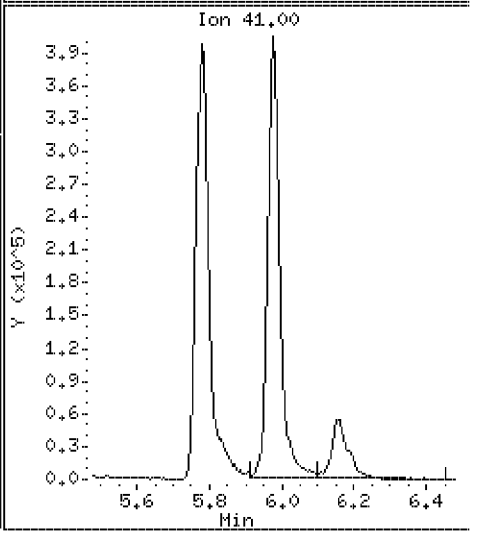












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

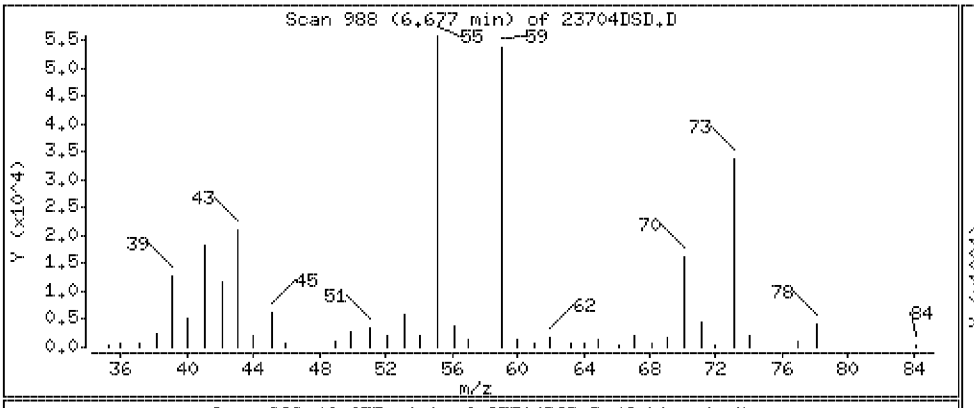
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

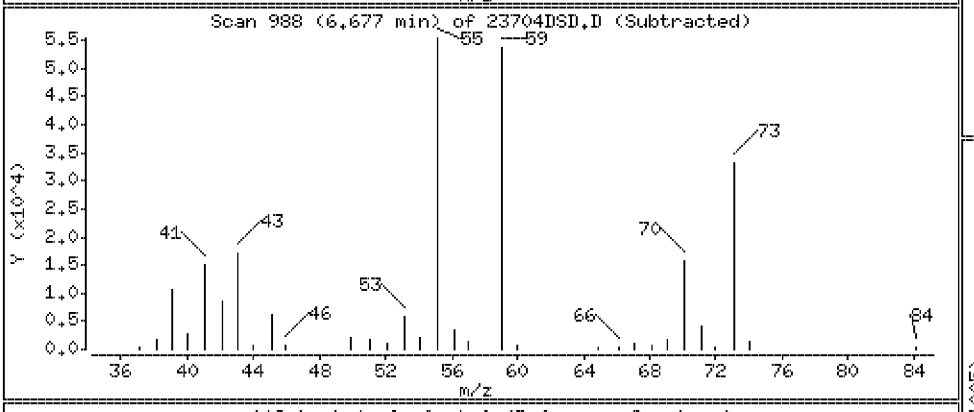
Sample Info: 350023704;3500237;5;

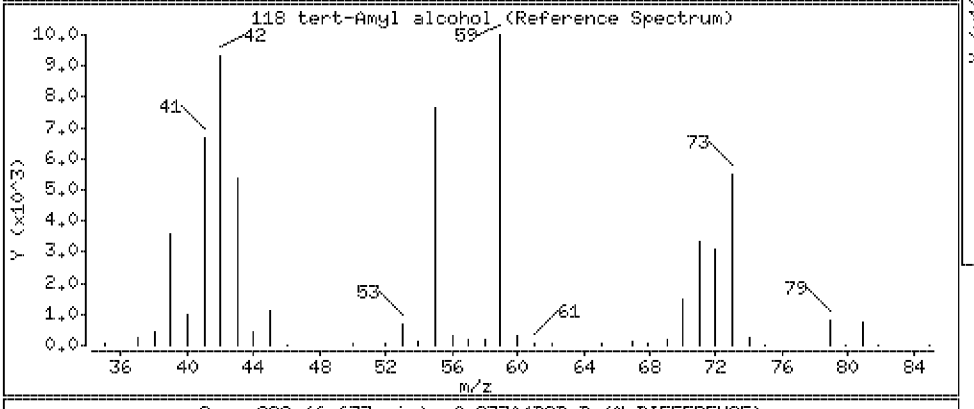
Purge Volume: 5.0 Operator:

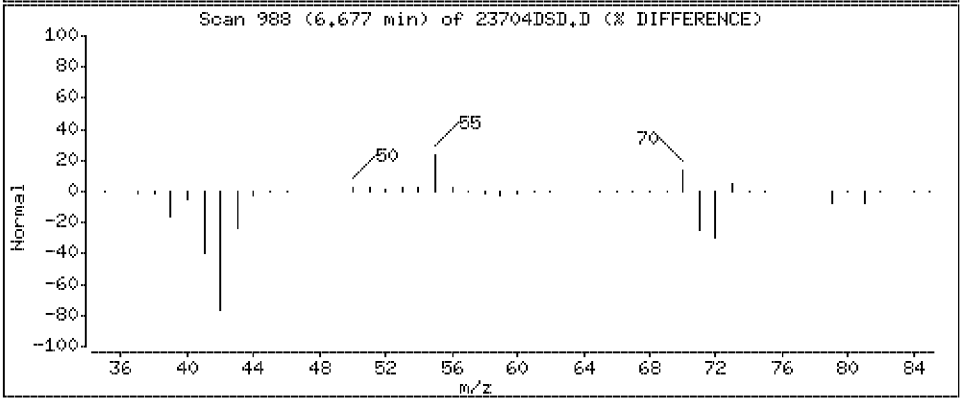
Column phase: RTX-502.2 Column diameter: 0.18

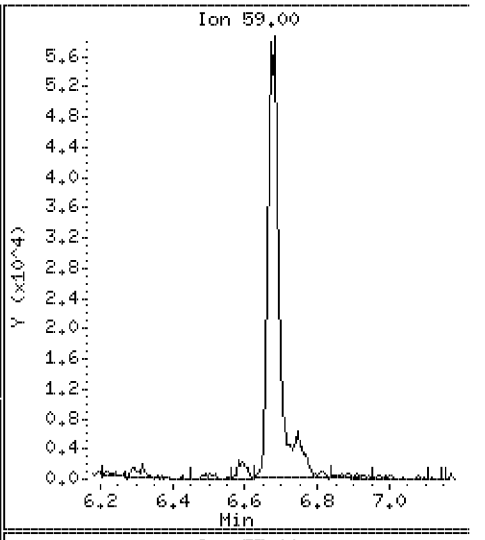
118 tert-Amyl alcohol Concentration: 1660 ug/l

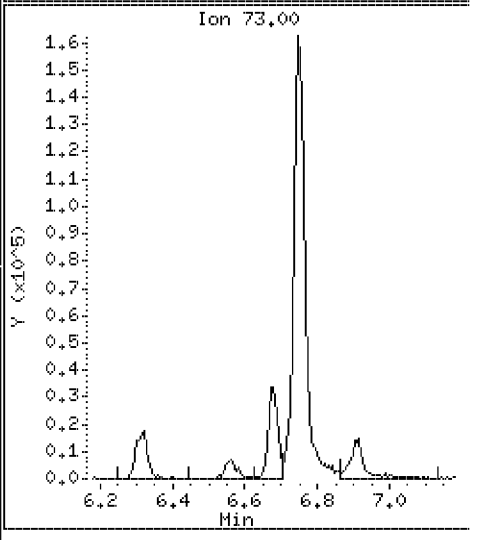












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

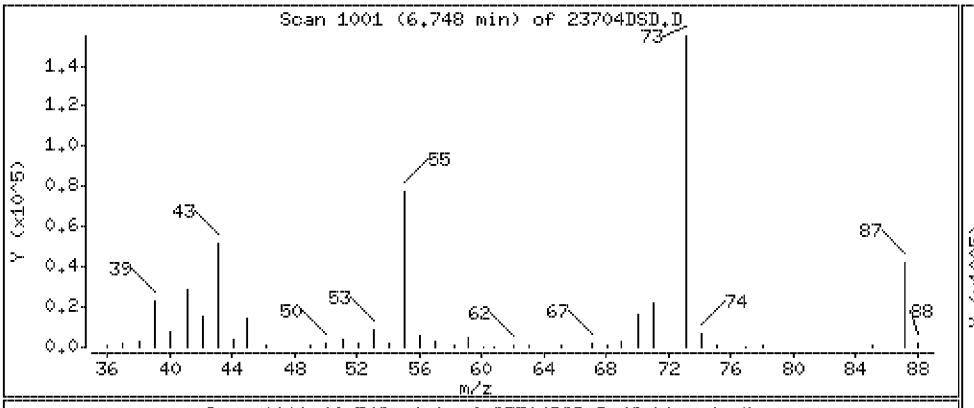
Operator:

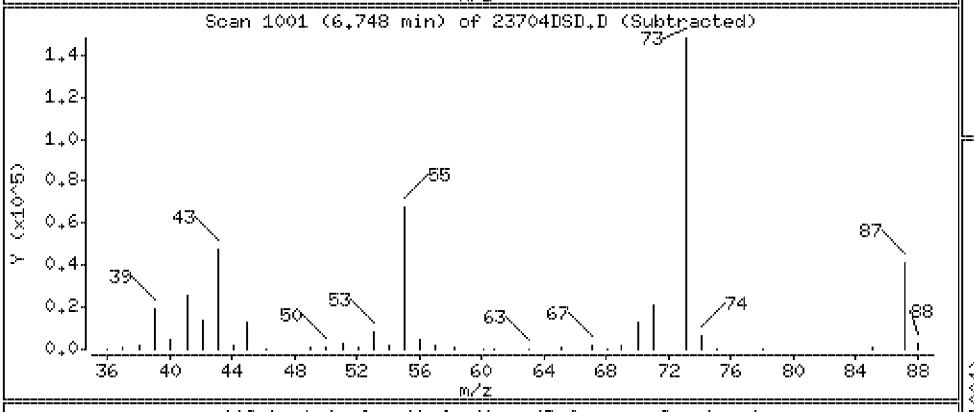
Column phase: RTX-502.2

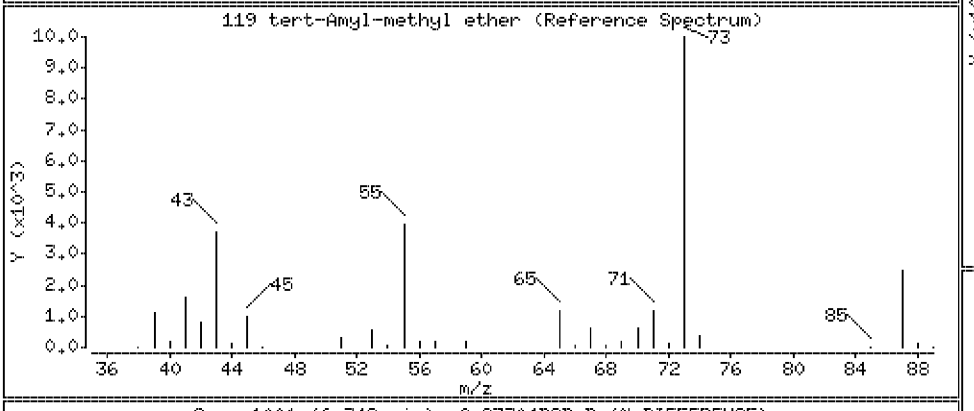
Column diameter: 0.18

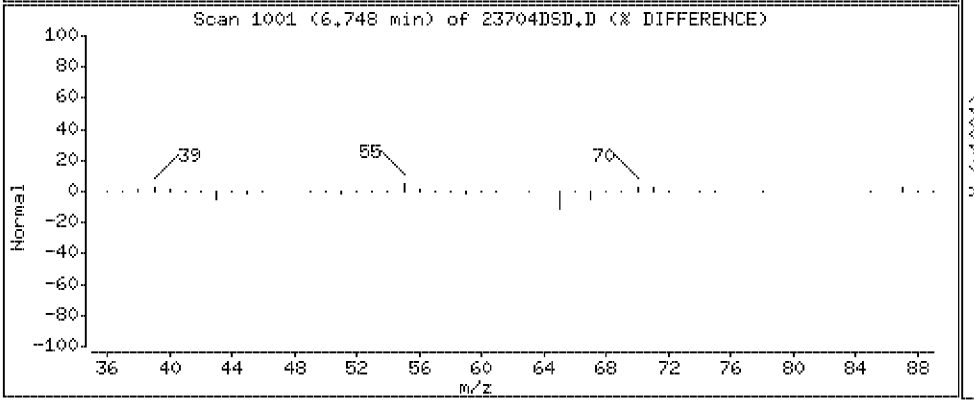
119 tert-Amyl-methyl ether

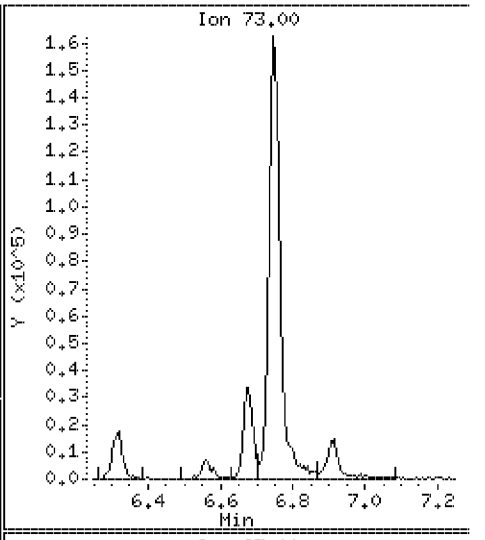
Concentration: 98.5 ug/l

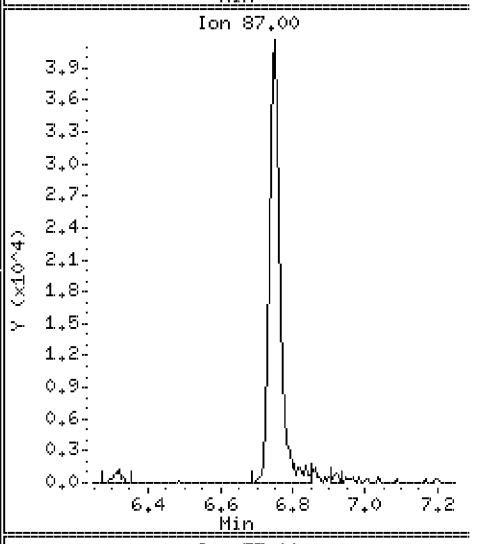


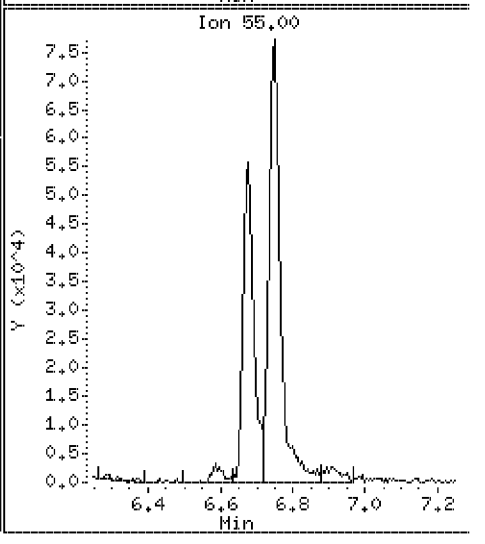












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

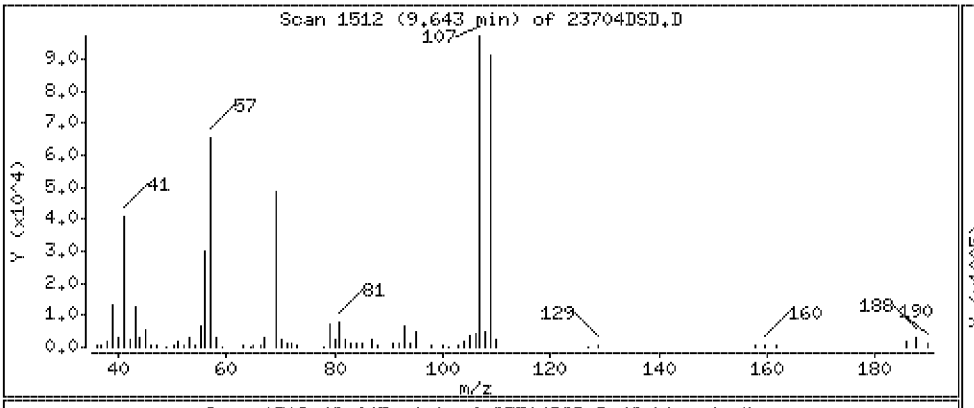
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

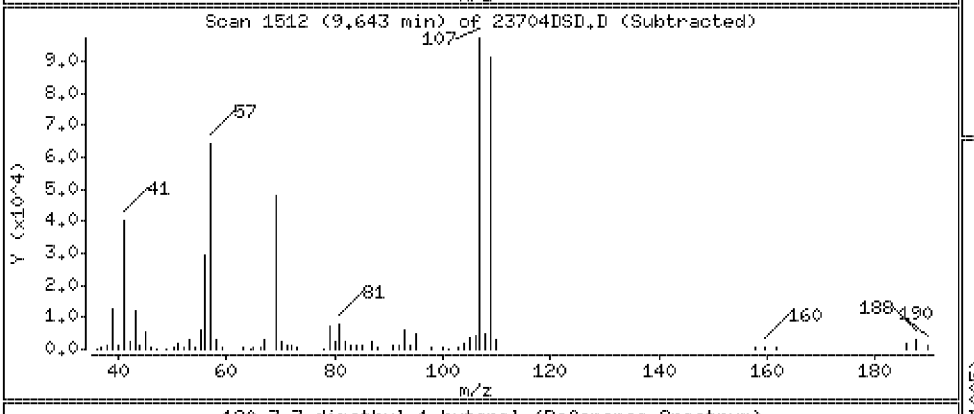
Sample Info: 350023704;3500237;5;

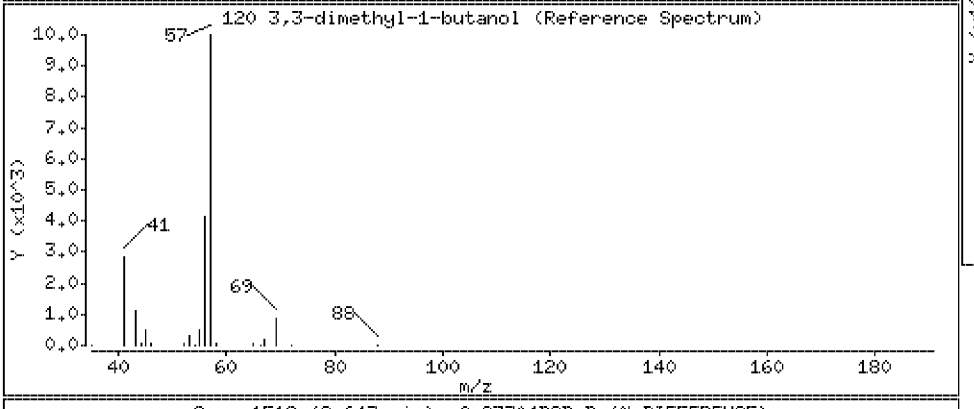
Purge Volume: 5.0 Operator:

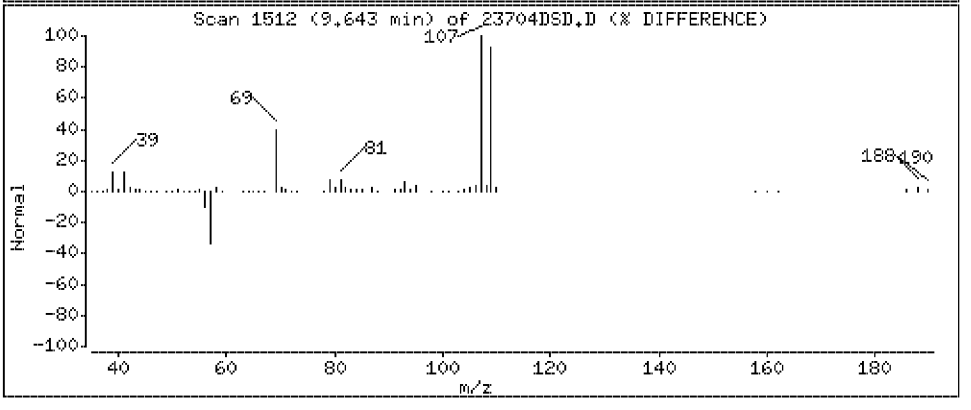
Column phase: RTX-502.2 Column diameter: 0.18

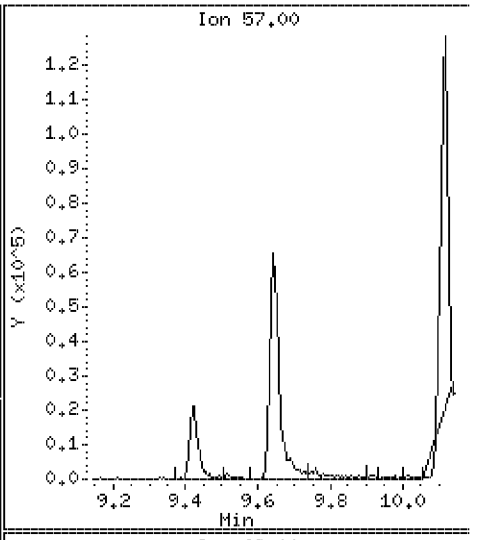
120 3,3-dimethyl-1-butanol Concentration: 1570 ug/l

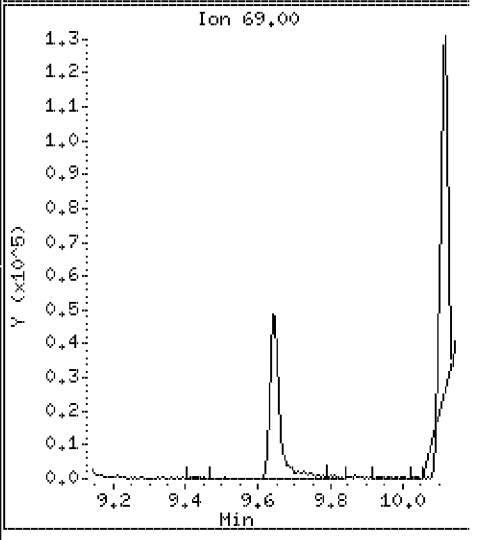












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D
Lab Smp Id: 350023704 Client Smp ID: ST106-MSD-10625-200
Inj Date : 27-JUL-2010 15:40
Operator : Inst ID: vms03.i
Smp Info : 350023704;3500237;5;
Misc Info :
Comment : column DB-624 L: 20m ID: .18mm
Method : \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Meth Date : 30-Jul-2010 11:14 lpelo Quant Type: ISTD
Cal Date : 19-JUL-2010 08:45 Cal File: 200PPT.D
Als bottle: 6 QC Sample: MSD
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				365057	32.6263	163(R)
M 2 Xylenes (Total)	100				1462654	64.2378	321
M 3 Trihalomethanes (Total)	100				898273	80.5640	403
4 Dichlorodifluoromethane	85	1.371	1.368	(0.198)	185322	15.3972	77.0
5 Chloromethane	50	1.516	1.520	(0.219)	196077	17.3008	86.5
6 Vinyl Chloride	62	1.634	1.628	(0.237)	213802	19.1283	95.6
7 Bromomethane	96	1.949	1.949	(0.282)	110009	17.6007	88.0
8 Chloroethane	64	2.069	2.071	(0.300)	128018	17.5481	87.7
9 Trichlorofluoromethane	101	2.327	2.331	(0.337)	325820	19.6966	98.5
10 Acrolein	56	2.767	2.773	(0.400)	23086	26.8077	134(R)
11 1,1,2 Trichlorotrifluoromethan	101	2.945	2.948	(0.426)	156616	17.4147	87.1
12 Acetone	43	2.965	2.967	(0.429)	65111	27.7852	139(R)
13 1,1-Dichloroethene	61	2.907	2.904	(0.421)	250311	17.3782	86.9
109 t-Butyl-Alcohol	59	3.805	3.798	(0.551)	123105	182.272	911
14 Acetonitrile	41	3.345	3.348	(0.484)	333200	165.943	830(q)
15 Iodomethane	142	3.093	3.089	(0.448)	261843	18.6950	93.5
16 Methyl Acetate	43	3.410	3.411	(0.494)	85718	14.0308	70.2
17 Allyl Chloride	41	3.345	3.348	(0.484)	333200	16.8580	84.3
18 Carbon Disulfide	76	3.139	3.138	(0.454)	448634	17.9822	89.9
19 Methylene Chloride	49	3.582	3.586	(0.518)	236410	15.0043	75.0(R)
20 Acrylonitrile	53	3.912	3.916	(0.566)	96174	30.2361	151
21 Methyl-tert-butyl ether	73	3.975	3.975	(0.575)	294630	15.7304	78.6
22 trans 1,2-Dichloroethene	61	3.931	3.932	(0.569)	202825	15.7282	78.6(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	23 1,1-Dichloroethane	63	4.589	4.587	(0.664)	251740	15.6209	78.1(R)
	24 Vinyl Acetate	43	4.745	4.750	(0.687)	464066	15.6151	78.1
	25 Chloroprene	53	4.728	4.731	(0.684)	214398	17.0084	85.0
	26 2-Butanone	43	5.511	5.528	(0.798)	97105	31.3054	156(R)
	27 Propionitrile	54	5.578	5.596	(0.807)	191085	175.231	876
	28 2,2-Dichloropropane	77	5.431	5.430	(0.786)	111814	17.7839	88.9
	29 cis-1,2-Dichloroethene	96	5.445	5.453	(0.788)	162232	16.8981	84.5(R)
	30 Methyacrylonitrile	67	5.779	5.782	(0.836)	676663	209.877	1050
	31 Isobutyl Alcohol	43	5.976	5.977	(0.865)	51805	181.482	907(QR)
	32 Chloroform	83	5.901	5.907	(0.854)	344295	21.1335	106
	33 Bromochloromethane	49	5.761	5.764	(0.834)	188108	20.8103	104
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.103	6.104	(0.883)	527428	54.8686	54.9
	35 1,1,1-Trichloroethane	97	6.096	6.103	(0.882)	264629	22.0127	110
	36 Cyclohexane	56	6.157	6.158	(0.891)	307362	20.7997	104(q)
	37 1,1-Dichloropropene	75	6.315	6.311	(0.914)	259563	21.5645	108
	38 Carbon tetrachloride	117	6.304	6.302	(0.912)	231086	19.2163	96.1
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.501	6.505	(0.941)	126375	56.0412	56.0(Q)
	40 1,2-Dichloroethane	62	6.595	6.592	(0.954)	263647	20.6130	103
	41 Benzene	78	6.560	6.555	(0.949)	797670	22.9099	114
*	42 FLUOROBENZENE (IS)	96	6.909	6.909	(1.000)	1654144	50.0000	
	43 Trichloroethylene	130	7.332	7.327	(1.061)	203257	21.7978	109
	44 Methyl Cyclohexane	55	7.533	7.530	(1.090)	177244	21.5358	108
	45 1,2-Dichloropropane	63	7.574	7.576	(1.096)	212432	22.3882	112
	46 Methyl Methacrylate	69	7.759	7.762	(1.123)	107825	19.3027	96.5
	47 Bromodichloromethane	83	7.892	7.891	(1.142)	263825	20.8930	104
	48 1,4 Dioxane	88	7.753	7.764	(1.122)	26788	401.962	2010(q)
	49 Dibromomethane	93	7.698	7.695	(1.114)	122242	21.3073	106
	50 4-Methyl-2-Pentanone	58	8.560	8.563	(1.239)	105905	41.3714	207(Q)
	51 2-Hexanone	43	9.422	9.425	(0.931)	179721	37.8184	189
	52 cis 1,3-Dichloropropene	75	8.376	8.382	(1.212)	280096	21.3345	107
$	53 TOLUENE d8 (surr)	98	8.651	8.651	(1.252)	2031743	55.4209	55.4
	54 Toluene	92	8.719	8.718	(1.262)	797247	36.8897	184(R)
	55 trans 1,3-Dichloropropene	75	8.962	8.964	(1.297)	217352	18.3235	91.6
	56 Ethyl Methacrylate	69	9.085	9.087	(1.315)	198426	19.3034	96.5
	57 1,1,2-Trichloroethane	97	9.146	9.145	(1.324)	166285	21.1080	106
	58 1,3-Dichloropropane	76	9.312	9.311	(0.920)	298668	20.4994	102
	59 Tetrachloroethylene	164	9.280	9.287	(0.917)	152279	20.6164	103
	60 Dibromochloromethane	129	9.539	9.546	(0.942)	186902	19.8644	99.3
	61 1,2-Dibromoethane	107	9.643	9.641	(0.953)	170727	19.9695	99.8
	62 1-Chlorohexane	91	10.147	10.147	(1.002)	229359	19.7523	98.8(Q)
*	63 CHLOROBENZENE d5 (IS)	117	10.122	10.121	(1.000)	1515690	50.0000	
	64 Chlorobenzene	112	10.150	10.150	(1.003)	567125	20.8778	104(Q)
	65 1,1,1,2-Tetrachloroethane	131	10.240	10.235	(1.012)	181425	19.6316	98.2(Q)
	66 Ethylbenzene	106	10.272	10.270	(1.015)	297041	20.9291	105
	67 p,m-Xylene	106	10.393	10.393	(1.027)	734036	43.2255	216
	68 o-Xylene	91	10.788	10.787	(1.066)	728618	21.0123	105
	69 Styrene	104	10.802	10.803	(1.067)	602662	21.6690	108
	70 Bromoform	173	10.976	10.981	(1.084)	103251	18.6730	93.4
	71 1-Methylethylbenzene	105	11.163	11.165	(0.896)	802826	20.3716	102
	72 1,4-Dichloro-2-Butene	53	11.230	11.227	(0.901)	38594	31.2183	156(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.462	11.462	(0.919)	215242	18.9021	94.5(Q)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.308	11.308	(0.907)	732367	49.2490	49.2
	75 1,2,3- trichloropropane	110	11.501	11.500	(0.923)	62319	19.1124	95.6(Q)
	76 n-Propylbenzene	91	11.575	11.579	(0.929)	968507	20.7684	104

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	11.452	11.453	(0.919)	361564	19.6759	98.4
78 1,3,5-Trimethylbenzene	105	11.756	11.755	(0.943)	712487	20.8533	104
79 2-Chlorotoluene	91	11.653	11.652	(0.935)	632857	20.4083	102
80 4-Chlorotoluene	91	11.762	11.762	(0.944)	731478	20.4213	102
81 tert-Butylbenzene	119	12.079	12.077	(0.969)	545415	20.2986	101
82 1,2,4-trimethylbenzene	105	12.128	12.129	(0.973)	753724	20.6412	103
123 1,2,3-Trimethylbenzene	105	12.548	12.547	(1.007)	878390	22.2841	111
83 sec-Butylbenzene	105	12.300	12.301	(0.987)	778282	20.7683	104
84 p-Isopropyltoluene	119	12.449	12.450	(0.999)	679577	20.8749	104
85 1,3-Dichlorobenzene	146	12.399	12.400	(0.995)	424885	20.3236	102
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.466	12.466	(1.000)	882942	50.0000	
87 1,4-Dichlorobenzene	146	12.489	12.488	(1.002)	453607	20.4336	102(Q)
88 Benzyl Chloride	91	12.629	12.627	(1.013)	160610	15.2186	76.1
89 n-Butylbenzene	91	12.858	12.859	(1.031)	573965	20.9040	104
90 1,2-Dichlorobenzene	146	12.860	12.855	(1.032)	412182	20.4681	102
91 1,2-dibromo-3-chloropropane	75	13.637	13.639	(1.094)	28859	16.6118	83.0(q)
92 1,2,4-Trichlorobenzene	180	14.400	14.402	(1.155)	215970	20.1718	101
93 Hexachlorobutadiene	223	14.539	14.540	(1.166)	55106	20.9436	105(Q)
94 Naphthalene	128	14.588	14.589	(1.170)	484310	17.3681	86.8
95 1,2,3-trichlorobenzene	180	14.766	14.765	(1.185)	192254	18.9892	94.9
103 Isopropyl Ether	45	4.774	4.780	(0.691)	434776	15.4537	77.3
104 Ethyl acetate	43	5.633	5.639	(0.815)	237708	35.0742	175(Q)
105 Cyclohexanone	55	11.243	11.244	(1.111)	39389	118.944	595(R)
106 Ethyl ether	59	2.630	2.635	(0.381)	114133	16.2924	81.5
107 2-Nitropropane	43	8.145	8.148	(1.179)	61275	32.8580	164
108 Tetrahydrofuran	42	5.835	5.855	(0.845)	86167	42.9054	214
110 Chlorotrifluoroethylene	116	1.323	1.328	(0.192)	13221	10.2481	51.2(R)
111 Isobutene	41	1.583	1.601	(0.229)	80216	250.439	1250(A)
112 Ethanol	45	2.550	2.547	(0.369)	37765	1560.22	7800(Q)
113 2-chloro-1,1,1-trifluoroethan	118	1.743	1.745	(0.252)	261461	22.3249	112
114 Bromoethane	108	3.157	3.158	(0.457)	117491	18.2919	91.4
115 n-Hexane	57	4.389	4.393	(0.635)	125088	14.6451	73.2(R)
116 tert-Butyl ethyl ether	59	5.306	5.305	(0.768)	306016	15.9646	79.8
117 t-butyl formate	59	5.977	5.977	(0.865)	328019	199.204	996(R)
118 tert-Amyl alcohol	59	6.676	6.680	(0.966)	139616	331.888	1660(Q)
119 tert-Amyl-methyl ether	73	6.747	6.749	(0.977)	376720	19.6935	98.5
120 3,3-dimethyl-1-butanol	57	9.643	9.644	(1.396)	128542	314.131	1570

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 23704DSD.D
Lab Smp Id: 350023704
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3072710N.b\8260NC.m
Misc Info:

Calibration Date: 19-JUL-2010
Calibration Time: 11:32
Client Smp ID: ST106-MSD-10625
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1599057	799529	3198114	1654144	3.44
63 CHLOROBENZENE d5	1329024	664512	2658048	1515690	14.05
86 1,4-DICHLOROBENZE	751249	375625	1502498	882942	17.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	6.91	6.41	7.41	6.91	0.00
63 CHLOROBENZENE d5	10.12	9.62	10.62	10.12	0.01
86 1,4-DICHLOROBENZE	12.47	11.97	12.97	12.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

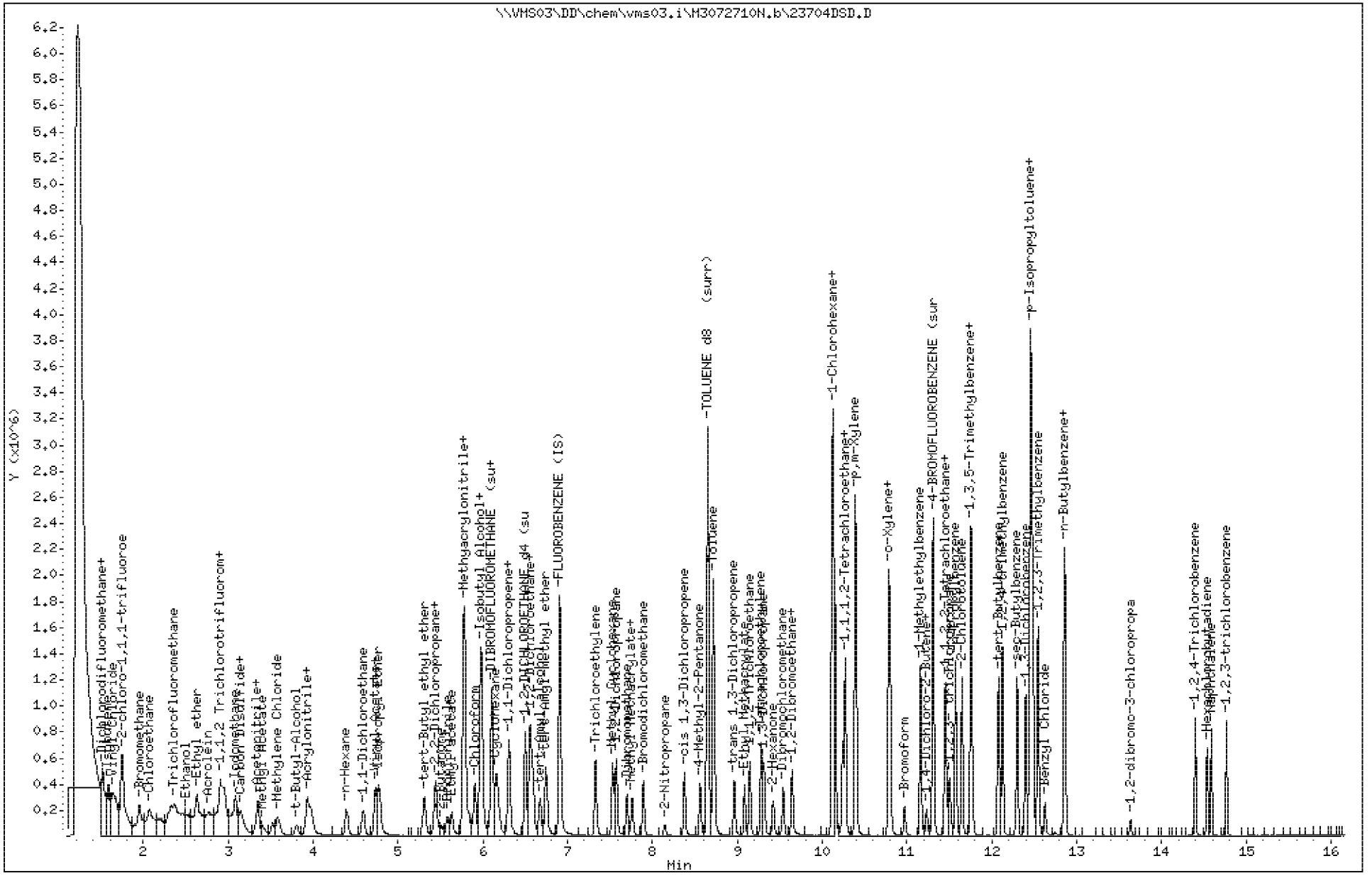
Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

Operator:

Column phase: RTX-502.2

Column diameter: 0.18



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Date : 27-JUL-2010 15:40

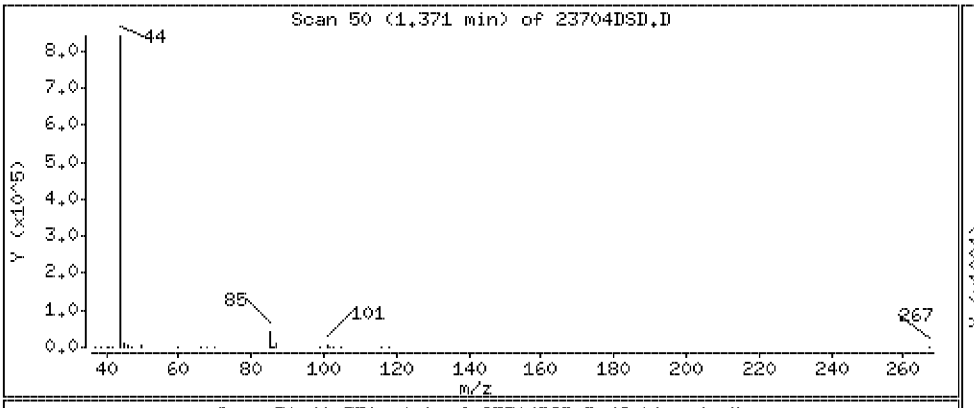
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

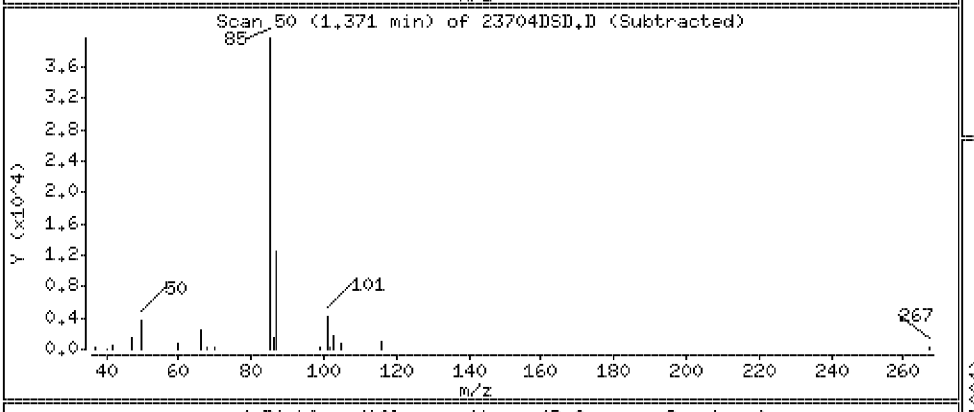
Sample Info: 350023704;3500237;5;

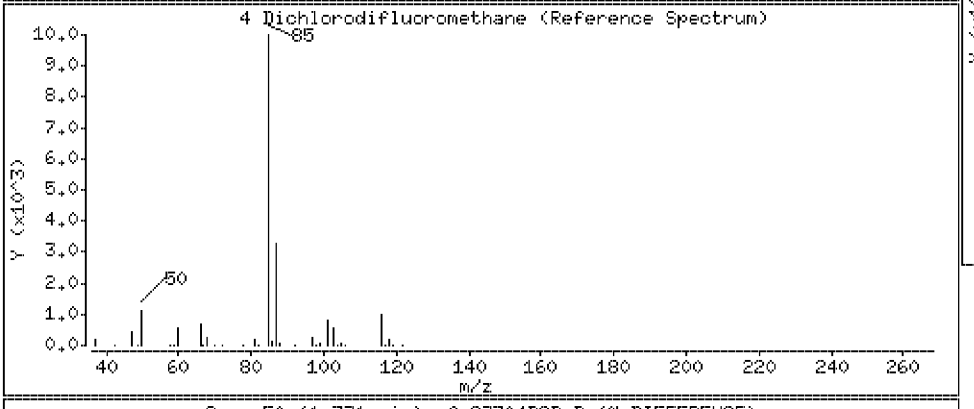
Purge Volume: 5.0 Operator:

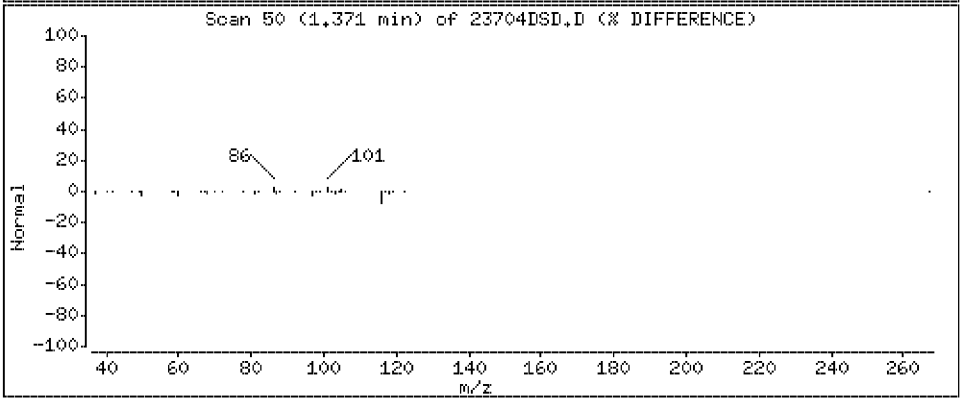
Column phase: RTX-502.2 Column diameter: 0.18

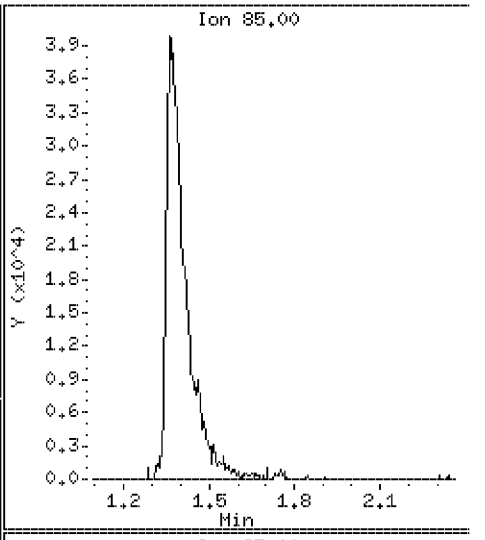
4 Dichlorodifluoromethane Concentration: 77.0 ug/l

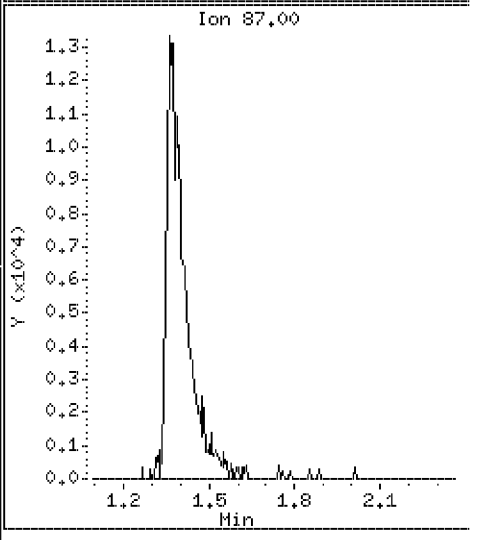












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Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

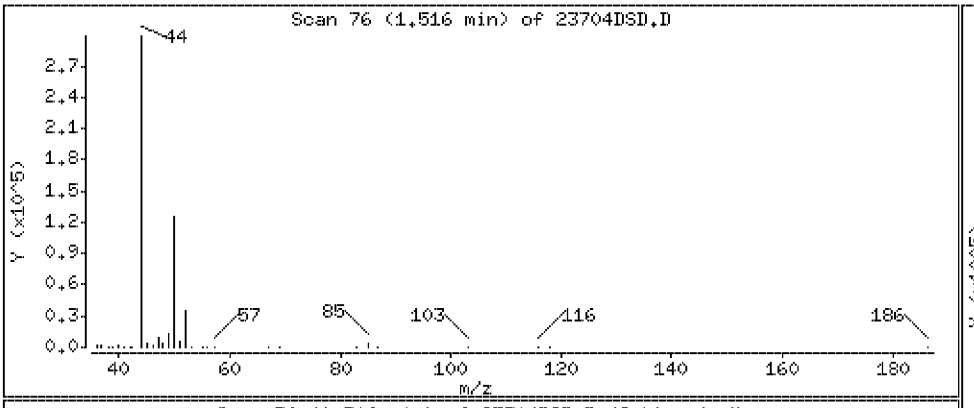
Operator:

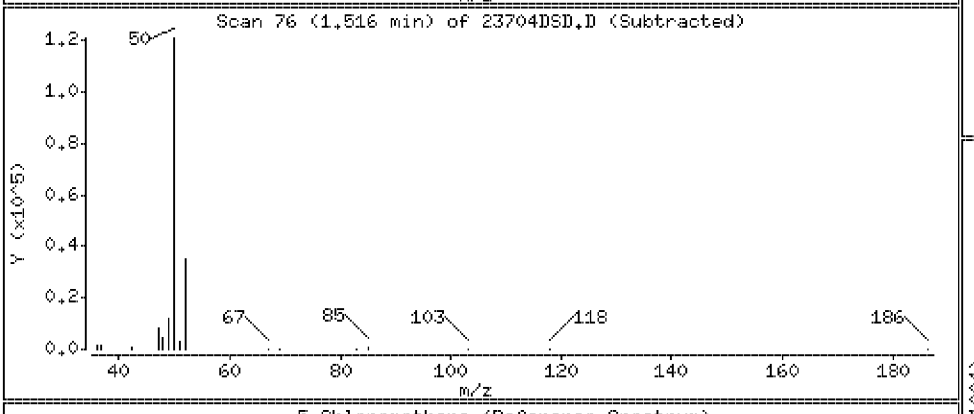
Column phase: RTX-502.2

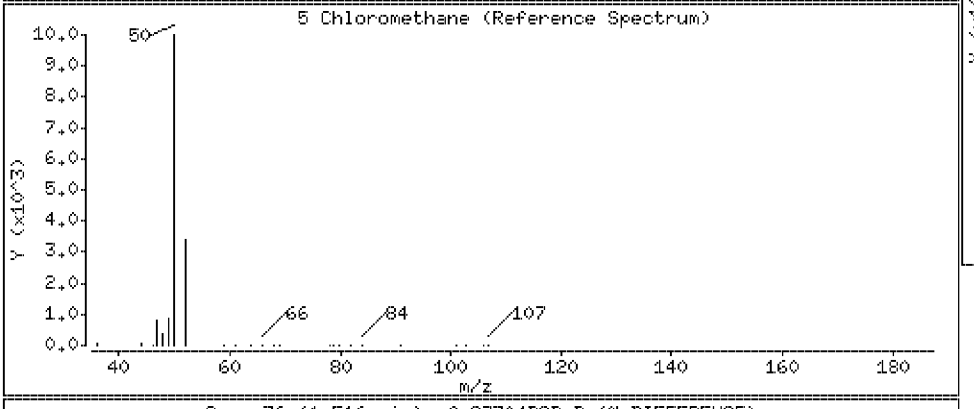
Column diameter: 0.18

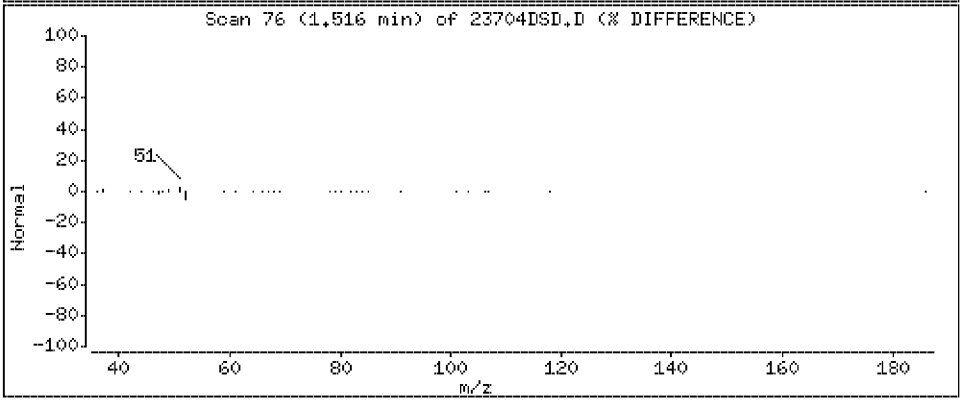
5 Chloromethane

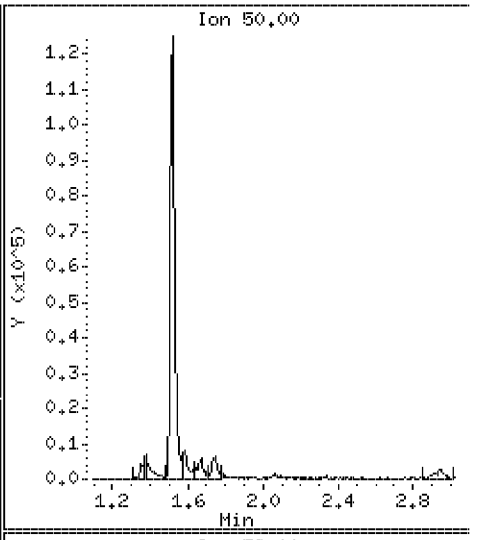
Concentration: 86.5 ug/l

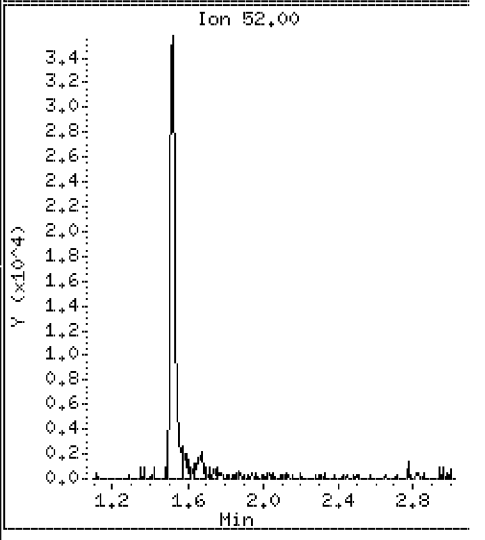












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Date : 27-JUL-2010 15:40

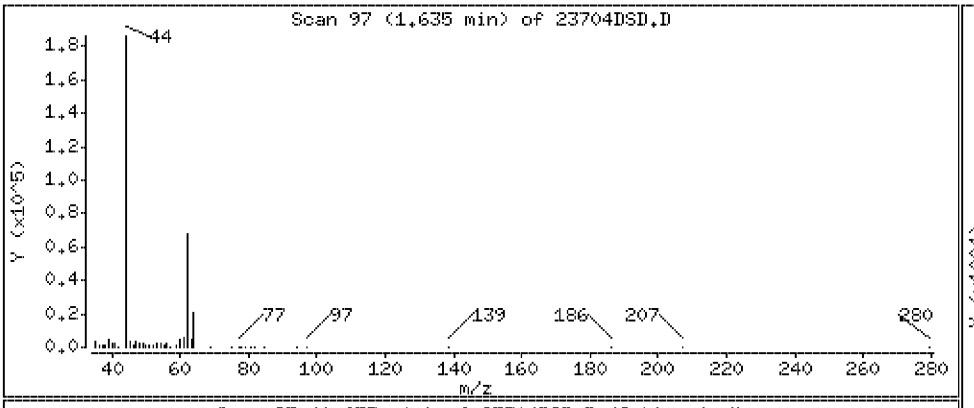
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

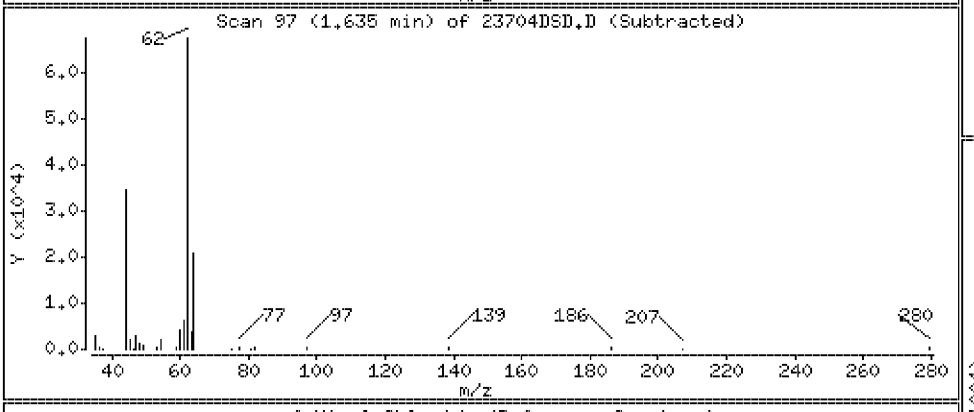
Sample Info: 350023704;3500237;5;

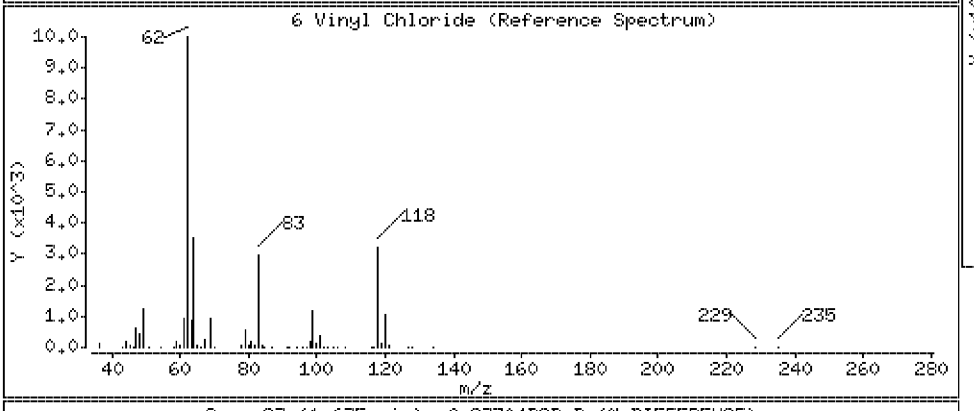
Purge Volume: 5.0 Operator:

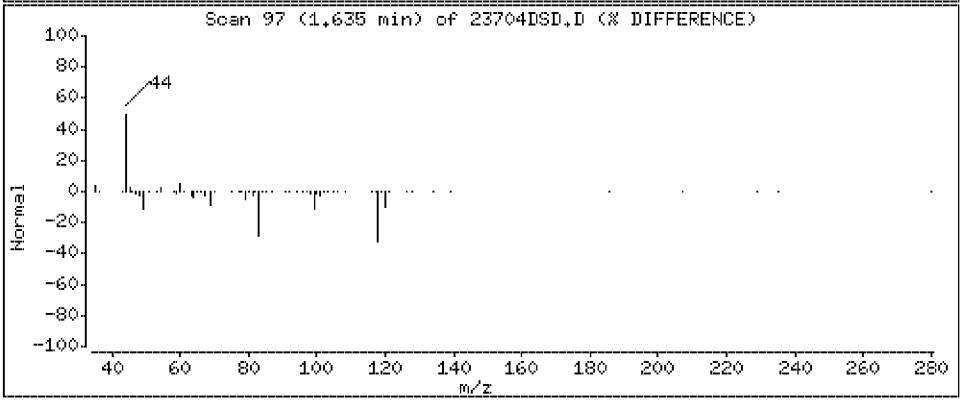
Column phase: RTX-502.2 Column diameter: 0.18

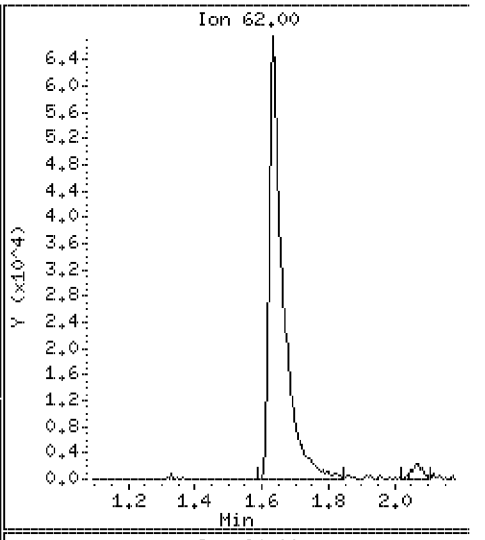
6 Vinyl Chloride Concentration: 95.6 ug/l

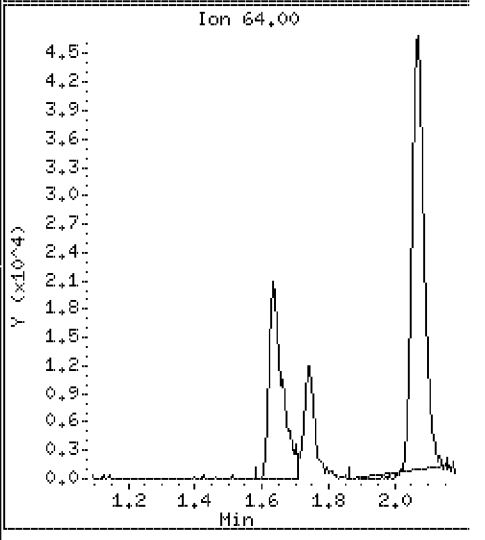












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

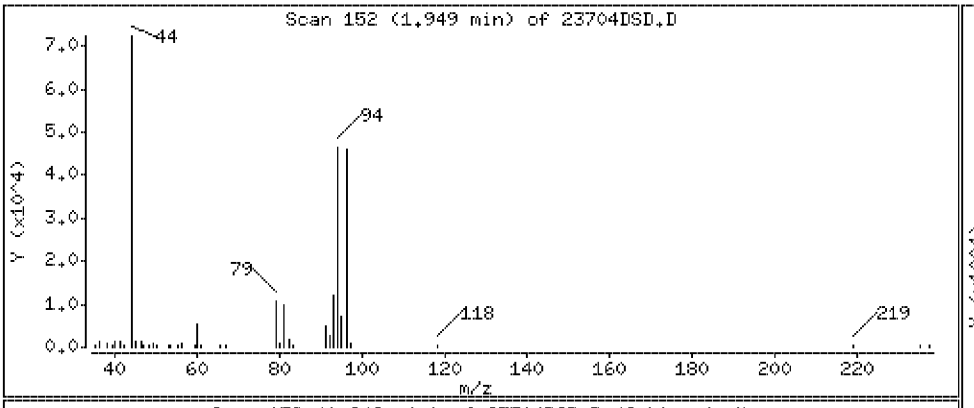
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

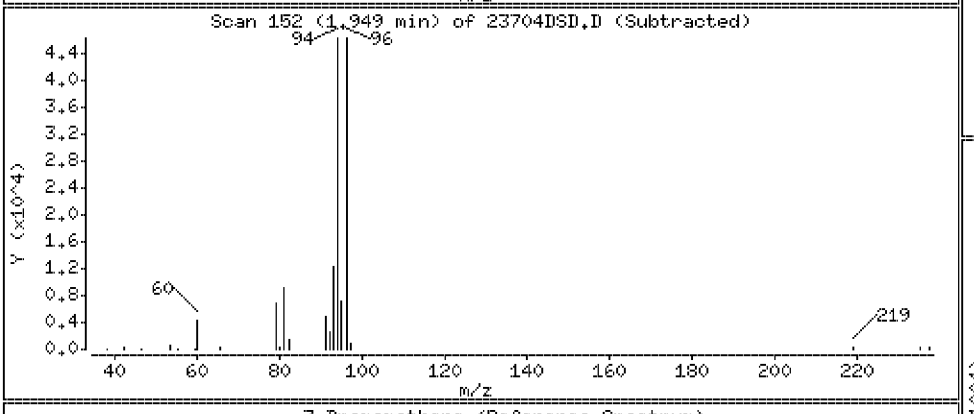
Sample Info: 350023704;3500237;5;

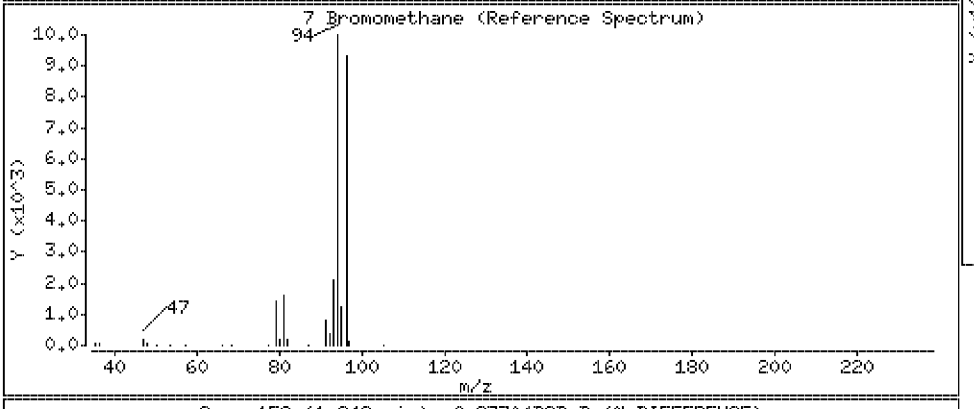
Purge Volume: 5.0 Operator:

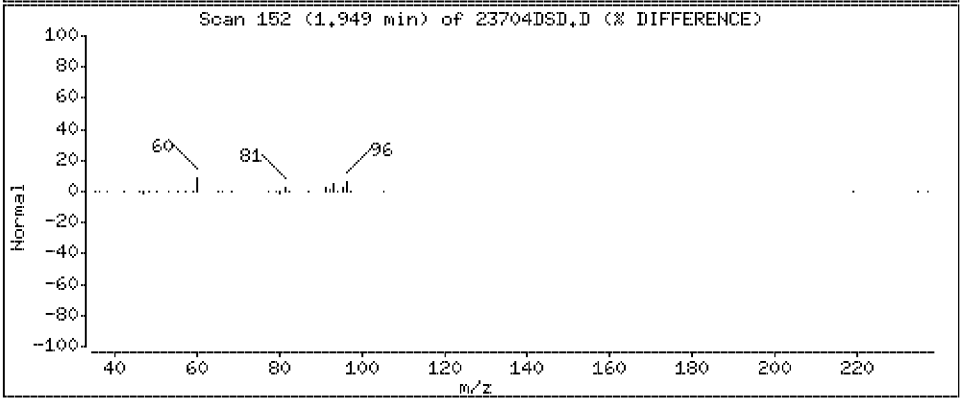
Column phase: RTX-502.2 Column diameter: 0.18

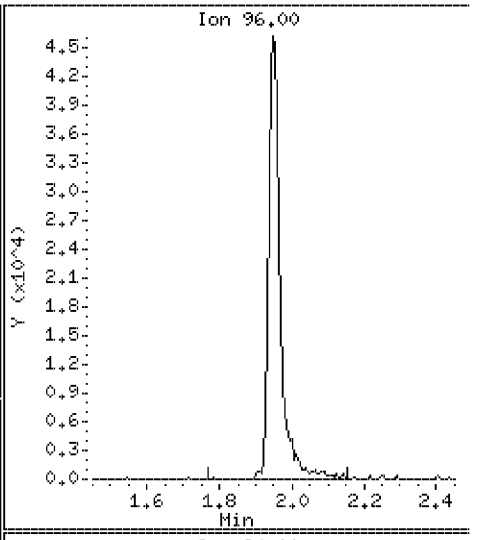
7 Bromomethane Concentration: 88.0 ug/l

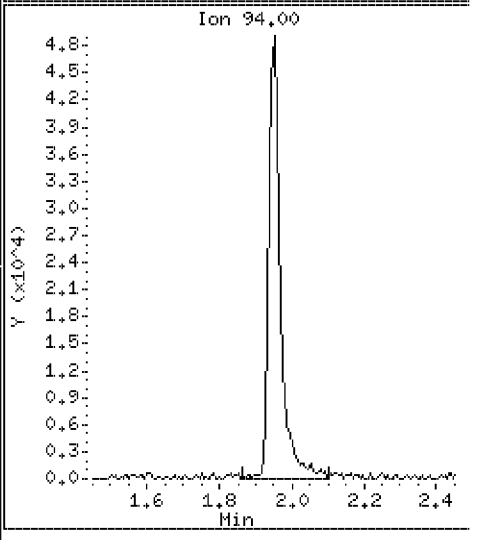












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

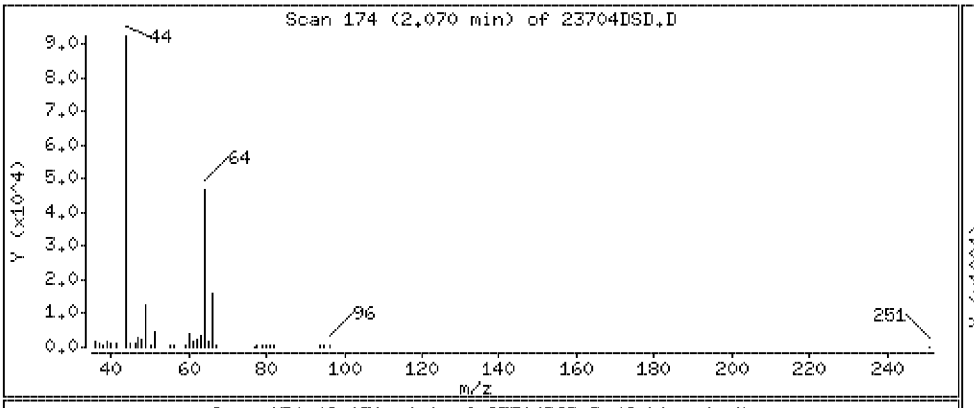
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

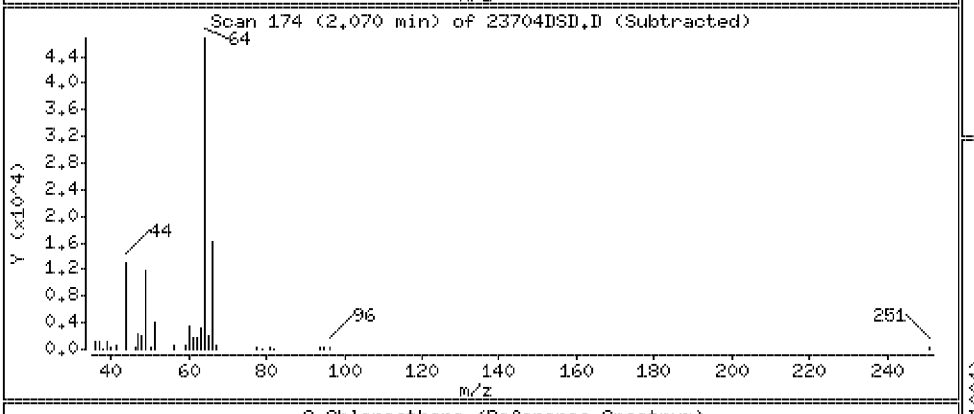
Sample Info: 350023704;3500237;5;

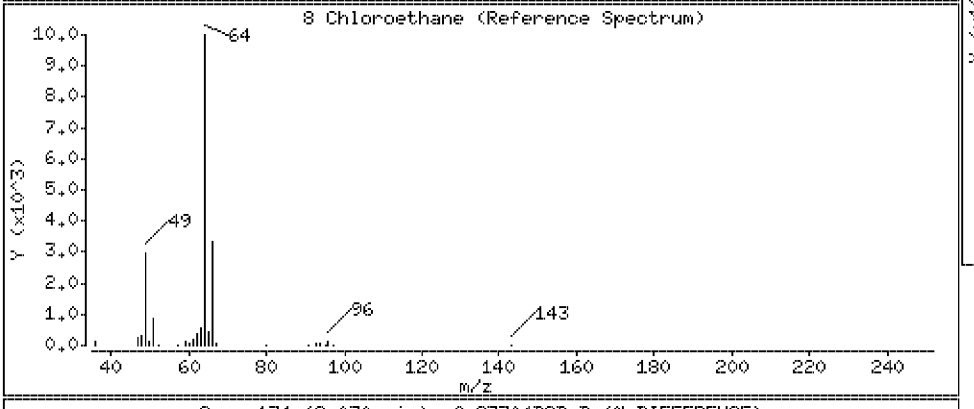
Purge Volume: 5.0 Operator:

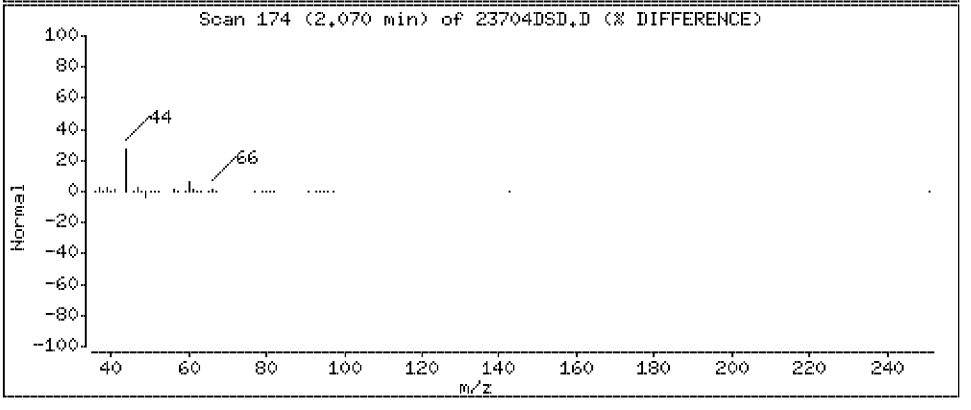
Column phase: RTX-502.2 Column diameter: 0.18

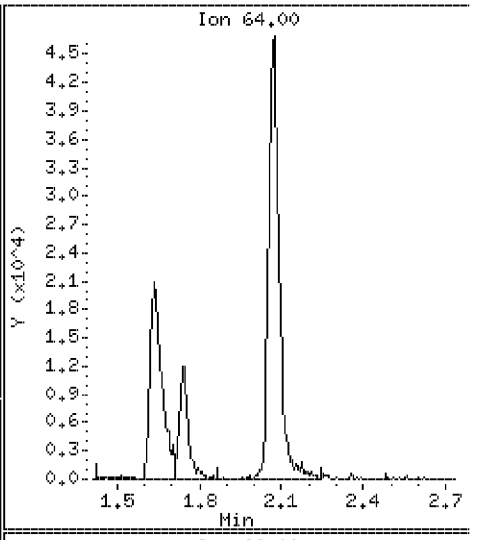
8 Chloroethane Concentration: 87.7 ug/l

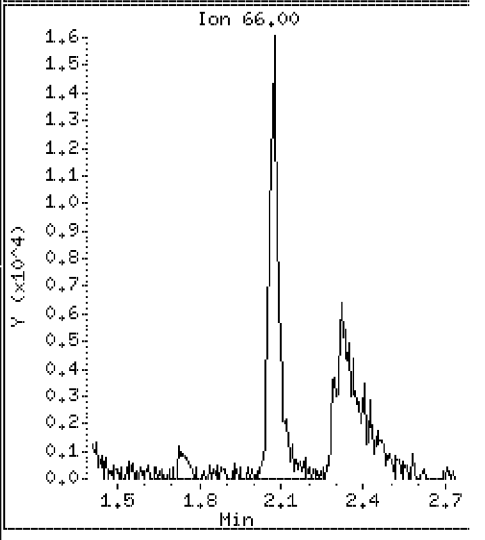












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

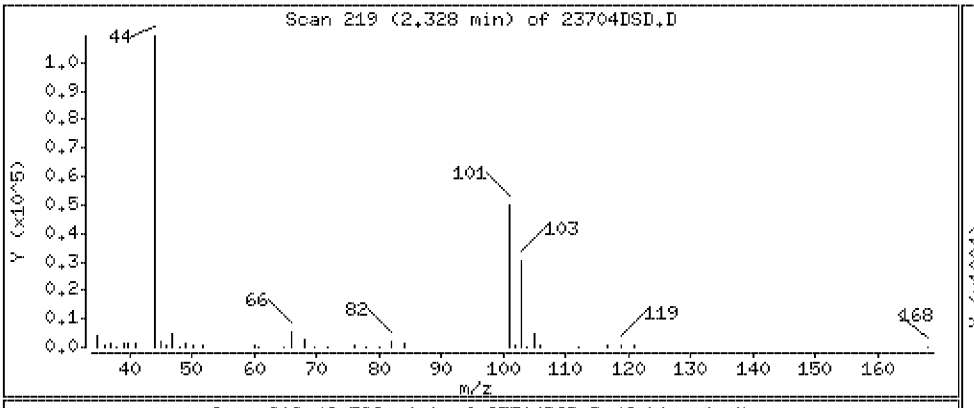
Operator:

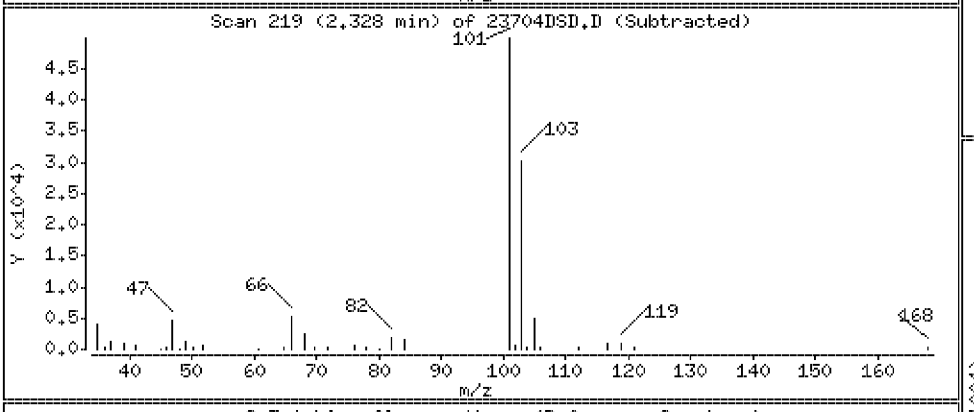
Column phase: RTX-502.2

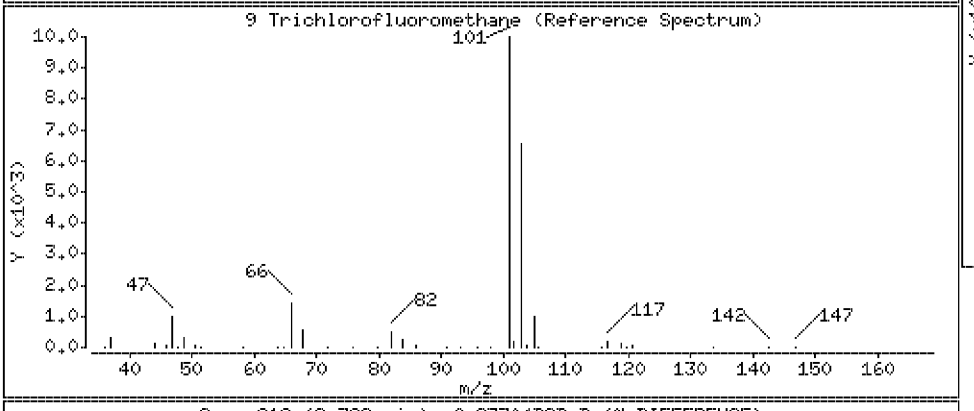
Column diameter: 0.18

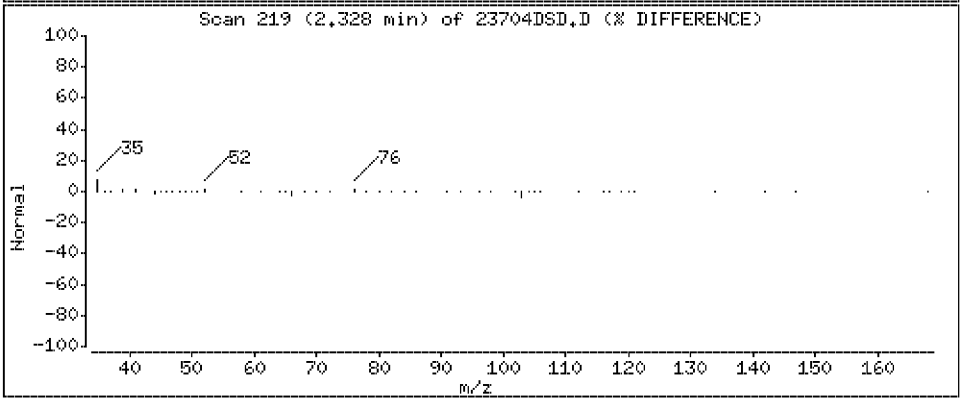
9 Trichlorofluoromethane

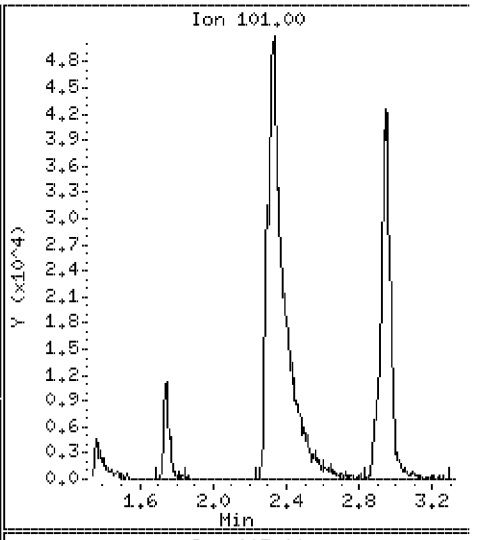
Concentration: 98.5 ug/l

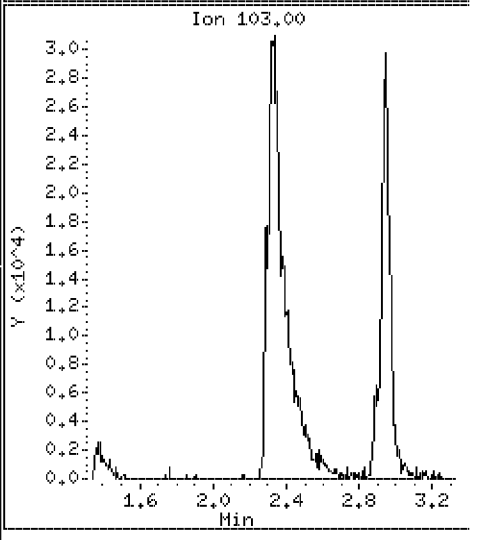












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Date : 27-JUL-2010 15:40

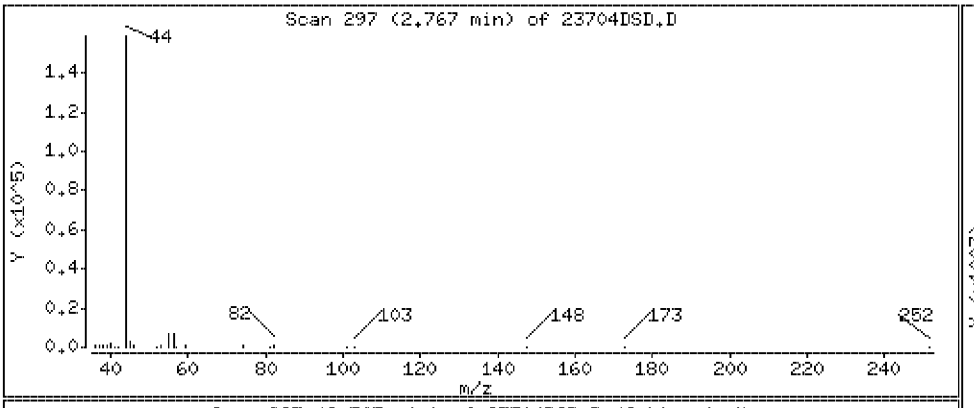
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

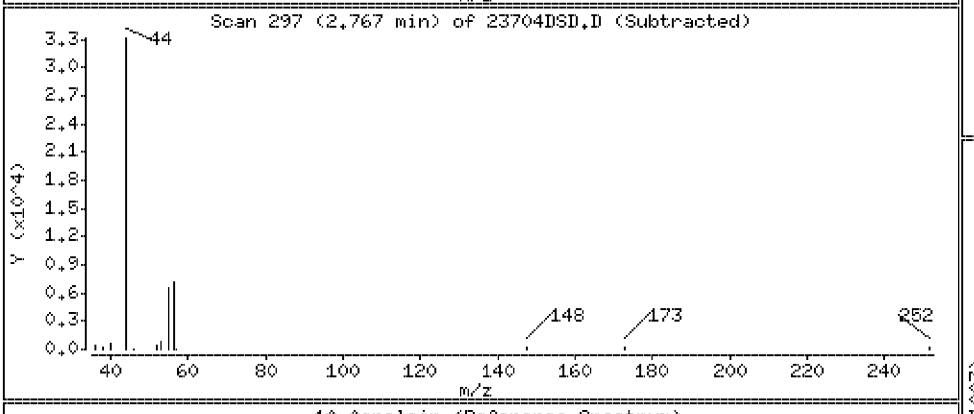
Sample Info: 350023704;3500237;5;

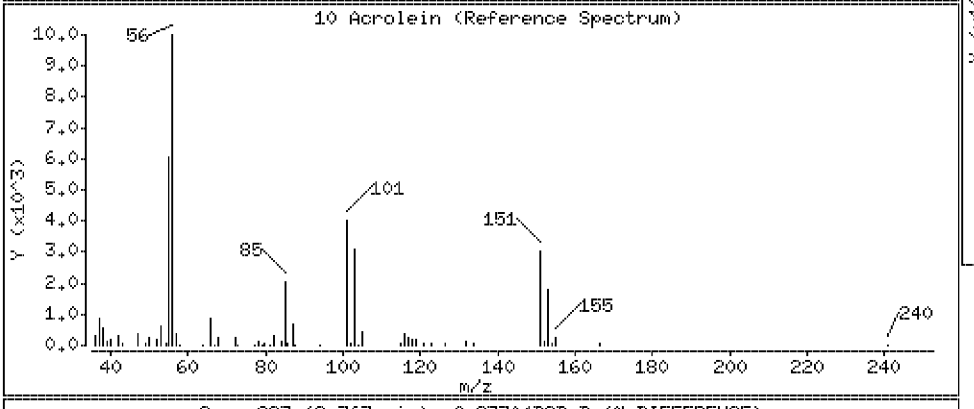
Purge Volume: 5.0 Operator:

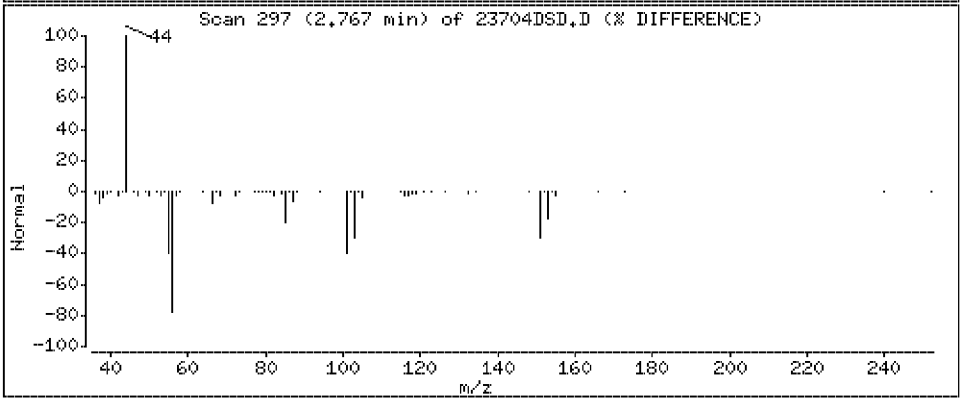
Column phase: RTX-502.2 Column diameter: 0.18

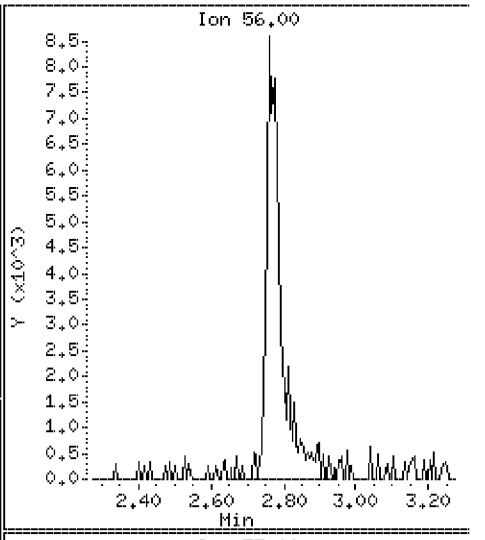
10 Acrolein Concentration: 134 ug/l

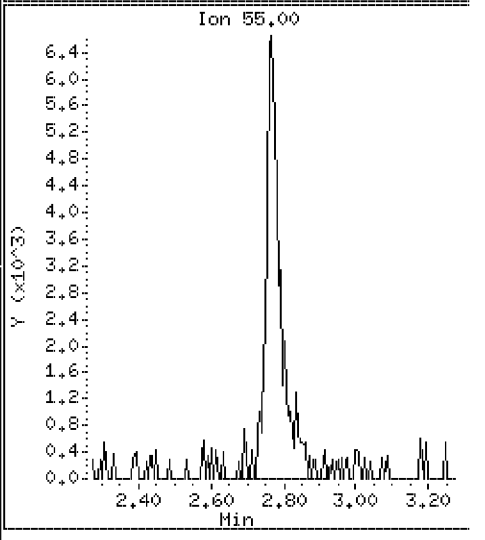












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Date : 27-JUL-2010 15:40

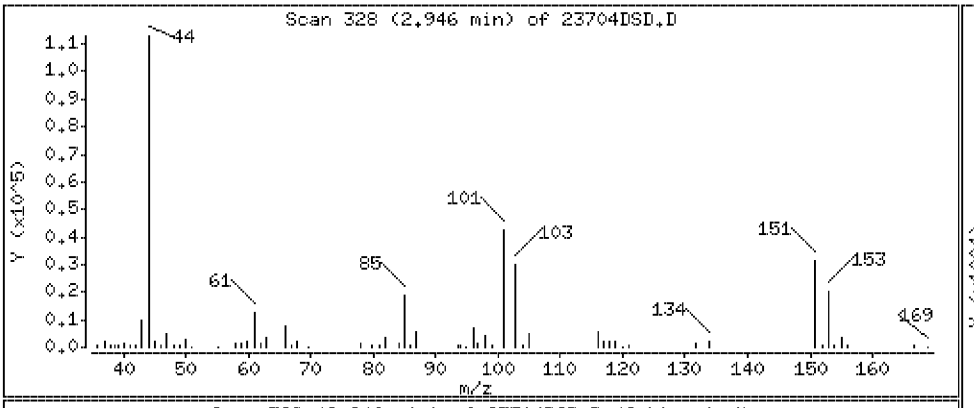
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

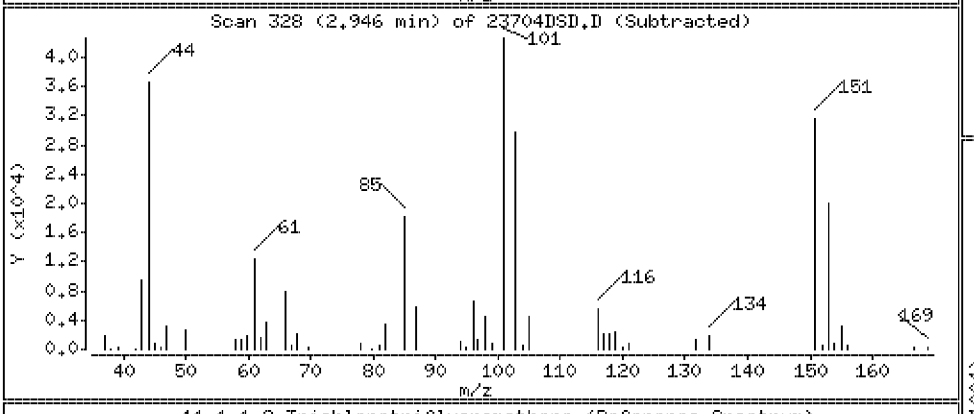
Sample Info: 350023704;3500237;5;

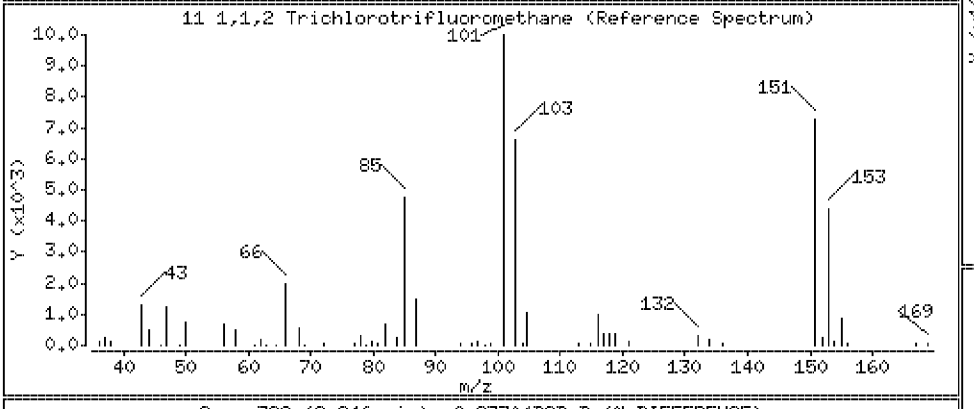
Purge Volume: 5.0 Operator:

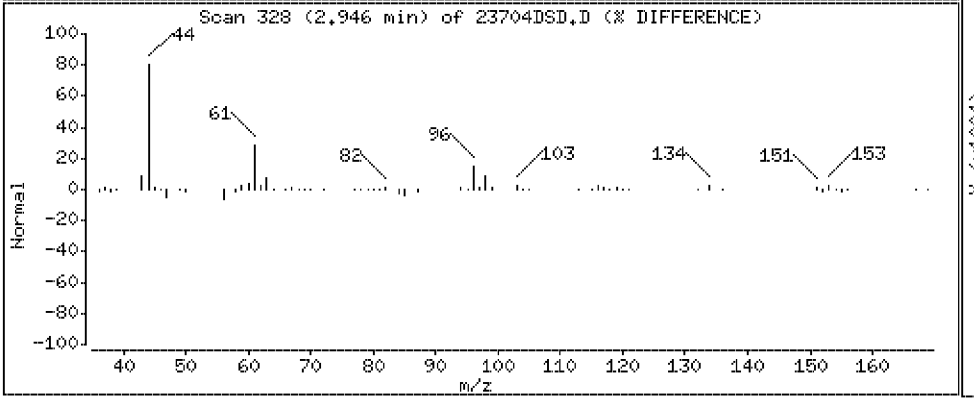
Column phase: RTX-502.2 Column diameter: 0.18

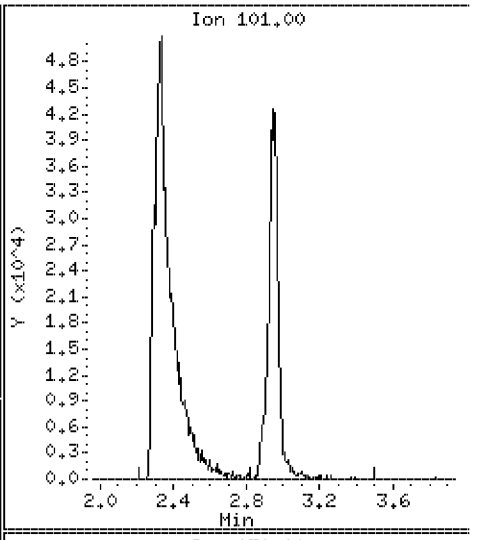
11 1,1,2 Trichlorotrifluoromethane Concentration: 87.1 ug/l

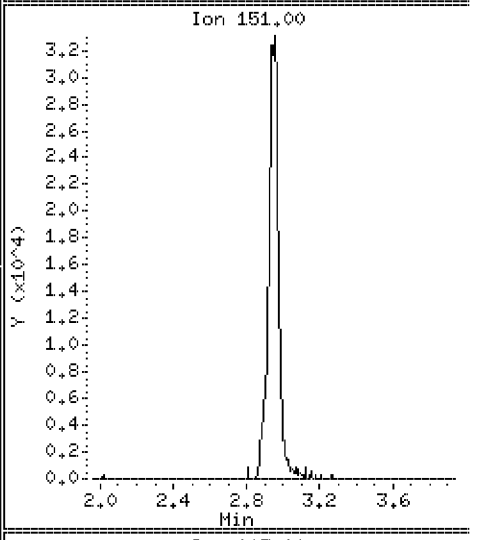


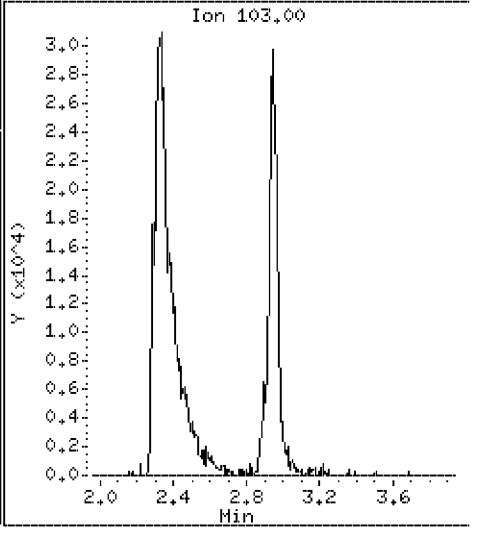












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

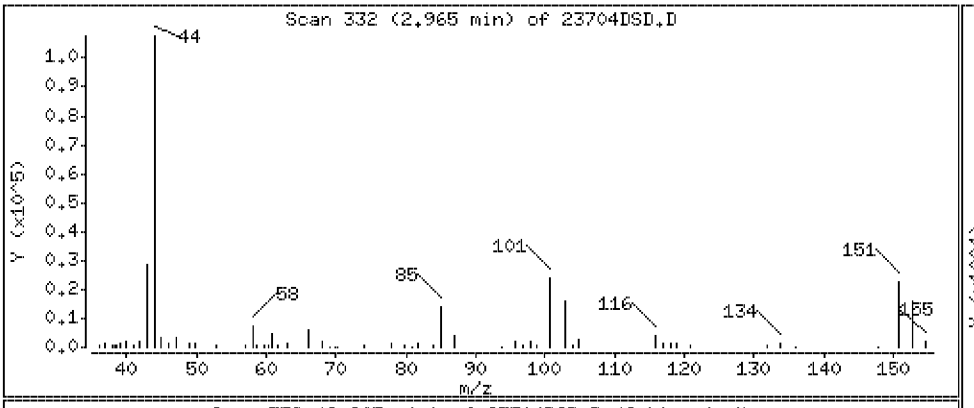
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

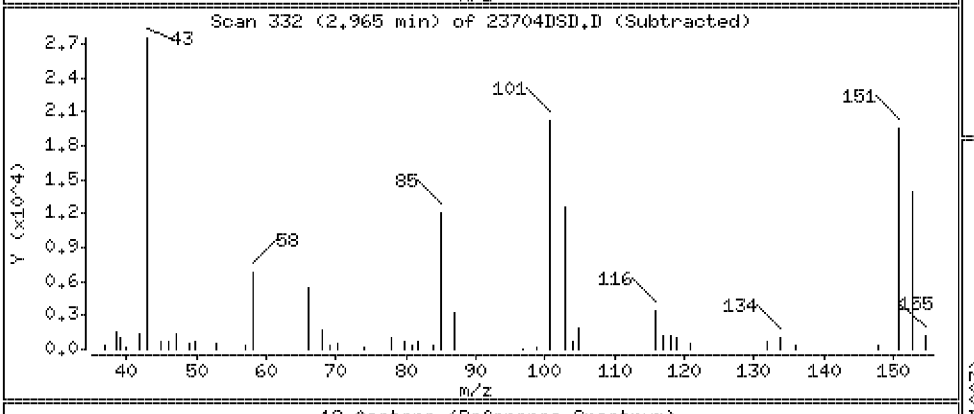
Sample Info: 350023704;3500237;5;

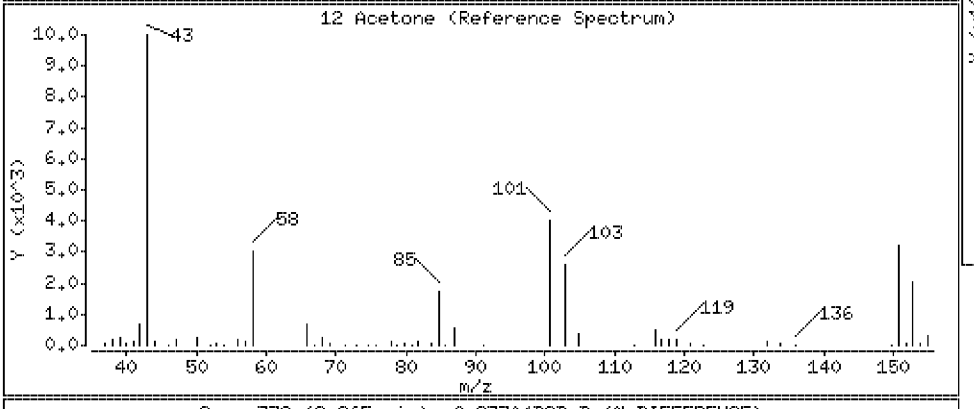
Purge Volume: 5.0 Operator:

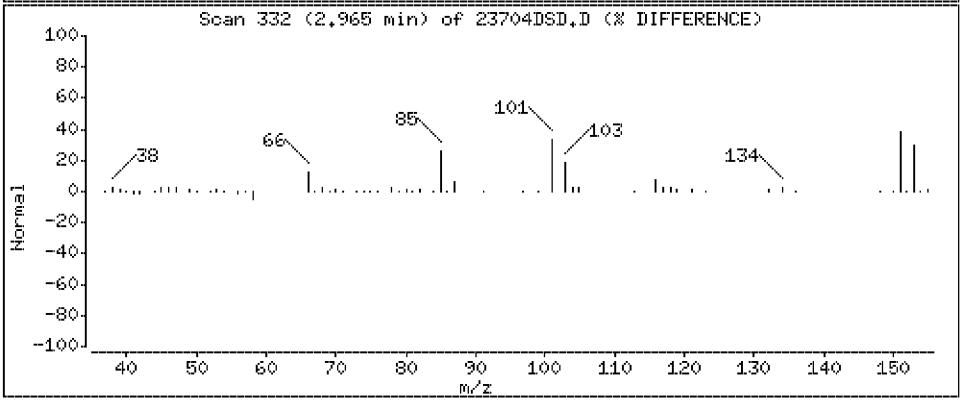
Column phase: RTX-502.2 Column diameter: 0.18

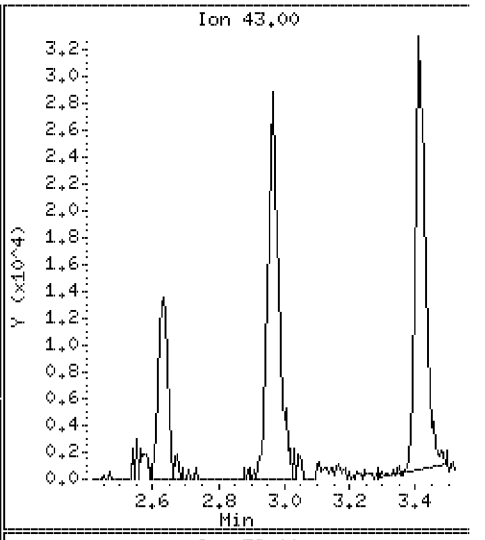
12 Acetone Concentration: 139 ug/l

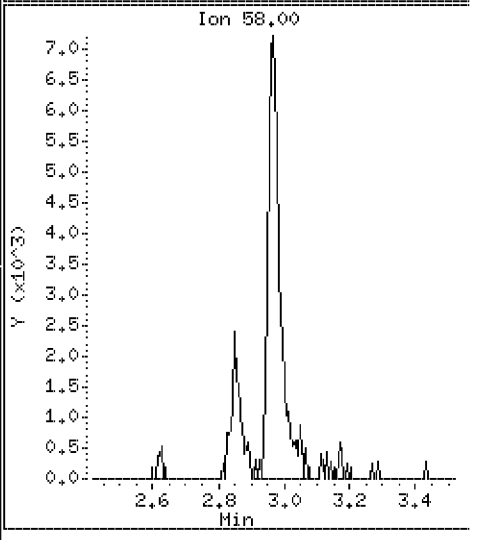












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

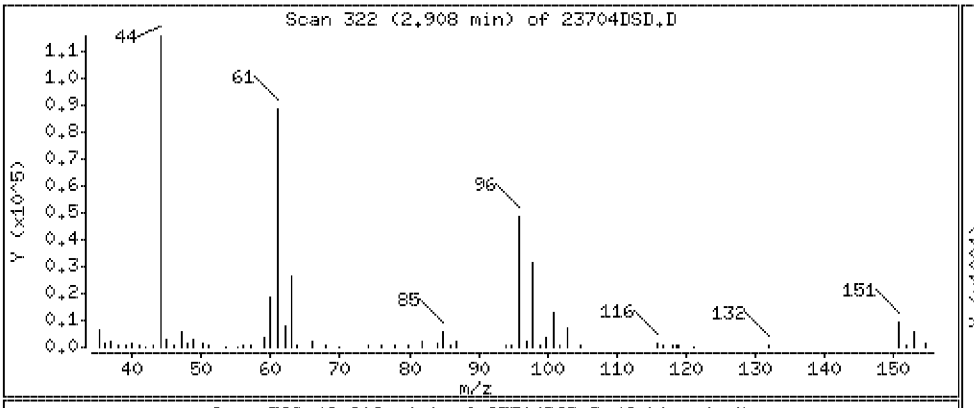
Operator:

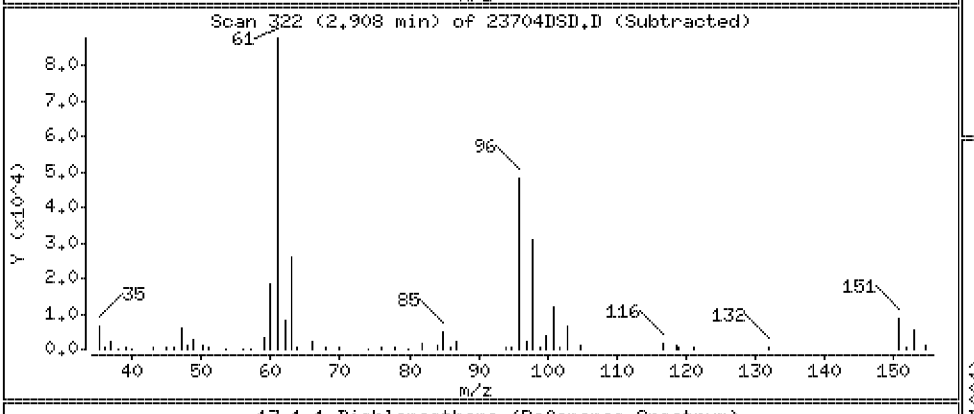
Column phase: RTX-502.2

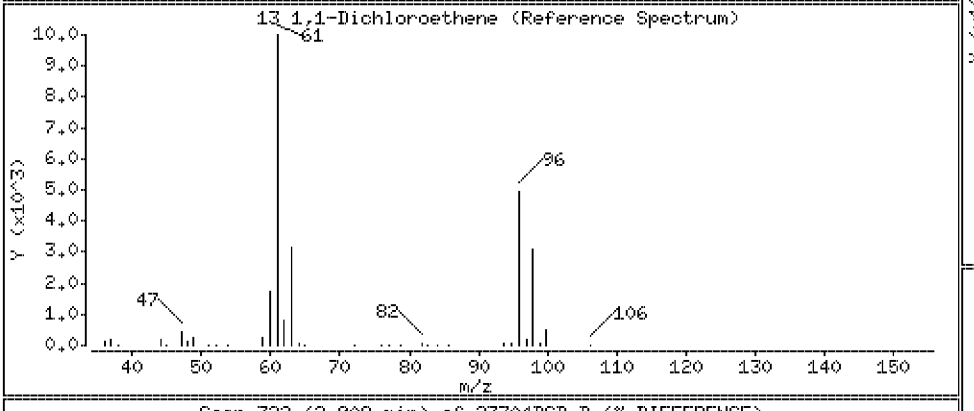
Column diameter: 0.18

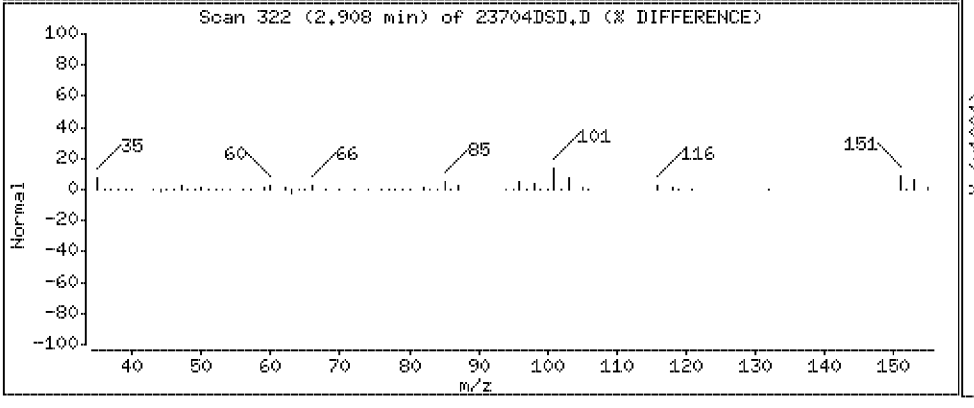
13 1,1-Dichloroethene

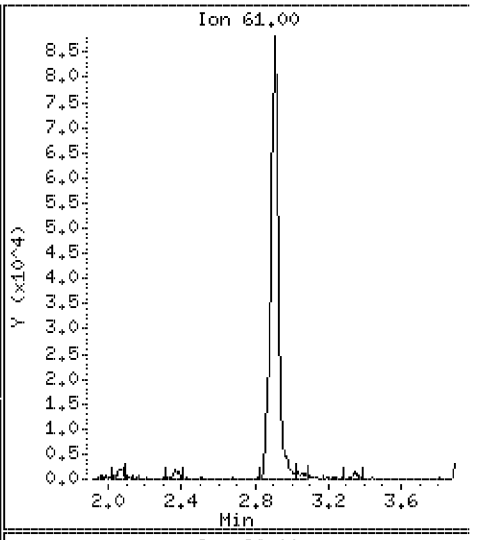
Concentration: 86.9 ug/l

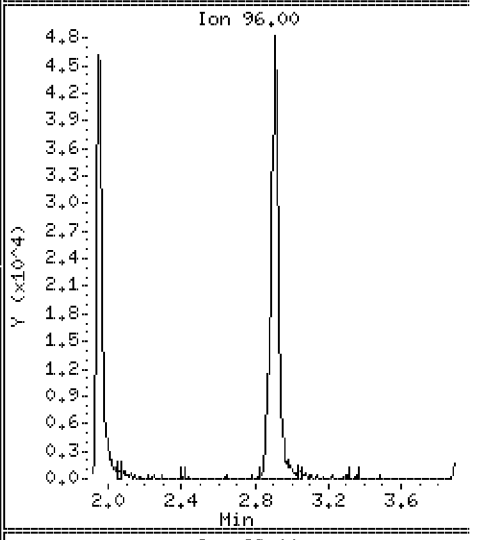


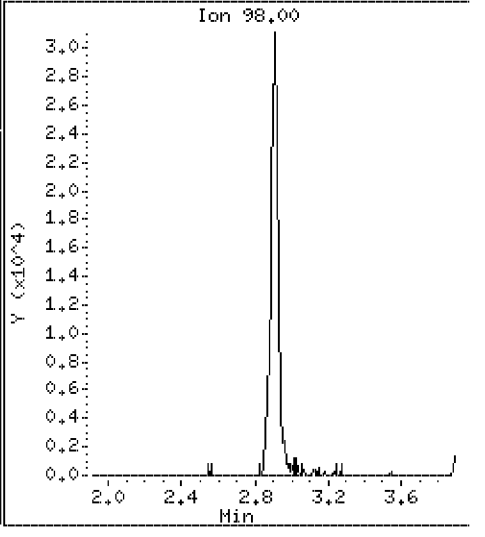












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

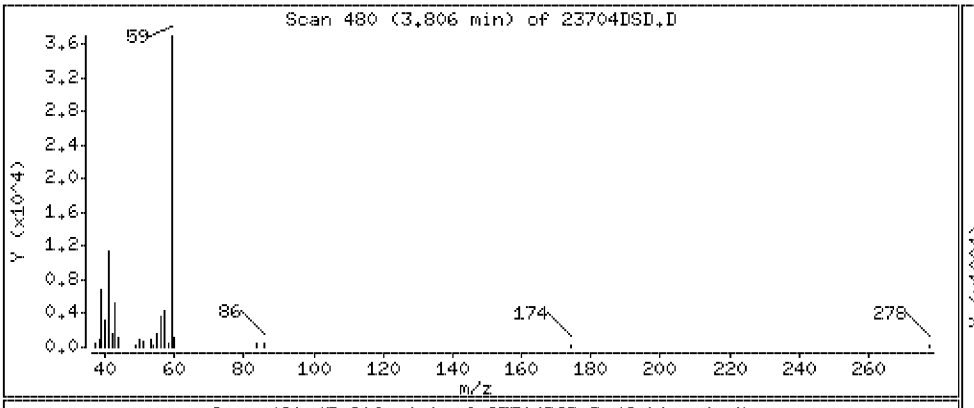
Operator:

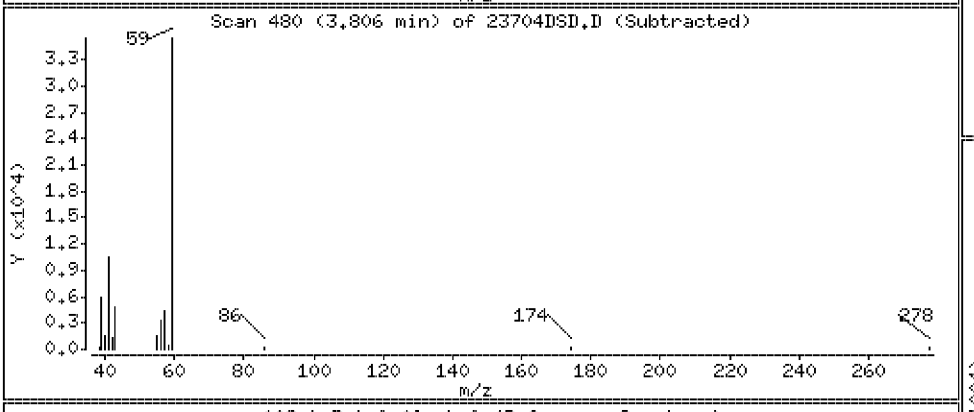
Column phase: RTX-502.2

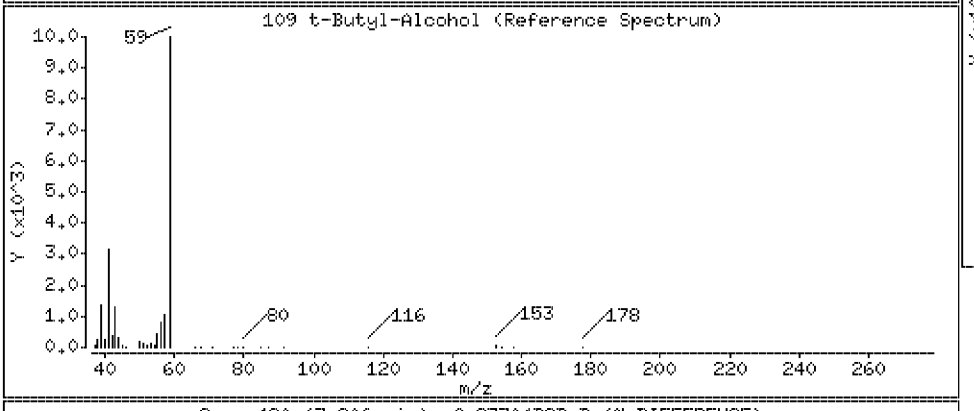
Column diameter: 0.18

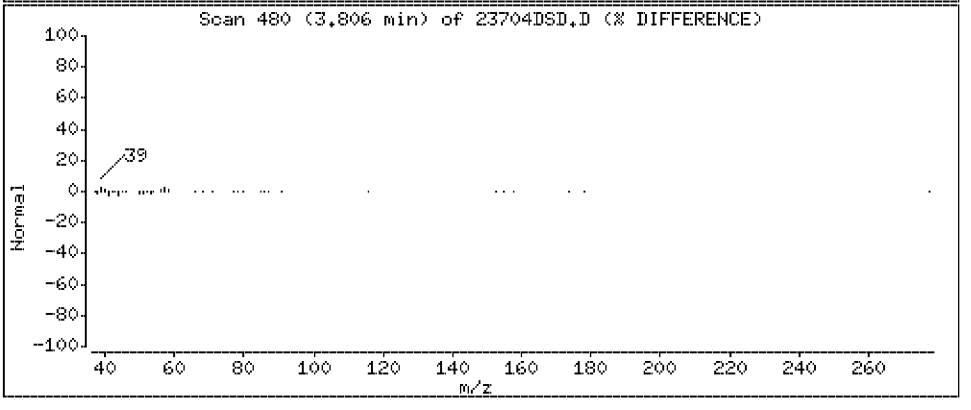
109 t-Butyl-Alcohol

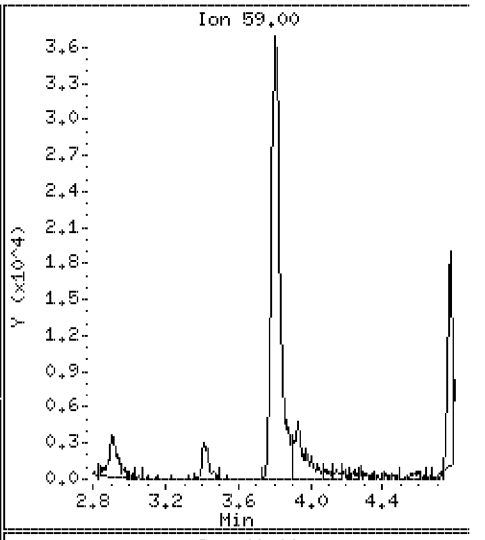
Concentration: 911 ug/l

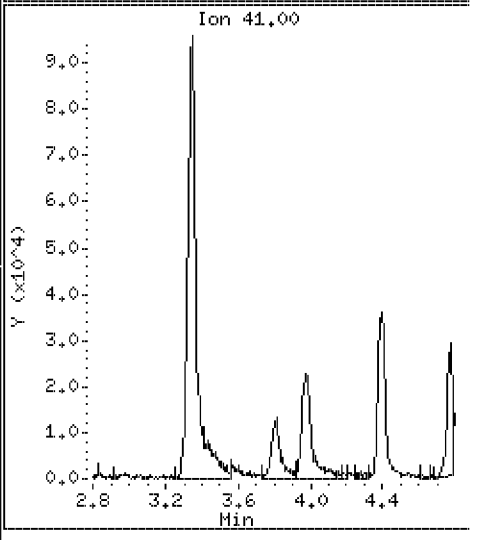












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

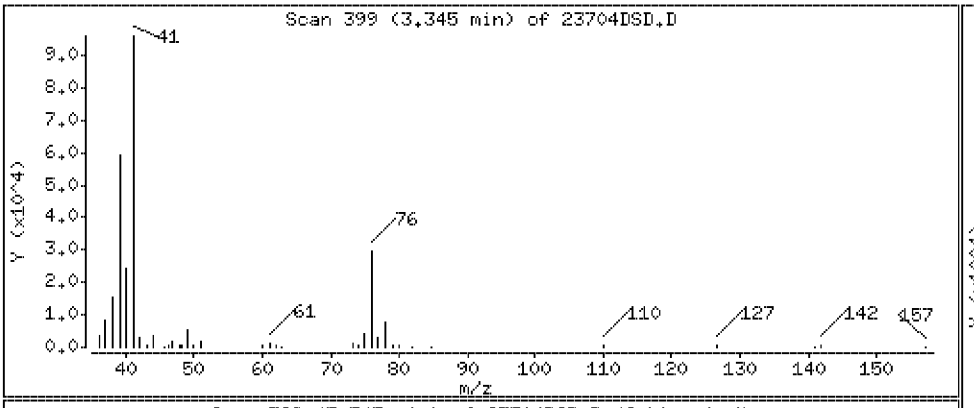
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

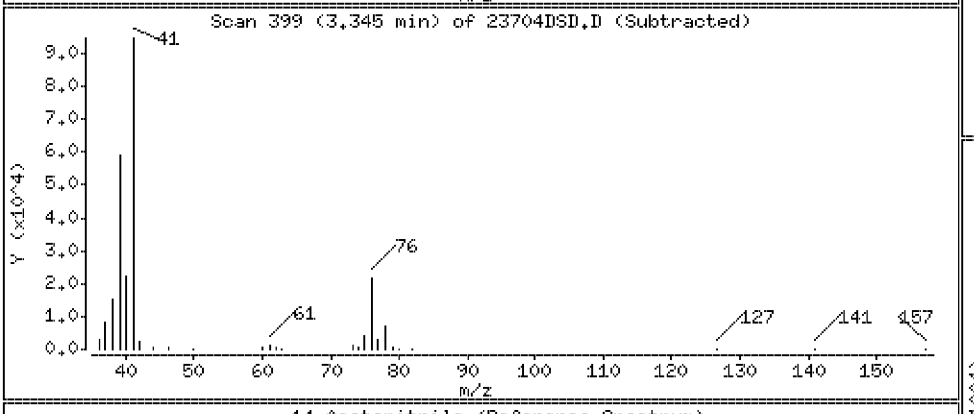
Sample Info: 350023704;3500237;5;

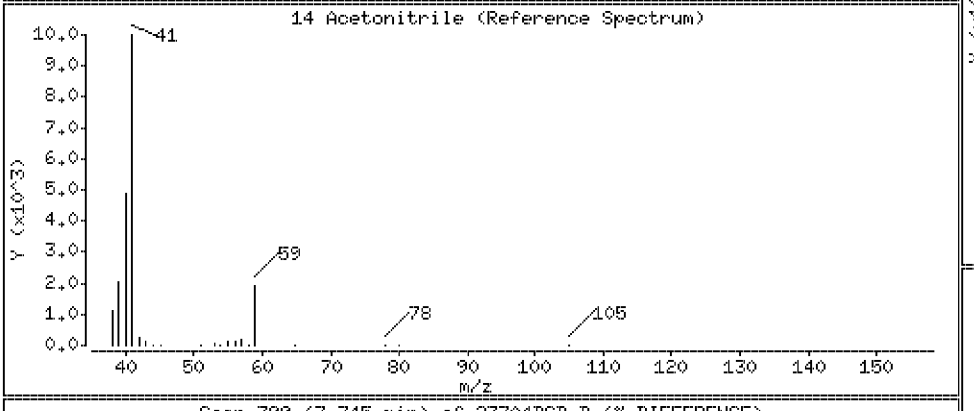
Purge Volume: 5.0 Operator:

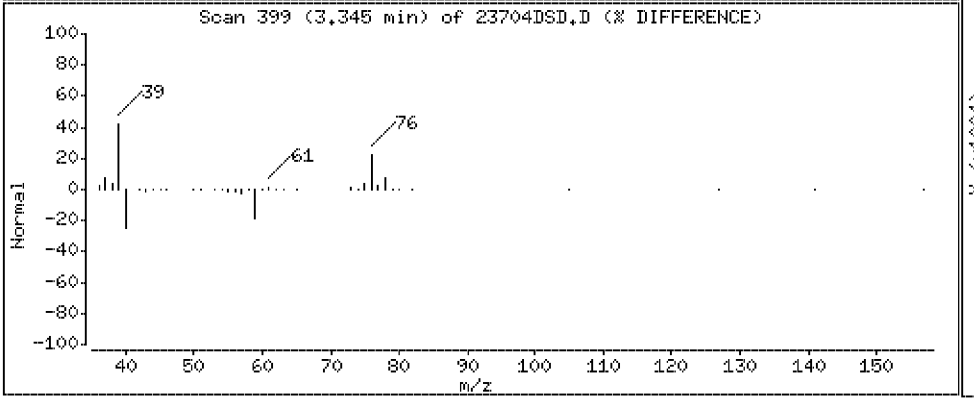
Column phase: RTX-502.2 Column diameter: 0.18

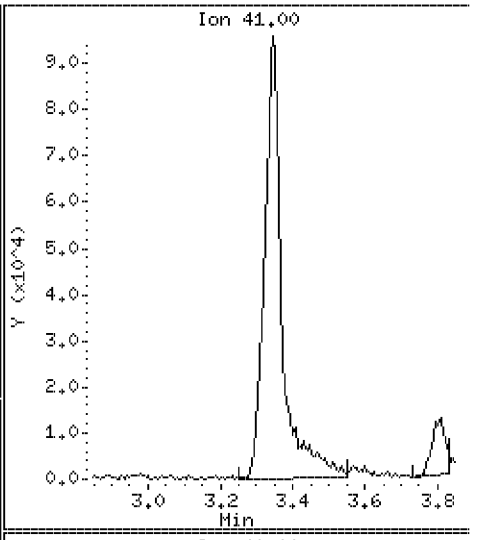
14 Acetonitrile Concentration: 830 ug/l

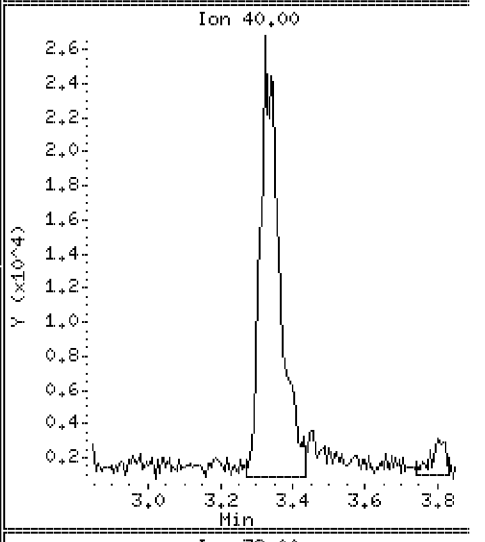


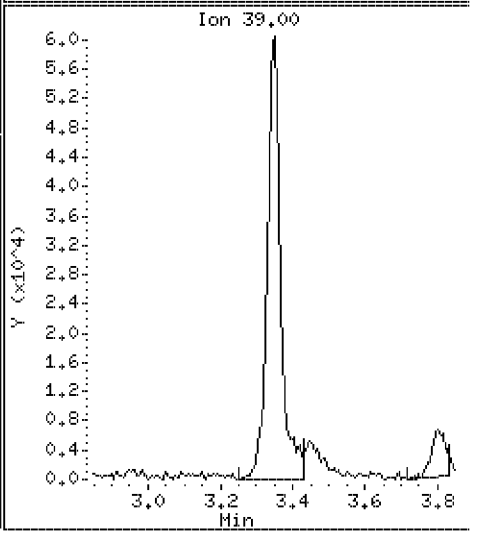












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

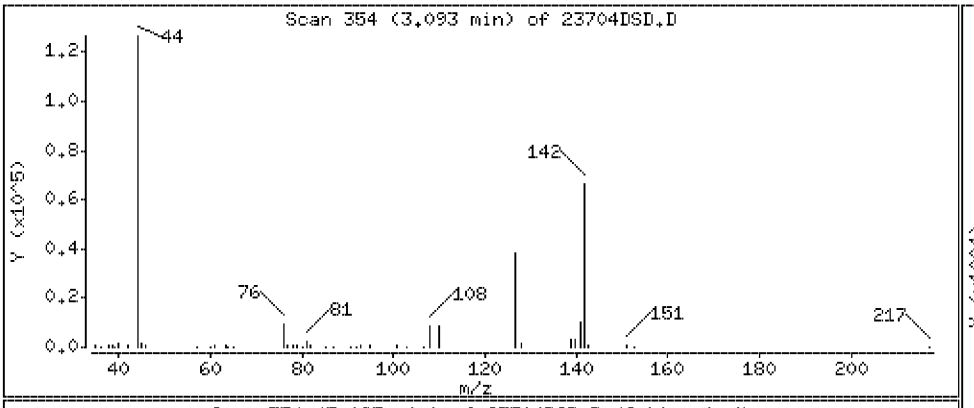
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

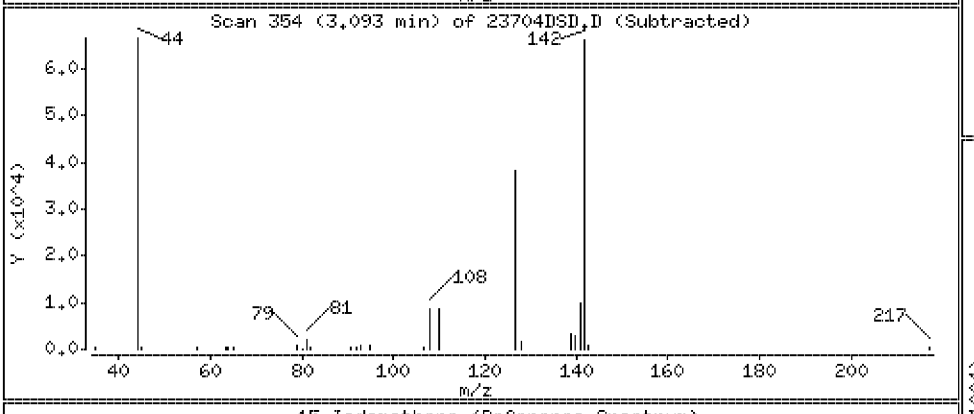
Sample Info: 350023704;3500237;5;

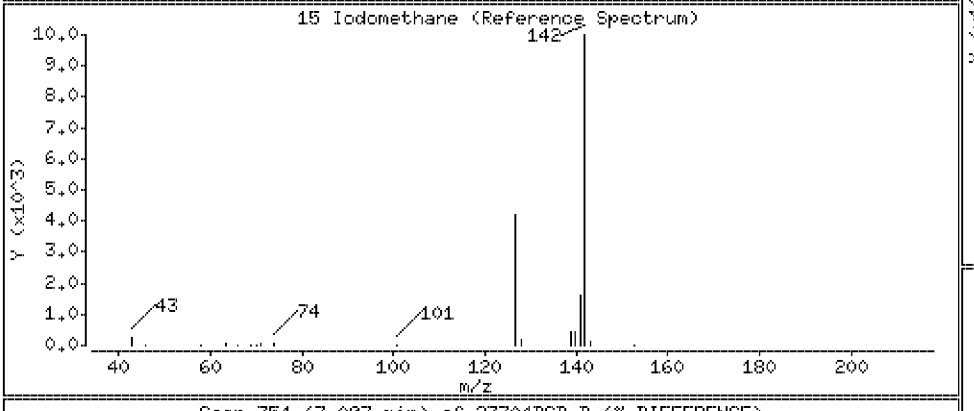
Purge Volume: 5.0 Operator:

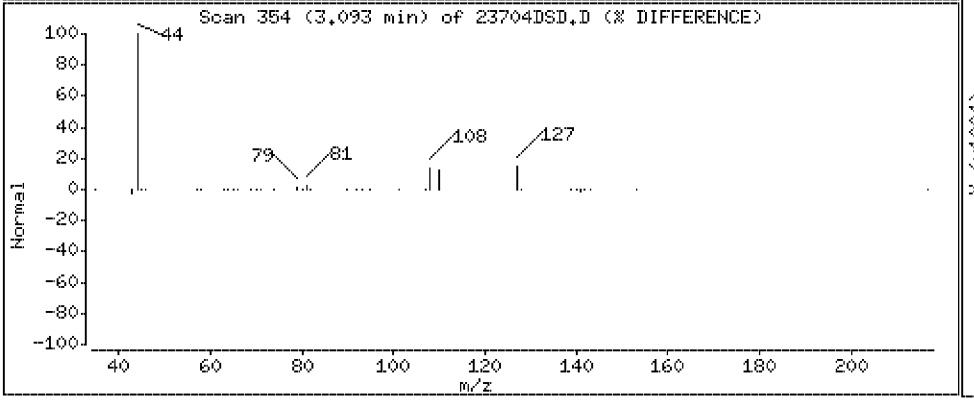
Column phase: RTX-502.2 Column diameter: 0.18

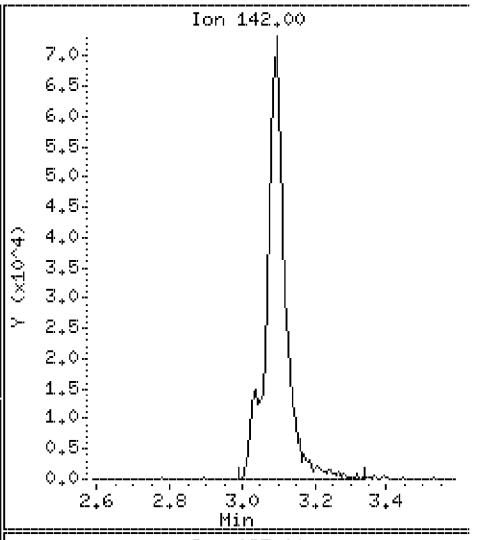
15 Iodomethane Concentration: 93.5 ug/l

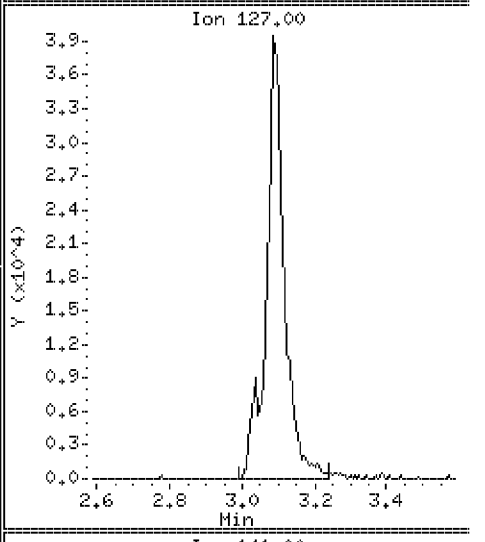


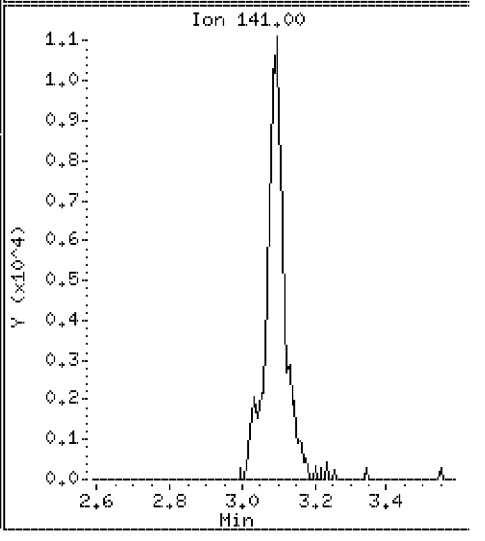












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

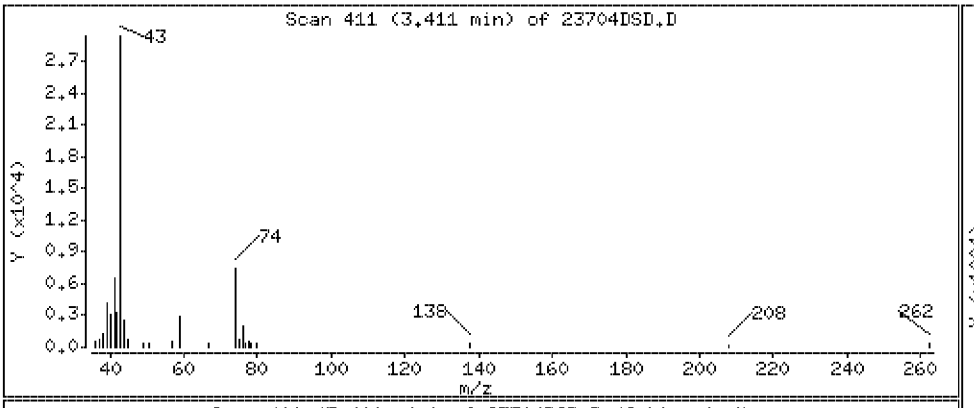
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

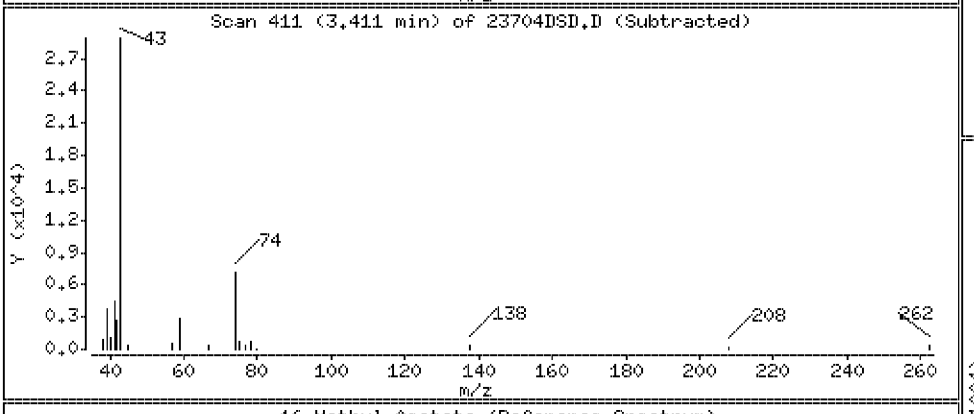
Sample Info: 350023704;3500237;5;

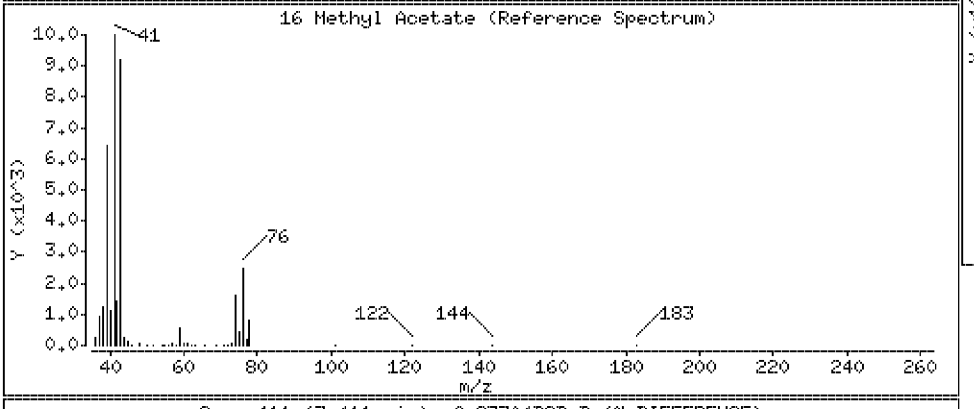
Purge Volume: 5.0 Operator:

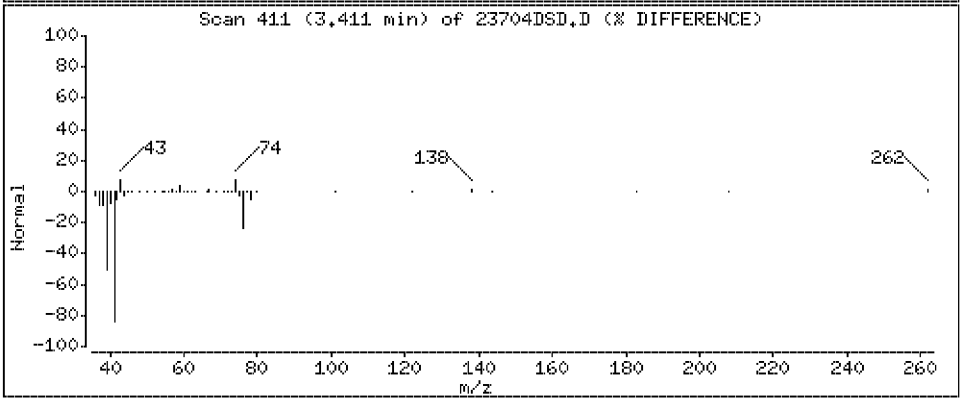
Column phase: RTX-502.2 Column diameter: 0.18

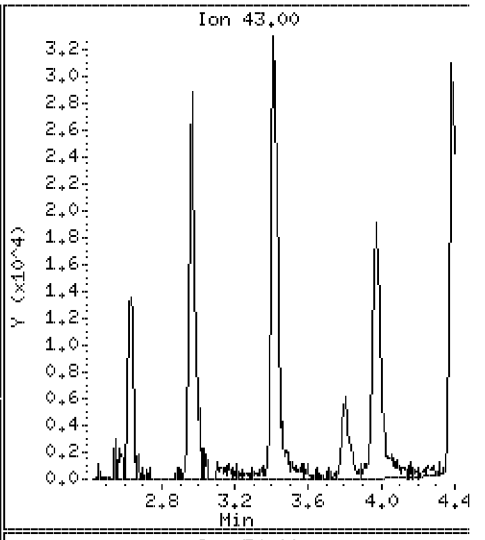
16 Methyl Acetate Concentration: 70.2 ug/l

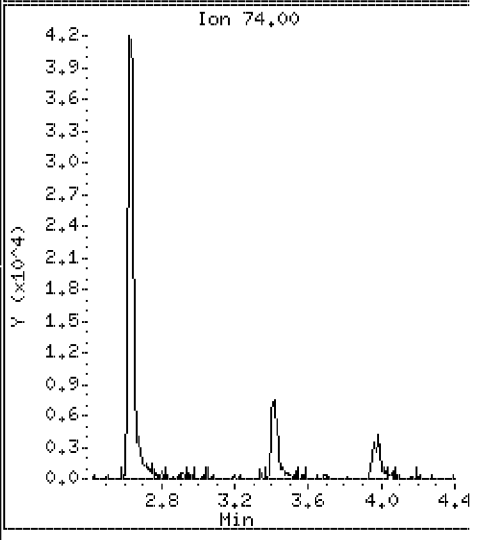












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

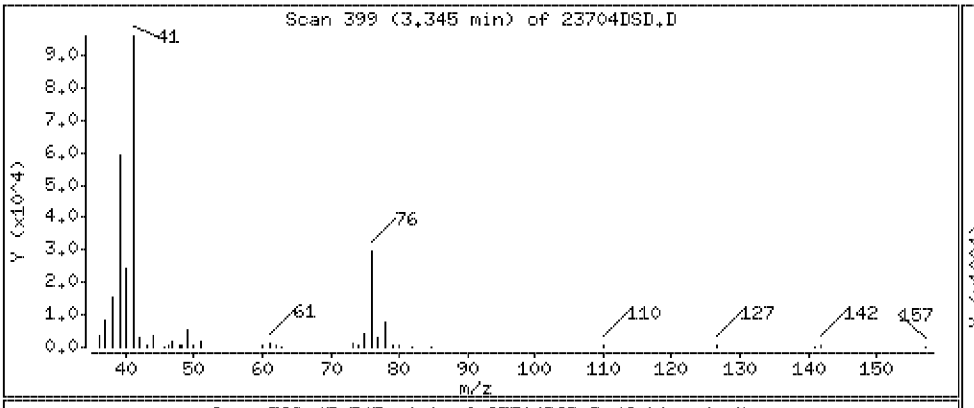
Operator:

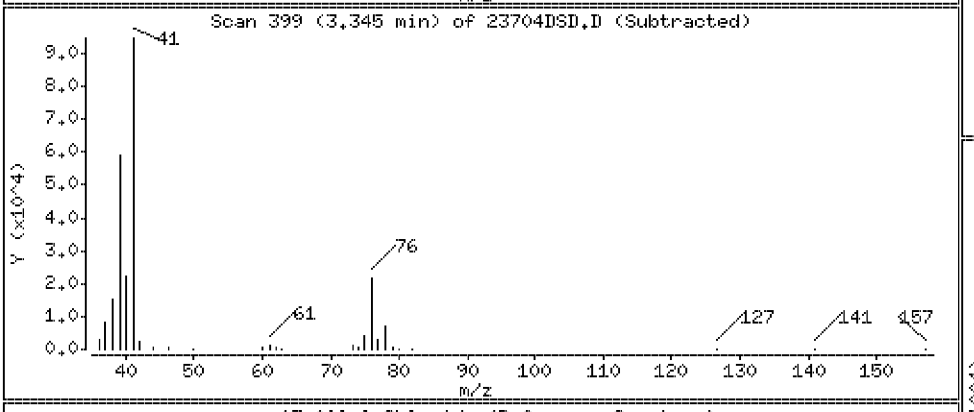
Column phase: RTX-502.2

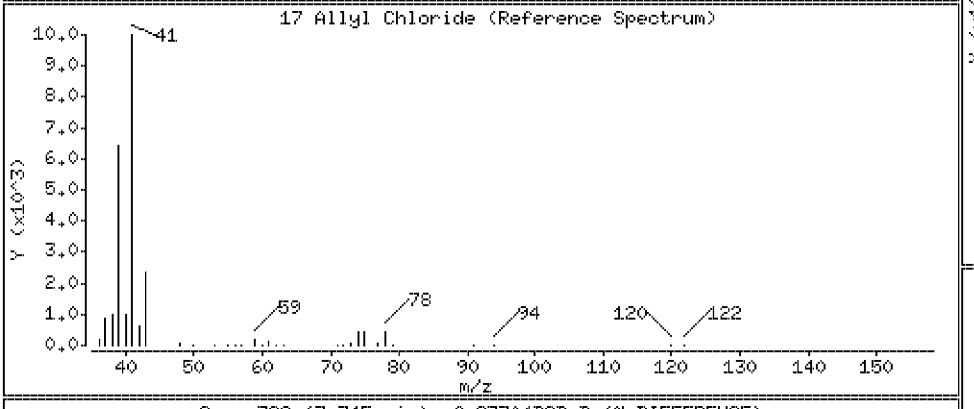
Column diameter: 0.18

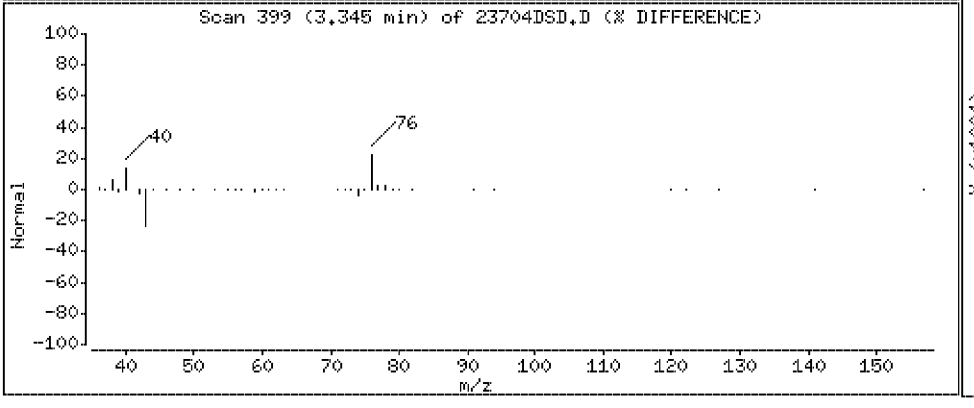
17 Allyl Chloride

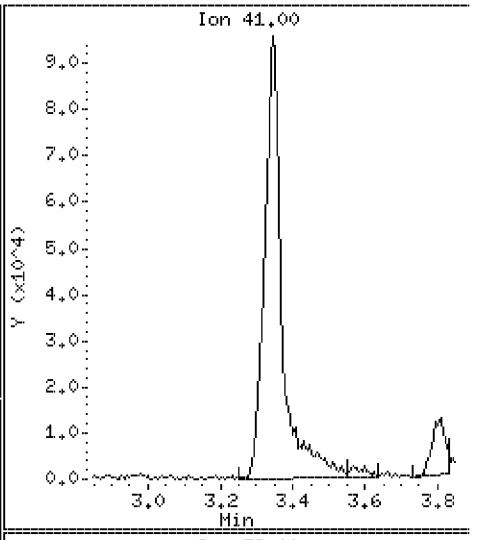
Concentration: 84.3 ug/l

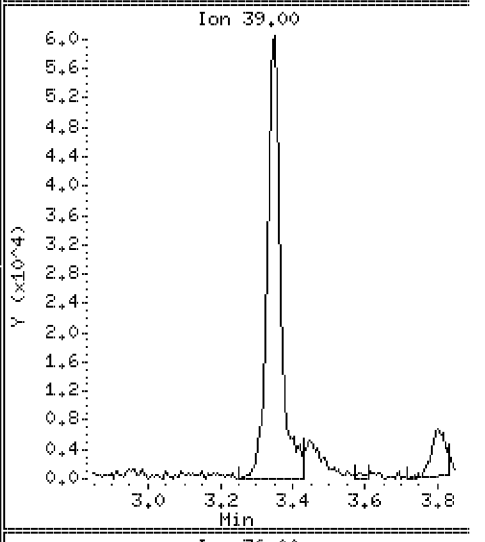


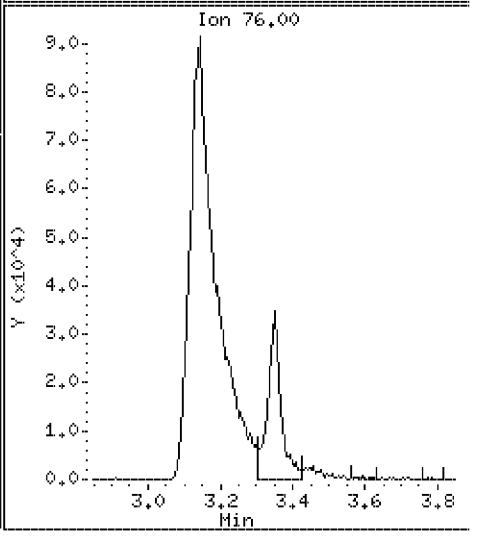












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

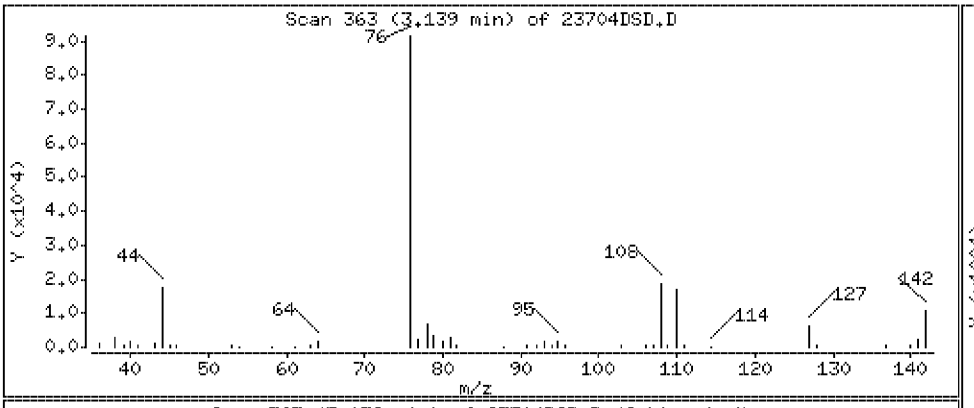
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

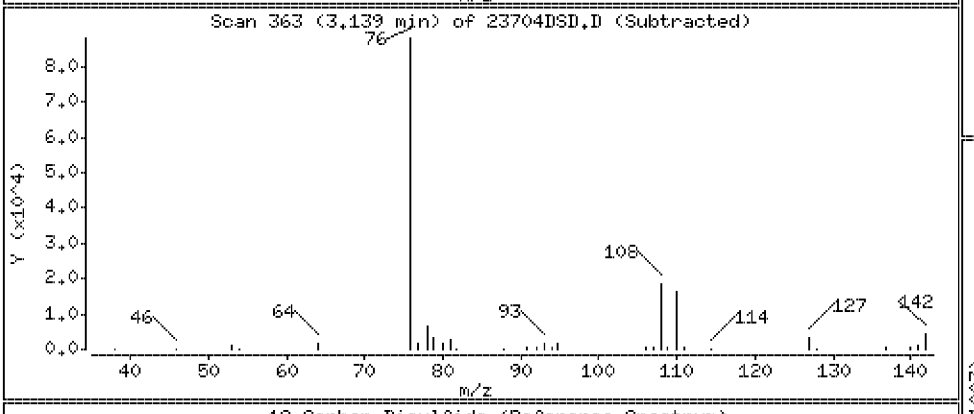
Sample Info: 350023704;3500237;5;

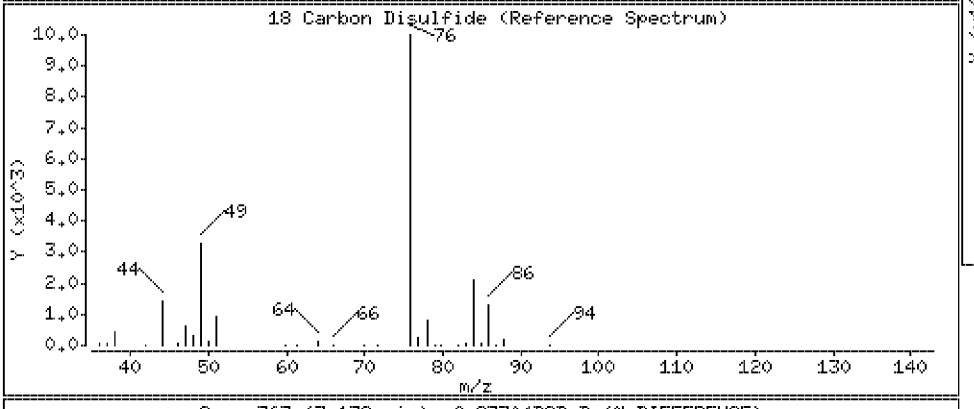
Purge Volume: 5.0 Operator:

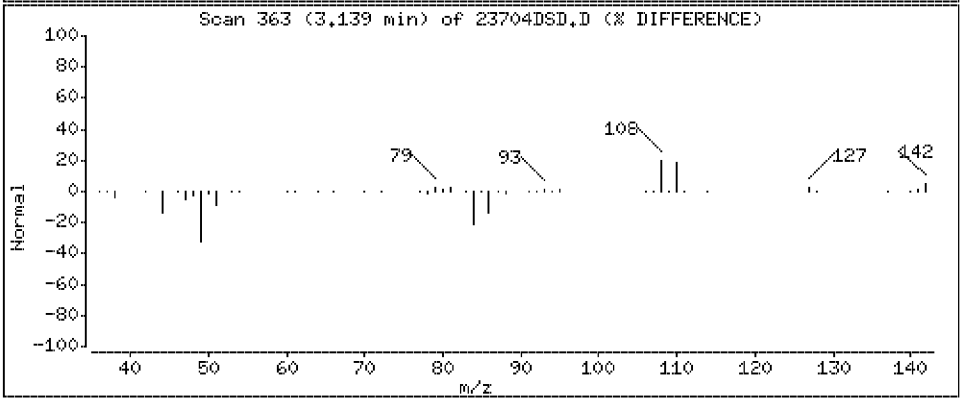
Column phase: RTX-502.2 Column diameter: 0.18

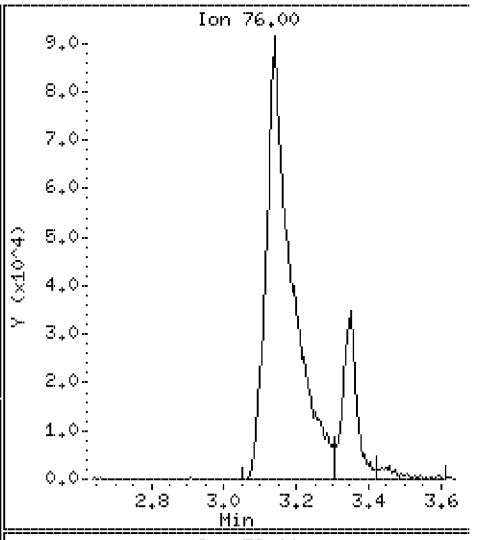
18 Carbon Disulfide Concentration: 89.9 ug/l

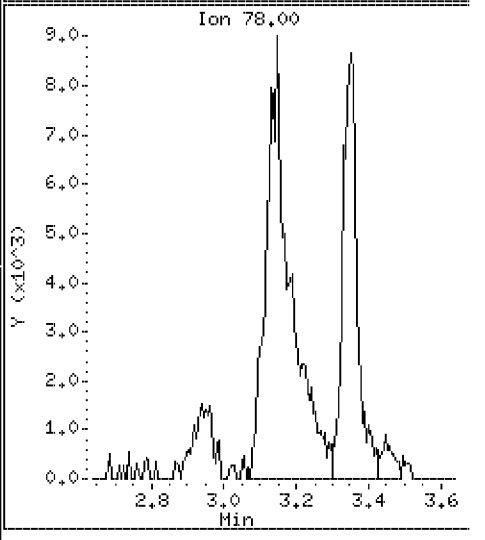












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

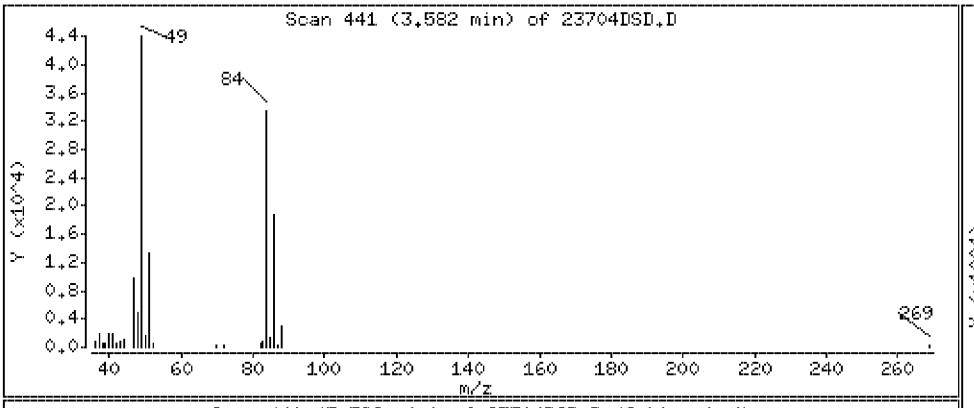
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

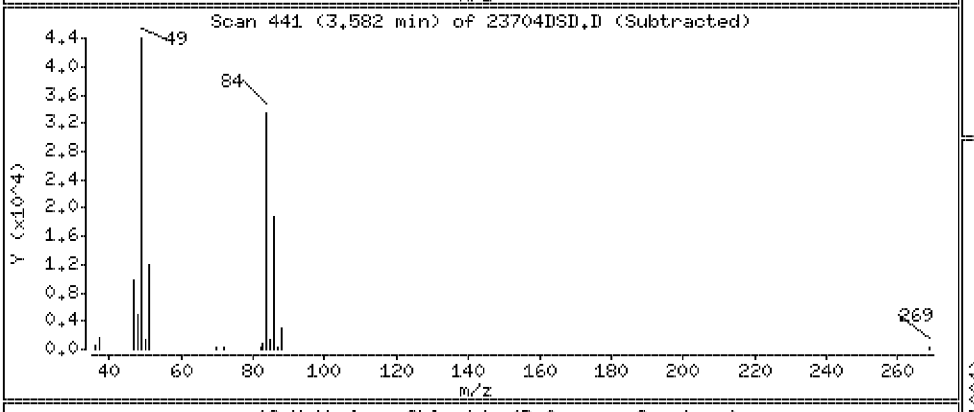
Sample Info: 350023704;3500237;5;

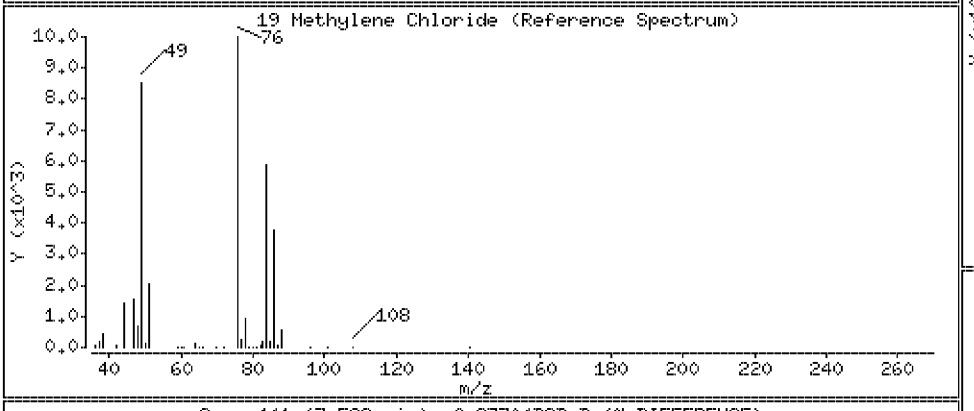
Purge Volume: 5.0 Operator:

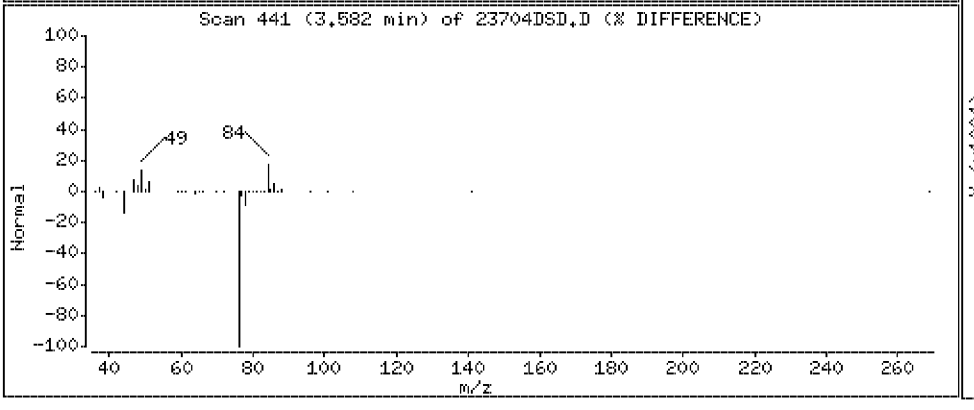
Column phase: RTX-502.2 Column diameter: 0.18

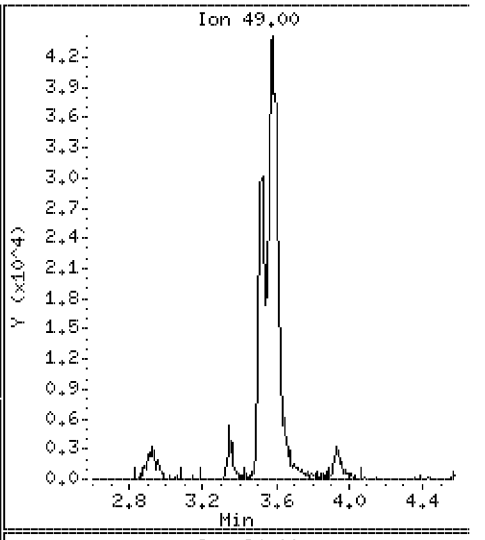
19 Methylene Chloride Concentration: 75.0 ug/l

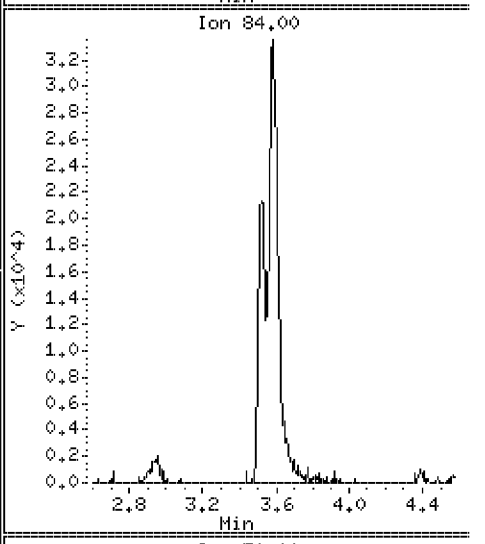


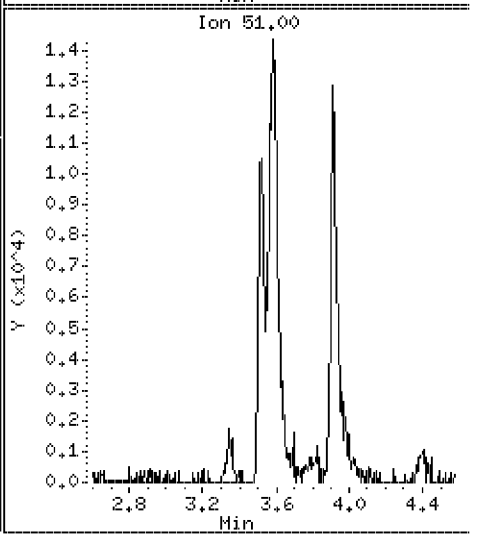












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

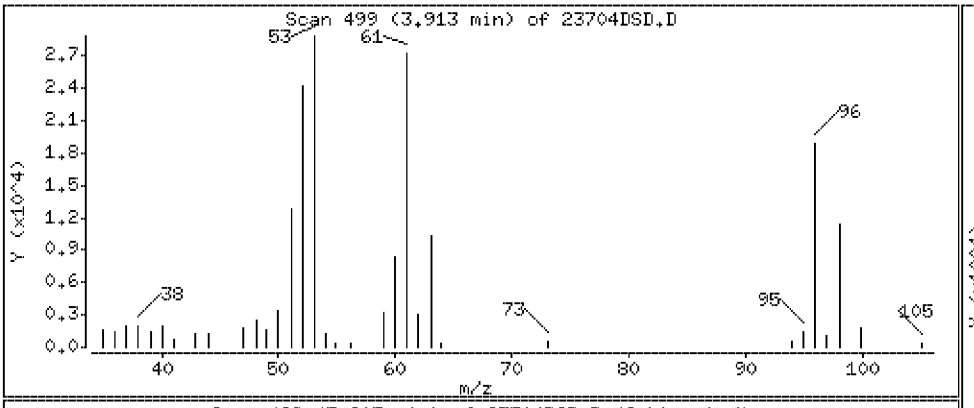
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

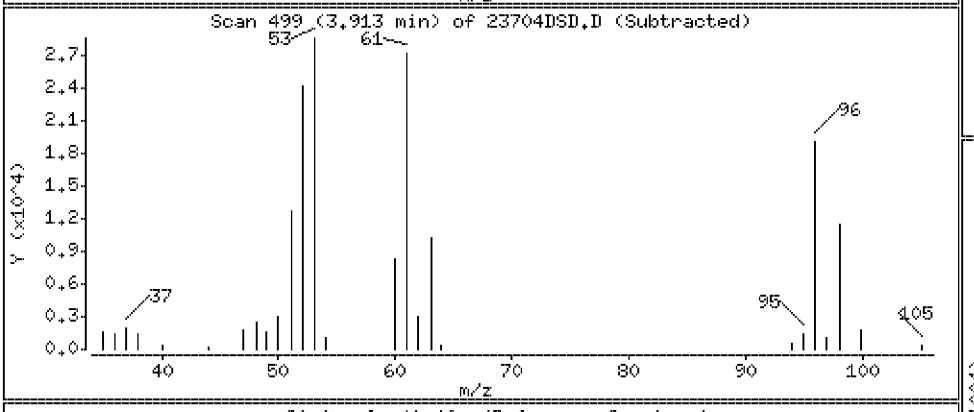
Sample Info: 350023704;3500237;5;

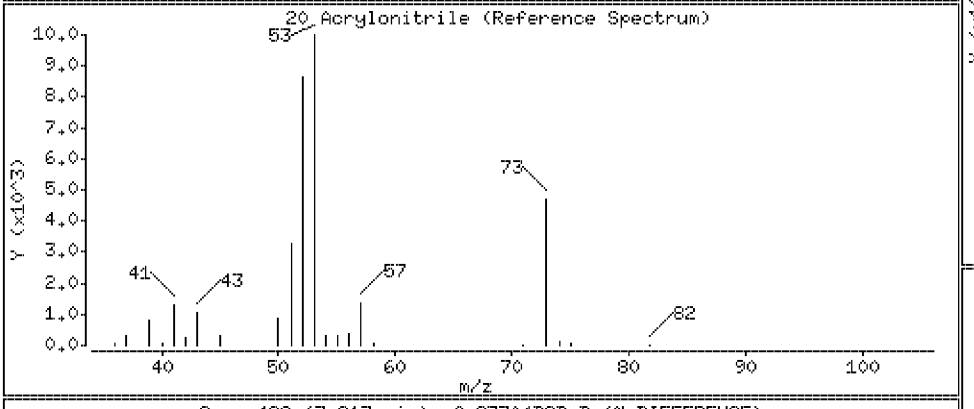
Purge Volume: 5.0 Operator:

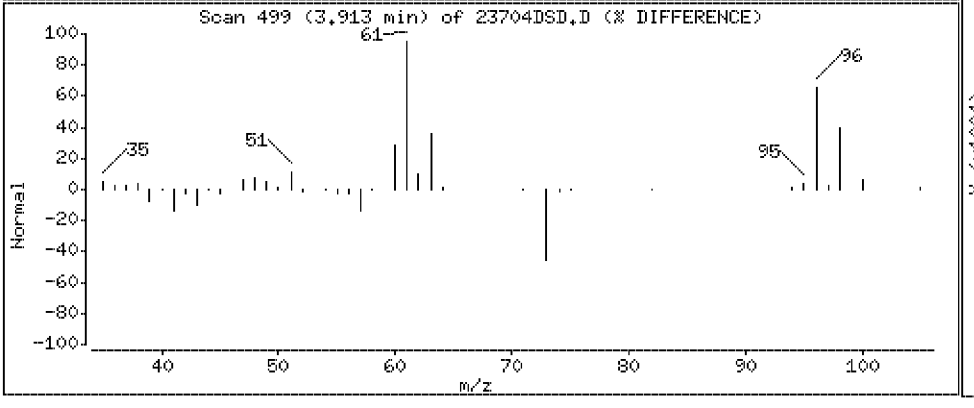
Column phase: RTX-502.2 Column diameter: 0.18

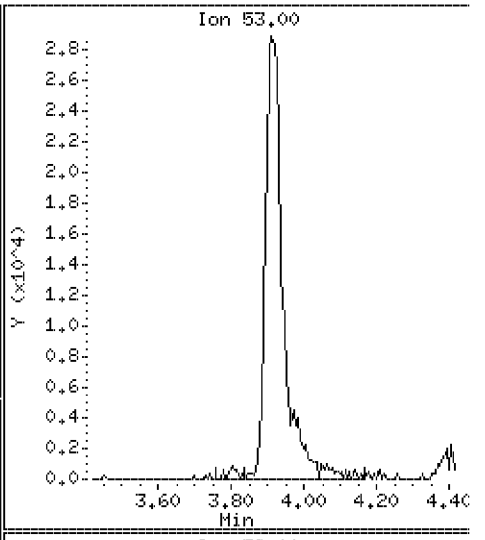
20 Acrylonitrile Concentration: 151 ug/l

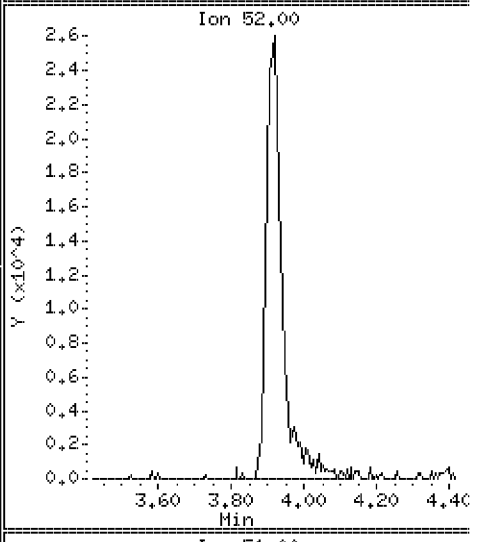


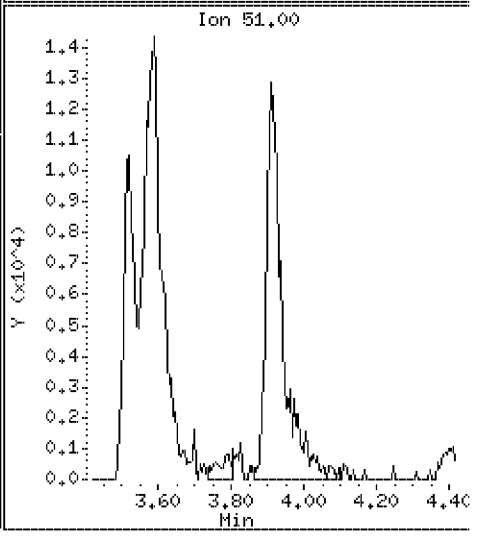












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

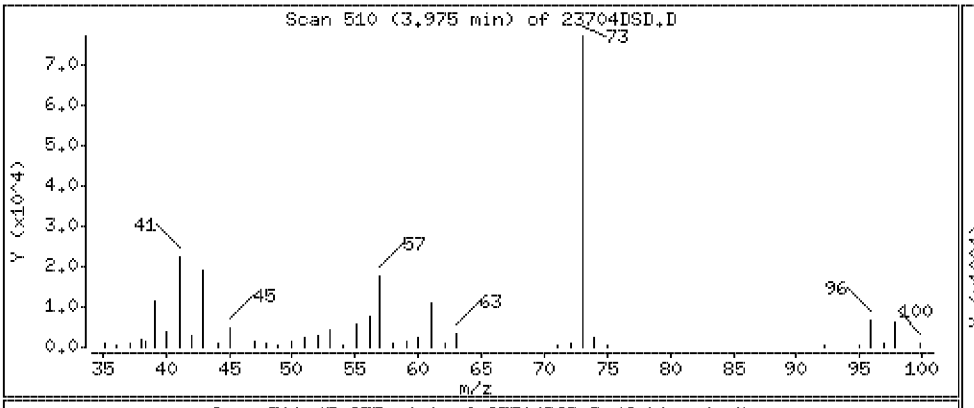
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

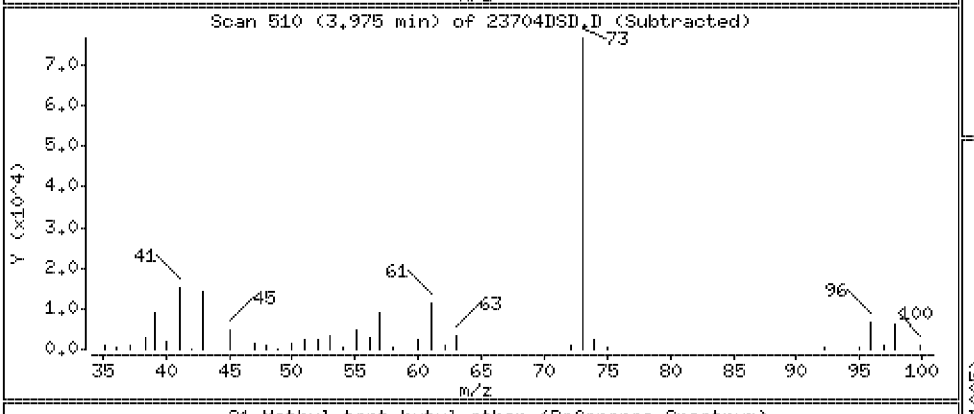
Sample Info: 350023704;3500237;5;

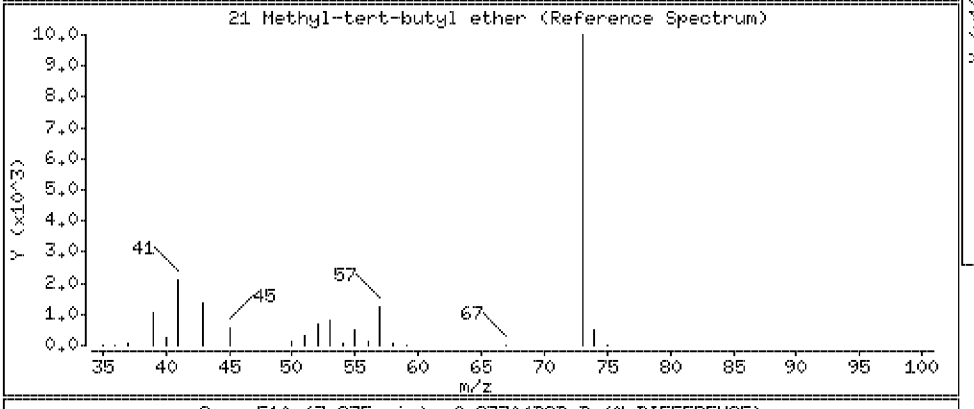
Purge Volume: 5.0 Operator:

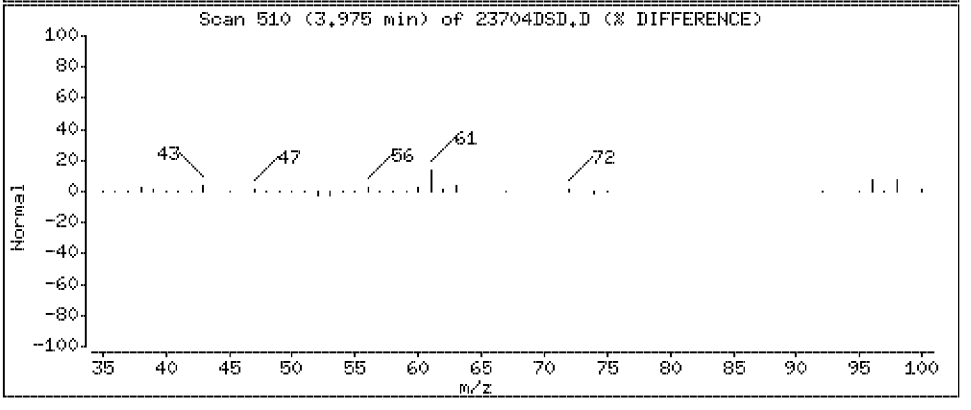
Column phase: RTX-502.2 Column diameter: 0.18

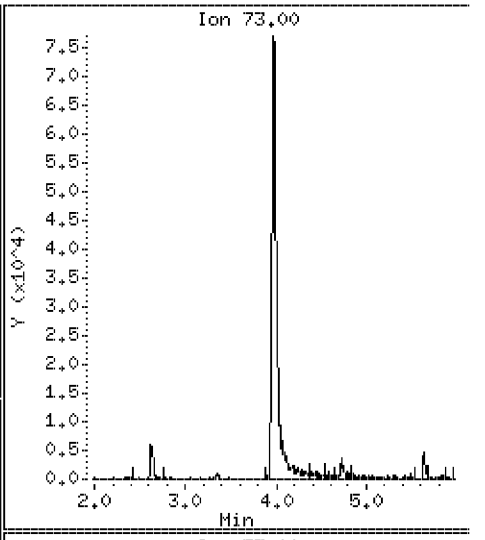
21 Methyl-tert-butyl ether Concentration: 78.6 ug/l

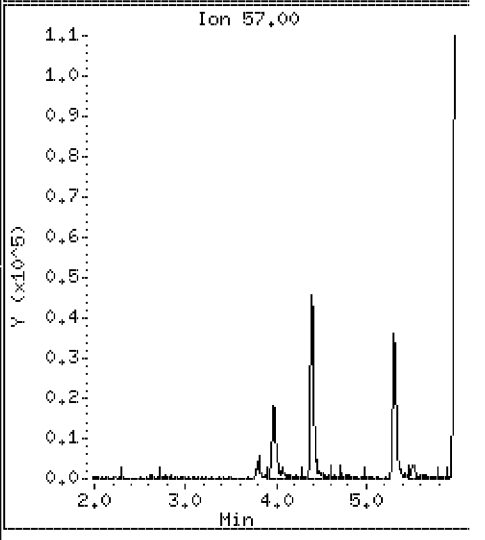












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Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

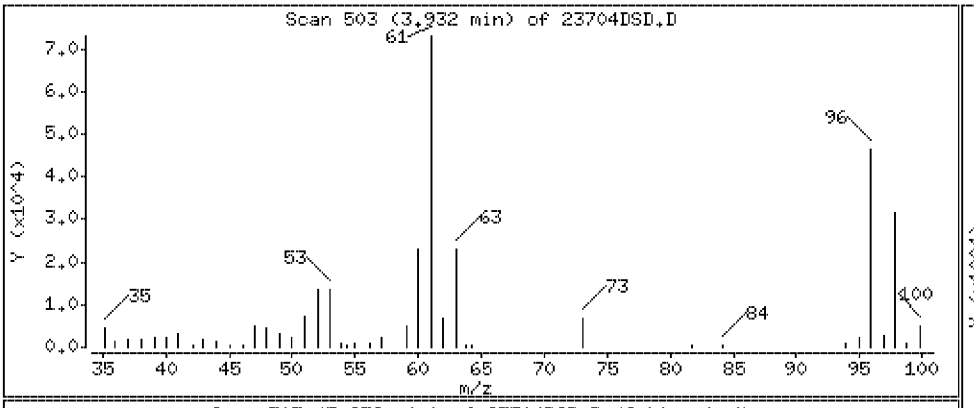
Operator:

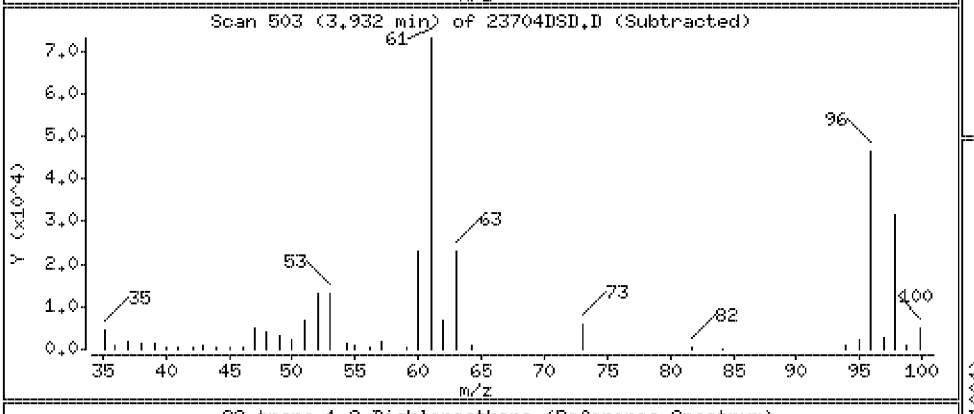
Column phase: RTX-502.2

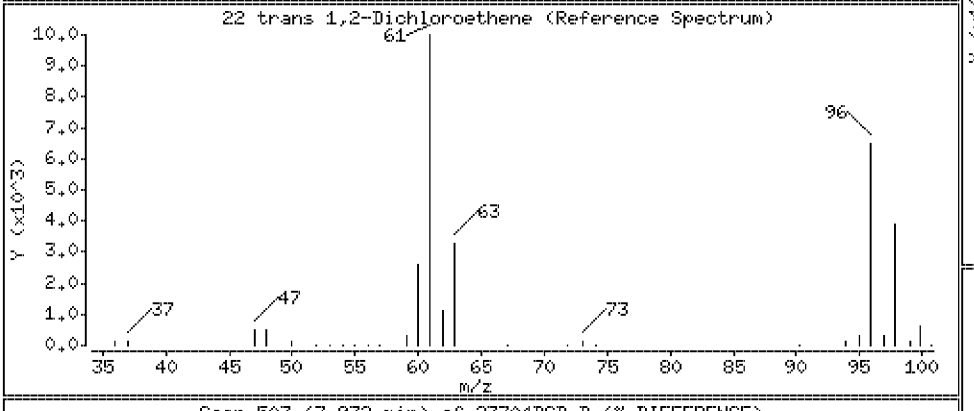
Column diameter: 0.18

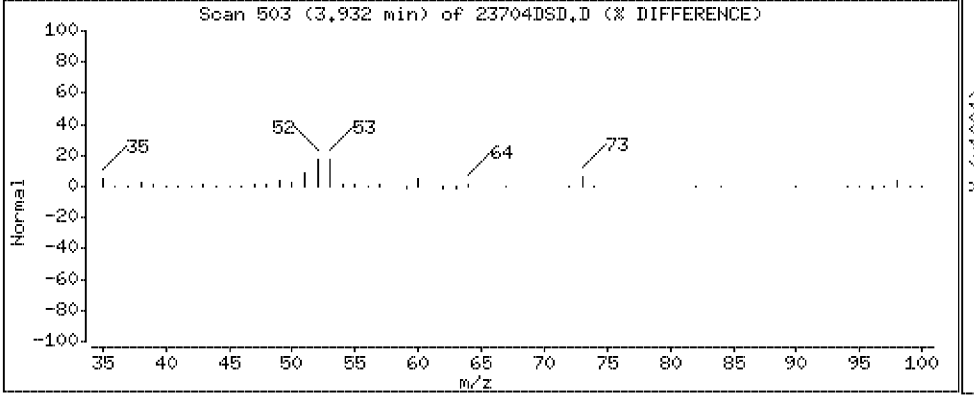
22 trans 1,2-Dichloroethene

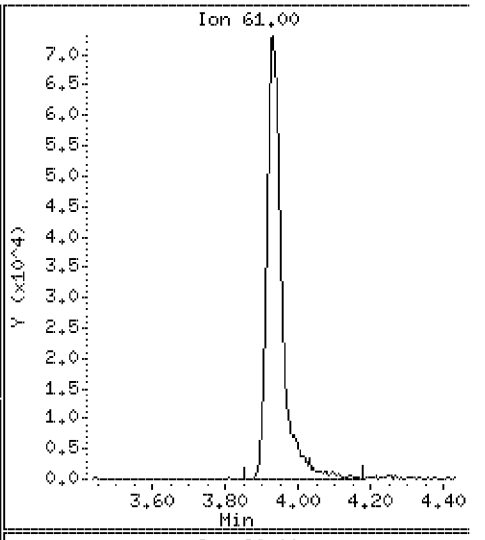
Concentration: 78.6 ug/l

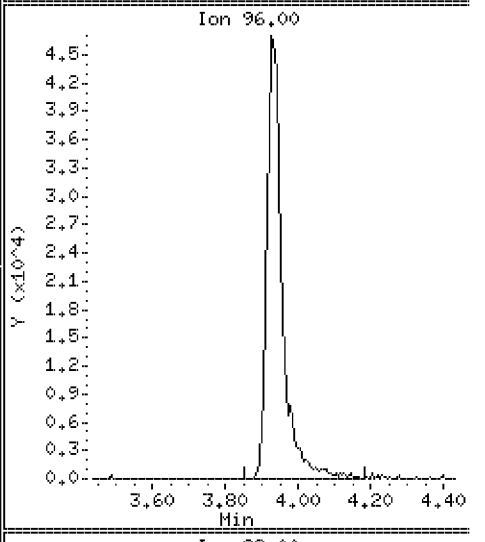


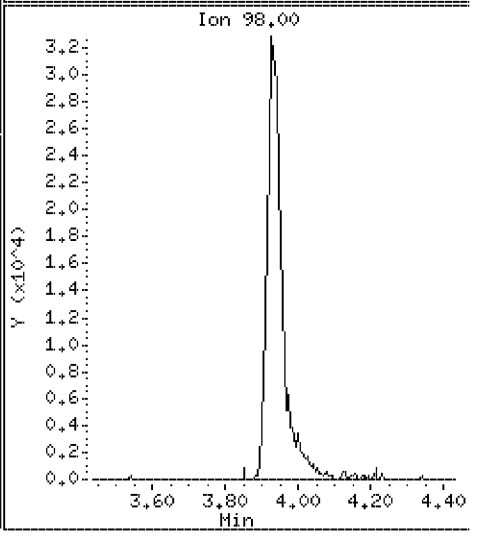












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

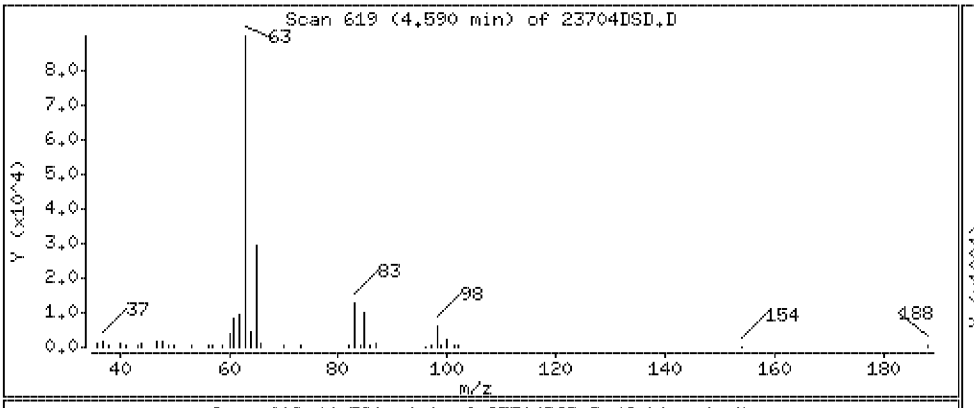
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

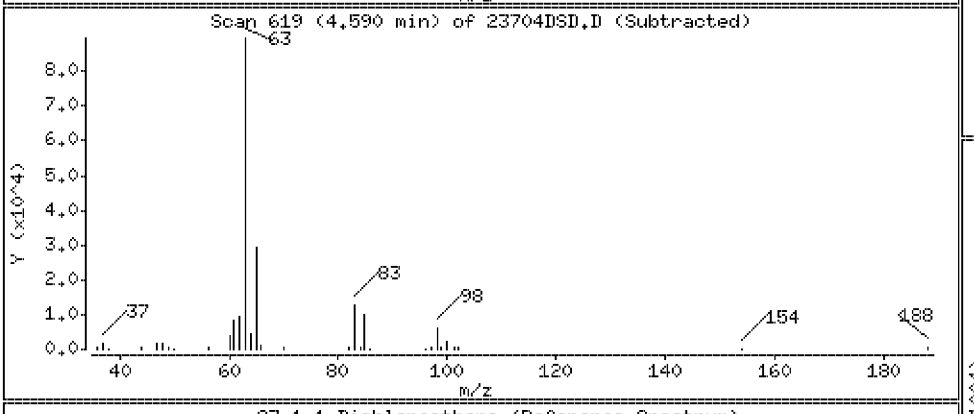
Sample Info: 350023704;3500237;5;

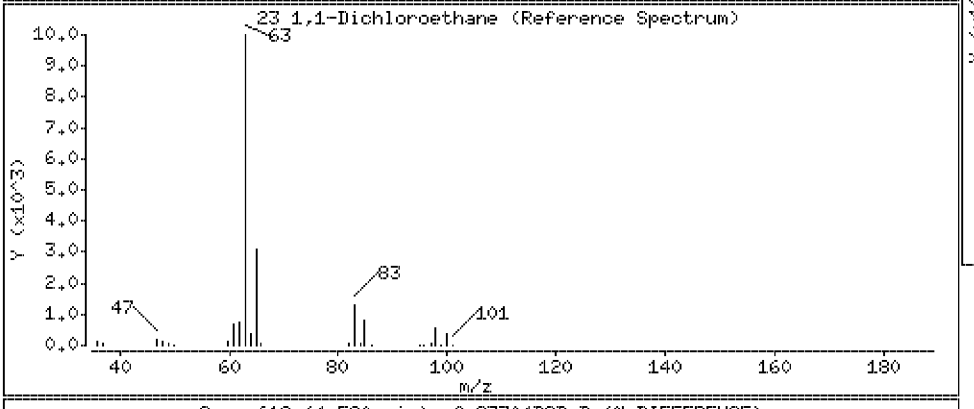
Purge Volume: 5.0 Operator:

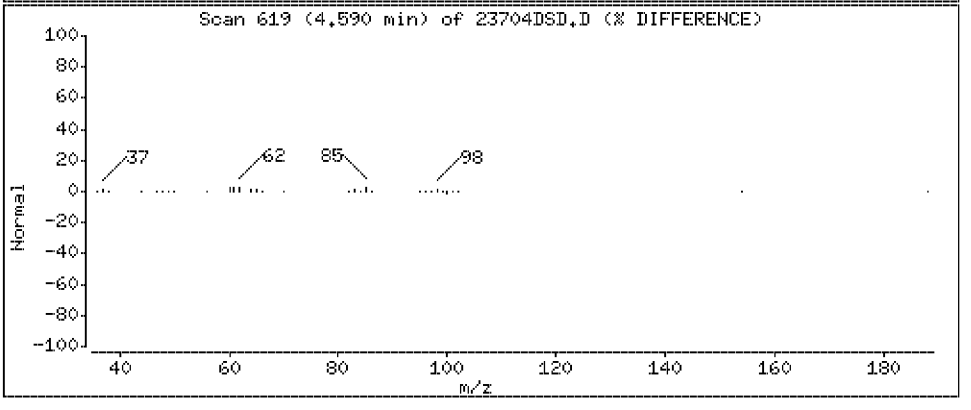
Column phase: RTX-502.2 Column diameter: 0.18

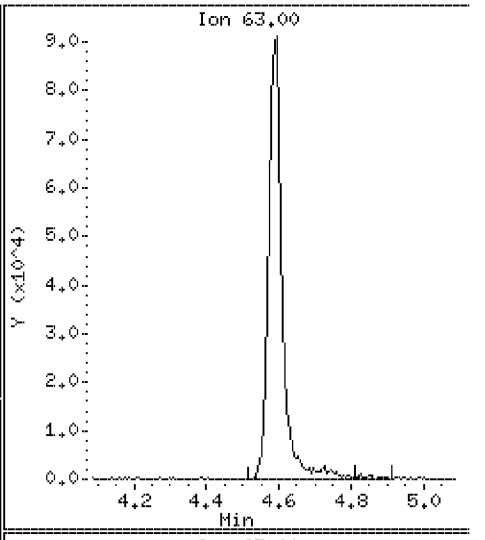
23 1,1-Dichloroethane Concentration: 78.1 ug/l

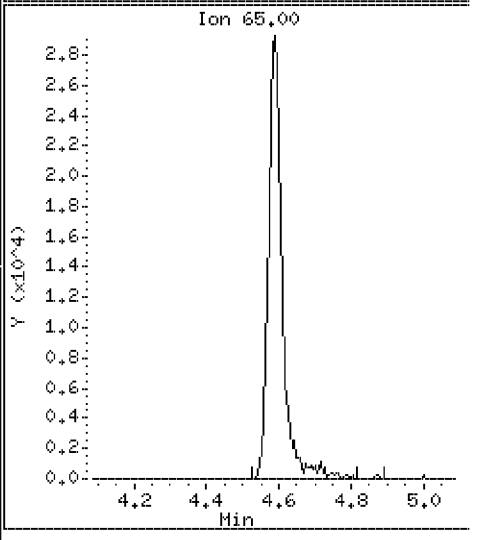












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

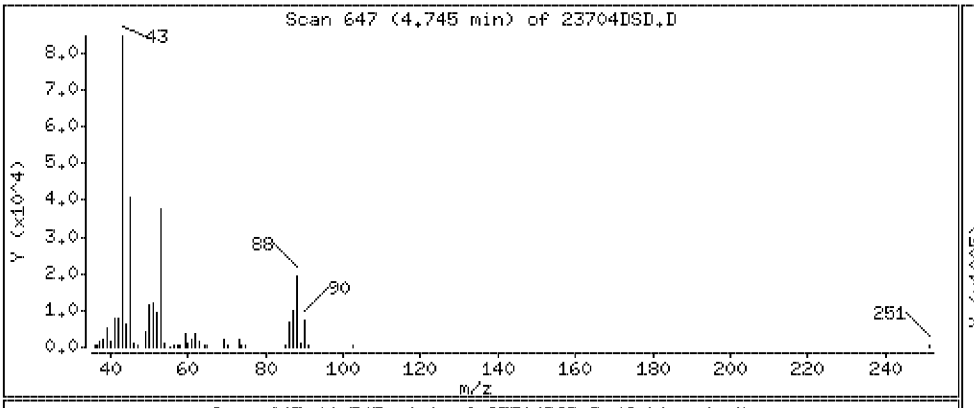
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

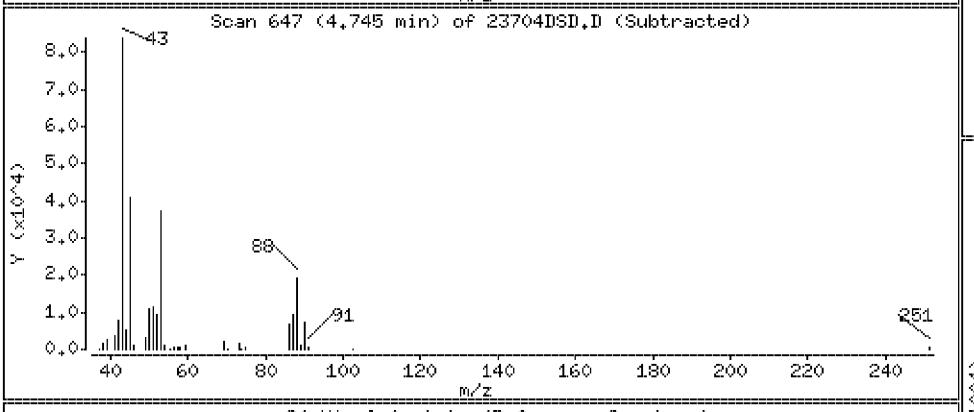
Sample Info: 350023704;3500237;5;

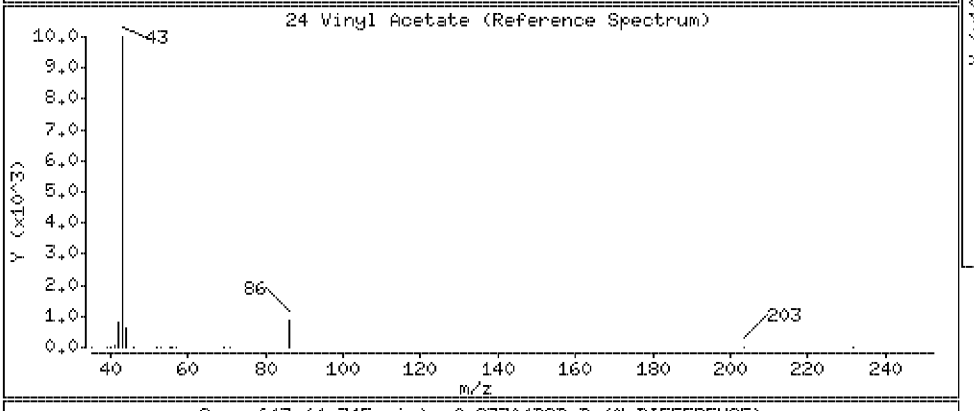
Purge Volume: 5.0 Operator:

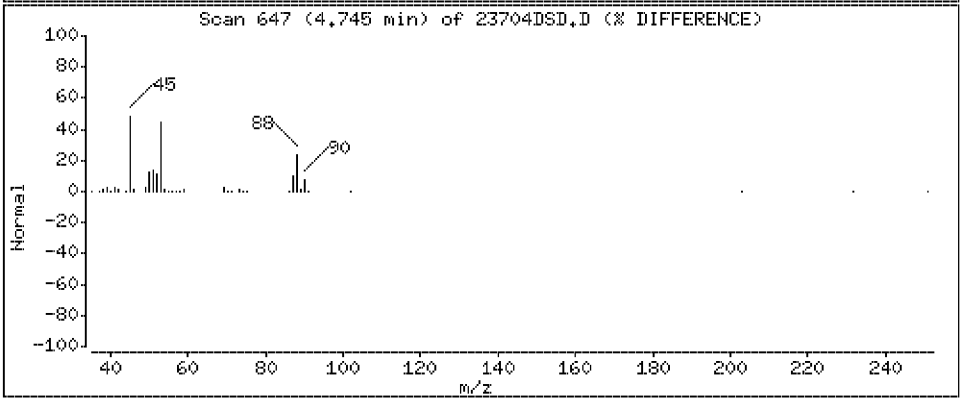
Column phase: RTX-502.2 Column diameter: 0.18

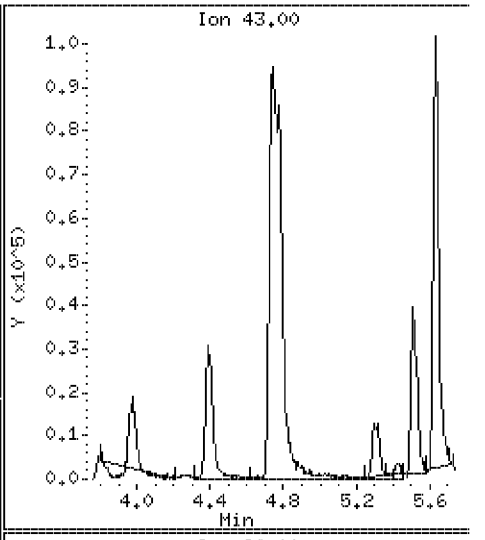
24 Vinyl Acetate Concentration: 78.1 ug/l

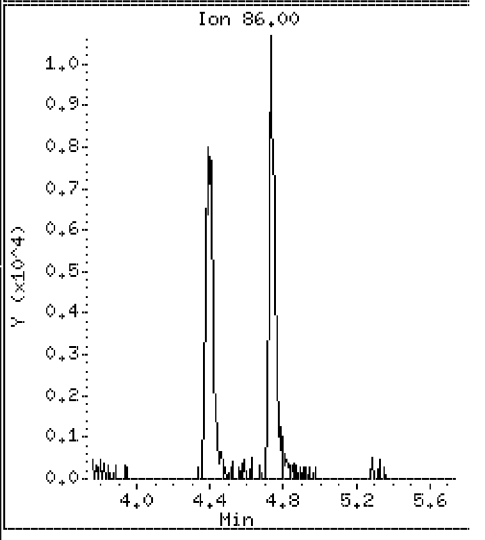












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

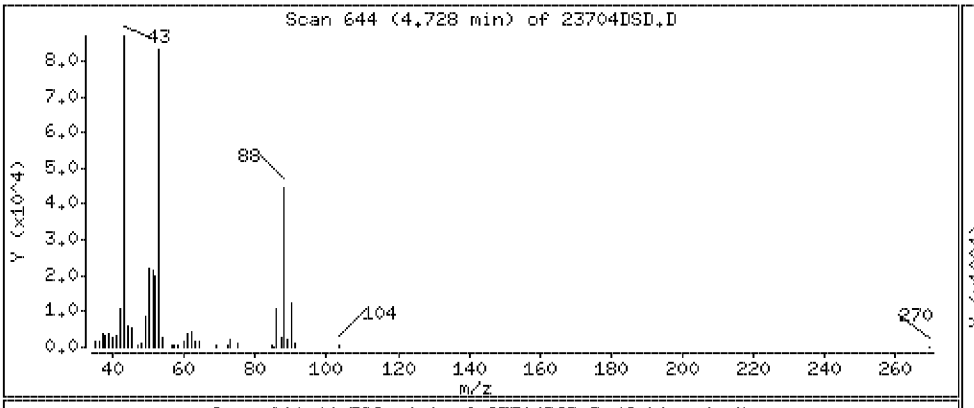
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

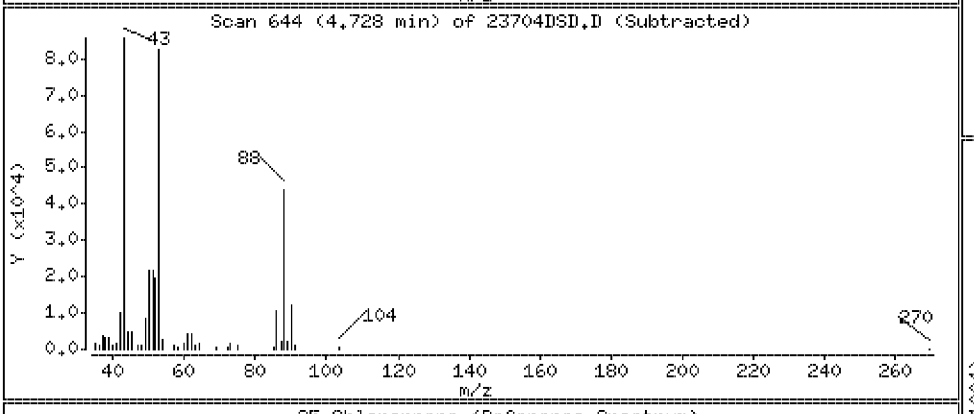
Sample Info: 350023704;3500237;5;

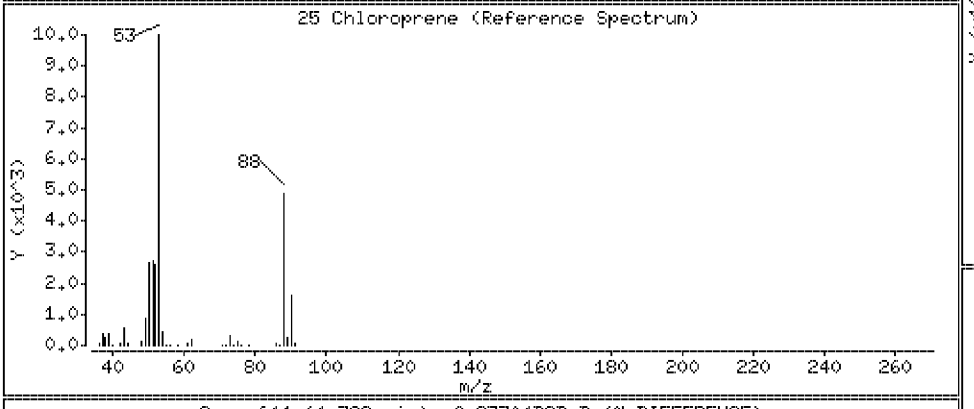
Purge Volume: 5.0 Operator:

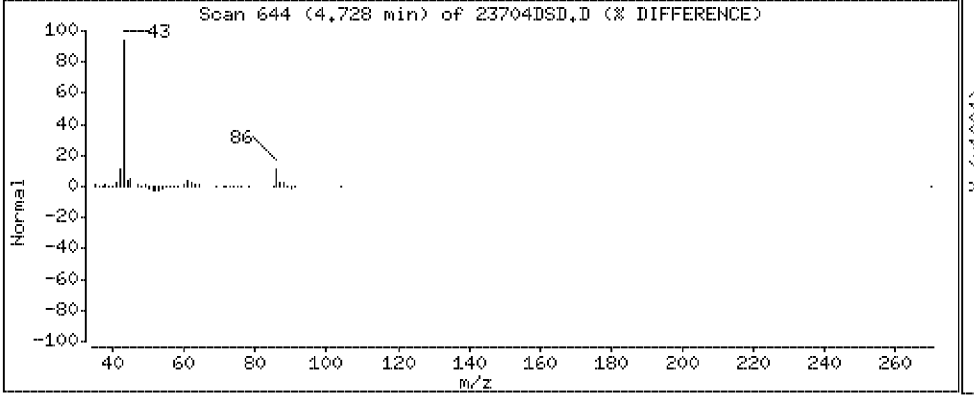
Column phase: RTX-502.2 Column diameter: 0.18

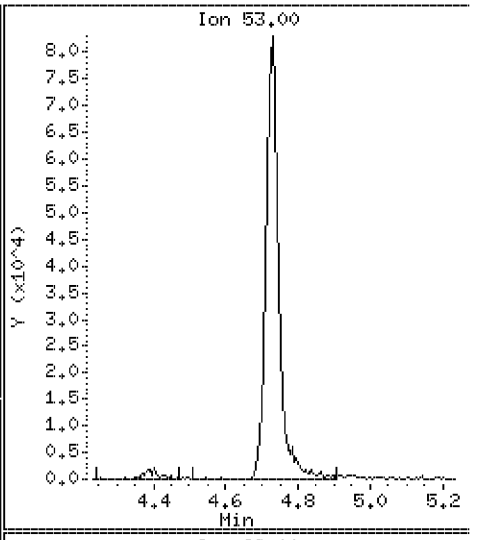
25 Chloroprene Concentration: 85.0 ug/l

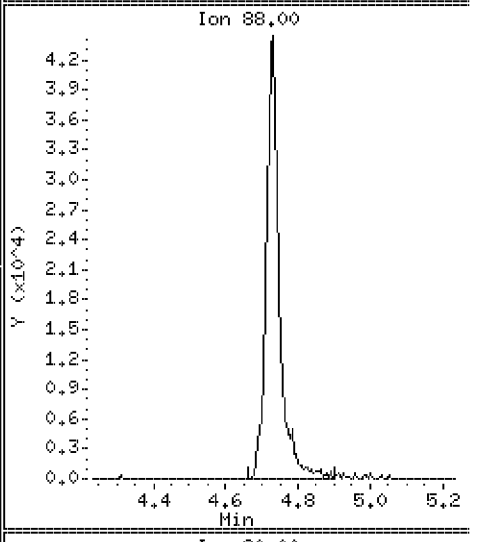


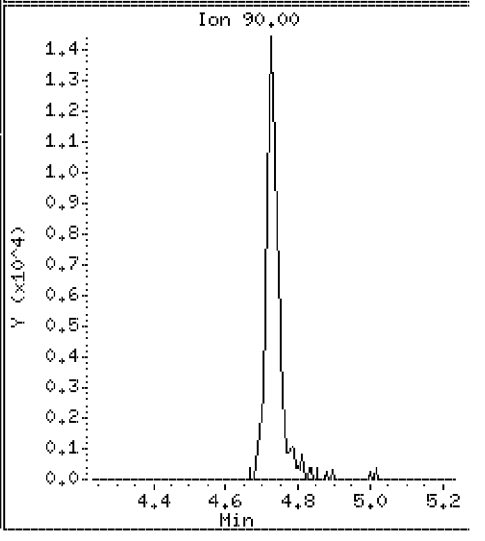












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

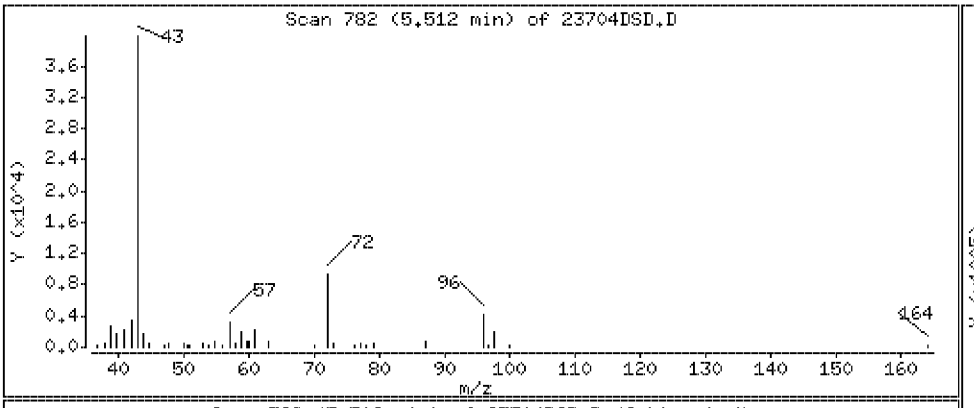
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

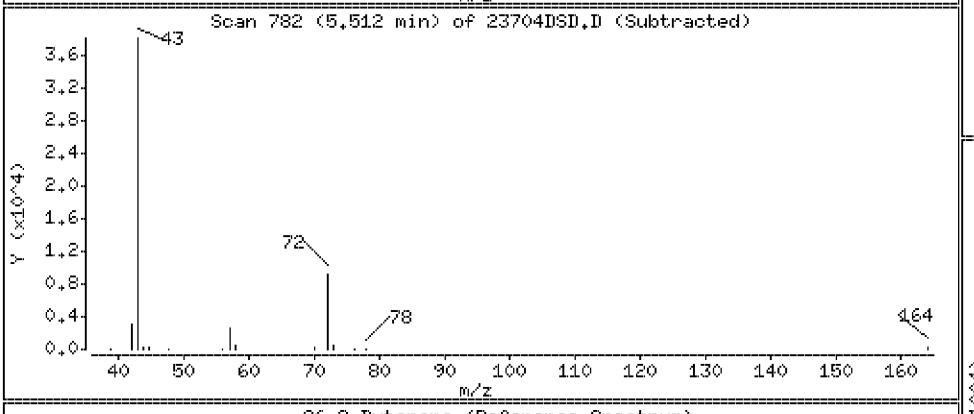
Sample Info: 350023704;3500237;5;

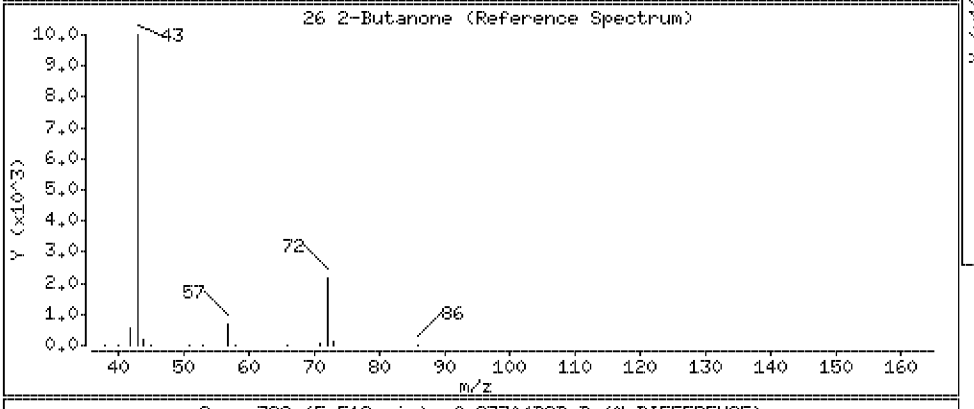
Purge Volume: 5.0 Operator:

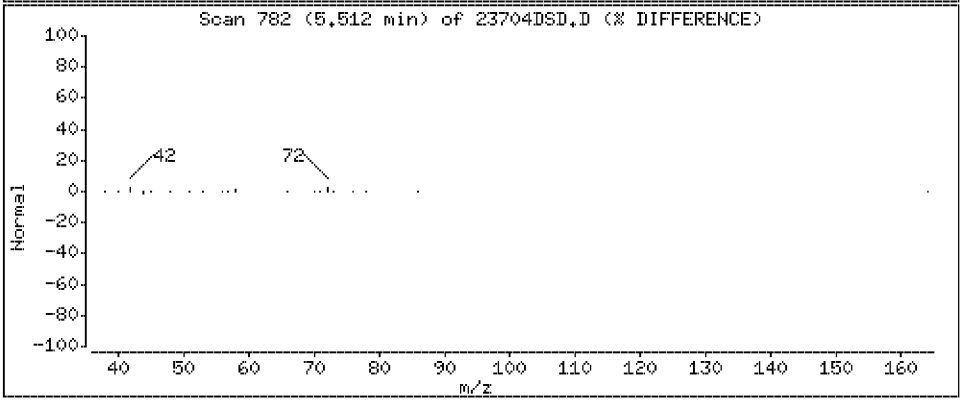
Column phase: RTX-502.2 Column diameter: 0.18

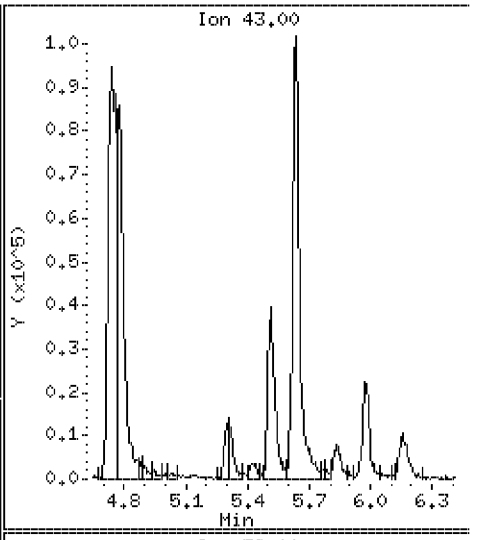
26 2-Butanone Concentration: 156 ug/l

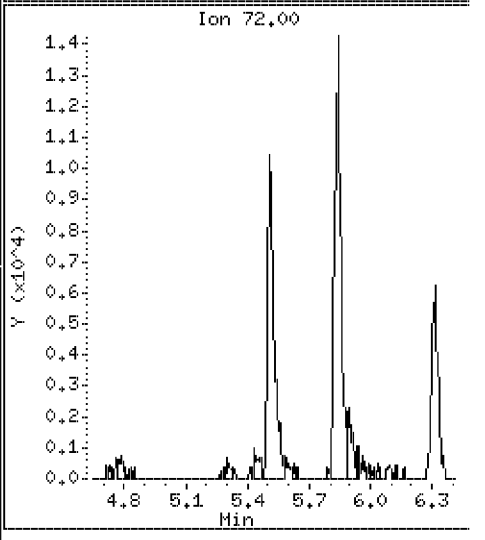












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

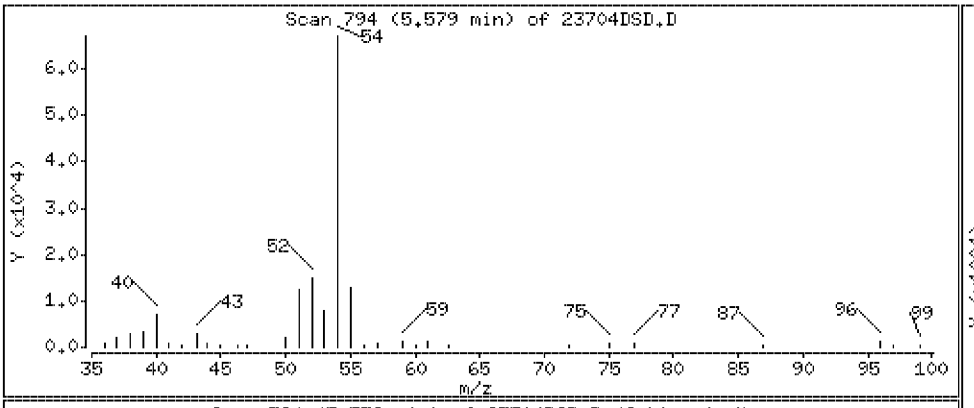
Operator:

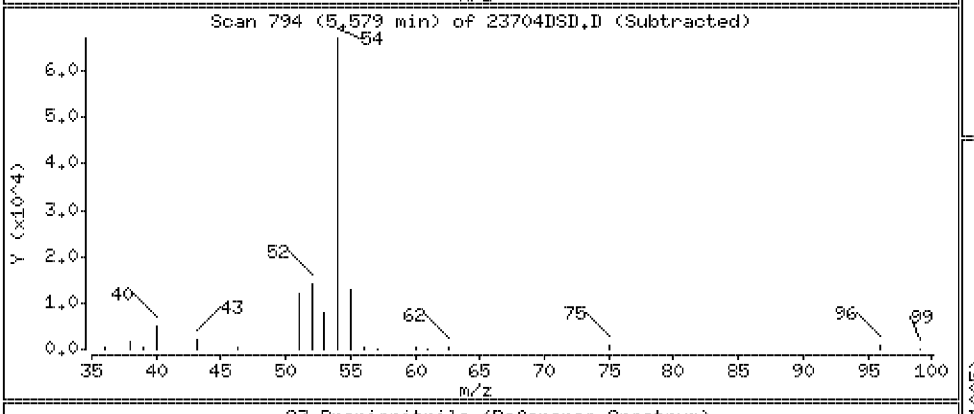
Column phase: RTX-502.2

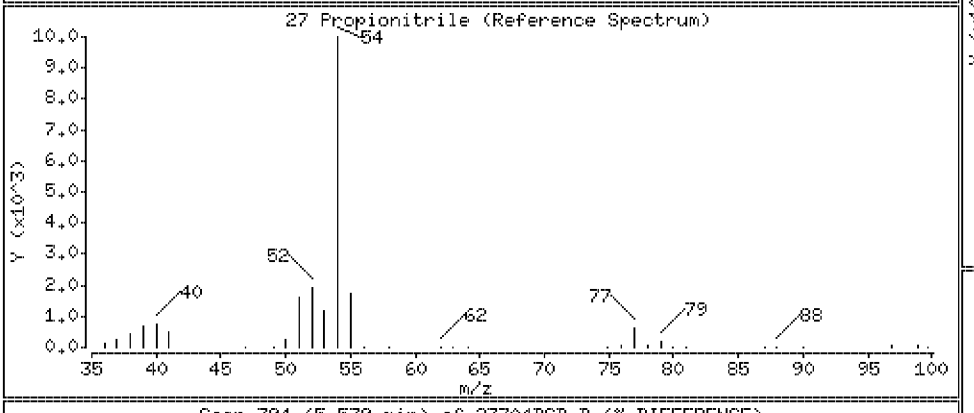
Column diameter: 0.18

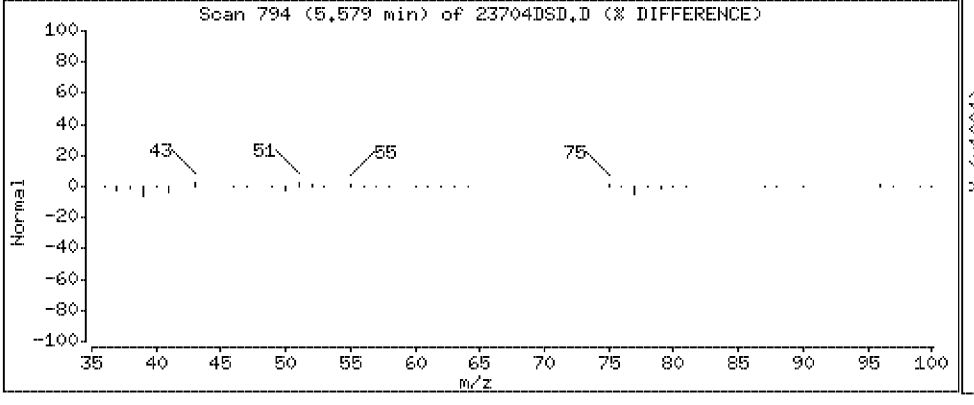
27 Propionitrile

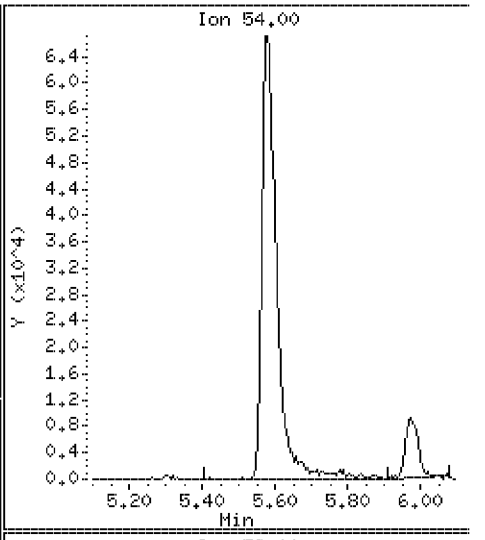
Concentration: 876 ug/l

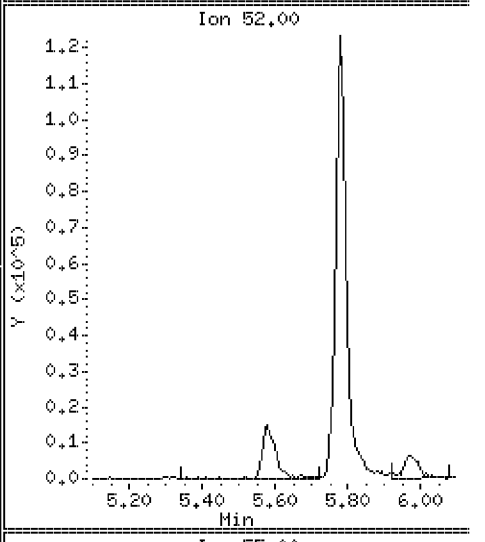


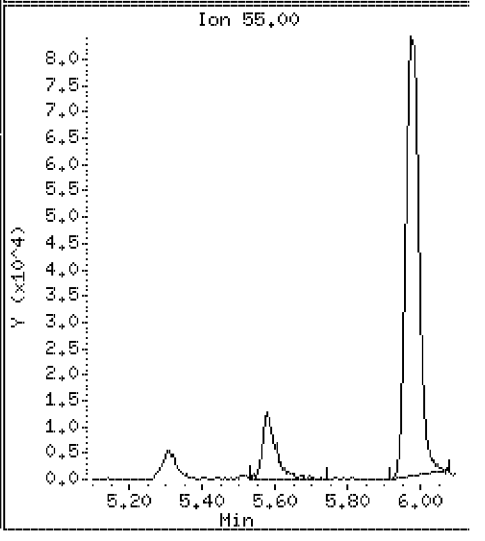












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

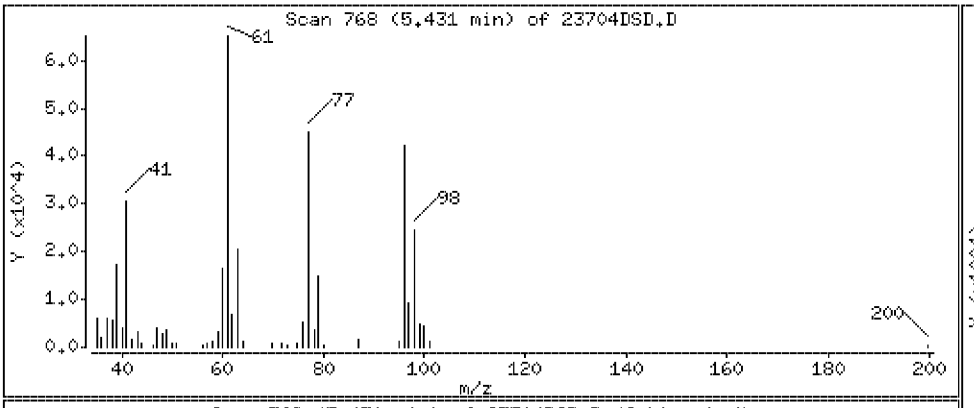
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

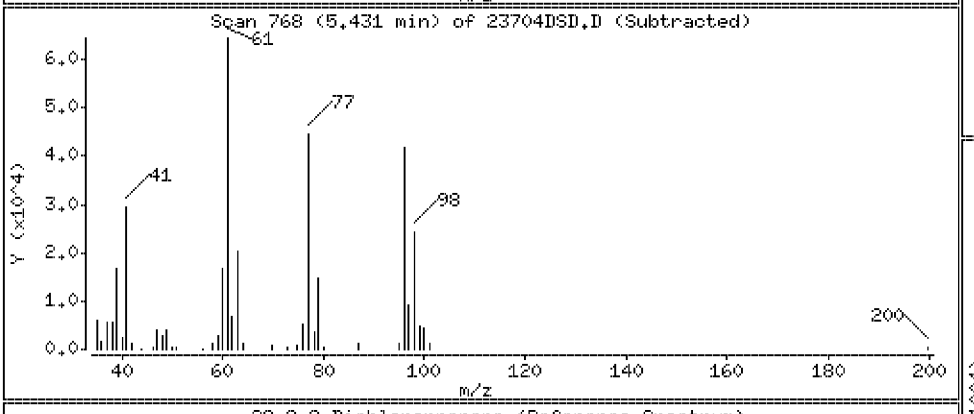
Sample Info: 350023704;3500237;5;

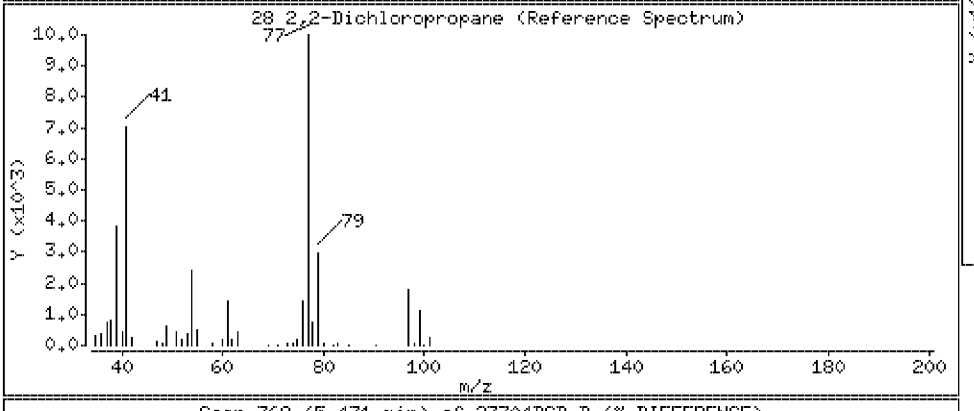
Purge Volume: 5.0 Operator:

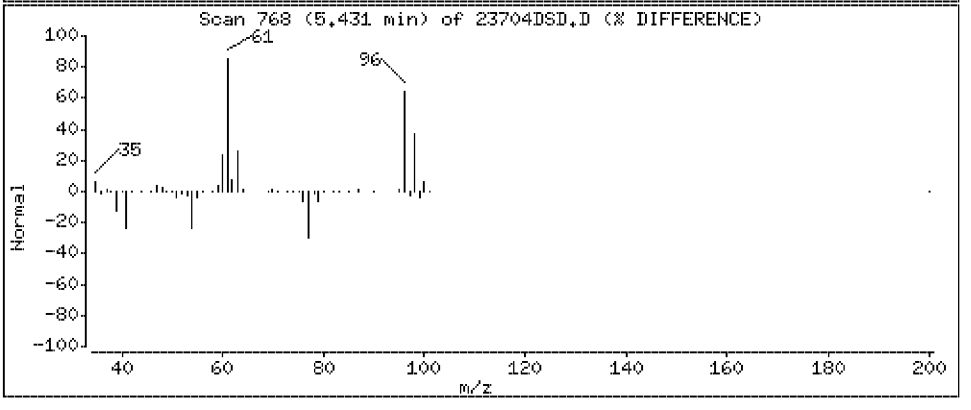
Column phase: RTX-502.2 Column diameter: 0.18

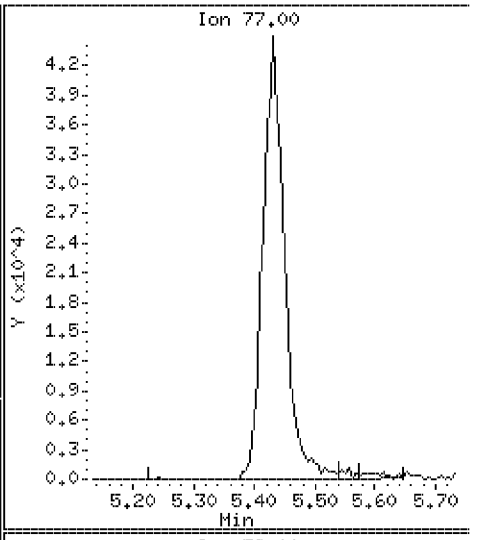
28 2,2-Dichloropropane Concentration: 88.9 ug/l

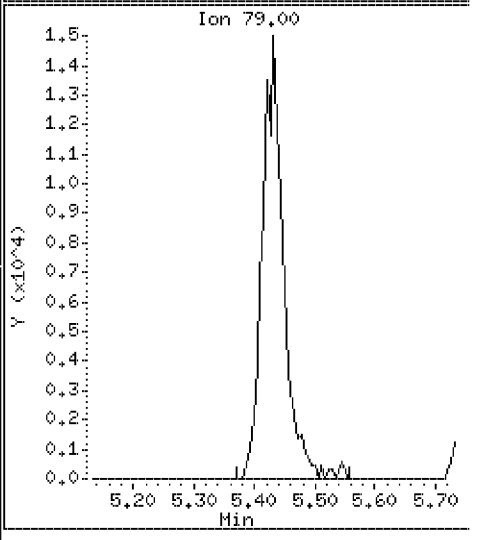












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

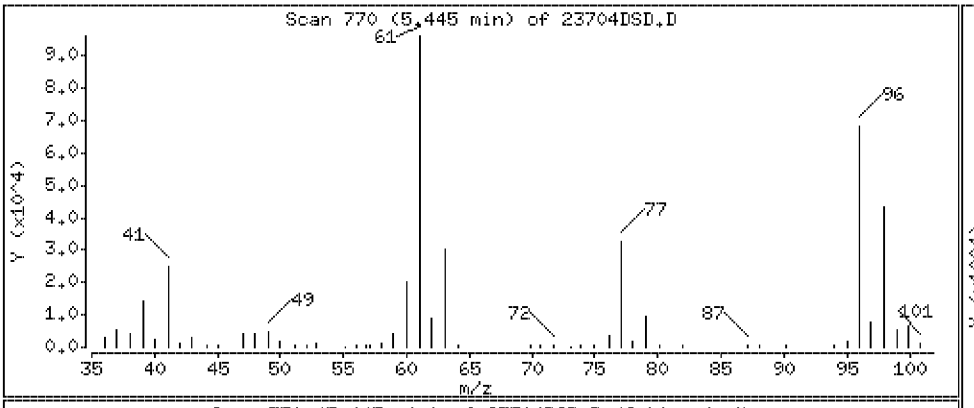
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

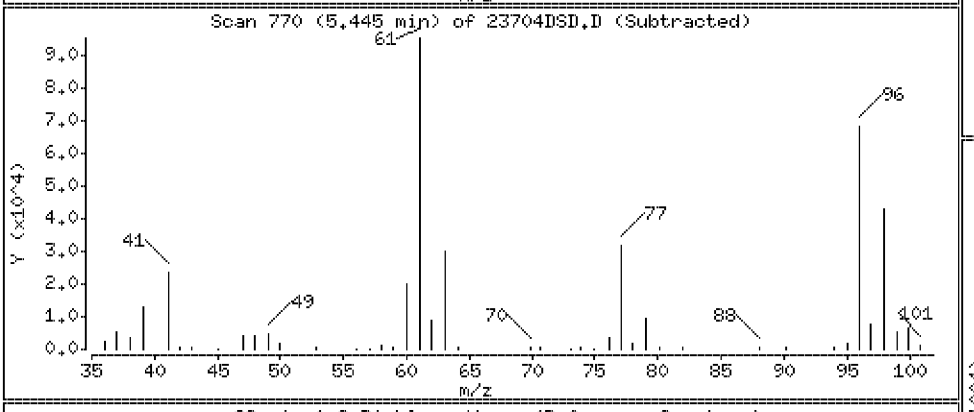
Sample Info: 350023704;3500237;5;

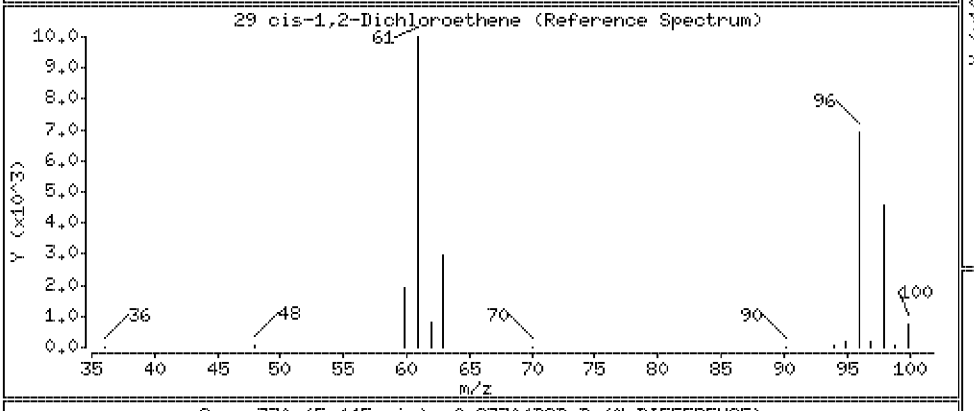
Purge Volume: 5.0 Operator:

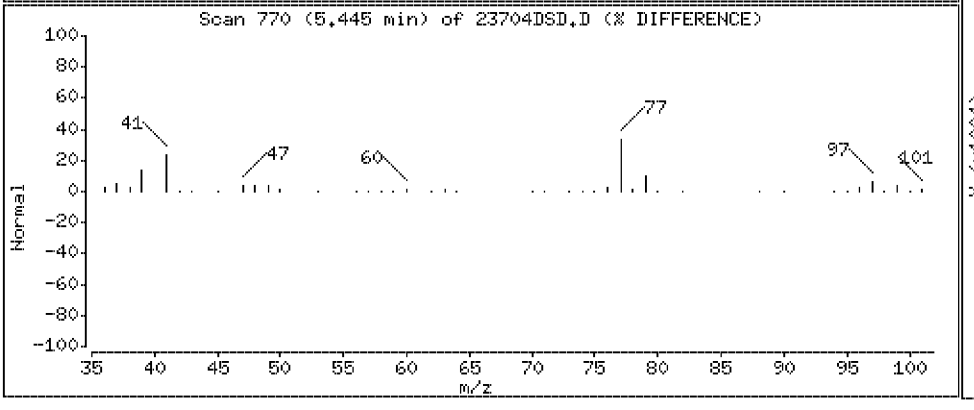
Column phase: RTX-502.2 Column diameter: 0.18

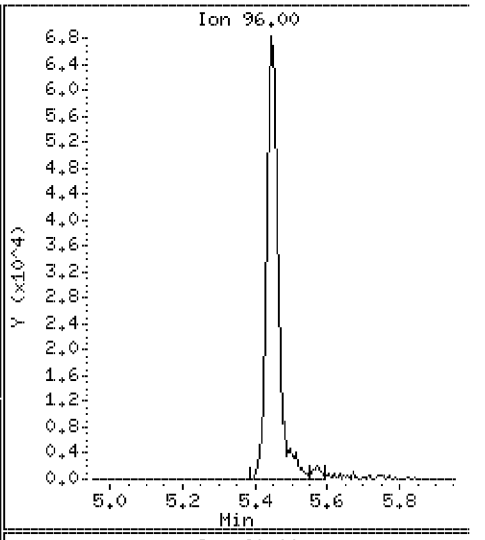
29 cis-1,2-Dichloroethene Concentration: 84.5 ug/l

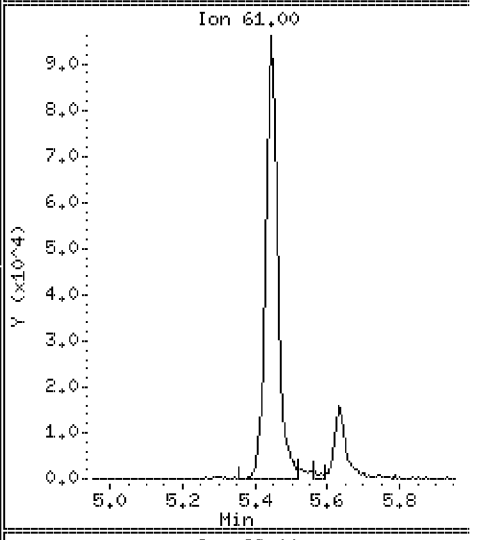


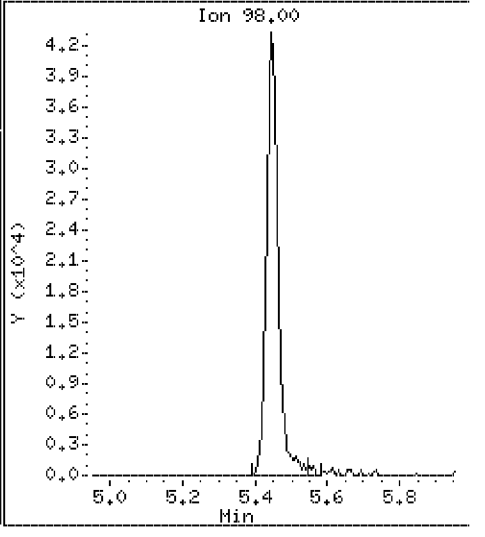












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

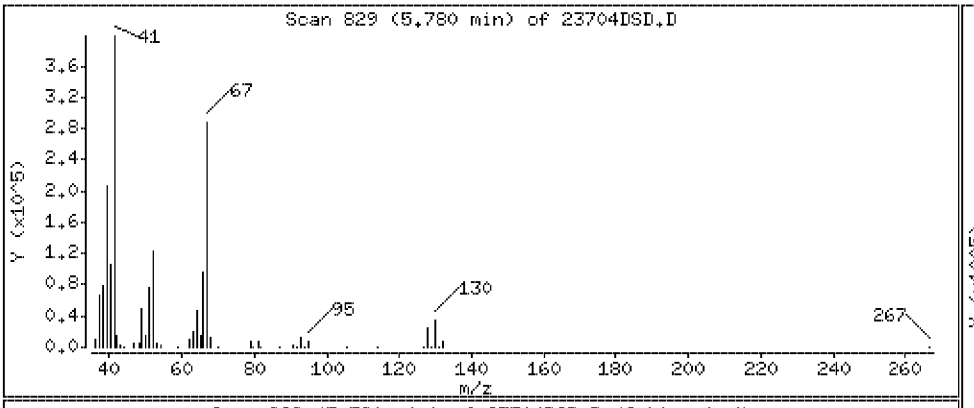
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

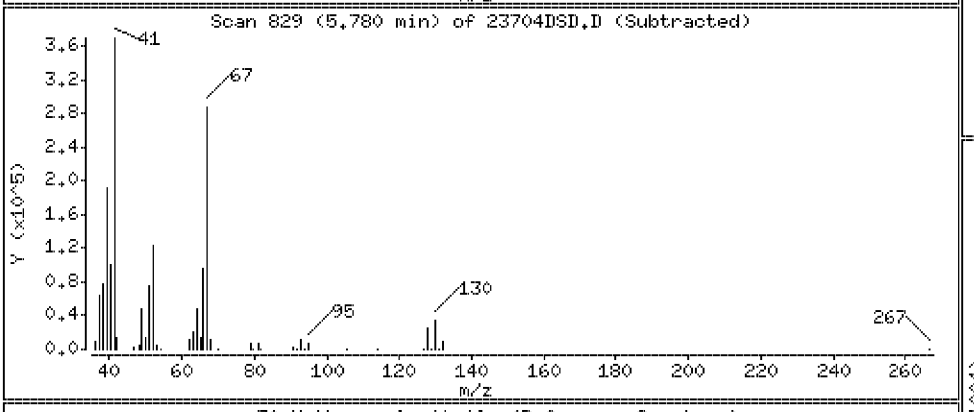
Sample Info: 350023704;3500237;5;

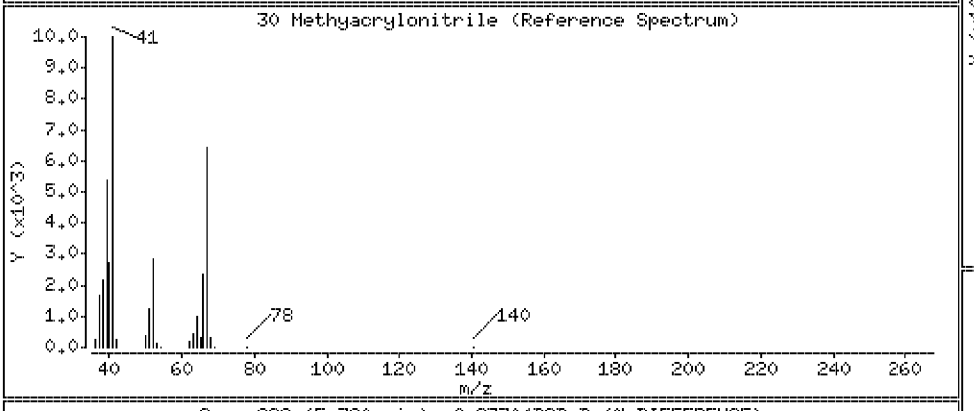
Purge Volume: 5.0 Operator:

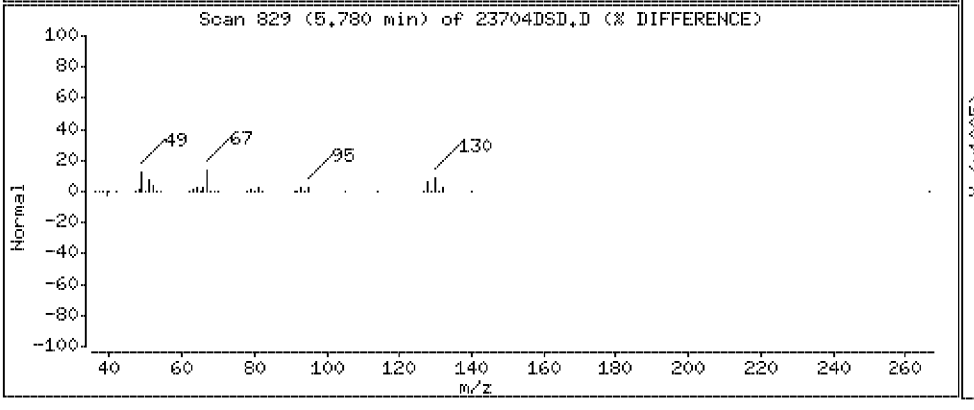
Column phase: RTX-502.2 Column diameter: 0.18

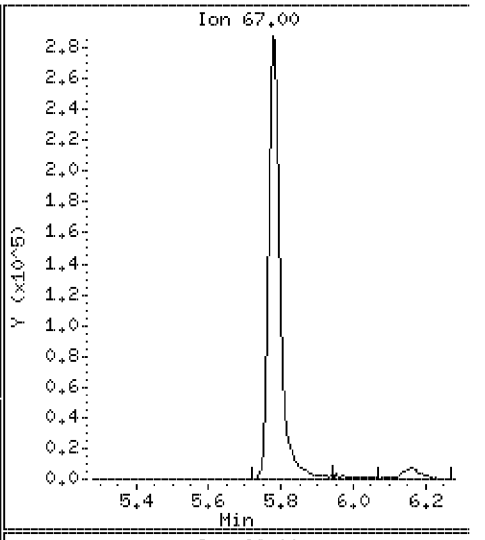
30 Methyacrylonitrile Concentration: 1050 ug/l

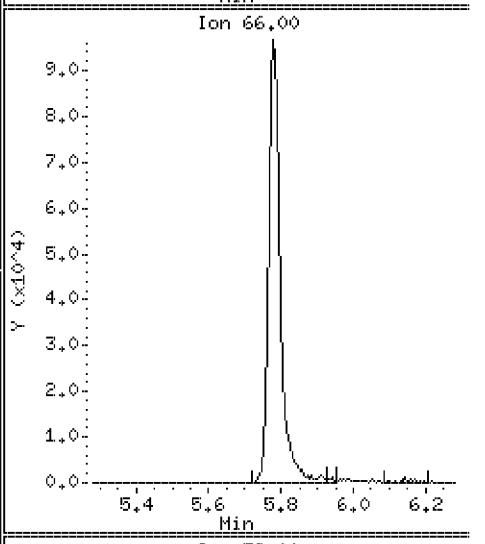


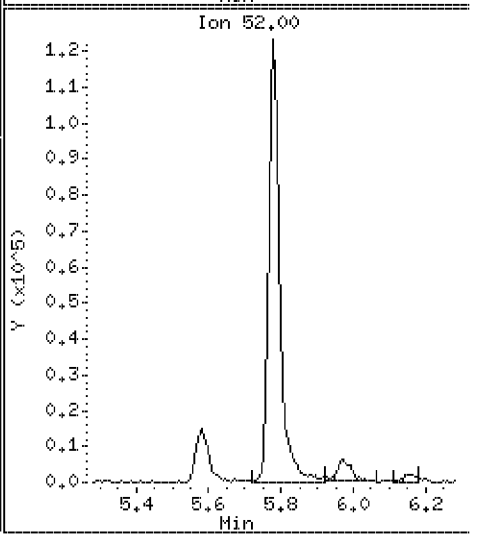












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

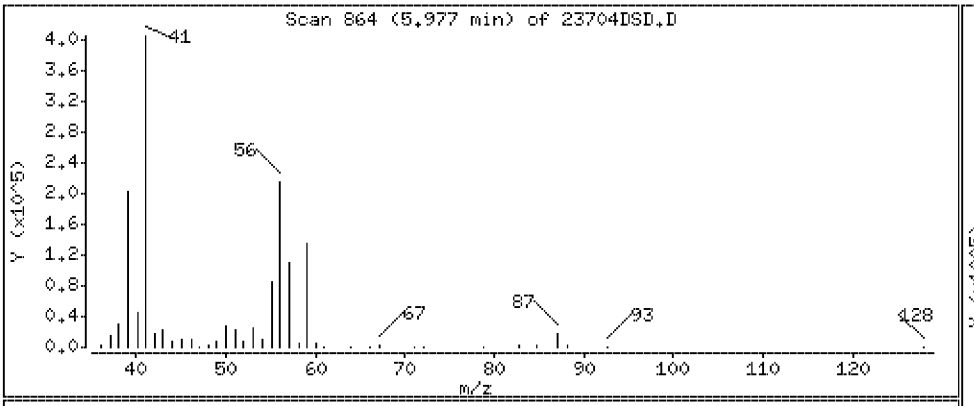
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

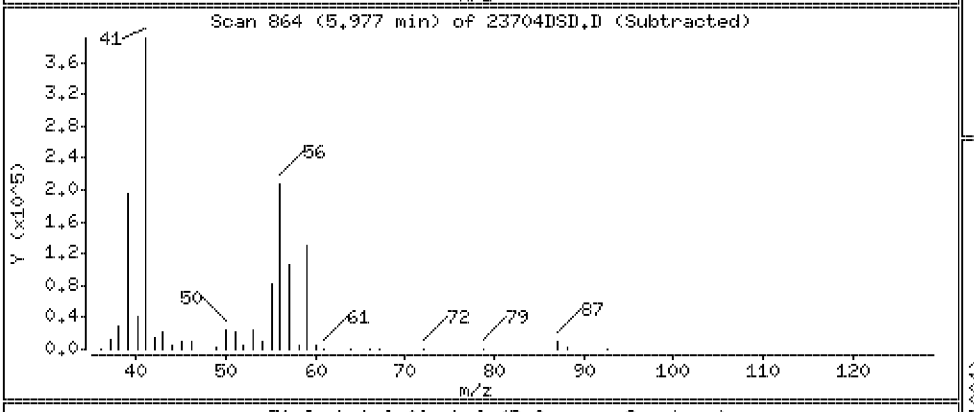
Sample Info: 350023704;3500237;5;

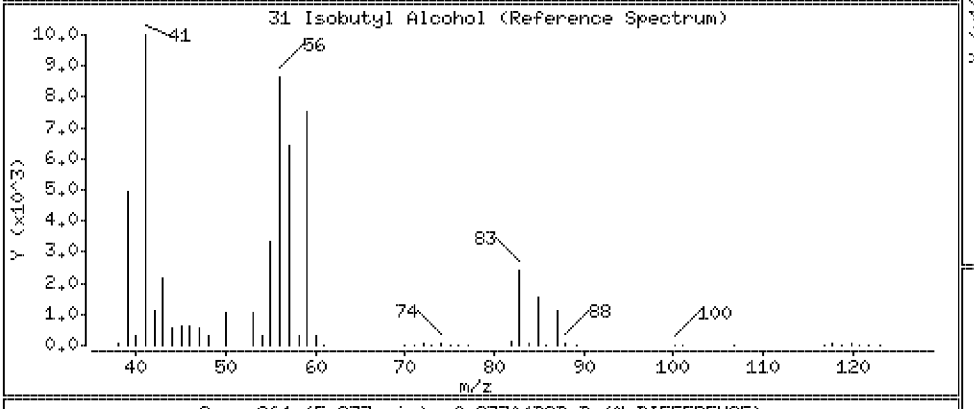
Purge Volume: 5.0 Operator:

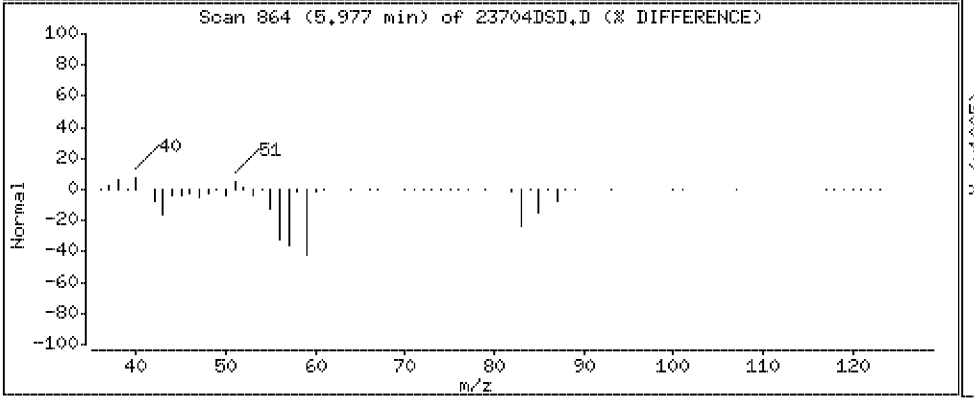
Column phase: RTX-502.2 Column diameter: 0.18

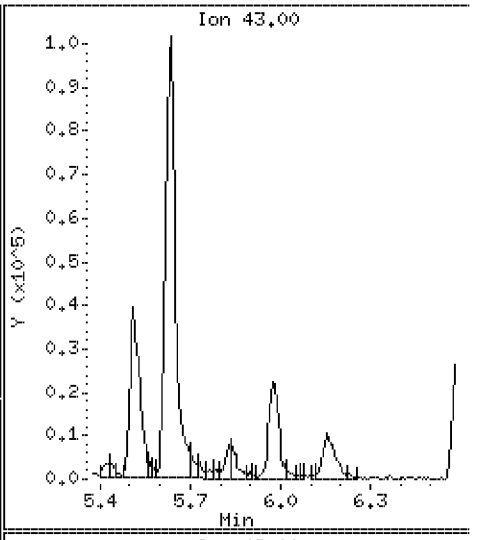
31 Isobutyl Alcohol Concentration: 907 ug/l

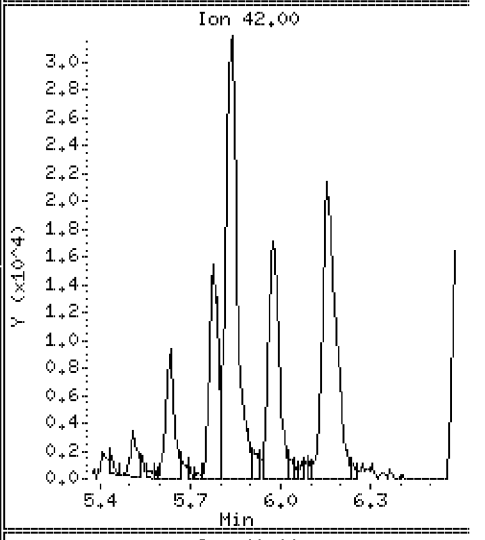


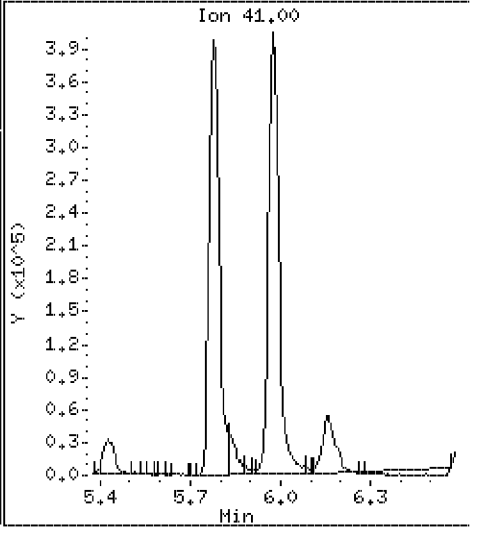












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

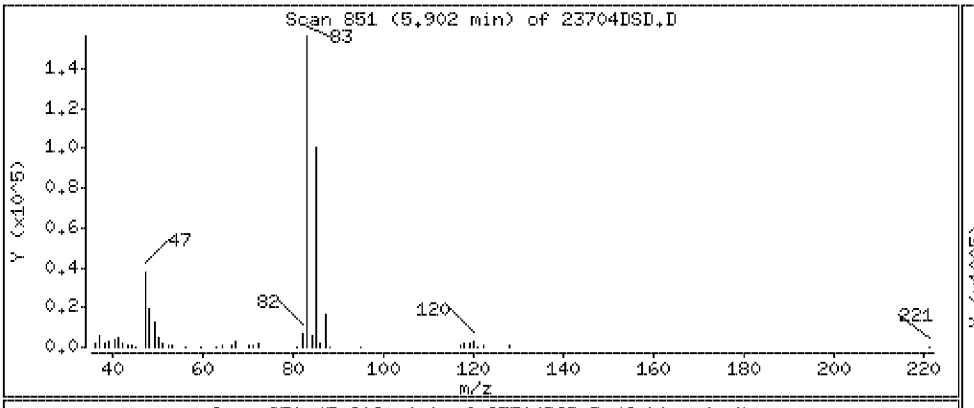
Operator:

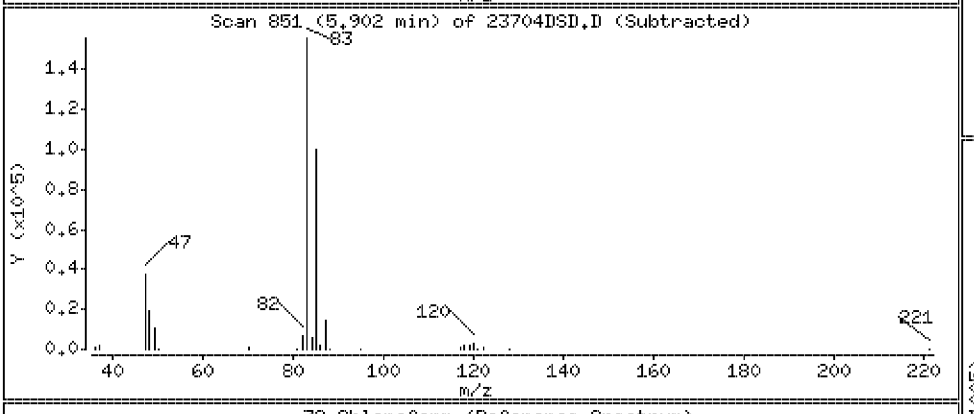
Column phase: RTX-502.2

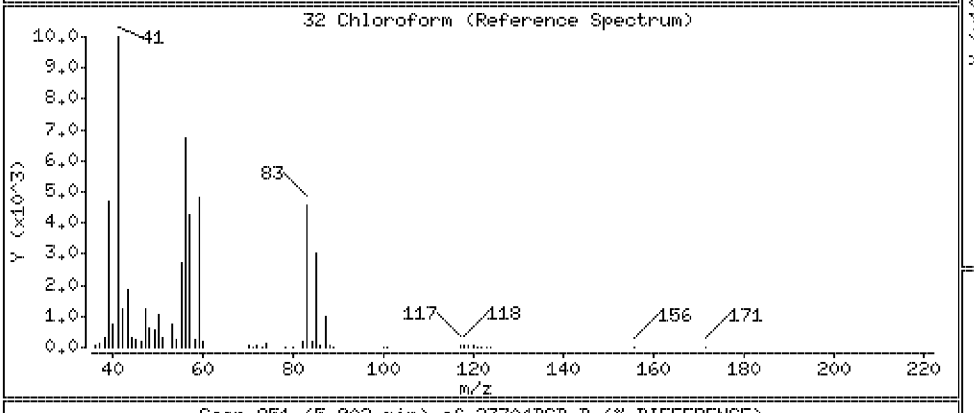
Column diameter: 0.18

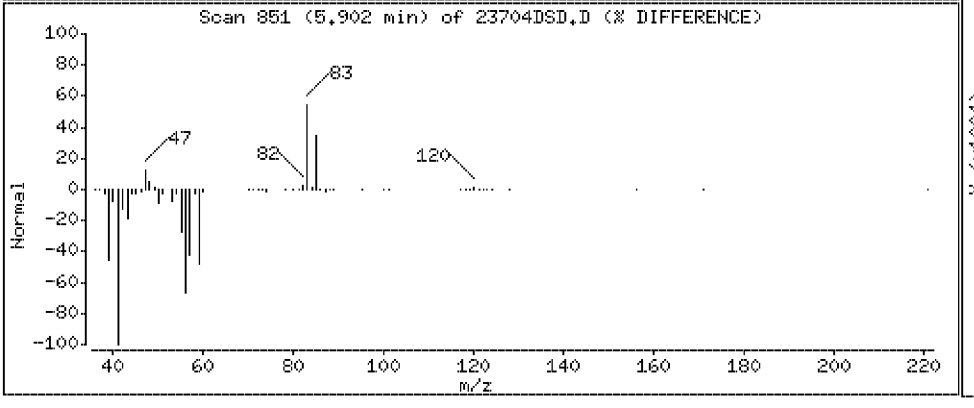
32 Chloroform

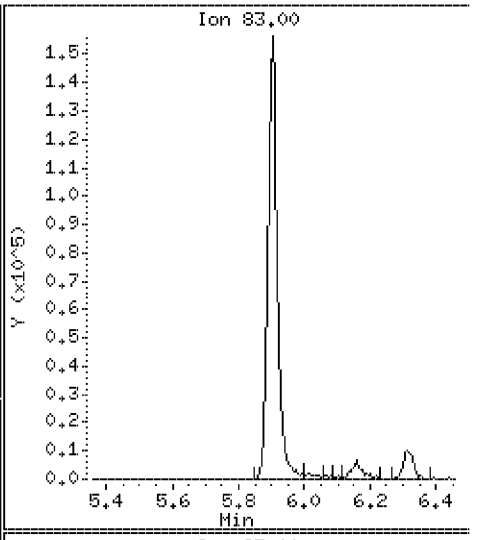
Concentration: 106 ug/l

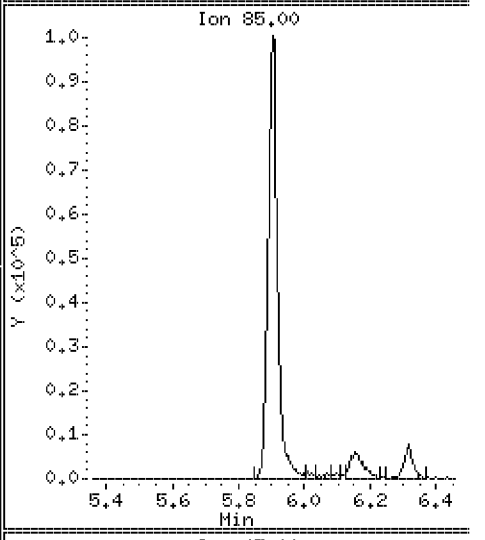


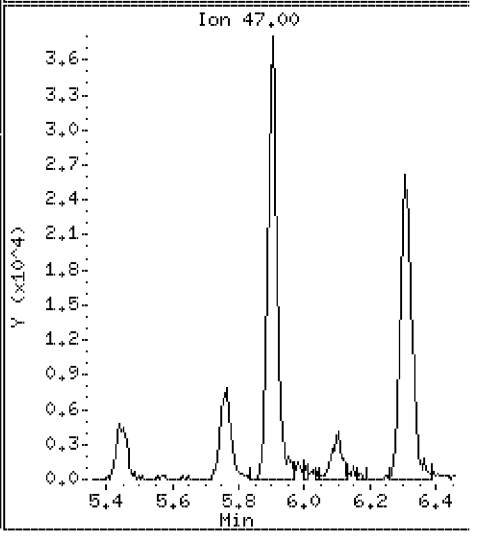












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

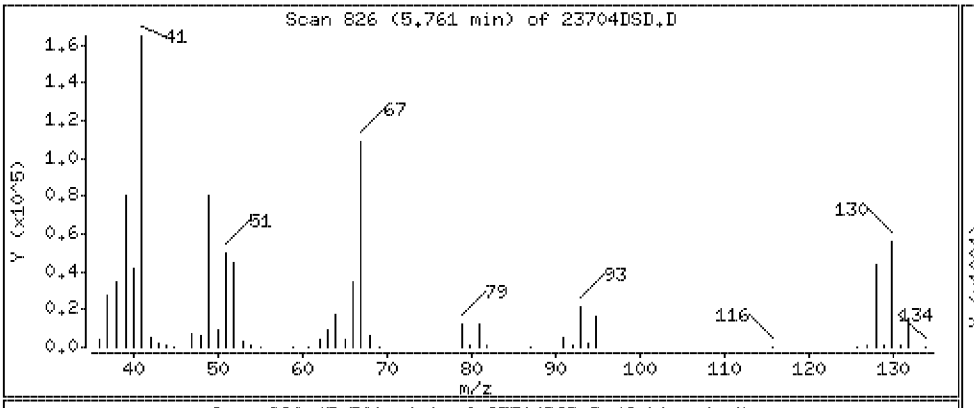
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

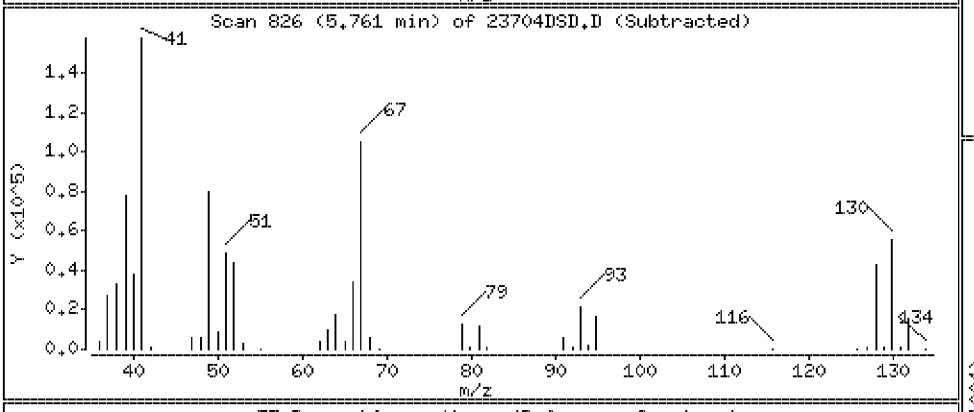
Sample Info: 350023704;3500237;5;

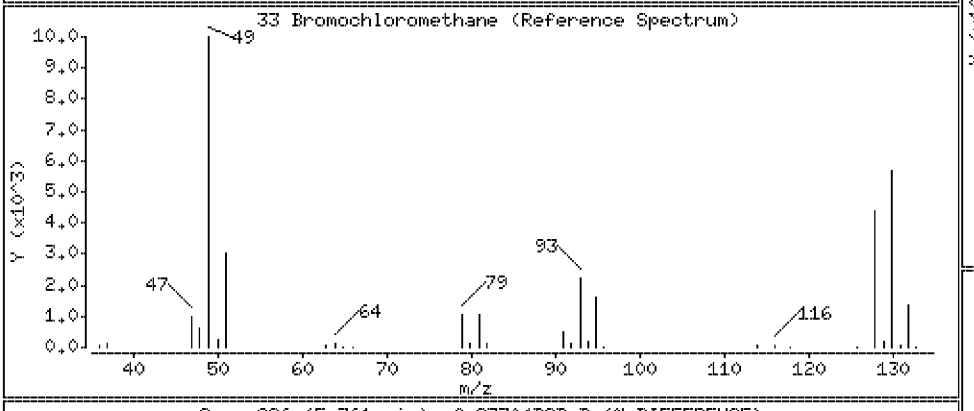
Purge Volume: 5.0 Operator:

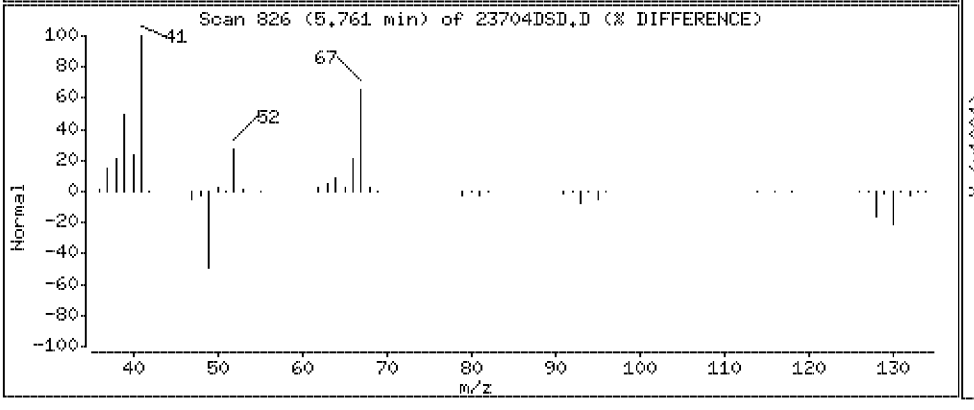
Column phase: RTX-502.2 Column diameter: 0.18

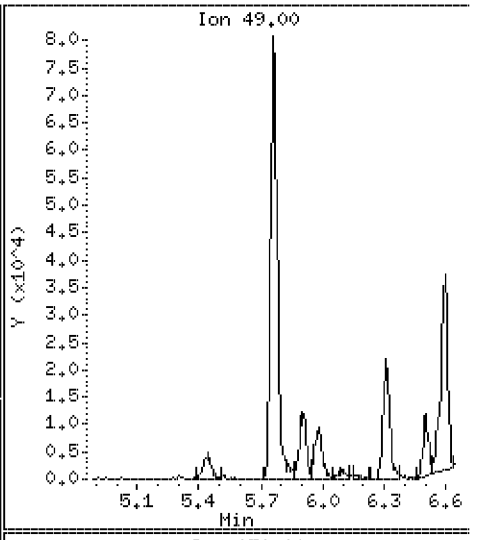
33 Bromochloromethane Concentration: 104 ug/l

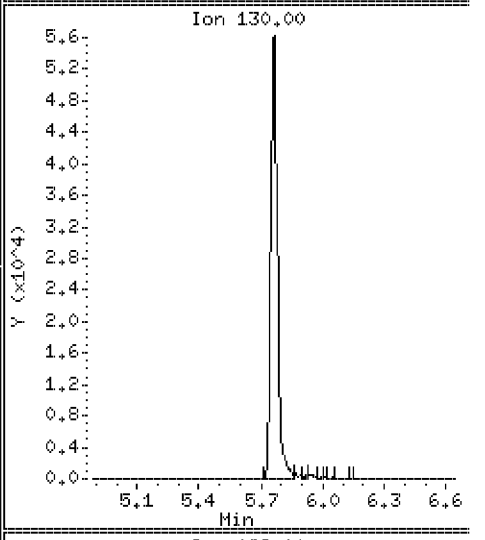


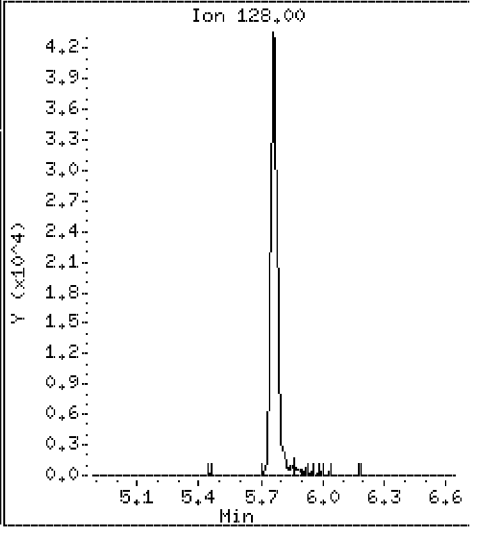












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

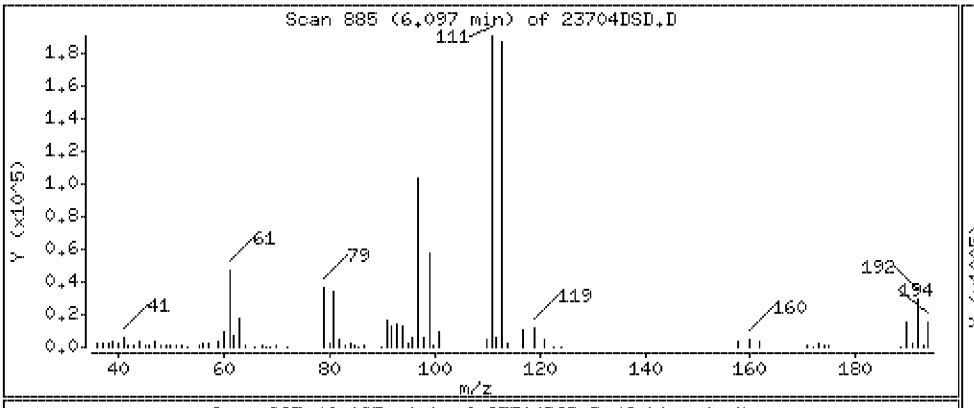
Operator:

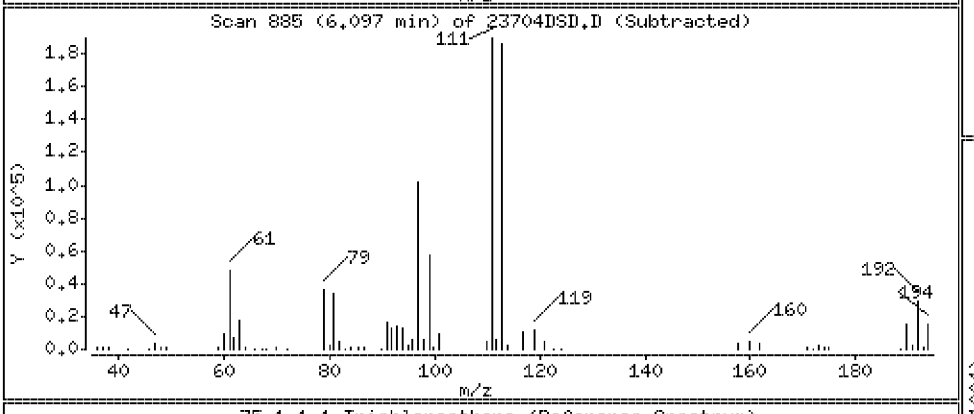
Column phase: RTX-502.2

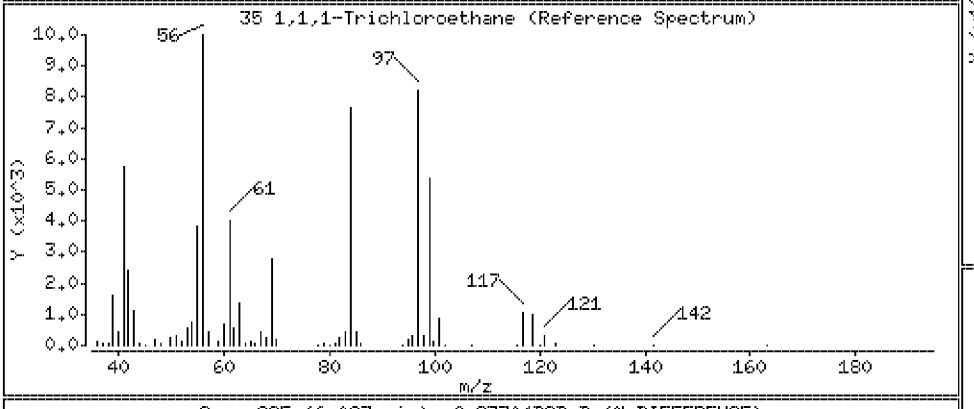
Column diameter: 0.18

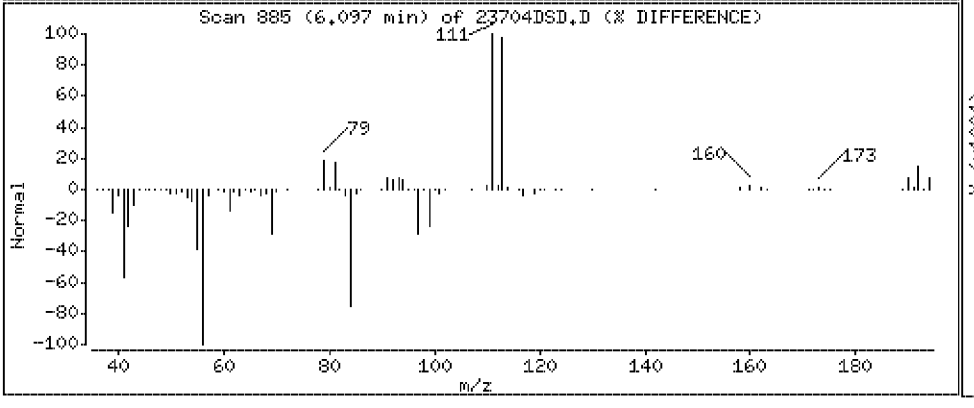
35 1,1,1-Trichloroethane

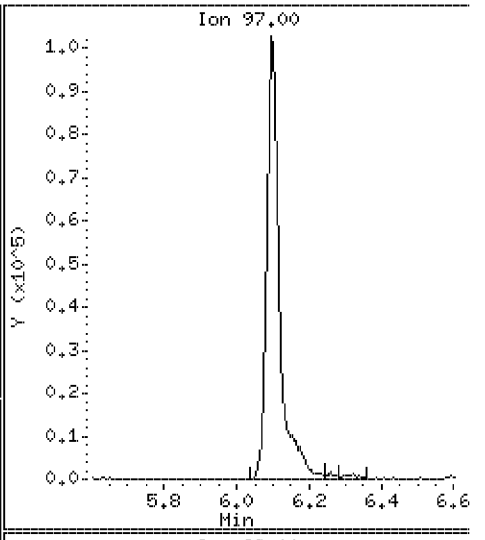
Concentration: 110 ug/l

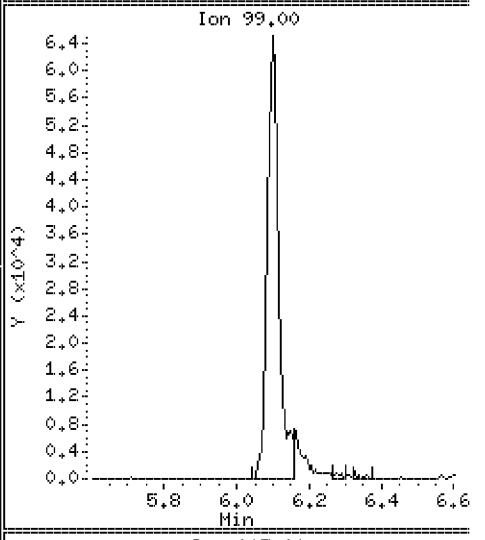


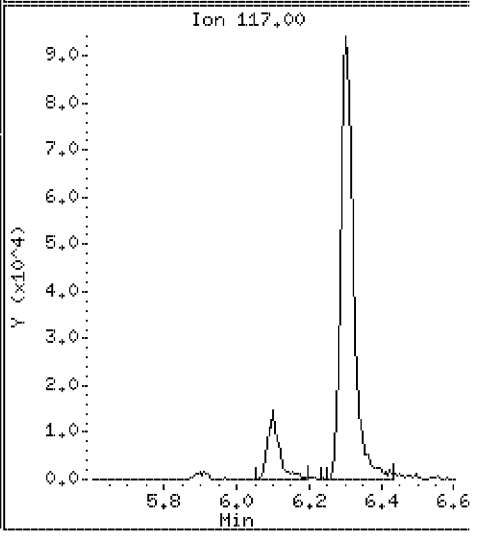












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

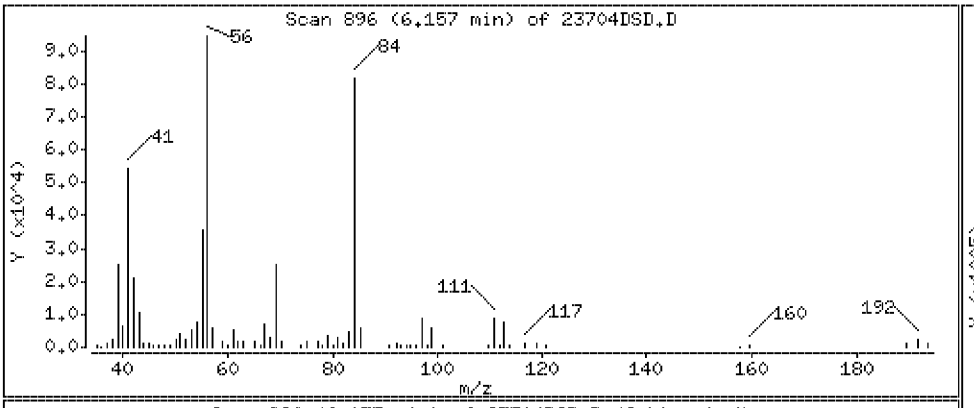
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

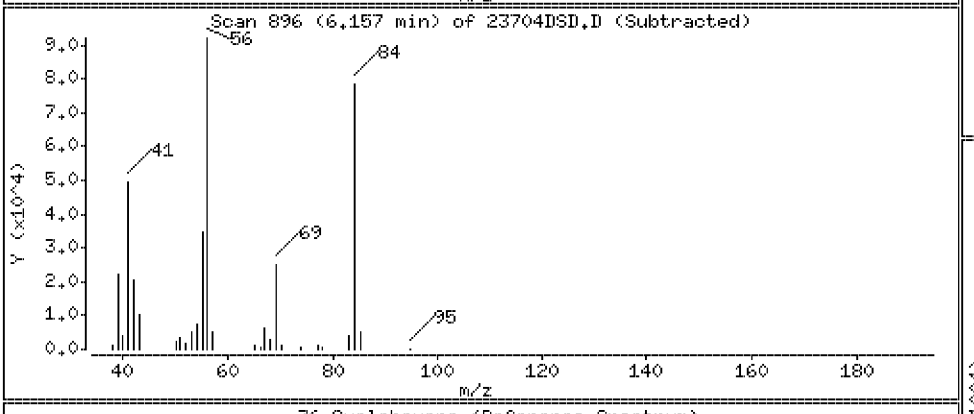
Sample Info: 350023704;3500237;5;

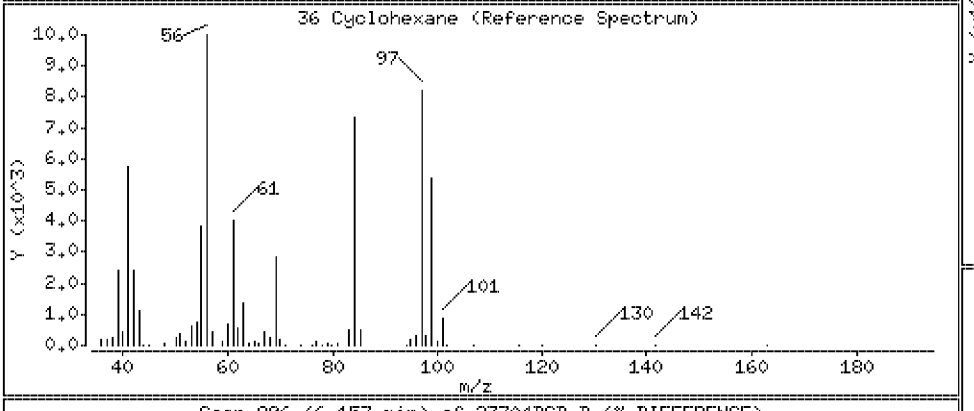
Purge Volume: 5.0 Operator:

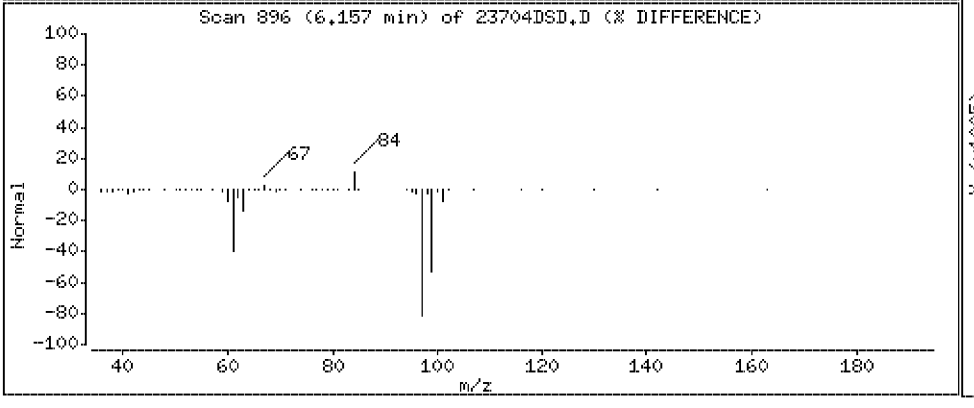
Column phase: RTX-502.2 Column diameter: 0.18

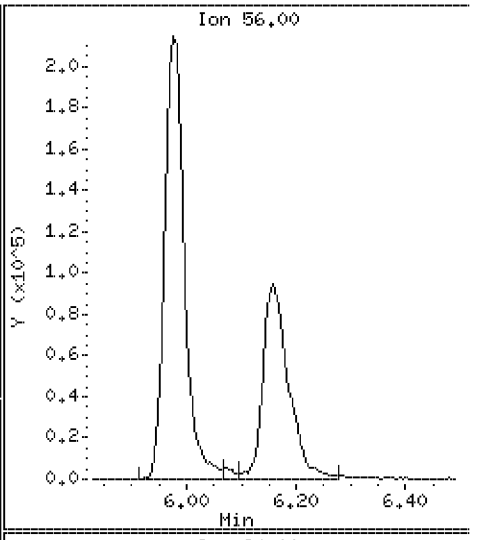
36 Cyclohexane Concentration: 104 ug/l

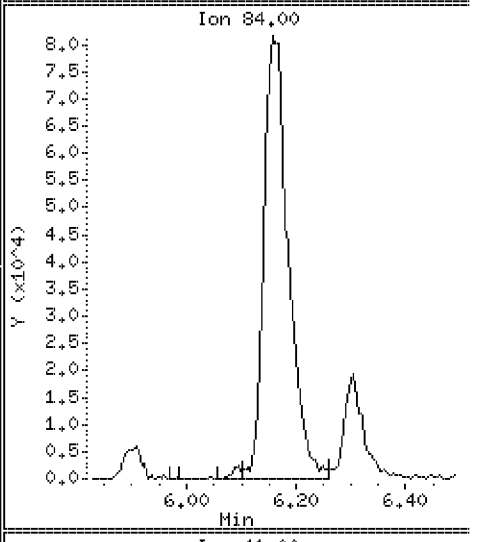


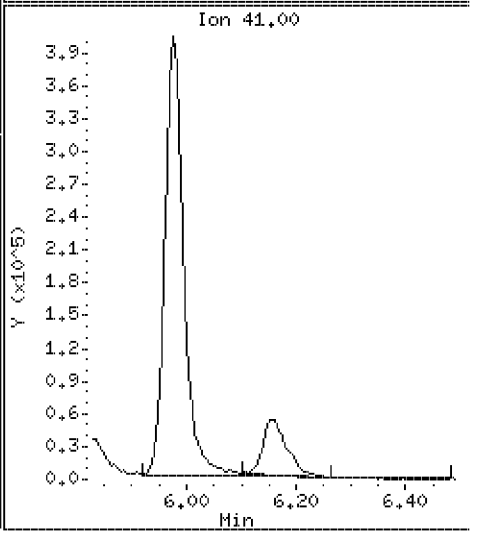












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

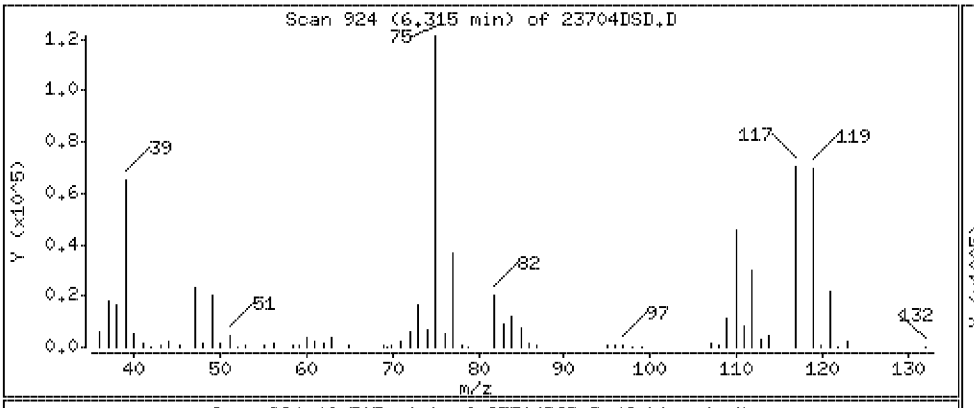
Operator:

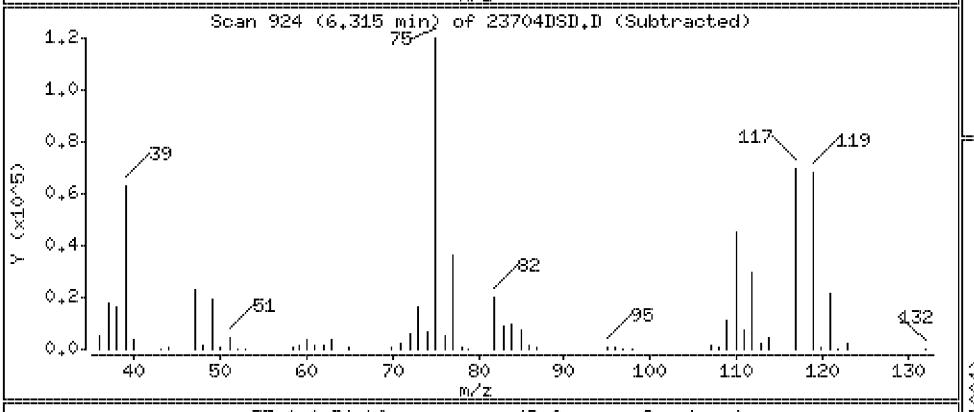
Column phase: RTX-502.2

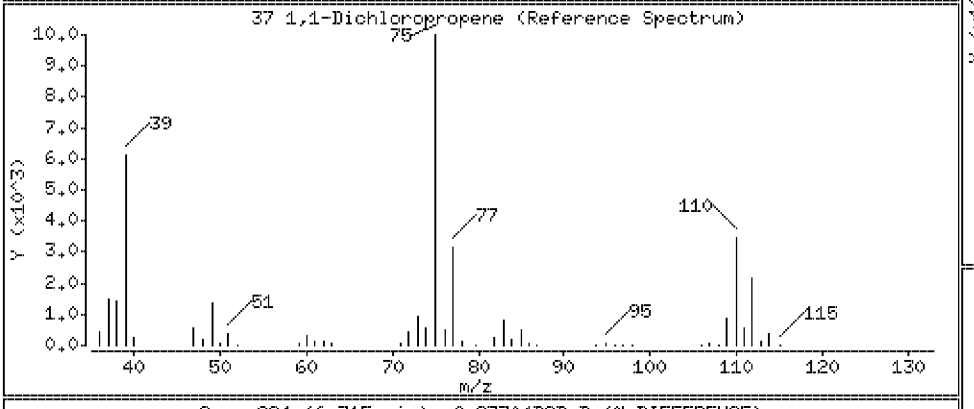
Column diameter: 0.18

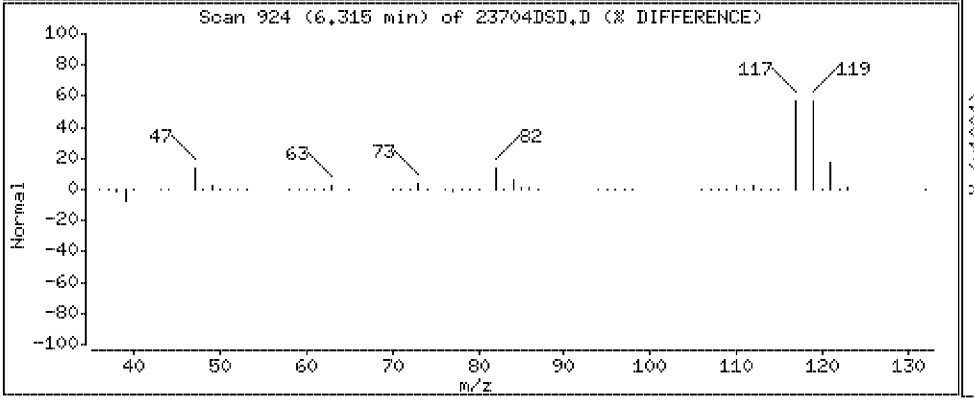
37 1,1-Dichloropropene

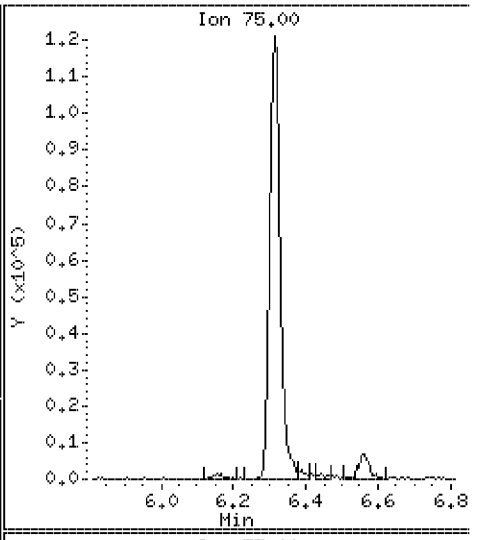
Concentration: 108 ug/l

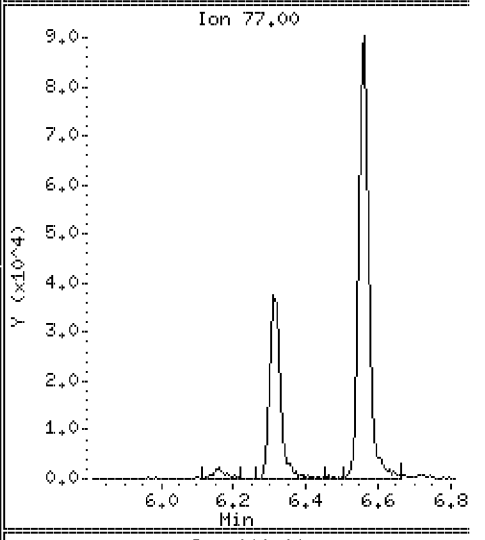


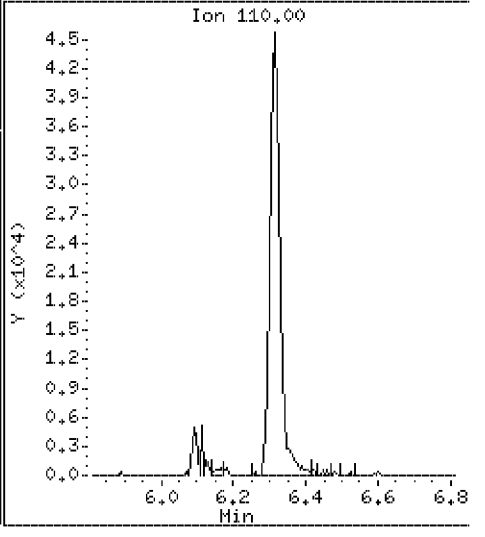












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

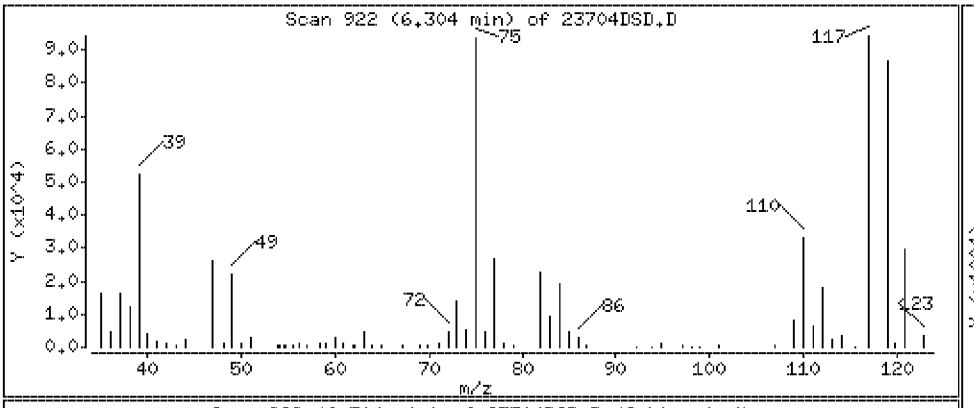
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

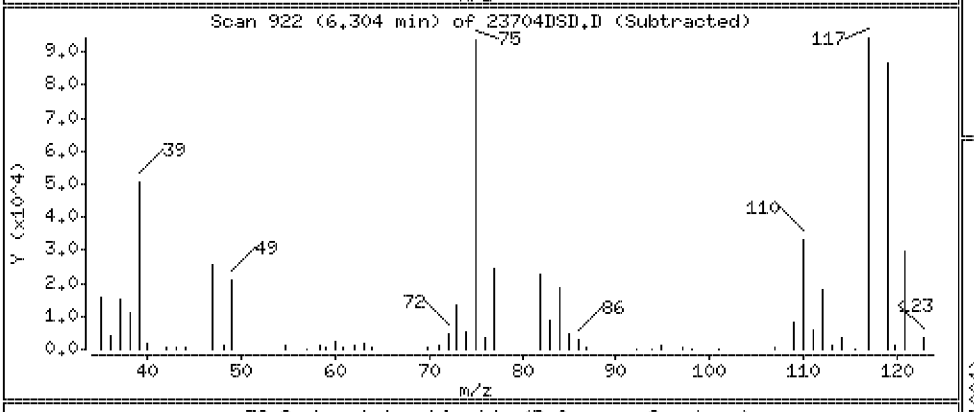
Sample Info: 350023704;3500237;5;

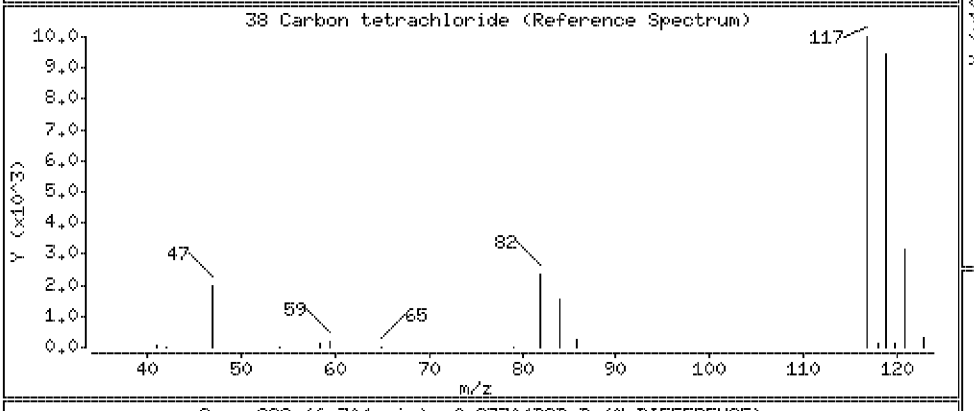
Purge Volume: 5.0 Operator:

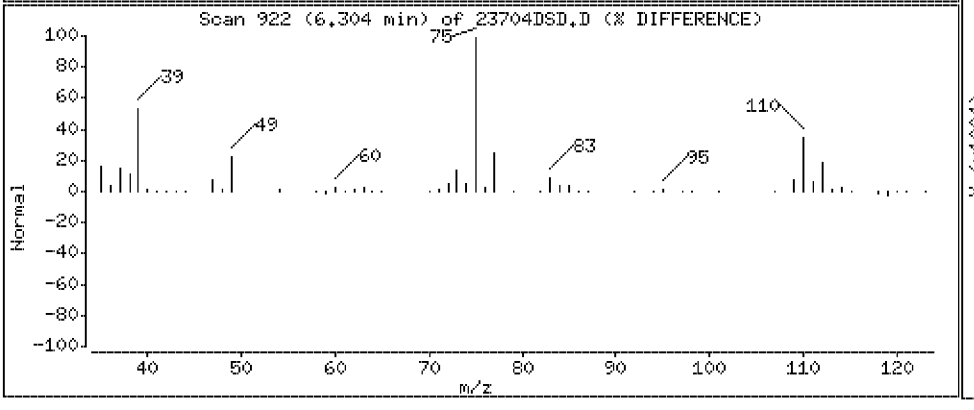
Column phase: RTX-502.2 Column diameter: 0.18

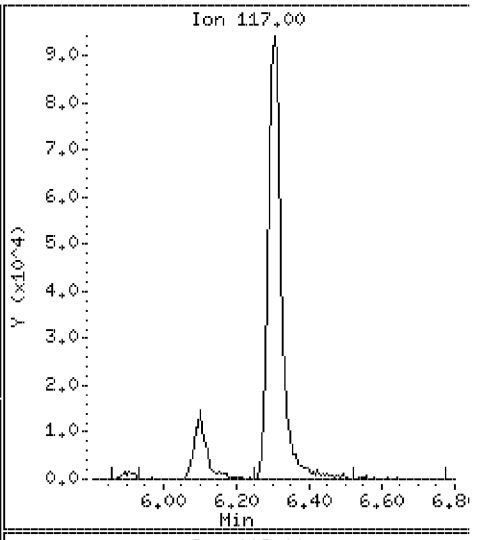
38 Carbon tetrachloride Concentration: 96.1 ug/l

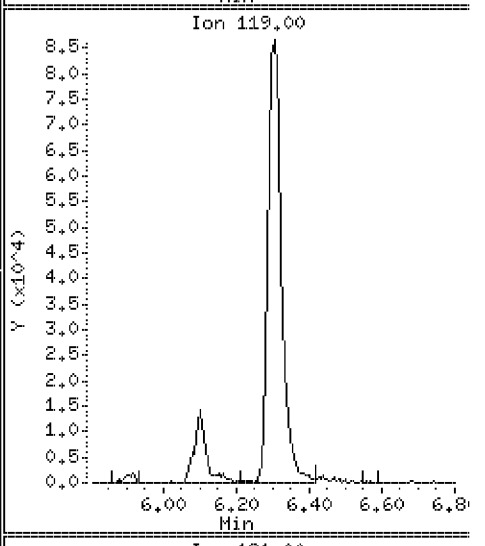


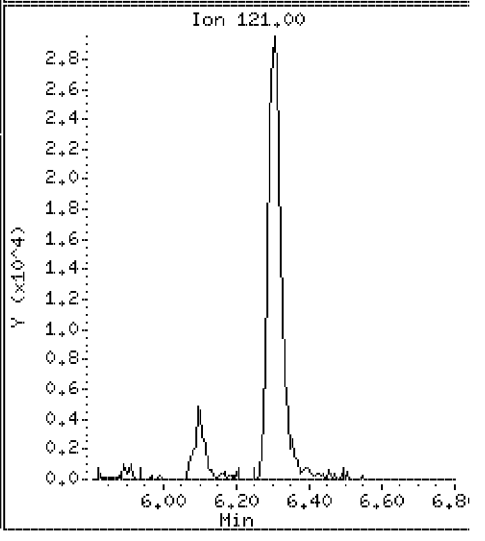












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

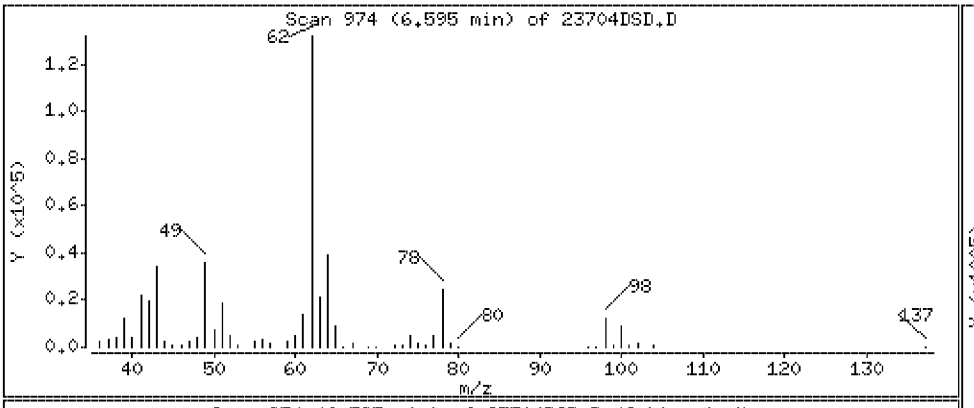
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

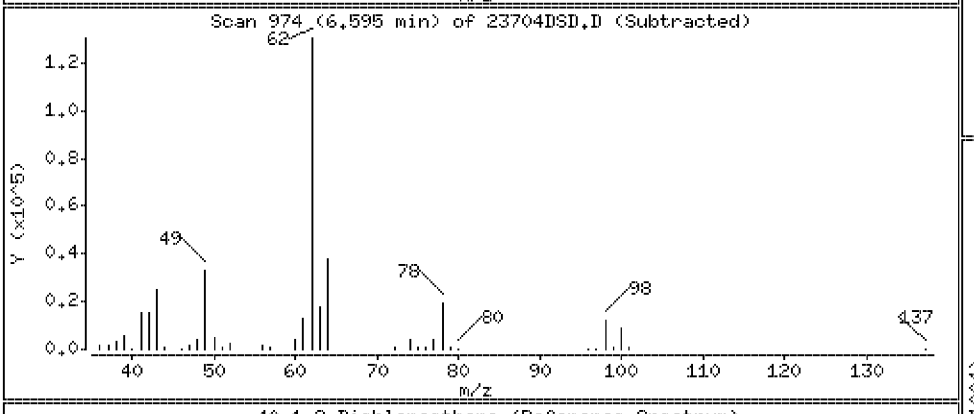
Sample Info: 350023704;3500237;5;

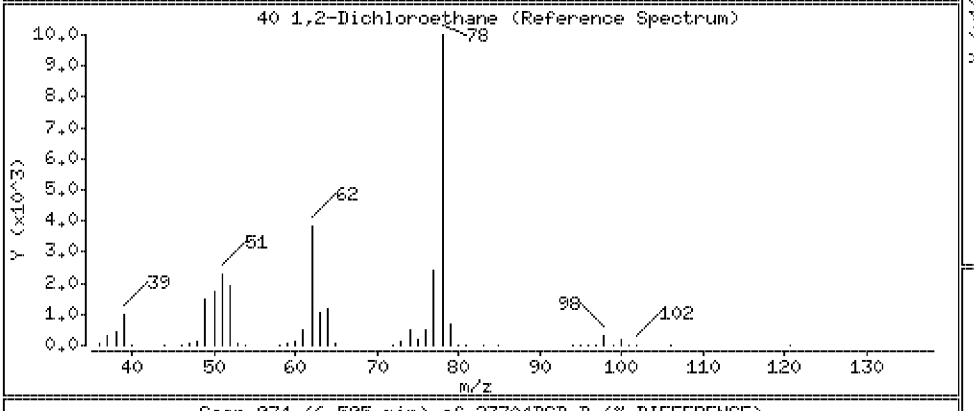
Purge Volume: 5.0 Operator:

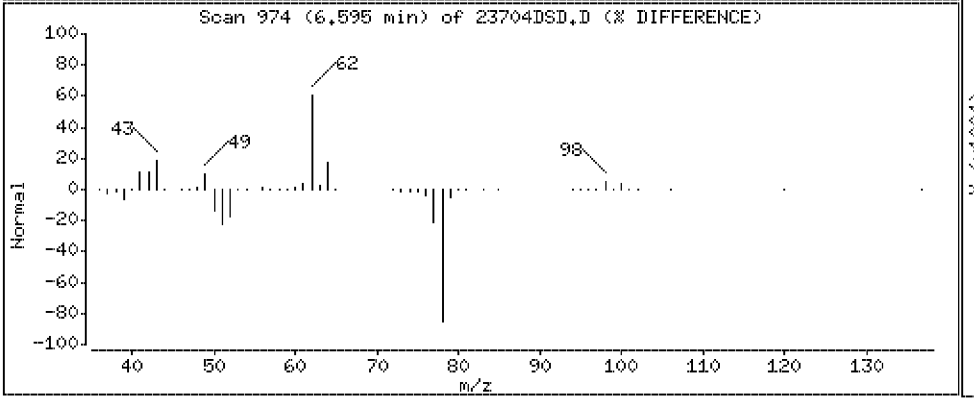
Column phase: RTX-502.2 Column diameter: 0.18

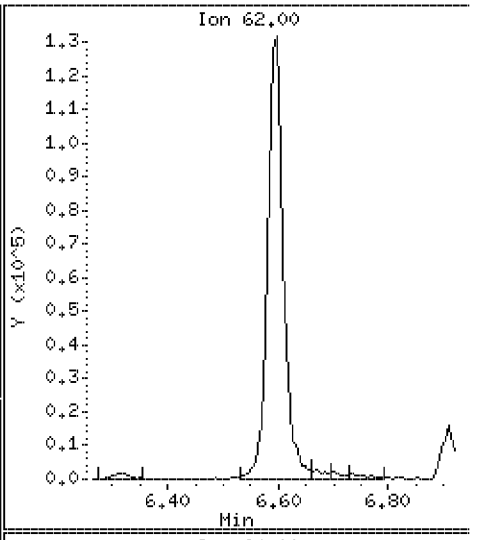
40 1,2-Dichloroethane Concentration: 103 ug/l

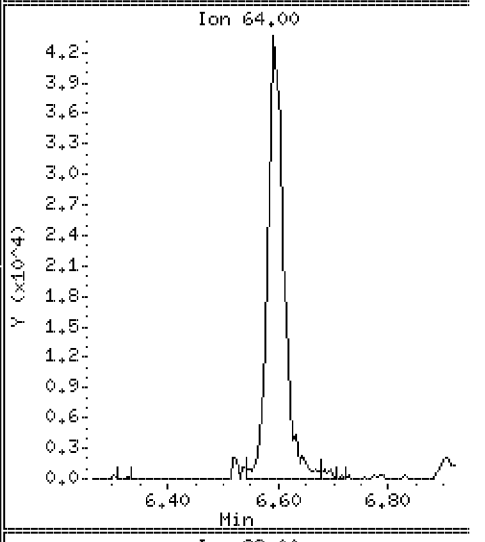


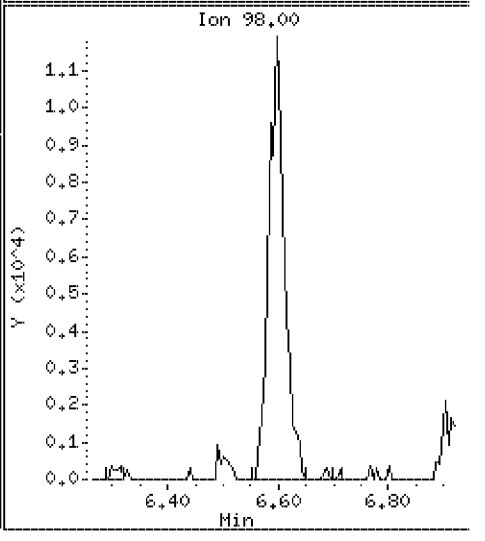












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

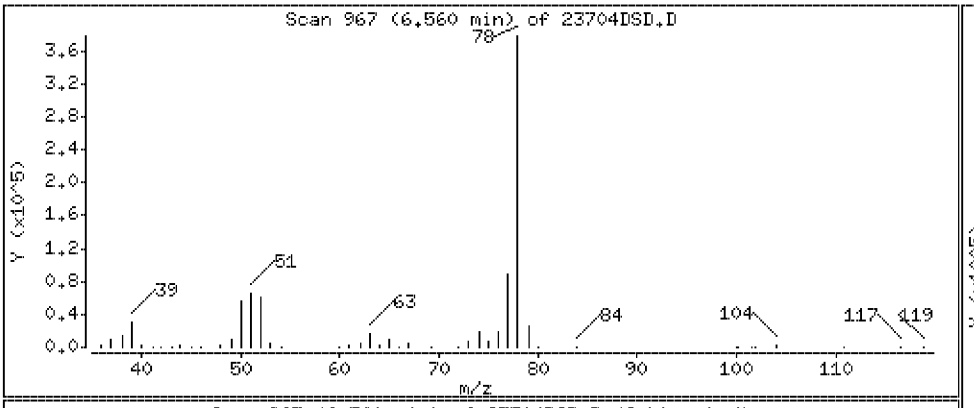
Operator:

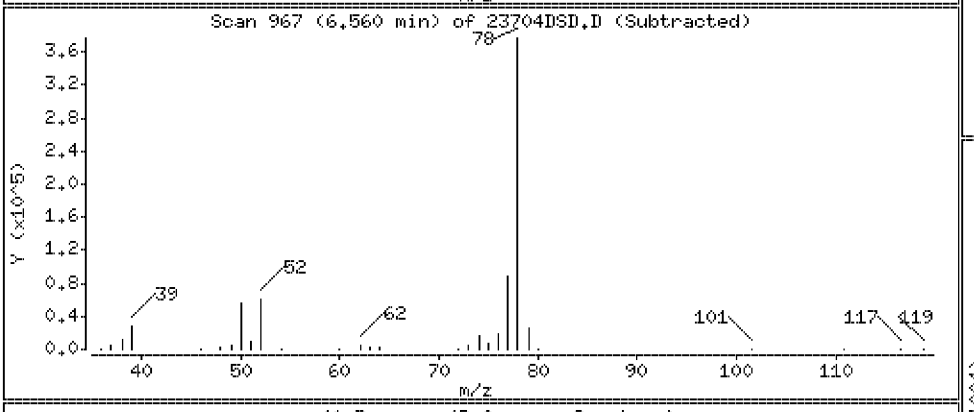
Column phase: RTX-502.2

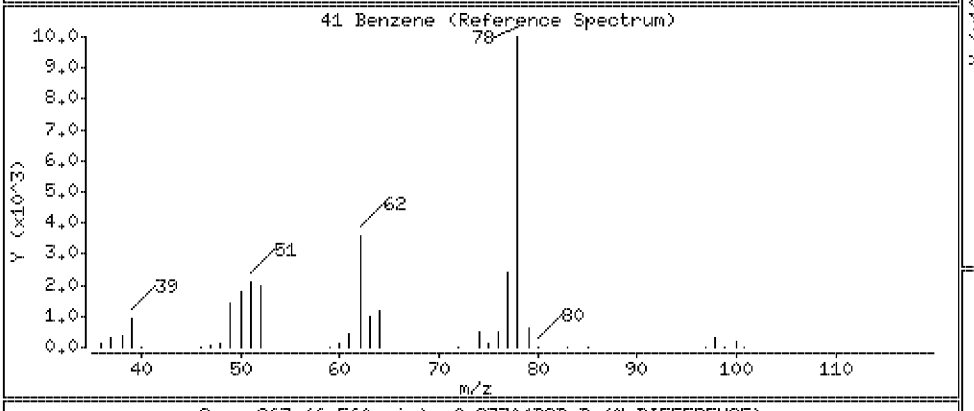
Column diameter: 0.18

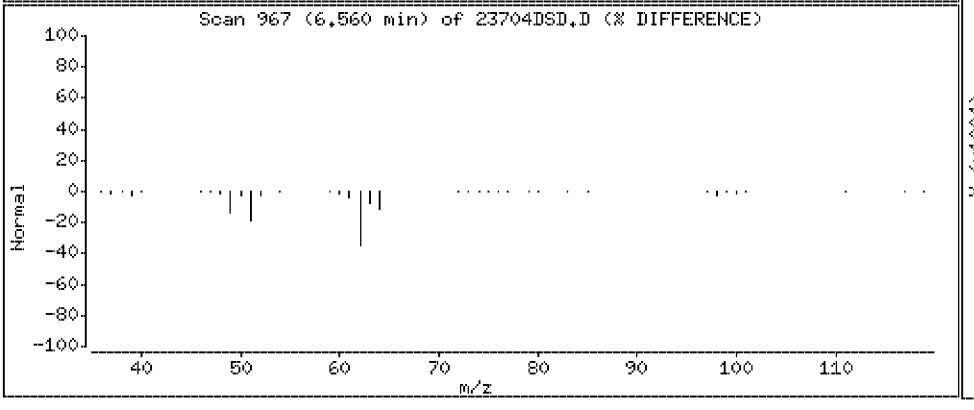
41 Benzene

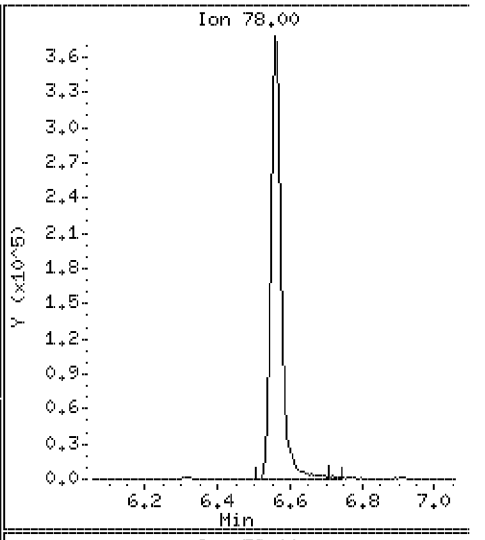
Concentration: 114 ug/l

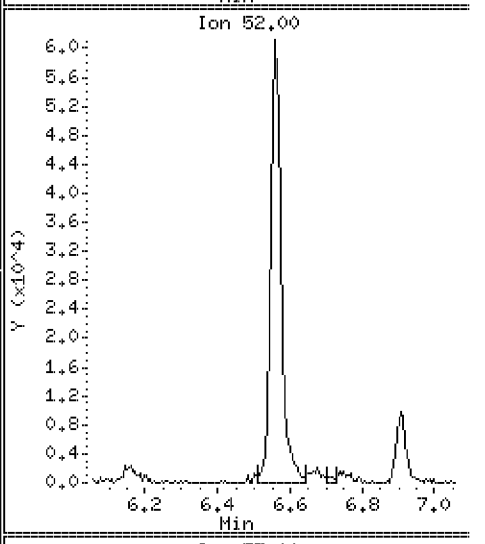


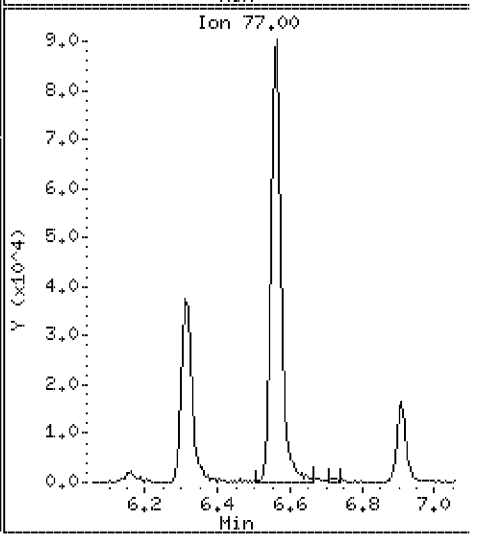












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

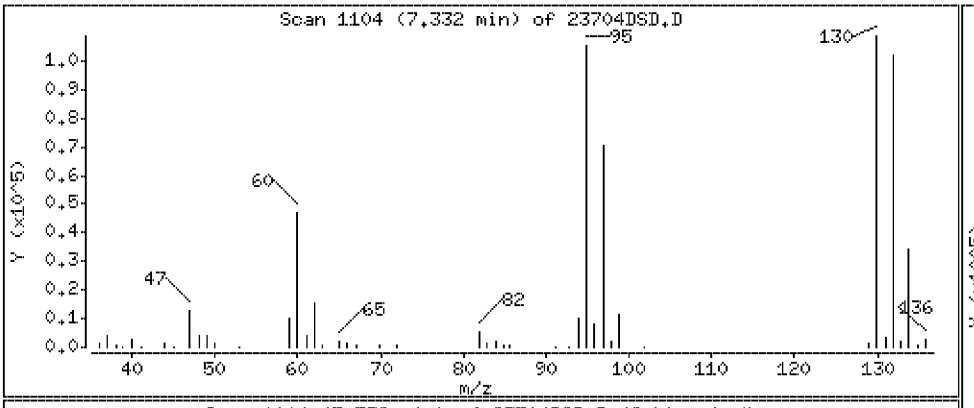
Operator:

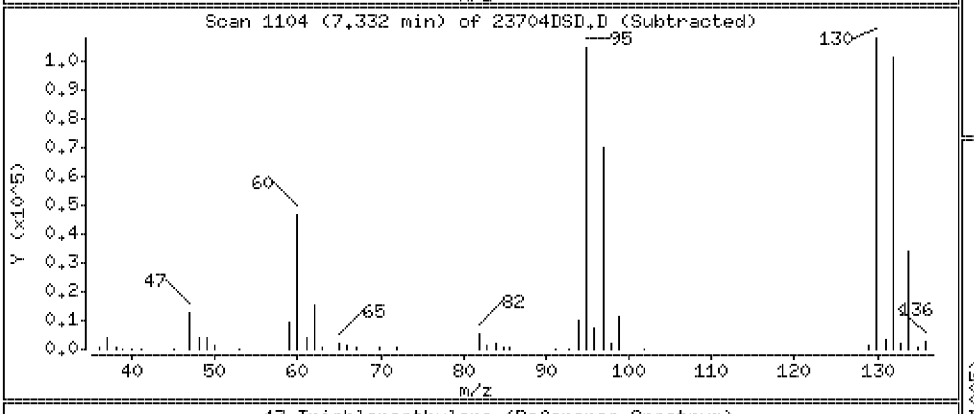
Column phase: RTX-502.2

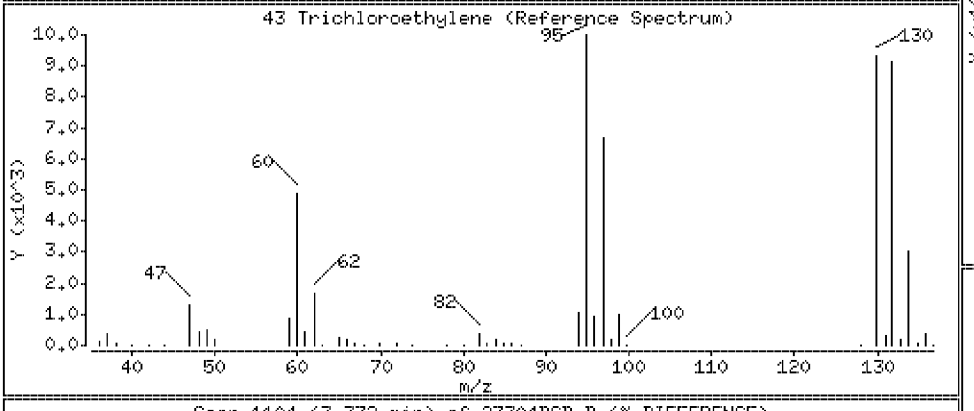
Column diameter: 0.18

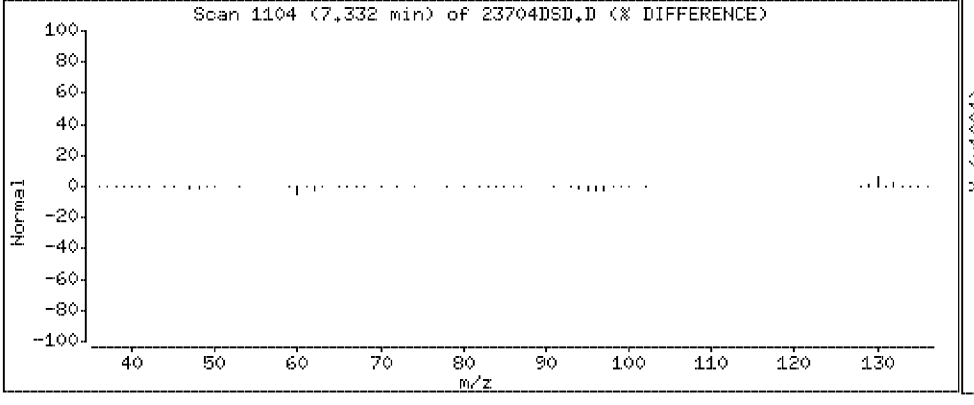
43 Trichloroethylene

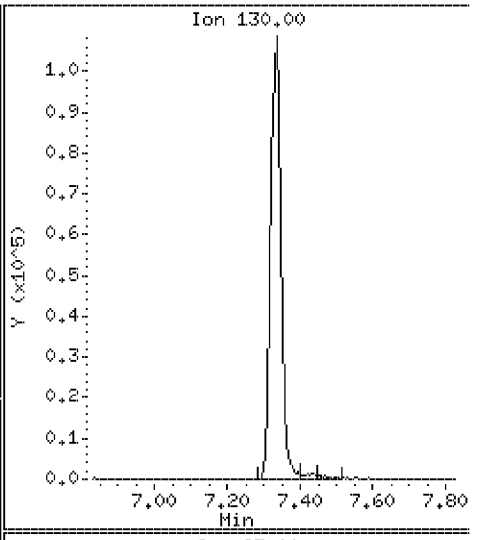
Concentration: 109 ug/l

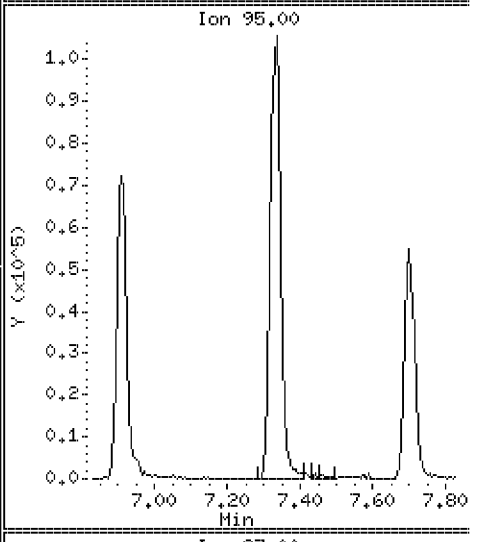


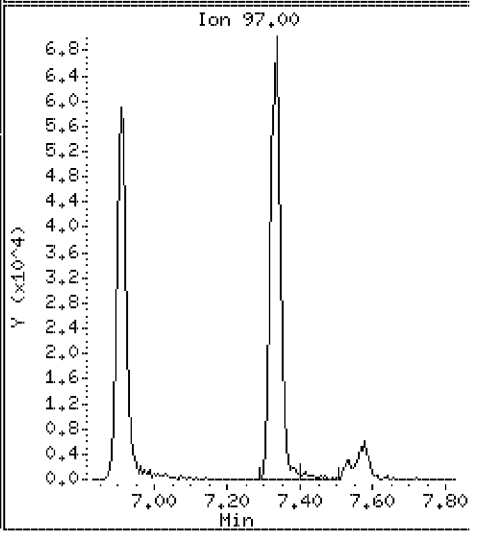












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

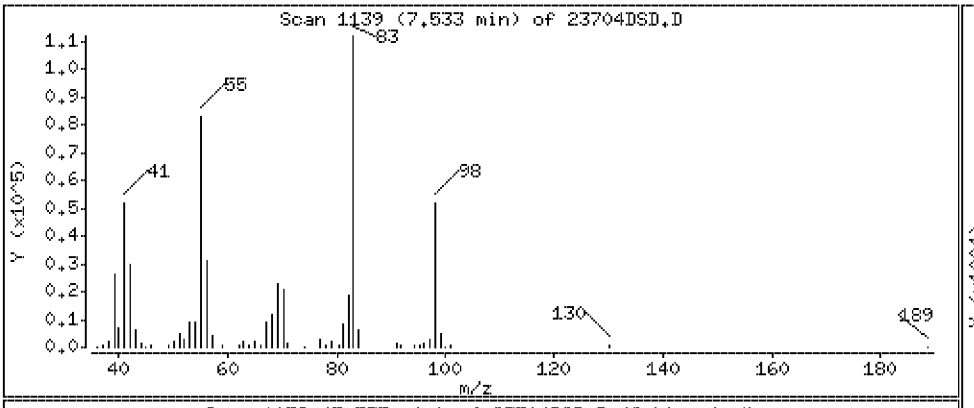
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

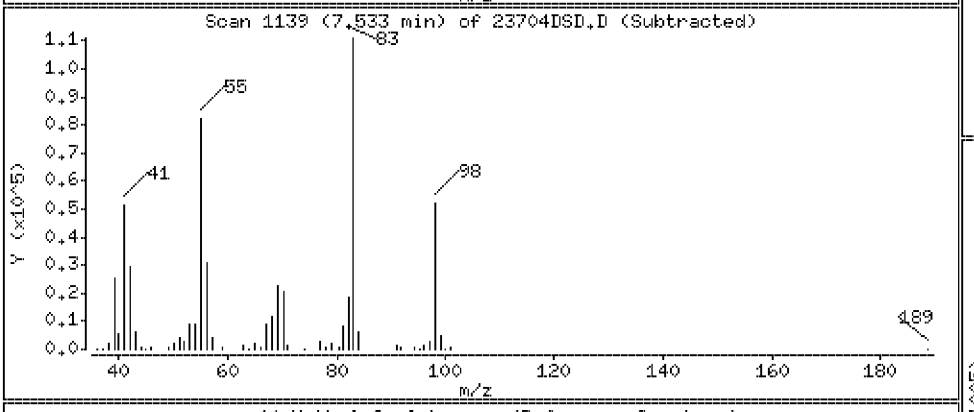
Sample Info: 350023704;3500237;5;

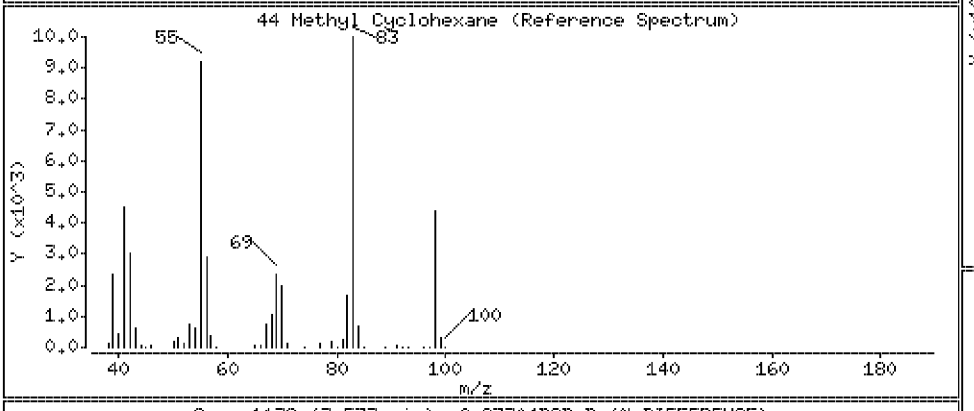
Purge Volume: 5.0 Operator:

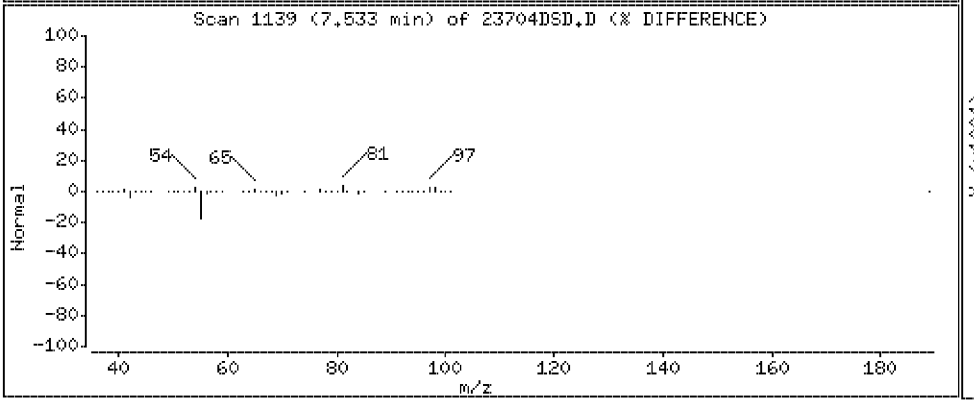
Column phase: RTX-502.2 Column diameter: 0.18

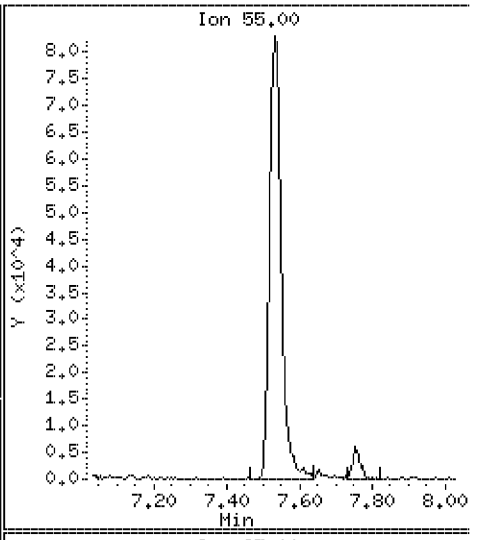
44 Methyl Cyclohexane Concentration: 108 ug/l

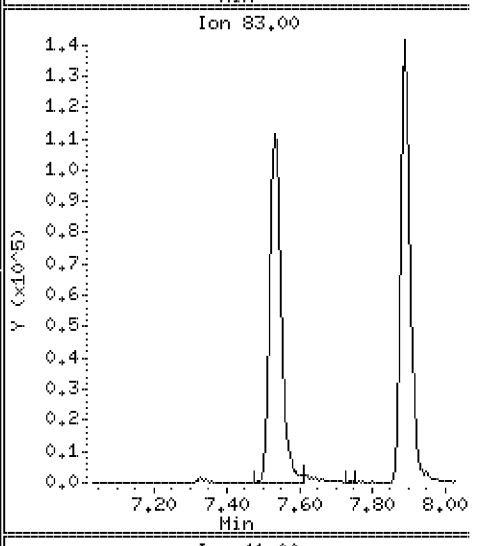


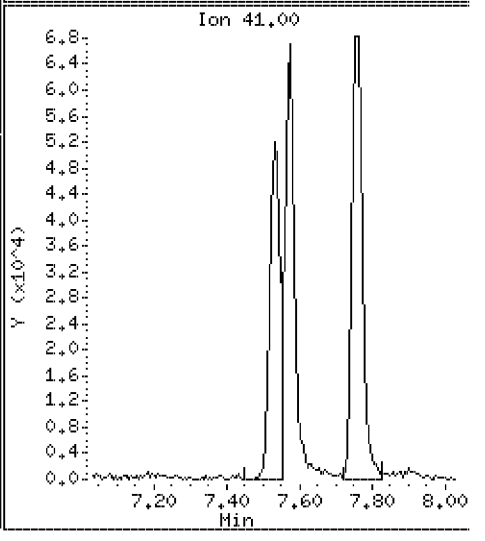












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

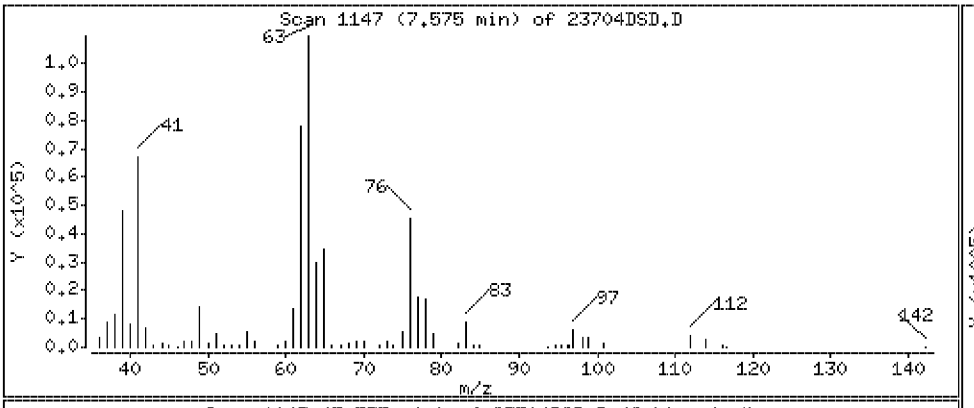
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

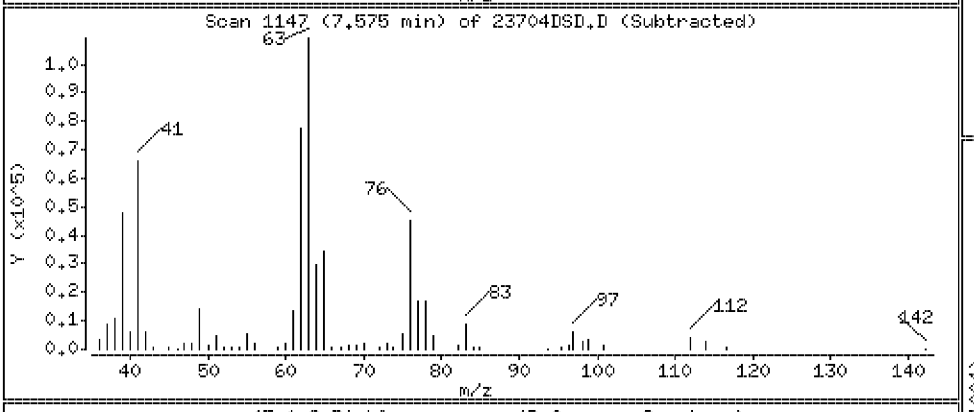
Sample Info: 350023704;3500237;5;

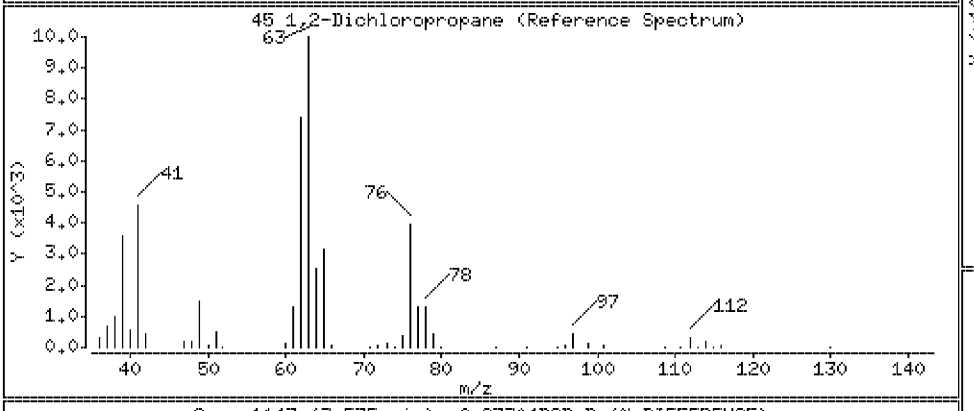
Purge Volume: 5.0 Operator:

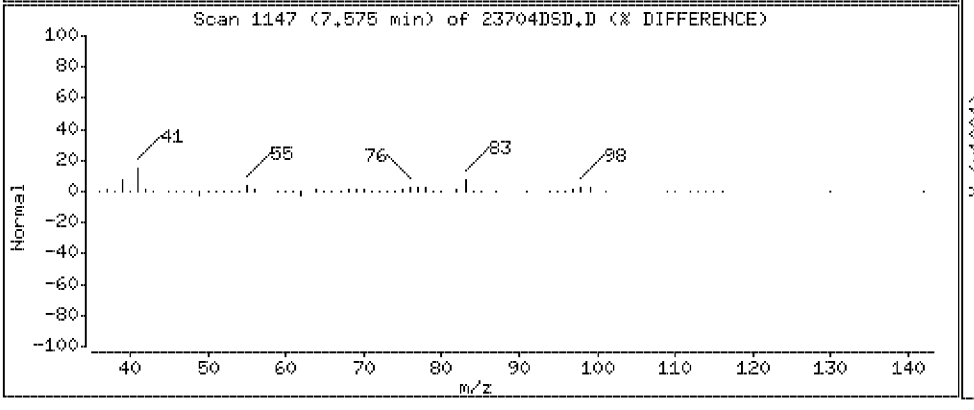
Column phase: RTX-502.2 Column diameter: 0.18

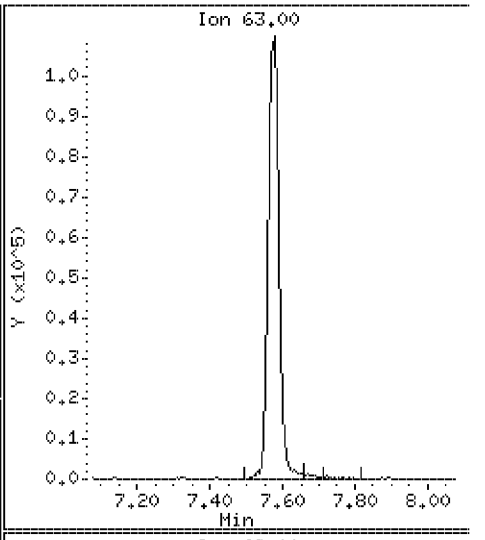
45 1,2-Dichloropropane Concentration: 112 ug/l

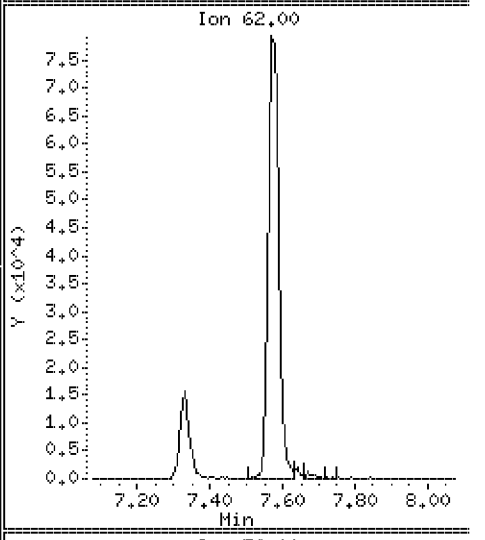


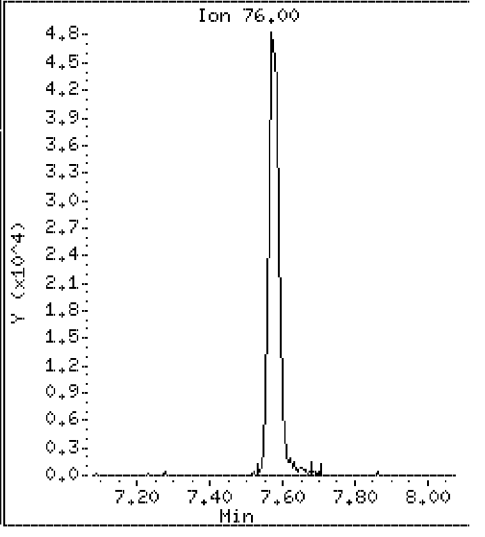












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

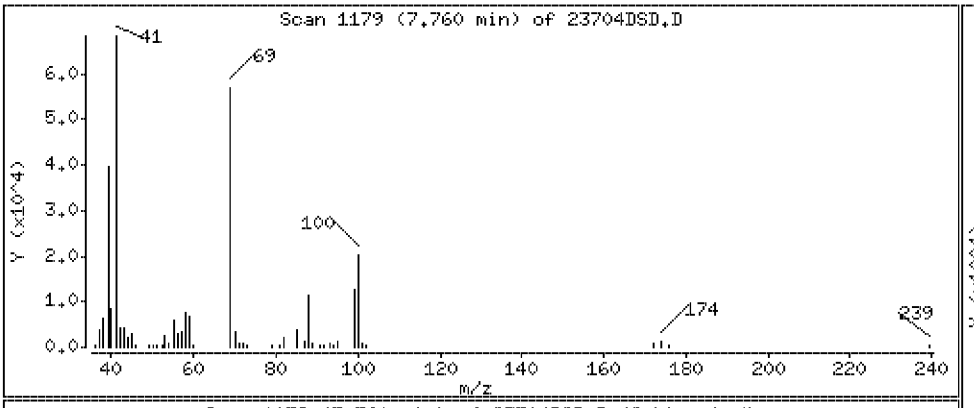
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

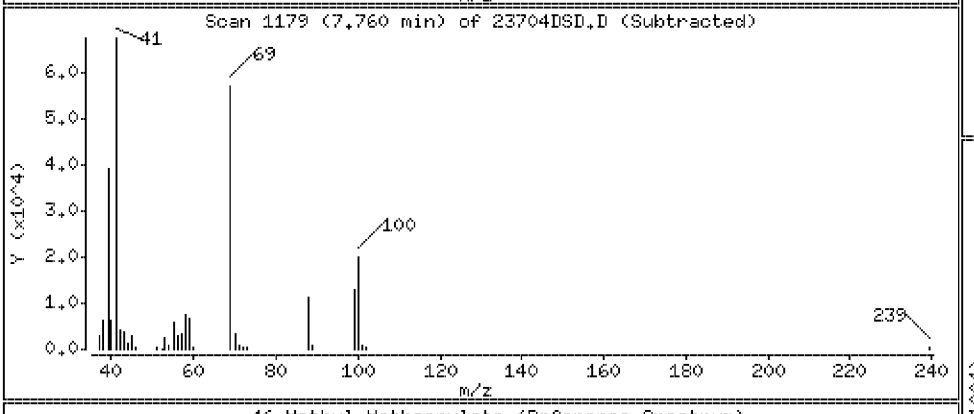
Sample Info: 350023704;3500237;5;

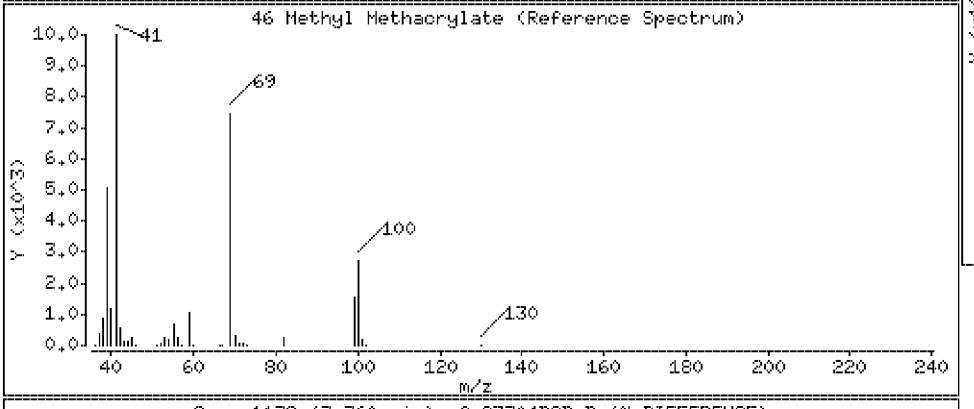
Purge Volume: 5.0 Operator:

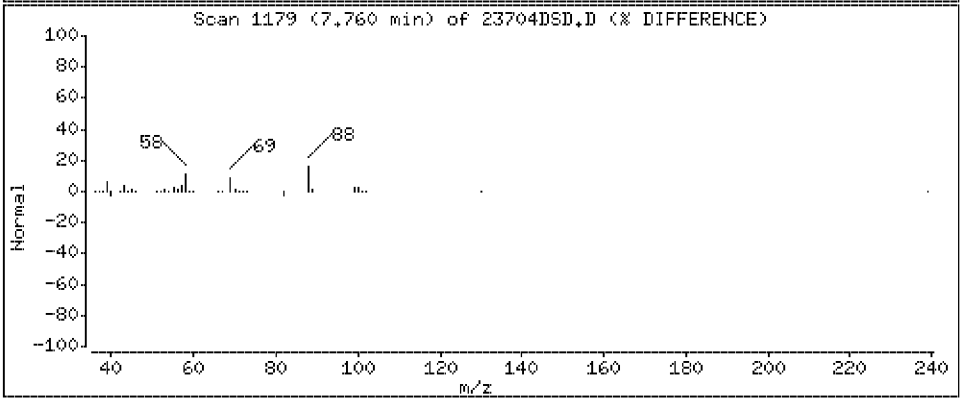
Column phase: RTX-502.2 Column diameter: 0.18

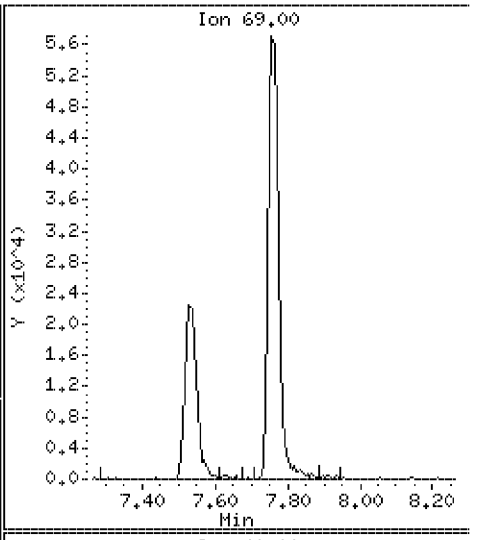
46 Methyl Methacrylate Concentration: 96.5 ug/l

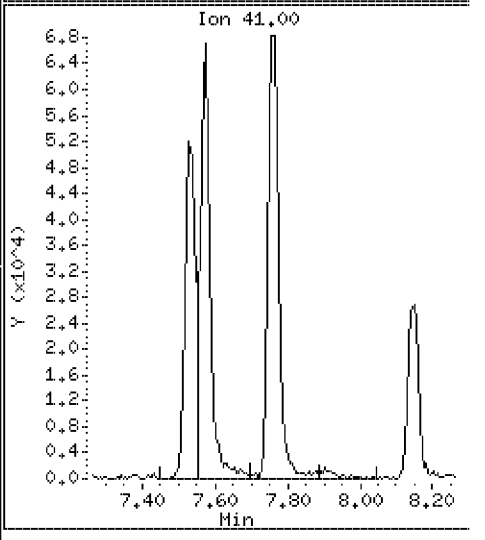












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

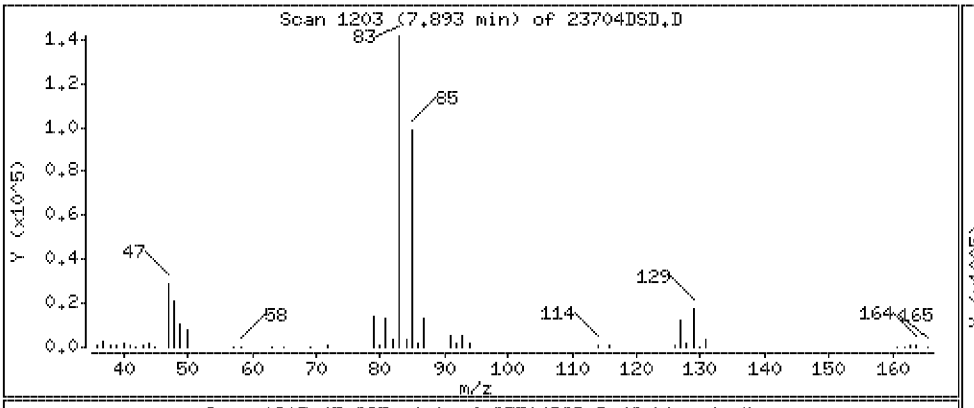
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

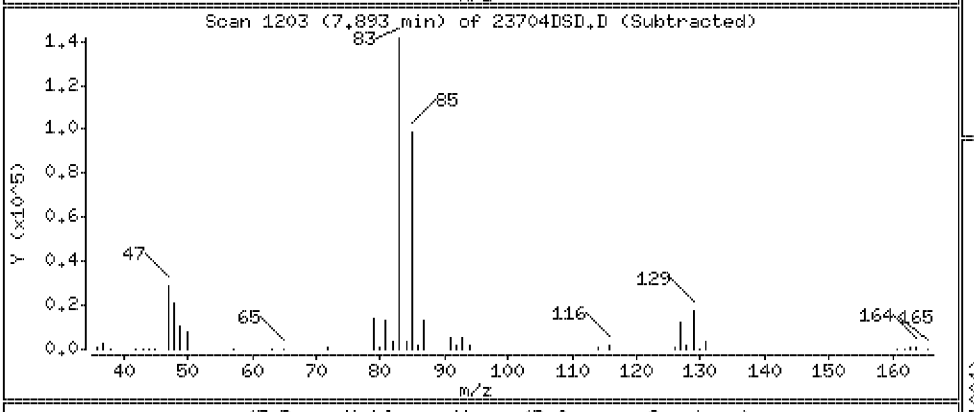
Sample Info: 350023704;3500237;5;

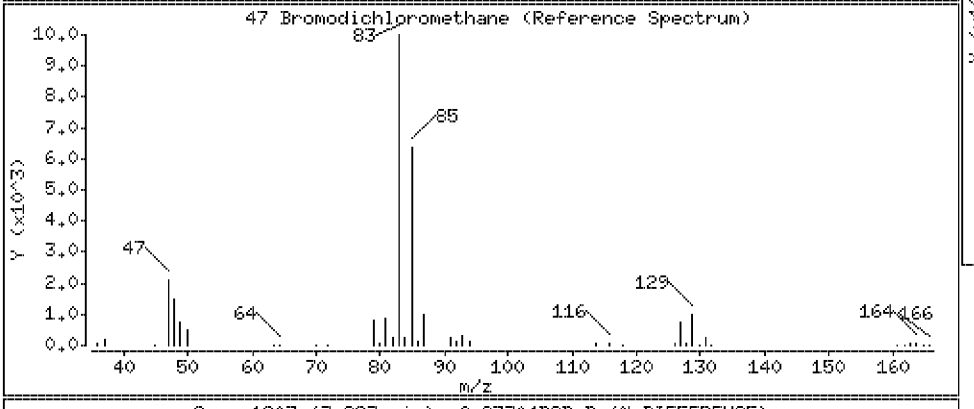
Purge Volume: 5.0 Operator:

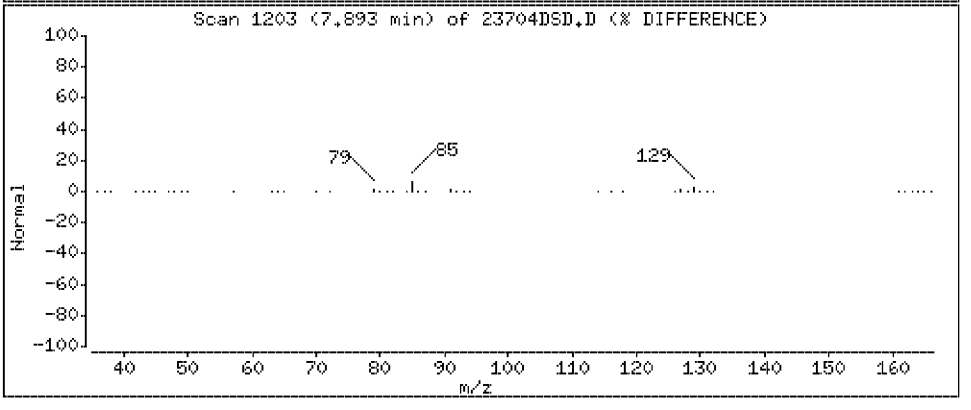
Column phase: RTX-502.2 Column diameter: 0.18

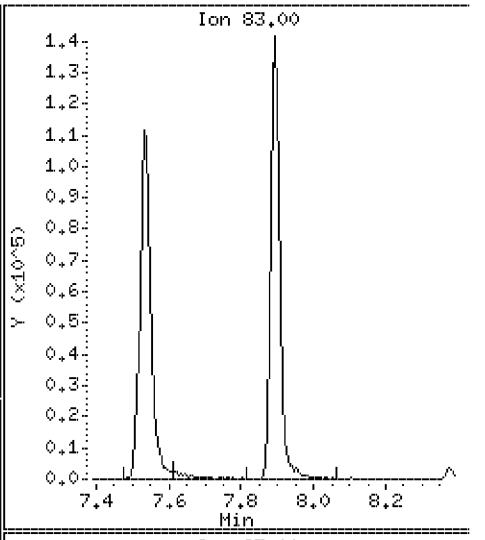
47 Bromodichloromethane Concentration: 104 ug/l

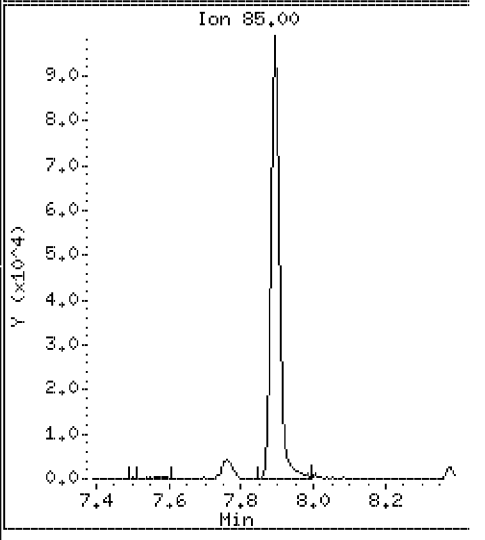












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

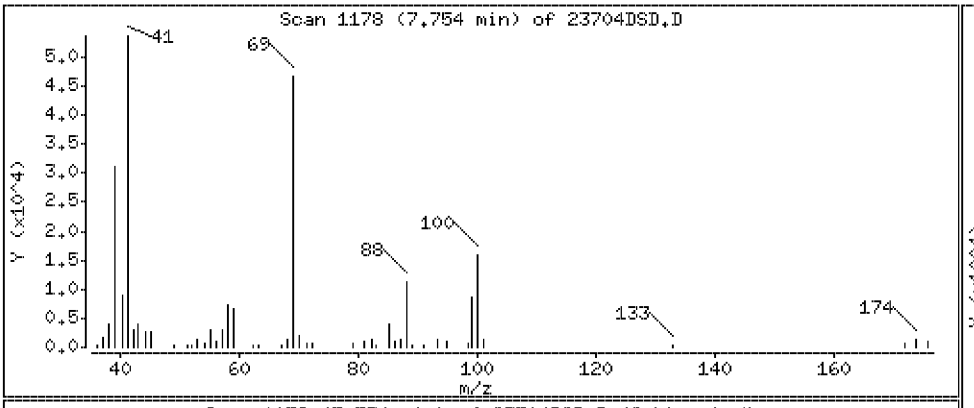
Operator:

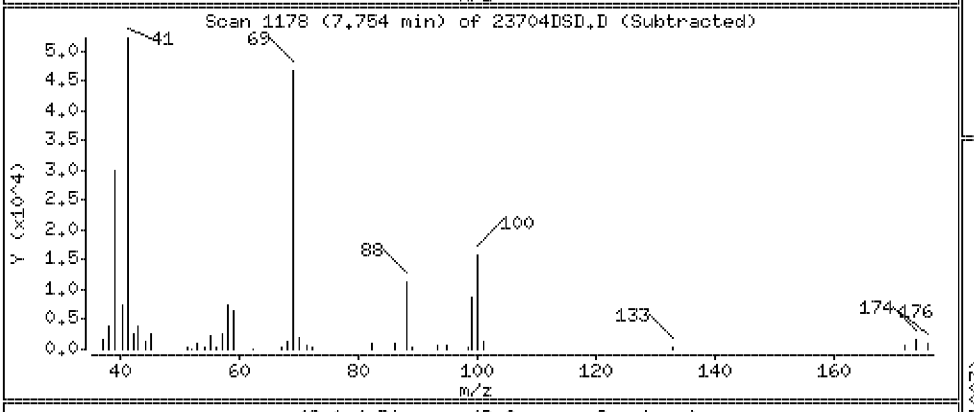
Column phase: RTX-502.2

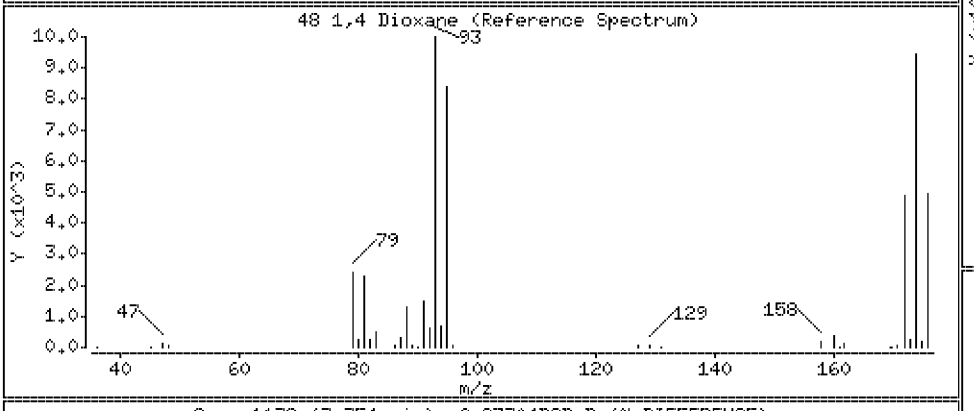
Column diameter: 0.18

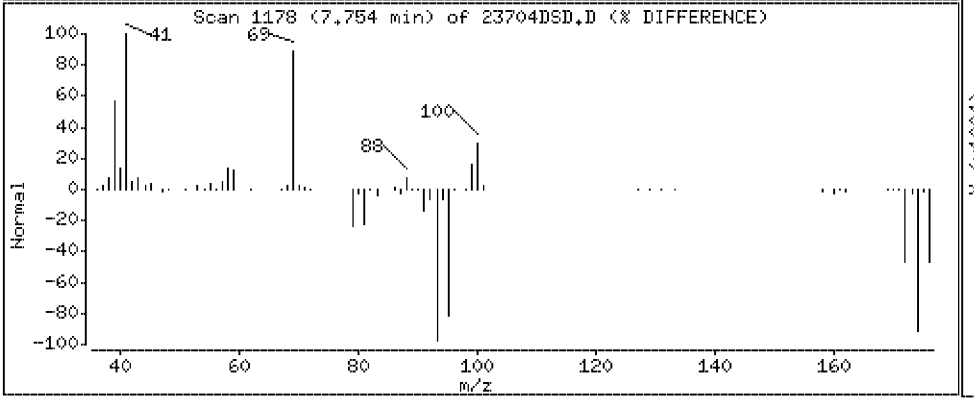
48 1,4 Dioxane

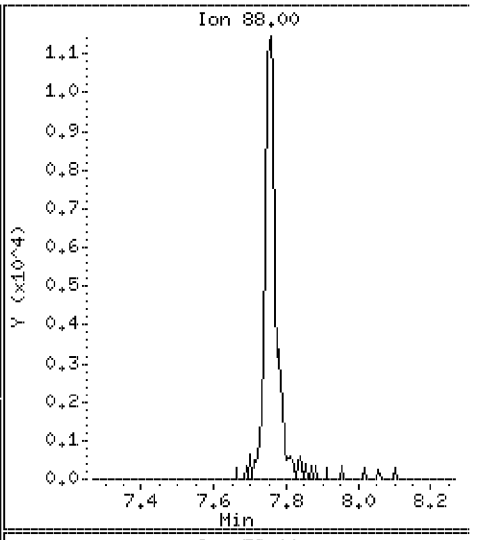
Concentration: 2010 ug/l

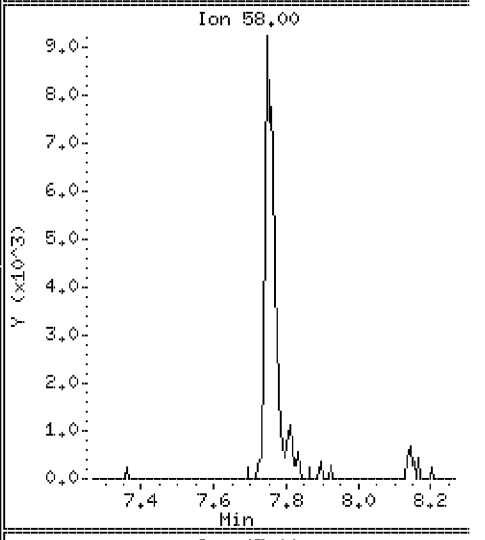


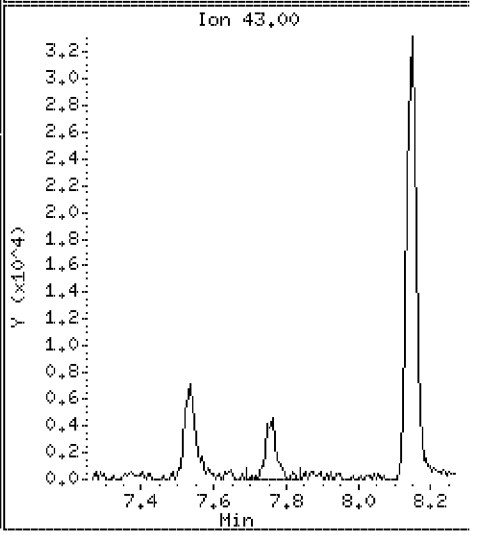












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

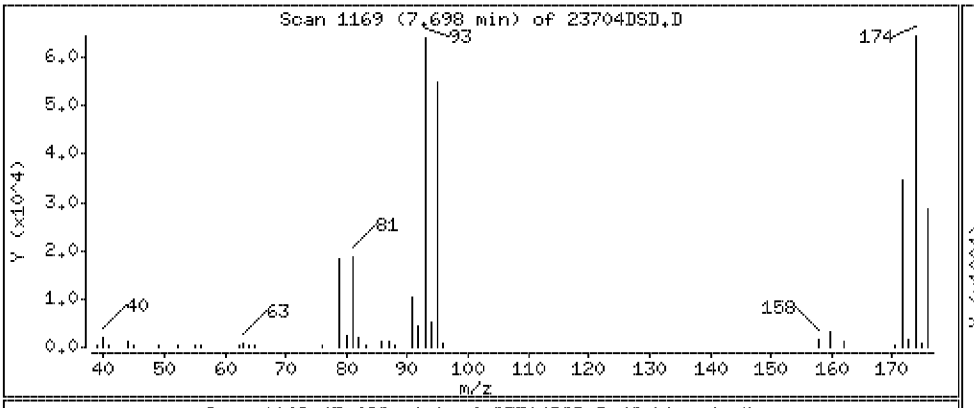
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

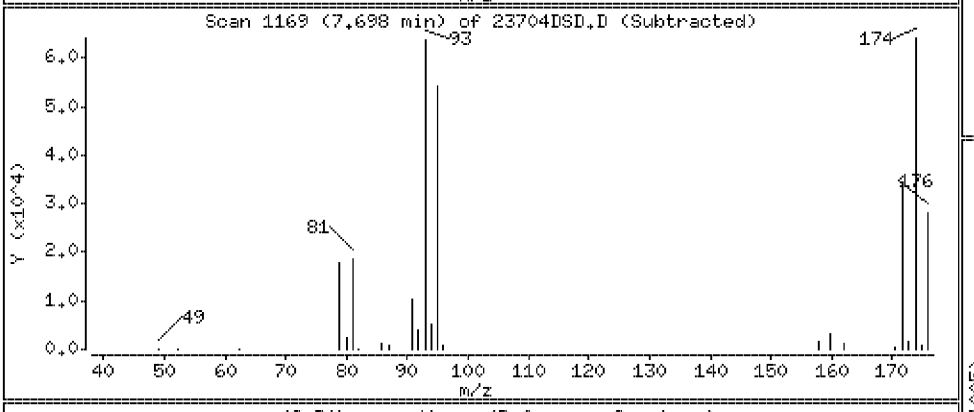
Sample Info: 350023704;3500237;5;

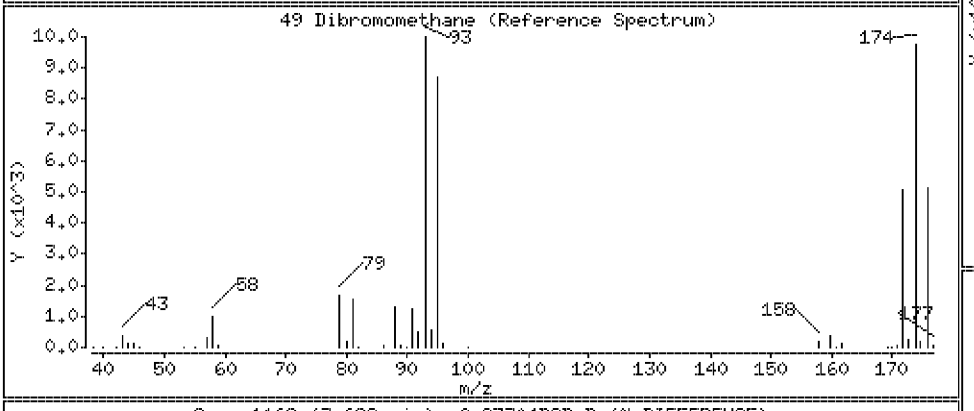
Purge Volume: 5.0 Operator:

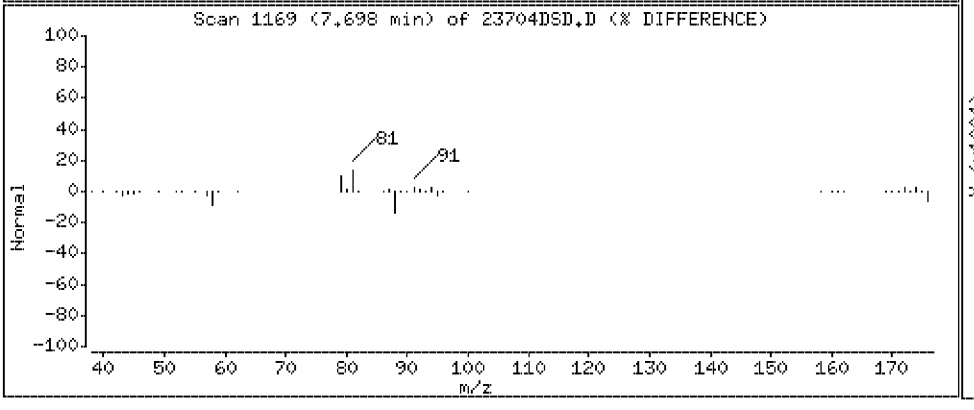
Column phase: RTX-502.2 Column diameter: 0.18

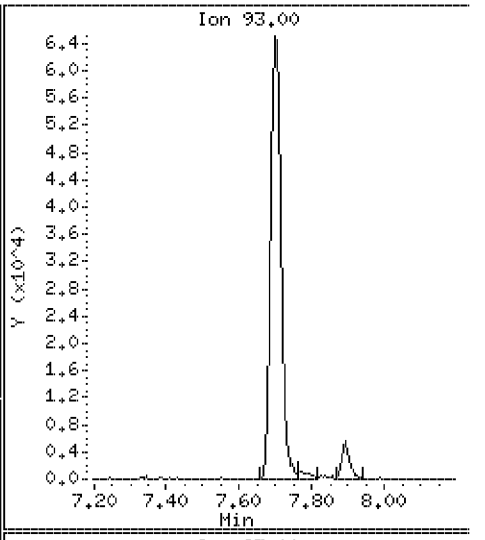
49 Dibromomethane Concentration: 106 ug/l

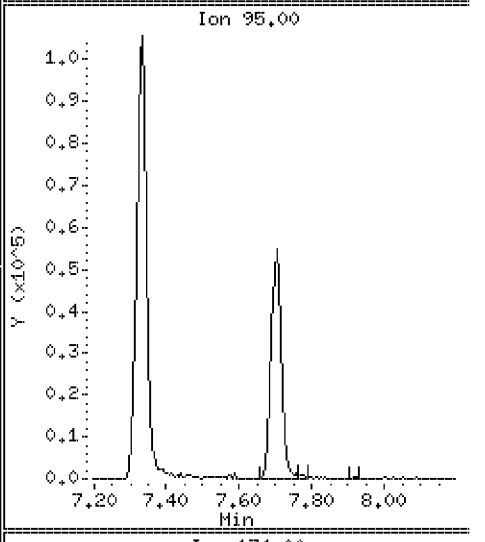


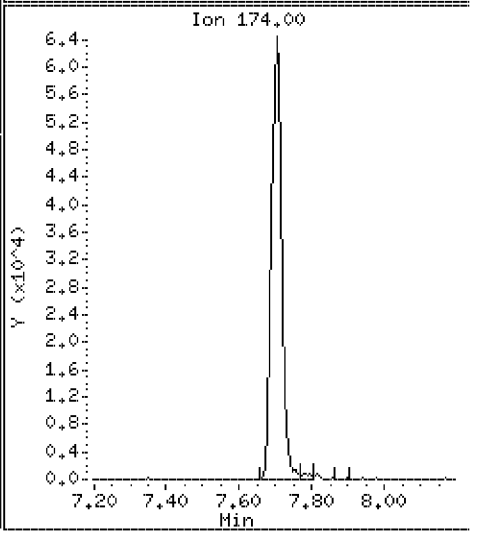












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

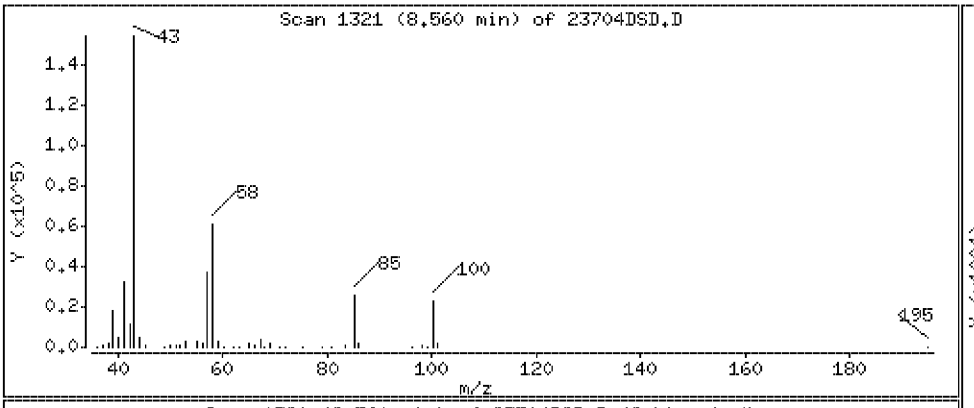
Operator:

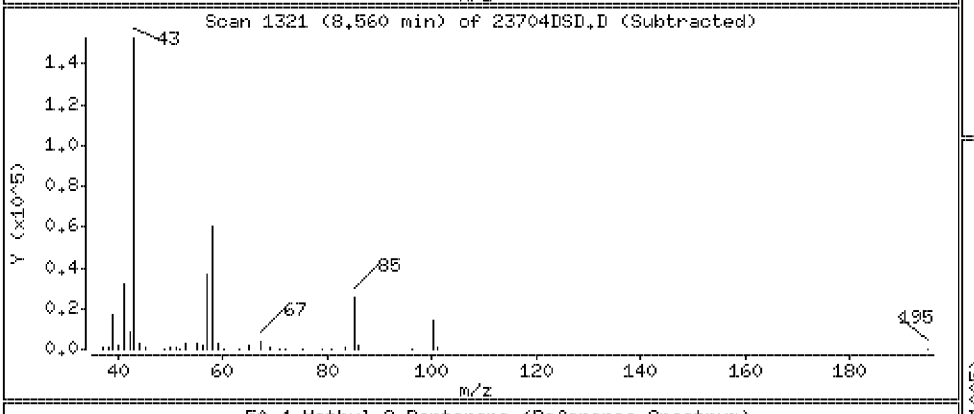
Column phase: RTX-502.2

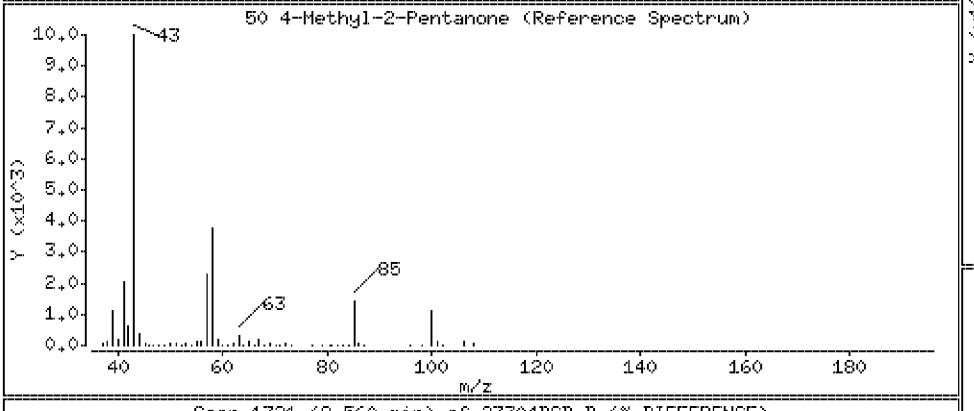
Column diameter: 0.18

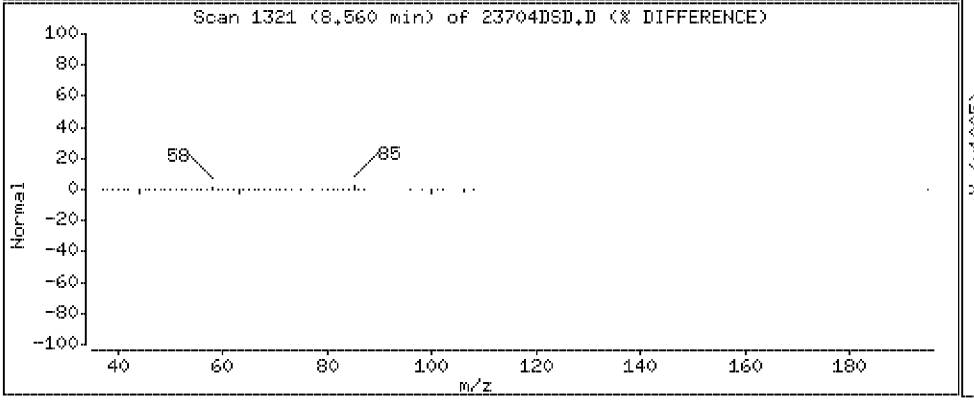
50 4-Methyl-2-Pentanone

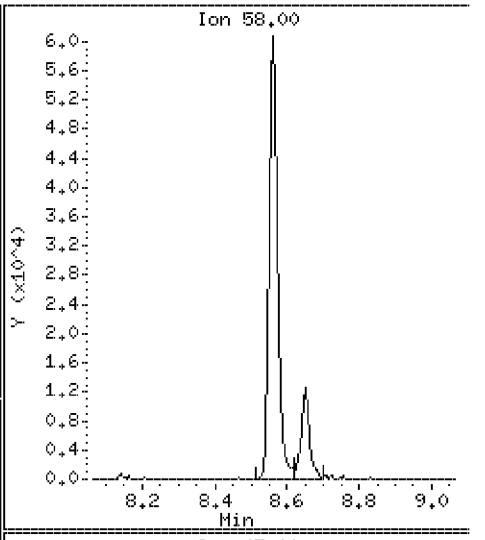
Concentration: 207 ug/l

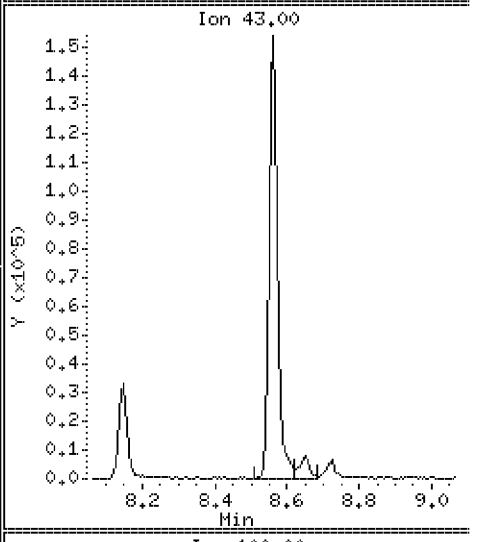


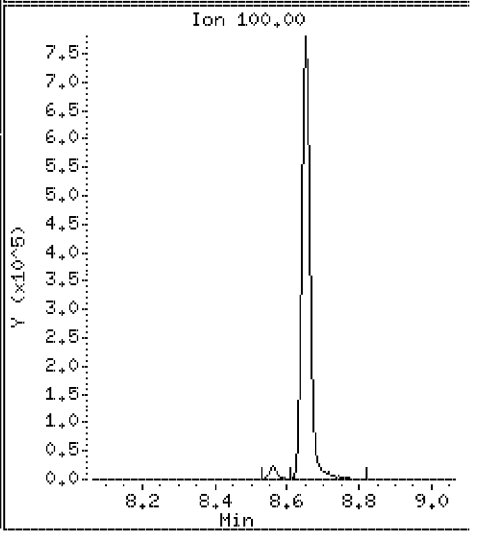












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

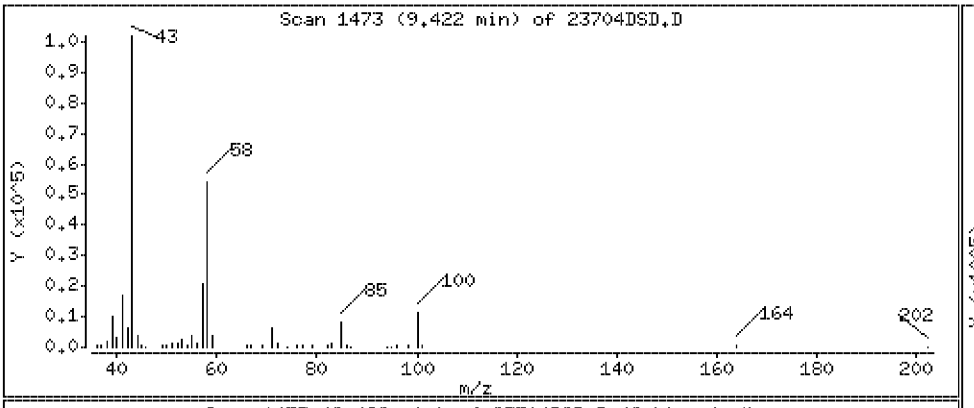
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

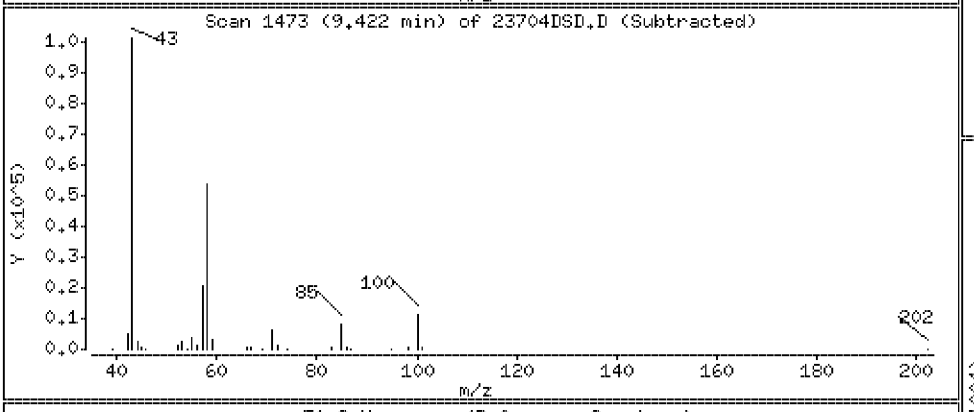
Sample Info: 350023704;3500237;5;

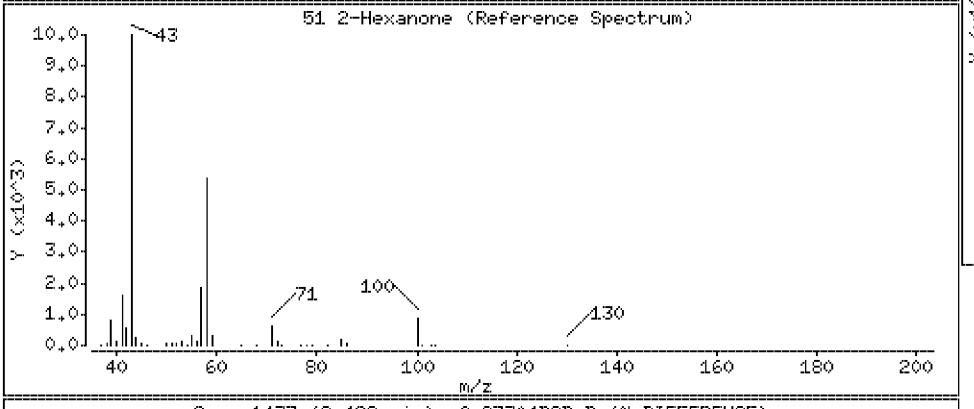
Purge Volume: 5.0 Operator:

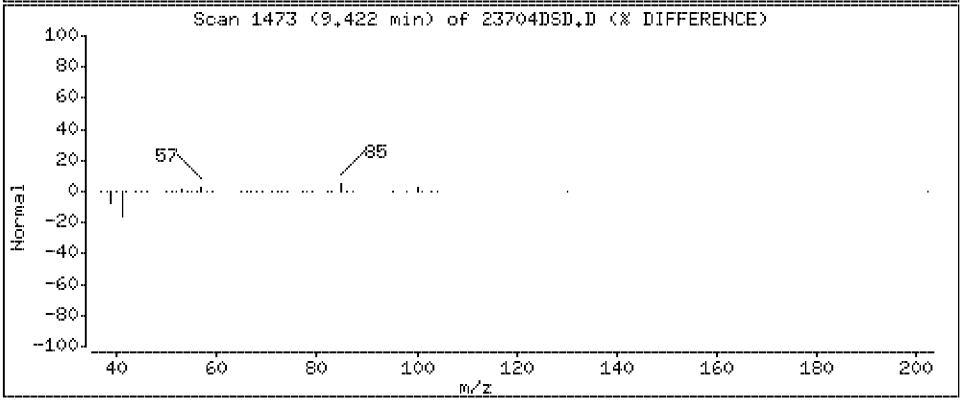
Column phase: RTX-502.2 Column diameter: 0.18

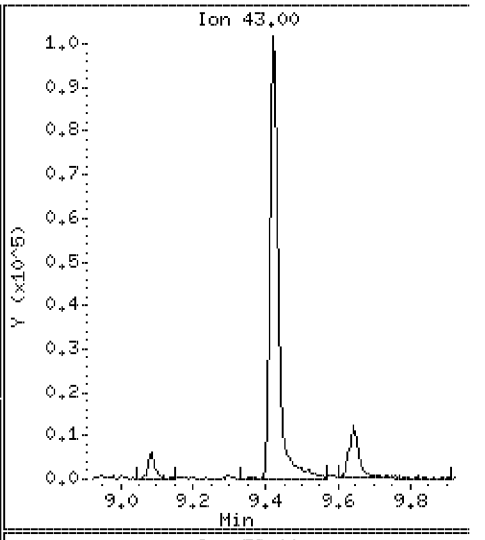
51 2-Hexanone Concentration: 189 ug/l

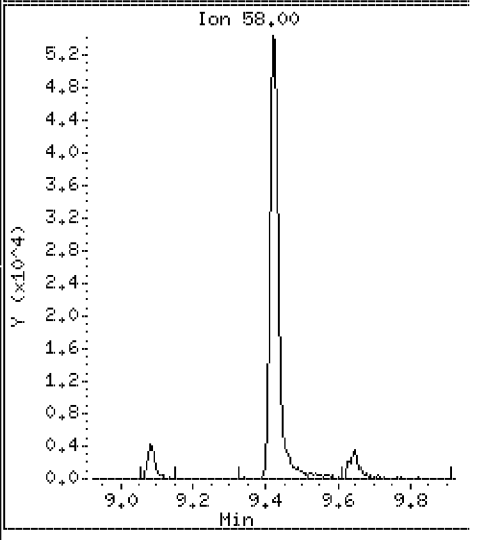












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

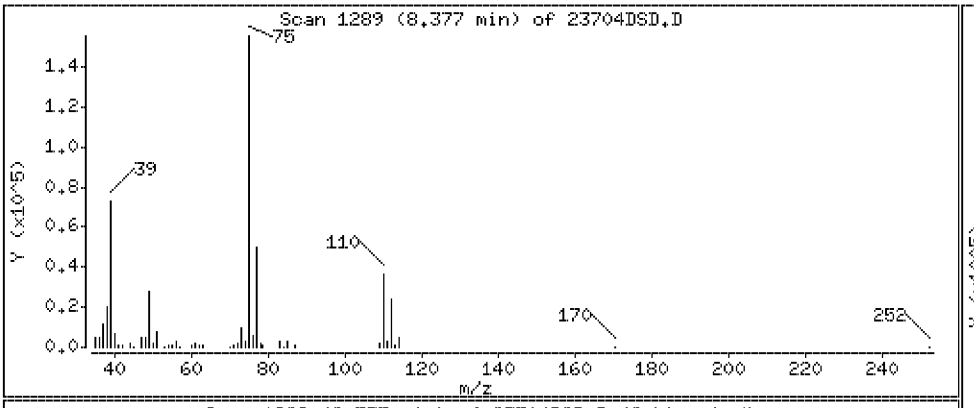
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

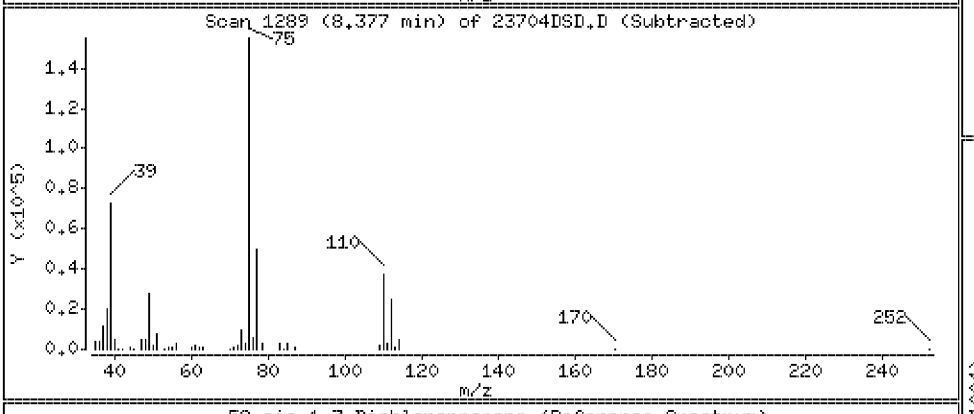
Sample Info: 350023704;3500237;5;

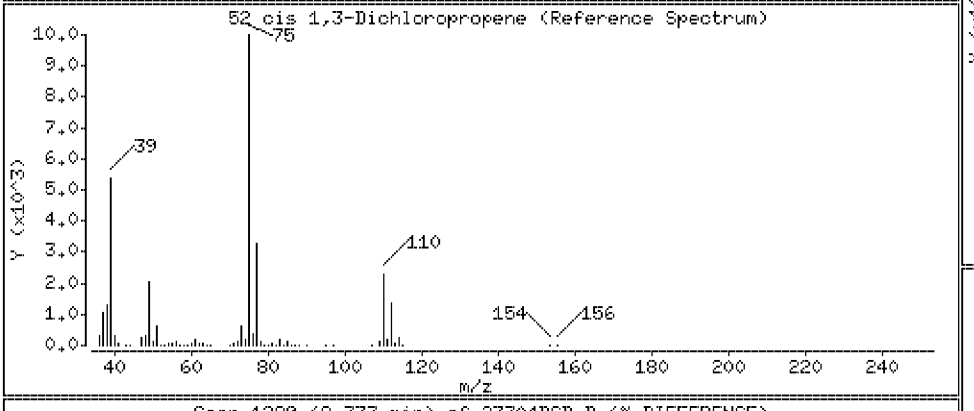
Purge Volume: 5.0 Operator:

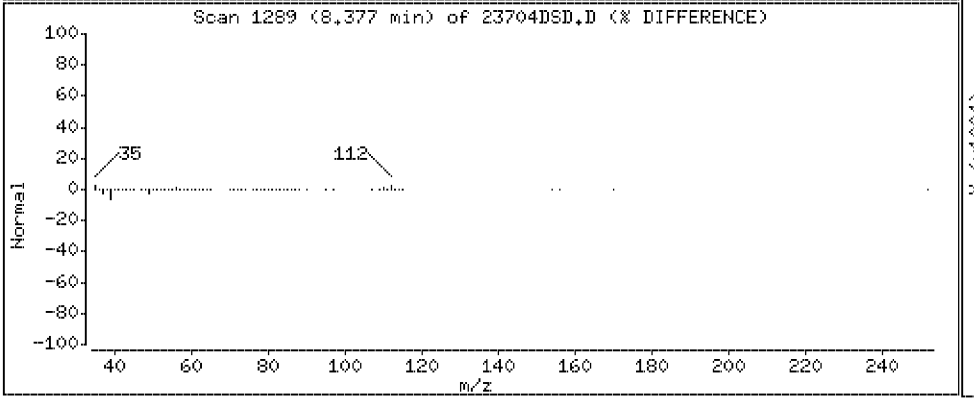
Column phase: RTX-502.2 Column diameter: 0.18

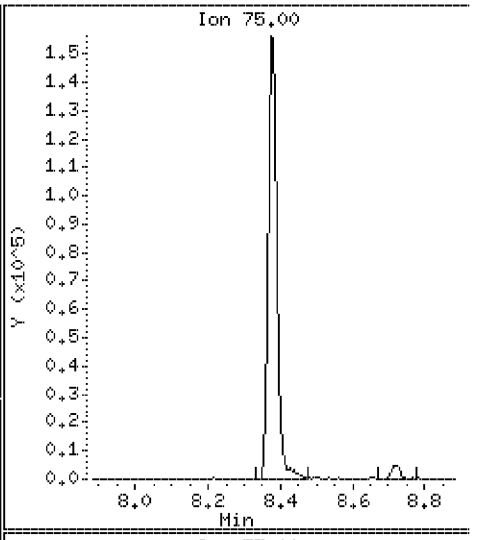
52 cis 1,3-Dichloropropene Concentration: 107 ug/l

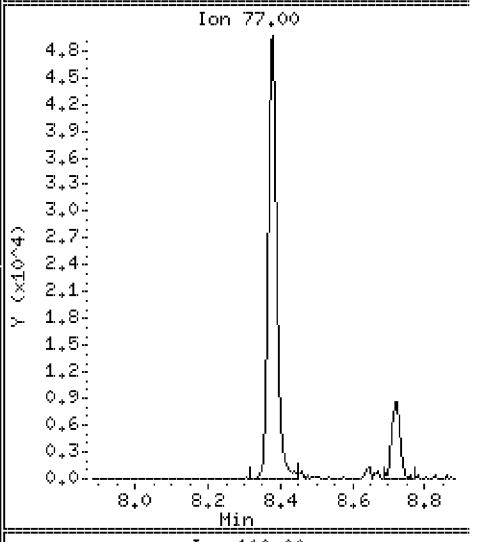


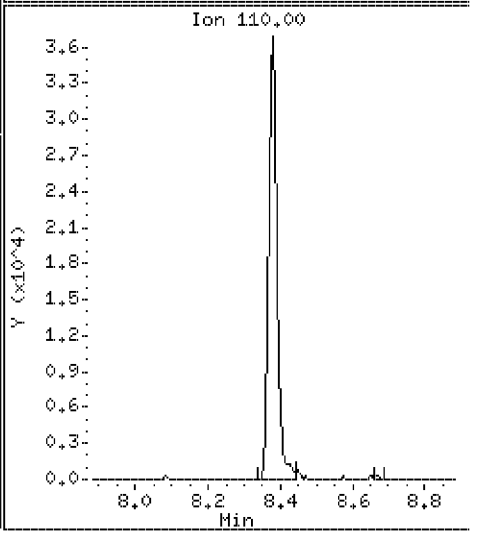












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

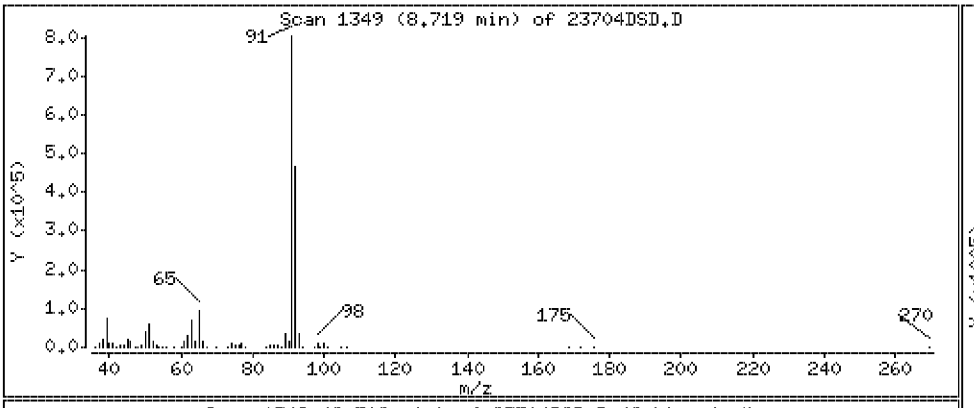
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

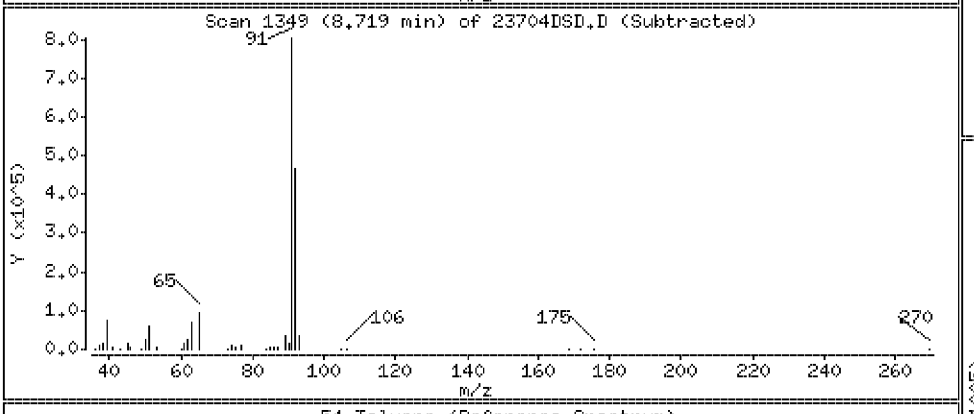
Sample Info: 350023704;3500237;5;

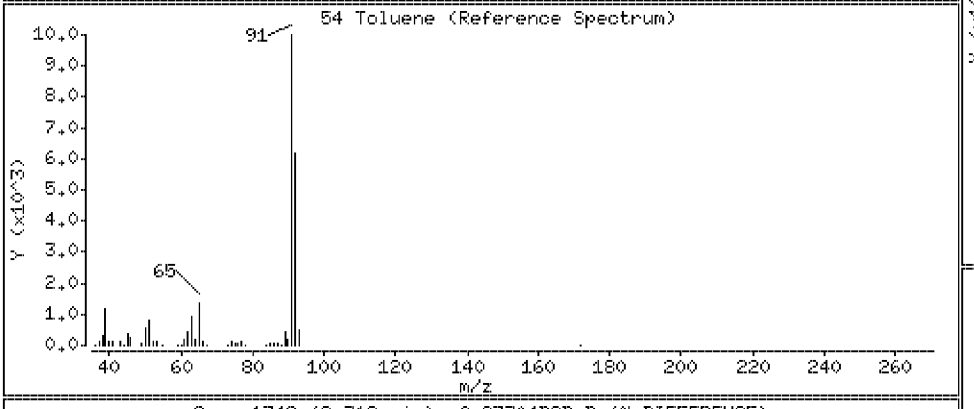
Purge Volume: 5.0 Operator:

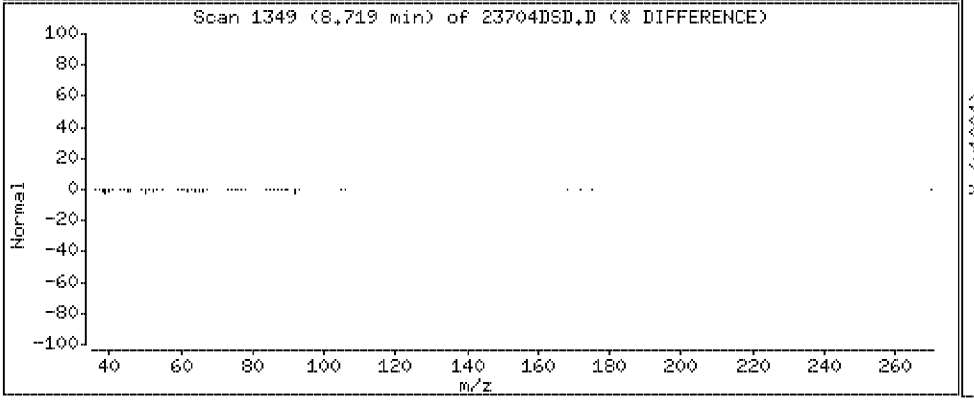
Column phase: RTX-502.2 Column diameter: 0.18

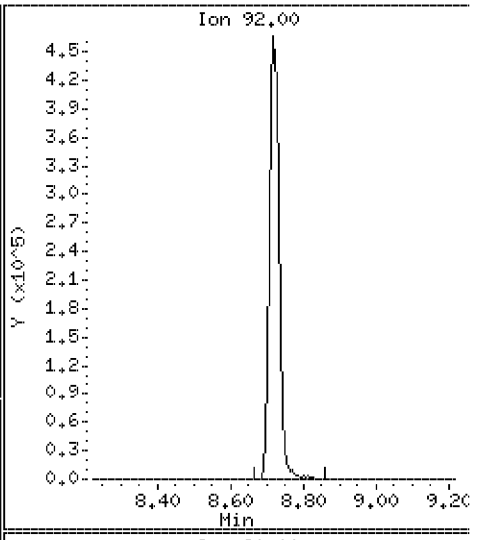
54 Toluene Concentration: 184 ug/l

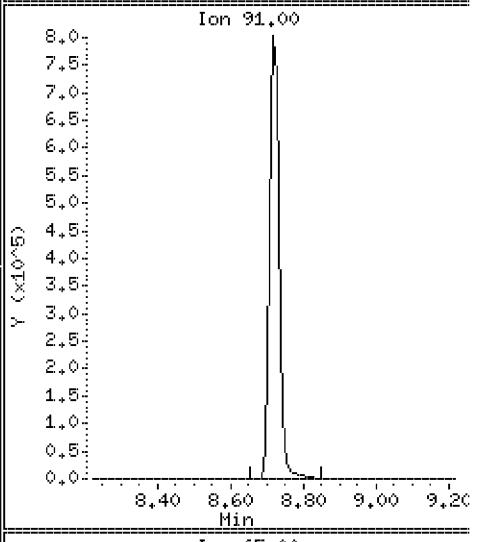


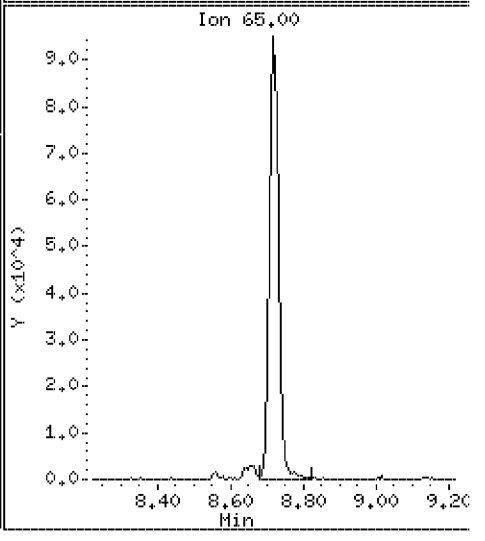












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

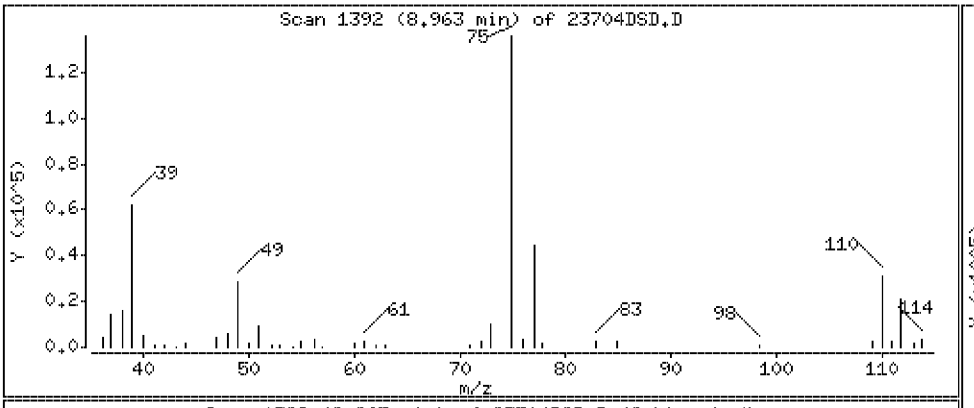
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

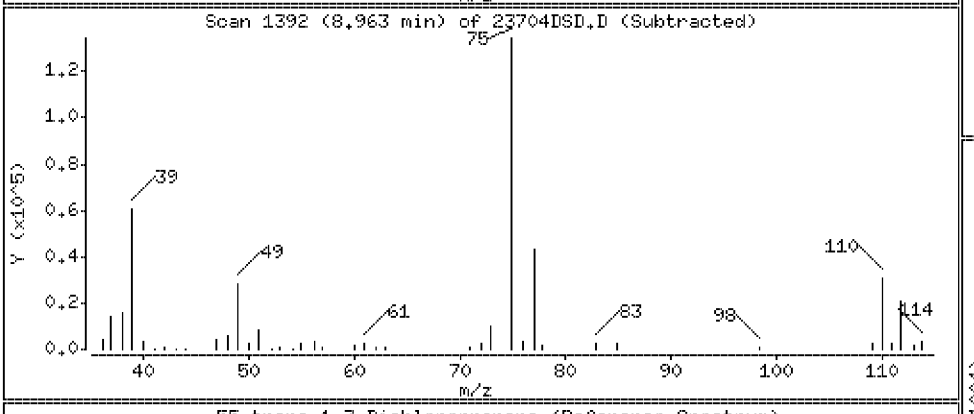
Sample Info: 350023704;3500237;5;

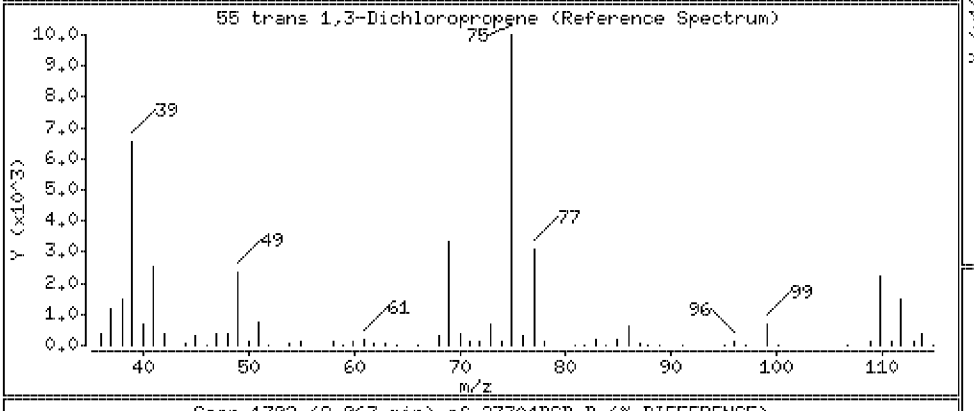
Purge Volume: 5.0 Operator:

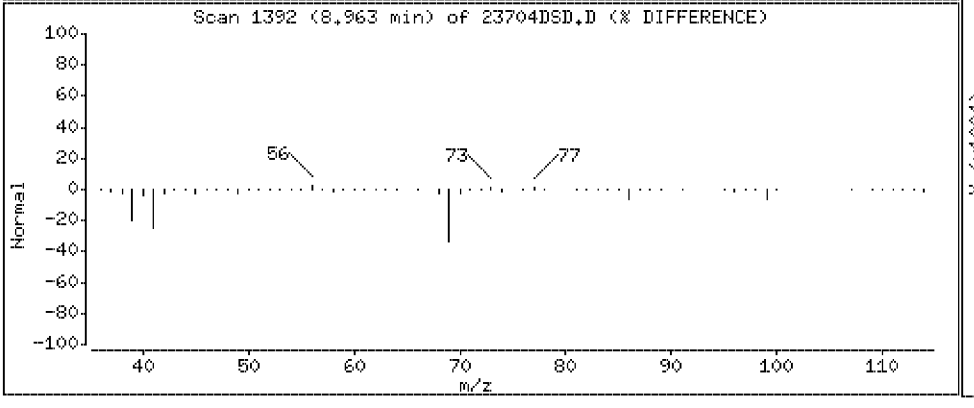
Column phase: RTX-502.2 Column diameter: 0.18

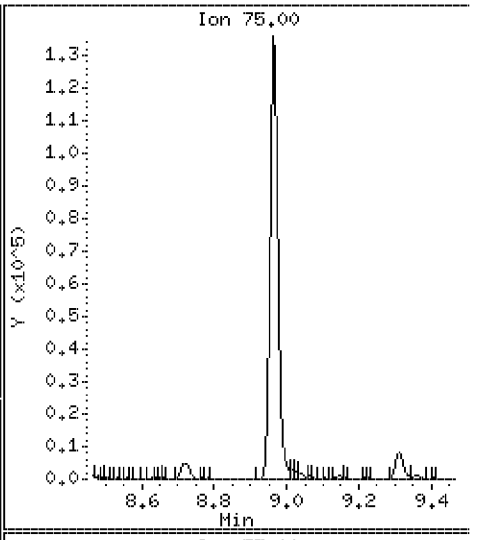
55 trans 1,3-Dichloropropene Concentration: 91.6 ug/l

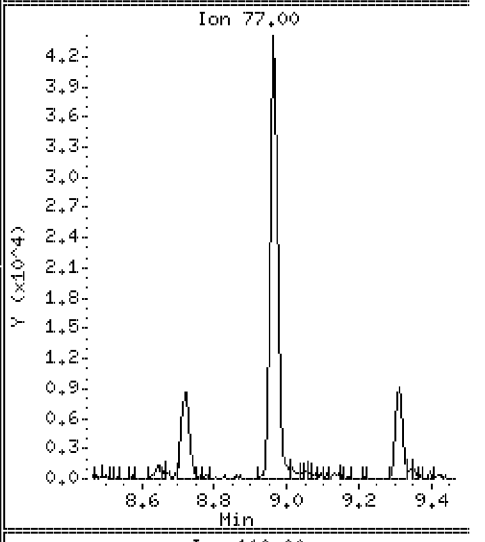


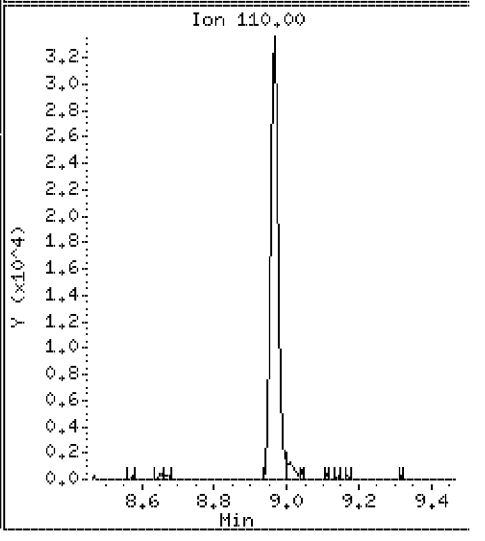












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

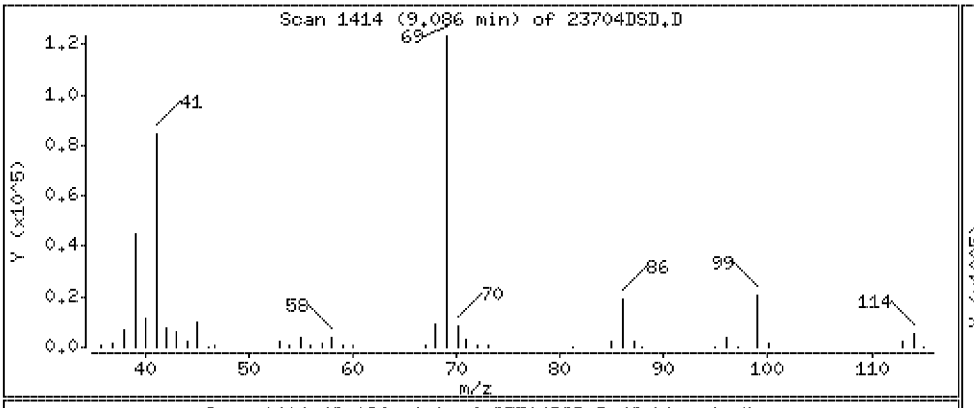
Operator:

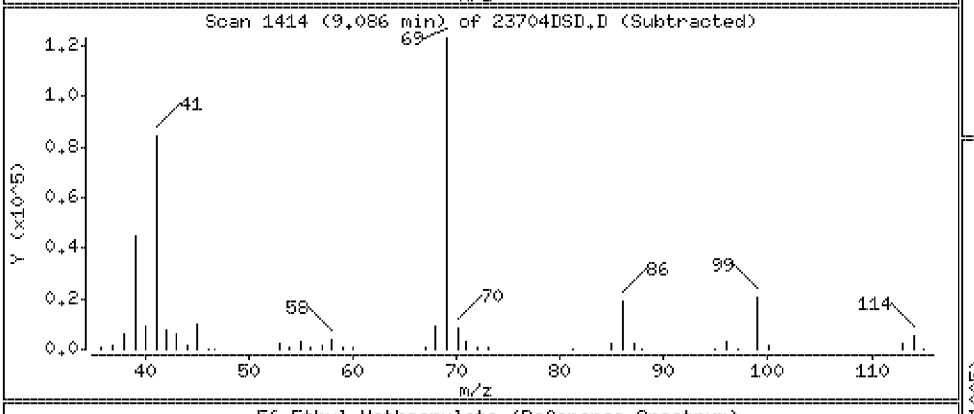
Column phase: RTX-502.2

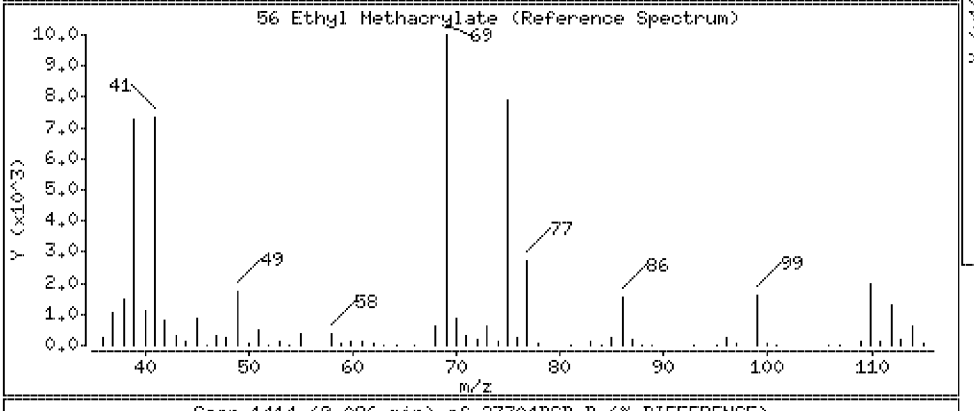
Column diameter: 0.18

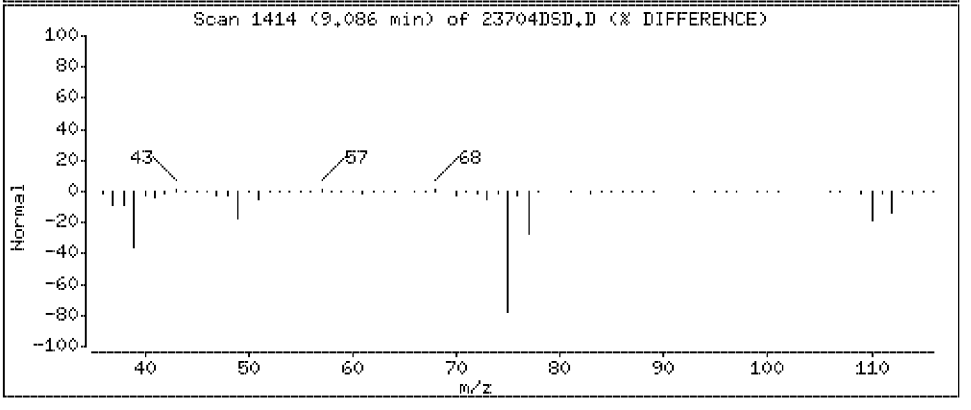
56 Ethyl Methacrylate

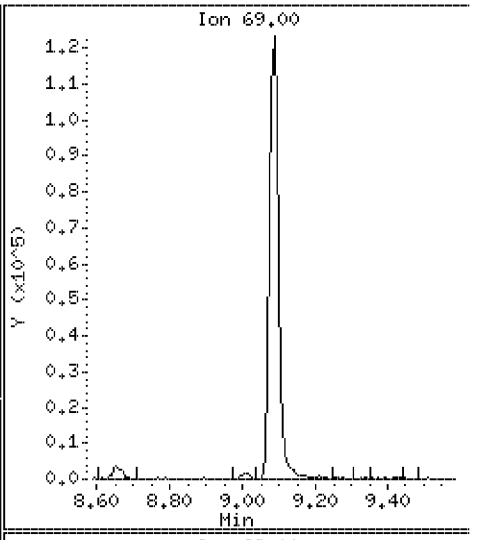
Concentration: 96.5 ug/l

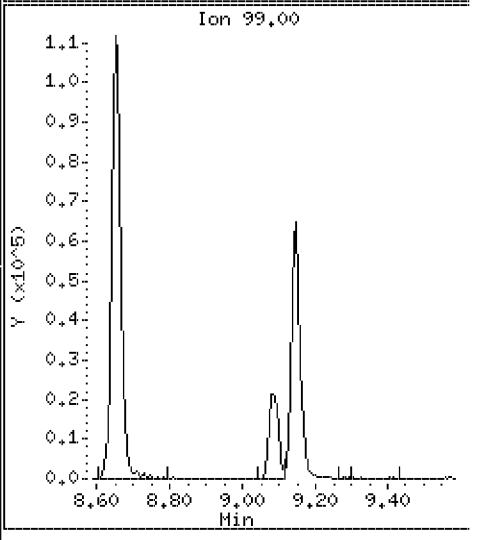












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

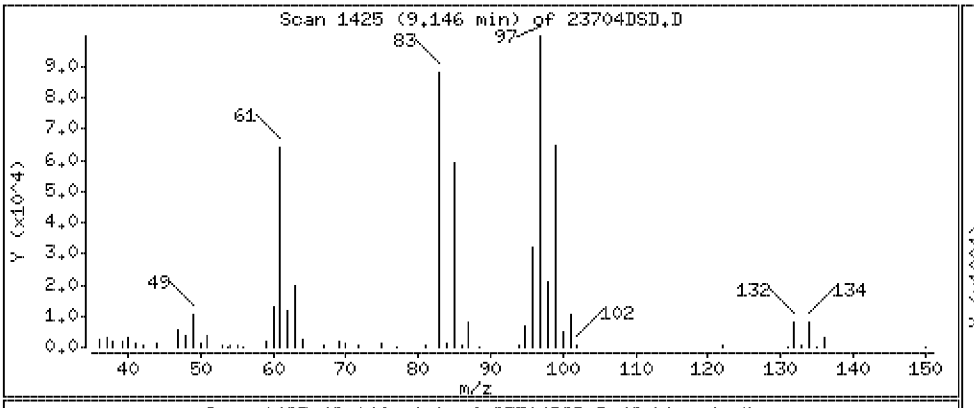
Operator:

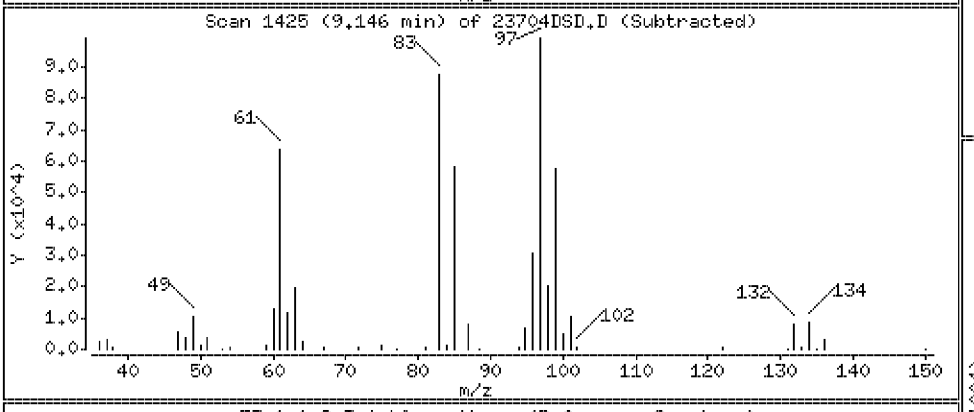
Column phase: RTX-502.2

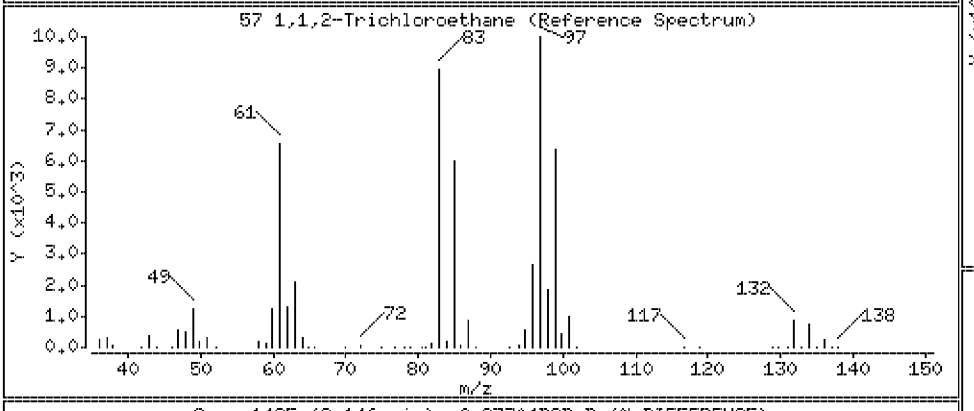
Column diameter: 0.18

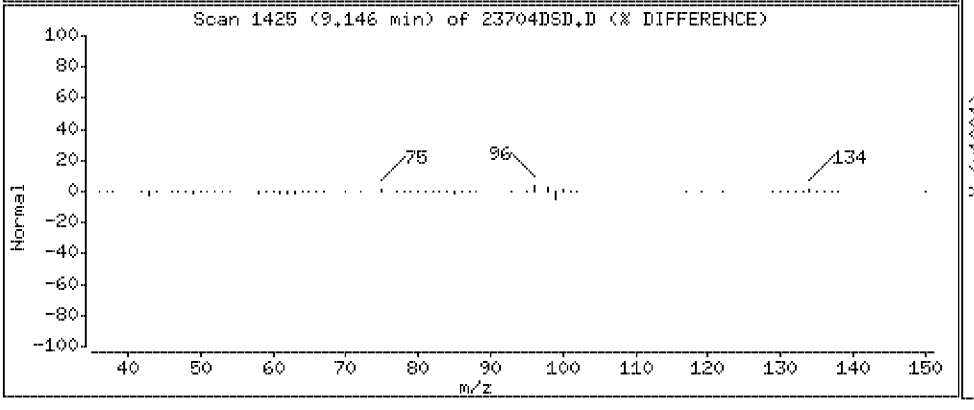
57 1,1,2-Trichloroethane

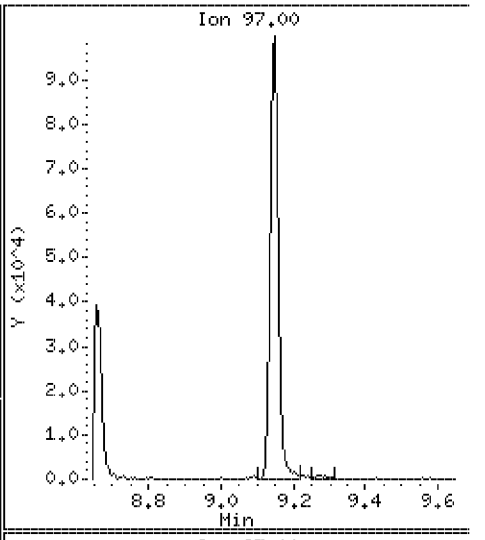
Concentration: 106 ug/l

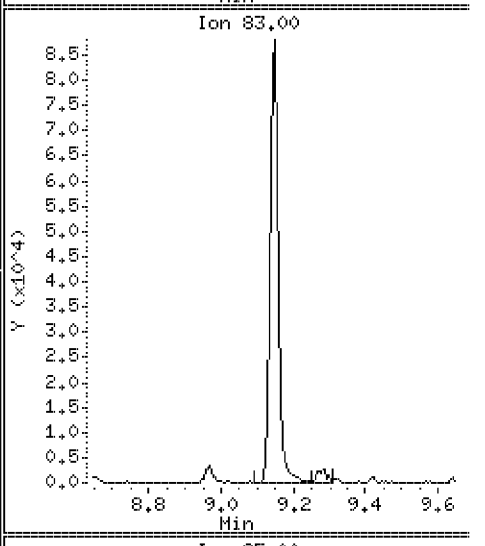


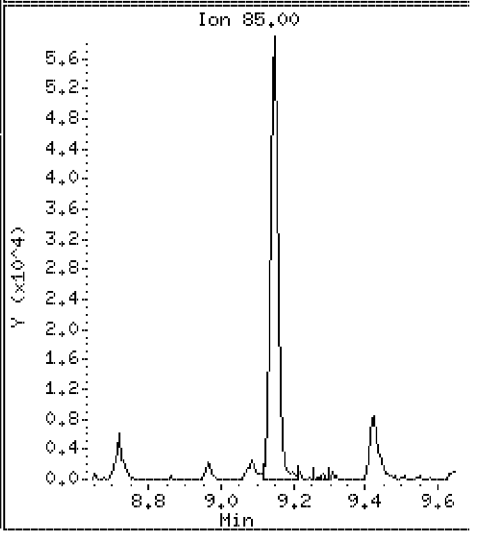












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

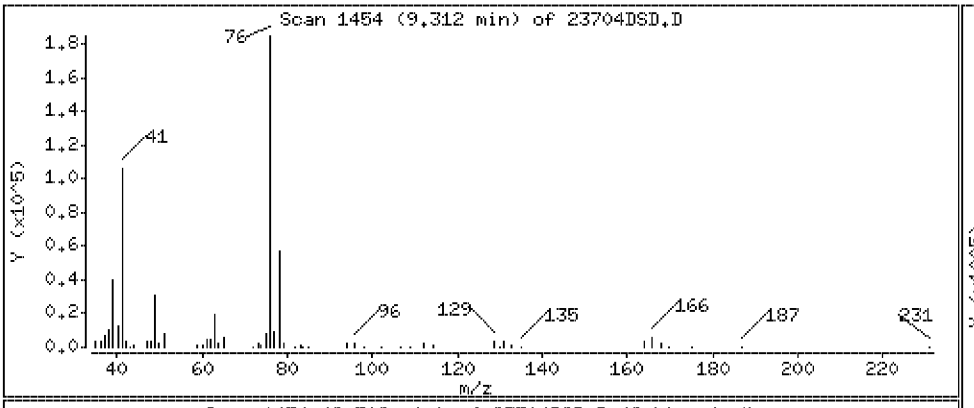
Operator:

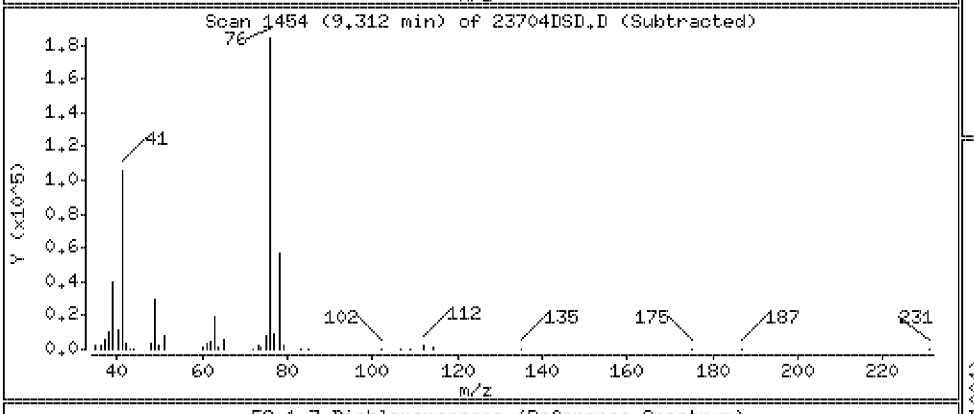
Column phase: RTX-502.2

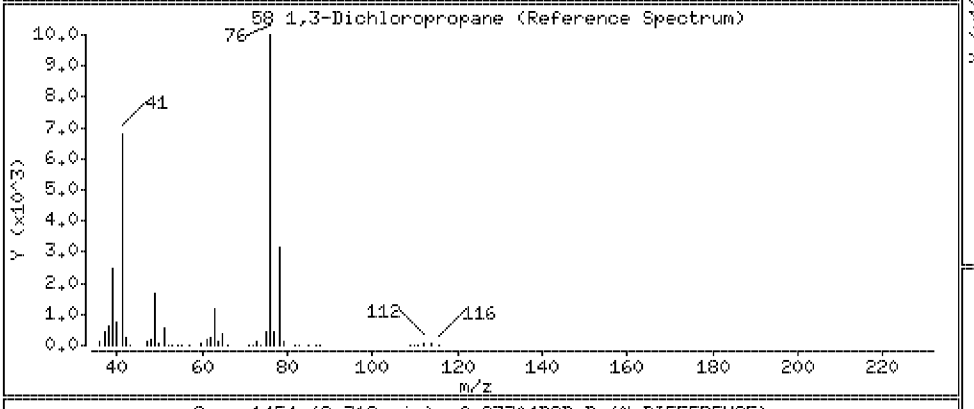
Column diameter: 0.18

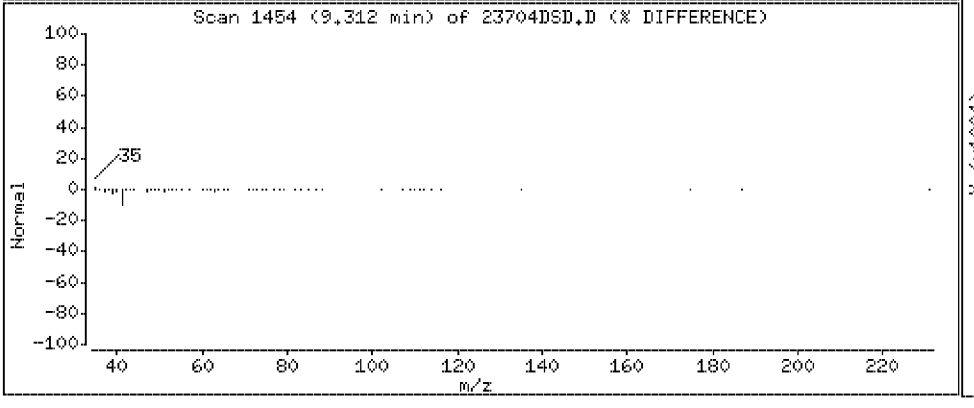
58 1,3-Dichloropropane

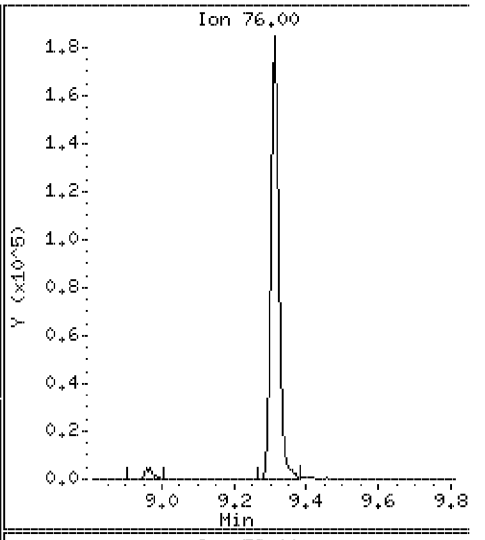
Concentration: 102 ug/l

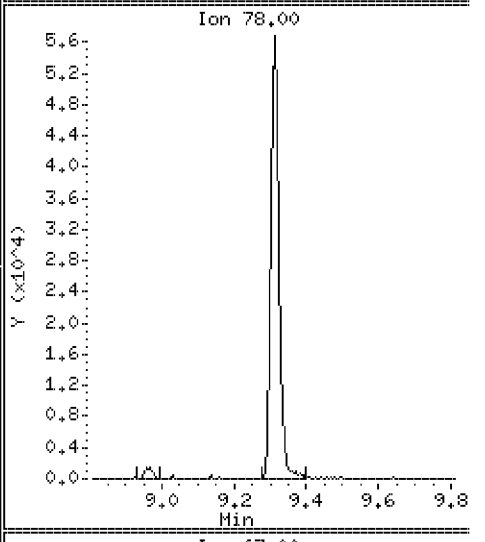


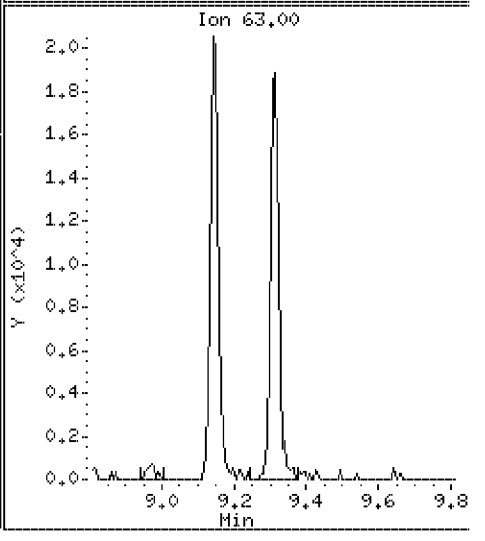












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

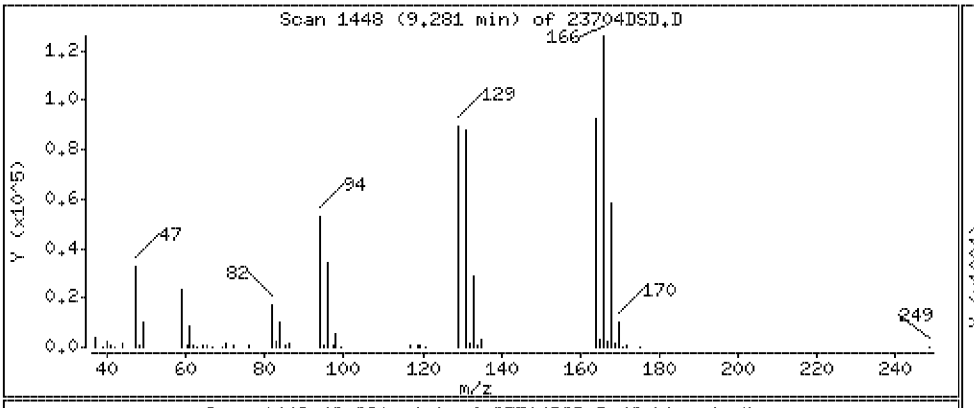
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

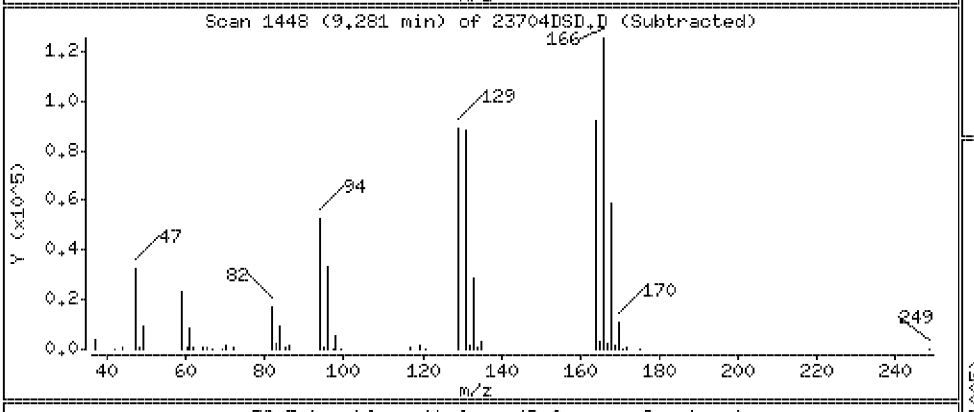
Sample Info: 350023704;3500237;5;

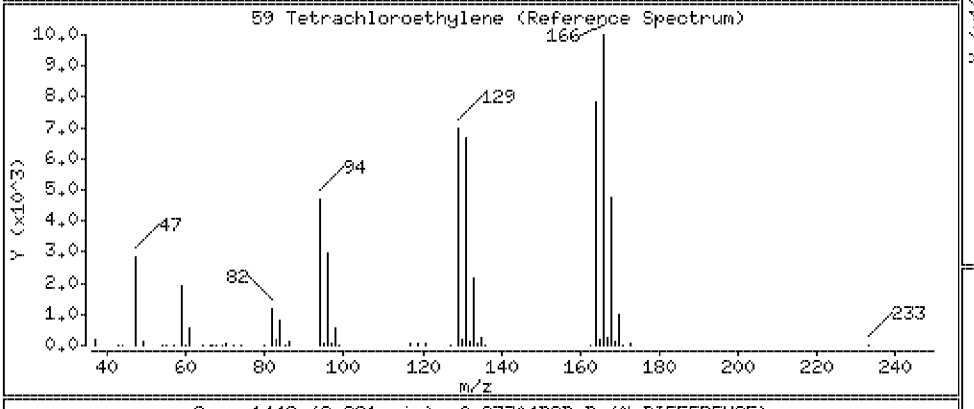
Purge Volume: 5.0 Operator:

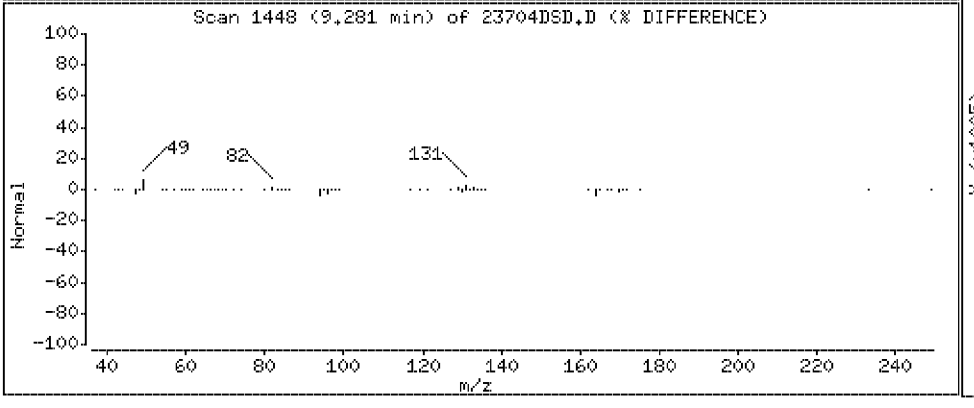
Column phase: RTX-502.2 Column diameter: 0.18

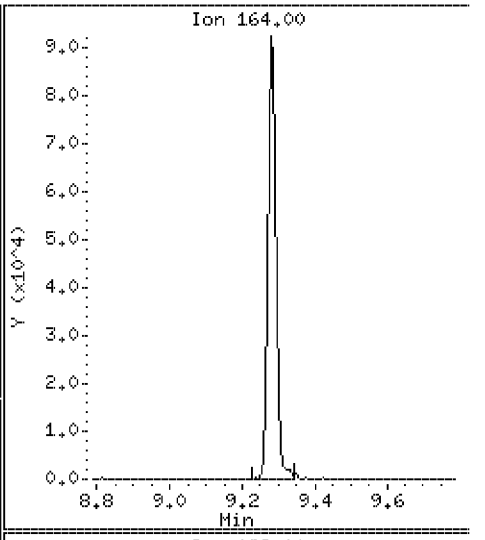
59 Tetrachloroethylene Concentration: 103 ug/l

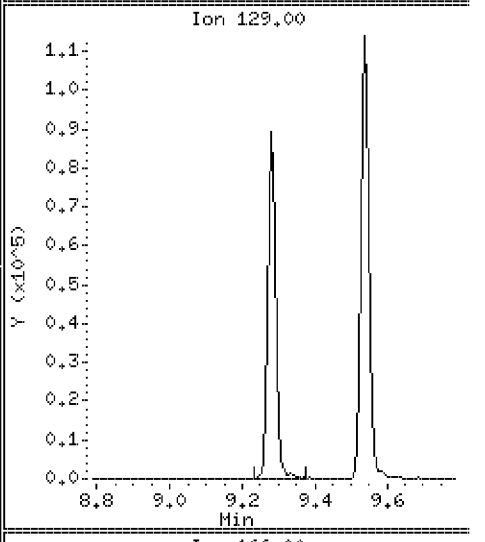


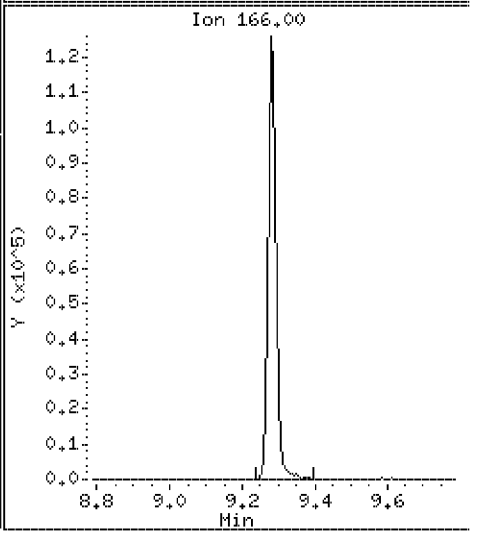












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

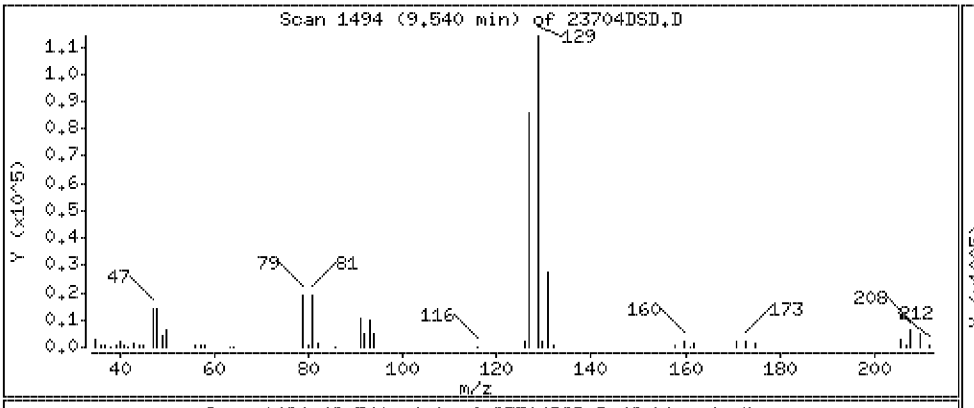
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

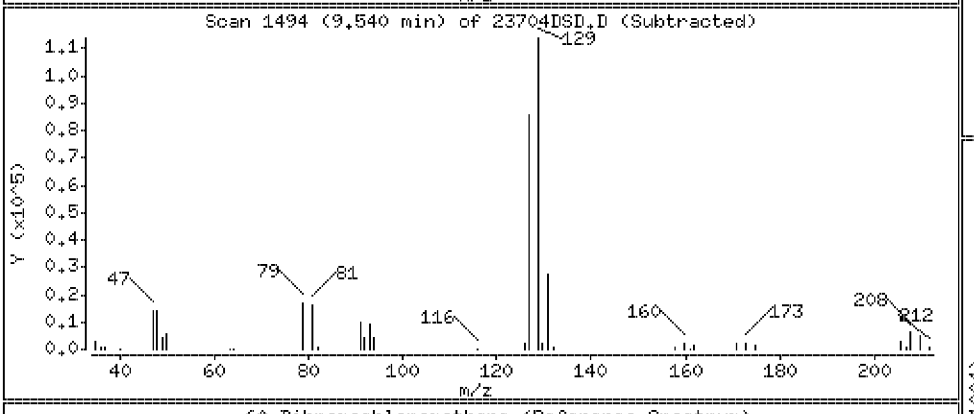
Sample Info: 350023704;3500237;5;

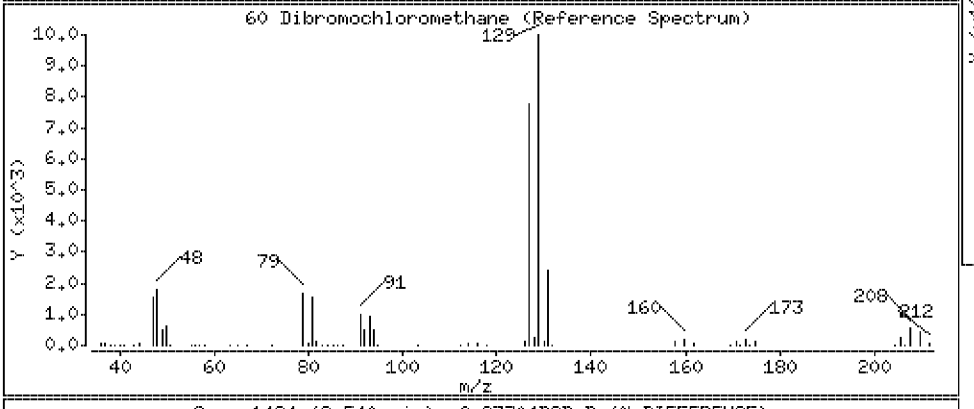
Purge Volume: 5.0 Operator:

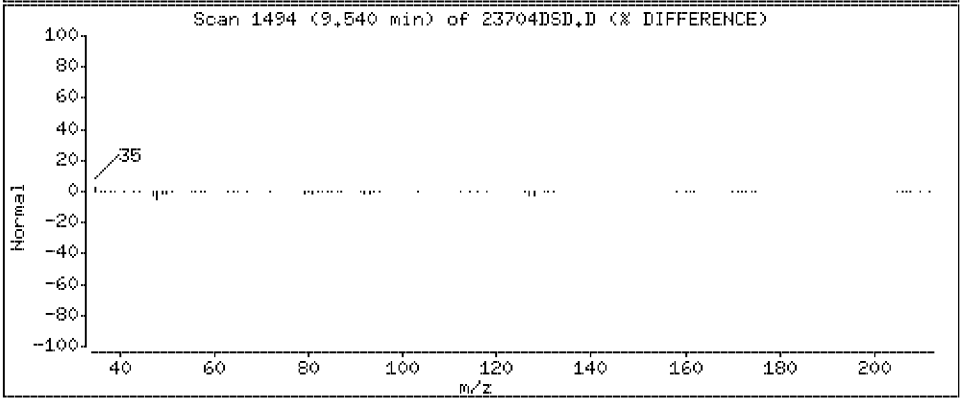
Column phase: RTX-502.2 Column diameter: 0.18

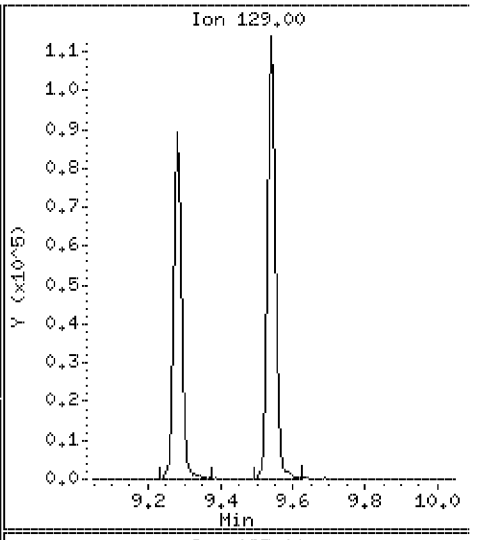
60 Dibromochloromethane Concentration: 99.3 ug/l

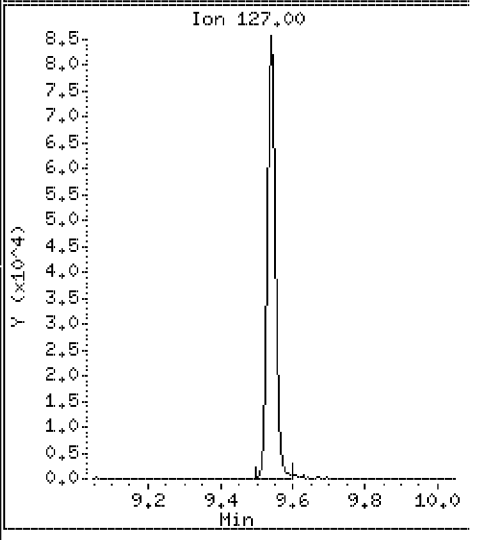












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

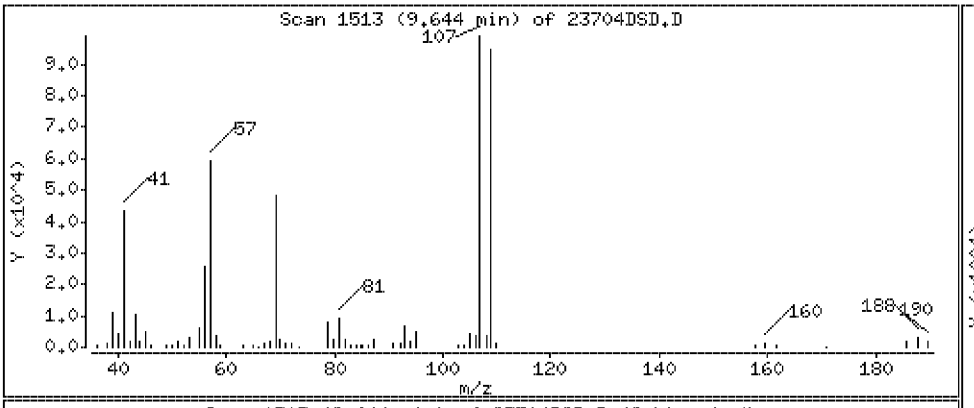
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

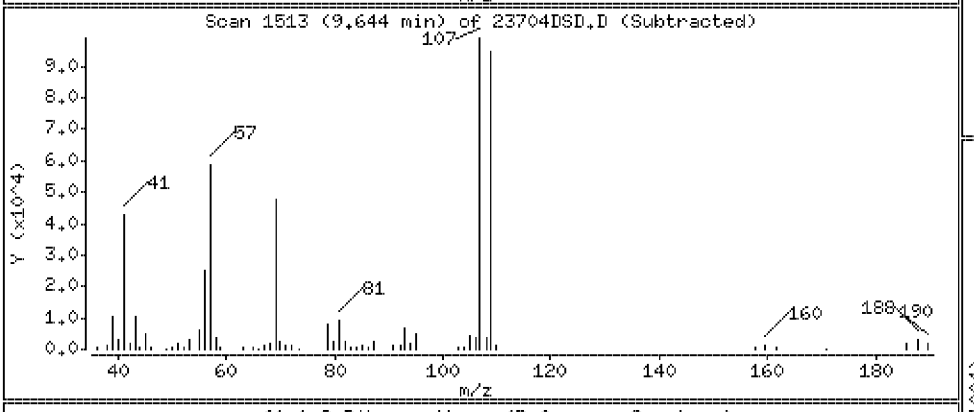
Sample Info: 350023704;3500237;5;

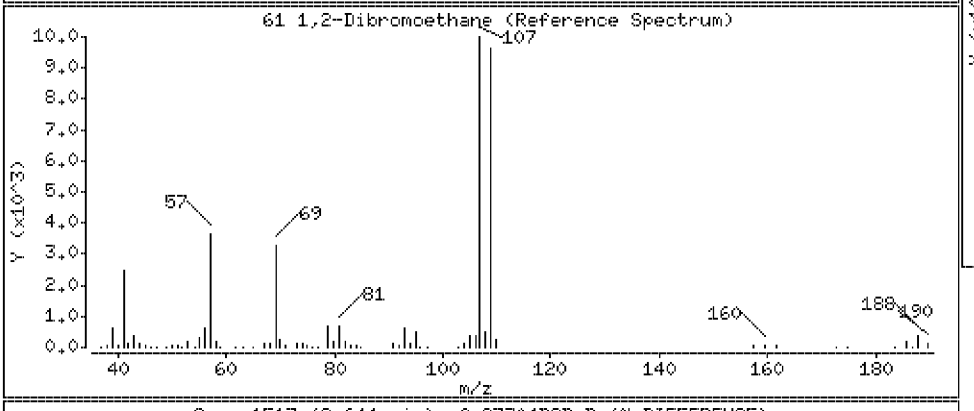
Purge Volume: 5.0 Operator:

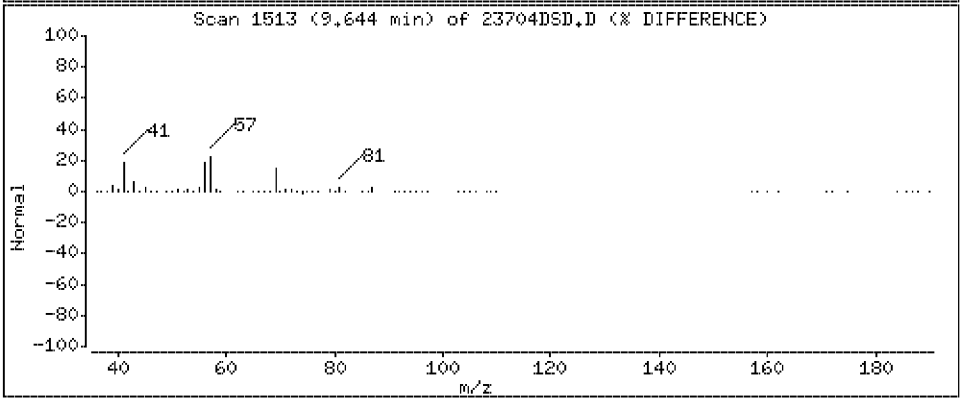
Column phase: RTX-502.2 Column diameter: 0.18

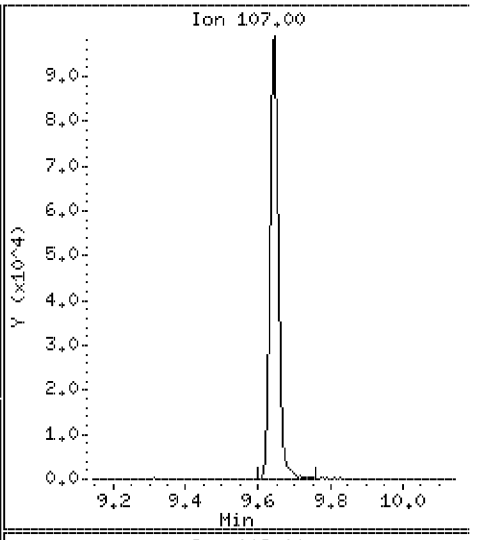
61 1,2-Dibromoethane Concentration: 99.8 ug/l

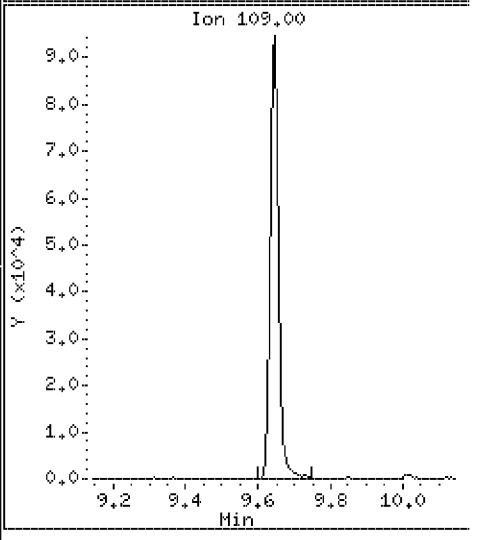












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

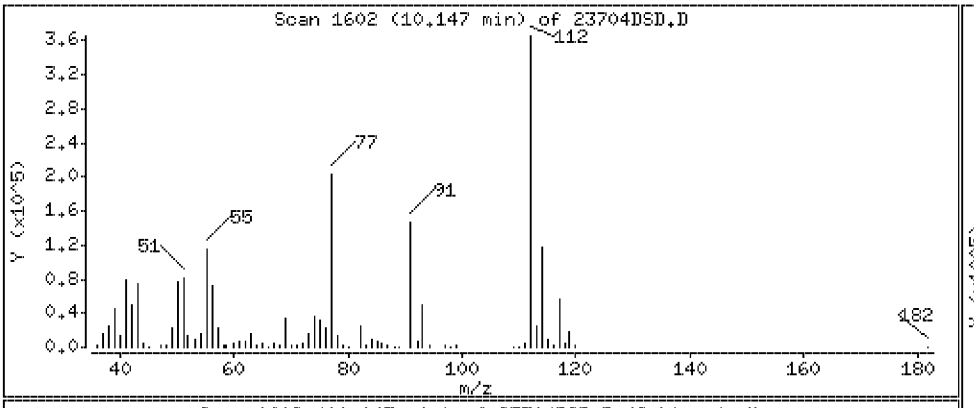
Operator:

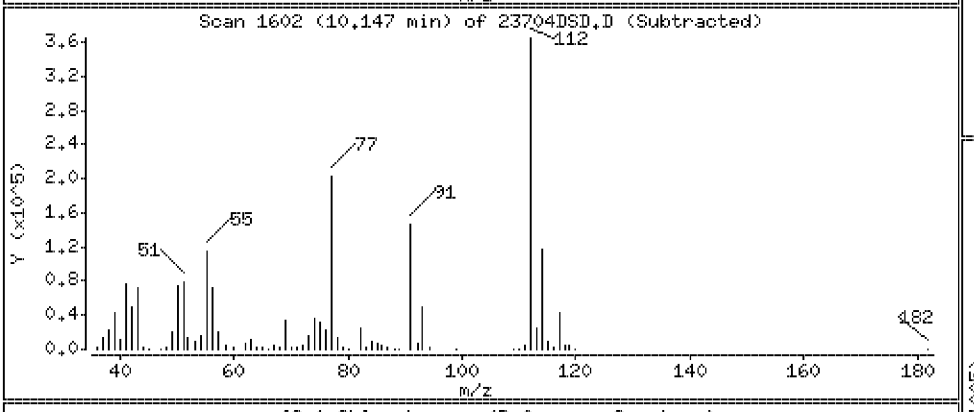
Column phase: RTX-502.2

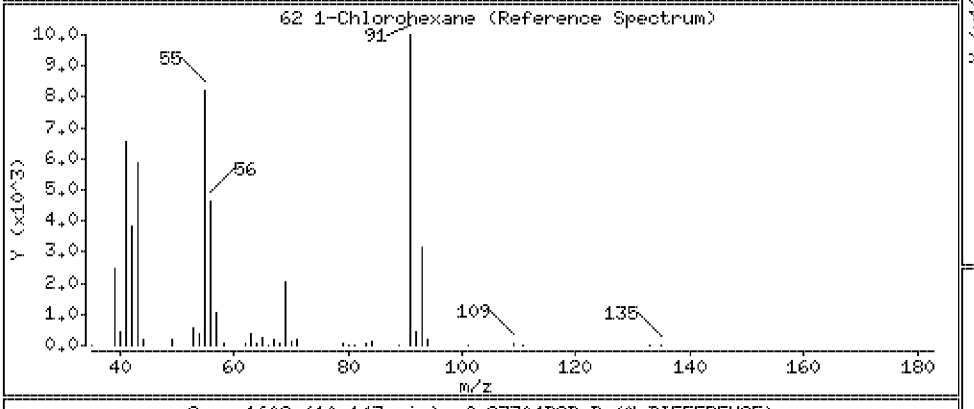
Column diameter: 0.18

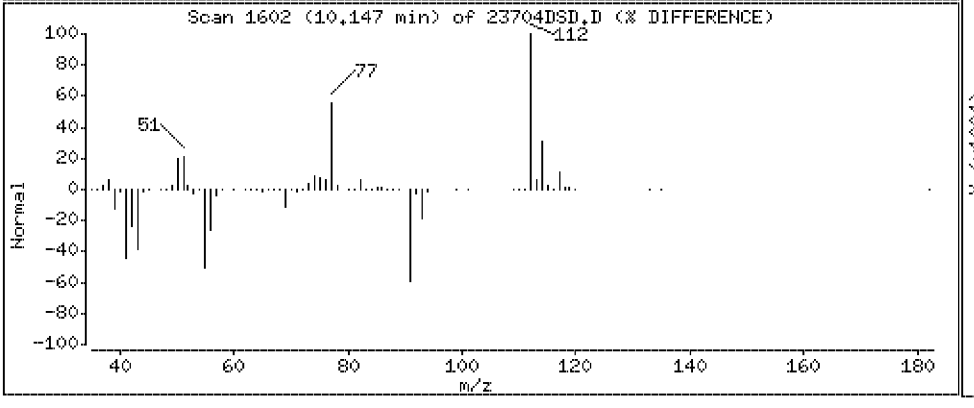
62 1-Chlorohexane

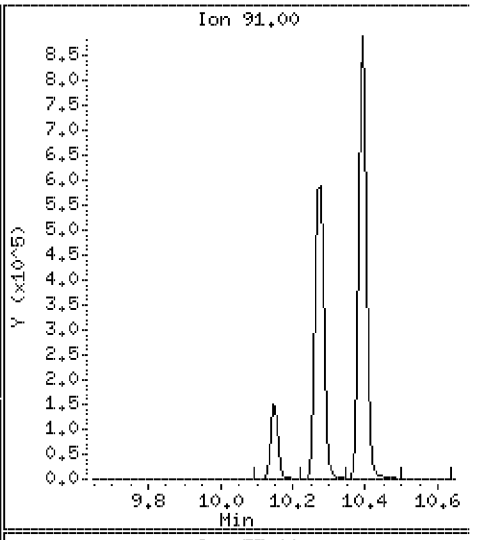
Concentration: 98.8 ug/l

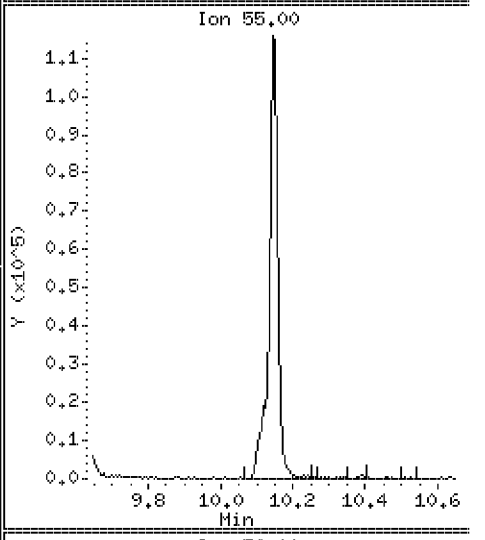


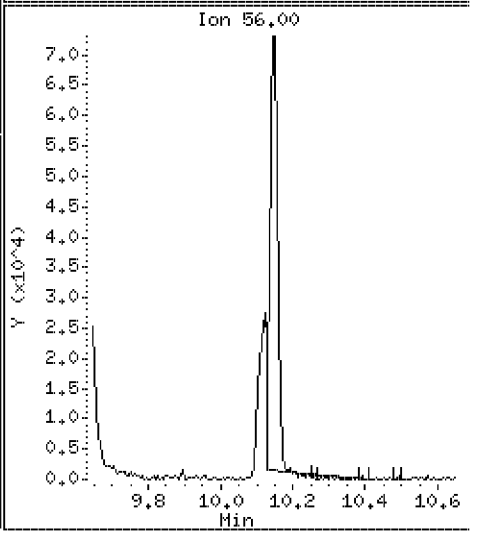












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

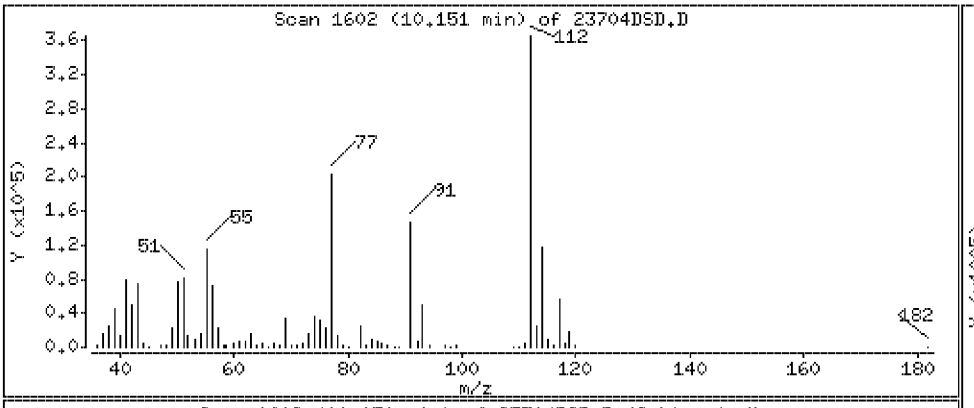
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

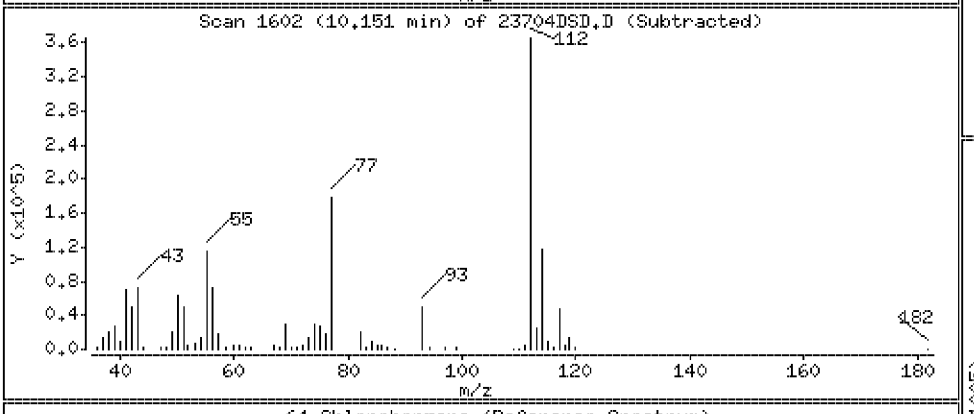
Sample Info: 350023704;3500237;5;

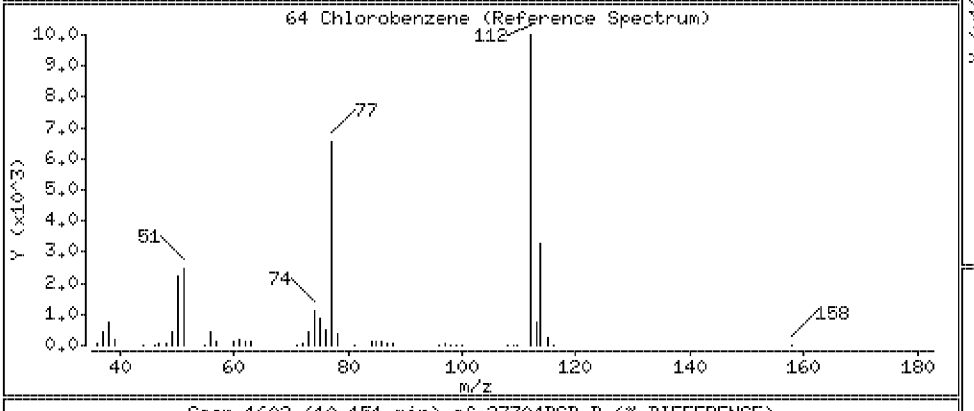
Purge Volume: 5.0 Operator:

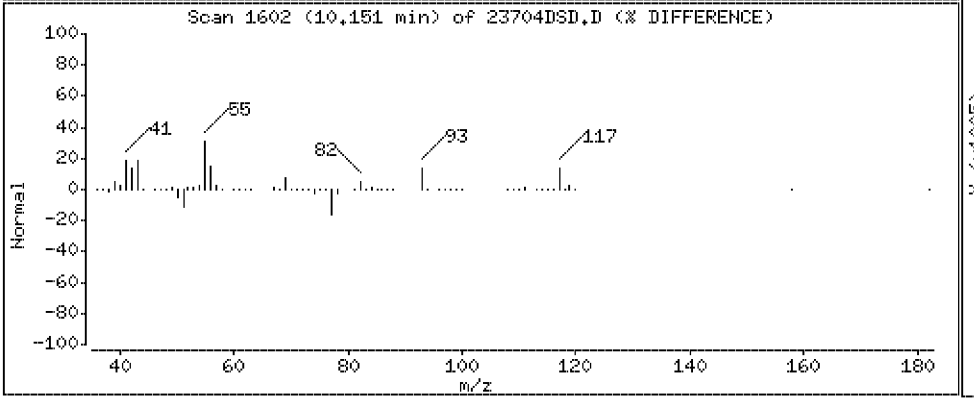
Column phase: RTX-502.2 Column diameter: 0.18

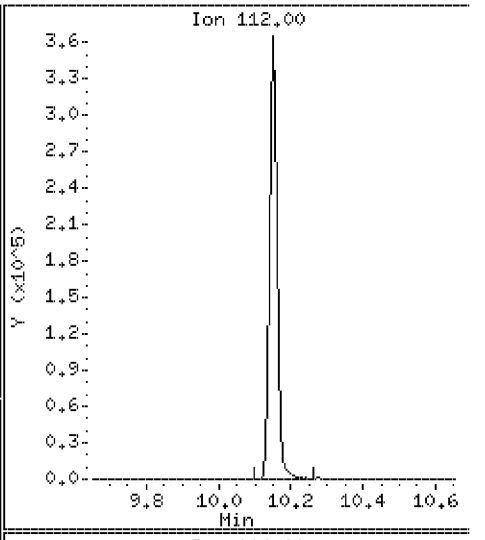
64 Chlorobenzene Concentration: 104 ug/l

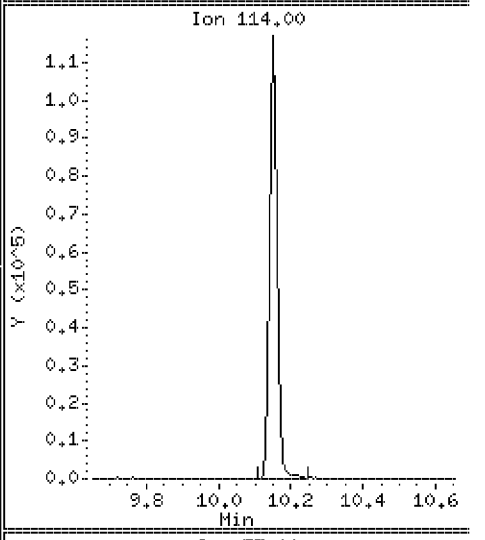


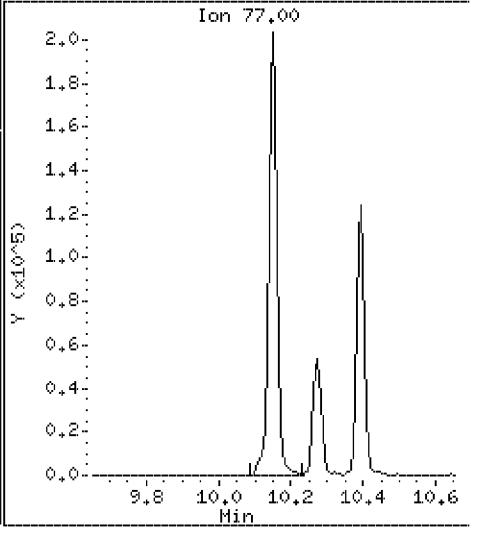












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

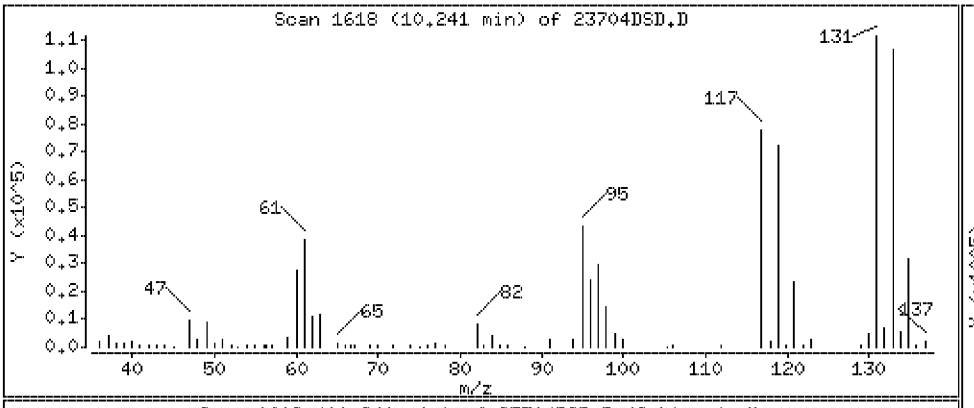
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

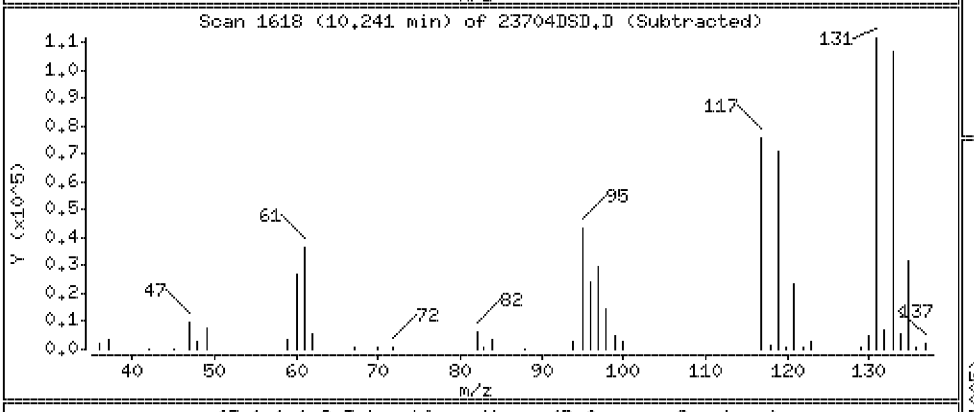
Sample Info: 350023704;3500237;5;

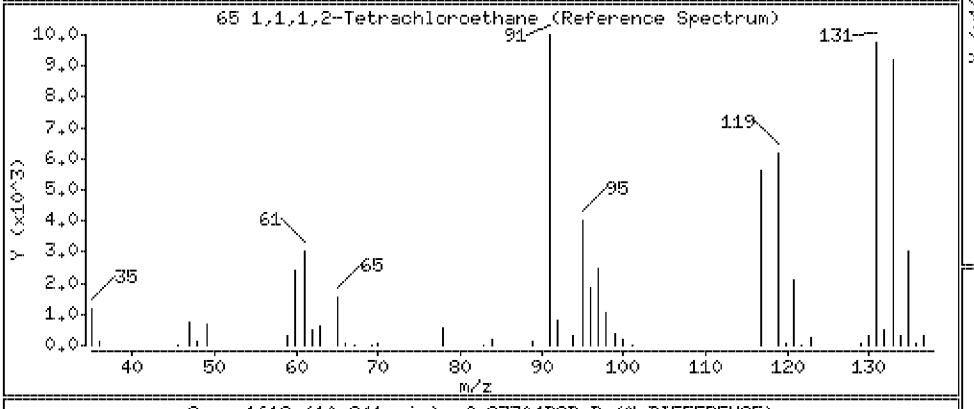
Purge Volume: 5.0 Operator:

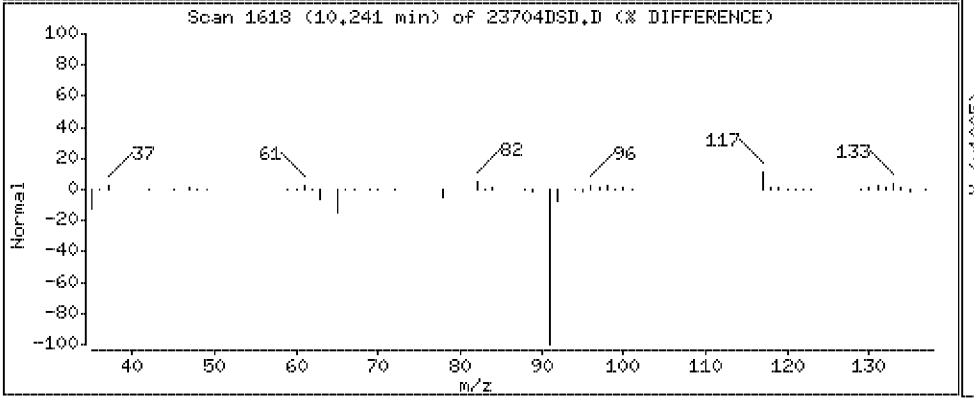
Column phase: RTX-502.2 Column diameter: 0.18

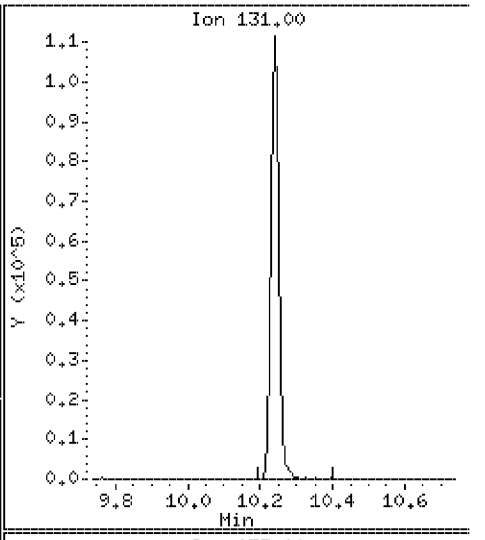
65 1,1,1,2-Tetrachloroethane Concentration: 98.2 ug/l

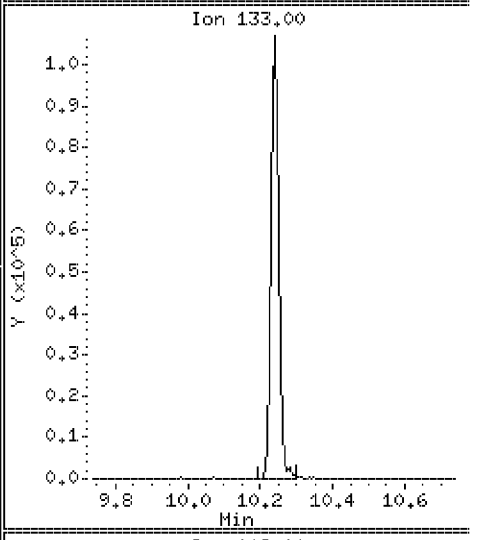


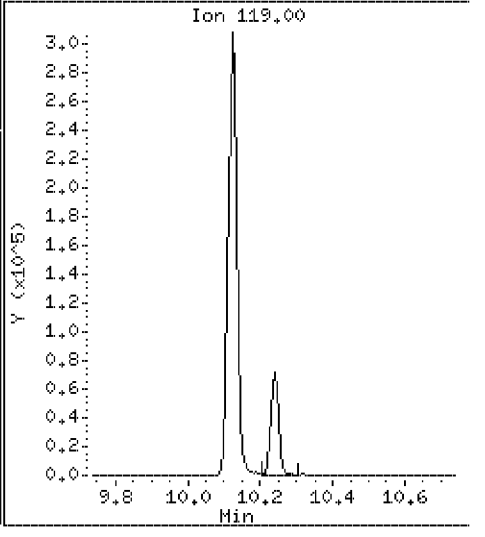












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

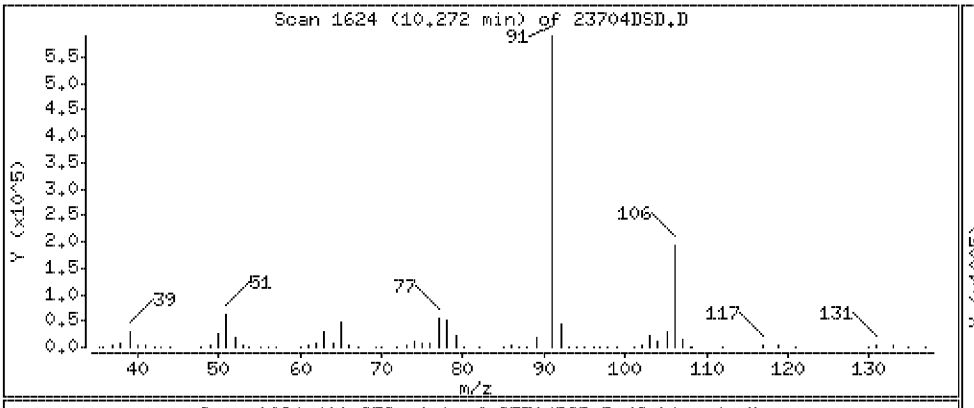
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

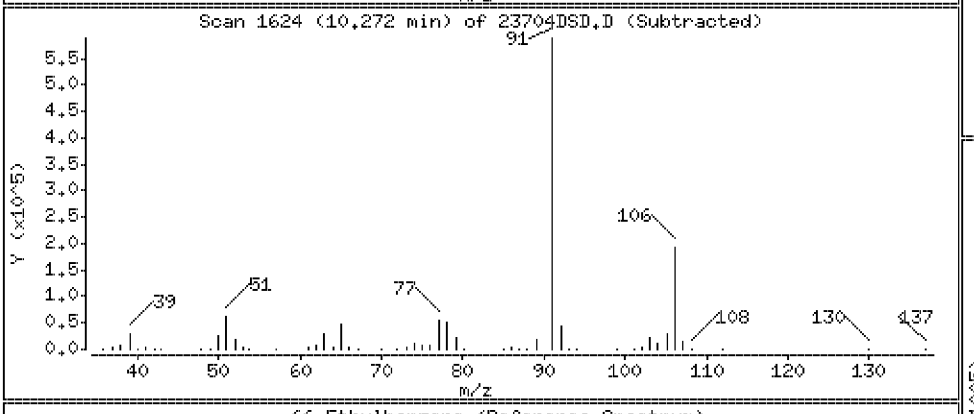
Sample Info: 350023704;3500237;5;

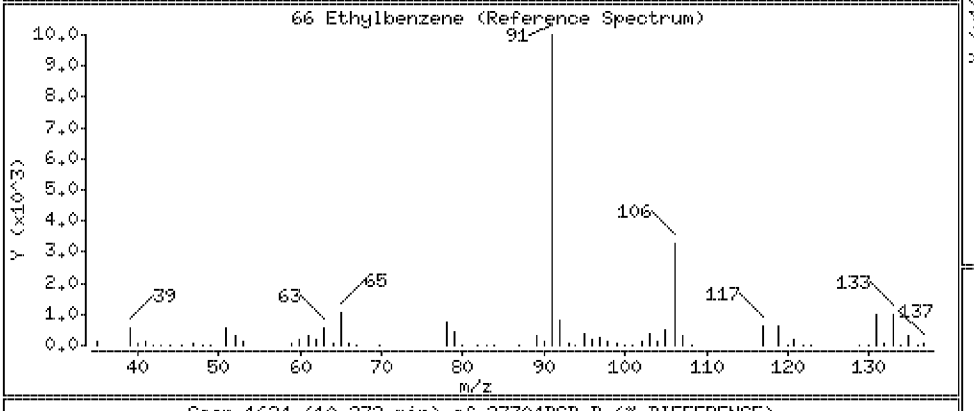
Purge Volume: 5.0 Operator:

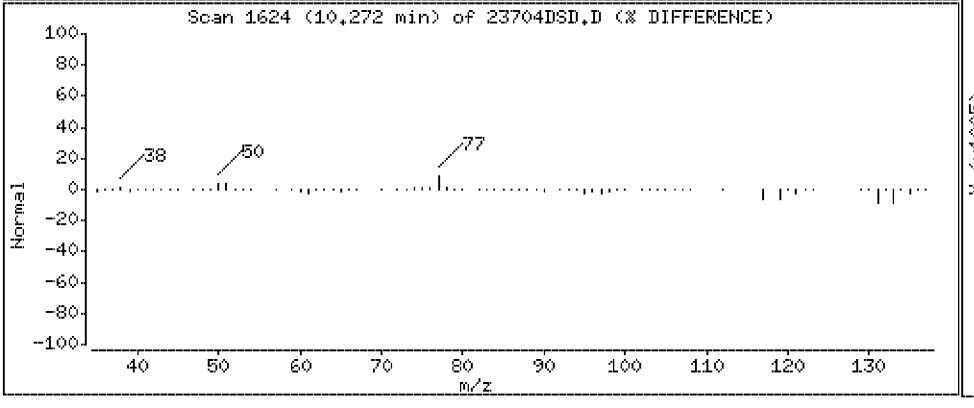
Column phase: RTX-502.2 Column diameter: 0.18

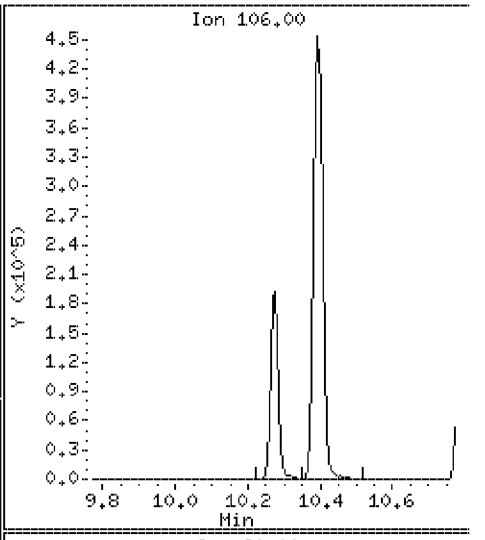
66 Ethylbenzene Concentration: 105 ug/l

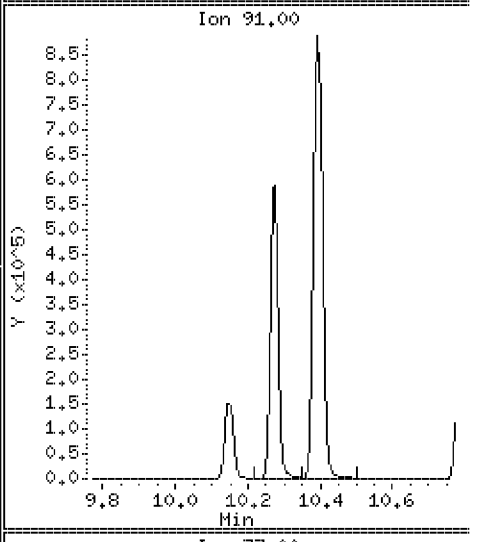


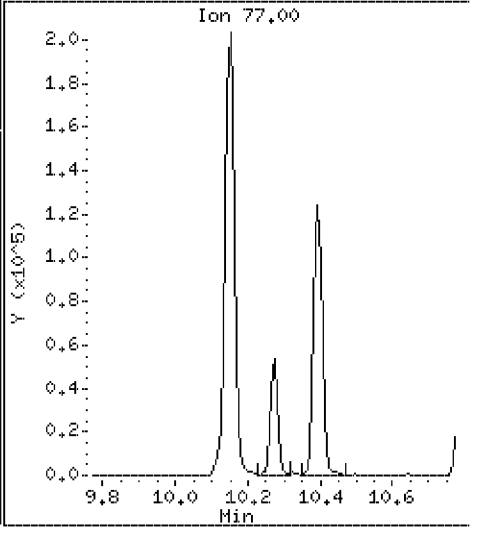












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

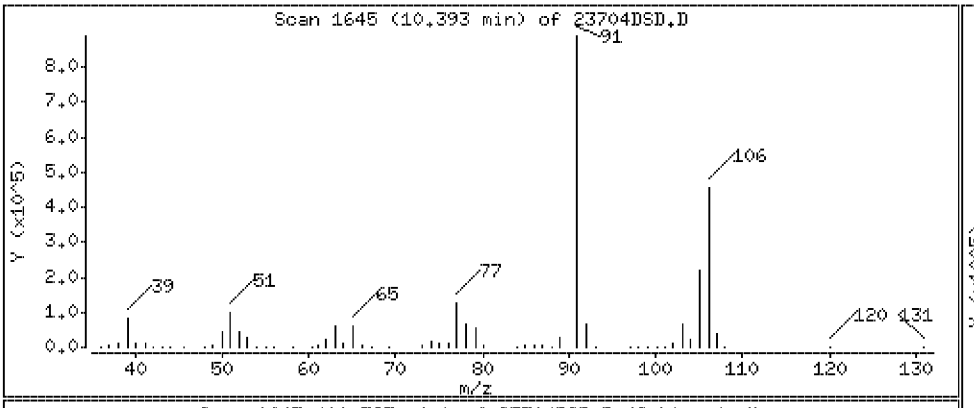
Operator:

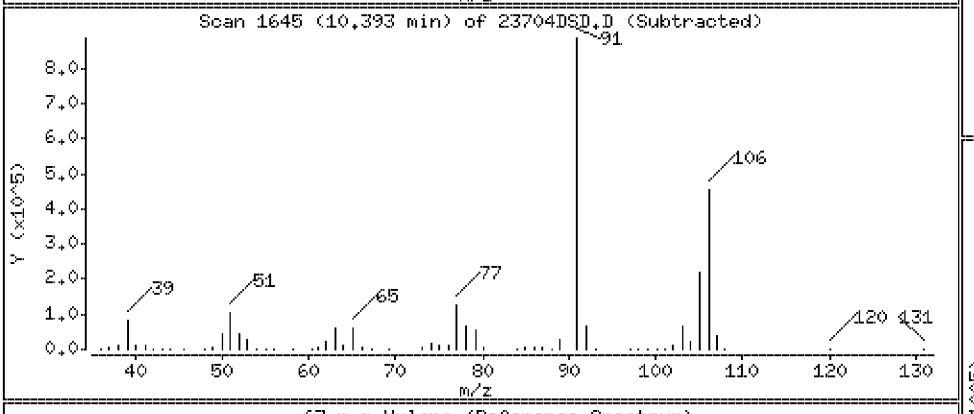
Column phase: RTX-502.2

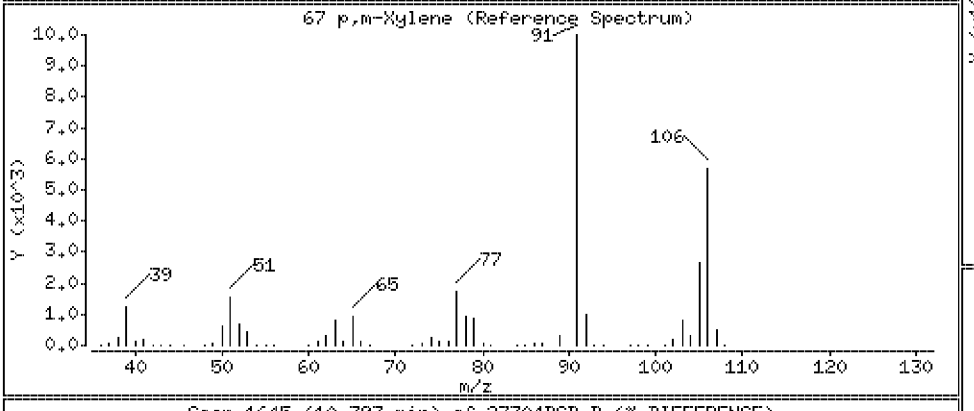
Column diameter: 0.18

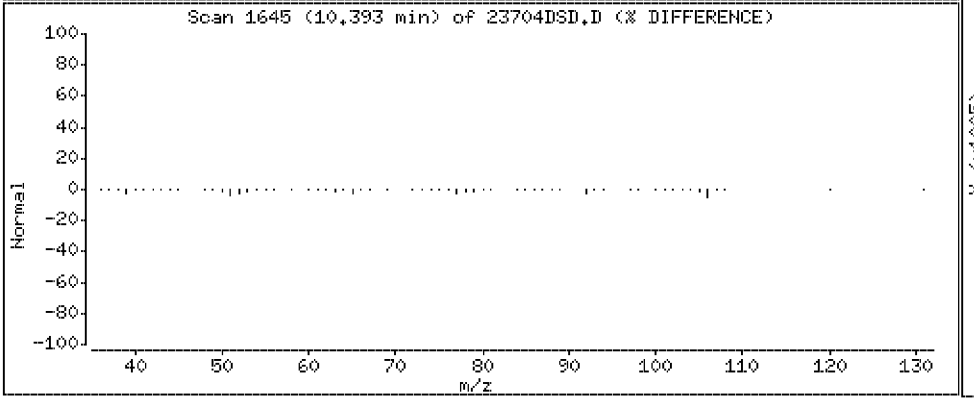
67 p,m-Xylene

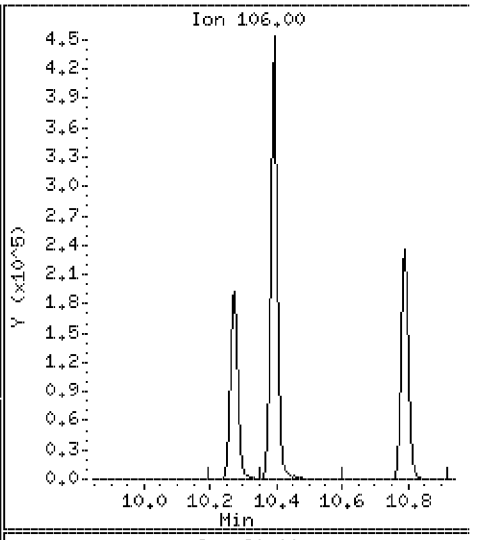
Concentration: 216 ug/l

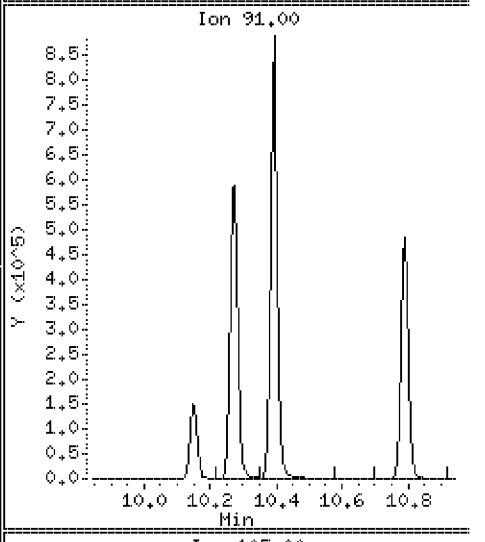


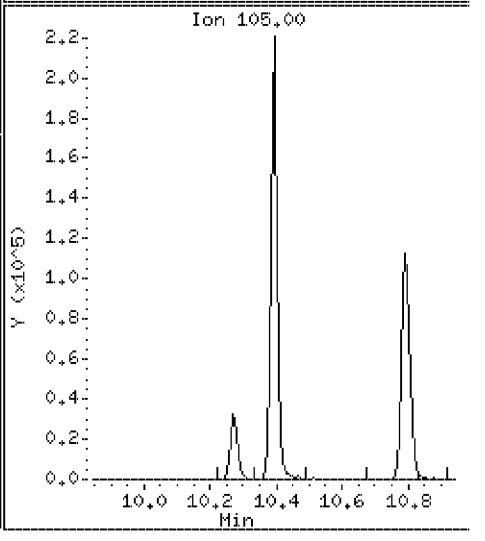












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

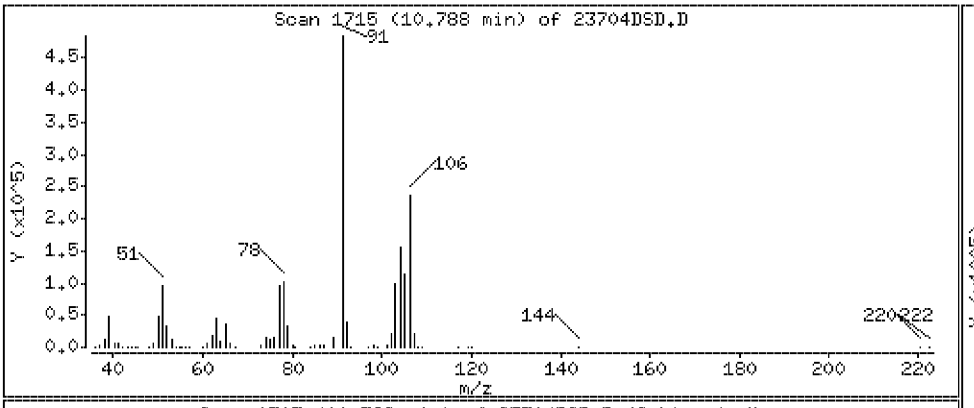
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

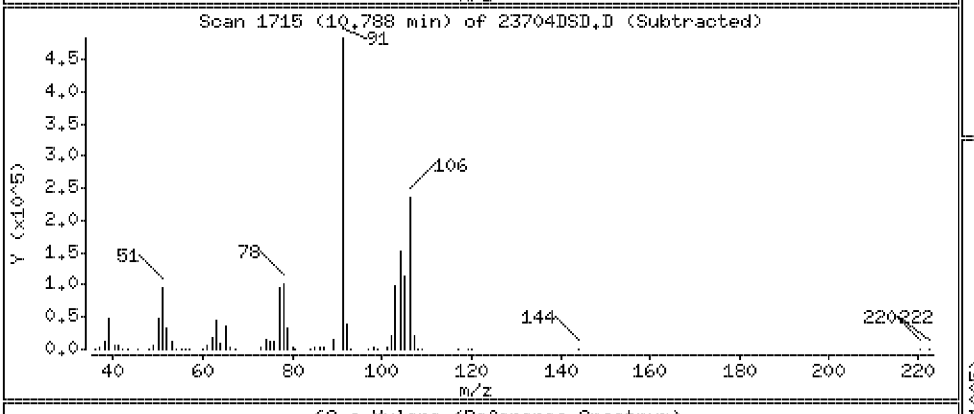
Sample Info: 350023704;3500237;5;

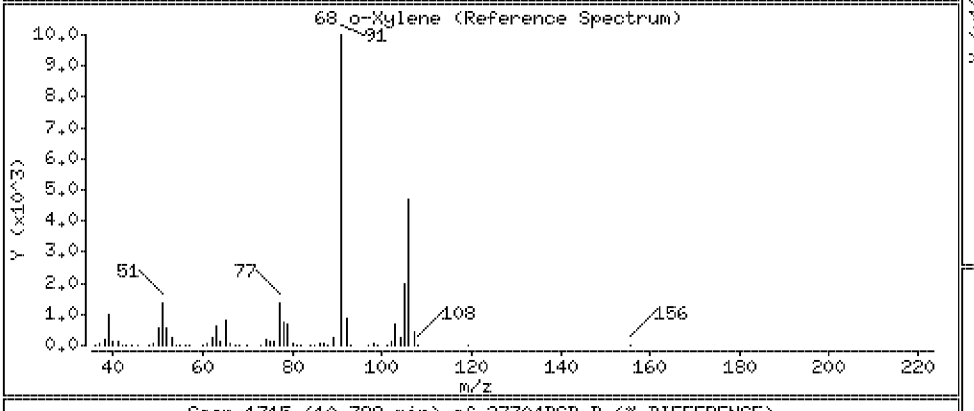
Purge Volume: 5.0 Operator:

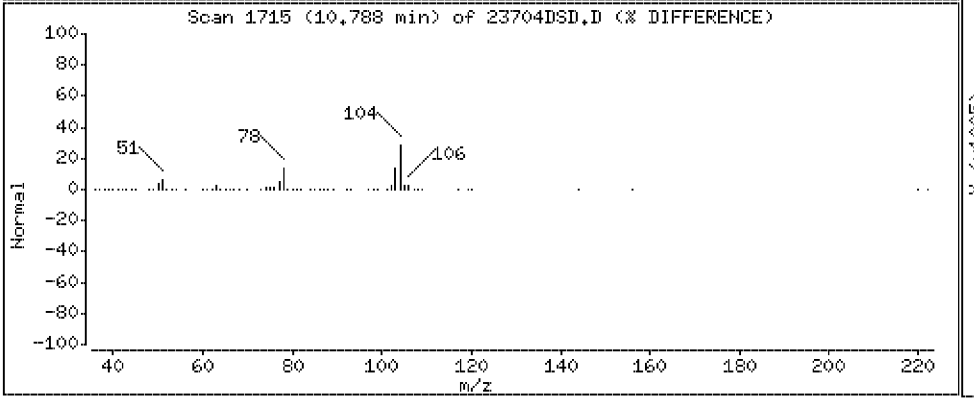
Column phase: RTX-502.2 Column diameter: 0.18

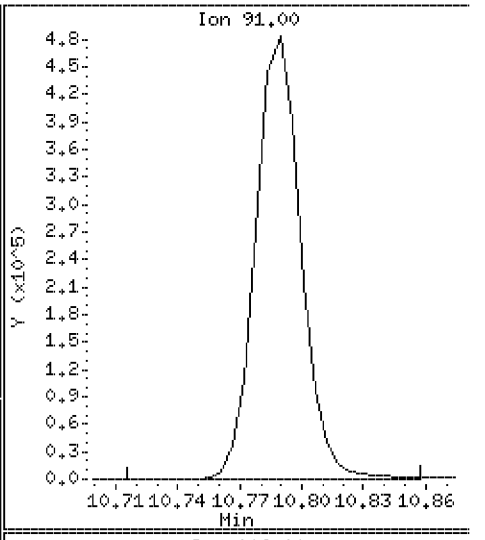
68 o-Xylene Concentration: 105 ug/l

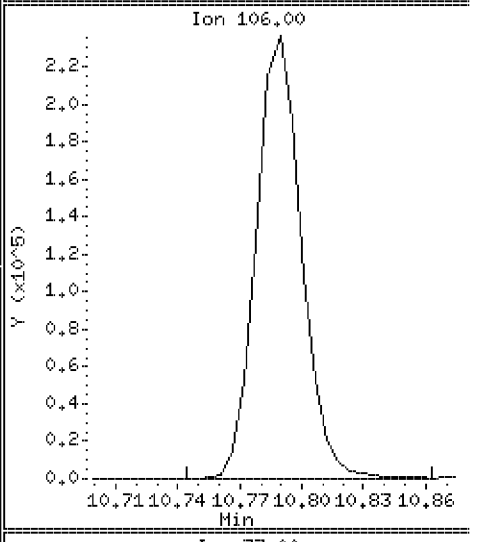


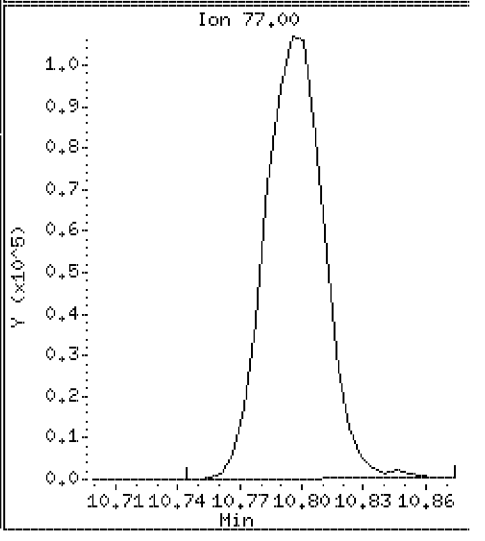












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

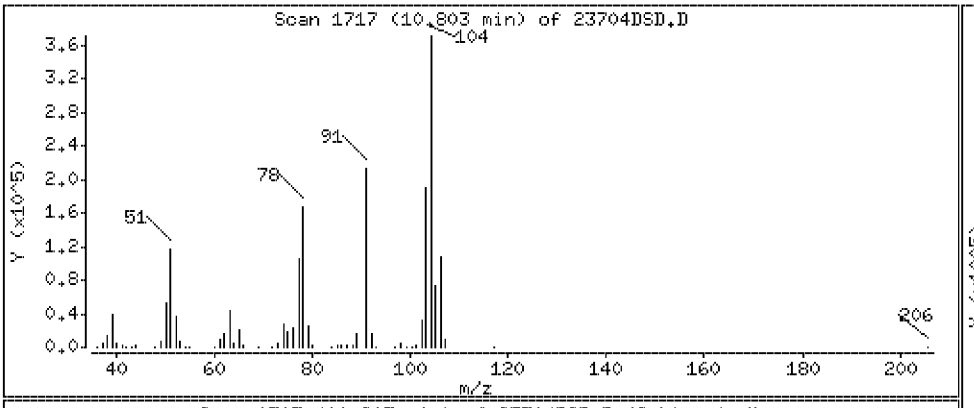
Operator:

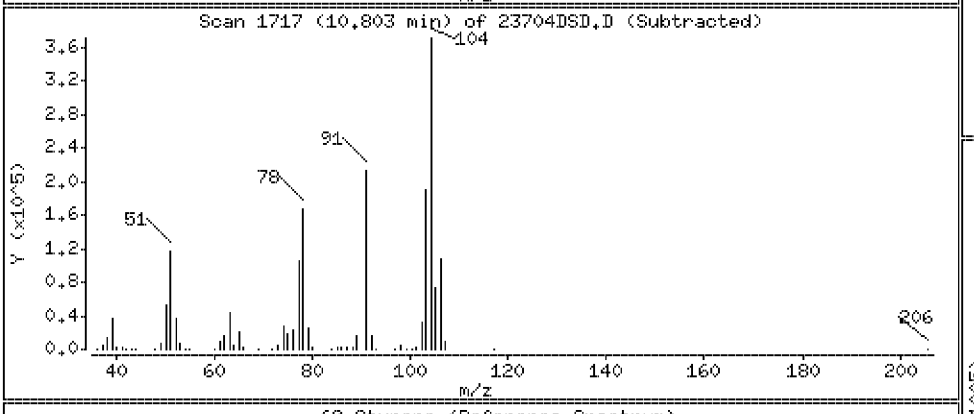
Column phase: RTX-502.2

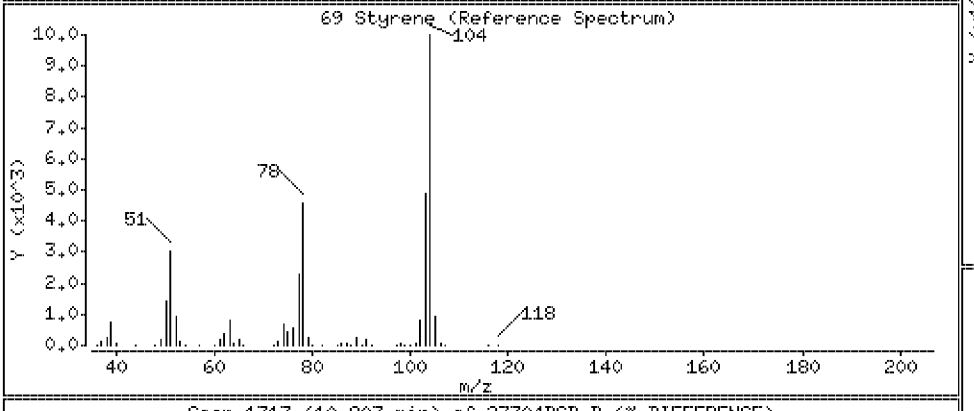
Column diameter: 0.18

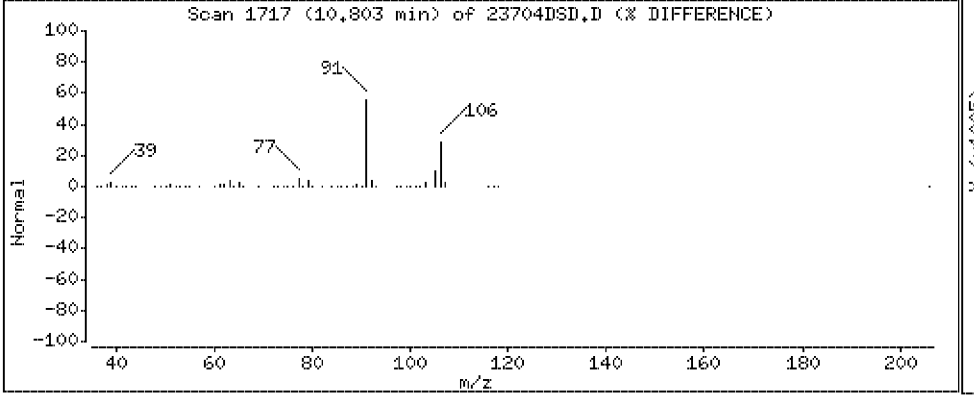
69 Styrene

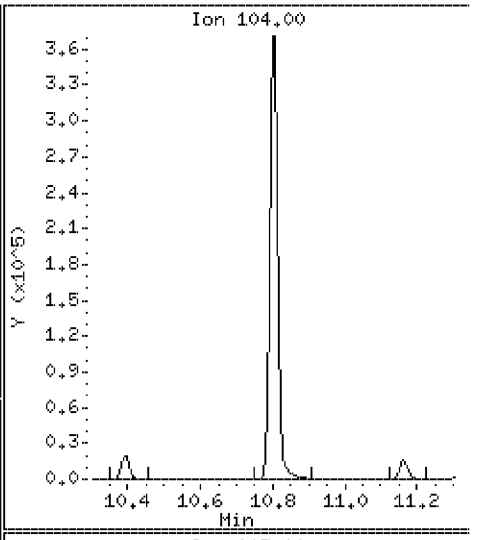
Concentration: 108 ug/l

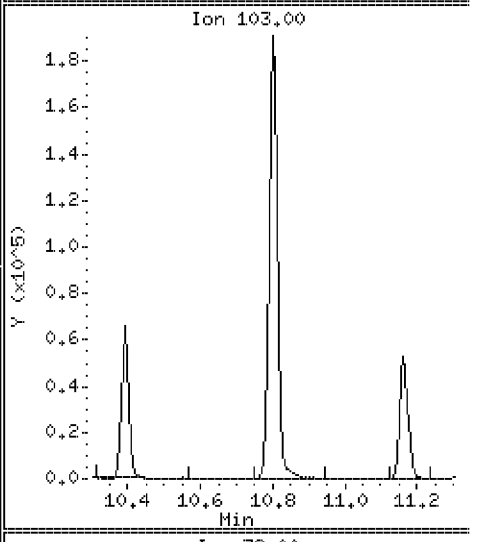


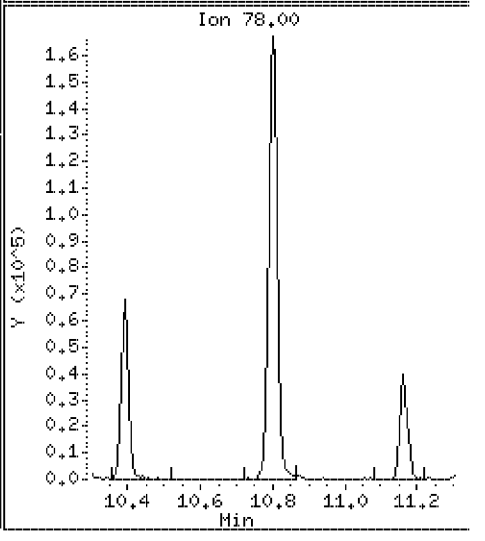












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

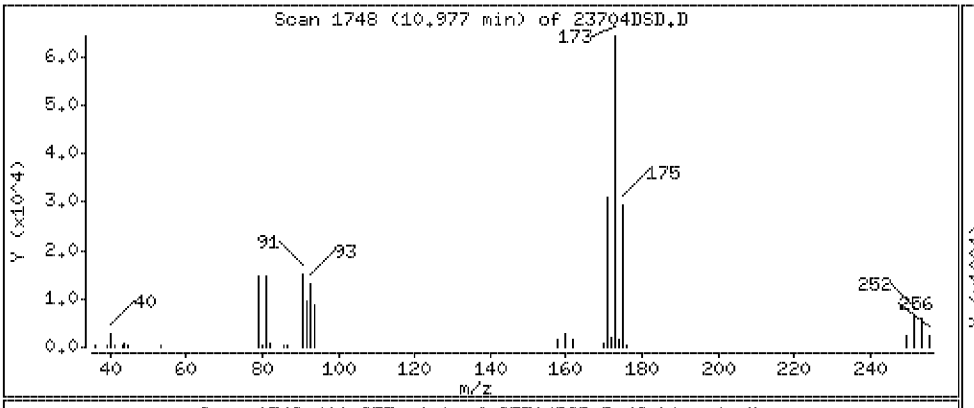
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

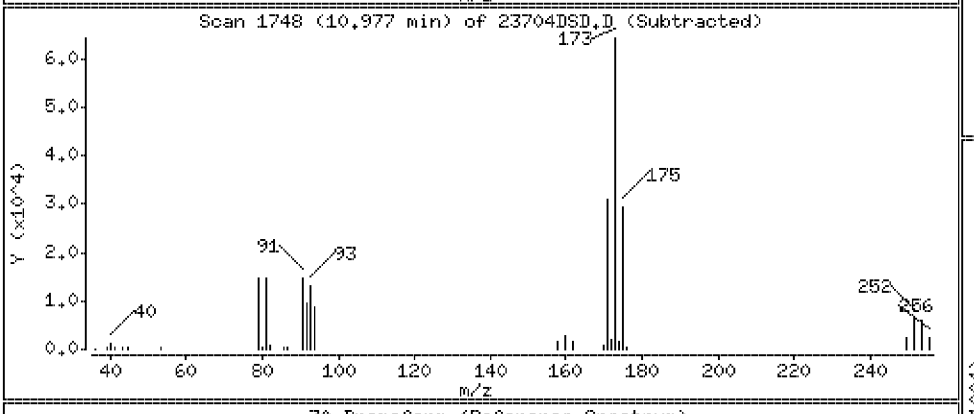
Sample Info: 350023704;3500237;5;

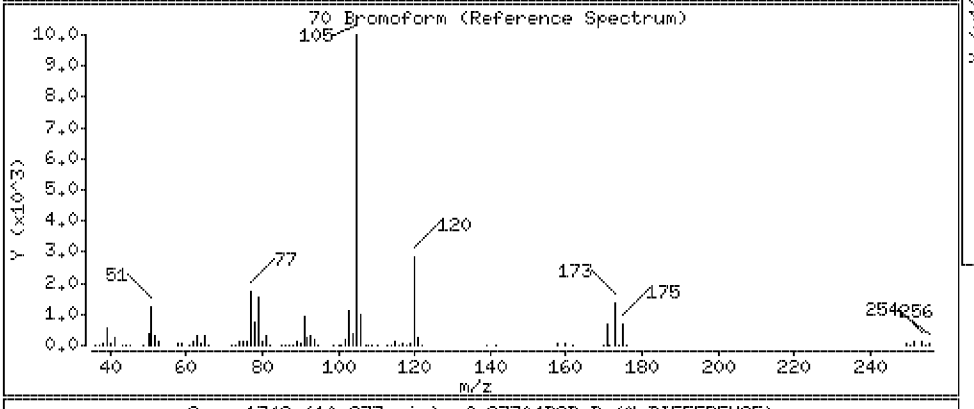
Purge Volume: 5.0 Operator:

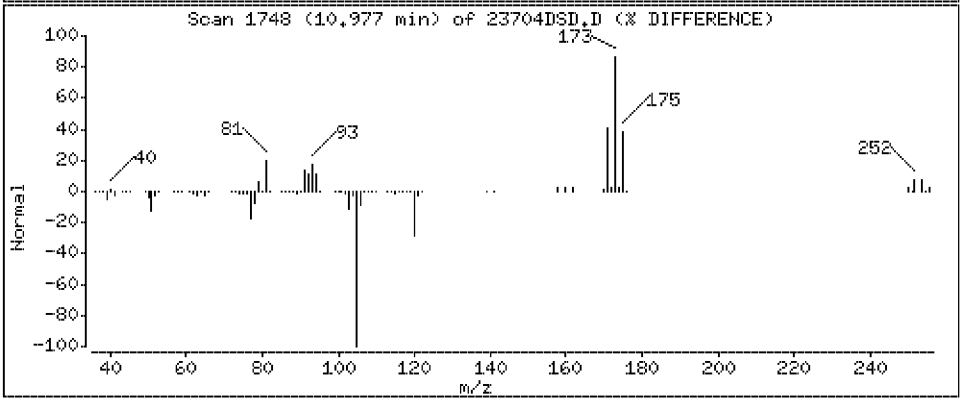
Column phase: RTX-502.2 Column diameter: 0.18

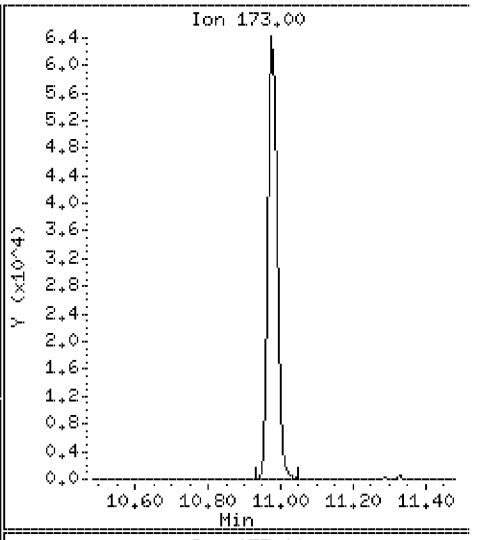
70 Bromoform Concentration: 93.4 ug/l

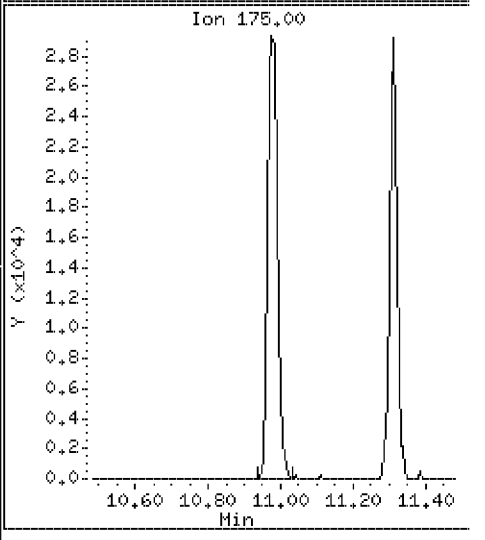












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

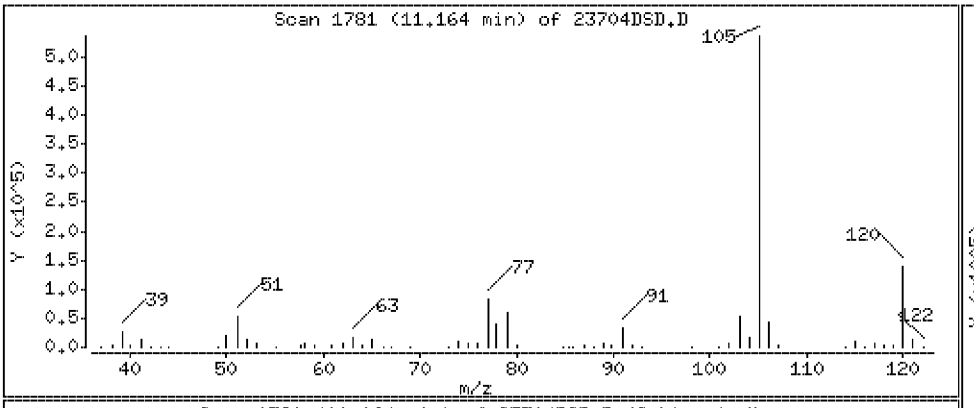
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

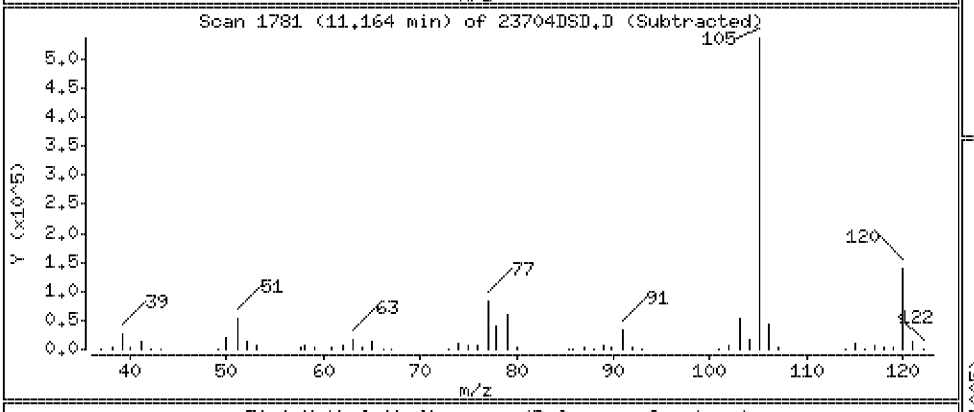
Sample Info: 350023704;3500237;5;

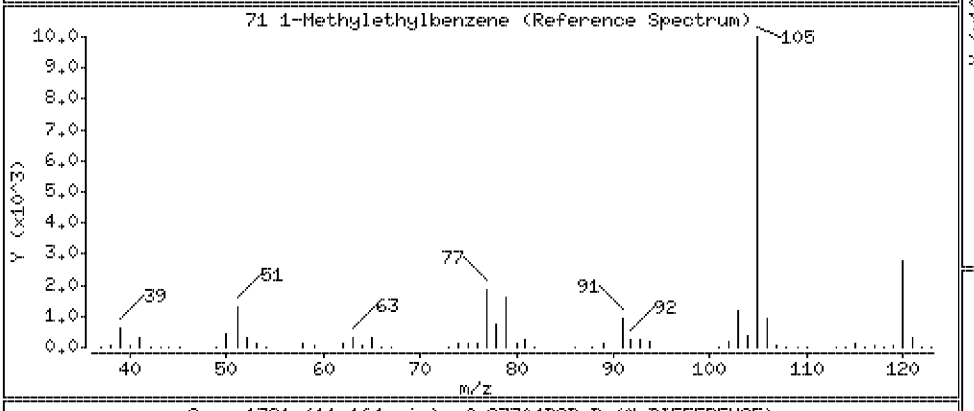
Purge Volume: 5.0 Operator:

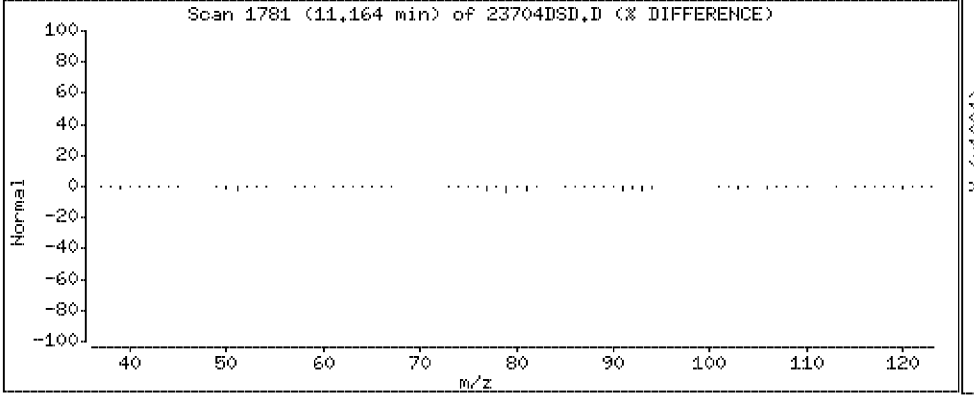
Column phase: RTX-502.2 Column diameter: 0.18

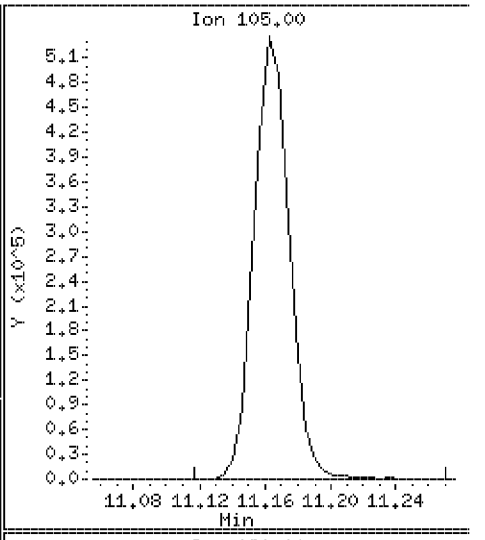
71 1-Methylethylbenzene Concentration: 102 ug/l

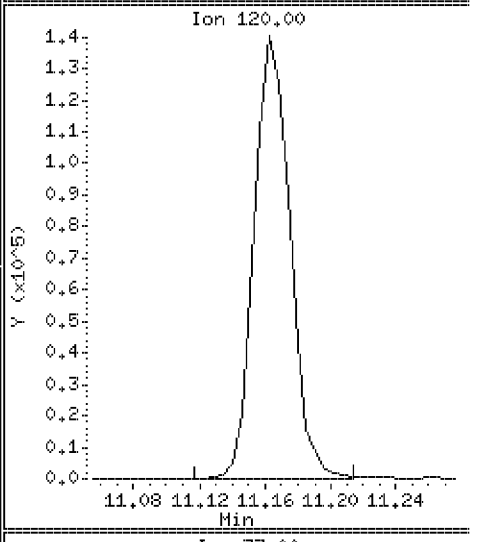


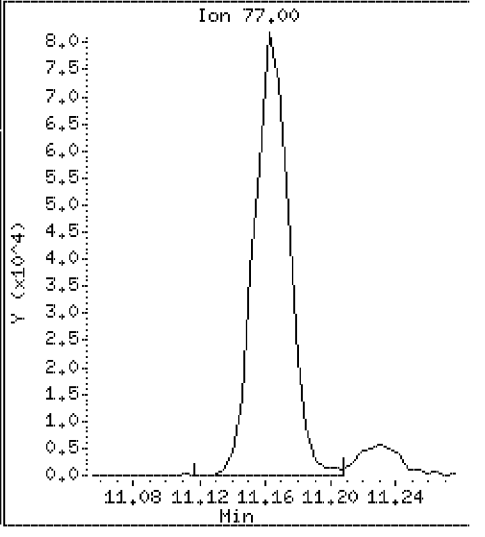












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

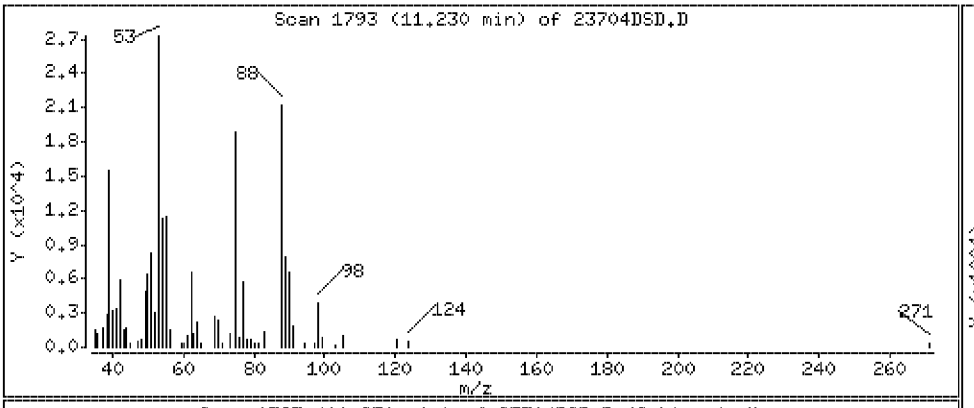
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

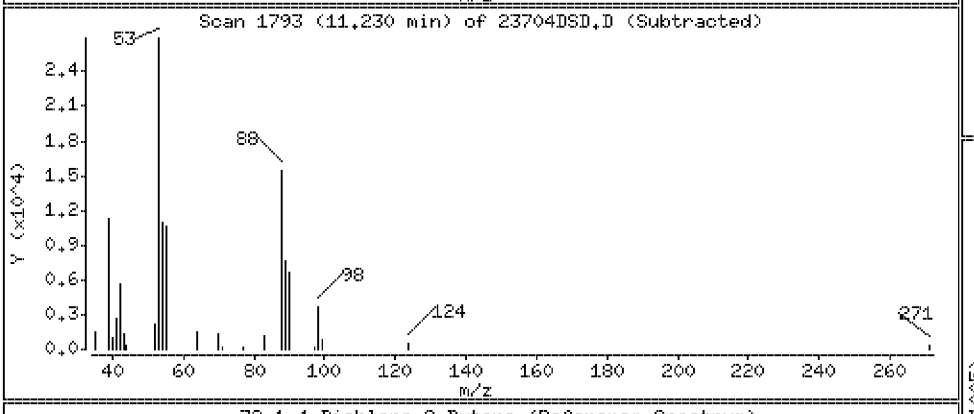
Sample Info: 350023704;3500237;5;

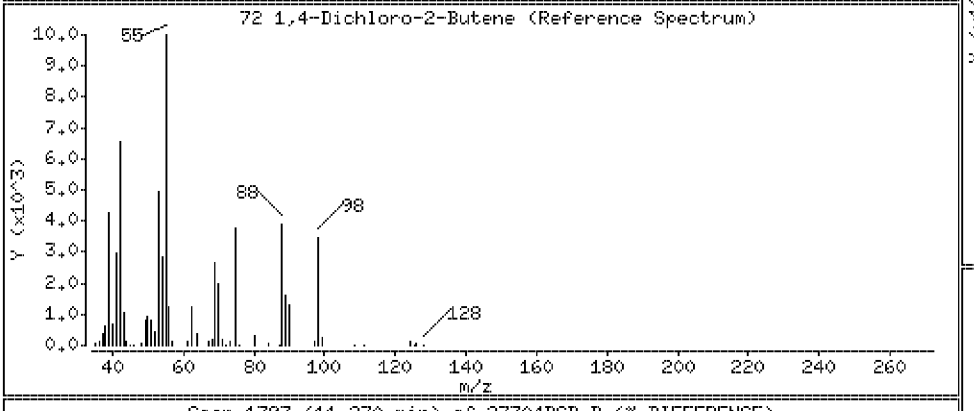
Purge Volume: 5.0 Operator:

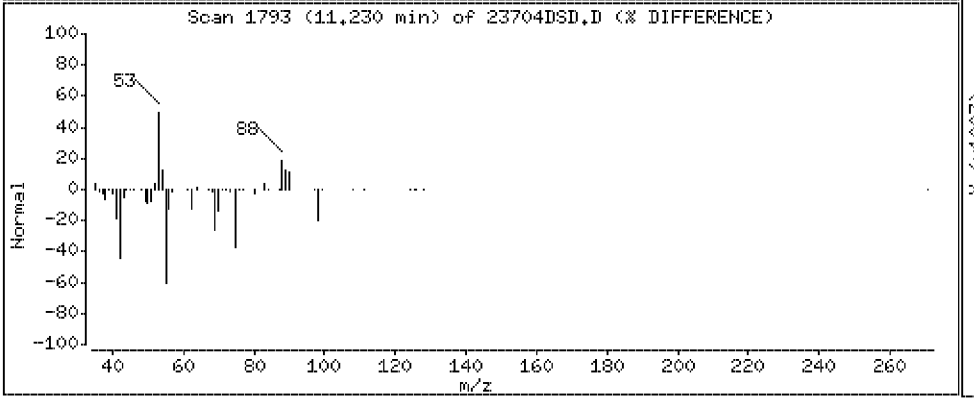
Column phase: RTX-502.2 Column diameter: 0.18

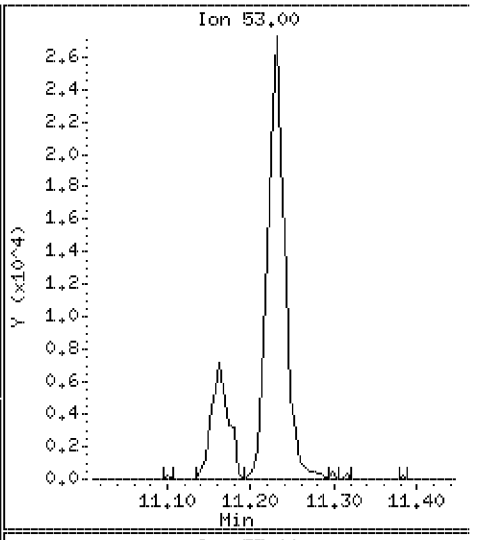
72 1,4-Dichloro-2-Butene Concentration: 156 ug/l

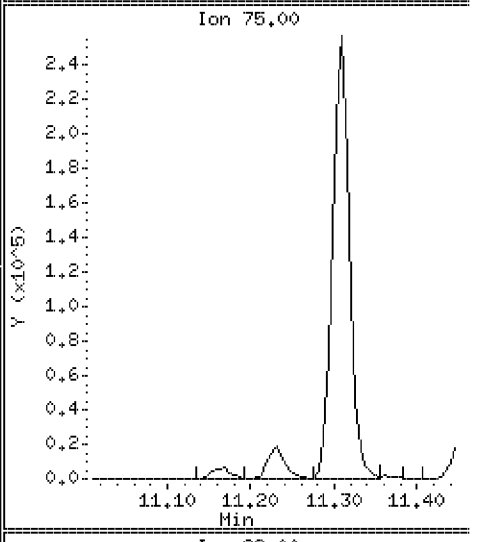


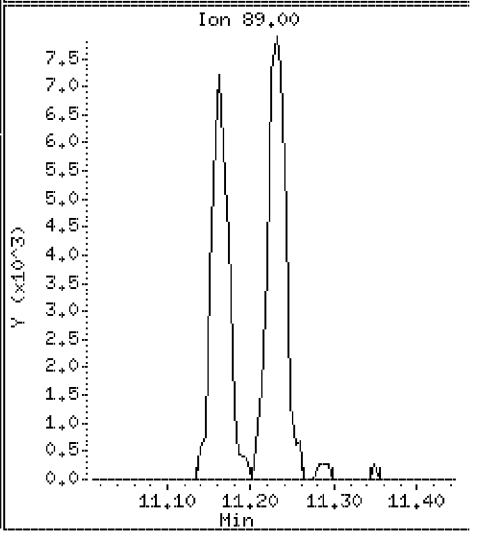












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

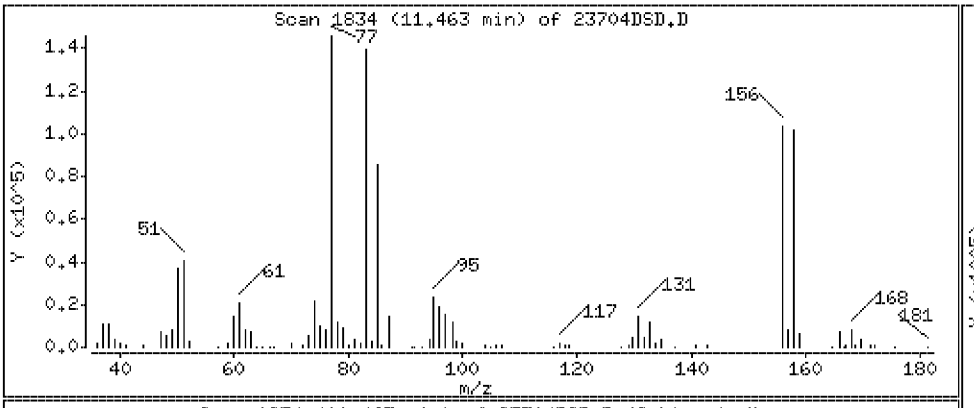
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

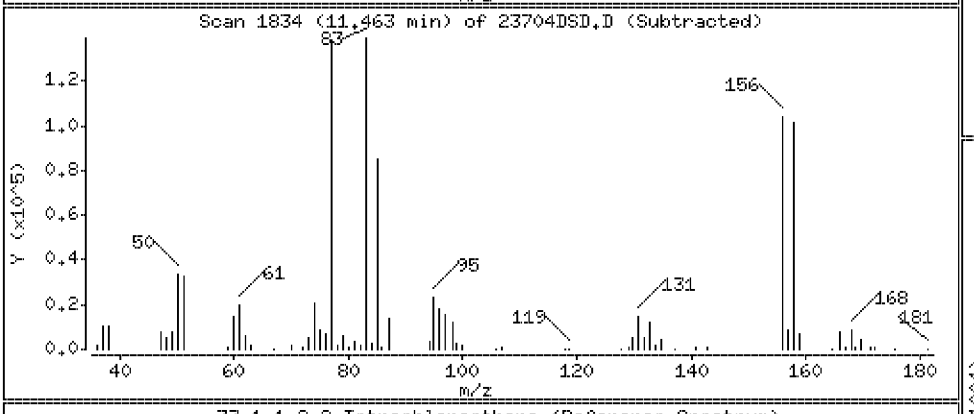
Sample Info: 350023704;3500237;5;

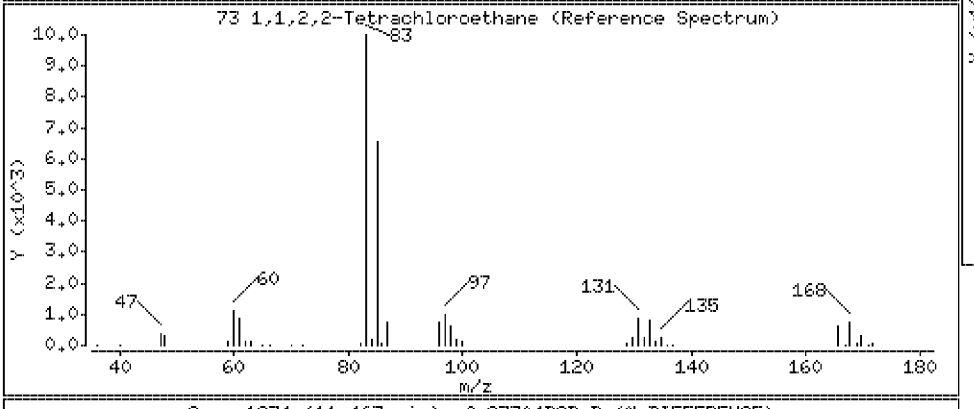
Purge Volume: 5.0 Operator:

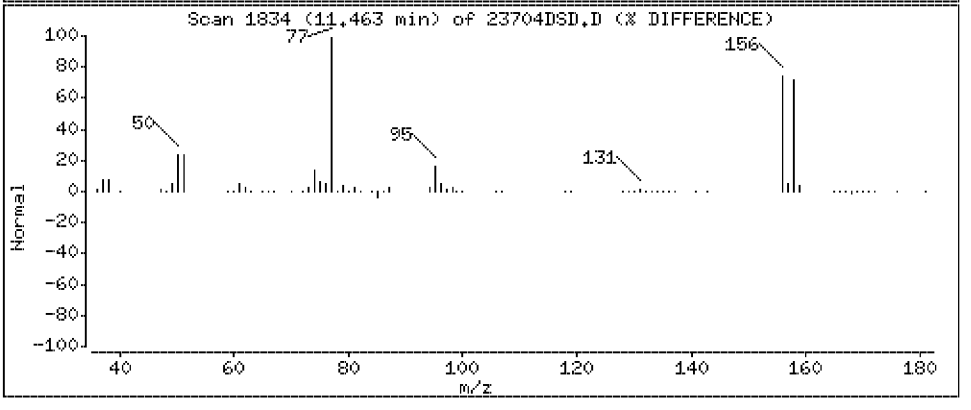
Column phase: RTX-502.2 Column diameter: 0.18

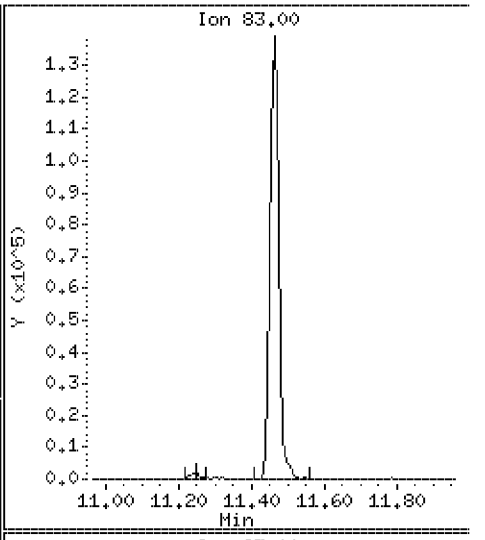
73 1,1,2,2-Tetrachloroethane Concentration: 94.5 ug/l

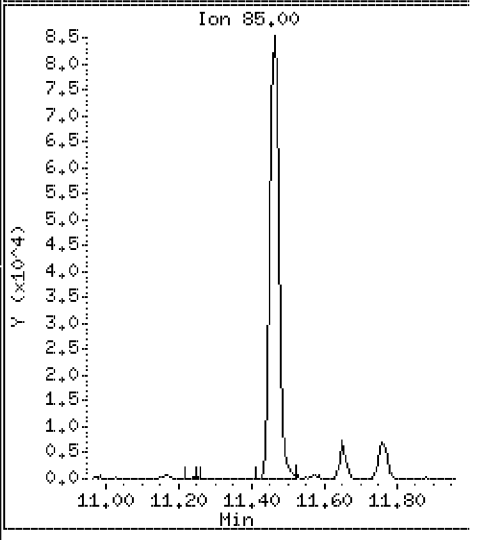












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

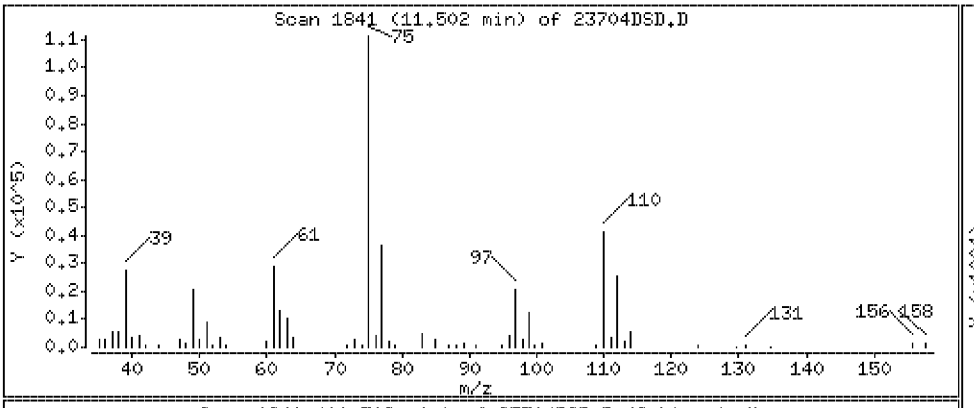
Operator:

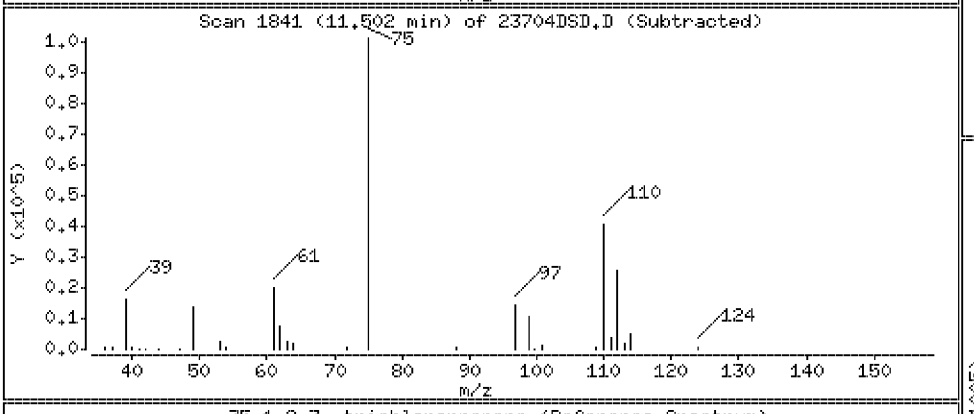
Column phase: RTX-502.2

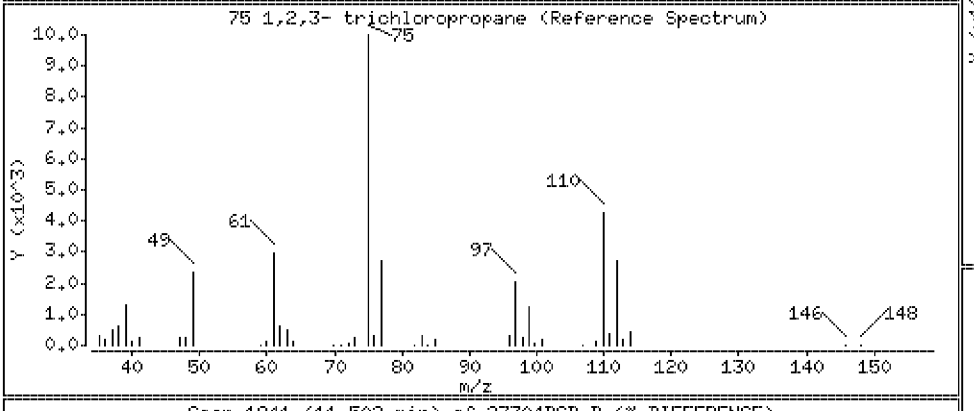
Column diameter: 0.18

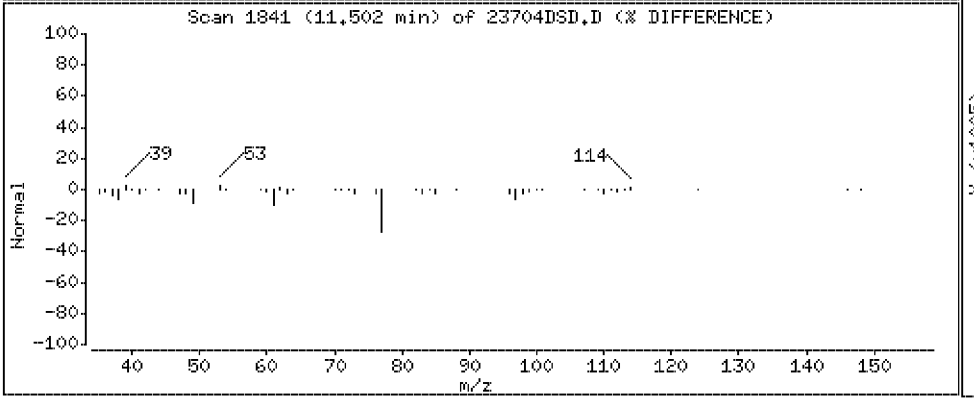
75 1,2,3- trichloropropane

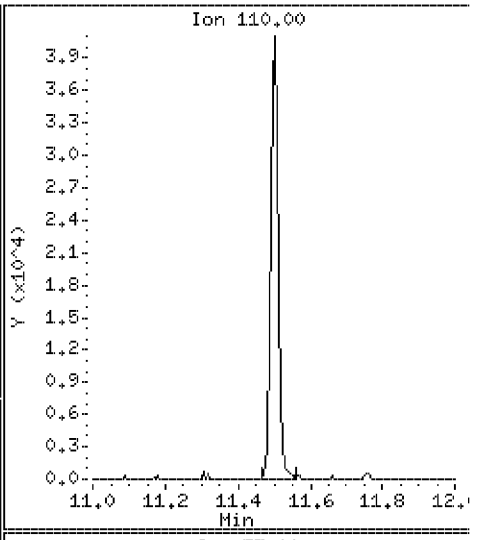
Concentration: 95.6 ug/l

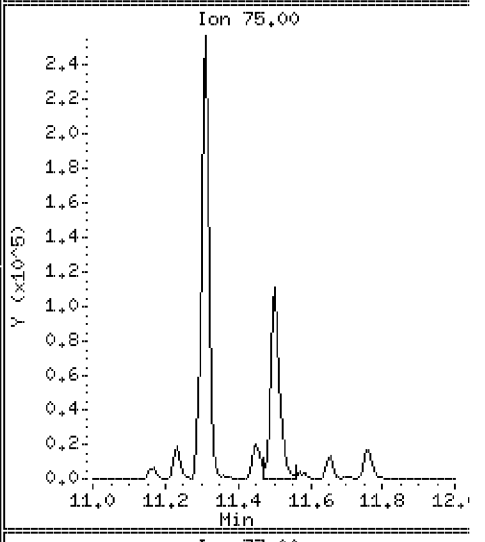


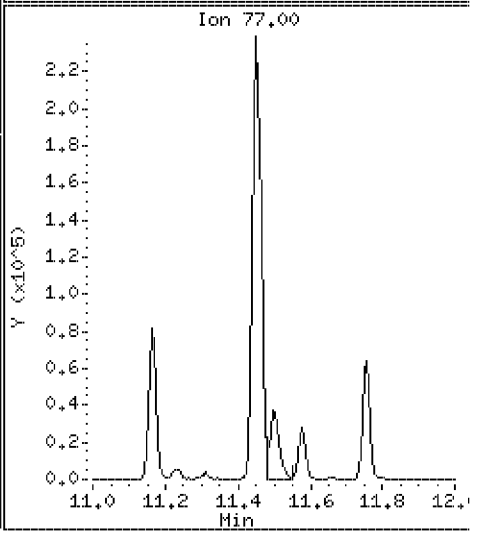












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

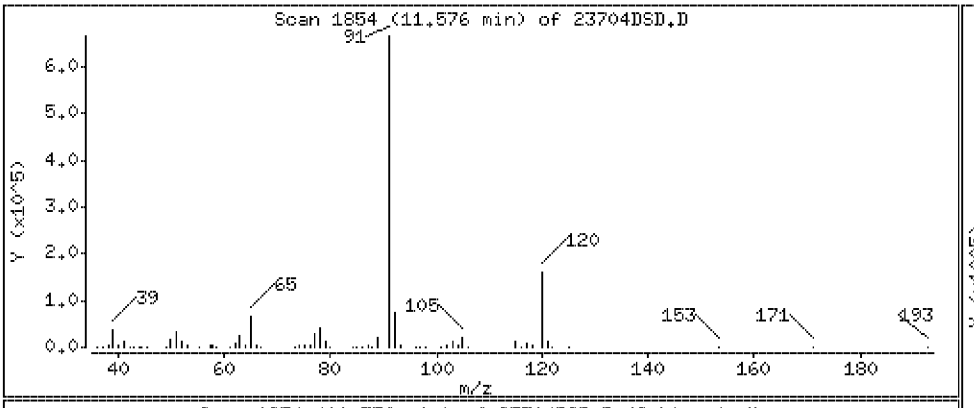
Operator:

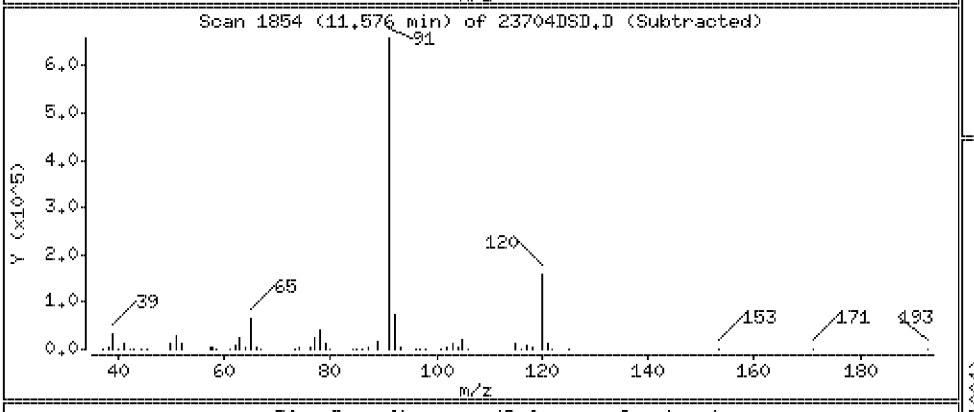
Column phase: RTX-502.2

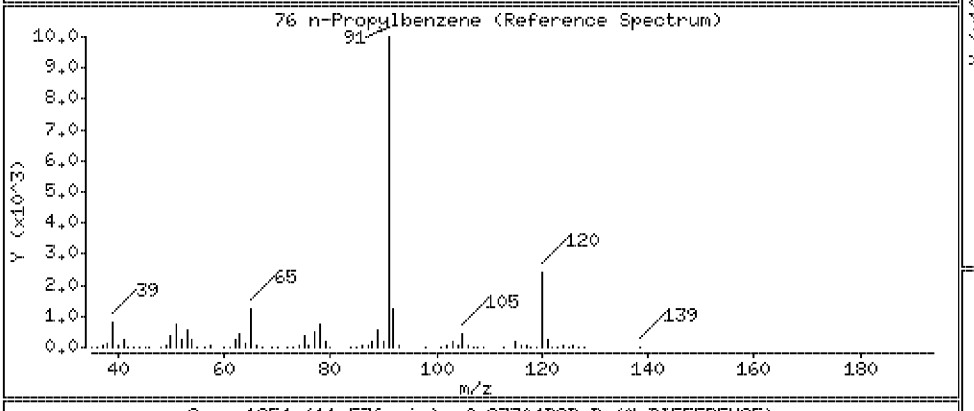
Column diameter: 0.18

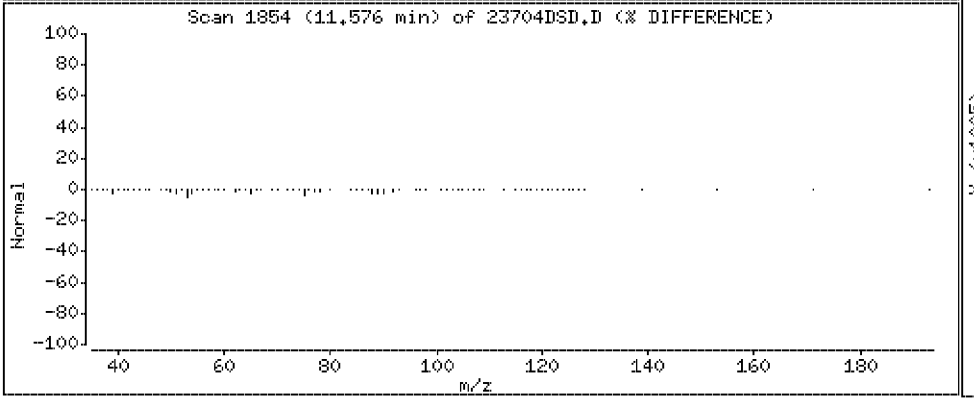
76 n-Propylbenzene

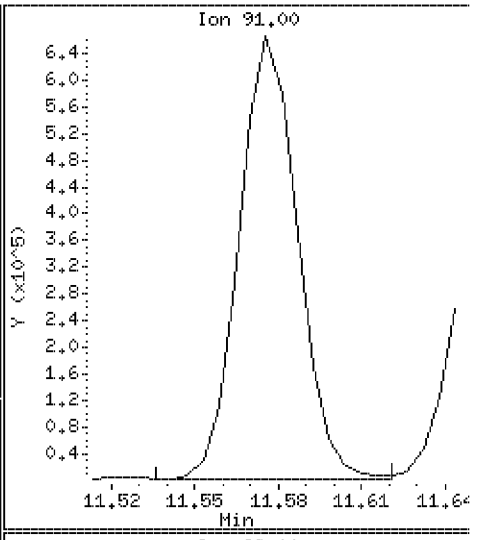
Concentration: 104 ug/l

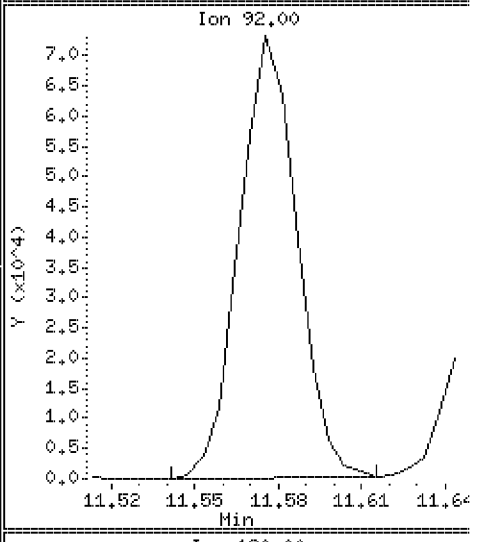


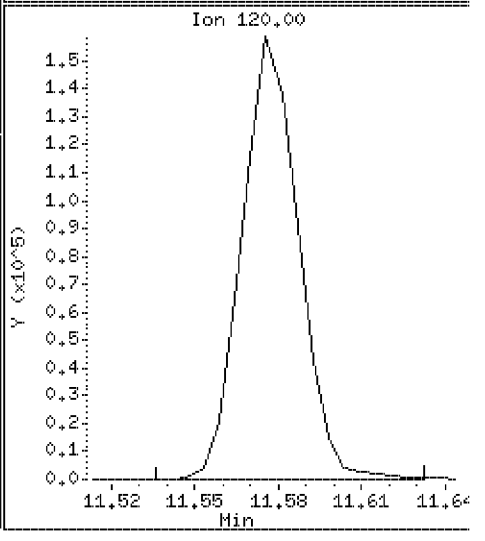












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

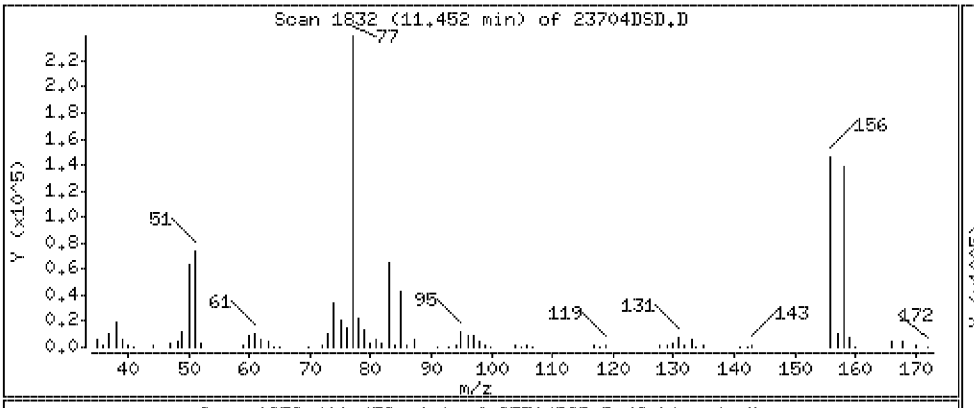
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

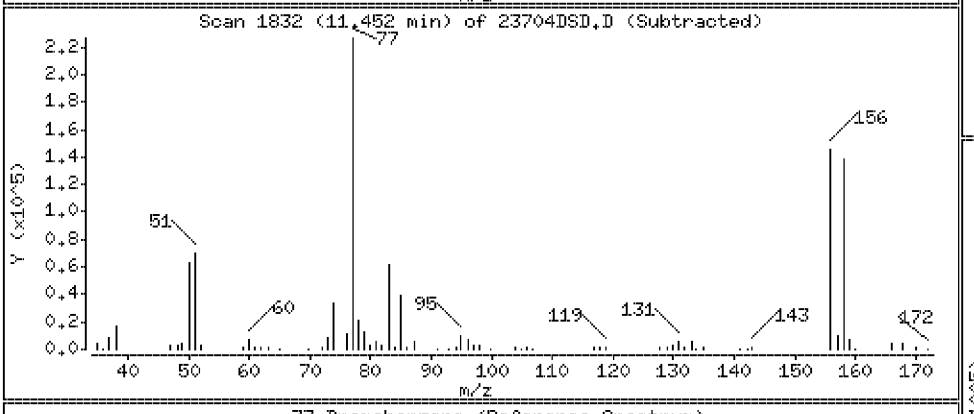
Sample Info: 350023704;3500237;5;

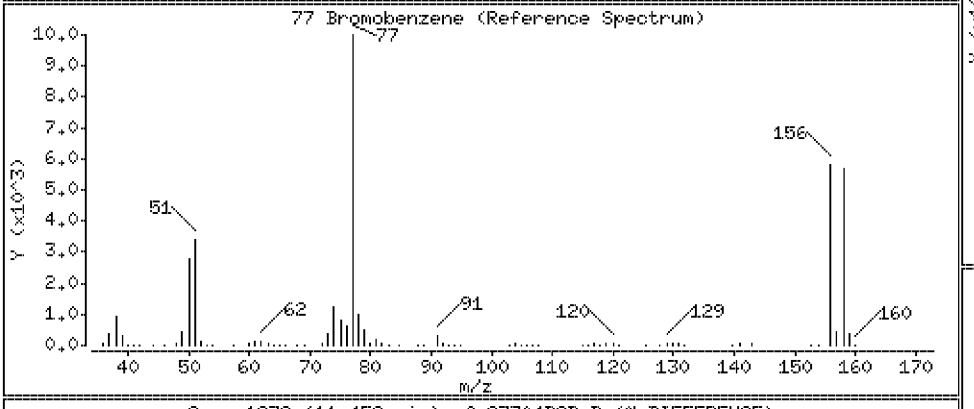
Purge Volume: 5.0 Operator:

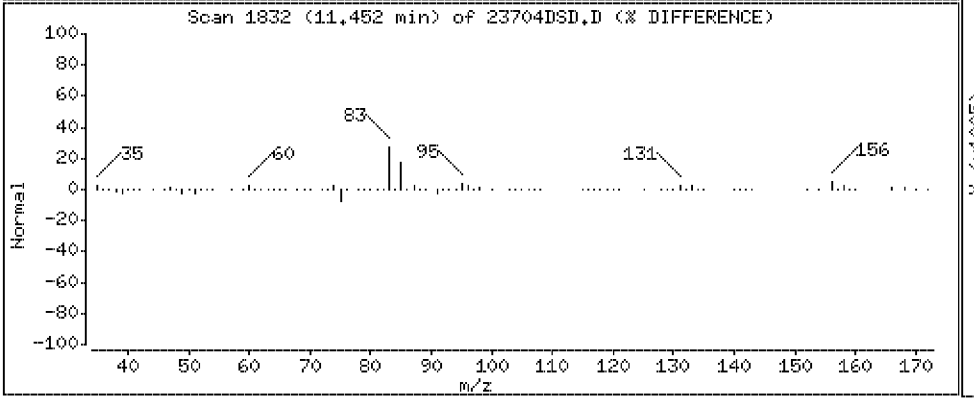
Column phase: RTX-502.2 Column diameter: 0.18

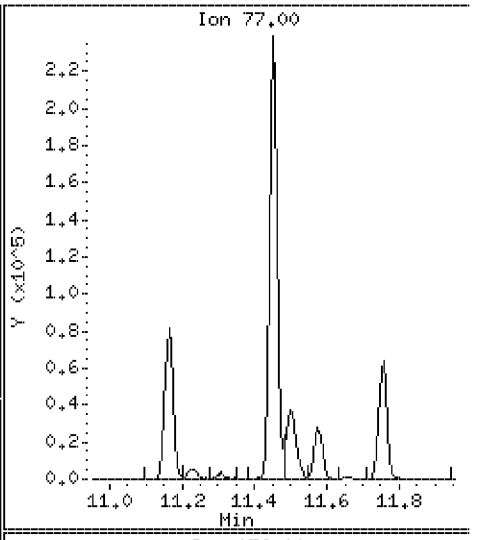
77 Bromobenzene Concentration: 98.4 ug/l

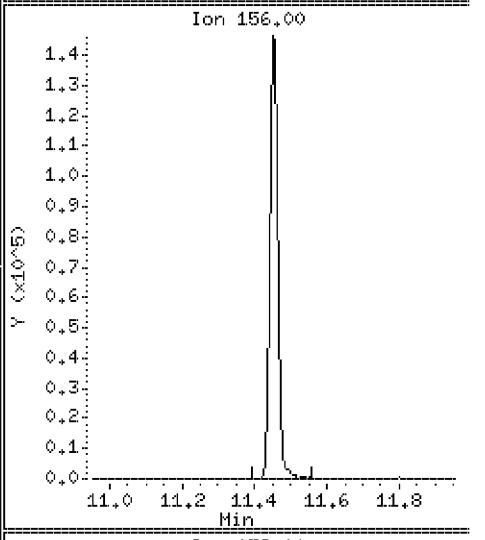


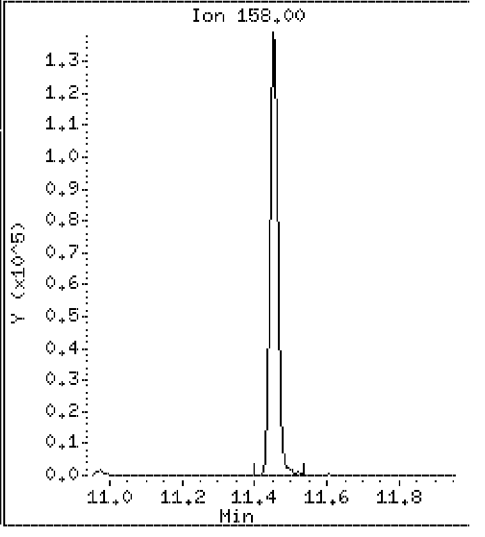












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

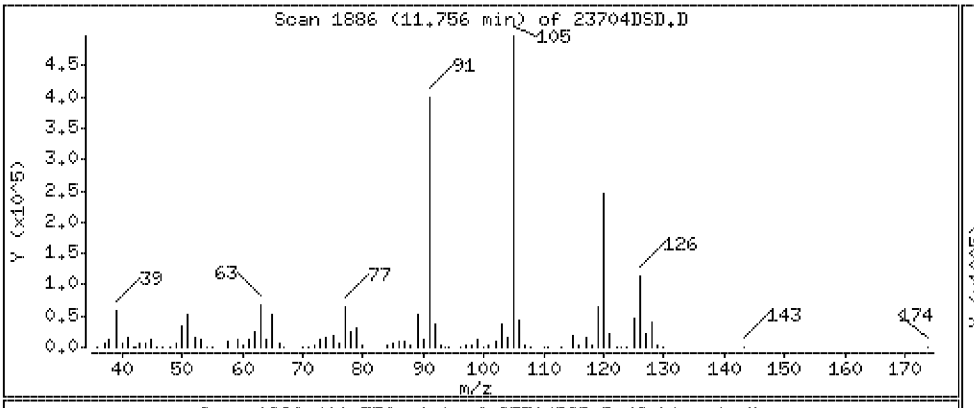
Operator:

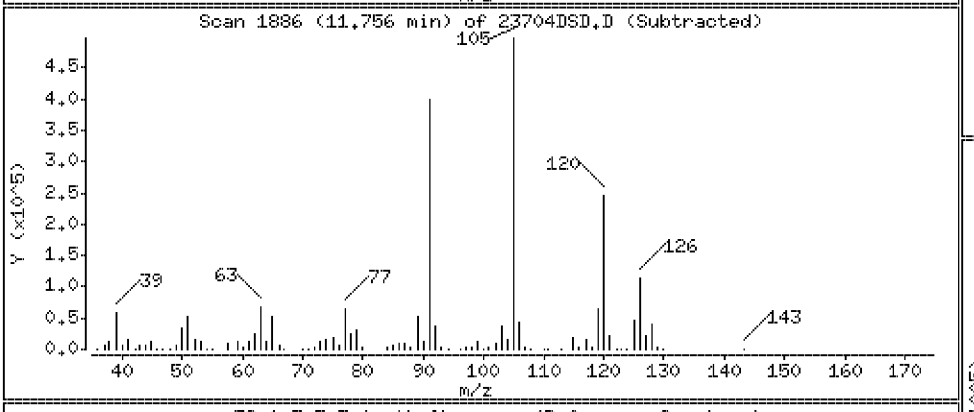
Column phase: RTX-502.2

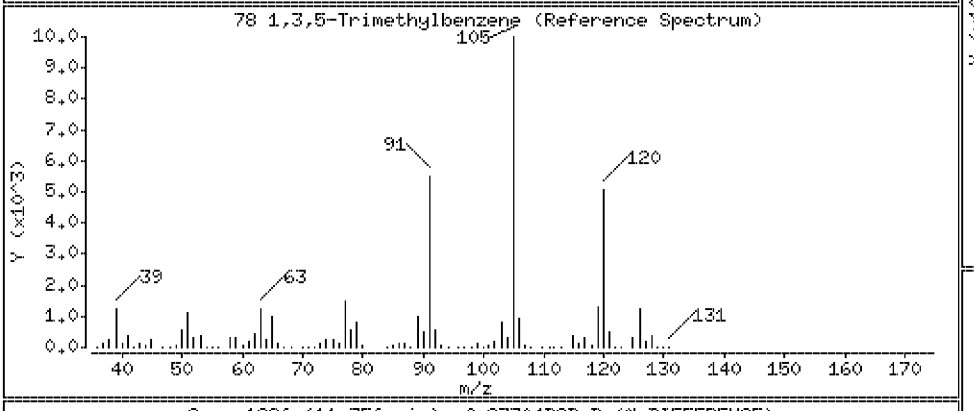
Column diameter: 0.18

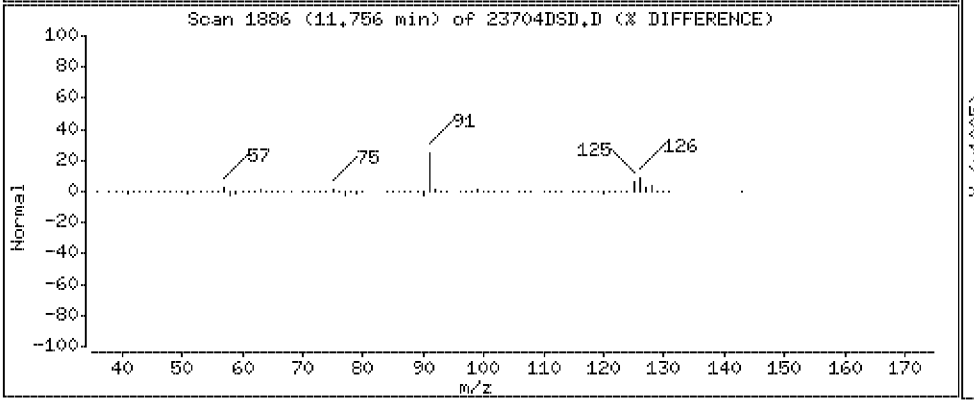
78 1,3,5-Trimethylbenzene

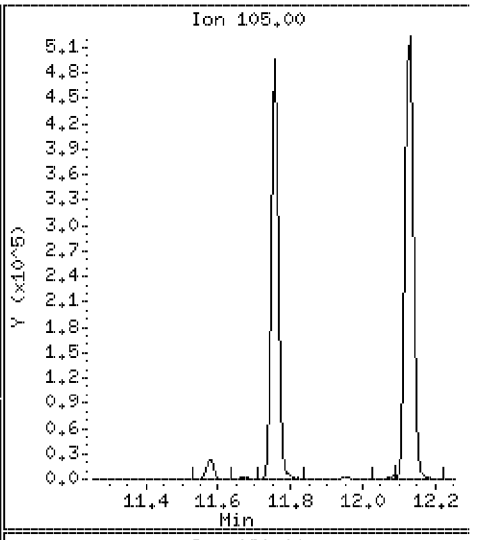
Concentration: 104 ug/l

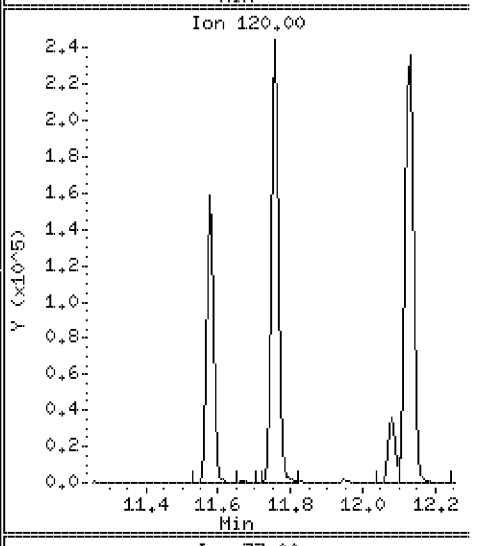


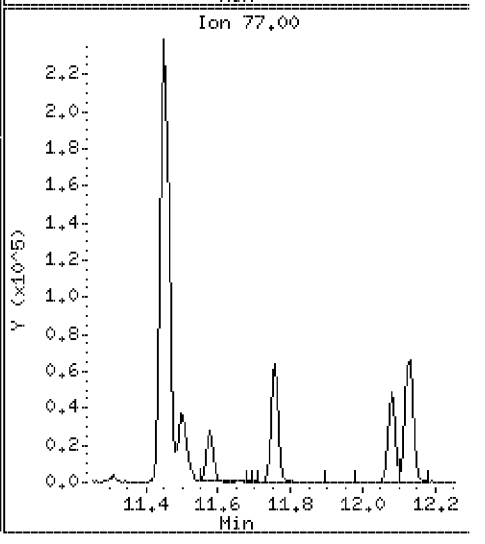












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

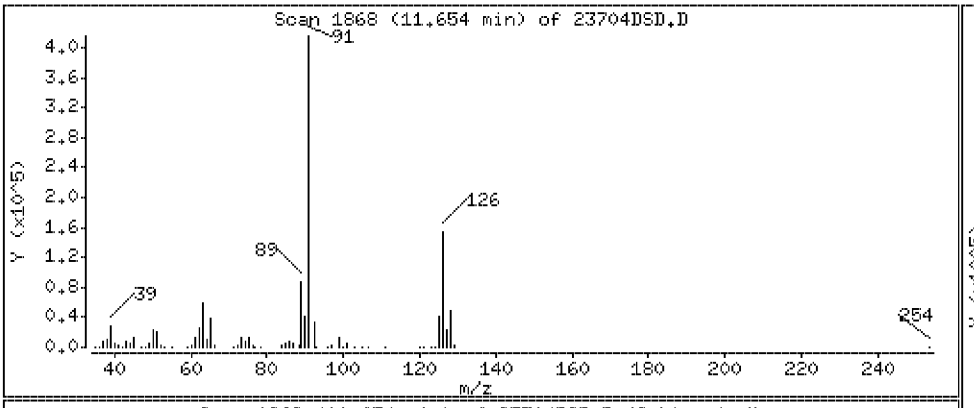
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

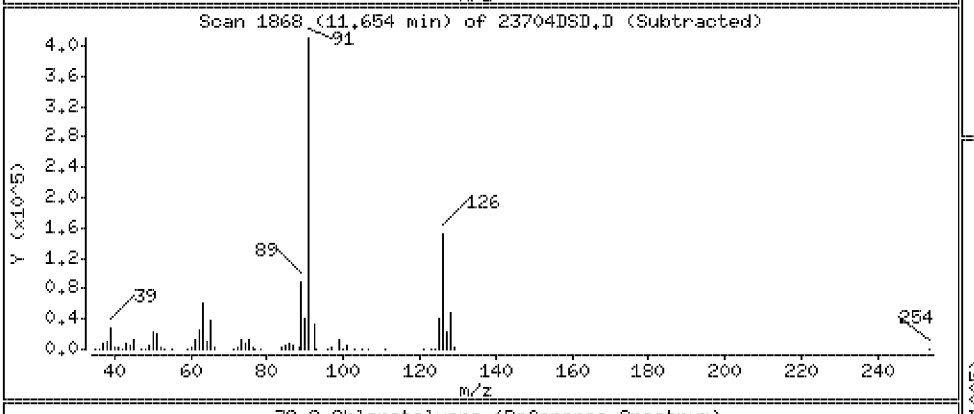
Sample Info: 350023704;3500237;5;

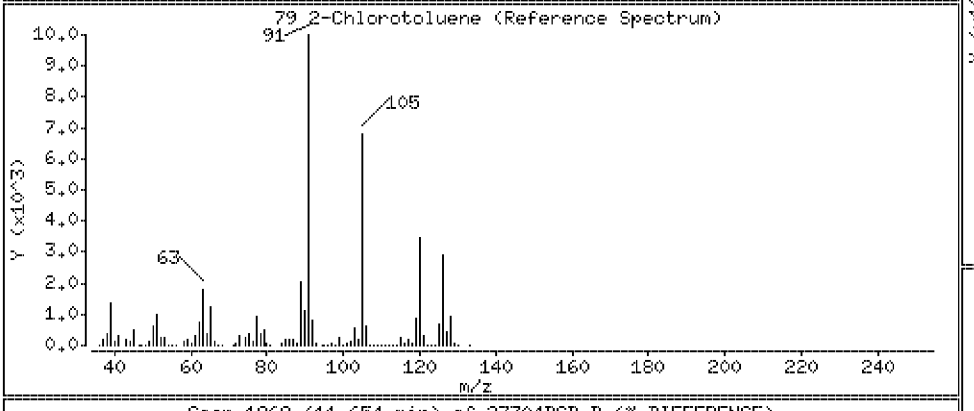
Purge Volume: 5.0 Operator:

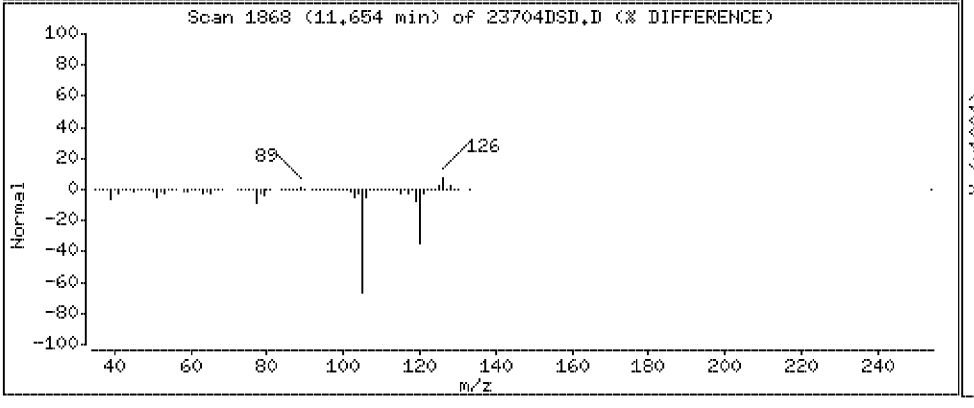
Column phase: RTX-502.2 Column diameter: 0.18

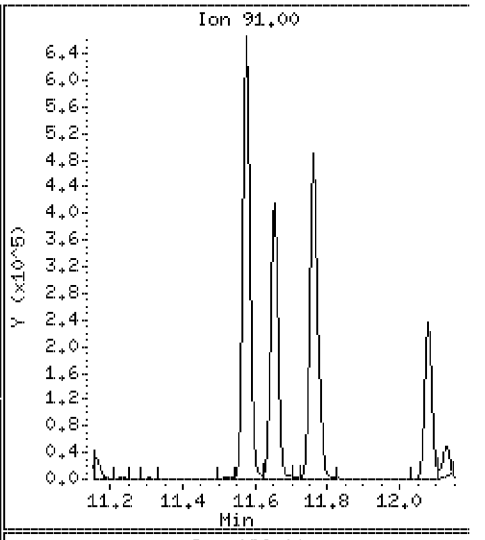
79 2-Chlorotoluene Concentration: 102 ug/l

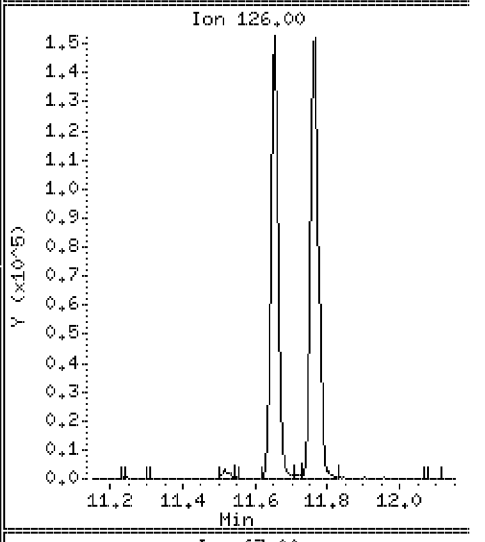


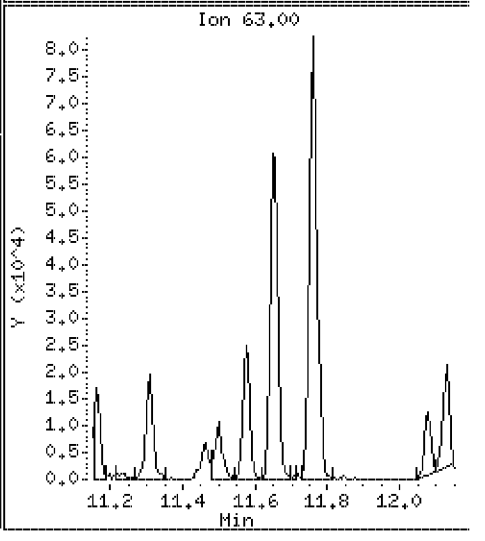












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

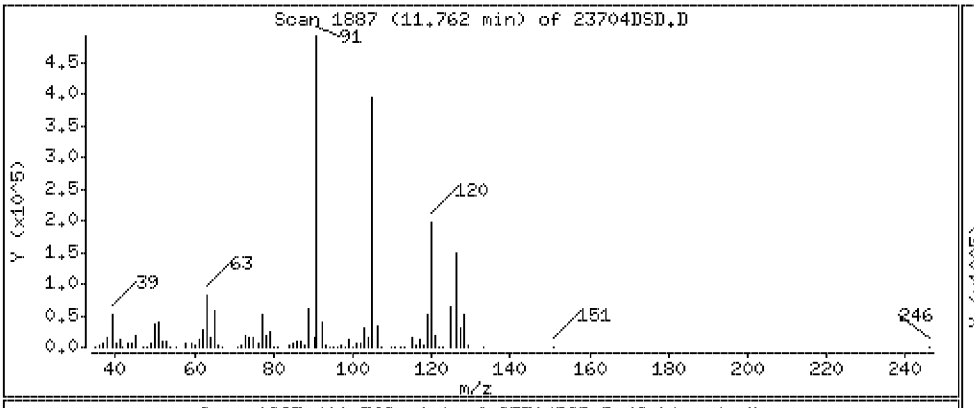
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

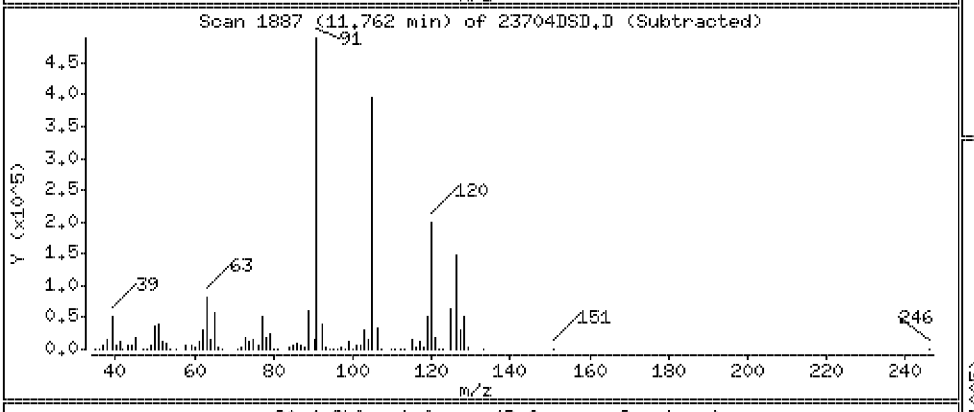
Sample Info: 350023704;3500237;5;

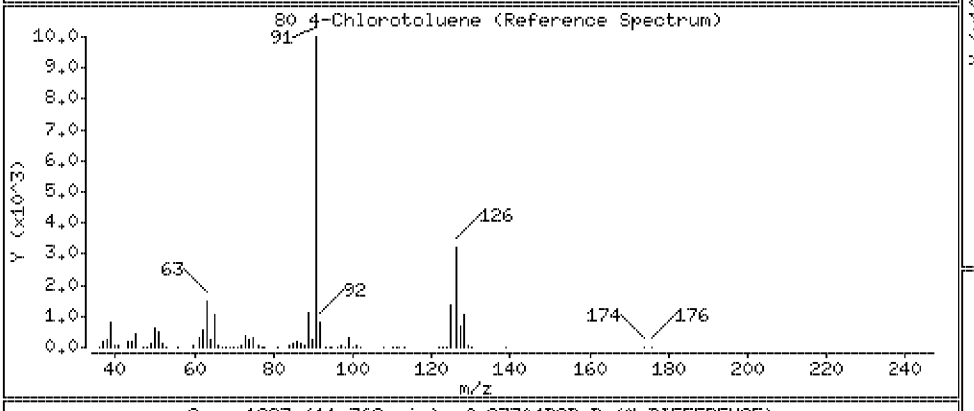
Purge Volume: 5.0 Operator:

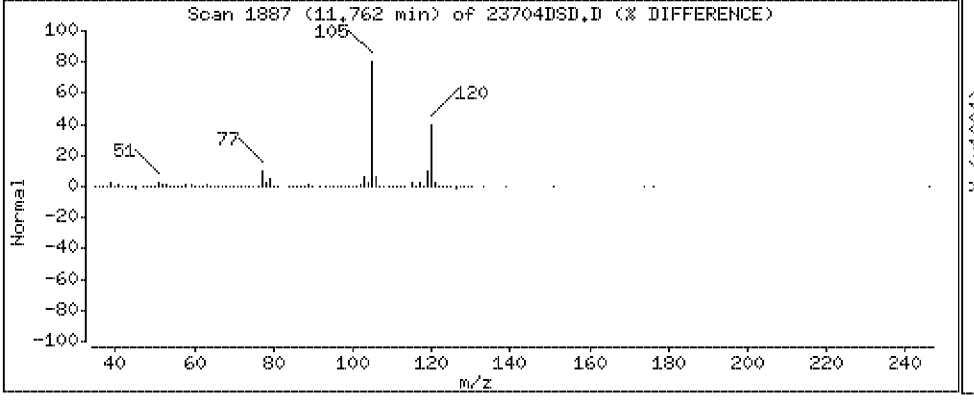
Column phase: RTX-502.2 Column diameter: 0.18

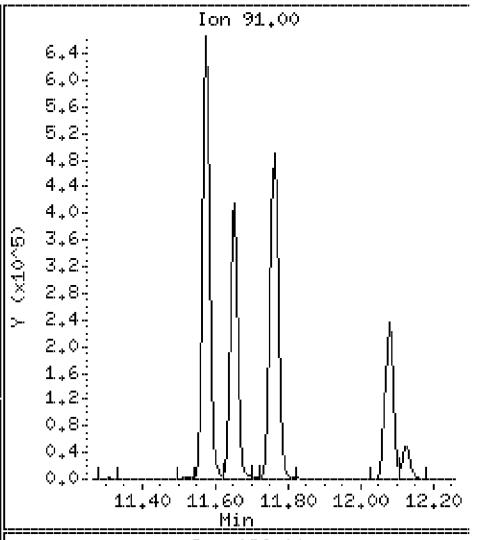
80 4-Chlorotoluene Concentration: 102 ug/l

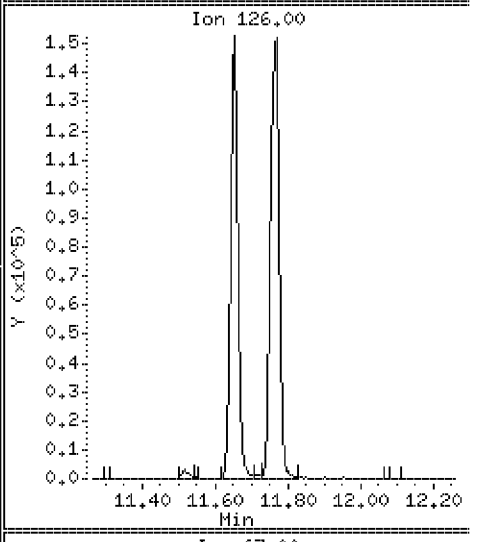


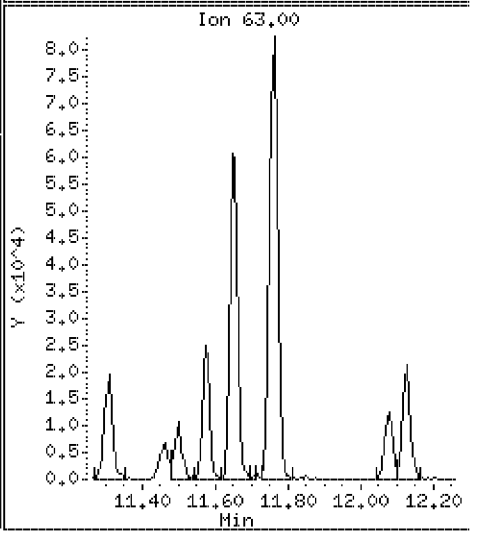












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

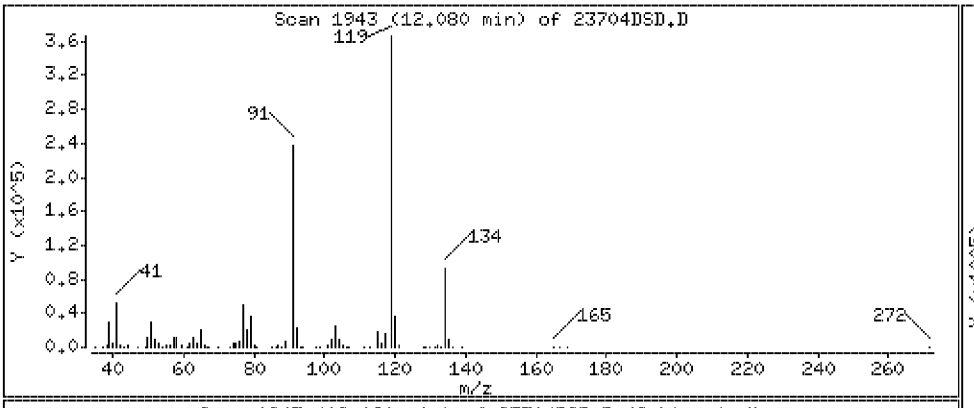
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

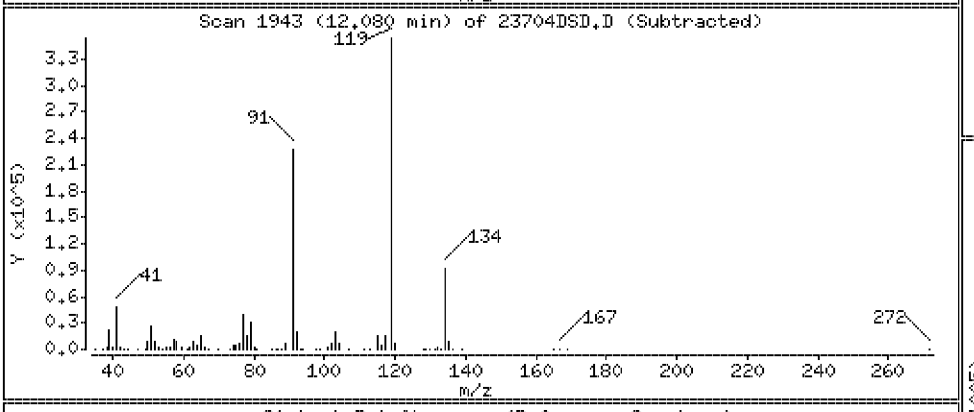
Sample Info: 350023704;3500237;5;

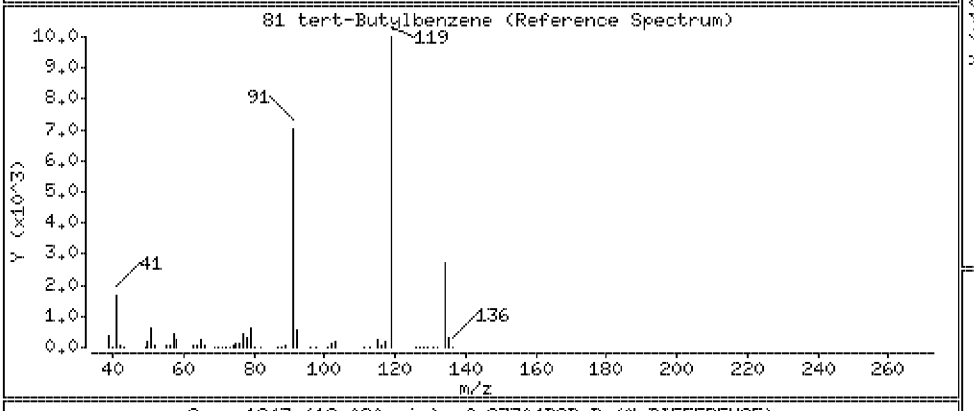
Purge Volume: 5.0 Operator:

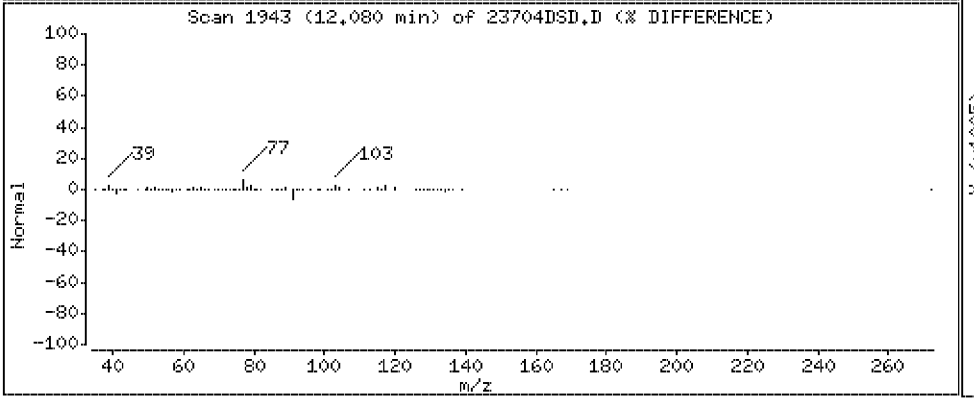
Column phase: RTX-502.2 Column diameter: 0.18

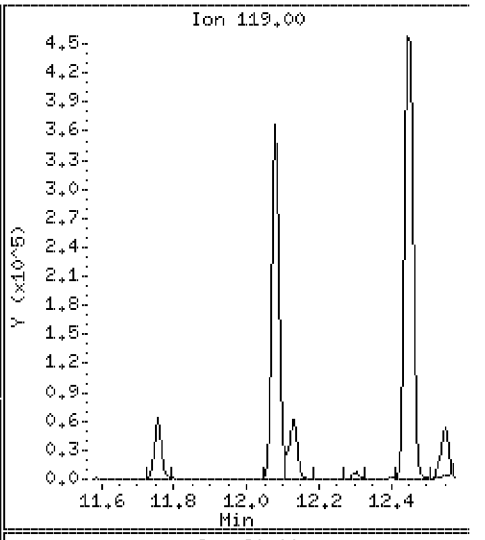
81 tert-Butylbenzene Concentration: 101 ug/l

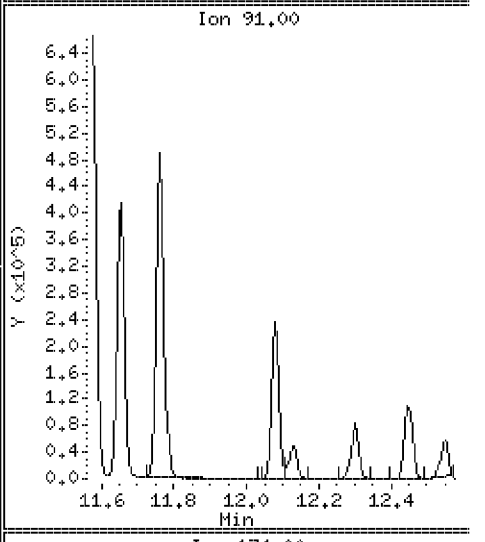


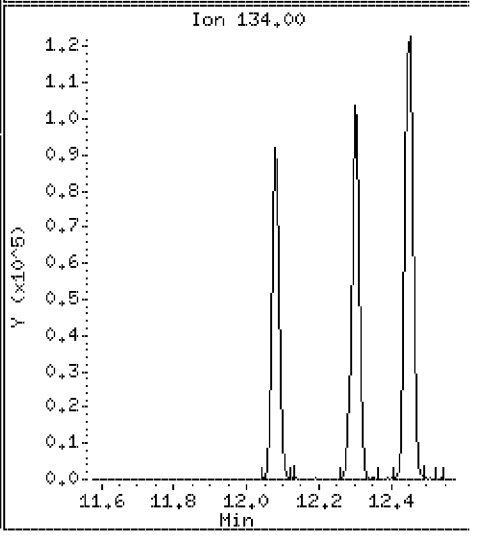












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

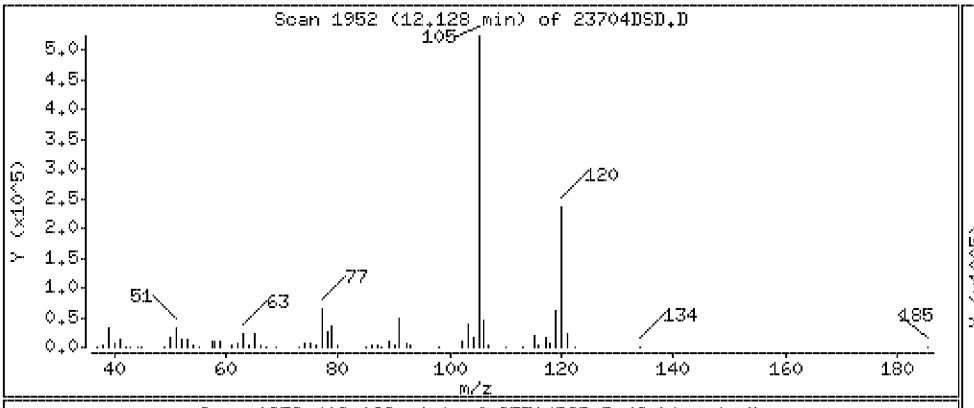
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

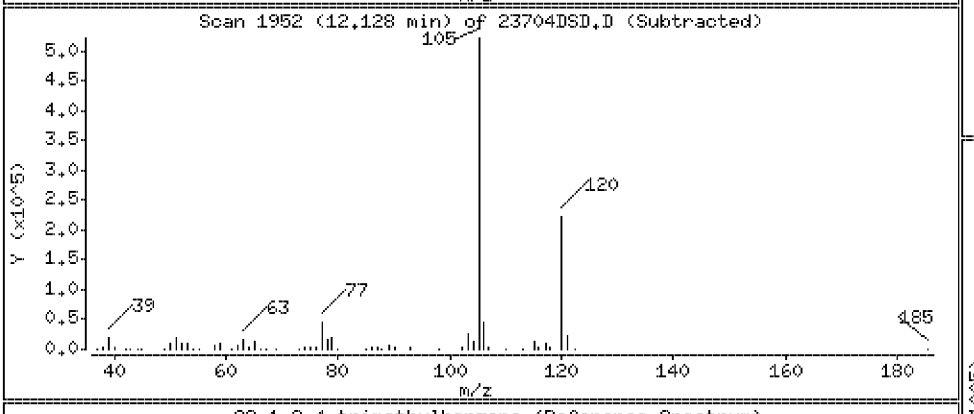
Sample Info: 350023704;3500237;5;

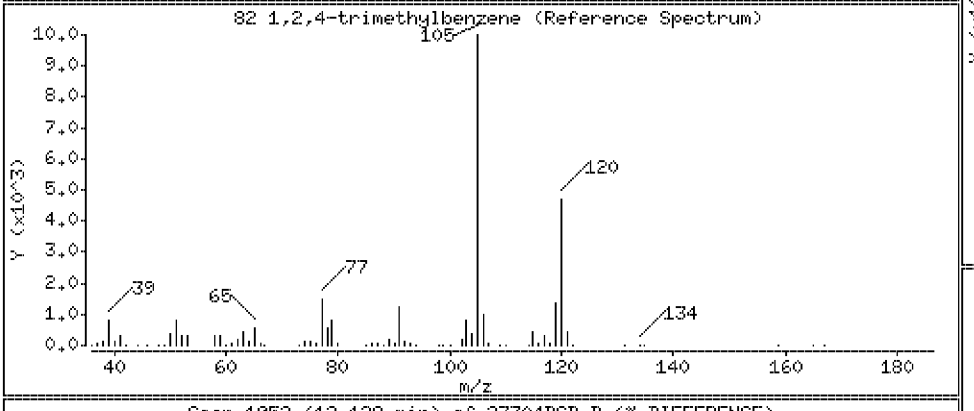
Purge Volume: 5.0 Operator:

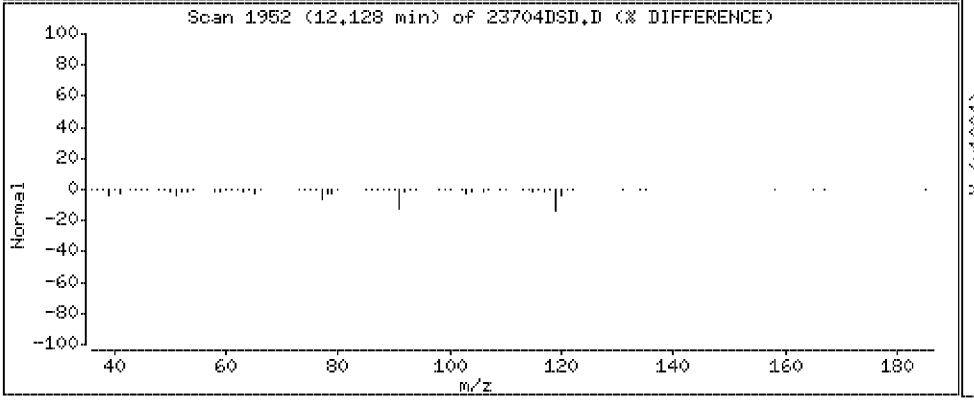
Column phase: RTX-502.2 Column diameter: 0.18

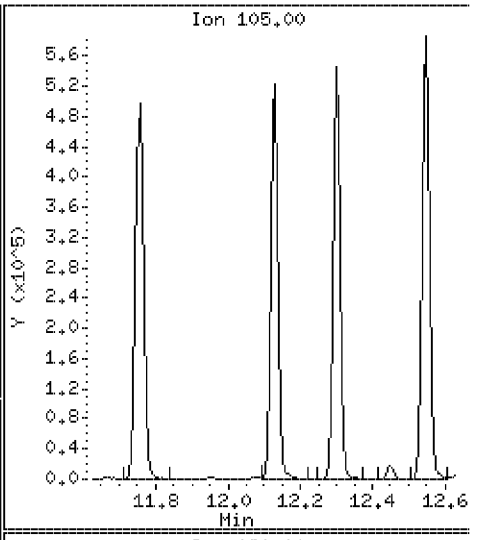
82 1,2,4-trimethylbenzene Concentration: 103 ug/l

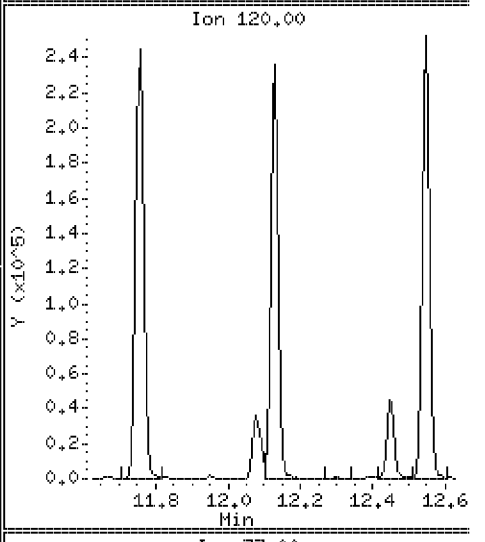


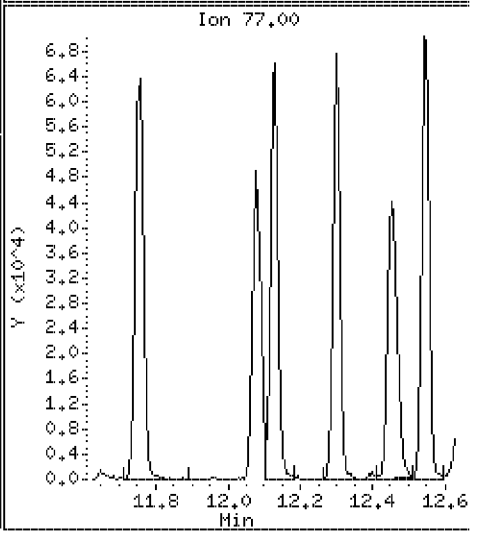












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

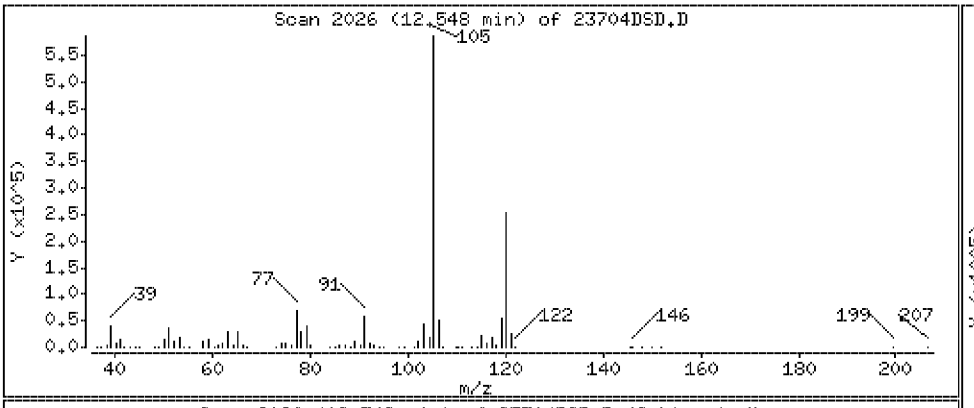
Operator:

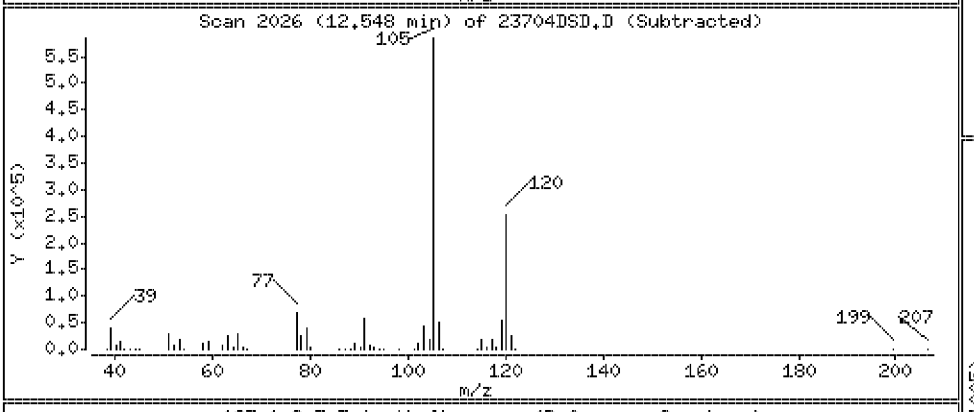
Column phase: RTX-502.2

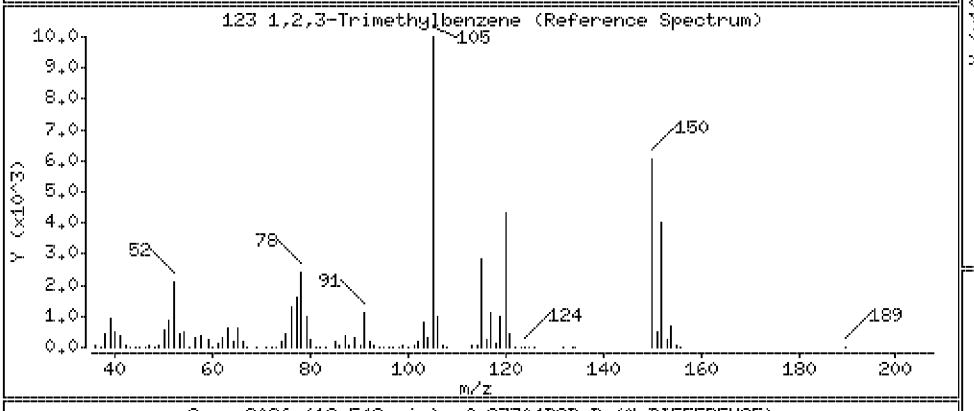
Column diameter: 0.18

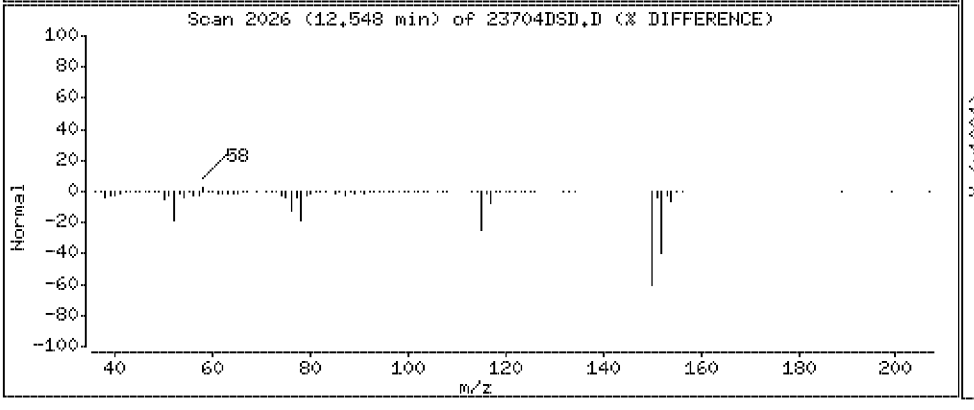
123 1,2,3-Trimethylbenzene

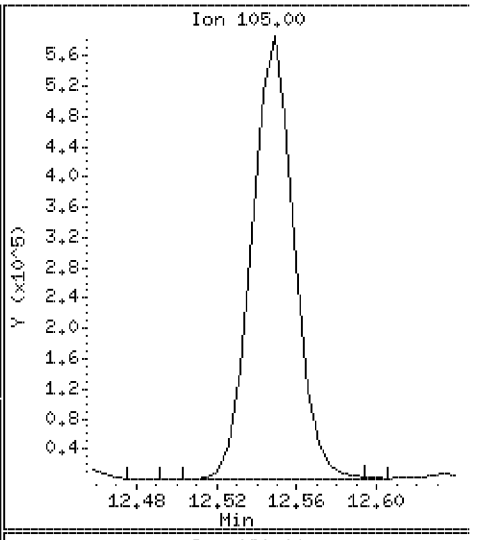
Concentration: 111 ug/l

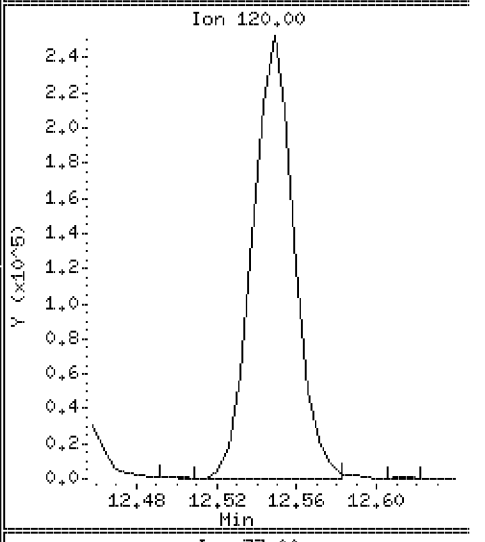


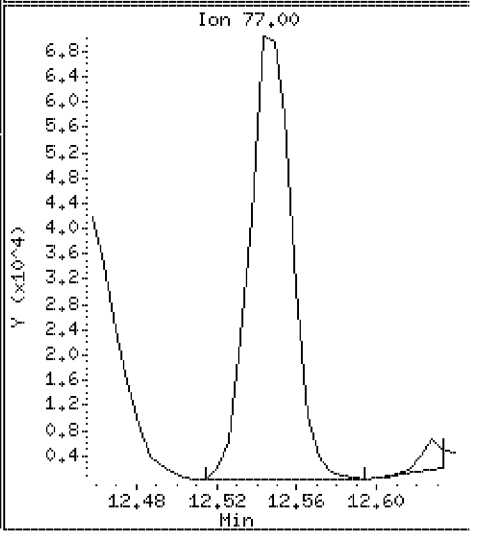












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

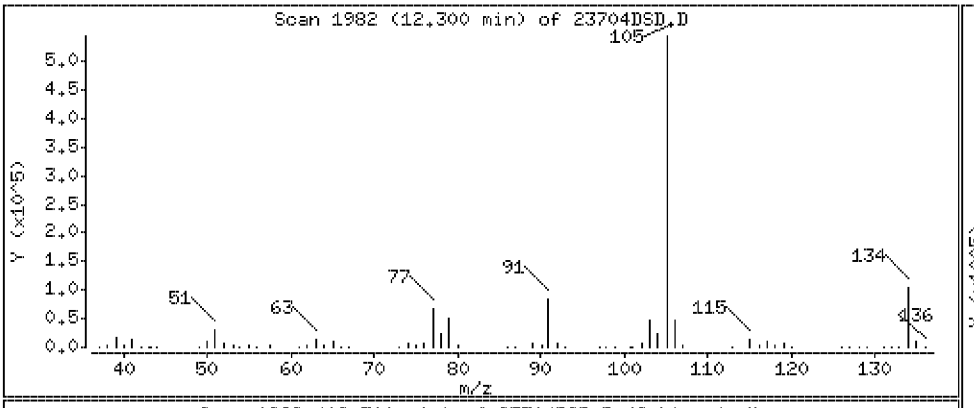
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

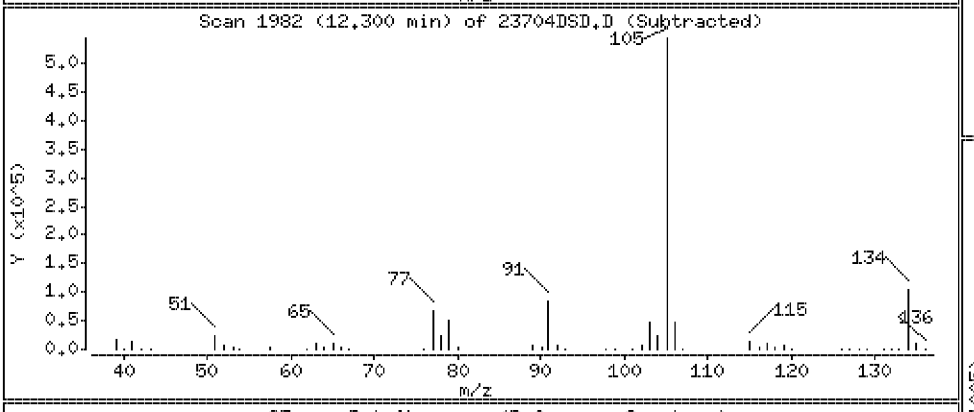
Sample Info: 350023704;3500237;5;

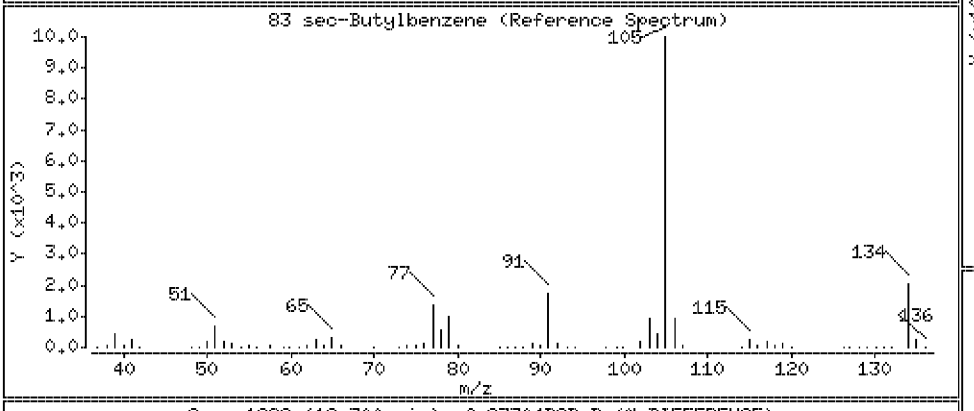
Purge Volume: 5.0 Operator:

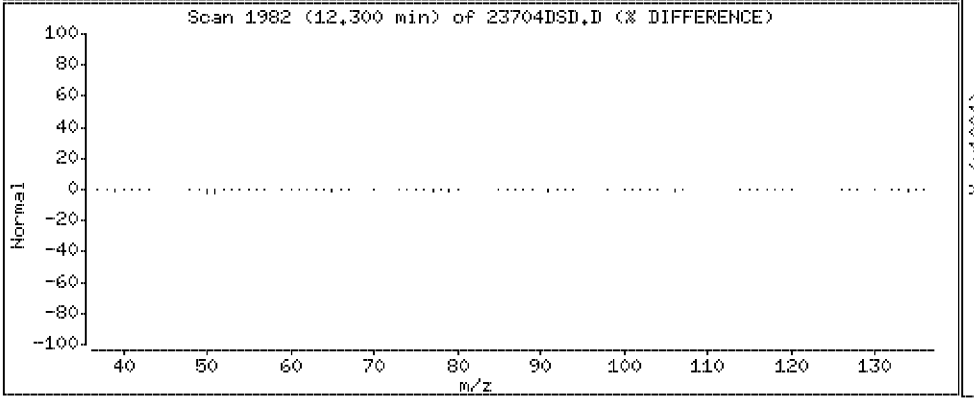
Column phase: RTX-502.2 Column diameter: 0.18

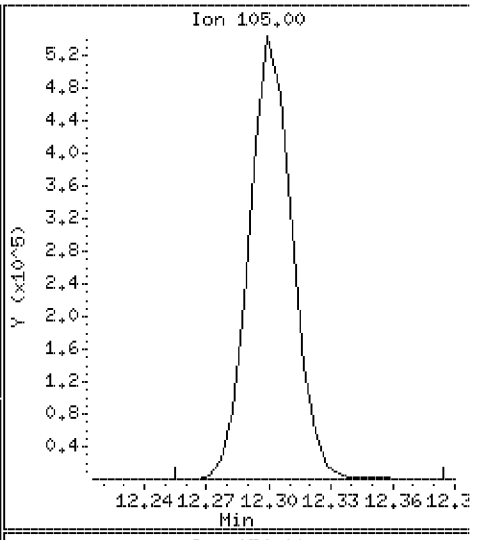
83 sec-Butylbenzene Concentration: 104 ug/l

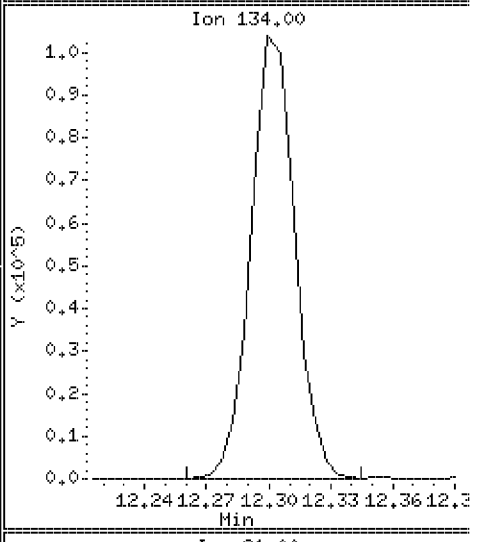


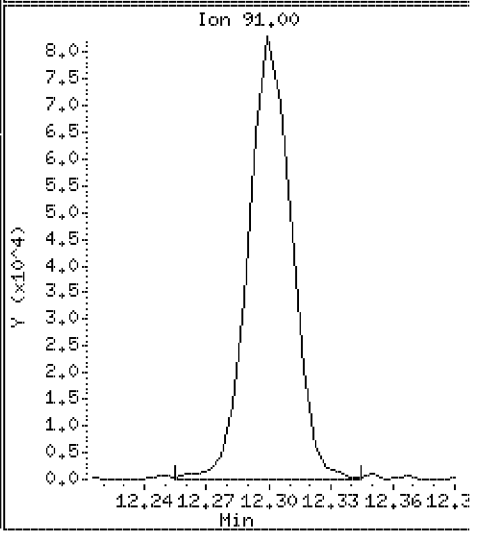












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

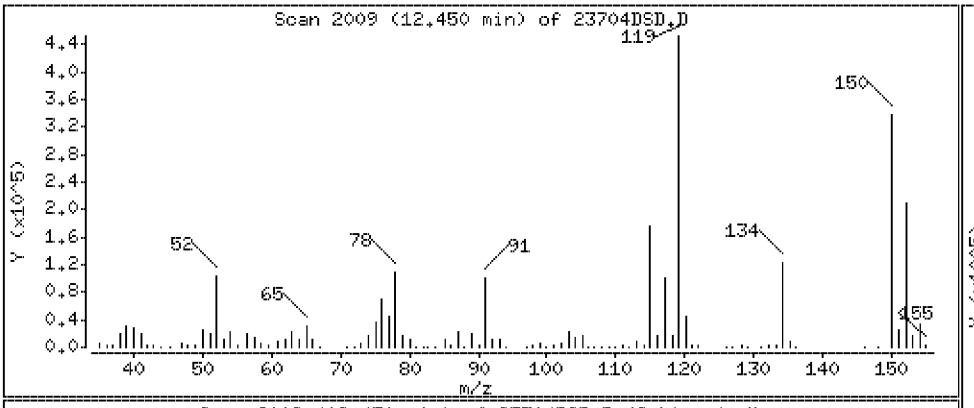
Operator:

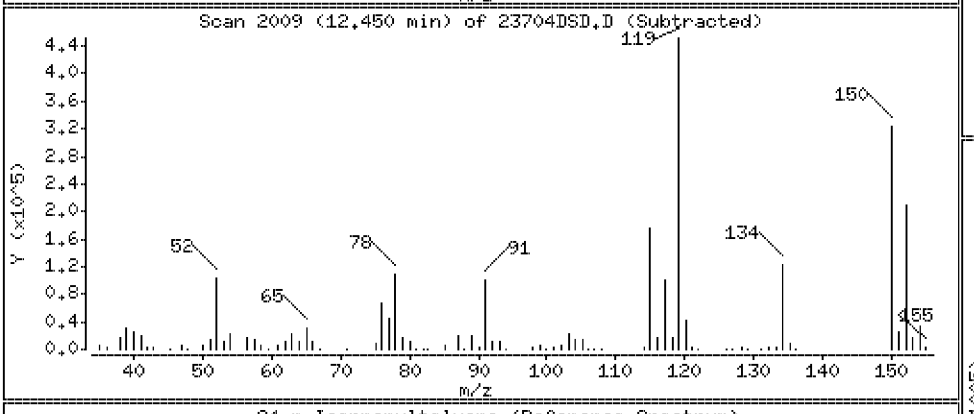
Column phase: RTX-502.2

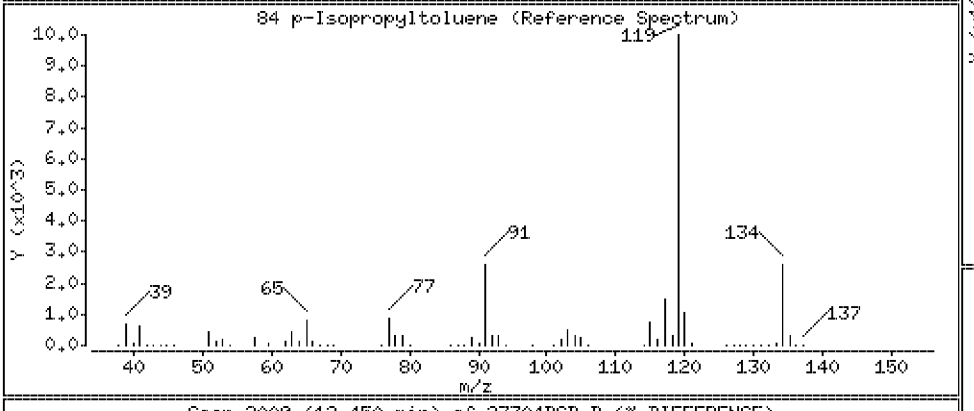
Column diameter: 0.18

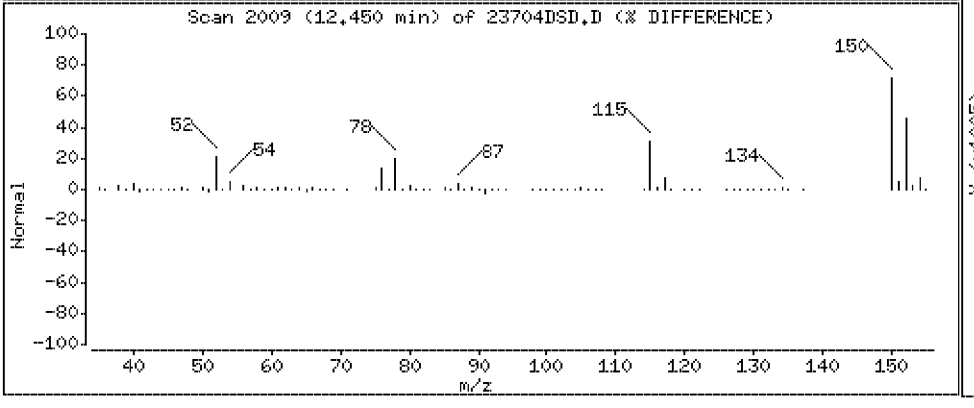
84 p-Isopropyltoluene

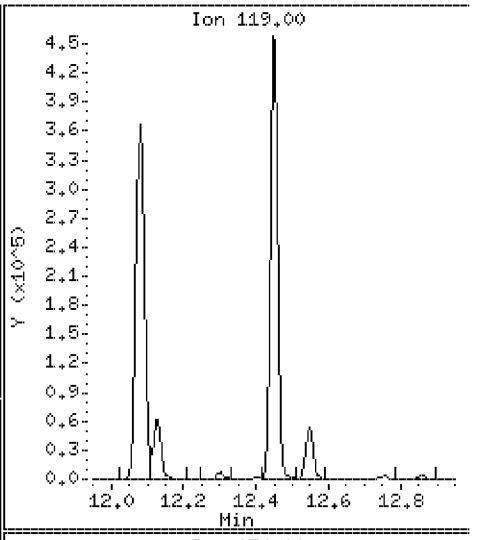
Concentration: 104 ug/l

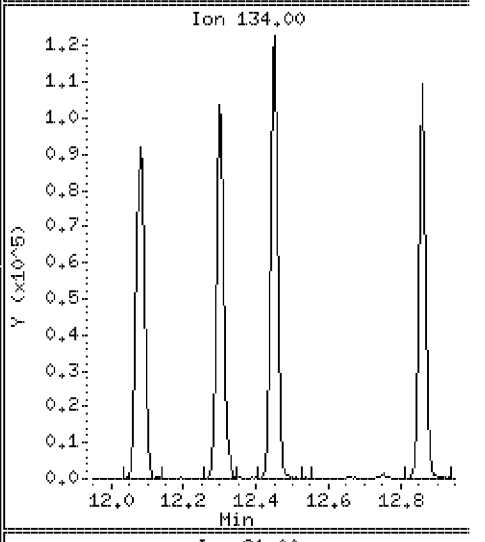


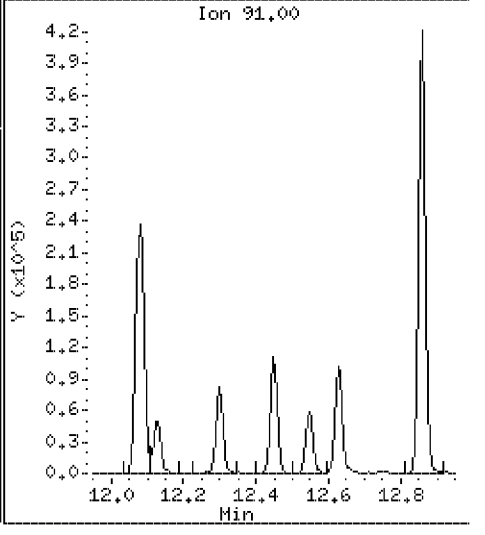












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

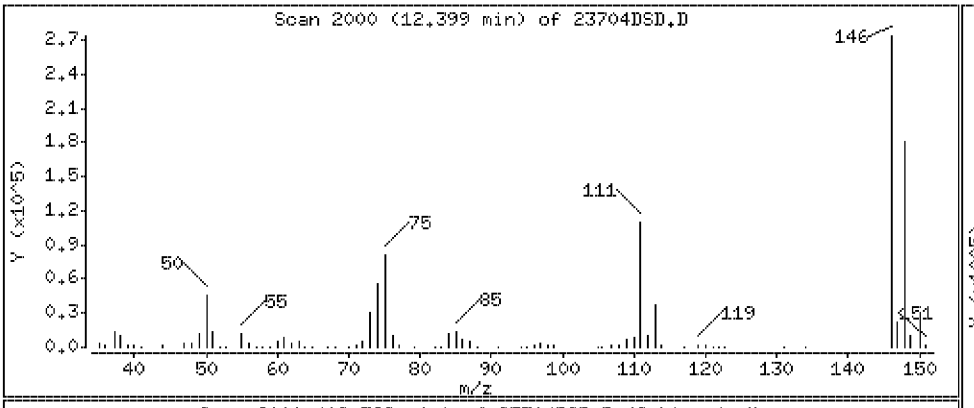
Operator:

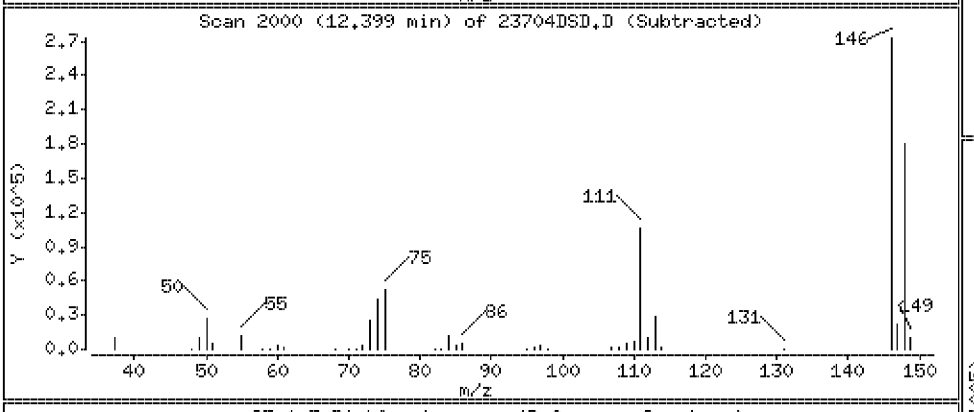
Column phase: RTX-502.2

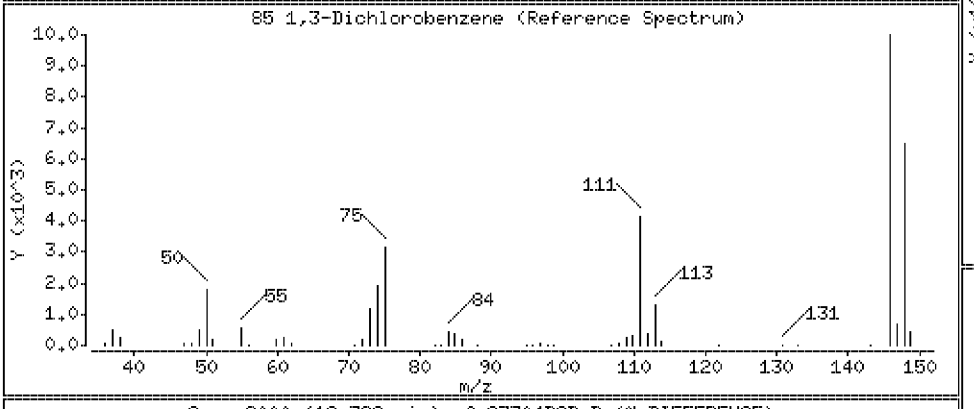
Column diameter: 0.18

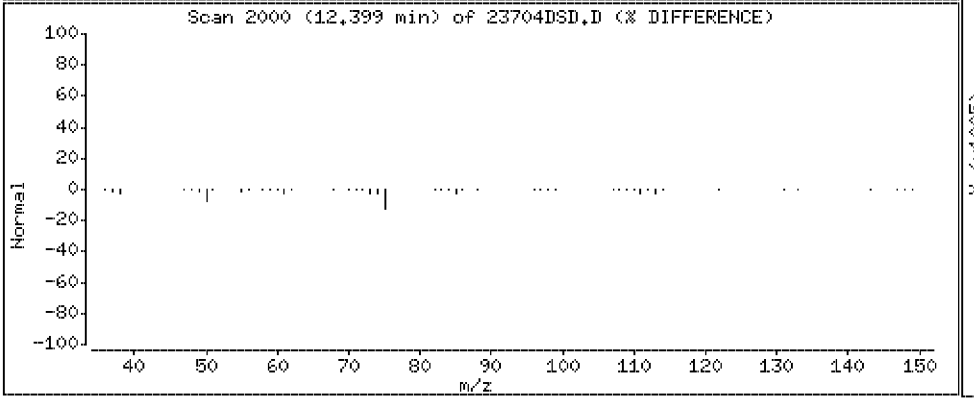
85 1,3-Dichlorobenzene

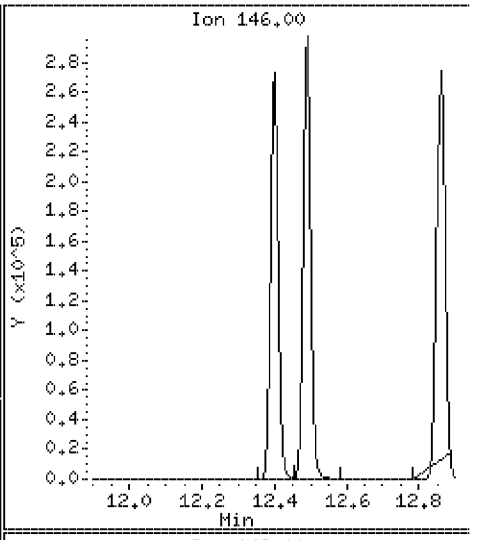
Concentration: 102 ug/l

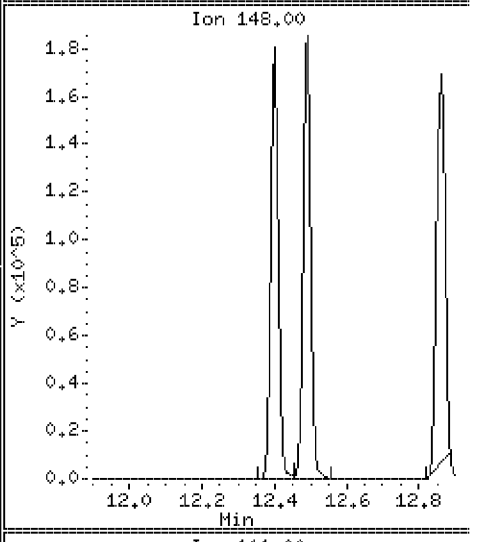


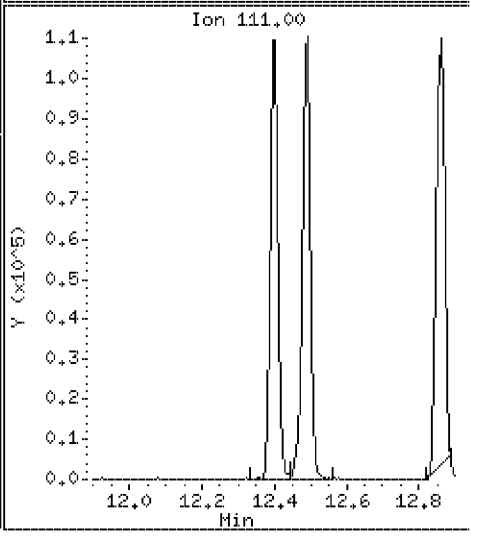












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

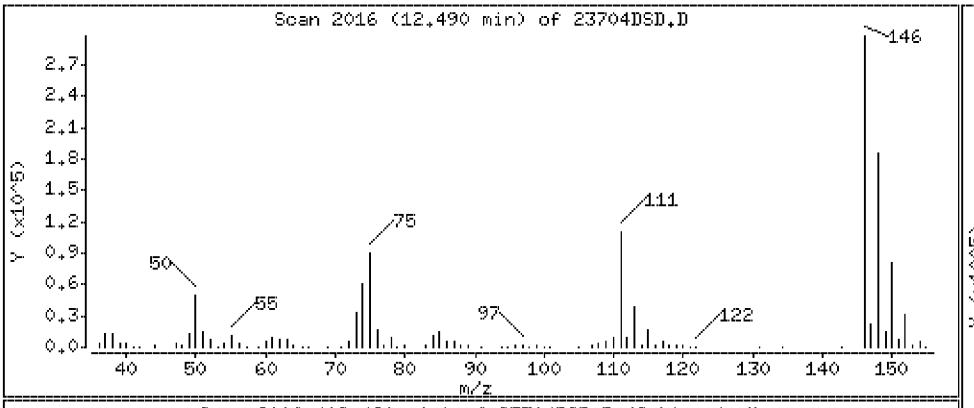
Operator:

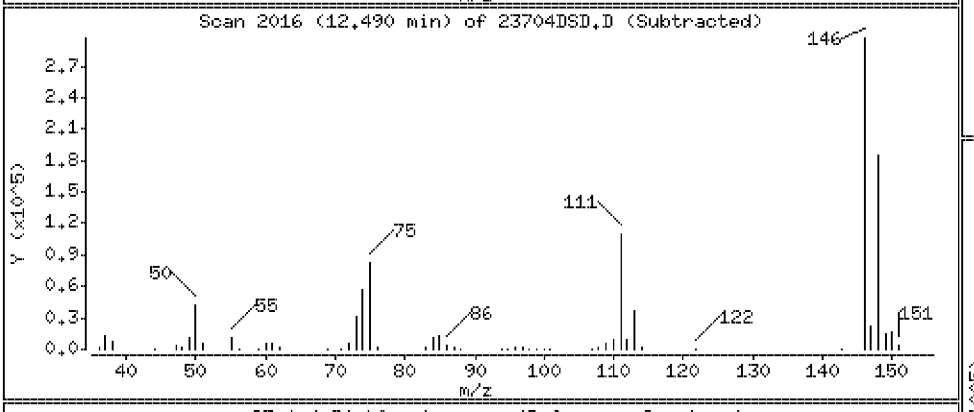
Column phase: RTX-502.2

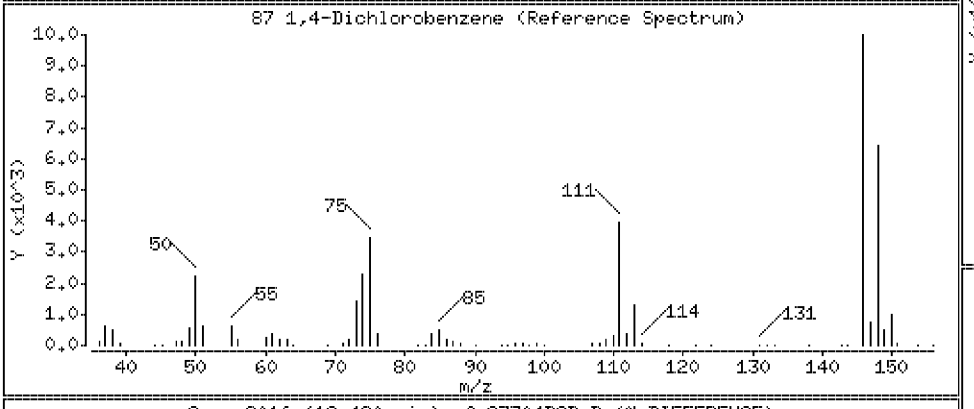
Column diameter: 0.18

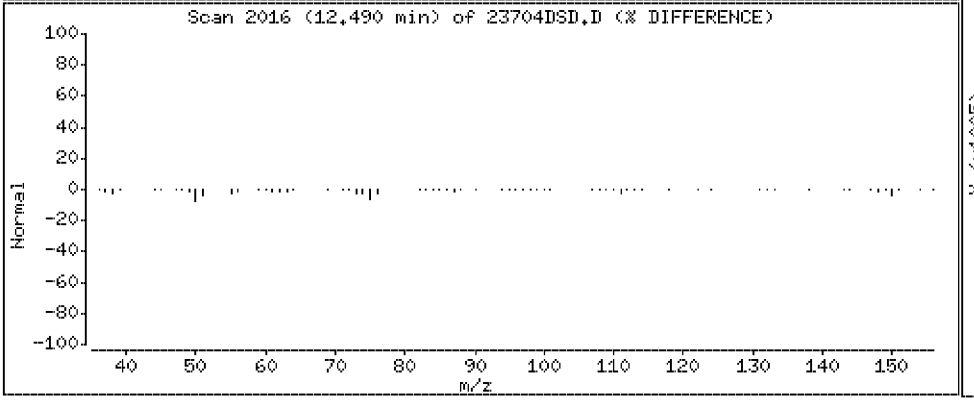
87 1,4-Dichlorobenzene

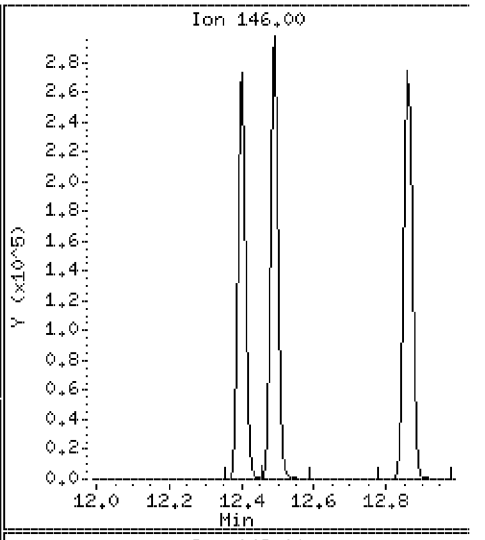
Concentration: 102 ug/l

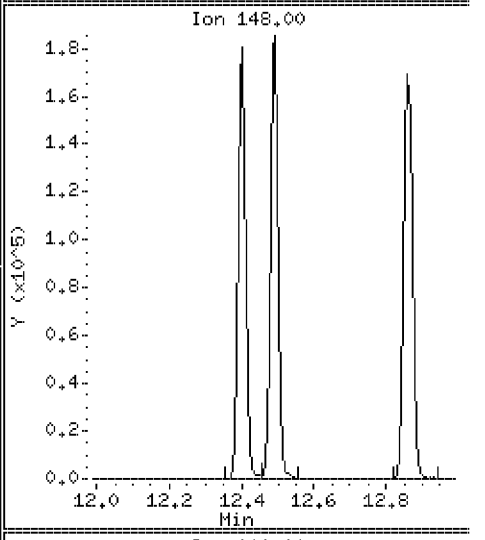


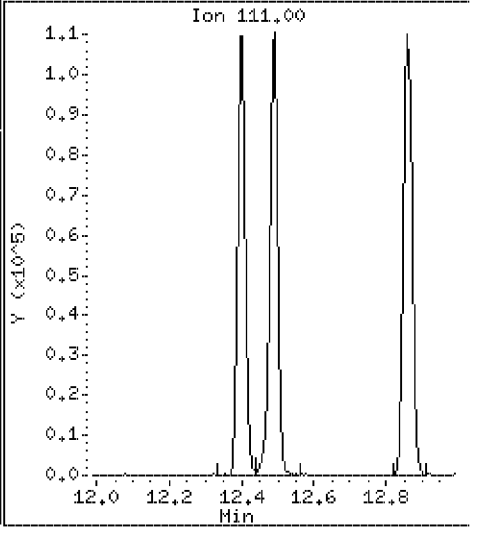












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

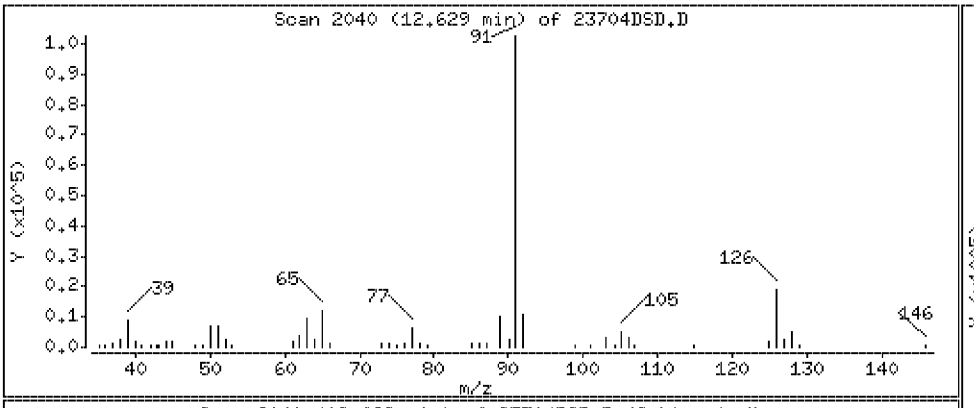
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

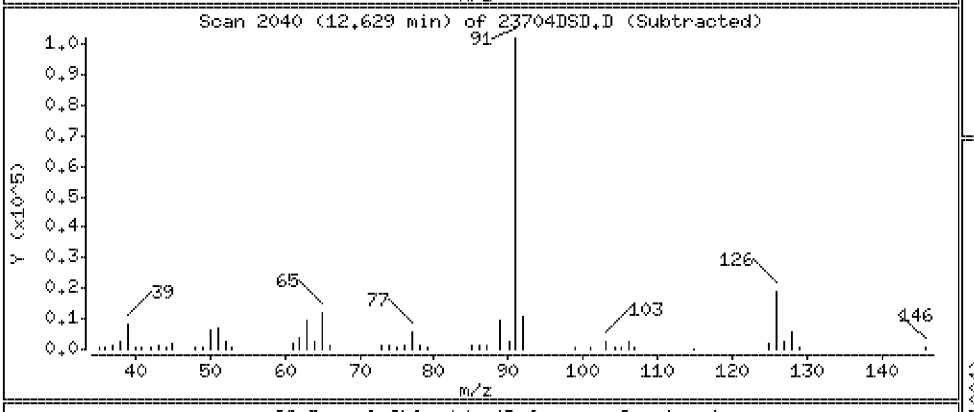
Sample Info: 350023704;3500237;5;

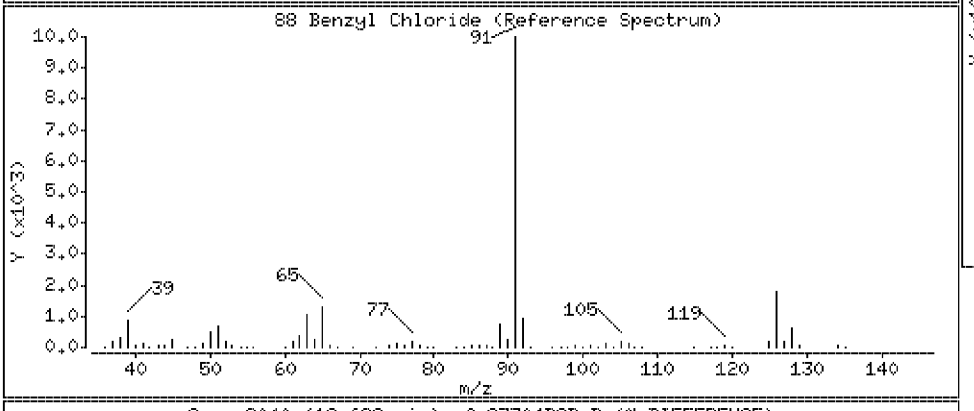
Purge Volume: 5.0 Operator:

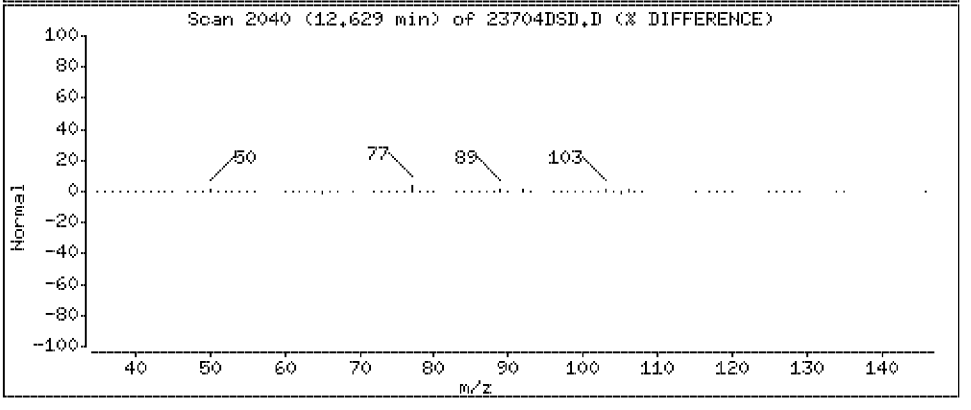
Column phase: RTX-502.2 Column diameter: 0.18

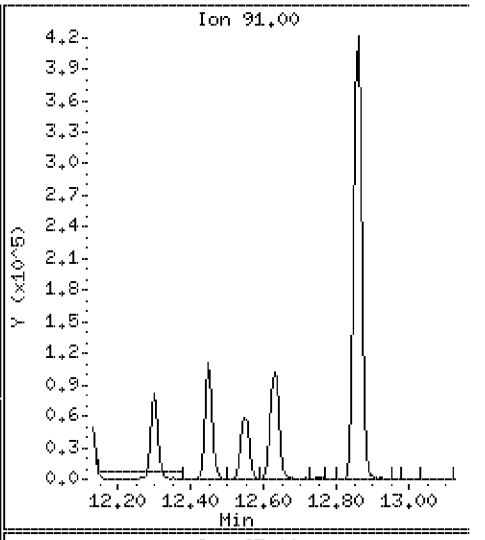
88 Benzyl Chloride Concentration: 76.1 ug/l

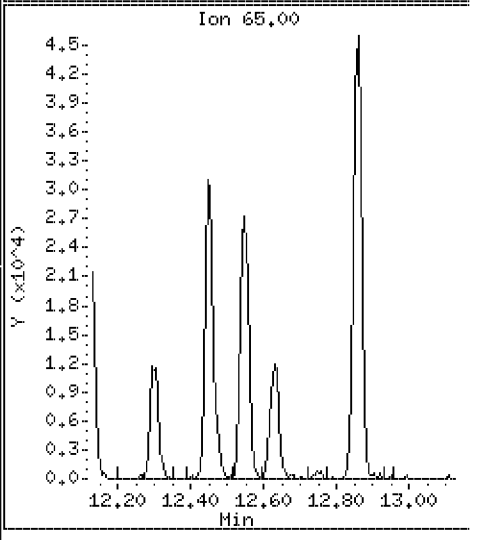












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

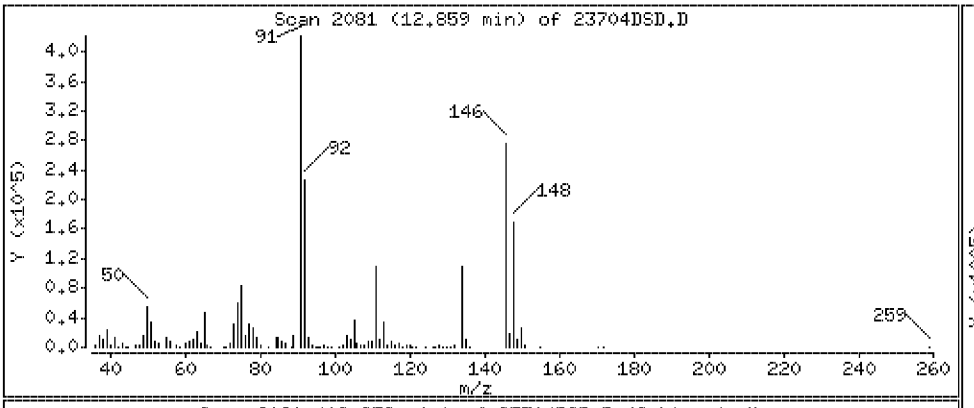
Operator:

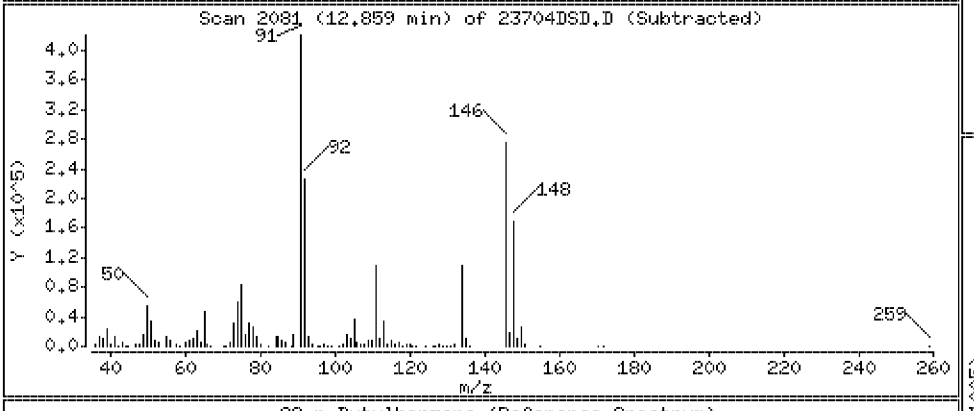
Column phase: RTX-502.2

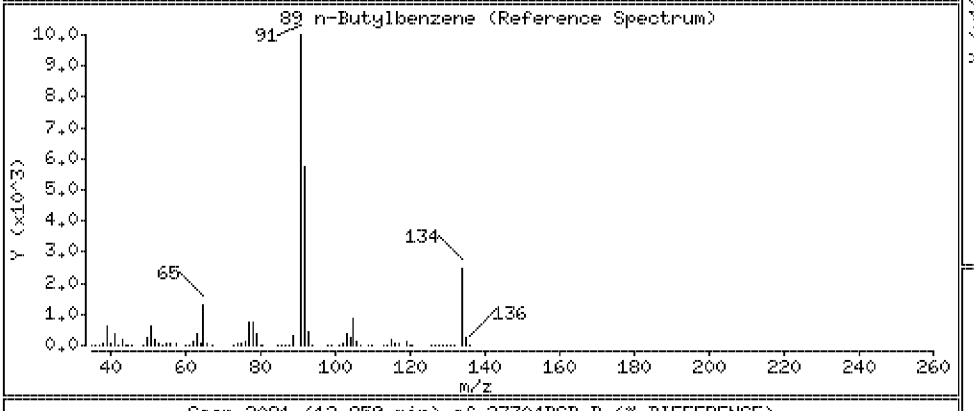
Column diameter: 0.18

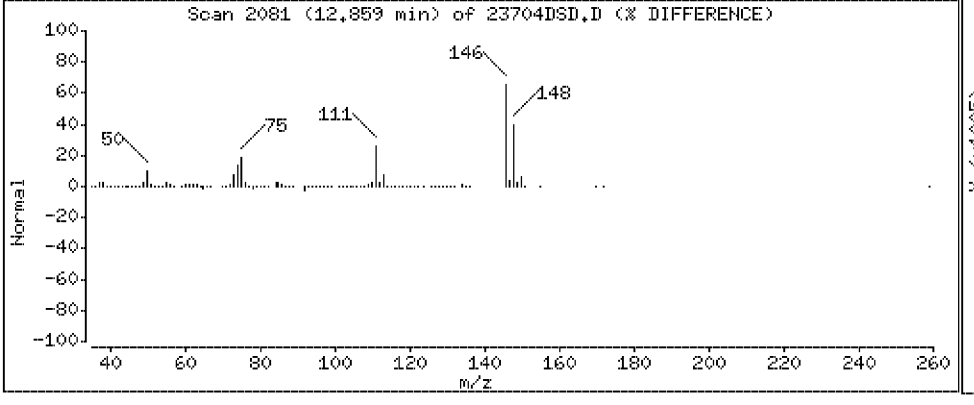
89 n-Butylbenzene

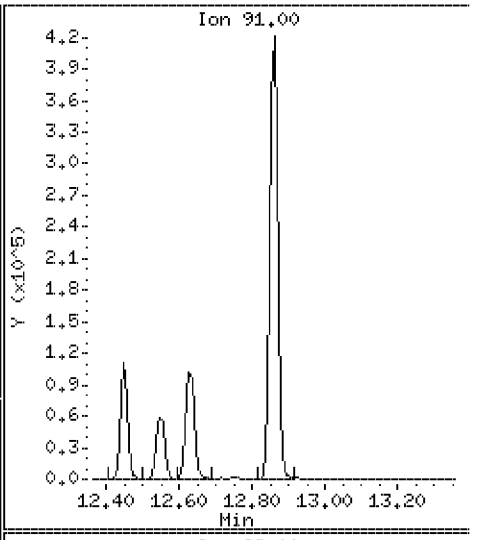
Concentration: 104 ug/l

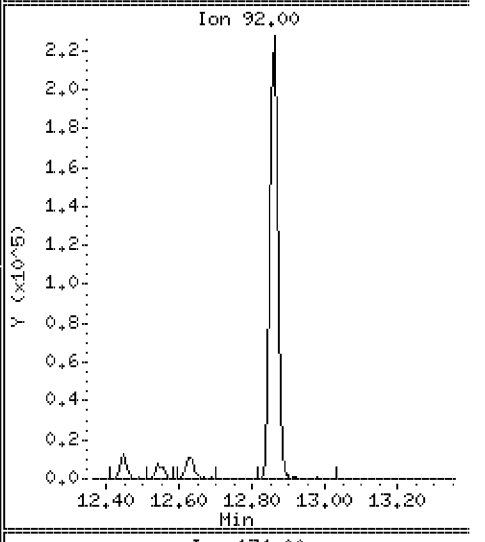


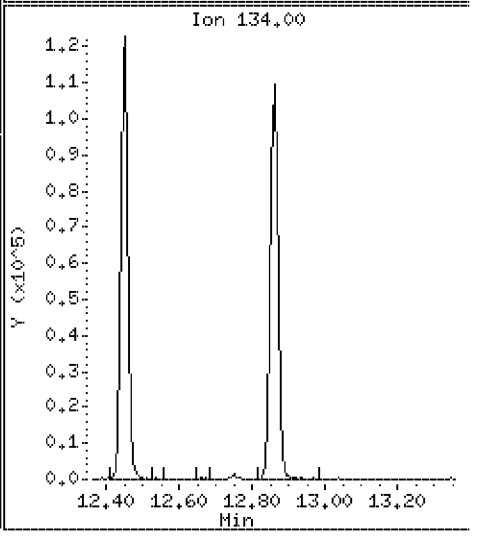












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

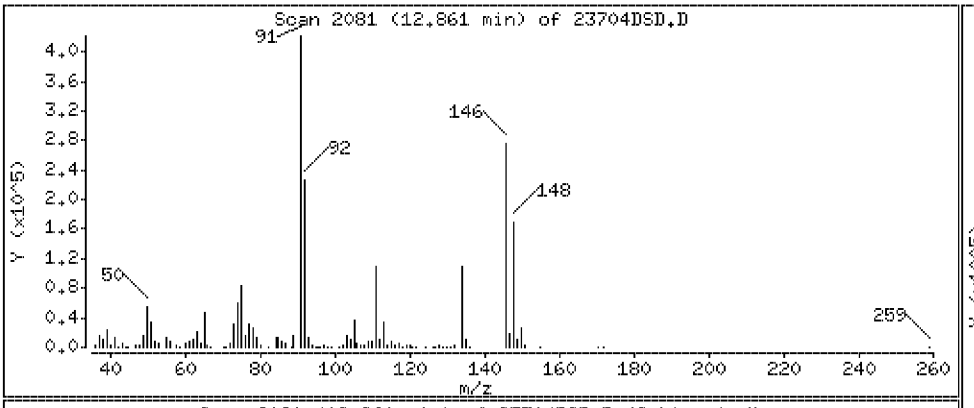
Operator:

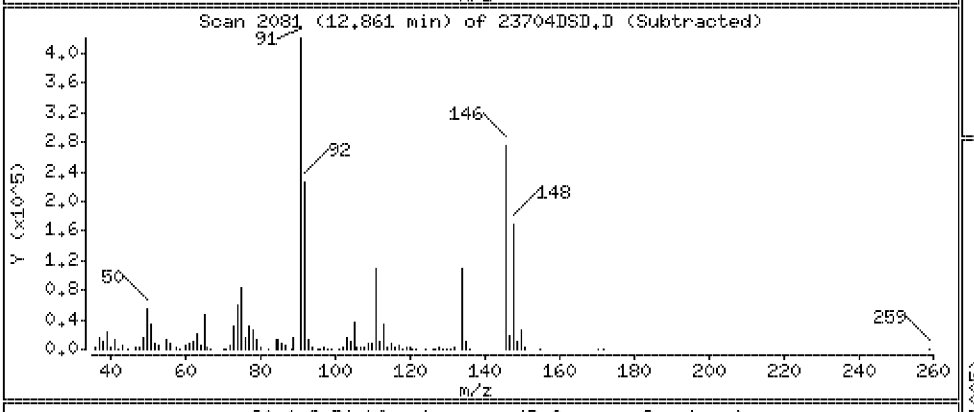
Column phase: RTX-502.2

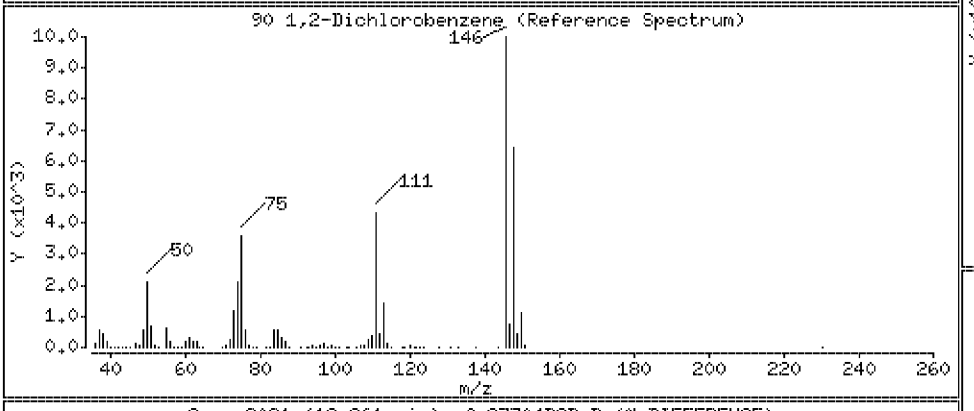
Column diameter: 0.18

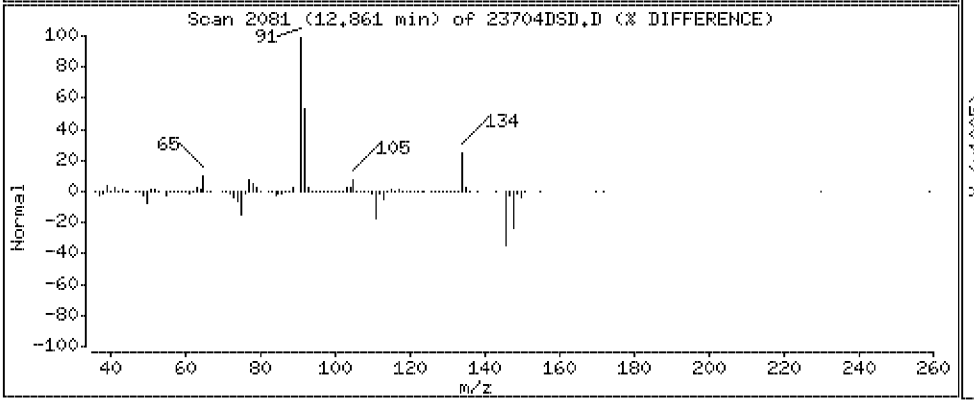
90 1,2-Dichlorobenzene

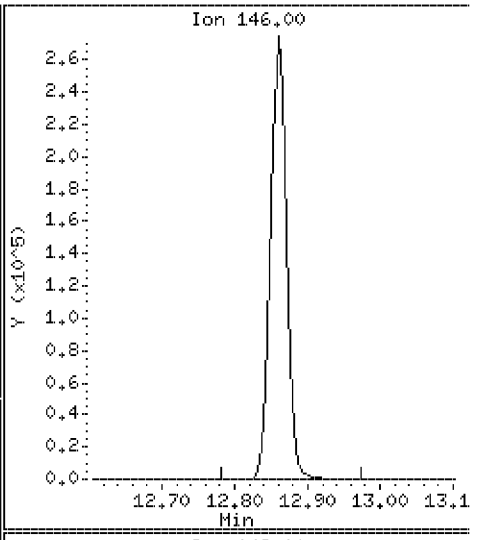
Concentration: 102 ug/l

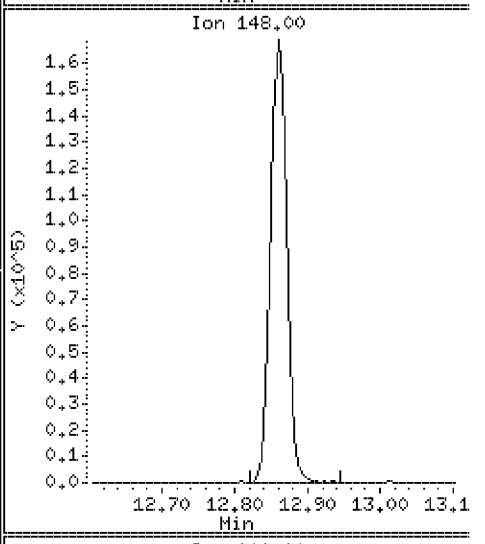


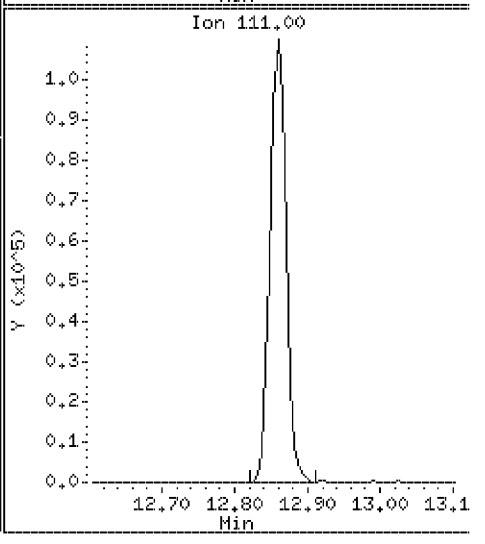












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

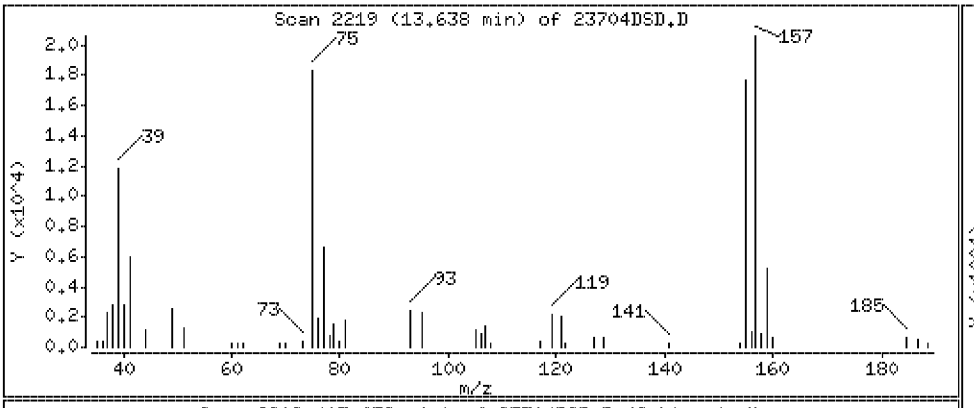
Operator:

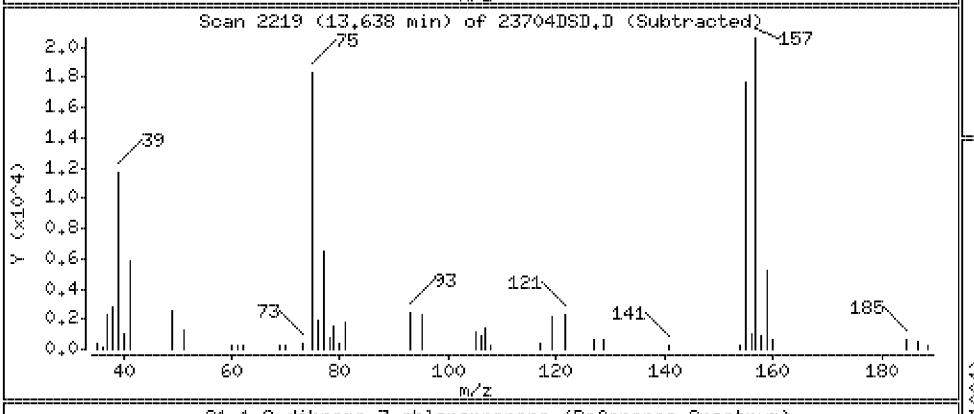
Column phase: RTX-502.2

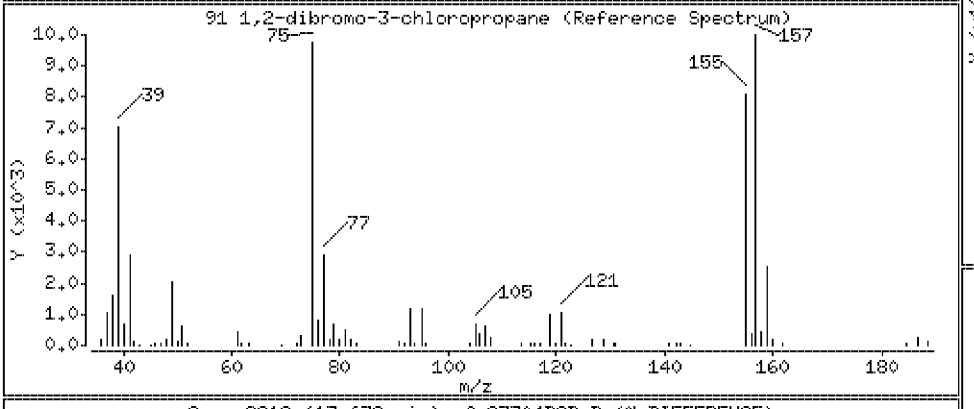
Column diameter: 0.18

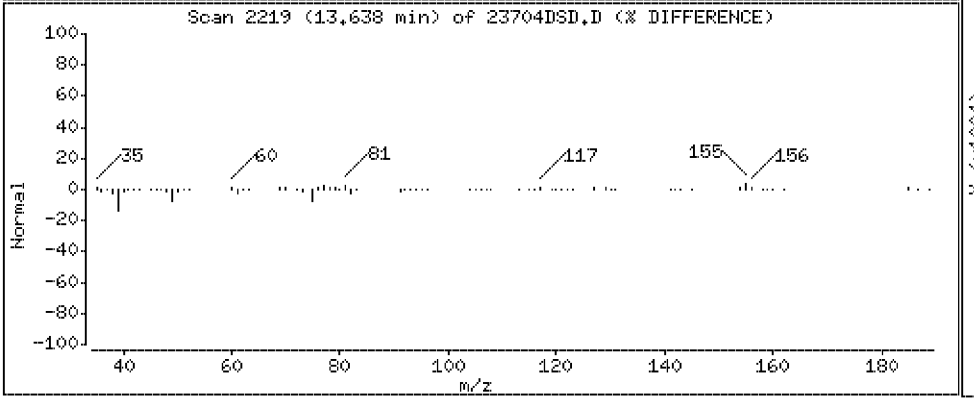
91 1,2-dibromo-3-chloropropane

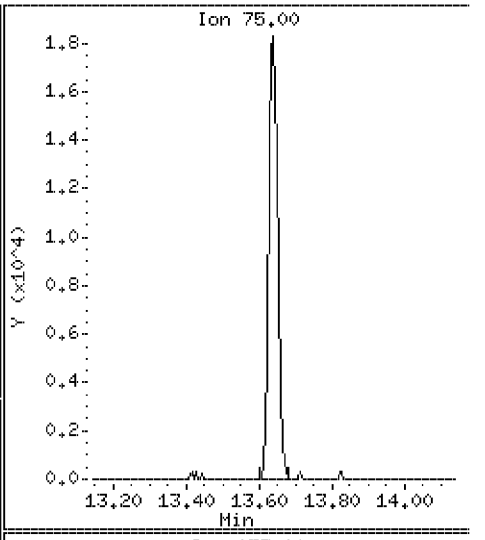
Concentration: 83.0 ug/l

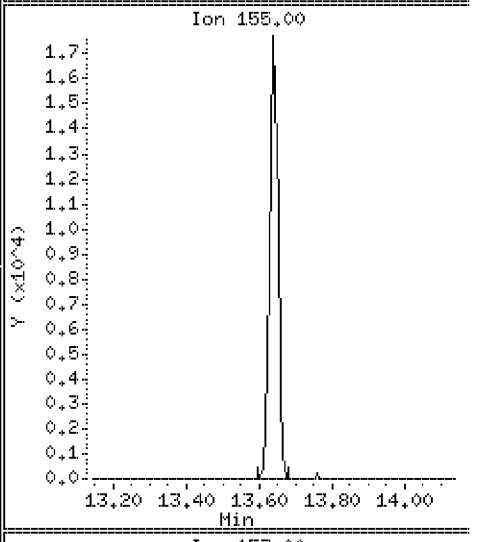


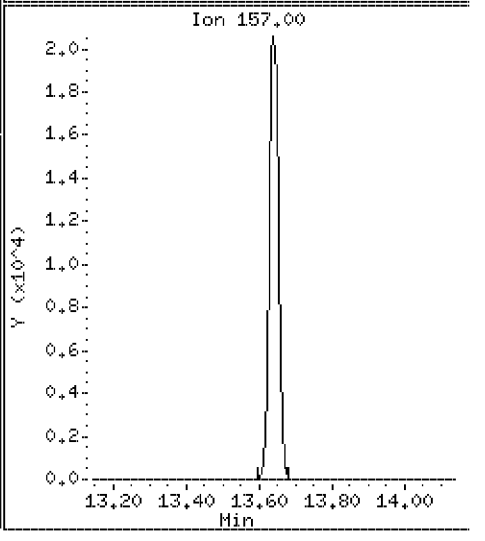












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

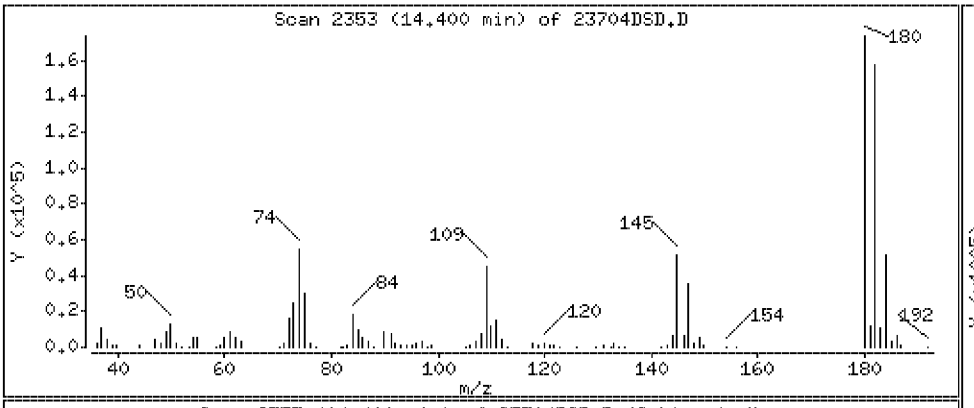
Operator:

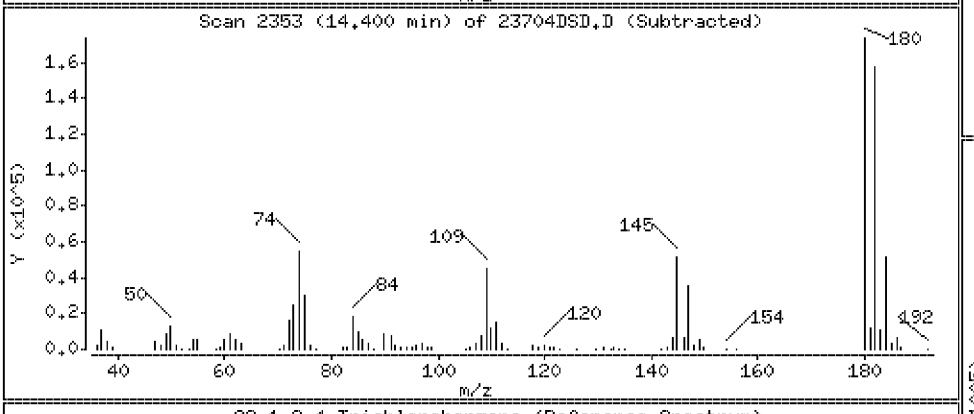
Column phase: RTX-502.2

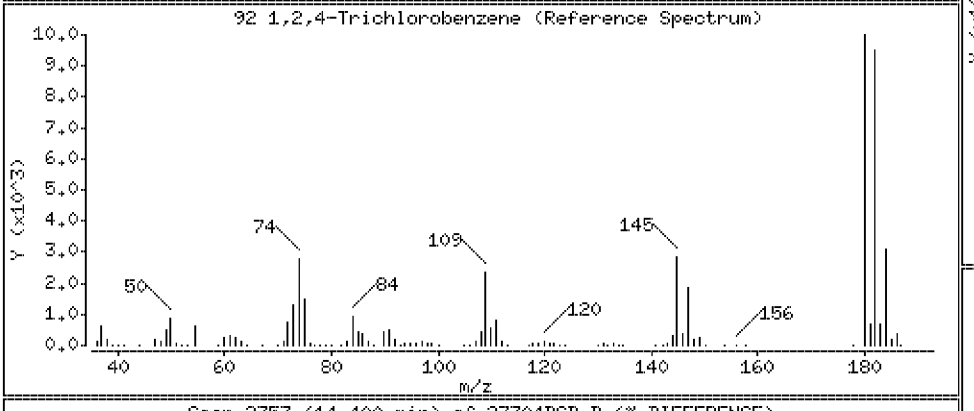
Column diameter: 0.18

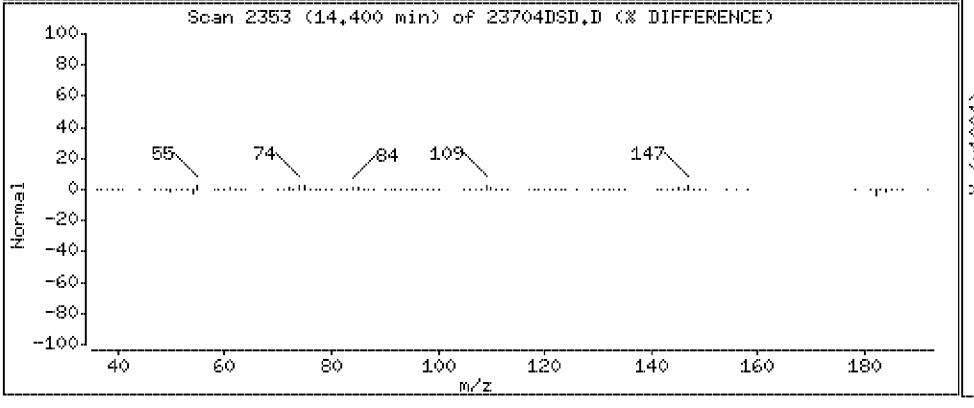
92 1,2,4-Trichlorobenzene

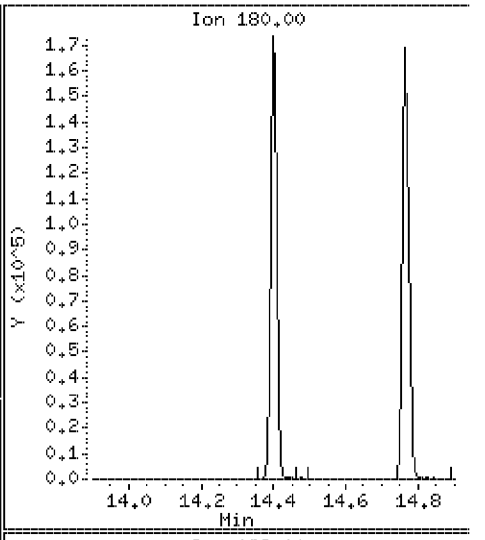
Concentration: 101 ug/l

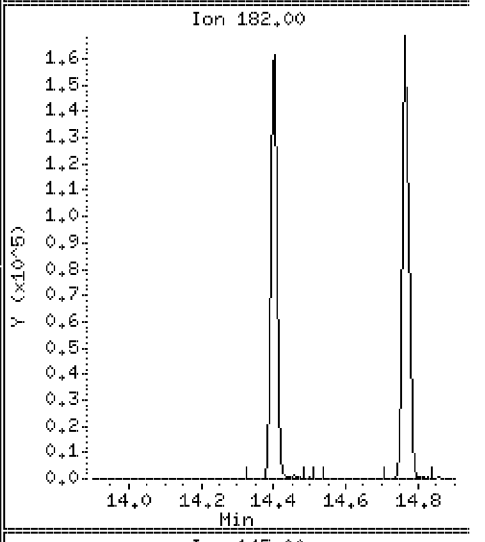


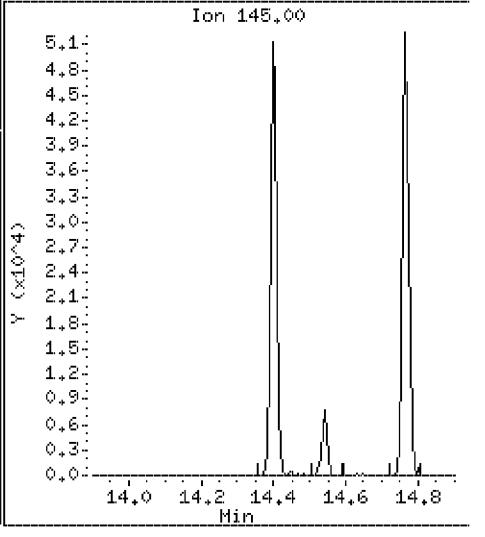












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

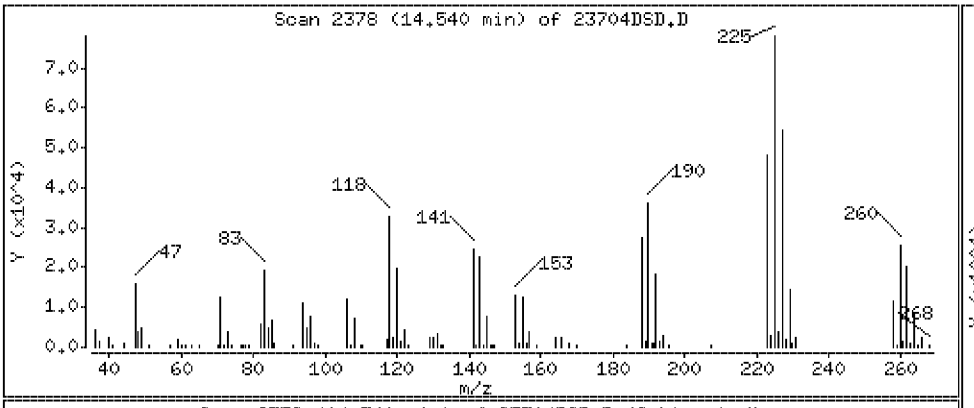
Operator:

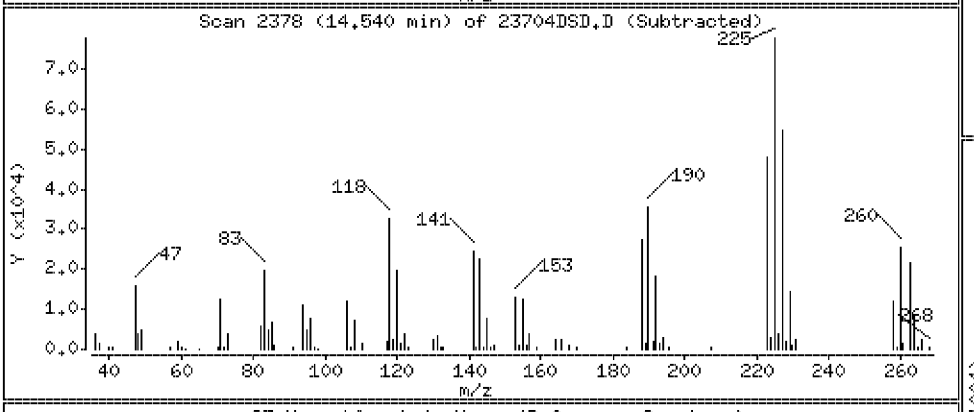
Column phase: RTX-502.2

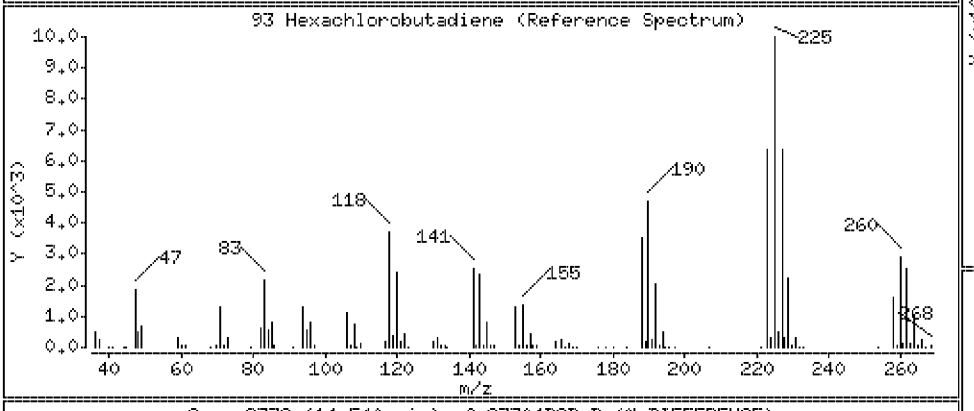
Column diameter: 0.18

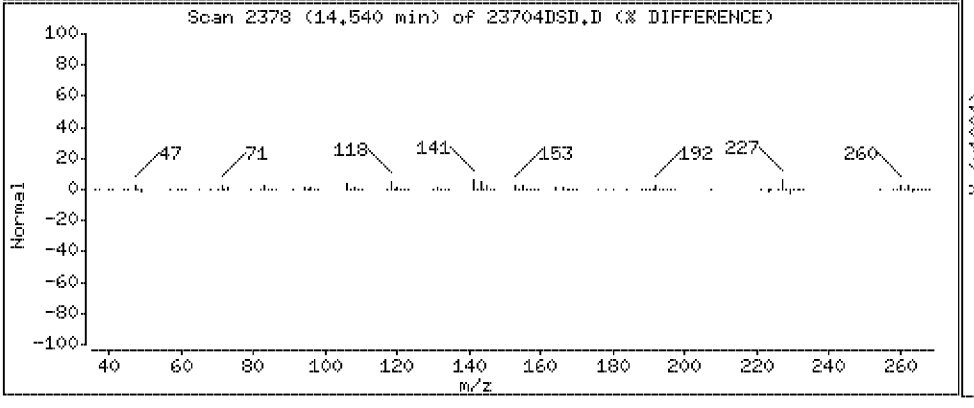
93 Hexachlorobutadiene

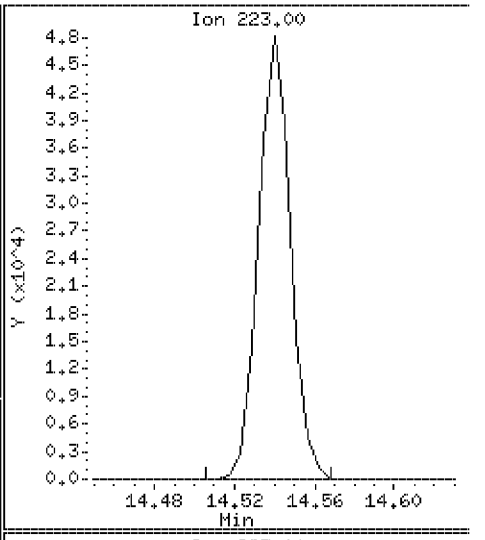
Concentration: 105 ug/l

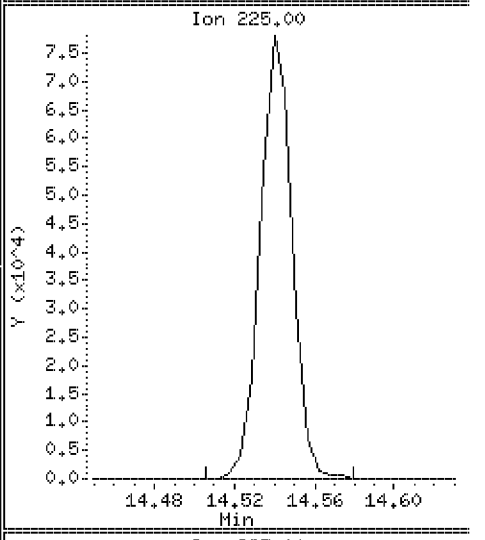


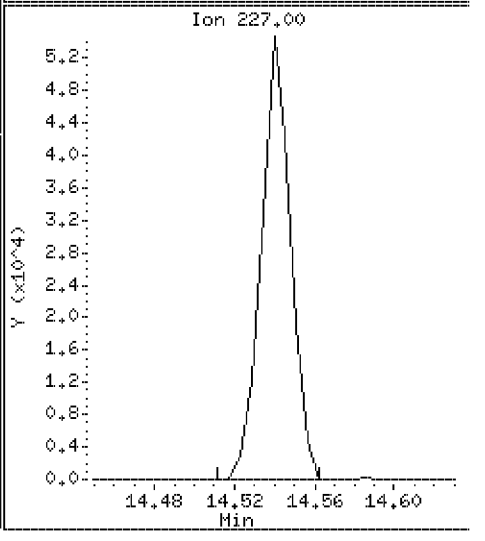












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

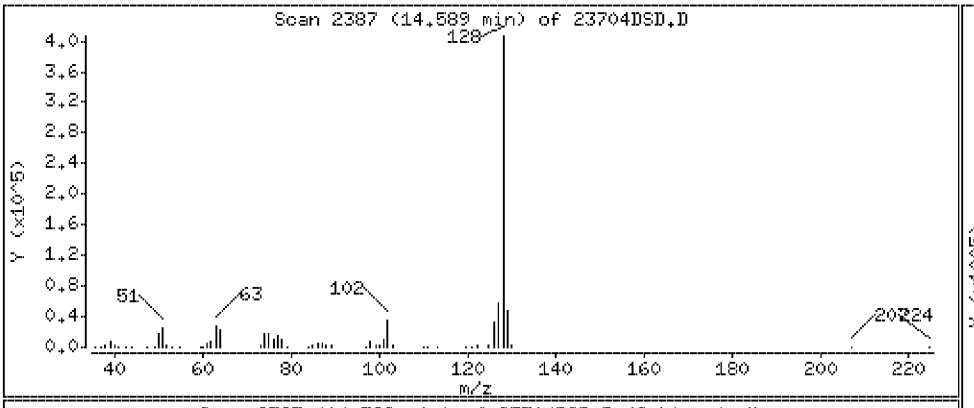
Operator:

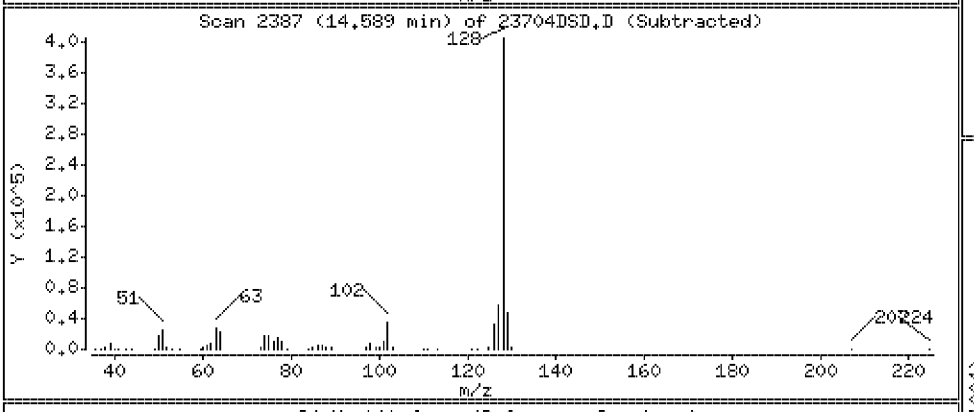
Column phase: RTX-502.2

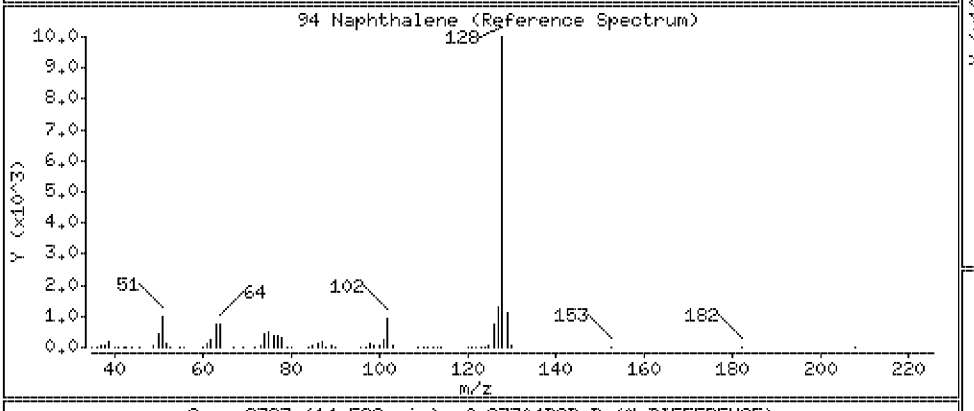
Column diameter: 0.18

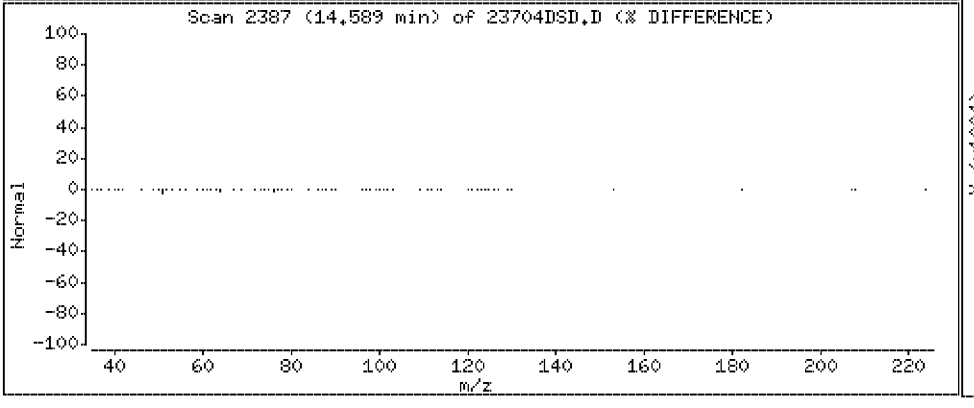
94 Naphthalene

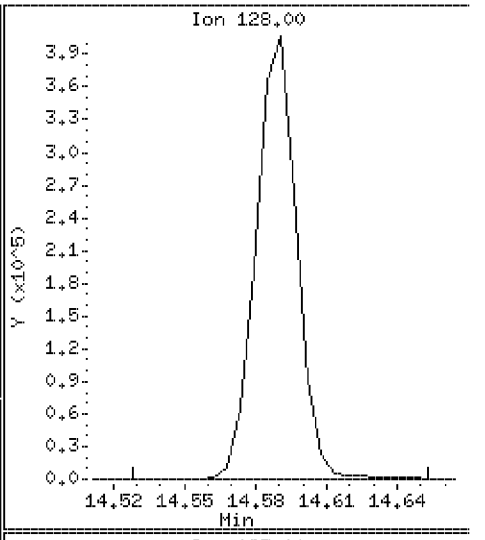
Concentration: 86.8 ug/l

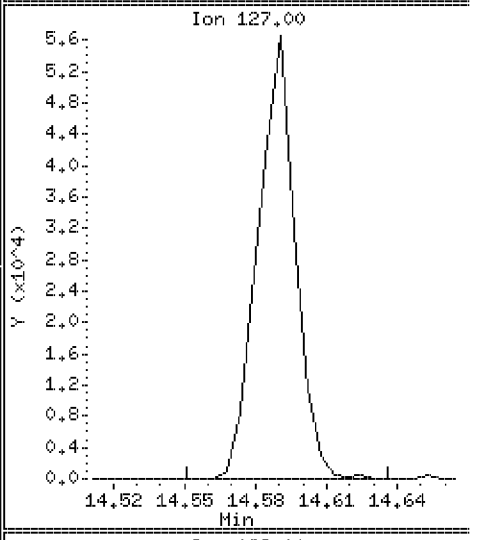


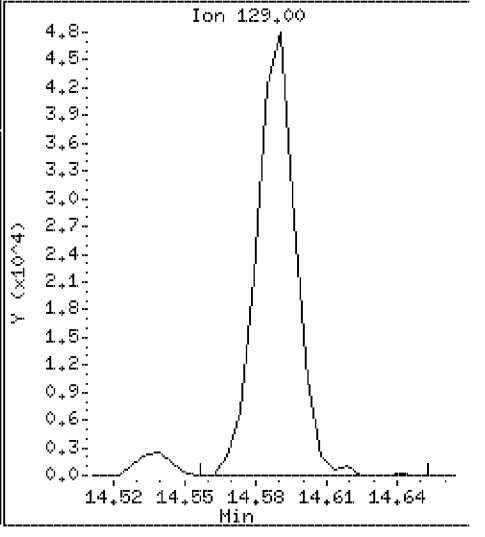












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

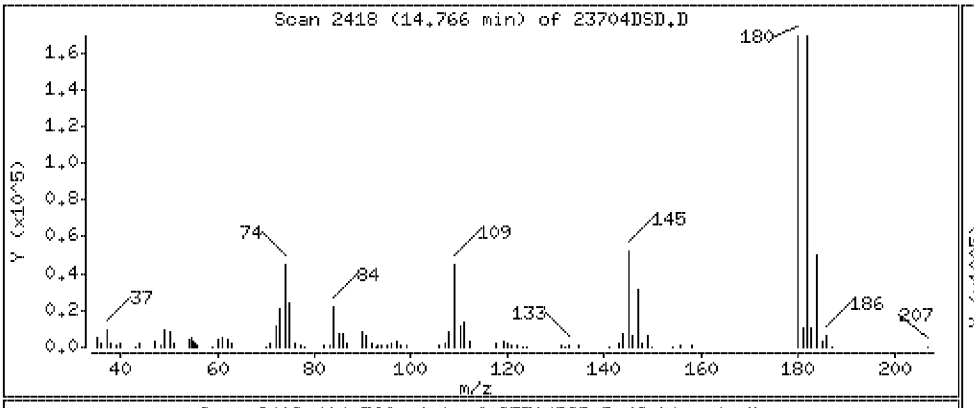
Operator:

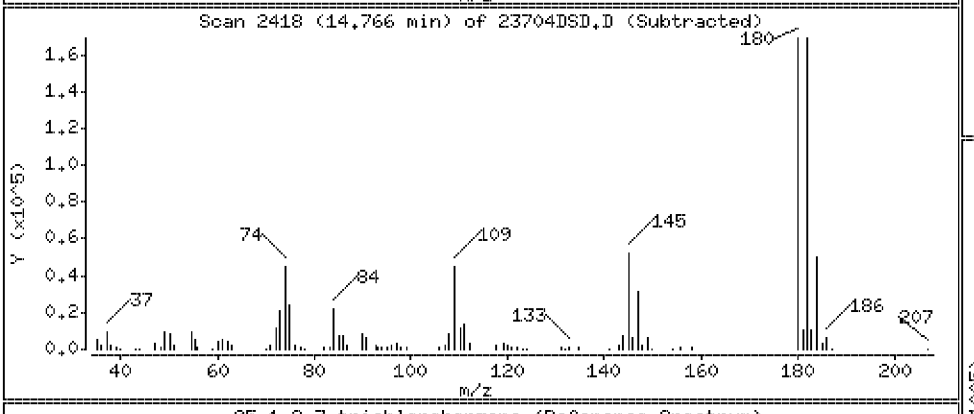
Column phase: RTX-502.2

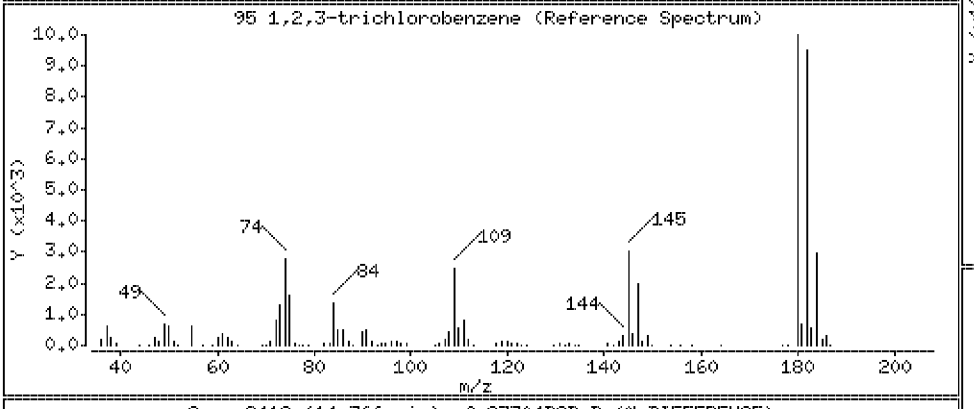
Column diameter: 0.18

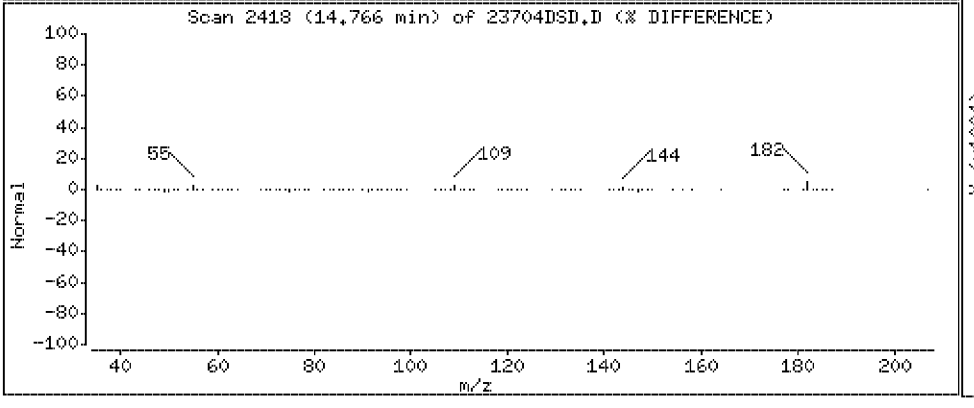
95 1,2,3-trichlorobenzene

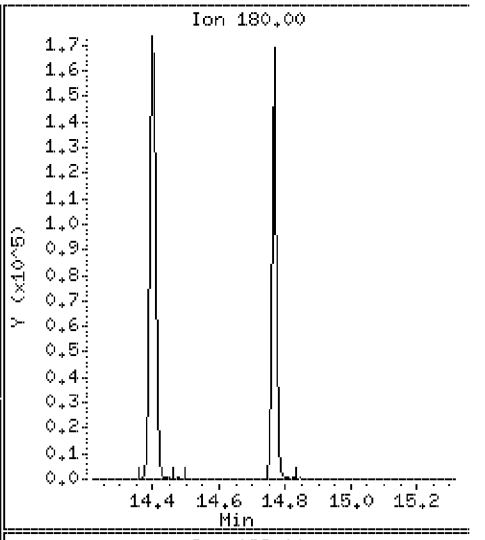
Concentration: 94.9 ug/l

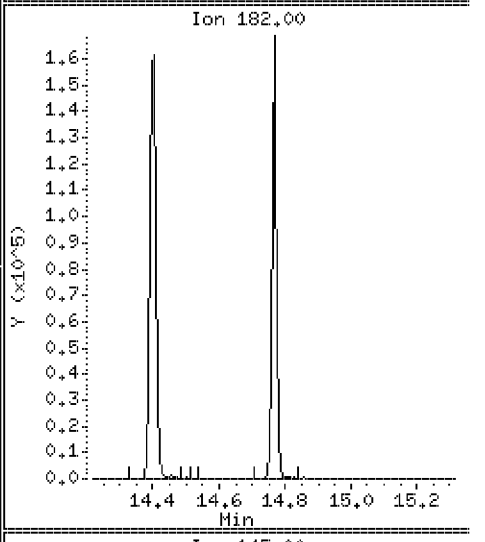


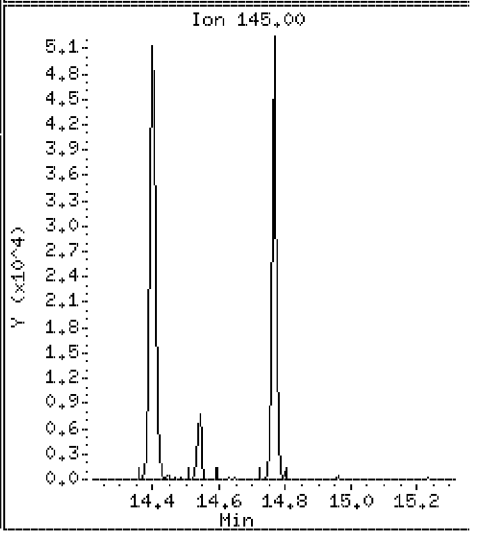












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

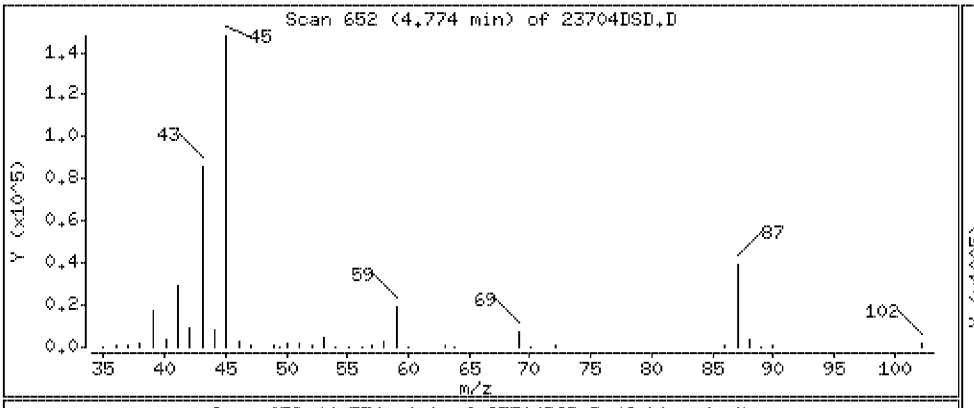
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

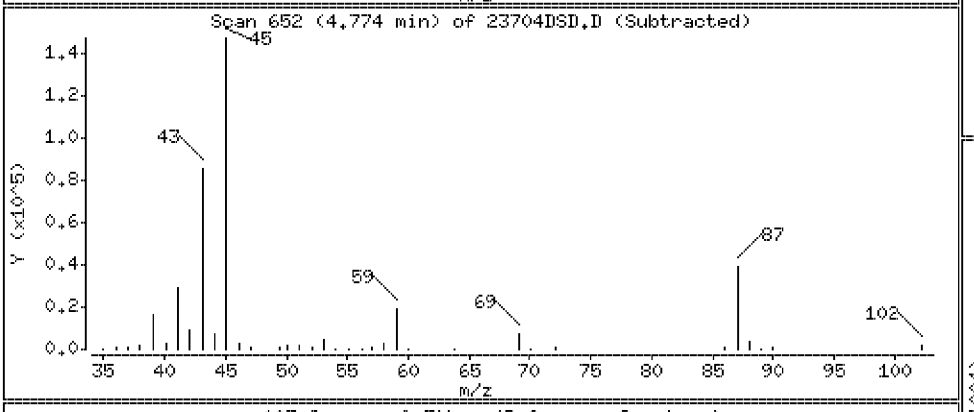
Sample Info: 350023704;3500237;5;

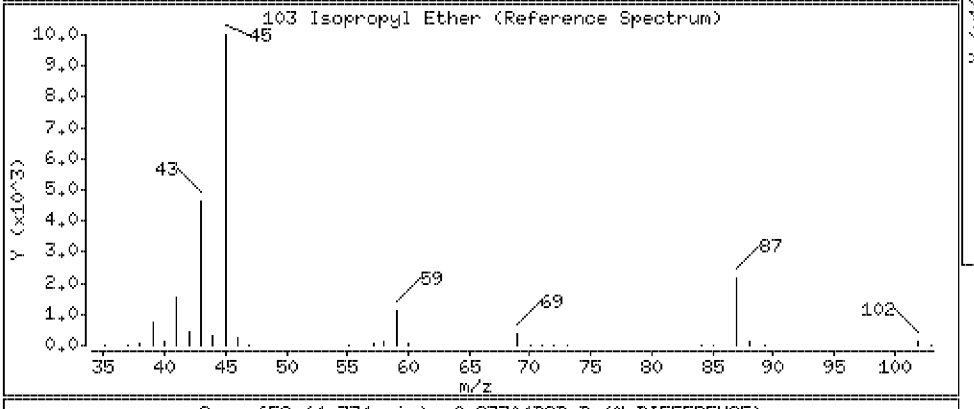
Purge Volume: 5.0 Operator:

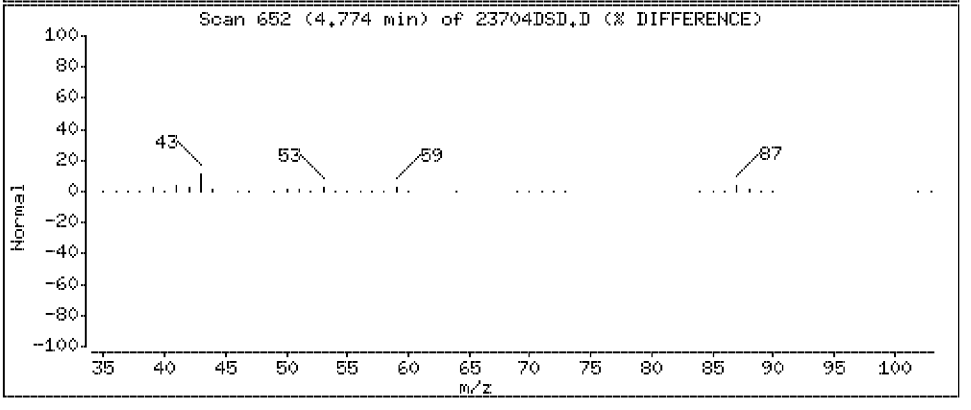
Column phase: RTX-502.2 Column diameter: 0.18

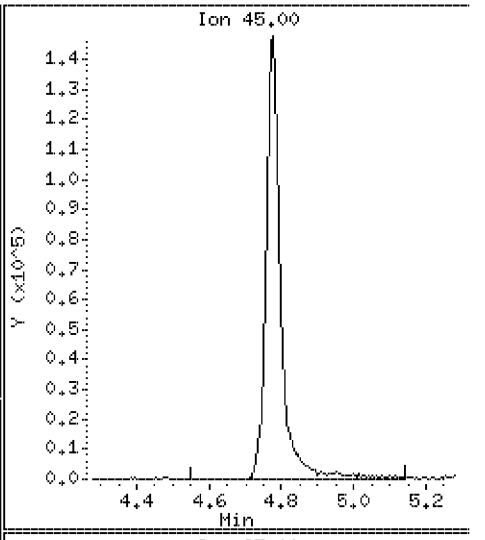
103 Isopropyl Ether Concentration: 77.3 ug/l

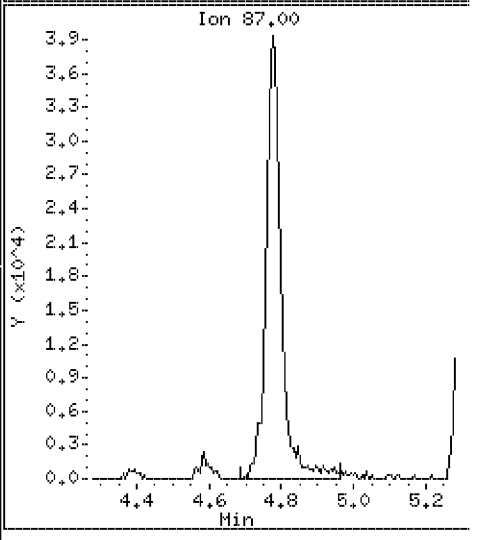












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

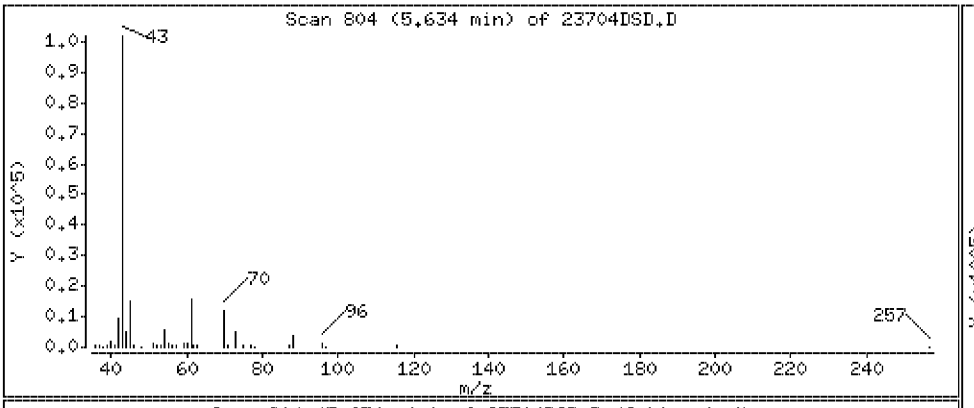
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

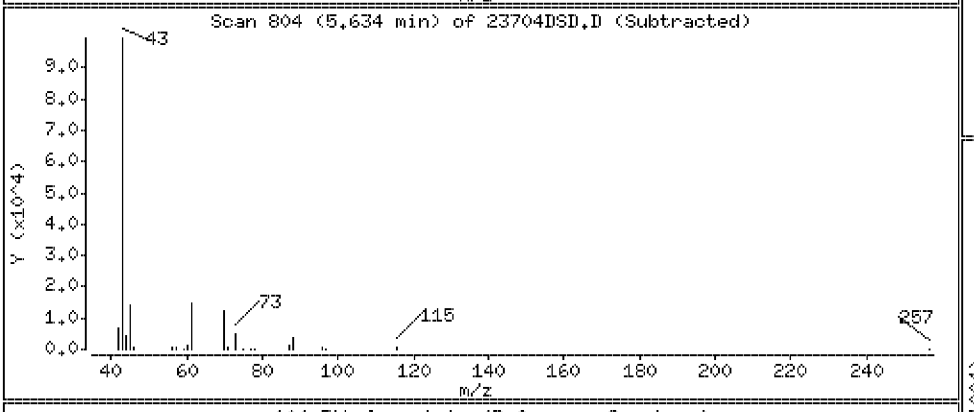
Sample Info: 350023704;3500237;5;

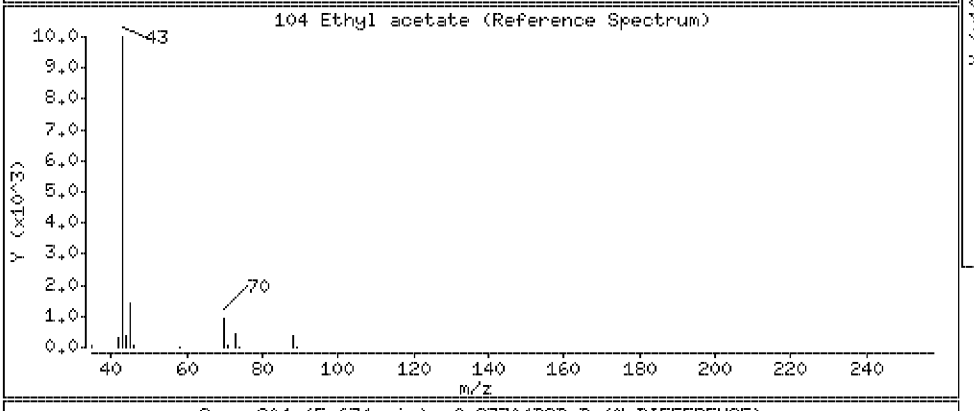
Purge Volume: 5.0 Operator:

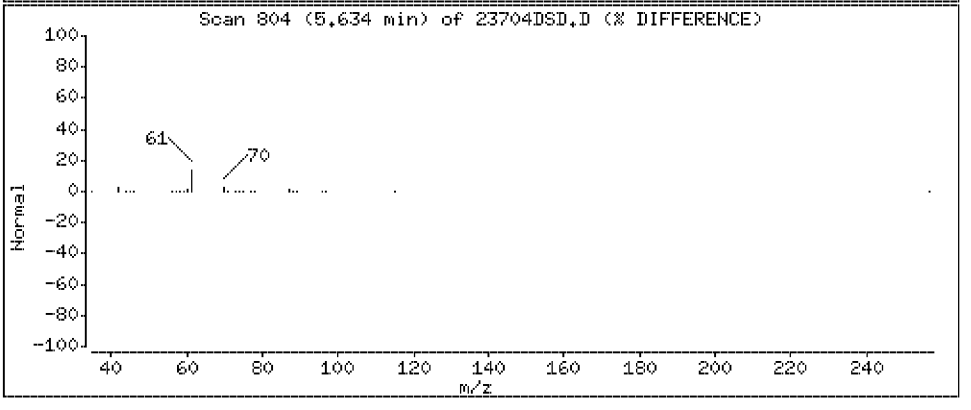
Column phase: RTX-502.2 Column diameter: 0.18

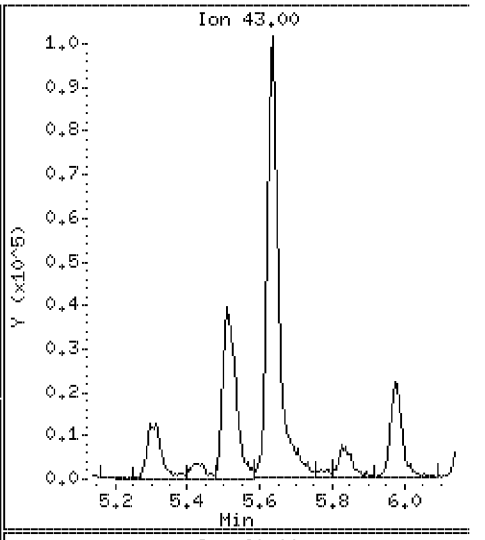
104 Ethyl acetate Concentration: 175 ug/l

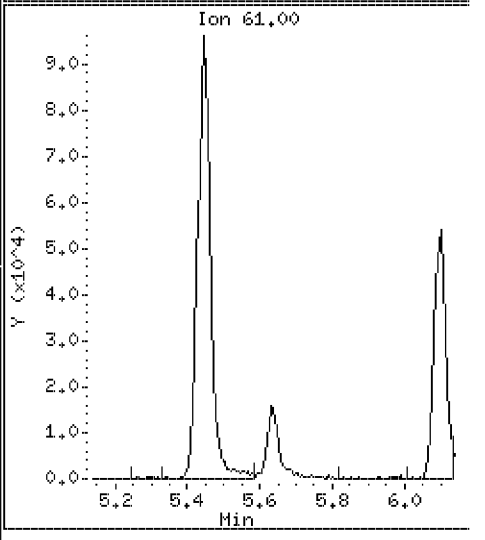












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

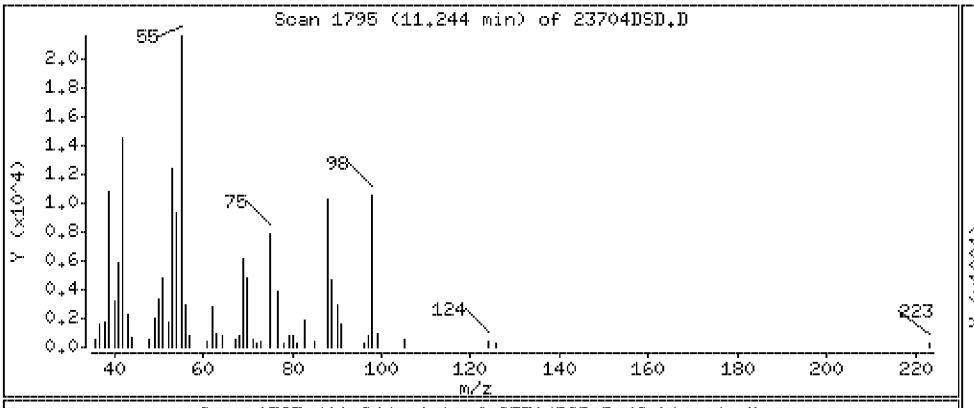
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

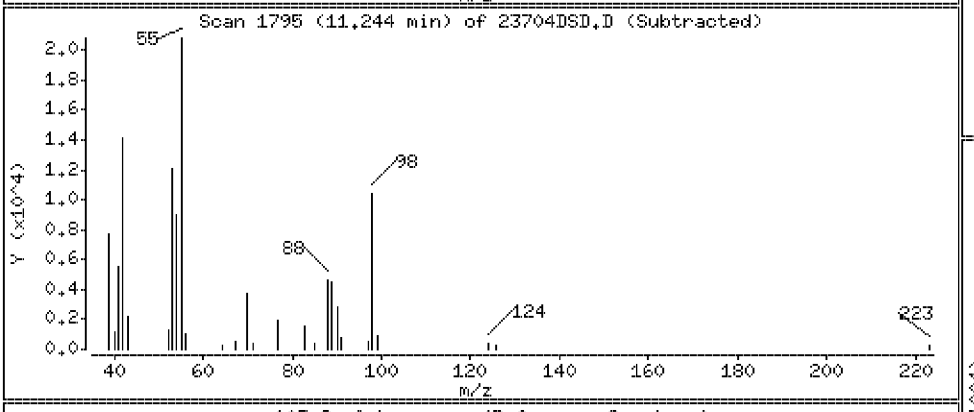
Sample Info: 350023704;3500237;5;

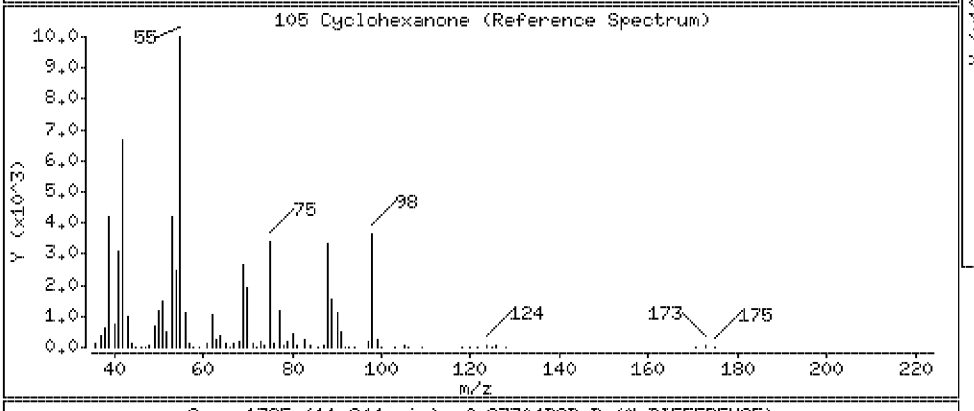
Purge Volume: 5.0 Operator:

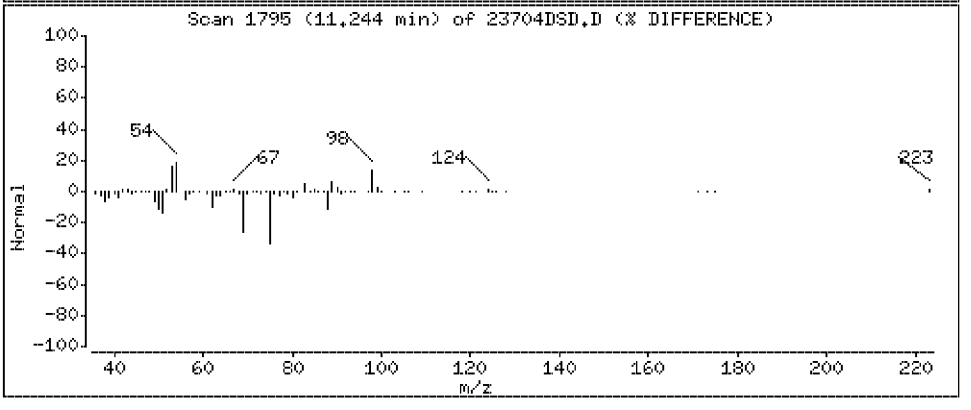
Column phase: RTX-502.2 Column diameter: 0.18

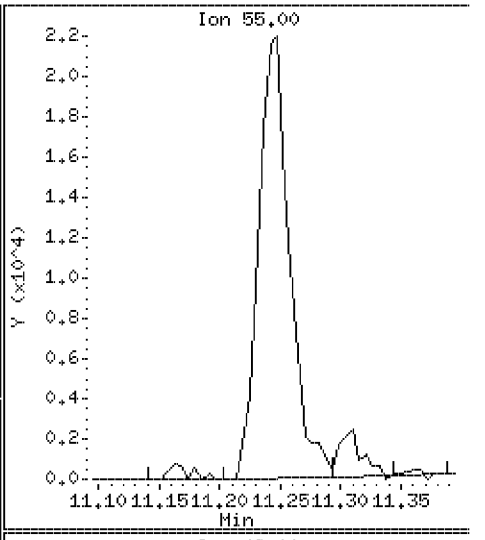
105 Cyclohexanone Concentration: 595 ug/l

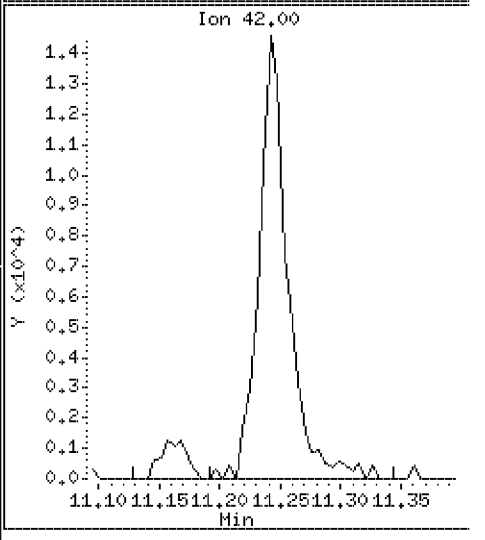












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

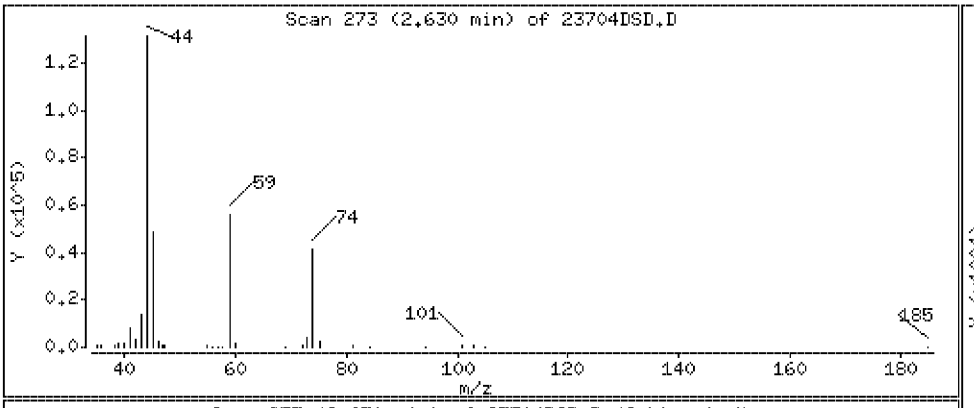
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

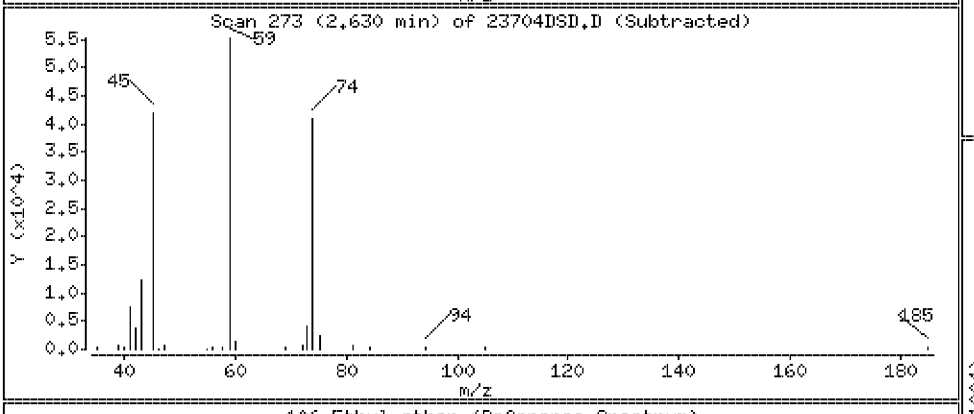
Sample Info: 350023704;3500237;5;

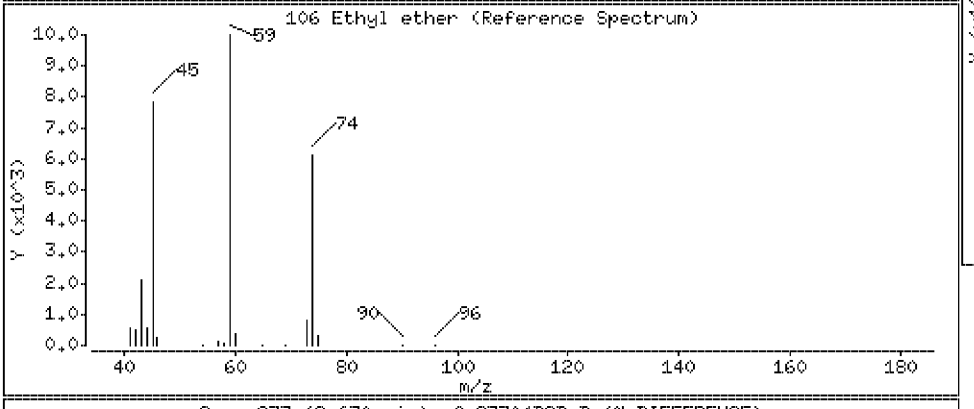
Purge Volume: 5.0 Operator:

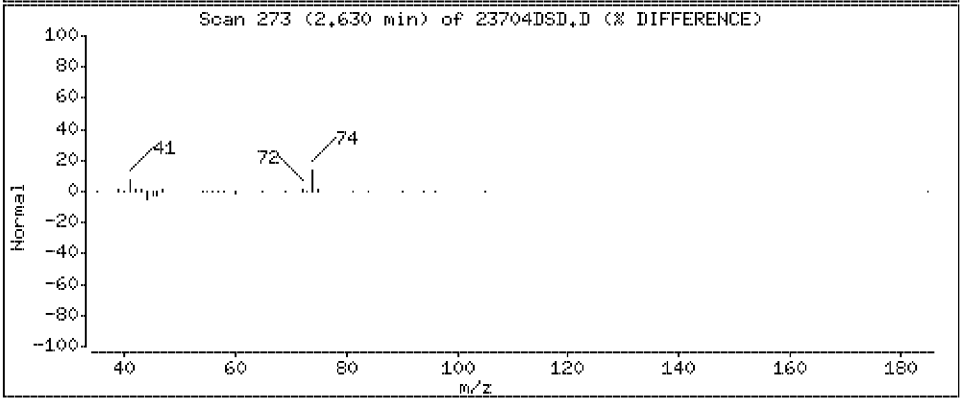
Column phase: RTX-502.2 Column diameter: 0.18

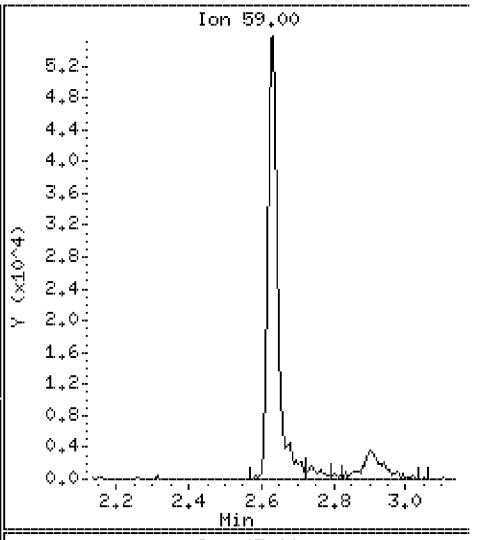
106 Ethyl ether Concentration: 81.5 ug/l

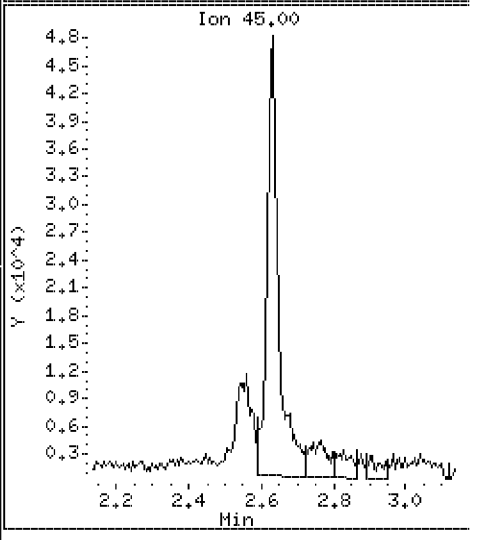












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

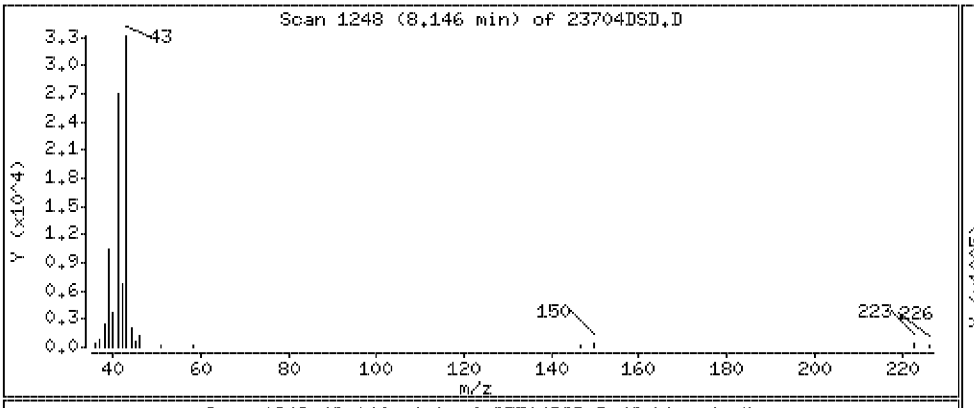
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

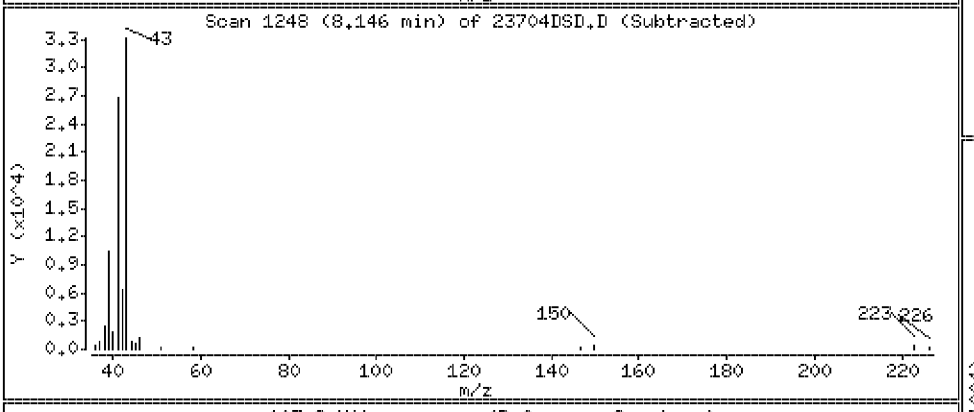
Sample Info: 350023704;3500237;5;

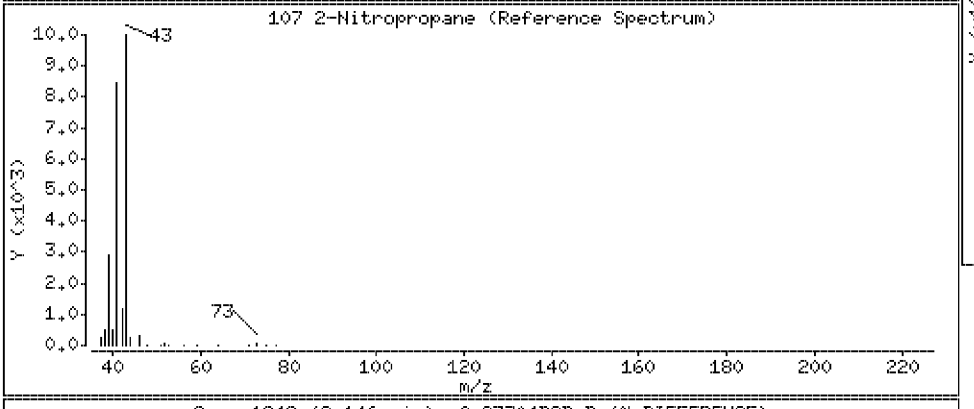
Purge Volume: 5.0 Operator:

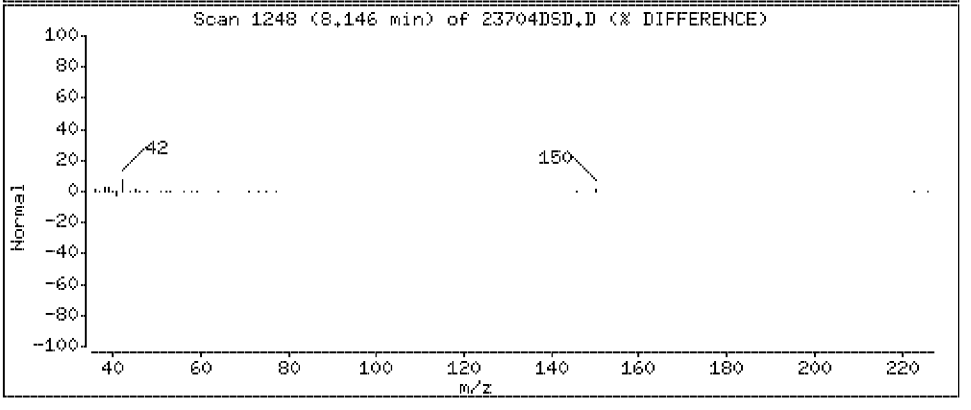
Column phase: RTX-502.2 Column diameter: 0.18

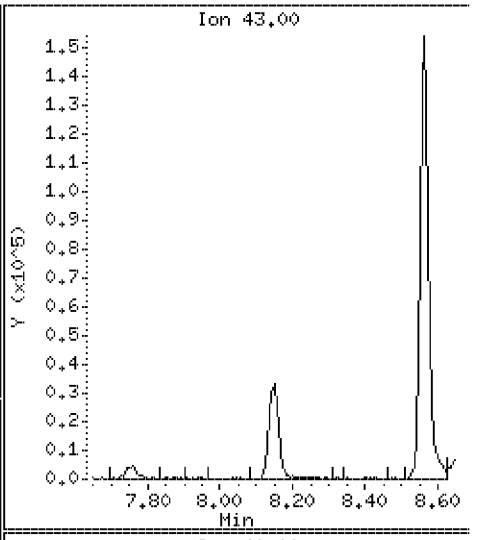
107 2-Nitropropane Concentration: 164 ug/l

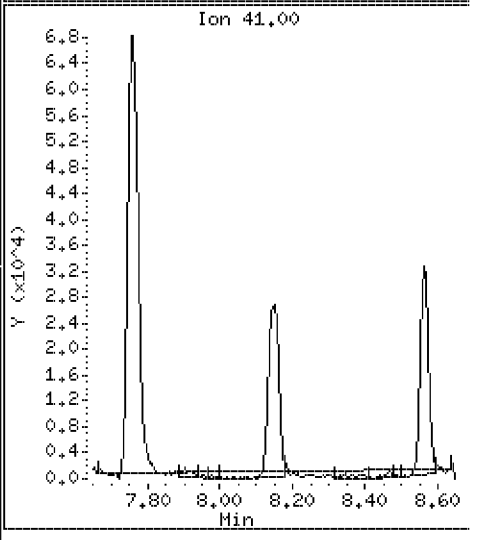












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

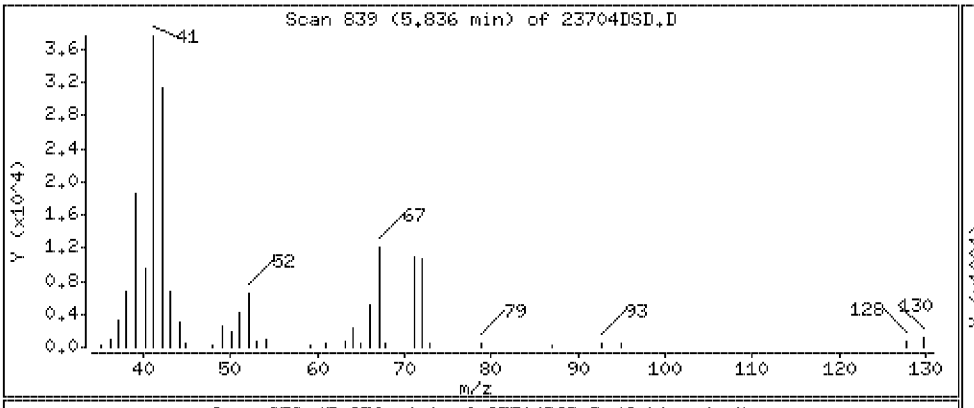
Operator:

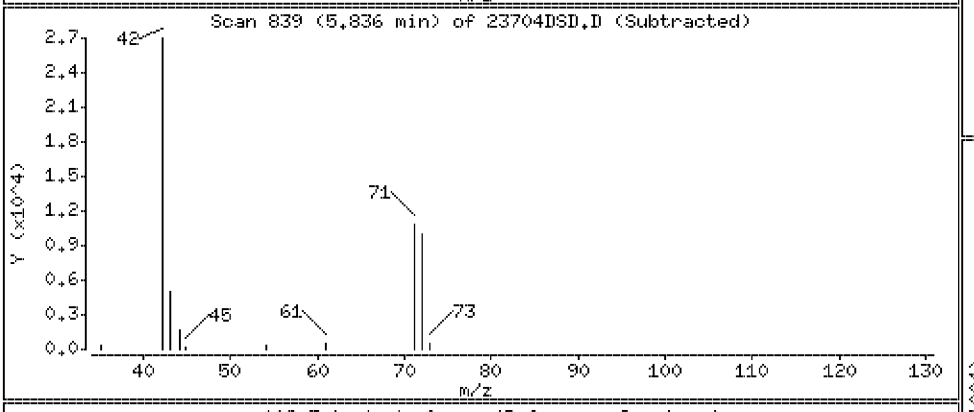
Column phase: RTX-502.2

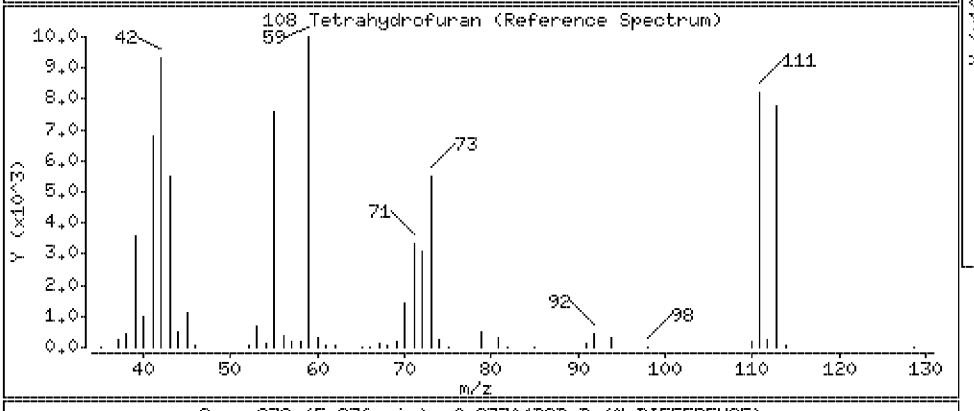
Column diameter: 0.18

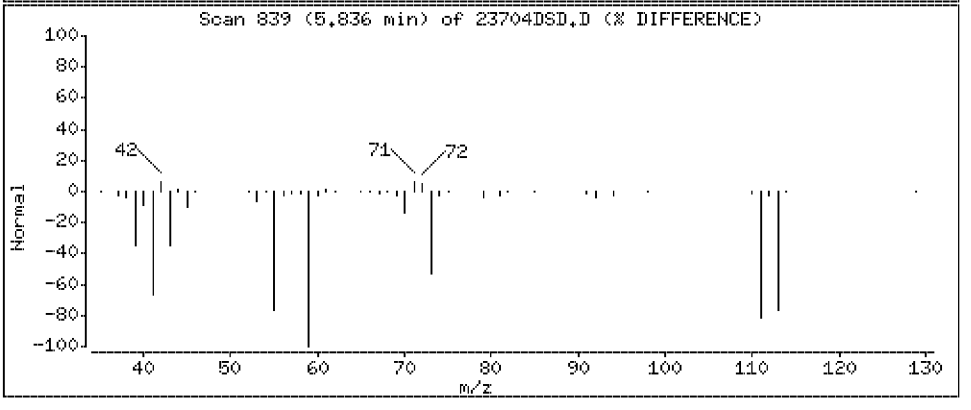
108 Tetrahydrofuran

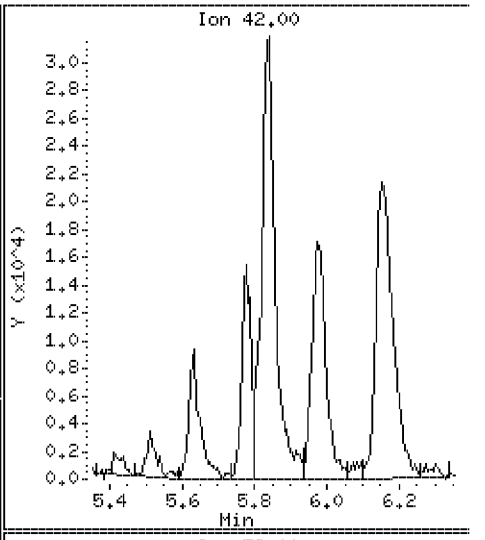
Concentration: 214 ug/l

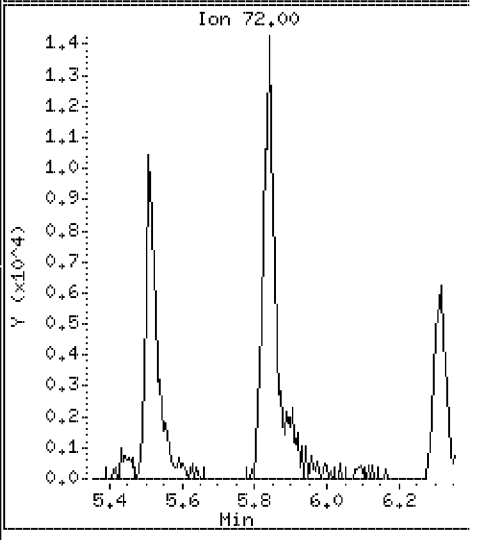












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

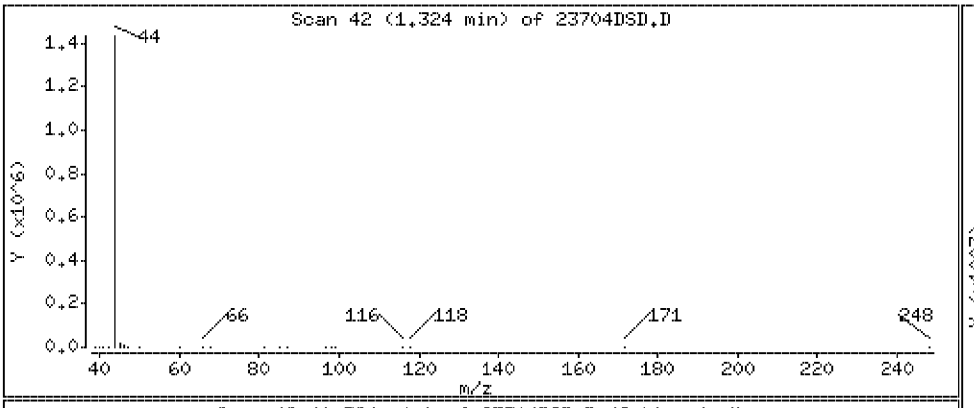
Operator:

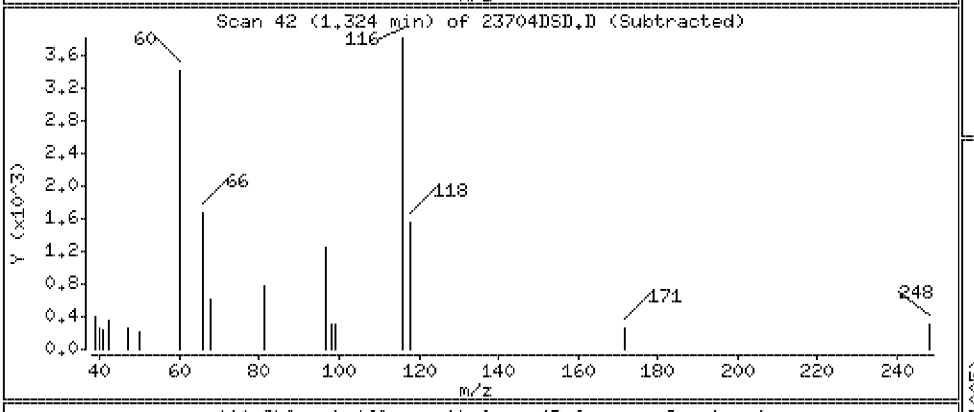
Column phase: RTX-502.2

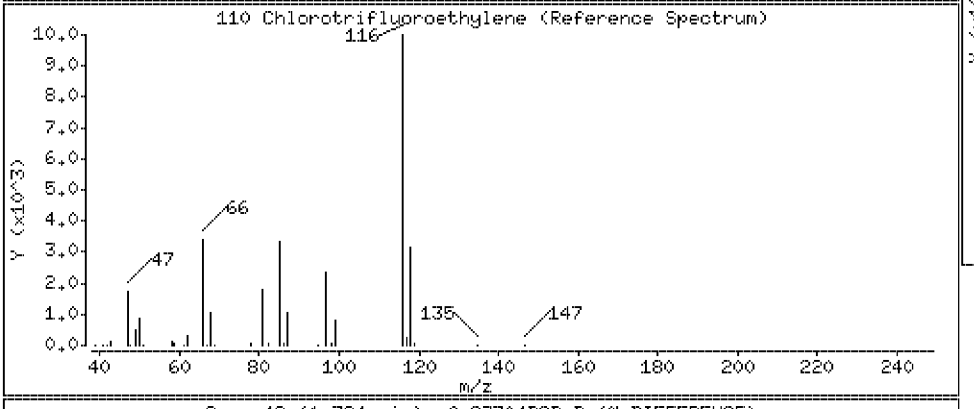
Column diameter: 0.18

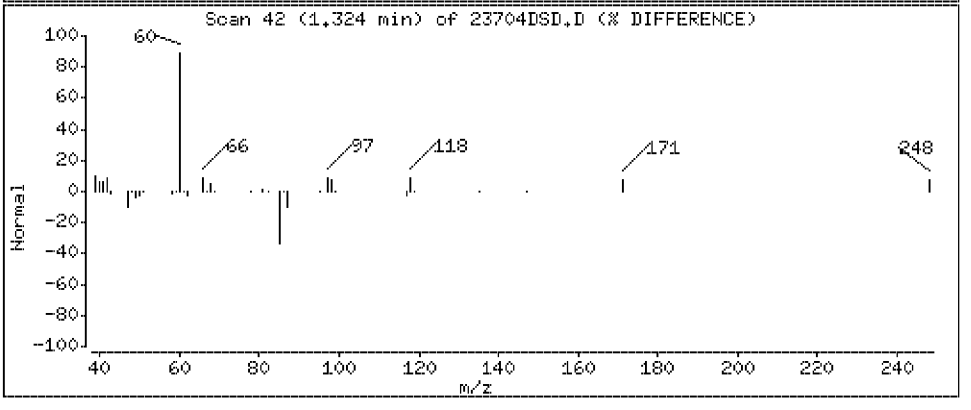
110 Chlorotrifluoroethylene

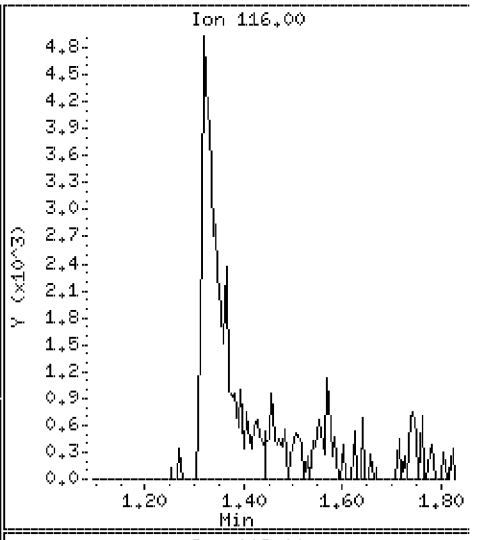
Concentration: 51.2 ug/l

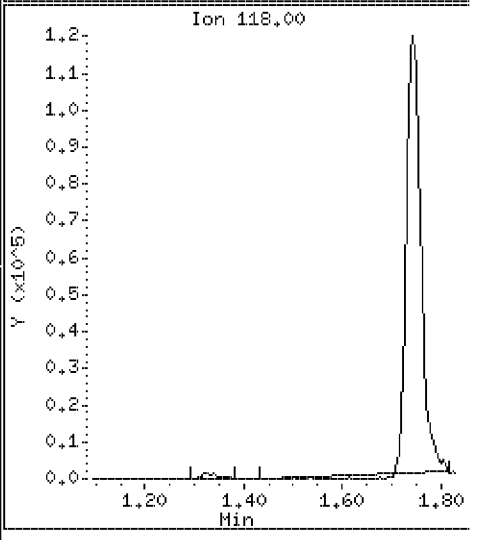












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

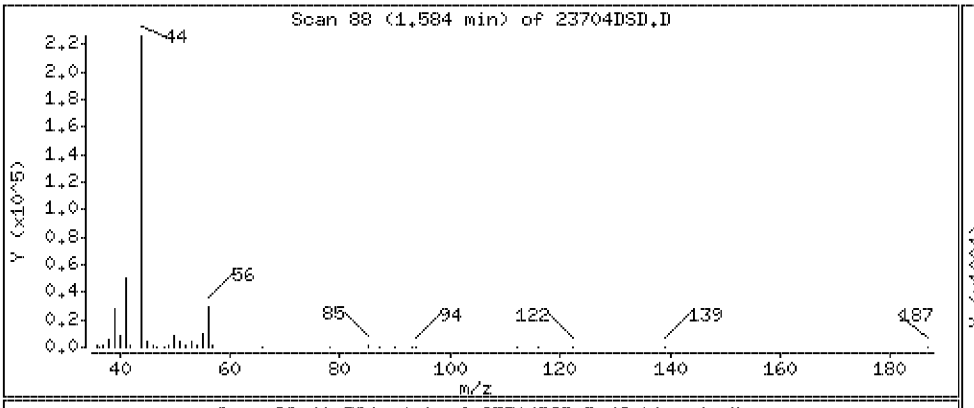
Operator:

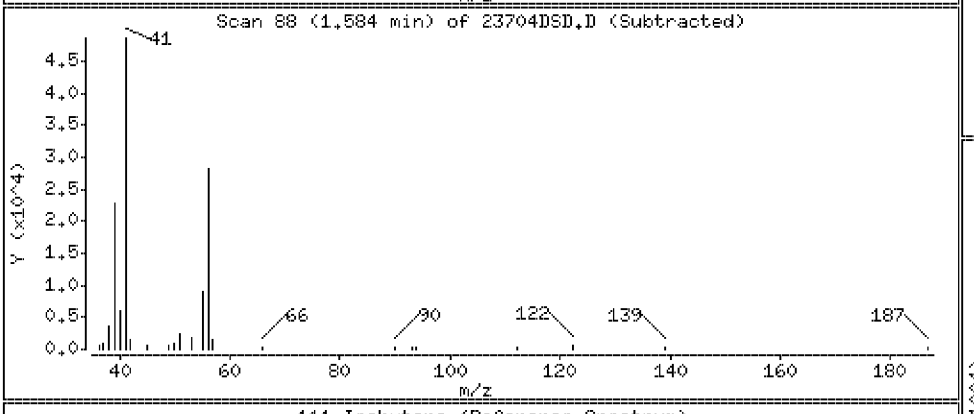
Column phase: RTX-502.2

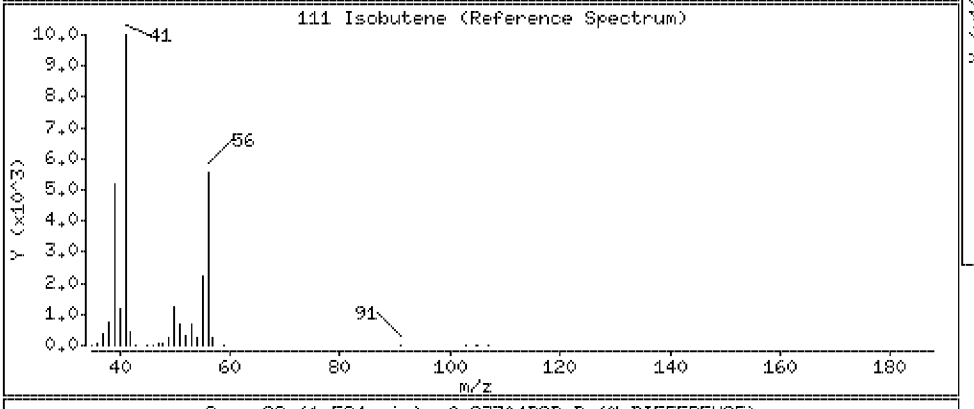
Column diameter: 0.18

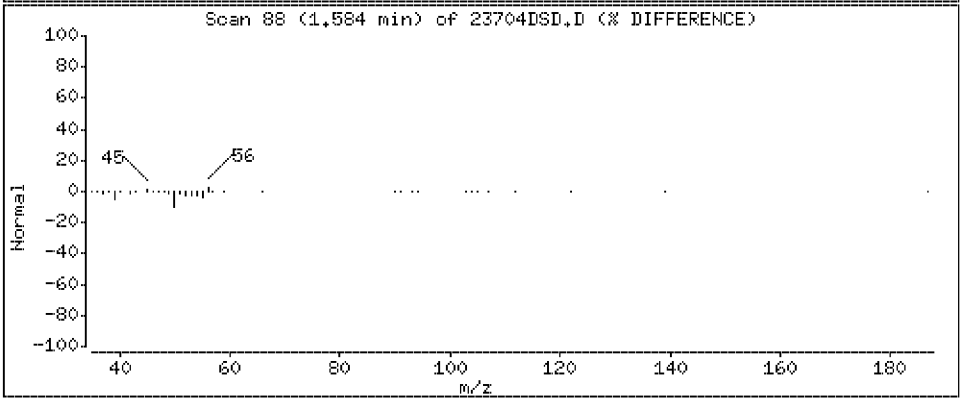
111 Isobutene

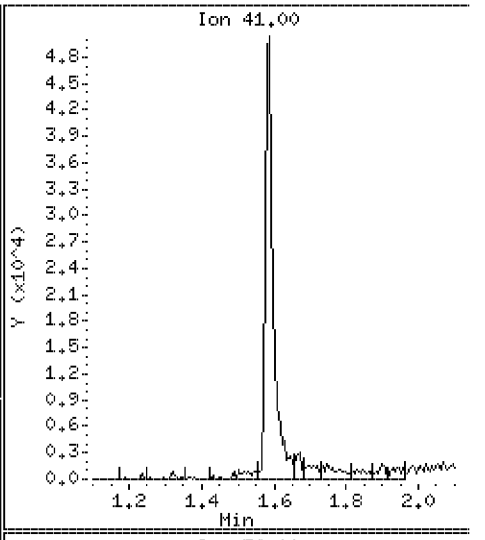
Concentration: 1250 ug/l

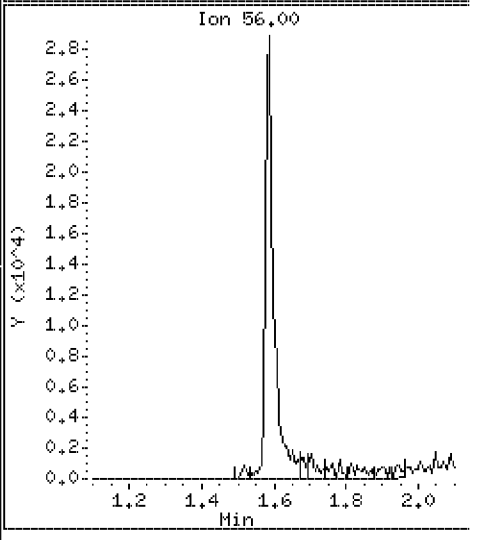












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

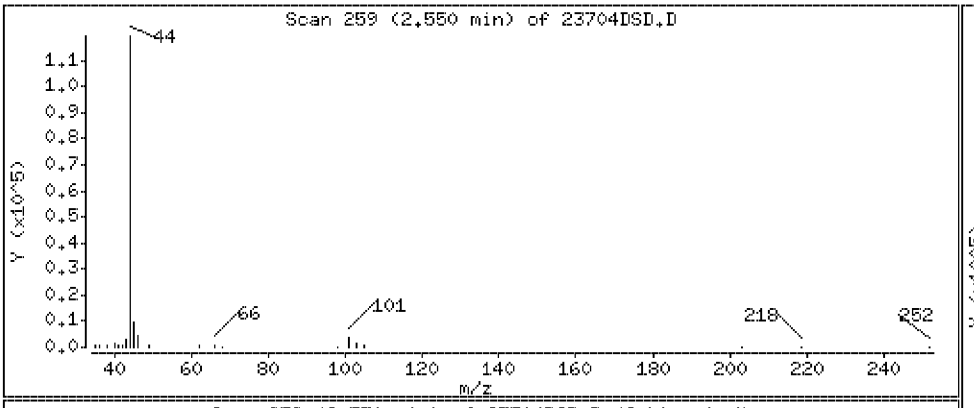
Operator:

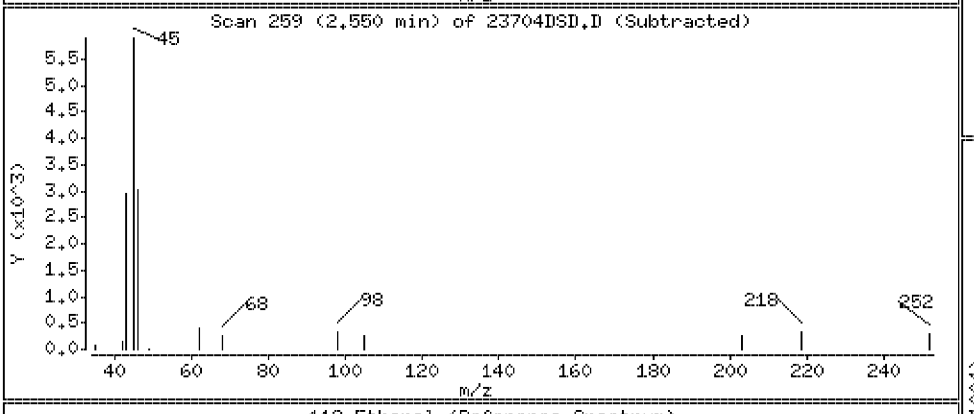
Column phase: RTX-502.2

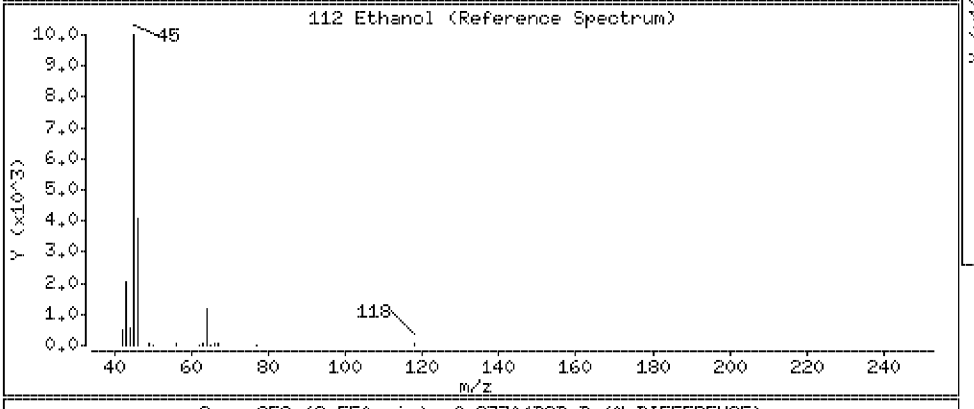
Column diameter: 0.18

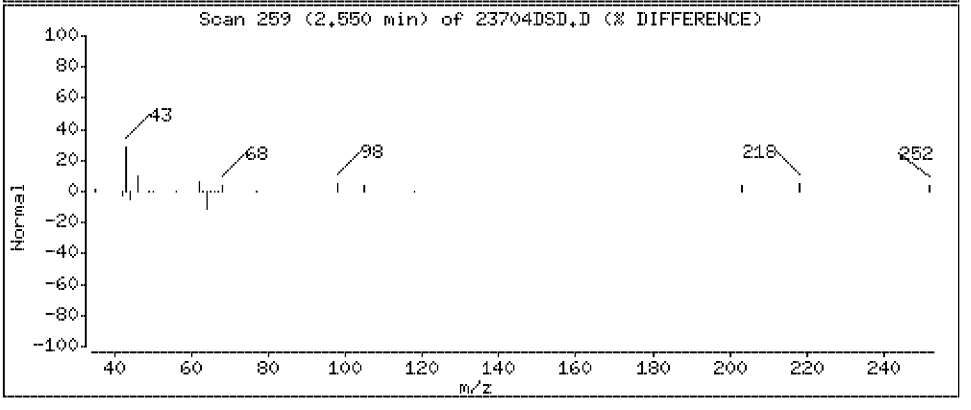
112 Ethanol

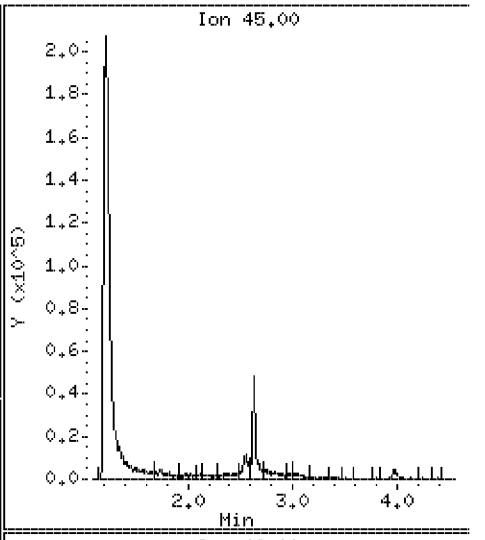
Concentration: 7800 ug/l

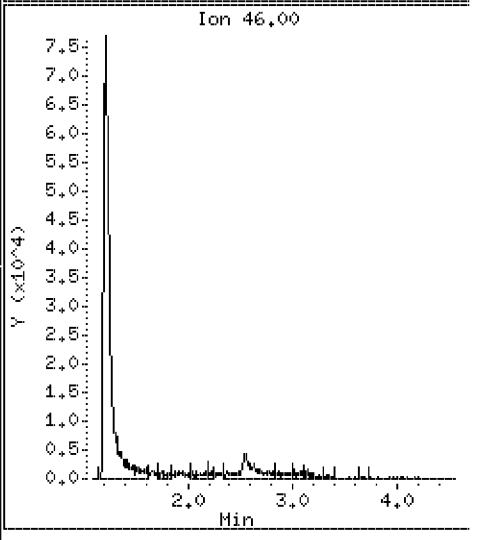












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

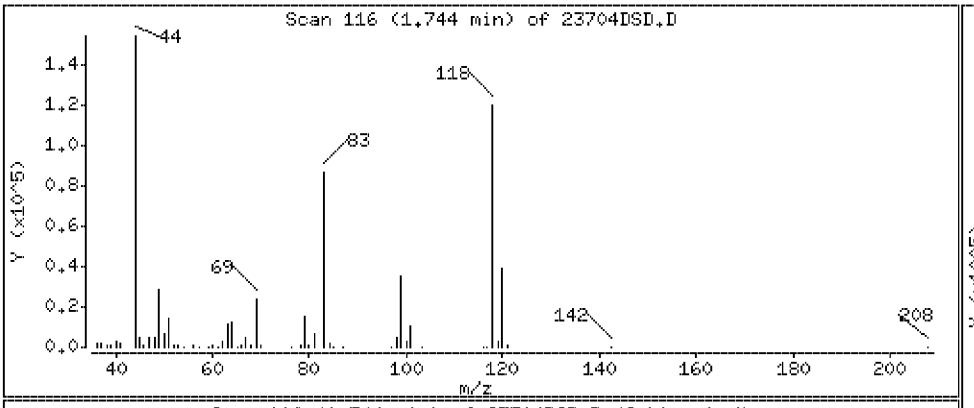
Operator:

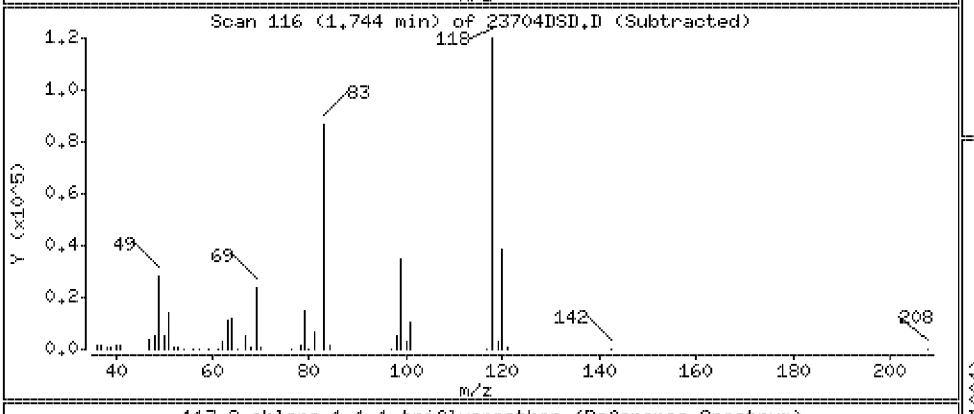
Column phase: RTX-502.2

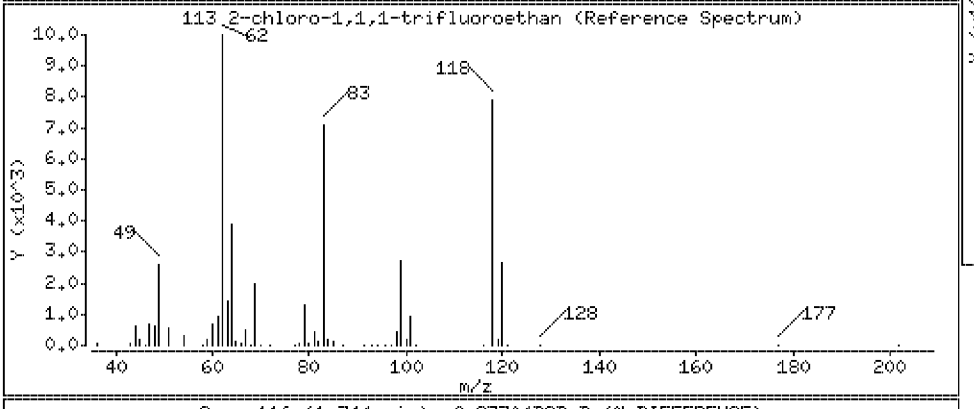
Column diameter: 0.18

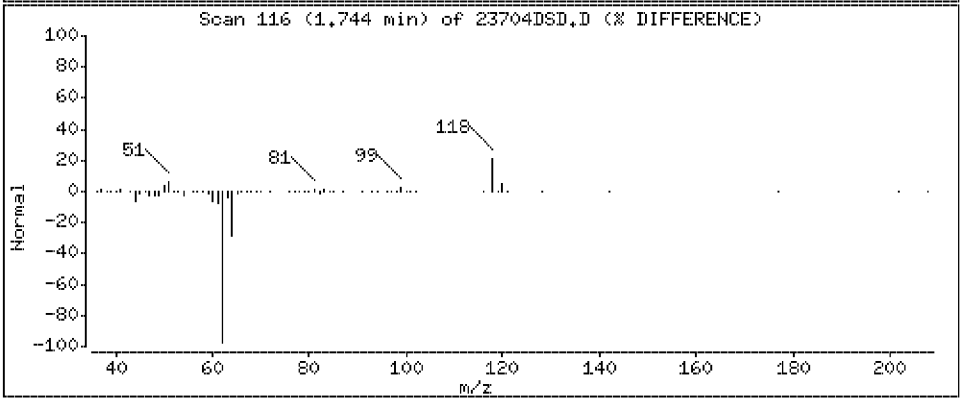
113 2-chloro-1,1,1-trifluoroethan

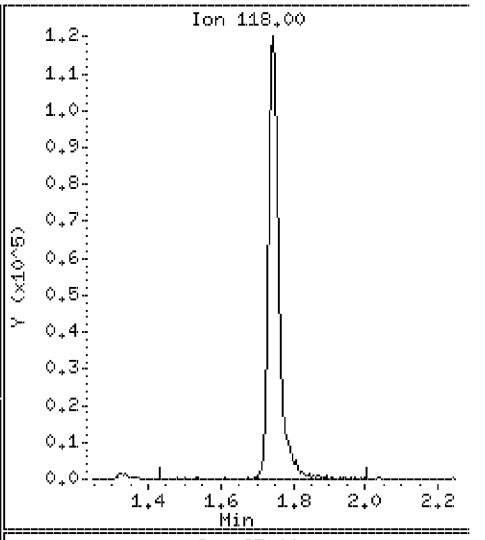
Concentration: 112 ug/l

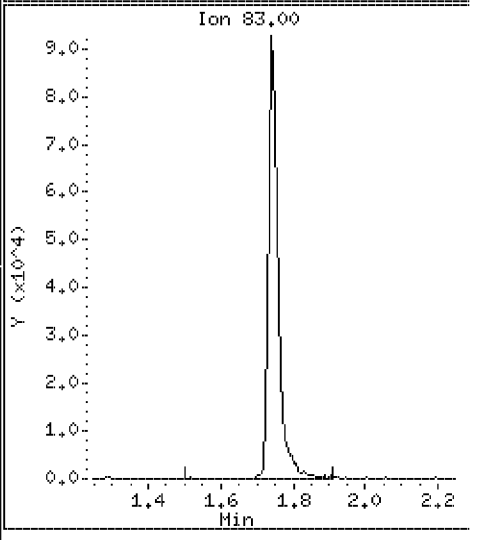












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

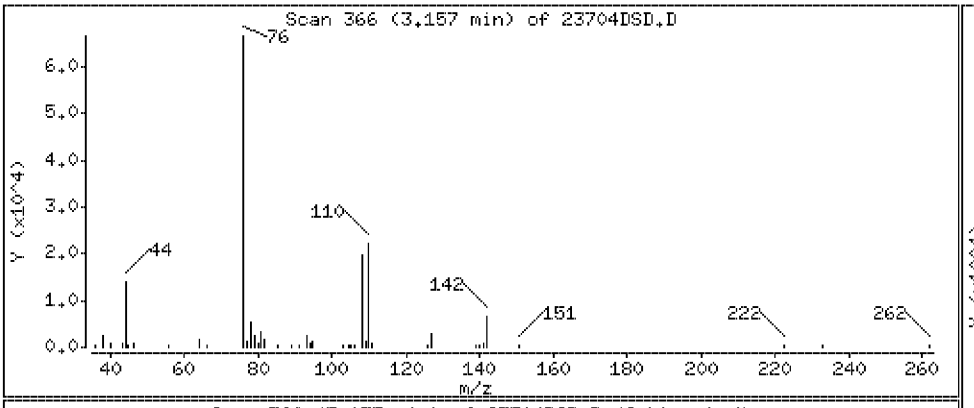
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

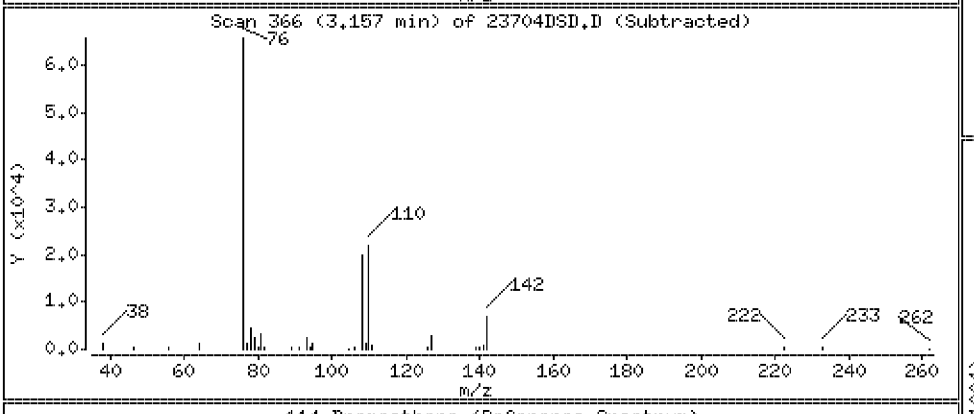
Sample Info: 350023704;3500237;5;

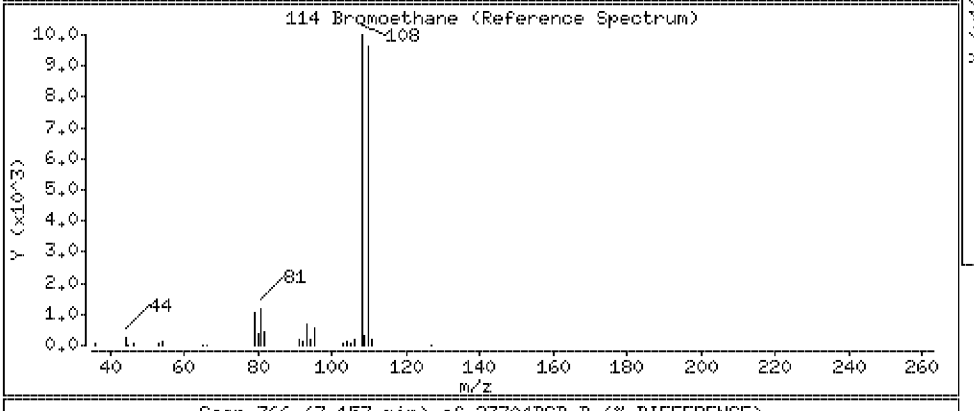
Purge Volume: 5.0 Operator:

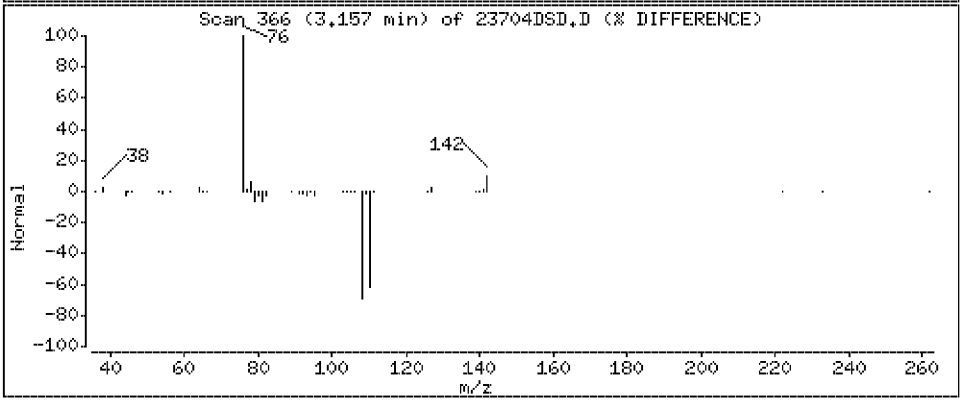
Column phase: RTX-502.2 Column diameter: 0.18

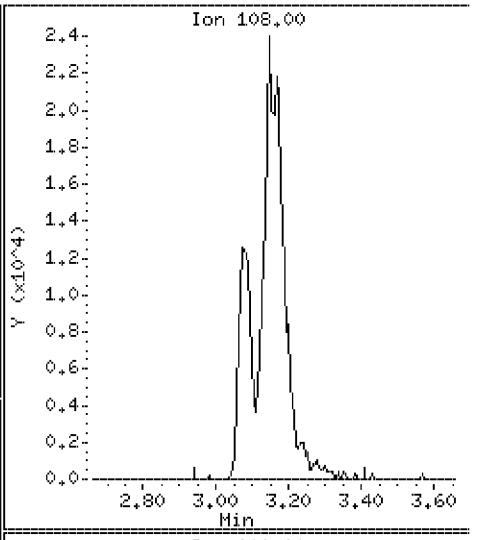
114 Bromoethane Concentration: 91.4 ug/l

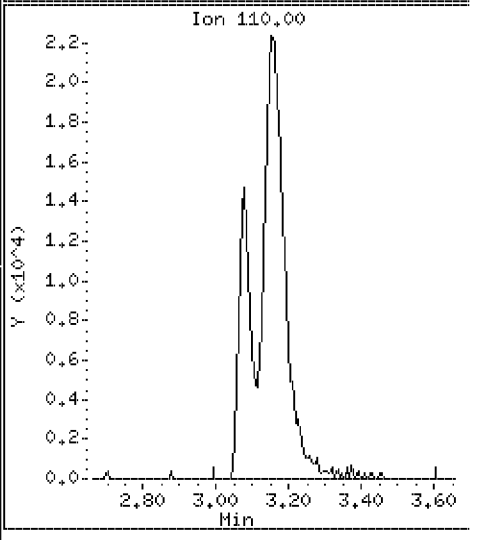












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

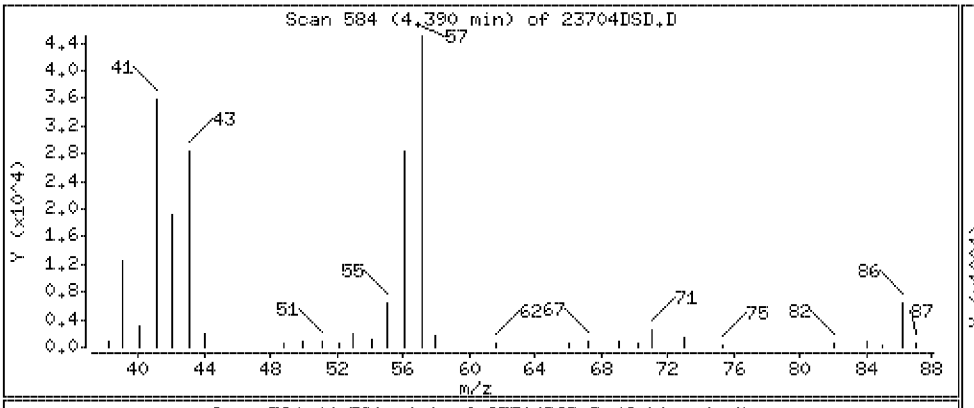
Operator:

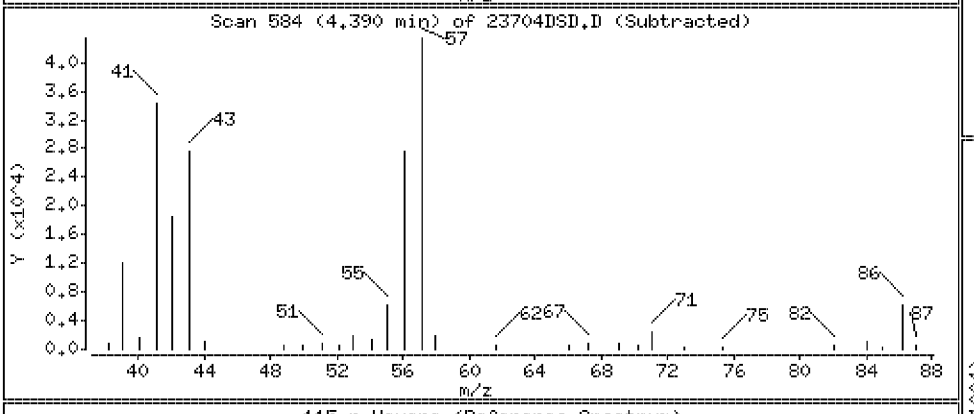
Column phase: RTX-502.2

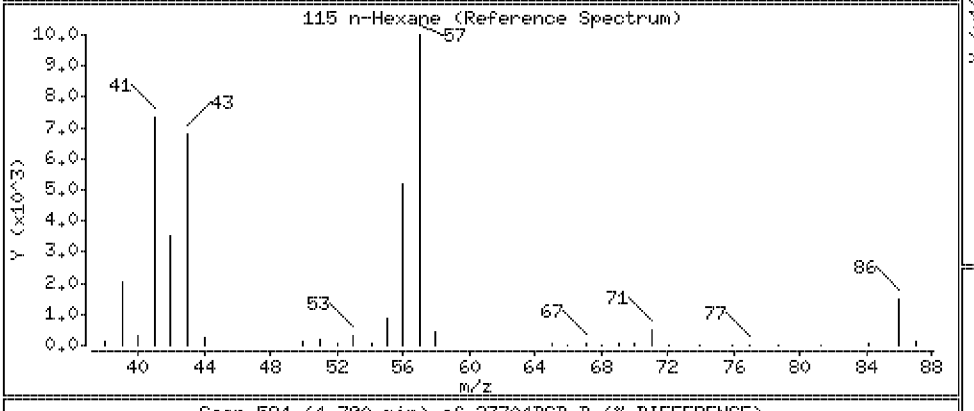
Column diameter: 0.18

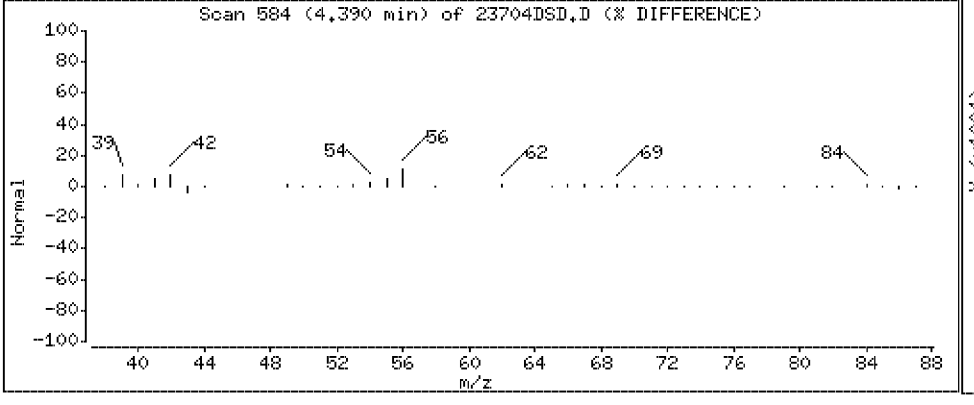
115 n-Hexane

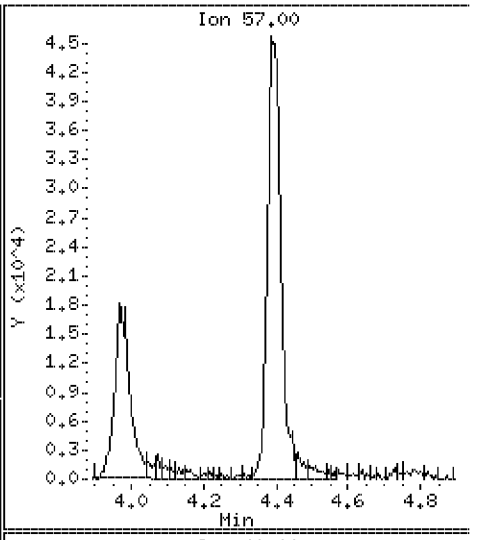
Concentration: 73.2 ug/l

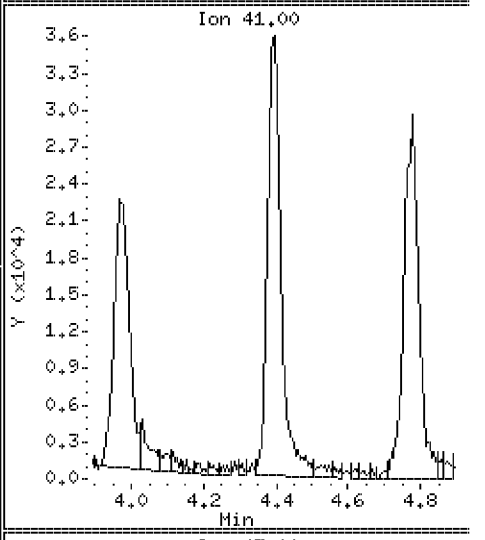


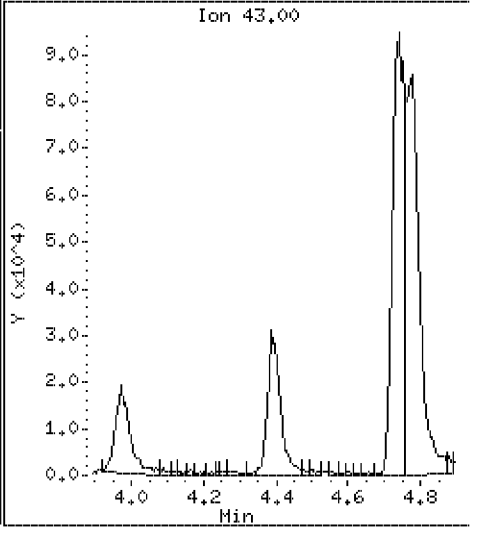












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

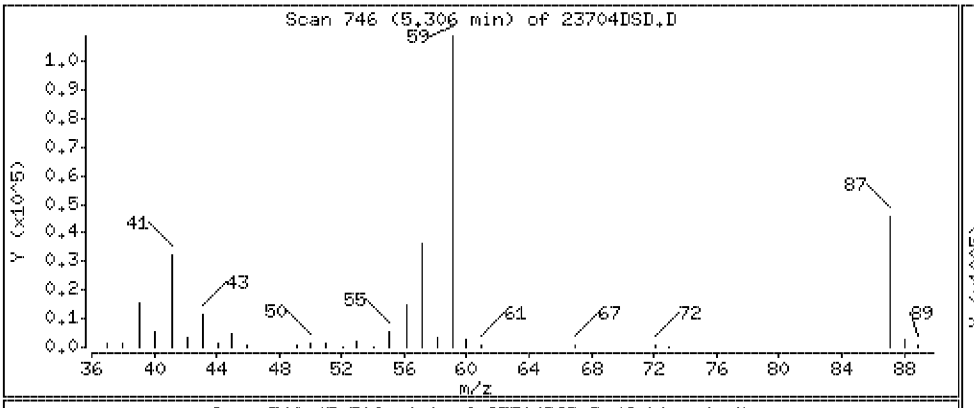
Operator:

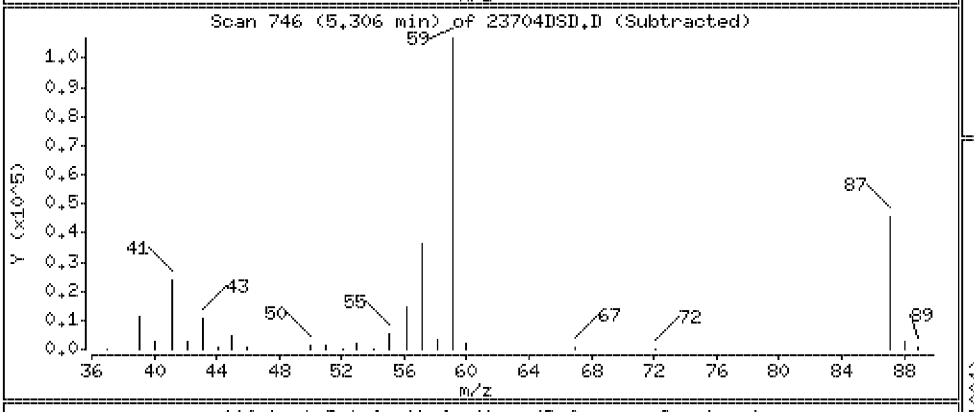
Column phase: RTX-502.2

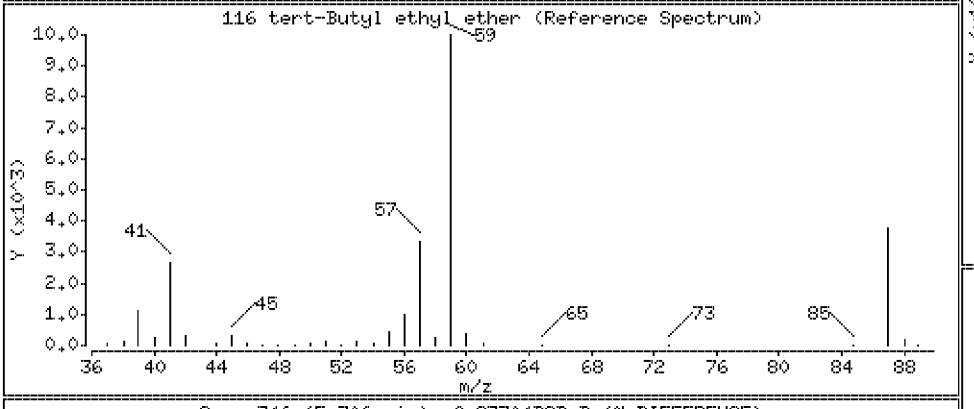
Column diameter: 0.18

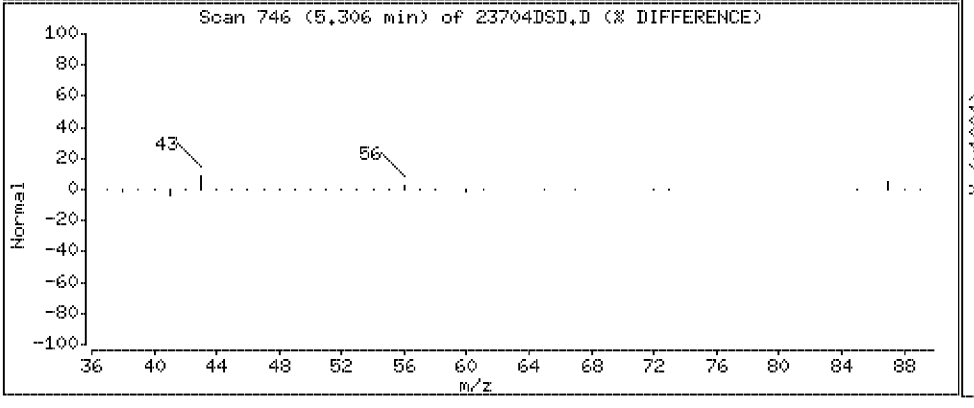
116 tert-Butyl ethyl ether

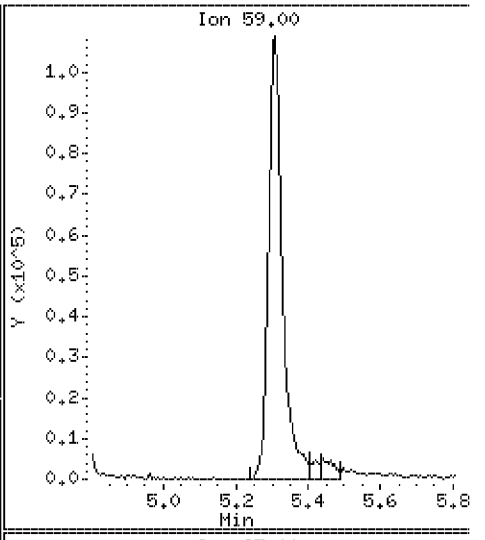
Concentration: 79.8 ug/l

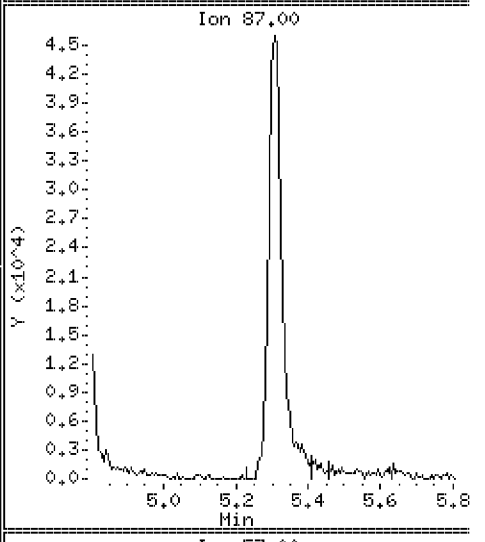


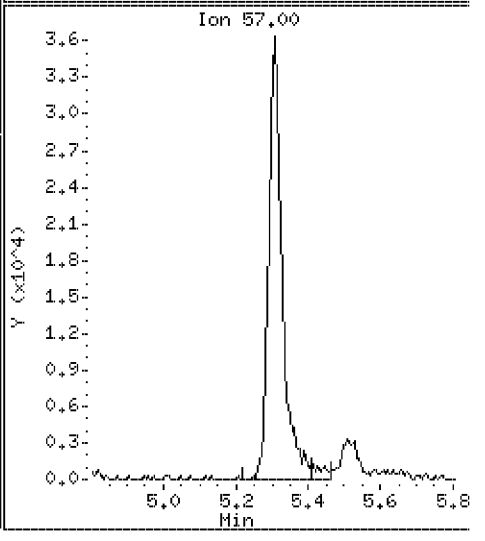












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

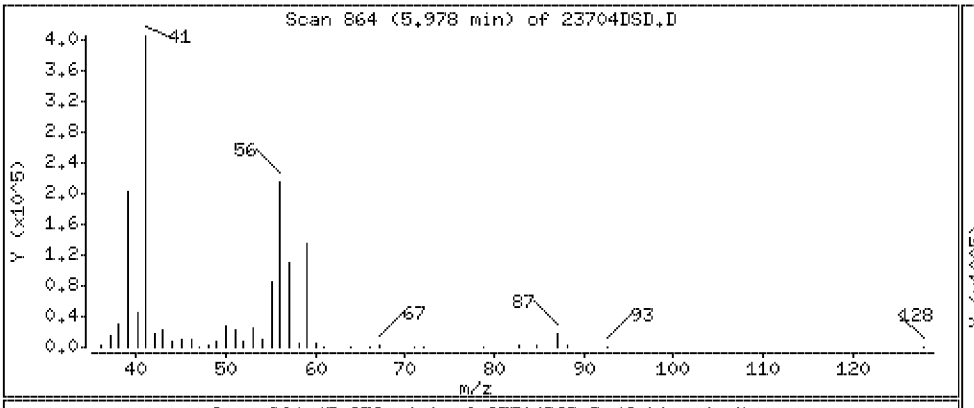
Operator:

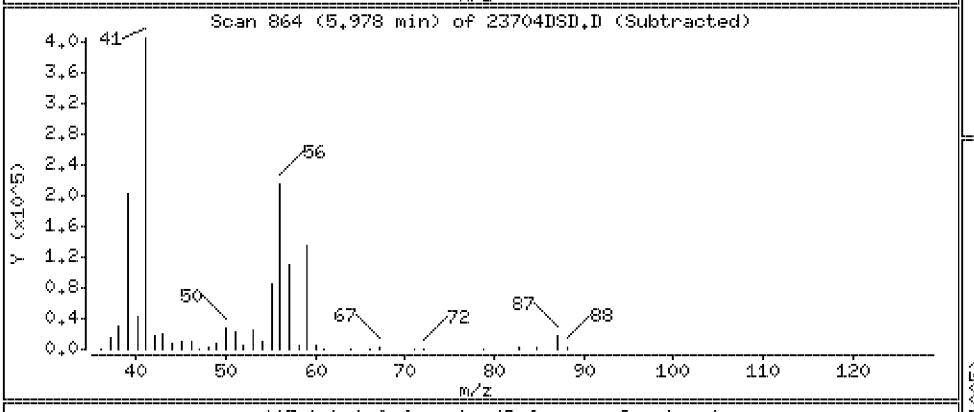
Column phase: RTX-502.2

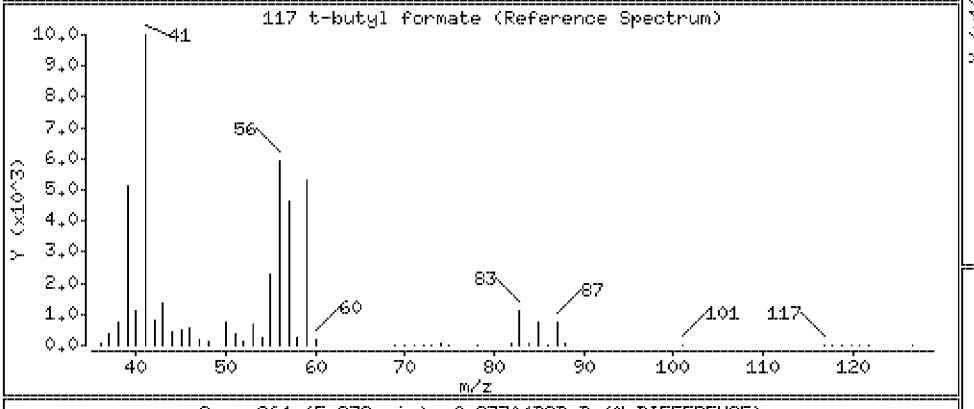
Column diameter: 0.18

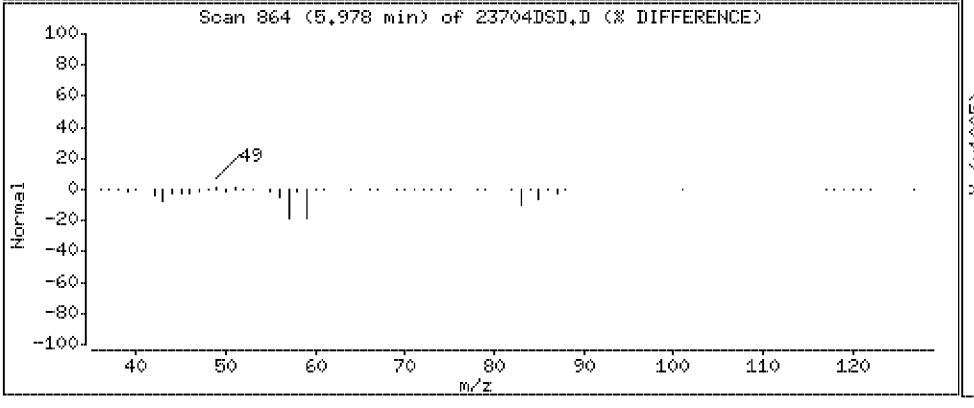
117 t-butyl formate

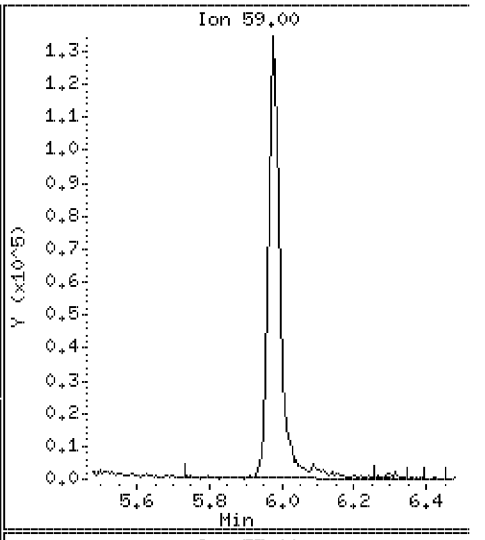
Concentration: 996 ug/l

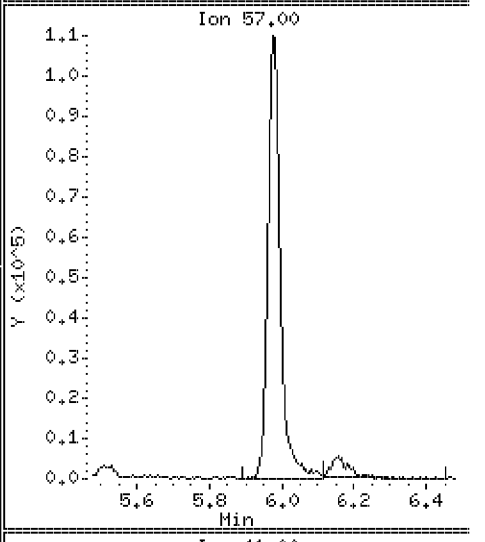


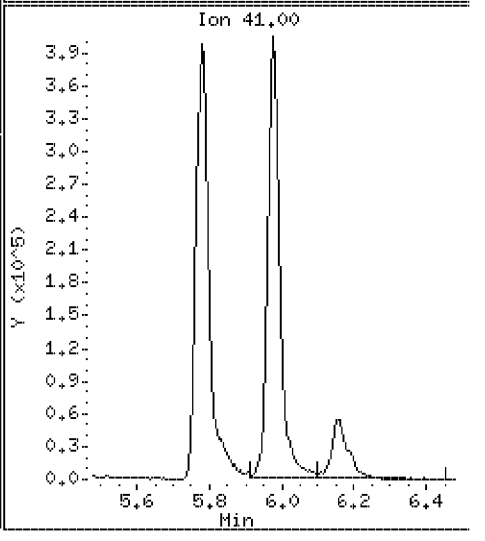












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

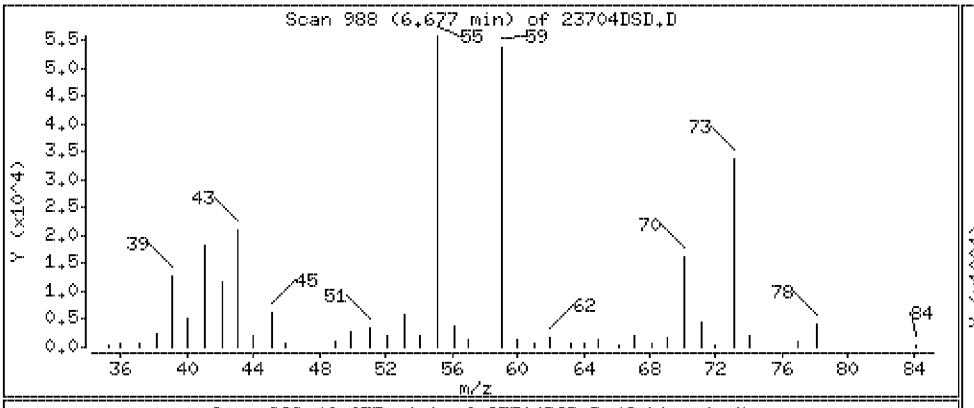
Client ID: ST106-MSD-10625-200 Instrument: vms03.i

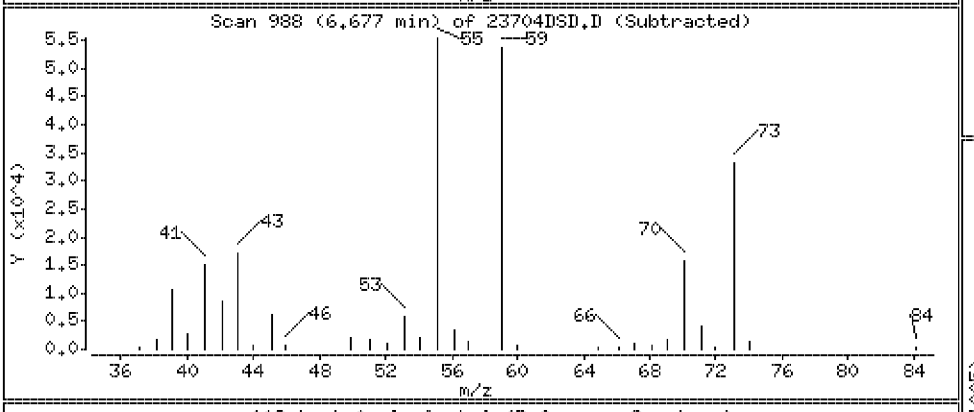
Sample Info: 350023704;3500237;5;

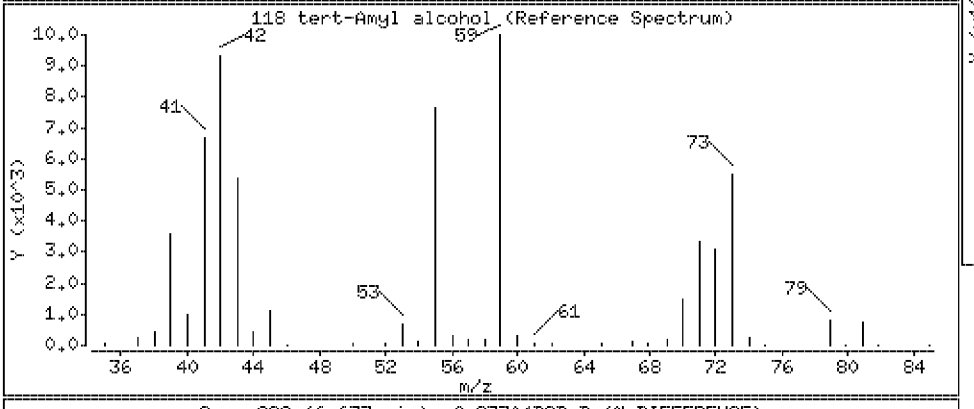
Purge Volume: 5.0 Operator:

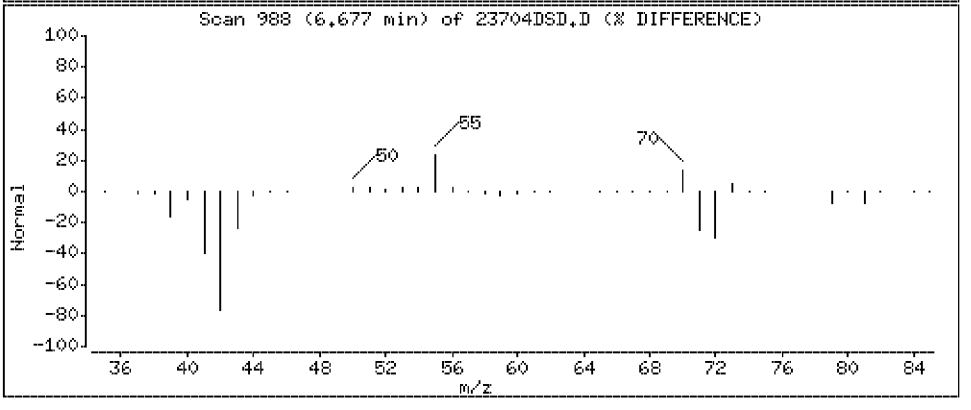
Column phase: RTX-502.2 Column diameter: 0.18

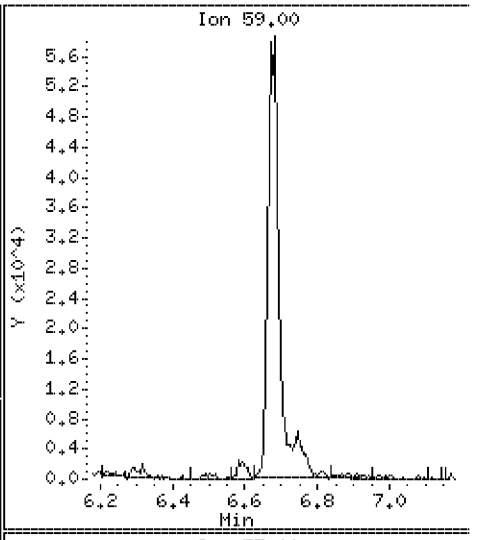
118 tert-Amyl alcohol Concentration: 1660 ug/l

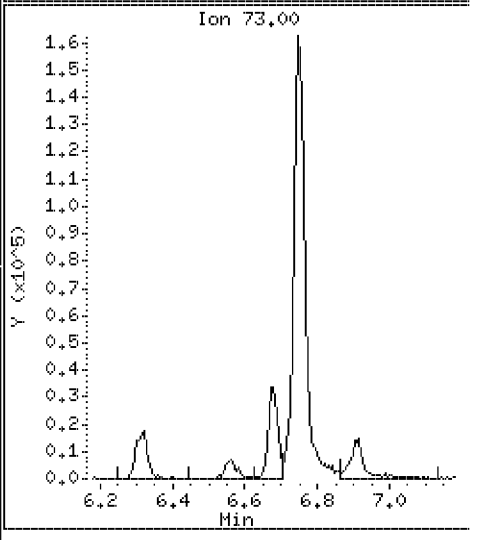












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

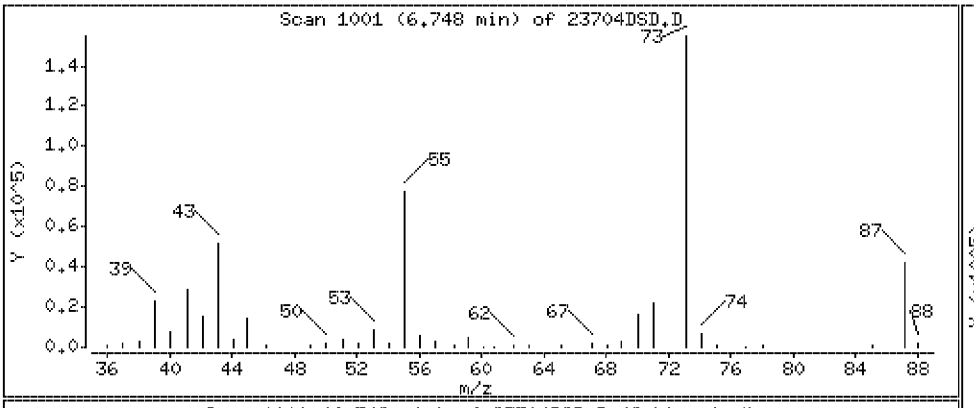
Operator:

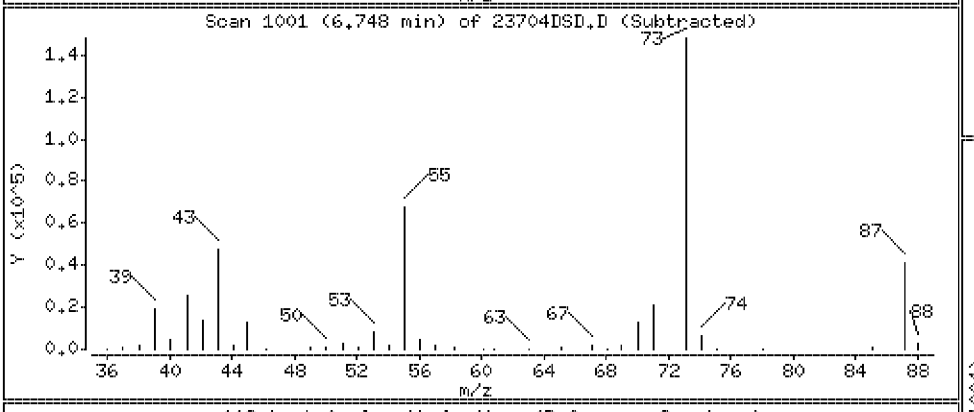
Column phase: RTX-502.2

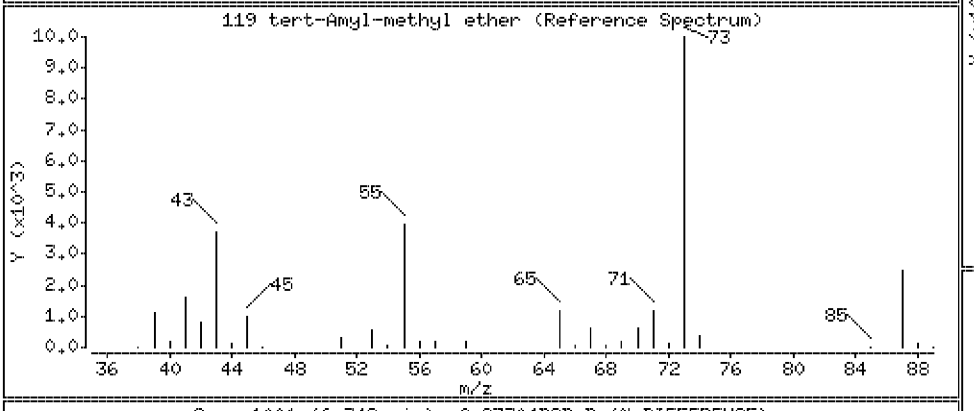
Column diameter: 0.18

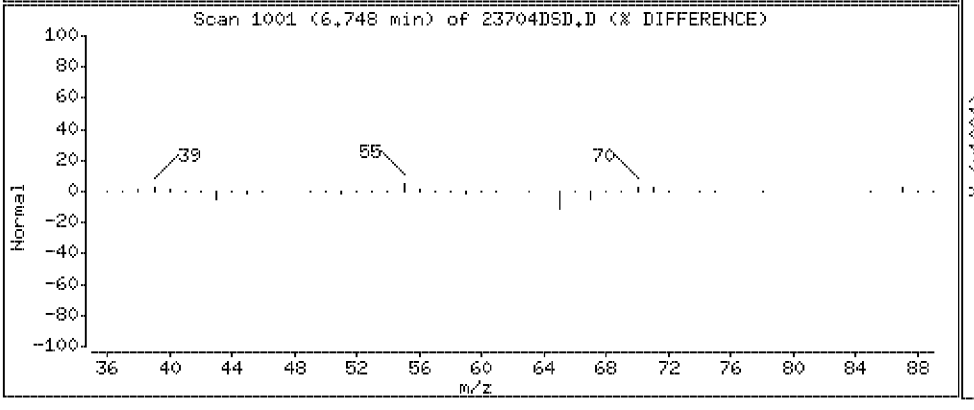
119 tert-Amyl-methyl ether

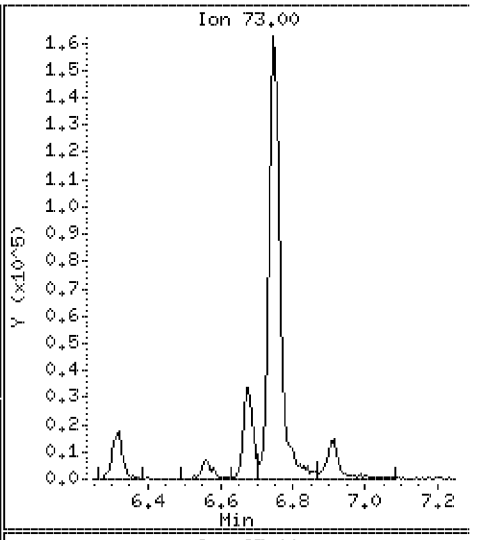
Concentration: 98.5 ug/l

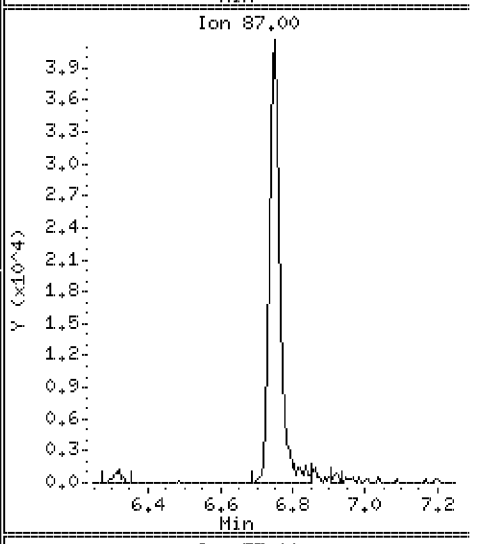


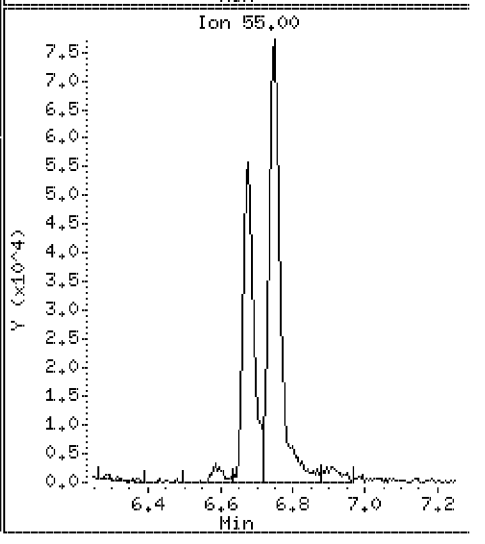












Data File: \\VMS03\DD\chem\vms03.i\M3072710N.b\23704DSD.D

Date : 27-JUL-2010 15:40

Client ID: ST106-MSD-10625-200

Instrument: vms03.i

Sample Info: 350023704;3500237;5;

Purge Volume: 5.0

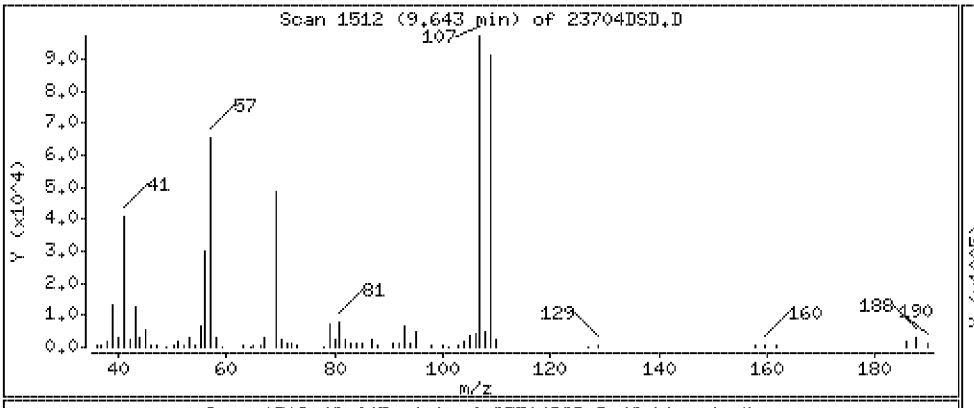
Operator:

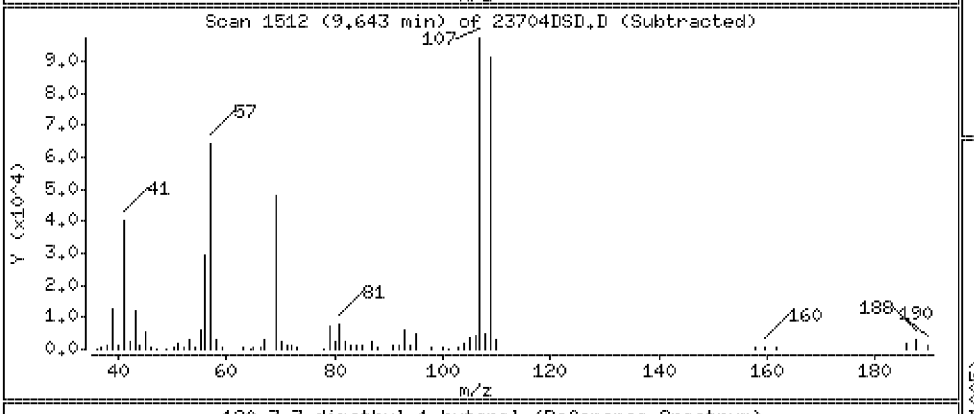
Column phase: RTX-502.2

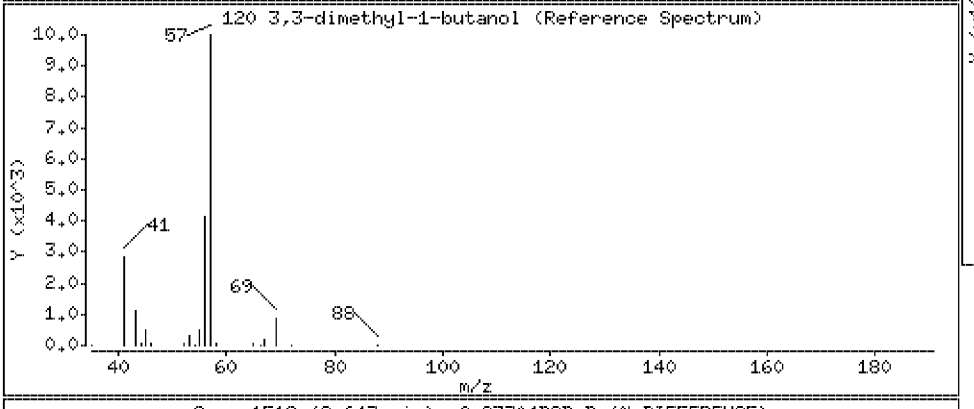
Column diameter: 0.18

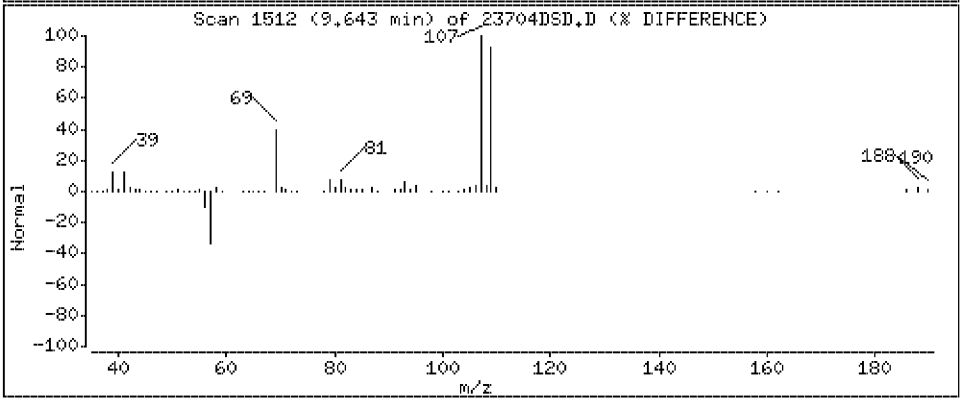
120 3,3-dimethyl-1-butanol

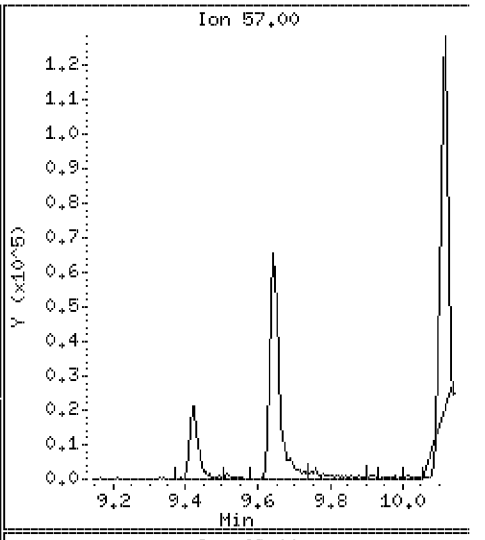
Concentration: 1570 ug/l

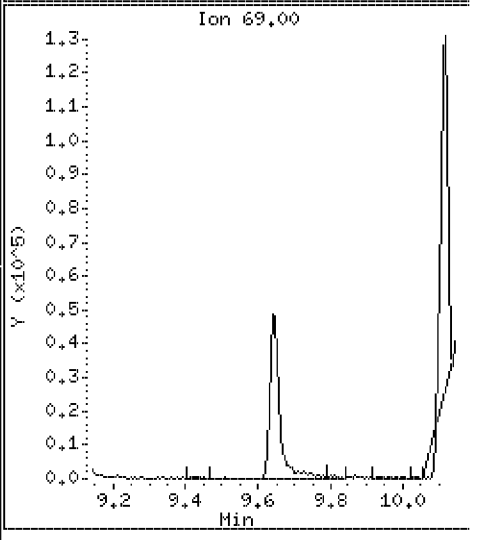












Raw Data Method 8015 GRO

VOLBTX VB050510WC KJ

1 RT
2 CAL 3
3 CAL 6
4 CAL 5
5 CAL 4
6 CAL 2
7 CAL 1
8 CAL 1R
9 SSC 1
10 SSC 2

GPOC
RT 29704, 30837
CAL 34055
QC 32752
IS 34058
Surr 32751
WATer 34050

VOLBTX VB072610 KJ 7-26-10 GROW

1	RT			RT 29704, 30837
2	CCV1			CAL 34055
3	LCS			QC 32752
4	LCSD			IS 34058
5	BLK1			SUR 35577
6	3500228	01	12	WATER 35641
7		02	7	
8		03	1	
9	3500237	01	14	
10		02	4	
11		05	5	
14	3500179	01	500X 4	
15	CCV2			
16	3500237	06	2	
17	3500248	01	14	
18		02	12	
19		03	2	
20	3500264	01	11	
21		02	1	
22		03	2	
23	3500237	03MS	2	
24		04 MSD	15	
25	CCV3			
26	CCV4			
27				

Chromatograms reviewed 7/27/10

21

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
27299	GRO_QC	Restek	A054303	9/1/2014	1 ML	1/22/2009	lpelo
2500 UG/ML: TPH >C6-C10							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
28827	GRO_IS	Accu Standard	B3040356	4/30/2013	1 UG/	5/18/2009	lpelo
2000 UG/ML: Fluorobenzene							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29704	RTcheck3	ChemService	428-32A	7/31/2010	5 ml	7/9/2009	ksiuda
100 UG/ML: 2-Methylpentane							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30415	GRO_SUR	AccuStandard	B4030353	4/2/2014	1 ML	8/21/2009	ksiuda
2000 UG/ML: Chlorobenzene							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30837	RTcheck4	ACCUSTD	B2020233	9/22/2010	1 ML	9/22/2009	lpelo
2000 UG/ML: 1,2,4-Trimethylbenzene							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31049	GRO_SUR	AccuStandard	B4030353	4/2/2014	1 ML	9/29/2009	ksiuda
2000 UG/ML: Chlorobenzene							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32148	MethanolP&Tgrade	Fisher	091688	12/18/2010	500 ML	12/18/2009	ksiuda
: Methanol							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32751	GRO_INT_SURR			8/8/2010	10 ML	2/8/2010	ksiuda
UG/ML: Methanol 200 UG/ML: Chlorobenzene							
COMPOSED OF:							
30415: 1 ML 32148: 9 ML							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32752	GRO_INT_QC			8/8/2010	10 ML	2/8/2010	ksiuda
UG/ML: Methanol 250 UG/ML: TPH >C6-C10							
COMPOSED OF:							
27299: 1 ML 32148: 9 ML							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
33567	MethanolP&Tgrade	Fisher	091688	4/5/2011	500 ML	4/5/2010	ksiuda
: Methanol							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
33568	MethanolP&Tgrade	Fisher	096181	4/5/2011	500 ML	4/5/2010	ksiuda
: Methanol							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
33788	GRO CAL STD	Ultra Scientific	CB-1590A	9/30/2012	1 ML	4/15/2010	lpelo

2500 UG/ML: TPH >C6-C10

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34050	PEL Deionized Water	Feedwater Solution	042810	4/28/2011	100 L	4/28/2010	lpelo

: Water

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34055	GRO_INT_CAL			10/15/2010	10 ML	4/15/2010	lpelo

ug/L: Methanol
200000 ug/L: TPH >C6-C10

COMPOSED OF:

33567: 9.2 ML 33788: 800 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34058	GRO_IS			10/28/2010	10 ML	4/28/2010	lpelo

ug/L: Methanol
200000 ug/L: Fluorobenzene

COMPOSED OF:

28827: 1 ML 33568: 9 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34551	MethanolP&Tgrade	Fisher	096181	5/21/2011	500 ML	5/21/2010	ksiuda

: Methanol

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35577	GRO_INT_SURR			1/13/2011	10 ML	7/13/2010	ksiuda

UG/ML: Methanol
200 UG/ML: Chlorobenzene

COMPOSED OF:

31049: 1 ML 34551: 9 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35641	PEL Deionized Water	Feedwater Solution	030110	8/16/2010	100 L	7/16/2010	cabadia

: Water

PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB050510WC.b\CAL1R.D
Lab Smp Id: CAL1R Client Smp ID: CAL1R
Inj Date : 05-MAY-2010 12:43
Operator : KS Inst ID: volbtx.i
Smp Info : CAL1R
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Meth Date : 16-Jul-2010 09:56 lpelo Quant Type: ISTD
Cal Date : 05-MAY-2010 12:43 Cal File: CAL1R.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S	1 TPH	6.263	11.978		250829	0.04000	0.057(M)
*	2 Fluorobenzene	8.561	8.551	(1.000)	1610325	0.20000	
$	6 Chlorobenzene	10.676	10.660	(1.247)	333637	0.04000	0.055(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: CAL1R.D
Lab Smp Id: CAL1R
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: CAL1R
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1610325	-19.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.56	0.20

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB050510WC.b\CAL1R.D

Date : 05-MAY-2010 12:43

Client ID: CAL1R

Instrument: volbtx.i

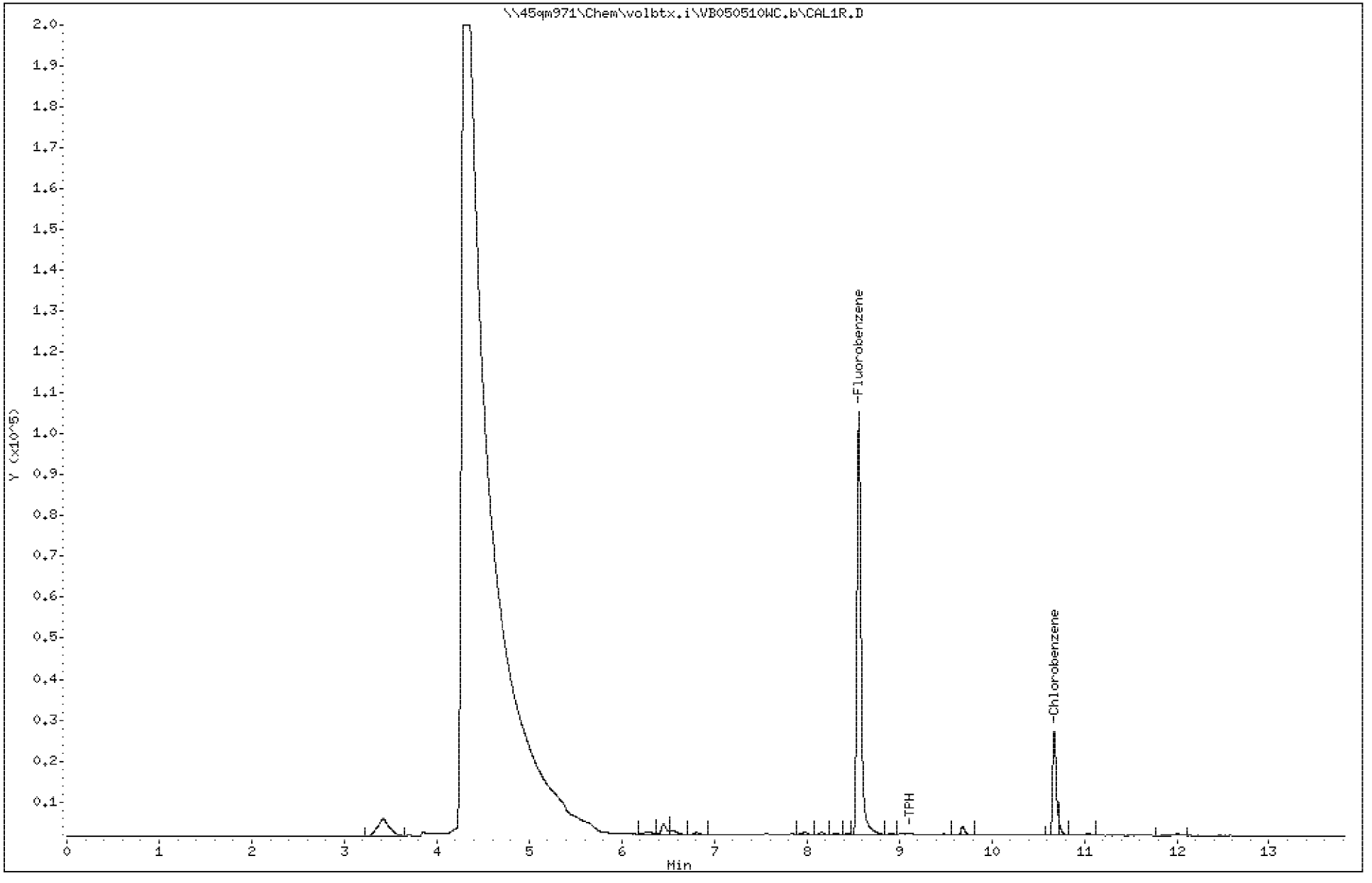
Sample Info: CAL1R

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB050510WC.b\CAL2.D
Lab Smp Id: CAL2 Client Smp ID: CAL2
Inj Date : 05-MAY-2010 11:54
Operator : KS Inst ID: volbtx.i
Smp Info : CAL2
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Meth Date : 16-Jul-2010 09:56 lpelo Quant Type: ISTD
Cal Date : 05-MAY-2010 11:54 Cal File: CAL2.D
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	REL RT	RESPONSE	(mg/L)	(mg/L)
S 1 TPH	6.263	11.978		1217126	0.20000	0.22(M)
* 2 Fluorobenzene	8.558	8.551	(1.000)	1649165	0.20000	
$ 6 Chlorobenzene	10.673	10.660	(1.247)	721892	0.10000	0.098(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: CAL2.D
Lab Smp Id: CAL2
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: CAL2
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1649165	-17.83

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.56	0.17

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB050510WC.b\CAL2.D

Date : 05-MAY-2010 11:54

Client ID: CAL2

Instrument: volbtx.i

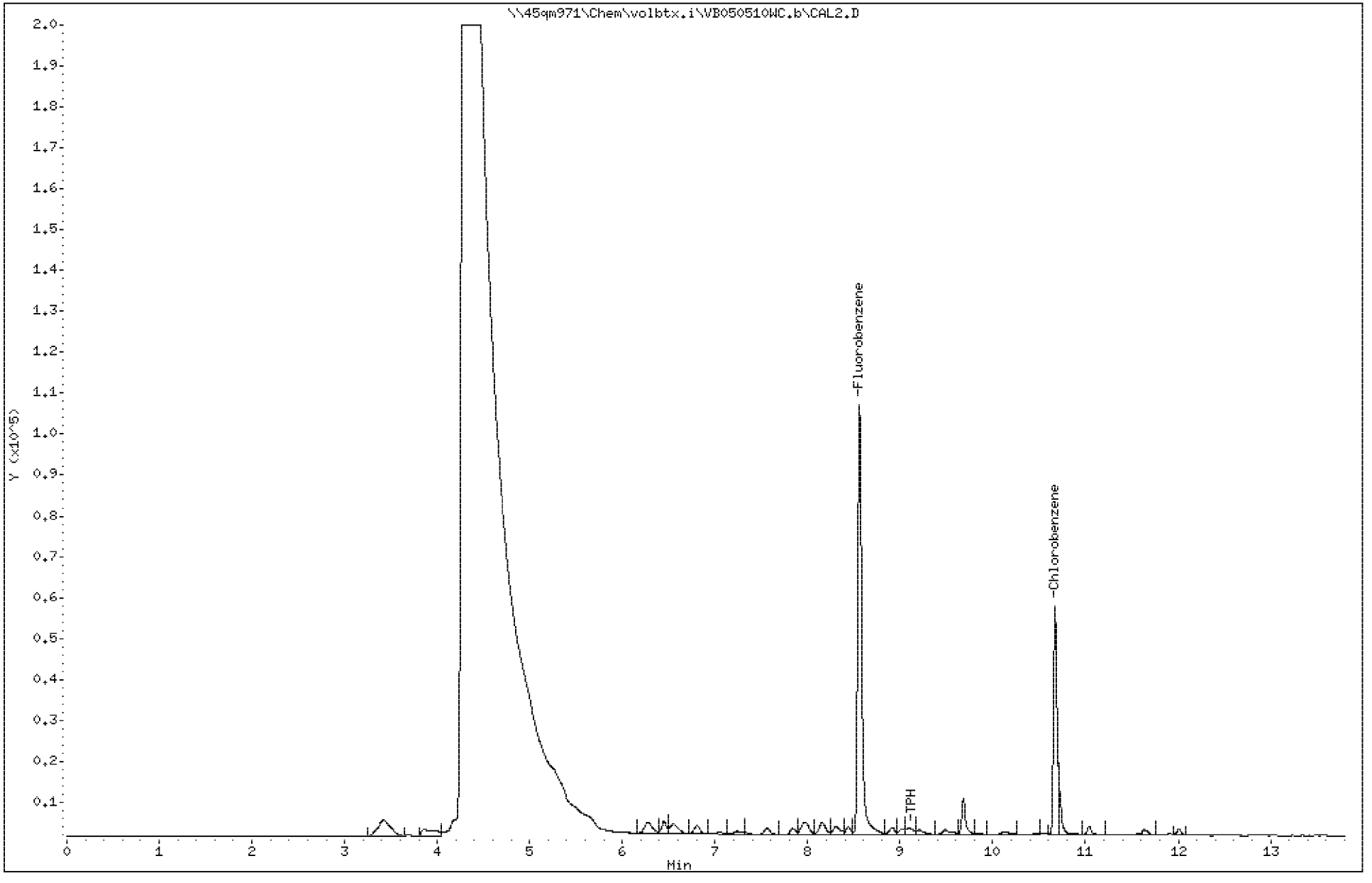
Sample Info: CAL2

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB050510WC.b\CAL3.D
Lab Smp Id: CAL3 Client Smp ID: CAL3
Inj Date : 05-MAY-2010 08:55
Operator : KS Inst ID: volbtx.i
Smp Info : CAL3
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Meth Date : 16-Jul-2010 09:56 lpelo Quant Type: ISTD
Cal Date : 05-MAY-2010 08:55 Cal File: CAL3.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)	
S	1 TPH	6.263	11.978		2748791	0.50000		(aM)
*	2 Fluorobenzene	8.544	8.551	(1.000)	2007119	0.20000		
$	6 Chlorobenzene	10.653	10.660	(1.247)	1509299	0.20000		(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: CAL3.D
Lab Smp Id: CAL3
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: CAL3
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	2007119	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.54	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB050510WC.b\CAL3.D

Date : 05-MAY-2010 08:55

Client ID: CAL3

Instrument: volbtx.i

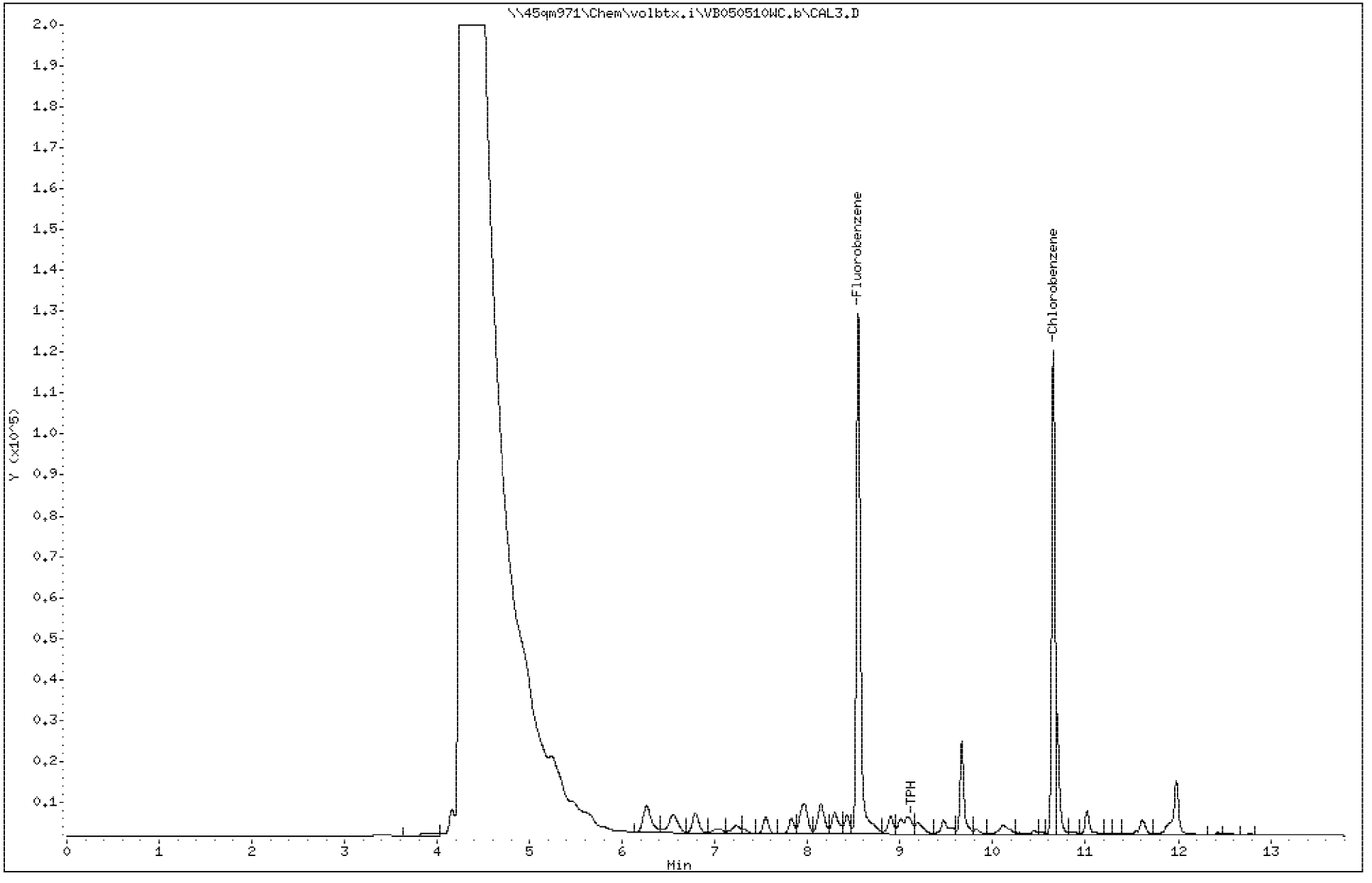
Sample Info: CAL3

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB050510WC.b\CAL4.D
Lab Smp Id: CAL4 Client Smp ID: CAL4
Inj Date : 05-MAY-2010 11:30
Operator : KS Inst ID: volbtx.i
Smp Info : CAL4
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Meth Date : 16-Jul-2010 09:56 lpelo Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 TPH	6.263	11.978		4827213	1.00000	0.90(M)
* 2 Fluorobenzene	8.554	8.551	(1.000)	1566971	0.20000	
$ 6 Chlorobenzene	10.666	10.660	(1.247)	2744008	0.40000	0.39(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: CAL4.D
Lab Smp Id: CAL4
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: CAL4
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1566971	-21.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.55	0.11

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB050510WC.b\CAL4.D

Date : 05-MAY-2010 11:30

Client ID: CAL4

Instrument: volbtx.i

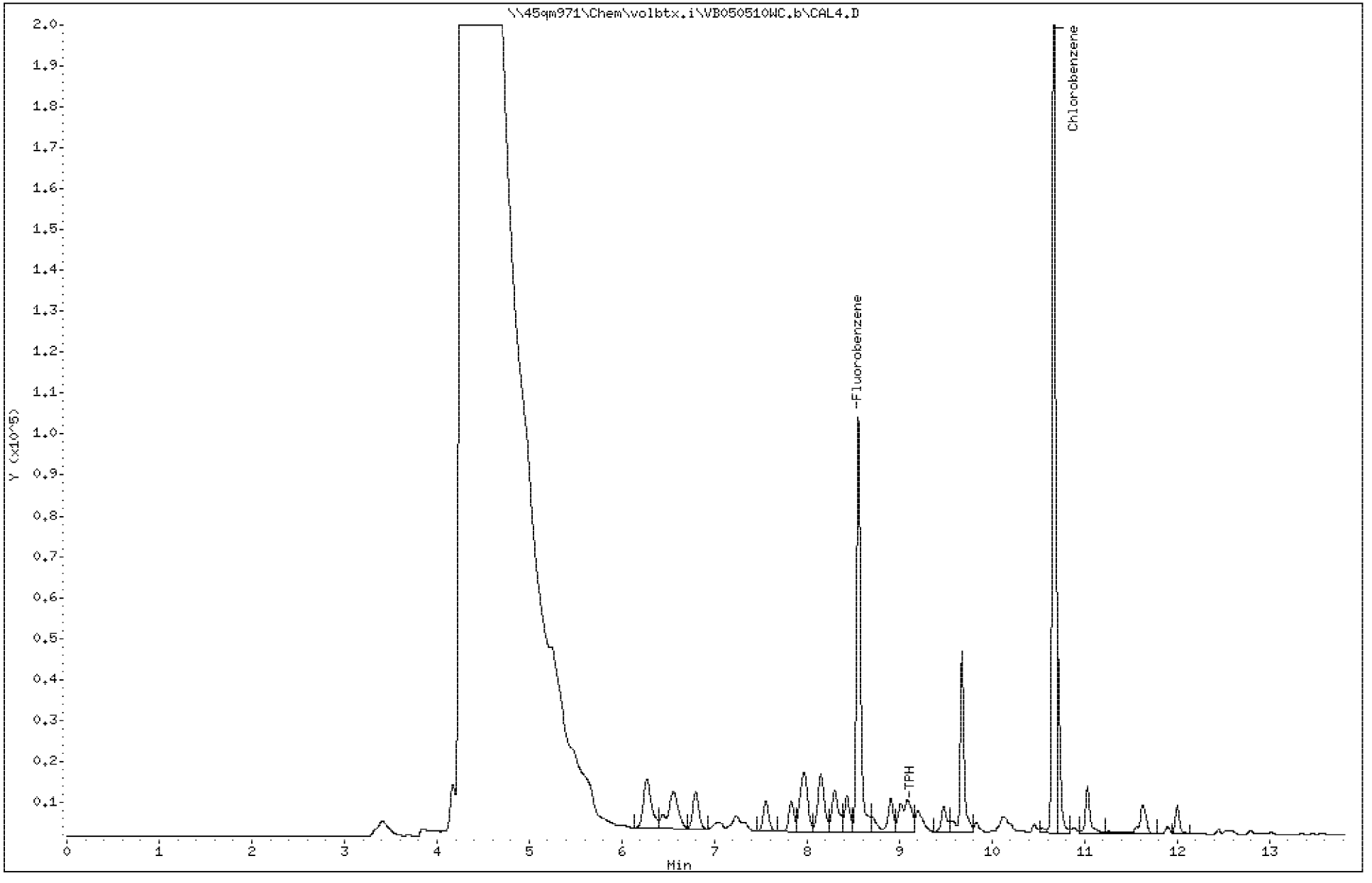
Sample Info: CAL4

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB050510WC.b\CAL5.D
Lab Smp Id: CAL5 Client Smp ID: CAL5
Inj Date : 05-MAY-2010 11:06
Operator : KS Inst ID: volbtx.i
Smp Info : CAL5
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Meth Date : 16-Jul-2010 09:56 lpelo Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 TPH	6.263	11.978		8037254	1.50000	1.6(M)
* 2 Fluorobenzene	8.549	8.551	(1.000)	1464613	0.20000	
$ 6 Chlorobenzene	10.660	10.660	(1.247)	4111187	0.60000	0.63(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: CAL5.D
Lab Smp Id: CAL5
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: CAL5
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1464613	-27.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.55	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB050510WC.b\CAL5.D

Date : 05-MAY-2010 11:06

Client ID: CAL5

Instrument: volbtx.i

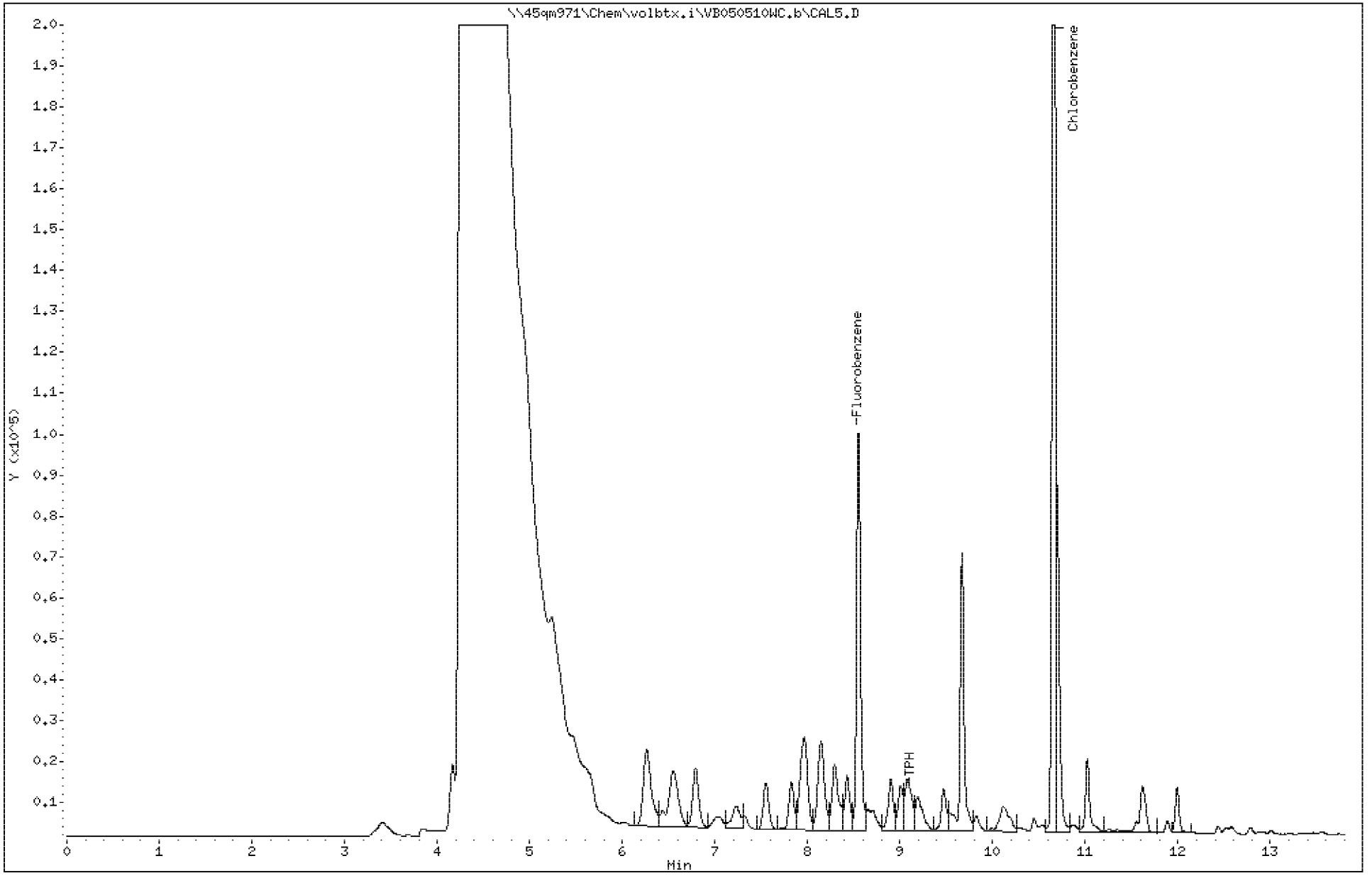
Sample Info: CAL5

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB050510WC.b\CAL6.D
Lab Smp Id: CAL6 Client Smp ID: CAL6
Inj Date : 05-MAY-2010 10:41
Operator : KS Inst ID: volbtx.i
Smp Info : CAL6
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Meth Date : 16-Jul-2010 09:56 lpelo Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S	1 TPH	6.263-	11.978		11840945	2.00000	2.2(AM)
*	2 Fluorobenzene	8.551	8.551	(1.000)	1555593	0.20000	
$	6 Chlorobenzene	10.660	10.660	(1.247)	5490822	0.80000	0.79(M)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: CAL6.D
Lab Smp Id: CAL6
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: CAL6
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1555593	-22.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.55	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB050510WC.b\CAL6.D

Date : 05-MAY-2010 10:41

Client ID: CAL6

Instrument: volbtx.i

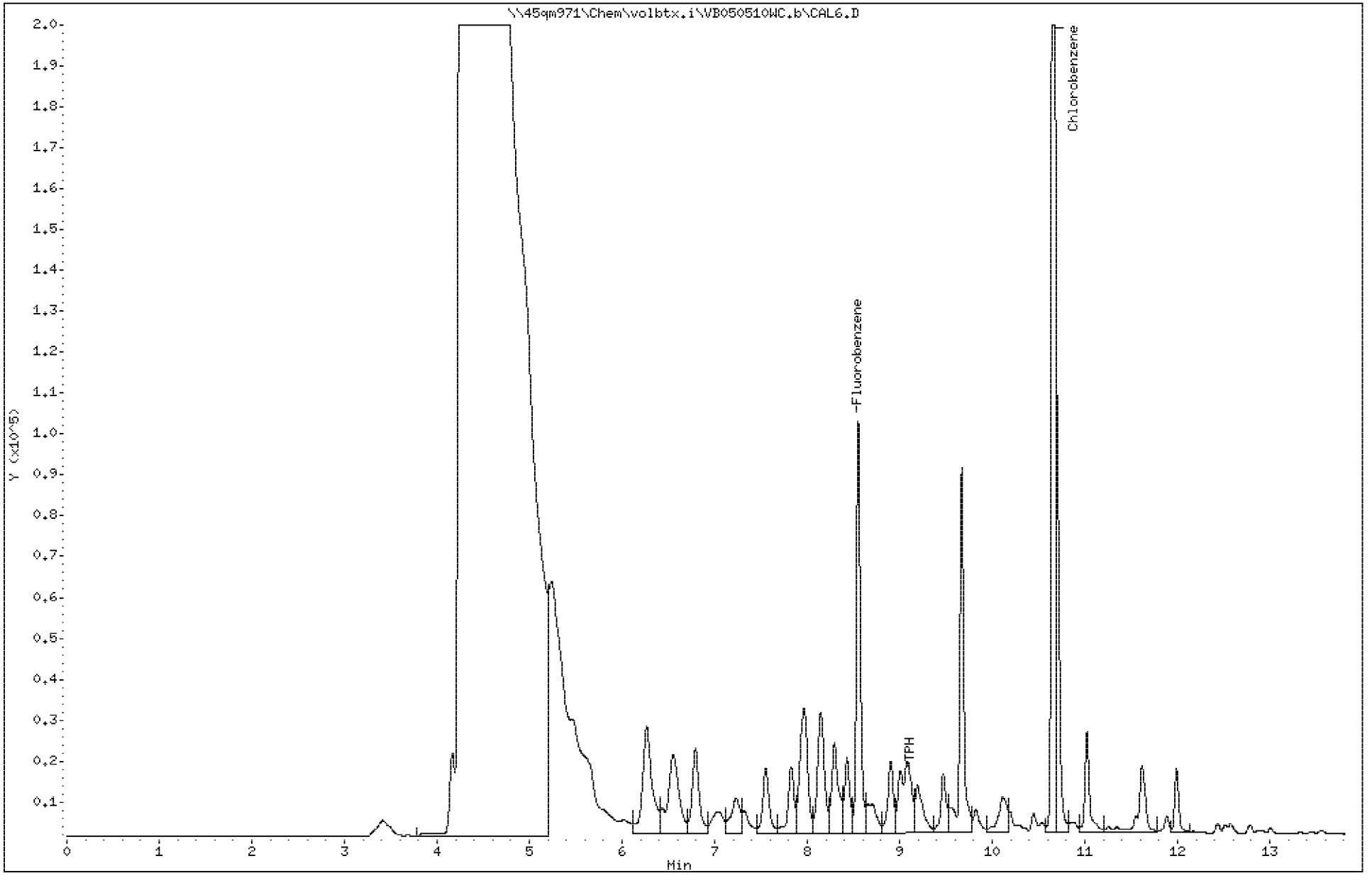
Sample Info: CAL6

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB050510WC.b\SSC2.D
Lab Smp Id: SSC2 Client Smp ID: SSC2
Inj Date : 05-MAY-2010 14:29
Operator : KS Inst ID: volbtx.i
Smp Info : SSC2
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Meth Date : 16-Jul-2010 09:56 lpelo Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 1 QC Sample: SSC
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
S	1 TPH	6.263	11.978		3004502	0.43162	0.43(M)
*	2 Fluorobenzene	8.558	8.551	(1.000)	2001402	0.20000	
$	6 Chlorobenzene	10.670	10.660	(1.247)	1513114	0.16935	0.17(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: SSC2.D
Lab Smp Id: SSC2
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB050510WC.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: SSC2
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	2001402	-0.28

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.56	0.17

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB050510WC.b\SSC2.D

Date : 05-MAY-2010 14:29

Client ID: SSC2

Instrument: volbtx.i

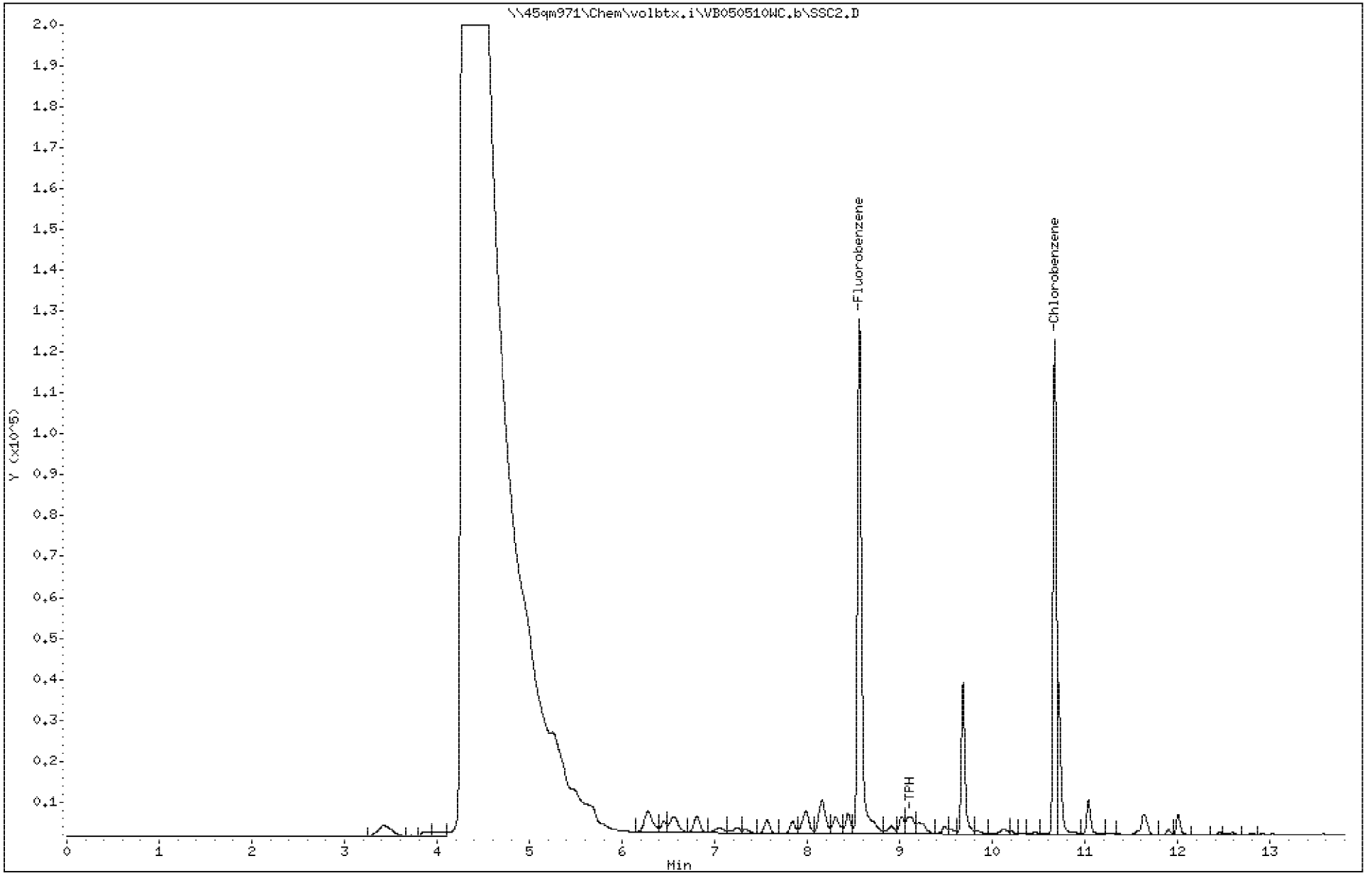
Sample Info: SSC2

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB072610.b\CCV1.D
Lab Smp Id: CCV1 Client Smp ID: CCV1
Inj Date : 26-JUL-2010 08:58
Operator : KS Inst ID: volbtx.i
Smp Info : CCV1
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Meth Date : 27-Jul-2010 08:27 ksiuda Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 TPH	6.268-	11.990		2862840	0.50000	0.43(M)
* 2 Fluorobenzene	8.551	8.551	(1.000)	1922242	0.20000	
$ 6 Chlorobenzene	10.663	10.660	(1.247)	1481601	0.20000	0.17(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: CCV1.D
Lab Smp Id: CCV1
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: CCV1
Level: HIGH
Sample Type: WATER

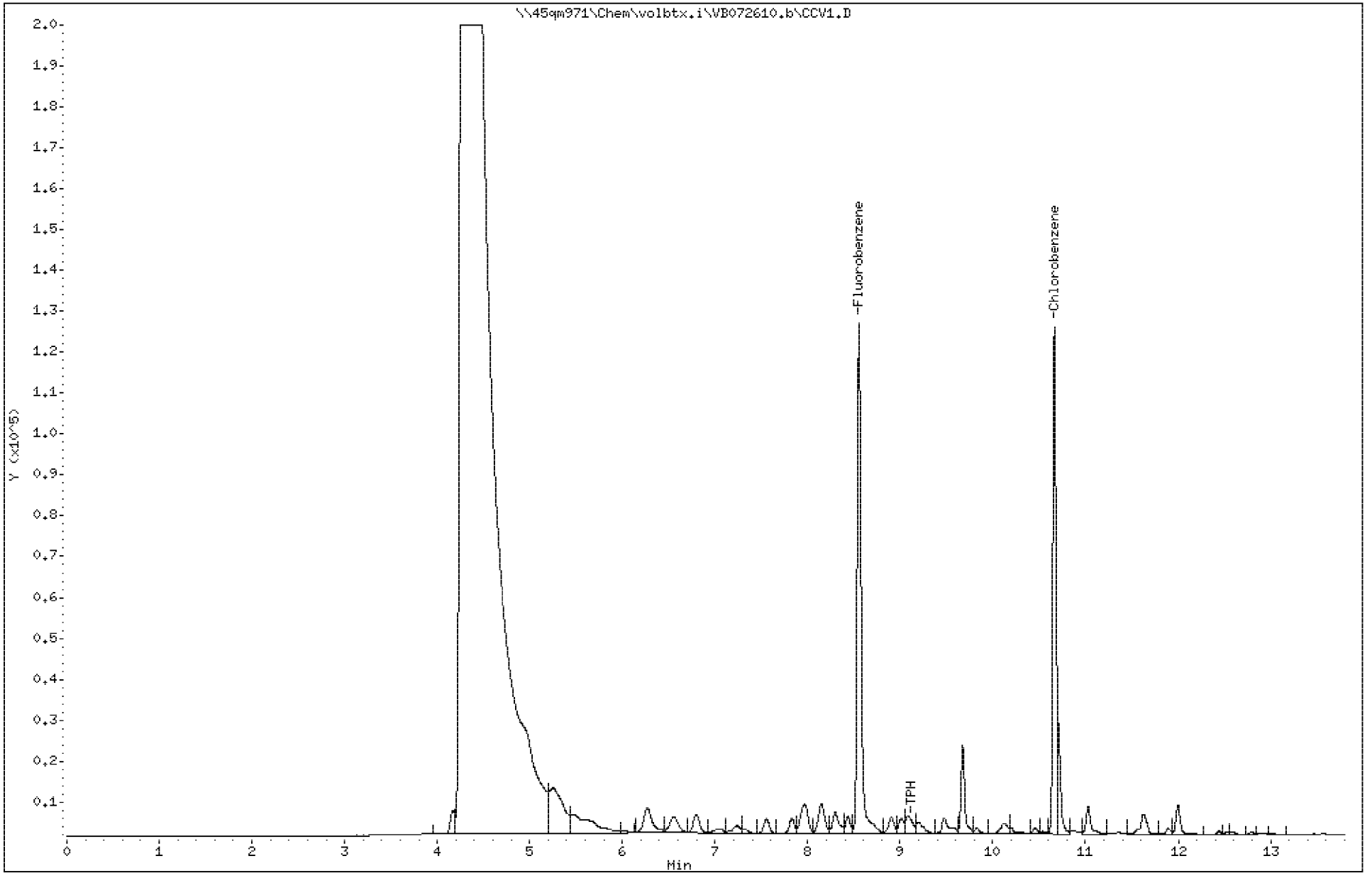
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1922242	-4.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.55	0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB072610.b\CCV1.D
Date : 26-JUL-2010 08:58
Client ID: CCV1
Sample Info: CCV1
Purge Volume: 5.0
Column phase: RTX 502.2

Instrument: volbtx.i
Operator: KS
Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB072610.b\LCS.D
Lab Smp Id: 0726LCS Client Smp ID: 0726LCS
Inj Date : 26-JUL-2010 09:54
Operator : KS Inst ID: volbtx.i
Smp Info : 0726LCS
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Meth Date : 27-Jul-2010 08:27 ksiuda Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
S	1 TPH	6.268	11.990		1392007	0.22602	0.23(M)
*	2 Fluorobenzene	8.559	8.551	(1.000)	1770767	0.20000	
$	6 Chlorobenzene	10.666	10.660	(1.246)	1183118	0.14967	0.15(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: LCS.D
Lab Smp Id: 0726LCS
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: 0726LCS
Level: HIGH
Sample Type: WATER

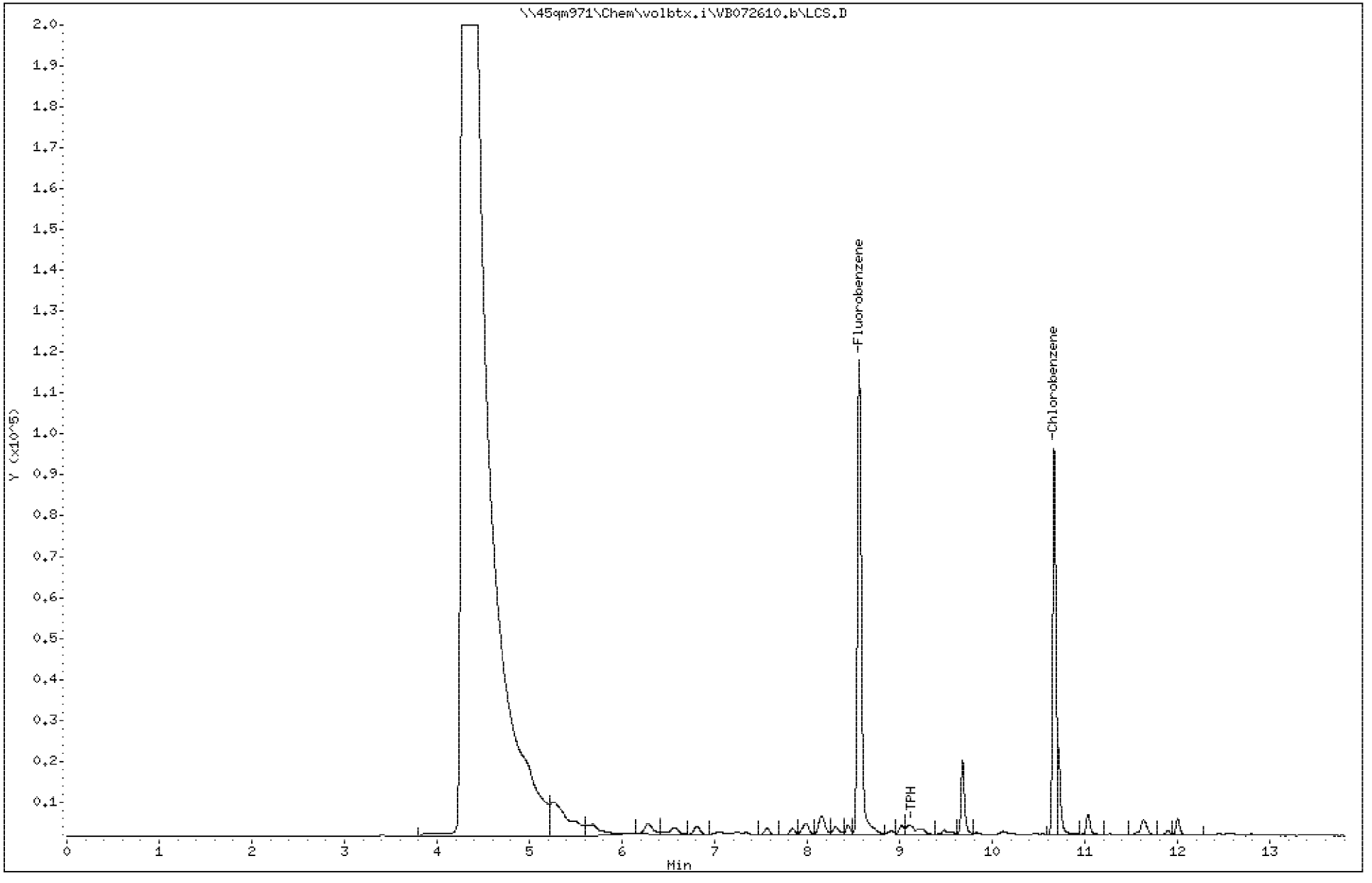
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1770767	-11.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.56	0.18

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB072610.b\LCS.D
Date : 26-JUL-2010 09:54
Client ID: 0726LCS
Sample Info: 0726LCS
Purge Volume: 5.0
Column phase: RTX 502.2

Instrument: volbtx.i
Operator: KS
Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB072610.b\LCSD.D
Lab Smp Id: 0726LCSD Client Smp ID: 0726LCSD
Inj Date : 26-JUL-2010 10:18
Operator : KS Inst ID: volbtx.i
Smp Info : 0726LCSD
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Meth Date : 27-Jul-2010 08:27 ksiuda Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
S	1 TPH	6.268	11.990		1516399	0.22275	0.22(M)
*	2 Fluorobenzene	8.557	8.551	(1.000)	1957335	0.20000	
$	6 Chlorobenzene	10.666	10.660	(1.247)	1308364	0.14973	0.15(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: LCSD.D
Lab Smp Id: 0726LCSD
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: 0726LCSD
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1957335	-2.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.56	0.16

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB072610.b\LCSD.D

Date : 26-JUL-2010 10:18

Client ID: 0726LCSD

Instrument: volbtx.i

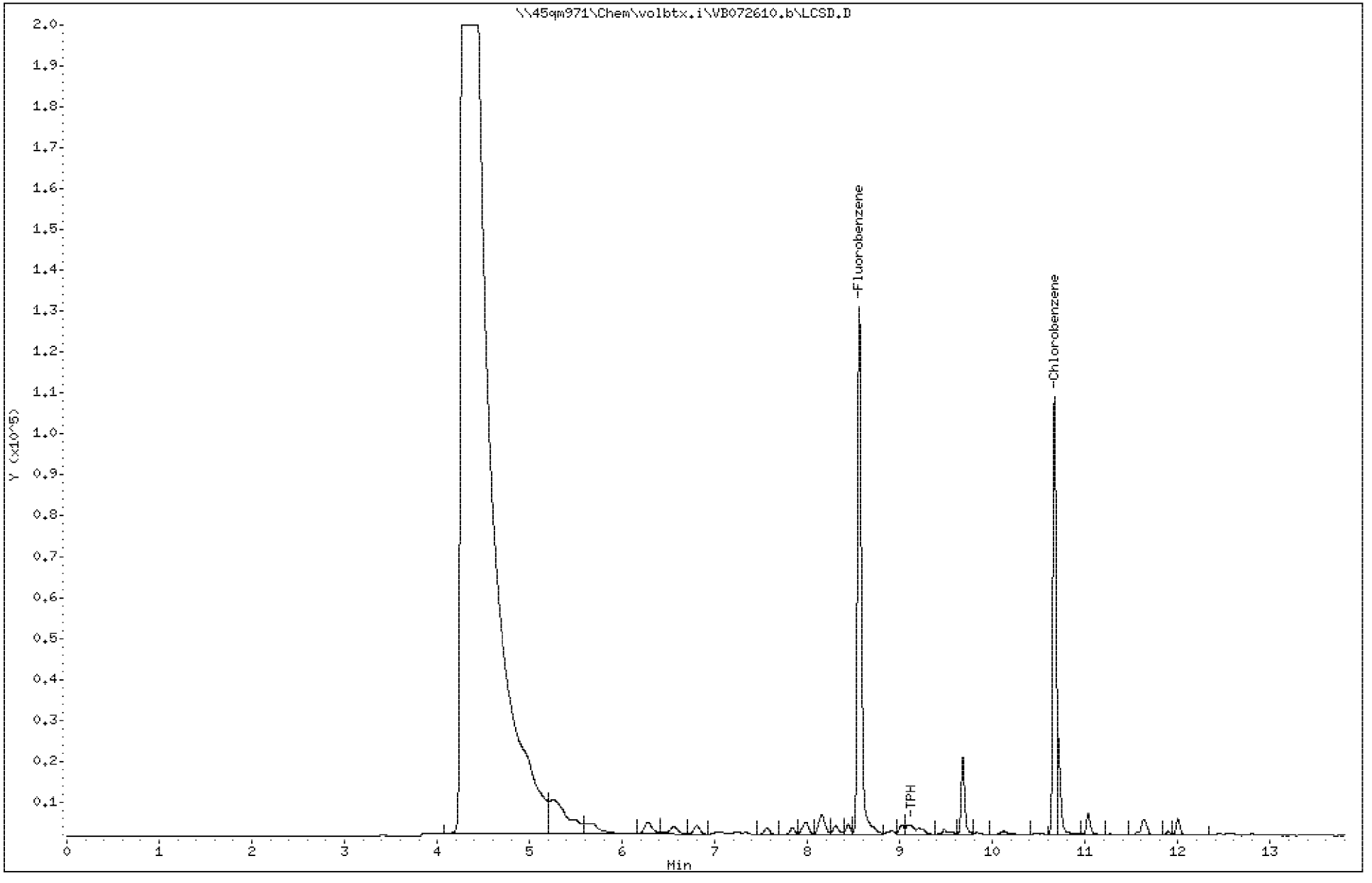
Sample Info: 0726LCSD

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB072610.b\BLK1.D
Lab Smp Id: 0726BLK1 Client Smp ID: 0726BLK1
Inj Date : 26-JUL-2010 10:42
Operator : KS Inst ID: volbtx.i
Smp Info : 0726BLK1
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Meth Date : 27-Jul-2010 08:27 ksiuda Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
* 2 Fluorobenzene	8.558	8.551	(1.000)	1872654	0.20000	
$ 6 Chlorobenzene	10.665	10.660	(1.246)	1318665	0.15774	0.16

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: BLK1.D
Lab Smp Id: 0726BLK1
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: 0726BLK1
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1872654	-6.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.56	0.17

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB072610.b\BLK1.D

Date : 26-JUL-2010 10:42

Client ID: 0726BLK1

Instrument: volbtx.i

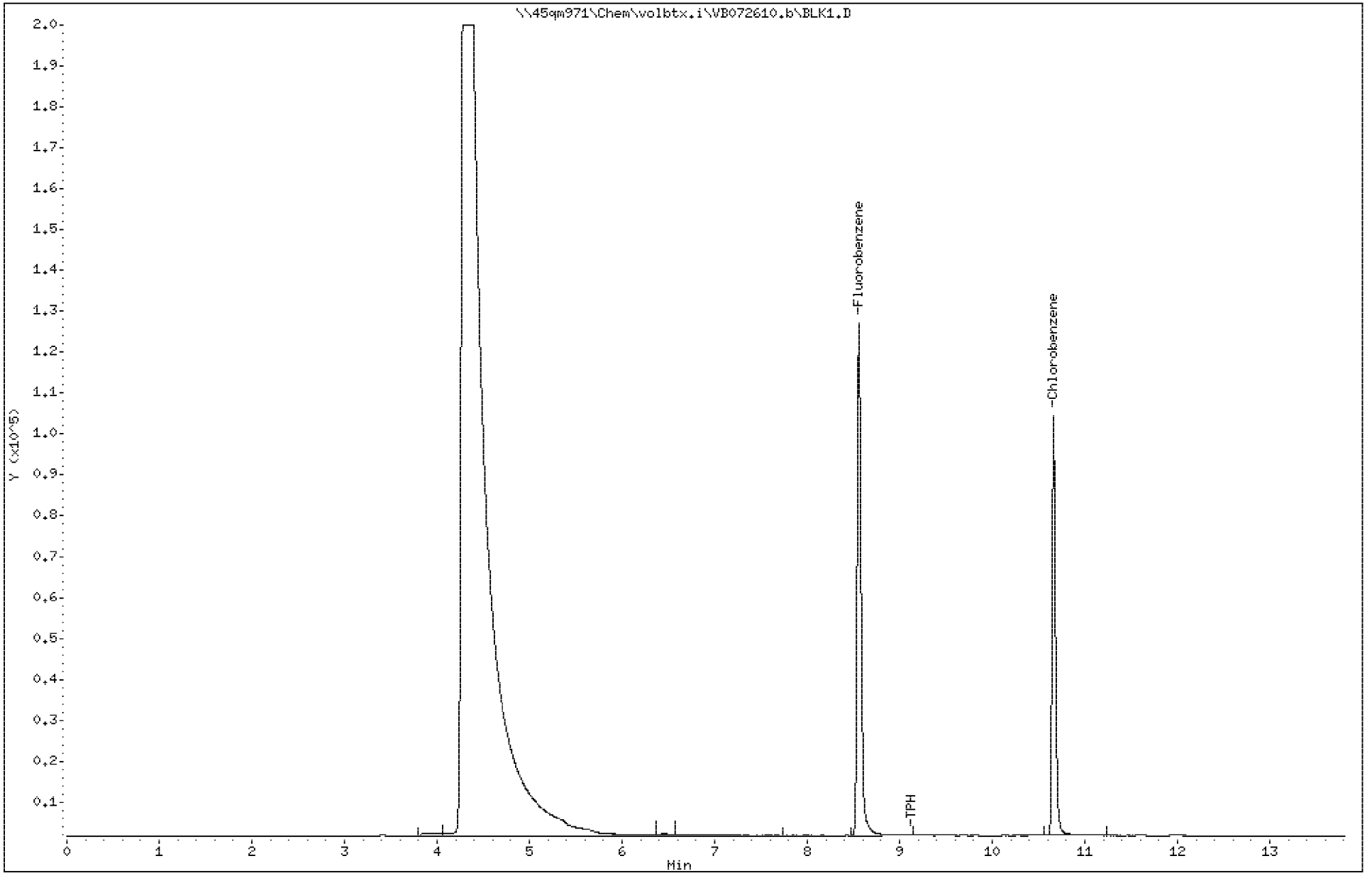
Sample Info: 0726BLK1

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB072610.b\23701.D
Lab Smp Id: 350023701
Inj Date : 26-JUL-2010 12:43
Operator : KS Inst ID: volbtx.i
Smp Info : 350023701
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Meth Date : 27-Jul-2010 08:27 ksiuda Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 45QM971

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
S 1 TPH	6.268-11.990			660006	0.11785	0.12
* 2 Fluorobenzene	8.565	8.551	(1.000)	1610262	0.20000	
$ 6 Chlorobenzene	10.676	10.660	(1.246)	1393054	0.19379	0.19

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: 23701.D
Lab Smp Id: 350023701
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1610262	-19.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.57	0.25

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB072610.b\23701.D

Date : 26-JUL-2010 12:43

Client ID:

Instrument: volbtx.i

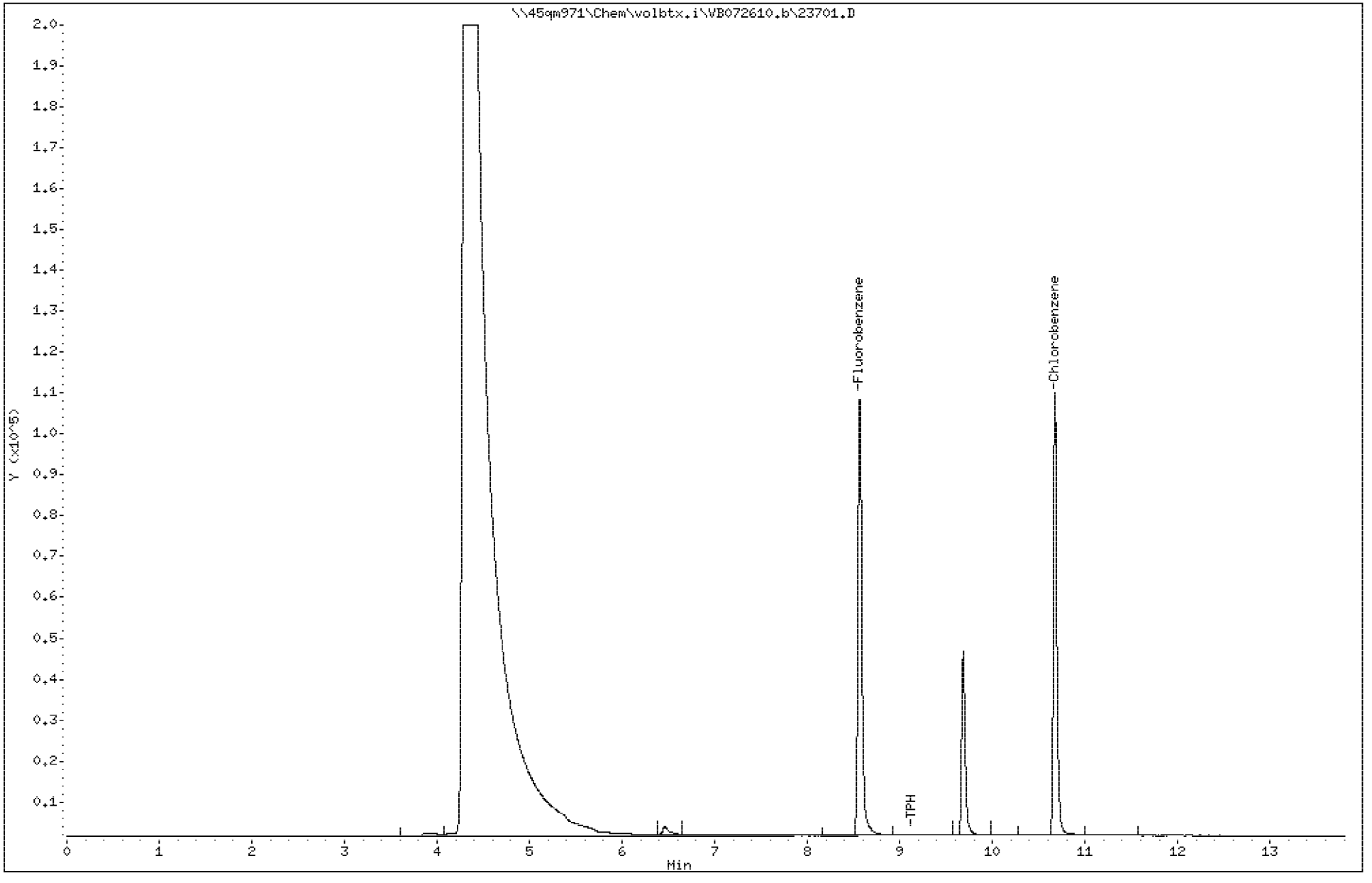
Sample Info: 350023701

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB072610.b\23702.D
Lab Smp Id: 350023702
Inj Date : 26-JUL-2010 13:07
Operator : KS Inst ID: volbtx.i
Smp Info : 350023702
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Meth Date : 27-Jul-2010 08:27 ksiuda Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 45QM971

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
S 1 TPH	6.268-11.990			624966	0.10935	0.11
* 2 Fluorobenzene	8.570	8.551	(1.000)	1643192	0.20000	
$ 6 Chlorobenzene	10.686	10.660	(1.247)	1445808	0.19710	0.20

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: 23702.D
Lab Smp Id: 350023702
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1643192	-18.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.57	0.31

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB072610.b\23702.D

Date : 26-JUL-2010 13:07

Client ID:

Instrument: volbtx.i

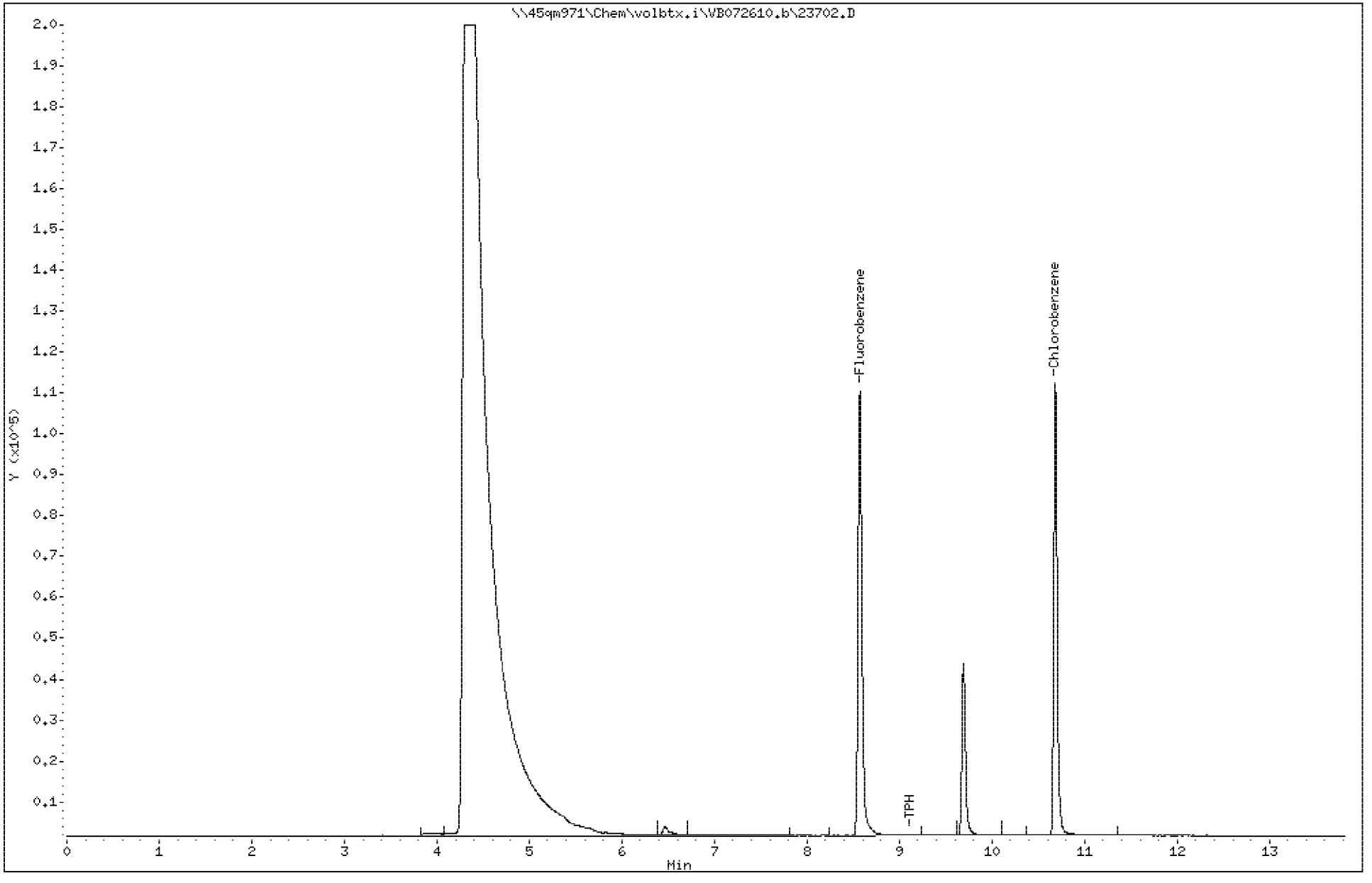
Sample Info: 350023702

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB072610.b\23705.D
Lab Smp Id: 350023705
Inj Date : 26-JUL-2010 13:32
Operator : KS Inst ID: volbtx.i
Smp Info : 350023705
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Meth Date : 27-Jul-2010 08:27 ksiuda Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 45QM971

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
S 1 TPH	6.268-11.990			195096	0.03349	0.033(a)
* 2 Fluorobenzene	8.570	8.551	(1.000)	1674712	0.20000	
$ 6 Chlorobenzene	10.684	10.660	(1.247)	1465425	0.19601	0.20

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: 23705.D
Lab Smp Id: 350023705
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1674712	-16.56

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.57	0.30

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB072610.b\23705.D

Date : 26-JUL-2010 13:32

Client ID:

Instrument: volbtx.i

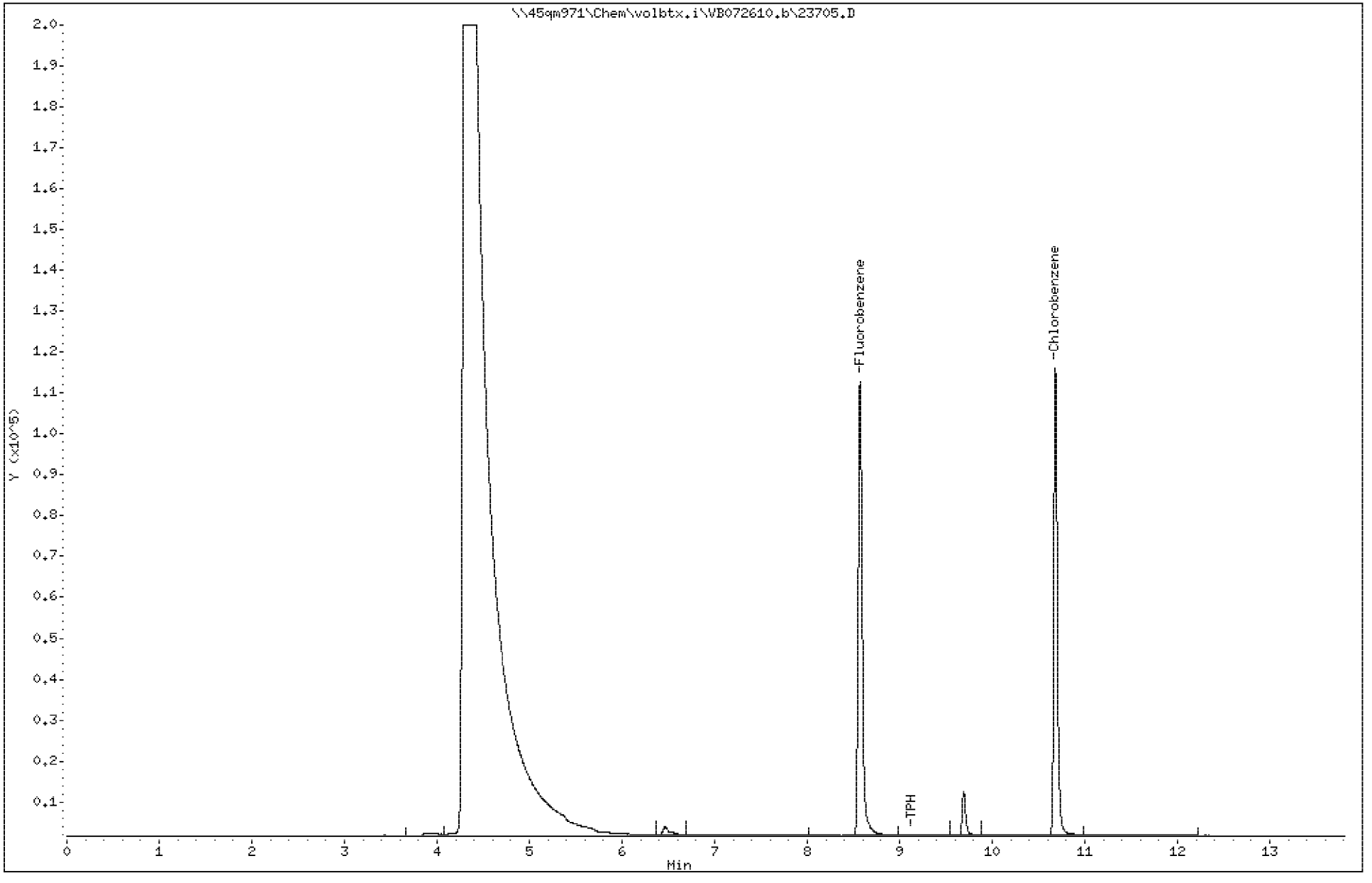
Sample Info: 350023705

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB072610.b\CCV2.D
Lab Smp Id: CCV2 Client Smp ID: CCV2
Inj Date : 26-JUL-2010 15:25
Operator : KS Inst ID: volbtx.i
Smp Info : CCV2
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Meth Date : 27-Jul-2010 08:27 ksiuda Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 TPH	6.268	11.990		3360744	0.50000	0.52(M)
* 2 Fluorobenzene	8.575	8.551	(1.000)	1839145	0.20000	
$ 6 Chlorobenzene	10.693	10.660	(1.247)	1269519	0.20000	0.15(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: CCV2.D
Lab Smp Id: CCV2
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: CCV2
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1839145	-8.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.58	0.36

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB072610.b\CCV2.D

Date : 26-JUL-2010 15:25

Client ID: CCV2

Instrument: volbtx.i

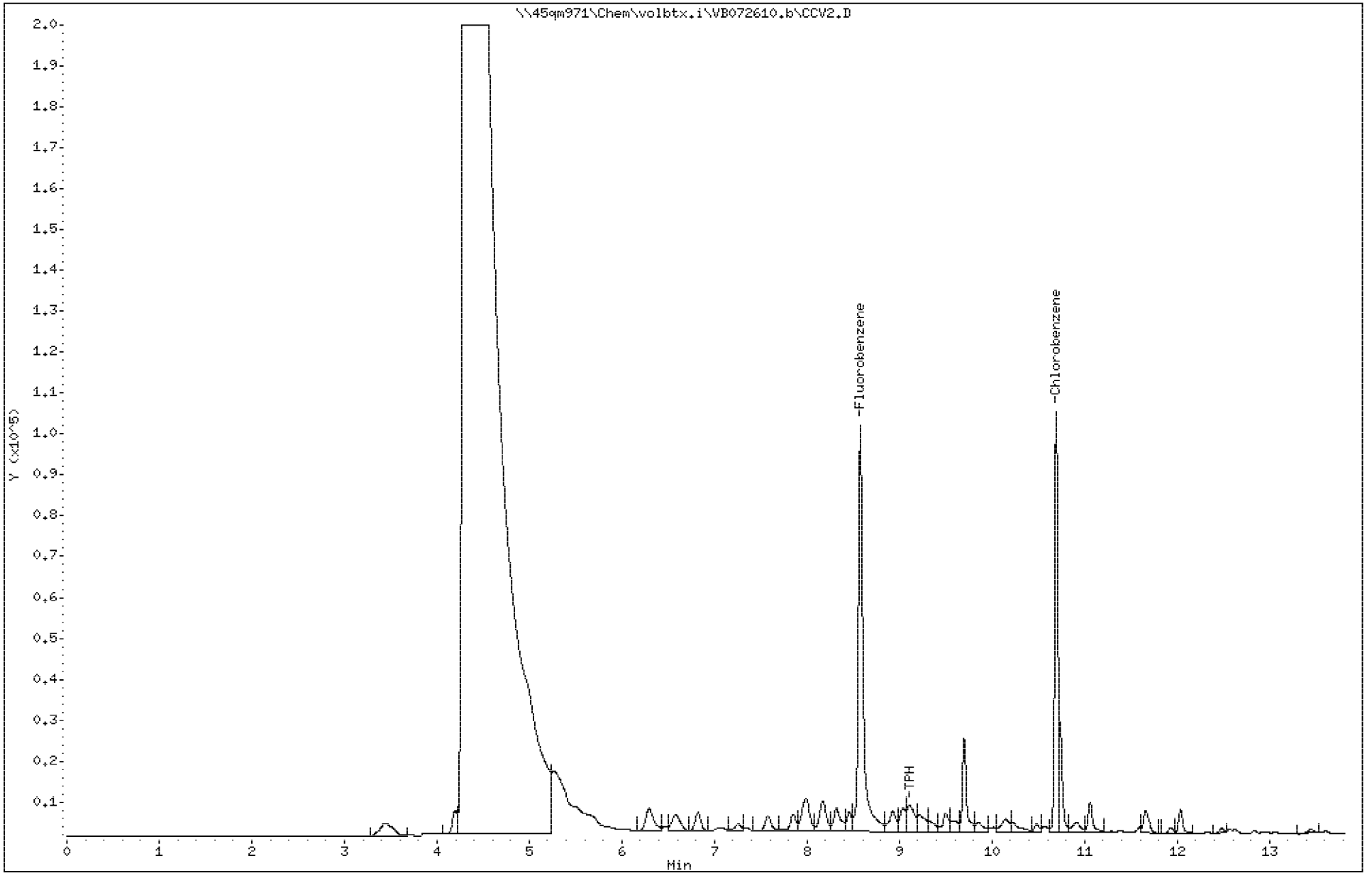
Sample Info: CCV2

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB072610.b\23706.D
Lab Smp Id: 350023706
Inj Date : 26-JUL-2010 16:14
Operator : KS Inst ID: volbtx.i
Smp Info : 350023706
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Meth Date : 27-Jul-2010 08:27 ksiuda Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 45QM971

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
* 2 Fluorobenzene	8.570	8.551	(1.000)	1697198	0.20000	
$ 6 Chlorobenzene	10.684	10.660	(1.247)	1501384	0.19816	0.20

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: 23706.D
Lab Smp Id: 350023706
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1697198	-15.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.57	0.31

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB072610.b\23706.D

Date : 26-JUL-2010 16:14

Client ID:

Instrument: volbtx.i

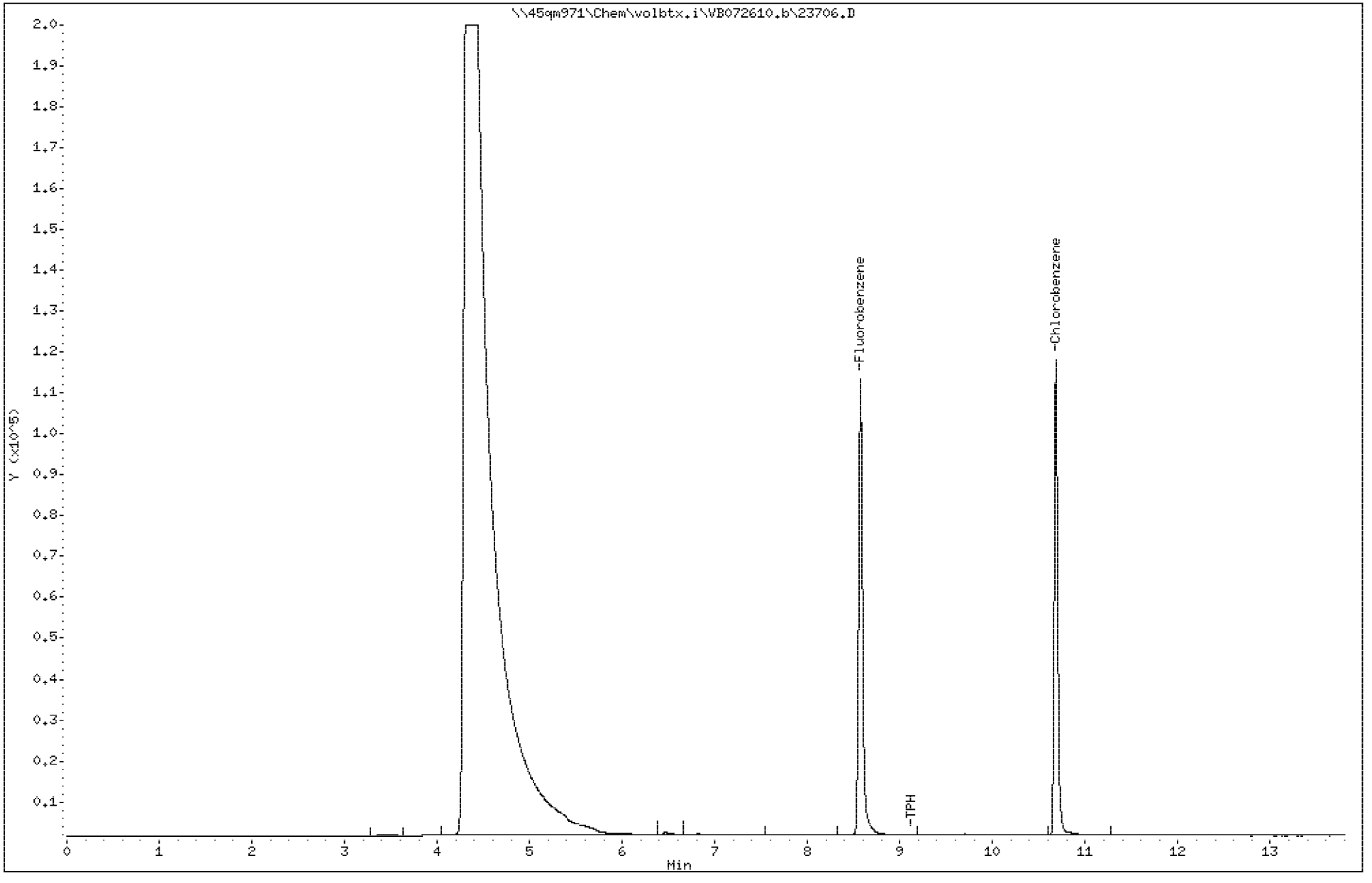
Sample Info: 350023706

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB072610.b\23703MS.D
Lab Smp Id: 350023703
Inj Date : 26-JUL-2010 19:04
Operator : KS Inst ID: volbtx.i
Smp Info : 350023703
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Meth Date : 27-Jul-2010 08:27 ksiuda Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
S 1 TPH	6.268-	11.990		1723891	0.30930	0.31(RM)
* 2 Fluorobenzene	8.563	8.551	(1.000)	1602508	0.20000	
$ 6 Chlorobenzene	10.670	10.660	(1.246)	1334976	0.18661	0.19(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: 23703MS.D
Lab Smp Id: 350023703
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1602508	-20.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.56	0.22

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB072610.b\23703MS.D

Date : 26-JUL-2010 19:04

Client ID:

Instrument: volbtx.i

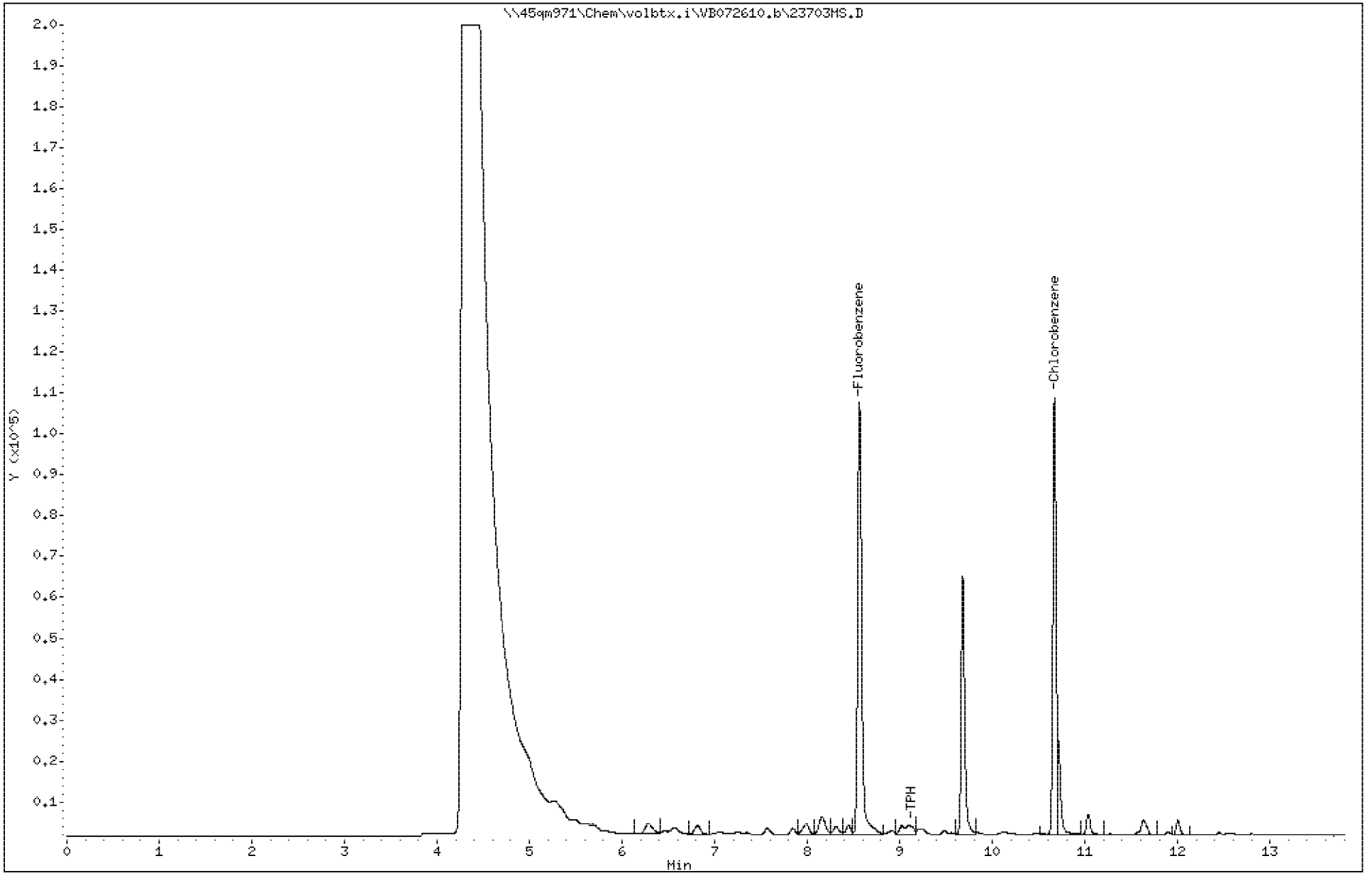
Sample Info: 350023703

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB072610.b\23704MSD.D
Lab Smp Id: 350023704
Inj Date : 26-JUL-2010 19:28
Operator : KS Inst ID: volbtx.i
Smp Info : 350023704
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Meth Date : 27-Jul-2010 08:27 ksiuda Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
S 1 TPH	6.268-	11.990		1787953	0.33039	0.33(RM)
* 2 Fluorobenzene	8.562	8.551	(1.000)	1555932	0.20000	
$ 6 Chlorobenzene	10.666	10.660	(1.246)	1350754	0.19446	0.19(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: 23704MSD.D
Lab Smp Id: 350023704
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1555932	-22.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.56	0.21

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB072610.b\23704MSD.D

Date : 26-JUL-2010 19:28

Client ID:

Instrument: volbtx.i

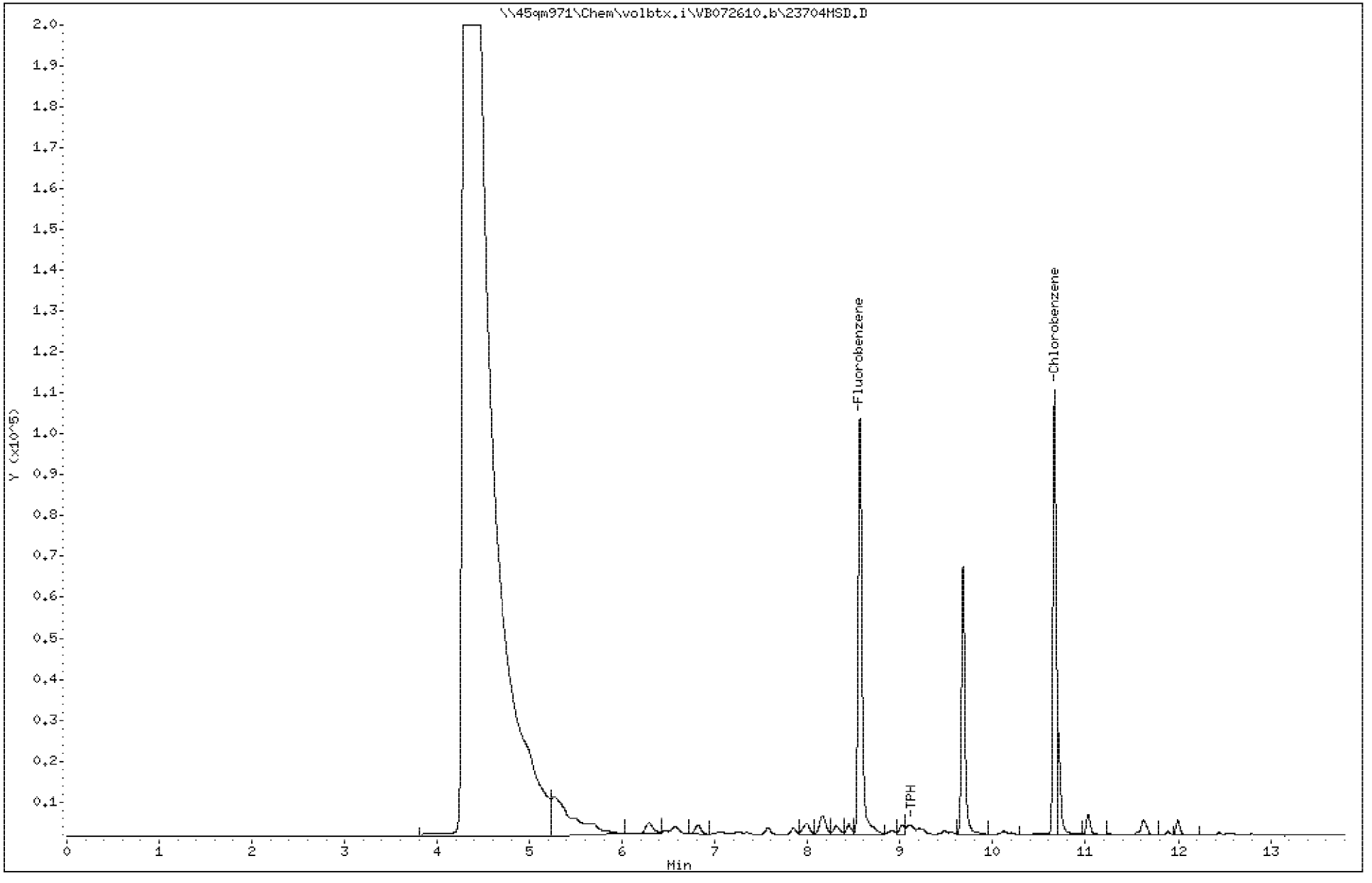
Sample Info: 350023704

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45qm971\Chem\volbtx.i\VB072610.b\CCV3.D
Lab Smp Id: CCV3 Client Smp ID: CCV3
Inj Date : 26-JUL-2010 19:53
Operator : KS Inst ID: volbtx.i
Smp Info : CCV3
Misc Info :
Comment :
Method : \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Meth Date : 27-Jul-2010 08:27 ksiuda Quant Type: ISTD
Cal Date : 05-MAY-2010 10:41 Cal File: CAL6.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 TPH	6.268	11.990		2881396	0.50000	0.55(M)
* 2 Fluorobenzene	8.554	8.551	(1.000)	1507109	0.20000	
$ 6 Chlorobenzene	10.656	10.660	(1.246)	1349683	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: CCV3.D
Lab Smp Id: CCV3
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45qm971\Chem\volbtx.i\VB072610.b\GROW.m
Misc Info:

Calibration Date: 05-MAY-2010
Calibration Time: 08:55
Client Smp ID: CCV3
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	2007119	1003560	4014238	1507109	-24.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.54	8.04	9.04	8.55	0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\45qm971\Chem\volbtx.i\VB072610.b\CCV3.D

Date : 26-JUL-2010 19:53

Client ID: CCV3

Instrument: volbtx.i

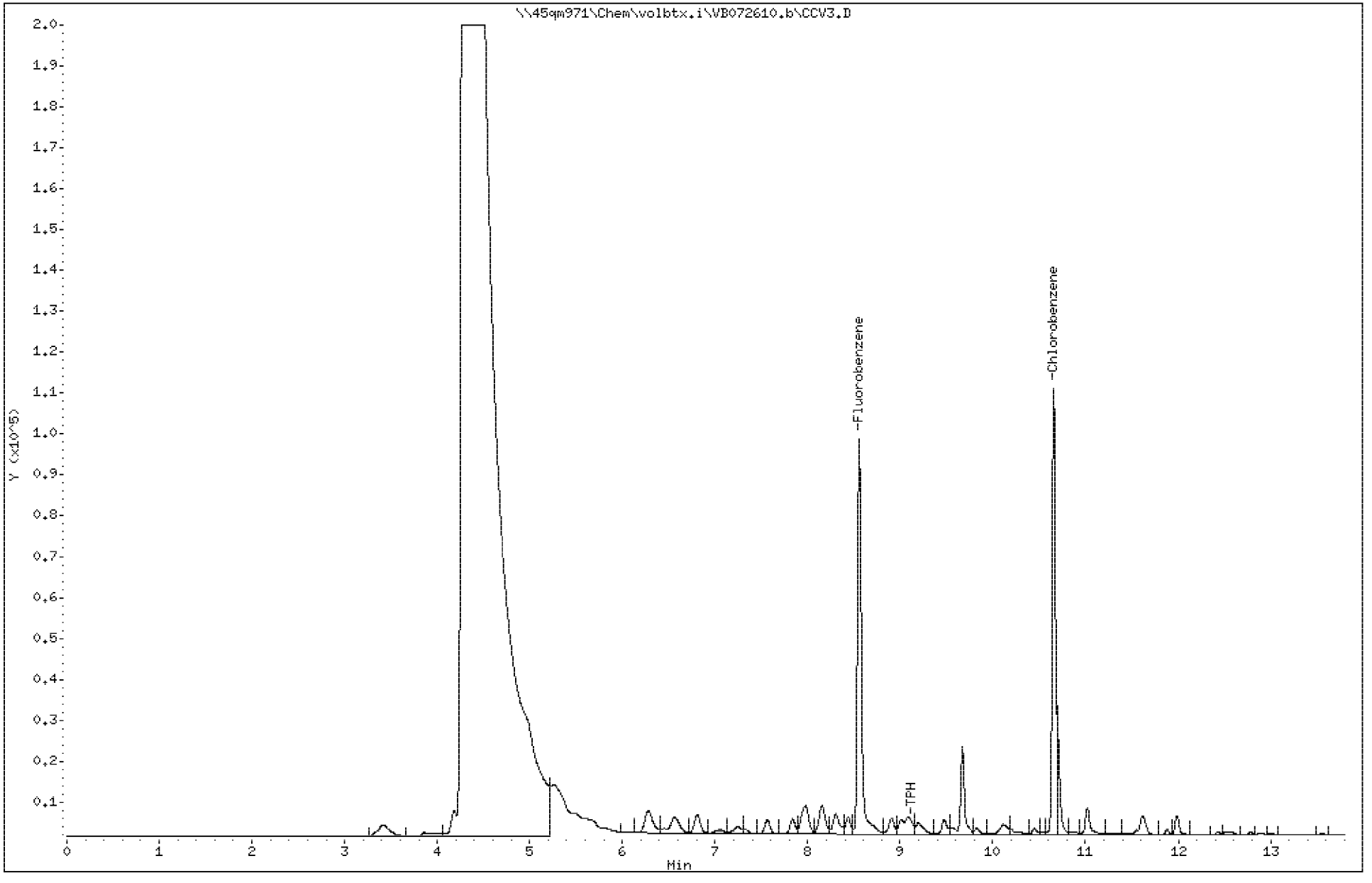
Sample Info: CCV3

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



Raw Data Method 8011

SEQUENCE CHECK

SDG: 3500237 **Method:** 8011

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
STD873873	42478CAL06	SECD0407/28/10-1917~E407281EDOD	EDBCAL6.D	E407281EDOD	1	SECD04	07/28/10 17:16	1
STD873874	42478CAL06	SECD0407/28/10-1917~E407281EDOD	EDBCAL6.D	E407281EDOD	2	SECD04	07/28/10 17:16	1
STD873871	42477CAL05	SECD0407/28/10-1917~E407281EDOD	EDBCAL5.D	E407281EDOD	1	SECD04	07/28/10 17:41	1
STD873872	42477CAL05	SECD0407/28/10-1917~E407281EDOD	EDBCAL5.D	E407281EDOD	2	SECD04	07/28/10 17:41	1
STD873863	42476CAL04	SECD0407/28/10-1917~E407281EDOD	EDBCAL4.D	E407281EDOD	1	SECD04	07/28/10 18:05	1
STD873864	42476CAL04	SECD0407/28/10-1917~E407281EDOD	EDBCAL4.D	E407281EDOD	2	SECD04	07/28/10 18:05	1
STD873861	42475CAL03	SECD0407/28/10-1917~E407281EDOD	EDBCAL3.D	E407281EDOD	1	SECD04	07/28/10 18:29	1
STD873862	42475CAL03	SECD0407/28/10-1917~E407281EDOD	EDBCAL3.D	E407281EDOD	2	SECD04	07/28/10 18:29	1
STD873859	42474CAL02	SECD0407/28/10-1917~E407281EDOD	EDBCAL2.D	E407281EDOD	1	SECD04	07/28/10 18:53	1
STD873860	42474CAL02	SECD0407/28/10-1917~E407281EDOD	EDBCAL2.D	E407281EDOD	2	SECD04	07/28/10 18:53	1
STD873857	42473CAL01	SECD0407/28/10-1917~E407281EDOD	EDBCAL1.D	E407281EDOD	1	SECD04	07/28/10 19:17	1
STD873858	42473CAL01	SECD0407/28/10-1917~E407281EDOD	EDBCAL1.D	E407281EDOD	2	SECD04	07/28/10 19:17	1
SSC873875	42479CAL07	SECD0407/28/10-1917~E407281EDOD	EDBSEC.D	E407281EDOD	1	SECD04	07/28/10 19:42	1
SSC873876	42479CAL07	SECD0407/28/10-1917~E407281EDOD	EDBSEC.D	E407281EDOD	2	SECD04	07/28/10 19:42	1
CCV873867	42476CAL04	SECD0407/28/10-1917~E407281EDOD	EDBCCV2.D	E407281EDOD	1	SECD04	07/28/10 23:45	1
CCV873868	42476CAL04	SECD0407/28/10-1917~E407281EDOD	EDBCCV2.D	E407281EDOD	2	SECD04	07/28/10 23:45	1
42226MB	42226MB	SECD0407/28/10-1917~E407281EDOD	248BLK.D	E407281EDOD	1	SECD04	07/29/10 00:10	1
42226MB	42226MB	SECD0407/28/10-1917~E407281EDOD	248BLK.D	E407281EDOD	2	SECD04	07/29/10 00:10	1
42224LCS	42224LCS	SECD0407/28/10-1917~E407281EDOD	248LCS.D	E407281EDOD	1	SECD04	07/29/10 00:34	1
42224LCS	42224LCS	SECD0407/28/10-1917~E407281EDOD	248LCS.D	E407281EDOD	2	SECD04	07/29/10 00:34	1
42225LCSD	42225LCSD	SECD0407/28/10-1917~E407281EDOD	248LCSD.D	E407281EDOD	1	SECD04	07/29/10 00:59	1
42225LCSD	42225LCSD	SECD0407/28/10-1917~E407281EDOD	248LCSD.D	E407281EDOD	2	SECD04	07/29/10 00:59	1
CCV873869	42476CAL04	SECD0407/28/10-1917~E407281EDOD	EDBCCV3.D	E407281EDOD	1	SECD04	07/29/10 02:12	1
CCV873870	42476CAL04	SECD0407/28/10-1917~E407281EDOD	EDBCCV3.D	E407281EDOD	2	SECD04	07/29/10 02:12	1
STD875703	43131CAL06	SECD0408/03/10-1548~E4080310	EDBCAL6.D	E4080310	1	SECD04	08/03/10 13:39	1
STD875783	43131CAL06	SECD0408/03/10-1548~E4080310	EDBCAL6.D	E4080310	2	SECD04	08/03/10 13:39	1
STD875702	43130CAL05	SECD0408/03/10-1548~E4080310	EDBCAL5.D	E4080310	1	SECD04	08/03/10 14:05	1
STD875782	43130CAL05	SECD0408/03/10-1548~E4080310	EDBCAL5.D	E4080310	2	SECD04	08/03/10 14:05	1
STD875699	43129CAL04	SECD0408/03/10-1548~E4080310	EDBCAL4.D	E4080310	1	SECD04	08/03/10 14:30	1
STD875776	43129CAL04	SECD0408/03/10-1548~E4080310	EDBCAL4.D	E4080310	2	SECD04	08/03/10 14:30	1
STD875698	43128CAL03	SECD0408/03/10-1548~E4080310	EDBCAL3.D	E4080310	1	SECD04	08/03/10 14:56	1
STD875775	43128CAL03	SECD0408/03/10-1548~E4080310	EDBCAL3.D	E4080310	2	SECD04	08/03/10 14:56	1
STD875697	43127CAL02	SECD0408/03/10-1548~E4080310	EDBCAL2.D	E4080310	1	SECD04	08/03/10 15:22	1

STD875774	43127CAL02	SECD0408/03/10-1548~E4080310	EDBCAL2.D	E4080310	2	SECD04	08/03/10 15:22	1
STD875696	43126CAL01	SECD0408/03/10-1548~E4080310	EDBCAL1.D	E4080310	1	SECD04	08/03/10 15:48	1
STD875773	43126CAL01	SECD0408/03/10-1548~E4080310	EDBCAL1.D	E4080310	2	SECD04	08/03/10 15:48	1
SSC875704	43132CAL07	SECD0408/03/10-1548~E4080310	EDBSEC.D	E4080310	1	SECD04	08/03/10 16:13	1
SSC875784	43132CAL07	SECD0408/03/10-1548~E4080310	EDBSEC.D	E4080310	2	SECD04	08/03/10 16:13	1
CCV875701	43129CAL04	SECD0408/03/10-1548~E4080310	EDBCCV2.D	E4080310	1	SECD04	08/03/10 20:21	1
CCV875777	43129CAL04	SECD0408/03/10-1548~E4080310	EDBCCV2.D	E4080310	2	SECD04	08/03/10 20:21	1
ST106-FD-10625-20	42227SAMDUP	SECD0408/03/10-1548~E4080310	237-1DUP.D	E4080310	1	SECD04	08/03/10 21:10	1
ST106-FD-10625-20	42227SAMDUP	SECD0408/03/10-1548~E4080310	237-1DUP.D	E4080310	1	SECD04	08/03/10 21:10	1
ST106-FD-10625-20	42227SAMDUP	SECD0408/03/10-1548~E4080310	237-1DUP.D	E4080310	2	SECD04	08/03/10 21:10	1
ST106-FD-10625-20	42227SAMDUP	SECD0408/03/10-1548~E4080310	237-1DUP.D	E4080310	2	SECD04	08/03/10 21:10	1
ST106-GW-10625-2	350023702	SECD0408/03/10-1548~E4080310	237-2.D	E4080310	1	SECD04	08/03/10 21:34	1
ST106-GW-10625-2	350023702	SECD0408/03/10-1548~E4080310	237-2.D	E4080310	2	SECD04	08/03/10 21:34	1
ST106-MS-10625-20	350023703	SECD0408/03/10-1548~E4080310	237-3MS.D	E4080310	1	SECD04	08/03/10 21:58	1
ST106-MS-10625-20	350023703	SECD0408/03/10-1548~E4080310	237-3MS.D	E4080310	2	SECD04	08/03/10 21:58	1
ST106-MSD-10625-2	350023704	SECD0408/03/10-1548~E4080310	237-4SD.D	E4080310	1	SECD04	08/03/10 22:22	1
ST106-MSD-10625-2	350023704	SECD0408/03/10-1548~E4080310	237-4SD.D	E4080310	2	SECD04	08/03/10 22:22	1
ST106-GW-10626-2	350023705	SECD0408/03/10-1548~E4080310	237-5.D	E4080310	1	SECD04	08/03/10 22:47	1
ST106-GW-10626-2	350023705	SECD0408/03/10-1548~E4080310	237-5.D	E4080310	2	SECD04	08/03/10 22:47	1
CCV875778	43129CAL04	SECD0408/03/10-1548~E4080310	EDBCCV3.D	E4080310	1	SECD04	08/04/10 01:00	1
CCV875779	43129CAL04	SECD0408/03/10-1548~E4080310	EDBCCV3.D	E4080310	2	SECD04	08/04/10 01:00	1

Spectrum Lab

8011

Extraction Method:	8011
Tech Initial:	TC
Batch #:	1248
Date:	07/26/10
Prep Start time:	1200
Extraction Stop Time:	1515

Sample # (container #)	BLK	LCS	LCSD	3500237 (9) 1	(2) 2	(3) ms 3	(4) msd 4	(5) 5	3500248 (11) 1	(7) 2	3500263 (5) 1	3	3500237
Samp. Date				07/20/10					07/21/10		07/22/10		10/1 07/20/10
Client ID		H_2O		ST106 FD 10625-2007 2010	GW 10625	MS10625	MSD10625	GW 10626	GW 10623 21072010	GW 10619	CMW-1	CMW-1A	ST106 FD10625 20022010
Odor	DZ			none							slight		none
Color				clear							tan		clear
Sed.				none									
Initial Vol (ml)	35.11	35.62	35.16	35.53	35.84	35.01	35.12	35.63	35.20	35.30	35.76	35.42	35.50
pH	7												
Surrogate ID	35776 1/20 ul												
Surr. Witness	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
Spike ID	N/A	2' 35778 210 ul	@ 0.02g/ml	N/A		2' 35778 210 ul	@ 0.02g/ml	N/A					
Spike Witness	N/A	AB	AB	N/A		AB	AB	N/A					
Final Vol.(ml)	2ml												
Remarks	NA			Emulsion									Emulsion
Archive (box/Row)	NA												

Lot information:

Solvent:	32867
Salt:	33874
Meoh:	33631

Log review: [illegible]

3500237

1127

Spectrum Lab

8011

Extraction Method:	8011

Tech Initial:	TC

Batch #:	1248

Date:	07/26/10

Prep Start time:	1200

Extraction Stop Time:	1515

Sample # (container #)	3500264 (7) 1	(7) 2	3500265 (6) 1	3500276 (5) 1	(10) 2	(3) 3	0.02	0.04	0.08	0.12	0.24	0.48	SECCV
Samp. Date	07/22/10		07/22/10	07/23/10									
Client ID	ST106 GW10621 23072010	GW10627	PCMB-MW-02	ST106 GW10613 23072010	EB10617	GW10617			DI H_2O				
Odor	none		none										
Color	clear		clear										
Sed.	none		none										
Initial Vol (ml)	35.04	35.14	35.03	35.78	35.28	35.47	35.22	35.06	35.84	35.32	35.47	35.76	35.4
pH	7												
Surrogate ID	35776 @ 420 ul	0.02 ug/ml											
Surr. Witness	AB	AB	AB	AB	AB	AB	35 ul AB	70 ul AB	140 ul AB	210 ul AB	420 ul AB	840 ul AB	20 ul AB
Spike ID	N/A						1°35777						D
Spike Witness	N/A						35 ul AB	70 ul AB	140 ul AB	210 ul AB	420 ul AB	840 ul AB	210 ul AB
Final Vol.(ml)	2ml												
Remarks	NA												
Archive (box/Row)	NA												

Lot information:	
Solvent:	33767
Salt:	33874
Meoh:	33631

Log review:	CT

3500237

1128

Spectrum Lab

8011

Extraction Method:	8011
Batch #:	1276
Date:	07/26/10
Prep Start time:	1100
Tech Initial:	TC
Extraction Stop Time:	1230

Sample # (container #)	0.02	0.04	0.08	0.12	0.24	0.48	SECU	BLK	LCS	LCSD	3500290 (14) 1 07/26/10	(14) 3
Samp. Date												
Client ID				DI	H_2O						57106 GW 10623 2607 2010	IDW TANK
Odor											none	
Color											clear	
Sed.											none	
Initial Vol (ml)	35.50	35.74	35.28	35.18	35.73	35.29	35.23	35.86	35.95	35.84	35.20	35.56
pH	7											
Surrogate ID	35800 surr @ 0.02 mg/ml											
Surr. Witness	35ul	70ul	140ul	210ul	420ul	840ul	210ul	420ul				
Spike ID	TC											
Spike Witness	1° 35801 spk @ 0.02 mg/ml						2° 35802		2° 35802	2° 35802		
Final Vol.(ml)	35ul	70ul	140ul	210ul	420ul	840ul	210ul	NA	210ul	210ul	NA	NA
Remarks	2ml							NA	TC		NA	NA
Archive (box/Row)	NA											

Solvent:	32767
Salt:	33874
Meoh:	33631

Lot information:

Log review: TC

3500231

1129

Spectrum Lab

8011

Extraction Method:	8011

Tech Initial:	TC

Batch #:	1276

Date:	07/28/10

Prep Start time:	1100

Extraction Stop Time:	1230

Sample # (container #)	3500290 (5)	(13)	3500299 (1)									
Samp. Date	7/26/10		7/27/10									
Client ID	STIOG GW 10620 26072010	IDW Tank	MW-1									
Odor	none											
Color	clear											
Sed.	none											
Initial Vol (ml)	35.68	35.53	35.88									
pH	7											
Surrogate ID	35800											
Surr. Witness	TC											
Spike ID	NA	NA	NA									
Spike Witness	TC	TC	NA									
Final Vol.(ml)	2 ml											
Remarks	NA											
Archive (box/Row)	NA											

VOID

07/28/10

TC

Solvent:	32767
Salt:	33874
Meoh:	33631

Lot information:

Log review: CK

3500237

1130

Spectrum Lab

8011

Extraction Method:	8011			Tech Initial:	G
Batch #:	13278	Date:	8-3-10	Prep Start time:	10:10
Extraction Stop Time:	11:45				

Sample # (container #)	0.02	0.04	0.08	0.12	0.24	0.48	Seccv	BLK	LCS	LCSD	3500355 (1) 02	DUP (5) 02
Samp. Date											8-2-10	→
Client ID					DI water						DASPBOH TP S A084	→
Odor											none	→
Color											clear	→
Sed.											none	→
Initial Vol (ml)	35.10	35.74	35.40	35.57	35.05	35.17	35.62	35.32	35.76	35.20	35.10	35.45
pH	7	→										
Surrogate ID	35887 surr @ 0.02 ug/ml 35ul	70ul	140ul	210ul	420ul	840ul	210ul	210ul	→			
Surr. Witness	G	→										
Spike ID	35888 10 spk @ 0.02 ug/ml 35ul	70ul	140	210ul	420	840ul	→ 35889 2° spike 0.02 ug/ml 210ul	NA	35888 2° spike 0.02 ug/ml 210ul	→	NA	→
Spike Witness	G	→					→	NA	G	→	NA	→
Final Vol.(ml)	2ml	→										
Remarks	NA	→										
Archive (box/Row)	NA	→										

Lot information:

Solvent:	32767
Salt:	33874
Meoh:	33631

Log review: SC

3500237

1131

Spectrum Lab

8011

Extraction Method:	8011
Tech Initial:	CT
Batch #:	1328
Date:	8-3-10
Prep Start time:	10:10
Extraction Stop Time:	11:45

Sample # (container #)	3500355 (5) 02	(6) MS 01	(3) 03								
Samp. Date	8-2-10	→	→								
Client ID	CVE-TP-SA-0810	→	MW951E-TP-SA-0810								
Odor	none	→	→								
Color	clear	→	→								
Sed.	none	→	→								
Initial Vol (ml)	35.18	35.18	35.64								
pH	7	→	→								
Surrogate ID	35887 Surr 4 ml 100 ug/ml	→	→								
Surr. Witness	CT	→	→								
Spike ID	NA	35889 Spk 2ml 100 ug/ml	NA								
Spike Witness	NA	CT	NA								
Final Vol.(ml)	2ml	→	→								
Remarks	NA	→	→								
Archive (box/Row)	NA	→	→								

VOID

Lot information:

Solvent:	32767
Salt:	33874
Meoh:	33631

Log review: SL

3500237

1132

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
13623	8011_504MIX_STK	NSI	C-398-03	10/31/2010	1 ML	7/15/2006	nsubar

200 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20673	8011_USDBCP_STK	ULTRA - DWM-504	CD-1248	6/30/2011	1 ML	9/5/2007	bspann

200 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22080	8011_1122TCE_STK	NSI	14-06-03	12/31/2010	1 UG/	12/12/2007	spruskin

1000 UG/ML: 1,1,2,2-Tetrachloroethane

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
33631	Methanol	Fisher Scientific	100359	4/8/2011	32 L	4/8/2010	cabadia

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35038	EDBInt_surr#1			12/16/2010	10 ML	6/16/2010	spruskin

2 UG/ML: 1,1,2,2-Tetrachloroethane

COMPOSED OF:

22080: 20 UL 33631: 9980 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35039	EDBInt_spk			12/16/2010	10 ML	6/16/2010	spruskin

2 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

STANDARDS LOG

COMPOSED OF:

20673: 100 UL 33631: 9900 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35040	EDBssint_spk			10/31/2010	10 ML	6/16/2010	spruskin

2 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

COMPOSED OF:

13623: 100 UL 33631: 9900 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35776	EDBwkg_surr			7/27/2010	20 ML	7/26/2010	cabadia

0.02 UG/ML: 1,1,2,2-Tetrachloroethane

COMPOSED OF:

33631: 19800 UL 35038: 200 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35777	EDBwkg_spk			7/27/2010	10 ML	7/26/2010	cabadia

0.02 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

COMPOSED OF:

33631: 9900 UL 35039: 100 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35778	EDBsswkg_spk			7/27/2010	10 ML	7/26/2010	cabadia

0.02 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

COMPOSED OF:

33631: 9900 UL 35040: 100 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35800	EDBwkg_surr			7/28/2010	20 ML	7/28/2010	cabadia

0.02 UG/ML: 1,1,2,2-Tetrachloroethane

STANDARDS LOG

COMPOSED OF:

33631: 19800 UL 35038: 200 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35801	EDBwkg_spk			7/28/2010	10 ML	7/28/2010	cabadia

0.02 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

COMPOSED OF:

33631: 9900 UL 35039: 100 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35802	EDBsswkg_spk			7/28/2010	10 ML	7/28/2010	cabadia

0.02 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

COMPOSED OF:

33631: 9900 UL 35040: 100 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35887	EDBwkg_surr			8/3/2010	20 ML	8/3/2010	cabadia

0.02 UG/ML: 1,1,2,2-Tetrachloroethane

COMPOSED OF:

33631: 19800 UL 35038: 200 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35888	EDBwkg_spk			8/3/2010	10 ML	8/3/2010	cabadia

0.02 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

COMPOSED OF:

33631: 9900 UL 35039: 100 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35889	EDBsswkg_spk			8/3/2010	10 ML	8/3/2010	cabadia

0.02 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

STANDARDS LOG

COMPOSED OF:

33631: 9900 UL 35040: 100 UL

PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCAL6.D
Lab Smp Id: 42478CAL06 Client Smp ID: 42478CAL06
Inj Date : 28-JUL-2010 17:16
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42478cal06
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	5.968	5.968	0.000	6614751	0.48000	0.47(M)
$ 2 1,1,2,2-Tetrachloroethane	8.094	8.094	0.000	8280377	0.48000	0.48
3 dbcp	11.777	11.777	0.000	15742422	0.48000	0.48(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCAL6.D

Date : 28-JUL-2010 17:16

Client ID: 42478CAL06

Instrument: secd04.i

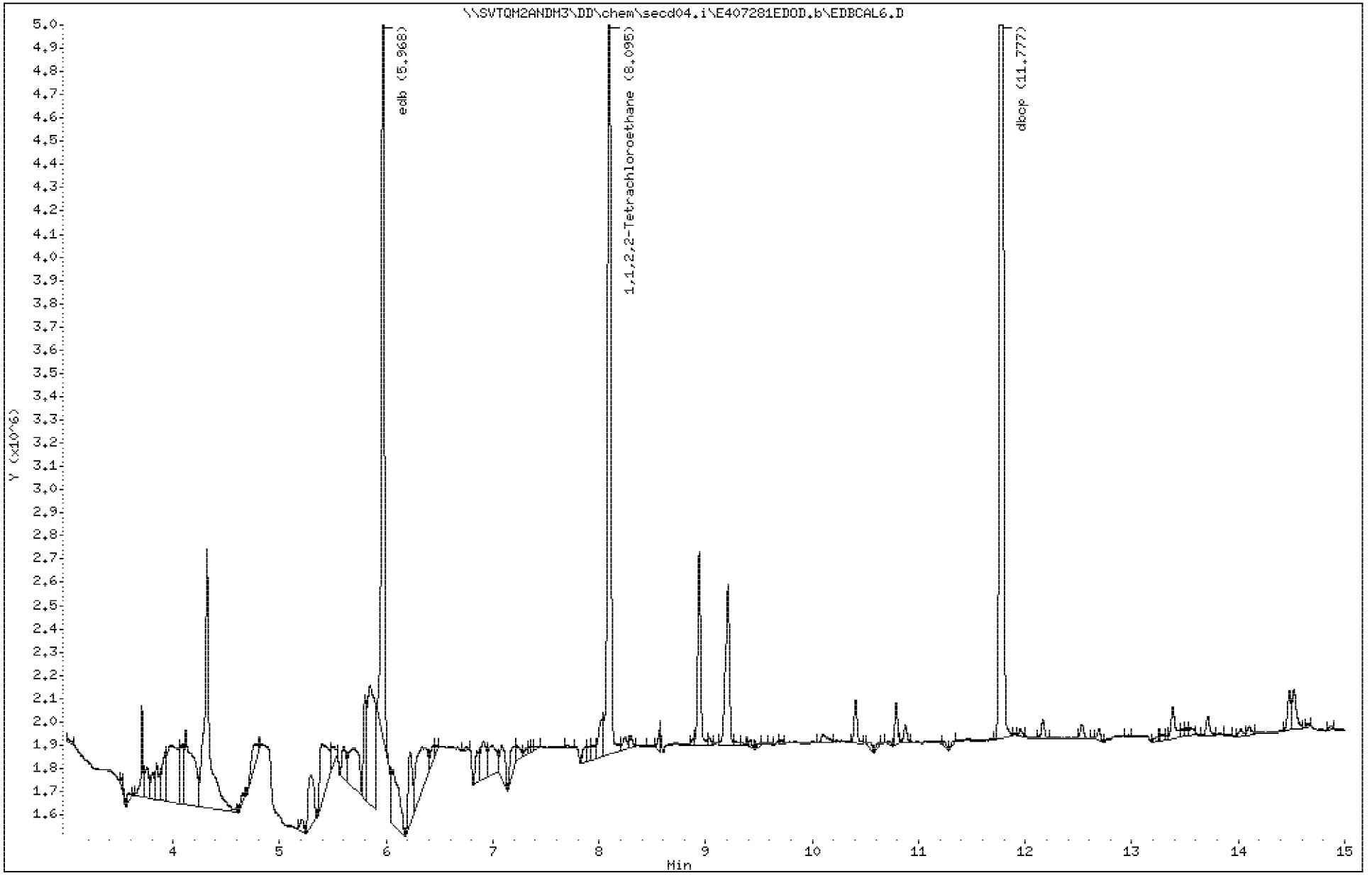
Sample Info: e42478cal06

Purge Volume: 35.3

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCA
Lab Smp Id: 42478CAL06 Client Smp ID: 42478CAL06
Inj Date : 28-JUL-2010 17:16
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42478cal06
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	1 edb	5.931	5.931	0.000	6418086	0.48000	0.48(M)
$	2 1,1,2,2-Tetrachloroethane	8.171	8.171	0.000	8976952	0.48000	0.47(M)
	3 dbcp	11.979	11.979	0.000	16607428	0.48000	0.48(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCAL6.D

Date : 28-JUL-2010 17:16

Client ID: 42478CAL06

Instrument: secd04.i

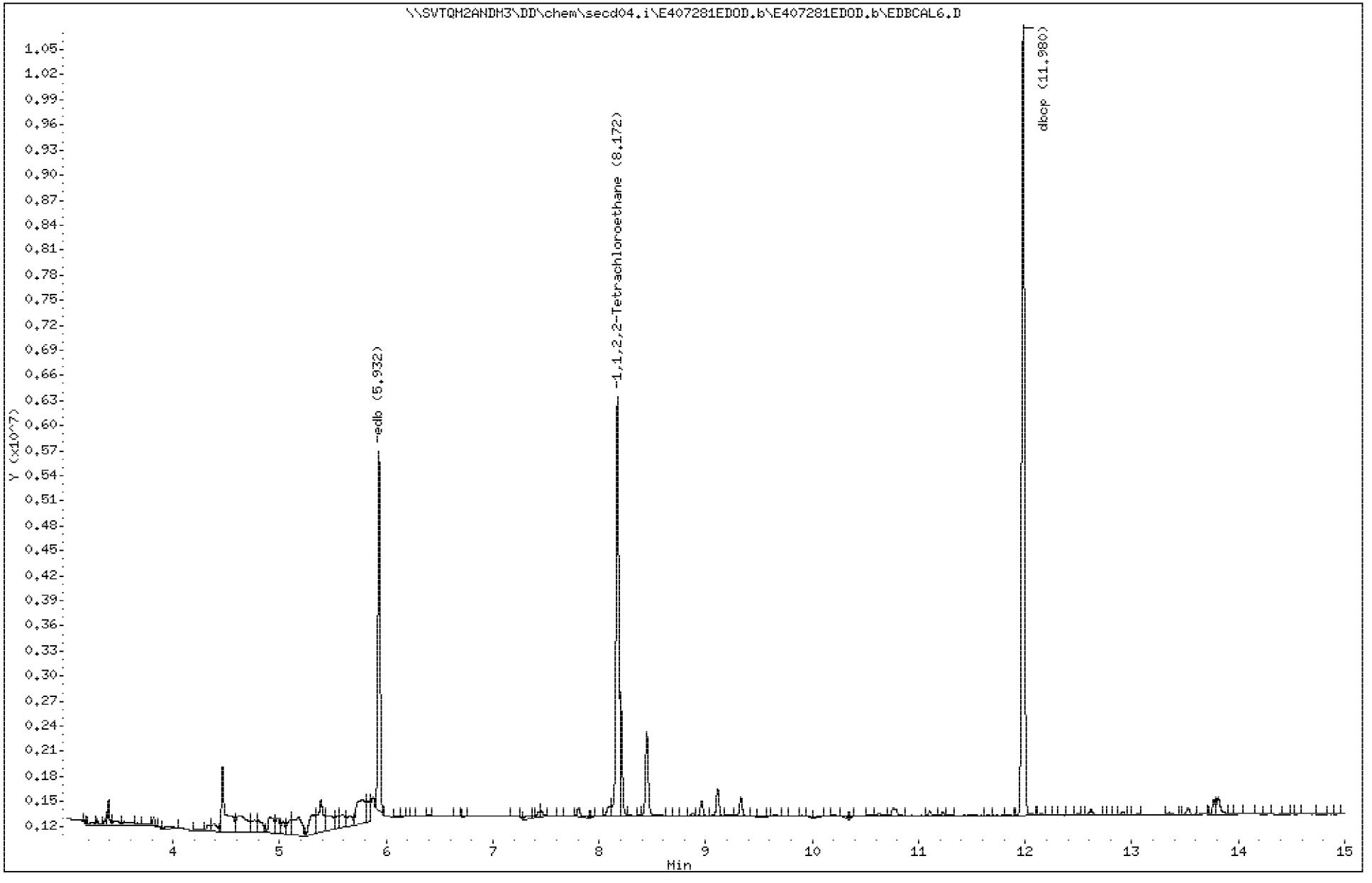
Sample Info: e42478cal06

Purge Volume: 35.3

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCA
Lab Smp Id: 42477CAL05 Client Smp ID: 42477CAL05
Inj Date : 28-JUL-2010 17:41
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42477cal05
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 17:16 Cal File: EDBCAL6.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	5.931	5.931	0.000	3582337	0.24000	0.27(M)
$ 2 1,1,2,2-Tetrachloroethane	8.171	8.171	0.000	4734763	0.24000	0.25
3 dbcp	11.980	11.980	0.000	8531834	0.24000	0.24(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCAL5.D

Date : 28-JUL-2010 17:41

Client ID: 42477CAL05

Instrument: secd04.i

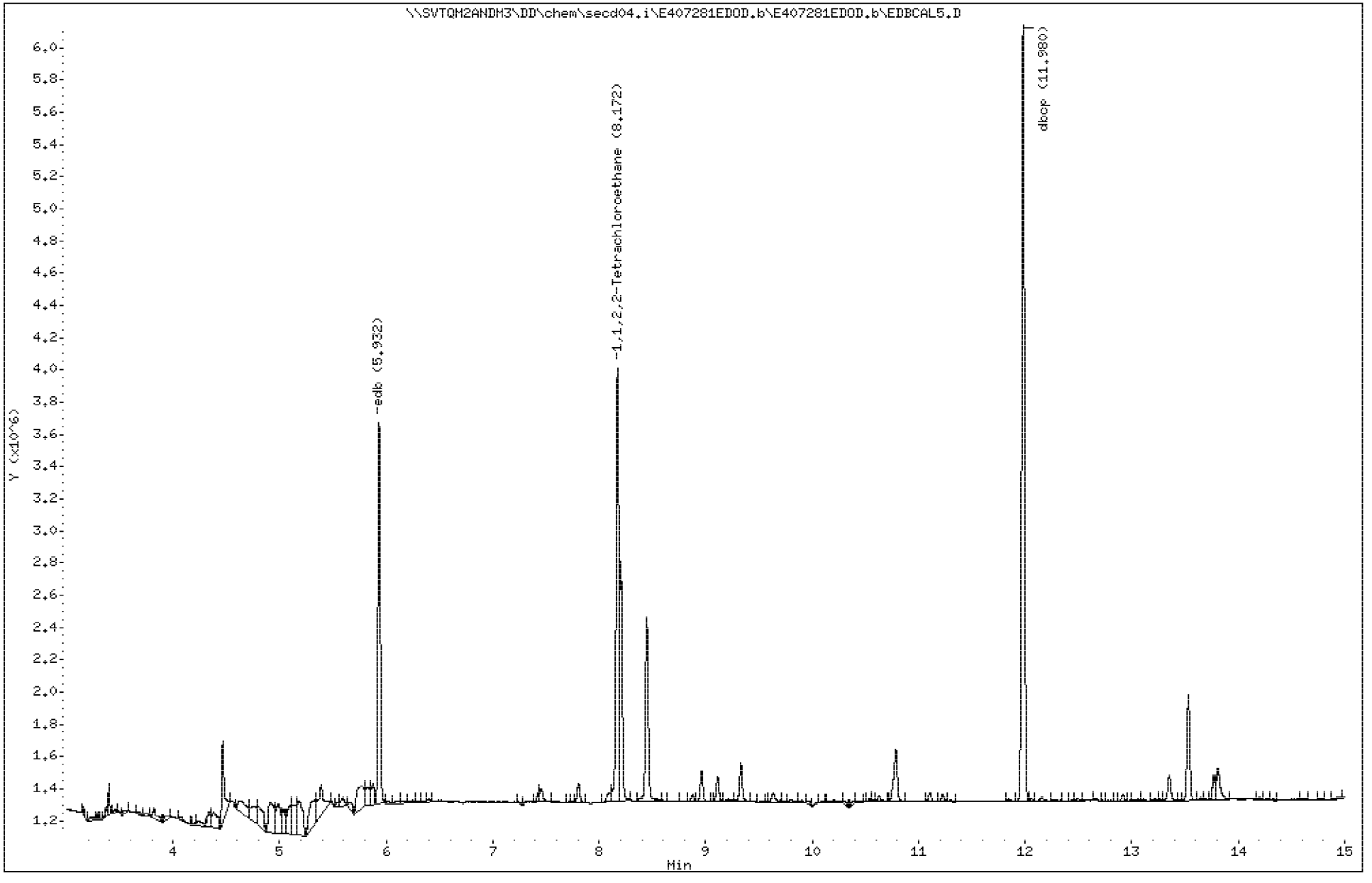
Sample Info: e42477cal05

Purge Volume: 35.7

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCAL5.D
Lab Smp Id: 42477CAL05 Client Smp ID: 42477CAL05
Inj Date : 28-JUL-2010 17:41
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42477cal05
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 17:16 Cal File: EDBCAL6.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	5.970	5.970	0.000	3559345	0.24000	0.25(M)
$ 2 1,1,2,2-Tetrachloroethane	8.095	8.095	0.000	4160829	0.24000	0.24
3 dbcp	11.778	11.778	0.000	8183374	0.24000	0.25(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCAL5.D

Date : 28-JUL-2010 17:41

Client ID: 42477CAL05

Instrument: secd04.i

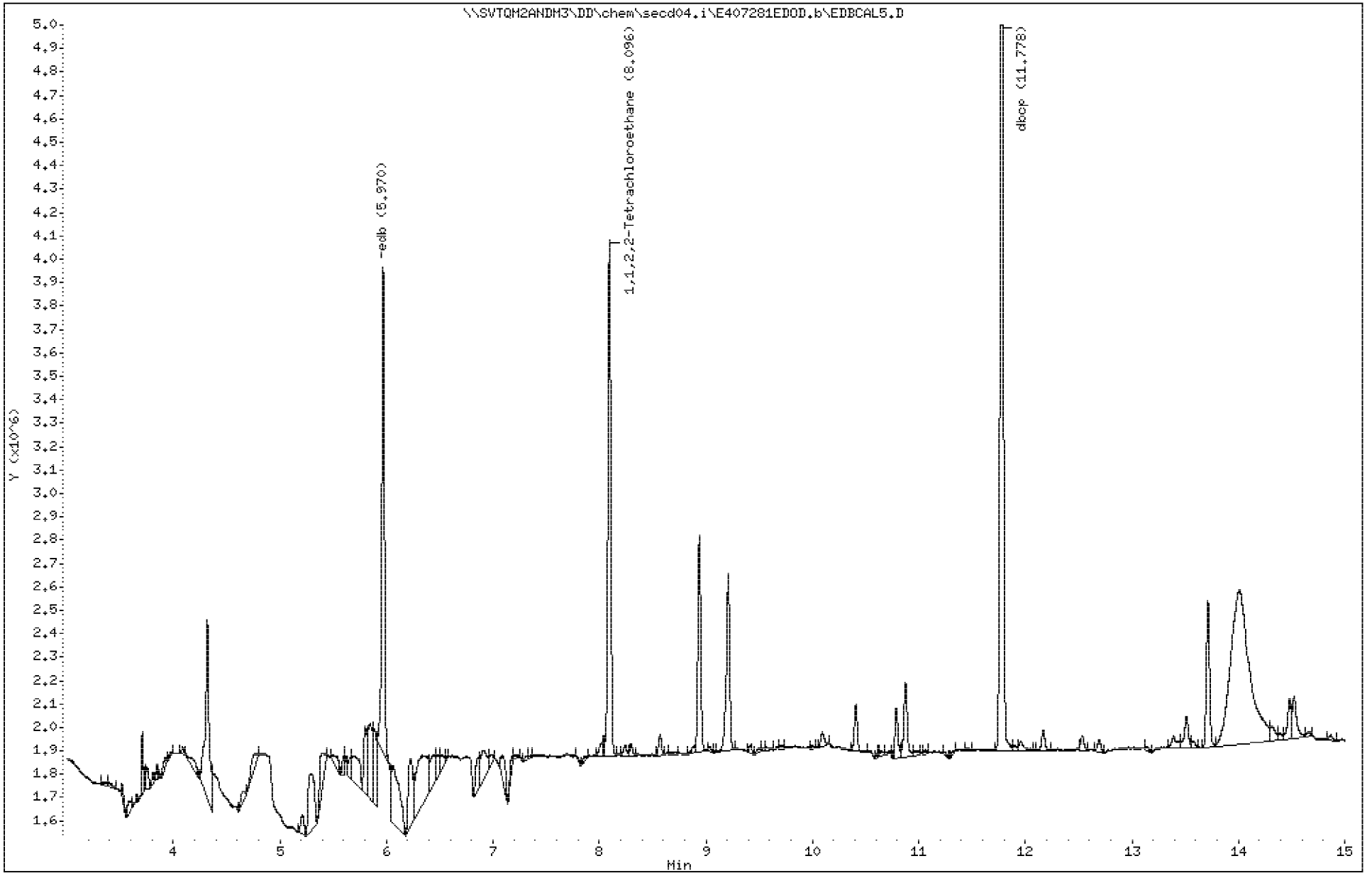
Sample Info: e42477cal05

Purge Volume: 35.7

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCAL4.D
Lab Smp Id: 42476CAL04 Client Smp ID: 42476CAL04
Inj Date : 28-JUL-2010 18:05
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42476cal04
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 17:41 Cal File: EDBCAL5.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
	1 edb	5.968	5.968	0.000	1733327	0.12000	0.12(M)
$	2 1,1,2,2-Tetrachloroethane	8.096	8.096	0.000	1994149	0.12000	0.12(M)
	3 dbcp	11.779	11.779	0.000	3820483	0.12000	0.12

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCAL4.D

Date : 28-JUL-2010 18:05

Client ID: 42476CAL04

Instrument: secd04.i

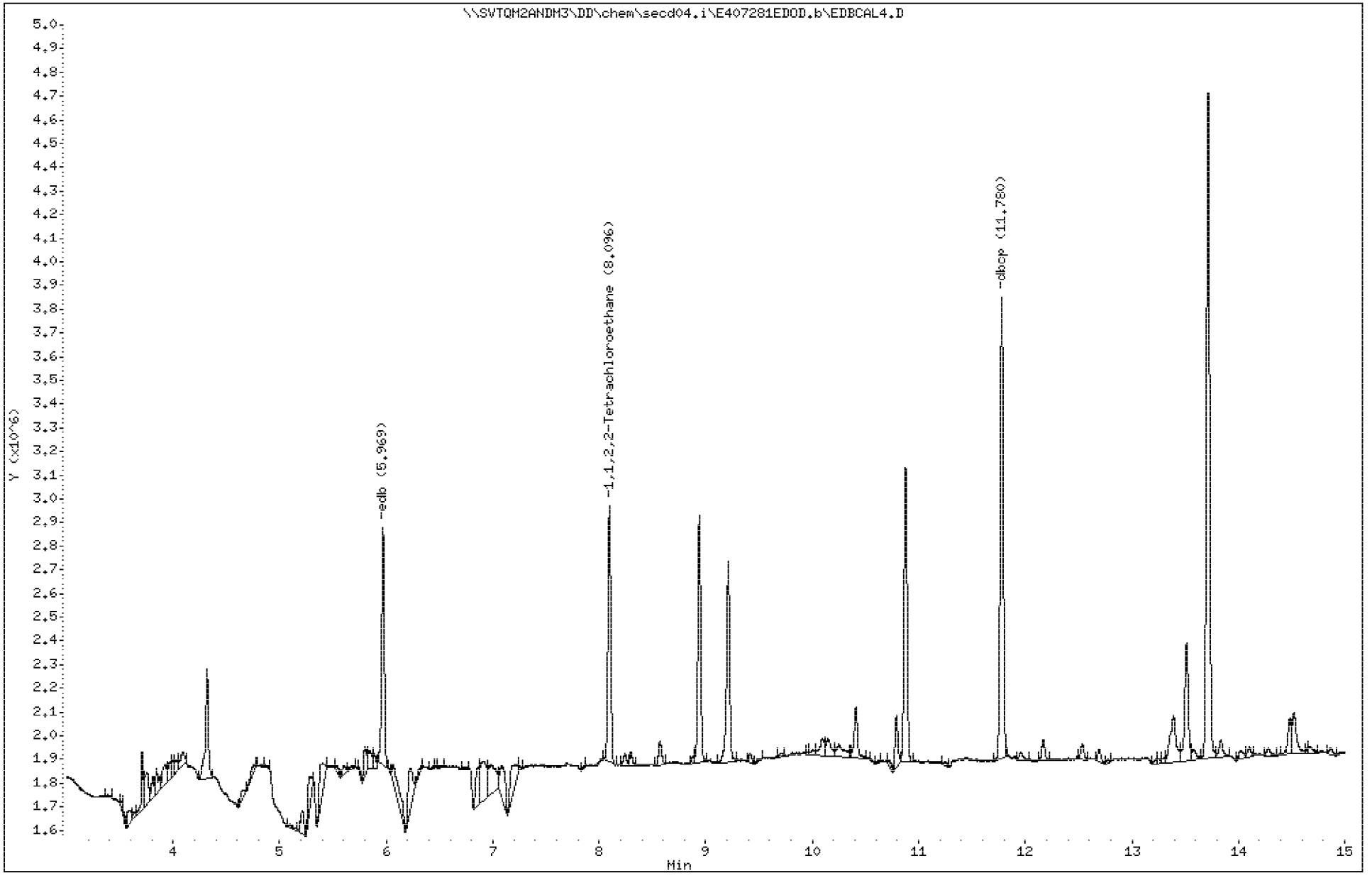
Sample Info: e42476cal04

Purge Volume: 35.2

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCA
Lab Smp Id: 42476CAL04 Client Smp ID: 42476CAL04
Inj Date : 28-JUL-2010 18:05
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42476cal04
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 17:41 Cal File: EDBCAL5.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	5.930	5.930	0.000	1795291	0.12000	0.13(M)
$ 2 1,1,2,2-Tetrachloroethane	8.172	8.172	0.000	2381394	0.12000	0.12
3 dbcp	11.980	11.980	0.000	4110252	0.12000	0.12

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCAL4.D

Date : 28-JUL-2010 18:05

Client ID: 42476CAL04

Instrument: secd04.i

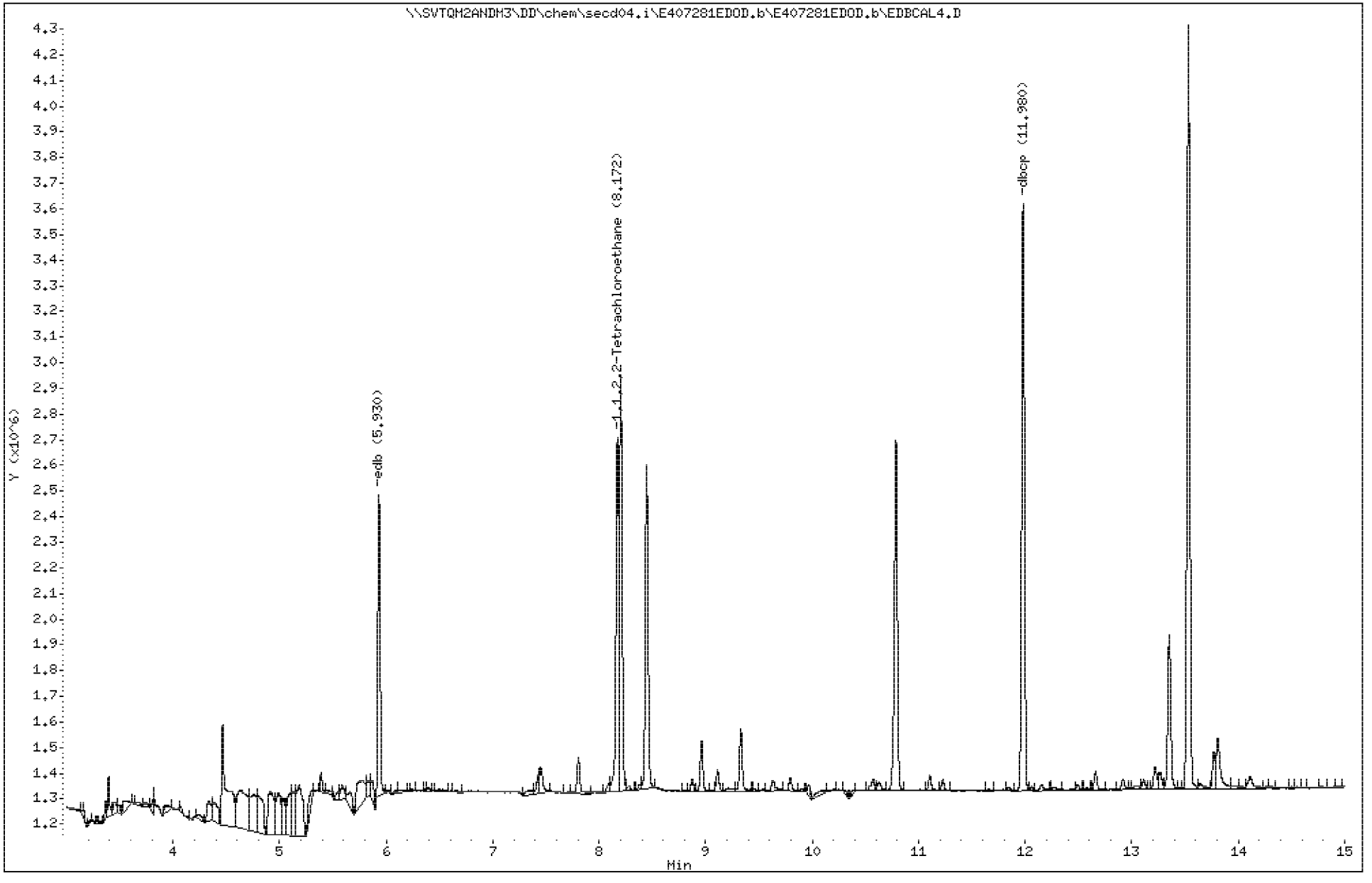
Sample Info: e42476cal04

Purge Volume: 35.2

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCAL3.D
Lab Smp Id: 42475CAL03 Client Smp ID: 42475CAL03
Inj Date : 28-JUL-2010 18:29
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42475cal03
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 18:05 Cal File: EDBCAL4.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
	1 edb	5.972	5.972	0.000	1193001	0.08000	0.086(M)
$	2 1,1,2,2-Tetrachloroethane	8.098	8.098	0.000	1295297	0.08000	0.079(M)
	3 dbcp	11.779	11.779	0.000	2703014	0.08000	0.083

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCAL3.D

Date : 28-JUL-2010 18:29

Client ID: 42475CAL03

Instrument: secd04.i

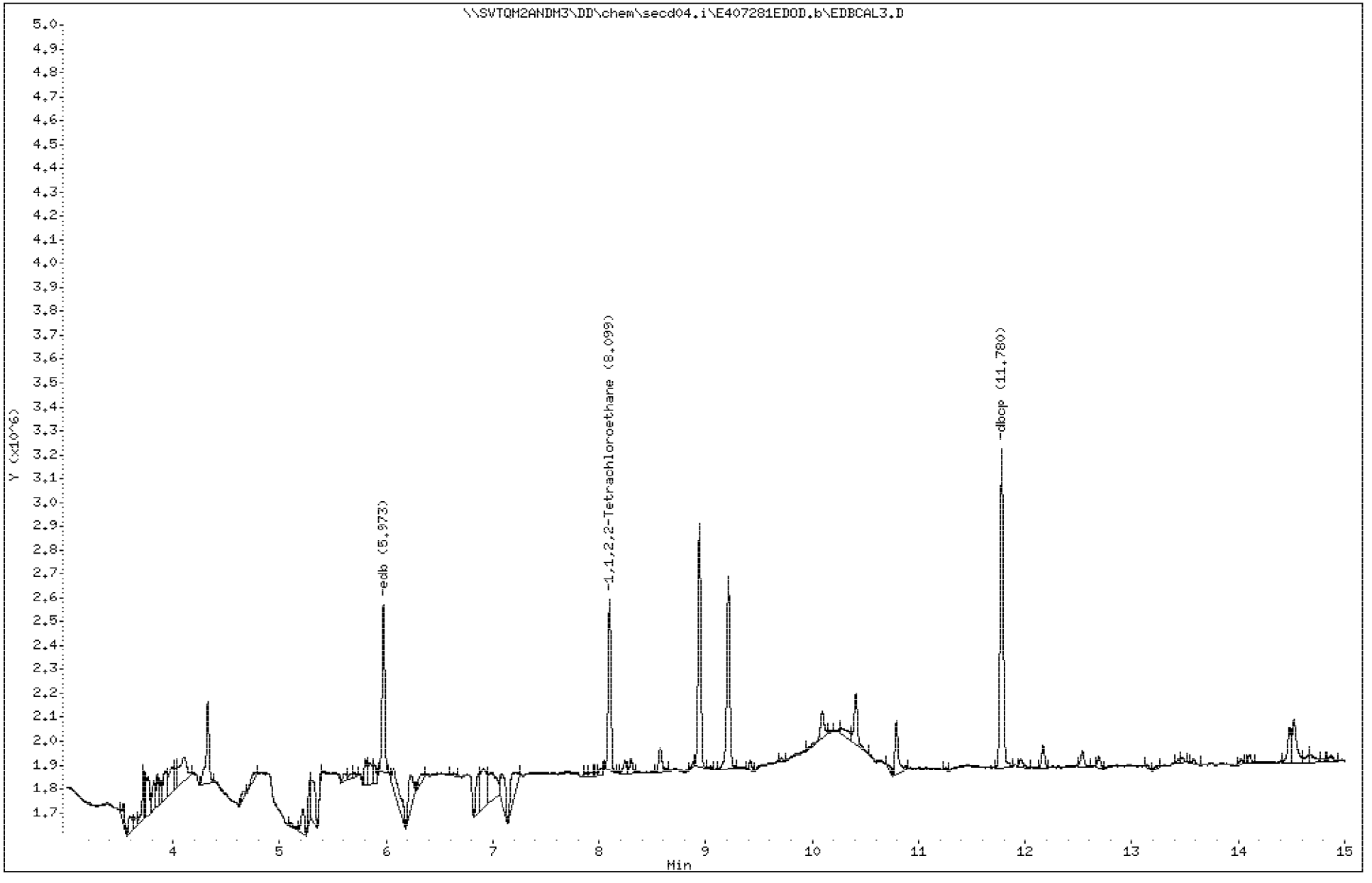
Sample Info: e42475cal03

Purge Volume: 35.3

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCA
Lab Smp Id: 42475CAL03 Client Smp ID: 42475CAL03
Inj Date : 28-JUL-2010 18:29
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42475cal03
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 18:05 Cal File: EDBCAL4.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 edb	5.935	5.935	0.000	1217757	0.08000	0.091(M)
$ 2 1,1,2,2-Tetrachloroethane	8.174	8.174	0.000	1560545	0.08000	0.081
3 dbcp	11.979	11.979	0.000	2832656	0.08000	0.083

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCAL3.D

Date : 28-JUL-2010 18:29

Client ID: 42475CAL03

Instrument: secd04.i

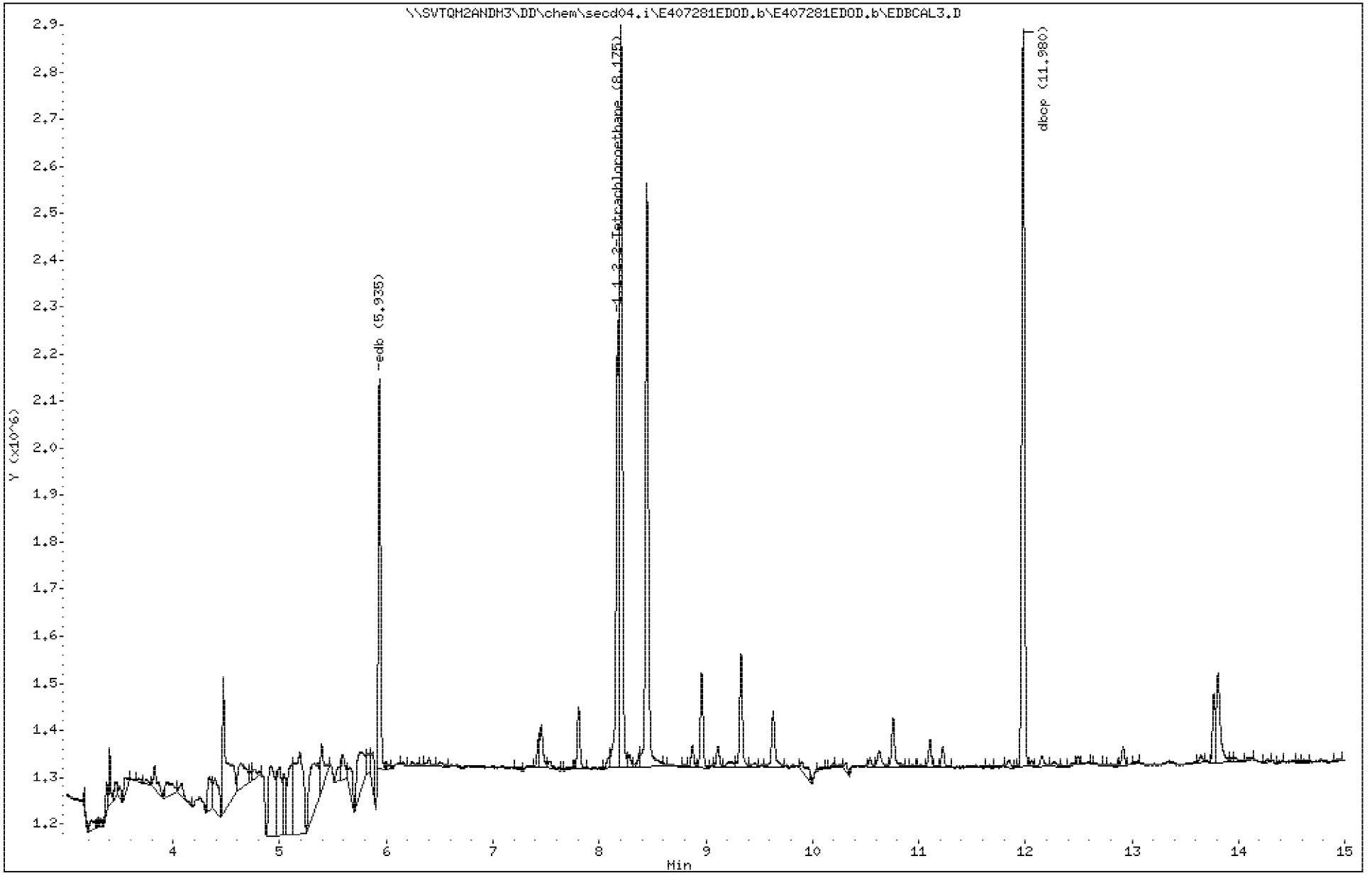
Sample Info: e42475cal03

Purge Volume: 35.3

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCAL2.D
Lab Smp Id: 42474CAL02 Client Smp ID: 42474CAL02
Inj Date : 28-JUL-2010 18:53
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42474cal02
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 18:29 Cal File: EDBCAL3.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
	1 edb	5.973	5.973	0.000	443319	0.04000	0.033(M)
$	2 1,1,2,2-Tetrachloroethane	8.098	8.098	0.000	569776	0.04000	0.038
	3 dbcp	11.779	11.779	0.000	1253583	0.04000	0.039

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCAL2.D

Date : 28-JUL-2010 18:53

Client ID: 42474CAL02

Instrument: secd04.i

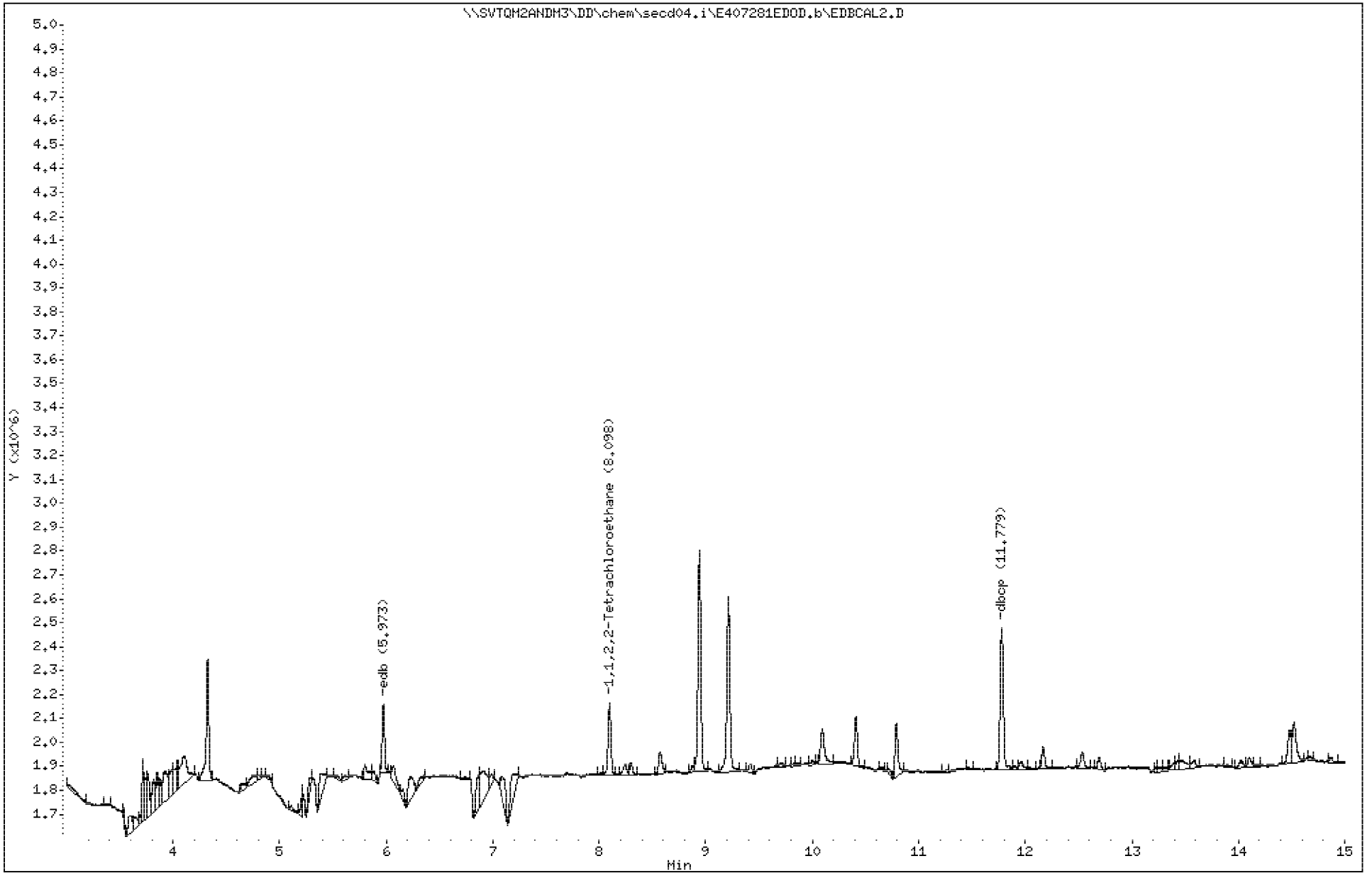
Sample Info: e42474cal02

Purge Volume: 35.7

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCA
Lab Smp Id: 42474CAL02 Client Smp ID: 42474CAL02
Inj Date : 28-JUL-2010 18:53
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42474cal02
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 18:29 Cal File: EDBCAL3.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	1 edb	5.934	5.934	0.000	514177	0.04000	0.038(M)
$	2 1,1,2,2-Tetrachloroethane	8.182	8.182	0.000	742955	0.04000	0.038(M)
	3 dbcp	11.980	11.980	0.000	1272078	0.04000	0.038

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCAL2.D

Date : 28-JUL-2010 18:53

Client ID: 42474CAL02

Instrument: secd04.i

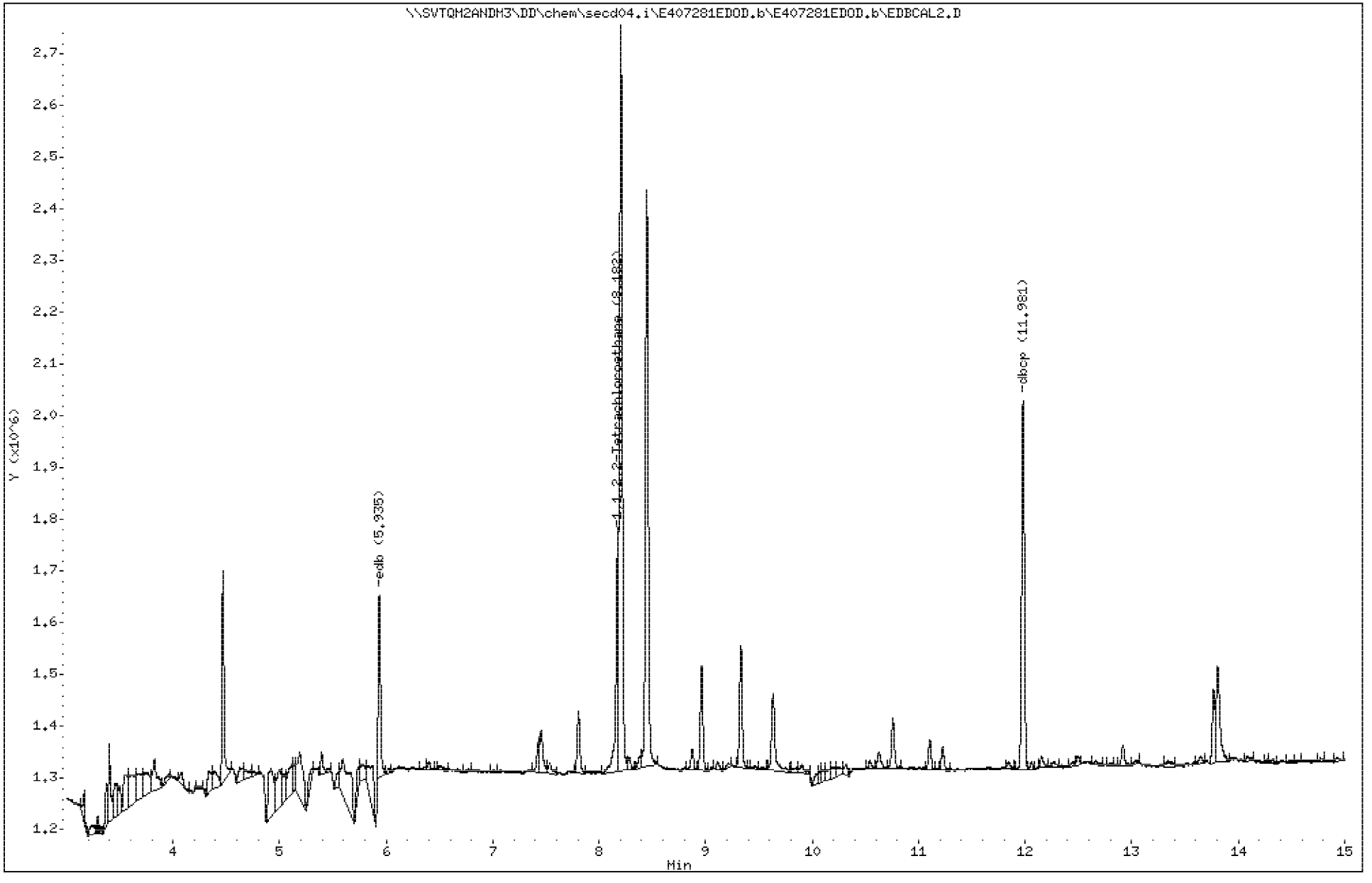
Sample Info: e42474cal02

Purge Volume: 35.7

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCAL1.D
Lab Smp Id: 42473CAL01 Client Smp ID: 42473CAL01
Inj Date : 28-JUL-2010 19:17
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42473cal01
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 18:53 Cal File: EDBCAL2.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 edb	5.973	5.973	0.000	150202	0.02000	0.012(M)
$ 2 1,1,2,2-Tetrachloroethane	8.096	8.096	0.000	294101	0.02000	0.022
3 dbcp	11.780	11.780	0.000	485460	0.02000	0.016

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCAL1.D

Date : 28-JUL-2010 19:17

Client ID: 42473CAL01

Instrument: secd04.i

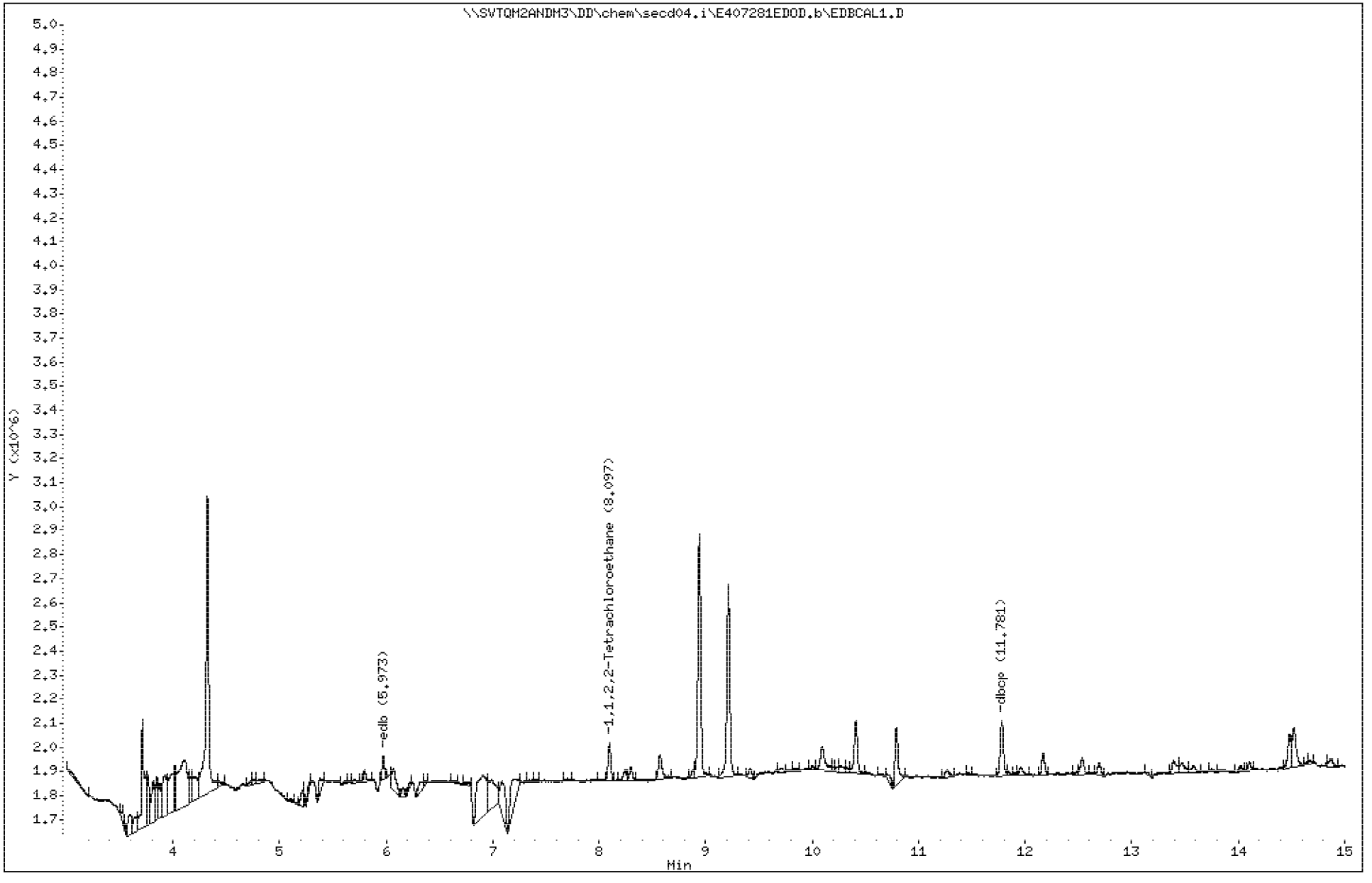
Sample Info: e42473cal01

Purge Volume: 35.5

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCA
Lab Smp Id: 42473CAL01 Client Smp ID: 42473CAL01
Inj Date : 28-JUL-2010 19:17
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42473cal01
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 18:53 Cal File: EDBCAL2.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	5.933	5.933	0.000	184942	0.02000	0.014(M)
$ 2 1,1,2,2-Tetrachloroethane	8.179	8.179	0.000	285770	0.02000	0.013(M)
3 dbcp	11.979	11.979	0.000	480988	0.02000	0.016

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCAL1.D

Date : 28-JUL-2010 19:17

Client ID: 42473CAL01

Instrument: secd04.i

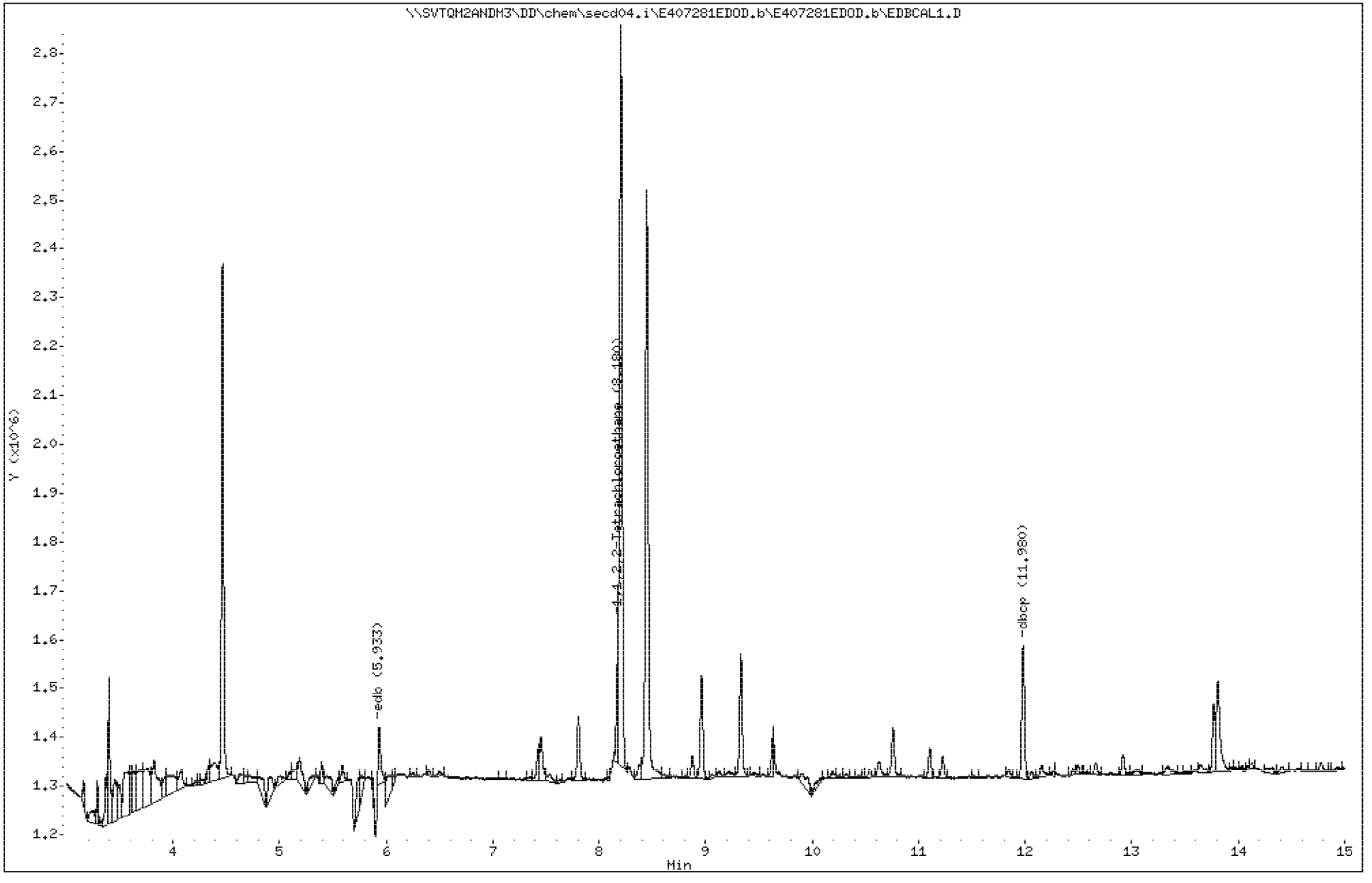
Sample Info: e42473cal01

Purge Volume: 35.5

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBSEC.D
Lab Smp Id: 42479CAL07 Client Smp ID: 42479CAL07
Inj Date : 28-JUL-2010 19:42
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42479cal07
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.974	5.974	0.000	1816294	0.12000	0.13(M)
$	2 1,1,2,2-Tetrachloroethane	8.099	8.099	0.000	2131800	0.12000	0.13
	3 dbcp	11.780	11.780	0.000	4410601	0.12000	0.13

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBSEC.D

Date : 28-JUL-2010 19:42

Client ID: 42479CAL07

Instrument: secd04.i

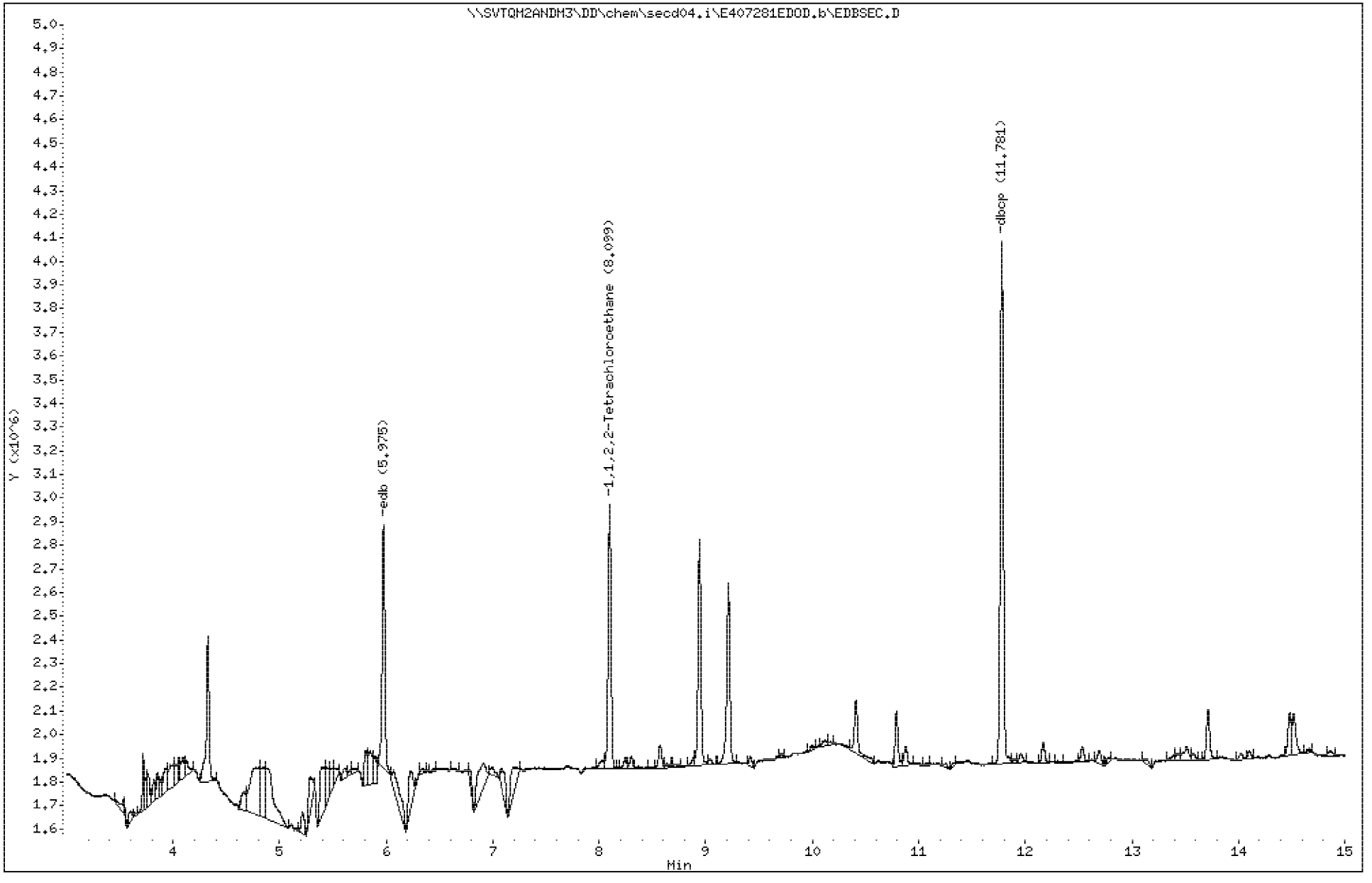
Sample Info: e42479cal07

Purge Volume: 35.2

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBSE
Lab Smp Id: 42479CAL07 Client Smp ID: 42479CAL07
Inj Date : 28-JUL-2010 19:42
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42479cal07
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.935	5.935	0.000	1846654	0.12000	0.14(M)
$	2 1,1,2,2-Tetrachloroethane	8.174	8.174	0.000	2444822	0.12000	0.13
	3 dbcp	11.980	11.980	0.000	4590248	0.12000	0.13

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBSEC.D

Date : 28-JUL-2010 19:42

Client ID: 42479CAL07

Instrument: secd04.i

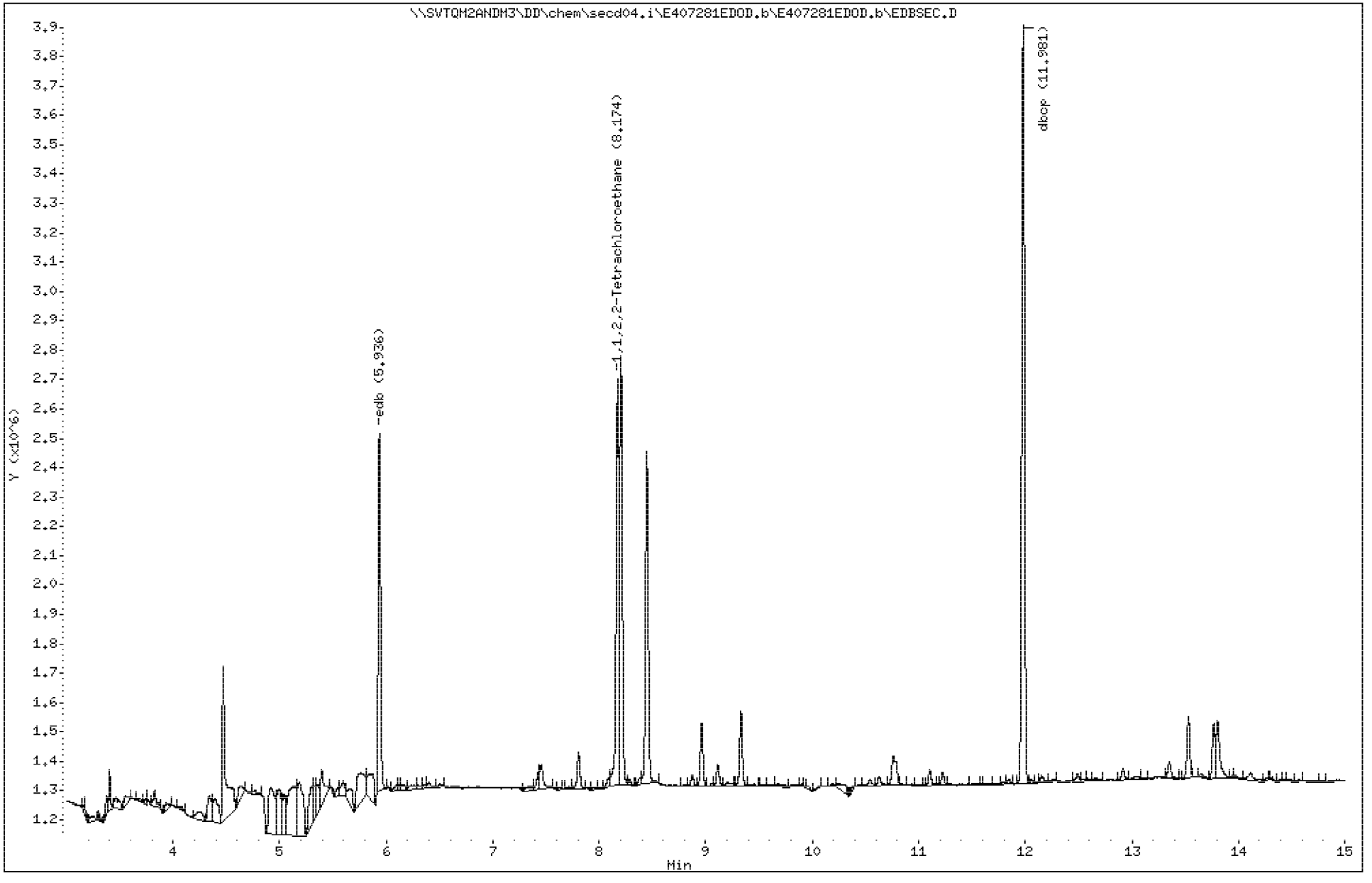
Sample Info: e42479cal07

Purge Volume: 35.2

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCC
Lab Smp Id: 42476CAL04 Client Smp ID: 42476CAL04
Inj Date : 28-JUL-2010 23:45
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42476cal04
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.935	5.935	0.000	1711006	0.12000	0.13(M)
$	2 1,1,2,2-Tetrachloroethane	8.173	8.173	0.000	2422168	0.12000	0.13
	3 dbcp	11.980	11.980	0.000	4565905	0.12000	0.13

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCCV2.D

Date : 28-JUL-2010 23:45

Client ID: 42476CAL04

Instrument: secd04.i

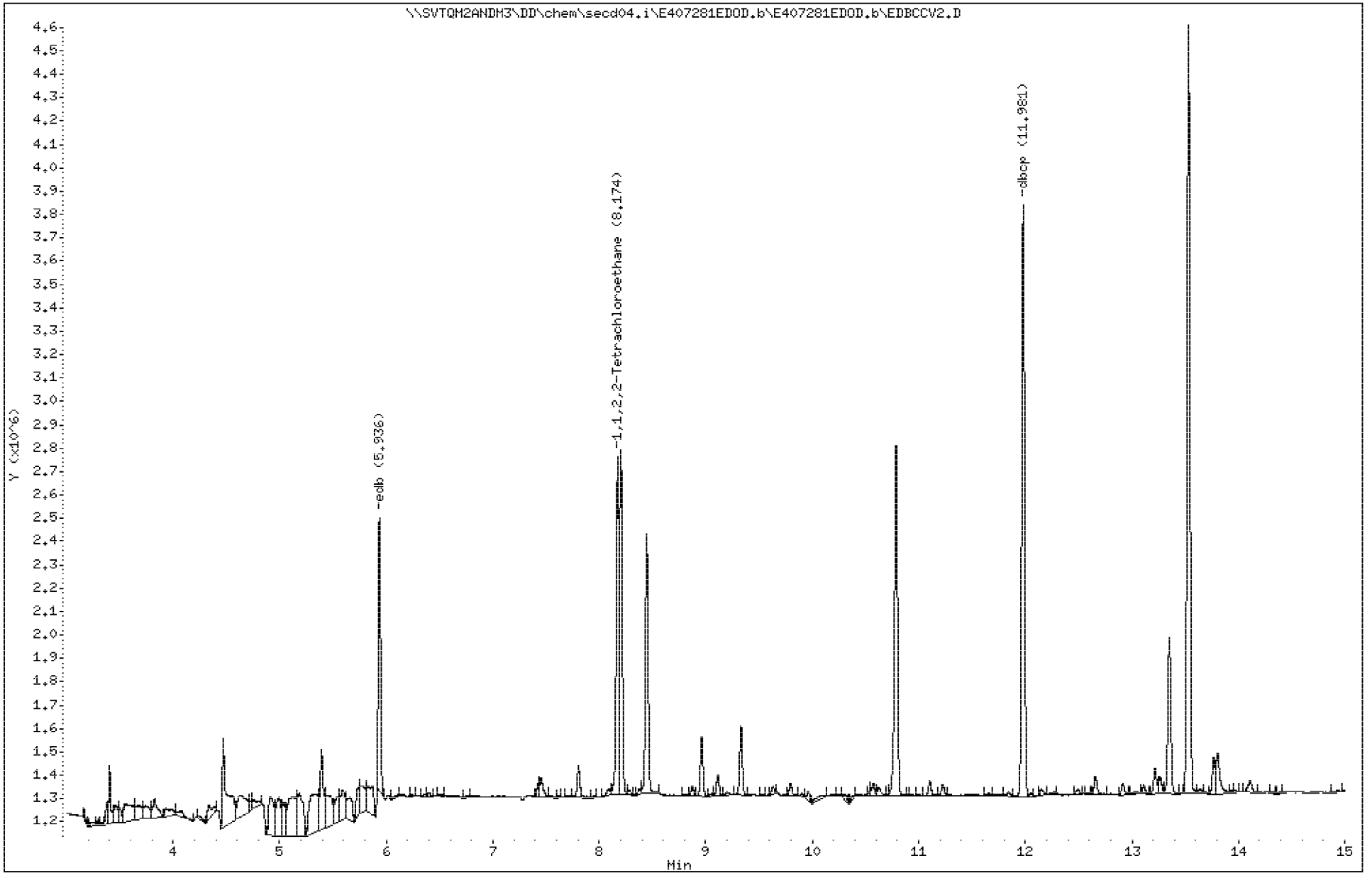
Sample Info: e42476cal04

Purge Volume: 35.2

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCCV2.D
Lab Smp Id: 42476CAL04 Client Smp ID: 42476CAL04
Inj Date : 28-JUL-2010 23:45
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42476cal04
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.973	5.973	0.000	1750830	0.12000	0.12(M)
$	2 1,1,2,2-Tetrachloroethane	8.098	8.098	0.000	2317436	0.12000	0.14
	3 dbcp	11.780	11.780	0.000	4342766	0.12000	0.13

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCCV2.D

Date : 28-JUL-2010 23:45

Client ID: 42476CAL04

Instrument: secd04.i

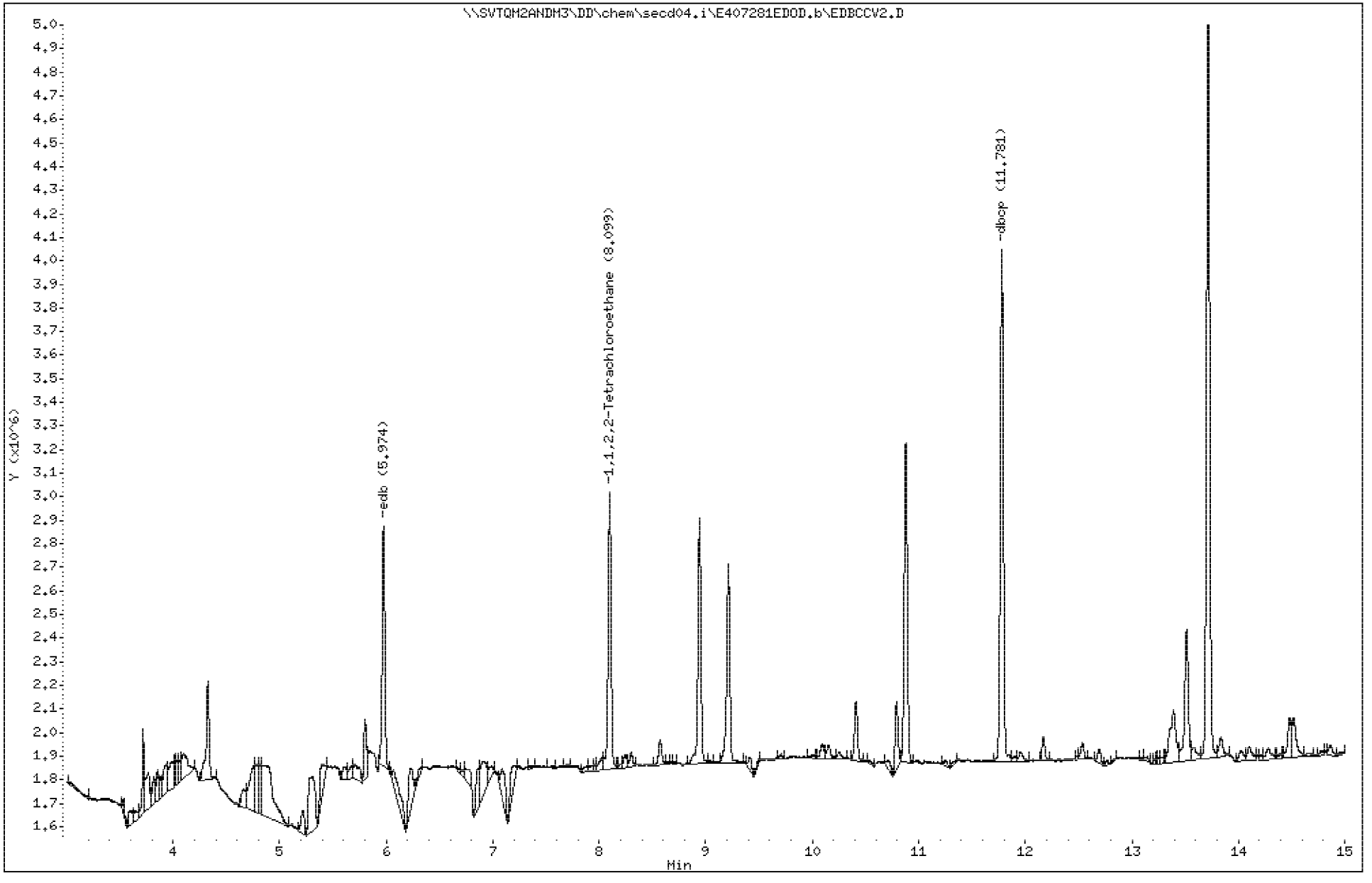
Sample Info: e42476cal04

Purge Volume: 35.2

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\248BLK.D
Lab Smp Id: 42226MB Client Smp ID: 42226MB
Inj Date : 29-JUL-2010 00:10
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42226mb
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 17 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 2 1,1,2,2-Tetrachloroethane	8.096	8.098	-0.002	4430156	0.25855	0.26(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\248BLK.D

Date : 29-JUL-2010 00:10

Client ID: 42226MB

Instrument: secd04.i

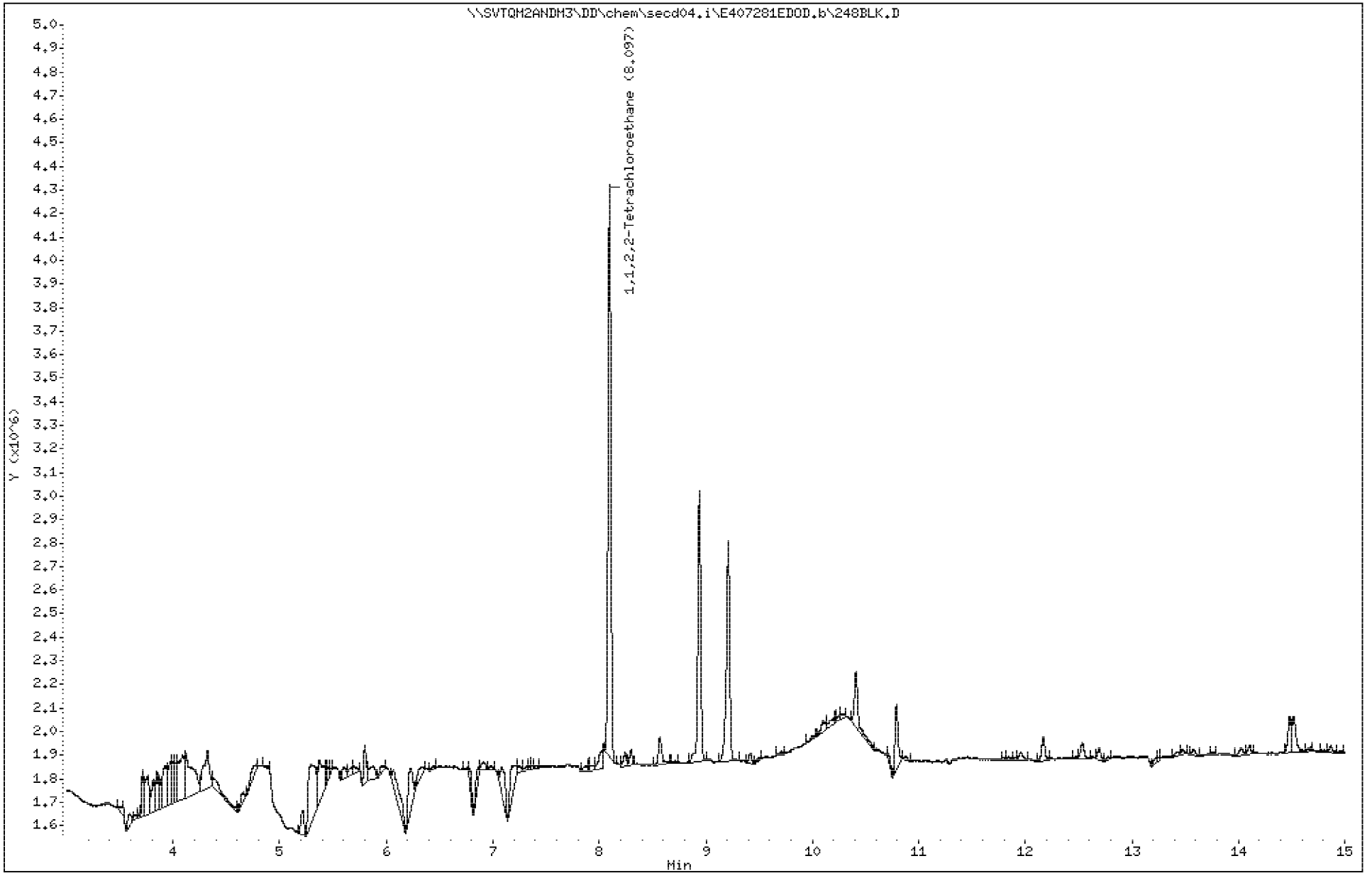
Sample Info: e42226mb

Purge Volume: 35.1

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\248BL
Lab Smp Id: 42226MB Client Smp ID: 42226MB
Inj Date : 29-JUL-2010 00:10
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42226mb
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 17 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 2 1,1,2,2-Tetrachloroethane	8.171	8.173	-0.002	5285846	0.27848	0.28

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\248BLK.D

Date : 29-JUL-2010 00:10

Client ID: 42226MB

Instrument: secd04.i

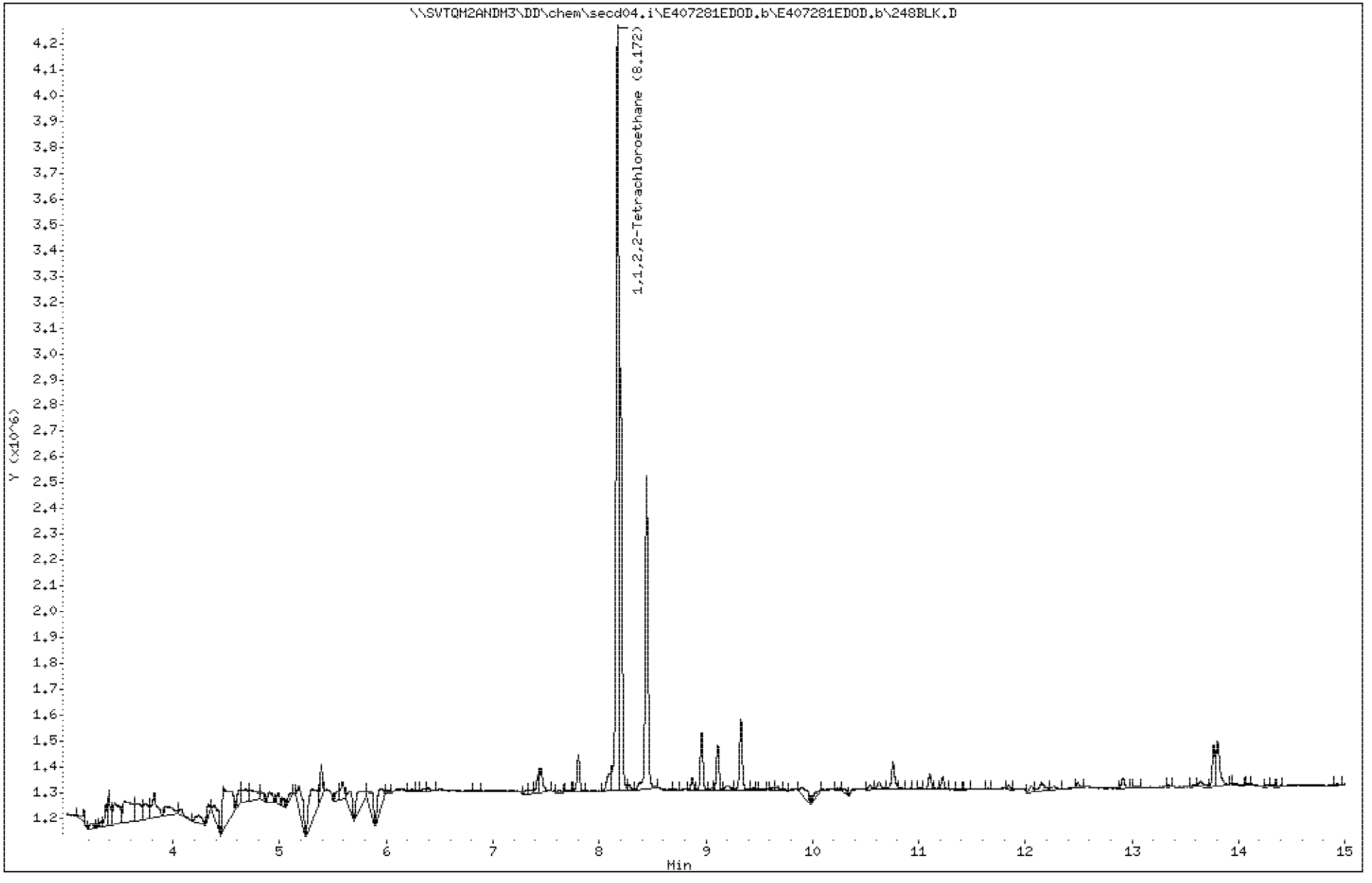
Sample Info: e42226mb

Purge Volume: 35.1

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\248LC
Lab Smp Id: 42224LCS Client Smp ID: 42224LCS
Inj Date : 29-JUL-2010 00:34
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42224lcs
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 18 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 edb	5.934	5.935	-0.001	2069449	0.15409	0.15(M)
$ 2 1,1,2,2-Tetrachloroethane	8.172	8.173	-0.001	5844914	0.30811	0.31(M)
3 dbcp	11.980	11.980	0.000	6301993	0.18227	0.18(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\248LCS.D

Date : 29-JUL-2010 00:34

Client ID: 42224LCS

Instrument: secd04.i

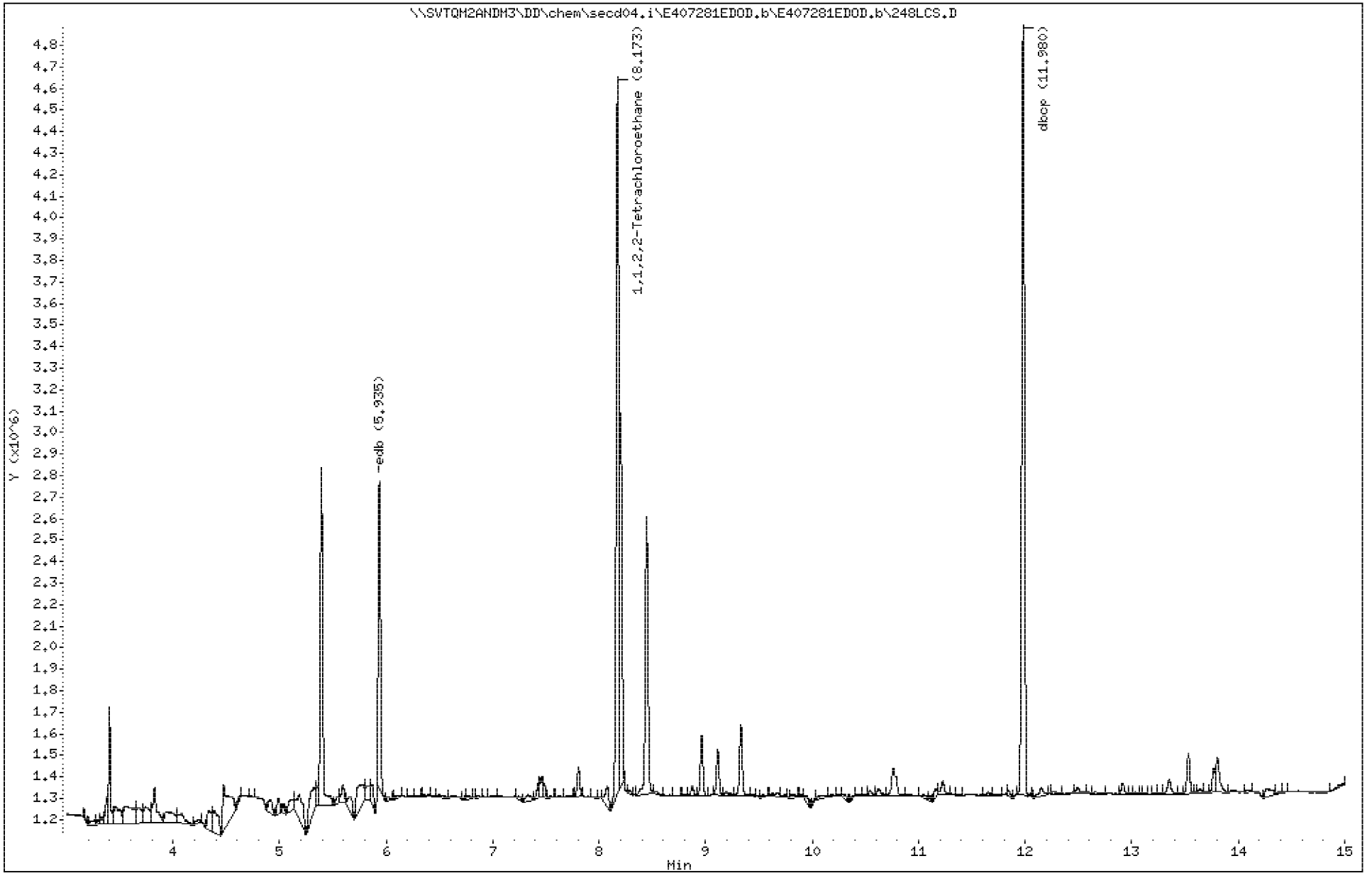
Sample Info: e422241cs

Purge Volume: 35.6

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\248LCS.D
Lab Smp Id: 42224LCS Client Smp ID: 42224LCS
Inj Date : 29-JUL-2010 00:34
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42224lcs
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 18 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 edb	5.973	5.973	0.000	2148001	0.15380	0.15(M)
$	2 1,1,2,2-Tetrachloroethane	8.098	8.098	0.000	4866964	0.28354	0.28(M)
	3 dbcp	11.780	11.780	0.000	5996283	0.18237	0.18(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\248LCS.D

Date : 29-JUL-2010 00:34

Client ID: 42224LCS

Instrument: secd04.i

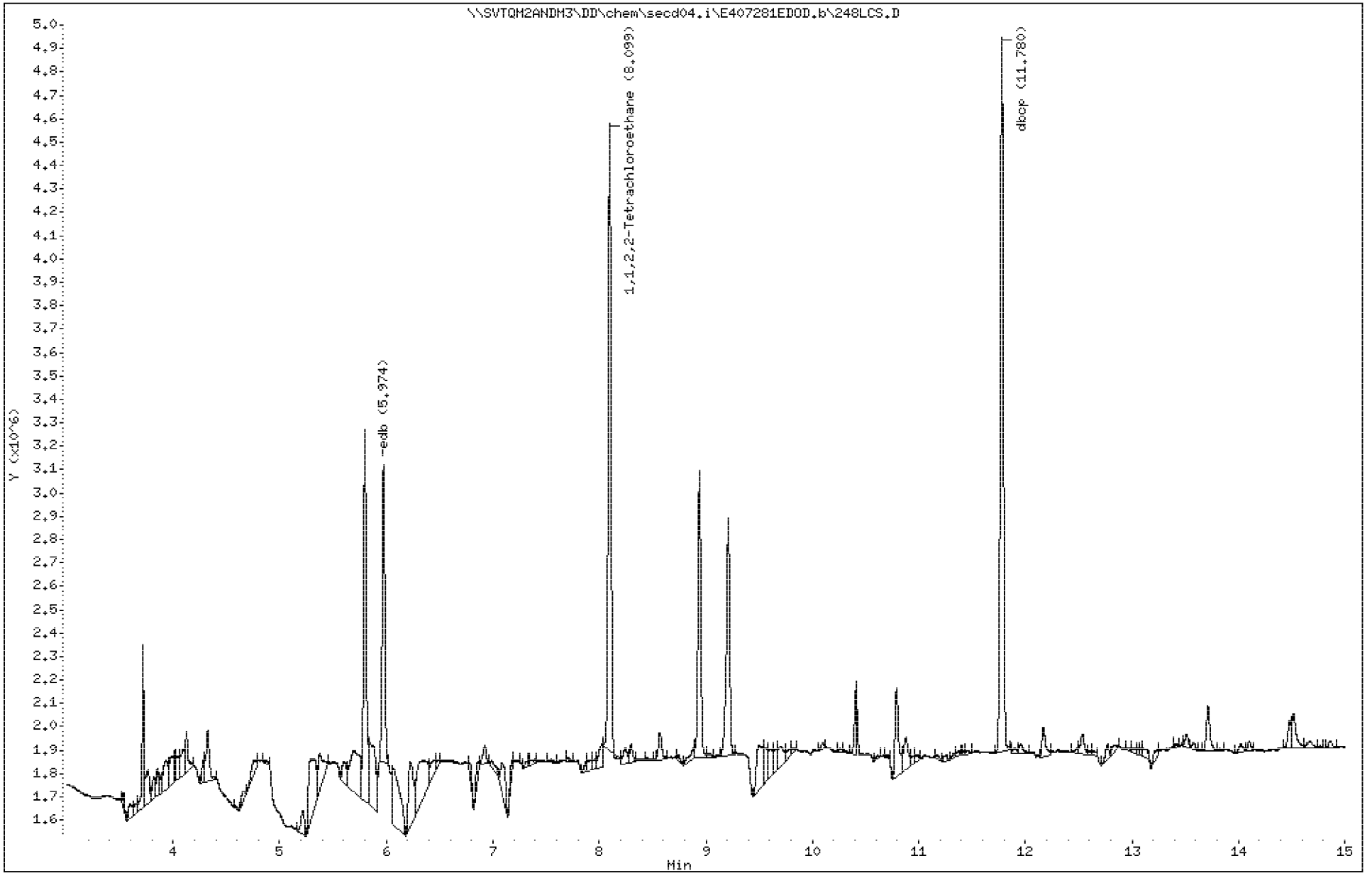
Sample Info: e422241cs

Purge Volume: 35.6

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\248LCSD.D
Lab Smp Id: 42225LCSD Client Smp ID: 42225LCSD
Inj Date : 29-JUL-2010 00:59
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42225lcsd
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 19 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 edb	5.974	5.973	0.001	2134396	0.15283	0.15(M)
$	2 1,1,2,2-Tetrachloroethane	8.098	8.098	0.000	4391195	0.25633	0.26(M)
	3 dbcp	11.780	11.780	0.000	5092508	0.15513	0.16

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\248LCSD.D

Date : 29-JUL-2010 00:59

Client ID: 42225LCSD

Instrument: secd04.i

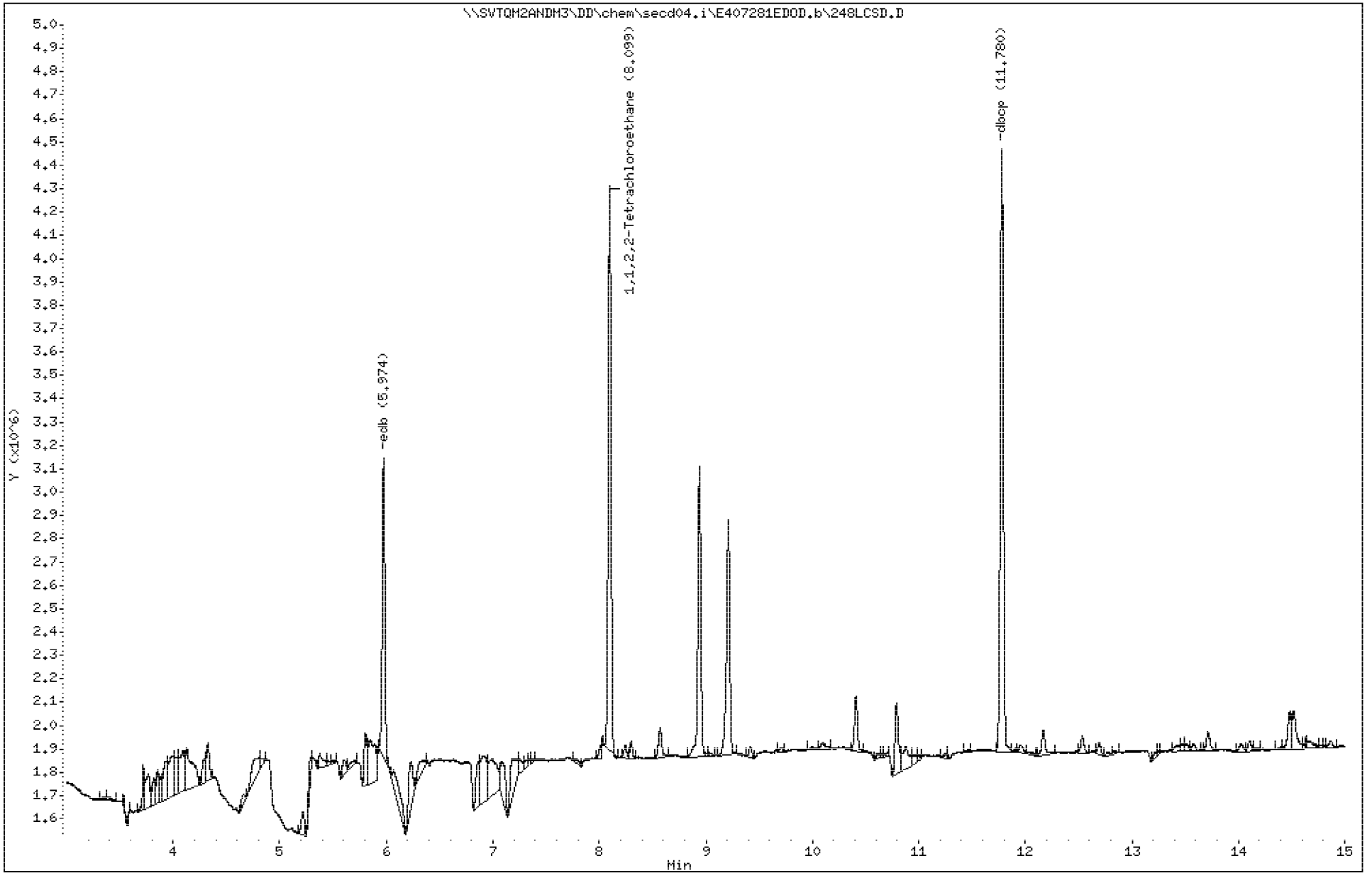
Sample Info: e422251csd

Purge Volume: 35.2

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\248LC
Lab Smp Id: 42225LCSD Client Smp ID: 42225LCSD
Inj Date : 29-JUL-2010 00:59
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42225lcsd
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 19 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 edb	5.935	5.935	0.000	2161433	0.16094	0.16(M)
$ 2 1,1,2,2-Tetrachloroethane	8.173	8.173	0.000	4954039	0.26089	0.26(M)
3 dbcp	11.980	11.980	0.000	5336494	0.15468	0.15

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\248LCSD.D

Date : 29-JUL-2010 00:59

Client ID: 42225LCSD

Instrument: secd04.i

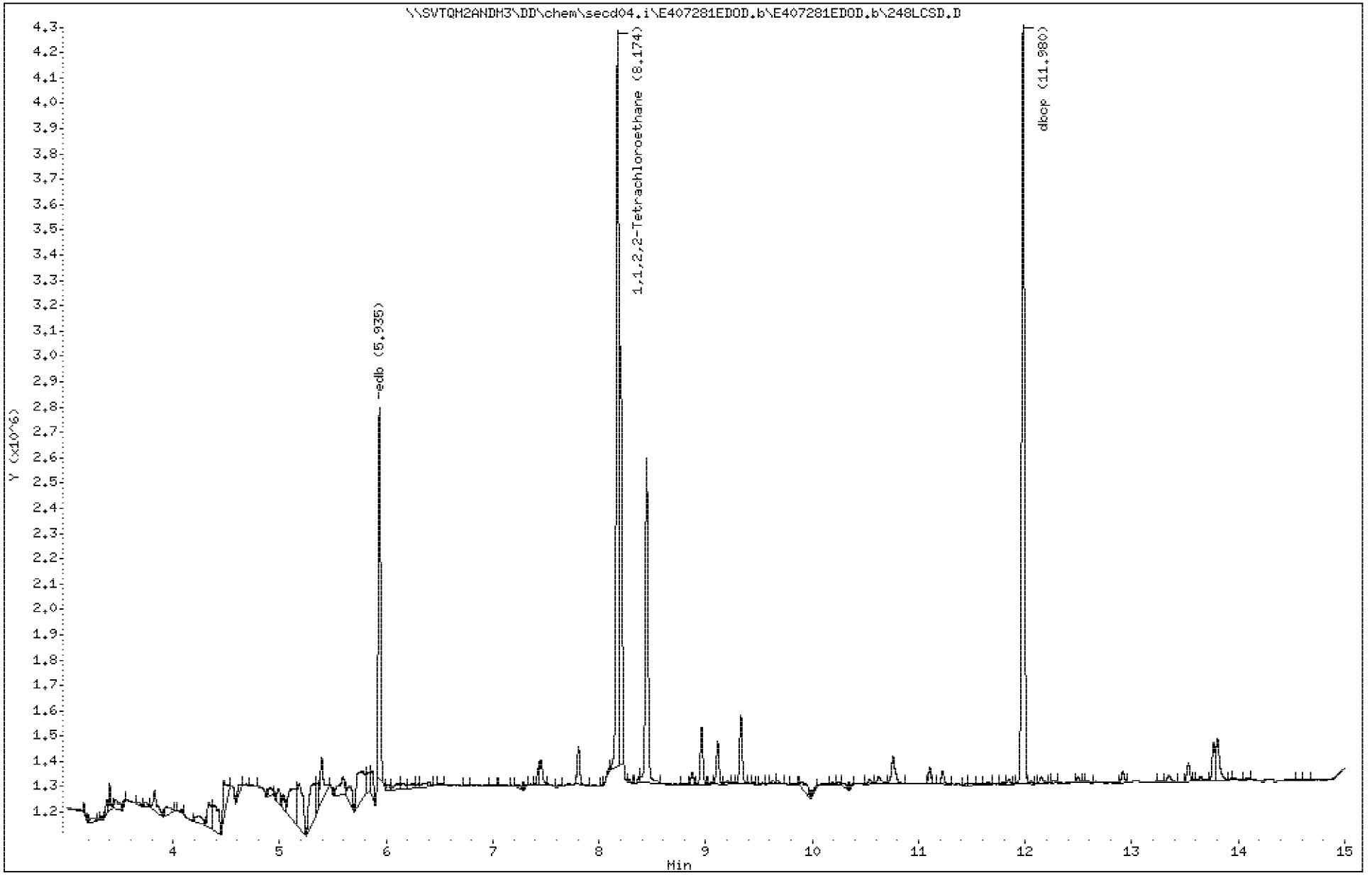
Sample Info: e422251csd

Purge Volume: 35.2

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCC
Lab Smp Id: 42476CAL04 Client Smp ID: 42476CAL04
Inj Date : 29-JUL-2010 02:12
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42476cal04
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.934	5.934	0.000	1780691	0.12000	0.13(M)
$	2 1,1,2,2-Tetrachloroethane	8.173	8.173	0.000	2521720	0.12000	0.13
	3 dbcp	11.979	11.979	0.000	4640684	0.12000	0.13

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\E407281EDOD.b\EDBCCV3.D

Date : 29-JUL-2010 02:12

Client ID: 42476CAL04

Instrument: secd04.i

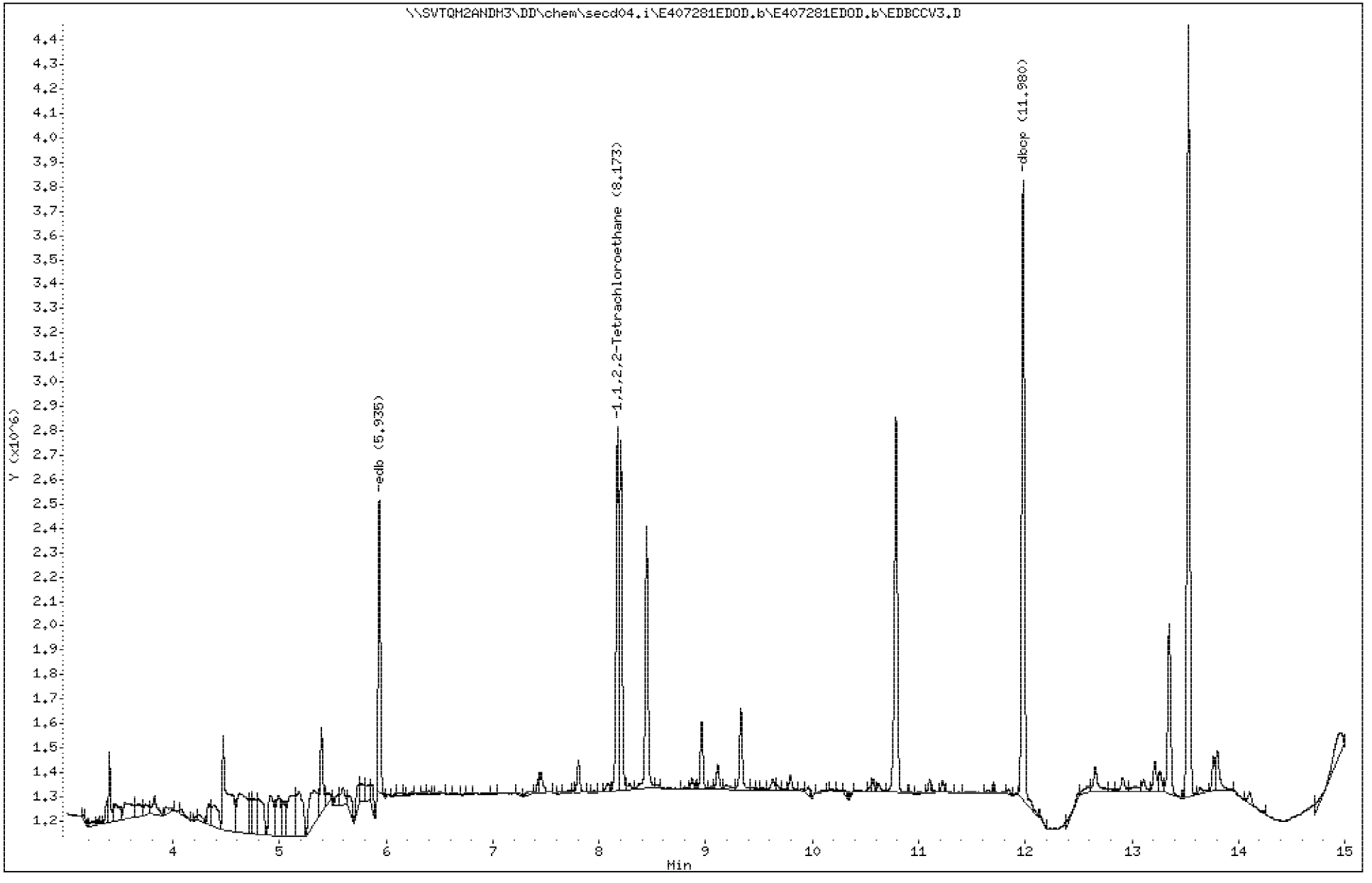
Sample Info: e42476cal04

Purge Volume: 35.2

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCCV3.D
Lab Smp Id: 42476CAL04 Client Smp ID: 42476CAL04
Inj Date : 29-JUL-2010 02:12
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42476cal04
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\8011.m
Meth Date : 06-Aug-2010 09:16 secd04.i Quant Type: ESTD
Cal Date : 28-JUL-2010 19:17 Cal File: EDBCAL1.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.974	5.974	0.000	1808025	0.12000	0.13(M)
$	2 1,1,2,2-Tetrachloroethane	8.098	8.098	0.000	2267867	0.12000	0.13
	3 dbcp	11.780	11.780	0.000	3668889	0.12000	0.11

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E407281EDOD.b\EDBCCV3.D

Date : 29-JUL-2010 02:12

Client ID: 42476CAL04

Instrument: secd04.i

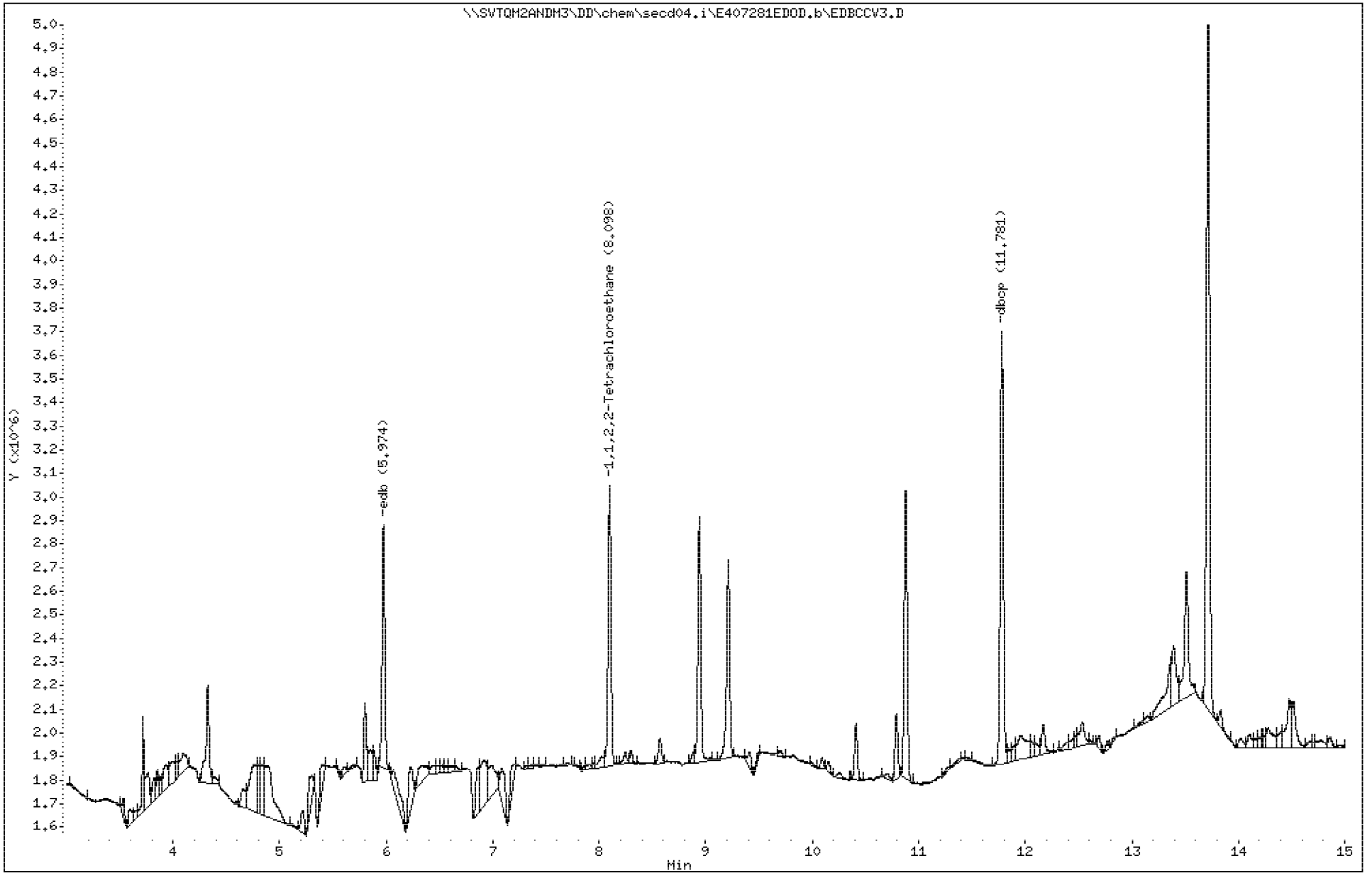
Sample Info: e42476cal04

Purge Volume: 35.2

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCAL6.D
Lab Smp Id: 43131CAL06 Client Smp ID: 43131CAL06
Inj Date : 03-AUG-2010 13:39
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43131cal06
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:20 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 86 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.928	5.928	0.000	7170236	0.48000	0.47(M)
$	2 1,1,2,2-Tetrachloroethane	8.164	8.164	0.000	9432994	0.48000	0.48(M)
	3 dbcp	11.969	11.969	0.000	18805299	0.48000	0.48(AM)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCAL6.D

Date : 03-AUG-2010 13:39

Client ID: 43131CAL06

Instrument: secd04.i

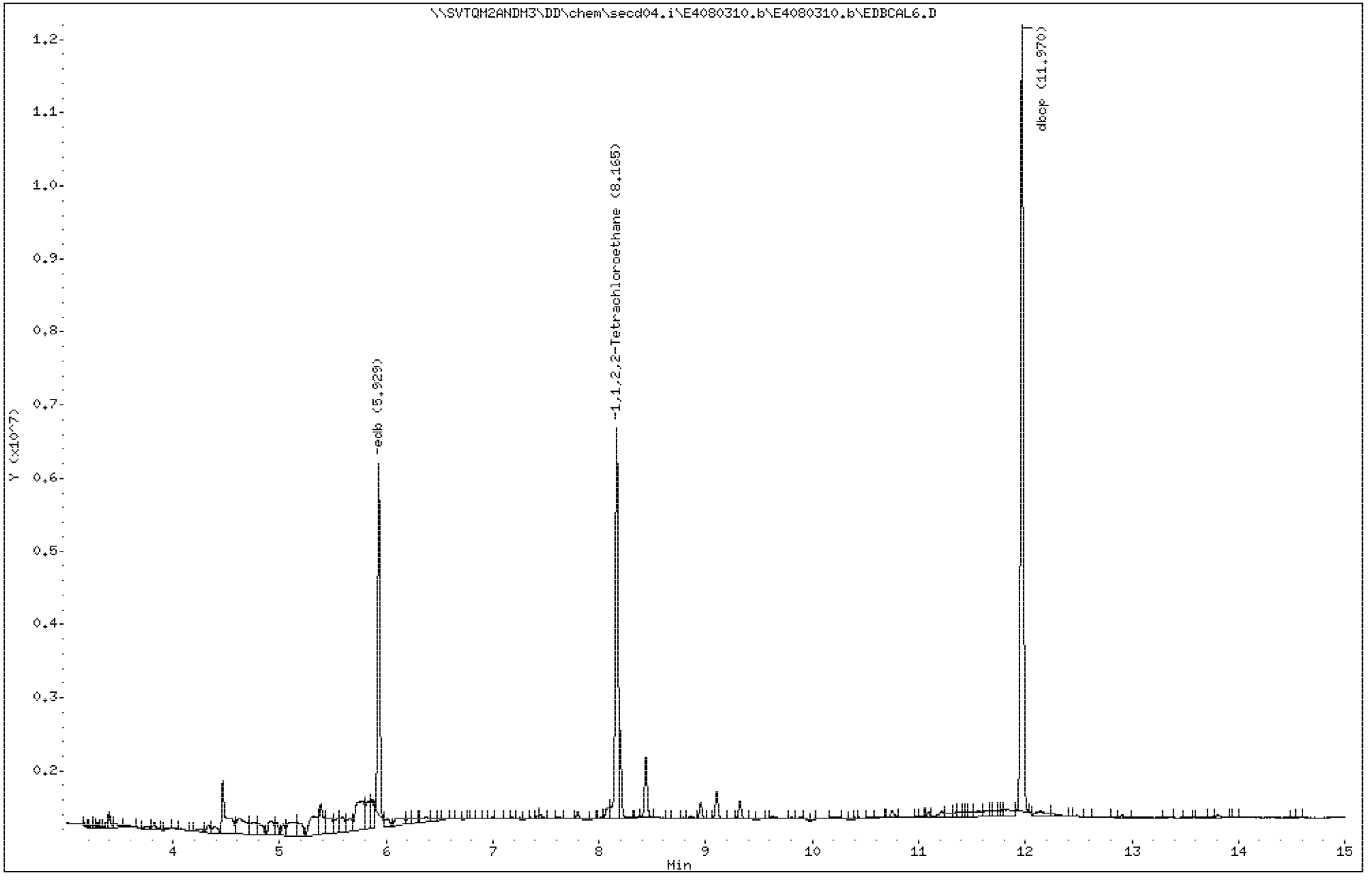
Sample Info: e43131cal06

Purge Volume: 35.2

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCAL6.D
Lab Smp Id: 43131CAL06 Client Smp ID: 43131CAL06
Inj Date : 03-AUG-2010 13:39
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43131cal06
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:20 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 86 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	1 edb	5.969	5.969	0.000	6506621	0.48000	0.43(M)
$	2 1,1,2,2-Tetrachloroethane	8.092	8.092	0.000	8210512	0.48000	0.47
	3 dbcp	11.772	11.772	0.000	16244340	0.48000	0.47(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCAL6.D

Date : 03-AUG-2010 13:39

Client ID: 43131CAL06

Instrument: secd04.i

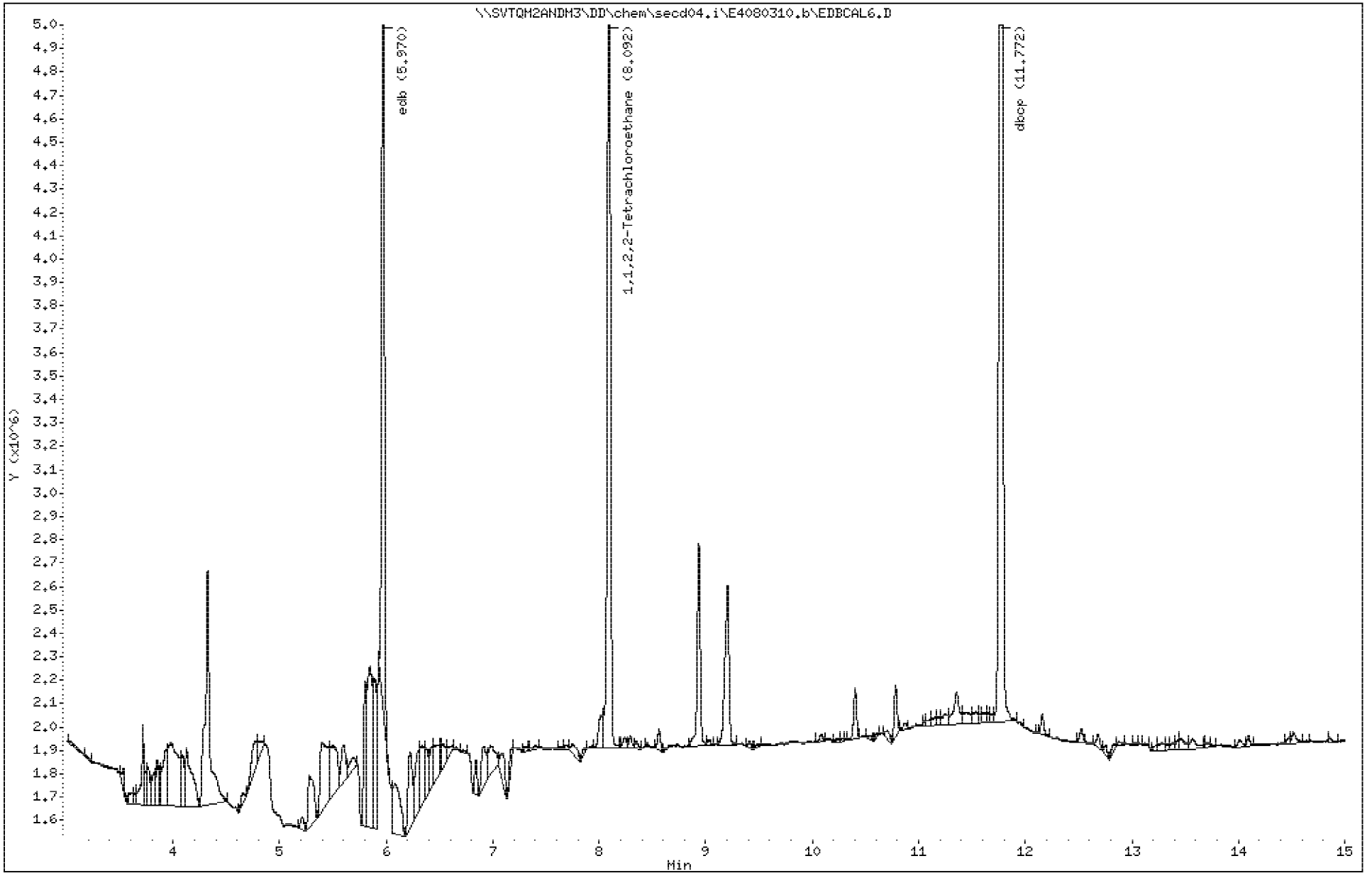
Sample Info: e43131cal06

Purge Volume: 35.2

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCAL5.D
Lab Smp Id: 43130CAL05 Client Smp ID: 43130CAL05
Inj Date : 03-AUG-2010 14:05
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43130cal05
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:20 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 13:39 Cal File: EDBCAL6.D
Als bottle: 87 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

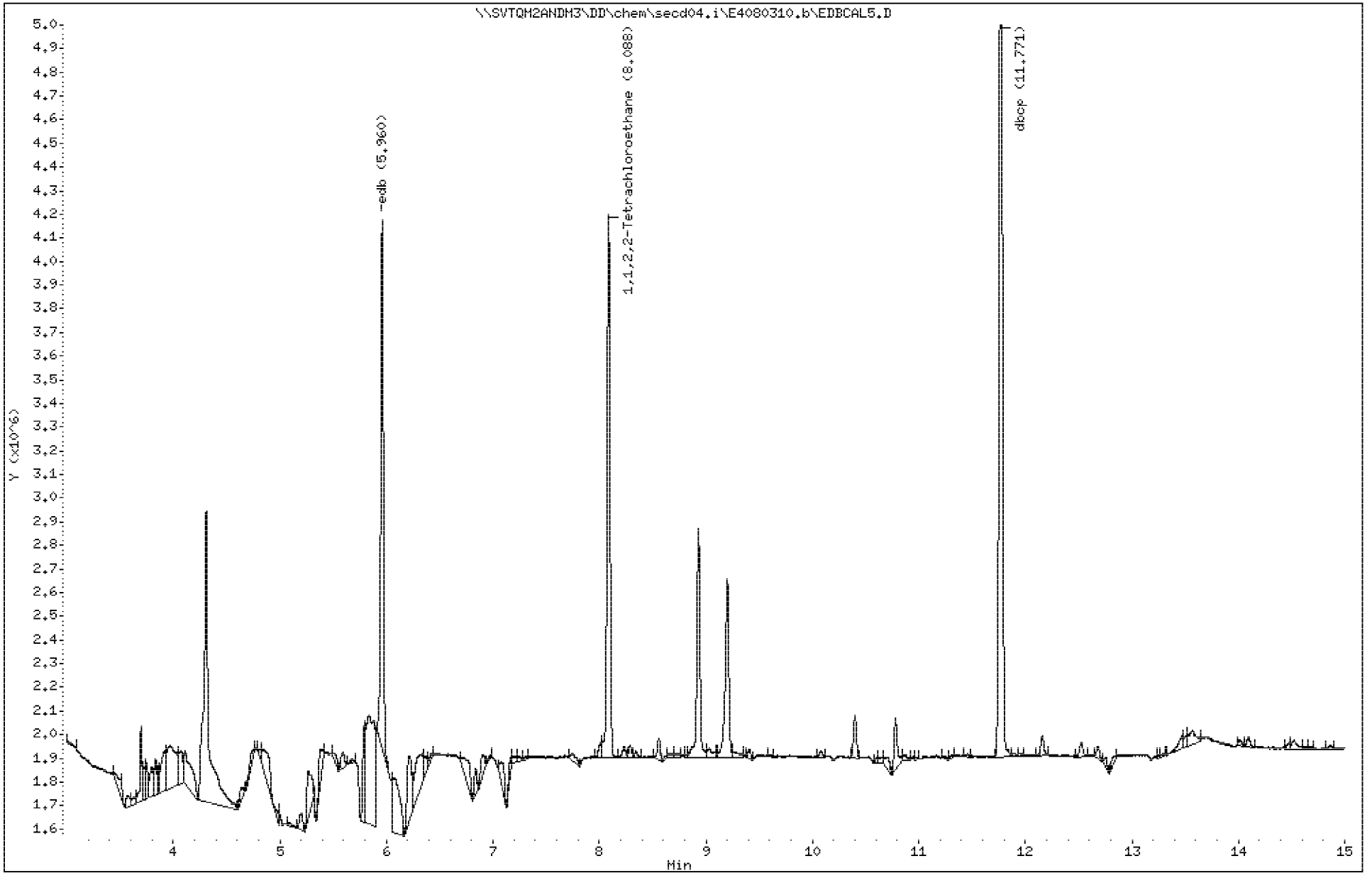
						AMOUNTS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	1 edb	5.960	5.960	0.000	3799777	0.24000	0.25(M)
$	2 1,1,2,2-Tetrachloroethane	8.088	8.088	0.000	4411669	0.24000	0.25
	3 dbcp	11.770	11.770	0.000	8804597	0.24000	0.25(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCAL5.D
Date : 03-AUG-2010 14:05
Client ID: 43130CAL05
Sample Info: e43130cal05
Purge Volume: 35.0
Column phase: Stx-CLPesticides1

Instrument: secd04.i
Operator: PEL Labs
Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCAL5.D
Lab Smp Id: 43130CAL05 Client Smp ID: 43130CAL05
Inj Date : 03-AUG-2010 14:05
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43130cal05
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:20 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 13:39 Cal File: EDBCAL6.D
Als bottle: 87 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	1 edb	5.920	5.920	0.000	3931547	0.24000	0.26
$	2 1,1,2,2-Tetrachloroethane	8.160	8.160	0.000	4741118	0.24000	0.24(M)
	3 dbcp	11.968	11.968	0.000	9318152	0.24000	0.24(AM)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCAL5.D

Date : 03-AUG-2010 14:05

Client ID: 43130CAL05

Instrument: secd04.i

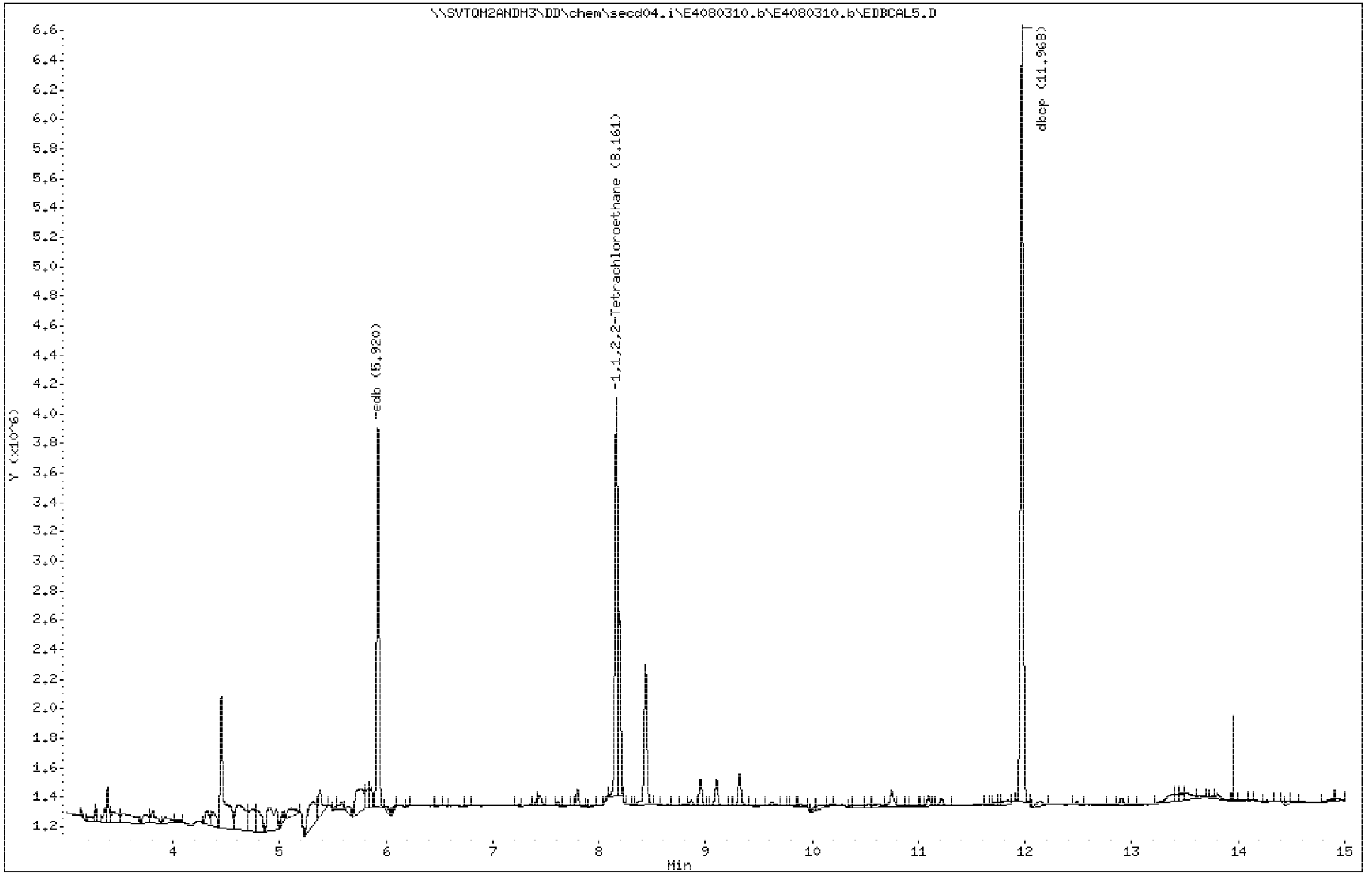
Sample Info: e43130cal05

Purge Volume: 35.0

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCAL4.D
Lab Smp Id: 43129CAL04 Client Smp ID: 43129CAL04
Inj Date : 03-AUG-2010 14:30
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43129cal04
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 14:05 Cal File: EDBCAL5.D
Als bottle: 88 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
	1 edb	5.919	5.919	0.000	1864107	0.12000	0.12(M)
$	2 1,1,2,2-Tetrachloroethane	8.162	8.162	0.000	2272454	0.12000	0.12
	3 dbcp	11.968	11.968	0.000	4206427	0.12000	0.11(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCAL4.D

Date : 03-AUG-2010 14:30

Client ID: 43129CAL04

Instrument: secd04.i

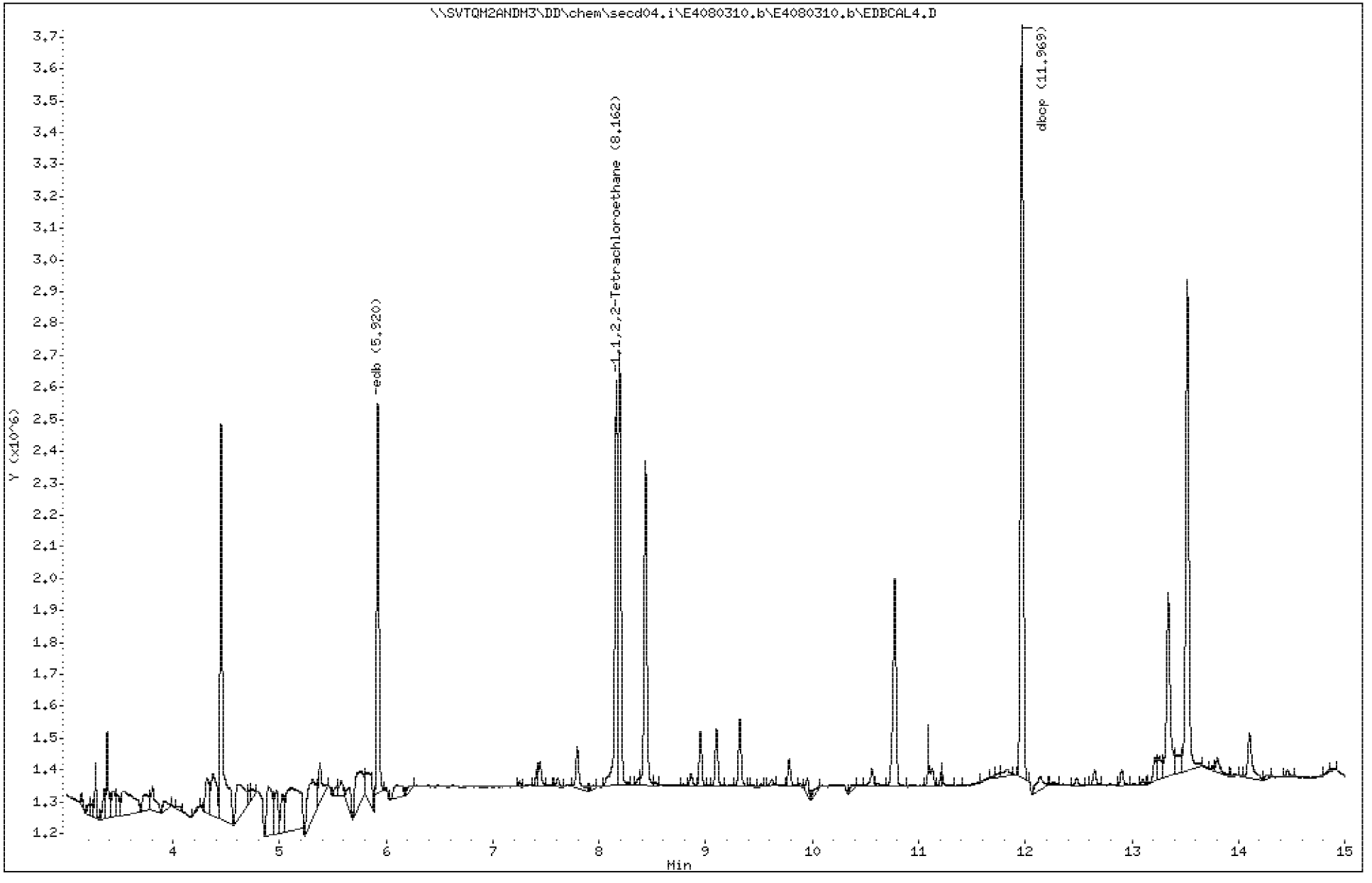
Sample Info: e43129cal04

Purge Volume: 35.6

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCAL4.D
Lab Smp Id: 43129CAL04 Client Smp ID: 43129CAL04
Inj Date : 03-AUG-2010 14:30
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43129cal04
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 14:05 Cal File: EDBCAL5.D
Als bottle: 88 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	5.960	5.960	0.000	1745629	0.12000	0.12(M)
$ 2 1,1,2,2-Tetrachloroethane	8.088	8.088	0.000	1941435	0.12000	0.11
3 dbcp	11.770	11.770	0.000	3984207	0.12000	0.11

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCAL4.D

Date : 03-AUG-2010 14:30

Client ID: 43129CAL04

Instrument: secd04.i

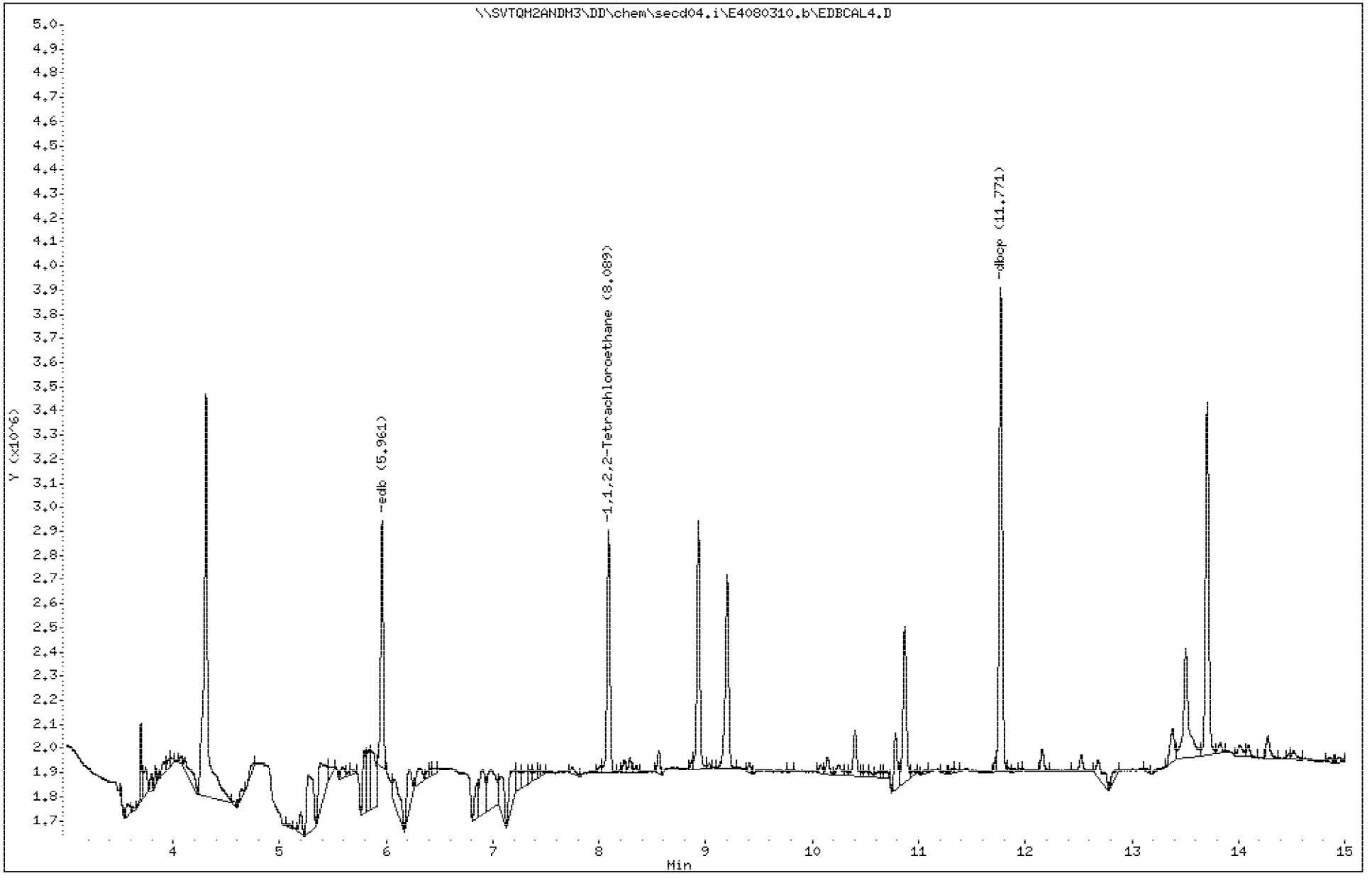
Sample Info: e43129cal04

Purge Volume: 35.6

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCAL3.D
Lab Smp Id: 43128CAL03 Client Smp ID: 43128CAL03
Inj Date : 03-AUG-2010 14:56
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43128cal03
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 14:30 Cal File: EDBCAL4.D
Als bottle: 89 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	5.984	5.984	0.000	1316537	0.08000	0.087(M)
$ 2 1,1,2,2-Tetrachloroethane	8.101	8.101	0.000	1497277	0.08000	0.088
3 dbcp	11.773	11.773	0.000	3069980	0.08000	0.087

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCAL3.D

Date : 03-AUG-2010 14:56

Client ID: 43128CAL03

Instrument: secd04.i

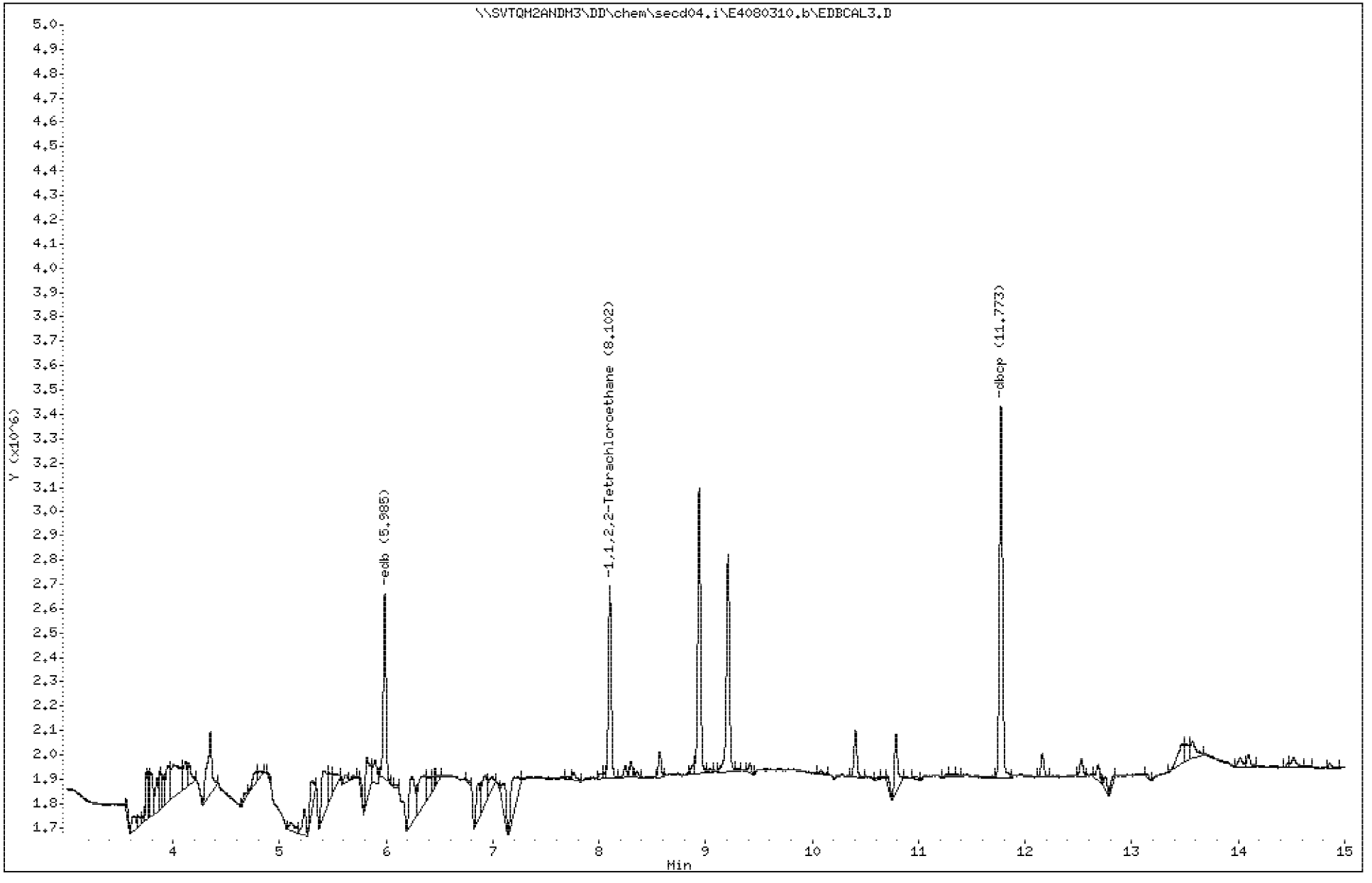
Sample Info: e43128cal03

Purge Volume: 35.4

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCAL3.D
Lab Smp Id: 43128CAL03 Client Smp ID: 43128CAL03
Inj Date : 03-AUG-2010 14:56
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43128cal03
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 14:30 Cal File: EDBCAL4.D
Als bottle: 89 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	1 edb	5.944	5.944	0.000	1304048	0.08000	0.086(M)
$	2 1,1,2,2-Tetrachloroethane	8.173	8.173	0.000	1697148	0.08000	0.086
	3 dbcp	11.970	11.970	0.000	3238768	0.08000	0.086(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCAL3.D

Date : 03-AUG-2010 14:56

Client ID: 43128CAL03

Instrument: secd04.i

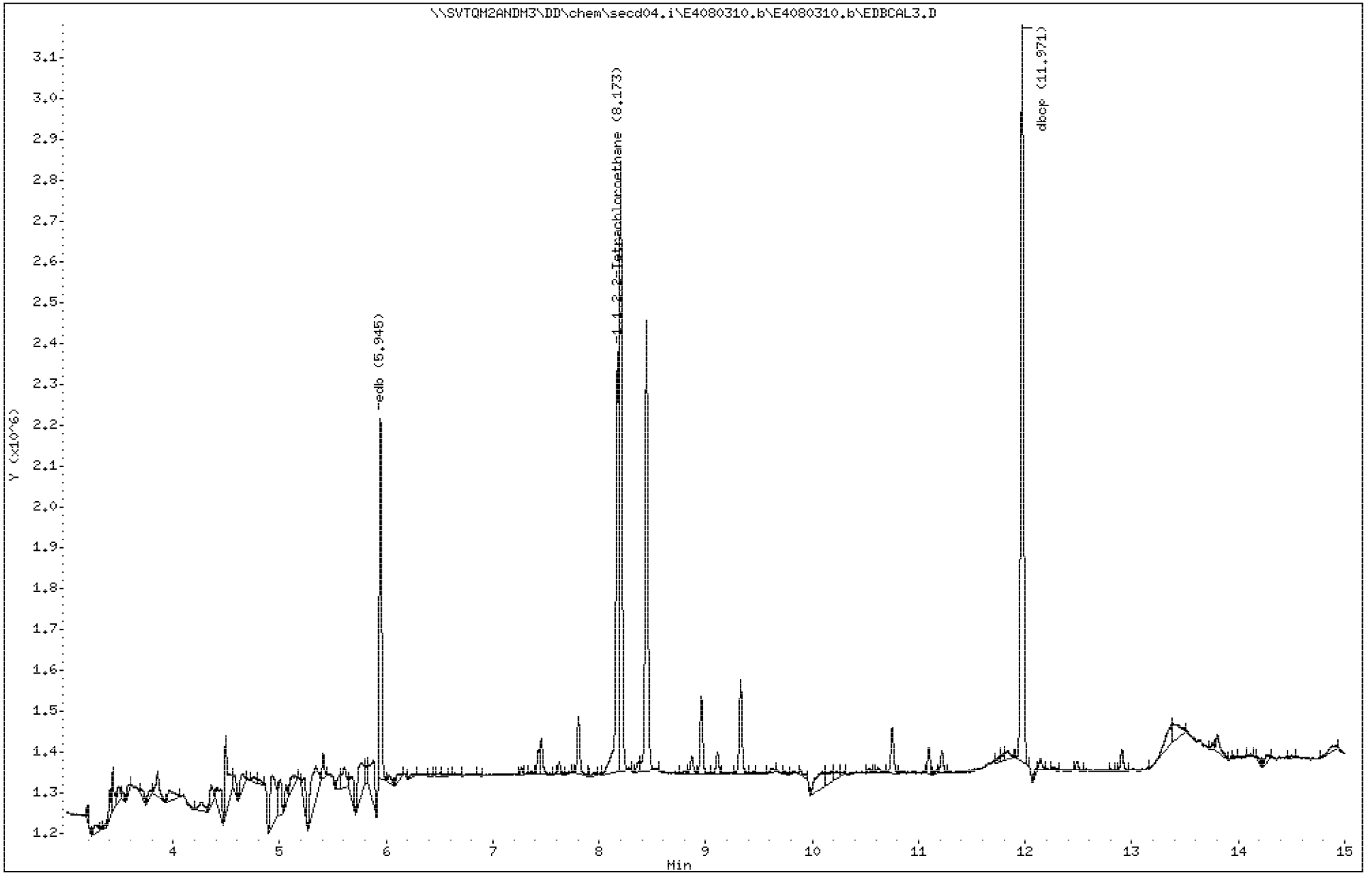
Sample Info: e43128cal03

Purge Volume: 35.4

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCAL2.D
Lab Smp Id: 43127CAL02 Client Smp ID: 43127CAL02
Inj Date : 03-AUG-2010 15:22
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43127cal02
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 14:56 Cal File: EDBCAL3.D
Als bottle: 90 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	5.963	5.963	0.000	656320	0.04000	0.043(M)
$ 2 1,1,2,2-Tetrachloroethane	8.090	8.090	0.000	659721	0.04000	0.040
3 dbcp	11.769	11.769	0.000	1403029	0.04000	0.038

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCAL2.D

Date : 03-AUG-2010 15:22

Client ID: 43127CAL02

Instrument: secd04.i

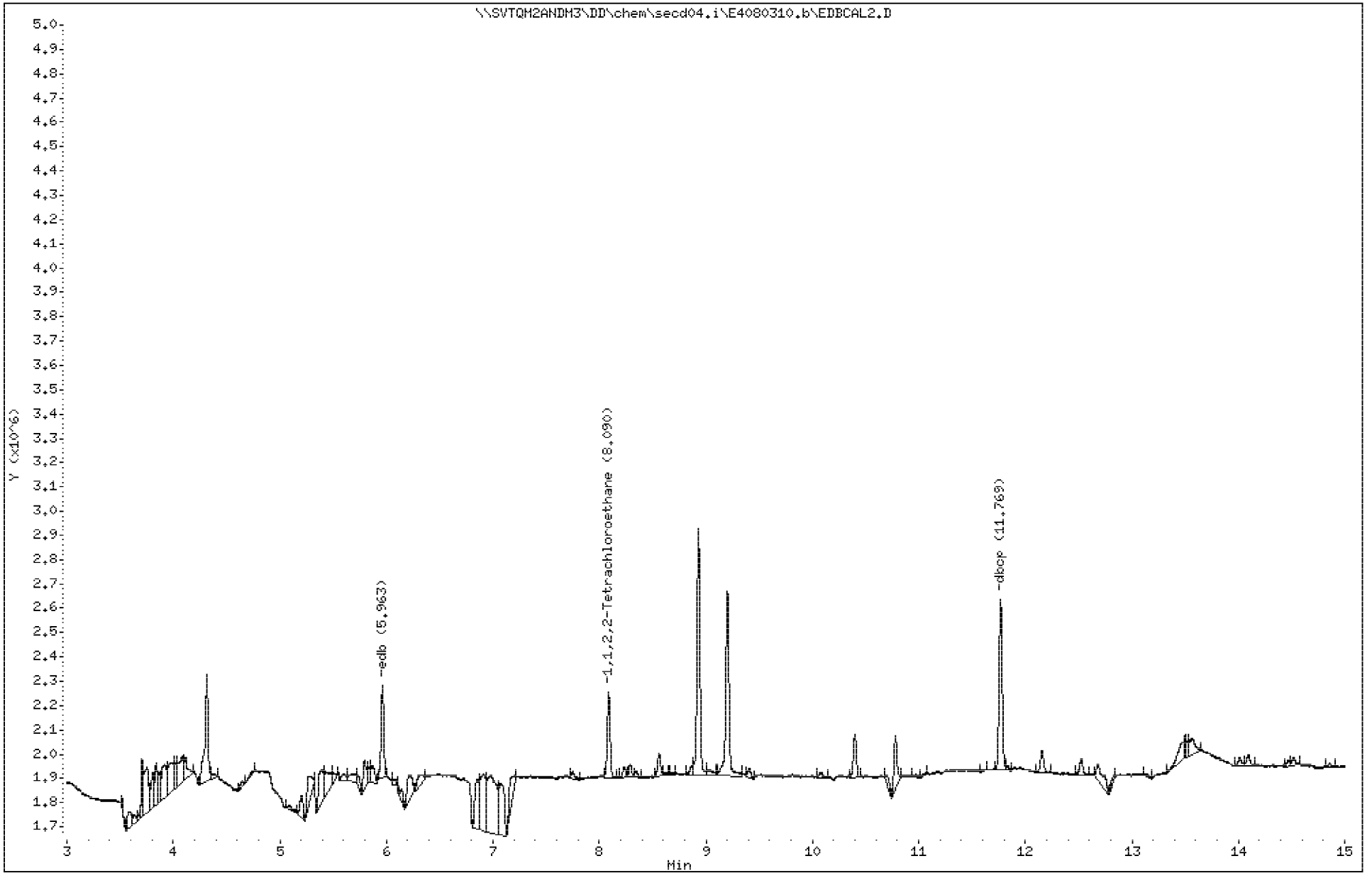
Sample Info: e43127cal02

Purge Volume: 35.7

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCAL2.D
Lab Smp Id: 43127CAL02 Client Smp ID: 43127CAL02
Inj Date : 03-AUG-2010 15:22
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43127cal02
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 14:56 Cal File: EDBCAL3.D
Als bottle: 90 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.923	5.923	0.000	630258	0.04000	0.041(M)
$	2 1,1,2,2-Tetrachloroethane	8.171	8.171	0.000	876370	0.04000	0.045(M)
	3 dbcp	11.968	11.968	0.000	1521307	0.04000	0.043(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCAL2.D

Date : 03-AUG-2010 15:22

Client ID: 43127CAL02

Instrument: secd04.i

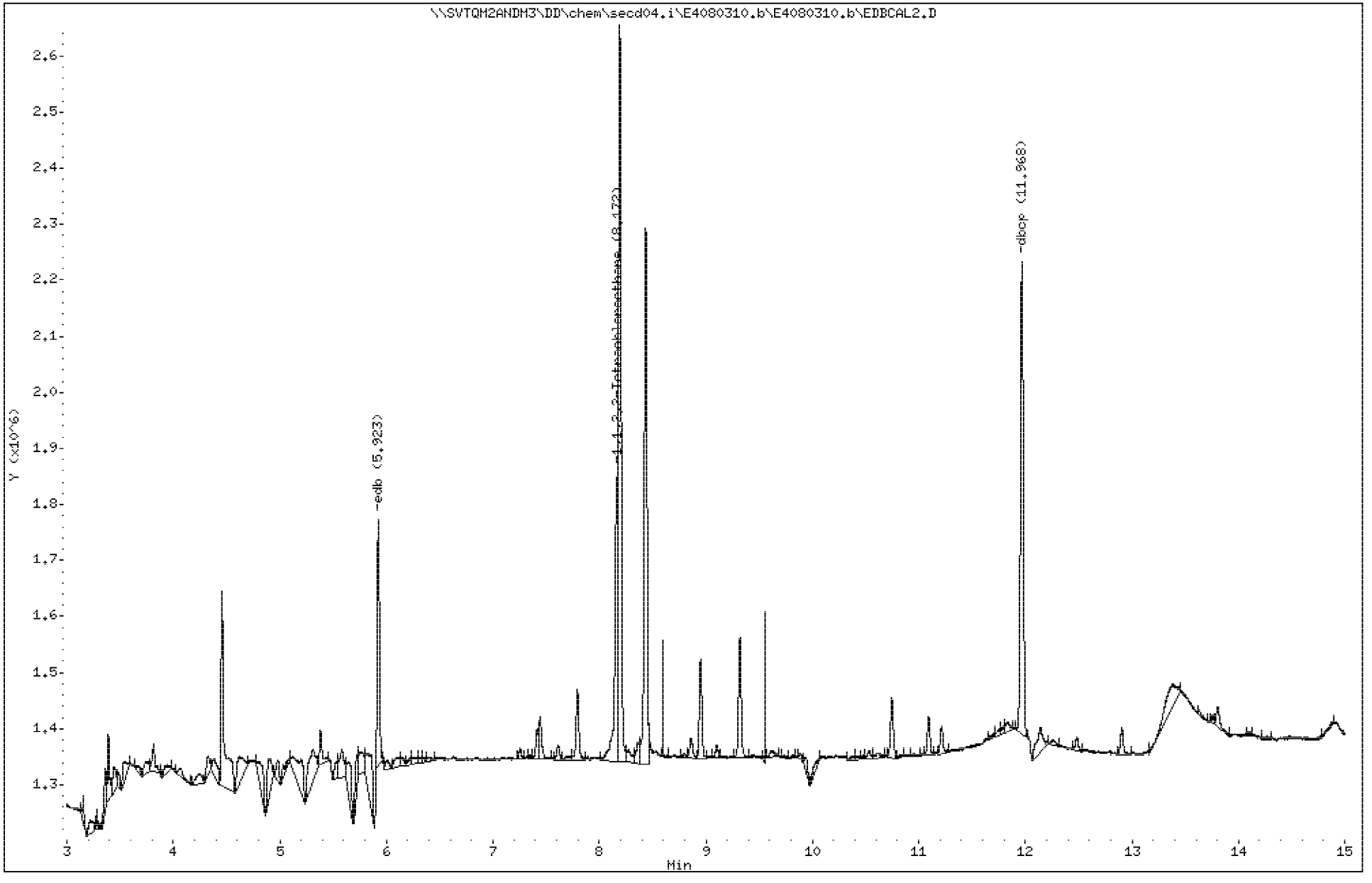
Sample Info: e43127cal02

Purge Volume: 35.7

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCAL1.D
Lab Smp Id: 43126CAL01 Client Smp ID: 43126CAL01
Inj Date : 03-AUG-2010 15:48
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43126cal01
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:22 Cal File: EDBCAL2.D
Als bottle: 91 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
	1 edb	5.923	5.923	0.000	249407	0.02000	0.016(M)
$	2 1,1,2,2-Tetrachloroethane	8.167	8.167	0.000	248917	0.02000	0.013(M)
	3 dbcp	11.967	11.967	0.000	560993	0.02000	0.019(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCAL1.D

Date : 03-AUG-2010 15:48

Client ID: 43126CAL01

Instrument: secd04.i

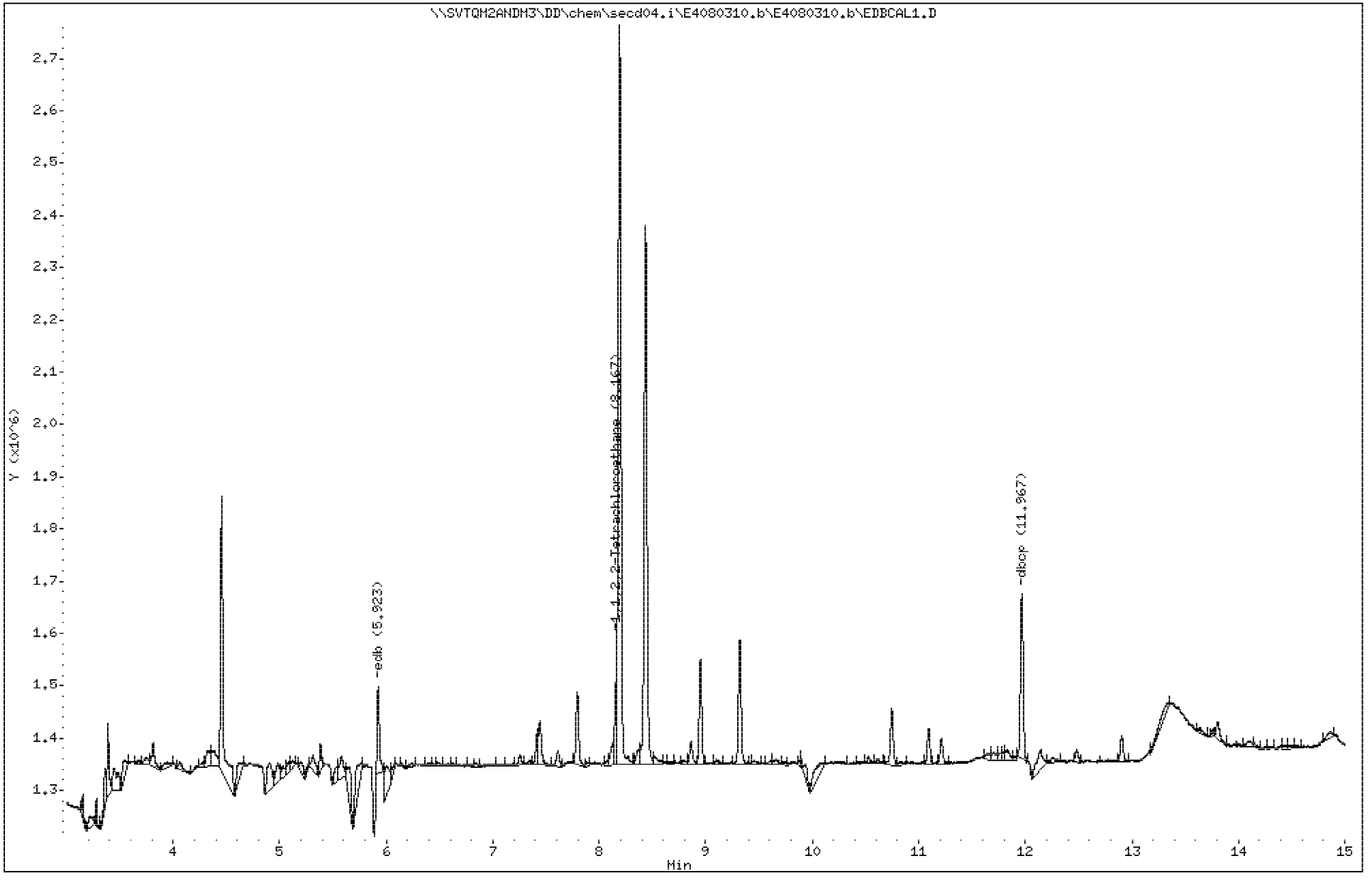
Sample Info: e43126cal01

Purge Volume: 35.1

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCAL1.D
Lab Smp Id: 43126CAL01 Client Smp ID: 43126CAL01
Inj Date : 03-AUG-2010 15:48
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43126cal01
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:22 Cal File: EDBCAL2.D
Als bottle: 91 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	5.963	5.963	0.000	282088	0.02000	0.019(M)
$ 2 1,1,2,2-Tetrachloroethane	8.088	8.088	0.000	171902	0.02000	0.012
3 dbcp	11.770	11.770	0.000	535712	0.02000	0.013

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCAL1.D

Date : 03-AUG-2010 15:48

Client ID: 43126CAL01

Instrument: secd04.i

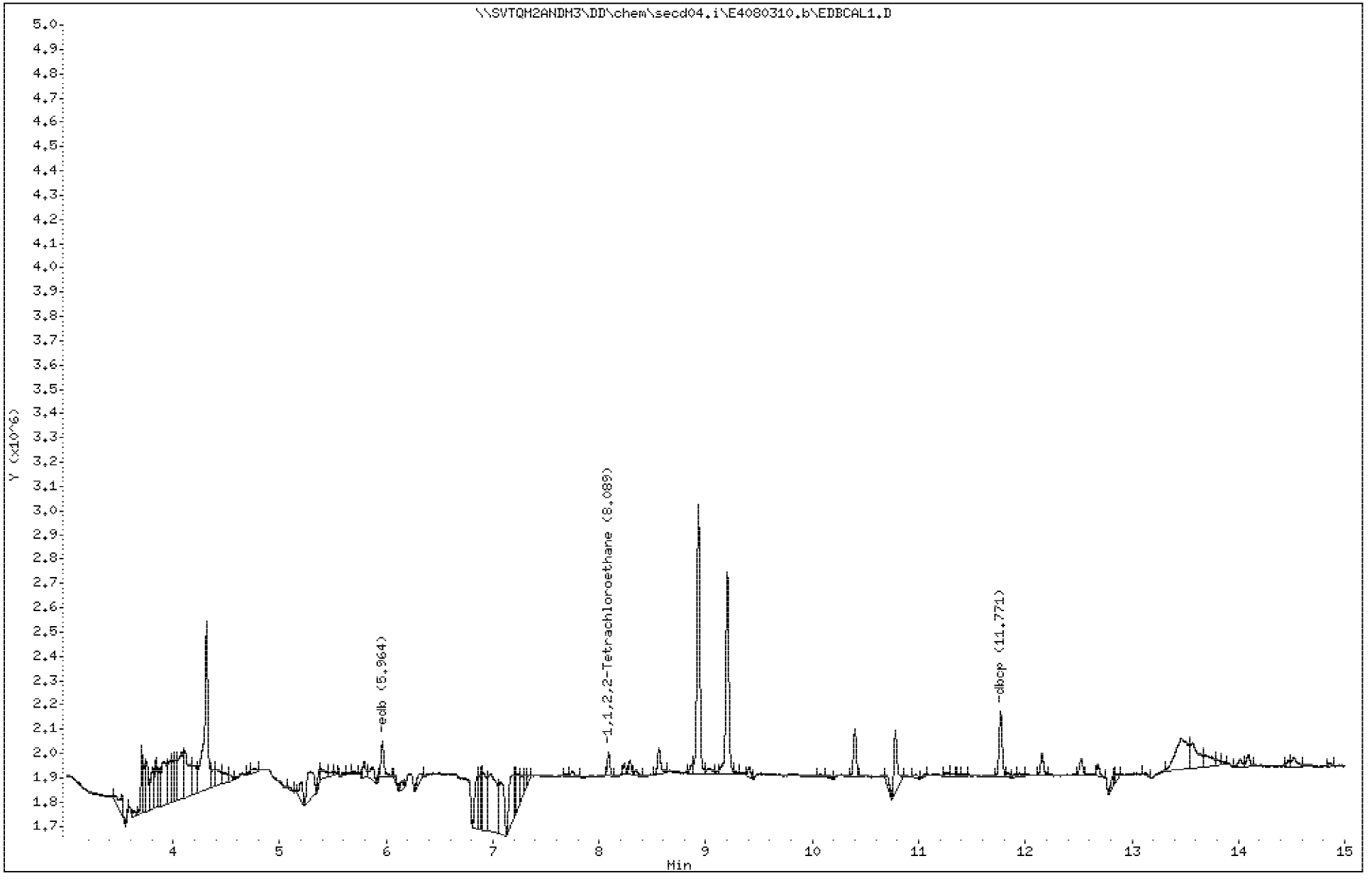
Sample Info: e43126cal01

Purge Volume: 35.1

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBSEC.D
Lab Smp Id: 43132CAL07 Client Smp ID: 43132CAL07
Inj Date : 03-AUG-2010 16:13
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43132cal07
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 92 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.926	5.926	0.000	2047943	0.12000	0.13(M)
$	2 1,1,2,2-Tetrachloroethane	8.163	8.163	0.000	2517639	0.12000	0.13
	3 dbcp	11.968	11.968	0.000	4968627	0.12000	0.13(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBSEC.D

Date : 03-AUG-2010 16:13

Client ID: 43132CAL07

Instrument: secd04.i

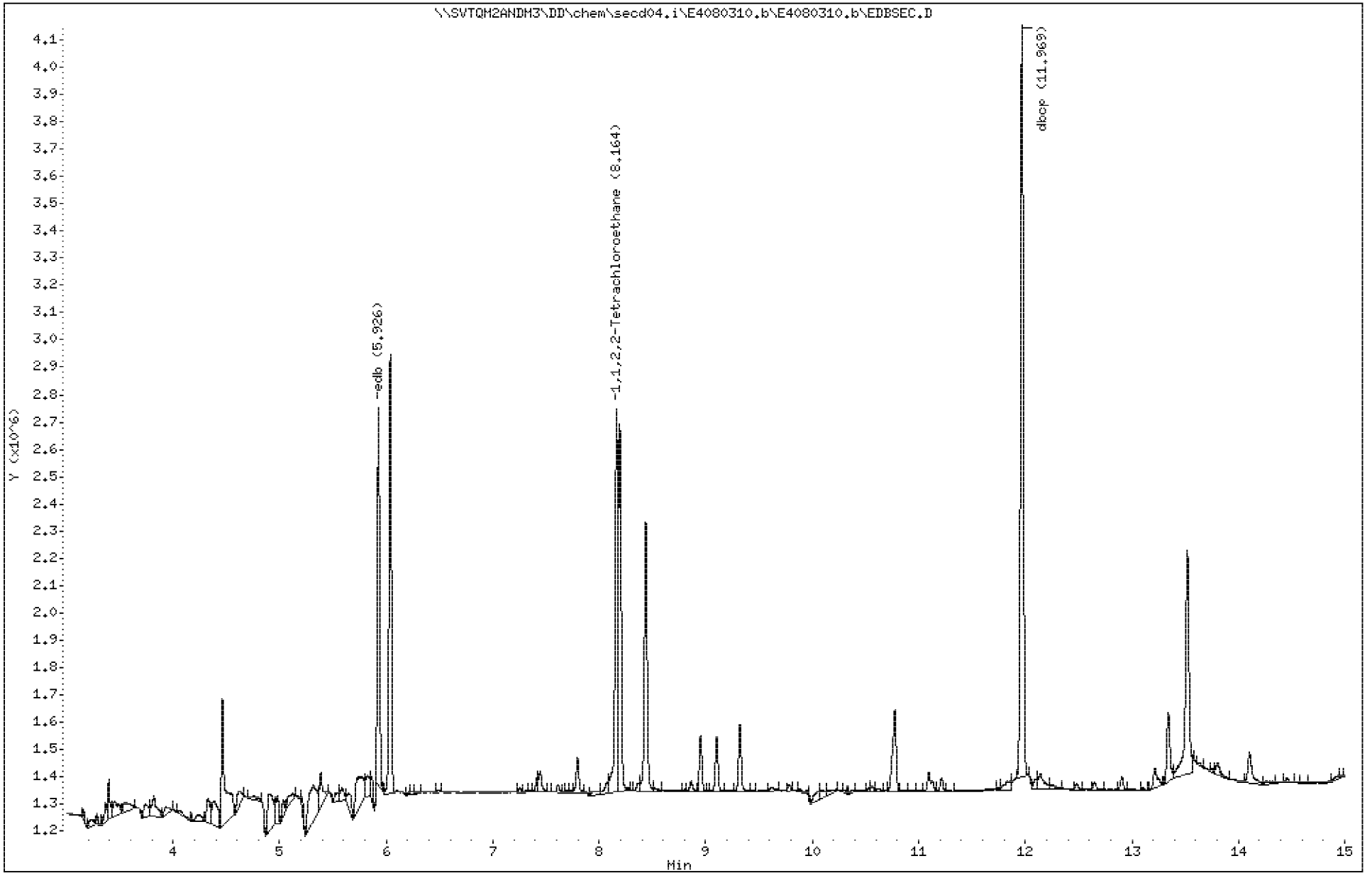
Sample Info: e43132cal07

Purge Volume: 35.6

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBSEC.D
Lab Smp Id: 43132CAL07 Client Smp ID: 43132CAL07
Inj Date : 03-AUG-2010 16:13
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43132cal07
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 92 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.966	5.966	0.000	2062105	0.12000	0.14(M)
$	2 1,1,2,2-Tetrachloroethane	8.090	8.090	0.000	2160658	0.12000	0.12
	3 dbcp	11.770	11.770	0.000	4603000	0.12000	0.13(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBSEC.D

Date : 03-AUG-2010 16:13

Client ID: 43132CAL07

Instrument: secd04.i

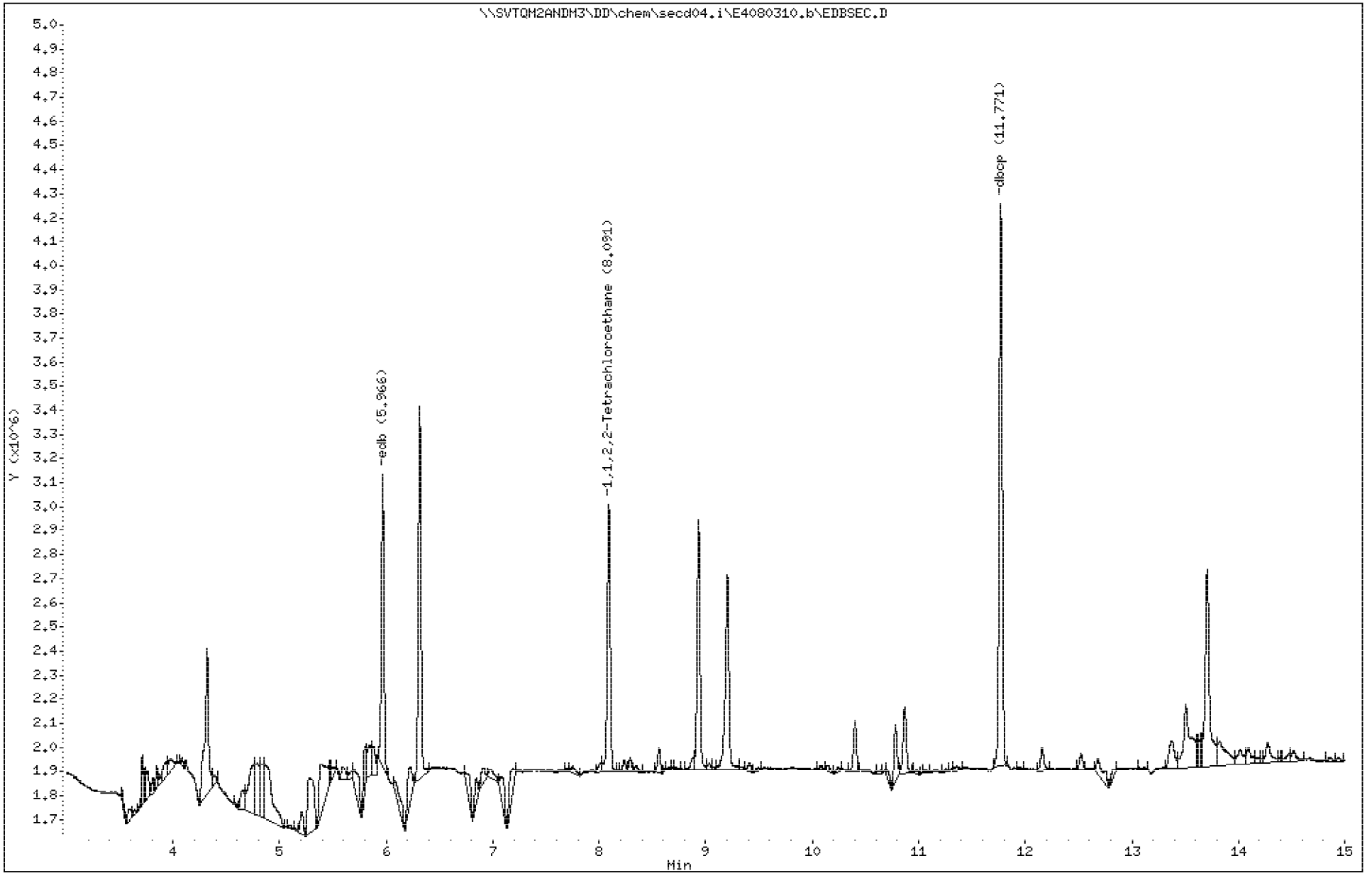
Sample Info: e43132cal07

Purge Volume: 35.6

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCCV2.D
Lab Smp Id: 43129CAL04 Client Smp ID: 43129CAL04
Inj Date : 03-AUG-2010 20:21
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43129cal04
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 88 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.962	5.962	0.000	1770011	0.12000	0.12(M)
$	2 1,1,2,2-Tetrachloroethane	8.089	8.089	0.000	2009601	0.12000	0.12
	3 dbcp	11.771	11.771	0.000	4478481	0.12000	0.13

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCCV2.D

Date : 03-AUG-2010 20:21

Client ID: 43129CAL04

Instrument: secd04.i

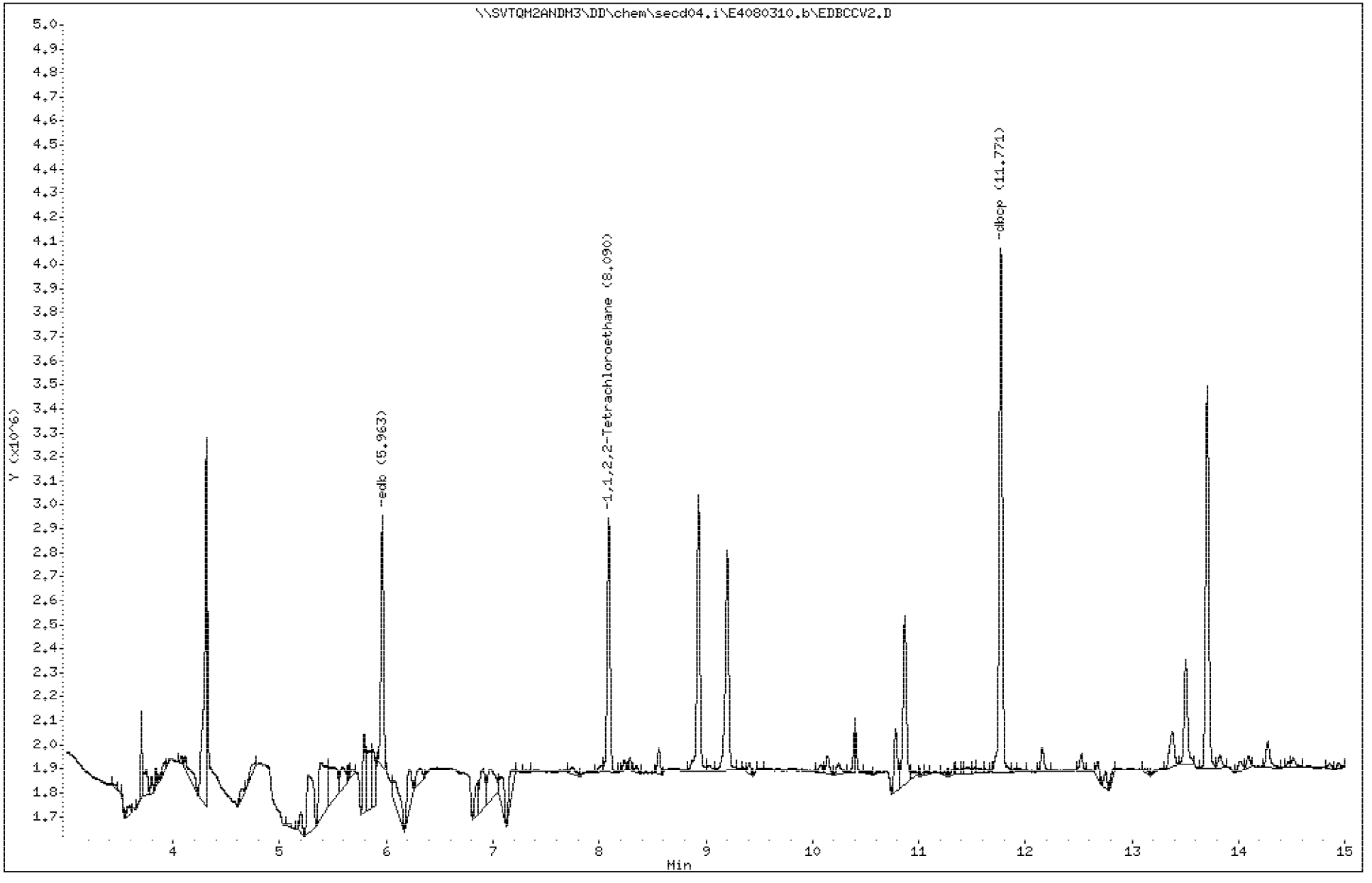
Sample Info: e43129cal04

Purge Volume: 35.6

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCCV2.D
Lab Smp Id: 43129CAL04 Client Smp ID: 43129CAL04
Inj Date : 03-AUG-2010 20:21
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43129cal04
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 88 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.922	5.922	0.000	1899887	0.12000	0.12(M)
$	2 1,1,2,2-Tetrachloroethane	8.163	8.163	0.000	2330547	0.12000	0.12
	3 dbcp	11.970	11.970	0.000	4678218	0.12000	0.12

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCCV2.D

Date : 03-AUG-2010 20:21

Client ID: 43129CAL04

Instrument: secd04.i

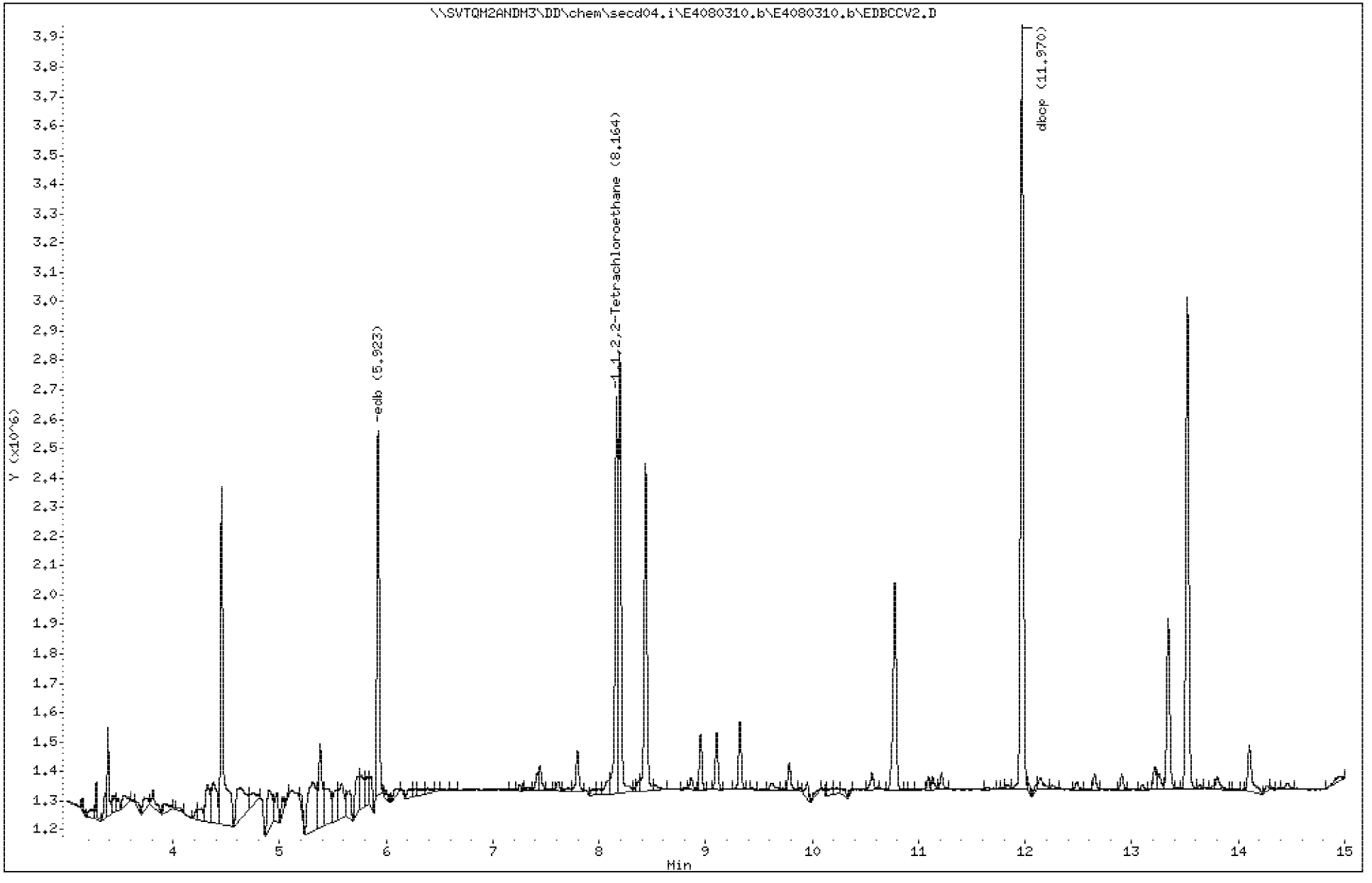
Sample Info: e43129cal04

Purge Volume: 35.6

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\237-1DUP.D
Lab Smp Id: 42227SAMDUP Client Smp ID: ST106-FD-10625-2007
Inj Date : 03-AUG-2010 21:10
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42227samdup
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 edb	5.968	5.962	0.006	3070171	0.20264	0.20(M)
$ 2 1,1,2,2-Tetrachloroethane	8.092	8.089	0.003	4428715	0.25576	0.26(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\237-1DUP.D

Date : 03-AUG-2010 21:10

Client ID: ST106-FD-10625-2007

Instrument: secd04.i

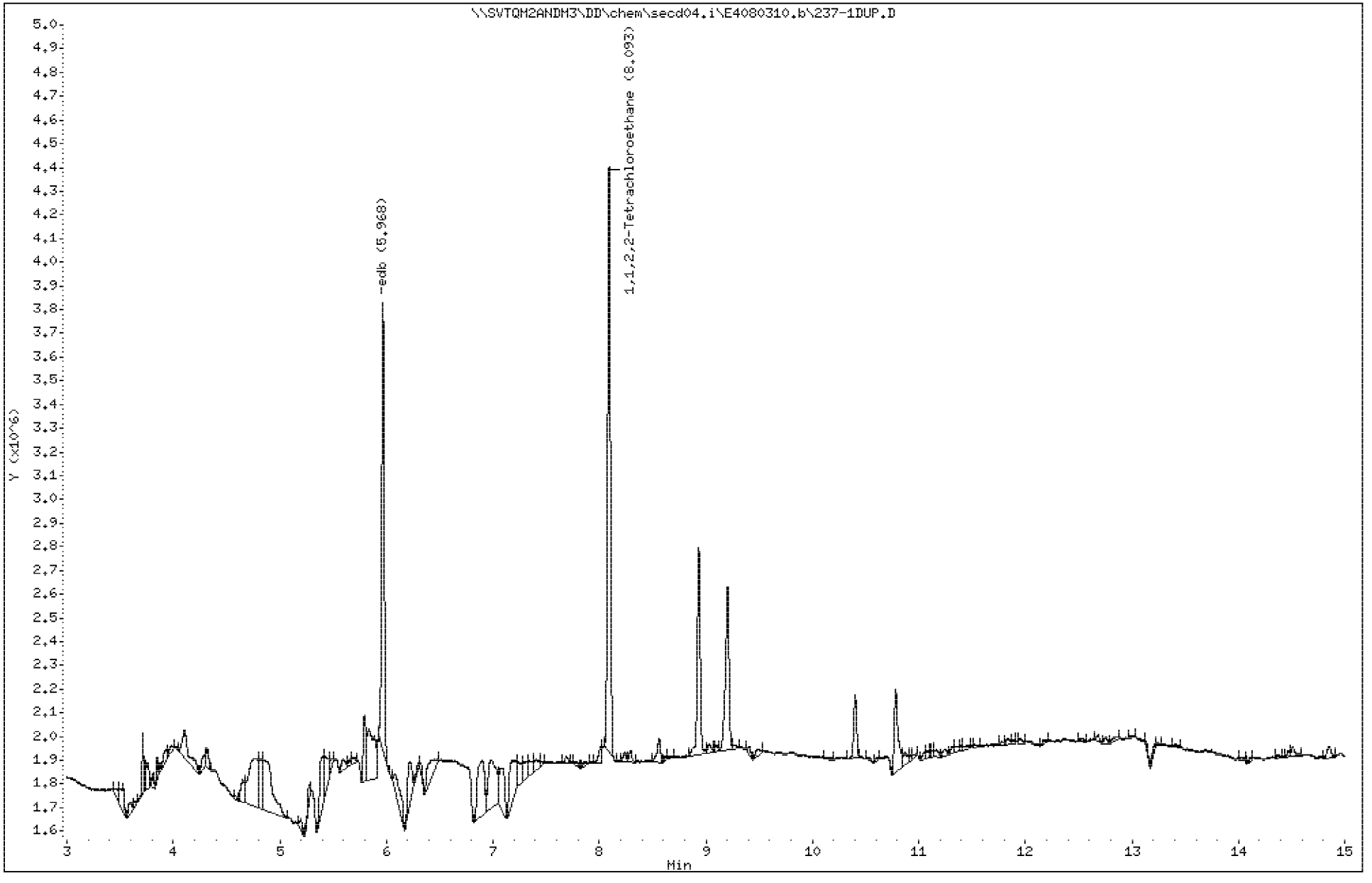
Sample Info: e42227samdup

Purge Volume: 35.5

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\237-1DUP.D
Lab Smp Id: 42227SAMDUP Client Smp ID: ST106-FD-10625-2007
Inj Date : 03-AUG-2010 21:10
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e42227samdup
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 edb	5.927	5.922	0.005	3175904	0.20853	0.21(M)
$ 2 1,1,2,2-Tetrachloroethane	8.165	8.163	0.002	5264949	0.26756	0.27(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\237-1DUP.D

Date : 03-AUG-2010 21:10

Client ID: ST106-FD-10625-2007

Instrument: secd04.i

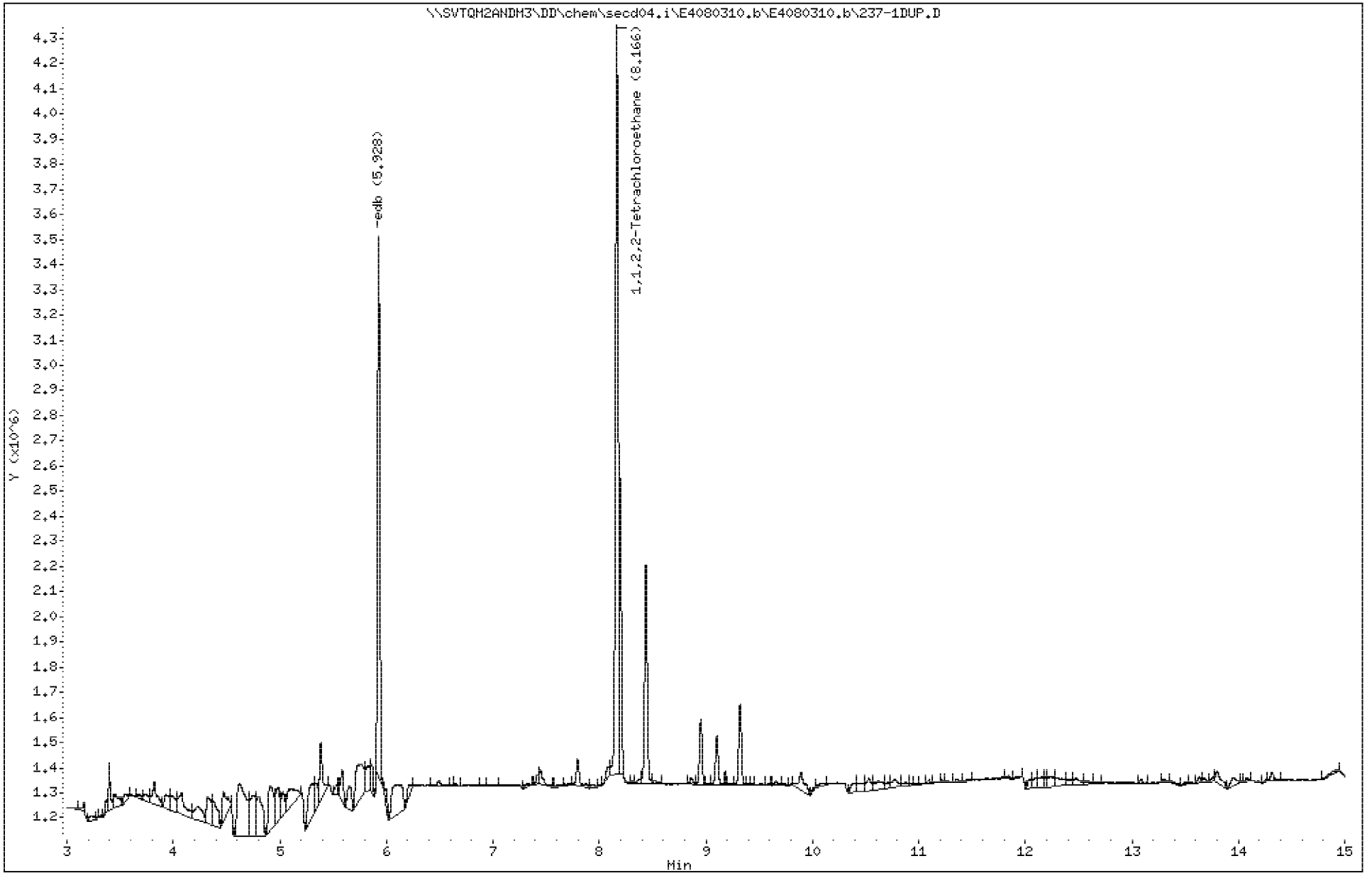
Sample Info: e42227samdup

Purge Volume: 35.5

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\237-2.D
Lab Smp Id: 350023702 Client Smp ID: ST106-GW-10625-2007
Inj Date : 03-AUG-2010 21:34
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e350023702
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 edb	5.964	5.962	0.002	2718620	0.17944	0.18(M)
$ 2 1,1,2,2-Tetrachloroethane	8.089	8.089	0.000	4403088	0.25429	0.25(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\237-2.D

Date : 03-AUG-2010 21:34

Client ID: ST106-GW-10625-2007

Instrument: secd04.i

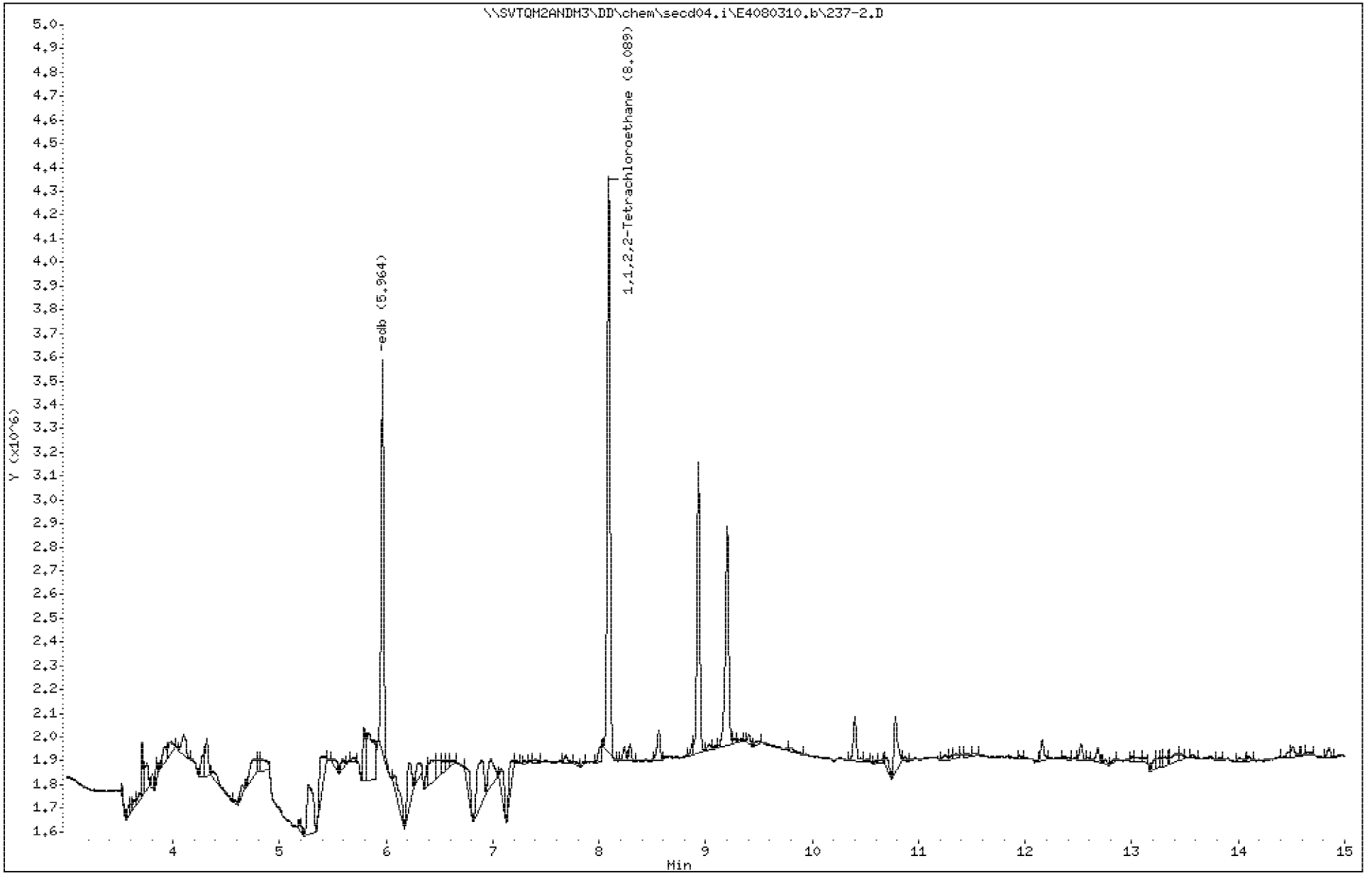
Sample Info: e350023702

Purge Volume: 35.8

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\237-2.D
Lab Smp Id: 350023702 Client Smp ID: ST106-GW-10625-2007
Inj Date : 03-AUG-2010 21:34
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e350023702
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 edb	5.924	5.922	0.002	2976416	0.19543	0.20(M)
$	2 1,1,2,2-Tetrachloroethane	8.164	8.163	0.001	5611221	0.28514	0.28

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\237-2.D

Date : 03-AUG-2010 21:34

Client ID: ST106-GW-10625-2007

Instrument: secd04.i

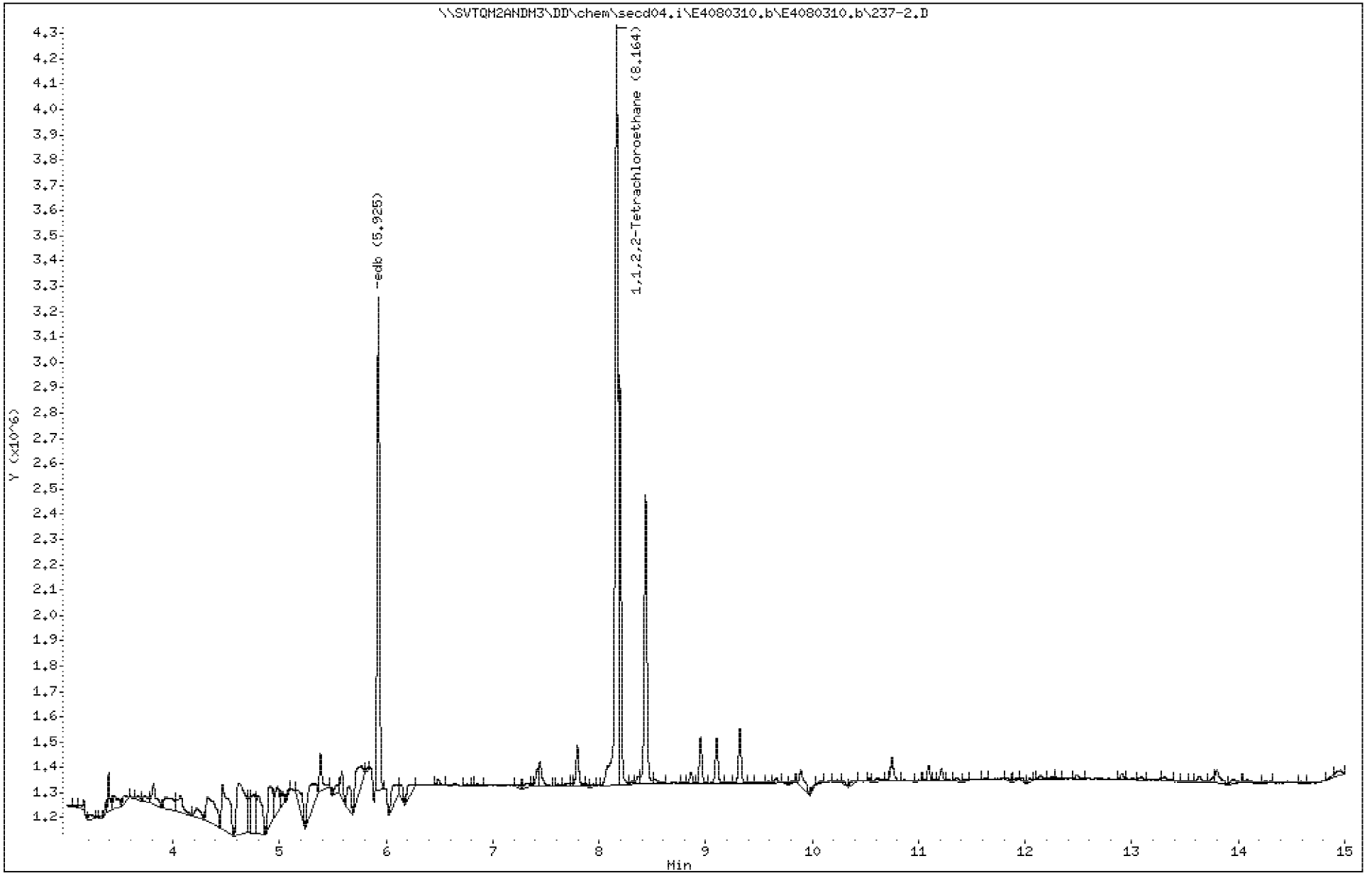
Sample Info: e350023702

Purge Volume: 35.8

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\237-3MS.D
Lab Smp Id: 350023703 Client Smp ID: ST106-MS-10625-2007
Inj Date : 03-AUG-2010 21:58
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e350023703
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 4 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 edb	5.924	5.922	0.002	5235281	0.34374	0.34(RM)
$ 2 1,1,2,2-Tetrachloroethane	8.162	8.163	-0.001	5923491	0.30099	0.30(M)
3 dbcp	11.969	11.970	-0.001	6392633	0.16631	0.17(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\237-3MS.D

Date : 03-AUG-2010 21:58

Client ID: ST106-MS-10625-2007

Instrument: secd04.i

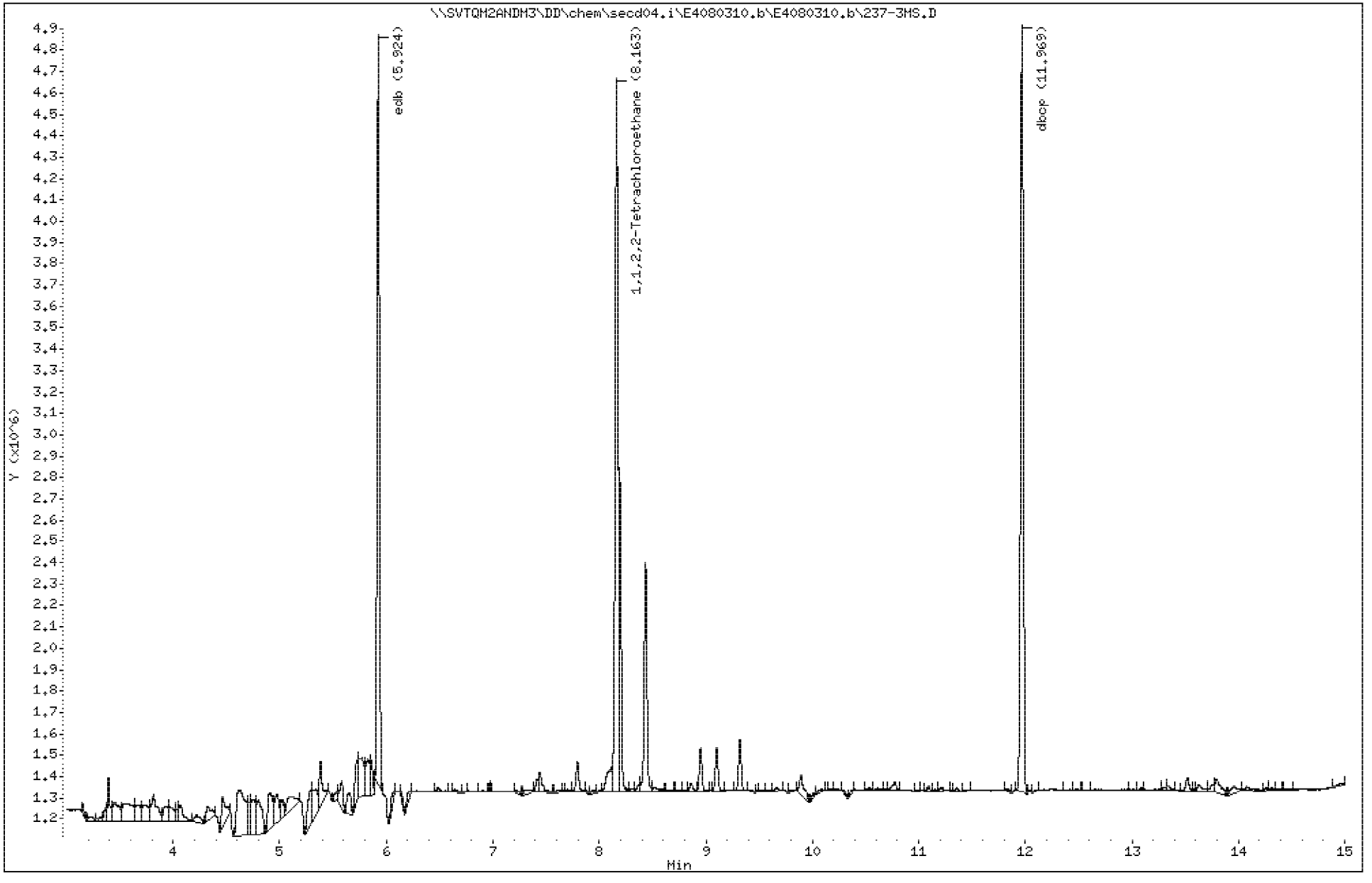
Sample Info: e350023703

Purge Volume: 35.0

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\237-3MS.D
Lab Smp Id: 350023703 Client Smp ID: ST106-MS-10625-2007
Inj Date : 03-AUG-2010 21:58
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e350023703
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 4 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1 edb	5.964	5.962	0.002	5290536	0.34920	0.35(RM)
$	2 1,1,2,2-Tetrachloroethane	8.089	8.089	0.000	4914668	0.28360	0.28(M)
	3 dbcp	11.771	11.771	0.000	5995874	0.17276	0.17(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\237-3MS.D

Date : 03-AUG-2010 21:58

Client ID: ST106-MS-10625-2007

Instrument: secd04.i

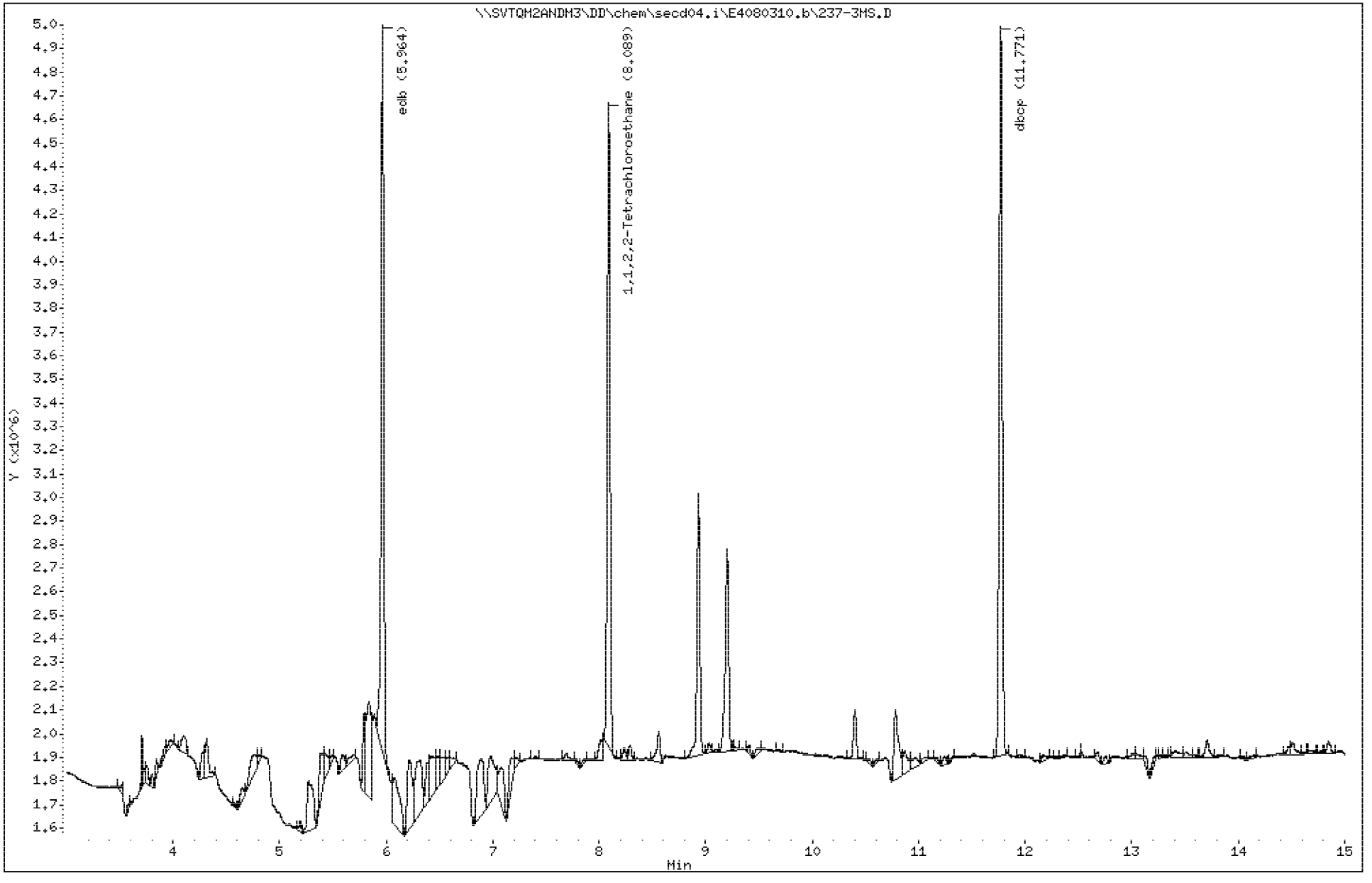
Sample Info: e350023703

Purge Volume: 35.0

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\237-4SD.D
Lab Smp Id: 350023704 Client Smp ID: ST106-MSD-10625-200
Inj Date : 03-AUG-2010 22:22
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e350023704
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 5 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 edb	5.927	5.922	0.005	5288245	0.34722	0.35(RM)
$	2 1,1,2,2-Tetrachloroethane	8.164	8.163	0.001	5594673	0.28430	0.28(M)
	3 dbcp	11.969	11.970	-0.001	6276279	0.16336	0.16(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\237-4SD.D

Date : 03-AUG-2010 22:22

Client ID: ST106-MSD-10625-200

Instrument: secd04.i

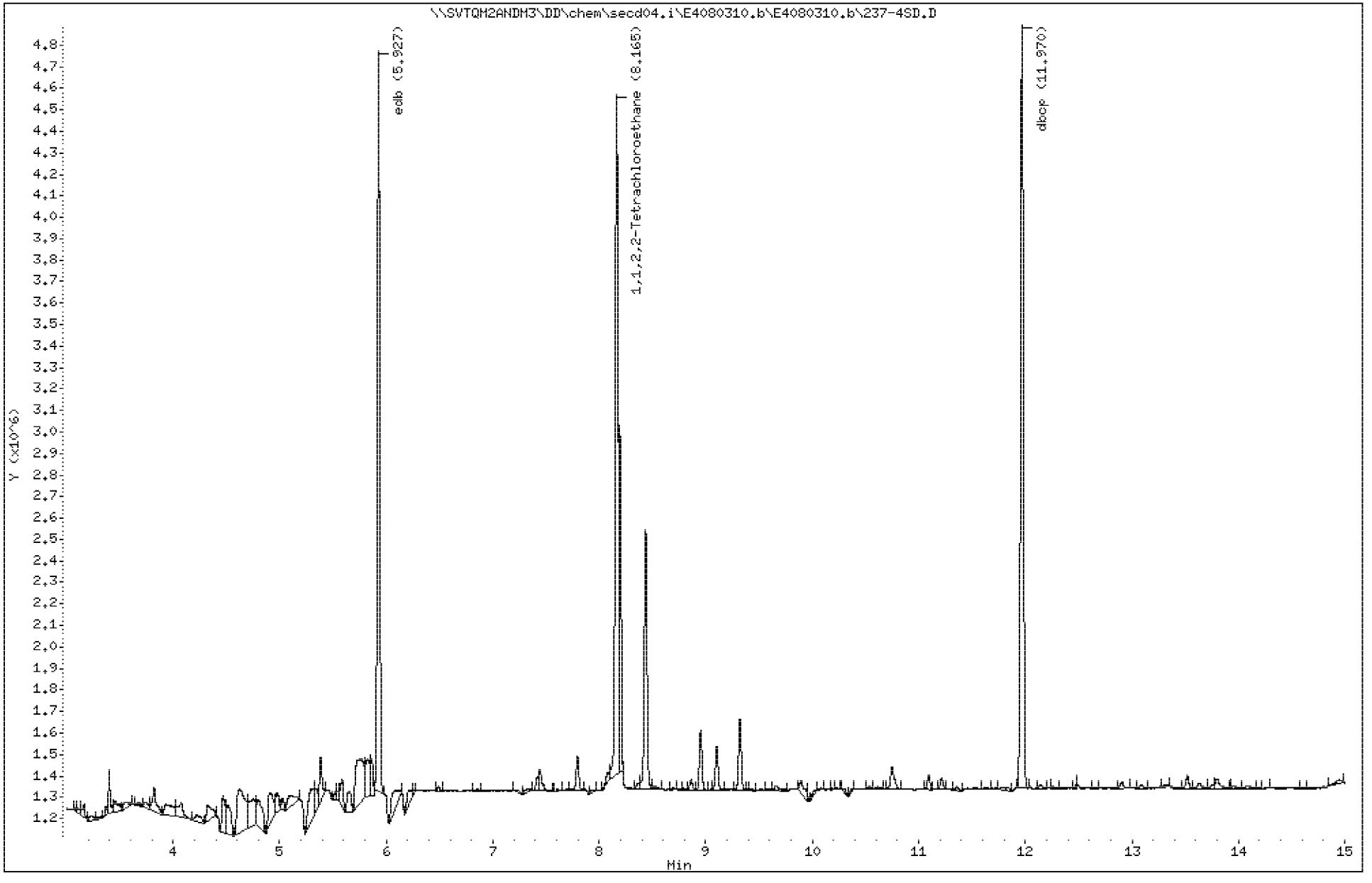
Sample Info: e350023704

Purge Volume: 35.4

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\237-4SD.D
Lab Smp Id: 350023704 Client Smp ID: ST106-MSD-10625-200
Inj Date : 03-AUG-2010 22:22
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e350023704
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 5 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 edb	5.966	5.962	0.004	5138307	0.33915	0.34(RM)
$	2 1,1,2,2-Tetrachloroethane	8.090	8.089	0.001	4874816	0.28131	0.28(M)
	3 dbcp	11.770	11.771	-0.001	5922344	0.17061	0.17(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\237-4SD.D

Date : 03-AUG-2010 22:22

Client ID: ST106-MSD-10625-200

Instrument: secd04.i

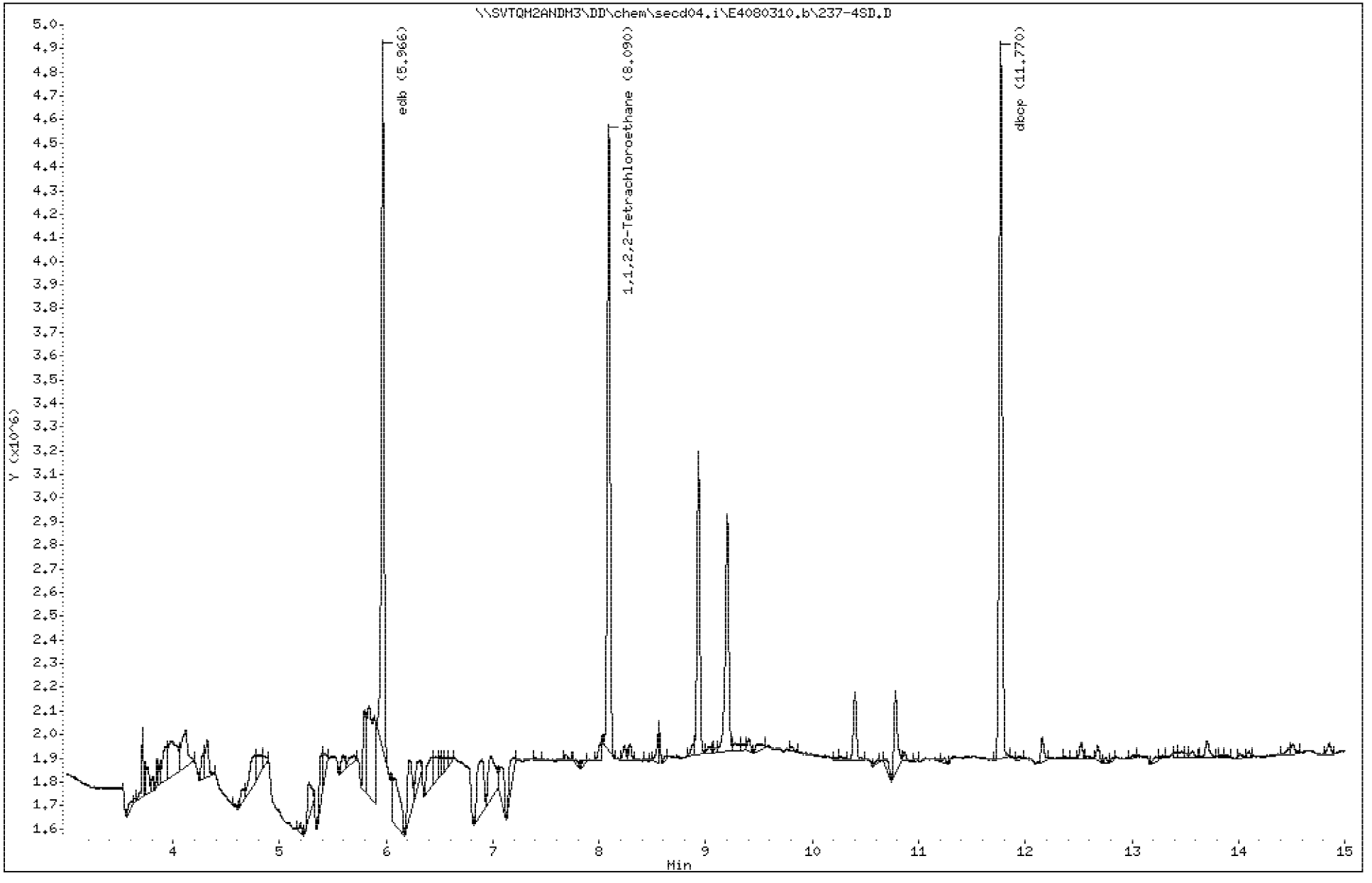
Sample Info: e350023704

Purge Volume: 35.4

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\237-5.D
Lab Smp Id: 350023705 Client Smp ID: ST106-GW-10626-2007
Inj Date : 03-AUG-2010 22:47
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e350023705
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 2 1,1,2,2-Tetrachloroethane	8.090	8.089	0.001	4879654	0.28159	0.28

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\237-5.D

Date : 03-AUG-2010 22:47

Client ID: ST106-GW-10626-2007

Instrument: secd04.i

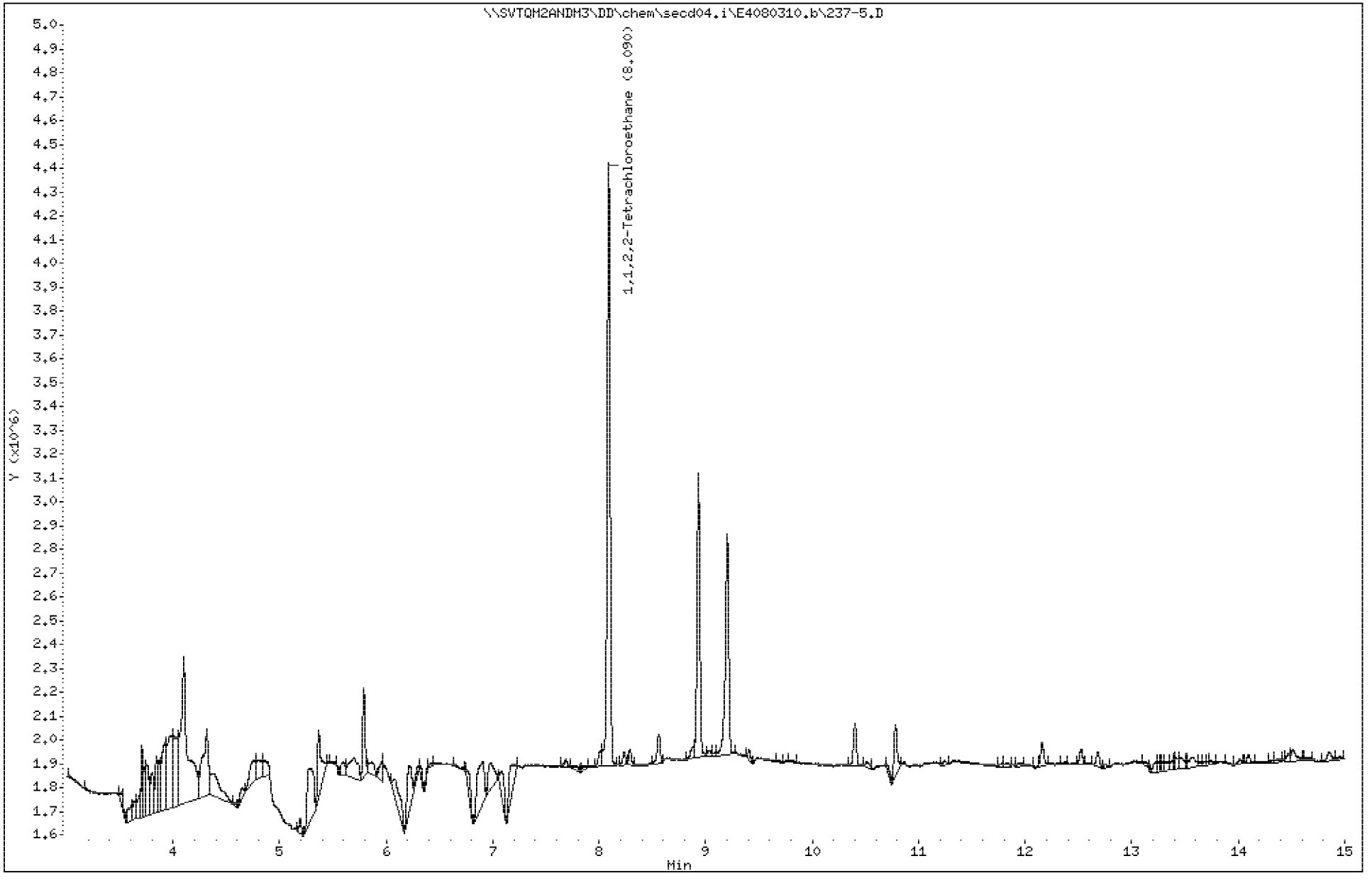
Sample Info: e350023705

Purge Volume: 35.6

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\237-5.D
Lab Smp Id: 350023705 Client Smp ID: ST106-GW-10626-2007
Inj Date : 03-AUG-2010 22:47
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e350023705
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 2 1,1,2,2-Tetrachloroethane	8.162	8.163	-0.001	5501059	0.27955	0.28

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\237-5.D

Date : 03-AUG-2010 22:47

Client ID: ST106-GW-10626-2007

Instrument: secd04.i

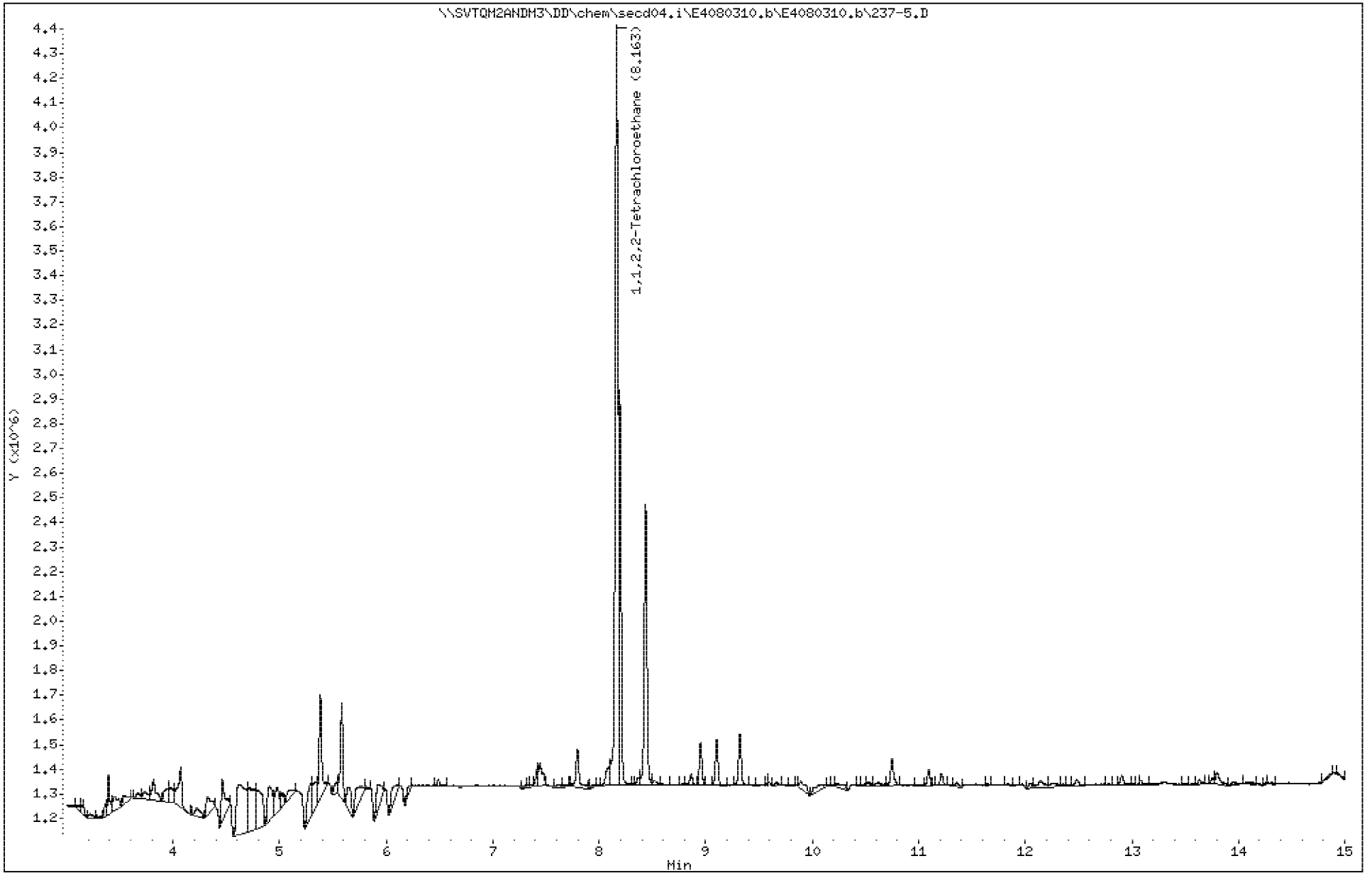
Sample Info: e350023705

Purge Volume: 35.6

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCCV3.D
Lab Smp Id: 43129CAL04 Client Smp ID: 43129CAL04
Inj Date : 04-AUG-2010 01:00
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43129cal04
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 88 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	5.962	5.962	0.000	1923012	0.12000	0.13(M)
$ 2 1,1,2,2-Tetrachloroethane	8.088	8.088	0.000	2116729	0.12000	0.12
3 dbcp	11.769	11.769	0.000	4700890	0.12000	0.13

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\EDBCCV3.D

Date : 04-AUG-2010 01:00

Client ID: 43129CAL04

Instrument: secd04.i

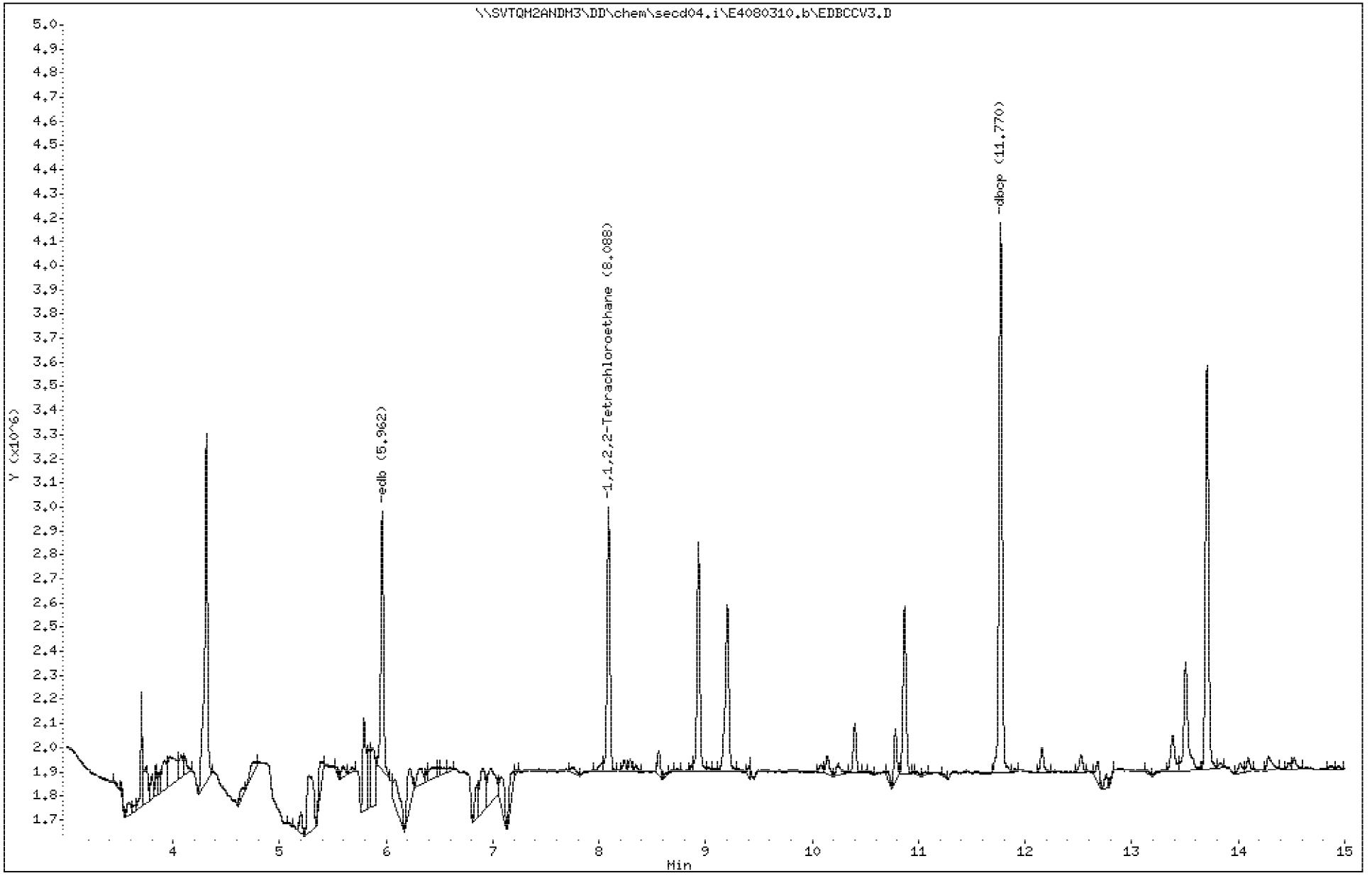
Sample Info: e43129cal04

Purge Volume: 35.6

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCCV3.D
Lab Smp Id: 43129CAL04 Client Smp ID: 43129CAL04
Inj Date : 04-AUG-2010 01:00
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e43129cal04
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4080310.b\8011.m\8011.m
Meth Date : 06-Aug-2010 09:21 secd04.i Quant Type: ESTD
Cal Date : 03-AUG-2010 15:48 Cal File: EDBCAL1.D
Als bottle: 88 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	5.927	5.927	0.000	1800104	0.12000	0.12(M)
$	2 1,1,2,2-Tetrachloroethane	8.168	8.168	0.000	2329719	0.12000	0.12
	3 dbcp	11.973	11.973	0.000	4856158	0.12000	0.13(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4080310.b\E4080310.b\EDBCCV3.D

Date : 04-AUG-2010 01:00

Client ID: 43129CAL04

Instrument: secd04.i

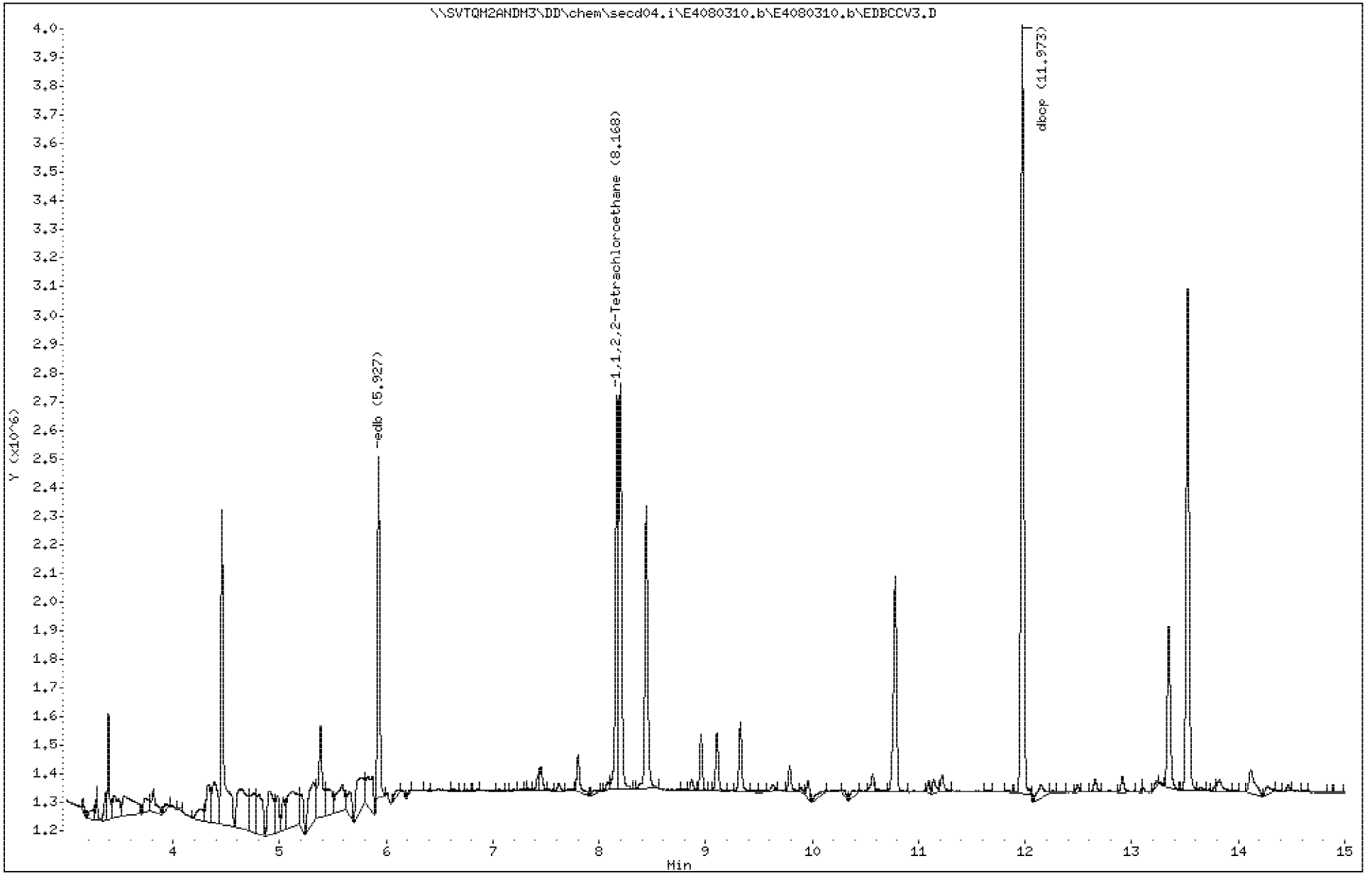
Sample Info: e43129cal04

Purge Volume: 35.6

Operator: PEL Labs

Column phase: STX-CLP2

Column diameter: 0.32



Raw Data Method 8015 DRO

SEQUENCE CHECK

SDG: 3500237 **Method:** 8015

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
STD873735	35774	SFID0107/26/10-1905~F1072610	DROCAL06.D	F1072610	1	SFID01	07/26/10 16:43	1
STD873728	35773	SFID0107/26/10-1905~F1072610	DROCAL05.D	F1072610	1	SFID01	07/26/10 17:12	1
STD873727	35772	SFID0107/26/10-1905~F1072610	DROCAL04.D	F1072610	1	SFID01	07/26/10 17:40	1
STD873726	35771	SFID0107/26/10-1905~F1072610	DROCAL03.D	F1072610	1	SFID01	07/26/10 18:08	1
STD873725	35769	SFID0107/26/10-1905~F1072610	DROCAL02.D	F1072610	1	SFID01	07/26/10 18:37	1
STD873724	35768	SFID0107/26/10-1905~F1072610	DROCAL01.D	F1072610	1	SFID01	07/26/10 19:05	1
SSC873723	35767	SFID0107/26/10-1905~F1072610	DROSEC.D	F1072610	1	SFID01	07/26/10 19:34	1
CCV873729	35773	SFID0107/26/10-1905~F1072610	DROCCV1.D	F1072610	1	SFID01	07/26/10 20:02	1
41733MB	41733MB	SFID0107/26/10-1905~F1072610	1212MB.D	F1072610	1	SFID01	07/27/10 00:15	1
41731LCS	41731LCS	SFID0107/26/10-1905~F1072610	1212LCS.D	F1072610	1	SFID01	07/27/10 00:43	1
CCV873730	35773	SFID0107/26/10-1905~F1072610	DROCCV2.D	F1072610	1	SFID01	07/27/10 01:12	1
ST106-FD-10625-20	350023701	SFID0107/26/10-1905~F1072610	237-01.D	F1072610	1	SFID01	07/27/10 02:36	1
ST106-GW-10625-20	350023702	SFID0107/26/10-1905~F1072610	237-02.D	F1072610	1	SFID01	07/27/10 03:04	1
ST106-MS-10625-20	350023703	SFID0107/26/10-1905~F1072610	237-03.D	F1072610	1	SFID01	07/27/10 03:32	1
ST106-MSD-10625-2	350023704	SFID0107/26/10-1905~F1072610	237-04.D	F1072610	1	SFID01	07/27/10 04:00	1
ST106-GW-10626-20	350023705	SFID0107/26/10-1905~F1072610	237-05.D	F1072610	1	SFID01	07/27/10 04:28	1
CCV873731	35773	SFID0107/26/10-1905~F1072610	DROCCV3.D	F1072610	1	SFID01	07/27/10 05:52	1

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
26767	8015_DieselFuel2	Restek 31258	A058580	3/1/2015	1.5 ML	12/19/2008	jwood
50000 UG/ML: 8015 Secondary Diesel Fuel #2							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30961	8015_Sec_Diesel_Fuel_#	Ultra RGO-616-1	CD-2271	8/31/2011	1 ML	9/29/2009	lkeene
50000 UG/ML: 8015 Diesel Fuel #2							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32748	CS2	OmniSolv	49335	2/9/2011	2 L	2/8/2010	troberts

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34000	OTP	NSI W-1341H-02-0	1341H-02-10	11/30/2011	1.5 ML	4/26/2010	troberts
10000 UG/ML: o-Terphenyl Surrogate							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34003	OTP	NSI W-1341H-02-0	1341H-02-10	11/30/2011	1.5 ML	4/26/2010	troberts
10000 UG/ML: o-Terphenyl Surrogate							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34324	OTP	NSI W-1341H-02-0	W-1341H-02-11	5/31/2013	1.5 ML	5/13/2010	lkeene
10000 UG/ML: o-Terphenyl Surrogate							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34349	C-30(NSI)stk_surr	NSI Solutions, Inc.	249-02-02	7/13/2013	1 ml	5/14/2010	troberts
10000 UG/ML: Triacontane (C-30)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34350	C-30(NSI)stk_surr	NSI Solutions, Inc.	249-02-02	7/13/2013	1 ml	5/14/2010	troberts
10000 UG/ML: Triacontane (C-30)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34658	CS2	ACROS ORGANIC	A0281222	5/27/2011	2.5 L	5/27/2010	troberts
: Carbon disulfide							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35409	OTPwkg_surr			8/6/2010	200 ML	7/6/2010	troberts
100 UG/ML: o-Terphenyl Surrogate							
COMPOSED OF:							
32748: 99800 UL 34000: 1000 UL 34003: 1000 UL							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35567	DCM	Honeywell	DC007	1/12/2011	200 L	7/12/2010	tcolcord
: Methylene chloride							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35691	C-30wkg_surr			1/20/2011	100 ML	7/20/2010	pconklin

UG/ML: Carbon disulfide
200 UG/ML: Triacontane (C-30)

COMPOSED OF:

34349: 1000 UL 34350: 1000 UL 34658: 98000 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35703	DROwkg_spk			1/21/2011	25 ML	7/21/2010	pconklin

UG/ML: Carbon disulfide
1000 UG/ML: 8015 Diesel Fuel #2

COMPOSED OF:

30961: 500 UL 34658: 24.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35767	DRO_SECCCV			8/26/2010	1 ML	7/26/2010	pconklin

UG/ML: Methylene chloride
100 UG/ML: o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)
2000 UG/ML: 8015 Diesel Fuel #2

COMPOSED OF:

30961: 40 UL 34324: 10 UL 34349: 20 UL 35567: 30 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35768	DRO_CAL1			8/26/2010	5 ML	7/26/2010	pconklin

UG/ML: Methylene chloride
100 UG/ML: o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)
25 UG/ML: 8015 Secondary Diesel Fuel #2

COMPOSED OF:

26767: 2.5 UL 34324: 50 UL 34349: 100 UL 35567: 4847.5 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35769	DRO_CAL2			8/26/2010	1 ML	7/26/2010	pconklin

UG/ML: Methylene chloride
100 UG/ML: 8015 Secondary Diesel Fuel #2, o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)

COMPOSED OF:

26767: 2 UL 34324: 10 UL 34349: 20 UL 35567: 968 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35771	DRO_CAL3			8/26/2010	1 ML	7/26/2010	pconklin

UG/ML: Methylene chloride
100 UG/ML: o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)
500 UG/ML: 8015 Secondary Diesel Fuel #2

COMPOSED OF:

26767: 10 UL 34324: 10 UL 34349: 20 UL 35567: 960 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35772	DRO_CAL4			8/26/2010	1 ML	7/26/2010	pconklin

UG/ML: Methylene chloride
100 UG/ML: o-Terphenyl Surrogate
1000 UG/ML: 8015 Secondary Diesel Fuel #2
200 UG/ML: Triacontane (C-30)

COMPOSED OF:

26767: 20 UL 34324: 10 UL 34350: 20 UL 35567: 950 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35773	DRO_CAL5			8/26/2010	5 ML	7/26/2010	pconklin

UG/ML: Methylene chloride
100 UG/ML: o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)
2000 UG/ML: 8015 Secondary Diesel Fuel #2

STANDARDS LOG

COMPOSED OF:

26767: 200 UL 34324: 50 UL 34350: 100 UL 35567: 4650 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35774	DRO_CAL6			8/26/2010	1 ML	7/26/2010	pconklin

UG/ML: Methylene chloride
100 UG/ML: o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)
4000 UG/ML: 8015 Secondary Diesel Fuel #2

COMPOSED OF:

26767: 80 UL 34324: 10 UL 34350: 20 UL 35567: 890 UL

Spectrum Lab

~~FLPRO~~/DRO Water

Extraction Method:	3510

Batch #:	1212

Date:	07/21/10

Prep Start time:	2:00

Tech Initial:	DT

Extraction Stop Time:	5:00

Sample # (container #)	BLK	LCS	3500228 (3) 01	(9) 02	3600237 (TD) 01	(8) 02	MS (10) 03	MSD (14) 04	(15) 05	DCS1	DCS2
Samp. Date			07/19/10		07/20/10						
Client ID	DI WATER		ST106-GW 10621-1907 2010	10622-1907 2010	ST106-FD-10625 20072010	GW-10625 20072010	MS-10626 20072010	MSD-10626 20072010	GW-10626 20072010	DI WATER	
Odor			none								
Color			Clear		Tan						
Sed.			none								
Initial Vol (ml)	1000	1000	960	950	930	930	970	930	950	1000	1000
pH	7									7	
Surrogate ID	35409 OTP Surr 35691 C-30 Surr		1ml @ 100ug/mL 1ml @ 100ug/1ml								
Surr. Witness	CT										
Spike ID	NA	35703 DRO-spk 1ml @ 100ug/mL	NA	NA	NA	NA	35703 DRO spk 1ml @ 100ug/mL		NA	35658 8015DCS 1ml @ 100ug/mL	
Spike Witness	NA	CT	NA				CT	CT	NA	CT	CT
Final Vol.(ml)	1ml										
Remarks	DT 07/27/10 NA										
Archive (box/Row)	NA										

Initial solvent:	35567
Acid:	–
Silica Gel:	–
Final solvent:	35967

DT TE 07/21/10

Filter paper:	35077
Na2SO4:	35697

Lot information:

Bath Temp::	47
Therm #:	TUR B

Log review:	TL

3500237

1248

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCAL01.D
Lab Smp Id: 35768 Client Smp ID: DROCAL01
Inj Date : 26-JUL-2010 19:05
Operator : Inst ID: sfid01.i
Smp Info : 35768
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 19:05 Cal File: DROCAL01.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		5805278	0.02500	0.055(M)
$ 2 ortho-Terphenyl	4.793	4.760	0.033	3489431	0.10000	0.090(M)
$ 4 Triacontane	7.466	7.343	0.123	6974984	0.20000	0.19(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCAL01.D

Date : 26-JUL-2010 19:05

Client ID: DROCAL01

Instrument: sfid01.i

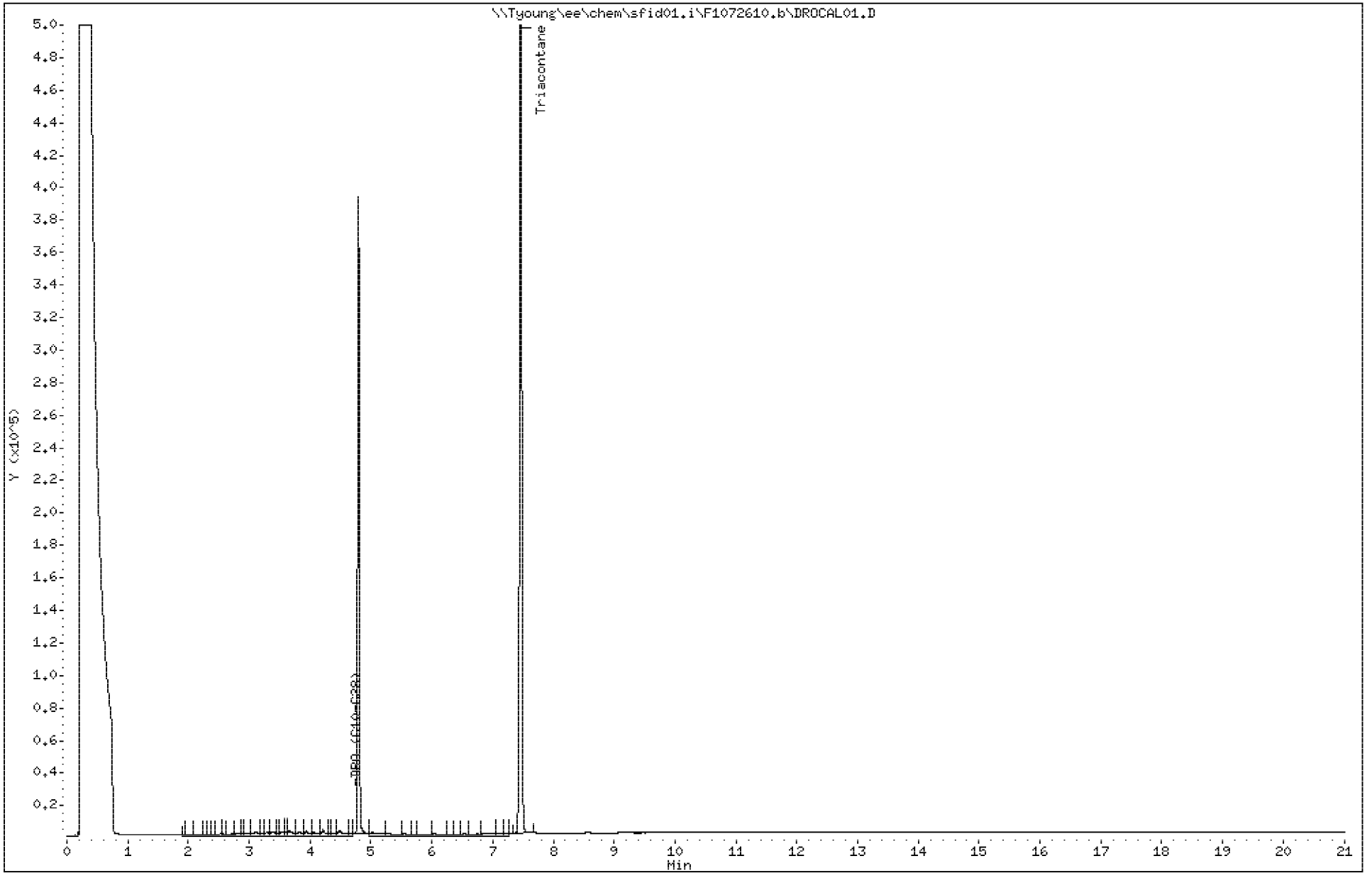
Sample Info: 35768

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCAL02.D
Lab Smp Id: 35769 Client Smp ID: DROCAL02
Inj Date : 26-JUL-2010 18:37
Operator : Inst ID: sfid01.i
Smp Info : 35769
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 18:37 Cal File: DROCAL02.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		5254448	0.10000	0.040(M)
$ 2 ortho-Terphenyl	4.776	4.760	0.016	4255056	0.10000	0.11(M)
$ 4 Triacontane	7.416	7.343	0.073	7271806	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCAL02.D

Date : 26-JUL-2010 18:37

Client ID: DROCAL02

Instrument: sfid01.i

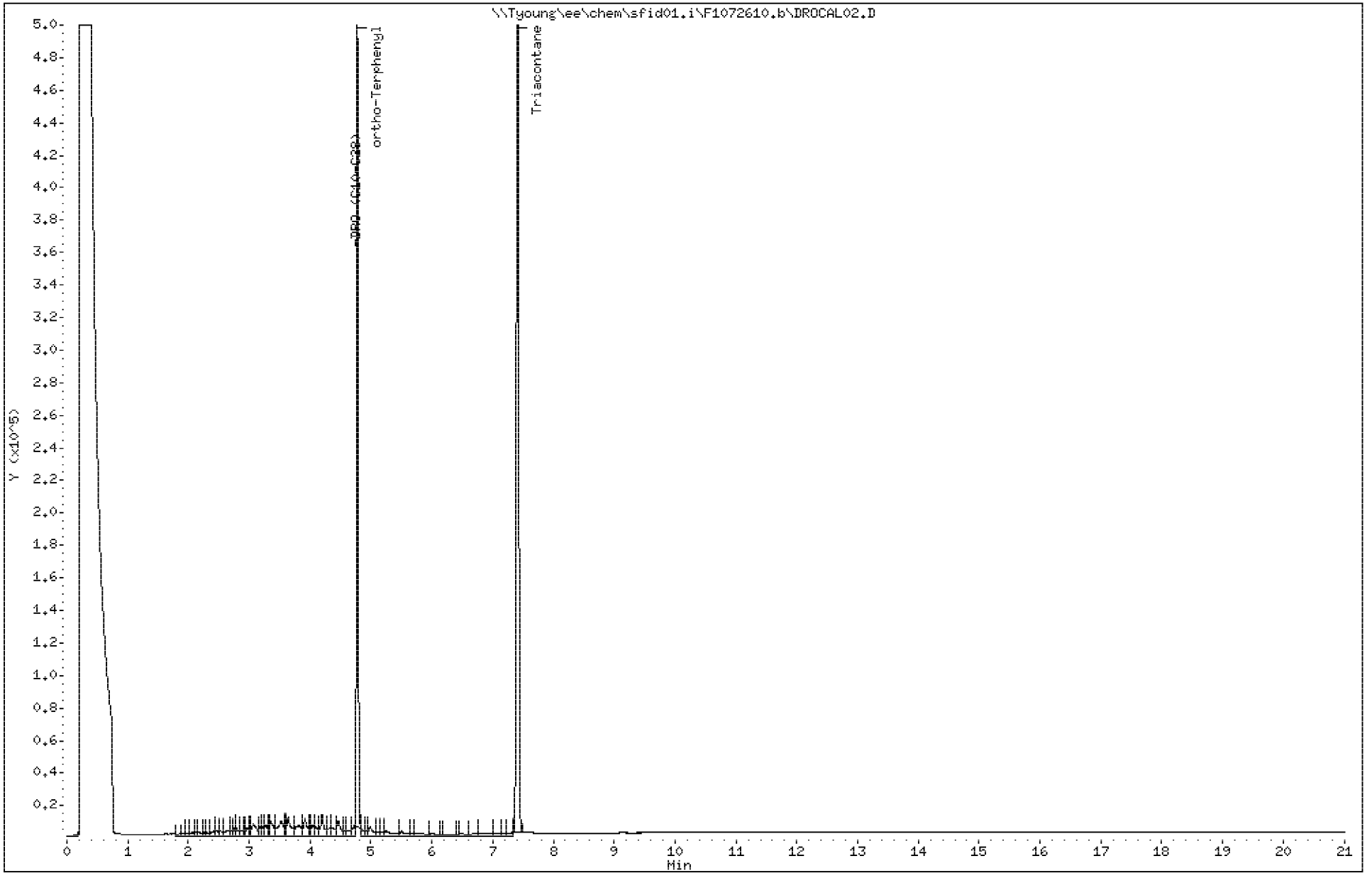
Sample Info: 35769

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCAL03.D
Lab Smp Id: 35771 Client Smp ID: DROCAL03
Inj Date : 26-JUL-2010 18:08
Operator : Inst ID: sfid01.i
Smp Info : 35771
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 18:08 Cal File: DROCAL03.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		20532368	0.50000	0.47(M)
$ 2 ortho-Terphenyl	4.780	4.760	0.020	4111270	0.10000	0.11(M)
$ 4 Triacontane	7.443	7.343	0.100	7244697	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCAL03.D

Date : 26-JUL-2010 18:08

Client ID: DROCAL03

Instrument: sfid01.i

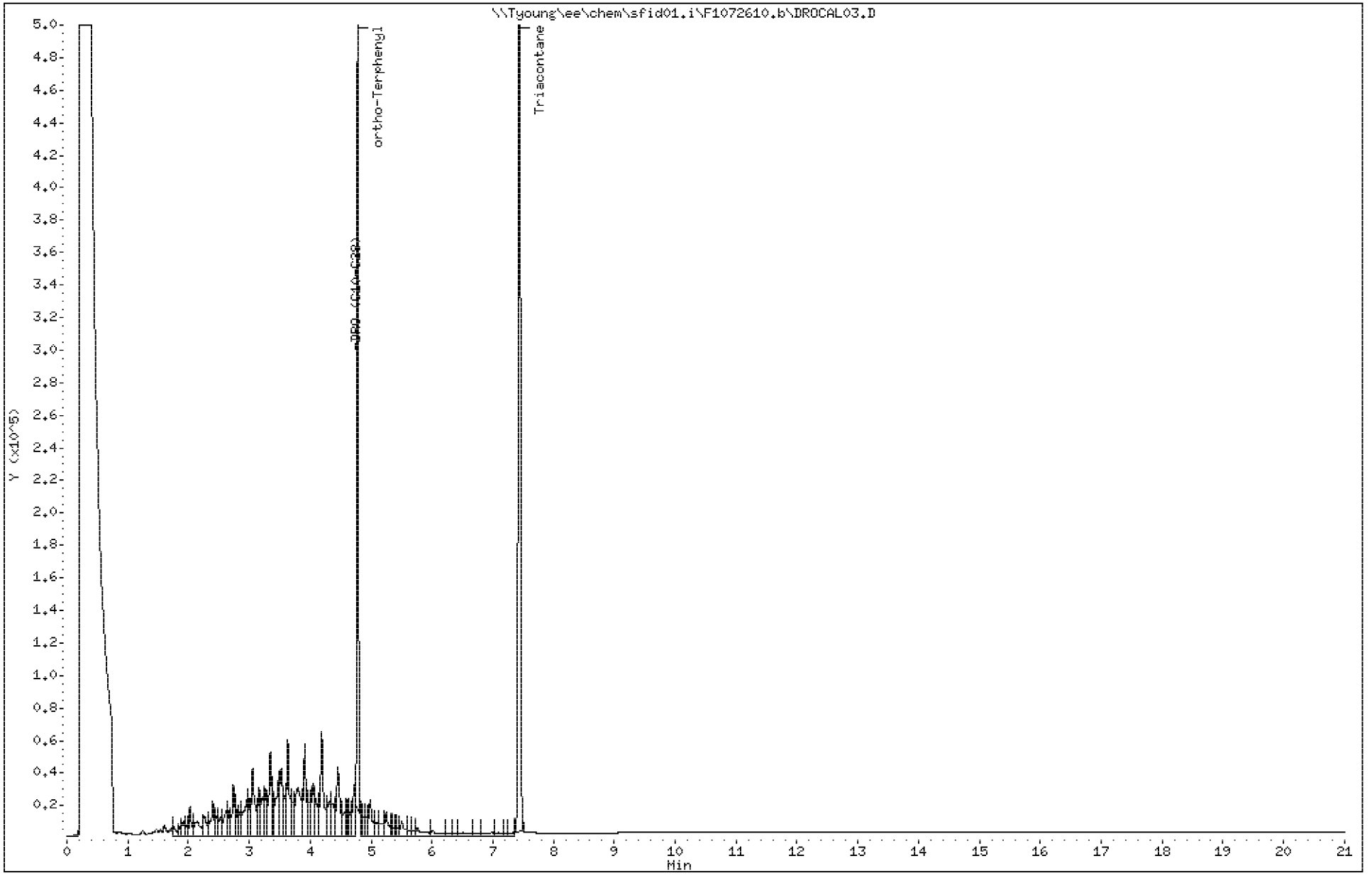
Sample Info: 35771

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCAL04.D
Lab Smp Id: 35772 Client Smp ID: DROCAL04
Inj Date : 26-JUL-2010 17:40
Operator : Inst ID: sfid01.i
Smp Info : 35772
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 17:40 Cal File: DROCAL04.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		42742363	1.00000	1.1(M)
$ 2 ortho-Terphenyl	4.783	4.760	0.023	4043528	0.10000	0.10(M)
$ 4 Triacontane	7.436	7.343	0.093	7538312	0.20000	0.21(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCAL04.D

Date : 26-JUL-2010 17:40

Client ID: DROCAL04

Instrument: sfid01.i

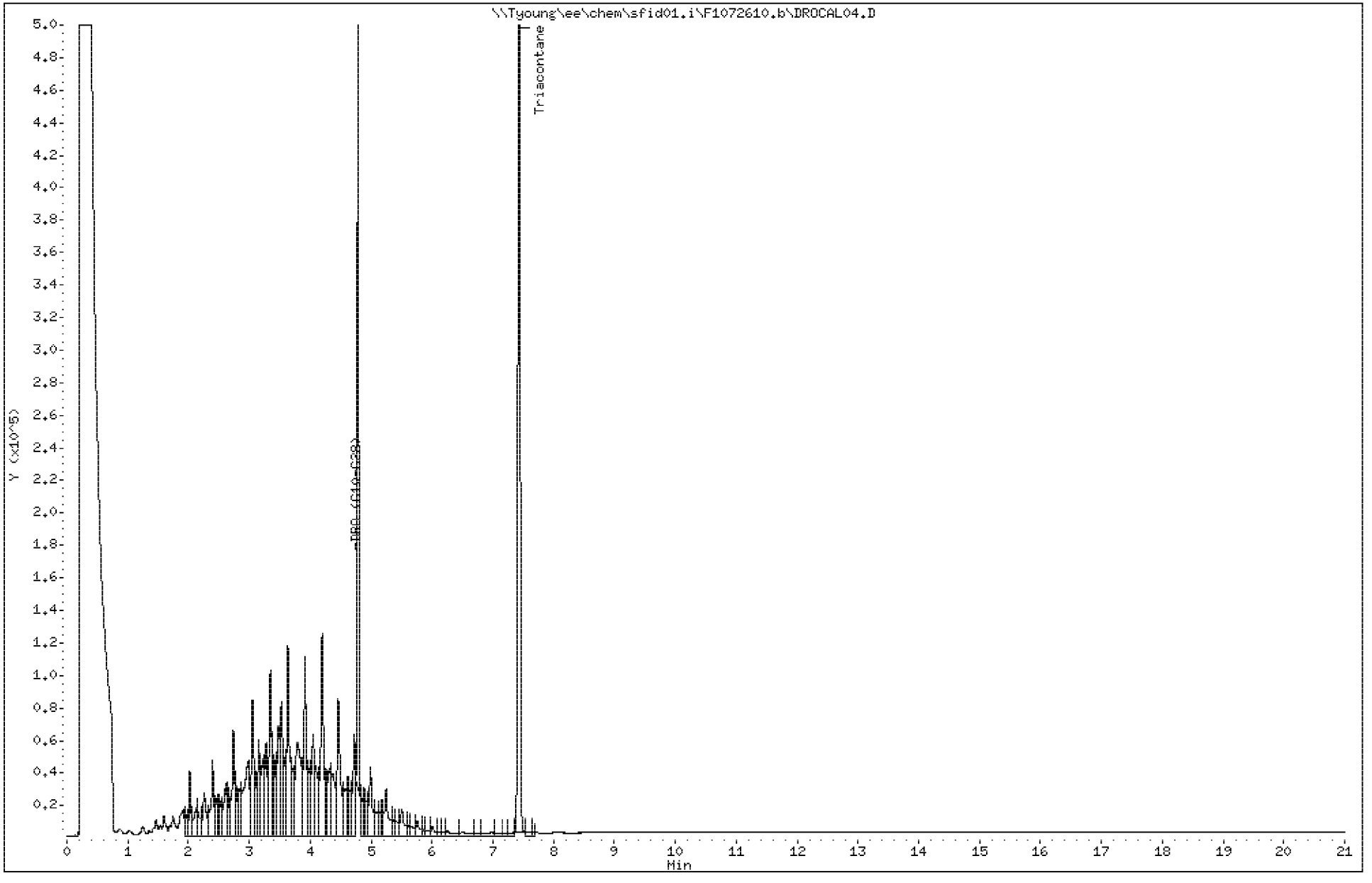
Sample Info: 35772

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCAL05.D
Lab Smp Id: 35773 Client Smp ID: DROCAL05
Inj Date : 26-JUL-2010 17:12
Operator : Inst ID: sfid01.i
Smp Info : 35773
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 17:12 Cal File: DROCAL05.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		74475125	2.00000	2.0(M)
$ 2 ortho-Terphenyl	4.786	4.760	0.026	3642138	0.10000	0.094(M)
$ 4 Triacontane	7.443	7.343	0.100	7083670	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCAL05.D

Date : 26-JUL-2010 17:12

Client ID: DROCAL05

Instrument: sfid01.i

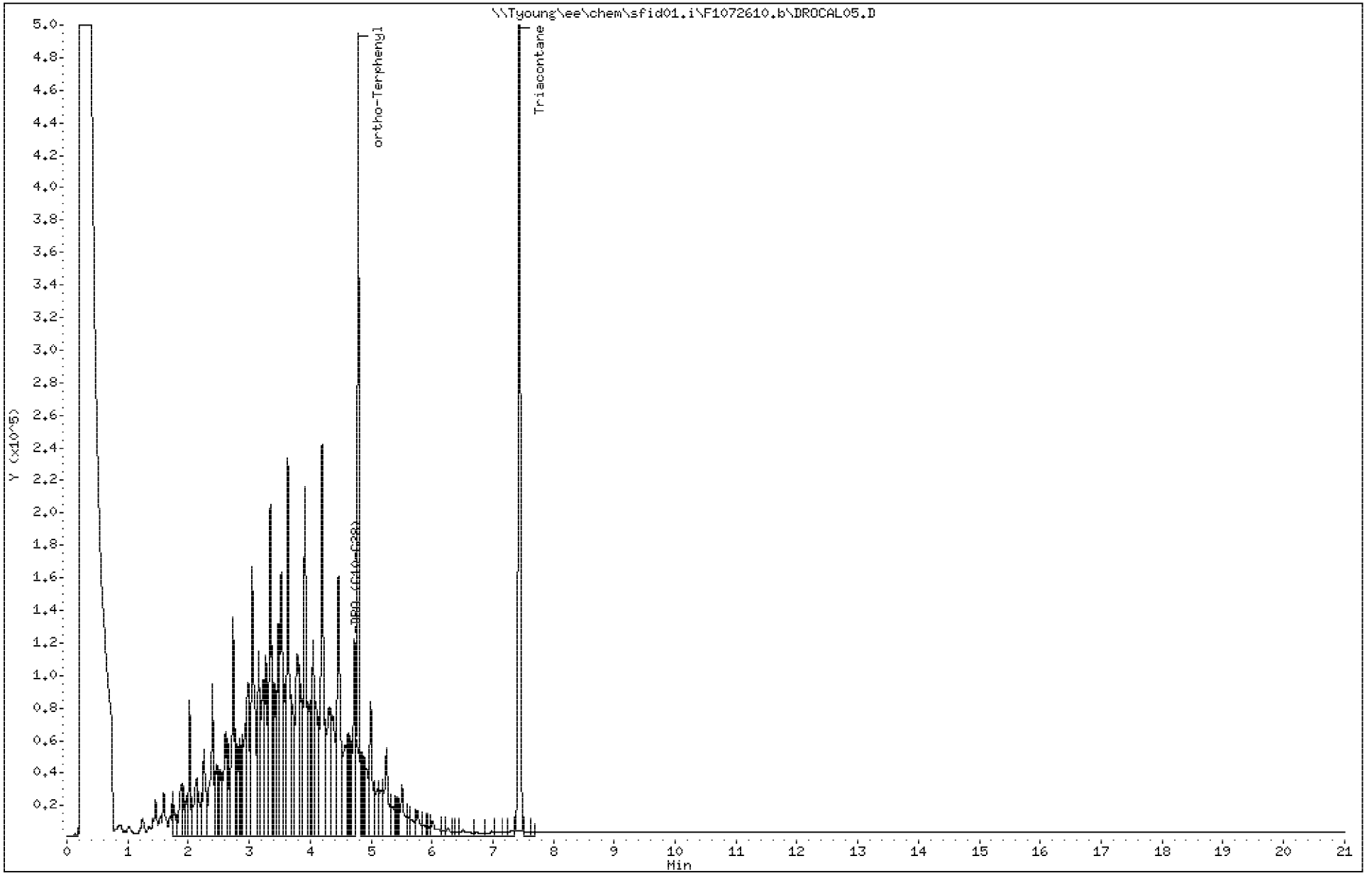
Sample Info: 35773

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCAL06.D
Lab Smp Id: 35774 Client Smp ID: DROCAL06
Inj Date : 26-JUL-2010 16:43
Operator : Inst ID: sfid01.i
Smp Info : 35774
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 16:43 Cal File: DROCAL06.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		145957425	4.00000	4.0(M)
$ 2 ortho-Terphenyl	4.820	4.760	0.060	3715206	0.10000	0.096(M)
$ 4 Triacontane	7.543	7.343	0.200	7239209	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCAL06.D

Date : 26-JUL-2010 16:43

Client ID: DROCAL06

Instrument: sfid01.i

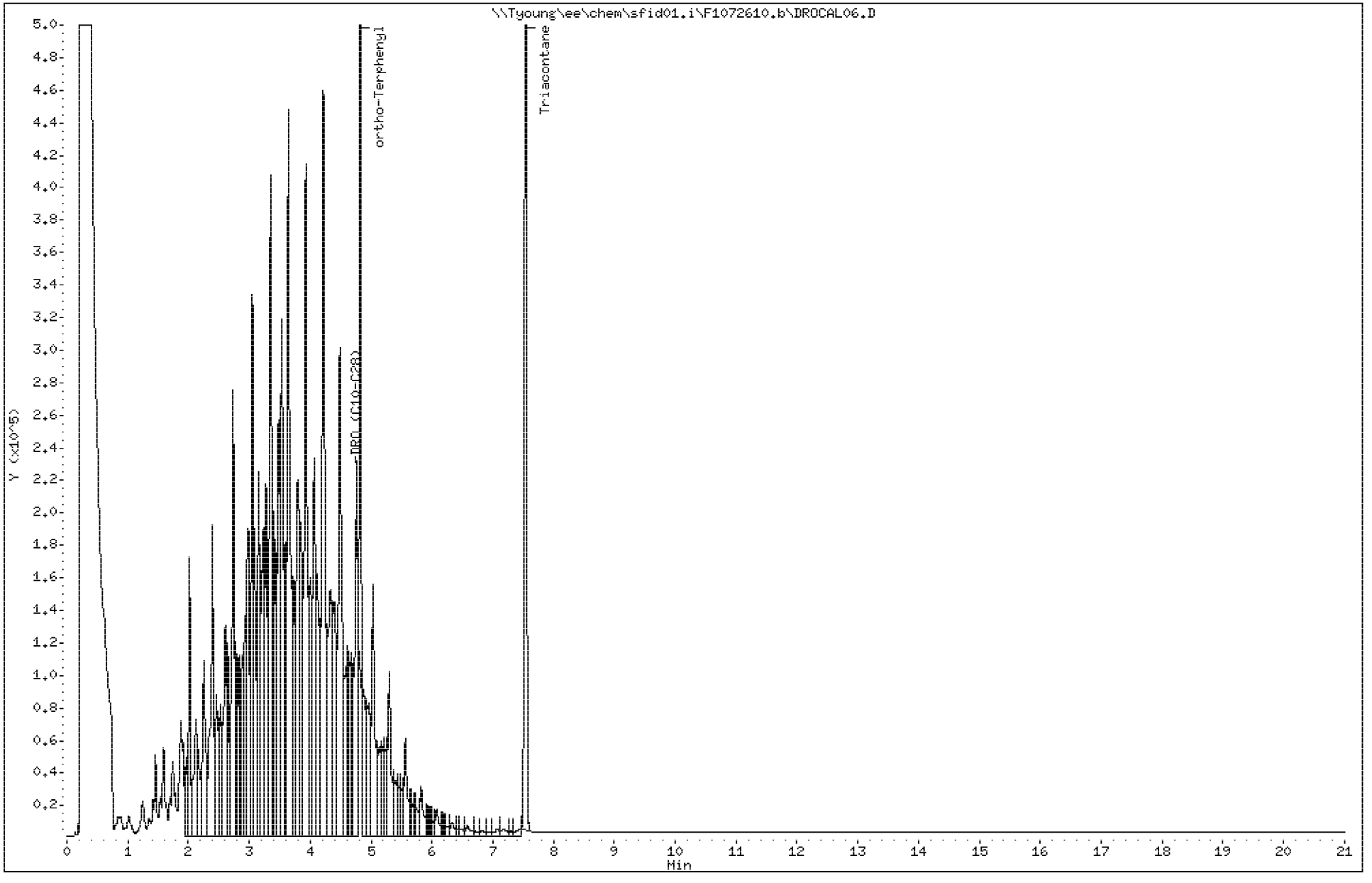
Sample Info: 35774

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROSEC.D
Lab Smp Id: 35767 Client Smp ID: DROSEC
Inj Date : 26-JUL-2010 19:34
Operator : Inst ID: sfid01.i
Smp Info : 35767
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 16:43 Cal File: DROCAL06.D
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		70776971	2.00000	1.9(M)
$ 2 ortho-Terphenyl	4.783	4.760	0.023	4365686	0.10000	0.11(M)
$ 4 Triacontane	7.436	7.343	0.093	7118650	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROSEC.D

Date : 26-JUL-2010 19:34

Client ID: DROSEC

Instrument: sfid01.i

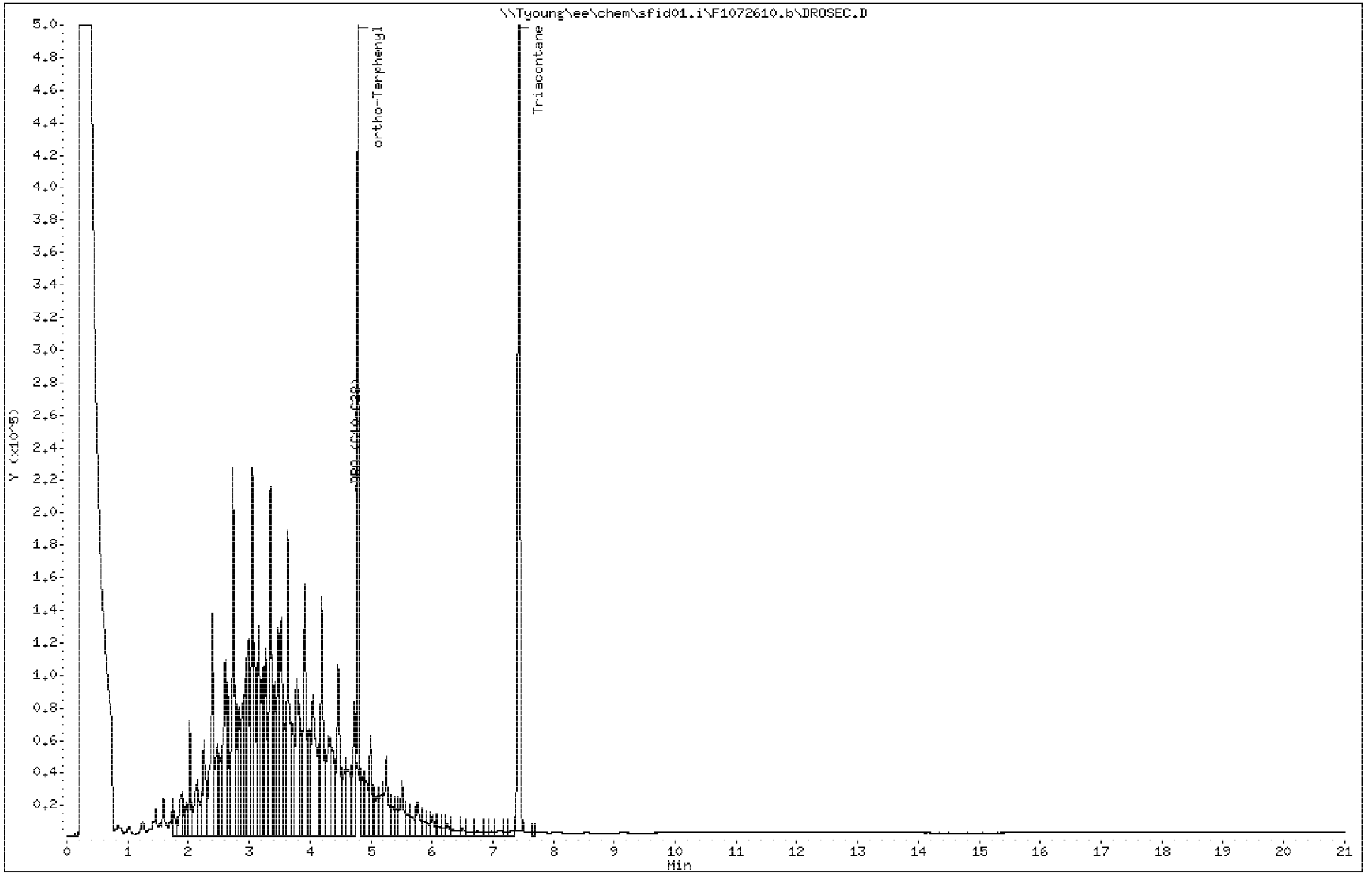
Sample Info: 35767

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\1212LCS.D
Lab Smp Id: 41731LCS Client Smp ID: 41731LCS
Inj Date : 27-JUL-2010 00:43
Operator : Inst ID: sfid01.i
Smp Info : 41731lcs
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 19:05 Cal File: DROCAL01.D
Als bottle: 17 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 DRO (C10-C28)	1.935	7.600		44748718	1.14796	1.1(M)
$ 2 ortho-Terphenyl	4.806	4.760	0.046	4754580	0.12266	0.12(M)
$ 4 Triacontane	7.433	7.343	0.090	7659070	0.21200	0.21(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\1212LCS.D

Date : 27-JUL-2010 00:43

Client ID: 41731LCS

Instrument: sfid01.i

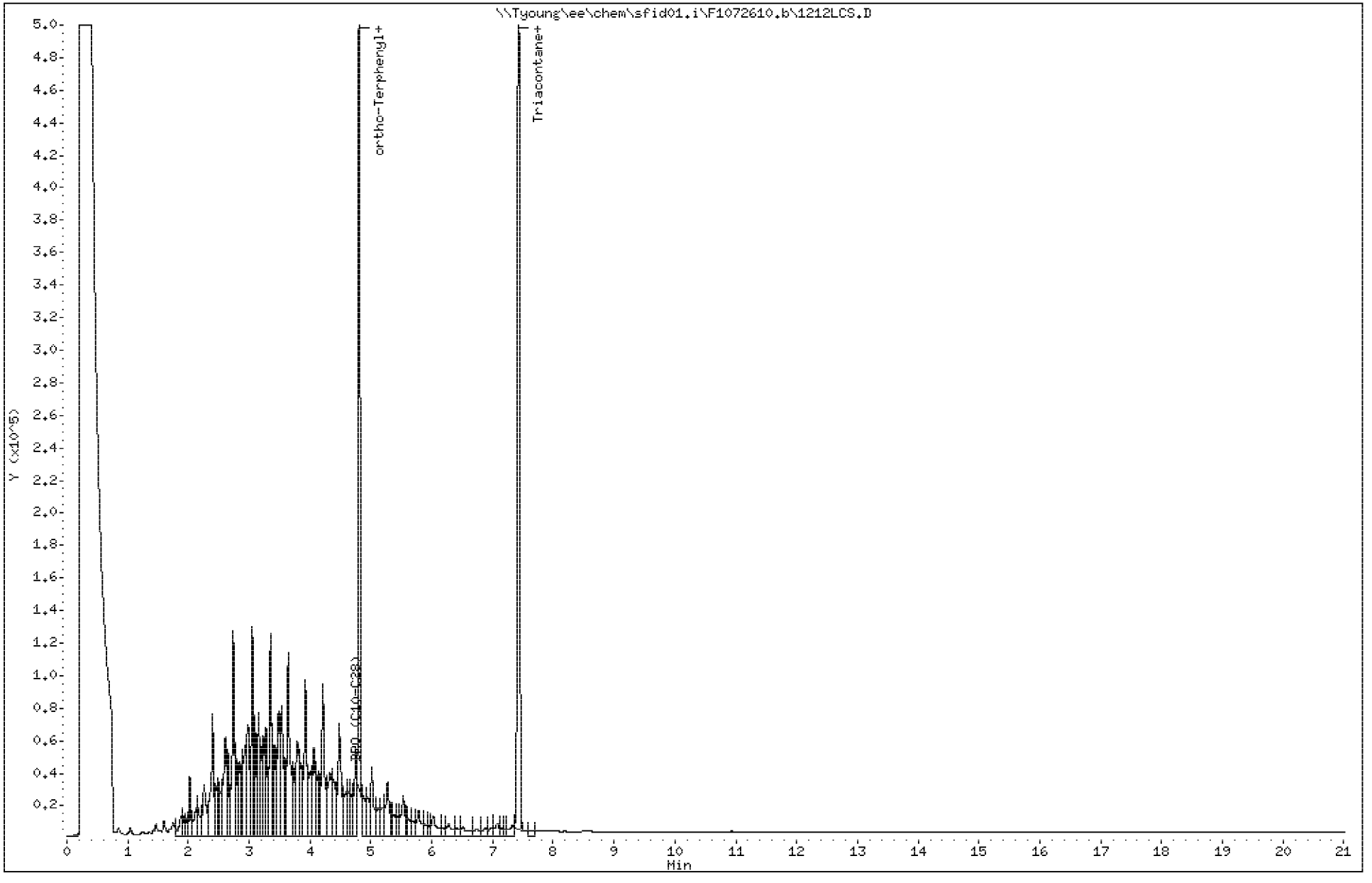
Sample Info: 41731lcs

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\1212MB.D
Lab Smp Id: 41733MB Client Smp ID: 41733MB
Inj Date : 27-JUL-2010 00:15
Operator : Inst ID: sfid01.i
Smp Info : 41733mb
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 19:05 Cal File: DROCAL01.D
Als bottle: 16 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 DRO (C10-C28)	1.935	7.600		8176792	0.12181	0.12(M)
$ 2 ortho-Terphenyl	4.760	4.760	0.000	2781510	0.07176	0.072(M)
$ 4 Triacontane	7.343	7.343	0.000	4150042	0.11487	0.11(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\1212MB.D

Date : 27-JUL-2010 00:15

Client ID: 41733MB

Instrument: sfid01.i

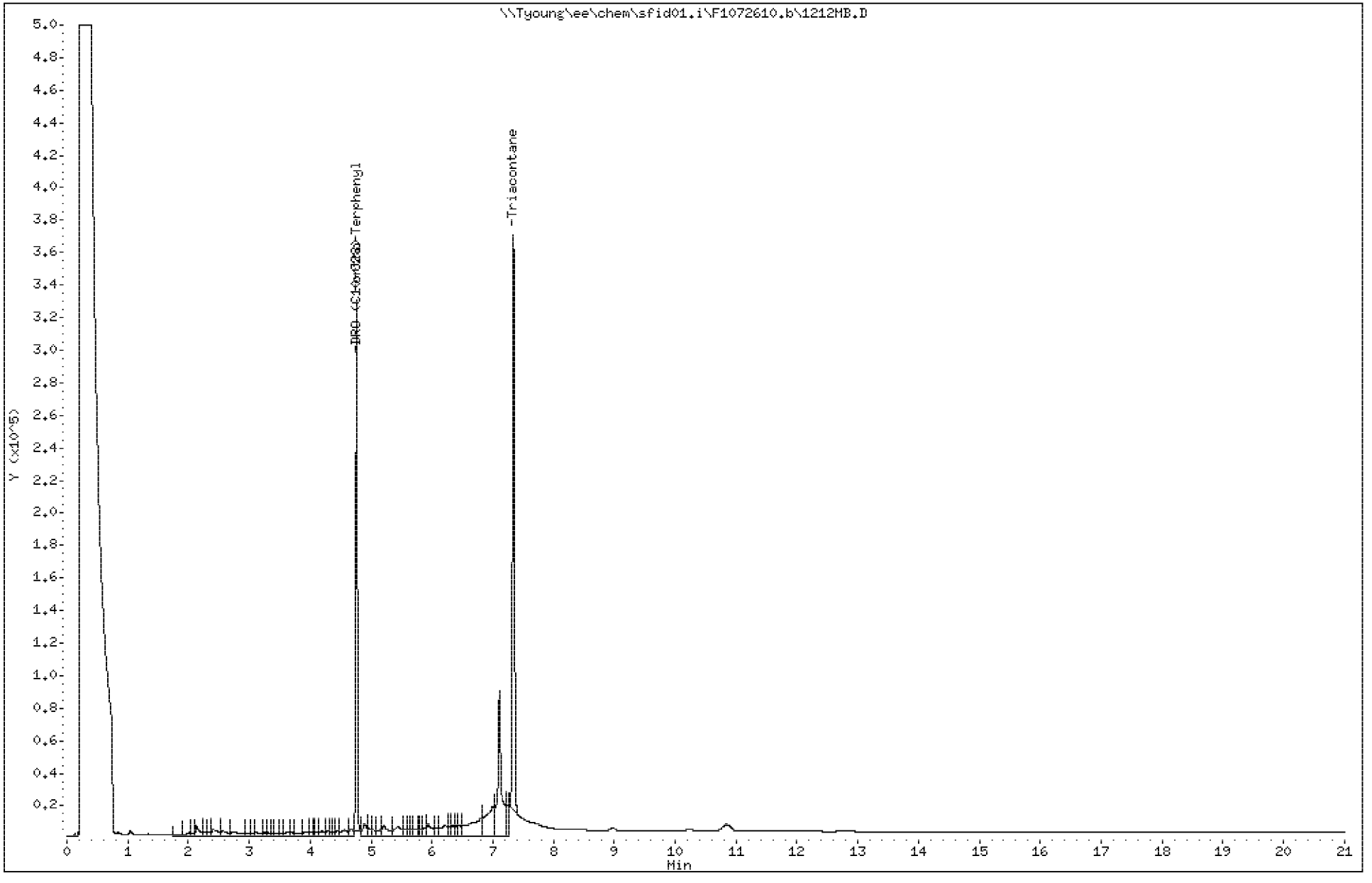
Sample Info: 41733mb

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\237-01.D
Lab Smp Id: 350023701 Client Smp ID: ST106-FD-10625-2007
Inj Date : 27-JUL-2010 02:36
Operator : Inst ID: sfid01.i
Smp Info : 350023701
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 19:05 Cal File: DROCAL01.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	930.000	Sample Initial Volume
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 DRO (C10-C28)	1.935	7.600		5189411	0.03799	0.041(M)
$ 2 ortho-Terphenyl	4.780	4.760	0.020	3413877	0.08807	0.095(M)
$ 4 Triacontane	7.393	7.343	0.050	5161057	0.14286	0.15(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\237-01.D

Date : 27-JUL-2010 02:36

Client ID: ST106-FD-10625-2007

Instrument: sfid01.i

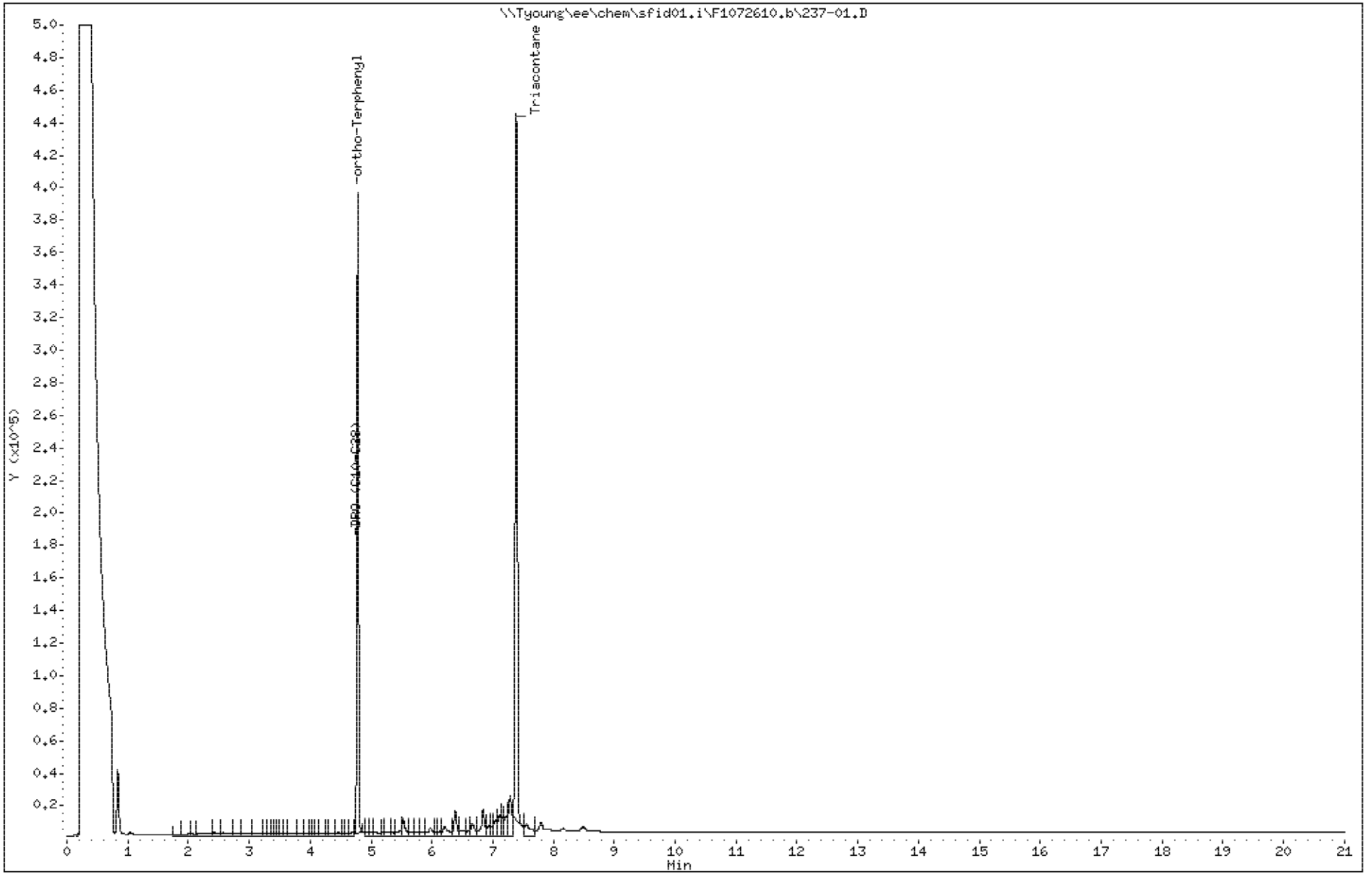
Sample Info: 350023701

Volume Injected (uL): 930.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\237-02.D
Lab Smp Id: 350023702 Client Smp ID: ST106-GW-10625-2007
Inj Date : 27-JUL-2010 03:04
Operator : Inst ID: sfid01.i
Smp Info : 350023702
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 19:05 Cal File: DROCAL01.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	970.000	Sample Initial Volume
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 DRO (C10-C28)	1.935	7.600		4209736	0.01050	0.011(M)
$ 2 ortho-Terphenyl	4.773	4.760	0.013	2355989	0.06078	0.063(M)
$ 4 Triacontane	7.376	7.343	0.033	4644666	0.12856	0.13(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\237-02.D

Date : 27-JUL-2010 03:04

Client ID: ST106-GW-10625-2007

Instrument: sfid01.i

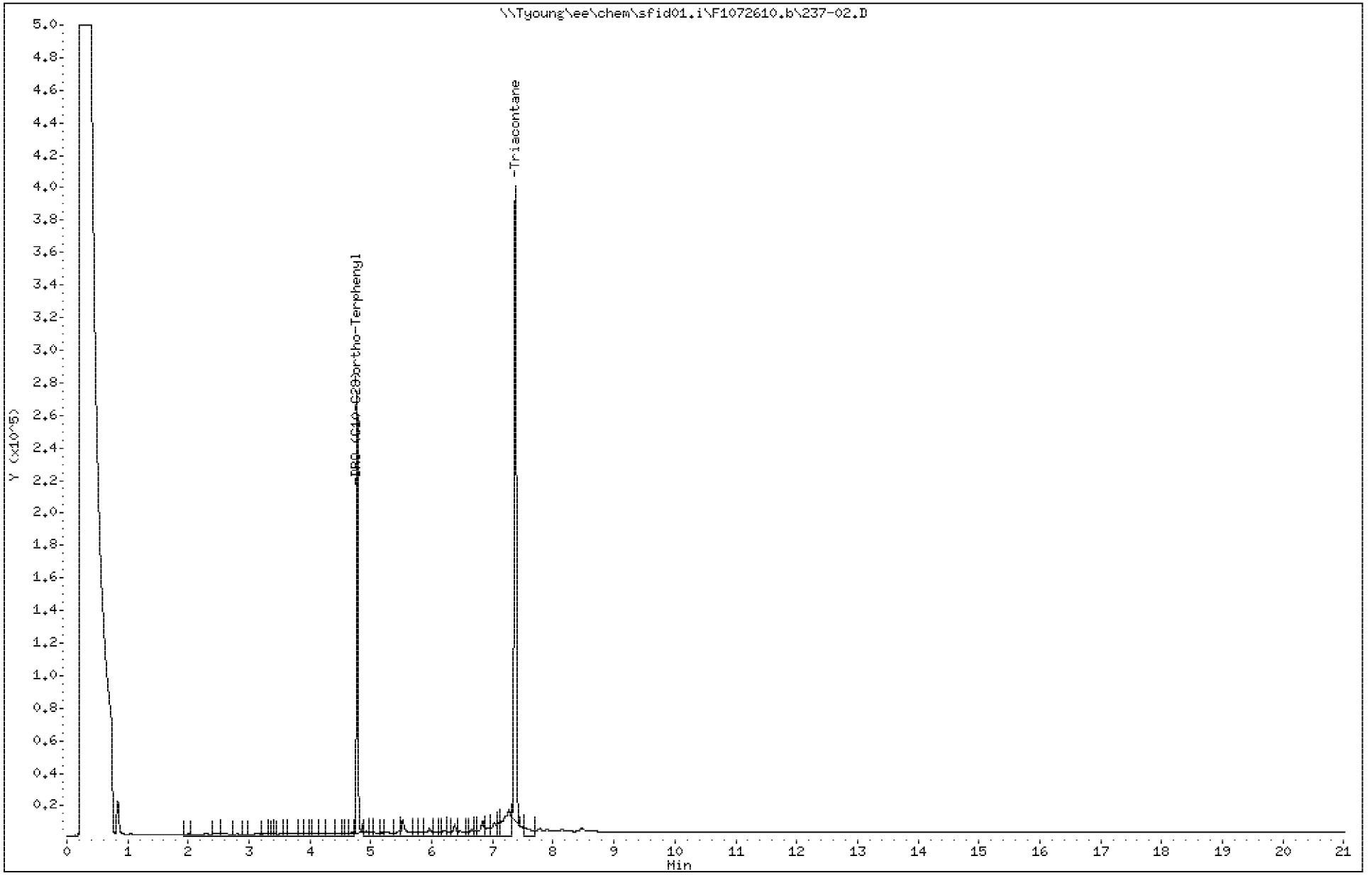
Sample Info: 350023702

Volume Injected (uL): 970.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\237-03.D
Lab Smp Id: 350023703 Client Smp ID: ST106-MS-10625-2007
Inj Date : 27-JUL-2010 03:32
Operator : Inst ID: sfid01.i
Smp Info : 350023703
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 19:05 Cal File: DROCAL01.D
Als bottle: 22 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	970.000	Sample Initial Volume
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 DRO (C10-C28)	1.935-7.600			22956329	0.53650	0.55(M)
$ 2 ortho-Terphenyl	4.780	4.760	0.020	2394968	0.06179	0.064(M)
$ 4 Triacontane	7.420	7.343	0.077	4374395	0.12108	0.12(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\237-03.D

Date : 27-JUL-2010 03:32

Client ID: ST106-MS-10625-2007

Instrument: sfid01.i

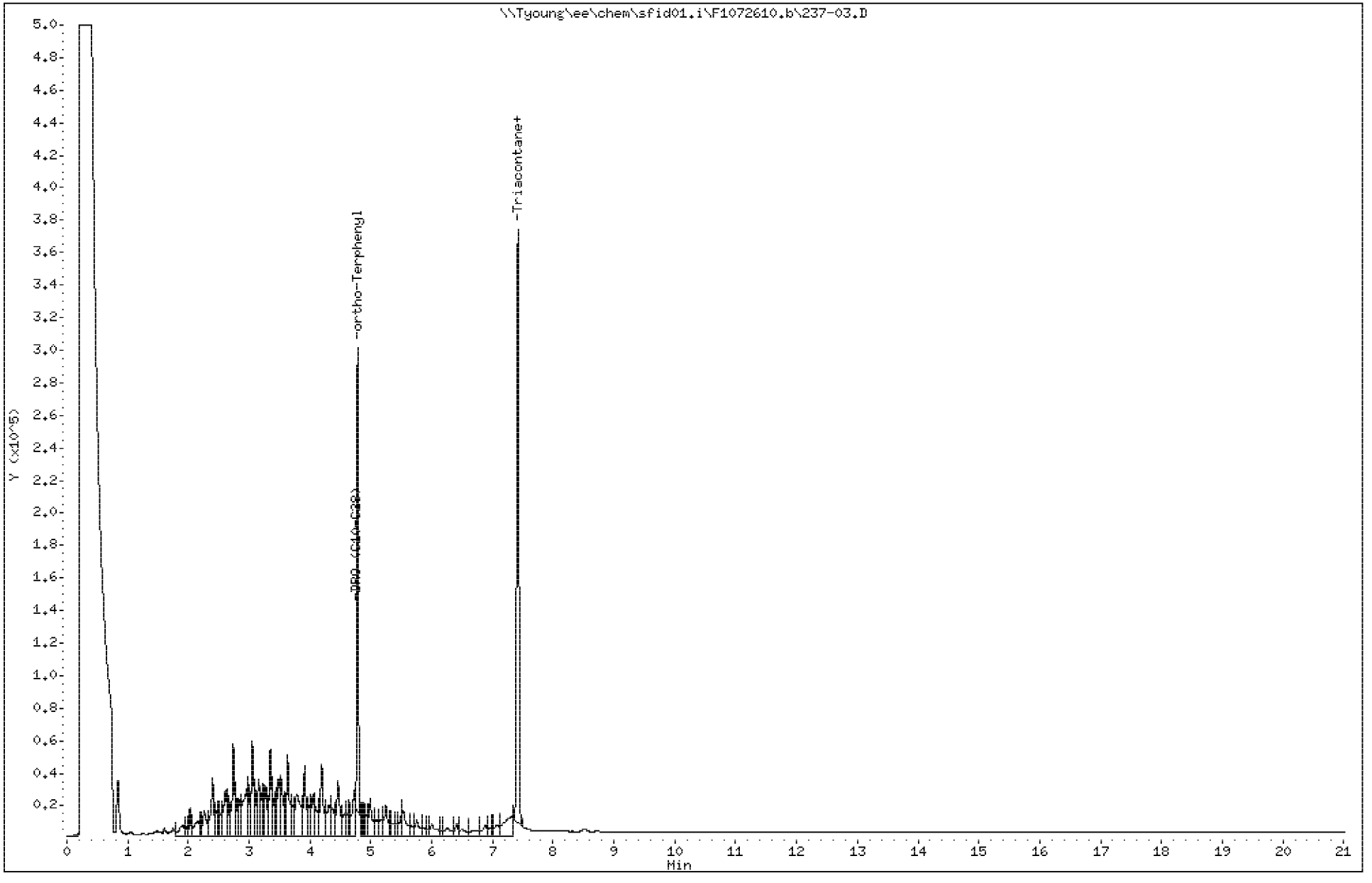
Sample Info: 350023703

Volume Injected (uL): 970.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\237-04.D
Lab Smp Id: 350023704 Client Smp ID: ST106-MSD-10625-200
Inj Date : 27-JUL-2010 04:00
Operator : Inst ID: sfid01.i
Smp Info : 350023704
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 19:05 Cal File: DROCAL01.D
Als bottle: 23 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	930.000	Sample Initial Volume
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 DRO (C10-C28)	1.935	7.600		18115978	0.40069	0.43(M)
$ 2 ortho-Terphenyl	4.793	4.760	0.033	1839056	0.04745	0.051(RM)
$ 4 Triacontane	7.446	7.343	0.103	4849014	0.13422	0.14(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\237-04.D

Date : 27-JUL-2010 04:00

Client ID: ST106-MSD-10625-200

Instrument: sfid01.i

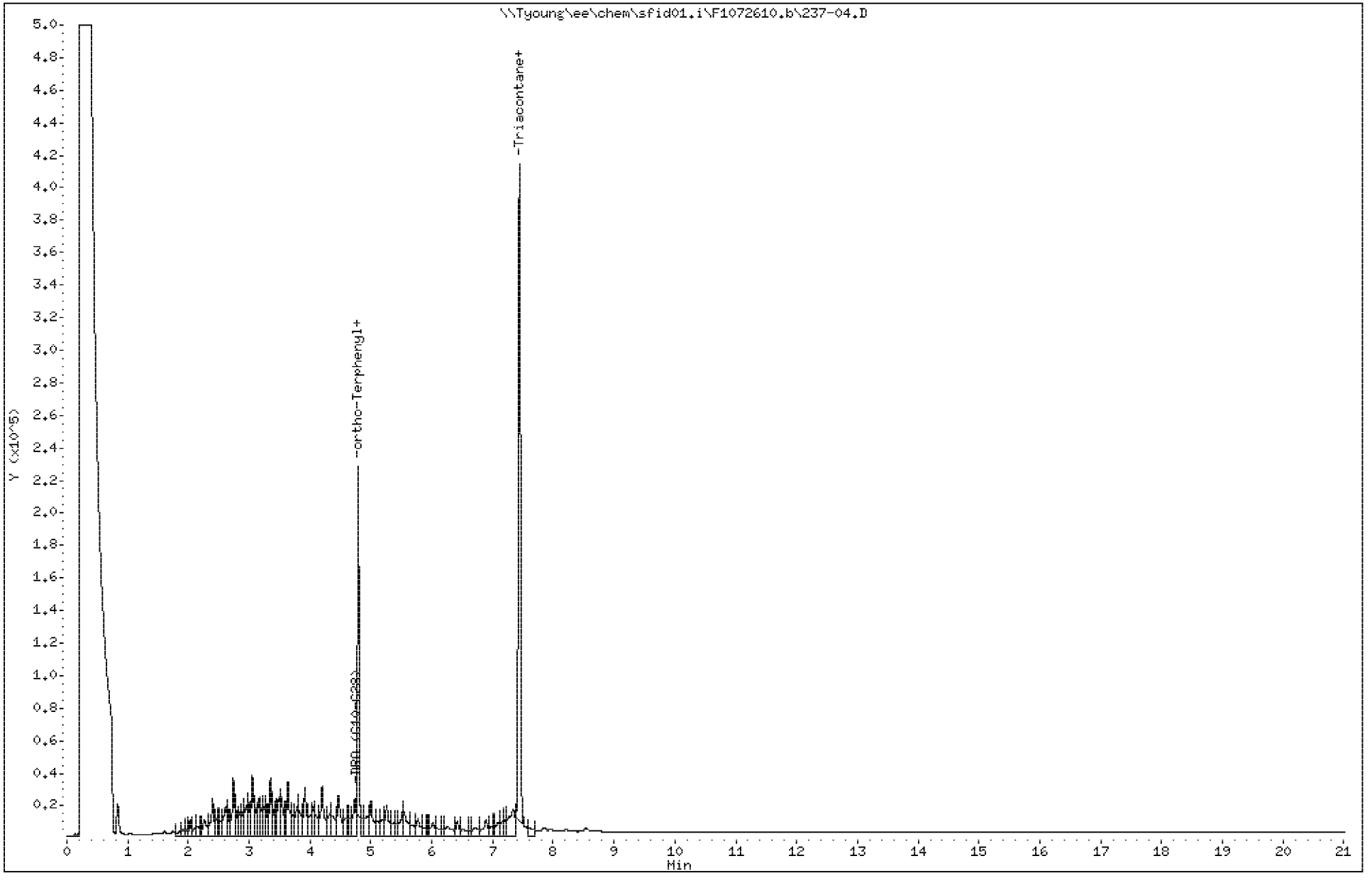
Sample Info: 350023704

Volume Injected (uL): 930.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\237-05.D
Lab Smp Id: 350023705 Client Smp ID: ST106-GW-10626-2007
Inj Date : 27-JUL-2010 04:28
Operator : Inst ID: sfid01.i
Smp Info : 350023705
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 19:05 Cal File: DROCAL01.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	950.000	Sample Initial Volume
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
$ 2 ortho-Terphenyl	4.763	4.760	0.003	3179282	0.08202	0.086(M)
$ 4 Triacontane	7.373	7.343	0.030	5122112	0.14178	0.15(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\237-05.D

Date : 27-JUL-2010 04:28

Client ID: ST106-GW-10626-2007

Instrument: sfid01.i

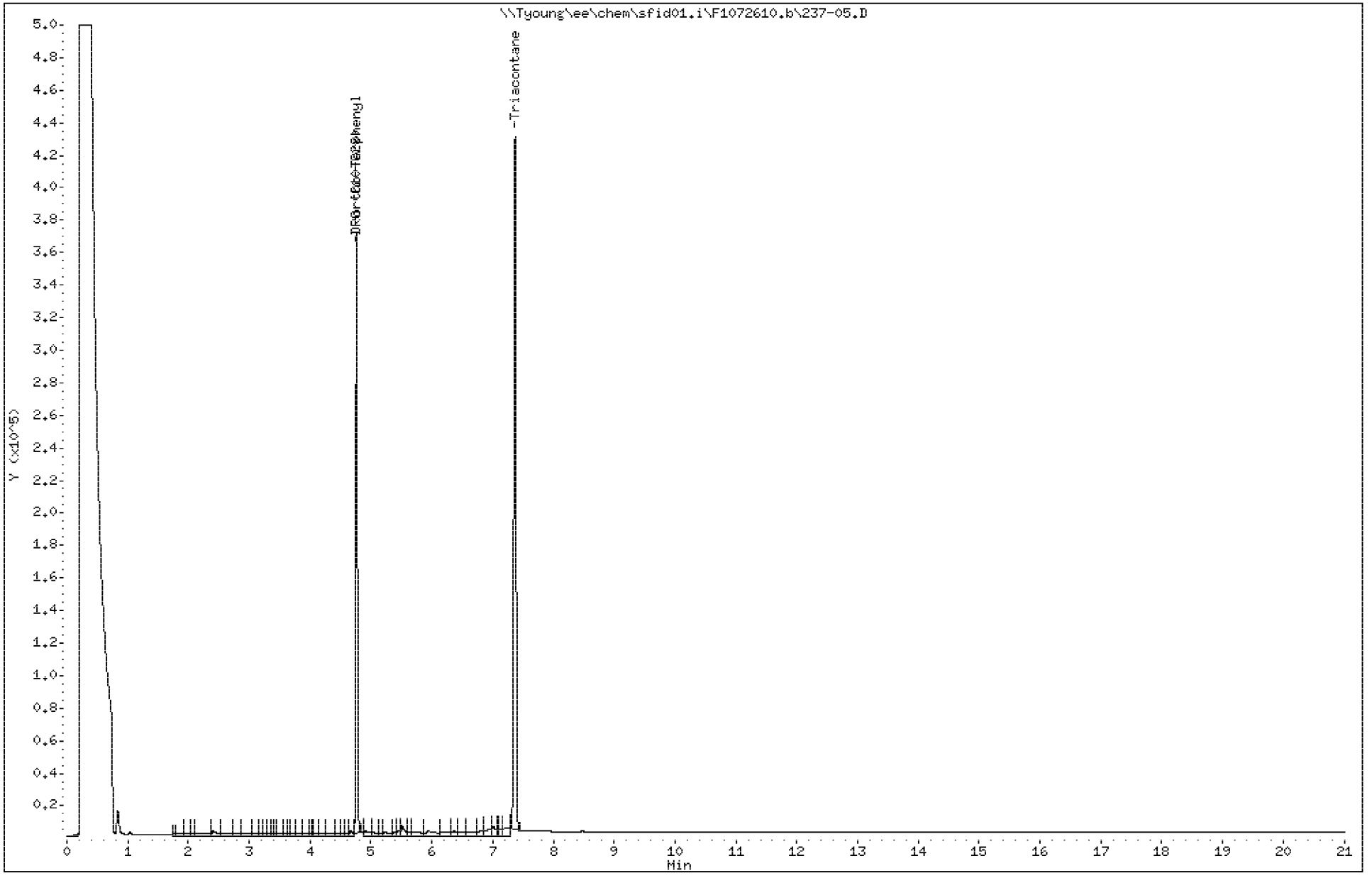
Sample Info: 350023705

Volume Injected (uL): 950.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCCV1.D
Lab Smp Id: 35773 Client Smp ID: DROCCV1
Inj Date : 26-JUL-2010 20:02
Operator : Inst ID: sfid01.i
Smp Info : 35773
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 16:43 Cal File: DROCAL06.D
Als bottle: 96 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		75647033	2.00000	2.0(M)
$ 2 ortho-Terphenyl	4.800	4.760	0.040	3712537	0.10000	0.096(M)
$ 4 Triacontane	7.473	7.343	0.130	7242229	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCCV1.D

Date : 26-JUL-2010 20:02

Client ID: DROCCV1

Instrument: sfid01.i

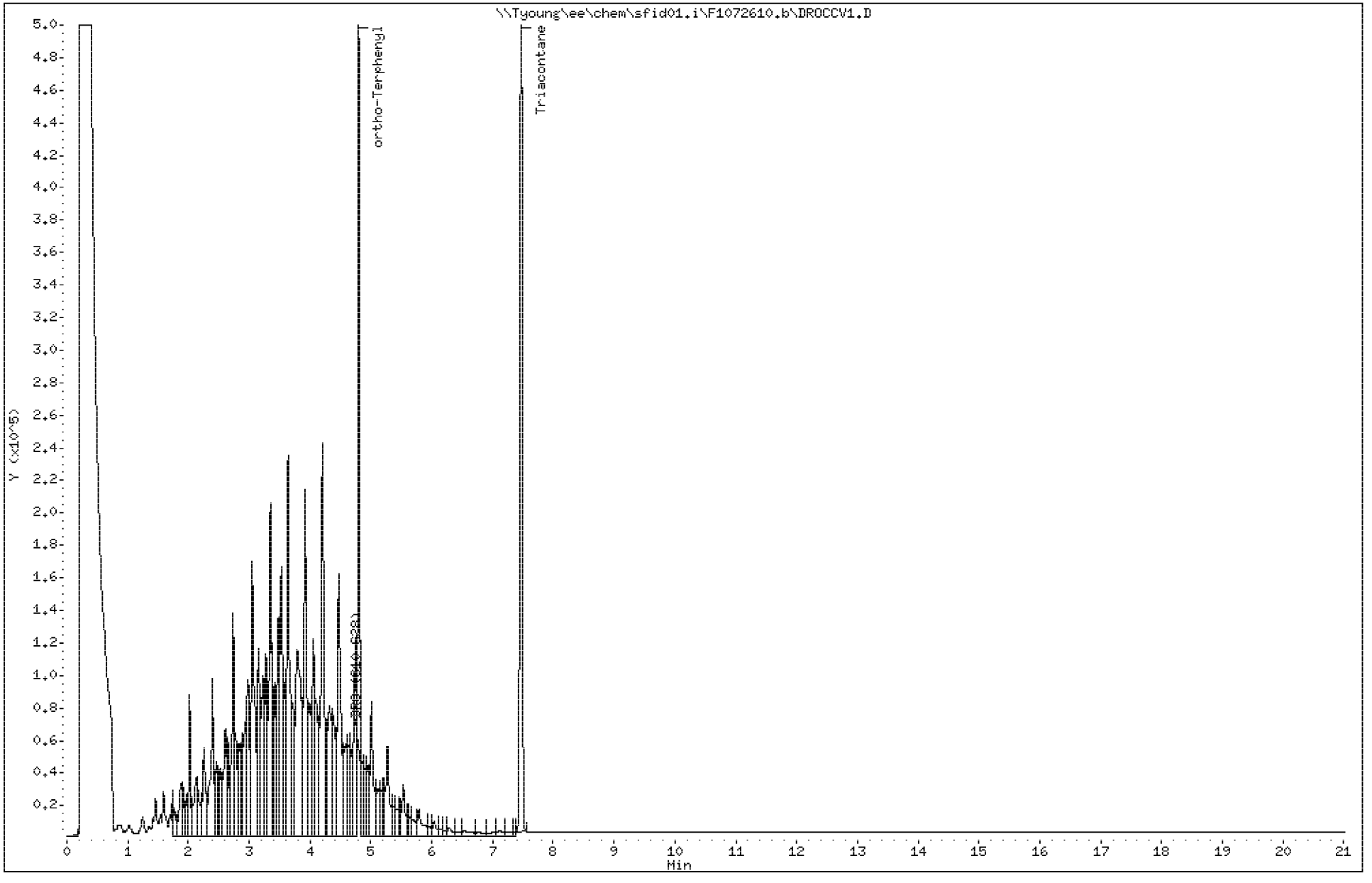
Sample Info: 35773

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCCV2.D
Lab Smp Id: 35773 Client Smp ID: DROCCV2
Inj Date : 27-JUL-2010 01:12
Operator : Inst ID: sfid01.i
Smp Info : 35773
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 19:05 Cal File: DROCAL01.D
Als bottle: 95 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		75447271	2.00000	2.0(M)
$ 2 ortho-Terphenyl	4.760	4.760	0.000	3719394	0.10000	0.096(M)
$ 4 Triacontane	7.343	7.343	0.000	7151275	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCCV2.D

Date : 27-JUL-2010 01:12

Client ID: DROCCV2

Instrument: sfid01.i

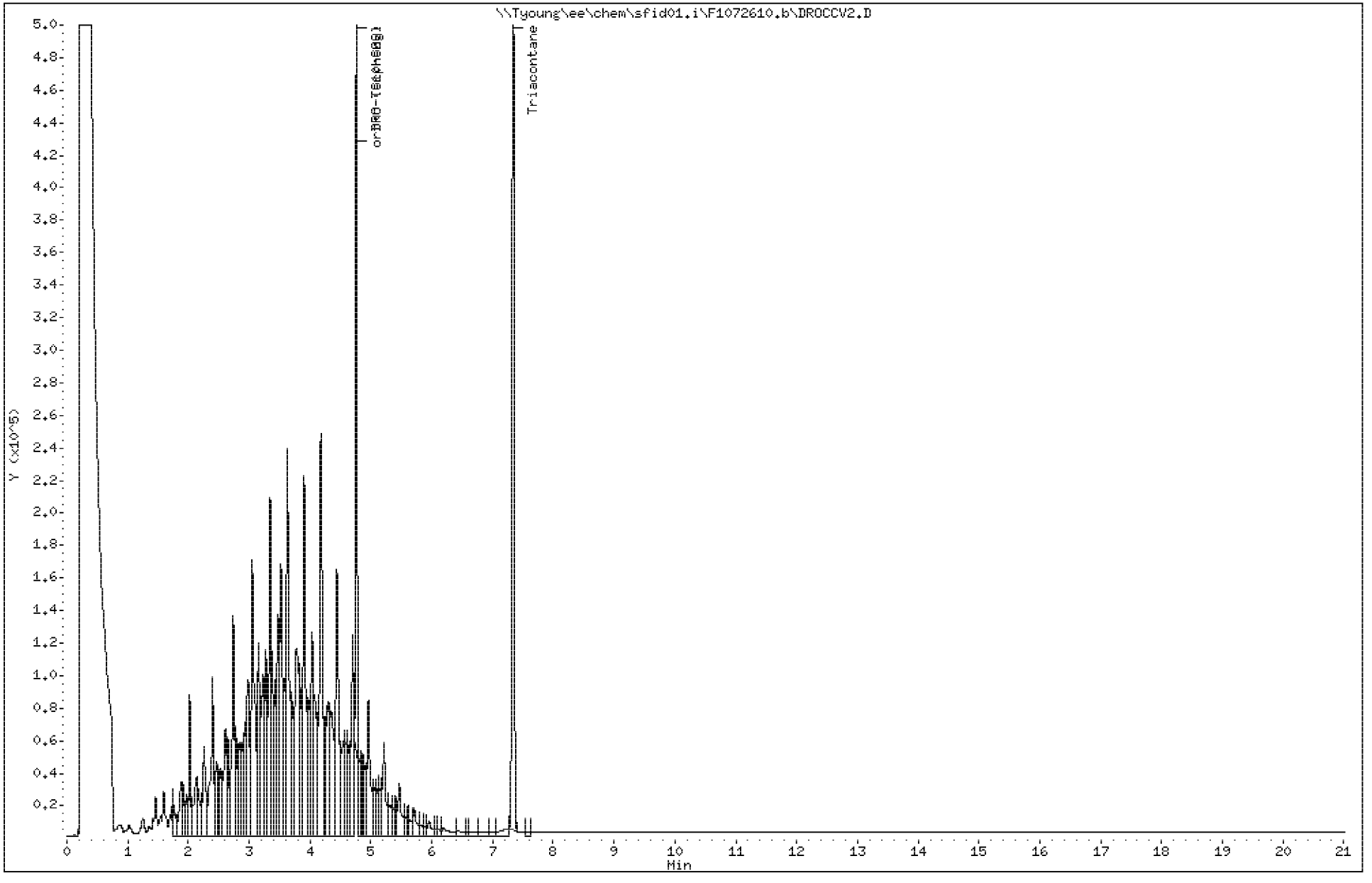
Sample Info: 35773

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCCV3.D
Lab Smp Id: 35773 Client Smp ID: DROCCV3
Inj Date : 27-JUL-2010 05:52
Operator : Inst ID: sfid01.i
Smp Info : 35773
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 16:43 Cal File: DROCAL06.D
Als bottle: 94 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		71822394	2.00000	1.9(M)
$ 2 ortho-Terphenyl	4.793	4.760	0.033	3603456	0.10000	0.093(M)
$ 4 Triacontane	7.430	7.343	0.087	7086163	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCCV3.D

Date : 27-JUL-2010 05:52

Client ID: DROCCV3

Instrument: sfid01.i

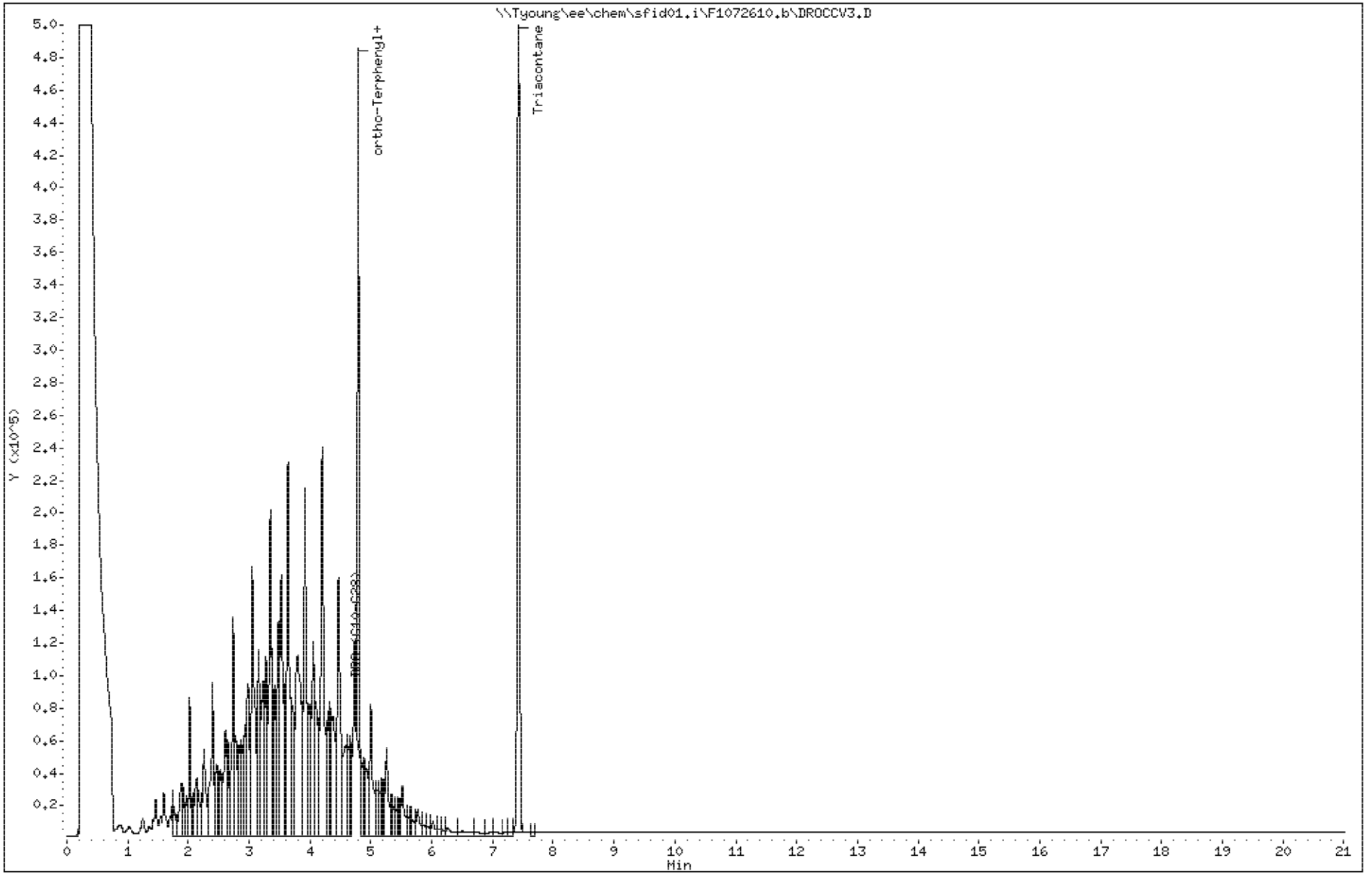
Sample Info: 35773

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCCV1.D
Lab Smp Id: 35773 Client Smp ID: DROCCV1
Inj Date : 26-JUL-2010 20:02
Operator : Inst ID: sfid01.i
Smp Info : 35773
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 16:43 Cal File: DROCAL06.D
Als bottle: 96 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		75647033	2.00000	2.0(M)
$ 2 ortho-Terphenyl	4.800	4.760	0.040	3712537	0.10000	0.096(M)
$ 4 Triacontane	7.473	7.343	0.130	7242229	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCCV1.D

Date : 26-JUL-2010 20:02

Client ID: DROCCV1

Instrument: sfid01.i

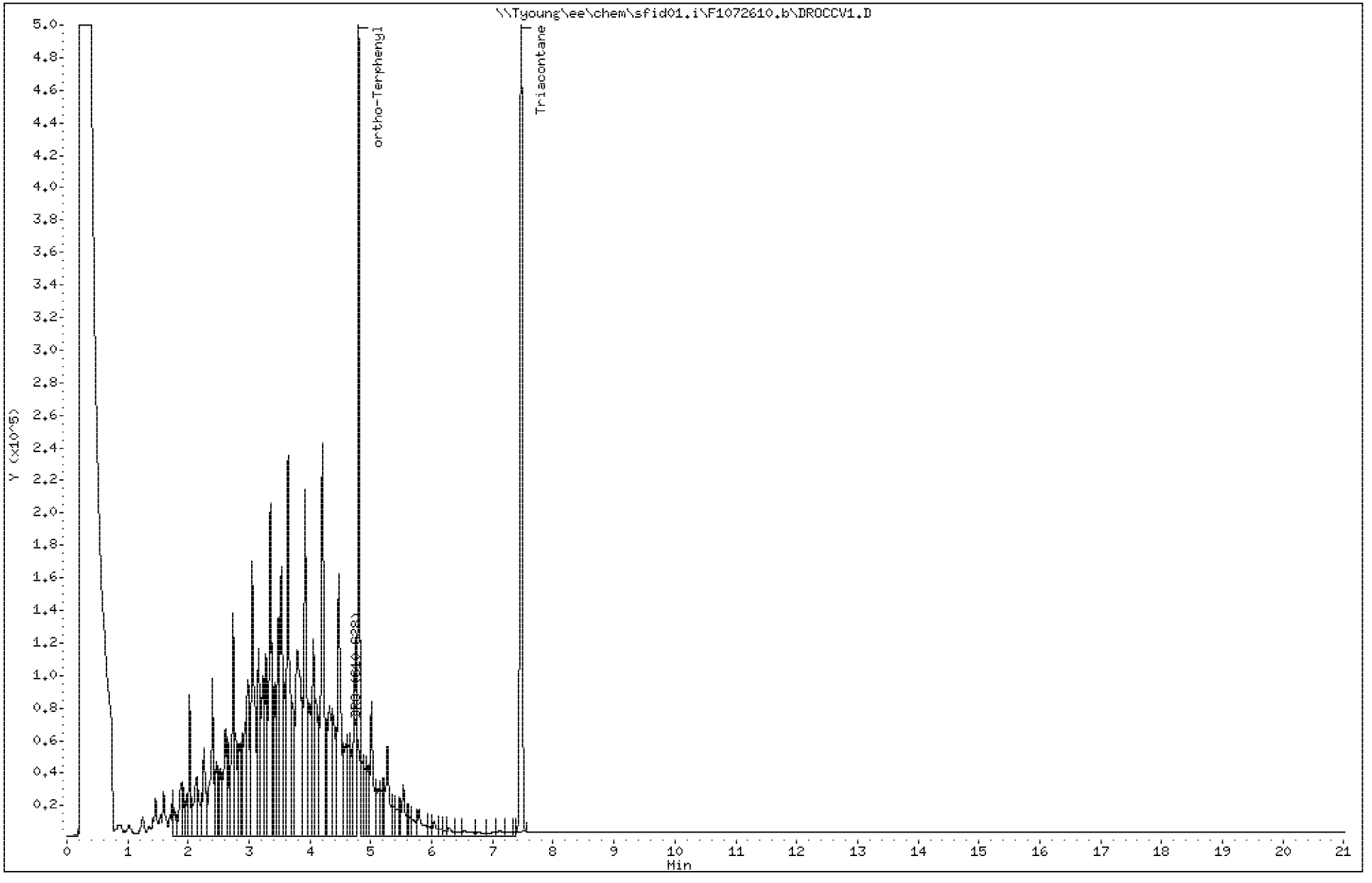
Sample Info: 35773

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCCV2.D
Lab Smp Id: 35773 Client Smp ID: DROCCV2
Inj Date : 27-JUL-2010 01:12
Operator : Inst ID: sfid01.i
Smp Info : 35773
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 19:05 Cal File: DROCAL01.D
Als bottle: 95 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		75447271	2.00000	2.0(M)
$ 2 ortho-Terphenyl	4.760	4.760	0.000	3719394	0.10000	0.096(M)
$ 4 Triacontane	7.343	7.343	0.000	7151275	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCCV2.D

Date : 27-JUL-2010 01:12

Client ID: DROCCV2

Instrument: sfid01.i

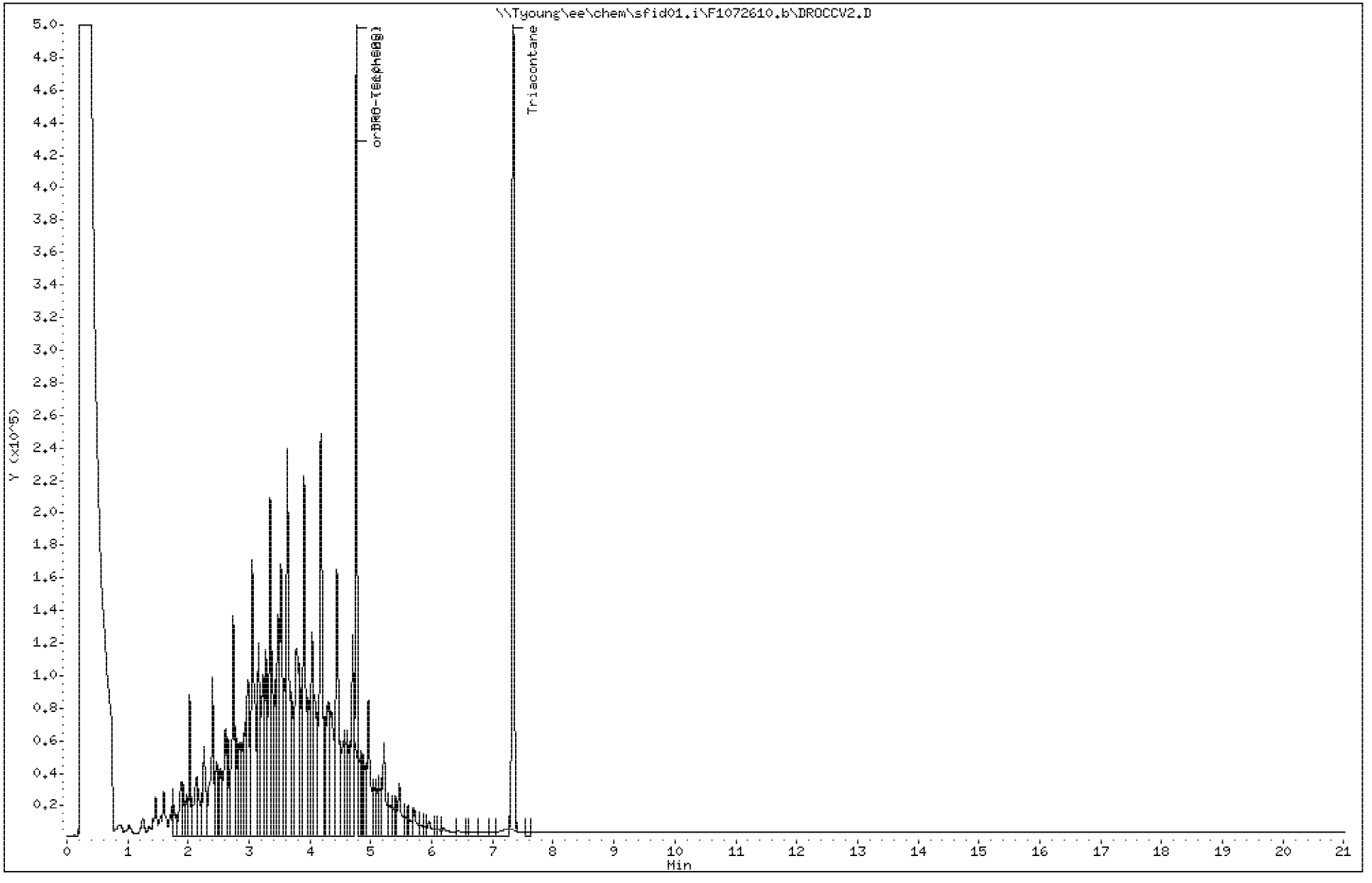
Sample Info: 35773

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCCV3.D
Lab Smp Id: 35773 Client Smp ID: DROCCV3
Inj Date : 27-JUL-2010 05:52
Operator : Inst ID: sfid01.i
Smp Info : 35773
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1072610.b\DRO.m
Meth Date : 29-Jul-2010 17:39 bspann Quant Type: ESTD
Cal Date : 26-JUL-2010 16:43 Cal File: DROCAL06.D
Als bottle: 94 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	33.000	Weight of Sample
M	0.00000	% Moisture
Vf	1.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.935	7.600		71822394	2.00000	1.9(M)
$ 2 ortho-Terphenyl	4.793	4.760	0.033	3603456	0.10000	0.093(M)
$ 4 Triacontane	7.430	7.343	0.087	7086163	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1072610.b\DROCCV3.D

Date : 27-JUL-2010 05:52

Client ID: DROCCV3

Instrument: sfid01.i

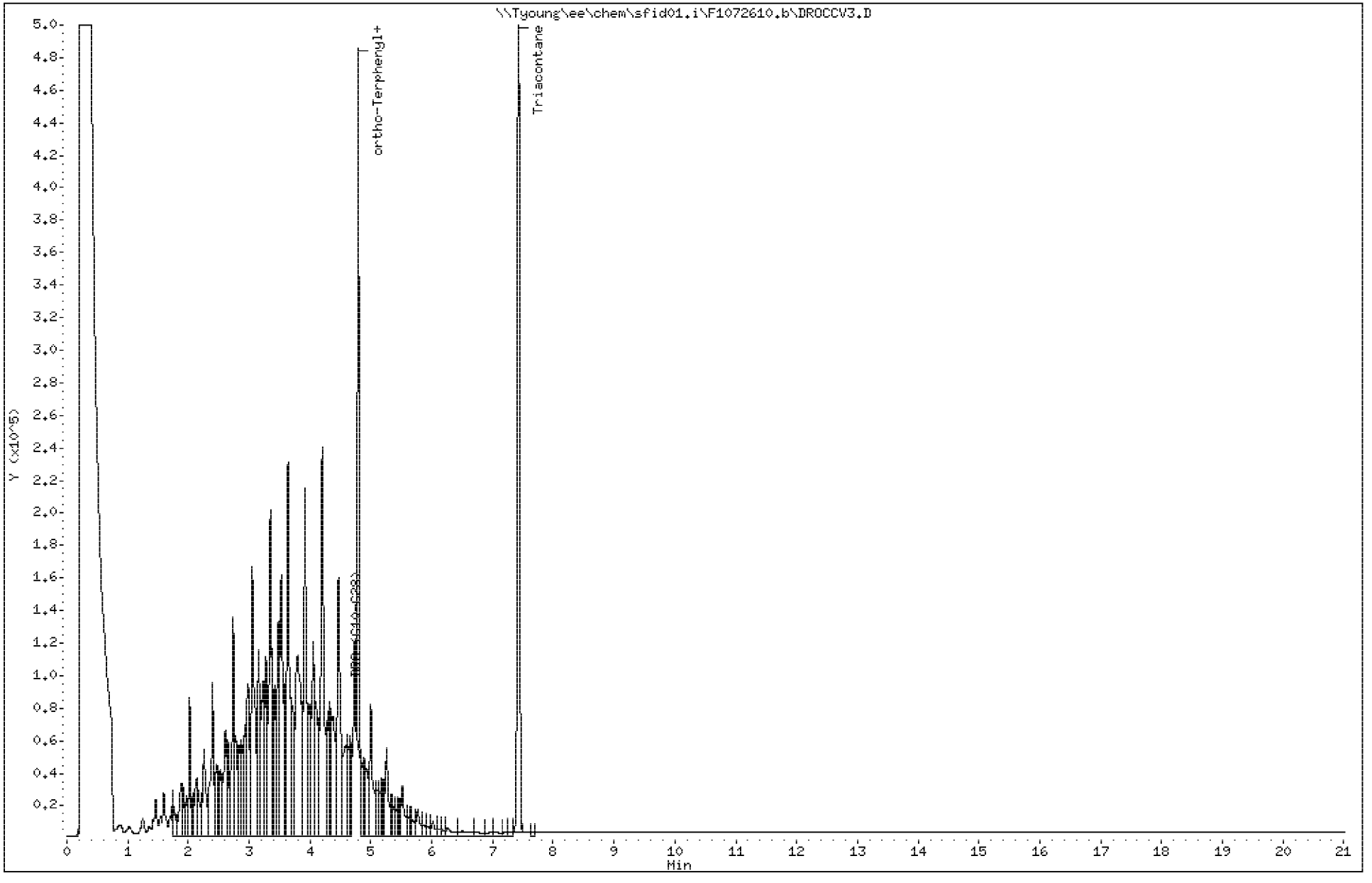
Sample Info: 35773

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



Raw Data Inorganics/Metals

Prepared by: AB
Balance ID: N/A
Filter Lot: N/A
LCS/MS/SD Spike amount: 1.0 mL Each
Water Bath Temperature: 95 °C
Dig Tube: 1001171

Date Prepared: 7/22/10
Majors Spike: MET# 35048
Minors Spike: MET# 35041
Pipette(s) Used for spikes: P2
Thermometer ID: 3233
Glass Beads: N/A

Reagents: PM#
HNO_3 35727
HCl 34976
H_2O_2 N/A

Method (Circle one)
Water: 3010A = ICP
~~3005A = ICP~~
3020A Mod = Furnace
3020A Sb Mod = Furnace
Soil: 3050B = ICP or Furnace
ILMO5.2 = CLP

PREP ID # 072210B
Start Time: 1639 Stop Time: 1107 7/23/10

	Container #	Sample ID	ID	Initial Weight (g) or Volume (mL) 3 SigFig	Final volume (mL)	Comment or Notification:	Pilot Batch # : 1228
		BLK W 072210B	BLK	50.0	50.0 mL		Pilot# 41918
		LCS W	LCS				Pilot# 19
		LCSD W	LCSD				Pilot# 20
1	7	3500237 02-D				IV 8/4 DISS only	
1	12	03-D	MS				Pilot# N/A
1	6	04-D	SD				Pilot#
2	3	05-D					
3	4	01-D					
4	10	3500240 02-D				AFCEE 8/4 DISS only	
5	6	03-D					
6	6	04-D					
7	6	3500248 01-D				IV 8/5 DISS only	
8	4	02-D					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

VOID AB 7/22/10

Reprocessing Begun
Logged In Analyst: inorg Technique: ICP Continuous

Results Data Set (original): 072310
Results Library (original): D:\pe\administrator\Results\Results.mdb
Results Data Set (reprocessed): 072310A-2
Results Library (reprocessed): D:\pe\administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: STD1-Blank
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/23/2010 9:26:11 AM
Data Type: Reprocessed on 7/23/2010 10:52:18 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD1-Blank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Sc Radial	388847.9	4392.43	1.13%	100	%
Sc 361.383	2862640.5	54398.54	1.90%	100	%
Ag 328.068†	-149.7	82.70	55.26%	[0.00]	ug/L
Al 308.215†	356.4	3.44	0.97%	[0.00]	ug/L
As 188.979†	-19.5	2.56	13.12%	[0.00]	ug/L
Ba 233.527†	-435.5	14.82	3.40%	[0.00]	ug/L
Be 234.861†	-306.6	10.90	3.56%	[0.00]	ug/L
Ca 315.887†	65.1	12.93	19.85%	[0.00]	ug/L
Cd 226.502†	-45.1	4.23	9.39%	[0.00]	ug/L
Co 228.616†	-121.7	1.19	0.98%	[0.00]	ug/L
Cr 267.716†	15.4	5.51	35.69%	[0.00]	ug/L
Cu 324.752†	9456.3	199.30	2.11%	[0.00]	ug/L
Fe 259.939†	94.7	3.17	3.35%	[0.00]	ug/L
K 766.490†	-67.0	89.10	132.89%	[0.00]	ug/L
Mg 279.077†	148.0	48.14	32.52%	[0.00]	ug/L
Mn 257.610†	575.4	19.01	3.30%	[0.00]	ug/L
Mo 202.031†	-27.0	5.20	19.29%	[0.00]	ug/L
Na 589.592†	924.8	17.32	1.87%	[0.00]	ug/L
Ni 231.604†	-180.9	7.73	4.27%	[0.00]	ug/L
Pb 220.353†	43.0	3.16	7.35%	[0.00]	ug/L
Sb 206.836†	47.5	5.47	11.52%	[0.00]	ug/L
Se 196.026†	-16.0	6.76	42.10%	[0.00]	ug/L
Sn 189.927†	-11.1	1.54	13.81%	[0.00]	ug/L
Sr 421.552†	152.2	69.30	45.54%	[0.00]	ug/L
Ti 334.940†	-119.1	80.27	67.37%	[0.00]	ug/L
Tl 190.801†	-20.2	5.27	26.12%	[0.00]	ug/L
V 292.402†	25.7	8.10	31.54%	[0.00]	ug/L
Zn 206.200†	-23.7	7.64	32.25%	[0.00]	ug/L

Sequence No.: 2
Sample ID: Calib Std 1Maj
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 7/23/2010 9:31:14 AM
Data Type: Reprocessed on 7/23/2010 10:52:19 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 1Maj

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc Radial	385692.1	2718.92	0.70%	99.2	%
Sc 361.383	2830580.2	26841.78	0.95%	98.9	%
Al 308.215†	82.5	13.21	16.01%	[25]	ug/L
Ba 233.527†	74.0	2.55	3.45%	[0.5]	ug/L
Be 234.861†	175.6	0.77	0.44%	[0.5]	ug/L
Ca 315.887†	497.1	5.49	1.10%	[25]	ug/L
Cd 226.502†	14.2	5.76	40.60%	[0.5]	ug/L
Co 228.616†	22.4	0.85	3.81%	[0.5]	ug/L
Fe 259.939†	875.4	9.09	1.04%	[40]	ug/L
K 766.490†	212.3	55.37	26.08%	[25]	ug/L
Mg 279.077†	413.2	9.22	2.23%	[25]	ug/L
Na 589.592†	253.2	23.01	9.09%	[25]	ug/L
Sr 421.552†	469.9	12.13	2.58%	[0.4]	ug/L
Ti 334.940†	317.5	73.35	23.10%	[0.4]	ug/L
V 292.402†	47.5	6.91	14.55%	[0.5]	ug/L

Sequence No.: 3
Sample ID: Calib Std 1
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/23/2010 9:36:16 AM
Data Type: Reprocessed on 7/23/2010 10:52:20 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc Radial	386715.0	1623.19	0.42%	99.5	%
Sc 361.383	2795781.9	24596.08	0.88%	97.7	%
Ag 328.068†	992.6	34.10	3.44%	[5]	ug/L
Al 308.215†	812.8	45.41	5.59%	[250]	ug/L
As 188.979†	10.5	2.77	26.42%	[5]	ug/L
Ba 233.527†	895.3	7.70	0.86%	[5]	ug/L
Be 234.861†	1922.0	10.30	0.54%	[5]	ug/L
Ca 315.887†	3330.9	45.43	1.36%	[250]	ug/L
Cd 226.502†	105.1	1.19	1.14%	[5]	ug/L
Co 228.616†	210.6	3.87	1.84%	[5]	ug/L
Cr 267.716†	284.8	15.12	5.31%	[5]	ug/L
Cu 324.752†	2413.0	96.02	3.98%	[5]	ug/L
Fe 259.939†	8462.2	120.59	1.43%	[400]	ug/L
K 766.490†	1452.3	85.44	5.88%	[250]	ug/L
Mg 279.077†	3842.4	42.57	1.11%	[250]	ug/L
Mn 257.610†	4096.1	50.57	1.23%	[5]	ug/L
Mo 202.031†	38.4	3.45	8.99%	[5]	ug/L
Na 589.592†	3269.6	20.33	0.62%	[250]	ug/L
Ni 231.604†	109.2	2.27	2.08%	[5]	ug/L
Pb 220.353†	15.6	7.82	50.15%	[5]	ug/L
Sb 206.836†	21.5	4.06	18.90%	[5]	ug/L
Se 196.026†	0.3	1.38	433.67%	[5]	ug/L
Sn 189.927†	9.8	4.06	41.49%	[4]	ug/L
Sr 421.552†	3701.4	80.95	2.19%	[4]	ug/L
Ti 334.940†	3092.3	64.51	2.09%	[4]	ug/L
Tl 190.801†	5.9	2.01	33.99%	[5]	ug/L
V 292.402†	387.1	1.96	0.51%	[5]	ug/L
Zn 206.200†	143.6	3.92	2.73%	[5]	ug/L

Sequence No.: 4
Sample ID: Calib Std 2
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/23/2010 9:40:25 AM
Data Type: Reprocessed on 7/23/2010 10:52:21 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Sc Radial	386648.8	765.74	0.20%	99.4	%
Sc 361.383	2814544.6	11643.04	0.41%	98.3	%
Ag 328.068†	11472.0	15.20	0.13%	[50]	ug/L
Al 308.215†	8005.1	121.20	1.51%	[2500]	ug/L
As 188.979†	102.0	5.20	5.10%	[50]	ug/L
Ba 233.527†	8966.6	15.21	0.17%	[50]	ug/L
Be 234.861†	19595.8	178.60	0.91%	[50]	ug/L
Ca 315.887†	31643.7	439.45	1.39%	[2500]	ug/L
Cd 226.502†	1058.0	9.67	0.91%	[50]	ug/L
Co 228.616†	1994.3	7.57	0.38%	[50]	ug/L
Cr 267.716†	2715.0	20.85	0.77%	[50]	ug/L
Cu 324.752†	22614.8	153.76	0.68%	[50]	ug/L
Fe 259.939†	84187.3	1374.18	1.63%	[4000]	ug/L
K 766.490†	12474.0	153.31	1.23%	[2500]	ug/L
Mg 279.077†	38856.6	181.64	0.47%	[2500]	ug/L
Mn 257.610†	39225.2	239.07	0.61%	[50]	ug/L
Mo 202.031†	344.1	6.02	1.75%	[50]	ug/L
Na 589.592†	32089.3	586.30	1.83%	[2500]	ug/L
Ni 231.604†	1060.8	13.84	1.31%	[50]	ug/L
Pb 220.353†	185.7	6.35	3.42%	[50]	ug/L
Sb 206.836†	159.2	8.65	5.43%	[50]	ug/L
Se 196.026†	54.2	5.50	10.14%	[50]	ug/L
Sn 189.927†	103.4	0.82	0.79%	[40]	ug/L
Sr 421.552†	36118.1	581.25	1.61%	[40]	ug/L
Ti 334.940†	30401.0	70.17	0.23%	[40]	ug/L
Tl 190.801†	124.0	5.50	4.44%	[50]	ug/L
V 292.402†	3786.1	59.77	1.58%	[50]	ug/L
Zn 206.200†	1354.4	10.67	0.79%	[50]	ug/L

Sequence No.: 5
Sample ID: Calib Std 3
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/23/2010 9:44:35 AM
Data Type: Reprocessed on 7/23/2010 10:52:22 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Sc Radial	380936.8	3984.25	1.05%	98.0	%
Sc 361.383	2646268.8	118379.52	4.47%	92.4	%
Ag 328.068†	118482.5	5053.23	4.26%	[500]	ug/L
Al 308.215†	79745.1	216.87	0.27%	[25000]	ug/L
As 188.979†	1030.0	41.76	4.05%	[500]	ug/L
Ba 233.527†	89378.3	3703.27	4.14%	[500]	ug/L
Be 234.861†	204964.8	7580.48	3.70%	[500]	ug/L
Ca 315.887†	311129.1	958.21	0.31%	[25000]	ug/L
Cd 226.502†	10319.1	398.75	3.86%	[500]	ug/L
Co 228.616†	19728.4	784.15	3.97%	[500]	ug/L
Cr 267.716†	27359.2	1113.97	4.07%	[500]	ug/L
Cu 324.752†	222748.4	8518.58	3.82%	[500]	ug/L
Fe 259.939†	814009.0	2960.17	0.36%	[40000]	ug/L
K 766.490†	121746.2	305.94	0.25%	[25000]	ug/L
Mg 279.077†	371798.6	3662.36	0.99%	[25000]	ug/L
Mn 257.610†	384051.0	14464.42	3.77%	[500]	ug/L
Mo 202.031†	3575.7	148.99	4.17%	[500]	ug/L
Na 589.592†	306586.0	761.22	0.25%	[25000]	ug/L
Ni 231.604†	10292.8	485.08	4.71%	[500]	ug/L
Pb 220.353†	1942.9	87.33	4.49%	[500]	ug/L
Sb 206.836†	1661.0	64.51	3.88%	[500]	ug/L
Se 196.026†	606.7	15.35	2.53%	[500]	ug/L
Sn 189.927†	1011.5	40.15	3.97%	[400]	ug/L
Sr 421.552†	353846.7	1424.10	0.40%	[400]	ug/L
Ti 334.940†	313203.2	12238.51	3.91%	[400]	ug/L
Tl 190.801†	1252.0	41.40	3.31%	[500]	ug/L
V 292.402†	38606.7	1711.42	4.43%	[500]	ug/L
Zn 206.200†	12756.2	498.70	3.91%	[500]	ug/L

Sequence No.: 6
Sample ID: Calib Std 4
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/23/2010 9:48:43 AM
Data Type: Reprocessed on 7/23/2010 10:52:23 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Sc Radial	346021.4	4338.20	1.25%	89.0	%
Sc 361.383	2445833.3	22374.04	0.91%	85.4	%
Al 308.215†	839378.0	9638.89	1.15%	[250000]	ug/L
As 188.979†	10042.8	97.74	0.97%	[5000]	ug/L
Ba 233.527†	846986.6	5826.79	0.69%	[5000]	ug/L
Be 234.861†	2041278.9	6898.44	0.34%	[5000]	ug/L
Ca 315.887†	3125661.3	32686.17	1.05%	[250000]	ug/L
Cd 226.502†	95002.6	568.73	0.60%	[5000]	ug/L
Co 228.616†	181910.6	1229.09	0.68%	[5000]	ug/L
Cr 267.716†	257191.8	1806.82	0.70%	[5000]	ug/L
Cu 324.752†	2360896.3	15739.98	0.67%	[5000]	ug/L
Fe 259.939†	7560412.6	63403.54	0.84%	[400000]	ug/L
K 766.490†	1305892.5	15820.93	1.21%	[250000]	ug/L
Mg 279.077†	3616822.5	24829.17	0.69%	[250000]	ug/L
Mn 257.610†	3549648.2	17023.13	0.48%	[5000]	ug/L
Mo 202.031†	34247.9	399.66	1.17%	[5000]	ug/L
Na 589.592†	3168885.2	32621.26	1.03%	[250000]	ug/L
Ni 231.604†	93383.0	183.70	0.20%	[5000]	ug/L
Pb 220.353†	17979.7	222.98	1.24%	[5000]	ug/L
Sb 206.836†	16158.4	184.02	1.14%	[5000]	ug/L
Se 196.026†	6202.6	61.67	0.99%	[5000]	ug/L
Sn 189.927†	9439.8	123.74	1.31%	[4000]	ug/L
Sr 421.552†	3555919.5	35507.61	1.00%	[4000]	ug/L
Ti 334.940†	3055563.2	14463.23	0.47%	[4000]	ug/L
Tl 190.801†	11658.1	193.27	1.66%	[5000]	ug/L
V 292.402†	372152.4	2307.81	0.62%	[5000]	ug/L
Zn 206.200†	116330.7	681.48	0.59%	[5000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Wt. Lin	-185.1	235.3	0.00000	0.999955	
Al 308.215	5	Wt. Lin	1.2	3.249	0.00000	0.999780	
As 188.979	4	Wt. Lin	0.3	2.034	0.00000	0.999944	
Ba 233.527	5	Wt. Lin	-14.4	177.3	0.00000	0.999614	
Be 234.861	5	Wt. Lin	-25.2	400.3	0.00000	0.999720	
Ca 315.887	5	Wt. Lin	184.1	12.53	0.00000	0.999987	
Cd 226.502	5	Wt. Lin	4.1	20.23	0.00000	0.999226	
Co 228.616	5	Wt. Lin	2.9	39.25	0.00000	0.998801	
Cr 267.716	4	Wt. Lin	18.5	53.32	0.00000	0.999634	
Cu 324.752	4	Wt. Lin	129.7	455.9	0.00000	0.999639	
Fe 259.939	5	Wt. Lin	66.6	20.30	0.00000	0.999046	
K 766.490	5	Wt. Lin	85.1	5.120	0.00000	0.998868	
Mg 279.077	5	Wt. Lin	38.5	15.01	0.00000	0.999634	
Mn 257.610	4	Wt. Lin	357.1	750.6	0.00000	0.999149	
Mo 202.031	4	Wt. Lin	3.6	6.938	0.00000	0.999749	
Na 589.592	5	Wt. Lin	-64.6	12.77	0.00000	0.999517	
Ni 231.604	4	Wt. Lin	9.4	20.06	0.00000	0.998606	
Pb 220.353	4	Wt. Lin	-3.2	3.754	0.00000	0.999434	
Sb 206.836	4	Wt. Lin	5.3	3.211	0.00000	0.999507	
Se 196.026	4	Wt. Lin	-5.8	1.223	0.00000	0.999893	
Sn 189.927	4	Wt. Lin	-0.1	2.489	0.00000	0.999186	
Sr 421.552	5	Wt. Lin	113.1	892.5	0.00000	0.999974	
Ti 334.940	5	Wt. Lin	9.8	769.3	0.00000	0.999931	
Tl 190.801	4	Wt. Lin	-6.4	2.482	0.00000	0.998837	
V 292.402	5	Wt. Lin	9.7	75.66	0.00000	0.999909	
Zn 206.200	4	Wt. Lin	18.9	25.09	0.00000	0.998251	

Sequence No.: 7
Sample ID: ICV
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 7/23/2010 9:54:57 AM
Data Type: Reprocessed on 7/23/2010 10:52:25 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	366179.7	94.2	%	0.08				0.08%
Sc 361.383	2632972.5	92.0	%	0.62				0.68%
Ag 328.068†	36189.7	156	ug/L	1.9	156	ug/L	1.9	1.23%
QC value within limits for Ag 328.068 Recovery = 97.40%								
Al 308.215†	129487.4	39800	ug/L	119.2	39800	ug/L	119.2	0.30%
QC value within limits for Al 308.215 Recovery = 99.57%								
As 188.979†	808.0	399	ug/L	4.7	399	ug/L	4.7	1.17%
QC value within limits for As 188.979 Recovery = 99.71%								
Ba 233.527†	211387.2	1190	ug/L	2.5	1190	ug/L	2.5	0.21%
QC value within limits for Ba 233.527 Recovery = 99.38%								
Be 234.861†	164500.8	411	ug/L	0.4	411	ug/L	0.4	0.09%
QC value within limits for Be 234.861 Recovery = 102.85%								
Ca 315.887†	514798.2	41100	ug/L	54.4	41100	ug/L	54.4	0.13%
QC value within limits for Ca 315.887 Recovery = 102.64%								
Cd 226.502†	8132.9	394	ug/L	5.1	394	ug/L	5.1	1.29%
QC value within limits for Cd 226.502 Recovery = 98.51%								
Co 228.616†	15267.2	387	ug/L	4.0	387	ug/L	4.0	1.04%
QC value within limits for Co 228.616 Recovery = 96.84%								
Cr 267.716†	20819.7	389	ug/L	4.6	389	ug/L	4.6	1.19%
QC value within limits for Cr 267.716 Recovery = 97.27%								
Cu 324.752†	176423.1	387	ug/L	2.1	387	ug/L	2.1	0.55%
QC value within limits for Cu 324.752 Recovery = 96.87%								
Fe 259.939†	816853.4	40200	ug/L	34.3	40200	ug/L	34.3	0.09%
QC value within limits for Fe 259.939 Recovery = 100.56%								
K 766.490†	204335.3	39900	ug/L	125.1	39900	ug/L	125.1	0.31%
QC value within limits for K 766.490 Recovery = 99.71%								
Mg 279.077†	618288.7	41200	ug/L	257.8	41200	ug/L	257.8	0.63%
QC value within limits for Mg 279.077 Recovery = 103.00%								
Mn 257.610†	302272.5	402	ug/L	1.5	402	ug/L	1.5	0.38%
QC value within limits for Mn 257.610 Recovery = 100.50%								
Mo 202.031†	2894.5	418	ug/L	4.4	418	ug/L	4.4	1.06%
QC value within limits for Mo 202.031 Recovery = 104.53%								
Na 589.592†	500420.5	39200	ug/L	111.6	39200	ug/L	111.6	0.28%
QC value within limits for Na 589.592 Recovery = 97.97%								
Ni 231.604†	7987.2	398	ug/L	3.8	398	ug/L	3.8	0.95%
QC value within limits for Ni 231.604 Recovery = 99.44%								
Pb 220.353†	1530.6	407	ug/L	5.5	407	ug/L	5.5	1.35%
QC value within limits for Pb 220.353 Recovery = 101.86%								
Sb 206.836†	1329.9	408	ug/L	3.6	408	ug/L	3.6	0.89%
QC value within limits for Sb 206.836 Recovery = 102.05%								
Se 196.026†	485.1	413	ug/L	2.3	413	ug/L	2.3	0.56%
QC value within limits for Se 196.026 Recovery = 103.13%								
Sn 189.927†	1073.3	431	ug/L	2.9	431	ug/L	2.9	0.67%
QC value within limits for Sn 189.927 Recovery = 107.63%								
Sr 421.552†	362169.9	405	ug/L	1.2	405	ug/L	1.2	0.28%
QC value within limits for Sr 421.552 Recovery = 101.13%								
Ti 334.940†	311333.0	404	ug/L	2.7	404	ug/L	2.7	0.68%
QC value within limits for Ti 334.940 Recovery = 101.05%								
Tl 190.801†	994.1	402	ug/L	3.0	402	ug/L	3.0	0.75%
QC value within limits for Tl 190.801 Recovery = 100.55%								
V 292.402†	30790.3	414	ug/L	4.1	414	ug/L	4.1	0.98%
QC value within limits for V 292.402 Recovery = 103.53%								
Zn 206.200†	10138.6	405	ug/L	4.4	405	ug/L	4.4	1.10%
QC value within limits for Zn 206.200 Recovery = 101.33%								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICB
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/23/2010 9:59:01 AM
Data Type: Reprocessed on 7/23/2010 10:52:27 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	374460.0	96.3	%	0.91				0.94%
Sc 361.383	2738632.6	95.7	%	0.36				0.38%
Ag 328.068†	25.1	0.894	ug/L	0.3896	0.894	ug/L	0.3896	43.59%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	90.9	27.5	ug/L	10.30	27.5	ug/L	10.30	37.39%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	5.8	2.71	ug/L	1.246	2.71	ug/L	1.246	45.96%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	52.2	0.375	ug/L	0.0703	0.375	ug/L	0.0703	18.71%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	49.4	0.186	ug/L	0.0317	0.186	ug/L	0.0317	17.00%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	358.8	13.9	ug/L	6.78	13.9	ug/L	6.78	48.63%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	4.3	0.006	ug/L	0.3546	0.006	ug/L	0.3546	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	8.4	0.139	ug/L	0.1213	0.139	ug/L	0.1213	87.27%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	19.6	0.020	ug/L	0.1128	0.020	ug/L	0.1128	557.96%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	656.9	1.16	ug/L	0.197	1.16	ug/L	0.197	17.02%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	667.2	29.6	ug/L	6.93	29.6	ug/L	6.93	23.41%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	178.9	18.3	ug/L	9.92	18.3	ug/L	9.92	54.14%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	275.2	15.8	ug/L	4.35	15.8	ug/L	4.35	27.52%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	82.1	-0.366	ug/L	0.0417	-0.366	ug/L	0.0417	11.39%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	17.8	2.04	ug/L	0.239	2.04	ug/L	0.239	11.75%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	336.9	31.4	ug/L	6.09	31.4	ug/L	6.09	19.38%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	2.0	-0.371	ug/L	0.5313	-0.371	ug/L	0.5313	143.34%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-5.3	-0.577	ug/L	2.8127	-0.577	ug/L	2.8127	487.20%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	15.2	3.08	ug/L	1.482	3.08	ug/L	1.482	48.03%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-7.0	-0.985	ug/L	3.0749	-0.985	ug/L	3.0749	312.15%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	1.8	0.768	ug/L	0.5727	0.768	ug/L	0.5727	74.57%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	357.9	0.273	ug/L	0.0461	0.273	ug/L	0.0461	16.85%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	233.4	0.290	ug/L	0.0378	0.290	ug/L	0.0378	13.03%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-4.0	0.992	ug/L	0.7895	0.992	ug/L	0.7895	79.62%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	21.5	0.173	ug/L	0.0960	0.173	ug/L	0.0960	55.45%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-1.9	-0.827	ug/L	0.1881	-0.827	ug/L	0.1881	22.73%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: AFCEE CRI
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 7/23/2010 10:04:04 AM
Data Type: Reprocessed on 7/23/2010 10:52:28 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: AFCEE CRI

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	371185.8	95.5	%	0.17				0.17%
Sc 361.383	2715308.5	94.9	%	1.12				1.18%
Ag 328.068†	2215.1	10.2	ug/L	0.13	10.2	ug/L	0.13	1.25%
QC value within limits for Ag 328.068 Recovery = 102.15%								
Al 308.215†	715.2	220	ug/L	3.8	220	ug/L	3.8	1.71%
QC value within limits for Al 308.215 Recovery = 109.90%								
As 188.979†	60.9	29.8	ug/L	1.39	29.8	ug/L	1.39	4.67%
QC value within limits for As 188.979 Recovery = 99.36%								
Ba 233.527†	1880.2	10.7	ug/L	0.14	10.7	ug/L	0.14	1.28%
QC value within limits for Ba 233.527 Recovery = 106.85%								
Be 234.861†	1604.9	4.07	ug/L	0.049	4.07	ug/L	0.049	1.19%
QC value within limits for Be 234.861 Recovery = 81.45%								
Ca 315.887†	13654.4	1070	ug/L	3.0	1070	ug/L	3.0	0.28%
QC value within limits for Ca 315.887 Recovery = 107.48%								
Cd 226.502†	117.9	5.62	ug/L	0.080	5.62	ug/L	0.080	1.43%
QC value within limits for Cd 226.502 Recovery = 112.31%								
Co 228.616†	418.4	10.6	ug/L	0.12	10.6	ug/L	0.12	1.18%
QC value within limits for Co 228.616 Recovery = 105.77%								
Cr 267.716†	548.4	9.93	ug/L	0.166	9.93	ug/L	0.166	1.67%
QC value within limits for Cr 267.716 Recovery = 99.29%								
Cu 324.752†	5242.5	11.2	ug/L	0.26	11.2	ug/L	0.26	2.34%
QC value within limits for Cu 324.752 Recovery = 112.06%								
Fe 259.939†	1265.7	58.7	ug/L	0.69	58.7	ug/L	0.69	1.17%
QC value within limits for Fe 259.939 Recovery = 117.38%								
K 766.490†	5563.8	1070	ug/L	4.2	1070	ug/L	4.2	0.39%
QC value within limits for K 766.490 Recovery = 106.99%								
Mg 279.077†	16793.9	1120	ug/L	6.8	1120	ug/L	6.8	0.61%
QC value within limits for Mg 279.077 Recovery = 111.57%								
Mn 257.610†	8361.6	10.6	ug/L	0.15	10.6	ug/L	0.15	1.40%
QC value within limits for Mn 257.610 Recovery = 106.26%								
Mo 202.031†	115.7	16.1	ug/L	0.91	16.1	ug/L	0.91	5.64%
QC value within limits for Mo 202.031 Recovery = 107.45%								
Na 589.592†	13803.0	1090	ug/L	9.1	1090	ug/L	9.1	0.84%
QC value within limits for Na 589.592 Recovery = 108.59%								
Ni 231.604†	449.2	21.9	ug/L	0.47	21.9	ug/L	0.47	2.15%
QC value within limits for Ni 231.604 Recovery = 109.65%								
Pb 220.353†	110.5	30.3	ug/L	1.23	30.3	ug/L	1.23	4.06%
QC value greater than the upper limit for Pb 220.353 Recovery = 121.09%								
Sb 206.836†	181.6	54.8	ug/L	1.35	54.8	ug/L	1.35	2.47%
QC value within limits for Sb 206.836 Recovery = 109.66%								
Se 196.026†	28.9	28.4	ug/L	3.85	28.4	ug/L	3.85	13.56%
QC value within limits for Se 196.026 Recovery = 94.75%								
Sn 189.927†	32.3	13.0	ug/L	1.09	13.0	ug/L	1.09	8.40%
QC value greater than the upper limit for Sn 189.927 Recovery = 130.20%								
Sr 421.552†	4923.4	5.38	ug/L	0.022	5.38	ug/L	0.022	0.40%
QC value within limits for Sr 421.552 Recovery = 107.63%								
Ti 334.940†	4079.6	5.28	ug/L	0.068	5.28	ug/L	0.068	1.30%
QC value within limits for Ti 334.940 Recovery = 105.54%								
Tl 190.801†	142.7	60.0	ug/L	0.83	60.0	ug/L	0.83	1.39%
QC value within limits for Tl 190.801 Recovery = 100.02%								
V 292.402†	832.2	11.0	ug/L	0.20	11.0	ug/L	0.20	1.81%
QC value within limits for V 292.402 Recovery = 109.82%								
Zn 206.200†	603.6	23.3	ug/L	0.26	23.3	ug/L	0.26	1.13%
QC value within limits for Zn 206.200 Recovery = 116.52%								

QC Failed. Continue with analysis.

Sequence No.: 10
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/23/2010 10:09:09 AM
Data Type: Reprocessed on 7/23/2010 10:52:29 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	357557.6	92.0	%	0.54				0.58%
Sc 361.383	2540103.0	88.7	%	0.51				0.57%
Ag 328.068†	-912.5	1.82	ug/L	0.072	1.82	ug/L	0.072	3.96%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	830024.0	255000	ug/L	3174.8	255000	ug/L	3174.8	1.24%
QC value within limits for Al 308.215 Recovery = 102.19%								
As 188.979†	-19.0	0.004	ug/L	4.7651	0.004	ug/L	4.7651	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-533.6	-1.38	ug/L	0.262	-1.38	ug/L	0.262	18.90%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-879.7	-0.012	ug/L	0.4050	-0.012	ug/L	0.4050	>999.9%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	3132167.6	250000	ug/L	2950.4	250000	ug/L	2950.4	1.18%
QC value within limits for Ca 315.887 Recovery = 100.01%								
Cd 226.502†	865.8	0.390	ug/L	0.5699	0.390	ug/L	0.5699	146.05%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	165.2	0.376	ug/L	0.1593	0.376	ug/L	0.1593	42.38%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	266.4	-0.849	ug/L	0.0332	-0.849	ug/L	0.0332	3.91%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-1369.4	0.952	ug/L	0.2360	0.952	ug/L	0.2360	24.79%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	4392246.2	216000	ug/L	2636.3	216000	ug/L	2636.3	1.22%
QC value within limits for Fe 259.939 Recovery = 96.17%								
K 766.490†	-154.7	-78.2	ug/L	22.93	-78.2	ug/L	22.93	29.33%
Mg 279.077†	3719558.4	248000	ug/L	2093.9	248000	ug/L	2093.9	0.84%
QC value within limits for Mg 279.077 Recovery = 99.17%								
Mn 257.610†	2316.0	0.496	ug/L	0.1192	0.496	ug/L	0.1192	24.03%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-72.3	1.72	ug/L	2.058	1.72	ug/L	2.058	119.78%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	259.4	25.4	ug/L	9.60	25.4	ug/L	9.60	37.83%
Ni 231.604†	62.4	2.64	ug/L	0.381	2.64	ug/L	0.381	14.40%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	13.9	-0.009	ug/L	2.5123	-0.009	ug/L	2.5123	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	10.2	-2.59	ug/L	1.860	-2.59	ug/L	1.860	71.73%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-74.0	3.82	ug/L	1.869	3.82	ug/L	1.869	48.96%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	22.2	2.29	ug/L	3.334	2.29	ug/L	3.334	145.48%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	5625.3	-0.299	ug/L	0.1294	-0.299	ug/L	0.1294	43.32%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	836.2	-1.90	ug/L	0.077	-1.90	ug/L	0.077	4.06%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-23.9	-0.835	ug/L	4.8302	-0.835	ug/L	4.8302	578.14%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-2078.7	-2.98	ug/L	0.597	-2.98	ug/L	0.597	20.04%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-166.0	3.69	ug/L	0.023	3.69	ug/L	0.023	0.63%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/23/2010 10:13:16 AM
Data Type: Reprocessed on 7/23/2010 10:52:30 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	357323.0	91.9	%	0.40				0.44%
Sc 361.383	2535601.0	88.6	%	0.46				0.52%
Ag 328.068†	46261.6	203	ug/L	1.4	203	ug/L	1.4	0.70%
QC value within limits for Ag 328.068 Recovery = 101.38%								
Al 308.215†	836615.3	257000	ug/L	2749.0	257000	ug/L	2749.0	1.07%
QC value within limits for Al 308.215 Recovery = 103.00%								
As 188.979†	167.7	91.8	ug/L	5.69	91.8	ug/L	5.69	6.19%
QC value within limits for As 188.979 Recovery = 91.80%								
Ba 233.527†	86594.5	490	ug/L	1.3	490	ug/L	1.3	0.27%
QC value within limits for Ba 233.527 Recovery = 98.00%								
Be 234.861†	210568.6	528	ug/L	5.1	528	ug/L	5.1	0.96%
QC value within limits for Be 234.861 Recovery = 105.64%								
Ca 315.887†	3140643.7	251000	ug/L	1716.3	251000	ug/L	1716.3	0.68%
QC value within limits for Ca 315.887 Recovery = 100.27%								
Cd 226.502†	20184.0	956	ug/L	7.4	956	ug/L	7.4	0.77%
QC value within limits for Cd 226.502 Recovery = 95.57%								
Co 228.616†	18541.4	468	ug/L	2.7	468	ug/L	2.7	0.58%
QC value within limits for Co 228.616 Recovery = 93.51%								
Cr 267.716†	25745.3	477	ug/L	3.0	477	ug/L	3.0	0.62%
QC value within limits for Cr 267.716 Recovery = 95.40%								
Cu 324.752†	241799.6	534	ug/L	3.9	534	ug/L	3.9	0.74%
QC value within limits for Cu 324.752 Recovery = 106.85%								
Fe 259.939†	4372902.1	215000	ug/L	1591.2	215000	ug/L	1591.2	0.74%
QC value within limits for Fe 259.939 Recovery = 95.74%								
K 766.490†	-109.1	-69.2	ug/L	16.07	-69.2	ug/L	16.07	23.21%
Mg 279.077†	3714387.5	248000	ug/L	2021.4	248000	ug/L	2021.4	0.82%
QC value within limits for Mg 279.077 Recovery = 99.02%								
Mn 257.610†	368589.8	488	ug/L	4.2	488	ug/L	4.2	0.86%
QC value within limits for Mn 257.610 Recovery = 97.69%								
Mo 202.031†	3497.4	514	ug/L	2.0	514	ug/L	2.0	0.38%
QC value within limits for Mo 202.031 Recovery = 102.80%								
Na 589.592†	106.8	13.4	ug/L	3.63	13.4	ug/L	3.63	27.04%
Ni 231.604†	19229.8	958	ug/L	6.3	958	ug/L	6.3	0.65%
QC value within limits for Ni 231.604 Recovery = 95.83%								
Pb 220.353†	192.1	47.6	ug/L	1.81	47.6	ug/L	1.81	3.81%
QC value within limits for Pb 220.353 Recovery = 95.18%								
Sb 206.836†	1995.1	611	ug/L	6.8	611	ug/L	6.8	1.11%
QC value within limits for Sb 206.836 Recovery = 101.88%								
Se 196.026†	-19.8	47.8	ug/L	15.50	47.8	ug/L	15.50	32.41%
QC value within limits for Se 196.026 Recovery = 95.66%								
Sn 189.927†	1323.1	526	ug/L	1.4	526	ug/L	1.4	0.27%
QC value within limits for Sn 189.927 Recovery = 105.16%								
Sr 421.552†	454330.8	502	ug/L	6.2	502	ug/L	6.2	1.24%
QC value within limits for Sr 421.552 Recovery = 100.50%								
Ti 334.940†	390914.3	505	ug/L	2.9	505	ug/L	2.9	0.57%
QC value within limits for Ti 334.940 Recovery = 101.03%								
Tl 190.801†	233.9	101	ug/L	4.9	101	ug/L	4.9	4.88%
QC value within limits for Tl 190.801 Recovery = 100.66%								
V 292.402†	36981.8	517	ug/L	3.8	517	ug/L	3.8	0.73%
QC value within limits for V 292.402 Recovery = 103.30%								
Zn 206.200†	23753.8	957	ug/L	6.5	957	ug/L	6.5	0.68%
QC value within limits for Zn 206.200 Recovery = 95.68%								

All analyte(s) passed QC.

Sequence No.: 12
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/23/2010 10:17:25 AM
Data Type: Reprocessed on 7/23/2010 10:52:31 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	372351.2	95.8	%	0.32				0.34%
Sc 361.383	2670396.5	93.3	%	0.49				0.53%
Ag 328.068†	117378.6	501	ug/L	7.8	501	ug/L	7.8	1.56%
QC value within limits for Ag 328.068 Recovery = 100.17%								
Al 308.215†	80611.6	24800	ug/L	165.2	24800	ug/L	165.2	0.67%
QC value within limits for Al 308.215 Recovery = 99.22%								
As 188.979†	1025.2	506	ug/L	3.6	506	ug/L	3.6	0.72%
QC value within limits for As 188.979 Recovery = 101.10%								
Ba 233.527†	88385.4	499	ug/L	5.8	499	ug/L	5.8	1.17%
QC value within limits for Ba 233.527 Recovery = 99.77%								
Be 234.861†	200212.7	501	ug/L	2.2	501	ug/L	2.2	0.44%
QC value within limits for Be 234.861 Recovery = 100.12%								
Ca 315.887†	314201.2	25000	ug/L	19.4	25000	ug/L	19.4	0.08%
QC value within limits for Ca 315.887 Recovery = 100.14%								
Cd 226.502†	10217.7	497	ug/L	9.2	497	ug/L	9.2	1.85%
QC value within limits for Cd 226.502 Recovery = 99.41%								
Co 228.616†	19474.7	495	ug/L	5.0	495	ug/L	5.0	1.01%
QC value within limits for Co 228.616 Recovery = 98.92%								
Cr 267.716†	26965.4	504	ug/L	5.8	504	ug/L	5.8	1.15%
QC value within limits for Cr 267.716 Recovery = 100.88%								
Cu 324.752†	219190.5	481	ug/L	4.8	481	ug/L	4.8	0.99%
QC value within limits for Cu 324.752 Recovery = 96.29%								
Fe 259.939†	822710.3	40500	ug/L	87.8	40500	ug/L	87.8	0.22%
QC value within limits for Fe 259.939 Recovery = 101.30%								
K 766.490†	121997.4	23800	ug/L	142.1	23800	ug/L	142.1	0.60%
QC value within limits for K 766.490 Recovery = 95.23%								
Mg 279.077†	378265.3	25200	ug/L	121.4	25200	ug/L	121.4	0.48%
QC value within limits for Mg 279.077 Recovery = 100.84%								
Mn 257.610†	375253.7	500	ug/L	4.0	500	ug/L	4.0	0.80%
QC value within limits for Mn 257.610 Recovery = 99.96%								
Mo 202.031†	3547.9	512	ug/L	3.4	512	ug/L	3.4	0.66%
QC value within limits for Mo 202.031 Recovery = 102.39%								
Na 589.592†	308534.6	24200	ug/L	169.0	24200	ug/L	169.0	0.70%
QC value within limits for Na 589.592 Recovery = 96.66%								
Ni 231.604†	10150.1	506	ug/L	6.3	506	ug/L	6.3	1.24%
QC value within limits for Ni 231.604 Recovery = 101.12%								
Pb 220.353†	1915.1	509	ug/L	3.7	509	ug/L	3.7	0.73%
QC value within limits for Pb 220.353 Recovery = 101.86%								
Sb 206.836†	1638.7	503	ug/L	5.1	503	ug/L	5.1	1.02%
QC value within limits for Sb 206.836 Recovery = 100.62%								
Se 196.026†	596.5	504	ug/L	8.1	504	ug/L	8.1	1.62%
QC value within limits for Se 196.026 Recovery = 100.75%								
Sn 189.927†	1003.0	402	ug/L	2.5	402	ug/L	2.5	0.62%
QC value within limits for Sn 189.927 Recovery = 100.52%								
Sr 421.552†	355180.3	397	ug/L	3.0	397	ug/L	3.0	0.75%
QC value within limits for Sr 421.552 Recovery = 99.19%								
Ti 334.940†	306881.4	399	ug/L	1.6	399	ug/L	1.6	0.39%
QC value within limits for Ti 334.940 Recovery = 99.65%								
Tl 190.801†	1262.6	509	ug/L	3.9	509	ug/L	3.9	0.78%
QC value within limits for Tl 190.801 Recovery = 101.90%								
V 292.402†	38000.5	510	ug/L	7.5	510	ug/L	7.5	1.47%
QC value within limits for V 292.402 Recovery = 102.01%								
Zn 206.200†	12612.7	504	ug/L	8.5	504	ug/L	8.5	1.68%
QC value within limits for Zn 206.200 Recovery = 100.79%								

All analyte(s) passed QC.

Sequence No.: 13
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/23/2010 10:21:33 AM
Data Type: Reprocessed on 7/23/2010 10:52:32 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	375812.1	96.6	%	0.76				0.78%
Sc 361.383	2717563.4	94.9	%	0.87				0.92%
Ag 328.068†	1.6	0.794	ug/L	0.2533	0.794	ug/L	0.2533	31.90%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	55.3	16.6	ug/L	2.23	16.6	ug/L	2.23	13.41%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	4.1	1.83	ug/L	3.048	1.83	ug/L	3.048	166.75%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-3.7	0.060	ug/L	0.0106	0.060	ug/L	0.0106	17.52%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	9.5	0.087	ug/L	0.0184	0.087	ug/L	0.0184	21.23%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	185.6	0.122	ug/L	2.8236	0.122	ug/L	2.8236	>999.9%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.7	-0.171	ug/L	0.2396	-0.171	ug/L	0.2396	140.39%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-5.2	-0.206	ug/L	0.1753	-0.206	ug/L	0.1753	85.22%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	13.2	-0.100	ug/L	0.1527	-0.100	ug/L	0.1527	151.97%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	649.4	1.14	ug/L	0.286	1.14	ug/L	0.286	25.05%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	436.6	18.2	ug/L	4.52	18.2	ug/L	4.52	24.79%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	62.6	-4.40	ug/L	10.190	-4.40	ug/L	10.190	231.66%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	135.9	6.52	ug/L	1.669	6.52	ug/L	1.669	25.61%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	26.8	-0.440	ug/L	0.0175	-0.440	ug/L	0.0175	3.98%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	6.8	0.450	ug/L	0.3162	0.450	ug/L	0.3162	70.27%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-39.1	2.00	ug/L	3.876	2.00	ug/L	3.876	193.43%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-0.6	-0.501	ug/L	0.3440	-0.501	ug/L	0.3440	68.71%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.7	1.02	ug/L	0.329	1.02	ug/L	0.329	32.41%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	8.9	1.12	ug/L	1.631	1.12	ug/L	1.631	145.27%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-5.0	0.659	ug/L	1.6205	0.659	ug/L	1.6205	245.88%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	2.5	1.07	ug/L	1.153	1.07	ug/L	1.153	107.61%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	216.8	0.116	ug/L	0.0329	0.116	ug/L	0.0329	28.46%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	82.9	0.095	ug/L	0.0775	0.095	ug/L	0.0775	81.65%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.1	2.14	ug/L	0.485	2.14	ug/L	0.485	22.71%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	37.7	0.376	ug/L	0.1485	0.376	ug/L	0.1485	39.54%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	3.4	-0.620	ug/L	0.1220	-0.620	ug/L	0.1220	19.68%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 66
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/23/2010 7:36:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	381592.0	98.1	%	0.66				0.68%
Sc 361.383	2721262.7	95.1	%	1.78				1.88%
Ag 328.068†	119125.2	508	ug/L	14.0	508	ug/L	14.0	2.76%
QC value within limits for Ag 328.068 Recovery = 101.66%								
Al 308.215†	80816.5	24900	ug/L	90.3	24900	ug/L	90.3	0.36%
QC value within limits for Al 308.215 Recovery = 99.47%								
As 188.979†	1056.0	521	ug/L	10.0	521	ug/L	10.0	1.92%
QC value within limits for As 188.979 Recovery = 104.13%								
Ba 233.527†	92866.6	524	ug/L	14.8	524	ug/L	14.8	2.81%
QC value within limits for Ba 233.527 Recovery = 104.82%								
Be 234.861†	205722.2	514	ug/L	5.6	514	ug/L	5.6	1.08%
QC value within limits for Be 234.861 Recovery = 102.87%								
Ca 315.887†	323971.9	25800	ug/L	199.6	25800	ug/L	199.6	0.77%
QC value within limits for Ca 315.887 Recovery = 103.26%								
Cd 226.502†	10753.9	523	ug/L	14.0	523	ug/L	14.0	2.67%
QC value within limits for Cd 226.502 Recovery = 104.69%								
Co 228.616†	20447.9	519	ug/L	14.1	519	ug/L	14.1	2.72%
QC value within limits for Co 228.616 Recovery = 103.87%								
Cr 267.716†	28188.2	527	ug/L	14.3	527	ug/L	14.3	2.72%
QC value within limits for Cr 267.716 Recovery = 105.47%								
Cu 324.752†	218597.3	480	ug/L	7.2	480	ug/L	7.2	1.50%
QC value within limits for Cu 324.752 Recovery = 96.03%								
Fe 259.939†	835366.9	41100	ug/L	230.5	41100	ug/L	230.5	0.56%
QC value within limits for Fe 259.939 Recovery = 102.86%								
K 766.490†	121596.1	23700	ug/L	67.9	23700	ug/L	67.9	0.29%
QC value within limits for K 766.490 Recovery = 94.91%								
Mg 279.077†	385688.5	25700	ug/L	380.4	25700	ug/L	380.4	1.48%
QC value within limits for Mg 279.077 Recovery = 102.82%								
Mn 257.610†	387499.8	516	ug/L	4.5	516	ug/L	4.5	0.87%
QC value within limits for Mn 257.610 Recovery = 103.23%								
Mo 202.031†	3660.0	528	ug/L	15.0	528	ug/L	15.0	2.85%
QC value within limits for Mo 202.031 Recovery = 105.62%								
Na 589.592†	310445.0	24300	ug/L	49.7	24300	ug/L	49.7	0.20%
QC value within limits for Na 589.592 Recovery = 97.26%								
Ni 231.604†	10642.1	530	ug/L	12.1	530	ug/L	12.1	2.28%
QC value within limits for Ni 231.604 Recovery = 106.03%								
Pb 220.353†	1981.9	527	ug/L	12.0	527	ug/L	12.0	2.27%
QC value within limits for Pb 220.353 Recovery = 105.41%								
Sb 206.836†	1670.2	513	ug/L	13.7	513	ug/L	13.7	2.68%
QC value within limits for Sb 206.836 Recovery = 102.53%								
Se 196.026†	608.2	514	ug/L	20.6	514	ug/L	20.6	4.01%
QC value within limits for Se 196.026 Recovery = 102.70%								
Sn 189.927†	1059.2	425	ug/L	10.6	425	ug/L	10.6	2.50%
QC value within limits for Sn 189.927 Recovery = 106.16%								
Sr 421.552†	360293.4	402	ug/L	1.3	402	ug/L	1.3	0.31%
QC value within limits for Sr 421.552 Recovery = 100.62%								
Ti 334.940†	314398.5	408	ug/L	4.0	408	ug/L	4.0	0.98%
QC value within limits for Ti 334.940 Recovery = 102.09%								
Tl 190.801†	1296.5	523	ug/L	9.6	523	ug/L	9.6	1.84%
QC value within limits for Tl 190.801 Recovery = 104.61%								
V 292.402†	39285.8	527	ug/L	15.0	527	ug/L	15.0	2.84%
QC value within limits for V 292.402 Recovery = 105.44%								
Zn 206.200†	13557.3	542	ug/L	14.0	542	ug/L	14.0	2.58%
QC value within limits for Zn 206.200 Recovery = 108.32%								

All analyte(s) passed QC.

Sequence No.: 67
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/23/2010 7:40:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	383410.1	98.6	%	0.34				0.34%
Sc 361.383	2843599.7	99.3	%	0.59				0.59%
Ag 328.068†	-34.5	0.640	ug/L	0.3126	0.640	ug/L	0.3126	48.81%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	68.7	20.8	ug/L	2.17	20.8	ug/L	2.17	10.44%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	2.2	0.894	ug/L	1.0534	0.894	ug/L	1.0534	117.84%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	11.6	0.147	ug/L	0.0906	0.147	ug/L	0.0906	61.75%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	33.7	0.147	ug/L	0.0263	0.147	ug/L	0.0263	17.84%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	263.9	6.37	ug/L	3.571	6.37	ug/L	3.571	56.08%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	3.2	-0.045	ug/L	0.3037	-0.045	ug/L	0.3037	668.75%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	1.0	-0.049	ug/L	0.3418	-0.049	ug/L	0.3418	703.75%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	14.9	-0.069	ug/L	0.1797	-0.069	ug/L	0.1797	260.90%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	56.9	-0.159	ug/L	0.2529	-0.159	ug/L	0.2529	158.83%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	466.3	19.7	ug/L	6.15	19.7	ug/L	6.15	31.20%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	19.0	-12.9	ug/L	2.81	-12.9	ug/L	2.81	21.73%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	166.5	8.55	ug/L	0.648	8.55	ug/L	0.648	7.57%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	51.3	-0.407	ug/L	0.0183	-0.407	ug/L	0.0183	4.50%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.8	-0.115	ug/L	0.6794	-0.115	ug/L	0.6794	590.46%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-84.7	-1.57	ug/L	3.052	-1.57	ug/L	3.052	194.21%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	5.3	-0.206	ug/L	0.1208	-0.206	ug/L	0.1208	58.58%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.4	0.207	ug/L	1.7331	0.207	ug/L	1.7331	838.58%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	7.4	0.630	ug/L	3.1155	0.630	ug/L	3.1155	494.83%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-3.2	2.18	ug/L	1.341	2.18	ug/L	1.341	61.60%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.4	0.202	ug/L	0.8696	0.202	ug/L	0.8696	430.52%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	306.3	0.216	ug/L	0.0463	0.216	ug/L	0.0463	21.46%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	98.0	0.114	ug/L	0.1506	0.114	ug/L	0.1506	131.53%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	2.6	3.62	ug/L	1.664	3.62	ug/L	1.664	45.95%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	16.4	0.090	ug/L	0.0404	0.090	ug/L	0.0404	44.93%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	1.6	-0.689	ug/L	0.3022	-0.689	ug/L	0.3022	43.85%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 68
Sample ID: 350024603
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 75
Date Collected: 7/23/2010 7:45:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350024603

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	379619.3	97.6	%	1.22				1.25%
Sc 361.383	2767173.6	96.7	%	0.32				0.33%
Ag 328.068†	-133.1	0.429	ug/L	0.4661	0.429	ug/L	0.4661	108.69%
Al 308.215†	4383.6	1350	ug/L	8.9	1350	ug/L	8.9	0.66%
As 188.979†	11.8	5.74	ug/L	1.668	5.74	ug/L	1.668	29.06%
Ba 233.527†	2627.5	14.9	ug/L	0.02	14.9	ug/L	0.02	0.10%
Be 234.861†	7.6	0.108	ug/L	0.0296	0.108	ug/L	0.0296	27.25%
Ca 315.887†	379708.0	30300	ug/L	61.2	30300	ug/L	61.2	0.20%
Cd 226.502†	18.2	0.164	ug/L	0.1244	0.164	ug/L	0.1244	75.62%
Co 228.616†	13.2	0.213	ug/L	0.1992	0.213	ug/L	0.1992	93.71%
Cr 267.716†	145.3	2.25	ug/L	0.252	2.25	ug/L	0.252	11.20%
Cu 324.752†	224.4	0.172	ug/L	0.2281	0.172	ug/L	0.2281	132.97%
Fe 259.939†	55355.5	2720	ug/L	32.3	2720	ug/L	32.3	1.19%
K 766.490†	8696.6	1680	ug/L	29.6	1680	ug/L	29.6	1.76%
Mg 279.077†	199893.0	13300	ug/L	197.0	13300	ug/L	197.0	1.48%
Mn 257.610†	15750.8	20.1	ug/L	0.23	20.1	ug/L	0.23	1.14%
Mo 202.031†	3.8	0.164	ug/L	0.9382	0.164	ug/L	0.9382	573.81%
Na 589.592†	399164.5	31300	ug/L	182.1	31300	ug/L	182.1	0.58%
Ni 231.604†	681.7	33.5	ug/L	0.61	33.5	ug/L	0.61	1.81%
Pb 220.353†	10.5	3.51	ug/L	1.069	3.51	ug/L	1.069	30.47%
Sb 206.836†	1.5	-1.28	ug/L	0.643	-1.28	ug/L	0.643	50.29%
Se 196.026†	-18.0	-8.70	ug/L	3.051	-8.70	ug/L	3.051	35.07%
Sn 189.927†	11.4	4.53	ug/L	1.365	4.53	ug/L	1.365	30.11%
Sr 421.552†	70243.0	78.3	ug/L	0.49	78.3	ug/L	0.49	0.63%
Ti 334.940†	942.7	1.01	ug/L	0.151	1.01	ug/L	0.151	14.97%
Tl 190.801†	-6.3	0.093	ug/L	1.7551	0.093	ug/L	1.7551	>999.9%
V 292.402†	1731.9	23.1	ug/L	0.13	23.1	ug/L	0.13	0.58%
Zn 206.200†	134.5	4.74	ug/L	0.594	4.74	ug/L	0.594	12.53%

Sequence No.: 69
Sample ID: 350024604
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 76
Date Collected: 7/23/2010 7:49:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350024604

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	387524.1	99.7	%	0.62				0.62%
Sc 361.383	2828465.6	98.8	%	0.60				0.61%
Ag 328.068†	-145.8	0.301	ug/L	0.1479	0.301	ug/L	0.1479	49.20%
Al 308.215†	2124.7	655	ug/L	21.2	655	ug/L	21.2	3.24%
As 188.979†	2.1	0.947	ug/L	2.6460	0.947	ug/L	2.6460	279.39%
Ba 233.527†	2289.6	13.0	ug/L	0.10	13.0	ug/L	0.10	0.78%
Be 234.861†	8.2	0.101	ug/L	0.0304	0.101	ug/L	0.0304	30.15%
Ca 315.887†	257037.9	20500	ug/L	116.7	20500	ug/L	116.7	0.57%
Cd 226.502†	14.2	0.151	ug/L	0.2207	0.151	ug/L	0.2207	146.29%
Co 228.616†	-2.9	-0.185	ug/L	0.0729	-0.185	ug/L	0.0729	39.35%
Cr 267.716†	131.7	2.04	ug/L	0.152	2.04	ug/L	0.152	7.45%
Cu 324.752†	-95.2	-0.514	ug/L	0.3178	-0.514	ug/L	0.3178	61.86%
Fe 259.939†	36283.6	1780	ug/L	23.8	1780	ug/L	23.8	1.33%
K 766.490†	5898.7	1130	ug/L	26.3	1130	ug/L	26.3	2.32%
Mg 279.077†	125374.4	8350	ug/L	120.3	8350	ug/L	120.3	1.44%
Mn 257.610†	8993.7	11.3	ug/L	0.11	11.3	ug/L	0.11	0.95%
Mo 202.031†	1.6	-0.177	ug/L	0.8314	-0.177	ug/L	0.8314	469.90%
Na 589.592†	208750.3	16400	ug/L	92.1	16400	ug/L	92.1	0.56%
Ni 231.604†	185.3	8.77	ug/L	0.268	8.77	ug/L	0.268	3.05%
Pb 220.353†	10.0	3.40	ug/L	0.435	3.40	ug/L	0.435	12.78%
Sb 206.836†	0.5	-1.59	ug/L	0.544	-1.59	ug/L	0.544	34.28%
Se 196.026†	-11.3	-3.69	ug/L	2.580	-3.69	ug/L	2.580	69.89%
Sn 189.927†	5.6	2.26	ug/L	1.074	2.26	ug/L	1.074	47.60%
Sr 421.552†	63234.9	70.6	ug/L	0.32	70.6	ug/L	0.32	0.45%
Ti 334.940†	2887.4	3.61	ug/L	0.335	3.61	ug/L	0.335	9.29%
Tl 190.801†	-0.9	2.25	ug/L	1.699	2.25	ug/L	1.699	75.53%
V 292.402†	687.1	9.15	ug/L	0.023	9.15	ug/L	0.023	0.25%
Zn 206.200†	119.1	4.08	ug/L	0.306	4.08	ug/L	0.306	7.50%

Sequence No.: 70
Sample ID: 350024605
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 7/23/2010 7:54:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350024605

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	360042.1	92.6	%	0.44				0.47%
Sc 361.383	2560036.4	89.4	%	1.03				1.16%
Ag 328.068†	-652.0	1.49	ug/L	0.479	1.49	ug/L	0.479	32.11%
Al 308.215†	18684.2	5800	ug/L	9.5	5800	ug/L	9.5	0.16%
As 188.979†	76.8	39.7	ug/L	2.02	39.7	ug/L	2.02	5.10%
Ba 233.527†	25772.1	146	ug/L	1.1	146	ug/L	1.1	0.77%
Be 234.861†	-283.6	-0.069	ug/L	0.2654	-0.069	ug/L	0.2654	385.75%
Ca 315.887†	5064163.7	404000	ug/L	2165.4	404000	ug/L	2165.4	0.54%
Cd 226.502†	256.9	1.03	ug/L	0.565	1.03	ug/L	0.565	54.88%
Co 228.616†	1255.2	30.9	ug/L	0.36	30.9	ug/L	0.36	1.15%
Cr 267.716†	1295.0	21.9	ug/L	0.09	21.9	ug/L	0.09	0.40%
Cu 324.752†	-52.2	-0.064	ug/L	0.3435	-0.064	ug/L	0.3435	537.85%
Fe 259.939†	1193374.7	58800	ug/L	290.2	58800	ug/L	290.2	0.49%
K 766.490†	24160.6	4680	ug/L	27.8	4680	ug/L	27.8	0.59%
Mg 279.077†	2406476.5	160000	ug/L	1662.4	160000	ug/L	1662.4	1.04%
Mn 257.610†	237624.2	312	ug/L	3.2	312	ug/L	3.2	1.04%
Mo 202.031†	421.5	62.8	ug/L	1.76	62.8	ug/L	1.76	2.79%
Na 589.592†	7182303.4	562000	ug/L	528.2	562000	ug/L	528.2	0.09%
Ni 231.604†	11584.3	577	ug/L	7.6	577	ug/L	7.6	1.31%
Pb 220.353†	35.7	6.69	ug/L	1.619	6.69	ug/L	1.619	24.18%
Sb 206.836†	-5.2	-4.75	ug/L	3.236	-4.75	ug/L	3.236	68.19%
Se 196.026†	-30.3	3.24	ug/L	6.036	3.24	ug/L	6.036	186.36%
Sn 189.927†	30.7	9.82	ug/L	1.814	9.82	ug/L	1.814	18.47%
Sr 421.552†	784482.6	875	ug/L	2.4	875	ug/L	2.4	0.28%
Ti 334.940†	759.7	-1.61	ug/L	0.069	-1.61	ug/L	0.069	4.29%
Tl 190.801†	-12.9	-2.88	ug/L	3.951	-2.88	ug/L	3.951	137.28%
V 292.402†	47740.3	638	ug/L	6.7	638	ug/L	6.7	1.05%
Zn 206.200†	5594.8	225	ug/L	2.5	225	ug/L	2.5	1.13%

Sequence No.: 71
Sample ID: 350024606
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 78
Date Collected: 7/23/2010 7:58:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350024606

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	356081.8	91.6	%	0.46				0.50%
Sc 361.383	2475980.5	86.5	%	0.63				0.72%
Ag 328.068†	-680.0	2.33	ug/L	0.344	2.33	ug/L	0.344	14.75%
Al 308.215†	41589.3	12800	ug/L	97.4	12800	ug/L	97.4	0.76%
As 188.979†	238.7	120	ug/L	0.9	120	ug/L	0.9	0.72%
Ba 233.527†	17107.9	97.1	ug/L	1.11	97.1	ug/L	1.11	1.15%
Be 234.861†	-119.3	0.483	ug/L	0.1717	0.483	ug/L	0.1717	35.56%
Ca 315.887†	5197711.0	415000	ug/L	1770.6	415000	ug/L	1770.6	0.43%
Cd 226.502†	325.9	1.62	ug/L	0.334	1.62	ug/L	0.334	20.54%
Co 228.616†	487.7	11.1	ug/L	0.34	11.1	ug/L	0.34	3.05%
Cr 267.716†	2723.6	48.4	ug/L	1.00	48.4	ug/L	1.00	2.06%
Cu 324.752†	-77.6	0.217	ug/L	0.1402	0.217	ug/L	0.1402	64.59%
Fe 259.939†	1486444.4	73200	ug/L	250.3	73200	ug/L	250.3	0.34%
K 766.490†	38294.9	7440	ug/L	69.8	7440	ug/L	69.8	0.94%
Mg 279.077†	2562957.6	171000	ug/L	299.8	171000	ug/L	299.8	0.18%
Mn 257.610†	382290.0	505	ug/L	2.3	505	ug/L	2.3	0.46%
Mo 202.031†	507.1	76.0	ug/L	1.82	76.0	ug/L	1.82	2.39%
Na 589.592†	Saturated2							
Ni 231.604†	11041.1	550	ug/L	4.3	550	ug/L	4.3	0.79%
Pb 220.353†	43.4	8.05	ug/L	4.359	8.05	ug/L	4.359	54.12%
Sb 206.836†	-5.3	-5.43	ug/L	2.844	-5.43	ug/L	2.844	52.42%
Se 196.026†	-31.7	6.17	ug/L	7.520	6.17	ug/L	7.520	121.91%
Sn 189.927†	30.1	9.02	ug/L	2.436	9.02	ug/L	2.436	27.01%
Sr 421.552†	897946.6	1000	ug/L	4.9	1000	ug/L	4.9	0.49%
Ti 334.940†	3125.2	1.33	ug/L	0.121	1.33	ug/L	0.121	9.07%
Tl 190.801†	-12.3	-3.25	ug/L	4.899	-3.25	ug/L	4.899	150.89%
V 292.402†	100060.0	1330	ug/L	11.6	1330	ug/L	11.6	0.87%
Zn 206.200†	8036.9	323	ug/L	3.6	323	ug/L	3.6	1.12%

Sequence No.: 72
Sample ID: 350024607
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 79
Date Collected: 7/23/2010 8:02:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350024607

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	369665.0	95.1	%	1.56				1.64%
Sc 361.383	2694976.9	94.1	%	1.15				1.22%
Ag 328.068†	-286.8	0.495	ug/L	0.1344	0.495	ug/L	0.1344	27.13%
Al 308.215†	12523.9	3870	ug/L	43.2	3870	ug/L	43.2	1.12%
As 188.979†	61.2	30.5	ug/L	0.61	30.5	ug/L	0.61	1.98%
Ba 233.527†	4539.0	25.8	ug/L	0.24	25.8	ug/L	0.24	0.93%
Be 234.861†	-12.7	0.186	ug/L	0.0980	0.186	ug/L	0.0980	52.69%
Ca 315.887†	1388439.0	111000	ug/L	2129.5	111000	ug/L	2129.5	1.92%
Cd 226.502†	77.4	0.546	ug/L	0.4229	0.546	ug/L	0.4229	77.45%
Co 228.616†	99.3	2.18	ug/L	0.115	2.18	ug/L	0.115	5.29%
Cr 267.716†	388.8	6.39	ug/L	0.172	6.39	ug/L	0.172	2.69%
Cu 324.752†	71.8	-0.056	ug/L	0.0438	-0.056	ug/L	0.0438	77.67%
Fe 259.939†	320500.9	15800	ug/L	80.0	15800	ug/L	80.0	0.51%
K 766.490†	12377.1	2390	ug/L	15.0	2390	ug/L	15.0	0.63%
Mg 279.077†	679280.3	45300	ug/L	1090.2	45300	ug/L	1090.2	2.41%
Mn 257.610†	63186.4	82.6	ug/L	0.95	82.6	ug/L	0.95	1.15%
Mo 202.031†	396.8	57.5	ug/L	0.15	57.5	ug/L	0.15	0.27%
Na 589.592†	2383277.1	187000	ug/L	4438.5	187000	ug/L	4438.5	2.38%
Ni 231.604†	2048.5	102	ug/L	1.5	102	ug/L	1.5	1.52%
Pb 220.353†	31.9	8.44	ug/L	1.225	8.44	ug/L	1.225	14.51%
Sb 206.836†	-5.3	-3.49	ug/L	2.358	-3.49	ug/L	2.358	67.56%
Se 196.026†	-22.8	-7.65	ug/L	7.454	-7.65	ug/L	7.454	97.49%
Sn 189.927†	16.9	6.18	ug/L	0.535	6.18	ug/L	0.535	8.66%
Sr 421.552†	263211.4	294	ug/L	7.2	294	ug/L	7.2	2.47%
Ti 334.940†	2224.0	2.16	ug/L	0.064	2.16	ug/L	0.064	2.95%
Tl 190.801†	-8.9	-1.08	ug/L	4.378	-1.08	ug/L	4.378	404.77%
V 292.402†	11539.1	155	ug/L	1.7	155	ug/L	1.7	1.12%
Zn 206.200†	1691.6	67.5	ug/L	0.67	67.5	ug/L	0.67	1.00%

Sequence No.: 73
Sample ID: 350024608
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 80
Date Collected: 7/23/2010 8:07:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350024608

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	376442.4	96.8	%	0.31				0.32%
Sc 361.383	2623329.5	91.6	%	5.52				6.02%
Ag 328.068†	-547.1	0.432	ug/L	0.3902	0.432	ug/L	0.3902	90.27%
Al 308.215†	329582.9	101000	ug/L	479.5	101000	ug/L	479.5	0.47%
As 188.979†	83.1	44.0	ug/L	5.49	44.0	ug/L	5.49	12.47%
Ba 233.527†	24458.3	139	ug/L	7.0	139	ug/L	7.0	5.03%
Be 234.861†	801.1	2.78	ug/L	0.166	2.78	ug/L	0.166	5.98%
Ca 315.887†	1431975.0	114000	ug/L	546.0	114000	ug/L	546.0	0.48%
Cd 226.502†	453.4	8.02	ug/L	1.299	8.02	ug/L	1.299	16.20%
Co 228.616†	2549.5	63.6	ug/L	3.36	63.6	ug/L	3.36	5.28%
Cr 267.716†	379.0	5.11	ug/L	0.525	5.11	ug/L	0.525	10.26%
Cu 324.752†	-576.2	0.205	ug/L	1.6172	0.205	ug/L	1.6172	790.36%
Fe 259.939†	1477422.0	72800	ug/L	559.8	72800	ug/L	559.8	0.77%
K 766.490†	22908.6	4450	ug/L	8.8	4450	ug/L	8.8	0.20%
Mg 279.077†	692869.3	46200	ug/L	1334.8	46200	ug/L	1334.8	2.89%
Mn 257.610†	65522.7	87.4	ug/L	4.80	87.4	ug/L	4.80	5.49%
Mo 202.031†	52.7	10.8	ug/L	0.93	10.8	ug/L	0.93	8.60%
Na 589.592†	5268646.7	413000	ug/L	2162.7	413000	ug/L	2162.7	0.52%
Ni 231.604†	3235.2	161	ug/L	8.7	161	ug/L	8.7	5.40%
Pb 220.353†	15.9	4.13	ug/L	2.205	4.13	ug/L	2.205	53.34%
Sb 206.836†	-3.3	-4.02	ug/L	2.742	-4.02	ug/L	2.742	68.22%
Se 196.026†	-33.9	-2.71	ug/L	10.809	-2.71	ug/L	10.809	398.56%
Sn 189.927†	21.2	6.50	ug/L	1.687	6.50	ug/L	1.687	25.94%
Sr 421.552†	390910.8	435	ug/L	2.1	435	ug/L	2.1	0.48%
Ti 334.940†	1109.9	0.690	ug/L	0.0781	0.690	ug/L	0.0781	11.31%
Tl 190.801†	-17.1	-2.45	ug/L	2.935	-2.45	ug/L	2.935	119.67%
V 292.402†	13620.7	188	ug/L	9.8	188	ug/L	9.8	5.19%
Zn 206.200†	14630.1	586	ug/L	28.3	586	ug/L	28.3	4.83%

Sequence No.: 74
Sample ID: 350024609
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 81
Date Collected: 7/23/2010 8:11:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350024609

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	379155.8	97.5	%	0.38				0.39%
Sc 361.383	2813428.6	98.3	%	0.34				0.35%
Ag 328.068†	-185.3	0.288	ug/L	0.4559	0.288	ug/L	0.4559	158.33%
Al 308.215†	13552.1	4170	ug/L	38.8	4170	ug/L	38.8	0.93%
As 188.979†	127.5	62.8	ug/L	1.55	62.8	ug/L	1.55	2.46%
Ba 233.527†	4716.5	26.7	ug/L	0.20	26.7	ug/L	0.20	0.76%
Be 234.861†	28.9	0.213	ug/L	0.0332	0.213	ug/L	0.0332	15.56%
Ca 315.887†	227394.0	18100	ug/L	35.5	18100	ug/L	35.5	0.20%
Cd 226.502†	47.1	0.574	ug/L	0.2190	0.574	ug/L	0.2190	38.12%
Co 228.616†	172.5	4.18	ug/L	0.027	4.18	ug/L	0.027	0.66%
Cr 267.716†	193.0	3.08	ug/L	0.165	3.08	ug/L	0.165	5.37%
Cu 324.752†	23.9	-0.056	ug/L	0.1703	-0.056	ug/L	0.1703	304.27%
Fe 259.939†	161668.3	7960	ug/L	10.7	7960	ug/L	10.7	0.13%
K 766.490†	10346.6	2000	ug/L	9.9	2000	ug/L	9.9	0.49%
Mg 279.077†	102487.4	6830	ug/L	48.1	6830	ug/L	48.1	0.70%
Mn 257.610†	12632.7	16.4	ug/L	0.05	16.4	ug/L	0.05	0.32%
Mo 202.031†	101.1	14.4	ug/L	0.14	14.4	ug/L	0.14	0.97%
Na 589.592†	425673.1	33300	ug/L	239.1	33300	ug/L	239.1	0.72%
Ni 231.604†	968.0	47.8	ug/L	0.36	47.8	ug/L	0.36	0.76%
Pb 220.353†	9.2	2.94	ug/L	1.861	2.94	ug/L	1.861	63.27%
Sb 206.836†	-1.8	-2.38	ug/L	1.895	-2.38	ug/L	1.895	79.60%
Se 196.026†	-11.7	-2.36	ug/L	2.403	-2.36	ug/L	2.403	101.62%
Sn 189.927†	8.4	3.12	ug/L	1.453	3.12	ug/L	1.453	46.55%
Sr 421.552†	99422.0	111	ug/L	0.4	111	ug/L	0.4	0.34%
Ti 334.940†	2085.4	2.59	ug/L	0.249	2.59	ug/L	0.249	9.64%
Tl 190.801†	-3.1	1.36	ug/L	1.532	1.36	ug/L	1.532	112.68%
V 292.402†	5279.0	70.6	ug/L	0.38	70.6	ug/L	0.38	0.54%
Zn 206.200†	1105.8	43.7	ug/L	0.26	43.7	ug/L	0.26	0.60%

Sequence No.: 75
Sample ID: 350024610
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 82
Date Collected: 7/23/2010 8:15:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350024610

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	383554.4	98.6	%	1.36				1.37%
Sc 361.383	2812399.9	98.2	%	0.30				0.31%
Ag 328.068†	-179.9	0.444	ug/L	0.1131	0.444	ug/L	0.1131	25.48%
Al 308.215†	9515.9	2930	ug/L	51.4	2930	ug/L	51.4	1.75%
As 188.979†	36.9	18.1	ug/L	1.70	18.1	ug/L	1.70	9.38%
Ba 233.527†	2460.2	14.0	ug/L	0.02	14.0	ug/L	0.02	0.16%
Be 234.861†	-10.7	0.075	ug/L	0.0684	0.075	ug/L	0.0684	90.91%
Ca 315.887†	321889.4	25700	ug/L	5.6	25700	ug/L	5.6	0.02%
Cd 226.502†	23.8	0.197	ug/L	0.1707	0.197	ug/L	0.1707	86.83%
Co 228.616†	71.1	1.67	ug/L	0.115	1.67	ug/L	0.115	6.90%
Cr 267.716†	167.5	2.67	ug/L	0.029	2.67	ug/L	0.029	1.09%
Cu 324.752†	-77.7	-0.410	ug/L	0.1075	-0.410	ug/L	0.1075	26.20%
Fe 259.939†	81073.2	3990	ug/L	73.4	3990	ug/L	73.4	1.84%
K 766.490†	8019.5	1550	ug/L	13.4	1550	ug/L	13.4	0.87%
Mg 279.077†	125648.0	8370	ug/L	127.4	8370	ug/L	127.4	1.52%
Mn 257.610†	18508.5	24.0	ug/L	0.08	24.0	ug/L	0.08	0.35%
Mo 202.031†	88.3	12.4	ug/L	0.45	12.4	ug/L	0.45	3.60%
Na 589.592†	381884.9	29900	ug/L	150.3	29900	ug/L	150.3	0.50%
Ni 231.604†	755.3	37.2	ug/L	0.29	37.2	ug/L	0.29	0.78%
Pb 220.353†	12.2	3.95	ug/L	1.558	3.95	ug/L	1.558	39.48%
Sb 206.836†	2.5	-0.961	ug/L	0.4070	-0.961	ug/L	0.4070	42.37%
Se 196.026†	-10.0	-1.90	ug/L	2.932	-1.90	ug/L	2.932	154.53%
Sn 189.927†	7.2	2.82	ug/L	0.874	2.82	ug/L	0.874	31.01%
Sr 421.552†	113114.1	126	ug/L	0.8	126	ug/L	0.8	0.63%
Ti 334.940†	1176.1	1.37	ug/L	0.126	1.37	ug/L	0.126	9.22%
Tl 190.801†	-5.6	0.050	ug/L	2.1232	0.050	ug/L	2.1232	>999.9%
V 292.402†	18706.8	248	ug/L	1.2	248	ug/L	1.2	0.47%
Zn 206.200†	754.9	29.5	ug/L	0.12	29.5	ug/L	0.12	0.40%

Sequence No.: 76
Sample ID: 41918MB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 83
Date Collected: 7/23/2010 8:19:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 41918MB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	378734.5	97.4	%	1.00				1.02%
Sc 361.383	2824106.9	98.7	%	0.28				0.28%
Ag 328.068†	-99.3	0.365	ug/L	0.1158	0.365	ug/L	0.1158	31.75%
Al 308.215†	37.8	11.3	ug/L	2.97	11.3	ug/L	2.97	26.34%
As 188.979†	-4.8	-2.51	ug/L	1.868	-2.51	ug/L	1.868	74.56%
Ba 233.527†	-4.6	0.055	ug/L	0.0342	0.055	ug/L	0.0342	61.89%
Be 234.861†	-10.2	0.037	ug/L	0.0055	0.037	ug/L	0.0055	14.70%
Ca 315.887†	195.9	0.945	ug/L	4.1578	0.945	ug/L	4.1578	439.87%
Cd 226.502†	2.2	-0.094	ug/L	0.1365	-0.094	ug/L	0.1365	145.26%
Co 228.616†	0.7	-0.055	ug/L	0.1558	-0.055	ug/L	0.1558	282.71%
Cr 267.716†	11.1	-0.140	ug/L	0.0859	-0.140	ug/L	0.0859	61.38%
Cu 324.752†	1.5	-0.281	ug/L	0.1888	-0.281	ug/L	0.1888	67.11%
Fe 259.939†	87.8	1.05	ug/L	0.722	1.05	ug/L	0.722	68.59%
K 766.490†	-45.2	-25.5	ug/L	8.53	-25.5	ug/L	8.53	33.49%
Mg 279.077†	72.3	2.26	ug/L	3.710	2.26	ug/L	3.710	164.19%
Mn 257.610†	120.5	-0.315	ug/L	0.0281	-0.315	ug/L	0.0281	8.90%
Mo 202.031†	-0.3	-0.572	ug/L	0.3884	-0.572	ug/L	0.3884	67.95%
Na 589.592†	446.3	40.0	ug/L	5.21	40.0	ug/L	5.21	13.03%
Ni 231.604†	7.1	-0.115	ug/L	0.1203	-0.115	ug/L	0.1203	105.04%
Pb 220.353†	-4.0	-0.223	ug/L	1.0713	-0.223	ug/L	1.0713	480.60%
Sb 206.836†	-0.4	-1.78	ug/L	1.380	-1.78	ug/L	1.380	77.36%
Se 196.026†	-6.1	-0.269	ug/L	3.3738	-0.269	ug/L	3.3738	>999.9%
Sn 189.927†	0.7	0.325	ug/L	0.6063	0.325	ug/L	0.6063	186.50%
Sr 421.552†	126.1	0.015	ug/L	0.0235	0.015	ug/L	0.0235	161.64%
Ti 334.940†	78.6	0.089	ug/L	0.0461	0.089	ug/L	0.0461	51.58%
Tl 190.801†	-4.8	0.667	ug/L	1.1264	0.667	ug/L	1.1264	168.80%
V 292.402†	8.4	-0.020	ug/L	0.1659	-0.020	ug/L	0.1659	820.51%
Zn 206.200†	41.2	0.887	ug/L	0.2142	0.887	ug/L	0.2142	24.14%

Sequence No.: 77
Sample ID: 41919LCS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 84
Date Collected: 7/23/2010 8:24:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 41919LCS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	375349.6	96.5	%	1.38				1.43%
Sc 361.383	2716146.7	94.9	%	0.20				0.21%
Ag 328.068†	44506.4	192	ug/L	0.9	192	ug/L	0.9	0.46%
Al 308.215†	159168.2	49000	ug/L	530.4	49000	ug/L	530.4	1.08%
As 188.979†	979.0	483	ug/L	2.1	483	ug/L	2.1	0.44%
Ba 233.527†	268857.8	1520	ug/L	4.2	1520	ug/L	4.2	0.28%
Be 234.861†	205272.0	513	ug/L	3.3	513	ug/L	3.3	0.63%
Ca 315.887†	650980.3	51900	ug/L	484.8	51900	ug/L	484.8	0.93%
Cd 226.502†	10423.4	505	ug/L	0.9	505	ug/L	0.9	0.18%
Co 228.616†	19639.0	498	ug/L	1.5	498	ug/L	1.5	0.31%
Cr 267.716†	26386.1	493	ug/L	1.4	493	ug/L	1.4	0.29%
Cu 324.752†	218937.4	481	ug/L	1.2	481	ug/L	1.2	0.26%
Fe 259.939†	1015616.8	50000	ug/L	411.1	50000	ug/L	411.1	0.82%
K 766.490†	248047.1	48400	ug/L	537.8	48400	ug/L	537.8	1.11%
Mg 279.077†	775689.7	51700	ug/L	889.9	51700	ug/L	889.9	1.72%
Mn 257.610†	376643.7	501	ug/L	3.8	501	ug/L	3.8	0.76%
Mo 202.031†	3627.9	524	ug/L	2.2	524	ug/L	2.2	0.42%
Na 589.592†	614573.2	48100	ug/L	522.2	48100	ug/L	522.2	1.09%
Ni 231.604†	10082.4	502	ug/L	0.8	502	ug/L	0.8	0.16%
Pb 220.353†	1946.1	518	ug/L	3.0	518	ug/L	3.0	0.57%
Sb 206.836†	1617.4	497	ug/L	3.5	497	ug/L	3.5	0.71%
Se 196.026†	591.1	502	ug/L	8.5	502	ug/L	8.5	1.69%
Sn 189.927†	1377.2	552	ug/L	1.2	552	ug/L	1.2	0.22%
Sr 421.552†	443488.3	495	ug/L	5.1	495	ug/L	5.1	1.03%
Ti 334.940†	390147.8	507	ug/L	1.2	507	ug/L	1.2	0.25%
Tl 190.801†	1252.9	506	ug/L	1.5	506	ug/L	1.5	0.30%
V 292.402†	38757.0	521	ug/L	1.8	521	ug/L	1.8	0.35%
Zn 206.200†	13216.3	528	ug/L	1.9	528	ug/L	1.9	0.36%

Sequence No.: 78
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/23/2010 8:29:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	373263.0	96.0	%	0.42				0.43%
Sc 361.383	2742769.7	95.8	%	0.13				0.14%
Ag 328.068†	118936.5	508	ug/L	2.1	508	ug/L	2.1	0.42%
QC value within limits for Ag 328.068 Recovery = 101.50%								
Al 308.215†	82279.0	25300	ug/L	82.9	25300	ug/L	82.9	0.33%
QC value within limits for Al 308.215 Recovery = 101.28%								
As 188.979†	1038.1	512	ug/L	1.2	512	ug/L	1.2	0.23%
QC value within limits for As 188.979 Recovery = 102.39%								
Ba 233.527†	92702.4	523	ug/L	0.6	523	ug/L	0.6	0.12%
QC value within limits for Ba 233.527 Recovery = 104.64%								
Be 234.861†	205596.5	514	ug/L	4.5	514	ug/L	4.5	0.87%
QC value within limits for Be 234.861 Recovery = 102.81%								
Ca 315.887†	331472.1	26400	ug/L	107.7	26400	ug/L	107.7	0.41%
QC value within limits for Ca 315.887 Recovery = 105.65%								
Cd 226.502†	10716.3	521	ug/L	1.2	521	ug/L	1.2	0.23%
QC value within limits for Cd 226.502 Recovery = 104.28%								
Co 228.616†	20383.3	518	ug/L	1.5	518	ug/L	1.5	0.28%
QC value within limits for Co 228.616 Recovery = 103.54%								
Cr 267.716†	28033.3	524	ug/L	2.5	524	ug/L	2.5	0.47%
QC value within limits for Cr 267.716 Recovery = 104.88%								
Cu 324.752†	218105.2	479	ug/L	2.2	479	ug/L	2.2	0.45%
QC value within limits for Cu 324.752 Recovery = 95.82%								
Fe 259.939†	853466.2	42000	ug/L	133.3	42000	ug/L	133.3	0.32%
QC value within limits for Fe 259.939 Recovery = 105.09%								
K 766.490†	123367.0	24100	ug/L	34.3	24100	ug/L	34.3	0.14%
QC value within limits for K 766.490 Recovery = 96.30%								
Mg 279.077†	398234.8	26500	ug/L	150.5	26500	ug/L	150.5	0.57%
QC value within limits for Mg 279.077 Recovery = 106.16%								
Mn 257.610†	389751.1	519	ug/L	3.1	519	ug/L	3.1	0.61%
QC value within limits for Mn 257.610 Recovery = 103.83%								
Mo 202.031†	3645.4	526	ug/L	2.3	526	ug/L	2.3	0.43%
QC value within limits for Mo 202.031 Recovery = 105.21%								
Na 589.592†	315833.1	24700	ug/L	45.5	24700	ug/L	45.5	0.18%
QC value within limits for Na 589.592 Recovery = 98.94%								
Ni 231.604†	10555.5	526	ug/L	2.9	526	ug/L	2.9	0.56%
QC value within limits for Ni 231.604 Recovery = 105.17%								
Pb 220.353†	1980.1	527	ug/L	1.3	527	ug/L	1.3	0.25%
QC value within limits for Pb 220.353 Recovery = 105.30%								
Sb 206.836†	1662.4	510	ug/L	3.0	510	ug/L	3.0	0.58%
QC value within limits for Sb 206.836 Recovery = 102.05%								
Se 196.026†	604.4	511	ug/L	2.7	511	ug/L	2.7	0.54%
QC value within limits for Se 196.026 Recovery = 102.13%								
Sn 189.927†	1042.6	418	ug/L	1.9	418	ug/L	1.9	0.45%
QC value within limits for Sn 189.927 Recovery = 104.49%								
Sr 421.552†	364963.7	408	ug/L	0.8	408	ug/L	0.8	0.20%
QC value within limits for Sr 421.552 Recovery = 101.92%								
Ti 334.940†	314456.8	408	ug/L	3.3	408	ug/L	3.3	0.81%
QC value within limits for Ti 334.940 Recovery = 102.11%								
Tl 190.801†	1297.9	524	ug/L	5.0	524	ug/L	5.0	0.96%
QC value within limits for Tl 190.801 Recovery = 104.72%								
V 292.402†	39135.8	525	ug/L	1.6	525	ug/L	1.6	0.31%
QC value within limits for V 292.402 Recovery = 105.07%								
Zn 206.200†	13536.6	541	ug/L	1.2	541	ug/L	1.2	0.21%
QC value within limits for Zn 206.200 Recovery = 108.16%								

All analyte(s) passed QC.

Sequence No.: 79
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/23/2010 8:33:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	381126.6	98.0	%	0.53				0.54%
Sc 361.383	2840243.0	99.2	%	0.98				0.99%
Ag 328.068†	-99.7	0.364	ug/L	0.2055	0.364	ug/L	0.2055	56.49%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	88.4	26.8	ug/L	6.80	26.8	ug/L	6.80	25.36%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	1.1	0.390	ug/L	2.1245	0.390	ug/L	2.1245	545.29%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	22.7	0.209	ug/L	0.0724	0.209	ug/L	0.0724	34.59%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	44.2	0.173	ug/L	0.0163	0.173	ug/L	0.0163	9.42%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	298.9	9.16	ug/L	4.799	9.16	ug/L	4.799	52.39%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	7.2	0.148	ug/L	0.2789	0.148	ug/L	0.2789	188.71%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	4.7	0.047	ug/L	0.0489	0.047	ug/L	0.0489	105.06%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	22.5	0.074	ug/L	0.1999	0.074	ug/L	0.1999	268.59%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	32.1	-0.214	ug/L	0.1788	-0.214	ug/L	0.1788	83.72%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	540.1	23.3	ug/L	6.95	23.3	ug/L	6.95	29.77%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	4.0	-15.8	ug/L	21.84	-15.8	ug/L	21.84	137.89%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	132.8	6.31	ug/L	2.038	6.31	ug/L	2.038	32.28%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	34.4	-0.429	ug/L	0.0657	-0.429	ug/L	0.0657	15.31%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	6.1	0.353	ug/L	0.9654	0.353	ug/L	0.9654	273.28%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	316.7	29.9	ug/L	4.06	29.9	ug/L	4.06	13.60%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	10.1	0.035	ug/L	0.4160	0.035	ug/L	0.4160	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.4	1.22	ug/L	2.240	1.22	ug/L	2.240	183.63%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.6	-0.226	ug/L	0.5815	-0.226	ug/L	0.5815	256.91%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-4.3	1.25	ug/L	1.995	1.25	ug/L	1.995	159.49%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	3.9	1.61	ug/L	1.085	1.61	ug/L	1.085	67.40%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	318.4	0.229	ug/L	0.0622	0.229	ug/L	0.0622	27.13%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	186.8	0.230	ug/L	0.0476	0.230	ug/L	0.0476	20.70%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.0	2.58	ug/L	2.908	2.58	ug/L	2.908	112.73%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	20.9	0.153	ug/L	0.1145	0.153	ug/L	0.1145	74.60%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	0.2	-0.745	ug/L	0.0875	-0.745	ug/L	0.0875	11.76%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 80
Sample ID: 41920LCSD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 85
Date Collected: 7/23/2010 8:38:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 41920LCSD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	381868.2	98.2	%	1.13				1.15%
Sc 361.383	2761339.6	96.5	%	1.15				1.19%
Ag 328.068†	43772.2	188	ug/L	2.8	188	ug/L	2.8	1.49%
Al 308.215†	155984.1	48000	ug/L	346.3	48000	ug/L	346.3	0.72%
As 188.979†	958.3	473	ug/L	5.1	473	ug/L	5.1	1.07%
Ba 233.527†	264760.6	1490	ug/L	27.5	1490	ug/L	27.5	1.84%
Be 234.861†	203418.2	509	ug/L	4.3	509	ug/L	4.3	0.85%
Ca 315.887†	633184.5	50500	ug/L	409.4	50500	ug/L	409.4	0.81%
Cd 226.502†	10258.8	497	ug/L	5.1	497	ug/L	5.1	1.02%
Co 228.616†	19329.3	491	ug/L	10.5	491	ug/L	10.5	2.15%
Cr 267.716†	26055.1	487	ug/L	9.2	487	ug/L	9.2	1.88%
Cu 324.752†	214883.9	472	ug/L	7.6	472	ug/L	7.6	1.62%
Fe 259.939†	989208.1	48700	ug/L	410.1	48700	ug/L	410.1	0.84%
K 766.490†	243696.6	47600	ug/L	352.5	47600	ug/L	352.5	0.74%
Mg 279.077†	764828.3	51000	ug/L	647.5	51000	ug/L	647.5	1.27%
Mn 257.610†	372270.6	495	ug/L	6.6	495	ug/L	6.6	1.34%
Mo 202.031†	3569.2	516	ug/L	5.2	516	ug/L	5.2	1.00%
Na 589.592†	604799.6	47400	ug/L	326.0	47400	ug/L	326.0	0.69%
Ni 231.604†	9940.8	495	ug/L	5.4	495	ug/L	5.4	1.09%
Pb 220.353†	1907.2	508	ug/L	6.4	508	ug/L	6.4	1.26%
Sb 206.836†	1590.9	488	ug/L	5.2	488	ug/L	5.2	1.06%
Se 196.026†	581.1	493	ug/L	3.7	493	ug/L	3.7	0.75%
Sn 189.927†	1353.8	543	ug/L	5.1	543	ug/L	5.1	0.93%
Sr 421.552†	436650.1	488	ug/L	3.3	488	ug/L	3.3	0.68%
Ti 334.940†	384126.7	499	ug/L	8.3	499	ug/L	8.3	1.67%
Tl 190.801†	1236.5	500	ug/L	3.8	500	ug/L	3.8	0.76%
V 292.402†	38251.8	514	ug/L	9.3	514	ug/L	9.3	1.80%
Zn 206.200†	13064.5	522	ug/L	9.2	522	ug/L	9.2	1.76%

Sequence No.: 81
Sample ID: 350023702
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 86
Date Collected: 7/23/2010 8:42:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350023702

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	374616.4	96.3	%	0.67				0.70%
Sc 361.383	2727161.9	95.3	%	0.59				0.62%
Ag 328.068†	-73.7	0.657	ug/L	0.2922	0.657	ug/L	0.2922	44.47%
Al 308.215†	294.6	91.2	ug/L	13.77	91.2	ug/L	13.77	15.10%
As 188.979†	9.6	4.56	ug/L	1.546	4.56	ug/L	1.546	33.93%
Ba 233.527†	16742.3	94.5	ug/L	0.67	94.5	ug/L	0.67	0.71%
Be 234.861†	3.3	0.072	ug/L	0.0192	0.072	ug/L	0.0192	26.78%
Ca 315.887†	486198.7	38800	ug/L	210.2	38800	ug/L	210.2	0.54%
Cd 226.502†	10.3	0.299	ug/L	0.1671	0.299	ug/L	0.1671	55.96%
Co 228.616†	-14.3	-0.442	ug/L	0.0413	-0.442	ug/L	0.0413	9.33%
Cr 267.716†	156.2	2.55	ug/L	0.104	2.55	ug/L	0.104	4.09%
Cu 324.752†	1339.9	2.60	ug/L	0.217	2.60	ug/L	0.217	8.34%
Fe 259.939†	1257.1	57.7	ug/L	9.93	57.7	ug/L	9.93	17.22%
K 766.490†	12272.2	2380	ug/L	13.6	2380	ug/L	13.6	0.57%
Mg 279.077†	93167.4	6200	ug/L	34.3	6200	ug/L	34.3	0.55%
Mn 257.610†	6069.8	7.39	ug/L	0.046	7.39	ug/L	0.046	0.62%
Mo 202.031†	46.5	6.21	ug/L	1.044	6.21	ug/L	1.044	16.80%
Na 589.592†	551756.8	43200	ug/L	131.0	43200	ug/L	131.0	0.30%
Ni 231.604†	19.1	0.484	ug/L	0.2657	0.484	ug/L	0.2657	54.89%
Pb 220.353†	19.5	6.03	ug/L	3.458	6.03	ug/L	3.458	57.31%
Sb 206.836†	3.0	-0.748	ug/L	1.6930	-0.748	ug/L	1.6930	226.42%
Se 196.026†	-15.1	-6.93	ug/L	6.448	-6.93	ug/L	6.448	93.02%
Sn 189.927†	12.0	4.88	ug/L	1.139	4.88	ug/L	1.139	23.33%
Sr 421.552†	224554.6	251	ug/L	0.5	251	ug/L	0.5	0.21%
Ti 334.940†	1133.7	1.30	ug/L	0.129	1.30	ug/L	0.129	9.93%
Tl 190.801†	-3.7	1.07	ug/L	0.794	1.07	ug/L	0.794	74.39%
V 292.402†	427.2	5.56	ug/L	0.263	5.56	ug/L	0.263	4.72%
Zn 206.200†	1639.8	64.6	ug/L	0.31	64.6	ug/L	0.31	0.48%

Sequence No.: 82
Sample ID: 350023702L
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 87
Date Collected: 7/23/2010 8:47:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350023702L

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	376400.8	96.8	%	1.02				1.06%
Sc 361.383	2809502.8	98.1	%	0.01				0.01%
Ag 328.068†	-45.8	0.630	ug/L	0.1787	3.15	ug/L	0.893	28.36%
Al 308.215†	60.3	18.4	ug/L	3.02	92.1	ug/L	15.12	16.42%
As 188.979†	5.2	2.42	ug/L	2.997	12.1	ug/L	14.99	124.10%
Ba 233.527†	3428.2	19.4	ug/L	0.15	97.1	ug/L	0.73	0.75%
Be 234.861†	-5.4	0.049	ug/L	0.0120	0.247	ug/L	0.0598	24.18%
Ca 315.887†	100958.3	8040	ug/L	37.5	40200	ug/L	187.5	0.47%
Cd 226.502†	3.9	-0.009	ug/L	0.1373	-0.044	ug/L	0.6867	>999.9%
Co 228.616†	-6.8	-0.247	ug/L	0.0815	-1.24	ug/L	0.407	32.93%
Cr 267.716†	38.9	0.374	ug/L	0.1315	1.87	ug/L	0.657	35.13%
Cu 324.752†	418.7	0.623	ug/L	0.1619	3.11	ug/L	0.809	26.00%
Fe 259.939†	236.0	8.15	ug/L	0.238	40.8	ug/L	1.19	2.92%
K 766.490†	2475.6	467	ug/L	15.0	2330	ug/L	75.1	3.22%
Mg 279.077†	19658.3	1310	ug/L	17.2	6530	ug/L	86.2	1.32%
Mn 257.610†	1189.4	1.06	ug/L	0.045	5.31	ug/L	0.226	4.25%
Mo 202.031†	7.5	0.564	ug/L	0.3976	2.82	ug/L	1.988	70.50%
Na 589.592†	117801.3	9230	ug/L	56.0	46100	ug/L	280.1	0.61%
Ni 231.604†	7.4	-0.102	ug/L	0.3669	-0.512	ug/L	1.8343	358.26%
Pb 220.353†	-1.2	0.512	ug/L	0.6591	2.56	ug/L	3.295	128.78%
Sb 206.836†	2.6	-0.851	ug/L	2.1217	-4.25	ug/L	10.609	249.34%
Se 196.026†	-5.1	0.738	ug/L	1.6506	3.69	ug/L	8.253	223.74%
Sn 189.927†	6.6	2.72	ug/L	0.385	13.6	ug/L	1.93	14.13%
Sr 421.552†	46453.7	51.9	ug/L	0.31	259	ug/L	1.5	0.59%
Ti 334.940†	219.2	0.238	ug/L	0.0547	1.19	ug/L	0.273	22.97%
Tl 190.801†	-1.2	2.11	ug/L	1.132	10.6	ug/L	5.66	53.59%
V 292.402†	91.0	1.08	ug/L	0.200	5.40	ug/L	1.001	18.55%
Zn 206.200†	401.0	15.2	ug/L	0.22	76.1	ug/L	1.08	1.42%

Sequence No.: 83
Sample ID: 350023703
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 88
Date Collected: 7/23/2010 8:52:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350023703

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	378223.6	97.3	%	0.39				0.40%
Sc 361.383	2755209.3	96.2	%	0.23				0.24%
Ag 328.068†	44061.6	190	ug/L	1.1	190	ug/L	1.1	0.59%
Al 308.215†	161114.1	49600	ug/L	120.8	49600	ug/L	120.8	0.24%
As 188.979†	985.0	486	ug/L	3.9	486	ug/L	3.9	0.80%
Ba 233.527†	281722.0	1590	ug/L	8.8	1590	ug/L	8.8	0.55%
Be 234.861†	204054.1	510	ug/L	2.5	510	ug/L	2.5	0.49%
Ca 315.887†	1127188.8	89900	ug/L	409.1	89900	ug/L	409.1	0.45%
Cd 226.502†	10247.2	497	ug/L	1.5	497	ug/L	1.5	0.31%
Co 228.616†	19209.4	487	ug/L	4.0	487	ug/L	4.0	0.83%
Cr 267.716†	26154.7	489	ug/L	2.0	489	ug/L	2.0	0.41%
Cu 324.752†	218067.0	479	ug/L	3.1	479	ug/L	3.1	0.66%
Fe 259.939†	1021604.7	50300	ug/L	276.5	50300	ug/L	276.5	0.55%
K 766.490†	263793.1	51500	ug/L	115.5	51500	ug/L	115.5	0.22%
Mg 279.077†	865942.5	57700	ug/L	403.5	57700	ug/L	403.5	0.70%
Mn 257.610†	382536.6	509	ug/L	2.5	509	ug/L	2.5	0.48%
Mo 202.031†	3666.3	530	ug/L	2.5	530	ug/L	2.5	0.47%
Na 589.592†	1165684.8	91300	ug/L	267.5	91300	ug/L	267.5	0.29%
Ni 231.604†	9955.5	496	ug/L	1.7	496	ug/L	1.7	0.35%
Pb 220.353†	1923.7	512	ug/L	2.4	512	ug/L	2.4	0.46%
Sb 206.836†	1631.0	501	ug/L	3.1	501	ug/L	3.1	0.61%
Se 196.026†	592.1	503	ug/L	7.2	503	ug/L	7.2	1.43%
Sn 189.927†	1369.1	549	ug/L	5.3	549	ug/L	5.3	0.97%
Sr 421.552†	669014.4	748	ug/L	2.2	748	ug/L	2.2	0.29%
Ti 334.940†	387232.3	503	ug/L	2.1	503	ug/L	2.1	0.41%
Tl 190.801†	1238.4	500	ug/L	2.8	500	ug/L	2.8	0.55%
V 292.402†	38750.9	521	ug/L	3.5	521	ug/L	3.5	0.66%
Zn 206.200†	14404.0	576	ug/L	1.1	576	ug/L	1.1	0.20%

Sequence No.: 84
Sample ID: 350023704
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 89
Date Collected: 7/23/2010 8:56:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350023704

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	376040.3	96.7	%	1.39				1.44%
Sc 361.383	2694060.5	94.1	%	0.76				0.81%
Ag 328.068†	44309.0	191	ug/L	1.4	191	ug/L	1.4	0.72%
Al 308.215†	158784.9	48800	ug/L	229.8	48800	ug/L	229.8	0.47%
As 188.979†	994.1	491	ug/L	3.2	491	ug/L	3.2	0.64%
Ba 233.527†	283133.6	1600	ug/L	16.4	1600	ug/L	16.4	1.02%
Be 234.861†	203542.1	509	ug/L	0.8	509	ug/L	0.8	0.15%
Ca 315.887†	1116744.3	89100	ug/L	636.9	89100	ug/L	636.9	0.71%
Cd 226.502†	10262.8	497	ug/L	4.8	497	ug/L	4.8	0.97%
Co 228.616†	19404.9	492	ug/L	2.6	492	ug/L	2.6	0.53%
Cr 267.716†	26332.1	492	ug/L	3.8	492	ug/L	3.8	0.78%
Cu 324.752†	220623.1	485	ug/L	3.3	485	ug/L	3.3	0.68%
Fe 259.939†	1013222.0	49900	ug/L	328.7	49900	ug/L	328.7	0.66%
K 766.490†	260889.5	50900	ug/L	63.2	50900	ug/L	63.2	0.12%
Mg 279.077†	848581.7	56500	ug/L	605.7	56500	ug/L	605.7	1.07%
Mn 257.610†	380972.3	507	ug/L	1.5	507	ug/L	1.5	0.29%
Mo 202.031†	3668.2	530	ug/L	7.2	530	ug/L	7.2	1.36%
Na 589.592†	1152702.3	90300	ug/L	110.2	90300	ug/L	110.2	0.12%
Ni 231.604†	9944.6	495	ug/L	4.4	495	ug/L	4.4	0.89%
Pb 220.353†	1930.6	514	ug/L	5.7	514	ug/L	5.7	1.11%
Sb 206.836†	1632.9	501	ug/L	8.8	501	ug/L	8.8	1.76%
Se 196.026†	590.5	502	ug/L	9.1	502	ug/L	9.1	1.81%
Sn 189.927†	1364.4	547	ug/L	5.4	547	ug/L	5.4	1.00%
Sr 421.552†	658051.7	735	ug/L	0.9	735	ug/L	0.9	0.12%
Ti 334.940†	390828.9	507	ug/L	3.6	507	ug/L	3.6	0.72%
Tl 190.801†	1237.3	500	ug/L	6.3	500	ug/L	6.3	1.27%
V 292.402†	39100.4	526	ug/L	5.5	526	ug/L	5.5	1.05%
Zn 206.200†	14345.2	573	ug/L	5.2	573	ug/L	5.2	0.90%

Sequence No.: 85
Sample ID: 350023702A
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 90
Date Collected: 7/23/2010 9:00:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350023702A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	369385.9	95.0	%	0.23				0.24%
Sc 361.383	2700208.9	94.3	%	0.65				0.69%
Ag 328.068†	44618.7	192	ug/L	0.8	192	ug/L	0.8	0.44%
Al 308.215†	164553.9	50600	ug/L	427.4	50600	ug/L	427.4	0.84%
As 188.979†	1004.2	496	ug/L	9.1	496	ug/L	9.1	1.84%
Ba 233.527†	287616.7	1620	ug/L	8.6	1620	ug/L	8.6	0.53%
Be 234.861†	212024.2	530	ug/L	1.1	530	ug/L	1.1	0.20%
Ca 315.887†	1117038.8	89100	ug/L	669.1	89100	ug/L	669.1	0.75%
Cd 226.502†	10564.4	512	ug/L	5.0	512	ug/L	5.0	0.98%
Co 228.616†	19768.3	502	ug/L	3.2	502	ug/L	3.2	0.64%
Cr 267.716†	26844.5	502	ug/L	2.7	502	ug/L	2.7	0.54%
Cu 324.752†	225271.1	495	ug/L	3.0	495	ug/L	3.0	0.61%
Fe 259.939†	1033731.6	50900	ug/L	368.1	50900	ug/L	368.1	0.72%
K 766.490†	268905.6	52500	ug/L	410.1	52500	ug/L	410.1	0.78%
Mg 279.077†	882584.0	58800	ug/L	283.2	58800	ug/L	283.2	0.48%
Mn 257.610†	393538.6	523	ug/L	1.0	523	ug/L	1.0	0.18%
Mo 202.031†	3786.1	547	ug/L	4.0	547	ug/L	4.0	0.74%
Na 589.592†	1160458.8	90900	ug/L	635.6	90900	ug/L	635.6	0.70%
Ni 231.604†	10276.7	512	ug/L	4.4	512	ug/L	4.4	0.86%
Pb 220.353†	1978.8	527	ug/L	2.8	527	ug/L	2.8	0.53%
Sb 206.836†	1661.7	510	ug/L	4.1	510	ug/L	4.1	0.81%
Se 196.026†	603.7	513	ug/L	5.0	513	ug/L	5.0	0.98%
Sn 189.927†	1412.1	566	ug/L	6.2	566	ug/L	6.2	1.09%
Sr 421.552†	675945.1	756	ug/L	5.8	756	ug/L	5.8	0.77%
Ti 334.940†	398903.2	518	ug/L	3.0	518	ug/L	3.0	0.58%
Tl 190.801†	1300.3	525	ug/L	8.5	525	ug/L	8.5	1.61%
V 292.402†	39883.2	536	ug/L	2.6	536	ug/L	2.6	0.49%
Zn 206.200†	14682.9	587	ug/L	4.6	587	ug/L	4.6	0.78%

Sequence No.: 86
Sample ID: 350023705
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 91
Date Collected: 7/23/2010 9:04:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350023705

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	388108.6	99.8	%	0.83				0.83%
Sc 361.383	2822601.9	98.6	%	0.42				0.43%
Ag 328.068†	-193.7	0.272	ug/L	0.3068	0.272	ug/L	0.3068	112.62%
Al 308.215†	103.2	27.1	ug/L	7.45	27.1	ug/L	7.45	27.45%
As 188.979†	10.5	5.01	ug/L	2.060	5.01	ug/L	2.060	41.11%
Ba 233.527†	33787.5	191	ug/L	2.2	191	ug/L	2.2	1.13%
Be 234.861†	18.2	0.109	ug/L	0.0163	0.109	ug/L	0.0163	14.98%
Ca 315.887†	839845.5	67000	ug/L	206.2	67000	ug/L	206.2	0.31%
Cd 226.502†	17.4	0.654	ug/L	0.4688	0.654	ug/L	0.4688	71.68%
Co 228.616†	-14.8	-0.450	ug/L	0.1238	-0.450	ug/L	0.1238	27.49%
Cr 267.716†	157.9	2.56	ug/L	0.171	2.56	ug/L	0.171	6.69%
Cu 324.752†	1797.2	3.57	ug/L	0.521	3.57	ug/L	0.521	14.57%
Fe 259.939†	652.6	27.4	ug/L	7.33	27.4	ug/L	7.33	26.79%
K 766.490†	18851.8	3660	ug/L	5.9	3660	ug/L	5.9	0.16%
Mg 279.077†	142536.0	9490	ug/L	40.5	9490	ug/L	40.5	0.43%
Mn 257.610†	29628.7	38.7	ug/L	0.40	38.7	ug/L	0.40	1.02%
Mo 202.031†	31.4	4.04	ug/L	0.522	4.04	ug/L	0.522	12.92%
Na 589.592†	374300.1	29300	ug/L	151.8	29300	ug/L	151.8	0.52%
Ni 231.604†	63.4	2.69	ug/L	0.094	2.69	ug/L	0.094	3.50%
Pb 220.353†	20.3	6.25	ug/L	1.418	6.25	ug/L	1.418	22.68%
Sb 206.836†	-7.9	-4.14	ug/L	1.190	-4.14	ug/L	1.190	28.73%
Se 196.026†	-6.1	0.964	ug/L	1.0617	0.964	ug/L	1.0617	110.08%
Sn 189.927†	15.1	6.12	ug/L	0.947	6.12	ug/L	0.947	15.49%
Sr 421.552†	390671.0	437	ug/L	2.7	437	ug/L	2.7	0.62%
Ti 334.940†	232.6	0.018	ug/L	0.0903	0.018	ug/L	0.0903	504.49%
Tl 190.801†	-5.0	0.578	ug/L	1.9219	0.578	ug/L	1.9219	332.61%
V 292.402†	188.5	2.39	ug/L	0.274	2.39	ug/L	0.274	11.46%
Zn 206.200†	1978.5	78.1	ug/L	0.65	78.1	ug/L	0.65	0.83%

Sequence No.: 87
Sample ID: 350023701
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 92
Date Collected: 7/23/2010 9:10:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350023701

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	377448.9	97.1	%	1.40				1.44%
Sc 361.383	2772342.0	96.8	%	0.18				0.19%
Ag 328.068†	-144.2	0.353	ug/L	0.2028	0.353	ug/L	0.2028	57.38%
Al 308.215†	143.5	44.7	ug/L	1.85	44.7	ug/L	1.85	4.15%
As 188.979†	7.1	3.32	ug/L	2.569	3.32	ug/L	2.569	77.36%
Ba 233.527†	16357.7	92.3	ug/L	1.24	92.3	ug/L	1.24	1.34%
Be 234.861†	-13.1	0.030	ug/L	0.0066	0.030	ug/L	0.0066	21.70%
Ca 315.887†	477766.5	38100	ug/L	370.0	38100	ug/L	370.0	0.97%
Cd 226.502†	9.9	0.283	ug/L	0.2005	0.283	ug/L	0.2005	70.83%
Co 228.616†	-9.5	-0.316	ug/L	0.1308	-0.316	ug/L	0.1308	41.37%
Cr 267.716†	154.6	2.52	ug/L	0.300	2.52	ug/L	0.300	11.93%
Cu 324.752†	1390.0	2.71	ug/L	0.038	2.71	ug/L	0.038	1.40%
Fe 259.939†	648.2	27.7	ug/L	0.26	27.7	ug/L	0.26	0.93%
K 766.490†	12165.9	2360	ug/L	14.8	2360	ug/L	14.8	0.63%
Mg 279.077†	91246.6	6070	ug/L	39.4	6070	ug/L	39.4	0.65%
Mn 257.610†	6383.4	7.81	ug/L	0.047	7.81	ug/L	0.047	0.60%
Mo 202.031†	39.9	5.26	ug/L	1.189	5.26	ug/L	1.189	22.61%
Na 589.592†	548967.4	43000	ug/L	255.8	43000	ug/L	255.8	0.59%
Ni 231.604†	9.9	0.024	ug/L	0.1650	0.024	ug/L	0.1650	688.51%
Pb 220.353†	15.7	5.04	ug/L	0.741	5.04	ug/L	0.741	14.70%
Sb 206.836†	7.0	0.510	ug/L	1.7204	0.510	ug/L	1.7204	337.14%
Se 196.026†	-14.5	-6.43	ug/L	2.398	-6.43	ug/L	2.398	37.30%
Sn 189.927†	11.2	4.55	ug/L	1.051	4.55	ug/L	1.051	23.08%
Sr 421.552†	221220.5	247	ug/L	1.1	247	ug/L	1.1	0.45%
Ti 334.940†	689.4	0.723	ug/L	0.0675	0.723	ug/L	0.0675	9.34%
Tl 190.801†	-1.1	2.12	ug/L	3.042	2.12	ug/L	3.042	143.19%
V 292.402†	414.6	5.39	ug/L	0.206	5.39	ug/L	0.206	3.82%
Zn 206.200†	1454.6	57.2	ug/L	0.06	57.2	ug/L	0.06	0.10%

Sequence No.: 88
Sample ID: 350024002
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 93
Date Collected: 7/23/2010 9:15:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350024002

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	378111.2	97.2	%	1.43				1.47%
Sc 361.383	2766883.4	96.7	%	0.63				0.65%
Ag 328.068†	-8.8	0.829	ug/L	0.4719	0.829	ug/L	0.4719	56.94%
Al 308.215†	58.6	37.9	ug/L	11.78	37.9	ug/L	11.78	31.11%
As 188.979†	0.2	-0.033	ug/L	3.7250	-0.033	ug/L	3.7250	>999.9%
Ba 233.527†	19454.8	110	ug/L	0.9	110	ug/L	0.9	0.84%
Be 234.861†	-28.7	0.006	ug/L	0.0278	0.006	ug/L	0.0278	442.68%
Ca 315.887†	144549.0	11500	ug/L	70.4	11500	ug/L	70.4	0.61%
Cd 226.502†	10.0	-0.006	ug/L	0.2733	-0.006	ug/L	0.2733	>999.9%
Co 228.616†	243.2	6.10	ug/L	0.064	6.10	ug/L	0.064	1.05%
Cr 267.716†	122.7	1.88	ug/L	0.178	1.88	ug/L	0.178	9.45%
Cu 324.752†	51.5	-0.192	ug/L	0.2021	-0.192	ug/L	0.2021	105.07%
Fe 259.939†	31348.1	1540	ug/L	13.7	1540	ug/L	13.7	0.89%
K 766.490†	10731.5	2080	ug/L	24.1	2080	ug/L	24.1	1.16%
Mg 279.077†	113810.1	7430	ug/L	52.8	7430	ug/L	52.8	0.71%
Mn 257.610†	3632613.6	4840	ug/L	12.2	4840	ug/L	12.2	0.25%
Mo 202.031†	-3.4	-0.913	ug/L	0.6420	-0.913	ug/L	0.6420	70.31%
Na 589.592†	126406.2	9900	ug/L	73.7	9900	ug/L	73.7	0.74%
Ni 231.604†	194.1	9.21	ug/L	0.361	9.21	ug/L	0.361	3.92%
Pb 220.353†	3.1	1.58	ug/L	0.407	1.58	ug/L	0.407	25.74%
Sb 206.836†	0.7	-1.51	ug/L	2.290	-1.51	ug/L	2.290	152.13%
Se 196.026†	-6.5	0.080	ug/L	2.8061	0.080	ug/L	2.8061	>999.9%
Sn 189.927†	2.2	0.880	ug/L	0.2641	0.880	ug/L	0.2641	30.00%
Sr 421.552†	77669.8	86.8	ug/L	0.51	86.8	ug/L	0.51	0.59%
Ti 334.940†	143.2	0.072	ug/L	0.0382	0.072	ug/L	0.0382	53.29%
Tl 190.801†	-0.2	2.50	ug/L	1.910	2.50	ug/L	1.910	76.26%
V 292.402†	-10.1	-0.092	ug/L	0.0708	-0.092	ug/L	0.0708	76.76%
Zn 206.200†	71.4	2.17	ug/L	0.185	2.17	ug/L	0.185	8.52%

Sequence No.: 89
Sample ID: 350024003
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 94
Date Collected: 7/23/2010 9:19:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350024003

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	378403.8	97.3	%	0.68				0.70%
Sc 361.383	2760538.3	96.4	%	0.66				0.68%
Ag 328.068†	456.6	4.27	ug/L	0.571	4.27	ug/L	0.571	13.37%
Al 308.215†	106.9	165	ug/L	17.2	165	ug/L	17.2	10.47%
As 188.979†	-0.9	1.65	ug/L	2.604	1.65	ug/L	2.604	157.62%
Ba 233.527†	34318.1	194	ug/L	1.7	194	ug/L	1.7	0.89%
Be 234.861†	-361.5	-0.188	ug/L	0.2434	-0.188	ug/L	0.2434	129.34%
Ca 315.887†	1055109.8	84200	ug/L	539.4	84200	ug/L	539.4	0.64%
Cd 226.502†	241.3	-1.24	ug/L	0.640	-1.24	ug/L	0.640	51.63%
Co 228.616†	924.4	22.3	ug/L	0.06	22.3	ug/L	0.06	0.26%
Cr 267.716†	642.3	10.3	ug/L	0.61	10.3	ug/L	0.61	5.91%
Cu 324.752†	-855.8	-0.449	ug/L	0.0721	-0.449	ug/L	0.0721	16.06%
Fe 259.939†	1349086.4	66500	ug/L	310.7	66500	ug/L	310.7	0.47%
K 766.490†	38334.3	7470	ug/L	21.0	7470	ug/L	21.0	0.28%
Mg 279.077†	441445.7	28600	ug/L	294.3	28600	ug/L	294.3	1.03%
Mn 257.610†	21598592.2	28800	ug/L	195.2	28800	ug/L	195.2	0.68%
Mo 202.031†	-0.8	3.00	ug/L	0.391	3.00	ug/L	0.391	13.02%
Na 589.592†	140896.7	11000	ug/L	39.2	11000	ug/L	39.2	0.36%
Ni 231.604†	83.1	3.67	ug/L	0.382	3.67	ug/L	0.382	10.39%
Pb 220.353†	36.1	6.08	ug/L	2.886	6.08	ug/L	2.886	47.48%
Sb 206.836†	-0.7	-3.67	ug/L	1.198	-3.67	ug/L	1.198	32.65%
Se 196.026†	-14.0	13.3	ug/L	2.84	13.3	ug/L	2.84	21.33%
Sn 189.927†	11.9	1.88	ug/L	1.707	1.88	ug/L	1.707	90.80%
Sr 421.552†	303393.3	338	ug/L	0.7	338	ug/L	0.7	0.21%
Ti 334.940†	285.1	-0.145	ug/L	0.0455	-0.145	ug/L	0.0455	31.42%
Tl 190.801†	25.3	13.5	ug/L	2.63	13.5	ug/L	2.63	19.45%
V 292.402†	-639.6	-1.00	ug/L	0.153	-1.00	ug/L	0.153	15.33%
Zn 206.200†	43.7	4.38	ug/L	0.650	4.38	ug/L	0.650	14.82%

Sequence No.: 90
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/23/2010 9:23:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	374025.2	96.2	%	0.85				0.89%
Sc 361.383	2726793.1	95.3	%	0.69				0.73%
Ag 328.068†	119848.8	511	ug/L	6.3	511	ug/L	6.3	1.23%
QC value within limits for Ag 328.068 Recovery = 102.28%								
Al 308.215†	83027.1	25500	ug/L	222.9	25500	ug/L	222.9	0.87%
QC value within limits for Al 308.215 Recovery = 102.20%								
As 188.979†	1055.6	521	ug/L	3.5	521	ug/L	3.5	0.68%
QC value within limits for As 188.979 Recovery = 104.10%								
Ba 233.527†	93305.1	527	ug/L	5.1	527	ug/L	5.1	0.96%
QC value within limits for Ba 233.527 Recovery = 105.32%								
Be 234.861†	206812.2	517	ug/L	1.0	517	ug/L	1.0	0.19%
QC value within limits for Be 234.861 Recovery = 103.42%								
Ca 315.887†	333218.7	26600	ug/L	315.0	26600	ug/L	315.0	1.19%
QC value within limits for Ca 315.887 Recovery = 106.21%								
Cd 226.502†	10809.7	526	ug/L	5.6	526	ug/L	5.6	1.06%
QC value within limits for Cd 226.502 Recovery = 105.19%								
Co 228.616†	20494.9	521	ug/L	4.7	521	ug/L	4.7	0.91%
QC value within limits for Co 228.616 Recovery = 104.11%								
Cr 267.716†	28295.3	529	ug/L	4.3	529	ug/L	4.3	0.81%
QC value within limits for Cr 267.716 Recovery = 105.86%								
Cu 324.752†	220430.9	484	ug/L	2.7	484	ug/L	2.7	0.56%
QC value within limits for Cu 324.752 Recovery = 96.84%								
Fe 259.939†	859426.2	42300	ug/L	434.7	42300	ug/L	434.7	1.03%
QC value within limits for Fe 259.939 Recovery = 105.82%								
K 766.490†	124691.1	24300	ug/L	192.3	24300	ug/L	192.3	0.79%
QC value within limits for K 766.490 Recovery = 97.33%								
Mg 279.077†	398821.0	26600	ug/L	33.6	26600	ug/L	33.6	0.13%
QC value within limits for Mg 279.077 Recovery = 106.32%								
Mn 257.610†	396995.8	529	ug/L	1.5	529	ug/L	1.5	0.29%
QC value within limits for Mn 257.610 Recovery = 105.76%								
Mo 202.031†	3676.6	531	ug/L	6.0	531	ug/L	6.0	1.13%
QC value within limits for Mo 202.031 Recovery = 106.11%								
Na 589.592†	319068.4	25000	ug/L	185.7	25000	ug/L	185.7	0.74%
QC value within limits for Na 589.592 Recovery = 99.96%								
Ni 231.604†	10619.7	529	ug/L	8.3	529	ug/L	8.3	1.56%
QC value within limits for Ni 231.604 Recovery = 105.81%								
Pb 220.353†	1990.8	529	ug/L	5.2	529	ug/L	5.2	0.98%
QC value within limits for Pb 220.353 Recovery = 105.87%								
Sb 206.836†	1671.9	513	ug/L	4.1	513	ug/L	4.1	0.80%
QC value within limits for Sb 206.836 Recovery = 102.63%								
Se 196.026†	611.7	517	ug/L	2.2	517	ug/L	2.2	0.42%
QC value within limits for Se 196.026 Recovery = 103.33%								
Sn 189.927†	1057.2	424	ug/L	2.8	424	ug/L	2.8	0.66%
QC value within limits for Sn 189.927 Recovery = 105.96%								
Sr 421.552†	369605.2	413	ug/L	3.2	413	ug/L	3.2	0.77%
QC value within limits for Sr 421.552 Recovery = 103.22%								
Ti 334.940†	317227.2	412	ug/L	2.6	412	ug/L	2.6	0.62%
QC value within limits for Ti 334.940 Recovery = 103.01%								
Tl 190.801†	1309.7	528	ug/L	1.4	528	ug/L	1.4	0.27%
QC value within limits for Tl 190.801 Recovery = 105.67%								
V 292.402†	39445.1	529	ug/L	4.7	529	ug/L	4.7	0.89%
QC value within limits for V 292.402 Recovery = 105.90%								
Zn 206.200†	13601.4	543	ug/L	4.1	543	ug/L	4.1	0.75%
QC value within limits for Zn 206.200 Recovery = 108.68%								

All analyte(s) passed QC.

Sequence No.: 91
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/23/2010 9:27:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	378586.8	97.4	%	0.21				0.21%
Sc 361.383	2813296.6	98.3	%	0.54				0.55%
Ag 328.068†	-47.0	0.588	ug/L	0.2824	0.588	ug/L	0.2824	48.05%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	70.8	21.4	ug/L	4.98	21.4	ug/L	4.98	23.29%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.5	-0.402	ug/L	2.7715	-0.402	ug/L	2.7715	688.97%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	15.4	0.168	ug/L	0.0287	0.168	ug/L	0.0287	17.07%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	35.2	0.151	ug/L	0.0056	0.151	ug/L	0.0056	3.68%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	302.1	9.42	ug/L	4.079	9.42	ug/L	4.079	43.30%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	7.1	0.145	ug/L	0.1617	0.145	ug/L	0.1617	111.32%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-0.9	-0.097	ug/L	0.0600	-0.097	ug/L	0.0600	61.83%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	10.7	-0.148	ug/L	0.2188	-0.148	ug/L	0.2188	148.03%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	117.2	-0.027	ug/L	0.0103	-0.027	ug/L	0.0103	38.52%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	532.3	22.9	ug/L	7.23	22.9	ug/L	7.23	31.52%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	67.1	-3.52	ug/L	15.413	-3.52	ug/L	15.413	438.17%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	152.2	7.59	ug/L	1.645	7.59	ug/L	1.645	21.68%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	421.7	0.087	ug/L	0.0578	0.087	ug/L	0.0578	66.70%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	10.2	0.953	ug/L	0.4783	0.953	ug/L	0.4783	50.18%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	146.6	16.5	ug/L	4.26	16.5	ug/L	4.26	25.74%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	7.6	-0.093	ug/L	0.1873	-0.093	ug/L	0.1873	202.00%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	2.4	1.47	ug/L	1.655	1.47	ug/L	1.655	112.37%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.1	-0.385	ug/L	0.4542	-0.385	ug/L	0.4542	118.00%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-10.4	-3.78	ug/L	1.185	-3.78	ug/L	1.185	31.37%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	2.1	0.897	ug/L	0.4350	0.897	ug/L	0.4350	48.48%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	315.6	0.226	ug/L	0.0737	0.226	ug/L	0.0737	32.57%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	142.3	0.172	ug/L	0.0298	0.172	ug/L	0.0298	17.33%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	2.2	3.47	ug/L	0.773	3.47	ug/L	0.773	22.25%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	26.7	0.234	ug/L	0.0860	0.234	ug/L	0.0860	36.80%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	1.2	-0.706	ug/L	0.1951	-0.706	ug/L	0.1951	27.64%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
33325	ICP_ICSA			8/13/2010	1000 ML	3/18/2010	llgates

225000 ug/L: Iron
250000 ug/L: Aluminum, Calcium, Magnesium

COMPOSED OF:

30302: 12.5 ML 33043: 50 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
33326	ICP_ICSAB			8/18/2010	1000 ML	3/18/2010	llgates

100 ug/L: Arsenic, Thallium
1000 ug/L: Cadmium, Nickel, Zinc
200 ug/L: Silver
225000 ug/L: Iron
250000 ug/L: Aluminum, Calcium, Magnesium
50 ug/L: Lead, Selenium
500 ug/L: Barium, Beryllium, Chromium, Cobalt, Copper, Manganese, Molybdenum, Strontium, Tin, Titanium, Vanadium
600 ug/L: Antimony

COMPOSED OF:

30655: 0.5 ML 31001: 10 ML 31393: 0.5 ML 33043: 50 ML 33327: 0.5 ML 33328: 0.5 ML 33360: 12.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34976	HCl	Fisher	4109050	7/12/2011	2.5 L	2/4/2010	llgates

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35041	ICP_MIN_SPK	CPI	10F021	6/16/2011	1000 ML	6/16/2010	llgates

10000 UG/L: Silver
25000 UG/L: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Tin, Titanium, Vanadiu
Zinc
250000 UG/L: Lithium
75000 UG/L: Barium

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35048	ICP_MAJ_SPK	CPI	09H116	6/16/2011	1000 ML	8/26/2009	llgates

2500000 UG/L: Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35660	ICP_ICV			3/30/2011	200 ML	7/19/2010	sstilley

1200 UG/L: Barium
160 UG/L: Silver
400 UG/L: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Tin, Titanium, Vanadium,
4000 UG/L: Lithium
40000 UG/L: Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium

COMPOSED OF:

35041: 3.2 ML 35048: 3.2 ML 35441: 193.6 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35727	HNO3	fisher	110020	2/1/2013	2.5 L	7/22/2010	Chemist

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35728	ICP_CAL1			9/30/2010	250 ML	7/22/2010	sstilley

0.4 UG/L: Strontium, Tin, Titanium
0.5 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
25 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
40 UG/L: Iron
5 UG/L: Lithium

COMPOSED OF:

35272: 249.975 ML 35732: 0.025 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35729	ICP_CAL2			9/30/2010	250 ML	7/22/2010	sstilley

250 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
4 UG/L: Strontium, Tin, Titanium
400 UG/L: Iron
5 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
50 UG/L: Lithium

COMPOSED OF:

35272: 249.75 ML 35732: 0.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35730	ICP_CAL3			9/30/2010	250 ML	7/22/2010	sstilley

2500 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
40 UG/L: Strontium, Tin, Titanium
4000 UG/L: Iron
50 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
500 UG/L: Lithium

COMPOSED OF:

35272: 247.5 ML 35732: 2.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35731	ICP_CAL4/CCV			9/30/2010	1000 ML	7/22/2010	sstilley

25000 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
400 UG/L: Strontium, Tin, Titanium
40000 UG/L: Iron
500 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
5000 UG/L: Lithium

COMPOSED OF:

35272: 900 ML 35732: 100 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35732	ICP_CAL5			9/30/2010	250 ML	7/22/2010	sstilley

250000 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
4000 UG/L: Strontium, Tin, Titanium
400000 UG/L: Iron
5000 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
50000 UG/L: Lithium

COMPOSED OF:

31481: 12.5 ML 32293: 50 ML 33043: 12.5 ML 35272: 175 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35733	ICP_CRDL_AF			9/3/2010	200 ML	7/22/2010	sstilley

10 UG/L: Barium, Chromium, Cobalt, Copper, Manganese, Silver, Tin, Vanadium
1000 UG/L: Calcium, Magnesium, Potassium, Sodium
15 UG/L: Molybdenum
20 UG/L: Nickel, Zinc
200 UG/L: Aluminum
25 UG/L: Lead
30 UG/L: Arsenic, Selenium
4 UG/L: Beryllium
5 UG/L: Cadmium, Strontium, Titanium
50 UG/L: Antimony, Iron
60 UG/L: Thallium

COMPOSED OF:

34331: 2 ML 35272: 198 ML

Raw Data Method 300.1

RUN LOG CHECK LIST

SDG: 3500237 **Method:** 300.1

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
STD859132 *	IICAL 1	IC06/15/10-1719~IC1061510CAL	300.1	IC1061510CAL	1	IC	06/15/10 15:30	1
STD859133 *	IICAL 2	IC06/15/10-1719~IC1061510CAL	300.1	IC1061510CAL	1	IC	06/15/10 15:48	1
STD859134 *	IICAL 3	IC06/15/10-1719~IC1061510CAL	300.1	IC1061510CAL	1	IC	06/15/10 16:06	1
STD859135 *	IICAL 4	IC06/15/10-1719~IC1061510CAL	300.1	IC1061510CAL	1	IC	06/15/10 16:24	1
STD859136 *	IICAL 5	IC06/15/10-1719~IC1061510CAL	300.1	IC1061510CAL	1	IC	06/15/10 16:43	1
STD859137 *	IICAL 6	IC06/15/10-1719~IC1061510CAL	300.1	IC1061510CAL	1	IC	06/15/10 17:01	1
STD859138 *	IICAL 7	IC06/15/10-1719~IC1061510CAL	300.1	IC1061510CAL	1	IC	06/15/10 17:19	1
ICV873239 *	072110ICV	IC06/15/10-1719~IC1061510CAL	300.1	IC1072110	1	IC	07/21/10 18:04	1
ICB873238 *	072110ICB	IC06/15/10-1719~IC1061510CAL	300.1	IC1072110	1	IC	07/21/10 18:23	1
072110MB	072110MB	IC06/15/10-1719~IC1061510CAL	300.1	IC1072110	1	IC	07/21/10 18:41	1
072110LCS	072110LCS	IC06/15/10-1719~IC1061510CAL	300.1	IC1072110	1	IC	07/21/10 18:59	1
072110LCSD	072110LCSD	IC06/15/10-1719~IC1061510CAL	300.1	IC1072110	1	IC	07/21/10 19:17	1
ST106-FD-10625-20	350023701	IC06/15/10-1719~IC1061510CAL	300.1	IC1072110	1	IC	07/21/10 19:36	1
ST106-GW-10625-2	350023702	IC06/15/10-1719~IC1061510CAL	300.1	IC1072110	1	IC	07/21/10 19:54	1
ST106-MS-10625-20	350023703MS	IC06/15/10-1719~IC1061510CAL	300.1	IC1072110	1	IC	07/21/10 20:12	1
ST106-MSD-10625-2	350023704SD	IC06/15/10-1719~IC1061510CAL	300.1	IC1072110	1	IC	07/21/10 20:30	1
ST106-GW-10626-2	350023705	IC06/15/10-1719~IC1061510CAL	300.1	IC1072110	1	IC	07/21/10 20:48	1
CCV873237 *	072110CCV1	IC06/15/10-1719~IC1061510CAL	300.1	IC1072110	1	IC	07/21/10 21:07	1
CCB873236 *	072110CCB1	IC06/15/10-1719~IC1061510CAL	300.1	IC1072110	1	IC	07/21/10 21:25	1
ICV873248 *	072210ICV	IC06/15/10-1719~IC1061510CAL	300.1	IC1072210A	1	IC	07/22/10 12:28	1
ICB873247 *	072210ICB	IC06/15/10-1719~IC1061510CAL	300.1	IC1072210A	1	IC	07/22/10 12:46	1
072210MB	072210MB	IC06/15/10-1719~IC1061510CAL	300.1	IC1072210A	1	IC	07/22/10 13:12	1
072210LCS	072210LCS	IC06/15/10-1719~IC1061510CAL	300.1	IC1072210A	1	IC	07/22/10 13:30	1
072210LCSD	072210LCSD	IC06/15/10-1719~IC1061510CAL	300.1	IC1072210A	1	IC	07/22/10 13:49	1
ST106-GW-10625-2	350023702RE1	IC06/15/10-1719~IC1061510CAL	300.1	IC1072210A	1	IC	07/22/10 15:20	1
CCV873245 *	072210CCV1	IC06/15/10-1719~IC1061510CAL	300.1	IC1072210A	1	IC	07/22/10 15:38	1
CCB873243 *	072210CCB1	IC06/15/10-1719~IC1061510CAL	300.1	IC1072210A	1	IC	07/22/10 15:56	1
ST106-MS-10625-20	350023703MSRE	IC06/15/10-1719~IC1061510CAL	300.1	IC1072210A	1	IC	07/22/10 16:15	1

* Sample IDs for calibration items are system generated

troberts 7/27/2010 1:09:33 PM

RUN LOG CHECK LIST

SDG: 3500237 **Method:** 300.1

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
ST106-MSD-10625-2	350023704SDRE	IC06/15/10-1719~IC1061510CAL	300.1	IC1072210A	1	IC	07/22/10 16:33	1
CCV873246 *	072210CCV2	IC06/15/10-1719~IC1061510CAL	300.1	IC1072210A	1	IC	07/22/10 16:51	1
CCB873244 *	072210CCB2	IC06/15/10-1719~IC1061510CAL	300.1	IC1072210A	1	IC	07/22/10 17:09	1

* Sample IDs for calibration items are system generated

troberts 7/27/2010 1:09:33 PM

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32663	300.1_STKA	HPS	1002005	1/21/2011	500 ML	1/27/2010	lkeene

1296 UG/ML: Phosphate-P
2000 UG/ML: Bromide, Chloride, Fluoride, Sulfate
250 UG/ML: Nitrate-N

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32664	300.1_STKB	HPS	1002007	11/21/2011	500 ML	1/27/2010	lkeene

250 UG/ML: Nitrite-N

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
33655	300.1_DCA_Surr	AccuStandard M-3	B9035121-1A	3/31/2012	100 MG/	4/8/2010	lkeene

0.5 MG/ML: Dichloroacetate - DCA

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
33947	300.1_Mix1_NSI	NSI Q-6391-1	041410	10/30/2011	250 MG/	4/23/2010	lkeene

1294 MG/L: Phosphate-P
2000 MG/L: Bromide, Chloride, Fluoride, Sulfate
250 MG/L: Nitrate-N

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
33957	300.1_Mix2_NSI	NSI Q-6391-1 (co	041410	4/30/2011	250 ML	4/23/2010	lkeene

250 MG/L: Nitrite-N

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IICAL 1.D
Lab Smp Id: IICAL 1 Client Smp ID: IICAL 1
Inj Date : 15-JUN-2010 15:30
Operator : PEL Inst ID: IC.i
Smp Info : IICAL 1
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 15:30 Cal File: IICAL 1.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
T 1 Fluoride	3.308	3.333	-0.025	54058	0.40000	0.28(M)
T 2 Chloride	4.641	4.625	0.016	28443	0.40000	0.42(M)
T 3 Nitrite as N	5.508	5.475	0.033	7917	0.05000	0.0029(M)
T 4 Sulfate	6.750	6.600	0.150	22444	0.40000	0.33(M)
T 5 Bromide	7.575	7.416	0.159	10843	0.40000	0.56(M)
T 6 Nitrate as N	8.808	8.583	0.225	7911	0.05000	0.086(M)
T 7 DCA	10.383	10.225	0.158	1456	0.10000	0.36(M)
T 8 Phosphate as P	12.425	11.175	1.250	15312	0.26000	0.44(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IICAL 2.D
Lab Smp Id: IICAL 2 Client Smp ID: IICAL 2
Inj Date : 15-JUN-2010 15:48
Operator : PEL Inst ID: IC.i
Smp Info : IICAL 2
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 15:48 Cal File: IICAL 2.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
T 1 Fluoride	3.308	3.333	-0.025	102826	0.80000	0.70(M)
T 2 Chloride	4.650	4.625	0.025	61473	0.80000	0.86(M)
T 3 Nitrite as N	5.508	5.475	0.033	15370	0.10000	0.050(M)
T 4 Sulfate	6.750	6.600	0.150	48399	0.80000	0.81(M)
T 5 Bromide	7.575	7.416	0.159	22397	0.80000	0.91(M)
T 6 Nitrate as N	8.808	8.583	0.225	15826	0.10000	0.13(M)
T 7 DCA	10.391	10.225	0.166	6678	0.50000	0.67(M)
T 8 Phosphate as P	12.416	11.175	1.241	31563	0.52000	0.66(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IICAL 3.D
Lab Smp Id: IICAL 3 Client Smp ID: IICAL 3
Inj Date : 15-JUN-2010 16:06
Operator : PEL Inst ID: IC.i
Smp Info : IICAL 3
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 16:06 Cal File: IICAL 3.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
T 1 Fluoride	3.308	3.333	-0.025	485711	4.00000	4.2(M)
T 2 Chloride	4.641	4.625	0.016	296001	4.00000	4.0(M)
T 3 Nitrite as N	5.508	5.475	0.033	79389	0.50000	0.45(M)
T 4 Sulfate	6.741	6.600	0.141	214762	4.00000	3.8(M)
T 5 Bromide	7.566	7.416	0.150	121914	4.00000	3.9(M)
T 6 Nitrate as N	8.791	8.583	0.208	84182	0.50000	0.50(M)
T 7 DCA	10.375	10.225	0.150	35207	2.50000	2.4(M)
T 8 Phosphate as P	12.275	11.175	1.100	173224	2.59000	2.6(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IICAL 4.D
Lab Smp Id: IICAL 4 Client Smp ID: IICAL 4
Inj Date : 15-JUN-2010 16:24
Operator : PEL Inst ID: IC.i
Smp Info : IICAL 4
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 16:24 Cal File: IICAL 4.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
T 1 Fluoride	3.308	3.333	-0.025	924558	8.00000	8.3(M)
T 2 Chloride	4.641	4.625	0.016	585103	8.00000	7.8(M)
T 3 Nitrite as N	5.500	5.475	0.025	162165	1.00000	0.98(M)
T 4 Sulfate	6.725	6.600	0.125	432545	8.00000	7.8(M)
T 5 Bromide	7.550	7.416	0.134	250877	8.00000	7.8(M)
T 6 Nitrate as N	8.766	8.583	0.183	171861	1.00000	0.97(M)
T 7 DCA	10.350	10.225	0.125	77339	5.00000	4.9(M)
T 8 Phosphate as P	12.141	11.175	0.966	356434	5.18000	5.0(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IICAL 5.D
Lab Smp Id: IICAL 5 Client Smp ID: IICAL 5
Inj Date : 15-JUN-2010 16:43
Operator : PEL Inst ID: IC.i
Smp Info : IICAL 5
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 16:43 Cal File: IICAL 5.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
T 1 Fluoride	3.316	3.333	-0.017	1744376	16.0000	15.8(M)
T 2 Chloride	4.641	4.625	0.016	1192485	16.0000	15.9(M)
T 3 Nitrite as N	5.500	5.475	0.025	340306	2.00000	2.1(M)
T 4 Sulfate	6.716	6.600	0.116	881234	16.0000	16.1(M)
T 5 Bromide	7.533	7.416	0.117	516363	16.0000	15.8(M)
T 6 Nitrate as N	8.741	8.583	0.158	358575	2.00000	2.0(M)
T 7 DCA	10.333	10.225	0.108	109085	7.00000	6.8(M)
T 8 Phosphate as P	11.958	11.175	0.783	741050	10.3700	10.2(M)

QC Flag Legend

M - Compound response manually integrated.

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IICAL 6.D
Lab Smp Id: IICAL 6 Client Smp ID: IICAL 6
Inj Date : 15-JUN-2010 17:01
Operator : PEL Inst ID: IC.i
Smp Info : IICAL 6
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:01 Cal File: IICAL 6.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
T 1 Fluoride	3.316	3.333	-0.017	3868560	40.0000	35.4(AM)
T 2 Chloride	4.633	4.625	0.008	3016004	40.0000	40.2(M)
T 3 Nitrite as N	5.491	5.475	0.016	825139	5.00000	5.2(AM)
T 4 Sulfate	6.658	6.600	0.058	2216560	40.0000	40.5(M)
T 5 Bromide	7.483	7.416	0.067	1320941	40.0000	40.2(M)
T 6 Nitrate as N	8.675	8.583	0.092	920814	5.00000	5.0(M)
T 7 DCA	10.291	10.225	0.066	157988	10.0000	9.7(M)
T 8 Phosphate as P	11.566	11.175	0.391	1895488	25.9200	25.8(M)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IICAL 7.D
Lab Smp Id: IICAL 7 Client Smp ID: IICAL 7
Inj Date : 15-JUN-2010 17:19
Operator : PEL Inst ID: IC.i
Smp Info : IICAL 7
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1061510CAL.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:01 Cal File: IICAL 6.D
Als bottle: 6 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
T 1 Fluoride	3.333	3.333	0.000	6755670	80.0000	62.0(AM)
T 2 Chloride	4.625	4.625	0.000	5988318	80.0000	79.9(M)
T 3 Nitrite as N	5.475	5.475	0.000	1573786	10.0000	9.9(AM)
T 4 Sulfate	6.600	6.600	0.000	4354095	80.0000	79.7(M)
T 5 Bromide	7.416	7.416	0.000	2634823	80.0000	79.9(M)
T 6 Nitrate as N	8.583	8.583	0.000	1855580	10.0000	10.0(AM)
T 7 DCA	10.225	10.225	0.000	252658	15.0000	15.3(AM)
T 8 Phosphate as P	11.175	11.175	0.000	3837518	51.8400	51.9(AM)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072110.b\072110ICV.D
Lab Smp Id: 072110ICV Client Smp ID: 072110ICV
Inj Date : 21-JUL-2010 18:04
Operator : PEL Inst ID: IC.i
Smp Info : 072110ICV
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072110.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.326	3.333	-0.007	490492	4.25591	4.2(R)
T 2 Chloride	4.607	4.625	-0.018	291774	3.92948	3.9(R)
T 3 Nitrite as N	5.421	5.475	-0.054	80408	0.46094	0.46(R)
T 4 Sulfate	6.500	6.600	-0.100	214180	3.84734	3.8(R)
T 5 Bromide	7.382	7.416	-0.034	121971	3.91948	3.9(R)
T 6 Nitrate as N	8.521	8.583	-0.062	82794	0.48806	0.49(R)
T 7 DCA	10.000	10.225	-0.225	77137	4.87323	4.9
T 8 Phosphate as P	11.213	11.175	0.038	171386	2.54877	2.5(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Tyoung\ee\chem\IC.i\IC1072110.b\072110ICV.D

Date : 21-JUL-2010 18:04

Client ID: 072110ICV

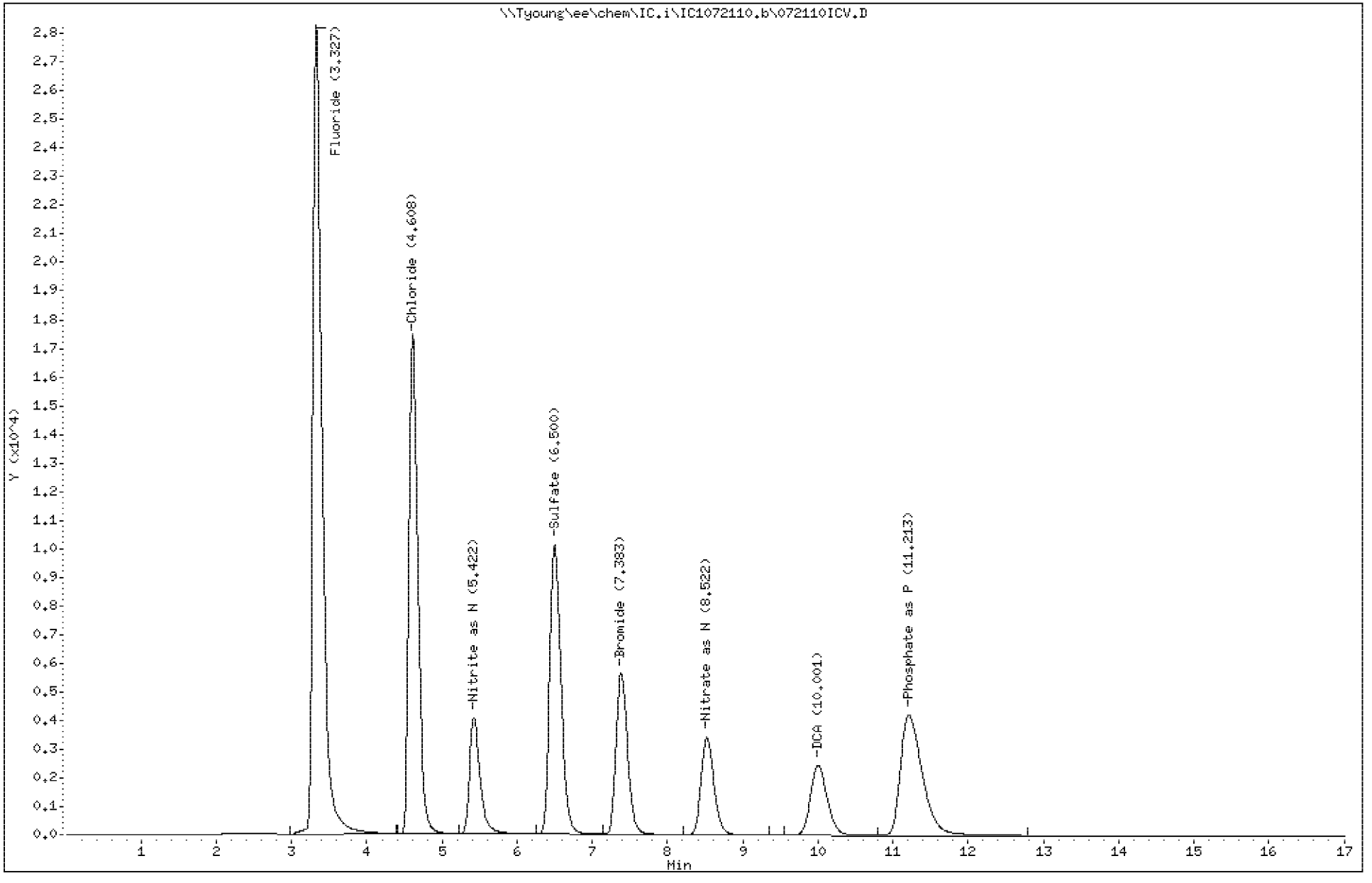
Instrument: IC.i

Sample Info: 072110ICV

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072110.b\072110ICB.D
Lab Smp Id: 072110ICB Client Smp ID: 072110ICB
Inj Date : 21-JUL-2010 18:23
Operator : PEL Inst ID: IC.i
Smp Info : 072110ICB
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072110.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: ICB
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 2 Chloride	4.616	4.625	-0.009	1597	0.05977	0.060
T 4 Sulfate	6.525	6.600	-0.075	11410	0.13077	0.13
T 7 DCA	10.001	10.225	-0.224	78946	4.98106	5.0

Data File: \\Tyoung\ee\chem\IC.i\IC1072110.b\072110ICB.D

Date : 21-JUL-2010 18:23

Client ID: 072110ICB

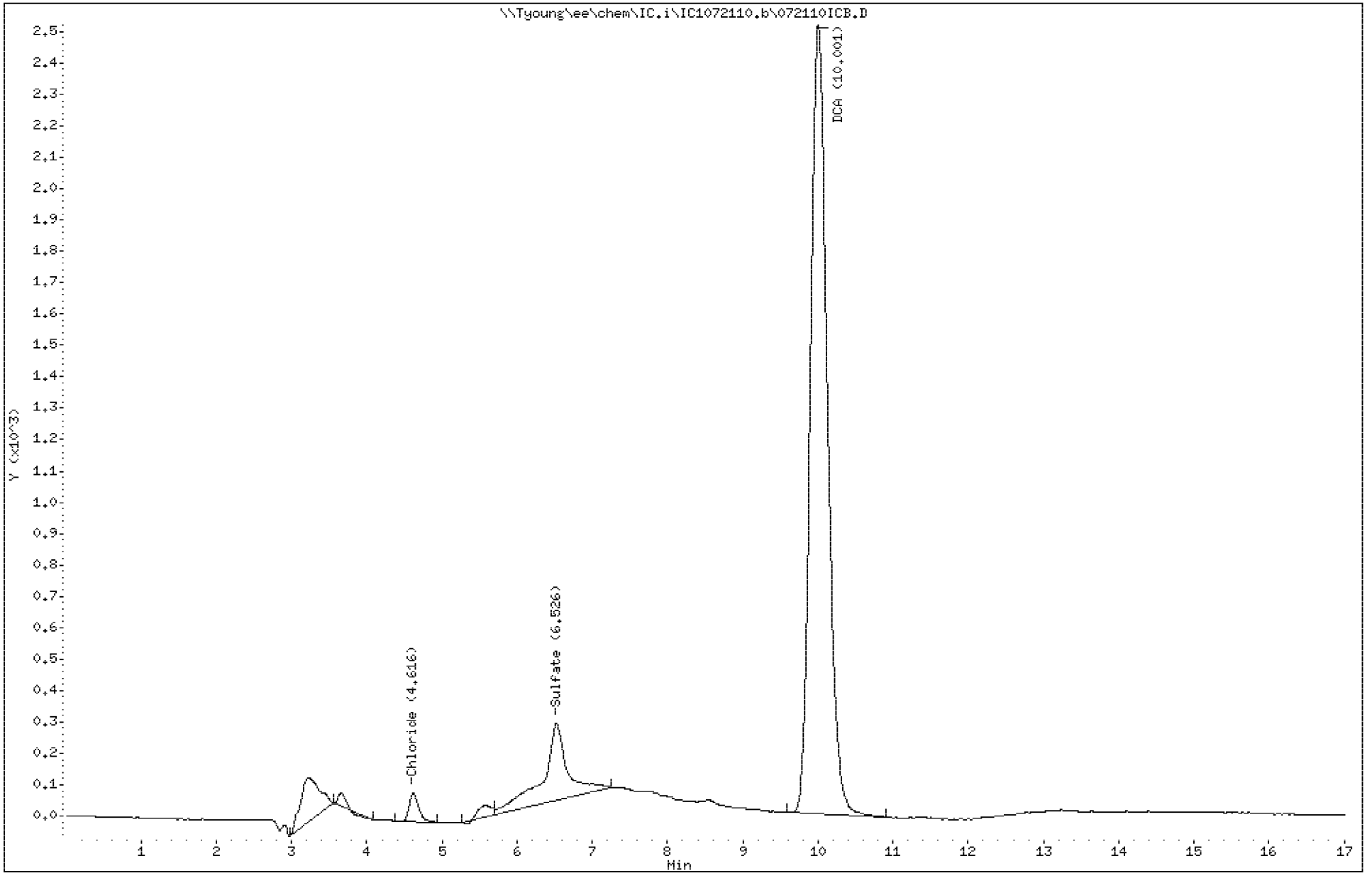
Instrument: IC.i

Sample Info: 072110ICB

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072110.b\072110MB.D
Lab Smp Id: 072110MB Client Smp ID: 072110MB
Inj Date : 21-JUL-2010 18:41
Operator : PEL Inst ID: IC.i
Smp Info : 072110MB
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072110.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 2 Chloride	4.623	4.625	-0.002	1757	0.06190	0.062
T 4 Sulfate	6.536	6.600	-0.064	4908	0.01159	0.012
T 6 Nitrate as N	8.545	8.583	-0.038	4004	0.06472	0.065
T 7 DCA	10.012	10.225	-0.213	79750	5.02898	5.0

Data File: \\Tyoung\ee\chem\IC.i\IC1072110.b\072110MB.D

Date : 21-JUL-2010 18:41

Client ID: 072110MB

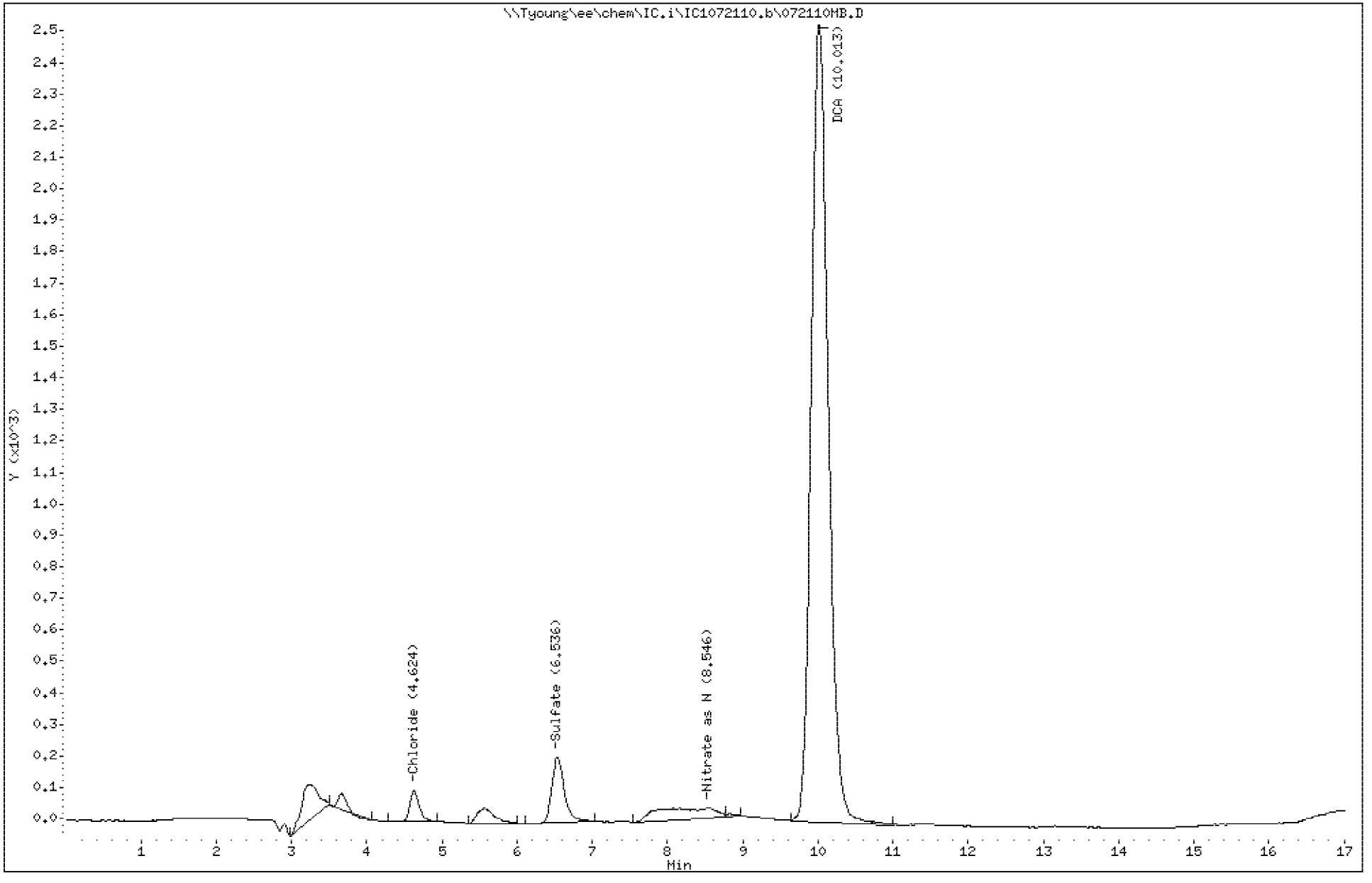
Instrument: IC.i

Sample Info: 072110MB

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072110.b\072110LCS.D
Lab Smp Id: 072110LCS Client Smp ID: 072110LCS
Inj Date : 21-JUL-2010 18:59
Operator : PEL Inst ID: IC.i
Smp Info : 072110LCS
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072110.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.326	3.333	-0.007	483772	4.19395	4.2(R)
T 2 Chloride	4.605	4.625	-0.020	289253	3.89586	3.9(R)
T 3 Nitrite as N	5.419	5.475	-0.056	79766	0.45688	0.46(R)
T 4 Sulfate	6.497	6.600	-0.103	214187	3.84747	3.8(R)
T 5 Bromide	7.381	7.416	-0.035	120494	3.87479	3.9(R)
T 6 Nitrate as N	8.519	8.583	-0.064	81973	0.48365	0.48(R)
T 7 DCA	9.994	10.225	-0.231	76157	4.81482	4.8
T 8 Phosphate as P	11.204	11.175	0.029	171670	2.55260	2.6(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Tyoung\ee\chem\IC.i\IC1072110.b\072110LCS.D

Date : 21-JUL-2010 18:59

Client ID: 072110LCS

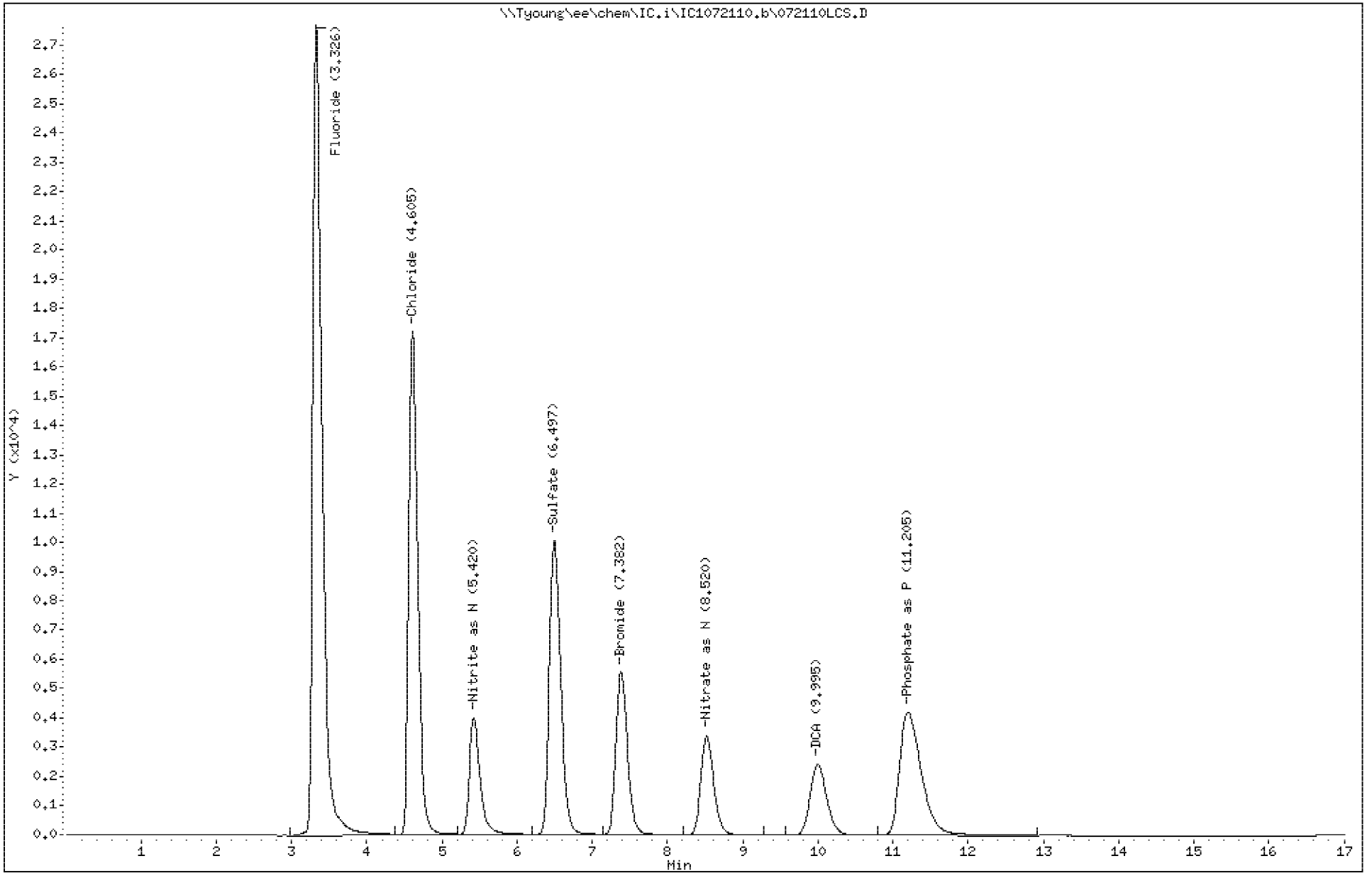
Instrument: IC.i

Sample Info: 072110LCS

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072110.b\072110LCSD.D
Lab Smp Id: 072110LCSD Client Smp ID: 072110LCSD
Inj Date : 21-JUL-2010 19:17
Operator : PEL Inst ID: IC.i
Smp Info : 072110LCSD
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072110.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.325	3.333	-0.008	482254	4.17995	4.2(R)
T 2 Chloride	4.604	4.625	-0.021	289156	3.89457	3.9(R)
T 3 Nitrite as N	5.419	5.475	-0.056	80048	0.45866	0.46(R)
T 4 Sulfate	6.497	6.600	-0.103	214526	3.85368	3.8(R)
T 5 Bromide	7.383	7.416	-0.033	121267	3.89818	3.9(R)
T 6 Nitrate as N	8.522	8.583	-0.061	81923	0.48338	0.48(R)
T 7 DCA	9.996	10.225	-0.229	75631	4.78347	4.8
T 8 Phosphate as P	11.203	11.175	0.028	171237	2.54676	2.5(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Tyoung\ee\chem\IC.i\IC1072110.b\072110LCSD.D

Date : 21-JUL-2010 19:17

Client ID: 072110LCSD

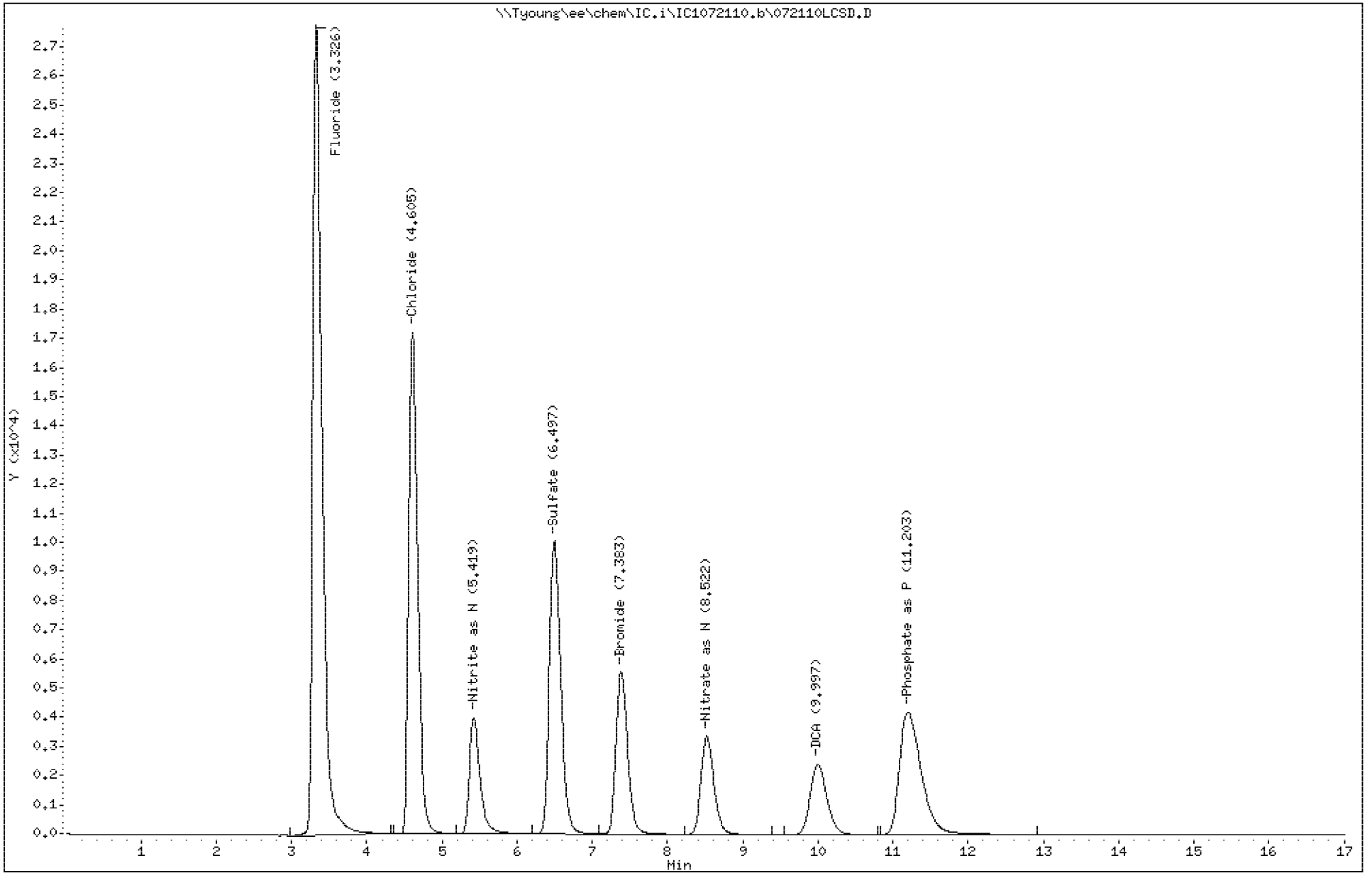
Instrument: IC.i

Sample Info: 072110LCSD

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072110.b\350023701.D
Lab Smp Id: 350023701 Client Smp ID: ST106-FD-10625-2007
Inj Date : 21-JUL-2010 19:36
Operator : PEL Inst ID: IC.i
Smp Info : 350023701
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072110.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.331	3.333	-0.002	52425	0.21701	0.22
T 2 Chloride	4.602	4.625	-0.023	1902642	25.4115	25.4
T 3 Nitrite as N	5.525	5.475	0.050	25489	0.11396	0.11
T 4 Sulfate	6.412	6.600	-0.188	3415079	62.5166	62.5
T 5 Bromide	7.393	7.416	-0.023	17201	0.74950	0.75
T 6 Nitrate as N	8.524	8.583	-0.059	90354	0.52868	0.53
T 7 DCA	10.002	10.225	-0.223	76515	4.83616	4.8

Data File: \\Tyoung\ee\chem\IC.i\IC1072110.b\350023701.D

Date : 21-JUL-2010 19:36

Client ID: ST106-FD-10625-2007

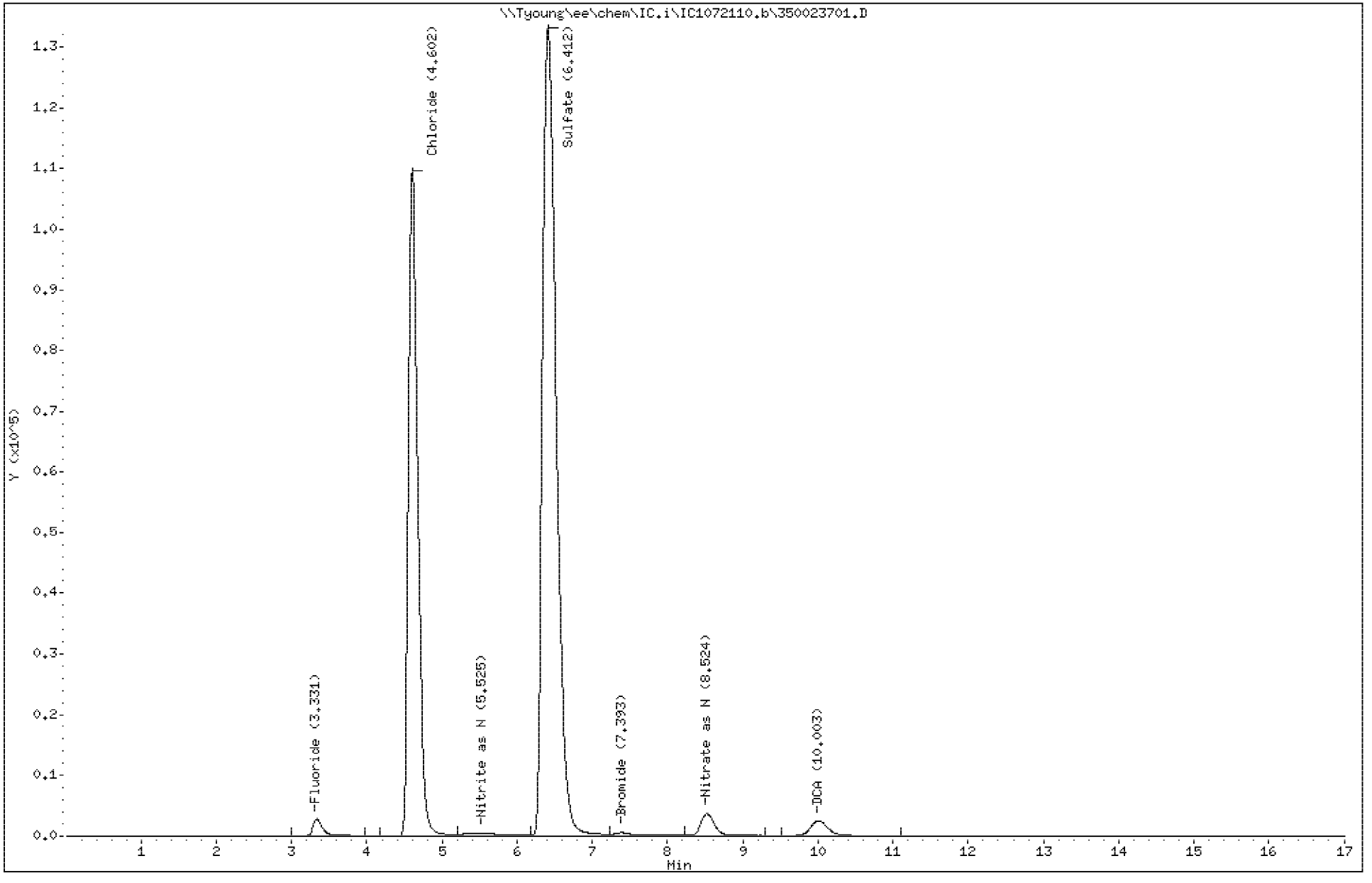
Instrument: IC.i

Sample Info: 350023701

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072110.b\350023702.D
Lab Smp Id: 350023702 Client Smp ID: ST106-GW-10625-2007
Inj Date : 21-JUL-2010 19:54
Operator : PEL Inst ID: IC.i
Smp Info : 350023702
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072110.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.329	3.333	-0.004	51826	0.21149	0.21
T 2 Chloride	4.602	4.625	-0.023	1901055	25.3904	25.4
T 3 Nitrite as N	5.525	5.475	0.050	26227	0.11863	0.12
T 4 Sulfate	6.416	6.600	-0.184	3424919	62.6969	62.7
T 5 Bromide	7.392	7.416	-0.024	18707	0.79506	0.80
T 6 Nitrate as N	8.523	8.583	-0.060	90339	0.52860	0.53
T 7 DCA	10.001	10.225	-0.224	76684	4.84623	4.8

Data File: \\Tyoung\ee\chem\IC.i\IC1072110.b\350023702.D

Date : 21-JUL-2010 19:54

Client ID: ST106-GW-10625-2007

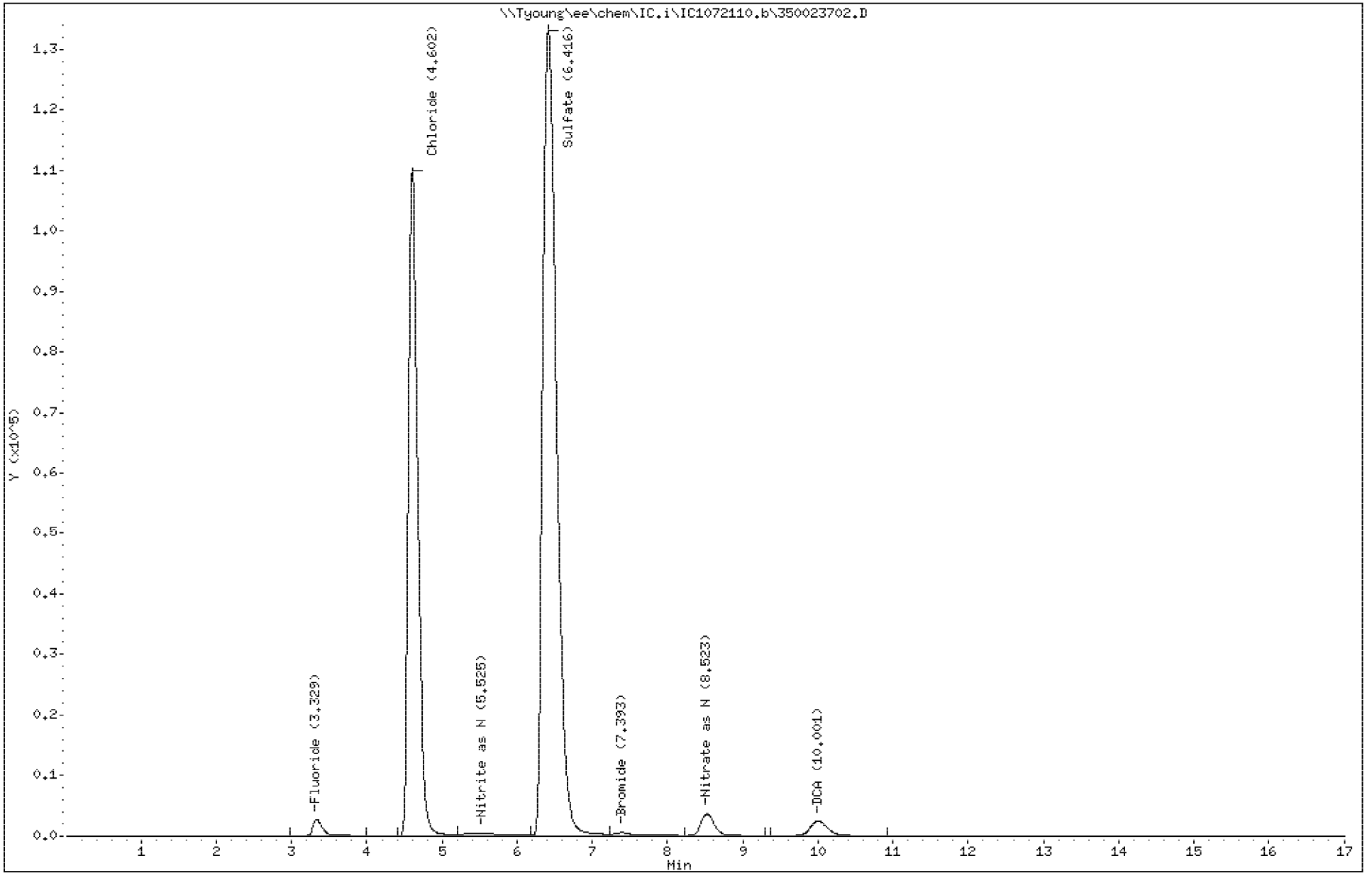
Instrument: IC.i

Sample Info: 350023702

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072110.b\350023703MS.D
Lab Smp Id: 350023703MS Client Smp ID: 350023703MS
Inj Date : 21-JUL-2010 20:12
Operator : PEL Inst ID: IC.i
Smp Info : 350023703MS
Misc Info : None
Comment :
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Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.324	3.333	-0.009	540312	4.71524	4.7
T 2 Chloride	4.596	4.625	-0.029	2164383	28.9020	28.9(R)
T 3 Nitrite as N	5.395	5.475	-0.080	97617	0.56966	0.57
T 4 Sulfate	6.402	6.600	-0.198	3564659	65.2582	65.2(R)
T 5 Bromide	7.373	7.416	-0.043	149561	4.75426	4.8
T 6 Nitrate as N	8.501	8.583	-0.082	183452	1.02890	1.0(R)
T 7 DCA	9.995	10.225	-0.230	75032	4.74776	4.7
T 8 Phosphate as P	11.315	11.175	0.140	165641	2.47136	2.5

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Tyoung\ee\chem\IC.i\IC1072110.b\350023703MS.D

Date : 21-JUL-2010 20:12

Client ID: 350023703MS

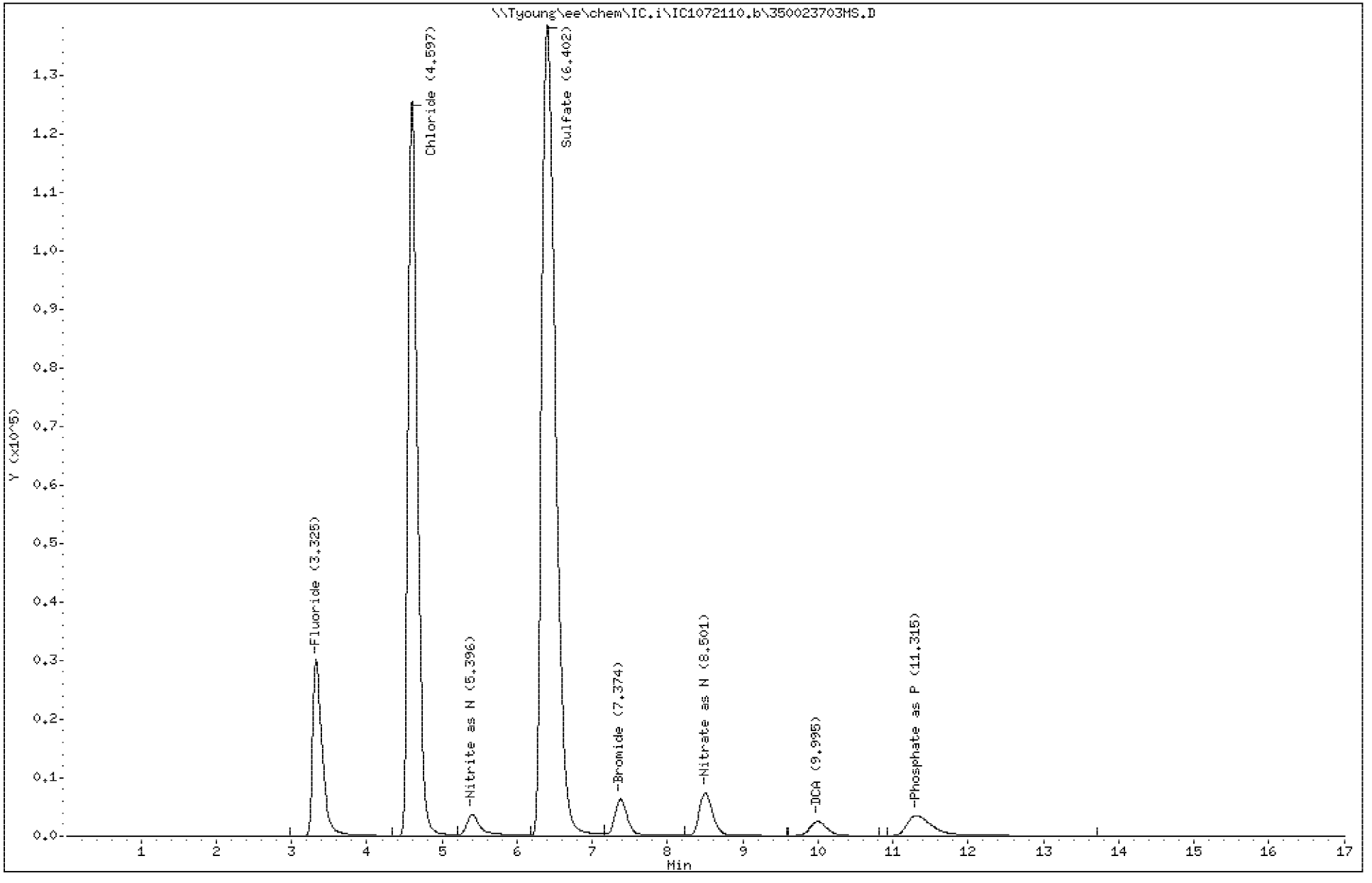
Instrument: IC.i

Sample Info: 350023703MS

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072110.b\350023704SD.D
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Inj Date : 21-JUL-2010 20:30
Operator : PEL Inst ID: IC.i
Smp Info : 350023704SD
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072110.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.326	3.333	-0.007	524420	4.56872	4.6
T 2 Chloride	4.599	4.625	-0.026	2181707	29.1330	29.1(R)
T 3 Nitrite as N	5.399	5.475	-0.076	95450	0.55597	0.56
T 4 Sulfate	6.406	6.600	-0.194	3604750	65.9931	66.0(R)
T 5 Bromide	7.380	7.416	-0.036	144150	4.59054	4.6
T 6 Nitrate as N	8.507	8.583	-0.076	181340	1.01755	1.0(R)
T 7 DCA	10.005	10.225	-0.220	53386	3.45757	3.4(R)
T 8 Phosphate as P	11.306	11.175	0.131	159667	2.39086	2.4

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Tyoung\ee\chem\IC.i\IC1072110.b\350023704SD.D

Date : 21-JUL-2010 20:30

Client ID: 350023704SD

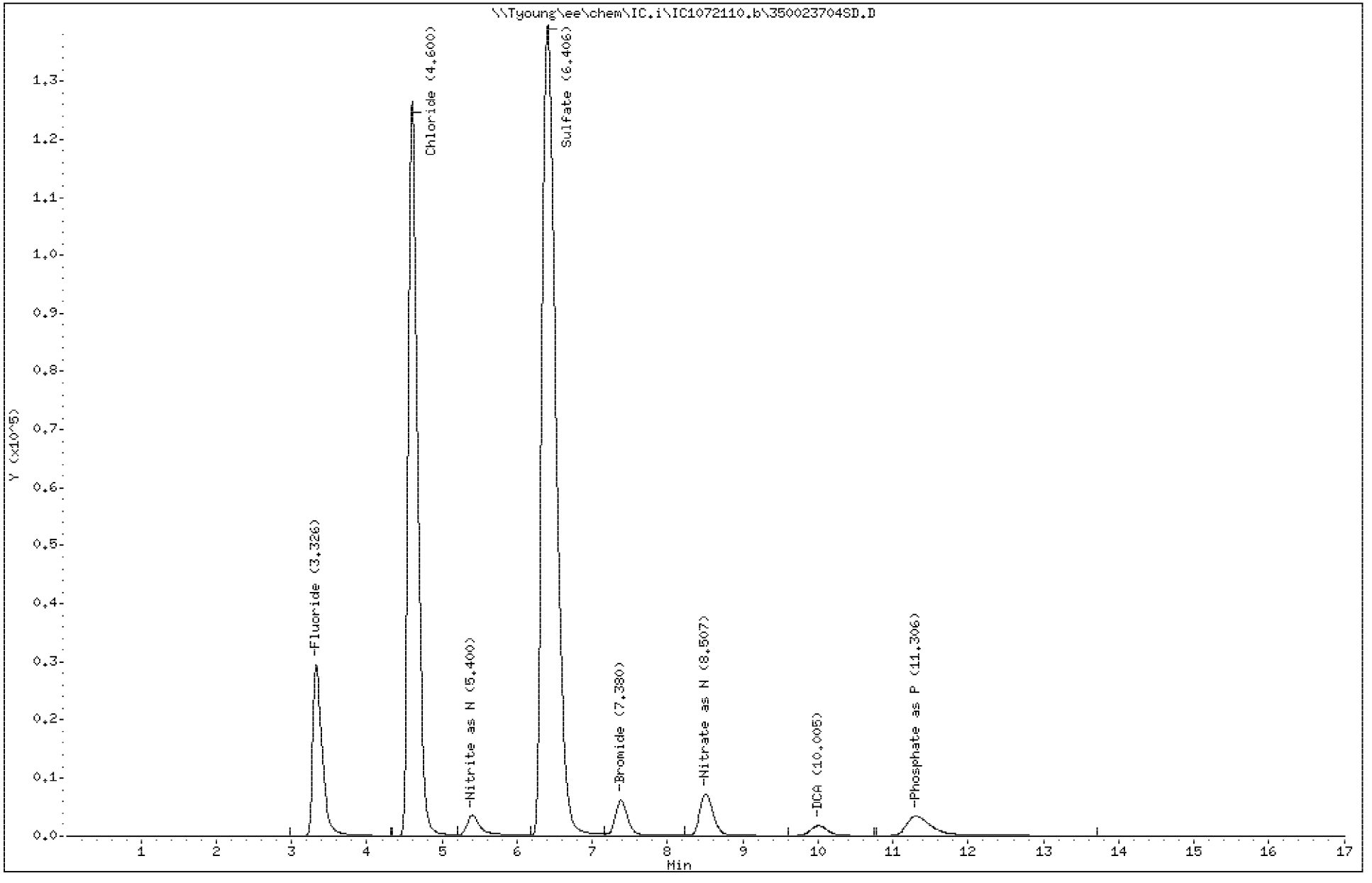
Instrument: IC.i

Sample Info: 350023704SD

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072110.b\350023705.D
Lab Smp Id: 350023705 Client Smp ID: ST106-GW-10626-2007
Inj Date : 21-JUL-2010 20:48
Operator : PEL Inst ID: IC.i
Smp Info : 350023705
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072110.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.329	3.333	-0.004	50559	0.19980	0.20
T 2 Chloride	4.598	4.625	-0.027	5453023	72.7583	72.8
T 3 Nitrite as N	5.508	5.475	0.033	32537	0.15849	0.16
T 4 Sulfate	6.409	6.600	-0.191	3569064	65.3390	65.3
T 5 Bromide	7.388	7.416	-0.028	42888	1.52670	1.5
T 6 Nitrate as N	8.469	8.583	-0.114	560722	3.05598	3.0
T 7 DCA	9.997	10.225	-0.228	85133	5.34983	5.3

Data File: \\Tyoung\ee\chem\IC.i\IC1072110.b\350023705.D

Date : 21-JUL-2010 20:48

Client ID: ST106-GW-10626-2007

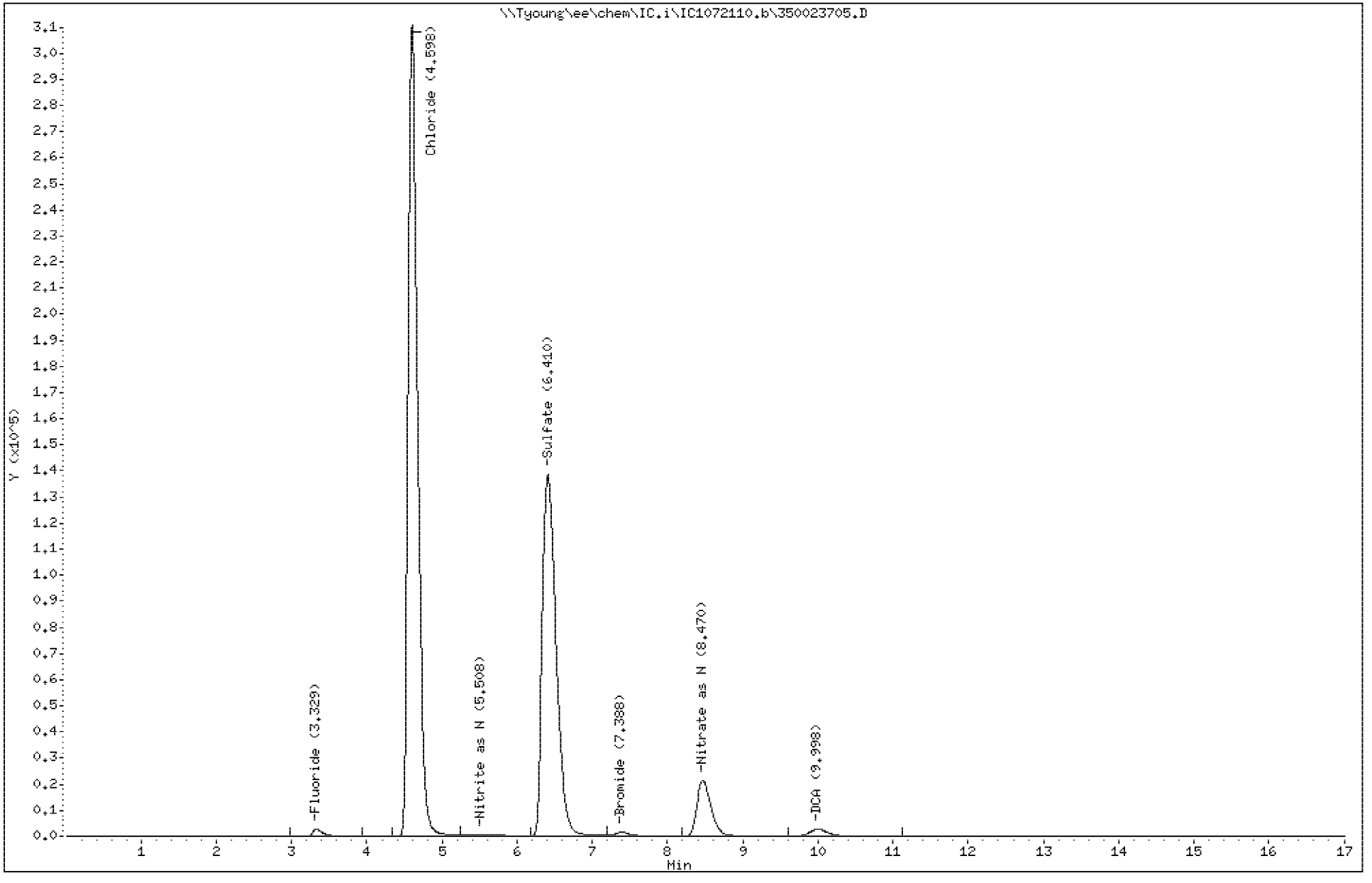
Instrument: IC.i

Sample Info: 350023705

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072110.b\072110CCV1.D
Lab Smp Id: 072110CCV1 Client Smp ID: 072110CCV1
Inj Date : 21-JUL-2010 21:07
Operator : PEL Inst ID: IC.i
Smp Info : 072110CCV1
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072110.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: CCV
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.326	3.333	-0.007	484720	4.20269	4.2(R)
T 2 Chloride	4.605	4.625	-0.020	290282	3.90958	3.9(R)
T 3 Nitrite as N	5.420	5.475	-0.055	80205	0.45966	0.46(R)
T 4 Sulfate	6.499	6.600	-0.101	211951	3.80648	3.8(R)
T 5 Bromide	7.383	7.416	-0.033	120800	3.88405	3.9(R)
T 6 Nitrate as N	8.520	8.583	-0.063	81459	0.48088	0.48(R)
T 7 DCA	9.995	10.225	-0.230	76544	4.83789	4.8
T 8 Phosphate as P	11.204	11.175	0.029	171949	2.55636	2.6(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Tyoung\ee\chem\IC.i\IC1072110.b\072110CCV1.D

Date : 21-JUL-2010 21:07

Client ID: 072110CCV1

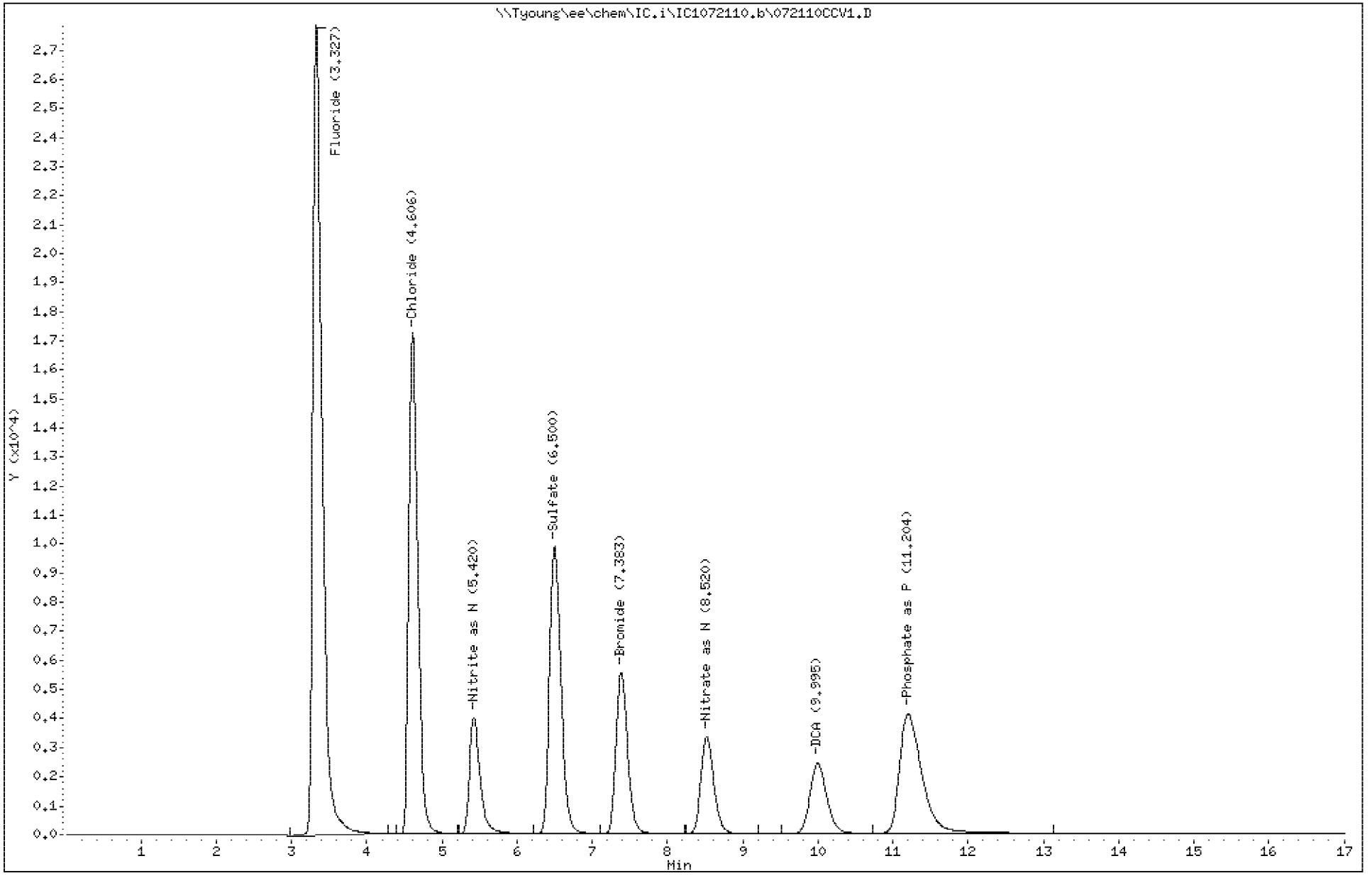
Instrument: IC.i

Sample Info: 072110CCV1

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072110.b\072110CCB1.D
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Inj Date : 21-JUL-2010 21:25
Operator : PEL Inst ID: IC.i
Smp Info : 072110CCB1
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072110.b\IC1300.m
Meth Date : 27-Jul-2010 13:19 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: CCB
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 2 Chloride	4.616	4.625	-0.009	1431	0.05756	0.058
T 4 Sulfate	6.520	6.600	-0.080	7515	0.05938	0.059
T 7 DCA	9.998	10.225	-0.227	78075	4.92914	4.9

Data File: \\Tyoung\ee\chem\IC.i\IC1072110.b\072110CCB1.D

Date : 21-JUL-2010 21:25

Client ID: 072110CCB1

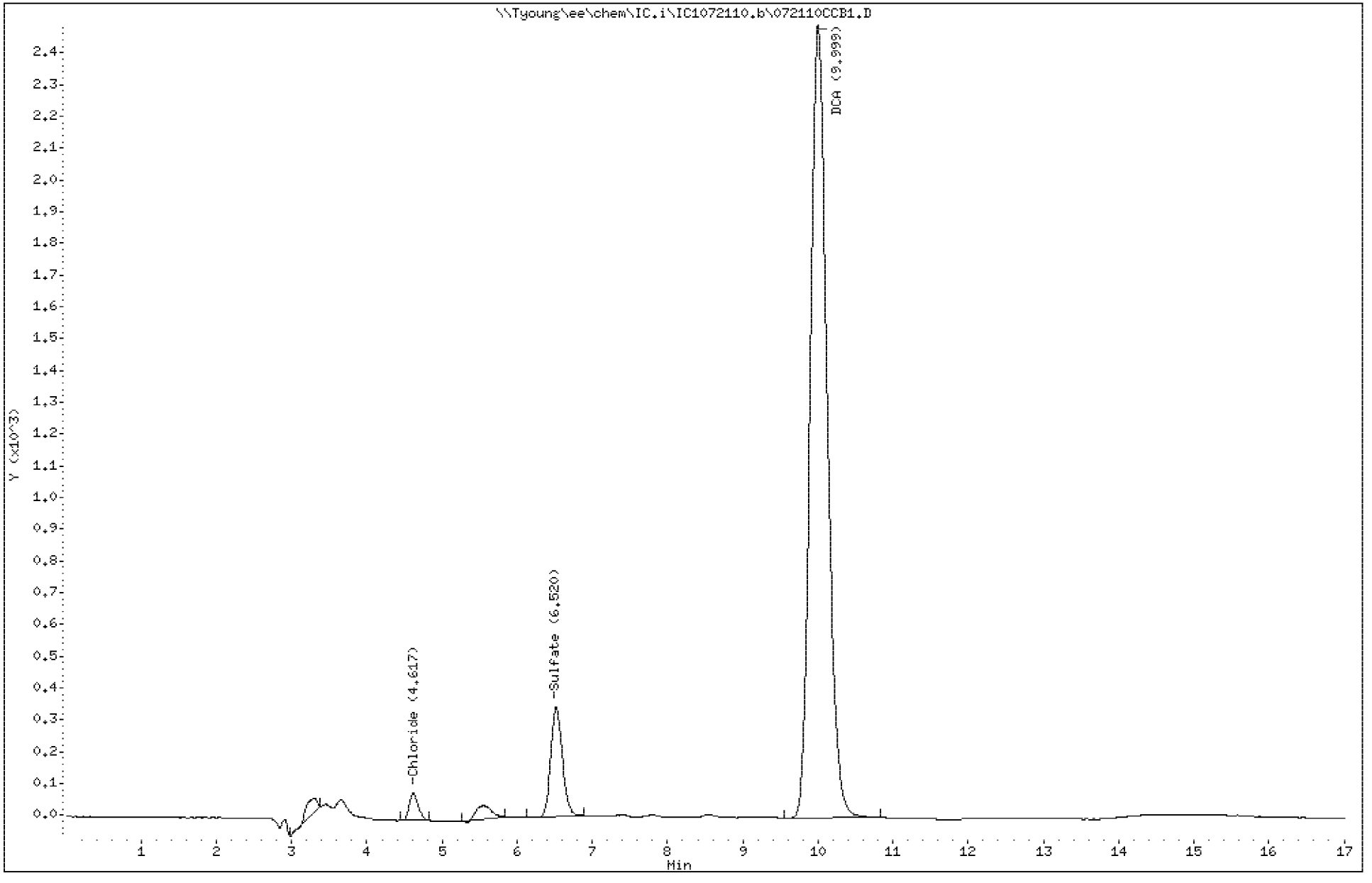
Instrument: IC.i

Sample Info: 072110CCB1

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210ICV.D
Lab Smp Id: 072210ICV Client Smp ID: 072210ICV
Inj Date : 22-JUL-2010 12:28
Operator : PEL Inst ID: IC.i
Smp Info : 072210ICV
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072210A.b\IC1300.m
Meth Date : 27-Jul-2010 13:20 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.327	3.333	-0.006	939649	8.39705	8.4
T 2 Chloride	4.602	4.625	-0.023	593079	7.94759	7.9
T 3 Nitrite as N	5.412	5.475	-0.063	178142	1.07842	1.1
T 4 Sulfate	6.475	6.600	-0.125	434187	7.87984	7.9
T 5 Bromide	7.367	7.416	-0.049	255682	7.96513	8.0
T 6 Nitrate as N	8.497	8.583	-0.086	174581	0.98123	0.98
T 7 DCA	9.975	10.225	-0.250	79328	5.00382	5.0
T 8 Phosphate as P	11.059	11.175	-0.116	359601	5.08490	5.1

Data File: \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210ICV.D

Date : 22-JUL-2010 12:28

Client ID: 072210ICV

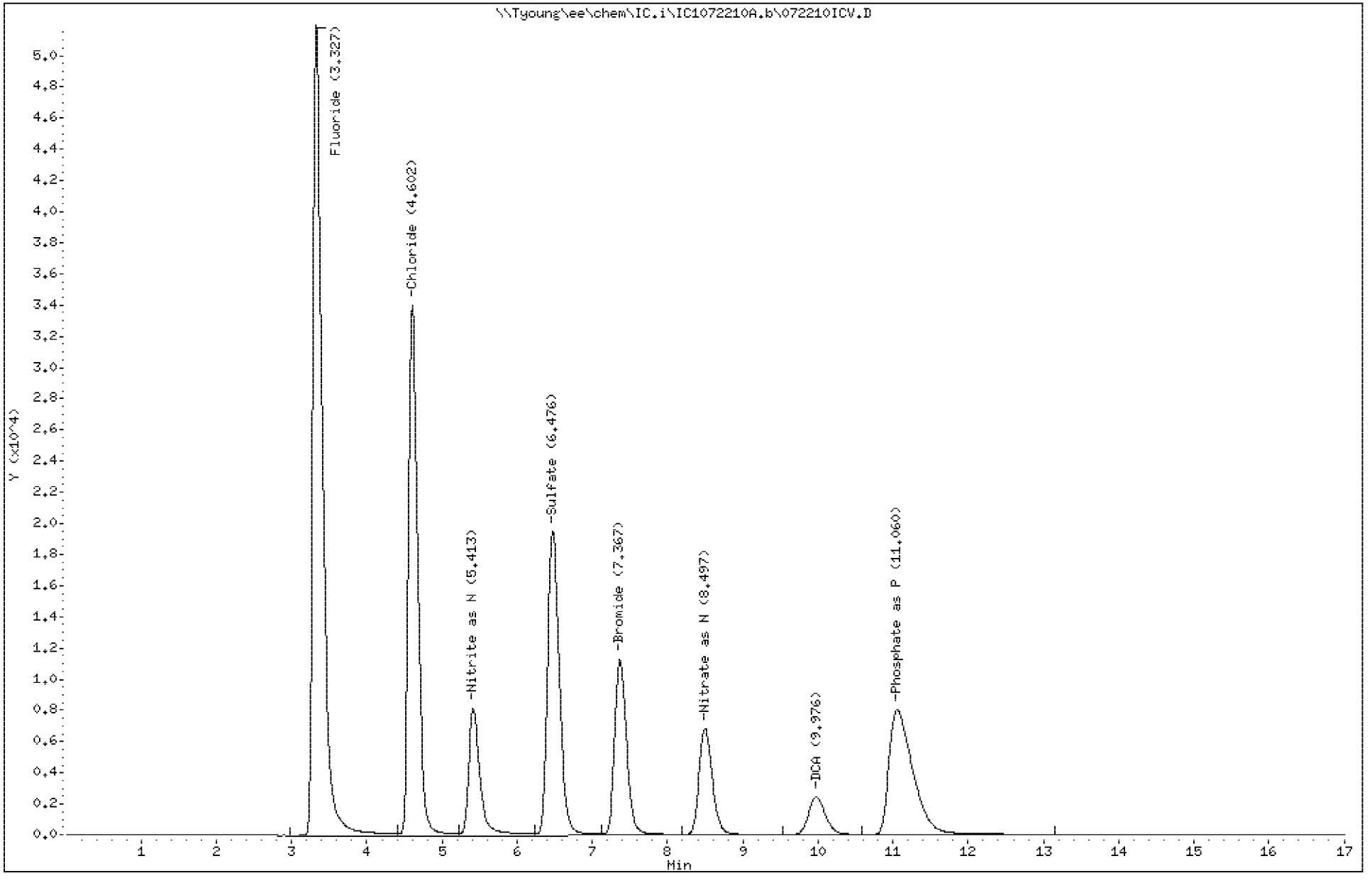
Instrument: IC.i

Sample Info: 072210ICV

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210ICB.D
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Inj Date : 22-JUL-2010 12:46
Operator : PEL Inst ID: IC.i
Smp Info : 072210ICB
Misc Info : None
Comment :
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Meth Date : 27-Jul-2010 13:20 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: ICB
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 2 Chloride	4.608	4.625	-0.017	2300	0.06914	0.069
T 6 Nitrate as N	8.534	8.583	-0.049	139	0.04395	0.044
T 7 DCA	9.980	10.225	-0.245	76853	4.85630	4.8

Data File: \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210ICB.D

Date : 22-JUL-2010 12:46

Client ID: 072210ICB

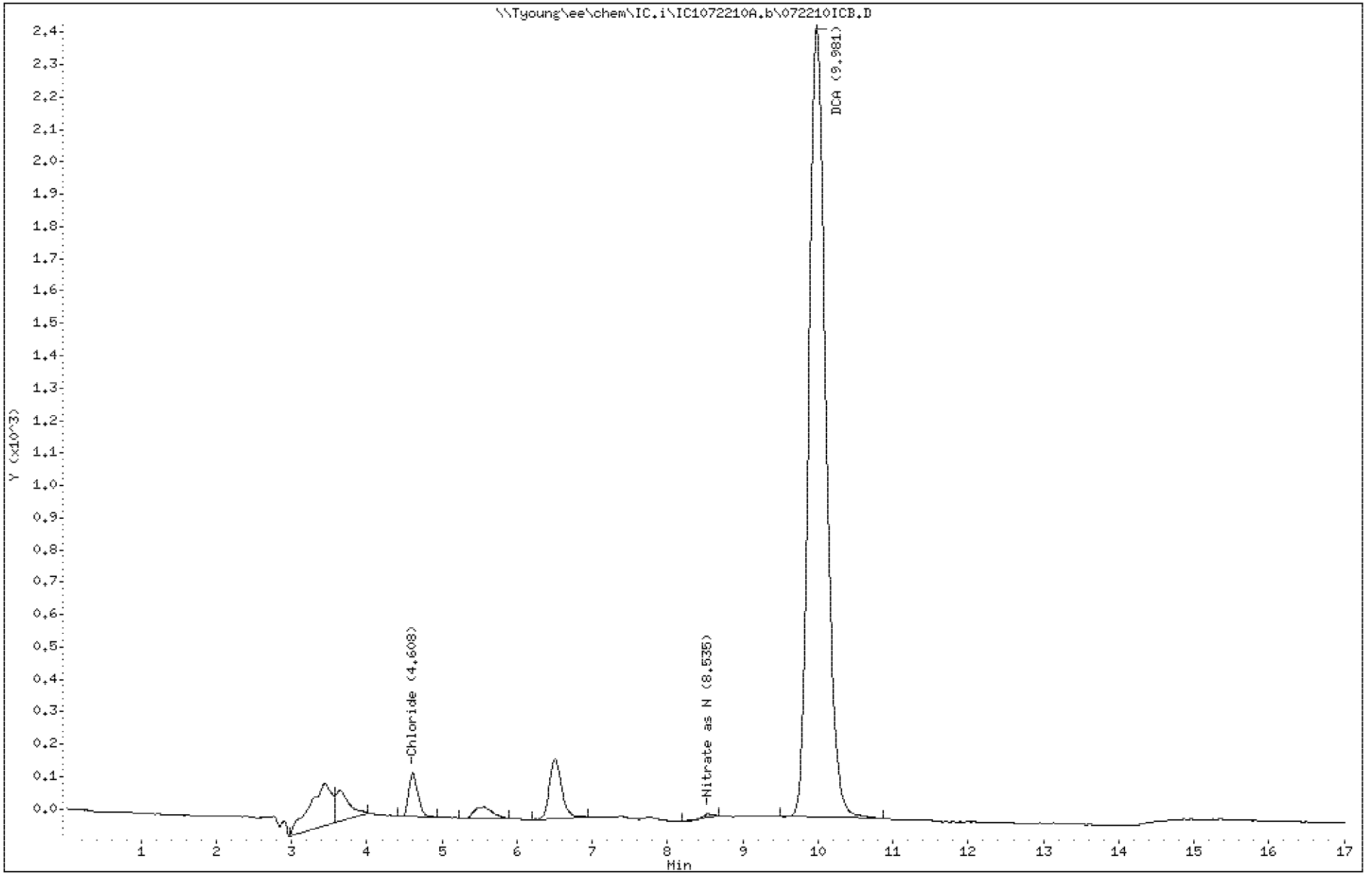
Instrument: IC.i

Sample Info: 072210ICB

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210MB.D
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Operator : PEL Inst ID: IC.i
Smp Info : 072210MB
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072210A.b\IC1300.m
Meth Date : 27-Jul-2010 13:20 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 2 Chloride	4.609	4.625	-0.016	2363	0.06998	0.070
T 4 Sulfate	6.504	6.600	-0.096	4565	0.00531	0.0053
T 7 DCA	9.984	10.225	-0.241	75987	4.80469	4.8

Data File: \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210MB.D

Date : 22-JUL-2010 13:12

Client ID: 072210MB

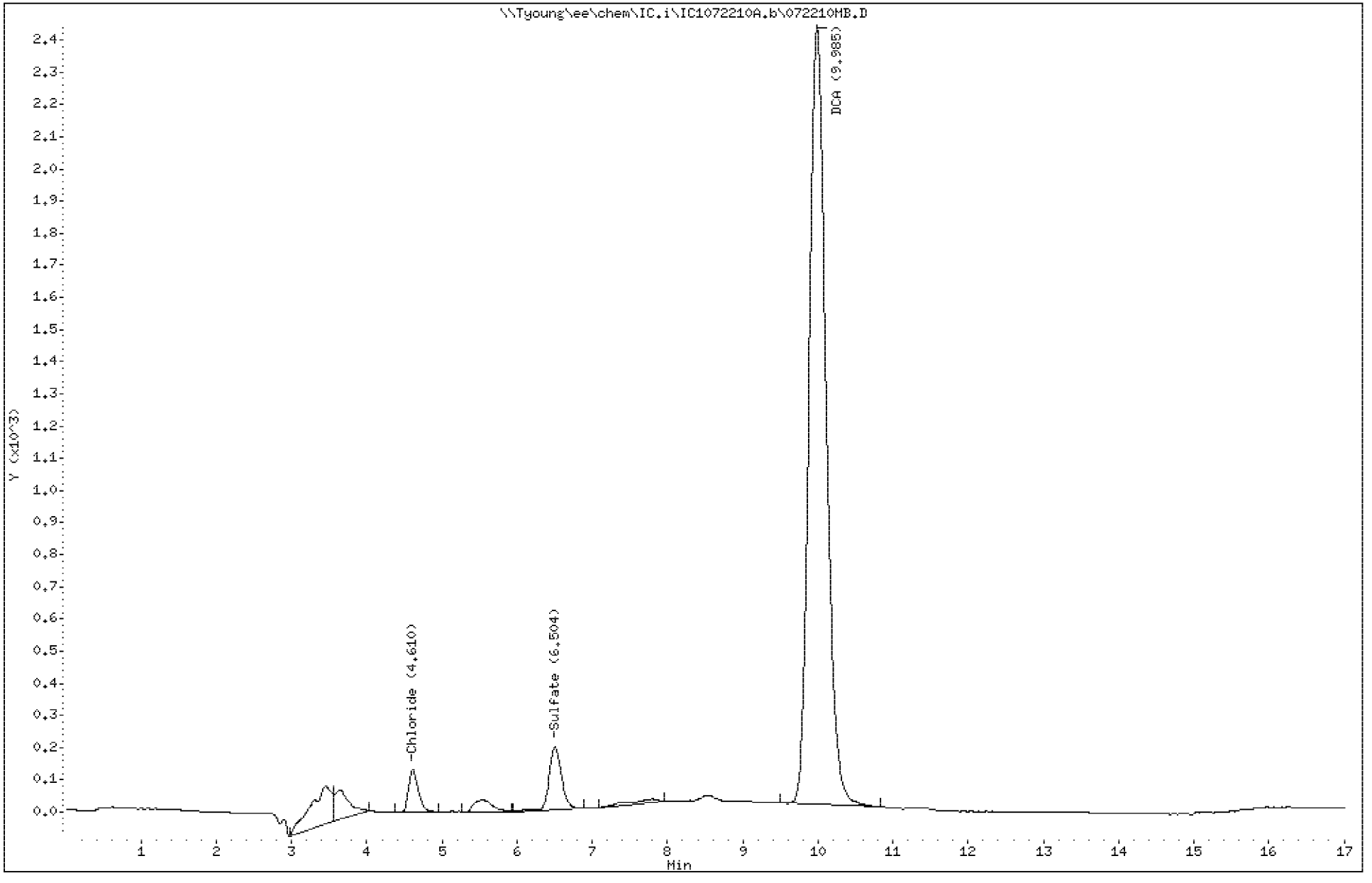
Instrument: IC.i

Sample Info: 072210MB

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210LCS.D
Lab Smp Id: 072210LCS Client Smp ID: 072210LCS
Inj Date : 22-JUL-2010 13:30
Operator : PEL Inst ID: IC.i
Smp Info : 072210LCS
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072210A.b\IC1300.m
Meth Date : 27-Jul-2010 13:20 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.325	3.333	-0.008	935286	8.35683	8.4
T 2 Chloride	4.600	4.625	-0.025	588063	7.88070	7.9
T 3 Nitrite as N	5.410	5.475	-0.065	173607	1.04976	1.0
T 4 Sulfate	6.473	6.600	-0.127	428606	7.77755	7.8
T 5 Bromide	7.365	7.416	-0.051	250865	7.81938	7.8
T 6 Nitrate as N	8.495	8.583	-0.088	169578	0.95435	0.95
T 7 DCA	9.974	10.225	-0.251	75549	4.77858	4.8
T 8 Phosphate as P	11.051	11.175	-0.124	356273	5.04006	5.0

Data File: \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210LCS.D

Date : 22-JUL-2010 13:30

Client ID: 072210LCS

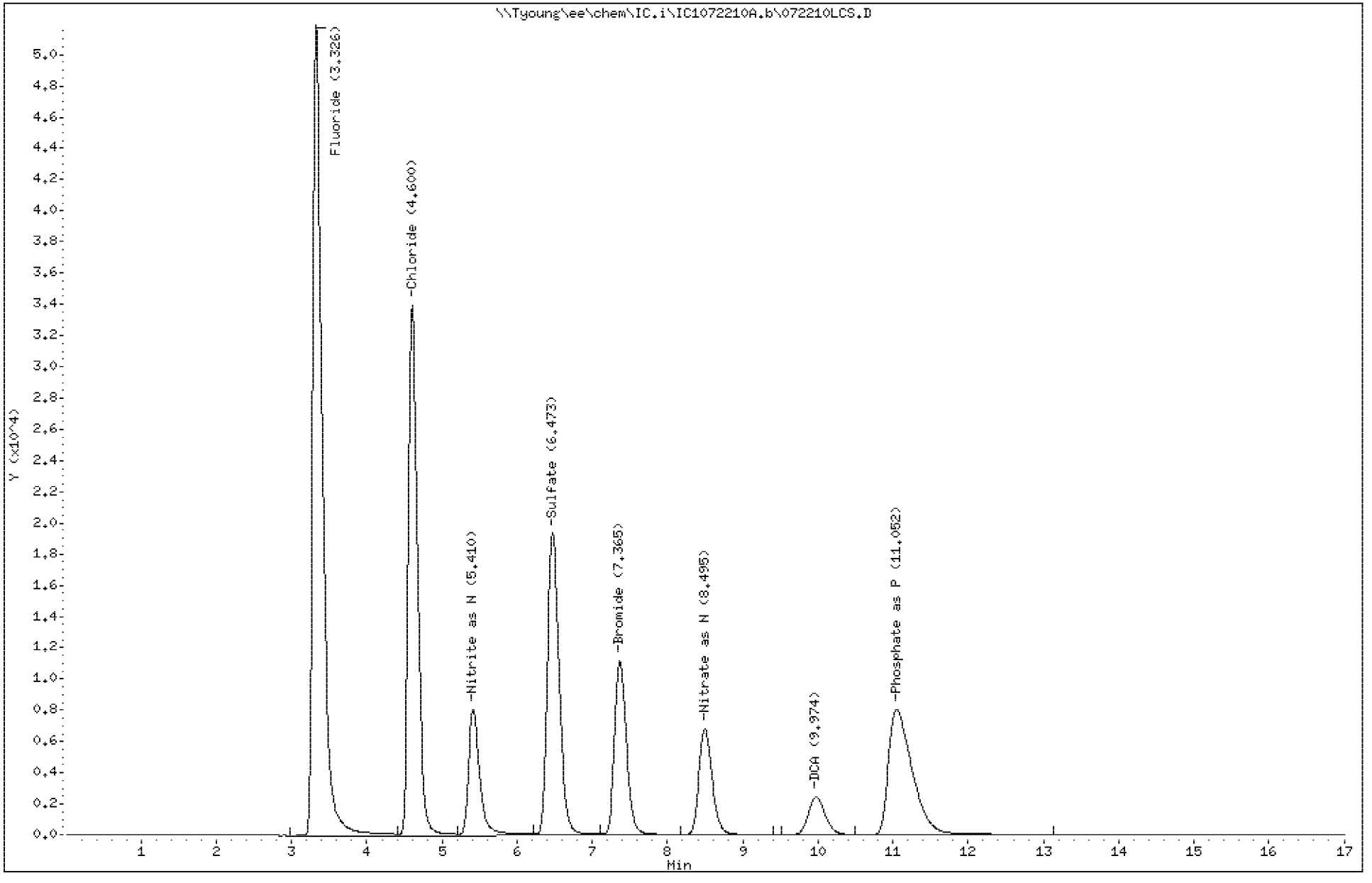
Instrument: IC.i

Sample Info: 072210LCS

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210LCSD.D
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Operator : PEL Inst ID: IC.i
Smp Info : 072210LCSD
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072210A.b\IC1300.m
Meth Date : 27-Jul-2010 13:20 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.327	3.333	-0.006	936379	8.36691	8.4
T 2 Chloride	4.602	4.625	-0.023	589009	7.89331	7.9
T 3 Nitrite as N	5.411	5.475	-0.064	174364	1.05455	1.0
T 4 Sulfate	6.477	6.600	-0.123	430294	7.80849	7.8
T 5 Bromide	7.367	7.416	-0.049	251383	7.83505	7.8
T 6 Nitrate as N	8.496	8.583	-0.087	170055	0.95691	0.96
T 7 DCA	9.978	10.225	-0.247	76102	4.81154	4.8
T 8 Phosphate as P	11.061	11.175	-0.114	357810	5.06077	5.1

Data File: \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210LCSD.D

Date : 22-JUL-2010 13:49

Client ID: 072210LCSD

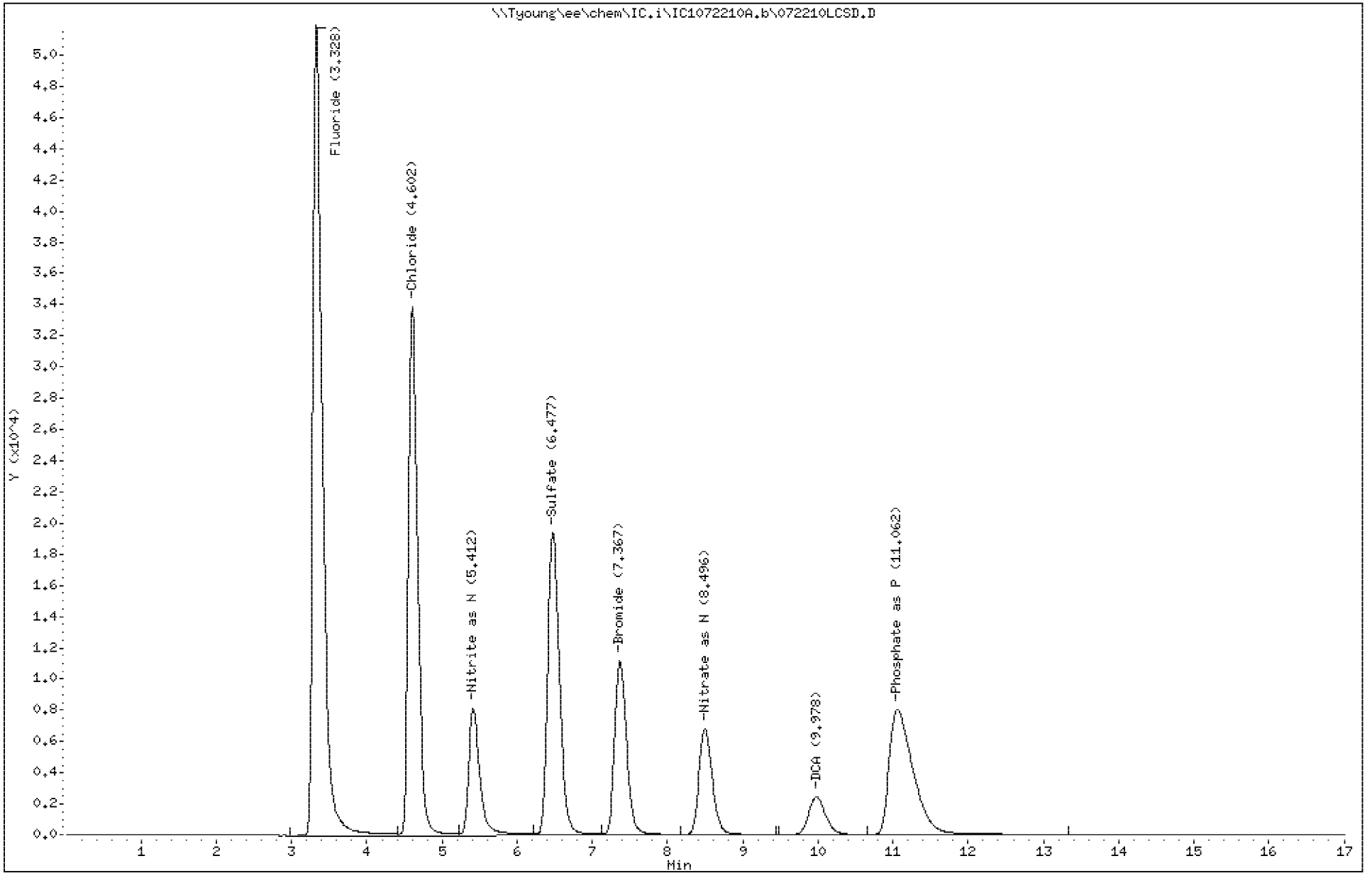
Instrument: IC.i

Sample Info: 072210LCSD

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072210A.b\350023702.D
Lab Smp Id: 350023702 Client Smp ID: ST106-GW-10625-2007
Inj Date : 22-JUL-2010 15:20
Operator : PEL Inst ID: IC.i
Smp Info : 350023702
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072210A.b\IC1300.m
Meth Date : 27-Jul-2010 13:20 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.324	3.333	-0.009	50847	0.20246	0.20
T 2 Chloride	4.596	4.625	-0.029	1901139	25.3915	25.4
T 3 Nitrite as N	5.479	5.475	0.004	25651	0.11499	0.11
T 4 Sulfate	6.398	6.600	-0.202	3433573	62.8556	62.8
T 5 Bromide	7.376	7.416	-0.040	18461	0.78762	0.79
T 6 Nitrate as N	8.508	8.583	-0.075	88958	0.52118	0.52
T 7 DCA	9.985	10.225	-0.240	74068	4.69031	4.7

Data File: \\Tyoung\ee\chem\IC.i\IC1072210A.b\350023702.D

Date : 22-JUL-2010 15:20

Client ID: ST106-GW-10625-2007

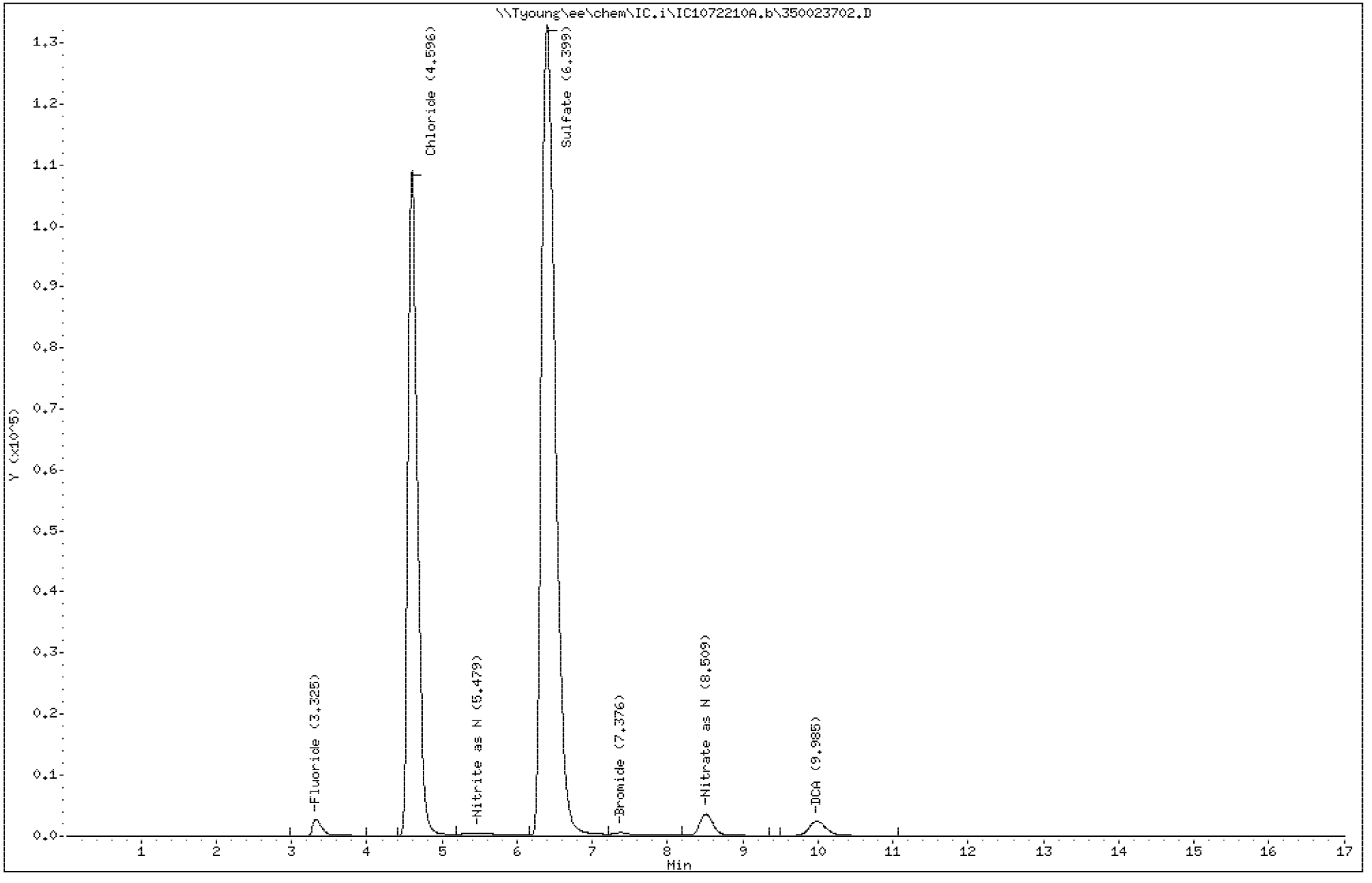
Instrument: IC.i

Sample Info: 350023702

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210CCV1.D
Lab Smp Id: 072210CCV1 Client Smp ID: 072210CCV1
Inj Date : 22-JUL-2010 15:38
Operator : PEL Inst ID: IC.i
Smp Info : 072210CCV1
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072210A.b\IC1300.m
Meth Date : 27-Jul-2010 13:20 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: CCV
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.328	3.333	-0.005	938746	8.38873	8.4
T 2 Chloride	4.603	4.625	-0.022	588896	7.89181	7.9
T 3 Nitrite as N	5.413	5.475	-0.062	174867	1.05772	1.0
T 4 Sulfate	6.480	6.600	-0.120	430926	7.82007	7.8
T 5 Bromide	7.367	7.416	-0.049	252873	7.88014	7.9
T 6 Nitrate as N	8.497	8.583	-0.086	170834	0.96110	0.96
T 7 DCA	9.980	10.225	-0.245	76232	4.81929	4.8
T 8 Phosphate as P	11.061	11.175	-0.114	353960	5.00889	5.0

Data File: \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210CCV1.D

Date : 22-JUL-2010 15:38

Client ID: 072210CCV1

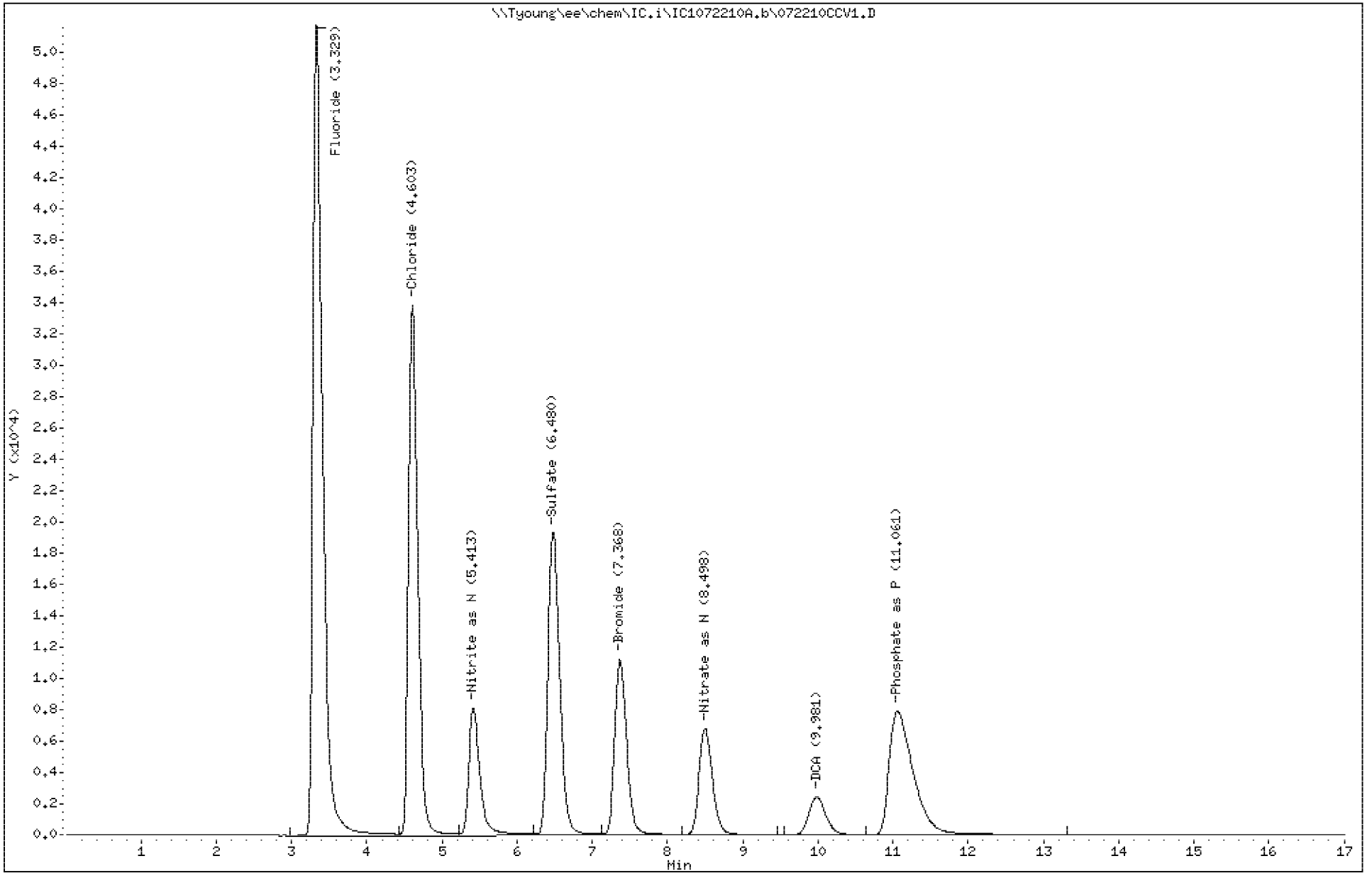
Instrument: IC.i

Sample Info: 072210CCV1

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210CCB1.D
Lab Smp Id: 072210CCB1 Client Smp ID: 072210CCB1
Inj Date : 22-JUL-2010 15:56
Operator : PEL Inst ID: IC.i
Smp Info : 072210CCB1
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072210A.b\IC1300.m
Meth Date : 27-Jul-2010 13:20 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: CCB
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 2 Chloride	4.609	4.625	-0.016	2508	0.07192	0.072
T 7 DCA	9.984	10.225	-0.241	77548	4.89773	4.9

Data File: \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210CCB1.D

Date : 22-JUL-2010 15:56

Client ID: 072210CCB1

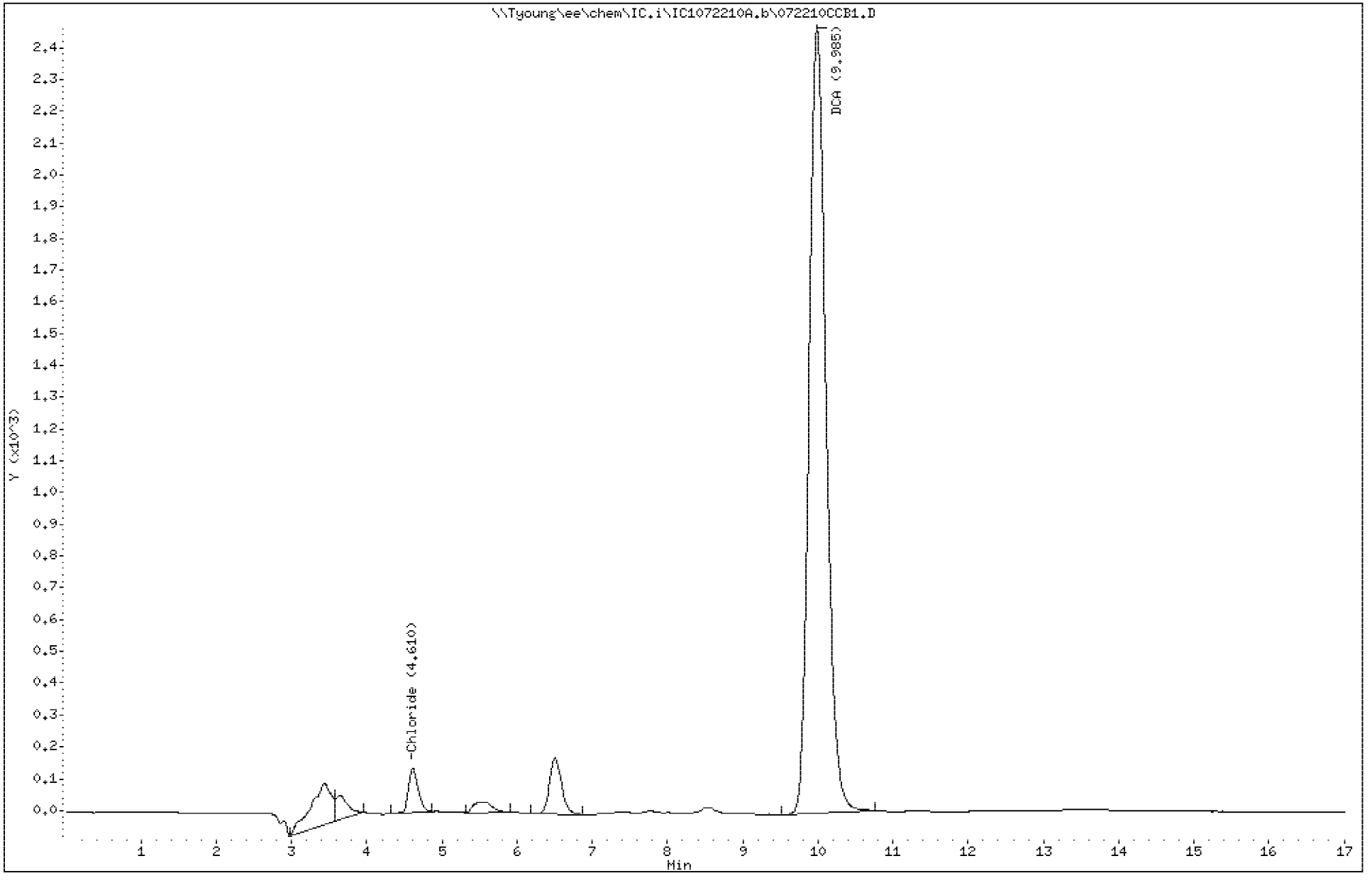
Instrument: IC.i

Sample Info: 072210CCB1

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072210A.b\350023703.D
Lab Smp Id: 350023703MS Client Smp ID: ST106-MS-10625-2007
Inj Date : 22-JUL-2010 16:15
Operator : PEL Inst ID: IC.i
Smp Info : 350023703MS
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072210A.b\IC1300.m
Meth Date : 27-Jul-2010 13:20 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.326	3.333	-0.007	541942	4.73027	4.7
T 2 Chloride	4.598	4.625	-0.027	2197138	29.3388	29.3(R)
T 3 Nitrite as N	5.394	5.475	-0.081	98730	0.57670	0.58
T 4 Sulfate	6.397	6.600	-0.203	3623451	66.3358	66.3(R)
T 5 Bromide	7.371	7.416	-0.045	148062	4.70891	4.7
T 6 Nitrate as N	8.496	8.583	-0.087	183298	1.02807	1.0(R)
T 7 DCA	9.987	10.225	-0.238	73944	4.68291	4.7
T 8 Phosphate as P	11.266	11.175	0.091	167390	2.49492	2.5

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Tyoung\ee\chem\IC.i\IC1072210A.b\350023703.D

Date : 22-JUL-2010 16:15

Client ID: ST106-MS-10625-2007

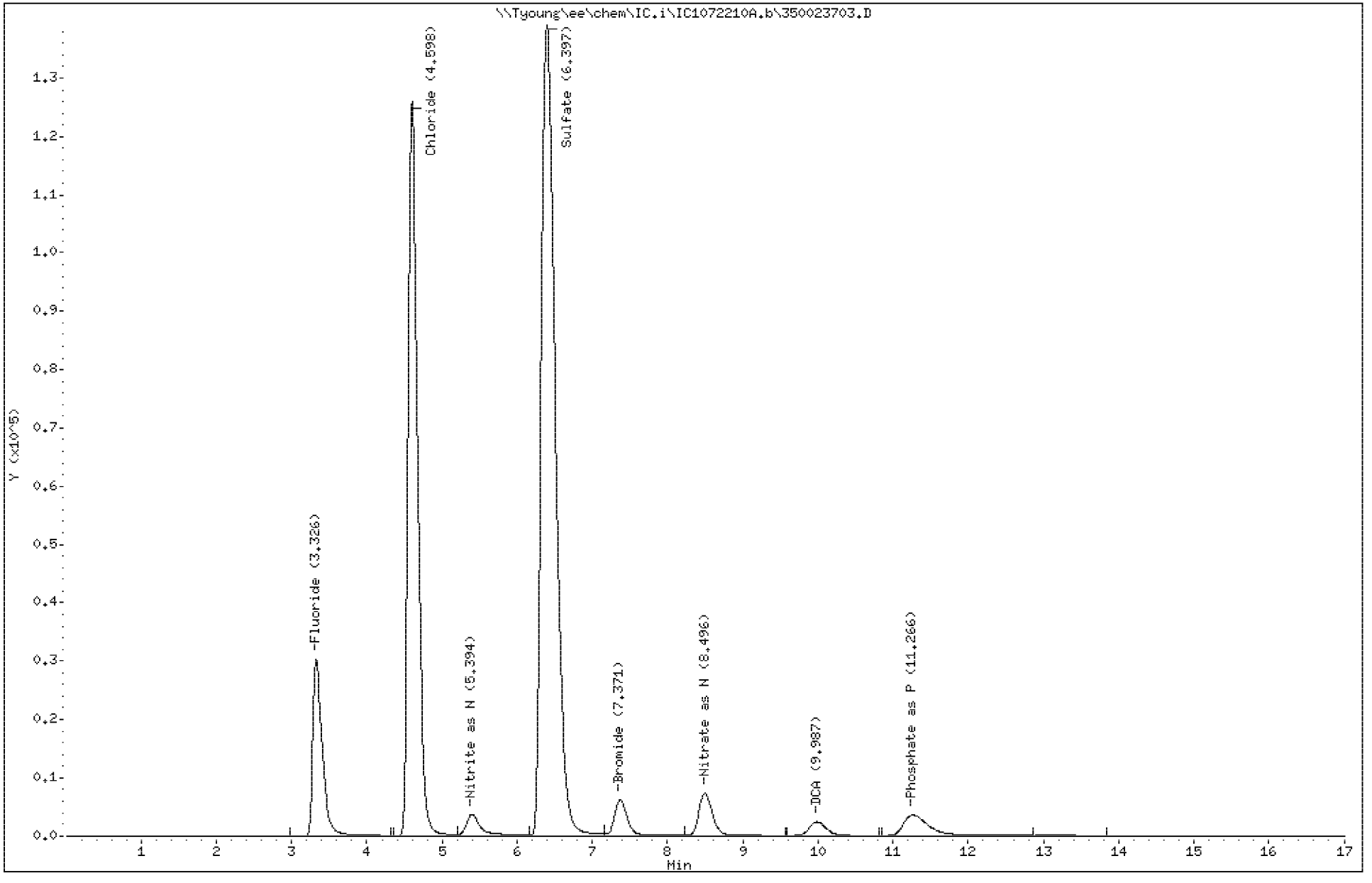
Instrument: IC.i

Sample Info: 350023703MS

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072210A.b\350023704.D
Lab Smp Id: 350023704SD Client Smp ID: ST106-MSD-10625-200
Inj Date : 22-JUL-2010 16:33
Operator : PEL Inst ID: IC.i
Smp Info : 350023704SD
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072210A.b\IC1300.m
Meth Date : 27-Jul-2010 13:20 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.323	3.333	-0.010	535172	4.66785	4.7
T 2 Chloride	4.595	4.625	-0.030	2194249	29.3003	29.3(R)
T 3 Nitrite as N	5.391	5.475	-0.084	96791	0.56445	0.56
T 4 Sulfate	6.393	6.600	-0.207	3631328	66.4802	66.5(R)
T 5 Bromide	7.367	7.416	-0.049	146436	4.65971	4.6
T 6 Nitrate as N	8.491	8.583	-0.092	182262	1.02250	1.0(R)
T 7 DCA	9.981	10.225	-0.244	75107	4.75223	4.8
T 8 Phosphate as P	11.268	11.175	0.093	165164	2.46493	2.5

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Tyoung\ee\chem\IC.i\IC1072210A.b\350023704.D

Date : 22-JUL-2010 16:33

Client ID: ST106-MSD-10625-200

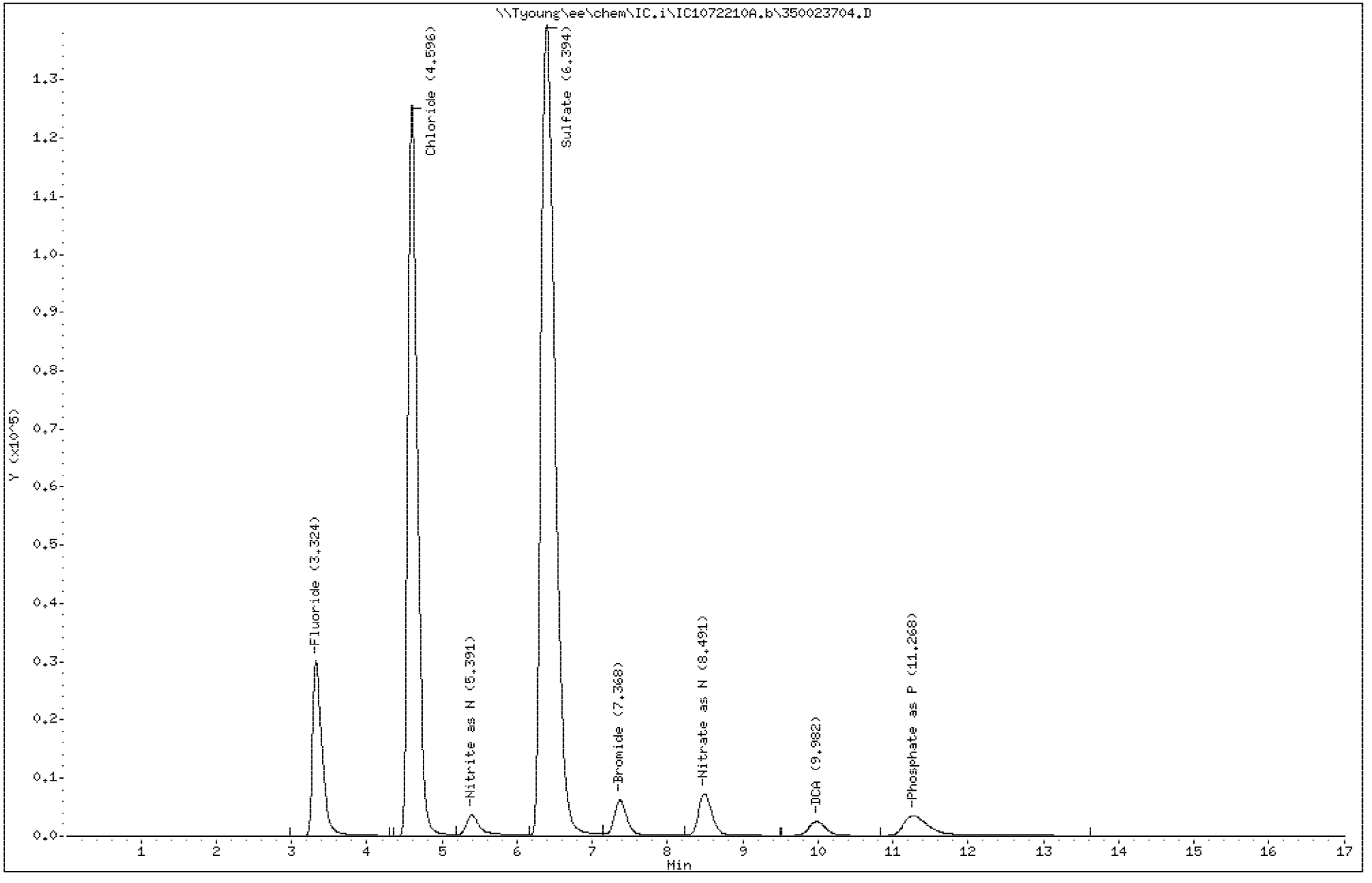
Instrument: IC.i

Sample Info: 350023704SD

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210CCV2.D
Lab Smp Id: 072210CCV2 Client Smp ID: 072210CCV2
Inj Date : 22-JUL-2010 16:51
Operator : PEL Inst ID: IC.i
Smp Info : 072210CCV2
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072210A.b\IC1300.m
Meth Date : 27-Jul-2010 13:20 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: CCV
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 1 Fluoride	3.327	3.333	-0.006	945126	8.44755	8.4
T 2 Chloride	4.602	4.625	-0.023	592761	7.94335	7.9
T 3 Nitrite as N	5.411	5.475	-0.064	177758	1.07599	1.1
T 4 Sulfate	6.481	6.600	-0.119	435434	7.90270	7.9
T 5 Bromide	7.366	7.416	-0.050	255886	7.97130	8.0
T 6 Nitrate as N	8.495	8.583	-0.088	180086	1.01081	1.0
T 7 DCA	9.978	10.225	-0.247	81200	5.11540	5.1
T 8 Phosphate as P	11.061	11.175	-0.114	359185	5.07929	5.1

Data File: \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210CCV2.D

Date : 22-JUL-2010 16:51

Client ID: 072210CCV2

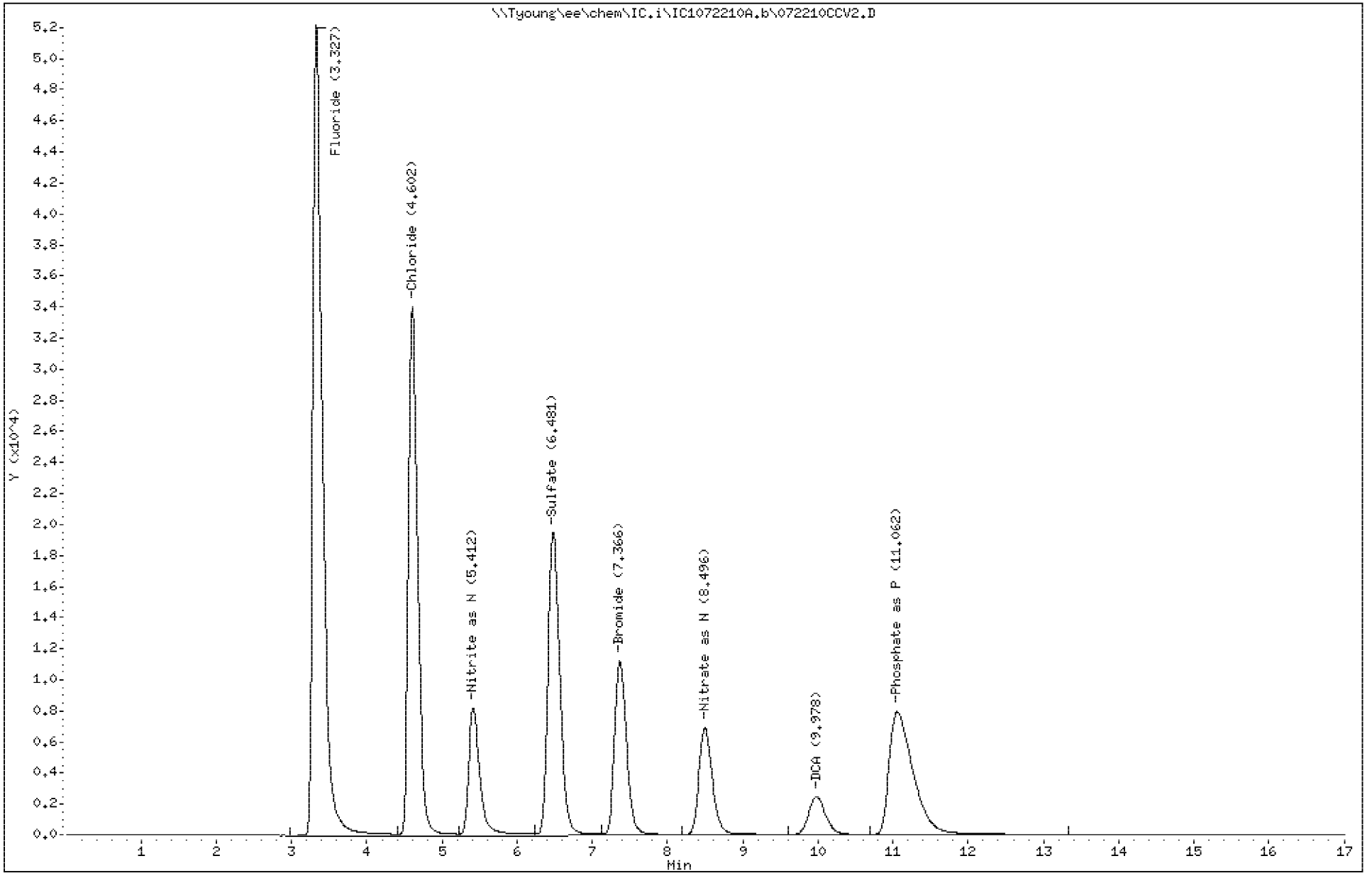
Instrument: IC.i

Sample Info: 072210CCV2

Operator: PEL

Column phase: AS18

Column diameter: 4.00



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210CCB2.D
Lab Smp Id: 072210CCB2 Client Smp ID: 072210CCB2
Inj Date : 22-JUL-2010 17:09
Operator : PEL Inst ID: IC.i
Smp Info : 072210CCB2
Misc Info : None
Comment :
Method : \\Tyoung\ee\chem\IC.i\IC1072210A.b\IC1300.m
Meth Date : 27-Jul-2010 13:20 troberts Quant Type: ESTD
Cal Date : 15-JUN-2010 17:19 Cal File: IICAL 7.D
Als bottle: 6 QC Sample: CCB
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
T 2 Chloride	4.609	4.625	-0.016	2497	0.07177	0.072
T 7 DCA	9.985	10.225	-0.240	78879	4.97706	5.0

Data File: \\Tyoung\ee\chem\IC.i\IC1072210A.b\072210CCB2.D

Date : 22-JUL-2010 17:09

Client ID: 072210CCB2

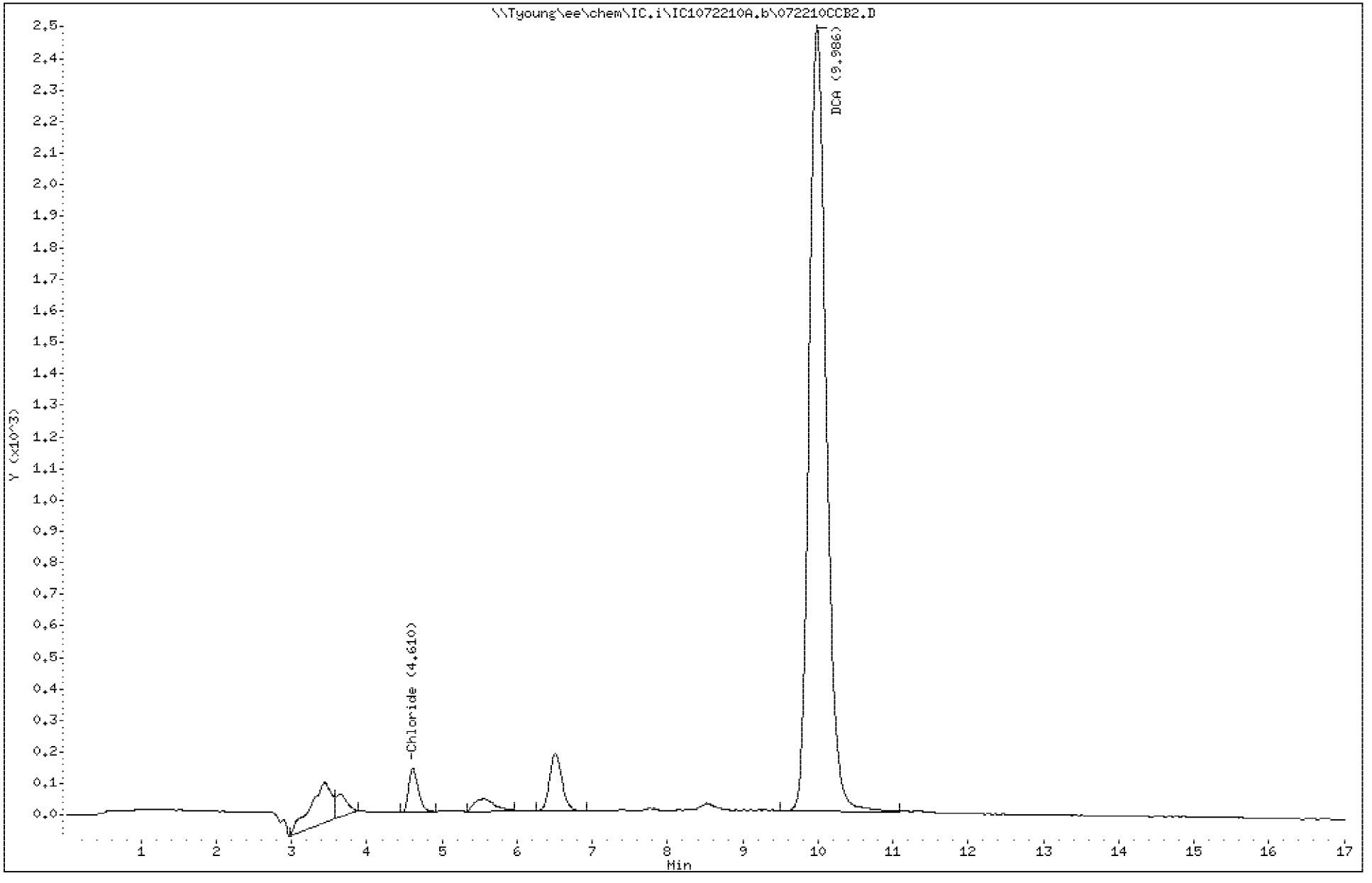
Instrument: IC.i

Sample Info: 072210CCB2

Operator: PEL

Column phase: AS18

Column diameter: 4.00



Raw Data Inorganics/Wet Chemistry

Alkalinity

PH Calibration		True Val	Read	Expires
IS	33478	4	4.01	3/25/2011
IS	29425	7	7	9/22/2010
IS	33479	10	10.05	12/25/2010

Analyst ggalvis

Date Time 8/2/2010 2:42:30 PM

pH Meter 1353764

Reagents:

Titrant: Sulfuric Acid(0.02N)

IS	35167	Exp	5/30/2013	

Spike Used

QC	IS	31854	Exp	9/1/2013	(2.0ml (spike) into 100ml DI Water = 50 ppm)
LCS	IS	32667	Exp	1/27/2014	(2.0ml (spike) into 100ml DI Water = 50 ppm)
MS / MSD	IS	32667	Exp	1/27/2014	(2.0ml (spike) into 100ml sample = 50 ppm)

BATCH_NUMBER 1301 **Method** 310.1 / SM2320B **Units** mg/l

DF	POS	HSN	Sample ID	Sample Type	Time	PH (Init)	PH (Final)	Tit (Initial)	Tit (Final)	Change	Conc	Spike	Perc Rec
	1	104159	42803CB	CB	03:00 PM	4.9	4.48	0	0.05	0.05	0.5 ✓	0	0
	2	104163	42807QC	QC	03:02 PM	9.78	4.49	0.05	4.7	4.65	46.5	50	93✓
	3	104162	42806MB	MB	03:05 PM	5.01	4.5	4.7	4.75	0.05	0.5 ✓	0	0
	4	104160	42804LCS	LCS	03:07 PM	9.91	4.34	4.75	9.3	4.55	45	50	90 ✓
	5	104161	42805LCSD	LCSD	03:10 PM	9.89	9.3	9.3	13.95	4.65	46	50	92 ✓
5	6	350023701	ST106-FD-10625-20072010	SAMPLE	03:14 PM	7.3	4.39	13.95	16.15	2.2	21.5	0	0
4	7	350023702	ST106-GW-10625-20072010	SAMPLE	03:17 PM	7.44	4.32	16.15	18.8	2.65	26	0	0
4	8	350023703	ST106-MS-10625-20072010	MS	03:20 PM	9.49	4.43	18.8	26.2	7.4	73.5	50	95 ✓
4	9	350023704	ST106-MSD-10625-20072010	MSD	03:23 PM	9.48	4.49	26.2	33.4	7.2	71.5	50	91 ✓

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DF
4

POS	HSN	Sample ID	Sample Type	Time	PH (Init)	PH (Final)	Tit (Initial)	Tit (Final)	Change	Conc	Spike	Perc Rec
10	350023705	ST106-GW-10626-20072010	SAMPLE	03:26 PM	7.16	4.35	33.4	35.6	2.2	21.5	0	0
11	350024202	ITS9210MA	SAMPLE	03:29 PM	5.27	4.5	35.9	37.1	1.2	11.5	0	0
12	350024203	B04547210MA	SAMPLE	03:33 PM	6.11	4.3	37	41	4	39.5	0	0
13	350024204	B04547210MAMS	MS	03:36 PM	7.87	4.36	0	8.4	8.4	83.5	50	88
14	350024205	B04547210MASD	MSD	03:39 PM	7.99	4.39	8.4	16.5	8.1	80.5	50	82
15	104164	42808MB	MB	03:41 PM	4.99	4.46	16.5	16.55	0.0500	0.5000 ✓	0	0

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STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31854	Sodium Carbonate			12/3/2011	1000 ML	12/3/2009	pconklin

COMPOSED OF:

28506:

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32667	Sodium_Carbonate			1/27/2011	1000 ML	1/27/2010	pconklin

COMPOSED OF:

32490:

Author: jharrington

SPECTRUM ANALYTICAL

Date : 7/23/2010

Original Run Filename: OM_7-19-2010_01-48-46PM.OMN Created: 7/19/2010 1:48:46 PM
Original Run Author's Signature: [slukasiewicz]
Current Run Filename: OM_7-23-2010_03-33-55PM-rev.omn Last Modified: 7/23/2010 4:24:54 PM
Current Run Author's Signature: [jharrington]
Description: ICV=29155 Trapping Solution - 33984
CCV=28733 Borate Buffer - 33817
Analyst=JH Sodium Nitroprusside - 35650
Ammonia by 4500-NH3-G / 350.1 Sodium EDTA - 35757
Sodium Phenolate - 35652
Sodium Hypochlorite - 35759
Carrier - 35758

Sample	Rep.	Cup No.	Channel 1 NH3-N Conc. (mg/L NH3-N)	Area (V.s)	Height (V)	Detection Time	ADF	MDF	Weight	Description
CalStd 20	1	S1	20.0	39.1	3.43	7/23/2010@3:35:09 PM				
CalStd 8	1	S1	8.00	16.0	1.39	7/23/2010@3:37:53 PM	2.50			
CalStd 2	1	S1	2.00	4.08	0.351	7/23/2010@3:40:26 PM	10.00			
CalStd 1	1	S1	1.00	2.07	0.178	7/23/2010@3:42:56 PM	20.00			
CalStd 0.4	1	S1	0.400	0.853	0.0732	7/23/2010@3:45:25 PM	50.00			
CalStd 0.2	1	S1	0.200	0.457	0.0385	7/23/2010@3:47:55 PM	100.00			
CalStd 0	1	3	0.00	0.0119	1.09e-3	7/23/2010@3:49:03 PM				
ICV 8.0	1	1	8.03	16.1	1.38	7/23/2010@3:50:12 PM				
		Known Conc:	8.00							
DQM Test: > + Percent Relative Difference										
		Result:	0.3 < 10.0							
		Message	Passed due to:							
		Action	...Rerun Peak Detection							
DQM Test: < - Percent Relative Difference										
		Result:	0.3 > -10.0							
		Message	Passed due to:							
		Action	...Rerun Peak Detection							
		Calibration:	Table/Fig. : 1							

Analyte Properties Table for : OM_7-23-2010_03-33-55PM-rev.omn

Property	Channel 1 NH3-N
Concentration Units	mg/L NH3-N
Calibration Fit Type	Second Order
Clear Calibration	Yes
Force through Zero	No
Calibration Weighting	1/x
Auto Dilution Trigger	Yes
% of High Standard	100
Quik Chem Method	10-107-06-1-C
Chemistry	Direct/Bipolar

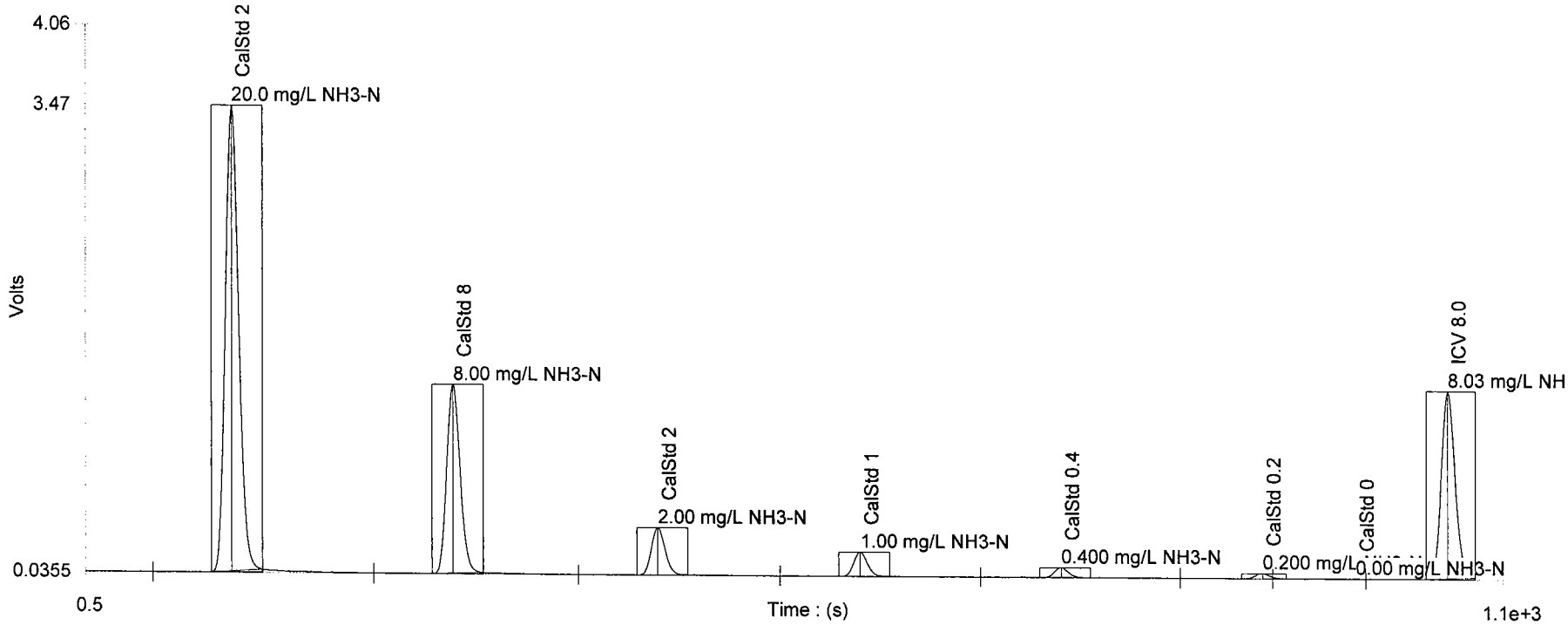
Author: jharrington

SPECTRUM ANALYTICAL

Date : 7/23/2010

Calibration by Height	No
Inject to Peak Start	44
Peak Base Width	39

Channel 1 - Current View



3500237

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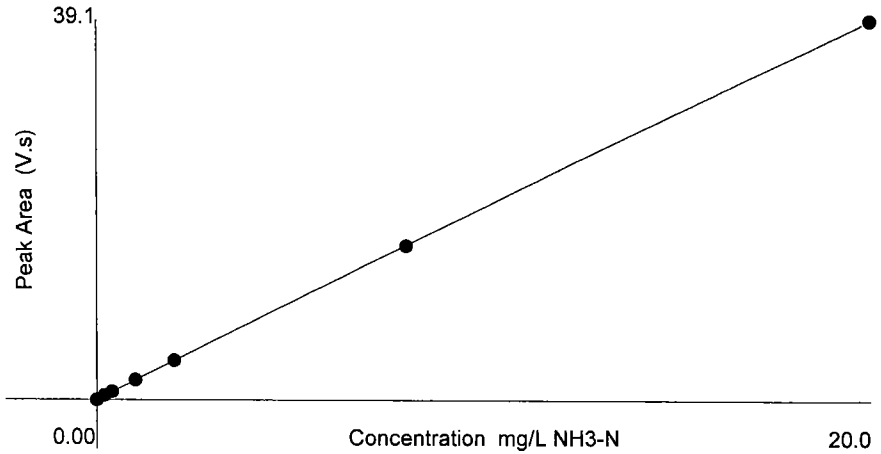
Table : 1 (NH3-N)

	Known Conc. (mg/L NH3-N)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L NH3-N)	Detection Date	Detection Time
1	20.0	1	39.1	3.43	0.0	-0.1	20.0	7/23/2010	3:35:09 PM
2	8.00	1	16.0	1.39	0.0	0.4	7.97	7/23/2010	3:37:53 PM
3	2.00	1	4.08	0.351	0.0	-0.2	2.00	7/23/2010	3:40:26 PM
4	1.00	1	2.07	0.178	0.0	-0.3	1.00	7/23/2010	3:42:56 PM
5	0.400	1	0.853	0.0732	0.0	-0.9	0.404	7/23/2010	3:45:25 PM
6	0.200	1	0.457	0.0385	0.0	-4.0	0.209	7/23/2010	3:47:55 PM
7	0.00	1	0.0119	1.09e-3			-0.0106	7/23/2010	3:49:03 PM

Figure : 1 (NH3-N)



Area = - 3.90e-3 * Conc^2 + 2.03 * Conc + 0.0339
Conc = 5.17e-4 * Area^2 + 0.492 * Area - 0.0164
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Author: jharrington

SPECTRUM ANALYTICAL

Date : 7/23/2010

Original Run Filename: OM_7-19-2010_01-48-46PM.OMN Created: 7/19/2010 1:48:46 PM
Original Run Author's Signature: [slukasiewicz]
Current Run Filename: OM_7-23-2010_03-54-51PM-rev.omn Last Modified: 7/23/2010 4:23:39 PM
Current Run Author's Signature: [jharrington]
Description: ICV=29155 Trapping Solution - 33984
CCV=28733 Borate Buffer - 33817
Analyst=JH Sodium Nitroprusside - 35650
Ammonia by 4500-NH3-G / 350.1 Sodium EDTA - 35757
Sodium Phenolate - 35652
Sodium Hypochlorite - 35759
Carrier - 35758

Sample	Rep.	Cup No.	Channel 1 NH3-N Conc. (mg/L NH3-N)	Area (V.s)	Height (V)	Detection Time	ADF	MDF	Weight	Description
ICV 8.0	1	1	7.97	16.0	1.37	7/23/2010@3:56:06 PM				
		Known Conc:	8.00							
DQM Test: > + Percent Relative Difference										
		Result:	-0.3 < 10.0							
		Message	Pass							
		Action								
DQM Test: < - Percent Relative Difference										
		Result:	-0.3 > -10.0							
		Message	Pass							
		Action								
		Calibration:	Table/Fig. : 1							
ICB	1	2	0.00 -9.46e-3	0.0142	1.03e-3	7/23/2010@3:58:57 PM				
		Known Conc:	0.00							
DQM Test: > + Concentration Limit										
		Result:	-9.46e-3 < 0.100							
		Message	Pass							
		Action								
DQM Test: < - Concentration Limit										
		Result:	-9.46e-3 > -0.100							
		Message	Pass							
		Action								
MB	1	3	0.00 -6.93e-3	0.0193	1.28e-3	7/23/2010@4:00:05 PM				
		Known Conc:	0.00							
DQM Test: > + Concentration Limit										
		Result:	-6.93e-3 < 0.100							
		Message	Pass							
		Action								
DQM Test: < - Concentration Limit										
		Result:	-6.93e-3 > -0.100							
		Message	Pass							
		Action								
LCS 8.0	1	4	7.97	16.0	1.38	7/23/2010@4:01:14 PM				

3500237

1400

		Known Conc:	8.00							
DQM Test: > + Percent Relative Difference										
		Result:	-0.4 < 10.0							
		Message	Pass							
		Action								
DQM Test: < - Percent Relative Difference										
		Result:	-0.4 > -10.0							
		Message	Pass							
		Action								
LCSD 8.0	1	5	7.89	15.8	1.36	7/23/2010@4:02:23 PM				
		Known Conc:	8.00							
DQM Test: > + Percent Relative Difference										
		Result:	-1.3 < 10.0							
		Message	Pass							
		Action								
DQM Test: < - Percent Relative Difference										
		Result:	-1.3 > -10.0							
		Message	Pass							
		Action								
350022801	1	6	0.0291	0.0926	6.70e-3	7/23/2010@4:03:33 PM				
350022802	1	7	0.0215	0.0771	4.85e-3	7/23/2010@4:04:40 PM				
350023701	1	8	0.0165	0.0669	4.94e-3	7/23/2010@4:05:49 PM				
350023702	1	9	0.0132	0.0601	4.62e-3	7/23/2010@4:06:56 PM				
350023703ms	1	10	8.36	16.7	1.39	7/23/2010@4:08:04 PM				
350023704msd	1	11	8.35	16.7	1.38	7/23/2010@4:09:13 PM				
350023705	1	12	0.0107	0.0552	4.35e-3	7/23/2010@4:10:21 PM				
350024801	1	13	0.0143	0.0625	4.91e-3	7/23/2010@4:11:28 PM				
350024802	1	14	0.0263	0.0869	6.82e-3	7/23/2010@4:12:35 PM				
CCV 8.0	1	15	7.98	16.0	1.35	7/23/2010@4:13:42 PM				
		Known Conc:	8.00							
DQM Test: > + Percent Relative Difference										
		Result:	-0.2 < 10.0							
		Message	Pass							
		Action								
DQM Test: < - Percent Relative Difference										
		Result:	-0.2 > -10.0							
		Message	Pass							
		Action								
CCB	1	16	-0.0105	0.0121	1.01e-3	7/23/2010@4:16:32 PM				
		Known Conc:	0.00							
DQM Test: > + Concentration Limit										
		Result:	-0.0105 < 0.100							
		Message	Pass							
		Action								
DQM Test: < - Concentration Limit										
		Result:	-0.0105 > -0.100							
		Message	Pass							
		Action								

Analyte Properties Table for : OM_7-23-2010_03-54-51PM-rev.omn

Property	Channel 1
	NH3-N
Concentration Units	mg/L NH3-N
Calibration Fit Type	Second Order
Clear Calibration	Yes
Force through Zero	No
Calibration Weighting	1/x
Auto Dilution Trigger	Yes
% of High Standard	100
Quik Chem Method	10-107-06-1-C
Chemistry	Direct/Bipolar
Calibration by Height	No
Inject to Peak Start	44
Peak Base Width	39

3500237

1402

Author: jharrington

SPECTRUM ANALYTICAL

Date : 7/23/2010

Channel 1 - Current View

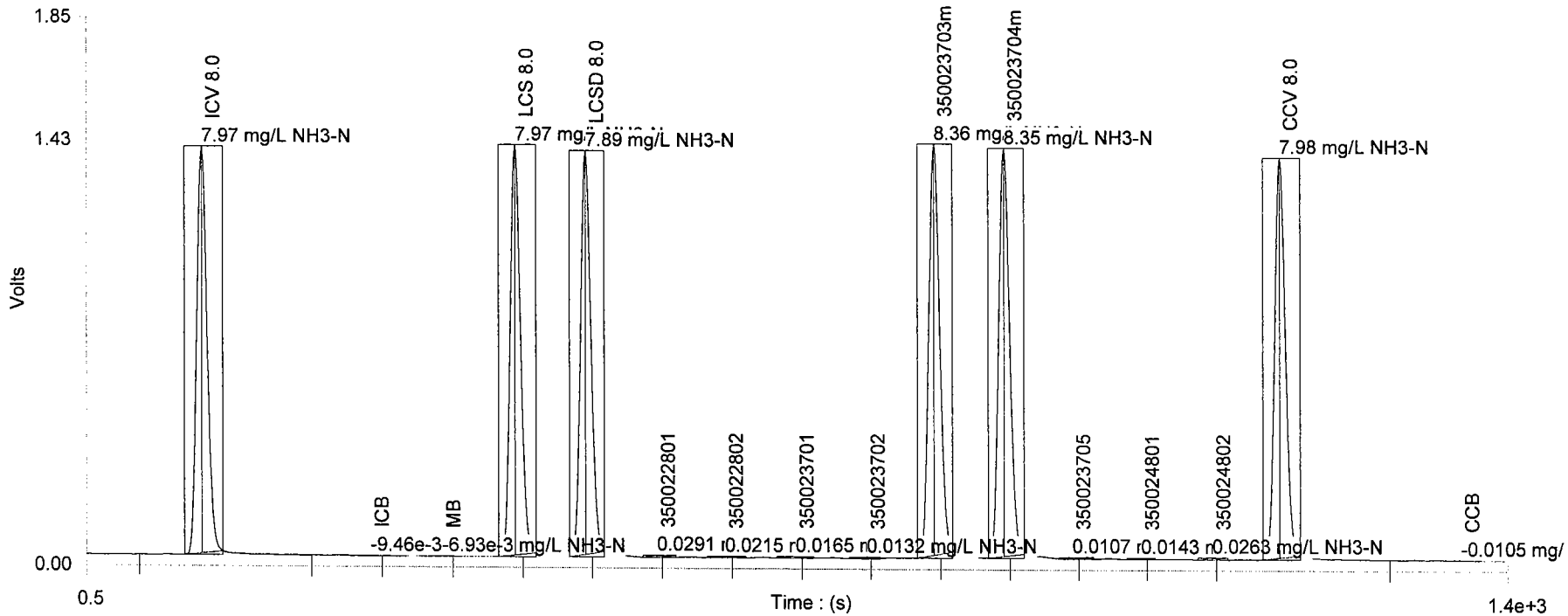


Table : 1 (NH3-N)

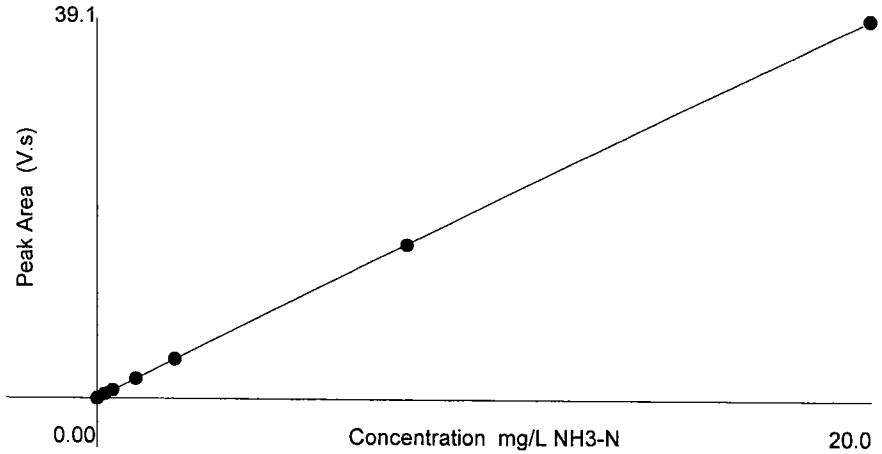
	Known Conc. (mg/L NH3-N)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L NH3-N)	Detection Date	Detection Time
1	20.0	1	39.1	3.43	0.0	-0.1	20.0	7/23/2010	3:35:09 PM
2	8.00	1	16.0	1.39	0.0	0.4	7.97	7/23/2010	3:37:53 PM
3	2.00	1	4.08	0.351	0.0	-0.2	2.00	7/23/2010	3:40:26 PM
4	1.00	1	2.07	0.178	0.0	-0.3	1.00	7/23/2010	3:42:56 PM
5	0.400	1	0.853	0.0732	0.0	-0.9	0.404	7/23/2010	3:45:25 PM
6	0.200	1	0.457	0.0385	0.0	-4.0	0.209	7/23/2010	3:47:55 PM
7	0.00	1	0.0119	1.09e-3			-0.0106	7/23/2010	3:49:03 PM

Author: jharrington

SPECTRUM ANALYTICAL

Date : 7/23/2010

Figure : 1 (NH3-N)



Area = - 3.90e-3 * Conc^2 + 2.03 * Conc + 0.0339
Conc = 5.17e-4 * Area^2 + 0.492 * Area - 0.0164
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

3500237

1404

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
28733	Nit_Std_STK	RICCA	8347	9/30/2010	500 ML	5/11/2009	pconklin
1 MG/ML: Ammonia as N							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29155	Nit_Std_STK	RICCA	2903688	9/30/2010	500 ML	6/4/2009	pconklin
1 MG/ML: Ammonia as N							

Sulfide

Analyst	ggalvis	**MB**	0	**IODINE**	0.025	**QC IS**	35764	**Exp**	7/27/2010
Units	mg/L	**SPIKE**	5	**TITRANT**	0.025	**LCS IS**	35765	**Exp**	7/27/2010

BATCH_NUMBER 1239 **Method** 376.1 / SM4500-S F **Run Date** 7/26/2010

POS	HSN	SAMPLE ID	SAMPLE TYPE	Time	Vol	dil factor	mls Iodine	mmol iodine	Init vol	Fin vol	vol titrant	mmol titrant	conc	Perc Rec	Perc RPD
1	102695	42168QC	QC	11:10	100	1	2	0.05	0	0.9	0.9	0.0225	4.41	88.2	
2	102694	42167MB	MB	11:14	100	1	1	0.025	0.9	1.9	1	0.025	0		
3	102692	42165LCS	LCS	11:16	100	1	2	0.05	1.9	2.5	0.6	0.015	5.61	112.2	
4	102693	42166LCSD	LCSD	11:19	100	1	2	0.05	2.5	3.2	0.7	0.0175	5.21	104.2	7.39
5	350023701	ST106-FD-10625-20072010	SAMPLE	11:25	100	1	1	0.025	3.2	4.05	0.85	0.02125	0.6		
6	350023702	ST106-GW-10625-20072010	SAMPLE	11:29	100	1	1	0.025	4.05	5	0.95	0.02375	0.2		
7	350023703	ST106-MS-10625-20072010	MS	11:35	100	1	3	0.075	5	6.7	1.7	0.0425	5.21	100.2	
8	350023704	ST106-MSD-10625-20072010	MSD	11:40	100	1	3	0.075	6.7	8.5	1.8	0.045	4.81	92.2	7.98
9	350023705	ST106-GW-10626-20072010	SAMPLE	11:44	100	1	1	0.025	8.5	9.4	0.9	0.0225	0.4		
10	350024202	ITS9210MA	SAMPLE	11:49	100	1	1	0.025	0	0.9	0.9	0.0225	0.4		
11	350024203	B04547210MA	SAMPLE	11:53	100	1	1	0.025	0.9	1.8	0.9	0.0225	0.4		
12	350024204	B04547210MAMS	MS	11:57	100	1	3	0.075	1.8	3.5	1.7	0.0425	5.21	96.2	
13	350024205	B04547210MASD	MSD	12:03	100	1	3	0.075	3.5	5.15	1.65	0.04125	5.41	100.2	3.76
14	350024801	ST106-GW-10623-21072010	SAMPLE	12:07	100	1	1	0.025	5.15	6	0.85	0.02125	0.6		

POS	HSN	SAMPLE ID	SAMPLE TYPE	Time	Vol	dil factor	mls Iodine	mmol iodine	Init vol	Fin vol	vol titrant	mmol titrant	conc	Perc Rec	Perc RPD
15	102696	42169MB	MB	12:10	100	1	1	0.025	6	7	1	0.025	0		
16	350024802	ST106-GW-10619-21072010	SAMPLE	12:12	100	1	1	0.025	7	7.85	0.85	0.02125	0.6		
17	350026101	B90D4210MA	SAMPLE	12:15	100	1	1	0.025	7.85	8.75	0.9	0.0225	0.4		
18	350026102	MW25210MA	SAMPLE	12:17	100	1	1	0.025	8.75	9.65	0.9	0.0225	0.4		
19	350026103	MW25210MAFD	SAMPLE	12:22	100	1	1	0.025	0	0.95	0.95	0.02375	0.2		
20	350026106	EB1210MA	SAMPLE	12:27	100	1	1	0.025	0.95	1.85	0.9	0.0225	0.4		
21	350026107	EB2210MA	SAMPLE	12:30	100	1	1	0.025	1.85	2.7	0.85	0.02125	0.6		
22	350026108	SB210MA	SAMPLE	12:34	100	1	1	0.025	2.7	3.6	0.9	0.0225	0.4		
23	102697	42170MB	MB	12:37	100	1	1	0.025	3.6	4.6	1	0.025	0		

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35764	Sulfide			7/27/2010	250 ML	7/26/2010	pconklin

COMPOSED OF:

32107: 33822:

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
35765	Sulfide LCS			7/27/2010	250 ML	7/26/2010	pconklin

COMPOSED OF:

28492: 33822:

End Of Report

110810 1443