PEL a division of Spectrum Analytical, Inc.

featuring HANIBAL TECHNOLOGY

Customer Name:	CH2M Hill
Date and Time Received:	12/12/2009 9:25:00 AM
Date Reported:	12/30/2009
Laboratory Submission Number/SDG:	2514463
Project:	KirtlandAFB/382698.02.FF.07.05

Samples: The submission consisted of 2 samples with sample identification shown in the attached data tables.

Tests: The samples were analyzed for the methods listed on the attached table of contents.

Results: See the attached data tables for results.

Distribution of Report to:

CH2M Hill
Attn: Daniel Moore
Phone: W (314)421-0313
F (414)454-8704

Respectfully Submitted,

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

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are fo 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

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EXECUTIVE SUMMARY - Detection Highlights

2514463

SAMPLE ID: ST106-GW-10625-12112009

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
1,2-Dibromoethane(EDB	0.060	0.020	UG/L	SW8011
TPH C10-C28	0.060 J	0.25	MG/L	SW8015B-E
TPH C6-C10	0.010 J	0.064	MG/L	SW8015B-V
Toluene	4.4	1.0	UG/L	SW8260B

SAMPLE ID: ST106-GW-10625-12112009

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TPH C10-C28	0.075 J	0.26	MG/L	SW8015B-E

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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: 2514463

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)

All acceptance criteria were met. Please note that:

LCS 121709LCSA31 was analyzed with the water samples on 12/17/09. The following analyte(s) were recovered above criteria: Carbon disulfide at 112 % with criteria of (56-104).

LCS 121709LCSA31D was analyzed with the water samples on 12/17/09. The following analyte(s) were recovered above criteria: Carbon disulfide at 106 % with criteria of (56-104).

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

No further action was required as ME criteria was met for this analyte. Samples coded accordingly.

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

No spikes requested by client.

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally. Client specified reporting limits were used.

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.

SIGNED: **DATE: 12/29/2009**

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CASE NARRATIVE

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 121709LCSA31 Analyte: Chloromethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 121709LCSA31D Analyte: Chloromethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV792590 Analyte: Chloromethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC790828 Analyte: Chloromethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD790806 Analyte: Chloromethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD790807 Analyte: Acetone Reason: Target peak was not integrated automatically by software generator
Calibration Sample: STD790807 Analyte: Chloromethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD790809 Analyte: Chloromethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD790812 Analyte: Chloromethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD790813 Analyte: Chloromethane 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.

CHEMIST: **DATE: 12/29/2009**

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CASE NARRATIVE

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

SECTION LEADER: **DATE:** **12/29/2009**

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VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Method: 8260

EPA Sample No	Lab Sample ID
ST-106-TB-12112009	251446301
ST106-GW-10625-12112009	251446302

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Sample Data

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST-106-TB-12112009

Lab Name: PEL, Spectrum Analytical, Inc Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 251446301 Lab File ID 46301.D

Sample wt/vol: 5 Units: ML Date Received: 12/12/09

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 12/17/09 Time: 1011

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*
75-71-8	Dichlorodifluoromethane	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	1	U
75-15-0	Carbon disulfide	2	U
75-09-2	Methylene chloride	5	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1.1	U
75-27-4	Bromodichloromethane	1	U

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Form I

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST-106-TB-12112009

Lab Name: PEL, Spectrum Analytical, Inc Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 251446301 Lab File ID 46301.D

Sample wt/vol: 5 Units: ML Date Received: 12/12/09

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 12/17/09 Time: 1011

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*
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.5	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U

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Form I

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST-106-TB-12112009

Lab Name: PEL, Spectrum Analytical, Inc Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 251446301 Lab File ID 46301.D

Sample wt/vol: 5 Units: ML Date Received: 12/12/09

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 12/17/09 Time: 1011

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*
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1.2	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	5	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-12112009

Lab Name: PEL, Spectrum Analytical, Inc Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 251446302 Lab File ID 46302.D

Sample wt/vol: 5 Units: ML Date Received: 12/12/09

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 12/17/09 Time: 1034

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*
75-71-8	Dichlorodifluoromethane	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	1	U
75-15-0	Carbon disulfide	2	U
75-09-2	Methylene chloride	5	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1.1	U
75-27-4	Bromodichloromethane	1	U

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Form I

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-12112009

Lab Name: PEL, Spectrum Analytical, Inc Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 251446302 Lab File ID 46302.D

Sample wt/vol: 5 Units: ML Date Received: 12/12/09

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 12/17/09 Time: 1034

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*
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	4.4	
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.5	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U

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Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-12112009

Lab Name: PEL, Spectrum Analytical, Inc Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 251446302 Lab File ID 46302.D

Sample wt/vol: 5 Units: ML Date Received: 12/12/09

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 12/17/09 Time: 1034

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*
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1.2	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	5	U

QC Summary

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1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

121709BLKA32

Lab Name: PEL, Spectrum Analytical Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 121709BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 12/17/09

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 12/17/09 Time: 0901

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*
75-71-8	Dichlorodifluoromethane	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	1	U
75-15-0	Carbon disulfide	2	U
75-09-2	Methylene chloride	5	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1.1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

121709BLKA32

Lab Name: PEL, Spectrum Analytical Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 121709BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 12/17/09

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 12/17/09 Time: 0901

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*
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.5	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

121709BLKA32

Lab Name: PEL, Spectrum Analytical Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 121709BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 12/17/09

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 12/17/09 Time: 0901

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*
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1.2	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	5	U

4

VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.

121709BLKA32

Lab Name: PEL, Spectrum Analytic Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Lab File ID: BLK32.D Lab Sample ID: 121709BLKA32

Instrument ID: VMS03 Date Extracted:

Matrix: WATER Date Analyzed: 12/17/09

Level:(low/med) LOW Time Analyzed: 0901

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	121709LCSA31	121709LCSA31	LCS31.D	12/17/09	0704
2	121709LCSA31D	121709LCSA31D	LCS31D.D	12/17/09	0728
3	ST-106-TB-12112009	251446301	46301.D	12/17/09	1011
4	ST106-GW-10625-12112009	251446302	46302.D	12/17/09	1034

COMMENTS:

Page 1 of 1

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Form IV

2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. _____ SAS No: _____ SDG NO.: 2514463

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

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
121709BLKA32	105.0	105.0	103.0	107.0			0
121709LCSA31	103.0	103.0	103.0	108.0			0
121709LCSA31D	107.0	106.0	103.0	107.0			0
ST106-GW-10625-12112009	106.0	107.0	105.0	109.0			0
ST-106-TB-12112009	102.0	103.0	102.0	105.0			0

Control Limits

S1	=	Dibromofluoromethane	77 -	119
S2	=	Toluene d8	83 -	125
S3	=	4-Bromofluorobenzene	78 -	118
S4	=	1,2-Dichloroethane-d4	70 -	127

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: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Lab File ID: BFB31.D BFB Injection Date: 12/15/09

Instrument ID: VMS03 BFB Injection Time: 0549

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	23.7	
75	30.0 - 60.0% of mass 95	52.5	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	7.4	
173	Less than 2.0% of mass 174	0	(0)1
174	50.0 - 100.0% of mass 95	61.8	
175	5.0 - 9.0% of mass 174	4.9	(8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	59.4	(96.2)1
177	5.0 - 9.0% of mass 176	4.2	(7.1)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	STD790805	200PPT	200PPT.D	12/15/09	0618
2	STD790808	500PPT	500PPT.D	12/15/09	0641
3	STD790804	1PPB	1PPB.D	12/15/09	0705
4	STD790807	2PPB	2PPB.D	12/15/09	0728
5	STD790810	5PPB	5PPB.D	12/15/09	0752
6	STD790797	10PPB	10PPB.D	12/15/09	0815
7	STD790806	20PPB	20PPB.D	12/15/09	0839
8	STD790813	80PPB	80PPB.D	12/15/09	0947
9	STD790812	60PPB	60PPBR.D	12/15/09	1042
10	STD790809	50PPB	50PPBR.D	12/15/09	1108
11	SSC790828	SEC31	SEC31.D	12/15/09	1213

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

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Lab File ID: BFB31.D BFB Injection Date: 12/17/09

Instrument ID: VMS03 BFB Injection Time: 0438

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	21.4	
75	30.0 - 60.0% of mass 95	50.4	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0	(0)1
174	50.0 - 100.0% of mass 95	67.3	
175	5.0 - 9.0% of mass 174	5.1	(7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	64.2	(95.5)1
177	5.0 - 9.0% of mass 176	4.2	(6.5)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	CCV792590	121709CCVA32	50CCV32.D	12/17/09	0528
2	121709LCSA31	121709LCSA31	LCS31.D	12/17/09	0704
3	121709LCSA31D	121709LCSA31	LCS31D.D	12/17/09	0728
4	121709BLKA32	121709BLKA32	BLK32.D	12/17/09	0901
5	ST-106-TB-12112009	251446301	46301.D	12/17/09	1011
6	ST106-GW-10625-12112009	251446302	46302.D	12/17/09	1034

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : SA Case No.: SAS No: SDG No.: 2514463

Lab File ID (Standard): 50PPBR.D Date Analyzed: 12/15/2009

Instrument ID: VMS03 Time Analyzed: 11:08

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	2294514		10.44	1136750		12.86	3238256		7.12
	UPPER LIMIT	4589028		10.94	2273500		13.36	6476512		7.62
	LOWER LIMIT	1147257		9.94	568375		12.36	1619128		6.62
	EPA SAMPLE NO.									
1	121709LCSA31	2414310		10.44	1210421		12.86	3389155		7.12
2	121709LCSA31D	2401544		10.44	1220311		12.86	3360981		7.12
3	121709BLKA32	2447172		10.44	1190163		12.86	3398552		7.12
4	ST-106-TB-12112009	2451664		10.44	1196097		12.86	3474882		7.12
5	ST106-GW-10625-12112009	2447689		10.44	1189260		12.86	3410641		7.12

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

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VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

121709LCSA31

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	20.2	101.0		24.0	56 - 140
Chloromethane	20	21.5	108.0		24.0	46 - 142
Vinyl chloride	20	19.4	97.0		24.0	49 - 136
Bromomethane	20	19.6	98.0		24.0	42 - 154
Chloroethane	20	19.4	97.0		25.0	51 - 133
Trichlorofluoromethane	20	21.7	108.0		20.0	65 - 190
1,1-Dichloroethene	20	21	105.0		20.0	66 - 133
Carbon disulfide	20	22.3	112.0 *		20.0	56 - 104
Methylene chloride	20	20.3	102.0		20.0	71 - 119
trans-1,2-Dichloroethene	20	22	110.0		20.0	80 - 120
1,1-Dichloroethane	20	21.7	108.0		21.0	77 - 117
Acetone	40	46.9	117.0		41.0	48 - 130
2,2-Dichloropropane	20	19.8	99.0		24.0	72 - 128
cis-1,2-Dichloroethene	20	21.4	107.0		20.0	75 - 115
Bromochloromethane	20	21	105.0		20.0	78 - 118
2-Butanone	40	46.7	117.0		32.0	57 - 120
Chloroform	20	21.2	106.0		20.0	78 - 118
1,1,1-Trichloroethane	20	21.5	108.0		20.0	78 - 118
Carbon tetrachloride	20	20.4	102.0		21.0	80 - 120
1,1-Dichloropropene	20	22.6	113.0		21.0	75 - 115
Benzene	20	20.9	104.0		20.0	77 - 118
1,2-Dichloroethane	20	20.2	101.0		34.0	74 - 120
Trichloroethene	20	21.1	106.0		20.0	78 - 122
1,2-Dichloropropane	20	20.7	104.0		20.0	76 - 116
Dibromomethane	20	21.2	106.0		20.0	77 - 117
Bromodichloromethane	20	21	105.0		20.0	78 - 118
cis-1,3-Dichloropropene	20	20.7	104.0		20.0	76 - 113
4-Methyl-2-pentanone	40	42.8	107.0		22.0	65 - 118
Toluene	20	21.4	107.0		20.0	73 - 120
trans-1,3-Dichloropropene	20	19.6	98.0		37.0	72 - 117
1,1,2-Trichloroethane	20	20.2	101.0		21.0	76 - 116
Tetrachloroethene	20	21.6	108.0		20.0	77 - 117

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

301209 1732

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

121709LCSA31

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	20	19.7	98.5		20.0	75 - 115
2-Hexanone	40	48.5	121.0		25.0	57 - 121
Dibromochloromethane	20	20.8	104.0		20.0	76 - 116
1,2-Dibromoethane(EDB)	20	20.8	104.0		20.0	77 - 117
Chlorobenzene	20	20.9	104.0		20.0	78 - 118
1,1,1,2-Tetrachloroethane	20	20.8	104.0		20.0	77 - 117
Ethylbenzene	20	21.5	108.0		26.0	78 - 118
p,m-Xylene	40	40.7	102.0		20.0	78 - 118
o-Xylene	20	21	105.0		20.0	77 - 117
Styrene	20	21.8	109.0		20.0	77 - 117
Bromoform	20	17	85.0		21.0	74 - 121
Isopropylbenzene (Cumene)	20	21.7	108.0		20.0	71 - 113
Bromobenzene	20	20.5	102.0		20.0	75 - 115
1,1,2,2-Tetrachloroethane	20	19.6	98.0		20.0	73 - 119
1,2,3-Trichloropropane	20	20.1	100.0		23.0	84 - 118
n-Propylbenzene	20	21.9	110.0		20.0	76 - 116
2-Chlorotoluene	20	21.4	107.0		20.0	76 - 116
4-Chlorotoluene	20	21.1	106.0		20.0	78 - 118
1,3,5-Trimethylbenzene	20	21.8	109.0		20.0	77 - 117
tert-Butylbenzene	20	22.7	114.0		21.0	76 - 116
1,2,4-Trimethylbenzene	20	21.7	108.0		20.0	77 - 120
sec-Butylbenzene	20	22.1	110.0		21.0	80 - 120
1,3-Dichlorobenzene	20	20.7	104.0		20.0	75 - 115
1,4-Dichlorobenzene	20	20.9	104.0		23.0	77 - 117
4-Isopropyltoluene	20	22.2	111.0		20.0	76 - 113
n-Butylbenzene	20	23	115.0		21.0	76 - 117
1,2-Dichlorobenzene	20	20.7	104.0		20.0	76 - 116
1,2-Dibromo-3-chloropropane	20	20	100.0		22.0	65 - 117
1,2,4-Trichlorobenzene	20	22.1	110.0		25.0	73 - 121
Hexachlorobutadiene	20	22.3	112.0		25.0	73 - 123
Naphthalene	20	23	115.0		32.0	62 - 121
1,2,3-Trichlorobenzene	20	21.9	110.0		29.0	66 - 123

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.

121709LCSA31

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Xylene (total)	60	61.7	103.0		20.0	77 - 117
MTBE	20	18.8	94.0		21.0	58 - 116

Spike Recovery: 1 out of 66 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.

121709LCSA31D

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	19.6	98.0	3.0	24.0	56 - 140
Chloromethane	20	20.5	102.0	4.8	24.0	46 - 142
Vinyl chloride	20	17.6	88.0	9.7	24.0	49 - 136
Bromomethane	20	18.6	93.0	5.2	24.0	42 - 154
Chloroethane	20	17.8	89.0	8.6	25.0	51 - 133
Trichlorofluoromethane	20	20.4	102.0	6.2	20.0	65 - 190
1,1-Dichloroethene	20	19.7	98.5	6.4	20.0	66 - 133
Carbon disulfide	20	21.3	106.0 *	4.6	20.0	56 - 104
Methylene chloride	20	18.8	94.0	7.7	20.0	71 - 119
trans-1,2-Dichloroethene	20	20.3	102.0	8.0	20.0	80 - 120
1,1-Dichloroethane	20	20.4	102.0	6.2	21.0	77 - 117
Acetone	40	42.3	106.0	10.3	41.0	48 - 130
2,2-Dichloropropane	20	18.3	91.5	7.9	24.0	72 - 128
cis-1,2-Dichloroethene	20	20	100.0	6.8	20.0	75 - 115
Bromochloromethane	20	20.5	102.0	2.4	20.0	78 - 118
2-Butanone	40	44.8	112.0	4.2	32.0	57 - 120
Chloroform	20	20.3	102.0	4.3	20.0	78 - 118
1,1,1-Trichloroethane	20	20.2	101.0	6.2	20.0	78 - 118
Carbon tetrachloride	20	19.7	98.5	3.5	21.0	80 - 120
1,1-Dichloropropene	20	20.8	104.0	8.3	21.0	75 - 115
Benzene	20	19.8	99.0	5.4	20.0	77 - 118
1,2-Dichloroethane	20	19.5	97.5	3.5	34.0	74 - 120
Trichloroethene	20	20.1	100.0	4.9	20.0	78 - 122
1,2-Dichloropropane	20	19.8	99.0	4.4	20.0	76 - 116
Dibromomethane	20	19.9	99.5	6.3	20.0	77 - 117
Bromodichloromethane	20	19.9	99.5	5.4	20.0	78 - 118
cis-1,3-Dichloropropene	20	19.7	98.5	5.0	20.0	76 - 113
4-Methyl-2-pentanone	40	39	97.5	9.3	22.0	65 - 118
Toluene	20	20.4	102.0	4.8	20.0	73 - 120
trans-1,3-Dichloropropene	20	19	95.0	3.1	37.0	72 - 117
1,1,2-Trichloroethane	20	19.6	98.0	3.0	21.0	76 - 116
Tetrachloroethene	20	20	100.0	7.7	20.0	77 - 117

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

301209 1732

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

121709LCSA31D

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	20	18.7	93.5	5.2	20.0	75 - 115
2-Hexanone	40	43.1	108.0	11.8	25.0	57 - 121
Dibromochloromethane	20	19.5	97.5	6.5	20.0	76 - 116
1,2-Dibromoethane(EDB)	20	19.4	97.0	7.0	20.0	77 - 117
Chlorobenzene	20	19.7	98.5	5.9	20.0	78 - 118
1,1,1,2-Tetrachloroethane	20	19.2	96.0	8.0	20.0	77 - 117
Ethylbenzene	20	20.3	102.0	5.7	26.0	78 - 118
p,m-Xylene	40	38.6	96.5	5.3	20.0	78 - 118
o-Xylene	20	19.9	99.5	5.4	20.0	77 - 117
Styrene	20	20.5	102.0	6.1	20.0	77 - 117
Bromoform	20	17	85.0	0.0	21.0	74 - 121
Isopropylbenzene (Cumene)	20	19.9	99.5	8.7	20.0	71 - 113
Bromobenzene	20	19.3	96.5	6.0	20.0	75 - 115
1,1,2,2-Tetrachloroethane	20	18.2	91.0	7.4	20.0	73 - 119
1,2,3-Trichloropropane	20	19.3	96.5	4.1	23.0	84 - 118
n-Propylbenzene	20	20.5	102.0	6.6	20.0	76 - 116
2-Chlorotoluene	20	19.8	99.0	7.8	20.0	76 - 116
4-Chlorotoluene	20	19.7	98.5	6.9	20.0	78 - 118
1,3,5-Trimethylbenzene	20	20.5	102.0	6.1	20.0	77 - 117
tert-Butylbenzene	20	20.9	104.0	8.3	21.0	76 - 116
1,2,4-Trimethylbenzene	20	20.2	101.0	7.2	20.0	77 - 120
sec-Butylbenzene	20	20.5	102.0	7.5	21.0	80 - 120
1,3-Dichlorobenzene	20	19.6	98.0	5.5	20.0	75 - 115
1,4-Dichlorobenzene	20	19.3	96.5	8.0	23.0	77 - 117
4-Isopropyltoluene	20	20.8	104.0	6.5	20.0	76 - 113
n-Butylbenzene	20	21.7	108.0	5.8	21.0	76 - 117
1,2-Dichlorobenzene	20	19.4	97.0	6.5	20.0	76 - 116
1,2-Dibromo-3-chloropropane	20	18.8	94.0	6.2	22.0	65 - 117
1,2,4-Trichlorobenzene	20	20.4	102.0	8.0	25.0	73 - 121
Hexachlorobutadiene	20	21	105.0	6.0	25.0	73 - 123
Naphthalene	20	21	105.0	9.1	32.0	62 - 121
1,2,3-Trichlorobenzene	20	20.2	101.0	8.1	29.0	66 - 123

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.

121709LCSA31D

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Xylene (total)	60	58.5	97.5	5.3	20.0	77 - 117
MTBE	20	17.6	88.0	6.6	21.0	58 - 116

Spike Recovery: 1 out of 66 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

Standards Data

301209 1732

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: VMS03 Calibration Date Begin: 12/15/09 End: 12/15/09

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 618 End: 1108

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

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

COMPOUND		RRF0.2	RRF0.5	RRF1	RRF2	RRF5	$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane				0.239	0.228	0.236			
Chloromethane	#		0.220	0.173	0.211	0.157			#
Vinyl chloride	*		0.315	0.197	0.209	0.223			*
Bromomethane				0.137	0.110	0.115			
Chloroethane				0.129	0.116	0.131			
Trichlorofluoromethane				0.220	0.213	0.243			
1,1-Dichloroethene	*		0.492	0.426	0.351	0.360			*
Carbon disulfide				0.885	0.697	0.735			
Methylene chloride				0.624	0.494	0.479			
trans-1,2-Dichloroethene			0.509	0.428	0.399	0.398			
1,1-Dichloroethane	#			0.613	0.498	0.523			#
Acetone					0.120	0.130			
2,2-Dichloropropane				0.220	0.184	0.199			
cis-1,2-Dichloroethene			0.316	0.310	0.253	0.265			
Bromochloromethane				0.303	0.265	0.263			
2-Butanone					0.156	0.148			
Chloroform	*	0.475	0.499	0.508	0.408	0.423			*
1,1,1-Trichloroethane				0.279	0.251	0.271			
Carbon tetrachloride			0.251	0.184	0.181	0.178			
1,1-Dichloropropene				0.367	0.293	0.320			
Benzene		1.331	1.312	1.244	1.031	1.049			
1,2-Dichloroethane			0.374	0.409	0.361	0.360			
Trichloroethene			0.273	0.260	0.208	0.215			
1,2-Dichloropropane	*		0.329	0.350	0.275	0.296			*
Dibromomethane				0.159	0.132	0.140			
Bromodichloromethane			0.316	0.300	0.266	0.273			
cis-1,3-Dichloropropene			0.341	0.397	0.325	0.341			
4-Methyl-2-pentanone					0.092	0.090			
Toluene	*		0.692	0.732	0.578	0.613			*
trans-1,3-Dichloropropene				0.289	0.234	0.258			
1,1,2-Trichloroethane				0.226	0.208	0.197			
Tetrachloroethene			0.283	0.248	0.182	0.196			
1,3-Dichloropropane		0.599	0.625	0.643	0.523	0.522			
2-Hexanone					0.273	0.257			

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: VMS03 Calibration Date Begin: 12/15/09 End: 12/15/09

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 618 End: 1108

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

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

COMPOUND	RRF0.2	RRF0.5	RRF1	RRF2	RRF5	$\overline{RRF}$	%RSD OR R^2
Dibromochloromethane		0.243	0.222	0.187	0.203		
1,2-Dibromoethane(EDB)			0.294	0.243	0.260		
Chlorobenzene #		0.979	1.047	0.815	0.824		#
1,1,1,2-Tetrachloroethane		0.231	0.256	0.189	0.211		
Ethylbenzene *		0.573	0.518	0.428	0.462		*
p,m-Xylene	0.854	0.740	0.680	0.560	0.574		
o-Xylene		1.513	1.551	1.268	1.263		
Styrene			0.940	0.822	0.855		
Bromoform #			0.121	0.090	0.091		#
Isopropylbenzene (Cumene)			3.314	2.625	2.673		
Bromobenzene			1.831	1.556	1.564		
1,1,2,2-Tetrachloroethane #	0.836	0.770	0.858	0.728	0.729		#
1,2,3-Trichloropropane			0.210	0.197	0.207		
n-Propylbenzene			3.820	3.163	3.263		
2-Chlorotoluene			2.950	2.335	2.466		
4-Chlorotoluene			2.837	2.392	2.393		
1,3,5-Trimethylbenzene			2.635	2.214	2.331		
tert-Butylbenzene			2.271	1.654	1.961		
1,2,4-Trimethylbenzene			2.910	2.384	2.470		
sec-Butylbenzene			2.792	2.317	2.508		
1,3-Dichlorobenzene		1.389	1.563	1.212	1.237		
1,4-Dichlorobenzene		1.484	1.502	1.222	1.233		
4-Isopropyltoluene			2.241	1.829	1.939		
n-Butylbenzene			1.946	1.613	1.713		
1,2-Dichlorobenzene		1.246	1.354	1.166	1.143		
1,2-Dibromo-3-chloropropane				0.075	0.087		
1,2,4-Trichlorobenzene			0.676	0.505	0.498		
Hexachlorobutadiene		0.183	0.160	0.102	0.112		
Naphthalene			1.364	1.259	1.270		
1,2,3-Trichlorobenzene			0.509	0.450	0.457		
MTBE			0.712	0.590	0.606		
Dibromofluoromethane(SURR)					0.216		
Toluene d8(SURR)					0.846		

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: VMS03 Calibration Date Begin: 12/15/09 End: 12/15/09

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 618 End: 1108

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

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

COMPOUND	RRF0.2	RRF0.5	RRF1	RRF2	RRF5	$\overline{RRF}$	%RSD OR R^2
4-Bromofluorobenzene(SURR)					0.958		
1,2-Dichloroethane-d4(SURR)					0.051		

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: VMS03 Calibration Date Begin: 12/15/09 End: 12/15/09

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 618 End: 1108

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

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

COMPOUND		RRF10	RRF20	RRF50	RRF60	RRF80	$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane		0.274	0.281	0.321	0.305	0.281	0.27069	12.5	
Chloromethane	#	0.166	0.201	0.218	0.203	0.215	0.19596	12.3	#
Vinyl chloride	*	0.236	0.226	0.255	0.258	0.229	0.23874	14.5	*
Bromomethane		0.120	0.115	0.138	0.138	0.130	0.12548	9.3	
Chloroethane		0.126	0.128	0.154	0.154	0.149	0.13586	10.5	
Trichlorofluoromethane		0.256	0.259	0.287	0.286	0.273	0.2546	11	
1,1-Dichloroethene	*	0.445	0.371	0.407	0.413	0.405	0.4078	10.8	*
Carbon disulfide		0.913	0.782	0.843	0.854	0.842	0.81884	9.1	
Methylene chloride		0.555	0.453	0.483	0.487	0.471	0.50559	11.2	
trans-1,2-Dichloroethene		0.493	0.420	0.456	0.457	0.446	0.44515	8.7	
1,1-Dichloroethane	#	0.614	0.538	0.574	0.587	0.565	0.5638	7.4	#
Acetone		0.135	0.110	0.107	0.111	0.118	0.119	0.99572	
2,2-Dichloropropane		0.231	0.211	0.267	0.261	0.238	0.22629	12.8	
cis-1,2-Dichloroethene		0.317	0.272	0.297	0.297	0.290	0.29077	7.9	
Bromochloromethane		0.319	0.276	0.287	0.305	0.304	0.29011	7.1	
2-Butanone		0.177	0.146	0.131	0.131	0.154	0.14922	10.5	
Chloroform	*	0.494	0.437	0.472	0.472	0.460	0.4647	7.1	*
1,1,1-Trichloroethane		0.324	0.289	0.328	0.323	0.320	0.2982	9.8	
Carbon tetrachloride		0.214	0.199	0.253	0.246	0.245	0.21684	15	
1,1-Dichloropropene		0.398	0.339	0.375	0.369	0.367	0.35342	9.6	
Benzene		1.253	1.064	1.135	1.118	1.104	1.16418	9.6	
1,2-Dichloroethane		0.417	0.359	0.371	0.371	0.370	0.37698	5.6	
Trichloroethene		0.259	0.225	0.245	0.240	0.238	0.24026	9	
1,2-Dichloropropane	*	0.353	0.303	0.323	0.319	0.316	0.31826	7.8	*
Dibromomethane		0.174	0.143	0.152	0.151	0.151	0.15031	8.4	
Bromodichloromethane		0.330	0.293	0.323	0.324	0.321	0.30508	7.7	
cis-1,3-Dichloropropene		0.409	0.366	0.412	0.404	0.400	0.37744	9	
4-Methyl-2-pentanone		0.108	0.090	0.090	0.091	0.091	0.09306	6.9	
Toluene	*	0.710	0.615	0.659	0.644	0.636	0.65317	7.7	*
trans-1,3-Dichloropropene		0.309	0.283	0.334	0.333	0.336	0.297	12.8	
1,1,2-Trichloroethane		0.227	0.201	0.204	0.201	0.203	0.2082	5.6	
Tetrachloroethene		0.245	0.210	0.230	0.226	0.223	0.2269	13.3	
1,3-Dichloropropane		0.613	0.534	0.537	0.532	0.534	0.56615	8.4	
2-Hexanone		0.308	0.262	0.251	0.254	0.289	0.27047	7.7	

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: VMS03 Calibration Date Begin: 12/15/09 End: 12/15/09

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 618 End: 1108

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

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

COMPOUND		RRF10	RRF20	RRF50	RRF60	RRF80	$\overline{RRF}$	%RSD OR R^2	
Dibromochloromethane		0.247	0.229	0.265	0.264	0.270	0.23654	12.2	
1,2-Dibromoethane(EDB)		0.315	0.266	0.272	0.270	0.269	0.27366	7.9	
Chlorobenzene	#	0.997	0.858	0.902	0.884	0.861	0.90744	9	#
1,1,1,2-Tetrachloroethane		0.251	0.232	0.269	0.268	0.267	0.24153	11.5	
Ethylbenzene	*	0.552	0.468	0.505	0.494	0.486	0.4984	9	*
p,m-Xylene		0.691	0.590	0.618	0.607	0.587	0.64988	14.2	
o-Xylene		1.524	1.308	1.379	1.349	1.321	1.38604	8.2	
Styrene		1.086	0.922	0.974	0.969	0.951	0.93981	8.5	
Bromoform	#	0.118	0.112	0.136	0.134	0.140	0.11766	0.998	#
Isopropylbenzene (Cumene)		3.197	2.772	2.943	2.871	2.691	2.88578	8.8	
Bromobenzene		1.821	1.551	1.629	1.600	1.412	1.62049	8.7	
1,1,2,2-Tetrachloroethane	#	0.857	0.734	0.709	0.700	0.695	0.76162	8.5	#
1,2,3-Trichloropropane		0.227	0.196	0.189	0.188	0.190	0.20048	6.7	
n-Propylbenzene		3.978	3.412	3.615	3.501	3.296	3.50614	8.1	
2-Chlorotoluene		2.901	2.502	2.603	2.507	2.407	2.58392	8.7	
4-Chlorotoluene		2.728	2.382	2.539	2.484	2.331	2.5107	7.2	
1,3,5-Trimethylbenzene		2.799	2.398	2.543	2.450	2.295	2.45815	7.9	
tert-Butylbenzene		2.381	1.758	2.169	2.095	1.776	2.00801	13.1	
1,2,4-Trimethylbenzene		2.881	2.532	2.634	2.572	2.412	2.59936	7.7	
sec-Butylbenzene		3.007	2.615	2.778	2.692	2.519	2.65347	8	
1,3-Dichlorobenzene		1.410	1.260	1.309	1.284	1.229	1.32144	8.6	
1,4-Dichlorobenzene		1.425	1.269	1.326	1.305	1.242	1.33426	8.2	
4-Isopropyltoluene		2.350	2.102	2.235	2.166	2.000	2.10774	8.3	
n-Butylbenzene		2.168	1.919	2.093	2.006	1.848	1.9133	9.7	
1,2-Dichlorobenzene		1.328	1.181	1.211	1.200	1.127	1.21733	6.5	
1,2-Dibromo-3-chloropropane		0.103	0.093	0.104	0.100	0.104	0.09521	11.5	
1,2,4-Trichlorobenzene		0.641	0.572	0.614	0.580	0.566	0.58155	10.6	
Hexachlorobutadiene		0.144	0.129	0.142	0.134	0.123	0.13644	0.99367	
Naphthalene		1.553	1.403	1.458	1.407	1.424	1.39238	6.9	
1,2,3-Trichlorobenzene		0.517	0.486	0.492	0.476	0.467	0.4817	4.9	
MTBE		0.762	0.640	0.682	0.683	0.685	0.66995	8.4	
==========									
Dibromofluoromethane(SURR)		0.222	0.208	0.198	0.194	0.212	0.20826	5.1	
Toluene d8(SURR)		0.850	0.817	0.743	0.737	0.772	0.79412	6.3	

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: VMS03 Calibration Date Begin: 12/15/09 End: 12/15/09

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 618 End: 1108

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

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

COMPOUND	RRF10	RRF20	RRF50	RRF60	RRF80	$\overline{RRF}$	%RSD OR R^2
4-Bromofluorobenzene(SURR)	0.911	0.873	0.838	0.821	0.847	0.87475	5.9
1,2-Dichloroethane-d4(SURR)	0.056	0.053	0.048	0.047	0.053	0.05133	6.6

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FORM VI

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: VMS03 CalibrationDate: 12/15/09 Time: 1213

CCV ID: SSC790828 Lab File ID: SEC31.D Init. Calib. Date Begin: 12/15/09 End: 12/15/09

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		0.27069	0.31213	15.3	AVRG	
Chloromethane	#	0.19596	0.2007	2.4	AVRG #	
Vinyl chloride	*	0.23874	0.26714	11.9	AVRG *	
Bromomethane		0.12548	0.14556	16.0	AVRG	
Chloroethane		0.13586	0.15929	17.2	AVRG	
Trichlorofluoromethane		0.2546	0.29808	17.1	AVRG	
1,1-Dichloroethene	*	0.4078	0.42308	3.7	AVRG *	
Carbon disulfide		0.81884	0.86462	5.6	AVRG	
Methylene chloride		0.50559	0.4982	1.5	AVRG	
trans-1,2-Dichloroethene		0.44515	0.46331	4.1	AVRG	
1,1-Dichloroethane	#	0.5638	0.58904	4.5	AVRG #	
Acetone		100	99.8	0.2	LINR	
2,2-Dichloropropane		0.22629	0.26931	19.0	AVRG	
cis-1,2-Dichloroethene		0.29077	0.29842	2.6	AVRG	
Bromochloromethane		0.29011	0.30144	3.9	AVRG	
2-Butanone		0.14922	0.13474	9.7	AVRG	
Chloroform	*	0.4647	0.47392	2.0	AVRG *	
1,1,1-Trichloroethane		0.2982	0.33353	11.8	AVRG	
Carbon tetrachloride		0.21684	0.26094	20.3	AVRG	<-
1,1-Dichloropropene		0.35342	0.38296	8.4	AVRG	
Benzene		1.16418	1.145	1.6	AVRG	
1,2-Dichloroethane		0.37698	0.37753	0.1	AVRG	
Trichloroethene		0.24026	0.24387	1.5	AVRG	
1,2-Dichloropropane	*	0.31826	0.32276	1.4	AVRG *	
Dibromomethane		0.15031	0.15203	1.1	AVRG	
Bromodichloromethane		0.30508	0.33279	9.1	AVRG	
cis-1,3-Dichloropropene		0.37744	0.40865	8.3	AVRG	
4-Methyl-2-pentanone		0.09306	0.09123	2.0	AVRG	
Toluene	*	0.65317	0.6552	0.3	AVRG *	
trans-1,3-Dichloropropene		0.297	0.33915	14.2	AVRG	
1,1,2-Trichloroethane		0.2082	0.2056	1.2	AVRG	
Tetrachloroethene		0.2269	0.23292	2.7	AVRG	
1,3-Dichloropropane		0.56615	0.54571	3.6	AVRG	
2-Hexanone		0.27047	0.25562	5.5	AVRG	
Dibromochloromethane		0.23654	0.27275	15.3	AVRG	
1,2-Dibromoethane(EDB)		0.27366	0.27216	0.5	AVRG	

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FORM VII

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: VMS03 CalibrationDate: 12/15/09 Time: 1213

CCV ID: SSC790828 Lab File ID: SEC31.D Init. Calib. Date Begin: 12/15/09 End: 12/15/09

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	#	0.90744	0.90369	0.4	AVRG	#
1,1,1,2-Tetrachloroethane		0.24153	0.27527	14.0	AVRG	
Ethylbenzene	*	0.4984	0.50534	1.4	AVRG	*
p,m-Xylene		0.64988	0.61898	4.8	AVRG	
o-Xylene		1.38604	1.378	0.6	AVRG	
Styrene		0.93981	0.99166	5.5	AVRG	
Bromoform	#	50	51.3	2.6	LINR	#
Isopropylbenzene (Cumene)		2.88578	2.954	2.4	AVRG	
Bromobenzene		1.62049	1.673	3.2	AVRG	
1,1,2,2-Tetrachloroethane	#	0.76162	0.72836	4.4	AVRG	#
1,2,3-Trichloropropane		0.20048	0.19444	3.0	AVRG	
n-Propylbenzene		3.50614	3.654	4.2	AVRG	
2-Chlorotoluene		2.58392	2.645	2.4	AVRG	
4-Chlorotoluene		2.5107	2.542	1.2	AVRG	
1,3,5-Trimethylbenzene		2.45815	2.525	2.7	AVRG	
tert-Butylbenzene		2.00801	1.978	1.5	AVRG	
1,2,4-Trimethylbenzene		2.59936	2.657	2.2	AVRG	
sec-Butylbenzene		2.65347	2.787	5.0	AVRG	
1,3-Dichlorobenzene		1.32144	1.325	0.3	AVRG	
1,4-Dichlorobenzene		1.33426	1.33	0.3	AVRG	
4-Isopropyltoluene		2.10774	2.213	5.0	AVRG	
n-Butylbenzene		1.9133	2.052	7.2	AVRG	
1,2-Dichlorobenzene		1.21733	1.207	0.8	AVRG	
1,2-Dibromo-3-chloropropane		0.09521	0.10207	7.2	AVRG	
1,2,4-Trichlorobenzene		0.58155	0.57591	1.0	AVRG	
Hexachlorobutadiene		50	50.9	1.8	LINR	
Naphthalene		1.39238	1.379	1.0	AVRG	
1,2,3-Trichlorobenzene		0.4817	0.4599	4.5	AVRG	
MTBE		0.66995	0.69245	3.4	AVRG	
==========						
Dibromofluoromethane(SURR)		0.20826	0.20433	1.9	AVRG	
Toluene d8(SURR)		0.79412	0.7858	1.0	AVRG	
4-Bromofluorobenzene(SURR)		0.87475	0.88001	0.6	AVRG	
1,2-Dichloroethane-d4(SURR)		0.05133	0.05208	1.5	AVRG	

Average Used: 5

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FORM VII

7

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: VMS03 CalibrationDate: 12/17/09 Time: 0528

CCV ID: CCV792590 Lab File ID: 50CCV32.D Init. Calib. Date Begin: 12/15/09 End: 12/15/09

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		0.27069	0.29041	7.3	AVRG	
Chloromethane	#	0.19596	0.19028	2.9	AVRG	#
Vinyl chloride	*	0.23874	0.22399	6.2	AVRG	*
Bromomethane		0.12548	0.12347	1.6	AVRG	
Chloroethane		0.13586	0.12957	4.6	AVRG	
Trichlorofluoromethane		0.2546	0.26448	3.9	AVRG	
1,1-Dichloroethene	*	0.4078	0.42169	3.4	AVRG	*
Carbon disulfide		0.81884	0.91167	11.3	AVRG	
Methylene chloride		0.50559	0.496	1.9	AVRG	
trans-1,2-Dichloroethene		0.44515	0.46874	5.3	AVRG	
1,1-Dichloroethane	#	0.5638	0.58056	3.0	AVRG	#
Acetone		100	108	8.0	LINR	
2,2-Dichloropropane		0.22629	0.21191	6.4	AVRG	
cis-1,2-Dichloroethene		0.29077	0.30289	4.2	AVRG	
Bromochloromethane		0.29011	0.29861	2.9	AVRG	
2-Butanone		0.14922	0.16649	11.6	AVRG	
Chloroform	*	0.4647	0.47376	1.9	AVRG	*
1,1,1-Trichloroethane		0.2982	0.31423	5.4	AVRG	
Carbon tetrachloride		0.21684	0.23502	8.4	AVRG	
1,1-Dichloropropene		0.35342	0.38106	7.8	AVRG	
Benzene		1.16418	1.138	2.2	AVRG	
1,2-Dichloroethane		0.37698	0.38448	2.0	AVRG	
Trichloroethene		0.24026	0.24625	2.5	AVRG	
1,2-Dichloropropane	*	0.31826	0.32129	1.0	AVRG	*
Dibromomethane		0.15031	0.16686	11.0	AVRG	
Bromodichloromethane		0.30508	0.32179	5.5	AVRG	
cis-1,3-Dichloropropene		0.37744	0.39643	5.0	AVRG	
4-Methyl-2-pentanone		0.09306	0.1015	9.1	AVRG	
Toluene	*	0.65317	0.66181	1.3	AVRG	*
trans-1,3-Dichloropropene		0.297	0.30889	4.0	AVRG	
1,1,2-Trichloroethane		0.2082	0.21615	3.8	AVRG	
Tetrachloroethene		0.2269	0.23202	2.3	AVRG	
1,3-Dichloropropane		0.56615	0.55621	1.8	AVRG	
2-Hexanone		0.27047	0.30753	13.7	AVRG	
Dibromochloromethane		0.23654	0.26386	11.5	AVRG	
1,2-Dibromoethane(EDB)		0.27366	0.28491	4.1	AVRG	

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FORM VII

7

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: VMS03 CalibrationDate: 12/17/09 Time: 0528

CCV ID: CCV792590 Lab File ID: 50CCV32.D Init. Calib. Date Begin: 12/15/09 End: 12/15/09

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	#	0.90744	0.90122	0.7	AVRG	#
1,1,1,2-Tetrachloroethane		0.24153	0.2576	6.7	AVRG	
Ethylbenzene	*	0.4984	0.50006	0.3	AVRG	*
p,m-Xylene		0.64988	0.62007	4.6	AVRG	
o-Xylene		1.38604	1.367	1.4	AVRG	
Styrene		0.93981	0.99532	5.9	AVRG	
Bromoform	#	50	48.4	3.2	LINR	#
Isopropylbenzene (Cumene)		2.88578	2.871	0.5	AVRG	
Bromobenzene		1.62049	1.599	1.3	AVRG	
1,1,2,2-Tetrachloroethane	#	0.76162	0.75342	1.1	AVRG	#
1,2,3-Trichloropropane		0.20048	0.20697	3.2	AVRG	
n-Propylbenzene		3.50614	3.547	1.2	AVRG	
2-Chlorotoluene		2.58392	2.554	1.2	AVRG	
4-Chlorotoluene		2.5107	2.455	2.2	AVRG	
1,3,5-Trimethylbenzene		2.45815	2.503	1.8	AVRG	
tert-Butylbenzene		2.00801	2.12	5.6	AVRG	
1,2,4-Trimethylbenzene		2.59936	2.61	0.4	AVRG	
sec-Butylbenzene		2.65347	2.74	3.3	AVRG	
1,3-Dichlorobenzene		1.32144	1.298	1.8	AVRG	
1,4-Dichlorobenzene		1.33426	1.311	1.7	AVRG	
4-Isopropyltoluene		2.10774	2.207	4.7	AVRG	
n-Butylbenzene		1.9133	2.06	7.7	AVRG	
1,2-Dichlorobenzene		1.21733	1.212	0.4	AVRG	
1,2-Dibromo-3-chloropropane		0.09521	0.10692	12.3	AVRG	
1,2,4-Trichlorobenzene		0.58155	0.61682	6.1	AVRG	
Hexachlorobutadiene		50	51.4	2.8	LINR	
Naphthalene		1.39238	1.553	11.5	AVRG	
1,2,3-Trichlorobenzene		0.4817	0.48834	1.4	AVRG	
MTBE		0.66995	0.66354	1.0	AVRG	
==========						
Dibromofluoromethane(SURR)		0.20826	0.20486	1.6	AVRG	
Toluene d8(SURR)		0.79412	0.79146	0.3	AVRG	
4-Bromofluorobenzene(SURR)		0.87475	0.85164	2.6	AVRG	
1,2-Dichloroethane-d4(SURR)		0.05133	0.05186	1.0	AVRG	

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FORM VII

GC VOLATILE ORGANICS

METHOD 8015

301209 1732

CASE NARRATIVE
GC VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2514463

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/EPA8015 Modified
TPH Analyte Range C6-C10

IV. PREPARATION

Water samples were prepared by SW846/5030 for volatiles EPA8015 (Modified) 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)

No spikes requested by client.

E. Internal Standards:

All acceptance criteria were met.

CASE NARRATIVE
GC VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

F. Samples:

Sample analysis proceeded normally. Client specified reporting limits were used. 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.

SIGNED: **DATE: 12/29/2009**

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CASE NARRATIVE

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 1216LCS Analyte: Chlorobenzene Reason: Split Peak
Sample: 1216LCS Analyte: TPH C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 1216LCSD Analyte: Chlorobenzene Reason: Split Peak
Sample: 1216LCSD Analyte: TPH C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV792137 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: CCV792137 Analyte: TPH C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV792138 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: CCV792138 Analyte: TPH C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: SSC789585 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: SSC789585 Analyte: TPH C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD789577 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: STD789577 Analyte: TPH C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD789578 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: STD789578 Analyte: TPH C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD789579 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: STD789579 Analyte: TPH C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD789580 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: STD789580 Analyte: TPH C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD789581 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: STD789581 Analyte: TPH C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD789582 Analyte: Chlorobenzene(SURR) Reason: Split Peak
Calibration Sample: STD789582 Analyte: TPH C6-C10 Reason: Range method-surrogates were not properly identified denoting a manual change

CASE NARRATIVE

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

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

CHEMIST: **DATE: 12/24/2009**

SECTION LEADER: **DATE: 12/29/2009**

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VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Method: 8015

EPA Sample No	Lab Sample ID
ST-106-TB-12112009	251446301
ST106-GW-10625-12112009	251446302

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Sample Data

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1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST-106-TB-12112009

Lab Name: PEL, Spectrum Analytical, Inc Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 251446301 Lab File ID 46301.D

Sample wt/vol: 5 Units: ML Date Received: 12/12/09

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 12/16/09 Time: 1345

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*
TPH-C610	TPH C6-C10	0.064	U

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Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-12112009

Lab Name: PEL, Spectrum Analytical, Inc Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 251446302 Lab File ID 46302.D

Sample wt/vol: 5 Units: ML Date Received: 12/12/09

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 12/16/09 Time: 1414

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*
TPH-C610	TPH C6-C10	0.01	J

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Form I

QC Summary

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1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

1216BLK1

Lab Name: PEL, Spectrum Analytical Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 1216BLK1 Lab File ID: BLK1.D

Sample wt/vol: 5 Units: ML Date Received: 12/16/09

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 12/16/09 Time: 1033

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*
TPH-C610	TPH C6-C10	0.064	U

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Form I

4

VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.

1216BLK1

Lab Name: PEL, Spectrum Analytic Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Lab File ID: BLK1.D Lab Sample ID: 1216BLK1

Instrument ID: VOLBTX Date Extracted:

Matrix: WATER Date Analyzed: 12/16/09

Level:(low/med) LOW Time Analyzed: 1033

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	1216LCS	1216LCS	LCS.D	12/16/09	0937
2	1216LCSD	1216LCSD	LCSD.D	12/16/09	1005
3	ST-106-TB-12112009	251446301	46301.D	12/16/09	1345
4	ST106-GW-10625-12112009	251446302	46302.D	12/16/09	1414

COMMENTS:

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Form IV

2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG NO.: 2514463

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

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
1216BLK1	105.0						0
1216LCS	110.0						0
1216LCSD	95.0						0
ST106-GW-10625-12112009	100.0						0
ST-106-TB-12112009	95.0						0

Control Limits

S1 = Chlorobenzene 74 - 138

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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8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : SA Case No.: SAS No: SDG No.: 2514463

Lab File ID (Standard): CAL3.D Date Analyzed: 12/8/2009

Instrument ID: VOLBTX Time Analyzed: 16:29

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	1222415	8.56				
	UPPER LIMIT	2444830	9.06				
	LOWER LIMIT	611207.5	8.06				
	EPA SAMPLE NO.						
1	1216LCS	1285070	8.57				
2	1216LCSD	1508632	8.57				
3	1216BLK1	1361379	8.57				
4	ST-106-TB-12112009	1475159	8.57				
5	ST106-GW-10625-12112009	1376655	8.57				

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: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

GC Column: RTX-502.2 ID: 0.53 (mm) Init. Calib. Date: 12/08/09

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	STD789582	CAL6	CAL6.D	12/08/09	1505	10.65	
2	STD789581	CAL5	CAL5.D	12/08/09	1533	10.65	
3	STD789580	CAL4	CAL4.D	12/08/09	1601	10.65	
4	STD789579	CAL3	CAL3.D	12/08/09	1629	10.65	
5	STD789578	CAL2	CAL2.D	12/08/09	1658	10.65	
6	STD789577	CAL1R	CAL1R.D	12/08/09	1754	10.65	
7	SSC789585	SSC1	SSC1.D	12/08/09	1823	10.65	
8	CCV792137	CCV1	CCV1.D	12/16/09	0854	10.65	
9	1216LCS	1216LCS	LCS.D	12/16/09	0937	10.67	
10	1216LCSD	1216LCSD	LCSD.D	12/16/09	1005	10.66	
11	1216BLK1	1216BLK1	BLK1.D	12/16/09	1033	10.67	
12	ST-106-TB-12112009	251446301	46301.D	12/16/09	1345	10.67	
13	ST106-GW-10625-12112009	251446302	46302.D	12/16/09	1414	10.67	
14	CCV792138	CCV2	CCV2.D	12/16/09	1540	10.66	
15	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	2112		

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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3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07. 1216LCS

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

COMPOUND	SPIKE ADDED MG/L	LCS CONCENTRATION MG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
TPH C6-C10	0.25	0.26	104.0		27.0	79 - 149

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.

1216LCSD

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

COMPOUND	SPIKE ADDED MG/L	LCS CONCENTRATION MG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
TPH C6-C10	0.25	0.24	96.0	8.0	27.0	79 - 149

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

Standards Data

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VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: VOLBTX Calibration Date Begin: 12/08/09 End: 12/08/09

GC Column: RTX-502.2 ID: 0.53 (mm) Calibration Time Begin: 1505 End: 1754

LAB FILE ID: RRF0.04035 =CAL1R.D RRF0.20174 =CAL2.D
RRF0.50435 =CAL3.D RRF1.0087 =CAL4.D RRF1.51305 =CAL5.D

COMPOUND	RRF0.04035	RRF0.20174	RRF0.50435	RRF1.0087	RRF1.51305
TPH C6-C10	0.86725	0.70041	0.70512	0.64075	0.6368
==========					
Chlorobenzene(SURR)	0.95129	1.149	0.98935	0.99473	0.86893

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: VOLBTX Calibration Date Begin: 12/08/09 End: 12/08/09

GC Column: RTX-502.2 ID: 0.53 (mm) Calibration Time Begin: 1505 End: 1754

LAB FILE ID: RRF2.0174 =CAL6.D					
COMPOUND	RRF2.0174				
TPH C6-C10	0.59106				
==========					
Chlorobenzene(SURR)	0.72552				

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: VOLBTX Calibration Date Begin: 12/08/09 End: 12/08/09

GC Column: RTX-502.2 ID: 0.53 (mm) Calibration Time Begin: 1505 End: 1754

COMPOUND	CURVE	COEFFICIENTS AO	COEFFICIENTS A1	%RSD OR R^2
TPH C6-C10	AVRG		0.690231459	14
==========				
Chlorobenzene(SURR)	AVRG		0.946411026	14.9

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: VOLBTX Calibration Date Begin: 12/08/09 End: 12/08/09

GC Column: RTX-502.2 ID: 0.53 (mm) Calibration Time Begin: 1505 End: 1754

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	9.151	9.151	9.151	9.151	9.151			
==========								
Chlorobenzene(SURR)	10.653	10.647	10.650	10.650	10.647			

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: VOLBTX Calibration Date Begin: 12/08/09 End: 12/08/09

GC Column: RTX-502.2 ID: 0.53 (mm) Calibration Time Begin: 1505 End: 1754

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	9.151					9.151	6.312	11.990
==========								
Chlorobenzene(SURR)	10.650					10.650	10.544	10.757

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: VOLBTX CalibrationDate: 12/08/09 Time: 1823

CCV ID: SSC789585 Lab File ID: SSC1.D Init. Calib. Date Begin: 12/08/09 End: 12/08/09

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

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH C6-C10	0.69023	0.71445	3.5	AVRG
==========				
Chlorobenzene(SURR)	0.94641	1.034	9.3	AVRG

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FORM VII

7

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: VOLBTX CalibrationDate: 12/16/09 Time: 0854

CCV ID: CCV792137 Lab File ID: CCV1.D Init. Calib. Date Begin: 12/08/09 End: 12/08/09

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

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH C6-C10	0.69023	0.65514	5.1	AVRG
==========				
Chlorobenzene(SURR)	0.94641	0.75673	20.0	AVRG

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FORM VII

7

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: VOLBTX CalibrationDate: 12/16/09 Time: 1540

CCV ID: CCV792138 Lab File ID: CCV2.D Init. Calib. Date Begin: 12/08/09 End: 12/08/09

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

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH C6-C10	0.69023	0.73532	6.5	AVRG
==========				
Chlorobenzene(SURR)	0.94641	0.9619	1.6	AVRG

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FORM VII

GC/ECD EDB ORGANICS

METHOD 8011

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CASE NARRATIVE
EDB GC SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2514463

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)

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)

No spikes requested by client.

E. Internal Standards:

This method does not require the use of internal standards.

CASE NARRATIVE
EDB GC SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

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.

SIGNED: **DATE: 12/22/2009**

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CASE NARRATIVE

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 7316LCSD Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV793148 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV793148 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV793150 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC792662 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC792663 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792622 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792622 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792623 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792624 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792624 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792625 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792625 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792626 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792627 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792630 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792631 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792632 Analyte: 1,1,2,2-Tetrachloroethane(SURR) Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD792633 Analyte: 1,2-Dibromoethane(EDB) Reason: Baseline integration, needs re-enforced due to interference on target peak

CASE NARRATIVE

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

Calibration Sample: STD792634 Analyte: 1,1,2,2-Tetrachloroethane(SURR) 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.

CHEMIST: **DATE: 12/22/2009**

SECTION LEADER: **DATE: 12/22/2009**

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EDB ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Method: 8011

EPA Sample No	Lab Sample ID
ST106-GW-10625-12112009	251446302

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Sample Data

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1

EDB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-12112009

Lab Name: PEL, Spectrum Analytical, Inc Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 251446302 Lab File ID 463-2.D

Sample wt/vol: 35.3 Units: ML Date Received: 12/12/09

Concentrated Extract Volume: 2 Date Extracted: 12/15/09

Level:(low/med) LOW Date Analyzed: 12/21/09 Time: 2121

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*
106-93-4	1,2-Dibromoethane(EDB)	0.06	

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

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Form I

QC Summary

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1

EDB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

7316BLK

Lab Name: PEL, Spectrum Analytical Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 296792 Lab File ID: 7316BLK.D

Sample wt/vol: 35.3 Units: ML Date Received: 12/15/09

Concentrated Extract Volume: 2 Date Extracted: 12/15/09

Level:(low/med) LOW Date Analyzed: 12/21/09 Time: 1944

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*
106-93-4	1,2-Dibromoethane(EDB)	0.0198	U

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

301209 1732

Form I

EDB ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 7316BLK

Lab Name: PEL, Spectrum Analytic Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Lab File ID: 7316BLK.D Lab Sample ID: 296792

Instrument ID: SECD04 Date Extracted: 12/15/09

Matrix: WATER Date Analyzed: 12/21/09

Level:(low/med) LOW Time Analyzed: 1944

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	7316LCS	296793	7316LCS.D	12/21/09	2017
2	7316LCSD	296794	7316LCSD.D	12/21/09	2049
3	ST106-GW-10625-12112009	251446302	463-2.D	12/21/09	2121

COMMENTS:

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Form IV

2A

WATER EDB ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG NO.: 2514463

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
7316BLK	117.0						0
7316LCS	112.0						0
7316LCSD	95.8						0
ST106-GW-10625-12112009	112.0						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

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EDB ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

GC Column: STX-CLP1 ID: 0.32 (mm) Init. Calib. Date: 12/19/09

Instrument ID: SECD04

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

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 6.15 S2 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	1658		
2	STD792622	296785	EDBCAL6.D	12/19/09	1730	6.15	
3	STD792624	296786	EDBCAL5.D	12/19/09	1802	6.15	
4	STD792626	296787	EDBCAL4.D	12/19/09	1835	6.15	
5	STD792630	296788	EDBCAL3.D	12/19/09	1907	6.15	
6	STD792632	296789	EDBCAL2.D	12/19/09	1939	6.15	
7	STD792634	296790	EDBCAL1.D	12/19/09	2011	6.14	
8	SSC792662	NEW SEC	EDBSEC.D	12/19/09	2043	6.15	
9	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	2116		
10	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	2148		
11	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	2220		
12	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	2253		
13	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	2325		
14	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	2357		
15	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0029		
16	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0102		
17	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0134		
18	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0206		
19	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0238		
20	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0310		
21	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0343		
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0415		
23	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/21/09	1840		
24	CCV793147	296787	EDBCCV1.D	12/21/09	1912	6.14	
25	7316BLK	296792	7316BLK.D	12/21/09	1944	6.15	
26	7316LCS	296793	7316LCS.D	12/21/09	2017	6.15	

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

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301209 1732 FORM VIII

EDB ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

GC Column: STX-CLP1 ID: 0.32 (mm) Init. Calib. Date: 12/19/09

Instrument ID: SECD04

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

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 6.15 S2 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	S2 RT	#
27	7316LCSD	296794	7316LCSD.D	12/21/09	2049	6.15			
28	ST106-GW-10625-12112009	251446302	463-2.D	12/21/09	2121	6.15			
29	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/21/09	2153				
30	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/21/09	2225				
31	CCV793149	296787	EDBCCV2.D	12/21/09	2323	6.15			

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

301209 1732 FORM VIII

EDB ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

GC Column: STX-CLP2 ID: 0.32 (mm) Init. Calib. Date: 12/19/09

Instrument ID: SECD04

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

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 6.34 S2 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	1658		
2	STD792623	296785	EDBCAL6.D	12/19/09	1730	6.35	
3	STD792625	296786	EDBCAL5.D	12/19/09	1802	6.35	
4	STD792627	296787	EDBCAL4.D	12/19/09	1835	6.34	
5	STD792631	296788	EDBCAL3.D	12/19/09	1907	6.35	
6	STD792633	296789	EDBCAL2.D	12/19/09	1939	6.35	
7	STD792635	296790	EDBCAL1.D	12/19/09	2011	6.35	
8	SSC792663	NEW SEC	EDBSEC.D	12/19/09	2043	6.35	
9	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	2116		
10	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	2148		
11	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	2220		
12	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	2253		
13	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	2325		
14	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/19/09	2357		
15	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0029		
16	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0102		
17	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0134		
18	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0206		
19	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0238		
20	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0310		
21	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0343		
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/20/09	0415		
23	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/21/09	1840		
24	CCV793148	296787	EDBCCV1.D	12/21/09	1912	6.35	
25	7316BLK	296792	7316BLK.D	12/21/09	1944	6.35	
26	7316LCS	296793	7316LCS.D	12/21/09	2017	6.35	

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

301209 1732 FORM VIII

EDB ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

GC Column: STX-CLP2 ID: 0.32 (mm) Init. Calib. Date: 12/19/09

Instrument ID: SECD04

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

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 6.34 S2 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
27	7316LCSD	296794	7316LCSD.D	12/21/09	2049	6.35	
28	ST106-GW-10625-1211200	251446302	463-2.D	12/21/09	2121	6.35	
29	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/21/09	2153		
30	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/21/09	2225		
31	CCV793150	296787	EDBCCV2.D	12/21/09	2323	6.35	

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

301209 1732 FORM VIII

10

EDB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

ST106-GW-10625-12112009

Lab Name: PEL, Spectrum Analytical Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Lab Sample ID: 251446302 Date(s) Analyzed: 12/21/09 12/21/09

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	4.188	4.198	0.010	160150	0.060	0.06	
		2	4.321	4.320	0.001	172935	0.056	0.056	6.90
1,1,2,2-Tetrachloroethane		1	6.148	6.152	0.004	348590	0.21	0.21	
	*	2	6.346	6.347	0.001	462887	0.27	0.27	25.00

* Column used for quantitation

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Form X

10

EDB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

7316BLK

Lab Name: PEL, Spectrum Analytical Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Lab Sample ID: 296792 Date(s) Analyzed: 12/21/09 12/21/09

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	6.147	6.152	0.005	383639	0.24	0.24	
*	2	6.345	6.347	0.002	485763	0.28	0.28	15.38

* Column used for quantitation

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Form X

10

EDB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

7316LCS

Lab Name: PEL, Spectrum Analytical Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Lab Sample ID: 296793 Date(s) Analyzed: 12/21/09 12/21/09

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	4.187	4.198	0.011	301240	0.12	0.12	
		2	4.320	4.320	0.000	302544	0.11	0.11	8.70
1,1,2,2-Tetrachloroethane		1	6.149	6.152	0.003	356584	0.22	0.22	
	*	2	6.347	6.347	0.000	474449	0.27	0.27	20.41

* Column used for quantitation

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Form X

10

EDB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

7316LCSD

Lab Name: PEL, Spectrum Analytical Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Lab Sample ID: 296794 Date(s) Analyzed: 12/21/09 12/21/09

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	4.187	4.198	0.011	323654	0.13	0.13	
		2	4.320	4.320	0.000	308227	0.11	0.11	16.67
1,1,2,2-Tetrachloroethane	*	1	6.147	6.152	0.005	367816	0.23	0.23	
		2	6.347	6.347	0.000	375803	0.22	0.22	4.44

* Column used for quantitation

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Form X

3

EDB ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07. 7316LCS

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

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	0.12	100.0		35.0	60 - 132

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:

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Form III

EDB ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07. 7316LCSD

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

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	0.13	108.0	8.0	35.0	60 - 132

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:

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Form III

Standards Data

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EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SECD04 Calibration Date Begin: 12/19/09 End: 12/19/09

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1730 End: 2011

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)	2909800	2632150	2871237.5	2709908.333	2331008.333
==========					
1,1,2,2-Tetrachloroethane(SURR)	1844950	1556050	1493112.5	1463291.667	1662183.333

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FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SECD04 Calibration Date Begin: 12/19/09 End: 12/19/09

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1730 End: 2011

LAB FILE ID:	RRF0.48 =EDBCAL6.D				
COMPOUND	RRF0.48				
1,2-Dibromoethane(EDB)	2486050				
==========					
1,1,2,2-Tetrachloroethane(SURR)	1723381.25				

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FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SECD04 Calibration Date Begin: 12/19/09 End: 12/19/09

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1730 End: 2011

COMPOUND	CURVE	COEFFICIENTS AO	A1	%RSD OR R^2
1,2-Dibromoethane(EDB)	LINR	-0.0057156	4.1046E-07	0.99722
==========				
1,1,2,2-Tetrachloroethane(SURR)	AVRG		1623828.13	9

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FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SECD04 Calibration Date Begin: 12/19/09 End: 12/19/09

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1730 End: 2011

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)	4.196	4.193	4.195	4.193	4.194			
==========								
1,1,2,2-Tetrachloroethane(SURR)	6.145	6.153	6.149	6.148	6.152			

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SECD04 Calibration Date Begin: 12/19/09 End: 12/19/09

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1730 End: 2011

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)	4.195					4.193	4.163	4.223
==========								
1,1,2,2-Tetrachloroethane(SURR)	6.152					6.148	5.948	6.348

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SECD04 Calibration Date Begin: 12/19/09 End: 12/19/09

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1730 End: 2011

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)	3737650	2969975	3021400	3020933.333	2550908.333
==========					
1,1,2,2-Tetrachloroethane(SURR)	1715400	1925925	1639887.5	1539600	1627416.667

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FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SECD04 Calibration Date Begin: 12/19/09 End: 12/19/09

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1730 End: 2011

LAB FILE ID: RRF0.48 =EDBCAL6.D

COMPOUND	RRF0.48				
1,2-Dibromoethane(EDB)	2571885.417				
==========					
1,1,2,2-Tetrachloroethane(SURR)	1921008.333				

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FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SECD04 Calibration Date Begin: 12/19/09 End: 12/19/09

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1730 End: 2011

COMPOUND	CURVE	COEFFICIENTS AO	A1	%RSD OR R^2
1,2-Dibromoethane(EDB)	LINR	-0.0127462	3.995E-07	0.99825
==========				
1,1,2,2-Tetrachloroethane(SURR)	AVRG		1728206.25	9.3

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FORM VI

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SECD04 Calibration Date Begin: 12/19/09 End: 12/19/09

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1730 End: 2011

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)	4.326	4.319	4.321	4.315	4.320			
==========								
1,1,2,2-Tetrachloroethane(SURR)	6.350	6.346	6.347	6.344	6.347			

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FORM VI

6

EDB ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SECD04 Calibration Date Begin: 12/19/09 End: 12/19/09

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1730 End: 2011

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)	4.322					4.315	4.285	4.345
==========								
1,1,2,2-Tetrachloroethane(SURR)	6.348					6.344	6.144	6.544

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FORM VI

7SSC

EDB ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: SECD04 CalibrationDate: 12/19/09 Time: 2043

CCV ID: SSC792662 Lab File ID: EDBSEC.D Init. Calib. Date Begin: 12/19/09 End: 12/19/09

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

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	0.12	0.128	6.7	LINR
==========				
1,1,2,2-Tetrachloroethane(SURR)	1623828.1	1421233.333	12.5	AVRG

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FORM VII

7SSC

EDB ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: SECD04 CalibrationDate: 12/19/09 Time: 2043

CCV ID: SSC792663 Lab File ID: EDBSEC.D Init. Calib. Date Begin: 12/19/09 End: 12/19/09

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

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	0.12	0.125	4.2	LINR
==========				
1,1,2,2-Tetrachloroethane(SURR)	1728206.3	1504975	12.9	AVRG

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FORM VII

7

EDB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: SECD04 CalibrationDate: 12/21/09 Time: 1912

CCV ID: CCV793147 Lab File ID: EDBCCV1.D Init. Calib. Date Begin: 12/19/09 End: 12/19/09

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

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	0.12	0.103	14.2	LINR
==========				
1,1,2,2-Tetrachloroethane(SURR)	1623828.1	1434550	11.7	AVRG

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FORM VII

7

EDB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: SECD04 CalibrationDate: 12/21/09 Time: 1912

CCV ID: CCV793148 Lab File ID: EDBCCV1.D Init. Calib. Date Begin: 12/19/09 End: 12/19/09

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

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	0.12	0.116	3.3	LINR
==========				
1,1,2,2-Tetrachloroethane(SURR)	1728206.3	1567908.333	9.3	AVRG

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FORM VII

7

EDB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: SECD04 CalibrationDate: 12/21/09 Time: 2323

CCV ID: CCV793149 Lab File ID: EDBCCV2.D Init. Calib. Date Begin: 12/19/09 End: 12/19/09

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

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	0.12	0.111	7.5	LINR
==========				
1,1,2,2-Tetrachloroethane(SURR)	1623828.1	1454116.667	10.5	AVRG

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FORM VII

7

EDB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: SECD04 CalibrationDate: 12/21/09 Time: 2323

CCV ID: CCV793150 Lab File ID: EDBCCV2.D Init. Calib. Date Begin: 12/19/09 End: 12/19/09

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

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,2-Dibromoethane(EDB)	0.12	0.105	12.5	LINR
==========				
1,1,2,2-Tetrachloroethane(SURR)	1728206.3	1790891.667	3.6	AVRG

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FORM VII

GC 8015 DRO ORGANICS

METHOD 8015

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CASE NARRATIVE
GC SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 2514463

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 8015
Analyte range C10-C28

IV. PREPARATION

Water samples were prepared by SW846 EPA 3510C for DRO 8015 semi-volatiles analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met with the exception of:
Sample 7338LCS was recovered below criteria for the following surrogate(s): o-Terphenyl Surrogate at 51 % with criteria of (59-105). Since this LCS is from the re-extract and since there is no more sample for re-extract, no further action was taken. Both sets of data are reported.

Sample ST106-GW-10625-12112009 was recovered below criteria for the following surrogate(s): o-Terphenyl Surrogate at 52 % with criteria of (59-105). The sample was re-extracted for o-Terphenyl where all surrogate criteria were met and both sets of data are reported.

Samples coded accordingly.

CASE NARRATIVE
GC SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:
LCS 7338LCSD was analyzed with the water samples extracted on 12/18/09. All criteria were met. The following analyte(s) exceeded RPD criteria: TPH C10-C28 at 36 % with criteria of (20).

Samples coded accordingly. Since both LCS/LCSD pass percent recovery criteria, no further action was taken.

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

No spikes requested by client.

E. Internal Standards:

This method does not require the use of internal standards.

F. Samples:

Note that Form 8 indicates retention time failures. This is only with respect to the initial calibration. When the retention time windows are adjusted to the opening CCV as indicated by the method, all retention time criteria are met

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.

SIGNED: **DATE: 12/20/2009**

W:\Narratives\SemiVols\2514\2514463_8015.doc

CASE NARRATIVE

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 7312BLK Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 7312BLK Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 7312BLK Analyte: Triacontane Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 7312LCS Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 7312LCS Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 7312LCS Analyte: Triacontane Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 7338BLK Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 7338BLK Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 7338BLK Analyte: Triacontane Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 7338LCS Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 7338LCS Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 7338LCS Analyte: Triacontane Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 7338LCSD Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 7338LCSD Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 7338LCSD Analyte: Triacontane Reason: Valley-to-Valley (only if required/allowed by method)
Sample: ST106-GW-10625-12112009 Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: ST106-GW-10625-12112009 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: ST106-GW-10625-12112009 Analyte: Triacontane Reason: Valley-to-Valley (only if required/allowed by method)
Sample: ST106-GW-10625-12112009RE1 Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

Sample: ST106-GW-10625-12112009RE1 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: ST106-GW-10625-12112009RE1 Analyte: Triacontane Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV790919 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV790919 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV790919 Analyte: Triacontane(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV791299 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV791299 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV791299 Analyte: Triacontane(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV792173 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV792173 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV792173 Analyte: Triacontane(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV792247 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV792247 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV792247 Analyte: Triacontane(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: SSC777167 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: SSC777167 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC777167 Analyte: Triacontane(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD777155 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD777155 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD777155 Analyte: Triacontane(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD777156 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)

CASE NARRATIVE

PEL Lab Reference No./SDG: 2514463

Client: CH2M Hill

Calibration Sample: STD777156 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD777156 Analyte: Triacontane(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD777163 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD777163 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD777163 Analyte: Triacontane(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD777164 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD777164 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD777164 Analyte: Triacontane(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD777165 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD777165 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD777165 Analyte: Triacontane(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD777166 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD777166 Analyte: TPH C10-C28 Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD777166 Analyte: Triacontane(SURR) Reason: Valley-to-Valley (only if required/allowed by method)

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: 2514463

Client: CH2M Hill

CHEMIST: **DATE: 12/19/2009**

SECTION LEADER: **DATE: 12/20/2009**

W:\Narratives\SemiVols\2514\2514463_8015MI.doc

8015 DRO ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Method: 8015

EPA Sample No	Lab Sample ID
ST106-GW-10625-12112009	251446302
ST106-GW-10625-12112009RE1	251446302RE1

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Sample Data

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1

8015 DRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-12112009

Lab Name: PEL, Spectrum Analytical, Inc Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 251446302 Lab File ID 463-2.D

Sample wt/vol: 985 Units: ML Date Received: 12/12/09

Concentrated Extract Volume: 1 Date Extracted: 12/14/09

Level:(low/med) LOW Date Analyzed: 12/16/09 Time: 1029

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*
TPH-C1028	TPH C10-C28	0.06	J

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Form I

1

8015 DRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

ST106-GW-10625-12112009RE1

Lab Name: PEL, Spectrum Analytical, Inc Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 251446302RE1 Lab File ID 463-2RE1.D

Sample wt/vol: 970 Units: ML Date Received: 12/12/09

Concentrated Extract Volume: 1 Date Extracted: 12/18/09

Level:(low/med) LOW Date Analyzed: 12/18/09 Time: 1929

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*
TPH-C1028	TPH C10-C28	0.075	J

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Form I

QC Summary

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1

8015 DRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

7312BLK

Lab Name: PEL, Spectrum Analytical Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 296694 Lab File ID: 7312BLK.D

Sample wt/vol: 1000 Units: ML Date Received: 12/14/09

Concentrated Extract Volume: 1 Date Extracted: 12/14/09

Level:(low/med) LOW Date Analyzed: 12/16/09 Time: 0838

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*
TPH-C1028	TPH C10-C28	0.25	U

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Form I

1

8015 DRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

7338BLK

Lab Name: PEL, Spectrum Analytical Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Matrix: WATER Lab Sample ID: 297088 Lab File ID: 7338BLK.D

Sample wt/vol: 1000 Units: ML Date Received: 12/18/09

Concentrated Extract Volume: 1 Date Extracted: 12/18/09

Level:(low/med) LOW Date Analyzed: 12/18/09 Time: 1806

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*
TPH-C1028	TPH C10-C28	0.25	U

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Form I

8015 DRO ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 7312BLK

Lab Name: PEL, Spectrum Analytic Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Lab File ID: 7312BLK.D Lab Sample ID: 296694

Instrument ID: SFID01 Date Extracted: 12/14/09

Matrix: WATER Date Analyzed: 12/16/09

Level:(low/med) LOW Time Analyzed: 0838

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	7312LCS	296695	7312LCS.D	12/16/09	0906
2	ST106-GW-10625-12112009	251446302	463-2.D	12/16/09	1029

COMMENTS:

Page 1 of 2

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Form IV

8015 DRO ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 7338BLK

Lab Name: PEL, Spectrum Analytic Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Lab File ID: 7338BLK.D Lab Sample ID: 297088

Instrument ID: SFID01 Date Extracted: 12/18/09

Matrix: WATER Date Analyzed: 12/18/09

Level:(low/med) LOW Time Analyzed: 1806

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	7338LCS	297089	7338LCS.D	12/18/09	1834
2	7338LCSD	297090	7338LCSD.D	12/18/09	1902
3	ST106-GW-10625-12112009	251446302RE1	463-2RE1.D	12/18/09	1929

COMMENTS:

2A

WATER 8015 DRO ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG NO.: 2514463

Column(1): RTX-5 ID: 0.53 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
7312BLK	66.0	70.0					0
7312LCS	83.0	85.0					0
7338BLK	83.0	85.0					0
7338LCS	51.0 *	60.0					1
7338LCSD	82.0	85.0					0
ST106-GW-10625-12112009	52.0 *	50.0					1
ST106-GW-10625-12112009RE1	69.0	71.4					0

Control Limits

S1	=	o-Terphenyl Surrogate	59 -	105
S2	=	Triacontane	40 -	140

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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8015 DRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 11/04/09

Instrument ID: SFID01

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

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 4.66 S2 : 7.26

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	STD777155	31416	DROCAL6.D	11/03/09	1702	4.67	7.26
2	STD777163	31418	DROCAL4.D	11/03/09	1758	4.65	7.19
3	STD777164	31419	DROCAL3.D	11/03/09	1825	4.65	7.19
4	STD777165	31420	DROCAL2.D	11/03/09	1853	4.65	7.23
5	STD777166	31421	DROCAL1.D	11/03/09	1921	4.65	7.19
6	STD777156	31417	DROCAL5.D	11/04/09	1316	4.66	7.26
7	SSC777167	31510	DROSECCV.D	11/04/09	1344	4.69	7.33
8	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/15/09	1157		
9	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/15/09	1225		
10	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/15/09	1253		
11	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/15/09	1321		
12	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	0714		
13	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	0742		
14	CCV790919	32085	DROCCV1.D	12/16/09	0810	4.62	7.11
15	7312BLK	296694	7312BLK.D	12/16/09	0838	4.63	7.12
16	7312LCS	296695	7312LCS.D	12/16/09	0906	4.64	7.17
17	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	0934		
18	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1002		
19	ST106-GW-10625-12112009	251446302	463-2.D	12/16/09	1029	4.66	7.22
20	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1057		
21	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1125		
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1153		
23	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1221		
24	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1248		
25	CCV791299	32085	DROCCV2.D	12/16/09	1316	4.66	7.26
26	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1344		

			QC LIMITS
S1	=	o-Terphenyl Surrogate	(+/- 0.14 MINUTES)
S2	=	Triacontane	(+/- 0.2 MINUTES)

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

8015 DRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 11/04/09

Instrument ID: SFID01

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

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 4.66 S2 : 7.26

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
27	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1412		
28	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1440		
29	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1507		
30	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1535		
31	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1603		
32	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1631		
33	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1659		
34	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1727		
35	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1754		
36	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1822		
37	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1850		
38	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1918		
39	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/16/09	1946		
40	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/18/09	1327		
41	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/18/09	1355		
42	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/18/09	1422		
43	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/18/09	1450		
44	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/18/09	1518		
45	CCV792173	32085	DROCCV2.D	12/18/09	1546	4.66	7.24
46	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/18/09	1614		
47	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/18/09	1642		
48	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/18/09	1710		
49	ZZZZZZ	ZZZZZZ	ZZZZZZ	12/18/09	1738		
50	7338BLK	297088	7338BLK.D	12/18/09	1806	4.66	7.23
51	7338LCS	297089	7338LCS.D	12/18/09	1834	4.63	7.12
52	7338LCSD	297090	7338LCSD.D	12/18/09	1902	4.62	7.09

			QC LIMITS
S1	=	o-Terphenyl Surrogate	(+/- 0.14 MINUTES)
S2	=	Triacontane	(+/- 0.2 MINUTES)

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

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8015 DRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 11/04/09

Instrument ID: SFID01

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

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 4.66 S2 : 7.26

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
53	ST106-GW-10625-12112009R	251446302RE1	463-2RE1.D	12/18/09	1929	4.62	7.09
54	CCV792247	32150	DROCCV3.D	12/18/09	1957	4.63	7.12

			QC LIMITS
S1	=	o-Terphenyl Surrogate	(+/- 0.14 MINUTES)
S2	=	Triacontane	(+/- 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.

7312LCS

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

COMPOUND	SPIKE ADDED MG/L	LCS CONCENTRATION MG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
TPH C10-C28	1	0.83	83.0		20.0	50 - 104

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

8015 DRO ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07. 7338LCS

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

COMPOUND	SPIKE ADDED MG/L	LCS CONCENTRATION MG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
TPH C10-C28	1	0.57	57.0		20.0	50 - 104

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

8015 DRO ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

7338LCSD

Lab Name: PEL, Spectrum Analytical, In Contract: KirtlandAFB/382698.02.FF.07.

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

COMPOUND	SPIKE ADDED MG/L	LCS CONCENTRATION MG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
TPH C10-C28	1	0.82	82.0	36.0 *	20.0	50 - 104

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

Standards Data

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8015 DRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SFID01 Calibration Date Begin: 11/03/09 End: 11/04/09

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1702 End: 1316

LAB FILE ID: RRF0.025 =DROCAL1.D RRF0.1 =DROCAL2.D
RRF0.5 =DROCAL3.D RRF1 =DROCAL4.D RRF2 =DROCAL5.D

COMPOUND	RRF0.025	RRF0.1	RRF0.5	RRF1	RRF2
TPH C10-C28	52884960	34213090	42738508	37261452	34002303.5
==========					
o-Terphenyl Surrogate(SURR)	33189590	33594050	35242910	35737130	37657010
Triacontane(SURR)	28461775	28000645	29001150	28655850	28677770

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FORM VI

8015 DRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SFID01 Calibration Date Begin: 11/03/09 End: 11/04/09

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1702 End: 1316

LAB FILE ID: RRF4 =DROCAL6.D

COMPOUND	RRF4				
TPH C10-C28	34149418				
==========					
o-Terphenyl Surrogate(SURR)	42261490				
Triacontane(SURR)	28689995				

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FORM VI

8015 DRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SFID01 Calibration Date Begin: 11/03/09 End: 11/04/09

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1702 End: 1316

COMPOUND	CURVE	COEFFICIENTS AO	A1	%RSD OR R^2
TPH C10-C28	LINR	-0.05197043	2.96176E-08	0.99873
==========				
o-Terphenyl Surrogate(SURR)	AVRG		36280363.33	9.2
Triacontane(SURR)	AVRG		28581197.5	1.2

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FORM VI

8015 DRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SFID01 Calibration Date Begin: 11/03/09 End: 11/04/09

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1702 End: 1316

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

LAB FILE ID: RT1: DROCAL1.D RT2: DROCAL2.D
RT3: DROCAL3.D RT4: DROCAL4.D RT5: DROCAL5.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	TO
TPH C10-C28	4.370	4.370	4.370	4.370	4.370			
==========								
o-Terphenyl Surrogate(SURR)	4.647	4.653	4.650	4.647	4.663			
Triacontane(SURR)	7.190	7.227	7.187	7.193	7.260			

8015 DRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No. SAS No: SDG No.: 2514463

Instrument ID: SFID01 Calibration Date Begin: 11/03/09 End: 11/04/09

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1702 End: 1316

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

LAB FILE ID: RT6: DROCAL6.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	TO
TPH C10-C28	4.370					4.370	1.777	6.963
==========								
o-Terphenyl Surrogate(SURR)	4.673					4.663	4.523	4.804
Triacontane(SURR)	7.263					7.260	7.062	7.458

7SSC

8015 DRO ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: SFID01 CalibrationDate: 11/04/09 Time: 1344

CCV ID: SSC777167 Lab File ID: DROSECCV.D Init. Calib. Date Begin: 11/03/09 End: 11/04/09

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH C10-C28	2	2.25	12.5	LINR
==========				
o-Terphenyl Surrogate(SURR)	36280363	37860480	4.4	AVRG
Triacontane(SURR)	28581198	28615220	0.1	AVRG

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FORM VII

8015 DRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: SFID01 CalibrationDate: 12/16/09 Time: 0810

CCV ID: CCV790919 Lab File ID: DROCCV1.D Init. Calib. Date Begin: 11/03/09 End: 11/04/09

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH C10-C28	2	1.87	6.5	LINR
==========				
o-Terphenyl Surrogate(SURR)	36280363	33140310	8.7	AVRG
Triacontane(SURR)	28581198	26633285	6.8	AVRG

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FORM VII

8015 DRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: SFID01 CalibrationDate: 12/16/09 Time: 1316

CCV ID: CCV791299 Lab File ID: DROCCV2.D Init. Calib. Date Begin: 11/03/09 End: 11/04/09

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH C10-C28	2	1.89	5.5	LINR
==========				
o-Terphenyl Surrogate(SURR)	36280363	33934220	6.5	AVRG
Triacontane(SURR)	28581198	26848675	6.1	AVRG

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FORM VII

8015 DRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: SFID01 CalibrationDate: 12/18/09 Time: 1546

CCV ID: CCV792173 Lab File ID: DROCCV2.D Init. Calib. Date Begin: 11/03/09 End: 11/04/09

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH C10-C28	2	2.03	1.5	LINR
==========				
o-Terphenyl Surrogate(SURR)	36280363	36224990	0.2	AVRG
Triacontane(SURR)	28581198	28811385	0.8	AVRG

301209 1732

FORM VII

8015 DRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: KirtlandAFB/382698.02.FF.07.05

Lab Code : PEL Case No.: SAS No: SDG No.: 2514463

Instrument ID: SFID01 CalibrationDate: 12/18/09 Time: 1957

CCV ID: CCV792247 Lab File ID: DROCCV3.D Init. Calib. Date Begin: 11/03/09 End: 11/04/09

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH C10-C28	2	2.14	7.0	LINR
==========				
o-Terphenyl Surrogate(SURR)	36280363	39074790	7.7	AVRG
Triacontane(SURR)	28581198	29913590	4.7	AVRG

301209 1732

FORM VII

Chain of Custody Documentation

301209 1732

PEL Laboratories, Inc.
8405 Benjamin R Suite A
Tampa, FL 33634
Phone: 813-888-9507
E-Mail: login@pelab.com

Chain of Custody Record
Record/Work Request

25144639K

Company: CH2M Hill

Address: 4641 Jefferson Plaza NE Ste 200
Albuquerque NM 87109

Phone: 505-884-5600 Fax:

Print Names(s) / Affiliation
Todd Arrowood / CH2M Hill

Sampler(s) Signature(s)
Todd Arrowood

Project Name/Number:
382698.02.FF.07.05

Project Manager:
Sharon Minchack

Purchase Order: 936127

Page 1 of 1

DEP Form #: 62-770.900(2)
Form Title: Chain of Custody Record
Effective Date: September 23, 1997
FDEP Facility No.
Project Name:
Sampling CompQAP No:
Approval Date:

REQUESTED DUE DATE
/ /

Preservatives (see codes): H, H, I, I

Analyses Requested: 8015GRO, 8260, EDB-8011, 8015DRO

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Composite	Matrix (see codes)	Number of Containers	8015GRO	8260	EDB-8011	8015DRO	Remarks	Lab. No.
1	ST-106-TB-121209	12-11-09	1230	Grab	GW	2	X	X				-01
2	ST-106-GW-10625-121209	↓	1255	↓	↓	11	X	X	X	X		-02

Shipment Method

13 ← Total Number of Containers

Out: / /	Via:	Item Nos.	Relinquished by / Affiliations	Date	Time	Accepted by / Affiliation	Date	Time
Returned: / /	Via.		[signature] IPR	11/18	1505			
Additional Comments:				12/11	1730	[signature]	12/12/09	925

PH<2 8260/8015G
double ambers rec'd

Cooler No. (s) / Temperature(s) (C)	Sampling Kit No.	Equipment ID No.
3.0C		

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATION CODES: H-Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)

2514463

144

Temp 3.0

FedEx Express **US Airbill** 8673 1705 8733 0200 Form ID No. **FedEx Retrieval Copy**

1 From

Date 02/11/09 Sender's FedEx Account Number 1029-1288-8

Sender's Name Tony Arnold Phone 505 994-5601

Company CUMMH

Address 4141 Jefferson Plaza NE #200

Dept./Floor/Suite/Room

City Albuquerque State NM ZIP 87109

2 Your Internal Billing Reference 382698.02.FF.07.05

3 To

Recipient's Name Dave Wesson Phone 817 423-9500

Company TTL Laboratories

Recipient's Address 2105 Benjamin rd. Ste A

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City Tampa State FL ZIP 33634

8673 1705 8733

4a Express Package Service — *Packages up to 150 lbs.*[1]

1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.** Saturday Delivery NOT available.

3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available

FedEx Envelope rate not available. Minimum charge: One-pound rate

* To most locations.

4b Express Freight Service — *Packages over 150 lbs.*

7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available

* Call for Confirmation.

** To most locations.

5 Packaging

6 [ ] FedEx Envelope*

2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.

3 [ ] FedEx Box

4 [ ] FedEx Tube

1 [X] Other

* Declared value limit $500

6 Special Handling — Include FedEx address in Section 3.

3 [X] **SATURDAY Delivery** — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

1 [ ] **HOLD Weekday** at FedEx Location — Not available for FedEx First Overnight.

31 [ ] **HOLD Saturday** at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

[X] No

4 [ ] Yes — As per attached Shipper's Declaration.

[ ] Yes — Shipper's Declaration not required

6 [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

[ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

1 [X] Sender — Acct. No. in Section 1 will be billed.

2 [ ] Recipient

3 [ ] Third Party

4 [ ] Credit Card

5 [ ] Cash/Check

Obtain Recip. Acct. No. [ ]

[redacted]

Total Packages 1

Total Weight 25

[redacted]

[1] Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

Credit Card Auth.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect

[ ] No Signature Required — Package may be left without obtaining a signature for delivery.

10 [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

34 [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

520

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PEL, a Division of Spectrum Analytical, Inc.

pH LOG SHEET

Work Order # 2514463

By JK

Client / Project Name CH2MHILL Kirtland AFB

Date ~~12/12~~ 12/12/09
JK 12/12/09

PEL Sample Number	H_2SO_4 (pH<2)		HNO_3 (pH<2)		NaOH (pH>12)		ZnAC/NaOH (pH>9)		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									2	—		
02									6	<2		
03												
04												
05												
06												
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:	2514463	**Req:**	89511
Client:	CH2M Hill	**Project:**	ST106 (TO-313, 96, 123, 38)
Level:	4	**Date Rec'd:**	12/12/2009 9:25:00 AM
Rec'd via:	Fed-Ex	**Due Date:**	12/29/09

Sample Verification

Samples/Cooler Secure?	Yes	**All Samples on COC accounted For?**	Yes
Temperature of Samples(Celsius)	3.0C	**All Samples Rec'd Intact?**	Yes
pH Verified?	Yes	**Sample Vol. Stuff. 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		

PEER REVIEW MG

Client: CH2M Hill

WONo: 2514463 Profile Name: Kirtland AFB Profile #: 89511

MATRIX W

Sample #	Bottle	Parameter		Check	Received	Date
01	002	8015G	GRO	In	Ja Kim	12/12/2009 1:29:33 PM
01	002	8015G	GRO	Out	Kevin Siuda	12/16/2009 10:51:38 AM
01	002	8015G	GRO	In	Kevin Siuda	12/17/2009 5:18:59 PM
01	001	8260	Volatile Organic Compounds	In	Ja Kim	12/12/2009 1:29:18 PM
01	001	8260	Volatile Organic Compounds	Out	Marcell Stephens	12/17/2009 6:01:20 AM
01	001	8260	Volatile Organic Compounds	In	Marcell Stephens	12/18/2009 11:28:02 AM
02	003	8011	EDB	In	Ja Kim	12/12/2009 1:26:56 PM
02	004	8011	EDB	In	Ja Kim	12/12/2009 1:26:59 PM
02	005	8011	EDB	In	Ja Kim	12/12/2009 1:27:01 PM
02	005	8011	EDB	Consumed	Christelle Abadia	12/15/2009 1:39:58 PM
02	003	8011	EDB	Consumed	Christelle Abadia	12/15/2009 1:40:11 PM
02	004	8011	EDB	Consumed	Christelle Abadia	12/15/2009 1:40:45 PM
02	002	8015	DRO	In	Ja Kim	12/12/2009 1:27:12 PM
02	001	8015	DRO	In	Ja Kim	12/12/2009 1:27:19 PM
02	001	8015	DRO	Consumed	Sylvia Lukasiewicz	12/14/2009 11:31:29 AM
02	002	8015	DRO	Consumed	Christelle Abadia	12/18/2009 8:31:12 AM
02	006	8015G	GRO	In	Ja Kim	12/12/2009 1:29:35 PM
02	007	8015G	GRO	In	Ja Kim	12/12/2009 1:29:37 PM
02	008	8015G	GRO	In	Ja Kim	12/12/2009 1:29:39 PM
02	010	8015G	GRO	Out	Kevin Siuda	12/16/2009 10:51:45 AM
02	010	8015G	GRO	In	Kevin Siuda	12/17/2009 5:19:08 PM
02	009	8260	Volatile Organic Compounds	In	Ja Kim	12/12/2009 1:29:20 PM
02	010	8260	Volatile Organic Compounds	In	Ja Kim	12/12/2009 1:29:23 PM
02	011	8260	Volatile Organic Compounds	In	Ja Kim	12/12/2009 1:29:25 PM
02	008	8260	Volatile Organic Compounds	Out	Marcell Stephens	12/17/2009 6:02:54 AM
02	008	8260	Volatile Organic Compounds	In	Marcell Stephens	12/18/2009 11:28:14 AM

Addendum

301209 1732

Letter of Acceptance

Customer Name: CH2M Hill

Date and Time Received: 12/12/2009 9:25:00 AM

Date to be Reported: 1/2/2010

Laboratory Submission Number/SDG: 2514463

Get Detailed Analyte List here: www.pelab.com/webdms/Default.asp?LoaSDG=2514463

Project: KirtlandAFB/382698.02.FF.07.05

Samples: The submission consisted of 2 samples, including QC, with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: 8011, 8015, 8015G, 8260.

Sample Custody/COC discrepancies:

None.

Notes:

None.

Distribution of Report to:

CH2M Hill
Attn: Daniel Moore
Phone: W (314)421-0313
F (414)454-8704

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: 6 analyses on 2 samples (including QC) *15-Dec-09*

Report/SDG #: 2514463

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
ST-106-TB-12112009	251446301		WQ	12/11/2009 12:30:00 PM	12/12/2009 9:25:00 AM

Method		
8015G	GRO	8015
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
ST106-GW-10625-12112009	251446302		W	12/11/2009 12:55:00 PM	12/12/2009 9:25:00 AM

Method		
8011	EDB	8011
8015	DRO	8015
8015G	GRO	8015
8260	Volatile Organic Compounds	8260

Appendix

301209 1732

Raw Data Method 8260

MK

IAC 12-15-09

imsd3 | 8260 | 5030 | H2O | (M3121509C) | 12/15/09 Auto IS - H2O Path

File	STD#	Surr / IS#	Amount	Client
BFB31		32050, 30693	50ng	Pal-Ga
200 ppt	30675, 31233 31412, 31847		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		31431, 30613	50 ppb	
60 ppb			60 ppb	
80 ppb			80 ppb	
60 ppbr			60 ppb	
50 ppbr			50 ppb	
SEC31	30676, 31234 31413, 31848			
SEC32				

Reviewed By MK 12/15/09

ICAL 12-15-07

MS

MS03 (8260/5030/H2O)(M3121709) 12/17/07 Auto IS-H2O Path

vial	File	STD#s	Sol'n lot	Amount	client
	BF331		32050, 30693	50ng	PEL-OK
	50CW31		31439, 30693	50ppb	
	50CW32		↓	↓	
	CB		32050, 30693	5mL	
	LC531			20ppb	
	LC532D			↓	
1,2	251442905 (MS)			5mL	
1,3	↓ 42906 (SD)			↓	
	BIK31			5mL	
	BIK32				(EDWARDS)
2	251442904				
1	↓ 42713				(Kirtland)
1	46301				↓
8	02				(EDWARDS)
2	42901				
1	02				
1	03				
3	08				
2	09				
3	10				
1	47401				(KELLY-AFB)
9	02				
7	02D (5x)				
2	03				
5	04				
1	05				
2	06				
1	429 07D (50x)				(EDWARDS)
1	07 (5x)				

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29321	8260_CEVECAL	CPI	147378	6/4/2011	1.2 mL	6/12/2009	mstephens
10000 MG/L: 2-Chloroethylvinyl ether							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29322	8260_CEVEQC	CPI	147381	6/4/2011	1.2 mL	6/12/2009	mstephens
10000 MG/L: 2-Chloroethylvinyl ether							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29559	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
30067	8260_B1CAL	CPI	149163	1/24/2010	2.4 ML	7/31/2009	mstephens
40000 UG/ML: Acrolein, Acrylonitrile							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30068	8260_B1QC	CPI	149164	1/24/2010	1 ML	7/31/2009	mstephens
40000 UG/ML: Acrolein, Acrylonitrile							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30069	8260_R1CAL	CPI	146338	5/1/2010	1.2 ML	7/31/2009	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
30070	8260_R1QC	CPI	146337	5/1/2010	1.2 ML	7/31/2009	mstephens

1000 UG/ML: Methylene chloride
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, 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
30071	8260_R3CAL	CPI	146364	5/4/2011	1.2 ML	7/31/2009	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

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30072	8260_W2QC	CPI	146285	5/1/2010	1.2 ML	7/31/2009	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
30073	8260_W1CAL	CPI	146359	5/4/2011	1.2 ML	7/31/2009	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
30074	8260_W1QC	CPI	146286	5/1/2011	1.2 ML	7/31/2009	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
30075	8260_R2CAL	CPI	146357	5/4/2011	1.2 ML	7/31/2009	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

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30076	8260_R2QC	CPI	146284	5/1/2011	1.2 ML	7/31/2009	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
30675	8260_Main Mix_P			3/8/2010	50 ML	9/8/2009	mstephens

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:

30069: 0.5 ML 30071: 0.5 ML 30073: 0.5 ML 30075: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30676	8260_Main Mix_S			3/8/2010	50 ML	9/8/2009	mstephens

10 UG/ML: Methylene chloride
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, 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:

30070: 0.5 ML 30072: 0.5 ML 30074: 0.5 ML 30076: 0.5 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30693	8260_INT_IS			3/10/2010	100 ML	9/10/2009	ksiuda

250 UG/ML: 1,4-Dichlorobenzene-d4, Chlorobenzene d5, Fluorobenzene

COMPOSED OF:

29559: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30851	8260_SURR	ULTRA	CE-1901	6/30/2011	1 ML	9/22/2009	mjacobs

2512 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane
2513 UG/ML: Toluene d8

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31233	8260_CEVECAL			4/14/2010	25 ML	10/14/2009	mstephens

200000 ug/L: 2-Chloroethylvinyl ether

COMPOSED OF:

29321: 500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31234	8260_CEVEQC			4/14/2010	25 ML	10/14/2009	mstephens

200000 ug/L: 2-Chloroethylvinyl ether

COMPOSED OF:

29322: 500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31410	8260_R4CAL	CPI	151939	1/17/2010	1.2 ML	10/26/2009	mstephens

10000 UG/ML: Vinyl acetate

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31411	8260_R4QC	CPI	151940	1/17/2010	1.2 ML	10/26/2009	mstephens

10000 UG/ML: Vinyl acetate

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31412	8260_Add ons_P			1/17/2010	50 ML	10/26/2009	mstephens

100 UG/ML: Vinyl acetate
200 UG/ML: Acrolein, Acrylonitrile

COMPOSED OF:

30067: 0.25 ML 31410: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31413	8260_Add ons_S			1/17/2010	50 ML	10/26/2009	mstephens

100 UG/ML: Vinyl acetate
200 UG/ML: Acrolein, Acrylonitrile

COMPOSED OF:

30068: 0.25 ML 31411: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31439	8260_HIGHSURR			4/29/2010	10 ML	10/29/2009	mstephens

251 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, Toluene d8

COMPOSED OF:

30851: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31661	8260_SURR	ULTRA	CE-1901	6/30/2011	1 ML	11/12/2009	mstephens

2512 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane
2513 UG/ML: Toluene d8

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31816	8021_5QC	CPI	146289	5/1/2011	2.4 ML	12/2/2009	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
31817	8021_5CAL	CPI	146288	5/1/2011	2.4 ML	12/2/2009	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
31818	8260Freons Primary	CPI	153003	11/17/2011	2.4 ML	12/2/2009	mstephens

2000 MG/L: 2-Chloro-1,1,1-trifluoroethane, Chlorotrifluoroethylene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31819	8260Freons Secondary	CPI	146287	5/1/2011	2.4 ML	12/2/2009	mstephens

2000 MG/L: 2-Chloro-1,1,1-trifluoroethane, Chlorotrifluoroethylene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31847	8260_Gases_P			6/3/2010	50 ML	12/3/2009	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, 2-Chloro-1,1,1-trifluoroethane, Bromomethane, Chloroethane, Chloromethane, Chlorotrifluoroethylene, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

31817: 1.25 ML 31818: 1.25 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31848	8260_Gases_S			6/3/2010	50 ML	12/3/2009	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, 2-Chloro-1,1,1-trifluoroethane, Bromomethane, Chloroethane, Chloromethane, Chlorotrifluoroethylene, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

31816: 1.25 ML 31819: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32050	8260_INT_SURR			6/9/2010	100 ML	12/9/2009	ksiuda

25.1 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, Toluene d8

COMPOSED OF:

31661: 1 ML

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121509C.b\BFB31.D
Lab Smp Id: 121509BFBA31 Client Smp ID: 121509BFBA31
Inj Date : 15-DEC-2009 05:49
Operator : Inst ID: vms03.i
Smp Info : 121509BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121509C.b\BFBE.m
Meth Date : 29-Dec-2009 10:26 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
Processing Host: VOLS11

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 #: 74-83-9		
6.992	7.000	-0.008	95	393344			0.00- 100.00	100.00
6.992	7.000	-0.008	50	93236			15.00- 40.00	23.70
6.992	7.000	-0.008	75	206400			30.00- 60.00	52.47
6.992	7.000	-0.008	96	29140			5.00- 9.00	7.41
6.992	7.000	-0.008	173	0	0.0	0.0	0.00- 2.00	0.00
6.992	7.000	-0.008	174	243008			50.00- 100.00	61.78
6.992	7.000	-0.008	175	19329			5.00- 9.00	7.95
6.992	7.000	-0.008	176	233696			95.00- 101.00	96.17
6.992	7.000	-0.008	177	16702			5.00- 9.00	7.15

Data File: \\VMS03\DD\chem\vms03.i\M3121509C.b\BFB31.D

Date : 15-DEC-2009 05:49

Client ID: 121509BFBA31

Instrument: vms03.i

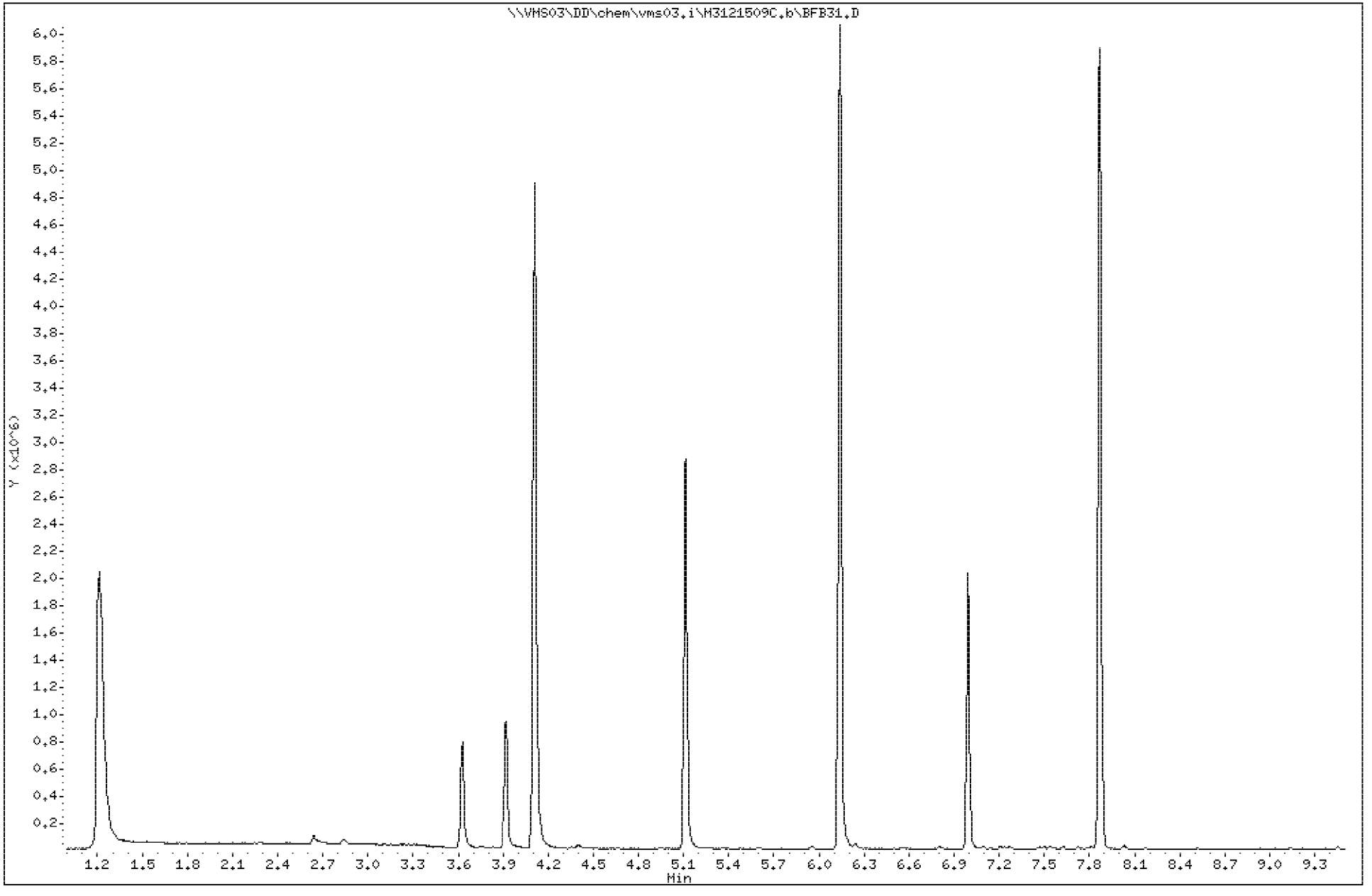
Sample Info: 121509BFBA31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3121509C.b\BFB31.D

Date : 15-DEC-2009 05:49

Client ID: 121509BFBA31

Instrument: vms03.i

Sample Info: 121509BFBA31

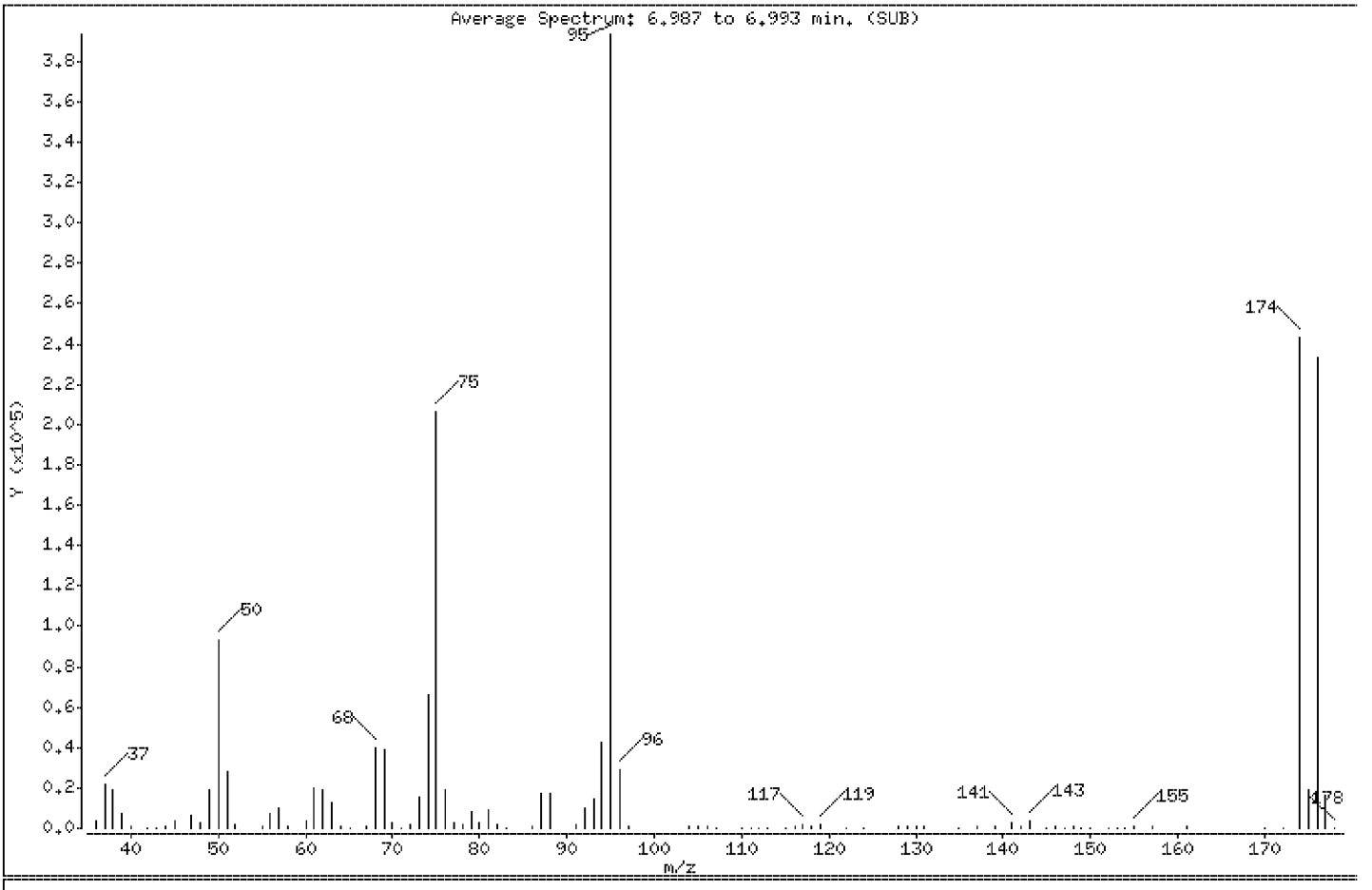
Purge Volume: 5.0

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	23.70
75	30.00 - 60.00% of mass 95	52.47
96	5.00 - 9.00% of mass 95	7.41
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	61.78
175	5.00 - 9.00% of mass 174	4.91 (7.95)
176	95.00 - 101.00% of mass 174	59.41 (96.17)
177	5.00 - 9.00% of mass 176	4.25 (7.15)

Data File: \\VMS03\DD\chem\vms03.i\M3121509C.b\BFB31.D

Date : 15-DEC-2009 05:49

Client ID: 121509BFBA31 Instrument: vms03.i

Sample Info: 121509BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31.D
Spectrum: Average Spectrum: 6.987 to 6.993 min. (SUB)
Location of Maximum: 95.00
Number of points: 96

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3197	67.00	543	96.00	29136	142.00	577
37.00	21512	68.00	39640	97.00	879	143.00	3428
38.00	19272	69.00	38800	104.00	1178	145.00	171
39.00	7115	70.00	3074	105.00	601	146.00	896
40.00	783	71.00	293	106.00	1282	147.00	126
42.00	140	72.00	2243	107.00	139	148.00	761
43.00	298	73.00	15765	110.00	241	149.00	164
44.00	1162	74.00	66408	111.00	245	150.00	401
45.00	3195	75.00	206400	112.00	167	152.00	137
47.00	6512	76.00	18824	113.00	287	153.00	285
48.00	2846	77.00	2550	115.00	189	154.00	318
49.00	18880	78.00	1846	116.00	1028	155.00	806
50.00	93232	79.00	8544	117.00	2091	157.00	473
51.00	28104	80.00	2592	118.00	1219	161.00	556
52.00	1591	81.00	9352	119.00	1840	170.00	164
55.00	1188	82.00	1607	122.00	173	172.00	205
56.00	6893	83.00	128	124.00	244	174.00	243008
57.00	9637	86.00	696	128.00	867	175.00	19328
58.00	578	87.00	17264	129.00	463	176.00	233664
60.00	3971	88.00	16968	130.00	951	177.00	16696
61.00	19528	91.00	1374	131.00	647	178.00	293
62.00	18832	92.00	10368	135.00	409		
63.00	12980	93.00	14834	137.00	533		
64.00	846	94.00	42288	139.00	588		
65.00	181	95.00	393344	141.00	2793		

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121509C.b\200PPT.D
Lab Smp Id: 200PPT Client Smp ID: 200PPT
Inj Date : 15-DEC-2009 06:18
Operator : Inst ID: vms03.i
Smp Info : 200PPT
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Meth Date : 29-Dec-2009 10:26 lpelo Quant Type: ISTD
Cal Date : 07-DEC-2009 08:58 Cal File: CAL10.D
Als bottle: 2 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				15415	0.20000	(a)
M 3 Trihalomethanes (Total)	100				6110	0.20000	(a)
32 Chloroform	83	5.809	5.816	(0.816)	6110	0.20000	0.20(a)
41 Benzene	78	6.846	6.850	(0.961)	17111	0.20000	0.23(a)
* 42 FLUOROBENZENE (IS)	96	7.121	7.124	(1.000)	3213156	50.0000	
58 1,3-Dichloropropane	76	9.589	9.594	(0.918)	5408	0.20000	0.21(a)
* 63 CHLOROBENZENE d5 (IS)	117	10.440	10.443	(1.000)	2257267	50.0000	
67 p,m-Xylene	106	10.614	10.619	(1.017)	15415	0.40000	0.52(a)
73 1,1,2,2-Tetrachloroethane	83	11.598	11.598	(0.902)	3610	0.20000	0.22(a)
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.857	12.858	(1.000)	1079551	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: 200PPT.D
Lab Smp Id: 200PPT
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 200PPT
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3213156	-0.78
63 CHLOROBENZENE d5	2294514	1147257	4589028	2257267	-1.62
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1079551	-5.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	-0.01
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	-0.01
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	-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\M3121509C.b\200PPT.D

Page 3

Date : 15-DEC-2009 06:18

Client ID: 200PPT

Instrument: vms03.i

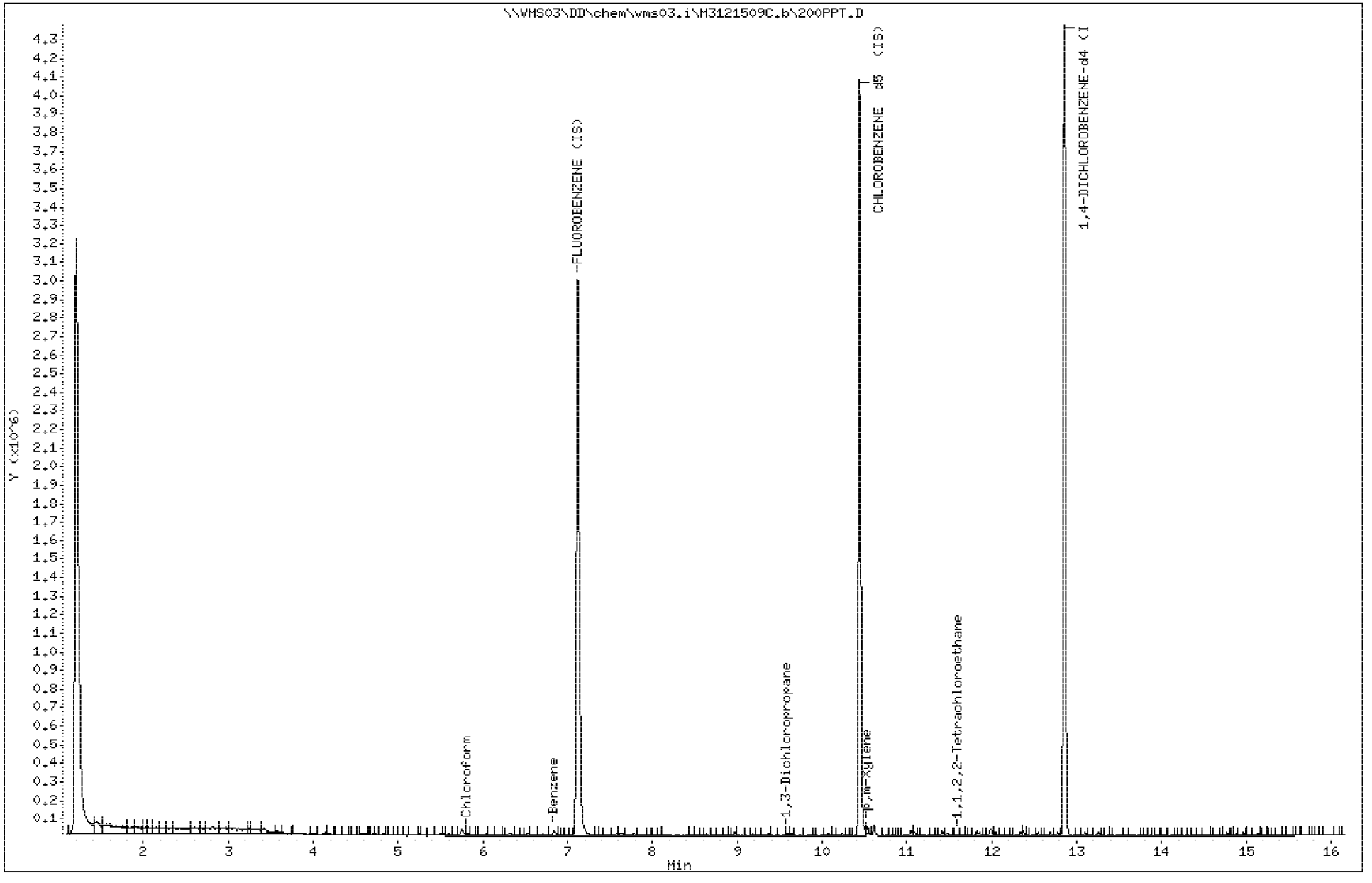
Sample Info: 200PPT

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121509C.b\500PPT.D
Lab Smp Id: 500PPT Client Smp ID: 500PPT
Inj Date : 15-DEC-2009 06:41
Operator : Inst ID: vms03.i
Smp Info : 500PPT
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Meth Date : 29-Dec-2009 10:26 lpelo Quant Type: ISTD
Cal Date : 07-DEC-2009 08:58 Cal File: CAL10.D
Als bottle: 3 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				26241	1.00000	(a)
M 2 Xylenes (Total)	100				66754	1.50000	(a)
M 3 Trihalomethanes (Total)	100				31364	0.50000	(a)
5 Chloromethane	50	1.520	1.520	(0.214)	6988	0.50000	0.56(a)
6 Vinyl Chloride	62	1.617	1.610	(0.227)	10022	0.50000	0.66(a)
13 1,1-Dichloroethene	61	2.953	2.956	(0.415)	15643	0.50000	0.60(a)
22 trans 1,2-Dichloroethene	61	4.023	4.024	(0.565)	16182	0.50000	0.57(a)
29 cis-1,2-Dichloroethene	96	5.593	5.596	(0.785)	10059	0.50000	0.54(aQ)
32 Chloroform	83	5.809	5.816	(0.816)	15880	0.50000	0.54(a)
38 Carbon tetrachloride	117	6.636	6.636	(0.932)	7996	0.50000	0.58(a)
40 1,2-Dichloroethane	62	6.853	6.853	(0.962)	11903	0.50000	0.50(a)
41 Benzene	78	6.852	6.850	(0.962)	41745	0.50000	0.56(a)
* 42 FLUOROBENZENE (IS)	96	7.123	7.124	(1.000)	3181293	50.0000	
43 Trichloroethylene	130	7.578	7.577	(1.064)	8675	0.50000	0.57(a)
45 1,2-Dichloropropane	63	7.785	7.783	(1.093)	10452	0.50000	0.52(a)
47 Bromodichloromethane	83	8.037	8.039	(1.128)	10064	0.50000	0.52(a)
52 cis 1,3-Dichloropropene	75	8.644	8.643	(1.214)	10861	0.50000	0.45(a)
54 Toluene	92	8.966	8.969	(1.259)	22027	0.50000	0.53(a)
58 1,3-Dichloropropane	76	9.594	9.594	(0.919)	13947	0.50000	0.55(a)
59 Tetrachloroethylene	164	9.643	9.642	(0.924)	6310	0.50000	0.62(a)
60 Dibromochloromethane	129	9.847	9.849	(0.943)	5420	0.50000	0.51(a)
* 63 CHLOROBENZENE d5 (IS)	117	10.442	10.443	(1.000)	2231171	50.0000	
64 Chlorobenzene	112	10.480	10.481	(1.004)	21835	0.50000	0.54(a)

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	10.528	10.530	(1.008)	5159	0.50000	0.48(aq)
66 Ethylbenzene	106	10.539	10.540	(1.009)	12792	0.50000	0.58(aq)
67 p,m-Xylene	106	10.620	10.619	(1.017)	33006	1.00000	1.1(a)
68 o-Xylene	91	11.052	11.057	(1.058)	33748	0.50000	0.54(a)
73 1,1,2,2-Tetrachloroethane	83	11.598	11.598	(0.902)	8212	0.50000	0.50(a)
85 1,3-Dichlorobenzene	146	12.782	12.782	(0.994)	14818	0.50000	0.52(a)
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.857	12.858	(1.000)	1066965	50.0000	
87 1,4-Dichlorobenzene	146	12.888	12.890	(1.002)	15833	0.50000	0.56(a)
90 1,2-Dichlorobenzene	146	13.261	13.259	(1.031)	13290	0.50000	0.51(a)
93 Hexachlorobutadiene	223	14.877	14.877	(1.157)	1951	0.50000	0.67(aq)

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: 500PPT.D
Lab Smp Id: 500PPT
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 500PPT
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3181293	-1.76
63 CHLOROBENZENE d5	2294514	1147257	4589028	2231171	-2.76
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1066965	-6.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.02
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	0.01
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	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\M3121509C.b\500PPT.D

Date : 15-DEC-2009 06:41

Client ID: 500PPT

Instrument: vms03.i

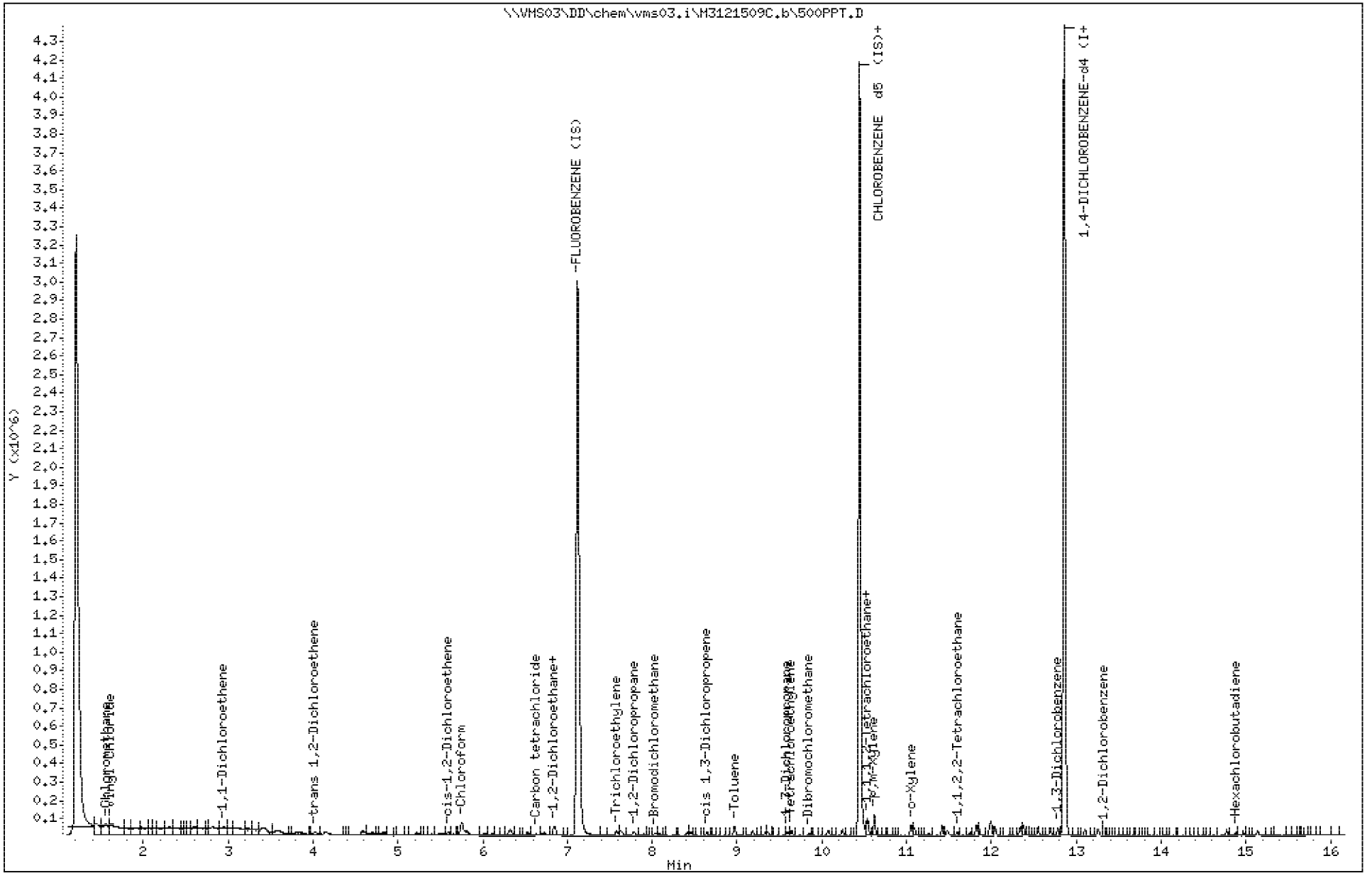
Sample Info: 500PPT

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121509C.b\1PPB.D
Lab Smp Id: 1PPB Client Smp ID: 1PPB
Inj Date : 15-DEC-2009 07:05
Operator : Inst ID: vms03.i
Smp Info : 1PPB
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Meth Date : 29-Dec-2009 10:26 lpelo Quant Type: ISTD
Cal Date : 07-DEC-2009 08:58 Cal File: CAL10.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 * 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				47569	2.00000	2.0
M 2 Xylenes (Total)	100				133588	3.00000	3.2
M 3 Trihalomethanes (Total)	100				67837	1.00000	4.0
4 Dichlorodifluoromethane	85	1.327	1.327	(0.186)	15442	1.00000	0.88(a)
5 Chloromethane	50	1.531	1.520	(0.215)	11151	1.00000	0.88(a)
6 Vinyl Chloride	62	1.613	1.610	(0.227)	12676	1.00000	0.82(a)
7 Bromomethane	96	1.997	1.994	(0.280)	8861	1.00000	1.1(a)
8 Chloroethane	64	2.062	2.069	(0.290)	8291	1.00000	0.95(a)
9 Trichlorofluoromethane	101	2.303	2.298	(0.323)	14168	1.00000	0.86(a)
11 1,1,2 Trichlorotrifluoromethan	101	2.759	2.773	(0.387)	9884	1.00000	0.87(aqM)
13 1,1-Dichloroethene	61	2.958	2.956	(0.415)	27466	1.00000	1.0
109 t-Butyl-Alcohol	59	3.096	3.074	(0.435)	24869	10.0000	12.3(q)
14 Acetonitrile	41	3.423	3.424	(0.481)	31972	10.0000	10.3
15 Iodomethane	142	3.316	3.321	(0.466)	10195	1.00000	0.86(a)
16 Methyl Acetate	43	3.404	3.400	(0.478)	16966	1.00000	1.1
17 Allyl Chloride	41	3.423	3.424	(0.481)	31972	1.00000	1.0
18 Carbon Disulfide	76	3.555	3.553	(0.499)	57076	1.00000	1.1
19 Methylene Chloride	49	3.584	3.581	(0.503)	40246	1.00000	1.2(a)
20 Acrylonitrile	53	3.797	3.791	(0.533)	13924	2.00000	2.0(q)
21 Methyl-tert-butyl ether	73	3.855	3.832	(0.541)	45896	1.00000	1.1
22 trans 1,2-Dichloroethene	61	4.025	4.024	(0.565)	27603	1.00000	0.96(a)
23 1,1-Dichloroethane	63	4.702	4.700	(0.660)	39532	1.00000	1.1
24 Vinyl Acetate	43	4.759	4.761	(0.668)	26748	1.00000	0.94(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
25 Chloroprene	53	4.837	4.834	(0.679)	28145	1.00000	0.95
26 2-Butanone	43	5.387	5.377	(0.756)	28687	2.00000	3.0(a)
27 Propionitrile	54	5.493	5.482	(0.771)	23592	10.0000	11.2
28 2,2-Dichloropropane	77	5.538	5.529	(0.778)	14172	1.00000	0.97(a)
29 cis-1,2-Dichloroethene	96	5.594	5.596	(0.785)	19966	1.00000	1.1
30 Methyacrylonitrile	67	5.755	5.753	(0.808)	71971	10.0000	10.9
31 Isobutyl Alcohol	43	5.831	5.826	(0.819)	9377	20.0000	39.6(q)
32 Chloroform	83	5.818	5.816	(0.817)	32741	1.00000	1.1
33 Bromochloromethane	49	6.027	6.021	(0.846)	19552	1.00000	1.0
35 1,1,1-Trichloroethane	97	6.324	6.329	(0.888)	17981	1.00000	0.93(a)
36 Cyclohexane	56	6.330	6.326	(0.889)	28171	1.00000	0.95(a)
37 1,1-Dichloropropene	75	6.525	6.532	(0.916)	23651	1.00000	1.0
38 Carbon tetrachloride	117	6.632	6.636	(0.931)	11868	1.00000	0.85(a)
40 1,2-Dichloroethane	62	6.857	6.853	(0.963)	26374	1.00000	1.1
41 Benzene	78	6.849	6.850	(0.962)	80255	1.00000	1.1
* 42 FLUOROBENZENE (IS)	96	7.123	7.124	(1.000)	3224675	50.0000	
43 Trichloroethylene	130	7.572	7.577	(1.063)	16770	1.00000	1.1
44 Methyl Cyclohexane	55	7.633	7.634	(1.072)	21463	1.00000	1.0(a)
45 1,2-Dichloropropane	63	7.781	7.783	(1.092)	22596	1.00000	1.1
46 Methyl Methacrylate	69	7.900	7.893	(1.109)	7697	1.00000	0.90
47 Bromodichloromethane	83	8.037	8.039	(1.128)	19376	1.00000	0.98(a)
48 1,4 Dioxane	88	8.101	8.092	(1.137)	1817	20.0000	20.2(q)
49 Dibromomethane	93	8.084	8.087	(1.135)	10274	1.00000	1.0
50 4-Methyl-2-Pentanone	58	8.448	8.443	(1.186)	13759	2.00000	2.3(a)
51 2-Hexanone	43	9.365	9.360	(0.897)	34831	2.00000	2.8(a)
52 cis 1,3-Dichloropropene	75	8.643	8.643	(1.213)	25620	1.00000	1.0
54 Toluene	92	8.968	8.969	(1.259)	47232	1.00000	1.1
55 trans 1,3-Dichloropropene	75	9.176	9.178	(1.288)	18661	1.00000	0.97(a)
56 Ethyl Methacrylate	69	9.191	9.188	(1.290)	11644	1.00000	0.80(a)
57 1,1,2-Trichloroethane	97	9.332	9.333	(1.310)	14566	1.00000	1.1
58 1,3-Dichloropropane	76	9.594	9.594	(0.919)	29518	1.00000	1.1
59 Tetrachloroethylene	164	9.640	9.642	(0.923)	11402	1.00000	1.1
60 Dibromochloromethane	129	9.847	9.849	(0.943)	10180	1.00000	0.94(a)
61 1,2-Dibromoethane	107	10.054	10.052	(0.963)	13499	1.00000	1.1
62 1-Chlorohexane	91	10.234	10.239	(0.980)	18577	1.00000	0.98(a)
* 63 CHLOROBENZENE d5 (IS)	117	10.442	10.443	(1.000)	2295110	50.0000	
64 Chlorobenzene	112	10.480	10.481	(1.004)	48055	1.00000	1.2
65 1,1,1,2-Tetrachloroethane	131	10.530	10.530	(1.008)	11744	1.00000	1.0(q)
66 Ethylbenzene	106	10.540	10.540	(1.009)	23767	1.00000	1.0(q)
67 p,m-Xylene	106	10.617	10.619	(1.017)	62400	2.00000	2.1(q)
68 o-Xylene	91	11.057	11.057	(1.059)	71188	1.00000	1.1
69 Styrene	104	11.092	11.094	(1.062)	43159	1.00000	1.0
70 Bromoform	173	11.431	11.427	(1.095)	5540	1.00000	1.0
71 1-Methylethylbenzene	105	11.420	11.421	(0.888)	71799	1.00000	1.1
72 1,4-Dichloro-2-Butene	53	11.477	11.476	(0.893)	4272	2.00000	1.9(q)
73 1,1,2,2-Tetrachloroethane	83	11.599	11.598	(0.902)	18594	1.00000	1.1
75 1,2,3- trichloropropane	110	11.743	11.745	(0.913)	4542	1.00000	1.0(q)
76 n-Propylbenzene	91	11.825	11.824	(0.920)	82758	1.00000	1.1
77 Bromobenzene	77	11.859	11.859	(0.922)	39662	1.00000	1.1
78 1,3,5-Trimethylbenzene	105	11.982	11.984	(0.932)	57090	1.00000	1.1
79 2-Chlorotoluene	91	11.996	11.998	(0.933)	63916	1.00000	1.1
80 4-Chlorotoluene	91	12.045	12.046	(0.937)	61451	1.00000	1.1
81 tert-Butylbenzene	119	12.338	12.340	(0.960)	49198	1.00000	1.1
82 1,2,4-trimethylbenzene	105	12.377	12.377	(0.963)	63044	1.00000	1.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
83 sec-Butylbenzene	105	12.553	12.554	(0.976)	60486	1.00000	1.0
84 p-Isopropyltoluene	119	12.692	12.693	(0.987)	48545	1.00000	1.1
85 1,3-Dichlorobenzene	146	12.782	12.782	(0.994)	33863	1.00000	1.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.857	12.858	(1.000)	1083207	50.0000	
87 1,4-Dichlorobenzene	146	12.889	12.890	(1.002)	32547	1.00000	1.1
88 Benzyl Chloride	91	13.012	13.009	(1.012)	13418	1.00000	0.80
89 n-Butylbenzene	91	13.103	13.104	(1.019)	42163	1.00000	1.0
90 1,2-Dichlorobenzene	146	13.261	13.259	(1.031)	29336	1.00000	1.1
92 1,2,4-Trichlorobenzene	180	14.767	14.771	(1.148)	14653	1.00000	1.2
93 Hexachlorobutadiene	223	14.874	14.877	(1.157)	3468	1.00000	1.2
94 Naphthalene	128	14.956	14.961	(1.163)	29556	1.00000	0.98(a)
95 1,2,3-trichlorobenzene	180	15.132	15.138	(1.177)	11026	1.00000	1.0
103 Isopropyl Ether	45	4.601	4.589	(0.646)	90973	1.00000	1.2
104 Ethyl acetate	43	5.663	5.651	(0.795)	27322	2.00000	2.0(q)
105 Cyclohexanone	55	11.478	11.478	(1.099)	22874	10.0000	10.8
106 Ethyl ether	59	2.597	2.594	(0.365)	17331	1.00000	1.2(a)
107 2-Nitropropane	43	8.144	8.143	(1.143)	5047	2.00000	2.8(a)
108 Tetrahydrofuran	42	6.109	6.084	(0.858)	12024	2.00000	2.5(a)
111 Isobutene	41	1.552	1.549	(0.218)	28144	20.0000	39.5
113 2-chloro-1,1,1-trifluoroethan	118	1.621	1.615	(0.228)	11668	1.00000	0.91(a)
114 Bromoethane	108	3.228	3.229	(0.453)	8376	1.00000	1.0(a)
115 n-Hexane	57	4.153	4.150	(0.583)	23308	1.00000	1.0(q)
116 tert-Butyl ethyl ether	59	5.220	5.211	(0.733)	47277	1.00000	1.0(a)
118 tert-Amyl alcohol	59	6.099	6.088	(0.856)	6435	20.0000	15.6
119 tert-Amyl-methyl ether	73	6.725	6.715	(0.944)	37145	1.00000	1.0(a)
120 3,3-dimethyl-1-butanol	57	9.260	9.253	(1.300)	7253	20.0000	21.0(q)
121 2-Cleve	63	8.414	8.414	(1.181)	11706	2.00000	1.7(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
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: 1PPB.D
Lab Smp Id: 1PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 1PPB
Level: LOW
Sample Type: WATER

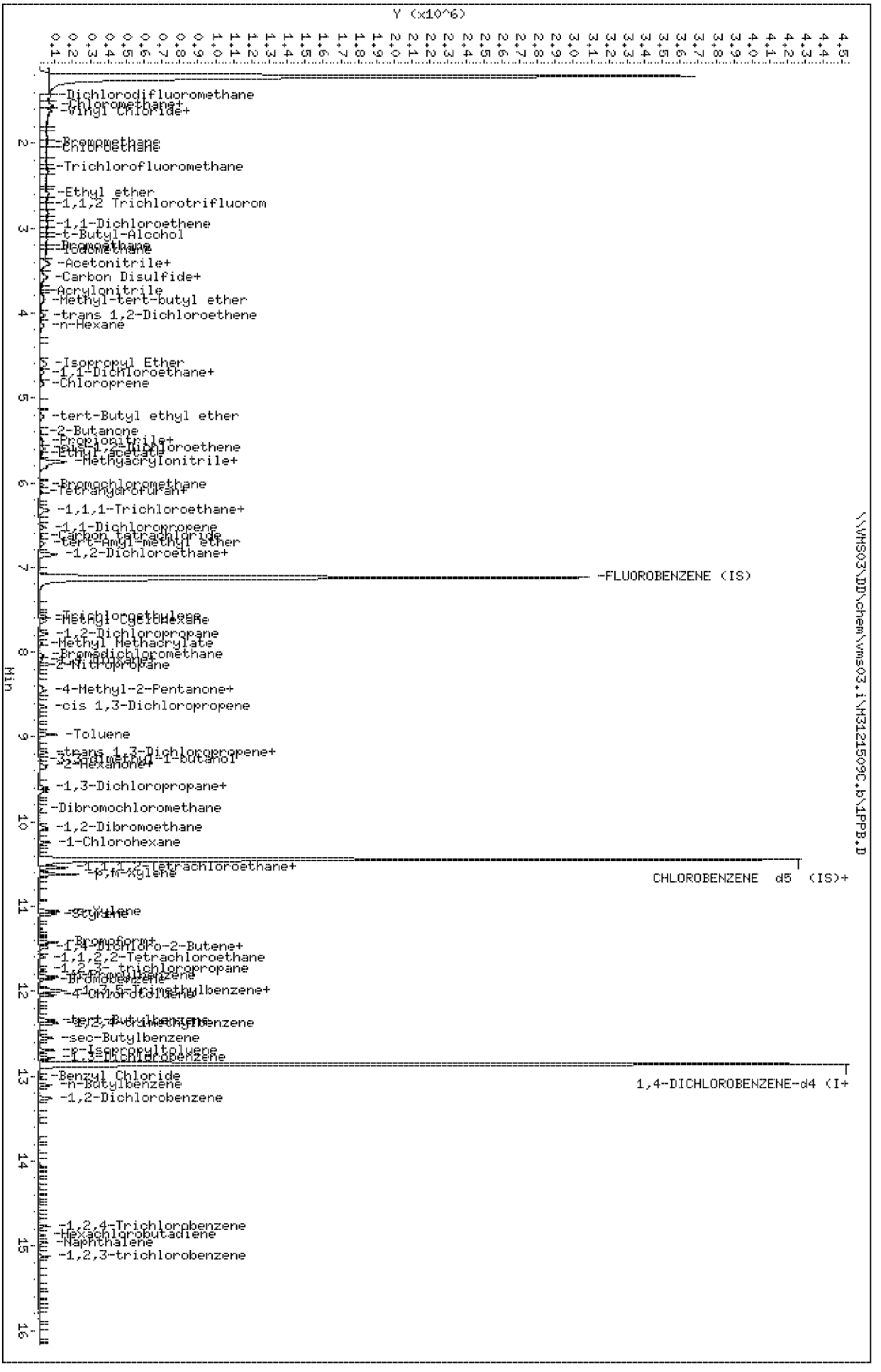
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3224675	-0.42
63 CHLOROBENZENE d5	2294514	1147257	4589028	2295110	0.03
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1083207	-4.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.02
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	0.01
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	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\M3121509C.b\1PPB.D
Date : 15-DEC-2009 07:05
Client ID: 1PPB
Sample Info: 1PPB
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121509C.b\2PPB.D
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Inj Date : 15-DEC-2009 07:28
Operator : Inst ID: vms03.i
Smp Info : 2PPB
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Meth Date : 29-Dec-2009 10:26 lpelo Quant Type: ISTD
Cal Date : 07-DEC-2009 08:58 Cal File: CAL10.D
Als bottle: 5 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				82344	4.00000	(a)
M 2 Xylenes (Total)	100				211768	6.00000	(a)
M 3 Trihalomethanes (Total)	100				109608	2.00000	(a)
4 Dichlorodifluoromethane	85	1.327	1.327	(0.186)	28799	2.00000	1.7
5 Chloromethane	50	1.528	1.520	(0.215)	26648	2.00000	2.2(M)
6 Vinyl Chloride	62	1.620	1.610	(0.228)	26405	2.00000	1.8
7 Bromomethane	96	1.997	1.994	(0.280)	13895	2.00000	1.8(aq)
8 Chloroethane	64	2.081	2.069	(0.292)	14675	2.00000	1.7
9 Trichlorofluoromethane	101	2.296	2.298	(0.322)	26885	2.00000	1.7
10 Acrolein	56	2.746	2.738	(0.386)	4793	4.00000	4.3
11 1,1,2 Trichlorotrifluoromethan	101	2.782	2.773	(0.391)	19036	2.00000	1.8(a)
12 Acetone	43	2.818	2.813	(0.396)	30344	4.00000	4.0(aM)
13 1,1-Dichloroethene	61	2.956	2.956	(0.415)	44330	2.00000	1.7
109 t-Butyl-Alcohol	59	3.086	3.074	(0.433)	38755	20.0000	19.5(q)
14 Acetonitrile	41	3.423	3.424	(0.481)	57099	20.0000	18.8
15 Iodomethane	142	3.315	3.321	(0.465)	18563	2.00000	1.6(a)
16 Methyl Acetate	43	3.402	3.400	(0.478)	33032	2.00000	2.2
17 Allyl Chloride	41	3.423	3.424	(0.481)	57099	2.00000	1.9
18 Carbon Disulfide	76	3.555	3.553	(0.499)	87972	2.00000	1.7
19 Methylene Chloride	49	3.582	3.581	(0.503)	62400	2.00000	2.0
20 Acrylonitrile	53	3.790	3.791	(0.532)	26153	4.00000	3.9
21 Methyl-tert-butyl ether	73	3.848	3.832	(0.540)	74491	2.00000	1.8
22 trans 1,2-Dichloroethene	61	4.023	4.024	(0.565)	50346	2.00000	1.8

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	4.695	4.700	(0.659)	62866	2.00000	1.8
24 Vinyl Acetate	43	4.762	4.761	(0.669)	48154	2.00000	1.7
25 Chloroprene	53	4.828	4.834	(0.678)	46545	2.00000	1.6
26 2-Butanone	43	5.388	5.377	(0.756)	39470	4.00000	4.2(a)
27 Propionitrile	54	5.490	5.482	(0.771)	38332	20.0000	18.6
28 2,2-Dichloropropane	77	5.532	5.529	(0.777)	23220	2.00000	1.6
29 cis-1,2-Dichloroethene	96	5.596	5.596	(0.786)	31998	2.00000	1.7
30 Methyacrylonitrile	67	5.757	5.753	(0.808)	118273	20.0000	18.3
31 Isobutyl Alcohol	43	5.829	5.826	(0.818)	11676	40.0000	50.3(Q)
32 Chloroform	83	5.807	5.816	(0.815)	51493	2.00000	1.8
33 Bromochloromethane	49	6.020	6.021	(0.845)	33406	2.00000	1.8
35 1,1,1-Trichloroethane	97	6.328	6.329	(0.888)	31762	2.00000	1.7
36 Cyclohexane	56	6.327	6.326	(0.888)	45879	2.00000	1.6(a)
37 1,1-Dichloropropene	75	6.532	6.532	(0.917)	36945	2.00000	1.6
38 Carbon tetrachloride	117	6.636	6.636	(0.932)	22894	2.00000	1.7
40 1,2-Dichloroethane	62	6.854	6.853	(0.962)	45558	2.00000	1.9
41 Benzene	78	6.848	6.850	(0.961)	130181	2.00000	1.8
* 42 FLUOROBENZENE (IS)	96	7.123	7.124	(1.000)	3157454	50.0000	
43 Trichloroethylene	130	7.577	7.577	(1.064)	26262	2.00000	1.7
44 Methyl Cyclohexane	55	7.638	7.634	(1.072)	34865	2.00000	1.7(a)
45 1,2-Dichloropropane	63	7.782	7.783	(1.093)	34716	2.00000	1.7
46 Methyl Methacrylate	69	7.895	7.893	(1.108)	12687	2.00000	1.5
47 Bromodichloromethane	83	8.038	8.039	(1.129)	33537	2.00000	1.7
48 1,4 Dioxane	88	8.099	8.092	(1.137)	4601	40.0000	52.3(q)
49 Dibromomethane	93	8.087	8.087	(1.135)	16700	2.00000	1.8
50 4-Methyl-2-Pentanone	58	8.447	8.443	(1.186)	23159	4.00000	3.9(aq)
51 2-Hexanone	43	9.363	9.360	(0.897)	48424	4.00000	4.0(a)
52 cis 1,3-Dichloropropene	75	8.644	8.643	(1.214)	41059	2.00000	1.7
54 Toluene	92	8.968	8.969	(1.259)	72939	2.00000	1.8
55 trans 1,3-Dichloropropene	75	9.178	9.178	(1.289)	29563	2.00000	1.6
56 Ethyl Methacrylate	69	9.191	9.188	(1.290)	20560	2.00000	1.4
57 1,1,2-Trichloroethane	97	9.331	9.333	(1.310)	26260	2.00000	2.0
58 1,3-Dichloropropane	76	9.595	9.594	(0.919)	46403	2.00000	1.8
59 Tetrachloroethylene	164	9.642	9.642	(0.923)	16103	2.00000	1.6
60 Dibromochloromethane	129	9.847	9.849	(0.943)	16570	2.00000	1.6
61 1,2-Dibromoethane	107	10.050	10.052	(0.962)	21585	2.00000	1.8
62 1-Chlorohexane	91	10.239	10.239	(0.981)	28917	2.00000	1.6
* 63 CHLOROBENZENE d5 (IS)	117	10.442	10.443	(1.000)	2217023	50.0000	
64 Chlorobenzene	112	10.479	10.481	(1.004)	72288	2.00000	1.8
65 1,1,1,2-Tetrachloroethane	131	10.528	10.530	(1.008)	16784	2.00000	1.6(q)
66 Ethylbenzene	106	10.540	10.540	(1.009)	37941	2.00000	1.7(q)
67 p,m-Xylene	106	10.617	10.619	(1.017)	99302	4.00000	3.4
68 o-Xylene	91	11.055	11.057	(1.059)	112466	2.00000	1.8
69 Styrene	104	11.092	11.094	(1.062)	72876	2.00000	1.7
70 Bromoform	173	11.424	11.427	(1.094)	8008	2.00000	1.5
71 1-Methylethylbenzene	105	11.419	11.421	(0.888)	110870	2.00000	1.8
72 1,4-Dichloro-2-Butene	53	11.473	11.476	(0.892)	6412	4.00000	3.0(q)
73 1,1,2,2-Tetrachloroethane	83	11.598	11.598	(0.902)	30743	2.00000	1.9
75 1,2,3- trichloropropane	110	11.741	11.745	(0.913)	8307	2.00000	2.0
76 n-Propylbenzene	91	11.824	11.824	(0.920)	133623	2.00000	1.8
77 Bromobenzene	77	11.859	11.859	(0.922)	65723	2.00000	1.9
78 1,3,5-Trimethylbenzene	105	11.983	11.984	(0.932)	93508	2.00000	1.8
79 2-Chlorotoluene	91	11.997	11.998	(0.933)	98652	2.00000	1.8
80 4-Chlorotoluene	91	12.045	12.046	(0.937)	101034	2.00000	1.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
81 tert-Butylbenzene	119	12.338	12.340	(0.960)	69867	2.00000	1.6
82 1,2,4-trimethylbenzene	105	12.377	12.377	(0.963)	100717	2.00000	1.8
83 sec-Butylbenzene	105	12.553	12.554	(0.976)	97871	2.00000	1.7
84 p-Isopropyltoluene	119	12.691	12.693	(0.987)	77275	2.00000	1.7
85 1,3-Dichlorobenzene	146	12.781	12.782	(0.994)	51188	2.00000	1.8
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.858	12.858	(1.000)	1056058	50.0000	
87 1,4-Dichlorobenzene	146	12.890	12.890	(1.003)	51641	2.00000	1.8(q)
88 Benzyl Chloride	91	13.009	13.009	(1.012)	21875	2.00000	1.3
89 n-Butylbenzene	91	13.103	13.104	(1.019)	68152	2.00000	1.7
90 1,2-Dichlorobenzene	146	13.259	13.259	(1.031)	49252	2.00000	1.9
91 1,2-dibromo-3-chloropropane	75	14.050	14.045	(1.093)	3166	2.00000	1.6
92 1,2,4-Trichlorobenzene	180	14.768	14.771	(1.149)	21349	2.00000	1.7
93 Hexachlorobutadiene	223	14.873	14.877	(1.157)	4310	2.00000	1.5(q)
94 Naphthalene	128	14.956	14.961	(1.163)	53195	2.00000	1.8
95 1,2,3-trichlorobenzene	180	15.132	15.138	(1.177)	19014	2.00000	1.9
103 Isopropyl Ether	45	4.593	4.589	(0.645)	141835	2.00000	1.8
104 Ethyl acetate	43	5.658	5.651	(0.794)	45138	4.00000	3.4(q)
105 Cyclohexanone	55	11.481	11.478	(1.099)	37947	20.0000	18.5
106 Ethyl ether	59	2.597	2.594	(0.365)	25160	2.00000	1.7(aq)
107 2-Nitropropane	43	8.146	8.143	(1.144)	8941	4.00000	5.1(aq)
108 Tetrahydrofuran	42	6.105	6.084	(0.857)	20769	4.00000	4.4(a)
110 Chlorotrifluoroethylene	116	1.295	1.296	(0.182)	4011	2.00000	1.2(a)
111 Isobutene	41	1.550	1.549	(0.218)	38996	40.0000	55.9
113 2-chloro-1,1,1-trifluoroethan	118	1.625	1.615	(0.228)	25545	2.00000	2.0(a)
114 Bromoethane	108	3.232	3.229	(0.454)	13756	2.00000	1.8(a)
115 n-Hexane	57	4.149	4.150	(0.582)	35855	2.00000	1.6(Q)
116 tert-Butyl ethyl ether	59	5.224	5.211	(0.733)	76116	2.00000	1.7(a)
118 tert-Amyl alcohol	59	6.098	6.088	(0.856)	15247	40.0000	37.7
119 tert-Amyl-methyl ether	73	6.721	6.715	(0.944)	61726	2.00000	1.7(a)
120 3,3-dimethyl-1-butanol	57	9.260	9.253	(1.300)	11174	40.0000	33.1
121 2-Cleve	63	8.415	8.414	(1.181)	23765	4.00000	3.5(aq)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
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: 2PPB.D
Lab Smp Id: 2PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 2PPB
Level: LOW
Sample Type: WATER

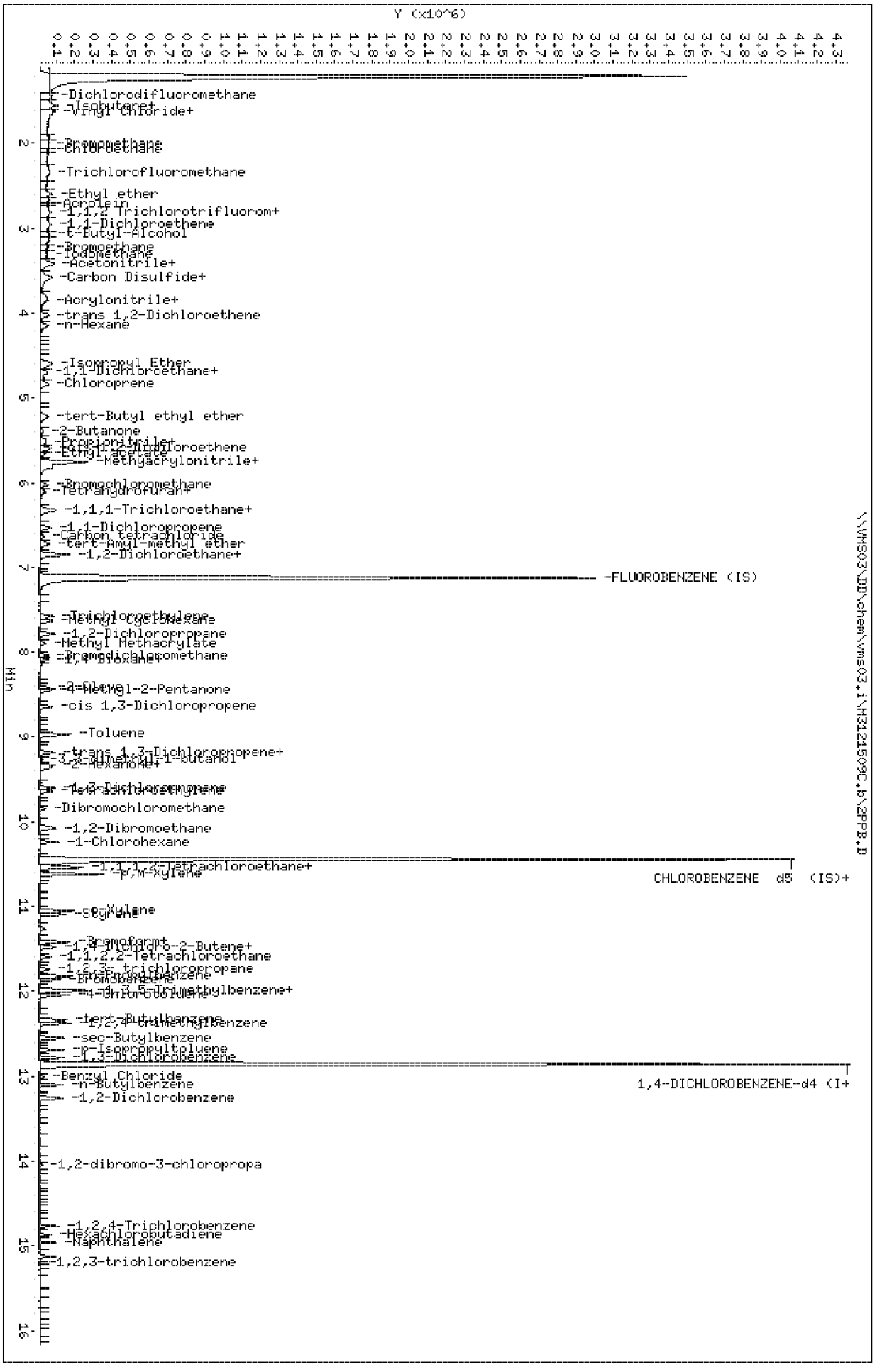
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3157454	-2.50
63 CHLOROBENZENE d5	2294514	1147257	4589028	2217023	-3.38
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1056058	-7.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.02
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	0.01
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	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\M3121509C.b\2PPB.D
Date : 15-DEC-2009 07:28
Client ID: 2PPB
Sample Info: 2PPB
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121509C.b\5PPB.D
Lab Smp Id: 5PPB Client Smp ID: 5PPB
Inj Date : 15-DEC-2009 07:52
Operator : Inst ID: vms03.i
Smp Info : 5PPB
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Meth Date : 29-Dec-2009 10:26 lpelo Quant Type: ISTD
Cal Date : 07-DEC-2009 08:58 Cal File: CAL10.D
Als bottle: 6 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				211692	10.0000	(a)
M 2 Xylenes (Total)	100				546774	15.0000	(a)
M 3 Trihalomethanes (Total)	100				288660	5.00000	(a)
4 Dichlorodifluoromethane	85	1.327	1.327	(0.186)	75333	5.00000	4.4
5 Chloromethane	50	1.523	1.520	(0.214)	50034	5.00000	4.0
6 Vinyl Chloride	62	1.616	1.610	(0.227)	71262	5.00000	4.7
7 Bromomethane	96	1.996	1.994	(0.280)	36767	5.00000	4.6
8 Chloroethane	64	2.070	2.069	(0.291)	41697	5.00000	4.8
9 Trichlorofluoromethane	101	2.298	2.298	(0.323)	77581	5.00000	4.8
10 Acrolein	56	2.740	2.738	(0.385)	13626	10.0000	12.0
11 1,1,2 Trichlorotrifluoromethan	101	2.779	2.773	(0.390)	52152	5.00000	4.8(a)
12 Acetone	43	2.819	2.813	(0.396)	83023	10.0000	10.9
13 1,1-Dichloroethene	61	2.951	2.956	(0.414)	114922	5.00000	4.4
109 t-Butyl-Alcohol	59	3.085	3.074	(0.433)	101260	50.0000	50.6
14 Acetonitrile	41	3.425	3.424	(0.481)	137337	50.0000	44.8
15 Iodomethane	142	3.318	3.321	(0.466)	48700	5.00000	4.2
16 Methyl Acetate	43	3.407	3.400	(0.478)	72276	5.00000	4.9
17 Allyl Chloride	41	3.425	3.424	(0.481)	137337	5.00000	4.5
18 Carbon Disulfide	76	3.556	3.553	(0.499)	234404	5.00000	4.5
19 Methylene Chloride	49	3.583	3.581	(0.503)	152634	5.00000	4.7
20 Acrylonitrile	53	3.795	3.791	(0.533)	67126	10.0000	10
21 Methyl-tert-butyl ether	73	3.839	3.832	(0.539)	193120	5.00000	4.5
22 trans 1,2-Dichloroethene	61	4.025	4.024	(0.565)	127082	5.00000	4.5

	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	4.703	4.700	(0.660)	166718	5.00000	4.6
	24 Vinyl Acetate	43	4.765	4.761	(0.669)	122625	5.00000	4.4
	25 Chloroprene	53	4.834	4.834	(0.679)	135603	5.00000	4.6
	26 2-Butanone	43	5.383	5.377	(0.756)	94682	10.0000	9.9
	27 Propionitrile	54	5.487	5.482	(0.770)	101316	50.0000	48.7
	28 2,2-Dichloropropane	77	5.532	5.529	(0.777)	63369	5.00000	4.4
	29 cis-1,2-Dichloroethene	96	5.595	5.596	(0.785)	84610	5.00000	4.6
	30 Methyacrylonitrile	67	5.752	5.753	(0.808)	321652	50.0000	49.3
	31 Isobutyl Alcohol	43	5.836	5.826	(0.819)	28095	100.000	120(Q)
	32 Chloroform	83	5.812	5.816	(0.816)	135058	5.00000	4.6
	33 Bromochloromethane	49	6.021	6.021	(0.845)	83882	5.00000	4.5
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.103	6.104	(0.857)	68902	5.00000	5.2
	35 1,1,1-Trichloroethane	97	6.327	6.329	(0.888)	86422	5.00000	4.5
	36 Cyclohexane	56	6.329	6.326	(0.888)	128021	5.00000	4.3(a)
	37 1,1-Dichloropropene	75	6.530	6.532	(0.917)	102190	5.00000	4.5
	38 Carbon tetrachloride	117	6.636	6.636	(0.932)	56612	5.00000	4.1
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.742	6.739	(0.947)	16260	5.00000	5.0(q)
	40 1,2-Dichloroethane	62	6.854	6.853	(0.962)	114908	5.00000	4.8
	41 Benzene	78	6.851	6.850	(0.962)	334641	5.00000	4.5
*	42 FLUOROBENZENE (IS)	96	7.123	7.124	(1.000)	3189182	50.0000	
	43 Trichloroethylene	130	7.579	7.577	(1.064)	68444	5.00000	4.5
	44 Methyl Cyclohexane	55	7.632	7.634	(1.071)	88240	5.00000	4.3(a)
	45 1,2-Dichloropropane	63	7.785	7.783	(1.093)	94556	5.00000	4.6
	46 Methyl Methacrylate	69	7.894	7.893	(1.108)	35046	5.00000	4.1
	47 Bromodichloromethane	83	8.039	8.039	(1.129)	86997	5.00000	4.5
	48 1,4 Dioxane	88	8.096	8.092	(1.137)	7647	100.000	86.0(q)
	49 Dibromomethane	93	8.089	8.087	(1.136)	44630	5.00000	4.6
	50 4-Methyl-2-Pentanone	58	8.449	8.443	(1.186)	57515	10.0000	9.7(q)
	51 2-Hexanone	43	9.364	9.360	(0.897)	116586	10.0000	9.5
	52 cis 1,3-Dichloropropene	75	8.641	8.643	(1.213)	108790	5.00000	4.5
$	53 TOLUENE d8 (surr)	98	8.886	8.886	(1.247)	269644	5.00000	5.3
	54 Toluene	92	8.968	8.969	(1.259)	195452	5.00000	4.7
	55 trans 1,3-Dichloropropene	75	9.177	9.178	(1.288)	82158	5.00000	4.3
	56 Ethyl Methacrylate	69	9.189	9.188	(1.290)	55427	5.00000	3.8
	57 1,1,2-Trichloroethane	97	9.332	9.333	(1.310)	62718	5.00000	4.7
	58 1,3-Dichloropropane	76	9.594	9.594	(0.919)	118385	5.00000	4.6
	59 Tetrachloroethylene	164	9.643	9.642	(0.923)	44408	5.00000	4.3
	60 Dibromochloromethane	129	9.849	9.849	(0.943)	46003	5.00000	4.3
	61 1,2-Dibromoethane	107	10.054	10.052	(0.963)	58925	5.00000	4.7
	62 1-Chlorohexane	91	10.238	10.239	(0.980)	83764	5.00000	4.4
*	63 CHLOROBENZENE d5 (IS)	117	10.442	10.443	(1.000)	2268580	50.0000	
	64 Chlorobenzene	112	10.481	10.481	(1.004)	187030	5.00000	4.5
	65 1,1,1,2-Tetrachloroethane	131	10.529	10.530	(1.008)	47819	5.00000	4.4
	66 Ethylbenzene	106	10.539	10.540	(1.009)	104778	5.00000	4.6
	67 p,m-Xylene	106	10.618	10.619	(1.017)	260262	10.0000	8.8
	68 o-Xylene	91	11.055	11.057	(1.059)	286512	5.00000	4.6
	69 Styrene	104	11.093	11.094	(1.062)	194002	5.00000	4.5
	70 Bromoform	173	11.426	11.427	(1.094)	20602	5.00000	3.8
	71 1-Methylethylbenzene	105	11.421	11.421	(0.888)	292634	5.00000	4.6
	72 1,4-Dichloro-2-Butene	53	11.473	11.476	(0.892)	18844	10.0000	8.5(q)
	73 1,1,2,2-Tetrachloroethane	83	11.598	11.598	(0.902)	79815	5.00000	4.8
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.670	11.671	(0.908)	104857	5.00000	5.5
	75 1,2,3- trichloropropane	110	11.745	11.745	(0.913)	22644	5.00000	5.2
	76 n-Propylbenzene	91	11.824	11.824	(0.920)	357127	5.00000	4.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	77 Bromobenzene	77	11.859	11.859	(0.922)	171158	5.00000	4.8
	78 1,3,5-Trimethylbenzene	105	11.983	11.984	(0.932)	255206	5.00000	4.7
	79 2-Chlorotoluene	91	11.996	11.998	(0.933)	269939	5.00000	4.8
	80 4-Chlorotoluene	91	12.046	12.046	(0.937)	261982	5.00000	4.8
	81 tert-Butylbenzene	119	12.339	12.340	(0.960)	214610	5.00000	4.9
	82 1,2,4-trimethylbenzene	105	12.375	12.377	(0.963)	270337	5.00000	4.8
	83 sec-Butylbenzene	105	12.553	12.554	(0.976)	274548	5.00000	4.7
	84 p-Isopropyltoluene	119	12.691	12.693	(0.987)	212265	5.00000	4.6
	85 1,3-Dichlorobenzene	146	12.782	12.782	(0.994)	135396	5.00000	4.7
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.858	12.858	(1.000)	1094620	50.0000	
	87 1,4-Dichlorobenzene	146	12.889	12.890	(1.002)	134984	5.00000	4.6
	88 Benzyl Chloride	91	13.008	13.009	(1.012)	61269	5.00000	3.6
	89 n-Butylbenzene	91	13.102	13.104	(1.019)	187512	5.00000	4.5
	90 1,2-Dichlorobenzene	146	13.259	13.259	(1.031)	125098	5.00000	4.7
	91 1,2-dibromo-3-chloropropane	75	14.045	14.045	(1.092)	9541	5.00000	4.6
	92 1,2,4-Trichlorobenzene	180	14.769	14.771	(1.149)	54519	5.00000	4.3
	93 Hexachlorobutadiene	223	14.874	14.877	(1.157)	12205	5.00000	4.1
	94 Naphthalene	128	14.959	14.961	(1.163)	139023	5.00000	4.6
	95 1,2,3-trichlorobenzene	180	15.135	15.138	(1.177)	49997	5.00000	4.7
	103 Isopropyl Ether	45	4.595	4.589	(0.645)	362956	5.00000	4.6
	104 Ethyl acetate	43	5.656	5.651	(0.794)	123282	10.0000	9.2(Q)
	105 Cyclohexanone	55	11.480	11.478	(1.099)	91220	50.0000	43.6
	106 Ethyl ether	59	2.599	2.594	(0.365)	67537	5.00000	4.6(a)
	107 2-Nitropropane	43	8.144	8.143	(1.143)	15818	10.0000	9.0(a)
	108 Tetrahydrofuran	42	6.098	6.084	(0.856)	49641	10.0000	10.3
	110 Chlorotrifluoroethylene	116	1.297	1.296	(0.182)	12226	5.00000	3.5(a)
	111 Isobutene	41	1.551	1.549	(0.218)	67132	100.000	95.3(A)
	112 Ethanol	45	2.138	2.137	(0.300)	35687	400.000	460
	113 2-chloro-1,1,1-trifluoroethan	118	1.620	1.615	(0.227)	65426	5.00000	5.2(a)
	114 Bromoethane	108	3.231	3.229	(0.454)	36824	5.00000	4.6(a)
	115 n-Hexane	57	4.148	4.150	(0.582)	94293	5.00000	4.2(q)
	116 tert-Butyl ethyl ether	59	5.216	5.211	(0.732)	207059	5.00000	4.5(a)
	118 tert-Amyl alcohol	59	6.097	6.088	(0.856)	30201	100.000	73.9
	119 tert-Amyl-methyl ether	73	6.718	6.715	(0.943)	167470	5.00000	4.7(a)
	120 3,3-dimethyl-1-butanol	57	9.259	9.253	(1.300)	24876	100.000	72.9
	121 2-Cleve	63	8.414	8.414	(1.181)	63506	10.0000	9.4(aq)

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: 5PPB.D
Lab Smp Id: 5PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 5PPB
Level: LOW
Sample Type: WATER

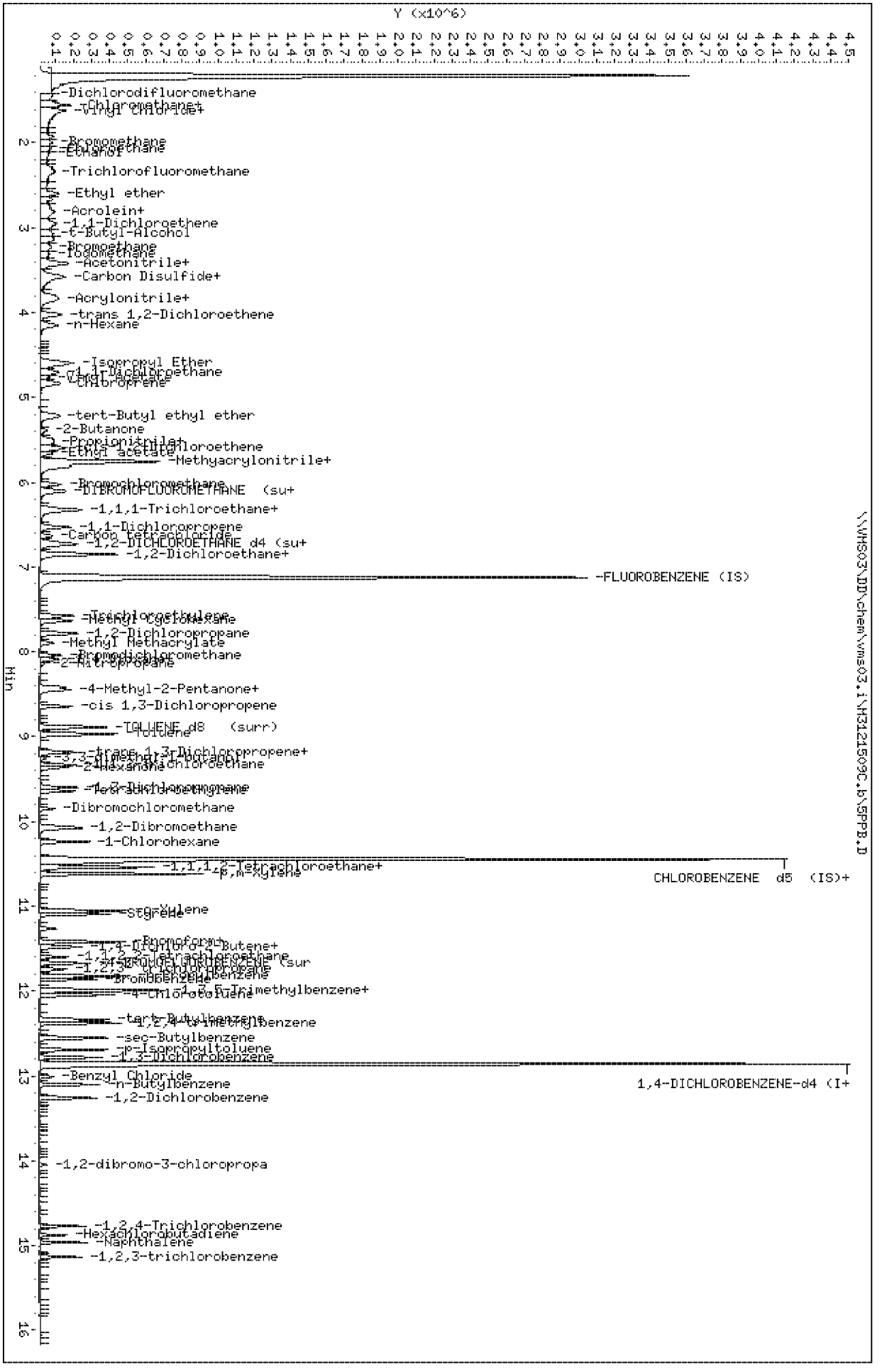
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3189182	-1.52
63 CHLOROBENZENE d5	2294514	1147257	4589028	2268580	-1.13
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1094620	-3.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.03
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	0.01
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	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\M3121509C.b\5PPB.D
Date : 15-DEC-2009 07:52
Client ID: 5PPB
Sample Info: 5PPB
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121509C.b\10PPB.D
Lab Smp Id: 10PPB Client Smp ID: 10PPB
Inj Date : 15-DEC-2009 08:15
Operator : Inst ID: vms03.i
Smp Info : 10PPB
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Meth Date : 29-Dec-2009 10:26 lpelo Quant Type: ISTD
Cal Date : 07-DEC-2009 08:58 Cal File: CAL10.D
Als bottle: 6 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				522565	20.0000	(a)
M 2 Xylenes (Total)	100				1320866	30.0000	(a)
M 3 Trihalomethanes (Total)	100				697133	10.0000	(a)
4 Dichlorodifluoromethane	85	1.327	1.327	(0.186)	176668	10.0000	10.1
5 Chloromethane	50	1.523	1.520	(0.214)	107150	10.0000	8.5
6 Vinyl Chloride	62	1.615	1.610	(0.227)	152209	10.0000	9.9
7 Bromomethane	96	1.998	1.994	(0.281)	77193	10.0000	9.5
8 Chloroethane	64	2.072	2.069	(0.291)	81577	10.0000	9.3
9 Trichlorofluoromethane	101	2.297	2.298	(0.323)	165054	10.0000	10.0
10 Acrolein	56	2.736	2.738	(0.384)	23416	20.0000	20.5
11 1,1,2 Trichlorotrifluoromethan	101	2.777	2.773	(0.390)	110109	10.0000	10
12 Acetone	43	2.817	2.813	(0.396)	174542	20.0000	22.7
13 1,1-Dichloroethene	61	2.955	2.956	(0.415)	286777	10.0000	10.9
109 t-Butyl-Alcohol	59	3.088	3.074	(0.433)	253427	100.000	125
14 Acetonitrile	41	3.423	3.424	(0.481)	337348	100.000	109
15 Iodomethane	142	3.317	3.321	(0.466)	119792	10.0000	10.2
16 Methyl Acetate	43	3.404	3.400	(0.478)	161886	10.0000	10.8
17 Allyl Chloride	41	3.423	3.424	(0.481)	337348	10.0000	10.9
18 Carbon Disulfide	76	3.550	3.553	(0.498)	588784	10.0000	11.1
19 Methylene Chloride	49	3.582	3.581	(0.503)	358214	10.0000	11.0
20 Acrylonitrile	53	3.793	3.791	(0.532)	142869	20.0000	21.0
21 Methyl-tert-butyl ether	73	3.837	3.832	(0.539)	491722	10.0000	11.4
22 trans 1,2-Dichloroethene	61	4.025	4.024	(0.565)	318142	10.0000	11.1

	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	4.699	4.700	(0.660)	395709	10.0000	10.9
	24 Vinyl Acetate	43	4.761	4.761	(0.668)	251775	10.0000	8.9
	25 Chloroprene	53	4.834	4.834	(0.679)	324891	10.0000	11.0
	26 2-Butanone	43	5.382	5.377	(0.756)	227849	20.0000	23.7
	27 Propionitrile	54	5.486	5.482	(0.770)	242982	100.000	115
	28 2,2-Dichloropropane	77	5.527	5.529	(0.776)	148914	10.0000	10.2
	29 cis-1,2-Dichloroethene	96	5.598	5.596	(0.786)	204423	10.0000	10.9
	30 Methyacrylonitrile	67	5.752	5.753	(0.808)	760548	100.000	115
	31 Isobutyl Alcohol	43	5.840	5.826	(0.820)	43408	200.000	183(Q)
	32 Chloroform	83	5.813	5.816	(0.816)	318315	10.0000	10.6
	33 Bromochloromethane	49	6.024	6.021	(0.846)	205606	10.0000	11.0
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.103	6.104	(0.857)	143052	10.0000	10.6
	35 1,1,1-Trichloroethane	97	6.330	6.329	(0.889)	209216	10.0000	10.9
	36 Cyclohexane	56	6.326	6.326	(0.888)	350790	10.0000	11.8
	37 1,1-Dichloropropene	75	6.532	6.532	(0.917)	256583	10.0000	11.2
	38 Carbon tetrachloride	117	6.636	6.636	(0.932)	138011	10.0000	9.9
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.739	6.739	(0.946)	35958	10.0000	10.9
	40 1,2-Dichloroethane	62	6.853	6.853	(0.962)	268715	10.0000	11.0
	41 Benzene	78	6.849	6.850	(0.962)	808457	10.0000	10.8
*	42 FLUOROBENZENE (IS)	96	7.123	7.124	(1.000)	3224943	50.0000	
	43 Trichloroethylene	130	7.577	7.577	(1.064)	167070	10.0000	10.8
	44 Methyl Cyclohexane	55	7.633	7.634	(1.072)	226064	10.0000	11.0
	45 1,2-Dichloropropane	63	7.783	7.783	(1.093)	227760	10.0000	11.1
	46 Methyl Methacrylate	69	7.896	7.893	(1.109)	97380	10.0000	11.3
	47 Bromodichloromethane	83	8.039	8.039	(1.129)	212752	10.0000	10.8
	48 1,4 Dioxane	88	8.096	8.092	(1.137)	19168	200.000	213(Q)
	49 Dibromomethane	93	8.088	8.087	(1.135)	112216	10.0000	11.6
	50 4-Methyl-2-Pentanone	58	8.446	8.443	(1.186)	138859	20.0000	23.1(q)
	51 2-Hexanone	43	9.362	9.360	(0.897)	279570	20.0000	22.7
	52 cis 1,3-Dichloropropene	75	8.643	8.643	(1.213)	264119	10.0000	10.8
$	53 TOLUENE d8 (surr)	98	8.886	8.886	(1.248)	548365	10.0000	10.7
	54 Toluene	92	8.969	8.969	(1.259)	458166	10.0000	10.9
	55 trans 1,3-Dichloropropene	75	9.178	9.178	(1.288)	199164	10.0000	10.4
	56 Ethyl Methacrylate	69	9.189	9.188	(1.290)	151708	10.0000	10.4
	57 1,1,2-Trichloroethane	97	9.332	9.333	(1.310)	146291	10.0000	10.9
	58 1,3-Dichloropropane	76	9.595	9.594	(0.919)	278339	10.0000	10.8
	59 Tetrachloroethylene	164	9.642	9.642	(0.923)	111468	10.0000	10.8
	60 Dibromochloromethane	129	9.849	9.849	(0.943)	112243	10.0000	10.4
	61 1,2-Dibromoethane	107	10.053	10.052	(0.963)	142995	10.0000	11.5
	62 1-Chlorohexane	91	10.238	10.239	(0.980)	216714	10.0000	11.5
*	63 CHLOROBENZENE d5 (IS)	117	10.442	10.443	(1.000)	2271916	50.0000	
	64 Chlorobenzene	112	10.480	10.481	(1.004)	452949	10.0000	11.0
	65 1,1,1,2-Tetrachloroethane	131	10.530	10.530	(1.008)	114244	10.0000	10.4
	66 Ethylbenzene	106	10.540	10.540	(1.009)	250643	10.0000	11.1
	67 p,m-Xylene	106	10.618	10.619	(1.017)	628271	20.0000	21.3
	68 o-Xylene	91	11.055	11.057	(1.059)	692595	10.0000	11.0
	69 Styrene	104	11.095	11.094	(1.062)	493449	10.0000	11.6
	70 Bromoform	173	11.423	11.427	(1.094)	53823	10.0000	10.1
	71 1-Methylethylbenzene	105	11.421	11.421	(0.888)	724570	10.0000	11.1
	72 1,4-Dichloro-2-Butene	53	11.474	11.476	(0.892)	51548	20.0000	22.4(q)
	73 1,1,2,2-Tetrachloroethane	83	11.599	11.598	(0.902)	194301	10.0000	11.2
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.671	11.671	(0.908)	206442	10.0000	10.4
	75 1,2,3- trichloropropane	110	11.747	11.745	(0.914)	51553	10.0000	11.3
	76 n-Propylbenzene	91	11.824	11.824	(0.920)	901597	10.0000	11.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	11.859	11.859	(0.922)	412786	10.0000	11.2
78 1,3,5-Trimethylbenzene	105	11.984	11.984	(0.932)	634434	10.0000	11.4
79 2-Chlorotoluene	91	11.997	11.998	(0.933)	657397	10.0000	11.2
80 4-Chlorotoluene	91	12.046	12.046	(0.937)	618361	10.0000	10.9
81 tert-Butylbenzene	119	12.339	12.340	(0.960)	539591	10.0000	11.8
82 1,2,4-trimethylbenzene	105	12.376	12.377	(0.963)	652975	10.0000	11.1
83 sec-Butylbenzene	105	12.553	12.554	(0.976)	681549	10.0000	11.3
84 p-Isopropyltoluene	119	12.692	12.693	(0.987)	532618	10.0000	11.1
85 1,3-Dichlorobenzene	146	12.781	12.782	(0.994)	319581	10.0000	10.7
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.858	12.858	(1.000)	1133238	50.0000	
87 1,4-Dichlorobenzene	146	12.890	12.890	(1.002)	323065	10.0000	10.7
88 Benzyl Chloride	91	13.010	13.009	(1.012)	158033	10.0000	9.1
89 n-Butylbenzene	91	13.103	13.104	(1.019)	491374	10.0000	11.3
90 1,2-Dichlorobenzene	146	13.259	13.259	(1.031)	300935	10.0000	10.9
91 1,2-dibromo-3-chloropropane	75	14.042	14.045	(1.092)	23265	10.0000	10.8
92 1,2,4-Trichlorobenzene	180	14.771	14.771	(1.149)	145349	10.0000	11.0
93 Hexachlorobutadiene	223	14.876	14.877	(1.157)	32736	10.0000	10.6
94 Naphthalene	128	14.961	14.961	(1.164)	351879	10.0000	11.2
95 1,2,3-trichlorobenzene	180	15.138	15.138	(1.177)	117172	10.0000	10.7
103 Isopropyl Ether	45	4.592	4.589	(0.645)	859817	10.0000	10.9
104 Ethyl acetate	43	5.652	5.651	(0.794)	290138	20.0000	21.4
105 Cyclohexanone	55	11.479	11.478	(1.099)	240776	100.000	115
106 Ethyl ether	59	2.596	2.594	(0.364)	166451	10.0000	11.3
107 2-Nitropropane	43	8.141	8.143	(1.143)	32927	20.0000	18.6(q)
108 Tetrahydrofuran	42	6.093	6.084	(0.855)	108583	20.0000	22.3
110 Chlorotrifluoroethylene	116	1.296	1.296	(0.182)	30253	10.0000	8.7(a)
111 Isobutene	41	1.550	1.549	(0.218)	132983	200.000	187(A)
112 Ethanol	45	2.140	2.137	(0.300)	74744	800.000	952
113 2-chloro-1,1,1-trifluoroethan	118	1.618	1.615	(0.227)	130407	10.0000	10.2
114 Bromoethane	108	3.229	3.229	(0.453)	87841	10.0000	11.0
115 n-Hexane	57	4.157	4.150	(0.584)	252709	10.0000	11.3(q)
116 tert-Butyl ethyl ether	59	5.214	5.211	(0.732)	516917	10.0000	11.2
117 t-butyl formate	59	5.836	5.838	(0.819)	10706	200.000	198(q)
118 tert-Amyl alcohol	59	6.094	6.088	(0.855)	90444	200.000	219
119 tert-Amyl-methyl ether	73	6.717	6.715	(0.943)	401095	10.0000	11.1
120 3,3-dimethyl-1-butanol	57	9.255	9.253	(1.299)	70139	200.000	203
121 2-Cleve	63	8.413	8.414	(1.181)	139879	20.0000	20.4(Q)

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: 10PPB.D
Lab Smp Id: 10PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 10PPB
Level: LOW
Sample Type: WATER

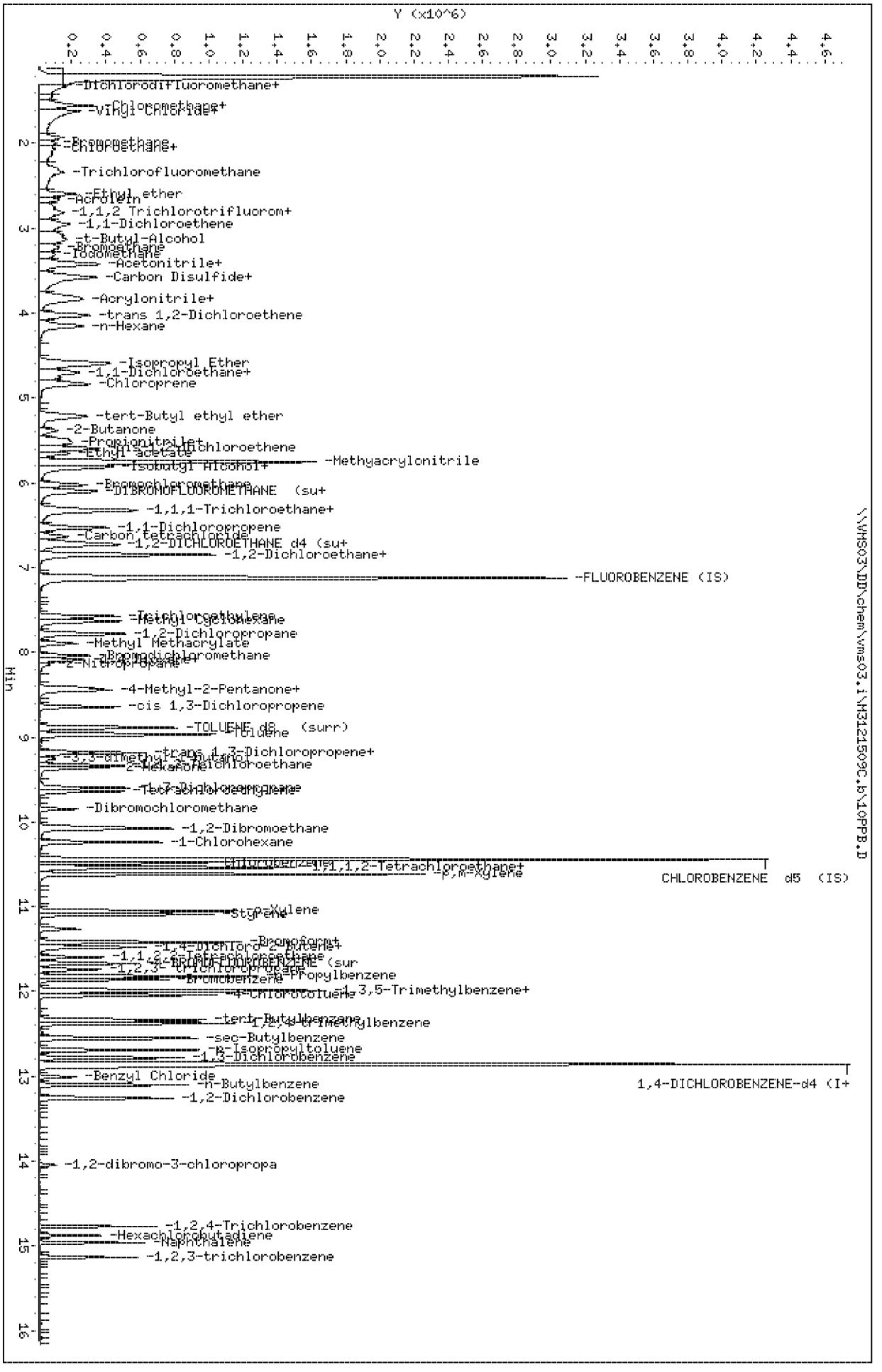
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3224943	-0.41
63 CHLOROBENZENE d5	2294514	1147257	4589028	2271916	-0.98
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1133238	-0.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.02
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	0.01
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	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\M3121509C.b\10PPB.D
Date : 15-DEC-2009 08:15
Client ID: 10PPB
Sample Info: 10PPB
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121509C.b\20PPB.D
Lab Smp Id: 20PPB Client Smp ID: 20PPB
Inj Date : 15-DEC-2009 08:39
Operator : Inst ID: vms03.i
Smp Info : 20PPB
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Meth Date : 29-Dec-2009 10:26 lpelo Quant Type: ISTD
Cal Date : 07-DEC-2009 08:58 Cal File: CAL10.D
Als bottle: 7 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				875201	40.0000	(a)
M 2 Xylenes (Total)	100				2224899	60.0000	(a)
M 3 Trihalomethanes (Total)	100				1227498	20.0000	(a)
4 Dichlorodifluoromethane	85	1.330	1.327	(0.187)	354933	20.0000	20.7
5 Chloromethane	50	1.523	1.520	(0.214)	254105	20.0000	20.5(M)
6 Vinyl Chloride	62	1.613	1.610	(0.227)	286204	20.0000	19.0
7 Bromomethane	96	1.995	1.994	(0.280)	145911	20.0000	18.4
8 Chloroethane	64	2.069	2.069	(0.290)	162471	20.0000	18.9
9 Trichlorofluoromethane	101	2.297	2.298	(0.322)	327707	20.0000	20.4
10 Acrolein	56	2.737	2.738	(0.384)	43438	40.0000	38.7
11 1,1,2 Trichlorotrifluoromethan	101	2.772	2.773	(0.389)	228265	20.0000	21.1
12 Acetone	43	2.815	2.813	(0.395)	279227	40.0000	37.1
13 1,1-Dichloroethene	61	2.956	2.956	(0.415)	469439	20.0000	18.2
109 t-Butyl-Alcohol	59	3.081	3.074	(0.433)	380219	200.000	191
14 Acetonitrile	41	3.424	3.424	(0.481)	573608	200.000	188
15 Iodomethane	142	3.321	3.321	(0.466)	219625	20.0000	19.0
16 Methyl Acetate	43	3.405	3.400	(0.478)	282022	20.0000	19.2
17 Allyl Chloride	41	3.424	3.424	(0.481)	573608	20.0000	18.8
18 Carbon Disulfide	76	3.555	3.553	(0.499)	988927	20.0000	19.1
19 Methylene Chloride	49	3.582	3.581	(0.503)	572587	20.0000	17.9
20 Acrylonitrile	53	3.793	3.791	(0.532)	258106	40.0000	38.7
21 Methyl-tert-butyl ether	73	3.835	3.832	(0.538)	810173	20.0000	19.1
22 trans 1,2-Dichloroethene	61	4.024	4.024	(0.565)	531466	20.0000	18.9

	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	4.701	4.700	(0.660)	680202	20.0000	19.1
	24 Vinyl Acetate	43	4.762	4.761	(0.669)	526973	20.0000	19.0
	25 Chloroprene	53	4.835	4.834	(0.679)	576462	20.0000	19.9
	26 2-Butanone	43	5.383	5.377	(0.756)	370503	40.0000	39.2
	27 Propionitrile	54	5.483	5.482	(0.770)	398072	200.000	193
	28 2,2-Dichloropropane	77	5.529	5.529	(0.776)	266967	20.0000	18.6
	29 cis-1,2-Dichloroethene	96	5.596	5.596	(0.786)	343735	20.0000	18.7
	30 Methyacrylonitrile	67	5.752	5.753	(0.807)	1275193	200.000	197
	31 Isobutyl Alcohol	43	5.831	5.826	(0.819)	68190	400.000	294(Q)
	32 Chloroform	83	5.815	5.816	(0.816)	552236	20.0000	18.8
	33 Bromochloromethane	49	6.024	6.021	(0.846)	348974	20.0000	19.0
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.104	6.104	(0.857)	263714	20.0000	20.0
	35 1,1,1-Trichloroethane	97	6.327	6.329	(0.888)	365878	20.0000	19.4
	36 Cyclohexane	56	6.327	6.326	(0.888)	581736	20.0000	19.9
	37 1,1-Dichloropropene	75	6.531	6.532	(0.917)	428695	20.0000	19.2
	38 Carbon tetrachloride	117	6.636	6.636	(0.932)	251349	20.0000	18.3
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.738	6.739	(0.946)	67266	20.0000	20.7
	40 1,2-Dichloroethane	62	6.852	6.853	(0.962)	454562	20.0000	19.1
	41 Benzene	78	6.849	6.850	(0.962)	1345867	20.0000	18.3
*	42 FLUOROBENZENE (IS)	96	7.123	7.124	(1.000)	3162340	50.0000	
	43 Trichloroethylene	130	7.577	7.577	(1.064)	284703	20.0000	18.7
	44 Methyl Cyclohexane	55	7.634	7.634	(1.072)	385252	20.0000	19.2
	45 1,2-Dichloropropane	63	7.782	7.783	(1.093)	383143	20.0000	19.0
	46 Methyl Methacrylate	69	7.896	7.893	(1.108)	165109	20.0000	19.6
	47 Bromodichloromethane	83	8.039	8.039	(1.129)	370099	20.0000	19.2
	48 1,4 Dioxane	88	8.096	8.092	(1.137)	31860	400.000	361(q)
	49 Dibromomethane	93	8.086	8.087	(1.135)	181444	20.0000	19.1
	50 4-Methyl-2-Pentanone	58	8.447	8.443	(1.186)	228201	40.0000	38.8(q)
	51 2-Hexanone	43	9.362	9.360	(0.896)	468170	40.0000	38.7
	52 cis 1,3-Dichloropropene	75	8.642	8.643	(1.213)	463515	20.0000	19.4
$	53 TOLUENE d8 (surr)	98	8.886	8.886	(1.247)	1033418	20.0000	20.6
	54 Toluene	92	8.968	8.969	(1.259)	777521	20.0000	18.8
	55 trans 1,3-Dichloropropene	75	9.178	9.178	(1.288)	358501	20.0000	19.1
	56 Ethyl Methacrylate	69	9.189	9.188	(1.290)	283767	20.0000	19.9
	57 1,1,2-Trichloroethane	97	9.332	9.333	(1.310)	253863	20.0000	19.3
	58 1,3-Dichloropropane	76	9.594	9.594	(0.919)	478172	20.0000	18.9
	59 Tetrachloroethylene	164	9.642	9.642	(0.923)	187603	20.0000	18.5
	60 Dibromochloromethane	129	9.850	9.849	(0.943)	205187	20.0000	19.4
	61 1,2-Dibromoethane	107	10.053	10.052	(0.963)	238037	20.0000	19.4
	62 1-Chlorohexane	91	10.238	10.239	(0.980)	363669	20.0000	19.6
*	63 CHLOROBENZENE d5 (IS)	117	10.443	10.443	(1.000)	2236574	50.0000	
	64 Chlorobenzene	112	10.481	10.481	(1.004)	767944	20.0000	18.9
	65 1,1,1,2-Tetrachloroethane	131	10.530	10.530	(1.008)	207838	20.0000	19.2
	66 Ethylbenzene	106	10.540	10.540	(1.009)	418942	20.0000	18.8
	67 p,m-Xylene	106	10.618	10.619	(1.017)	1054767	40.0000	36.3
	68 o-Xylene	91	11.055	11.057	(1.059)	1170132	20.0000	18.9
	69 Styrene	104	11.094	11.094	(1.062)	824983	20.0000	19.6
	70 Bromoform	173	11.428	11.427	(1.094)	99976	20.0000	19.0
	71 1-Methylethylbenzene	105	11.421	11.421	(0.888)	1236363	20.0000	19.2
	72 1,4-Dichloro-2-Butene	53	11.475	11.476	(0.892)	86078	40.0000	38.0
	73 1,1,2,2-Tetrachloroethane	83	11.598	11.598	(0.902)	327253	20.0000	19.3
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.671	11.671	(0.908)	389521	20.0000	20.0
	75 1,2,3- trichloropropane	110	11.745	11.745	(0.913)	87437	20.0000	19.6
	76 n-Propylbenzene	91	11.824	11.824	(0.920)	1522015	20.0000	19.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	11.859	11.859	(0.922)	691973	20.0000	19.1
78 1,3,5-Trimethylbenzene	105	11.983	11.984	(0.932)	1069494	20.0000	19.5
79 2-Chlorotoluene	91	11.997	11.998	(0.933)	1115974	20.0000	19.4
80 4-Chlorotoluene	91	12.046	12.046	(0.937)	1062356	20.0000	19.0
81 tert-Butylbenzene	119	12.339	12.340	(0.960)	783973	20.0000	17.5
82 1,2,4-trimethylbenzene	105	12.376	12.377	(0.963)	1129497	20.0000	19.5
83 sec-Butylbenzene	105	12.553	12.554	(0.976)	1166223	20.0000	19.7
84 p-Isopropyltoluene	119	12.692	12.693	(0.987)	937507	20.0000	19.9
85 1,3-Dichlorobenzene	146	12.783	12.782	(0.994)	562200	20.0000	19.1
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.858	12.858	(1.000)	1115080	50.0000	
87 1,4-Dichlorobenzene	146	12.889	12.890	(1.002)	565850	20.0000	19.0
88 Benzyl Chloride	91	13.009	13.009	(1.012)	307247	20.0000	17.9
89 n-Butylbenzene	91	13.103	13.104	(1.019)	855903	20.0000	20.0
90 1,2-Dichlorobenzene	146	13.260	13.259	(1.031)	526621	20.0000	19.4
91 1,2-dibromo-3-chloropropane	75	14.045	14.045	(1.092)	41542	20.0000	19.6
92 1,2,4-Trichlorobenzene	180	14.772	14.771	(1.149)	254995	20.0000	19.7
93 Hexachlorobutadiene	223	14.878	14.877	(1.157)	57521	20.0000	18.9
94 Naphthalene	128	14.963	14.961	(1.164)	625770	20.0000	20.2
95 1,2,3-trichlorobenzene	180	15.140	15.138	(1.177)	216572	20.0000	20.2
103 Isopropyl Ether	45	4.591	4.589	(0.645)	1473929	20.0000	19.0
104 Ethyl acetate	43	5.656	5.651	(0.794)	520959	40.0000	39.2
105 Cyclohexanone	55	11.479	11.478	(1.099)	391585	200.000	190
106 Ethyl ether	59	2.596	2.594	(0.364)	274699	20.0000	19.0
107 2-Nitropropane	43	8.142	8.143	(1.143)	57189	40.0000	32.9(Q)
108 Tetrahydrofuran	42	6.091	6.084	(0.855)	183812	40.0000	38.4
110 Chlorotrifluoroethylene	116	1.296	1.296	(0.182)	65116	20.0000	19.0
111 Isobutene	41	1.550	1.549	(0.218)	218609	400.000	313(A)
112 Ethanol	45	2.139	2.137	(0.300)	105933	1600.00	1380
113 2-chloro-1,1,1-trifluoroethan	118	1.618	1.615	(0.227)	243341	20.0000	19.4
114 Bromoethane	108	3.230	3.229	(0.454)	143765	20.0000	18.3
115 n-Hexane	57	4.152	4.150	(0.583)	413927	20.0000	18.8(Q)
116 tert-Butyl ethyl ether	59	5.213	5.211	(0.732)	865985	20.0000	19.2
117 t-butyl formate	59	5.837	5.838	(0.819)	17594	400.000	332(Q)
118 tert-Amyl alcohol	59	6.091	6.088	(0.855)	141086	400.000	348
119 tert-Amyl-methyl ether	73	6.716	6.715	(0.943)	686086	20.0000	19.3
120 3,3-dimethyl-1-butanol	57	9.256	9.253	(1.299)	108793	400.000	321
121 2-Cleve	63	8.413	8.414	(1.181)	275794	40.0000	41.0(q)

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: 20PPB.D
Lab Smp Id: 20PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 20PPB
Level: LOW
Sample Type: WATER

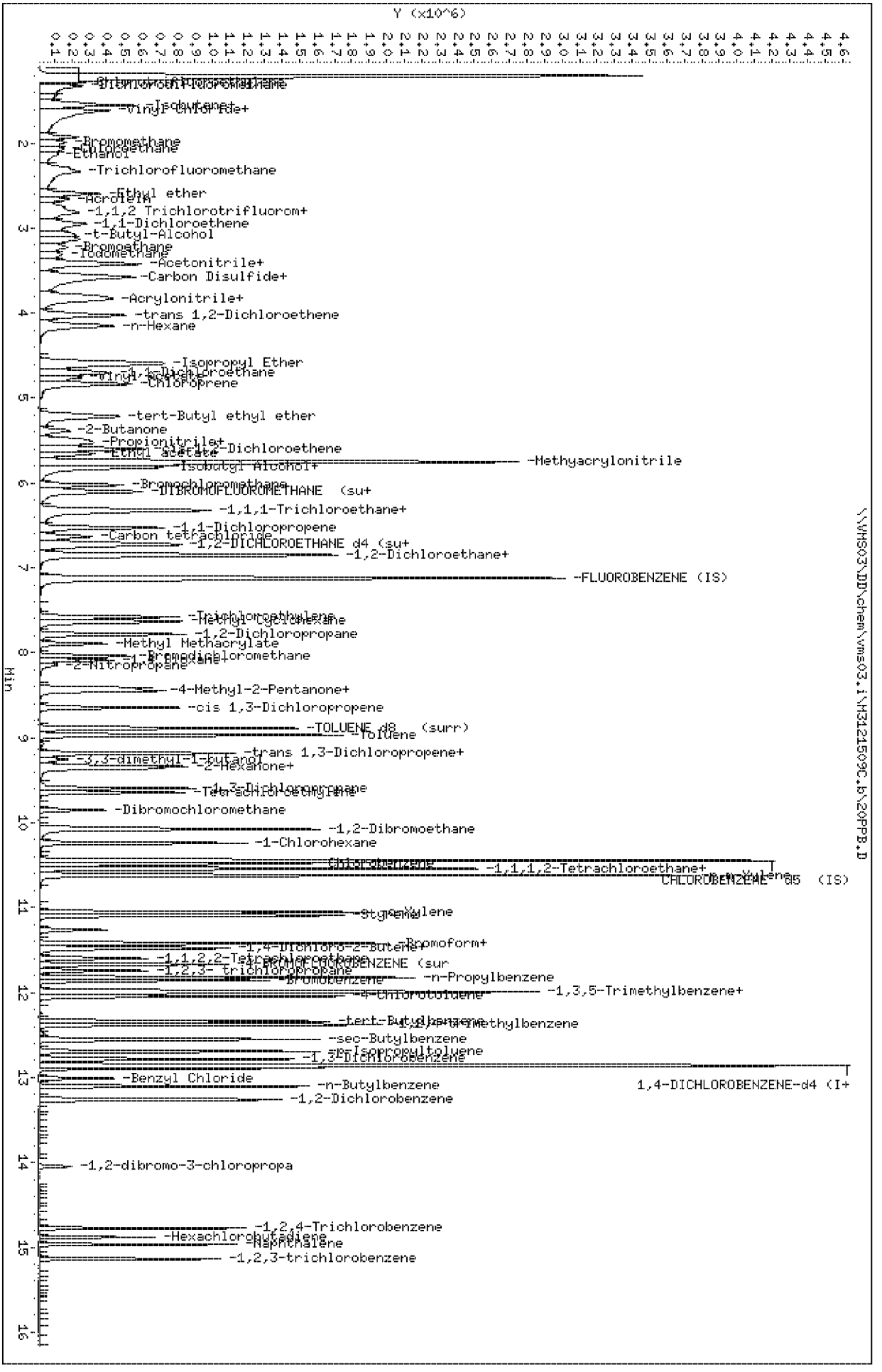
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3162340	-2.34
63 CHLOROBENZENE d5	2294514	1147257	4589028	2236574	-2.53
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1115080	-1.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.02
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	0.01
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	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\M3121509C.b\20PPB.D
Date : 15-DEC-2009 08:39
Client ID: 20PPB
Sample Info: 20PPB
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



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PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121509C.b\80PPB.D
Lab Smp Id: 80PPB Client Smp ID: 80PPB
Inj Date : 15-DEC-2009 09:47
Operator : Inst ID: vms03.i
Smp Info : 80PPB
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Meth Date : 29-Dec-2009 10:26 lpelo Quant Type: ISTD
Cal Date : 15-DEC-2009 06:18 Cal File: 200PPT.D
Als bottle: 10 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				3903738	160.000	160
M 2 Xylenes (Total)	100				9473594	240.000	221
M 3 Trihalomethanes (Total)	100				5696474	80.0000	336
4 Dichlorodifluoromethane	85	1.326	1.327	(0.186)	1487419	80.0000	82.9(A)
5 Chloromethane	50	1.520	1.520	(0.213)	1138568	80.0000	87.7(AM)
6 Vinyl Chloride	62	1.609	1.610	(0.226)	1215431	80.0000	76.8
7 Bromomethane	96	1.993	1.994	(0.280)	691498	80.0000	83.2(A)
8 Chloroethane	64	2.070	2.069	(0.291)	788662	80.0000	87.6(A)
9 Trichlorofluoromethane	101	2.297	2.298	(0.323)	1449463	80.0000	85.9(A)
10 Acrolein	56	2.737	2.738	(0.384)	172278	160.000	146
11 1,1,2 Trichlorotrifluoromethan	101	2.773	2.773	(0.389)	1018211	80.0000	87.2(A)
12 Acetone	43	2.813	2.813	(0.395)	1255644	160.000	159
13 1,1-Dichloroethene	61	2.955	2.956	(0.415)	2148934	80.0000	79.5
109 t-Butyl-Alcohol	59	3.074	3.074	(0.432)	1545397	800.000	743
14 Acetonitrile	41	3.424	3.424	(0.481)	2546488	800.000	799
15 Iodomethane	142	3.320	3.321	(0.466)	1101370	80.0000	77.9
16 Methyl Acetate	43	3.400	3.400	(0.477)	1114504	80.0000	72.5
17 Allyl Chloride	41	3.424	3.424	(0.481)	2546488	80.0000	79.9
18 Carbon Disulfide	76	3.553	3.553	(0.499)	4466711	80.0000	82.3(A)
19 Methylene Chloride	49	3.581	3.581	(0.503)	2496715	80.0000	74.5
20 Acrylonitrile	53	3.790	3.791	(0.532)	1082832	160.000	155
21 Methyl-tert-butyl ether	73	3.832	3.832	(0.538)	3633253	80.0000	81.8(A)
22 trans 1,2-Dichloroethene	61	4.023	4.024	(0.565)	2365918	80.0000	80.2(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	4.700	4.700	(0.660)	2994152	80.0000	80.1(A)
	24 Vinyl Acetate	43	4.760	4.761	(0.668)	2623319	80.0000	90.2(A)
	25 Chloroprene	53	4.834	4.834	(0.679)	2576451	80.0000	84.8(A)
	26 2-Butanone	43	5.377	5.377	(0.755)	1636886	160.000	166(A)
	27 Propionitrile	54	5.482	5.482	(0.770)	1668609	800.000	772
	28 2,2-Dichloropropane	77	5.529	5.529	(0.776)	1262767	80.0000	84.2(A)
	29 cis-1,2-Dichloroethene	96	5.595	5.596	(0.785)	1537820	80.0000	79.8
	30 Methyacrylonitrile	67	5.753	5.753	(0.808)	5205988	800.000	768
	31 Isobutyl Alcohol	43	5.826	5.826	(0.818)	427552	1600.00	1760(A)
	32 Chloroform	83	5.815	5.816	(0.816)	2436457	80.0000	79.1
	33 Bromochloromethane	49	6.021	6.021	(0.845)	1609915	80.0000	83.7(A)
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.103	6.104	(0.857)	1121429	80.0000	81.2(A)
	35 1,1,1-Trichloroethane	97	6.328	6.329	(0.888)	1695900	80.0000	85.8(A)
	36 Cyclohexane	56	6.325	6.326	(0.888)	2612812	80.0000	85.4(A)
	37 1,1-Dichloropropene	75	6.531	6.532	(0.917)	1944916	80.0000	83.0(A)
	38 Carbon tetrachloride	117	6.636	6.636	(0.932)	1299637	80.0000	90.4(A)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.738	6.739	(0.946)	282533	80.0000	83.0(A)
	40 1,2-Dichloroethane	62	6.852	6.853	(0.962)	1961359	80.0000	78.5
	41 Benzene	78	6.850	6.850	(0.962)	5852001	80.0000	75.8
*	42 FLUOROBENZENE (IS)	96	7.123	7.124	(1.000)	3313691	50.0000	
	43 Trichloroethylene	130	7.577	7.577	(1.064)	1262476	80.0000	79.3
	44 Methyl Cyclohexane	55	7.634	7.634	(1.072)	1733691	80.0000	82.2(A)
	45 1,2-Dichloropropane	63	7.782	7.783	(1.093)	1673997	80.0000	79.4
	46 Methyl Methacrylate	69	7.892	7.893	(1.108)	831656	80.0000	81.8(A)
	47 Bromodichloromethane	83	8.038	8.039	(1.128)	1702781	80.0000	84.2(A)
	48 1,4 Dioxane	88	8.092	8.092	(1.136)	134016	1600.00	1450
	49 Dibromomethane	93	8.087	8.087	(1.135)	801139	80.0000	80.4(A)
	50 4-Methyl-2-Pentanone	58	8.442	8.443	(1.185)	967380	160.000	157
	51 2-Hexanone	43	9.359	9.360	(0.896)	2192110	160.000	171(A)
	52 cis 1,3-Dichloropropene	75	8.643	8.643	(1.213)	2123244	80.0000	84.9(A)
$	53 TOLUENE d8 (surr)	98	8.886	8.886	(1.247)	4092808	80.0000	77.8
	54 Toluene	92	8.968	8.969	(1.259)	3372193	80.0000	77.9
	55 trans 1,3-Dichloropropene	75	9.177	9.178	(1.288)	1782984	80.0000	90.6(A)
	56 Ethyl Methacrylate	69	9.188	9.188	(1.290)	1513205	80.0000	81.6
	57 1,1,2-Trichloroethane	97	9.332	9.333	(1.310)	1075331	80.0000	77.9
	58 1,3-Dichloropropane	76	9.593	9.594	(0.919)	2028282	80.0000	75.4
	59 Tetrachloroethylene	164	9.642	9.642	(0.923)	848273	80.0000	78.7
	60 Dibromochloromethane	129	9.849	9.849	(0.943)	1024766	80.0000	91.2(A)
	61 1,2-Dibromoethane	107	10.052	10.052	(0.963)	1023154	80.0000	78.7
	62 1-Chlorohexane	91	10.238	10.239	(0.980)	1650295	80.0000	83.7(A)
*	63 CHLOROBENZENE d5 (IS)	117	10.443	10.443	(1.000)	2374164	50.0000	
	64 Chlorobenzene	112	10.481	10.481	(1.004)	3271888	80.0000	75.9
	65 1,1,1,2-Tetrachloroethane	131	10.529	10.530	(1.008)	1012635	80.0000	88.3(A)
	66 Ethylbenzene	106	10.540	10.540	(1.009)	1845723	80.0000	78.0
	67 p,m-Xylene	106	10.618	10.619	(1.017)	4457349	160.000	144
	68 o-Xylene	91	11.057	11.057	(1.059)	5016245	80.0000	76.2
	69 Styrene	104	11.093	11.094	(1.062)	3611514	80.0000	80.9(A)
	70 Bromoform	173	11.426	11.427	(1.094)	532470	80.0000	81.4(A)
	71 1-Methylethylbenzene	105	11.420	11.421	(0.888)	5290453	80.0000	74.6
	72 1,4-Dichloro-2-Butene	53	11.476	11.476	(0.892)	438444	160.000	176(A)
	73 1,1,2,2-Tetrachloroethane	83	11.598	11.598	(0.902)	1366144	80.0000	73.0
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.670	11.671	(0.908)	1665022	80.0000	77.5
	75 1,2,3- trichloropropane	110	11.745	11.745	(0.913)	373241	80.0000	75.8
	76 n-Propylbenzene	91	11.824	11.824	(0.920)	6479480	80.0000	75.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	11.859	11.859	(0.922)	2776242	80.0000	69.7
78 1,3,5-Trimethylbenzene	105	11.984	11.984	(0.932)	4511240	80.0000	74.7
79 2-Chlorotoluene	91	11.997	11.998	(0.933)	4731949	80.0000	74.5
80 4-Chlorotoluene	91	12.046	12.046	(0.937)	4581775	80.0000	74.3
81 tert-Butylbenzene	119	12.339	12.340	(0.960)	3491263	80.0000	70.8
82 1,2,4-trimethylbenzene	105	12.377	12.377	(0.963)	4740686	80.0000	74.2
83 sec-Butylbenzene	105	12.553	12.554	(0.976)	4951908	80.0000	76.0
84 p-Isopropyltoluene	119	12.692	12.693	(0.987)	3931979	80.0000	75.9
85 1,3-Dichlorobenzene	146	12.782	12.782	(0.994)	2416146	80.0000	74.4
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.858	12.858	(1.000)	1228517	50.0000	
87 1,4-Dichlorobenzene	146	12.890	12.890	(1.002)	2440760	80.0000	74.4
88 Benzyl Chloride	91	13.009	13.009	(1.012)	1954208	80.0000	103
89 n-Butylbenzene	91	13.103	13.104	(1.019)	3632091	80.0000	77.3
90 1,2-Dichlorobenzene	146	13.259	13.259	(1.031)	2216214	80.0000	74.1
91 1,2-dibromo-3-chloropropane	75	14.045	14.045	(1.092)	204235	80.0000	87.3(A)
92 1,2,4-Trichlorobenzene	180	14.771	14.771	(1.149)	1113098	80.0000	77.9
93 Hexachlorobutadiene	223	14.876	14.877	(1.157)	240891	80.0000	75.4
94 Naphthalene	128	14.961	14.961	(1.164)	2799490	80.0000	81.8(A)
95 1,2,3-trichlorobenzene	180	15.137	15.138	(1.177)	918776	80.0000	77.6
103 Isopropyl Ether	45	4.588	4.589	(0.644)	6304394	80.0000	77.8
104 Ethyl acetate	43	5.651	5.651	(0.793)	2407519	160.000	173(A)
105 Cyclohexanone	55	11.478	11.478	(1.099)	1774338	800.000	810(A)
106 Ethyl ether	59	2.594	2.594	(0.364)	1196682	80.0000	79.2
107 2-Nitropropane	43	8.142	8.143	(1.143)	225440	160.000	124
108 Tetrahydrofuran	42	6.083	6.084	(0.854)	784582	160.000	157
110 Chlorotrifluoroethylene	116	1.295	1.296	(0.182)	323690	80.0000	90.3(A)
111 Isobutene	41	1.549	1.549	(0.217)	781597	1600.00	1070(A)
112 Ethanol	45	2.136	2.137	(0.300)	511897	6400.00	6140(M)
113 2-chloro-1,1,1-trifluoroethan	118	1.614	1.615	(0.227)	1022392	80.0000	77.7
114 Bromoethane	108	3.228	3.229	(0.453)	674149	80.0000	81.8(A)
115 n-Hexane	57	4.150	4.150	(0.583)	1903759	80.0000	82.7(A)
116 tert-Butyl ethyl ether	59	5.211	5.211	(0.732)	3933023	80.0000	83.1(A)
117 t-butyl formate	59	5.838	5.838	(0.820)	96197	1600.00	1740(A)
118 tert-Amyl alcohol	59	6.088	6.088	(0.855)	829846	1600.00	1630(A)
119 tert-Amyl-methyl ether	73	6.715	6.715	(0.943)	3120507	80.0000	83.8(A)
120 3,3-dimethyl-1-butanol	57	9.252	9.253	(1.299)	705548	1600.00	1630(A)

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: vms03.i
Lab File ID: 80PPB.D
Lab Smp Id: 80PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 80PPB
Level: LOW
Sample Type: WATER

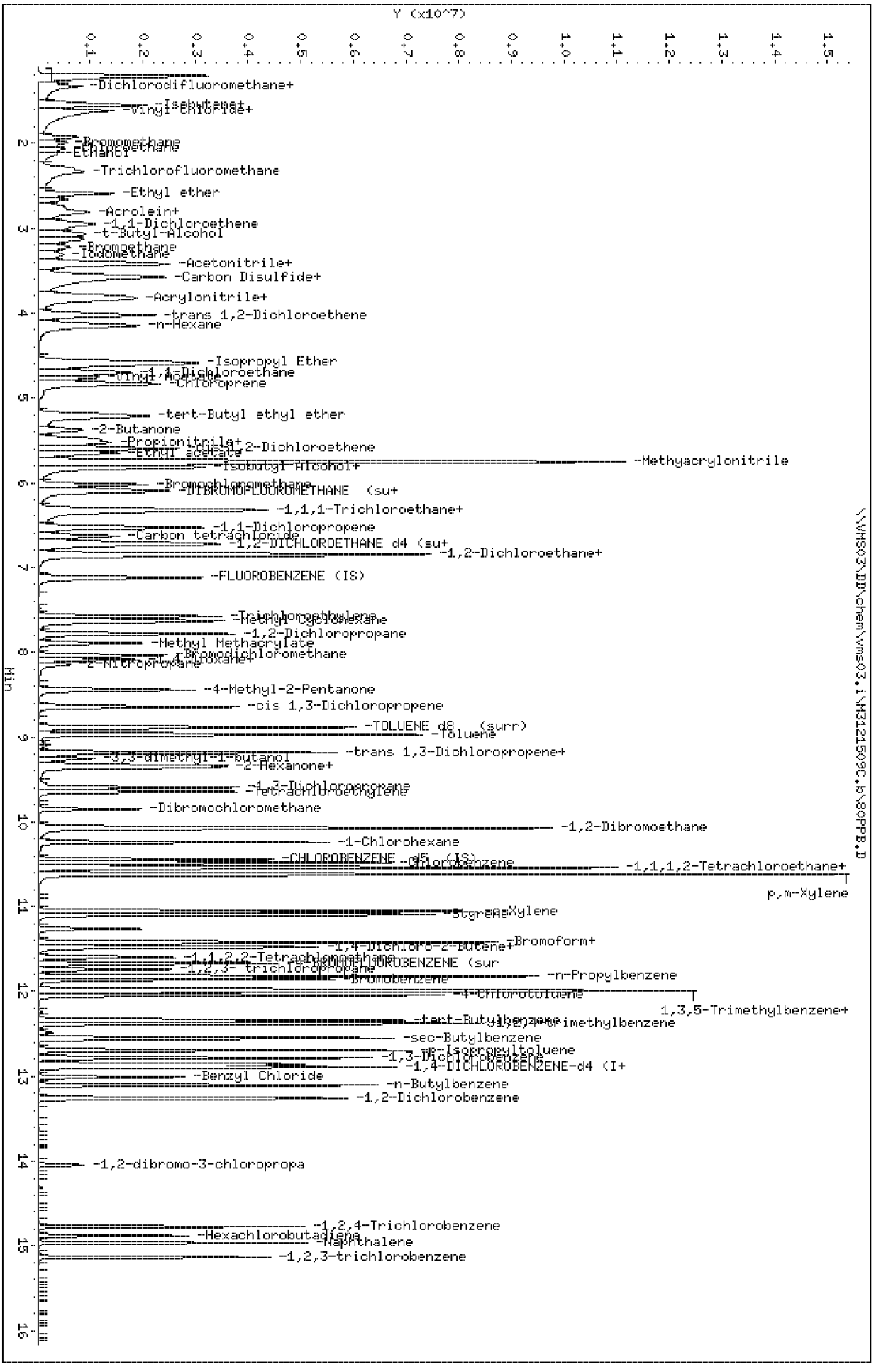
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3313691	2.33
63 CHLOROBENZENE d5	2294514	1147257	4589028	2374164	3.47
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1228517	8.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.02
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	0.01
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	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\M3121509C.b\80PPB.D
Date : 15-DEC-2009 09:47
Client ID: 80PPB
Sample Info: 80PPB
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



\\VMS03\DD\chem\vms03.i\M3121509C.b\80PPB.D

Page 5

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121509C.b\60PPBR.D
Lab Smp Id: 60PPB Client Smp ID: 60PPB
Inj Date : 15-DEC-2009 10:42
Operator : Inst ID: vms03.i
Smp Info : 60PPB
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Meth Date : 29-Dec-2009 10:26 lpelo Quant Type: ISTD
Cal Date : 15-DEC-2009 09:02 Cal File: 50PPB.D
Als bottle: 12 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				2935884	120.000	(a)
M 2 Xylenes (Total)	100				7087499	180.000	(a)
M 3 Trihalomethanes (Total)	100				4199861	60.0000	(a)
4 Dichlorodifluoromethane	85	1.325	1.327	(0.186)	1189908	60.0000	67.7
5 Chloromethane	50	1.524	1.520	(0.214)	791037	60.0000	62.2(M)
6 Vinyl Chloride	62	1.611	1.610	(0.226)	1006148	60.0000	64.9
7 Bromomethane	96	1.994	1.994	(0.280)	538245	60.0000	66.1
8 Chloroethane	64	2.069	2.069	(0.291)	598754	60.0000	67.9
9 Trichlorofluoromethane	101	2.296	2.298	(0.322)	1113451	60.0000	67.4
10 Acrolein	56	2.735	2.738	(0.384)	133392	120.000	116
11 1,1,2 Trichlorotrifluoromethan	101	2.772	2.773	(0.389)	790906	60.0000	71.3
12 Acetone	43	2.812	2.813	(0.395)	865848	120.000	112
13 1,1-Dichloroethene	61	2.953	2.956	(0.415)	1608057	60.0000	60.7
109 t-Butyl-Alcohol	59	3.075	3.074	(0.432)	1085331	600.000	532
14 Acetonitrile	41	3.422	3.424	(0.481)	2011305	600.000	644
15 Iodomethane	142	3.319	3.321	(0.466)	851767	60.0000	71.7
16 Methyl Acetate	43	3.399	3.400	(0.477)	833300	60.0000	55.3
17 Allyl Chloride	41	3.422	3.424	(0.481)	2011305	60.0000	64.4
18 Carbon Disulfide	76	3.549	3.553	(0.498)	3325492	60.0000	62.5
19 Methylene Chloride	49	3.579	3.581	(0.503)	1895494	60.0000	57.7
20 Acrylonitrile	53	3.788	3.791	(0.532)	827573	120.000	121
21 Methyl-tert-butyl ether	73	3.832	3.832	(0.538)	2659728	60.0000	61.1
22 trans 1,2-Dichloroethene	61	4.022	4.024	(0.565)	1779110	60.0000	61.6

	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	4.698	4.700	(0.660)	2286055	60.0000	62.4
	24 Vinyl Acetate	43	4.758	4.761	(0.668)	2035253	60.0000	71.4
	25 Chloroprene	53	4.832	4.834	(0.678)	1953529	60.0000	65.6
	26 2-Butanone	43	5.378	5.377	(0.755)	1022433	120.000	106
	27 Propionitrile	54	5.479	5.482	(0.769)	1211684	600.000	572
	28 2,2-Dichloropropane	77	5.528	5.529	(0.776)	1018062	60.0000	69.3
	29 cis-1,2-Dichloroethene	96	5.594	5.596	(0.785)	1156774	60.0000	61.3
	30 Methyacrylonitrile	67	5.750	5.753	(0.807)	3797334	600.000	572
	31 Isobutyl Alcohol	43	5.829	5.826	(0.818)	269988	1200.00	1130(Q)
	32 Chloroform	83	5.813	5.816	(0.816)	1837936	60.0000	60.9
	33 Bromochloromethane	49	6.017	6.021	(0.845)	1186384	60.0000	63.0
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.103	6.104	(0.857)	754641	60.0000	55.8
	35 1,1,1-Trichloroethane	97	6.328	6.329	(0.889)	1256778	60.0000	64.9
	36 Cyclohexane	56	6.323	6.326	(0.888)	1929370	60.0000	64.4
	37 1,1-Dichloropropene	75	6.529	6.532	(0.917)	1437763	60.0000	62.6
	38 Carbon tetrachloride	117	6.634	6.636	(0.932)	959429	60.0000	68.1
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.739	6.739	(0.946)	183504	60.0000	55.0
	40 1,2-Dichloroethane	62	6.849	6.853	(0.962)	1447017	60.0000	59.1
	41 Benzene	78	6.848	6.850	(0.962)	4355689	60.0000	57.6
*	42 FLUOROBENZENE (IS)	96	7.121	7.124	(1.000)	3246554	50.0000	
	43 Trichloroethylene	130	7.576	7.577	(1.064)	934266	60.0000	59.9
	44 Methyl Cyclohexane	55	7.630	7.634	(1.071)	1300252	60.0000	63.0
	45 1,2-Dichloropropane	63	7.781	7.783	(1.093)	1243958	60.0000	60.2
	46 Methyl Methacrylate	69	7.892	7.893	(1.108)	584130	60.0000	67.6
	47 Bromodichloromethane	83	8.036	8.039	(1.128)	1262863	60.0000	63.8
	48 1,4 Dioxane	88	8.090	8.092	(1.136)	96445	1200.00	1060
	49 Dibromomethane	93	8.086	8.087	(1.135)	586348	60.0000	60.1
	50 4-Methyl-2-Pentanone	58	8.443	8.443	(1.186)	706943	120.000	117(Q)
	51 2-Hexanone	43	9.358	9.360	(0.896)	1405521	120.000	113
	52 cis 1,3-Dichloropropene	75	8.641	8.643	(1.213)	1574540	60.0000	64.2
$	53 TOLUENE d8 (surr)	98	8.885	8.886	(1.248)	2870774	60.0000	55.7
	54 Toluene	92	8.967	8.969	(1.259)	2507805	60.0000	59.1
	55 trans 1,3-Dichloropropene	75	9.176	9.178	(1.288)	1296988	60.0000	67.2
	56 Ethyl Methacrylate	69	9.186	9.188	(1.290)	1063640	60.0000	72.6
	57 1,1,2-Trichloroethane	97	9.331	9.333	(1.310)	781145	60.0000	57.8
	58 1,3-Dichloropropane	76	9.593	9.594	(0.919)	1470248	60.0000	56.3
	59 Tetrachloroethylene	164	9.640	9.642	(0.923)	623942	60.0000	59.6
	60 Dibromochloromethane	129	9.848	9.849	(0.943)	729756	60.0000	66.9
	61 1,2-Dibromoethane	107	10.051	10.052	(0.963)	747914	60.0000	59.3
	62 1-Chlorohexane	91	10.237	10.239	(0.980)	1240948	60.0000	64.9
*	63 CHLOROBENZENE d5 (IS)	117	10.441	10.443	(1.000)	2304788	50.0000	
	64 Chlorobenzene	112	10.479	10.481	(1.004)	2444455	60.0000	58.4
	65 1,1,1,2-Tetrachloroethane	131	10.528	10.530	(1.008)	739985	60.0000	66.5
	66 Ethylbenzene	106	10.539	10.540	(1.009)	1365895	60.0000	59.4
	67 p,m-Xylene	106	10.617	10.619	(1.017)	3357872	120.000	112
	68 o-Xylene	91	11.055	11.057	(1.059)	3729627	60.0000	58.4
	69 Styrene	104	11.093	11.094	(1.062)	2678613	60.0000	61.8
	70 Bromoform	173	11.426	11.427	(1.094)	369306	60.0000	68.1
	71 1-Methylethylbenzene	105	11.420	11.421	(0.888)	3981123	60.0000	59.7
	72 1,4-Dichloro-2-Butene	53	11.474	11.476	(0.892)	313352	120.000	134
	73 1,1,2,2-Tetrachloroethane	83	11.597	11.598	(0.902)	970931	60.0000	55.2
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.670	11.671	(0.908)	1139293	60.0000	56.3
	75 1,2,3- trichloropropane	110	11.744	11.745	(0.913)	260536	60.0000	56.2
	76 n-Propylbenzene	91	11.824	11.824	(0.920)	4856121	60.0000	59.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	11.858	11.859	(0.922)	2218465	60.0000	59.2
78 1,3,5-Trimethylbenzene	105	11.983	11.984	(0.932)	3397803	60.0000	59.8
79 2-Chlorotoluene	91	11.996	11.998	(0.933)	3476677	60.0000	58.2
80 4-Chlorotoluene	91	12.045	12.046	(0.937)	3445444	60.0000	59.4
81 tert-Butylbenzene	119	12.339	12.340	(0.960)	2905815	60.0000	62.6
82 1,2,4-trimethylbenzene	105	12.375	12.377	(0.963)	3566707	60.0000	59.4
83 sec-Butylbenzene	105	12.552	12.554	(0.976)	3732933	60.0000	60.9
84 p-Isopropyltoluene	119	12.691	12.693	(0.987)	3003498	60.0000	61.6
85 1,3-Dichlorobenzene	146	12.781	12.782	(0.994)	1780254	60.0000	58.3
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.857	12.858	(1.000)	1155754	50.0000	
87 1,4-Dichlorobenzene	146	12.889	12.890	(1.002)	1809480	60.0000	58.7
88 Benzyl Chloride	91	13.008	13.009	(1.012)	1430943	60.0000	80.5
89 n-Butylbenzene	91	13.103	13.104	(1.019)	2781993	60.0000	62.9
90 1,2-Dichlorobenzene	146	13.258	13.259	(1.031)	1664490	60.0000	59.2
91 1,2-dibromo-3-chloropropane	75	14.044	14.045	(1.092)	139375	60.0000	63.3
92 1,2,4-Trichlorobenzene	180	14.771	14.771	(1.149)	804061	60.0000	59.8
93 Hexachlorobutadiene	223	14.878	14.877	(1.157)	185725	60.0000	58.9
94 Naphthalene	128	14.962	14.961	(1.164)	1952008	60.0000	60.6
95 1,2,3-trichlorobenzene	180	15.140	15.138	(1.178)	659537	60.0000	59.2
103 Isopropyl Ether	45	4.587	4.589	(0.644)	4752875	60.0000	59.8
104 Ethyl acetate	43	5.650	5.651	(0.793)	1719272	120.000	126
105 Cyclohexanone	55	11.477	11.478	(1.099)	1265358	600.000	595
106 Ethyl ether	59	2.593	2.594	(0.364)	861414	60.0000	58.2
107 2-Nitropropane	43	8.141	8.143	(1.143)	217335	120.000	122(q)
108 Tetrahydrofuran	42	6.083	6.084	(0.854)	547992	120.000	112
110 Chlorotrifluoroethylene	116	1.295	1.296	(0.182)	297333	60.0000	84.7(A)
111 Isobutene	41	1.548	1.549	(0.217)	566300	1200.00	790(A)
112 Ethanol	45	2.130	2.137	(0.299)	348850	4800.00	4410
113 2-chloro-1,1,1-trifluoroethan	118	1.617	1.615	(0.227)	818843	60.0000	63.5
114 Bromoethane	108	3.225	3.229	(0.453)	516756	60.0000	64.0
115 n-Hexane	57	4.145	4.150	(0.582)	1470391	60.0000	65.2
116 tert-Butyl ethyl ether	59	5.209	5.211	(0.732)	2919335	60.0000	63.0
117 t-butyl formate	59	5.834	5.838	(0.819)	67885	1200.00	1250(Q)
118 tert-Amyl alcohol	59	6.086	6.088	(0.855)	558844	1200.00	1340
119 tert-Amyl-methyl ether	73	6.713	6.715	(0.943)	2222984	60.0000	60.9
120 3,3-dimethyl-1-butanol	57	9.252	9.253	(1.299)	478781	1200.00	1380
121 2-Cleve	63	8.411	8.414	(1.181)	932467	120.000	135(q)

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: 60PPBR.D
Lab Smp Id: 60PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 60PPB
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3246554	0.26
63 CHLOROBENZENE d5	2294514	1147257	4589028	2304788	0.45
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1155754	1.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	-0.00
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	0.00
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	-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\M3121509C.b\60PPBR.D

Date : 15-DEC-2009 10:42

Client ID: 60PPB

Instrument: vms03.i

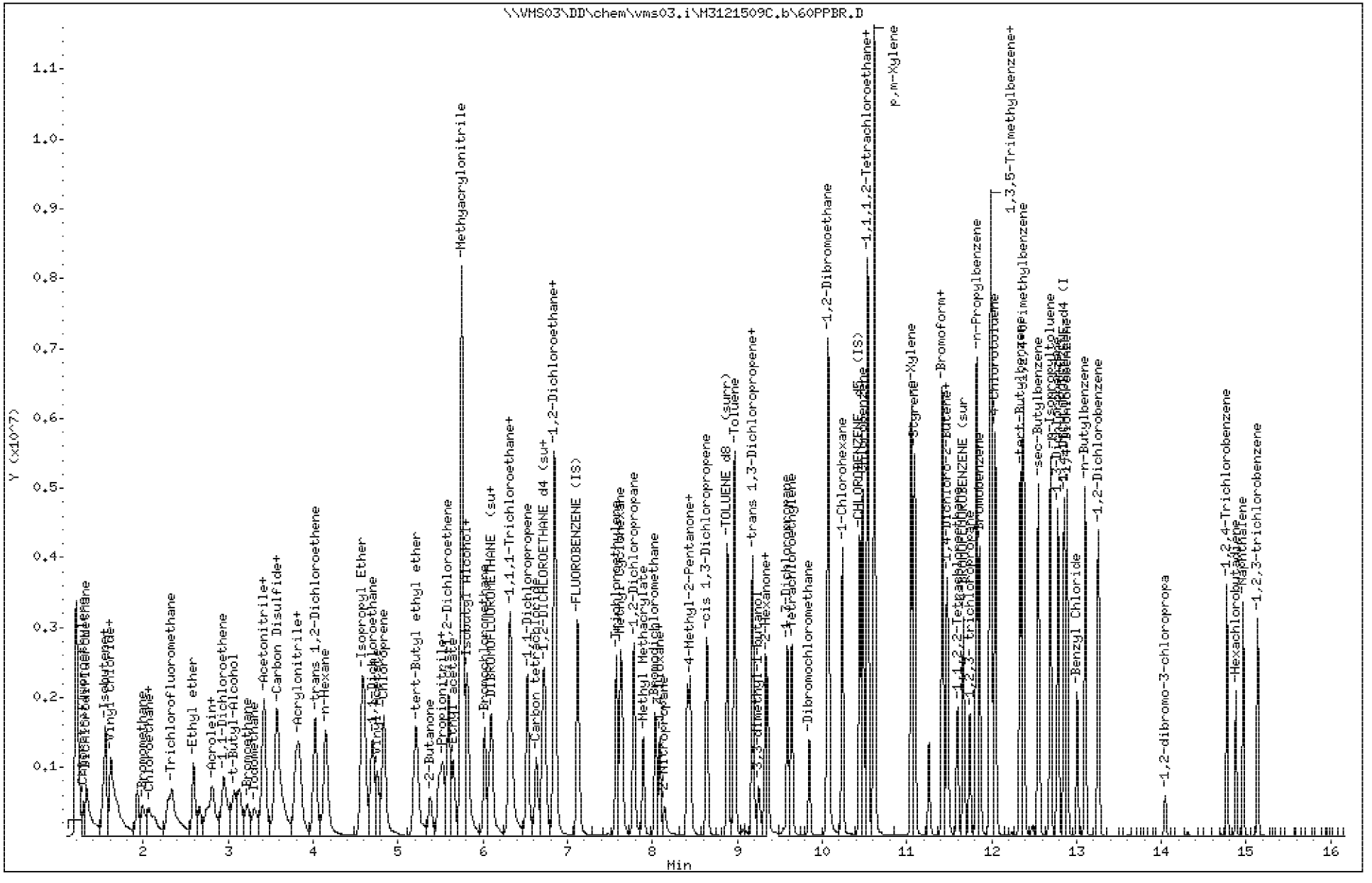
Sample Info: 60PPB

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121509C.b\50PPBR.D
Lab Smp Id: 50PPB Client Smp ID: 50PPB
Inj Date : 15-DEC-2009 11:08
Operator : Inst ID: vms03.i
Smp Info : 50PPB
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Meth Date : 29-Dec-2009 10:26 lpelo Quant Type: ISTD
Cal Date : 15-DEC-2009 07:28 Cal File: 2PPB.D
Als bottle: 13 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)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				2439008	100.000	(a)
M 2 Xylenes (Total)	100				5997674	150.000	(a)
M 3 Trihalomethanes (Total)	100				3492840	50.0000	(a)
4 Dichlorodifluoromethane	85	1.327	1.327	(0.186)	1040672	50.0000	60.3
5 Chloromethane	50	1.523	1.520	(0.214)	707221	50.0000	55.2(M)
6 Vinyl Chloride	62	1.610	1.610	(0.226)	825319	50.0000	53.9
7 Bromomethane	96	1.994	1.994	(0.280)	445359	50.0000	55.4
8 Chloroethane	64	2.070	2.069	(0.291)	498763	50.0000	57.6
9 Trichlorofluoromethane	101	2.296	2.298	(0.323)	928800	50.0000	56.7
10 Acrolein	56	2.735	2.738	(0.384)	105962	100.000	92.4
11 1,1,2 Trichlorotrifluoromethan	101	2.774	2.773	(0.390)	634168	50.0000	57.8
12 Acetone	43	2.814	2.813	(0.395)	696132	100.000	92.6
13 1,1-Dichloroethene	61	2.953	2.956	(0.415)	1319473	50.0000	50.2
109 t-Butyl-Alcohol	59	3.073	3.074	(0.432)	1002570	500.000	506
14 Acetonitrile	41	3.422	3.424	(0.481)	1607936	500.000	517
15 Iodomethane	142	3.318	3.321	(0.466)	713205	50.0000	61.2
16 Methyl Acetate	43	3.399	3.400	(0.477)	671041	50.0000	44.7
17 Allyl Chloride	41	3.422	3.424	(0.481)	1607936	50.0000	51.7
18 Carbon Disulfide	76	3.550	3.553	(0.498)	2731229	50.0000	51.7
19 Methylene Chloride	49	3.579	3.581	(0.503)	1562563	50.0000	47.9
20 Acrylonitrile	53	3.788	3.791	(0.532)	680375	100.000	100
21 Methyl-tert-butyl ether	73	3.831	3.832	(0.538)	2207717	50.0000	51.1
22 trans 1,2-Dichloroethene	61	4.022	4.024	(0.565)	1477659	50.0000	51.5

	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	4.699	4.700	(0.660)	1859157	50.0000	51.1
	24 Vinyl Acetate	43	4.759	4.761	(0.668)	1636325	50.0000	58.5
	25 Chloroprene	53	4.833	4.834	(0.679)	1588708	50.0000	53.7
	26 2-Butanone	43	5.378	5.377	(0.755)	849440	100.000	88.6
	27 Propionitrile	54	5.480	5.482	(0.769)	989762	500.000	468
	28 2,2-Dichloropropane	77	5.529	5.529	(0.776)	863421	50.0000	60.2
	29 cis-1,2-Dichloroethene	96	5.594	5.596	(0.785)	961349	50.0000	51.3
	30 Methyacrylonitrile	67	5.749	5.753	(0.807)	3172462	500.000	479
	31 Isobutyl Alcohol	43	5.826	5.826	(0.818)	263831	1000.00	1190(Q)
	32 Chloroform	83	5.814	5.816	(0.816)	1529190	50.0000	51.0
	33 Bromochloromethane	49	6.020	6.021	(0.845)	930503	50.0000	49.5
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.101	6.104	(0.857)	641336	50.0000	47.1
	35 1,1,1-Trichloroethane	97	6.327	6.329	(0.888)	1063029	50.0000	55.5
	36 Cyclohexane	56	6.323	6.326	(0.888)	1613845	50.0000	54.1
	37 1,1-Dichloropropene	75	6.529	6.532	(0.917)	1214534	50.0000	53.4
	38 Carbon tetrachloride	117	6.634	6.636	(0.932)	820397	50.0000	59.3
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.738	6.739	(0.946)	154360	50.0000	45.6
	40 1,2-Dichloroethane	62	6.850	6.853	(0.962)	1202734	50.0000	49.3
	41 Benzene	78	6.849	6.850	(0.962)	3674426	50.0000	48.9
*	42 FLUOROBENZENE (IS)	96	7.122	7.124	(1.000)	3238256	50.0000	
	43 Trichloroethylene	130	7.576	7.577	(1.064)	793364	50.0000	51.3
	44 Methyl Cyclohexane	55	7.630	7.634	(1.071)	1110822	50.0000	54.4
	45 1,2-Dichloropropane	63	7.781	7.783	(1.093)	1046226	50.0000	50.9
	46 Methyl Methacrylate	69	7.893	7.893	(1.108)	476883	50.0000	55.6
	47 Bromodichloromethane	83	8.037	8.039	(1.129)	1045468	50.0000	53.1
	48 1,4 Dioxane	88	8.090	8.092	(1.136)	96404	1000.00	1130(q)
	49 Dibromomethane	93	8.086	8.087	(1.135)	492157	50.0000	50.6
	50 4-Methyl-2-Pentanone	58	8.442	8.443	(1.185)	581306	100.000	96.8(Q)
	51 2-Hexanone	43	9.358	9.360	(0.896)	1153747	100.000	94.0
	52 cis 1,3-Dichloropropene	75	8.642	8.643	(1.213)	1332778	50.0000	54.9
$	53 TOLUENE d8 (surr)	98	8.884	8.886	(1.248)	2406706	50.0000	46.3
	54 Toluene	92	8.967	8.969	(1.259)	2132819	50.0000	50.7
	55 trans 1,3-Dichloropropene	75	9.176	9.178	(1.288)	1080291	50.0000	56.6
	56 Ethyl Methacrylate	69	9.186	9.188	(1.290)	878024	50.0000	60.7
	57 1,1,2-Trichloroethane	97	9.331	9.333	(1.310)	661609	50.0000	49.1
	58 1,3-Dichloropropane	76	9.592	9.594	(0.919)	1231390	50.0000	47.5
	59 Tetrachloroethylene	164	9.641	9.642	(0.923)	526837	50.0000	51.0
	60 Dibromochloromethane	129	9.848	9.849	(0.943)	607035	50.0000	56.2
	61 1,2-Dibromoethane	107	10.051	10.052	(0.963)	623044	50.0000	49.7
	62 1-Chlorohexane	91	10.237	10.239	(0.980)	1040624	50.0000	55.2
*	63 CHLOROBENZENE d5 (IS)	117	10.441	10.443	(1.000)	2294514	50.0000	
	64 Chlorobenzene	112	10.479	10.481	(1.004)	2068516	50.0000	49.9
	65 1,1,1,2-Tetrachloroethane	131	10.528	10.530	(1.008)	616721	50.0000	56.0(Q)
	66 Ethylbenzene	106	10.539	10.540	(1.009)	1159041	50.0000	50.9
	67 p,m-Xylene	106	10.616	10.619	(1.017)	2834556	100.000	95.4
	68 o-Xylene	91	11.055	11.057	(1.059)	3163118	50.0000	50.0
	69 Styrene	104	11.093	11.094	(1.062)	2234649	50.0000	52.0
	70 Bromoform	173	11.425	11.427	(1.094)	311147	50.0000	58.0
	71 1-Methylethylbenzene	105	11.420	11.421	(0.888)	3345693	50.0000	51.4
	72 1,4-Dichloro-2-Butene	53	11.474	11.476	(0.892)	263878	100.000	116
	73 1,1,2,2-Tetrachloroethane	83	11.596	11.598	(0.902)	806296	50.0000	46.6
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.670	11.671	(0.908)	952480	50.0000	47.7
	75 1,2,3- trichloropropane	110	11.743	11.745	(0.913)	215369	50.0000	47.3
	76 n-Propylbenzene	91	11.822	11.824	(0.920)	4109568	50.0000	52.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	11.857	11.859	(0.922)	1851812	50.0000	50.6
78 1,3,5-Trimethylbenzene	105	11.982	11.984	(0.932)	2890664	50.0000	52.2
79 2-Chlorotoluene	91	11.996	11.998	(0.933)	2958895	50.0000	50.8
80 4-Chlorotoluene	91	12.045	12.046	(0.937)	2885849	50.0000	51.0
81 tert-Butylbenzene	119	12.338	12.340	(0.960)	2465428	50.0000	55.4
82 1,2,4-trimethylbenzene	105	12.376	12.377	(0.963)	2994247	50.0000	51.0
83 sec-Butylbenzene	105	12.552	12.554	(0.976)	3158050	50.0000	52.8
84 p-Isopropyltoluene	119	12.691	12.693	(0.987)	2540355	50.0000	53.5
85 1,3-Dichlorobenzene	146	12.780	12.782	(0.994)	1488128	50.0000	49.8
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.857	12.858	(1.000)	1136750	50.0000	
87 1,4-Dichlorobenzene	146	12.888	12.890	(1.002)	1507318	50.0000	50.0
88 Benzyl Chloride	91	13.007	13.009	(1.012)	1188053	50.0000	69.9
89 n-Butylbenzene	91	13.102	13.104	(1.019)	2379355	50.0000	55.4
90 1,2-Dichlorobenzene	146	13.258	13.259	(1.031)	1377009	50.0000	50.0
91 1,2-dibromo-3-chloropropane	75	14.044	14.045	(1.092)	118454	50.0000	55.3
92 1,2,4-Trichlorobenzene	180	14.771	14.771	(1.149)	697445	50.0000	53.2
93 Hexachlorobutadiene	223	14.878	14.877	(1.157)	161001	50.0000	52.8
94 Naphthalene	128	14.962	14.961	(1.164)	1657654	50.0000	52.7
95 1,2,3-trichlorobenzene	180	15.140	15.138	(1.178)	559639	50.0000	51.4
103 Isopropyl Ether	45	4.587	4.589	(0.644)	3914173	50.0000	49.5
104 Ethyl acetate	43	5.649	5.651	(0.793)	1408473	100.000	104(q)
105 Cyclohexanone	55	11.477	11.478	(1.099)	1082493	500.000	523
106 Ethyl ether	59	2.592	2.594	(0.364)	719948	50.0000	48.8(Q)
107 2-Nitropropane	43	8.141	8.143	(1.143)	151762	100.000	83.3(Q)
108 Tetrahydrofuran	42	6.083	6.084	(0.854)	439989	100.000	89.6
110 Chlorotrifluoroethylene	116	1.295	1.296	(0.182)	235097	50.0000	69.5
111 Isobutene	41	1.548	1.549	(0.217)	452026	1000.00	626(A)
112 Ethanol	45	2.132	2.137	(0.299)	343337	4000.00	4660
113 2-chloro-1,1,1-trifluoroethan	118	1.615	1.615	(0.227)	654250	50.0000	51.1
114 Bromoethane	108	3.226	3.229	(0.453)	422126	50.0000	52.9
115 n-Hexane	57	4.148	4.150	(0.583)	1233413	50.0000	55.4(q)
116 tert-Butyl ethyl ether	59	5.210	5.211	(0.732)	2423375	50.0000	52.7
117 t-butyl formate	59	5.835	5.838	(0.819)	56937	1000.00	1080(q)
118 tert-Amyl alcohol	59	6.086	6.088	(0.855)	512721	1000.00	1290
119 tert-Amyl-methyl ether	73	6.713	6.715	(0.943)	1879618	50.0000	51.9
120 3,3-dimethyl-1-butanol	57	9.252	9.253	(1.299)	427670	1000.00	1300
121 2-Cleve	63	8.411	8.414	(1.181)	794405	100.000	116(Q)

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: 50PPBR.D
Lab Smp Id: 50PPB
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 50PPB
Level: LOW
Sample Type: WATER

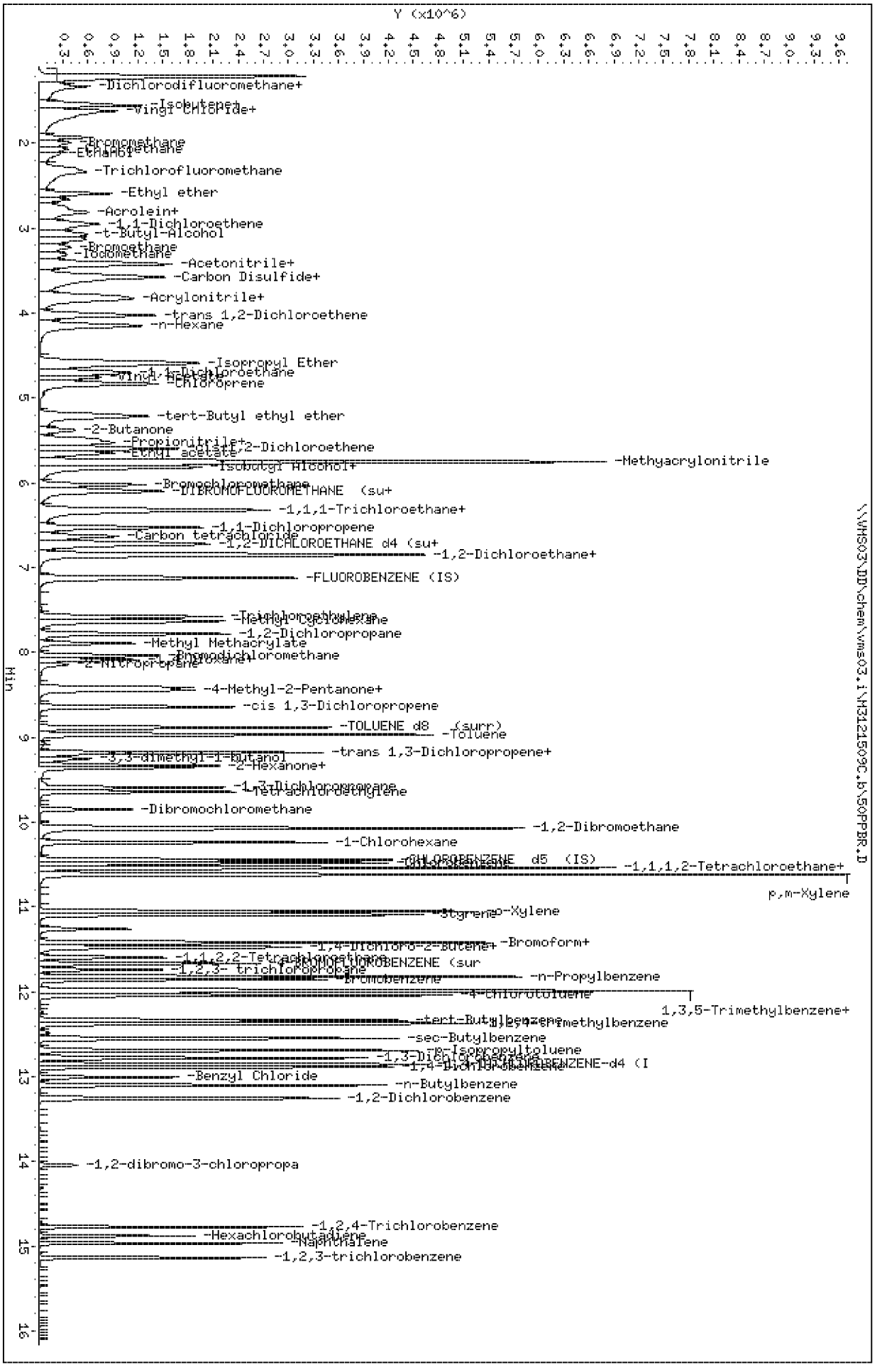
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3238256	0.00
63 CHLOROBENZENE d5	2294514	1147257	4589028	2294514	0.00
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1136750	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.00
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	0.00
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	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: \\WHS03\DD\chem\vms03.i\M3121509C.b\50PPBR.D
Date : 15-DEC-2009 11:08
Client ID: 50PPB
Sample Info: 50PPB
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121509C.b\SEC31.D
Lab Smp Id: SEC31 Client Smp ID: SEC31
Inj Date : 15-DEC-2009 12:13
Operator : Inst ID: vms03.i
Smp Info : SEC31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Meth Date : 29-Dec-2009 10:26 lpelo Quant Type: ISTD
Cal Date : 15-DEC-2009 09:47 Cal File: 80PPB.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 * 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				2543523	103.355	103
M 2 Xylenes (Total)	100				6192634	144.962	145
M 3 Trihalomethanes (Total)	100				3669513	214.474	214
4 Dichlorodifluoromethane	85	1.327	1.327	(0.186)	1042227	57.6541	57.6
5 Chloromethane	50	1.523	1.520	(0.214)	670169	51.2102	51.2(M)
6 Vinyl Chloride	62	1.611	1.610	(0.226)	892000	55.9460	55.9
7 Bromomethane	96	1.993	1.994	(0.280)	486054	58.0027	58.0
8 Chloroethane	64	2.069	2.069	(0.291)	531876	58.6219	58.6
9 Trichlorofluoromethane	101	2.296	2.298	(0.323)	995308	58.5382	58.5
10 Acrolein	56	2.735	2.738	(0.384)	120877	102.057	102
11 1,1,2 Trichlorotrifluoromethan	101	2.773	2.773	(0.390)	672163	57.1238	57.1
12 Acetone	43	2.811	2.813	(0.395)	762642	99.8100	99.8
13 1,1-Dichloroethene	61	2.954	2.956	(0.415)	1412726	51.8739	51.9
109 t-Butyl-Alcohol	59	3.072	3.074	(0.431)	875877	417.778	418
14 Acetonitrile	41	3.420	3.424	(0.480)	1662149	517.435	517
15 Iodomethane	142	3.318	3.321	(0.466)	693106	49.1008	49.1
16 Methyl Acetate	43	3.396	3.400	(0.477)	721692	46.5678	46.6
17 Allyl Chloride	41	3.420	3.424	(0.480)	1662149	51.7435	51.7
18 Carbon Disulfide	76	3.550	3.553	(0.499)	2887060	52.7957	52.8
19 Methylene Chloride	49	3.578	3.581	(0.503)	1663545	49.2692	49.3
20 Acrylonitrile	53	3.785	3.791	(0.532)	713979	101.472	101
21 Methyl-tert-butyl ether	73	3.827	3.832	(0.538)	2312179	51.6797	51.7
22 trans 1,2-Dichloroethene	61	4.020	4.024	(0.565)	1547058	52.0398	52.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	23 1,1-Dichloroethane	63	4.697	4.700	(0.660)	1966853	52.2383	52.2
	24 Vinyl Acetate	43	4.756	4.761	(0.668)	1720939	58.7341	58.7
	25 Chloroprene	53	4.830	4.834	(0.678)	1696333	55.4068	55.4
	26 2-Butanone	43	5.372	5.377	(0.755)	899847	90.2998	90.3
	27 Propionitrile	54	5.477	5.482	(0.769)	1065547	489.097	489
	28 2,2-Dichloropropane	77	5.526	5.529	(0.776)	899258	59.5048	59.5
	29 cis-1,2-Dichloroethene	96	5.591	5.596	(0.785)	996465	51.3154	51.3
	30 Methyacrylonitrile	67	5.748	5.753	(0.807)	3334795	488.095	488
	31 Isobutyl Alcohol	43	5.825	5.826	(0.818)	220573	899.315	899(Q)
	32 Chloroform	83	5.812	5.816	(0.816)	1582485	50.9920	51.0
	33 Bromochloromethane	49	6.016	6.021	(0.845)	1006536	51.9529	52.0
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.099	6.104	(0.857)	682288	49.0560	49.0
	35 1,1,1-Trichloroethane	97	6.325	6.329	(0.888)	1113698	55.9236	55.9
	36 Cyclohexane	56	6.322	6.326	(0.888)	1703122	55.2654	55.3
	37 1,1-Dichloropropene	75	6.528	6.532	(0.917)	1278751	54.1801	54.2
	38 Carbon tetrachloride	117	6.633	6.636	(0.932)	871322	60.1697	60.2
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.733	6.739	(0.946)	173892	50.7295	50.7
	40 1,2-Dichloroethane	62	6.848	6.853	(0.962)	1260628	50.0728	50.1
	41 Benzene	78	6.847	6.850	(0.962)	3822186	49.1619	49.2
*	42 FLUOROBENZENE (IS)	96	7.120	7.124	(1.000)	3339108	50.0000	
	43 Trichloroethylene	130	7.574	7.577	(1.064)	814322	50.7533	50.8
	44 Methyl Cyclohexane	55	7.630	7.634	(1.072)	1137950	53.5764	53.6
	45 1,2-Dichloropropane	63	7.780	7.783	(1.093)	1077741	50.7063	50.7
	46 Methyl Methacrylate	69	7.890	7.893	(1.108)	504266	49.7559	49.8
	47 Bromodichloromethane	83	8.036	8.039	(1.129)	1111230	54.5420	54.5
	48 1,4 Dioxane	88	8.091	8.092	(1.136)	55410	594.538	594(QR)
	49 Dibromomethane	93	8.084	8.087	(1.135)	507657	50.5732	50.6
	50 4-Methyl-2-Pentanone	58	8.441	8.443	(1.185)	609222	98.0287	98.0(Q)
	51 2-Hexanone	43	9.357	9.360	(0.896)	1210163	94.5091	94.5
	52 cis 1,3-Dichloropropene	75	8.641	8.643	(1.214)	1364513	54.1333	54.1
$	53 TOLUENE d8 (surr)	98	8.884	8.886	(1.248)	2623856	49.4761	49.5
	54 Toluene	92	8.966	8.969	(1.259)	2187797	50.1558	50.2
	55 trans 1,3-Dichloropropene	75	9.174	9.178	(1.288)	1132452	57.0946	57.1
	56 Ethyl Methacrylate	69	9.185	9.188	(1.290)	922428	50.1022	50.1
	57 1,1,2-Trichloroethane	97	9.330	9.333	(1.310)	686508	49.3755	49.4
	58 1,3-Dichloropropane	76	9.592	9.594	(0.919)	1291743	48.1950	48.2
	59 Tetrachloroethylene	164	9.639	9.642	(0.923)	551349	51.3279	51.3
	60 Dibromochloromethane	129	9.846	9.849	(0.943)	645615	57.6525	57.6
	61 1,2-Dibromoethane	107	10.050	10.052	(0.963)	644223	49.7251	49.7
	62 1-Chlorohexane	91	10.236	10.239	(0.980)	1082799	55.1112	55.1
*	63 CHLOROBENZENE d5 (IS)	117	10.440	10.443	(1.000)	2367087	50.0000	
	64 Chlorobenzene	112	10.478	10.481	(1.004)	2139114	49.7930	49.8
	65 1,1,1,2-Tetrachloroethane	131	10.527	10.530	(1.008)	651596	56.9851	57.0
	66 Ethylbenzene	106	10.538	10.540	(1.009)	1196181	50.6962	50.7
	67 p,m-Xylene	106	10.616	10.619	(1.017)	2930356	95.2456	95.2
	68 o-Xylene	91	11.054	11.057	(1.059)	3262278	49.7164	49.7
	69 Styrene	104	11.092	11.094	(1.062)	2347352	52.7589	52.8
	70 Bromoform	173	11.424	11.427	(1.094)	330183	51.2877	51.3
	71 1-Methylethylbenzene	105	11.419	11.421	(0.888)	3454740	51.1782	51.2
	72 1,4-Dichloro-2-Butene	53	11.473	11.476	(0.892)	277287	116.882	117
	73 1,1,2,2-Tetrachloroethane	83	11.596	11.598	(0.902)	851896	47.8165	47.8
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.669	11.671	(0.908)	1029265	50.3007	50.3
	75 1,2,3- trichloropropane	110	11.742	11.745	(0.913)	227422	48.4939	48.5
	76 n-Propylbenzene	91	11.822	11.824	(0.920)	4273334	52.1037	52.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	11.856	11.859	(0.922)	1957289	51.6345	51.6
78 1,3,5-Trimethylbenzene	105	11.982	11.984	(0.932)	2952784	51.3517	51.4
79 2-Chlorotoluene	91	11.995	11.998	(0.933)	3093794	51.1852	51.2
80 4-Chlorotoluene	91	12.044	12.046	(0.937)	2973077	50.6223	50.6
81 tert-Butylbenzene	119	12.337	12.340	(0.960)	2313559	49.2546	49.2
82 1,2,4-trimethylbenzene	105	12.375	12.377	(0.963)	3107179	51.1012	51.1
83 sec-Butylbenzene	105	12.551	12.554	(0.976)	3259386	52.5115	52.5
84 p-Isopropyltoluene	119	12.690	12.693	(0.987)	2588645	52.5035	52.5
85 1,3-Dichlorobenzene	146	12.780	12.782	(0.994)	1550201	50.1501	50.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.856	12.858	(1.000)	1169602	50.0000	
87 1,4-Dichlorobenzene	146	12.888	12.890	(1.002)	1555982	49.8534	49.8
88 Benzyl Chloride	91	13.007	13.009	(1.012)	1268954	70.5183	70.5(R)
89 n-Butylbenzene	91	13.101	13.104	(1.019)	2399733	53.6183	53.6
90 1,2-Dichlorobenzene	146	13.257	13.259	(1.031)	1411185	49.5575	49.6
91 1,2-dibromo-3-chloropropane	75	14.044	14.045	(1.092)	119382	53.6007	53.6
92 1,2,4-Trichlorobenzene	180	14.774	14.771	(1.149)	673581	49.5148	49.5
93 Hexachlorobutadiene	223	14.881	14.877	(1.158)	155132	50.9204	50.9
94 Naphthalene	128	14.966	14.961	(1.164)	1613069	49.5253	49.5
95 1,2,3-trichlorobenzene	180	15.145	15.138	(1.178)	537899	47.7367	47.7
103 Isopropyl Ether	45	4.584	4.589	(0.644)	4118325	50.4042	50.4
104 Ethyl acetate	43	5.646	5.651	(0.793)	1496641	106.730	107
105 Cyclohexanone	55	11.476	11.478	(1.099)	1017032	465.460	465
106 Ethyl ether	59	2.591	2.594	(0.364)	746398	49.0180	49.0
107 2-Nitropropane	43	8.139	8.143	(1.143)	181367	98.7382	98.7(q)
108 Tetrahydrofuran	42	6.081	6.084	(0.854)	480330	95.1501	95.2
110 Chlorotrifluoroethylene	116	1.295	1.296	(0.182)	251065	69.5372	69.5(R)
111 Isobutene	41	1.549	1.549	(0.218)	513310	695.984	696(A)
112 Ethanol	45	2.130	2.137	(0.299)	273623	3257.99	3260
113 2-chloro-1,1,1-trifluoroethan	118	1.615	1.615	(0.227)	732230	55.2386	55.2
114 Bromoethane	108	3.226	3.229	(0.453)	442005	53.2551	53.2
115 n-Hexane	57	4.144	4.150	(0.582)	1301117	56.1192	56.1
116 tert-Butyl ethyl ether	59	5.208	5.211	(0.731)	2526463	52.9988	53.0
117 t-butyl formate	59	5.832	5.838	(0.819)	58780	1052.10	1050(Q)
118 tert-Amyl alcohol	59	6.084	6.088	(0.854)	446256	887.419	887
119 tert-Amyl-methyl ether	73	6.711	6.715	(0.943)	1955831	52.1388	52.1
120 3,3-dimethyl-1-butanol	57	9.252	9.253	(1.299)	372594	881.396	881
121 2-Cleve	63	8.410	8.414	(1.181)	803785	113.213	113(Q)

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.
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: SEC31.D
Lab Smp Id: SEC31
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121509C.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: SEC31
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3339108	3.11
63 CHLOROBENZENE d5	2294514	1147257	4589028	2367087	3.16
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1169602	2.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	-0.02
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	-0.01
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	-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\M3121509C.b\SEC31.D

Page 5

Date : 15-DEC-2009 12:13

Client ID: SEC31

Instrument: vms03.i

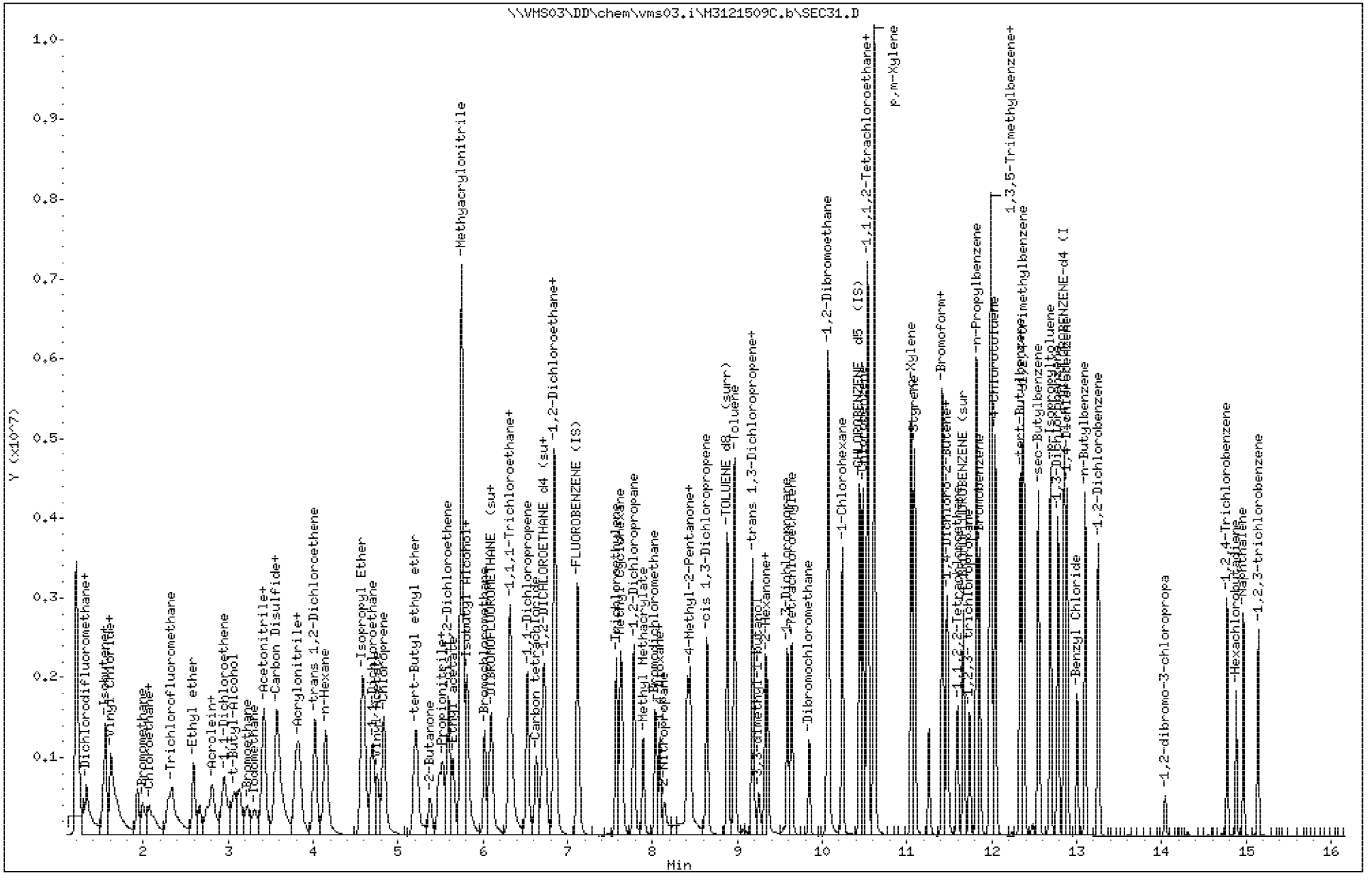
Sample Info: SEC31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121709.b\BFB31.D
Lab Smp Id: 121709BFBA31 Client Smp ID: 121709BFBA31
Inj Date : 17-DEC-2009 04:38
Operator : Inst ID: vms03.i
Smp Info : 121709BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121709.b\BFBE.m
Meth Date : 29-Dec-2009 10:28 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
Processing Host: VOLS11

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 #: 74-83-9		
6.995	7.000	-0.005	95	782464			0.00- 100.00	100.00
6.995	7.000	-0.005	50	167360			15.00- 40.00	21.39
6.995	7.000	-0.005	75	394752			30.00- 60.00	50.45
6.995	7.000	-0.005	96	51952			5.00- 9.00	6.64
6.995	7.000	-0.005	173	0	0.0	0.0	0.00- 2.00	0.00
6.995	7.000	-0.005	174	526336			50.00- 100.00	67.27
6.995	7.000	-0.005	175	39984			5.00- 9.00	7.60
6.995	7.000	-0.005	176	502528			95.00- 101.00	95.48
6.995	7.000	-0.005	177	32800			5.00- 9.00	6.53

Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\BFB31.D

Date : 17-DEC-2009 04:38

Client ID: 121709BFBA31

Instrument: vms03.i

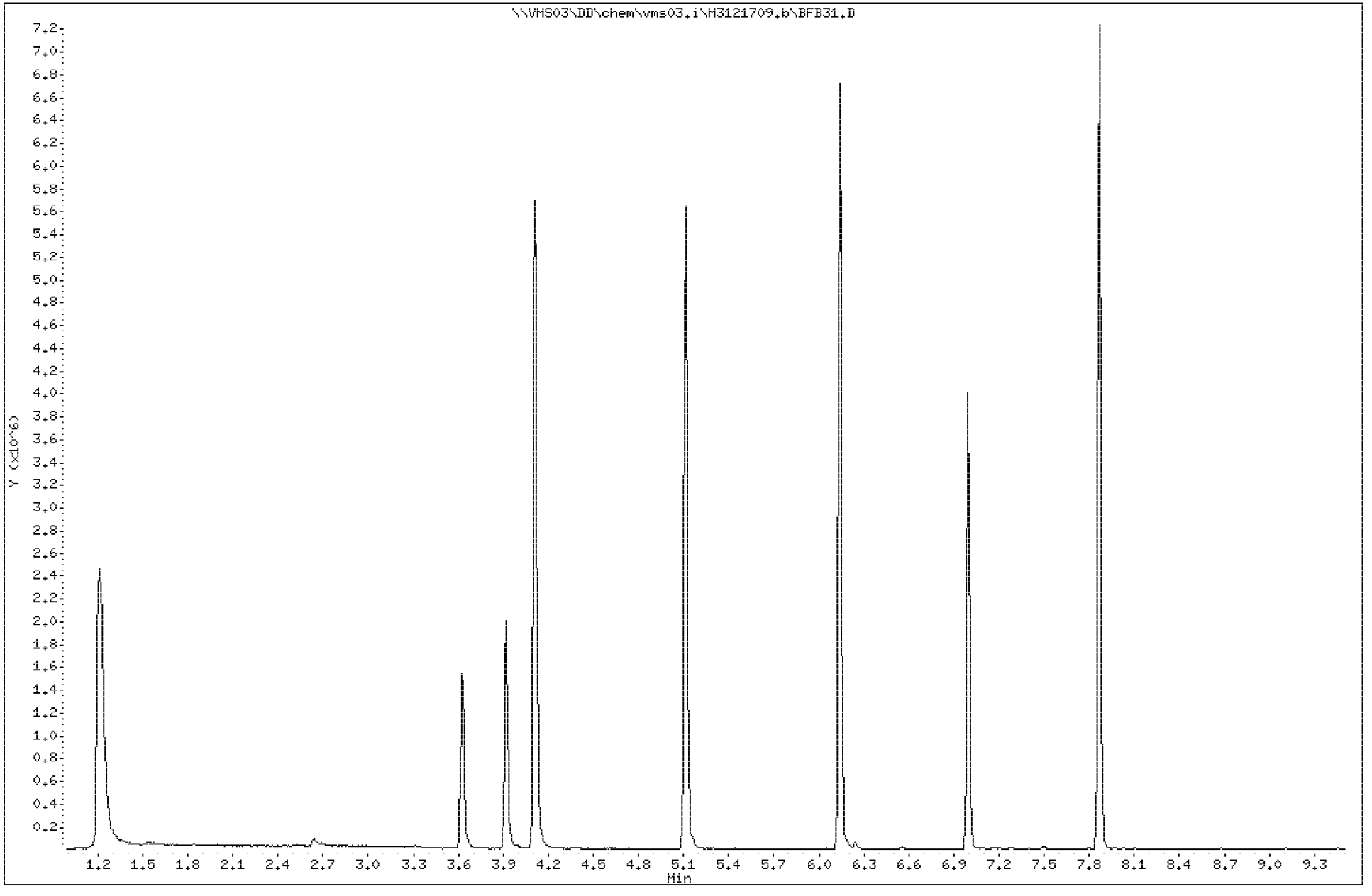
Sample Info: 121709BFBA31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\BFB31.D

Date : 17-DEC-2009 04:38

Client ID: 121709BFBA31

Instrument: vms03.i

Sample Info: 121709BFBA31

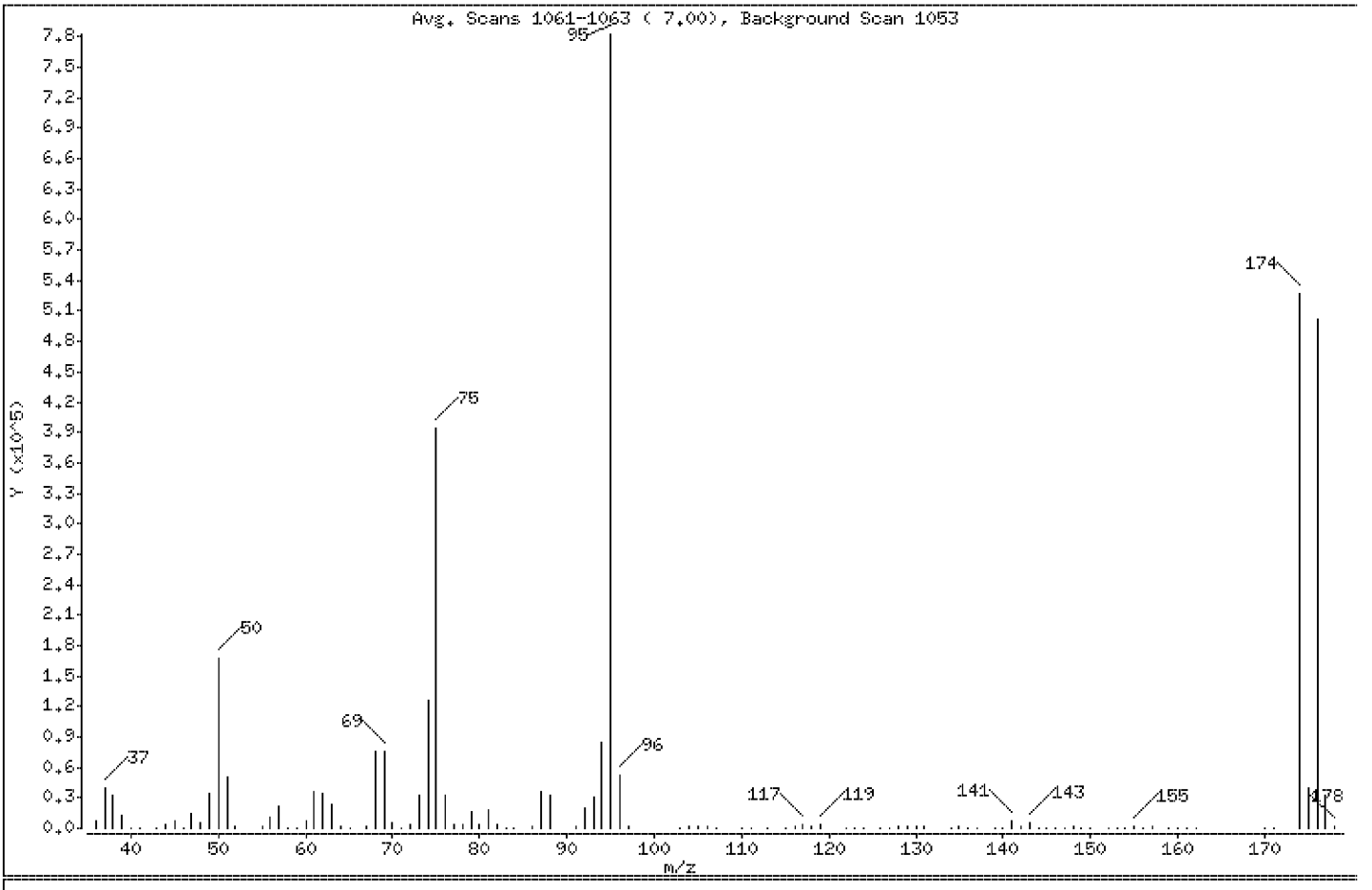
Purge Volume: 5.0

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	21.39
75	30.00 - 60.00% of mass 95	50.45
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	67.27
175	5.00 - 9.00% of mass 174	5.11 (7.60)
176	95.00 - 101.00% of mass 174	64.22 (95.48)
177	5.00 - 9.00% of mass 176	4.19 (6.53)

Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\BFB31.D

Date : 17-DEC-2009 04:38

Client ID: 121709BFBA31 Instrument: vms03.i

Sample Info: 121709BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31.D
Spectrum: Avg. Scans 1061-1063 (7.00), Background Scan 1053
Location of Maximum: 95.00
Number of points: 110

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	7750	68.00	74896	104.00	2557	142.00	959
37.00	39400	69.00	75864	105.00	1068	143.00	5848
38.00	33264	70.00	5047	106.00	2536	144.00	543
39.00	13134	71.00	86	107.00	586	145.00	514
40.00	111	72.00	3561	110.00	277	146.00	782
41.00	266	73.00	32352	111.00	459	147.00	563
43.00	267	74.00	126744	113.00	338	148.00	1269
44.00	3286	75.00	394752	115.00	753	149.00	523
45.00	6963	76.00	32648	116.00	2094	150.00	638
46.00	367	77.00	4148	117.00	4181	152.00	256
47.00	14036	78.00	4183	118.00	2238	153.00	531
48.00	5170	79.00	15777	119.00	2894	154.00	230
49.00	34904	80.00	4267	122.00	96	155.00	1345
50.00	167360	81.00	17624	123.00	204	156.00	135
51.00	50368	82.00	2980	124.00	283	157.00	1100
52.00	2090	83.00	101	126.00	221	159.00	850
55.00	1568	84.00	84	127.00	206	160.00	95
56.00	10877	86.00	937	128.00	2497	161.00	534
57.00	21080	87.00	36400	129.00	1078	162.00	84
58.00	737	88.00	33136	130.00	1861	170.00	110
59.00	89	91.00	2216	131.00	952	171.00	151
60.00	6688	92.00	19640	134.00	190	174.00	526336
61.00	36752	93.00	30040	135.00	1031	175.00	39984
62.00	34384	94.00	83944	136.00	84	176.00	502528
63.00	23960	95.00	782464	137.00	859	177.00	32800
64.00	2011	96.00	51952	139.00	100	178.00	916
65.00	88	97.00	1389	140.00	582		
67.00	2158	103.00	322	141.00	6314		

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D
Lab Smp Id: 121709CCVA32 Client Smp ID: 121709CCVA32
Inj Date : 17-DEC-2009 05:28
Operator : Inst ID: vms03.i
Smp Info : 121709CCVA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121709.b\8260A.m
Meth Date : 29-Dec-2009 10:28 lpelo Quant Type: ISTD
Cal Date : 15-DEC-2009 09:47 Cal File: 80PPB.D
Als bottle: 3 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				2589575	100.000	(a)
M 2 Xylenes (Total)	100				6257736	150.000	(a)
M 3 Trihalomethanes (Total)	100				3618958	50.0000	(a)
4 Dichlorodifluoromethane	85	1.326	1.327	(0.186)	974612	50.0000	53.6
5 Chloromethane	50	1.525	1.520	(0.214)	638591	50.0000	48.6(M)
6 Vinyl Chloride	62	1.607	1.610	(0.226)	751710	50.0000	46.9
7 Bromomethane	96	1.992	1.994	(0.280)	414371	50.0000	49.2
8 Chloroethane	64	2.067	2.069	(0.290)	434826	50.0000	47.7
9 Trichlorofluoromethane	101	2.295	2.298	(0.322)	887587	50.0000	51.9
10 Acrolein	56	2.739	2.738	(0.385)	105681	100.000	88.8(q)
11 1,1,2 Trichlorotrifluoromethan	101	2.772	2.773	(0.389)	611947	50.0000	51.7
12 Acetone	43	2.813	2.813	(0.395)	830013	100.000	108
13 1,1-Dichloroethene	61	2.953	2.956	(0.415)	1415174	50.0000	51.7
109 t-Butyl-Alcohol	59	3.076	3.074	(0.432)	1490557	500.000	707
14 Acetonitrile	41	3.421	3.424	(0.480)	1630884	500.000	505
15 Iodomethane	142	3.321	3.321	(0.466)	774420	50.0000	54.4
16 Methyl Acetate	43	3.399	3.400	(0.477)	776856	50.0000	49.9
17 Allyl Chloride	41	3.421	3.424	(0.480)	1630884	50.0000	50.5
18 Carbon Disulfide	76	3.551	3.553	(0.499)	3059536	50.0000	55.7
19 Methylene Chloride	49	3.579	3.581	(0.503)	1664563	50.0000	49.0
20 Acrylonitrile	53	3.789	3.791	(0.532)	797545	100.000	113
21 Methyl-tert-butyl ether	73	3.831	3.832	(0.538)	2226834	50.0000	49.5
22 trans 1,2-Dichloroethene	61	4.021	4.024	(0.565)	1573067	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	4.699	4.700	(0.660)	1948352	50.0000	51.5
	24 Vinyl Acetate	43	4.759	4.761	(0.668)	1627301	50.0000	55.2
	25 Chloroprene	53	4.833	4.834	(0.679)	1682355	50.0000	54.7
	26 2-Butanone	43	5.377	5.377	(0.755)	1117500	100.000	112
	27 Propionitrile	54	5.479	5.482	(0.769)	1341145	500.000	612
	28 2,2-Dichloropropane	77	5.528	5.529	(0.776)	711165	50.0000	46.8
	29 cis-1,2-Dichloroethene	96	5.594	5.596	(0.786)	1016508	50.0000	52.1
	30 Methyacrylonitrile	67	5.750	5.753	(0.808)	3648947	500.000	531
	31 Isobutyl Alcohol	43	5.826	5.826	(0.818)	376896	1000.00	1530(Q)
	32 Chloroform	83	5.813	5.816	(0.816)	1589943	50.0000	51.0
	33 Bromochloromethane	49	6.018	6.021	(0.845)	1002119	50.0000	51.5
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.102	6.104	(0.857)	687509	50.0000	49.2
	35 1,1,1-Trichloroethane	97	6.325	6.329	(0.888)	1054534	50.0000	52.7
	36 Cyclohexane	56	6.323	6.326	(0.888)	1732237	50.0000	55.9
	37 1,1-Dichloropropene	75	6.528	6.532	(0.917)	1278832	50.0000	53.9
	38 Carbon tetrachloride	117	6.634	6.636	(0.932)	788731	50.0000	54.2
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.737	6.739	(0.946)	174031	50.0000	50.5
	40 1,2-Dichloroethane	62	6.851	6.853	(0.962)	1290322	50.0000	51.0
	41 Benzene	78	6.848	6.850	(0.962)	3819895	50.0000	48.9
*	42 FLUOROBENZENE (IS)	96	7.121	7.124	(1.000)	3355983	50.0000	
	43 Trichloroethylene	130	7.576	7.577	(1.064)	826413	50.0000	51.2
	44 Methyl Cyclohexane	55	7.632	7.634	(1.072)	1168604	50.0000	54.7
	45 1,2-Dichloropropane	63	7.781	7.783	(1.093)	1078238	50.0000	50.5
	46 Methyl Methacrylate	69	7.893	7.893	(1.108)	527580	50.0000	51.7
	47 Bromodichloromethane	83	8.037	8.039	(1.129)	1079909	50.0000	52.7
	48 1,4 Dioxane	88	8.091	8.092	(1.136)	140968	1000.00	1500(q)
	49 Dibromomethane	93	8.086	8.087	(1.136)	559963	50.0000	55.5
	50 4-Methyl-2-Pentanone	58	8.442	8.443	(1.185)	681265	100.000	109(q)
	51 2-Hexanone	43	9.358	9.360	(0.896)	1476518	100.000	114
	52 cis 1,3-Dichloropropene	75	8.642	8.643	(1.214)	1330424	50.0000	52.5
$	53 TOLUENE d8 (surr)	98	8.884	8.886	(1.248)	2656138	50.0000	49.8
	54 Toluene	92	8.967	8.969	(1.259)	2221037	50.0000	50.7
	55 trans 1,3-Dichloropropene	75	9.176	9.178	(1.288)	1036621	50.0000	52.0
	56 Ethyl Methacrylate	69	9.186	9.188	(1.290)	944747	50.0000	51.0
	57 1,1,2-Trichloroethane	97	9.331	9.333	(1.310)	725383	50.0000	51.9
	58 1,3-Dichloropropane	76	9.593	9.594	(0.919)	1335252	50.0000	49.1
	59 Tetrachloroethylene	164	9.641	9.642	(0.923)	556985	50.0000	51.1
	60 Dibromochloromethane	129	9.847	9.849	(0.943)	633438	50.0000	55.8
	61 1,2-Dibromoethane	107	10.051	10.052	(0.963)	683970	50.0000	52.0
	62 1-Chlorohexane	91	10.237	10.239	(0.980)	1085957	50.0000	54.5
*	63 CHLOROBENZENE d5 (IS)	117	10.441	10.443	(1.000)	2400639	50.0000	
	64 Chlorobenzene	112	10.479	10.481	(1.004)	2163496	50.0000	49.6
	65 1,1,1,2-Tetrachloroethane	131	10.528	10.530	(1.008)	618394	50.0000	53.3
	66 Ethylbenzene	106	10.539	10.540	(1.009)	1200458	50.0000	50.2
	67 p,m-Xylene	106	10.616	10.619	(1.017)	2977149	100.000	95.4
	68 o-Xylene	91	11.056	11.057	(1.059)	3280587	50.0000	49.3
	69 Styrene	104	11.092	11.094	(1.062)	2389412	50.0000	53.0
	70 Bromoform	173	11.425	11.427	(1.094)	315668	50.0000	48.4
	71 1-Methylethylbenzene	105	11.419	11.421	(0.888)	3524092	50.0000	49.8
	72 1,4-Dichloro-2-Butene	53	11.475	11.476	(0.893)	225734	100.000	90.7
	73 1,1,2,2-Tetrachloroethane	83	11.596	11.598	(0.902)	924655	50.0000	49.5
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.669	11.671	(0.908)	1045187	50.0000	48.7
	75 1,2,3- trichloropropane	110	11.743	11.745	(0.913)	254012	50.0000	51.6
	76 n-Propylbenzene	91	11.823	11.824	(0.920)	4353179	50.0000	50.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	11.858	11.859	(0.922)	1962798	50.0000	49.3
78 1,3,5-Trimethylbenzene	105	11.982	11.984	(0.932)	3071308	50.0000	50.9
79 2-Chlorotoluene	91	11.996	11.998	(0.933)	3134068	50.0000	49.4
80 4-Chlorotoluene	91	12.044	12.046	(0.937)	3012615	50.0000	48.9
81 tert-Butylbenzene	119	12.338	12.340	(0.960)	2601450	50.0000	52.8
82 1,2,4-trimethylbenzene	105	12.375	12.377	(0.963)	3203418	50.0000	50.2
83 sec-Butylbenzene	105	12.552	12.554	(0.976)	3362763	50.0000	51.6
84 p-Isopropyltoluene	119	12.691	12.693	(0.987)	2708581	50.0000	52.4
85 1,3-Dichlorobenzene	146	12.780	12.782	(0.994)	1592806	50.0000	49.1
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.857	12.858	(1.000)	1227270	50.0000	
87 1,4-Dichlorobenzene	146	12.888	12.890	(1.002)	1608703	50.0000	49.1
88 Benzyl Chloride	91	13.008	13.009	(1.012)	993079	50.0000	52.6
89 n-Butylbenzene	91	13.102	13.104	(1.019)	2528314	50.0000	53.8
90 1,2-Dichlorobenzene	146	13.257	13.259	(1.031)	1487985	50.0000	49.8
91 1,2-dibromo-3-chloropropane	75	14.044	14.045	(1.092)	131219	50.0000	56.1
92 1,2,4-Trichlorobenzene	180	14.771	14.771	(1.149)	757006	50.0000	53.0
93 Hexachlorobutadiene	223	14.876	14.877	(1.157)	164391	50.0000	51.4
94 Naphthalene	128	14.961	14.961	(1.164)	1905822	50.0000	55.8
95 1,2,3-trichlorobenzene	180	15.138	15.138	(1.177)	599321	50.0000	50.7
103 Isopropyl Ether	45	4.588	4.589	(0.644)	4129639	50.0000	50.3
104 Ethyl acetate	43	5.650	5.651	(0.793)	1615636	100.000	115(Q)
105 Cyclohexanone	55	11.477	11.478	(1.099)	1154401	500.000	521
106 Ethyl ether	59	2.592	2.594	(0.364)	790637	50.0000	51.7
107 2-Nitropropane	43	8.141	8.143	(1.143)	186868	100.000	101
108 Tetrahydrofuran	42	6.083	6.084	(0.854)	607733	100.000	120
110 Chlorotrifluoroethylene	116	1.294	1.296	(0.182)	195124	50.0000	53.8
111 Isobutene	41	1.548	1.549	(0.217)	718964	1000.00	970(A)
112 Ethanol	45	2.134	2.137	(0.300)	468712	4000.00	5550
113 2-chloro-1,1,1-trifluoroethan	118	1.612	1.615	(0.226)	602935	50.0000	45.2
114 Bromoethane	108	3.225	3.229	(0.453)	434455	50.0000	52.1
115 n-Hexane	57	4.148	4.150	(0.582)	1340625	50.0000	57.5
116 tert-Butyl ethyl ether	59	5.210	5.211	(0.732)	2154618	50.0000	45.0
117 t-butyl formate	59	5.832	5.838	(0.819)	36615	1000.00	652(Q)
118 tert-Amyl alcohol	59	6.086	6.088	(0.855)	651952	1000.00	1270
119 tert-Amyl-methyl ether	73	6.713	6.715	(0.943)	1734692	50.0000	46.0
120 3,3-dimethyl-1-butanol	57	9.252	9.253	(1.299)	607301	1000.00	1390
121 2-Cleve	63	8.411	8.414	(1.181)	749191	100.000	105(q)

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: 50CCV32.D
Lab Smp Id: 121709CCVA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121709.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 10:15
Client Smp ID: 121709CCVA32
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3260733	1630367	6521466	3355983	2.92
63 CHLOROBENZENE d5	2305644	1152822	4611288	2400639	4.12
86 1,4-DICHLOROBENZE	1174381	587191	2348762	1227270	4.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	-0.01
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	-0.01
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	-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\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

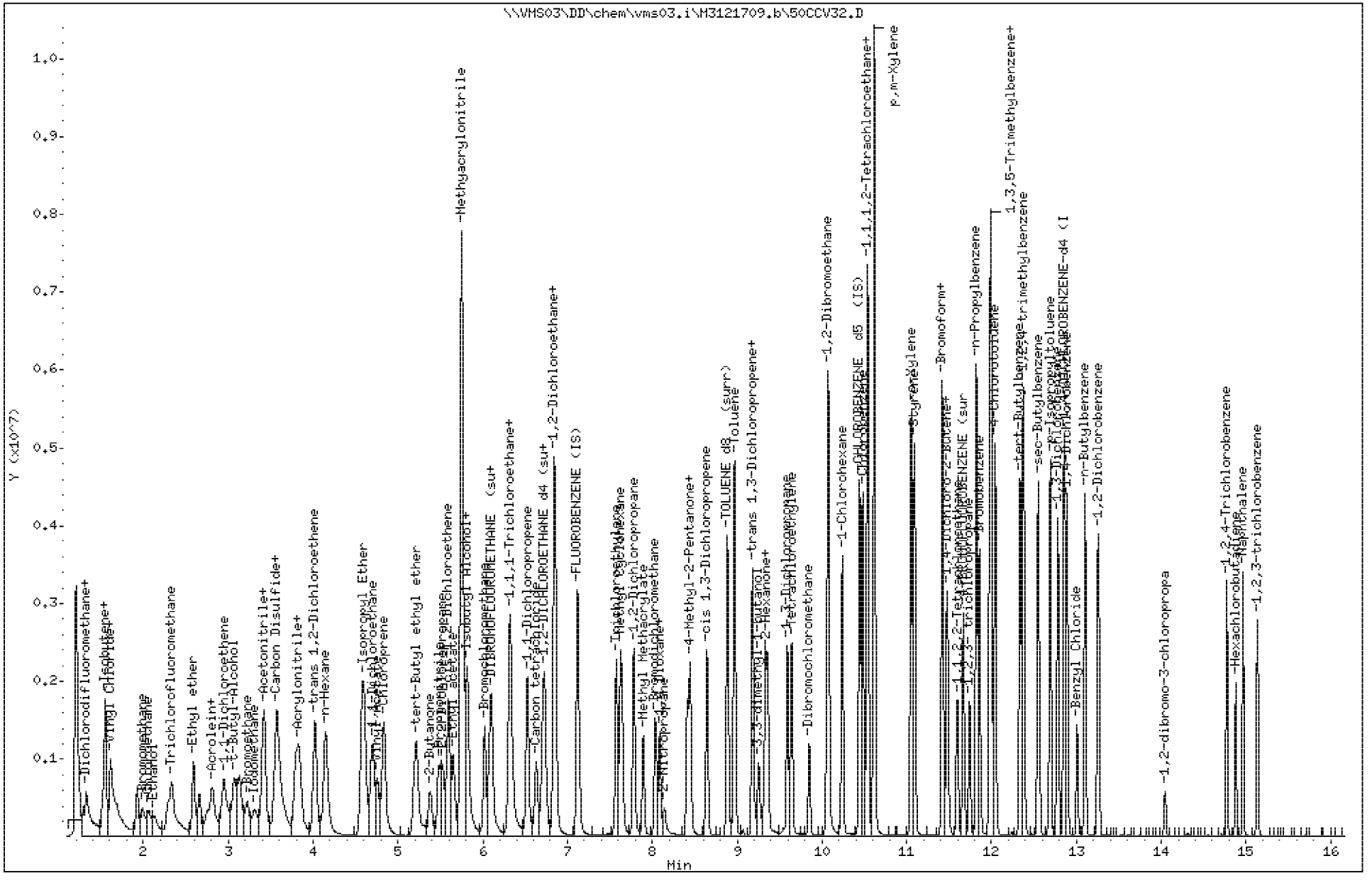
Sample Info: 121709CCVA32

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

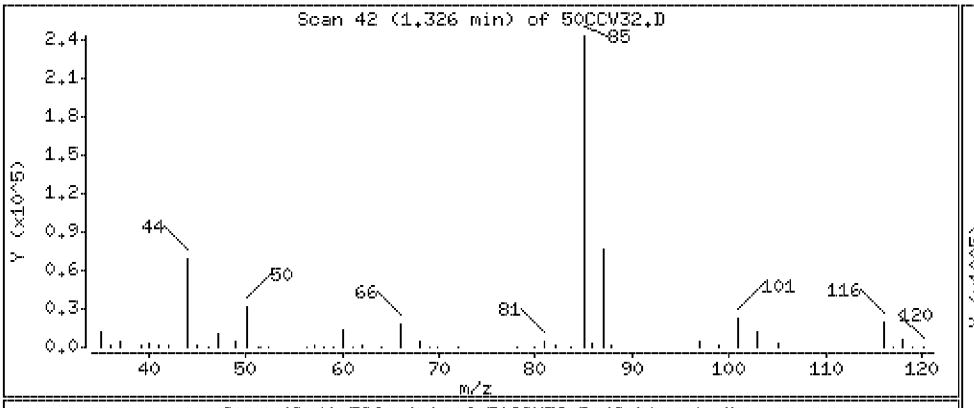
Client ID: 121709CCVA32 Instrument: vms03.i

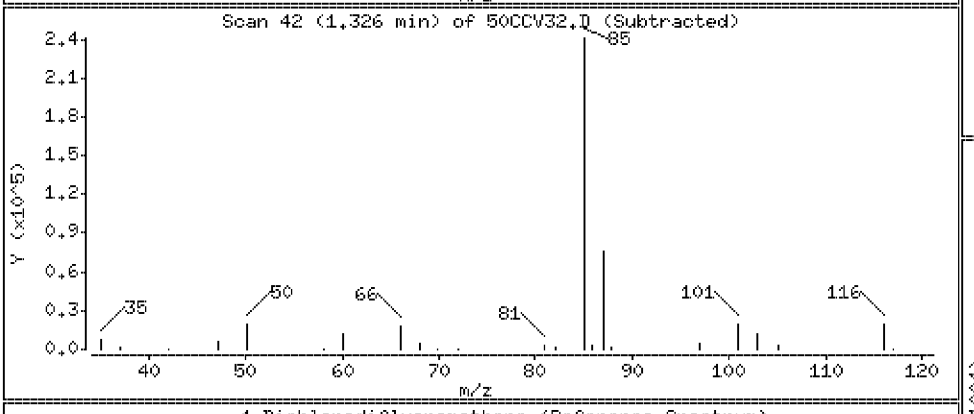
Sample Info: 121709CCVA32

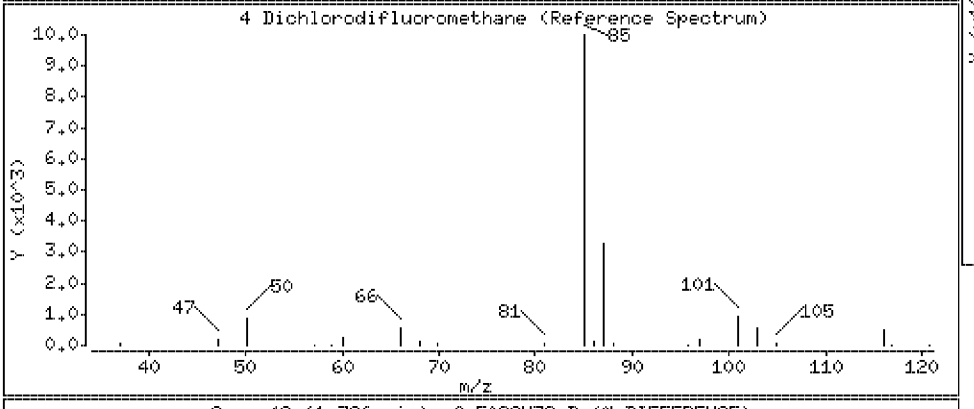
Purge Volume: 5.0 Operator:

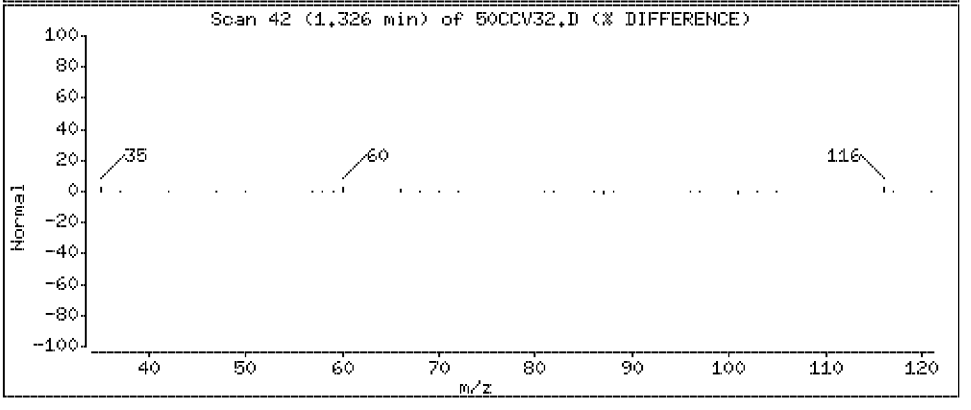
Column phase: DB-624 Column diameter: 0.18

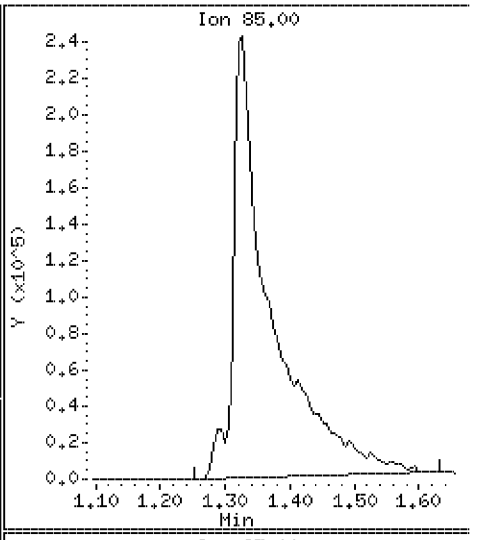
4 Dichlorodifluoromethane Concentration: 53.6 ug/l

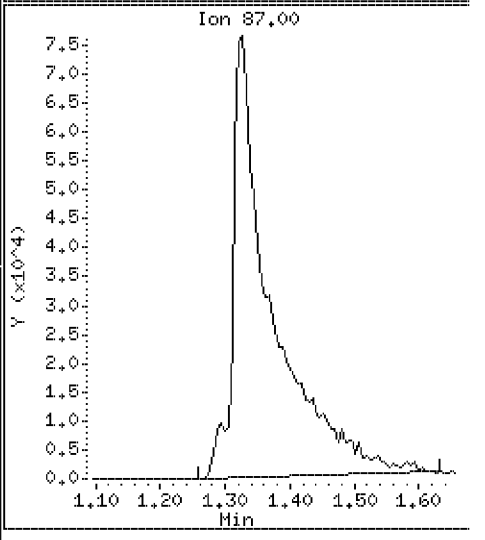












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

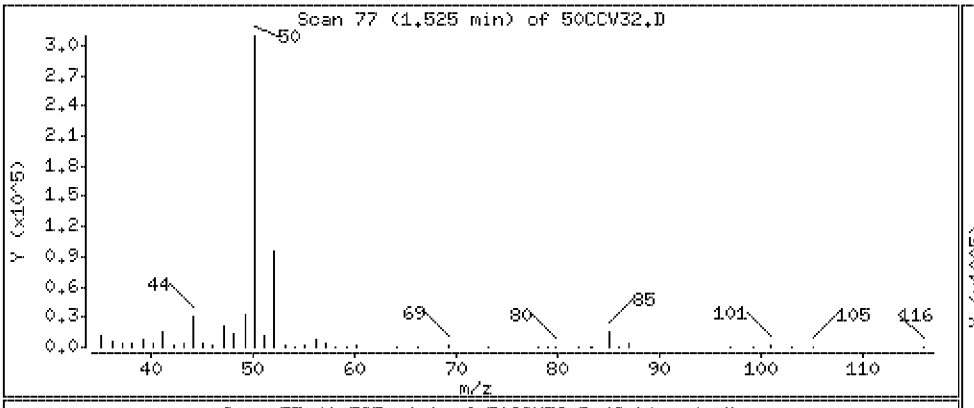
Client ID: 121709CCVA32 Instrument: vms03.i

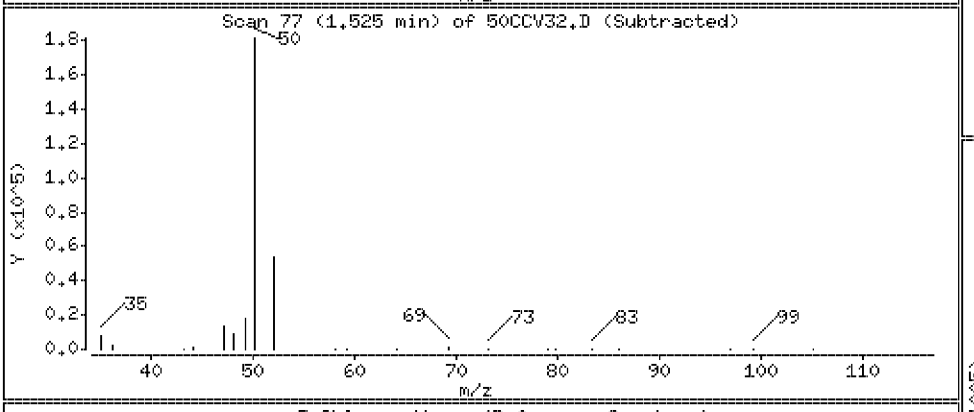
Sample Info: 121709CCVA32

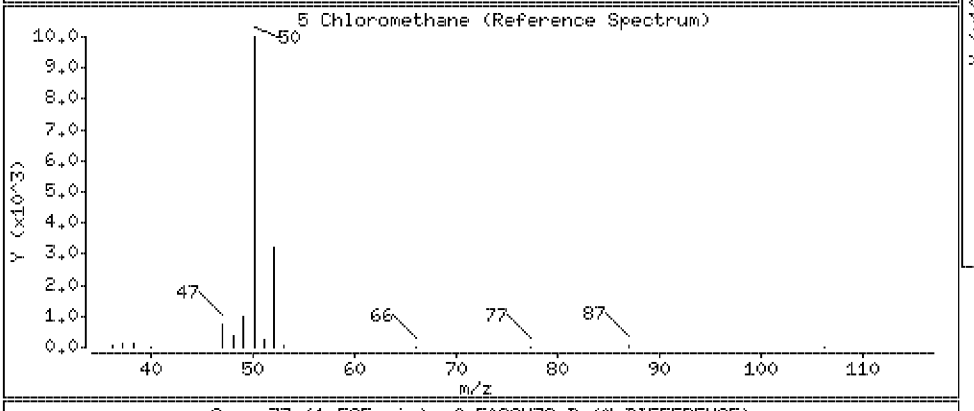
Purge Volume: 5.0 Operator:

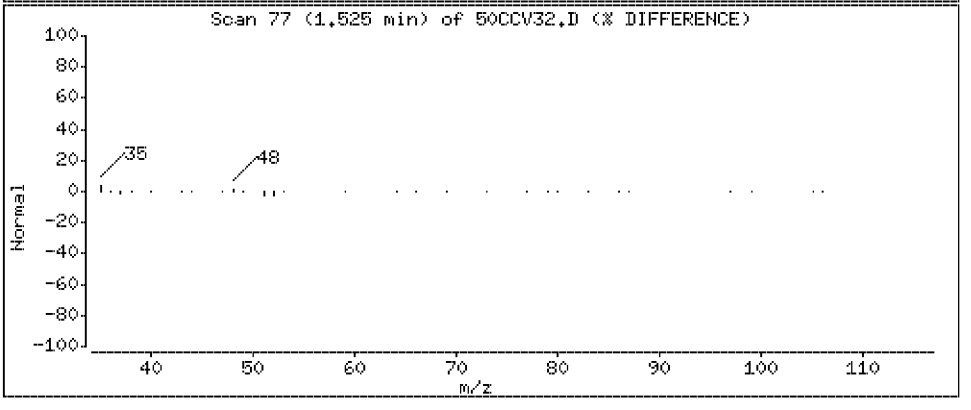
Column phase: DB-624 Column diameter: 0.18

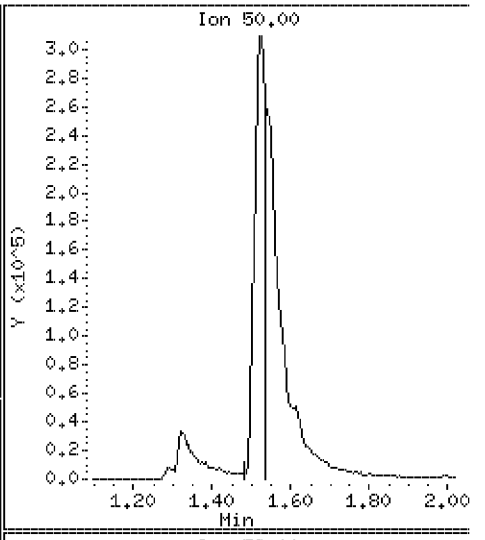
5 Chloromethane Concentration: 48.6 ug/l

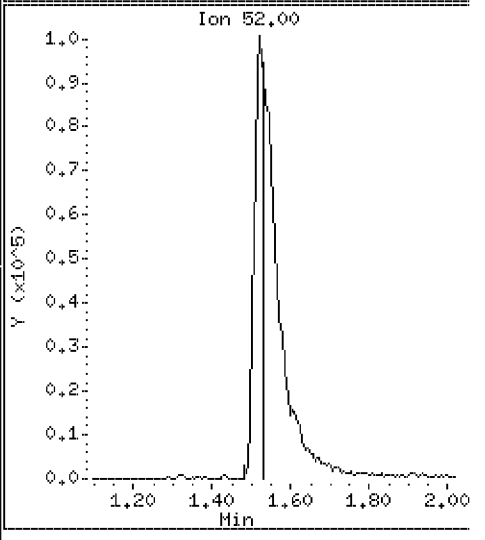












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

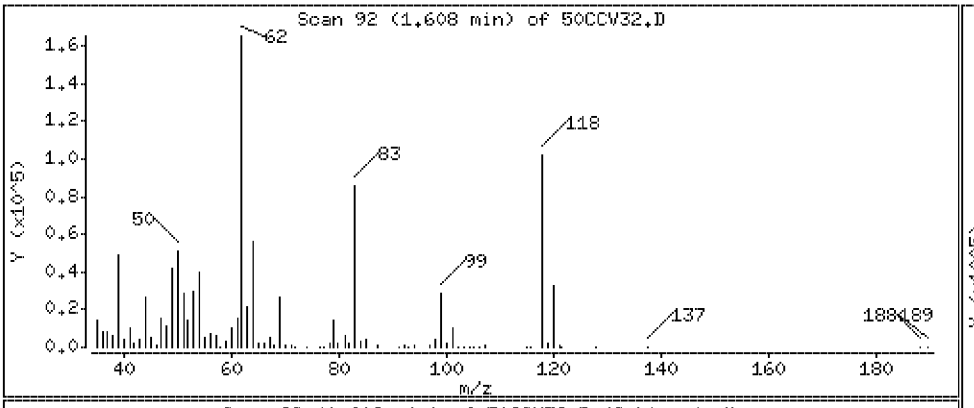
Operator:

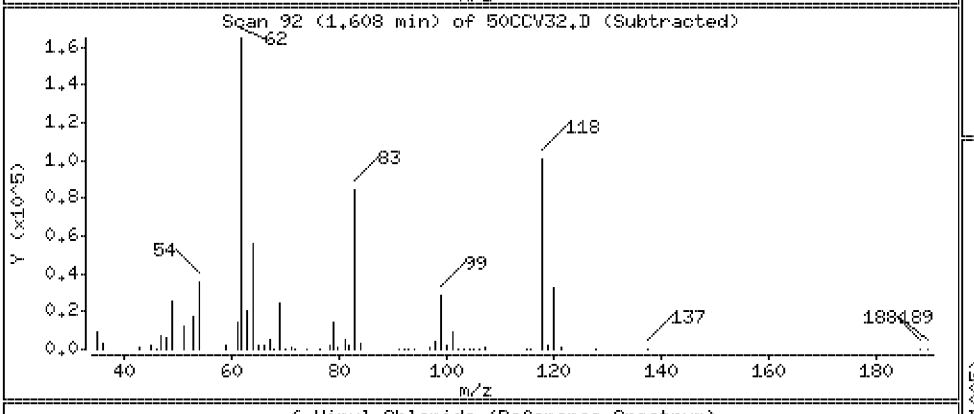
Column phase: DB-624

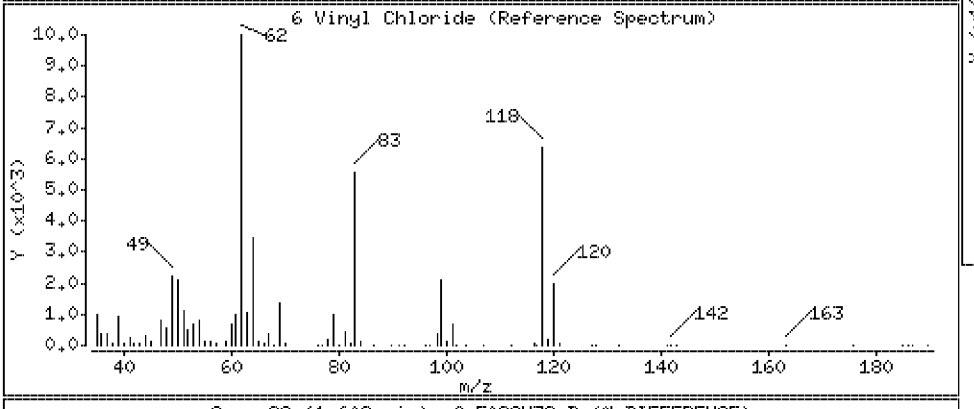
Column diameter: 0.18

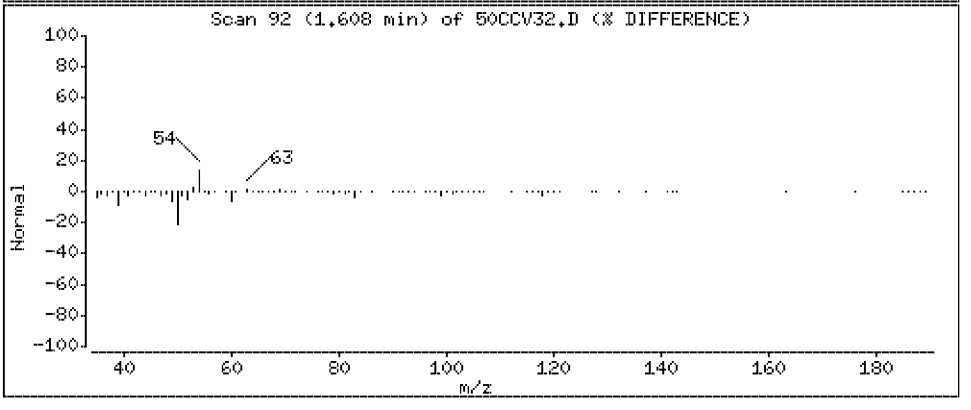
6 Vinyl Chloride

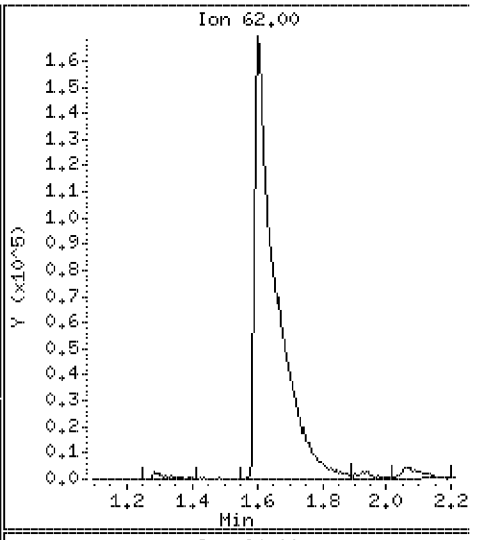
Concentration: 46.9 ug/l

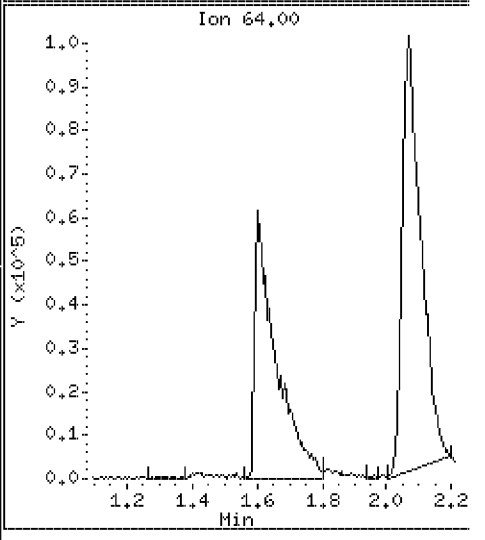












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

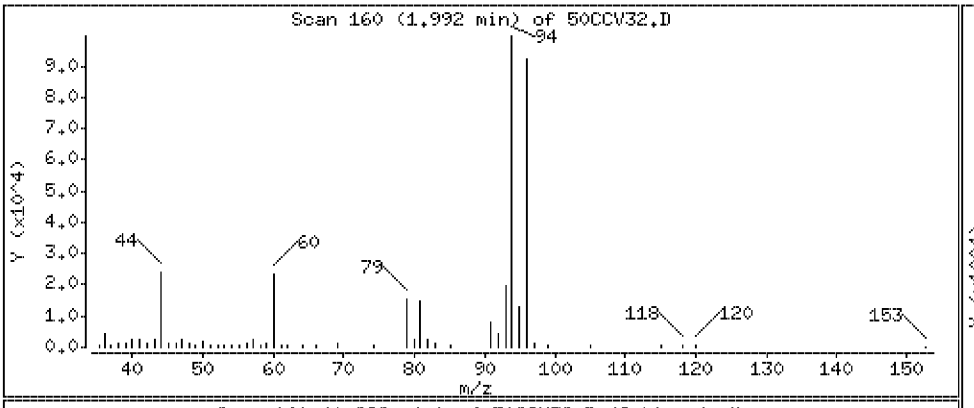
Client ID: 121709CCVA32 Instrument: vms03.i

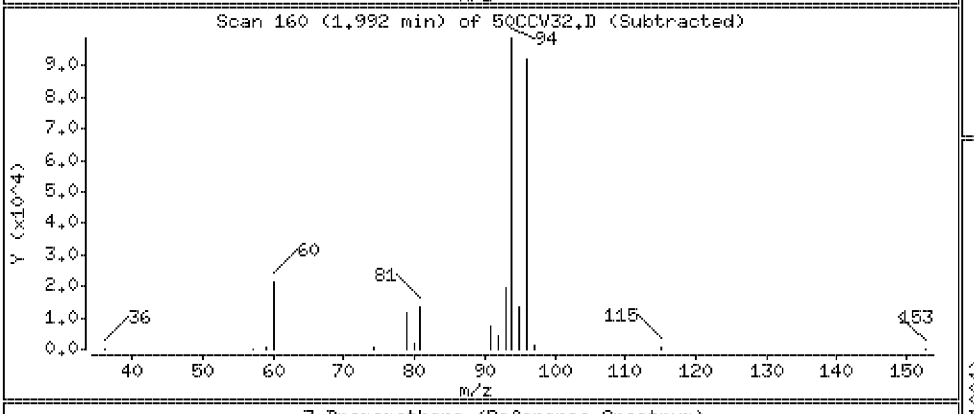
Sample Info: 121709CCVA32

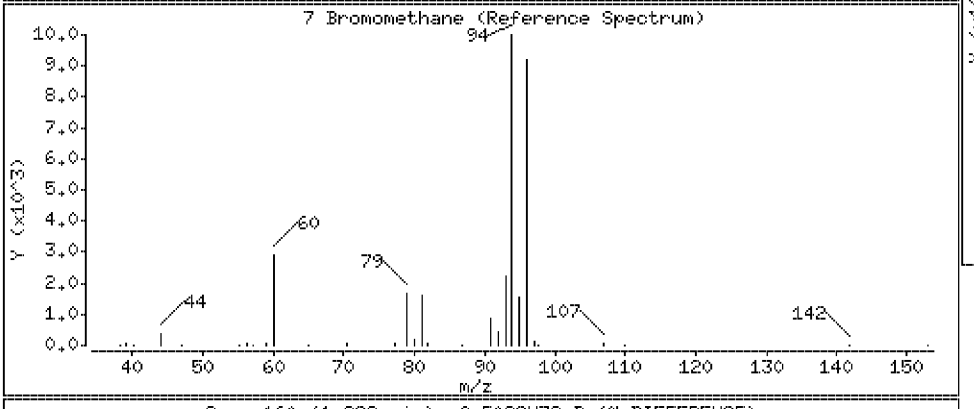
Purge Volume: 5.0 Operator:

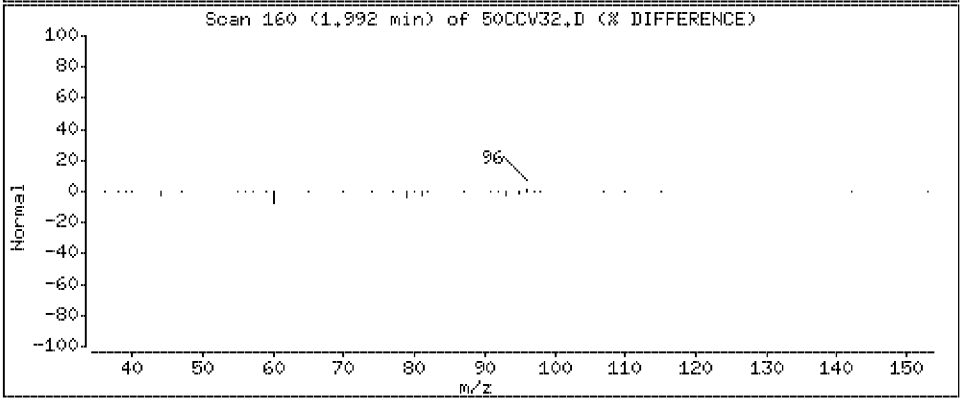
Column phase: DB-624 Column diameter: 0.18

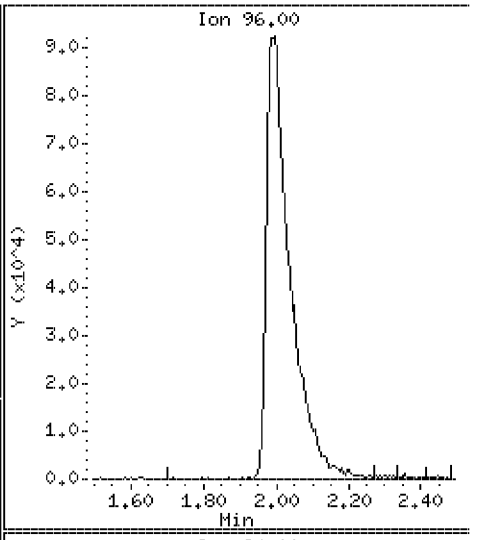
7 Bromomethane Concentration: 49.2 ug/l

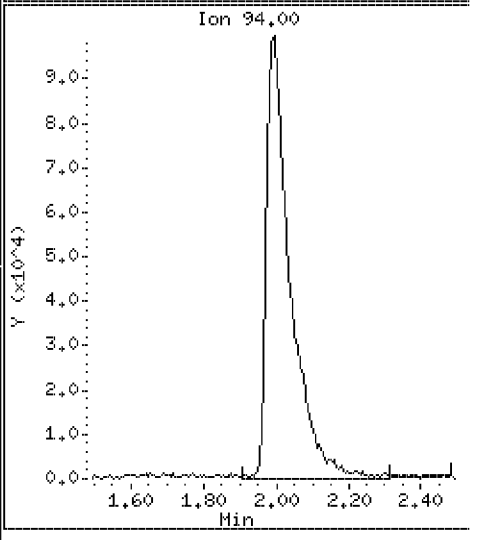












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Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

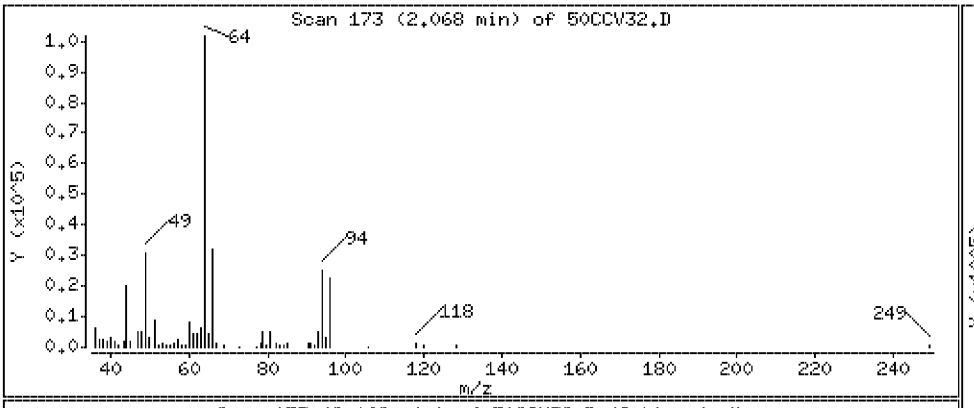
Operator:

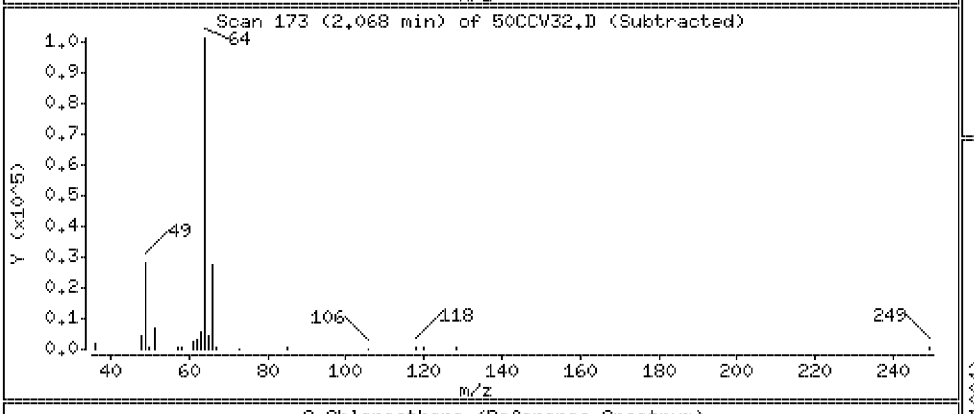
Column phase: DB-624

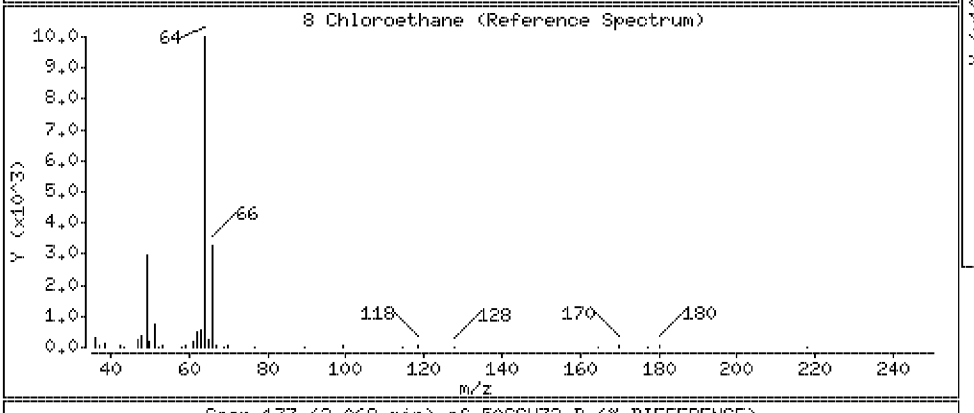
Column diameter: 0.18

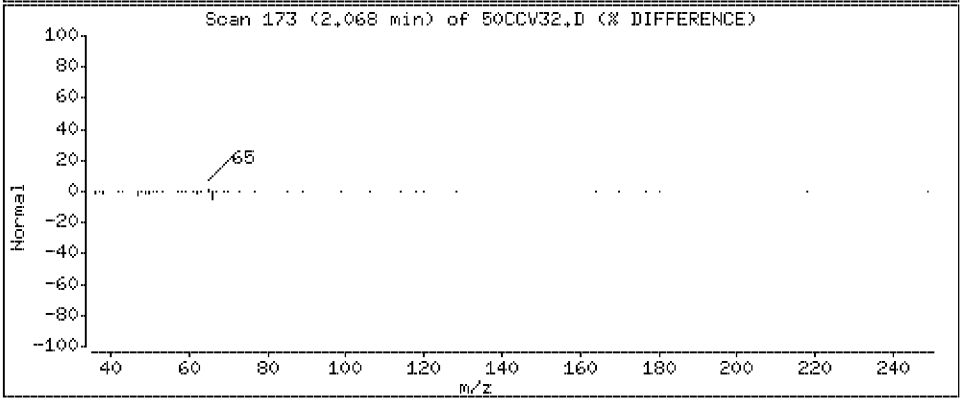
8 Chloroethane

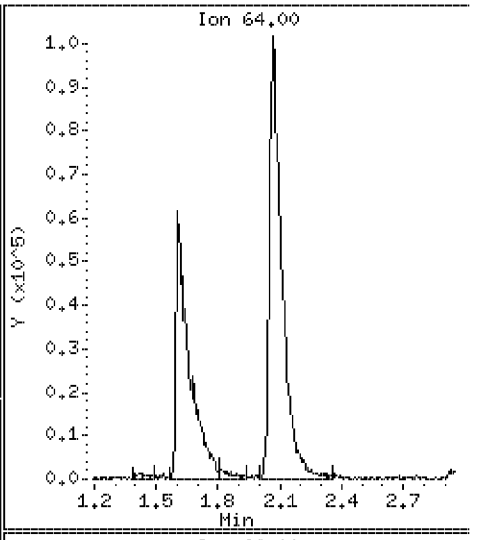
Concentration: 47.7 ug/l

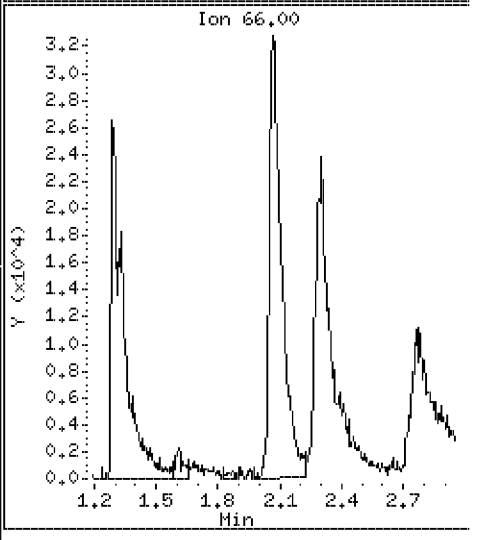












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

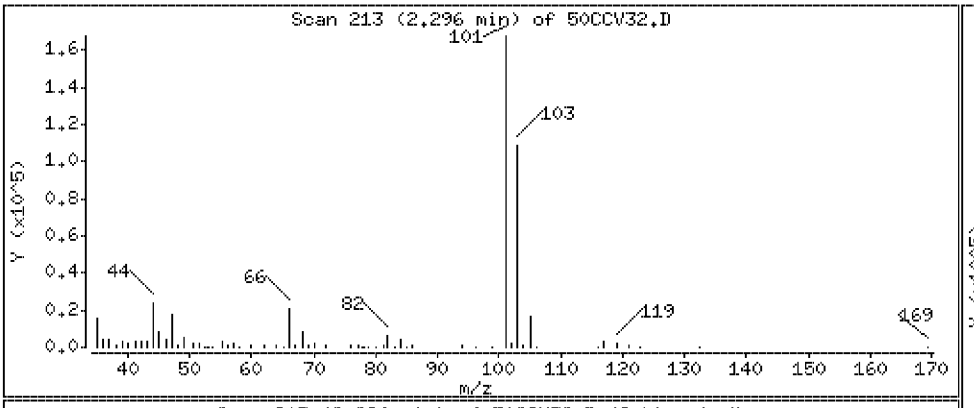
Client ID: 121709CCVA32 Instrument: vms03.i

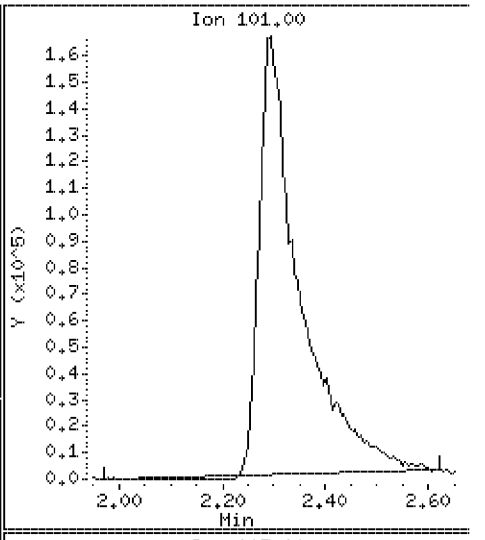
Sample Info: 121709CCVA32

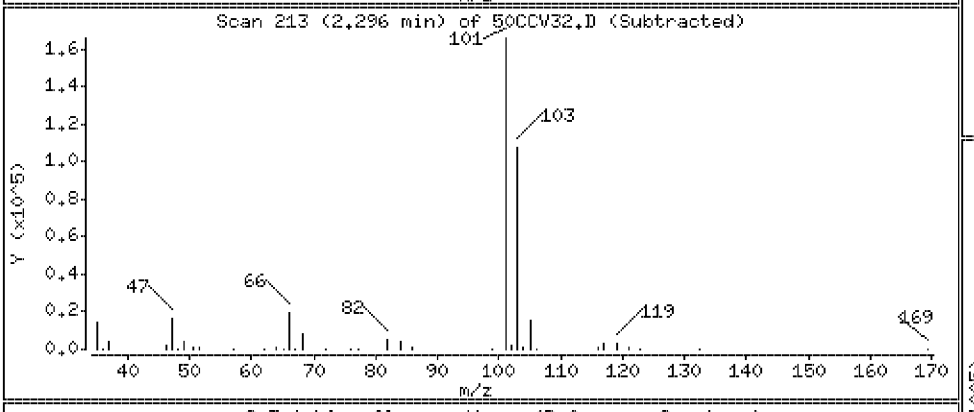
Purge Volume: 5.0 Operator:

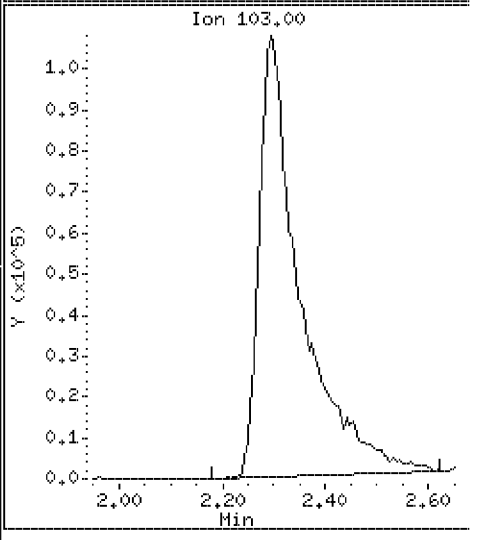
Column phase: DB-624 Column diameter: 0.18

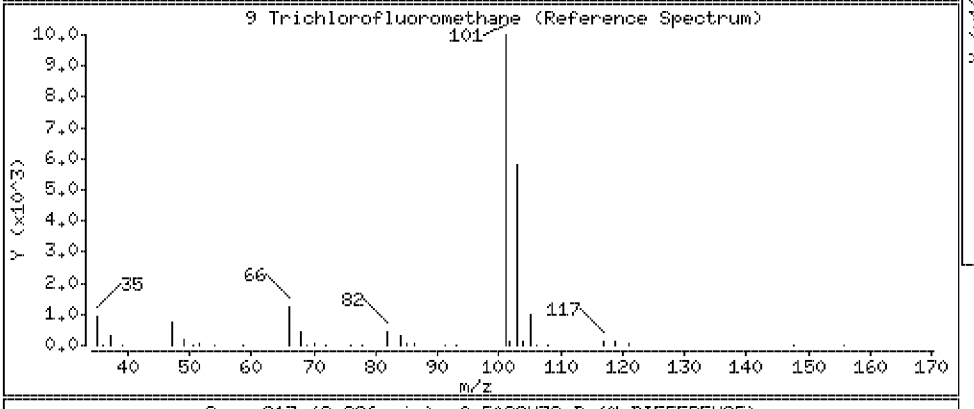
9 Trichlorofluoromethane Concentration: 51.9 ug/l

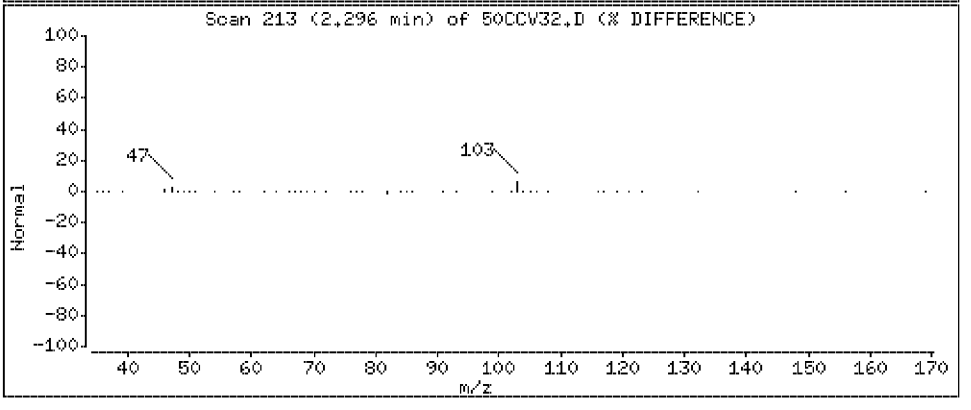












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Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

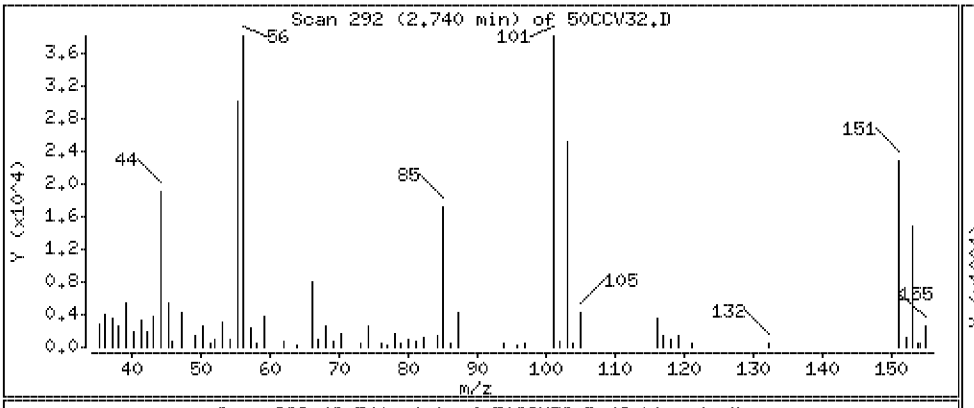
Operator:

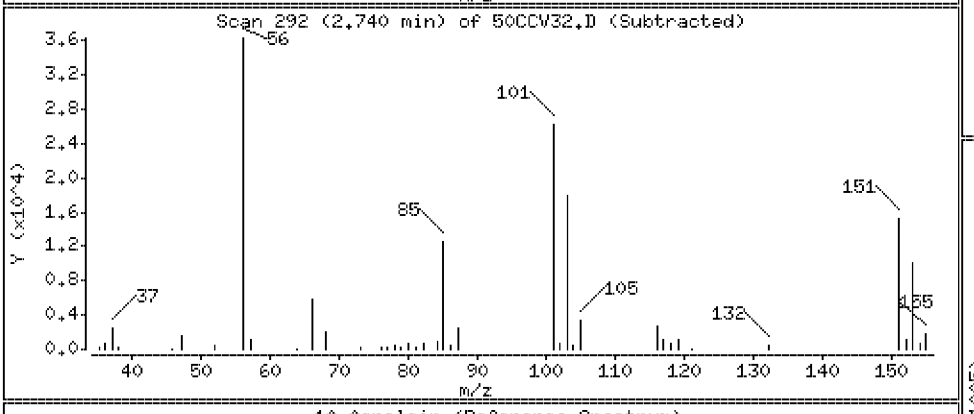
Column phase: DB-624

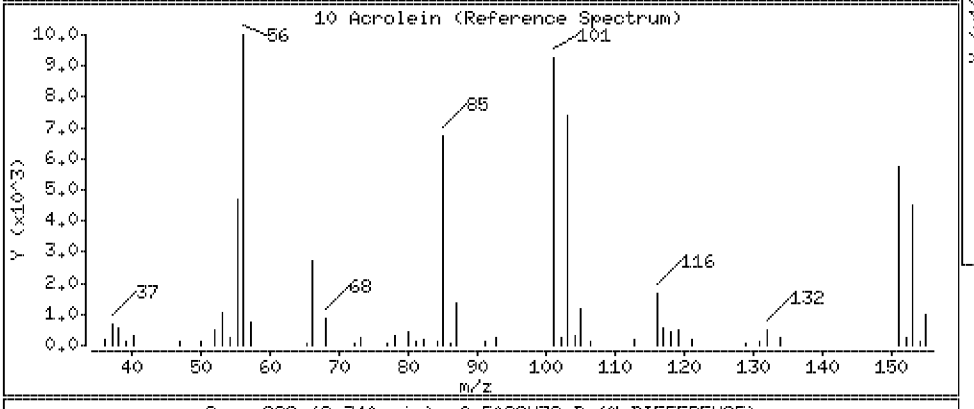
Column diameter: 0.18

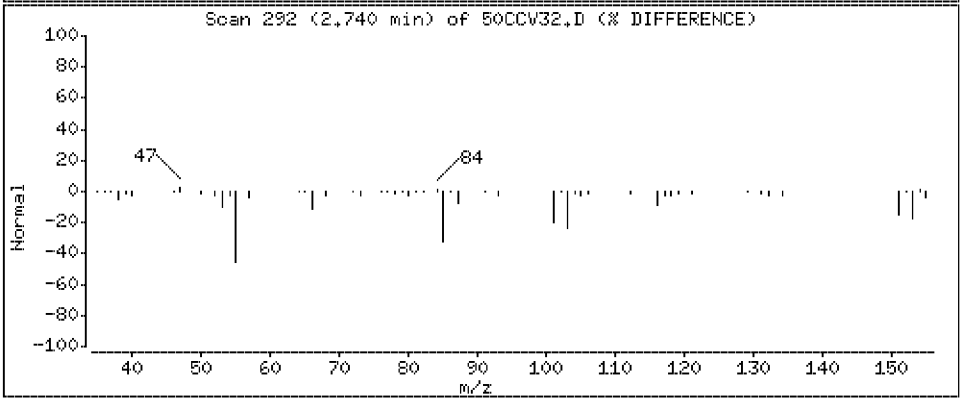
10 Acrolein

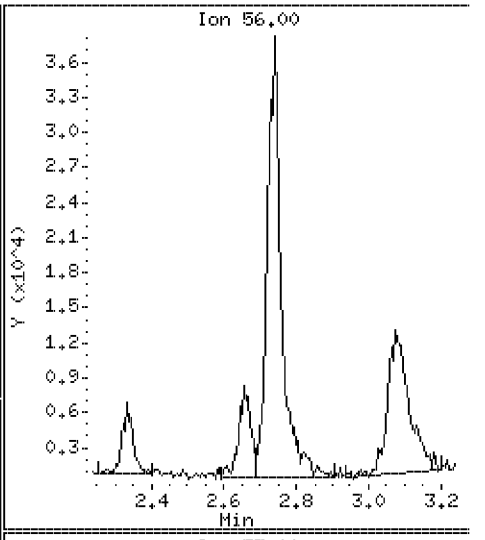
Concentration: 88.8 ug/l

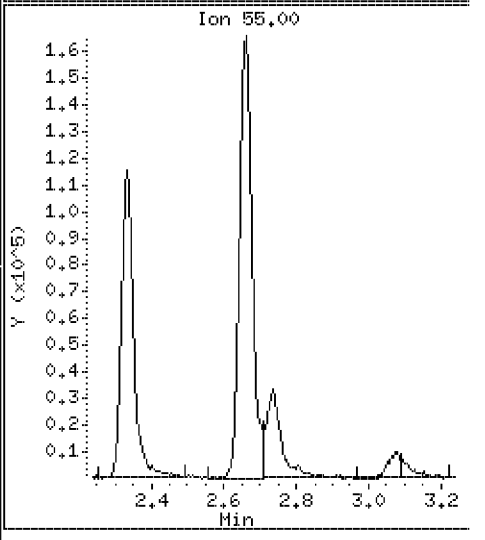












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

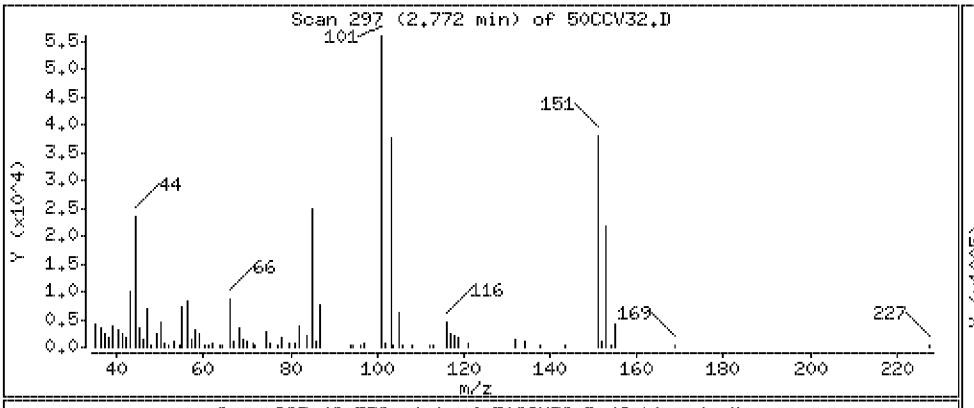
Client ID: 121709CCVA32 Instrument: vms03.i

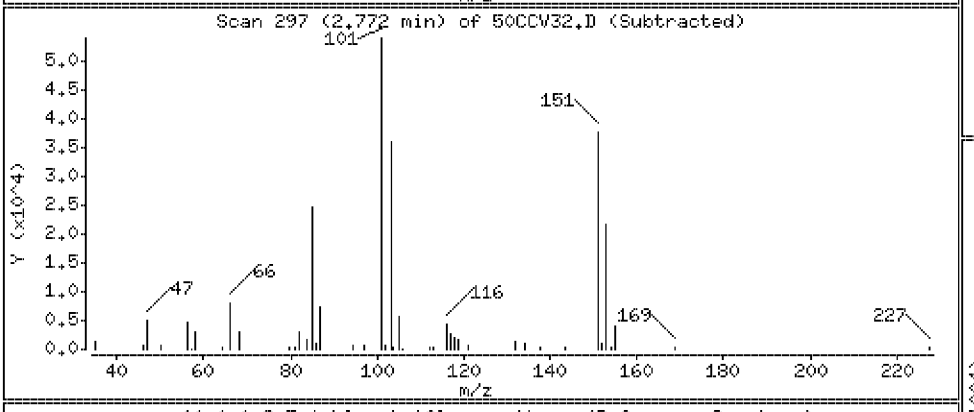
Sample Info: 121709CCVA32

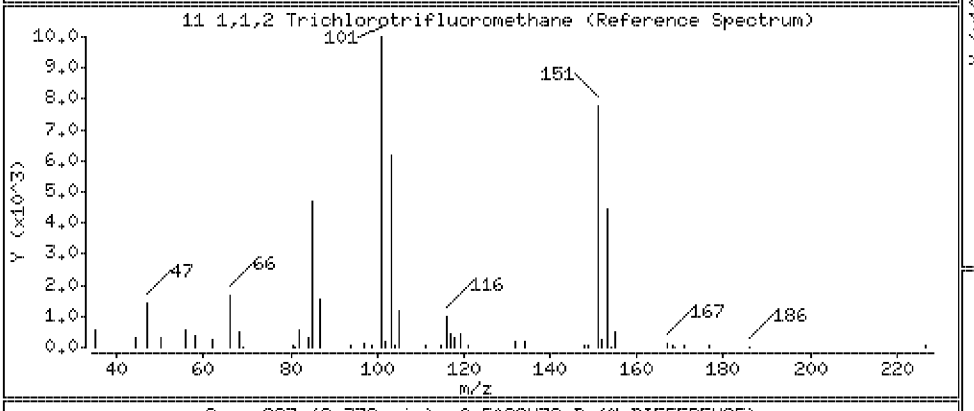
Purge Volume: 5.0 Operator:

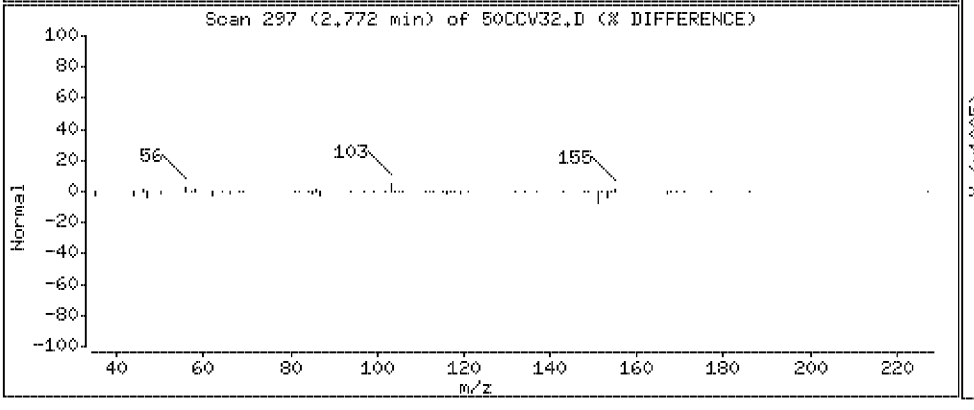
Column phase: DB-624 Column diameter: 0.18

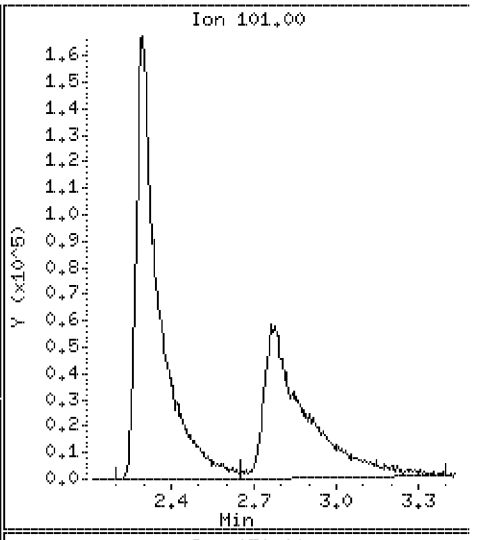
11 1,1,2 Trichlorotrifluoromethane Concentration: 51.7 ug/l

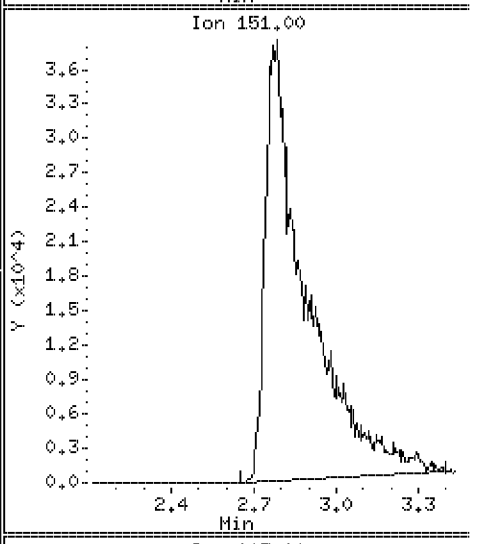


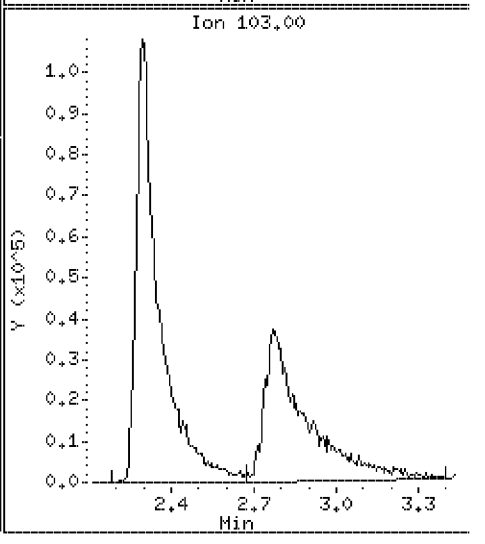












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

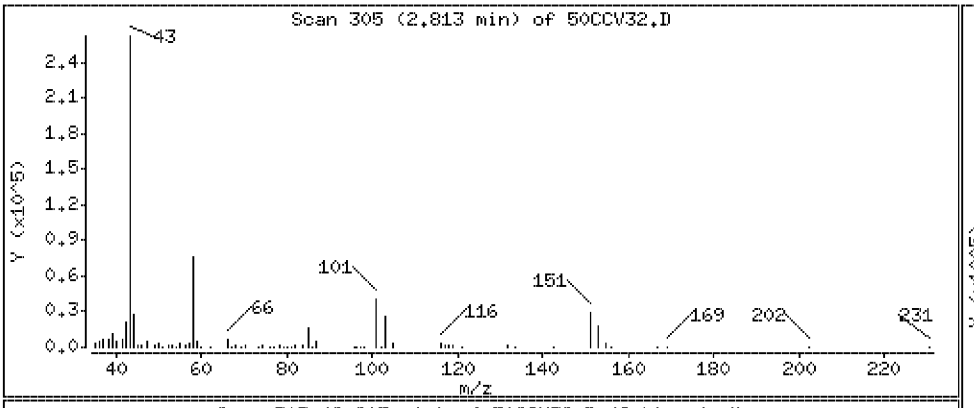
Client ID: 121709CCVA32 | Instrument: vms03.i

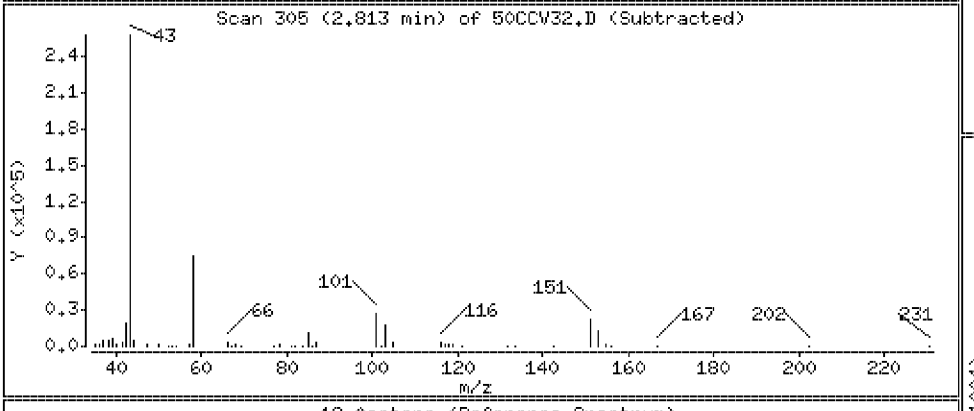
Sample Info: 121709CCVA32

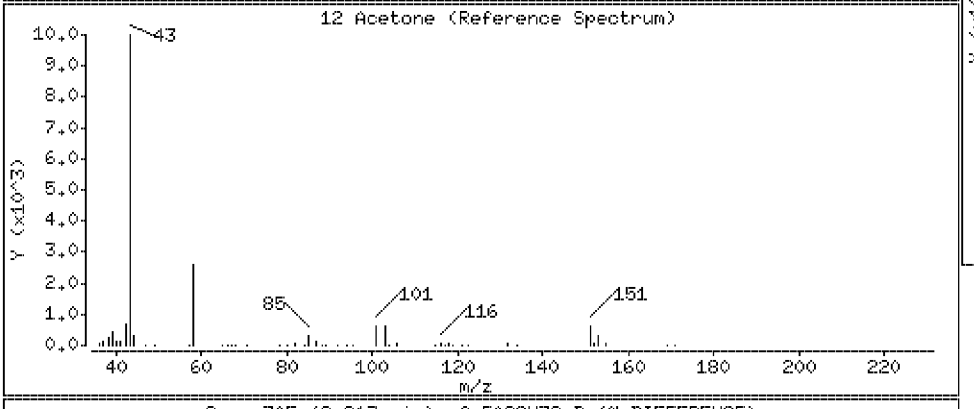
Purge Volume: 5.0 | Operator:

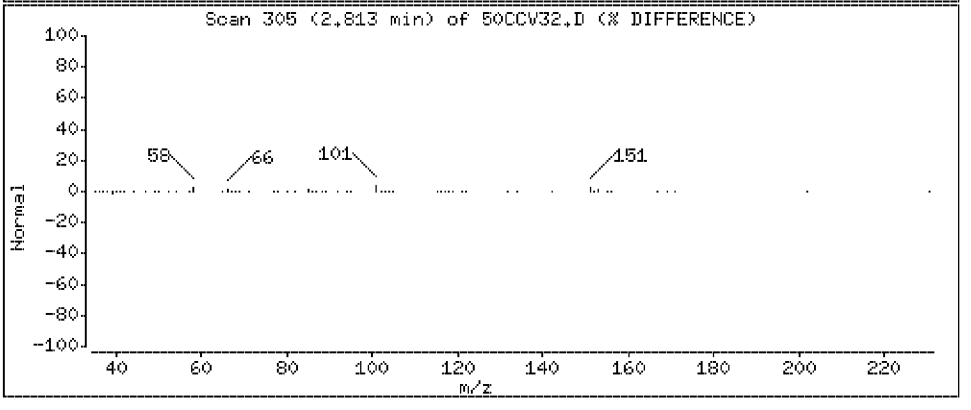
Column phase: DB-624 | Column diameter: 0.18

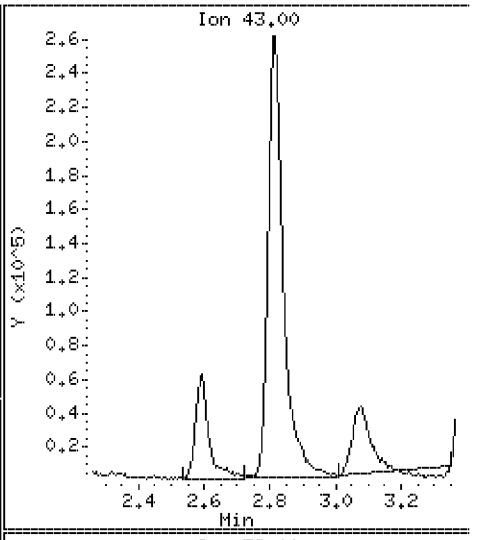
12 Acetone | Concentration: 108 ug/l

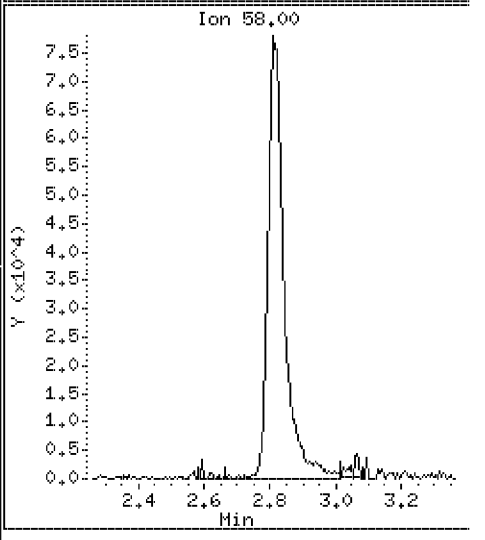












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

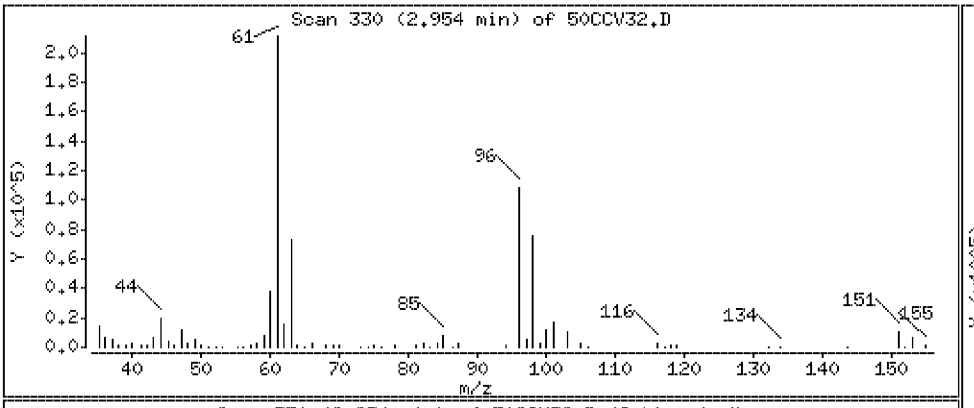
Client ID: 121709CCVA32 Instrument: vms03.i

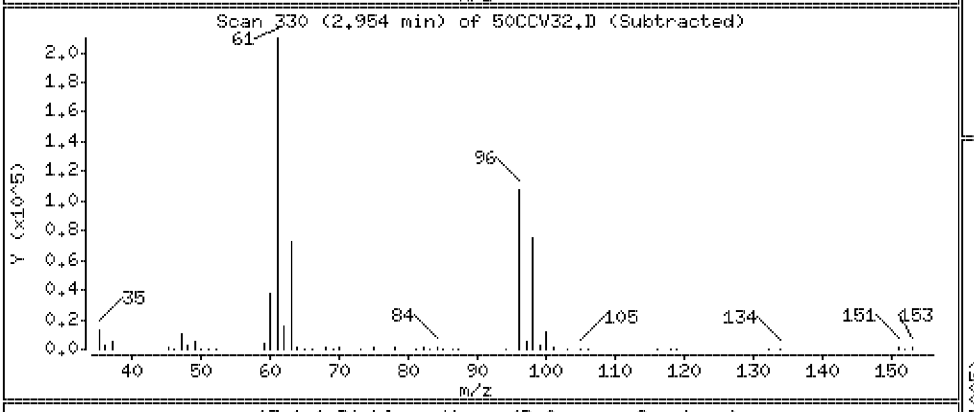
Sample Info: 121709CCVA32

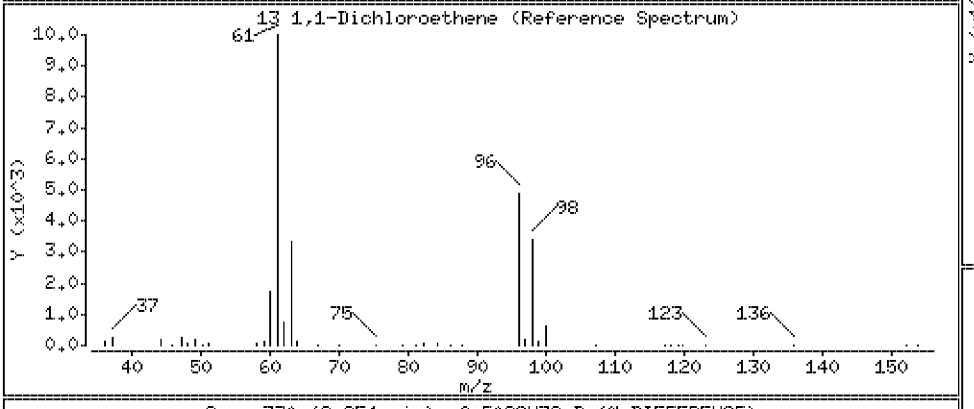
Purge Volume: 5.0 Operator:

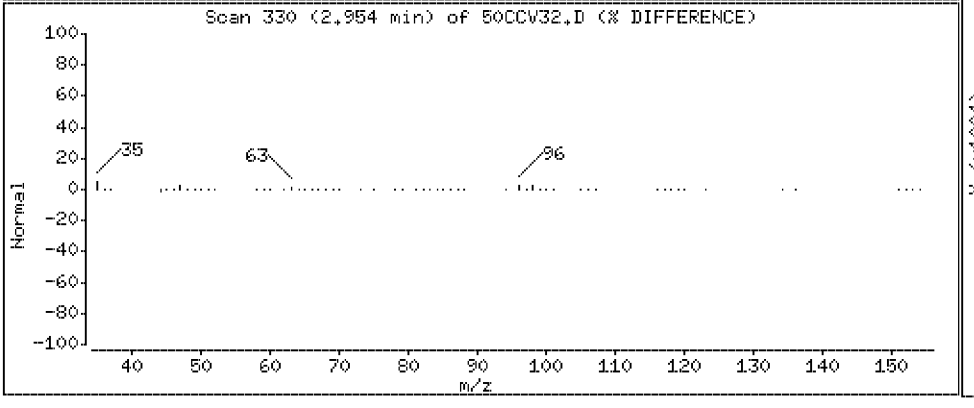
Column phase: DB-624 Column diameter: 0.18

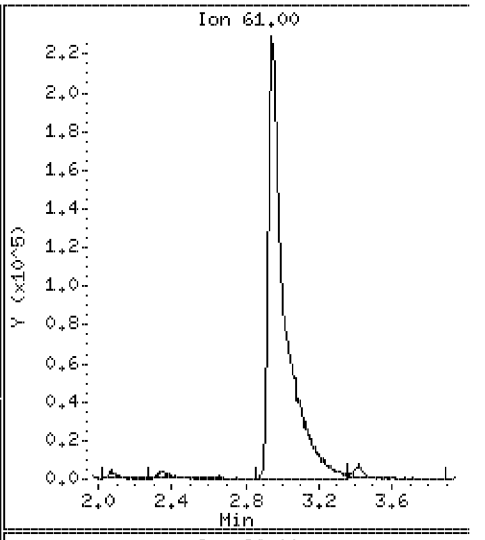
13 1,1-Dichloroethene Concentration: 51.7 ug/l

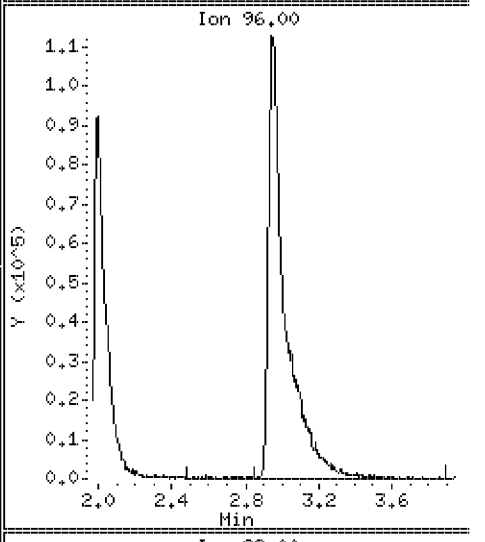


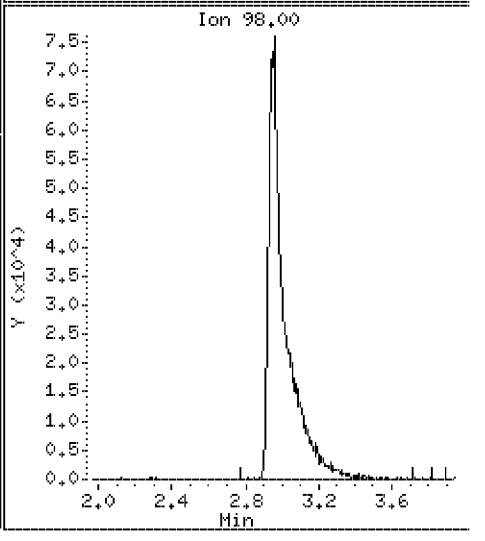












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

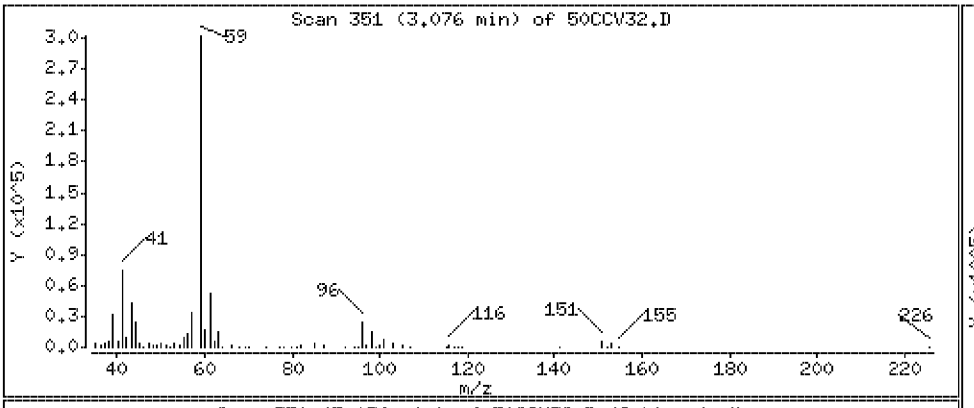
Client ID: 121709CCVA32 Instrument: vms03.i

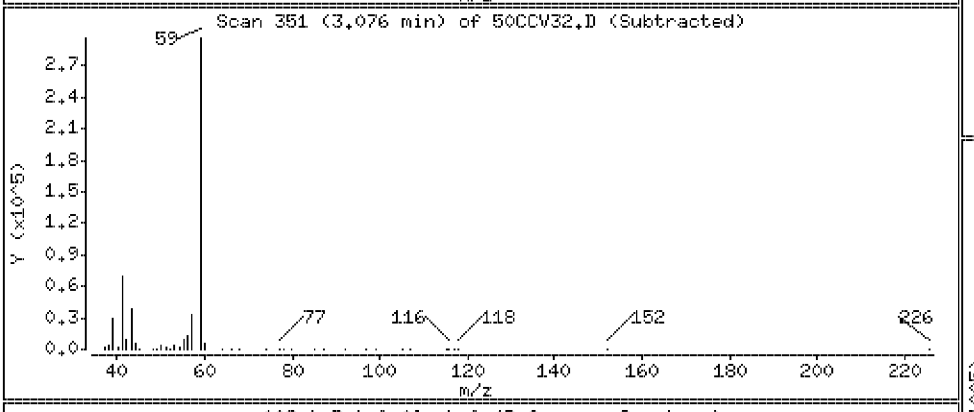
Sample Info: 121709CCVA32

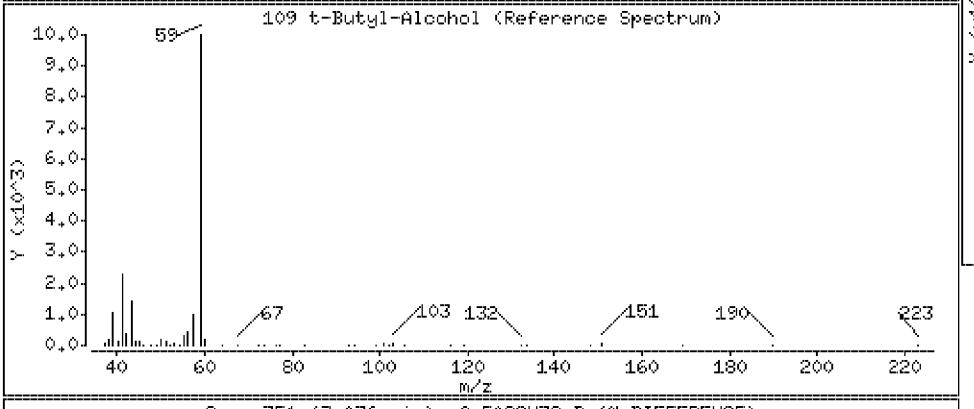
Purge Volume: 5.0 Operator:

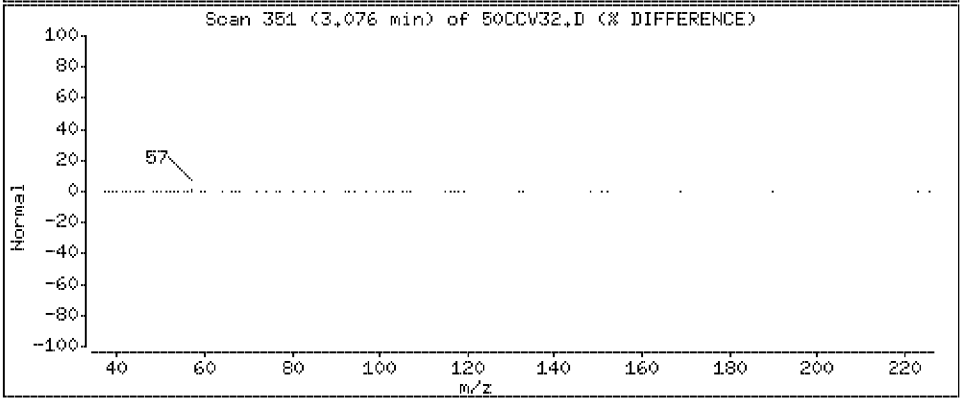
Column phase: DB-624 Column diameter: 0.18

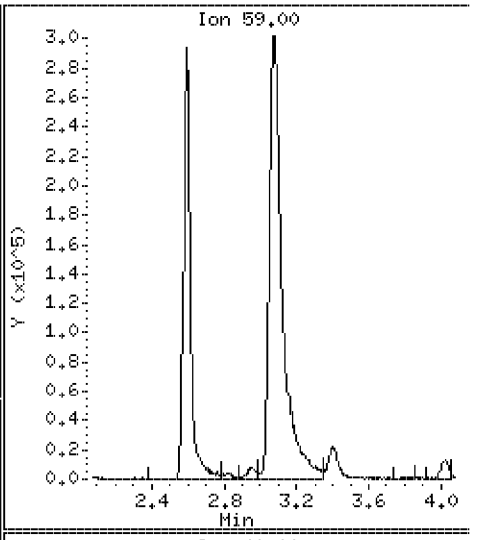
109 t-Butyl-Alcohol Concentration: 707 ug/l

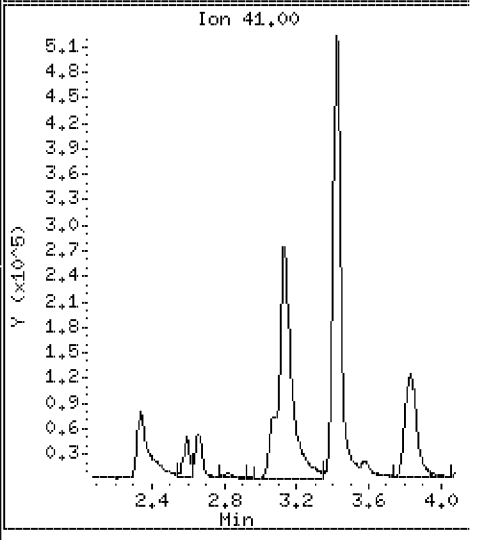












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

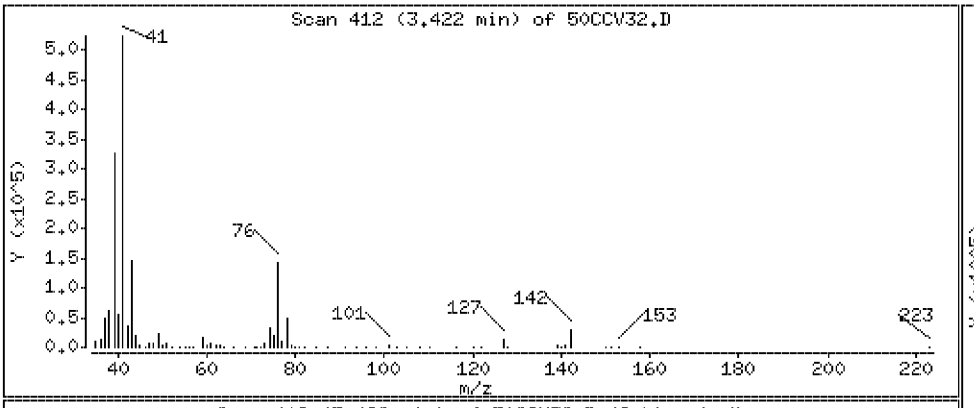
Operator:

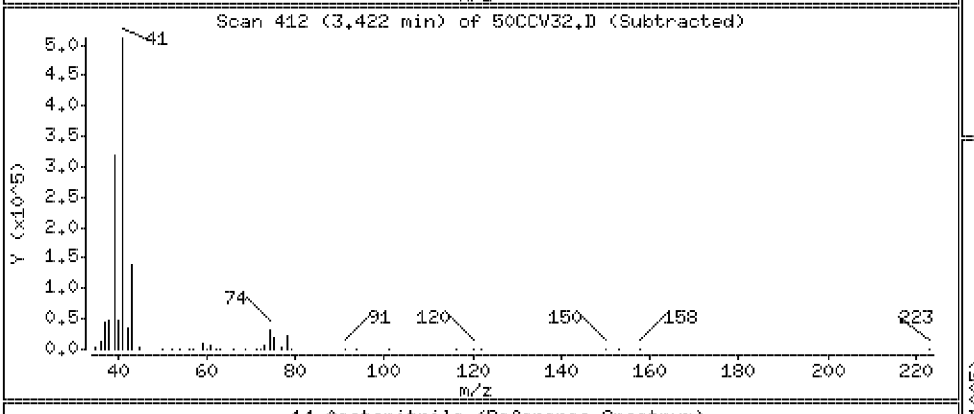
Column phase: DB-624

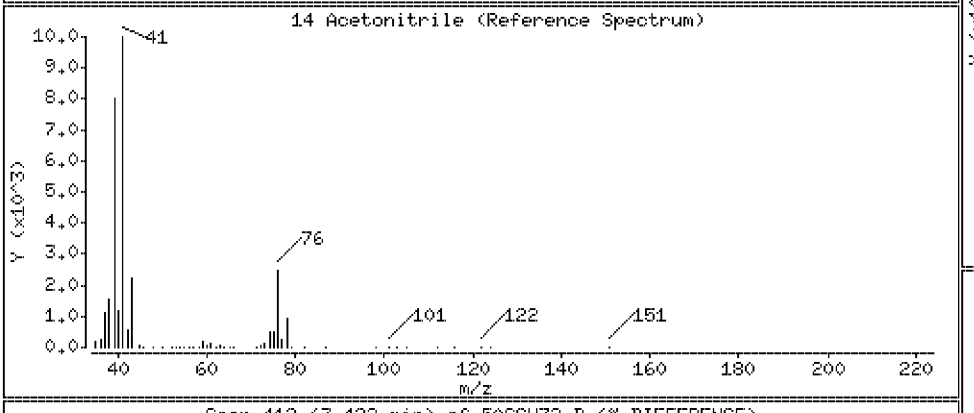
Column diameter: 0.18

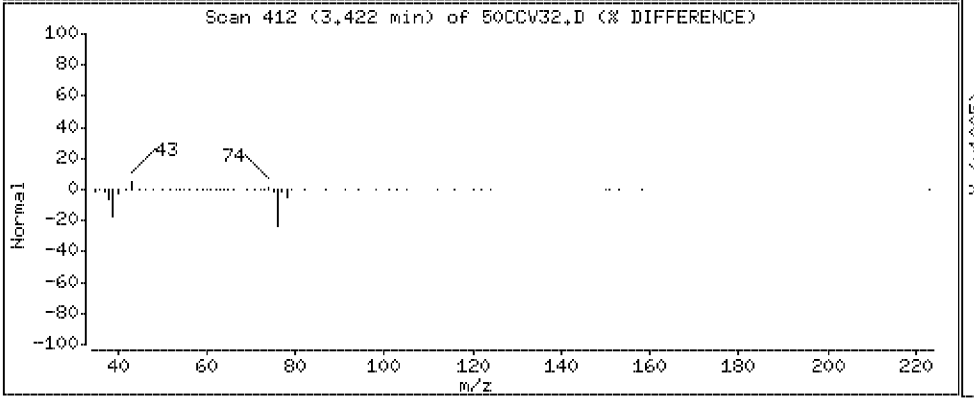
14 Acetonitrile

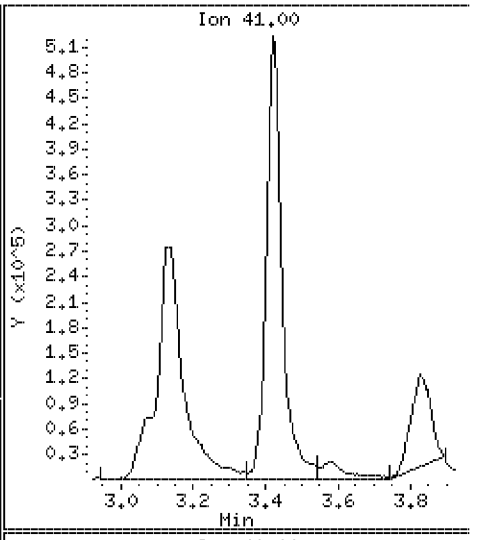
Concentration: 505 ug/l

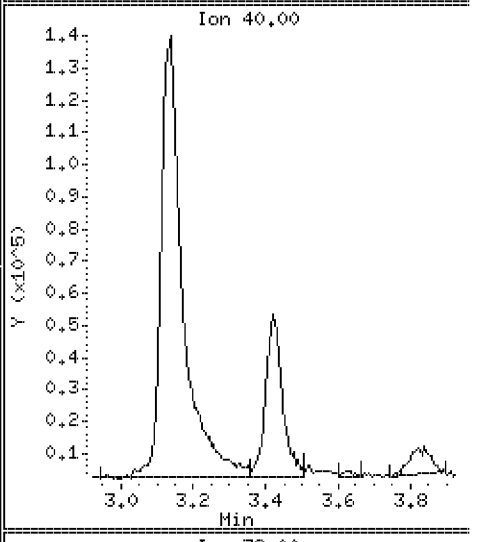


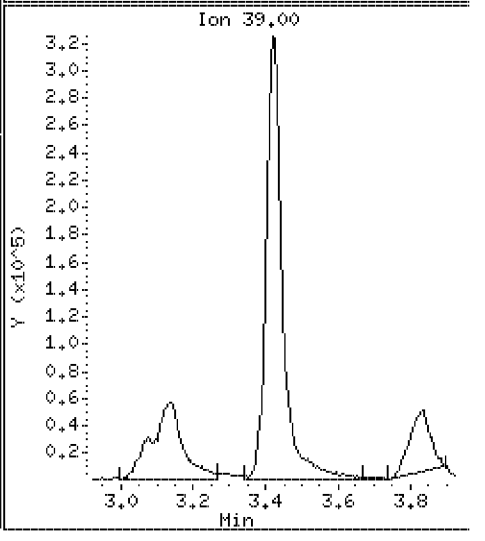












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

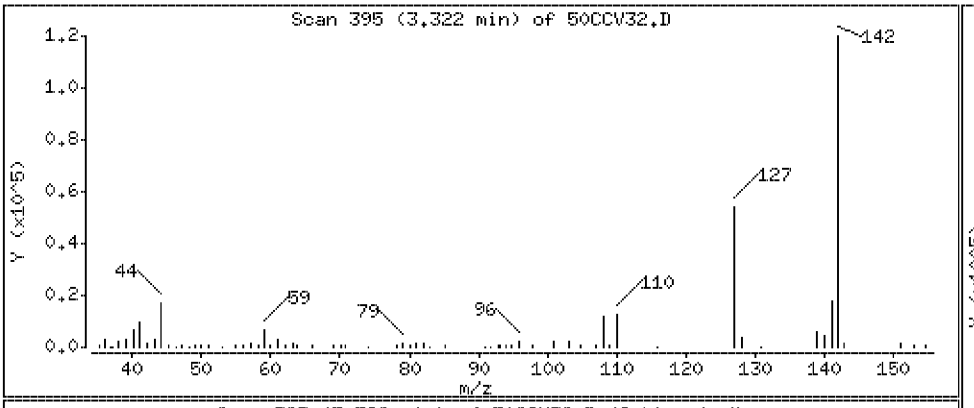
Client ID: 121709CCVA32 Instrument: vms03.i

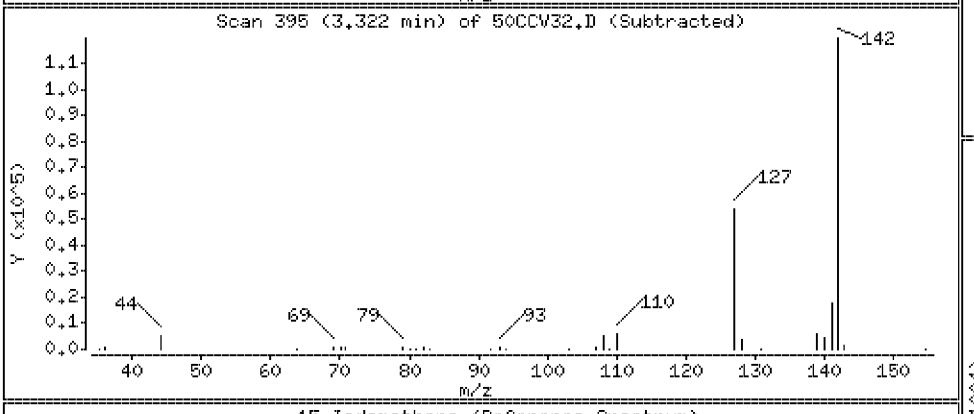
Sample Info: 121709CCVA32

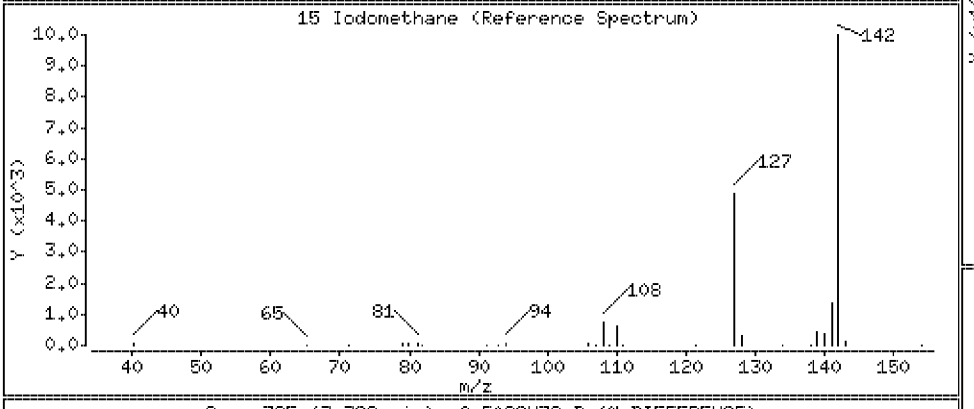
Purge Volume: 5.0 Operator:

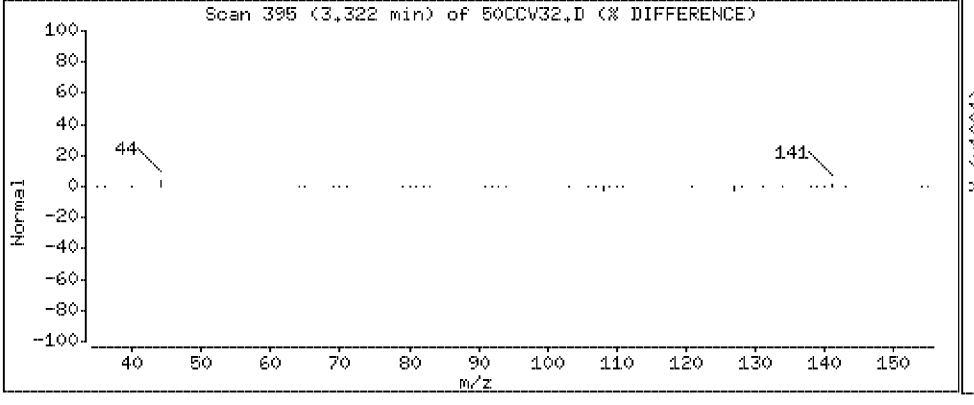
Column phase: DB-624 Column diameter: 0.18

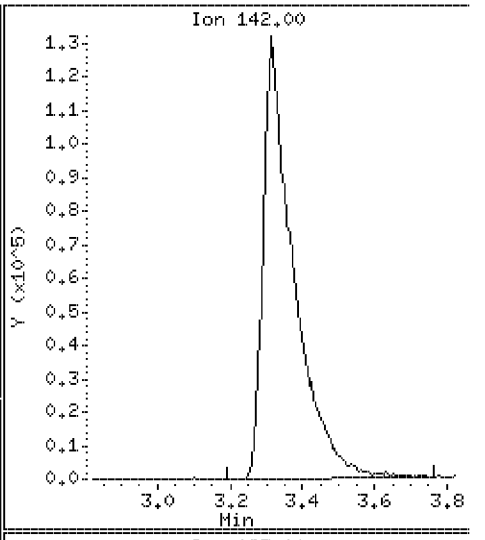
15 Iodomethane Concentration: 54.4 ug/l

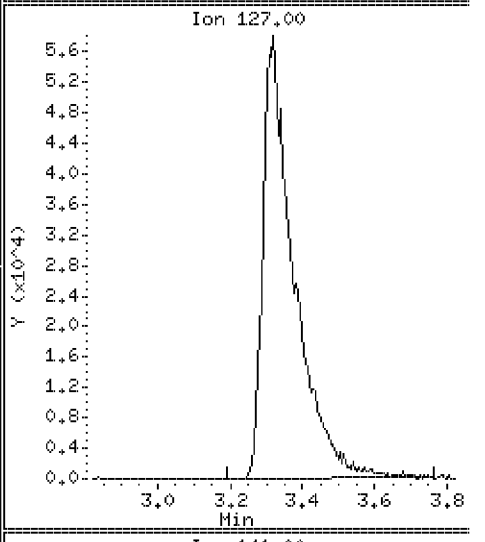


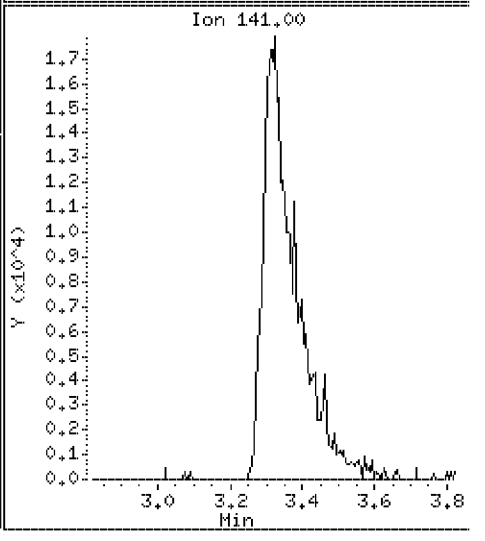












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

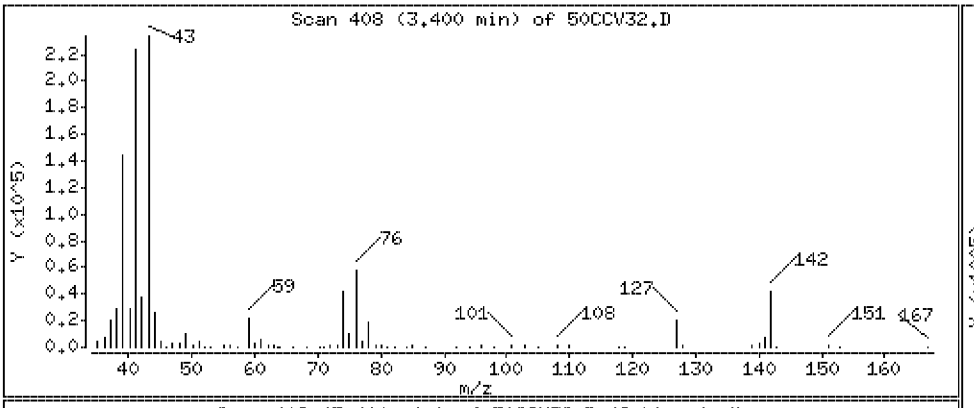
Client ID: 121709CCVA32 Instrument: vms03.i

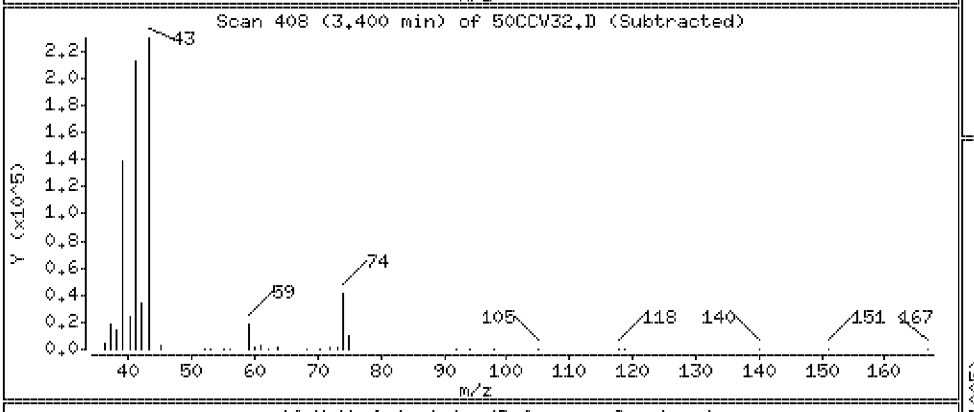
Sample Info: 121709CCVA32

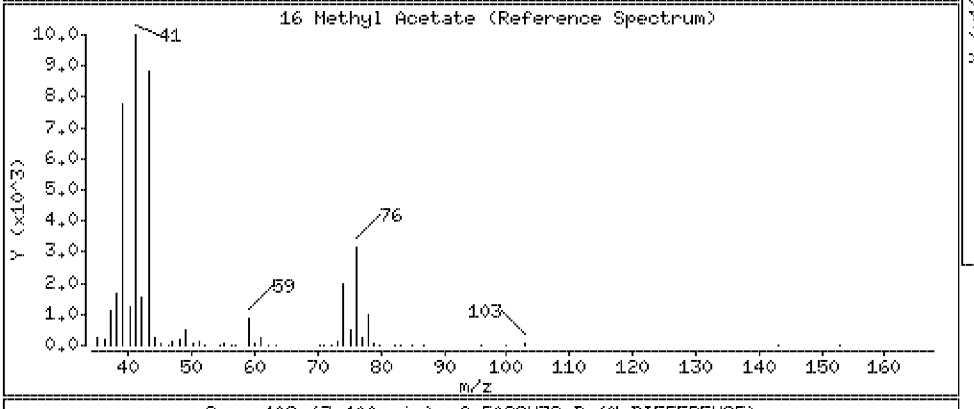
Purge Volume: 5.0 Operator:

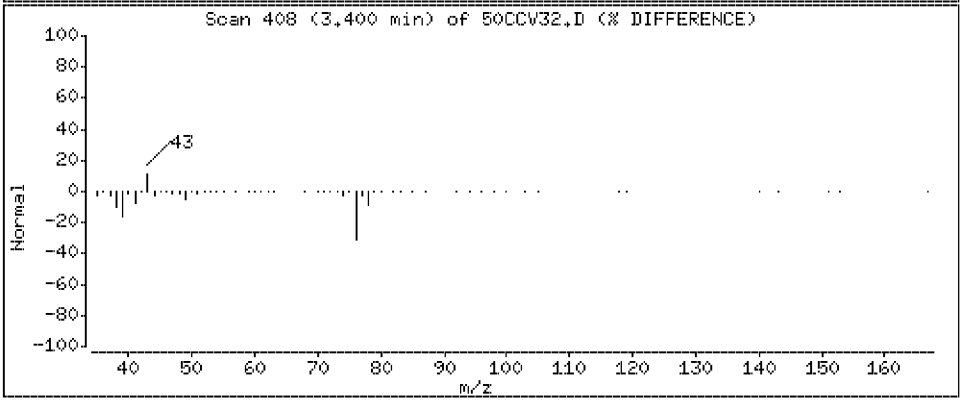
Column phase: DB-624 Column diameter: 0.18

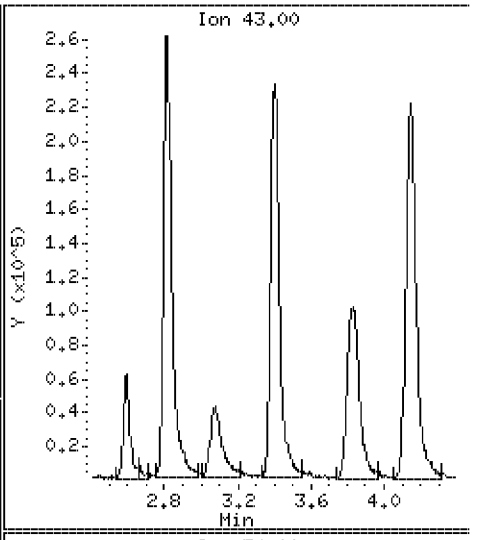
16 Methyl Acetate Concentration: 49.9 ug/l

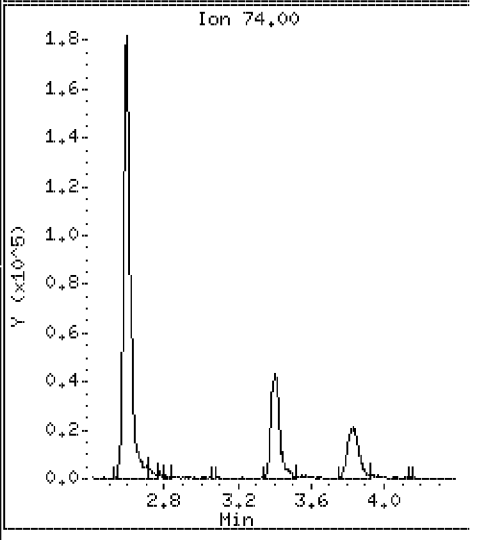












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Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

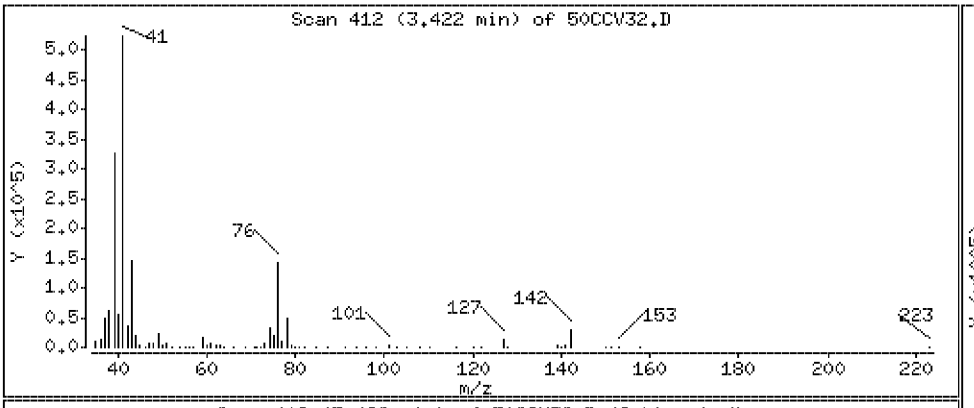
Operator:

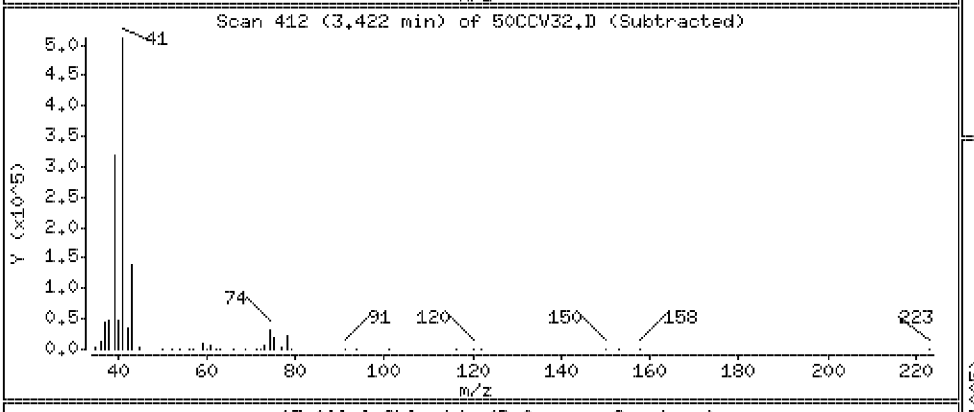
Column phase: DB-624

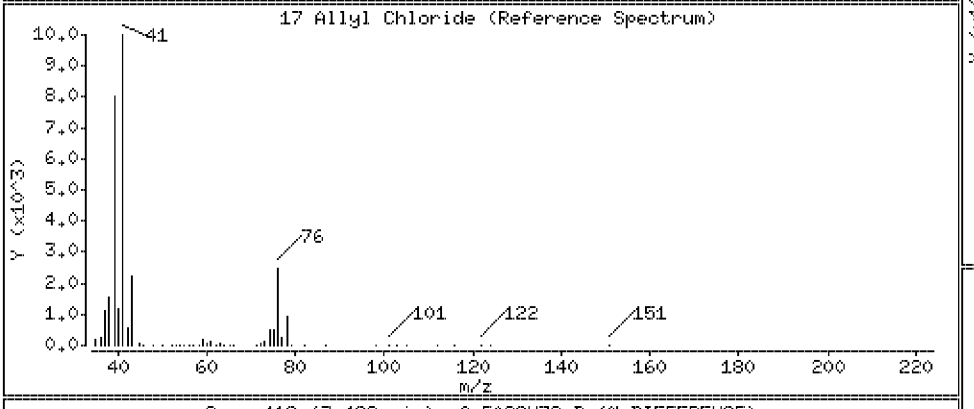
Column diameter: 0.18

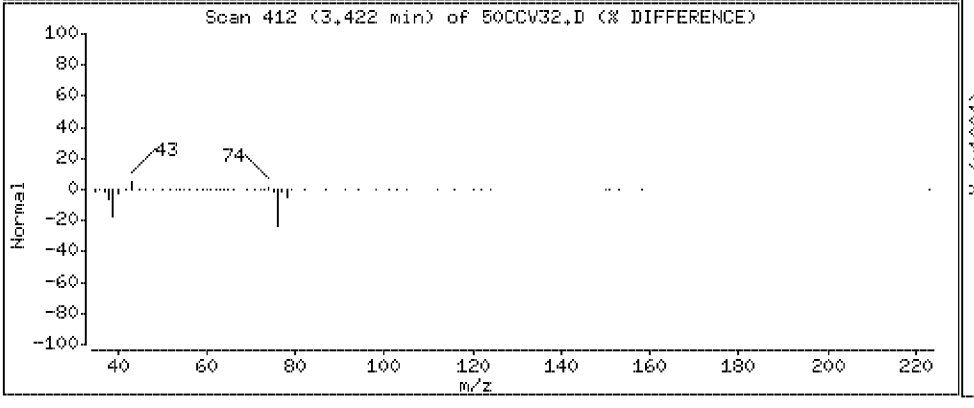
17 Allyl Chloride

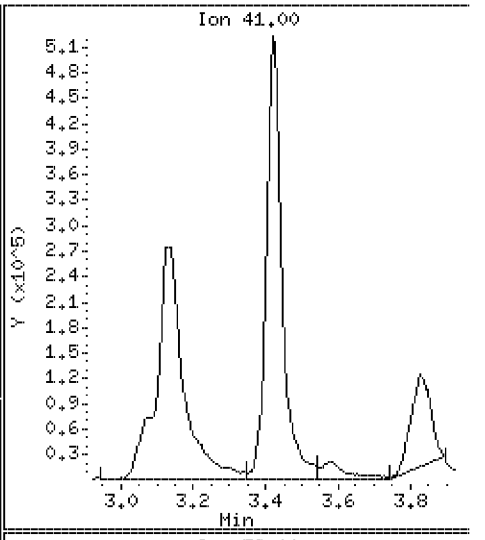
Concentration: 50.5 ug/l

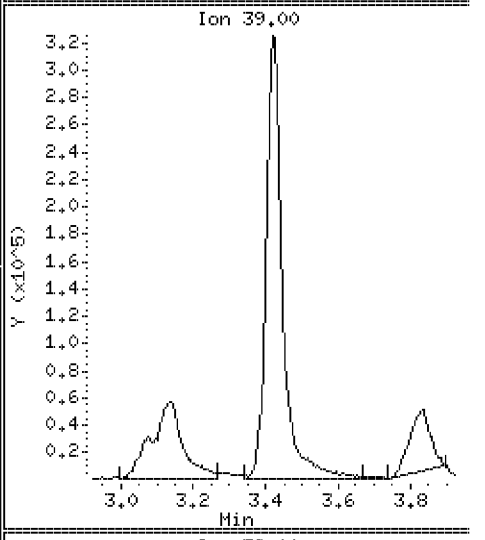


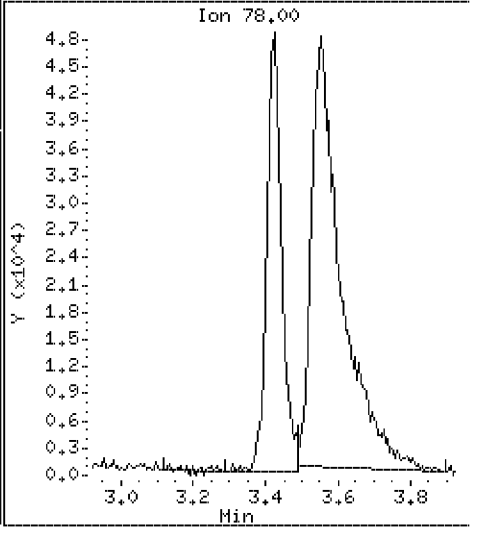












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

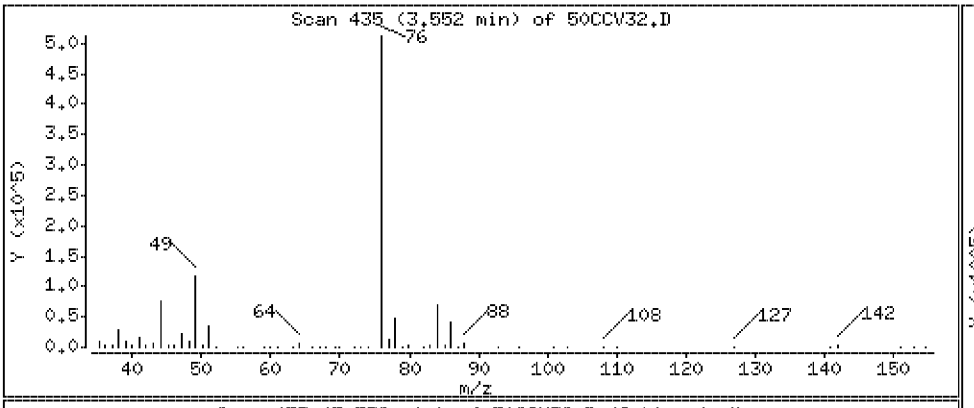
Client ID: 121709CCVA32 Instrument: vms03.i

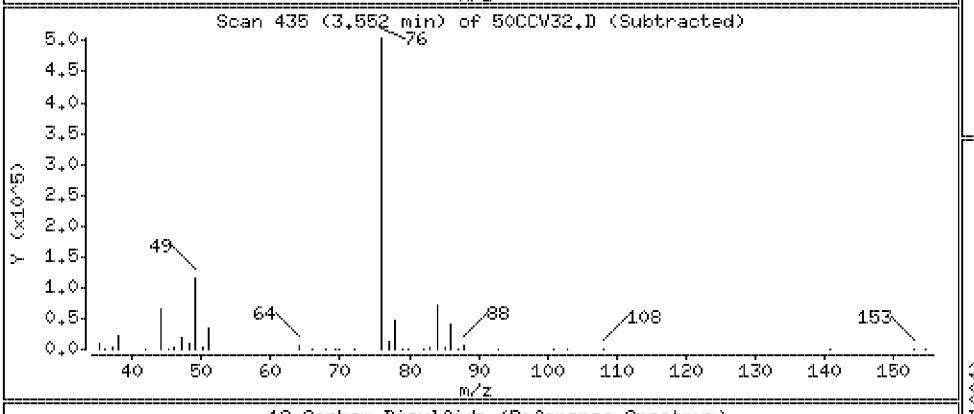
Sample Info: 121709CCVA32

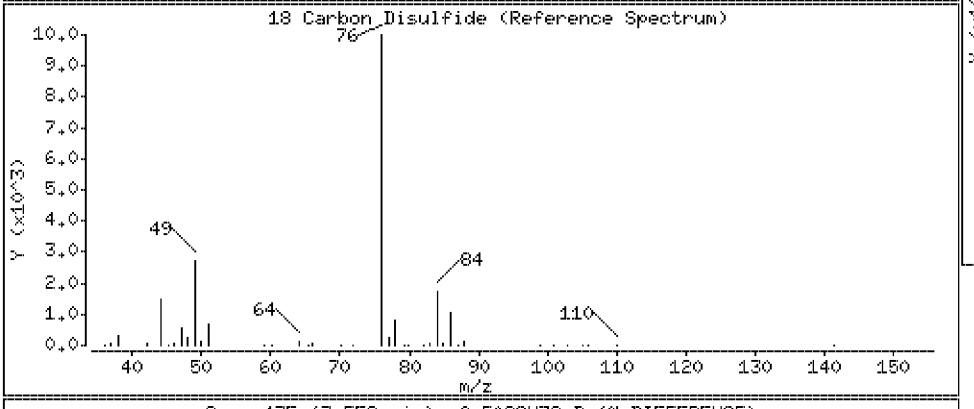
Purge Volume: 5.0 Operator:

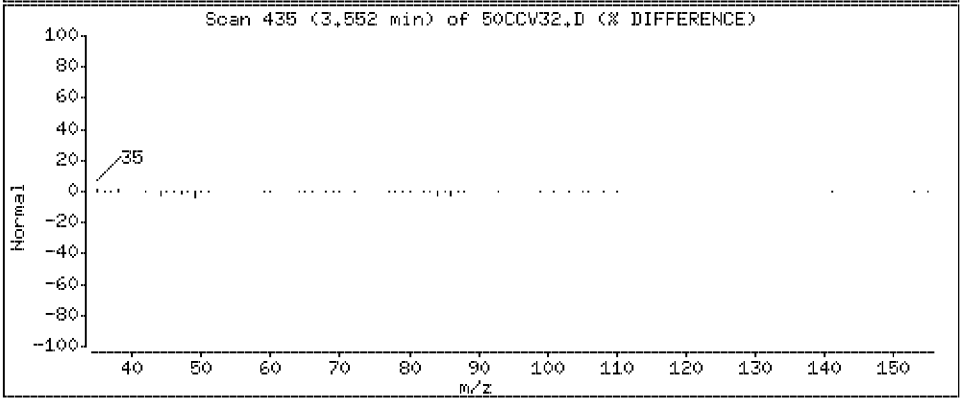
Column phase: DB-624 Column diameter: 0.18

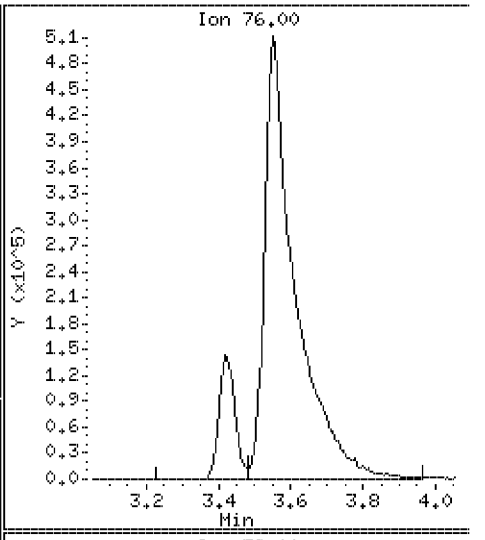
18 Carbon Disulfide Concentration: 55.7 ug/l

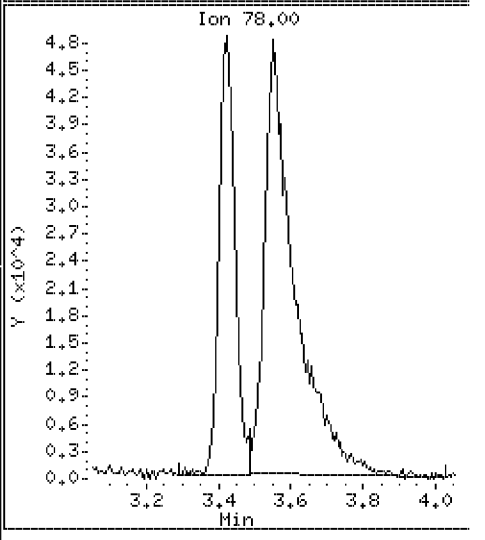












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Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

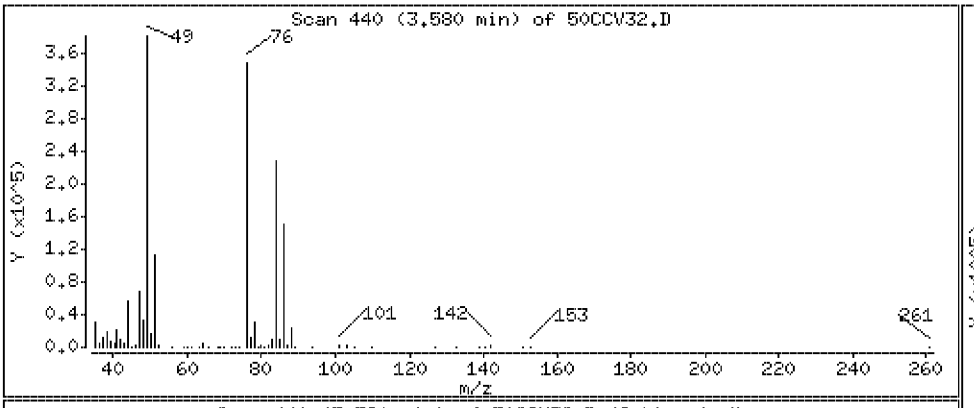
Operator:

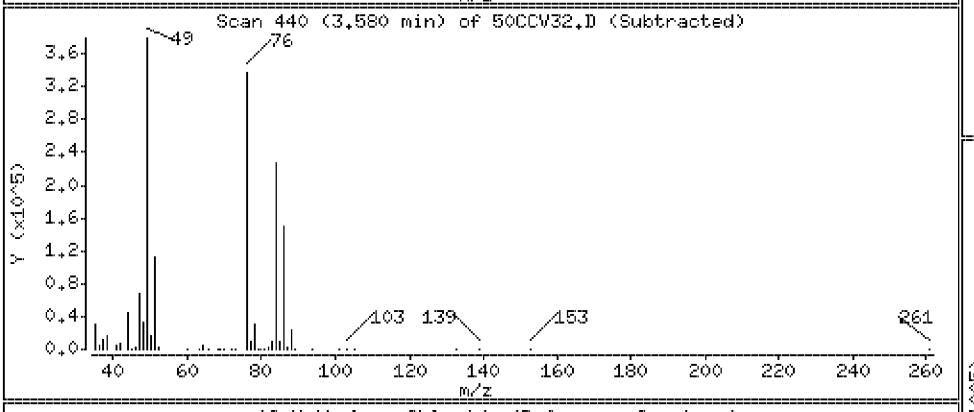
Column phase: DB-624

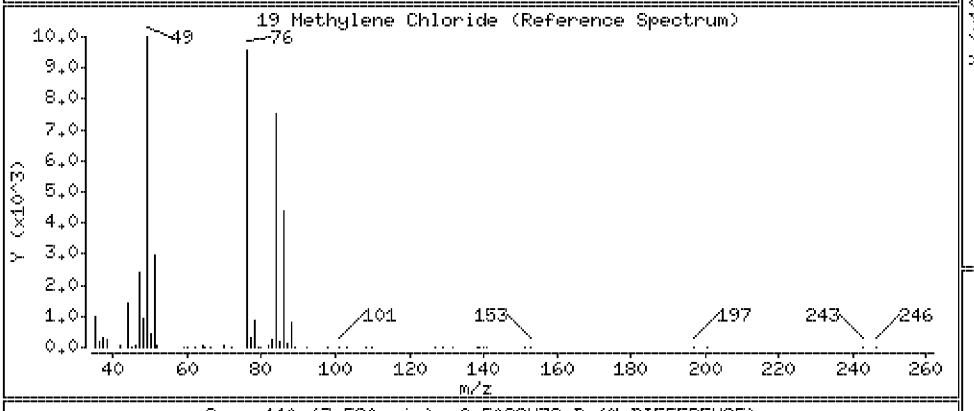
Column diameter: 0.18

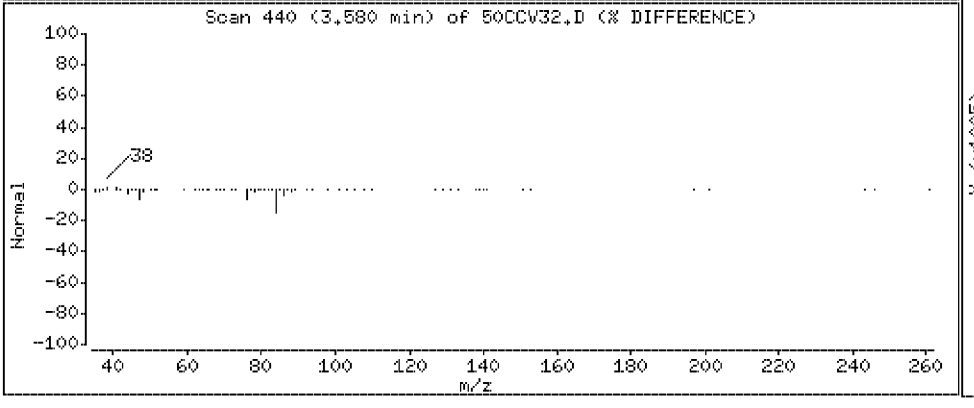
19 Methylene Chloride

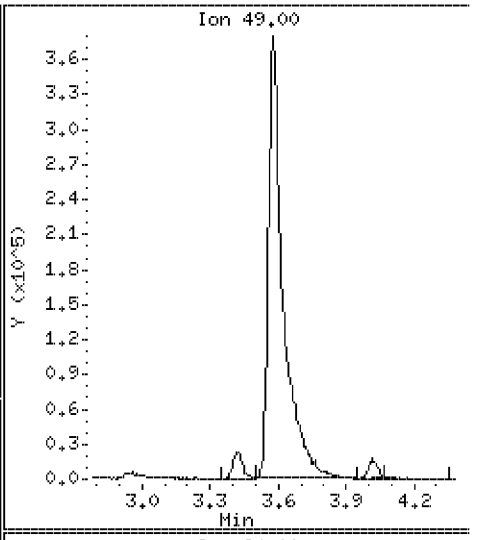
Concentration: 49.0 ug/l

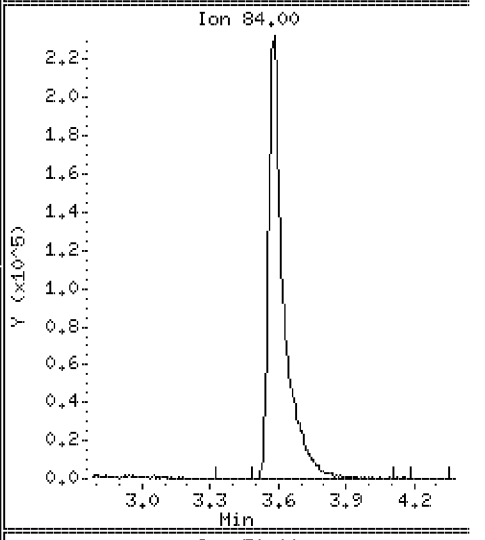


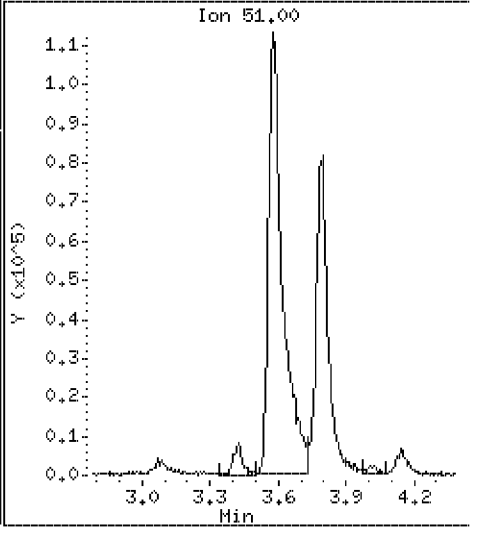












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

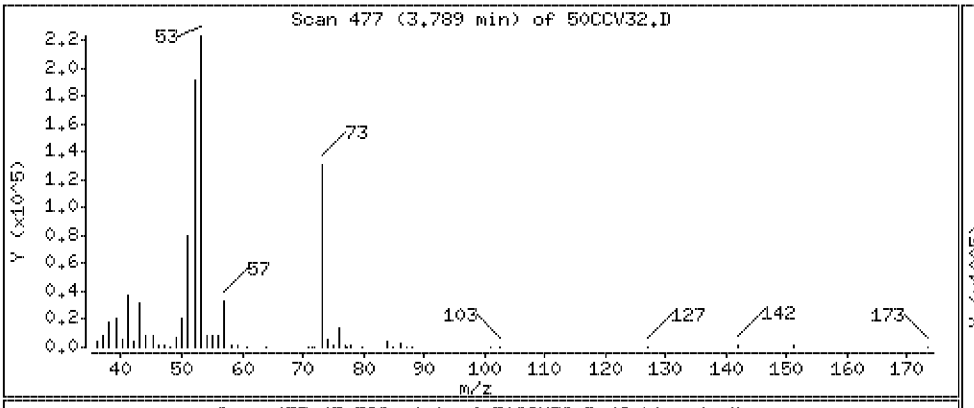
Operator:

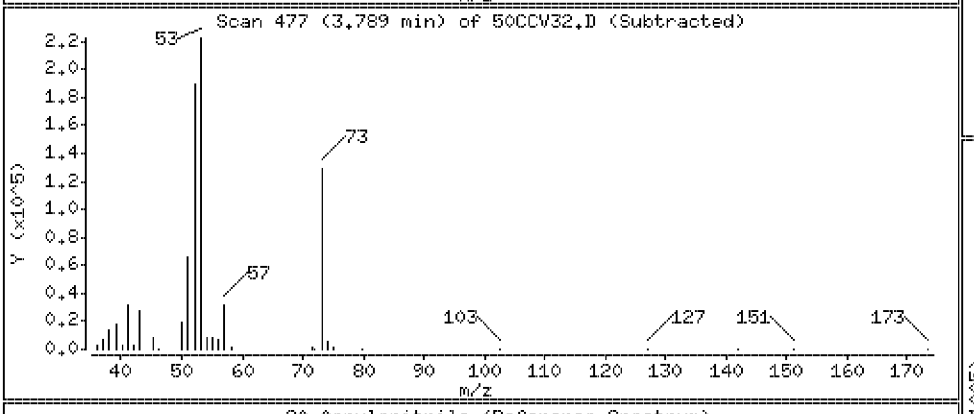
Column phase: DB-624

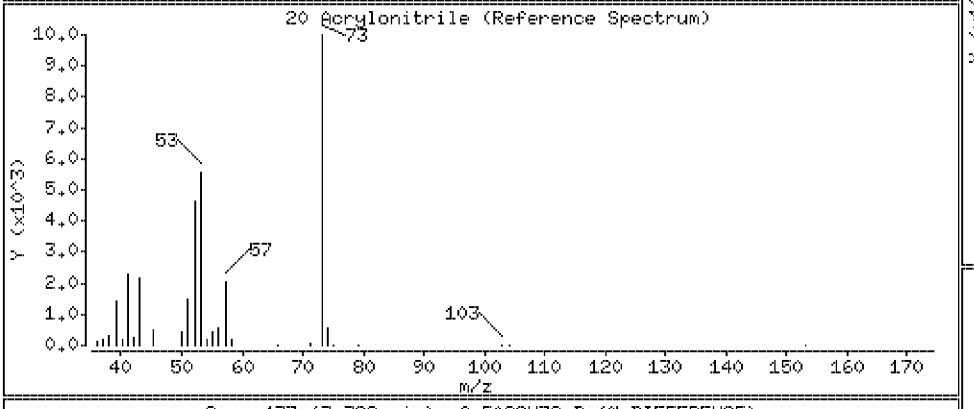
Column diameter: 0.18

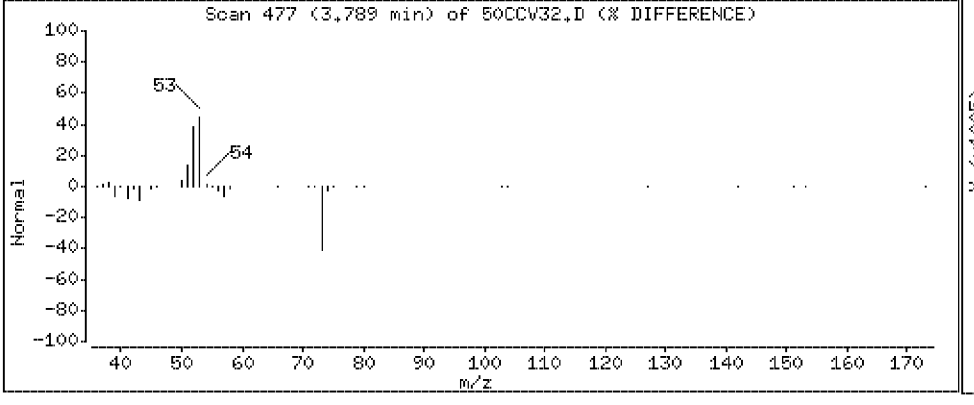
20 Acrylonitrile

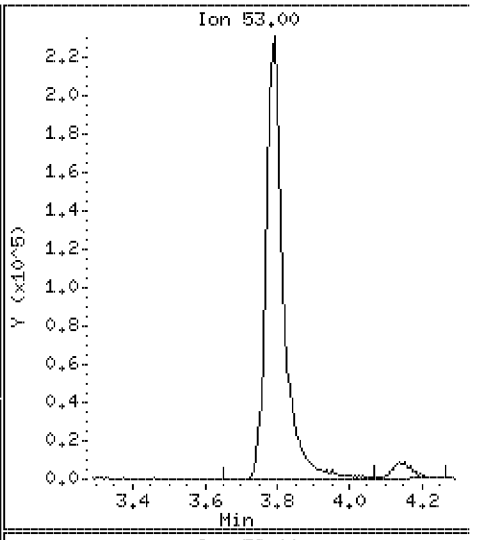
Concentration: 113 ug/l

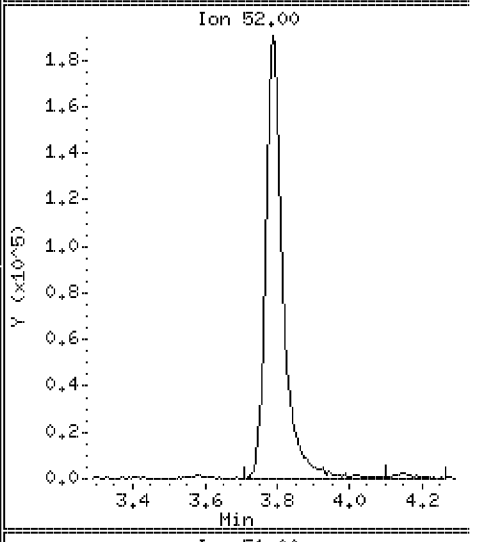


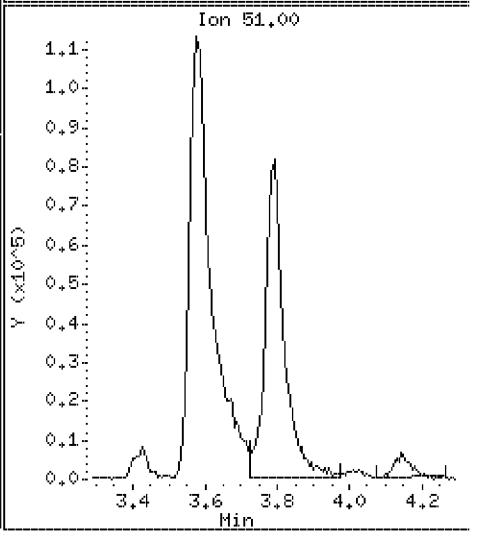












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

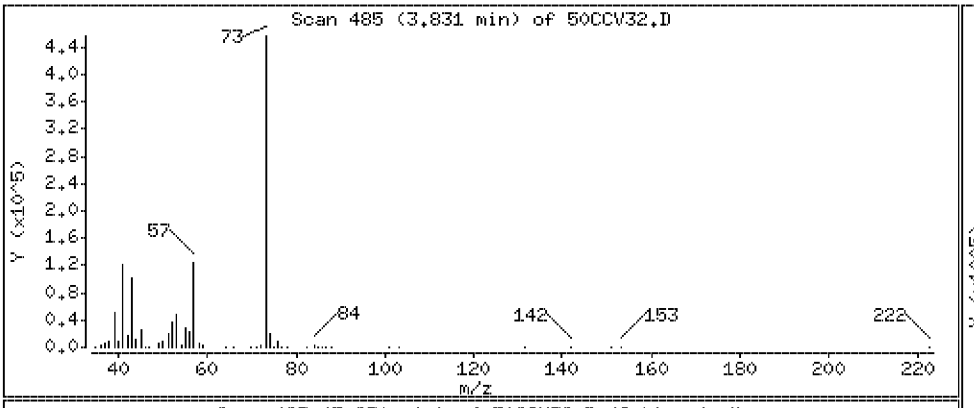
Client ID: 121709CCVA32 | Instrument: vms03.i

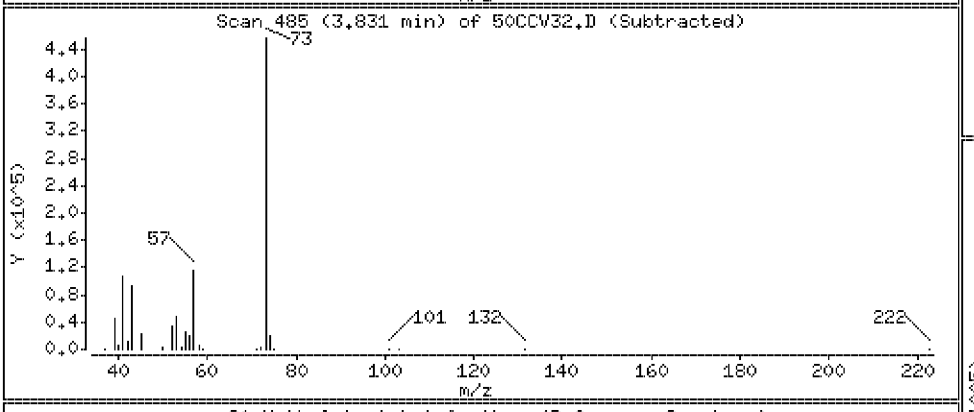
Sample Info: 121709CCVA32

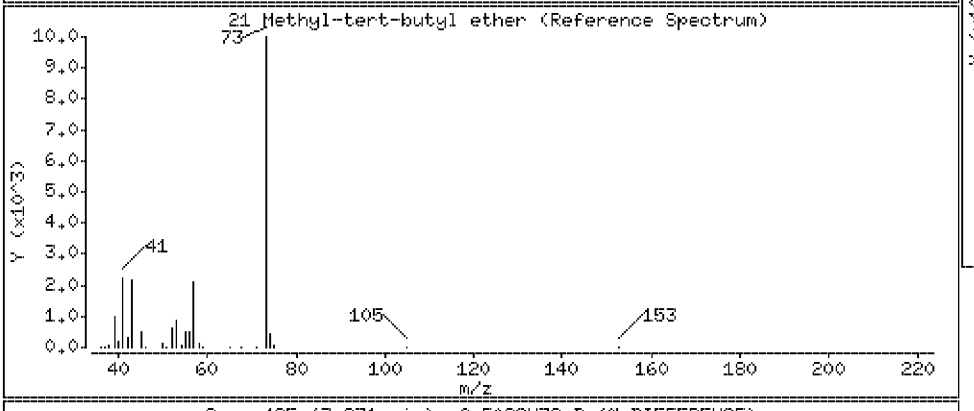
Purge Volume: 5.0 | Operator:

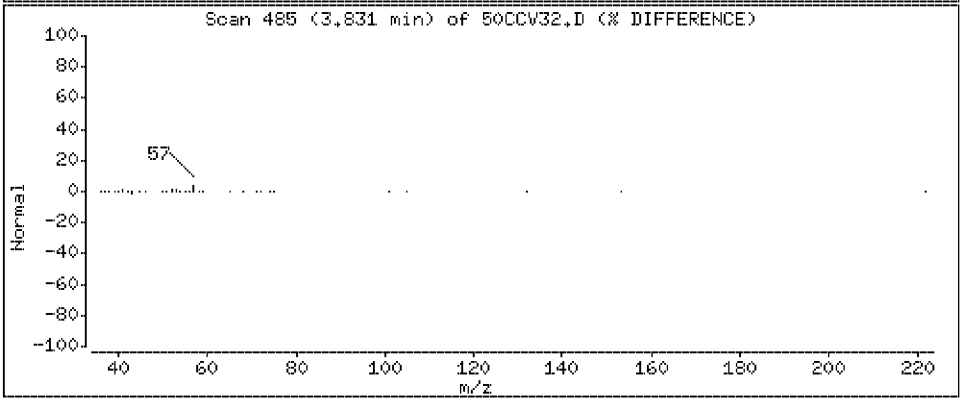
Column phase: DB-624 | Column diameter: 0.18

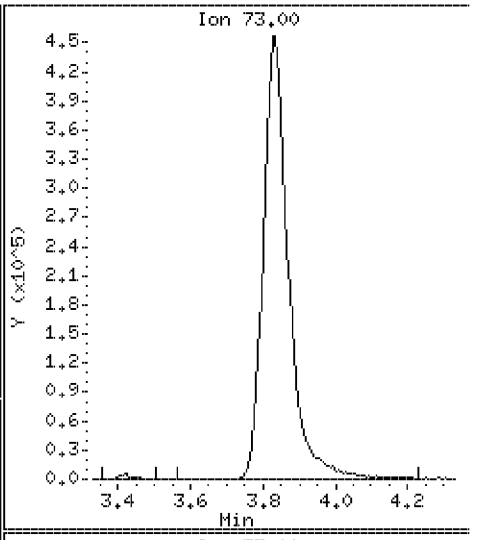
21 Methyl-tert-butyl ether | Concentration: 49.5 ug/l

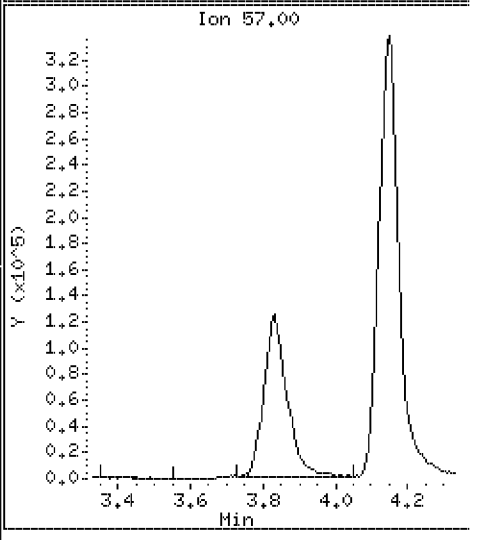












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

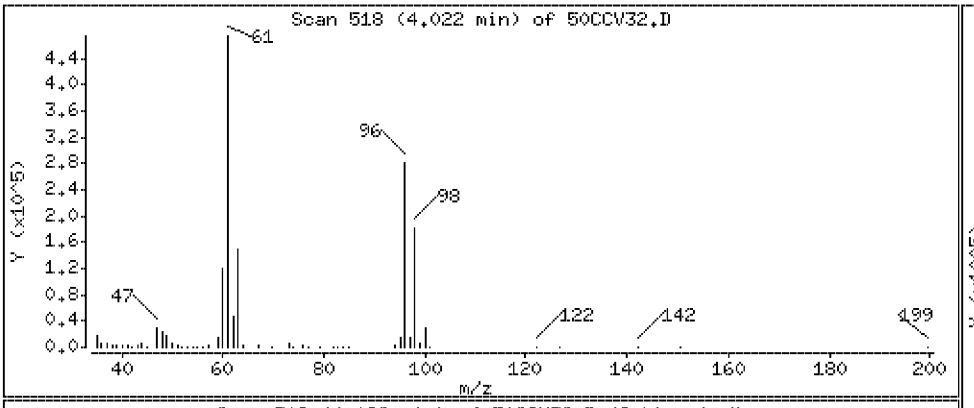
Client ID: 121709CCVA32 Instrument: vms03.i

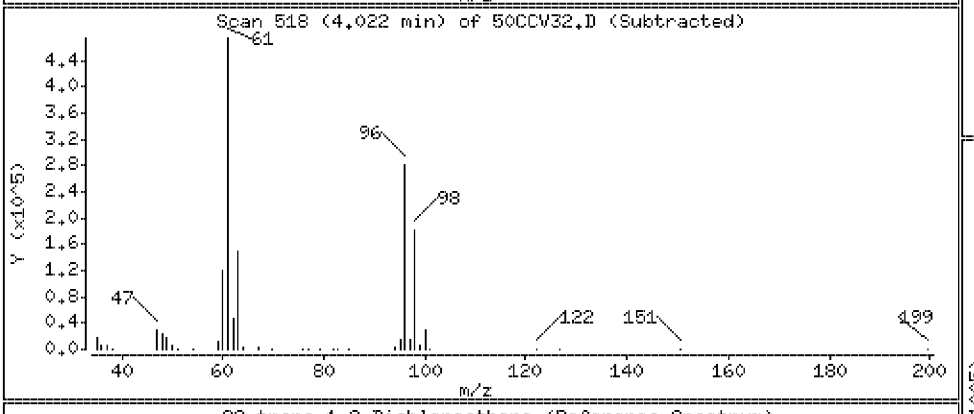
Sample Info: 121709CCVA32

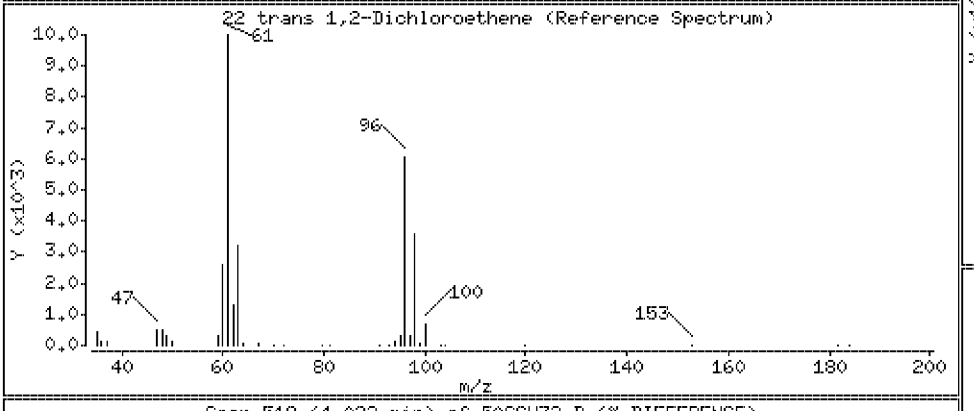
Purge Volume: 5.0 Operator:

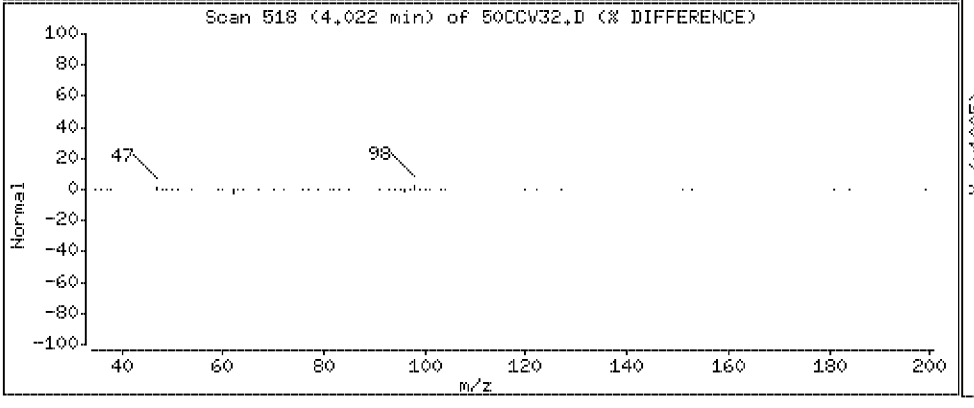
Column phase: DB-624 Column diameter: 0.18

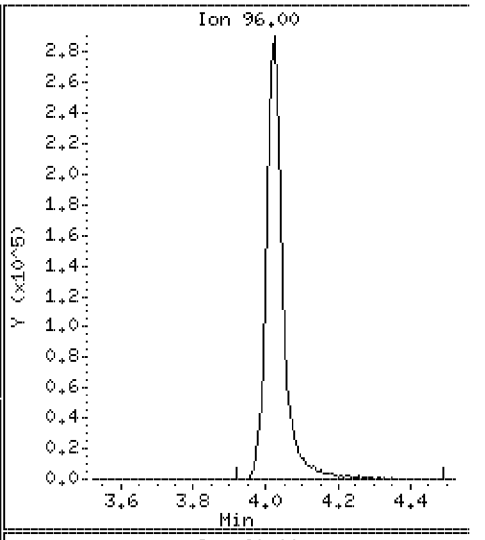
22 trans 1,2-Dichloroethene Concentration: 52.6 ug/l

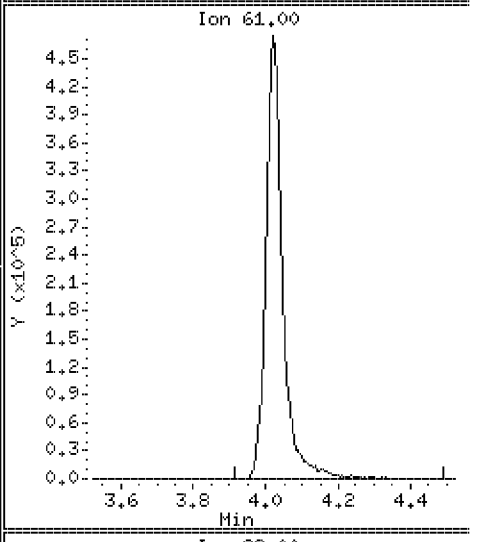


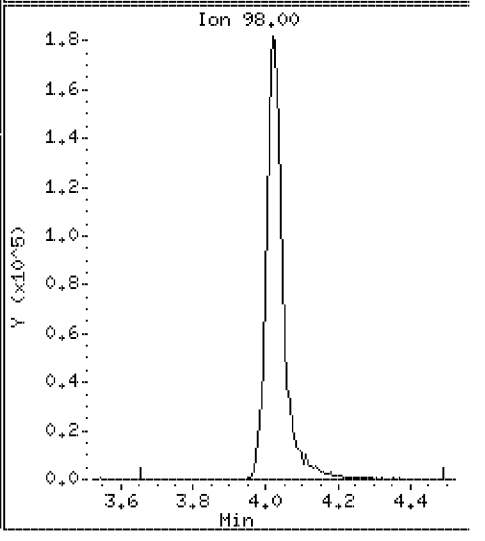












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

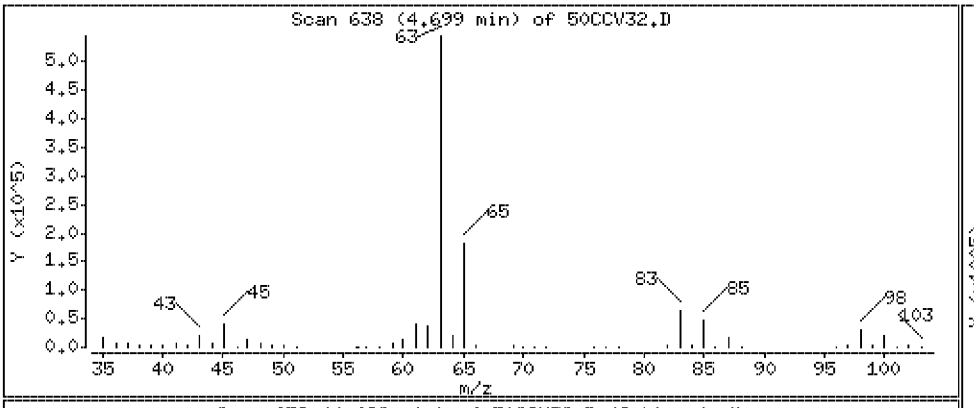
Operator:

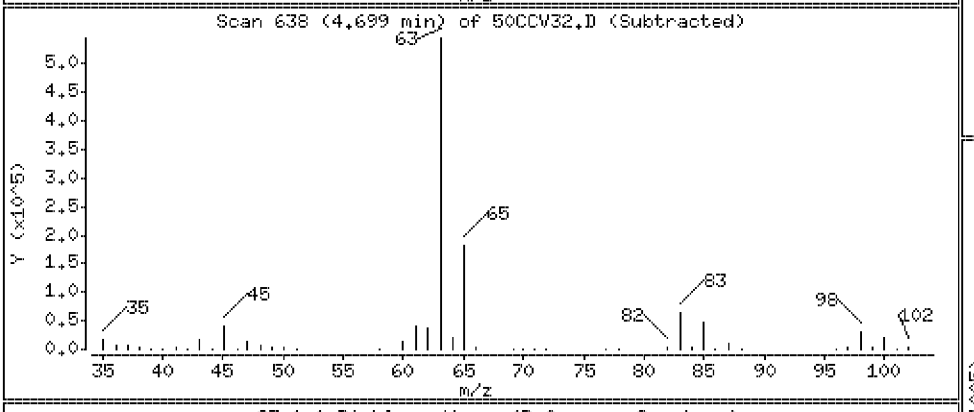
Column phase: DB-624

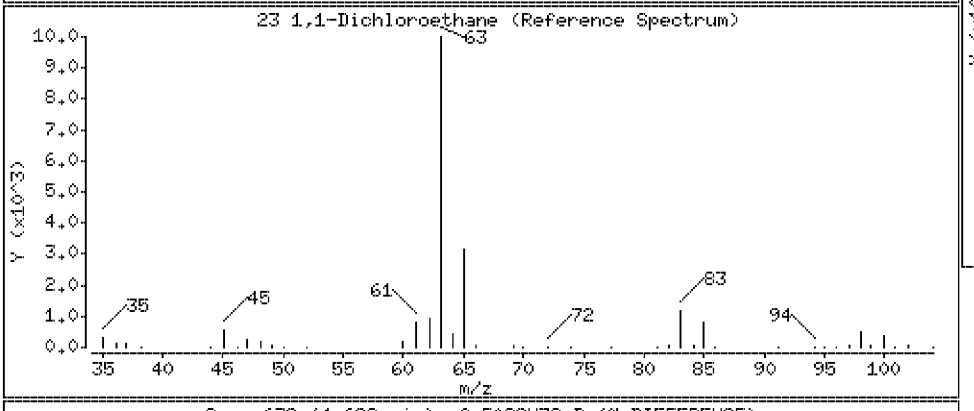
Column diameter: 0.18

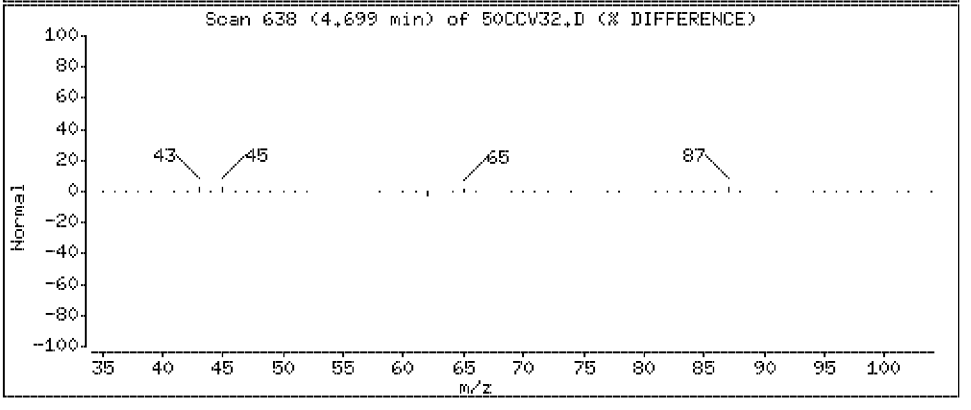
23 1,1-Dichloroethane

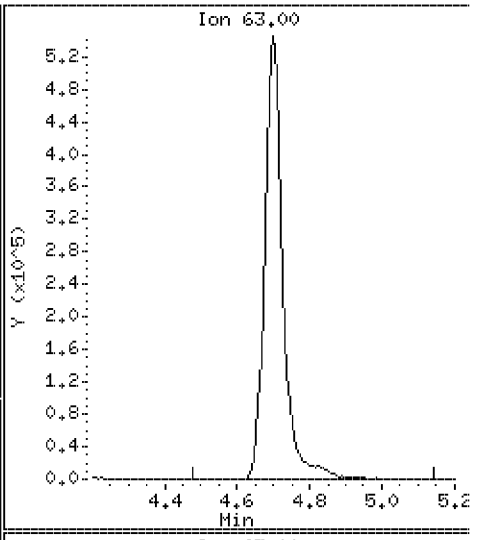
Concentration: 51.5 ug/l

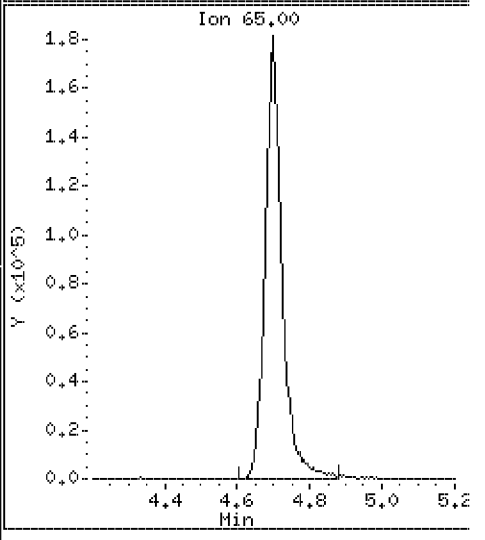












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

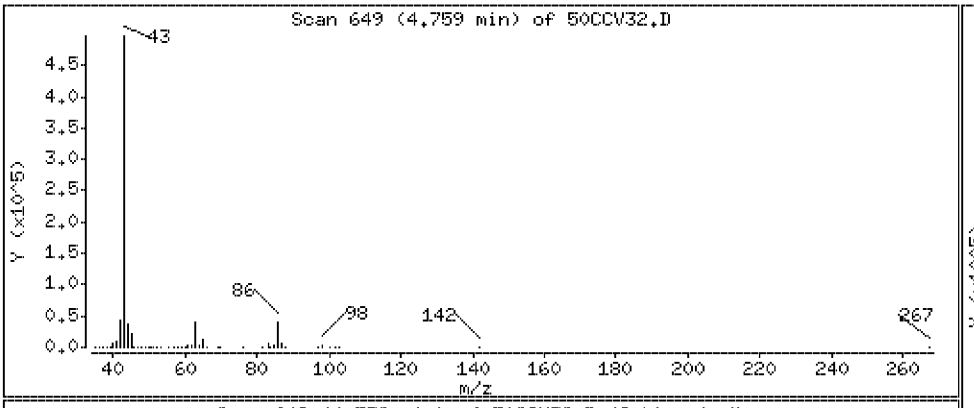
Client ID: 121709CCVA32 Instrument: vms03.i

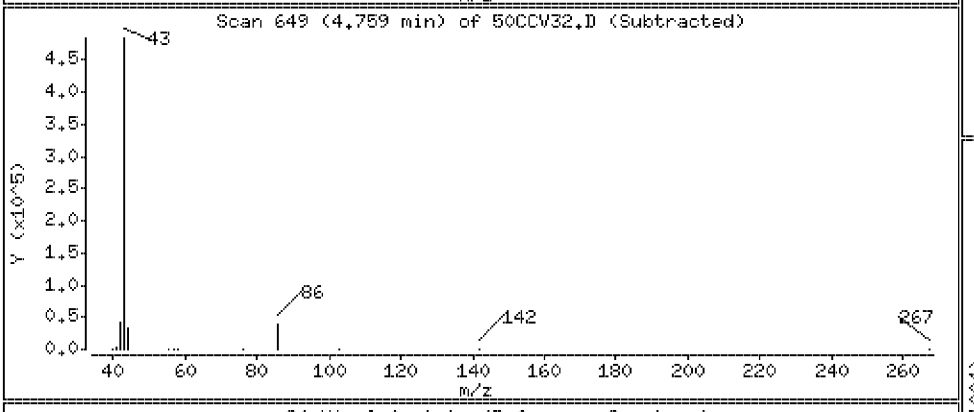
Sample Info: 121709CCVA32

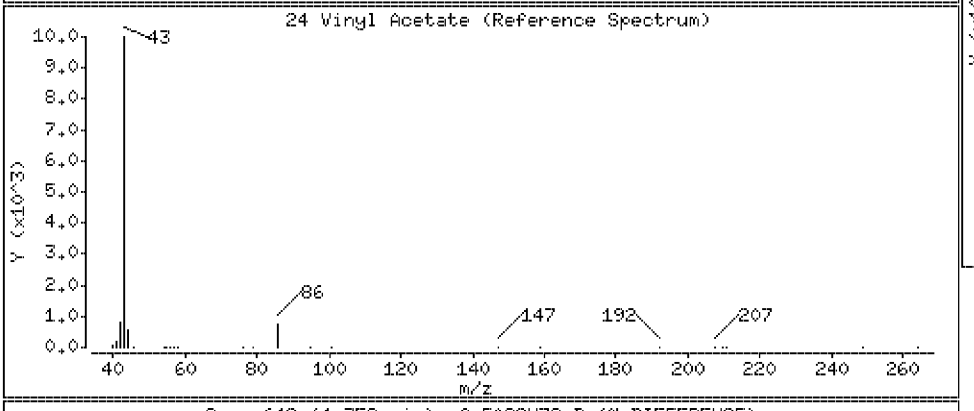
Purge Volume: 5.0 Operator:

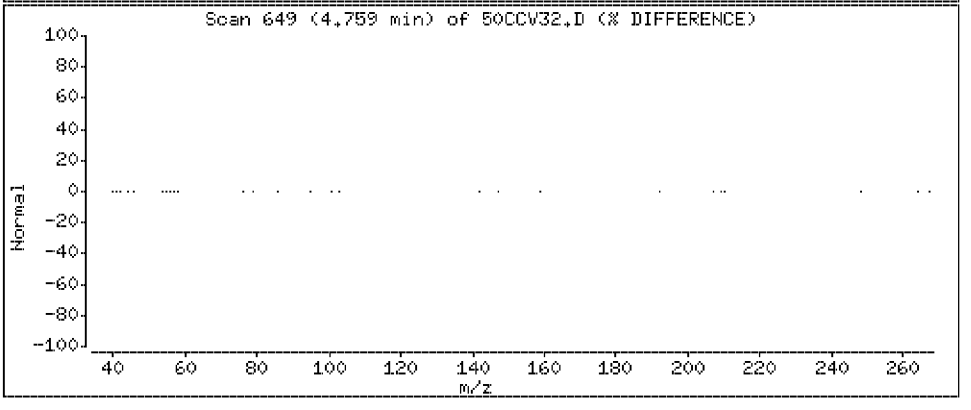
Column phase: DB-624 Column diameter: 0.18

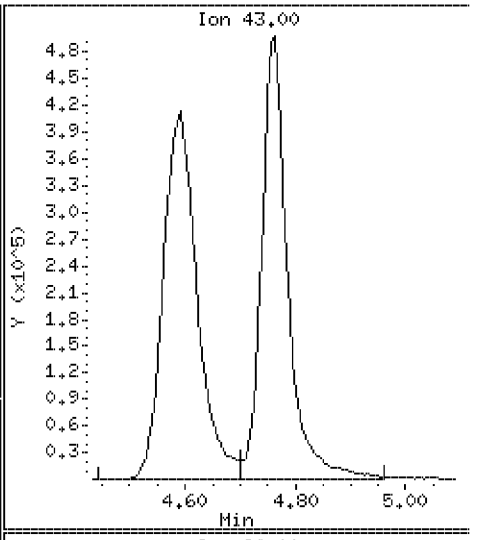
24 Vinyl Acetate Concentration: 55.2 ug/l

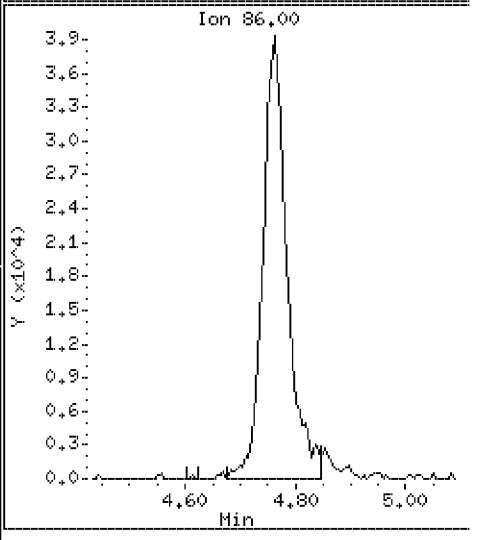












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

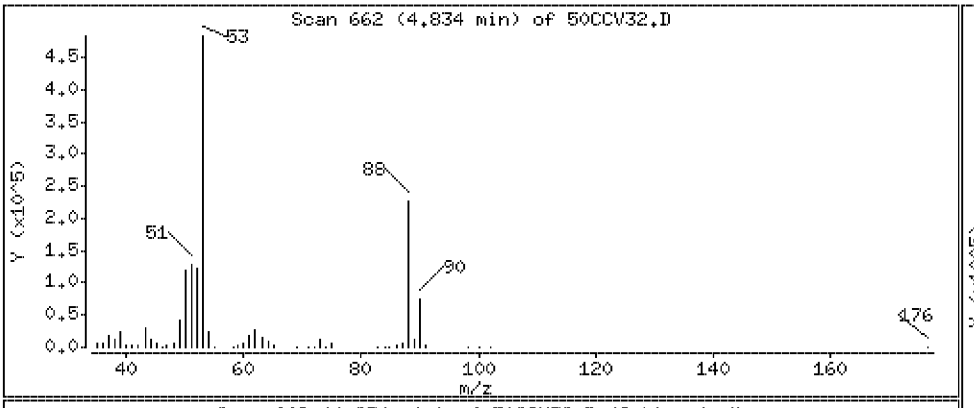
Operator:

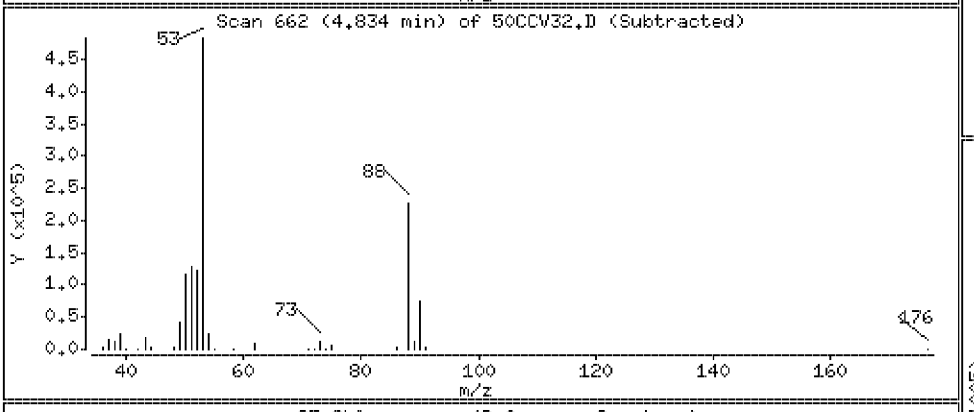
Column phase: DB-624

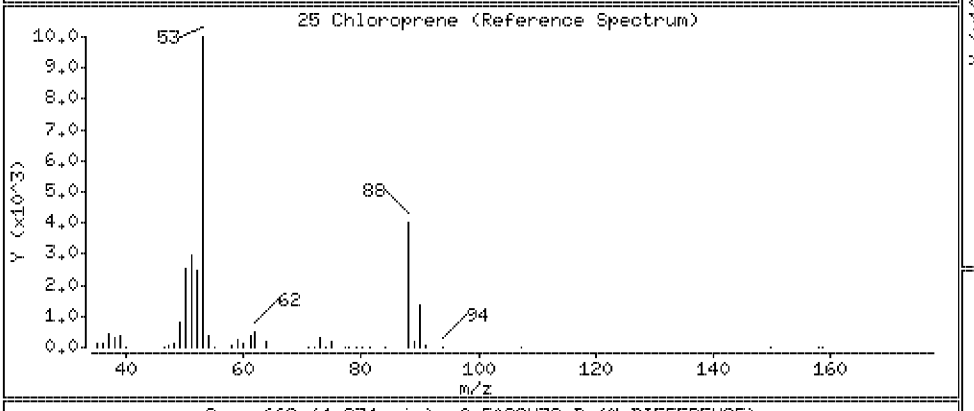
Column diameter: 0.18

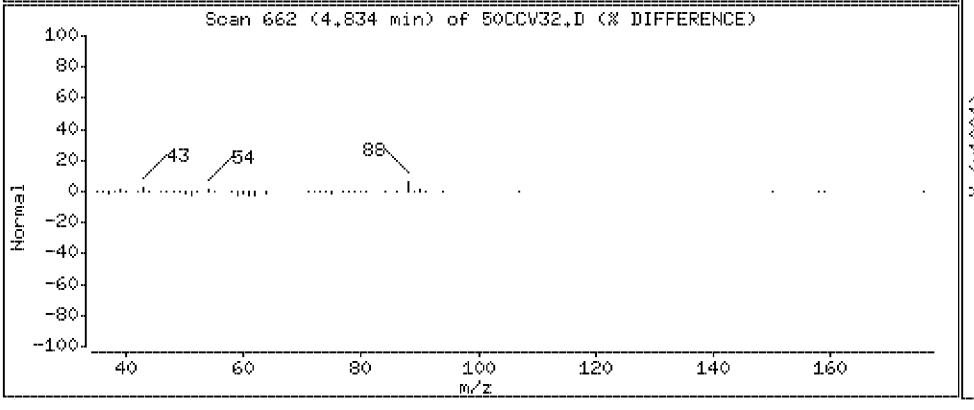
25 Chloroprene

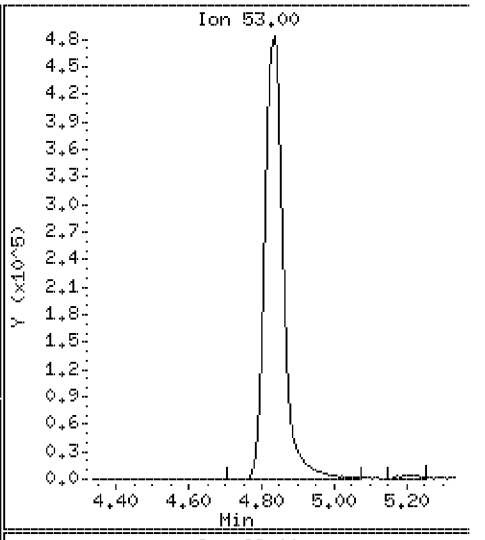
Concentration: 54.7 ug/l

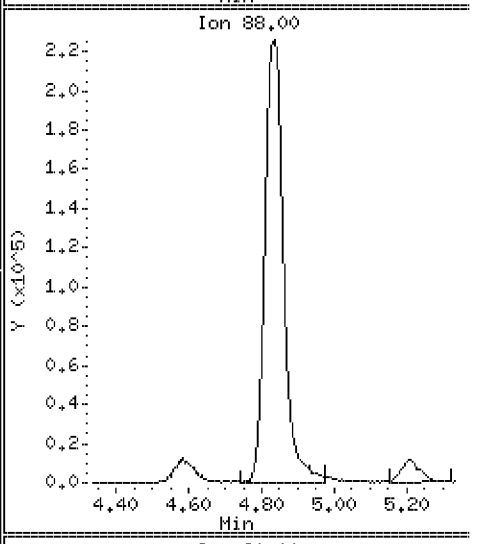


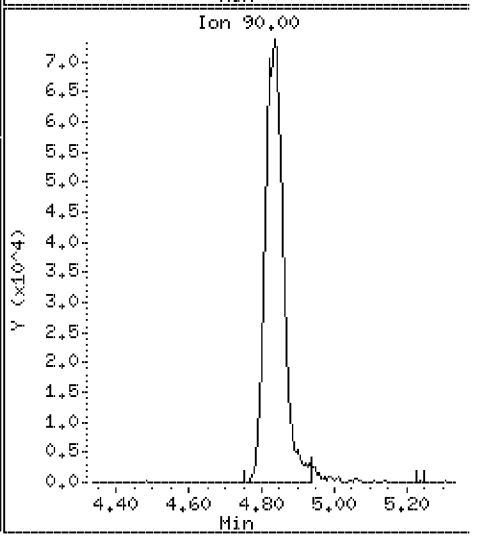












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

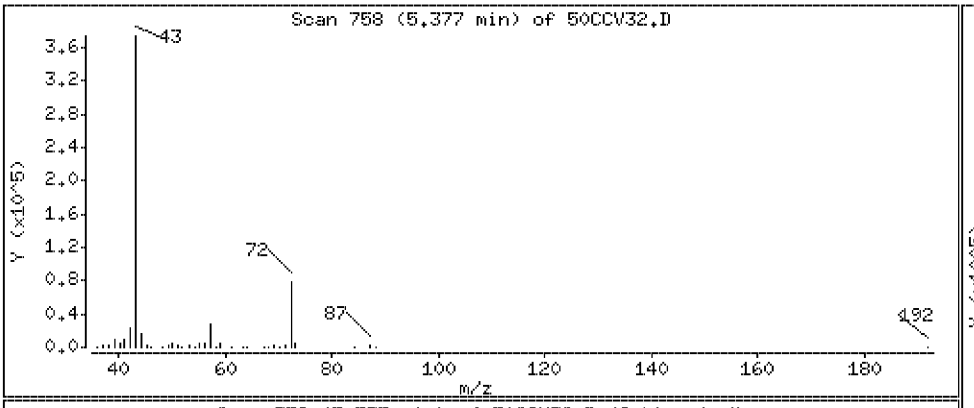
Operator:

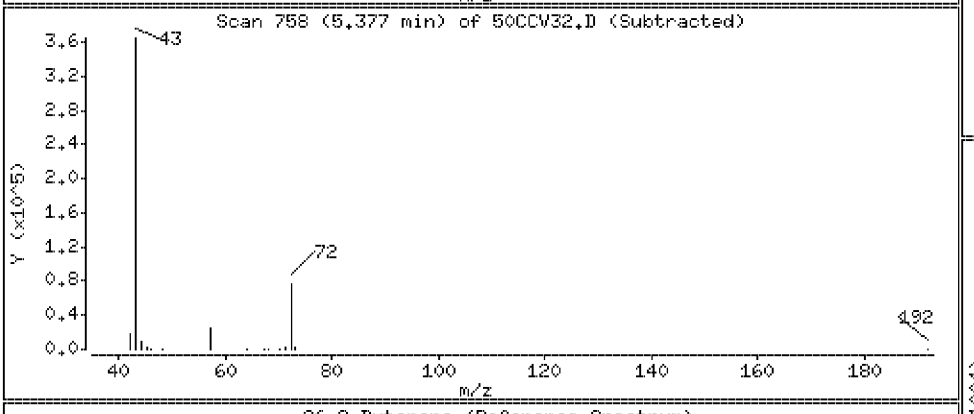
Column phase: DB-624

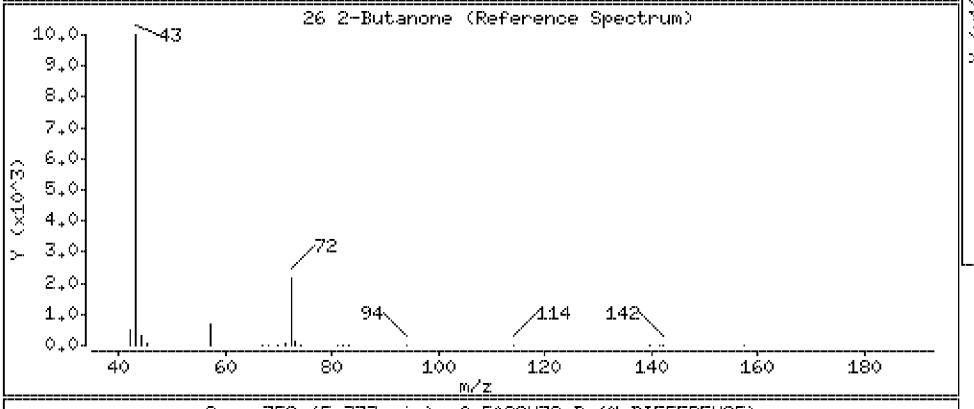
Column diameter: 0.18

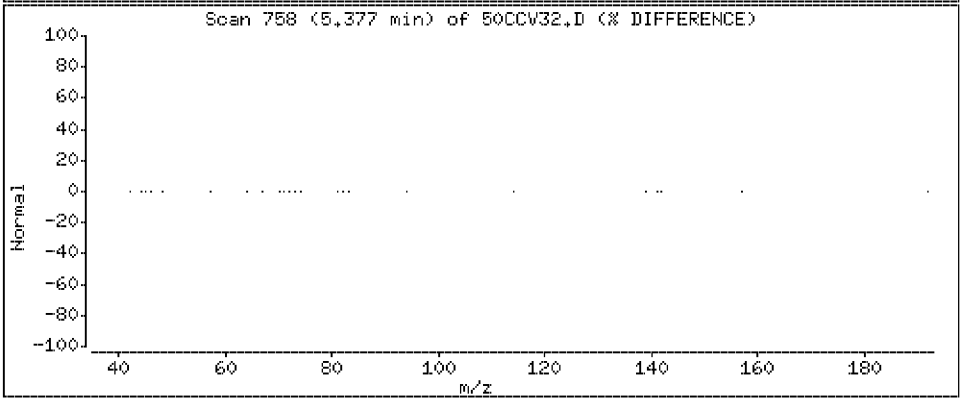
26 2-Butanone

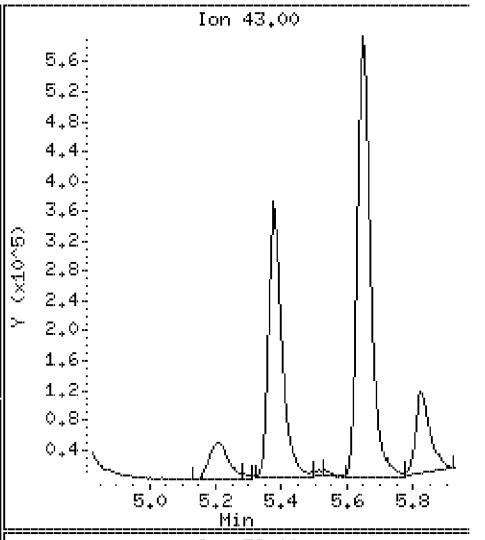
Concentration: 112 ug/l

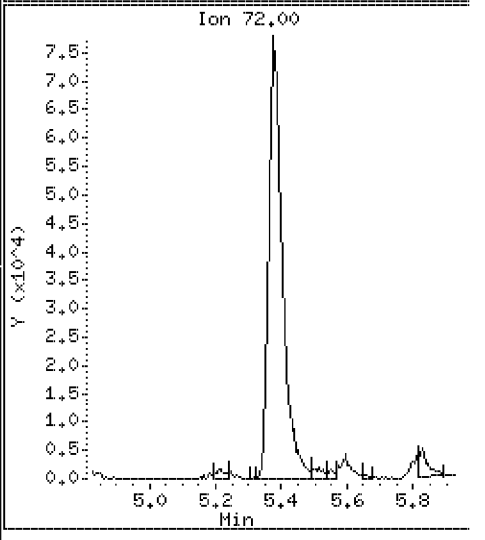












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

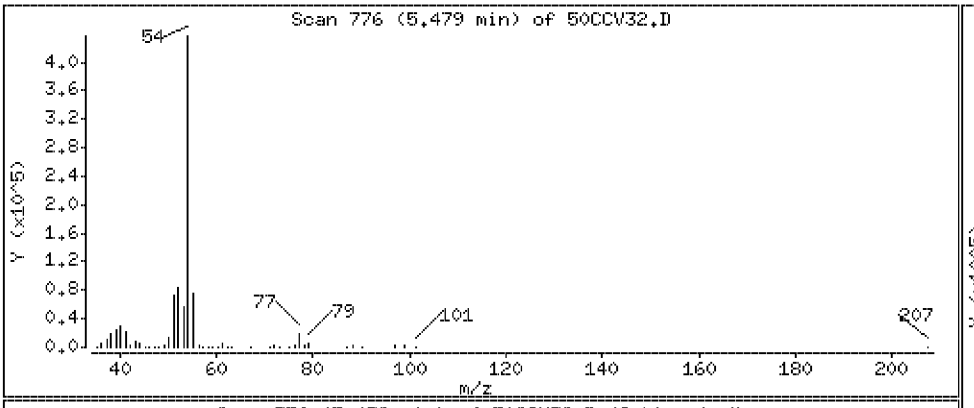
Operator:

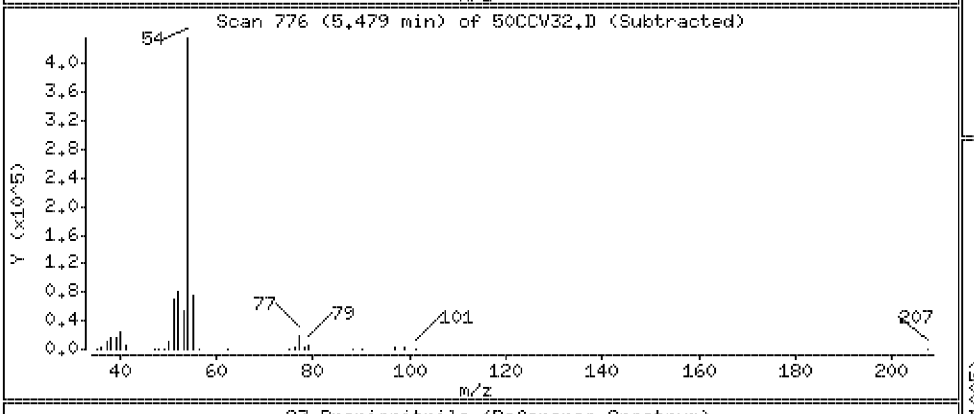
Column phase: DB-624

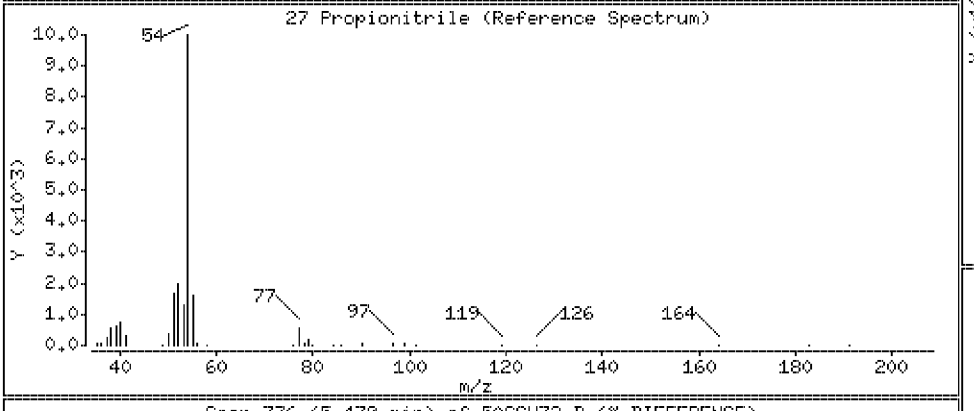
Column diameter: 0.18

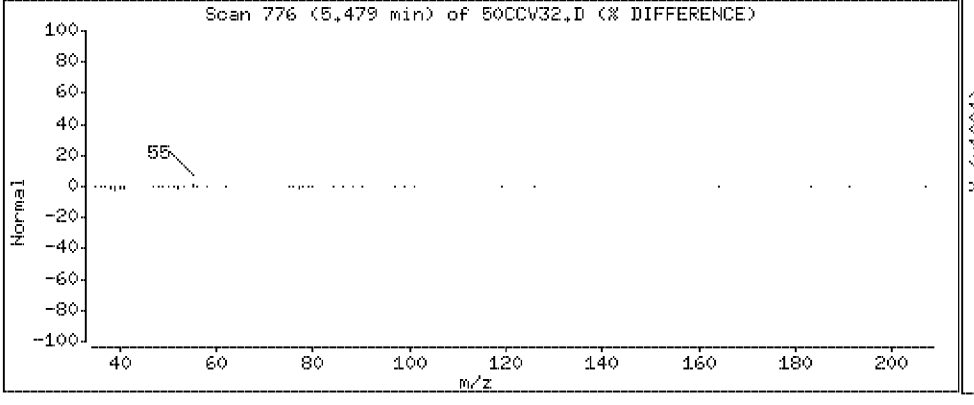
27 Propionitrile

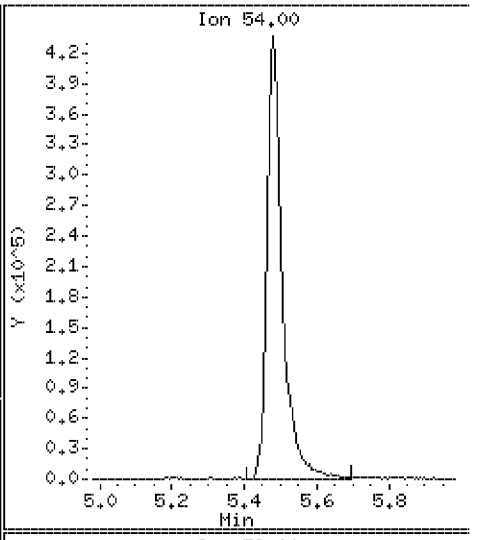
Concentration: 612 ug/l

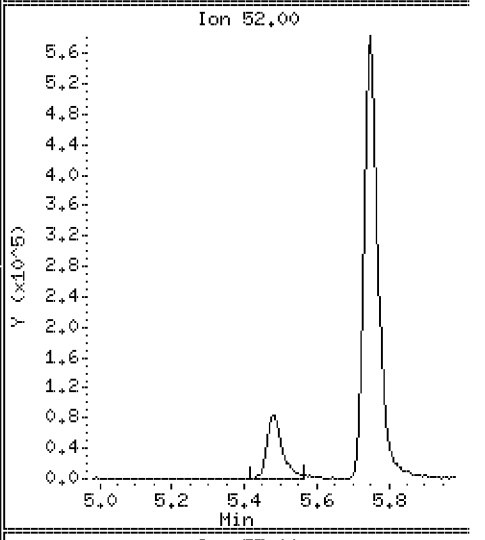


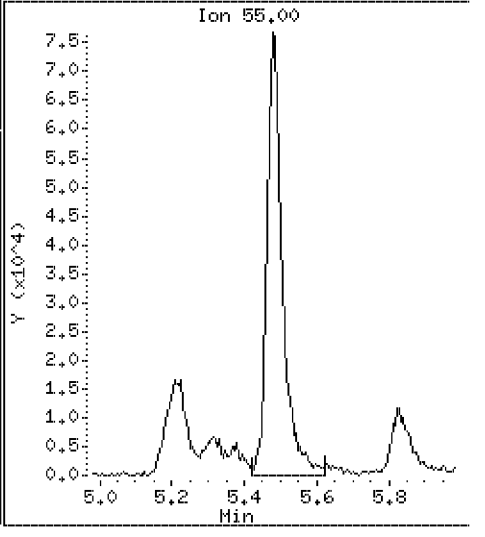












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

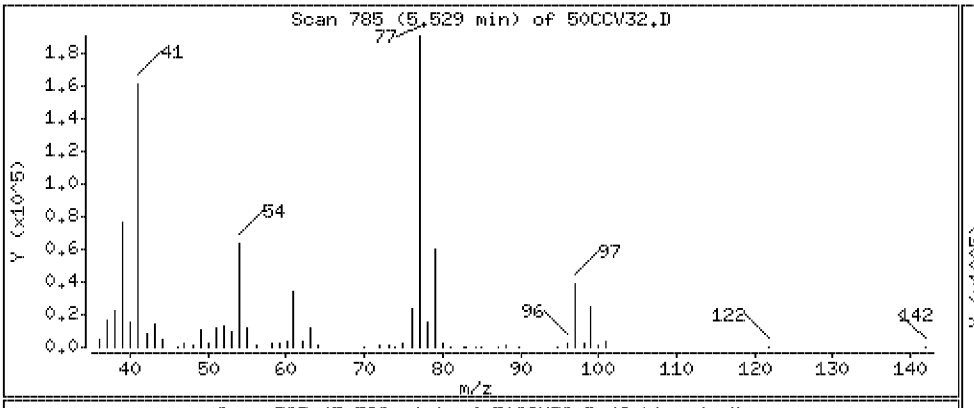
Client ID: 121709CCVA32 Instrument: vms03.i

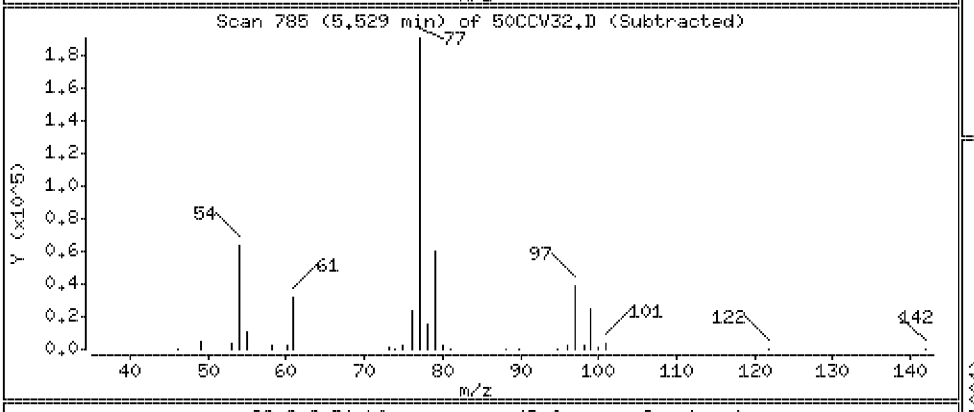
Sample Info: 121709CCVA32

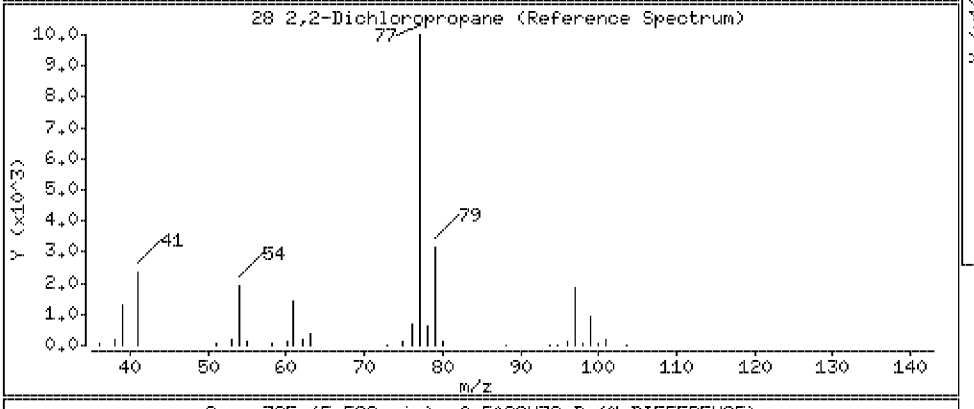
Purge Volume: 5.0 Operator:

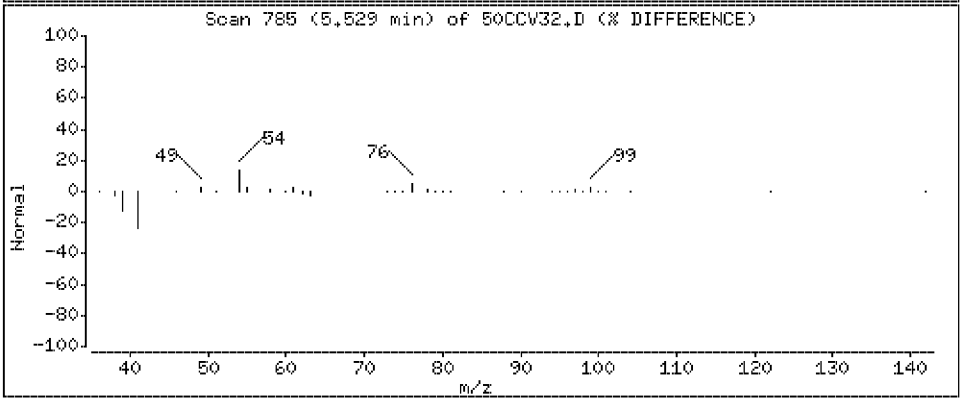
Column phase: DB-624 Column diameter: 0.18

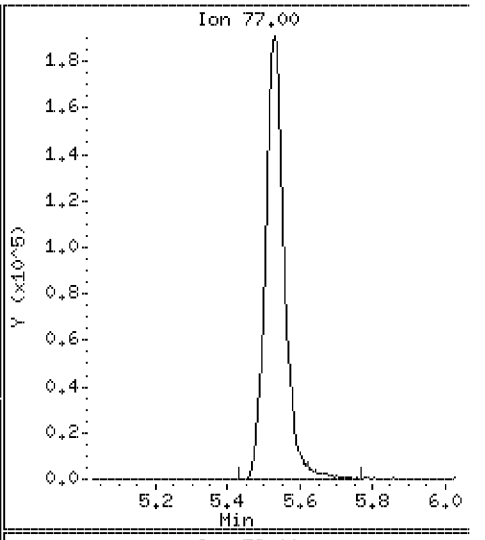
28 2,2-Dichloropropane Concentration: 46.8 ug/l

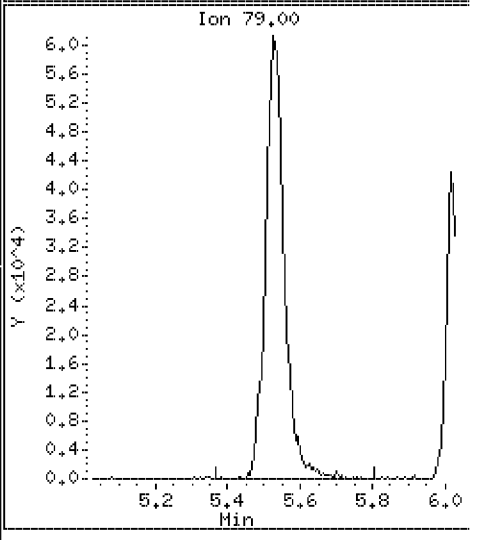












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

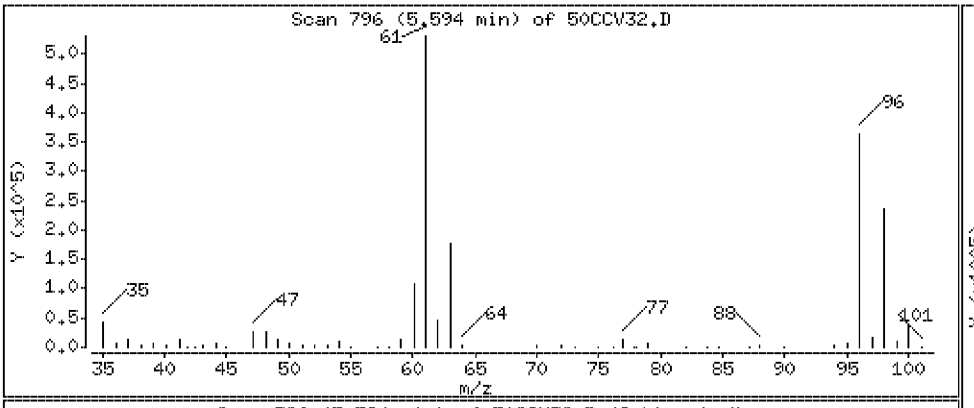
Operator:

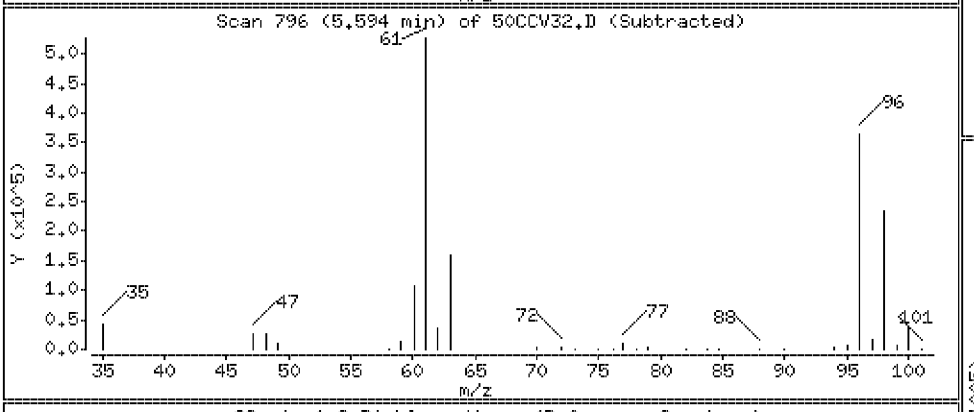
Column phase: DB-624

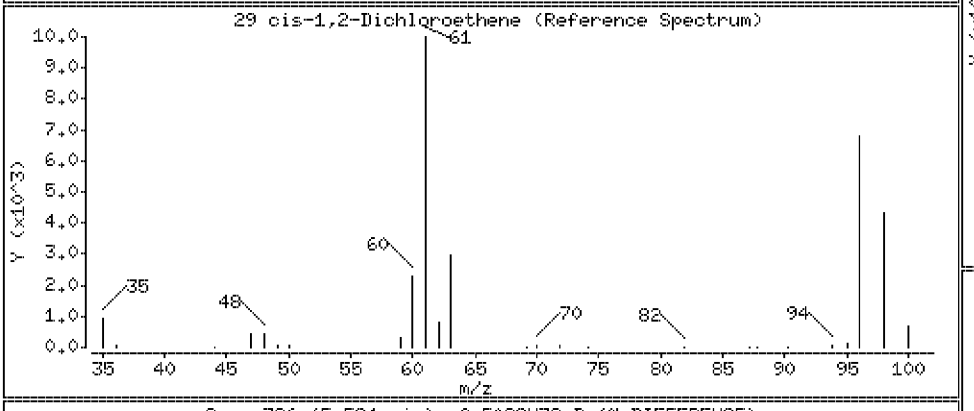
Column diameter: 0.18

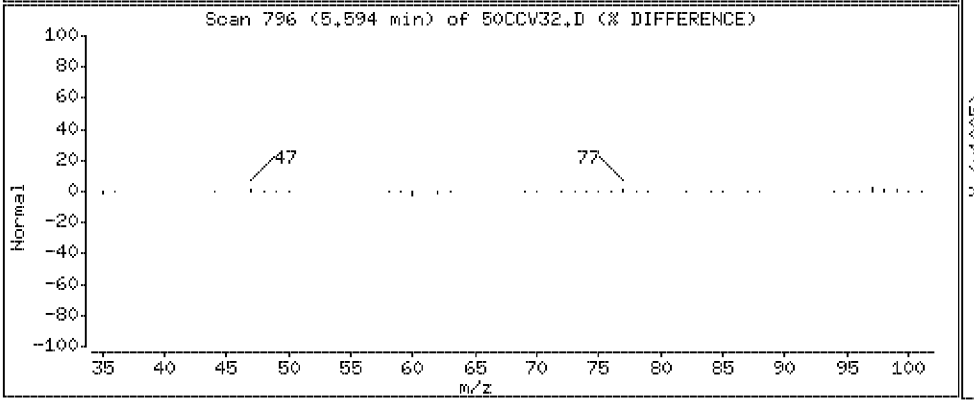
29 cis-1,2-Dichloroethene

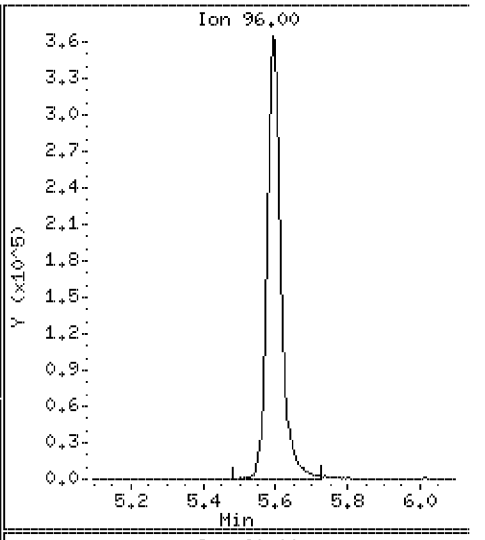
Concentration: 52.1 ug/l

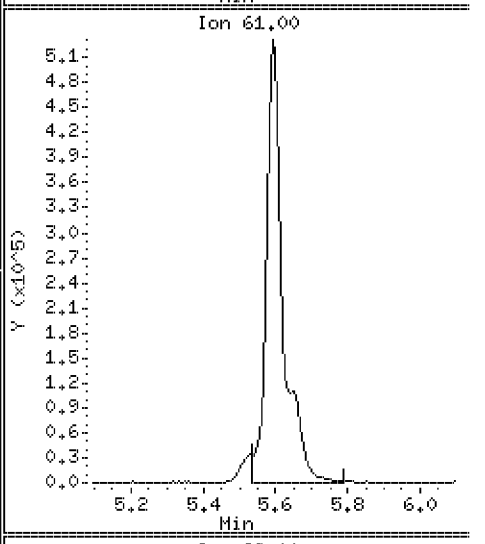


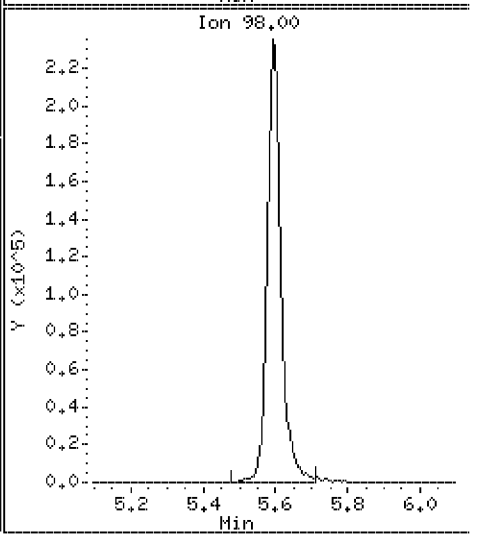












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

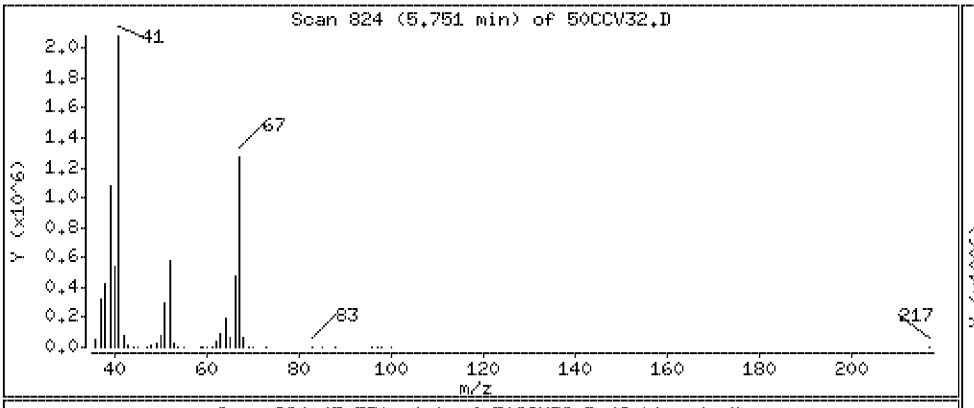
Operator:

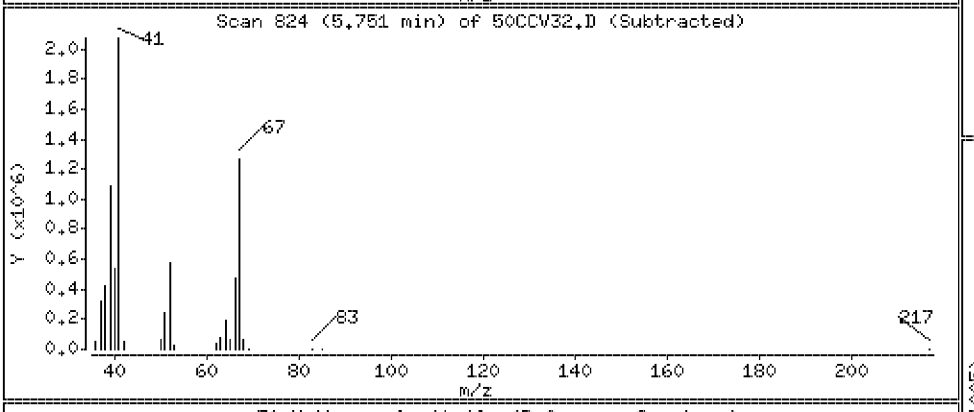
Column phase: DB-624

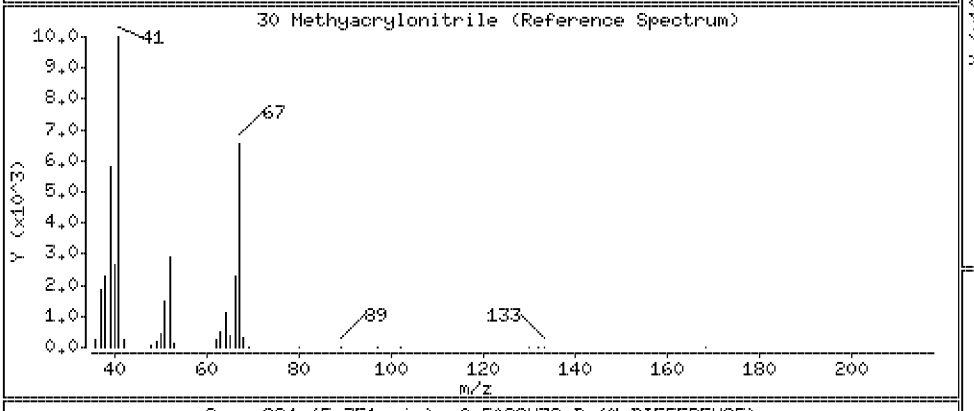
Column diameter: 0.18

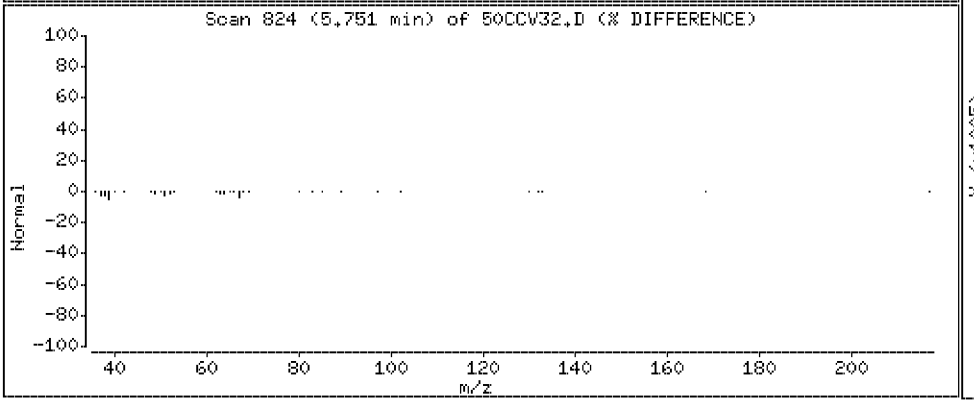
30 Methyacrylonitrile

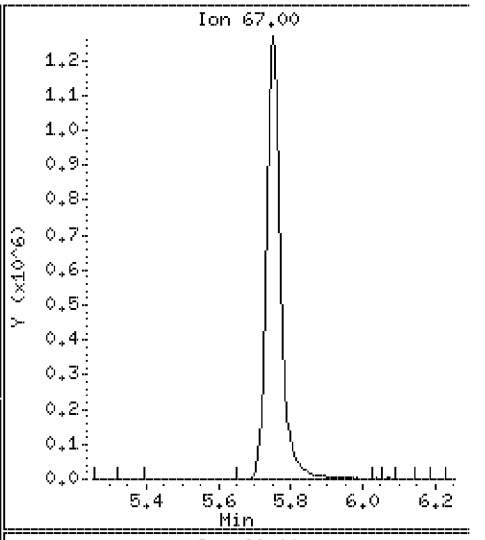
Concentration: 531 ug/l

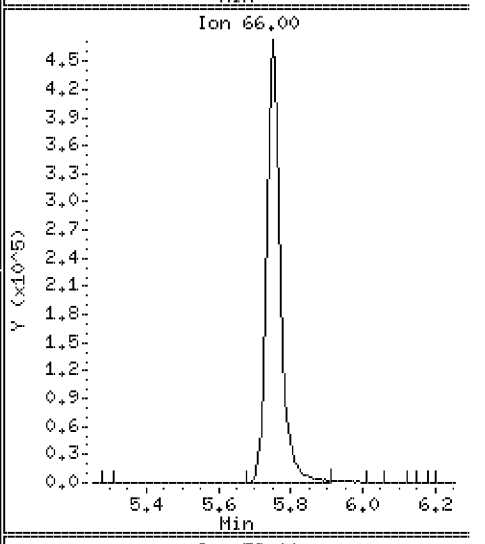


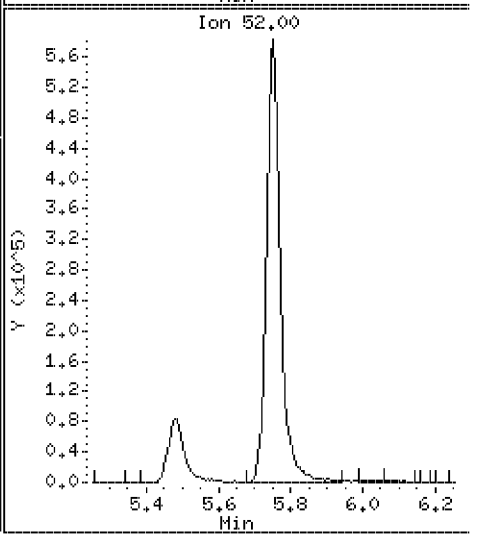












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

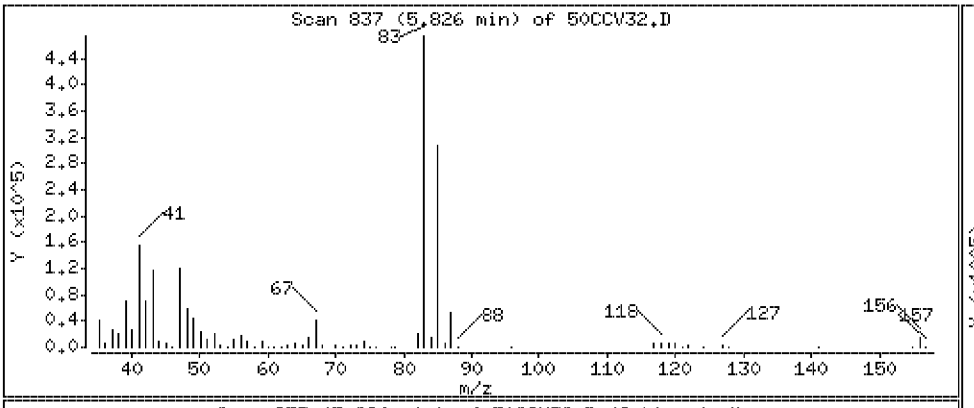
Client ID: 121709CCVA32 Instrument: vms03.i

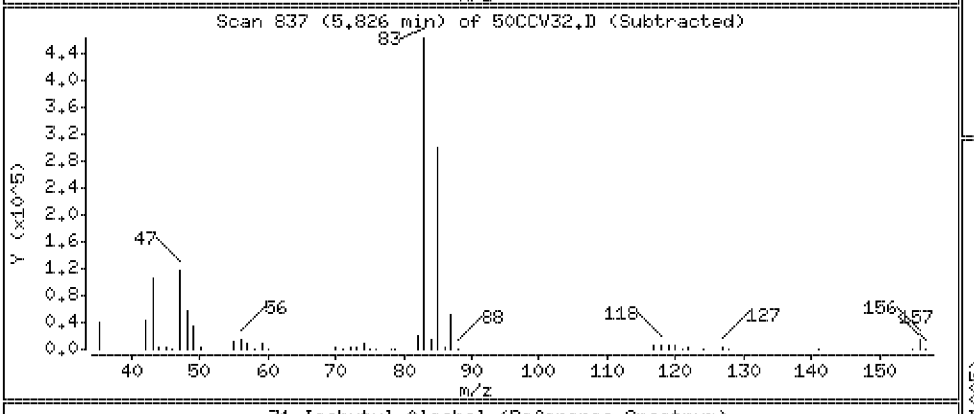
Sample Info: 121709CCVA32

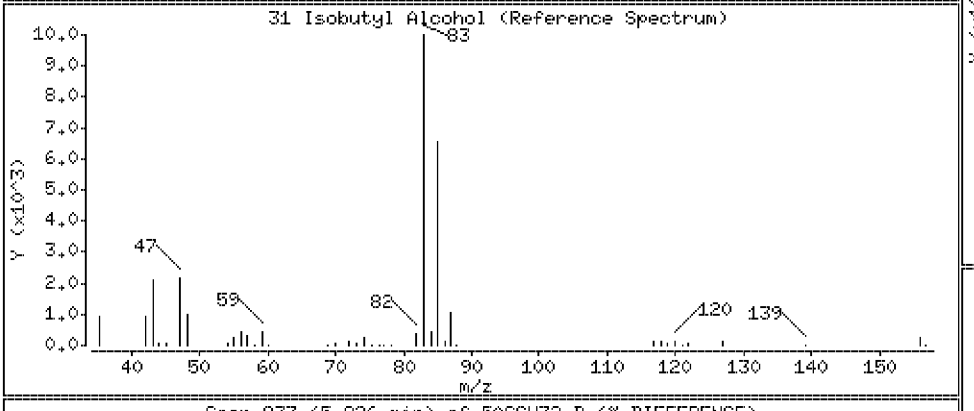
Purge Volume: 5.0 Operator:

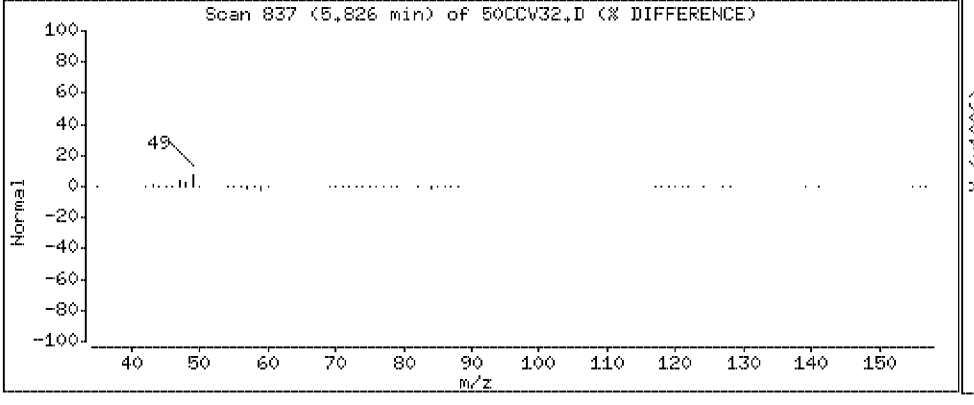
Column phase: DB-624 Column diameter: 0.18

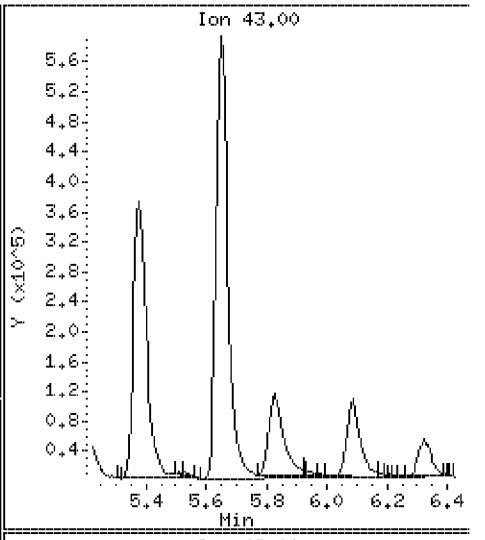
31 Isobutyl Alcohol Concentration: 1530 ug/l

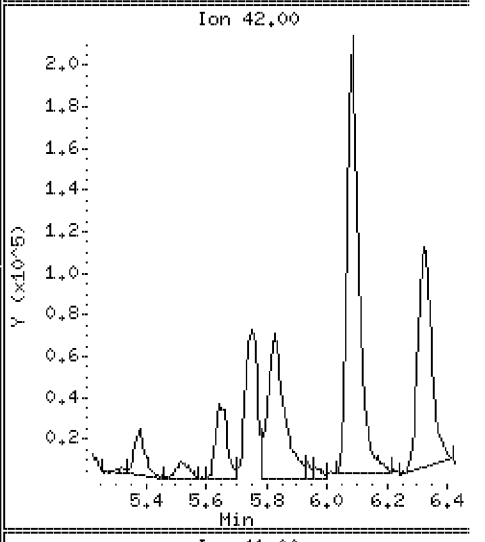


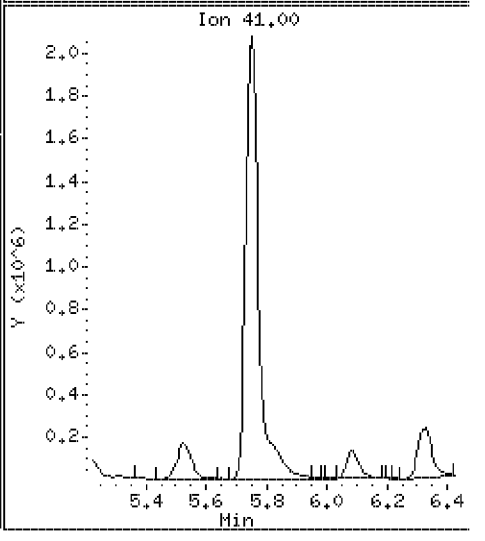












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

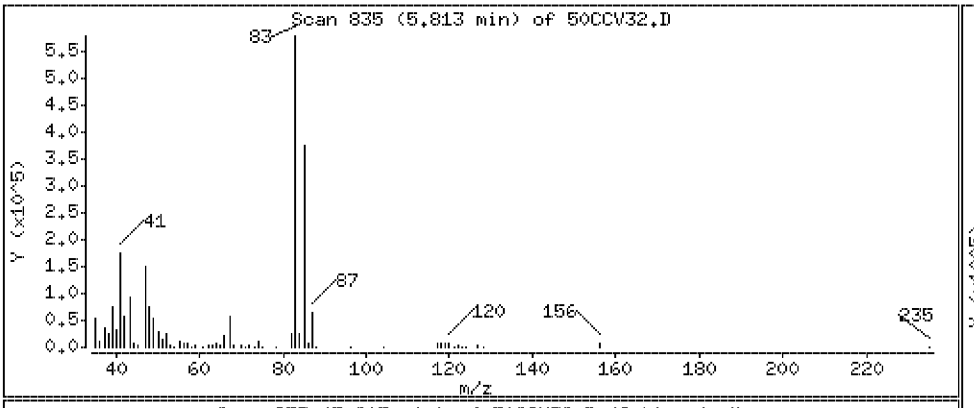
Operator:

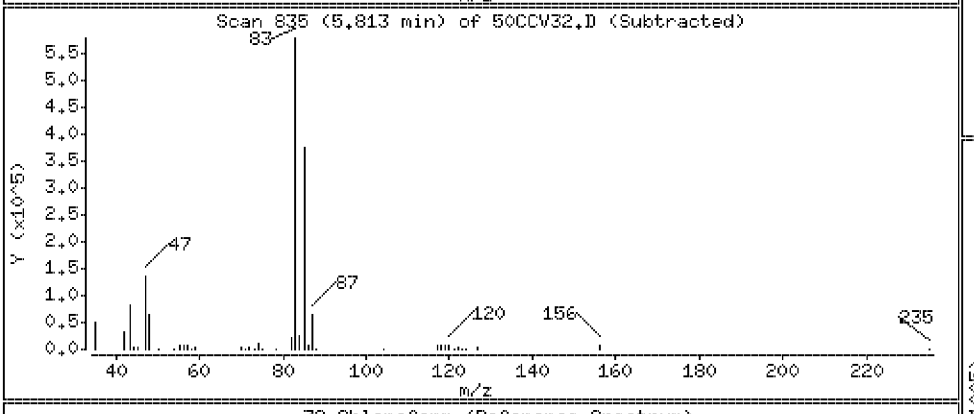
Column phase: DB-624

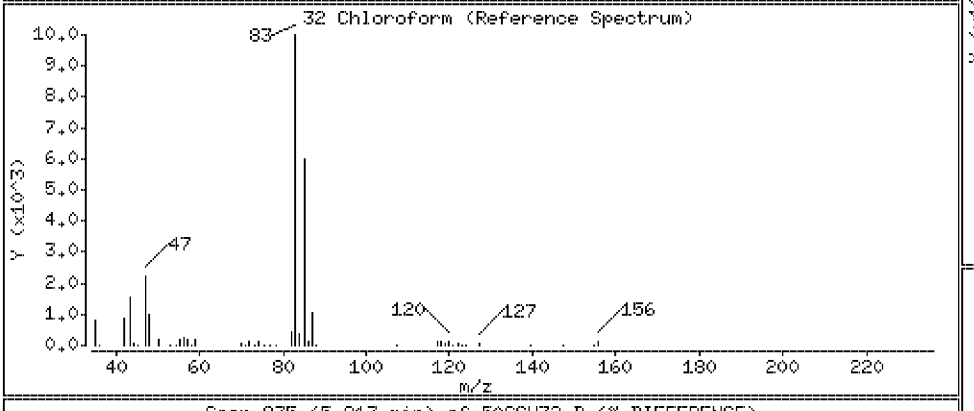
Column diameter: 0.18

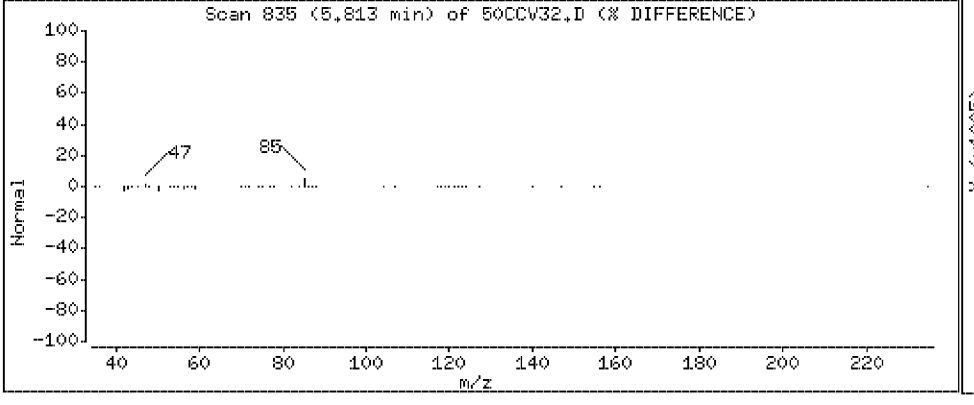
32 Chloroform

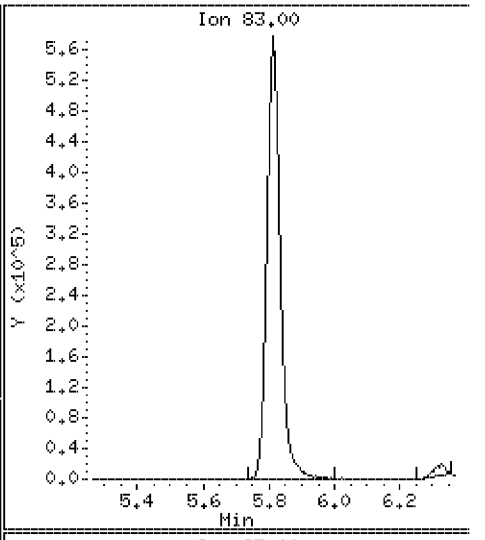
Concentration: 51.0 ug/l

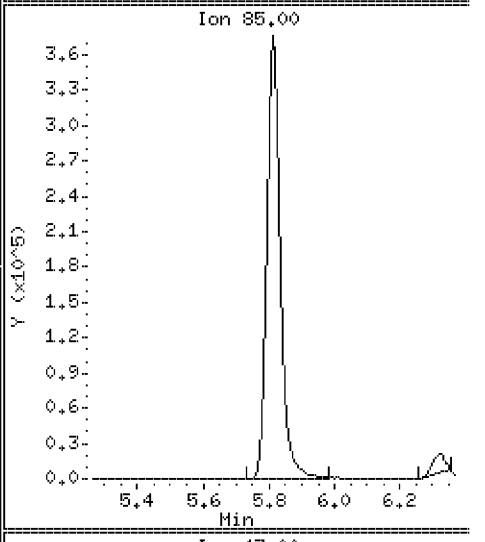


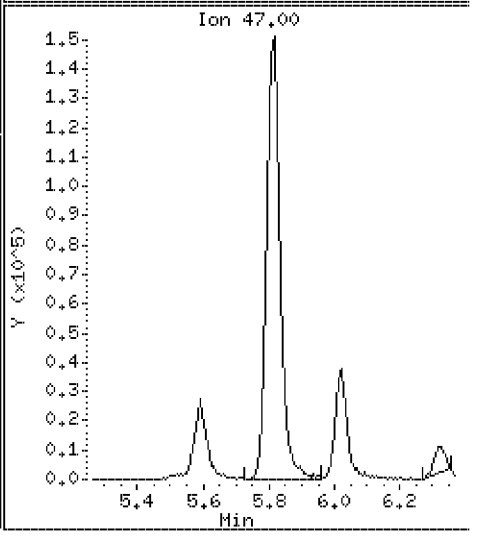












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

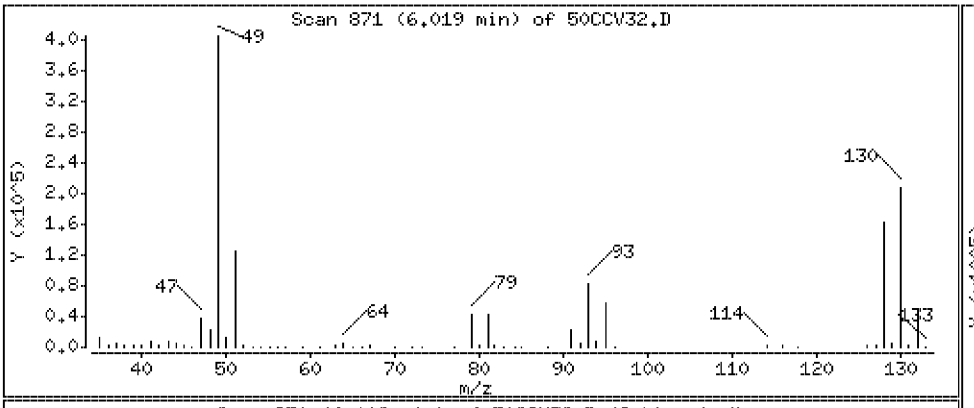
Client ID: 121709CCVA32 Instrument: vms03.i

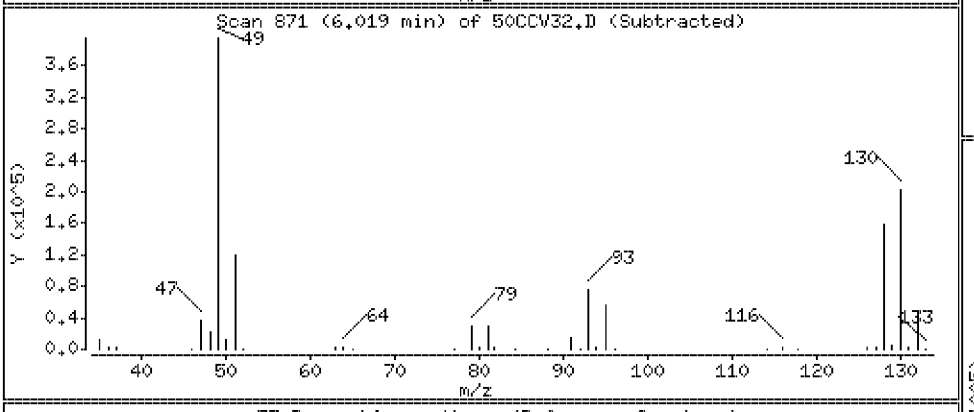
Sample Info: 121709CCVA32

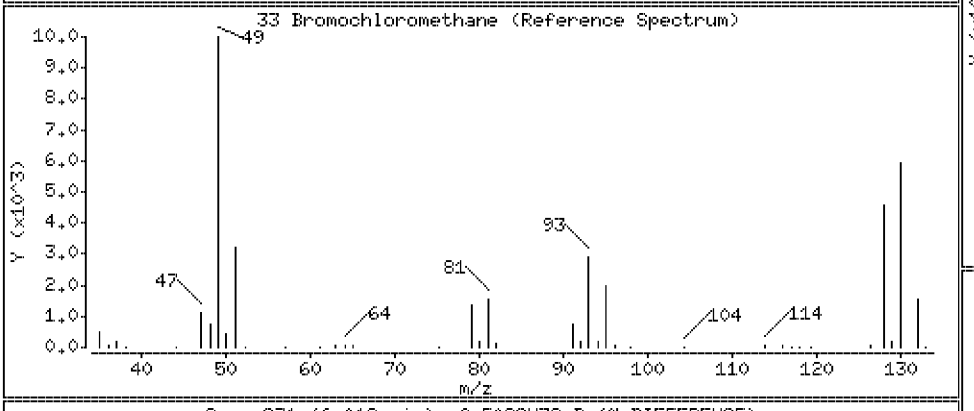
Purge Volume: 5.0 Operator:

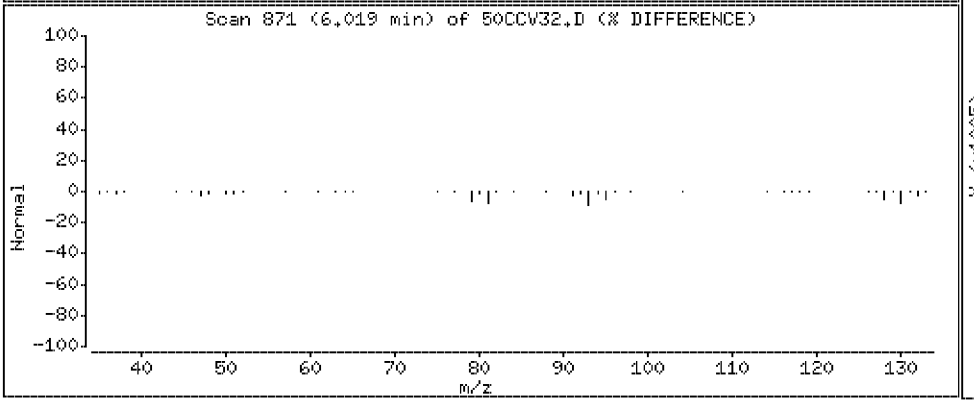
Column phase: DB-624 Column diameter: 0.18

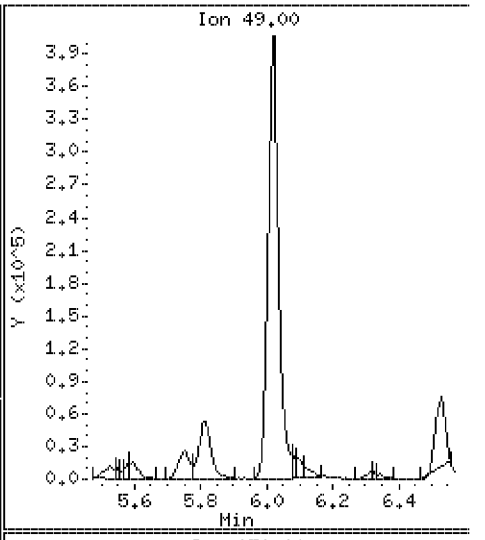
33 Bromochloromethane Concentration: 51.5 ug/l

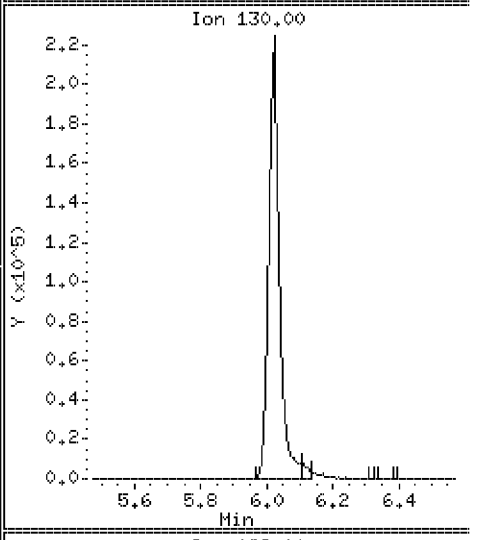


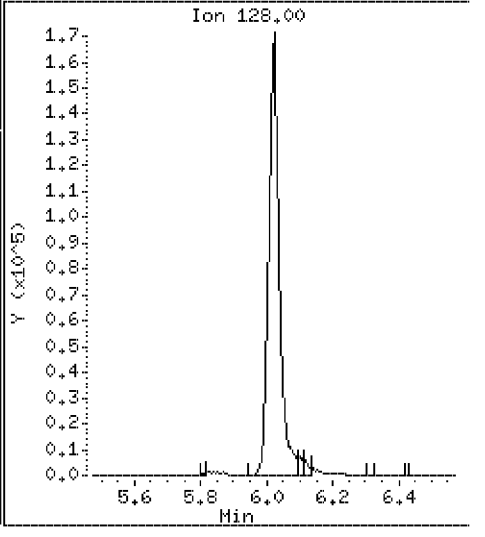












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

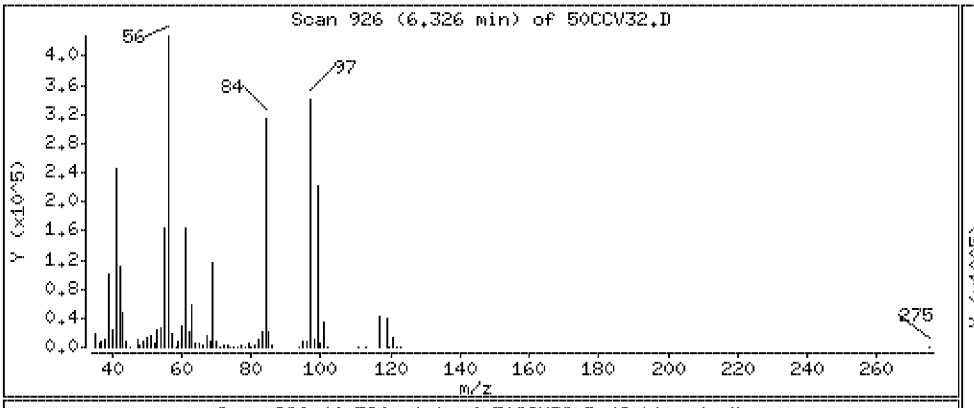
Operator:

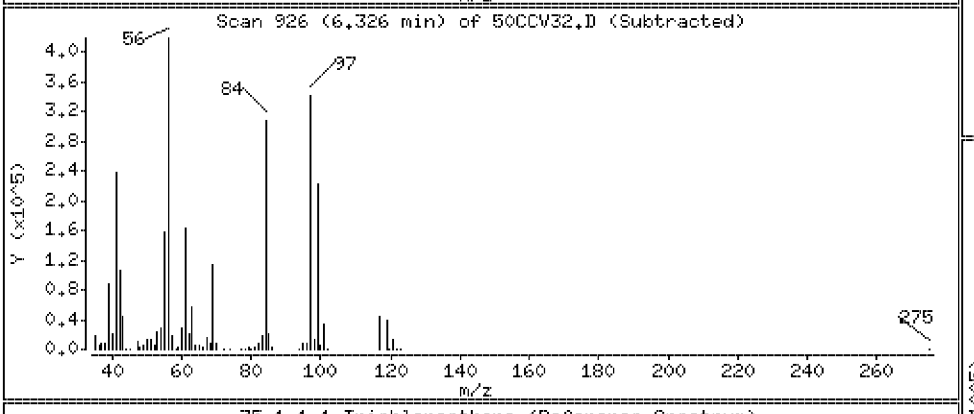
Column phase: DB-624

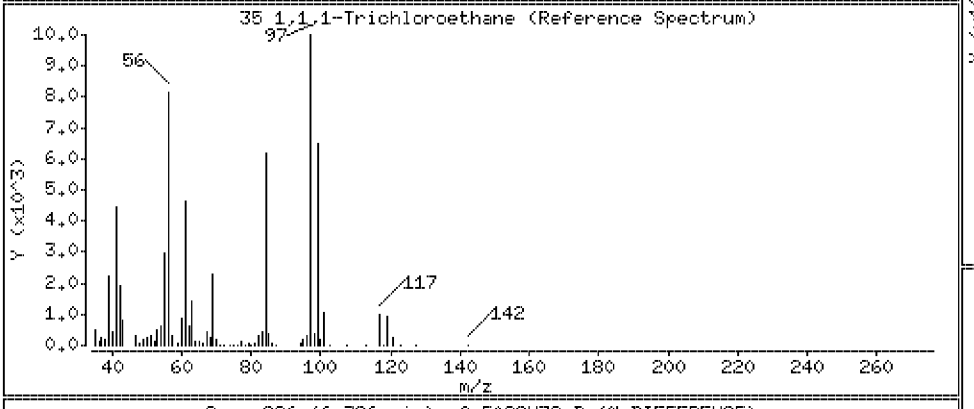
Column diameter: 0.18

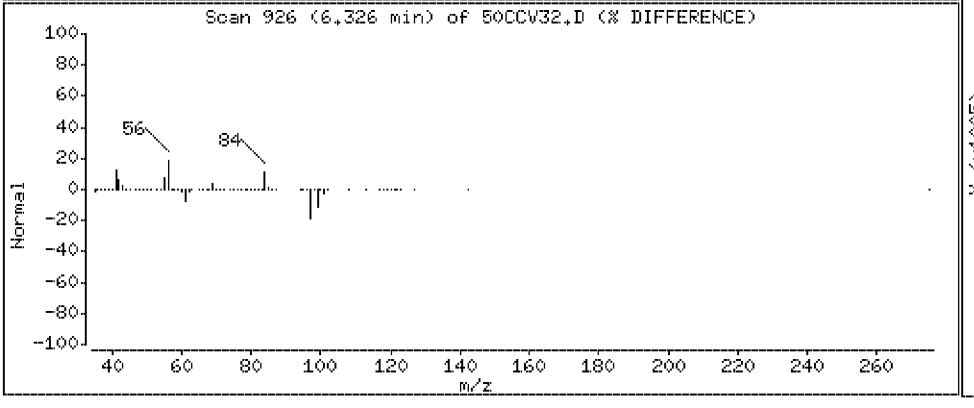
35 1,1,1-Trichloroethane

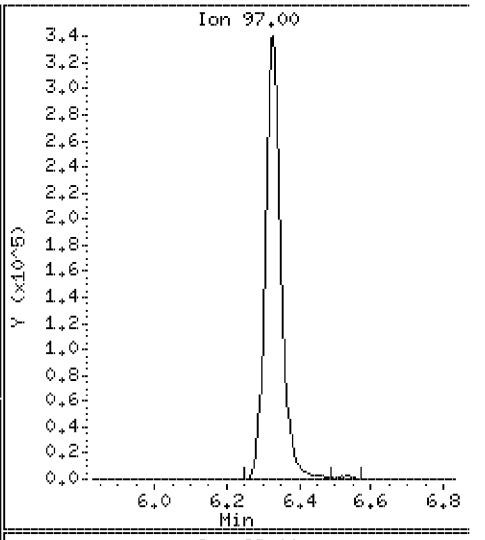
Concentration: 52.7 ug/l

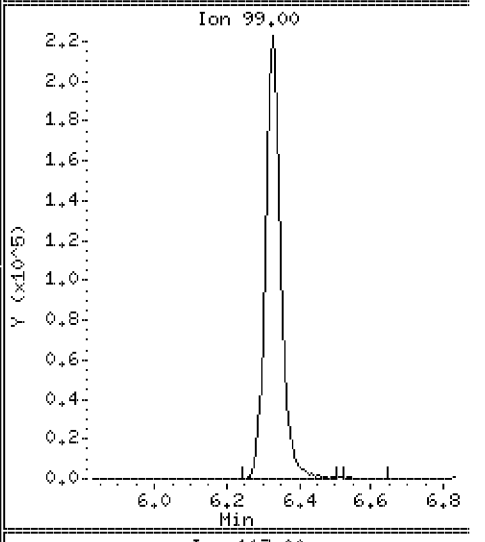


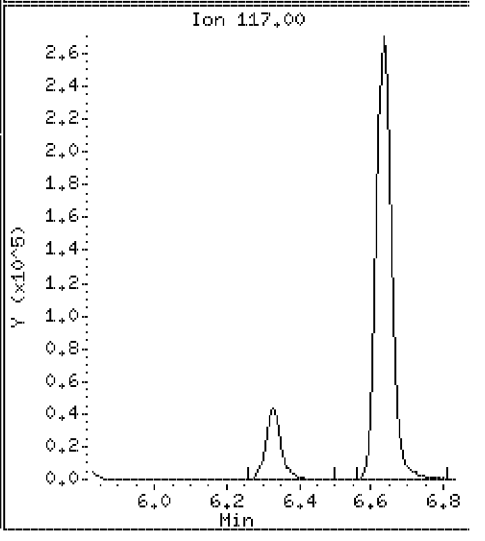












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

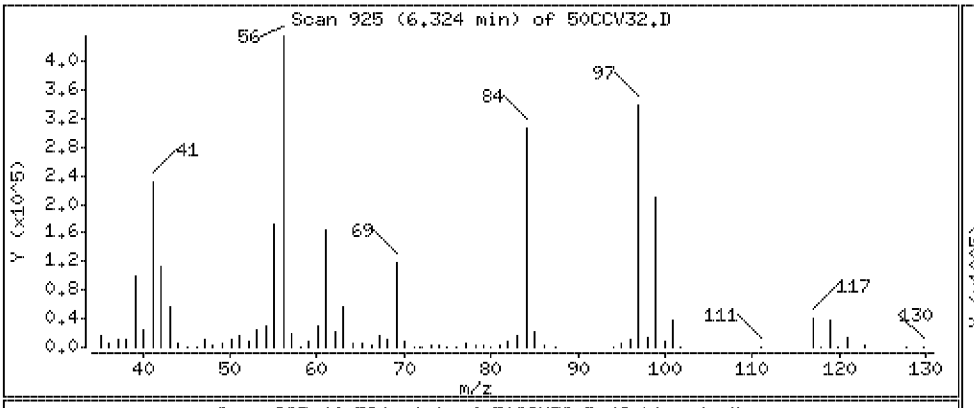
Client ID: 121709CCVA32 Instrument: vms03.i

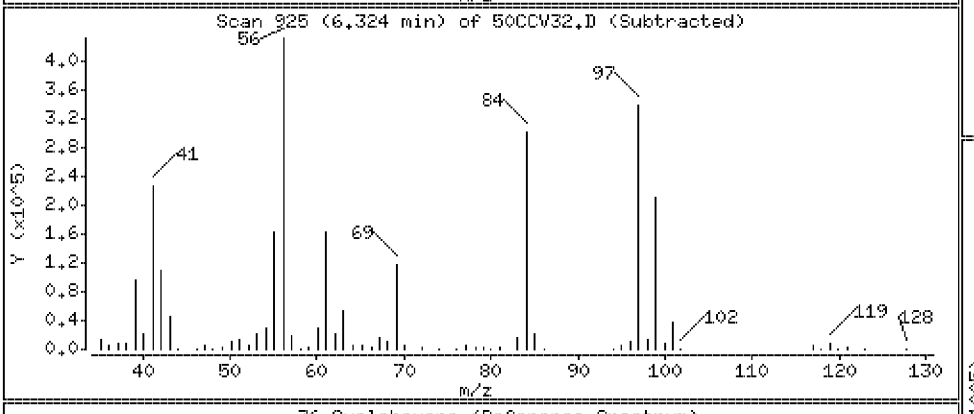
Sample Info: 121709CCVA32

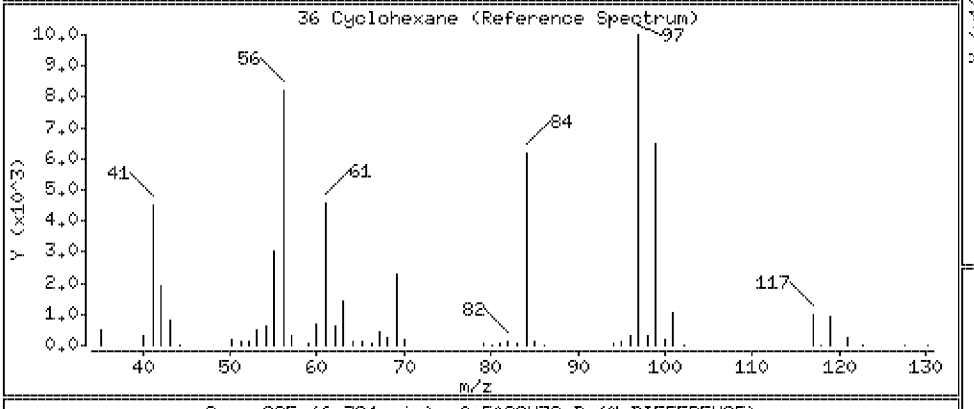
Purge Volume: 5.0 Operator:

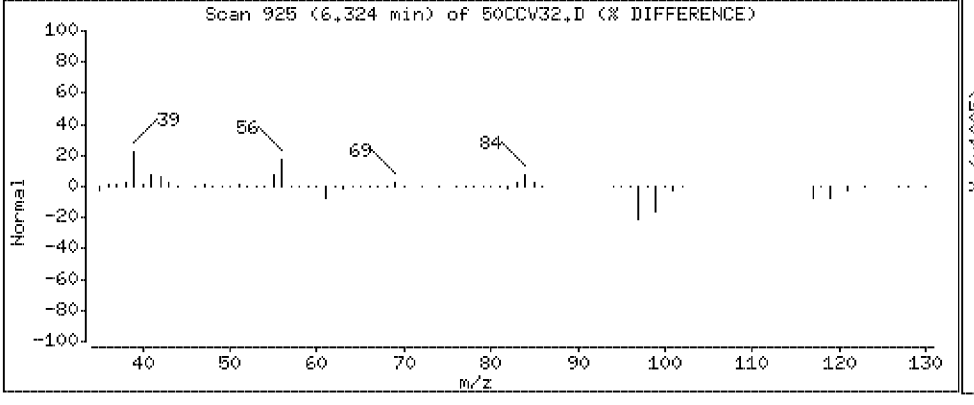
Column phase: DB-624 Column diameter: 0.18

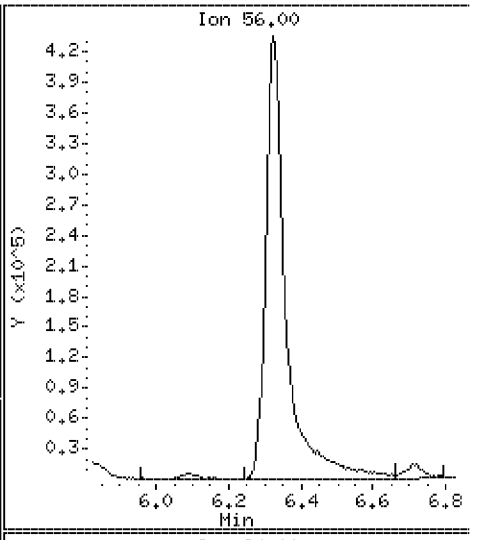
36 Cyclohexane Concentration: 55.9 ug/l

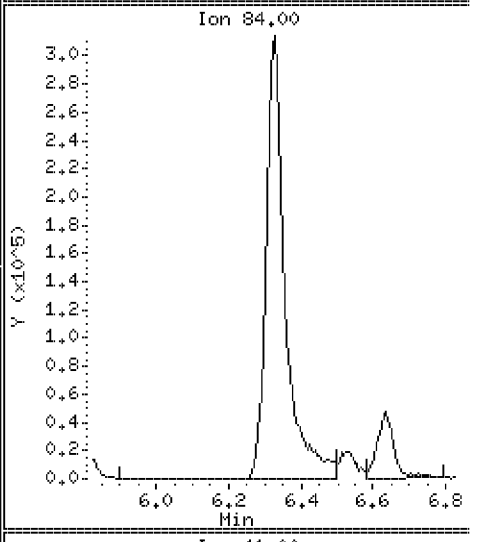


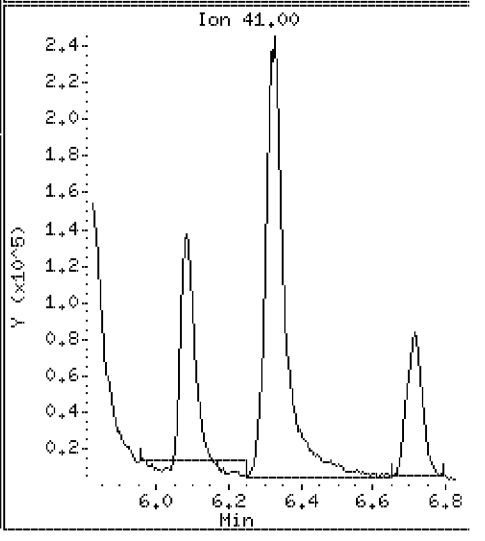












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

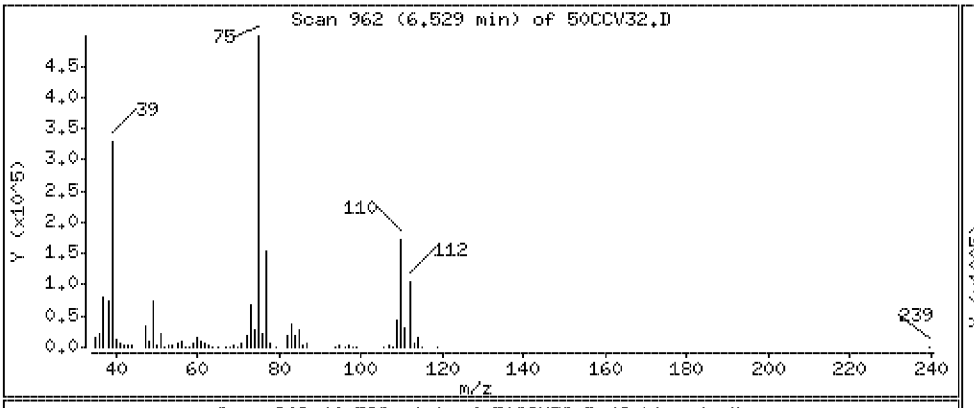
Client ID: 121709CCVA32 Instrument: vms03.i

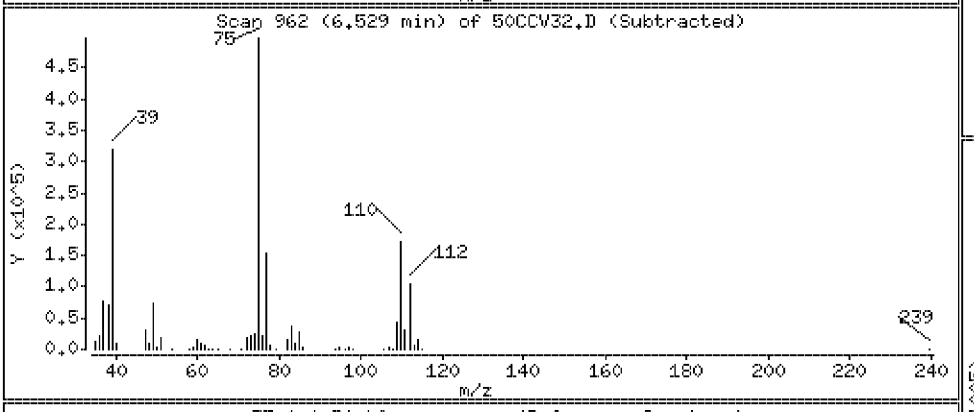
Sample Info: 121709CCVA32

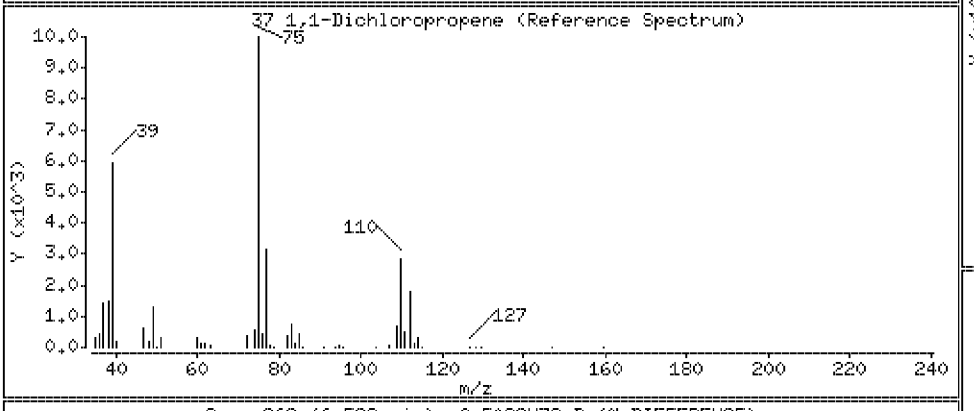
Purge Volume: 5.0 Operator:

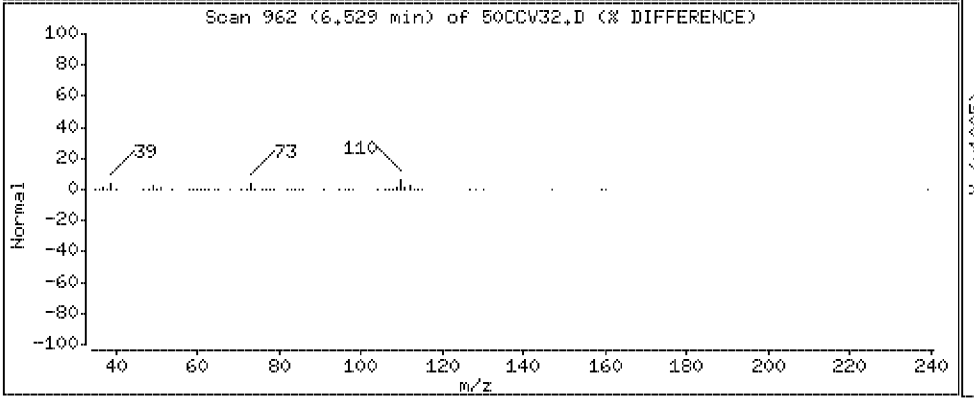
Column phase: DB-624 Column diameter: 0.18

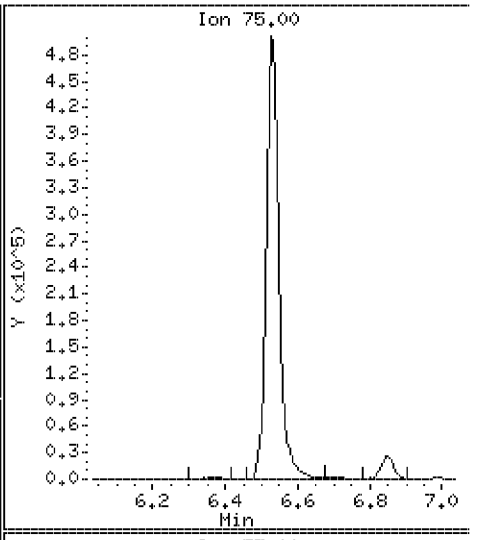
37 1,1-Dichloropropene Concentration: 53.9 ug/l

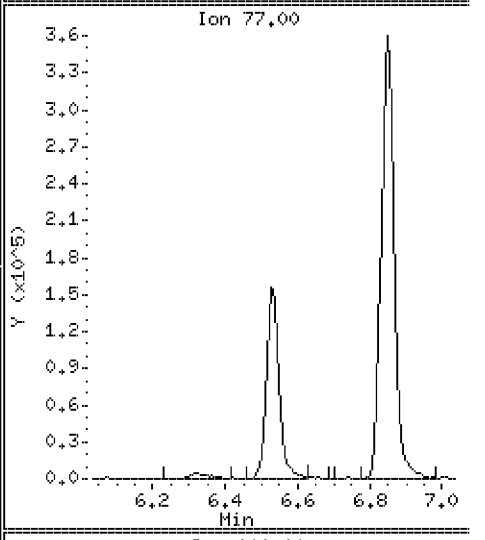


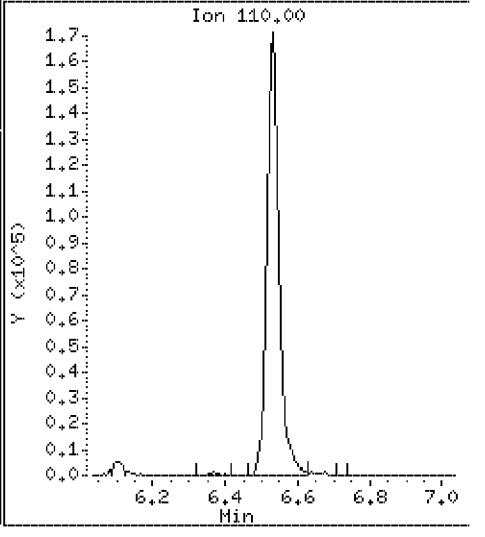












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

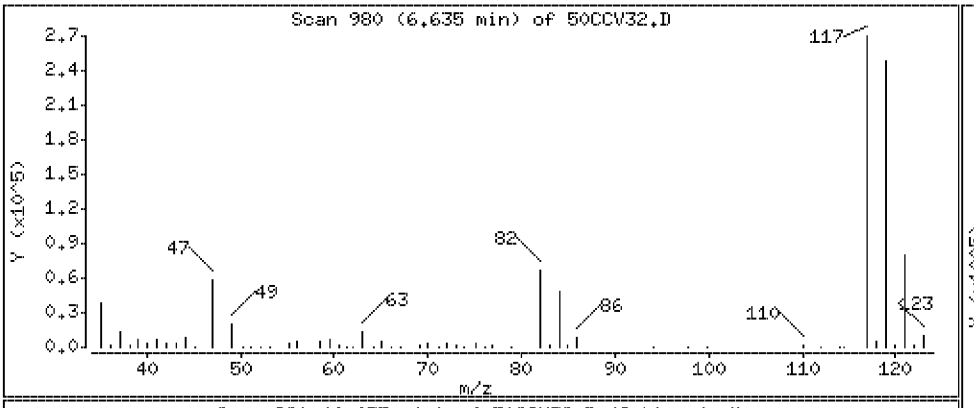
Operator:

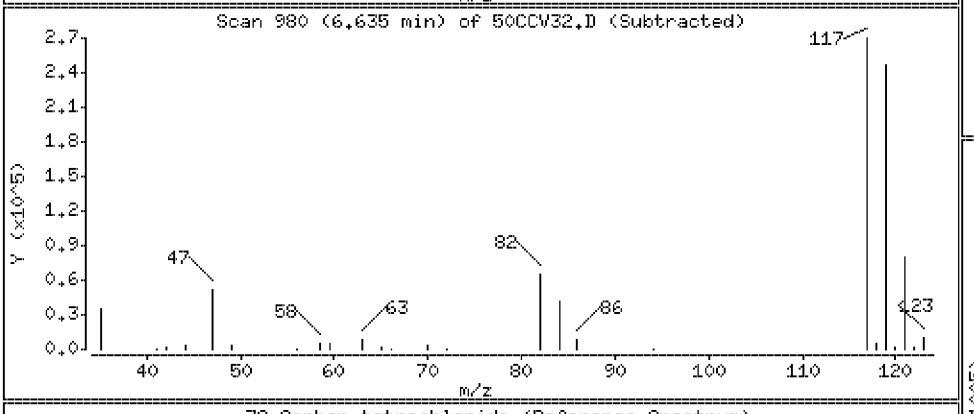
Column phase: DB-624

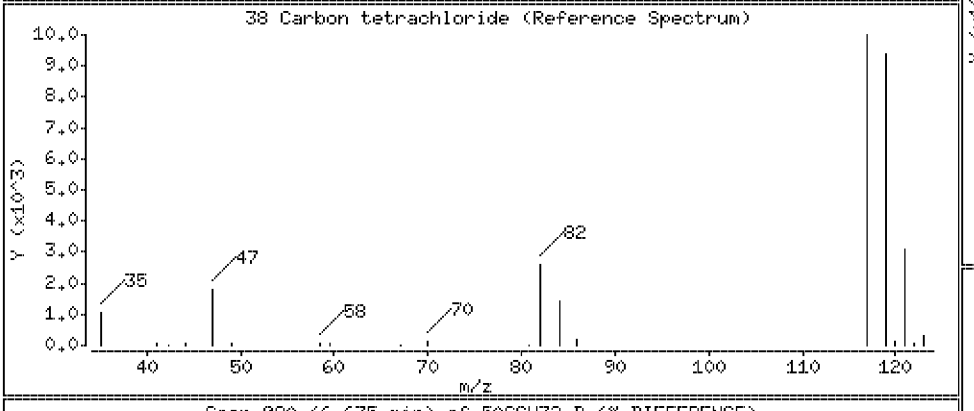
Column diameter: 0.18

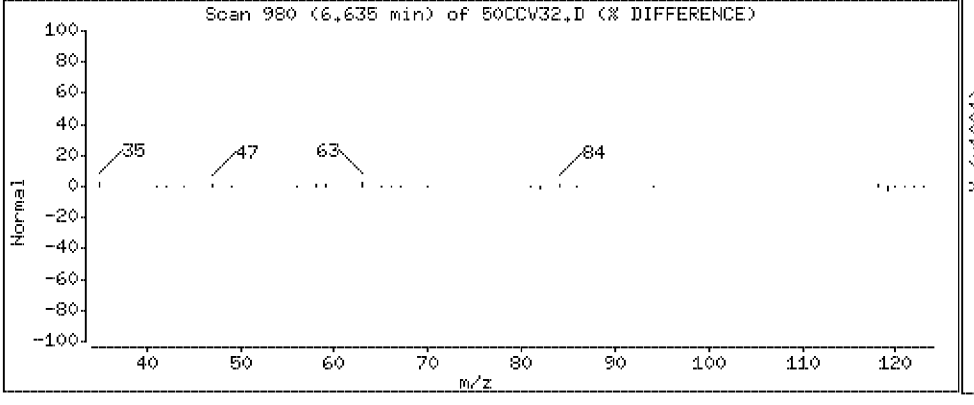
38 Carbon tetrachloride

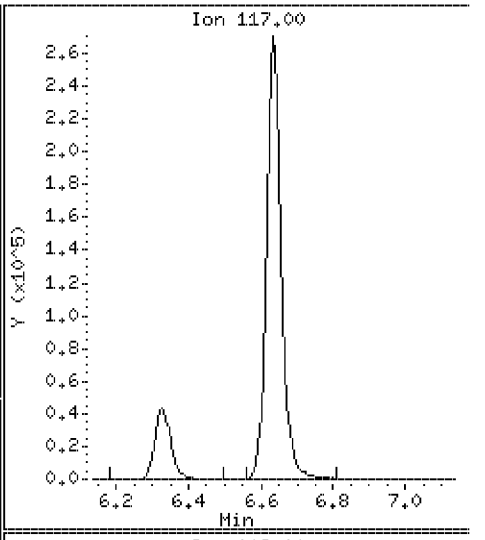
Concentration: 54.2 ug/l

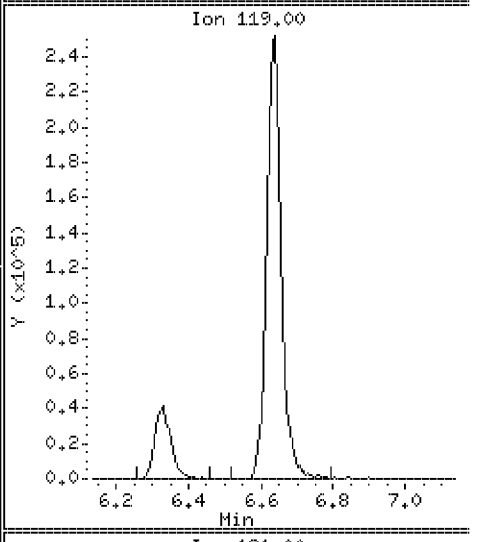


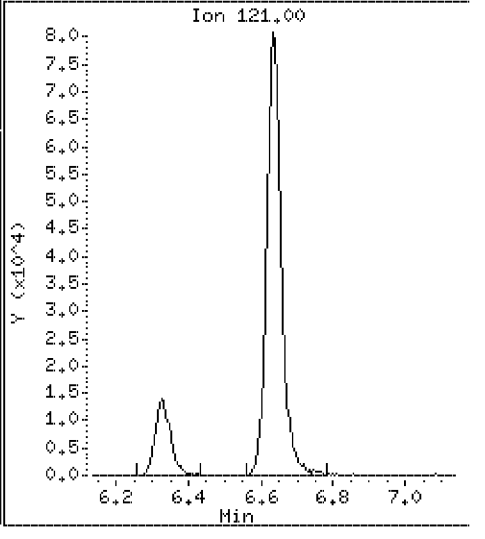












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

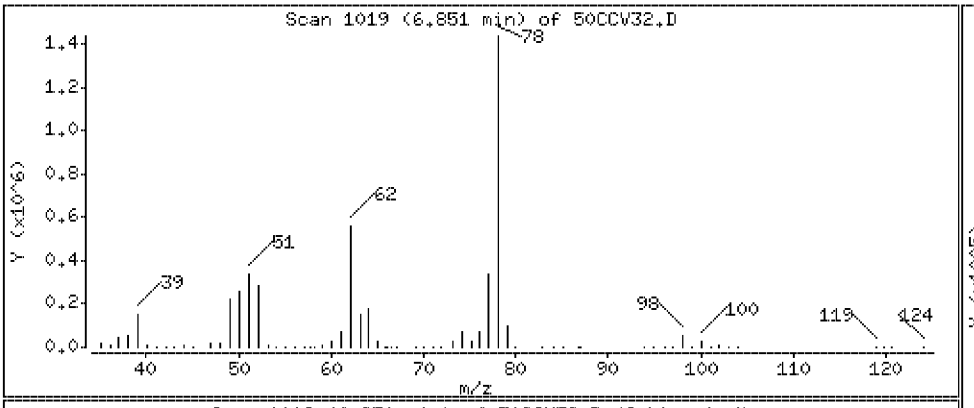
Client ID: 121709CCVA32 Instrument: vms03.i

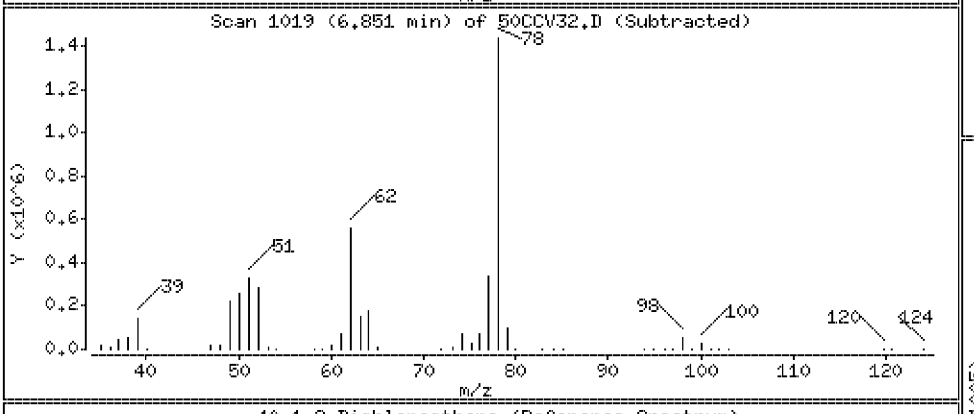
Sample Info: 121709CCVA32

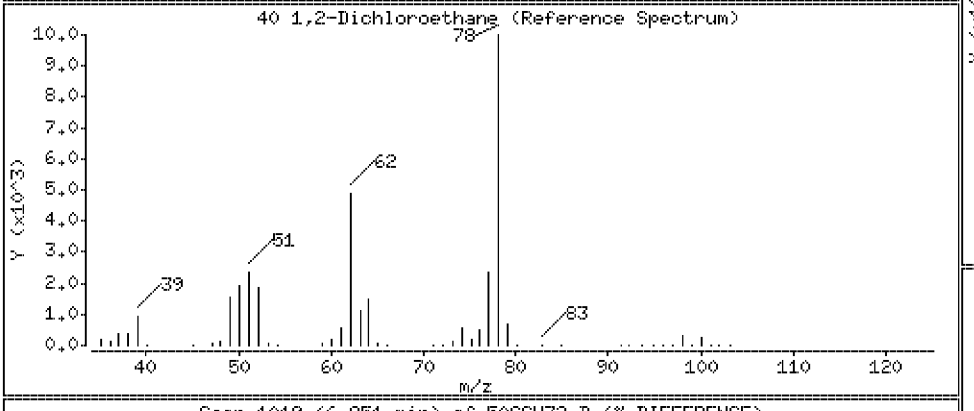
Purge Volume: 5.0 Operator:

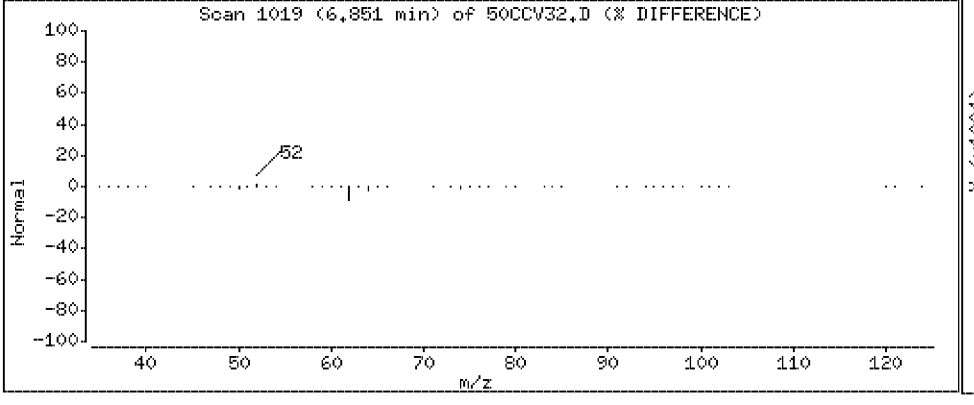
Column phase: DB-624 Column diameter: 0.18

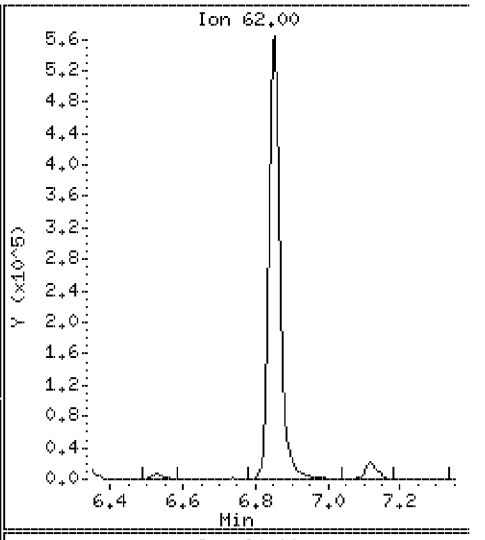
40 1,2-Dichloroethane Concentration: 51.0 ug/l

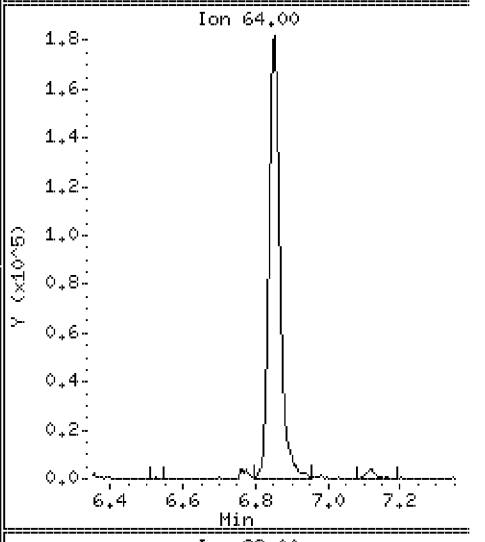


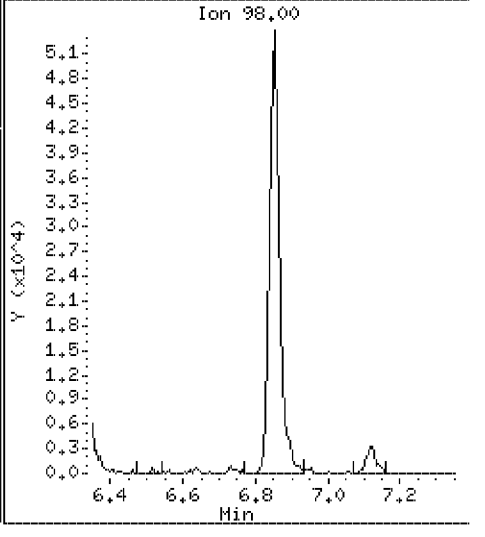












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

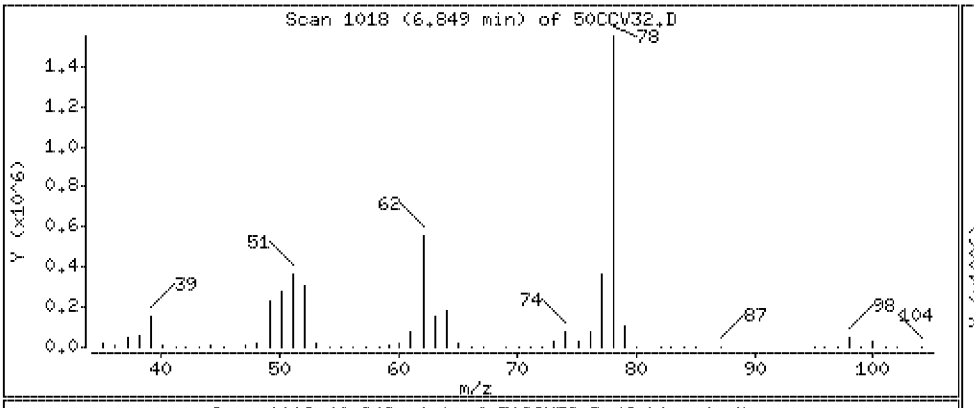
Operator:

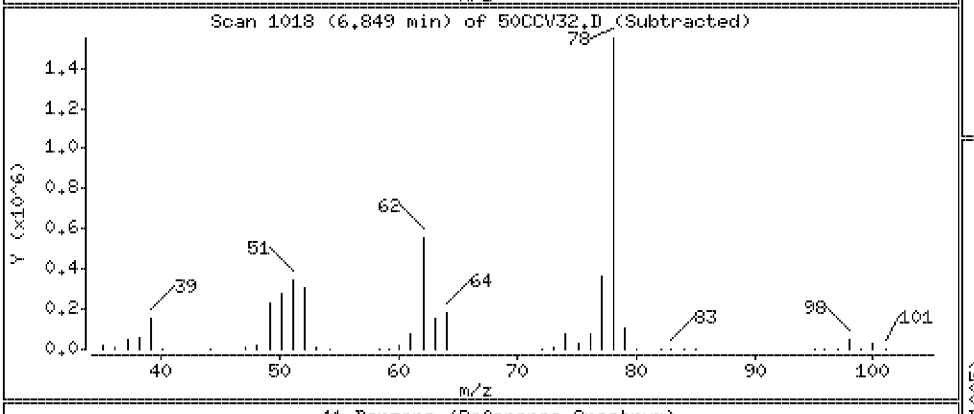
Column phase: DB-624

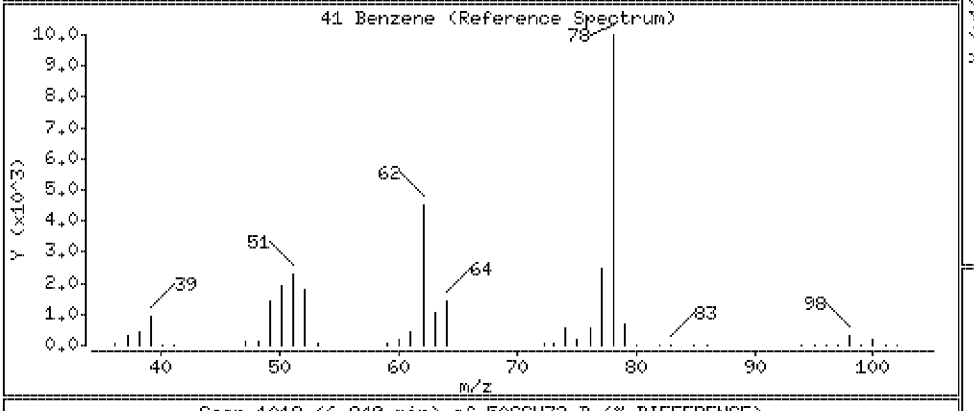
Column diameter: 0.18

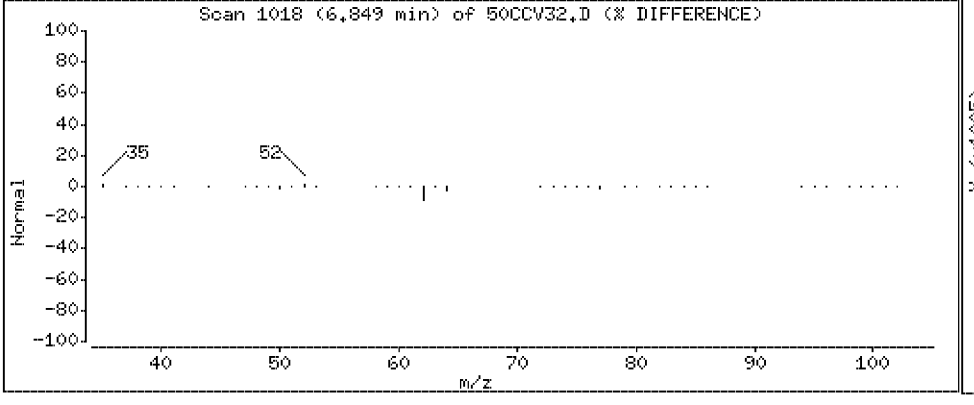
41 Benzene

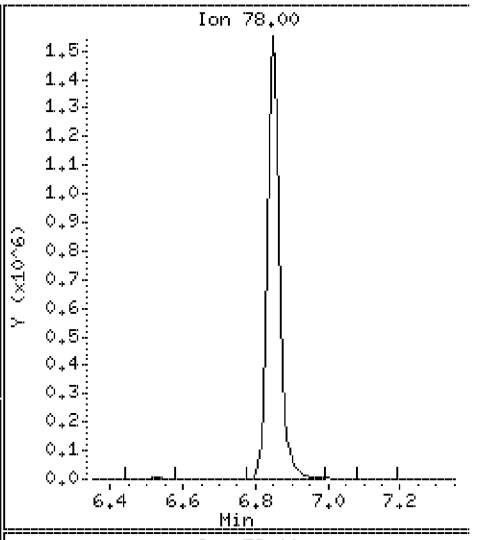
Concentration: 48.9 ug/l

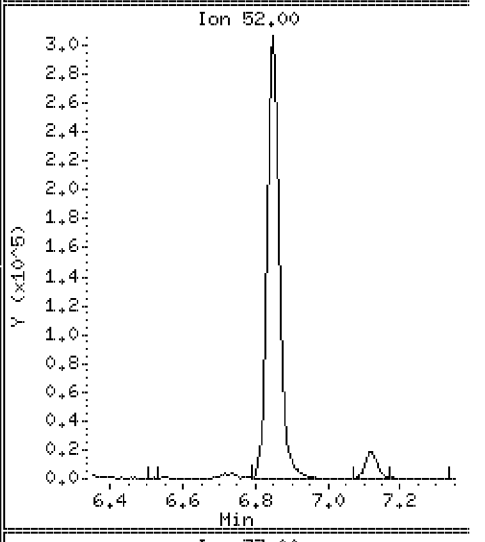


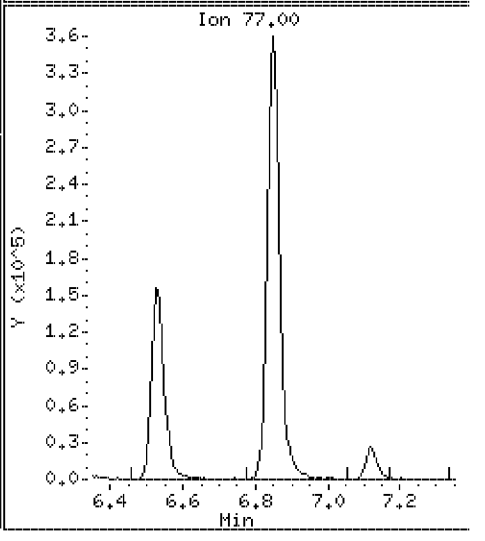












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

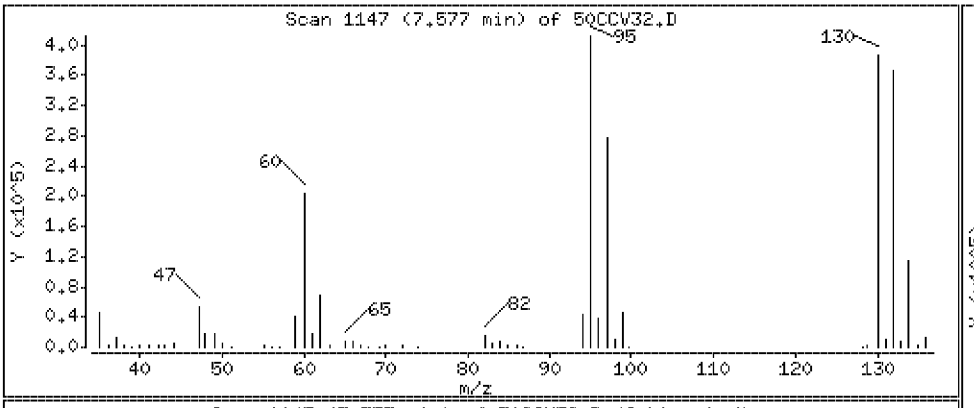
Operator:

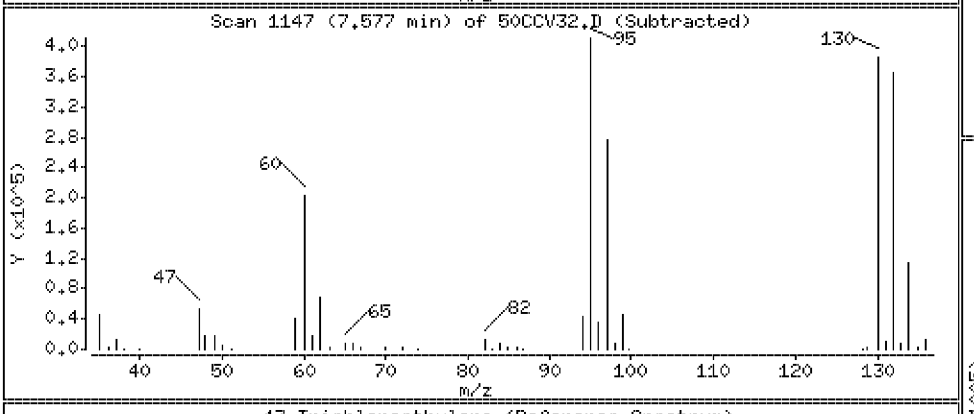
Column phase: DB-624

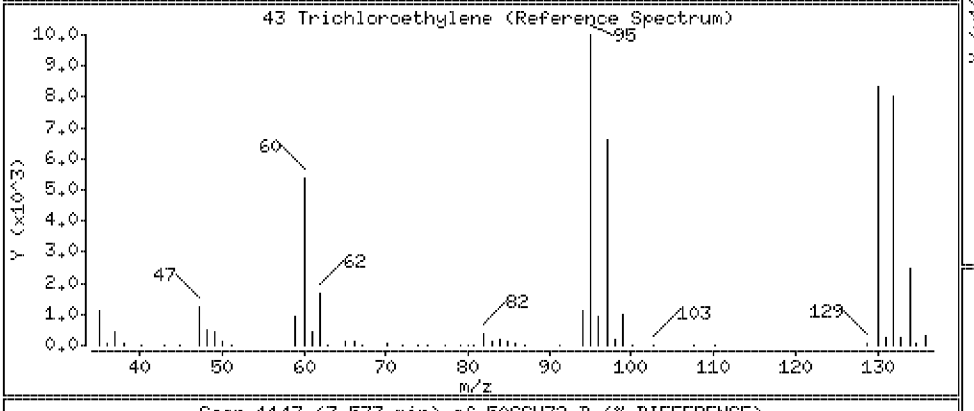
Column diameter: 0.18

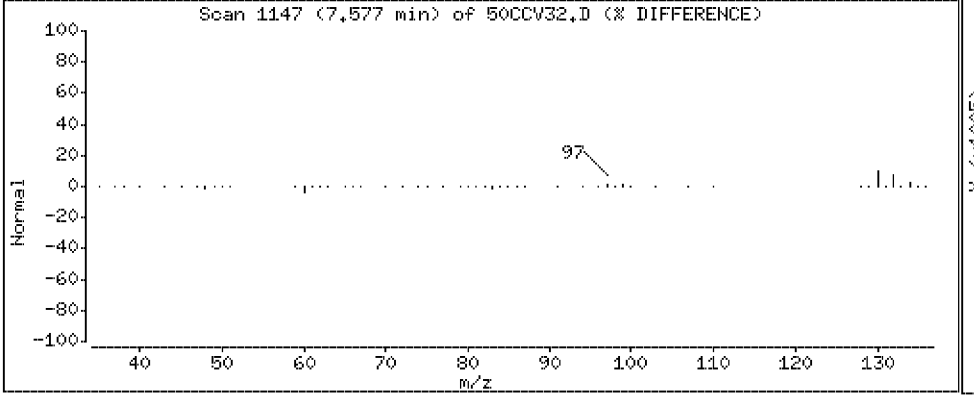
43 Trichloroethylene

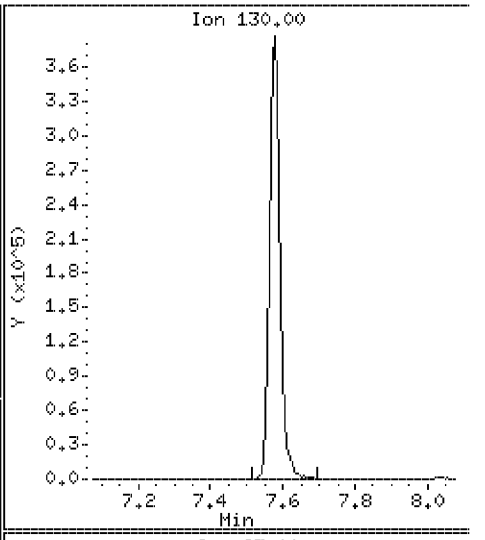
Concentration: 51.2 ug/l

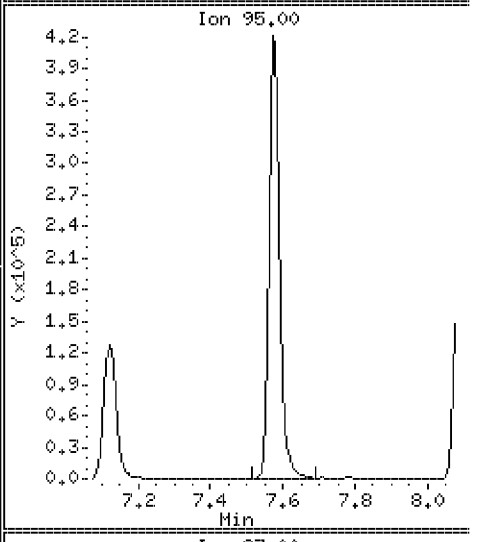


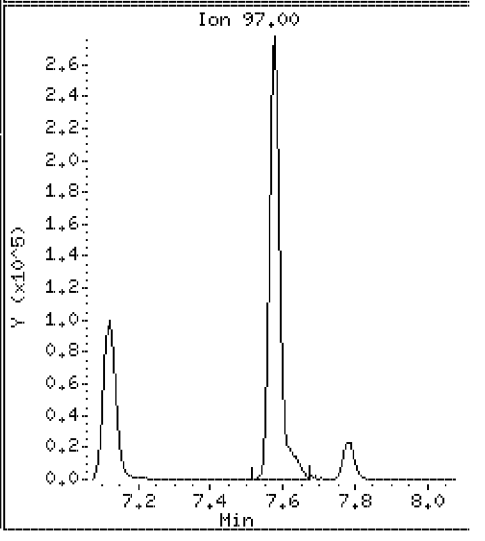












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

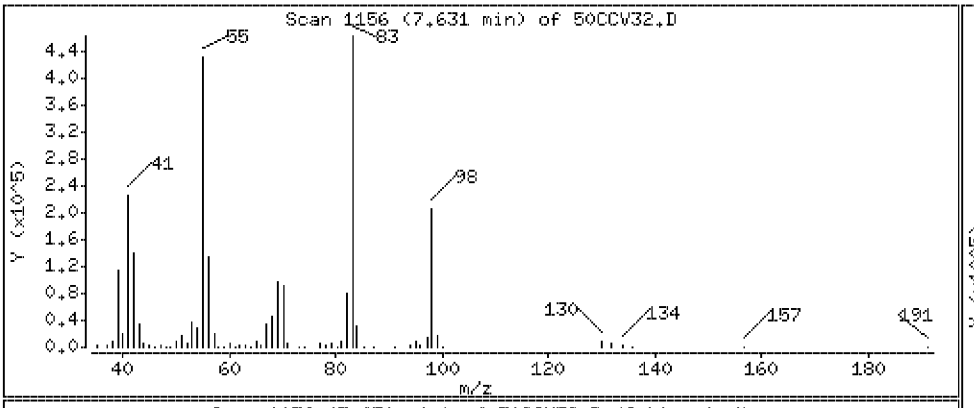
Operator:

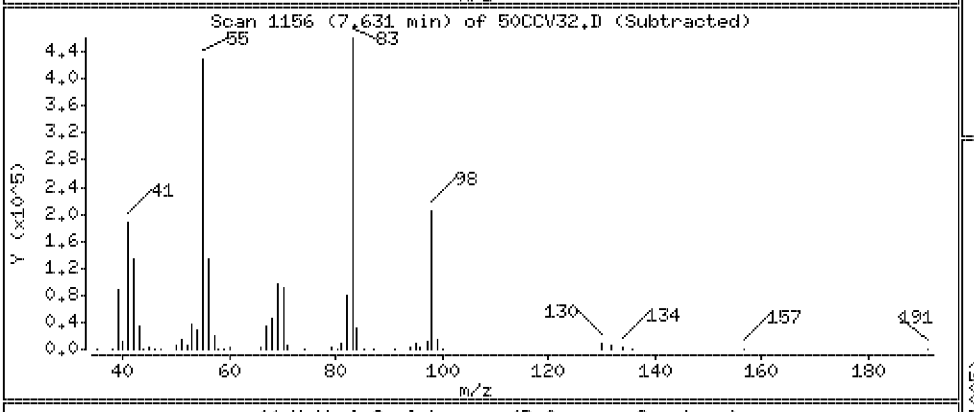
Column phase: DB-624

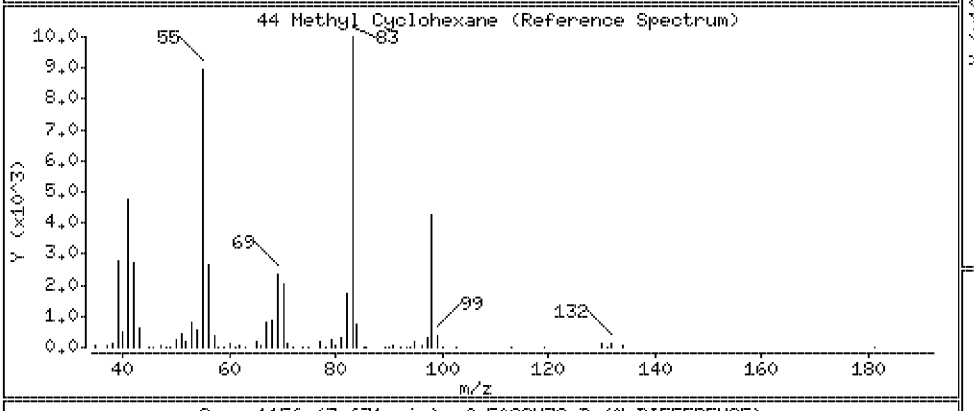
Column diameter: 0.18

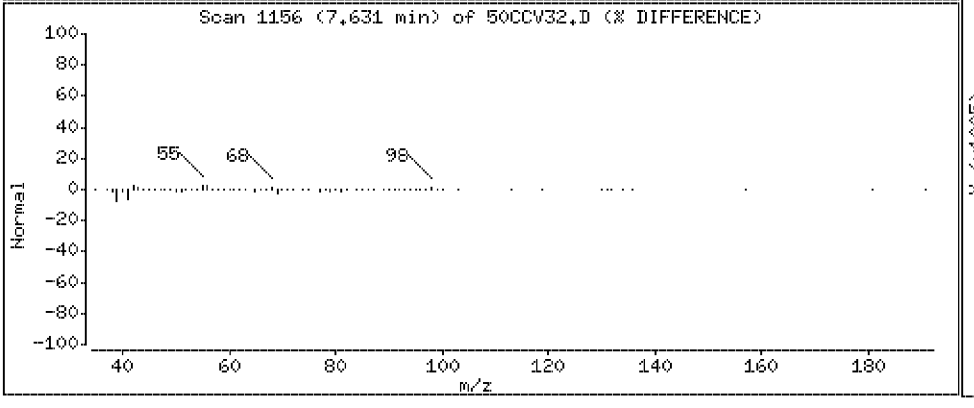
44 Methyl Cyclohexane

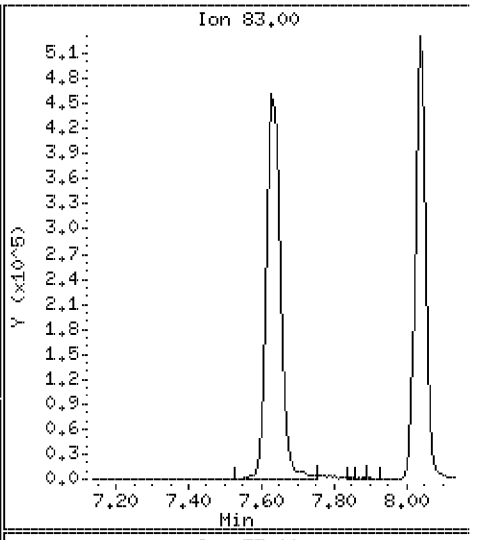
Concentration: 54.7 ug/l

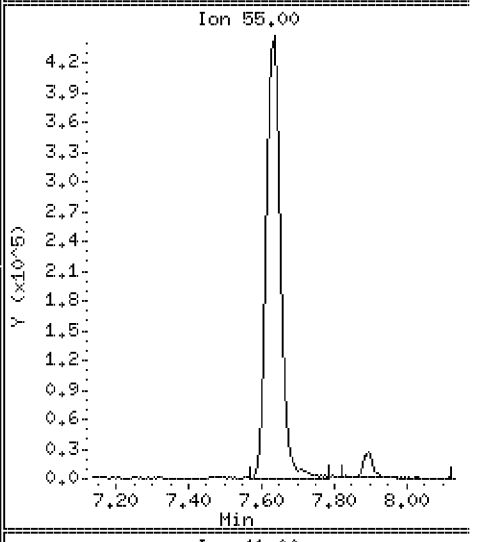


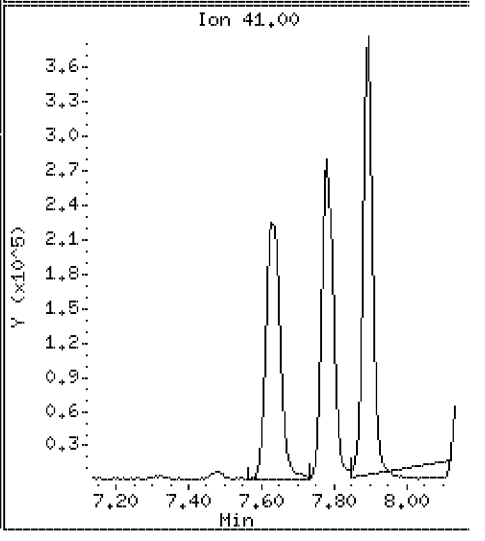












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

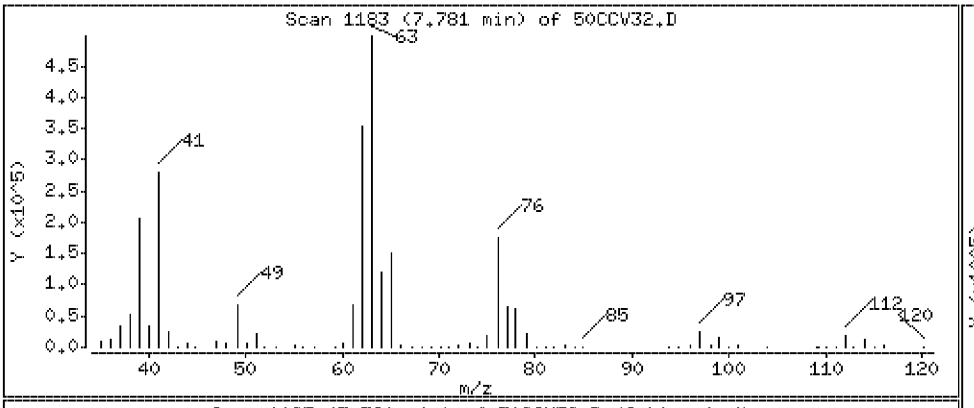
Client ID: 121709CCVA32 Instrument: vms03.i

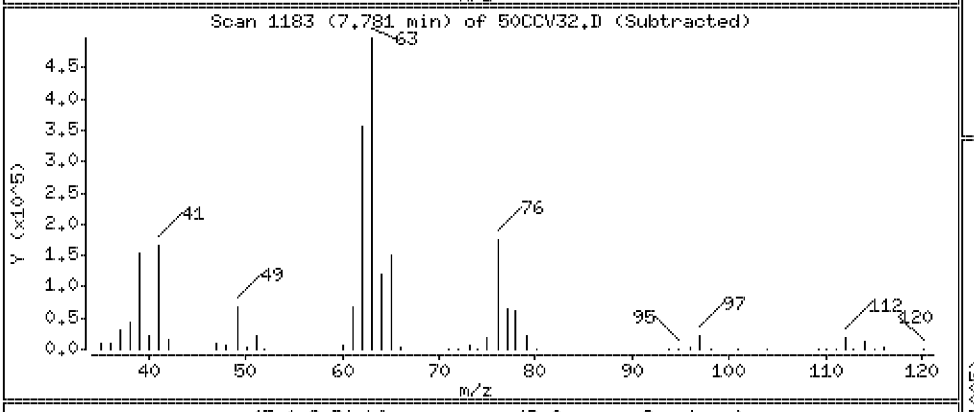
Sample Info: 121709CCVA32

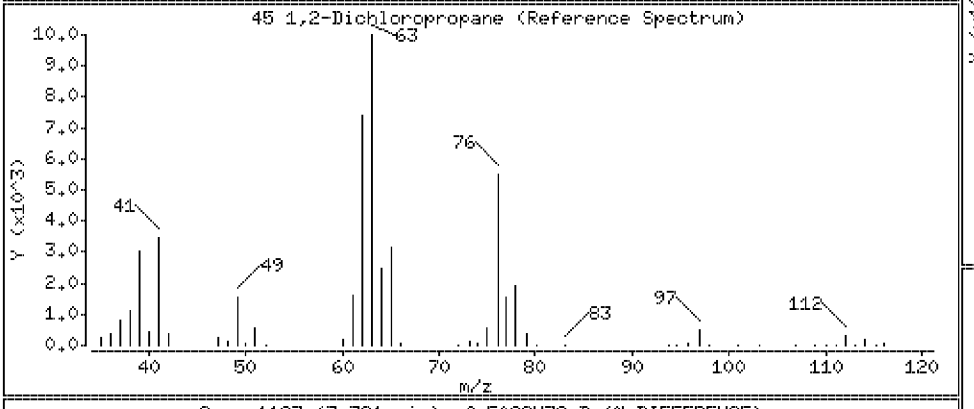
Purge Volume: 5.0 Operator:

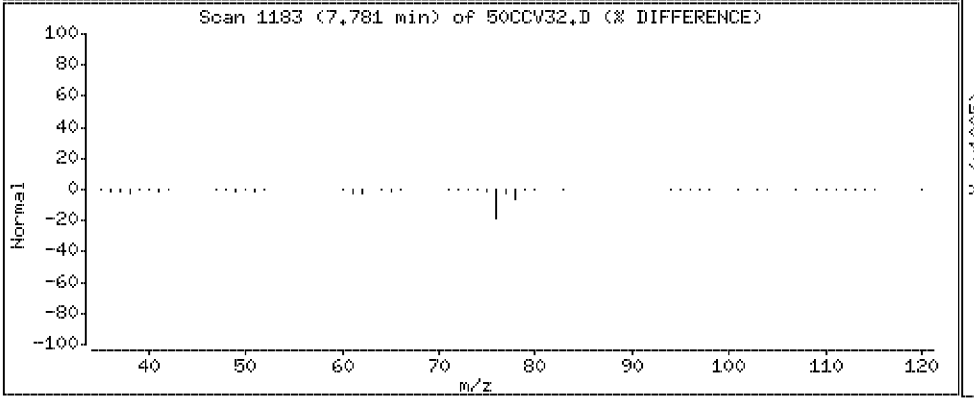
Column phase: DB-624 Column diameter: 0.18

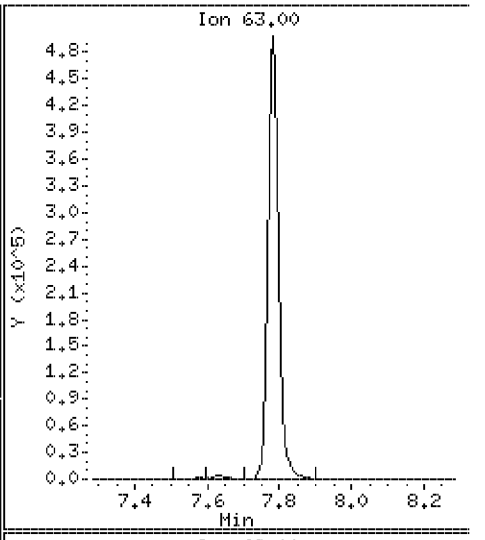
45 1,2-Dichloropropane Concentration: 50.5 ug/l

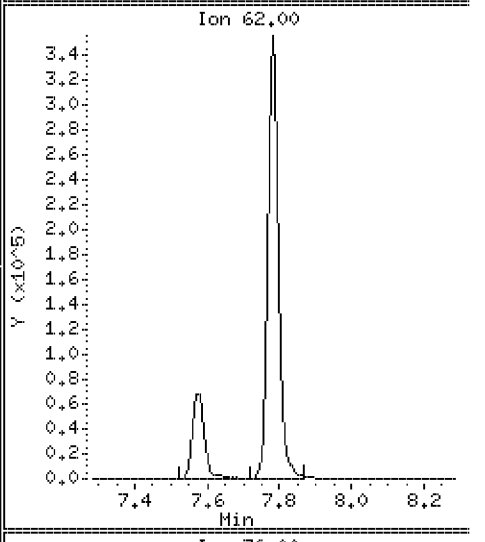


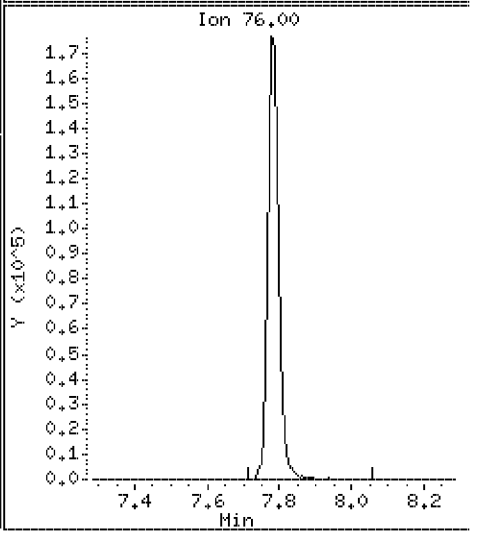












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

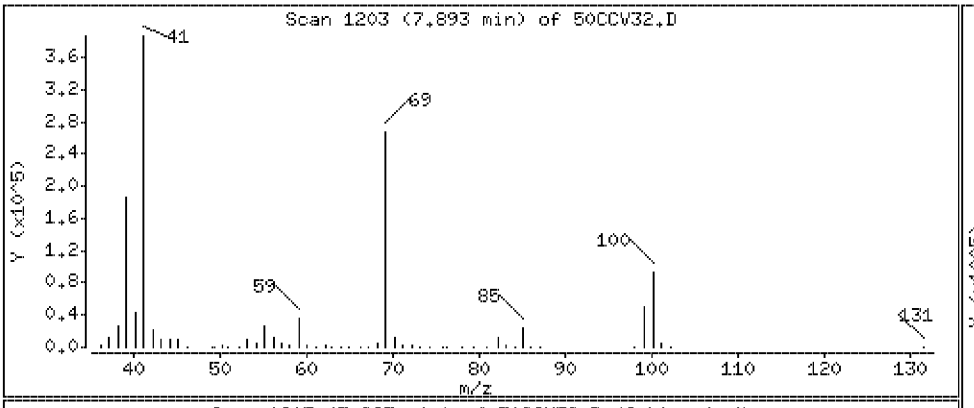
Operator:

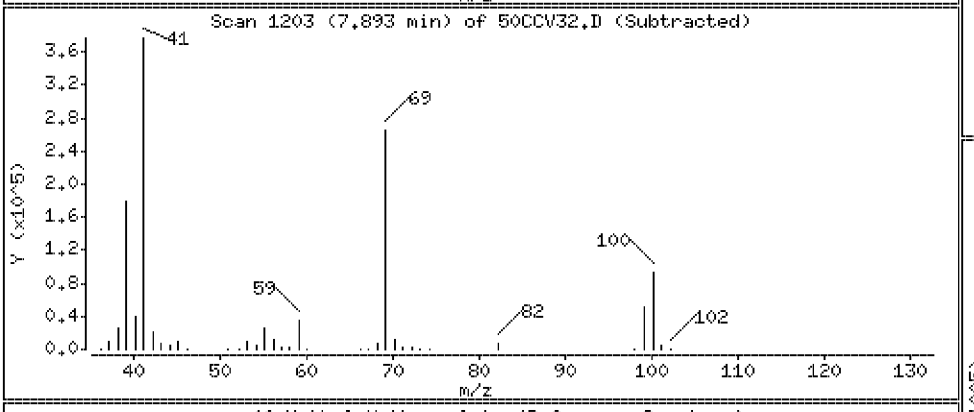
Column phase: DB-624

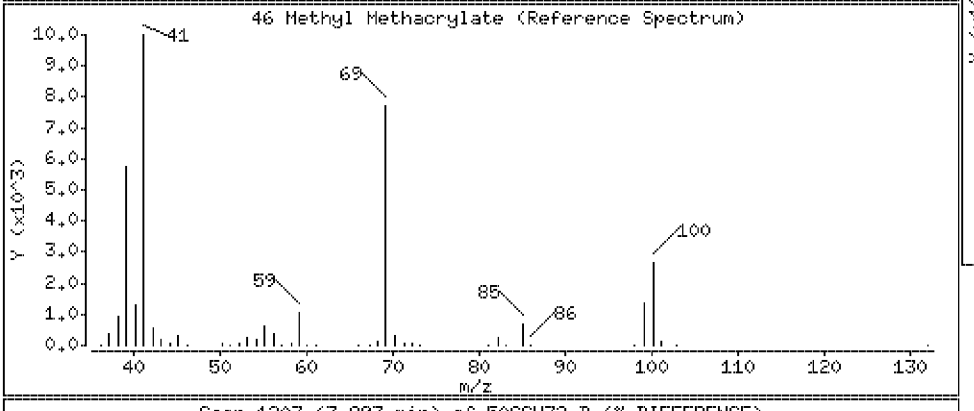
Column diameter: 0.18

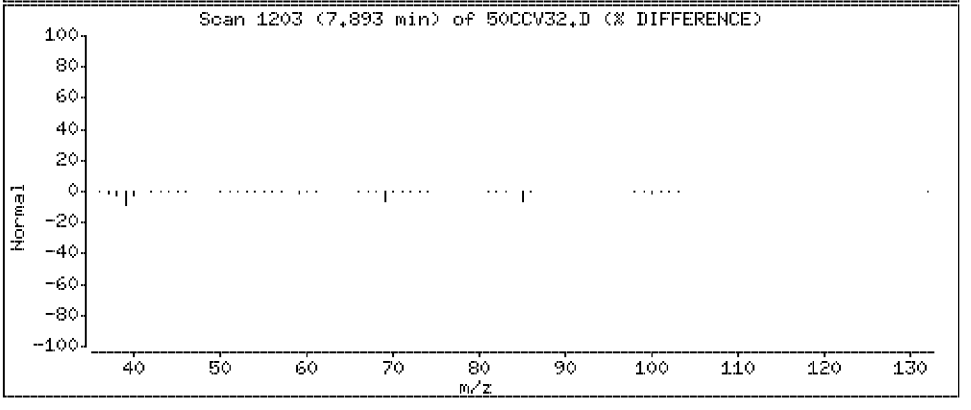
46 Methyl Methacrylate

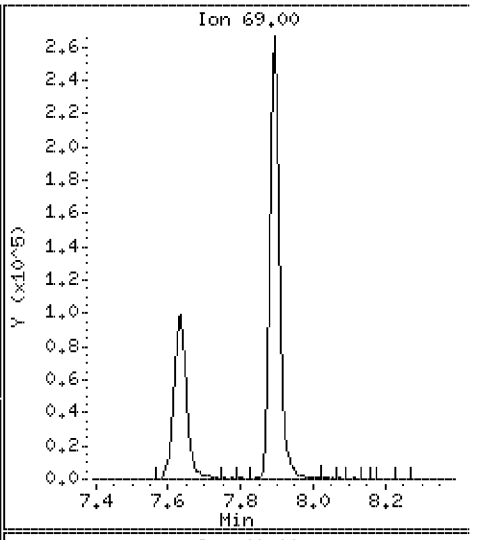
Concentration: 51.7 ug/l

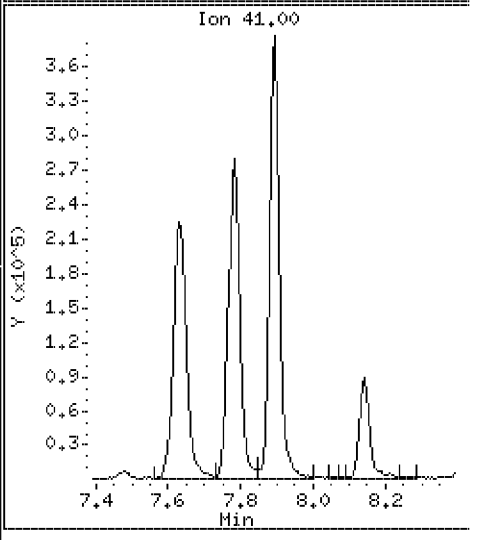












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

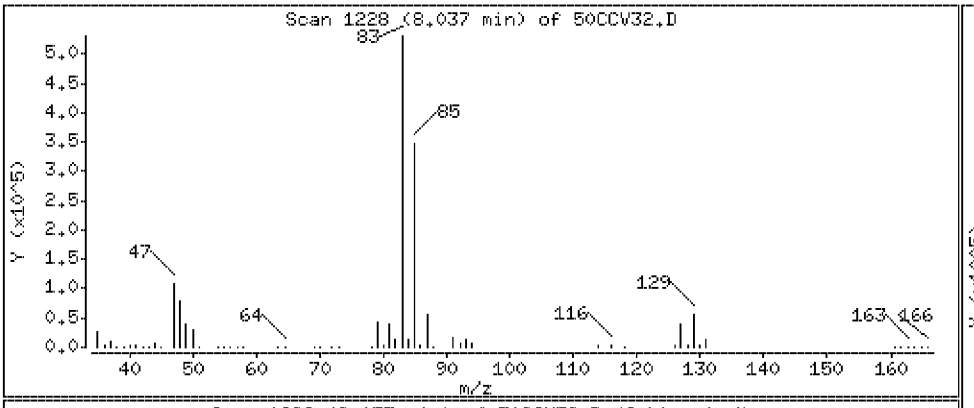
Client ID: 121709CCVA32 | Instrument: vms03.i

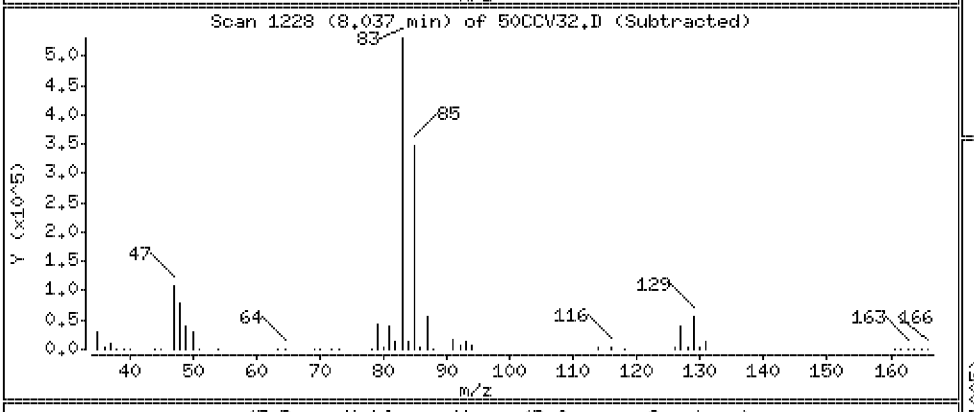
Sample Info: 121709CCVA32

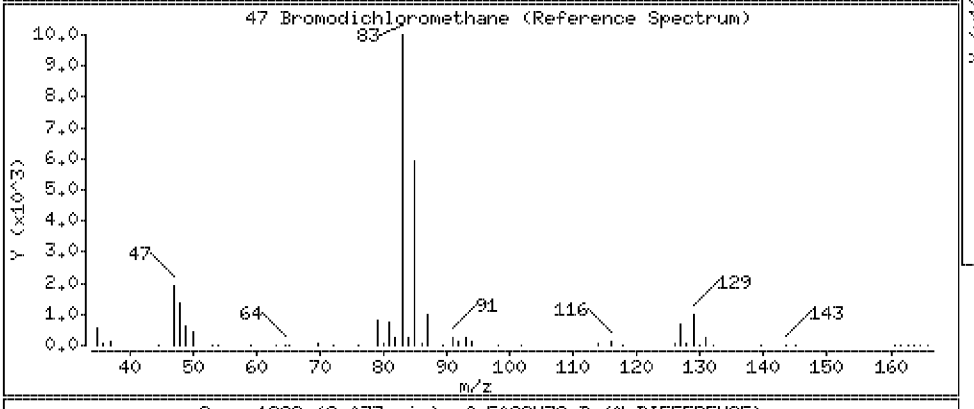
Purge Volume: 5.0 | Operator:

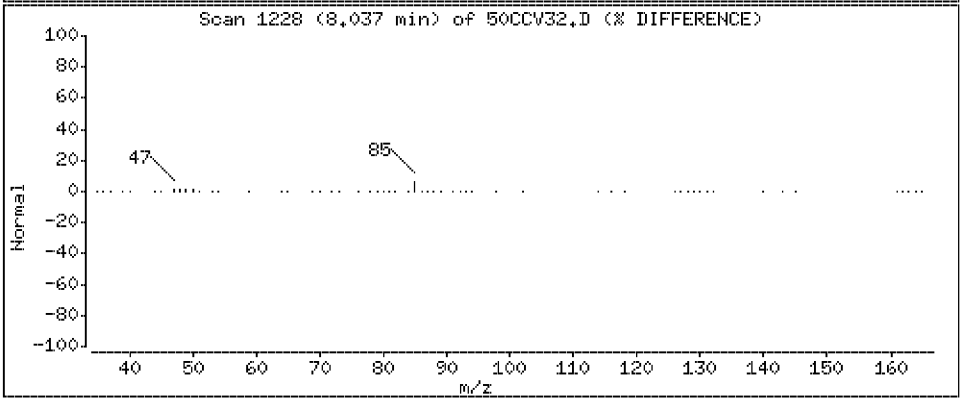
Column phase: DB-624 | Column diameter: 0.18

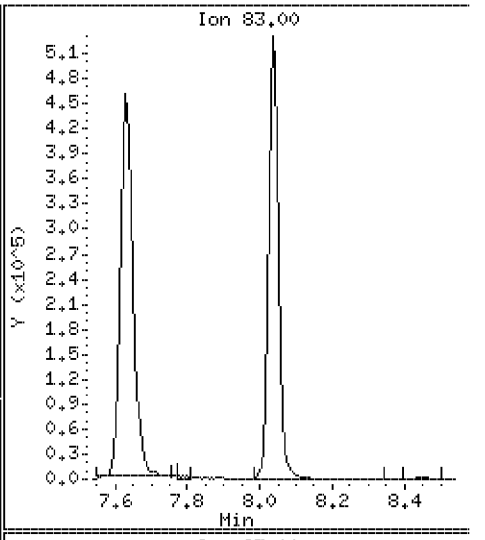
47 Bromodichloromethane | Concentration: 52.7 ug/l

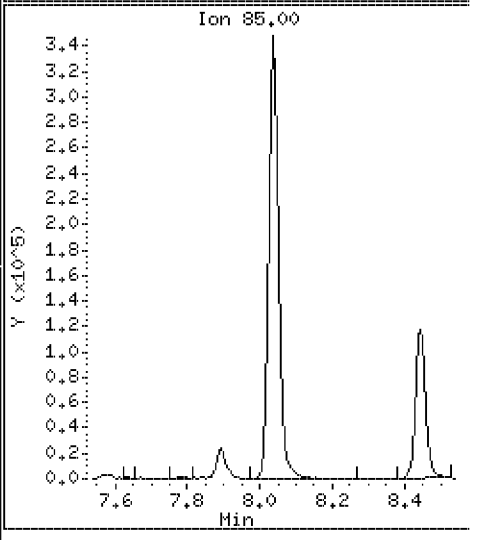












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

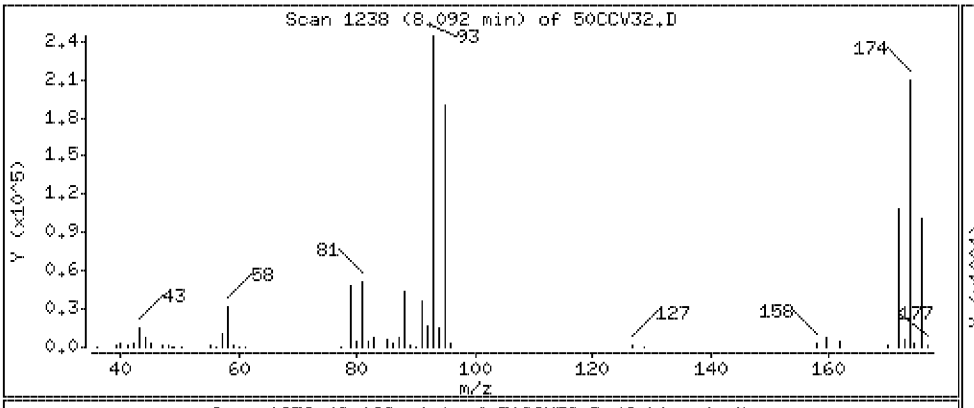
Operator:

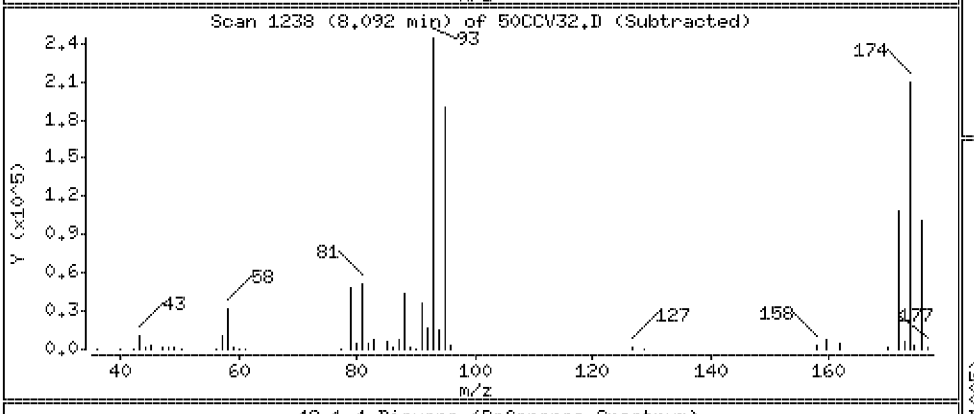
Column phase: DB-624

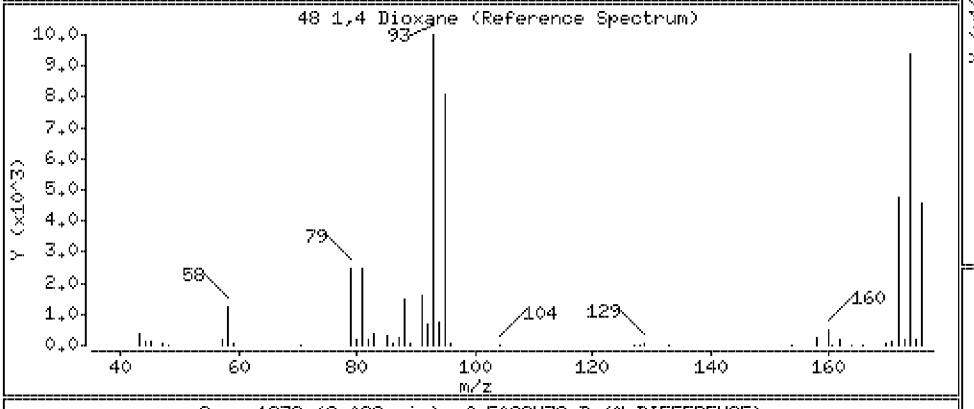
Column diameter: 0.18

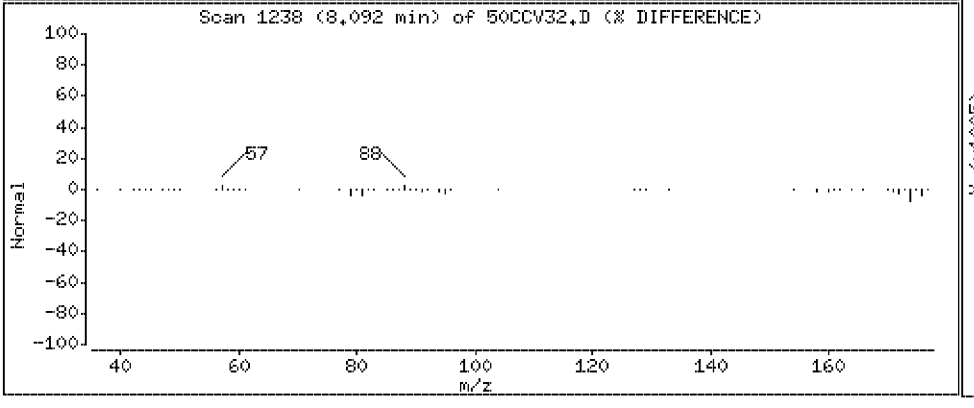
48 1,4 Dioxane

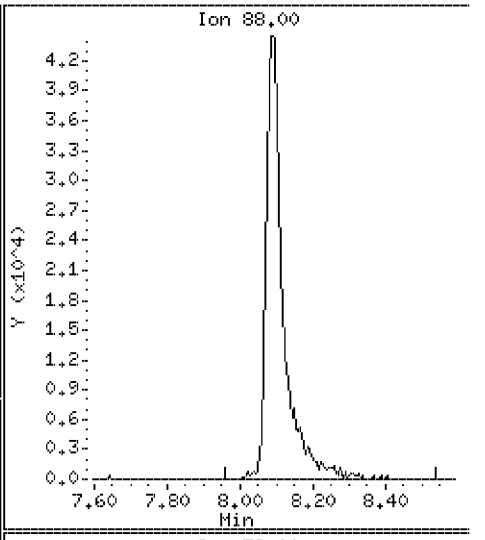
Concentration: 1500 ug/l

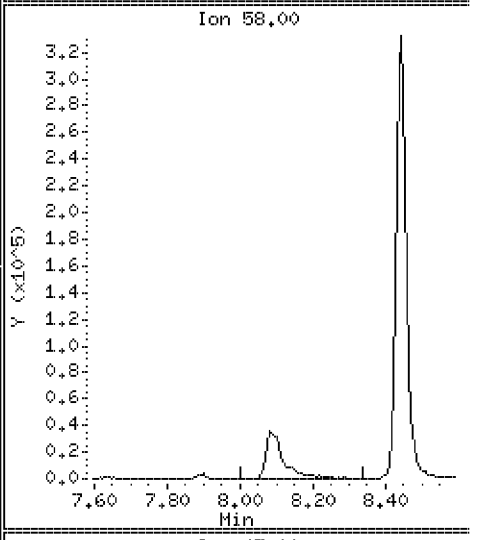


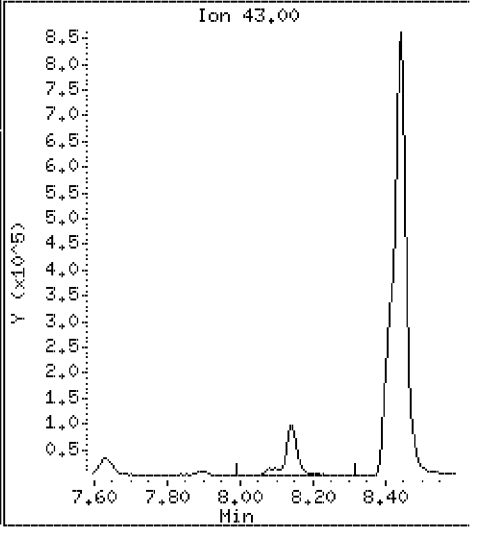












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

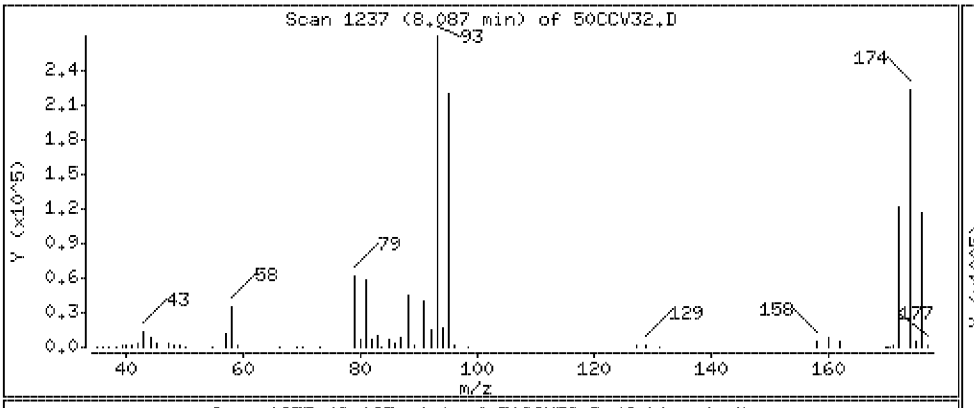
Operator:

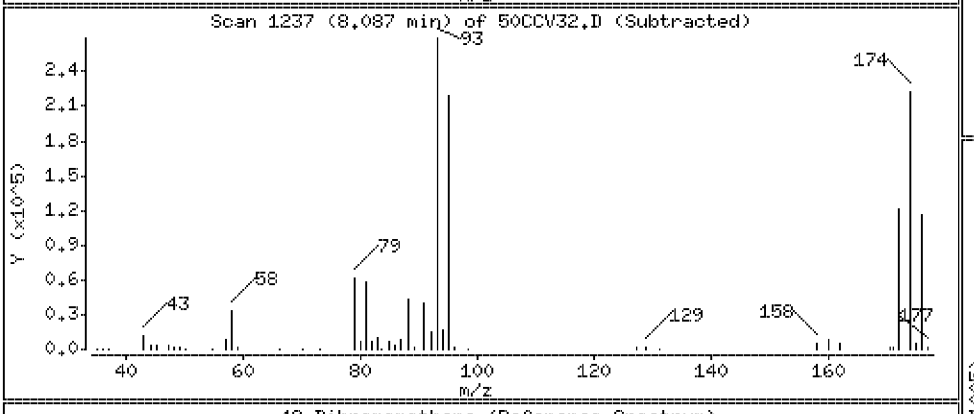
Column phase: DB-624

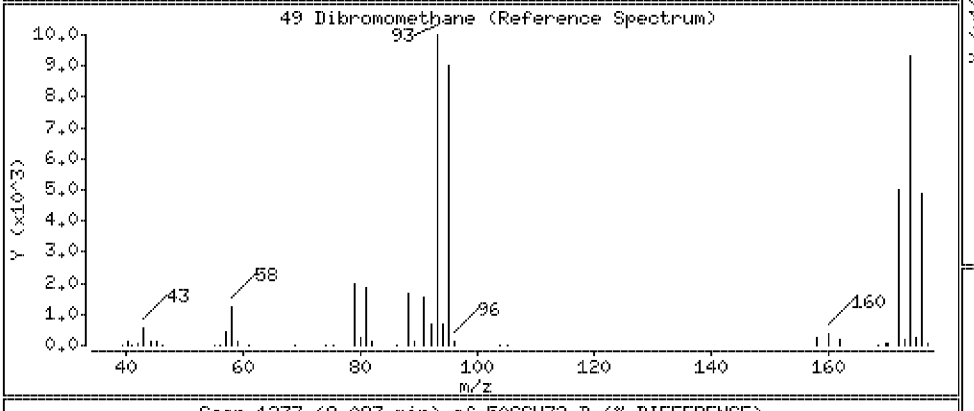
Column diameter: 0.18

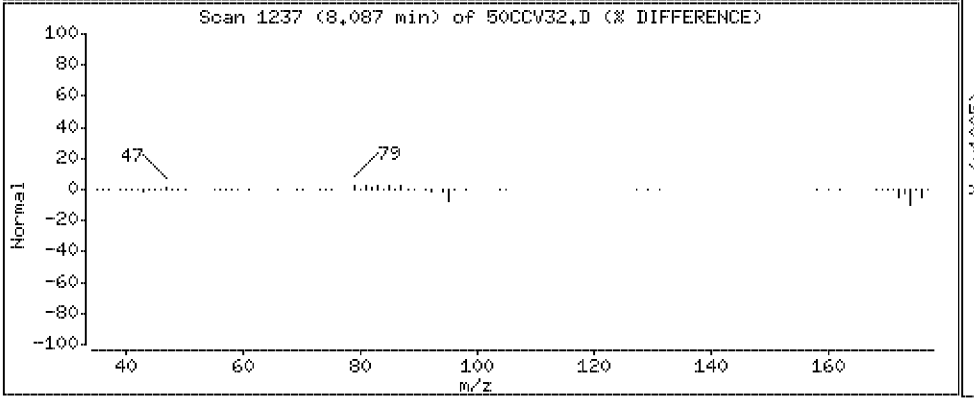
49 Dibromomethane

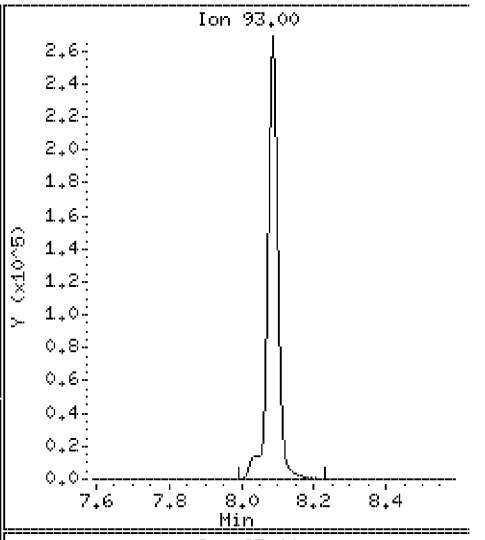
Concentration: 55.5 ug/l

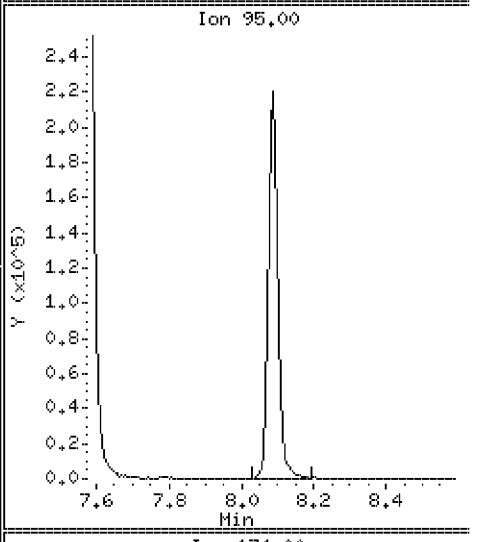


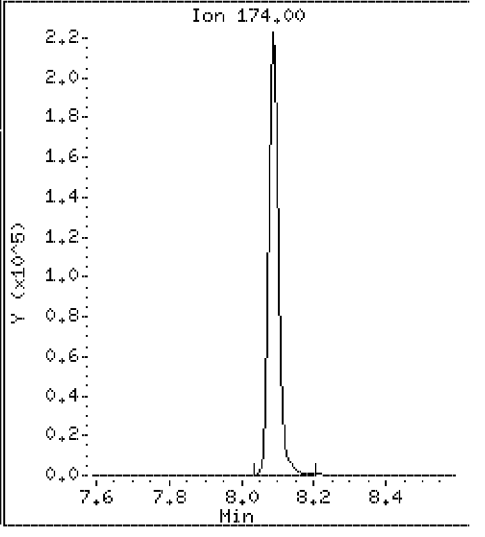












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

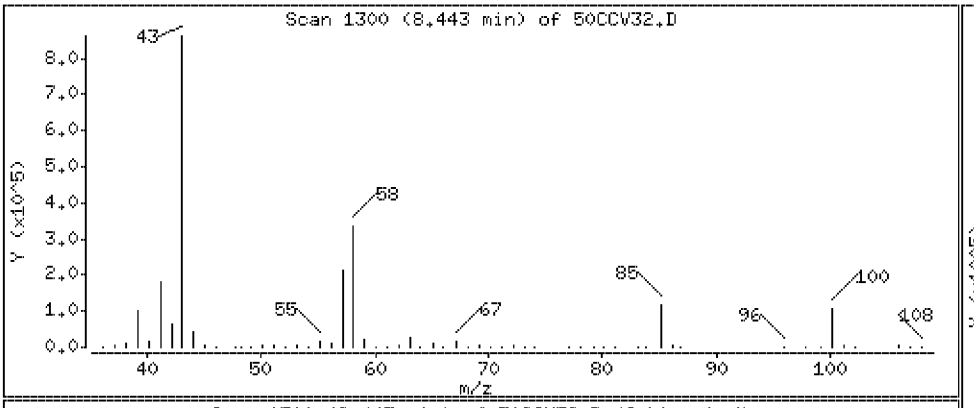
Operator:

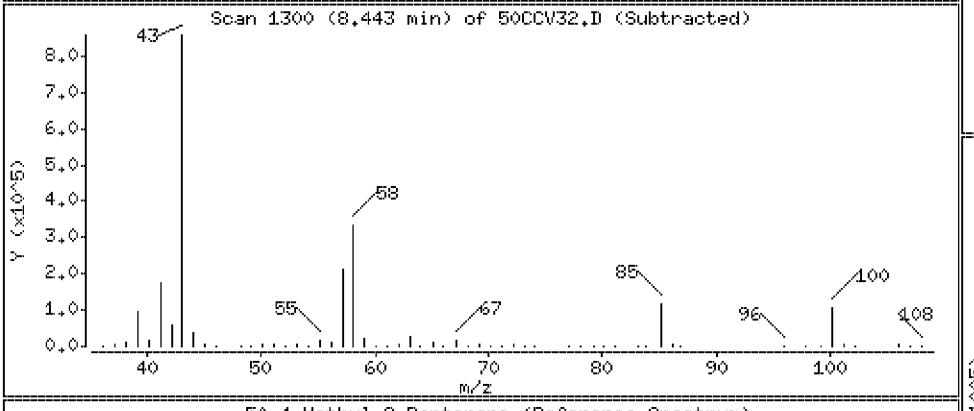
Column phase: DB-624

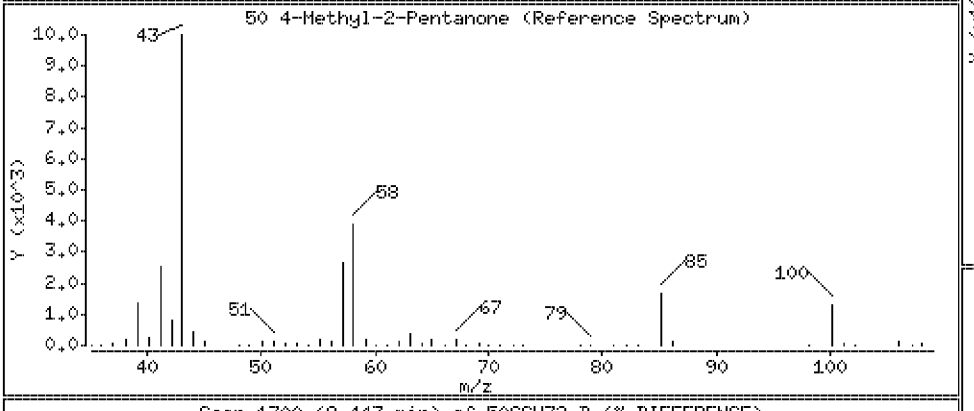
Column diameter: 0.18

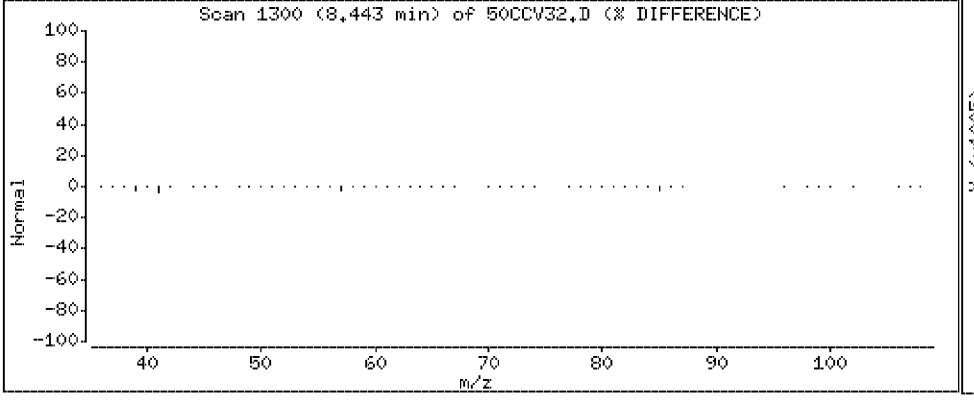
50 4-Methyl-2-Pentanone

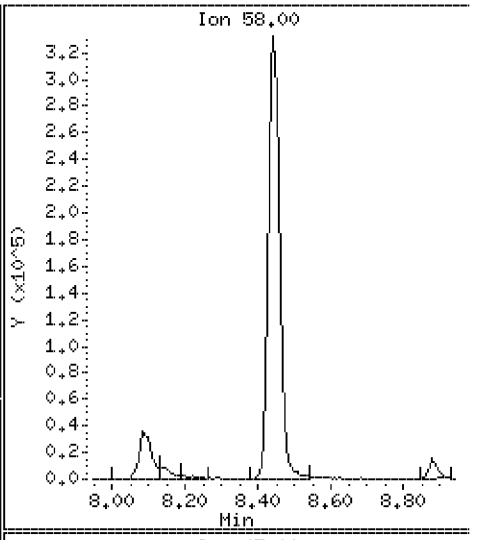
Concentration: 109 ug/l

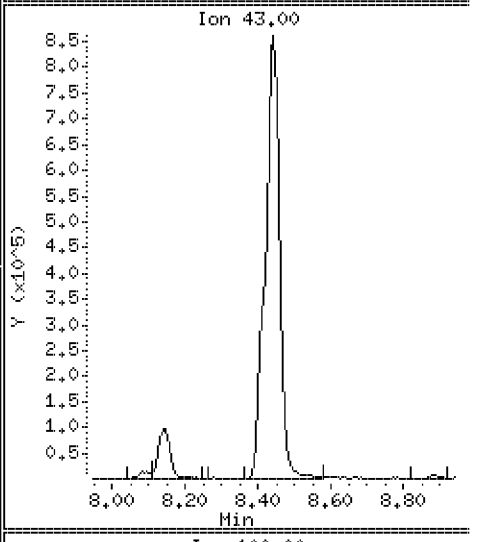


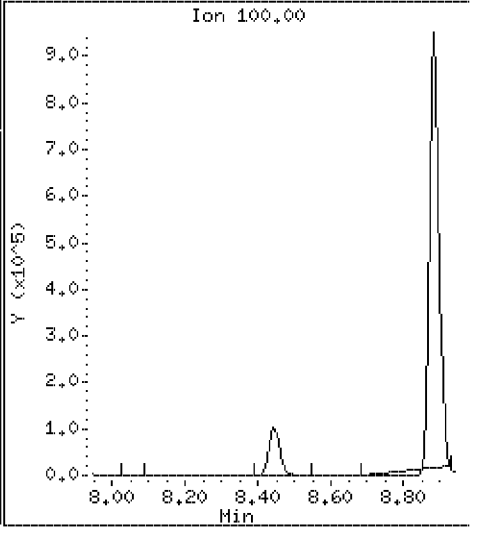












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

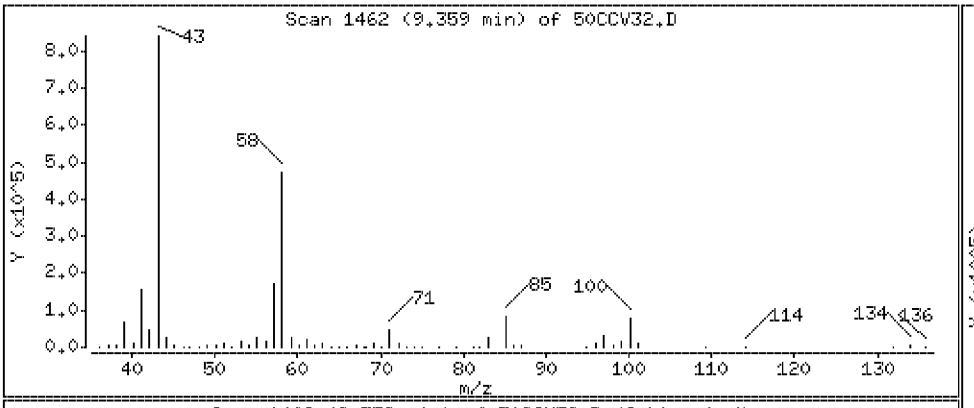
Client ID: 121709CCVA32 | Instrument: vms03.i

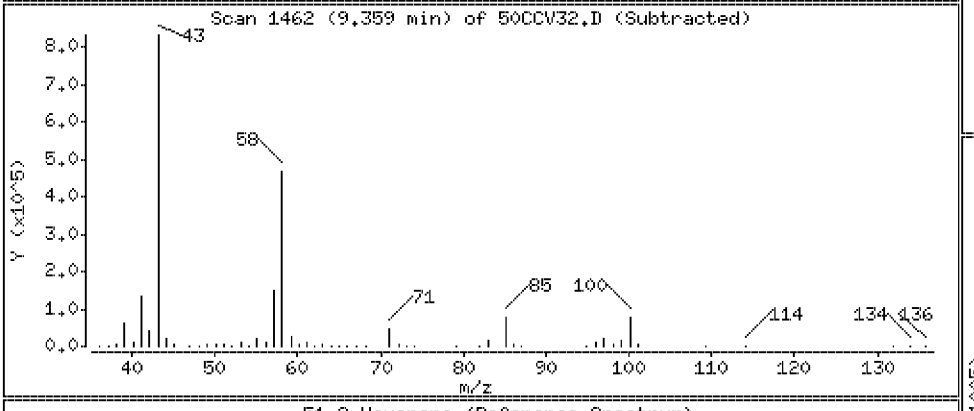
Sample Info: 121709CCVA32

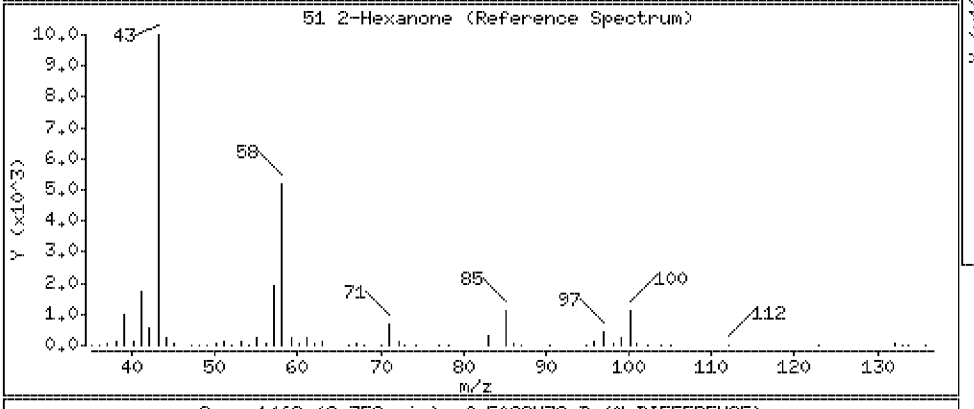
Purge Volume: 5.0 | Operator:

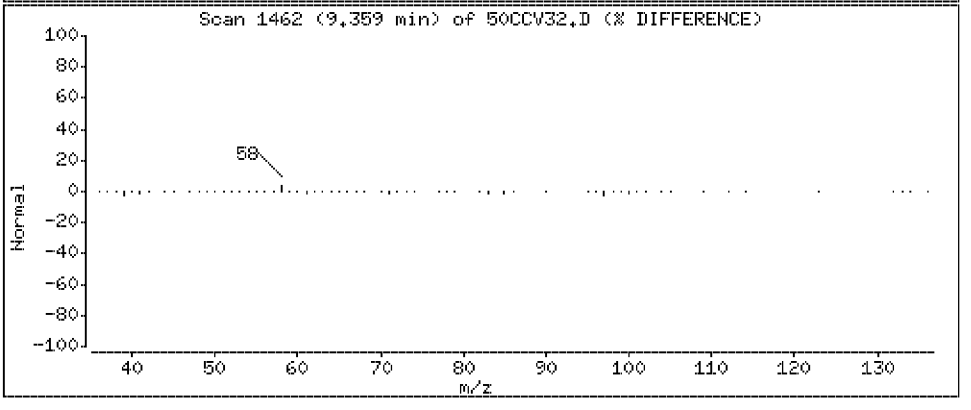
Column phase: DB-624 | Column diameter: 0.18

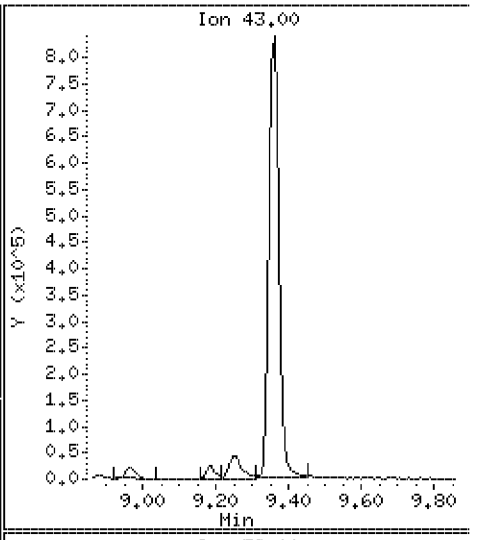
51 2-Hexanone | Concentration: 114 ug/l

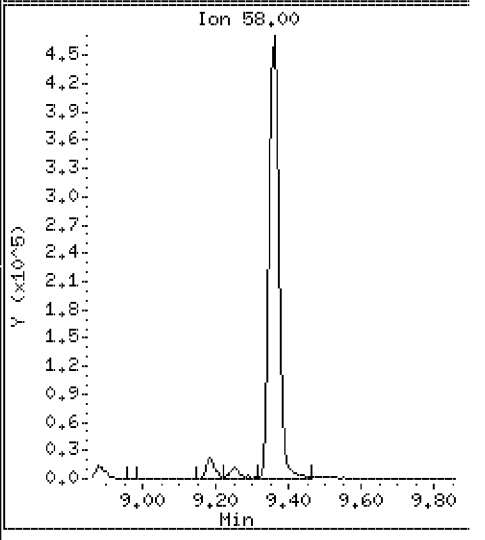












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

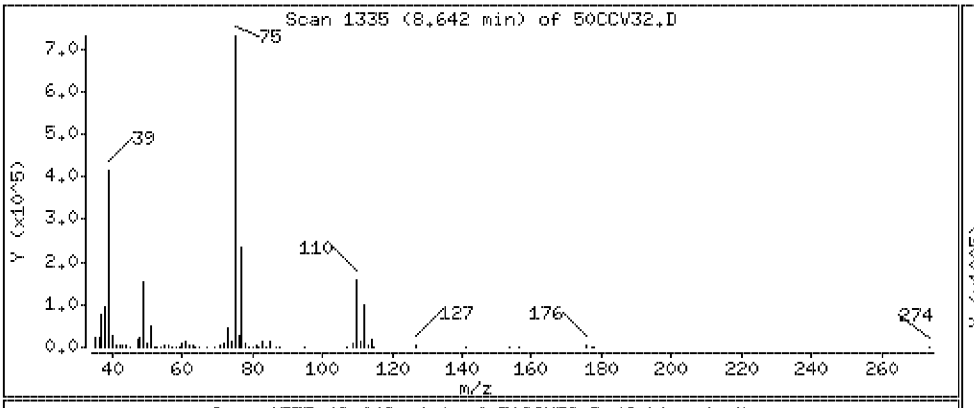
Operator:

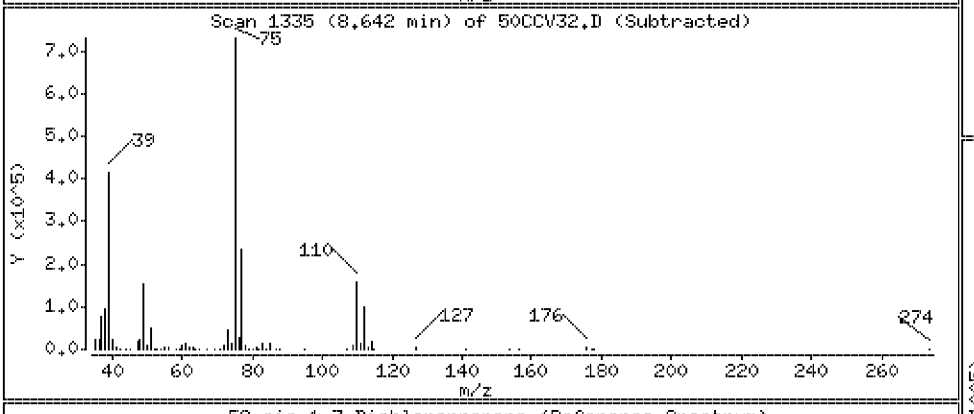
Column phase: DB-624

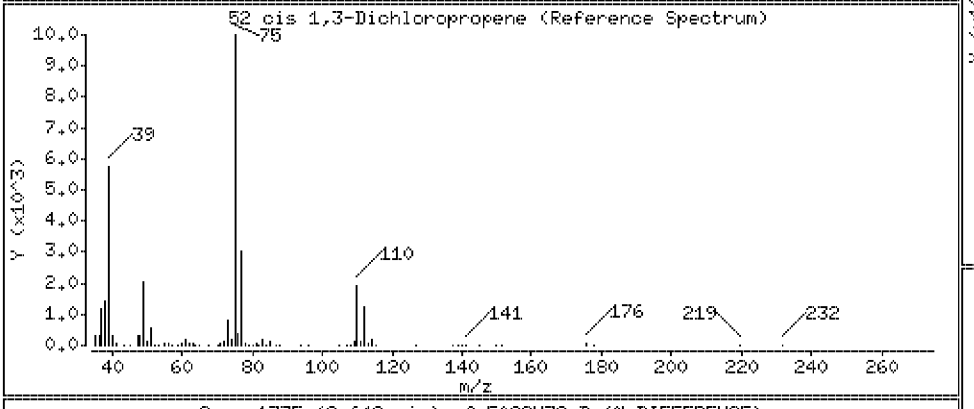
Column diameter: 0.18

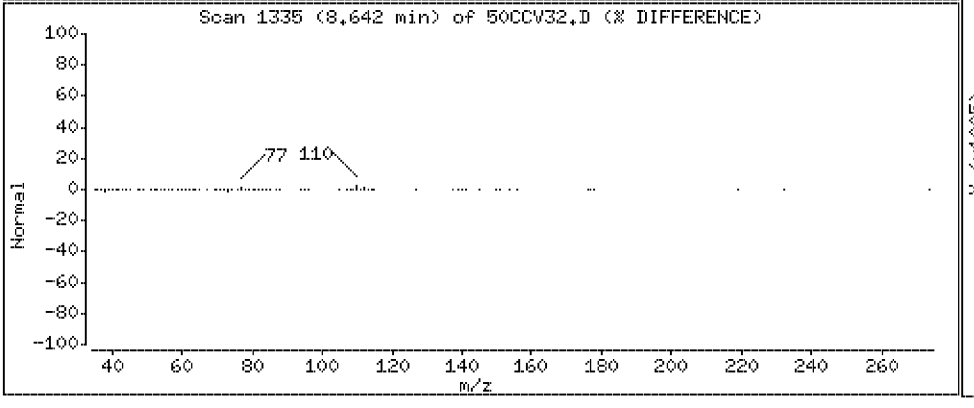
52 cis 1,3-Dichloropropene

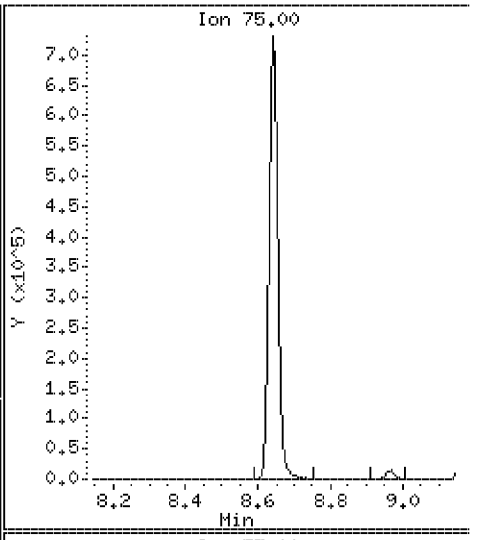
Concentration: 52.5 ug/l

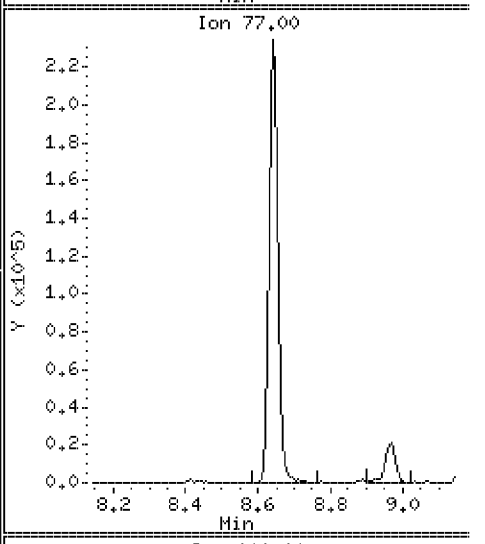


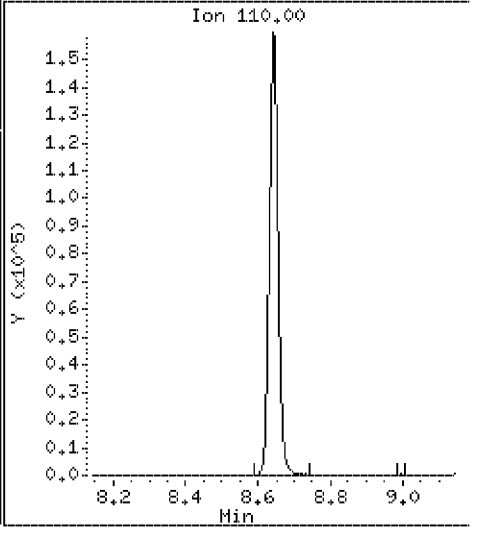












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

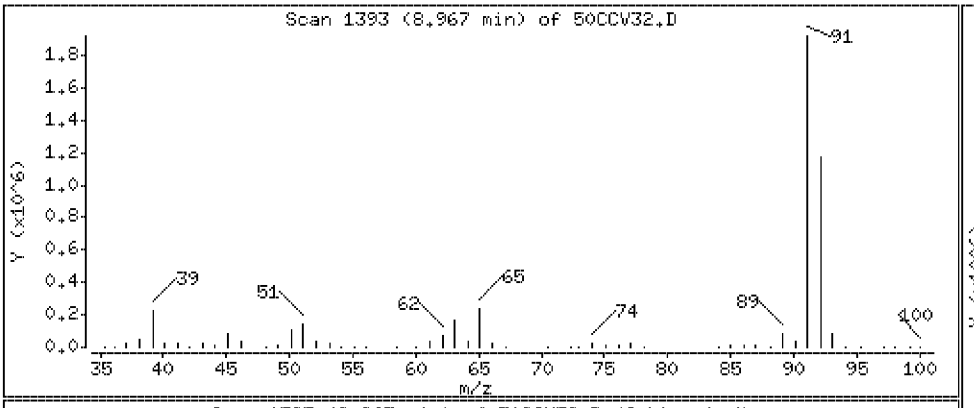
Operator:

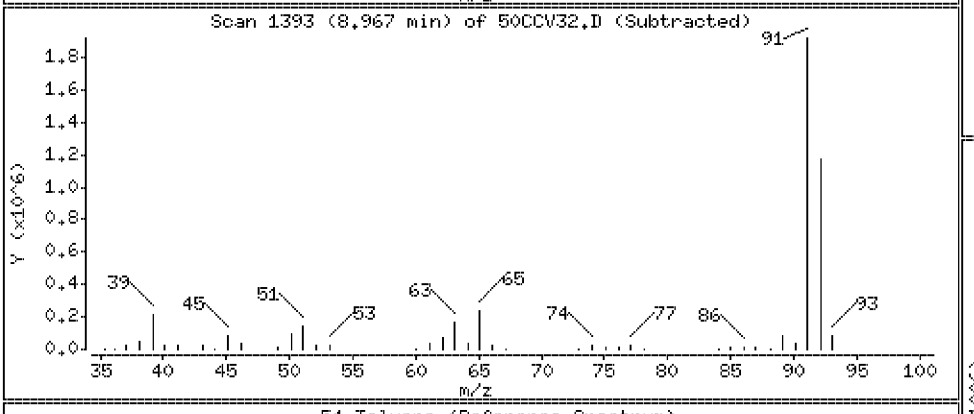
Column phase: DB-624

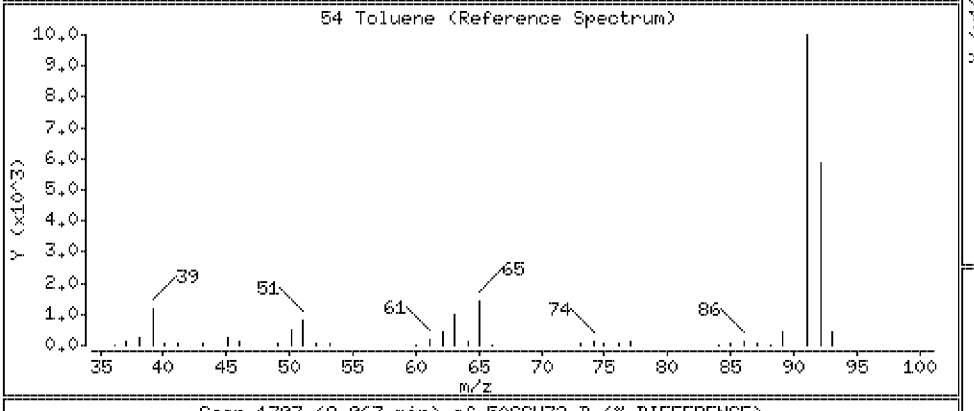
Column diameter: 0.18

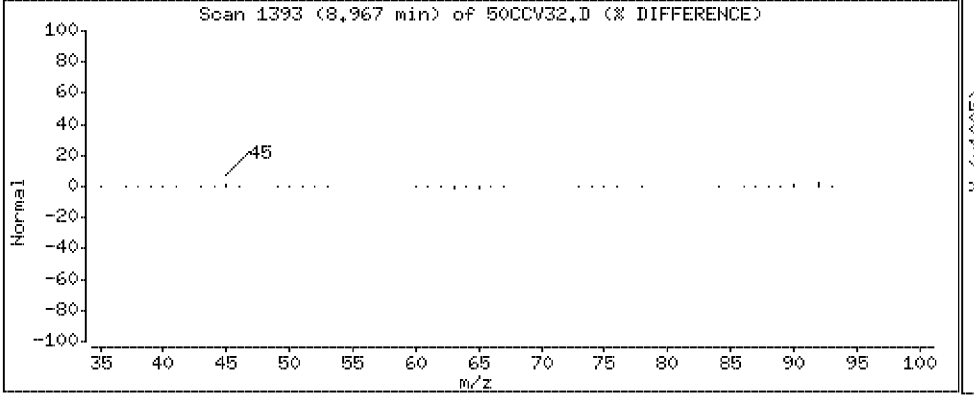
54 Toluene

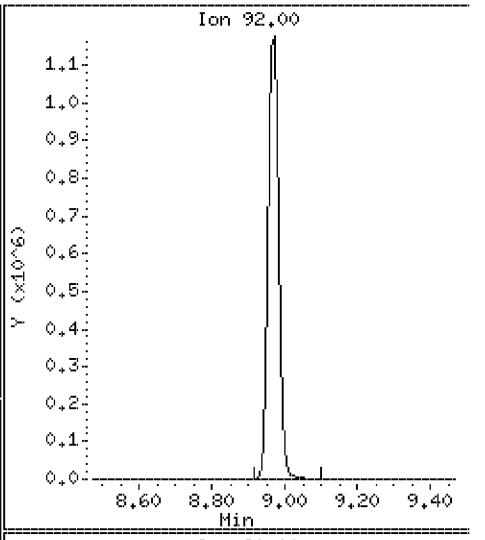
Concentration: 50.7 ug/l

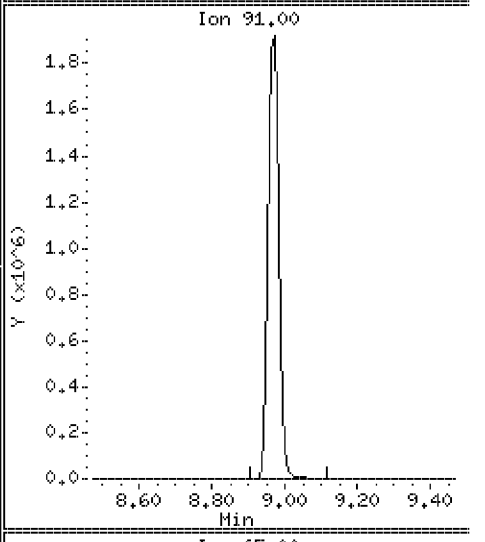


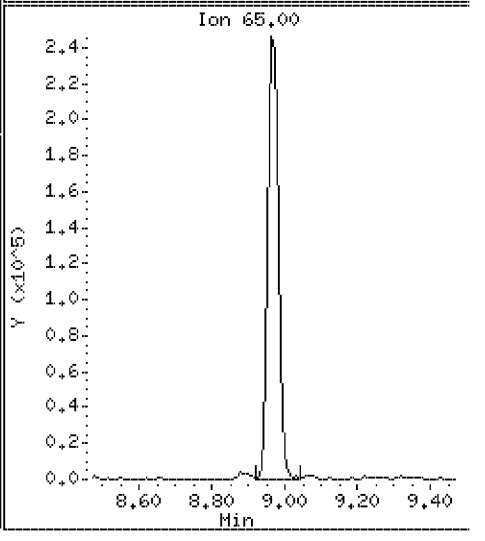












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

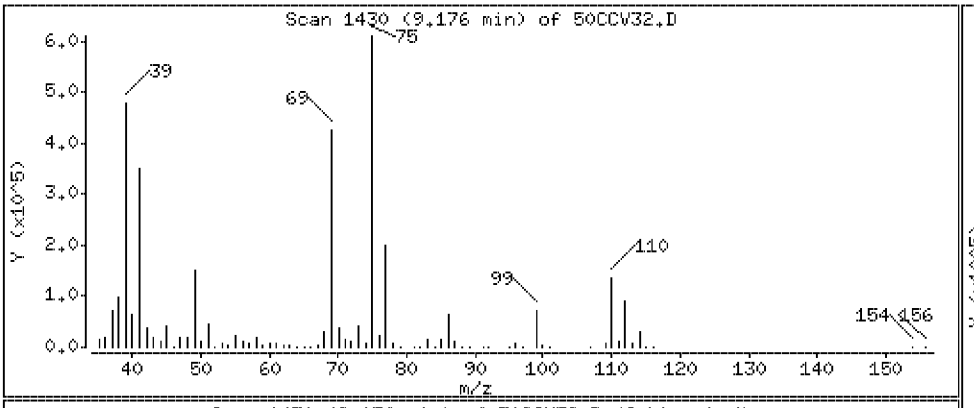
Operator:

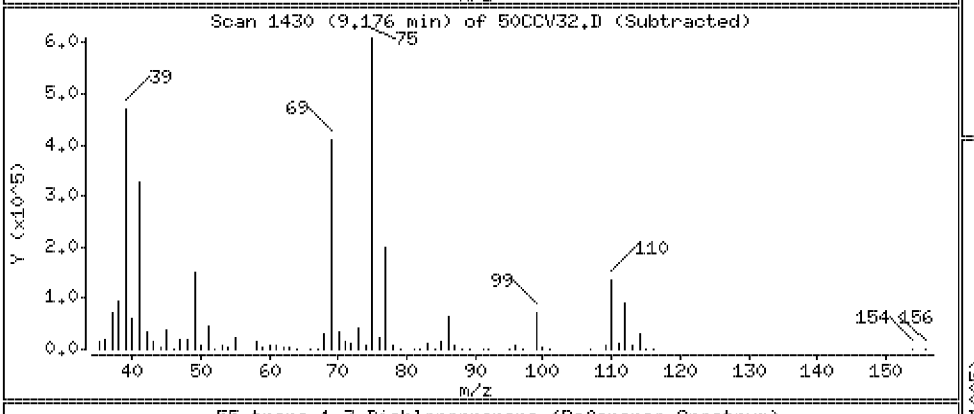
Column phase: DB-624

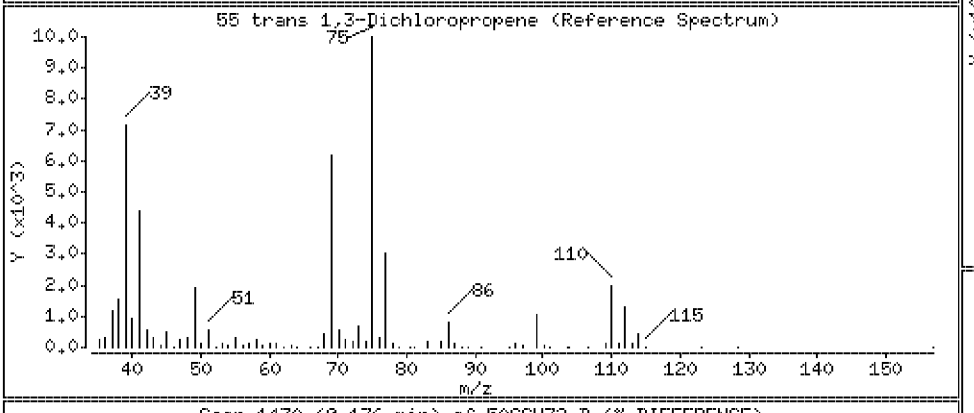
Column diameter: 0.18

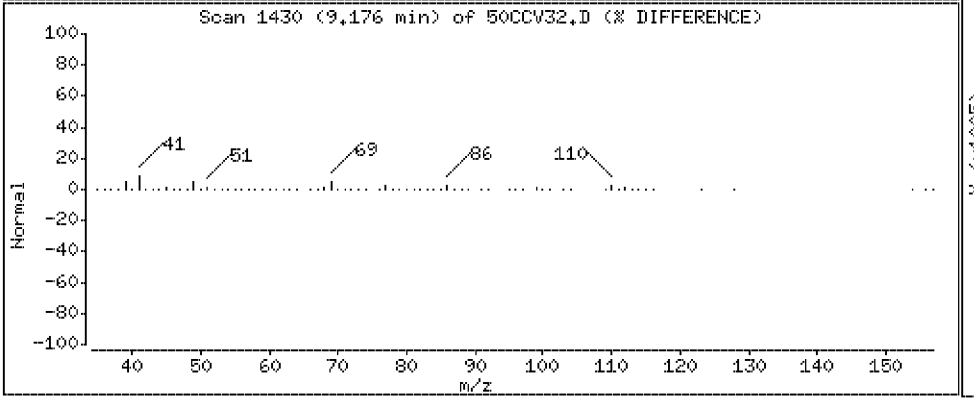
55 trans 1,3-Dichloropropene

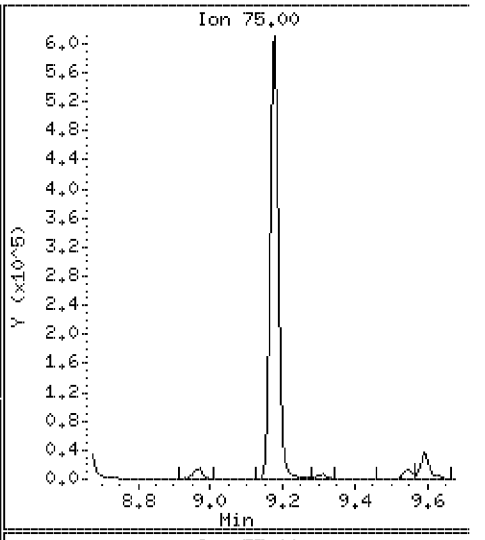
Concentration: 52.0 ug/l

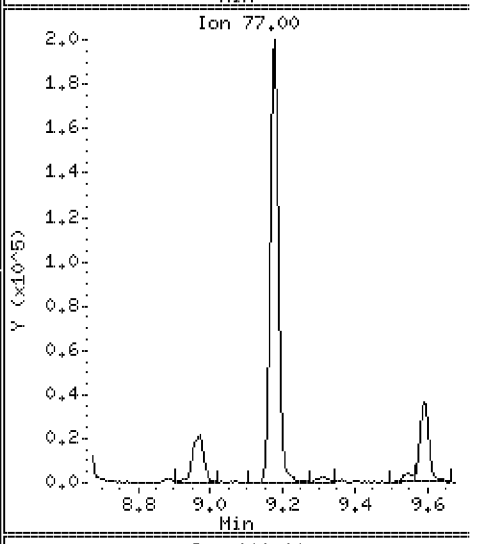


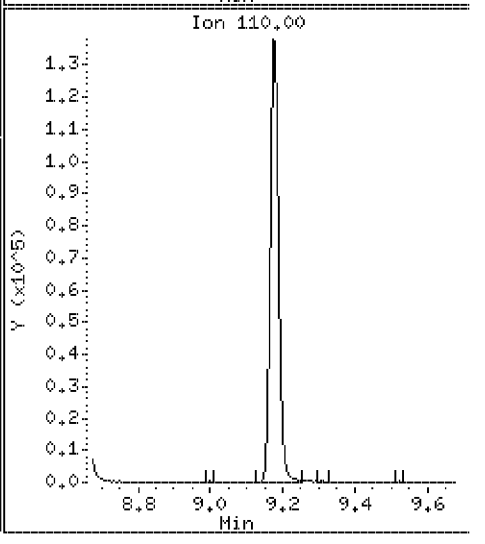












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

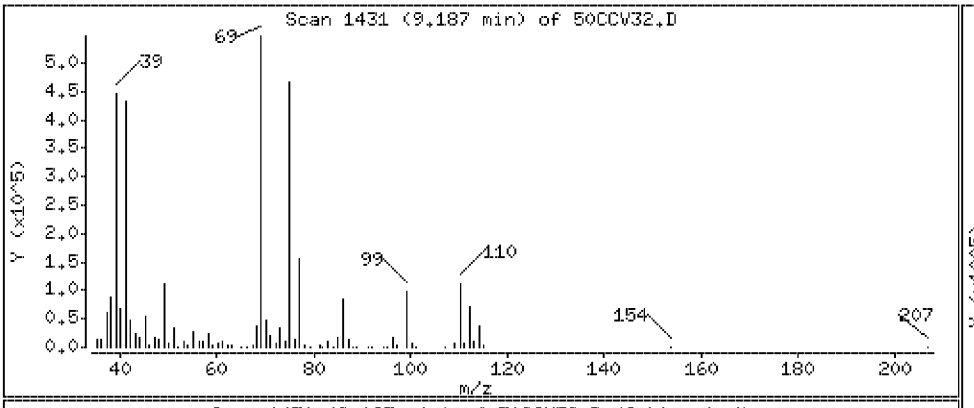
Operator:

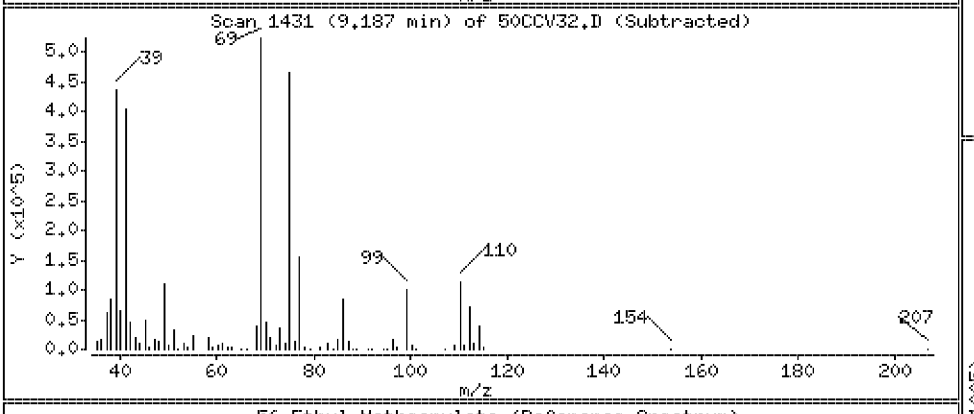
Column phase: DB-624

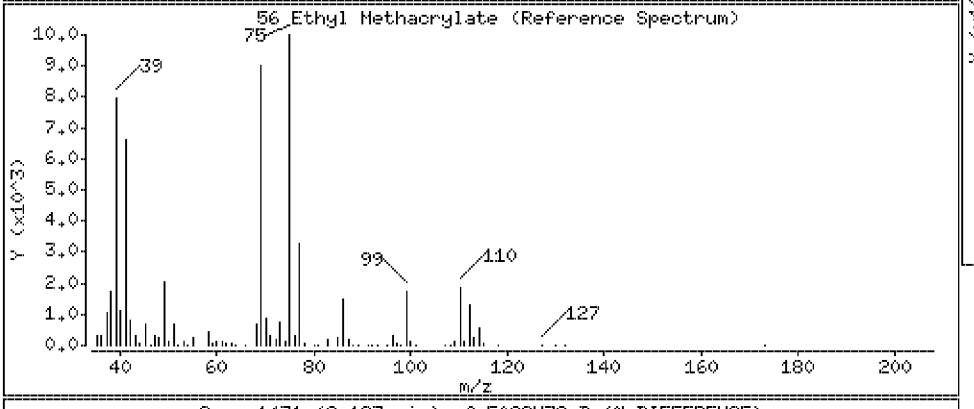
Column diameter: 0.18

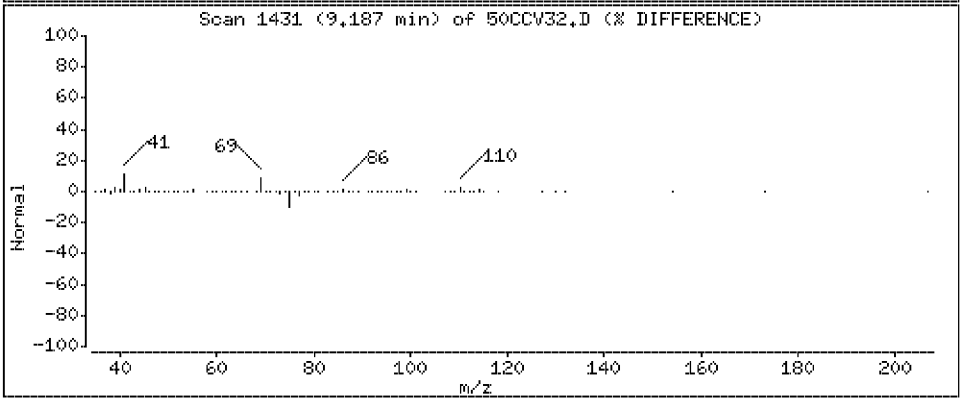
56 Ethyl Methacrylate

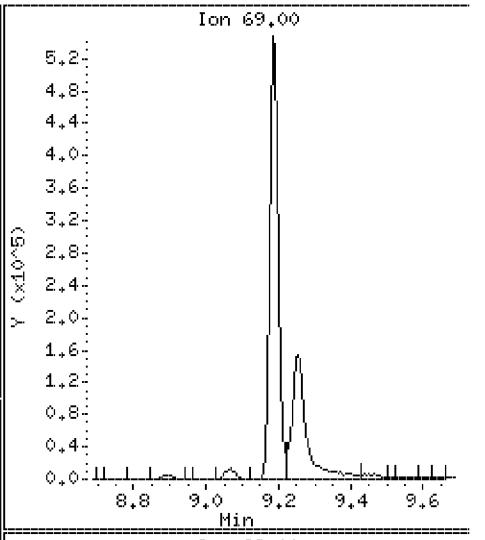
Concentration: 51.0 ug/l

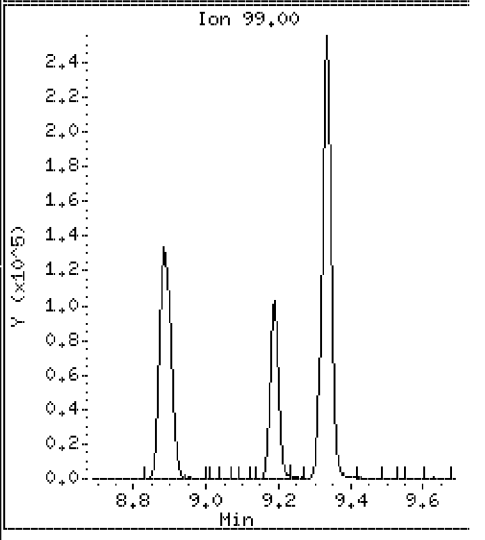












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

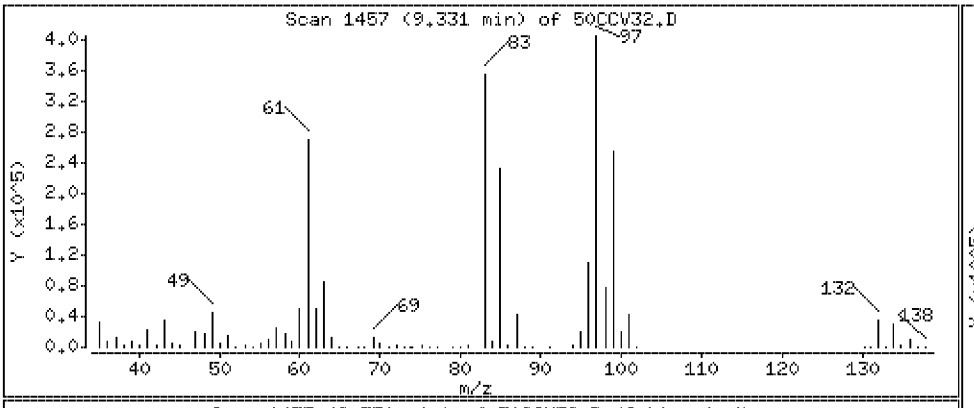
Operator:

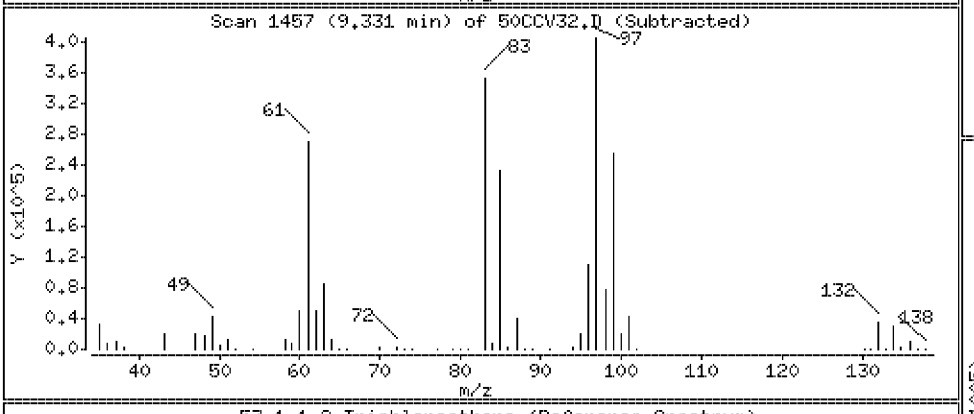
Column phase: DB-624

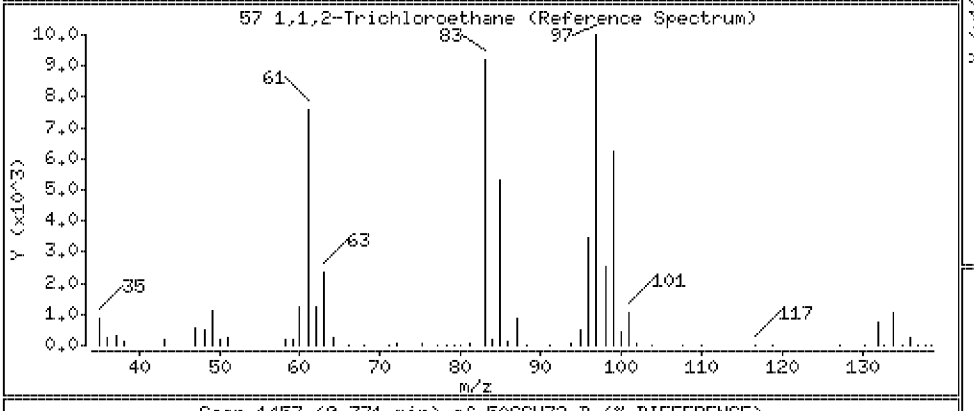
Column diameter: 0.18

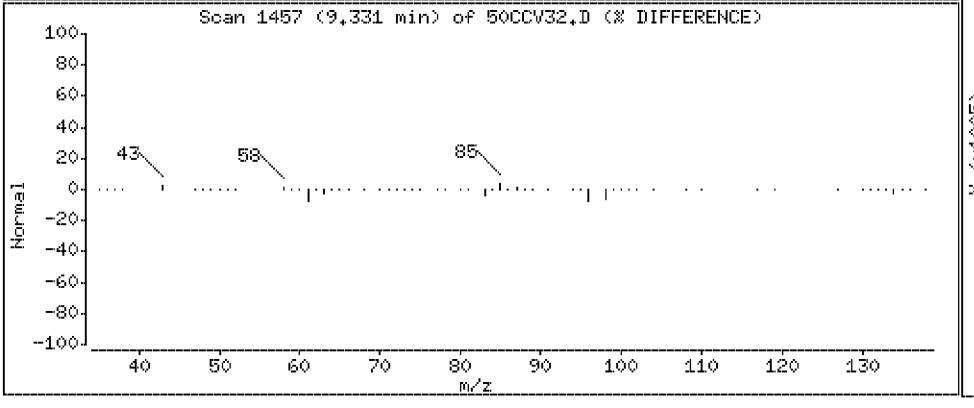
57 1,1,2-Trichloroethane

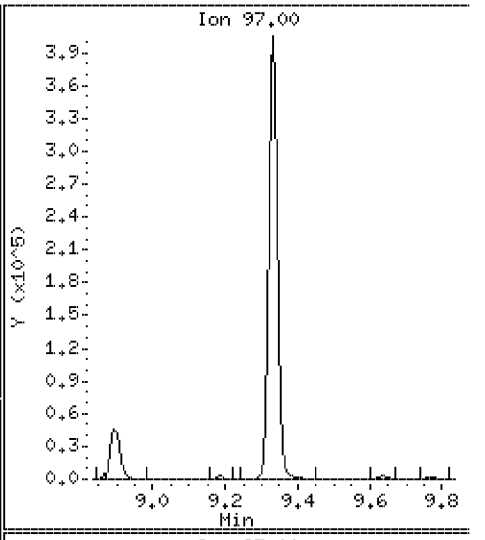
Concentration: 51.9 ug/l

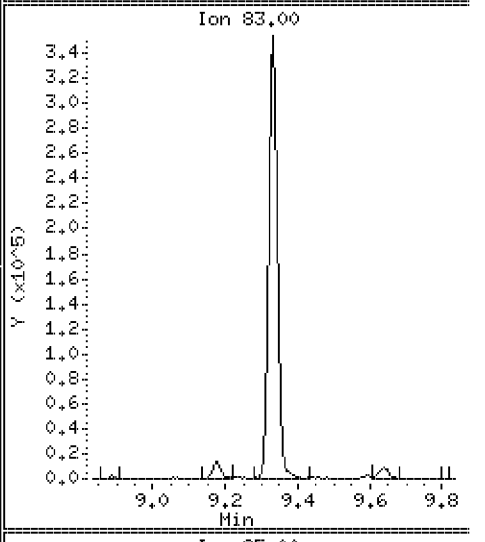


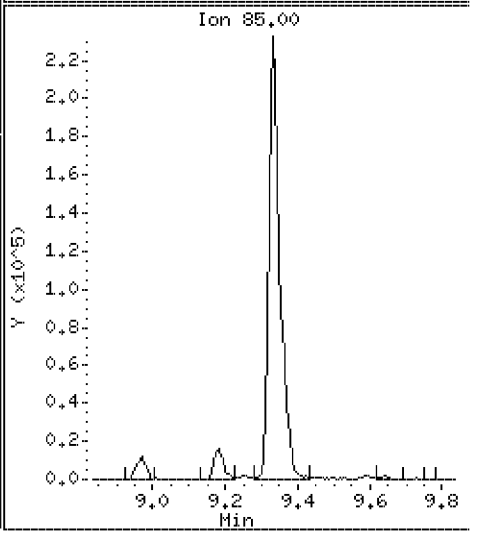












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

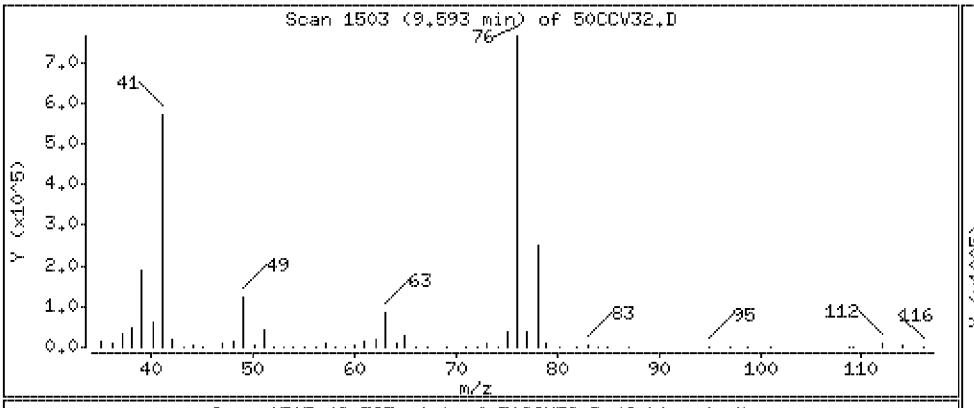
Client ID: 121709CCVA32 Instrument: vms03.i

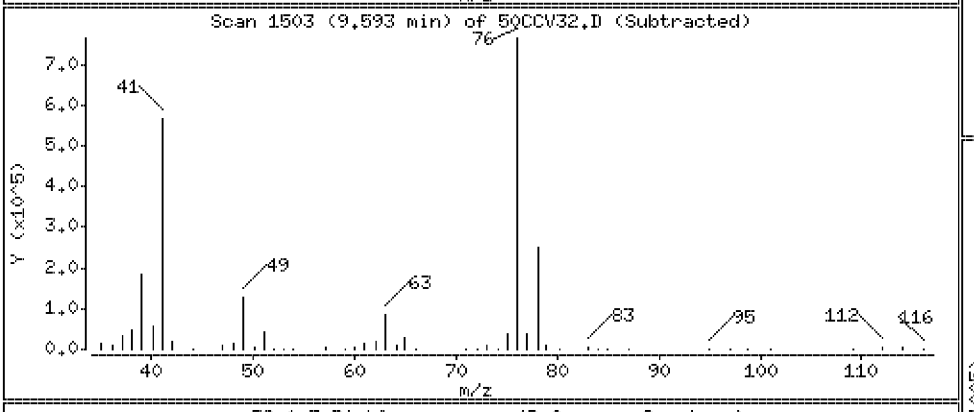
Sample Info: 121709CCVA32

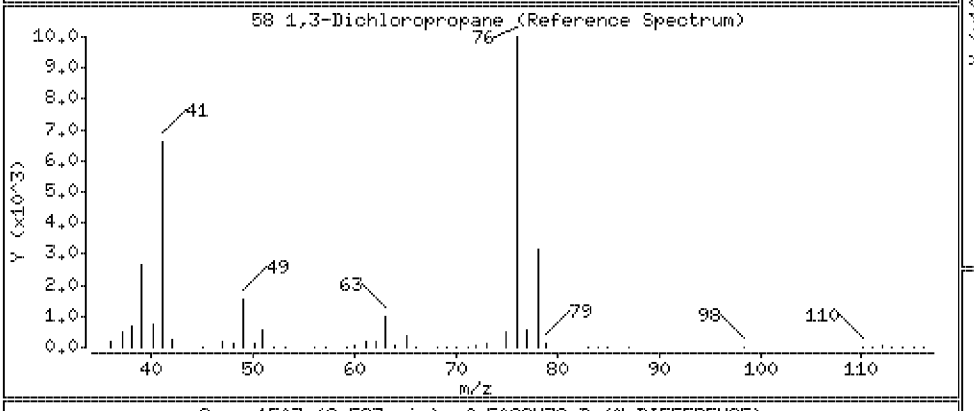
Purge Volume: 5.0 Operator:

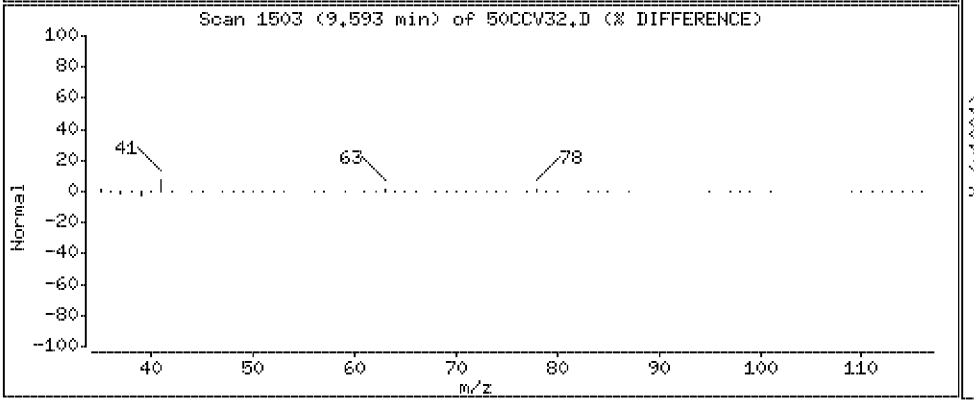
Column phase: DB-624 Column diameter: 0.18

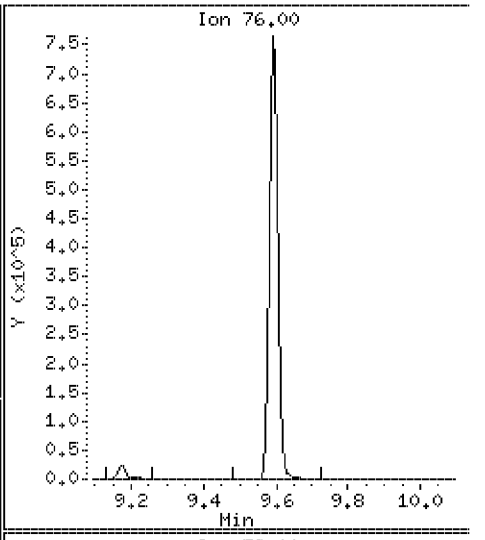
58 1,3-Dichloropropane Concentration: 49.1 ug/l

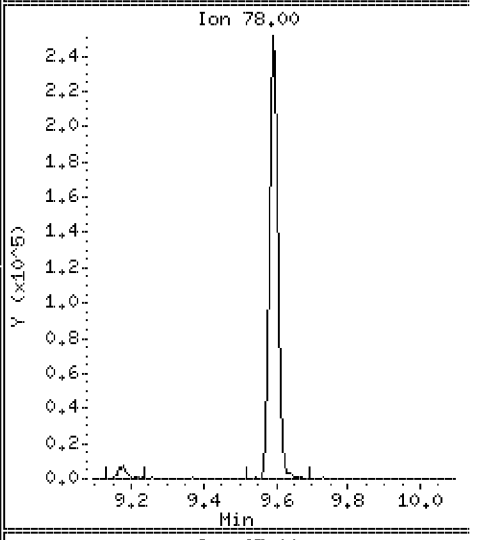


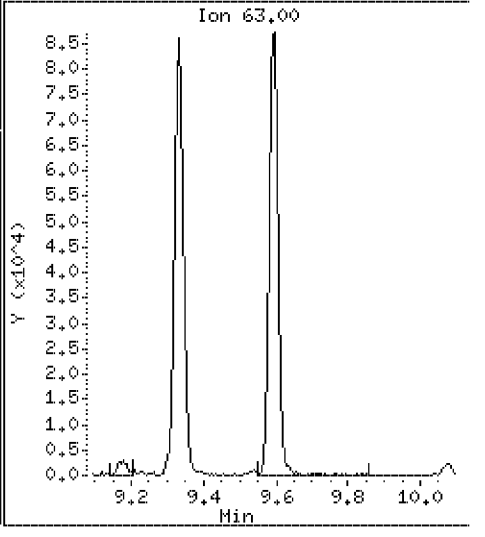












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

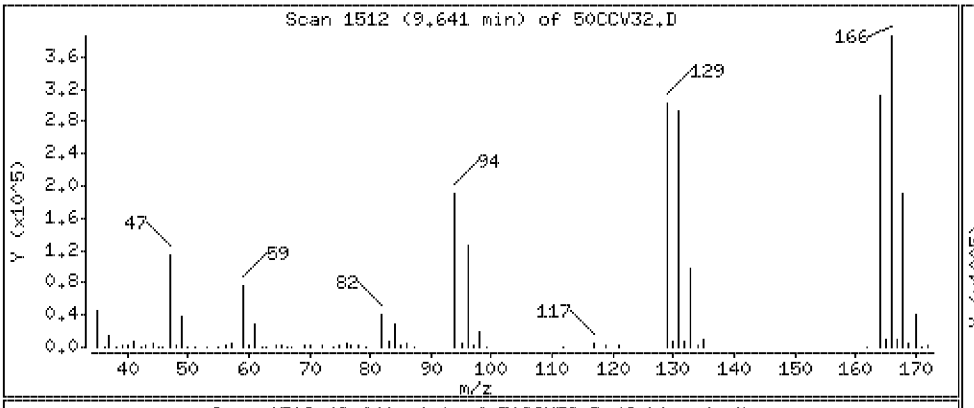
Operator:

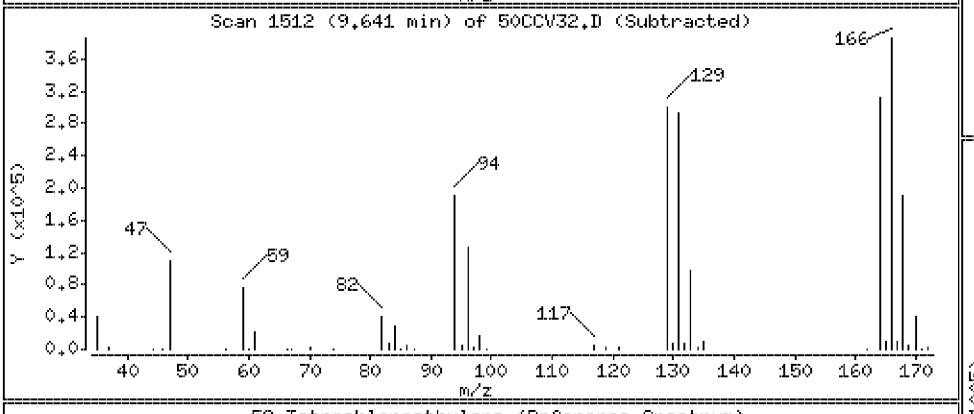
Column phase: DB-624

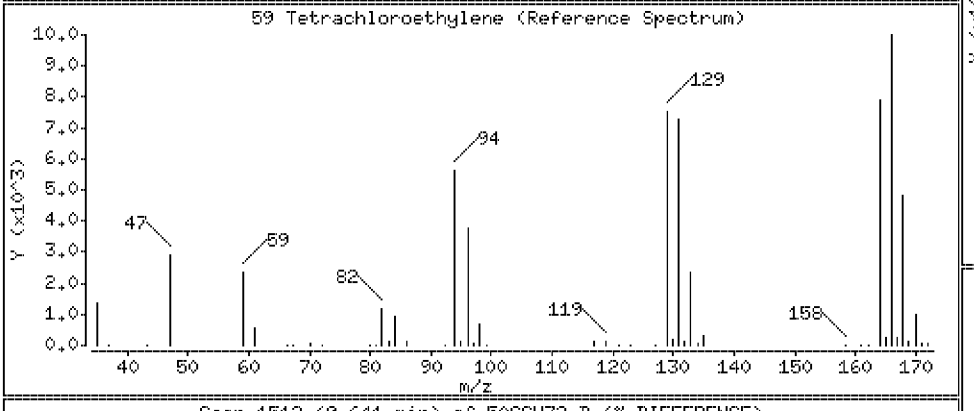
Column diameter: 0.18

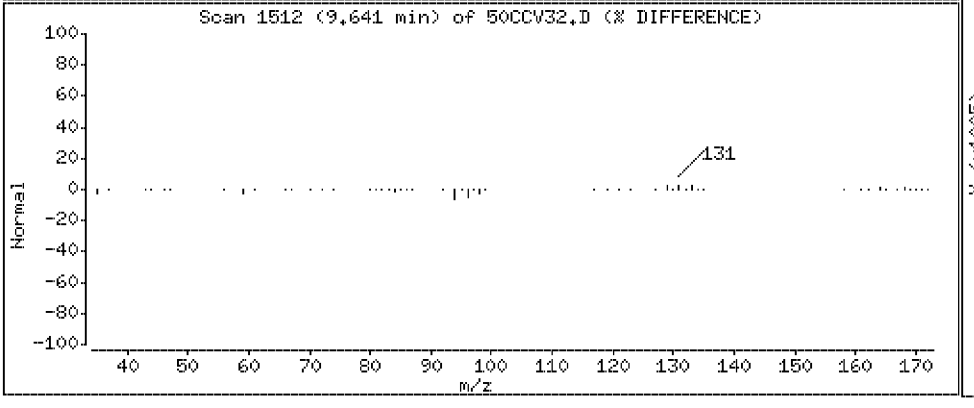
59 Tetrachloroethylene

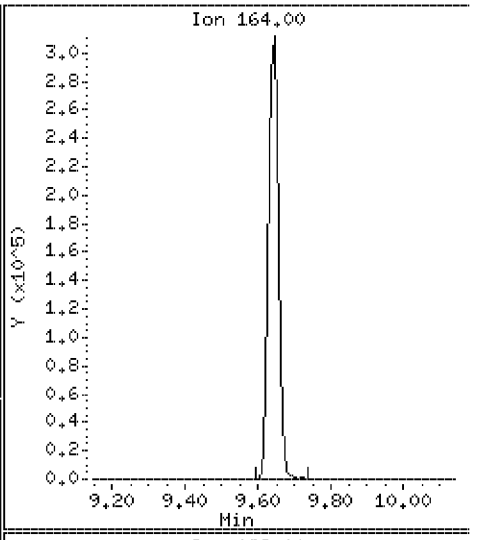
Concentration: 51.1 ug/l

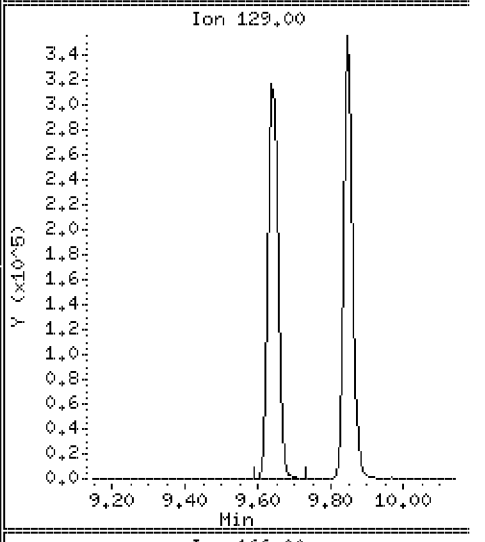


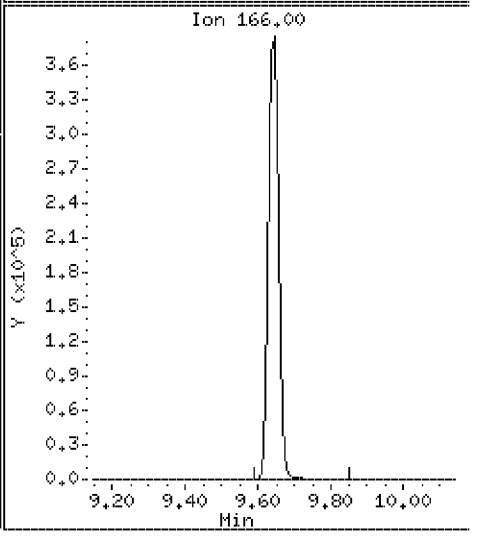












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

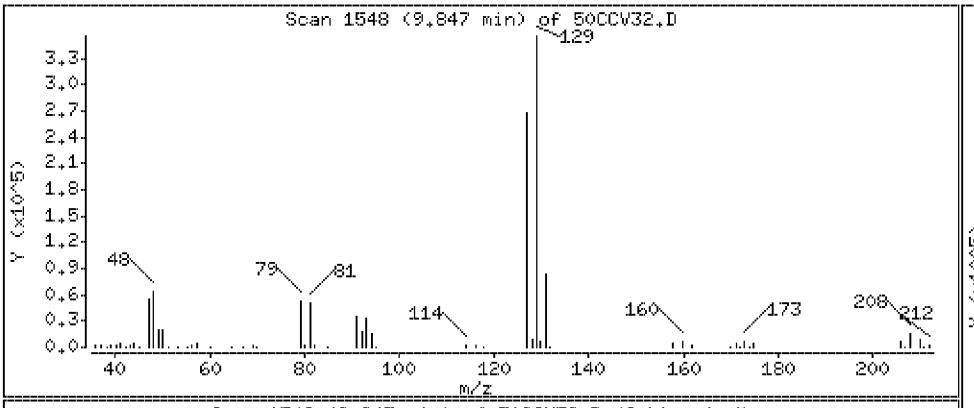
Operator:

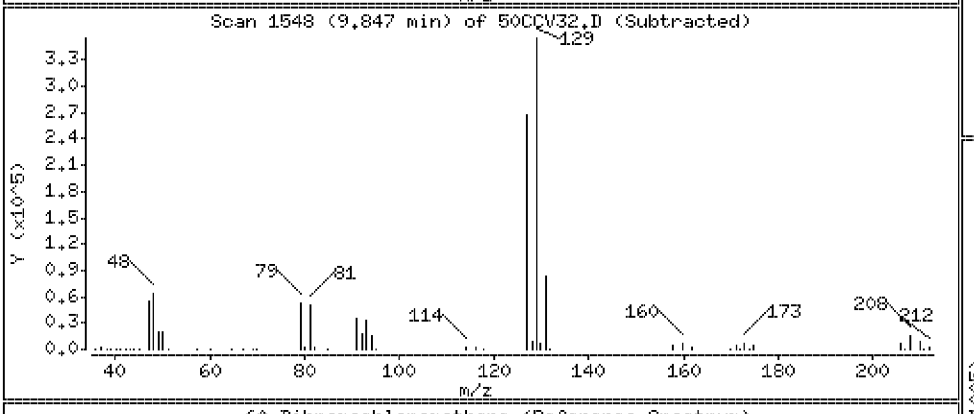
Column phase: DB-624

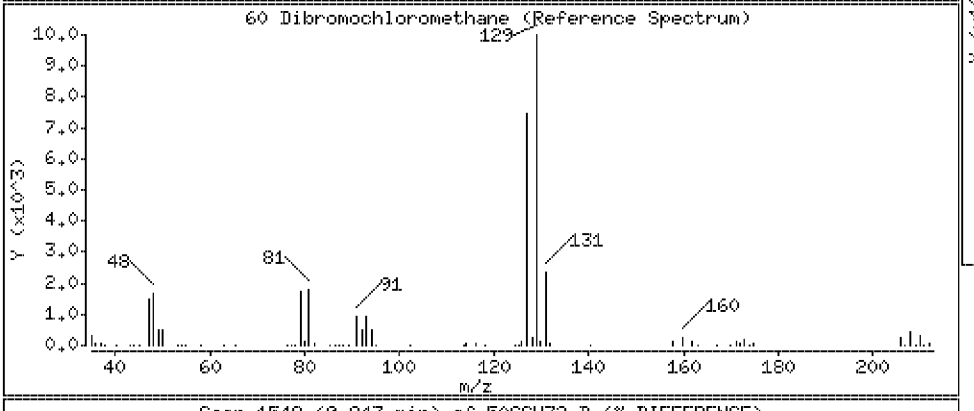
Column diameter: 0.18

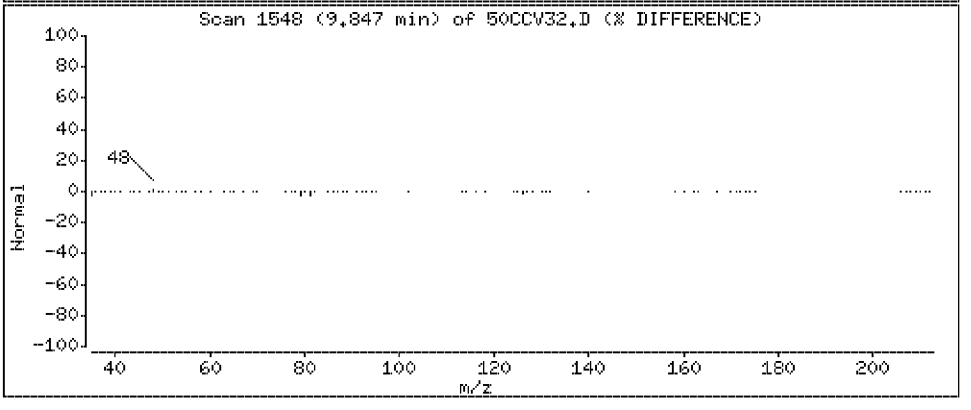
60 Dibromochloromethane

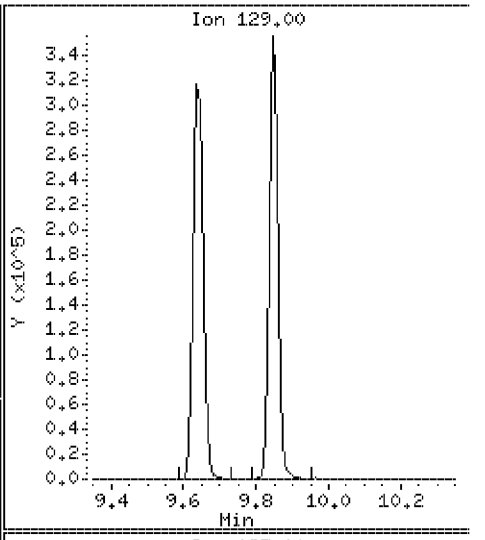
Concentration: 55.8 ug/l

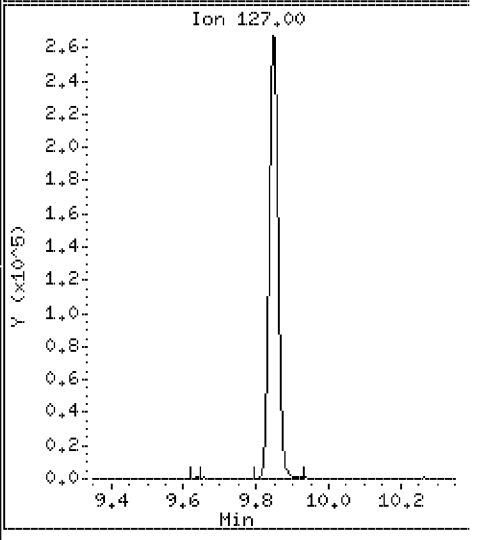












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

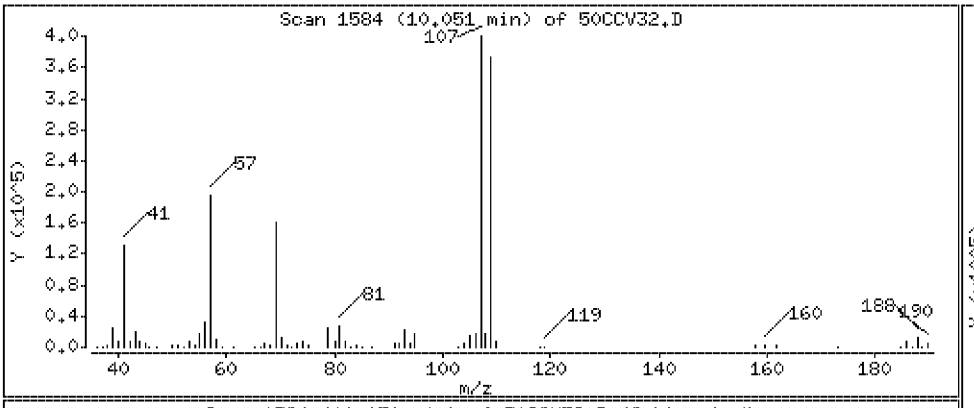
Operator:

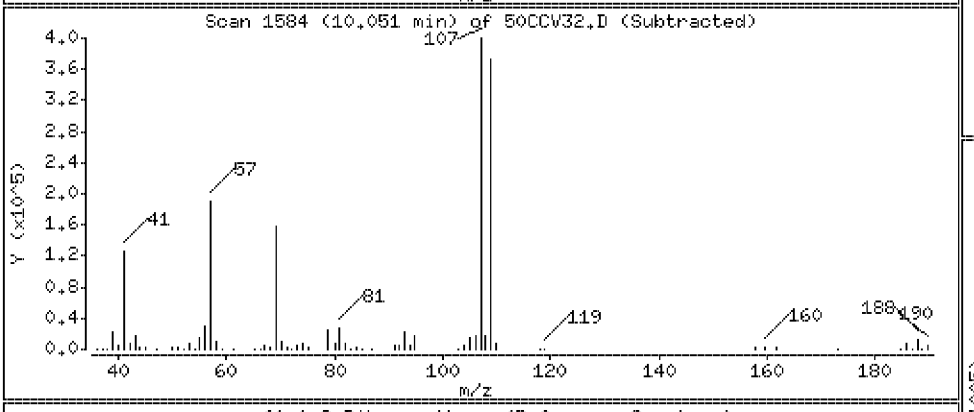
Column phase: DB-624

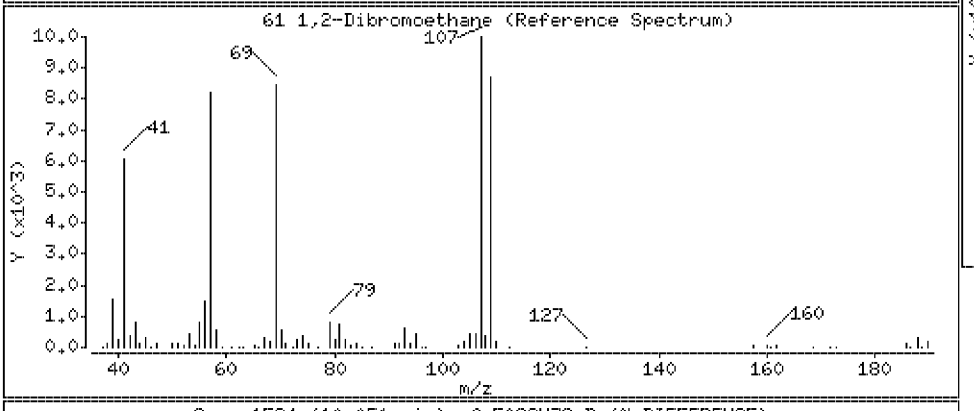
Column diameter: 0.18

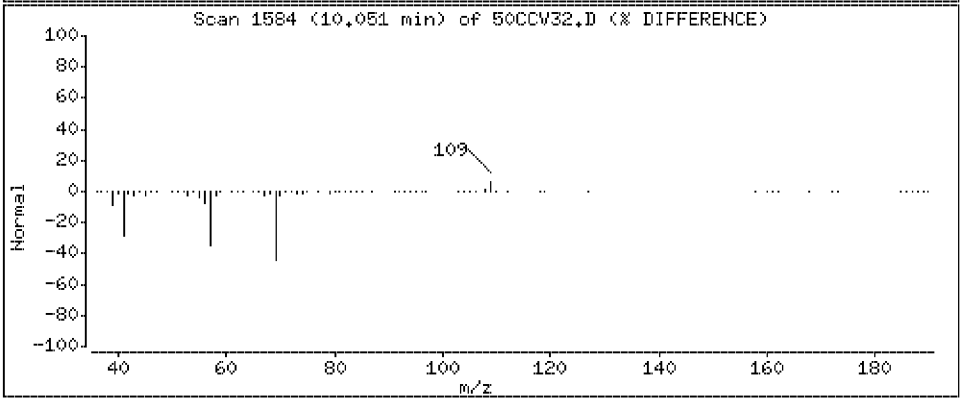
61 1,2-Dibromoethane

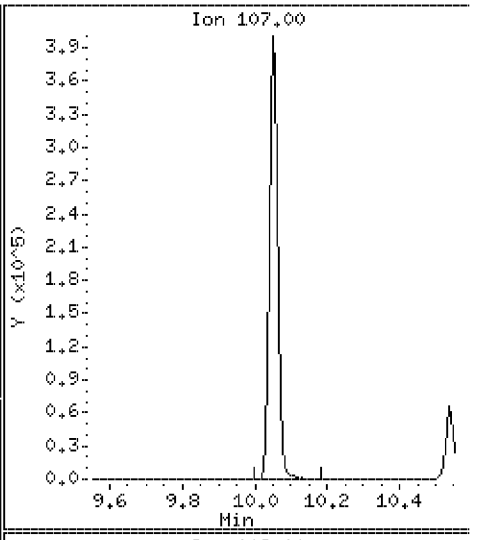
Concentration: 52.0 ug/l

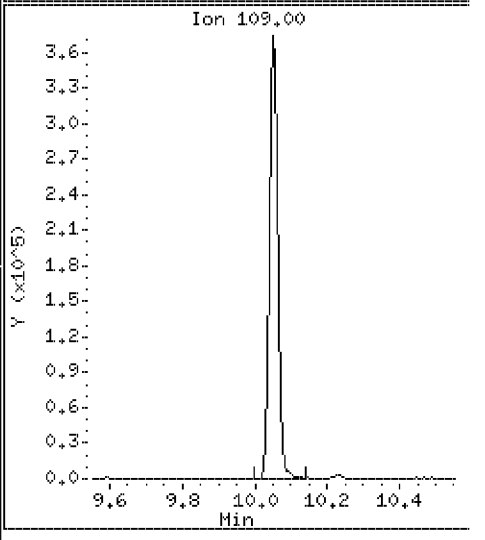












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

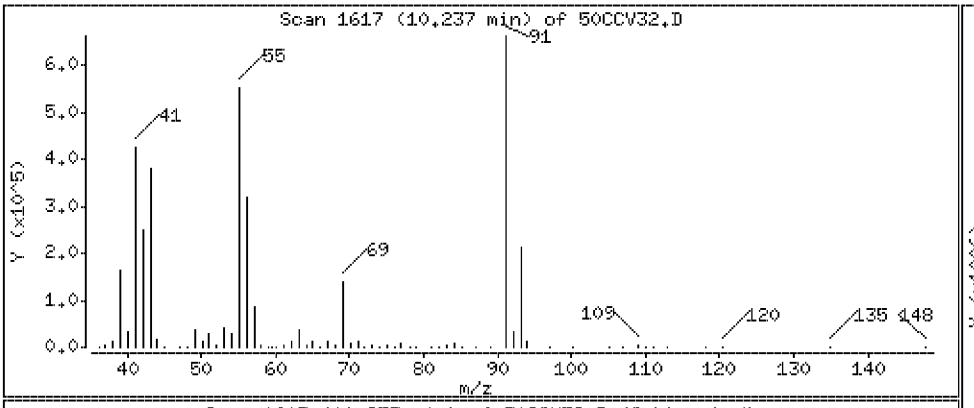
Operator:

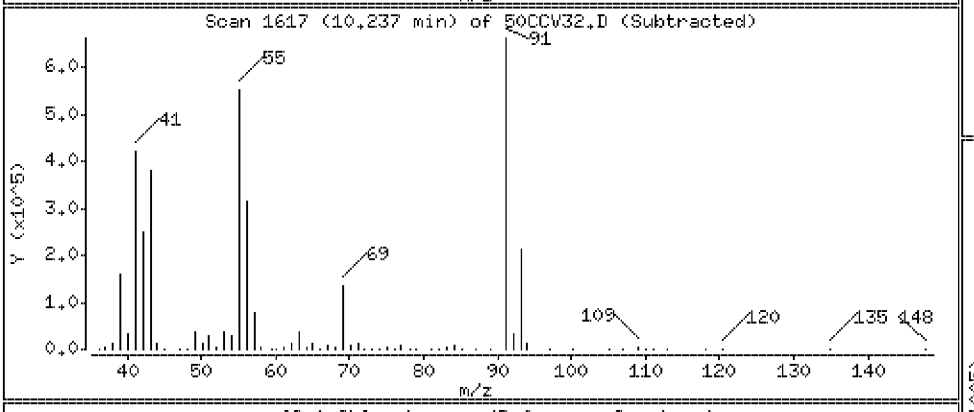
Column phase: DB-624

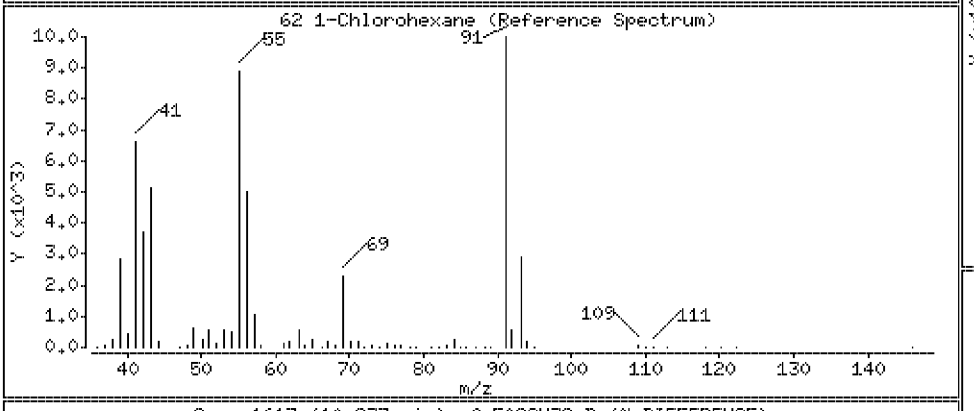
Column diameter: 0.18

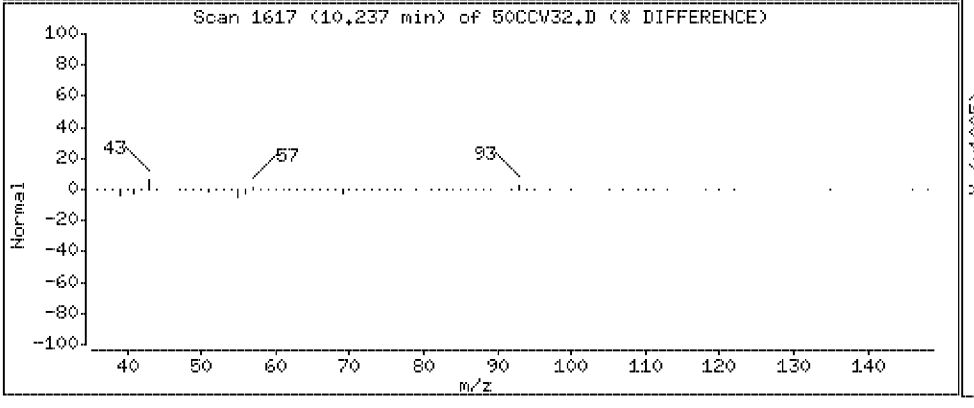
62 1-Chlorohexane

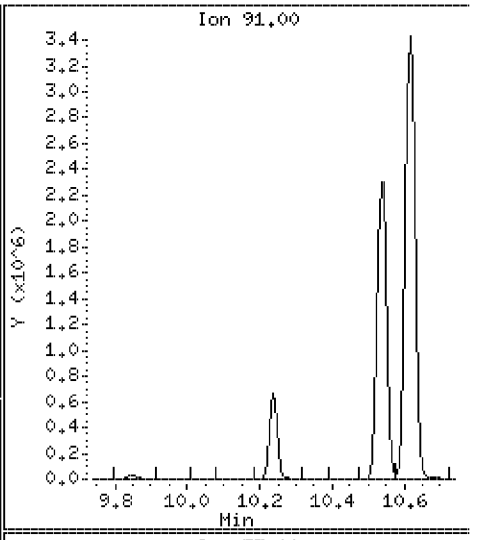
Concentration: 54.5 ug/l

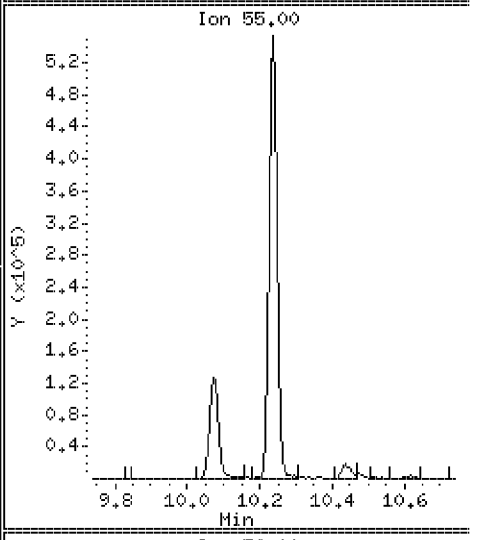


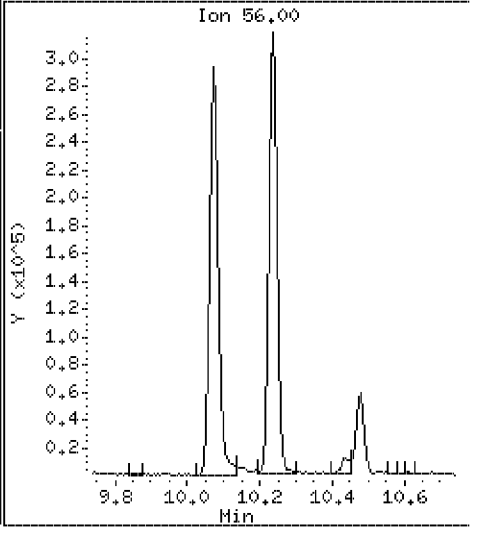












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

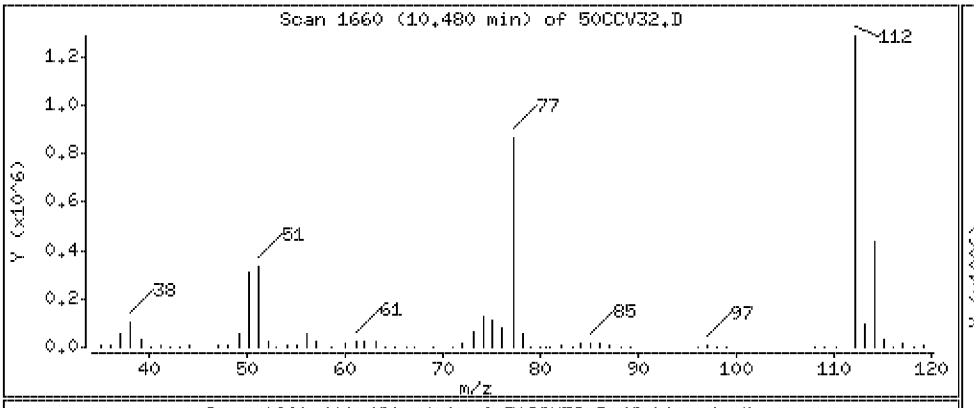
Operator:

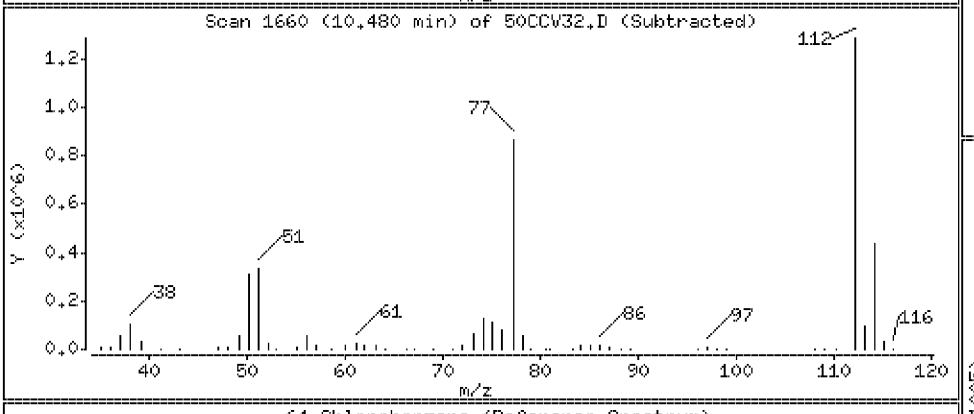
Column phase: DB-624

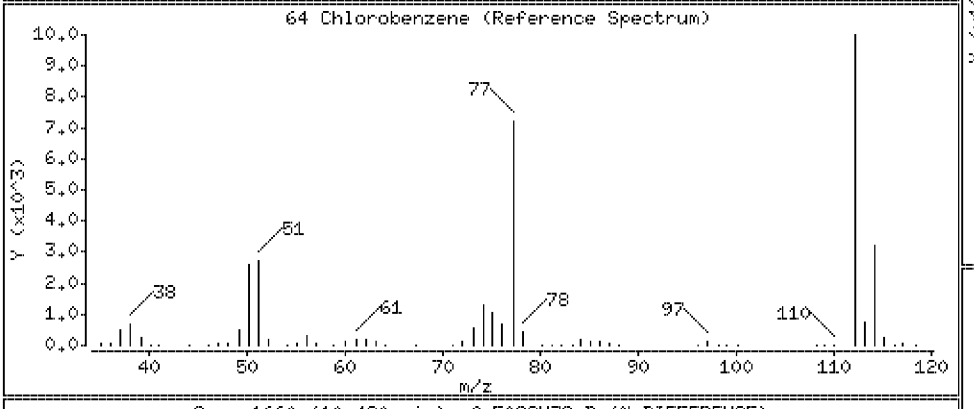
Column diameter: 0.18

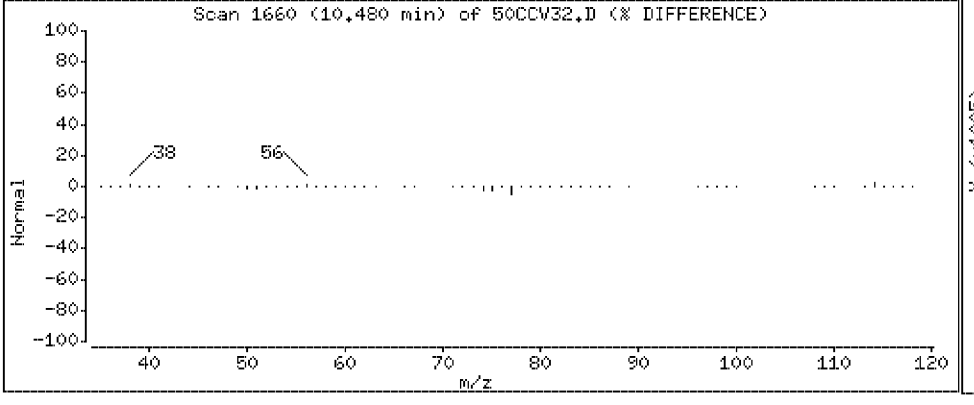
64 Chlorobenzene

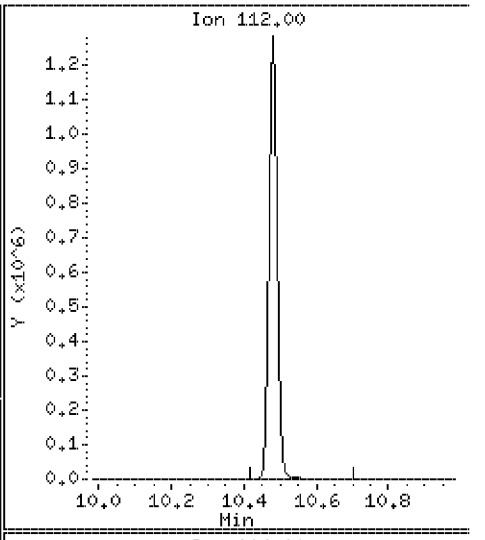
Concentration: 49.6 ug/l

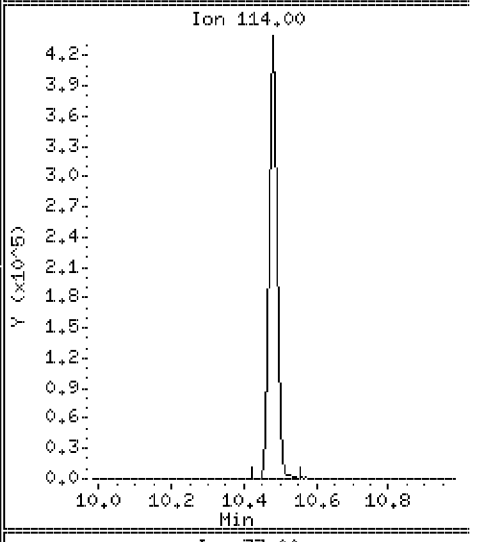


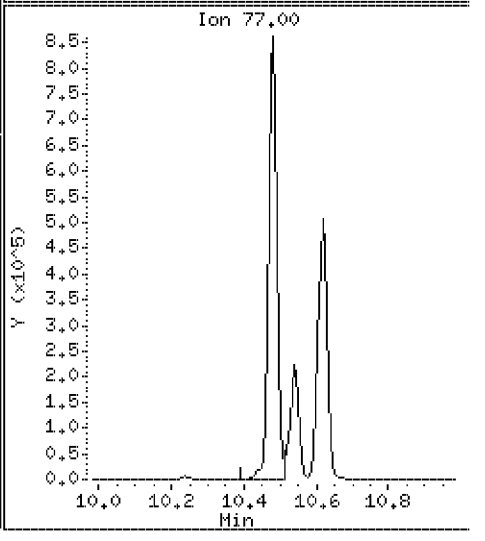












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

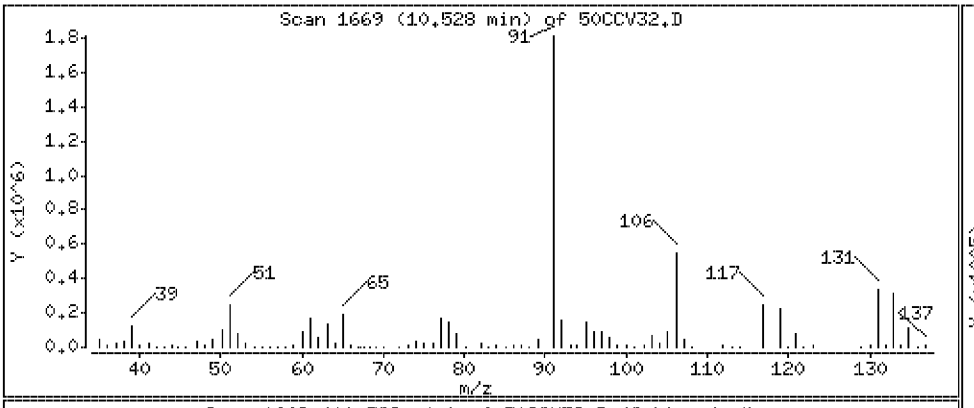
Client ID: 121709CCVA32 Instrument: vms03.i

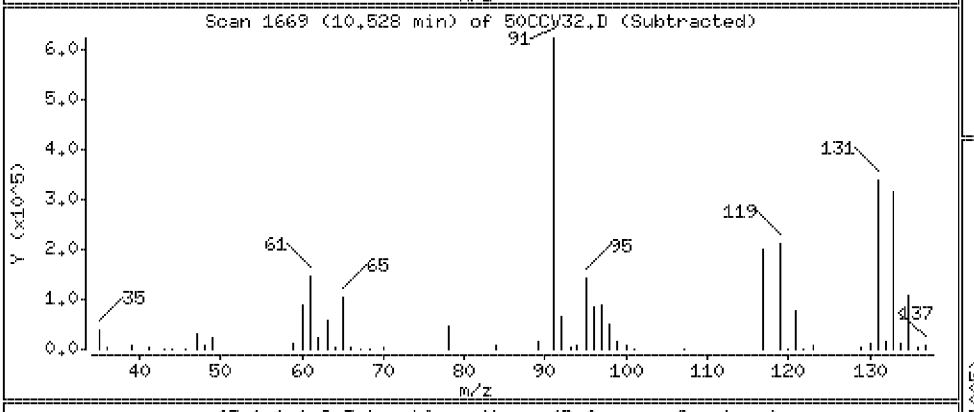
Sample Info: 121709CCVA32

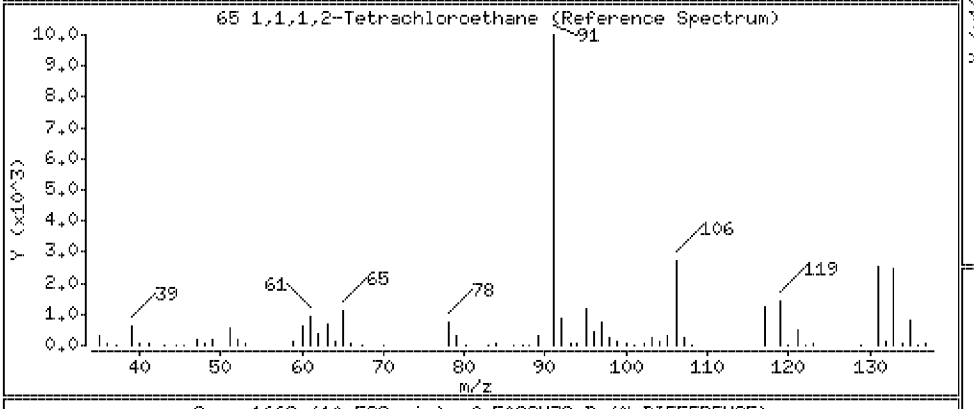
Purge Volume: 5.0 Operator:

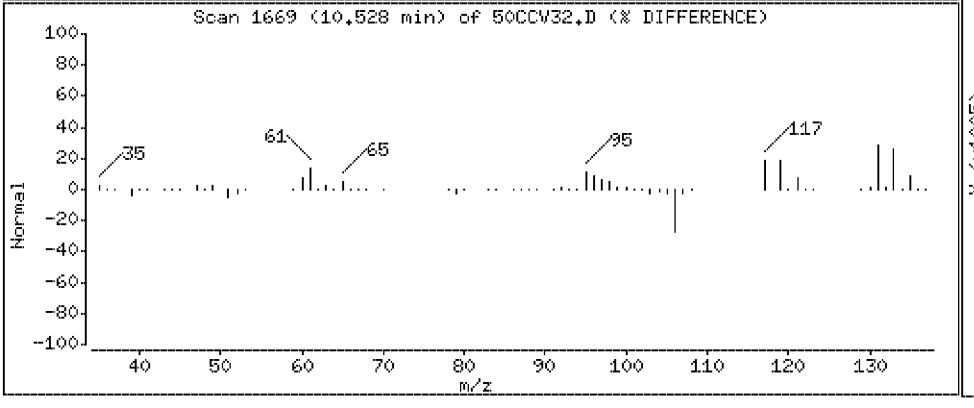
Column phase: DB-624 Column diameter: 0.18

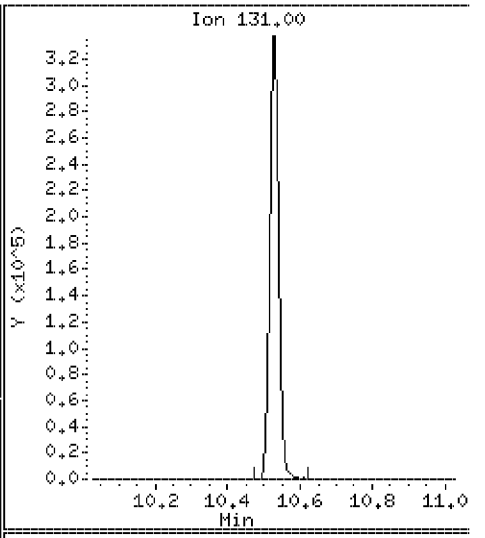
65 1,1,1,2-Tetrachloroethane Concentration: 53.3 ug/l

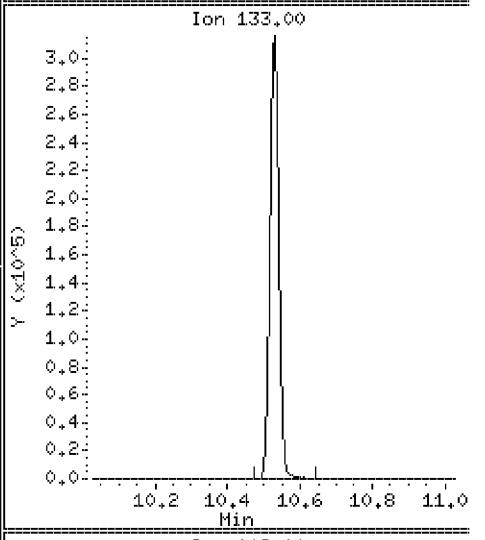


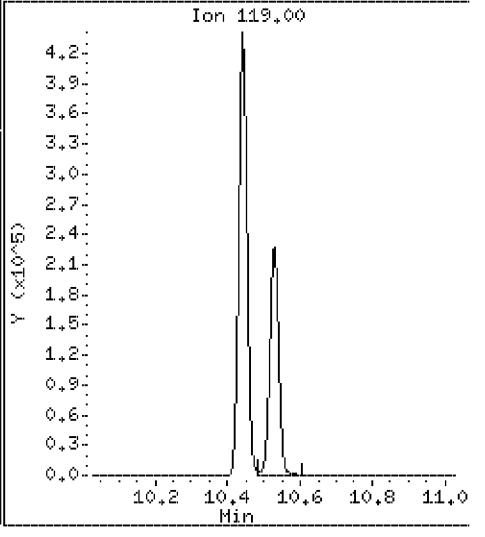












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

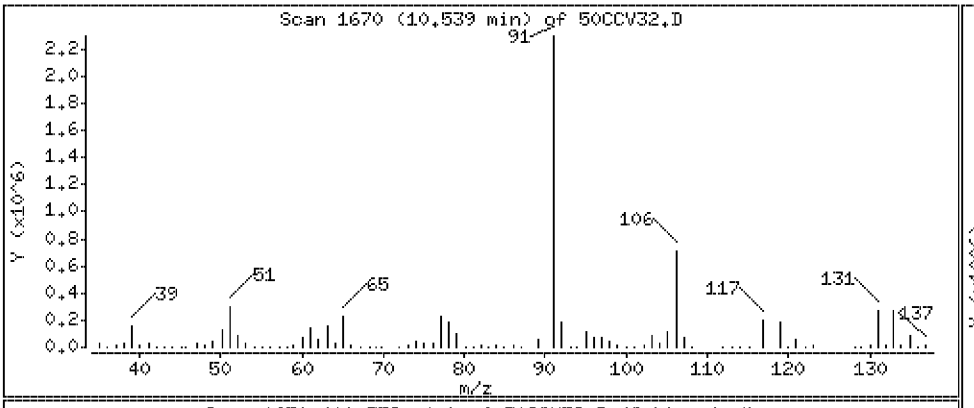
Operator:

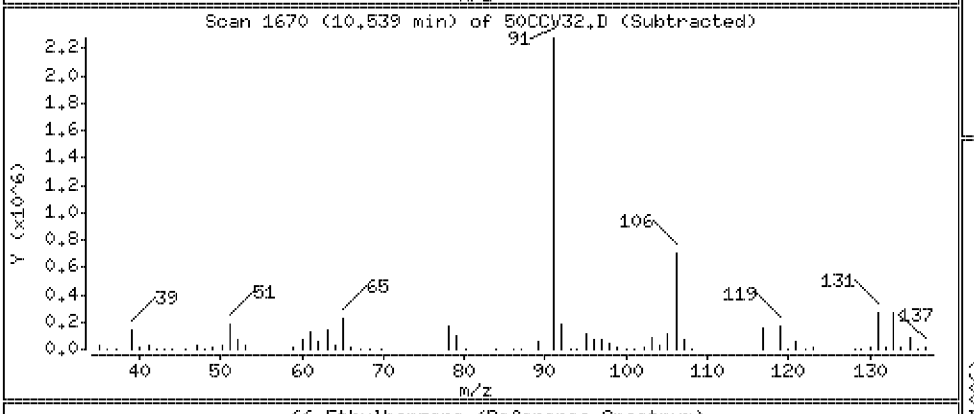
Column phase: DB-624

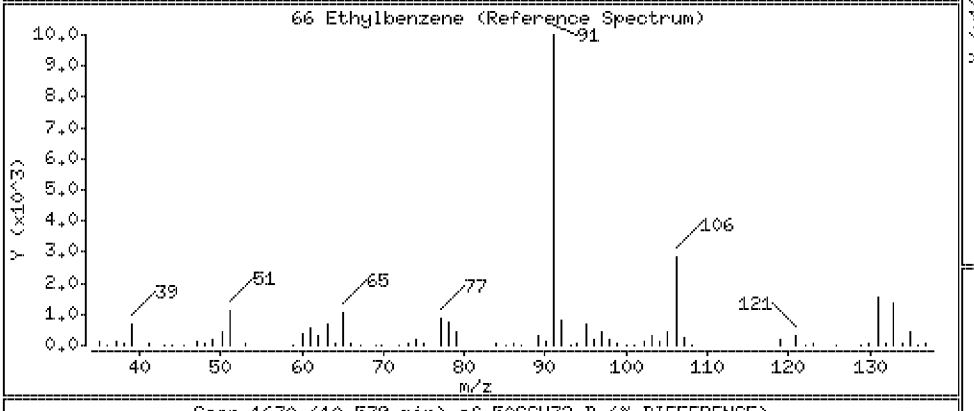
Column diameter: 0.18

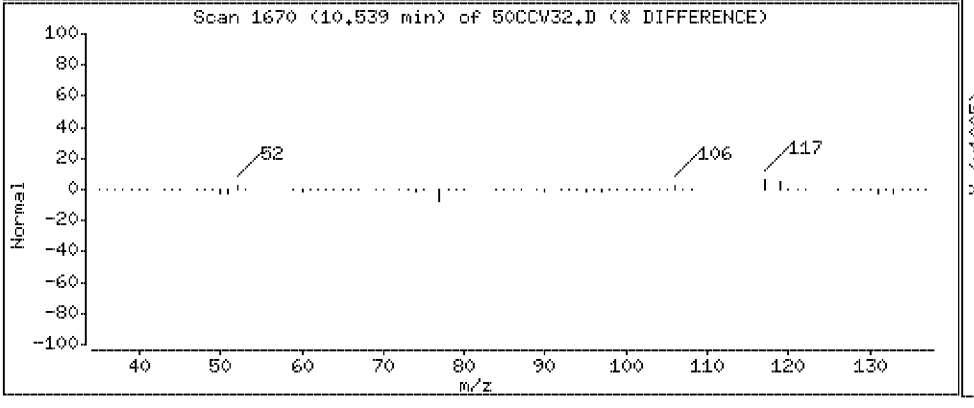
66 Ethylbenzene

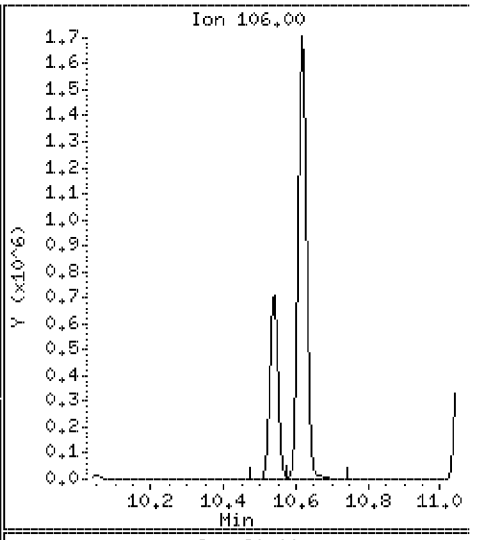
Concentration: 50.2 ug/l

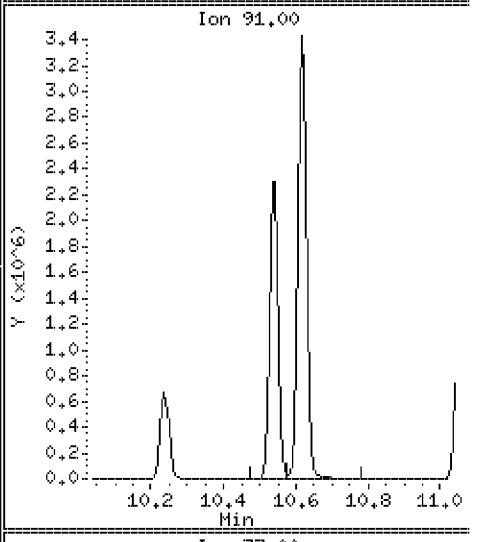


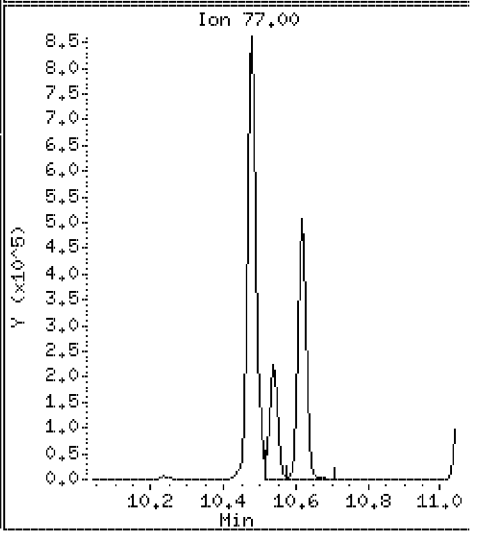












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

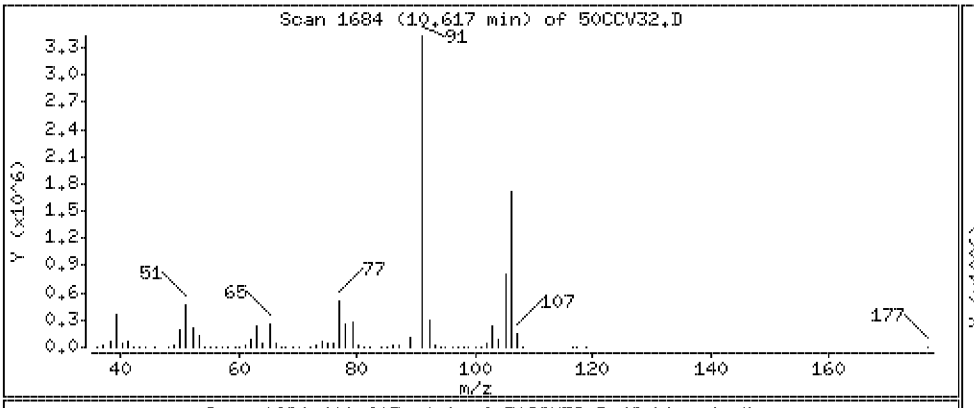
Operator:

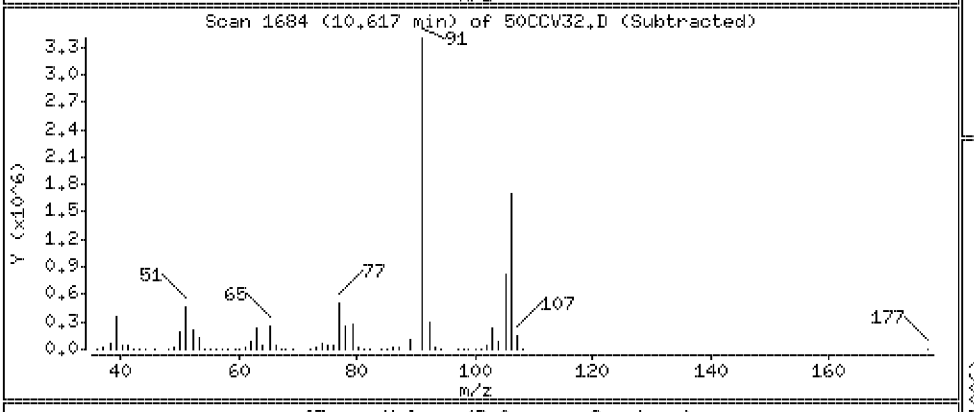
Column phase: DB-624

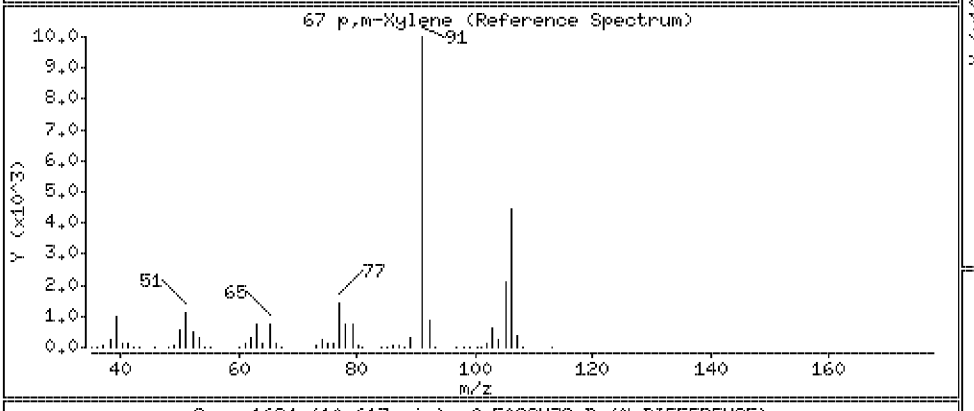
Column diameter: 0.18

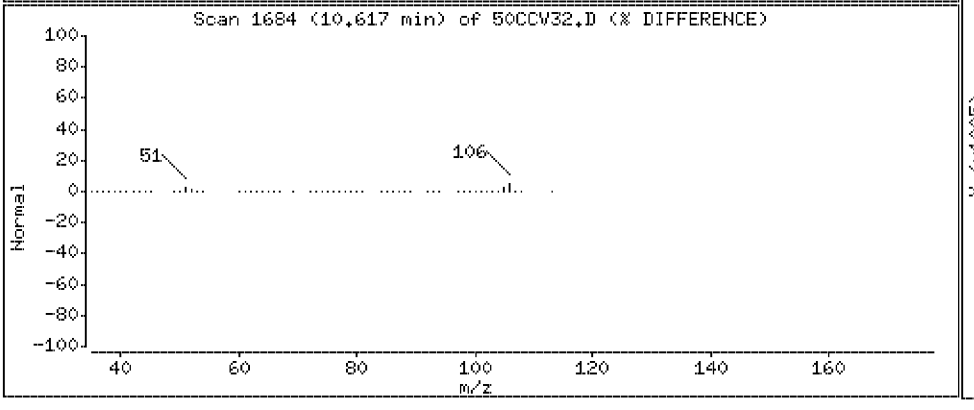
67 p,m-Xylene

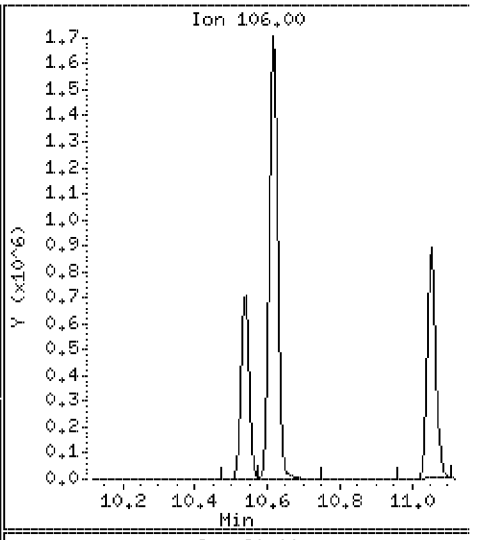
Concentration: 95.4 ug/l

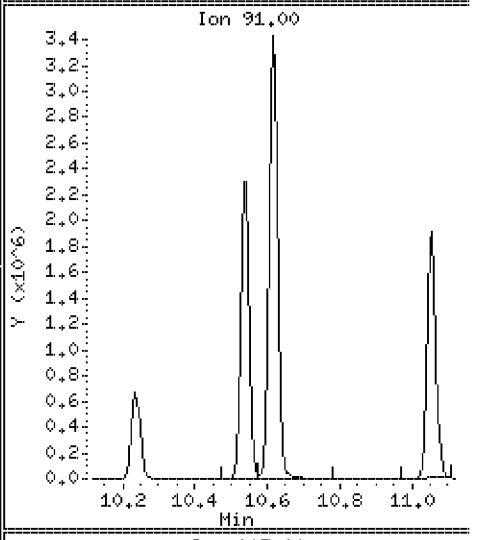


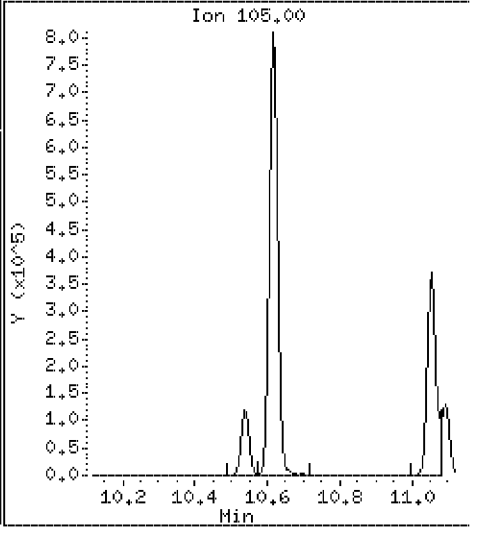












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

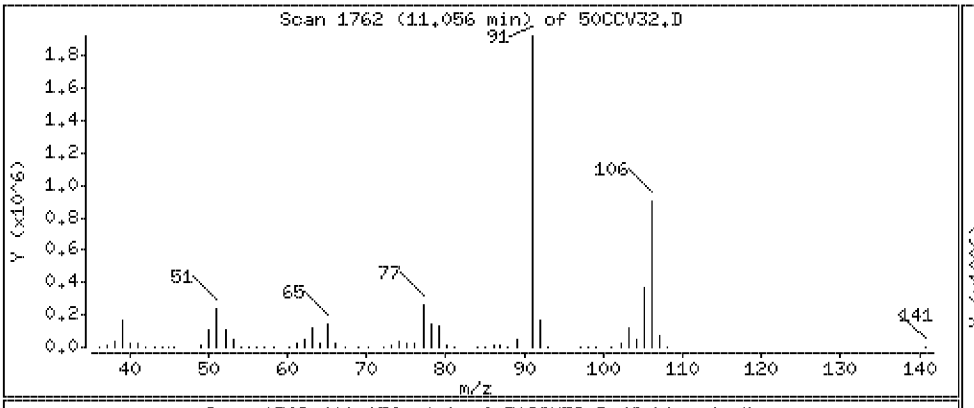
Client ID: 121709CCVA32 Instrument: vms03.i

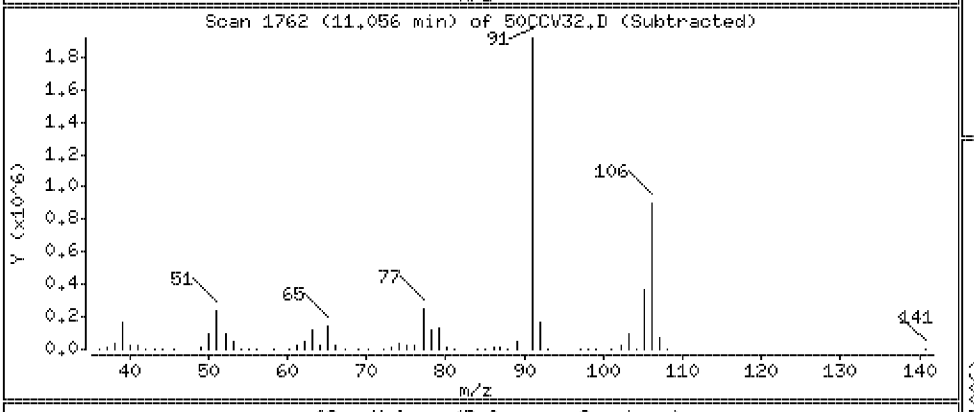
Sample Info: 121709CCVA32

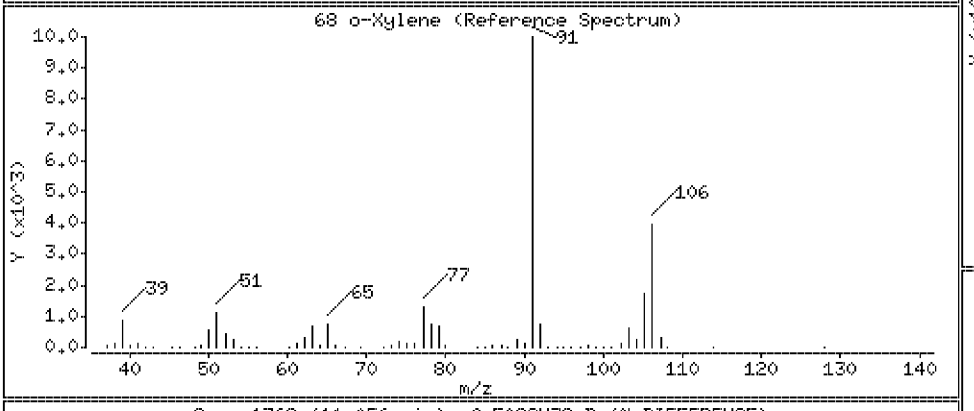
Purge Volume: 5.0 Operator:

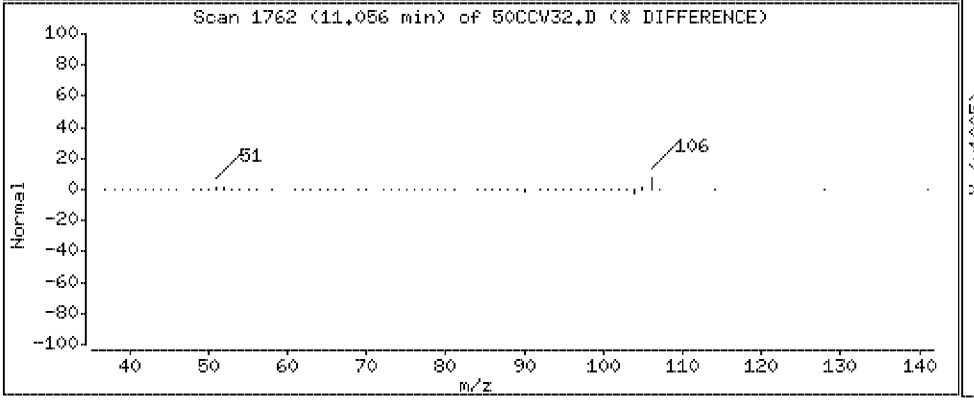
Column phase: DB-624 Column diameter: 0.18

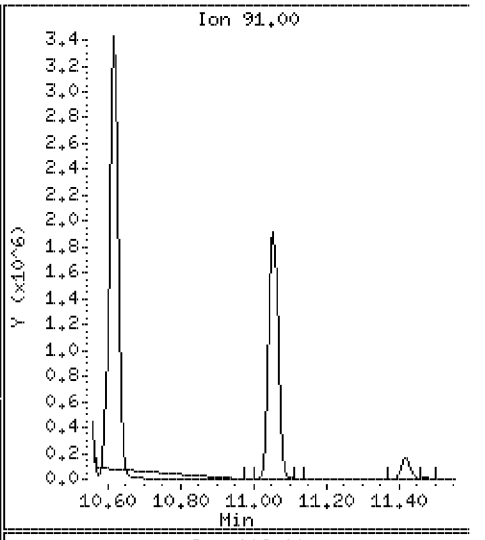
68 o-Xylene Concentration: 49.3 ug/l

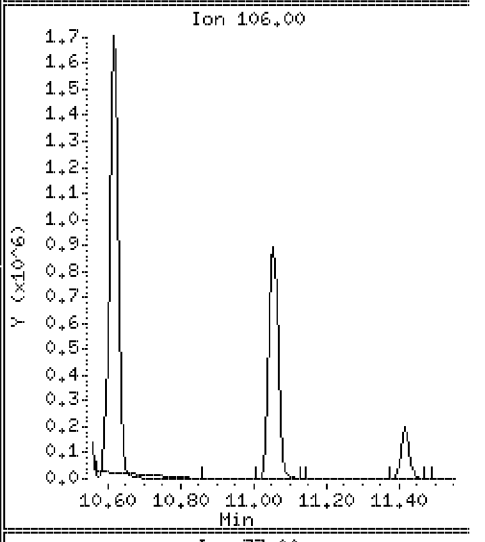


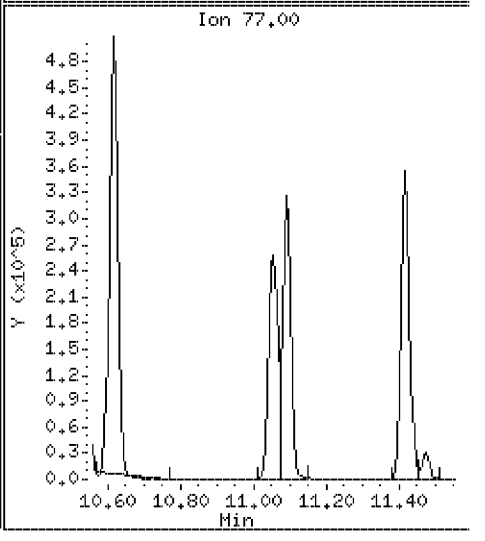












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

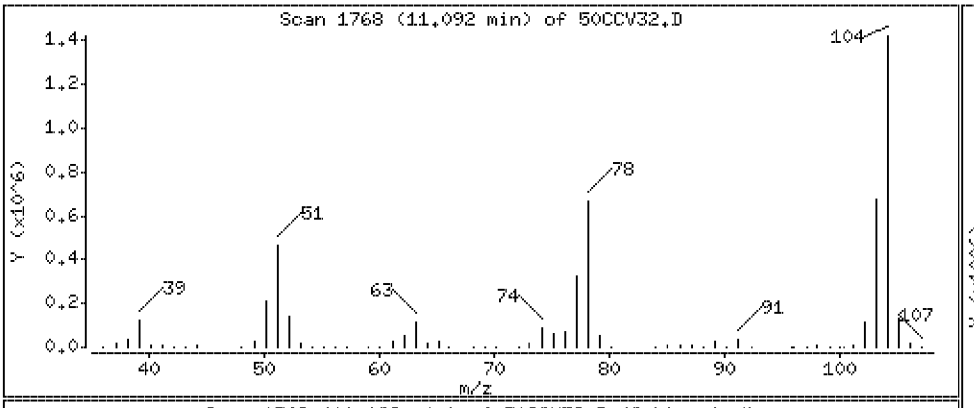
Client ID: 121709CCVA32 Instrument: vms03.i

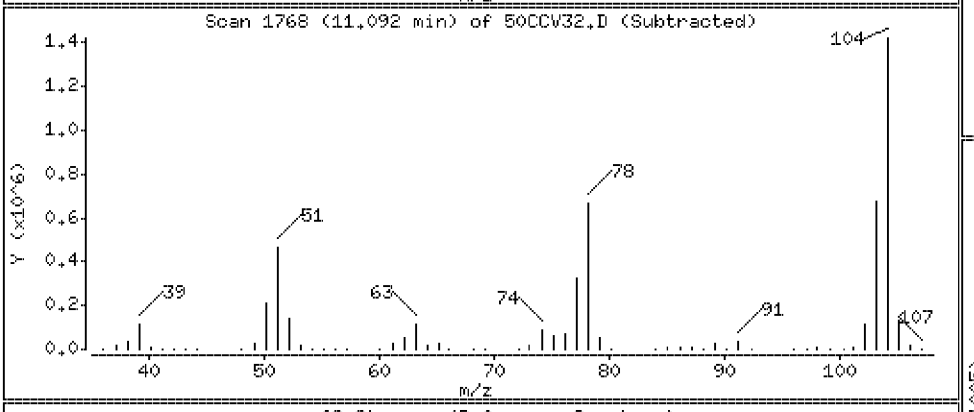
Sample Info: 121709CCVA32

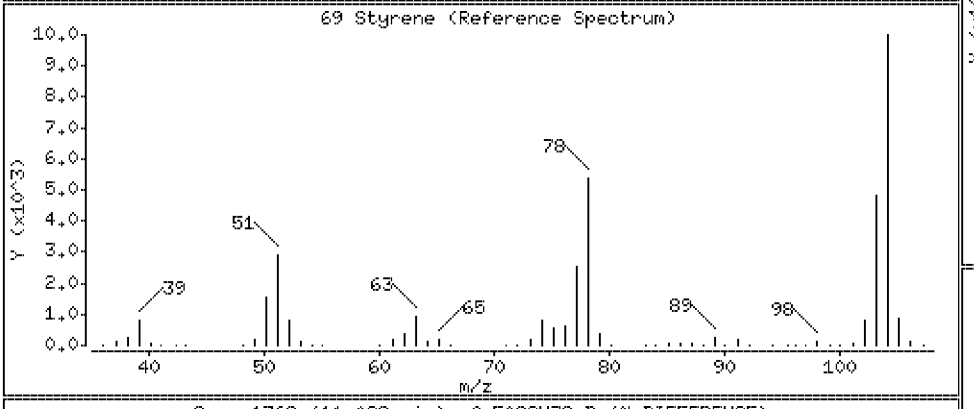
Purge Volume: 5.0 Operator:

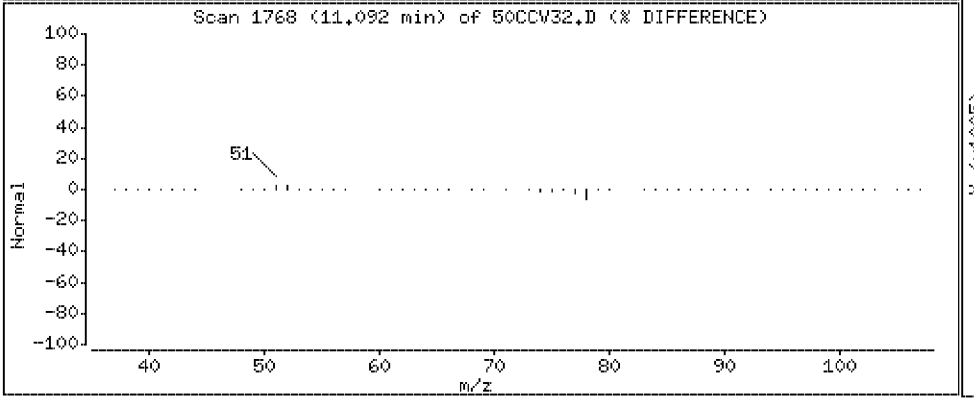
Column phase: DB-624 Column diameter: 0.18

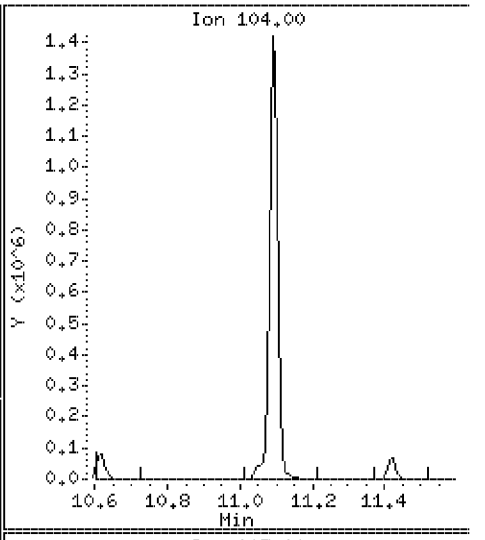
69 Styrene Concentration: 53.0 ug/l

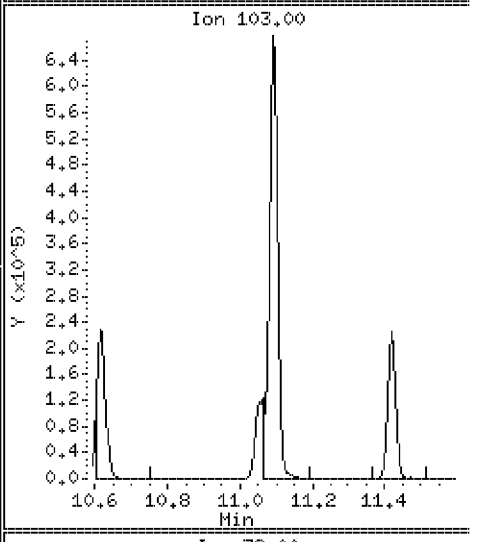


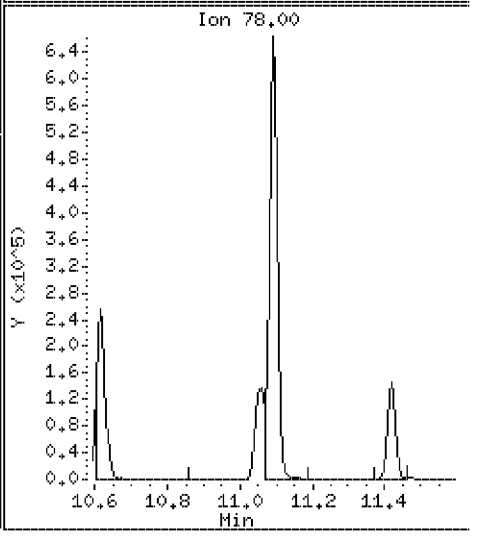












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

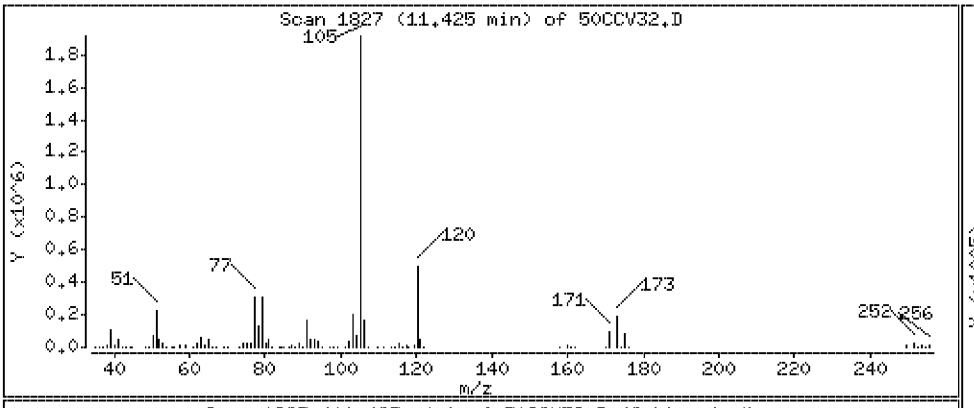
Client ID: 121709CCVA32 Instrument: vms03.i

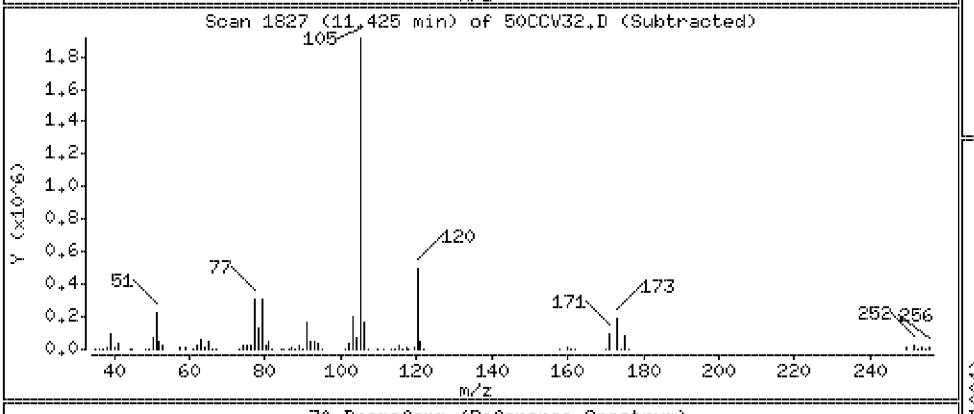
Sample Info: 121709CCVA32

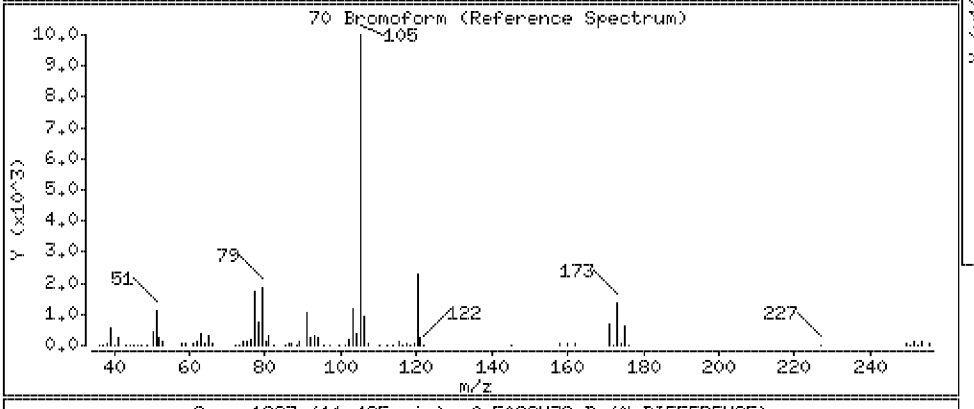
Purge Volume: 5.0 Operator:

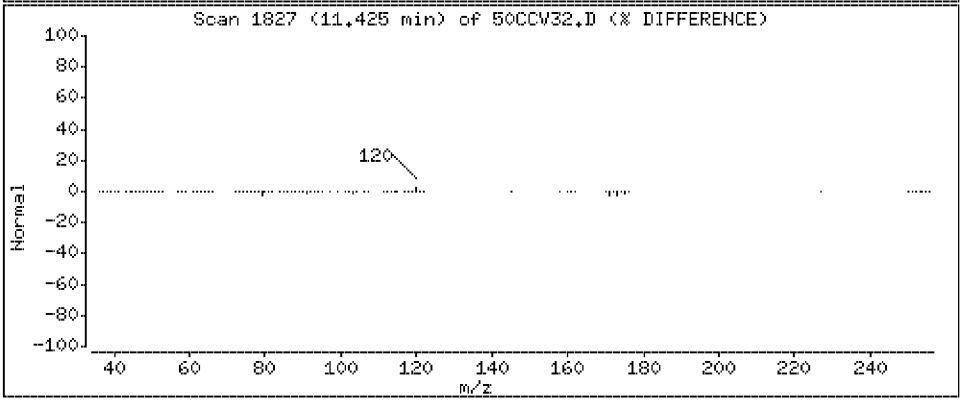
Column phase: DB-624 Column diameter: 0.18

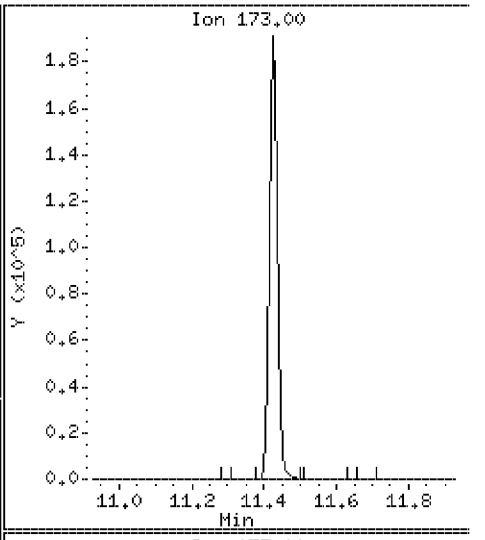
70 Bromoform Concentration: 48.4 ug/l

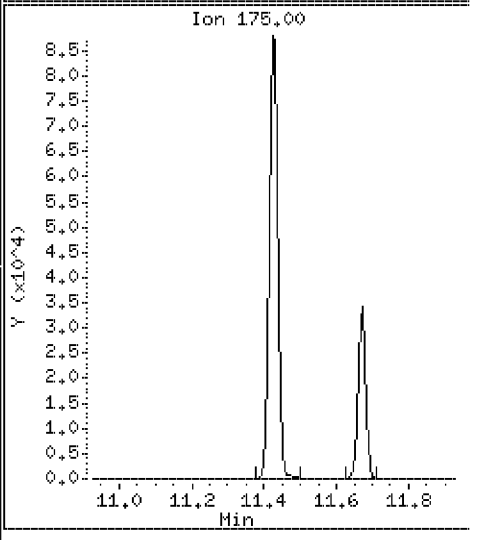












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

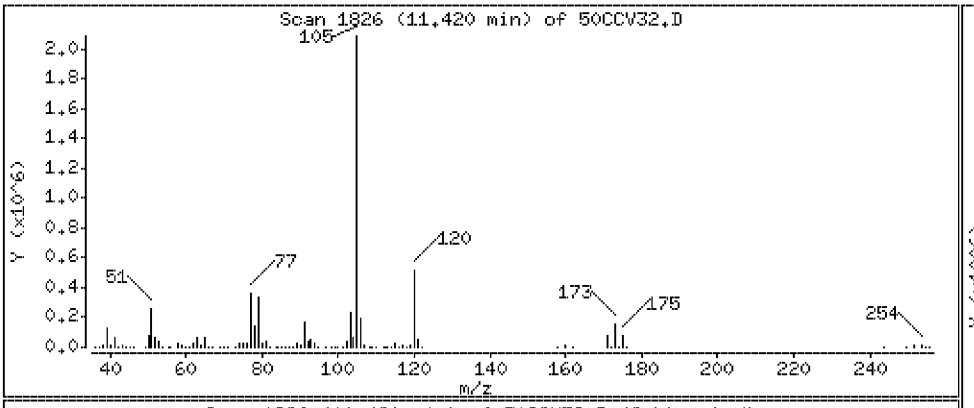
Operator:

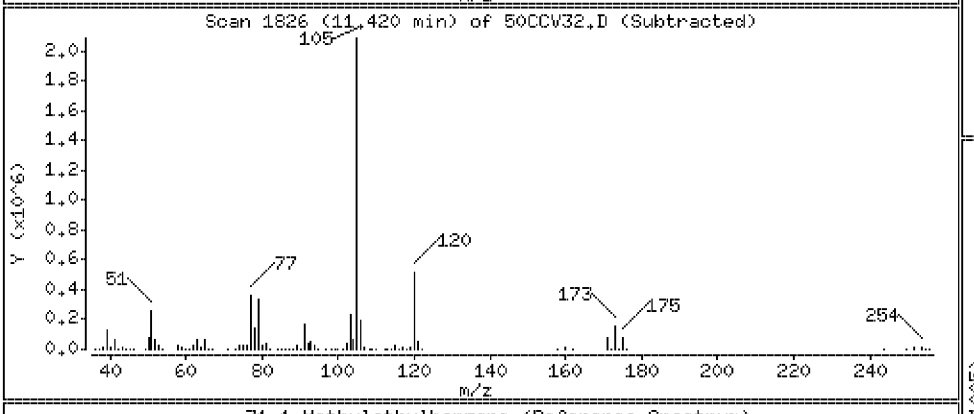
Column phase: DB-624

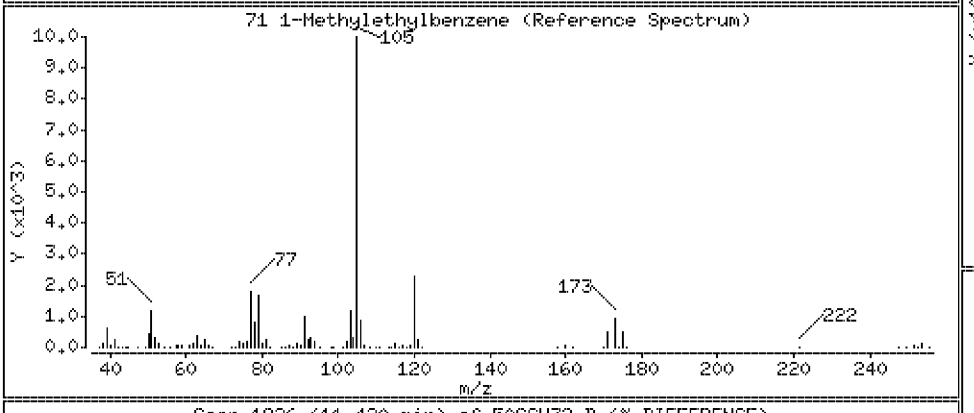
Column diameter: 0.18

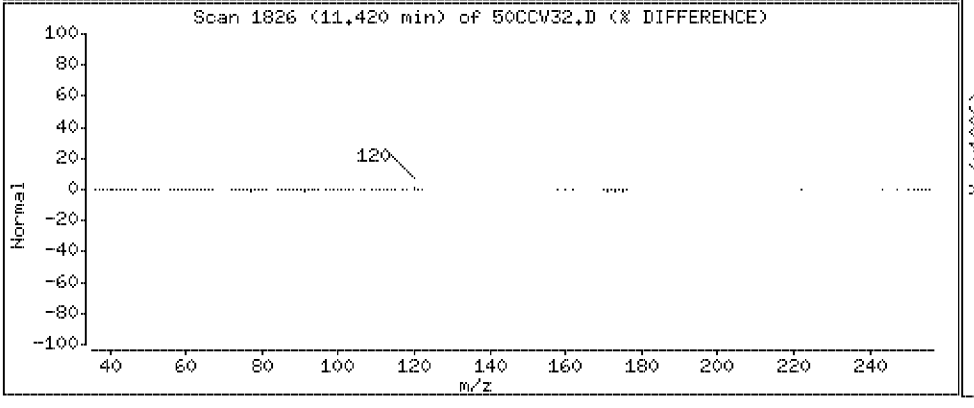
71 1-Methylethylbenzene

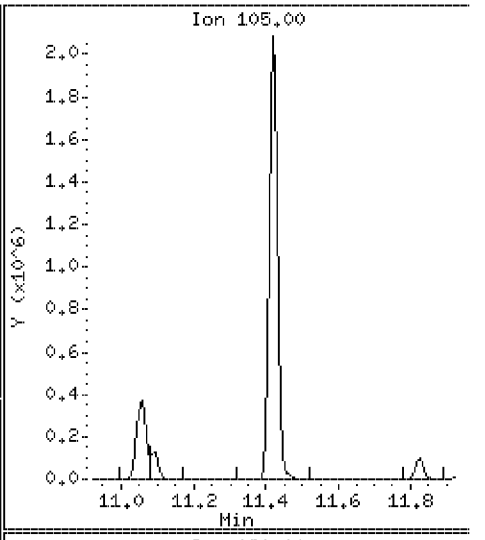
Concentration: 49.8 ug/l

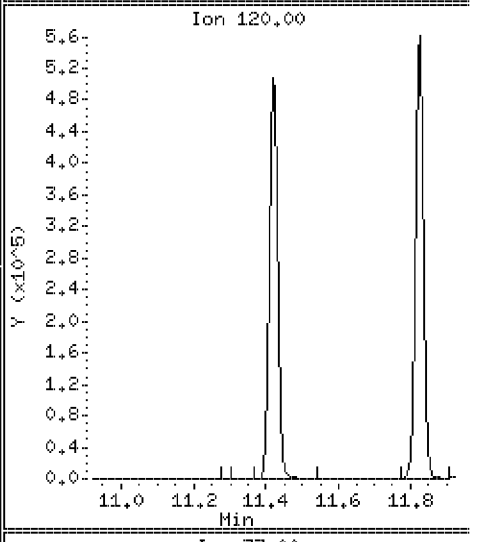


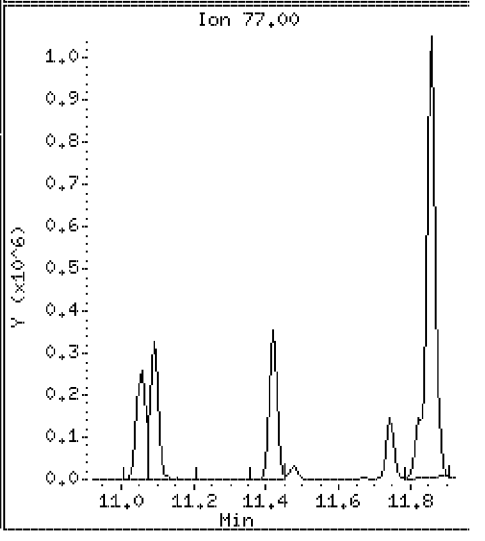












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

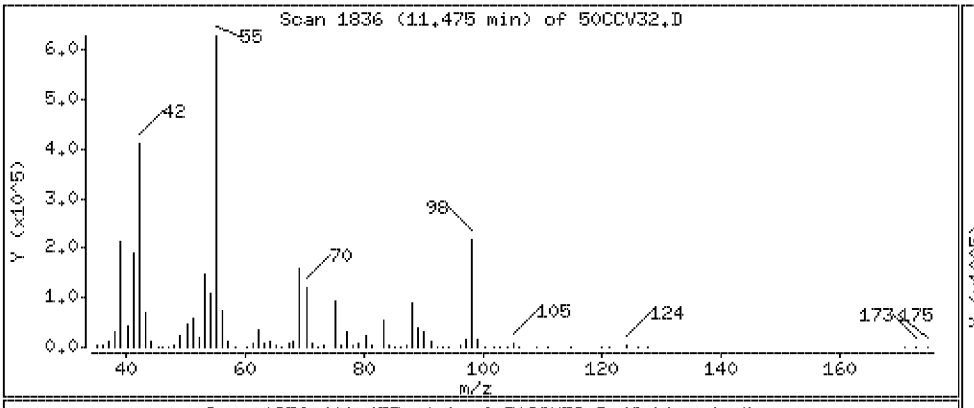
Operator:

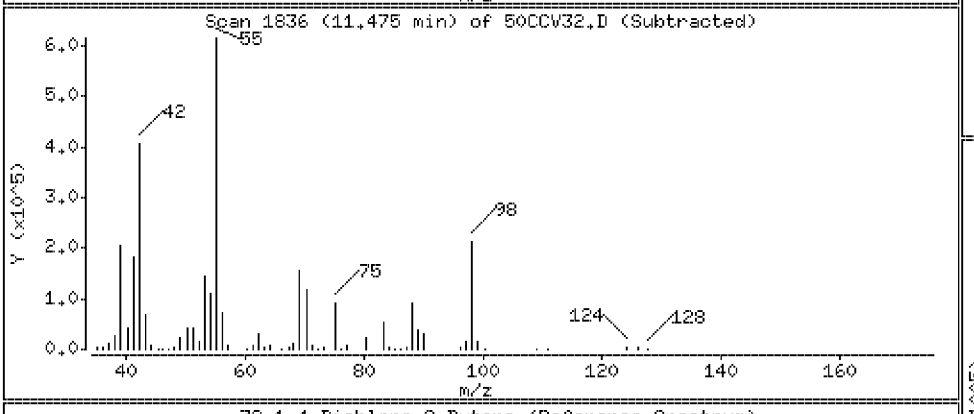
Column phase: DB-624

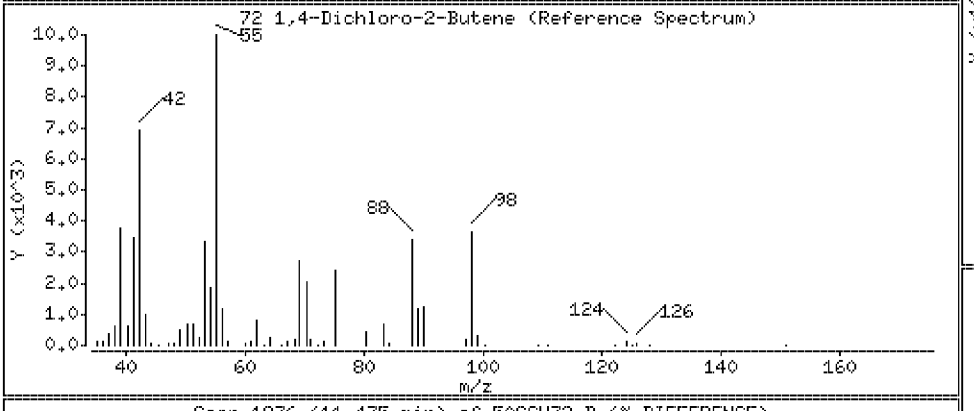
Column diameter: 0.18

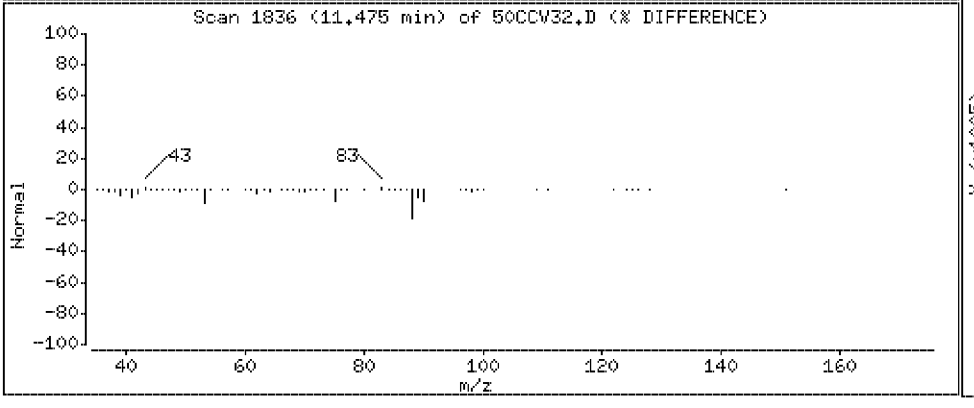
72 1,4-Dichloro-2-Butene

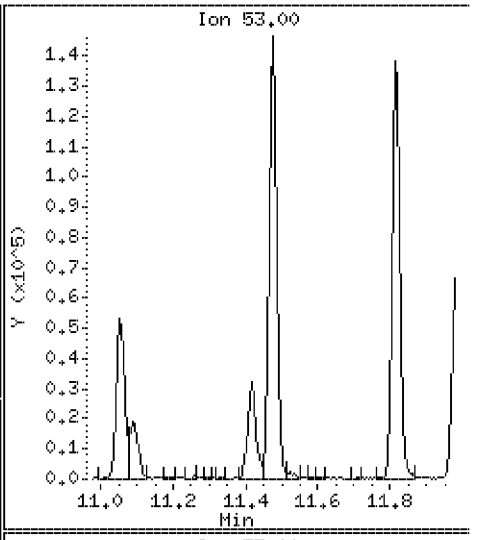
Concentration: 90.7 ug/l

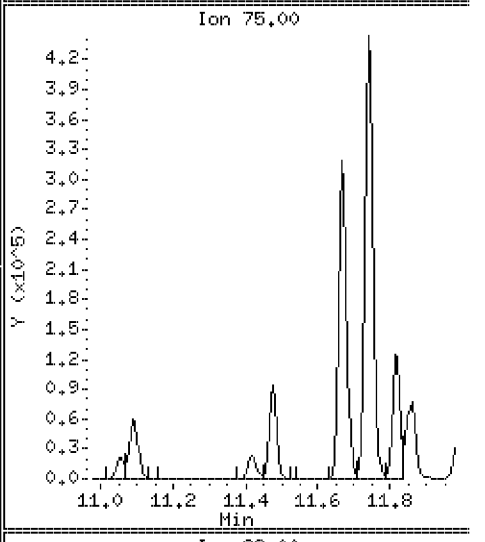


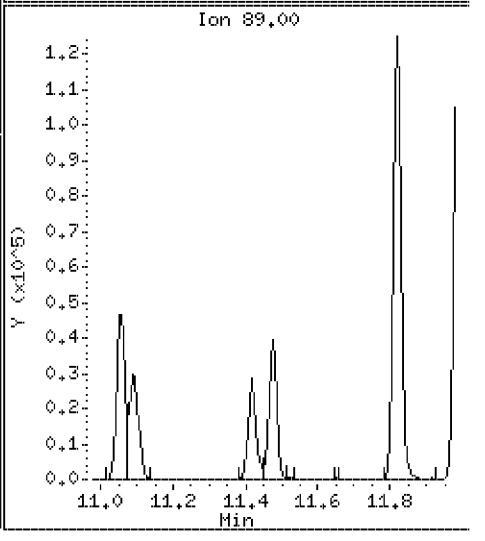












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

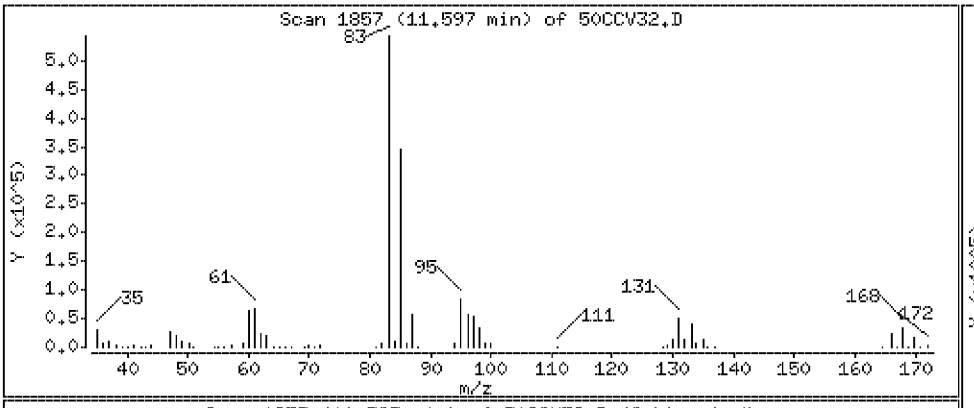
Client ID: 121709CCVA32 Instrument: vms03.i

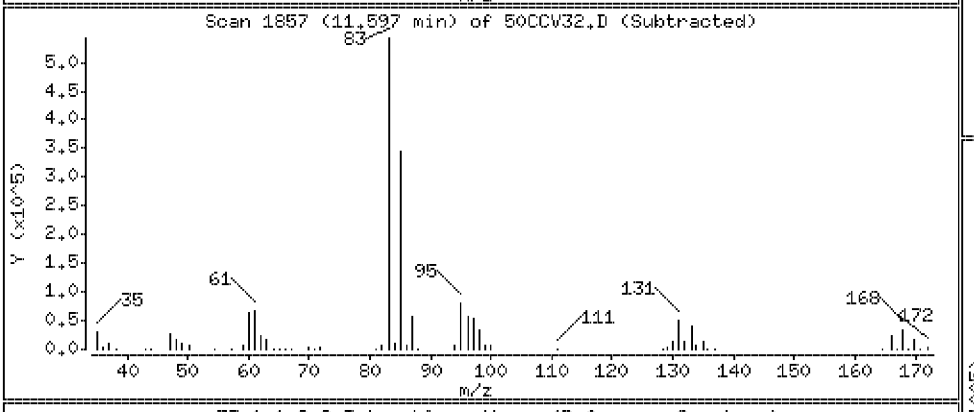
Sample Info: 121709CCVA32

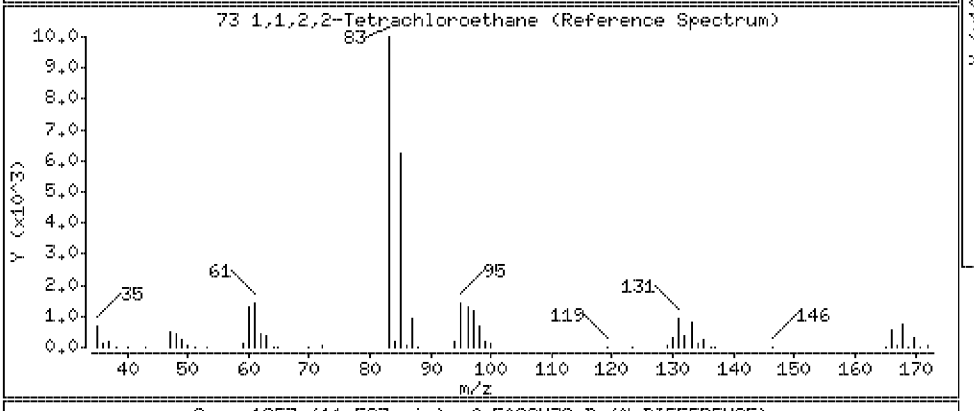
Purge Volume: 5.0 Operator:

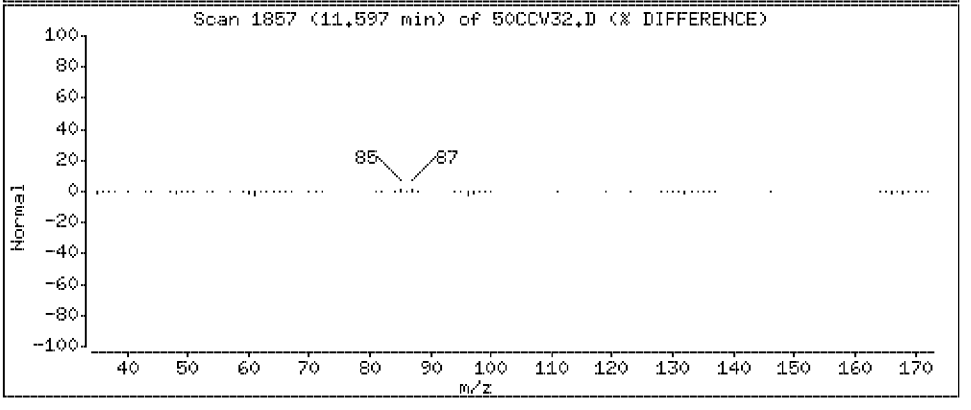
Column phase: DB-624 Column diameter: 0.18

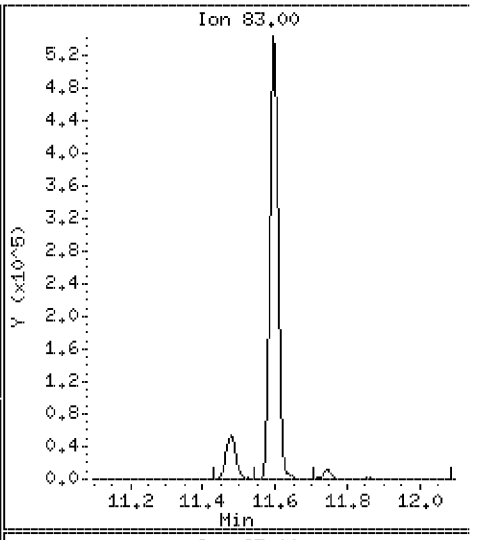
73 1,1,2,2-Tetrachloroethane Concentration: 49.5 ug/l

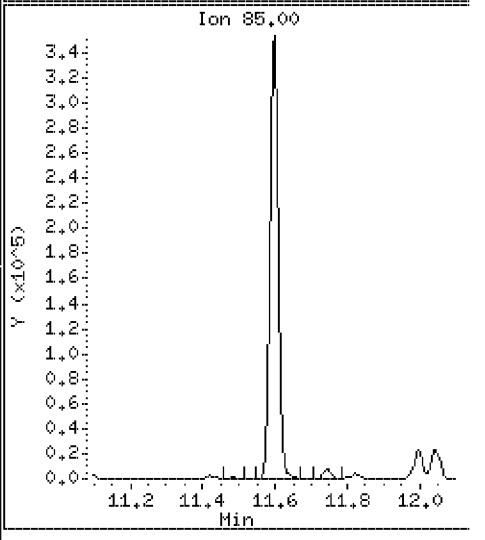












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

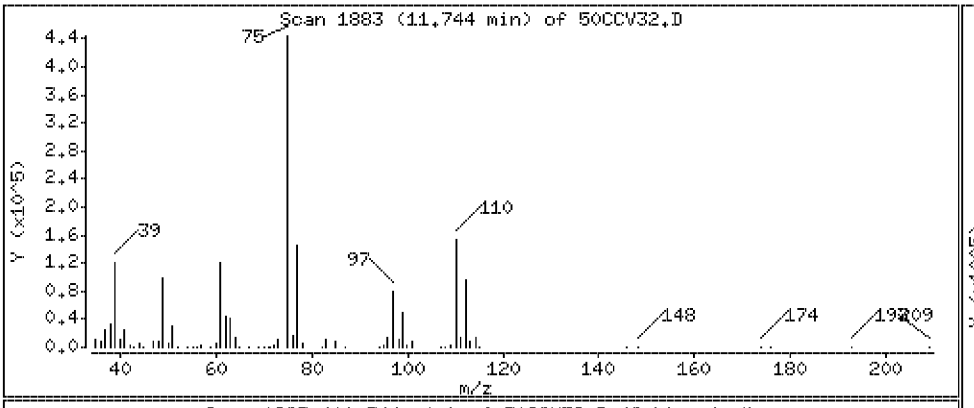
Operator:

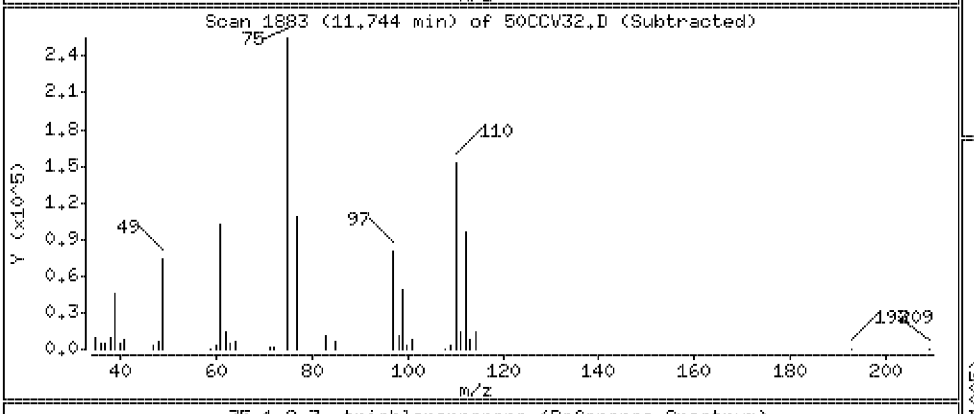
Column phase: DB-624

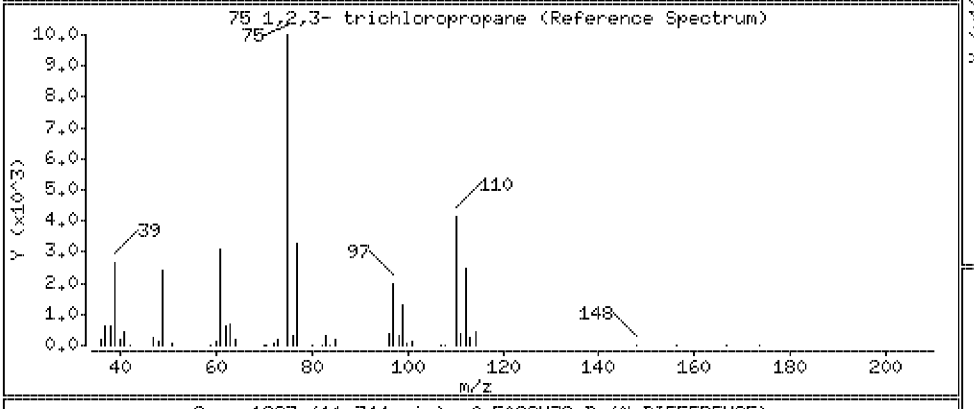
Column diameter: 0.18

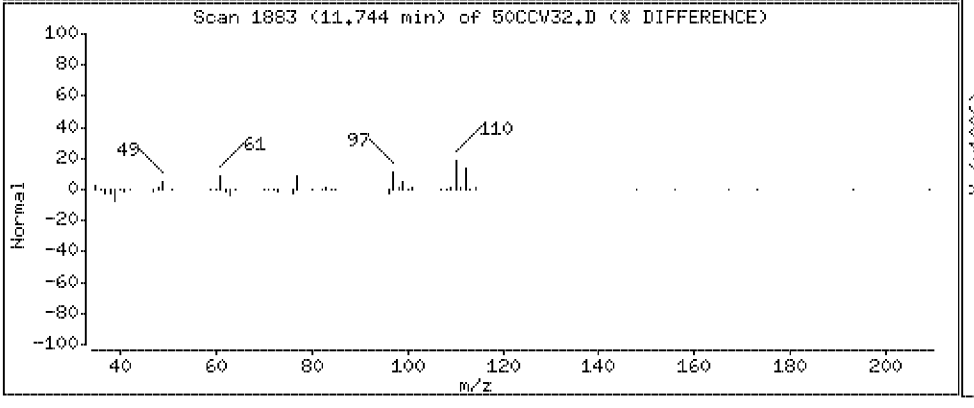
75 1,2,3- trichloropropane

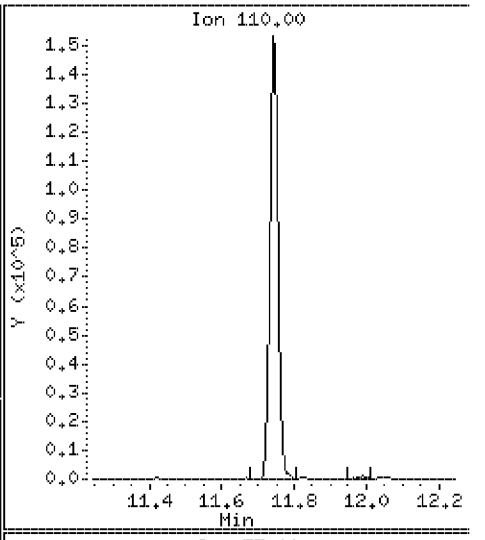
Concentration: 51.6 ug/l

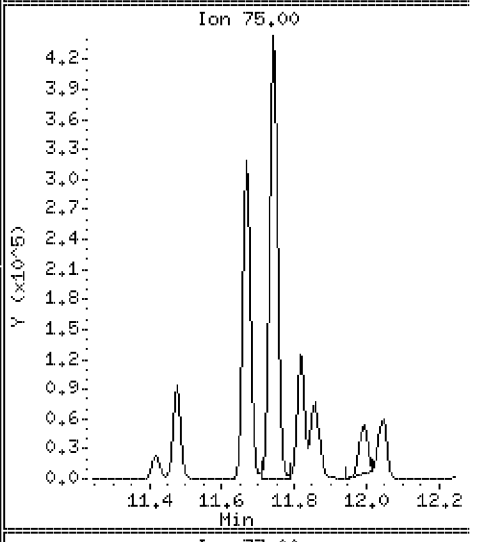


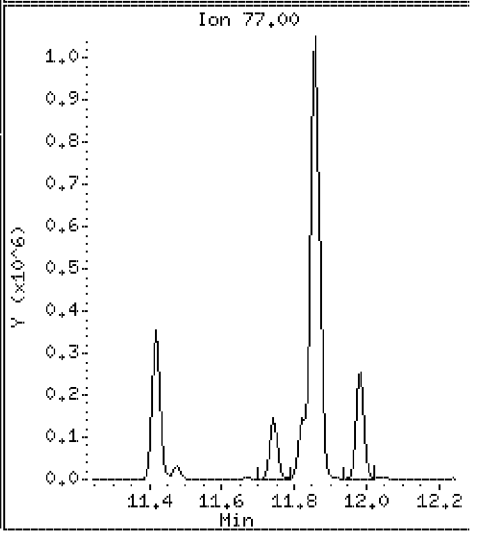












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

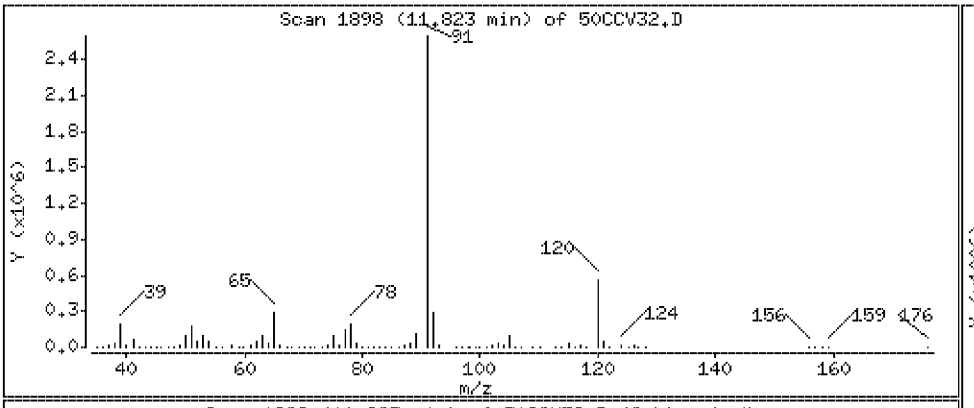
Client ID: 121709CCVA32 Instrument: vms03.i

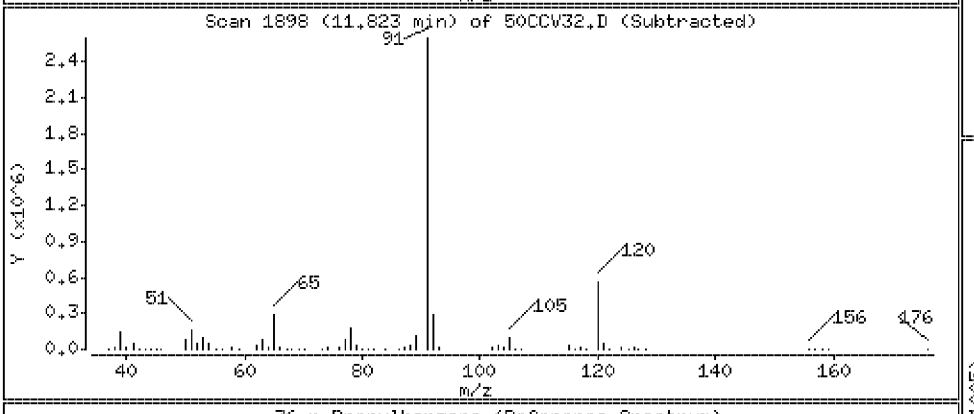
Sample Info: 121709CCVA32

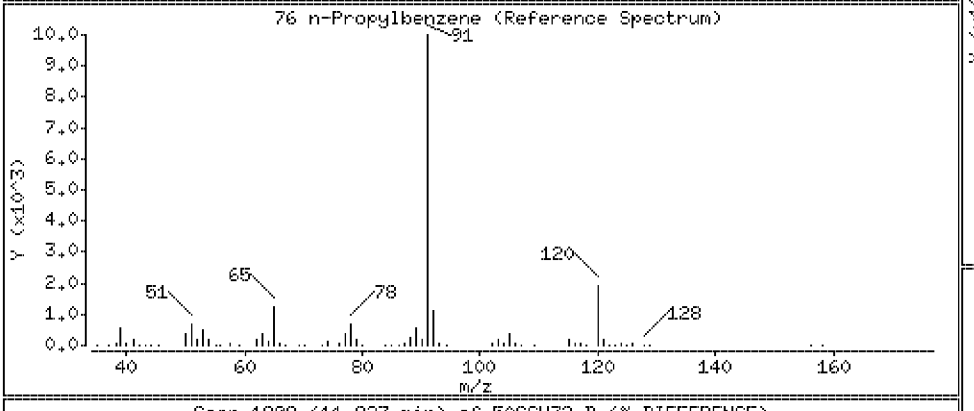
Purge Volume: 5.0 Operator:

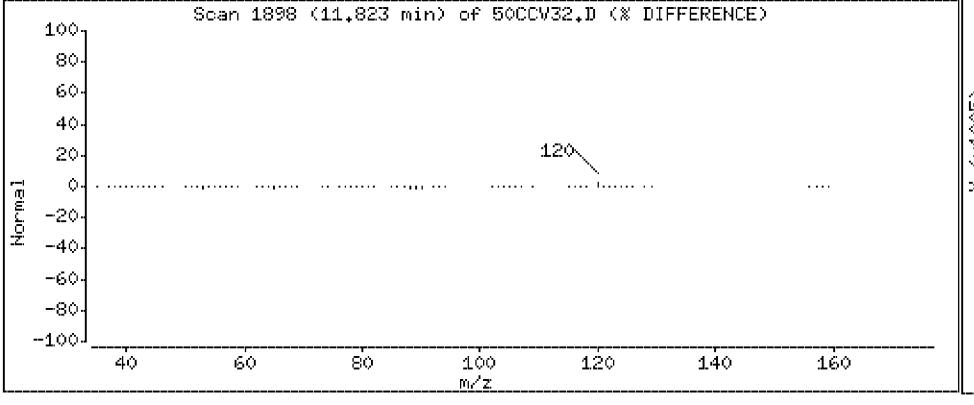
Column phase: DB-624 Column diameter: 0.18

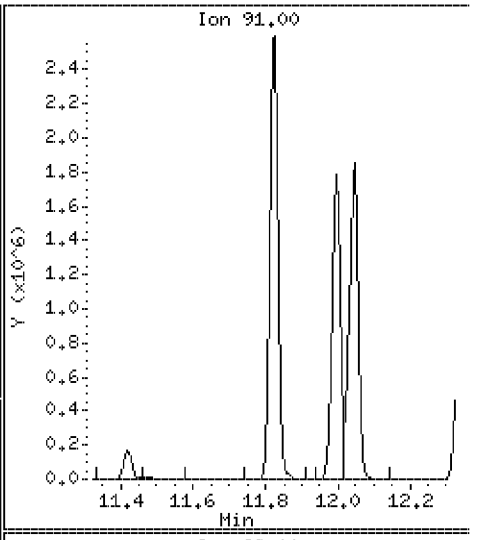
76 n-Propylbenzene Concentration: 50.6 ug/l

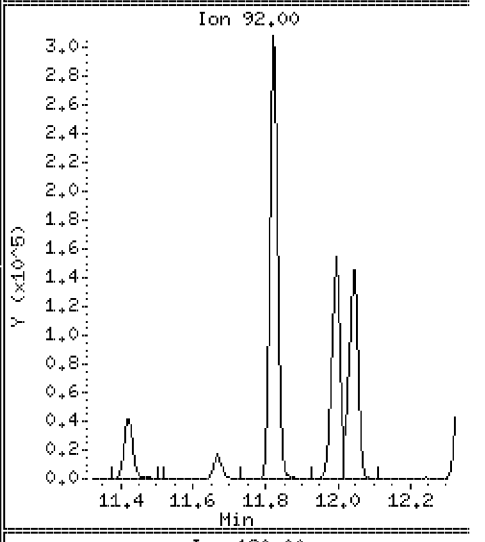


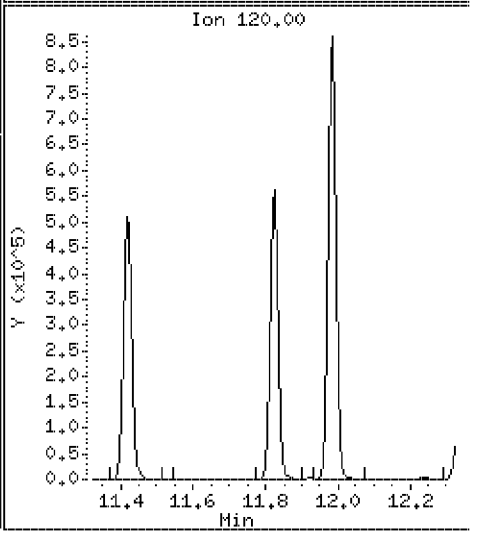












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

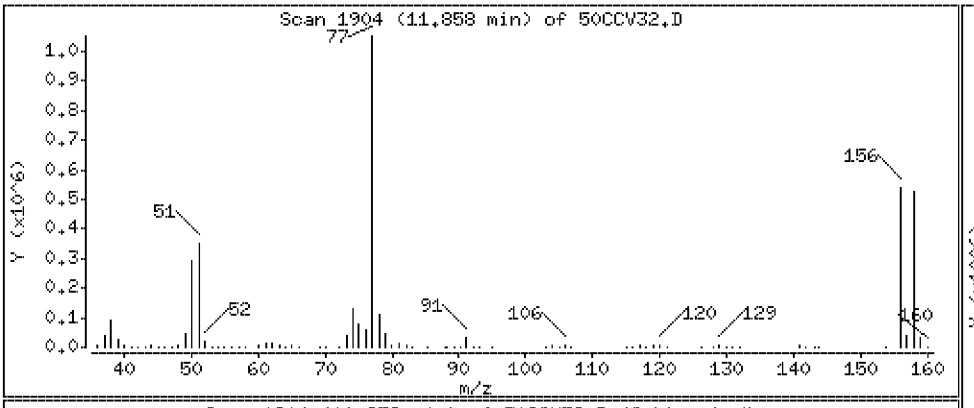
Client ID: 121709CCVA32 Instrument: vms03.i

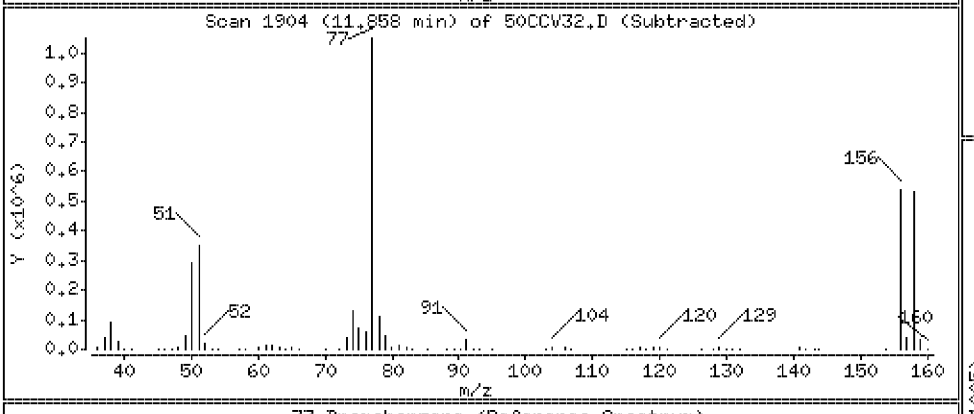
Sample Info: 121709CCVA32

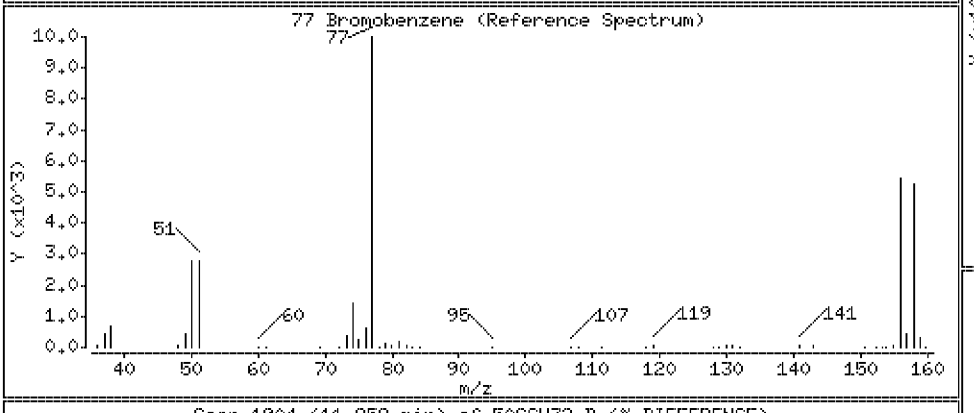
Purge Volume: 5.0 Operator:

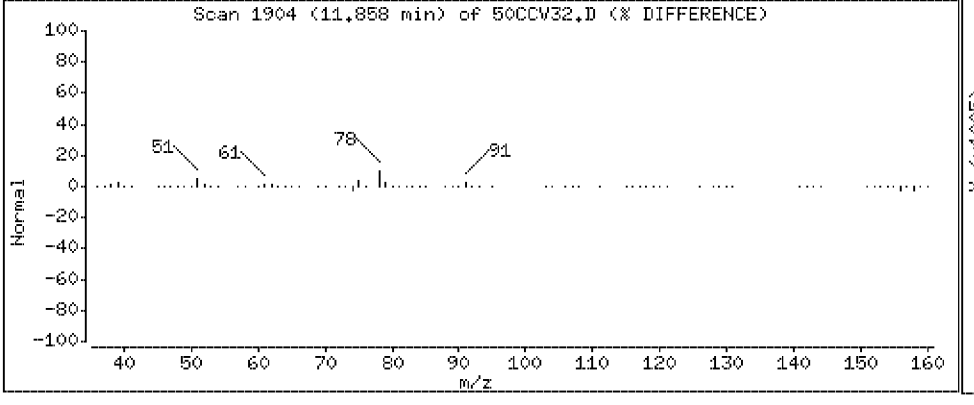
Column phase: DB-624 Column diameter: 0.18

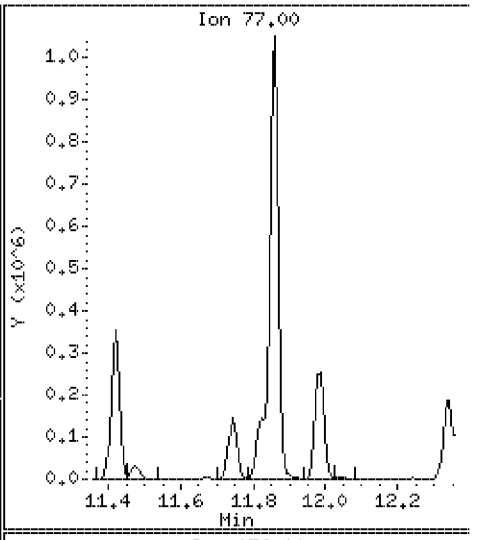
77 Bromobenzene Concentration: 49.3 ug/l

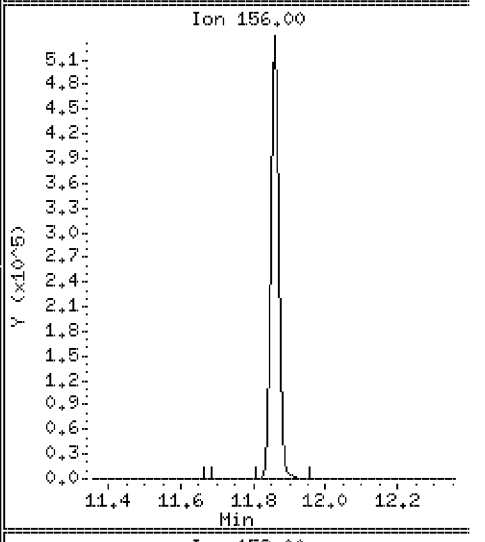


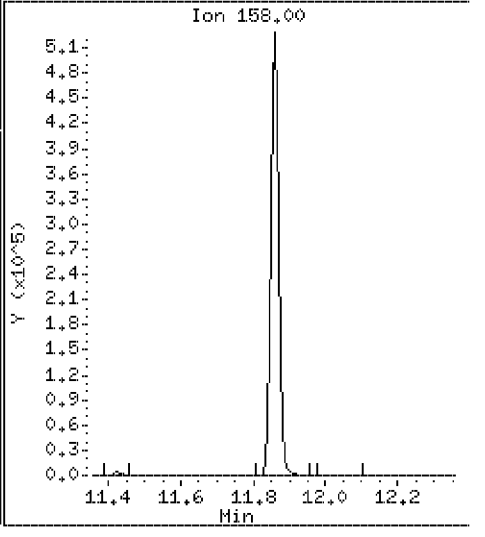












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

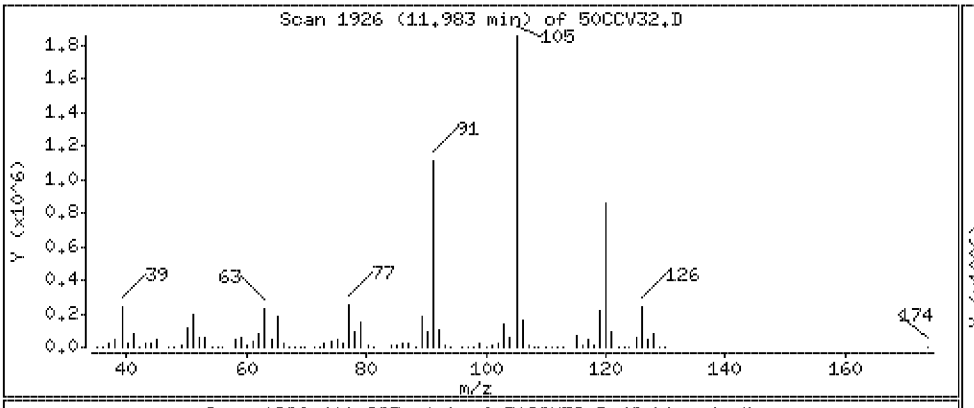
Client ID: 121709CCVA32 Instrument: vms03.i

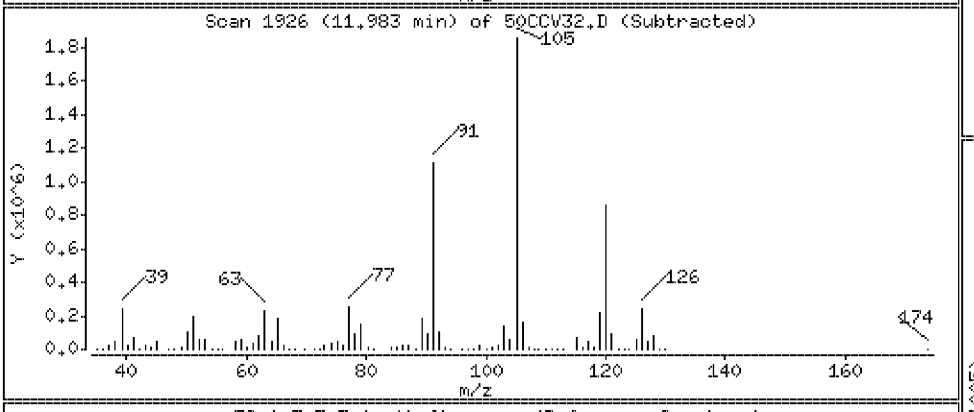
Sample Info: 121709CCVA32

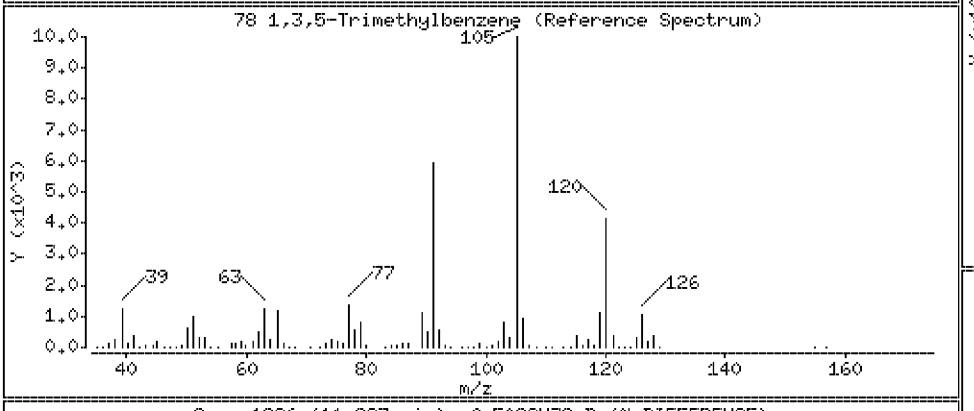
Purge Volume: 5.0 Operator:

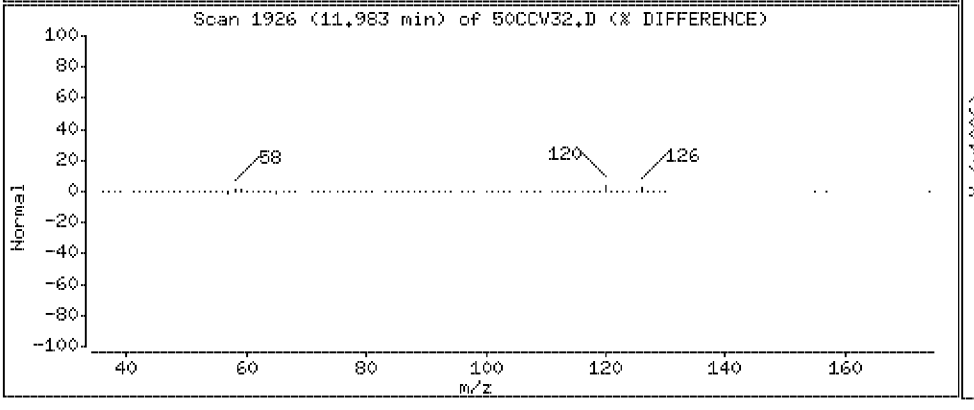
Column phase: DB-624 Column diameter: 0.18

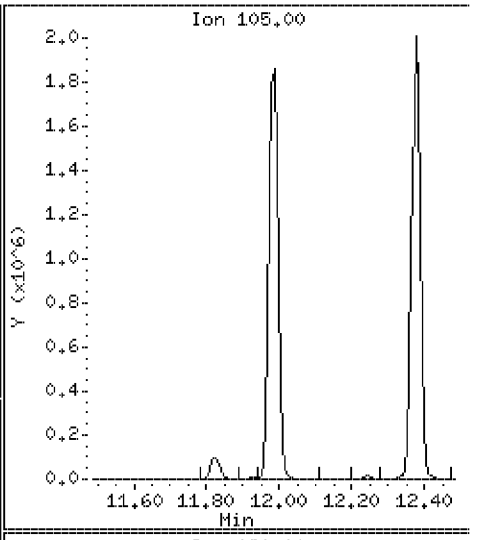
78 1,3,5-Trimethylbenzene Concentration: 50.9 ug/l

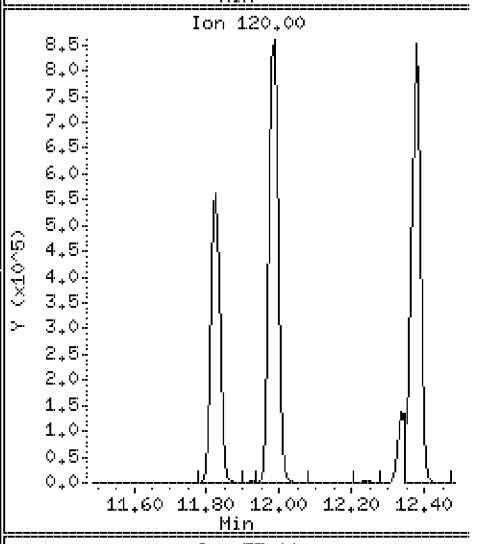


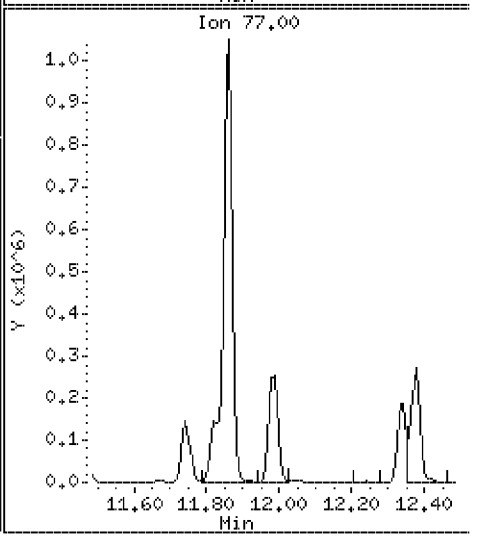












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

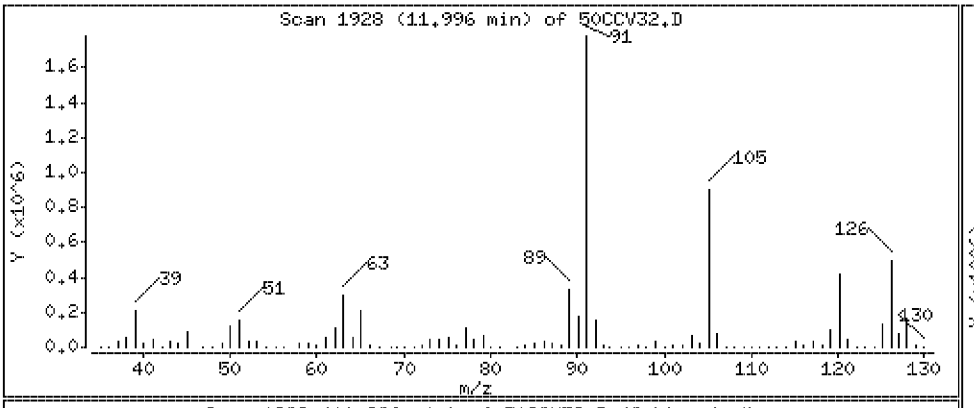
Operator:

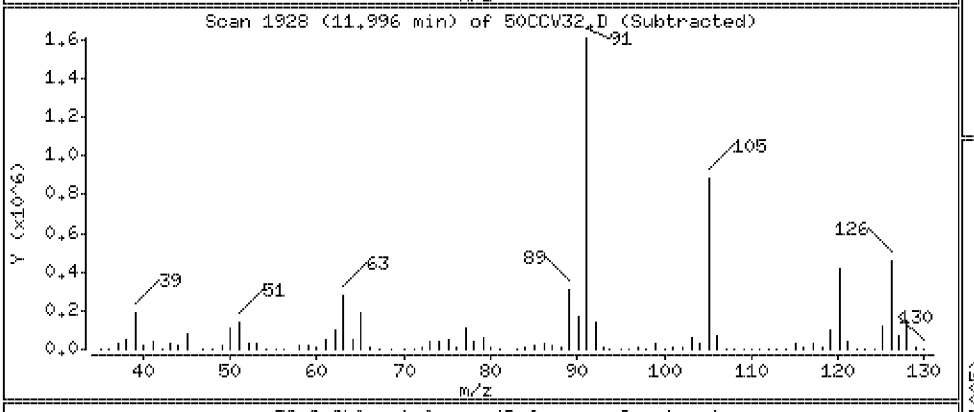
Column phase: DB-624

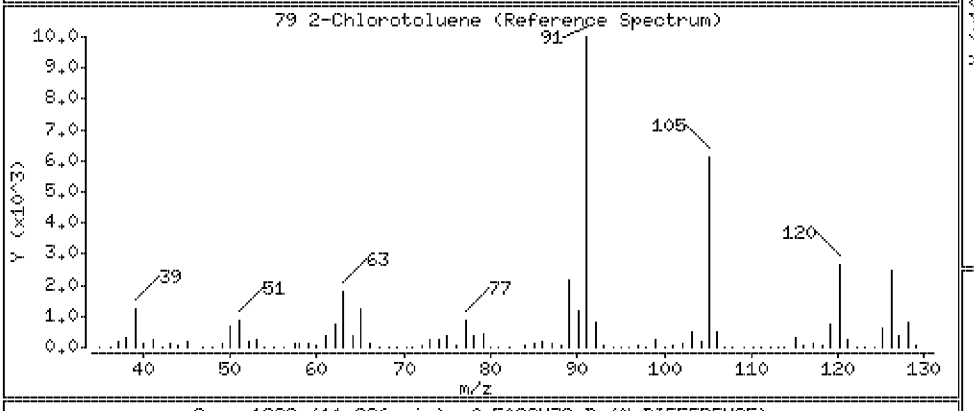
Column diameter: 0.18

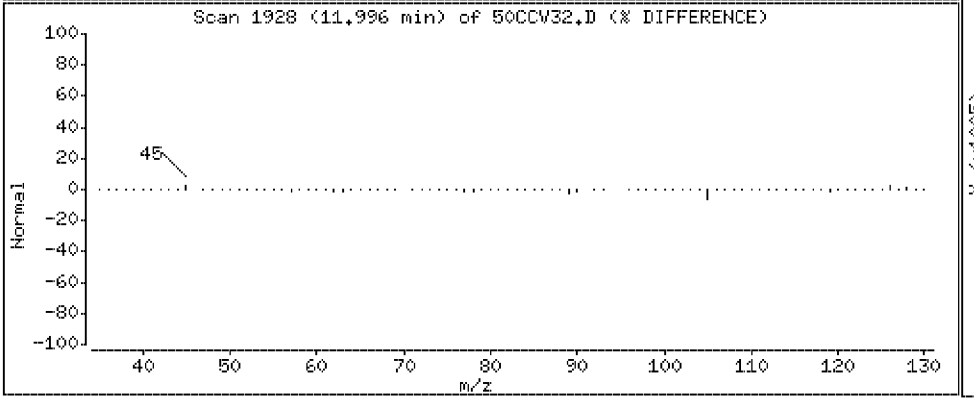
79 2-Chlorotoluene

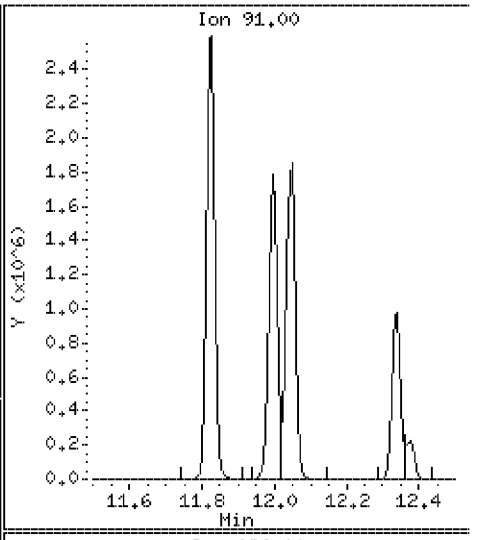
Concentration: 49.4 ug/l

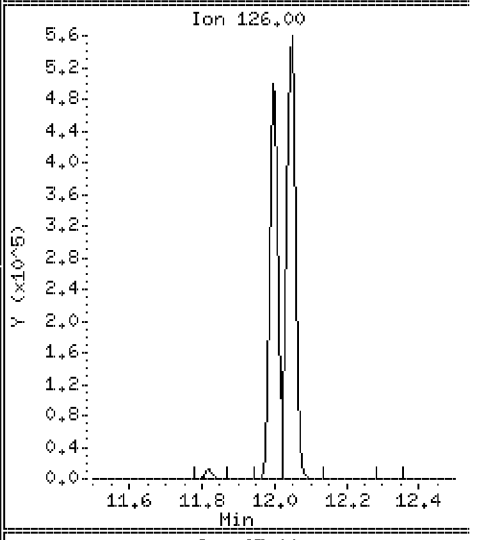


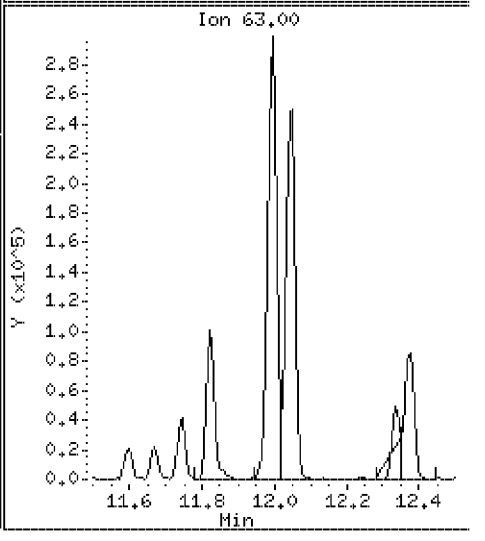












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

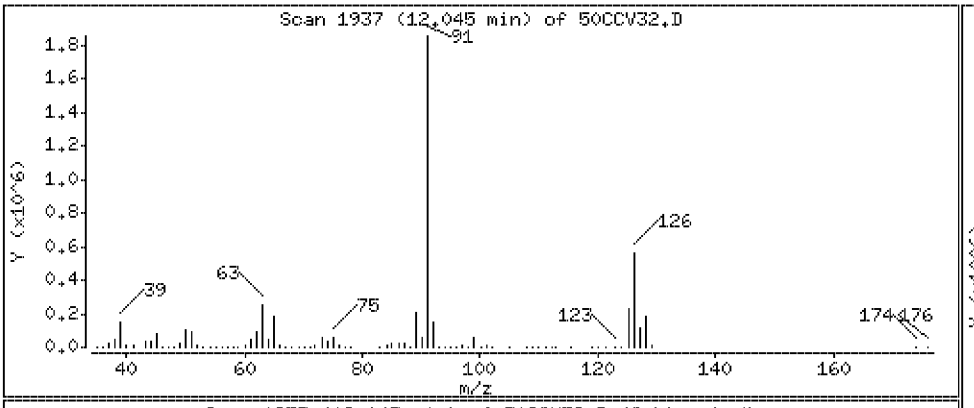
Client ID: 121709CCVA32 Instrument: vms03.i

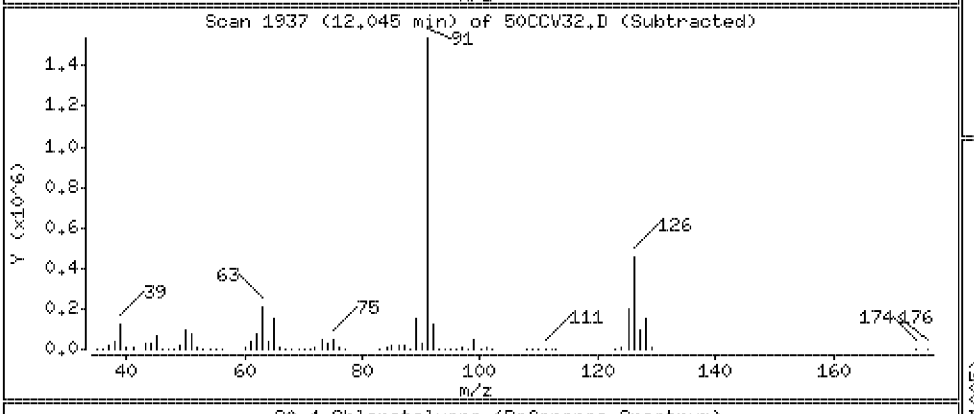
Sample Info: 121709CCVA32

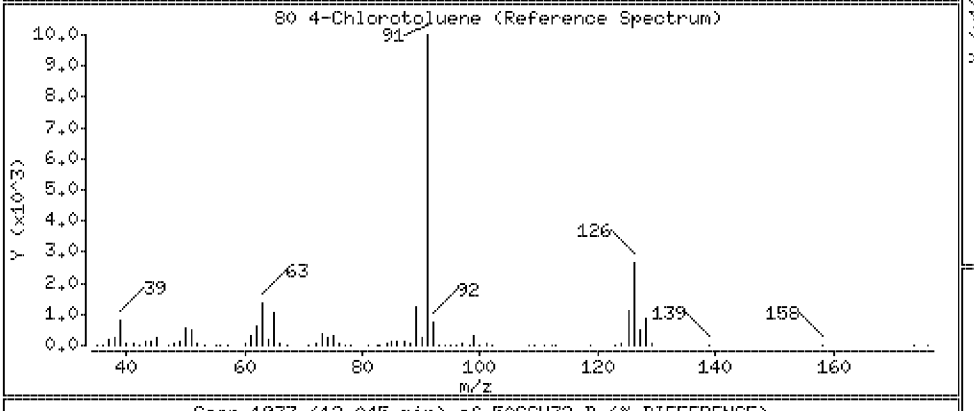
Purge Volume: 5.0 Operator:

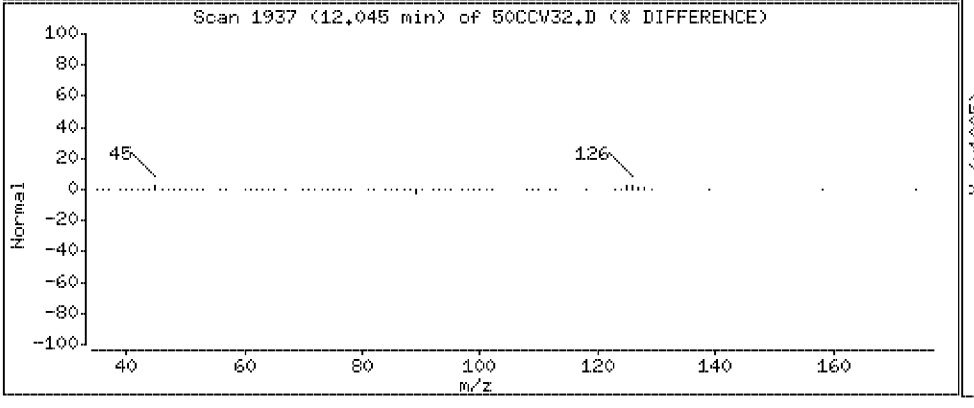
Column phase: DB-624 Column diameter: 0.18

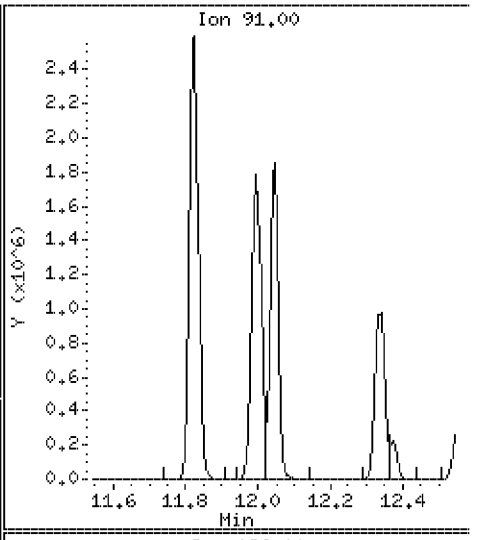
80 4-Chlorotoluene Concentration: 48.9 ug/l

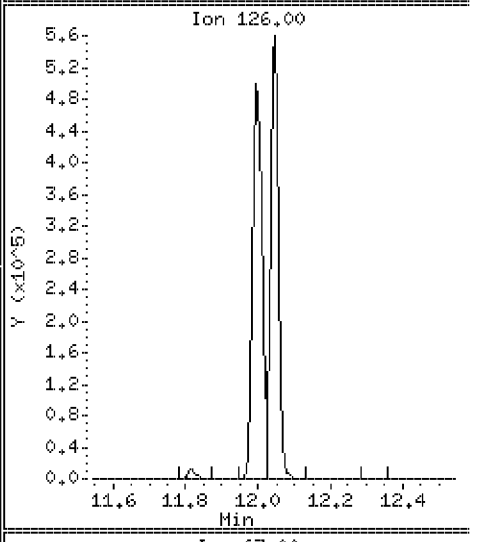


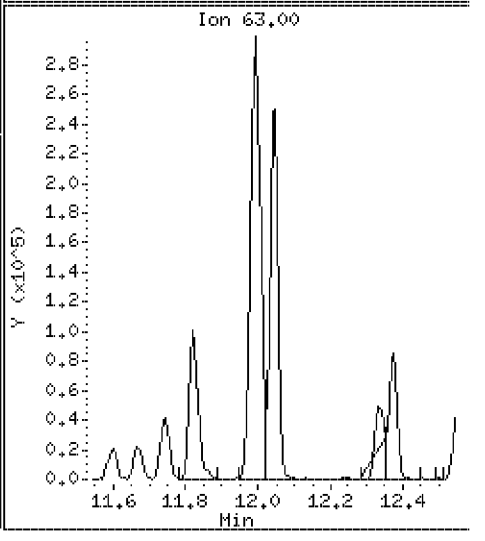












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

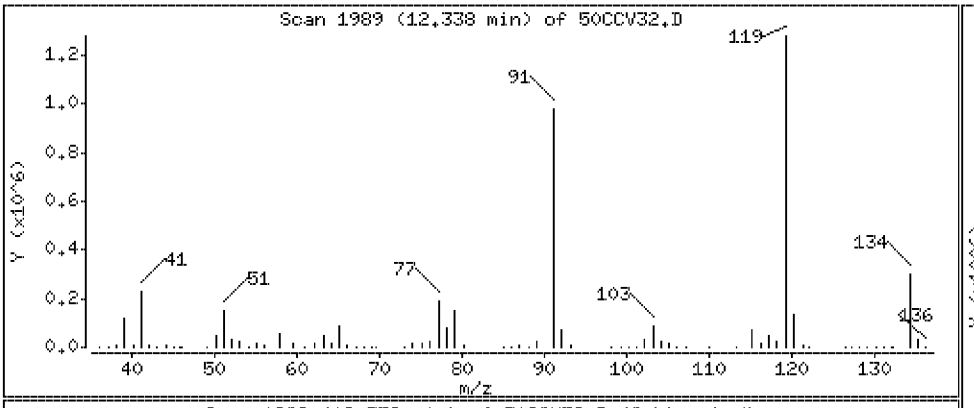
Client ID: 121709CCVA32 | Instrument: vms03.i

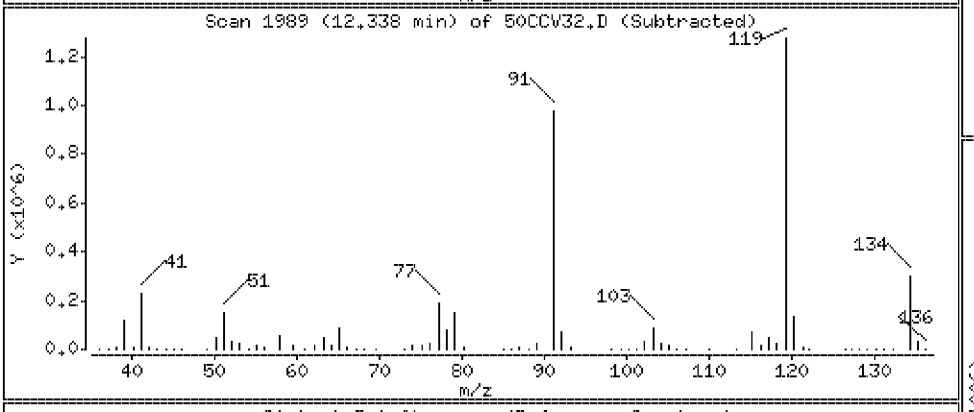
Sample Info: 121709CCVA32

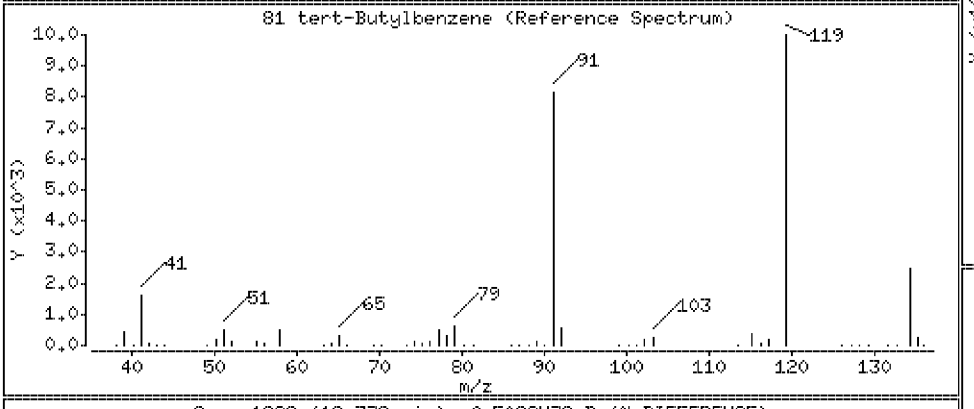
Purge Volume: 5.0 | Operator:

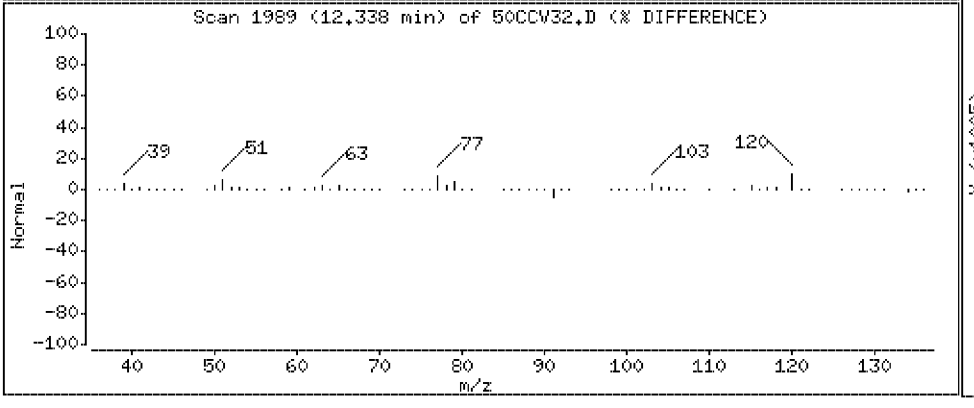
Column phase: DB-624 | Column diameter: 0.18

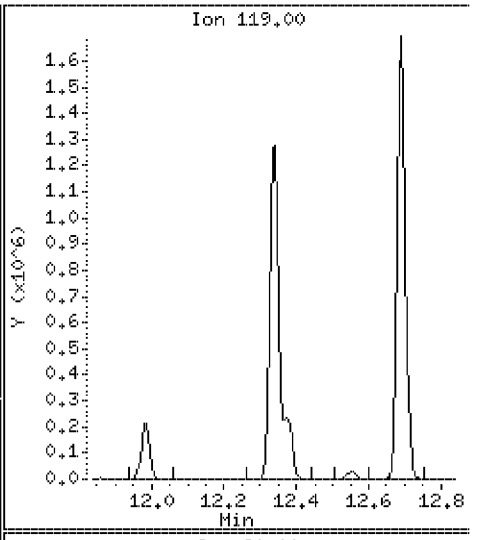
81 tert-Butylbenzene | Concentration: 52.8 ug/l

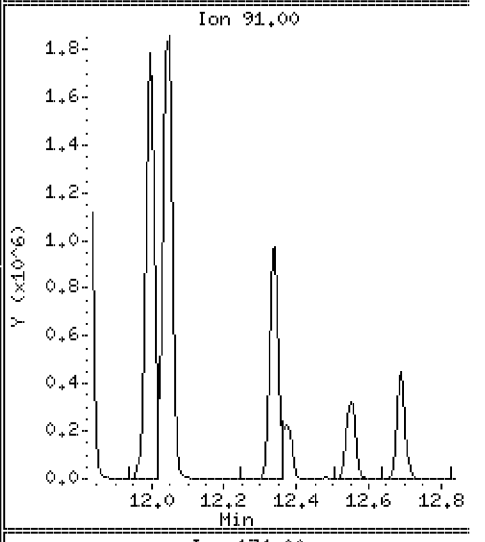


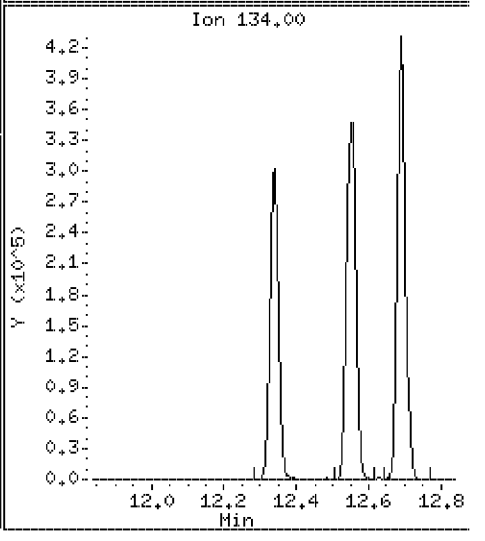












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

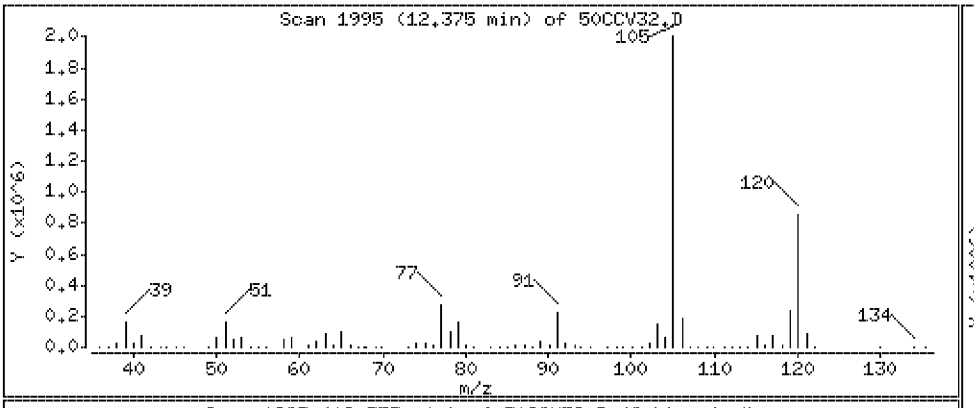
Operator:

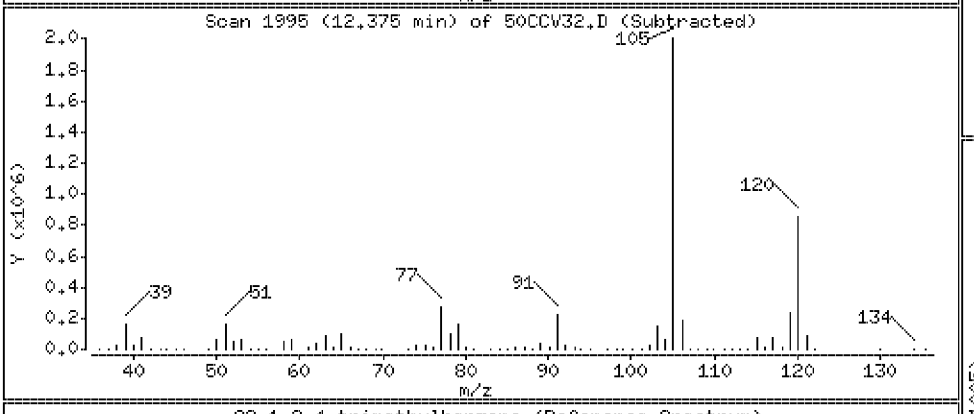
Column phase: DB-624

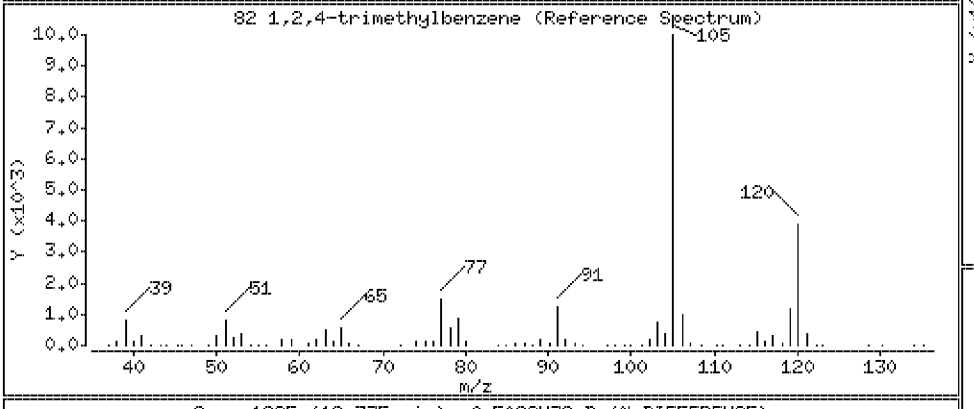
Column diameter: 0.18

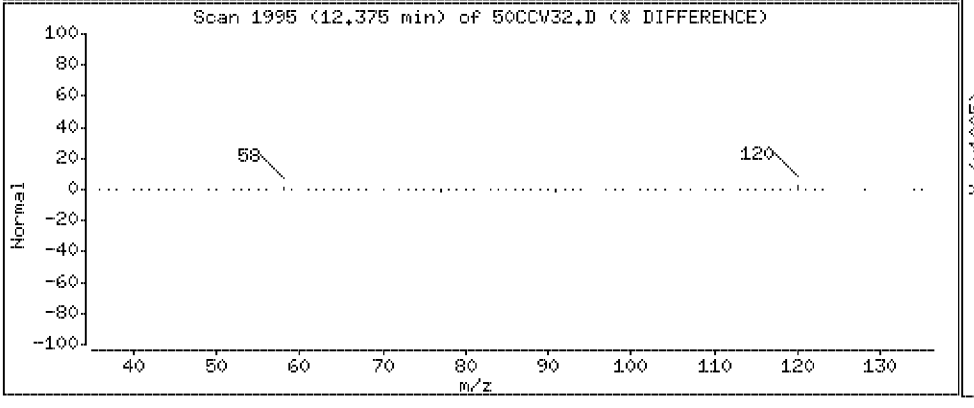
82 1,2,4-trimethylbenzene

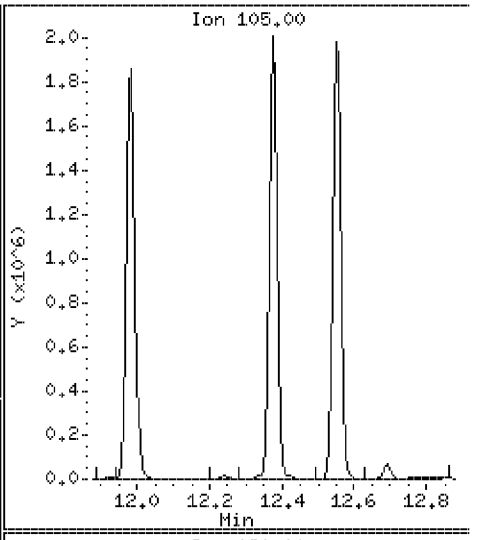
Concentration: 50.2 ug/l

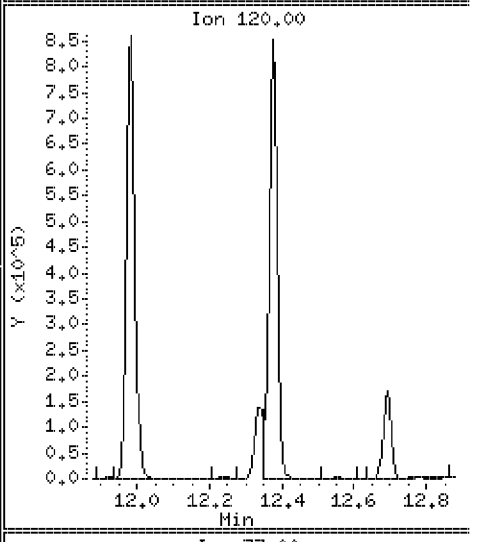


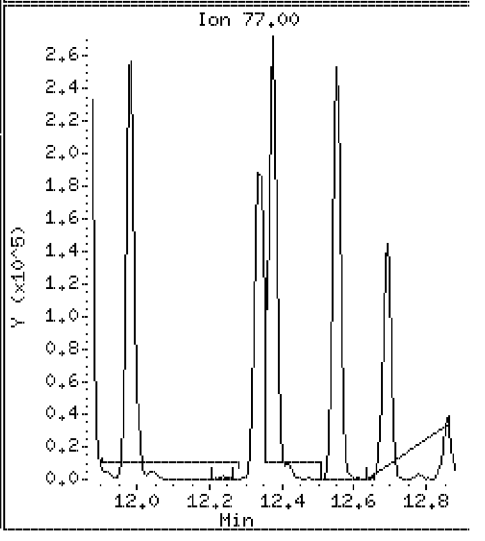












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

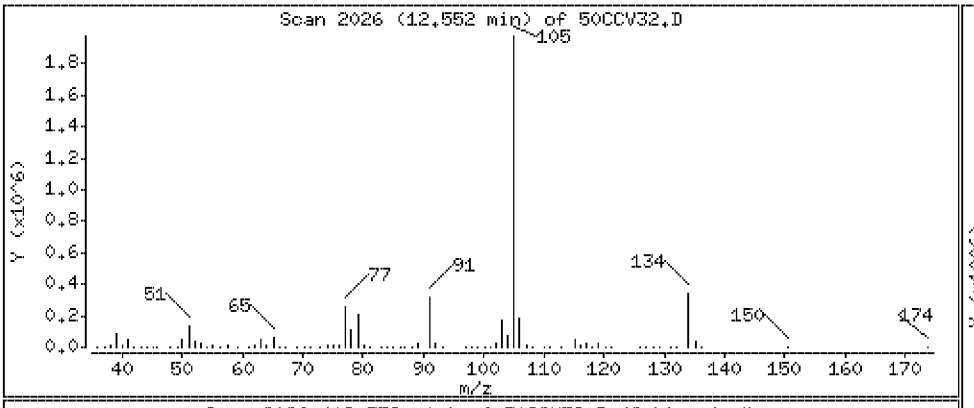
Operator:

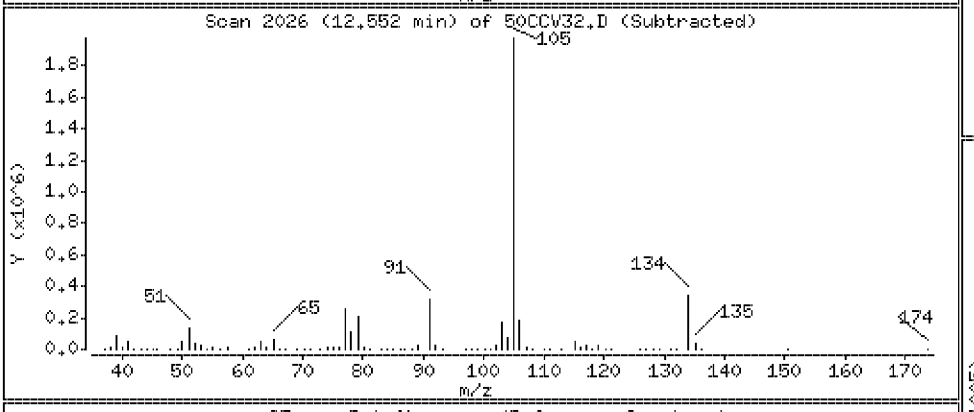
Column phase: DB-624

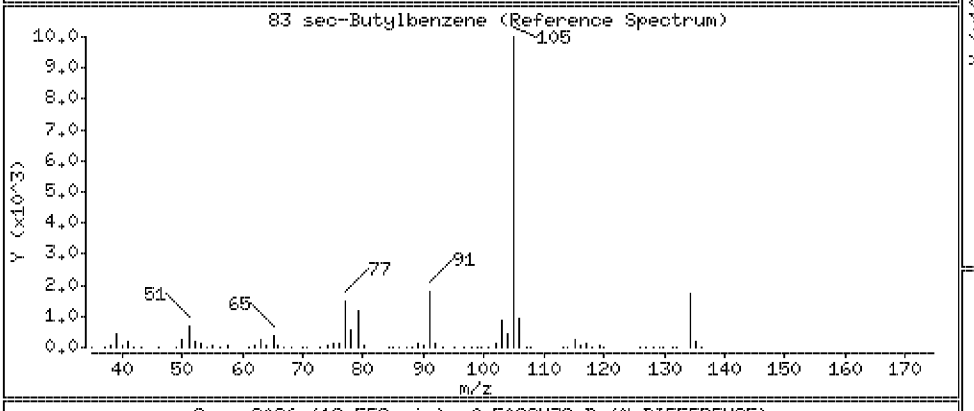
Column diameter: 0.18

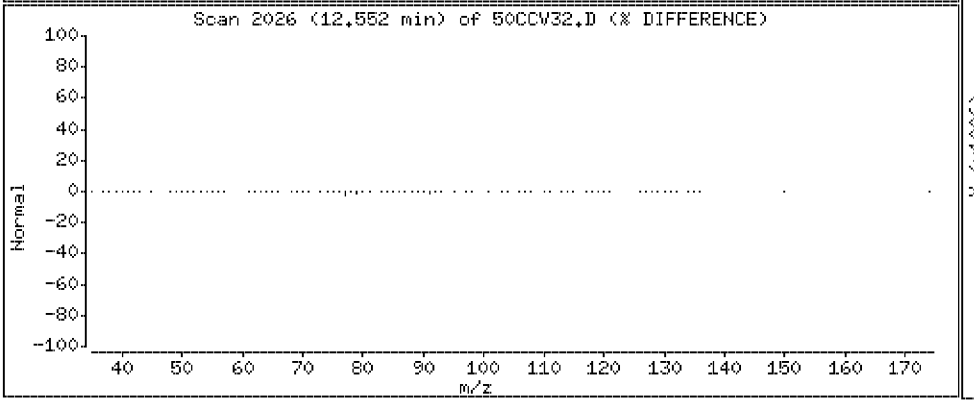
83 sec-Butylbenzene

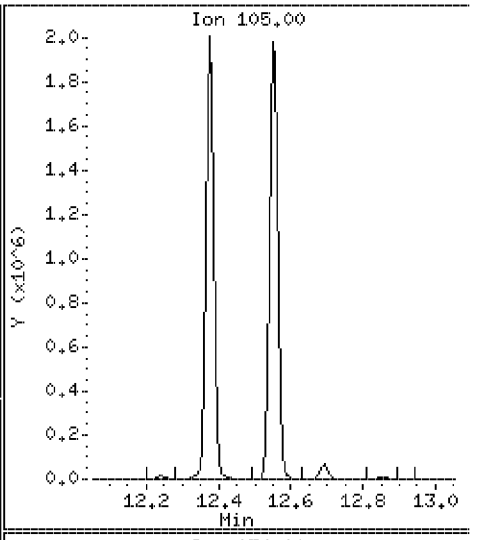
Concentration: 51.6 ug/l

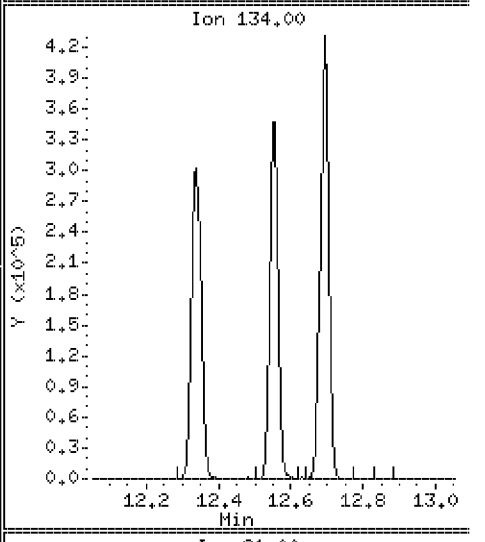


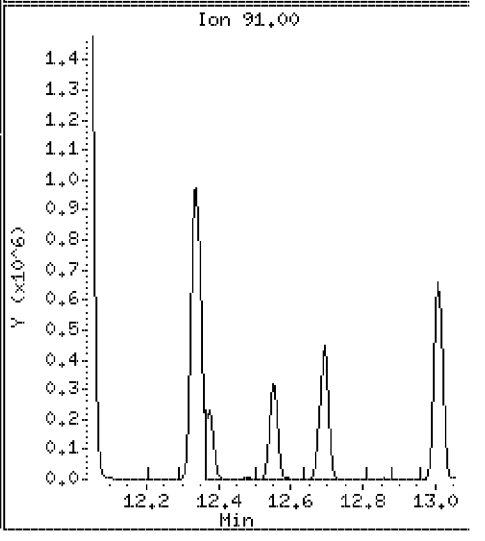












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

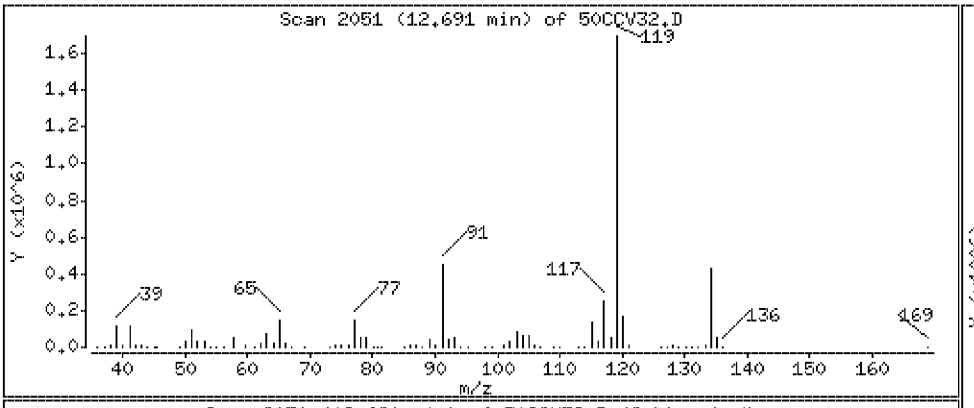
Operator:

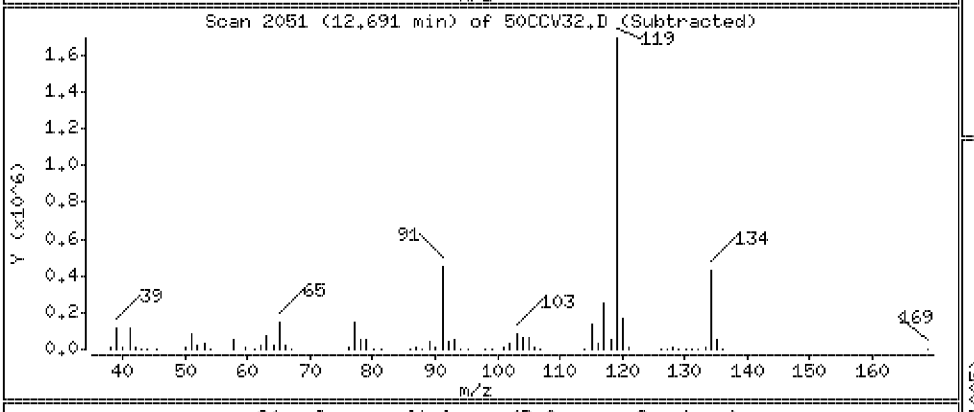
Column phase: DB-624

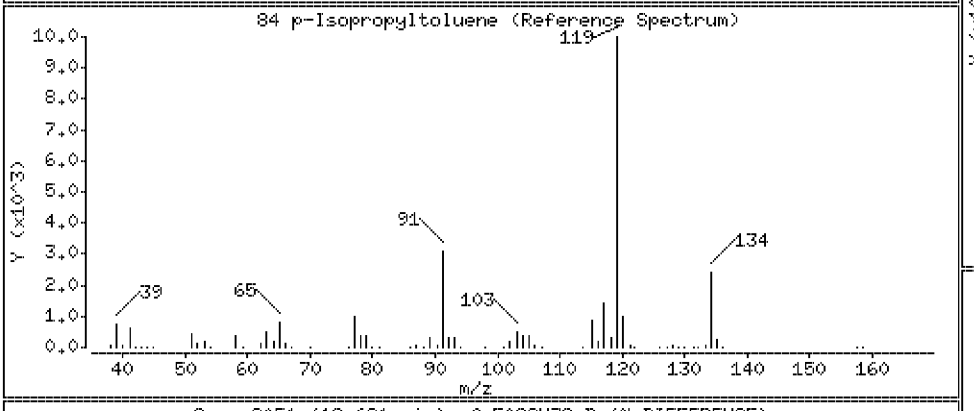
Column diameter: 0.18

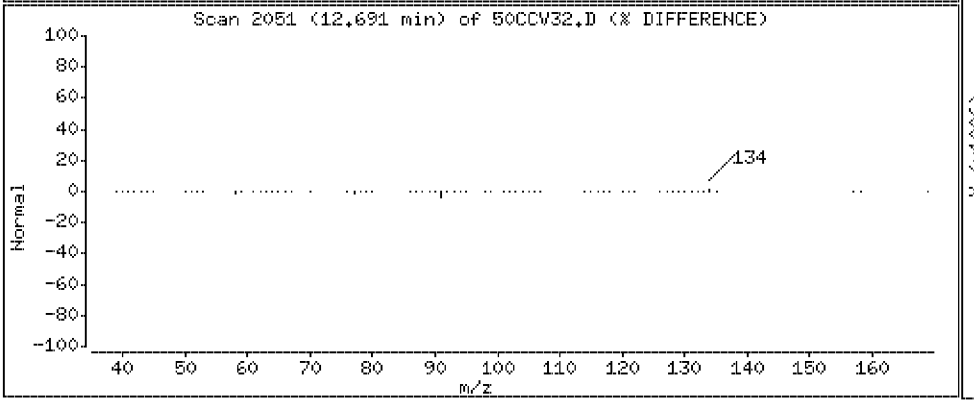
84 p-Isopropyltoluene

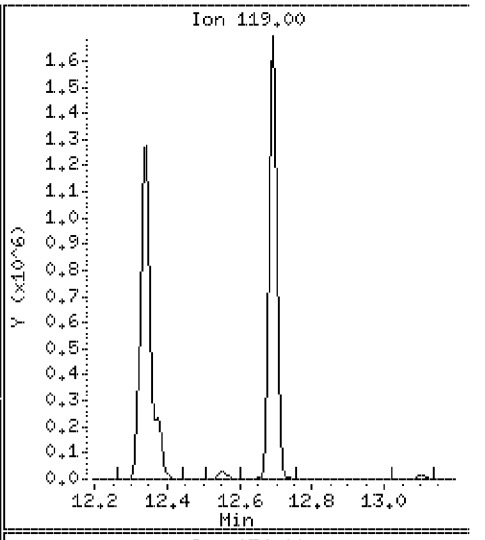
Concentration: 52.4 ug/l

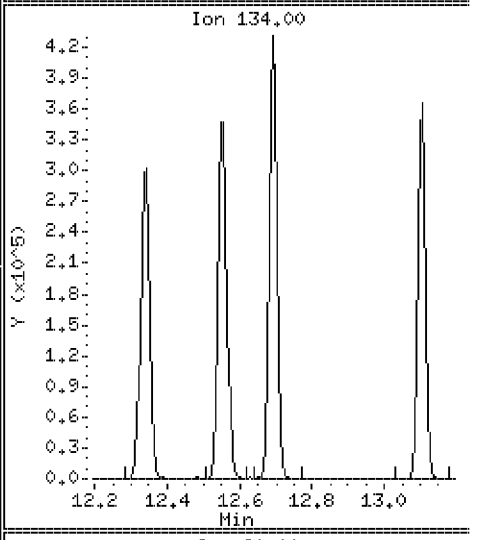


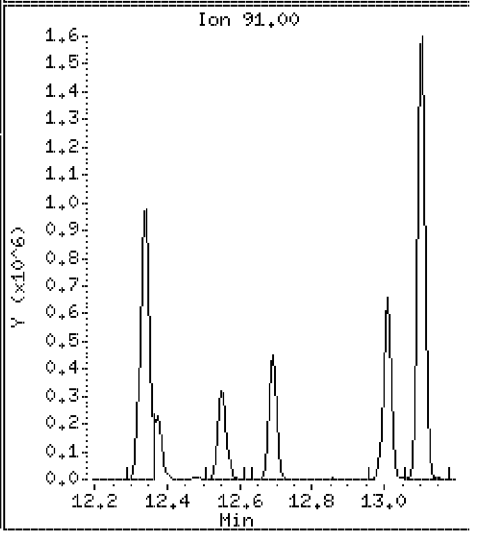












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

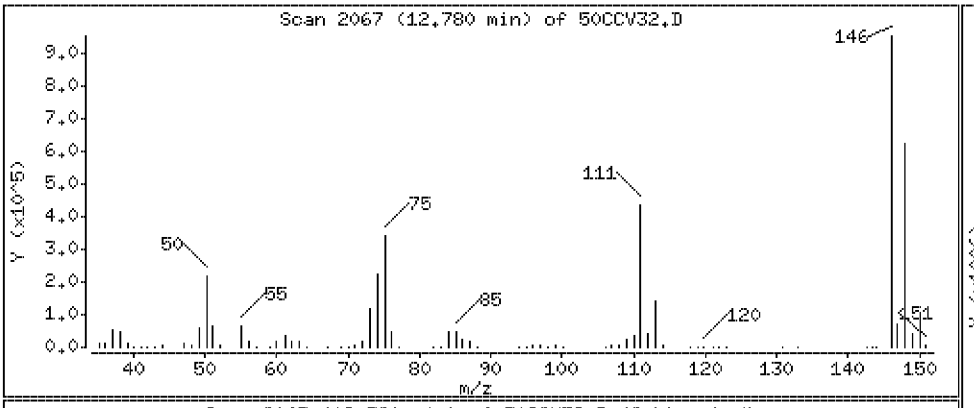
Client ID: 121709CCVA32 Instrument: vms03.i

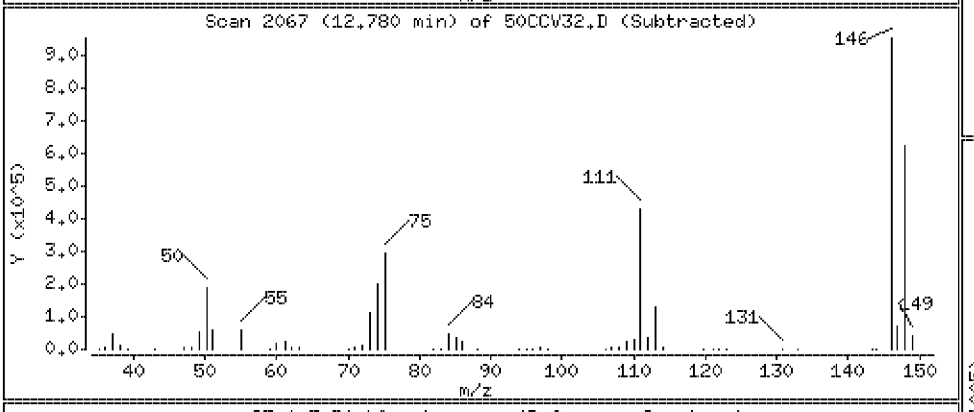
Sample Info: 121709CCVA32

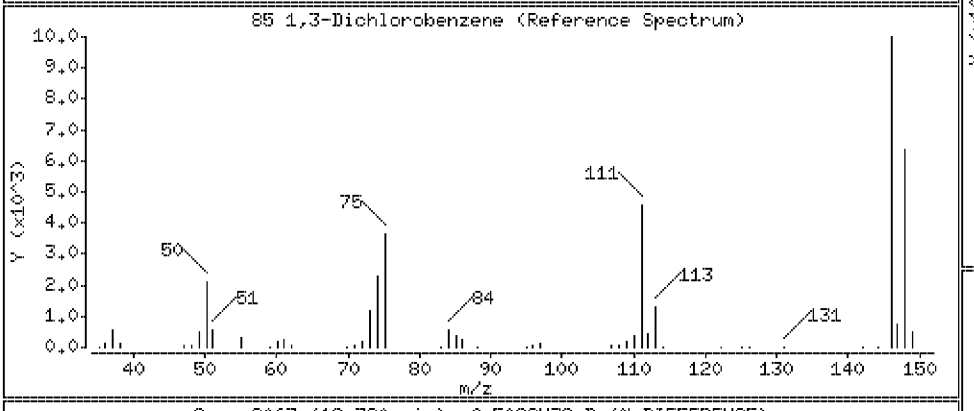
Purge Volume: 5.0 Operator:

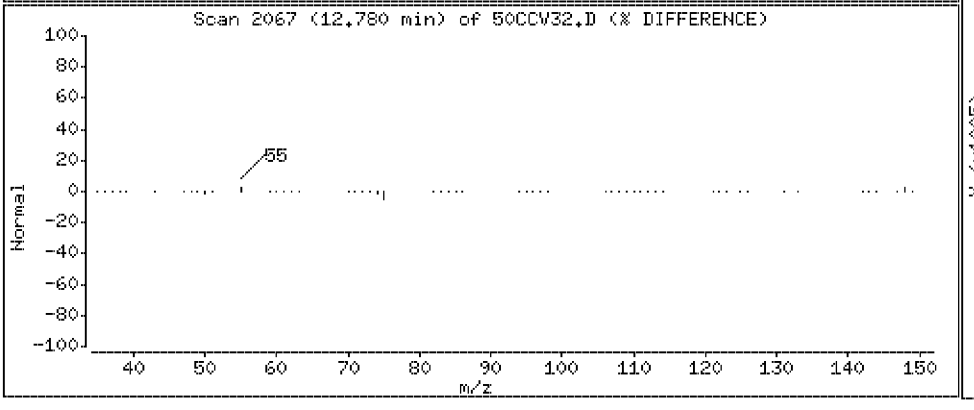
Column phase: DB-624 Column diameter: 0.18

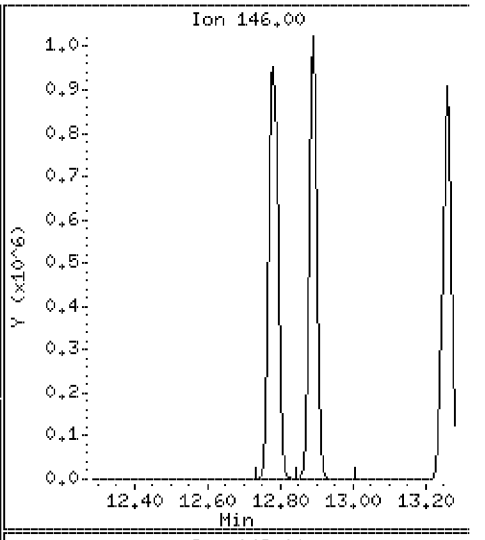
85 1,3-Dichlorobenzene Concentration: 49.1 ug/l

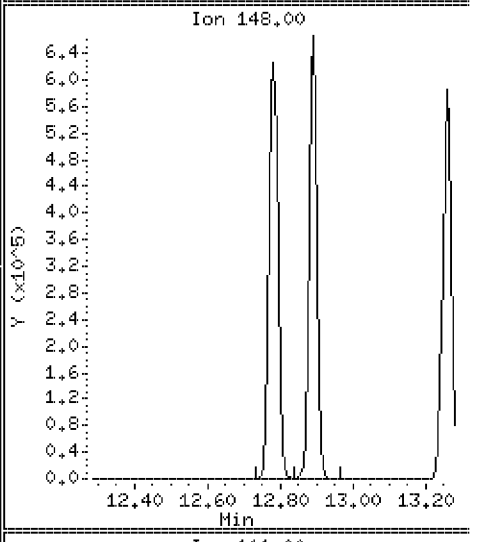


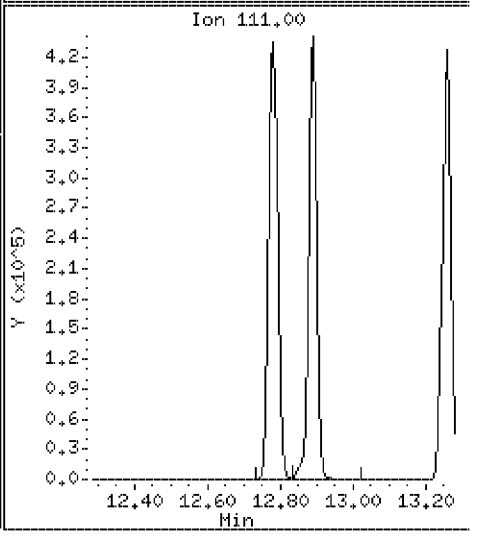












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

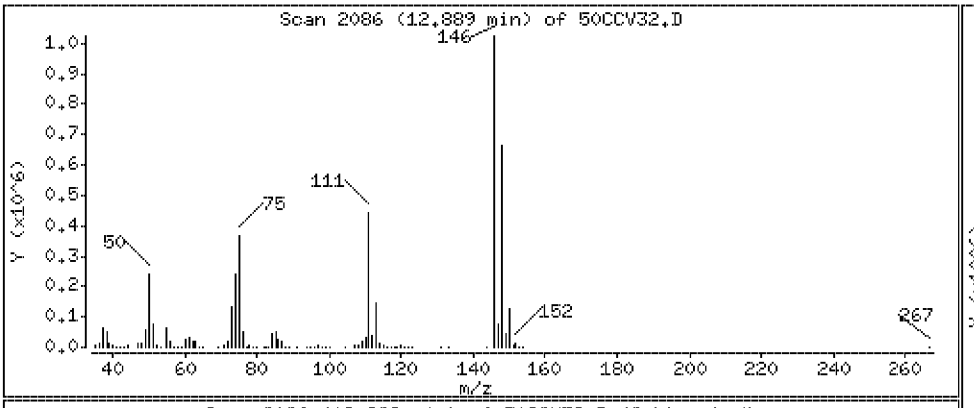
Operator:

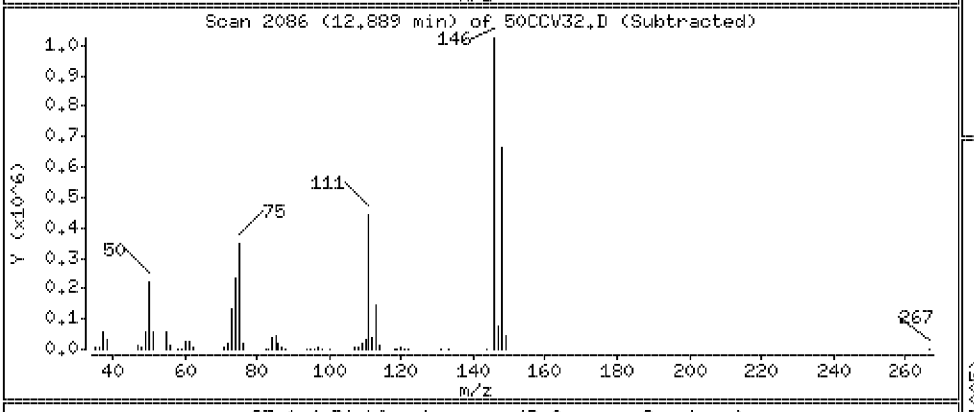
Column phase: DB-624

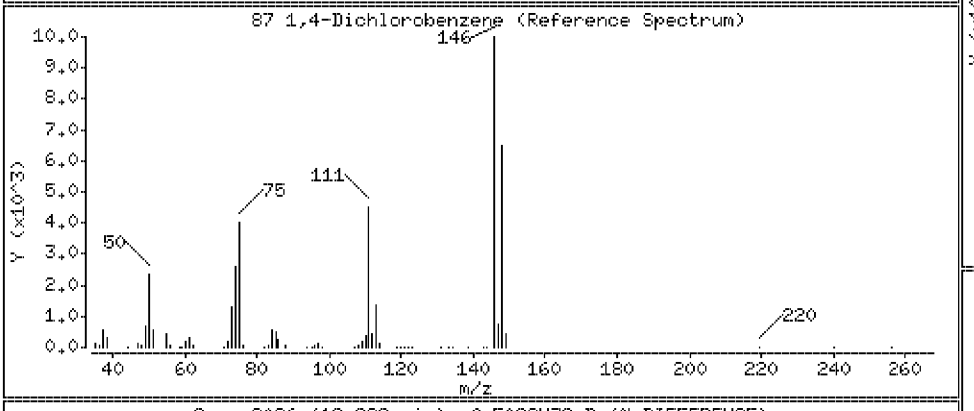
Column diameter: 0.18

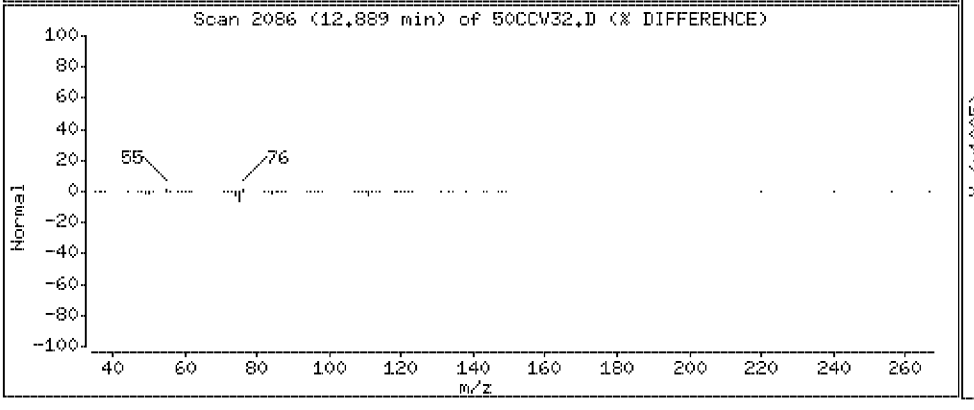
87 1,4-Dichlorobenzene

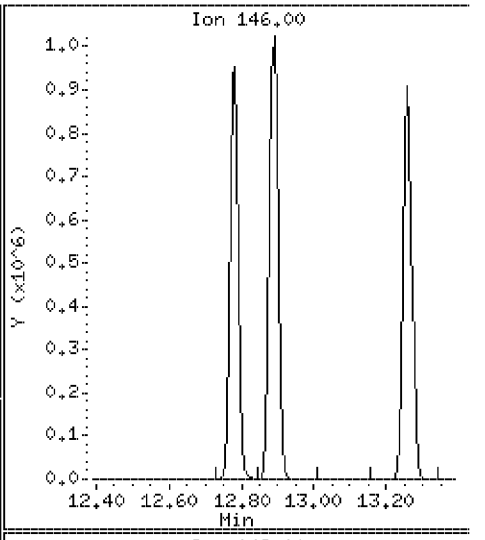
Concentration: 49.1 ug/l

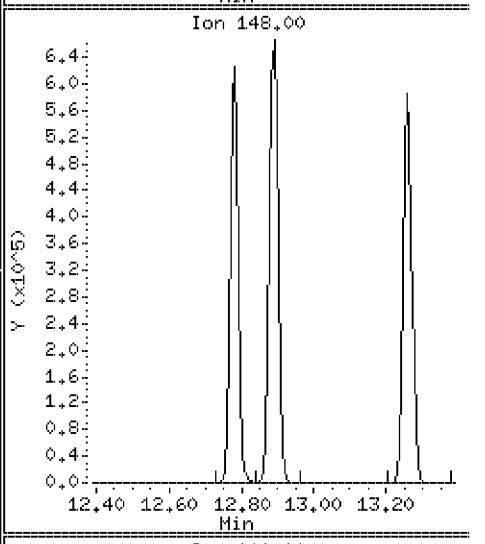


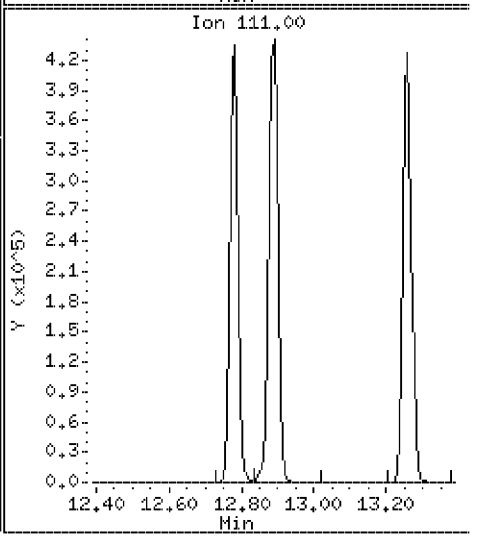












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

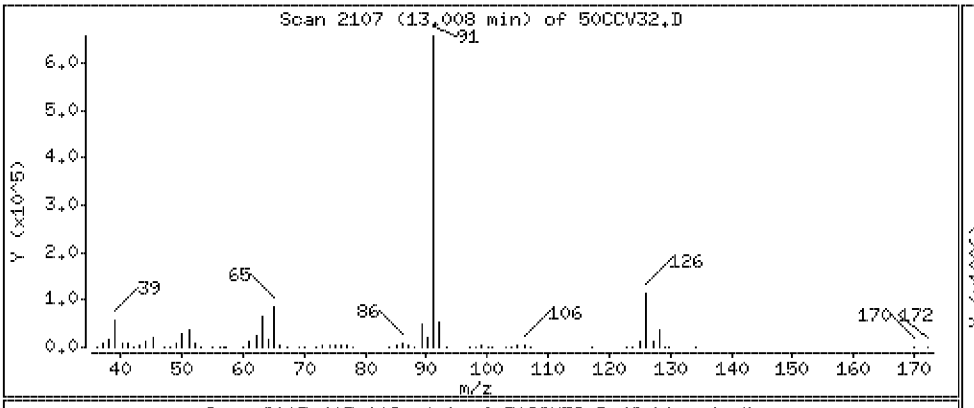
Client ID: 121709CCVA32 Instrument: vms03.i

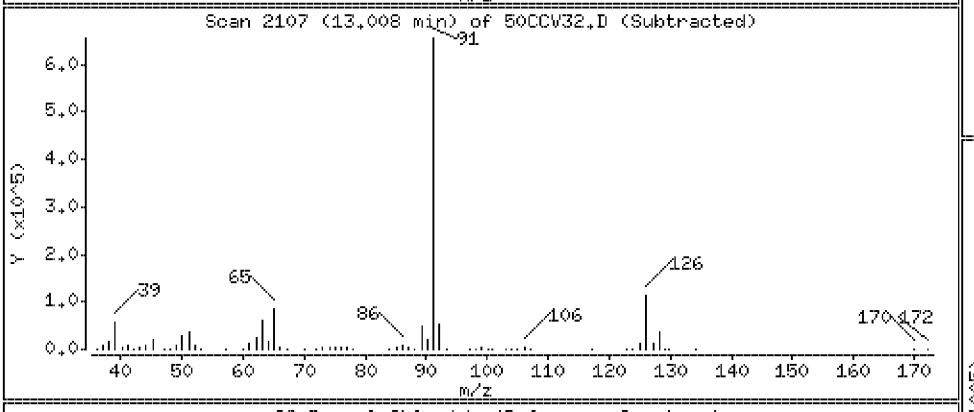
Sample Info: 121709CCVA32

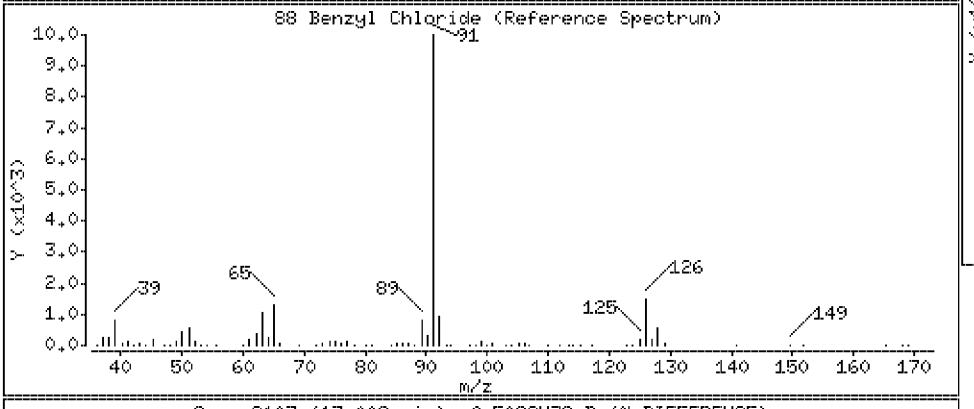
Purge Volume: 5.0 Operator:

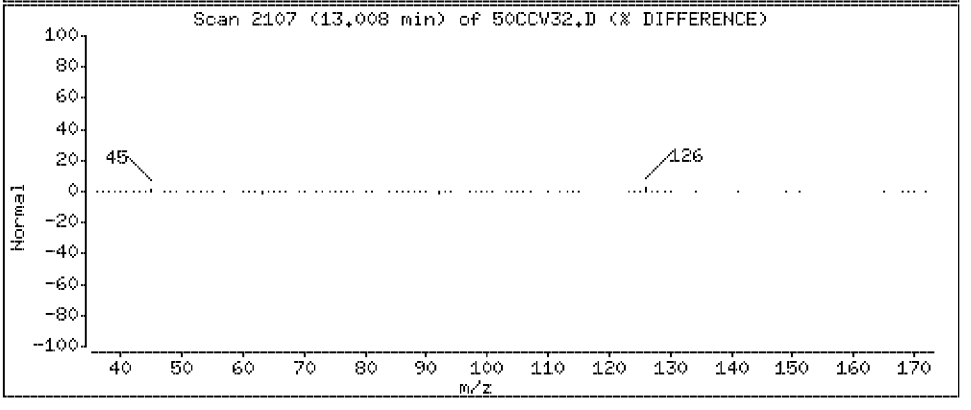
Column phase: DB-624 Column diameter: 0.18

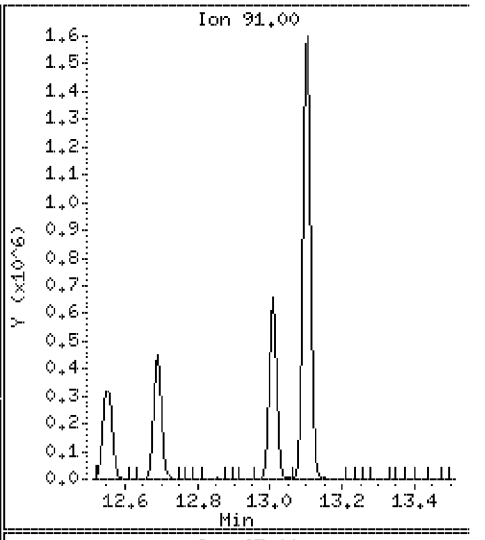
88 Benzyl Chloride Concentration: 52.6 ug/l

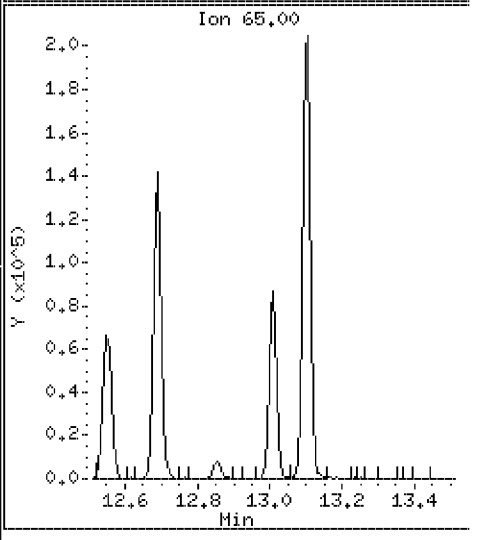












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

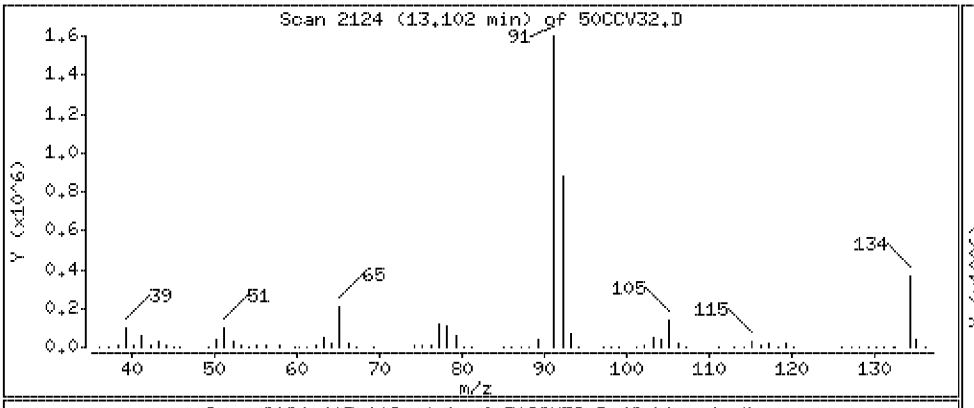
Operator:

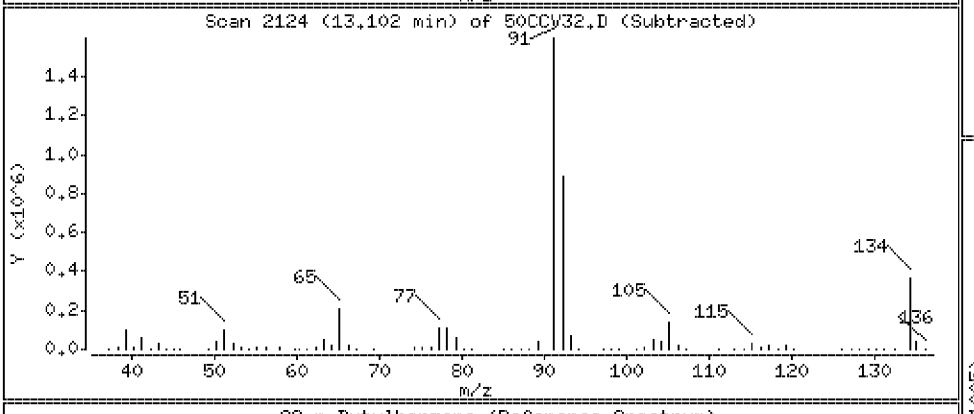
Column phase: DB-624

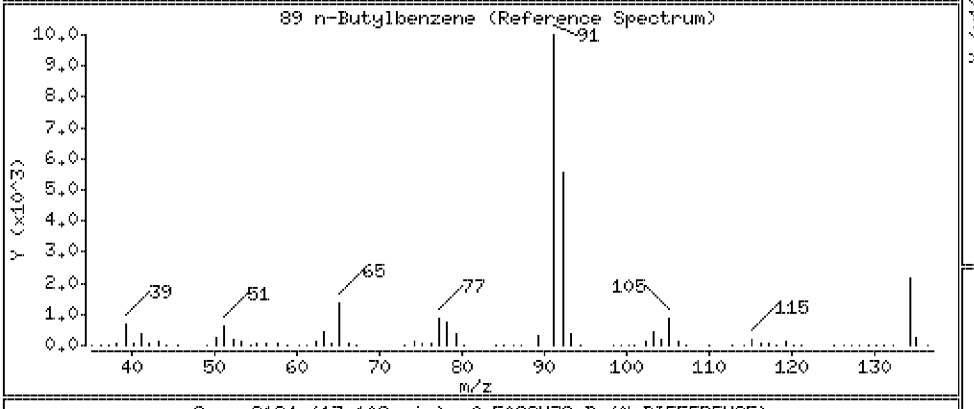
Column diameter: 0.18

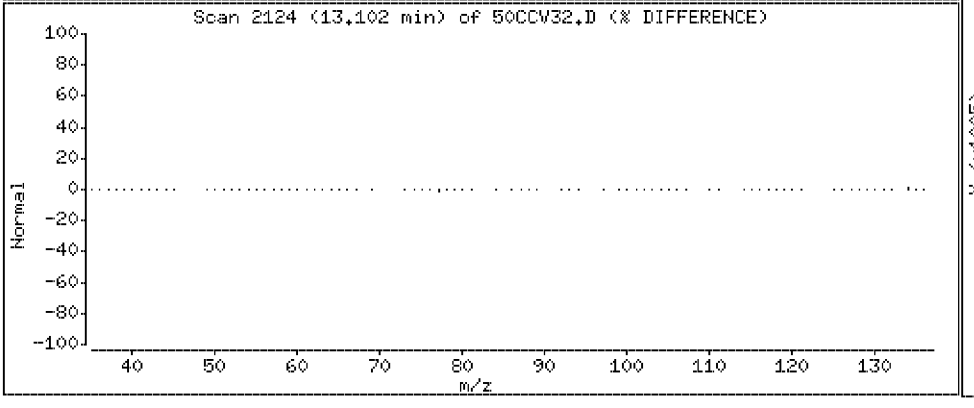
89 n-Butylbenzene

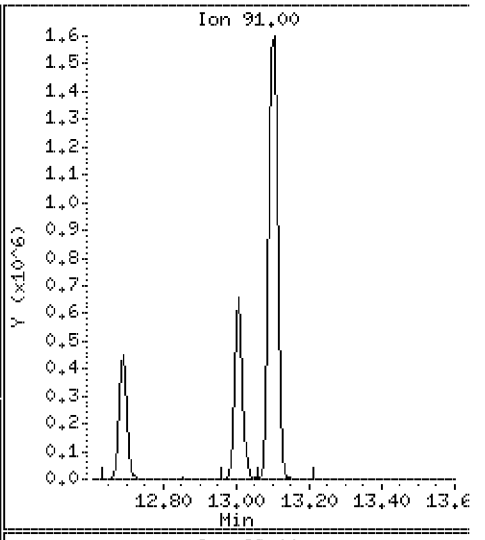
Concentration: 53.8 ug/l

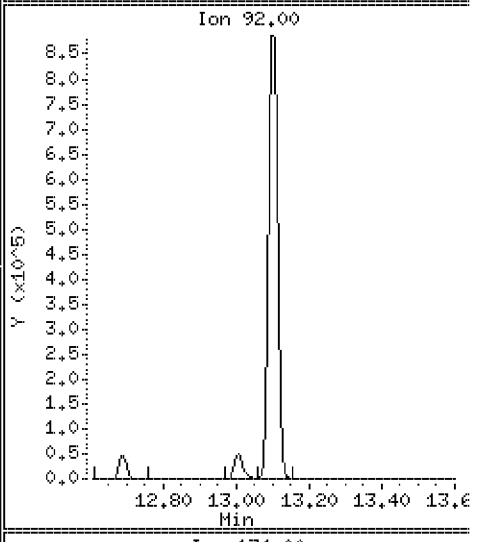


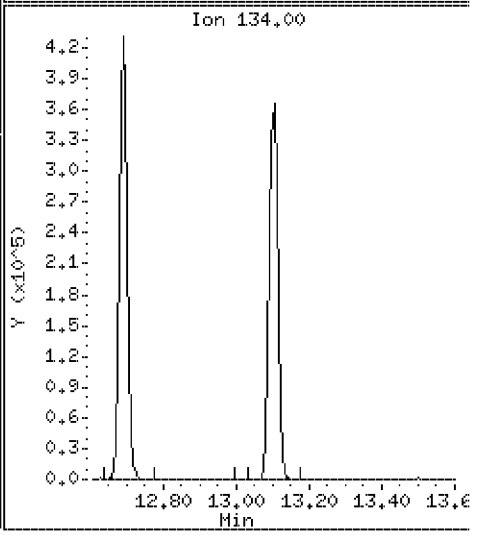












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

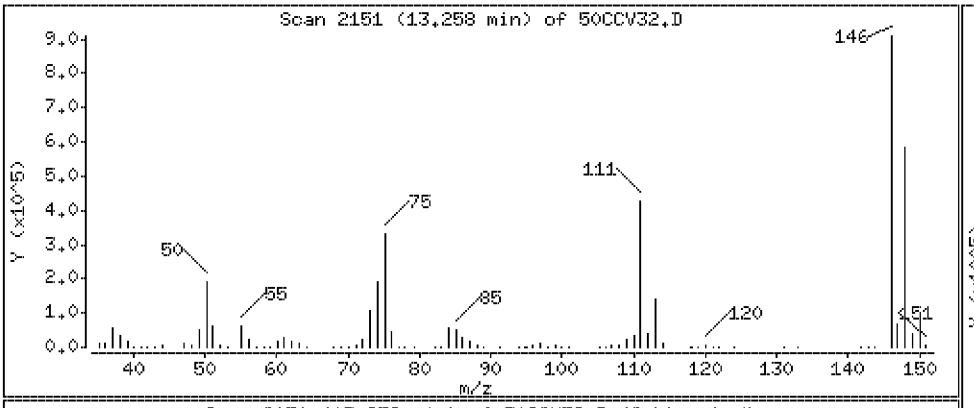
Client ID: 121709CCVA32 Instrument: vms03.i

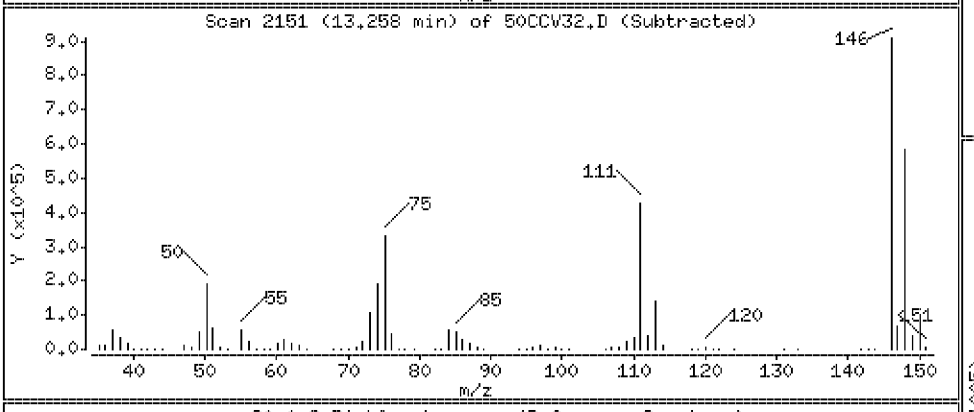
Sample Info: 121709CCVA32

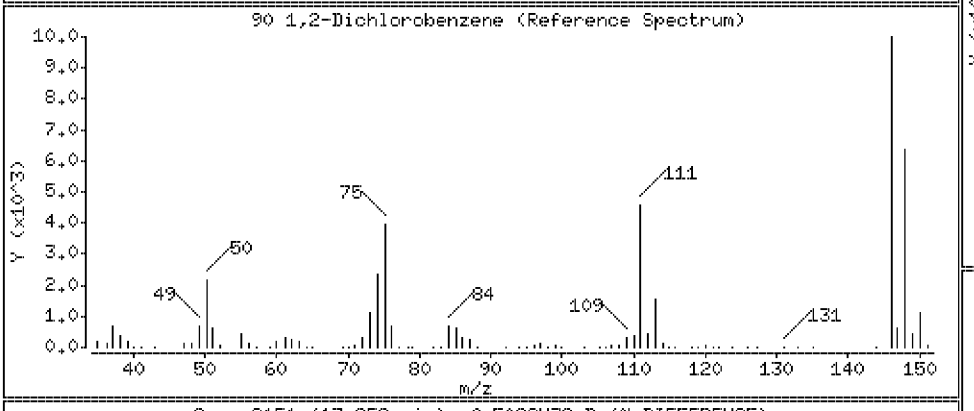
Purge Volume: 5.0 Operator:

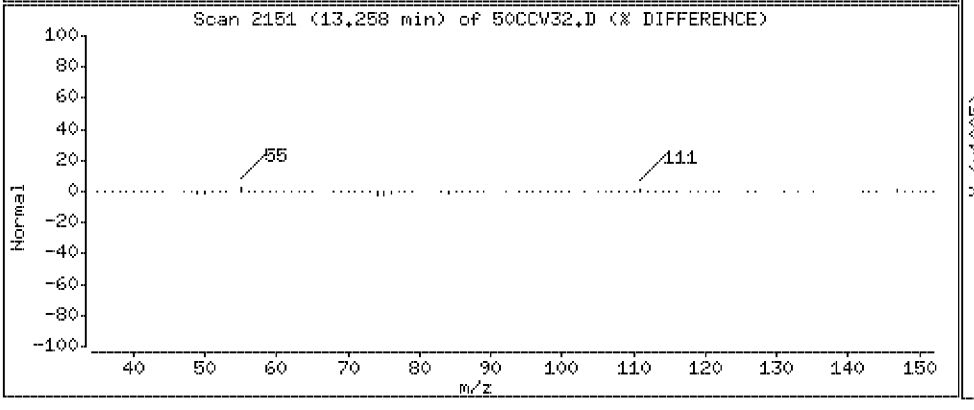
Column phase: DB-624 Column diameter: 0.18

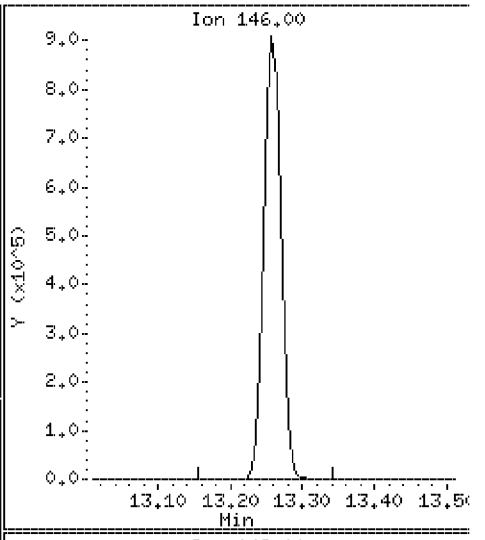
90 1,2-Dichlorobenzene Concentration: 49.8 ug/l

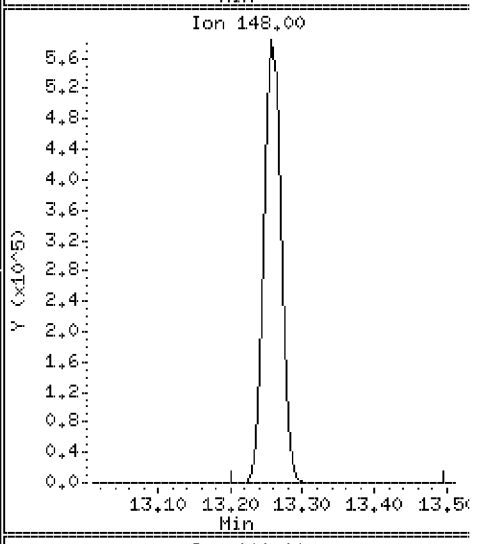


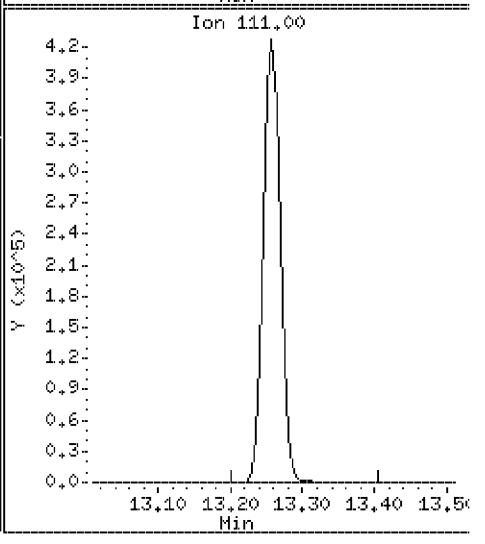












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

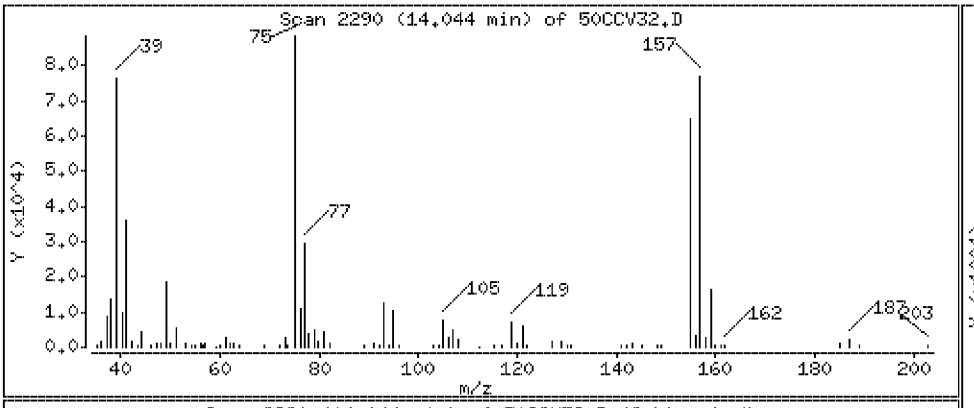
Operator:

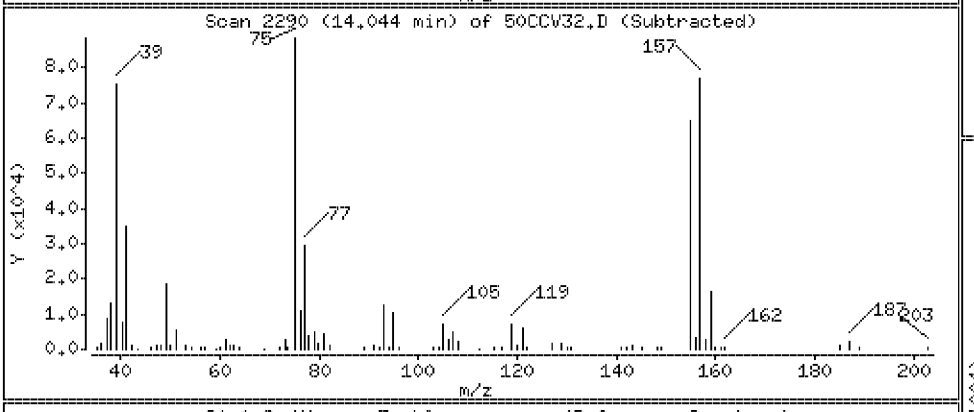
Column phase: DB-624

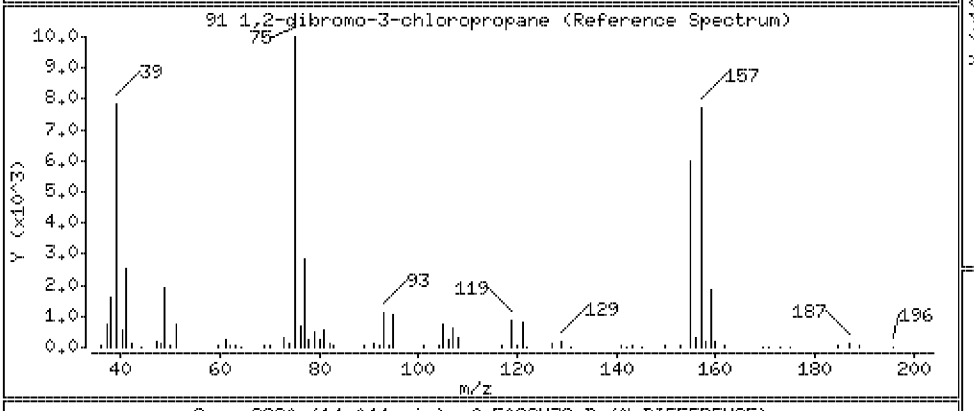
Column diameter: 0.18

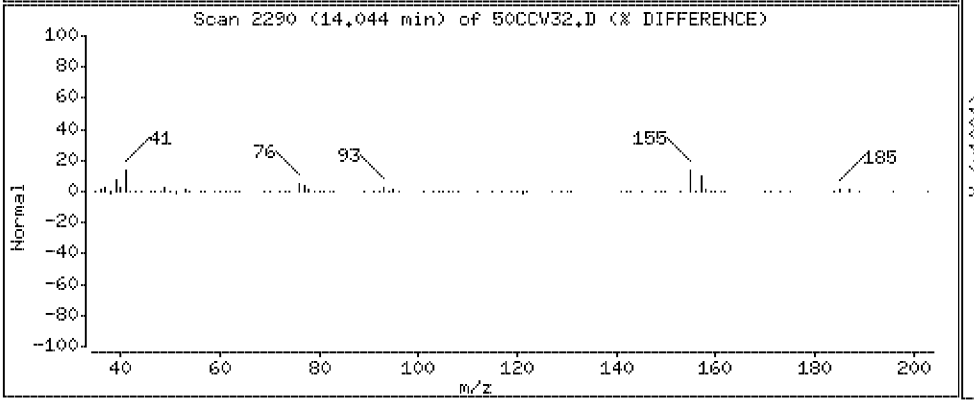
91 1,2-dibromo-3-chloropropane

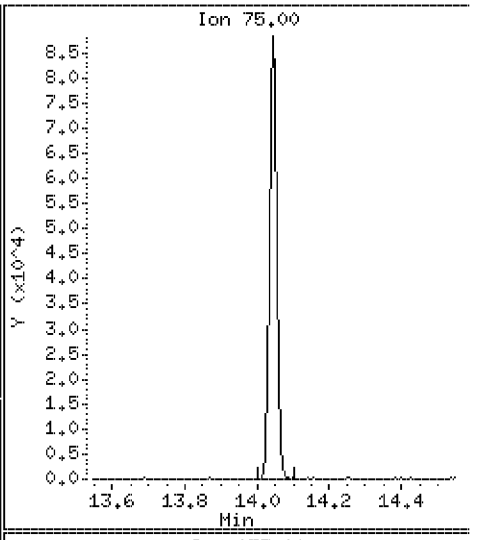
Concentration: 56.1 ug/l

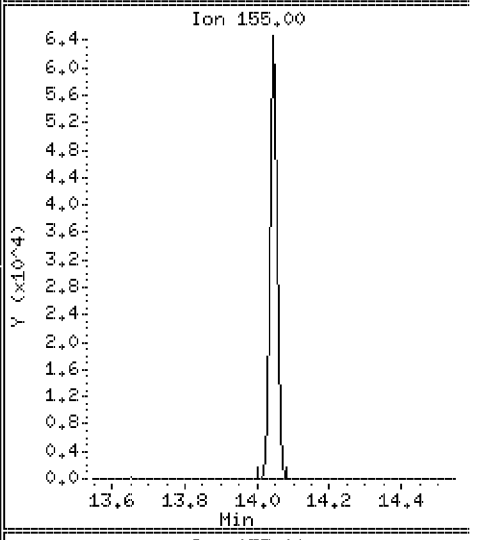


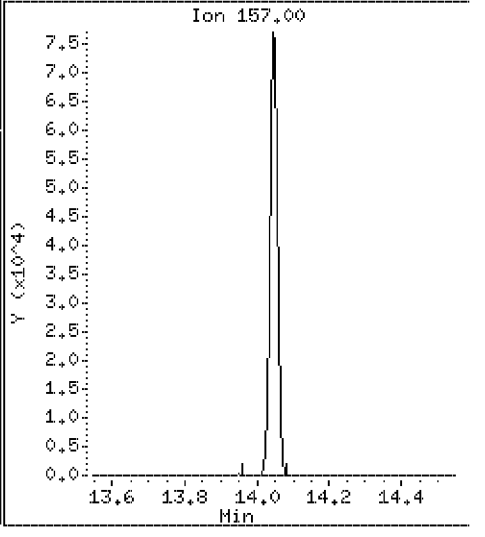












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

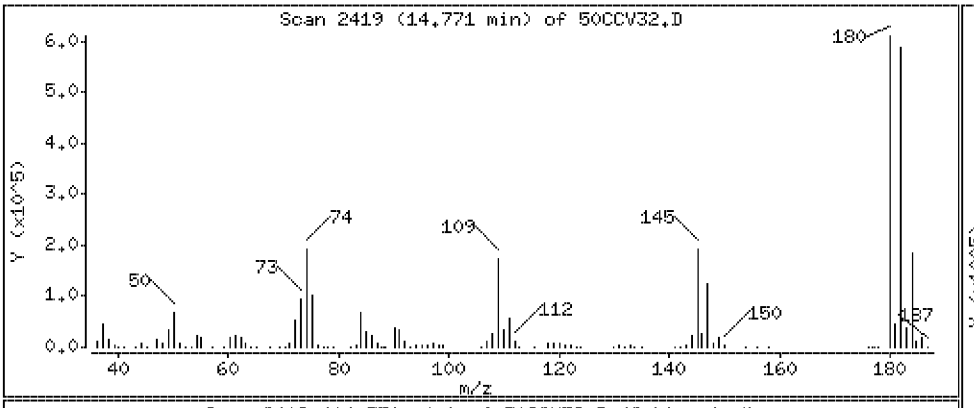
Operator:

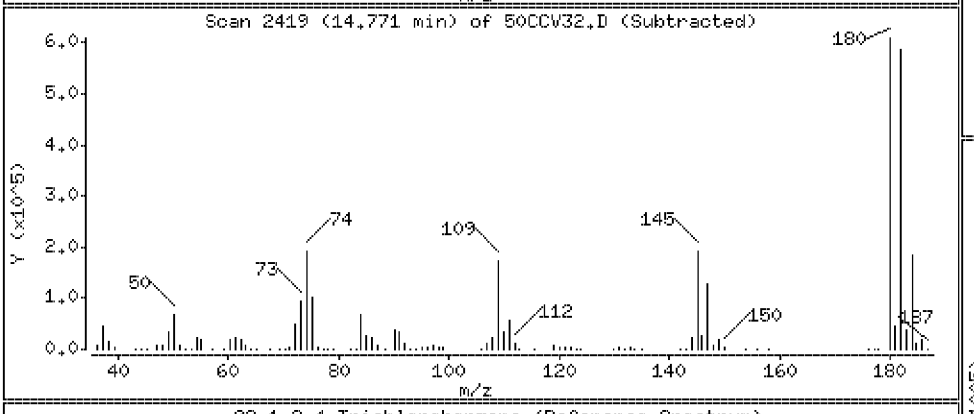
Column phase: DB-624

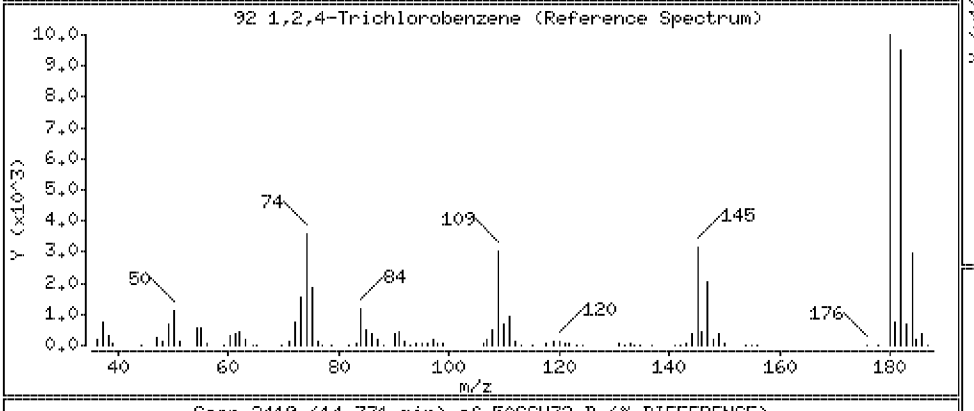
Column diameter: 0.18

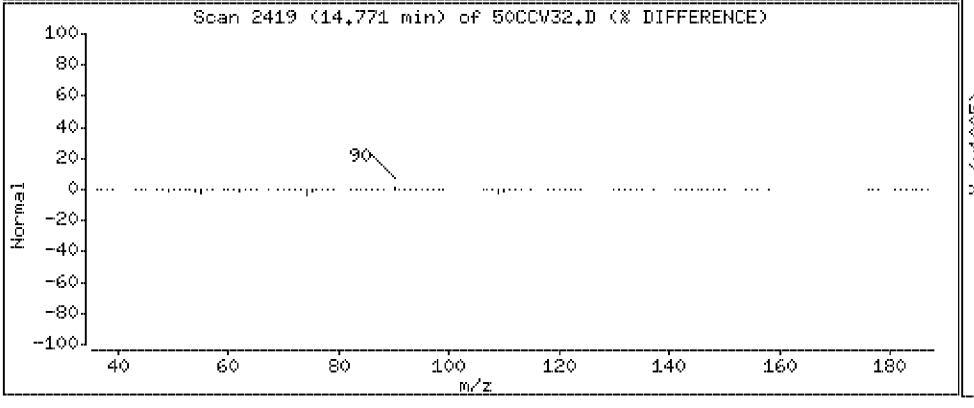
92 1,2,4-Trichlorobenzene

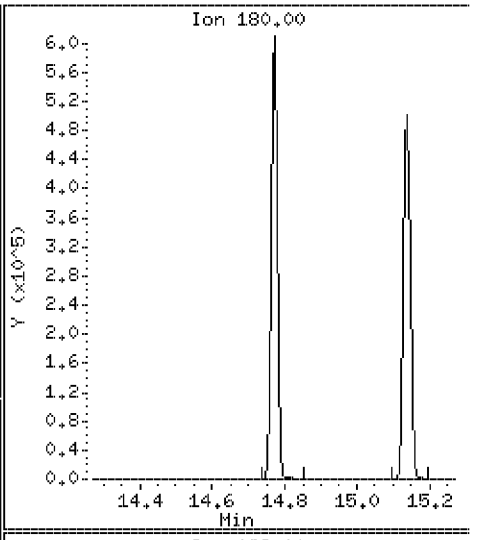
Concentration: 53.0 ug/l

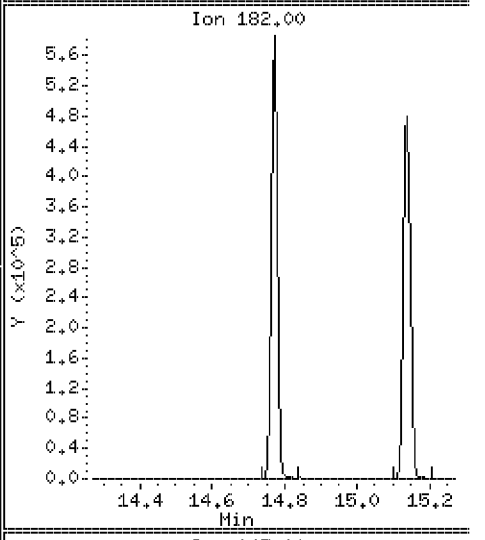


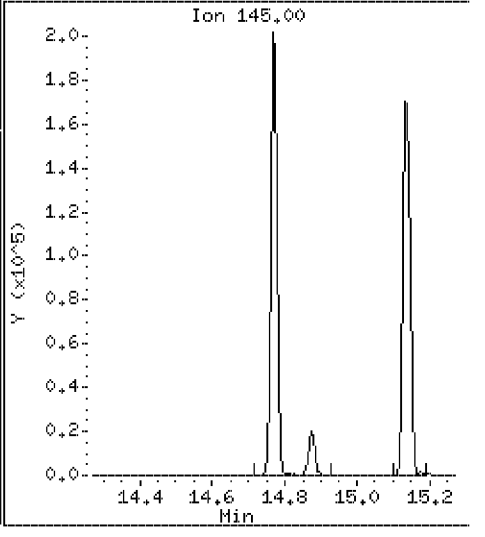












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

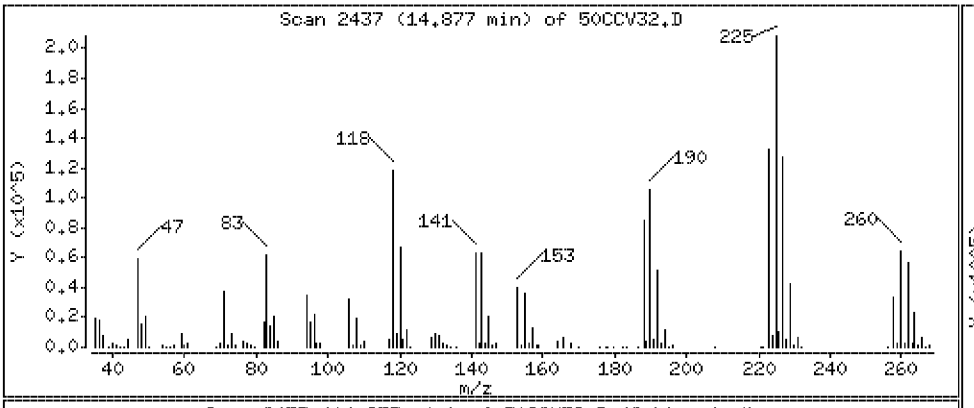
Operator:

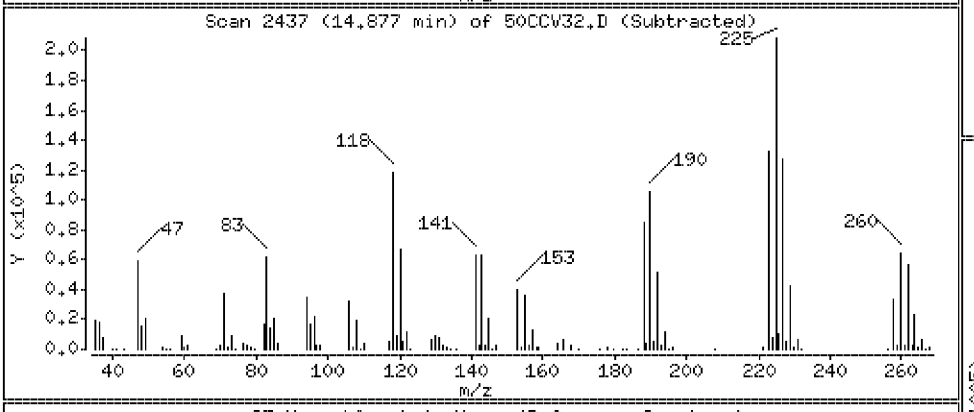
Column phase: DB-624

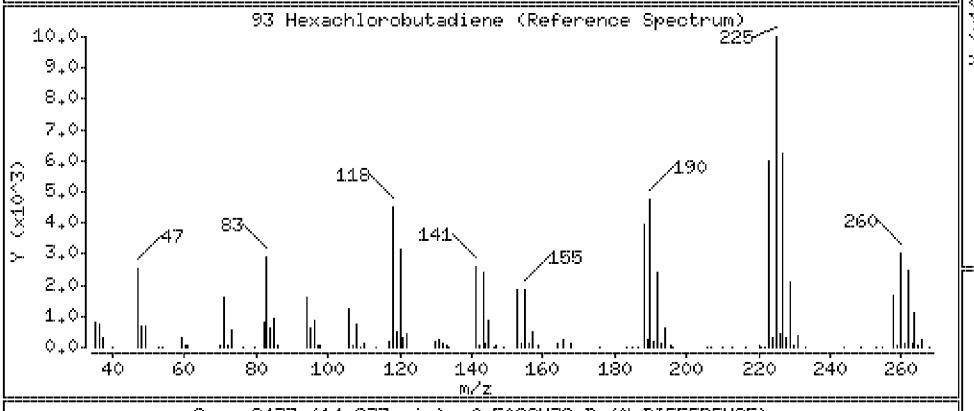
Column diameter: 0.18

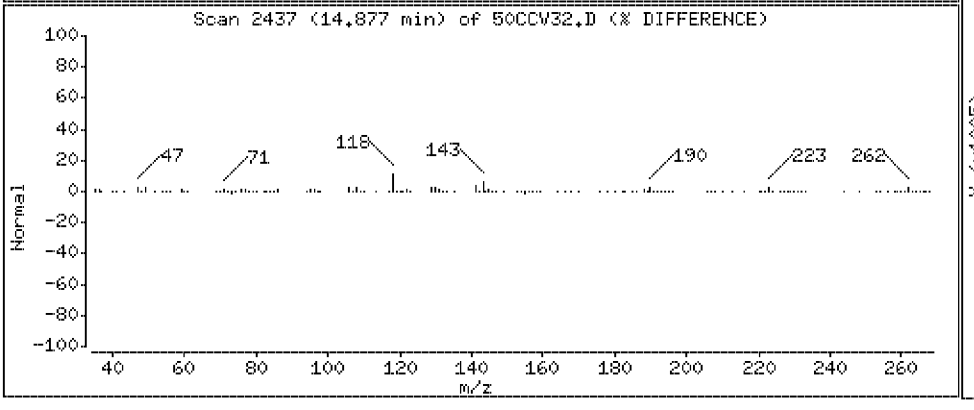
93 Hexachlorobutadiene

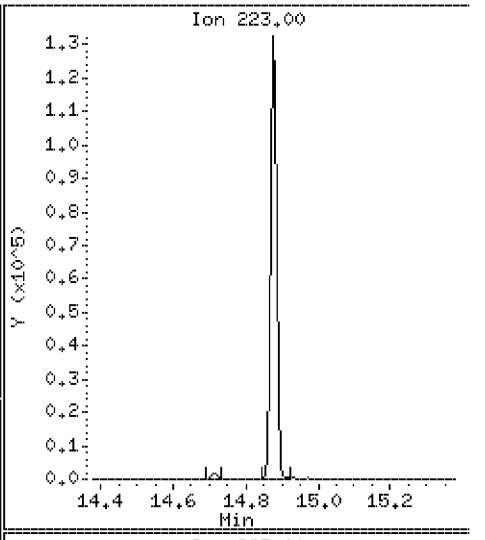
Concentration: 51.4 ug/l

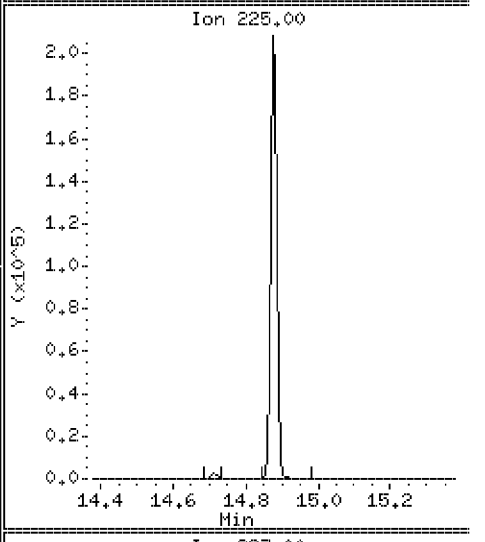


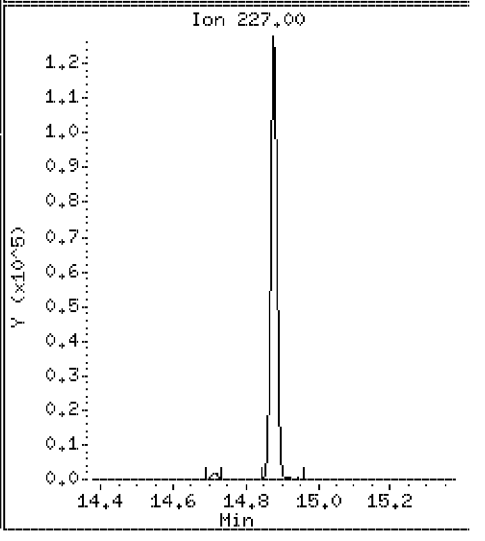












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

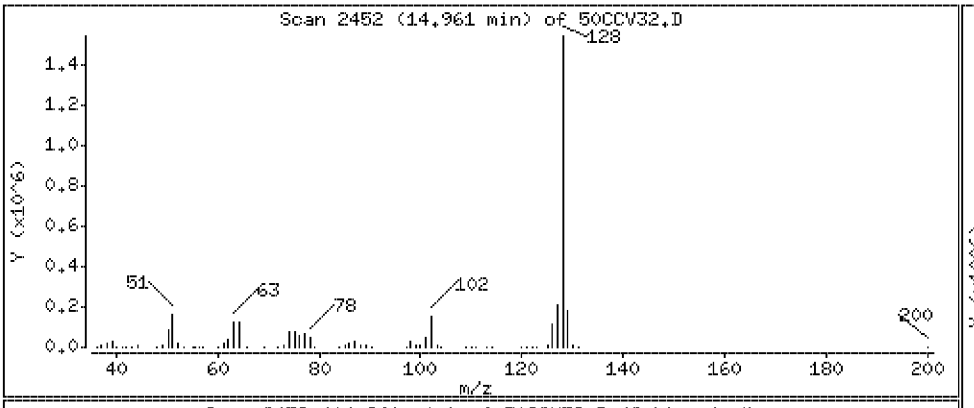
Operator:

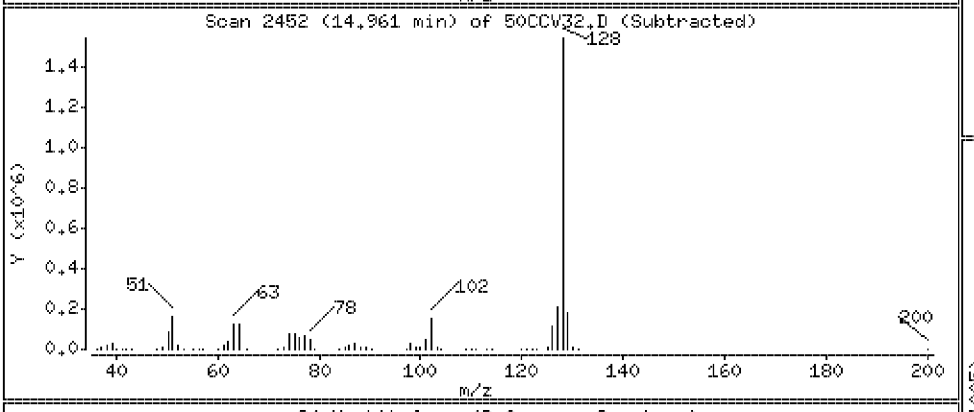
Column phase: DB-624

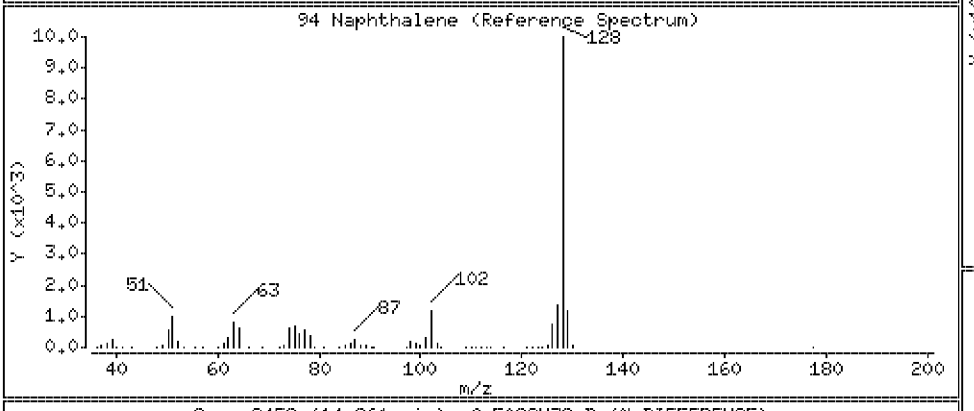
Column diameter: 0.18

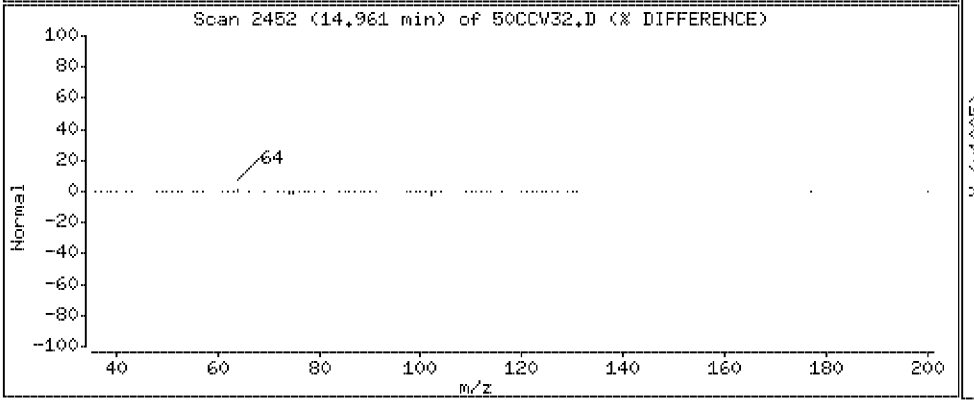
94 Naphthalene

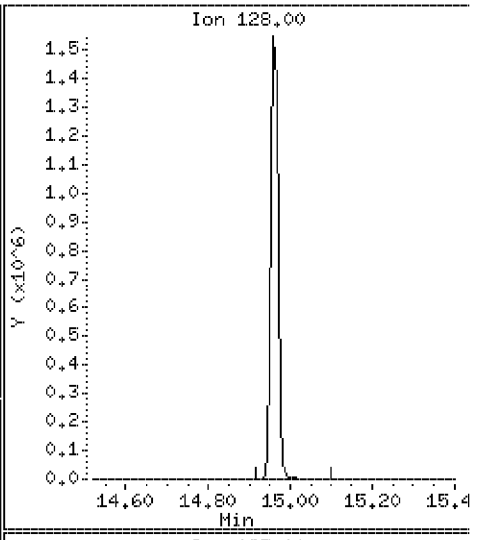
Concentration: 55.8 ug/l

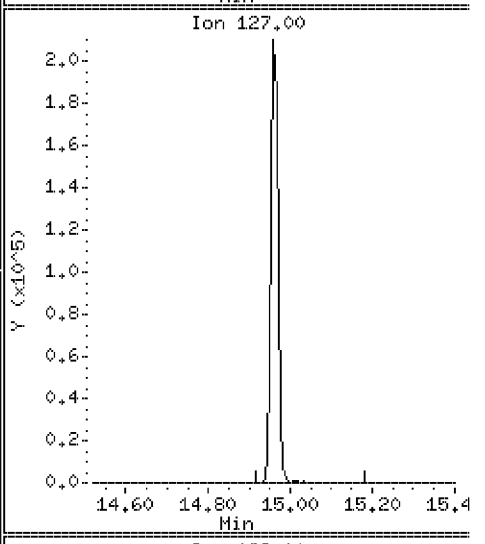


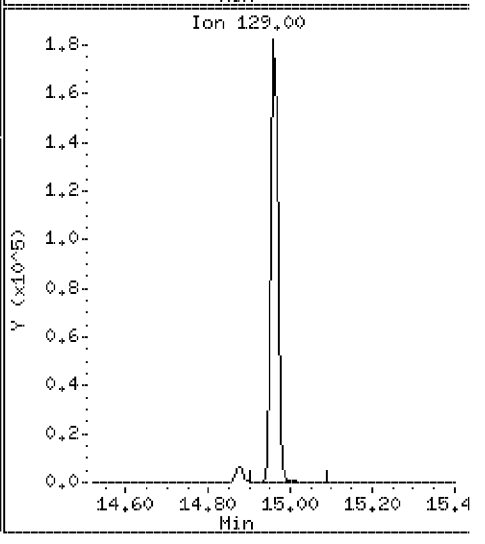












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

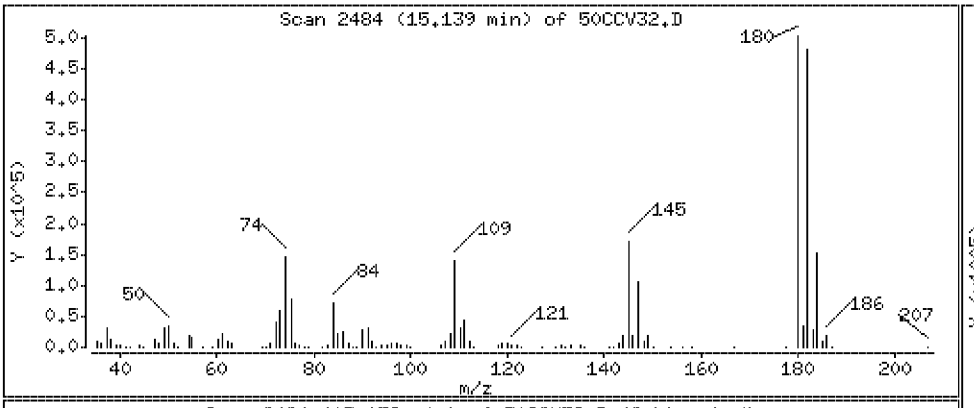
Operator:

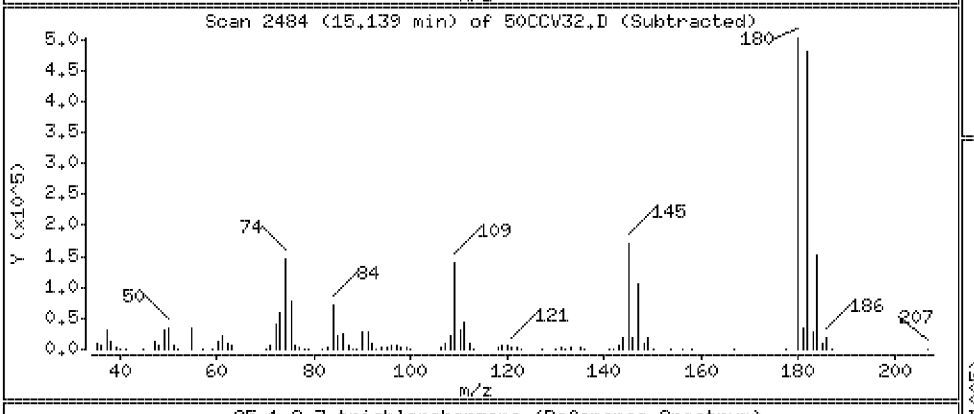
Column phase: DB-624

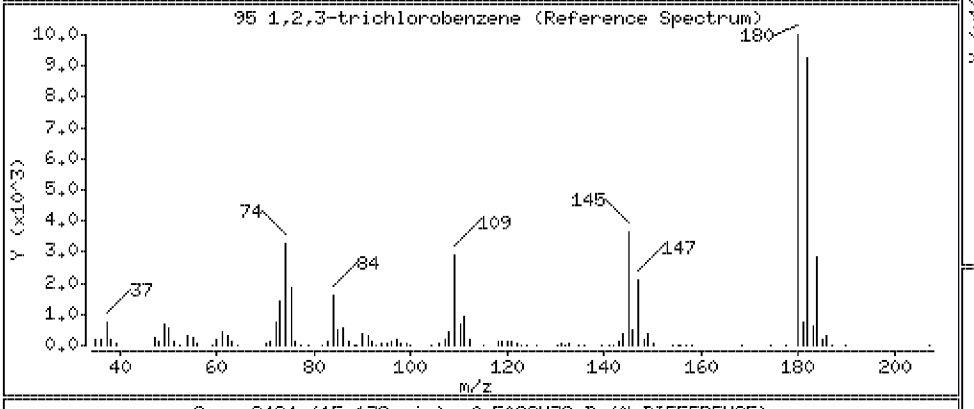
Column diameter: 0.18

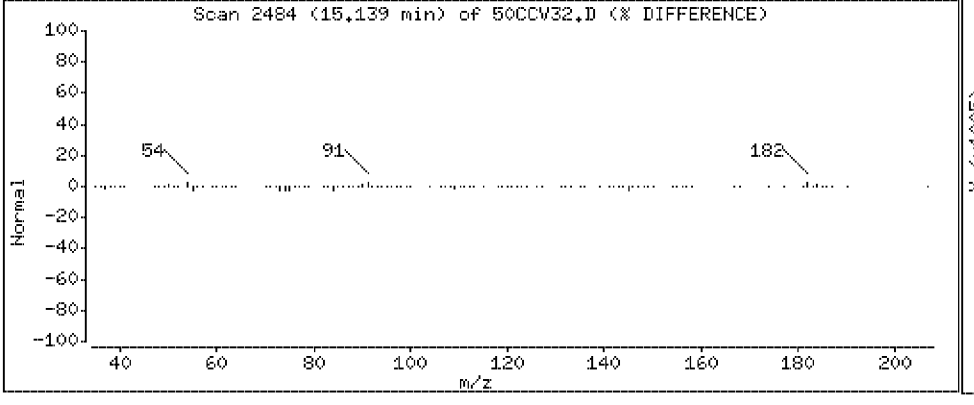
95 1,2,3-trichlorobenzene

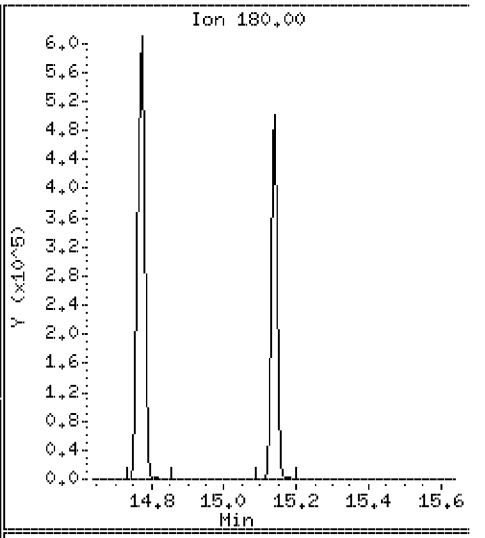
Concentration: 50.7 ug/l

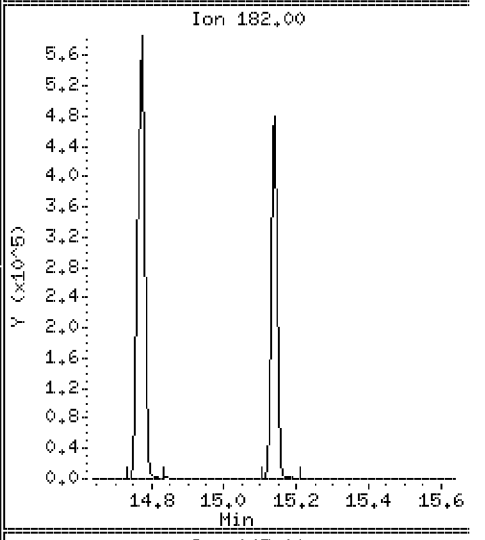


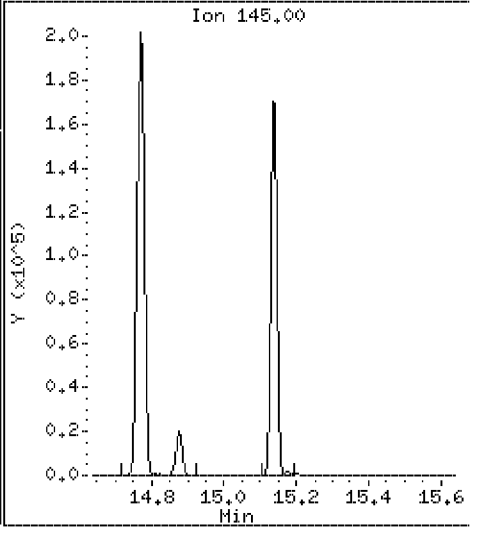












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

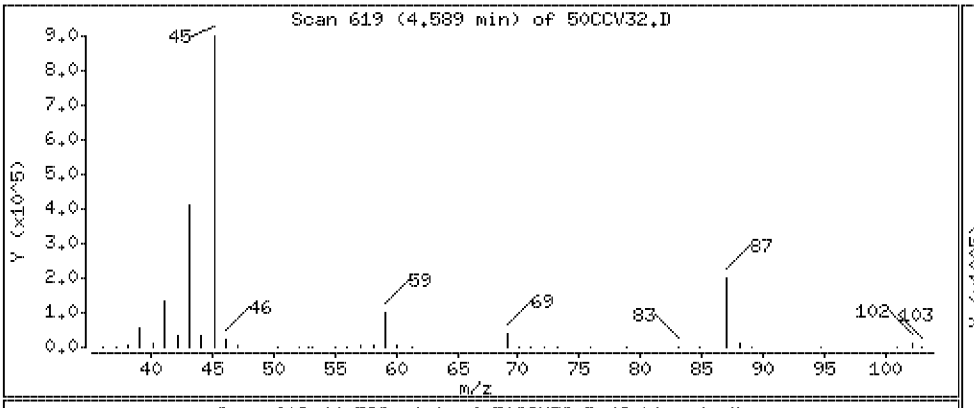
Operator:

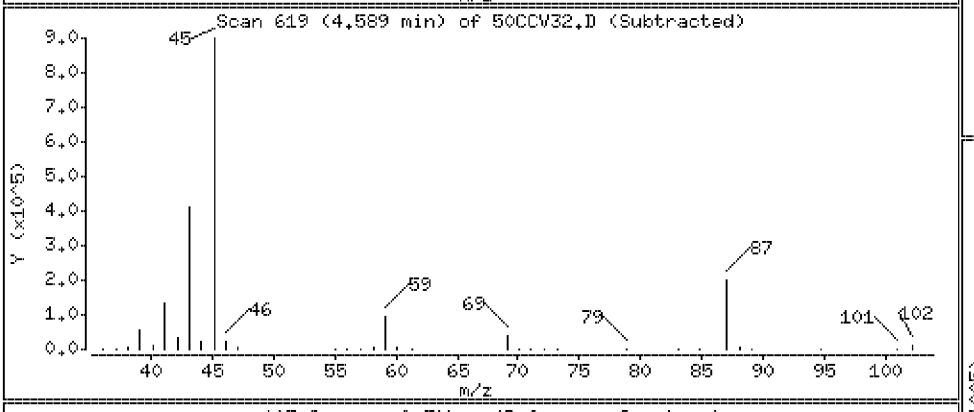
Column phase: DB-624

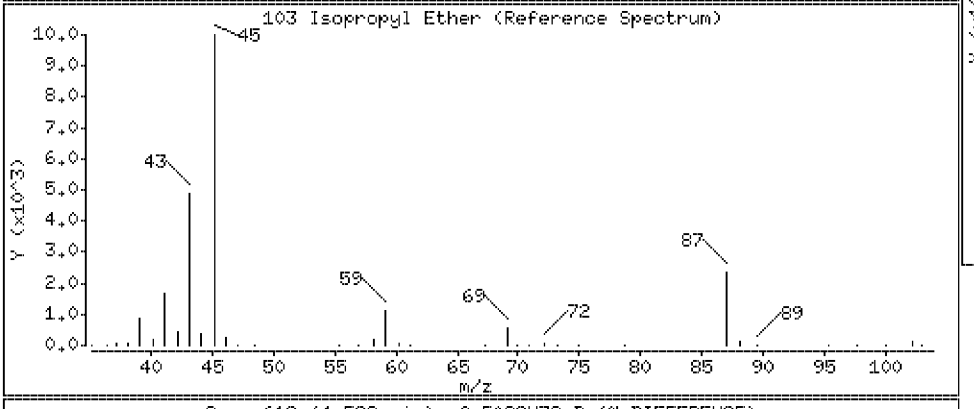
Column diameter: 0.18

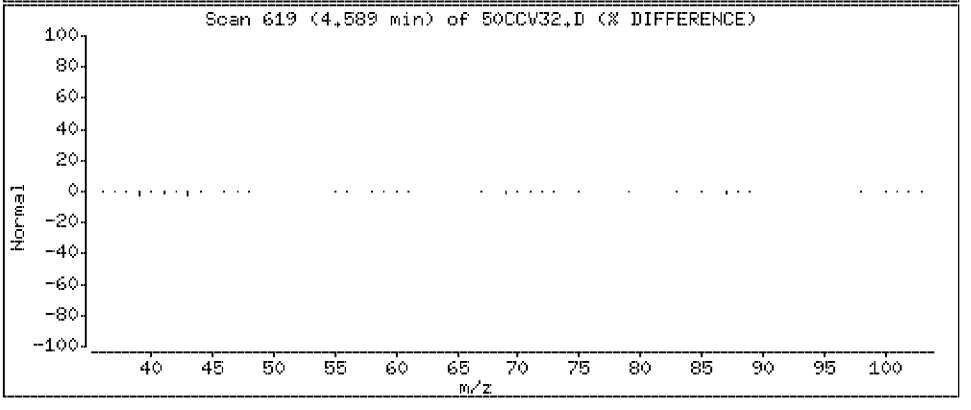
103 Isopropyl Ether

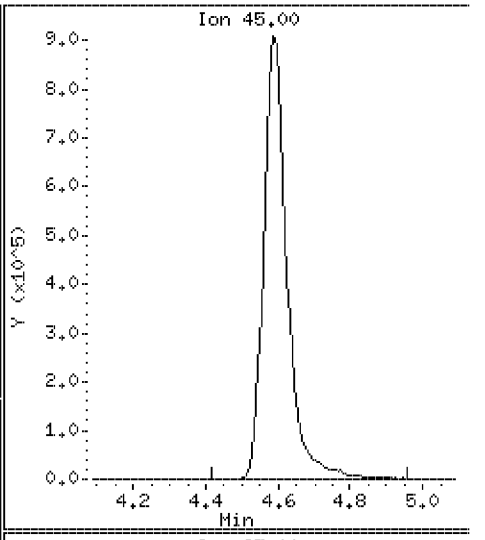
Concentration: 50.3 ug/l

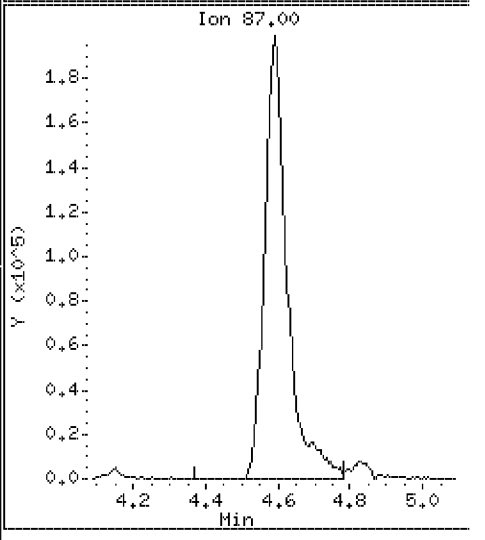












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

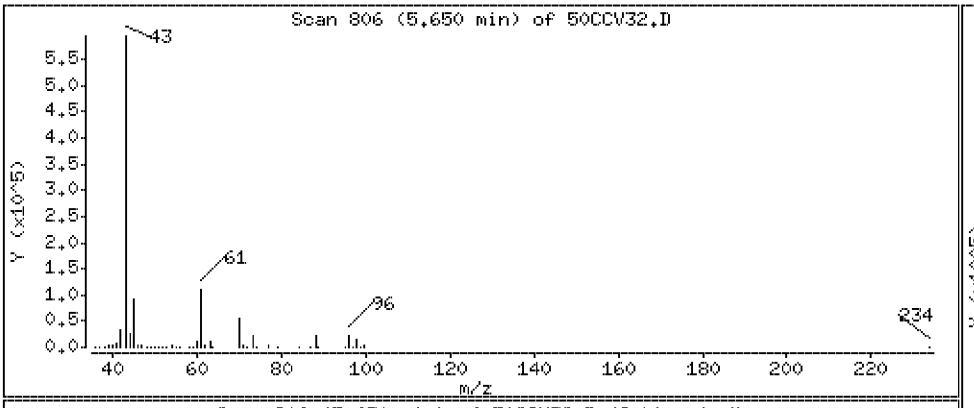
Operator:

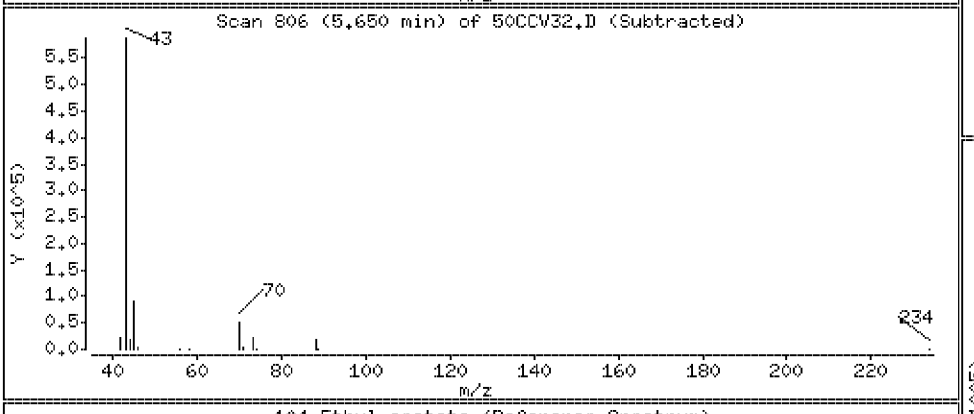
Column phase: DB-624

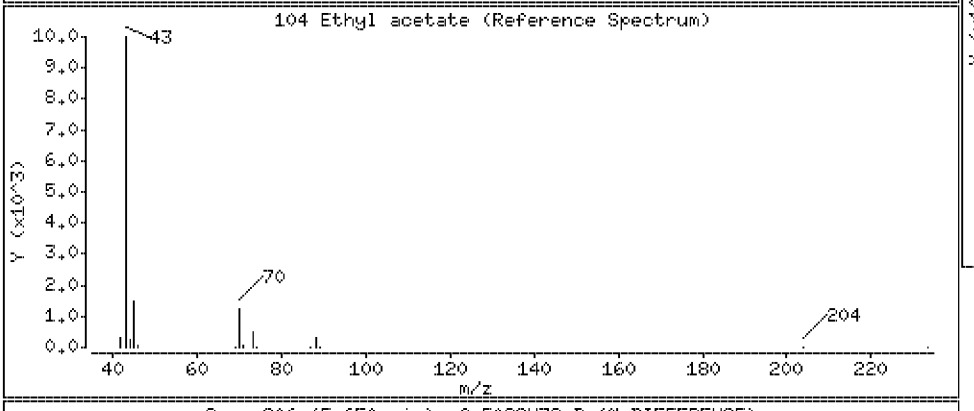
Column diameter: 0.18

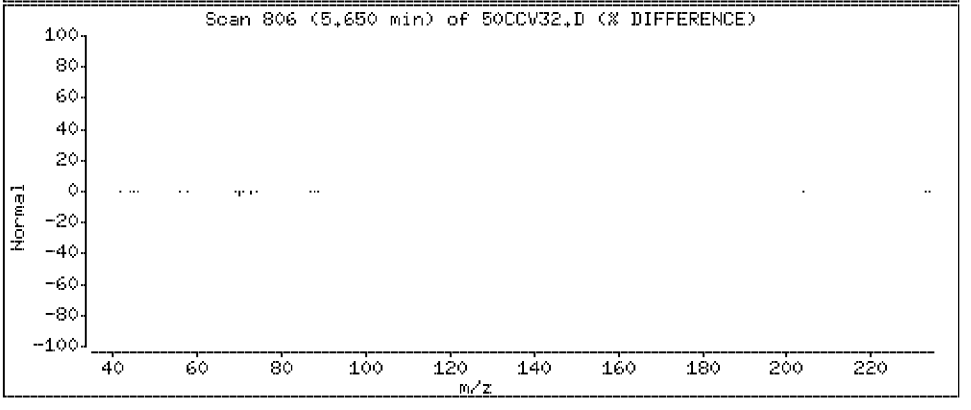
104 Ethyl acetate

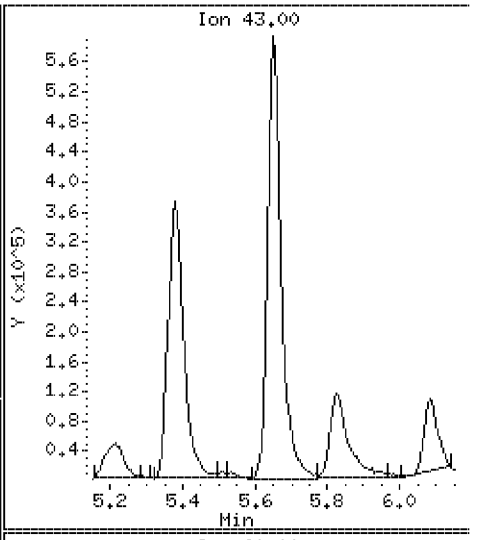
Concentration: 115 ug/l

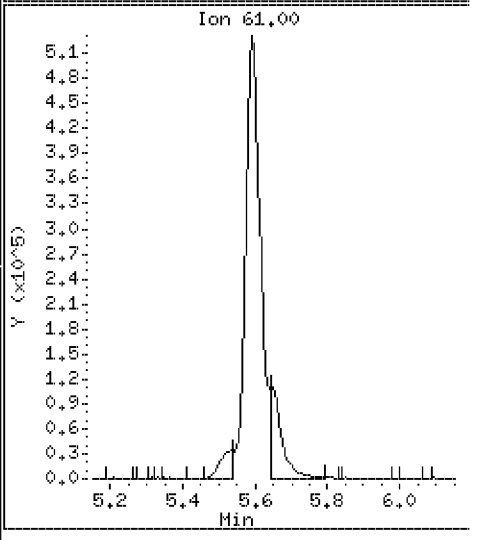












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

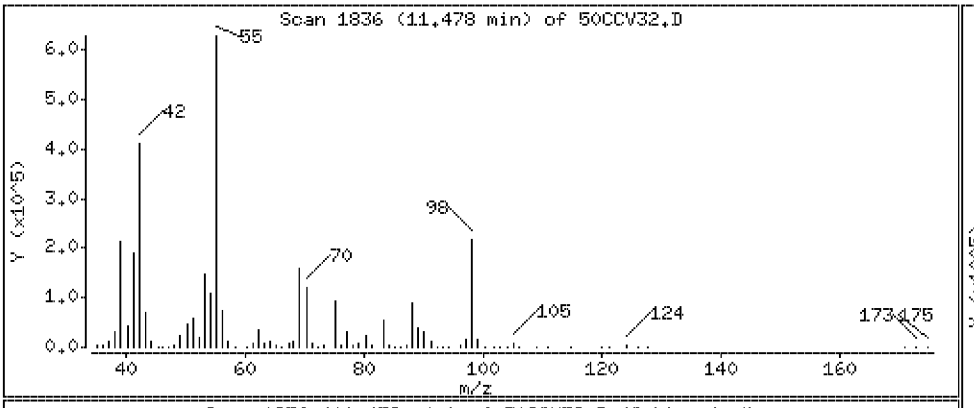
Client ID: 121709CCVA32 Instrument: vms03.i

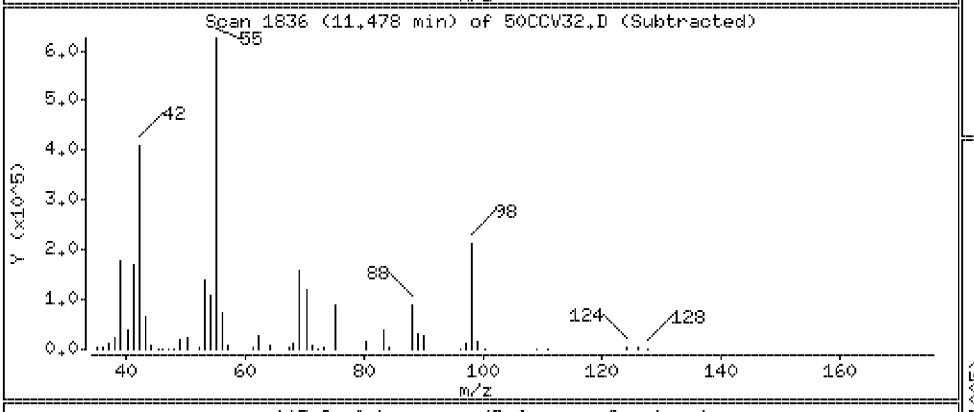
Sample Info: 121709CCVA32

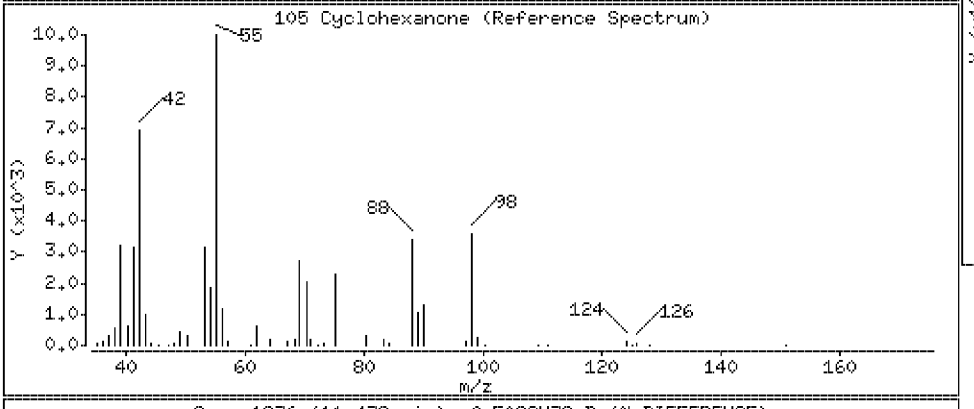
Purge Volume: 5.0 Operator:

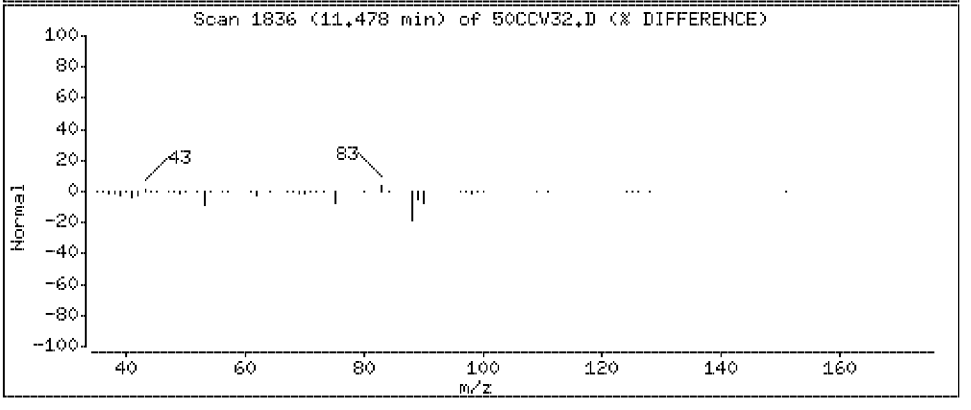
Column phase: DB-624 Column diameter: 0.18

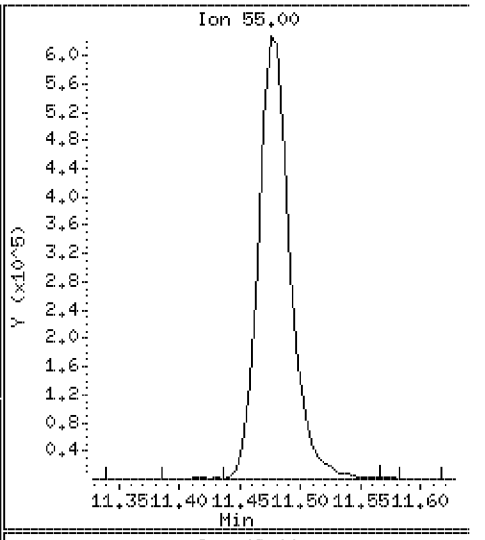
105 Cyclohexanone Concentration: 521 ug/l

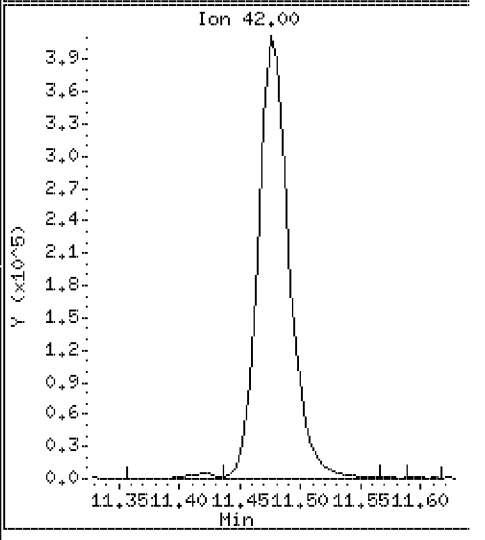












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

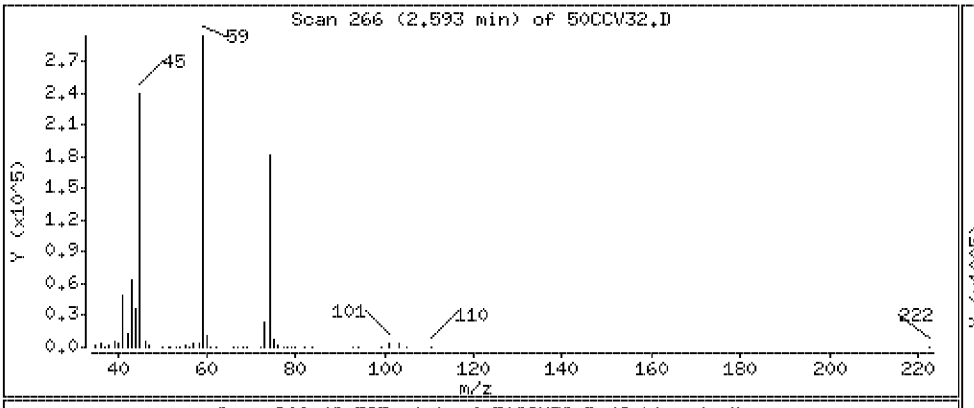
Client ID: 121709CCVA32 Instrument: vms03.i

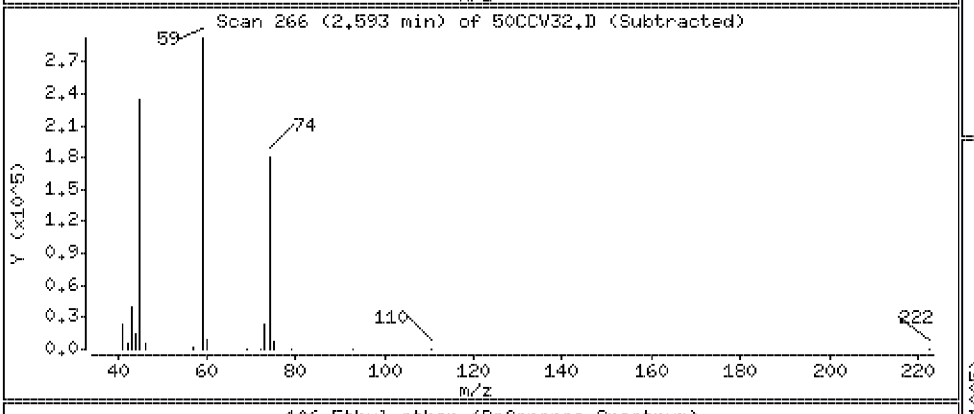
Sample Info: 121709CCVA32

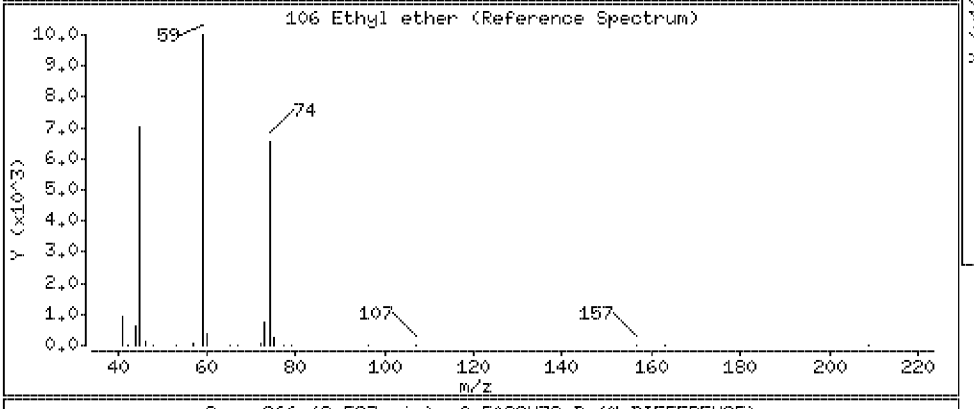
Purge Volume: 5.0 Operator:

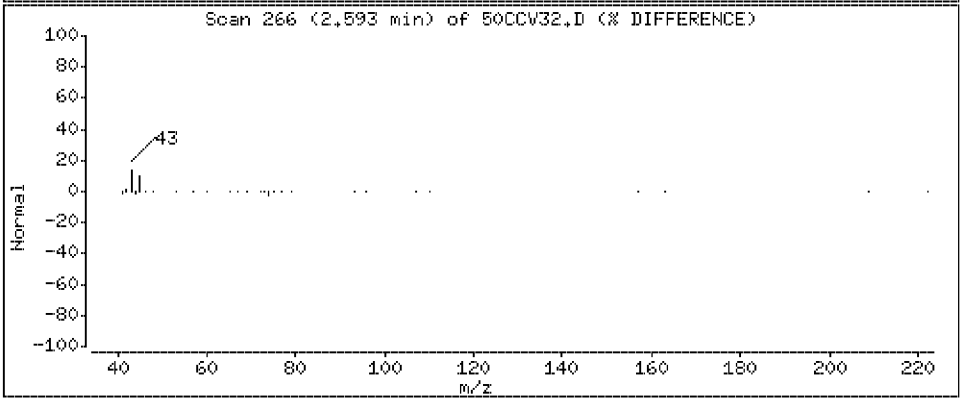
Column phase: DB-624 Column diameter: 0.18

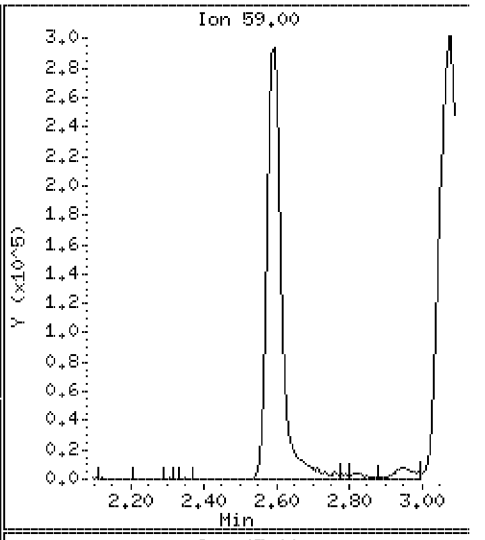
106 Ethyl ether Concentration: 51.7 ug/l

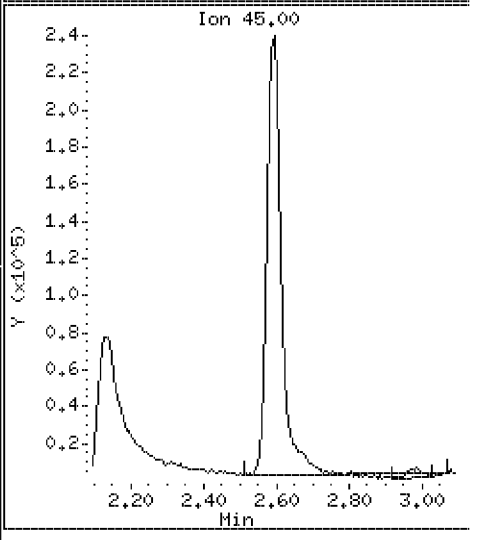












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

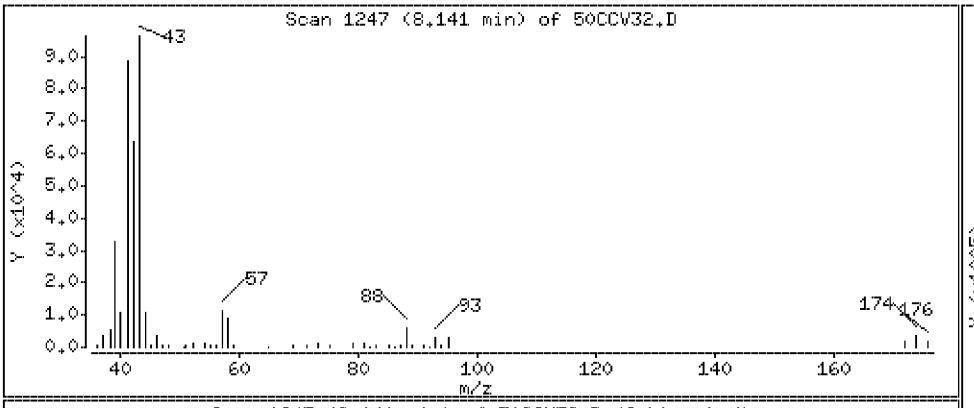
Client ID: 121709CCVA32 Instrument: vms03.i

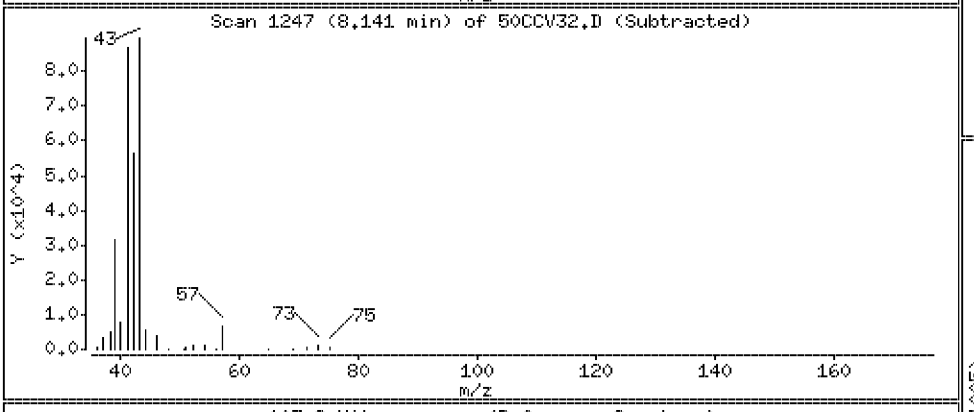
Sample Info: 121709CCVA32

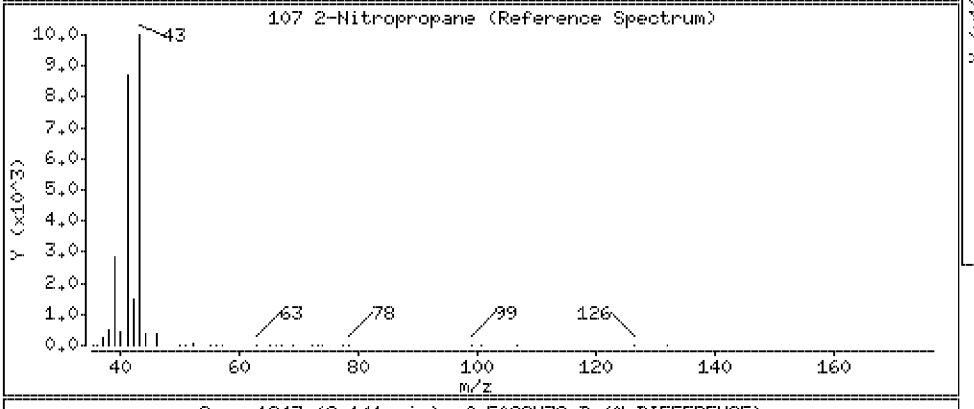
Purge Volume: 5.0 Operator:

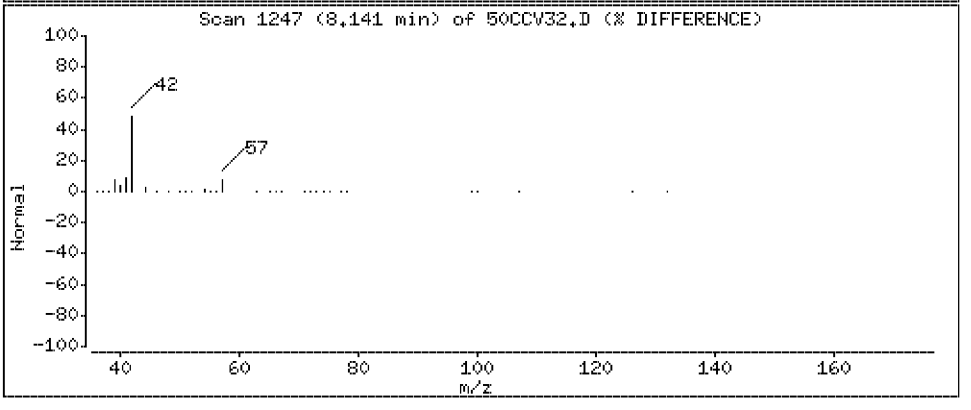
Column phase: DB-624 Column diameter: 0.18

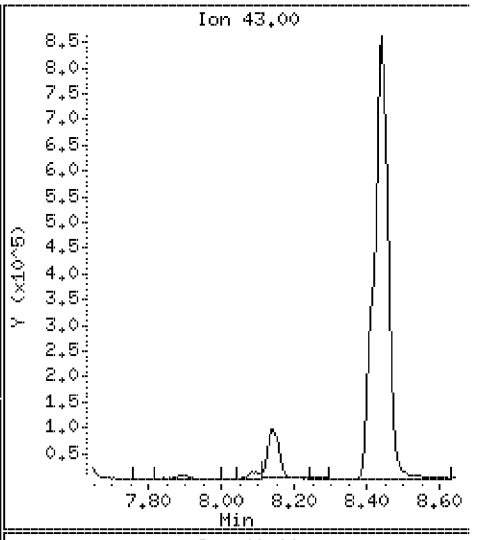
107 2-Nitropropane Concentration: 101 ug/l

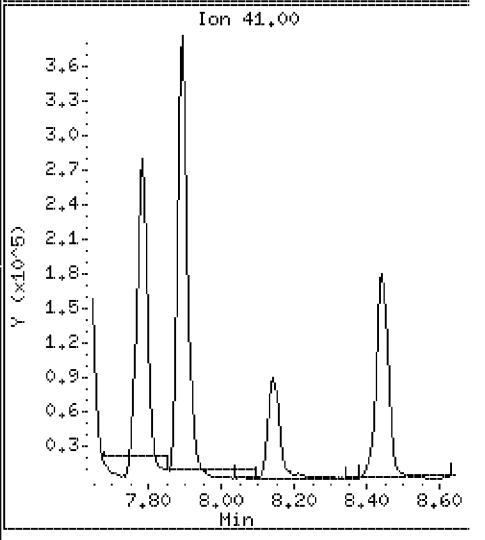












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Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

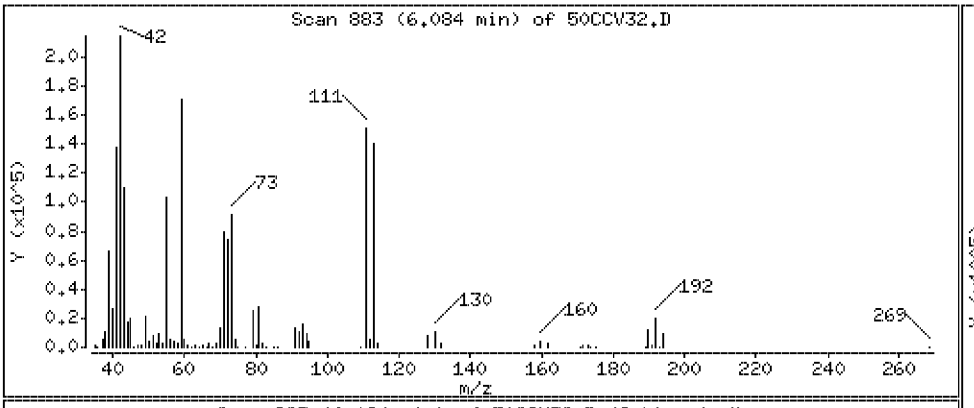
Operator:

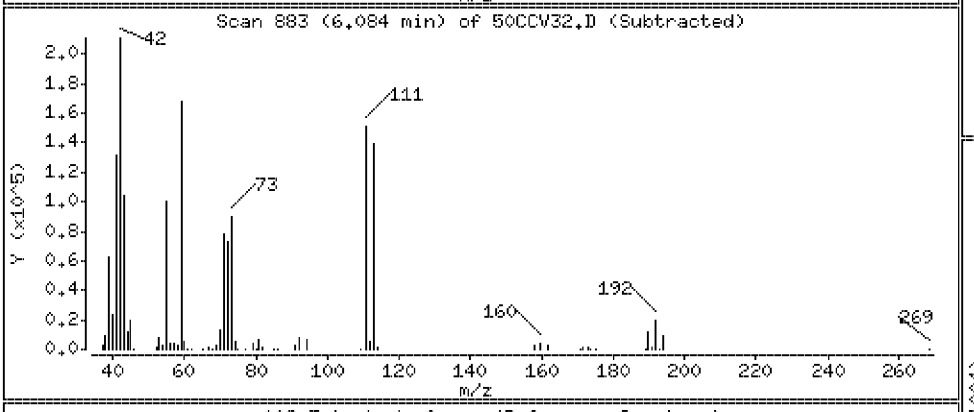
Column phase: DB-624

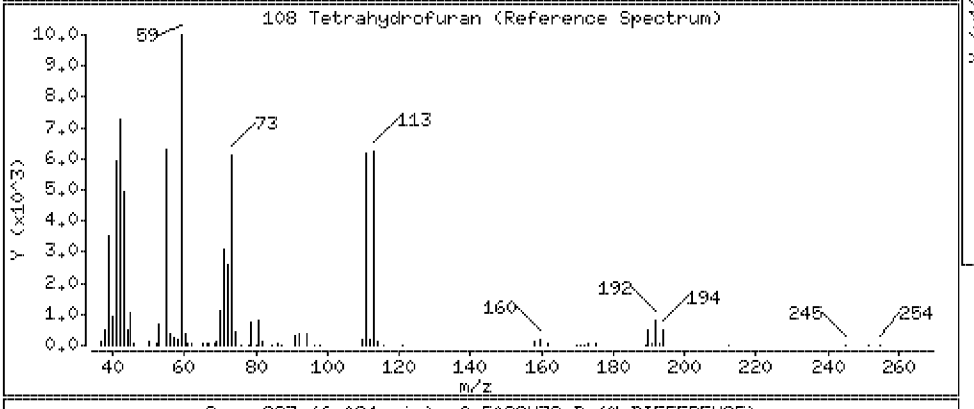
Column diameter: 0.18

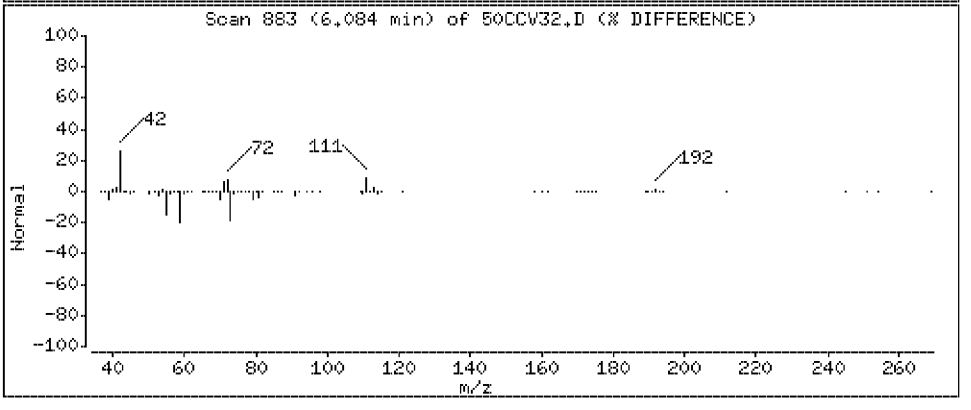
108 Tetrahydrofuran

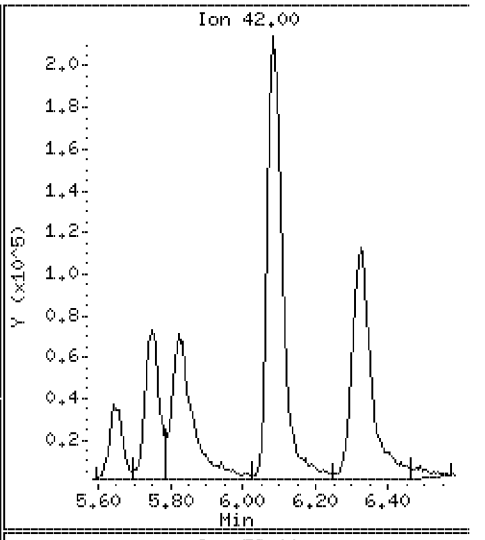
Concentration: 120 ug/l

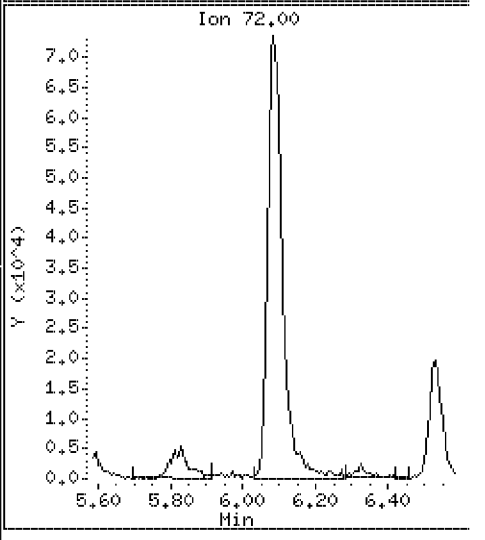












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Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

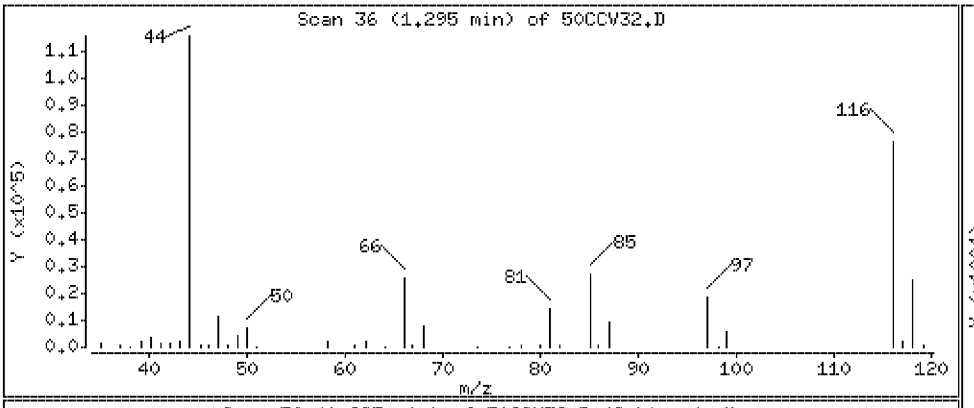
Operator:

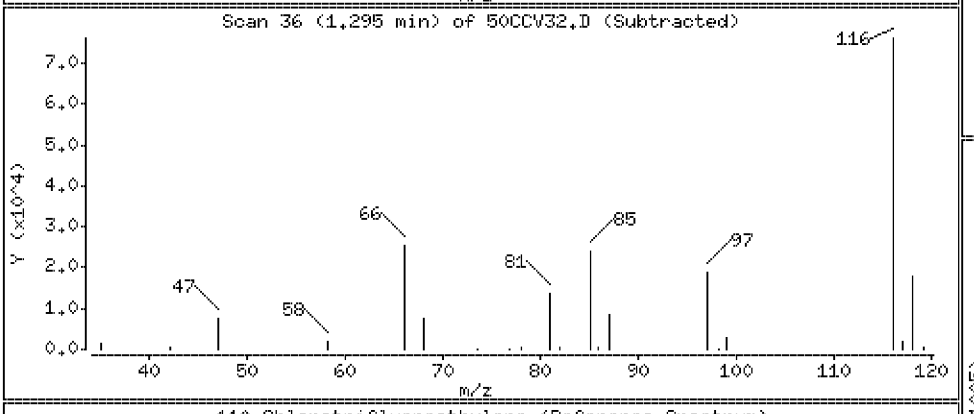
Column phase: DB-624

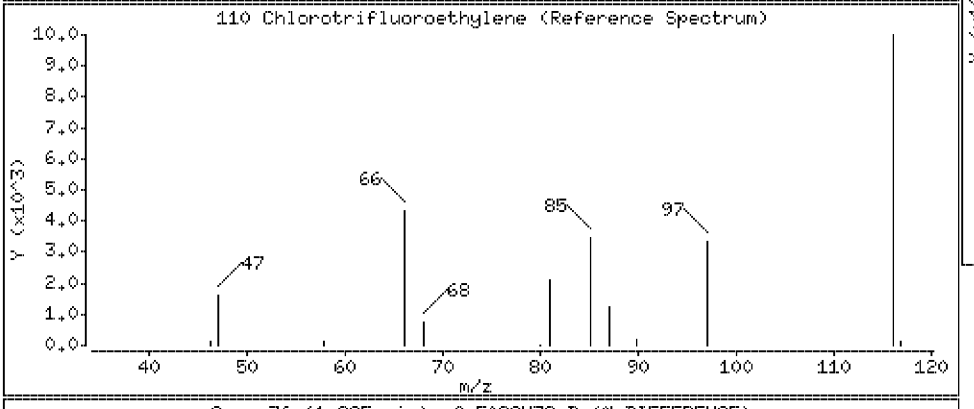
Column diameter: 0.18

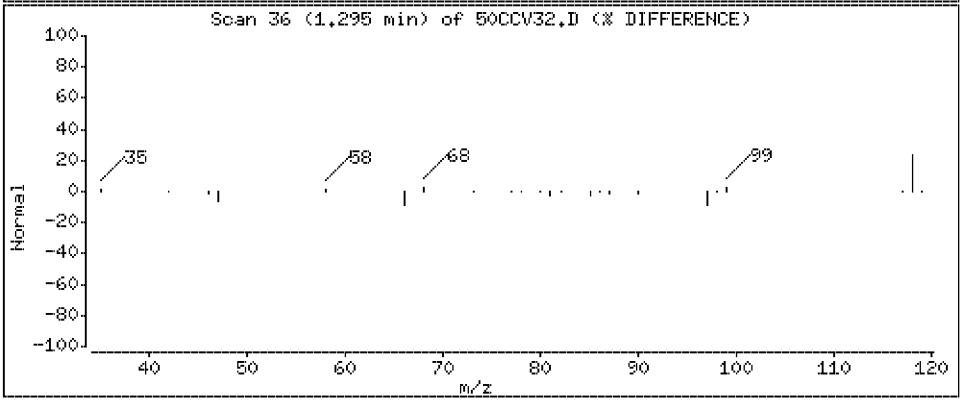
110 Chlorotrifluoroethylene

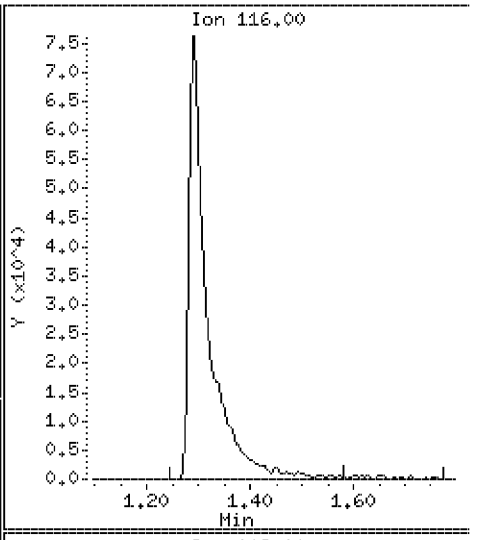
Concentration: 53.8 ug/l

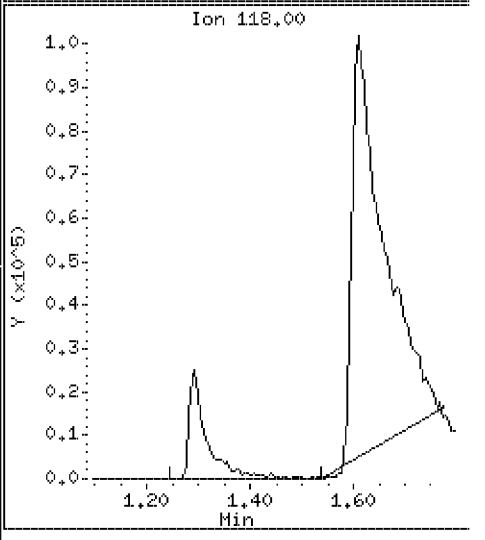












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Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

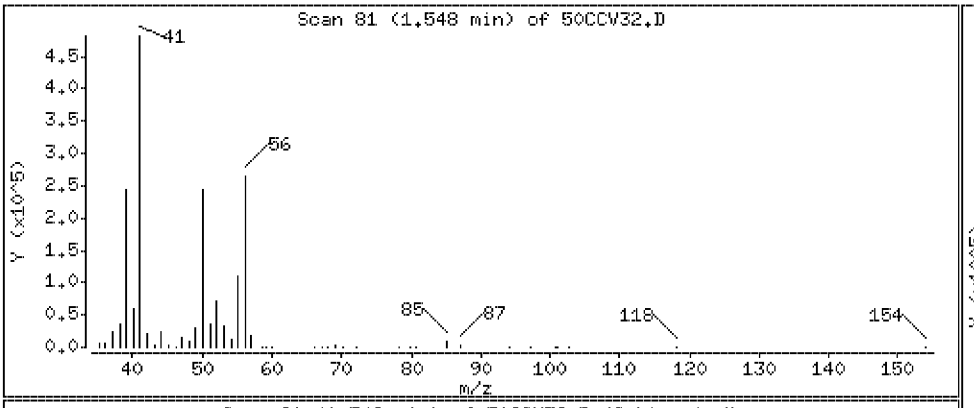
Operator:

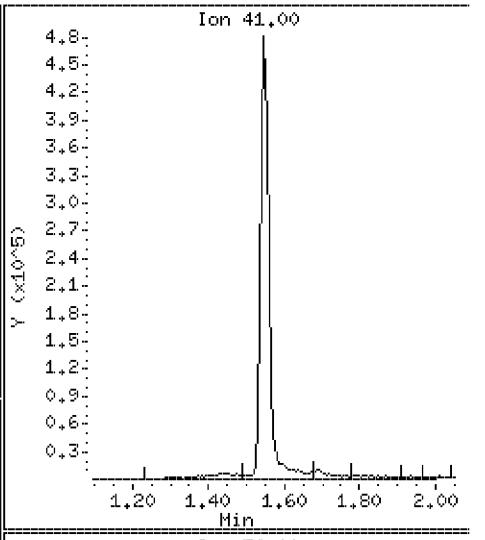
Column phase: DB-624

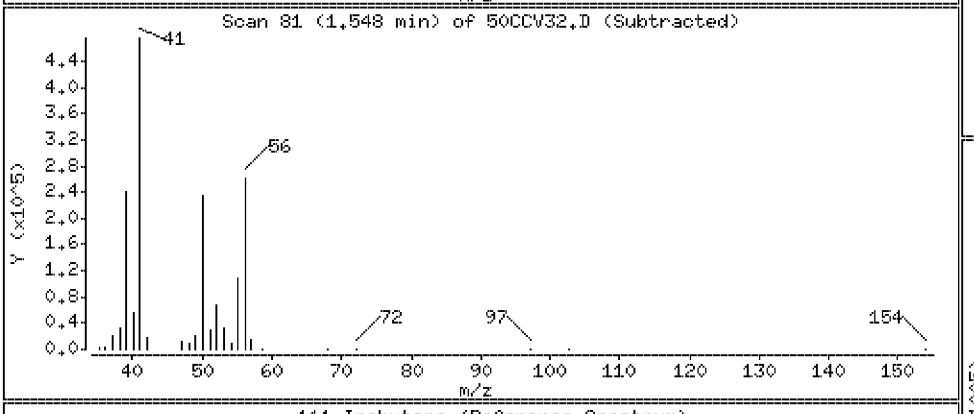
Column diameter: 0.18

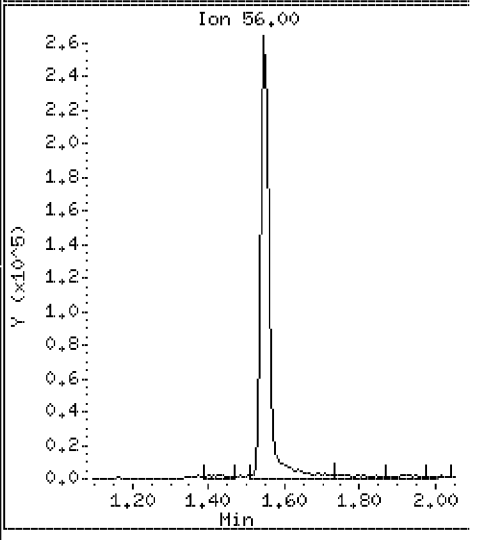
111 Isobutene

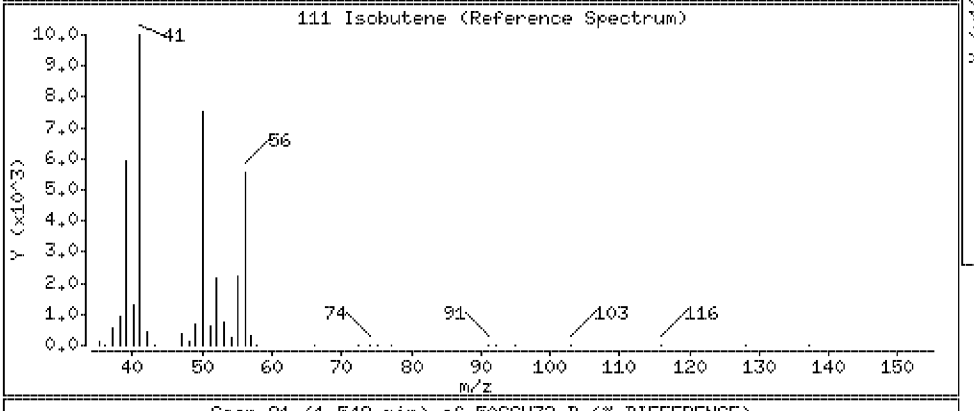
Concentration: 970 ug/l

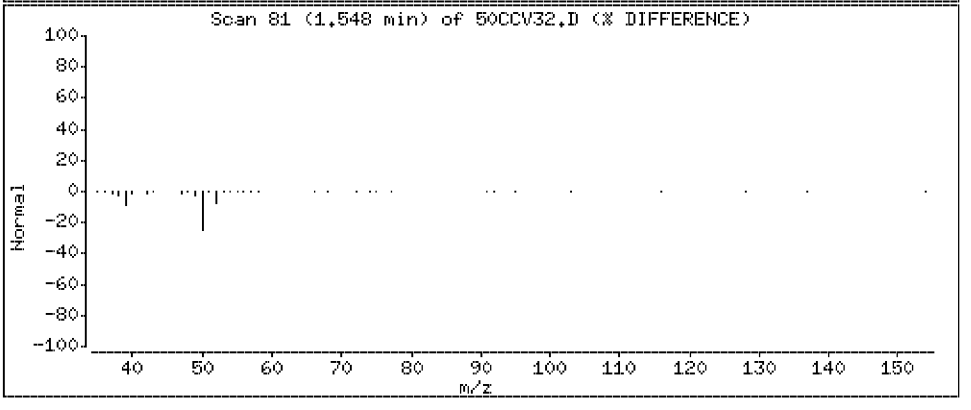












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

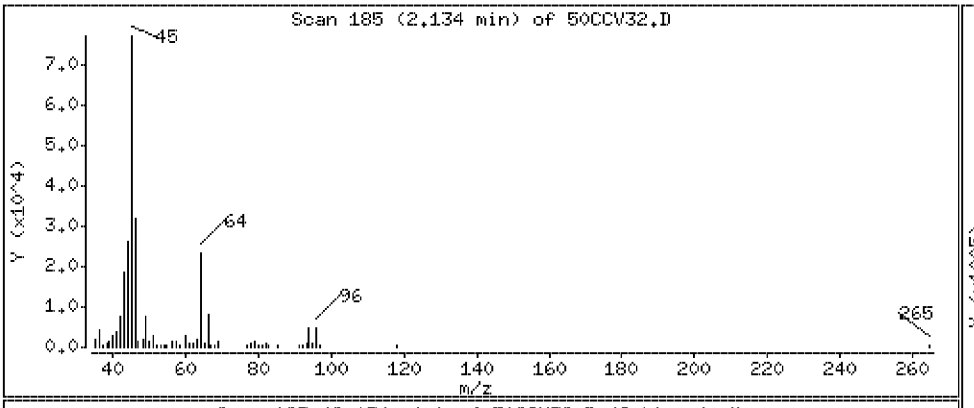
Operator:

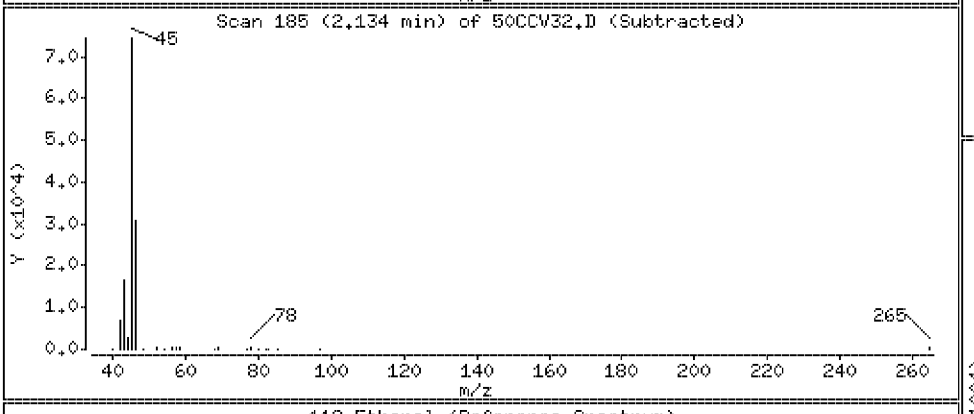
Column phase: DB-624

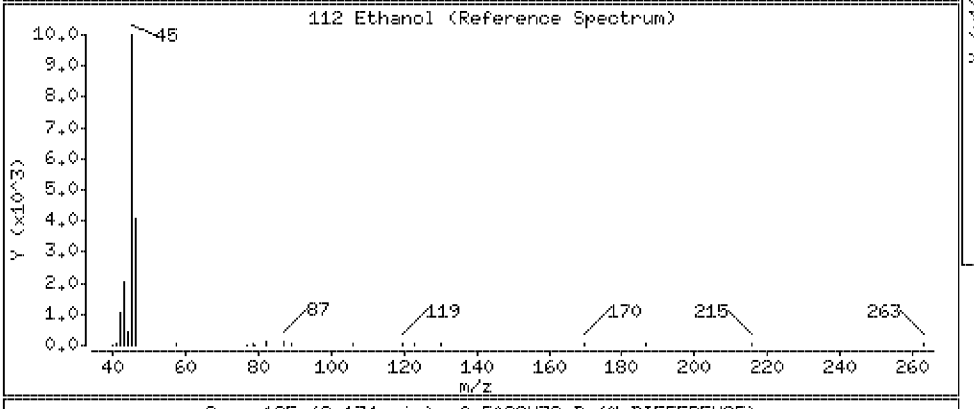
Column diameter: 0.18

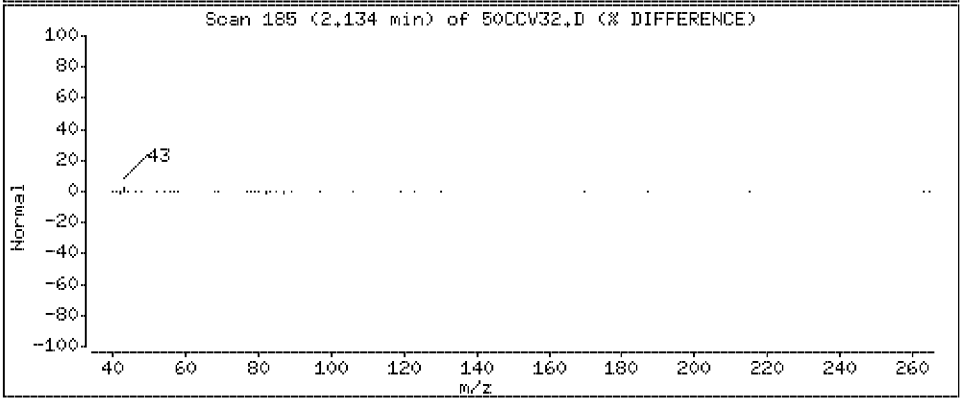
112 Ethanol

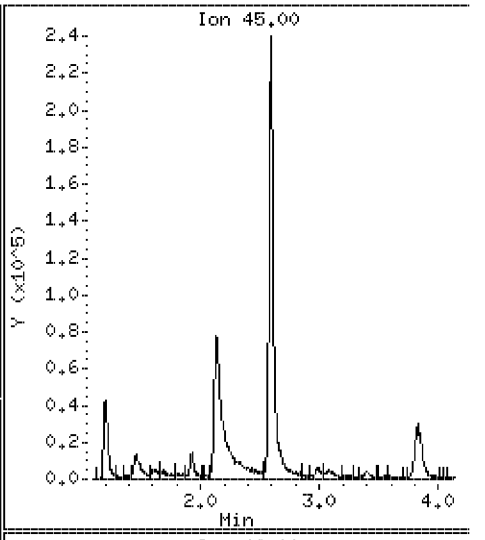
Concentration: 5550 ug/l

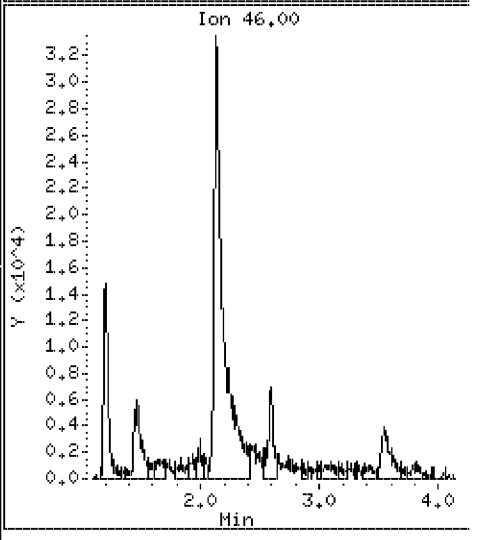












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

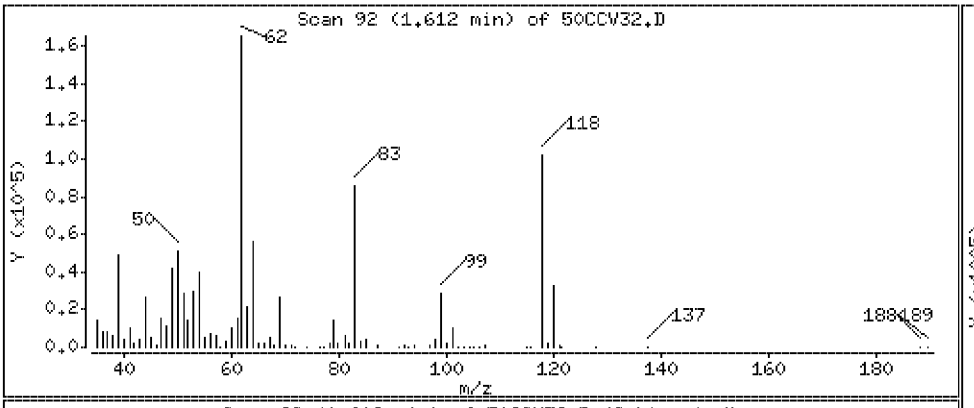
Client ID: 121709CCVA32 Instrument: vms03.i

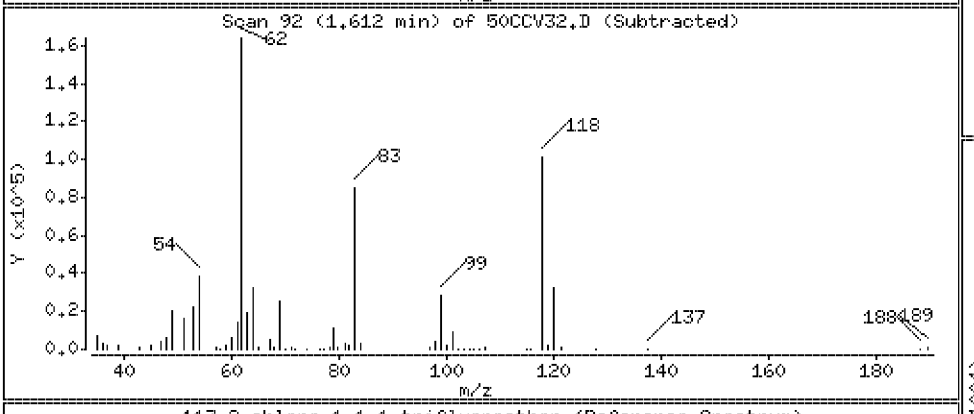
Sample Info: 121709CCVA32

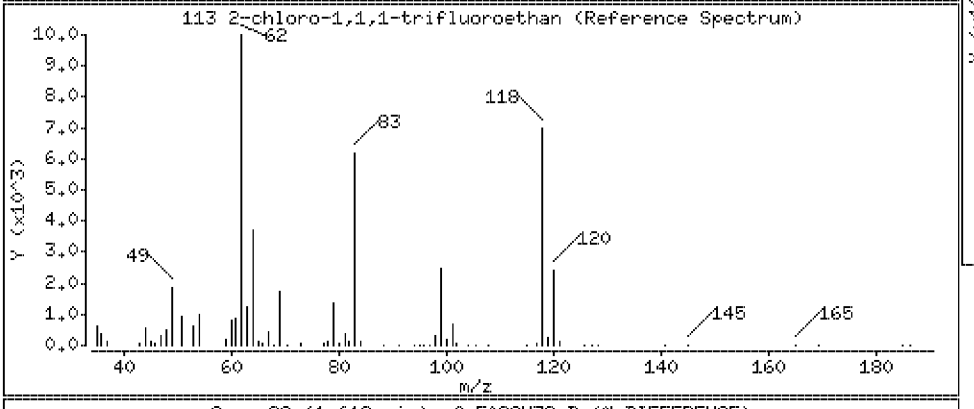
Purge Volume: 5.0 Operator:

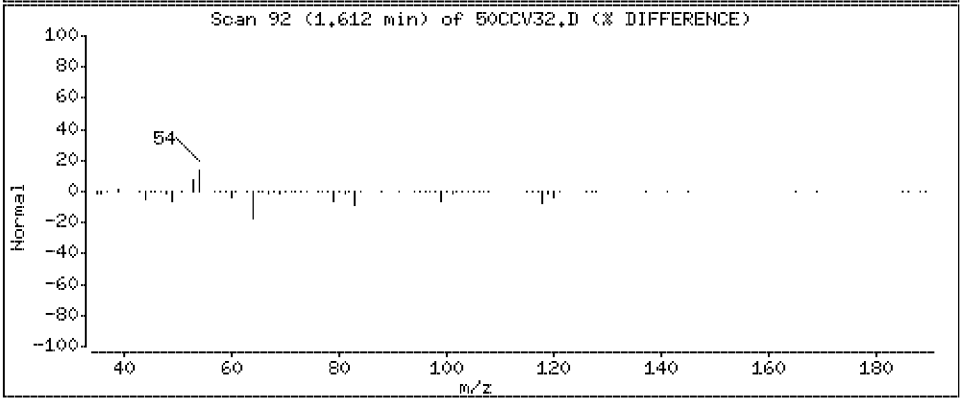
Column phase: DB-624 Column diameter: 0.18

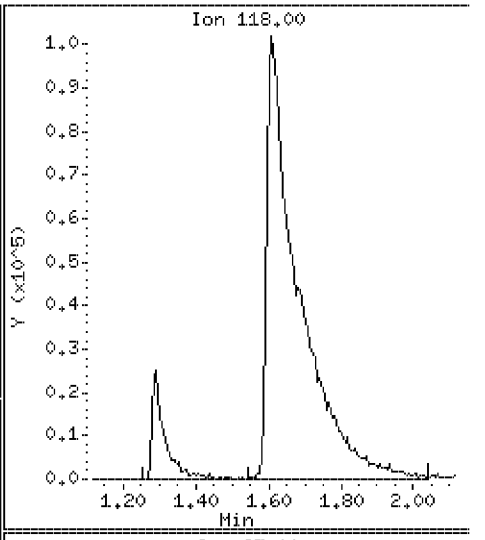
113 2-chloro-1,1,1-trifluoroethan Concentration: 45.2 ug/l

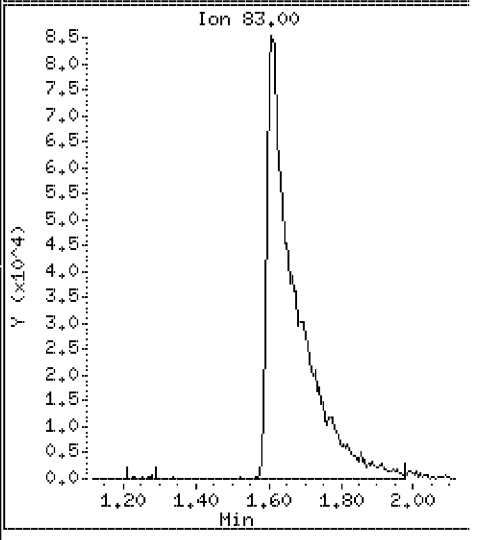












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

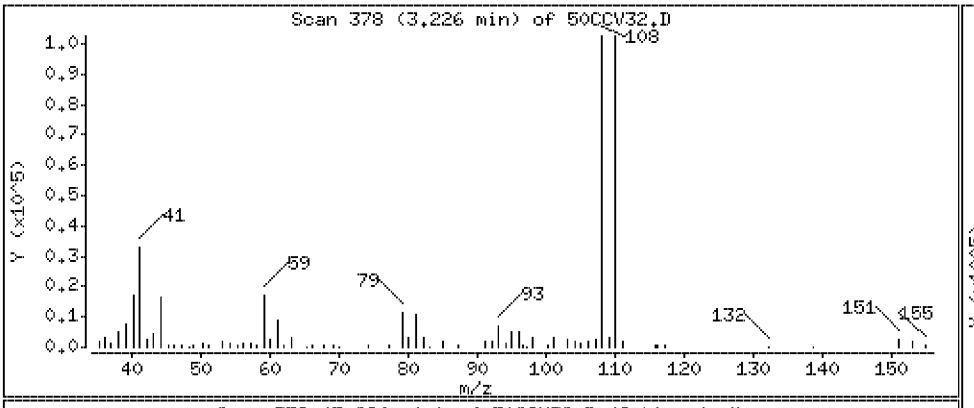
Operator:

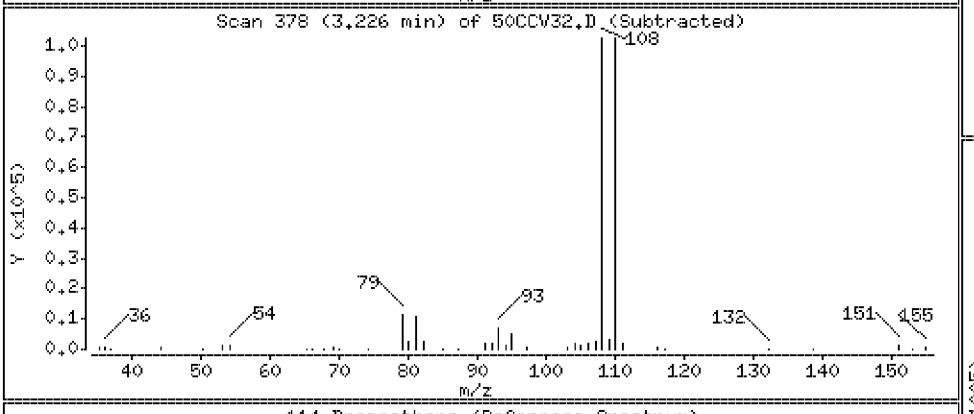
Column phase: DB-624

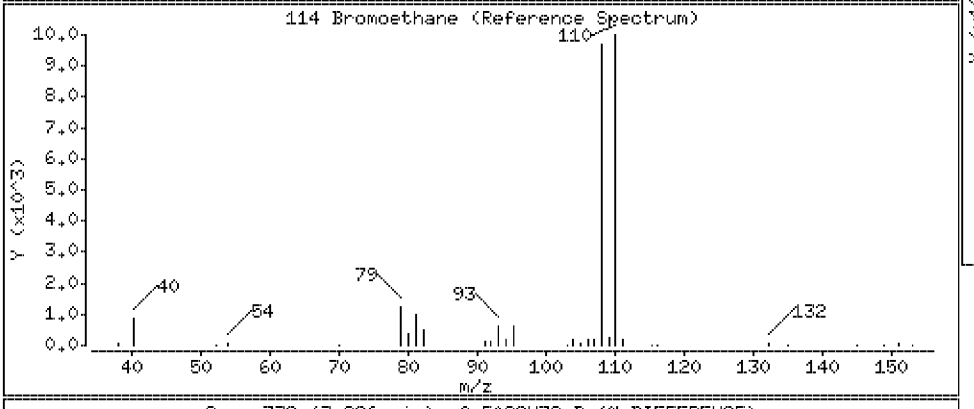
Column diameter: 0.18

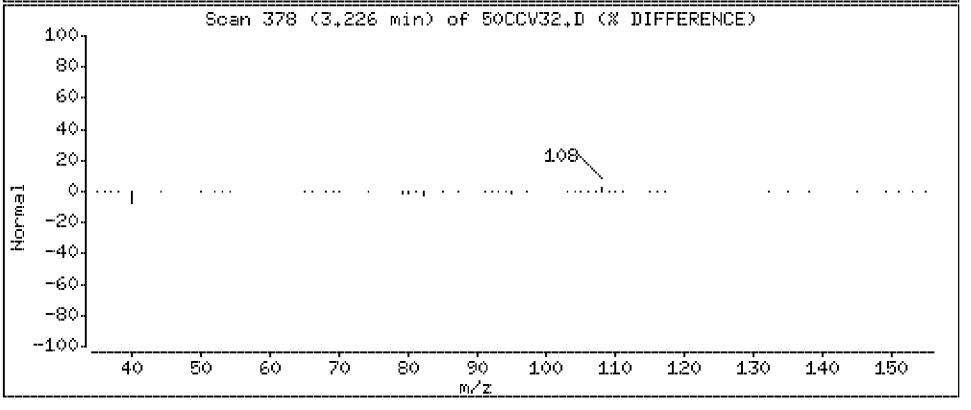
114 Bromoethane

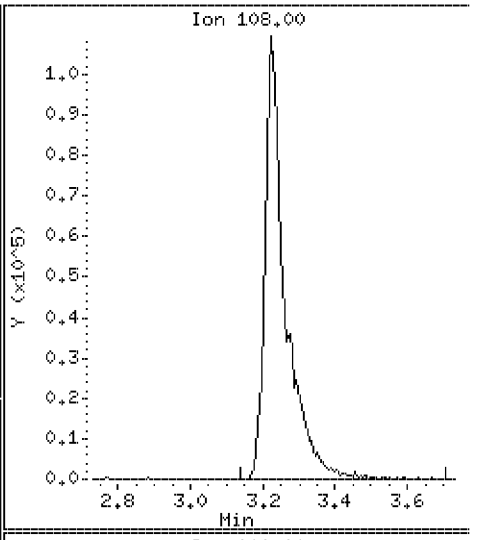
Concentration: 52.1 ug/l

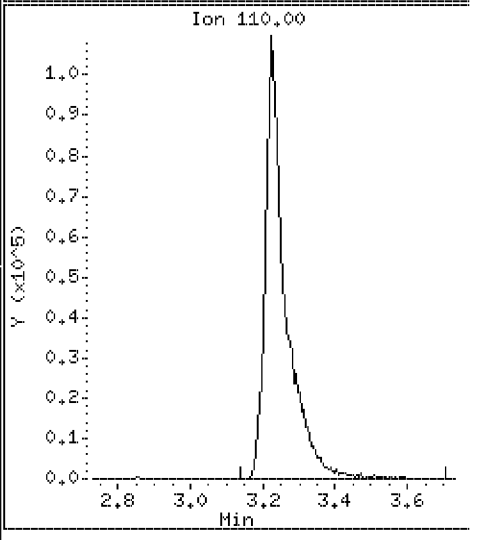












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

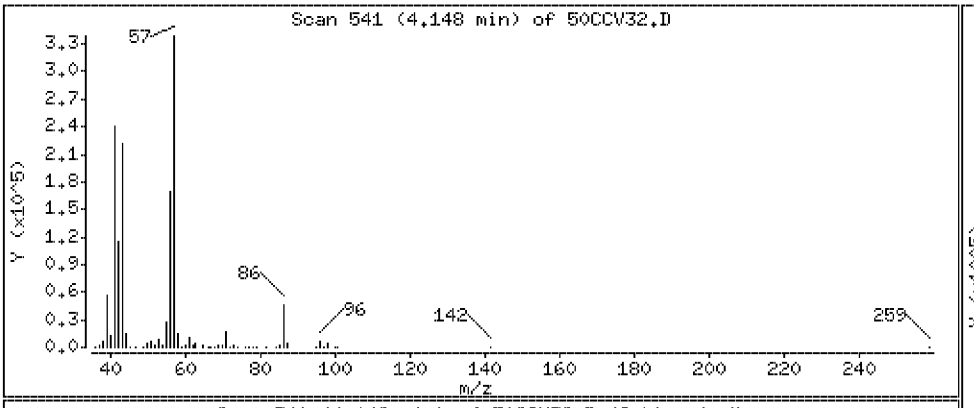
Operator:

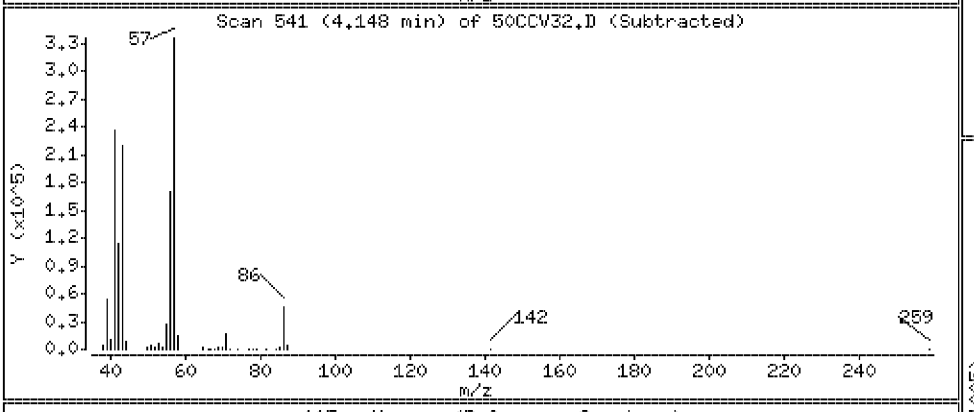
Column phase: DB-624

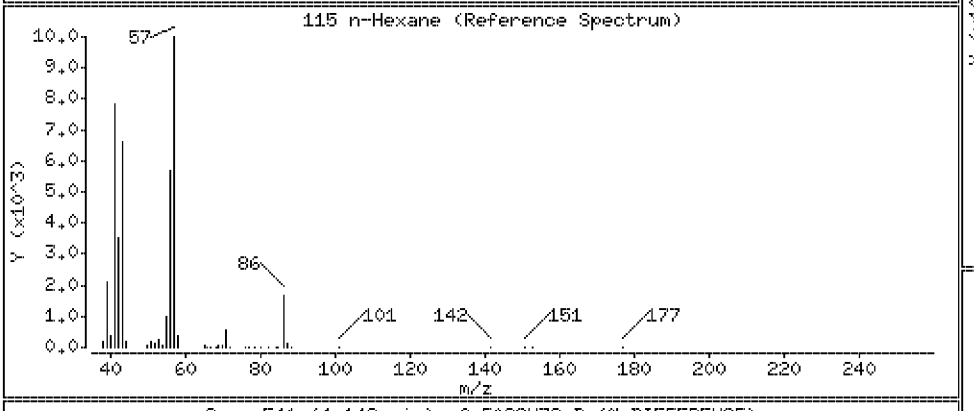
Column diameter: 0.18

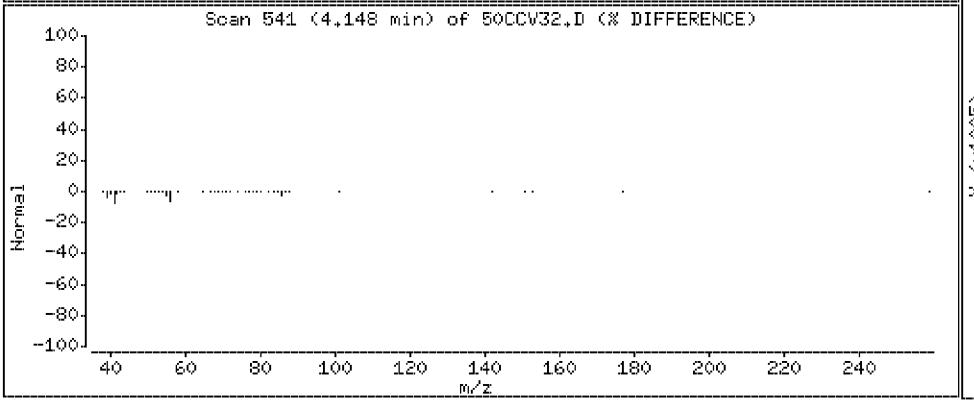
115 n-Hexane

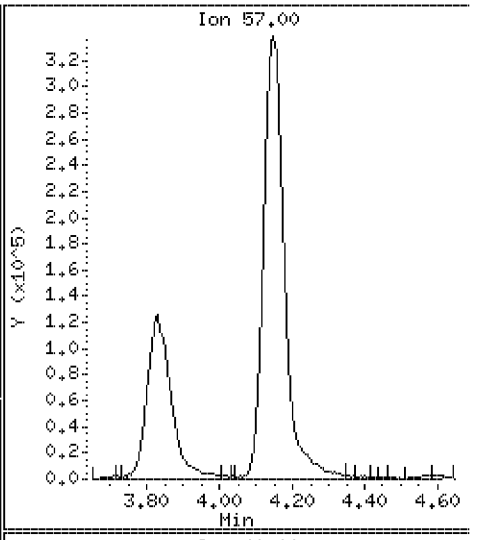
Concentration: 57.5 ug/l

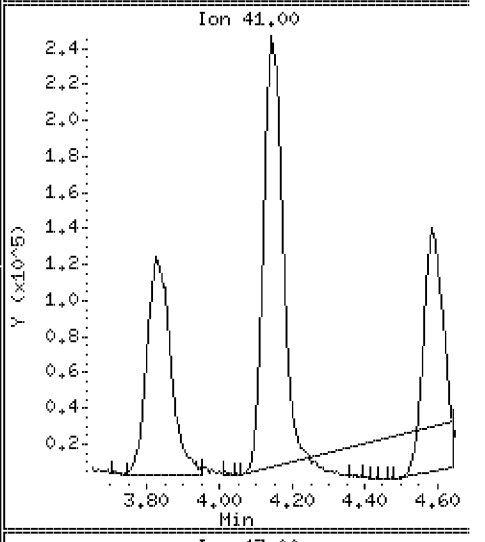


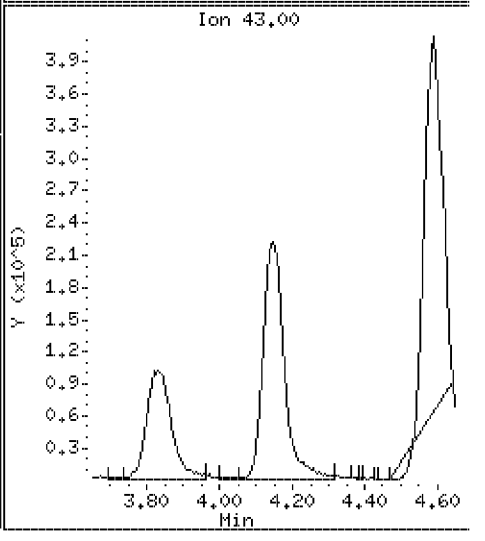












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

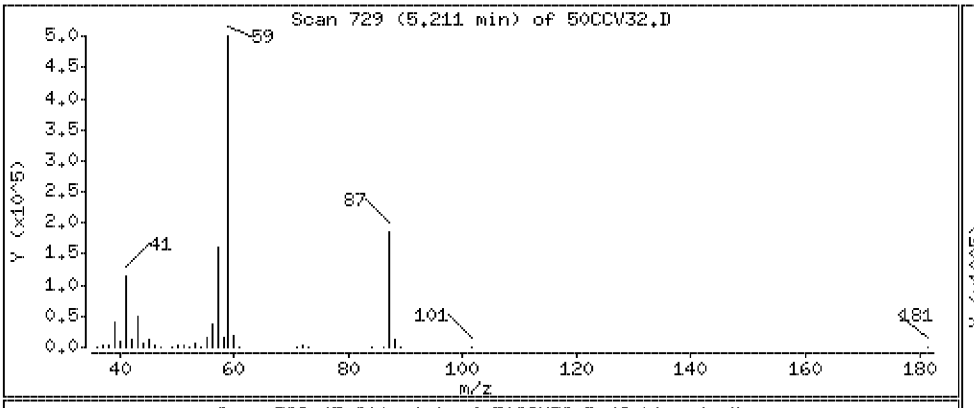
Client ID: 121709CCVA32 Instrument: vms03.i

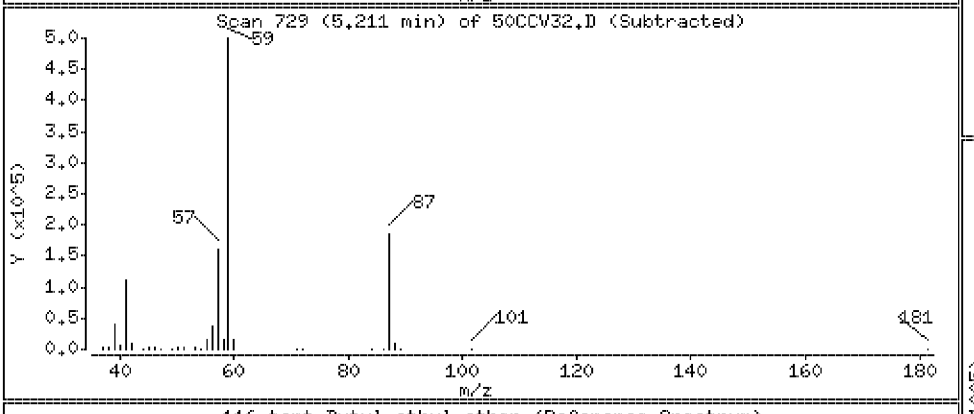
Sample Info: 121709CCVA32

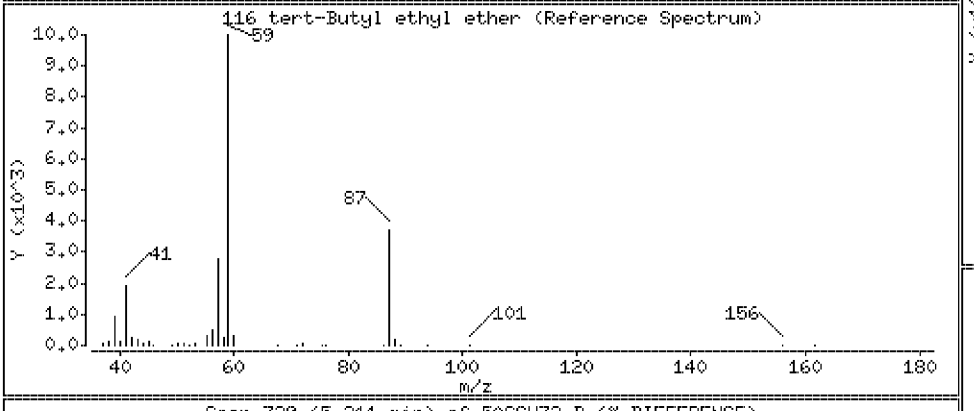
Purge Volume: 5.0 Operator:

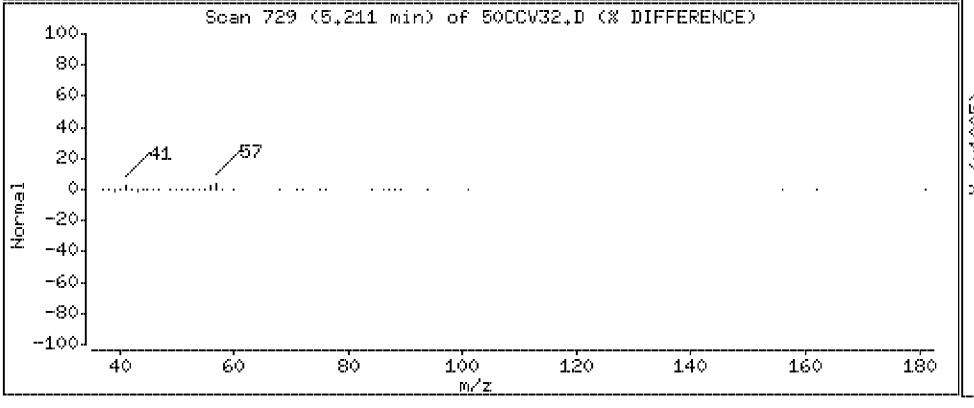
Column phase: DB-624 Column diameter: 0.18

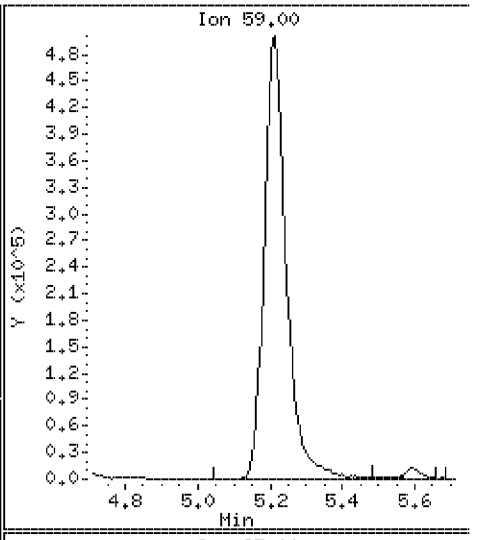
116 tert-Butyl ethyl ether Concentration: 45.0 ug/l

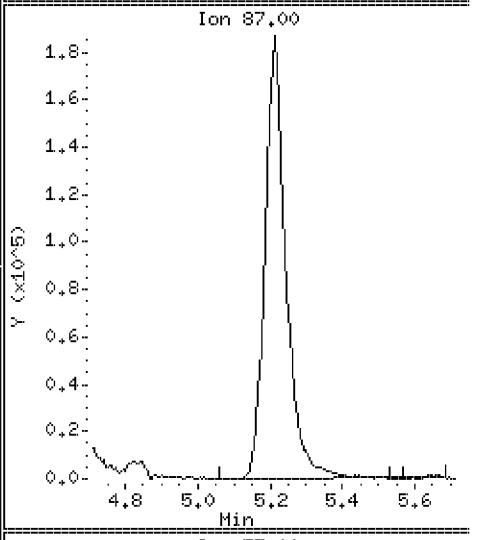


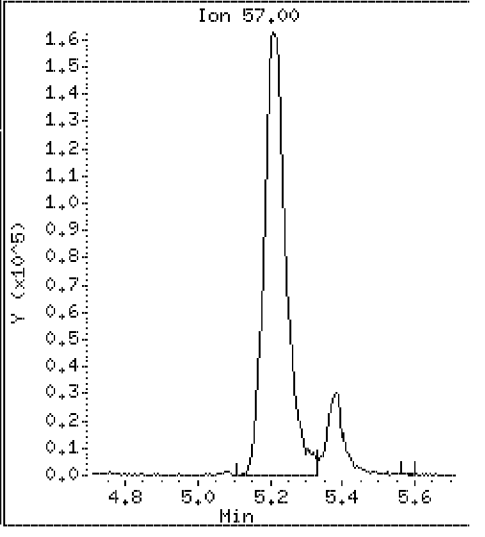












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

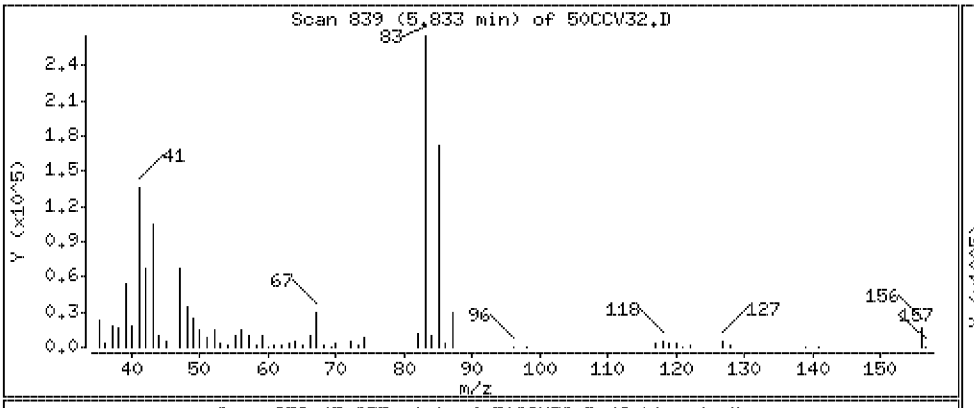
Operator:

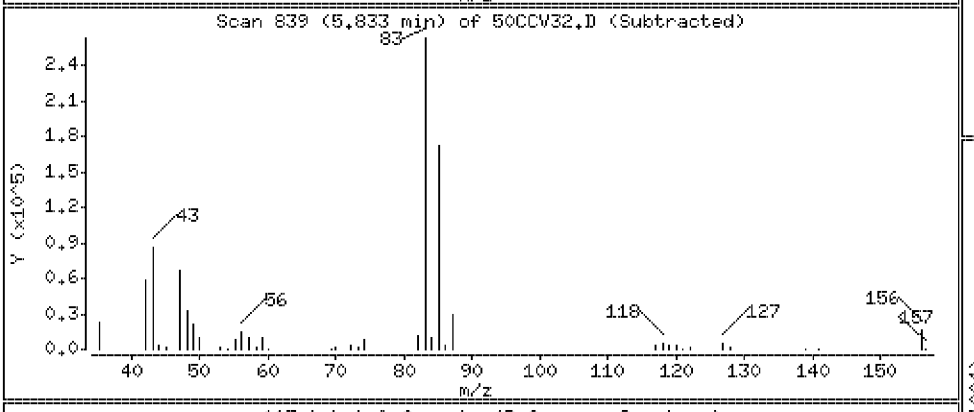
Column phase: DB-624

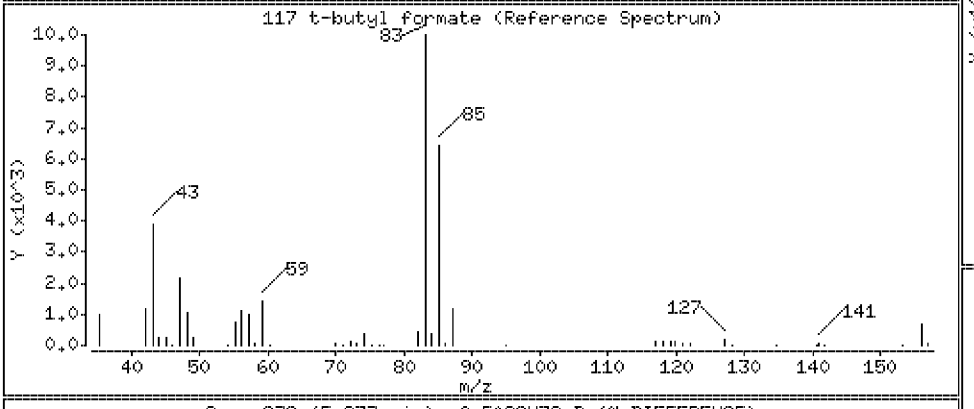
Column diameter: 0.18

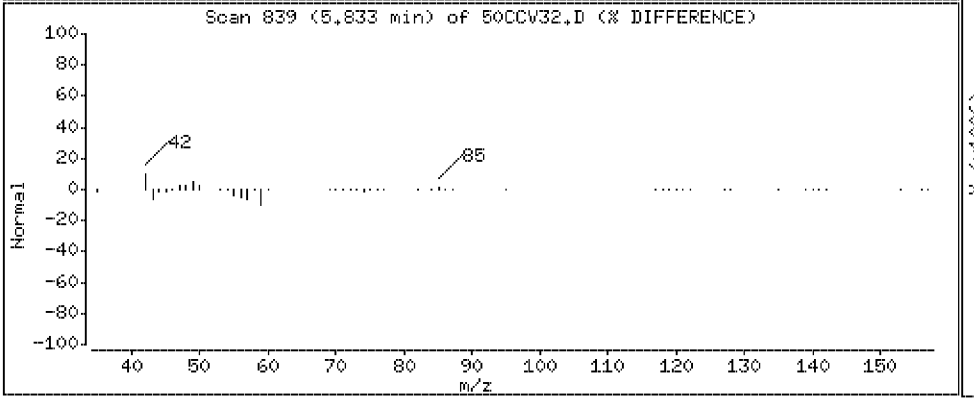
117 t-butyl formate

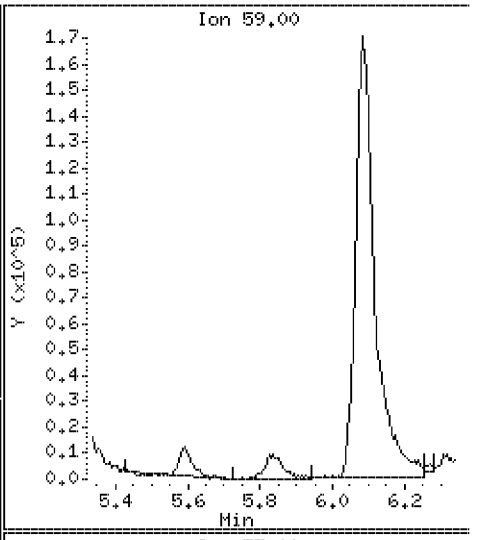
Concentration: 652 ug/l

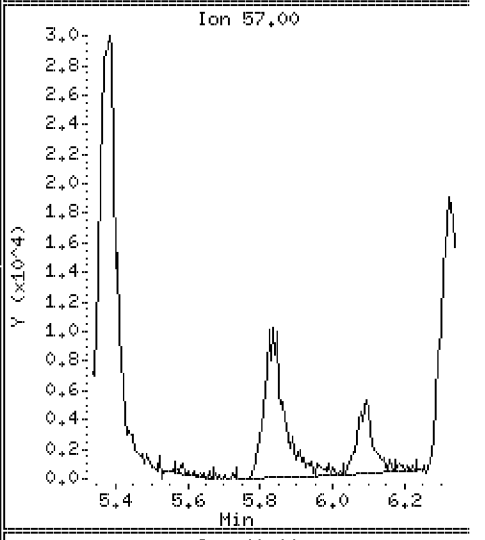


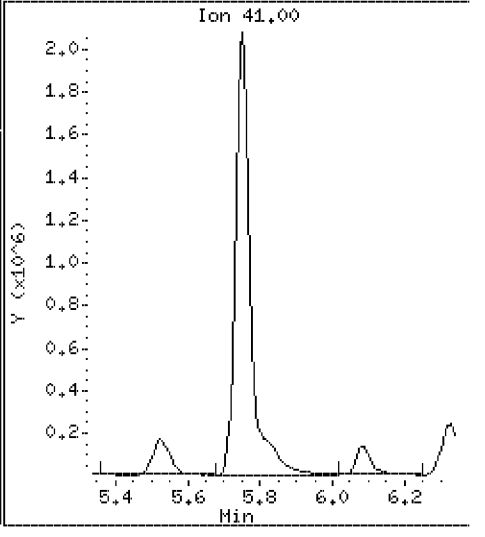












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

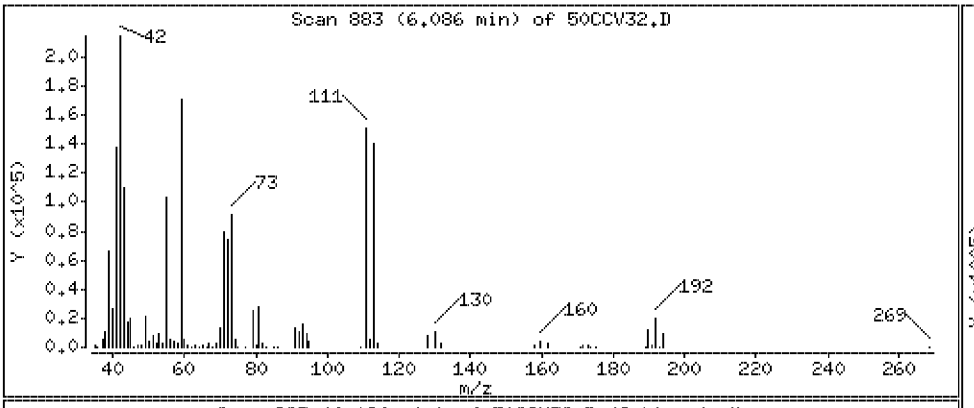
Client ID: 121709CCVA32 Instrument: vms03.i

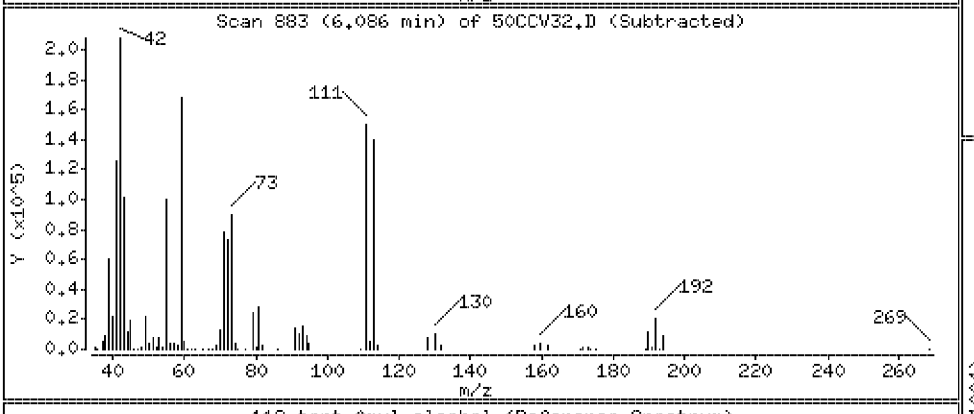
Sample Info: 121709CCVA32

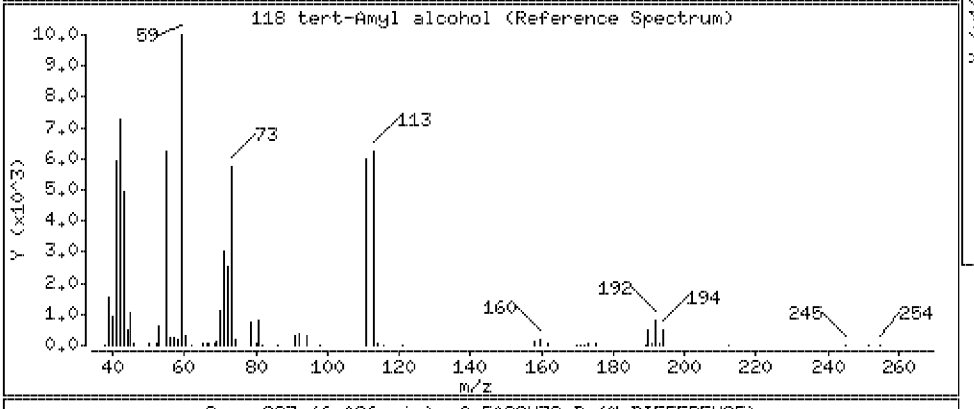
Purge Volume: 5.0 Operator:

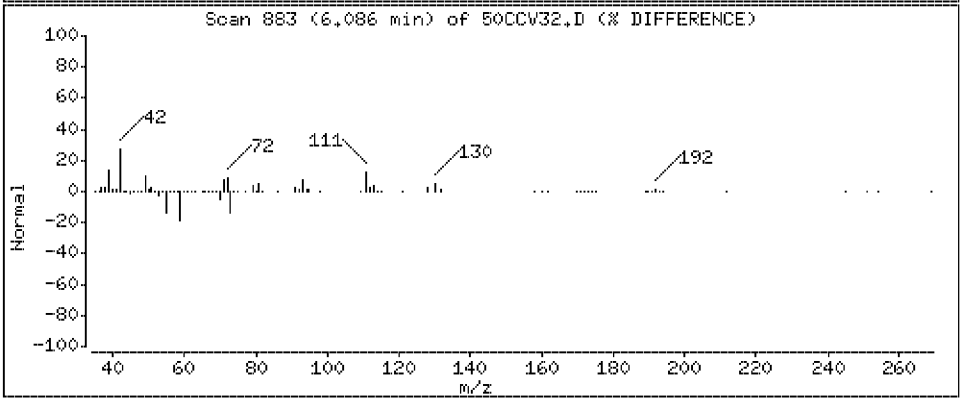
Column phase: DB-624 Column diameter: 0.18

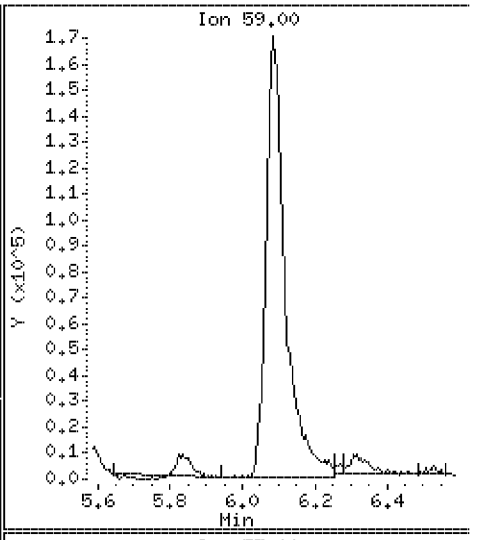
118 tert-Amyl alcohol Concentration: 1270 ug/l

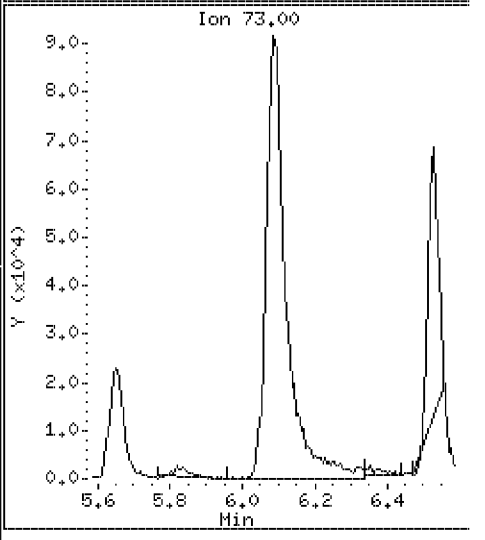












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

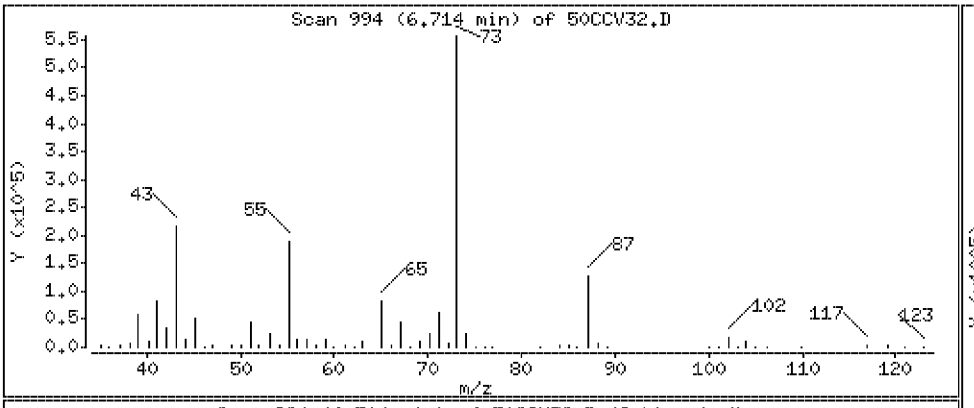
Client ID: 121709CCVA32 Instrument: vms03.i

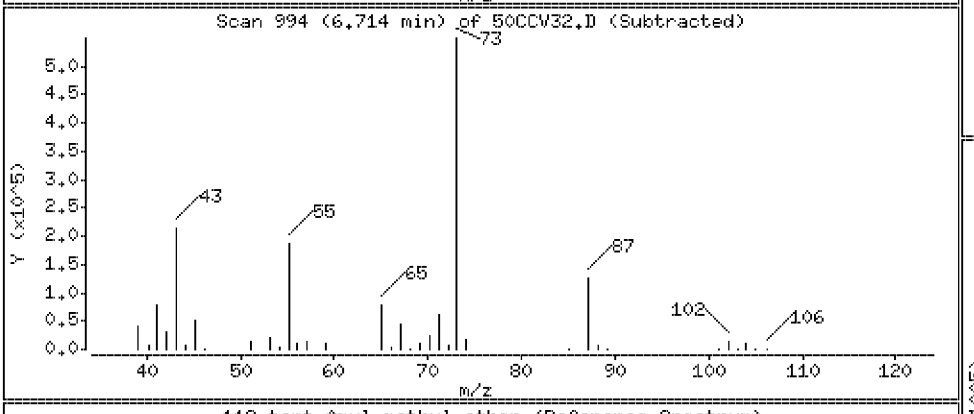
Sample Info: 121709CCVA32

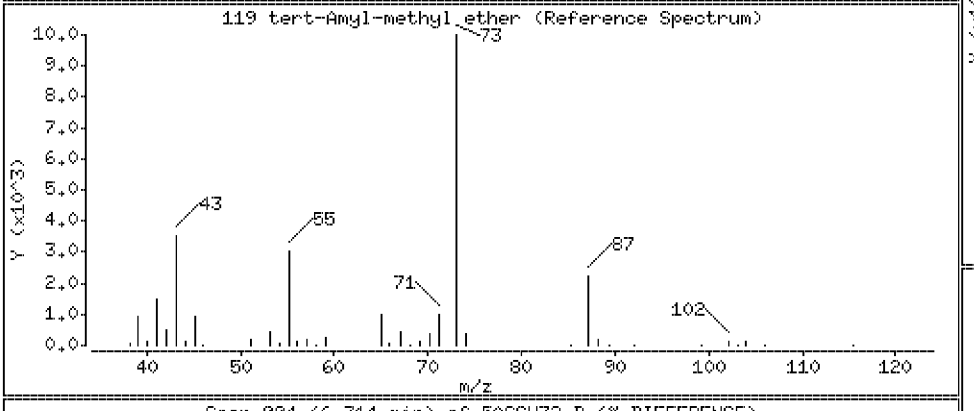
Purge Volume: 5.0 Operator:

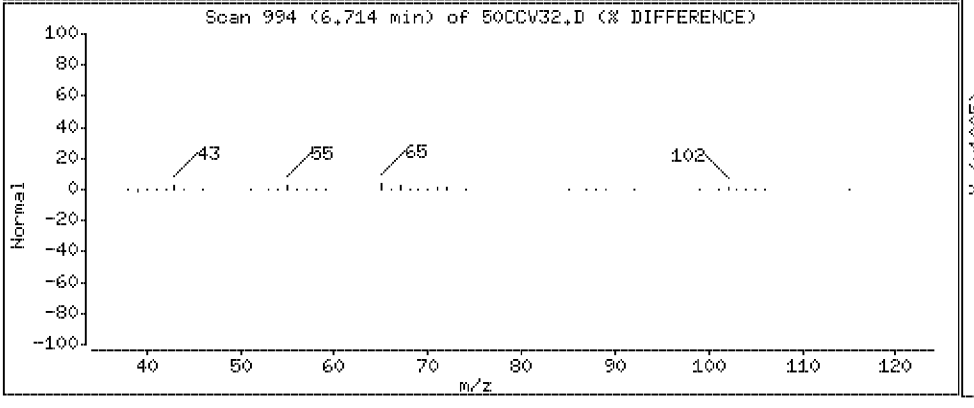
Column phase: DB-624 Column diameter: 0.18

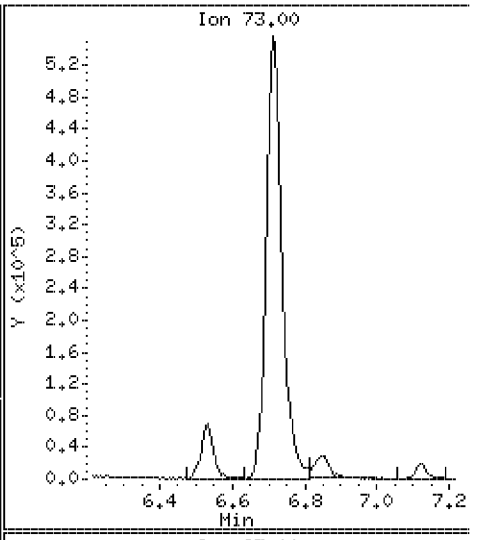
119 tert-Amyl-methyl ether Concentration: 46.0 ug/l

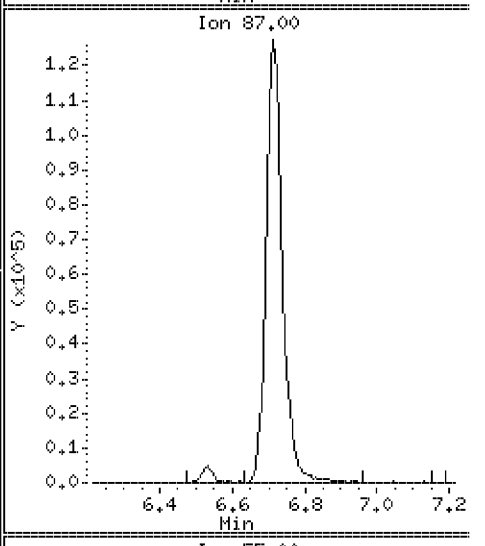


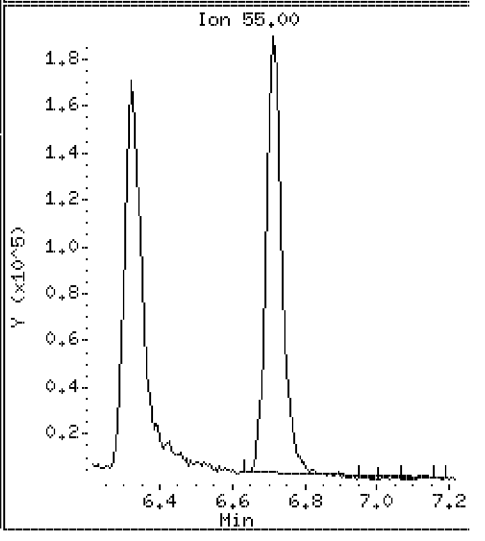












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

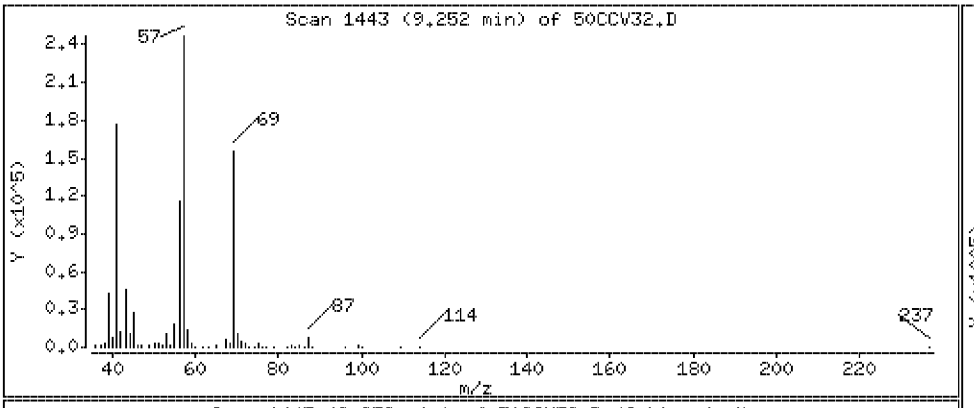
Operator:

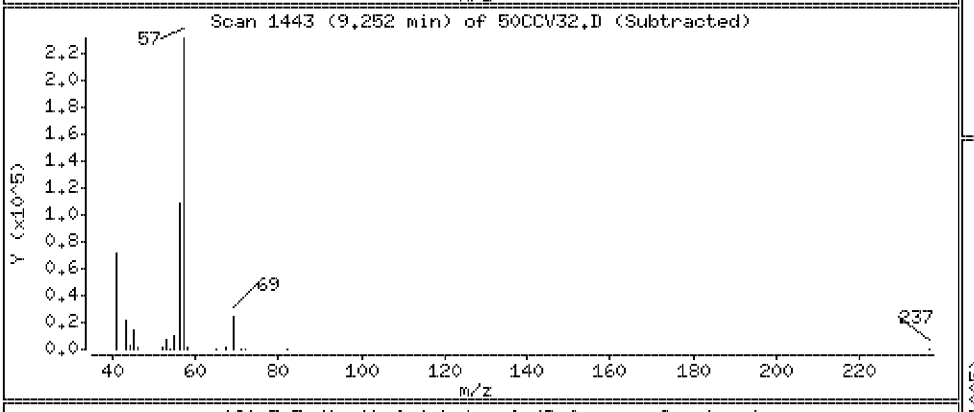
Column phase: DB-624

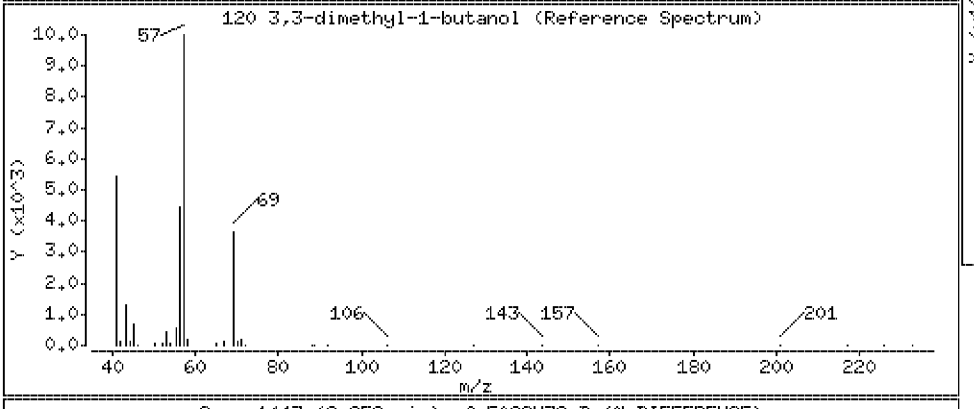
Column diameter: 0.18

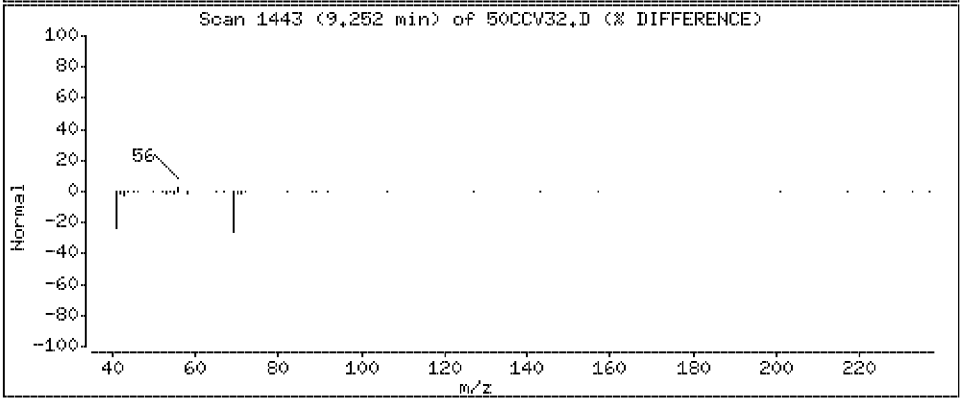
120 3,3-dimethyl-1-butanol

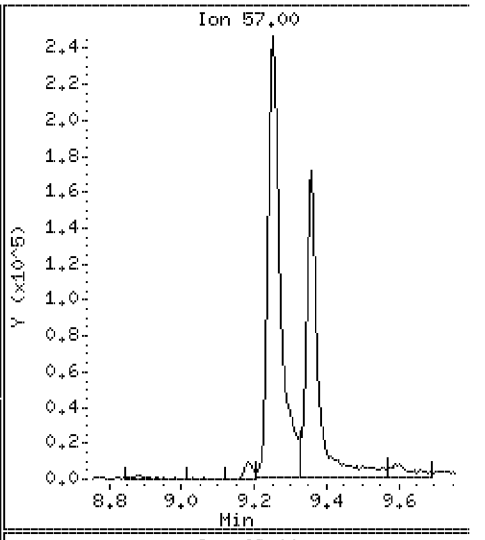
Concentration: 1390 ug/l

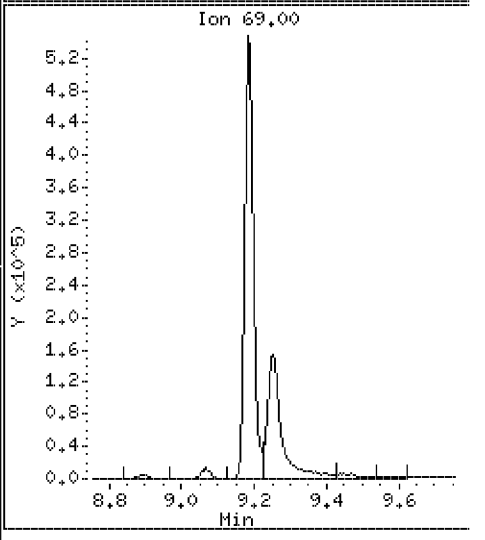












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\50CCV32.D

Date : 17-DEC-2009 05:28

Client ID: 121709CCVA32

Instrument: vms03.i

Sample Info: 121709CCVA32

Purge Volume: 5.0

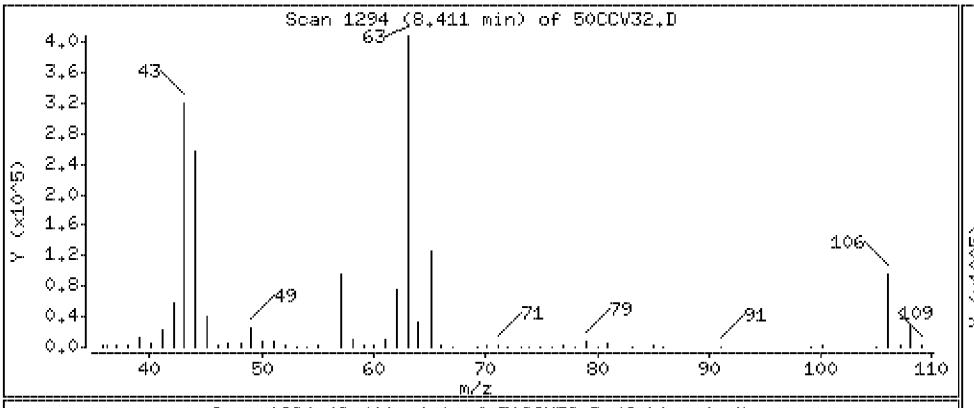
Operator:

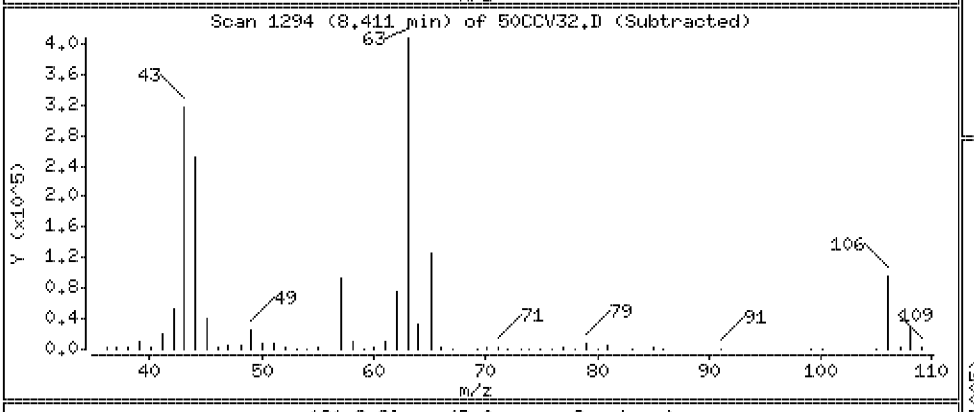
Column phase: DB-624

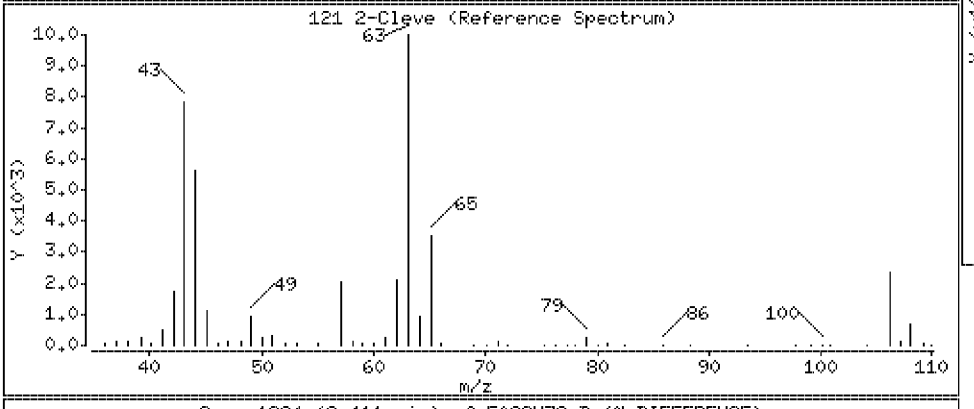
Column diameter: 0.18

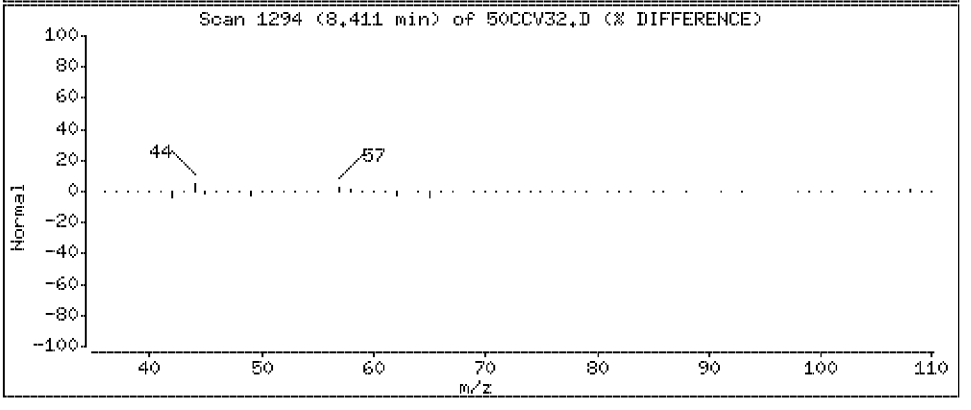
121 2-Cleve

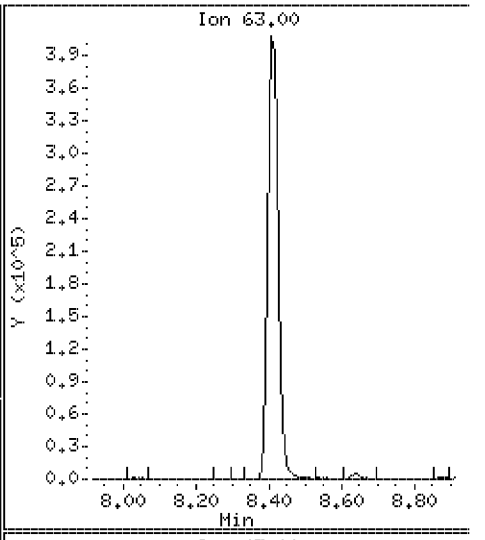
Concentration: 105 ug/l

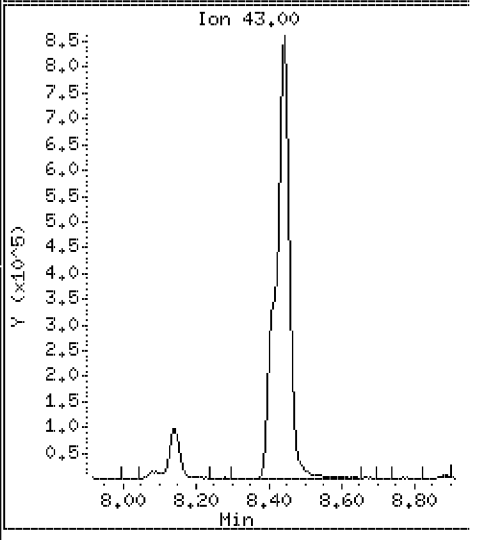












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D
Lab Smp Id: 121709LCSA31 Client Smp ID: 121709LCSA31
Inj Date : 17-DEC-2009 07:04
Operator : Inst ID: vms03.i
Smp Info : 121709LCSA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121709.b\8260A.m
Meth Date : 29-Dec-2009 10:28 lpelo Quant Type: ISTD
Cal Date : 15-DEC-2009 09:47 Cal File: 80PPB.D
Als bottle: 6 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				1086042	43.4223	43.4
M 2 Xylenes (Total)	100				2682918	61.7182	61.7
M 3 Trihalomethanes (Total)	100				1445582	80.1397	80.1
4 Dichlorodifluoromethane	85	1.326	1.327	(0.186)	370743	20.2060	20.2
5 Chloromethane	50	1.522	1.520	(0.214)	285276	21.4772	21.5(M)
6 Vinyl Chloride	62	1.607	1.610	(0.226)	313348	19.3629	19.4
7 Bromomethane	96	1.991	1.994	(0.280)	166909	19.6238	19.6
8 Chloroethane	64	2.067	2.069	(0.290)	179118	19.4504	19.4
9 Trichlorofluoromethane	101	2.296	2.298	(0.322)	374504	21.7009	21.7
10 Acrolein	56	2.738	2.738	(0.384)	43902	36.5192	36.5
11 1,1,2 Trichlorotrifluoromethan	101	2.770	2.773	(0.389)	253354	21.2134	21.2
12 Acetone	43	2.815	2.813	(0.395)	363922	46.9471	46.9
13 1,1-Dichloroethene	61	2.952	2.956	(0.415)	580102	20.9862	21.0
109 t-Butyl-Alcohol	59	3.079	3.074	(0.432)	594661	279.454	279(R)
14 Acetonitrile	41	3.422	3.424	(0.480)	659326	202.221	202
15 Iodomethane	142	3.321	3.321	(0.466)	348220	24.9281	24.9
16 Methyl Acetate	43	3.402	3.400	(0.478)	299389	19.0331	19.0
17 Allyl Chloride	41	3.422	3.424	(0.480)	659326	20.2221	20.2
18 Carbon Disulfide	76	3.549	3.553	(0.498)	1237675	22.2992	22.3
19 Methylene Chloride	49	3.579	3.581	(0.503)	696330	20.3187	20.3
20 Acrylonitrile	53	3.790	3.791	(0.532)	318895	44.6528	44.6
21 Methyl-tert-butyl ether	73	3.834	3.832	(0.538)	854672	18.8207	18.8
22 trans 1,2-Dichloroethene	61	4.021	4.024	(0.565)	663803	21.9992	22.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	23 1,1-Dichloroethane	63	4.698	4.700	(0.660)	829372	21.7023	21.7
	24 Vinyl Acetate	43	4.761	4.761	(0.669)	628540	21.1347	21.1
	25 Chloroprene	53	4.835	4.834	(0.679)	685796	22.0692	22.1
	26 2-Butanone	43	5.382	5.377	(0.756)	472002	46.6661	46.7
	27 Propionitrile	54	5.482	5.482	(0.770)	521508	235.843	236
	28 2,2-Dichloropropane	77	5.530	5.529	(0.777)	304029	19.8208	19.8
	29 cis-1,2-Dichloroethene	96	5.594	5.596	(0.786)	422239	21.4231	21.4(q)
	30 Methyacrylonitrile	67	5.752	5.753	(0.808)	1442487	208.011	208
	31 Isobutyl Alcohol	43	5.826	5.826	(0.818)	131825	529.537	530(QR)
	32 Chloroform	83	5.812	5.816	(0.816)	668214	21.2137	21.2
	33 Bromochloromethane	49	6.019	6.021	(0.845)	411997	20.9514	21.0
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.102	6.104	(0.857)	730453	51.7435	51.7
	35 1,1,1-Trichloroethane	97	6.326	6.329	(0.888)	435528	21.5468	21.5
	36 Cyclohexane	56	6.324	6.326	(0.888)	703844	22.5021	22.5
	37 1,1-Dichloropropene	75	6.529	6.532	(0.917)	542234	22.6350	22.6
	38 Carbon tetrachloride	117	6.634	6.636	(0.931)	299943	20.4069	20.4
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.737	6.739	(0.946)	187908	54.0089	54.0
	40 1,2-Dichloroethane	62	6.851	6.853	(0.962)	517202	20.2402	20.2
	41 Benzene	78	6.848	6.850	(0.962)	1651301	20.9258	20.9
*	42 FLUOROBENZENE (IS)	96	7.122	7.124	(1.000)	3389155	50.0000	
	43 Trichloroethylene	130	7.576	7.577	(1.064)	343959	21.1210	21.1
	44 Methyl Cyclohexane	55	7.631	7.634	(1.072)	466459	21.6373	21.6
	45 1,2-Dichloropropane	63	7.782	7.783	(1.093)	446274	20.6865	20.7
	46 Methyl Methacrylate	69	7.895	7.893	(1.109)	199672	20.2152	20.2
	47 Bromodichloromethane	83	8.037	8.039	(1.128)	434732	21.0226	21.0
	48 1,4 Dioxane	88	8.095	8.092	(1.137)	56970	602.250	602(QR)
	49 Dibromomethane	93	8.087	8.087	(1.136)	216091	21.2093	21.2
	50 4-Methyl-2-Pentanone	58	8.444	8.443	(1.186)	269796	42.7713	42.8(Q)
	51 2-Hexanone	43	9.359	9.360	(0.896)	633747	48.5251	48.5
	52 cis 1,3-Dichloropropene	75	8.642	8.643	(1.213)	529354	20.6906	20.7
$	53 TOLUENE d8 (surr)	98	8.885	8.886	(1.248)	2774702	51.5479	51.5
	54 Toluene	92	8.967	8.969	(1.259)	948722	21.4285	21.4
	55 trans 1,3-Dichloropropene	75	9.176	9.178	(1.288)	394573	19.5993	19.6
	56 Ethyl Methacrylate	69	9.187	9.188	(1.290)	332755	19.0278	19.0
	57 1,1,2-Trichloroethane	97	9.331	9.333	(1.310)	285185	20.2084	20.2
	58 1,3-Dichloropropane	76	9.593	9.594	(0.919)	538275	19.6902	19.7
	59 Tetrachloroethylene	164	9.639	9.642	(0.923)	237106	21.6417	21.6
	60 Dibromochloromethane	129	9.848	9.849	(0.943)	238118	20.8477	20.8
	61 1,2-Dibromoethane	107	10.052	10.052	(0.963)	274417	20.7669	20.8
	62 1-Chlorohexane	91	10.237	10.239	(0.980)	450311	22.4712	22.5
*	63 CHLOROBENZENE d5 (IS)	117	10.441	10.443	(1.000)	2414310	50.0000	
	64 Chlorobenzene	112	10.479	10.481	(1.004)	916613	20.9191	20.9
	65 1,1,1,2-Tetrachloroethane	131	10.529	10.530	(1.008)	242528	20.7953	20.8
	66 Ethylbenzene	106	10.538	10.540	(1.009)	518574	21.5482	21.5
	67 p,m-Xylene	106	10.617	10.619	(1.017)	1277996	40.7263	40.7
	68 o-Xylene	91	11.054	11.057	(1.059)	1404922	20.9919	21.0
	69 Styrene	104	11.093	11.094	(1.062)	987570	21.7624	21.8
	70 Bromoform	173	11.426	11.427	(1.094)	104518	17.0556	17.0
	71 1-Methylethylbenzene	105	11.420	11.421	(0.888)	1515765	21.6972	21.7
	72 1,4-Dichloro-2-Butene	53	11.474	11.476	(0.892)	83983	34.2067	34.2(q)
	73 1,1,2,2-Tetrachloroethane	83	11.597	11.598	(0.902)	362096	19.6389	19.6
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.670	11.671	(0.908)	1090535	51.4977	51.5
	75 1,2,3- trichloropropane	110	11.744	11.745	(0.913)	97498	20.0887	20.1
	76 n-Propylbenzene	91	11.823	11.824	(0.920)	1859485	21.9077	21.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	11.858	11.859	(0.922)	805114	20.5232	20.5
78 1,3,5-Trimethylbenzene	105	11.983	11.984	(0.932)	1295901	21.7769	21.8
79 2-Chlorotoluene	91	11.996	11.998	(0.933)	1340983	21.4377	21.4
80 4-Chlorotoluene	91	12.044	12.046	(0.937)	1282915	21.1074	21.1
81 tert-Butylbenzene	119	12.338	12.340	(0.960)	1102468	22.6795	22.7
82 1,2,4-trimethylbenzene	105	12.375	12.377	(0.963)	1363737	21.6719	21.7
83 sec-Butylbenzene	105	12.552	12.554	(0.976)	1422429	22.1437	22.1
84 p-Isopropyltoluene	119	12.691	12.693	(0.987)	1135659	22.2569	22.2
85 1,3-Dichlorobenzene	146	12.780	12.782	(0.994)	663261	20.7334	20.7
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.856	12.858	(1.000)	1210421	50.0000	
87 1,4-Dichlorobenzene	146	12.888	12.890	(1.002)	673984	20.8661	20.9
88 Benzyl Chloride	91	13.008	13.009	(1.012)	306923	16.4811	16.5
89 n-Butylbenzene	91	13.102	13.104	(1.019)	1065604	23.0063	23.0
90 1,2-Dichlorobenzene	146	13.258	13.259	(1.031)	610836	20.7277	20.7
91 1,2-dibromo-3-chloropropane	75	14.044	14.045	(1.092)	46194	20.0410	20.0
92 1,2,4-Trichlorobenzene	180	14.763	14.771	(1.148)	311225	22.1065	22.1
93 Hexachlorobutadiene	223	14.868	14.877	(1.156)	71027	22.3389	22.3
94 Naphthalene	128	14.952	14.961	(1.163)	775334	23.0019	23.0
95 1,2,3-trichlorobenzene	180	15.126	15.138	(1.177)	255319	21.8946	21.9
103 Isopropyl Ether	45	4.590	4.589	(0.645)	1683978	20.3059	20.3
104 Ethyl acetate	43	5.652	5.651	(0.794)	601838	42.2852	42.3(Q)
105 Cyclohexanone	55	11.478	11.478	(1.099)	560766	251.623	252(R)
106 Ethyl ether	59	2.593	2.594	(0.364)	307869	19.9200	19.9
107 2-Nitropropane	43	8.141	8.143	(1.143)	71766	38.4932	38.5(Q)
108 Tetrahydrofuran	42	6.089	6.084	(0.855)	229152	44.7231	44.7
110 Chlorotrifluoroethylene	116	1.294	1.296	(0.182)	81944	22.3608	22.4
111 Isobutene	41	1.548	1.549	(0.217)	299636	400.270	400(A)
112 Ethanol	45	2.133	2.137	(0.300)	161695	1896.85	1900
113 2-chloro-1,1,1-trifluoroethan	118	1.612	1.615	(0.226)	243843	18.1236	18.1
114 Bromoethane	108	3.226	3.229	(0.453)	186662	22.1579	22.2
115 n-Hexane	57	4.148	4.150	(0.582)	539831	22.9399	22.9(q)
116 tert-Butyl ethyl ether	59	5.212	5.211	(0.732)	867078	17.9205	17.9
117 t-butyl formate	59	5.842	5.838	(0.820)	14286	251.928	252(QR)
118 tert-Amyl alcohol	59	6.088	6.088	(0.855)	247215	501.394	501(R)
119 tert-Amyl-methyl ether	73	6.715	6.715	(0.943)	686676	18.0352	18.0
120 3,3-dimethyl-1-butanol	57	9.253	9.253	(1.299)	204547	503.831	504(R)
121 2-Cleve	63	8.412	8.414	(1.181)	325150	45.1211	45.1(Q)

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.
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: LCS31.D
Lab Smp Id: 121709LCSA31
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121709.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 121709LCSA31
Level: LOW
Sample Type: WATER

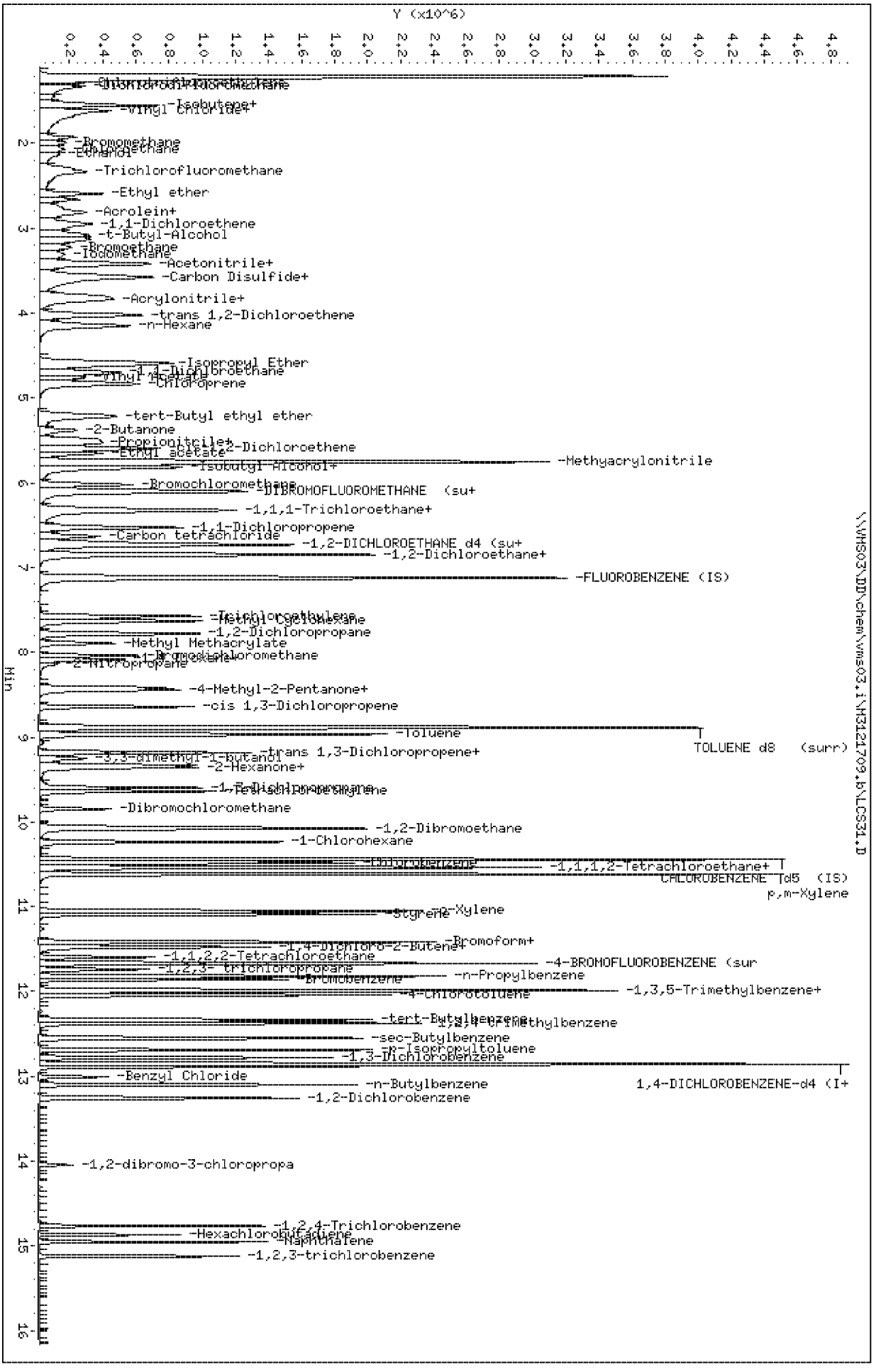
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3389155	4.66
63 CHLOROBENZENE d5	2294514	1147257	4589028	2414310	5.22
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1210421	6.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.00
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	0.00
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	-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\M3121709.b\LCS31.D
Date : 17-DEC-2009 07:04
Client ID: 121709LCSA31
Sample Info: 121709LCSA31
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



Page 5

Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

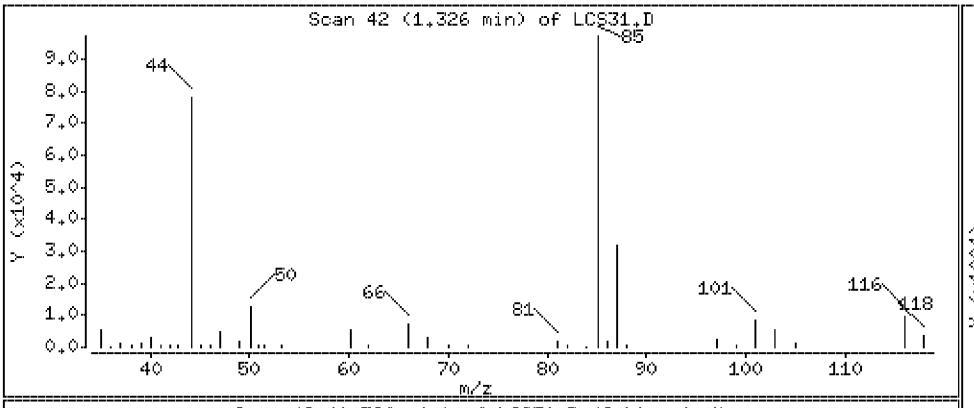
Client ID: 121709LCSA31 Instrument: vms03.i

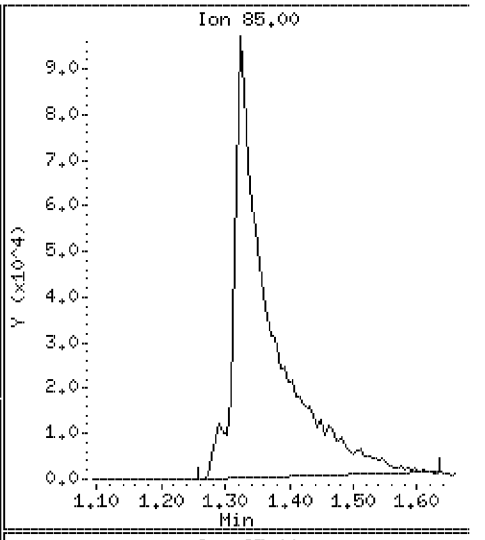
Sample Info: 121709LCSA31

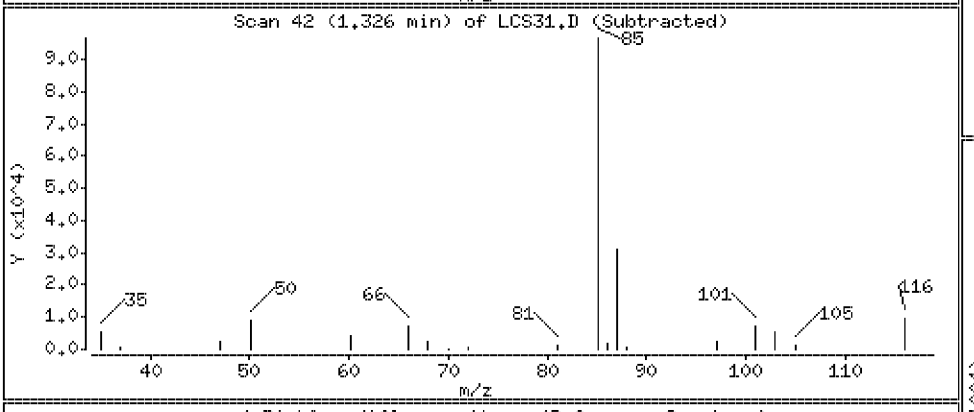
Purge Volume: 5.0 Operator:

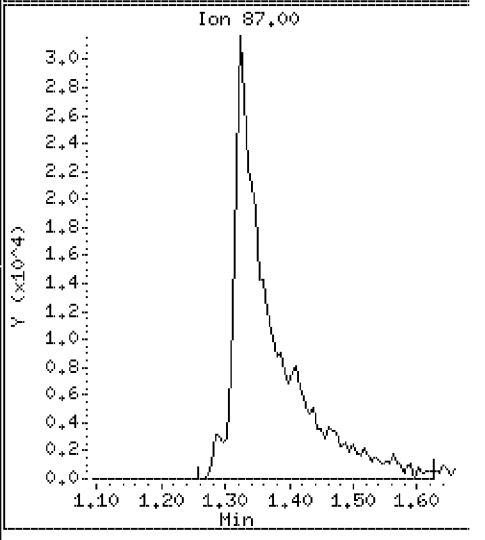
Column phase: DB-624 Column diameter: 0.18

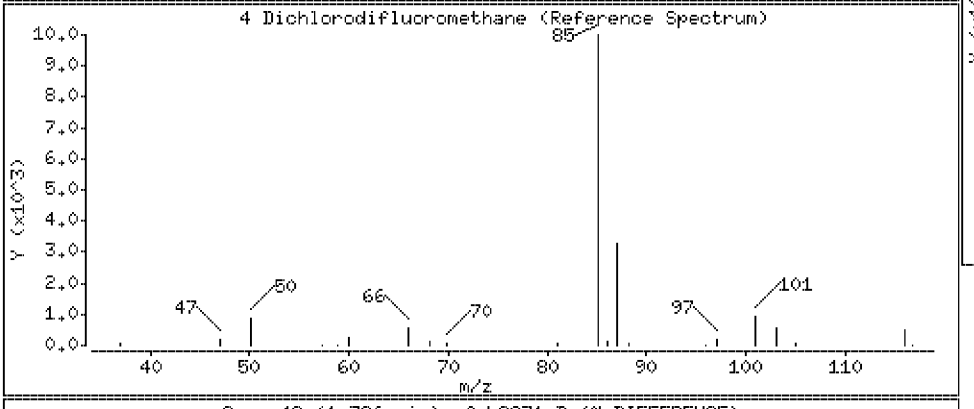
4 Dichlorodifluoromethane Concentration: 20.2 ug/l

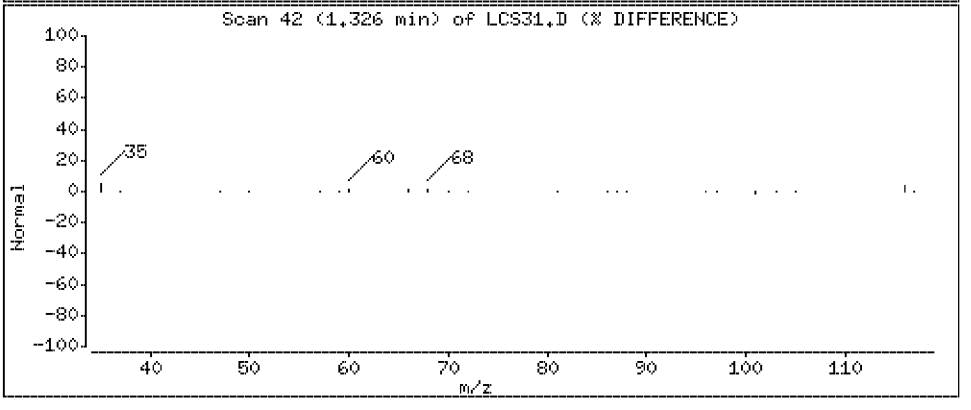












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

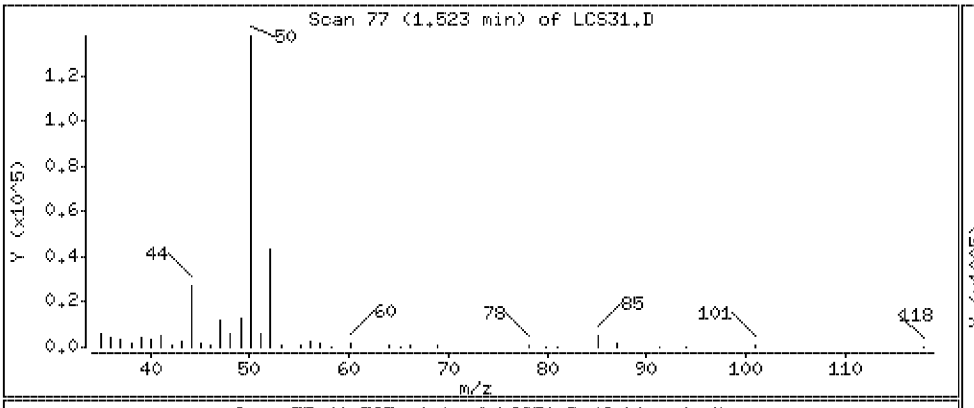
Client ID: 121709LCSA31 Instrument: vms03.i

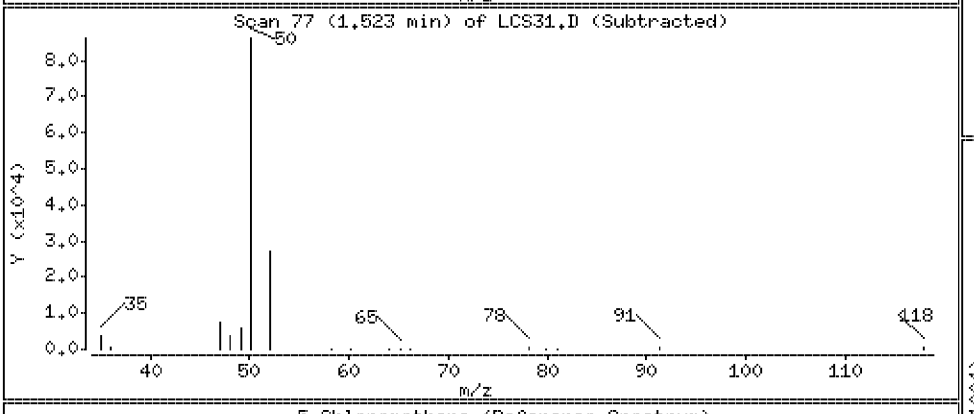
Sample Info: 121709LCSA31

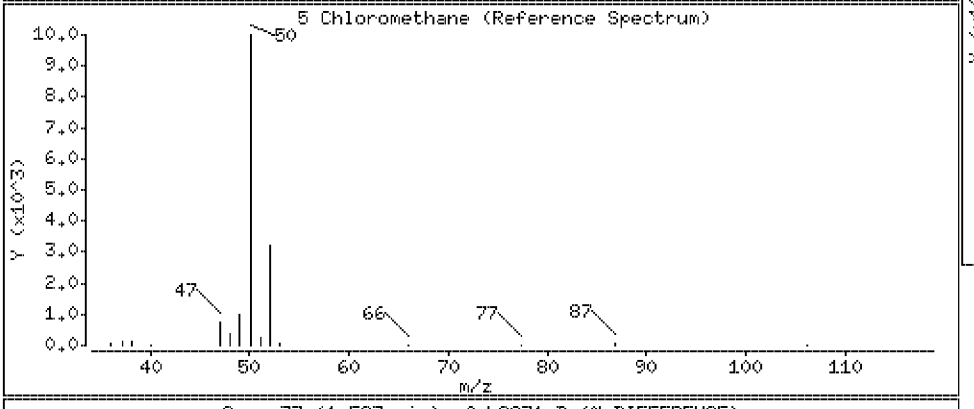
Purge Volume: 5.0 Operator:

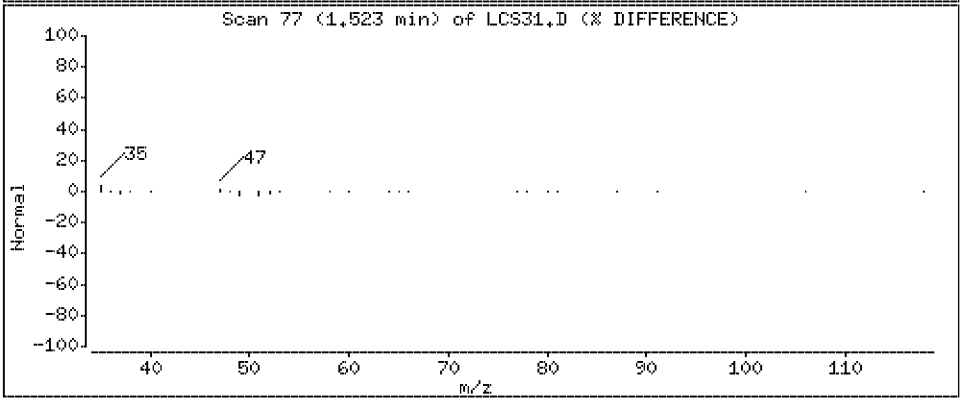
Column phase: DB-624 Column diameter: 0.18

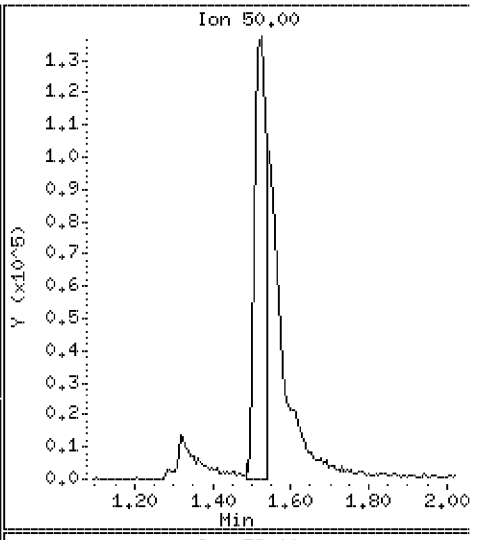
5 Chloromethane Concentration: 21.5 ug/l

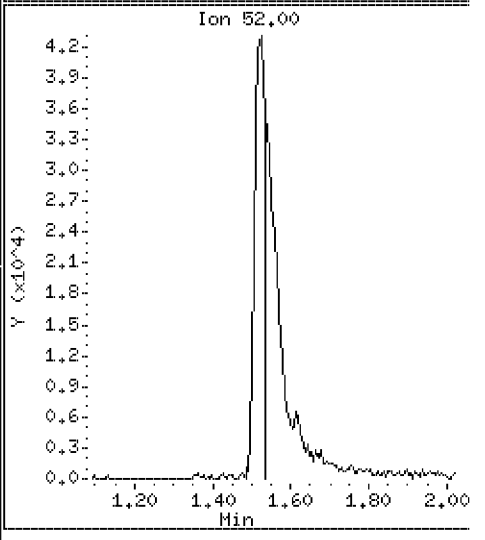












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

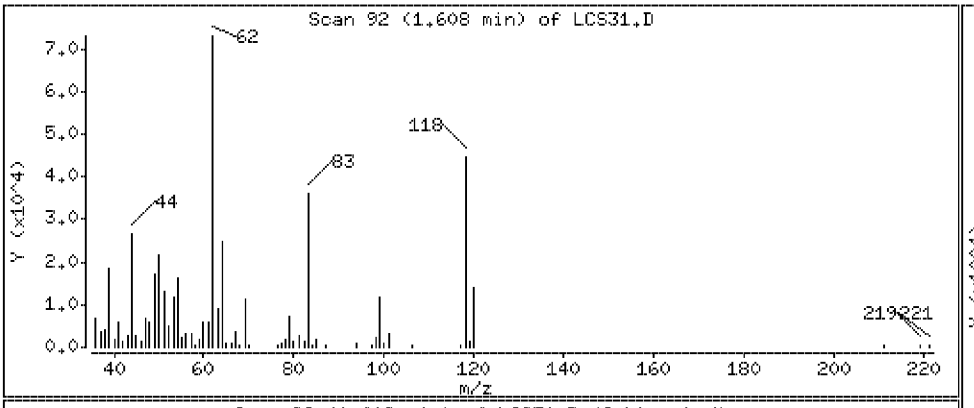
Client ID: 121709LCSA31 Instrument: vms03.i

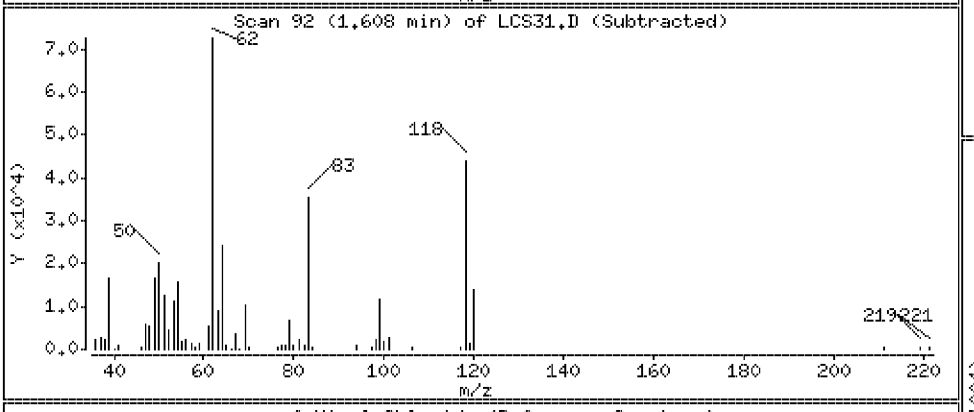
Sample Info: 121709LCSA31

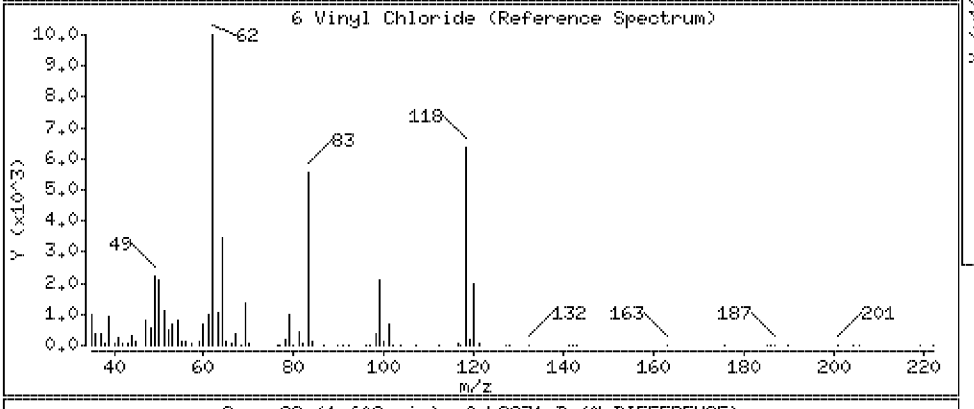
Purge Volume: 5.0 Operator:

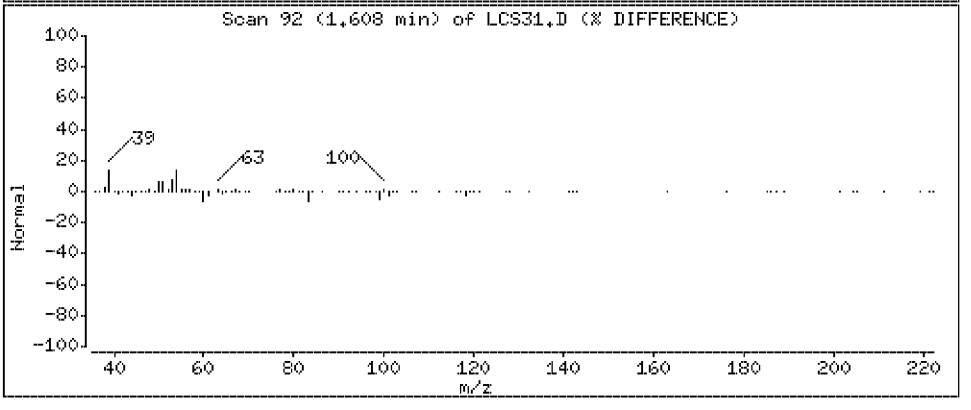
Column phase: DB-624 Column diameter: 0.18

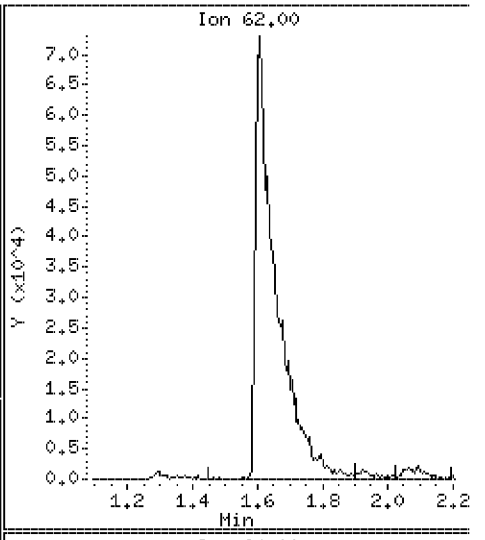
6 Vinyl Chloride Concentration: 19.4 ug/l

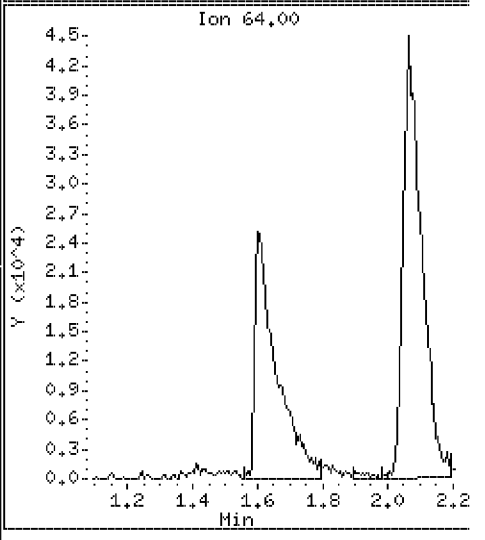












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

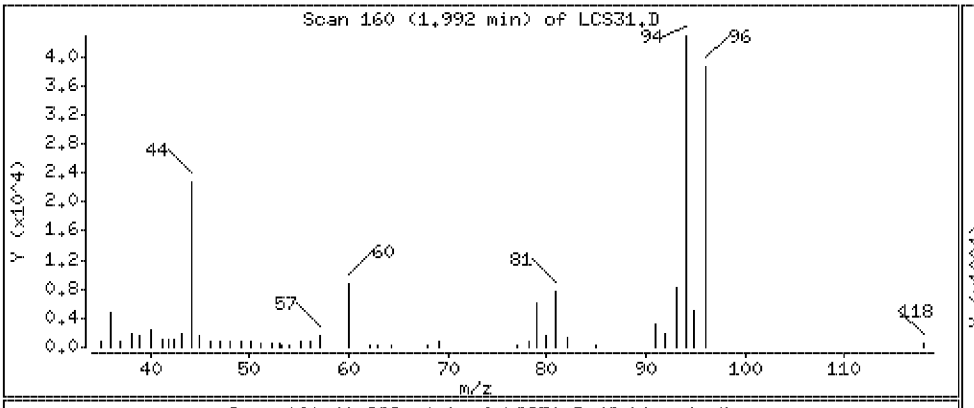
Client ID: 121709LCSA31 Instrument: vms03.i

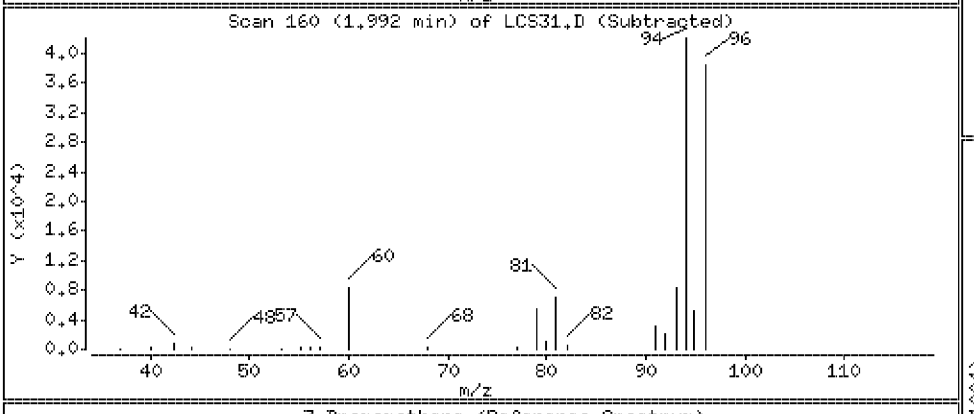
Sample Info: 121709LCSA31

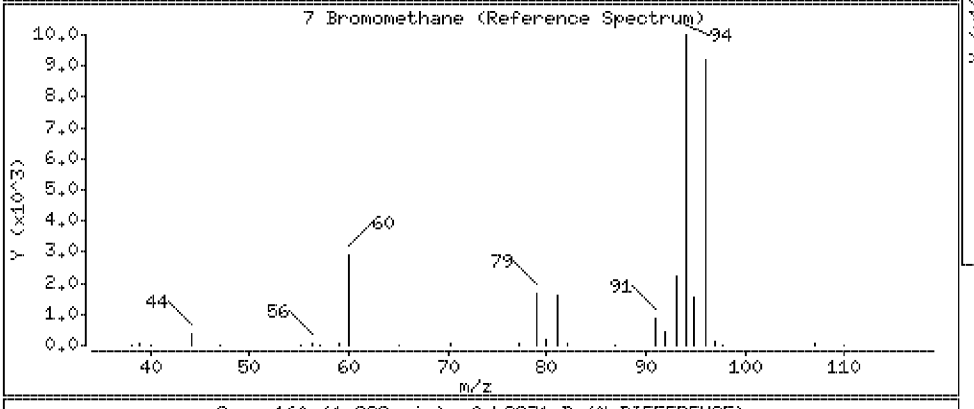
Purge Volume: 5.0 Operator:

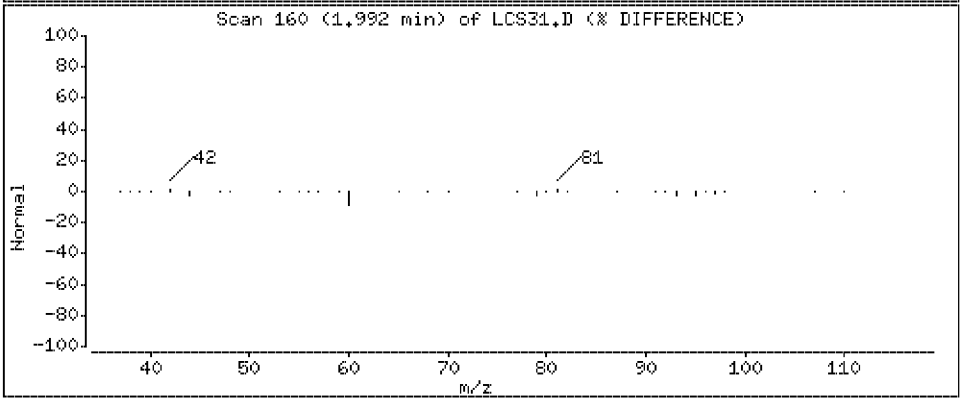
Column phase: DB-624 Column diameter: 0.18

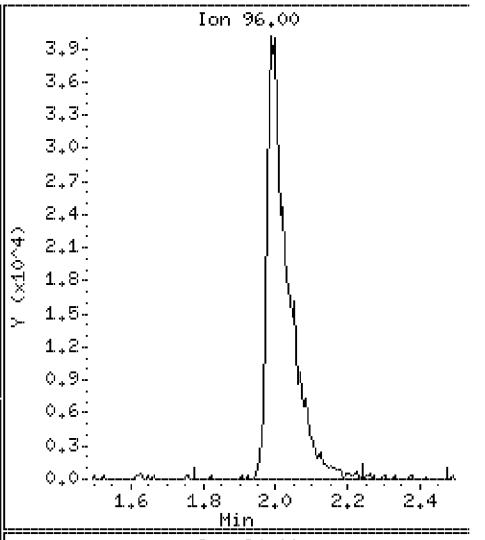
7 Bromomethane Concentration: 19.6 ug/l

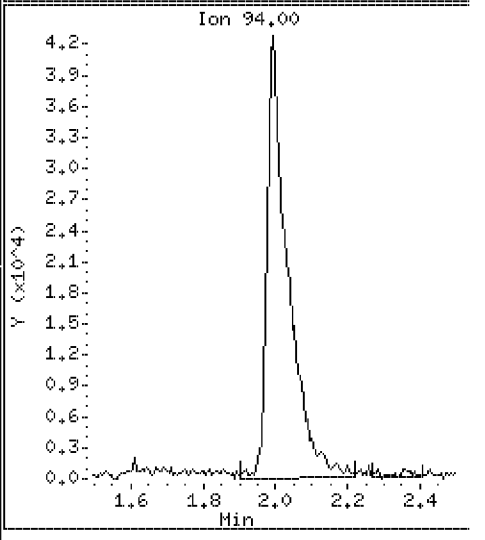












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

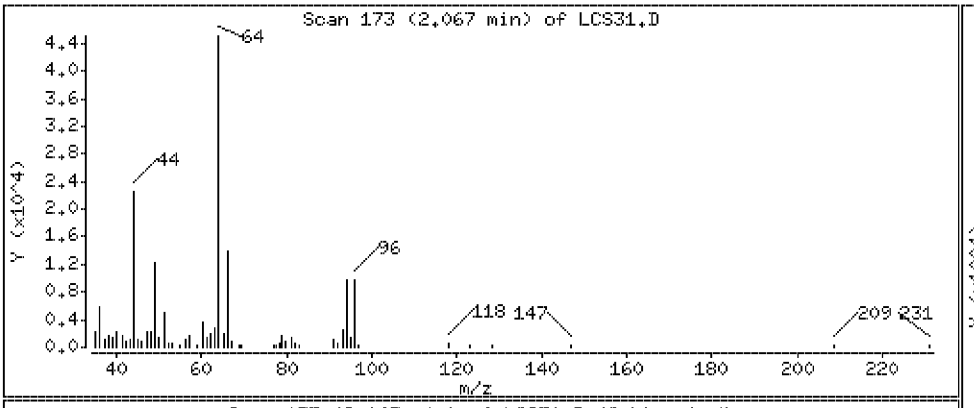
Operator:

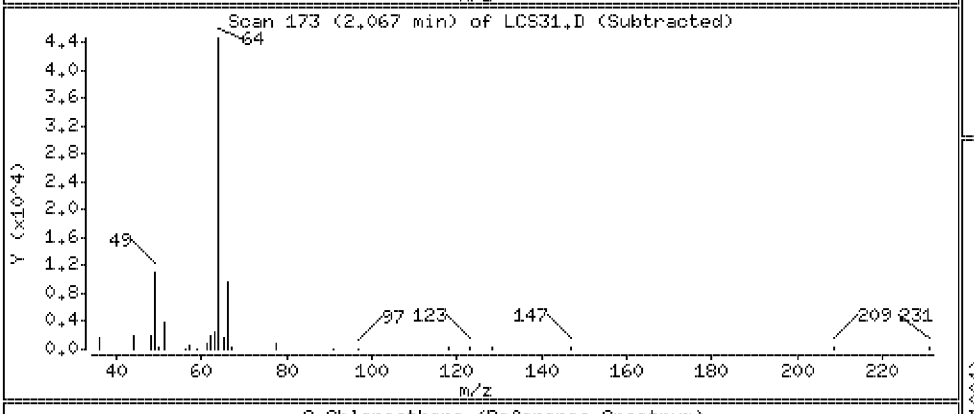
Column phase: DB-624

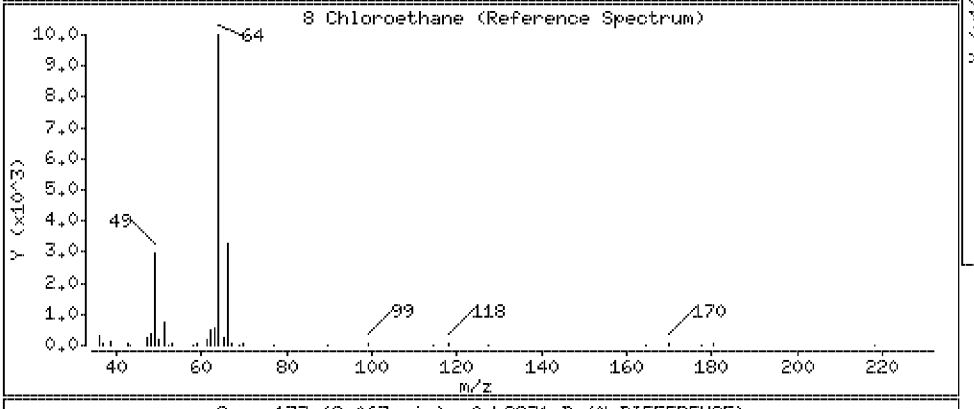
Column diameter: 0.18

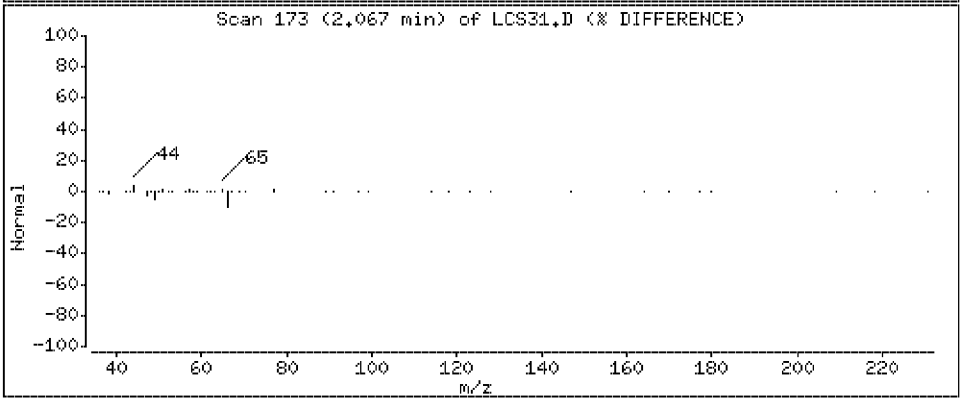
8 Chloroethane

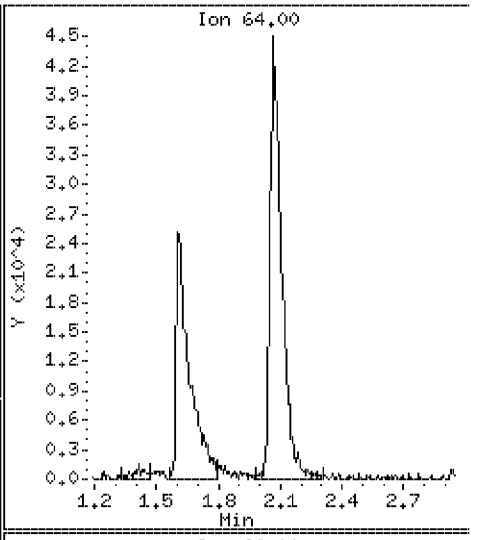
Concentration: 19.4 ug/l

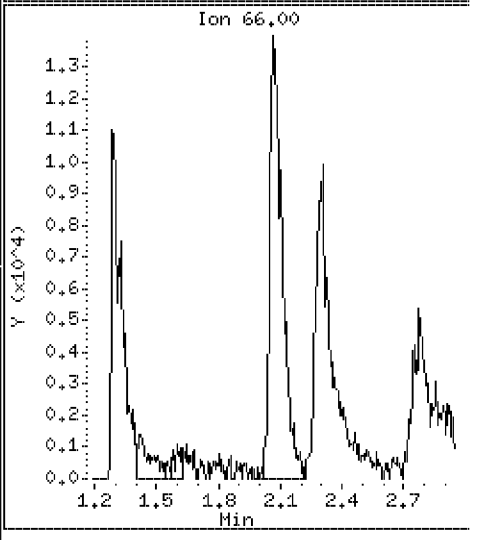












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

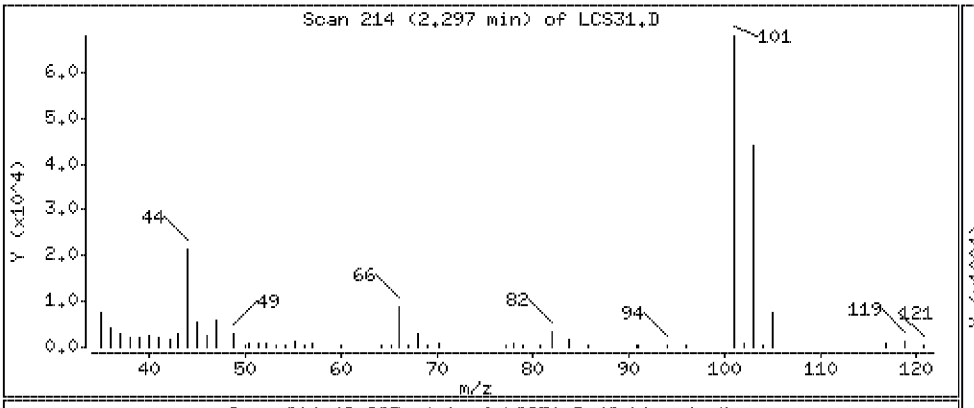
Client ID: 121709LCSA31 Instrument: vms03.i

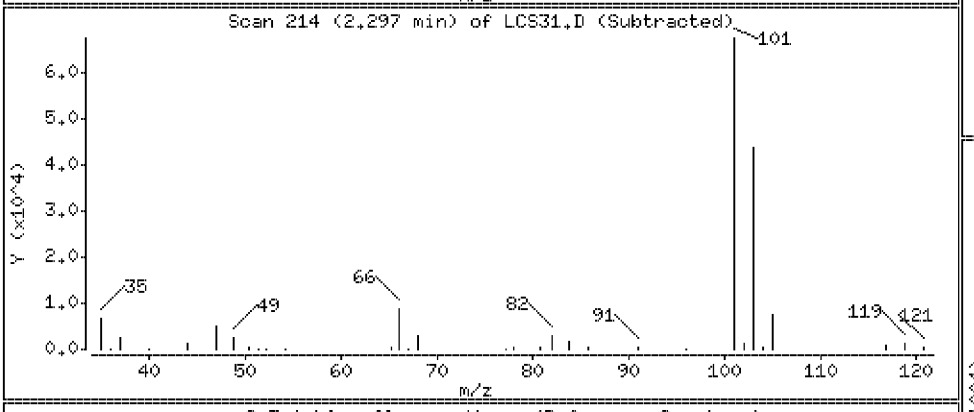
Sample Info: 121709LCSA31

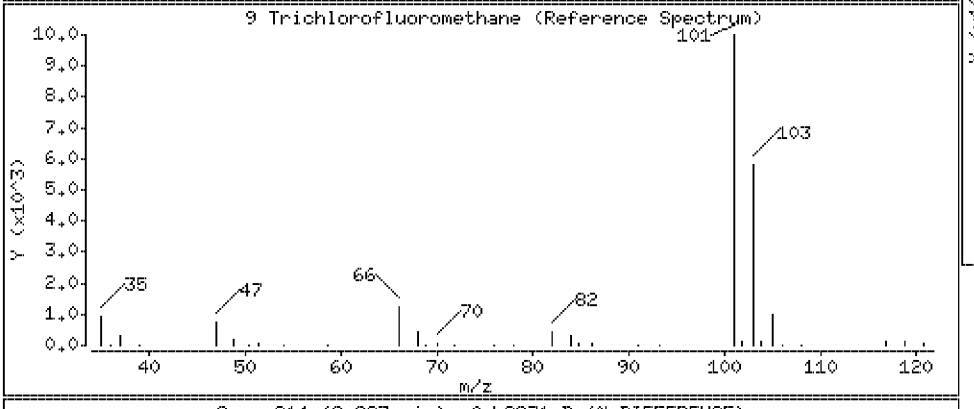
Purge Volume: 5.0 Operator:

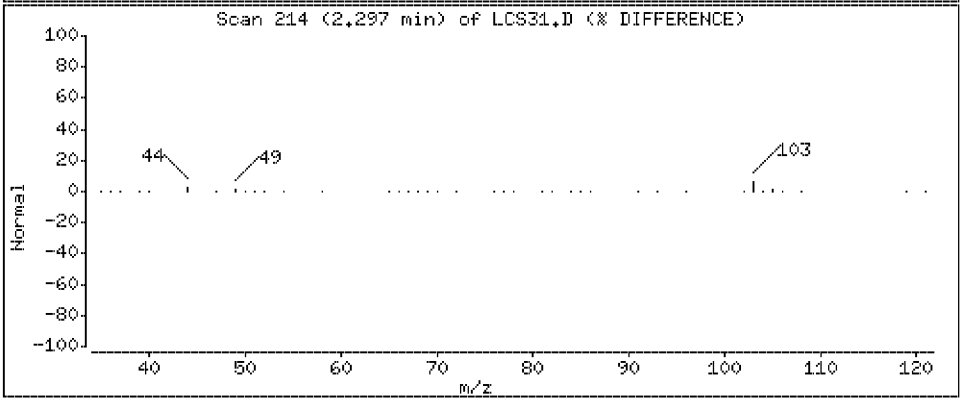
Column phase: DB-624 Column diameter: 0.18

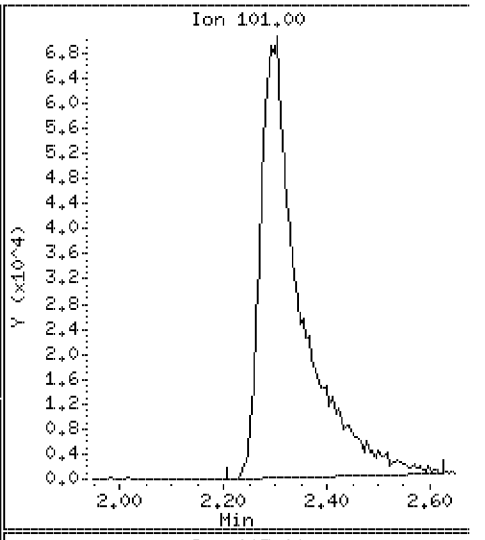
9 Trichlorofluoromethane Concentration: 21.7 ug/l

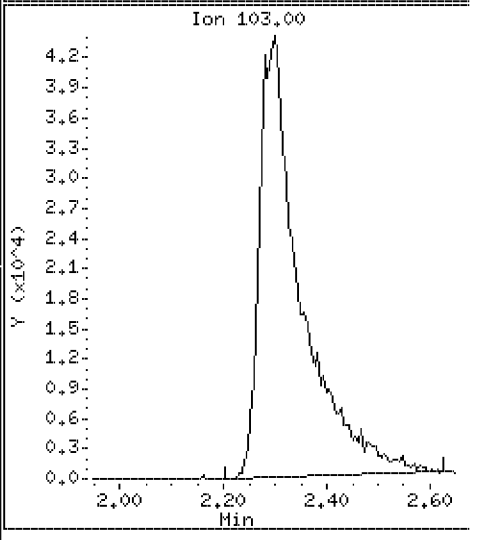












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

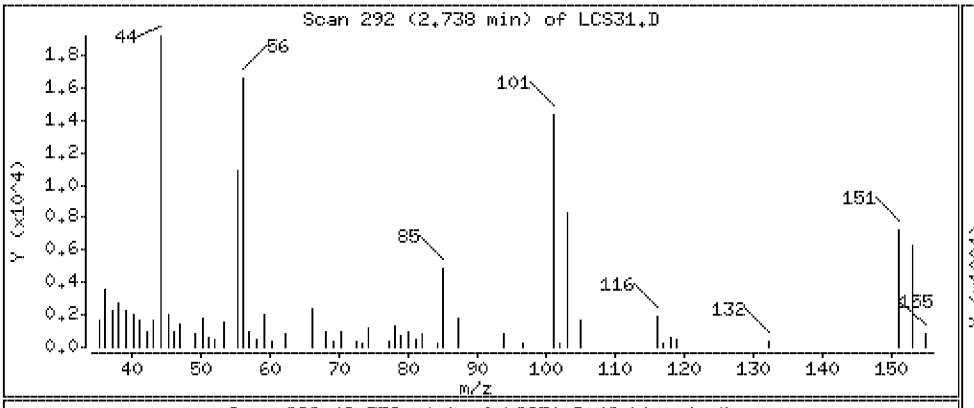
Client ID: 121709LCSA31 | Instrument: vms03.i

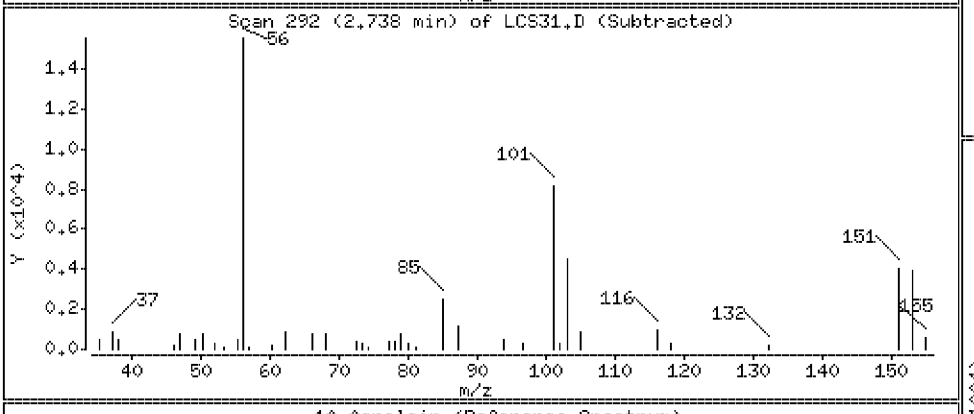
Sample Info: 121709LCSA31

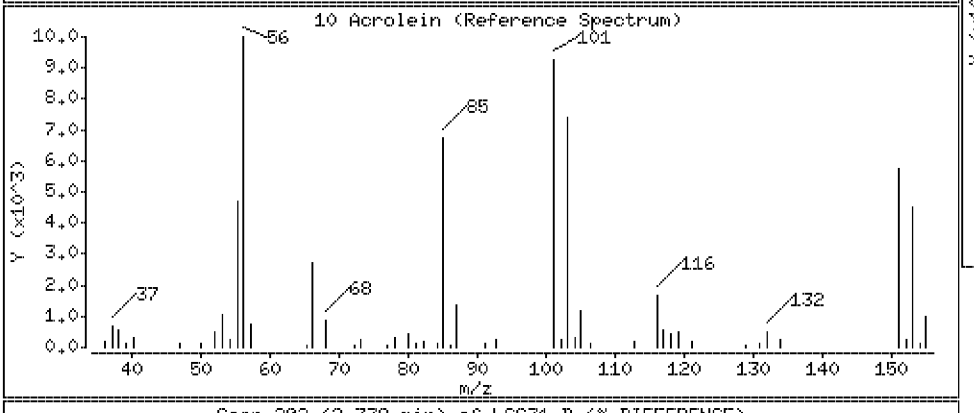
Purge Volume: 5.0 | Operator:

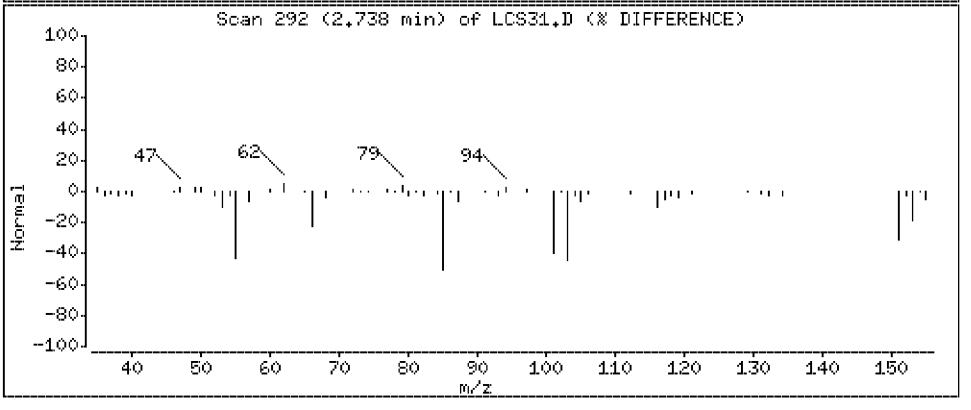
Column phase: DB-624 | Column diameter: 0.18

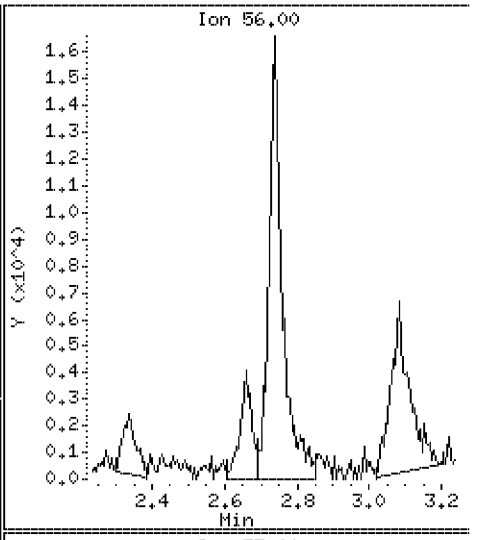
10 Acrolein | Concentration: 36.5 ug/l

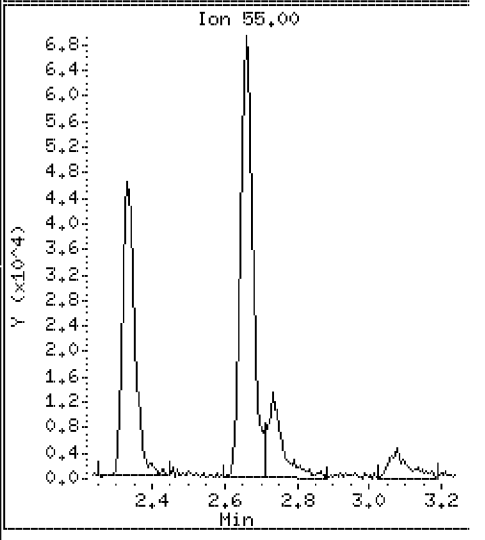












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

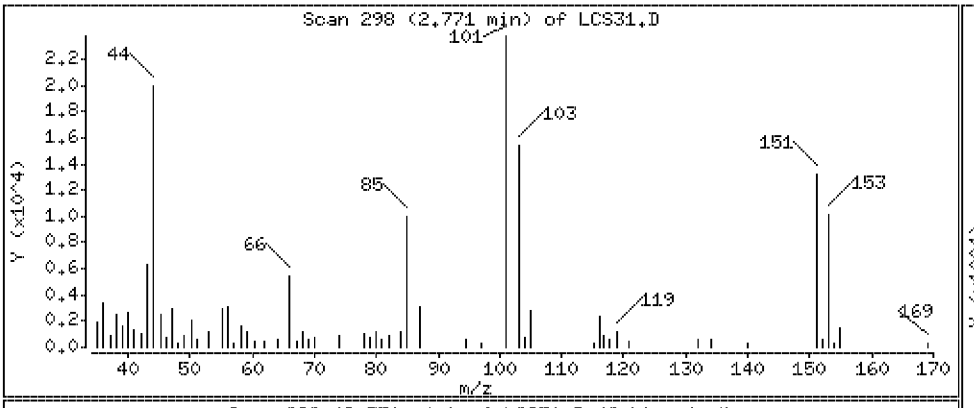
Operator:

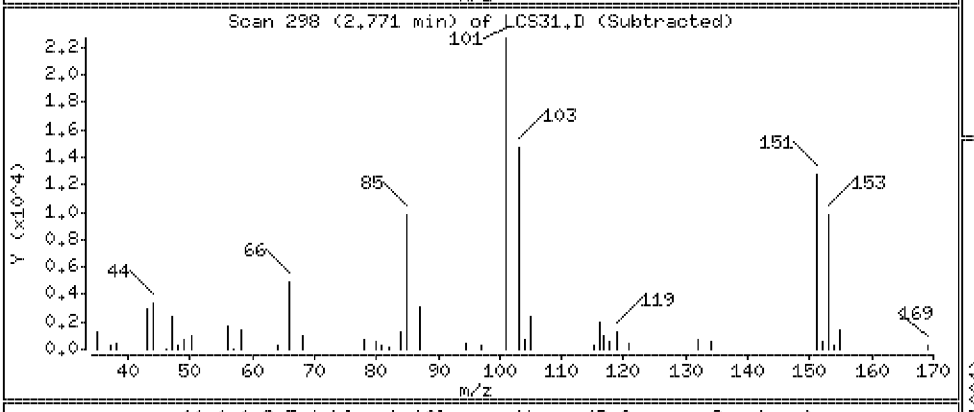
Column phase: DB-624

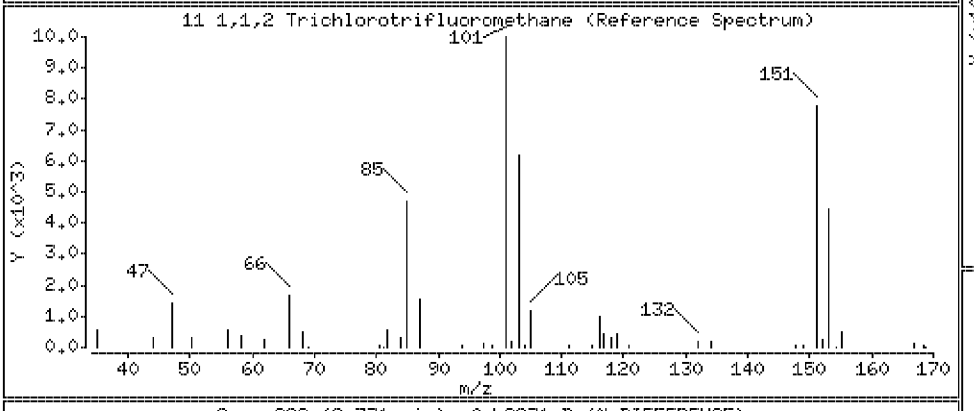
Column diameter: 0.18

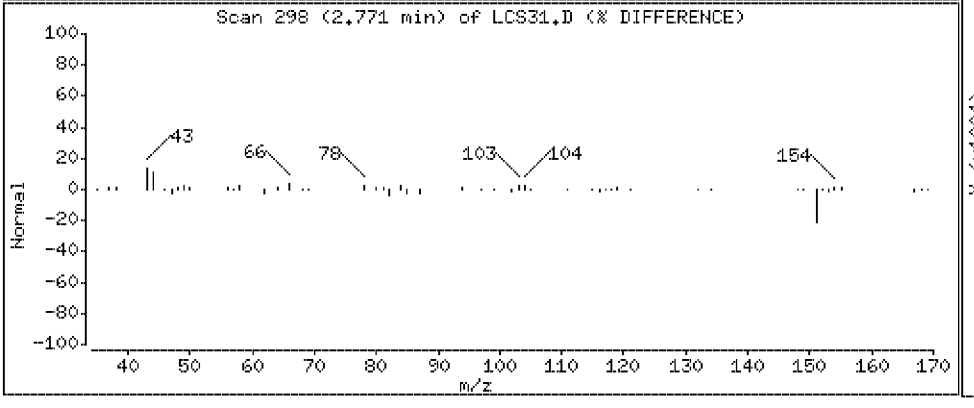
11 1,1,2 Trichlorotrifluoromethane

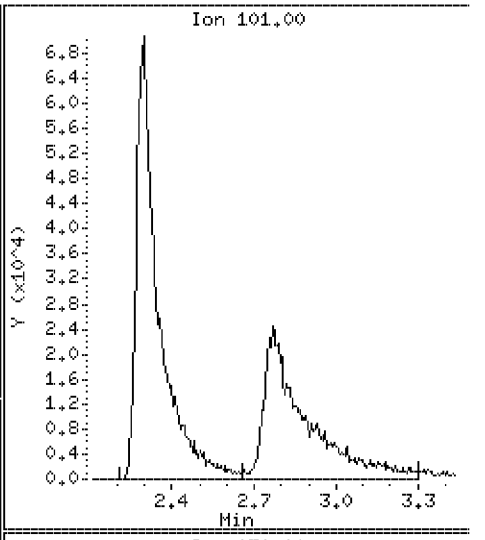
Concentration: 21.2 ug/l

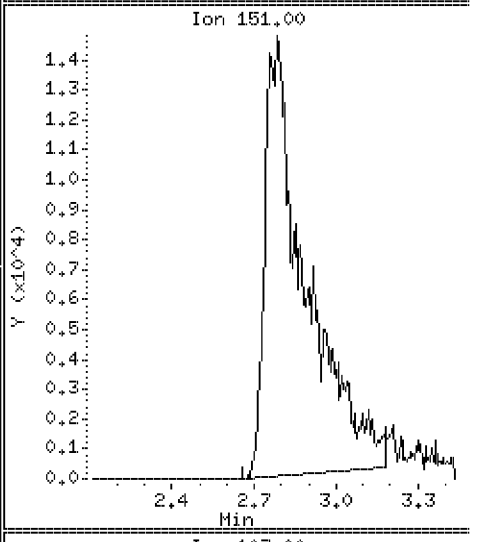


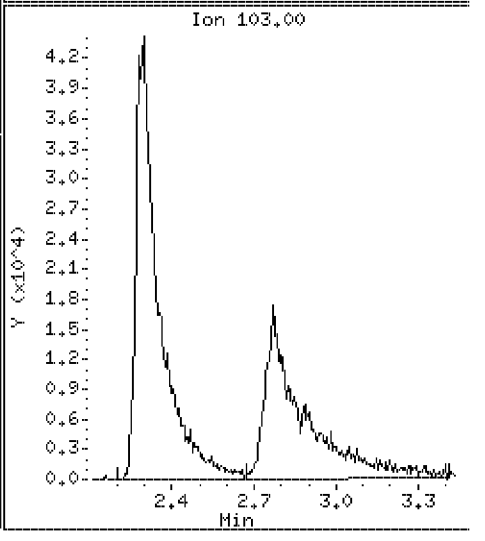












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

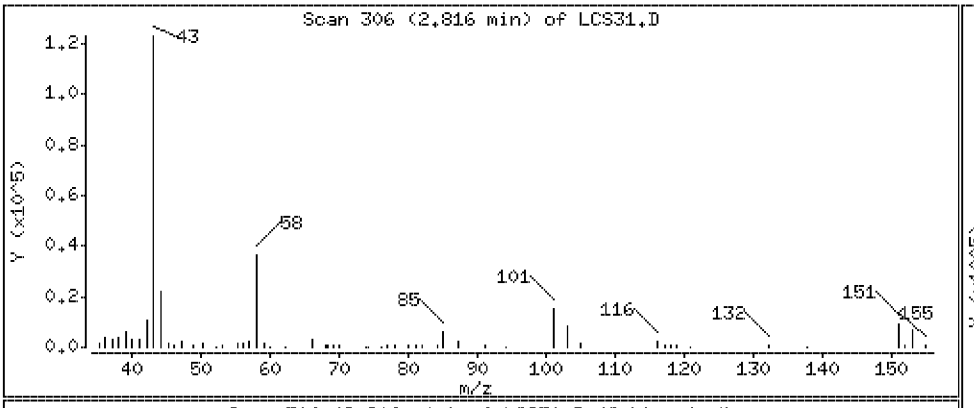
Operator:

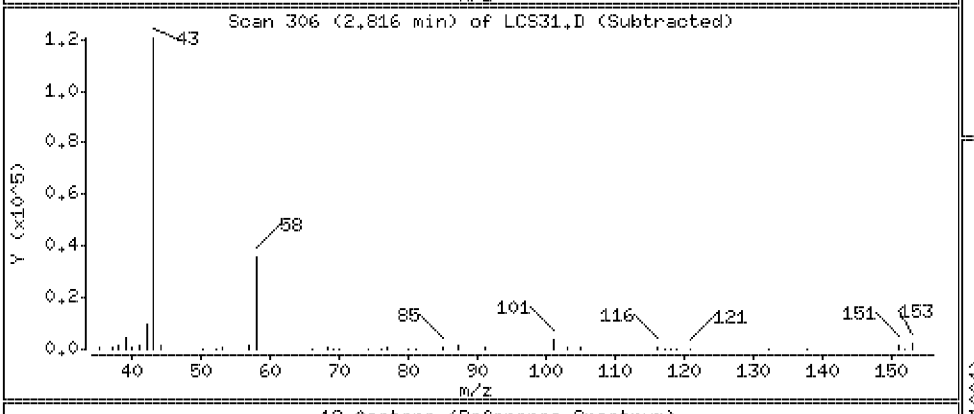
Column phase: DB-624

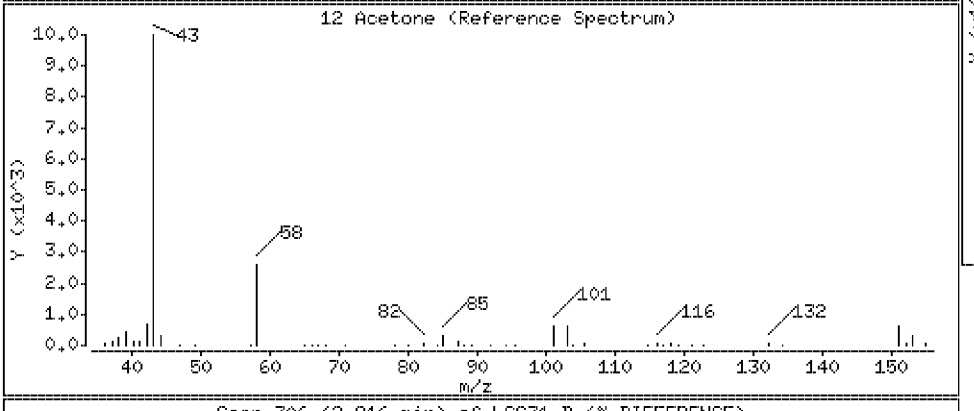
Column diameter: 0.18

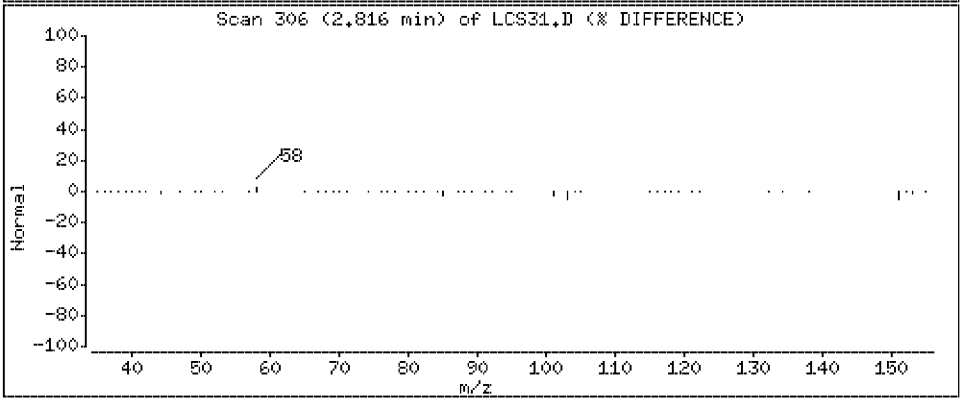
12 Acetone

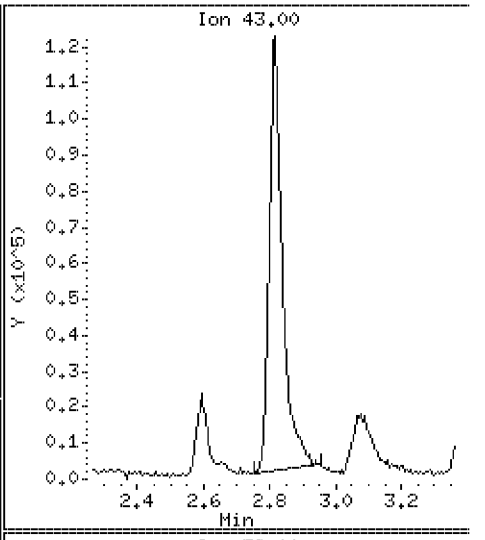
Concentration: 46.9 ug/l

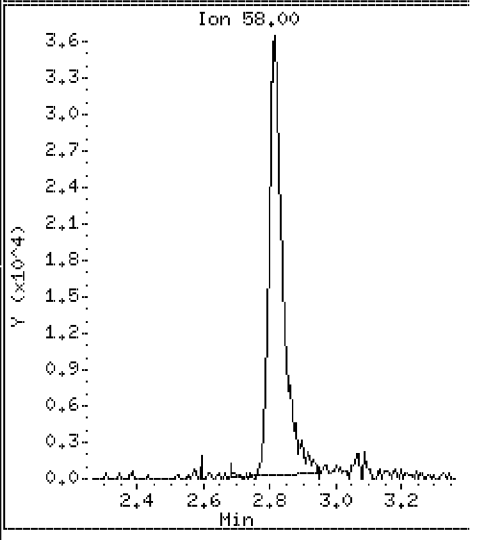












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Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

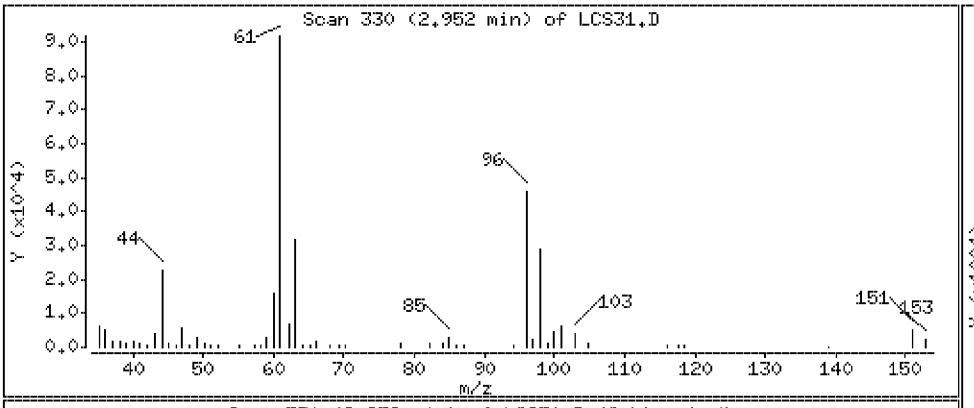
Operator:

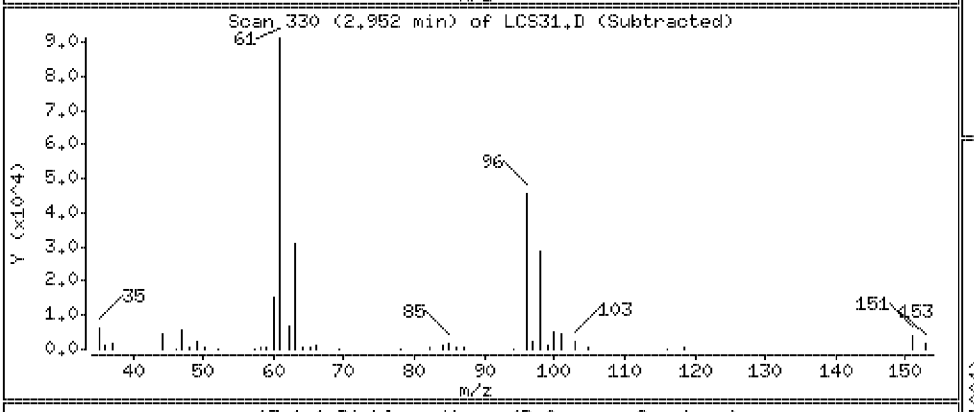
Column phase: DB-624

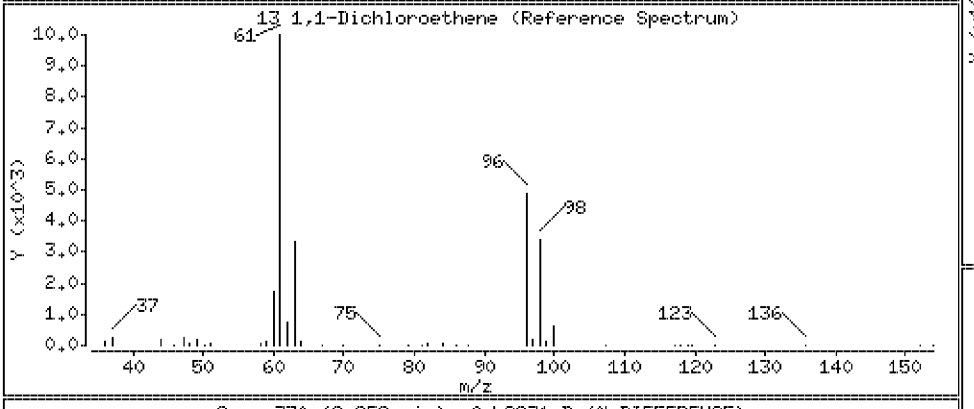
Column diameter: 0.18

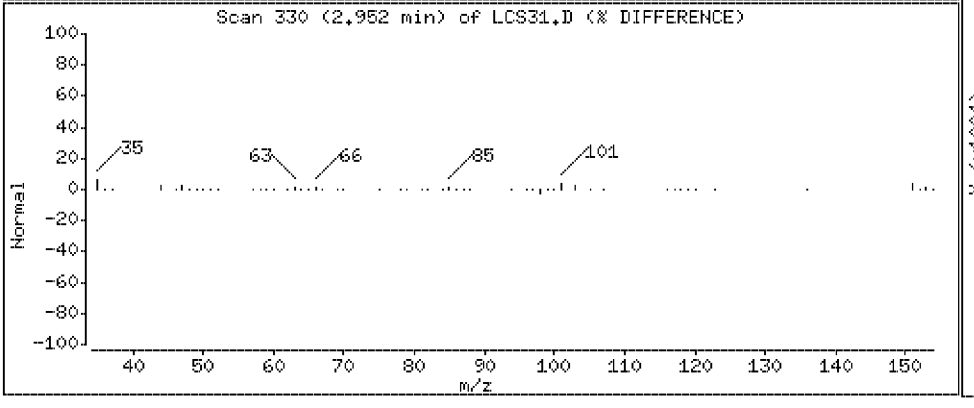
13 1,1-Dichloroethene

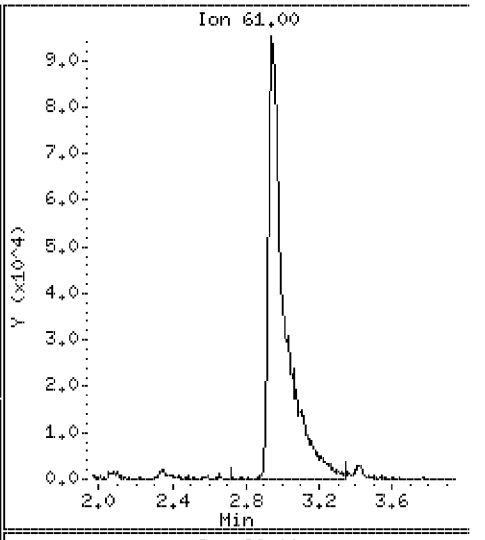
Concentration: 21.0 ug/l

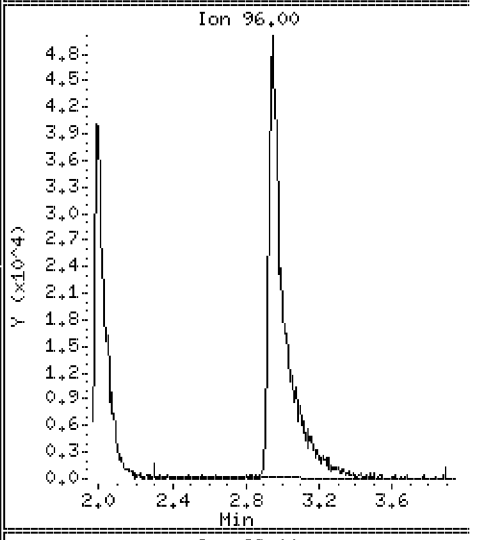


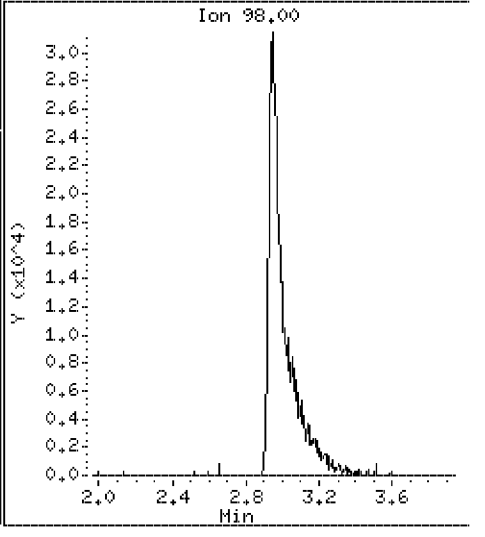












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

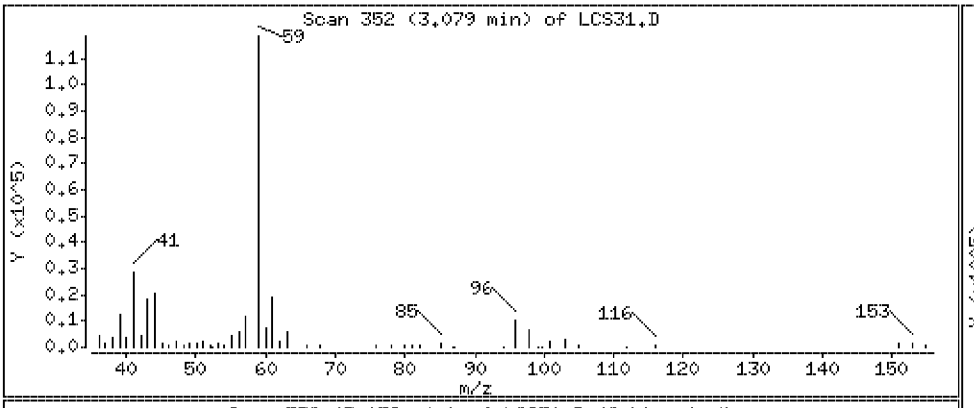
Client ID: 121709LCSA31 Instrument: vms03.i

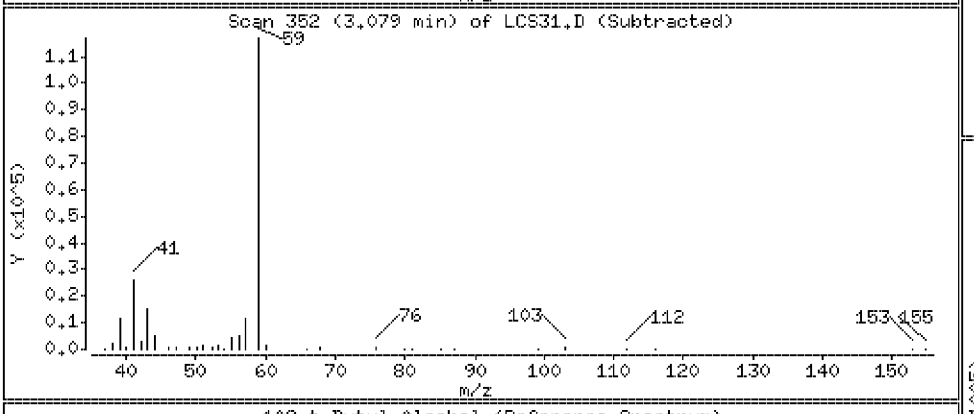
Sample Info: 121709LCSA31

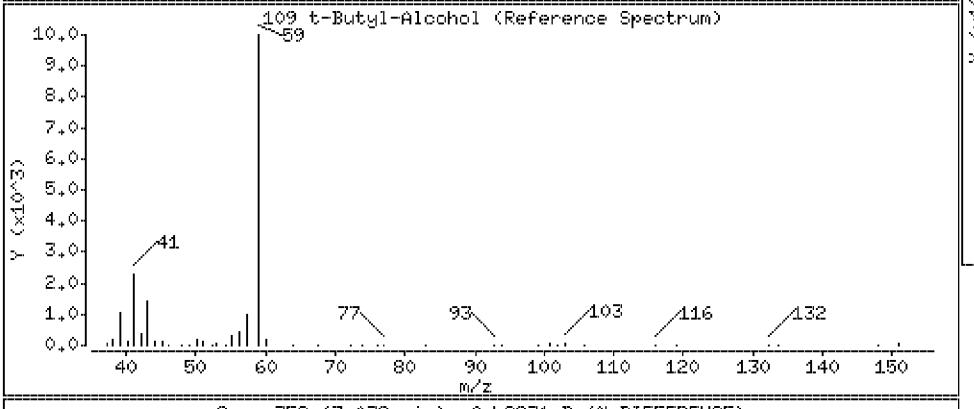
Purge Volume: 5.0 Operator:

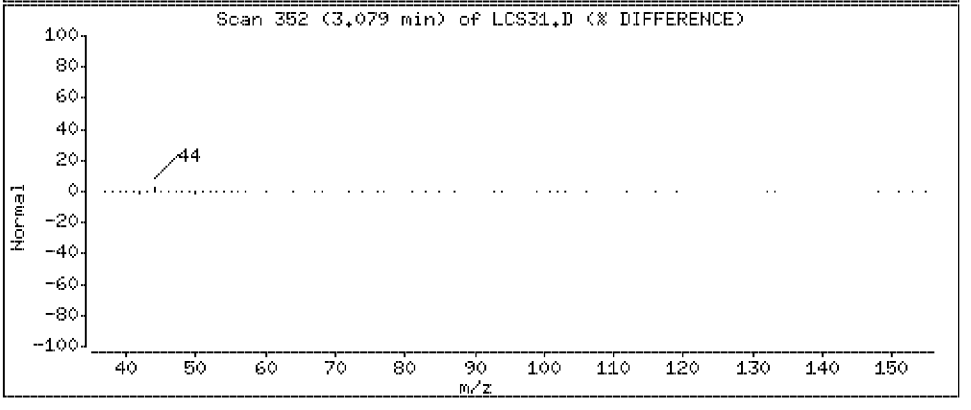
Column phase: DB-624 Column diameter: 0.18

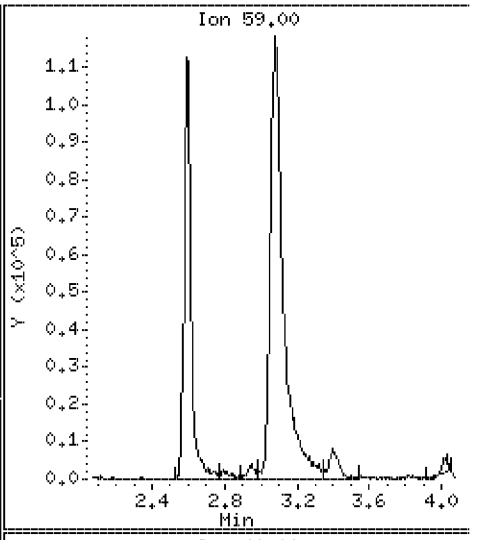
109 t-Butyl-Alcohol Concentration: 279 ug/l

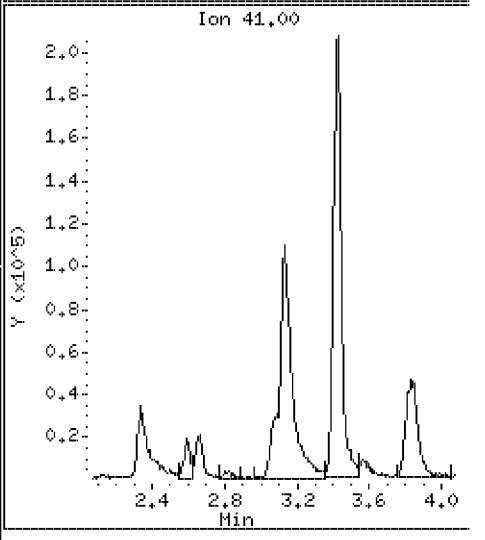












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

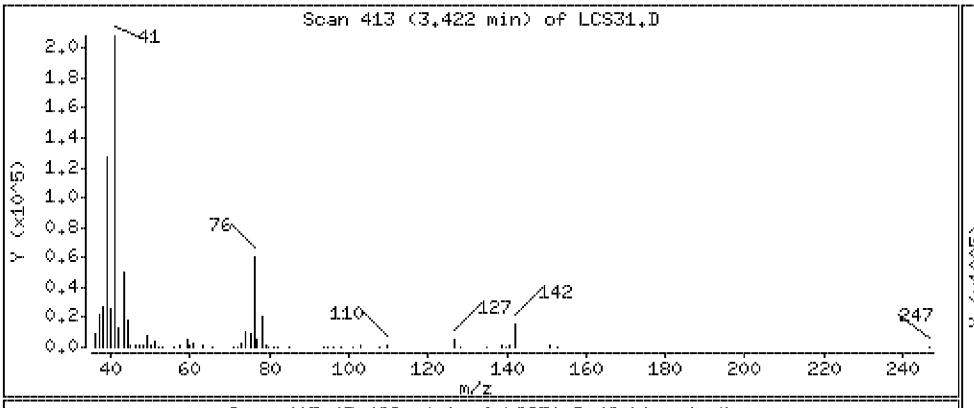
Operator:

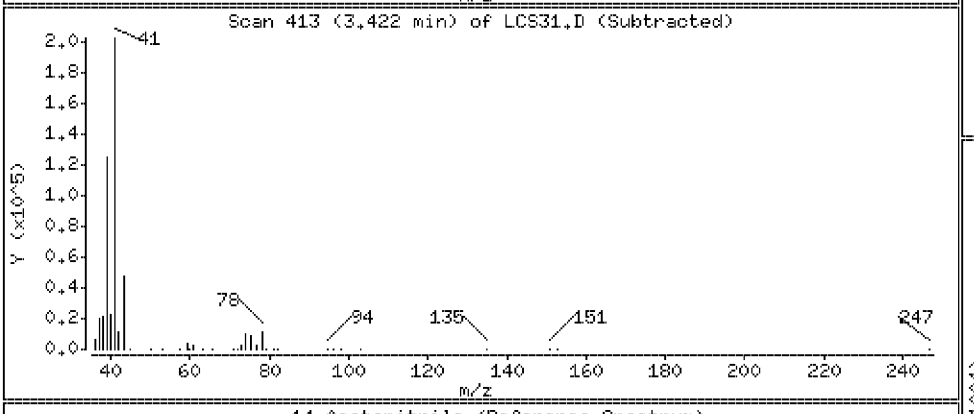
Column phase: DB-624

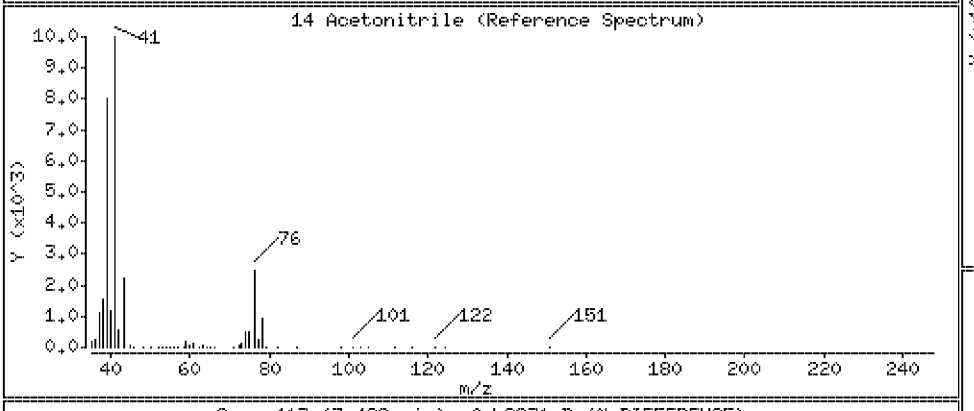
Column diameter: 0.18

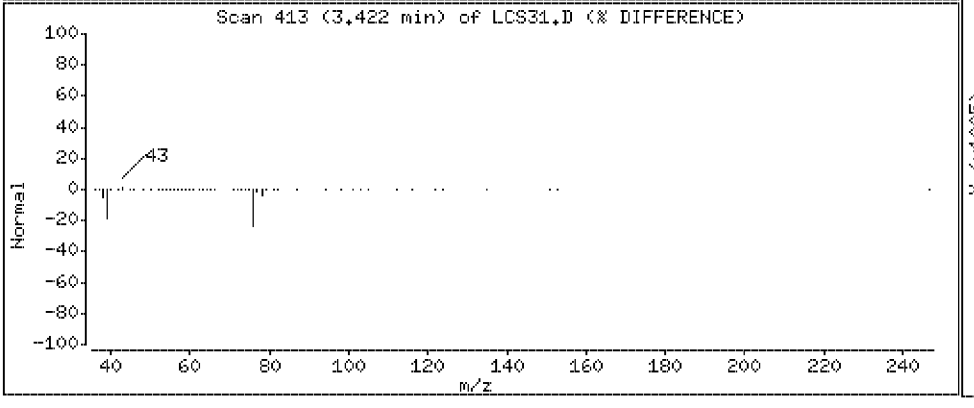
14 Acetonitrile

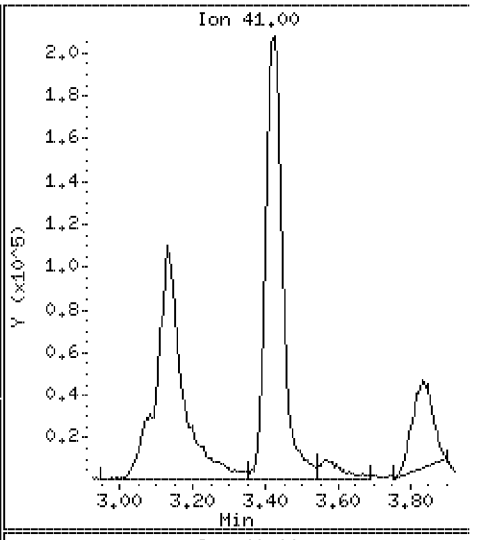
Concentration: 202 ug/l

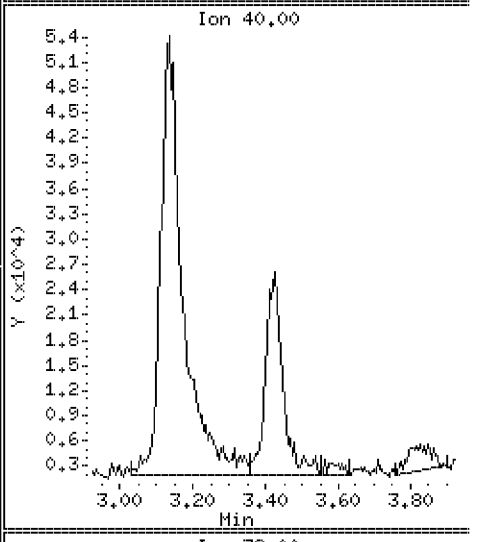


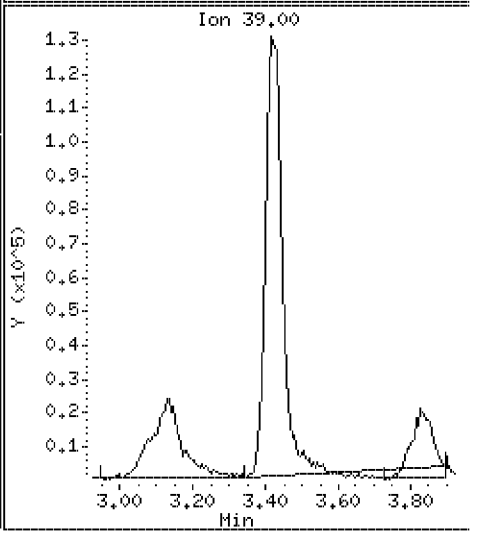












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

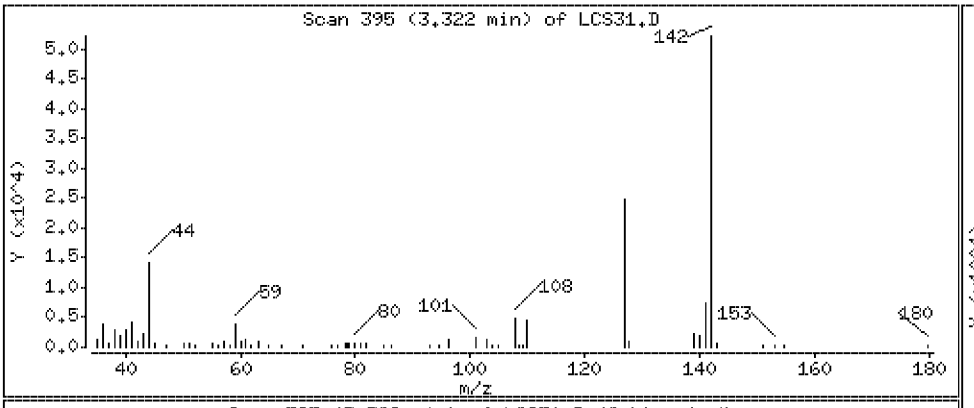
Operator:

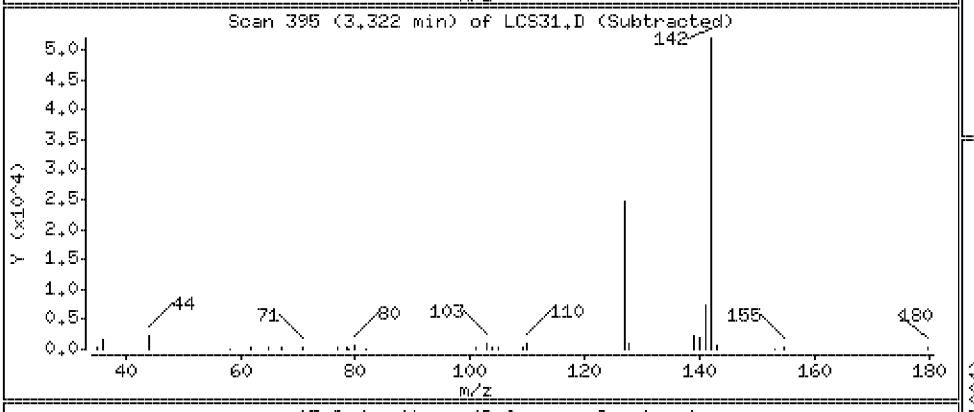
Column phase: DB-624

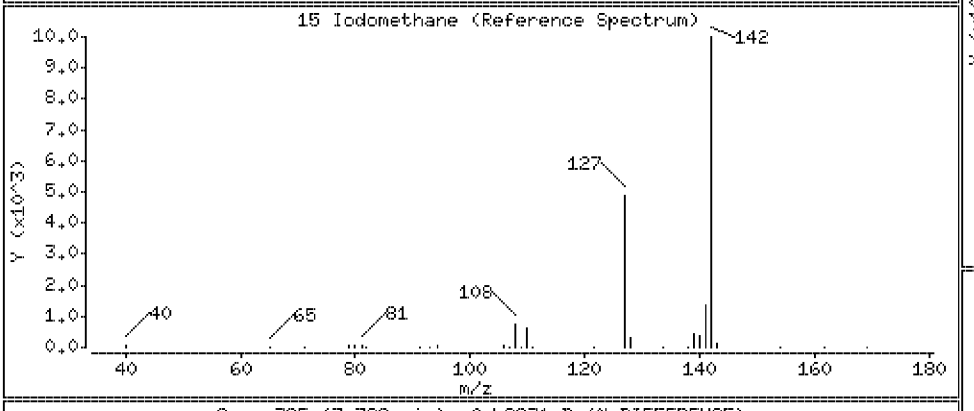
Column diameter: 0.18

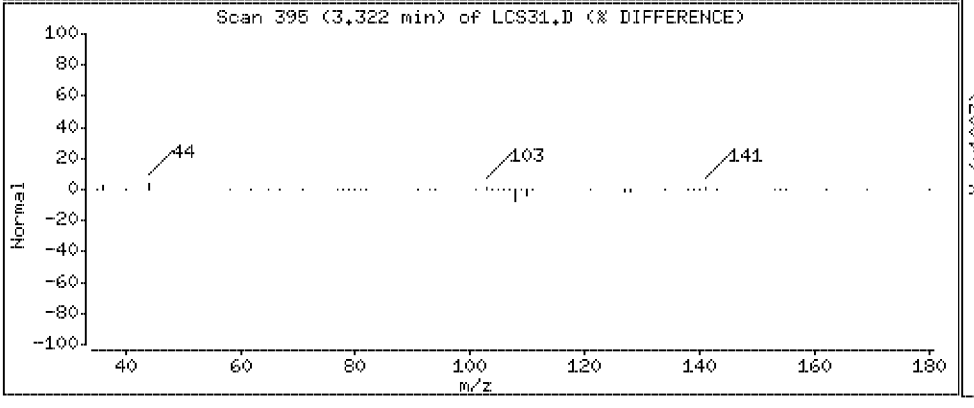
15 Iodomethane

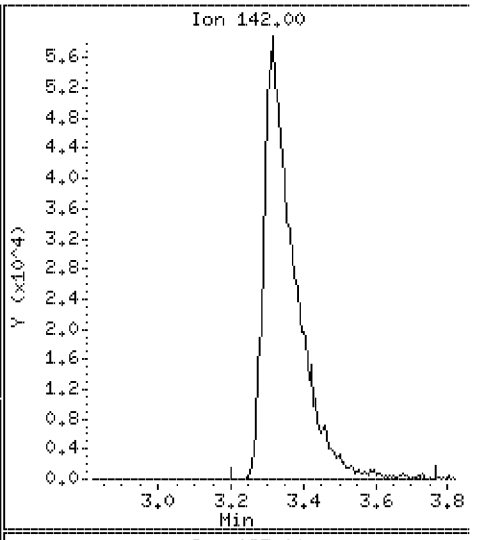
Concentration: 24.9 ug/l

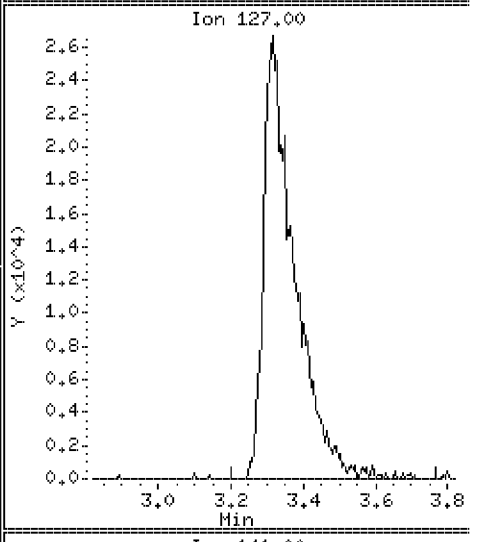


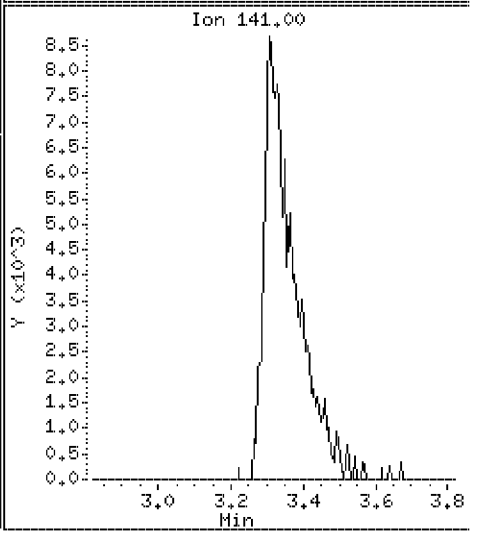












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

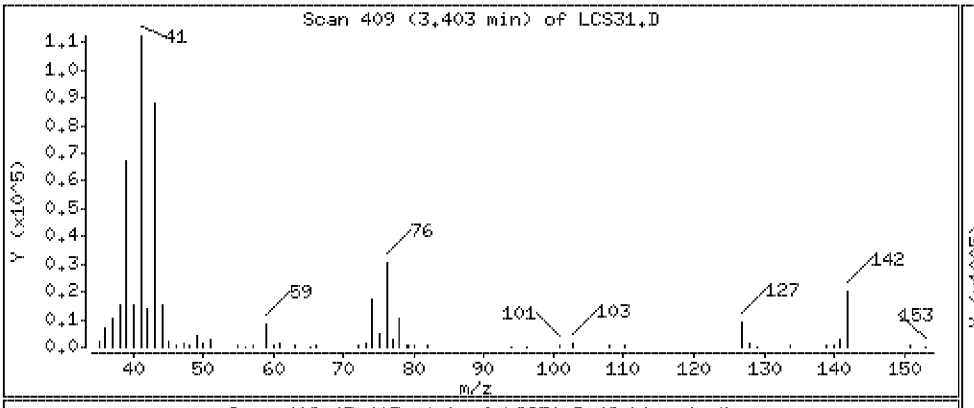
Client ID: 121709LCSA31 Instrument: vms03.i

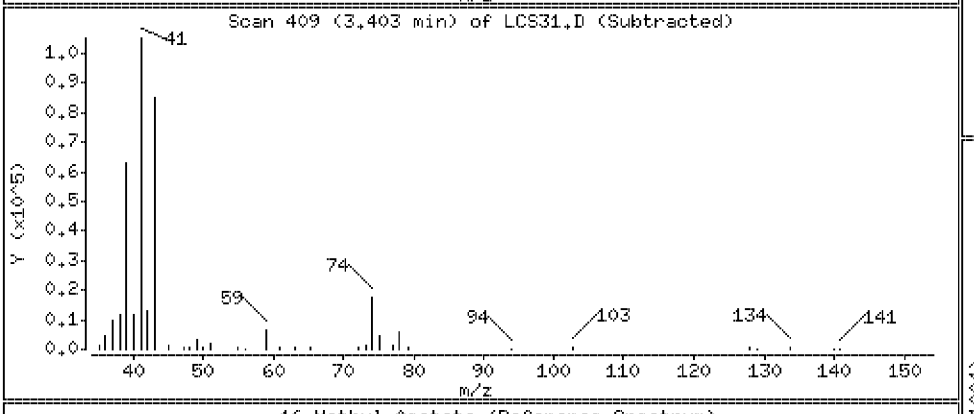
Sample Info: 121709LCSA31

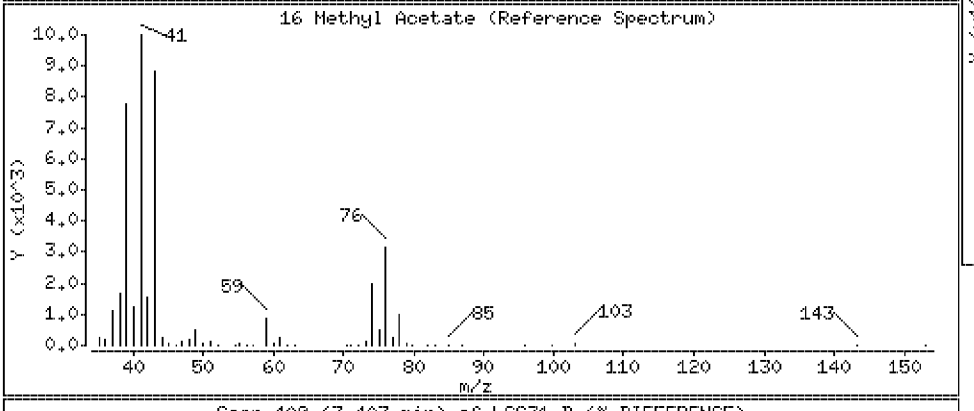
Purge Volume: 5.0 Operator:

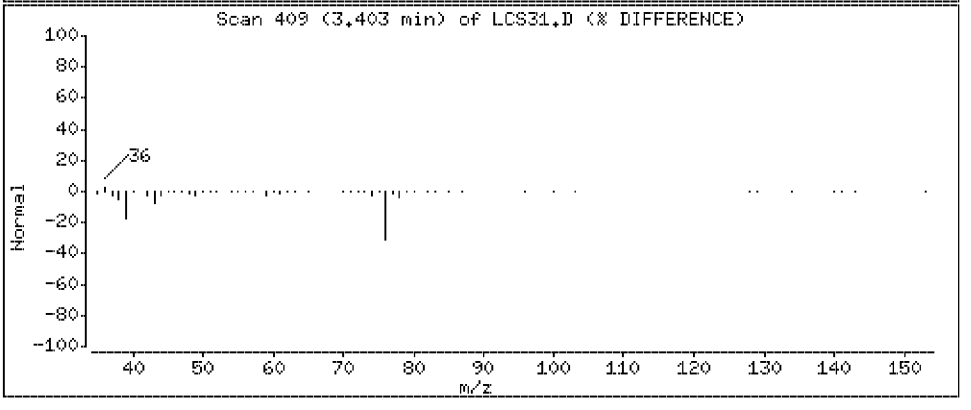
Column phase: DB-624 Column diameter: 0.18

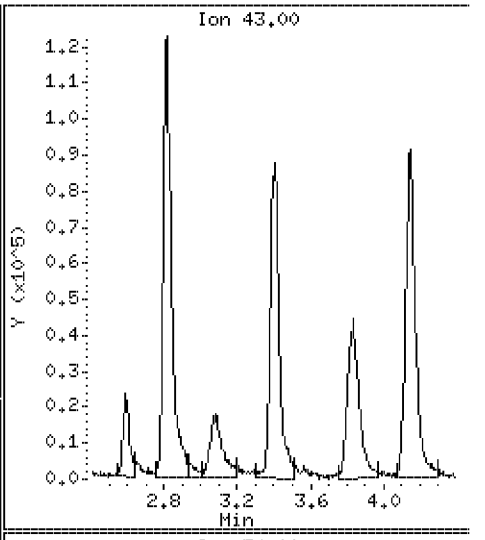
16 Methyl Acetate Concentration: 19.0 ug/l

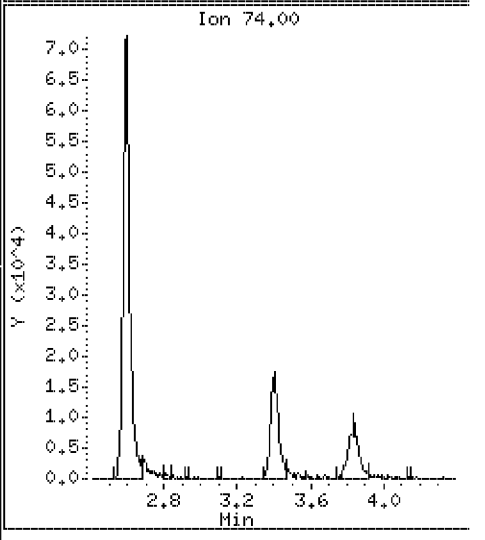












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

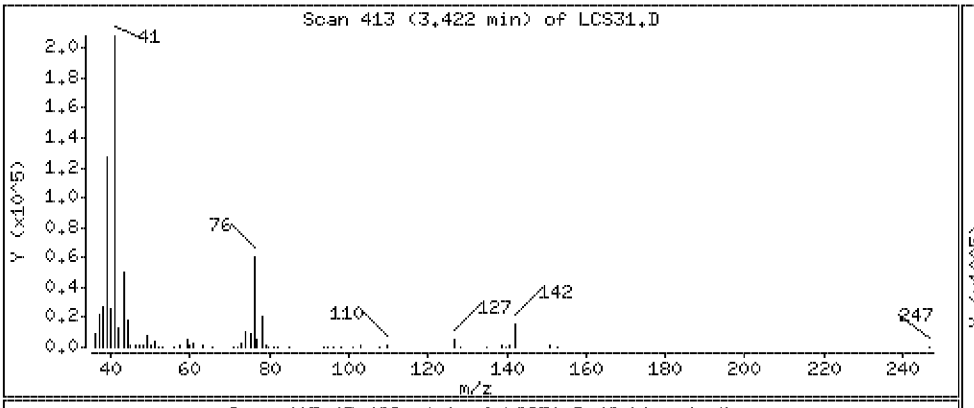
Client ID: 121709LCSA31 | Instrument: vms03.i

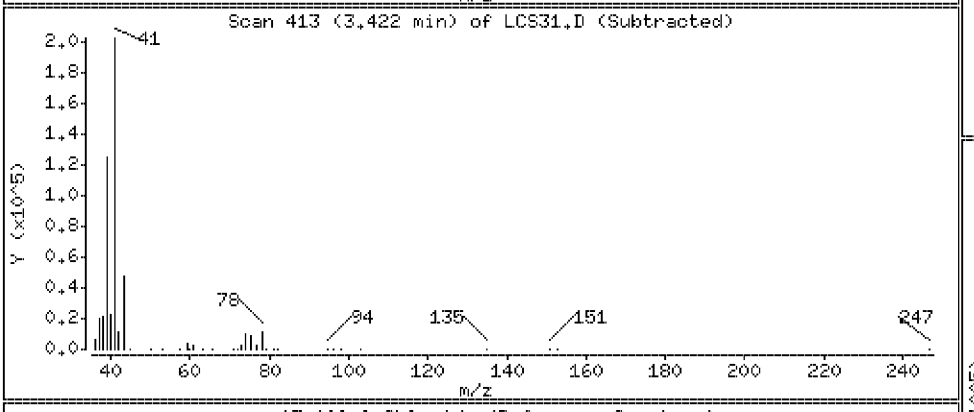
Sample Info: 121709LCSA31

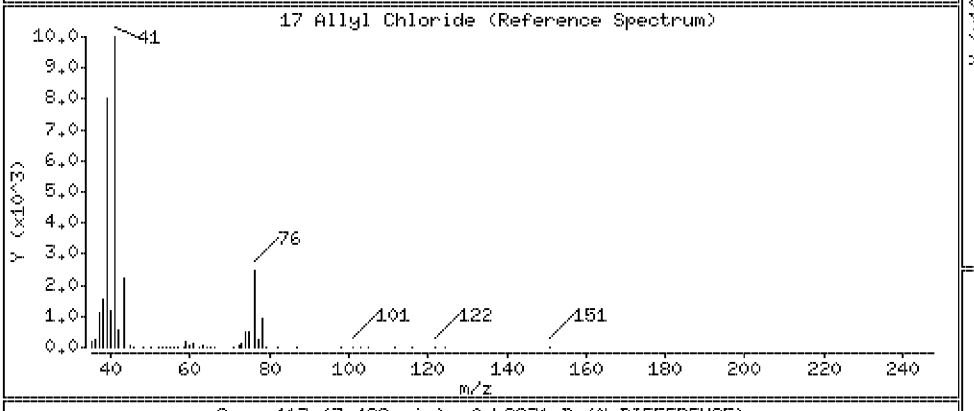
Purge Volume: 5.0 | Operator:

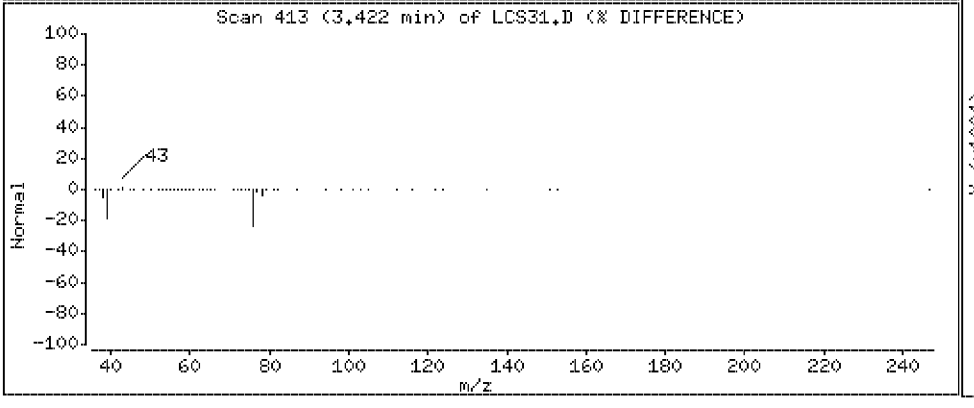
Column phase: DB-624 | Column diameter: 0.18

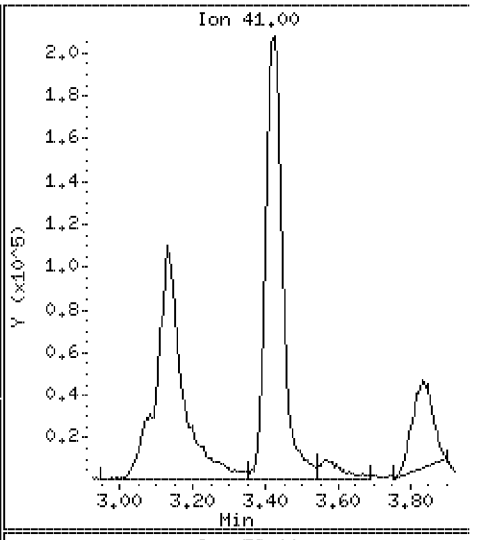
17 Allyl Chloride | Concentration: 20.2 ug/l

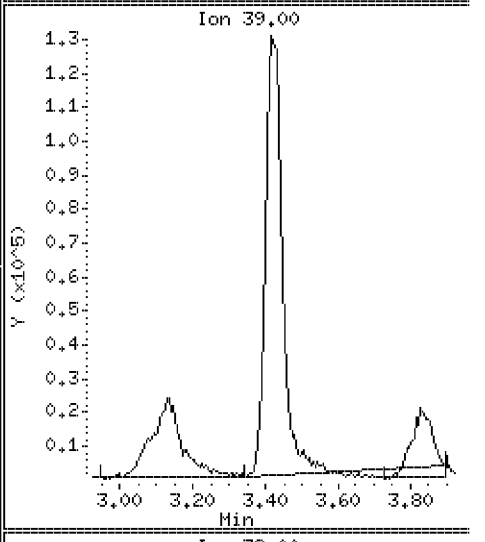


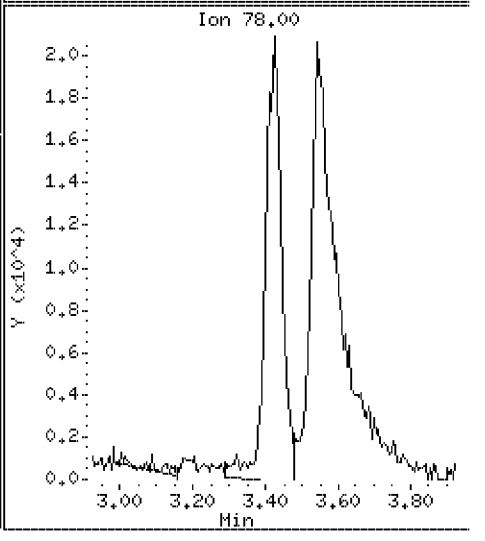












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

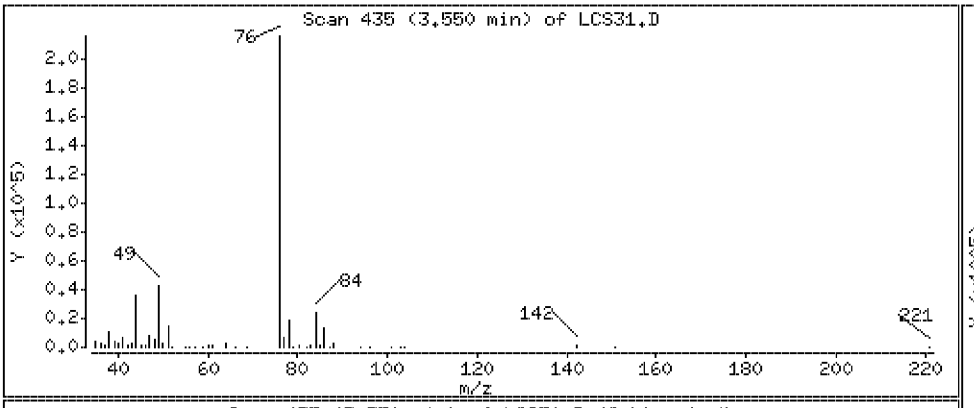
Client ID: 121709LCSA31 Instrument: vms03.i

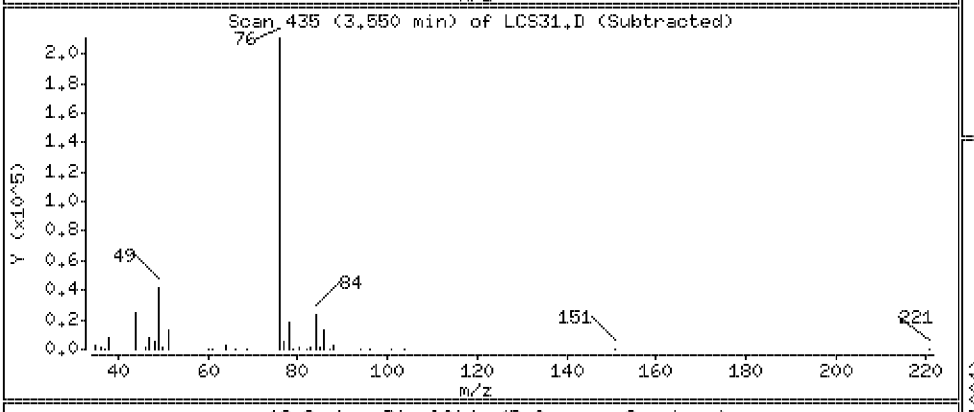
Sample Info: 121709LCSA31

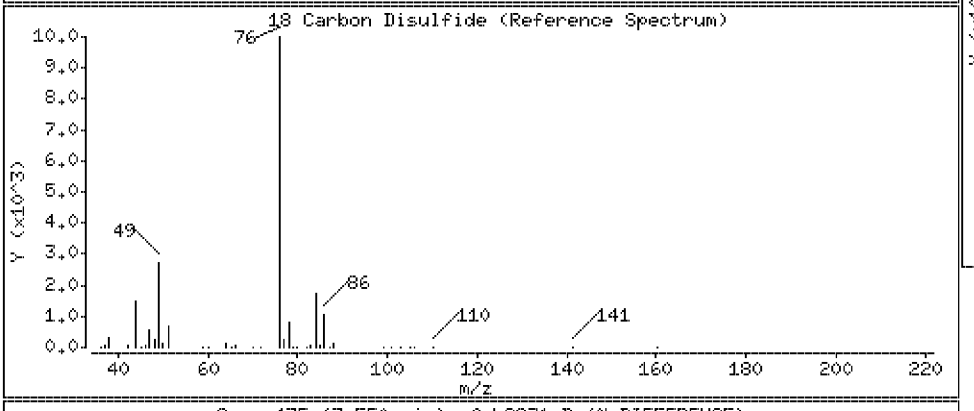
Purge Volume: 5.0 Operator:

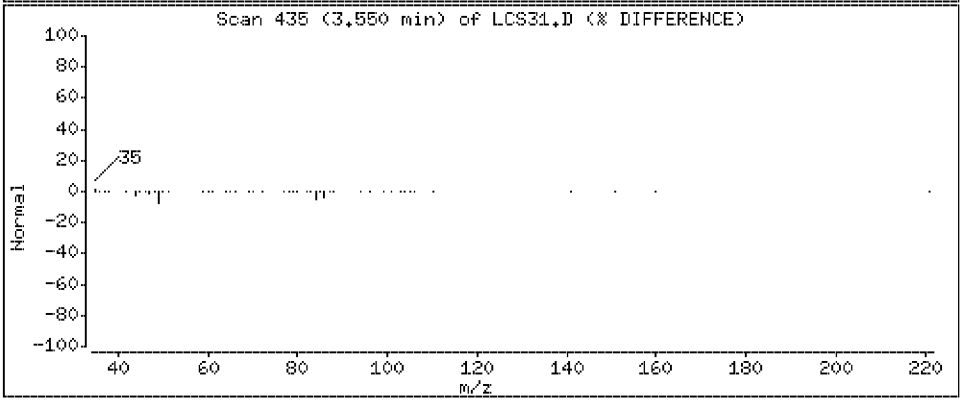
Column phase: DB-624 Column diameter: 0.18

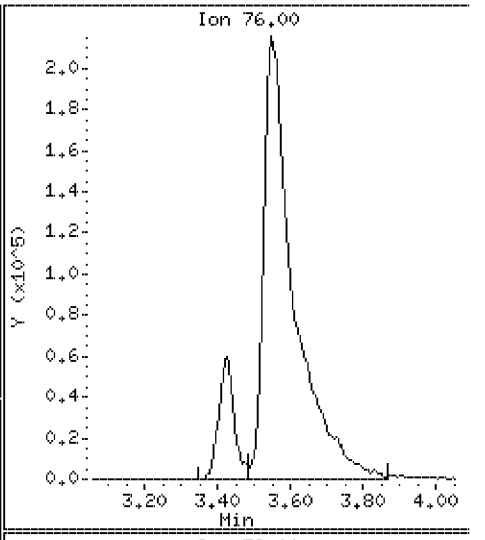
18 Carbon Disulfide Concentration: 22.3 ug/l

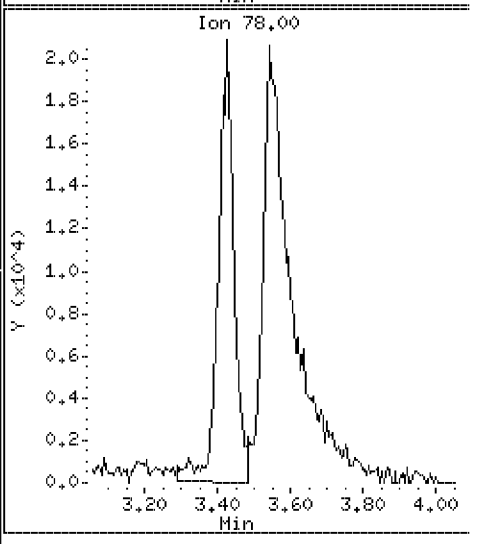












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

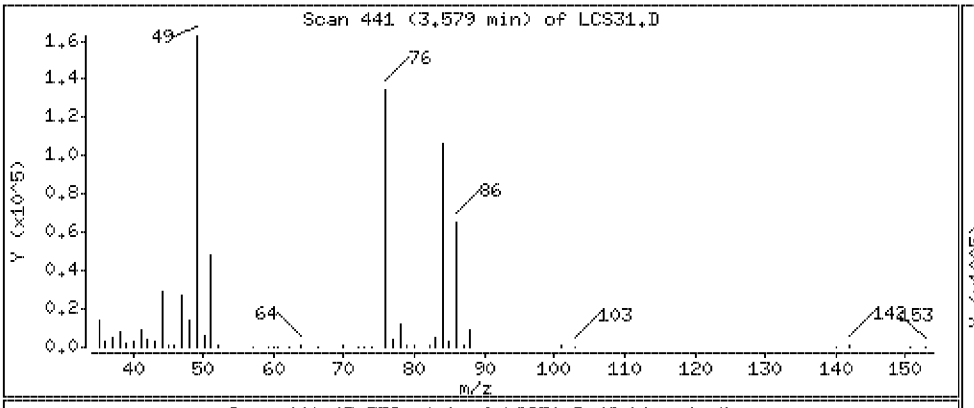
Client ID: 121709LCSA31 Instrument: vms03.i

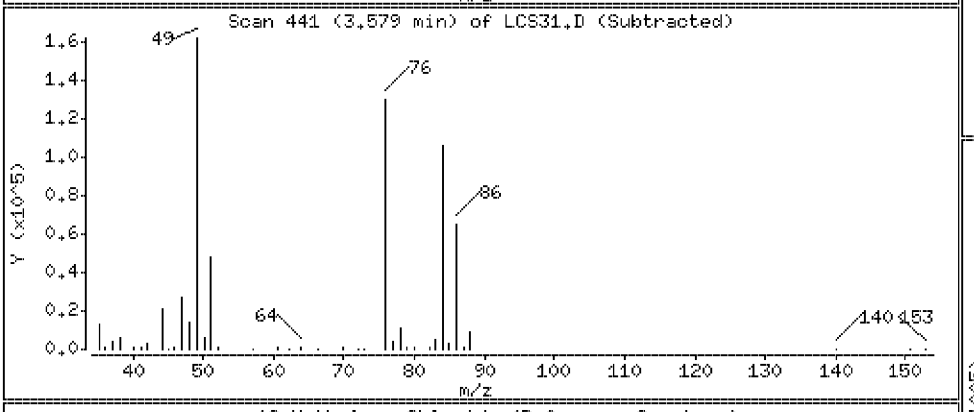
Sample Info: 121709LCSA31

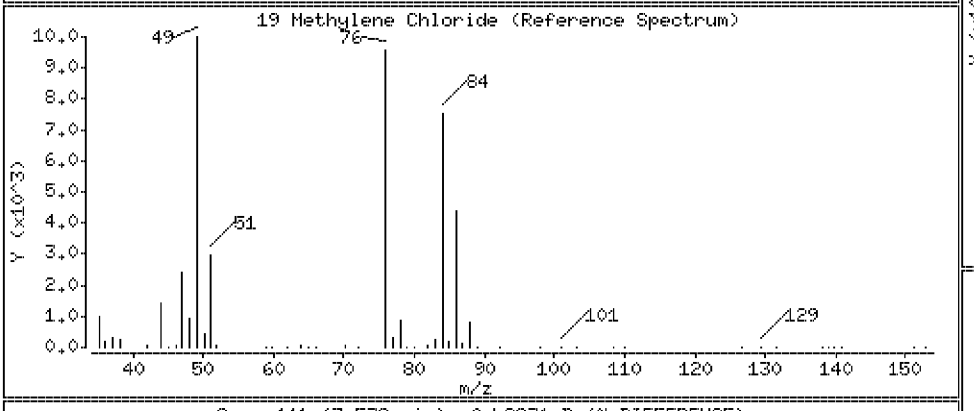
Purge Volume: 5.0 Operator:

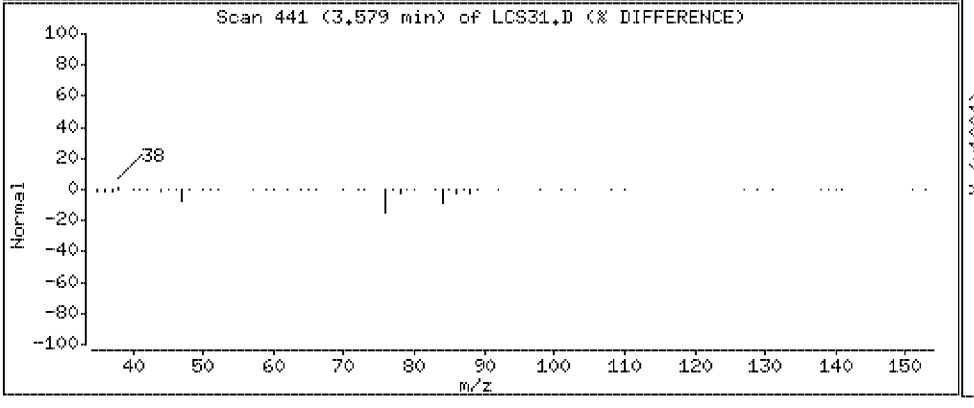
Column phase: DB-624 Column diameter: 0.18

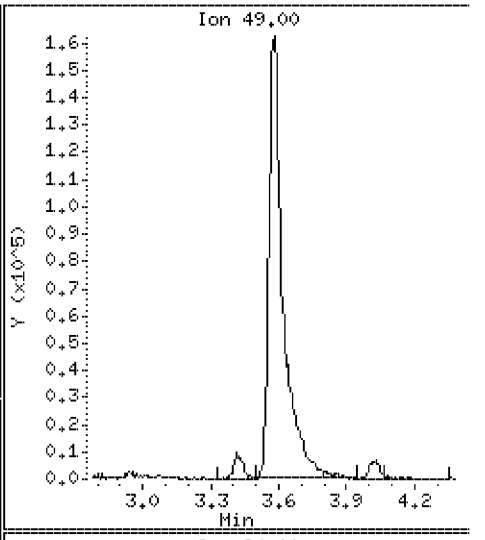
19 Methylene Chloride Concentration: 20.3 ug/l

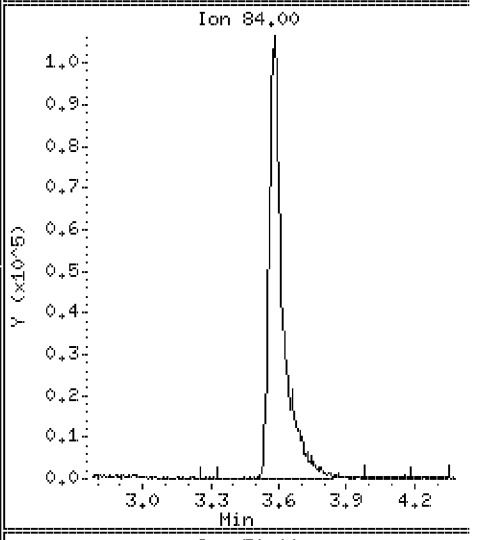


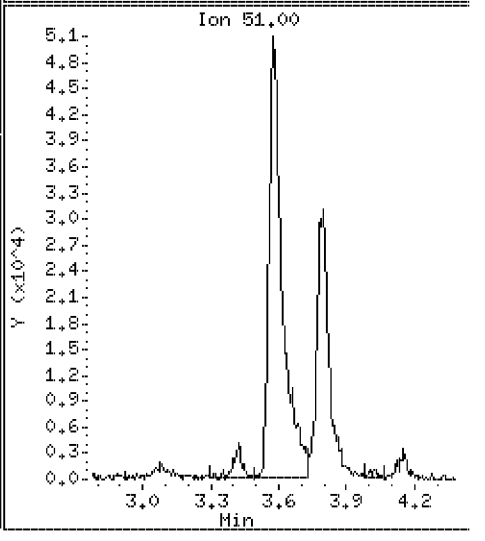












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

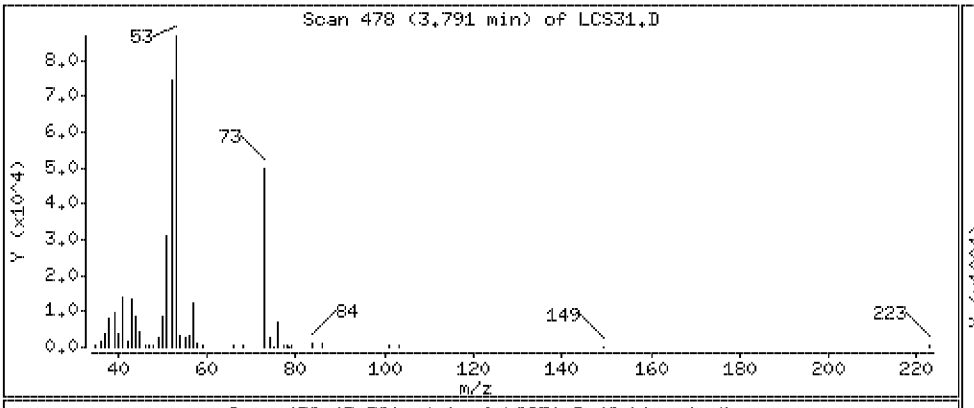
Operator:

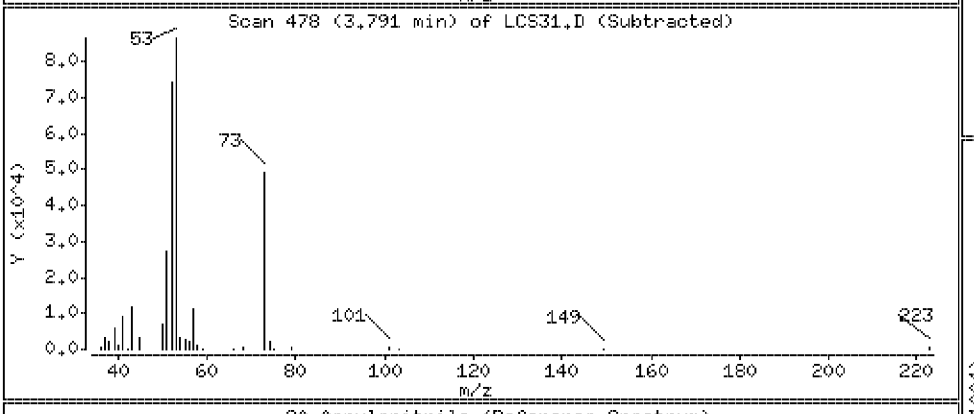
Column phase: DB-624

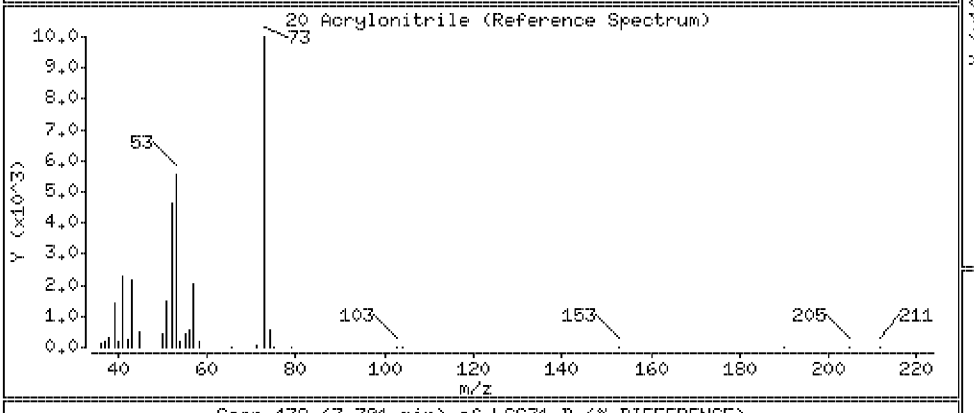
Column diameter: 0.18

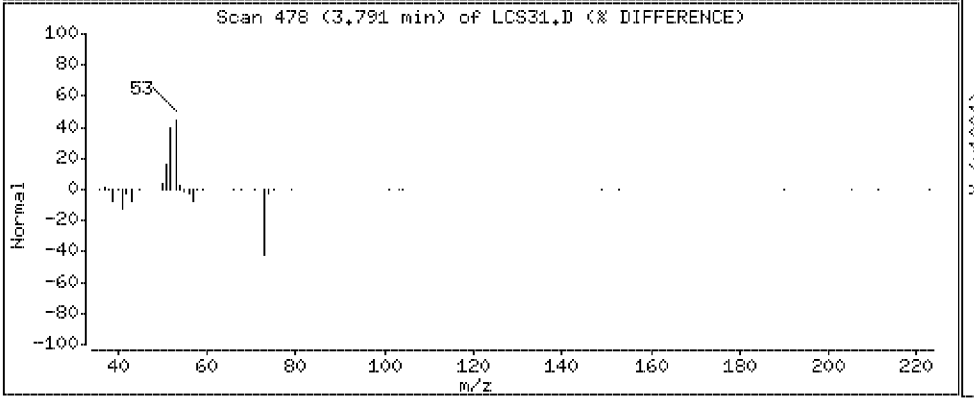
20 Acrylonitrile

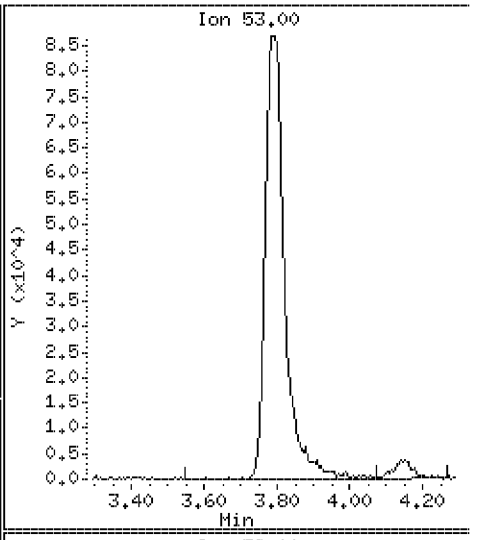
Concentration: 44.6 ug/l

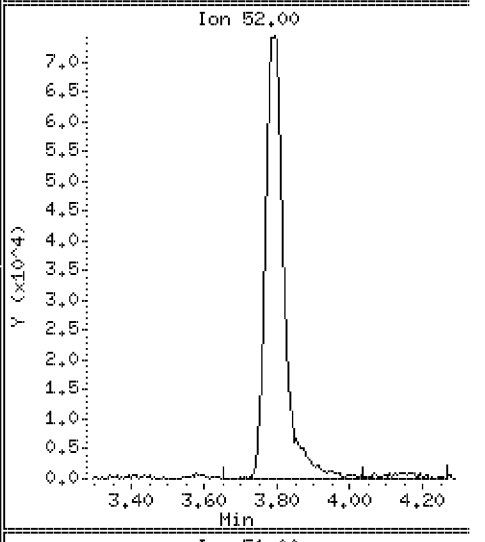


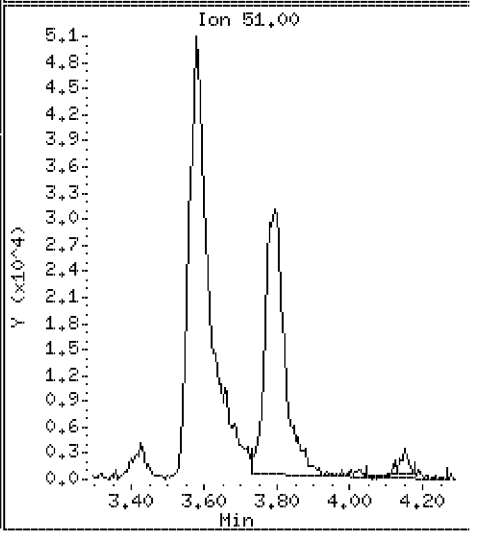












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

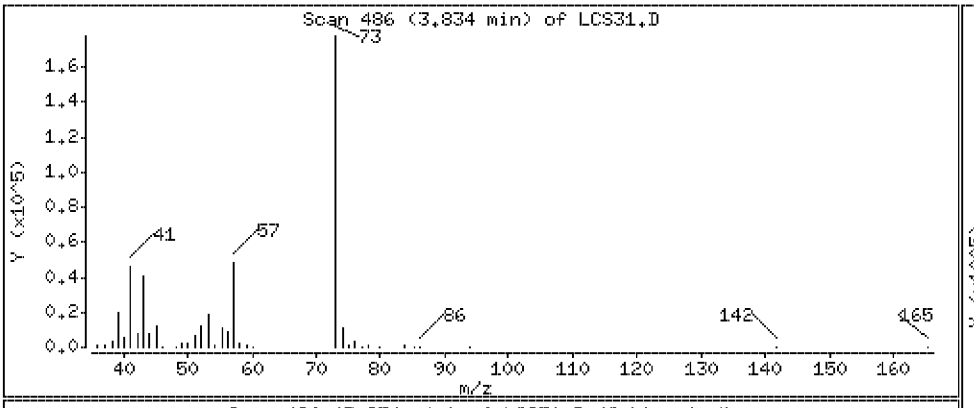
Client ID: 121709LCSA31 Instrument: vms03.i

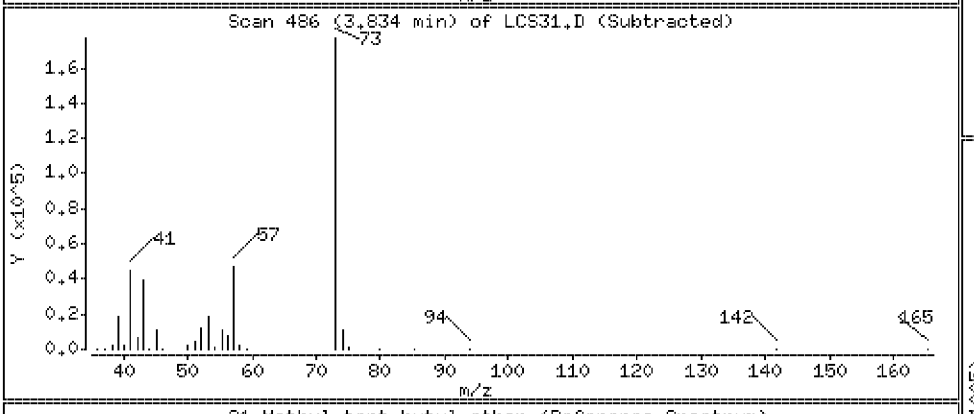
Sample Info: 121709LCSA31

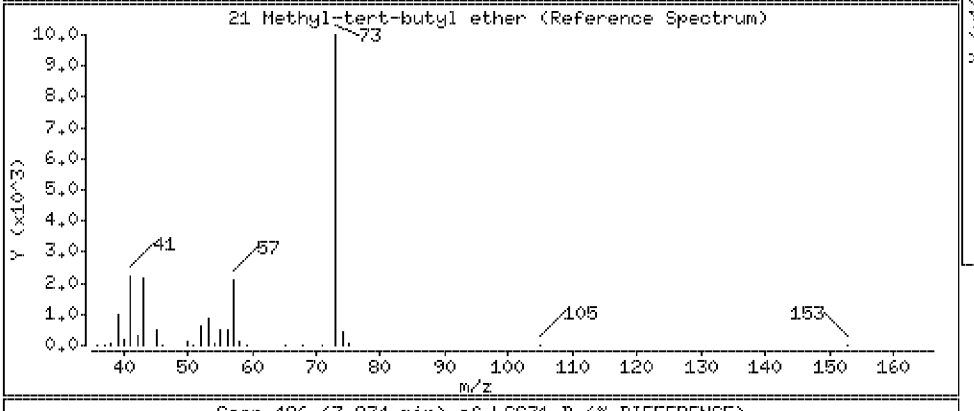
Purge Volume: 5.0 Operator:

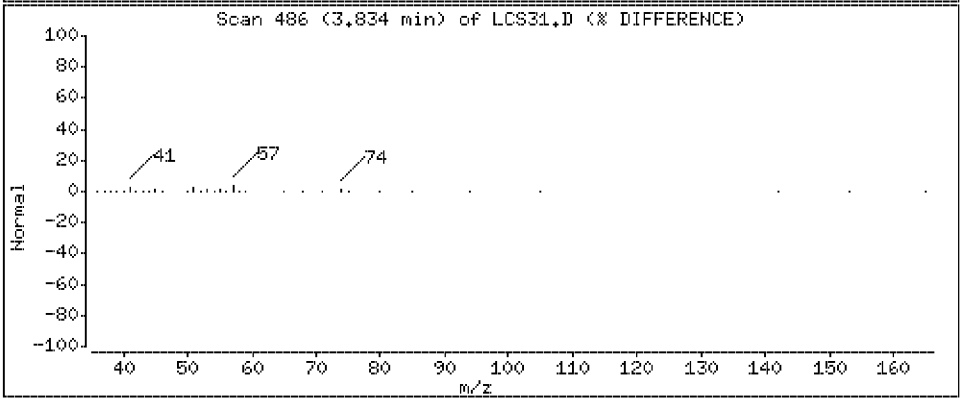
Column phase: DB-624 Column diameter: 0.18

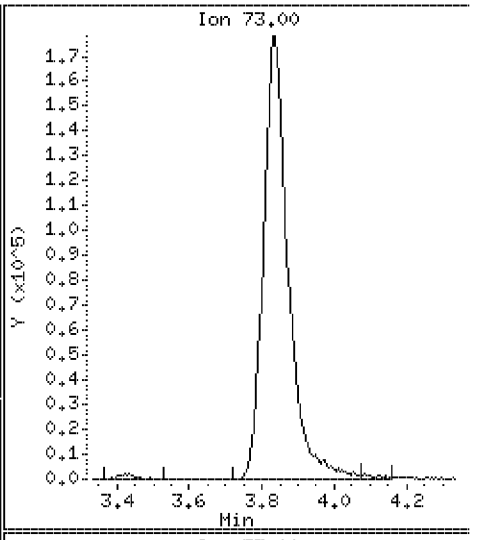
21 Methyl-tert-butyl ether Concentration: 18.8 ug/l

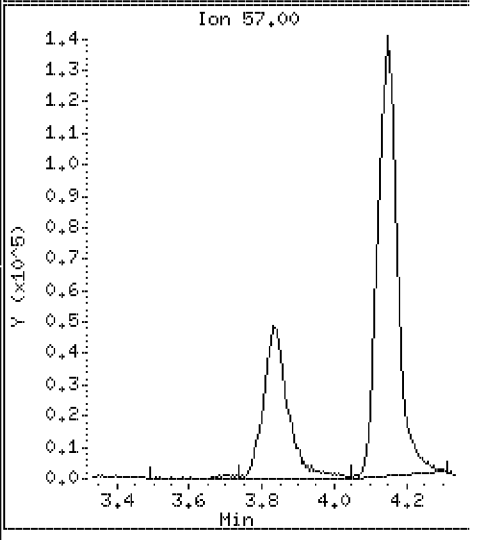












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

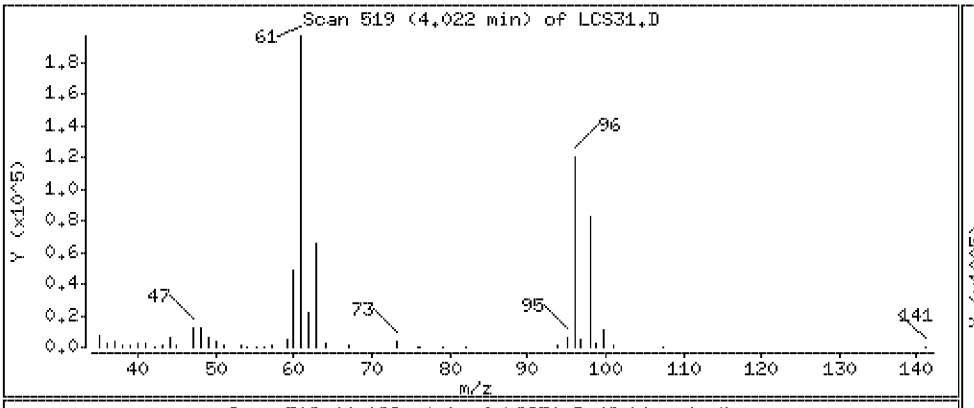
Client ID: 121709LCSA31 Instrument: vms03.i

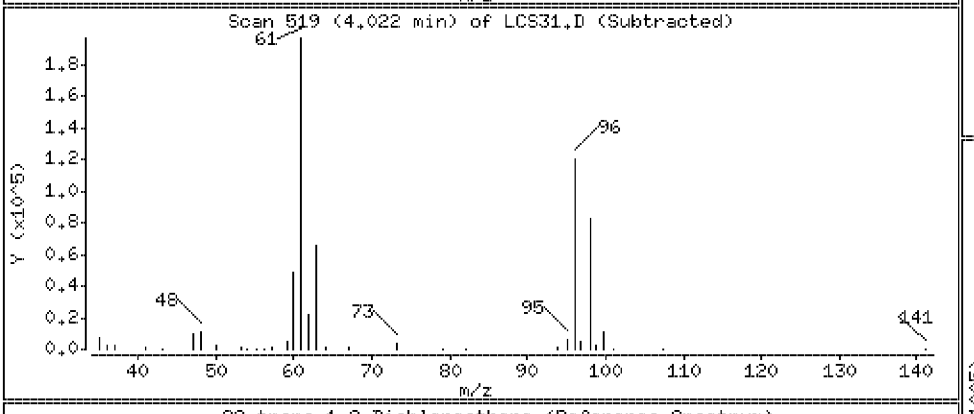
Sample Info: 121709LCSA31

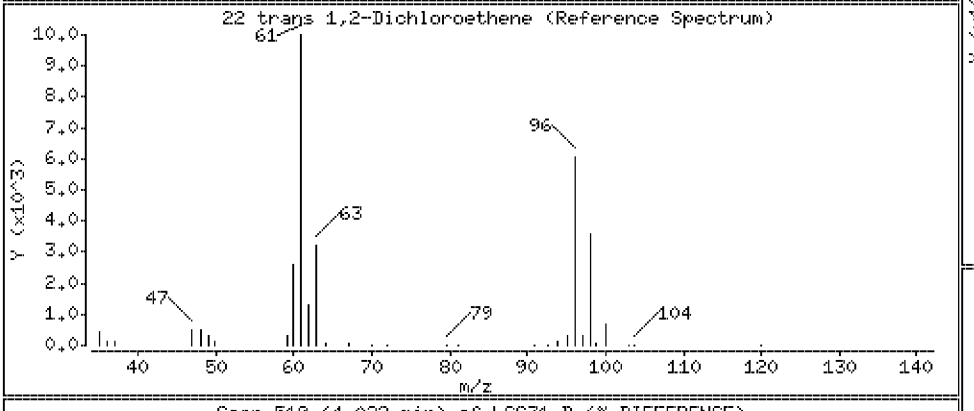
Purge Volume: 5.0 Operator:

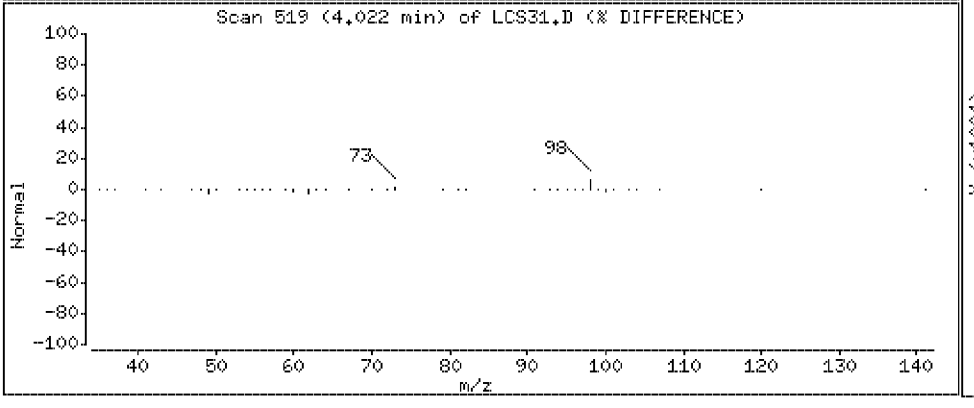
Column phase: DB-624 Column diameter: 0.18

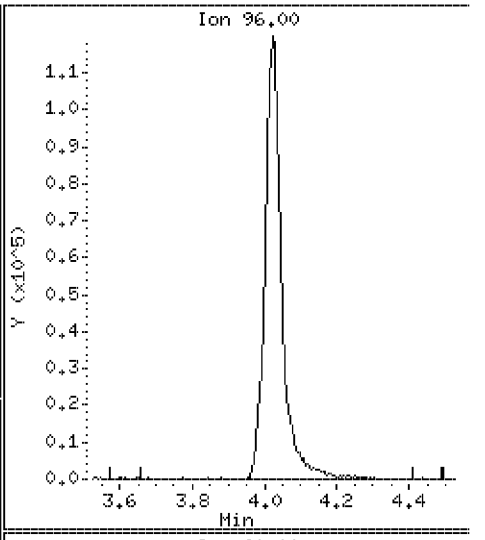
22 trans 1,2-Dichloroethene Concentration: 22.0 ug/l

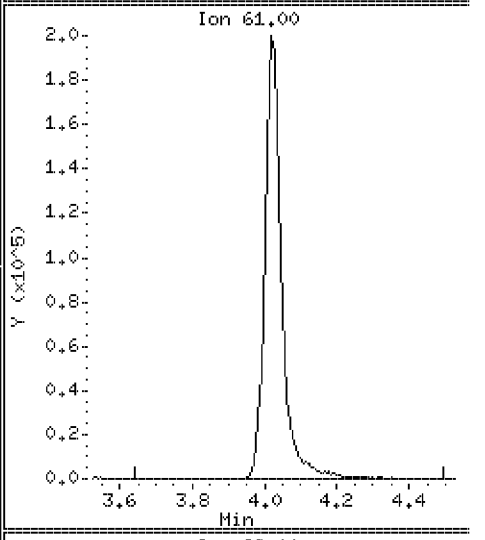


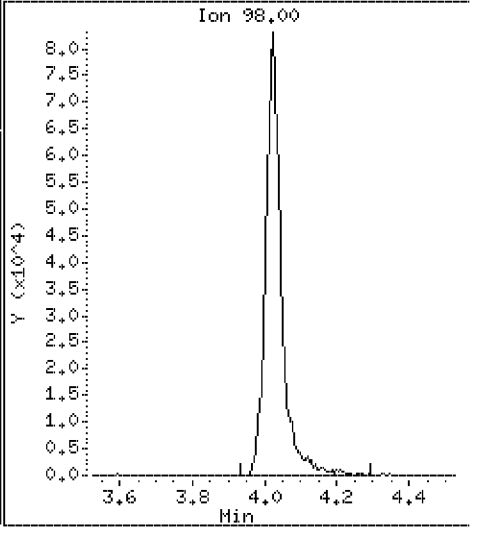












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

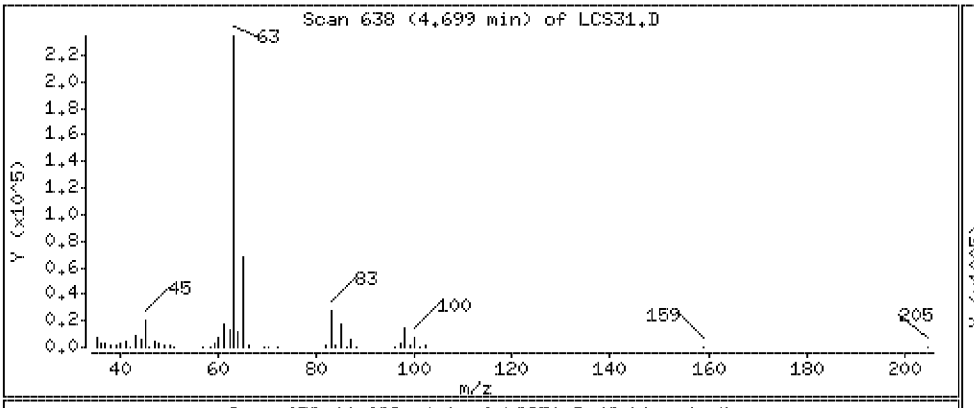
Operator:

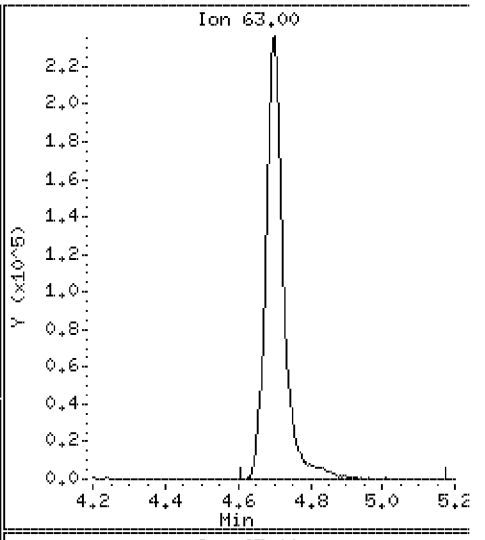
Column phase: DB-624

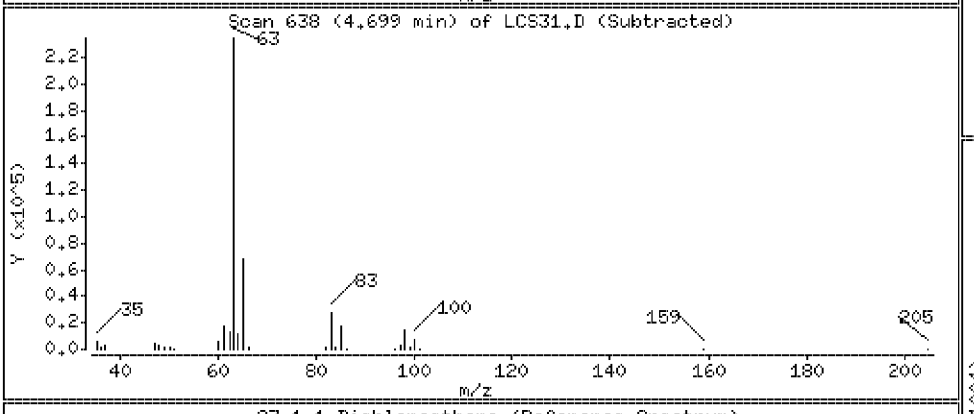
Column diameter: 0.18

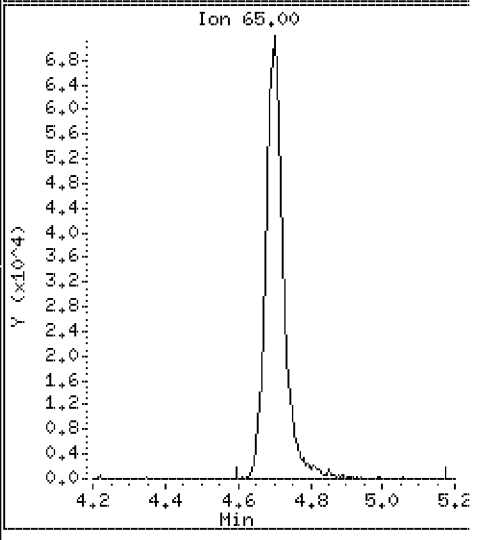
23 1,1-Dichloroethane

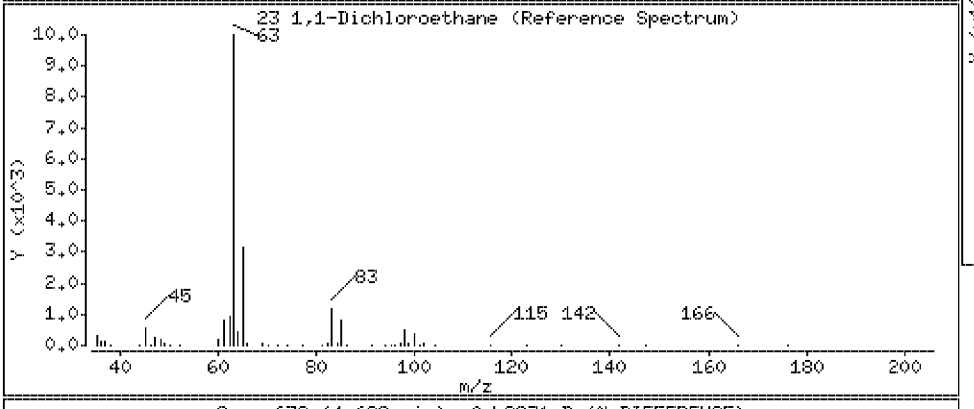
Concentration: 21.7 ug/l

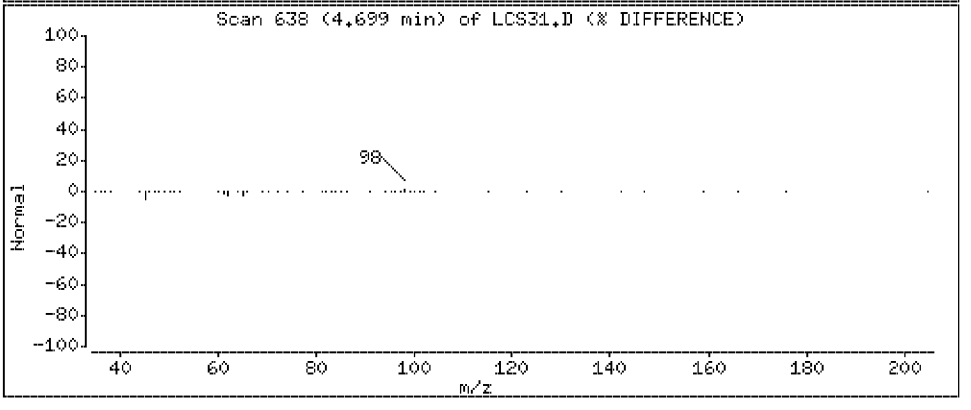












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

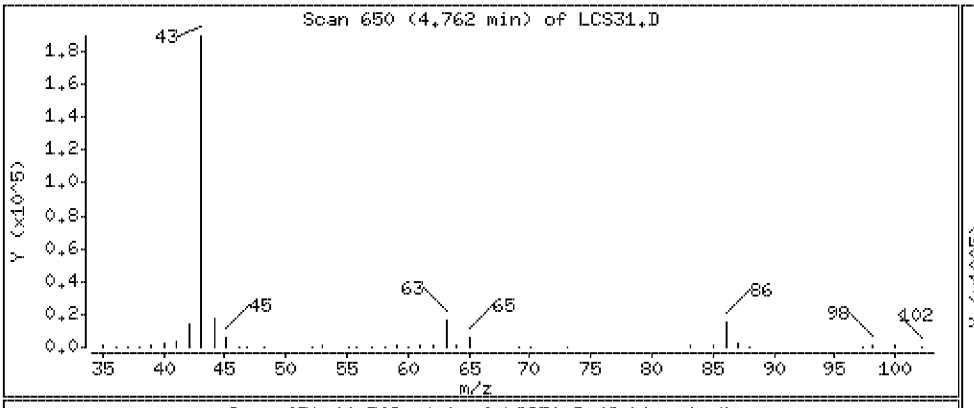
Client ID: 121709LCSA31 Instrument: vms03.i

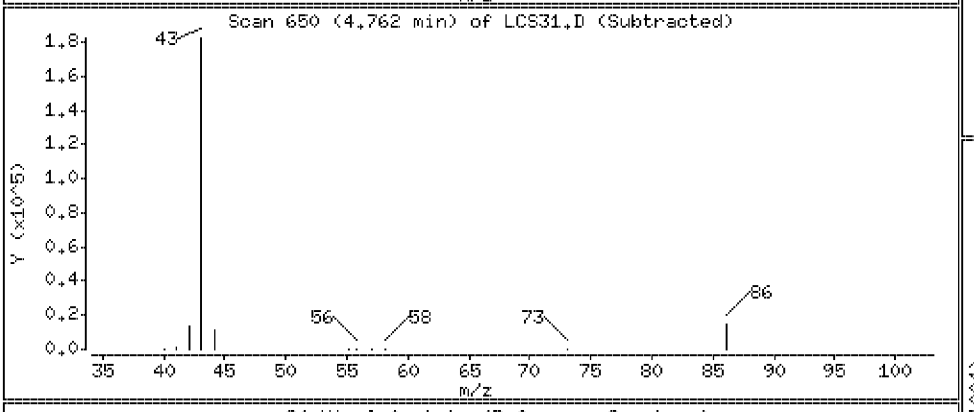
Sample Info: 121709LCSA31

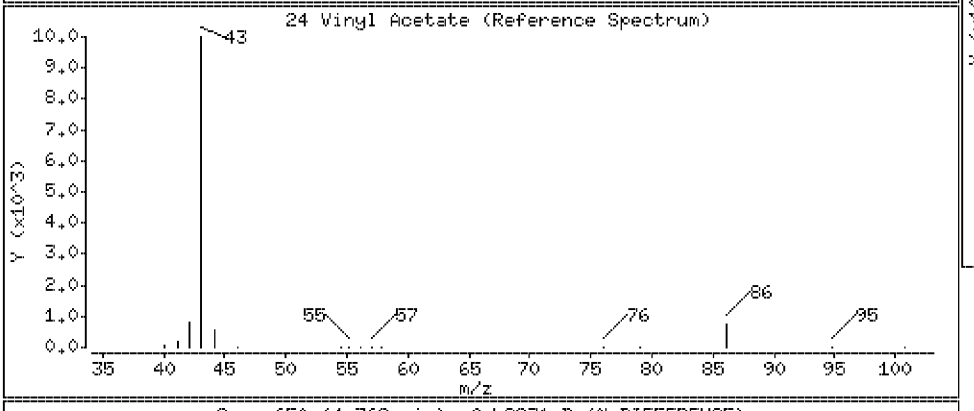
Purge Volume: 5.0 Operator:

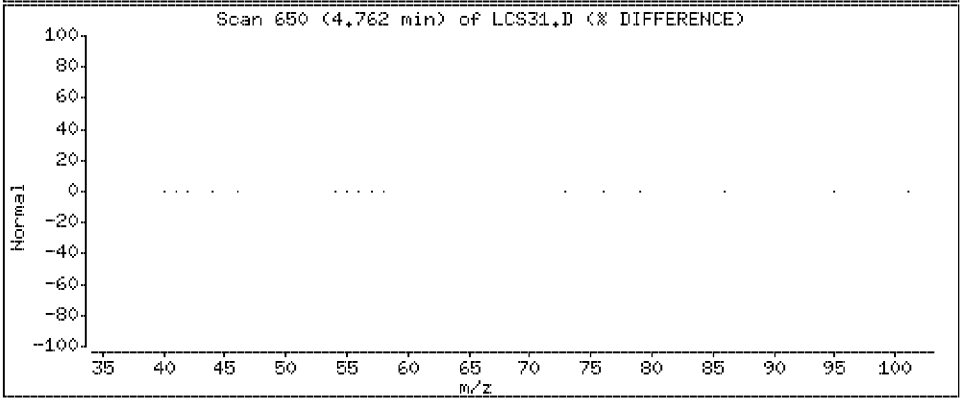
Column phase: DB-624 Column diameter: 0.18

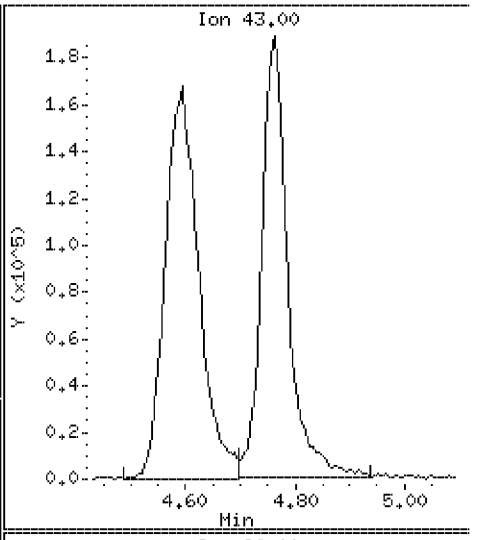
24 Vinyl Acetate Concentration: 21.1 ug/l

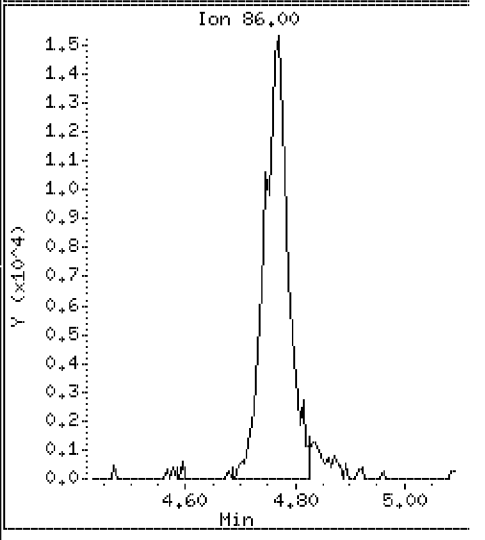












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

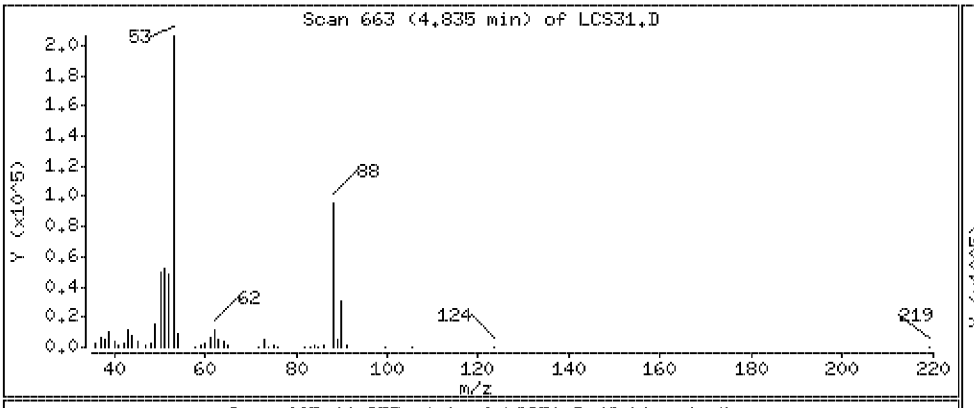
Client ID: 121709LCSA31 | Instrument: vms03.i

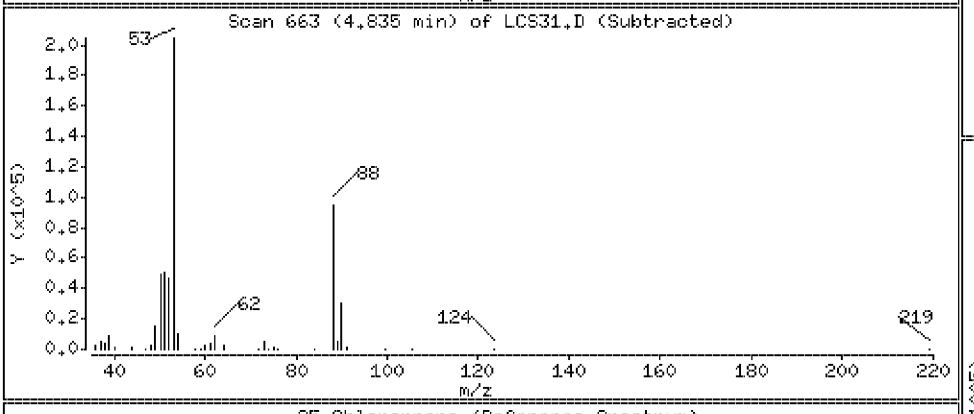
Sample Info: 121709LCSA31

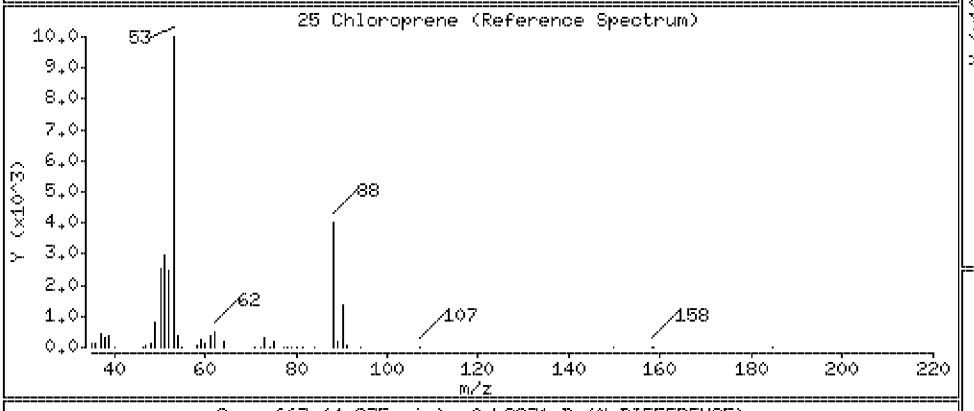
Purge Volume: 5.0 | Operator:

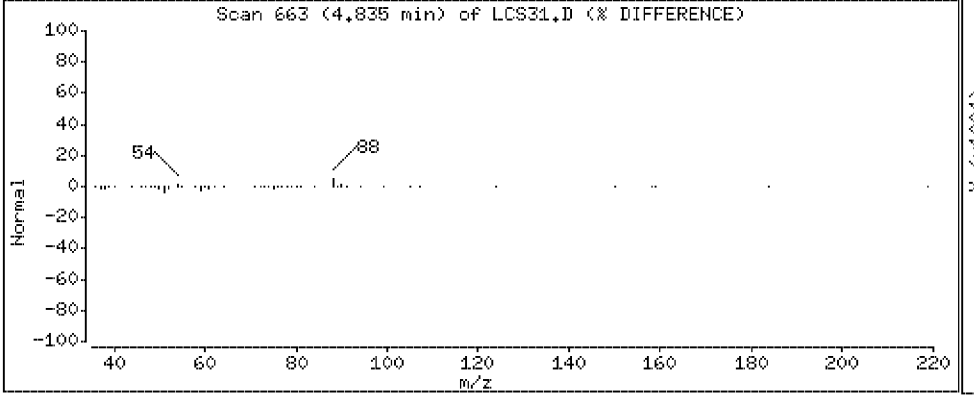
Column phase: DB-624 | Column diameter: 0.18

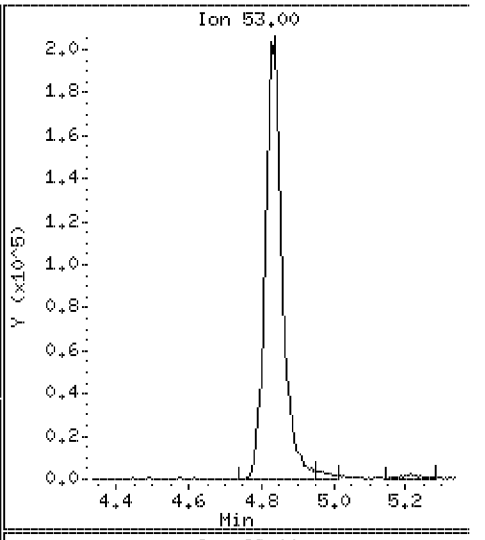
25 Chloroprene | Concentration: 22.1 ug/l

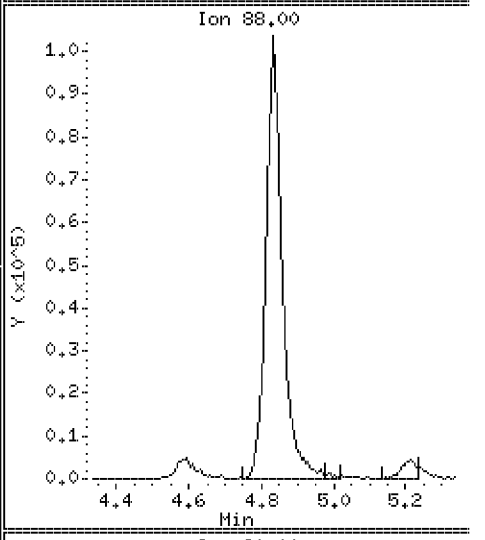


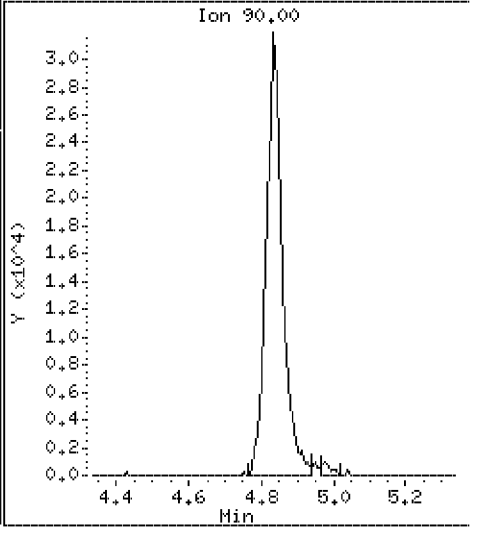












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

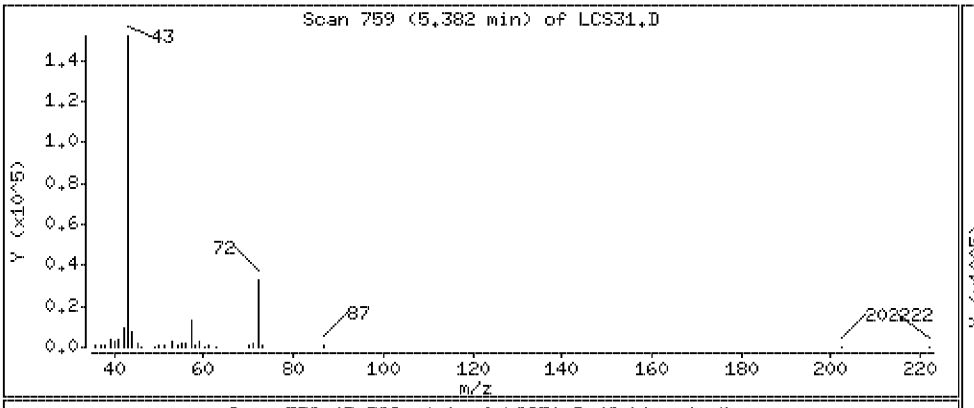
Client ID: 121709LCSA31 Instrument: vms03.i

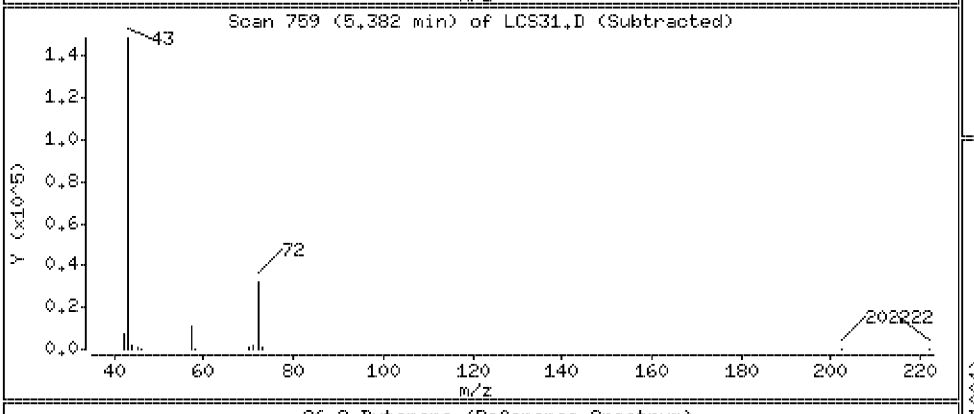
Sample Info: 121709LCSA31

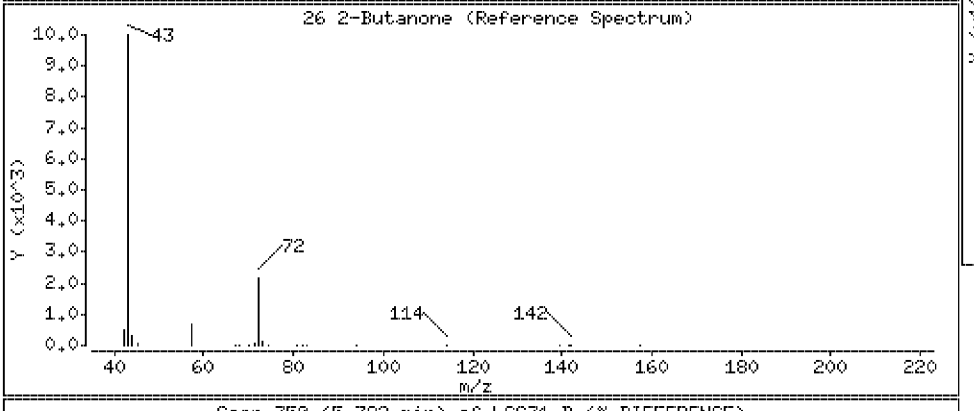
Purge Volume: 5.0 Operator:

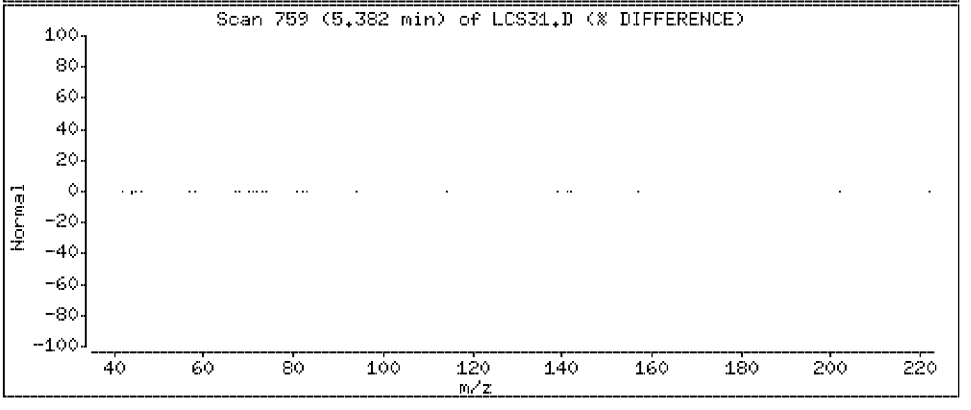
Column phase: DB-624 Column diameter: 0.18

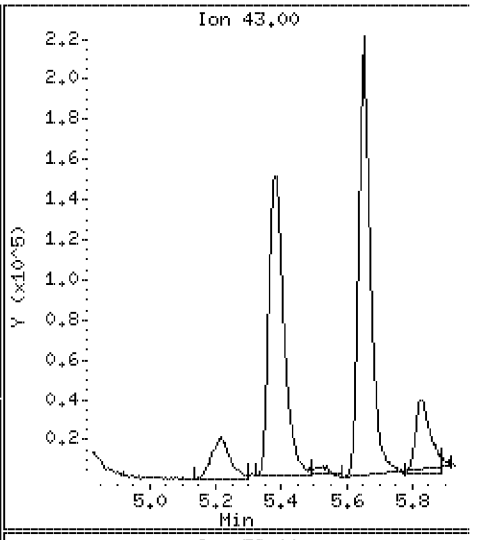
26 2-Butanone Concentration: 46.7 ug/l

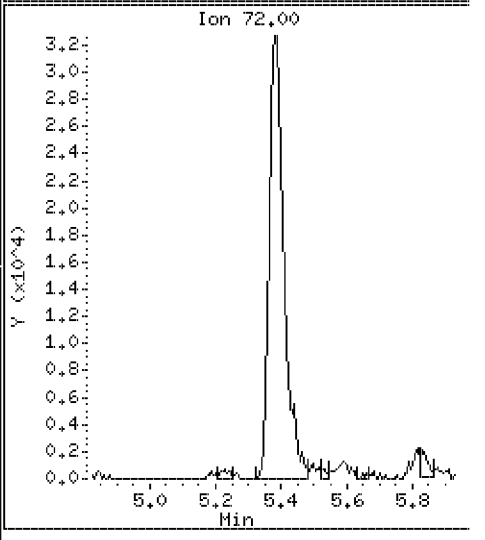












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Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

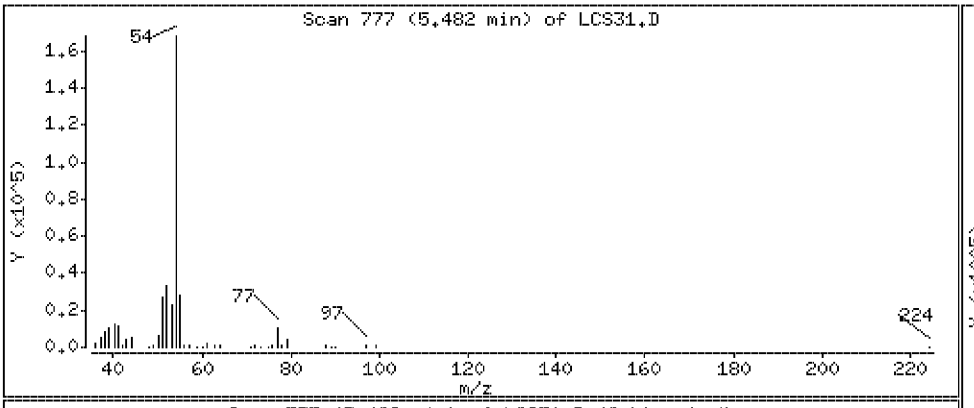
Operator:

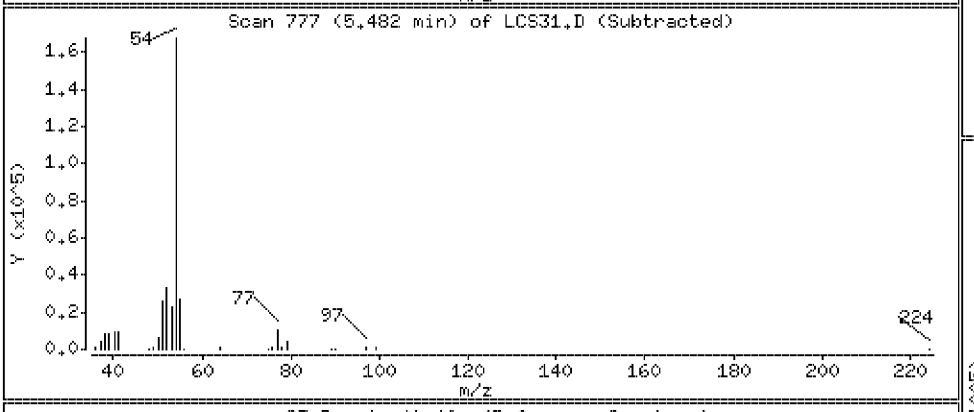
Column phase: DB-624

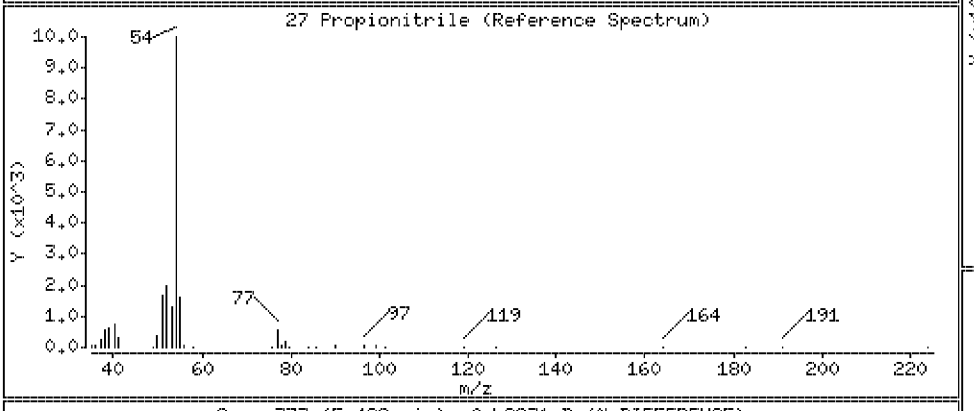
Column diameter: 0.18

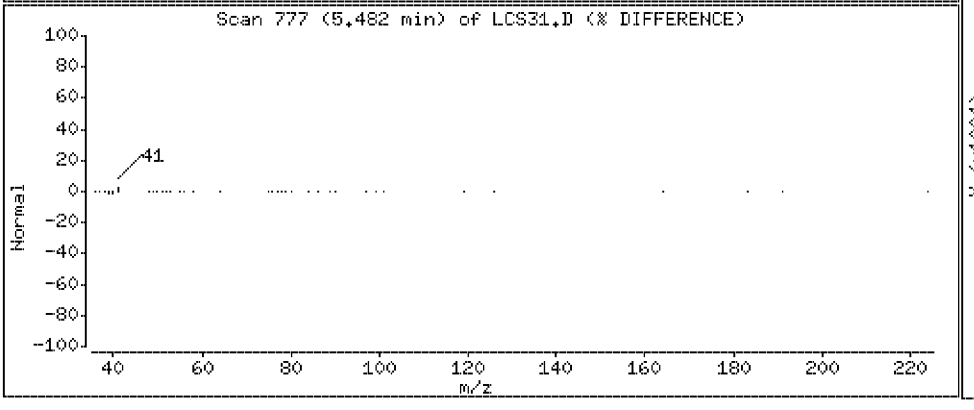
27 Propionitrile

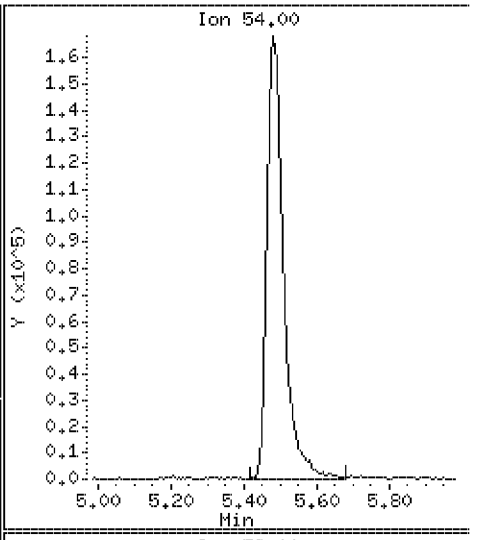
Concentration: 236 ug/l

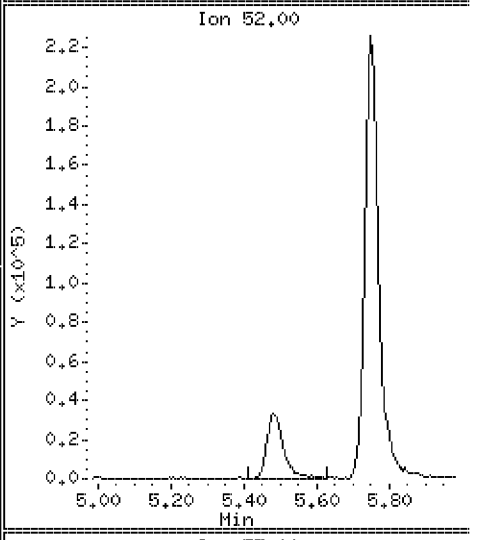


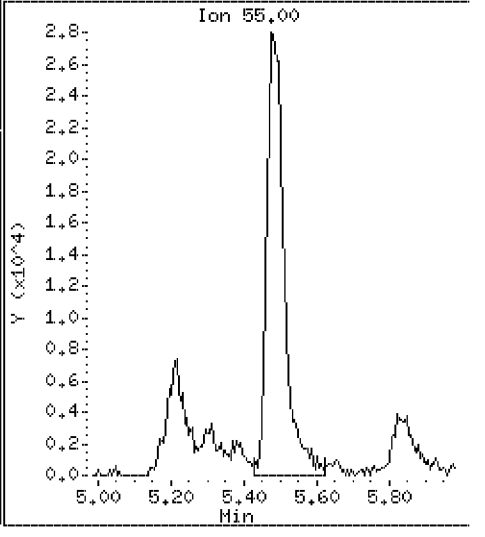












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

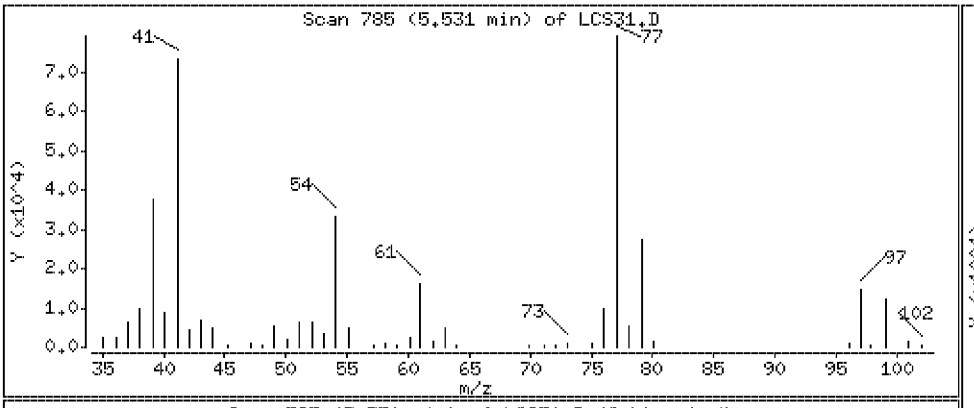
Client ID: 121709LCSA31 Instrument: vms03.i

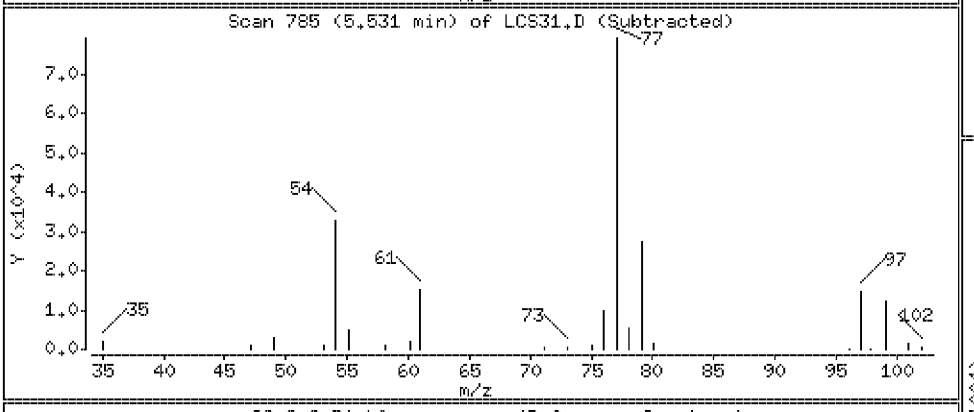
Sample Info: 121709LCSA31

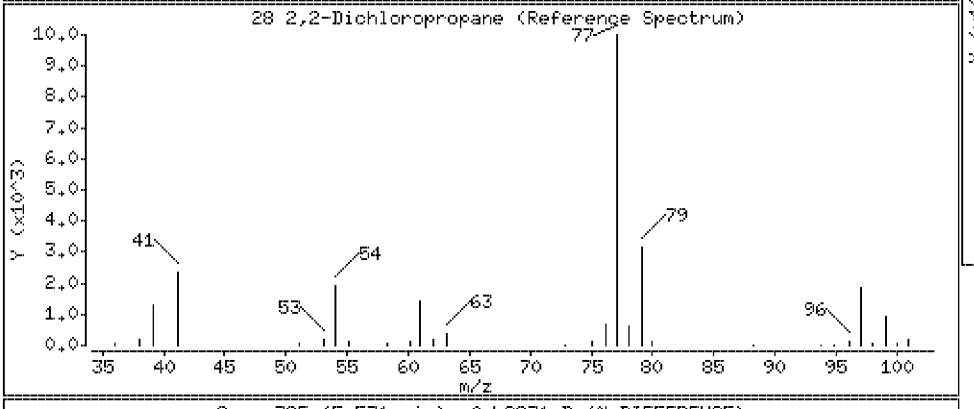
Purge Volume: 5.0 Operator:

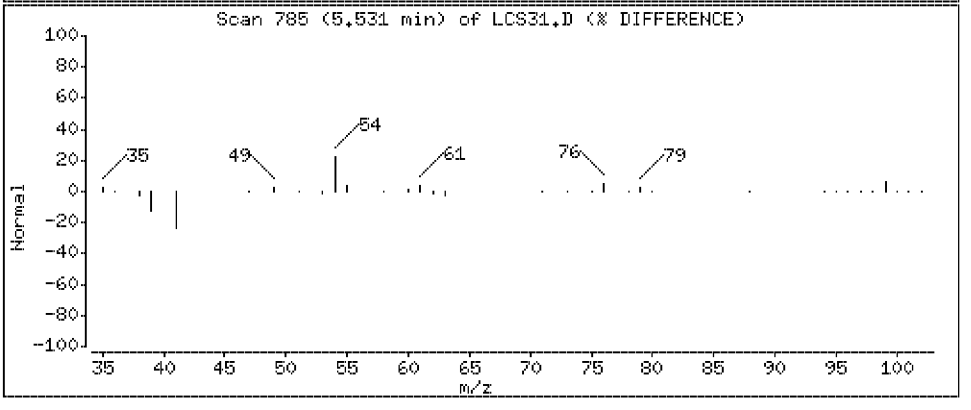
Column phase: DB-624 Column diameter: 0.18

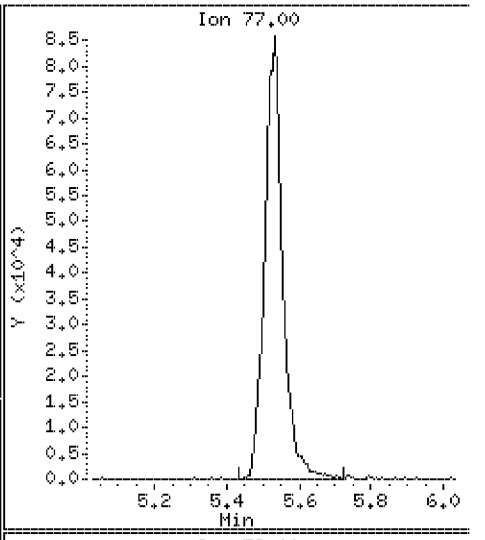
28 2,2-Dichloropropane Concentration: 19.8 ug/l

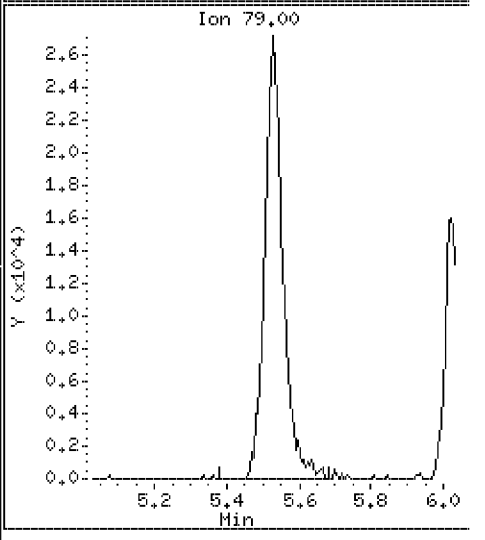












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

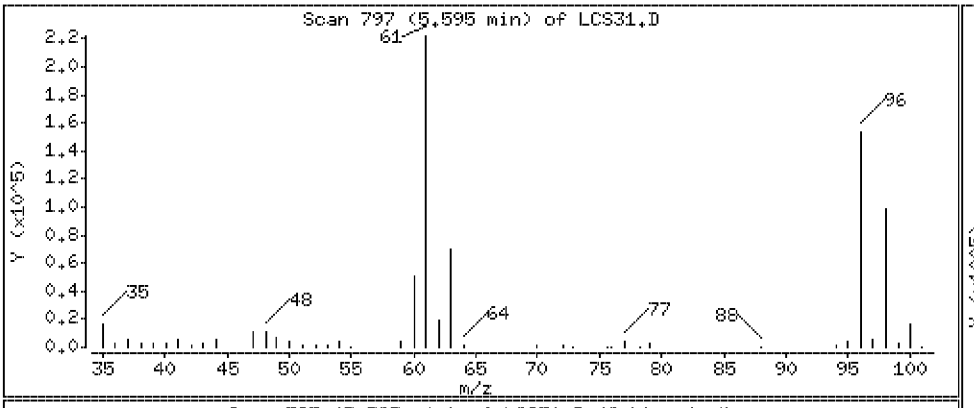
Client ID: 121709LCSA31 Instrument: vms03.i

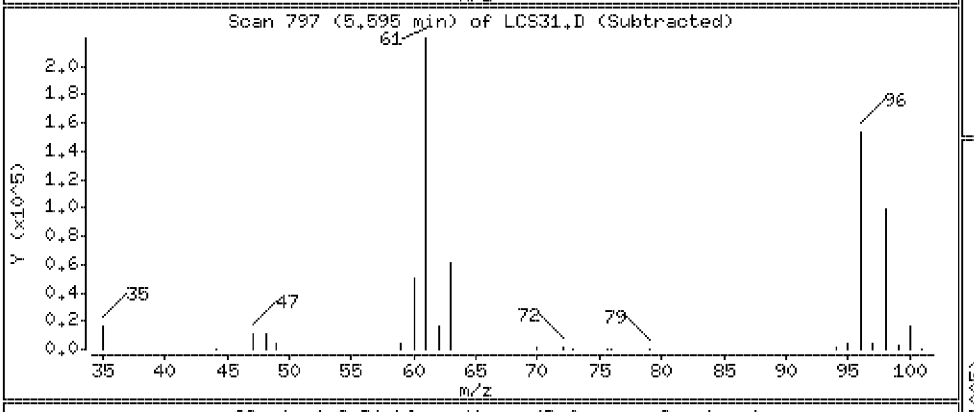
Sample Info: 121709LCSA31

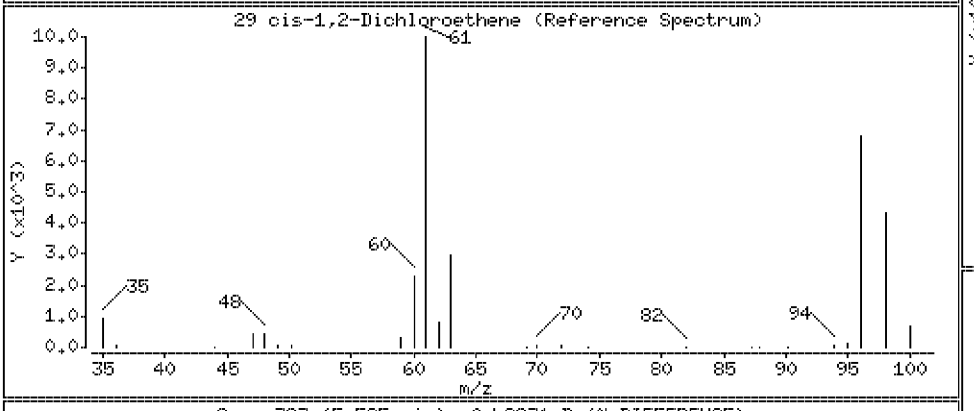
Purge Volume: 5.0 Operator:

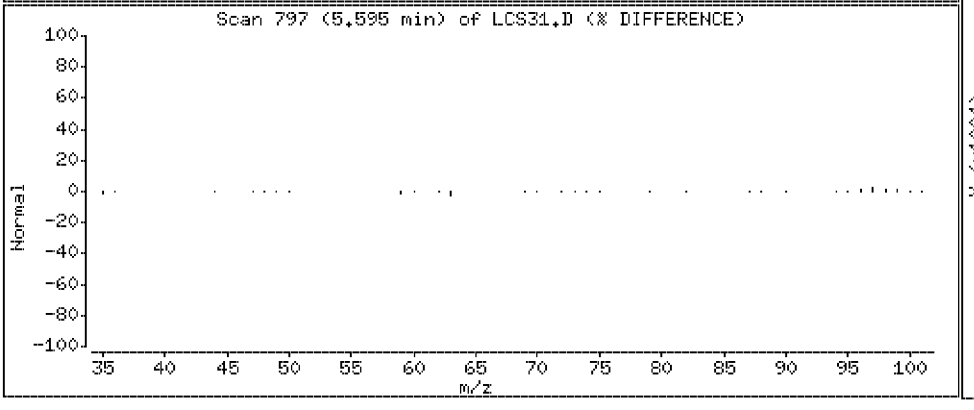
Column phase: DB-624 Column diameter: 0.18

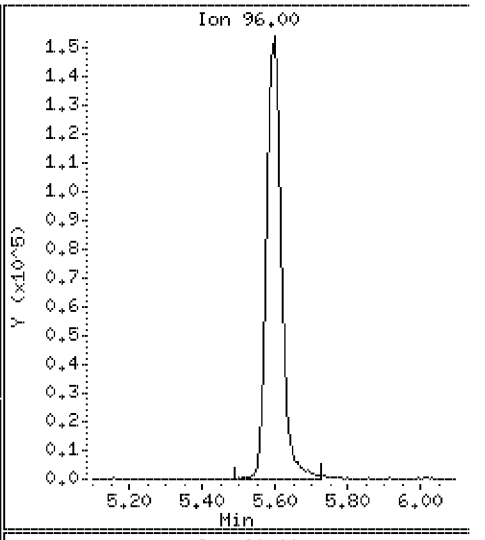
29 cis-1,2-Dichloroethene Concentration: 21.4 ug/l

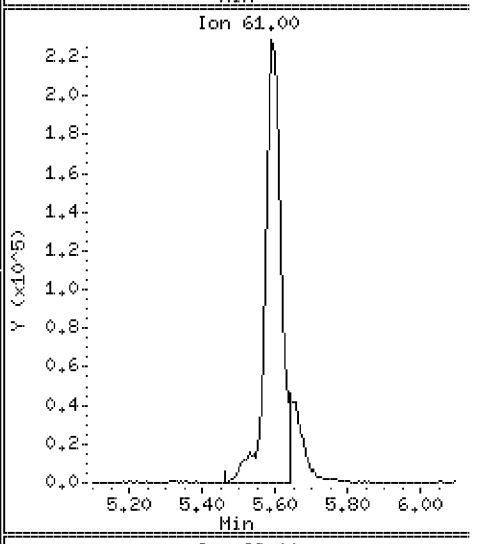


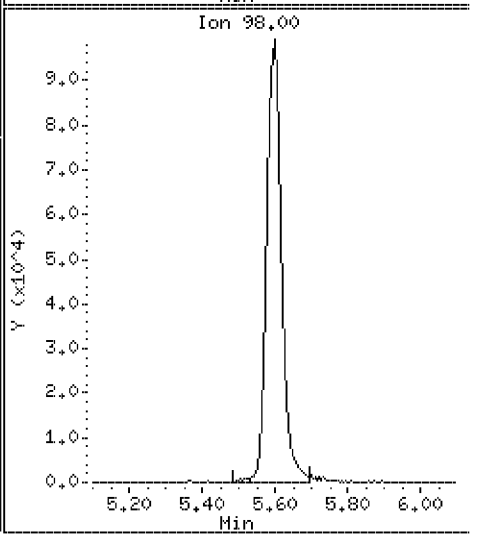












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

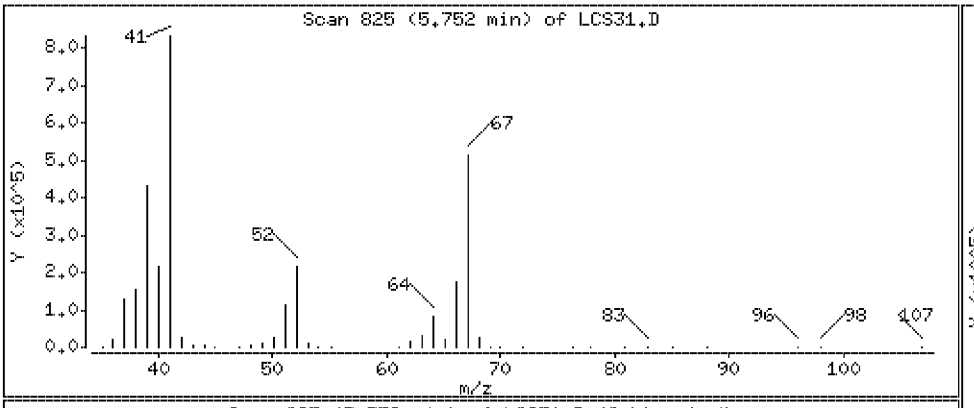
Client ID: 121709LCSA31 Instrument: vms03.i

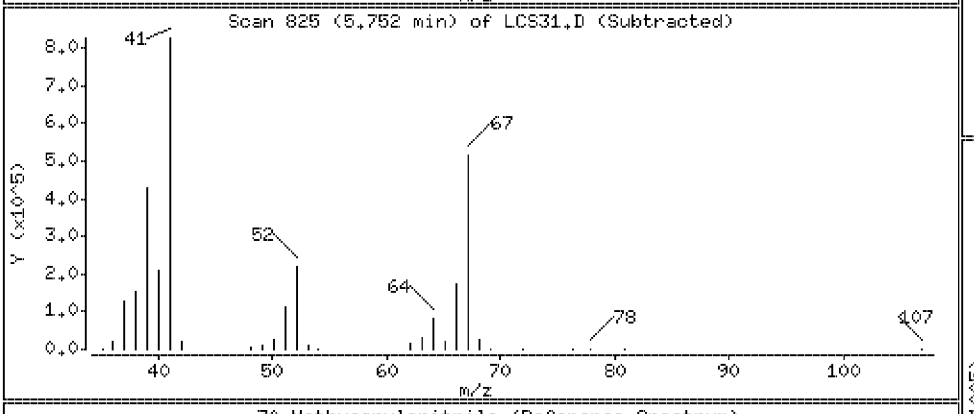
Sample Info: 121709LCSA31

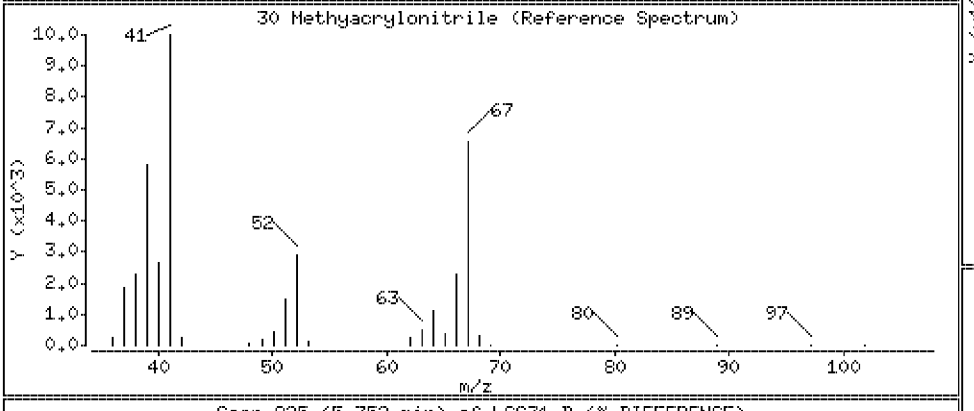
Purge Volume: 5.0 Operator:

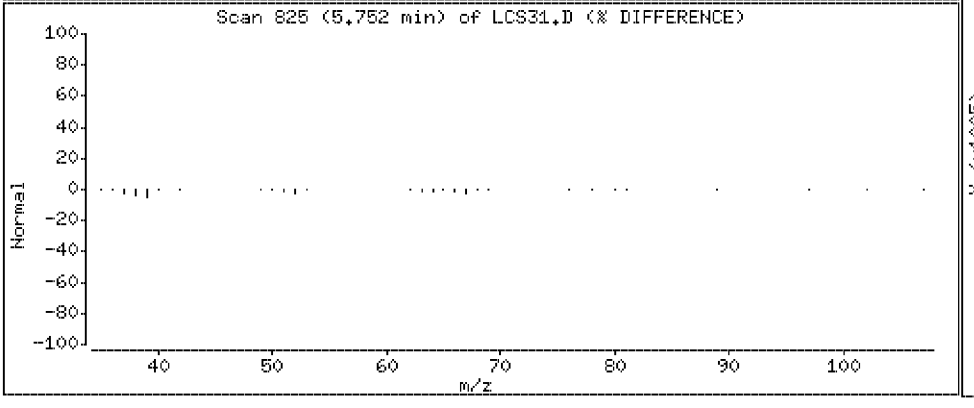
Column phase: DB-624 Column diameter: 0.18

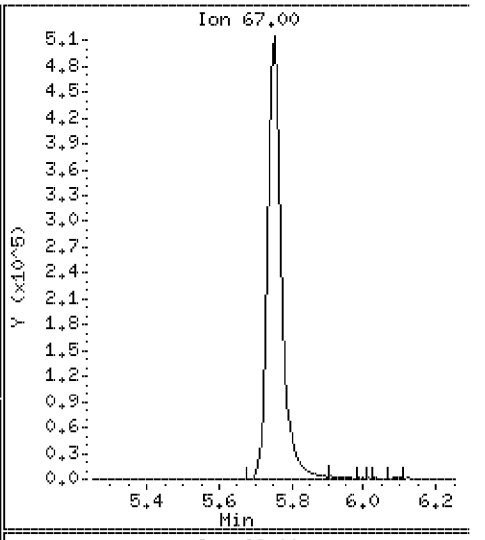
30 Methyacrylonitrile Concentration: 208 ug/l

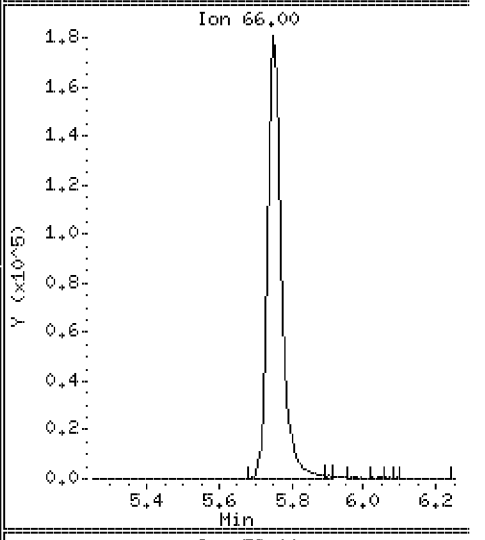


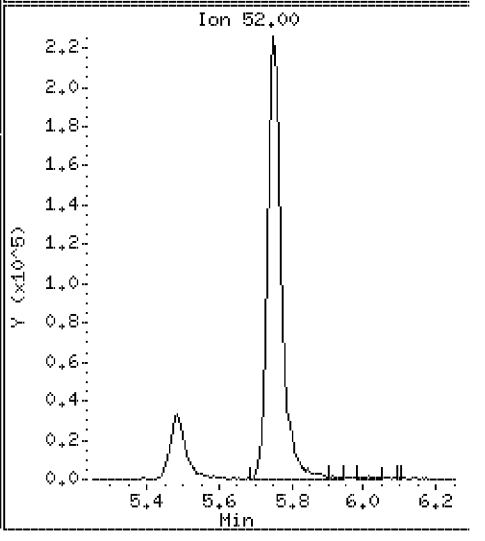












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

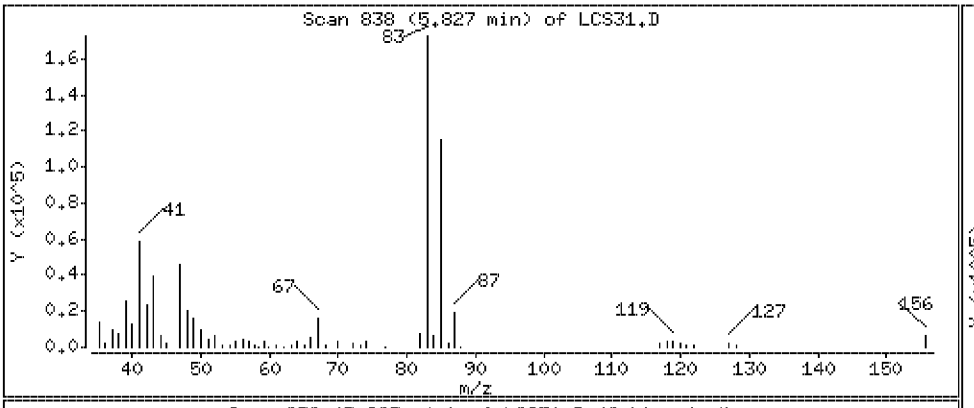
Client ID: 121709LCSA31 Instrument: vms03.i

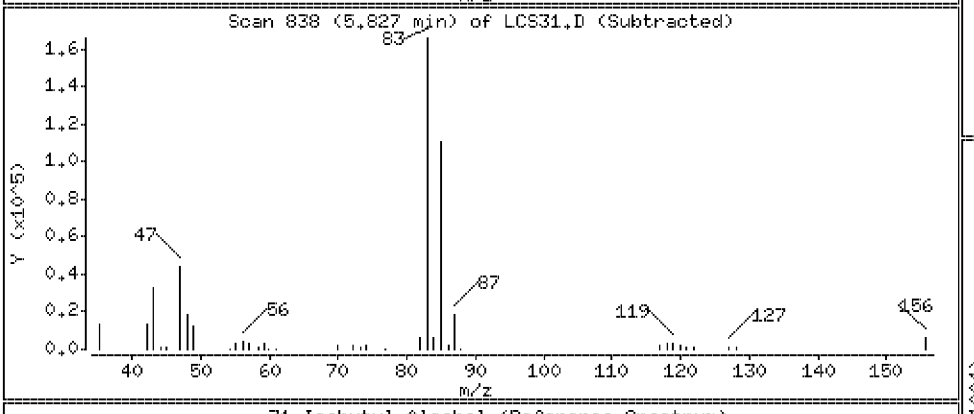
Sample Info: 121709LCSA31

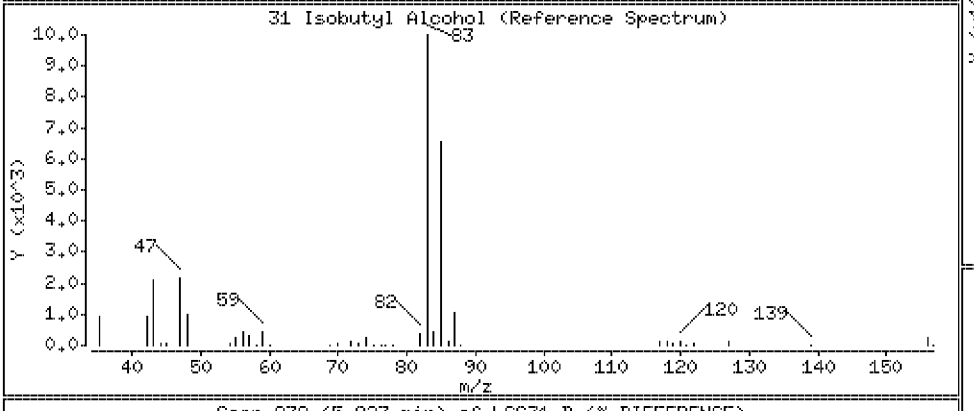
Purge Volume: 5.0 Operator:

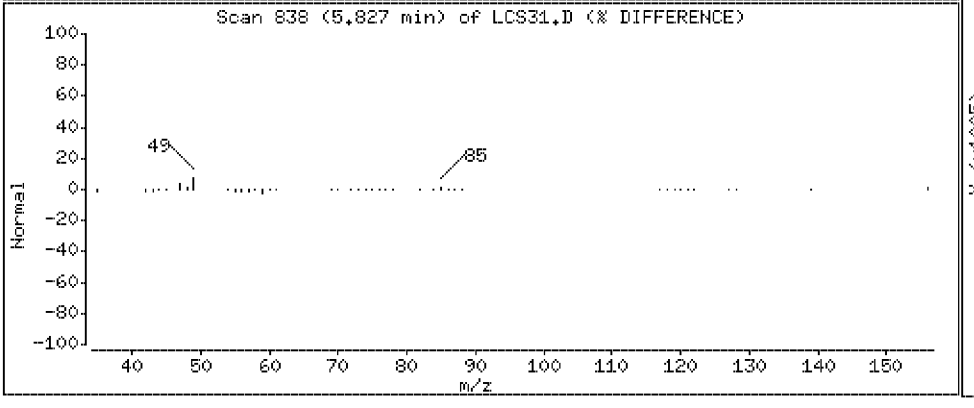
Column phase: DB-624 Column diameter: 0.18

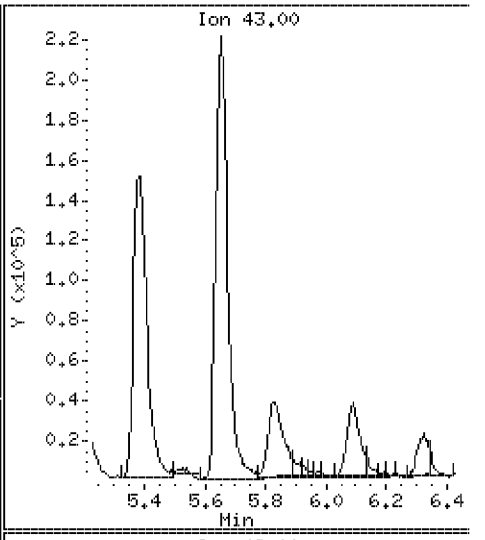
31 Isobutyl Alcohol Concentration: 530 ug/l

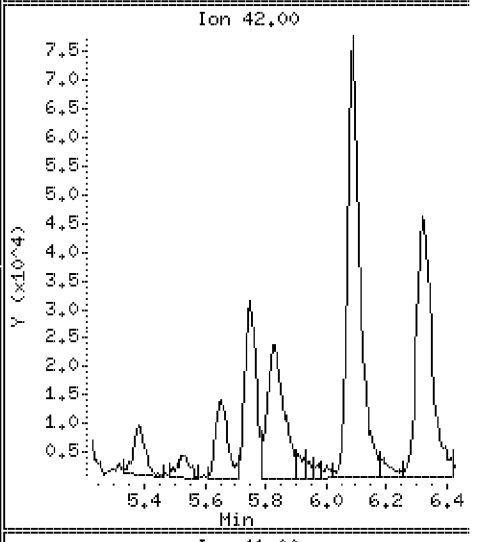


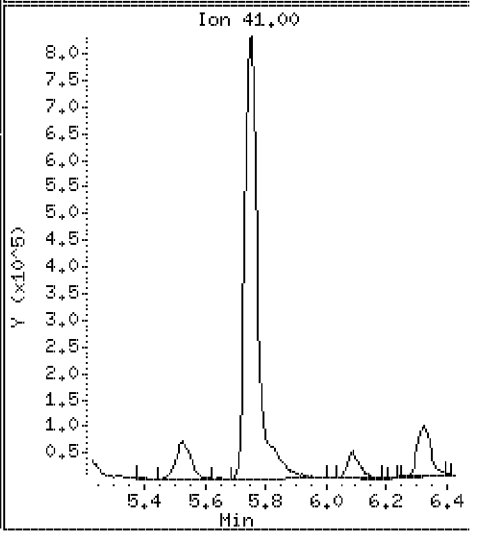












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

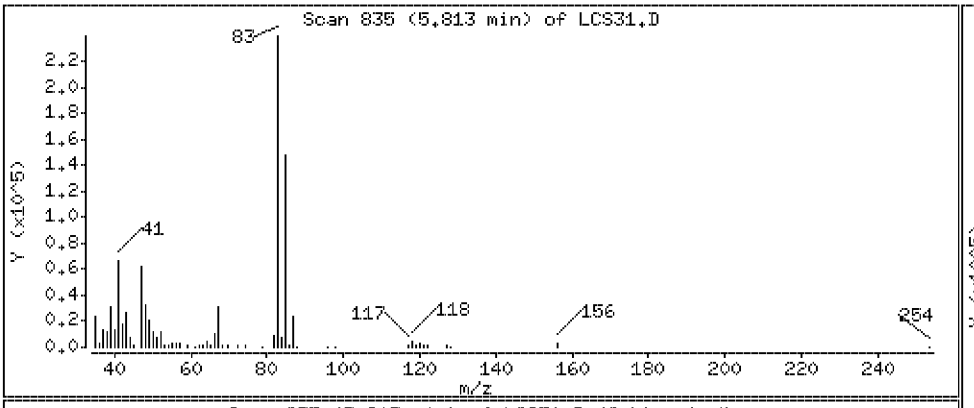
Operator:

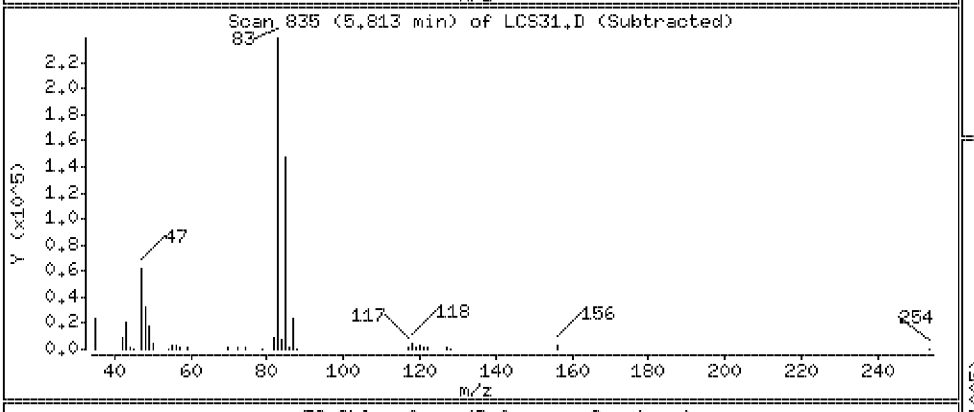
Column phase: DB-624

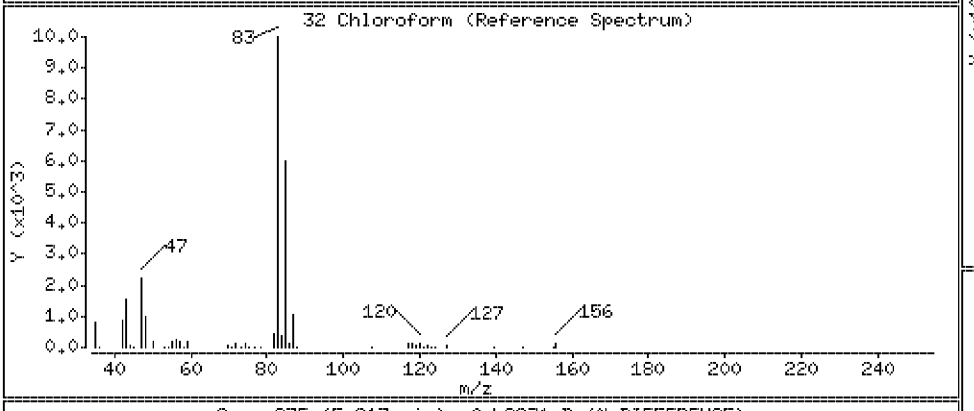
Column diameter: 0.18

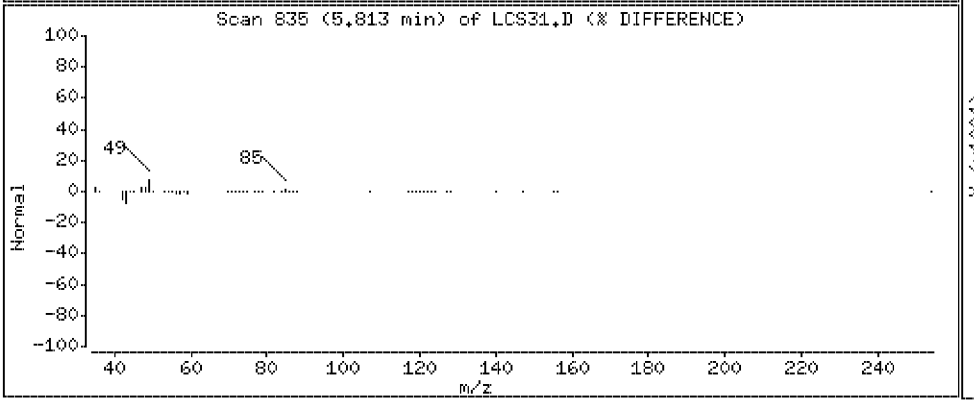
32 Chloroform

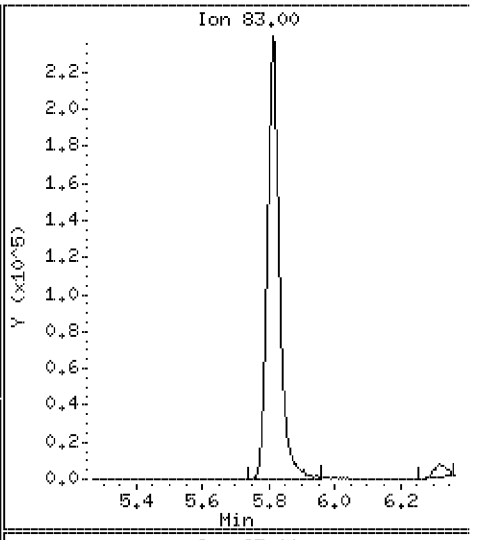
Concentration: 21.2 ug/l

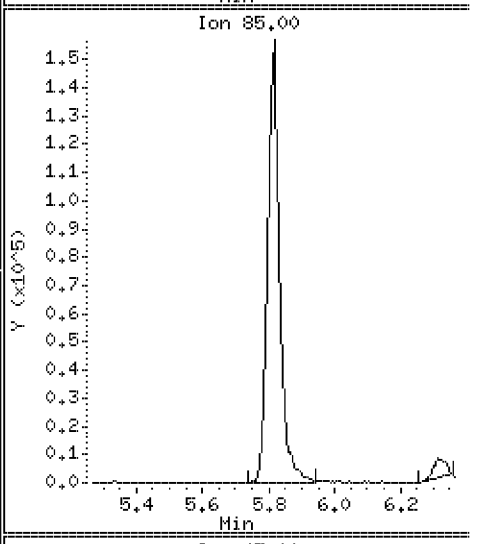


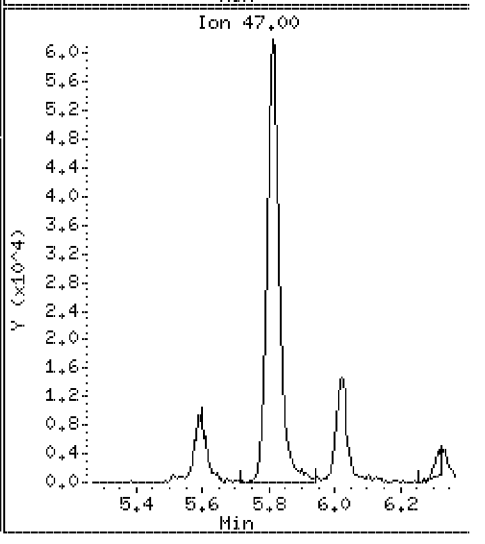












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

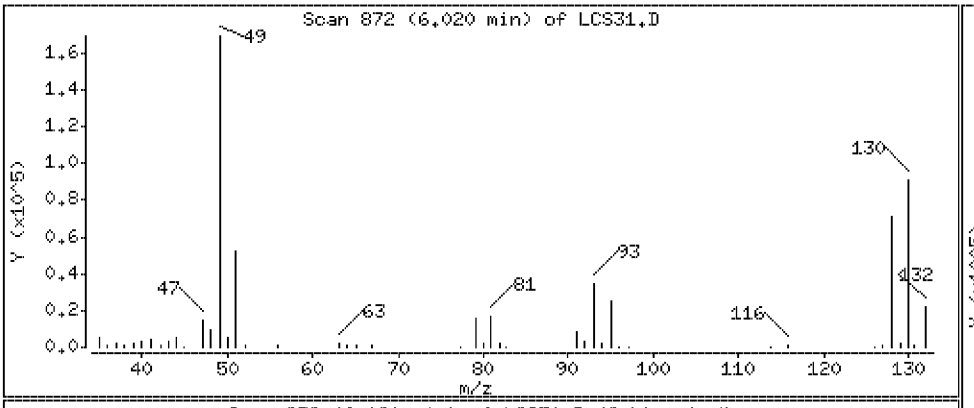
Client ID: 121709LCSA31 Instrument: vms03.i

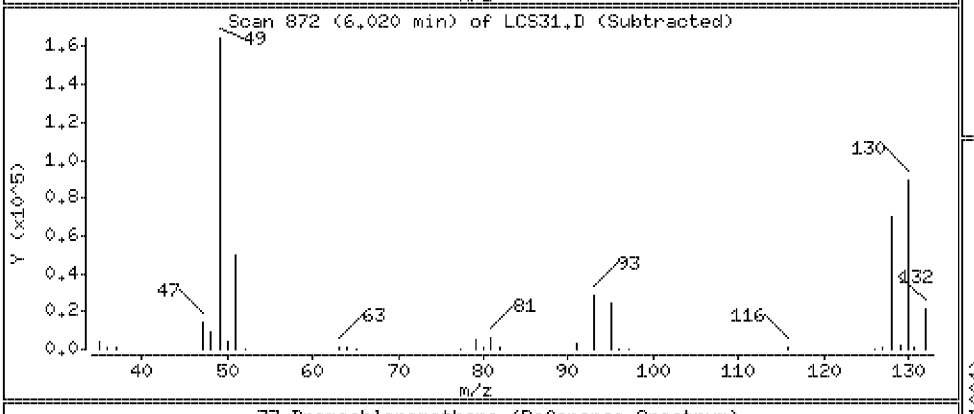
Sample Info: 121709LCSA31

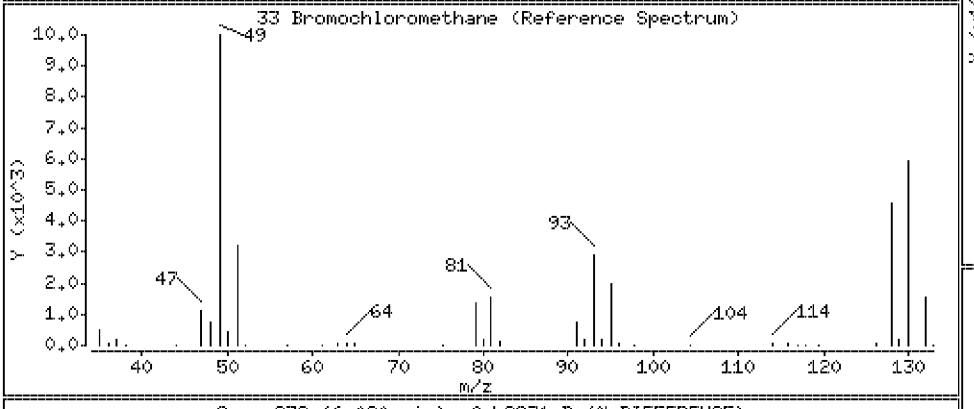
Purge Volume: 5.0 Operator:

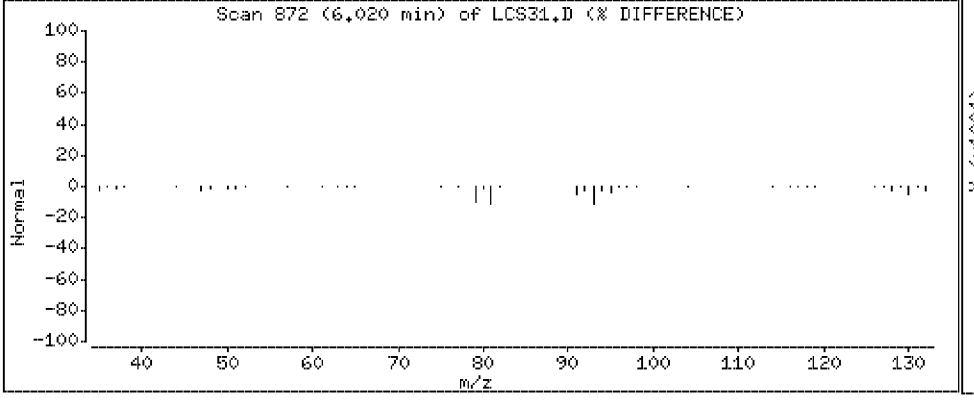
Column phase: DB-624 Column diameter: 0.18

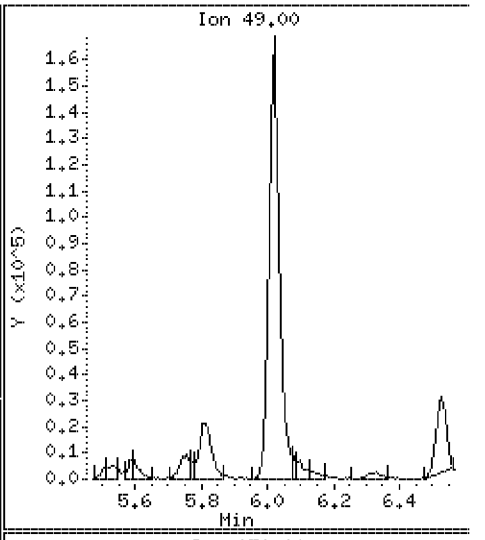
33 Bromochloromethane Concentration: 21.0 ug/l

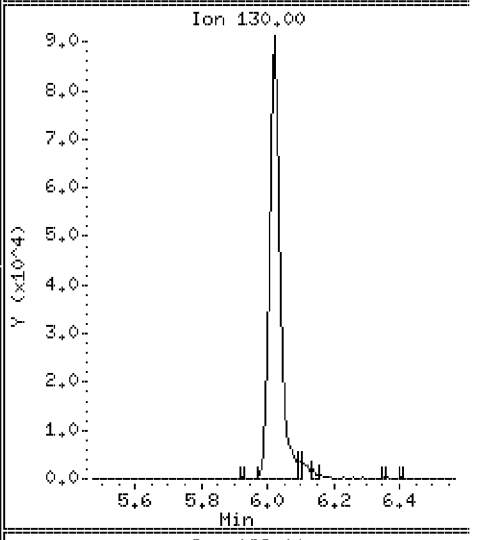


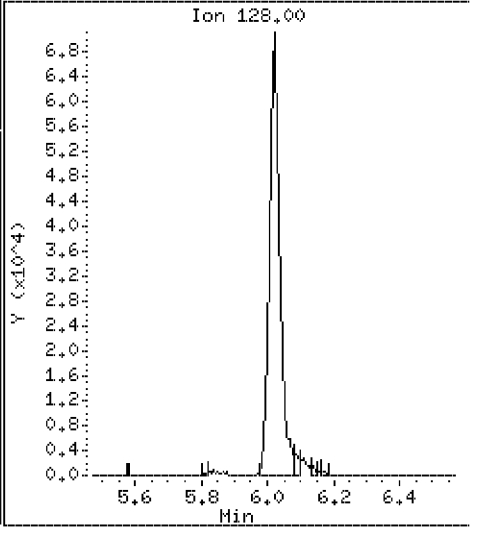












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

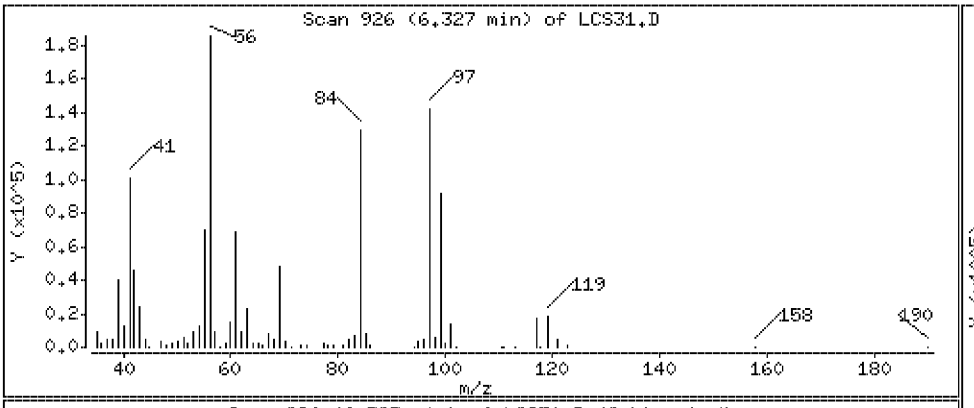
Client ID: 121709LCSA31 Instrument: vms03.i

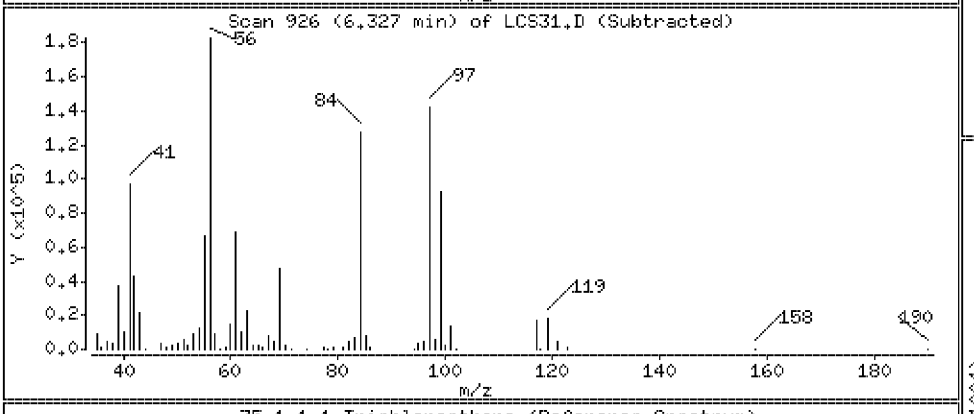
Sample Info: 121709LCSA31

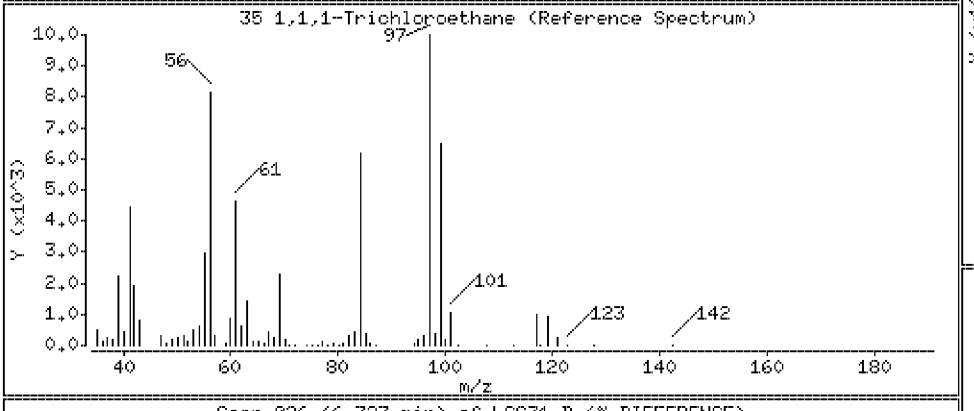
Purge Volume: 5.0 Operator:

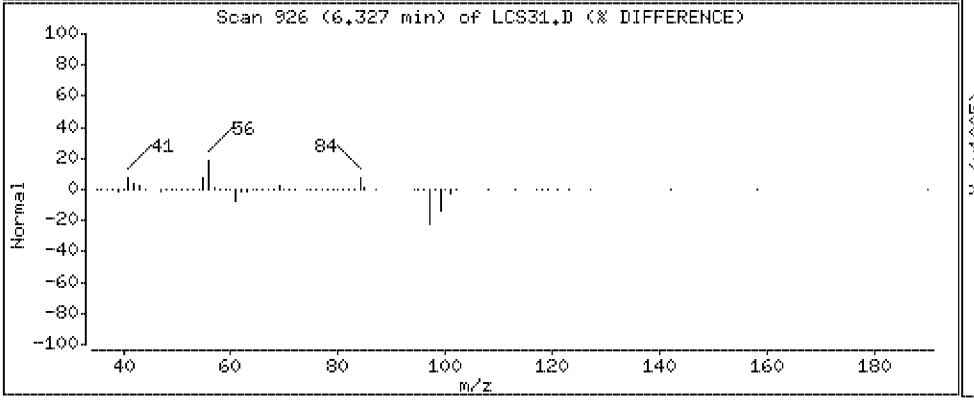
Column phase: DB-624 Column diameter: 0.18

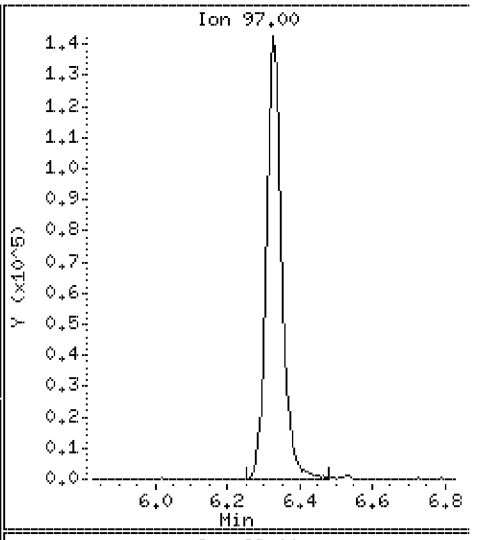
35 1,1,1-Trichloroethane Concentration: 21.5 ug/l

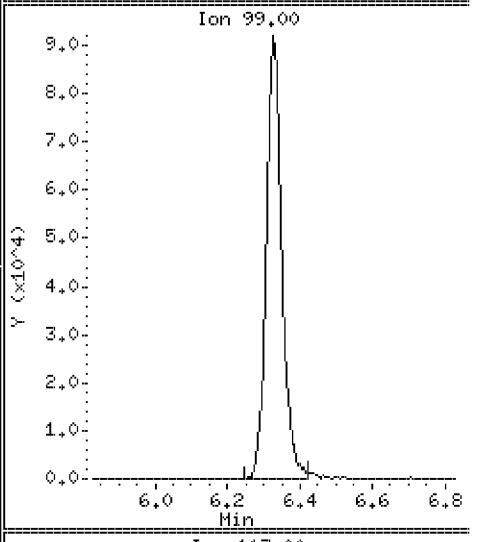


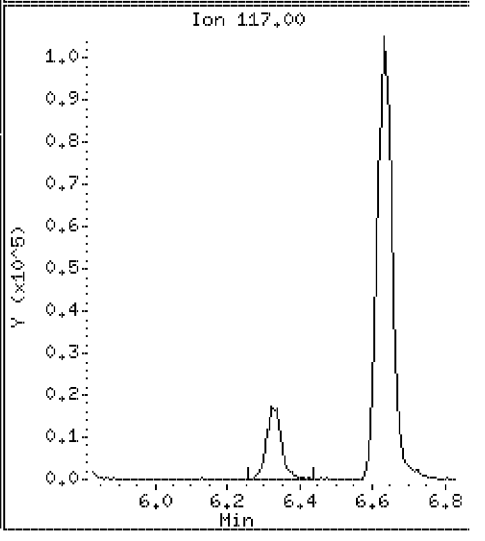












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

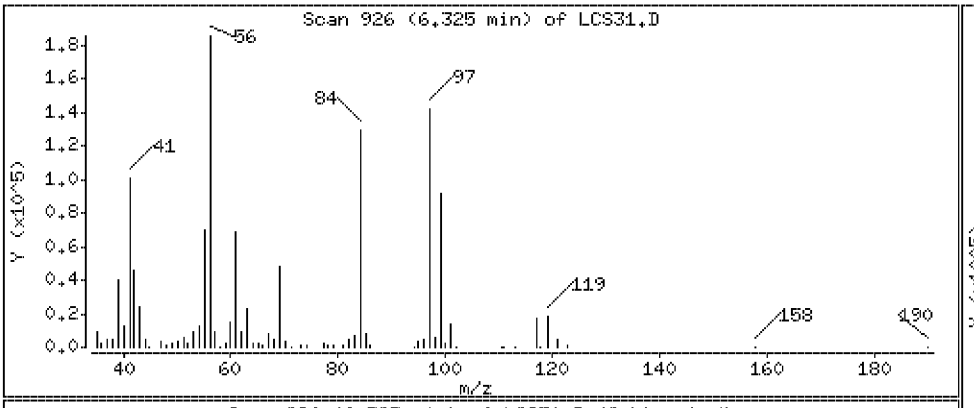
Client ID: 121709LCSA31 | Instrument: vms03.i

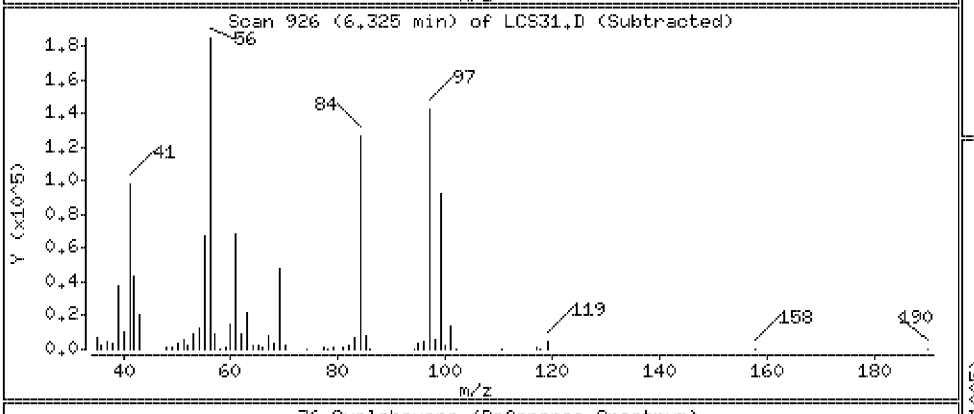
Sample Info: 121709LCSA31

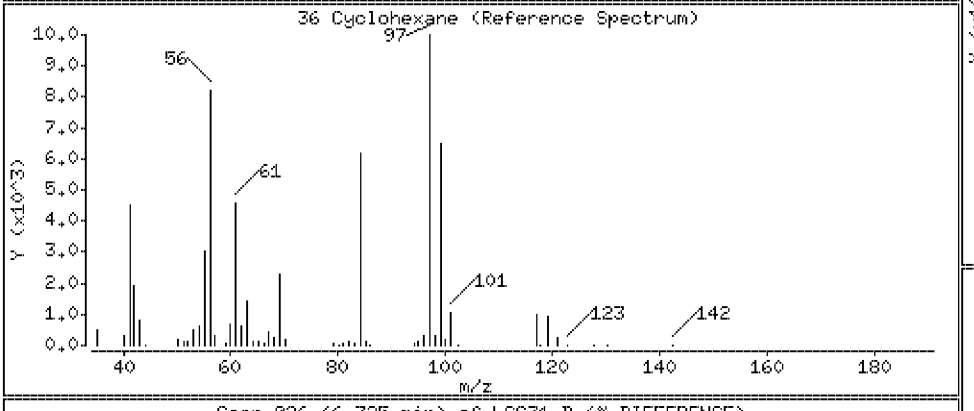
Purge Volume: 5.0 | Operator:

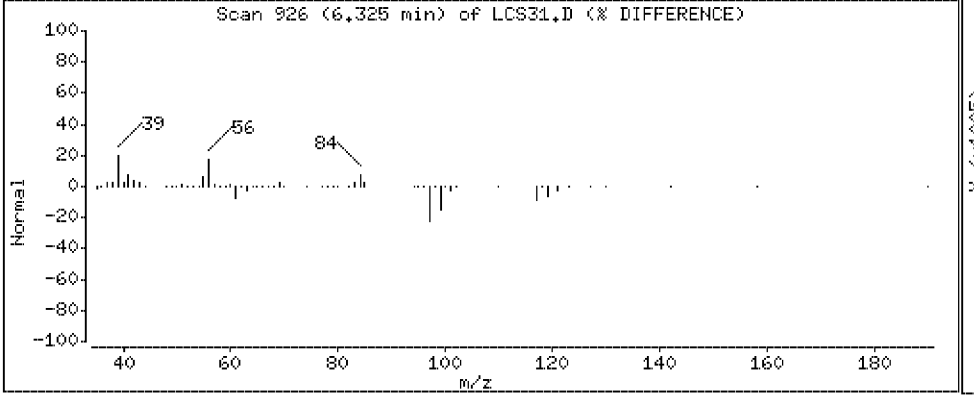
Column phase: DB-624 | Column diameter: 0.18

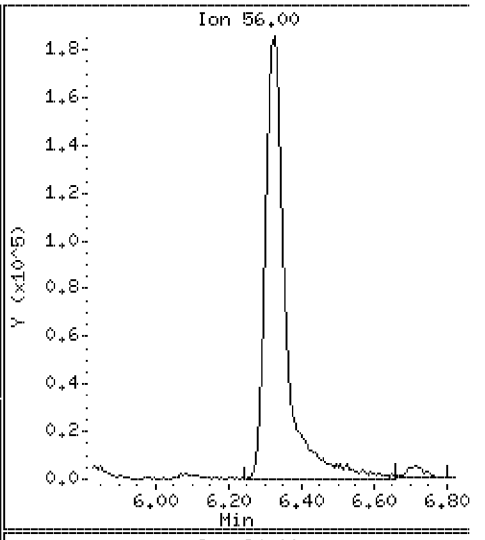
36 Cyclohexane | Concentration: 22.5 ug/l

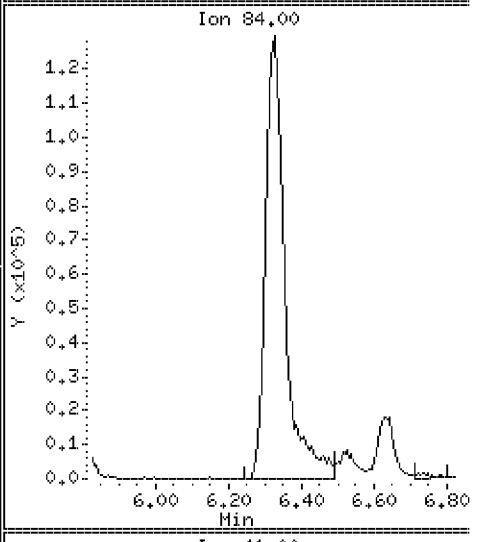


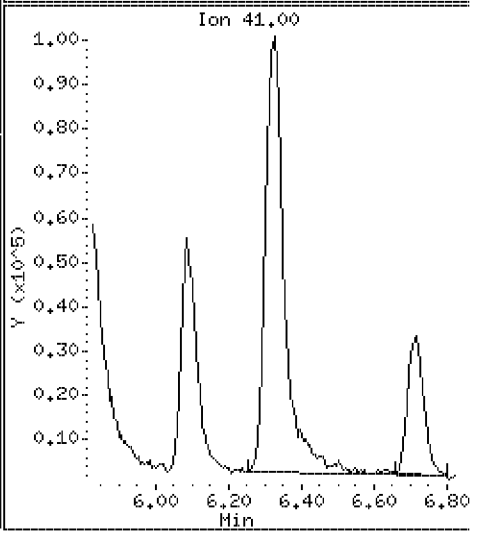












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

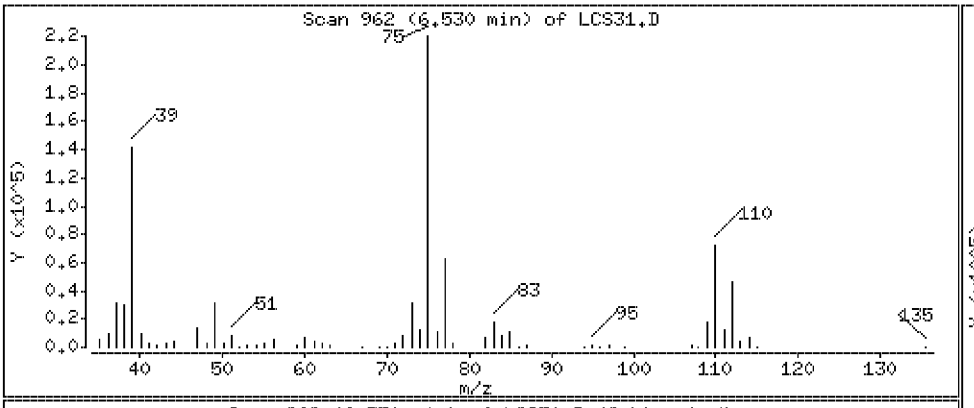
Client ID: 121709LCSA31 Instrument: vms03.i

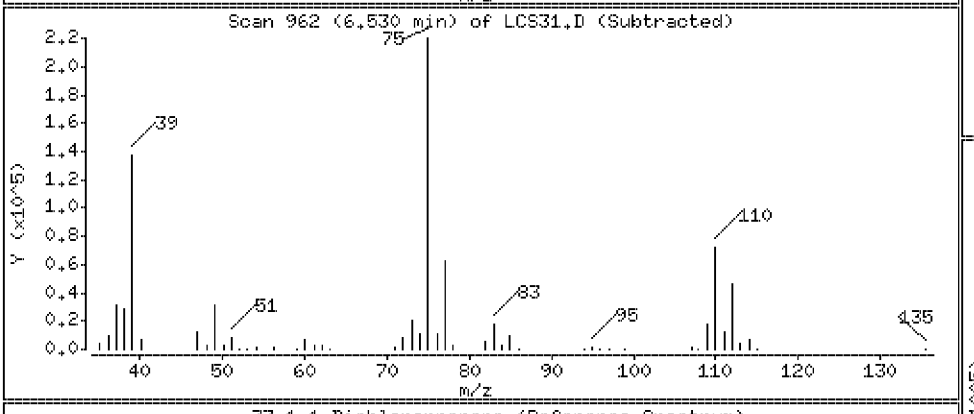
Sample Info: 121709LCSA31

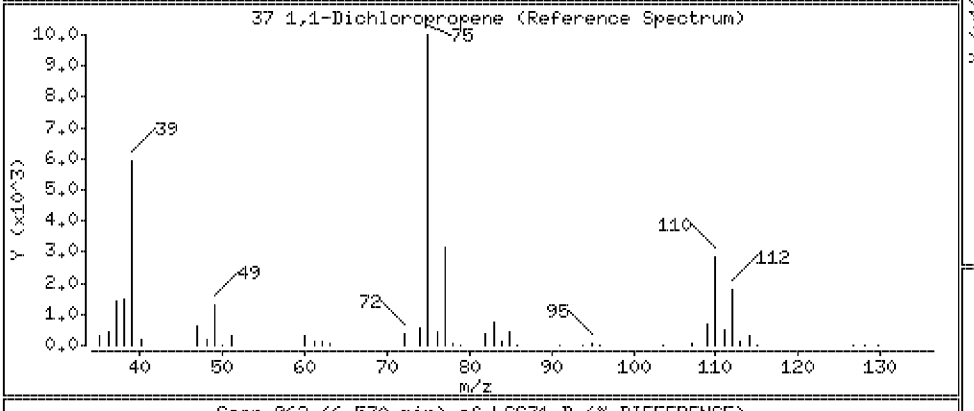
Purge Volume: 5.0 Operator:

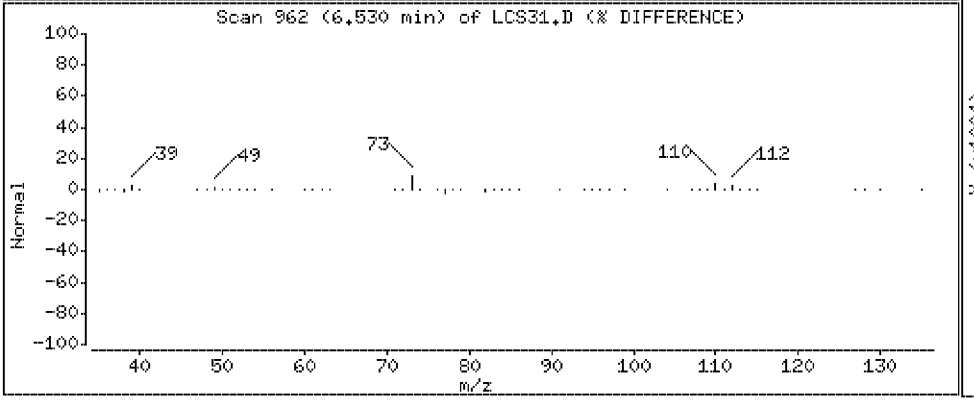
Column phase: DB-624 Column diameter: 0.18

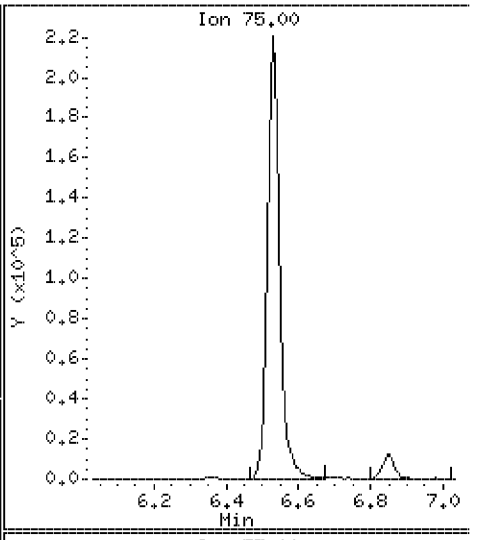
37 1,1-Dichloropropene Concentration: 22.6 ug/l

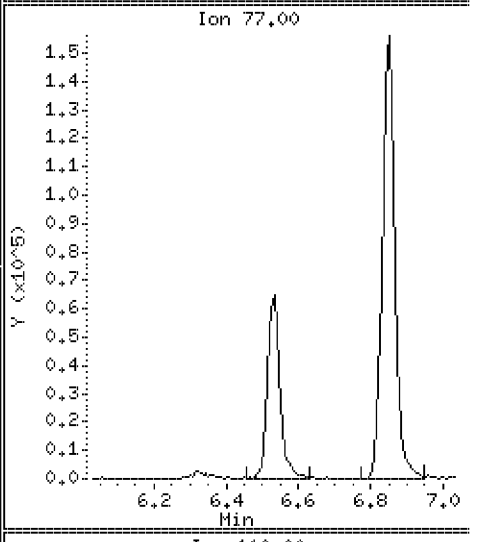


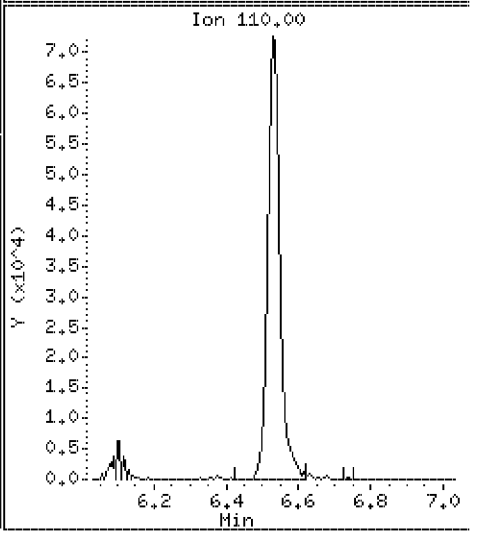












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

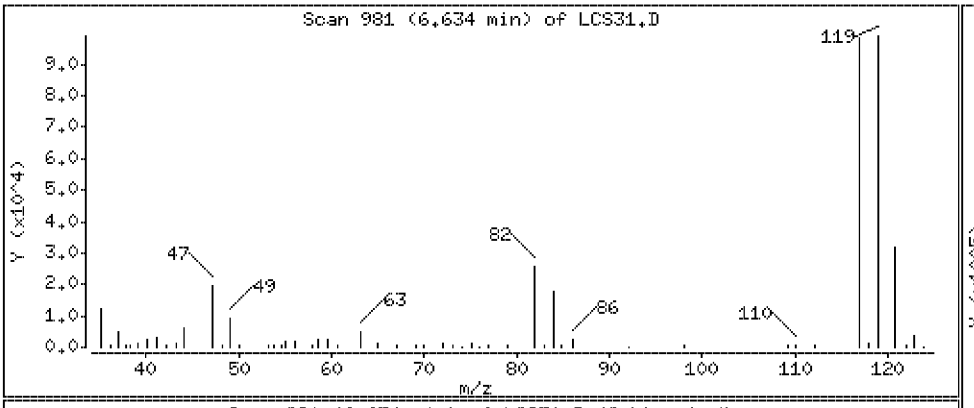
Operator:

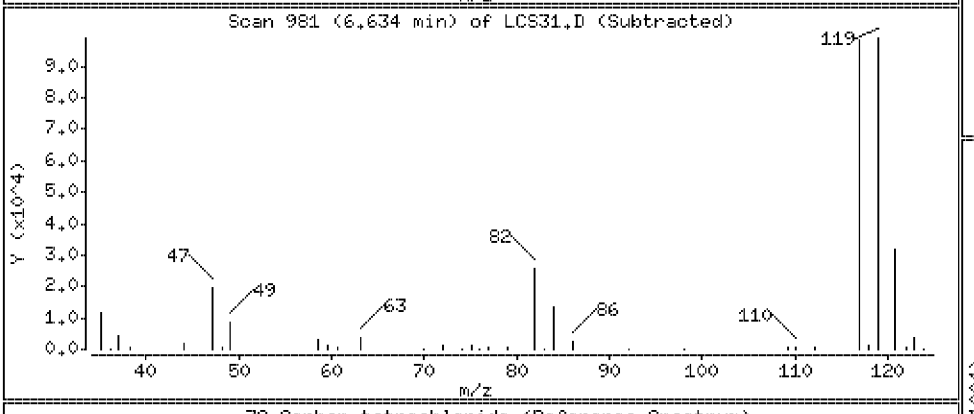
Column phase: DB-624

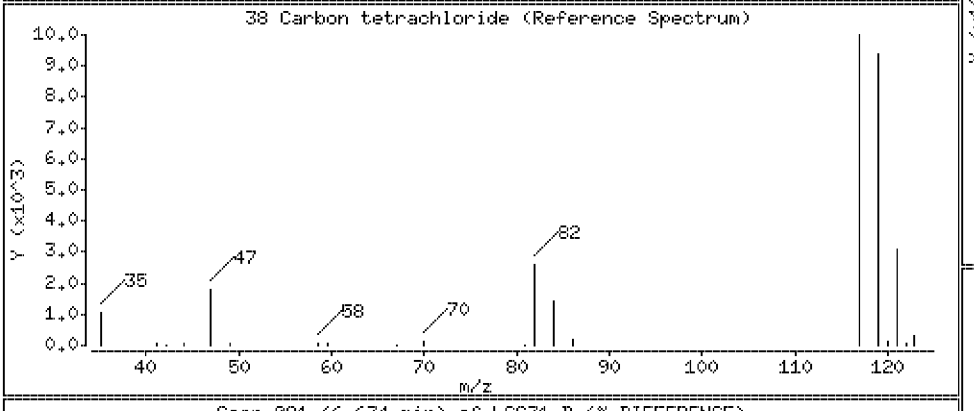
Column diameter: 0.18

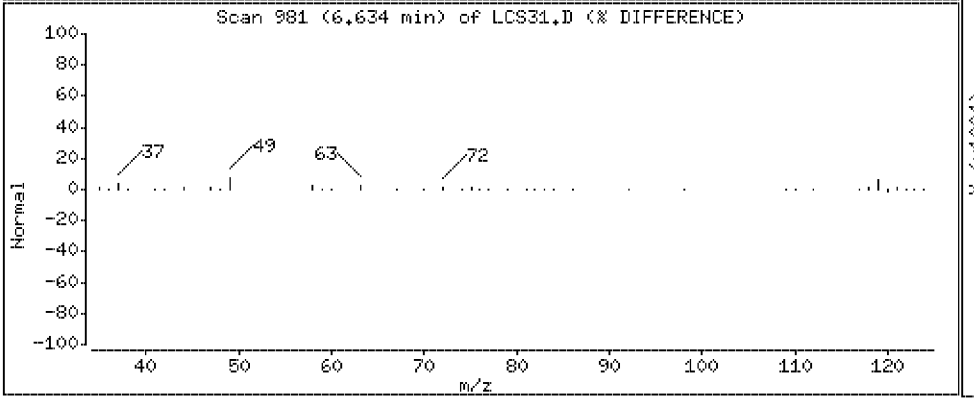
38 Carbon tetrachloride

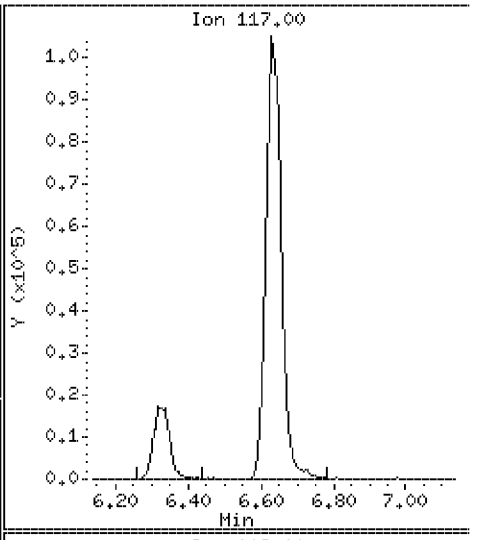
Concentration: 20.4 ug/l

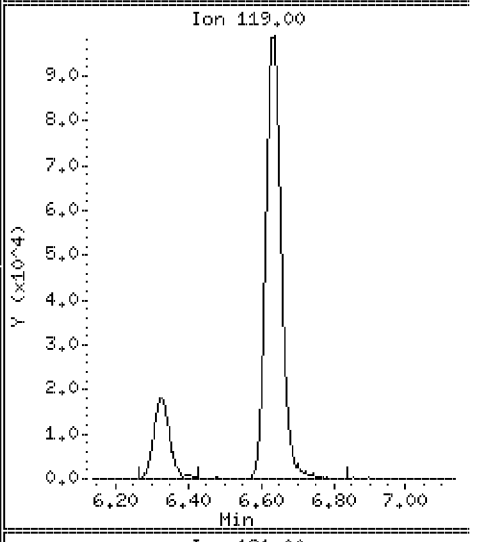


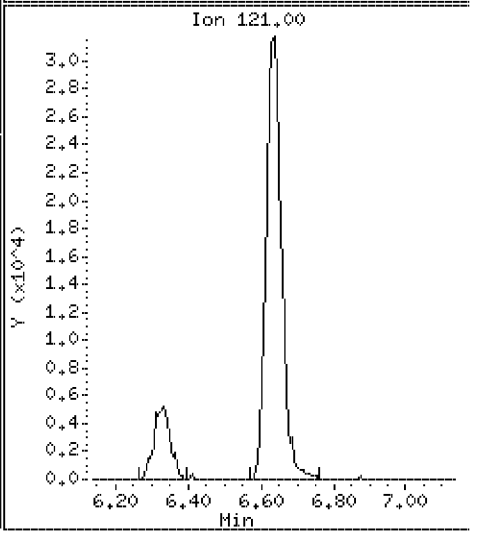












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

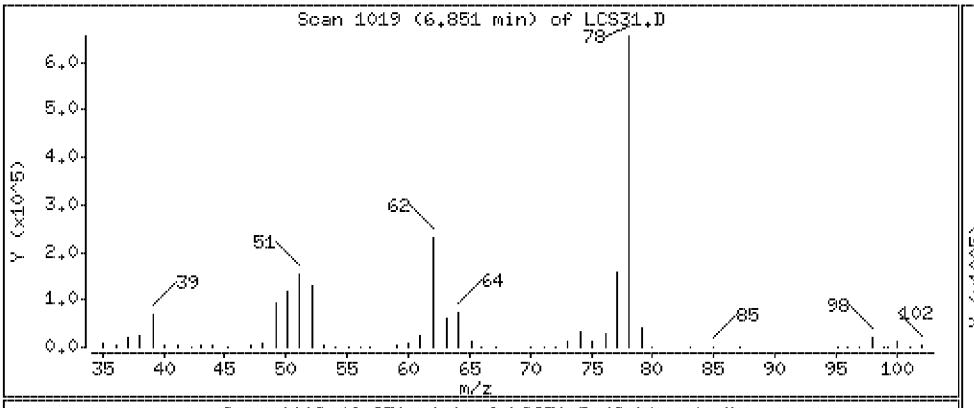
Client ID: 121709LCSA31 Instrument: vms03.i

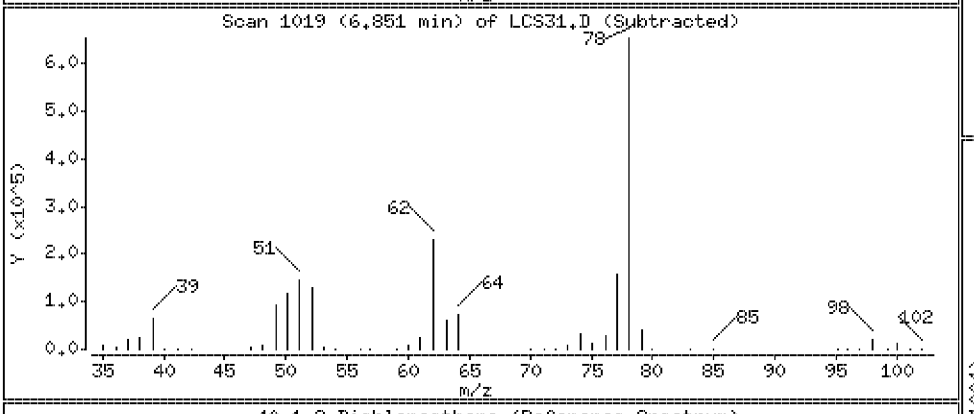
Sample Info: 121709LCSA31

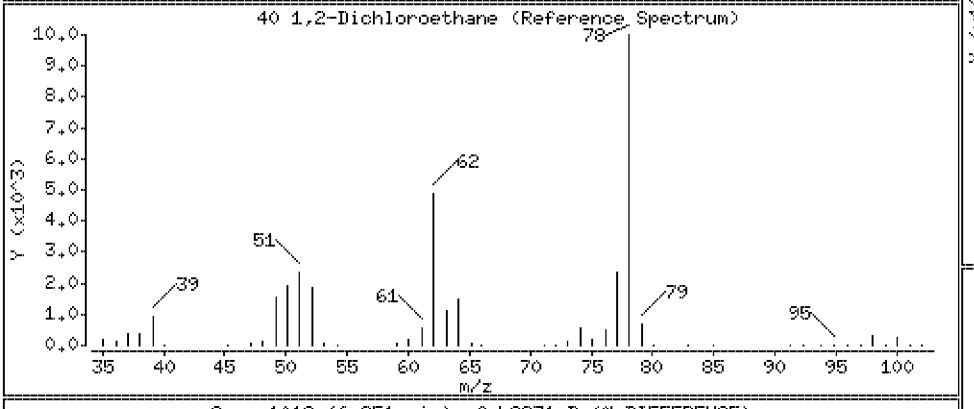
Purge Volume: 5.0 Operator:

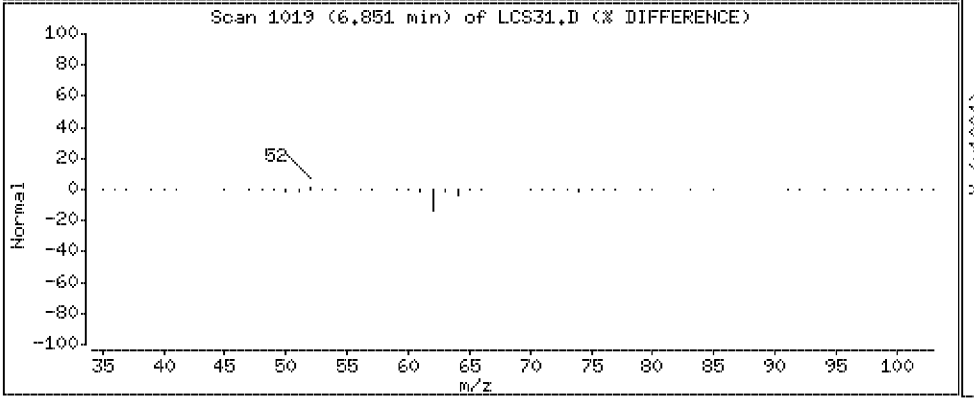
Column phase: DB-624 Column diameter: 0.18

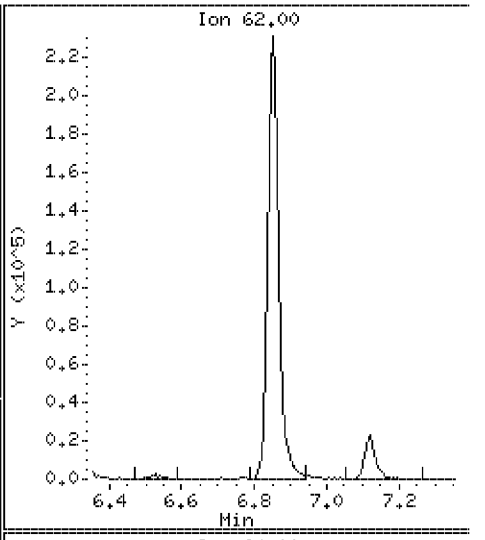
40 1,2-Dichloroethane Concentration: 20.2 ug/l

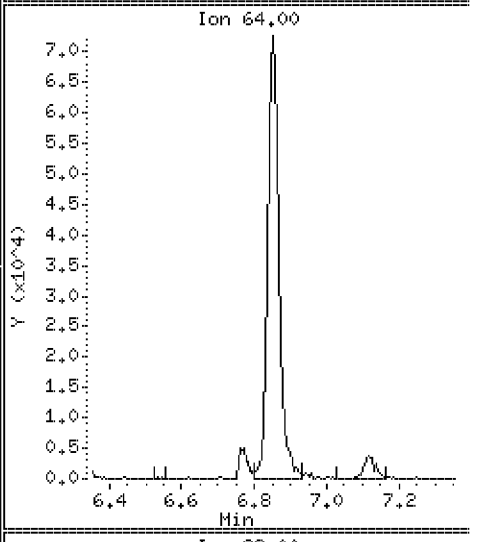


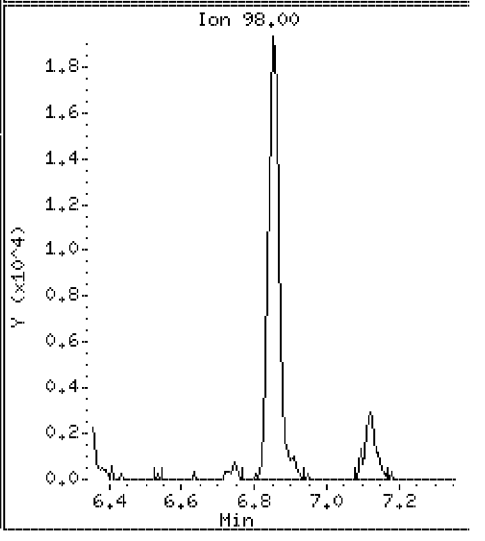












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

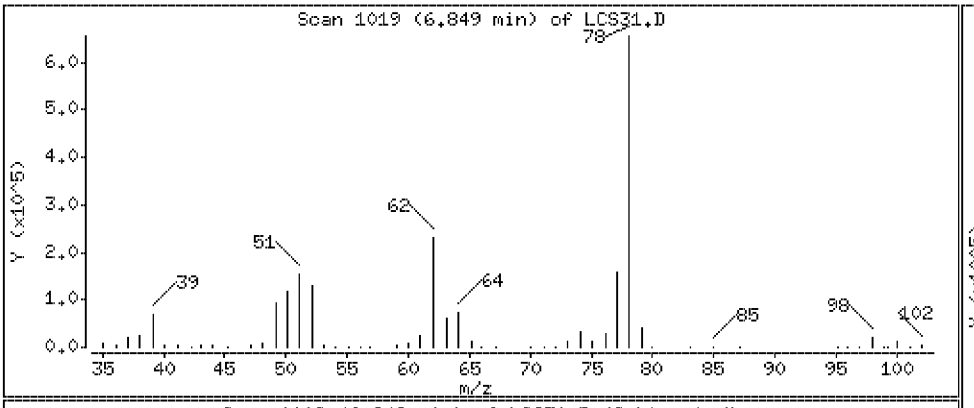
Operator:

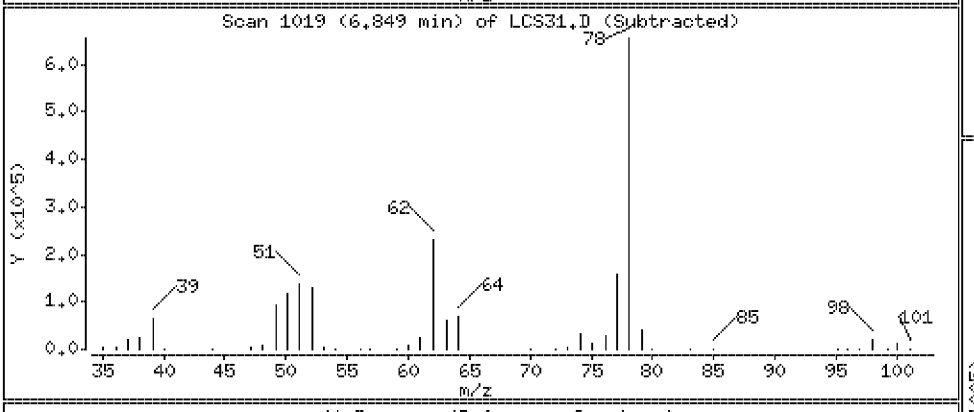
Column phase: DB-624

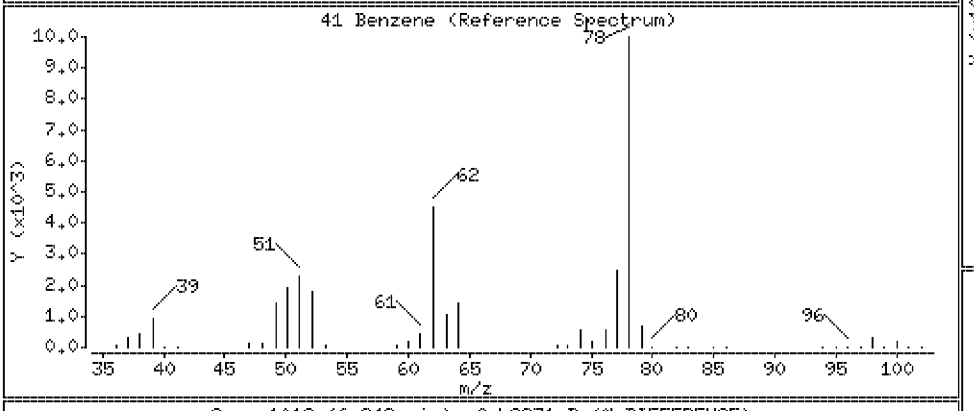
Column diameter: 0.18

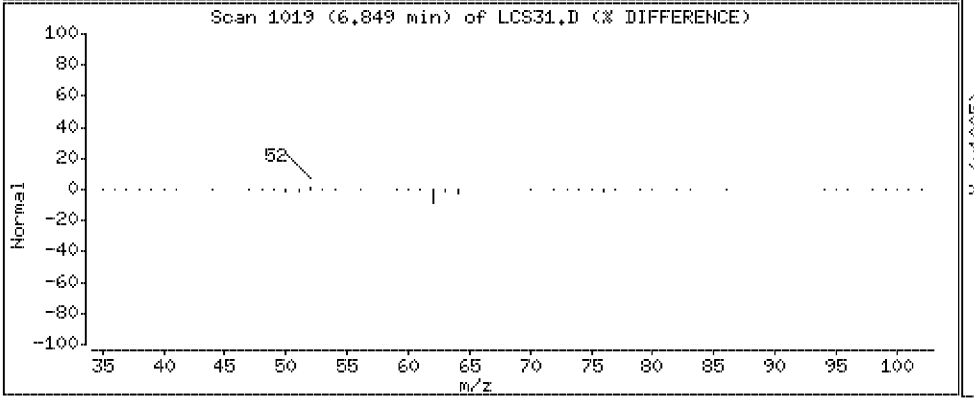
41 Benzene

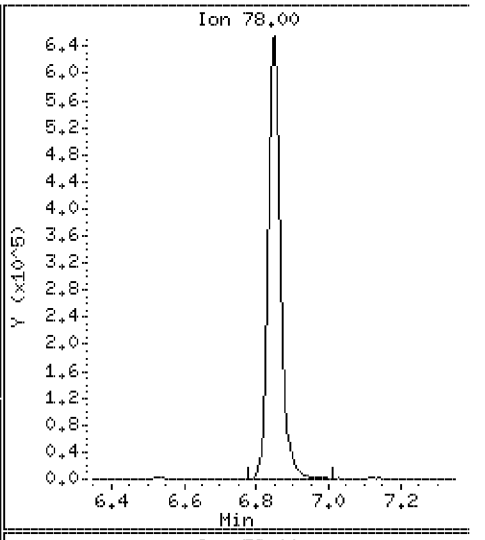
Concentration: 20.9 ug/l

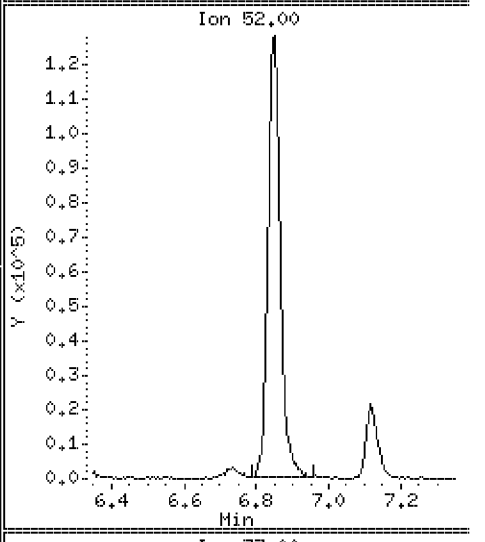


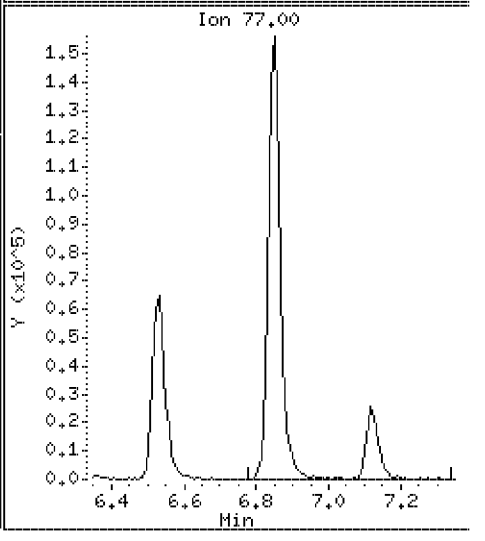












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

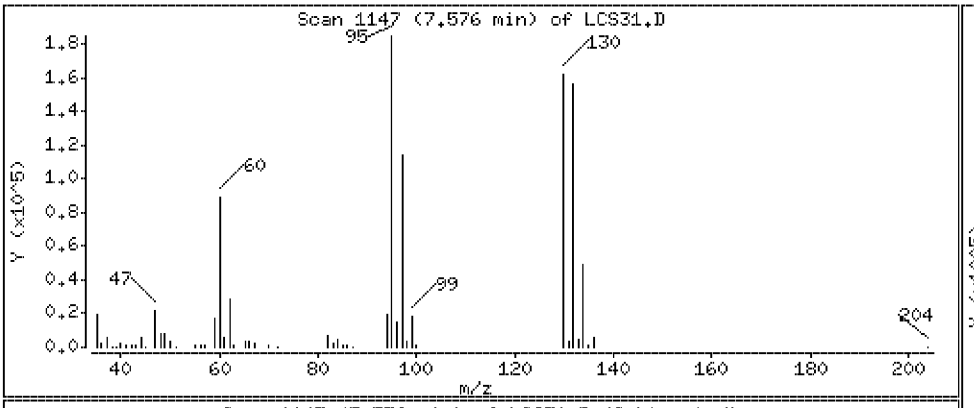
Operator:

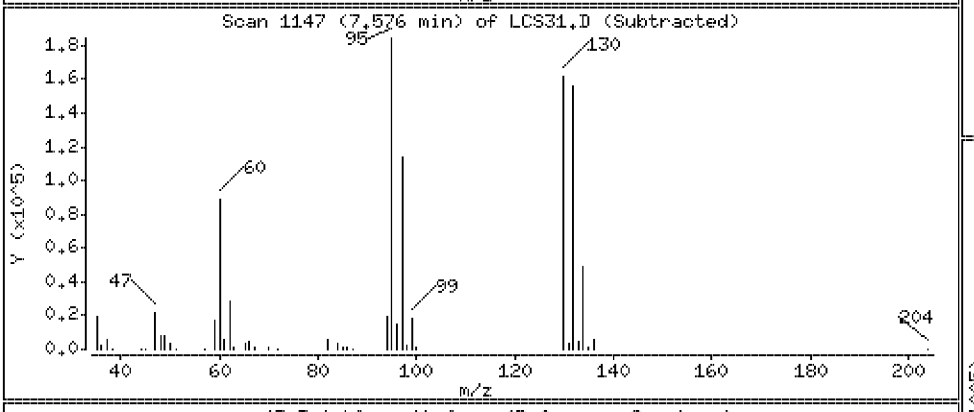
Column phase: DB-624

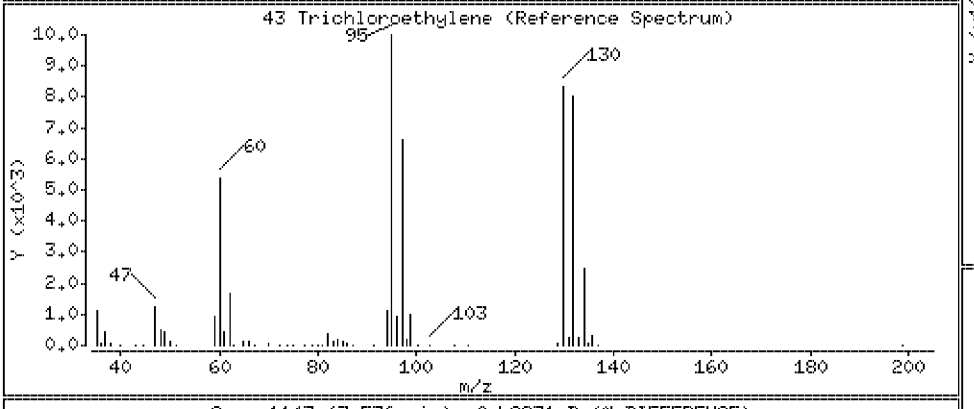
Column diameter: 0.18

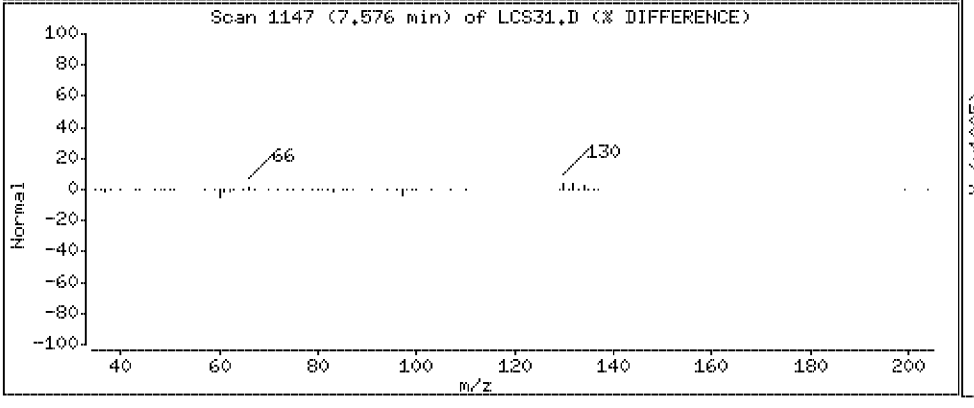
43 Trichloroethylene

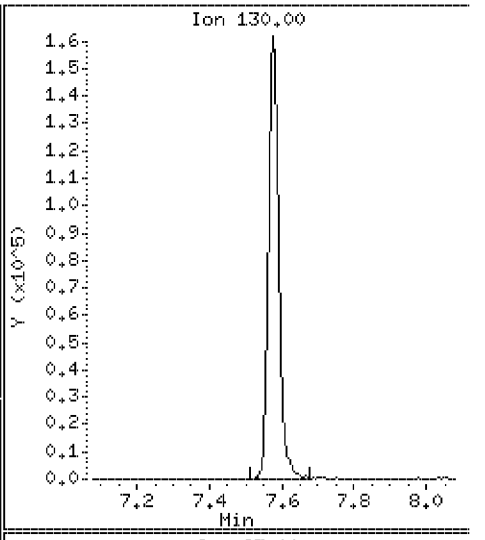
Concentration: 21.1 ug/l

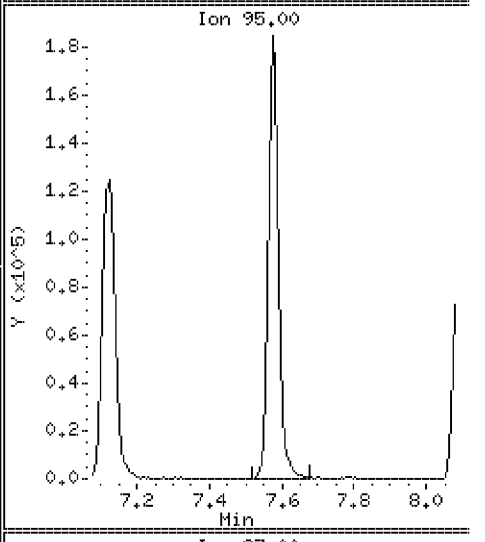


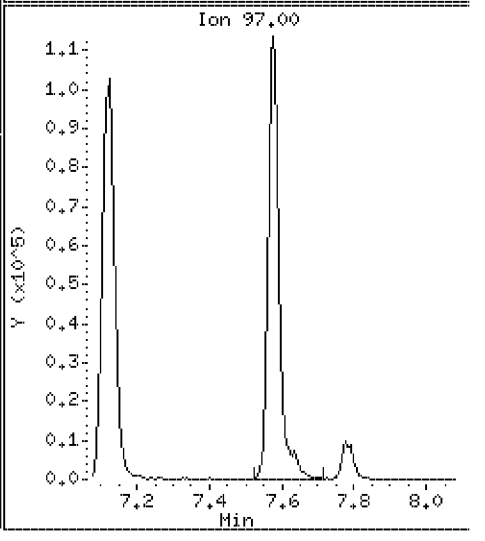












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

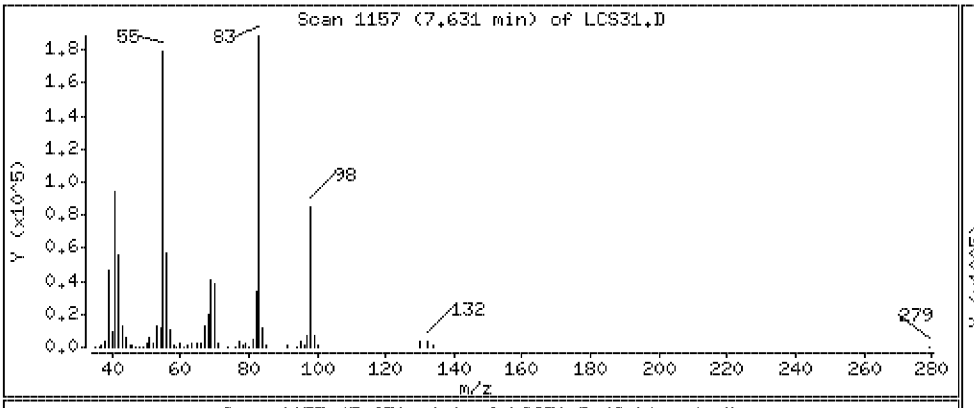
Operator:

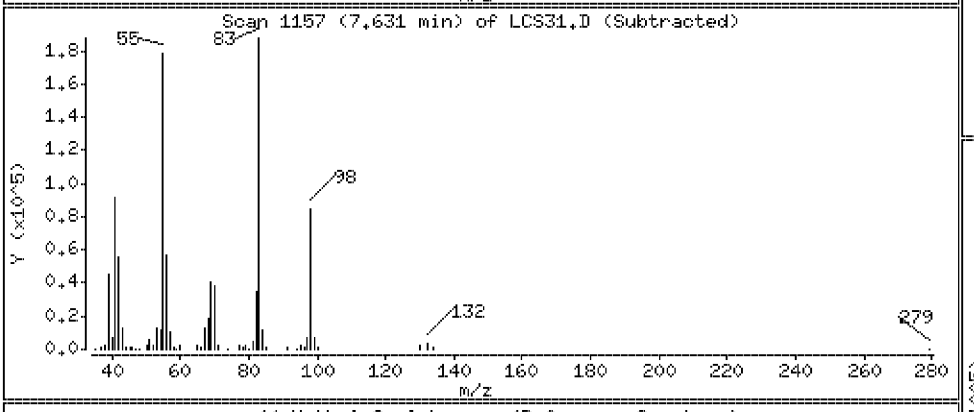
Column phase: DB-624

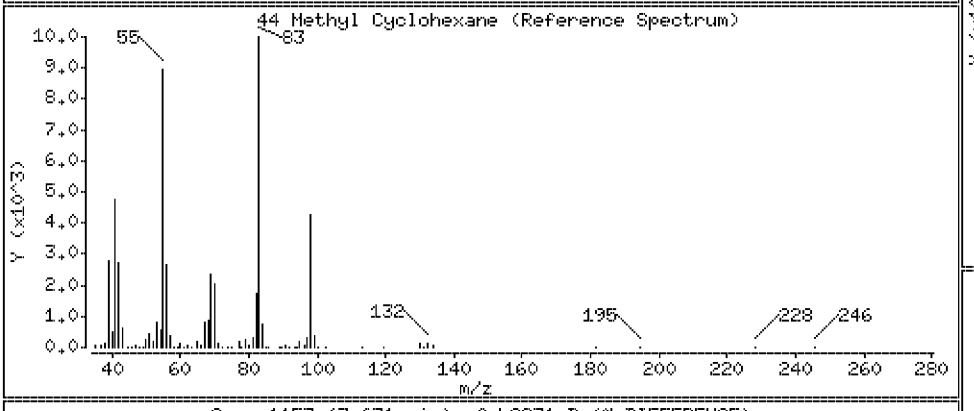
Column diameter: 0.18

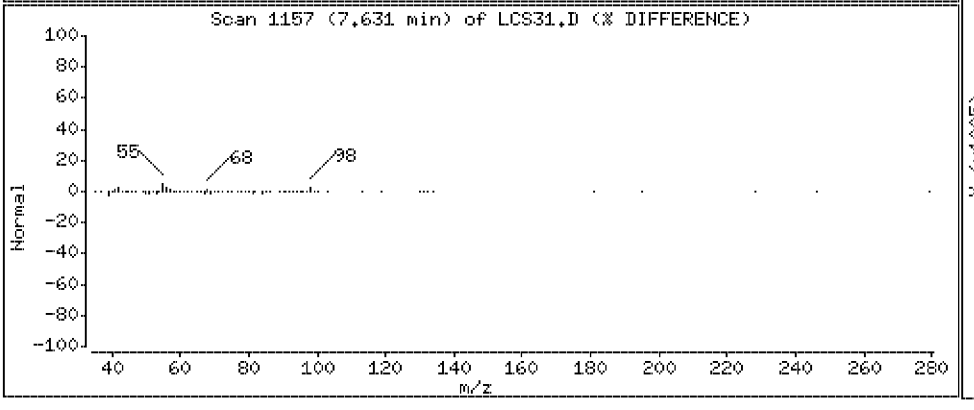
44 Methyl Cyclohexane

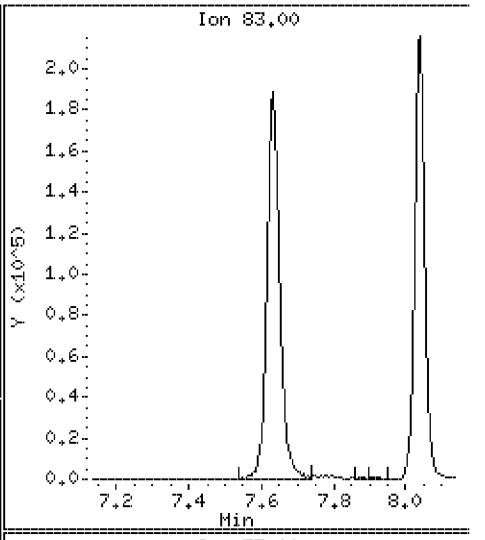
Concentration: 21.6 ug/l

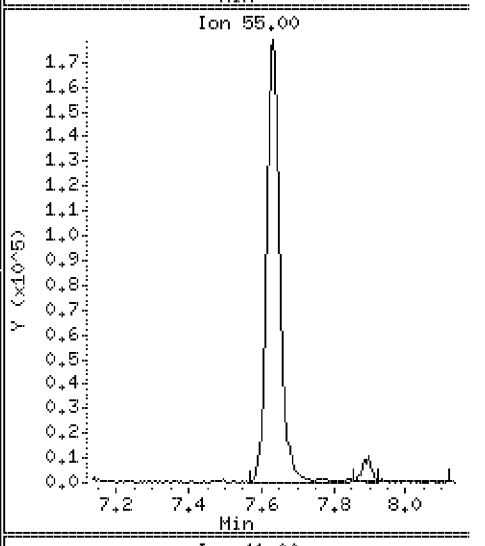


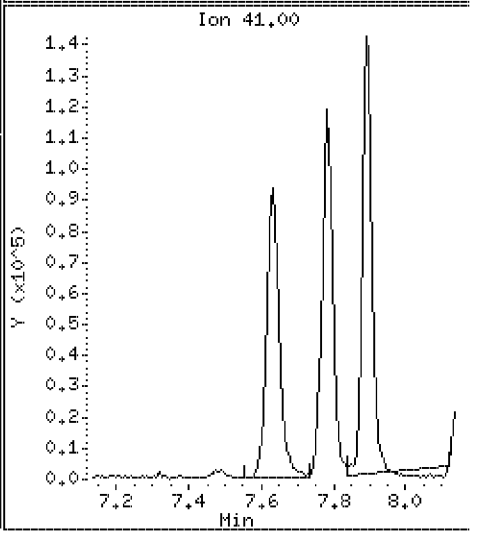












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

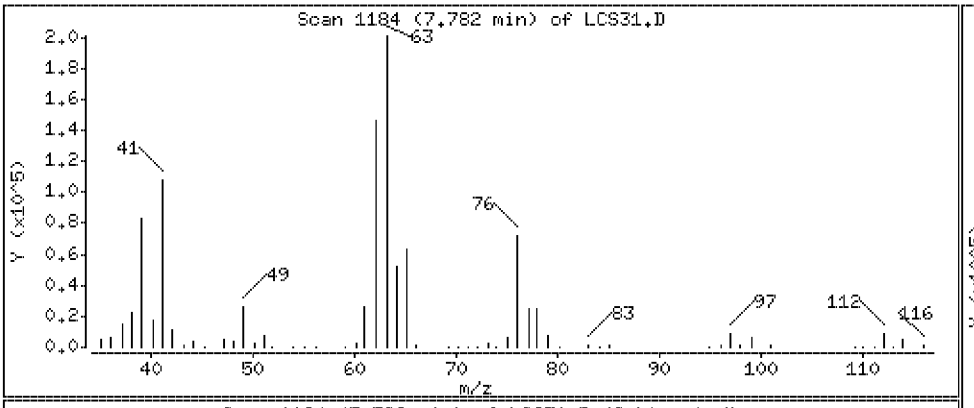
Client ID: 121709LCSA31 Instrument: vms03.i

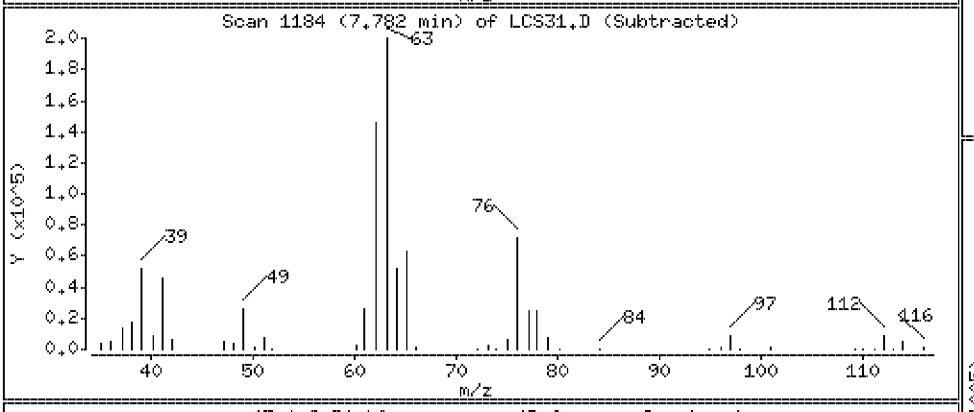
Sample Info: 121709LCSA31

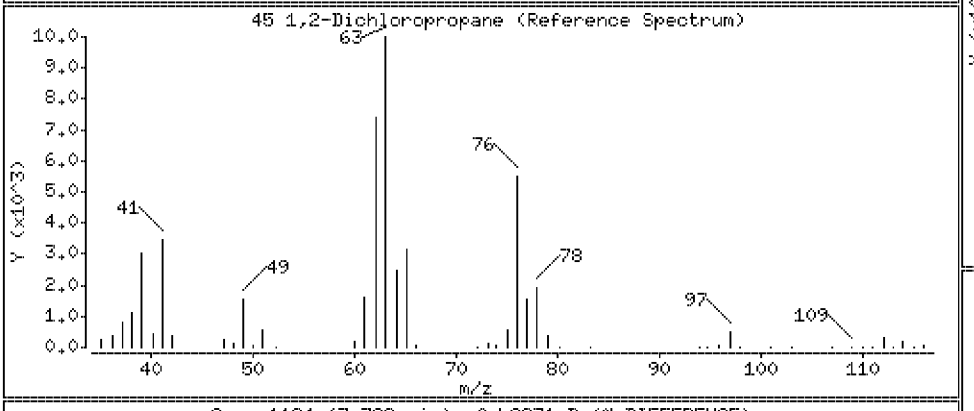
Purge Volume: 5.0 Operator:

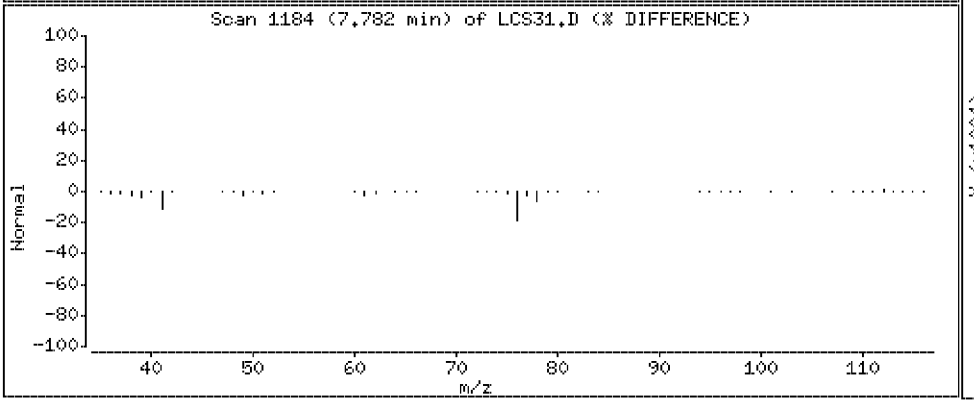
Column phase: DB-624 Column diameter: 0.18

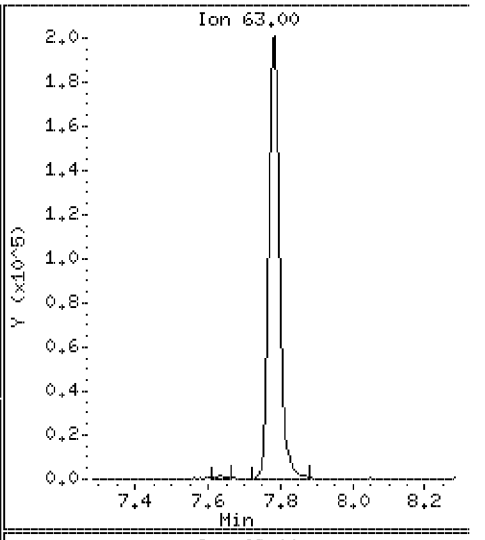
45 1,2-Dichloropropane Concentration: 20.7 ug/l

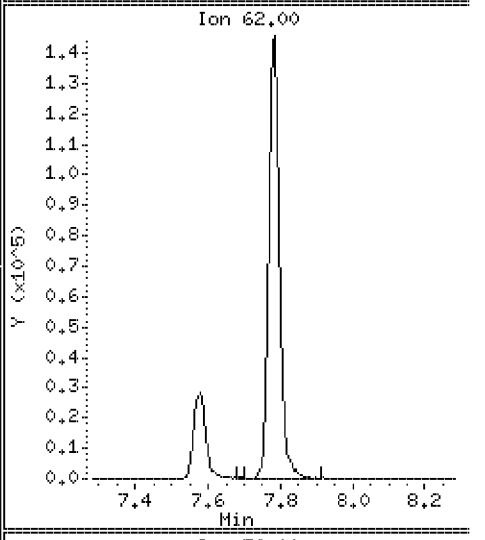


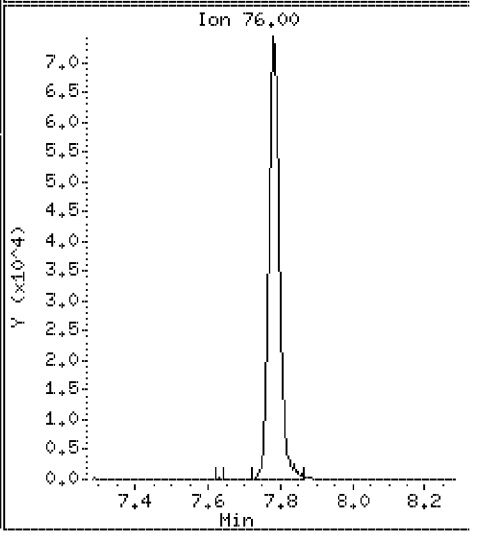












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

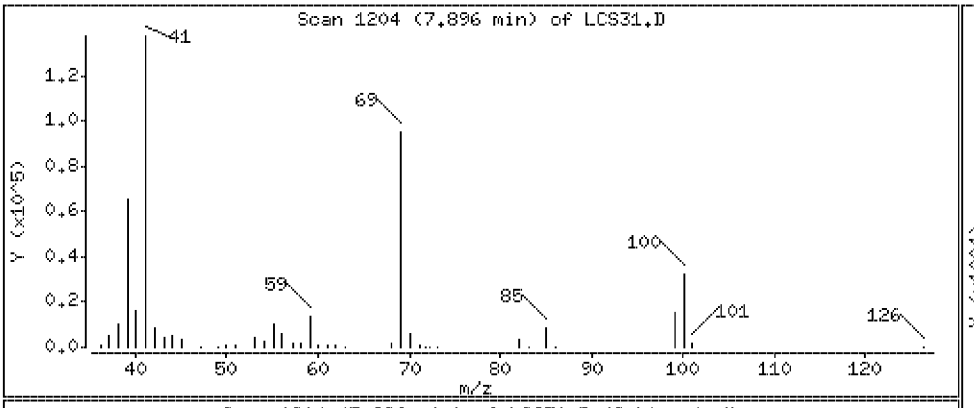
Client ID: 121709LCSA31 Instrument: vms03.i

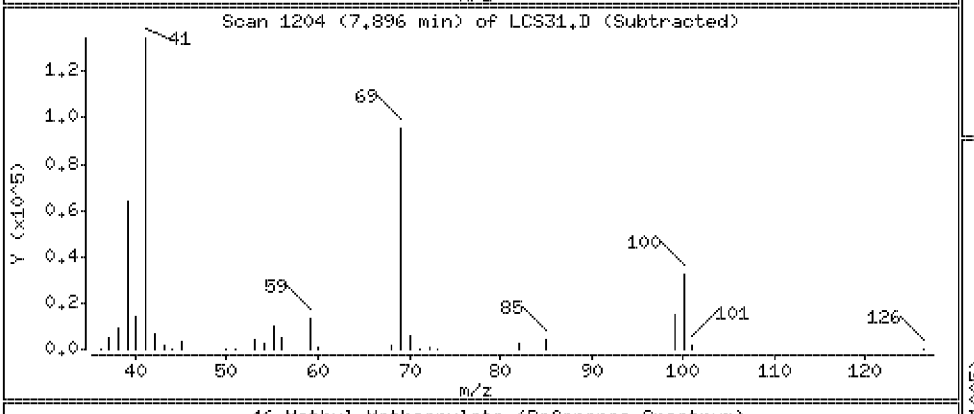
Sample Info: 121709LCSA31

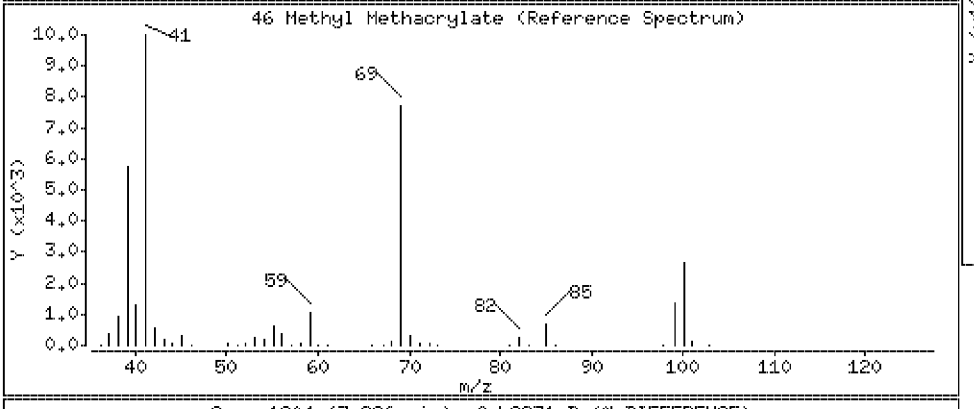
Purge Volume: 5.0 Operator:

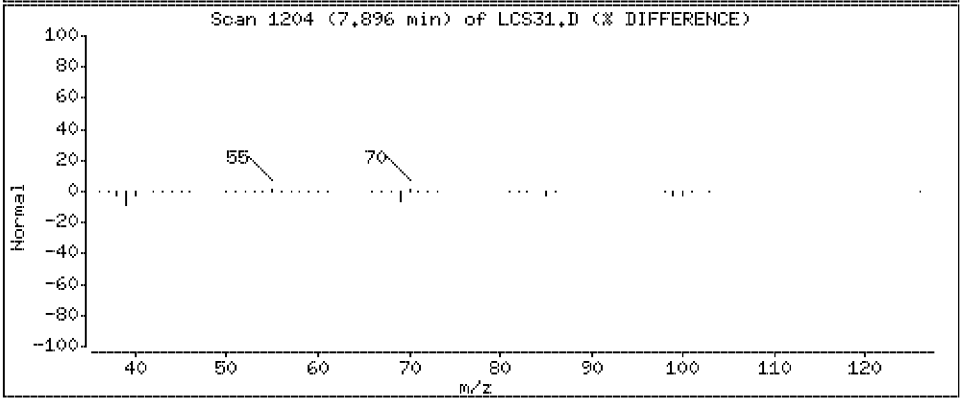
Column phase: DB-624 Column diameter: 0.18

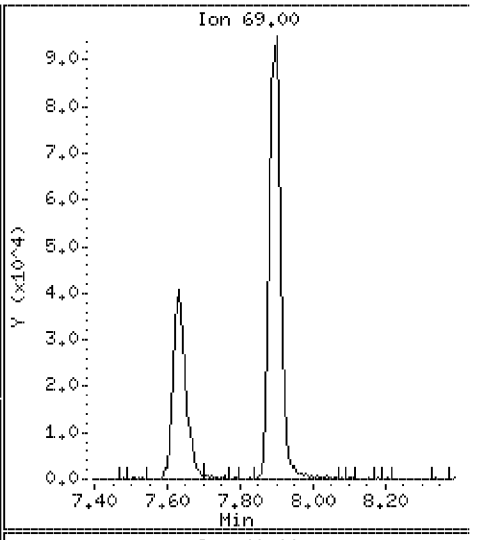
46 Methyl Methacrylate Concentration: 20.2 ug/l

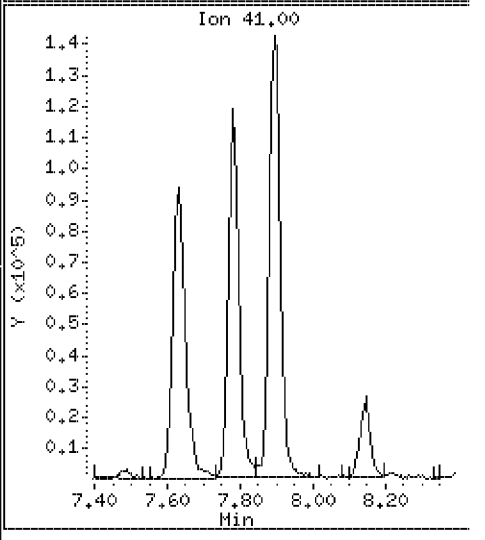












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

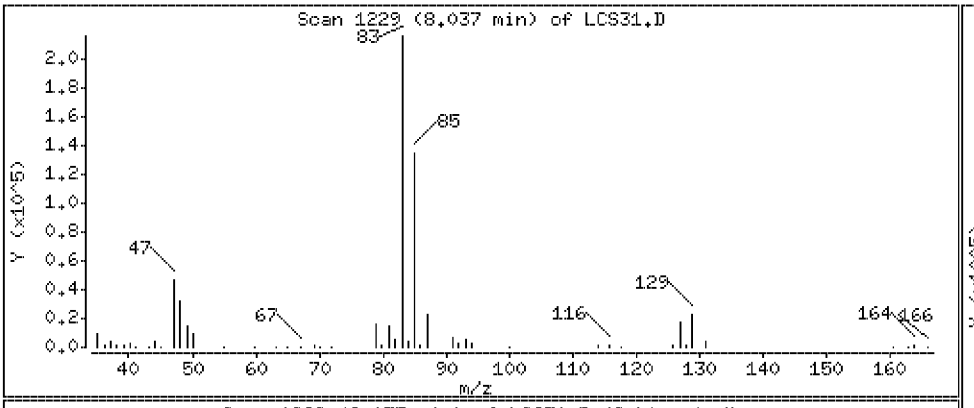
Client ID: 121709LCSA31 Instrument: vms03.i

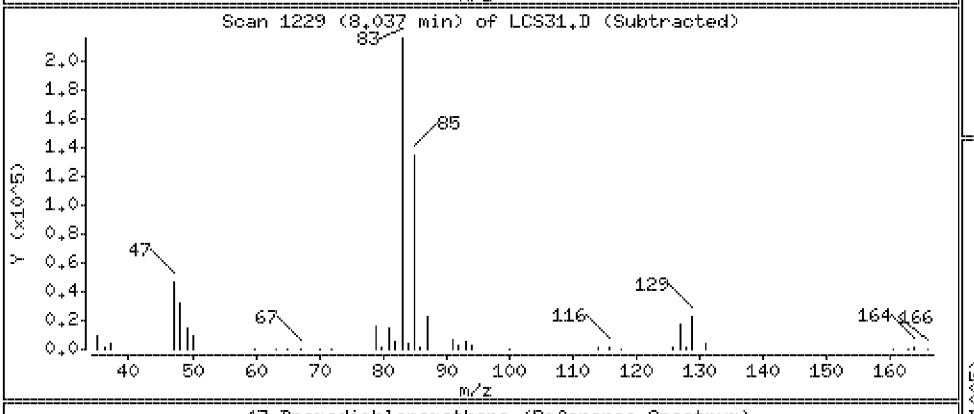
Sample Info: 121709LCSA31

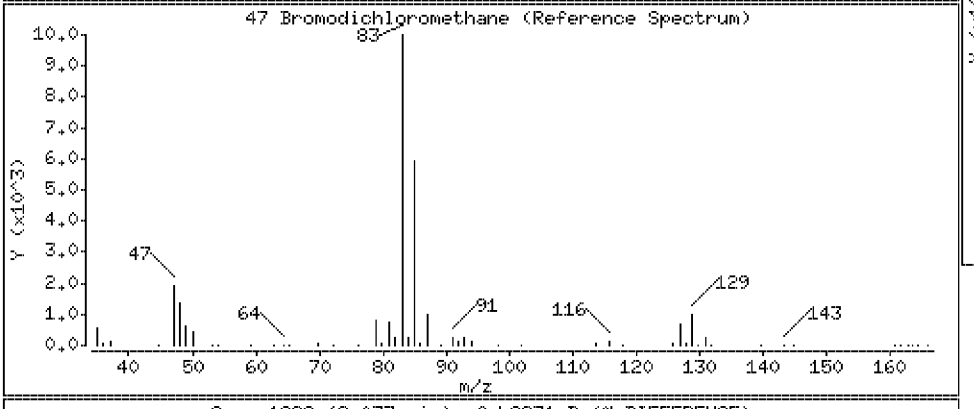
Purge Volume: 5.0 Operator:

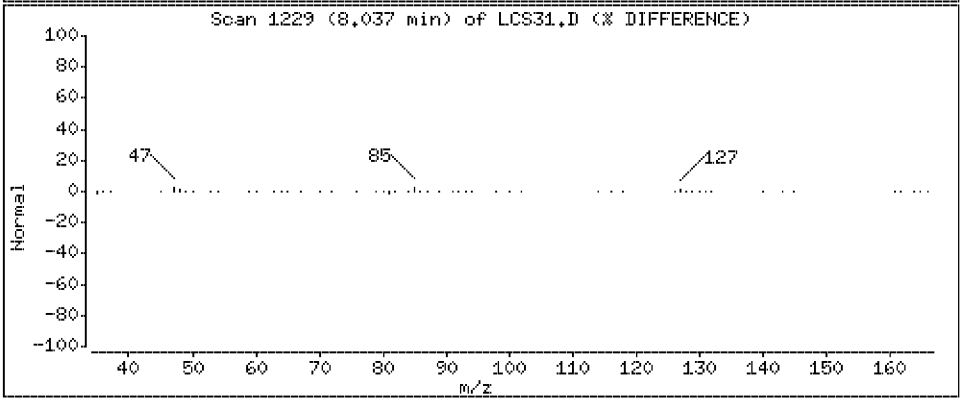
Column phase: DB-624 Column diameter: 0.18

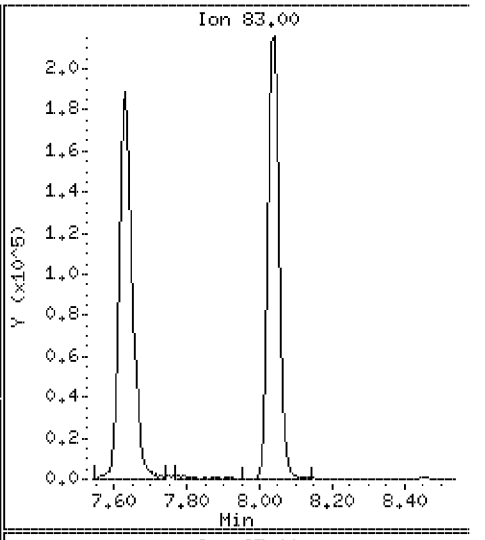
47 Bromodichloromethane Concentration: 21.0 ug/l

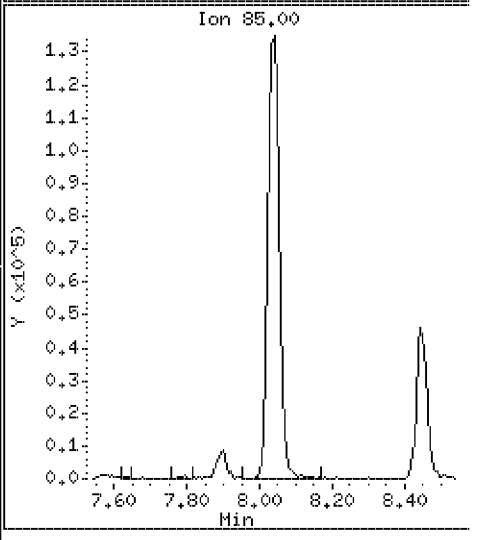












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

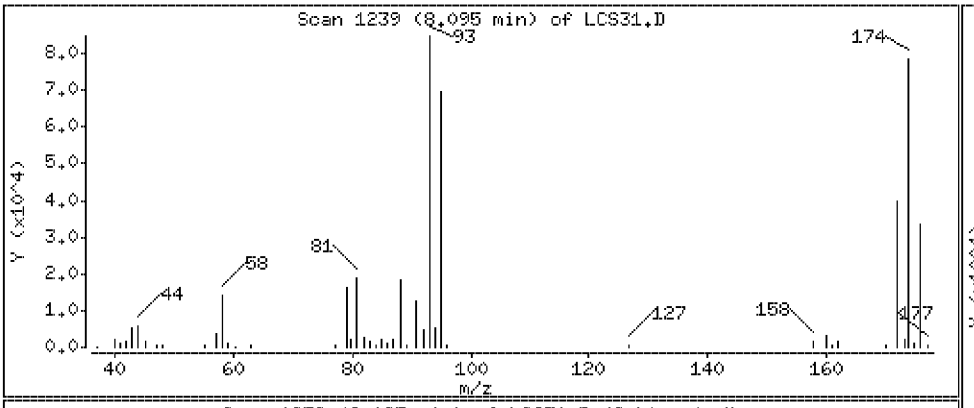
Client ID: 121709LCSA31 Instrument: vms03.i

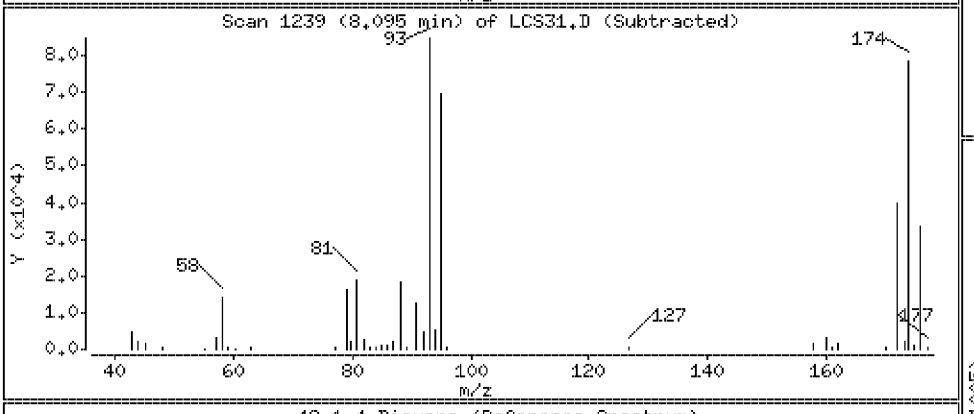
Sample Info: 121709LCSA31

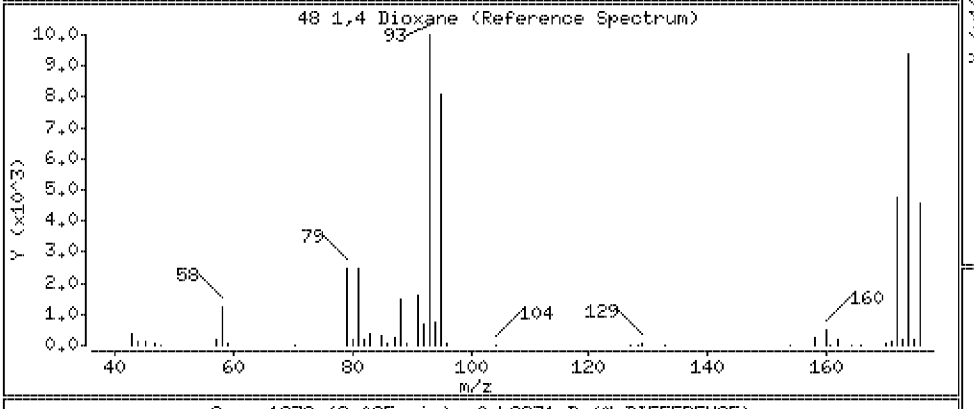
Purge Volume: 5.0 Operator:

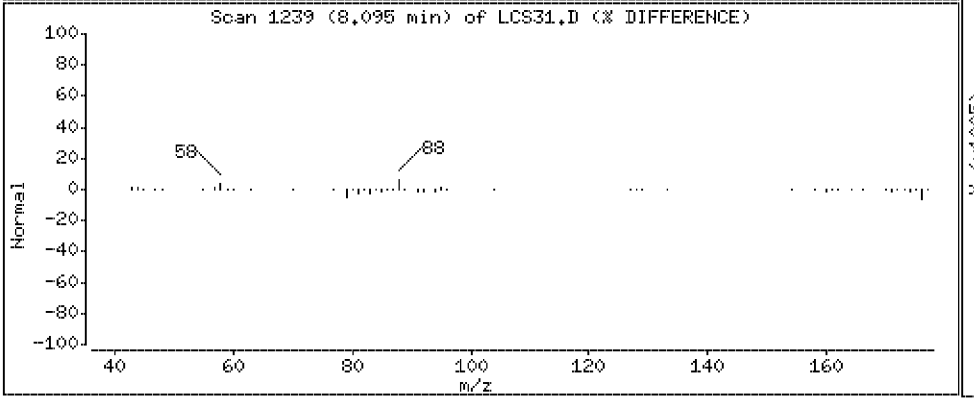
Column phase: DB-624 Column diameter: 0.18

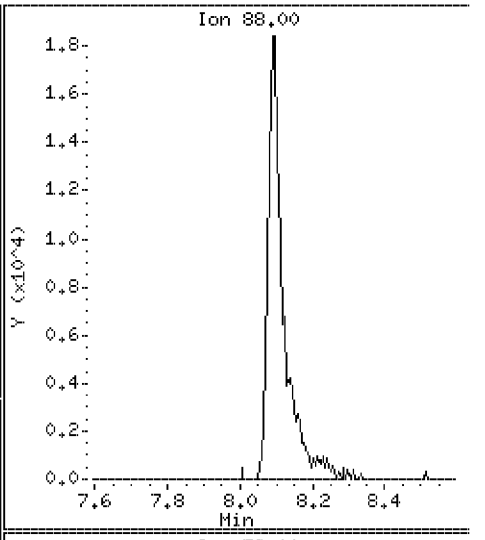
48 1,4 Dioxane Concentration: 602 ug/l

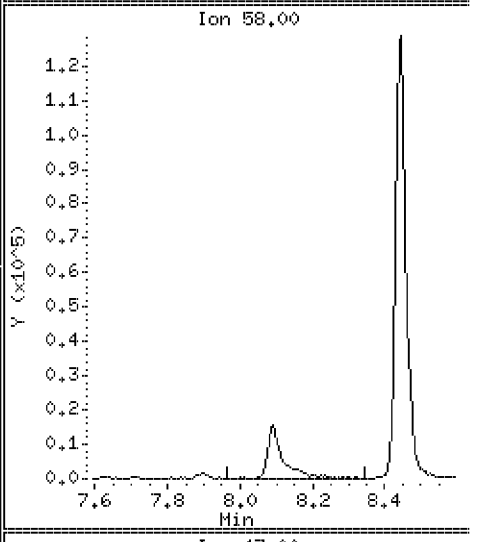


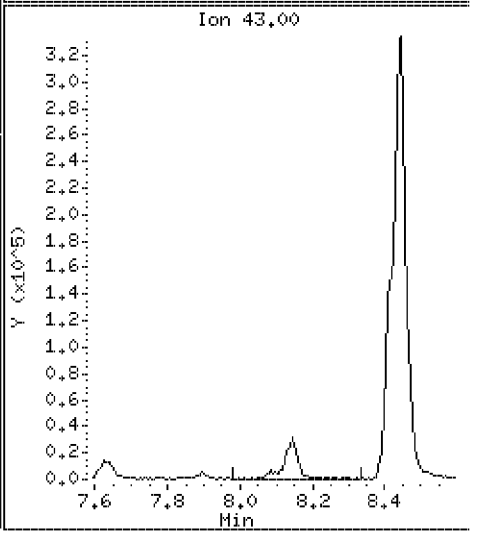












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

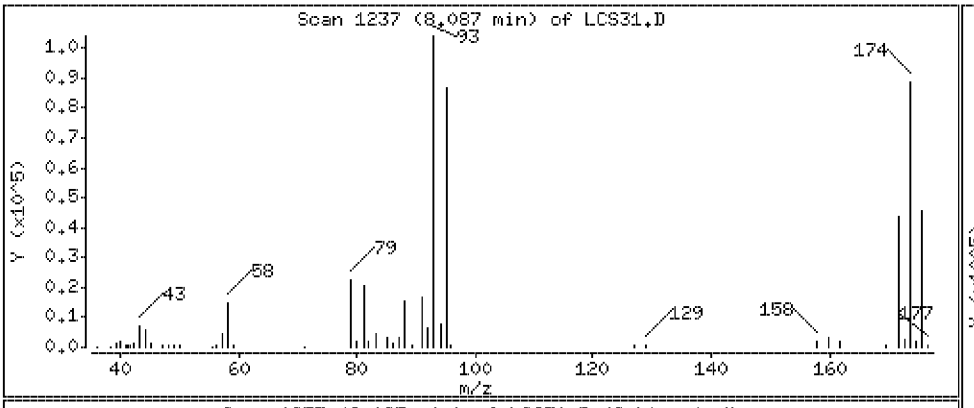
Operator:

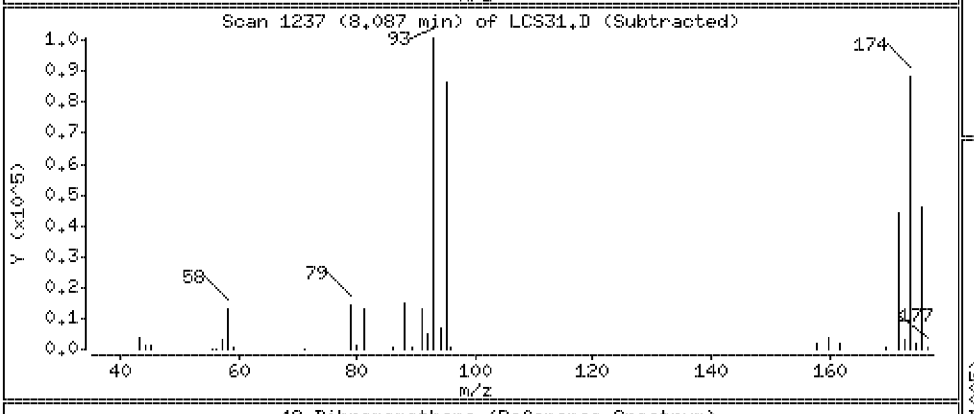
Column phase: DB-624

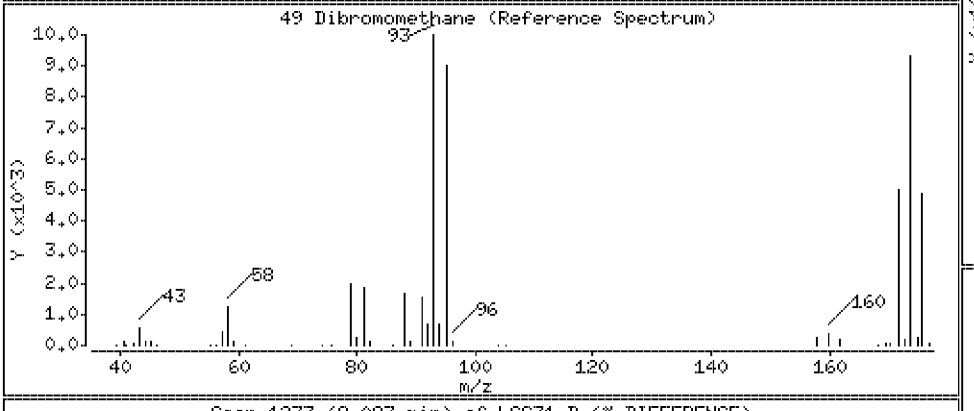
Column diameter: 0.18

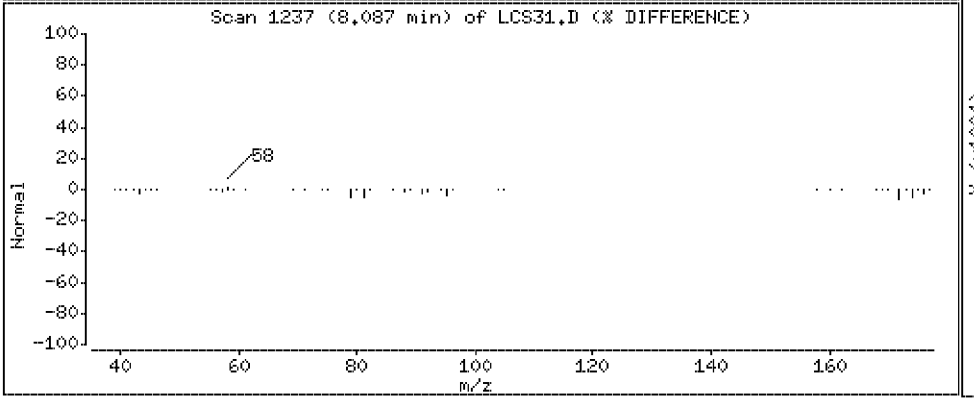
49 Dibromomethane

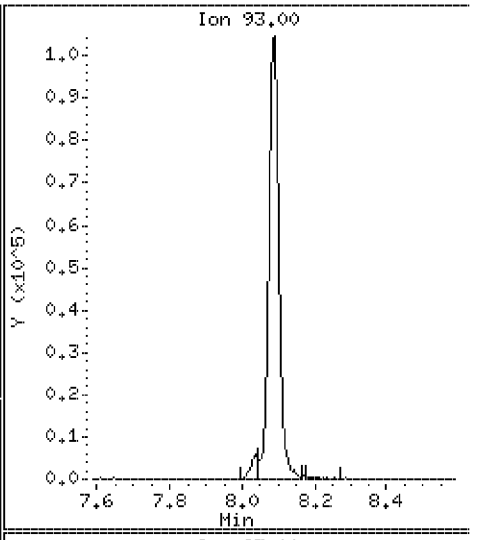
Concentration: 21.2 ug/l

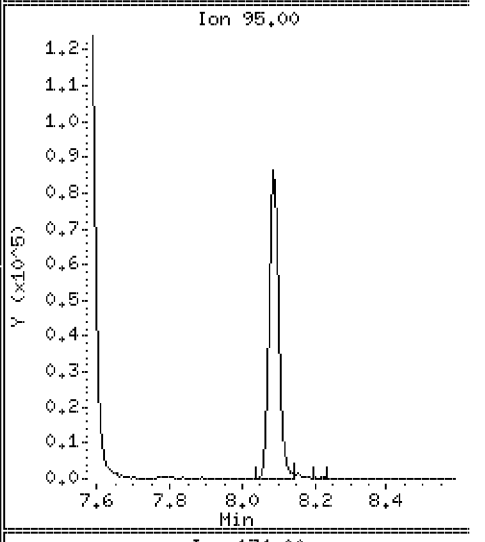


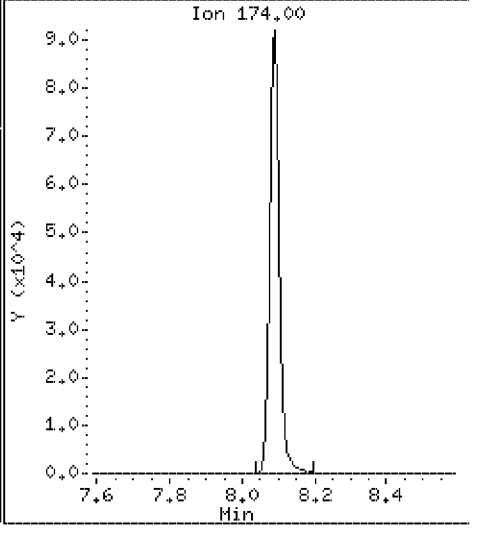












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

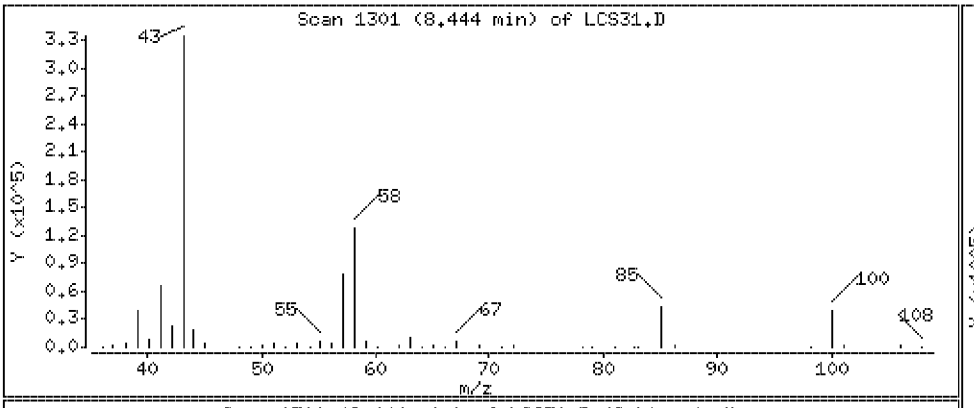
Client ID: 121709LCSA31 Instrument: vms03.i

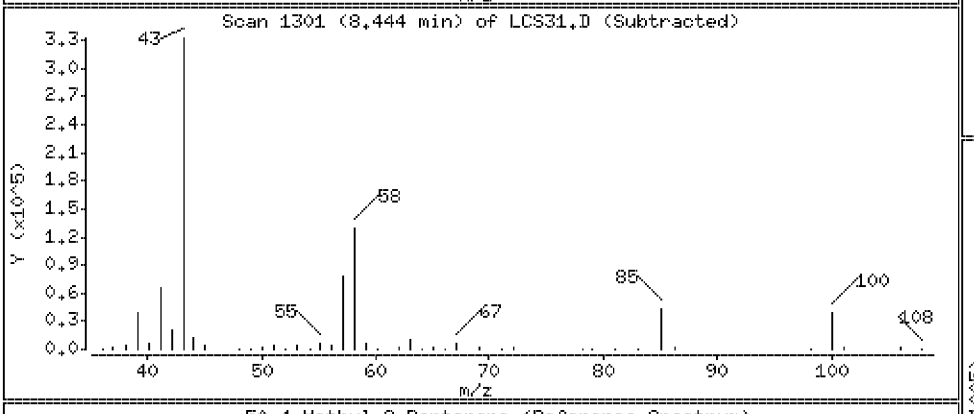
Sample Info: 121709LCSA31

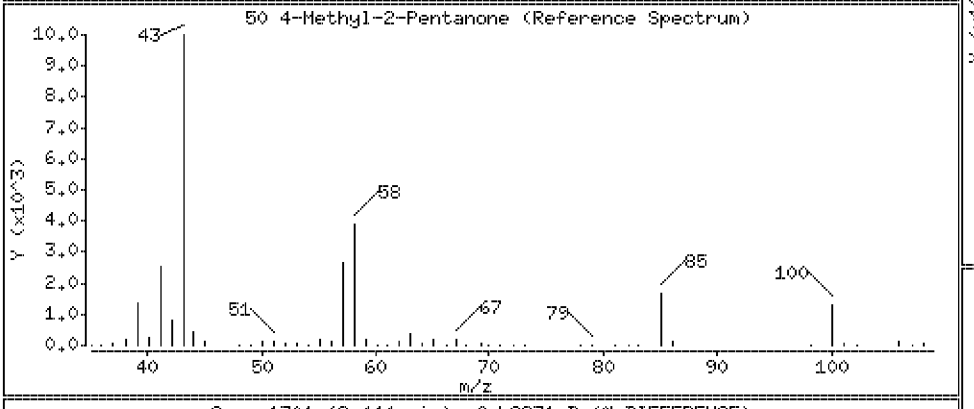
Purge Volume: 5.0 Operator:

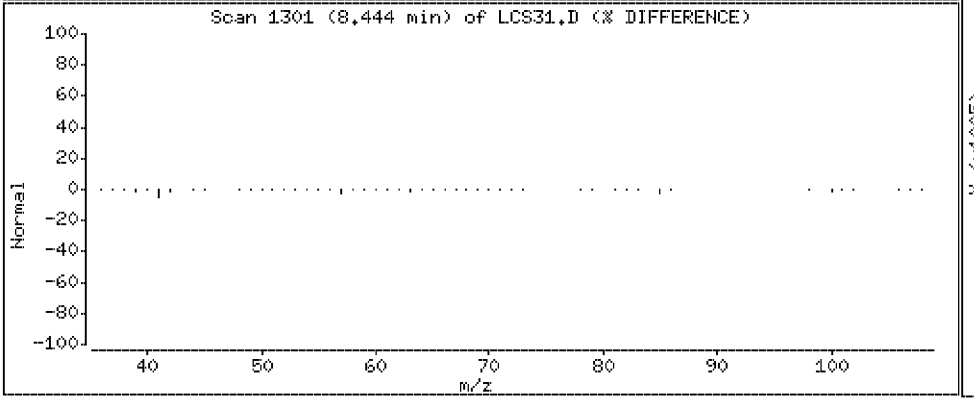
Column phase: DB-624 Column diameter: 0.18

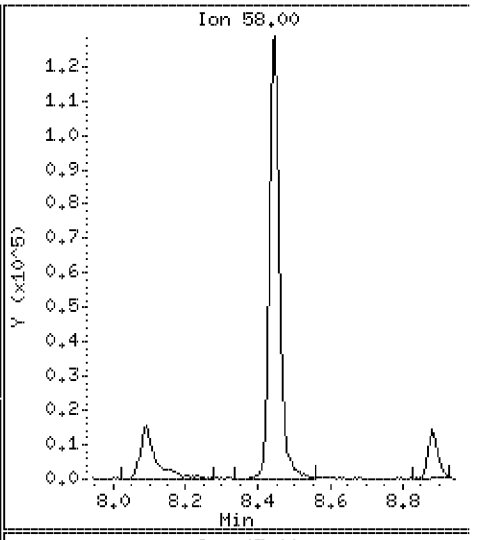
50 4-Methyl-2-Pentanone Concentration: 42.8 ug/l

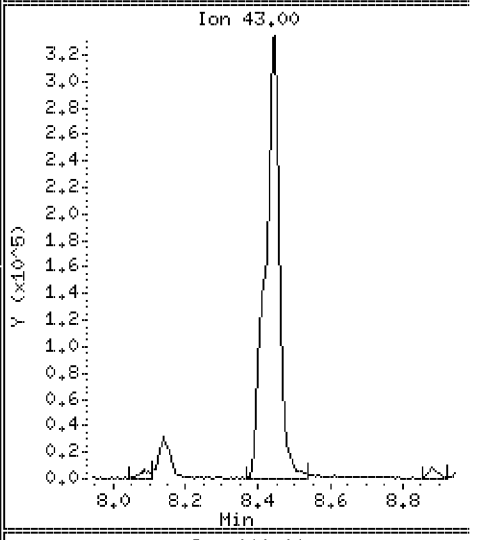


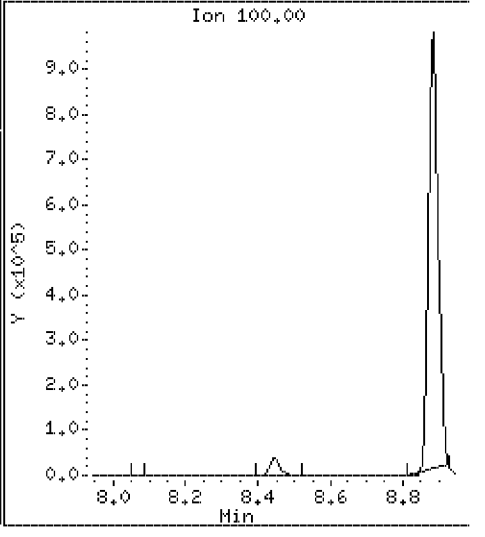












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

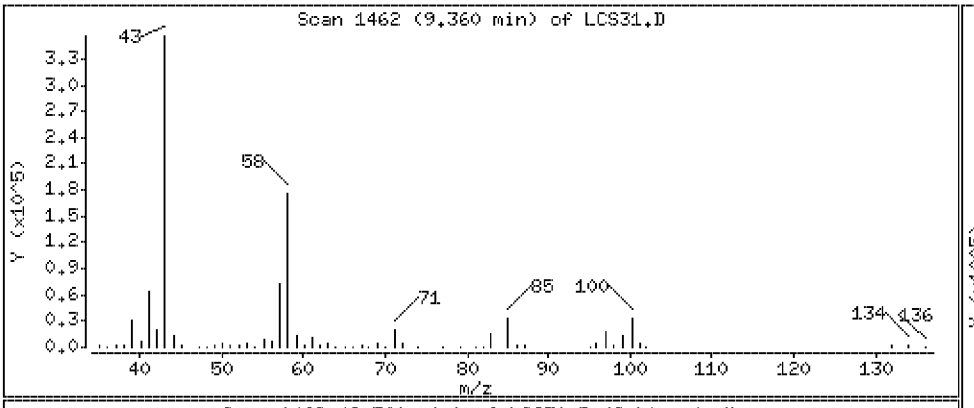
Operator:

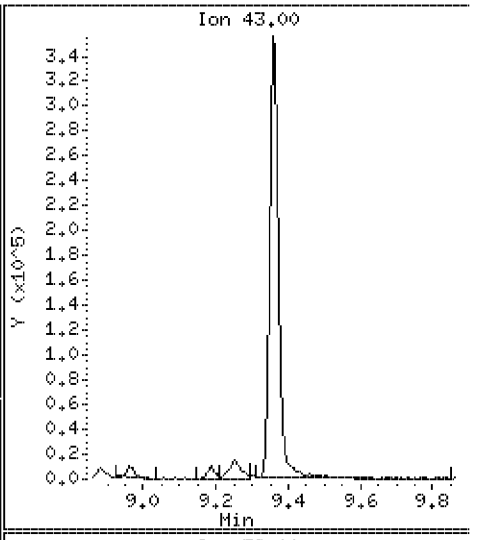
Column phase: DB-624

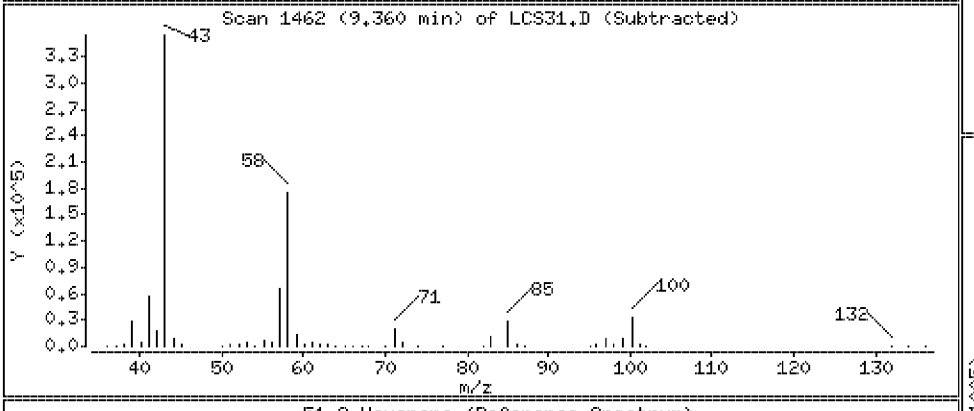
Column diameter: 0.18

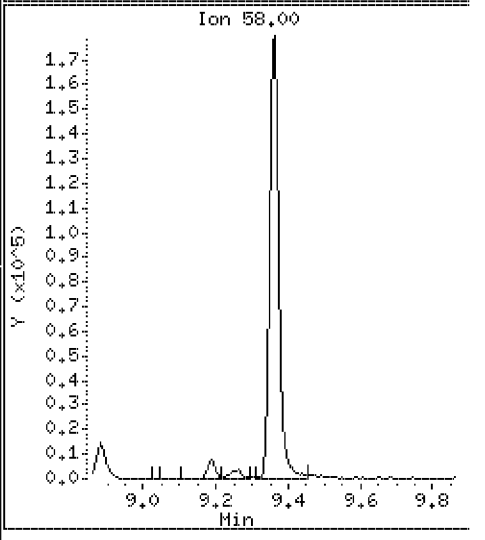
51 2-Hexanone

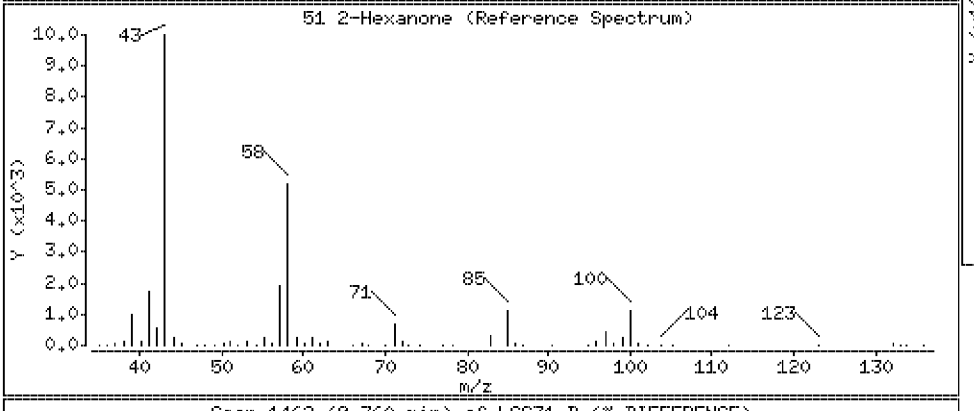
Concentration: 48.5 ug/l

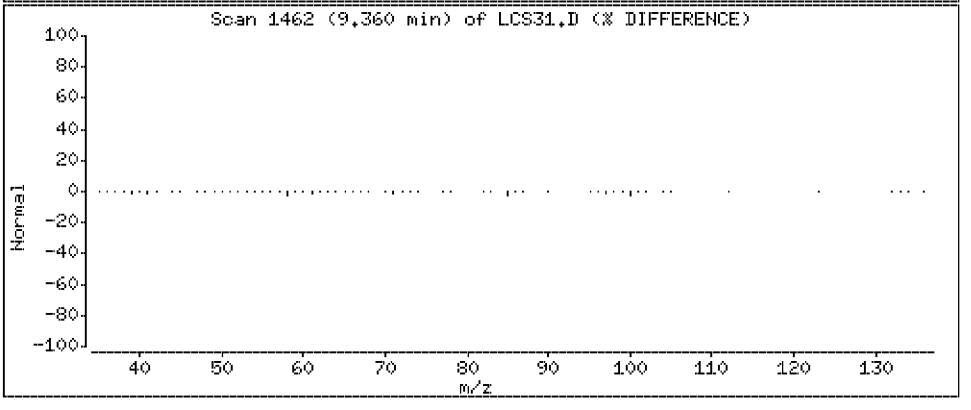












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

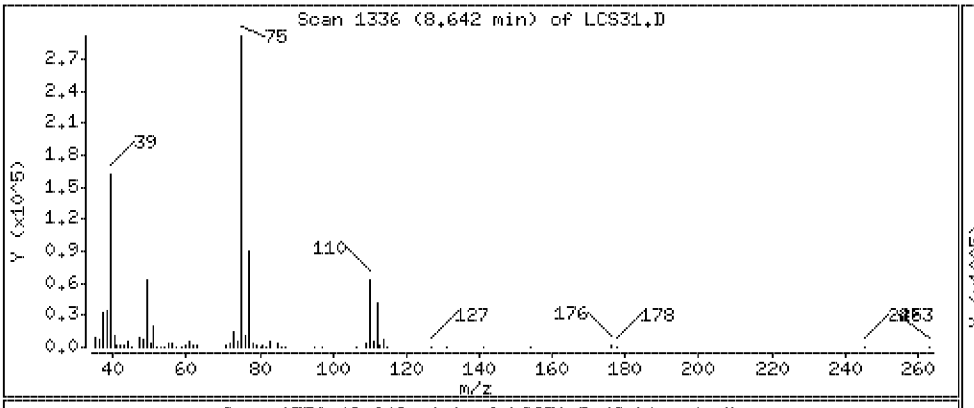
Client ID: 121709LCSA31 | Instrument: vms03.i

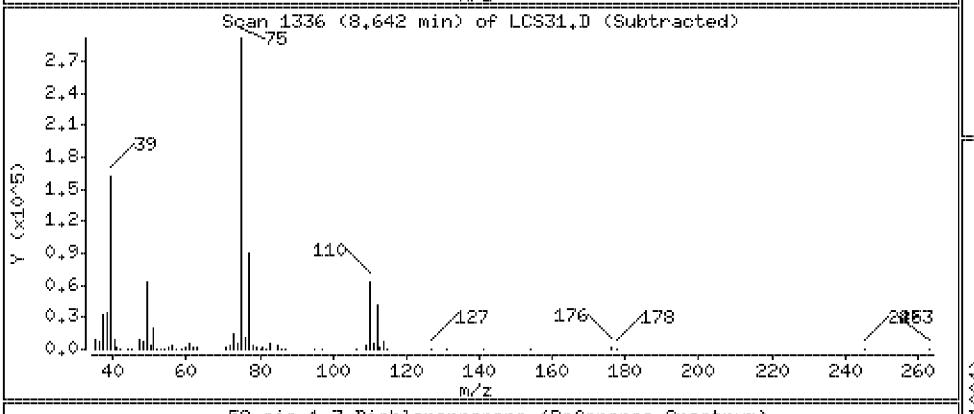
Sample Info: 121709LCSA31

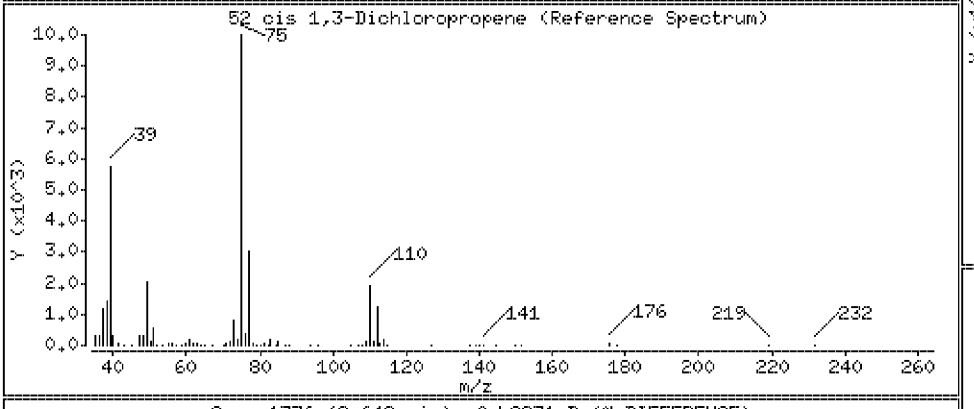
Purge Volume: 5.0 | Operator:

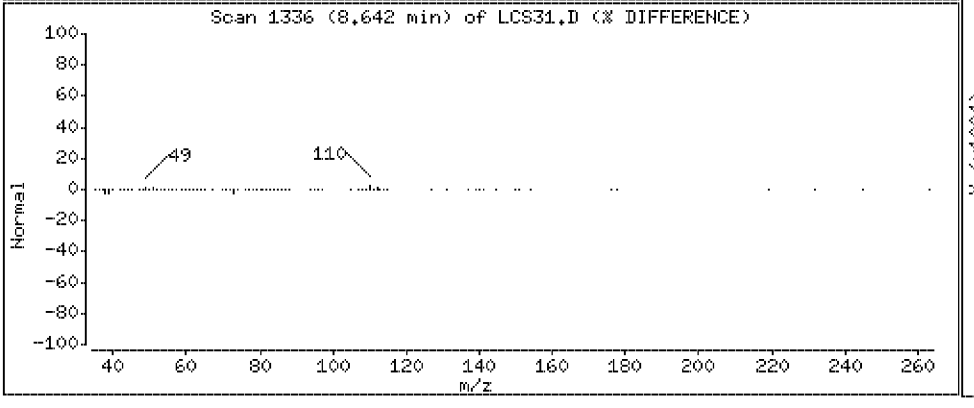
Column phase: DB-624 | Column diameter: 0.18

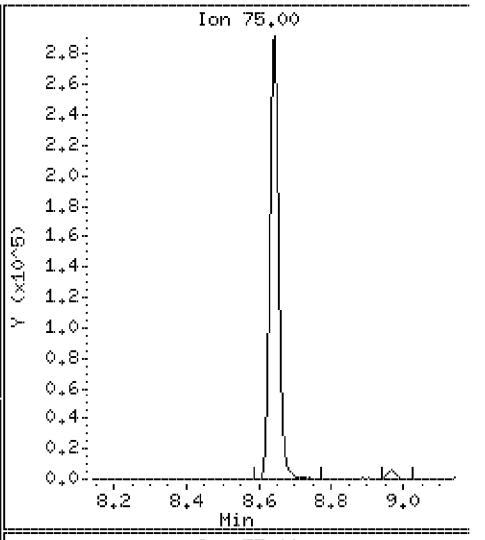
52 cis 1,3-Dichloropropene | Concentration: 20.7 ug/l

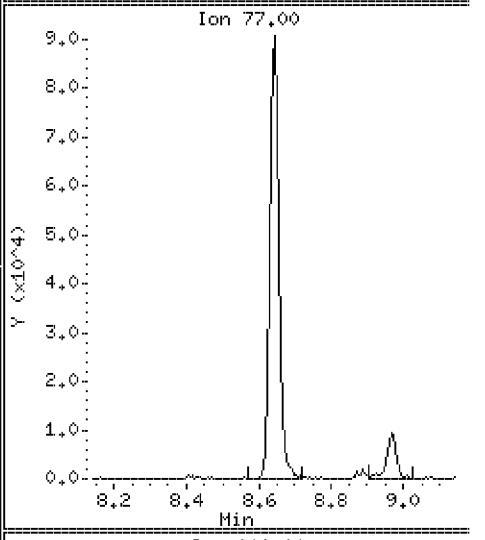


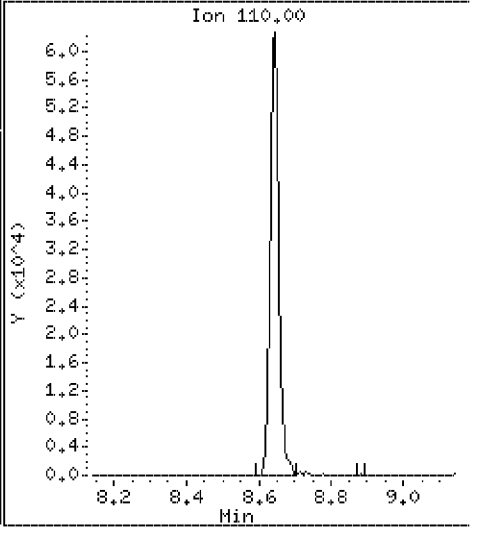












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

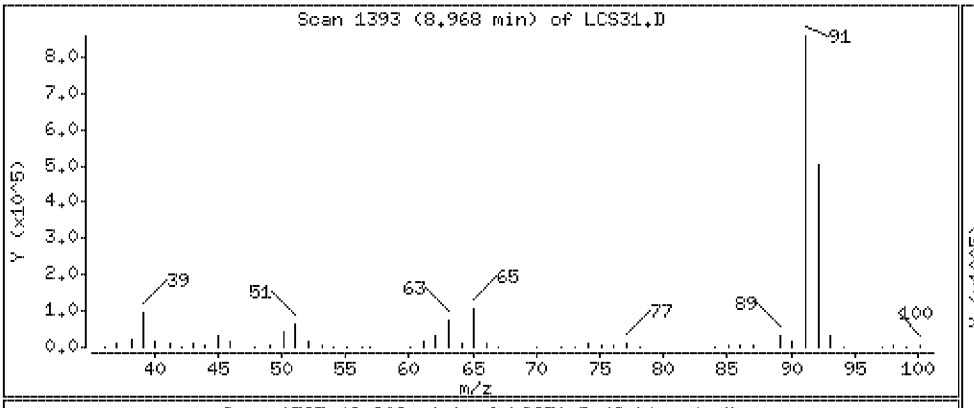
Operator:

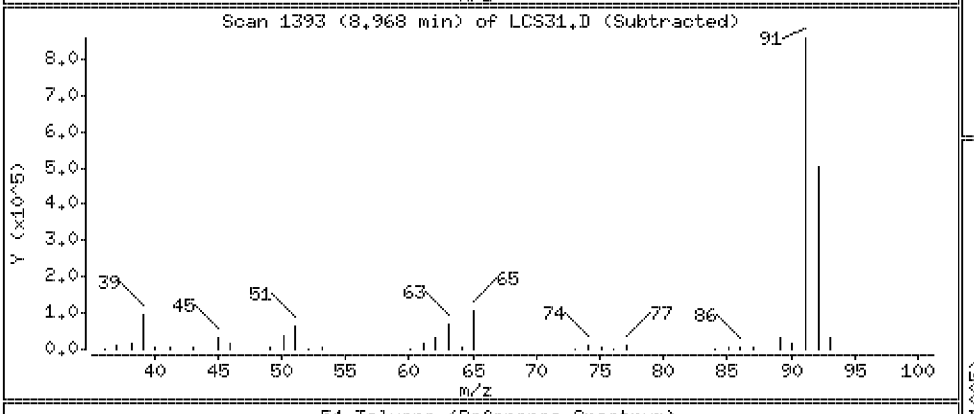
Column phase: DB-624

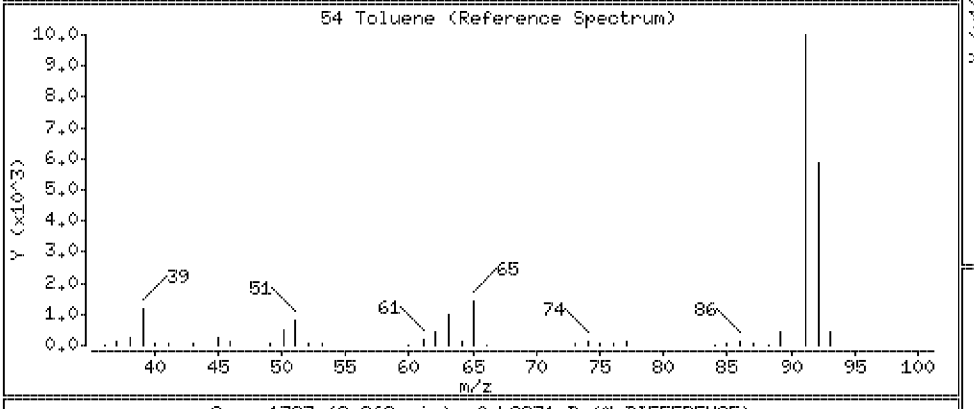
Column diameter: 0.18

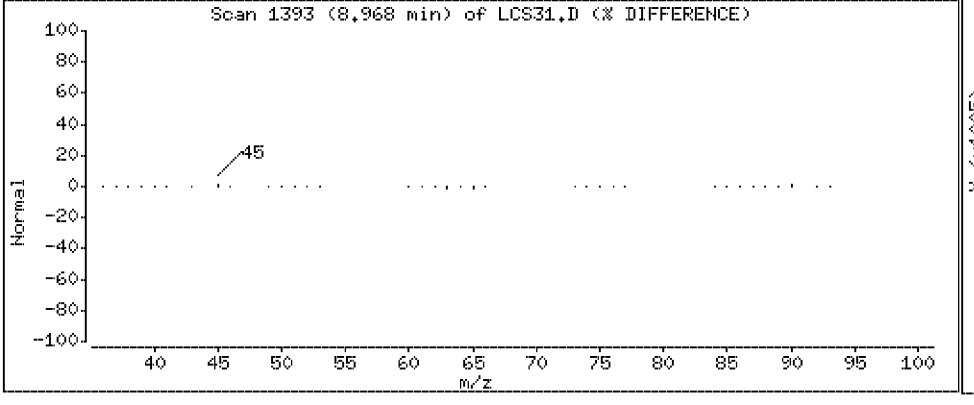
54 Toluene

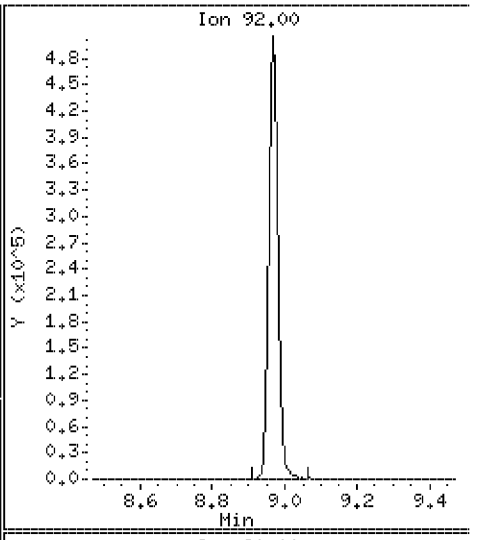
Concentration: 21.4 ug/l

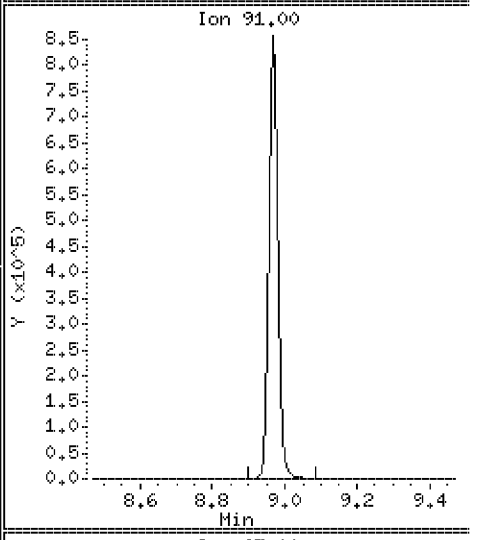


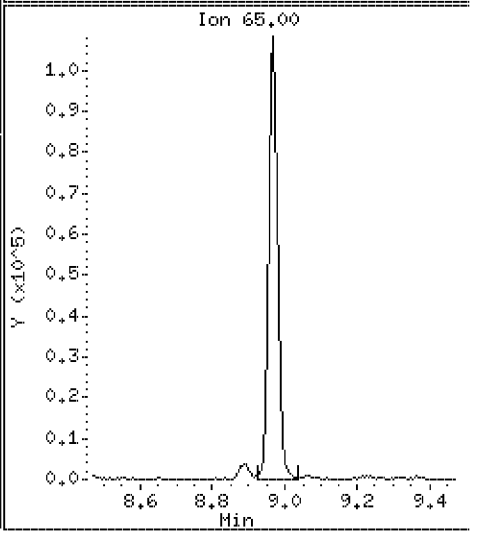












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

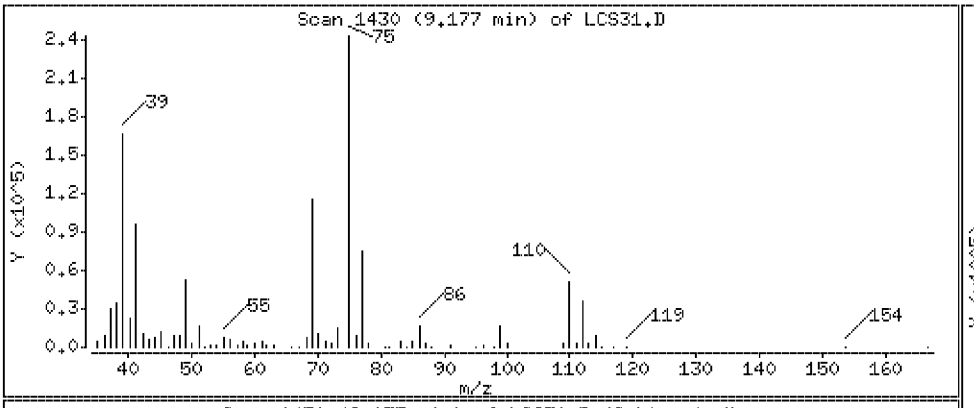
Operator:

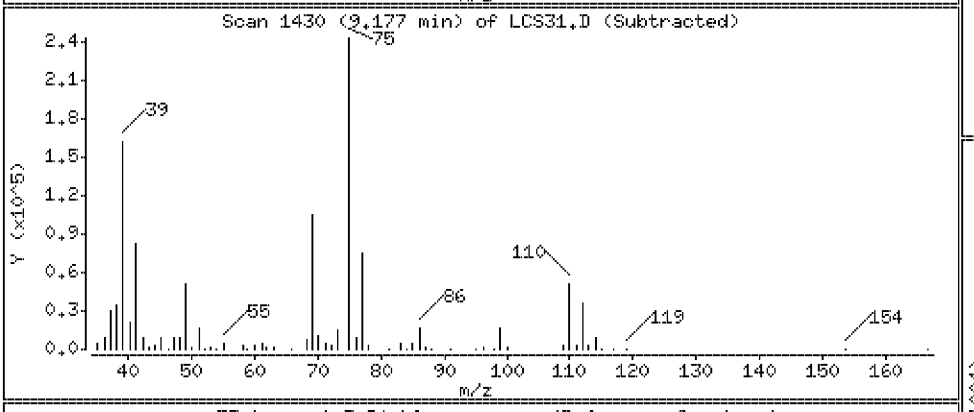
Column phase: DB-624

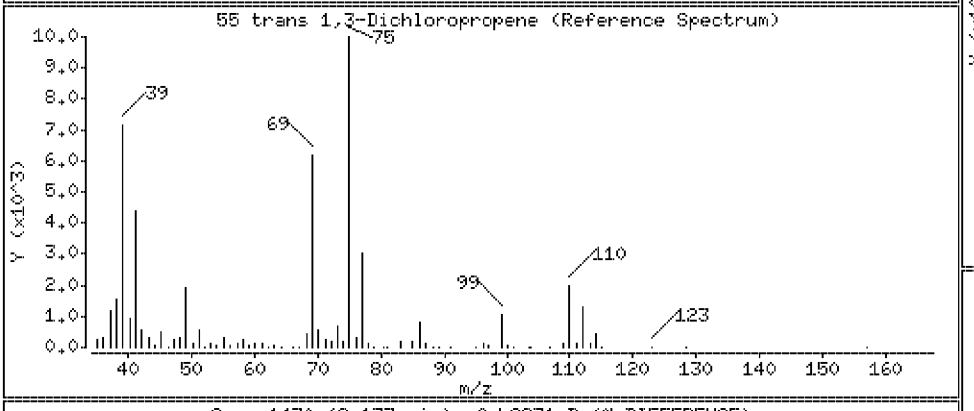
Column diameter: 0.18

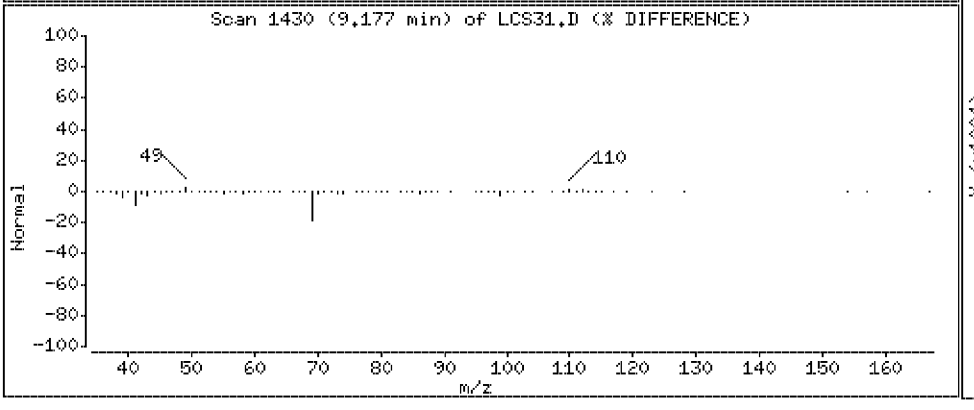
55 trans 1,3-Dichloropropene

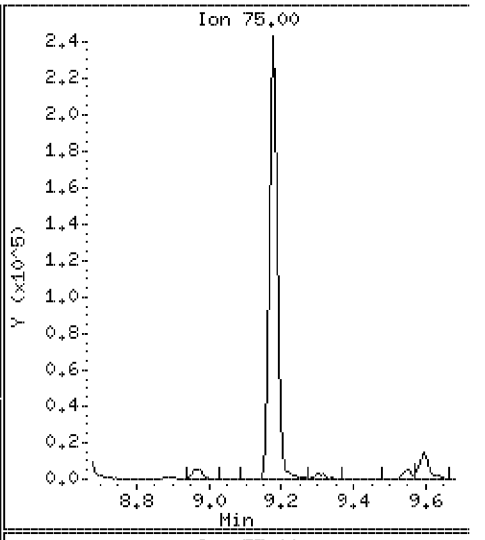
Concentration: 19.6 ug/l

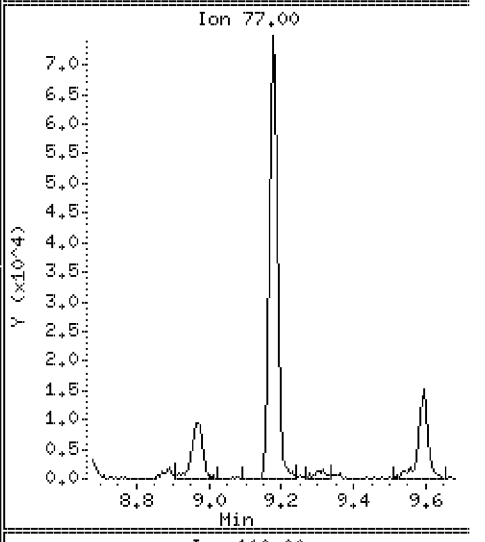


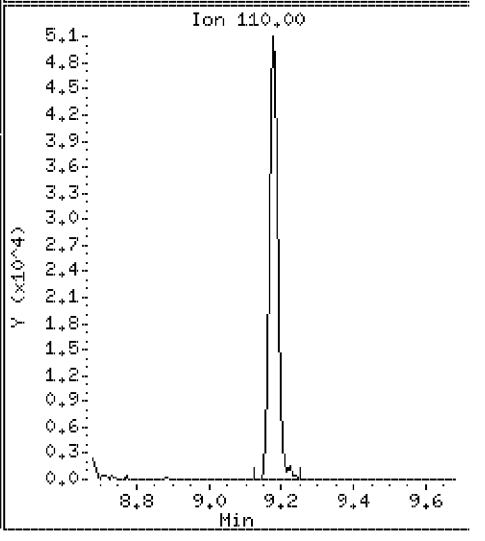












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

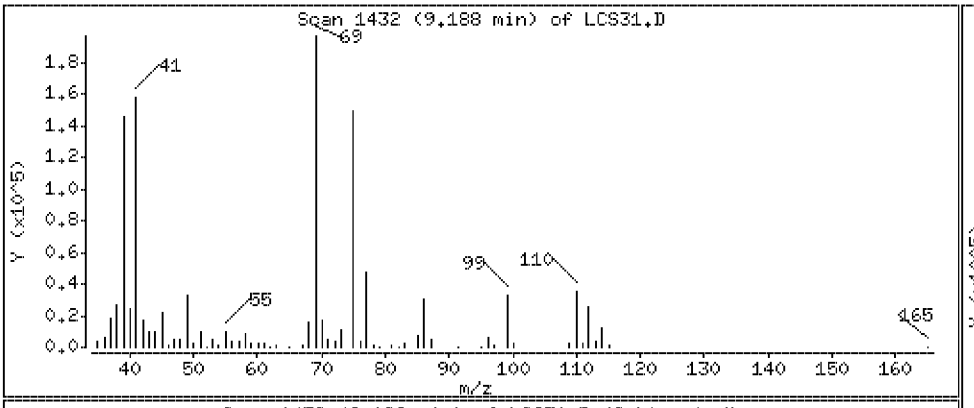
Client ID: 121709LCSA31 Instrument: vms03.i

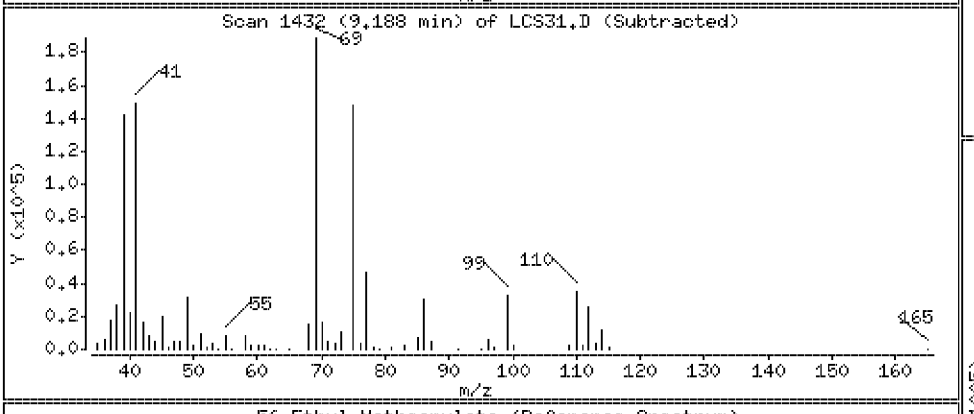
Sample Info: 121709LCSA31

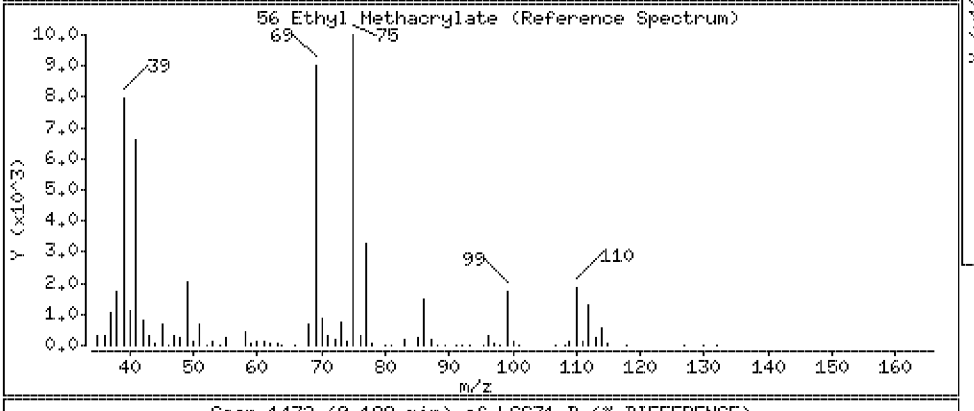
Purge Volume: 5.0 Operator:

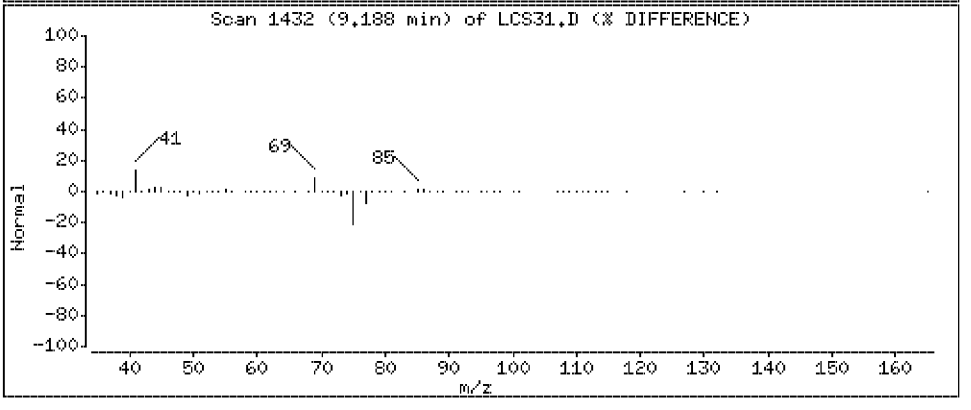
Column phase: DB-624 Column diameter: 0.18

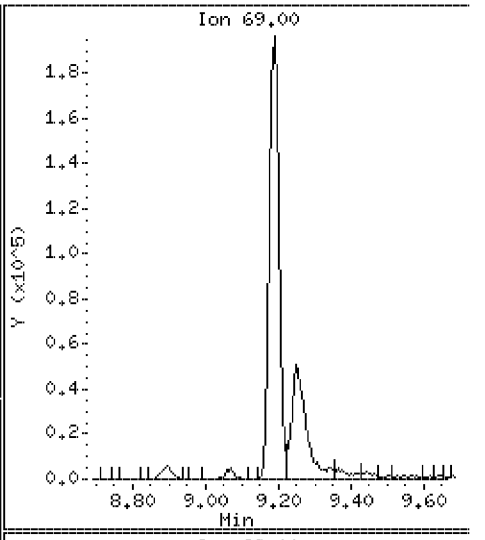
56 Ethyl Methacrylate Concentration: 19.0 ug/l

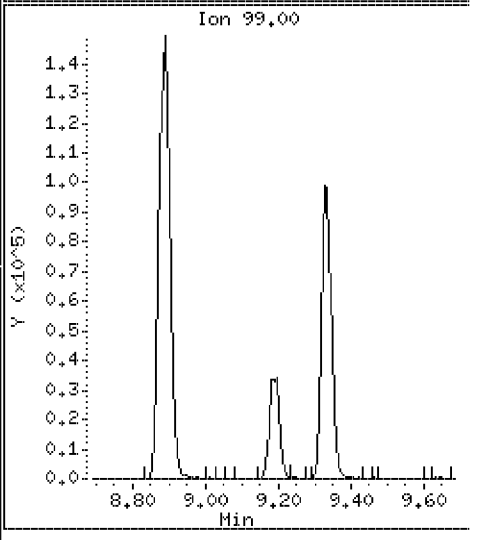












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

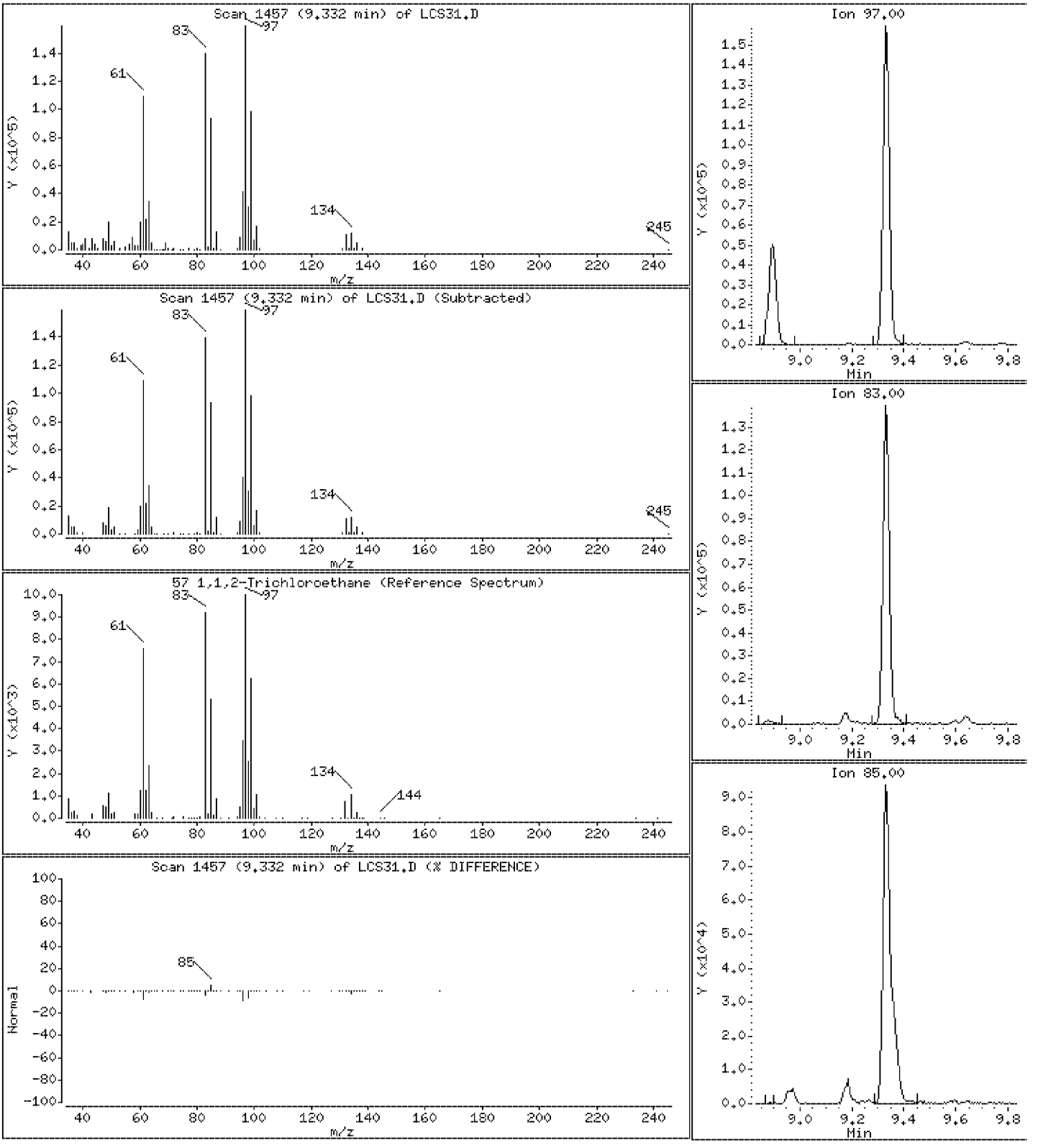
Client ID: 121709LCSA31 Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

57 1,1,2-Trichloroethane Concentration: 20.2 ug/l



Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

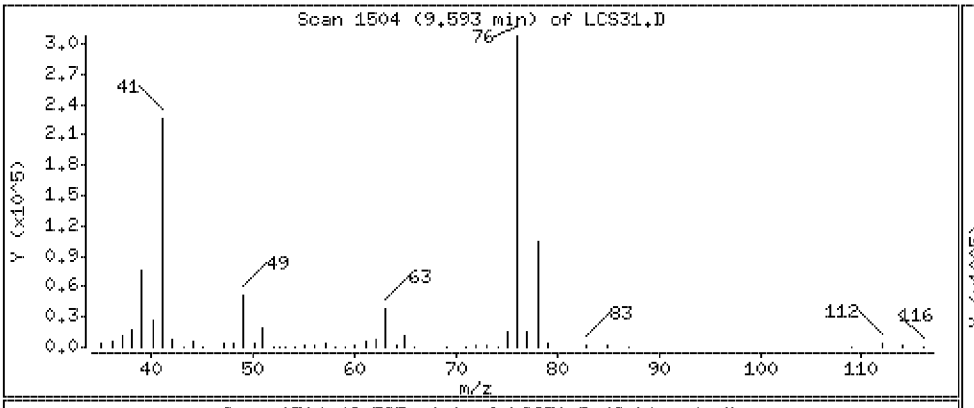
Operator:

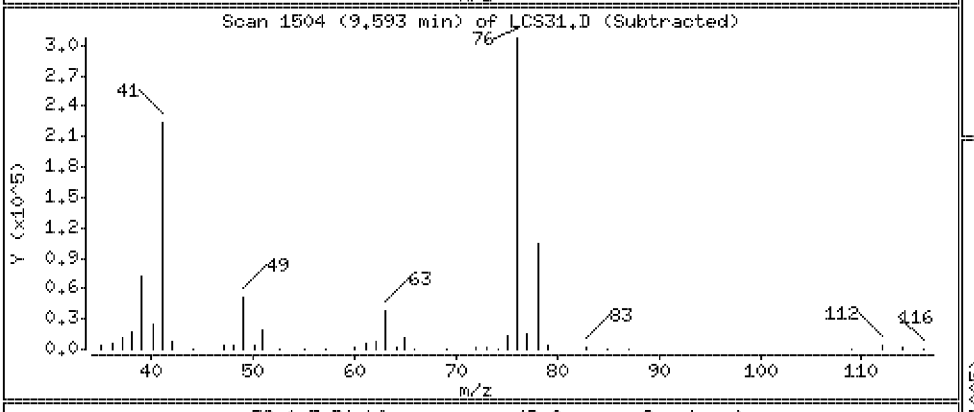
Column phase: DB-624

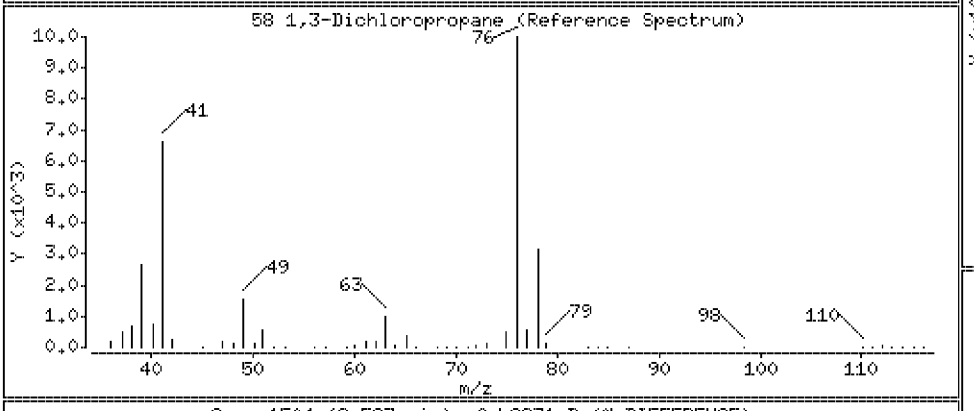
Column diameter: 0.18

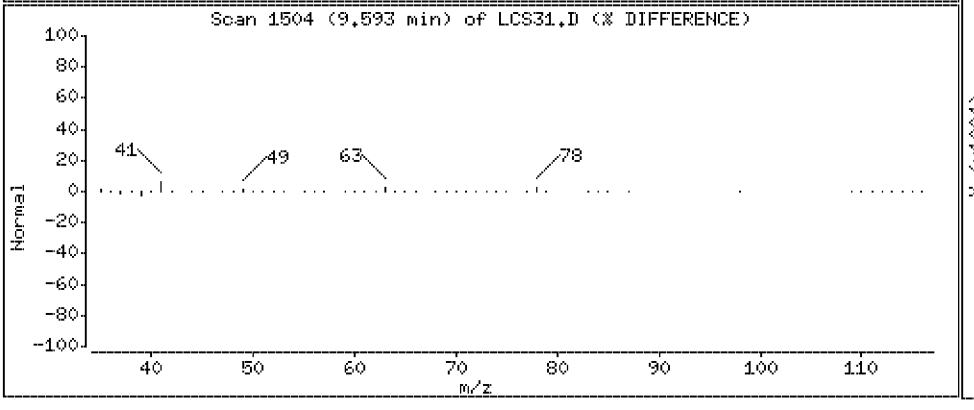
58 1,3-Dichloropropane

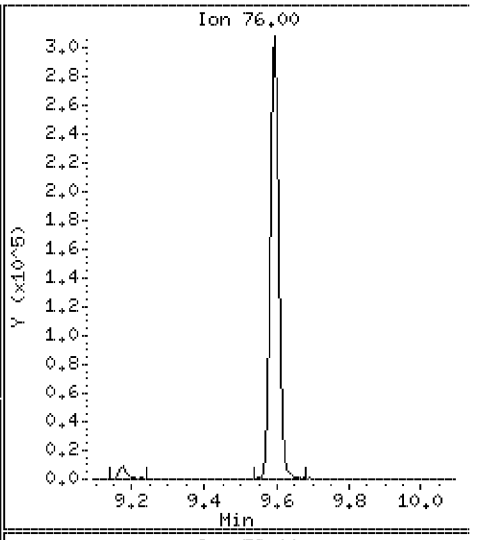
Concentration: 19.7 ug/l

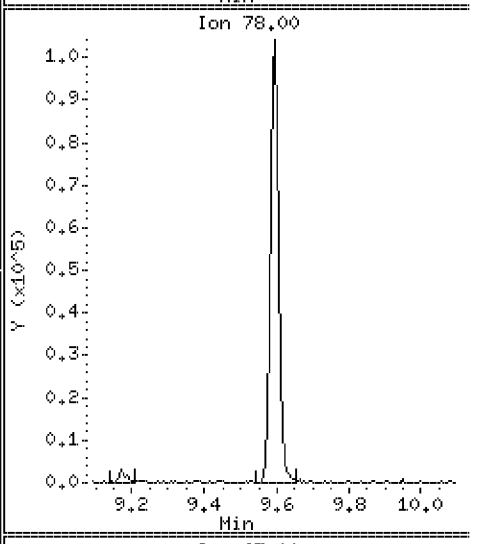


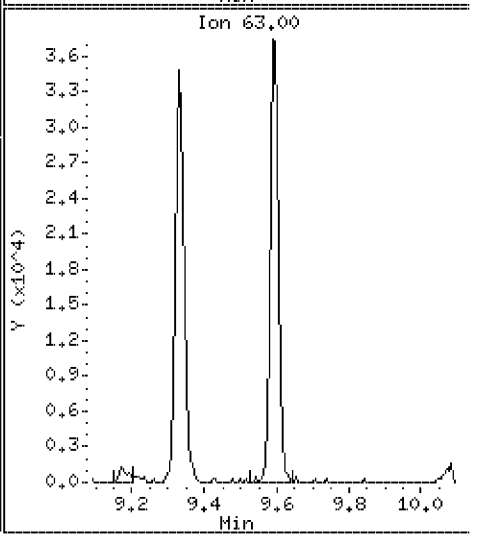












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

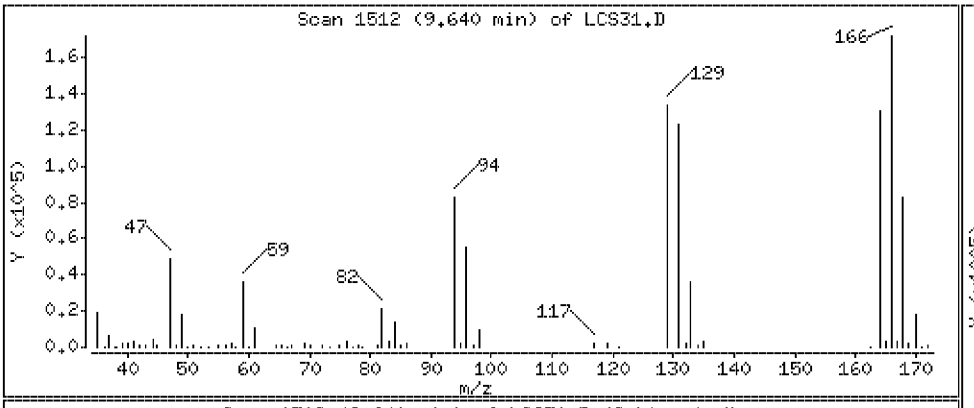
Client ID: 121709LCSA31 Instrument: vms03.i

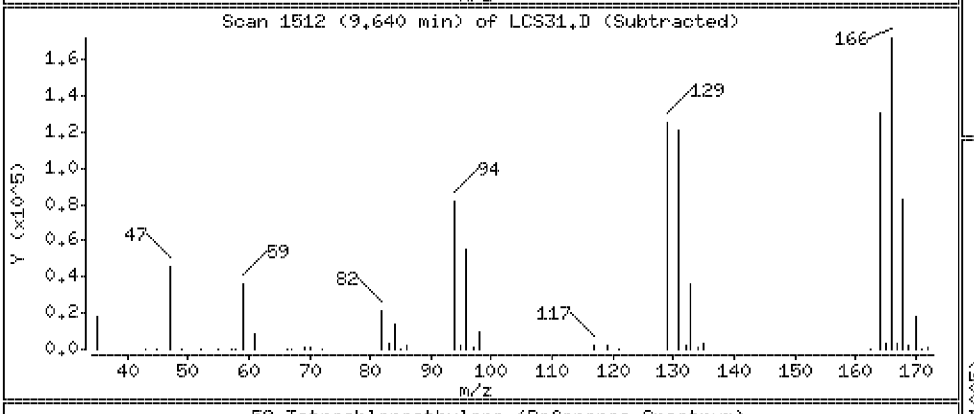
Sample Info: 121709LCSA31

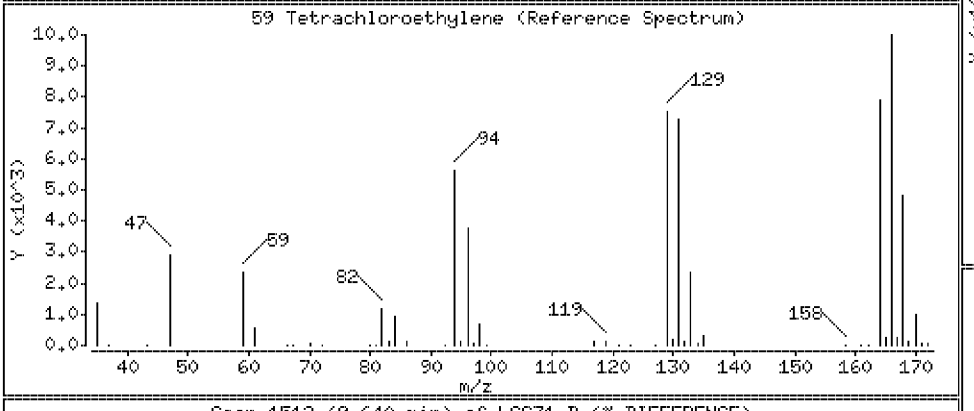
Purge Volume: 5.0 Operator:

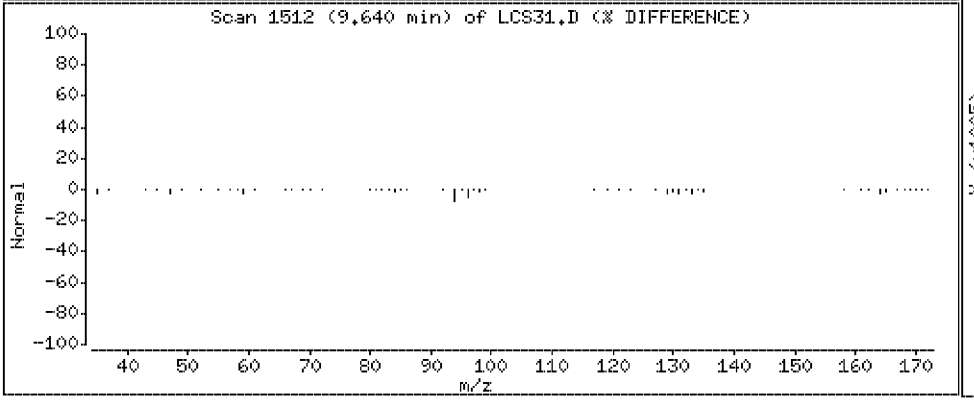
Column phase: DB-624 Column diameter: 0.18

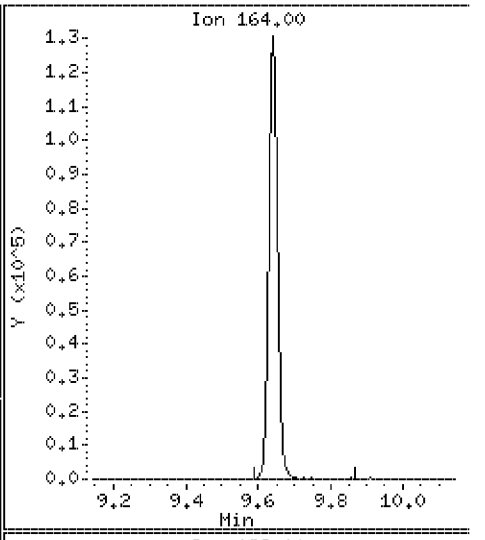
59 Tetrachloroethylene Concentration: 21.6 ug/l

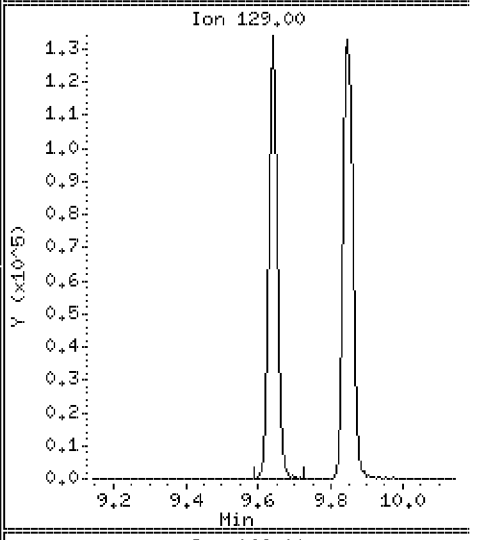


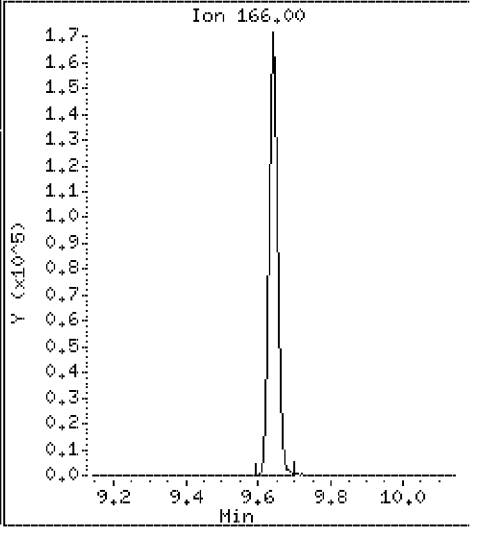












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

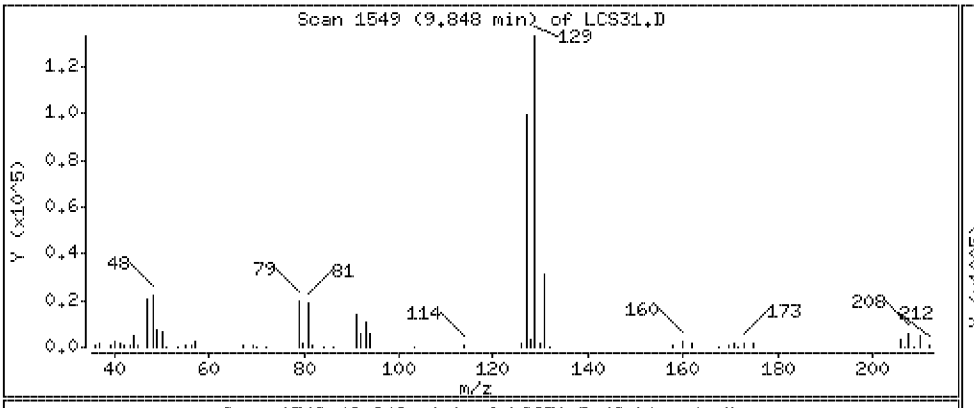
Operator:

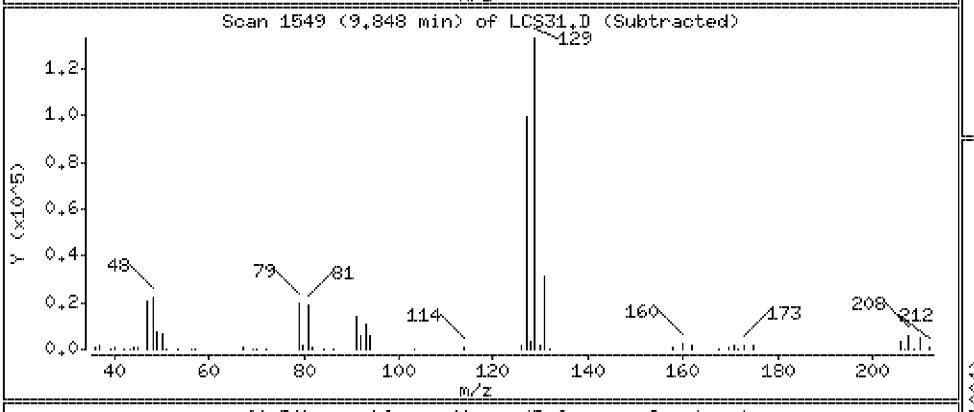
Column phase: DB-624

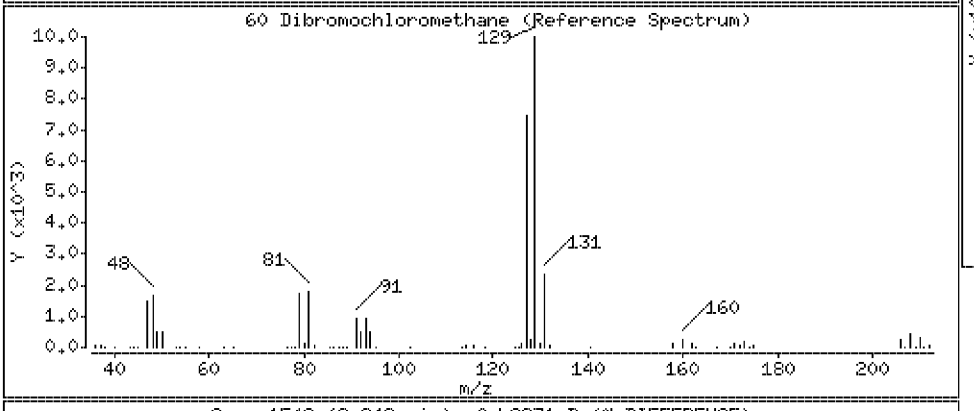
Column diameter: 0.18

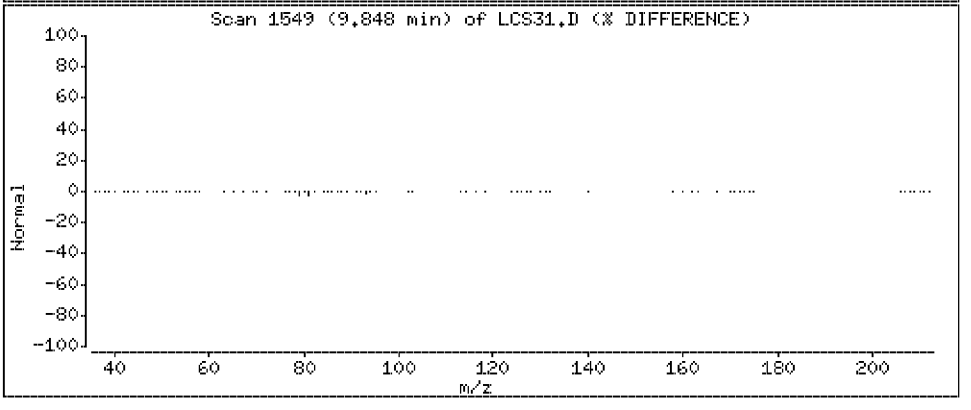
60 Dibromochloromethane

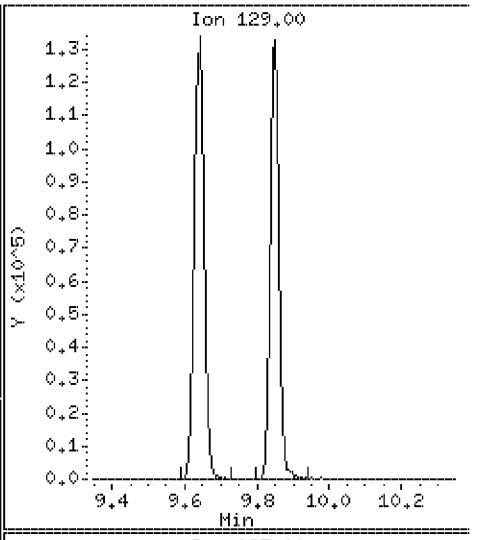
Concentration: 20.8 ug/l

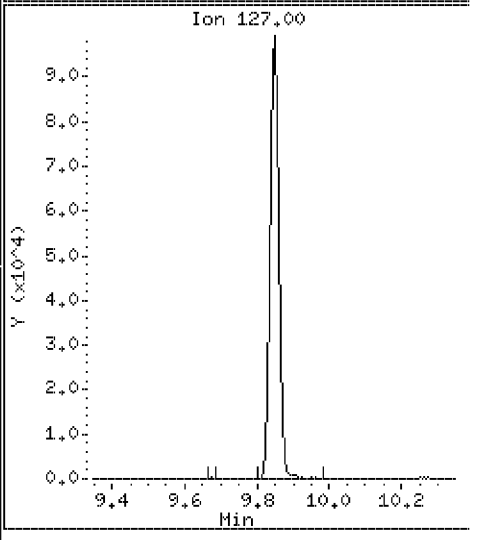












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

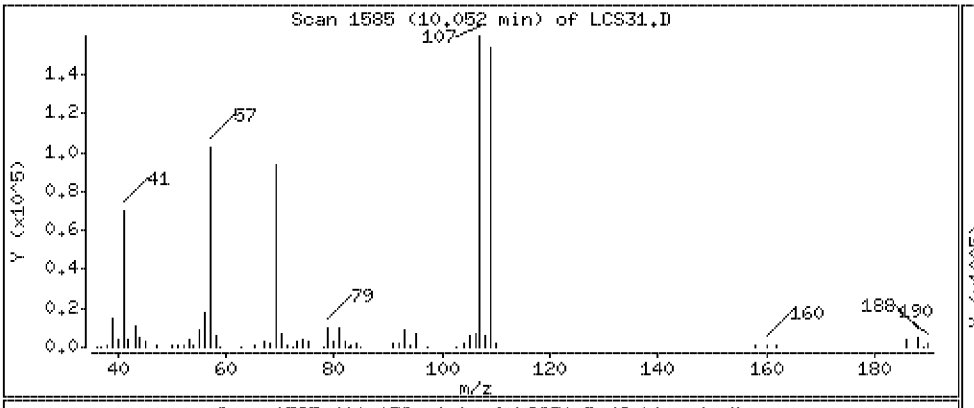
Operator:

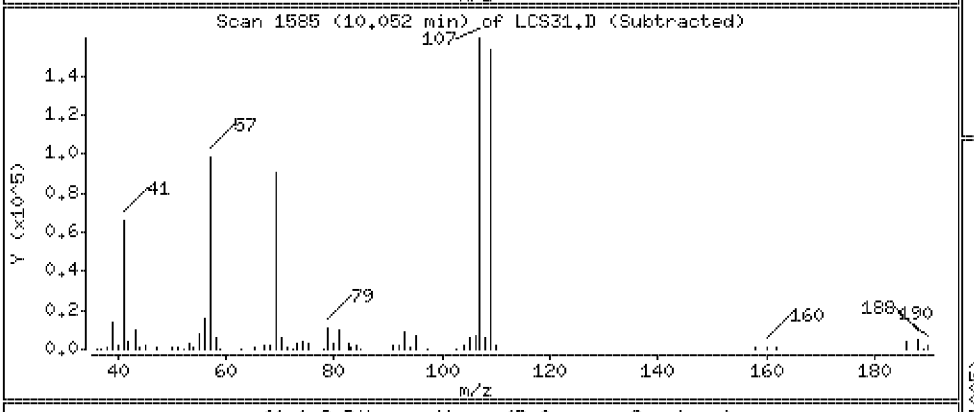
Column phase: DB-624

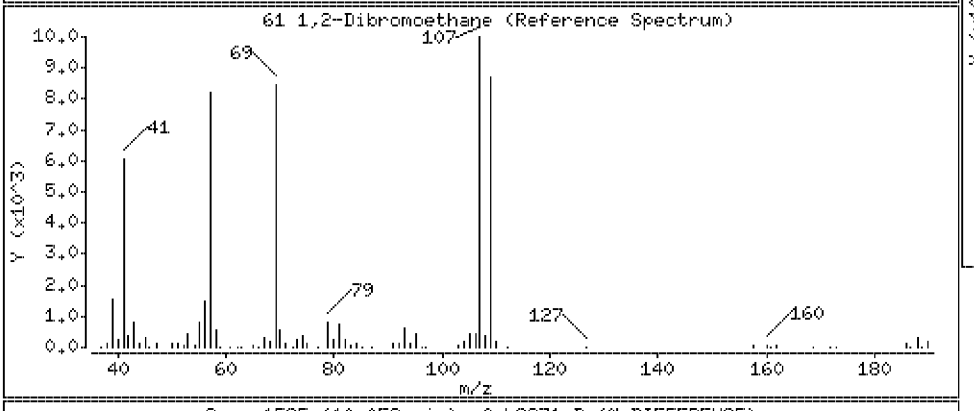
Column diameter: 0.18

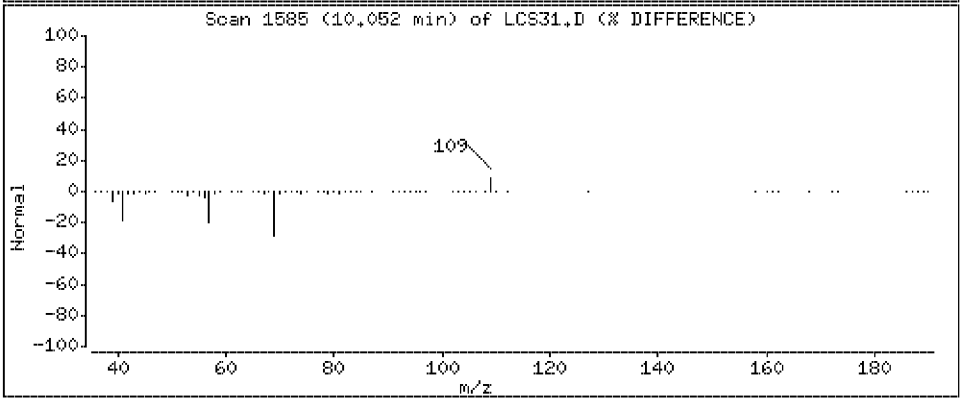
61 1,2-Dibromoethane

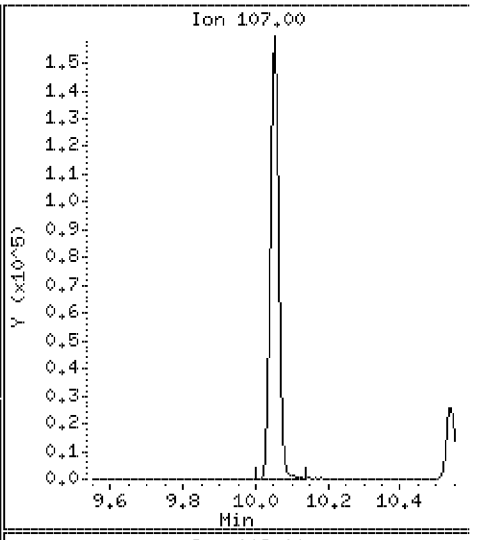
Concentration: 20.8 ug/l

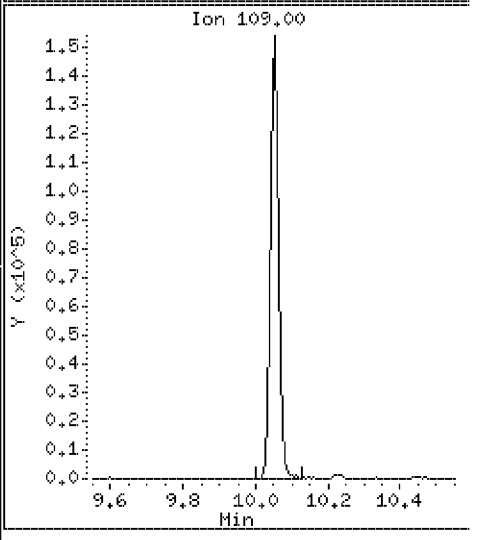












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

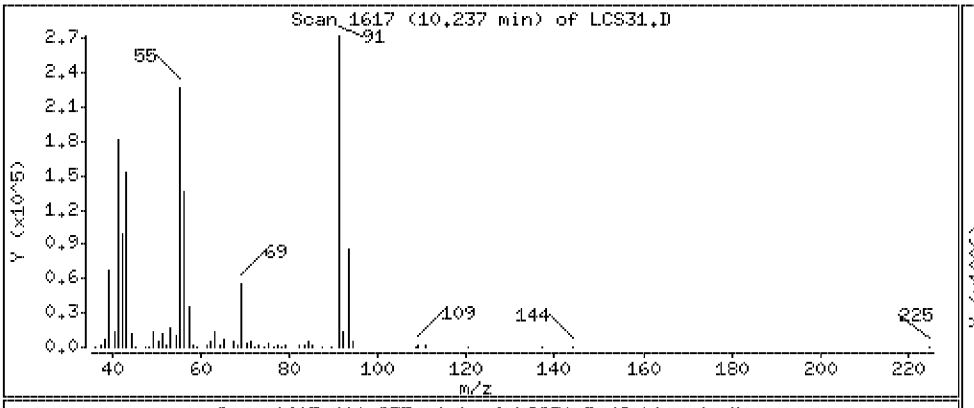
Client ID: 121709LCSA31 Instrument: vms03.i

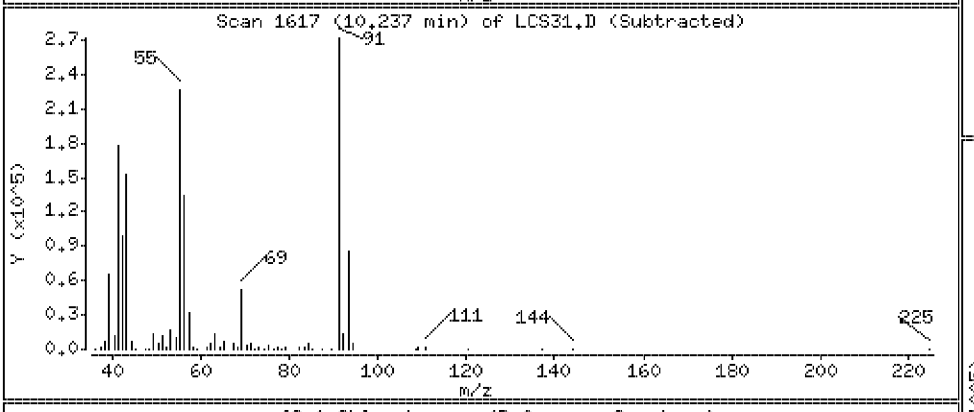
Sample Info: 121709LCSA31

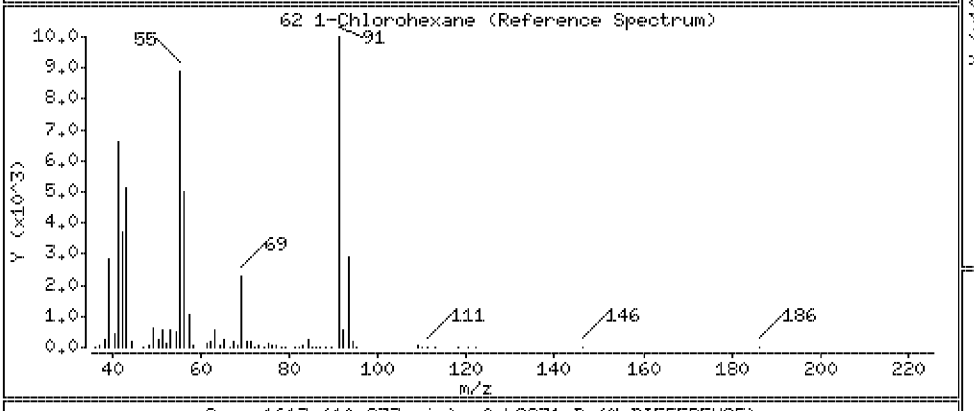
Purge Volume: 5.0 Operator:

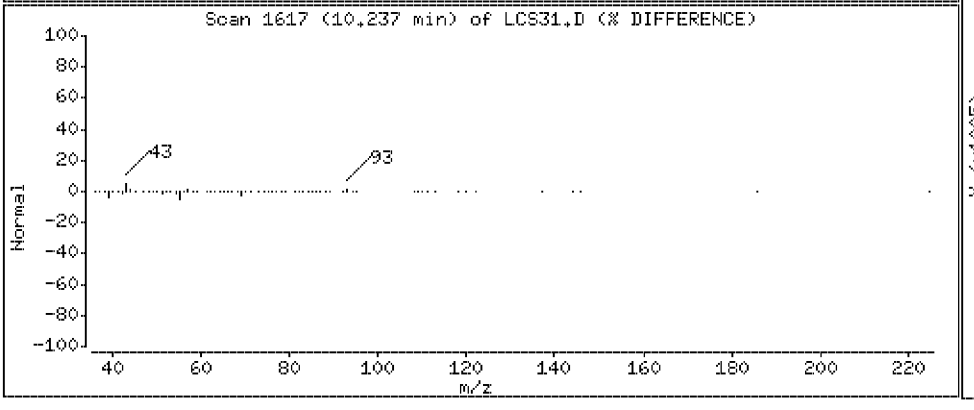
Column phase: DB-624 Column diameter: 0.18

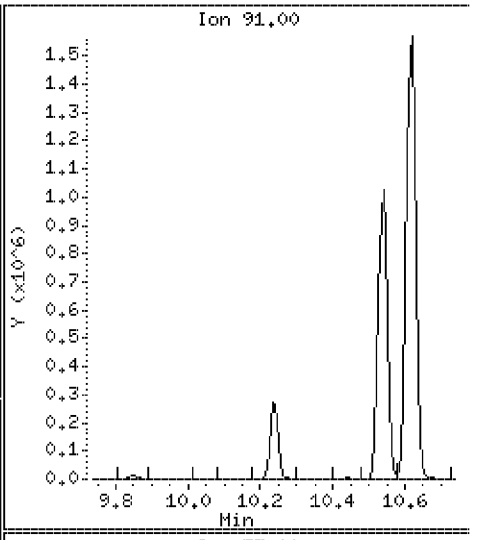
62 1-Chlorohexane Concentration: 22.5 ug/l

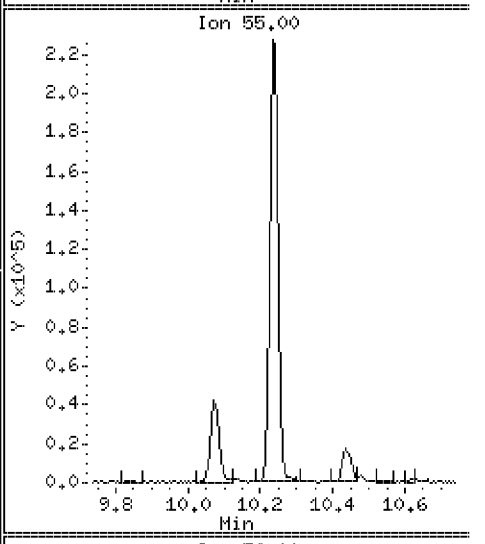


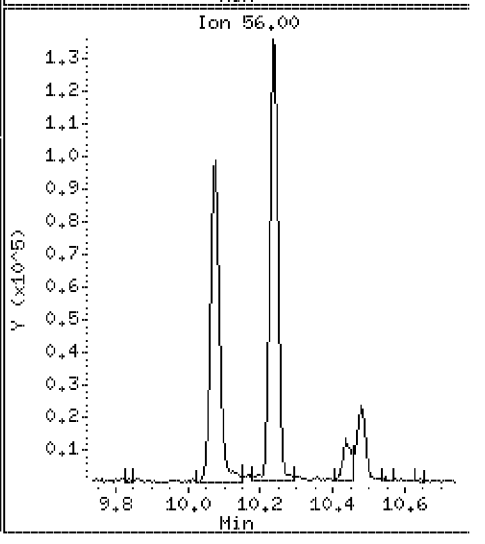












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

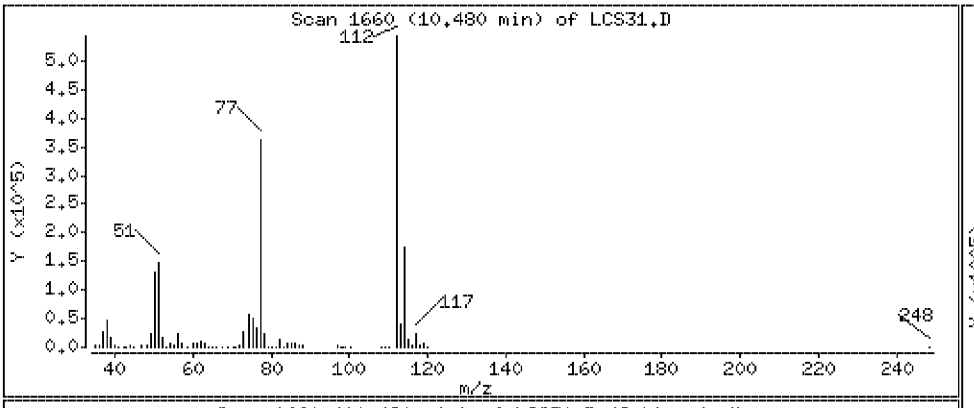
Client ID: 121709LCSA31 Instrument: vms03.i

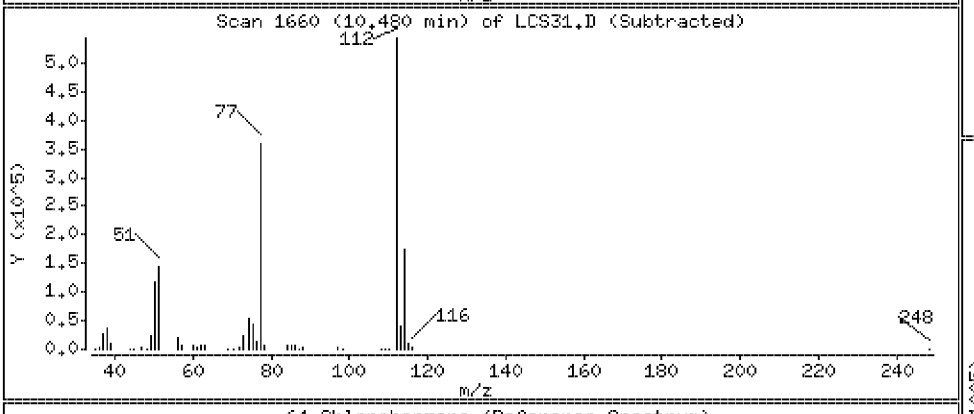
Sample Info: 121709LCSA31

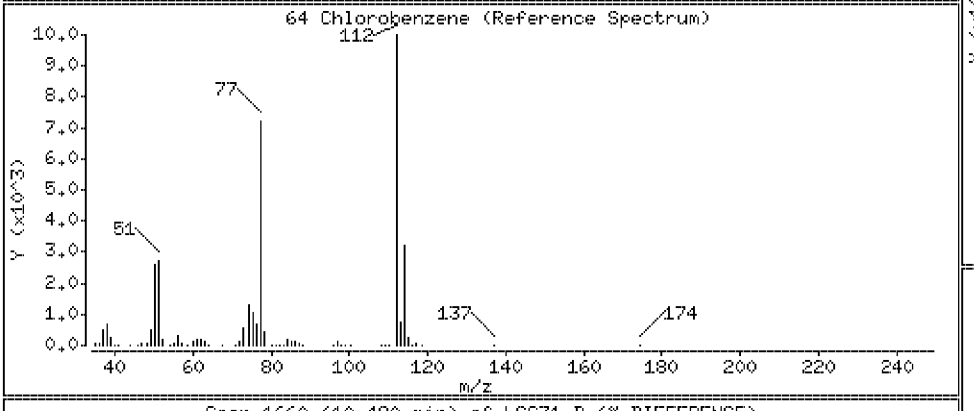
Purge Volume: 5.0 Operator:

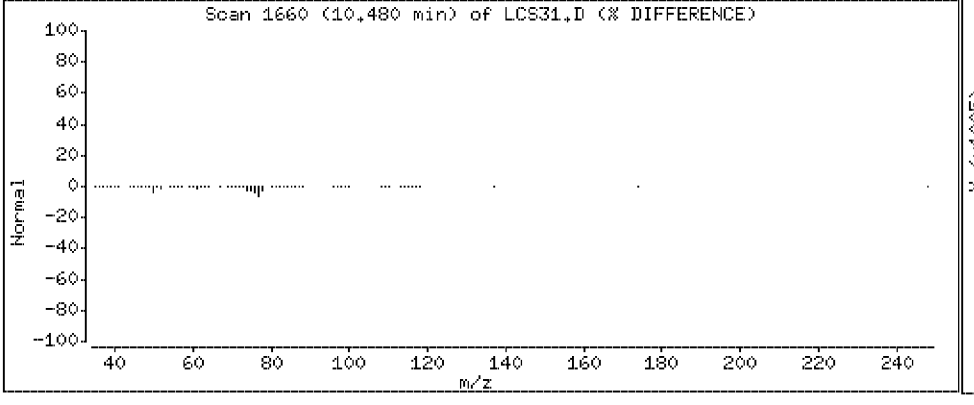
Column phase: DB-624 Column diameter: 0.18

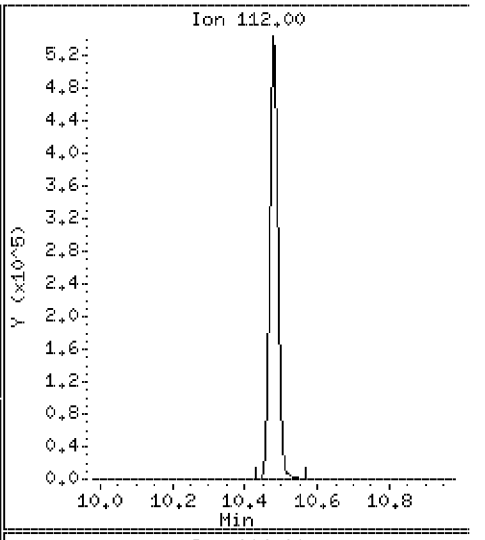
64 Chlorobenzene Concentration: 20.9 ug/l

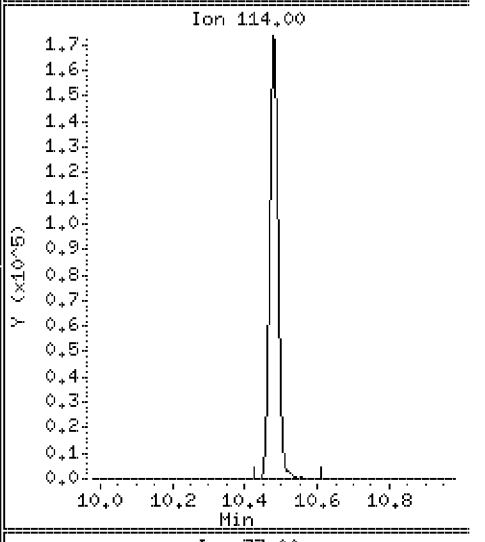


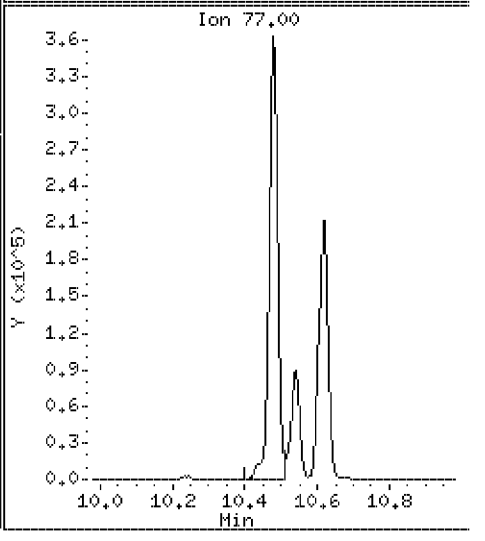












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

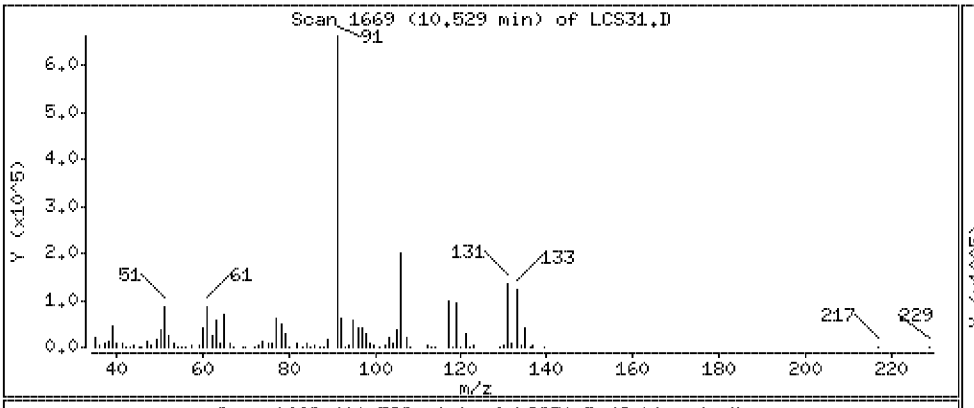
Client ID: 121709LCSA31 Instrument: vms03.i

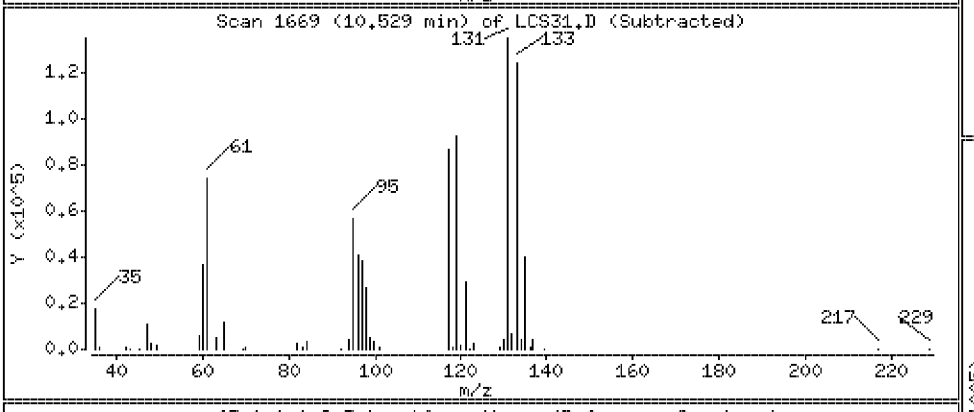
Sample Info: 121709LCSA31

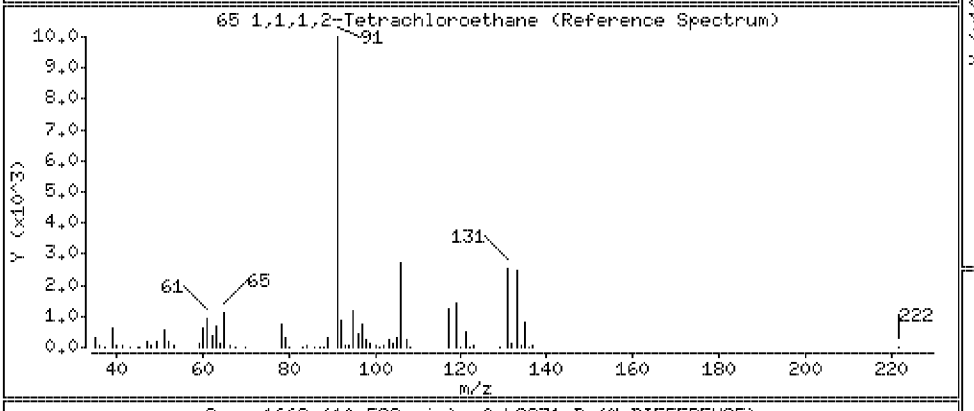
Purge Volume: 5.0 Operator:

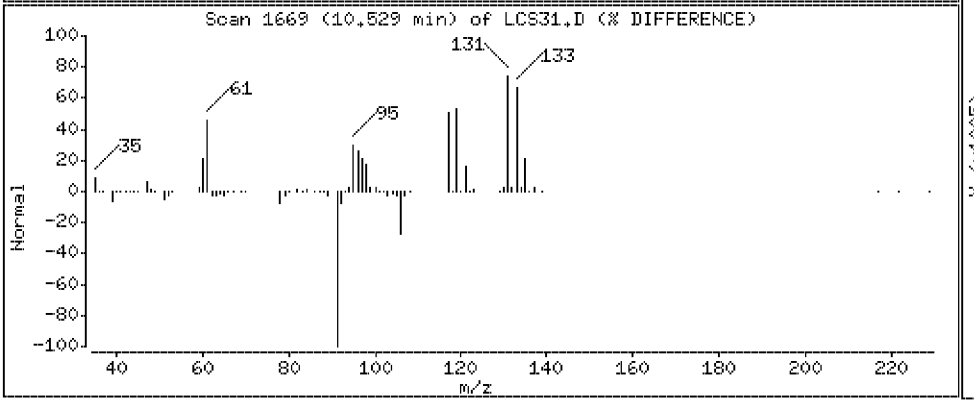
Column phase: DB-624 Column diameter: 0.18

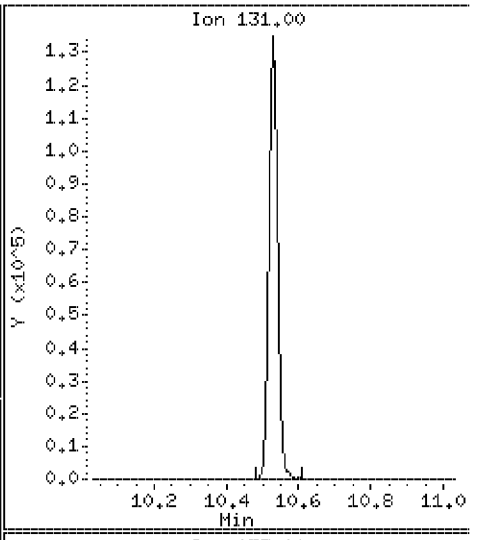
65 1,1,1,2-Tetrachloroethane Concentration: 20.8 ug/l

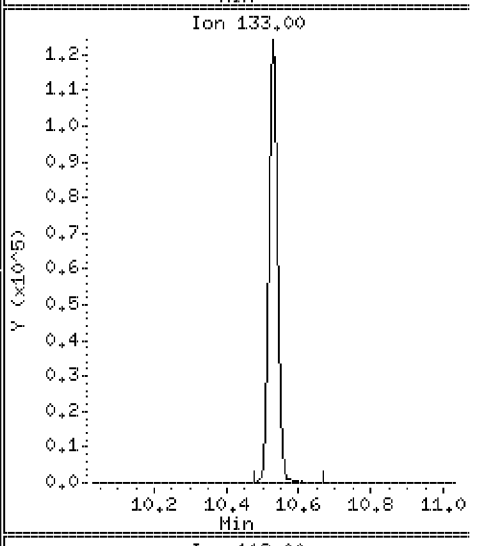


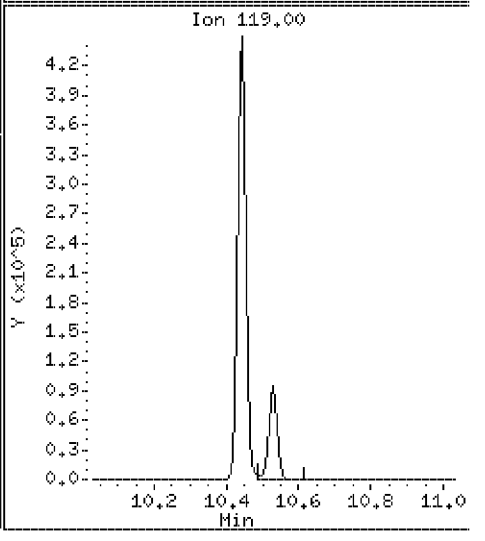












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

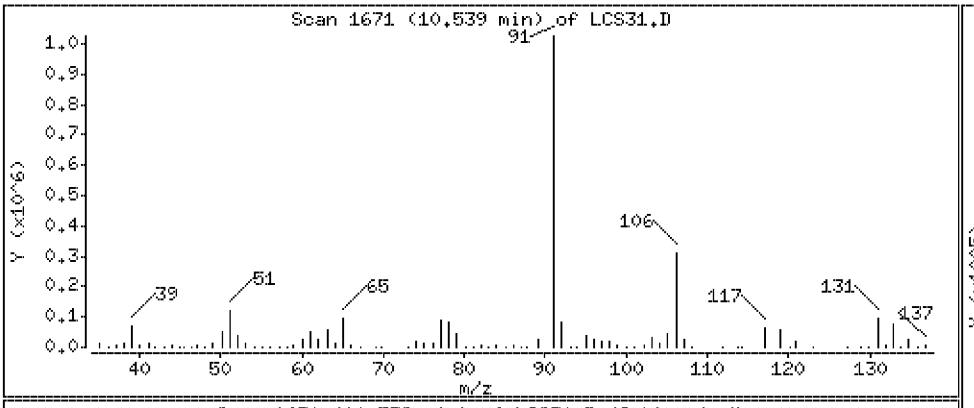
Operator:

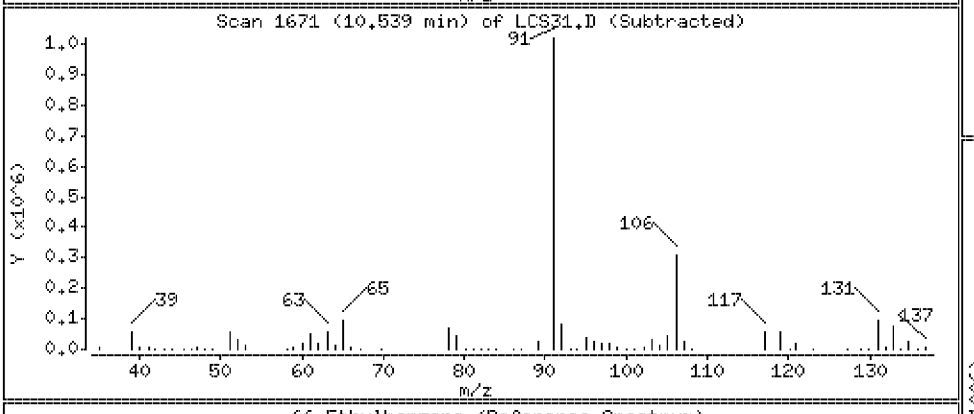
Column phase: DB-624

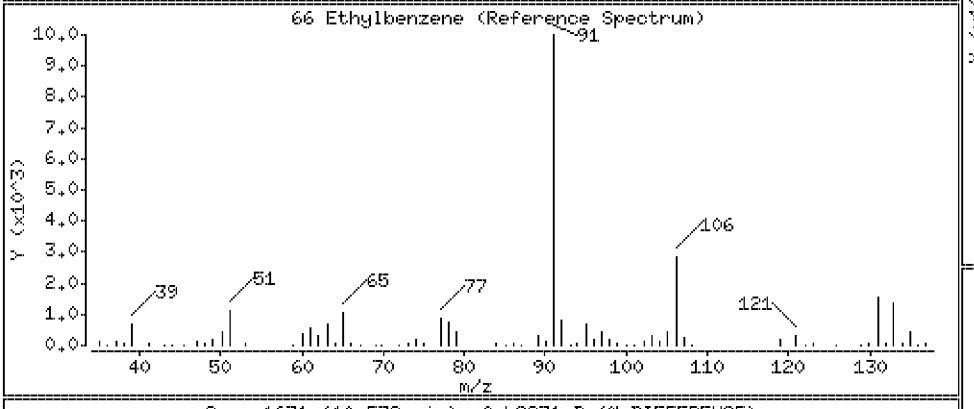
Column diameter: 0.18

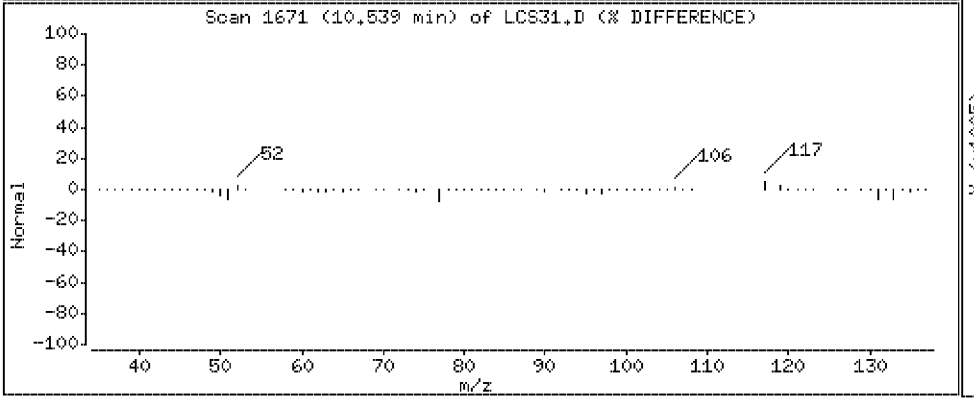
66 Ethylbenzene

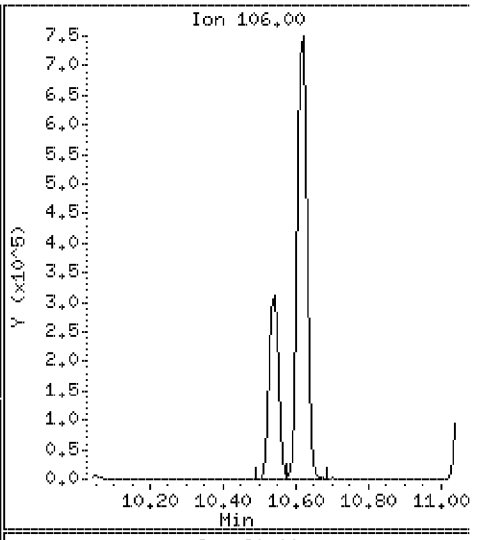
Concentration: 21.5 ug/l

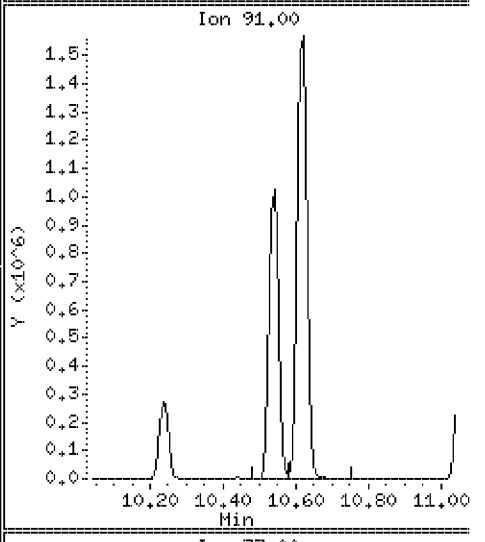


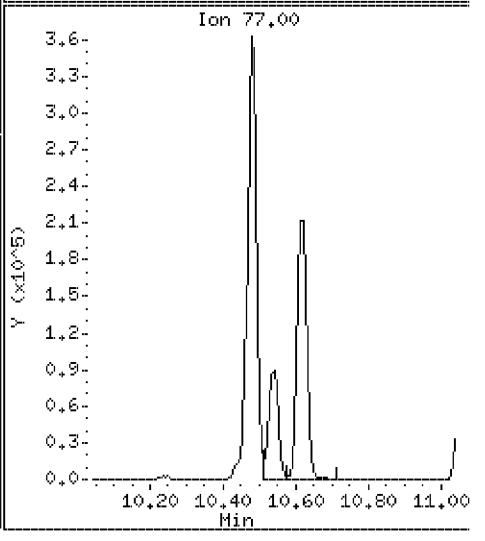












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

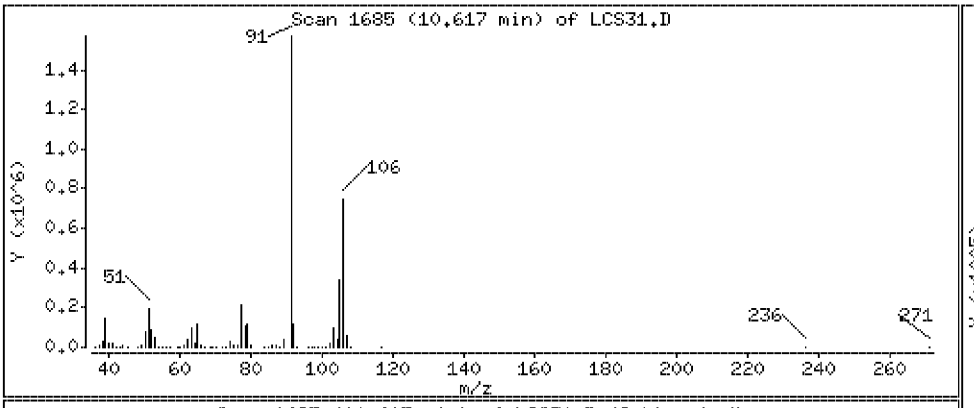
Client ID: 121709LCSA31 | Instrument: vms03.i

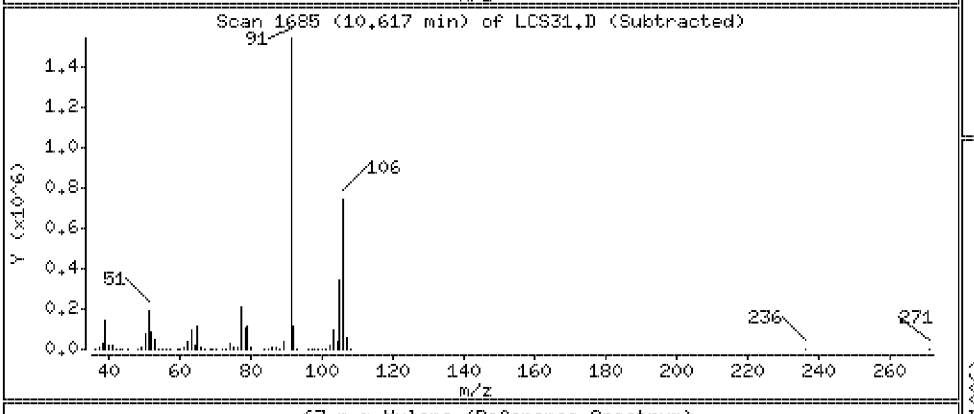
Sample Info: 121709LCSA31

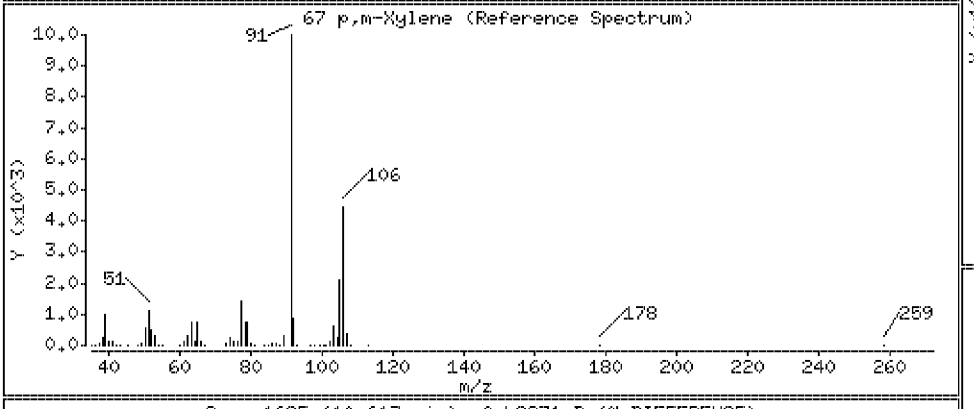
Purge Volume: 5.0 | Operator:

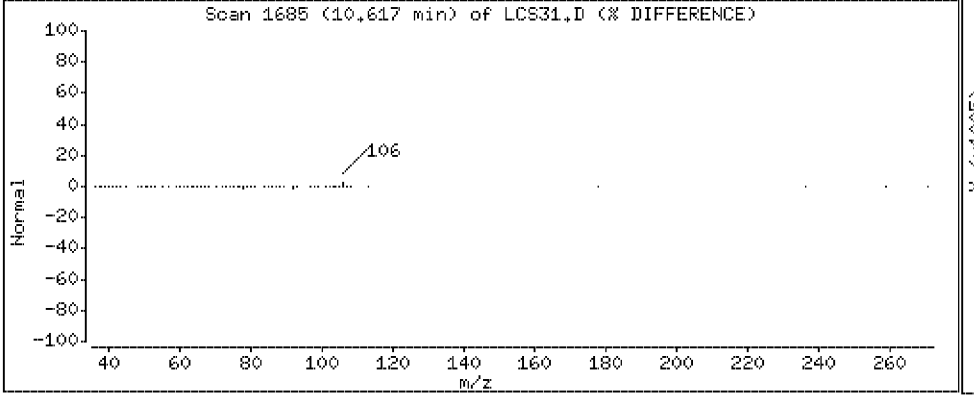
Column phase: DB-624 | Column diameter: 0.18

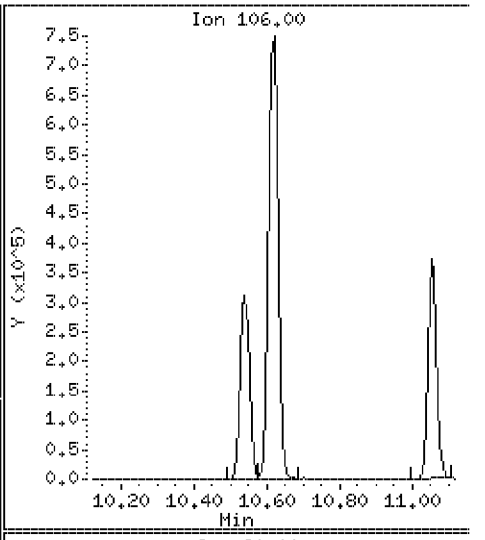
67 p,m-Xylene | Concentration: 40.7 ug/l

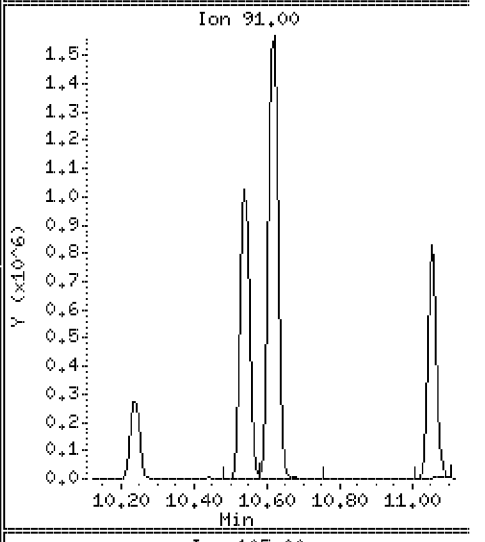


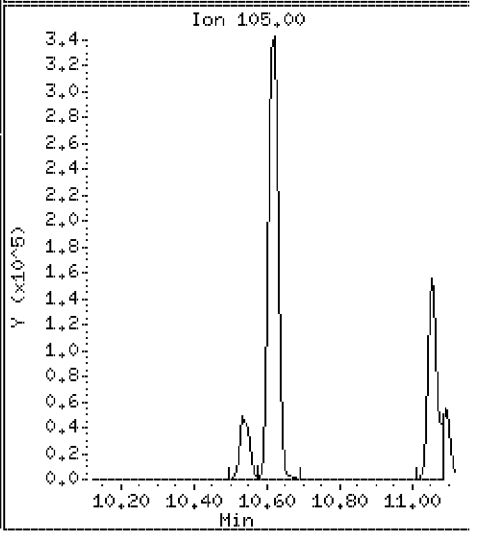












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

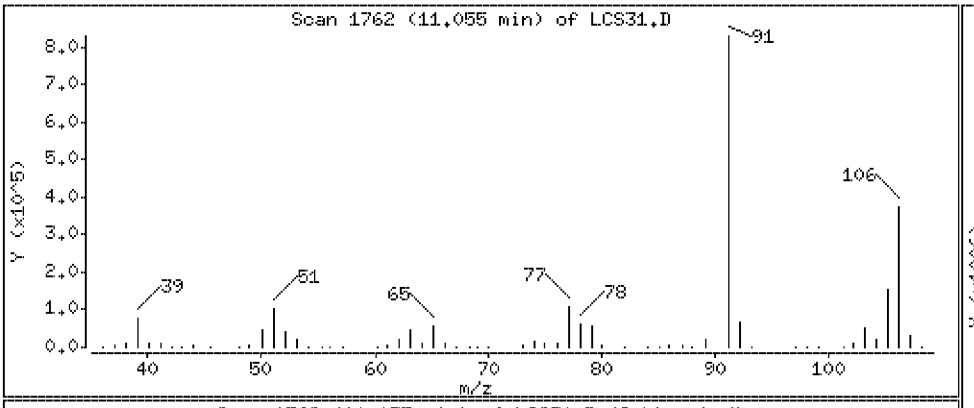
Client ID: 121709LCSA31 Instrument: vms03.i

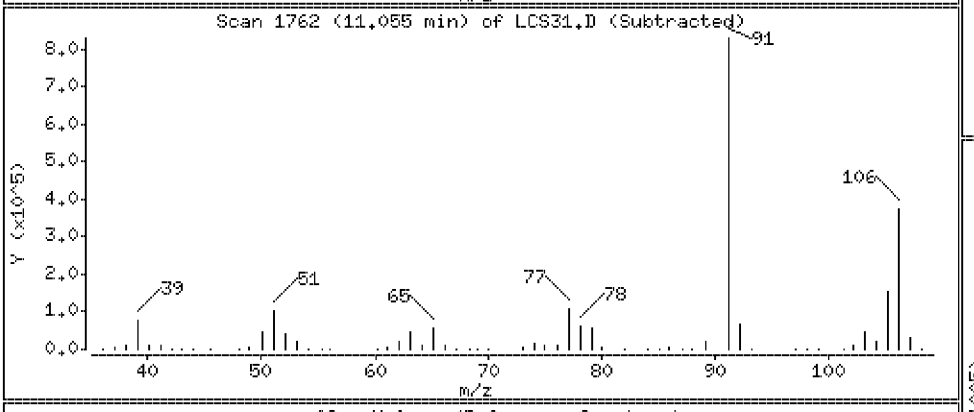
Sample Info: 121709LCSA31

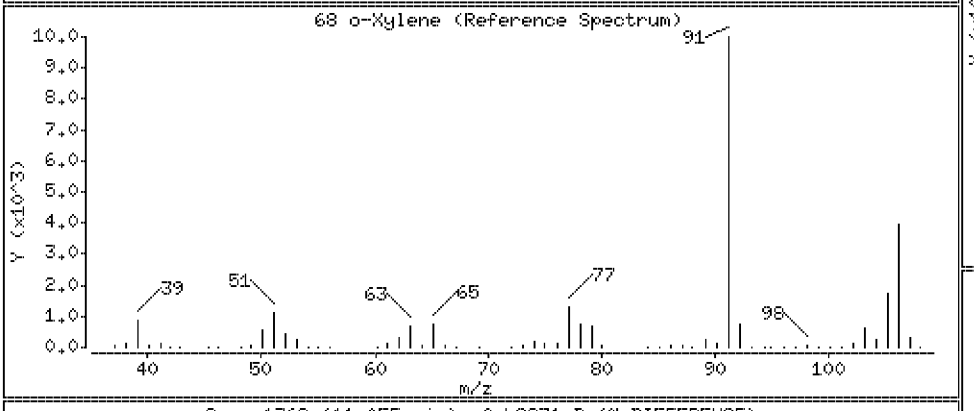
Purge Volume: 5.0 Operator:

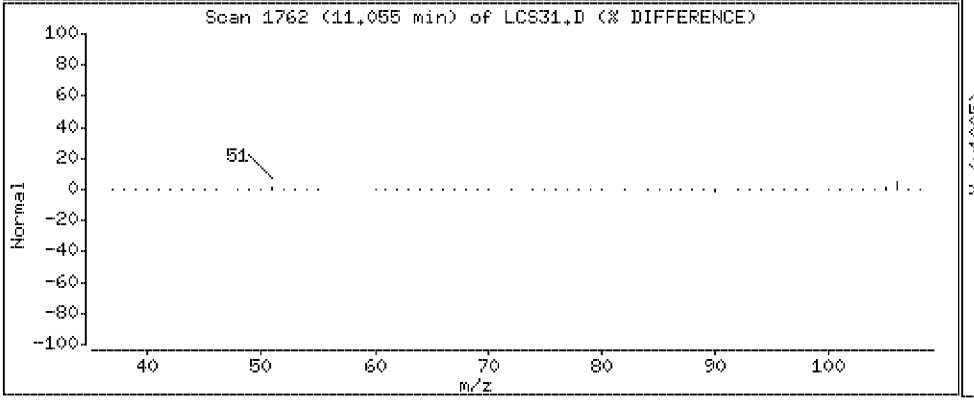
Column phase: DB-624 Column diameter: 0.18

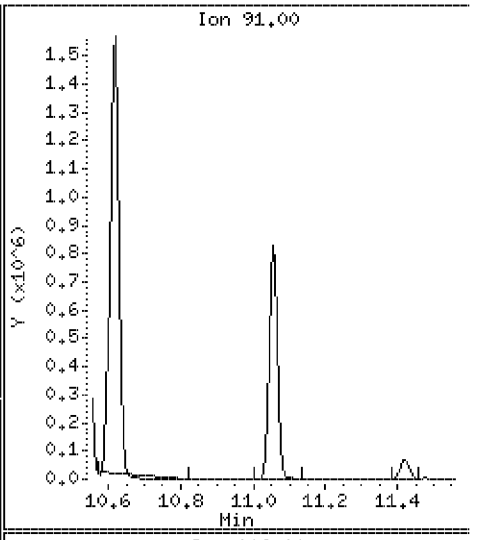
68 o-Xylene Concentration: 21.0 ug/l

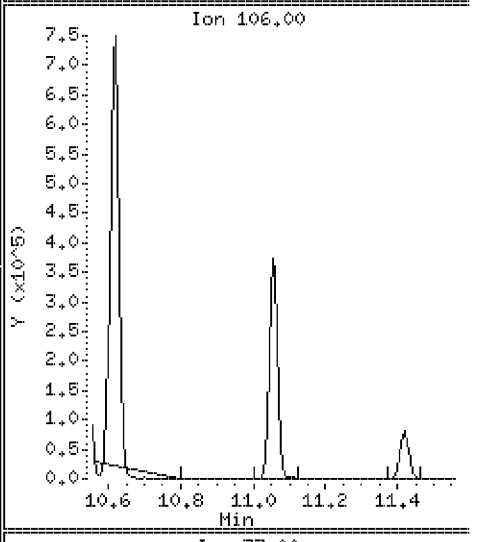


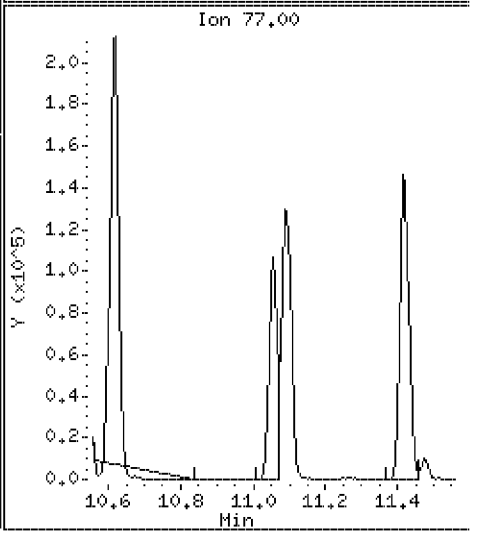












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

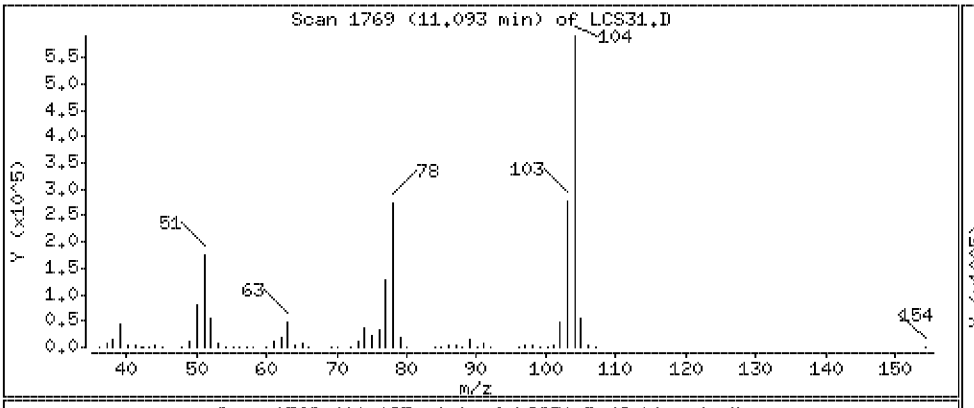
Client ID: 121709LCSA31 Instrument: vms03.i

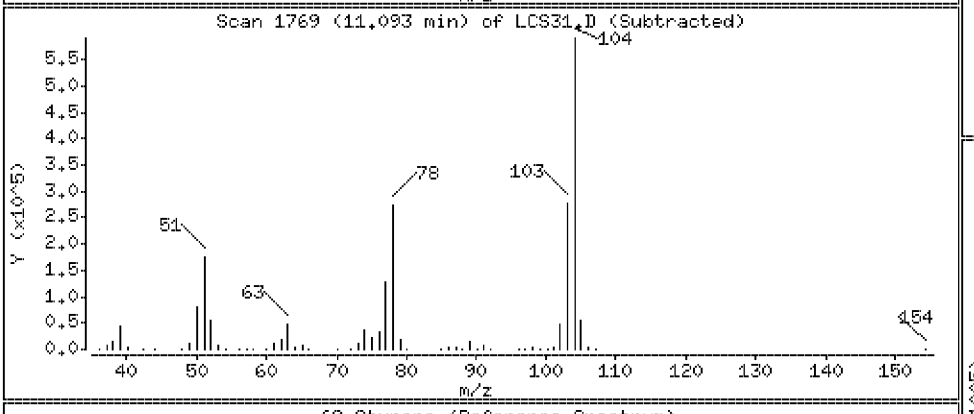
Sample Info: 121709LCSA31

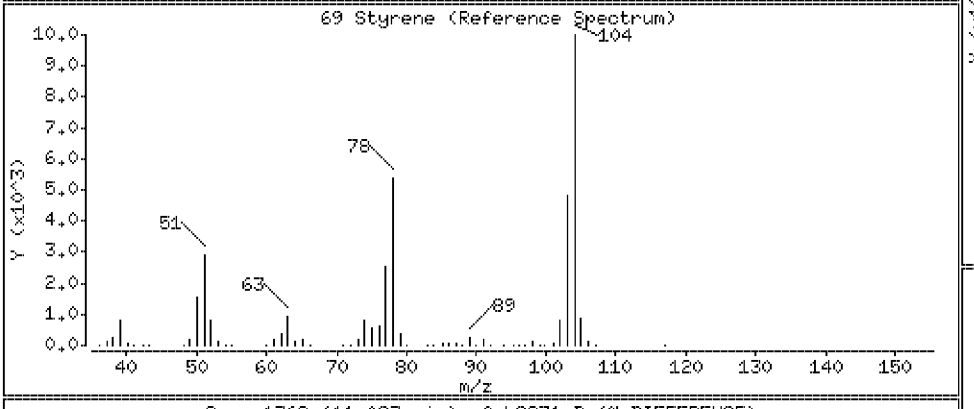
Purge Volume: 5.0 Operator:

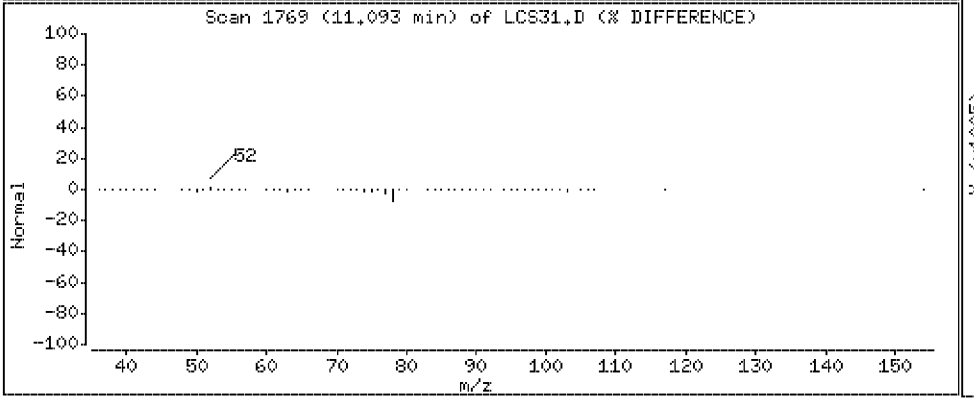
Column phase: DB-624 Column diameter: 0.18

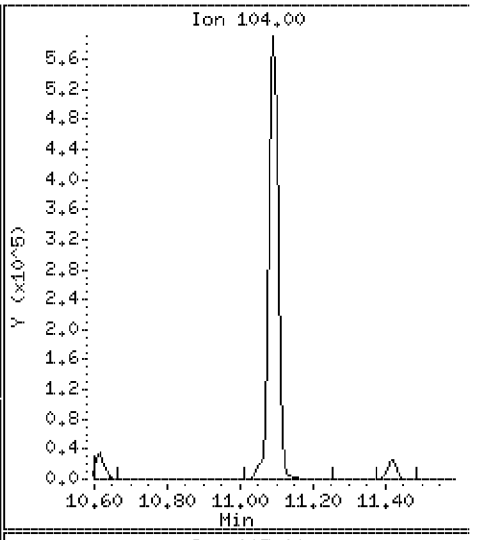
69 Styrene Concentration: 21.8 ug/l

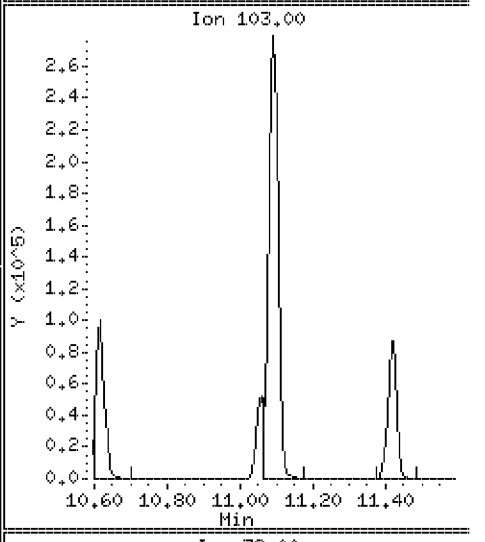


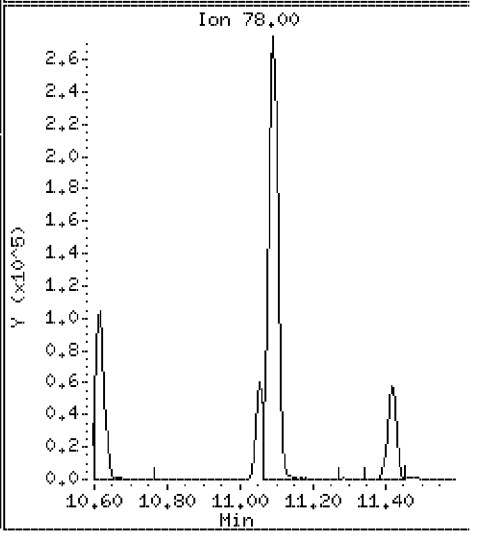












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

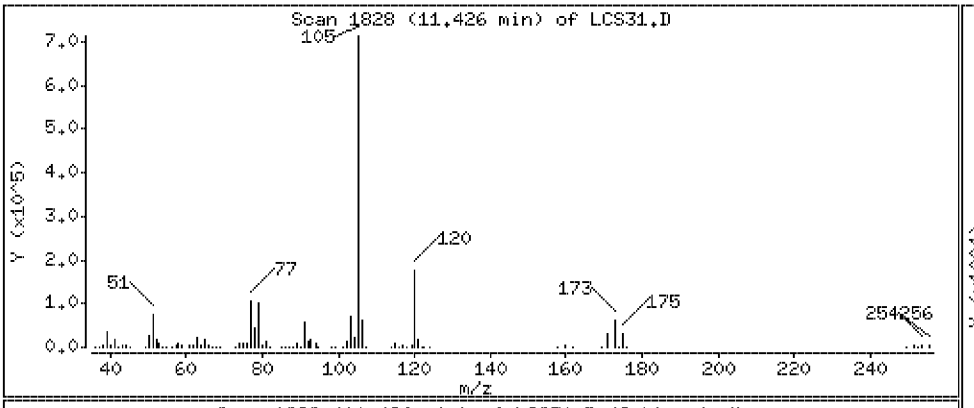
Client ID: 121709LCSA31 | Instrument: vms03.i

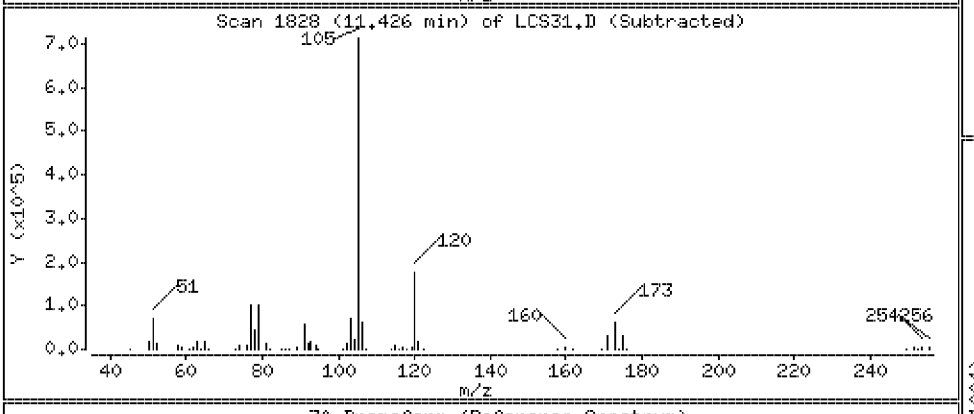
Sample Info: 121709LCSA31

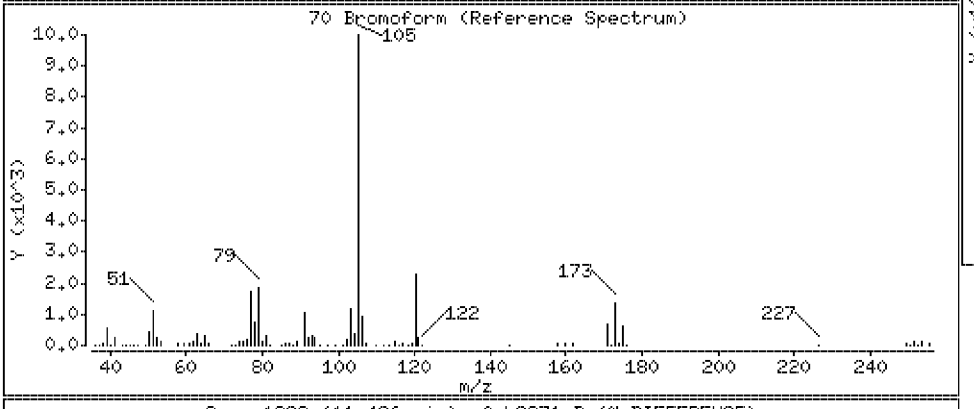
Purge Volume: 5.0 | Operator:

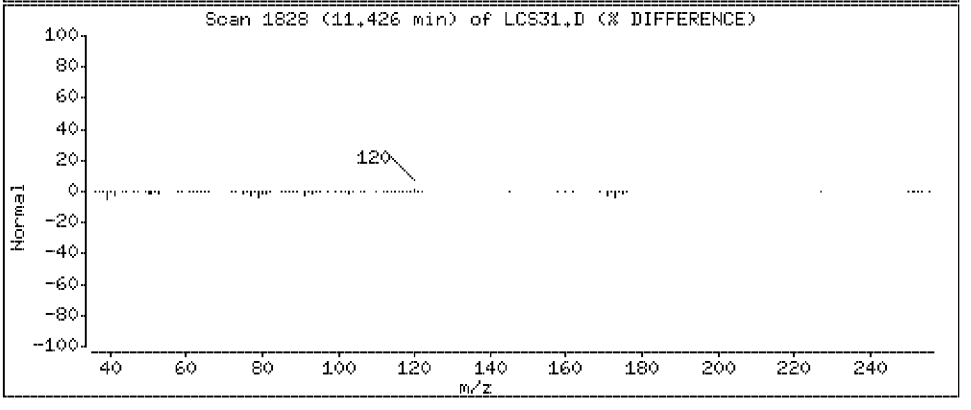
Column phase: DB-624 | Column diameter: 0.18

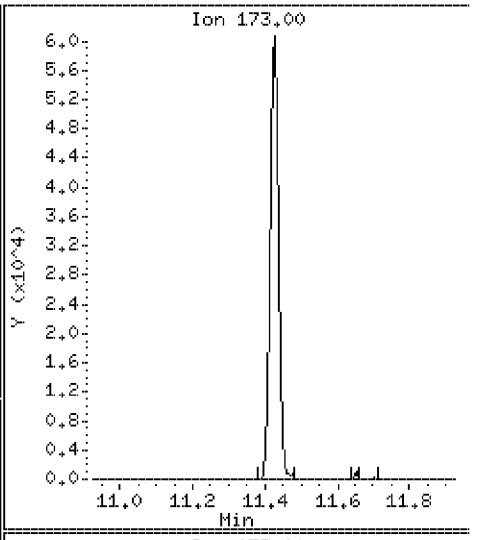
70 Bromoform | Concentration: 17.0 ug/l

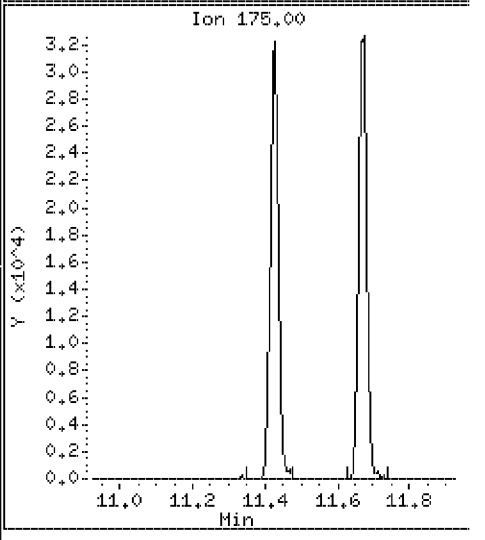












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

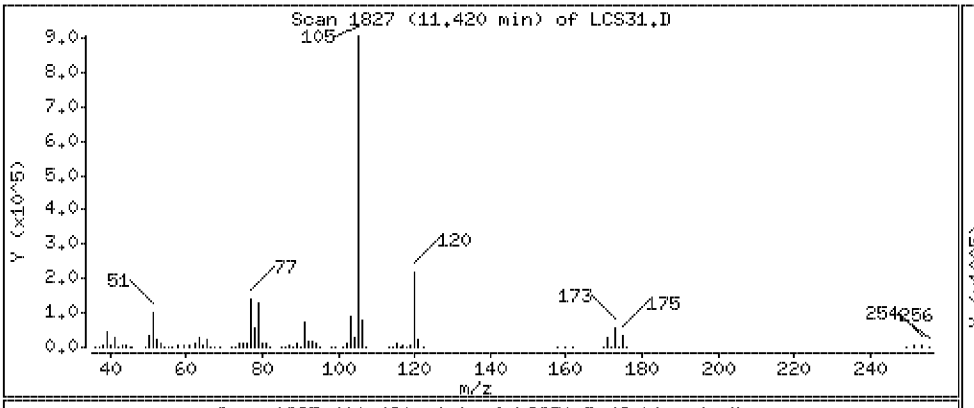
Client ID: 121709LCSA31 Instrument: vms03.i

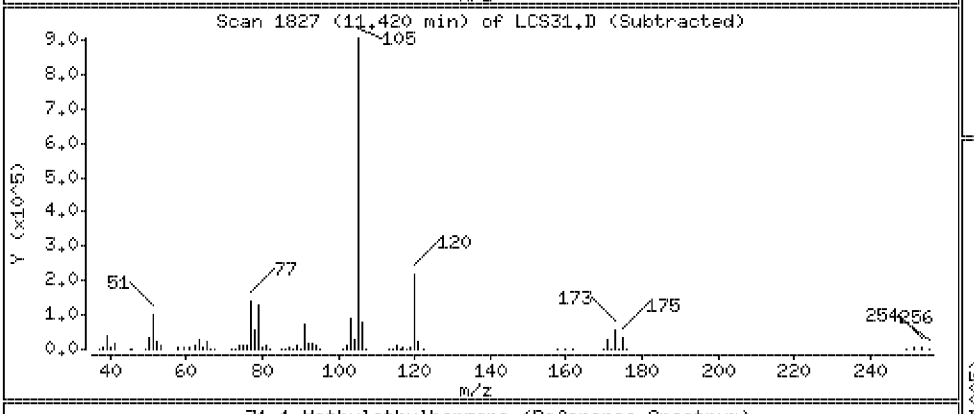
Sample Info: 121709LCSA31

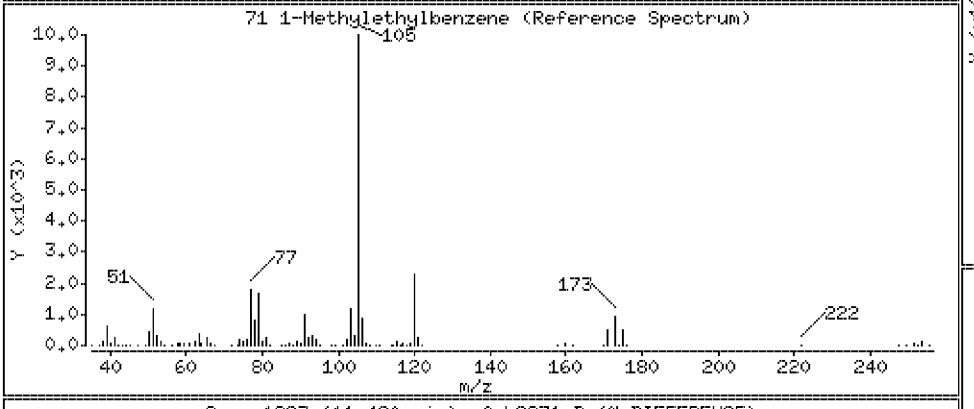
Purge Volume: 5.0 Operator:

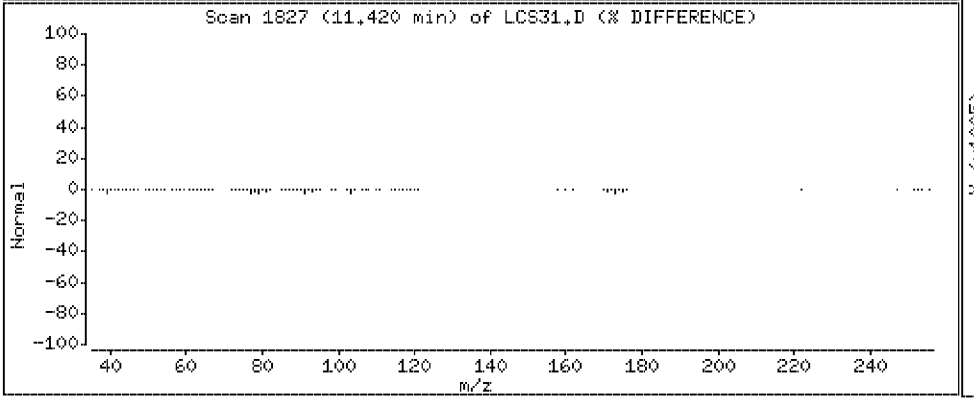
Column phase: DB-624 Column diameter: 0.18

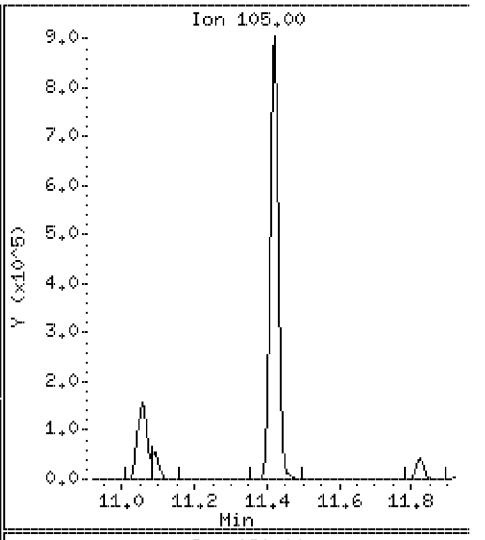
71 1-Methylethylbenzene Concentration: 21.7 ug/l

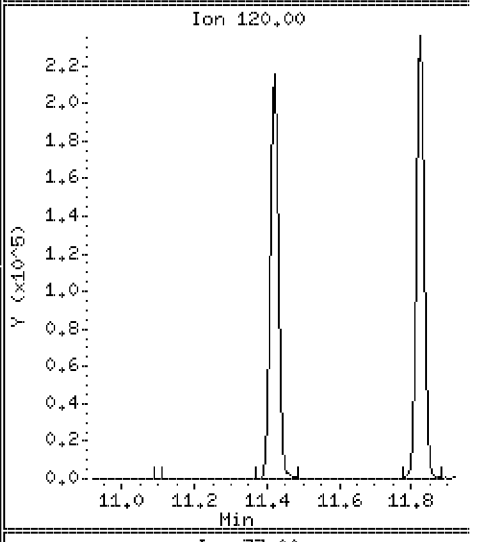


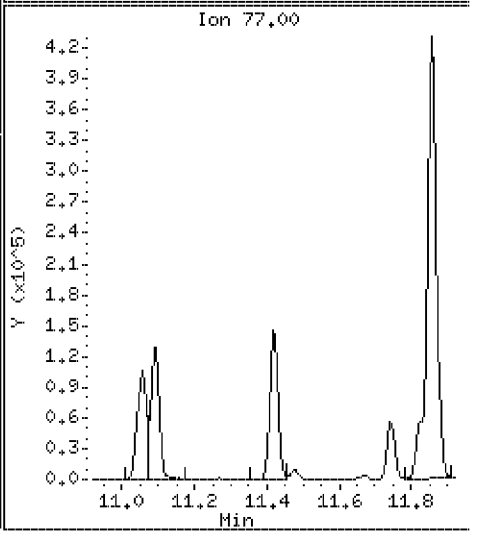












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

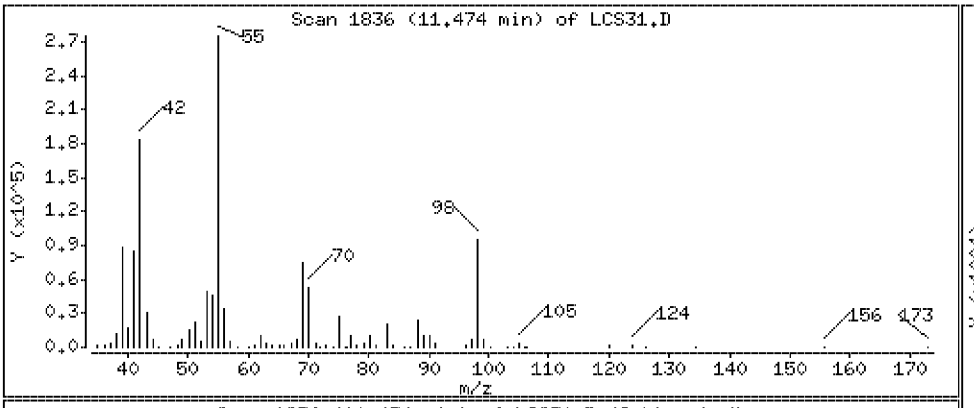
Operator:

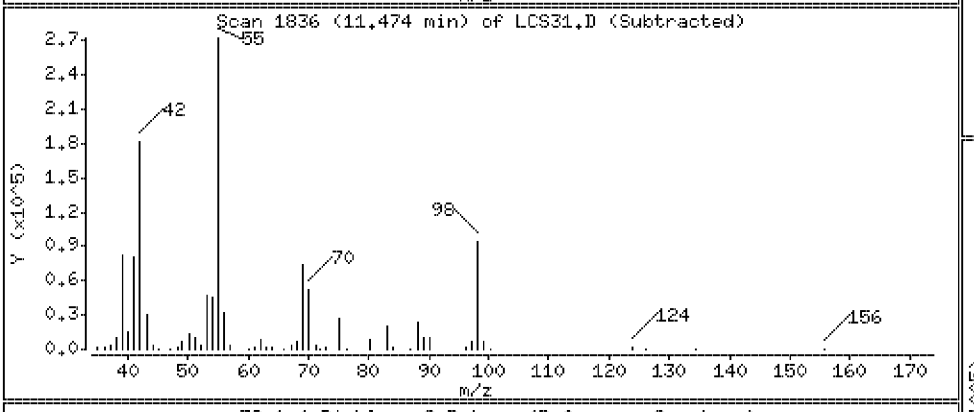
Column phase: DB-624

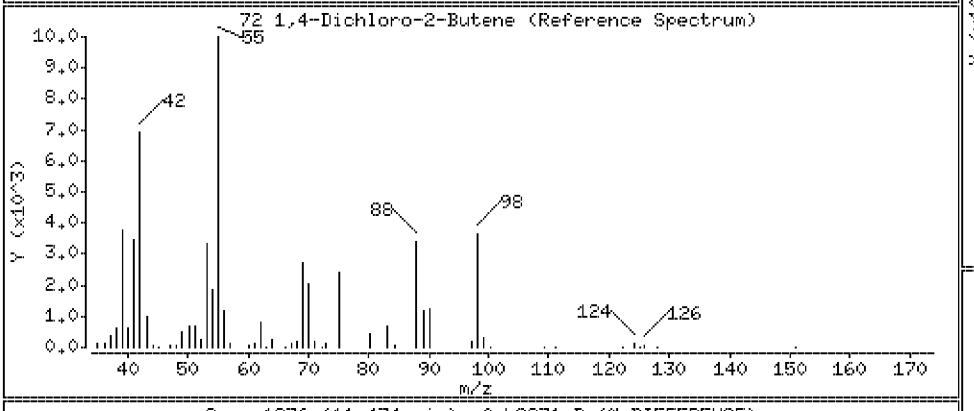
Column diameter: 0.18

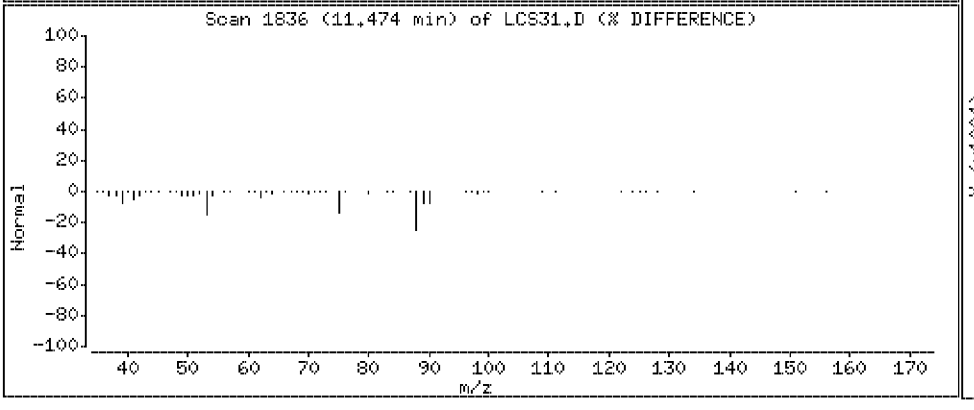
72 1,4-Dichloro-2-Butene

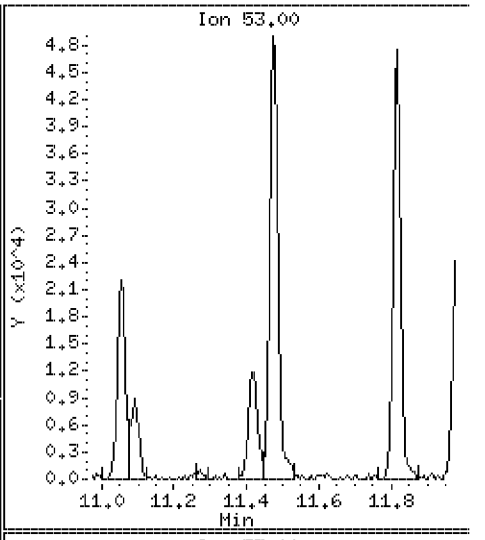
Concentration: 34.2 ug/l

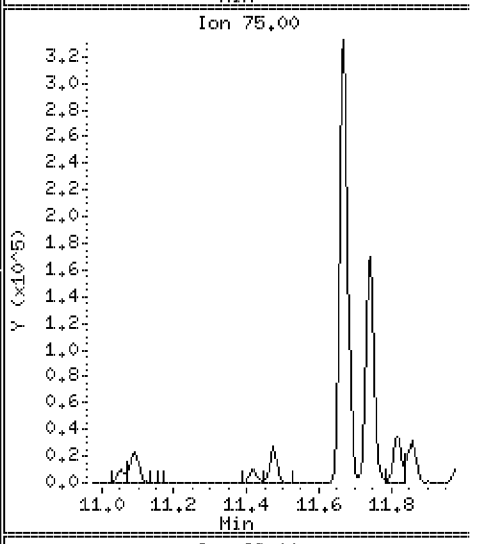


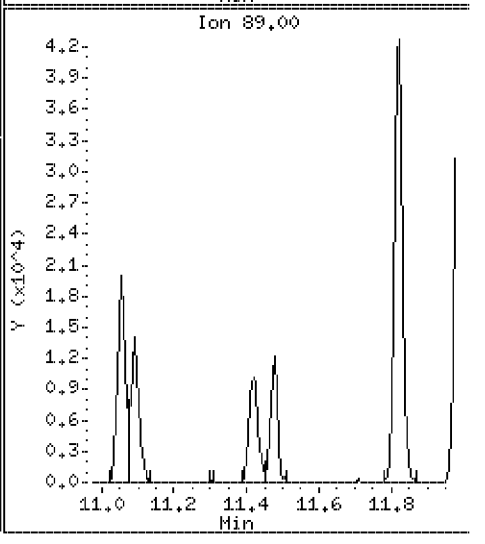












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

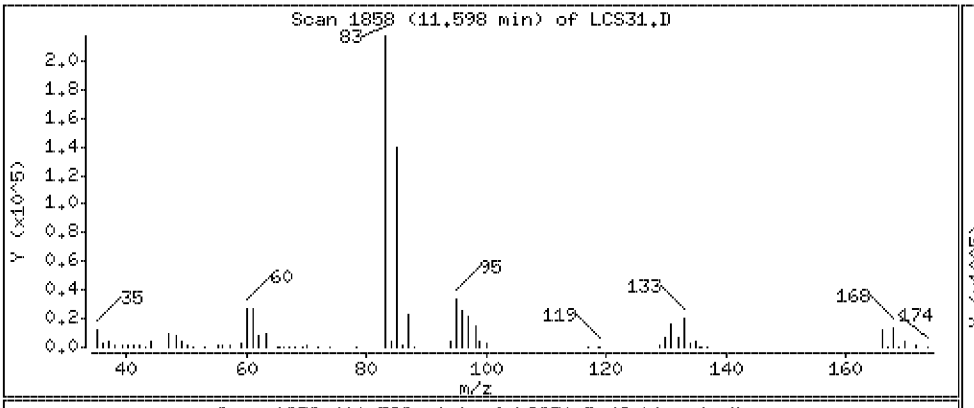
Client ID: 121709LCSA31 Instrument: vms03.i

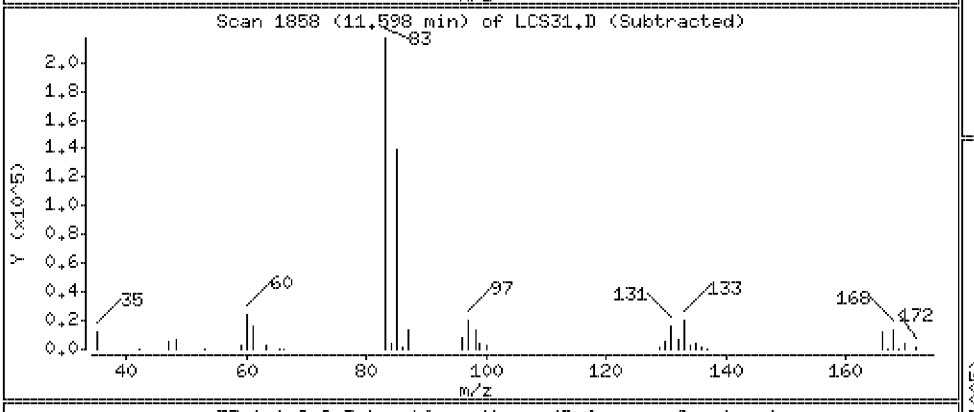
Sample Info: 121709LCSA31

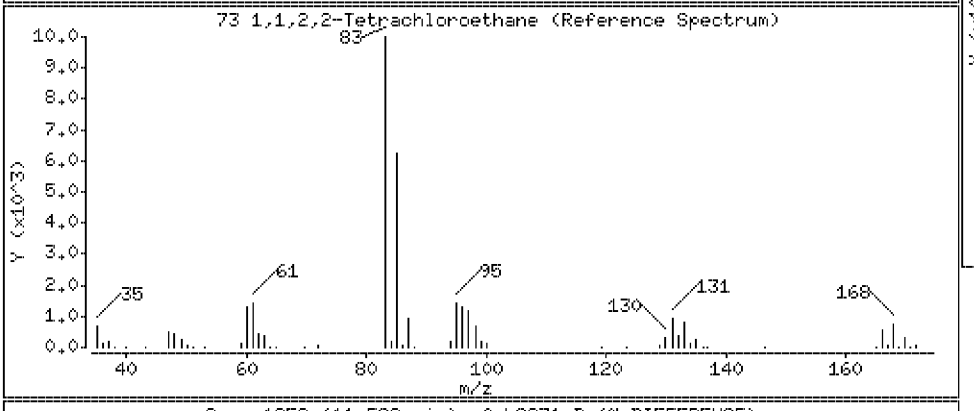
Purge Volume: 5.0 Operator:

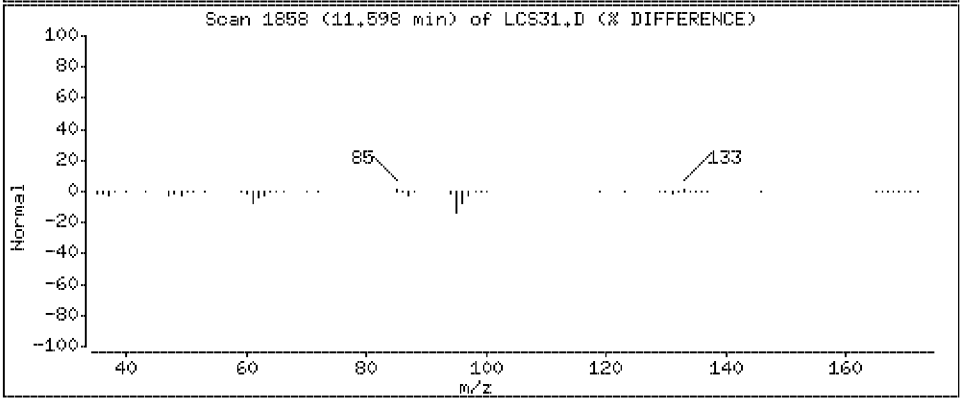
Column phase: DB-624 Column diameter: 0.18

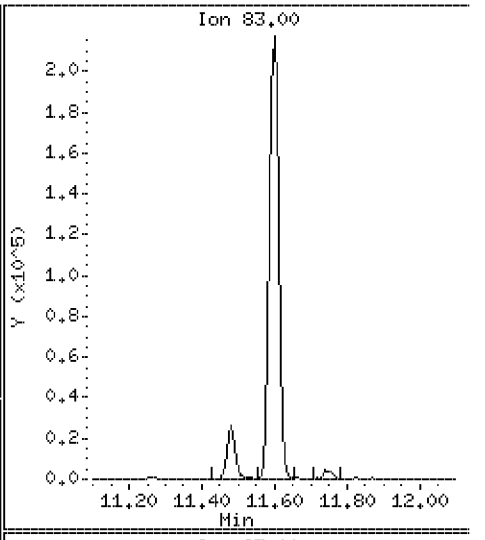
73 1,1,2,2-Tetrachloroethane Concentration: 19.6 ug/l

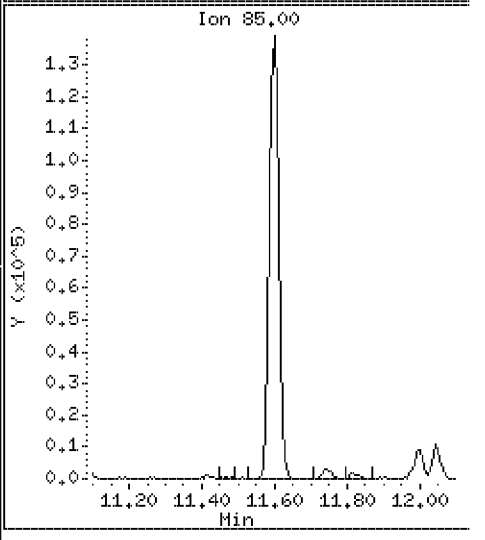












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

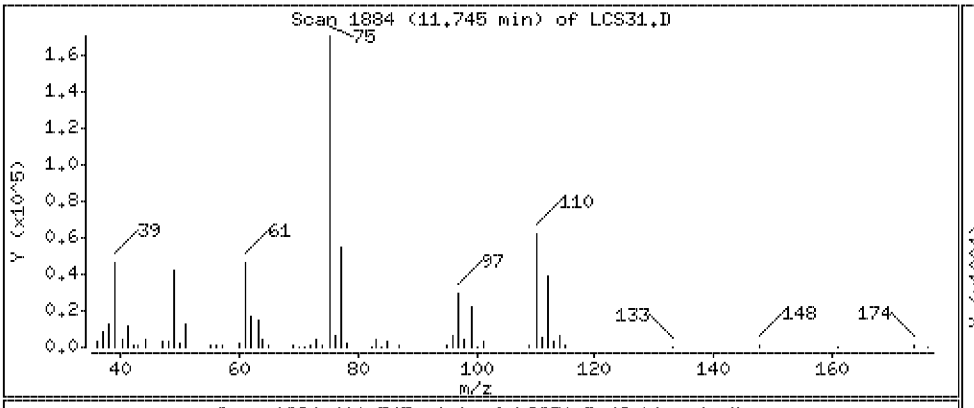
Client ID: 121709LCSA31 Instrument: vms03.i

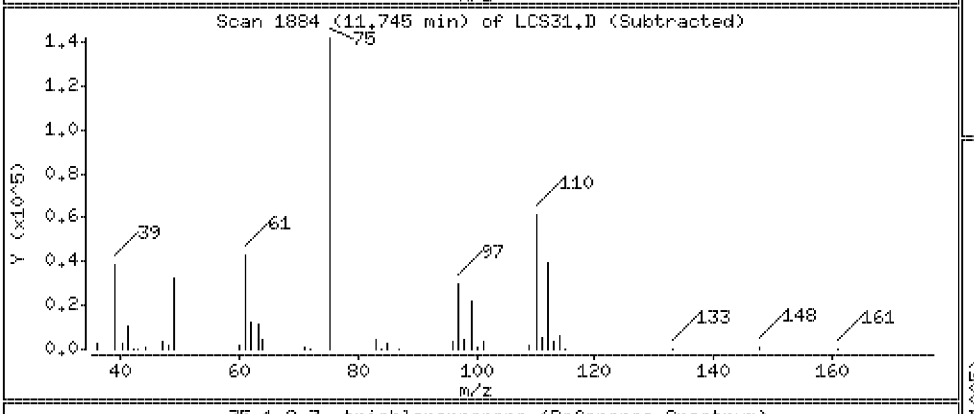
Sample Info: 121709LCSA31

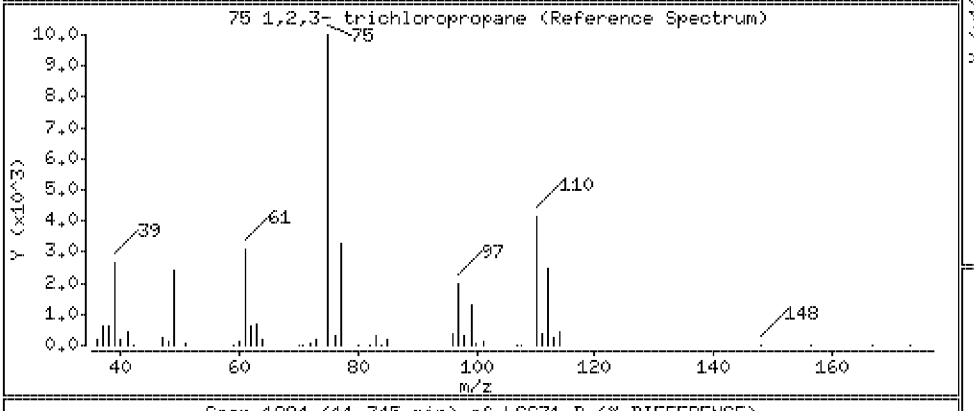
Purge Volume: 5.0 Operator:

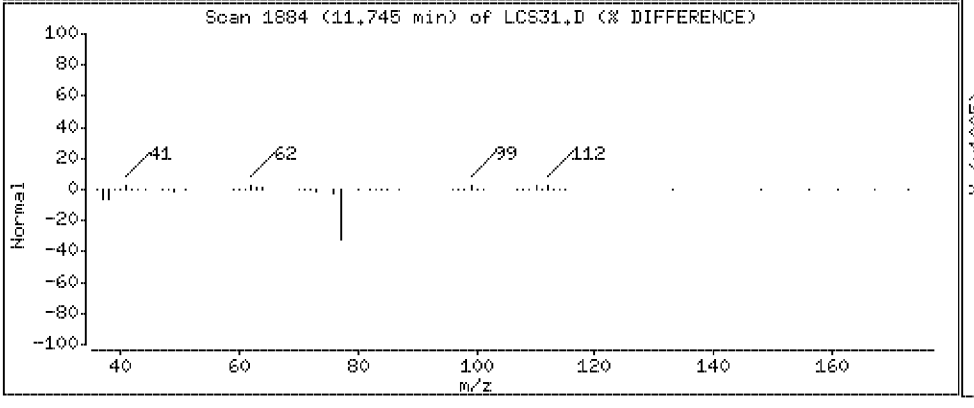
Column phase: DB-624 Column diameter: 0.18

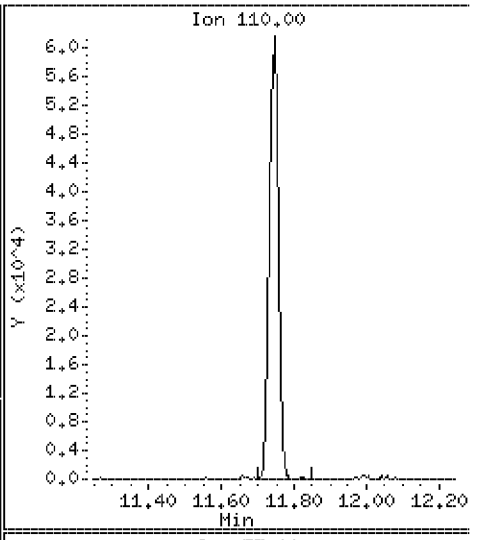
75 1,2,3- trichloropropane Concentration: 20.1 ug/l

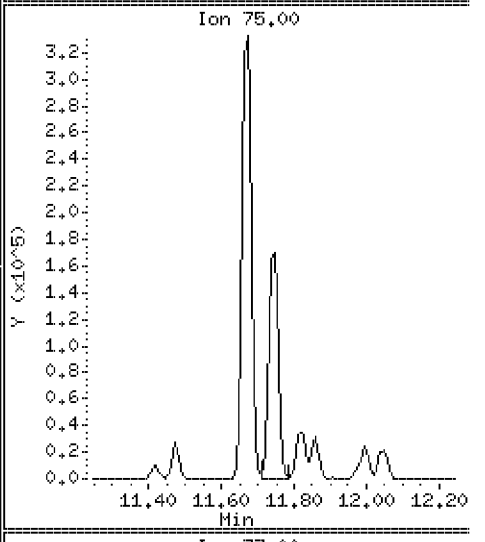


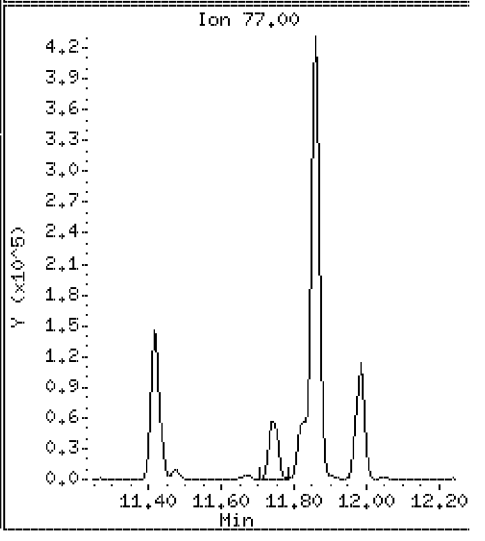












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

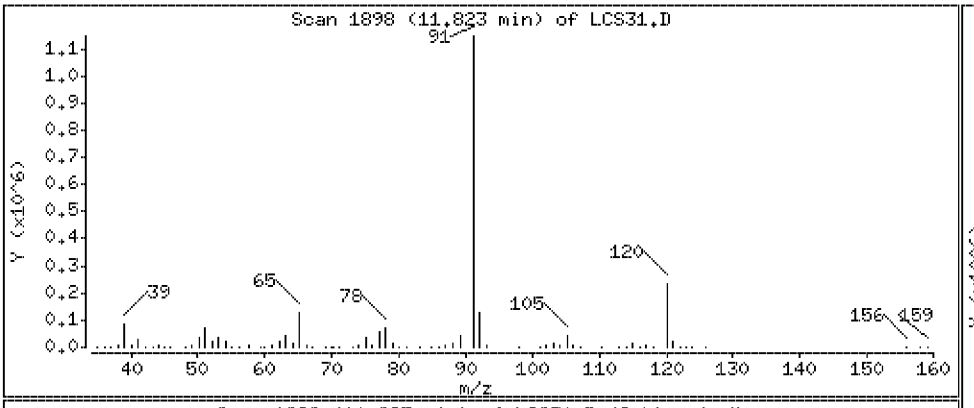
Operator:

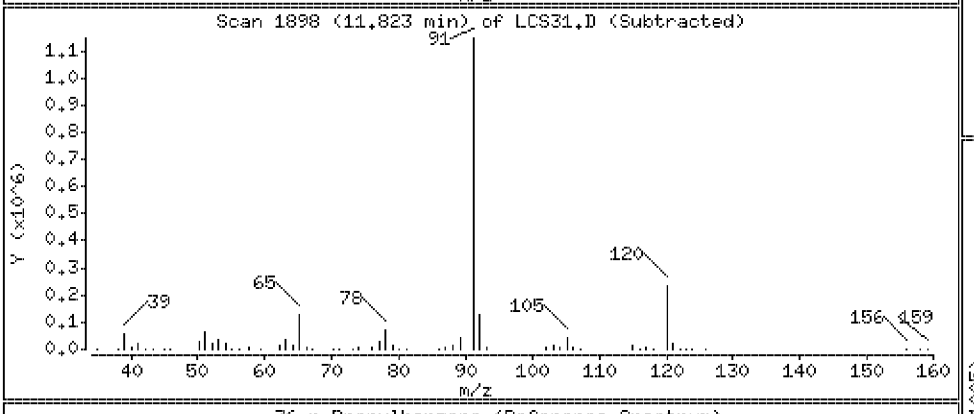
Column phase: DB-624

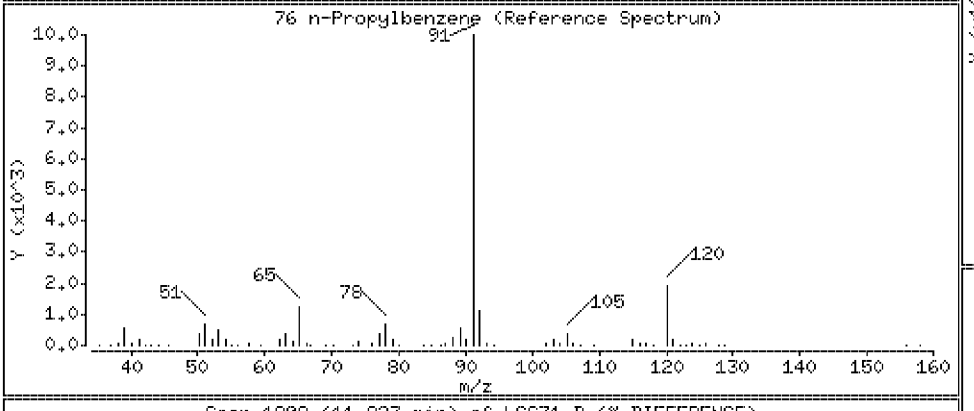
Column diameter: 0.18

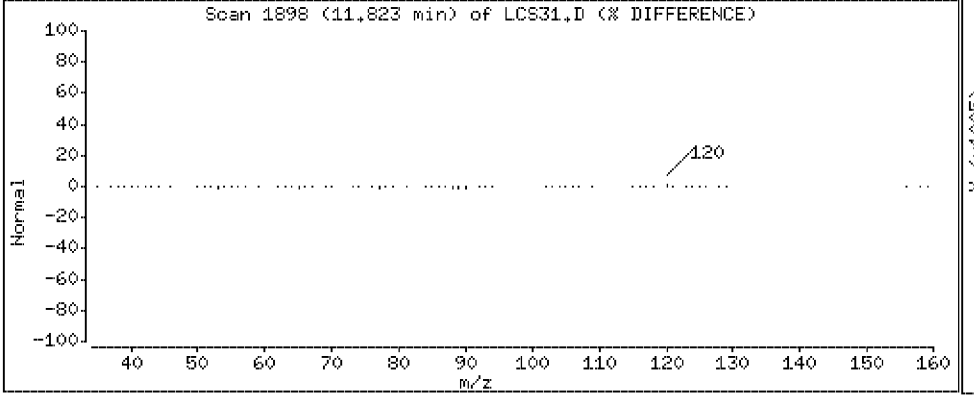
76 n-Propylbenzene

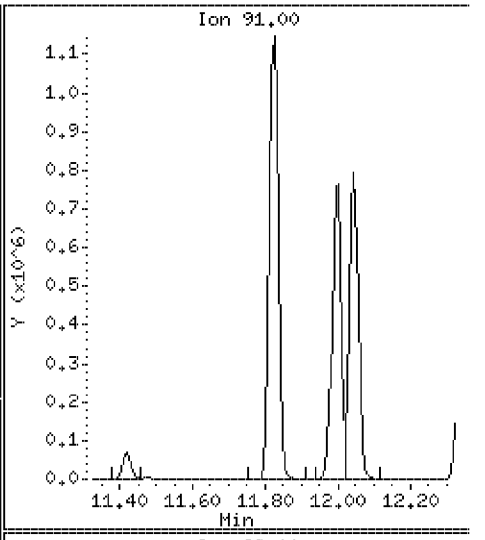
Concentration: 21.9 ug/l

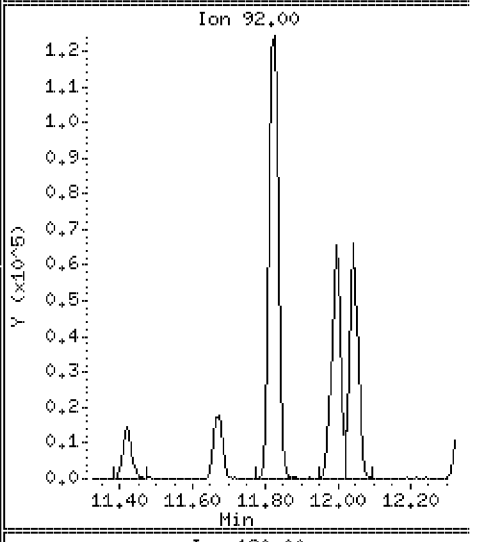


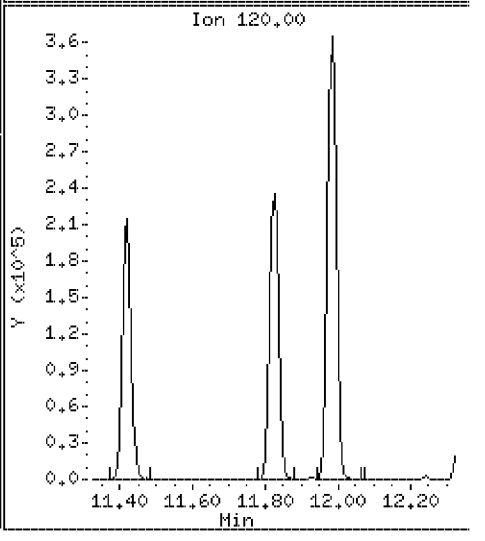












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

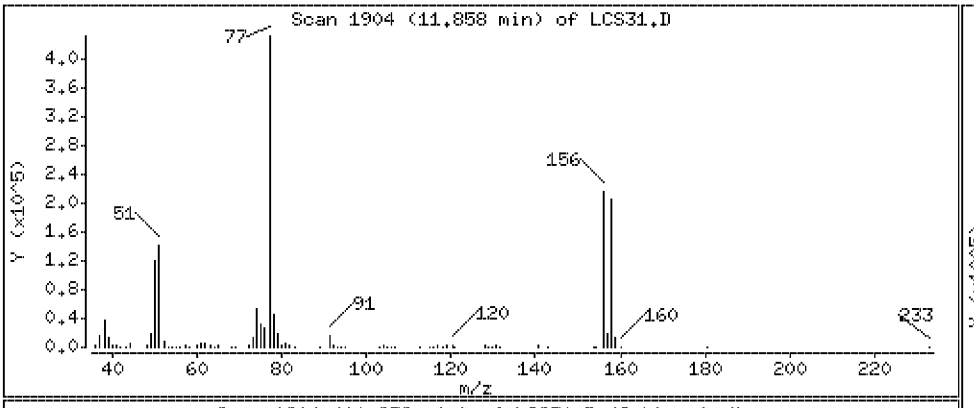
Operator:

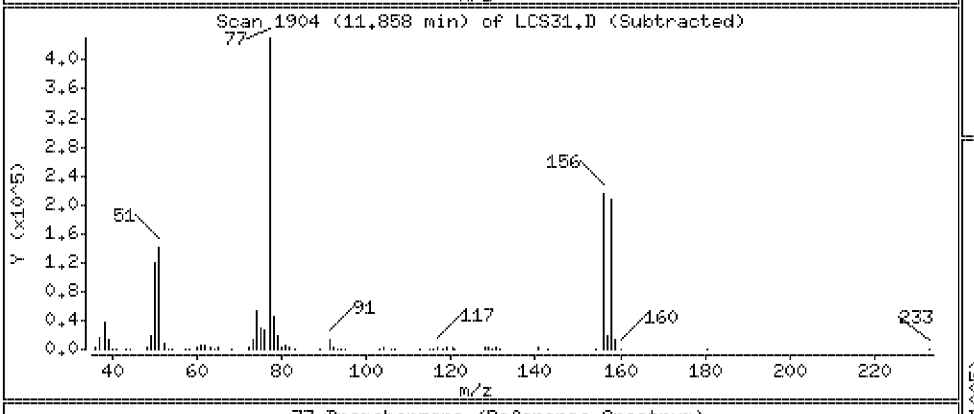
Column phase: DB-624

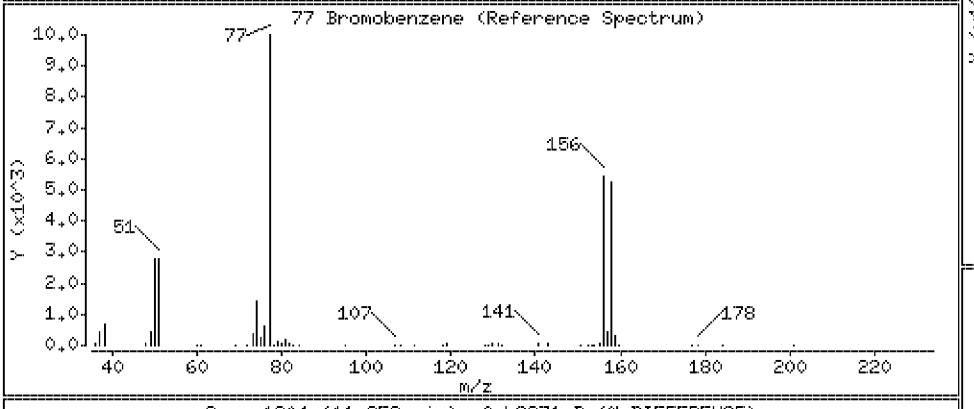
Column diameter: 0.18

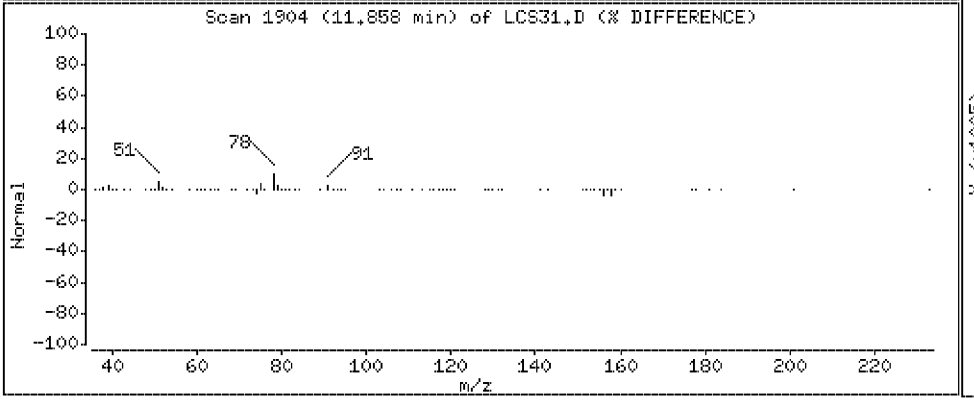
77 Bromobenzene

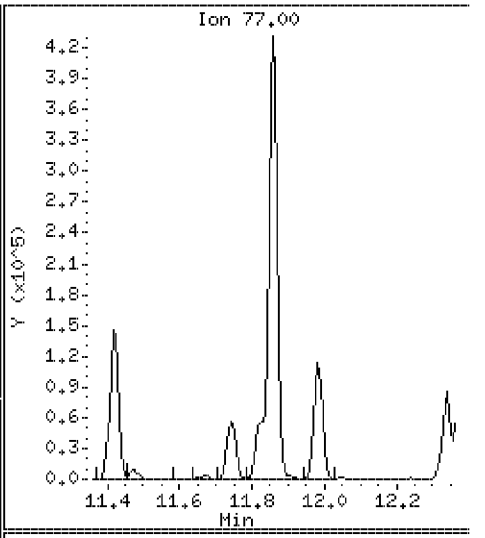
Concentration: 20.5 ug/l

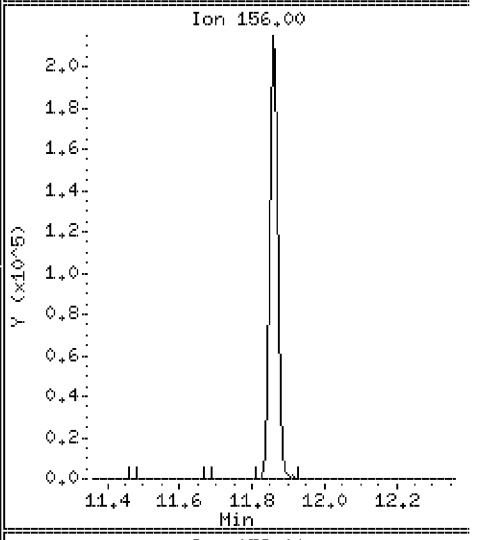


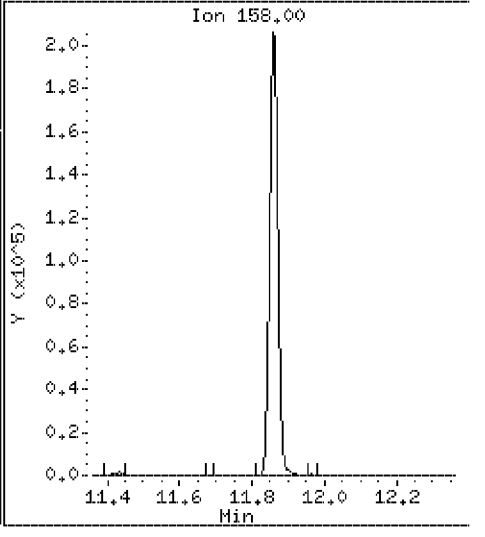












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

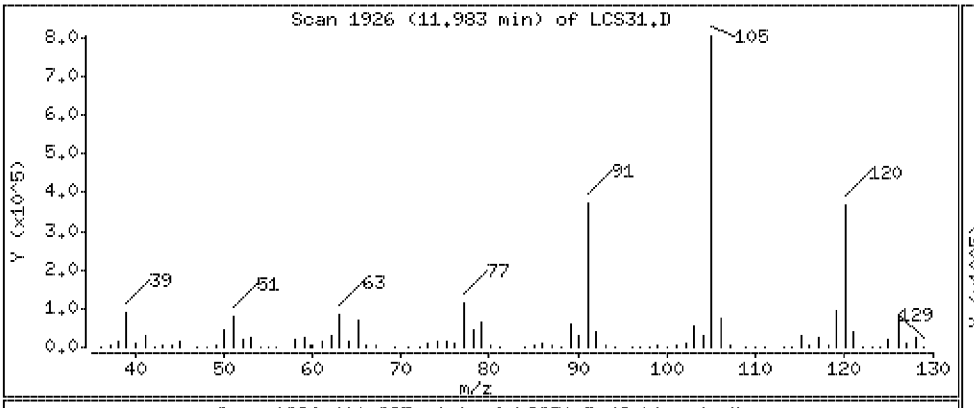
Operator:

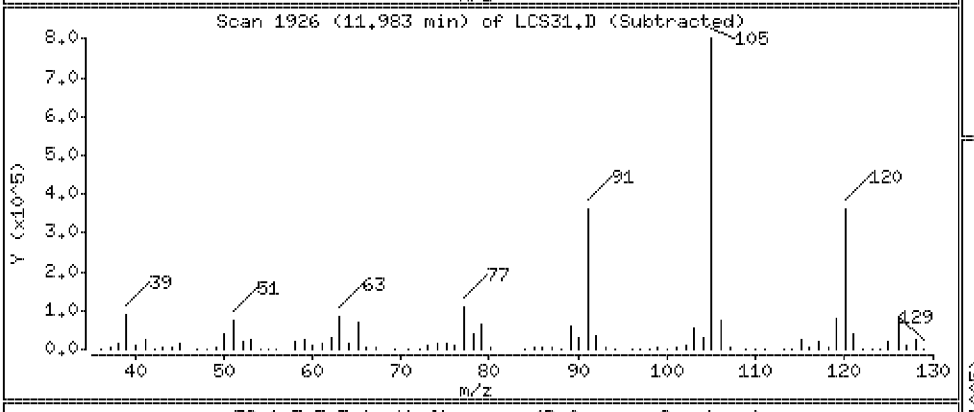
Column phase: DB-624

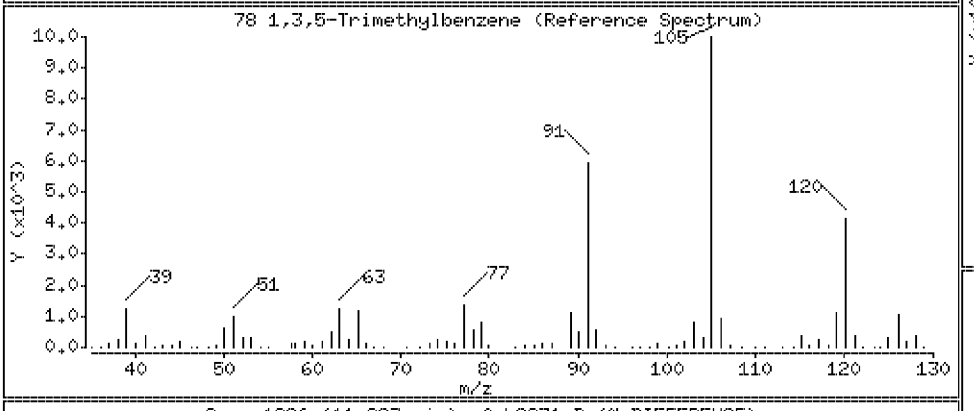
Column diameter: 0.18

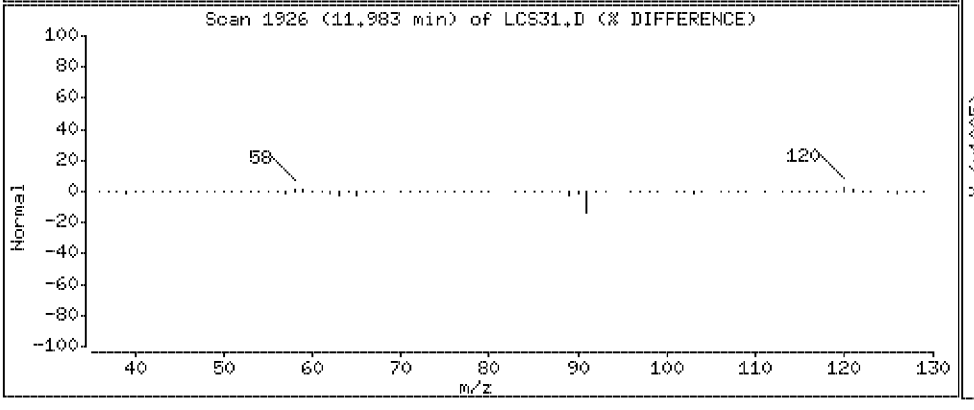
78 1,3,5-Trimethylbenzene

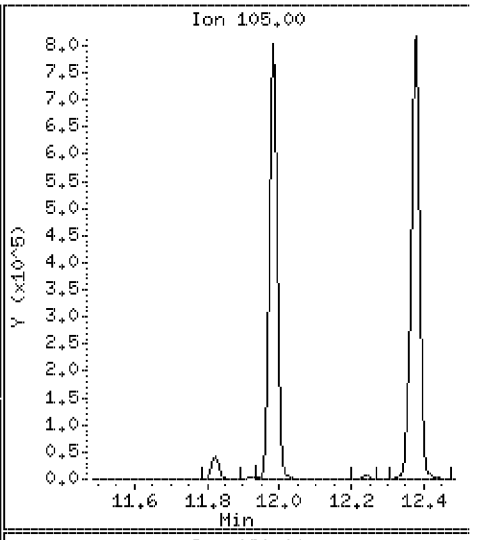
Concentration: 21.8 ug/l

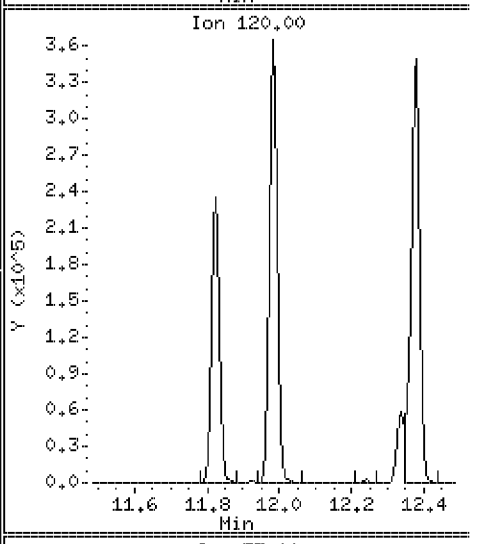


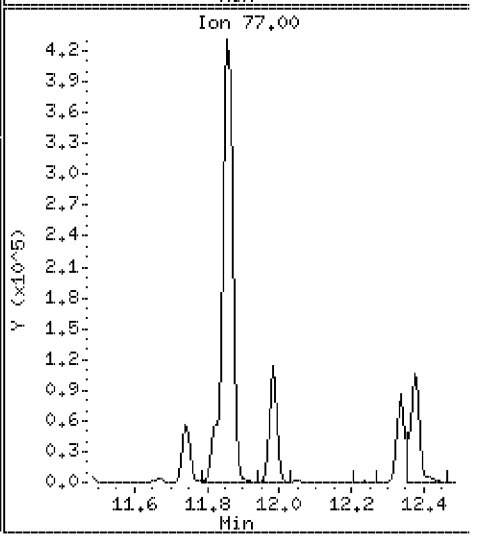












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

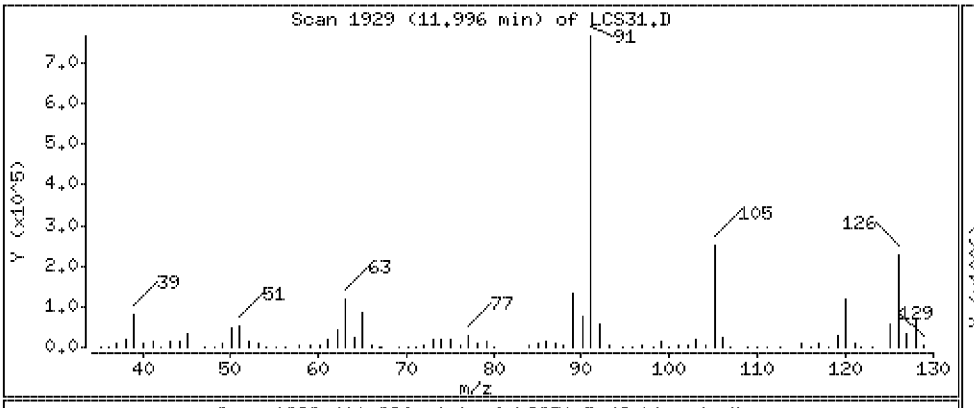
Operator:

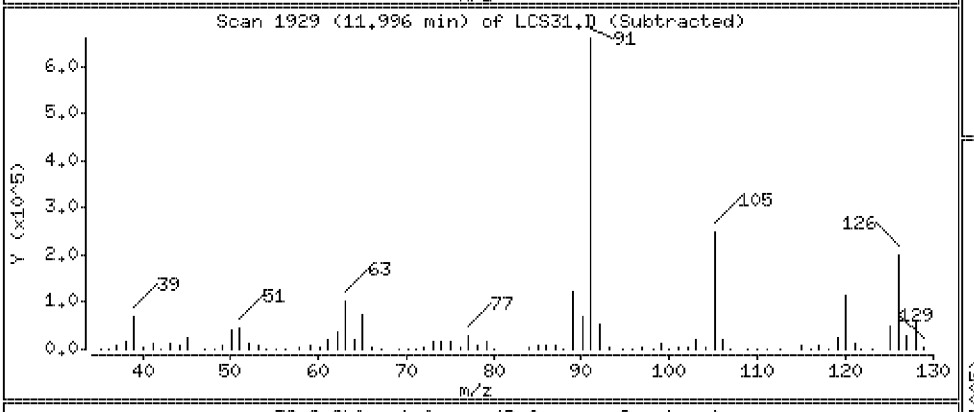
Column phase: DB-624

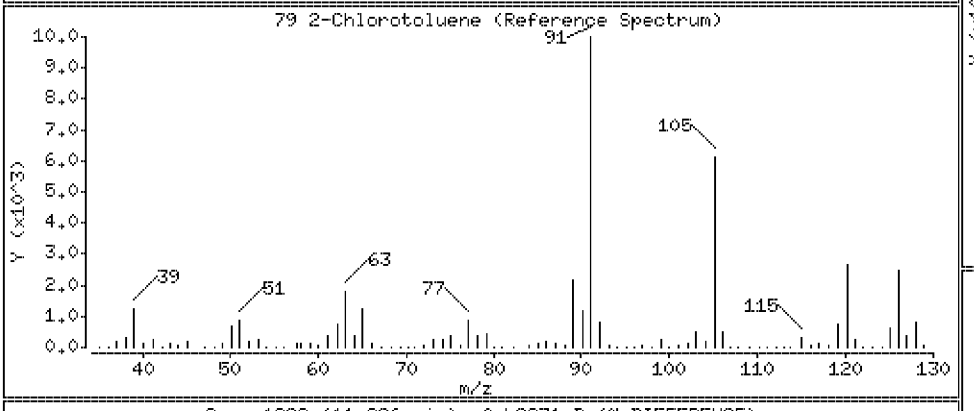
Column diameter: 0.18

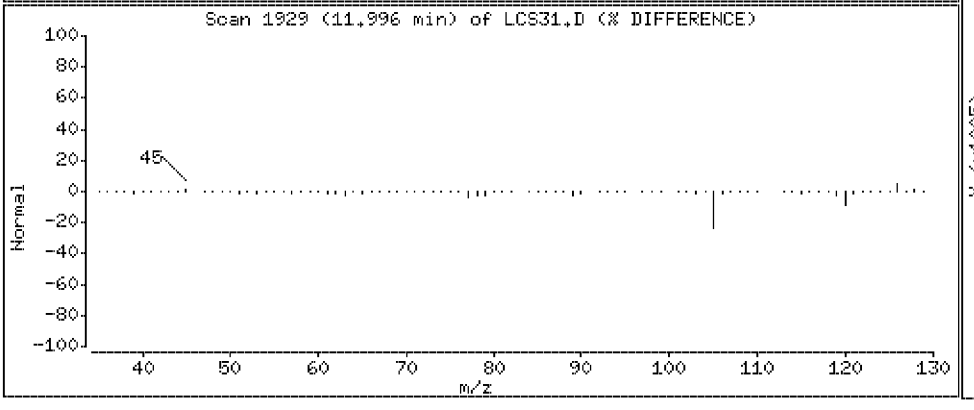
79 2-Chlorotoluene

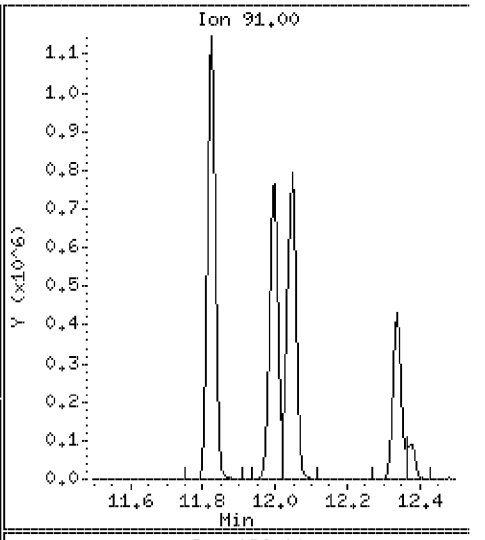
Concentration: 21.4 ug/l

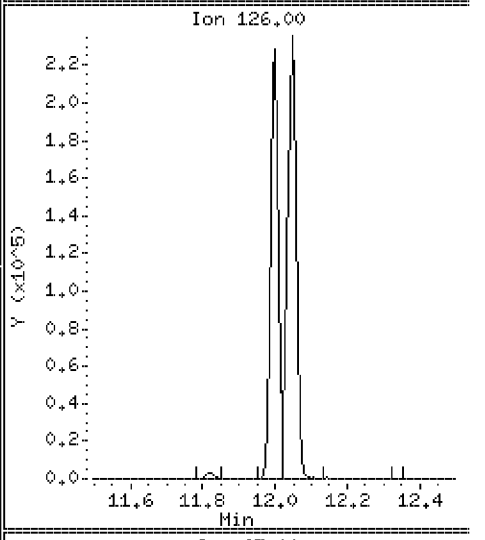


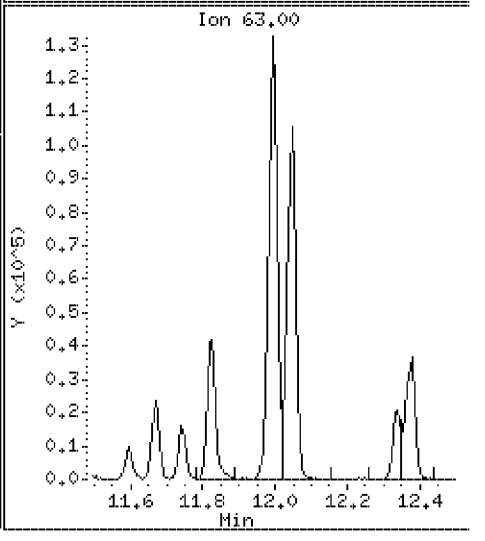












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

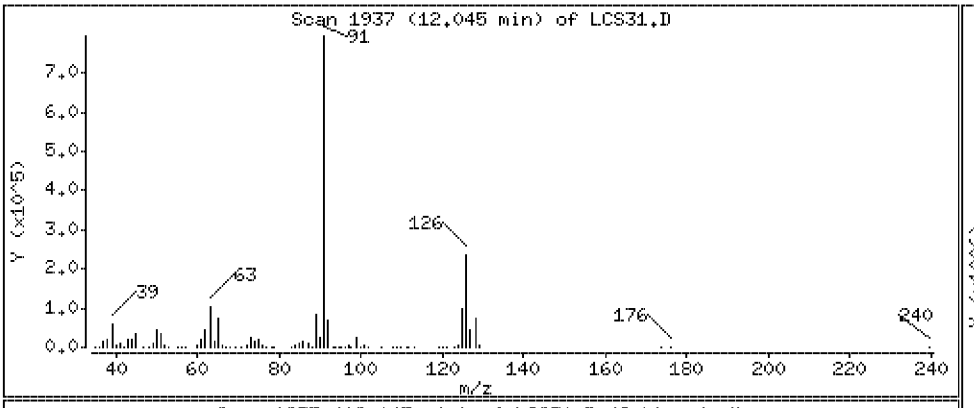
Client ID: 121709LCSA31 Instrument: vms03.i

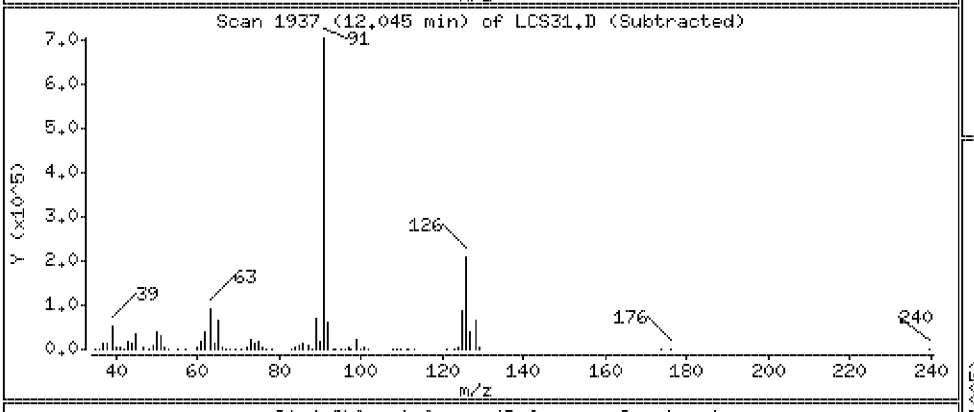
Sample Info: 121709LCSA31

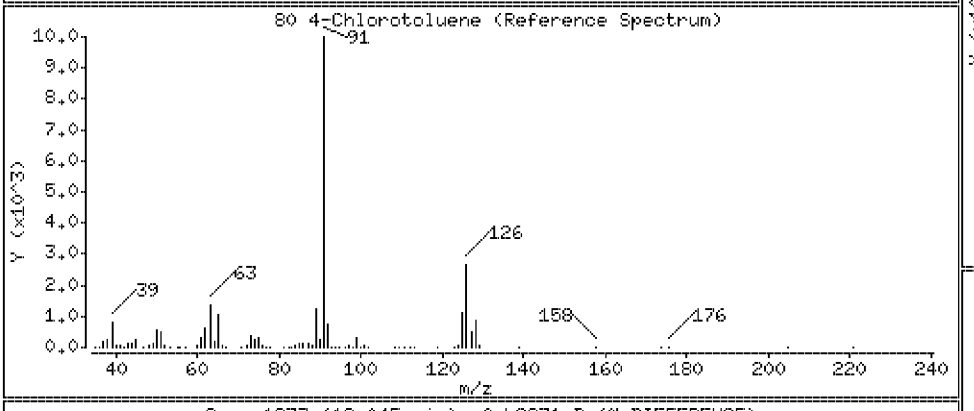
Purge Volume: 5.0 Operator:

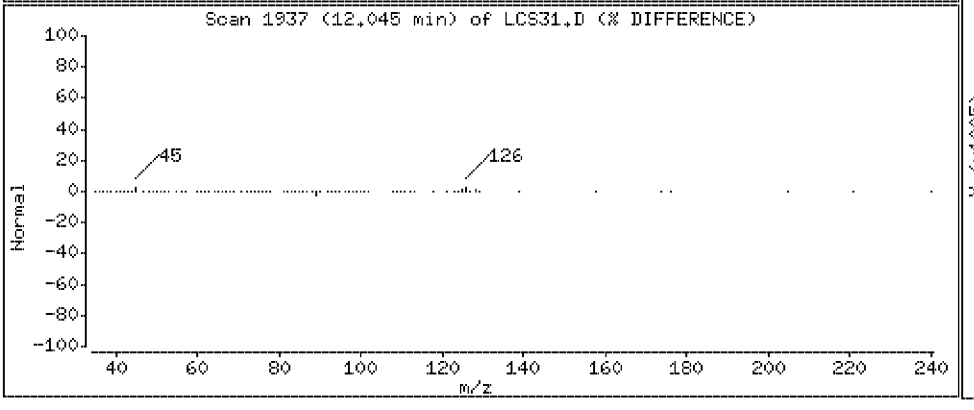
Column phase: DB-624 Column diameter: 0.18

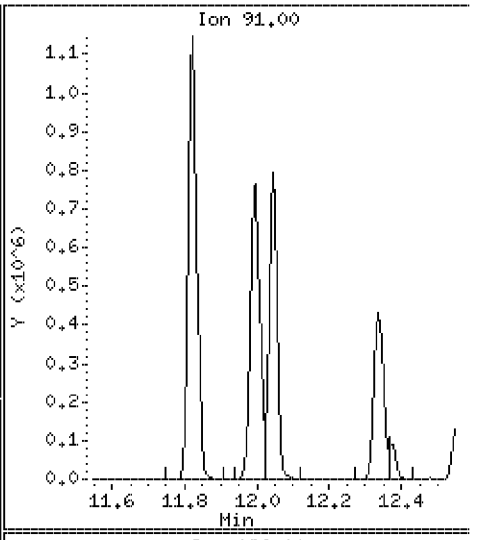
80 4-Chlorotoluene Concentration: 21.1 ug/l

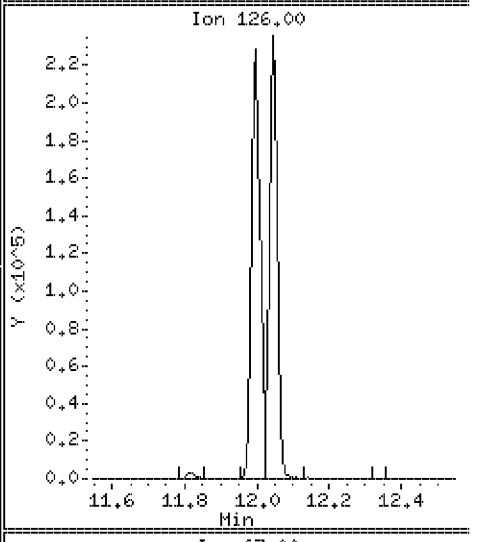


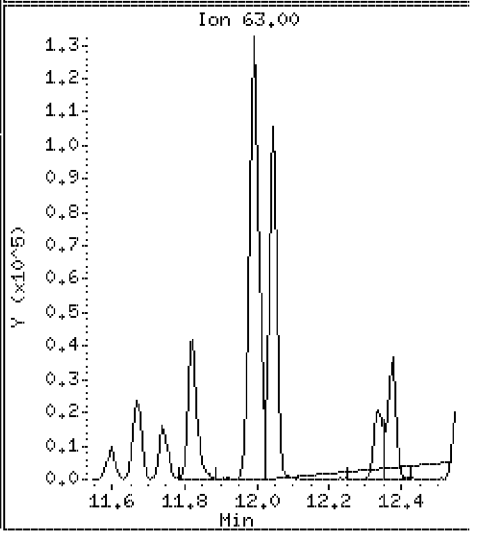












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

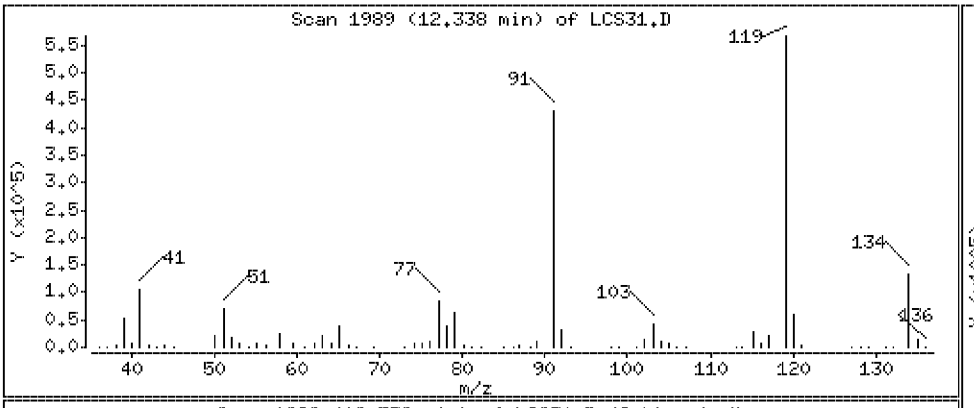
Operator:

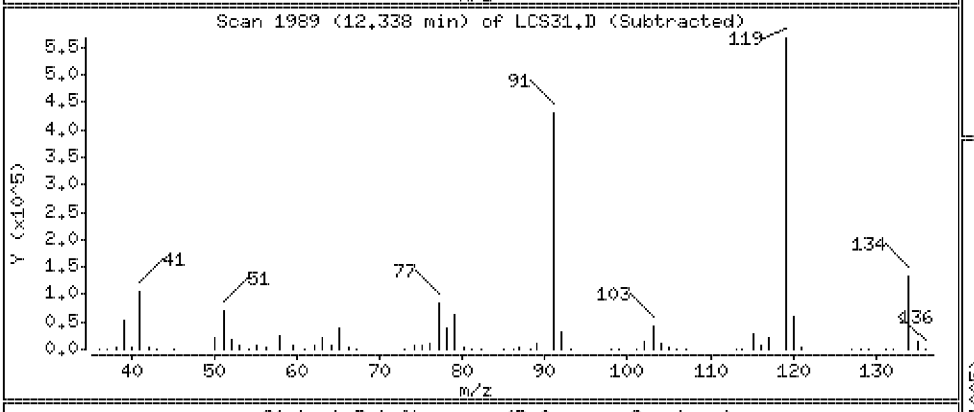
Column phase: DB-624

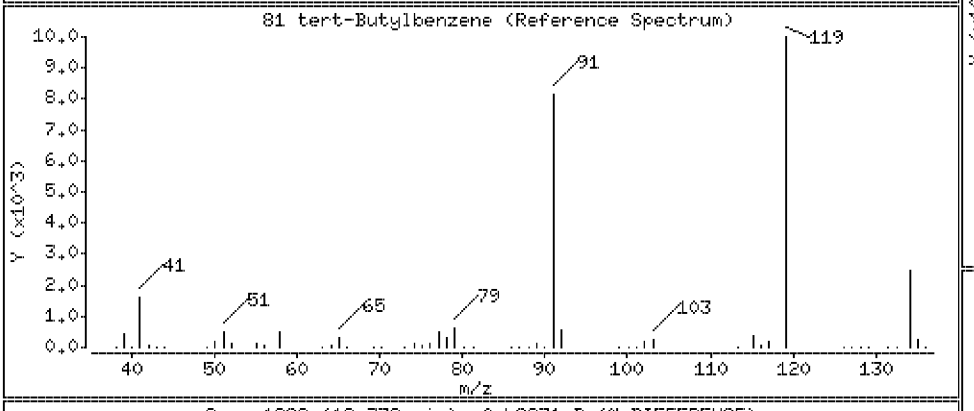
Column diameter: 0.18

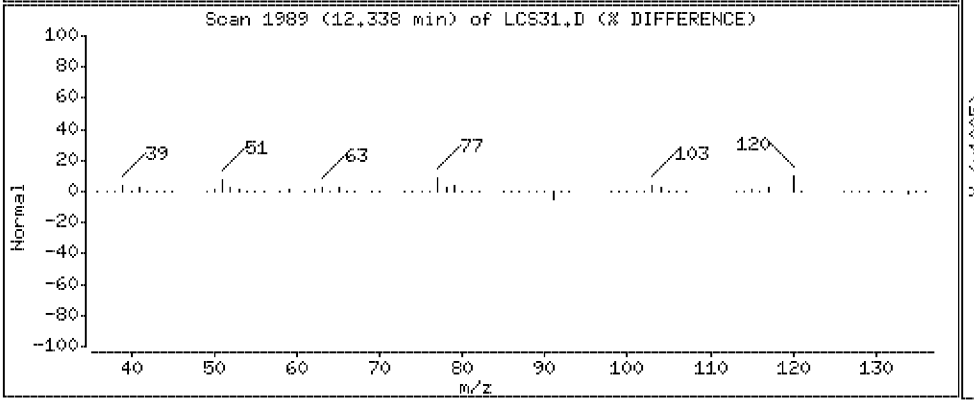
81 tert-Butylbenzene

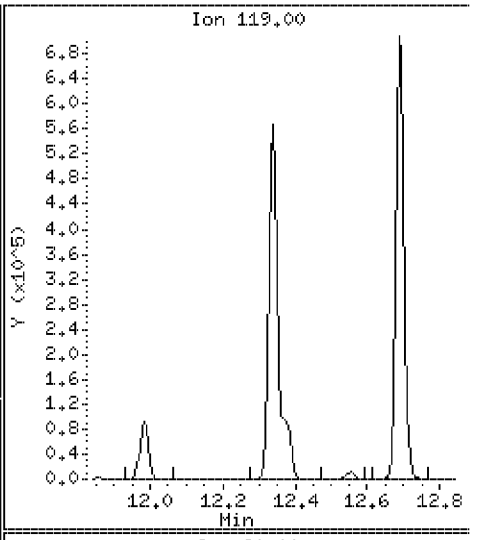
Concentration: 22.7 ug/l

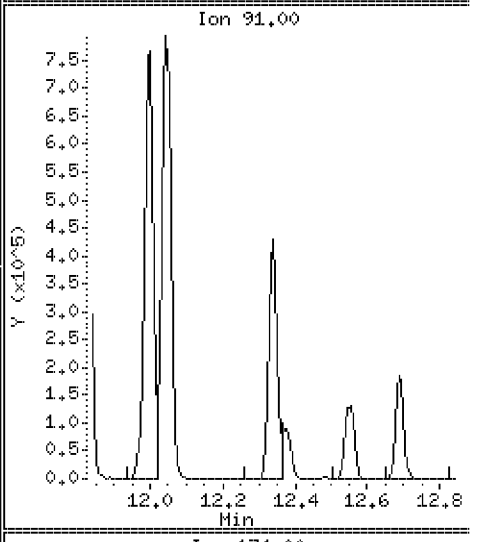


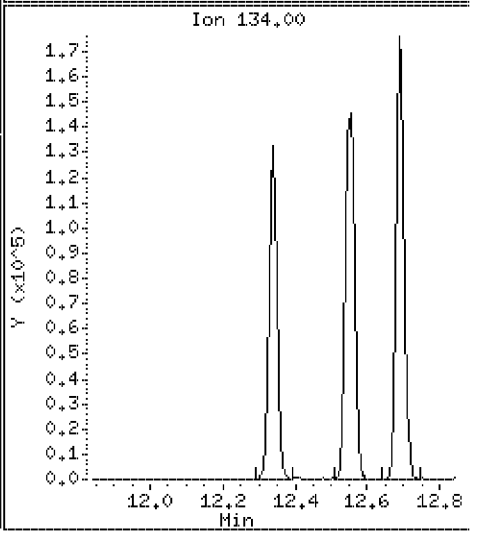












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

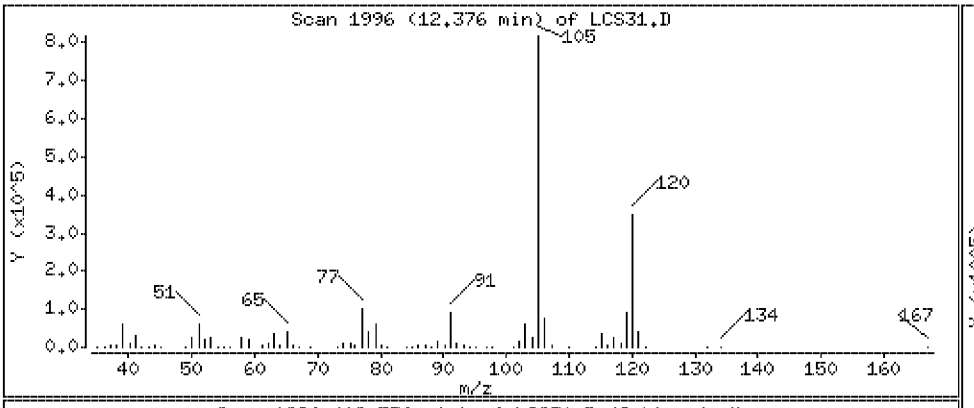
Operator:

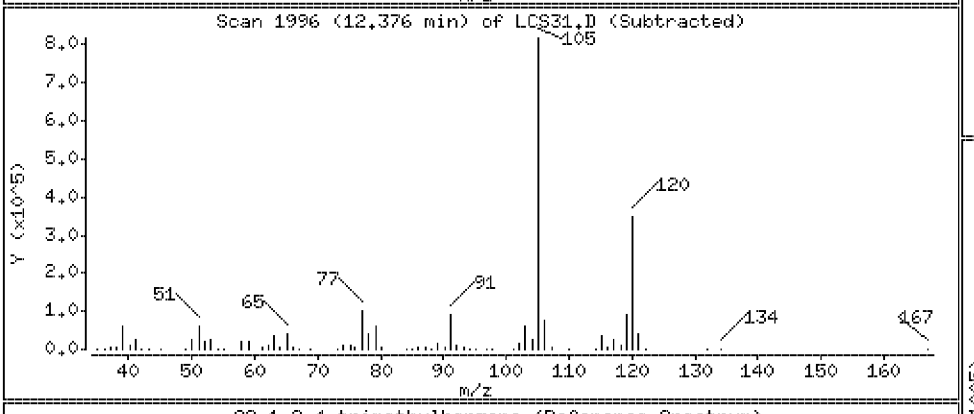
Column phase: DB-624

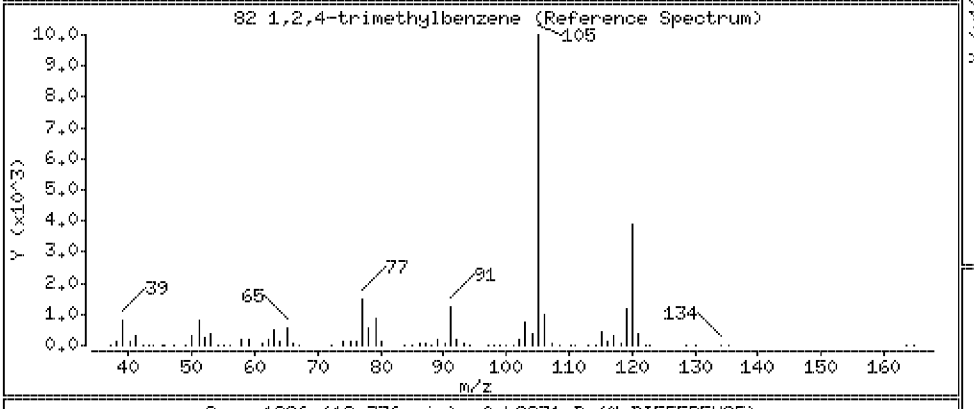
Column diameter: 0.18

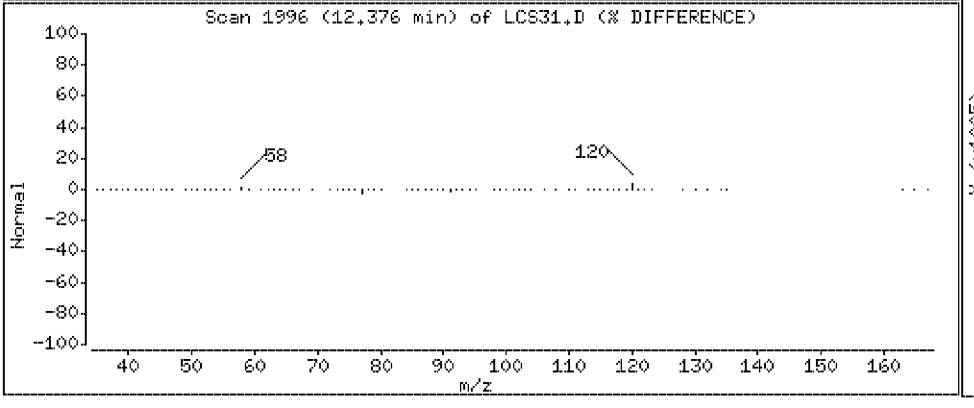
82 1,2,4-trimethylbenzene

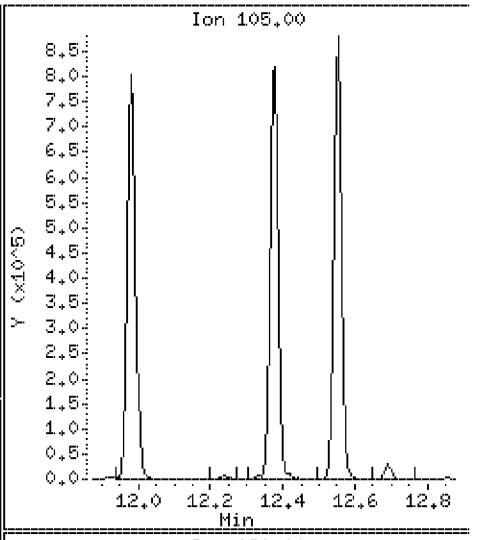
Concentration: 21.7 ug/l

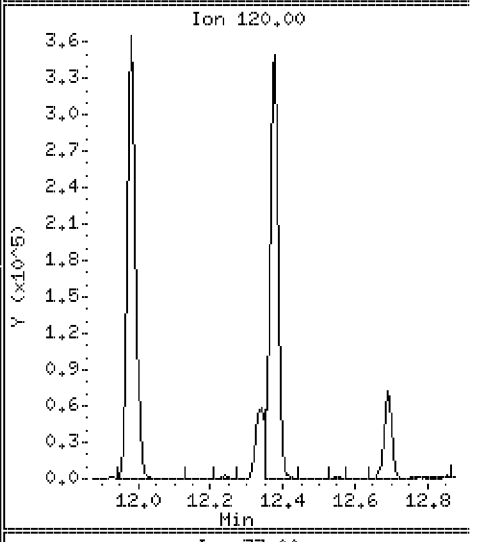


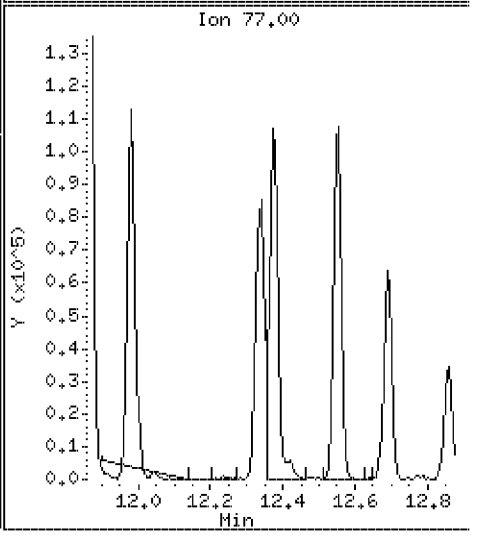












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

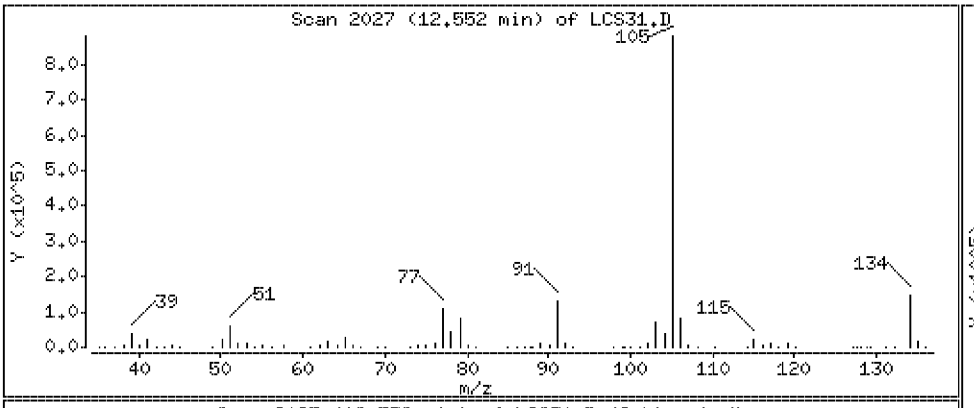
Operator:

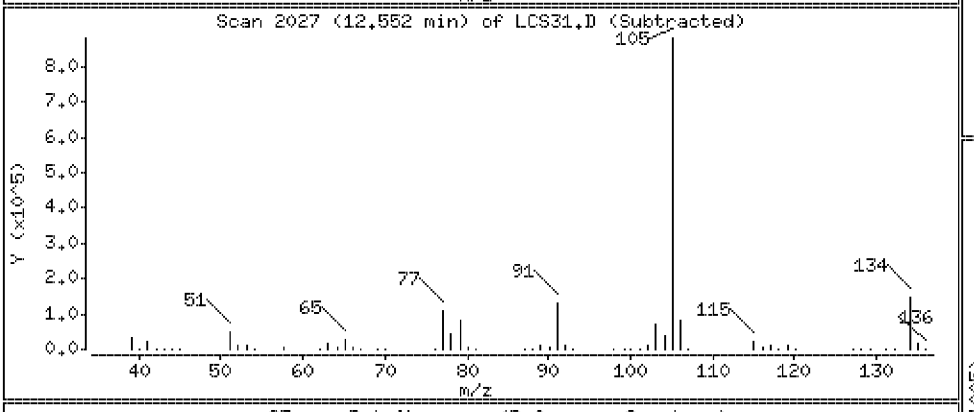
Column phase: DB-624

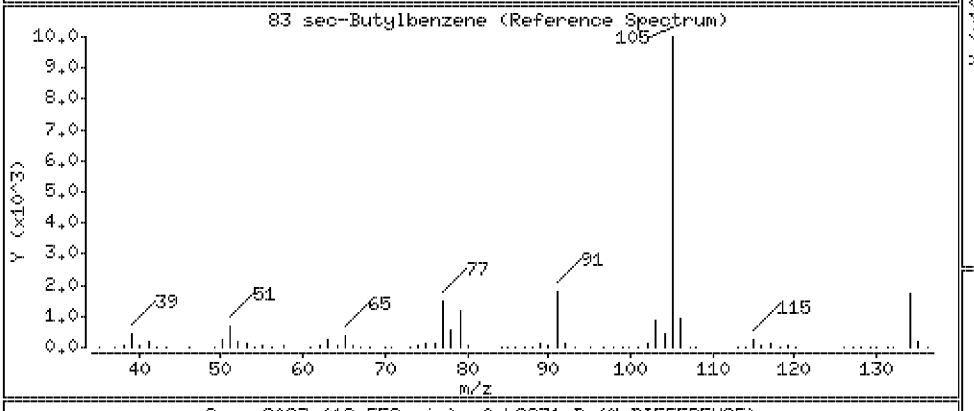
Column diameter: 0.18

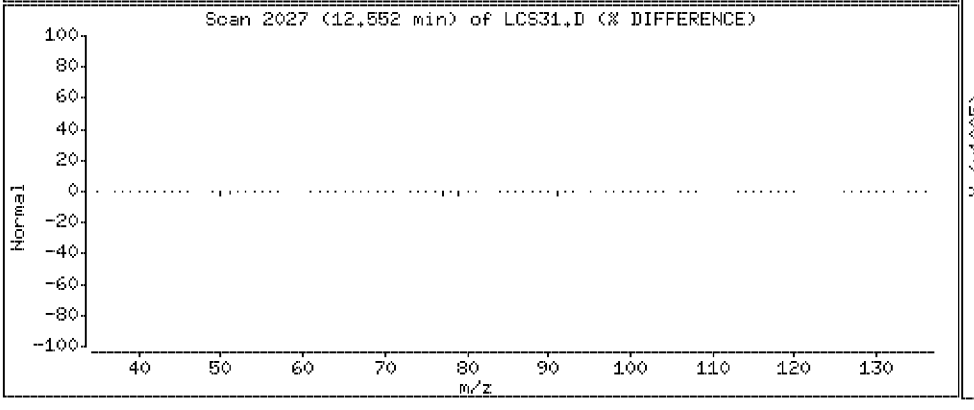
83 sec-Butylbenzene

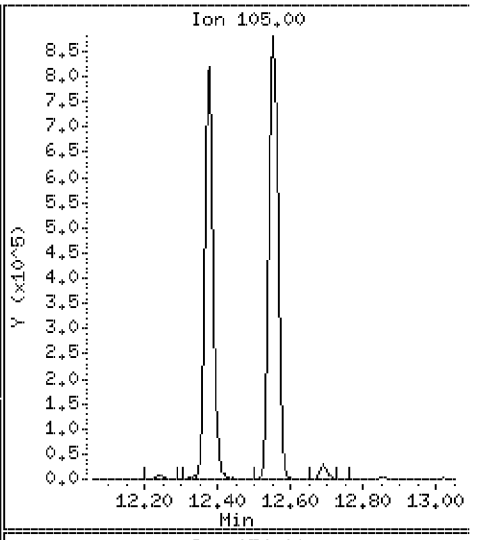
Concentration: 22.1 ug/l

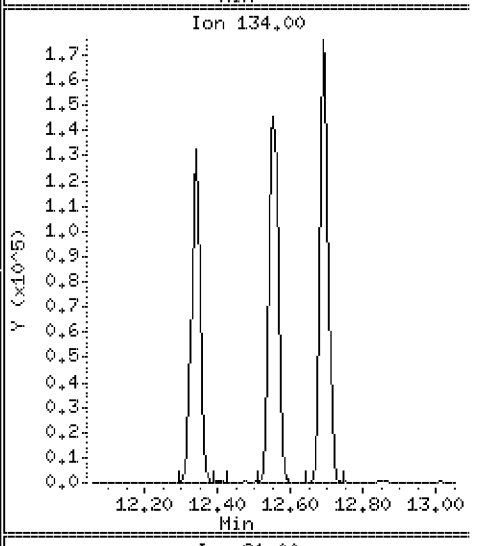


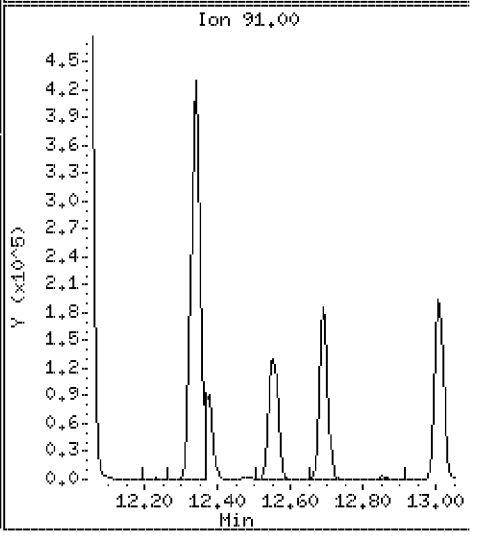












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

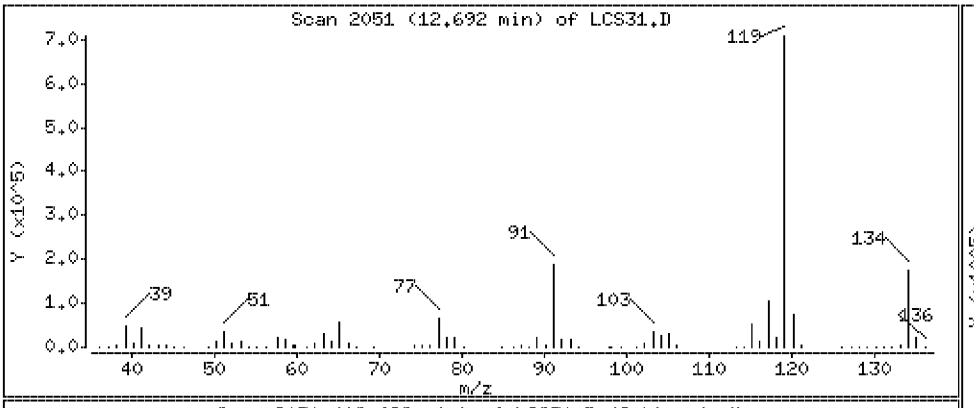
Operator:

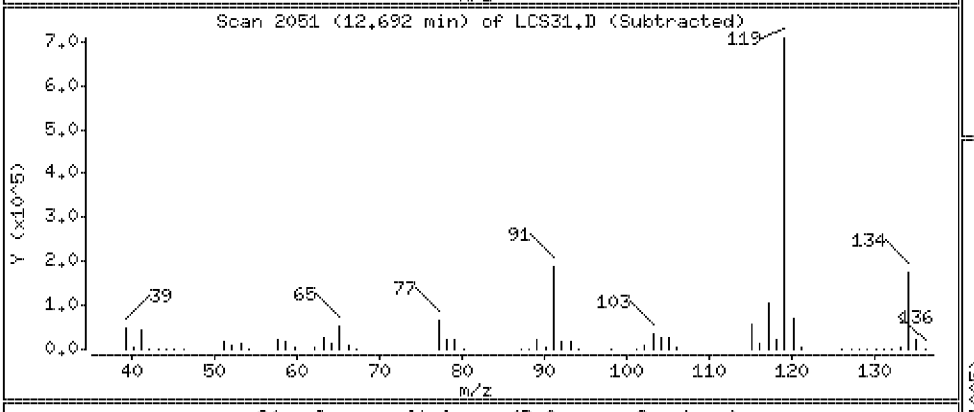
Column phase: DB-624

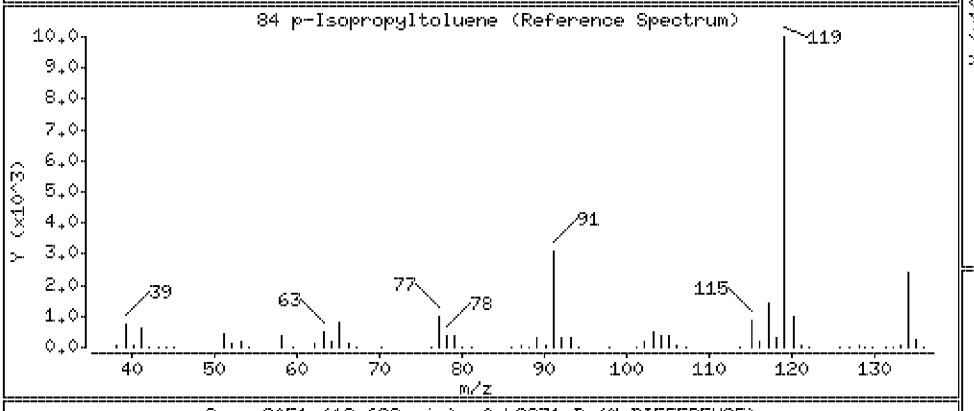
Column diameter: 0.18

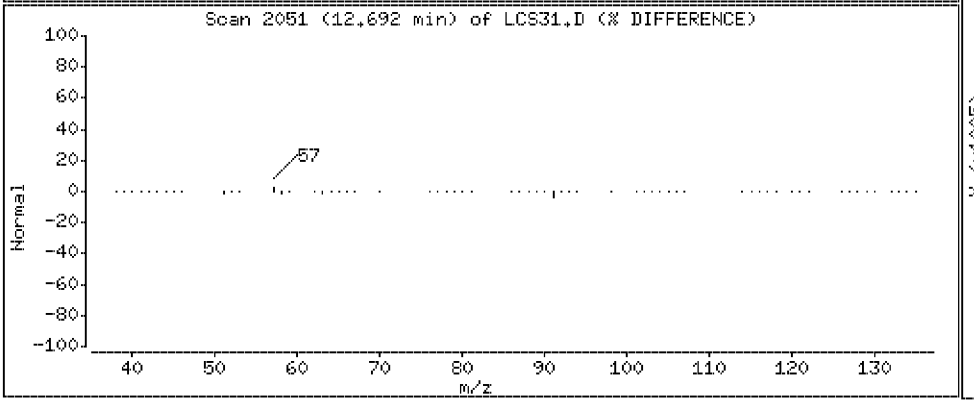
84 p-Isopropyltoluene

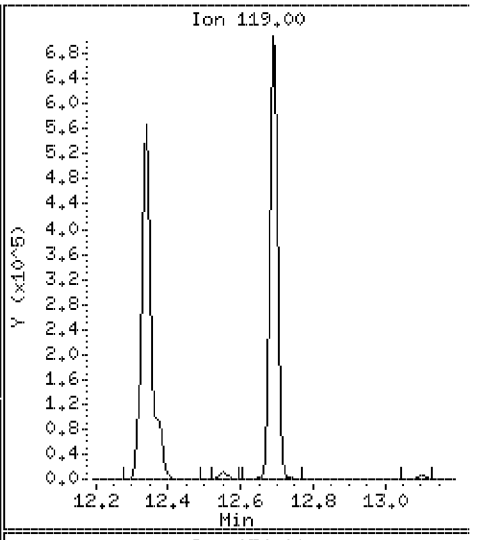
Concentration: 22.2 ug/l

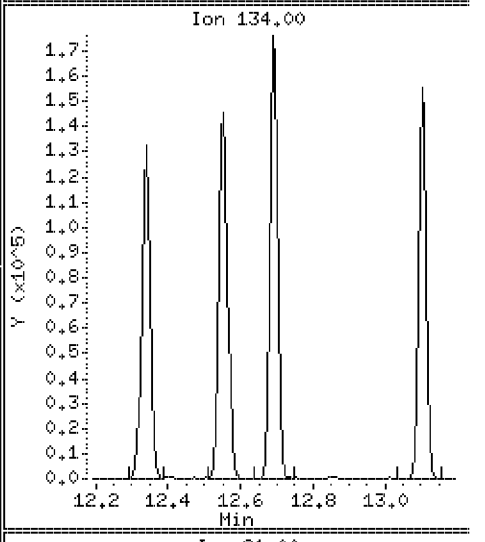


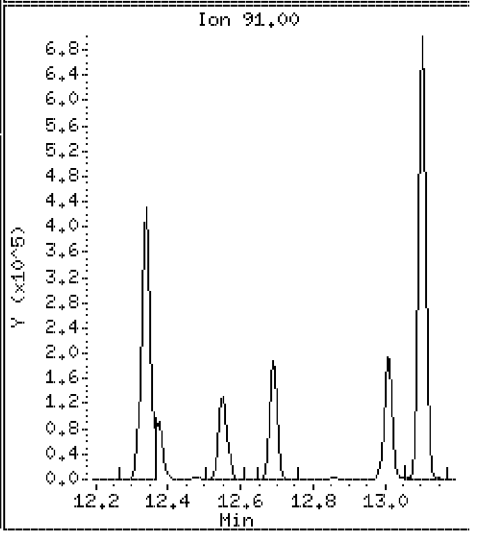












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

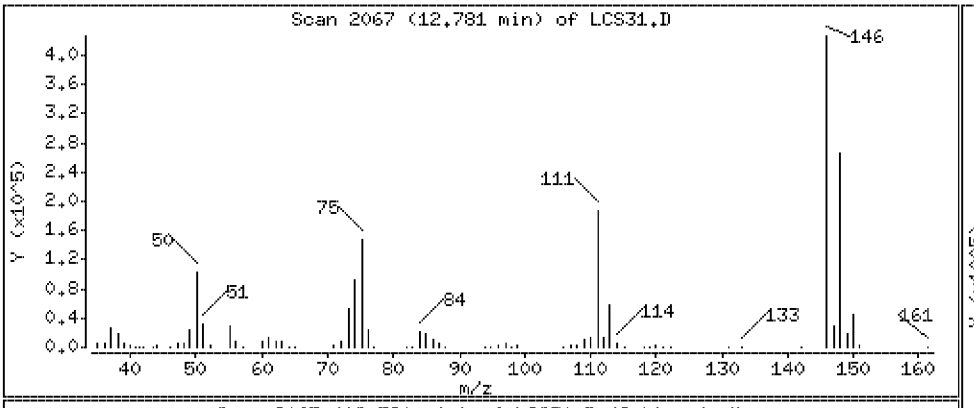
Operator:

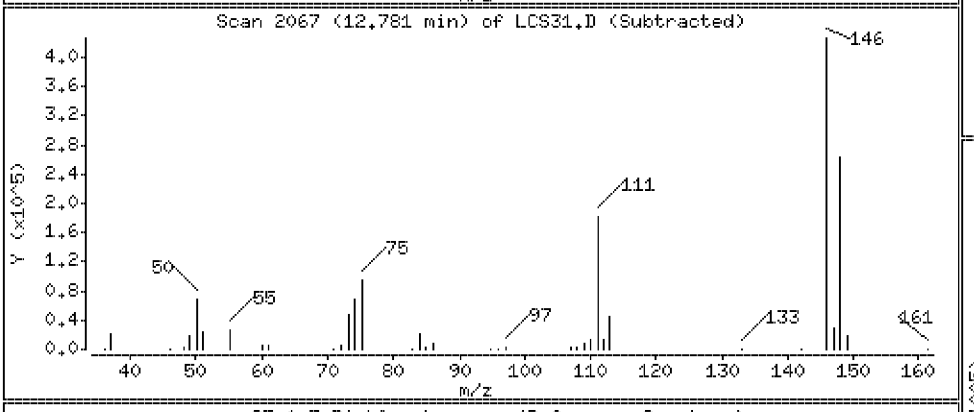
Column phase: DB-624

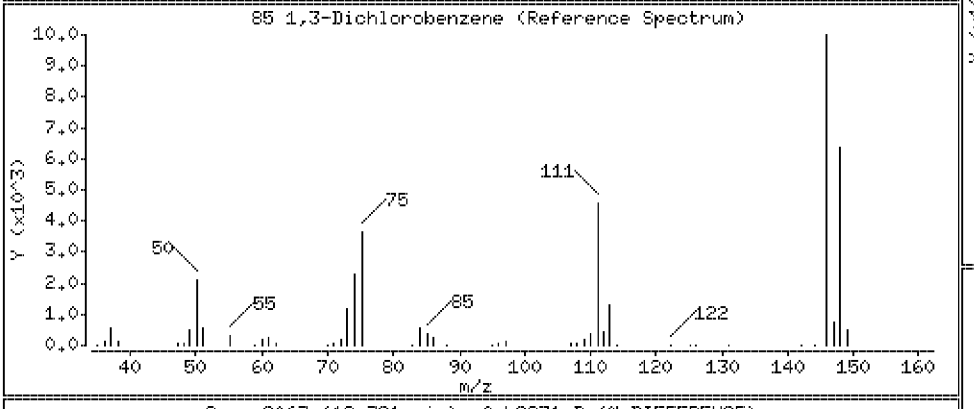
Column diameter: 0.18

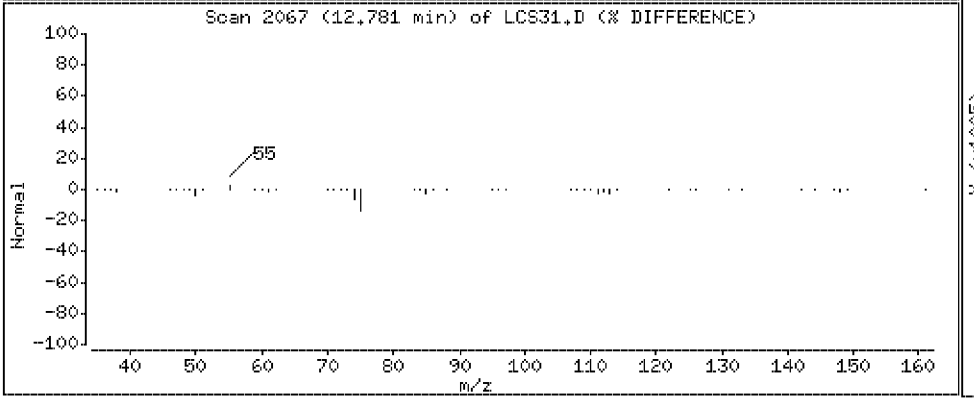
85 1,3-Dichlorobenzene

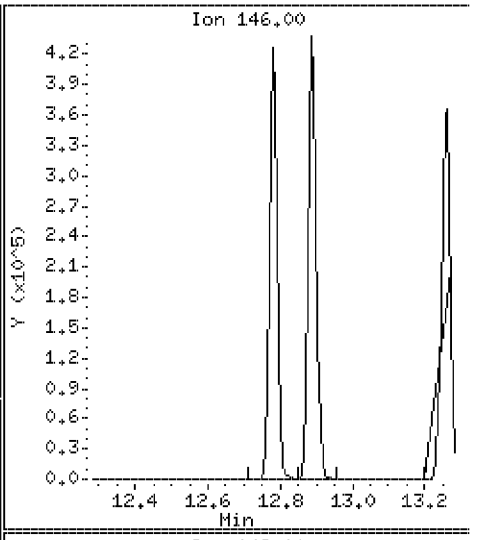
Concentration: 20.7 ug/l

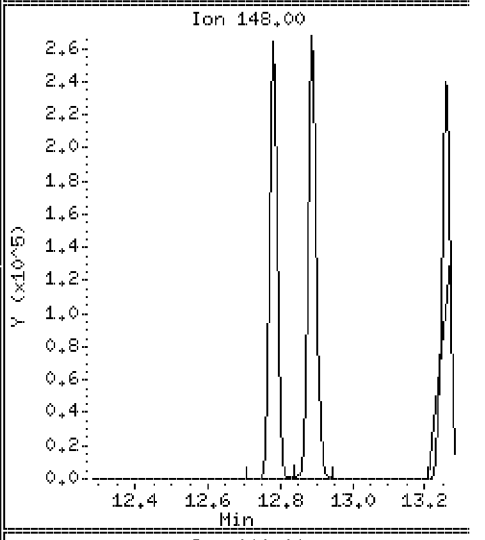


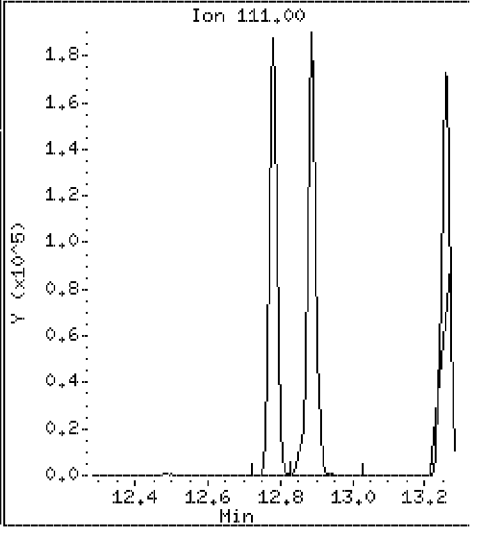












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

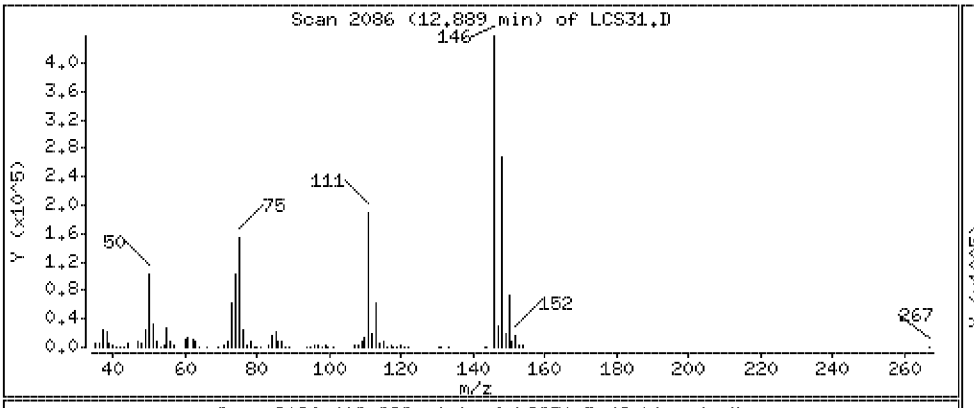
Client ID: 121709LCSA31 Instrument: vms03.i

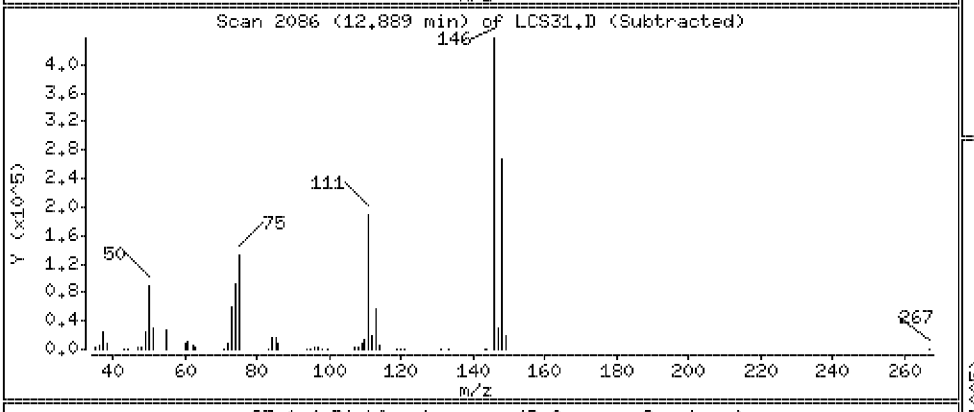
Sample Info: 121709LCSA31

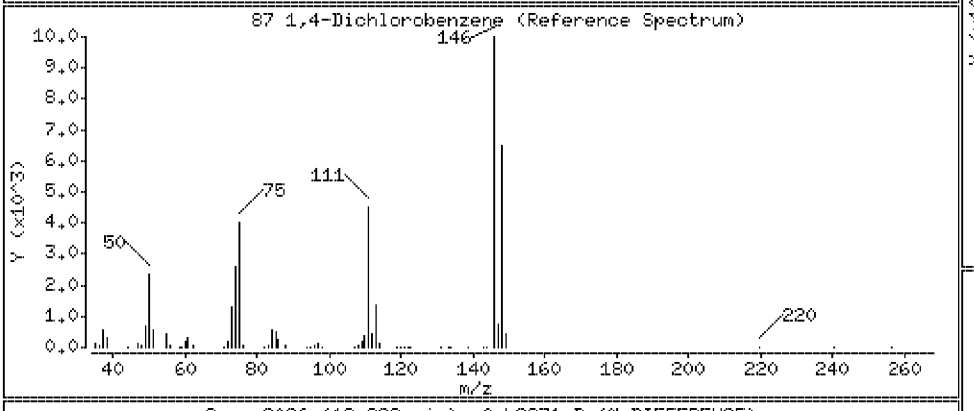
Purge Volume: 5.0 Operator:

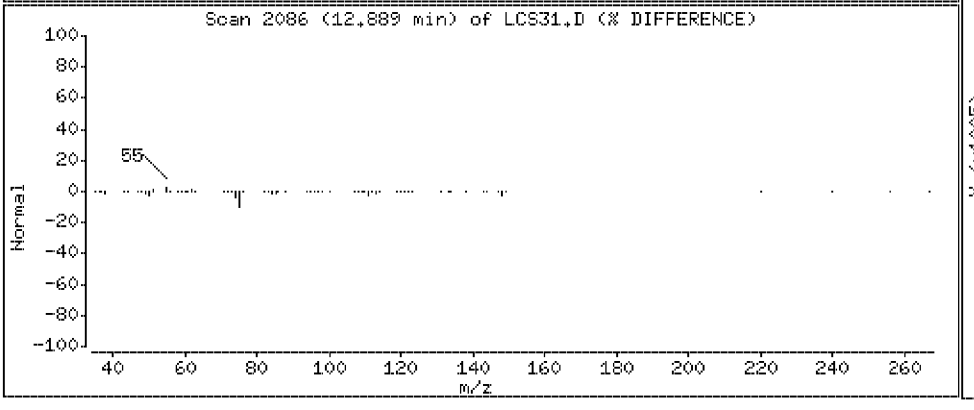
Column phase: DB-624 Column diameter: 0.18

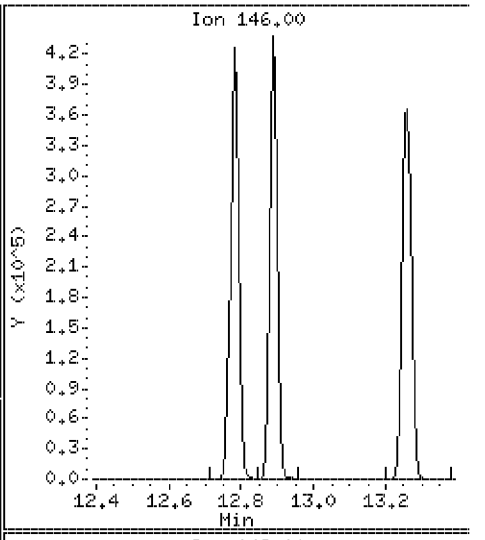
87 1,4-Dichlorobenzene Concentration: 20.9 ug/l

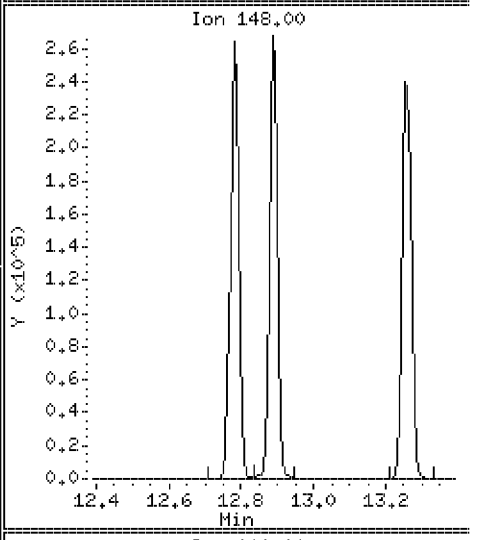


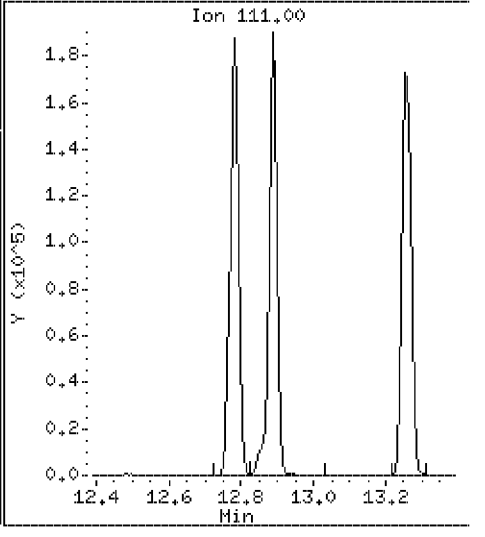












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

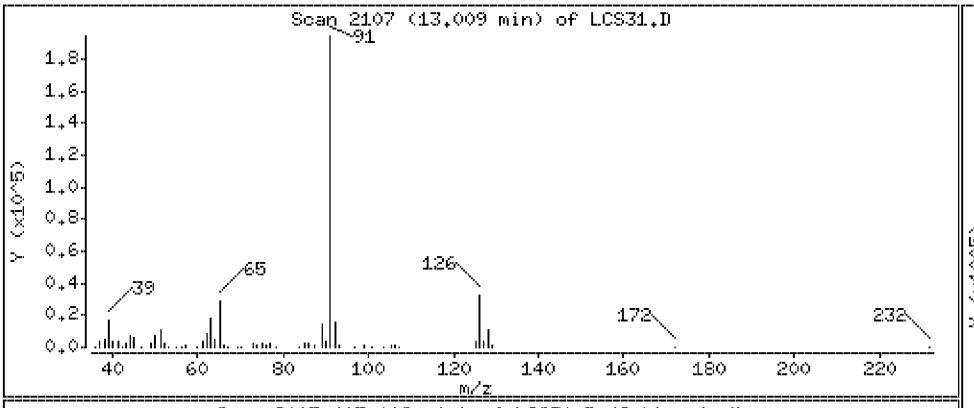
Client ID: 121709LCSA31 Instrument: vms03.i

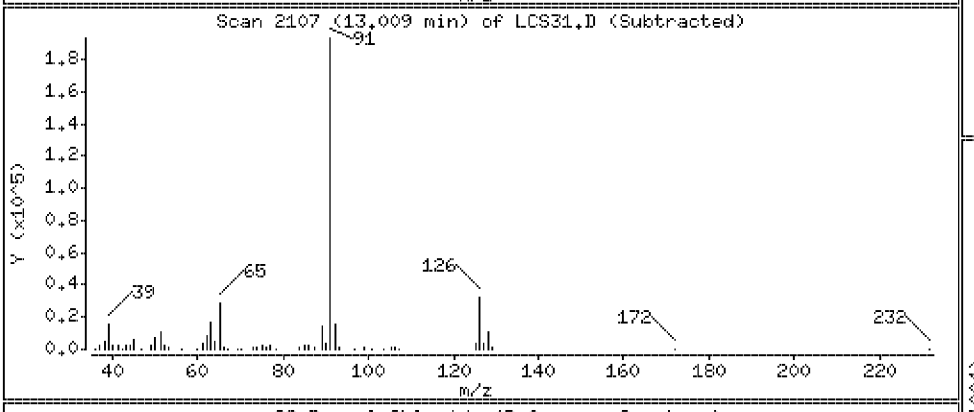
Sample Info: 121709LCSA31

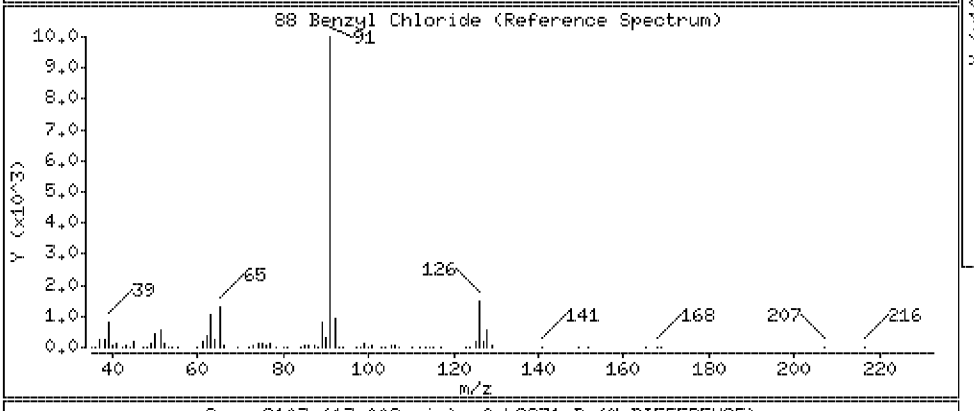
Purge Volume: 5.0 Operator:

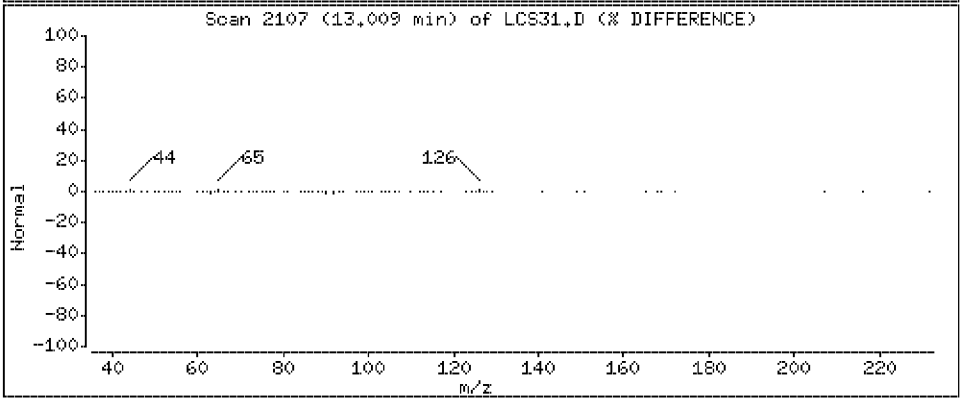
Column phase: DB-624 Column diameter: 0.18

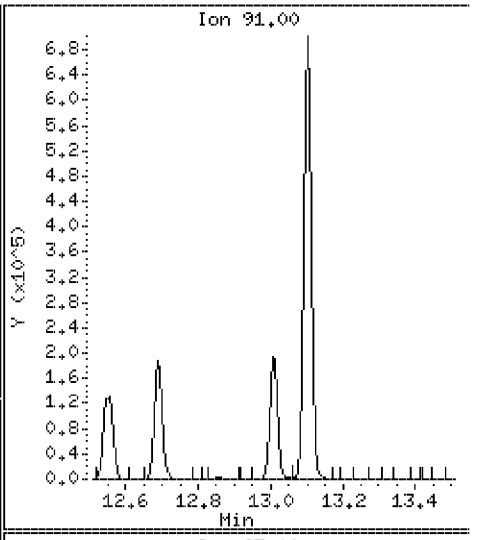
88 Benzyl Chloride Concentration: 16.5 ug/l

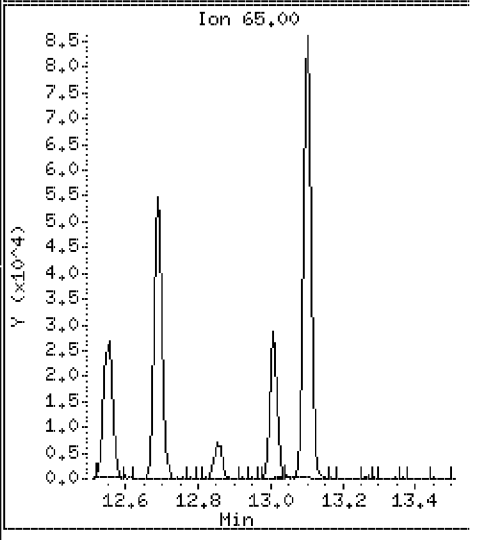












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

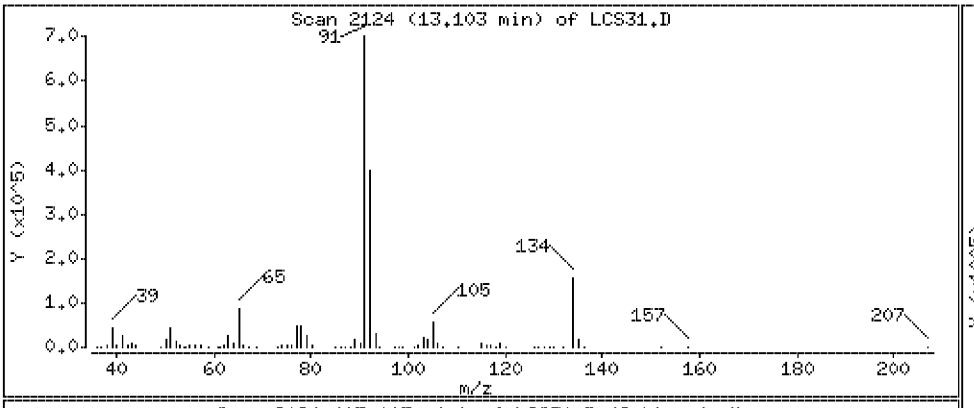
Client ID: 121709LCSA31 Instrument: vms03.i

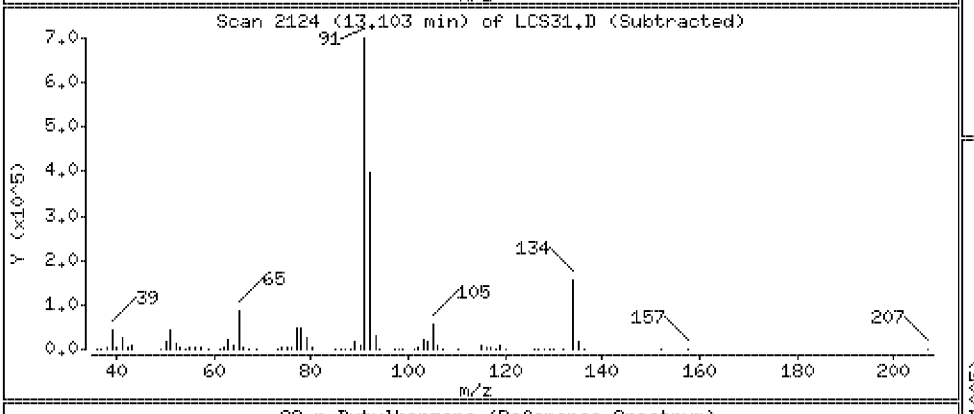
Sample Info: 121709LCSA31

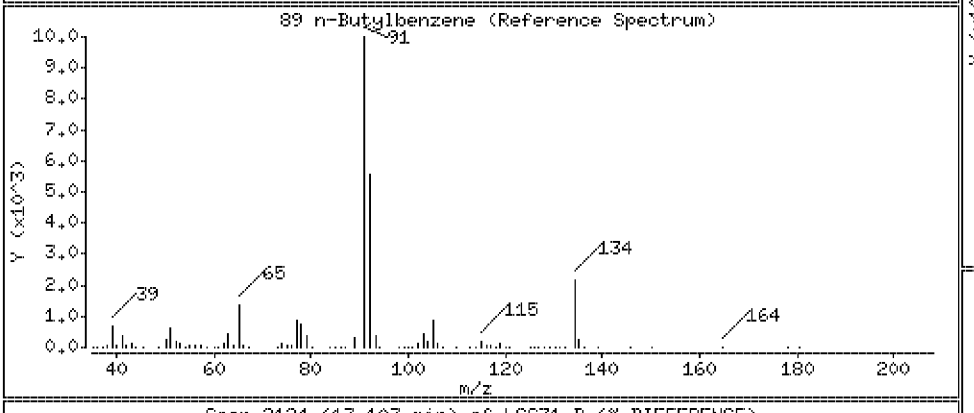
Purge Volume: 5.0 Operator:

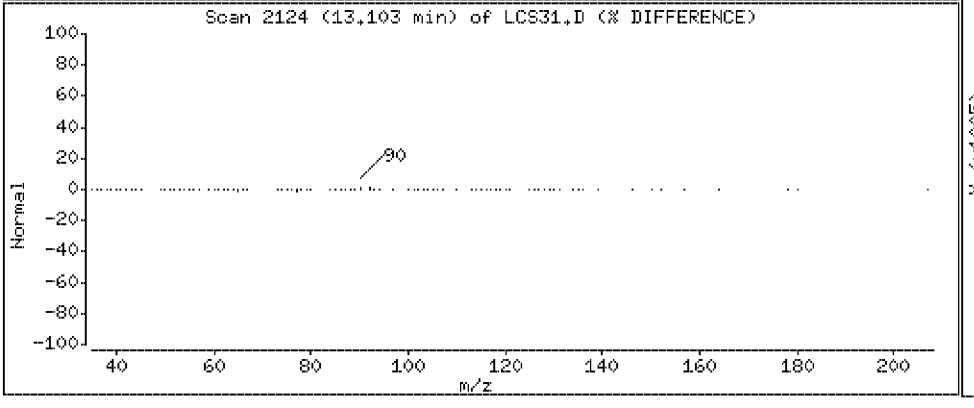
Column phase: DB-624 Column diameter: 0.18

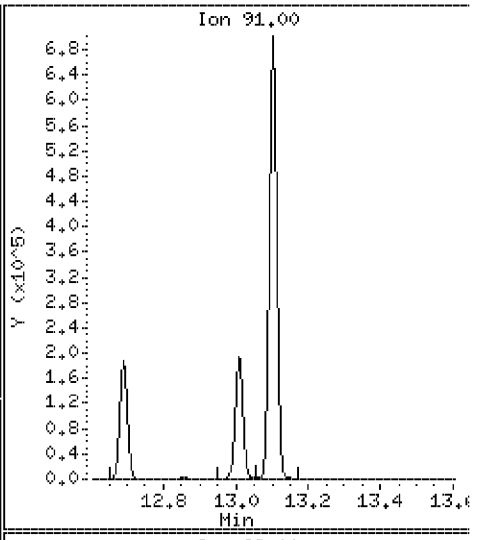
89 n-Butylbenzene Concentration: 23.0 ug/l

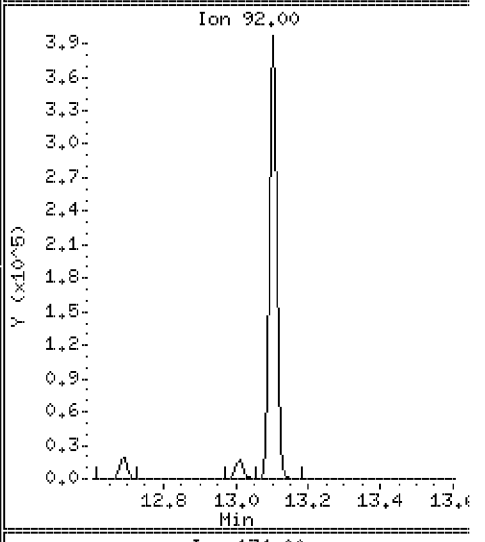


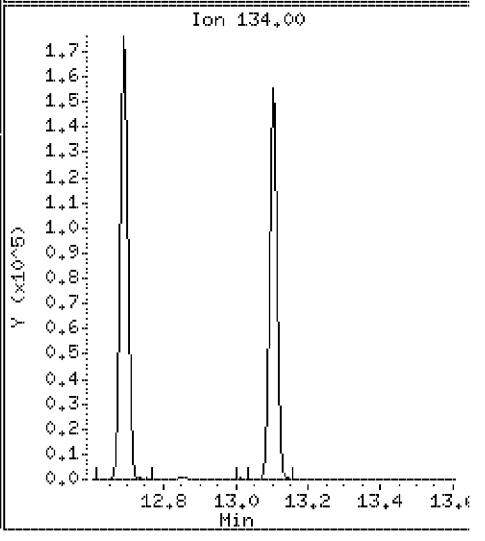












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

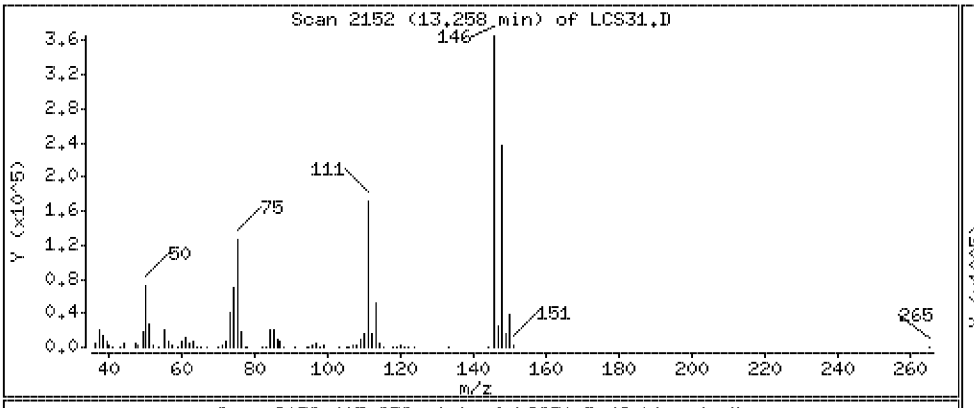
Client ID: 121709LCSA31 Instrument: vms03.i

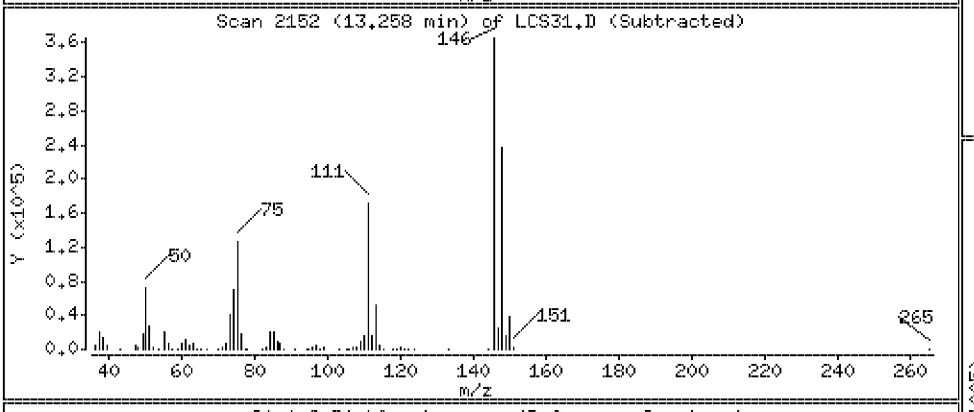
Sample Info: 121709LCSA31

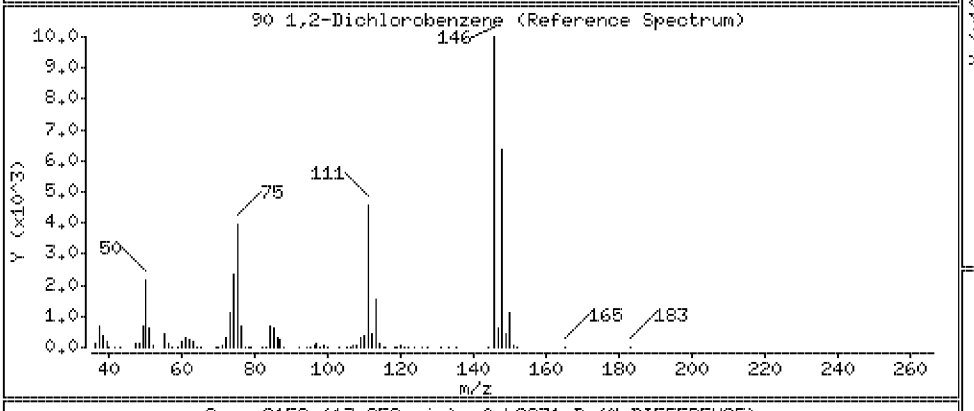
Purge Volume: 5.0 Operator:

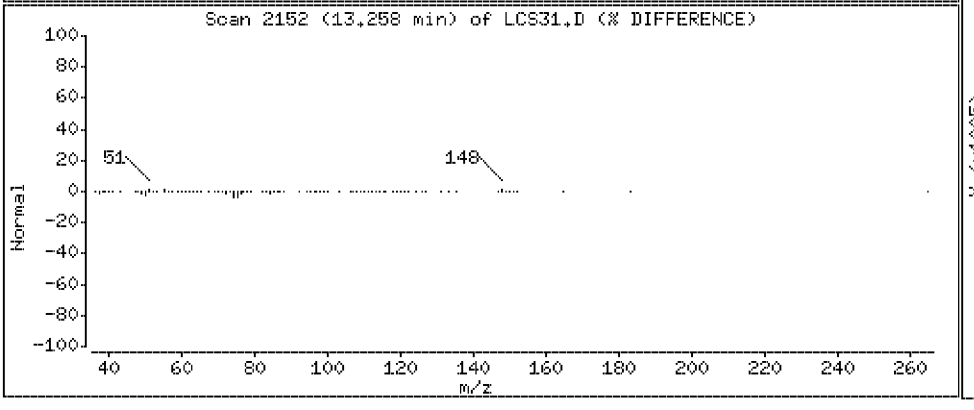
Column phase: DB-624 Column diameter: 0.18

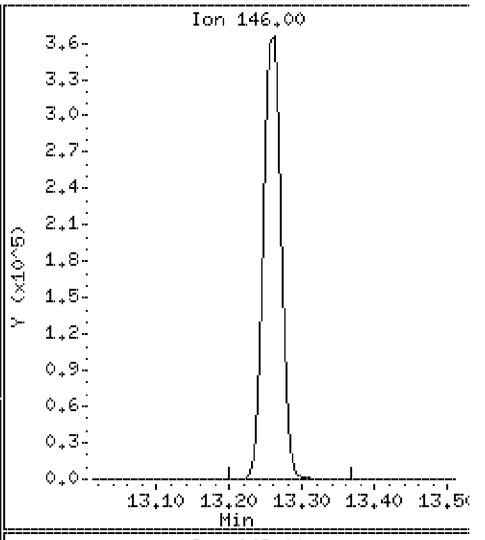
90 1,2-Dichlorobenzene Concentration: 20.7 ug/l

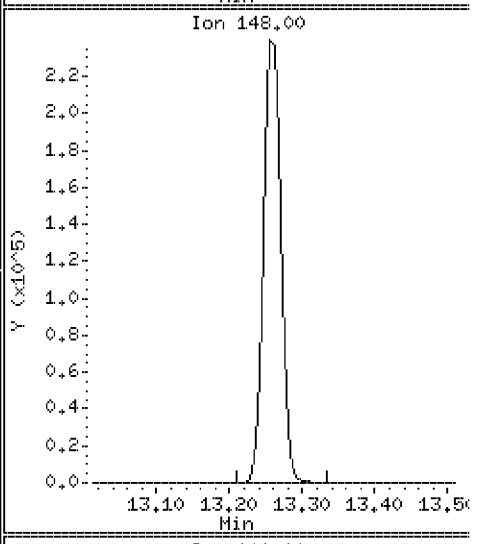


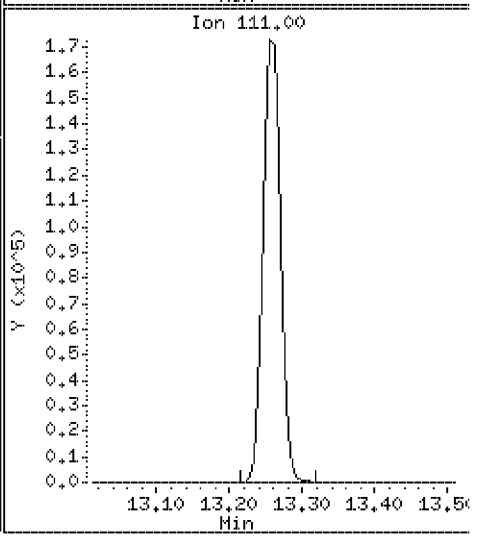












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

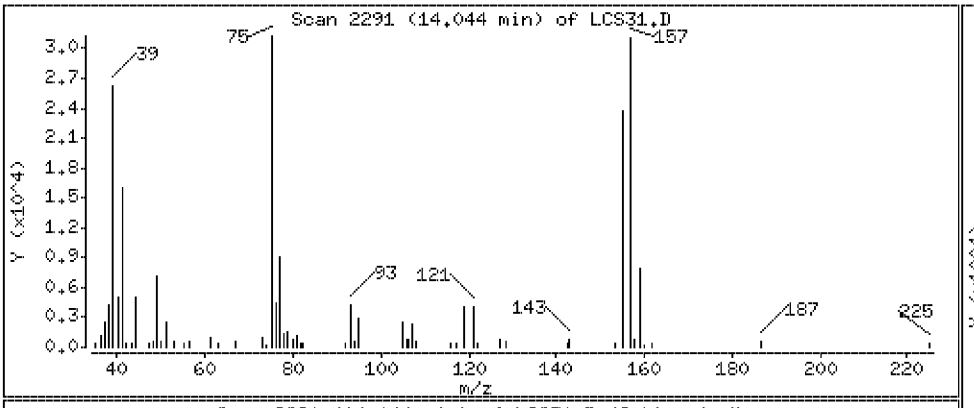
Client ID: 121709LCSA31 Instrument: vms03.i

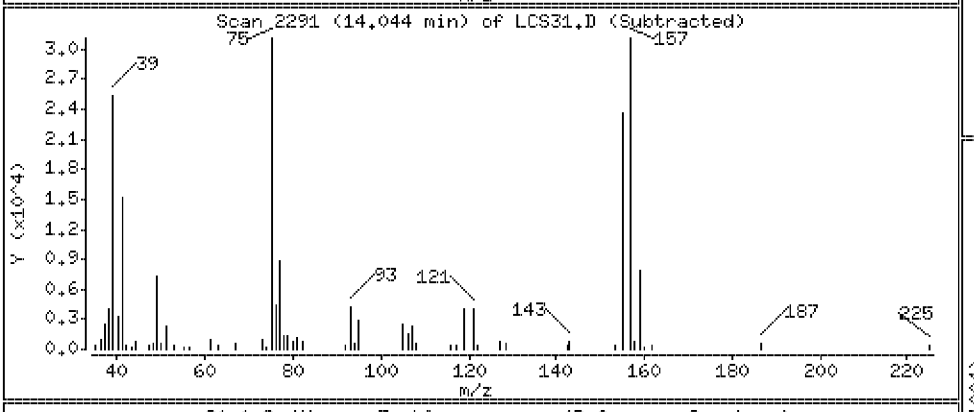
Sample Info: 121709LCSA31

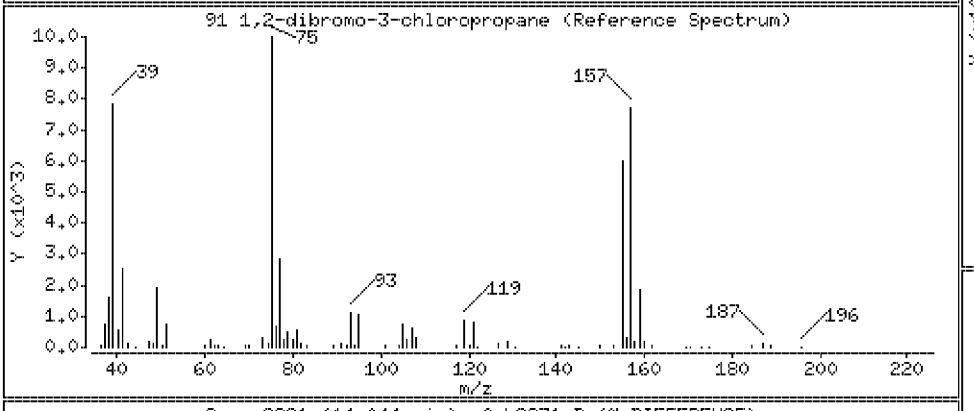
Purge Volume: 5.0 Operator:

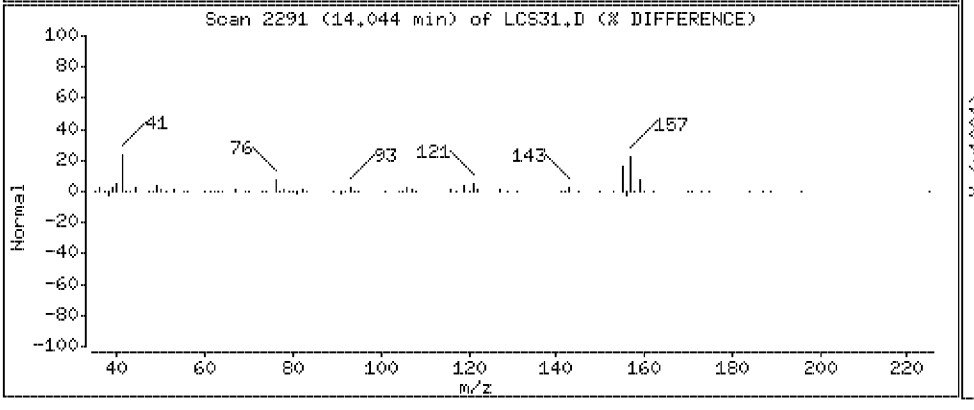
Column phase: DB-624 Column diameter: 0.18

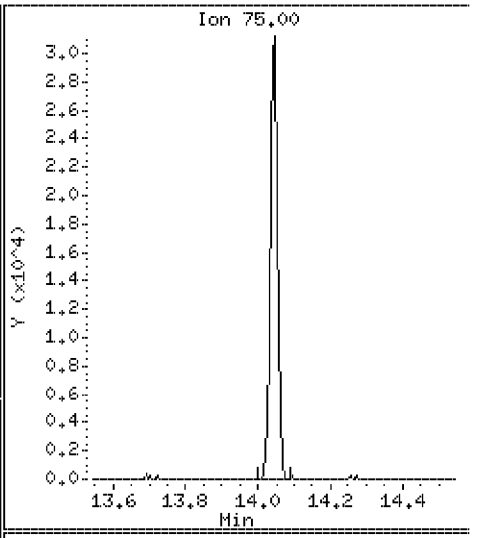
91 1,2-dibromo-3-chloropropane Concentration: 20.0 ug/l

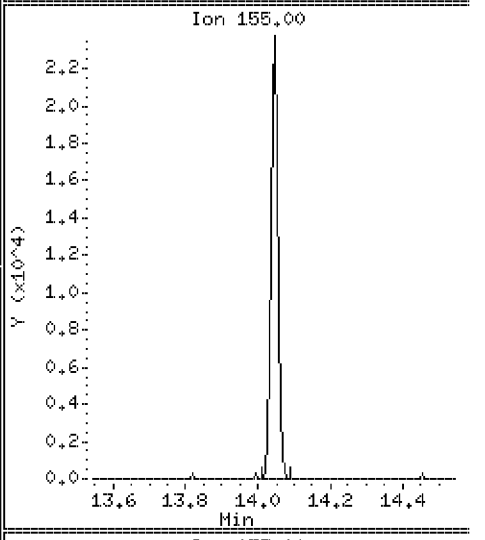


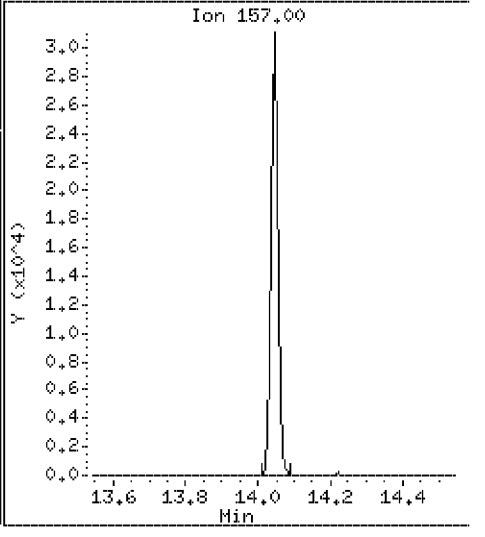












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

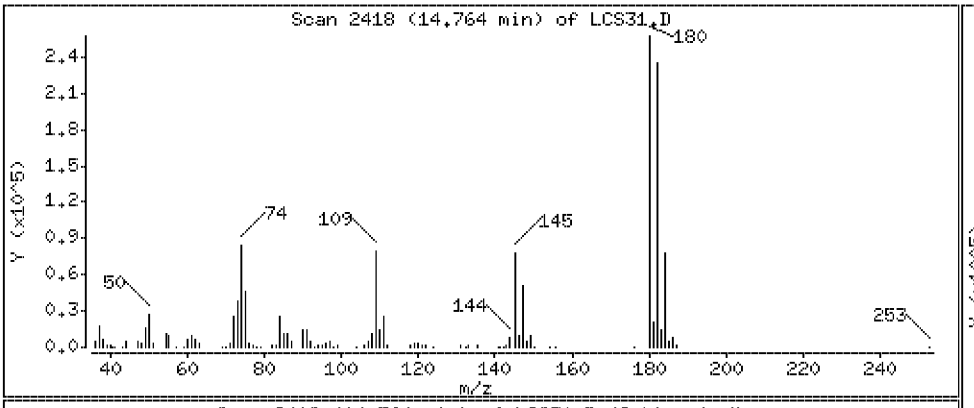
Client ID: 121709LCSA31 Instrument: vms03.i

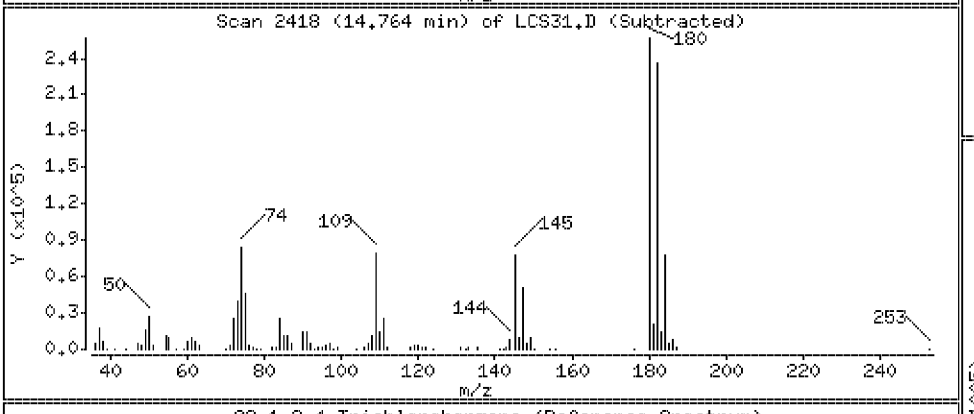
Sample Info: 121709LCSA31

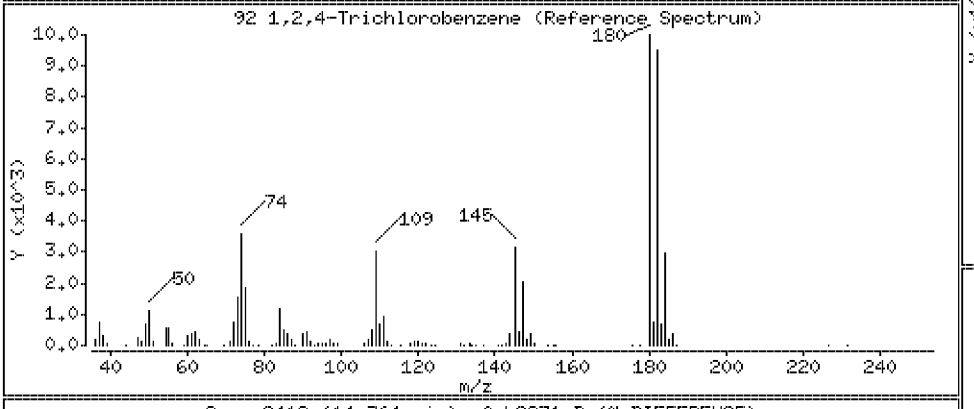
Purge Volume: 5.0 Operator:

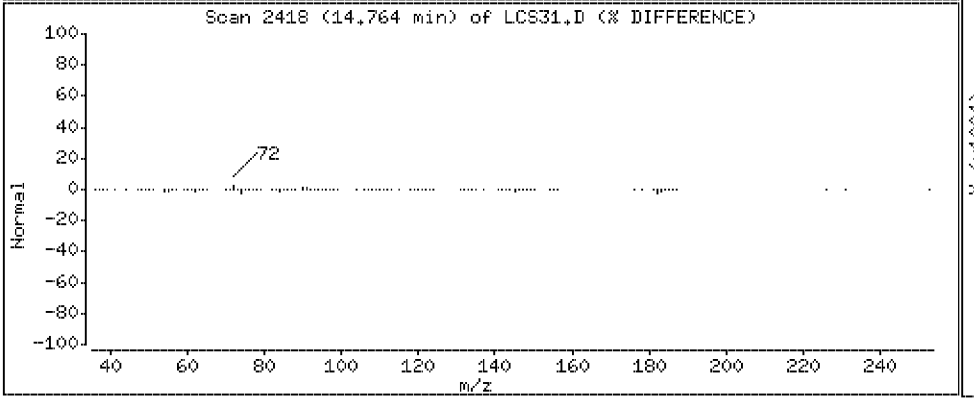
Column phase: DB-624 Column diameter: 0.18

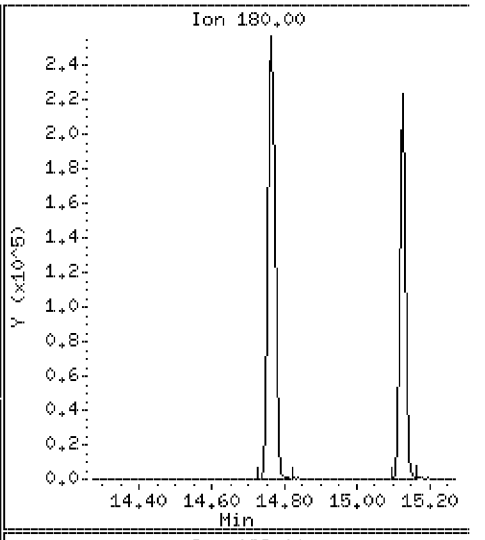
92 1,2,4-Trichlorobenzene Concentration: 22.1 ug/l

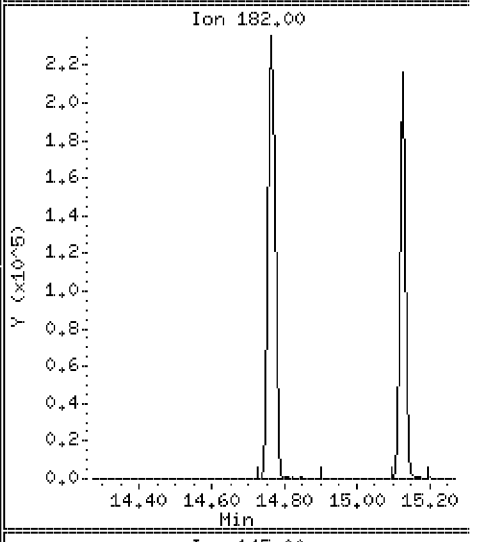


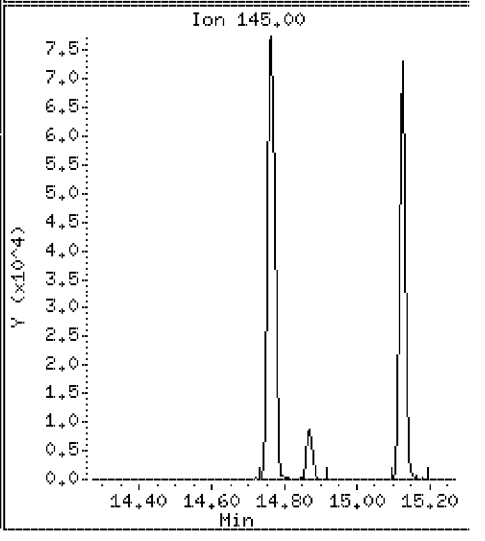












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

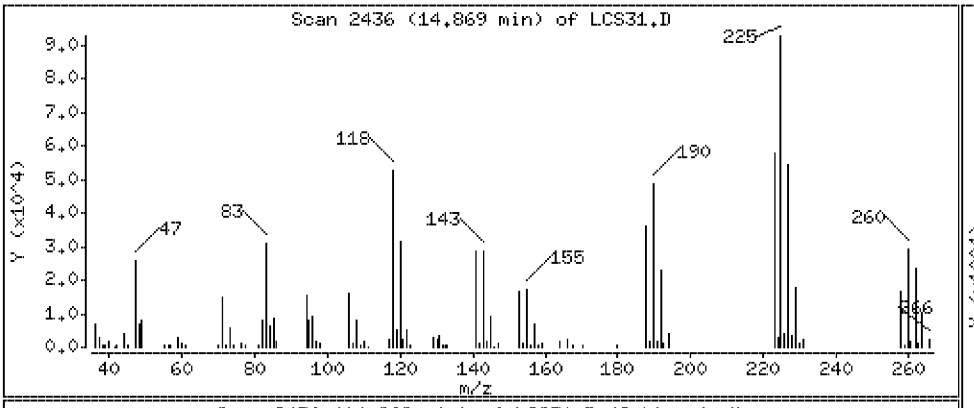
Operator:

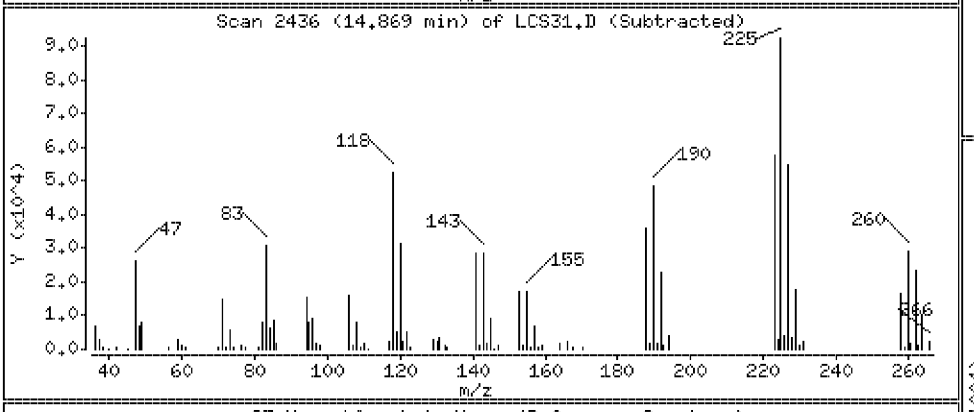
Column phase: DB-624

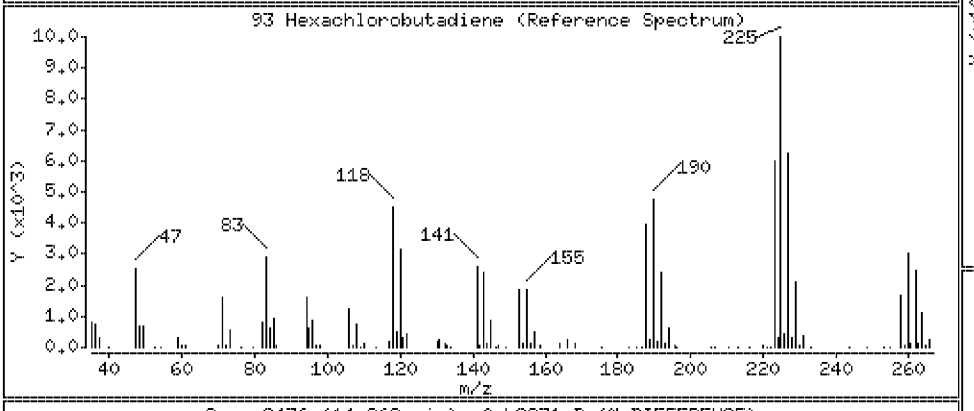
Column diameter: 0.18

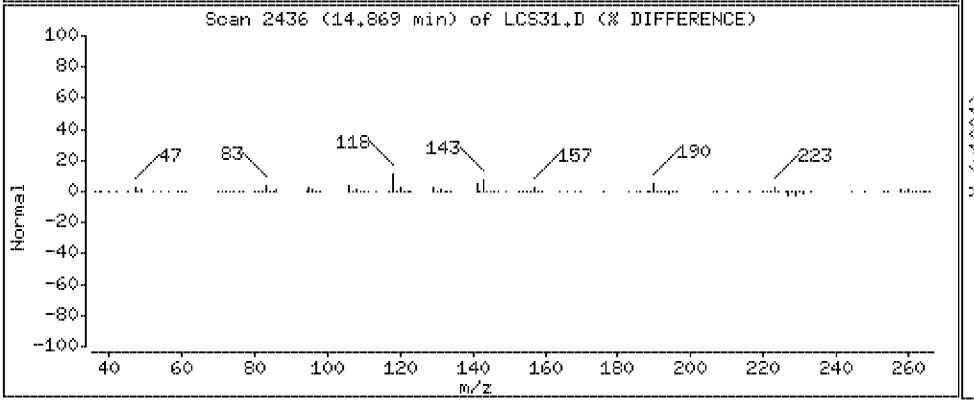
93 Hexachlorobutadiene

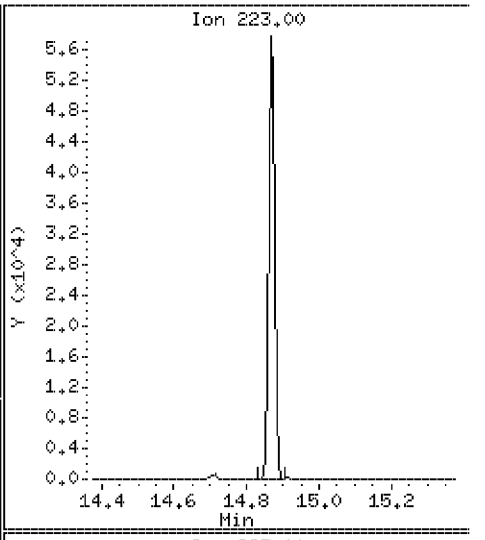
Concentration: 22.3 ug/l

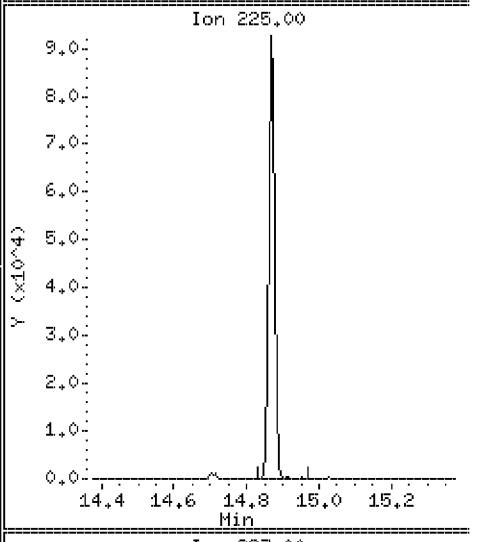


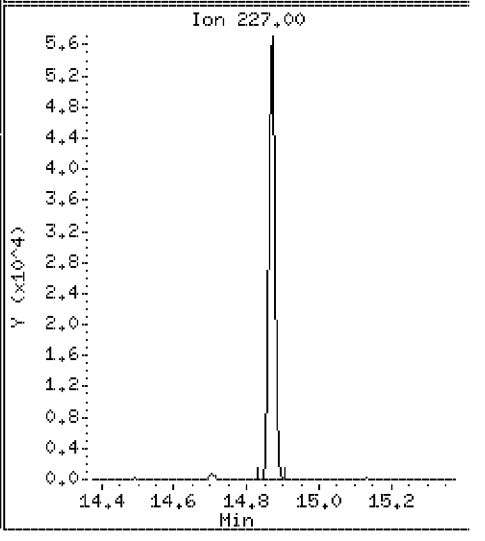












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

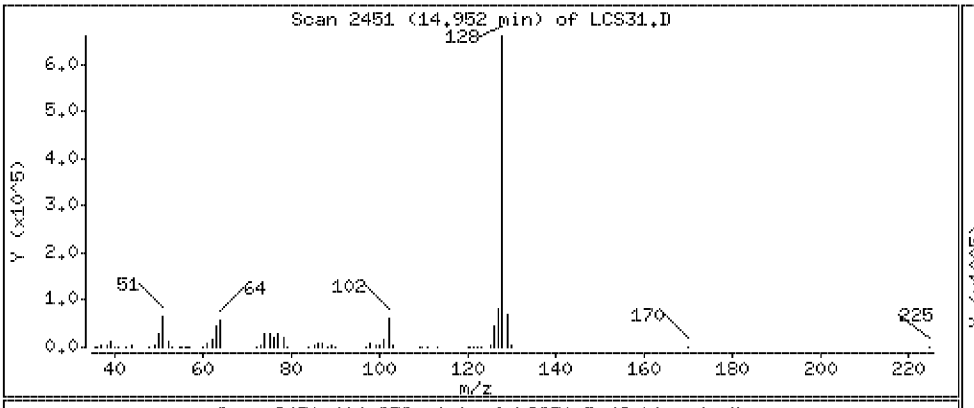
Operator:

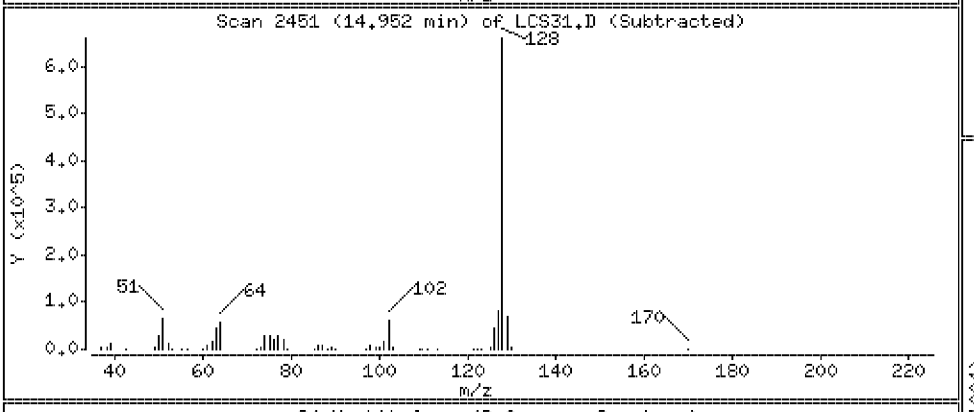
Column phase: DB-624

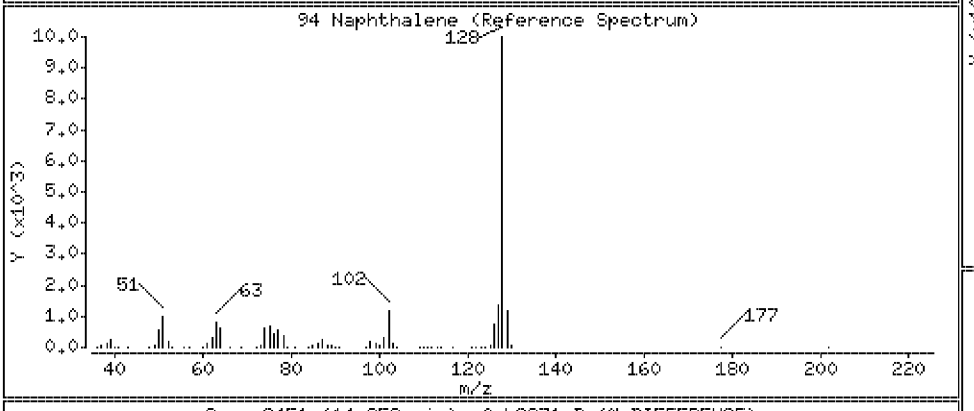
Column diameter: 0.18

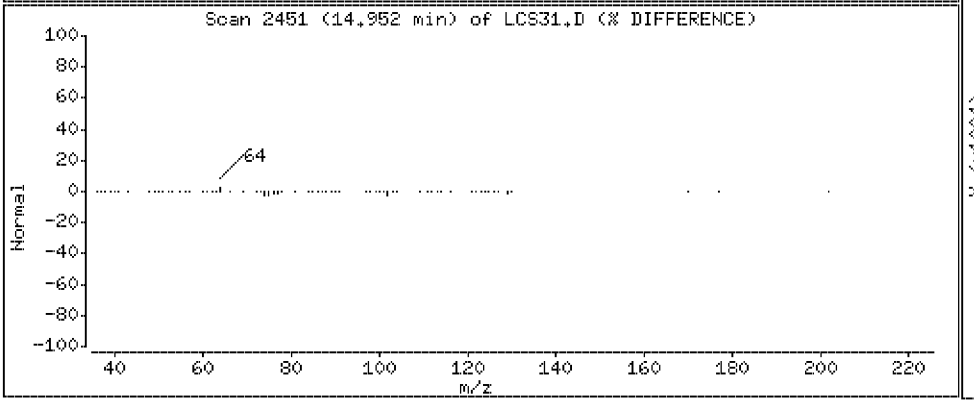
94 Naphthalene

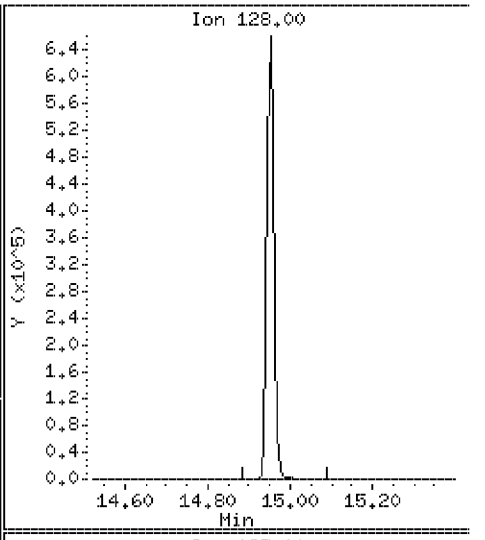
Concentration: 23.0 ug/l

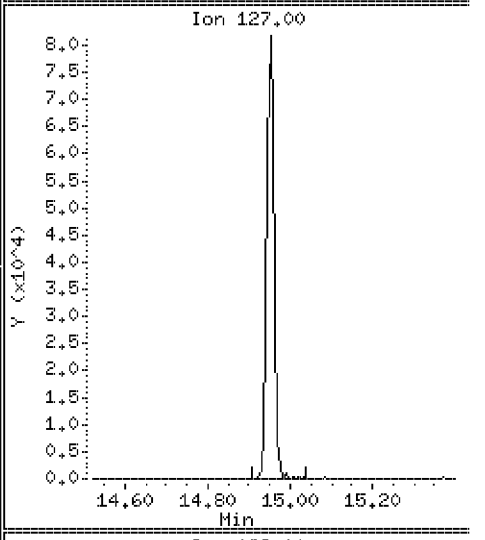


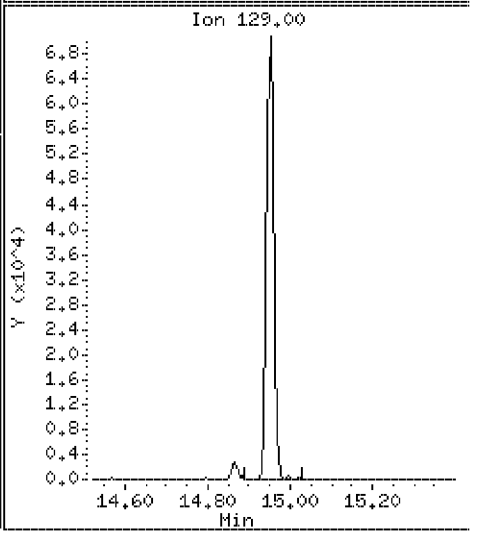












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

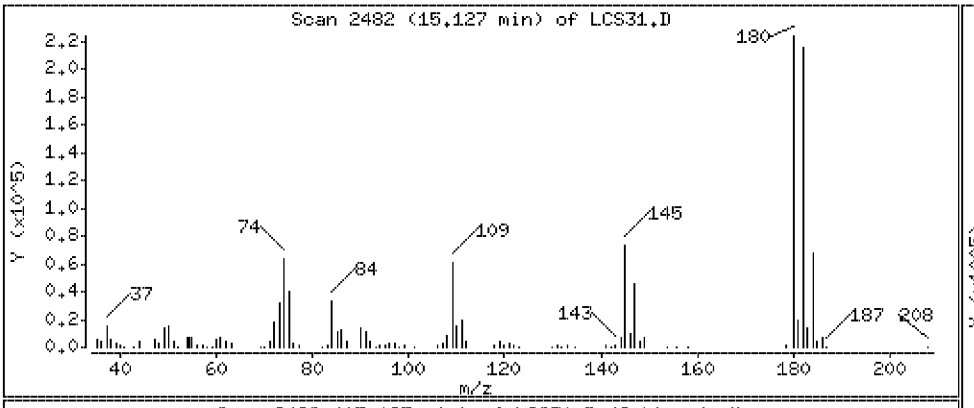
Operator:

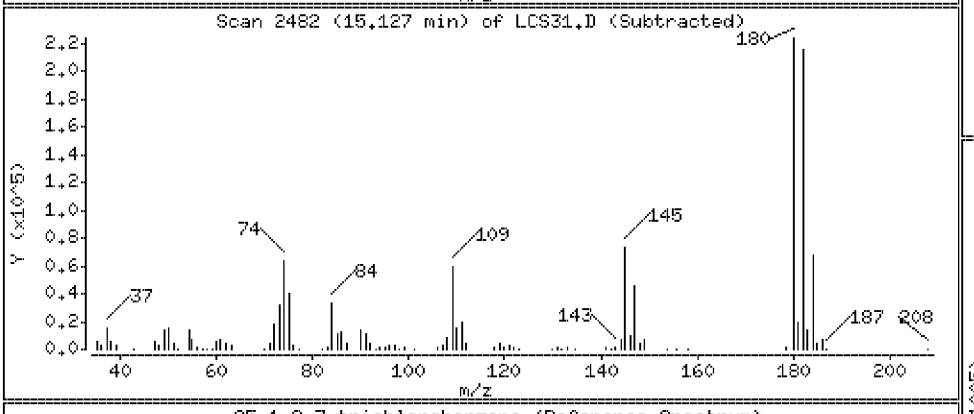
Column phase: DB-624

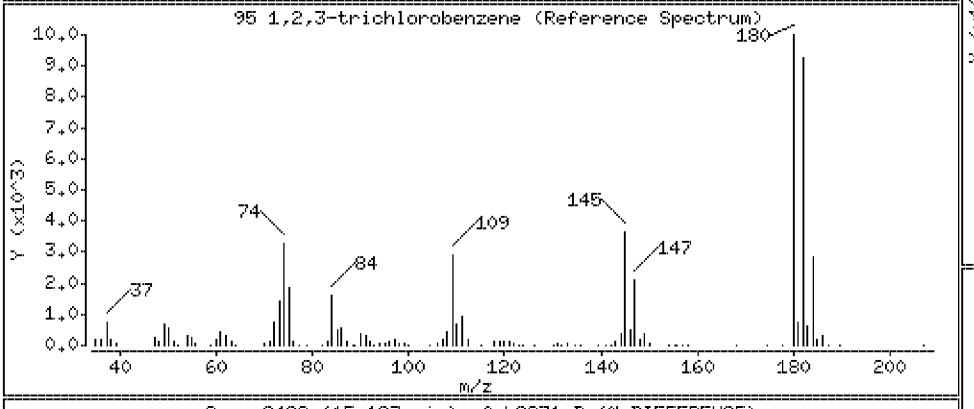
Column diameter: 0.18

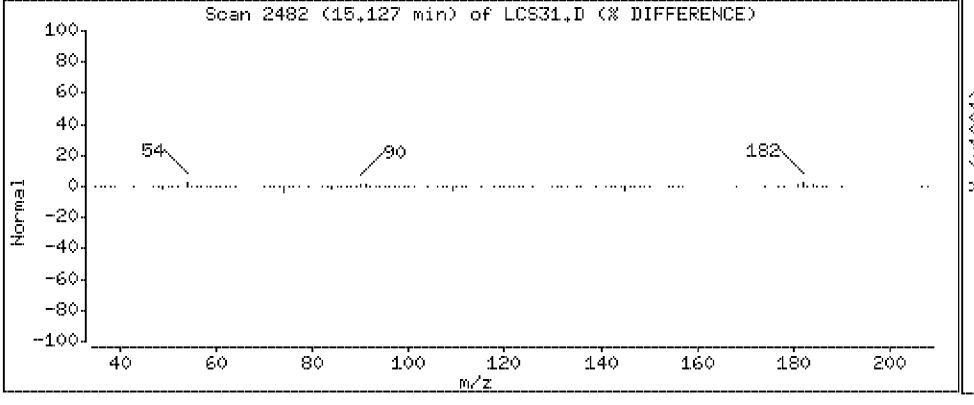
95 1,2,3-trichlorobenzene

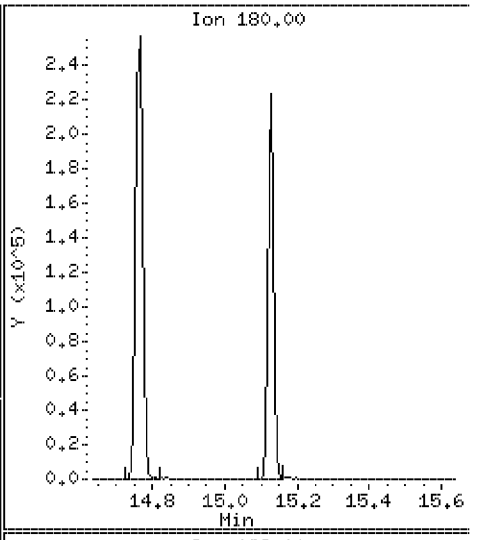
Concentration: 21.9 ug/l

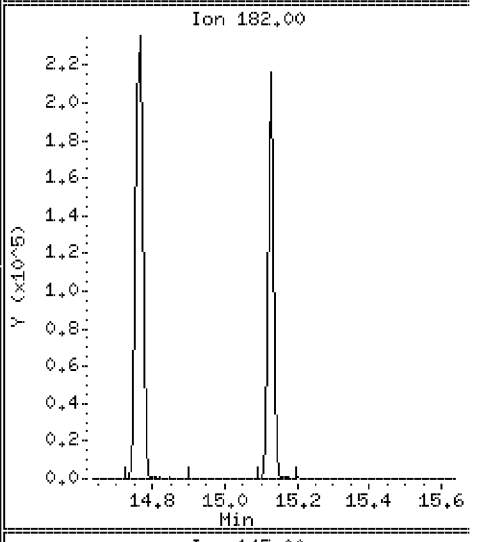


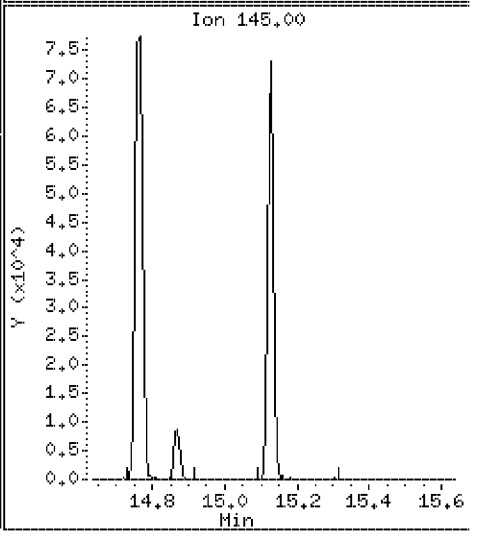












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

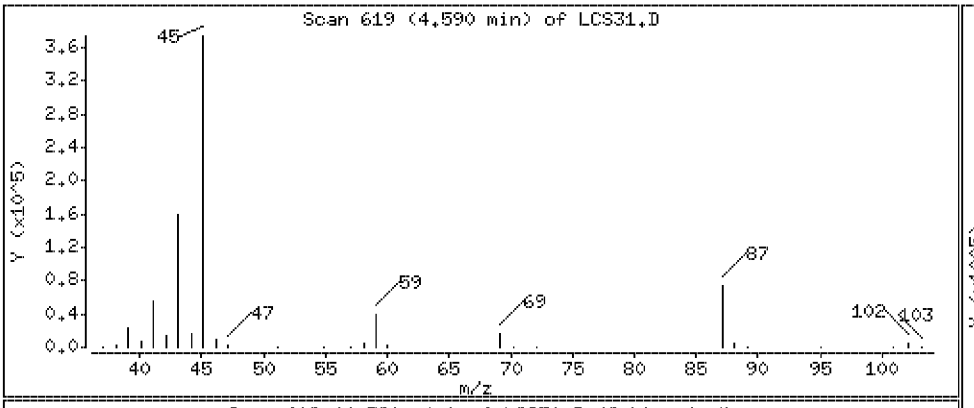
Client ID: 121709LCSA31 Instrument: vms03.i

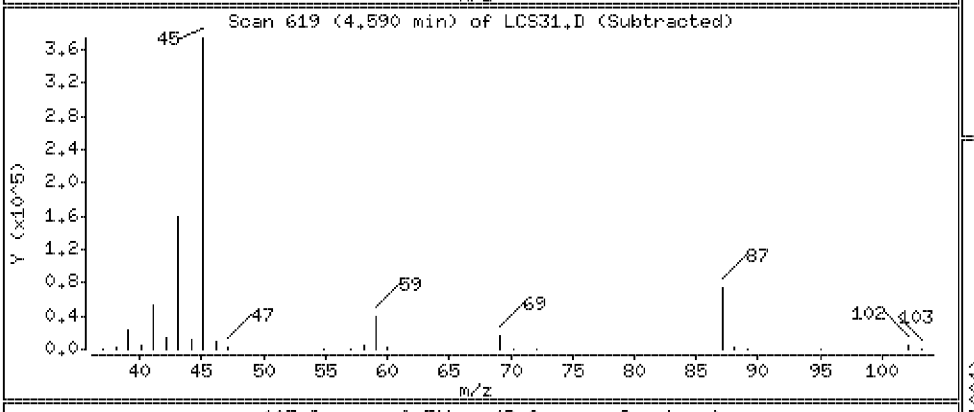
Sample Info: 121709LCSA31

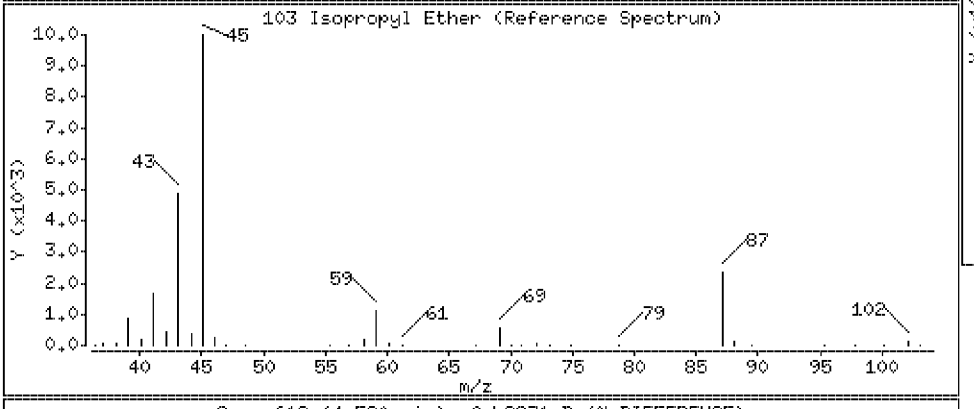
Purge Volume: 5.0 Operator:

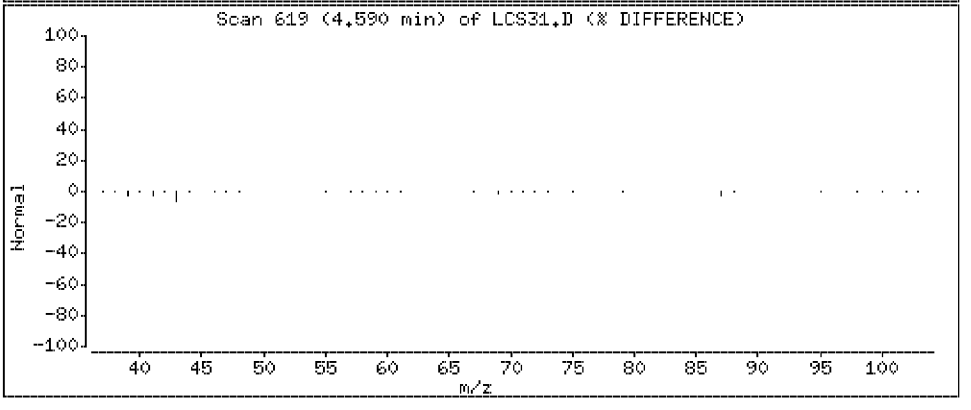
Column phase: DB-624 Column diameter: 0.18

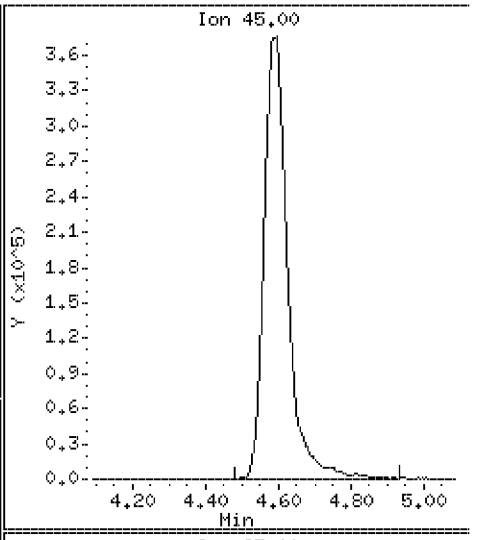
103 Isopropyl Ether Concentration: 20.3 ug/l

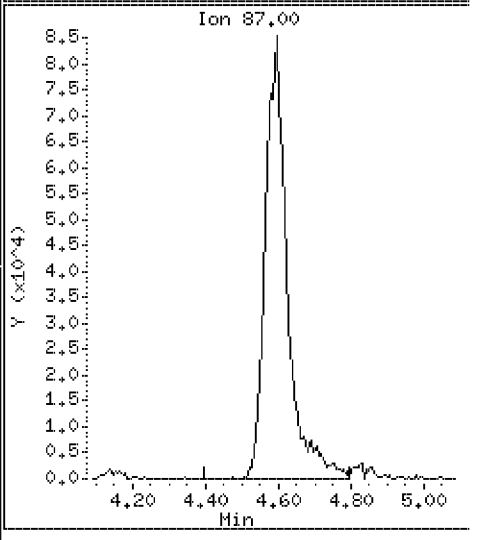












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

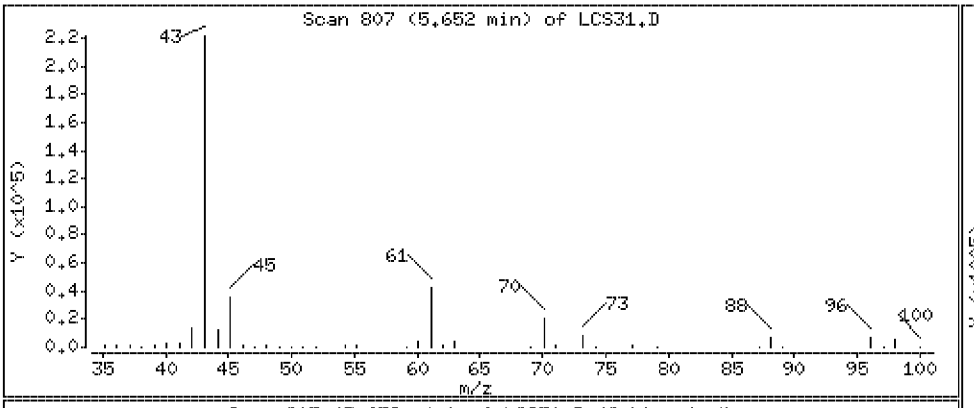
Client ID: 121709LCSA31 Instrument: vms03.i

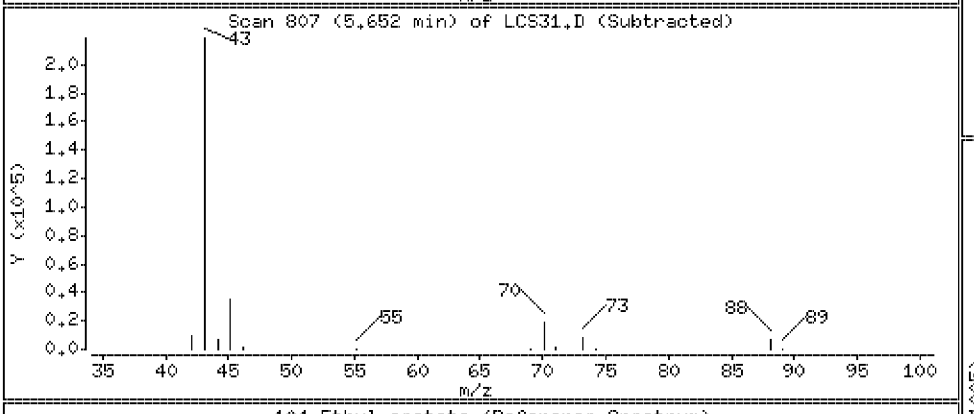
Sample Info: 121709LCSA31

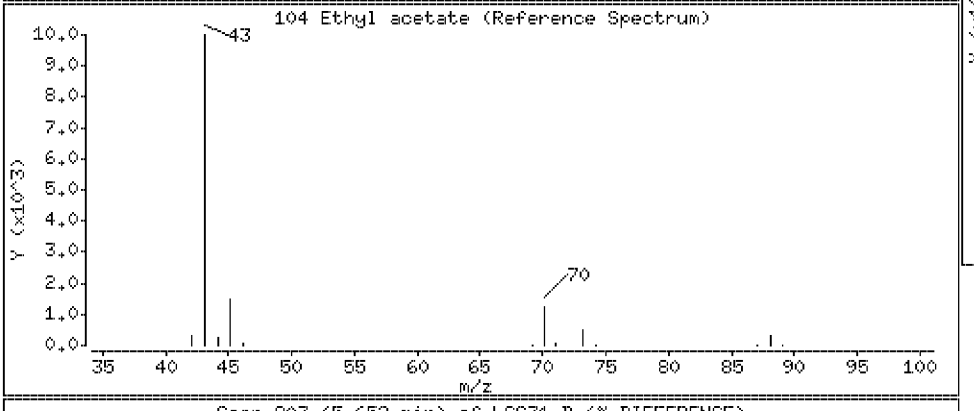
Purge Volume: 5.0 Operator:

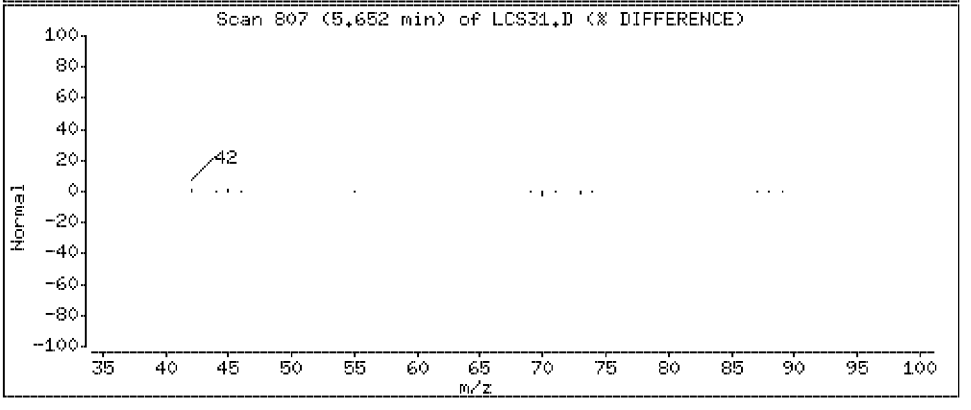
Column phase: DB-624 Column diameter: 0.18

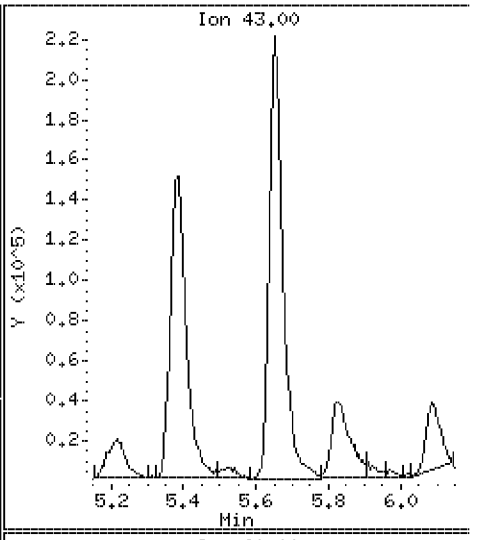
104 Ethyl acetate Concentration: 42.3 ug/l

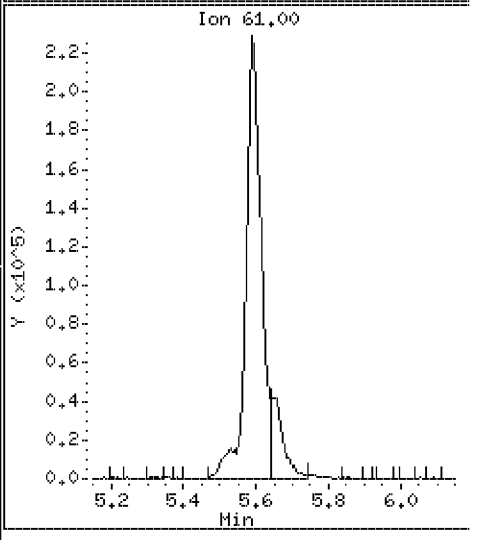












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

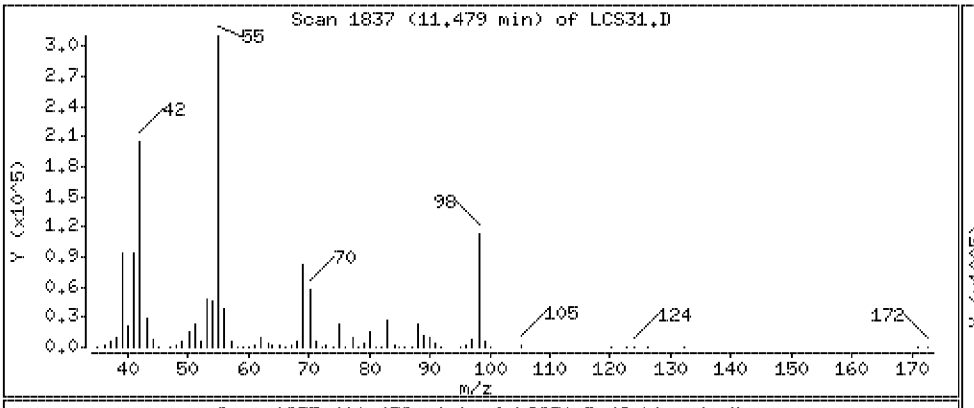
Client ID: 121709LCSA31 Instrument: vms03.i

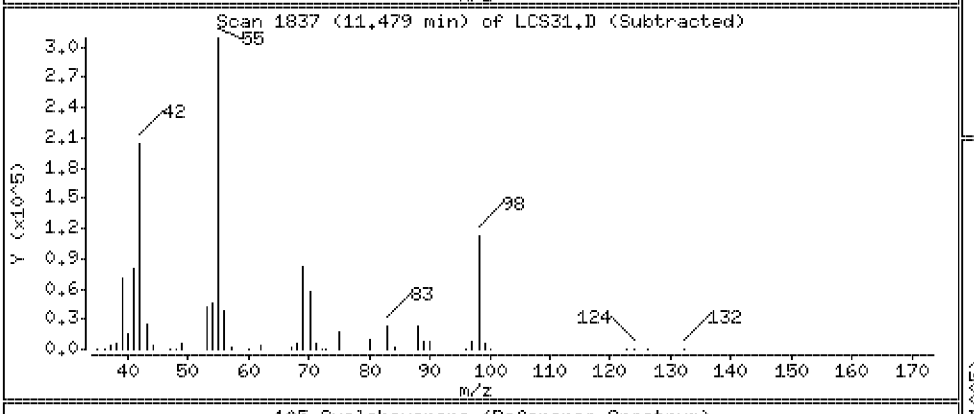
Sample Info: 121709LCSA31

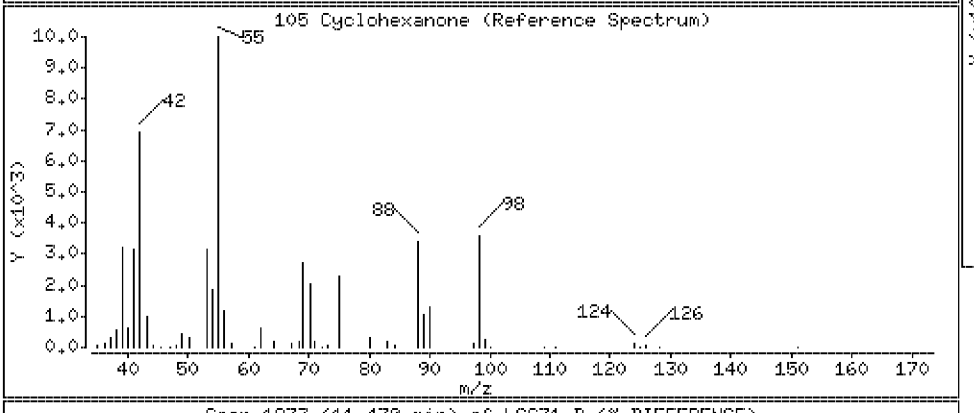
Purge Volume: 5.0 Operator:

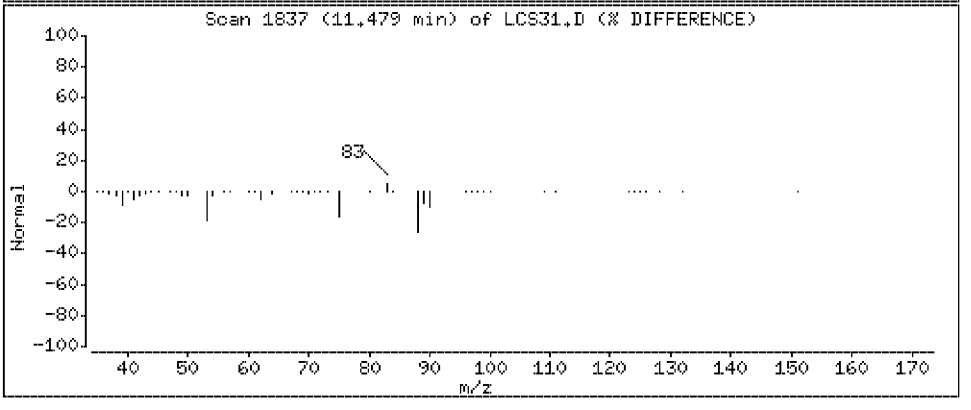
Column phase: DB-624 Column diameter: 0.18

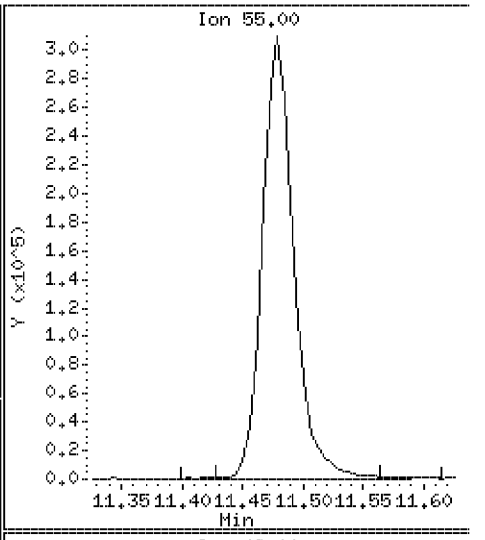
105 Cyclohexanone Concentration: 252 ug/l

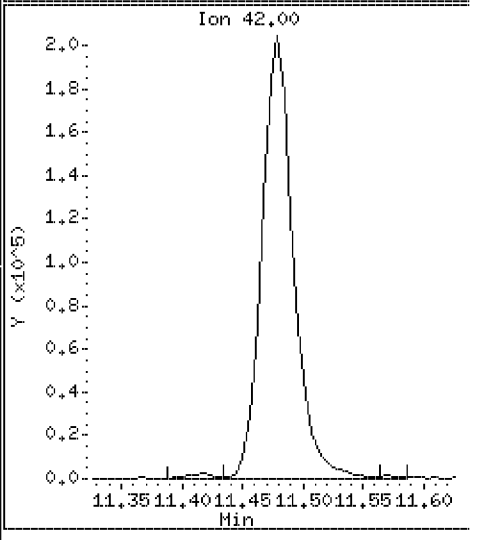












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Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

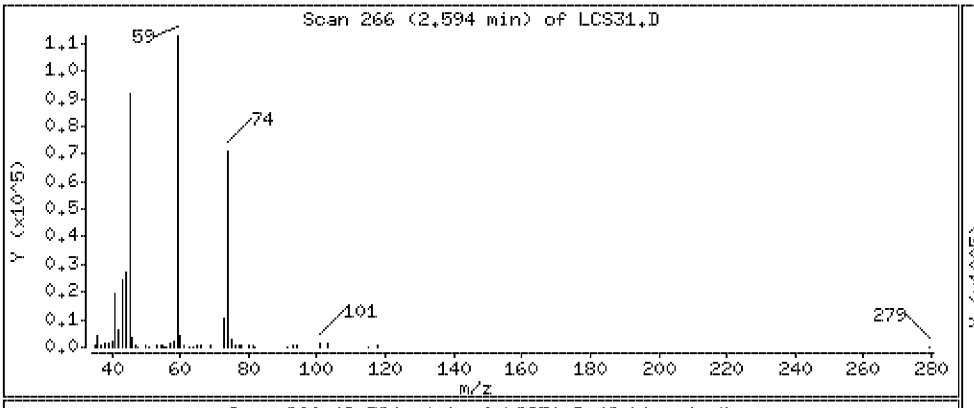
Operator:

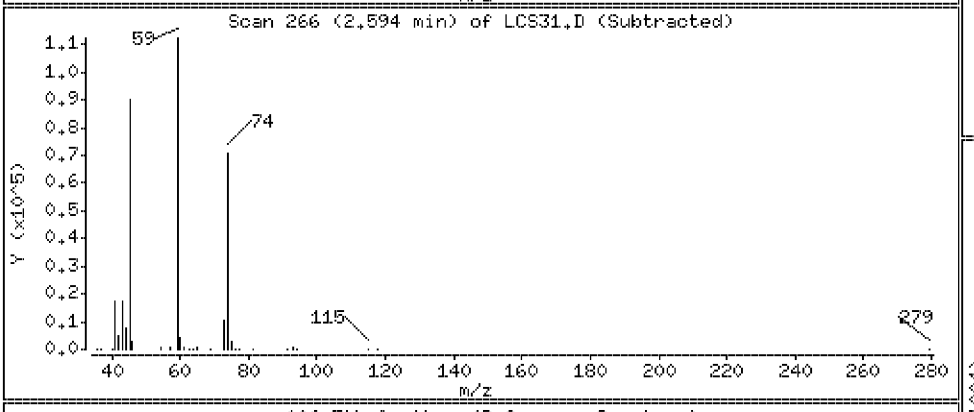
Column phase: DB-624

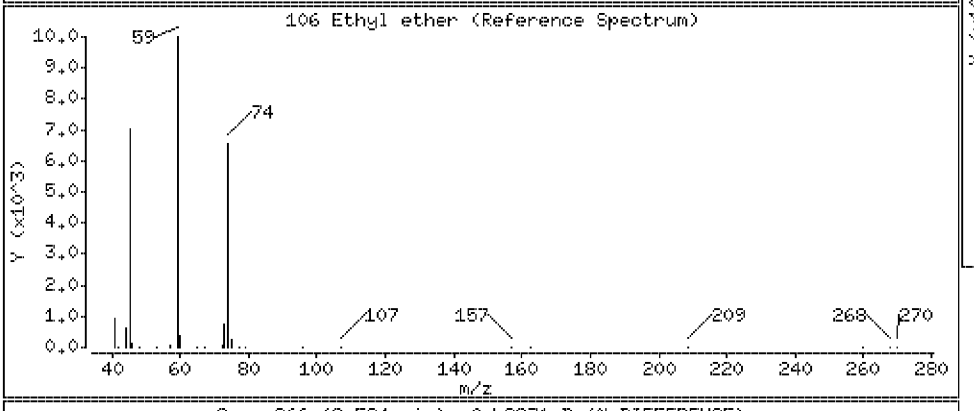
Column diameter: 0.18

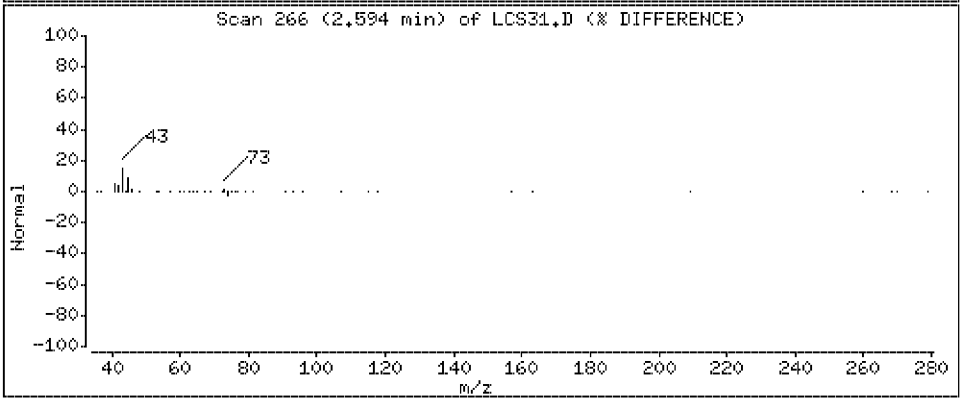
106 Ethyl ether

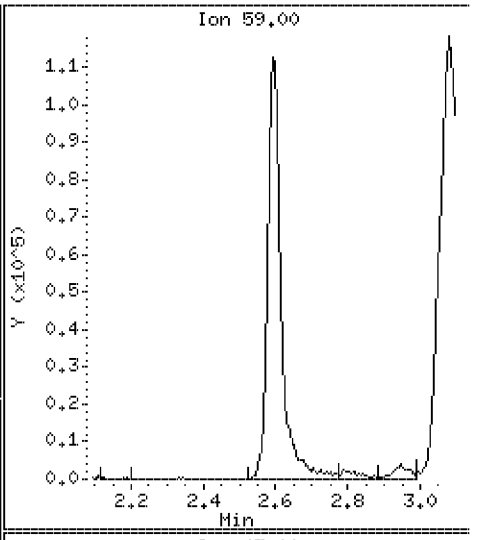
Concentration: 19.9 ug/l

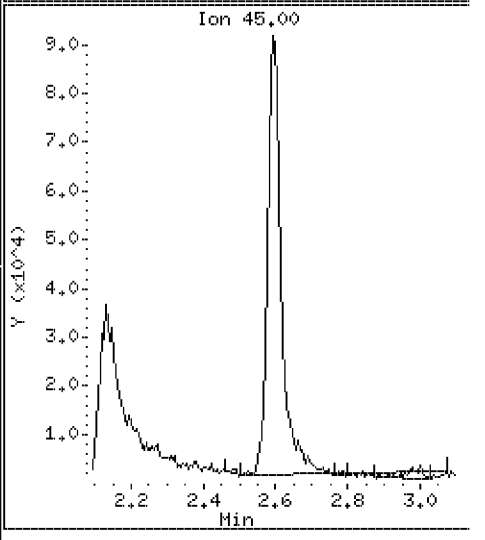












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

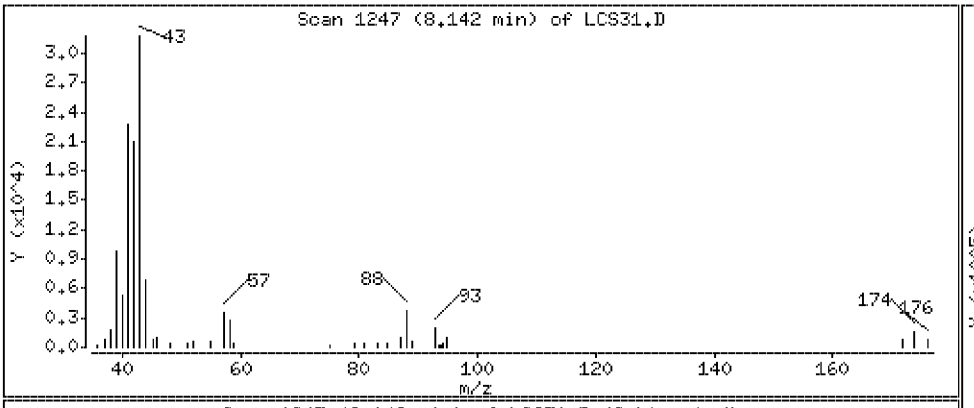
Client ID: 121709LCSA31 Instrument: vms03.i

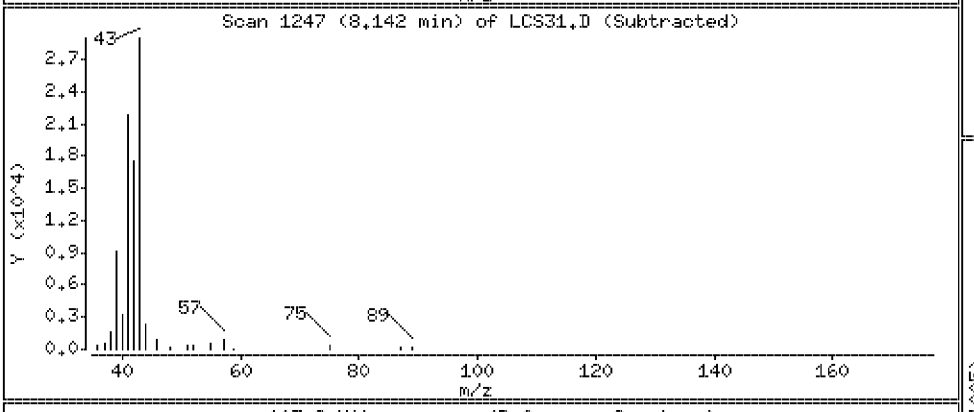
Sample Info: 121709LCSA31

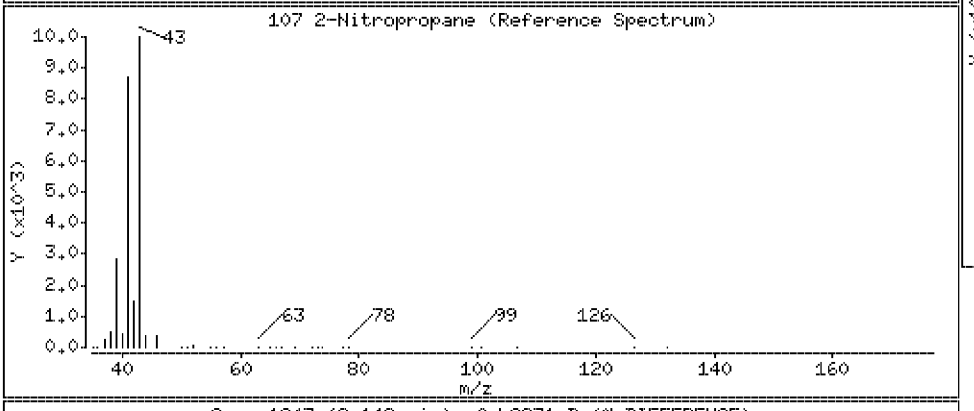
Purge Volume: 5.0 Operator:

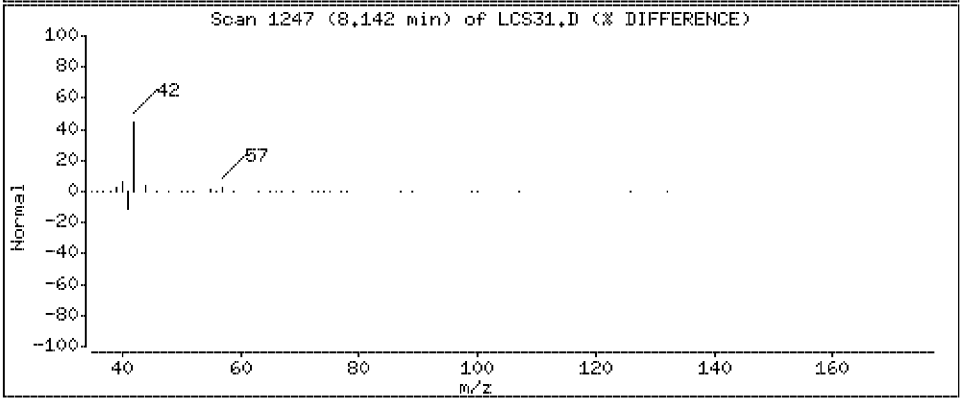
Column phase: DB-624 Column diameter: 0.18

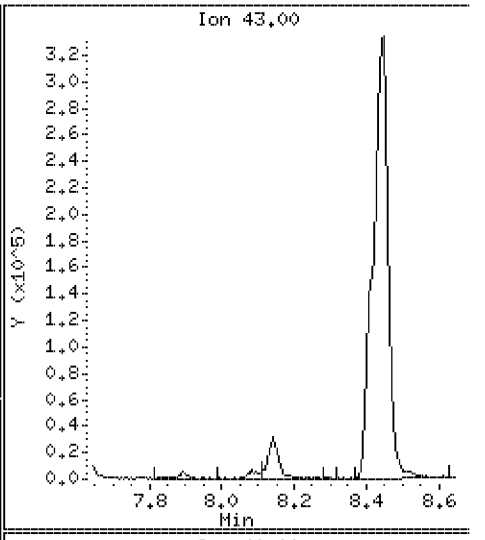
107 2-Nitropropane Concentration: 38.5 ug/l

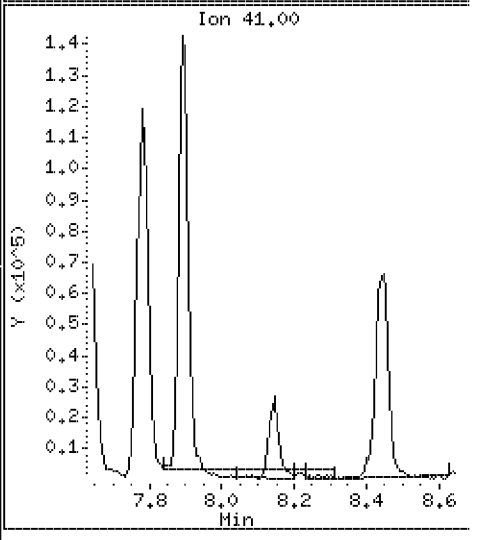












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

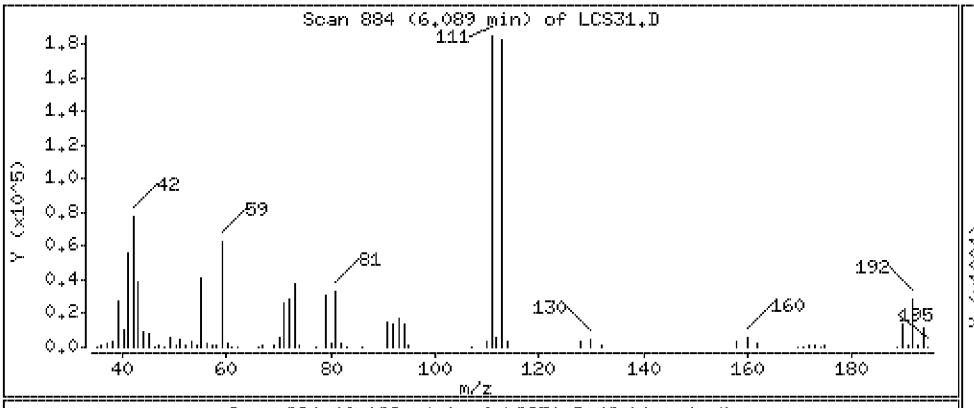
Client ID: 121709LCSA31 Instrument: vms03.i

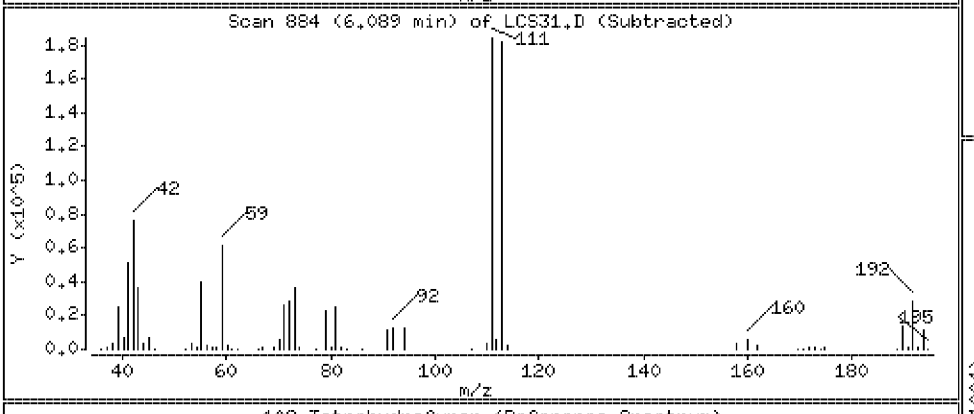
Sample Info: 121709LCSA31

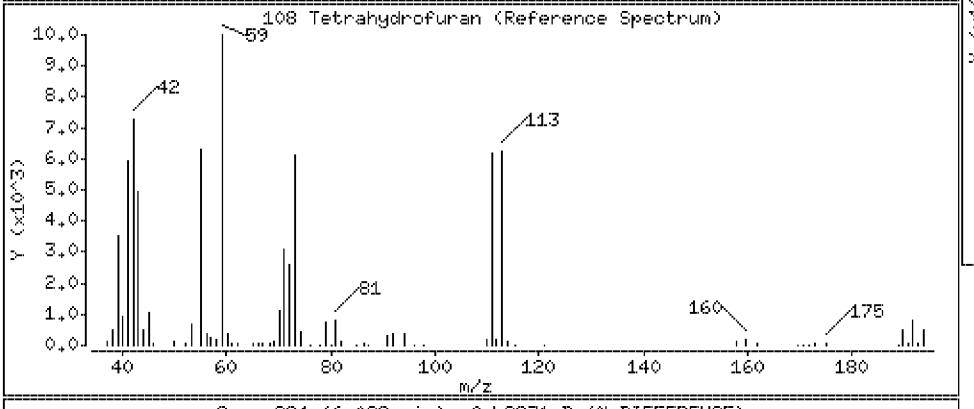
Purge Volume: 5.0 Operator:

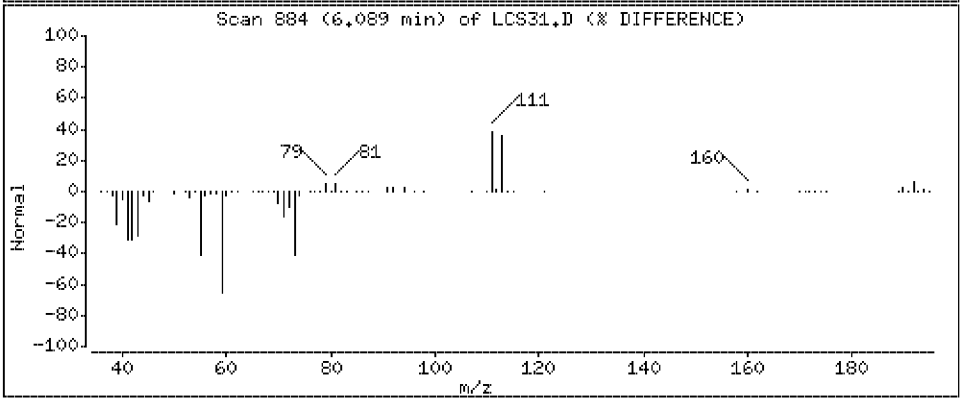
Column phase: DB-624 Column diameter: 0.18

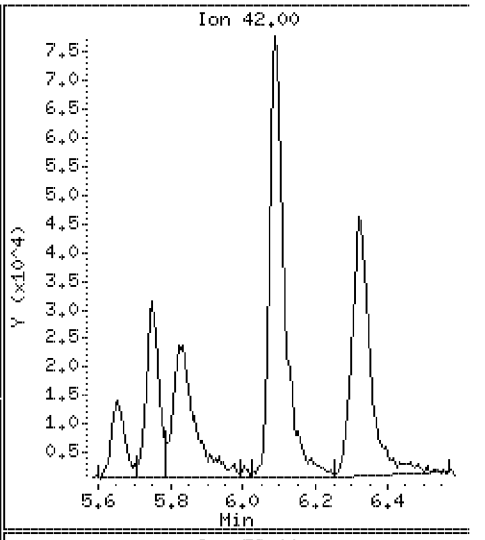
108 Tetrahydrofuran Concentration: 44.7 ug/l

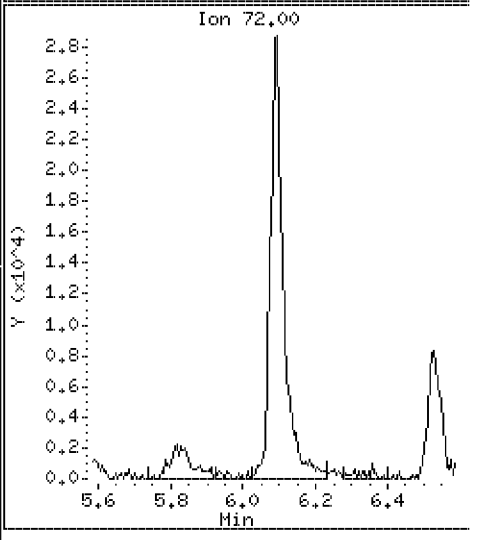












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

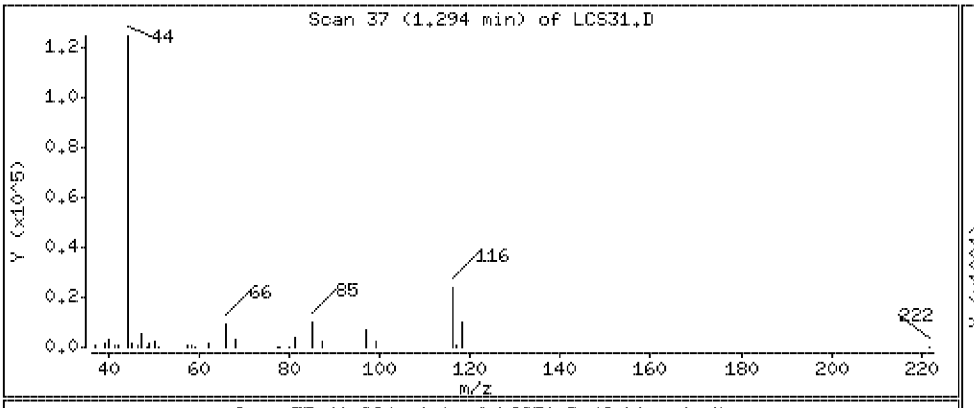
Client ID: 121709LCSA31 Instrument: vms03.i

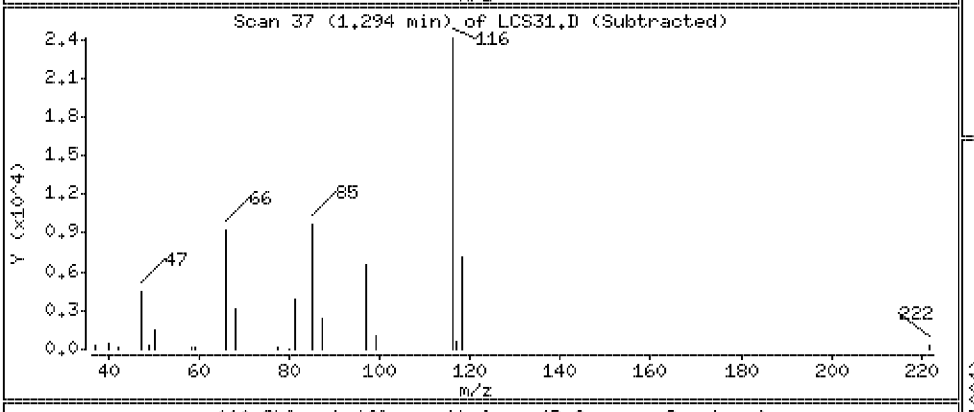
Sample Info: 121709LCSA31

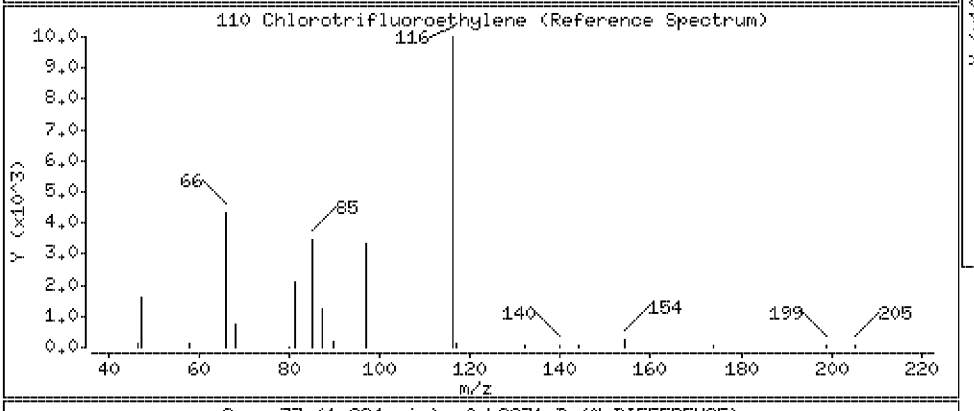
Purge Volume: 5.0 Operator:

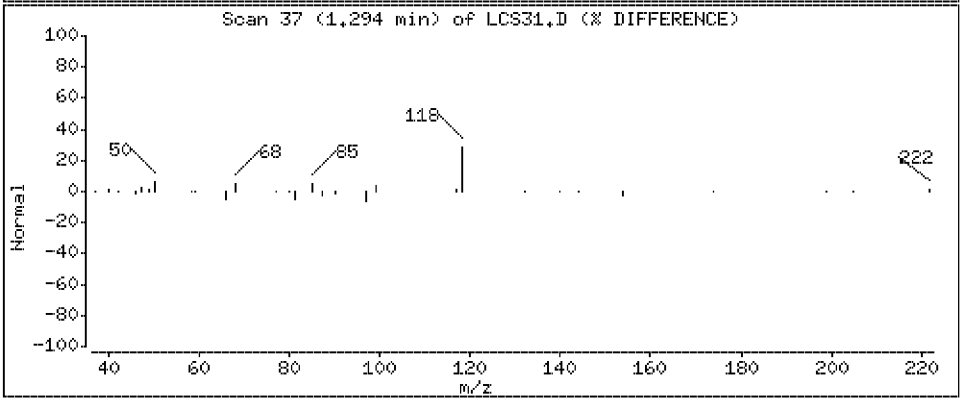
Column phase: DB-624 Column diameter: 0.18

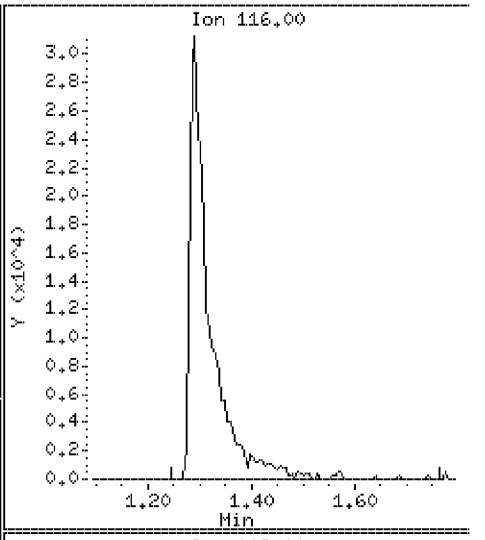
110 Chlorotrifluoroethylene Concentration: 22.4 ug/l

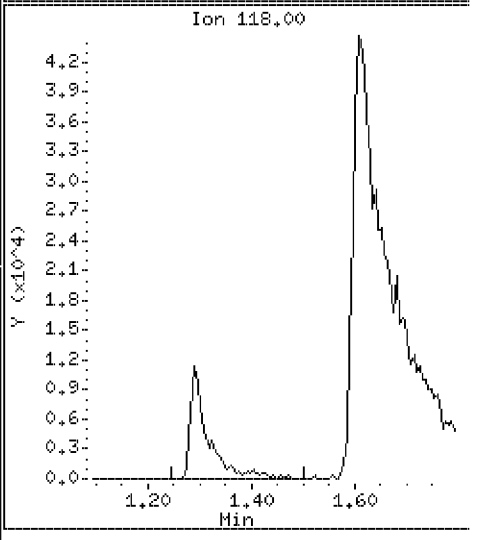












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

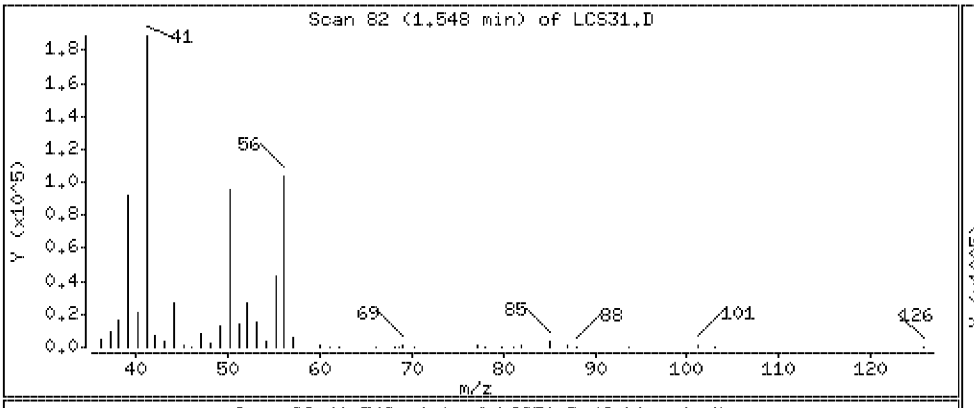
Client ID: 121709LCSA31 Instrument: vms03.i

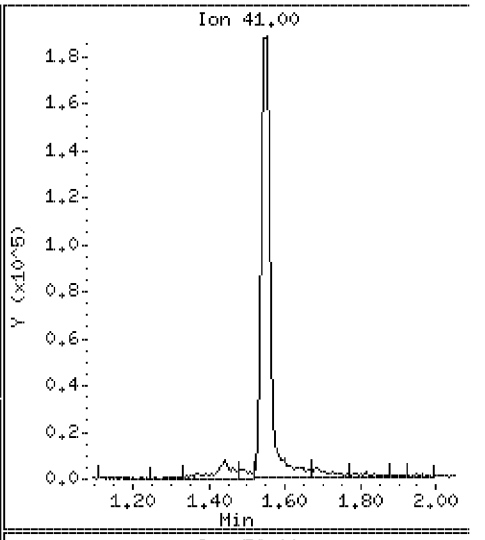
Sample Info: 121709LCSA31

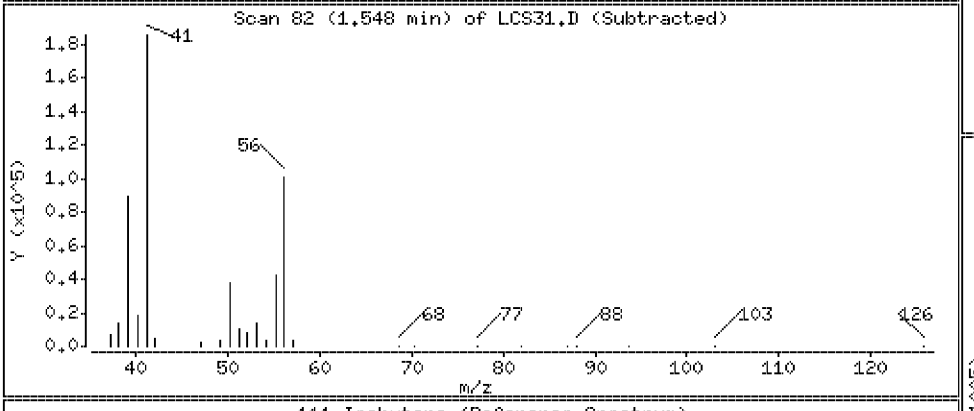
Purge Volume: 5.0 Operator:

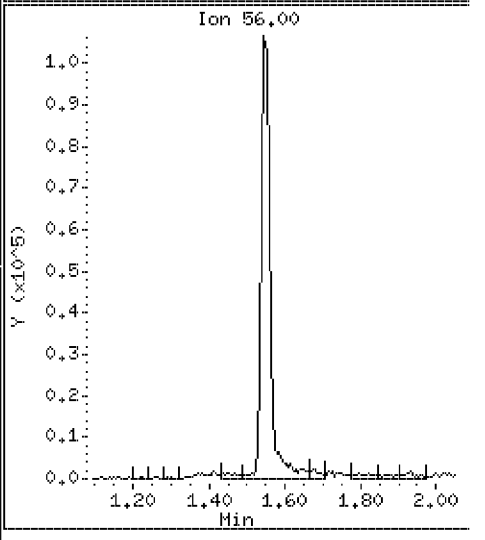
Column phase: DB-624 Column diameter: 0.18

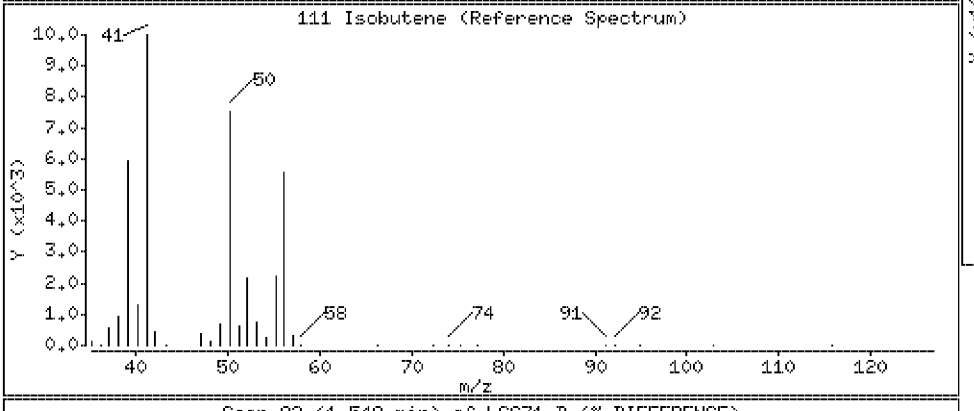
111 Isobutene Concentration: 400 ug/l

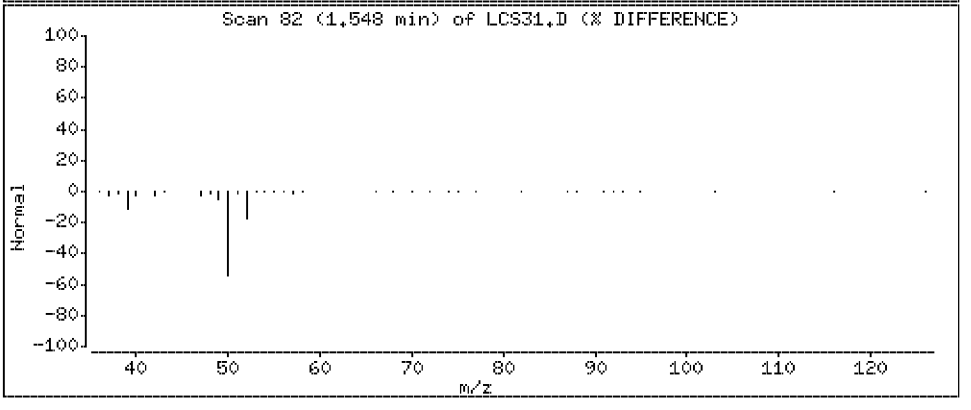












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

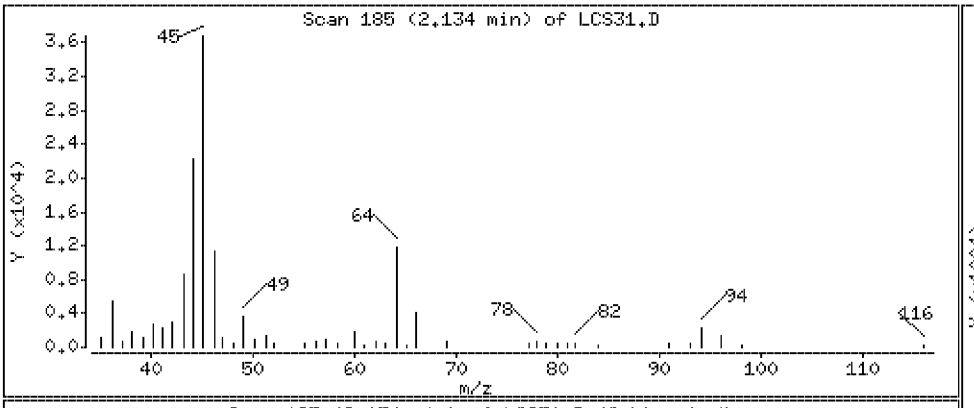
Operator:

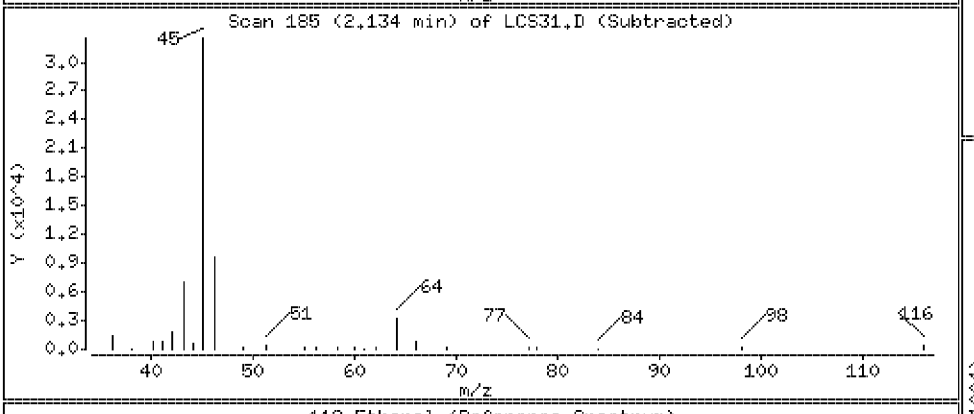
Column phase: DB-624

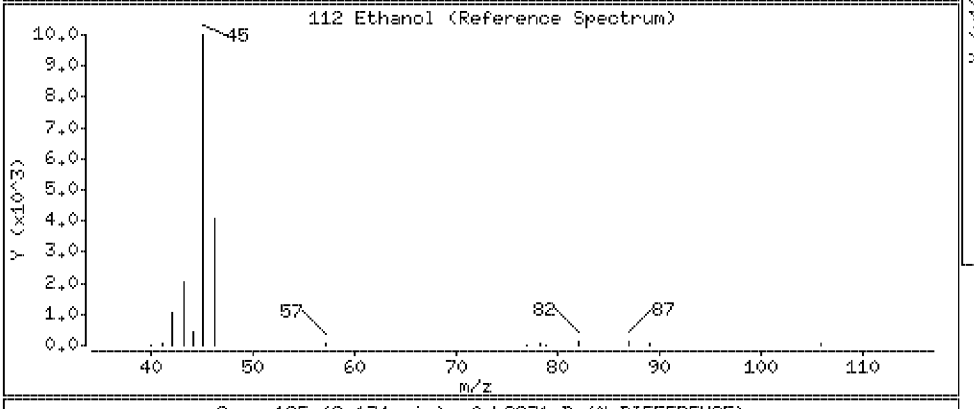
Column diameter: 0.18

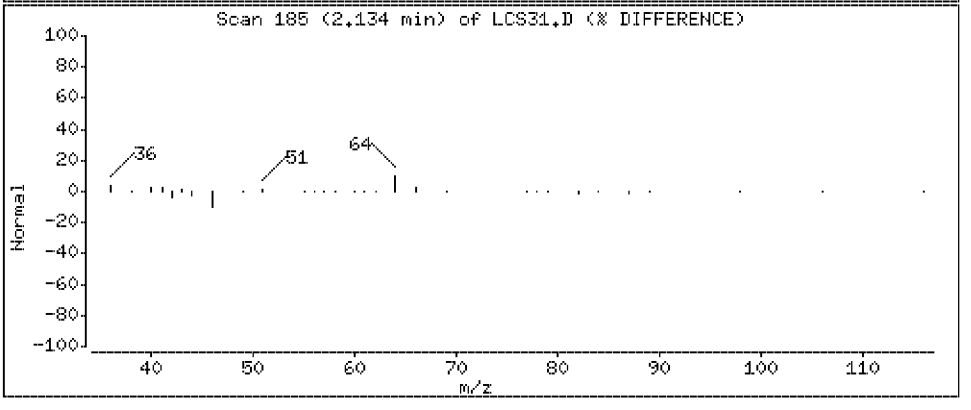
112 Ethanol

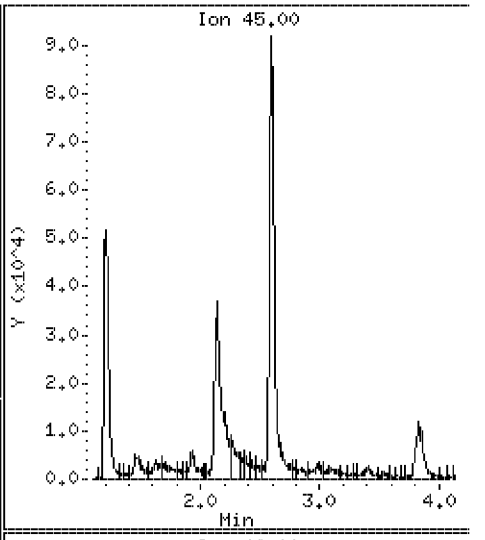
Concentration: 1900 ug/l

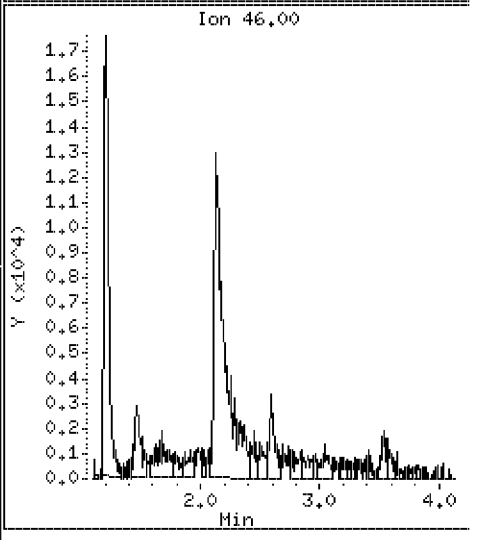












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

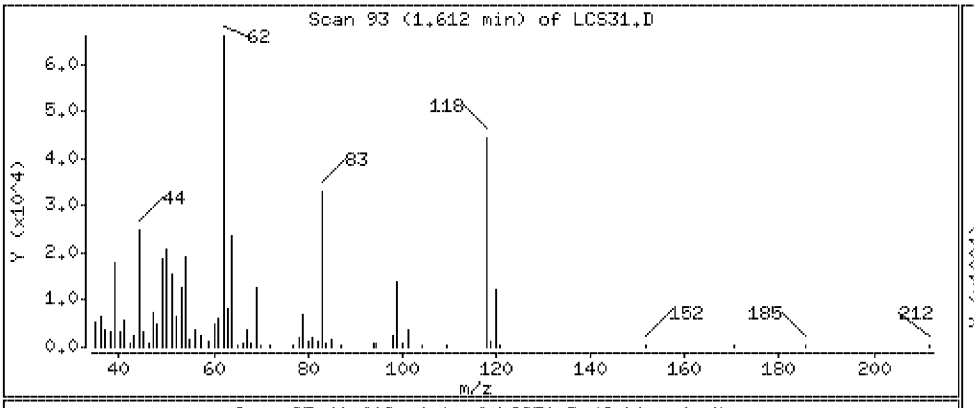
Client ID: 121709LCSA31 | Instrument: vms03.i

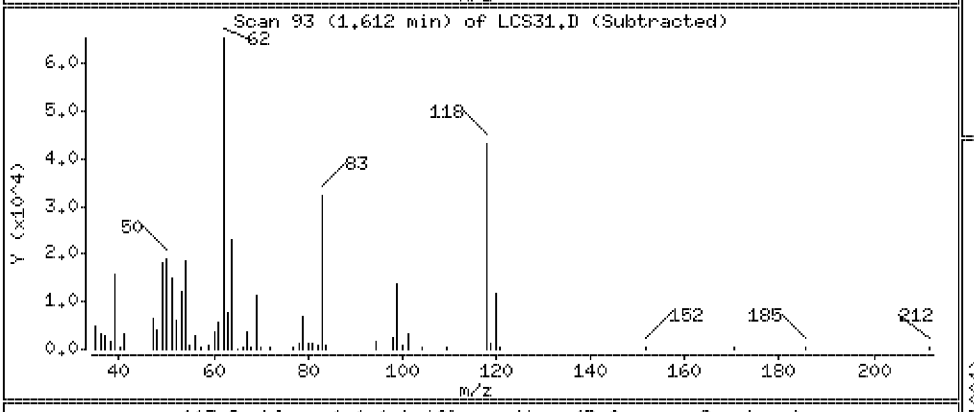
Sample Info: 121709LCSA31

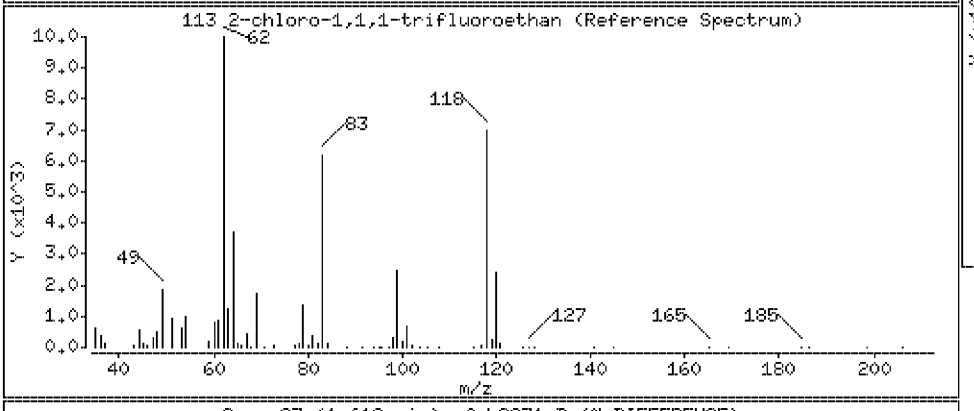
Purge Volume: 5.0 | Operator:

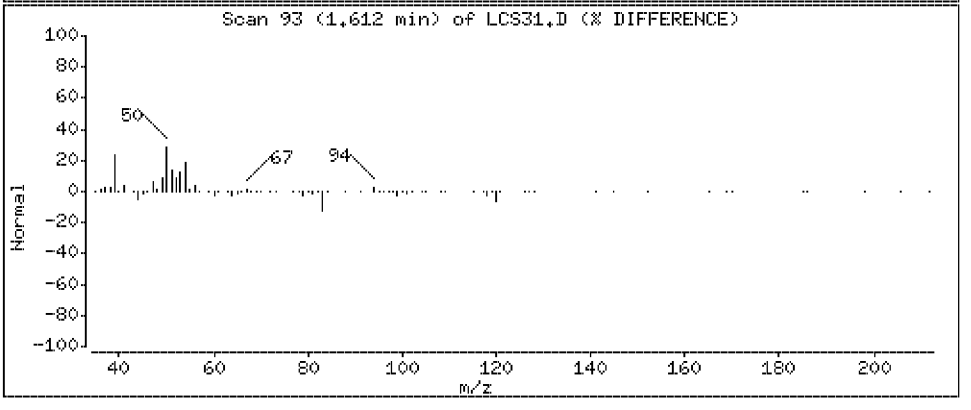
Column phase: DB-624 | Column diameter: 0.18

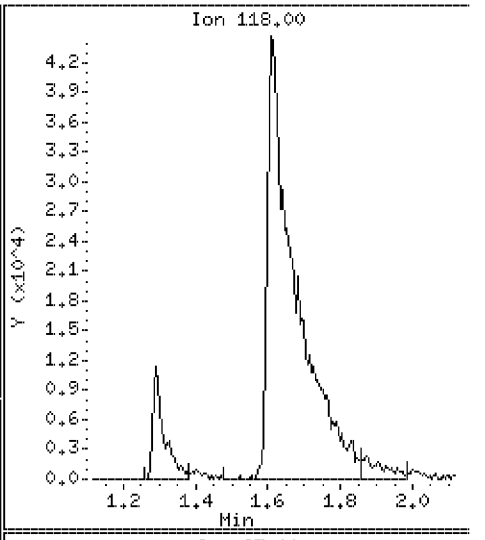
113 2-chloro-1,1,1-trifluoroethan | Concentration: 18.1 ug/l

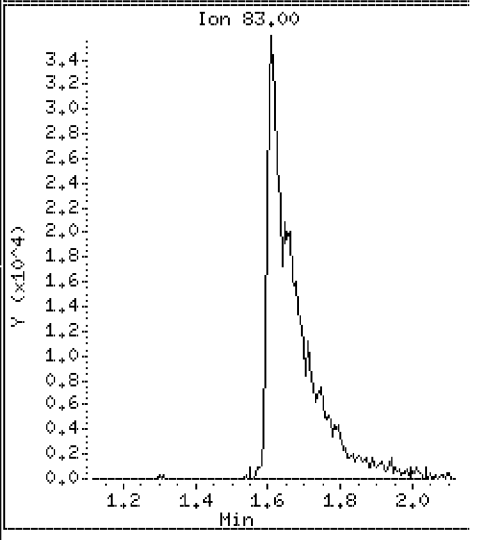












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

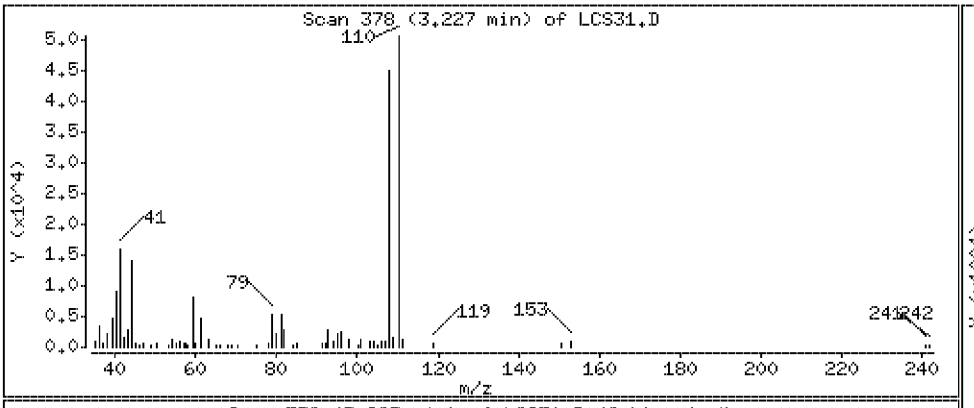
Operator:

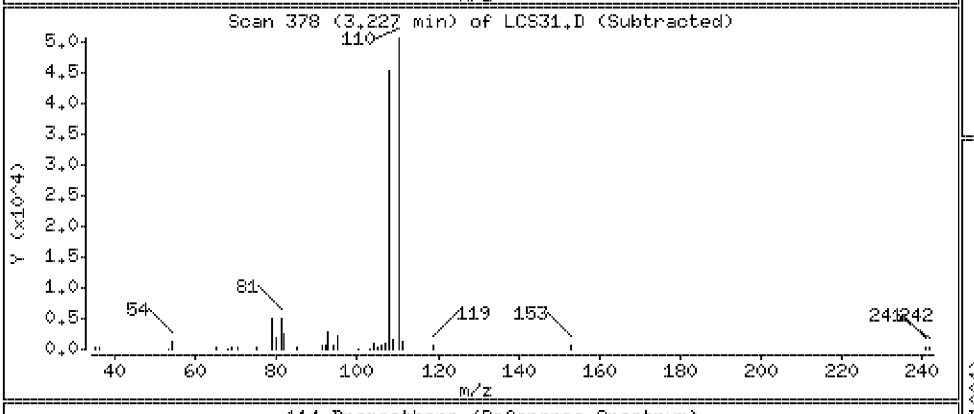
Column phase: DB-624

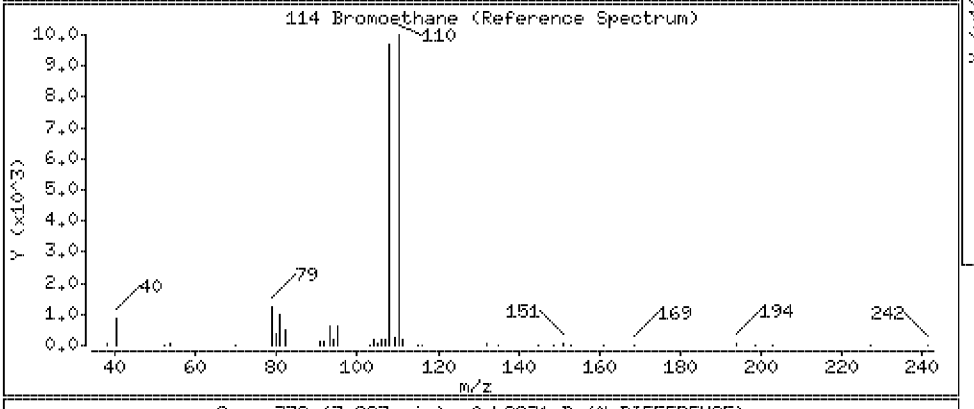
Column diameter: 0.18

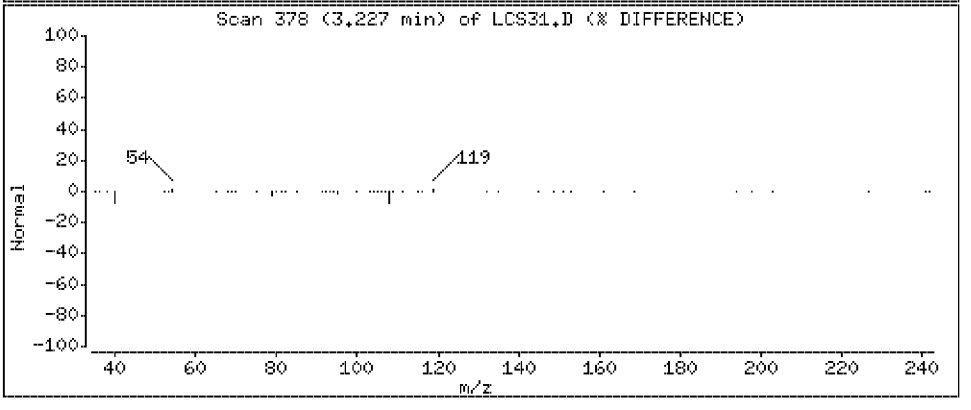
114 Bromoethane

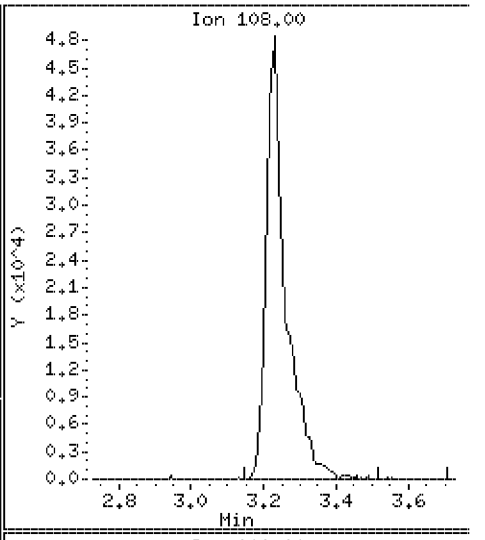
Concentration: 22.2 ug/l

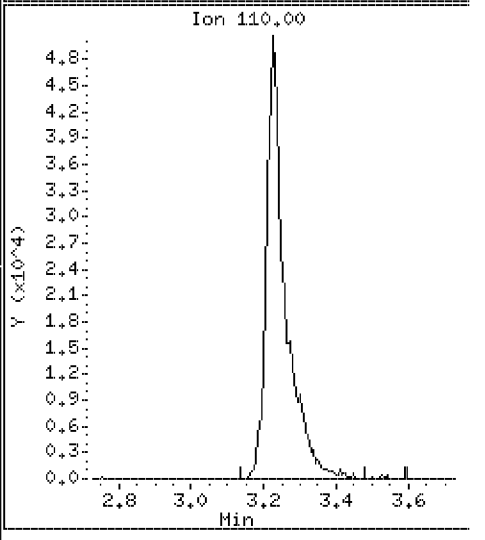












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

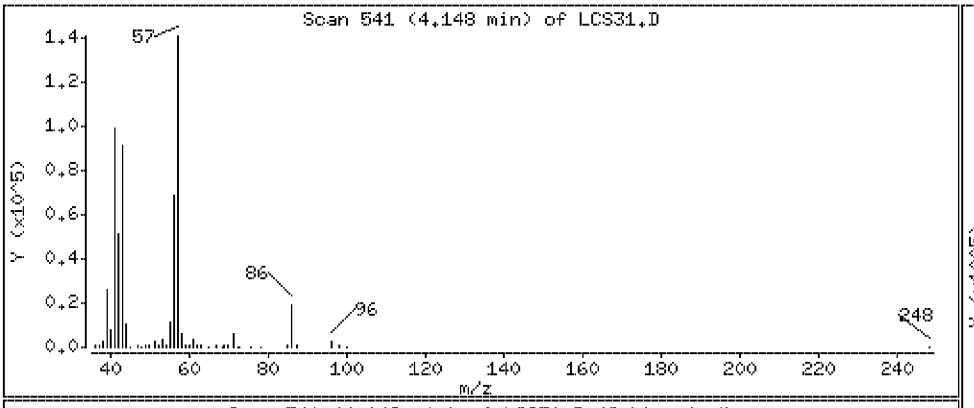
Operator:

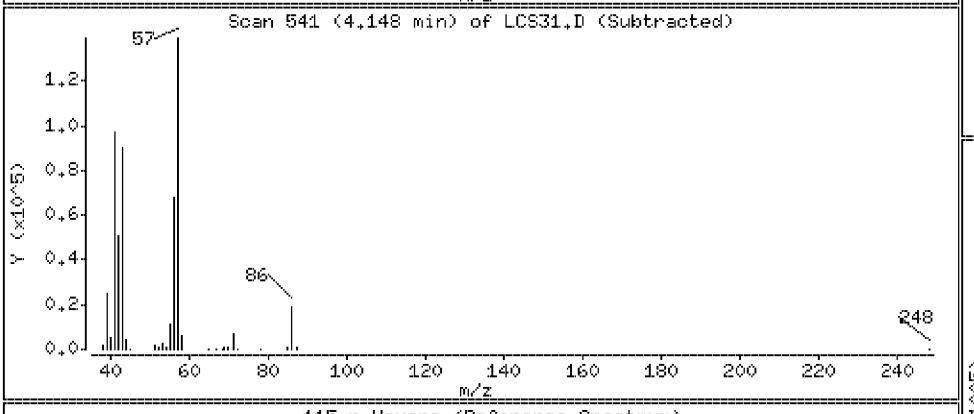
Column phase: DB-624

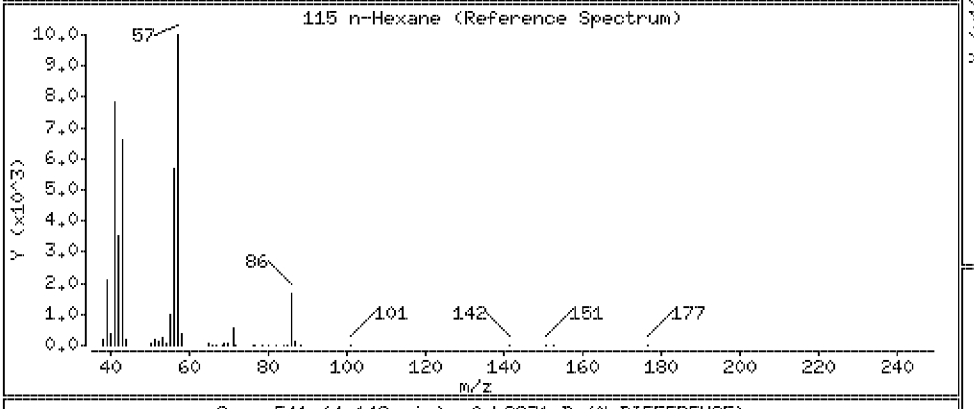
Column diameter: 0.18

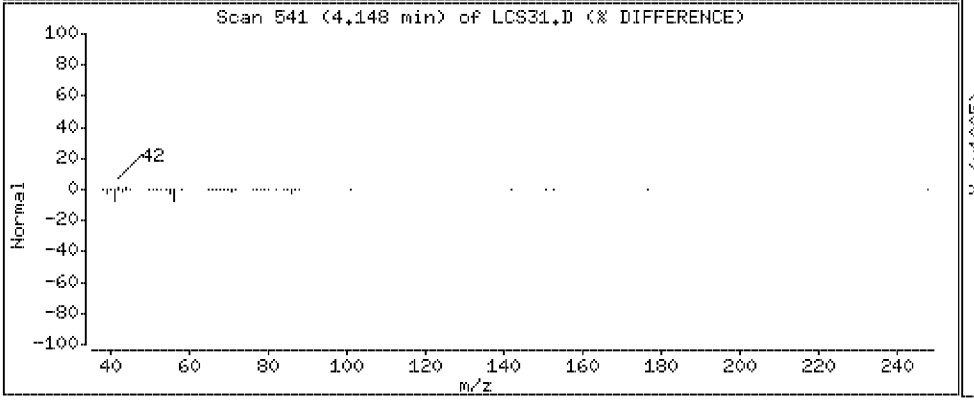
115 n-Hexane

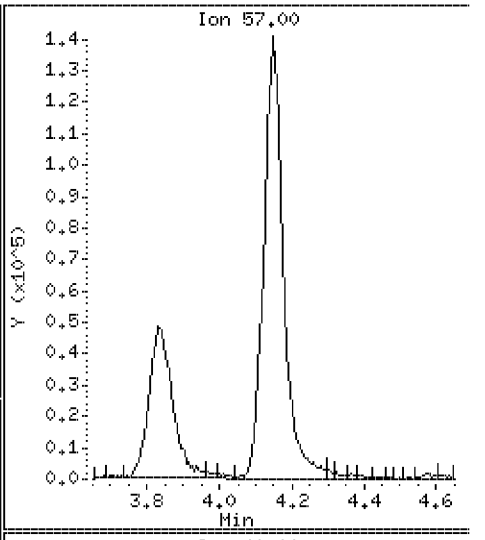
Concentration: 22.9 ug/l

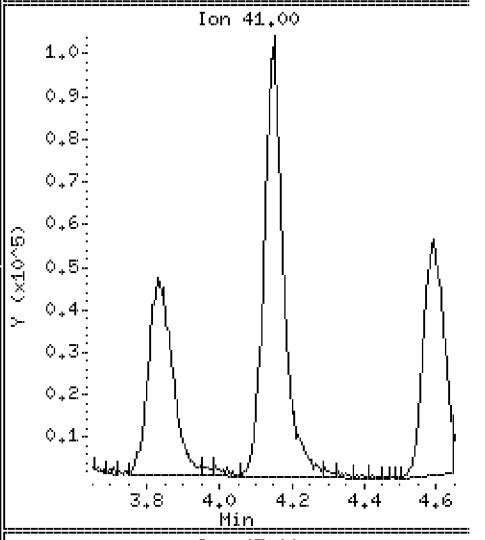


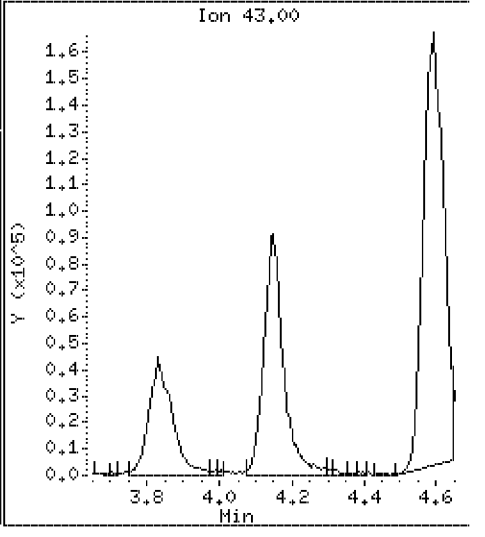












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

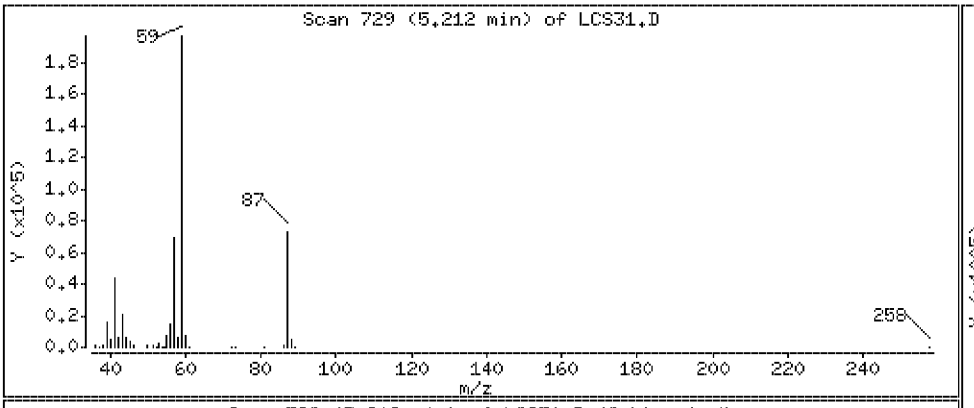
Operator:

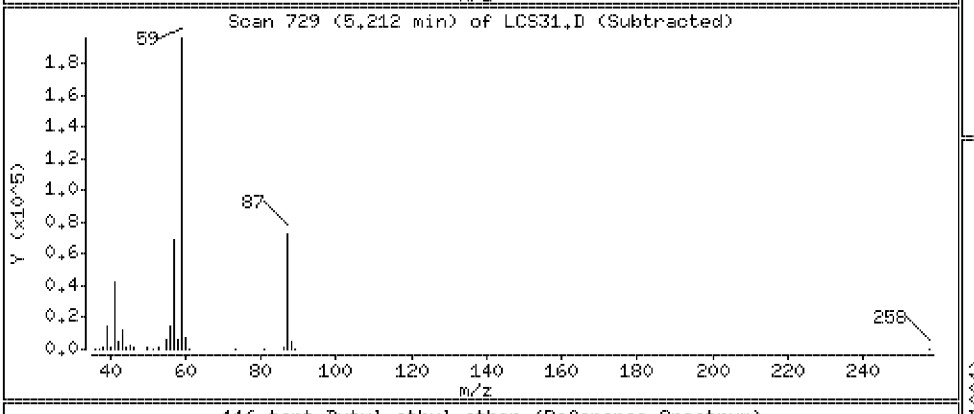
Column phase: DB-624

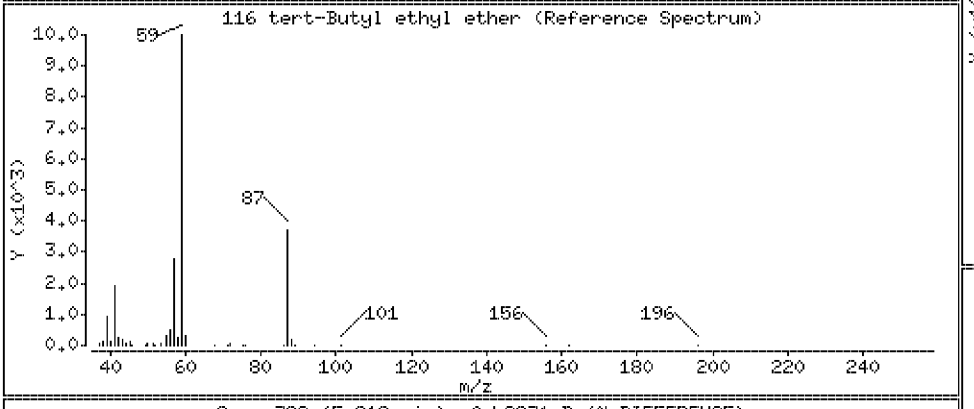
Column diameter: 0.18

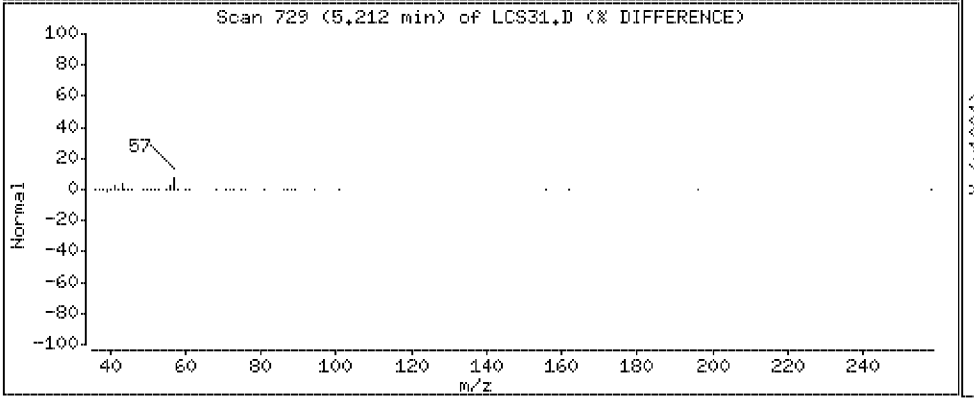
116 tert-Butyl ethyl ether

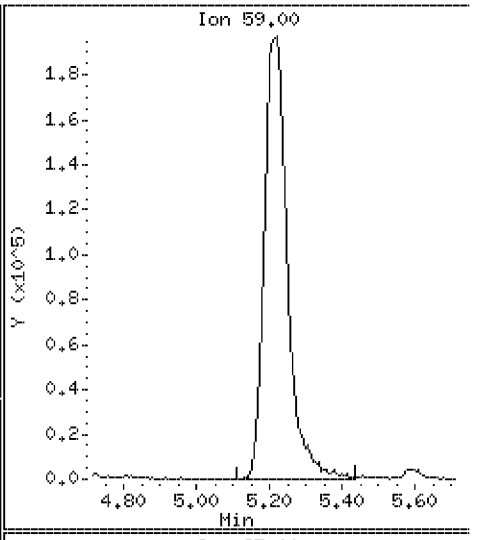
Concentration: 17.9 ug/l

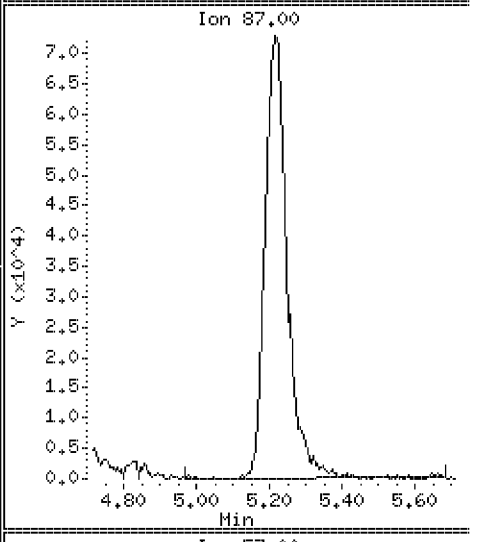


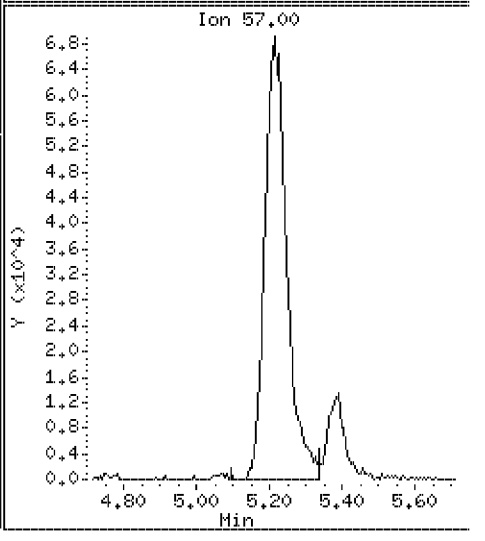












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

Client ID: 121709LCSA31

Instrument: vms03.i

Sample Info: 121709LCSA31

Purge Volume: 5.0

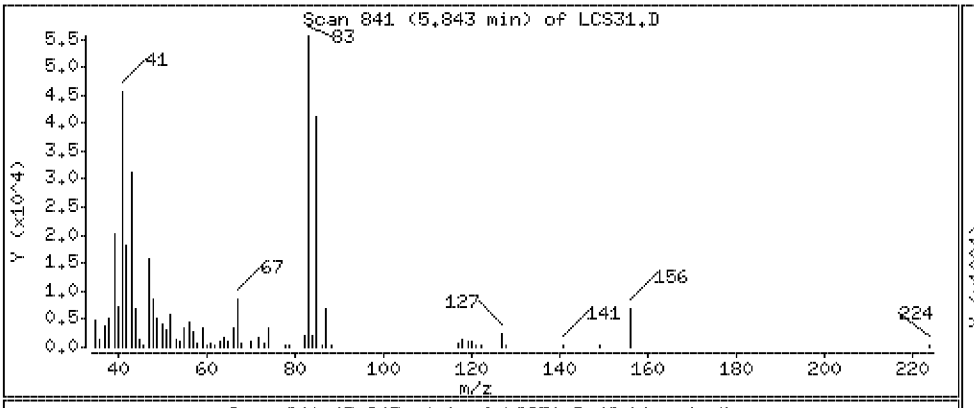
Operator:

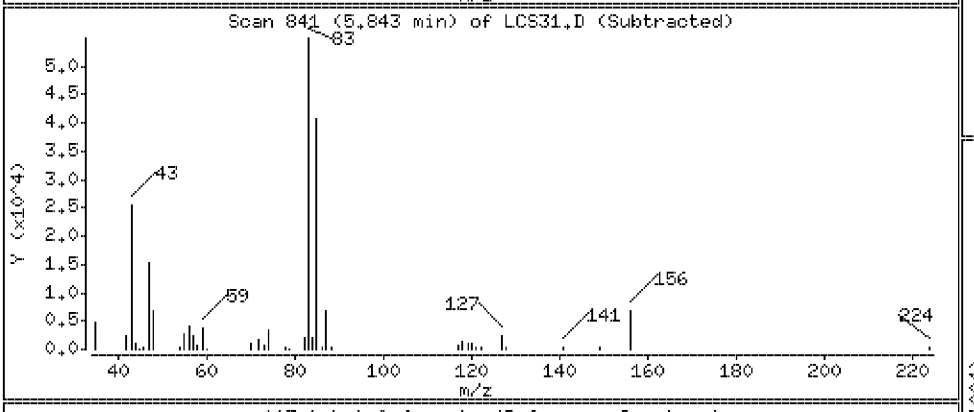
Column phase: DB-624

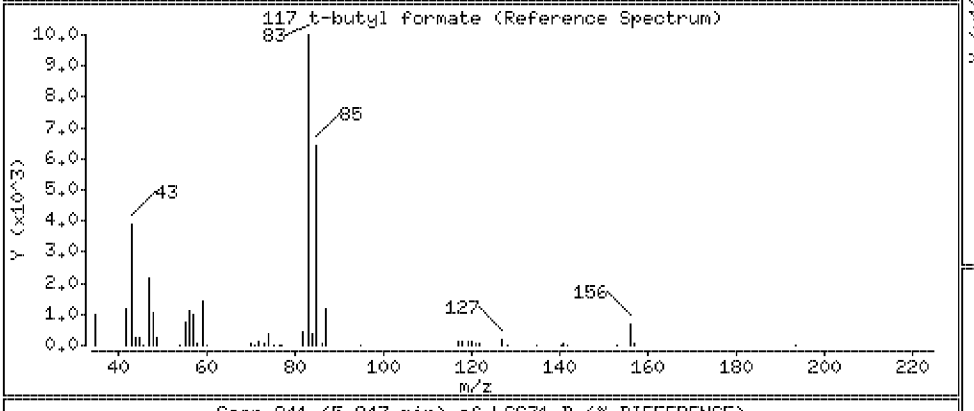
Column diameter: 0.18

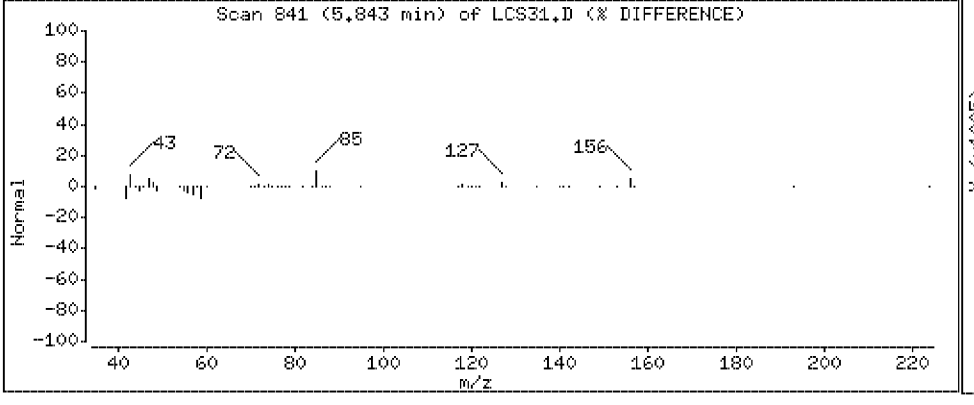
117 t-butyl formate

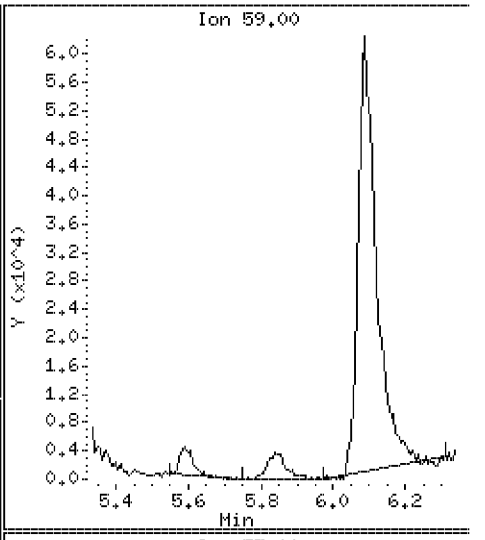
Concentration: 252 ug/l

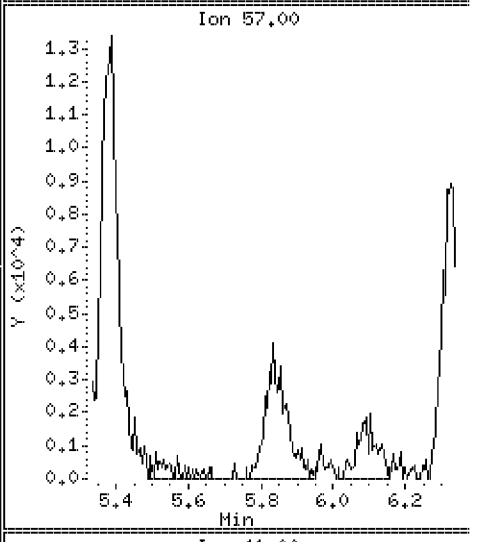


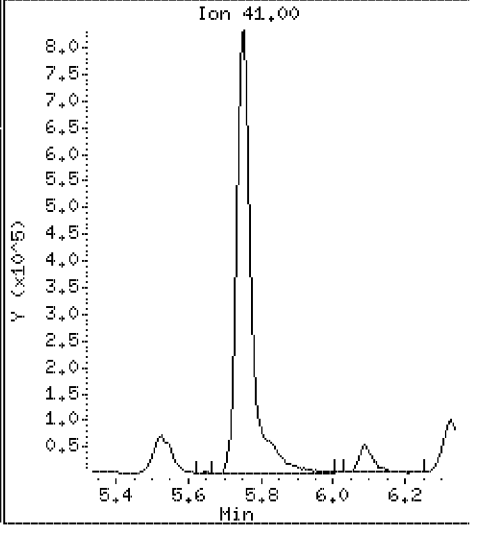












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

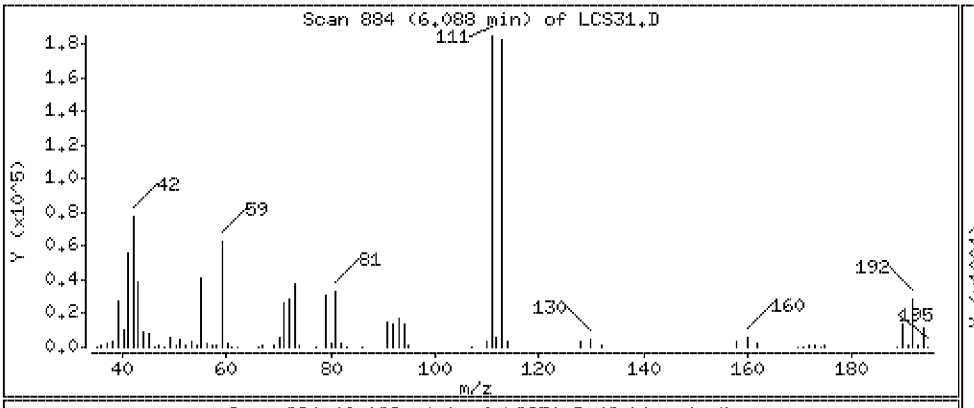
Client ID: 121709LCSA31 Instrument: vms03.i

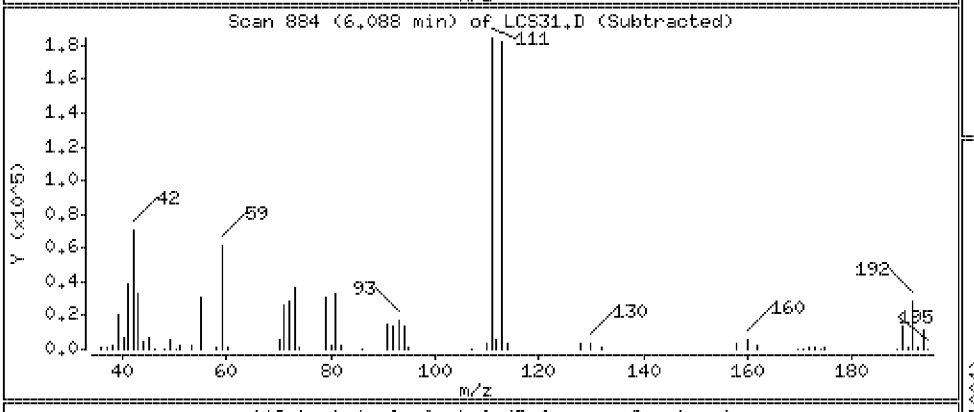
Sample Info: 121709LCSA31

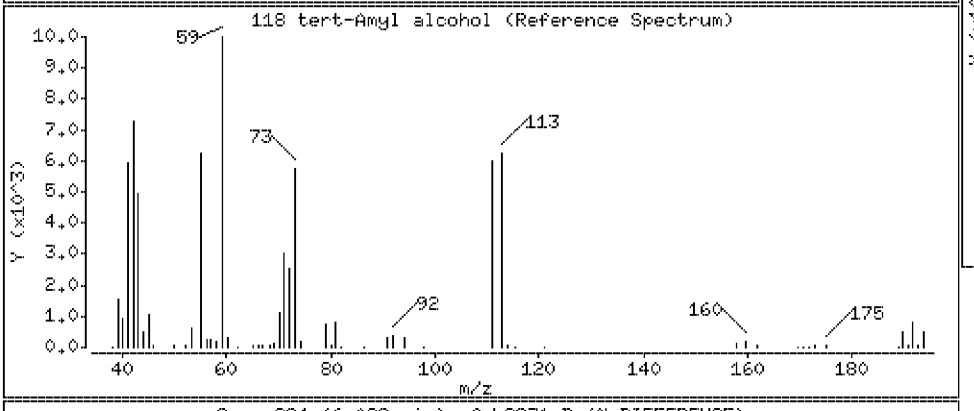
Purge Volume: 5.0 Operator:

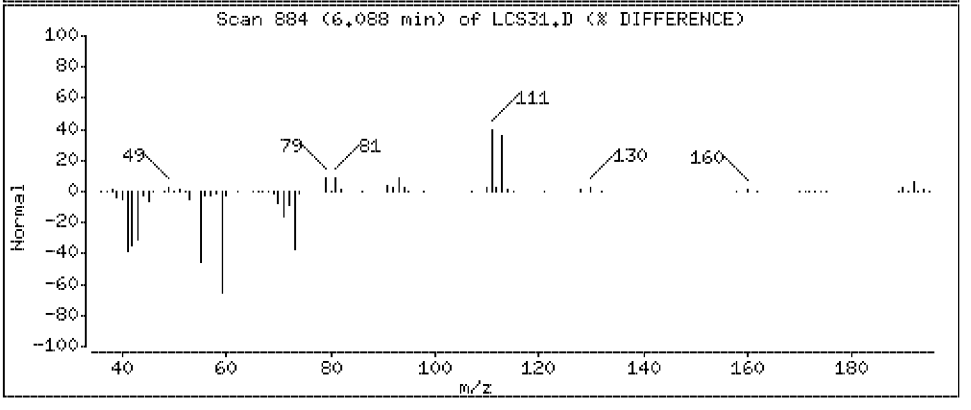
Column phase: DB-624 Column diameter: 0.18

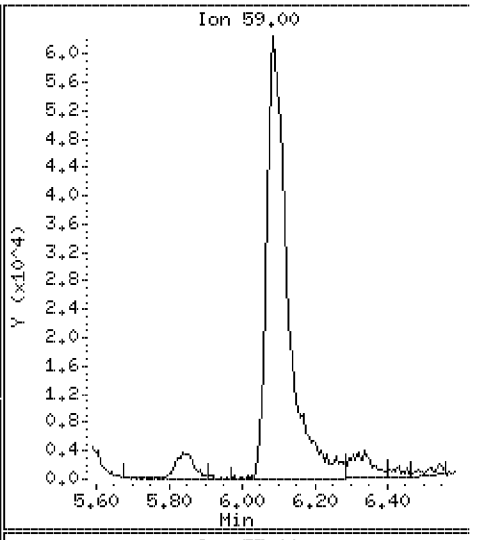
118 tert-Amyl alcohol Concentration: 501 ug/l

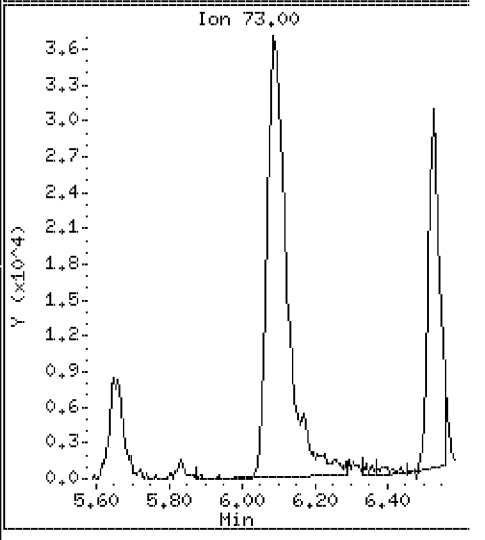












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

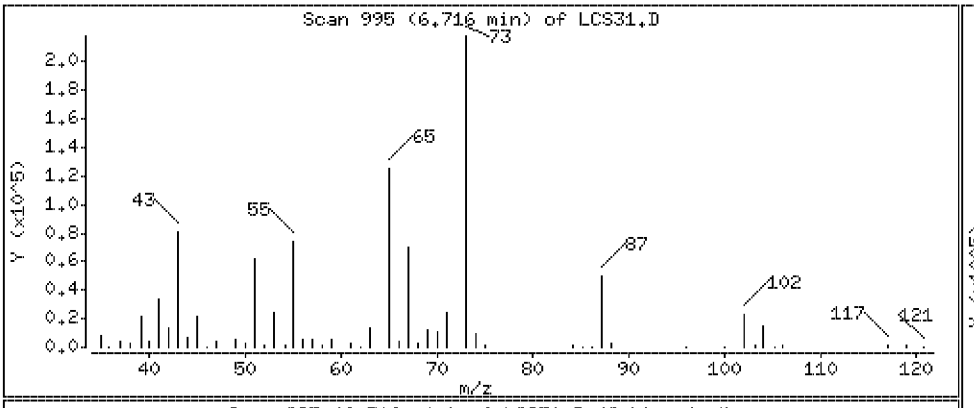
Client ID: 121709LCSA31 Instrument: vms03.i

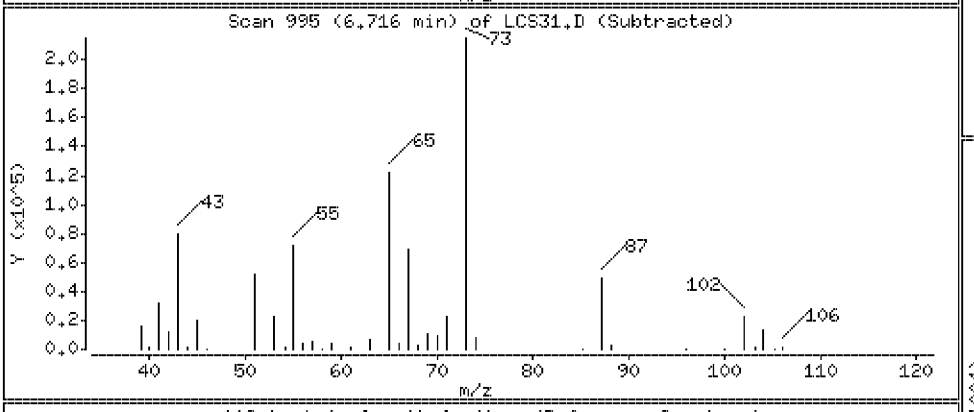
Sample Info: 121709LCSA31

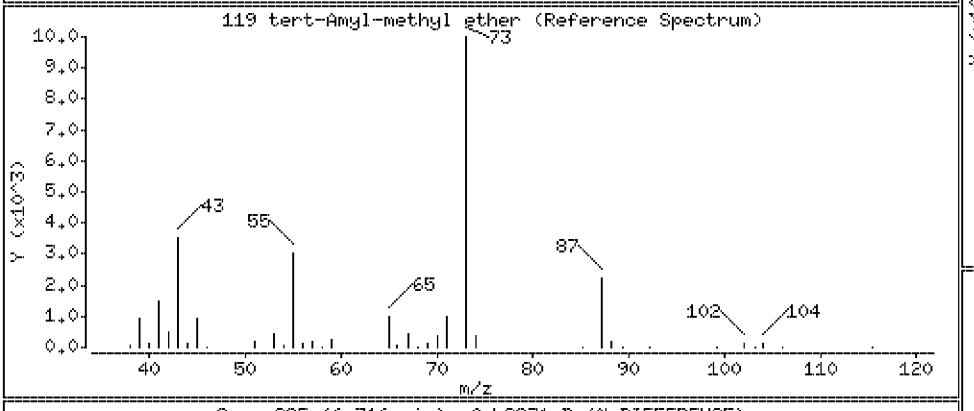
Purge Volume: 5.0 Operator:

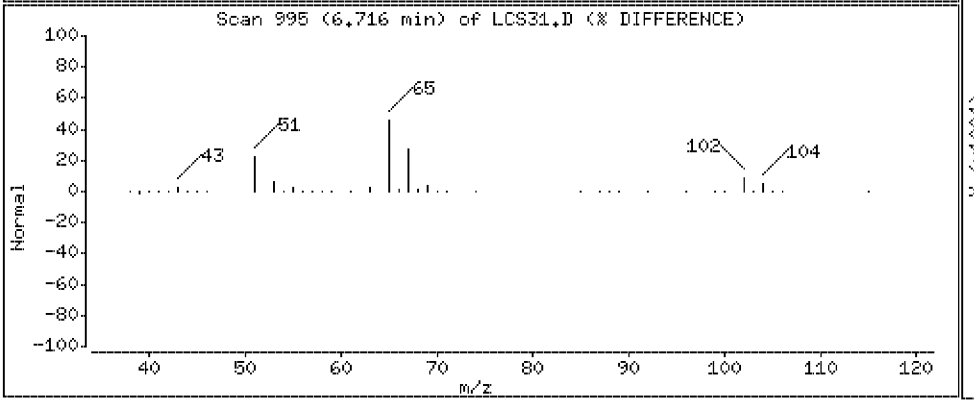
Column phase: DB-624 Column diameter: 0.18

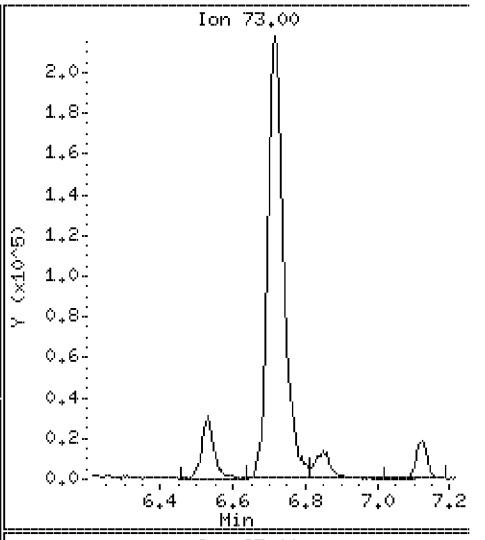
119 tert-Amyl-methyl ether Concentration: 18.0 ug/l

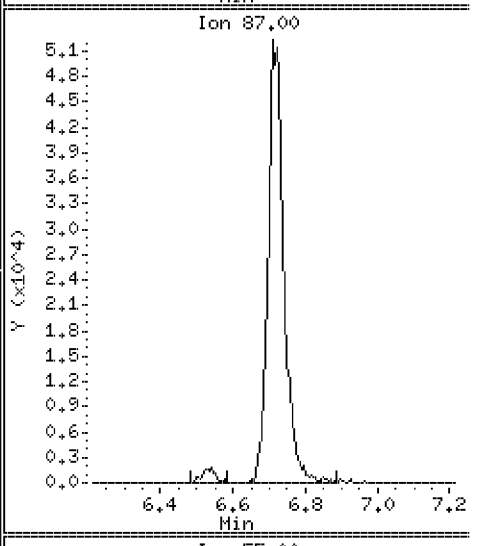


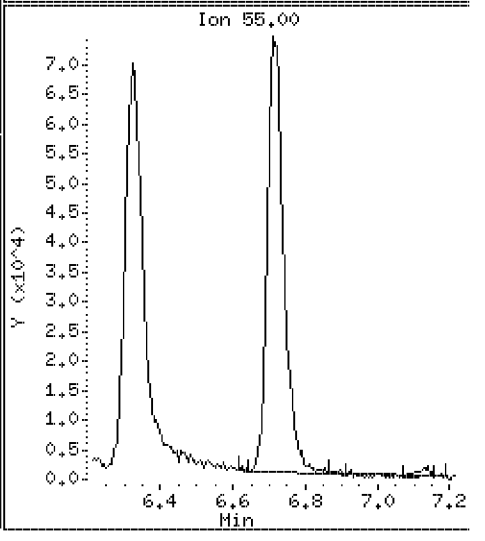












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

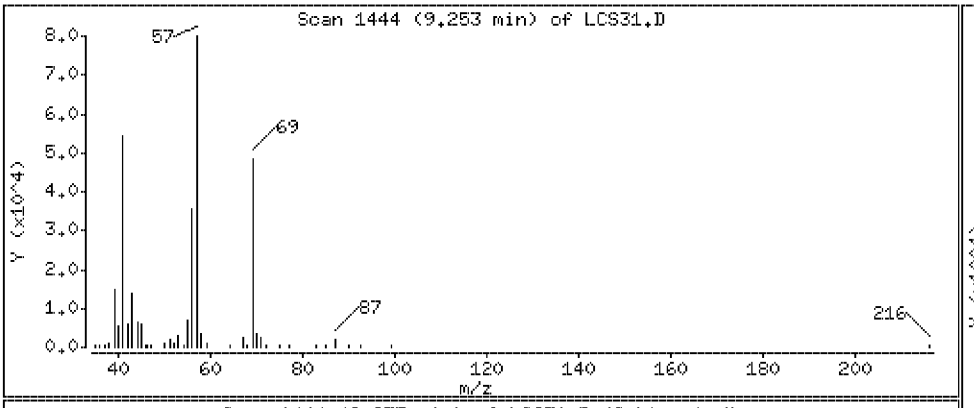
Client ID: 121709LCSA31 Instrument: vms03.i

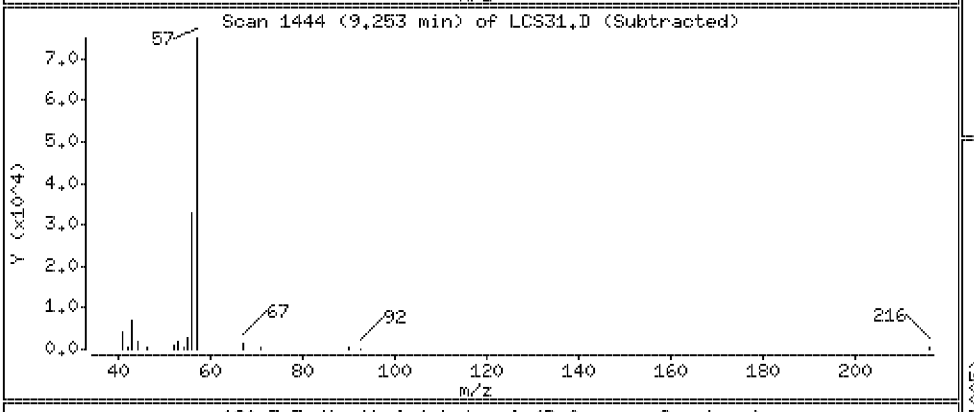
Sample Info: 121709LCSA31

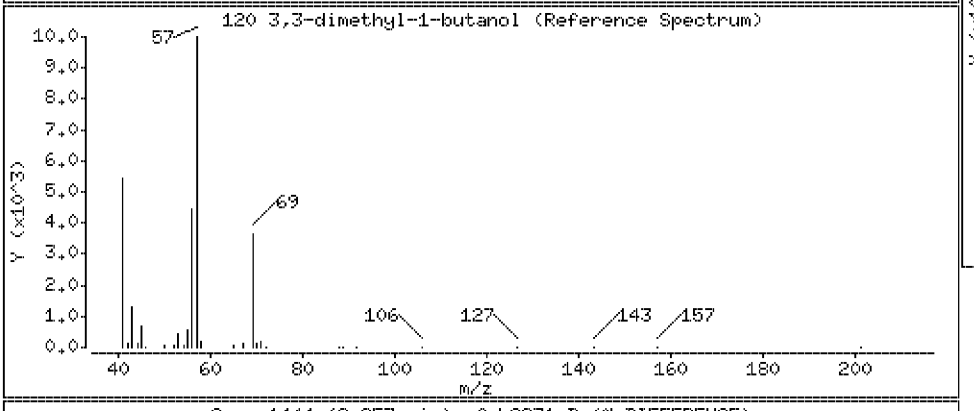
Purge Volume: 5.0 Operator:

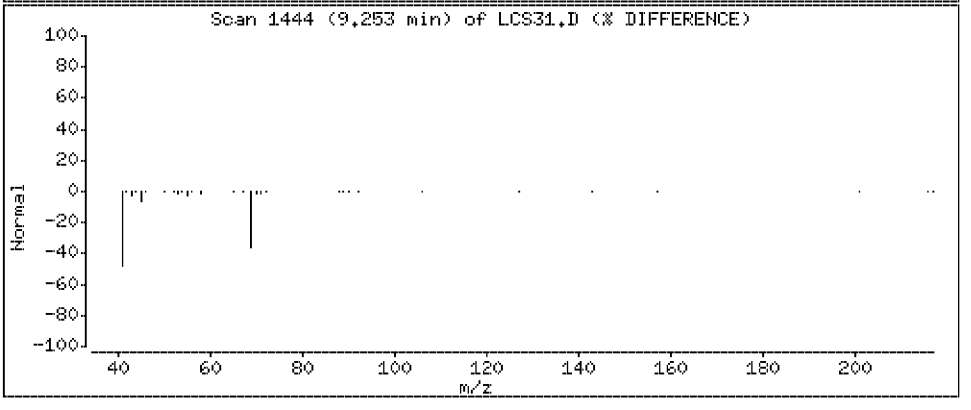
Column phase: DB-624 Column diameter: 0.18

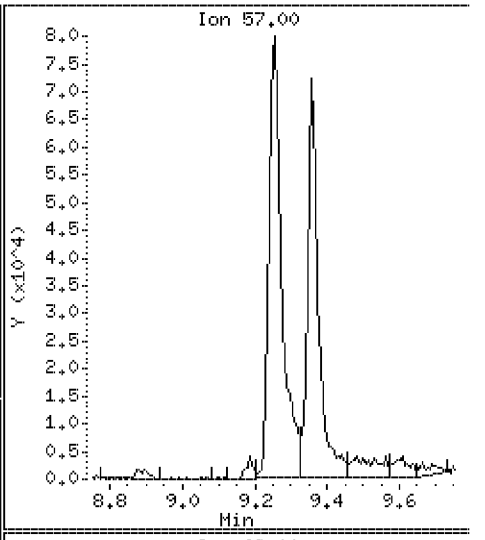
120 3,3-dimethyl-1-butanol Concentration: 504 ug/l

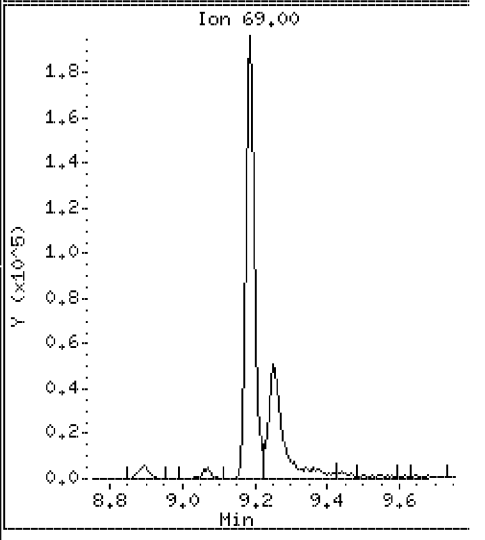












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31.D

Date : 17-DEC-2009 07:04

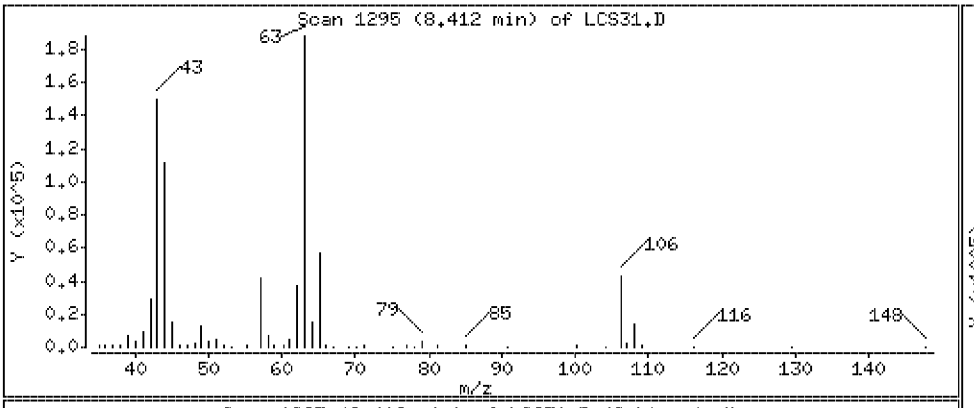
Client ID: 121709LCSA31 | Instrument: vms03.i

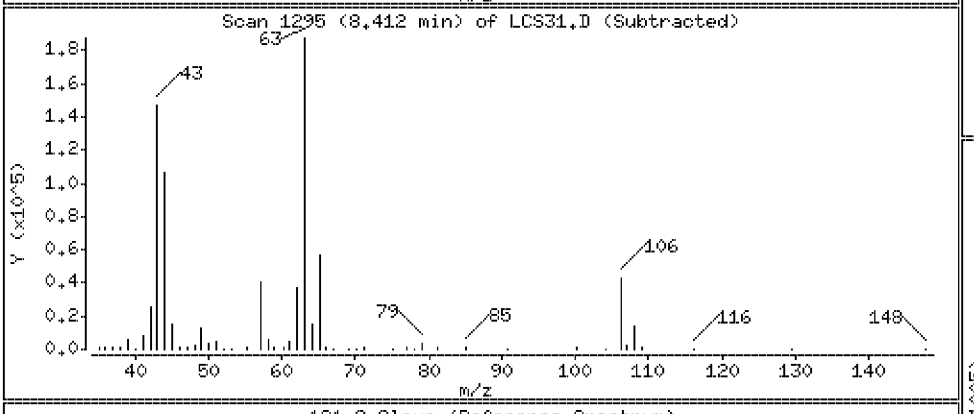
Sample Info: 121709LCSA31

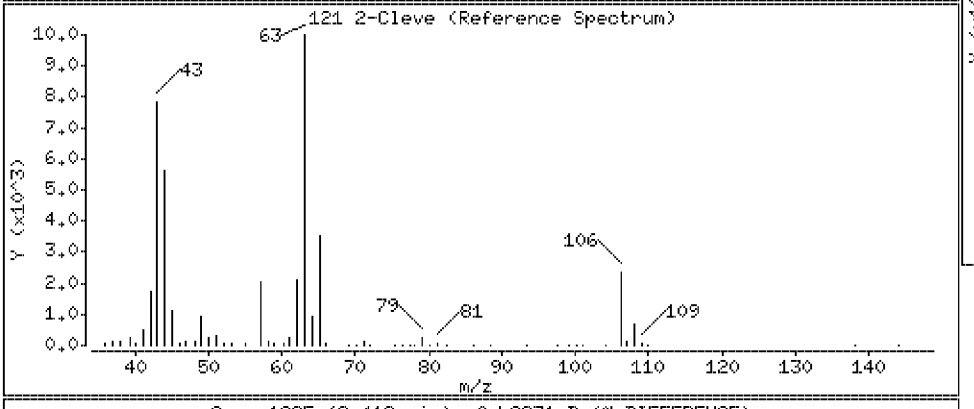
Purge Volume: 5.0 | Operator:

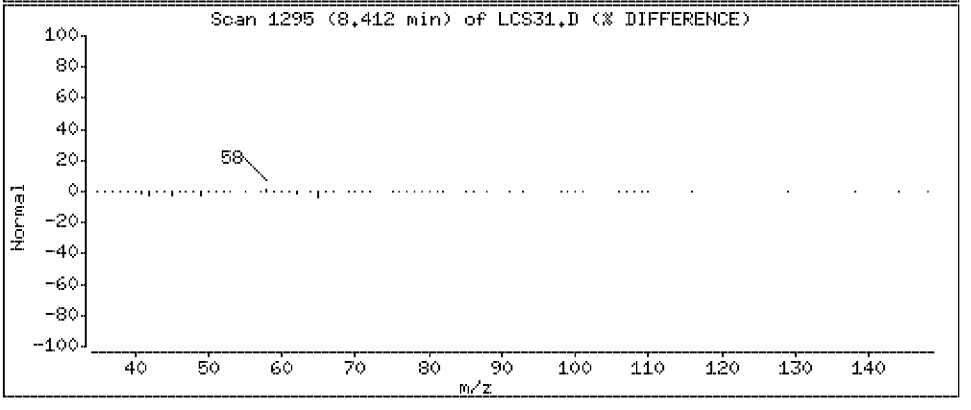
Column phase: DB-624 | Column diameter: 0.18

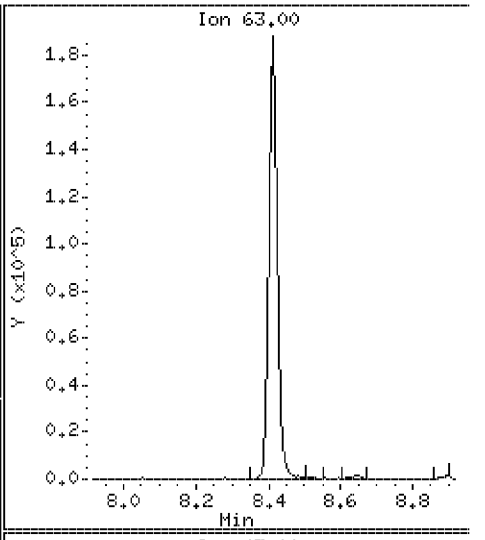
121 2-Cleve | Concentration: 45.1 ug/l

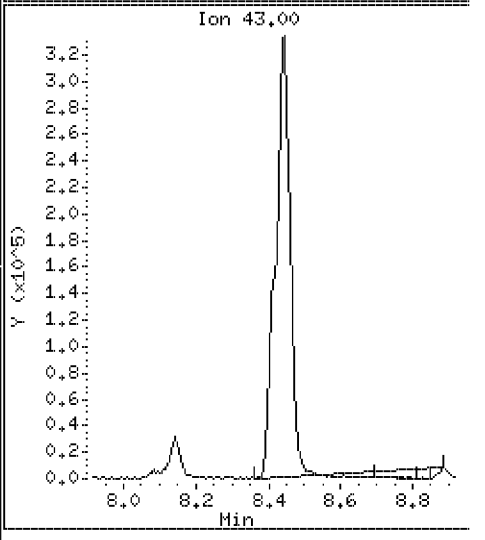












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D
Lab Smp Id: 121709LCSA31D Client Smp ID: 121709LCSA31D
Inj Date : 17-DEC-2009 07:28
Operator : Inst ID: vms03.i
Smp Info : 121709LCSA31D
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121709.b\8260A.m
Meth Date : 29-Dec-2009 10:28 lpelo Quant Type: ISTD
Cal Date : 15-DEC-2009 09:47 Cal File: 80PPB.D
Als bottle: 7 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				997397	40.2538	40.2
M 2 Xylenes (Total)	100				2527438	58.4708	58.5
M 3 Trihalomethanes (Total)	100				1367427	76.7127	76.7
4 Dichlorodifluoromethane	85	1.325	1.327	(0.186)	356320	19.5827	19.6
5 Chloromethane	50	1.523	1.520	(0.214)	270140	20.5081	20.5(M)
6 Vinyl Chloride	62	1.607	1.610	(0.226)	282559	17.6067	17.6
7 Bromomethane	96	1.992	1.994	(0.280)	156718	18.5801	18.6
8 Chloroethane	64	2.066	2.069	(0.290)	162751	17.8212	17.8
9 Trichlorofluoromethane	101	2.294	2.298	(0.322)	349315	20.4110	20.4
10 Acrolein	56	2.737	2.738	(0.384)	37338	31.3194	31.3
11 1,1,2 Trichlorotrifluoromethan	101	2.772	2.773	(0.389)	242056	20.4373	20.4
12 Acetone	43	2.814	2.813	(0.395)	325125	42.2979	42.3
13 1,1-Dichloroethene	61	2.952	2.956	(0.415)	541275	19.7457	19.7
109 t-Butyl-Alcohol	59	3.080	3.074	(0.432)	544038	257.808	258
14 Acetonitrile	41	3.422	3.424	(0.481)	637130	197.051	197
15 Iodomethane	142	3.321	3.321	(0.466)	323821	23.4527	23.4
16 Methyl Acetate	43	3.402	3.400	(0.478)	288611	18.5017	18.5
17 Allyl Chloride	41	3.422	3.424	(0.481)	637130	19.7051	19.7
18 Carbon Disulfide	76	3.550	3.553	(0.498)	1174054	21.3302	21.3
19 Methylene Chloride	49	3.579	3.581	(0.503)	639473	18.8160	18.8
20 Acrylonitrile	53	3.791	3.791	(0.532)	291145	41.1089	41.1
21 Methyl-tert-butyl ether	73	3.836	3.832	(0.539)	790954	17.5636	17.6
22 trans 1,2-Dichloroethene	61	4.021	4.024	(0.565)	607287	20.2949	20.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
23 1,1-Dichloroethane	63	4.698	4.700	(0.660)	774039	20.4242	20.4
24 Vinyl Acetate	43	4.760	4.761	(0.668)	563763	19.1155	19.1
25 Chloroprene	53	4.834	4.834	(0.679)	640748	20.7924	20.8
26 2-Butanone	43	5.381	5.377	(0.756)	449514	44.8153	44.8
27 Propionitrile	54	5.482	5.482	(0.770)	491011	223.912	224
28 2,2-Dichloropropane	77	5.528	5.529	(0.776)	278363	18.2997	18.3
29 cis-1,2-Dichloroethene	96	5.596	5.596	(0.786)	390110	19.9589	20.0
30 Methyacrylonitrile	67	5.750	5.753	(0.807)	1353820	196.861	197
31 Isobutyl Alcohol	43	5.824	5.826	(0.818)	73544	297.900	298(Q)
32 Chloroform	83	5.815	5.816	(0.816)	633909	20.2934	20.3
33 Bromochloromethane	49	6.019	6.021	(0.845)	399354	20.4787	20.5
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.103	6.104	(0.857)	747112	53.3672	53.4
35 1,1,1-Trichloroethane	97	6.327	6.329	(0.888)	406096	20.2591	20.2
36 Cyclohexane	56	6.324	6.326	(0.888)	675983	21.7925	21.8
37 1,1-Dichloropropene	75	6.529	6.532	(0.917)	493292	20.7645	20.8
38 Carbon tetrachloride	117	6.634	6.636	(0.931)	287515	19.7253	19.7
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.738	6.739	(0.946)	185205	53.6782	53.7
40 1,2-Dichloroethane	62	6.852	6.853	(0.962)	493984	19.4936	19.5
41 Benzene	78	6.848	6.850	(0.962)	1553748	19.8546	19.8
* 42 FLUOROBENZENE (IS)	96	7.122	7.124	(1.000)	3360981	50.0000	
43 Trichloroethylene	130	7.575	7.577	(1.064)	324454	20.0903	20.1
44 Methyl Cyclohexane	55	7.631	7.634	(1.071)	453070	21.1924	21.2
45 1,2-Dichloropropane	63	7.781	7.783	(1.093)	424511	19.8427	19.8
46 Methyl Methacrylate	69	7.893	7.893	(1.108)	177341	18.2426	18.2
47 Bromodichloromethane	83	8.038	8.039	(1.129)	408502	19.9198	19.9
48 1,4 Dioxane	88	8.095	8.092	(1.137)	54101	576.715	577(QR)
49 Dibromomethane	93	8.086	8.087	(1.135)	200974	19.8909	19.9
50 4-Methyl-2-Pentanone	58	8.445	8.443	(1.186)	244194	39.0370	39.0(Q)
51 2-Hexanone	43	9.360	9.360	(0.896)	559889	43.0978	43.1
52 cis 1,3-Dichloropropene	75	8.642	8.643	(1.213)	500300	19.7189	19.7
$ 53 TOLUENE d8 (surr)	98	8.885	8.886	(1.248)	2838037	53.1665	53.2
54 Toluene	92	8.967	8.969	(1.259)	894620	20.3759	20.4
55 trans 1,3-Dichloropropene	75	9.176	9.178	(1.288)	378408	18.9540	19.0
56 Ethyl Methacrylate	69	9.187	9.188	(1.290)	319279	18.4717	18.5
57 1,1,2-Trichloroethane	97	9.331	9.333	(1.310)	273696	19.5569	19.6
58 1,3-Dichloropropane	76	9.593	9.594	(0.919)	508722	18.7081	18.7
59 Tetrachloroethylene	164	9.640	9.642	(0.923)	218527	20.0519	20.0
60 Dibromochloromethane	129	9.848	9.849	(0.943)	221256	19.4744	19.5
61 1,2-Dibromoethane	107	10.051	10.052	(0.963)	254585	19.3685	19.4
62 1-Chlorohexane	91	10.237	10.239	(0.980)	423754	21.2584	21.2
* 63 CHLOROBENZENE d5 (IS)	117	10.441	10.443	(1.000)	2401544	50.0000	
64 Chlorobenzene	112	10.480	10.481	(1.004)	857596	19.6762	19.7
65 1,1,1,2-Tetrachloroethane	131	10.528	10.530	(1.008)	222536	19.1826	19.2
66 Ethylbenzene	106	10.539	10.540	(1.009)	485623	20.2862	20.3
67 p,m-Xylene	106	10.616	10.619	(1.017)	1205118	38.6080	38.6
68 o-Xylene	91	11.055	11.057	(1.059)	1322320	19.8627	19.9
69 Styrene	104	11.092	11.094	(1.062)	924655	20.4843	20.5
70 Bromoform	173	11.425	11.427	(1.094)	103760	17.0252	17.0
71 1-Methylethylbenzene	105	11.420	11.421	(0.888)	1402313	19.9105	19.9
72 1,4-Dichloro-2-Butene	53	11.474	11.476	(0.892)	76657	30.9698	31.0(q)
73 1,1,2,2-Tetrachloroethane	83	11.596	11.598	(0.902)	338653	18.2185	18.2
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.670	11.671	(0.908)	1096455	51.3576	51.4
75 1,2,3- trichloropropane	110	11.744	11.745	(0.913)	94496	19.3124	19.3
76 n-Propylbenzene	91	11.823	11.824	(0.920)	1751915	20.4730	20.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	11.857	11.859	(0.922)	764190	19.3221	19.3
78 1,3,5-Trimethylbenzene	105	11.982	11.984	(0.932)	1231688	20.5301	20.5
79 2-Chlorotoluene	91	11.996	11.998	(0.933)	1249595	19.8148	19.8
80 4-Chlorotoluene	91	12.045	12.046	(0.937)	1206846	19.6950	19.7
81 tert-Butylbenzene	119	12.338	12.340	(0.960)	1026157	20.9386	20.9
82 1,2,4-trimethylbenzene	105	12.375	12.377	(0.963)	1279896	20.1747	20.2
83 sec-Butylbenzene	105	12.551	12.554	(0.976)	1327581	20.4997	20.5
84 p-Isopropyltoluene	119	12.691	12.693	(0.987)	1068980	20.7803	20.8
85 1,3-Dichlorobenzene	146	12.780	12.782	(0.994)	630538	19.5507	19.6
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.857	12.858	(1.000)	1220311	50.0000	
87 1,4-Dichlorobenzene	146	12.888	12.890	(1.002)	628645	19.3047	19.3
88 Benzyl Chloride	91	13.008	13.009	(1.012)	292402	15.5741	15.6
89 n-Butylbenzene	91	13.102	13.104	(1.019)	1015391	21.7446	21.7
90 1,2-Dichlorobenzene	146	13.258	13.259	(1.031)	575624	19.3745	19.4
91 1,2-dibromo-3-chloropropane	75	14.044	14.045	(1.092)	43584	18.7554	18.8
92 1,2,4-Trichlorobenzene	180	14.765	14.771	(1.148)	289252	20.3793	20.4
93 Hexachlorobutadiene	223	14.871	14.877	(1.157)	67394	21.0046	21.0
94 Naphthalene	128	14.954	14.961	(1.163)	713478	20.9953	21.0
95 1,2,3-trichlorobenzene	180	15.129	15.138	(1.177)	237145	20.1713	20.2
103 Isopropyl Ether	45	4.590	4.589	(0.644)	1582447	19.2415	19.2
104 Ethyl acetate	43	5.653	5.651	(0.794)	563779	39.9432	39.9(Q)
105 Cyclohexanone	55	11.478	11.478	(1.099)	539211	243.237	243
106 Ethyl ether	59	2.594	2.594	(0.364)	289692	18.9011	18.9
107 2-Nitropropane	43	8.141	8.143	(1.143)	61660	33.3499	33.3(q)
108 Tetrahydrofuran	42	6.089	6.084	(0.855)	217799	42.8637	42.9
110 Chlorotrifluoroethylene	116	1.294	1.296	(0.182)	79403	21.8491	21.8
111 Isobutene	41	1.548	1.549	(0.217)	304264	409.859	410(A)
112 Ethanol	45	2.132	2.137	(0.299)	162878	1926.74	1930
113 2-chloro-1,1,1-trifluoroethan	118	1.611	1.615	(0.226)	236260	17.7072	17.7
114 Bromoethane	108	3.227	3.229	(0.453)	173698	20.7918	20.8
115 n-Hexane	57	4.146	4.150	(0.582)	519448	22.2588	22.2(q)
116 tert-Butyl ethyl ether	59	5.214	5.211	(0.732)	802320	16.7211	16.7
117 t-butyl formate	59	5.841	5.838	(0.820)	12676	225.410	225(QR)
118 tert-Amyl alcohol	59	6.089	6.088	(0.855)	228630	470.117	470
119 tert-Amyl-methyl ether	73	6.714	6.715	(0.943)	641202	16.9820	17.0
120 3,3-dimethyl-1-butanol	57	9.252	9.253	(1.299)	195024	486.678	487
121 2-Cleve	63	8.411	8.414	(1.181)	290710	40.6800	40.7(Q)

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.
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: LCS31D.D
Lab Smp Id: 121709LCSA31D
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121709.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 121709LCSA31D
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3360981	3.79
63 CHLOROBENZENE d5	2294514	1147257	4589028	2401544	4.66
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1220311	7.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.01
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	-0.00
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	-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\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

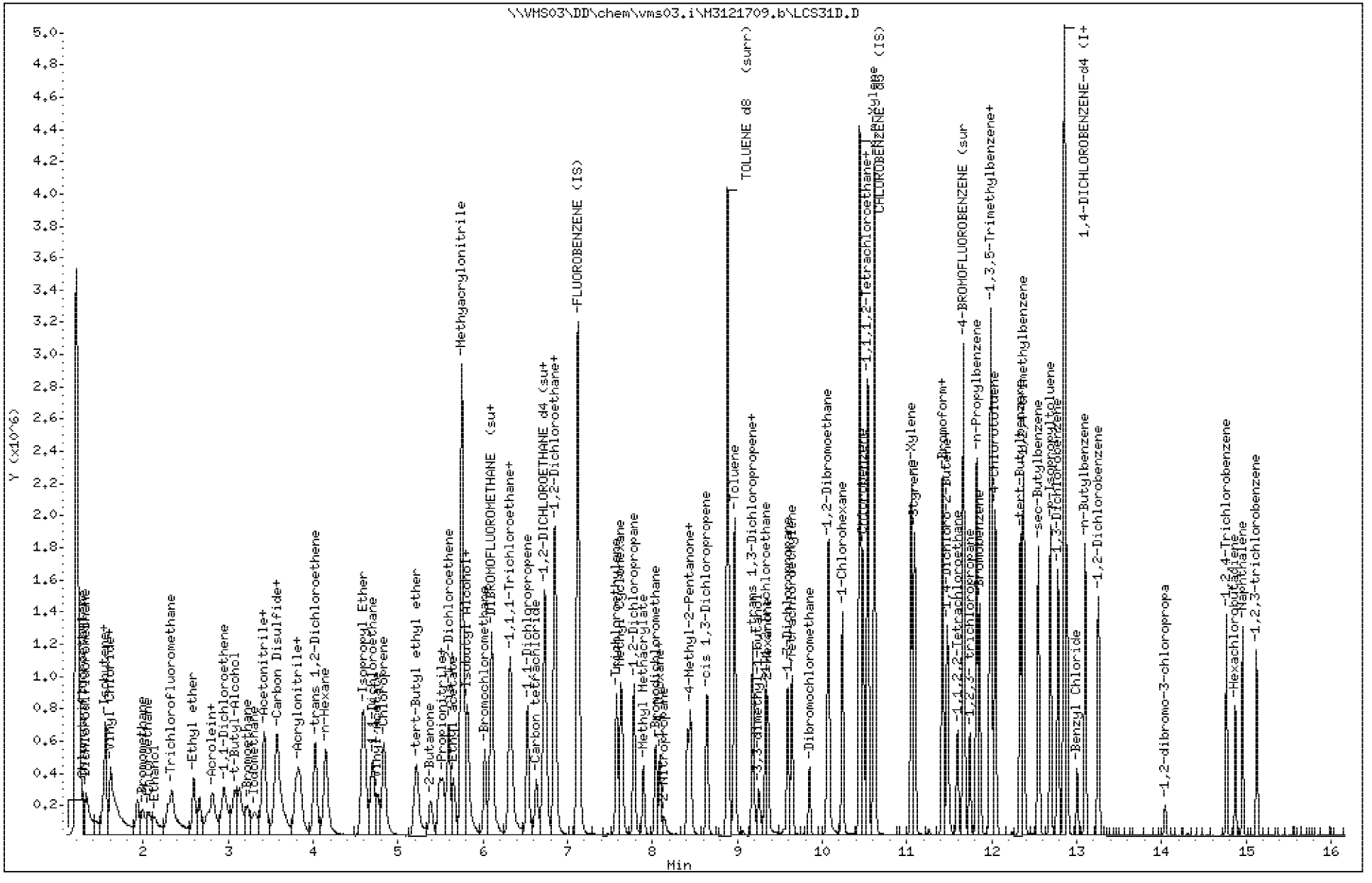
Sample Info: 121709LCSA31D

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

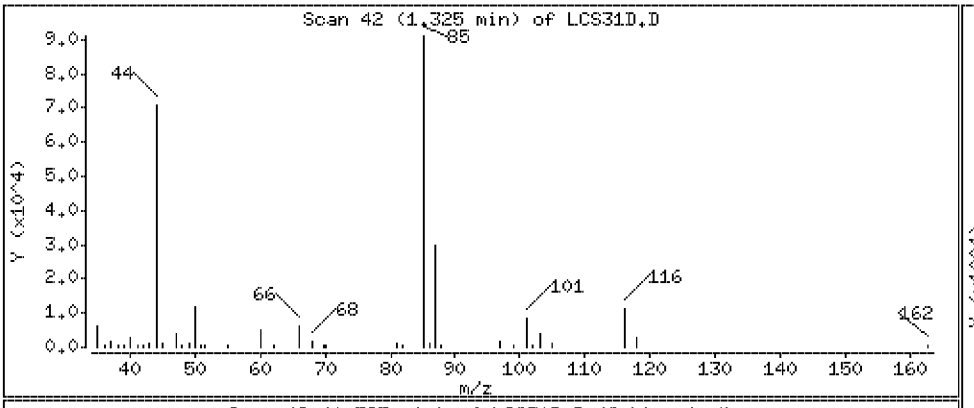
Operator:

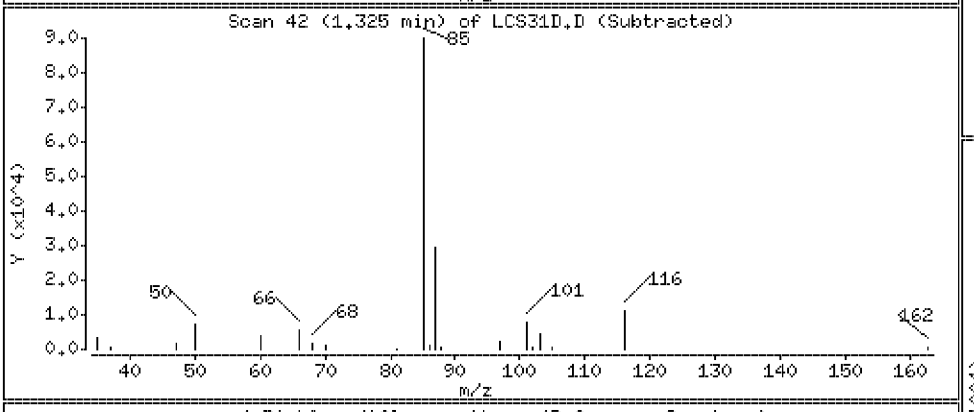
Column phase: DB-624

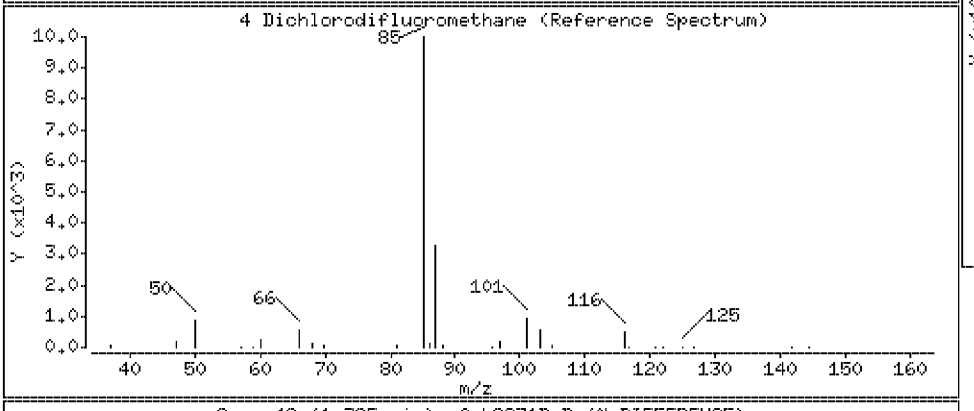
Column diameter: 0.18

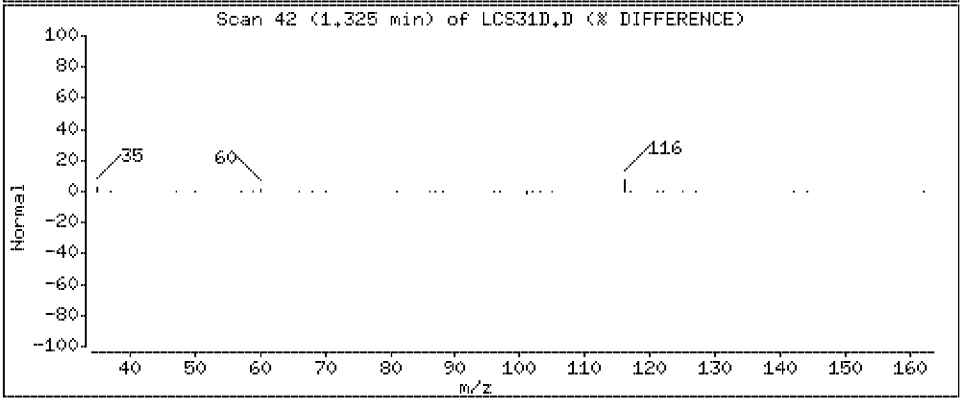
4 Dichlorodifluoromethane

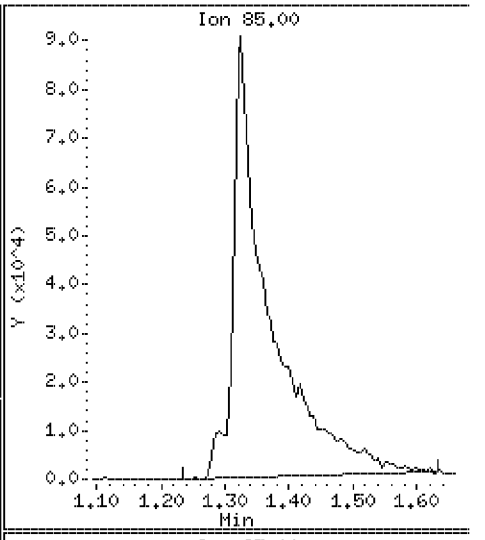
Concentration: 19.6 ug/l

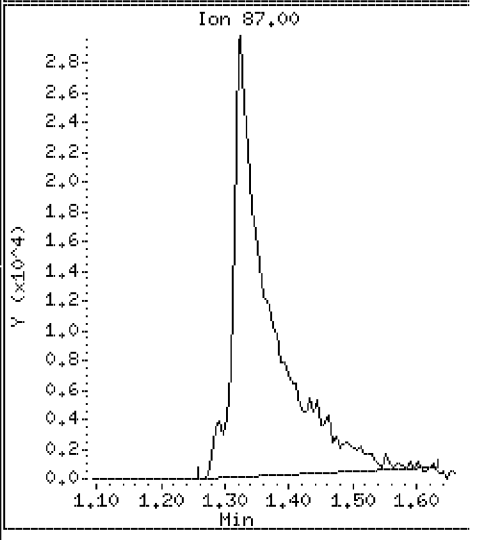












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

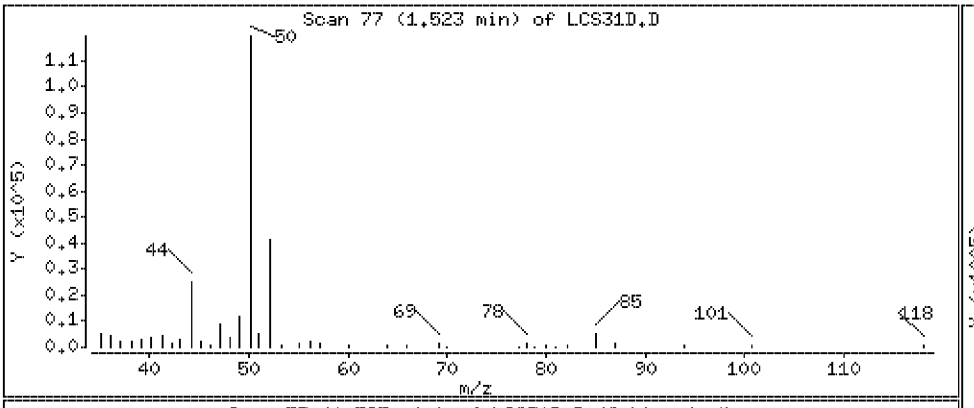
Operator:

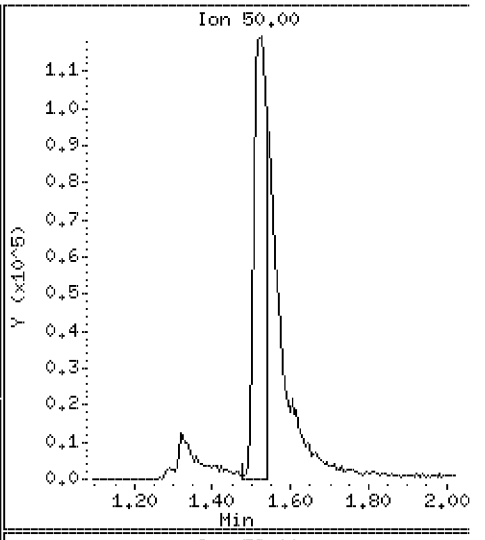
Column phase: DB-624

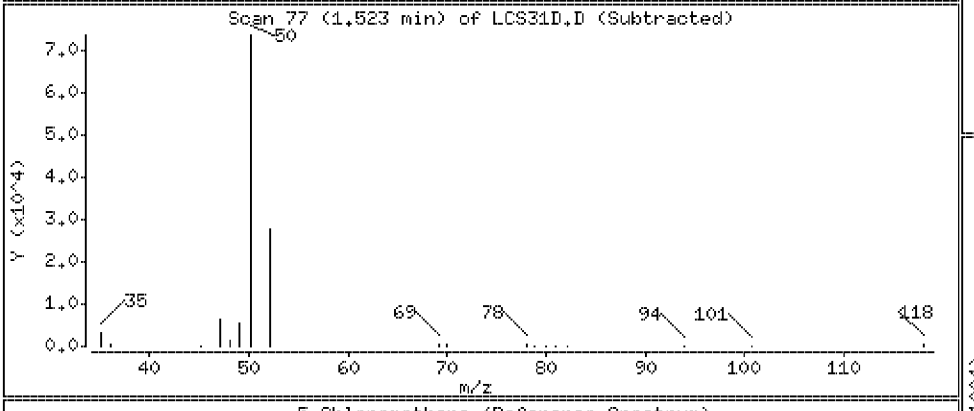
Column diameter: 0.18

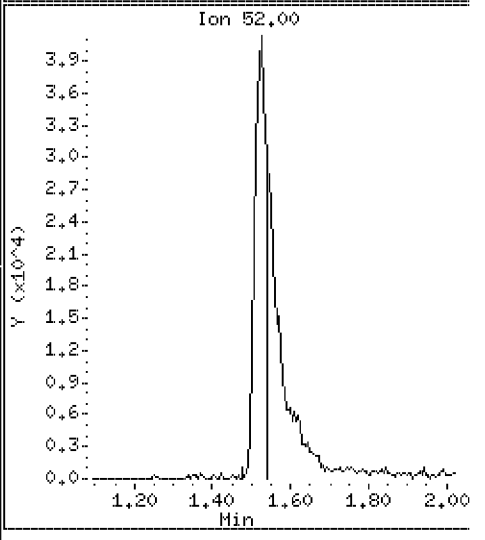
5 Chloromethane

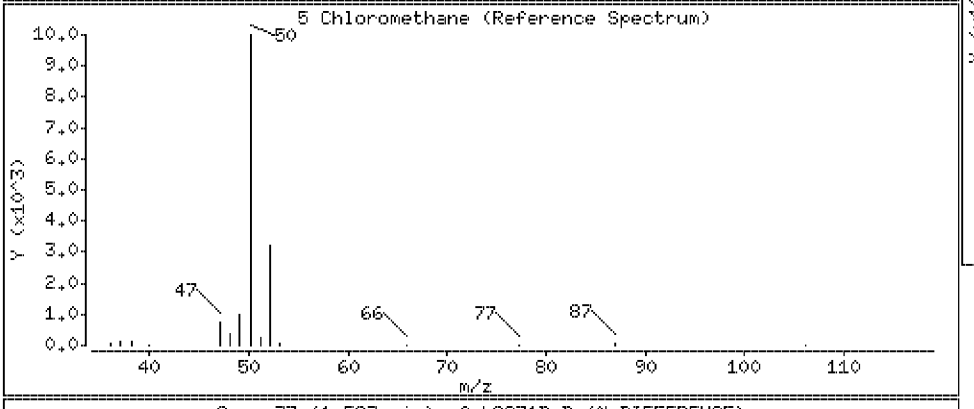
Concentration: 20.5 ug/l

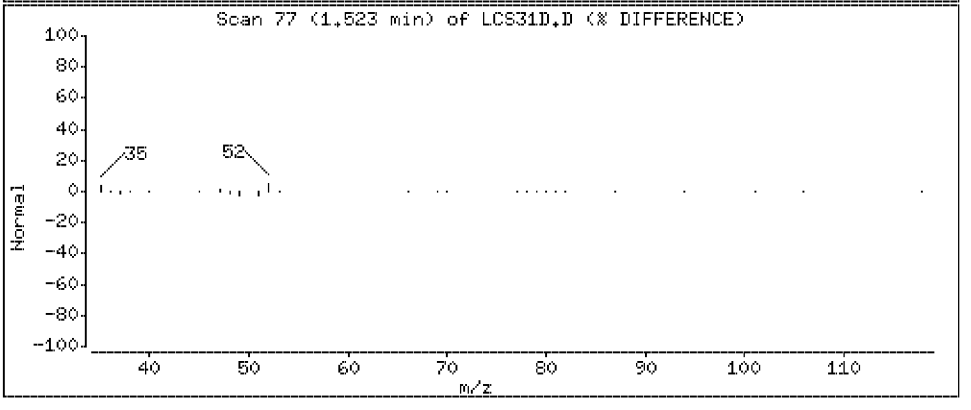












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

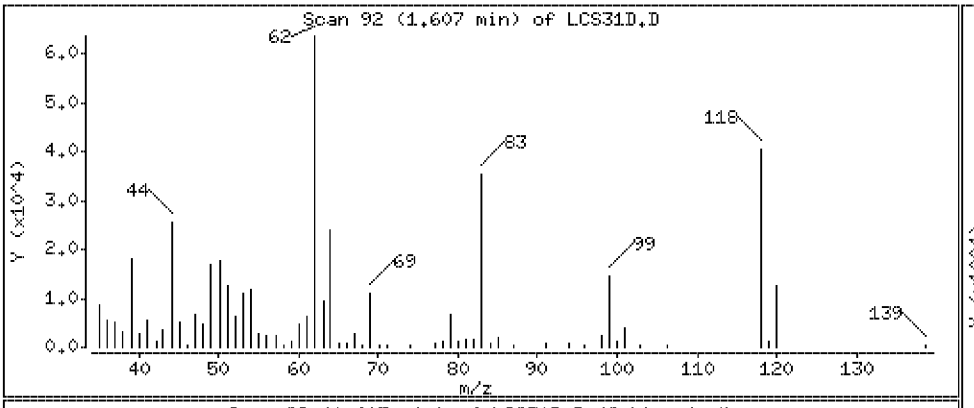
Operator:

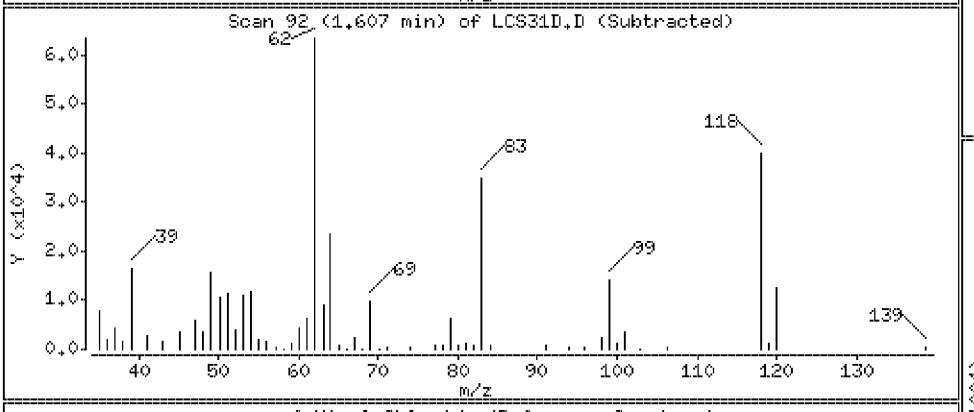
Column phase: DB-624

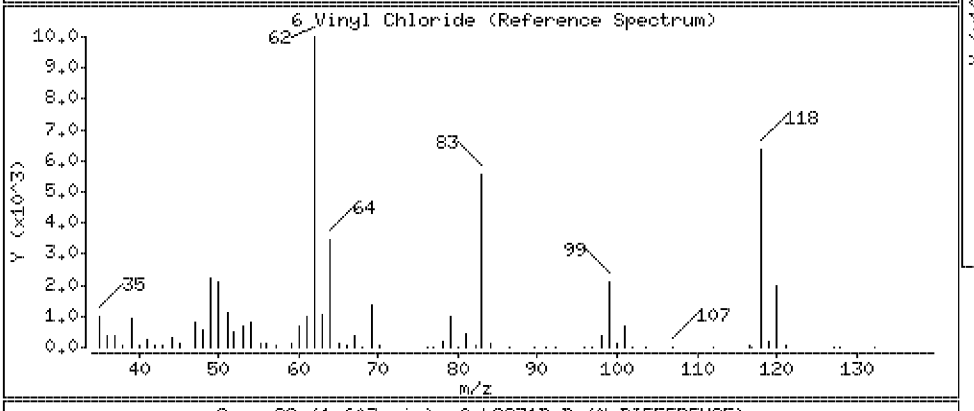
Column diameter: 0.18

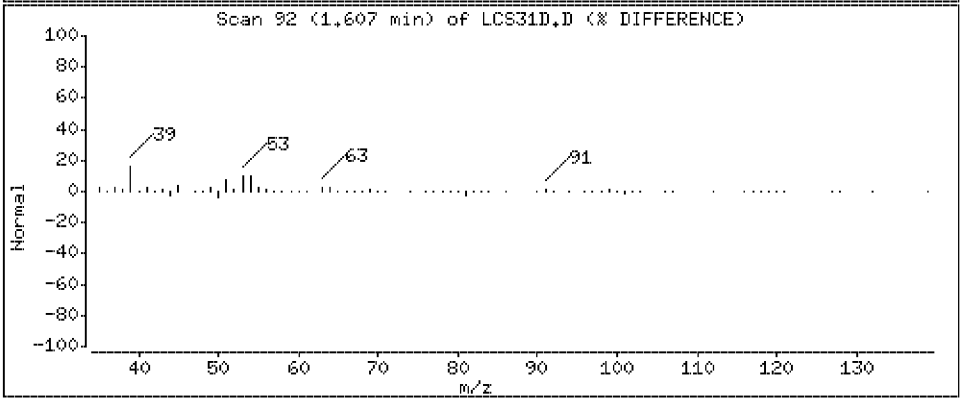
6 Vinyl Chloride

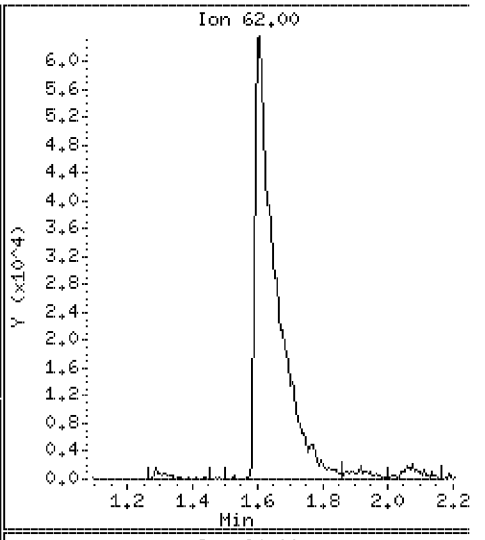
Concentration: 17.6 ug/l

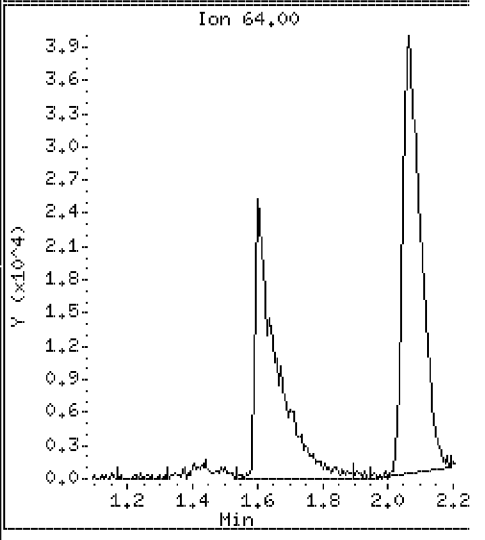












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

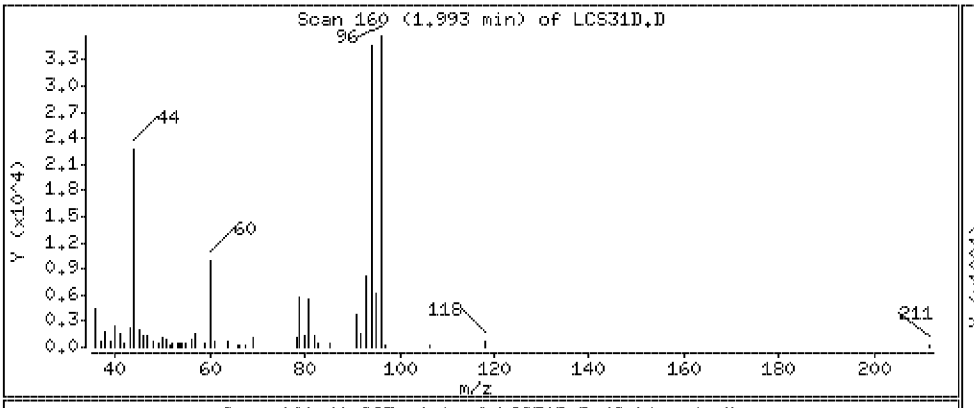
Operator:

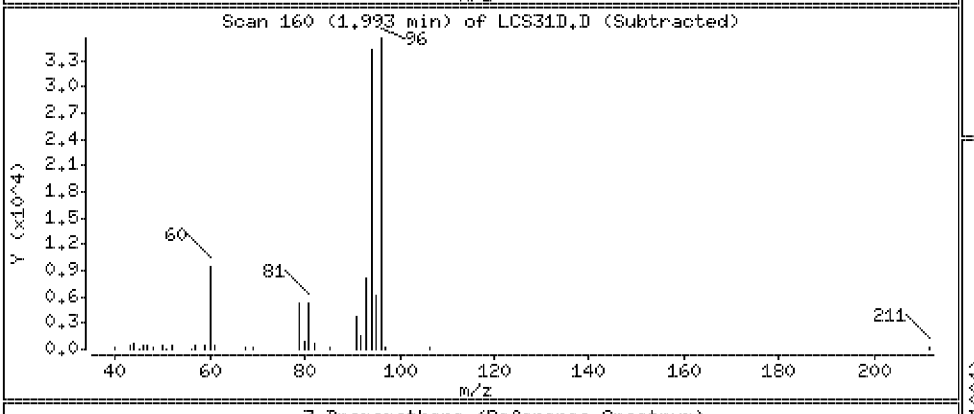
Column phase: DB-624

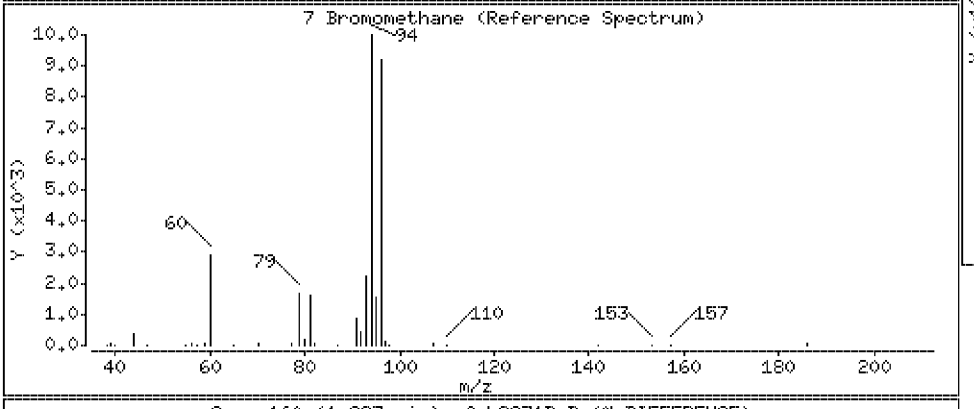
Column diameter: 0.18

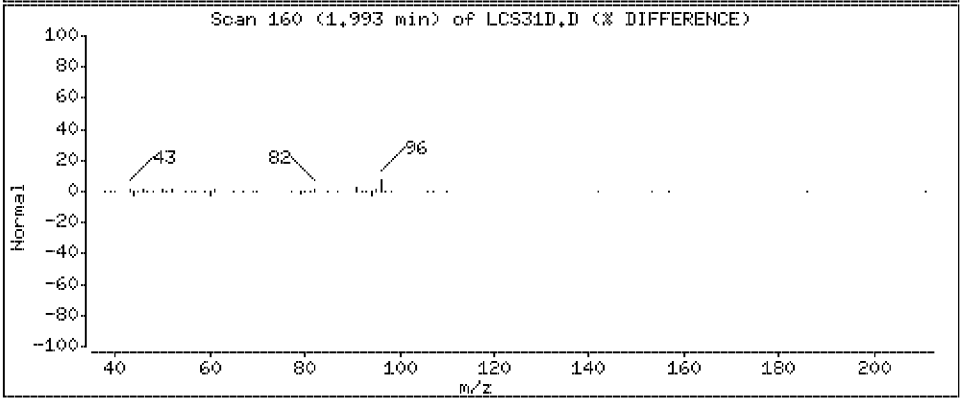
7 Bromomethane

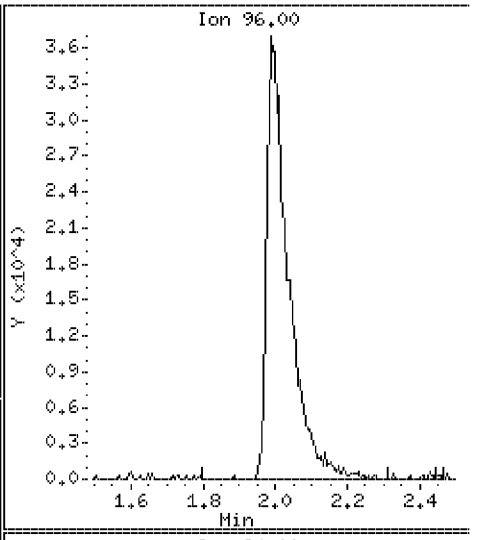
Concentration: 18.6 ug/l

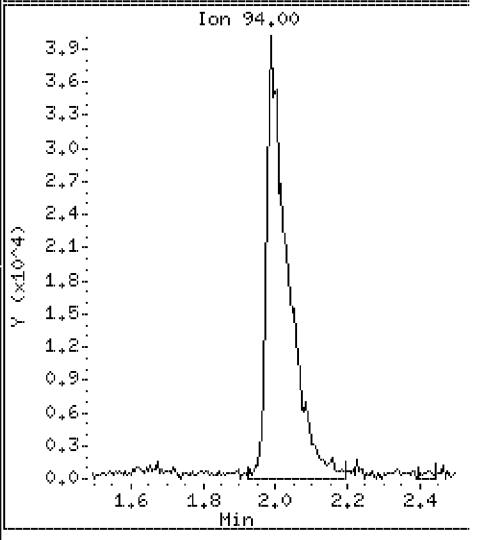












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

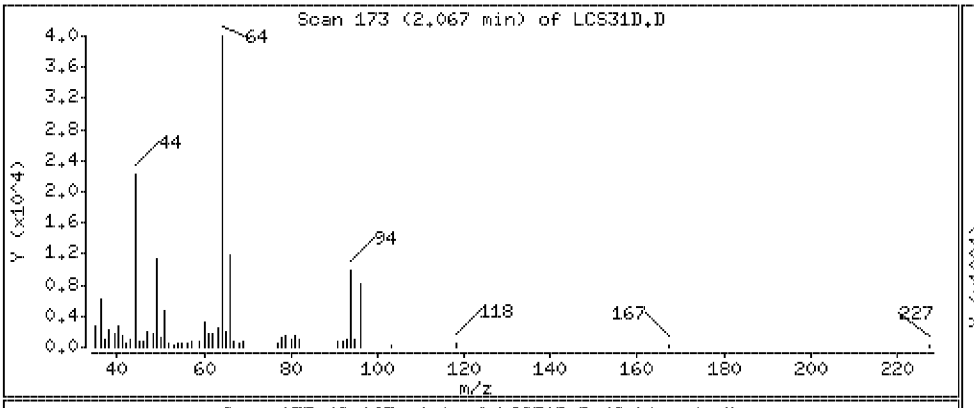
Operator:

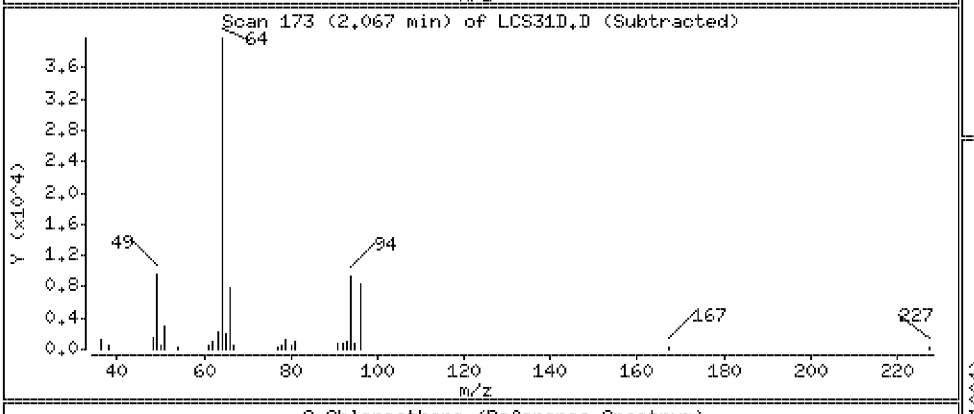
Column phase: DB-624

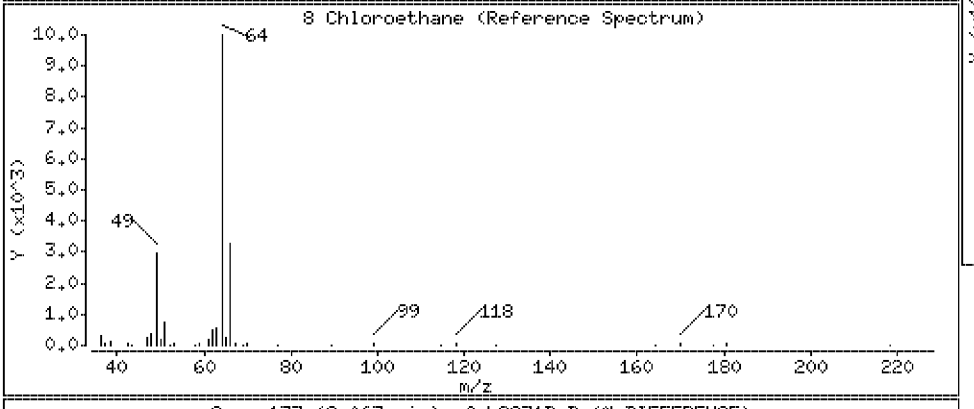
Column diameter: 0.18

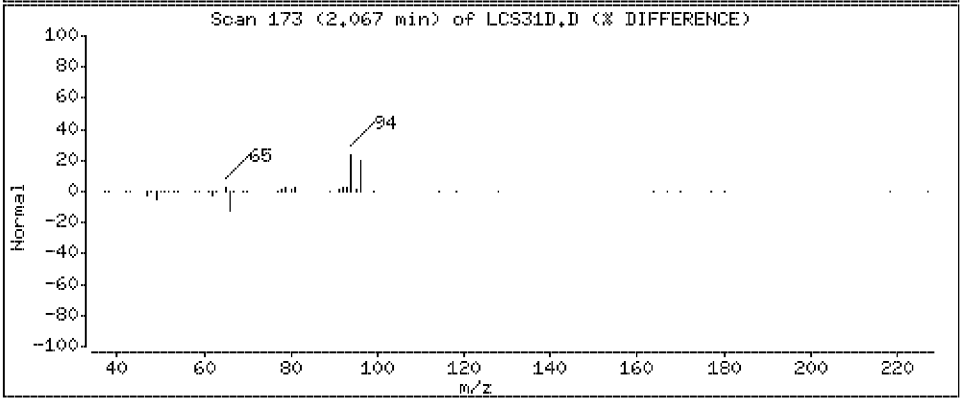
8 Chloroethane

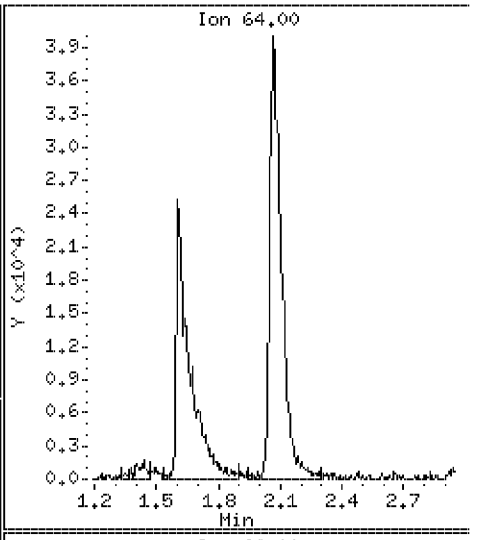
Concentration: 17.8 ug/l

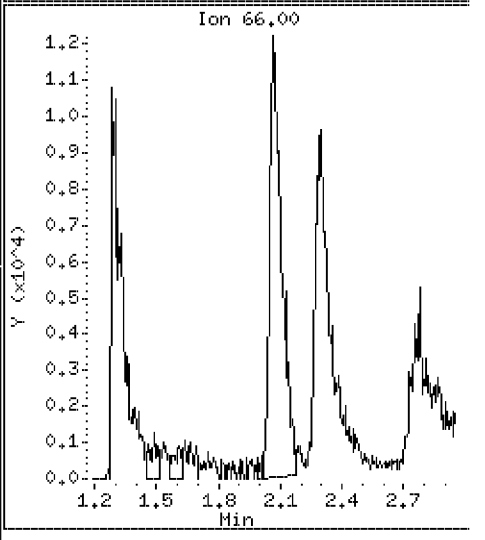












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

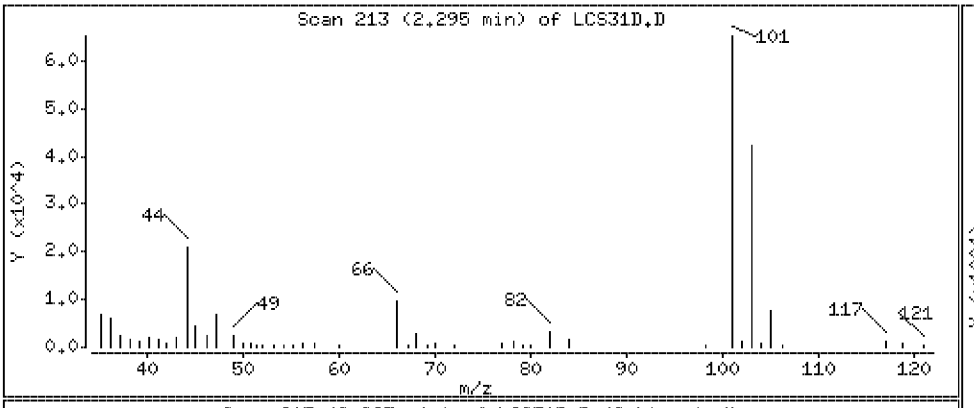
Operator:

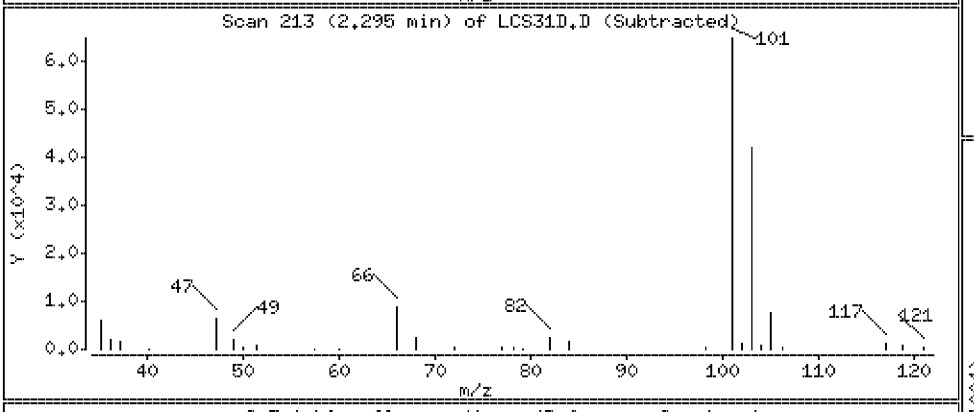
Column phase: DB-624

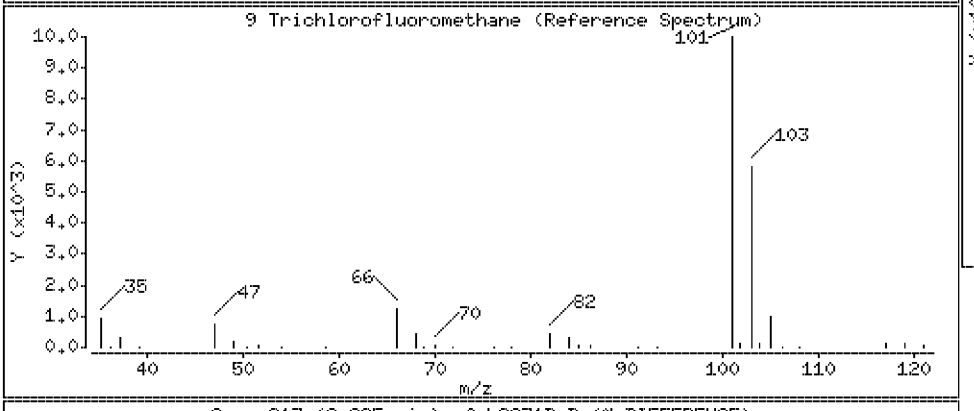
Column diameter: 0.18

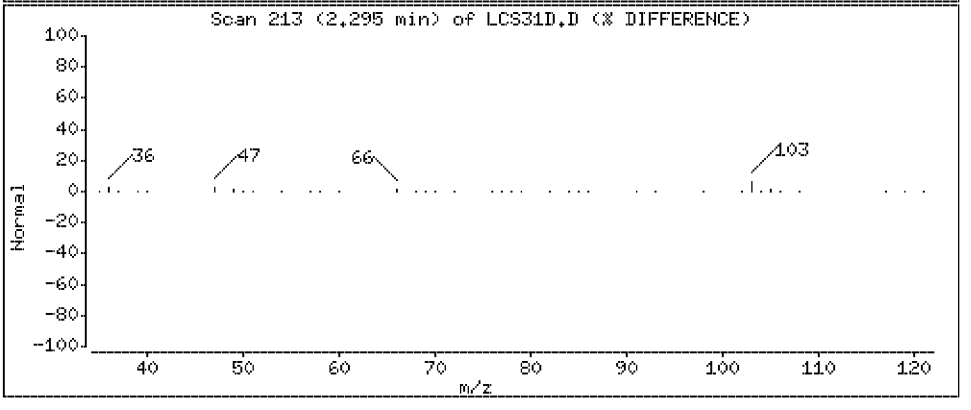
9 Trichlorofluoromethane

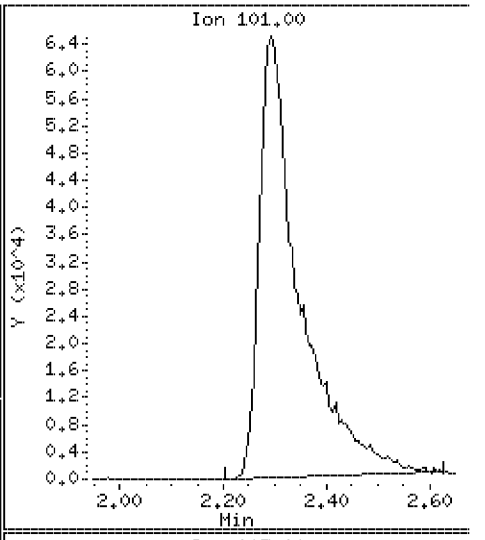
Concentration: 20.4 ug/l

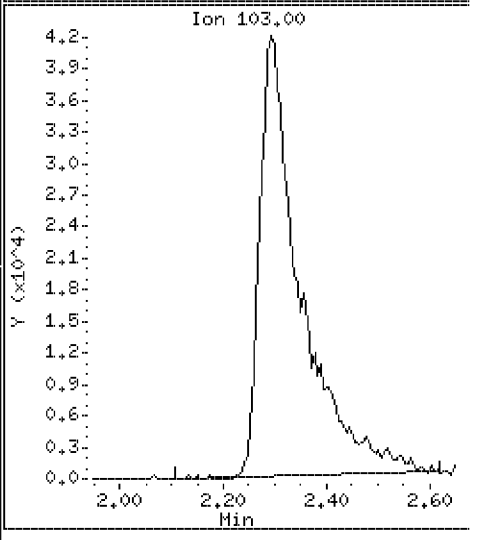












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Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

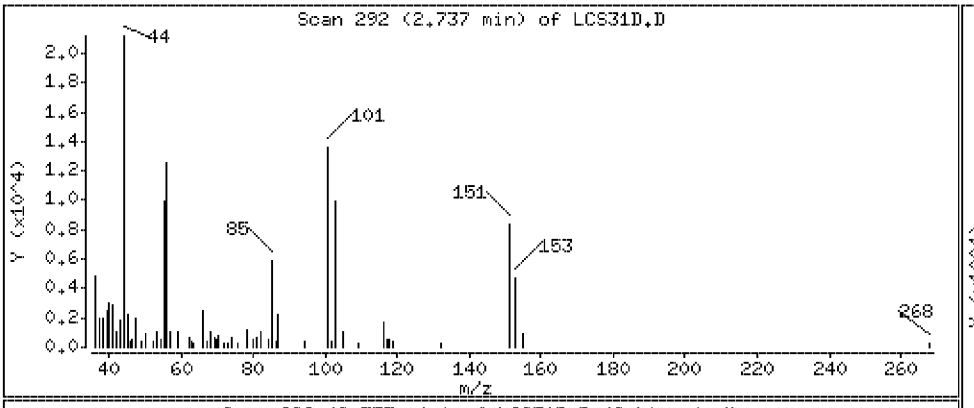
Operator:

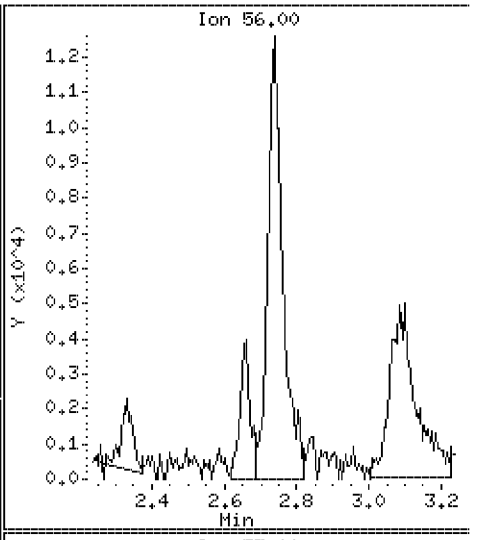
Column phase: DB-624

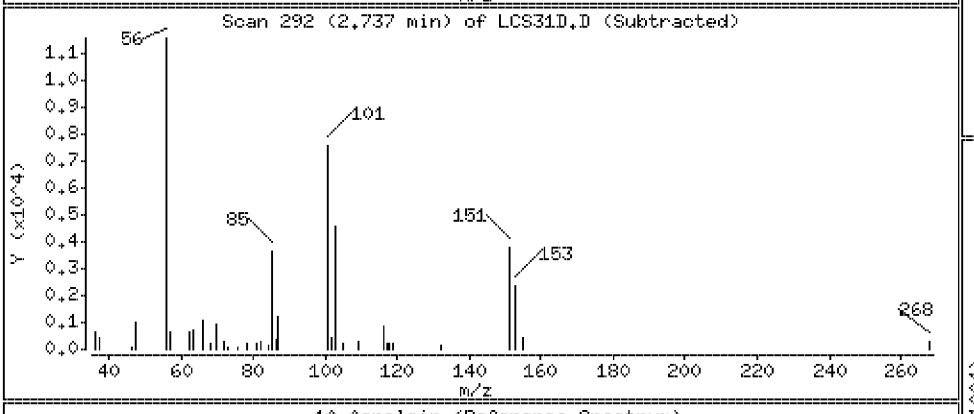
Column diameter: 0.18

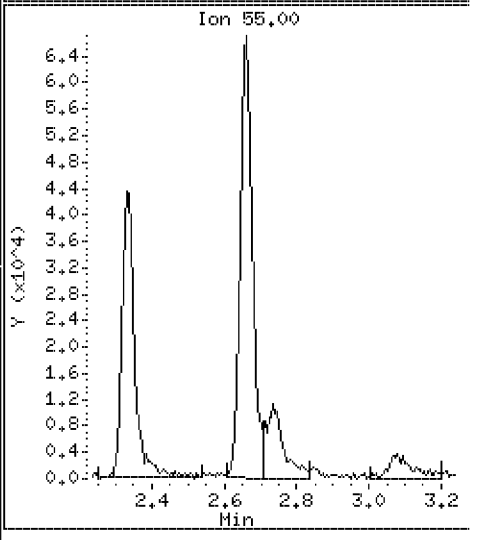
10 Acrolein

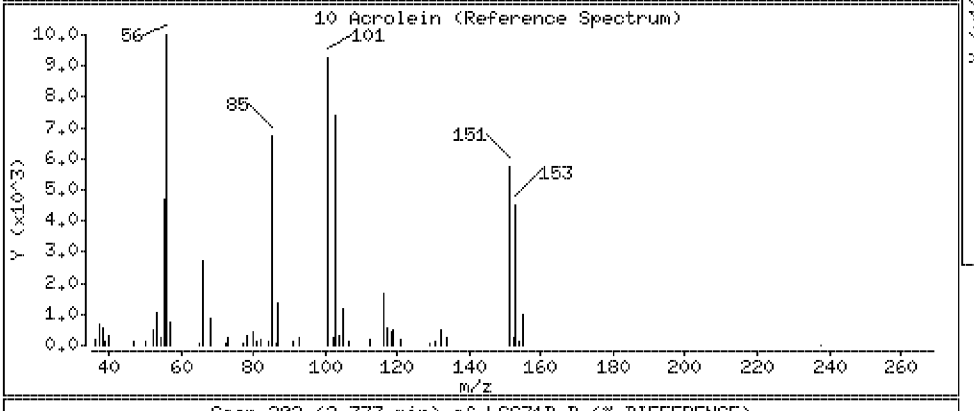
Concentration: 31.3 ug/l

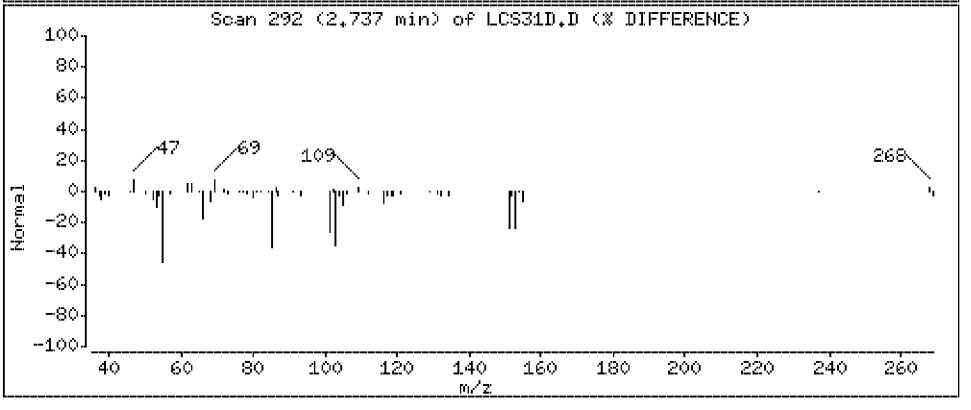












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

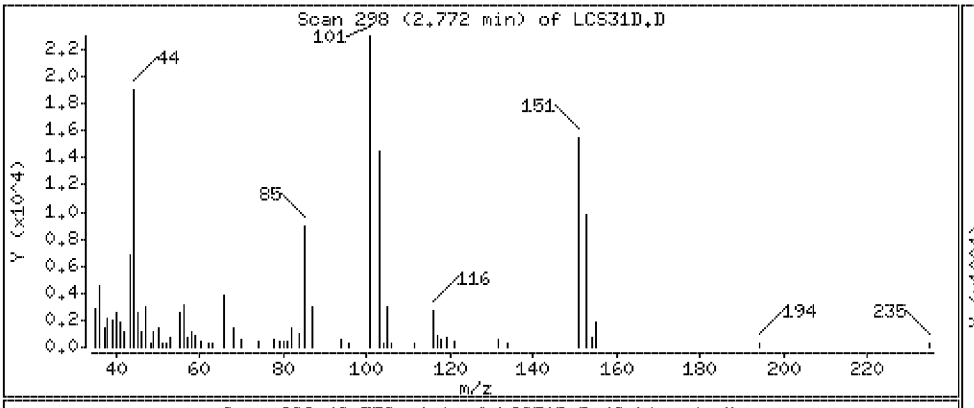
Operator:

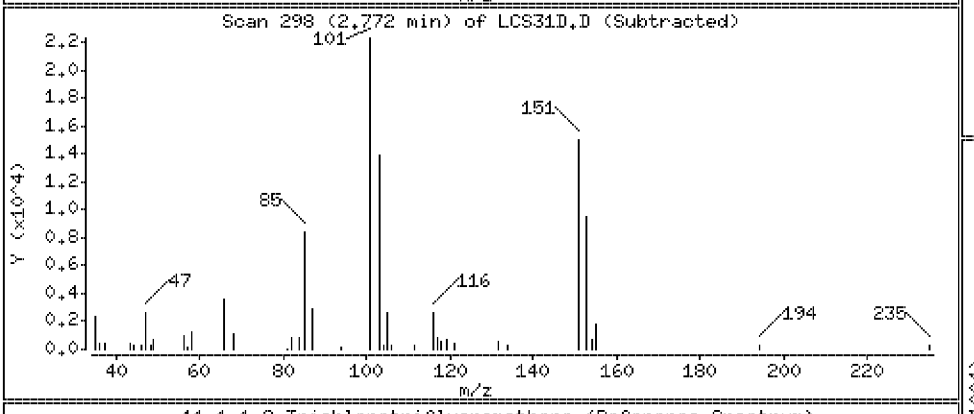
Column phase: DB-624

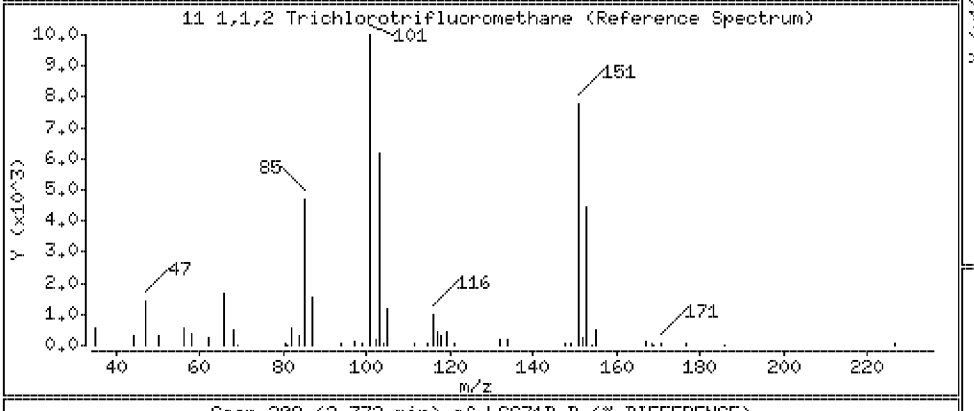
Column diameter: 0.18

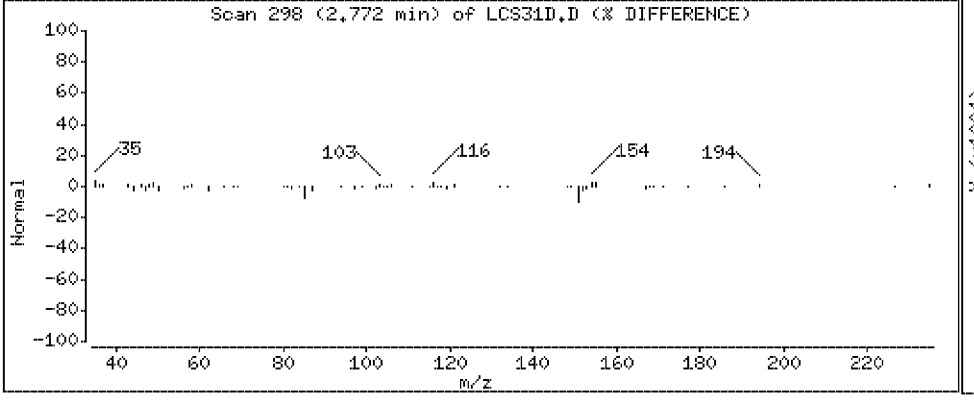
11 1,1,2 Trichlorotrifluoromethane

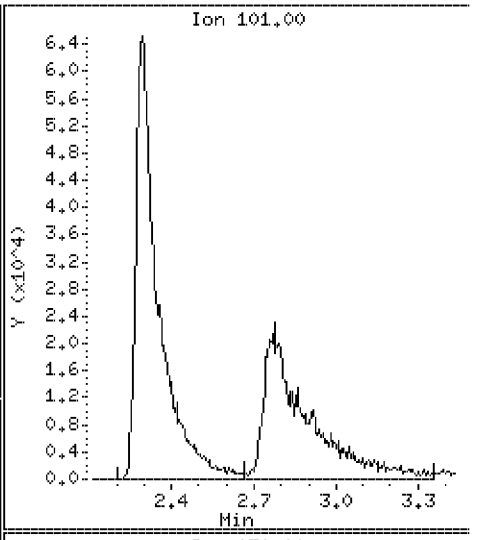
Concentration: 20.4 ug/l

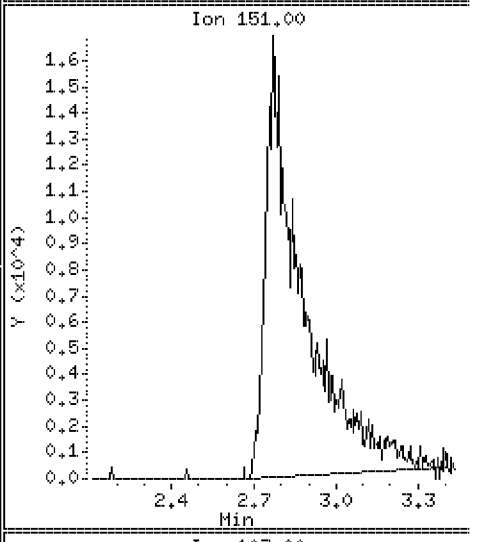


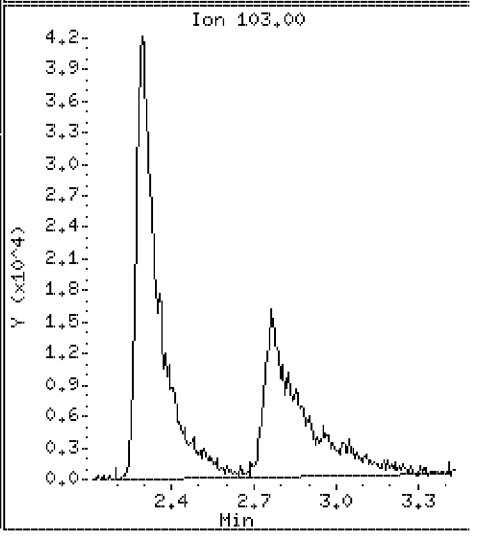












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

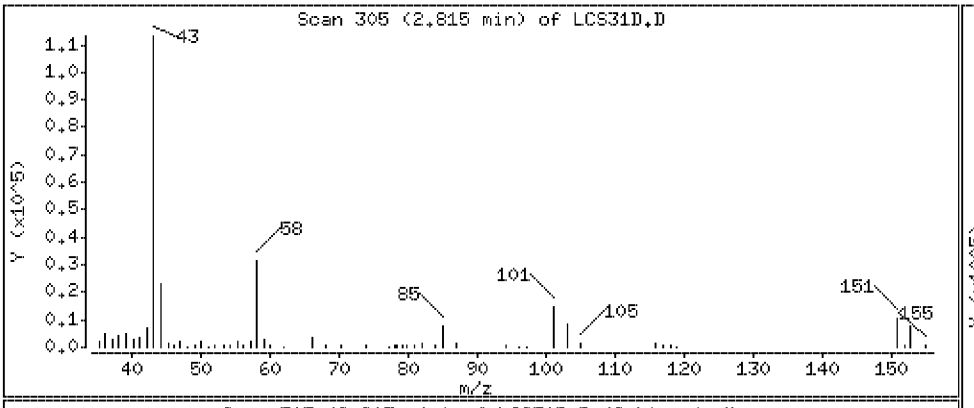
Operator:

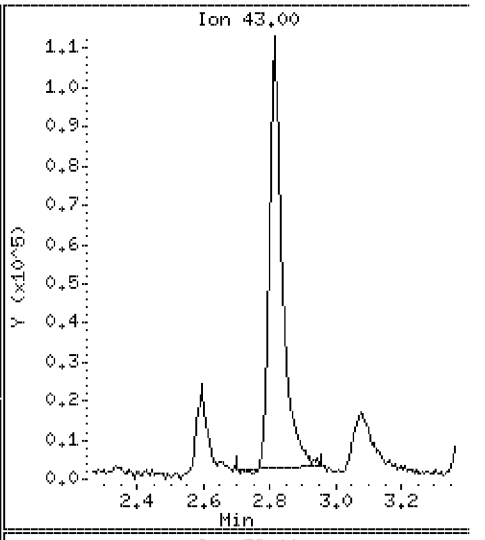
Column phase: DB-624

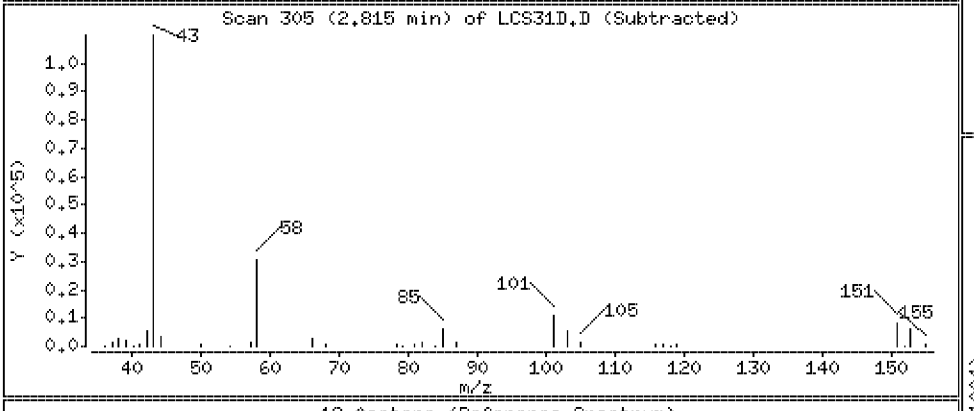
Column diameter: 0.18

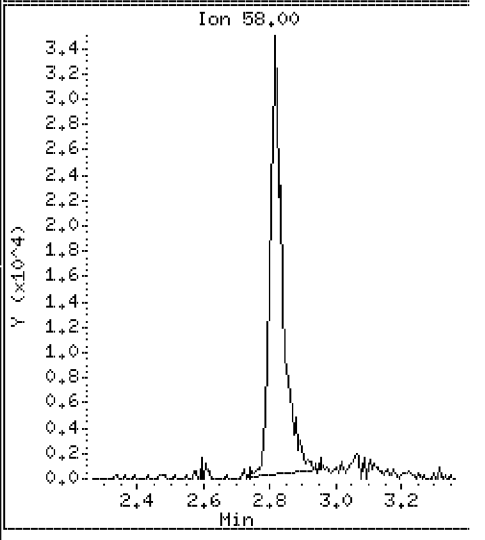
12 Acetone

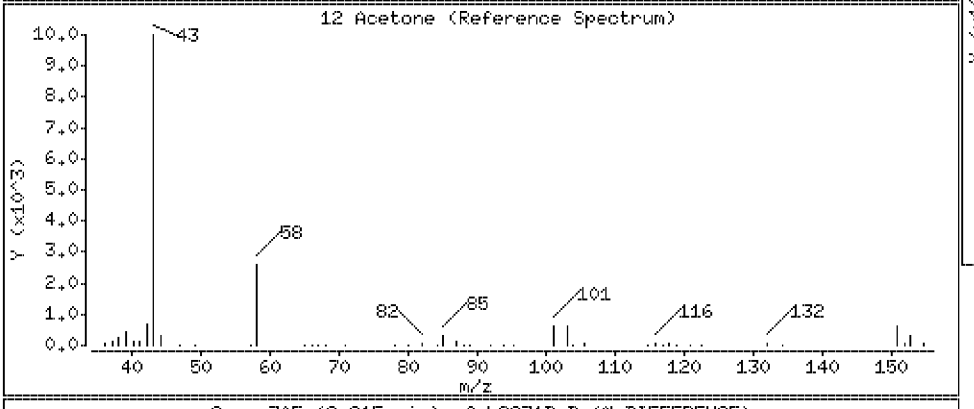
Concentration: 42.3 ug/l

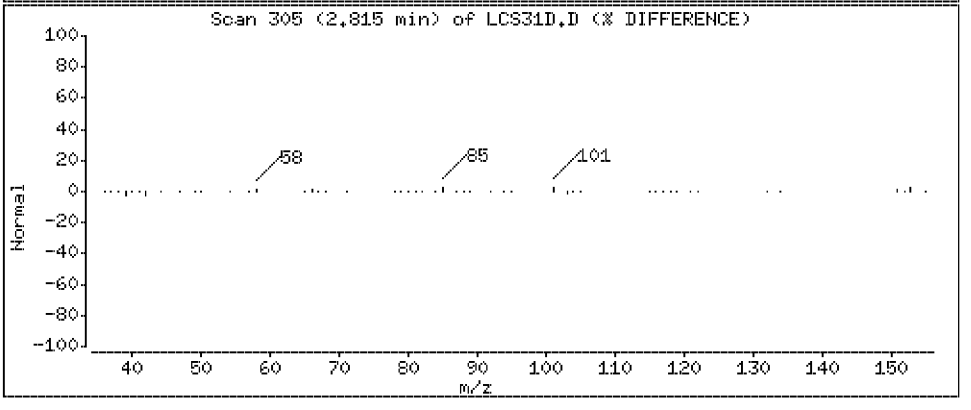












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

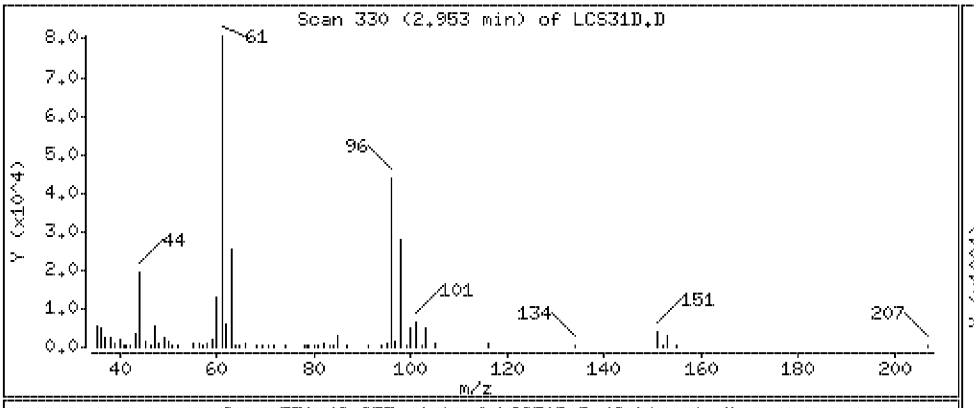
Operator:

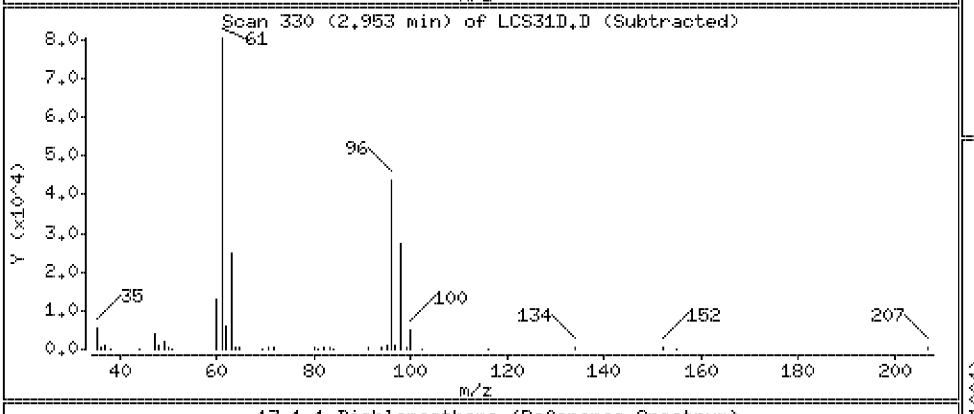
Column phase: DB-624

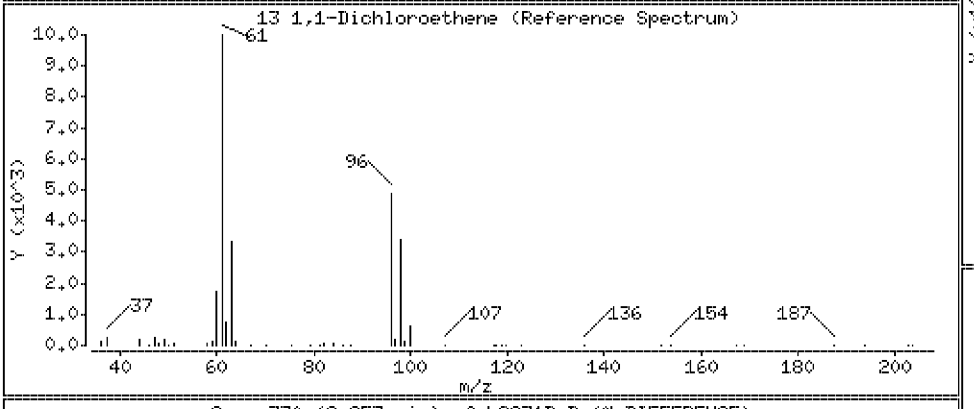
Column diameter: 0.18

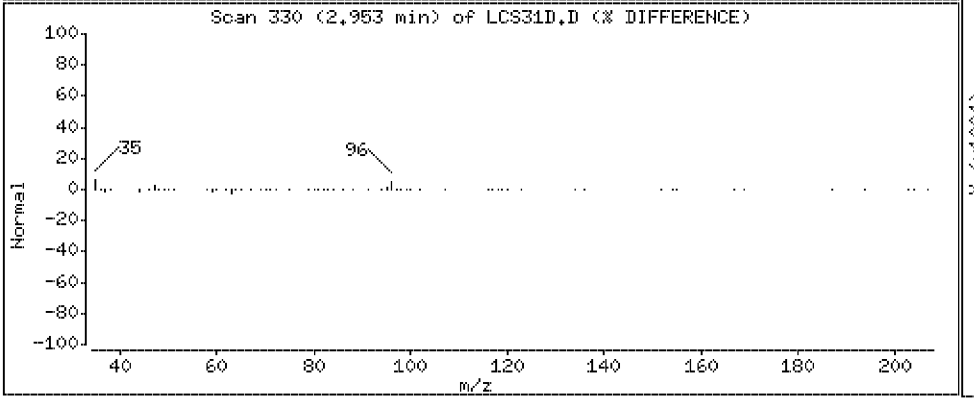
13 1,1-Dichloroethene

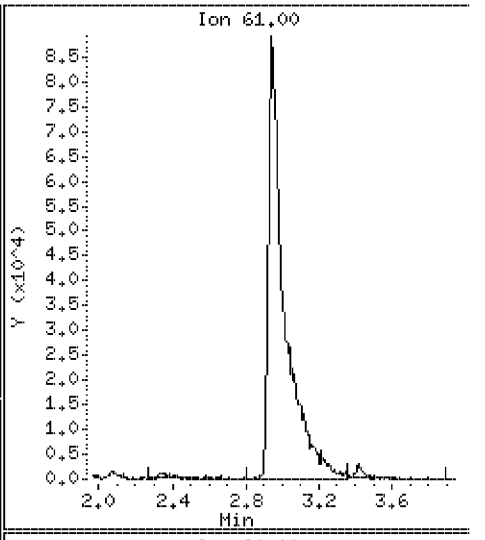
Concentration: 19.7 ug/l

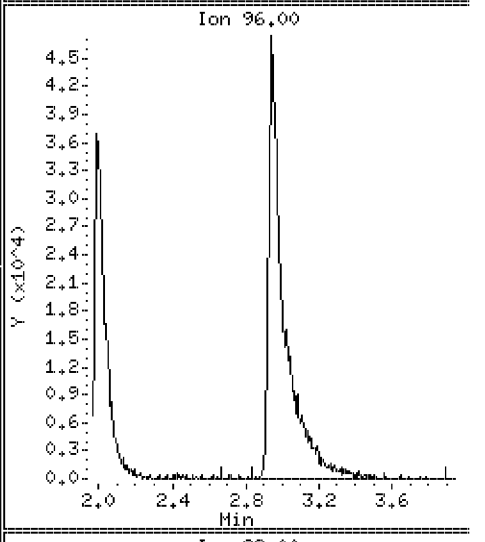


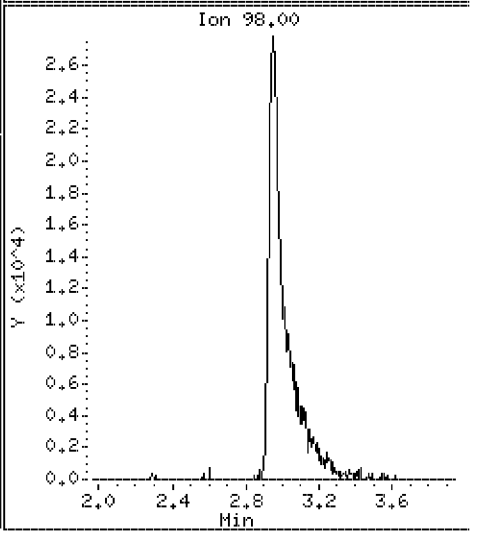












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

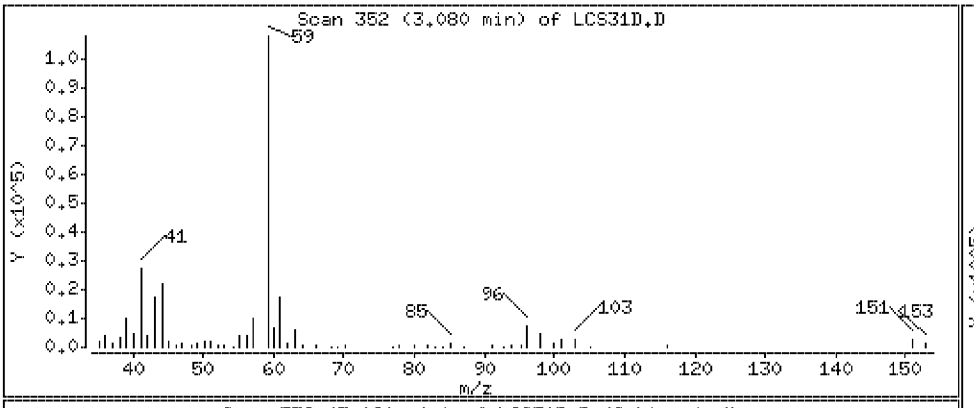
Operator:

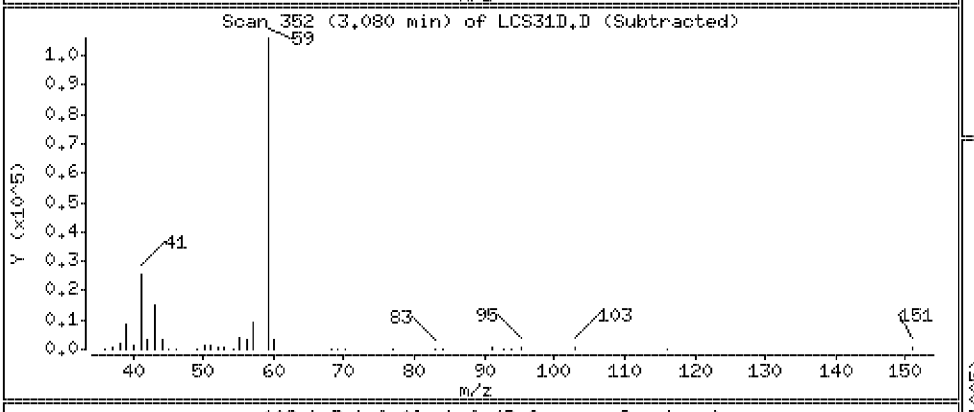
Column phase: DB-624

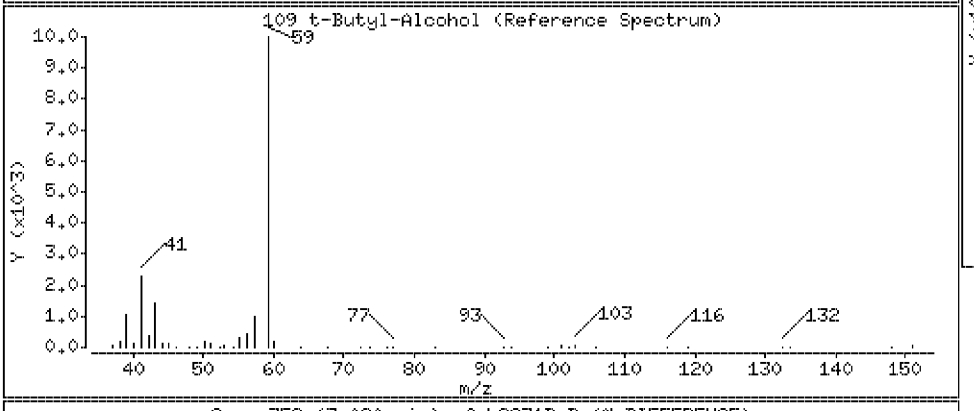
Column diameter: 0.18

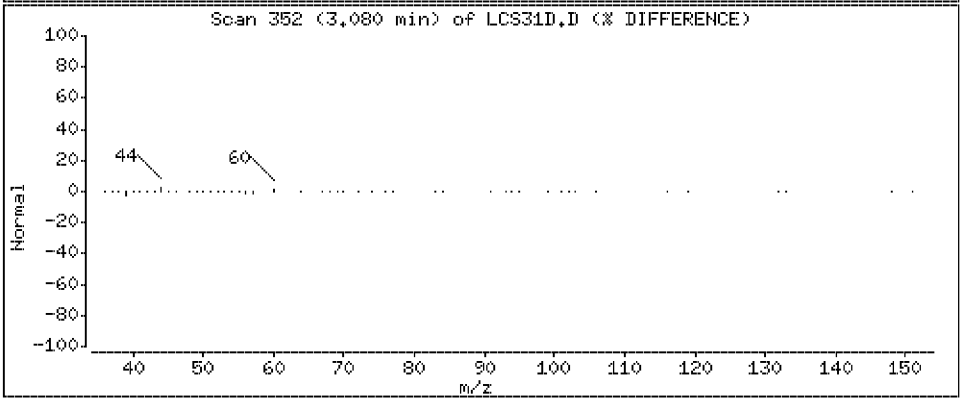
109 t-Butyl-Alcohol

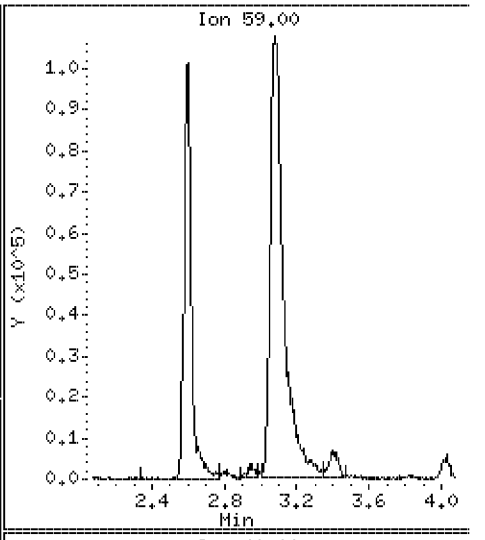
Concentration: 258 ug/l

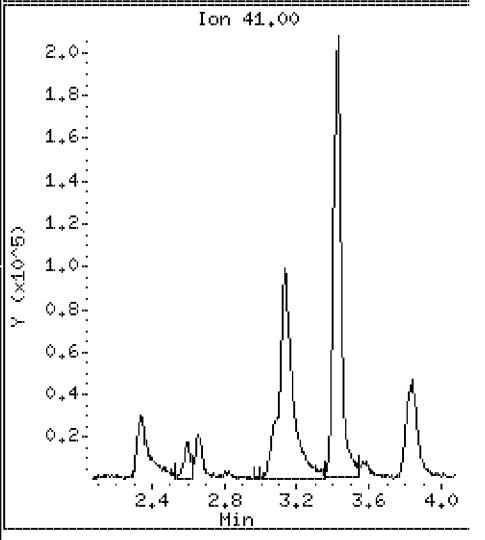












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

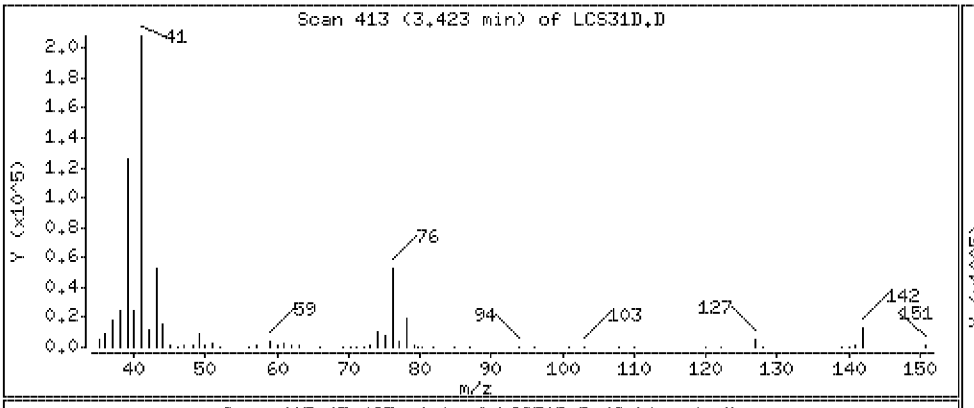
Operator:

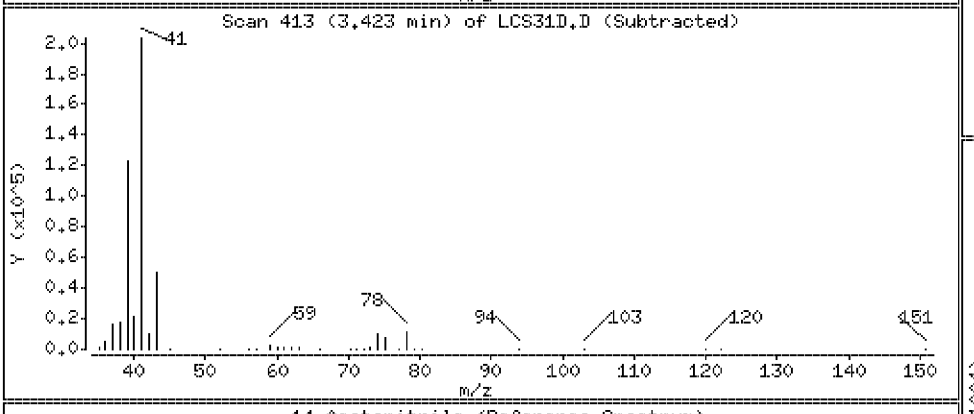
Column phase: DB-624

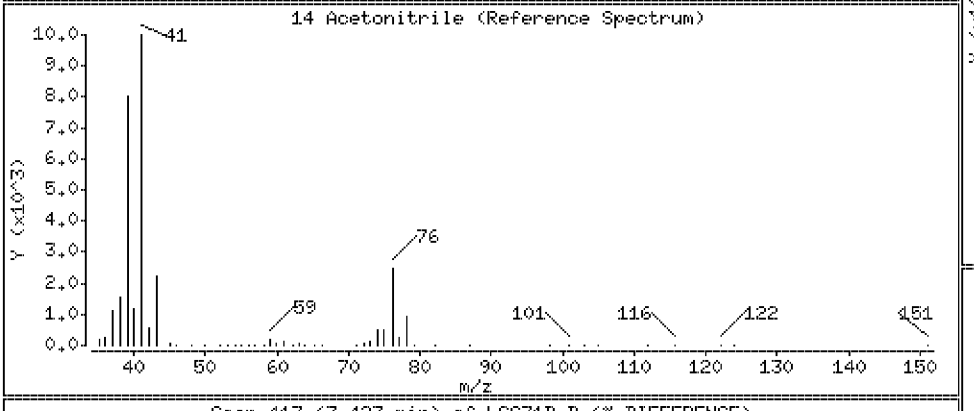
Column diameter: 0.18

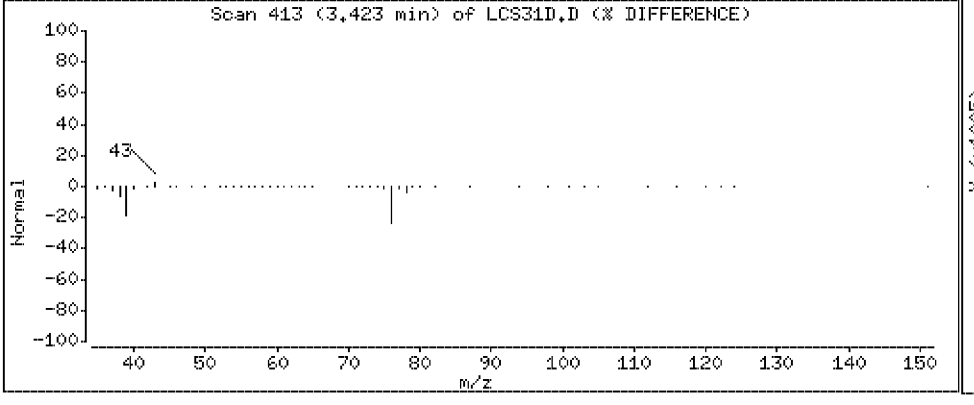
14 Acetonitrile

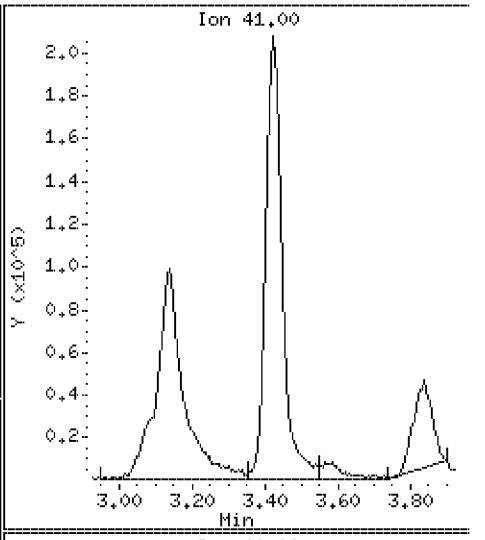
Concentration: 197 ug/l

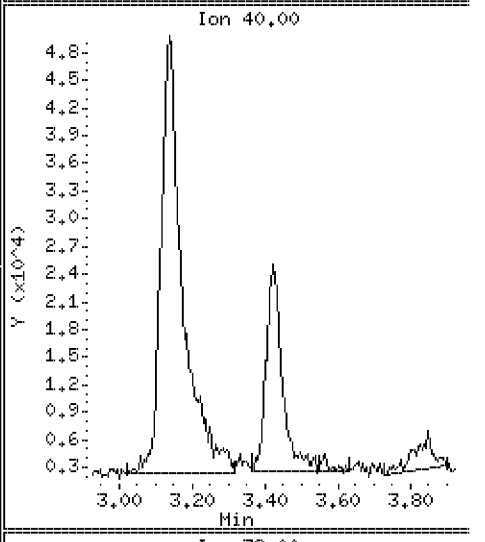


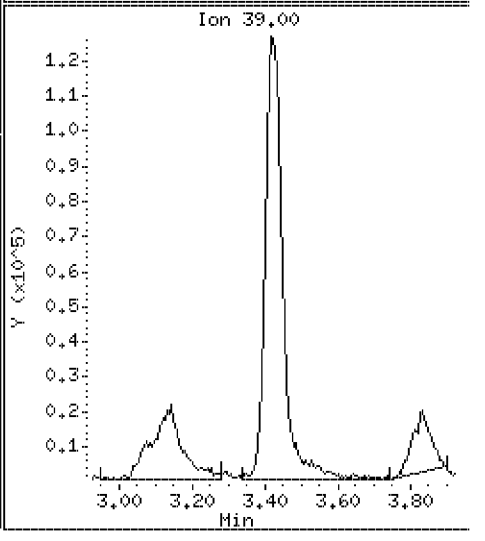












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

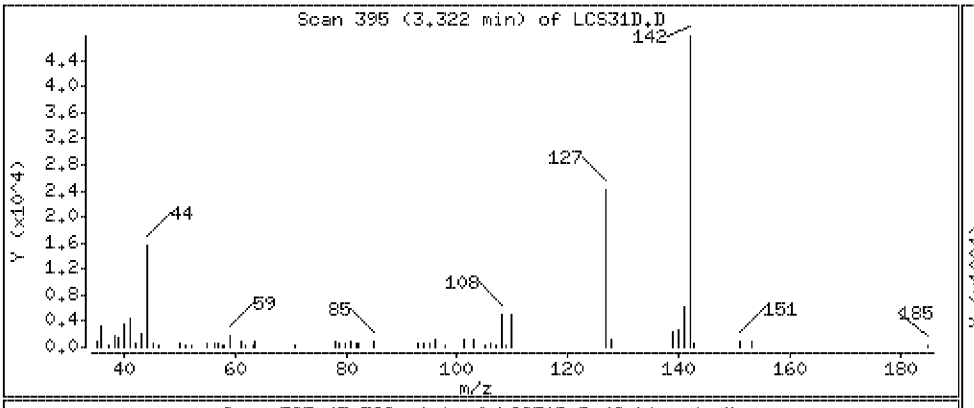
Operator:

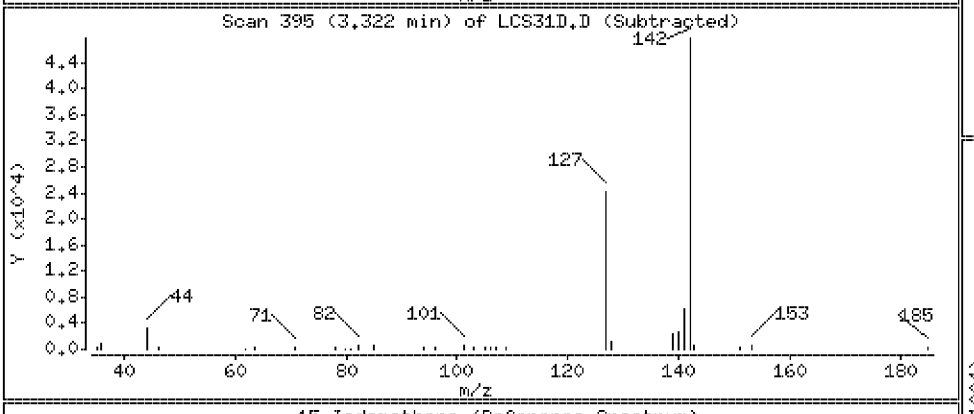
Column phase: DB-624

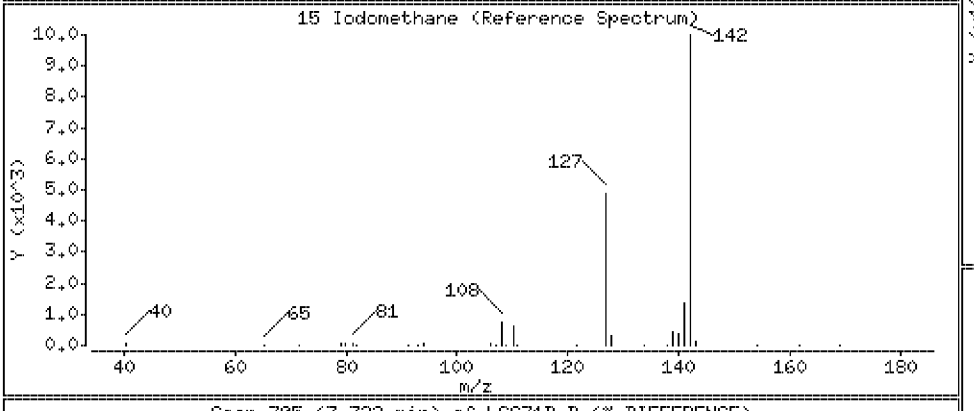
Column diameter: 0.18

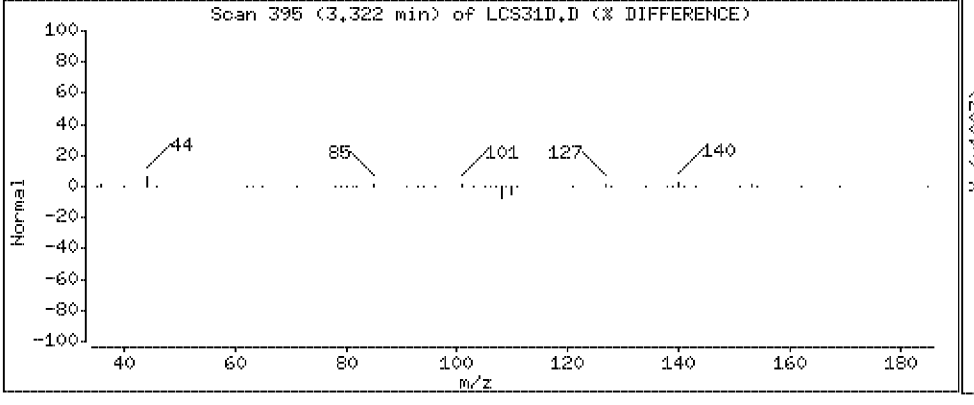
15 Iodomethane

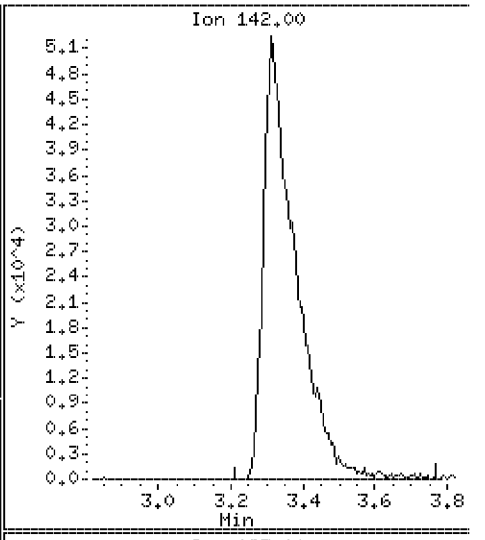
Concentration: 23.4 ug/l

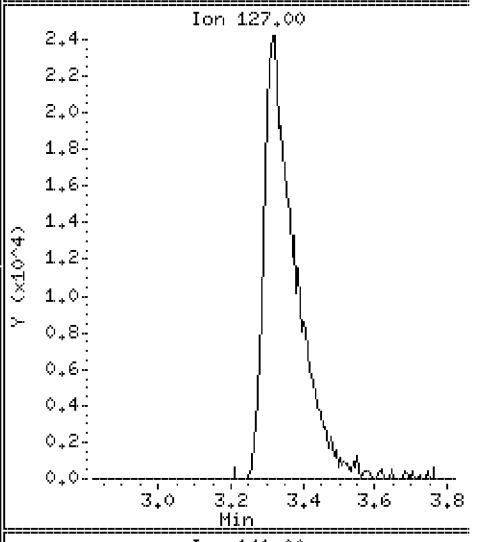


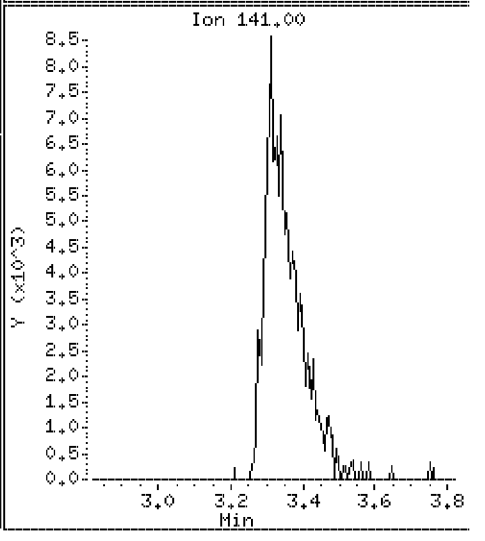












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

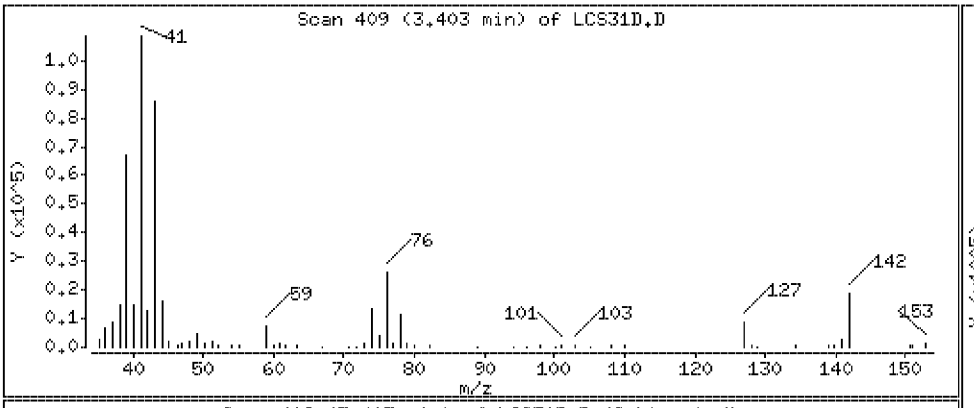
Operator:

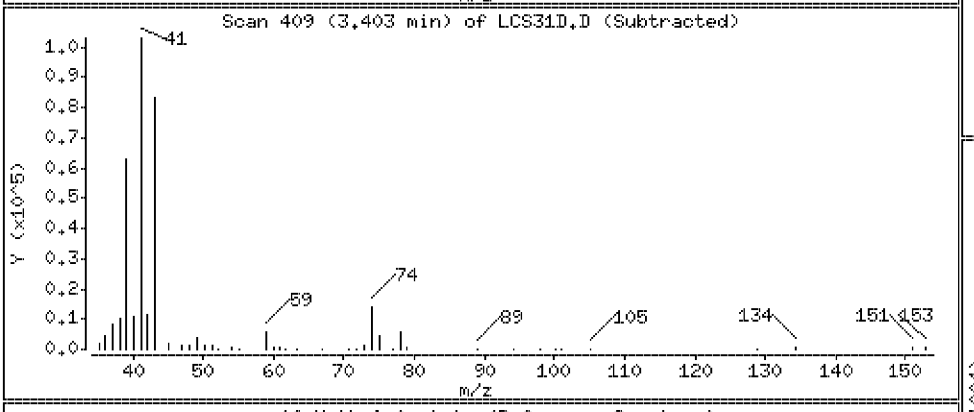
Column phase: DB-624

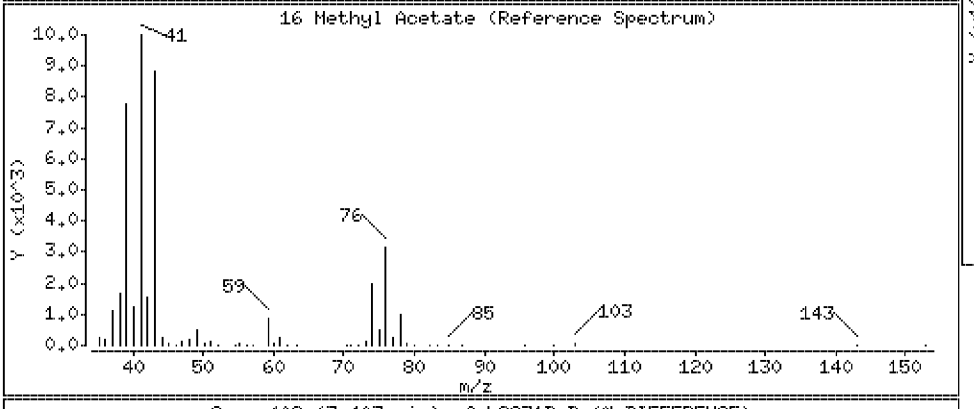
Column diameter: 0.18

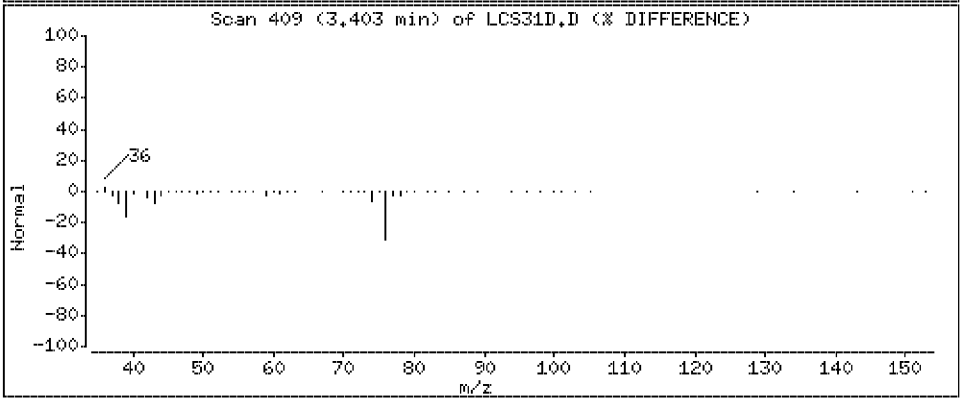
16 Methyl Acetate

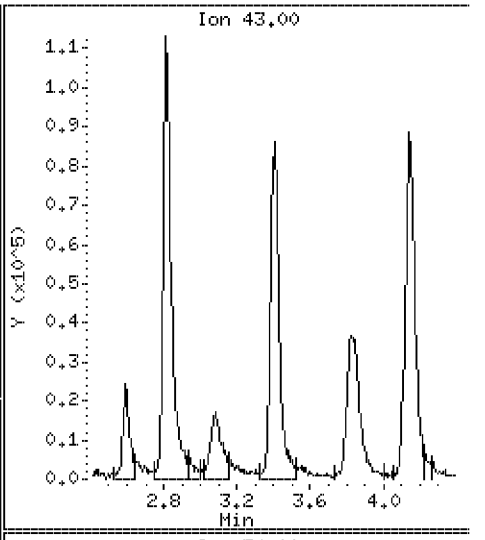
Concentration: 18.5 ug/l

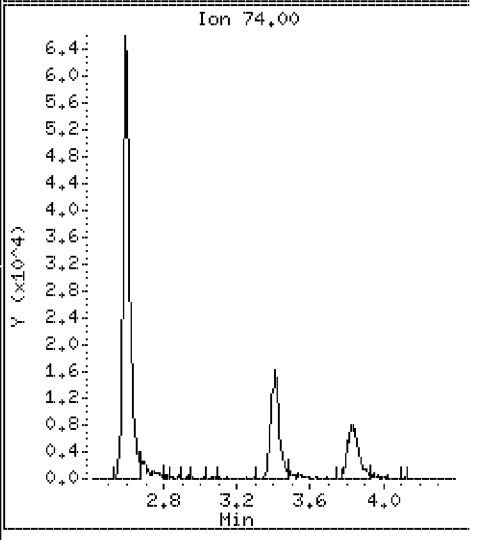












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

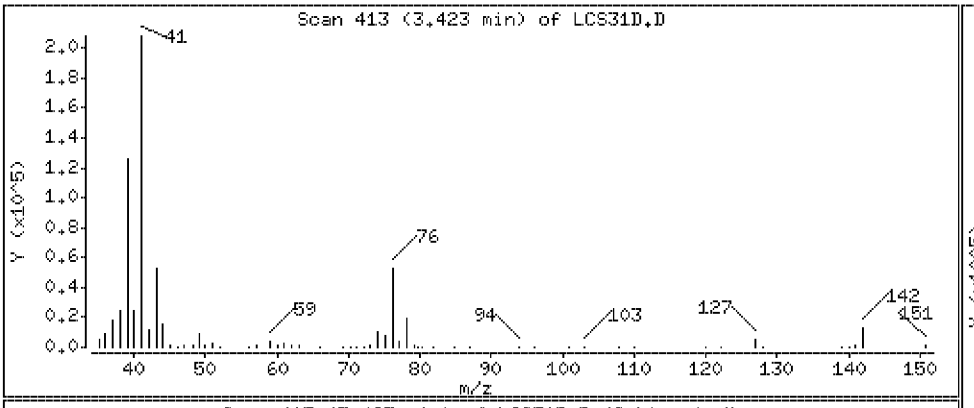
Operator:

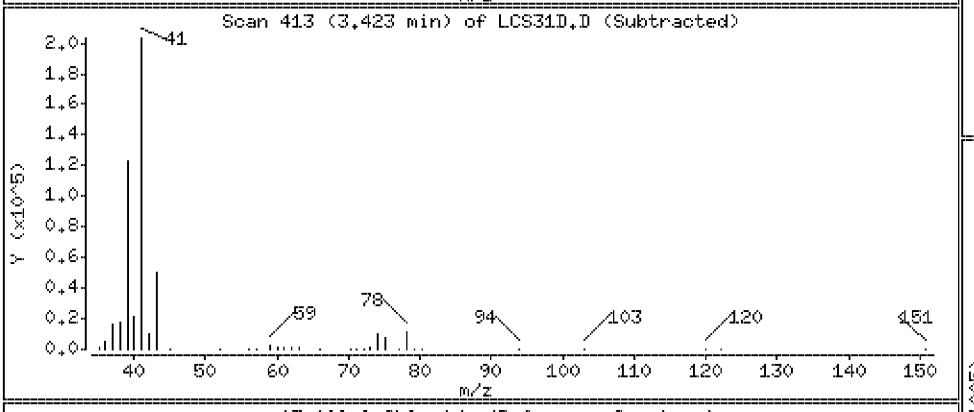
Column phase: DB-624

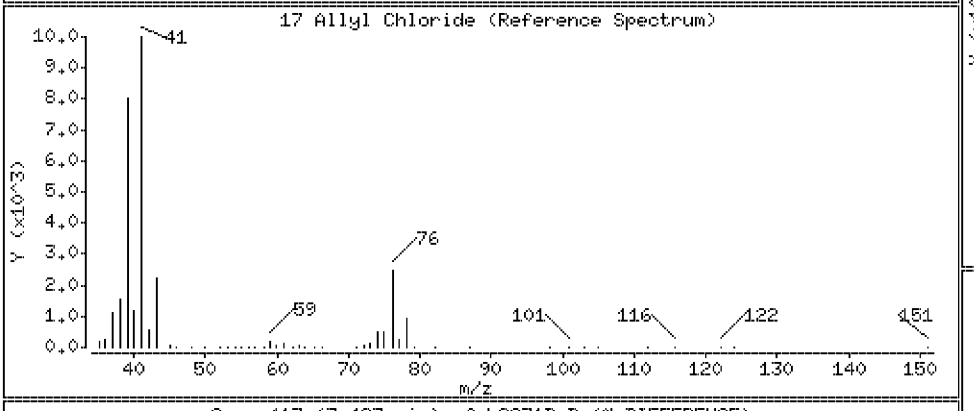
Column diameter: 0.18

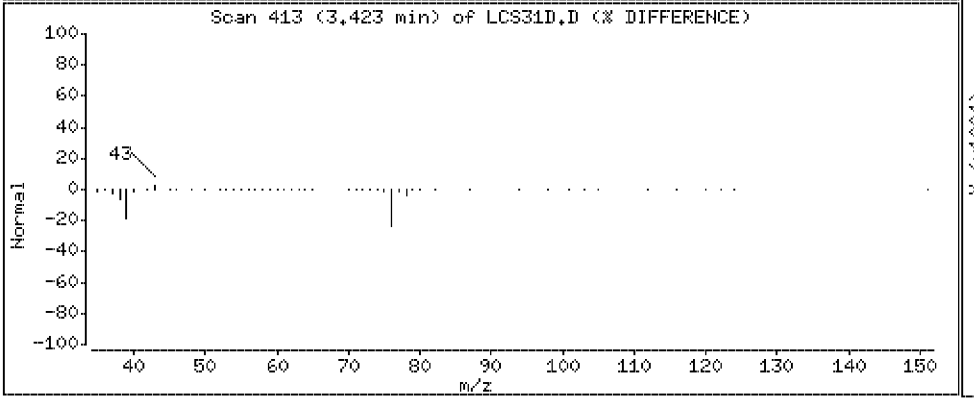
17 Allyl Chloride

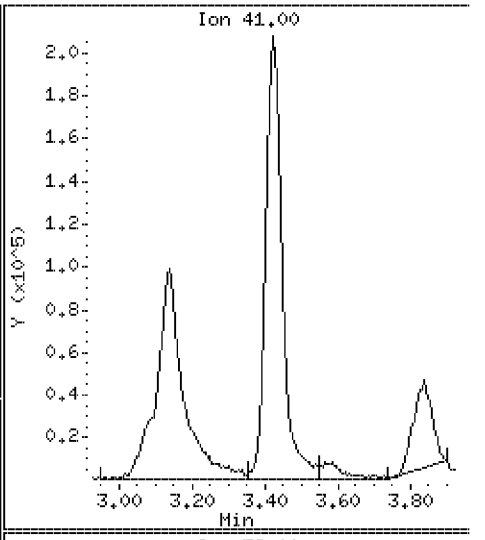
Concentration: 19.7 ug/l

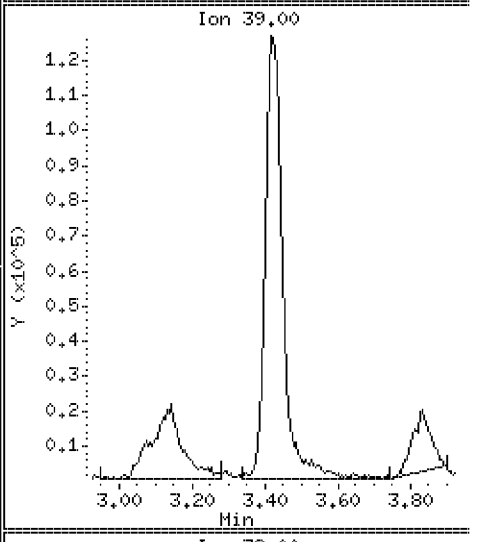


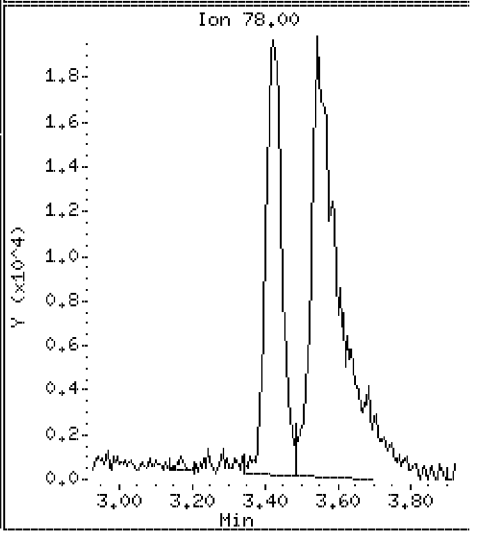












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

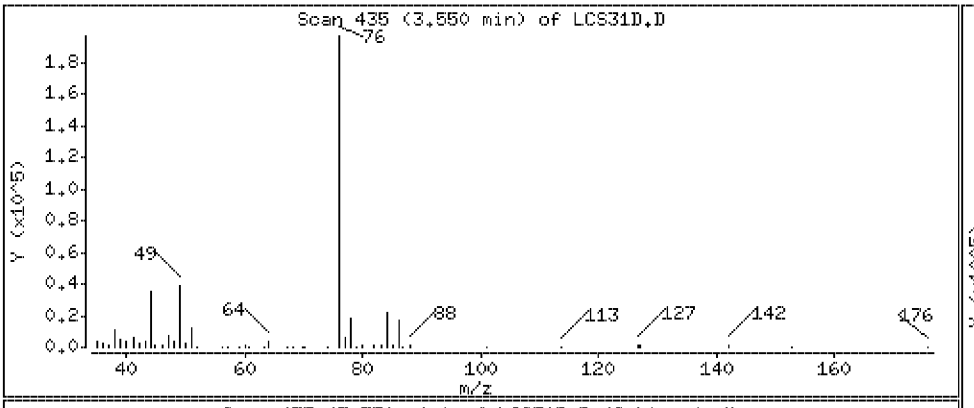
Operator:

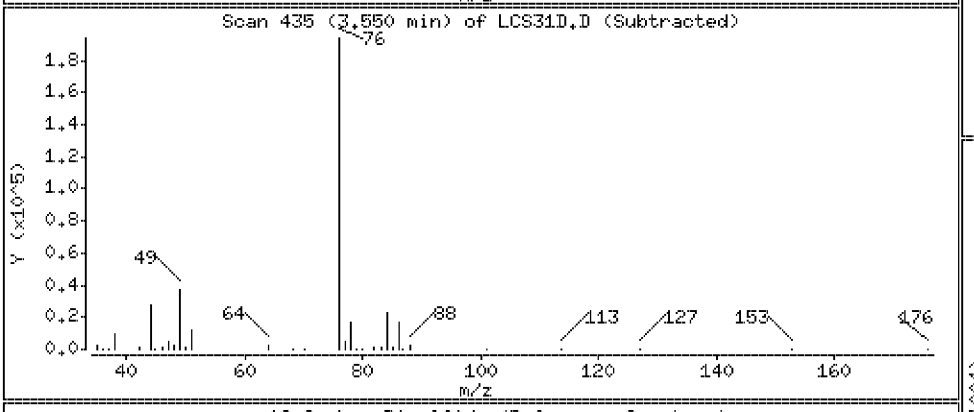
Column phase: DB-624

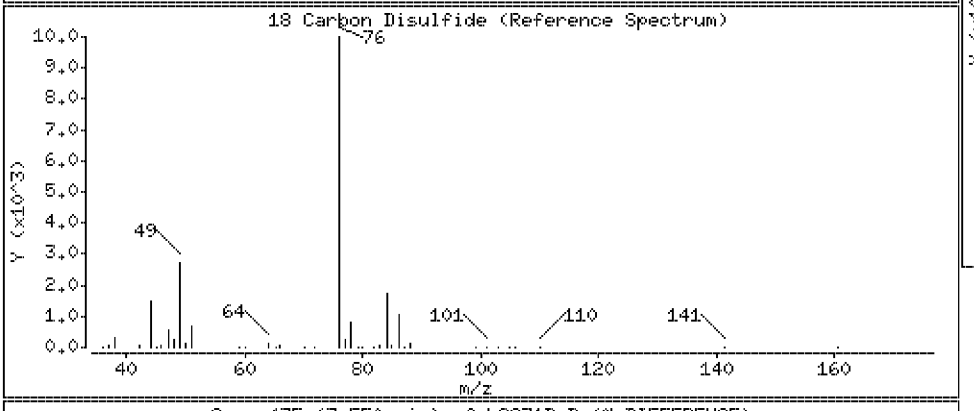
Column diameter: 0.18

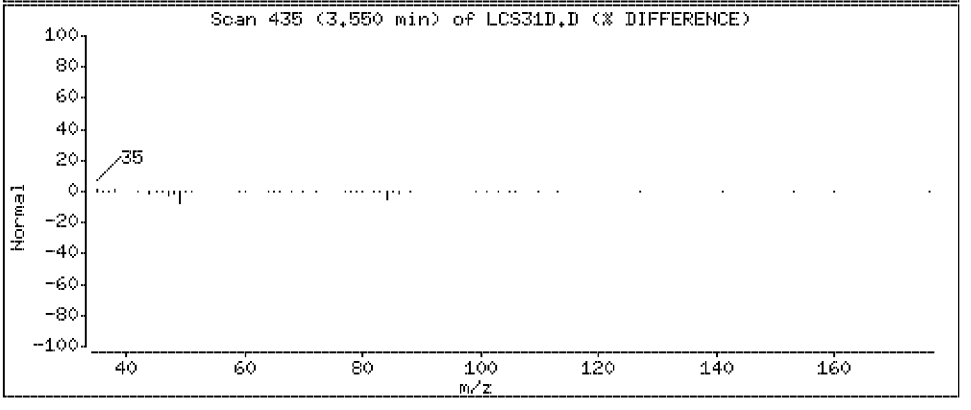
18 Carbon Disulfide

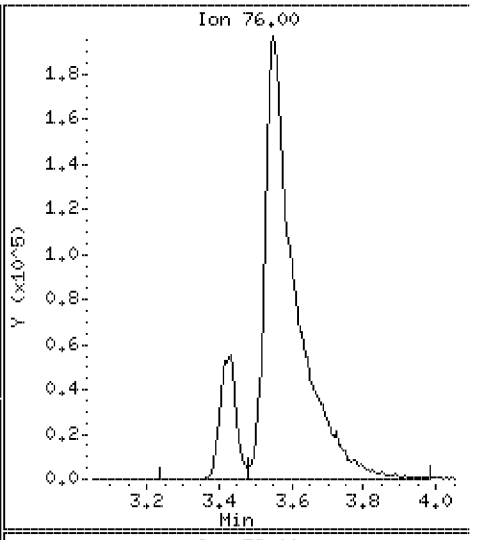
Concentration: 21.3 ug/l

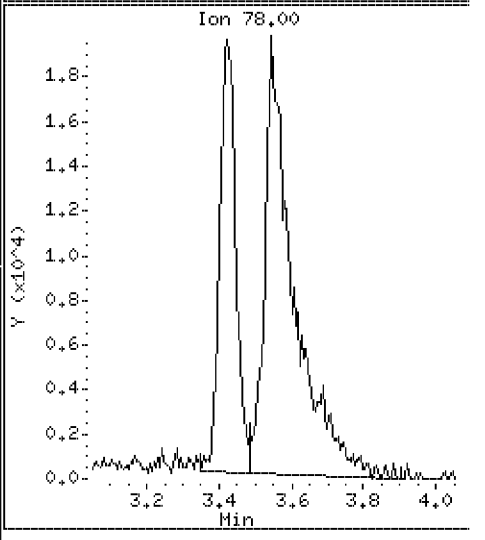












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

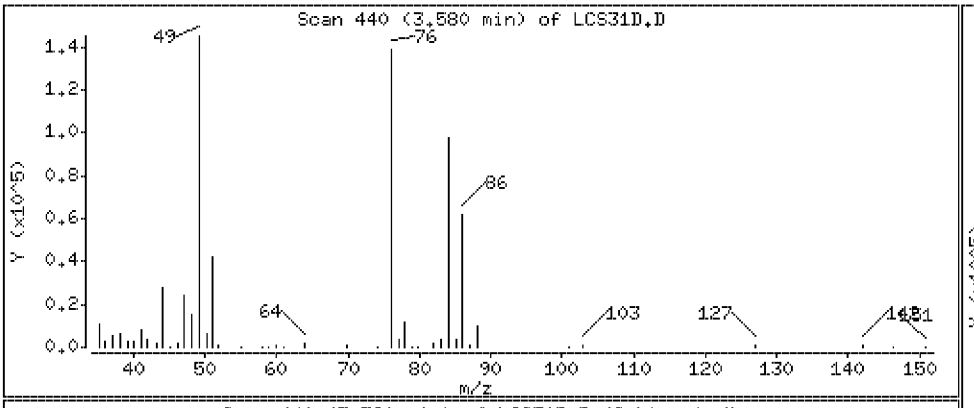
Operator:

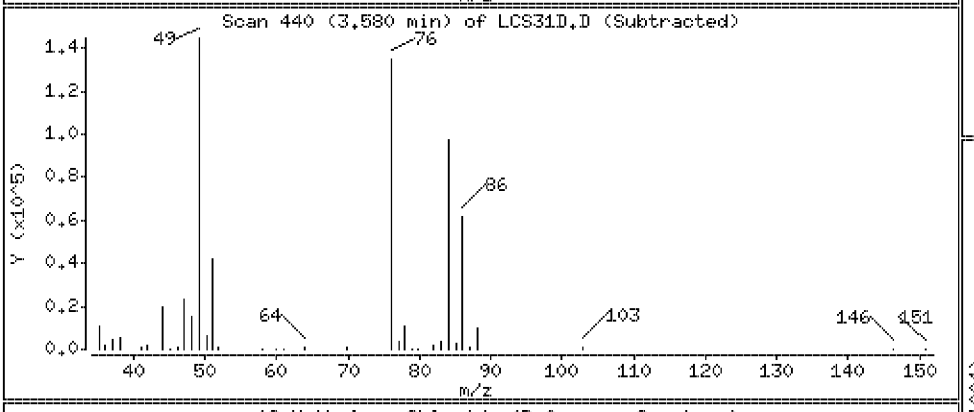
Column phase: DB-624

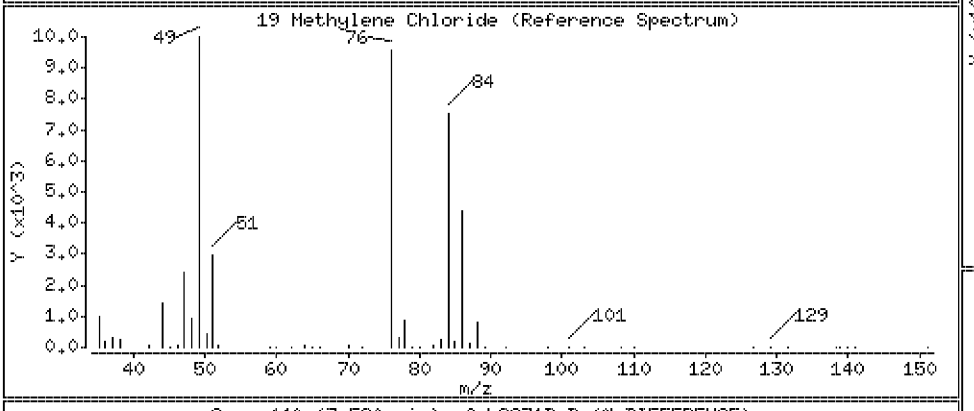
Column diameter: 0.18

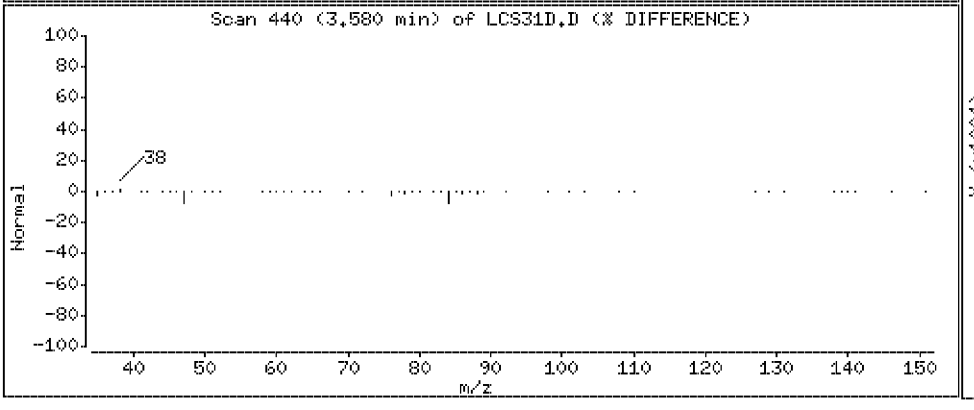
19 Methylene Chloride

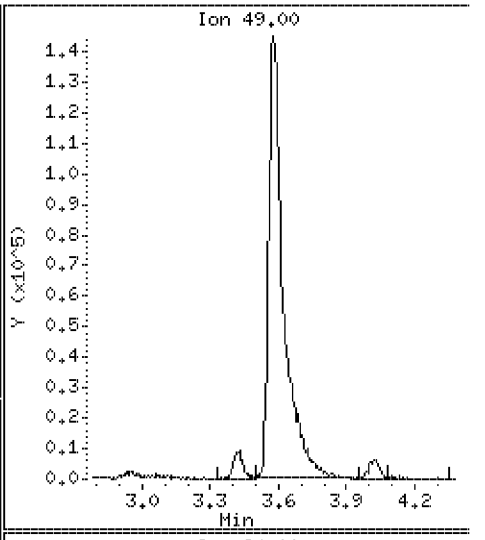
Concentration: 18.8 ug/l

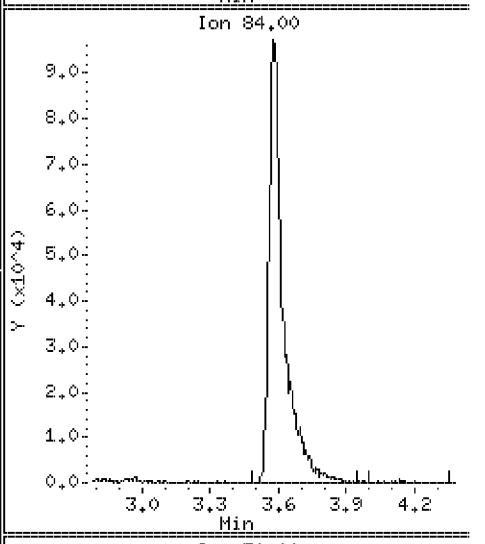


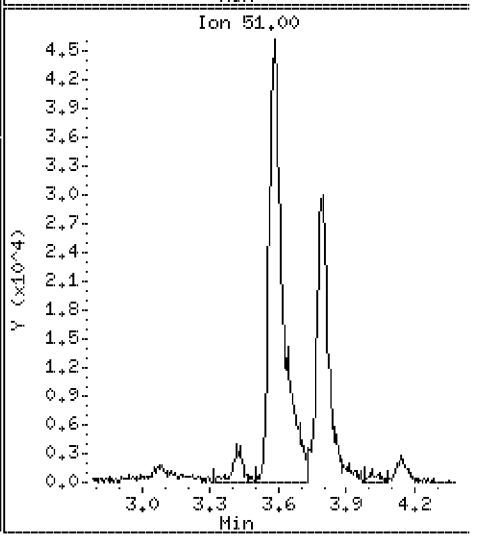












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

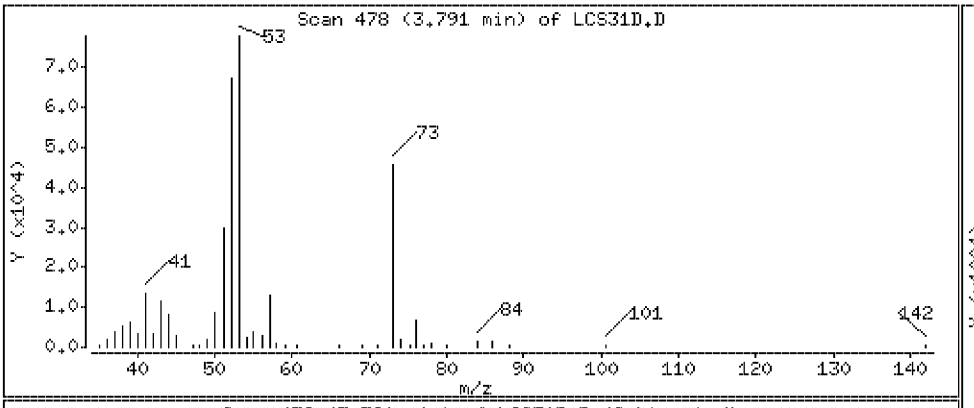
Operator:

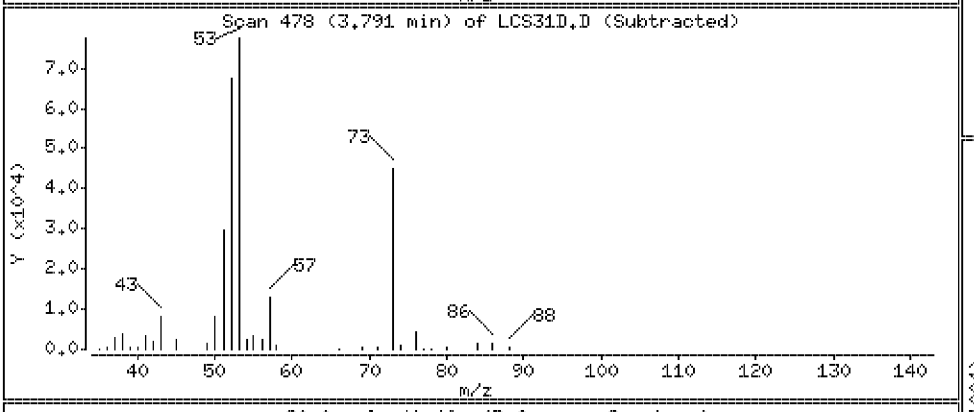
Column phase: DB-624

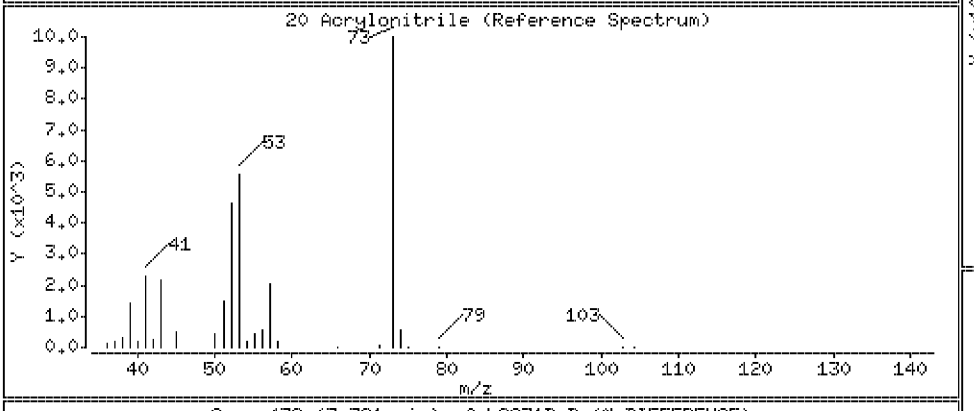
Column diameter: 0.18

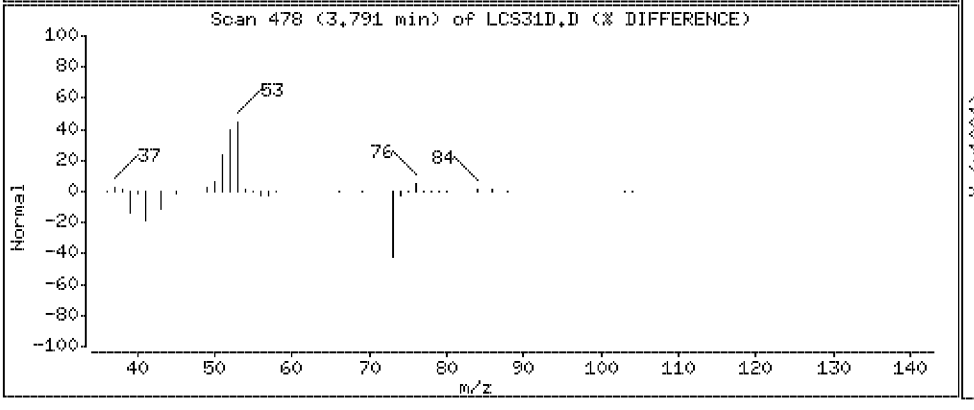
20 Acrylonitrile

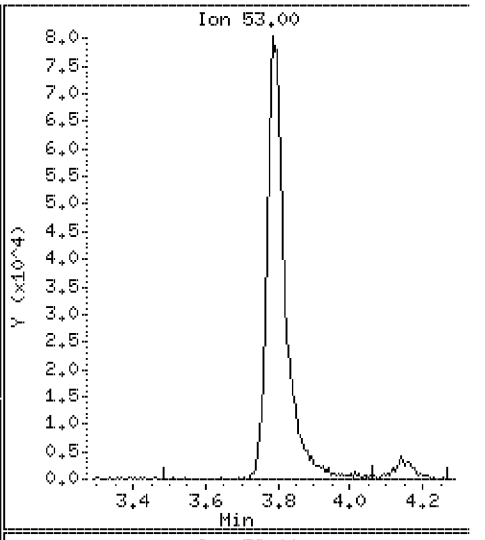
Concentration: 41.1 ug/l

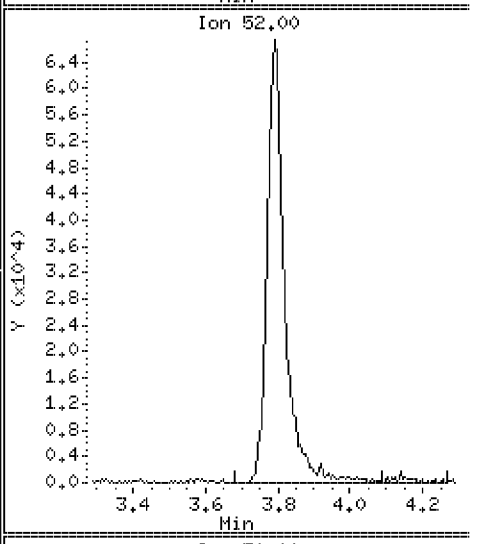


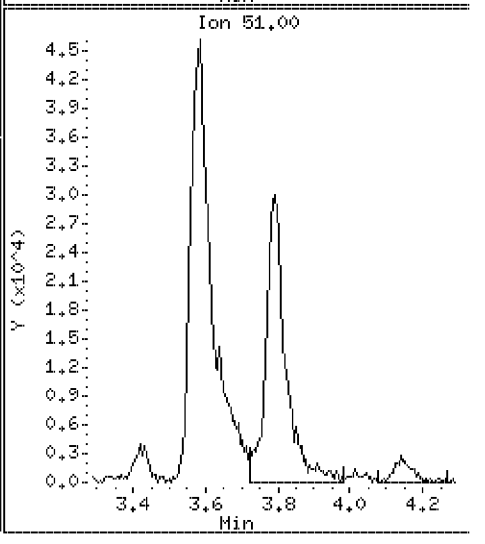












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

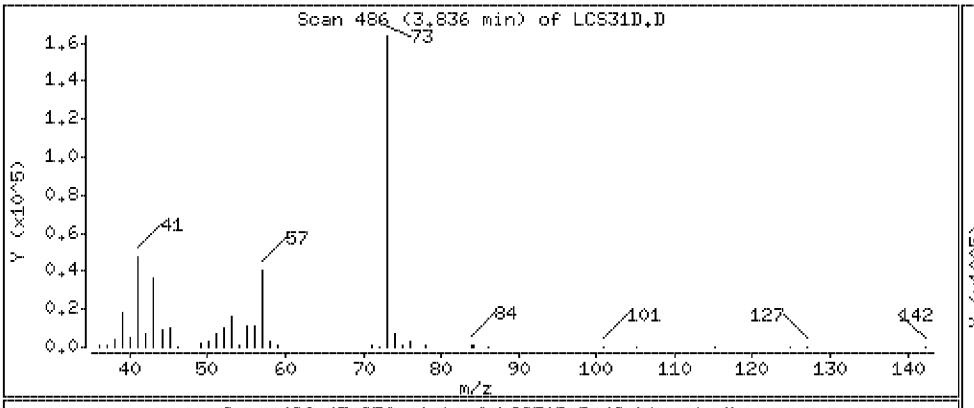
Operator:

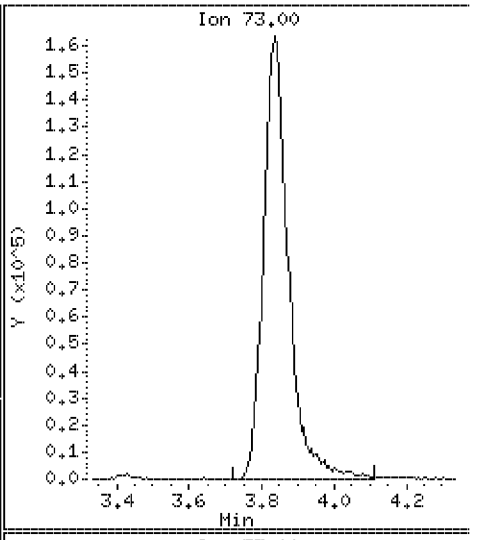
Column phase: DB-624

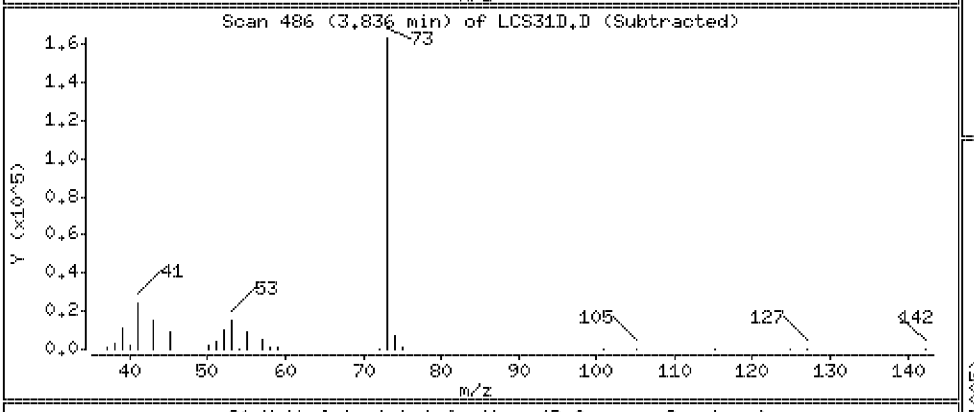
Column diameter: 0.18

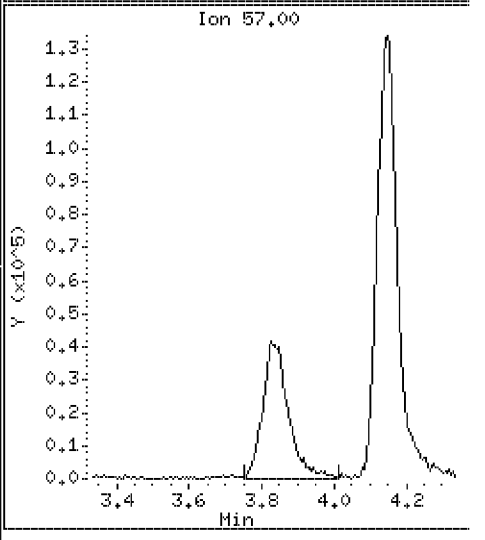
21 Methyl-tert-butyl ether

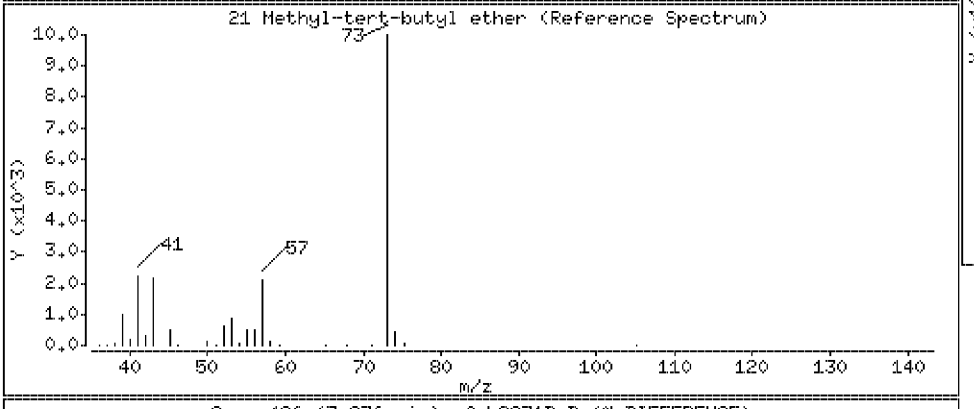
Concentration: 17.6 ug/l

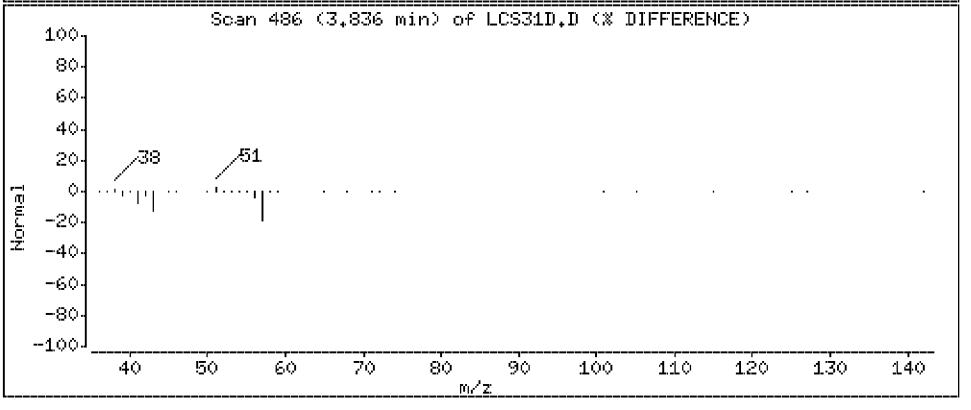












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

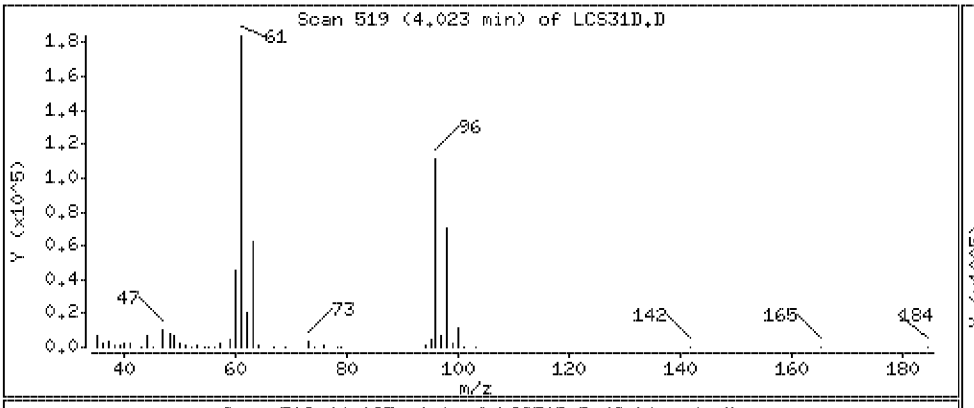
Operator:

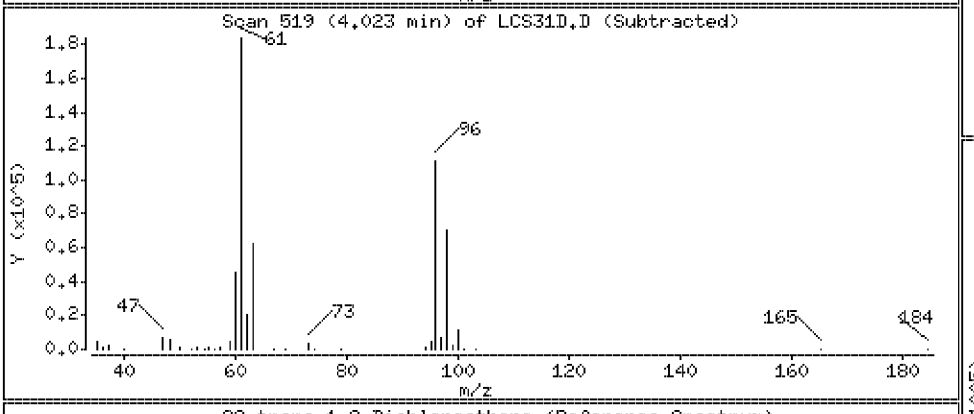
Column phase: DB-624

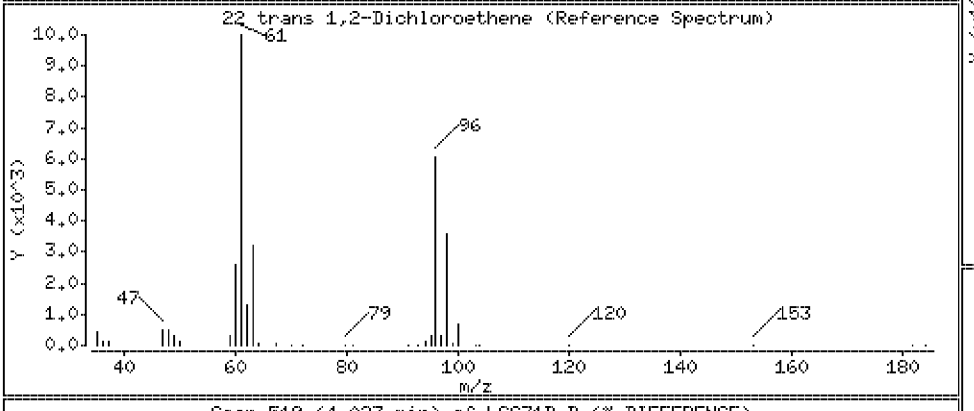
Column diameter: 0.18

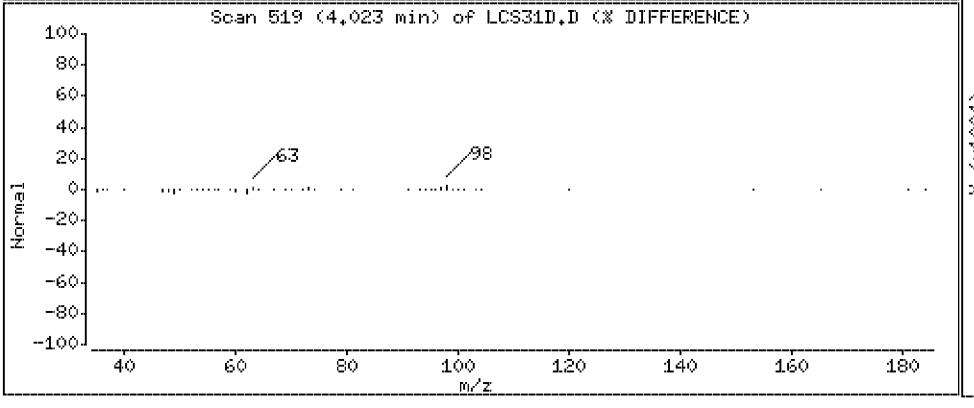
22 trans 1,2-Dichloroethene

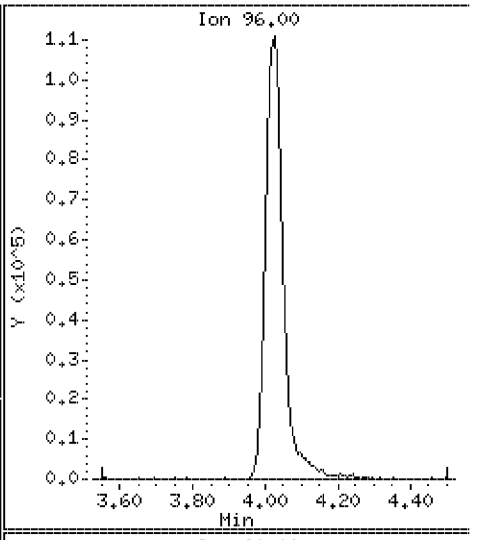
Concentration: 20.3 ug/l

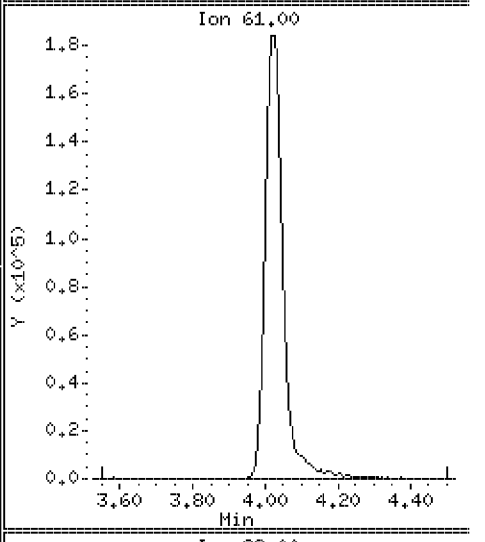


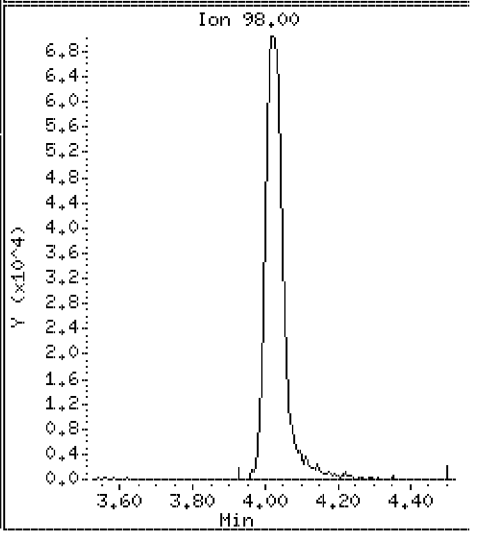












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

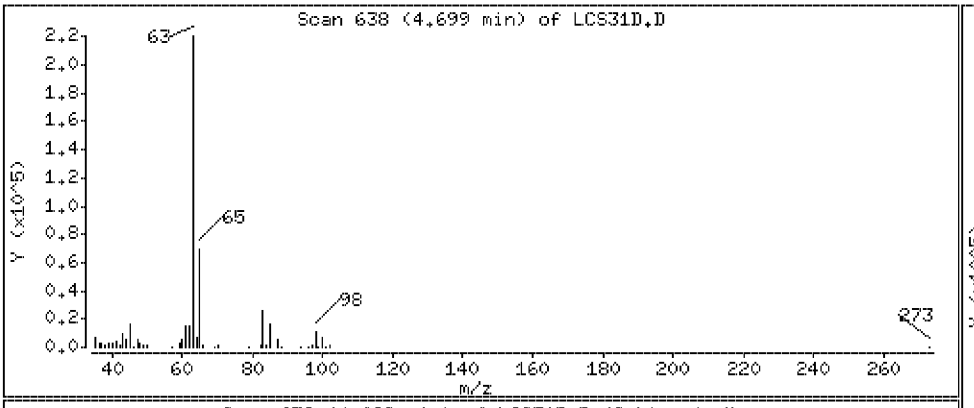
Operator:

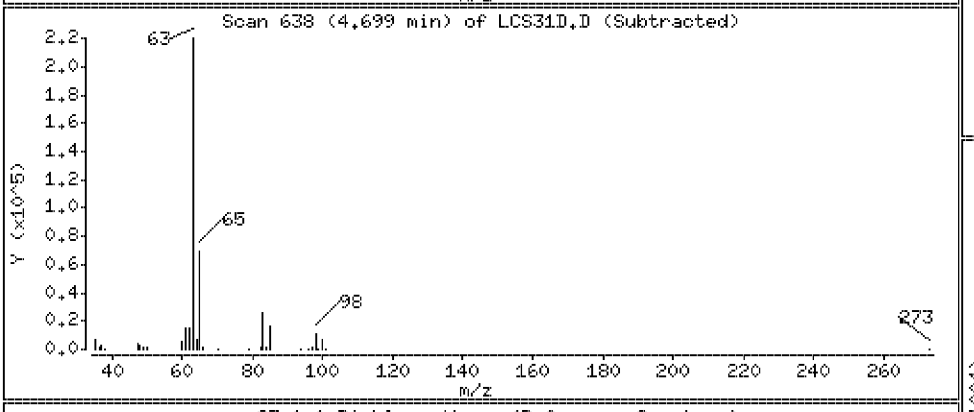
Column phase: DB-624

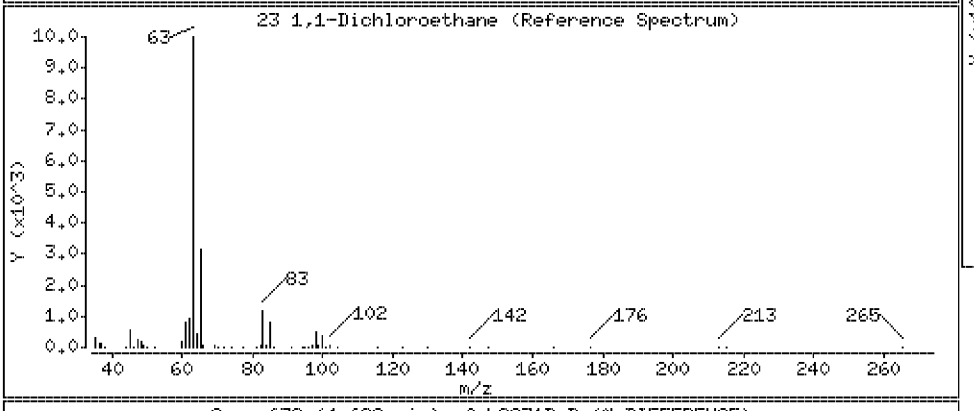
Column diameter: 0.18

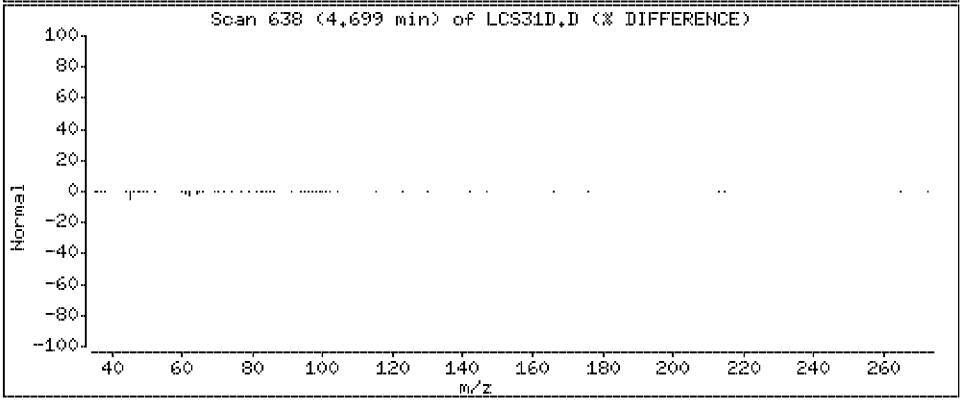
23 1,1-Dichloroethane

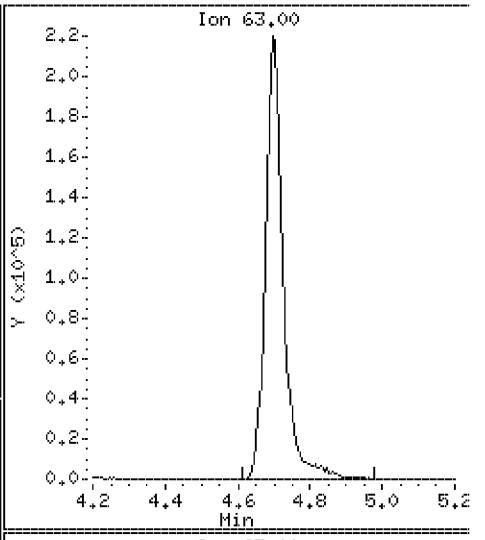
Concentration: 20.4 ug/l

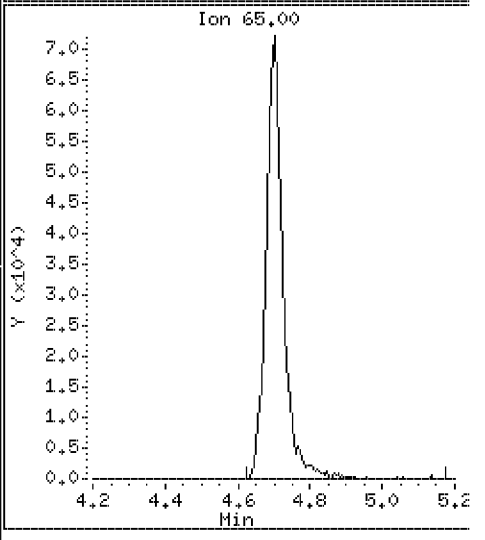












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

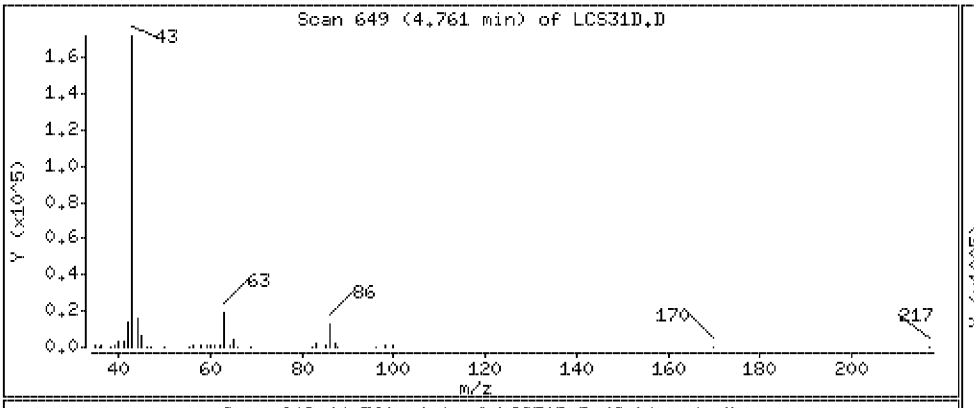
Operator:

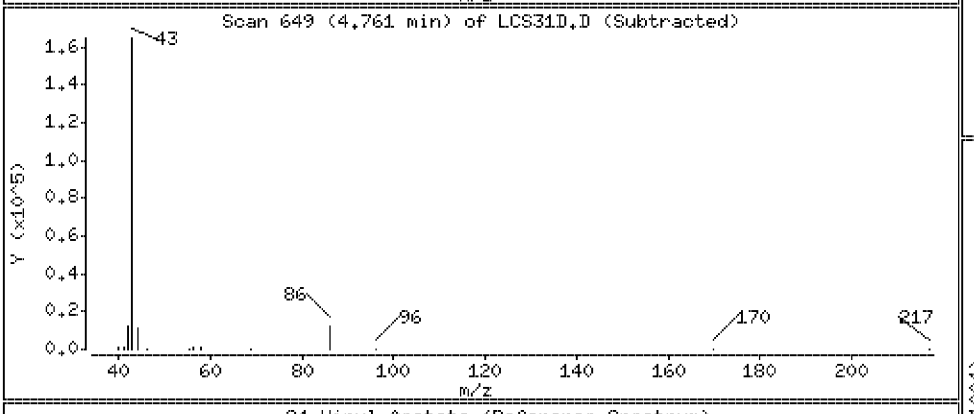
Column phase: DB-624

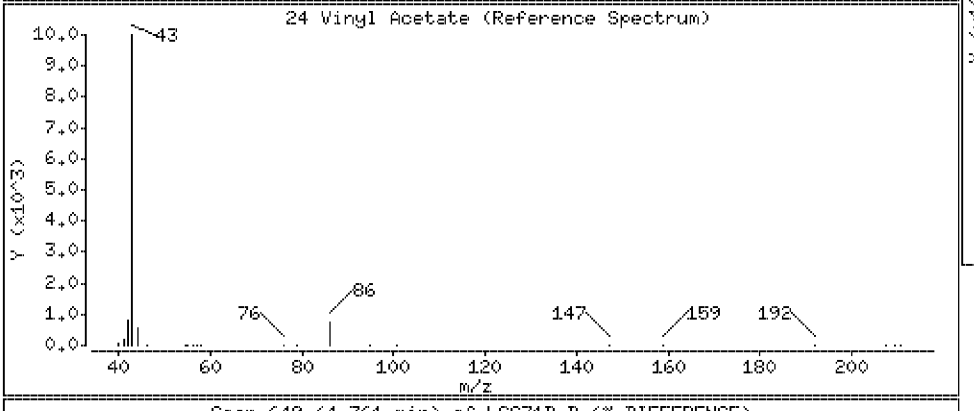
Column diameter: 0.18

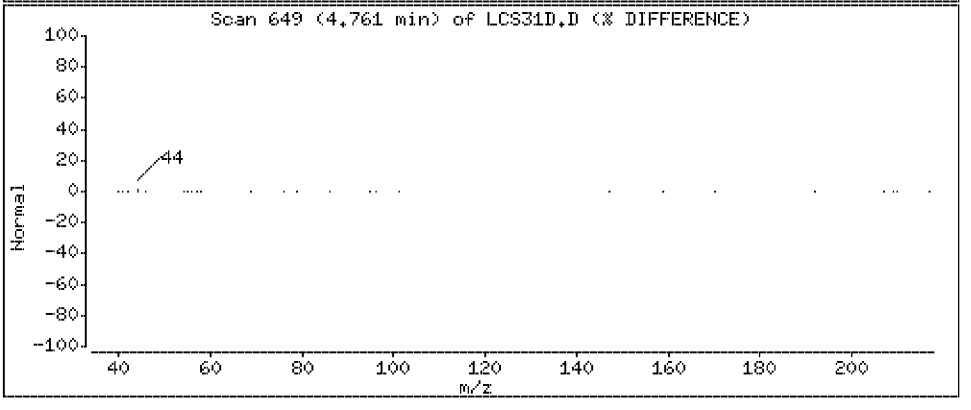
24 Vinyl Acetate

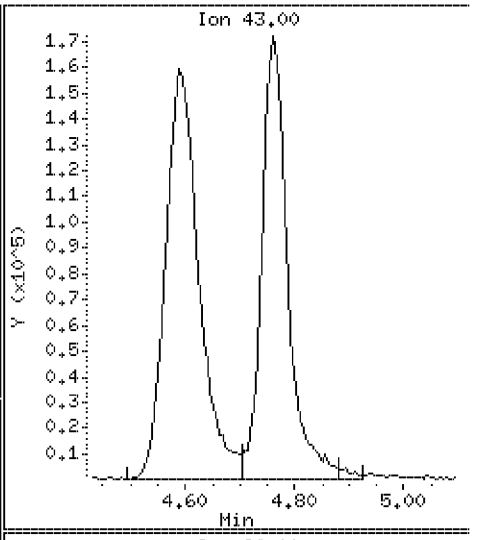
Concentration: 19.1 ug/l

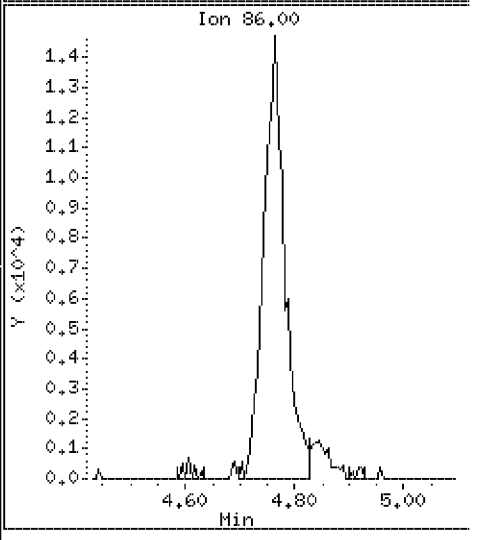












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

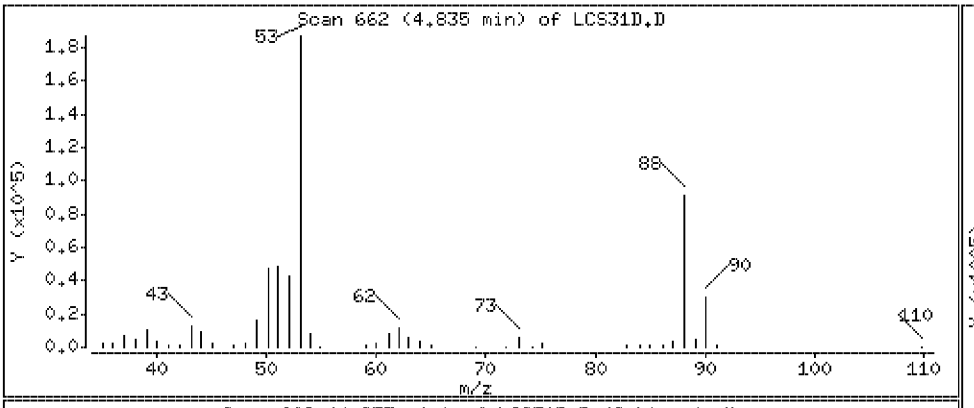
Operator:

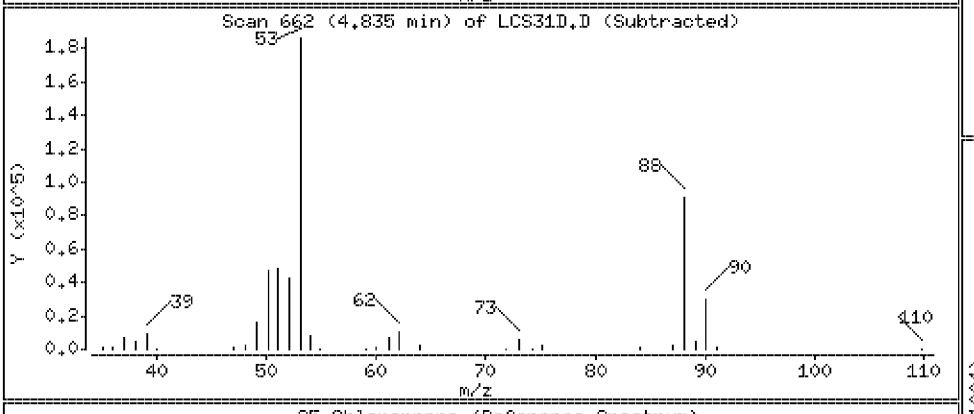
Column phase: DB-624

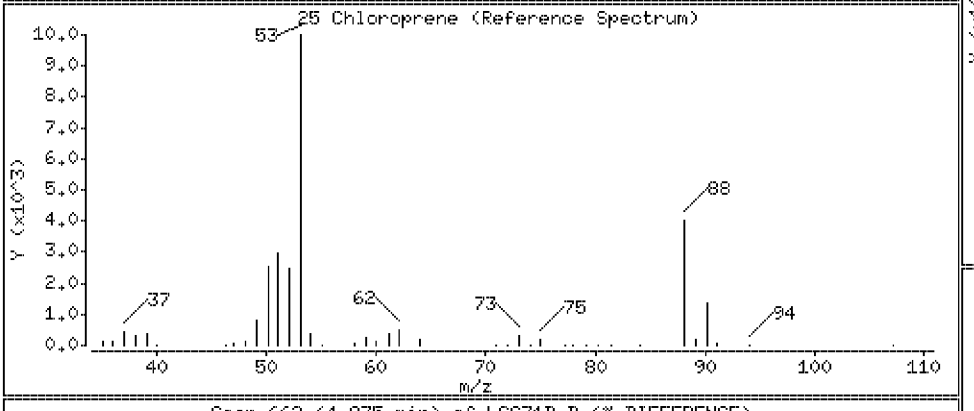
Column diameter: 0.18

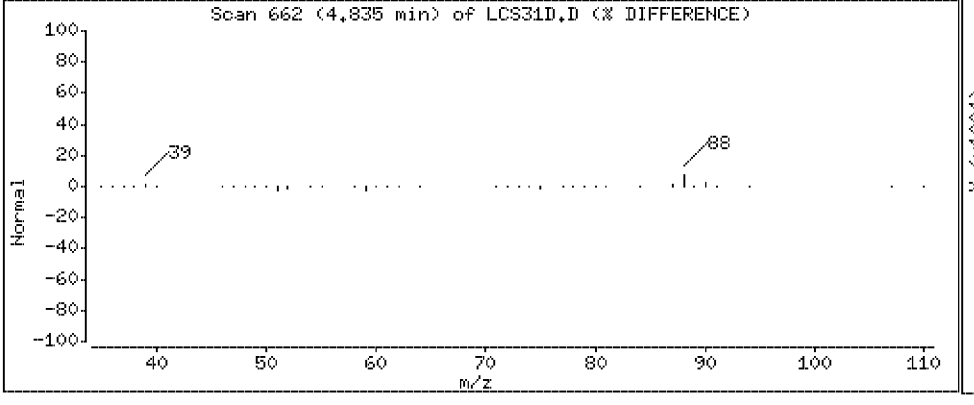
25 Chloroprene

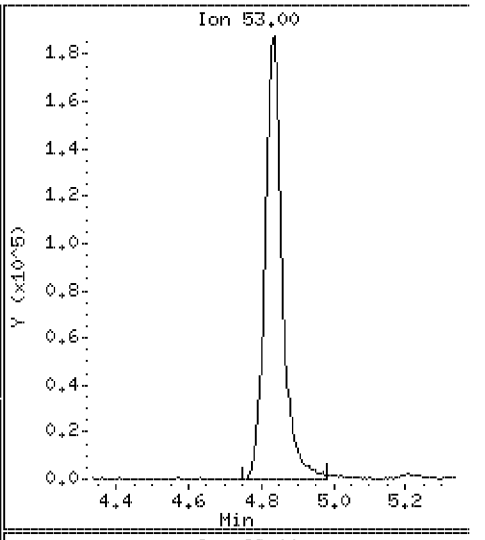
Concentration: 20.8 ug/l

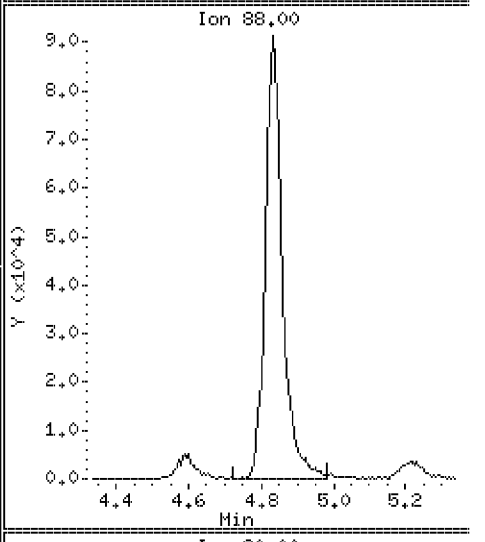


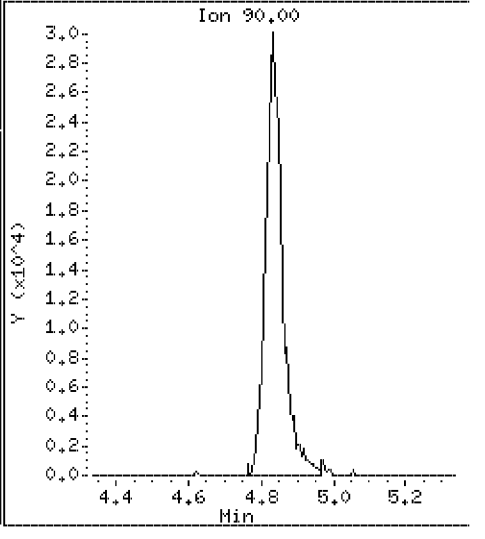












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

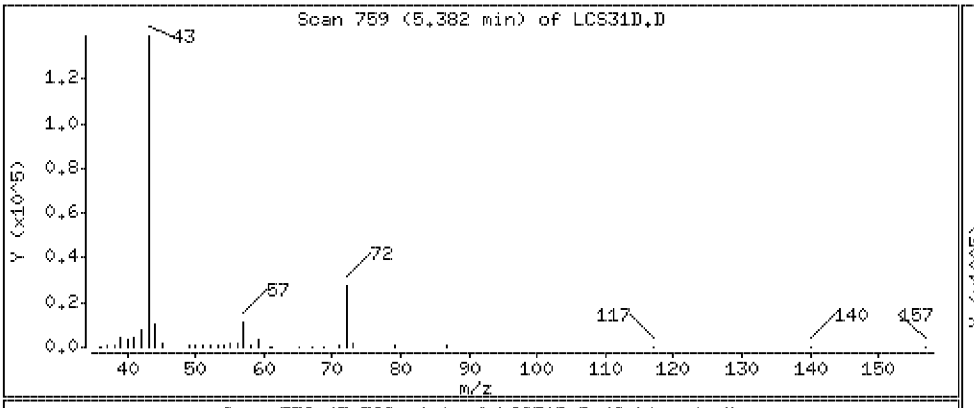
Operator:

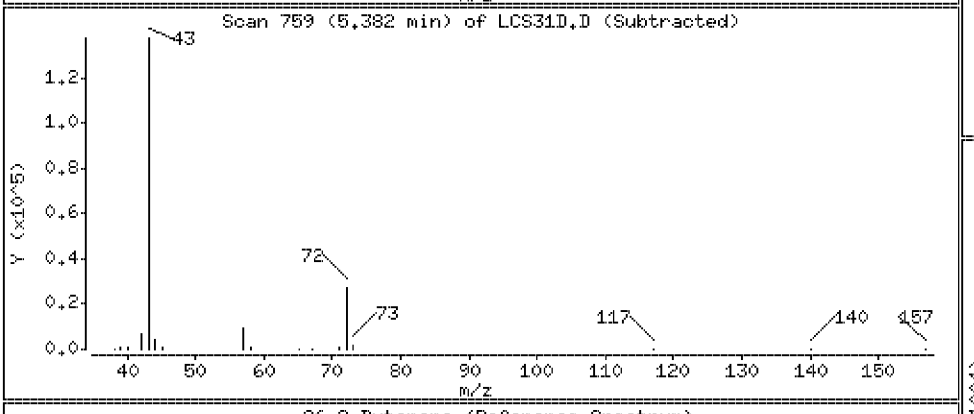
Column phase: DB-624

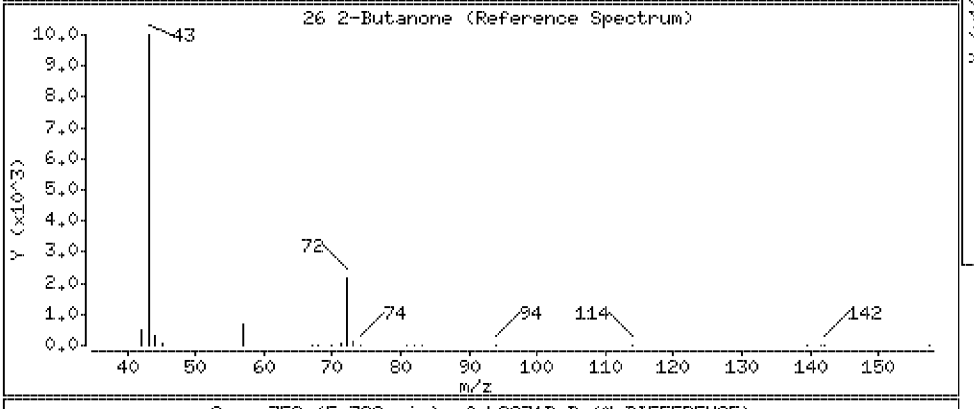
Column diameter: 0.18

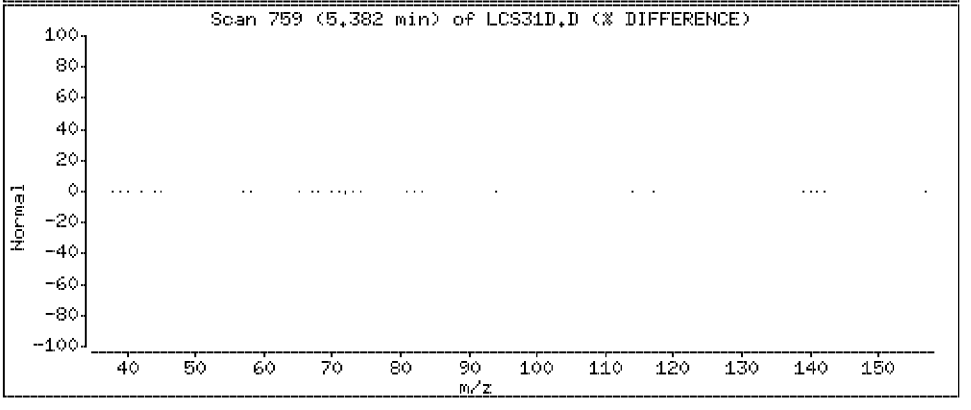
26 2-Butanone

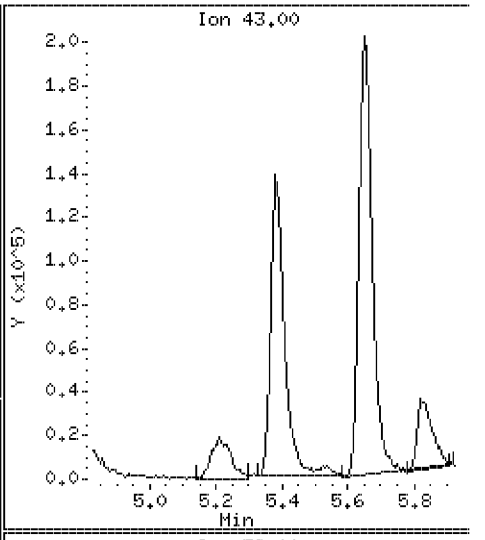
Concentration: 44.8 ug/l

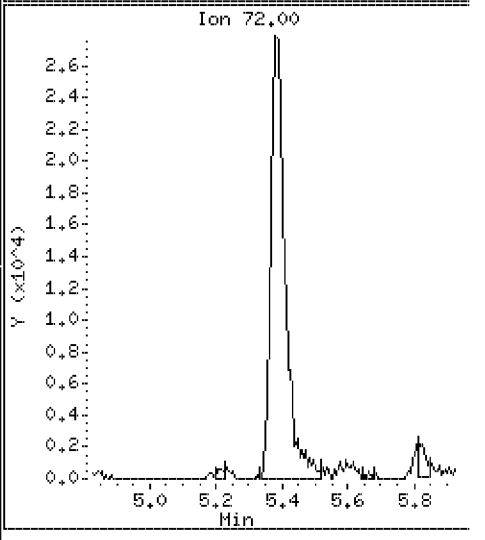












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

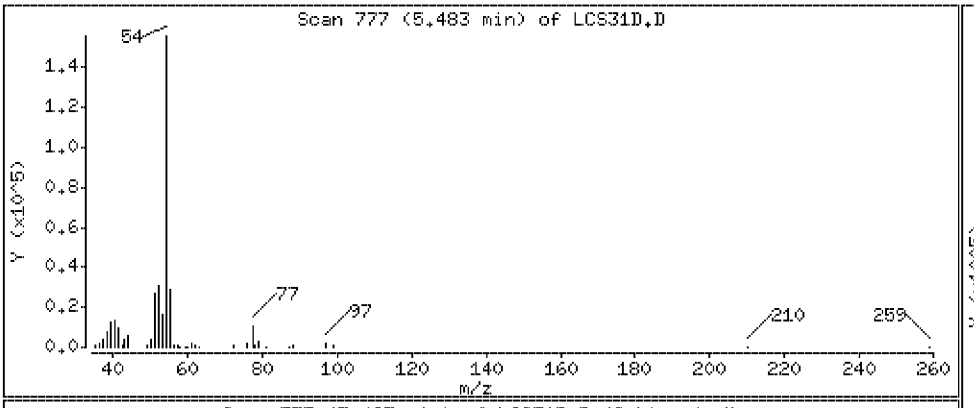
Operator:

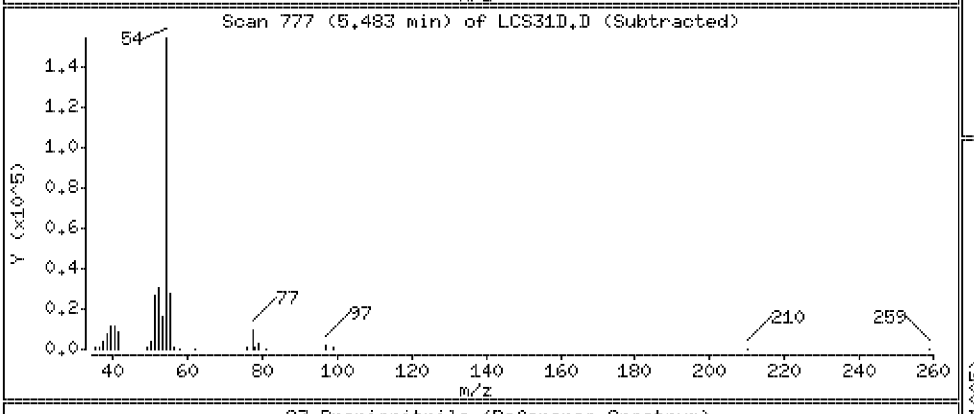
Column phase: DB-624

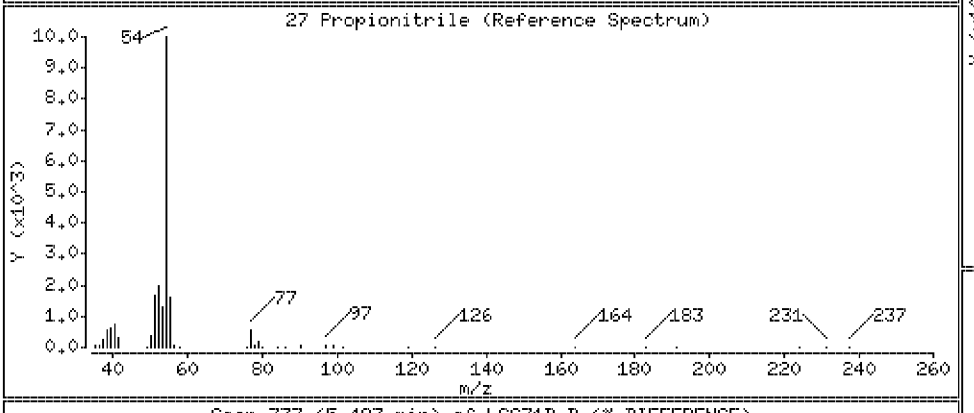
Column diameter: 0.18

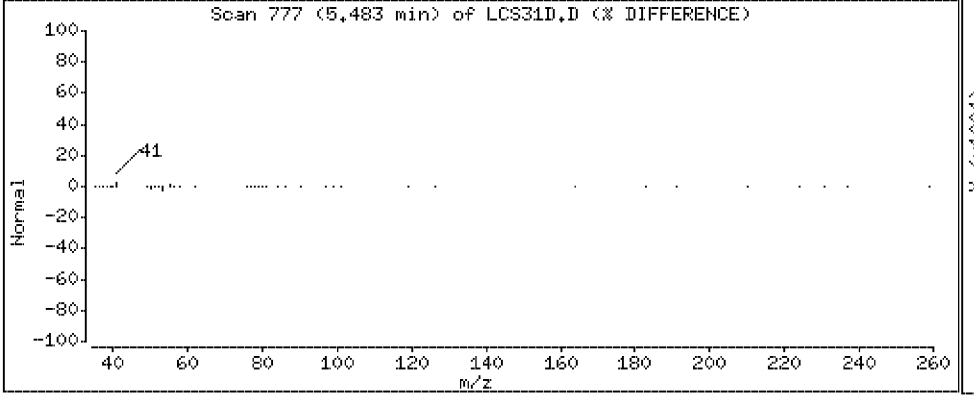
27 Propionitrile

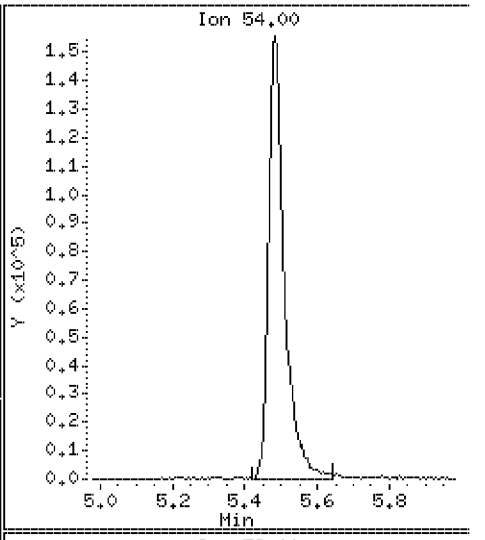
Concentration: 224 ug/l

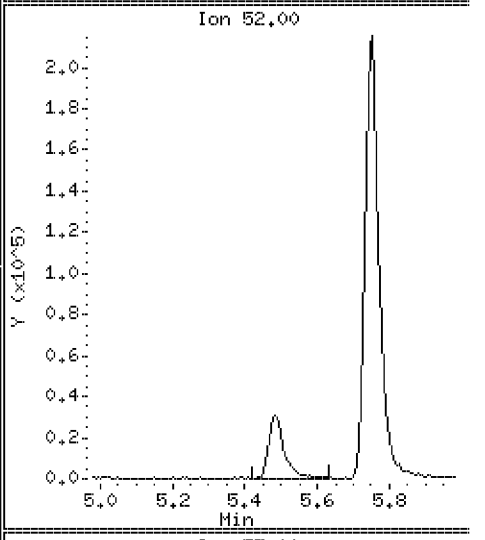


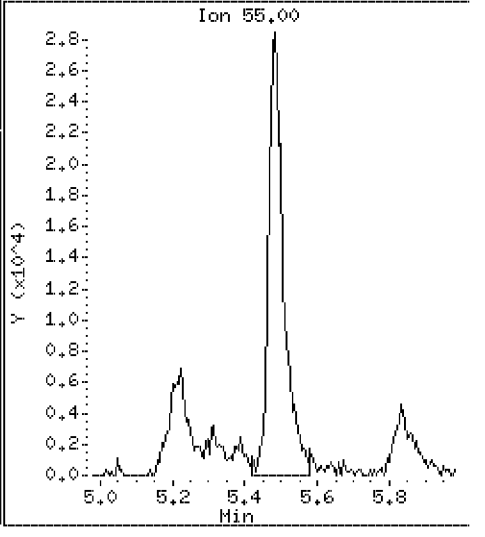












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

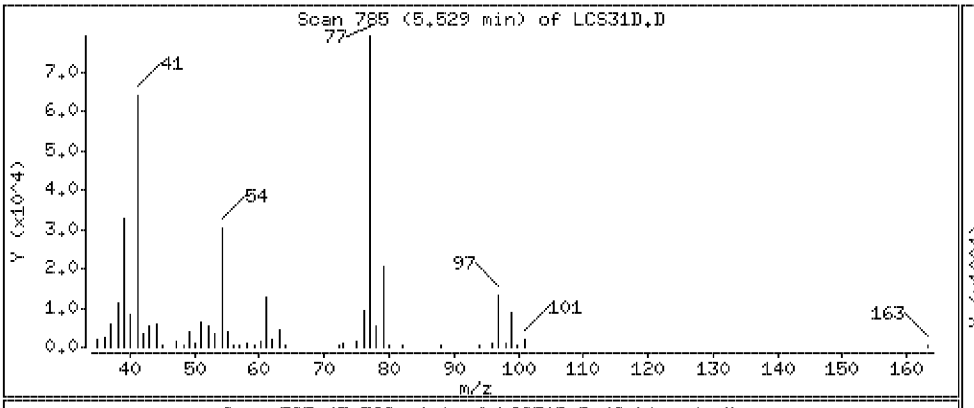
Operator:

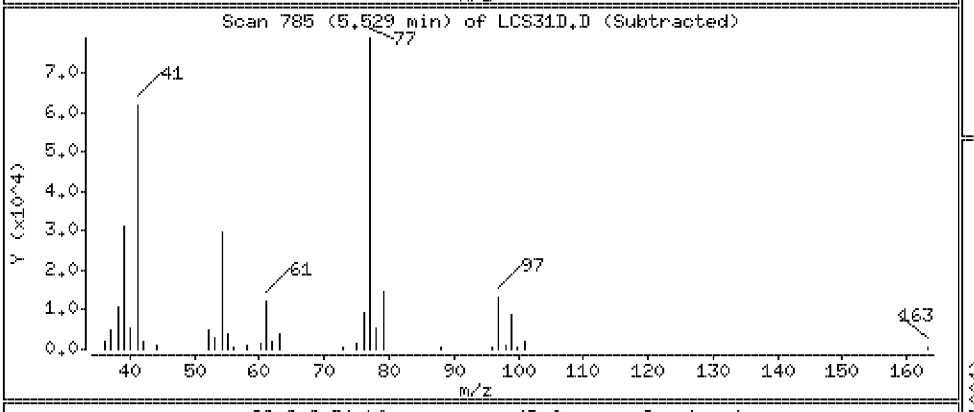
Column phase: DB-624

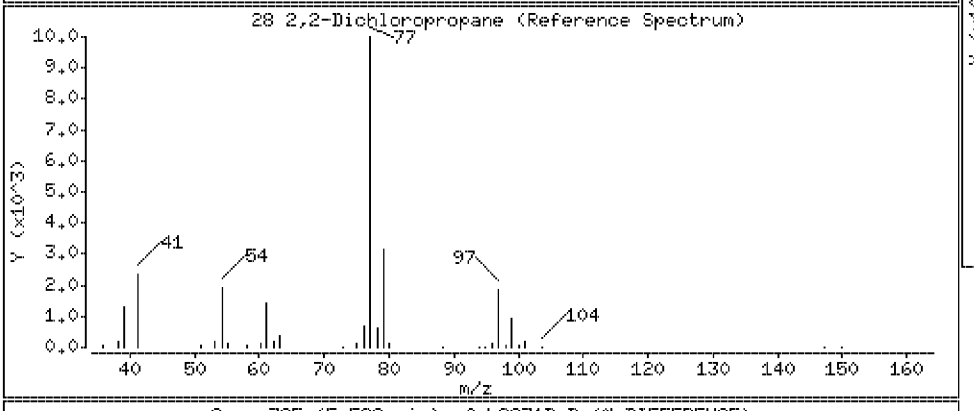
Column diameter: 0.18

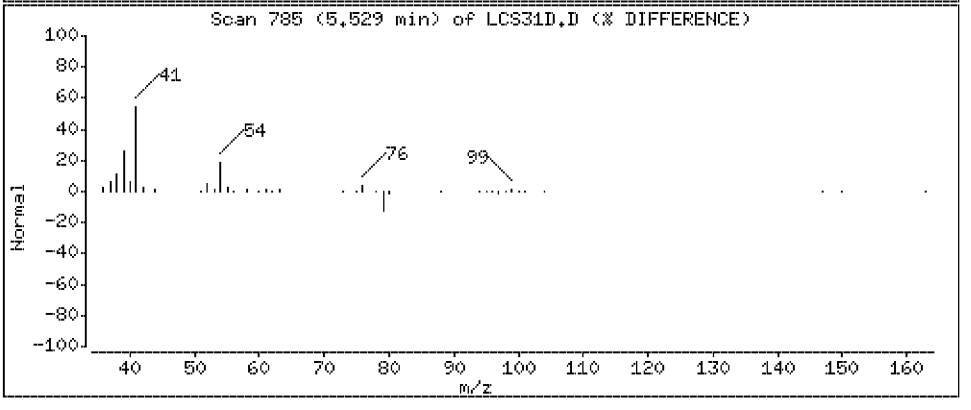
28 2,2-Dichloropropane

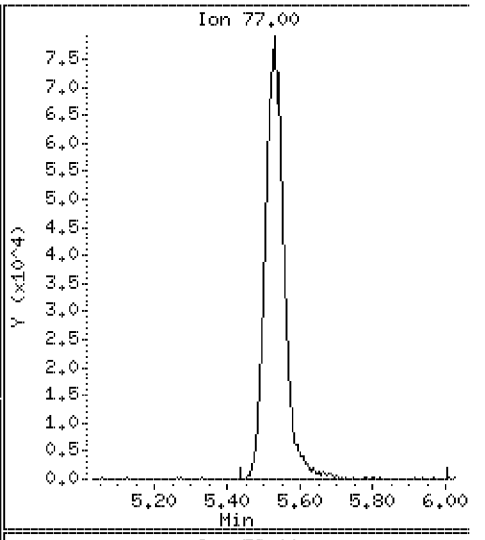
Concentration: 18.3 ug/l

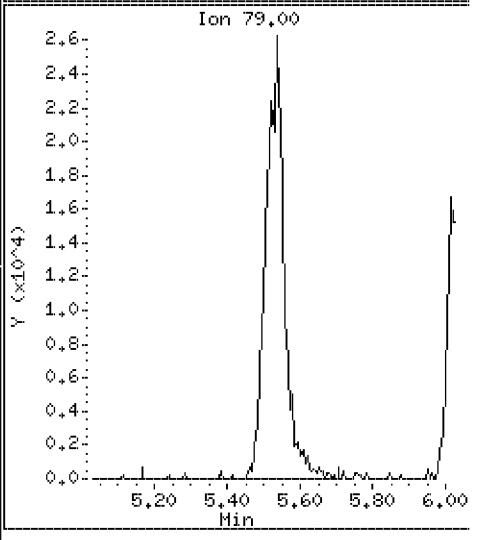












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

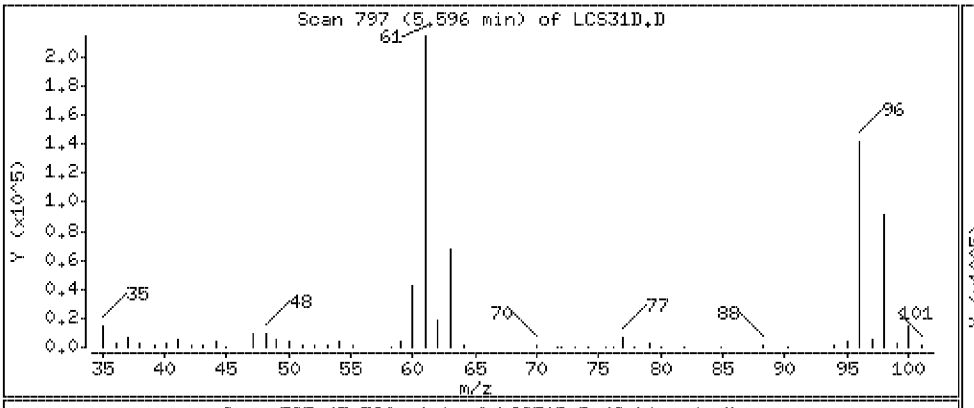
Operator:

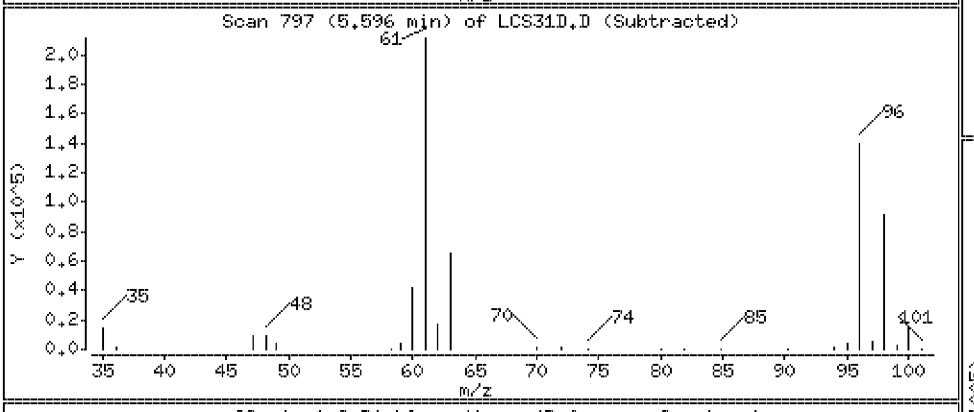
Column phase: DB-624

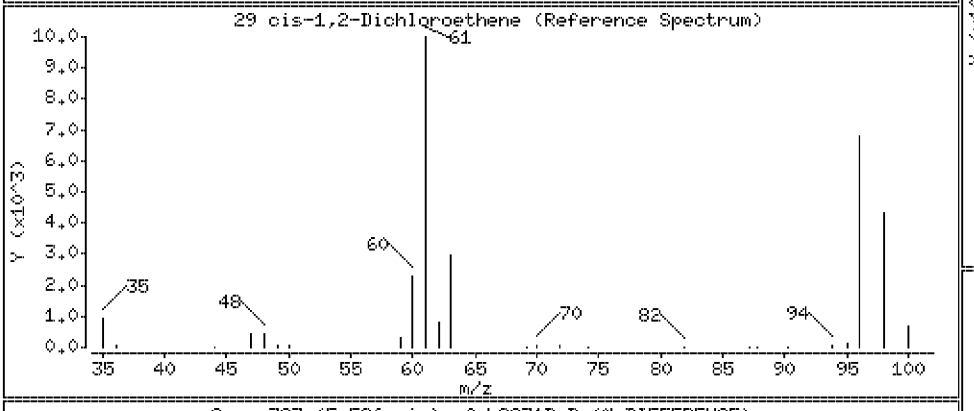
Column diameter: 0.18

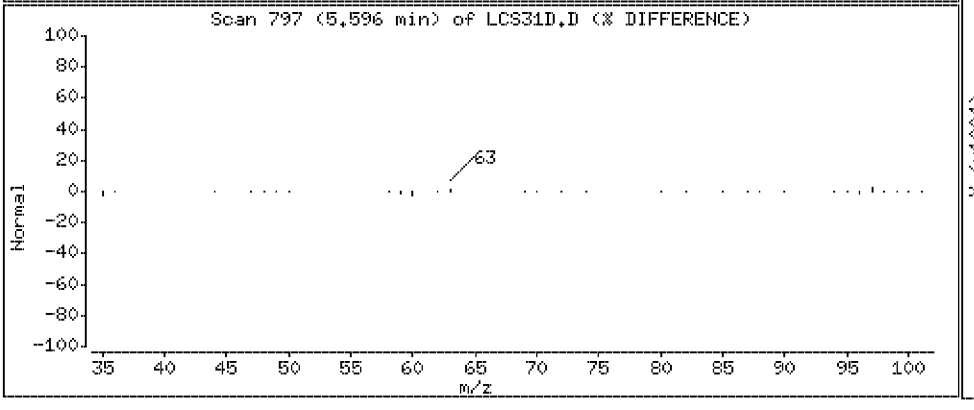
29 cis-1,2-Dichloroethene

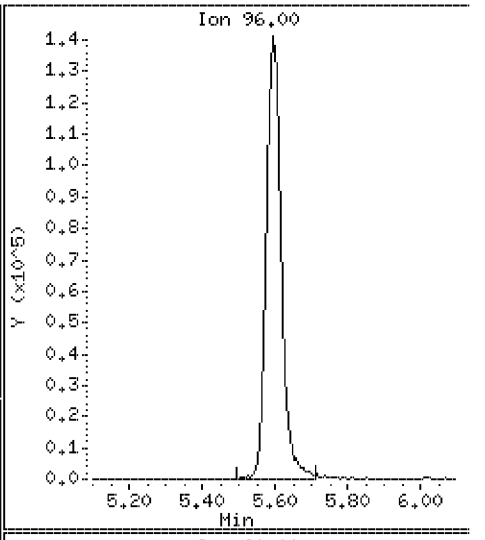
Concentration: 20.0 ug/l

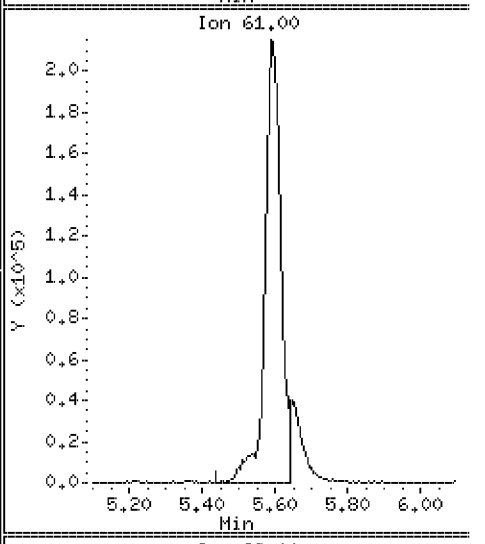


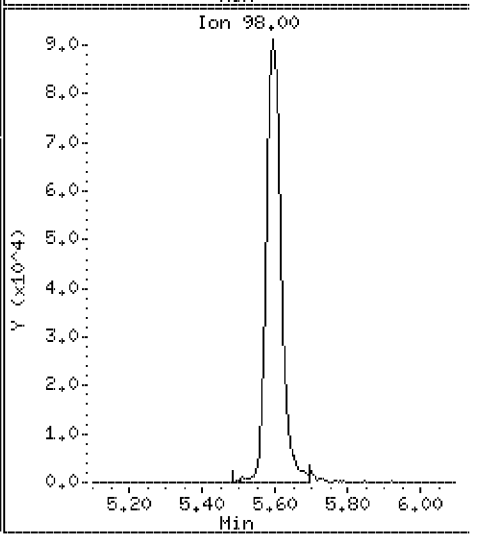












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

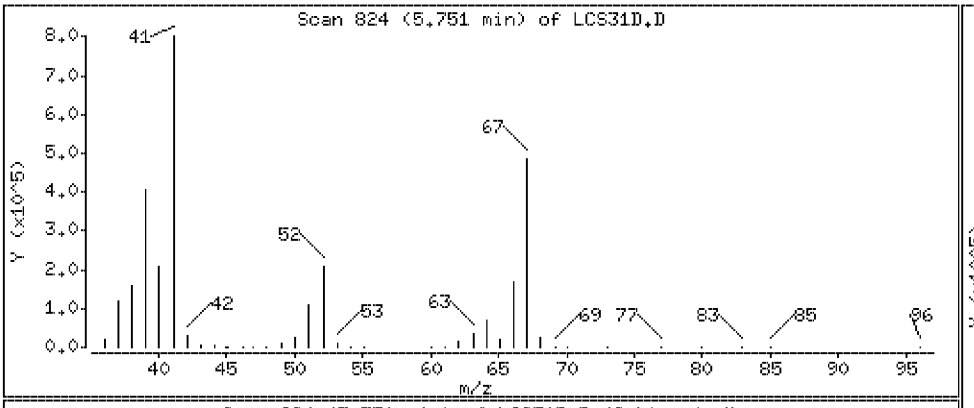
Operator:

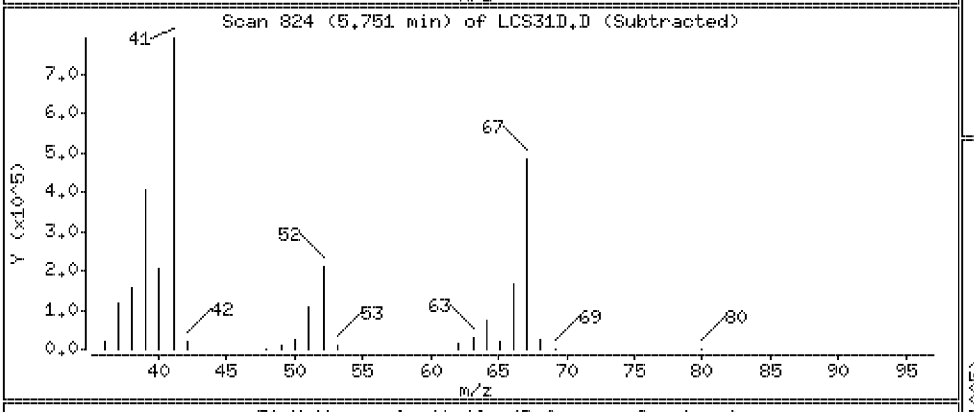
Column phase: DB-624

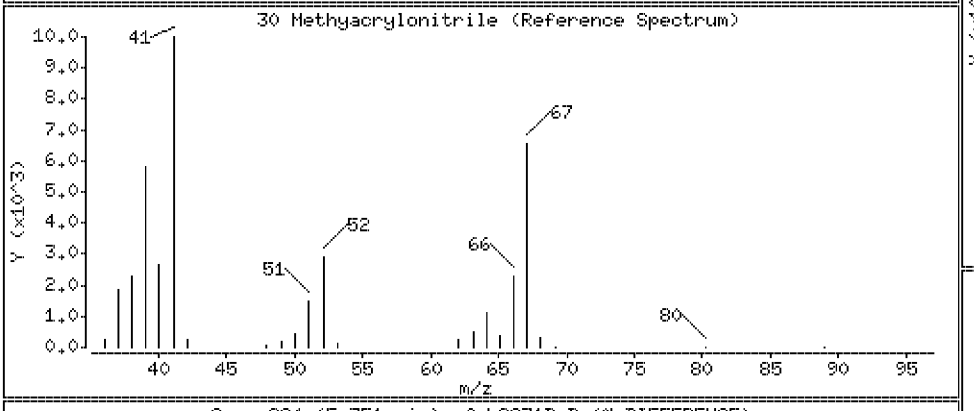
Column diameter: 0.18

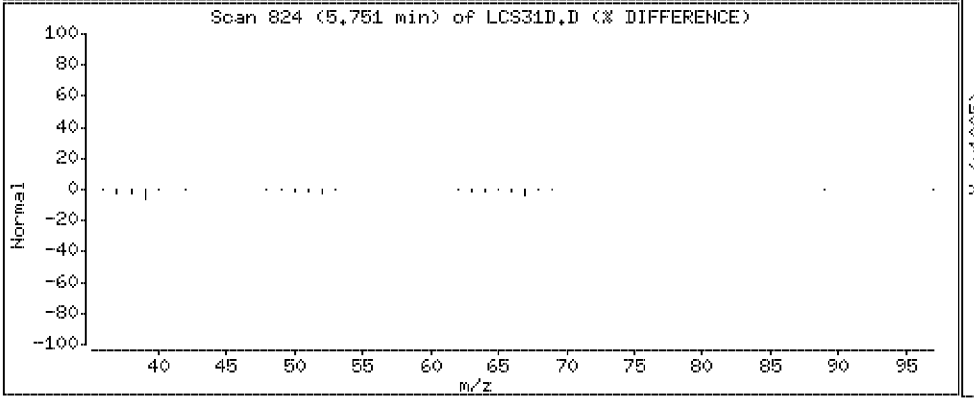
30 Methyacrylonitrile

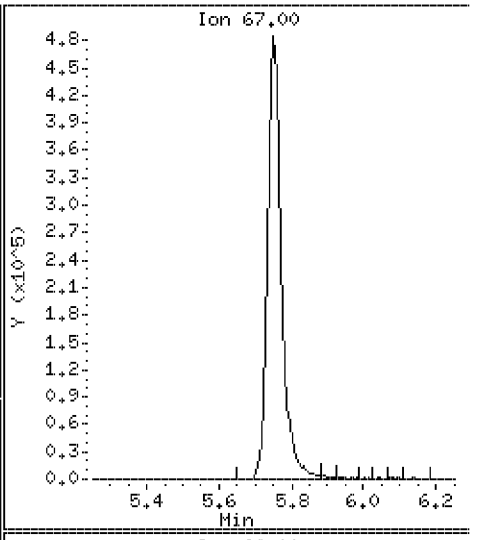
Concentration: 197 ug/l

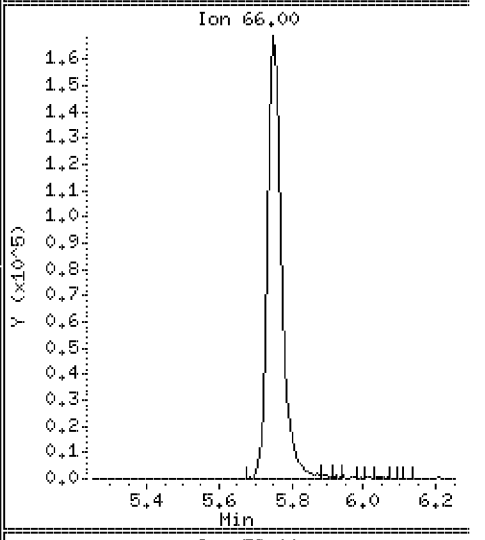


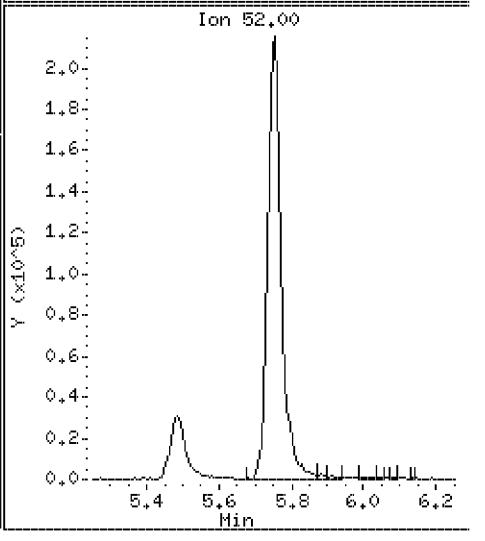












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

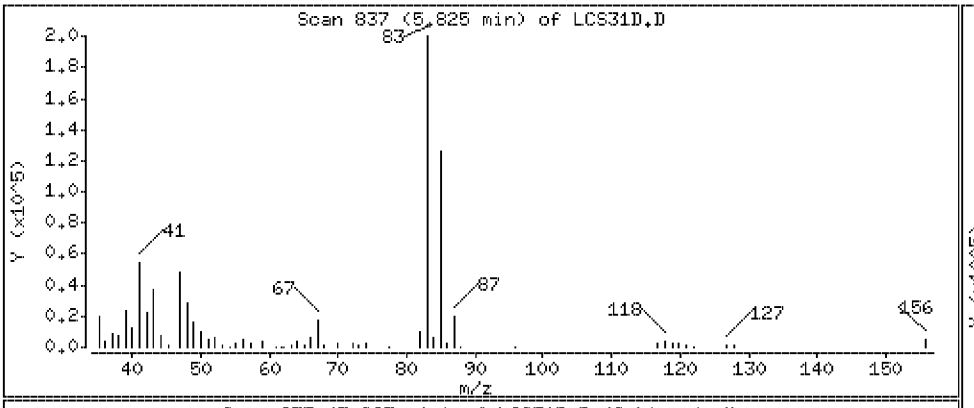
Operator:

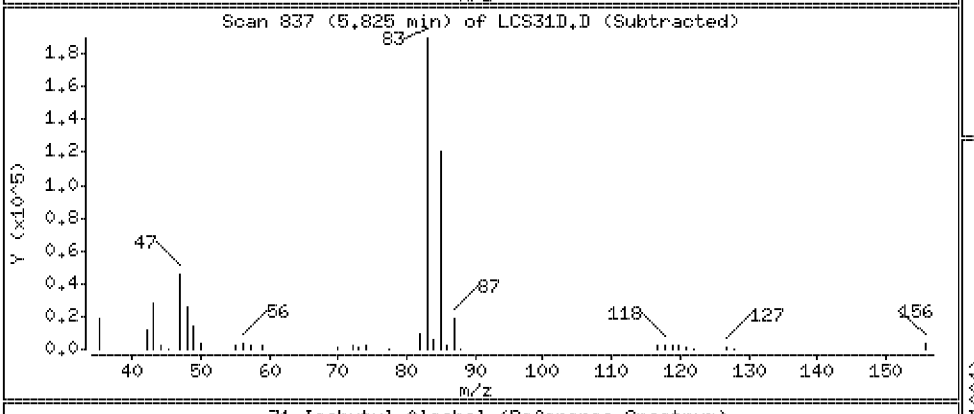
Column phase: DB-624

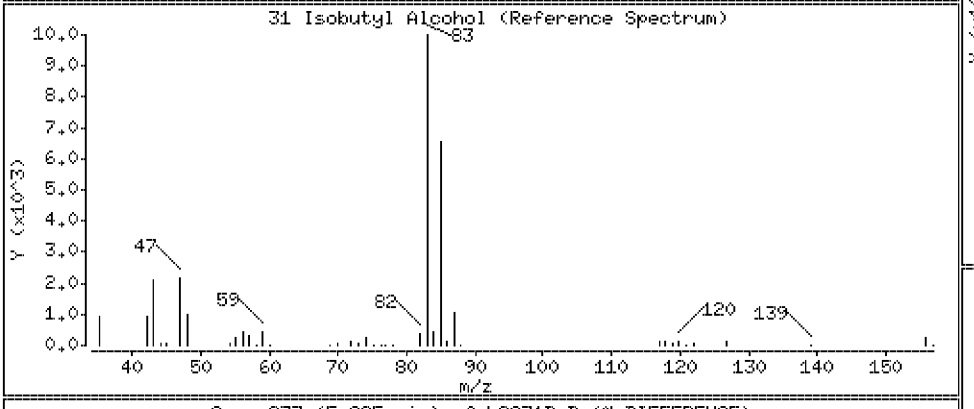
Column diameter: 0.18

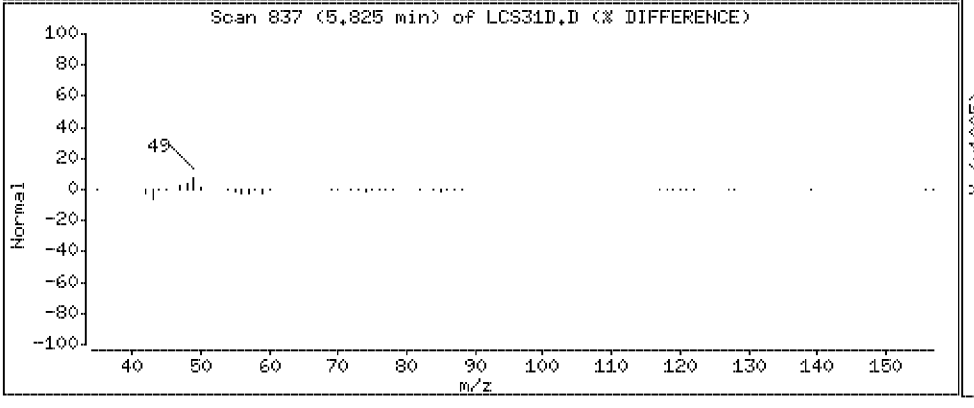
31 Isobutyl Alcohol

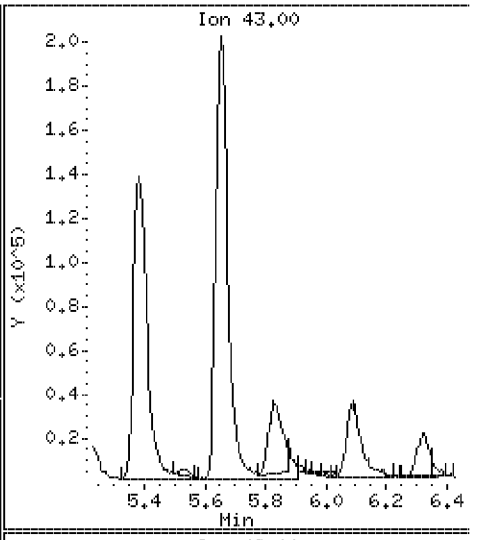
Concentration: 298 ug/l

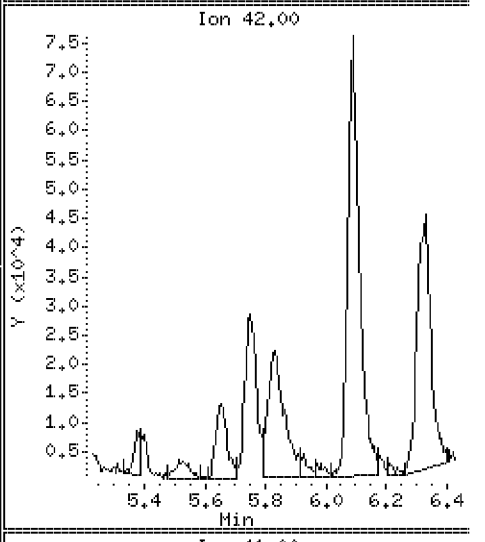


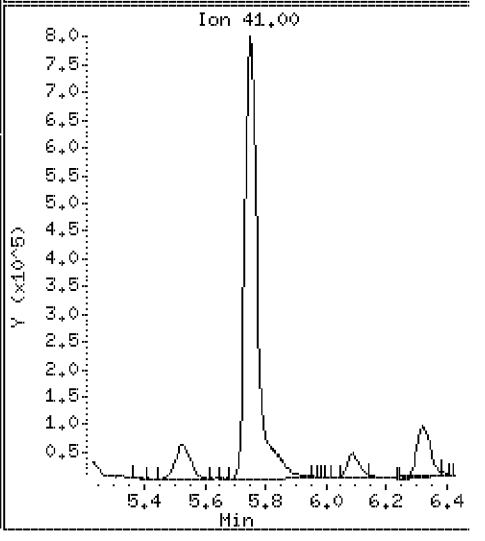












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

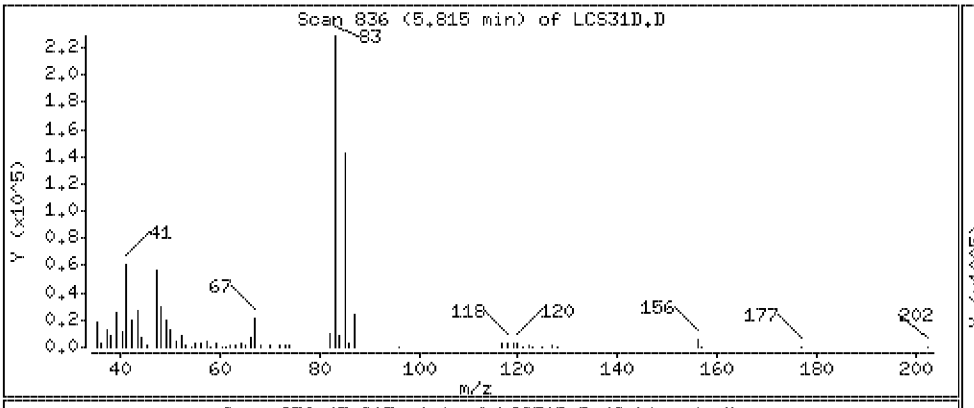
Operator:

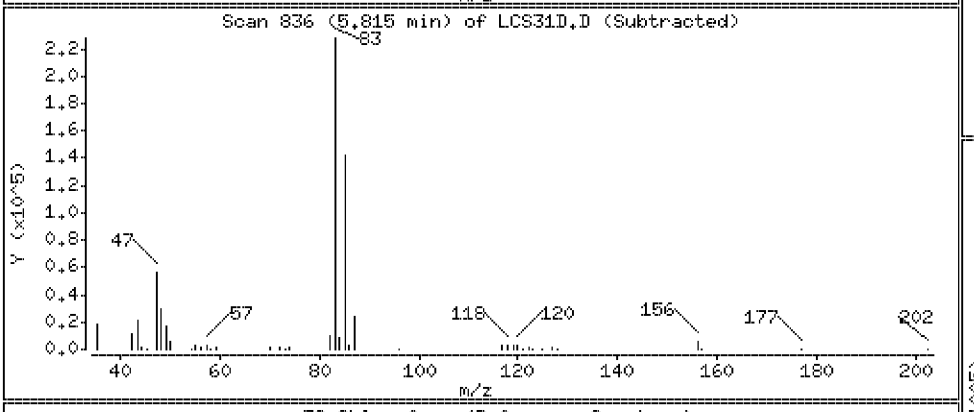
Column phase: DB-624

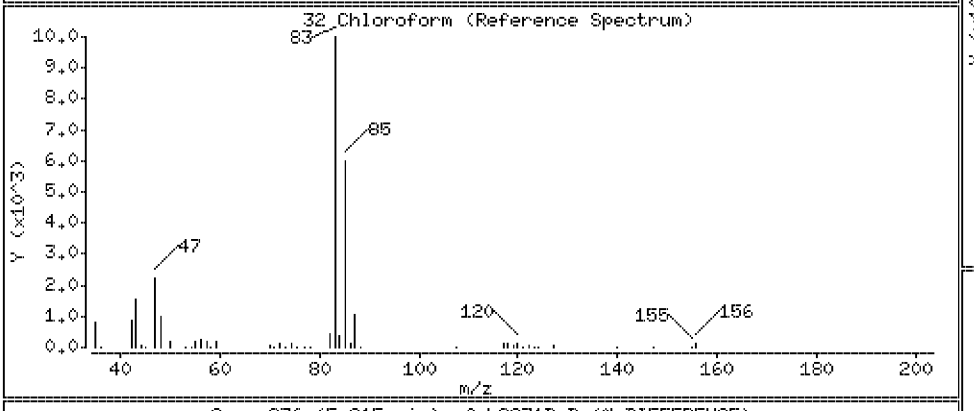
Column diameter: 0.18

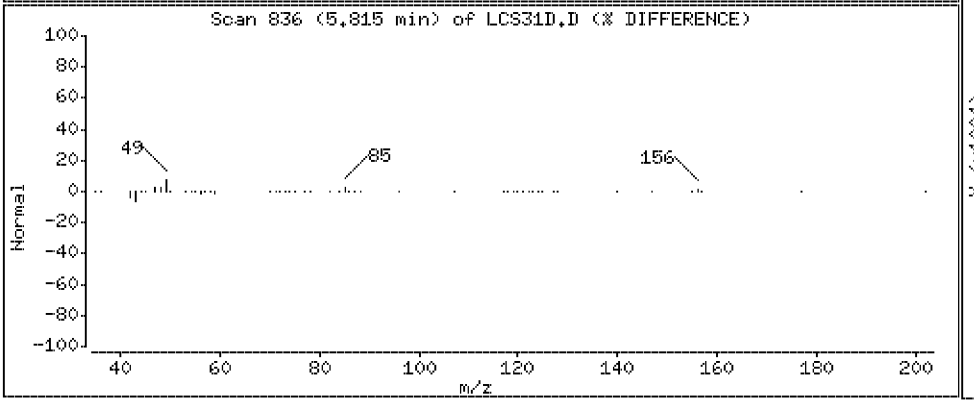
32 Chloroform

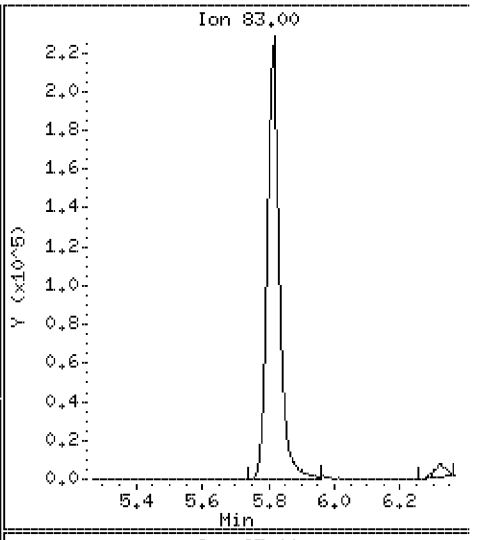
Concentration: 20.3 ug/l

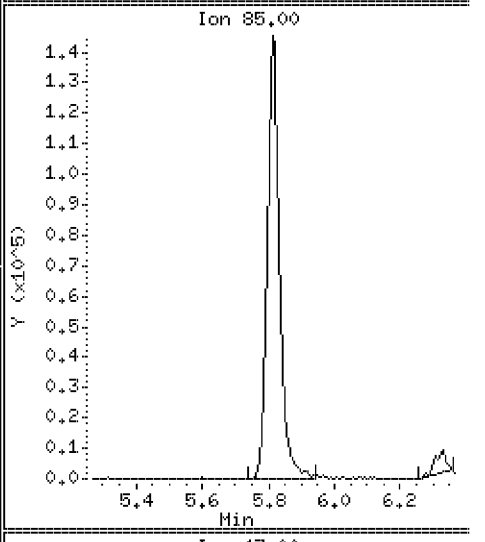


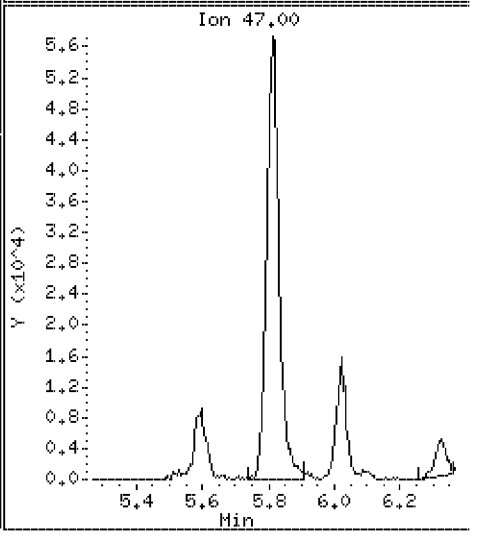












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

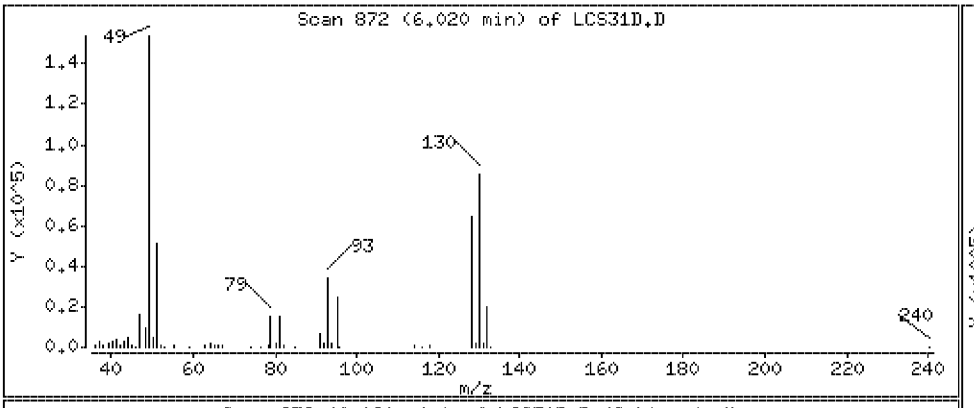
Operator:

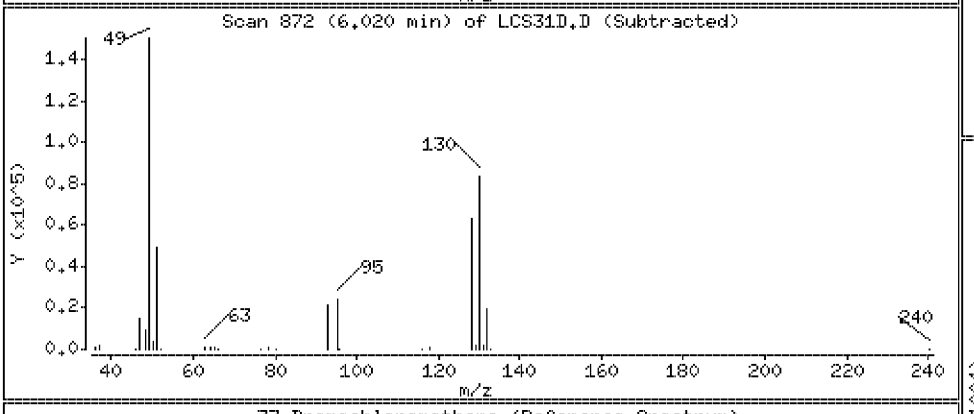
Column phase: DB-624

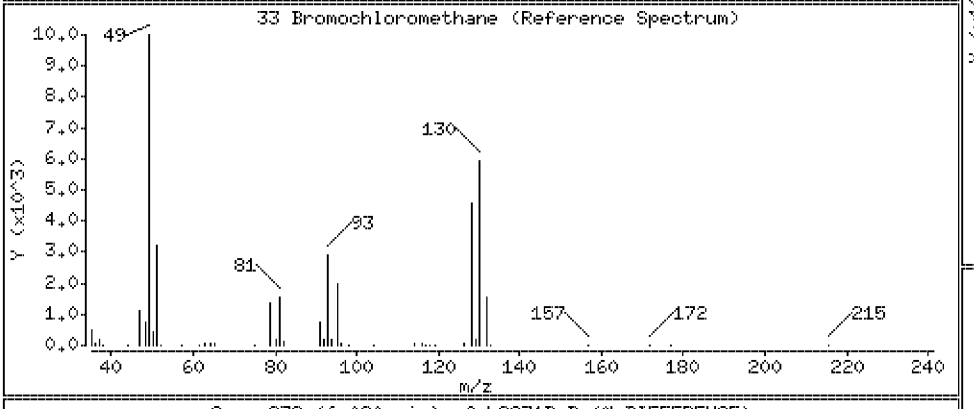
Column diameter: 0.18

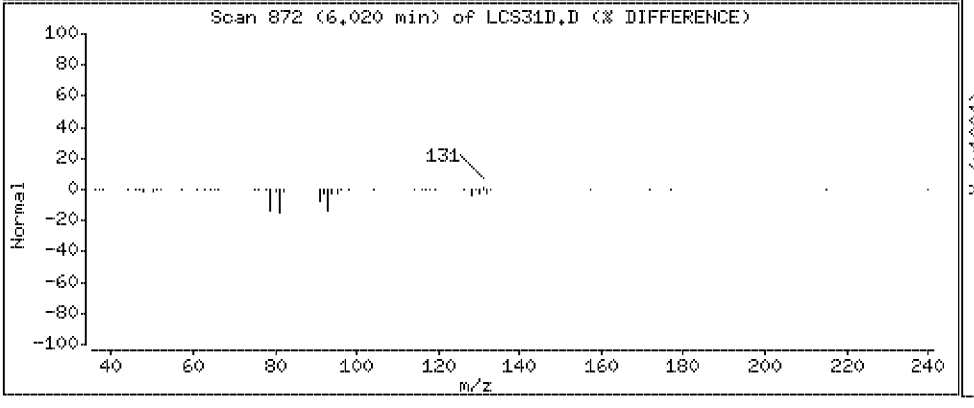
33 Bromochloromethane

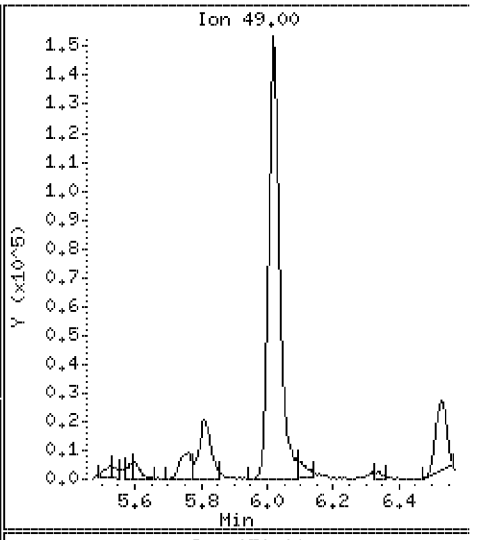
Concentration: 20.5 ug/l

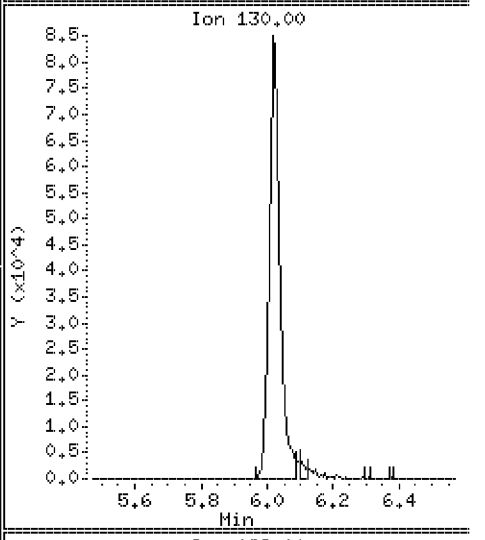


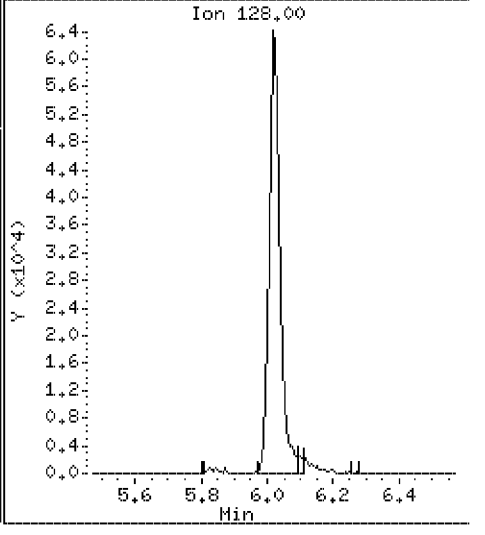












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

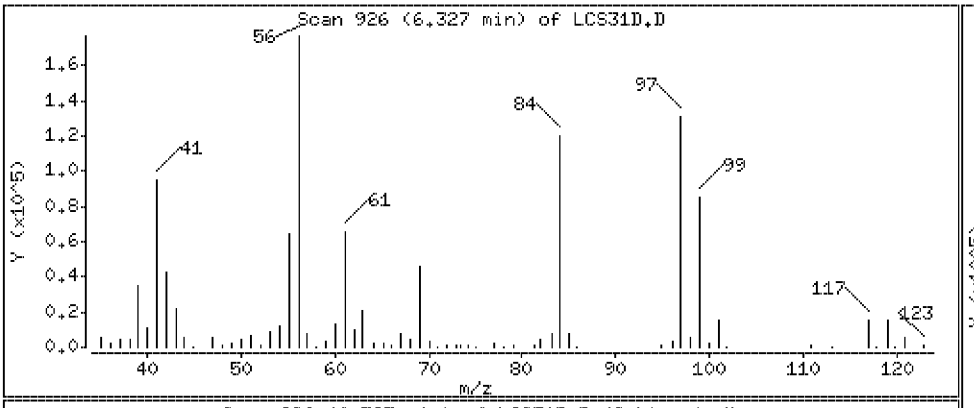
Operator:

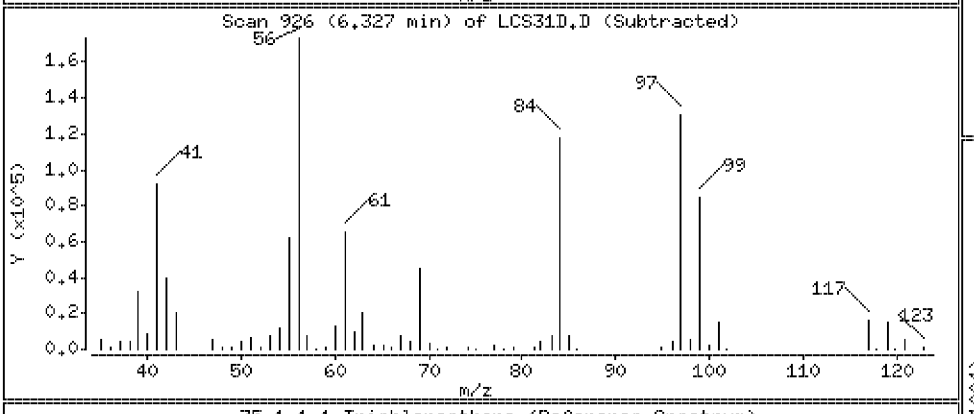
Column phase: DB-624

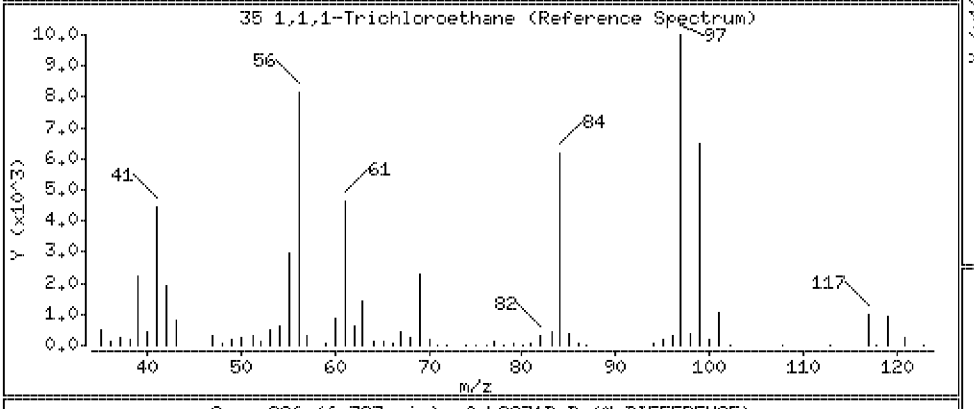
Column diameter: 0.18

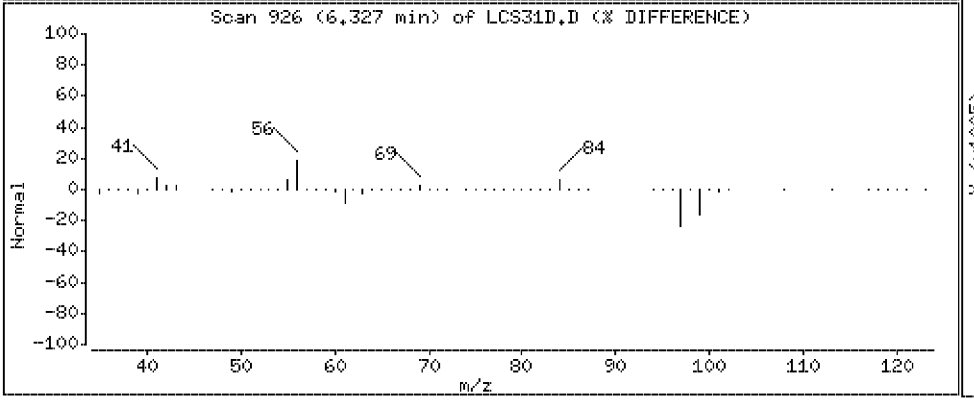
35 1,1,1-Trichloroethane

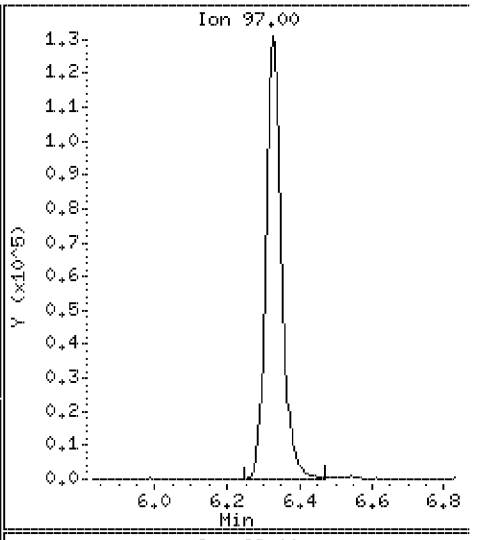
Concentration: 20.2 ug/l

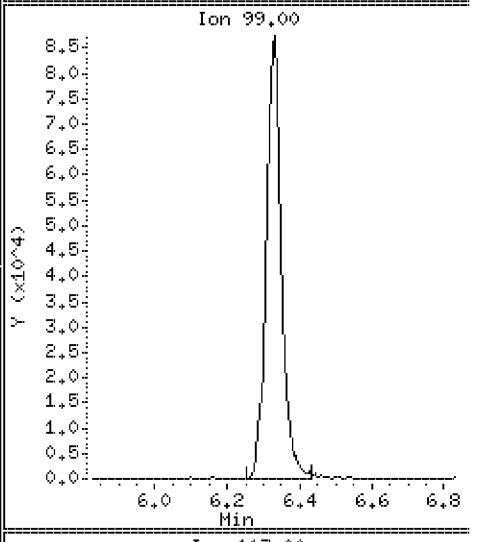


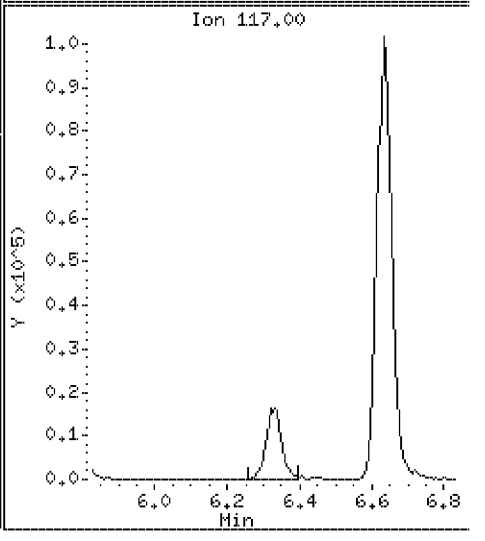












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

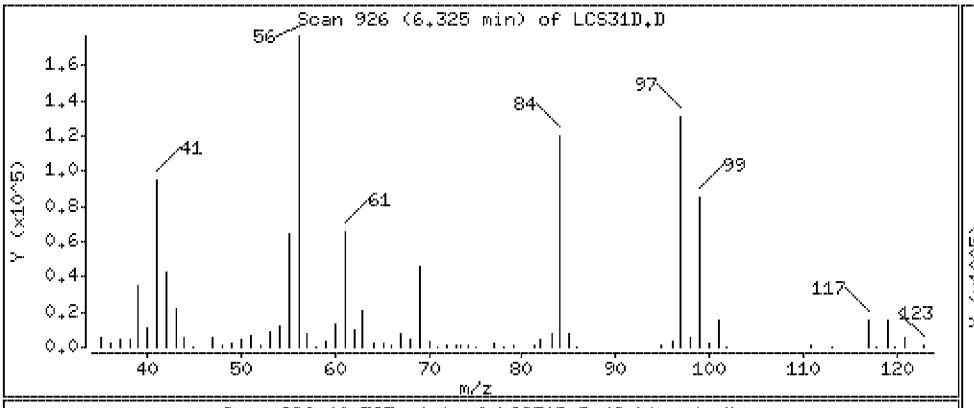
Operator:

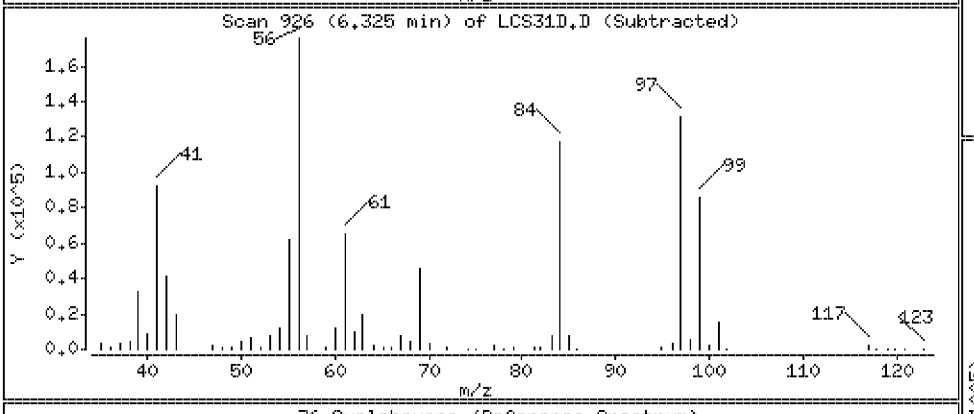
Column phase: DB-624

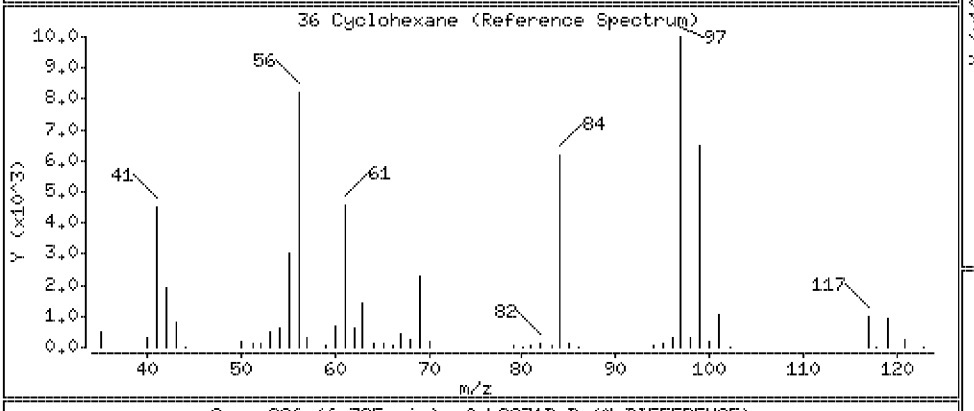
Column diameter: 0.18

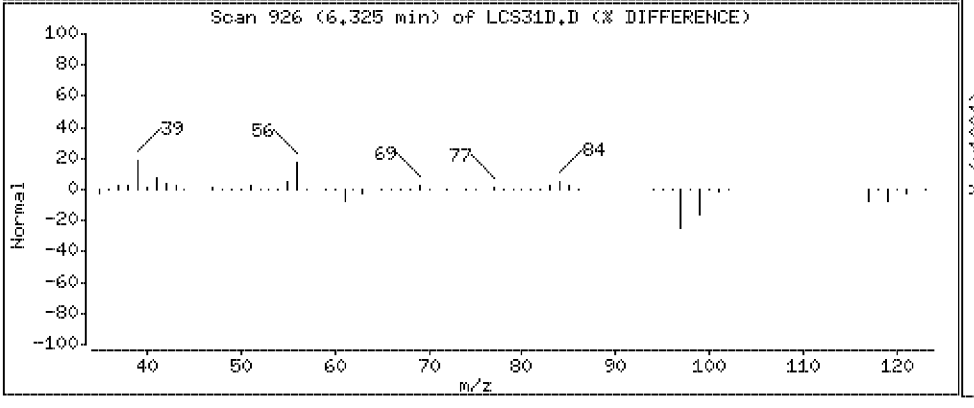
36 Cyclohexane

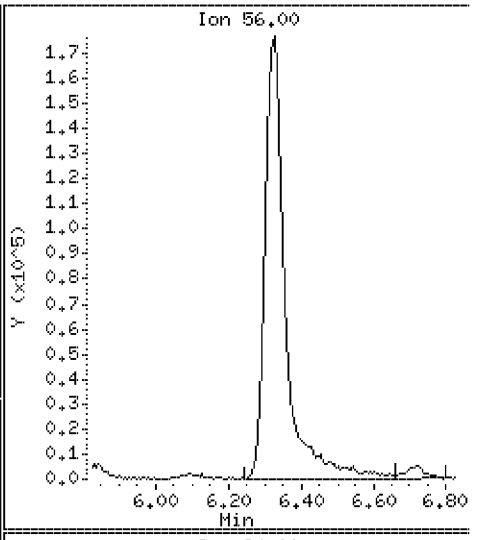
Concentration: 21.8 ug/l

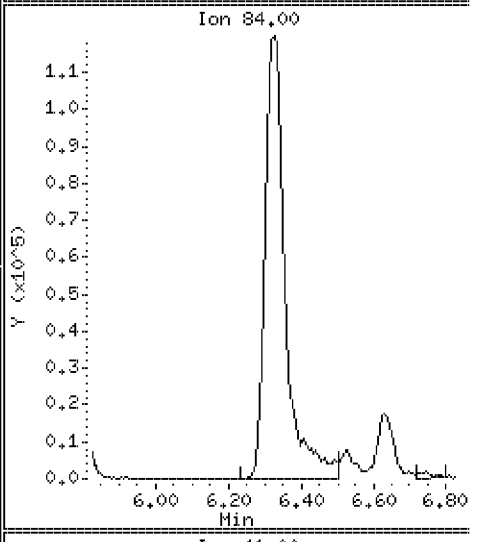


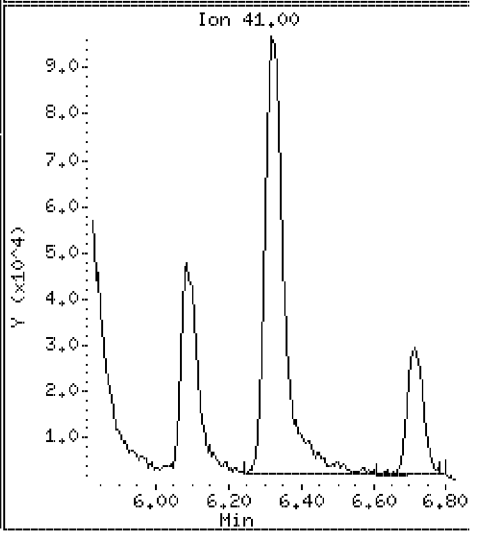












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

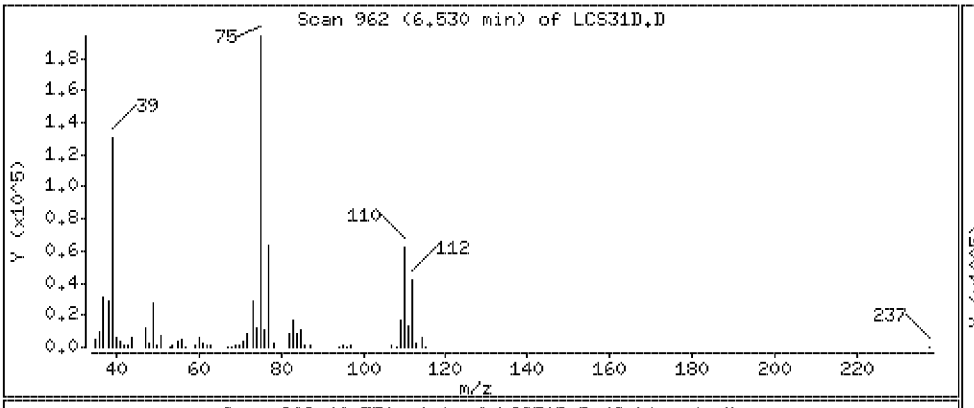
Operator:

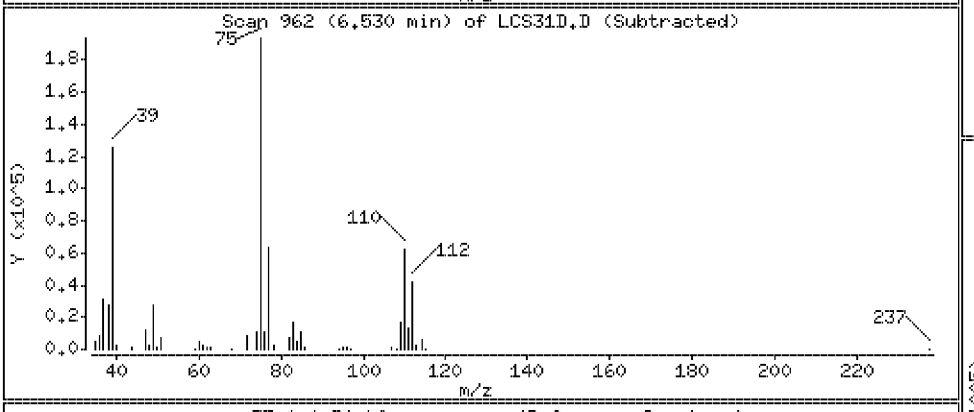
Column phase: DB-624

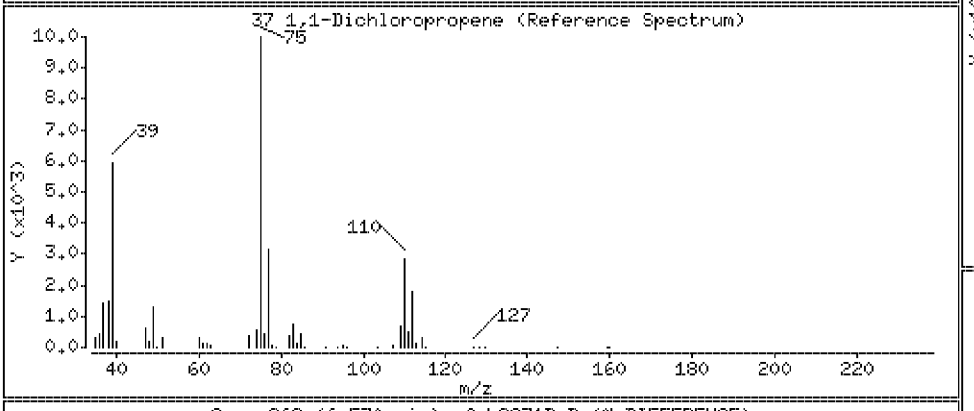
Column diameter: 0.18

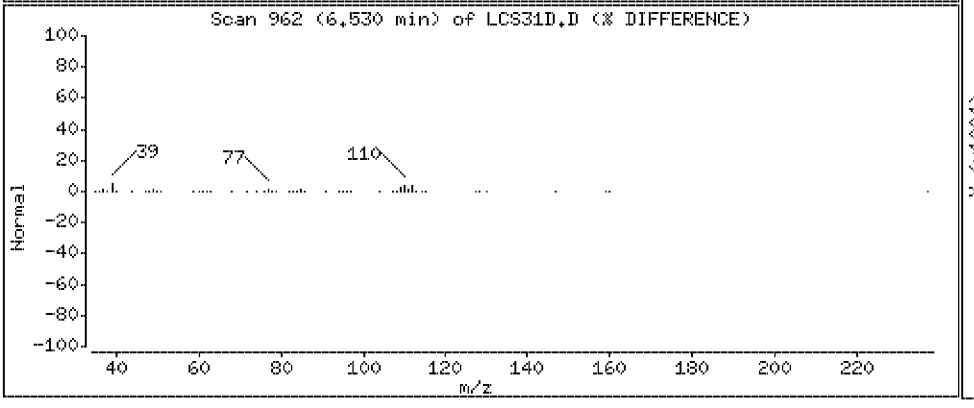
37 1,1-Dichloropropene

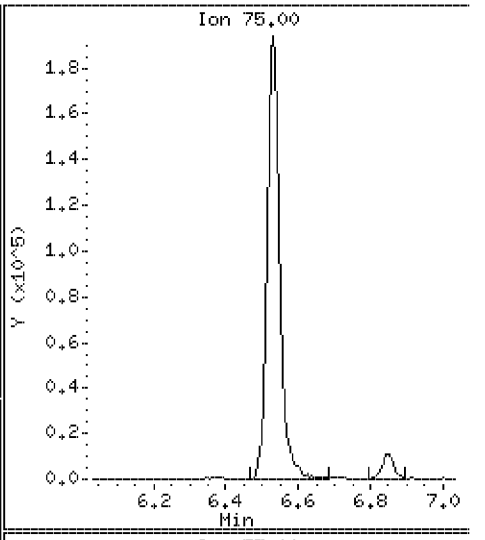
Concentration: 20.8 ug/l

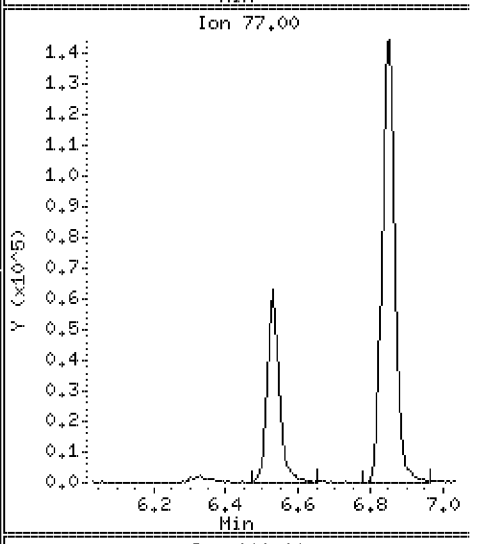


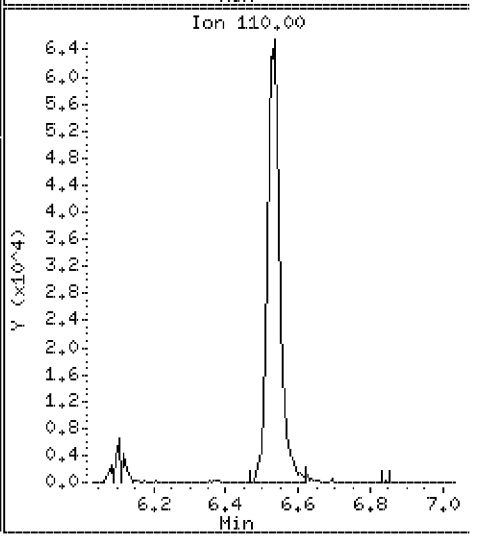












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

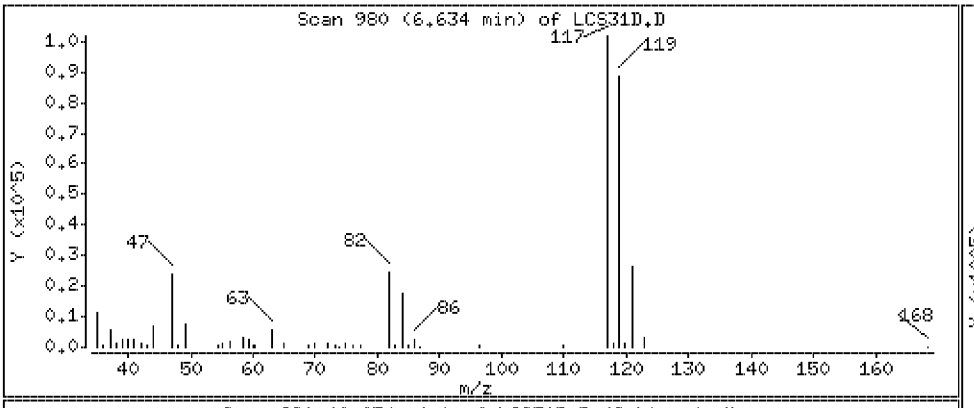
Operator:

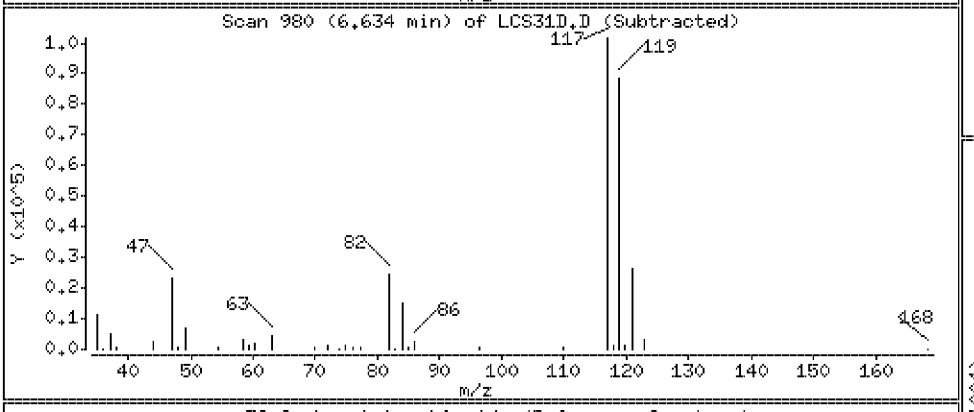
Column phase: DB-624

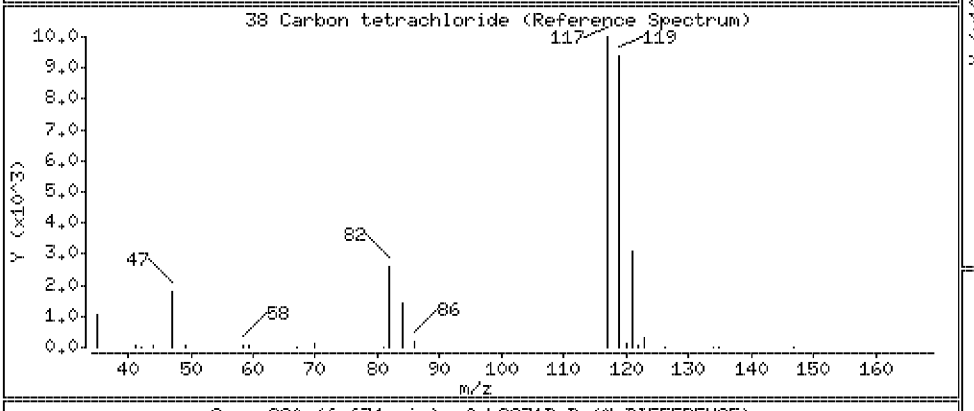
Column diameter: 0.18

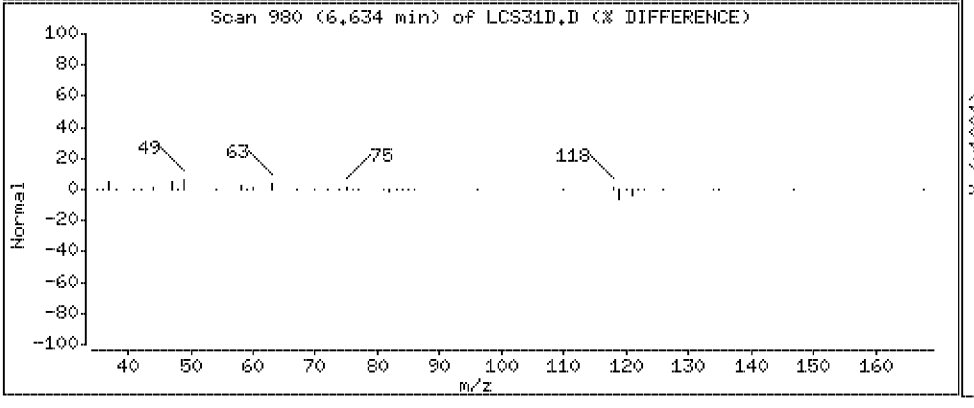
38 Carbon tetrachloride

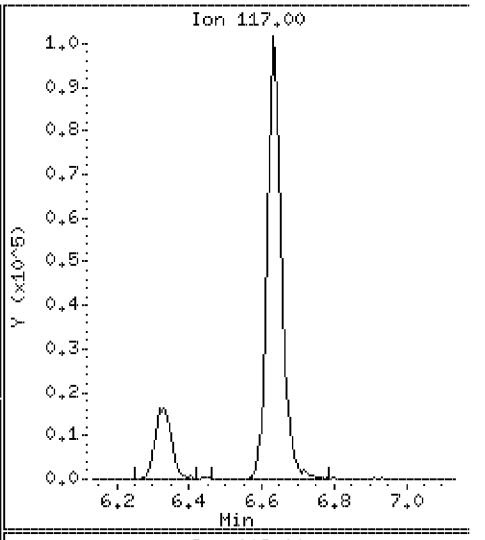
Concentration: 19.7 ug/l

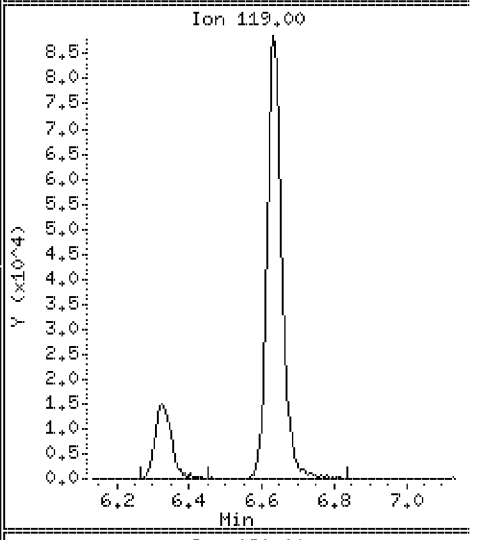


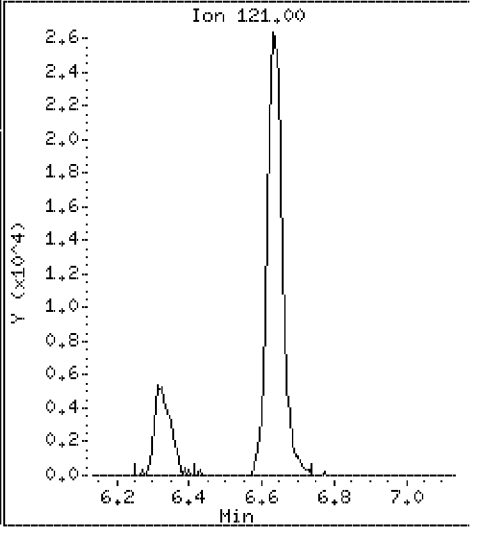












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

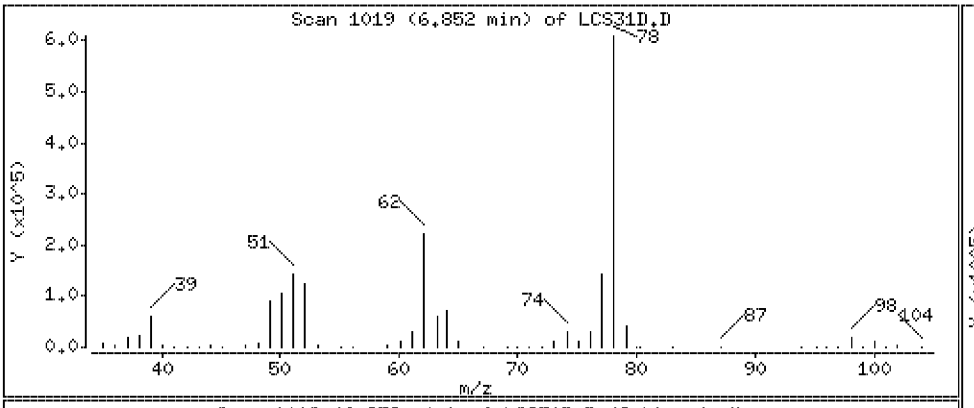
Operator:

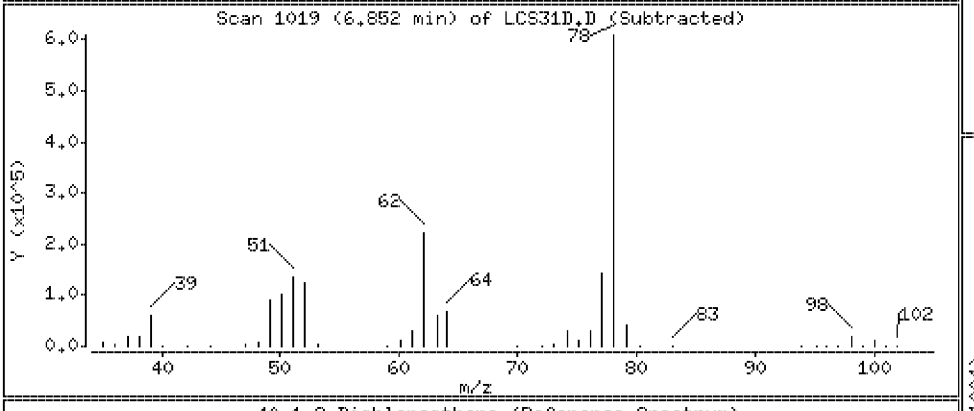
Column phase: DB-624

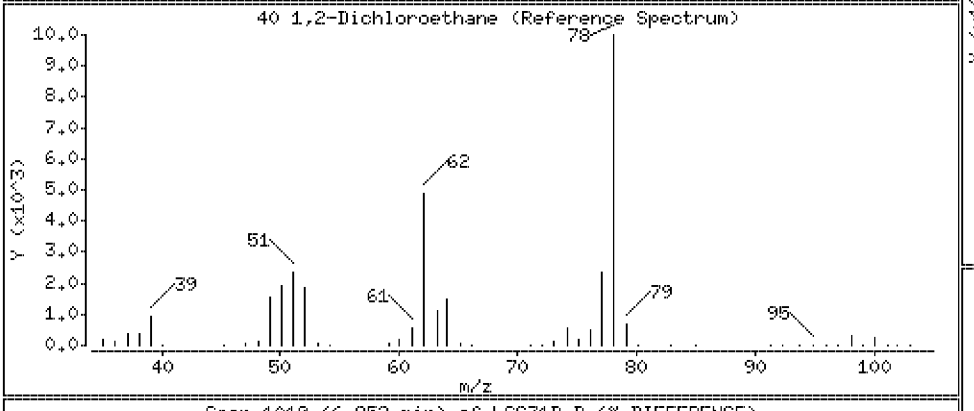
Column diameter: 0.18

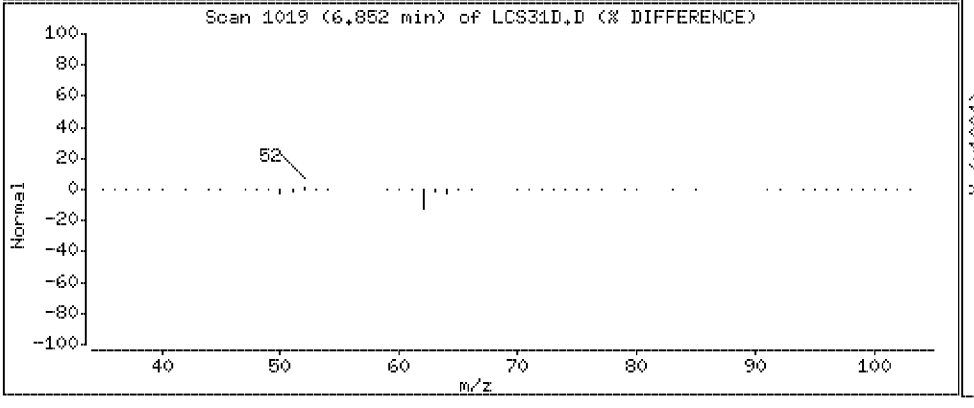
40 1,2-Dichloroethane

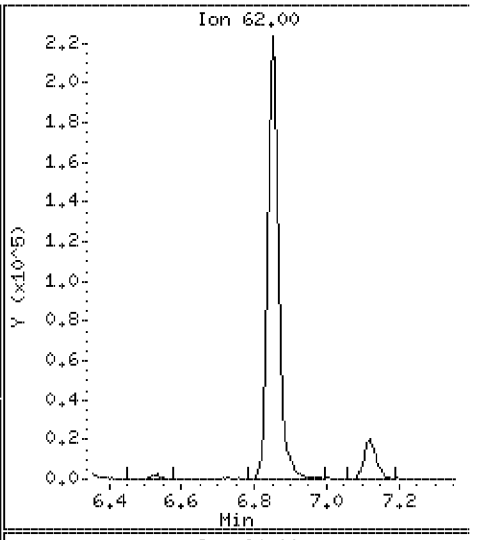
Concentration: 19.5 ug/l

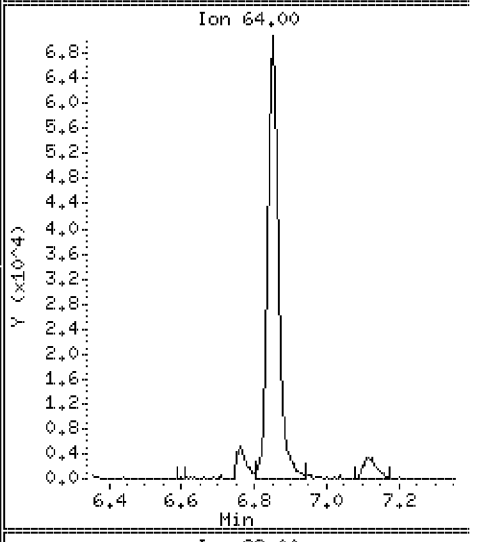


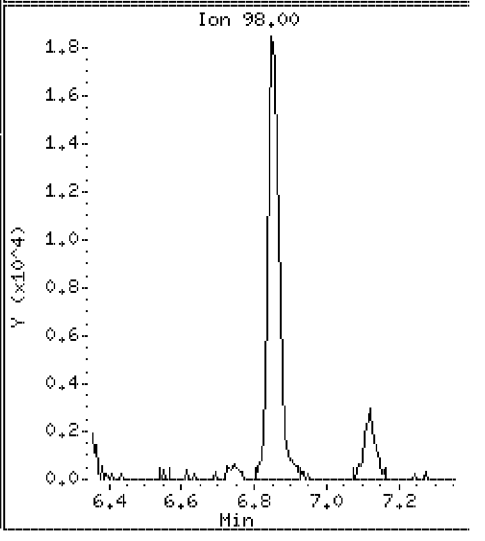












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

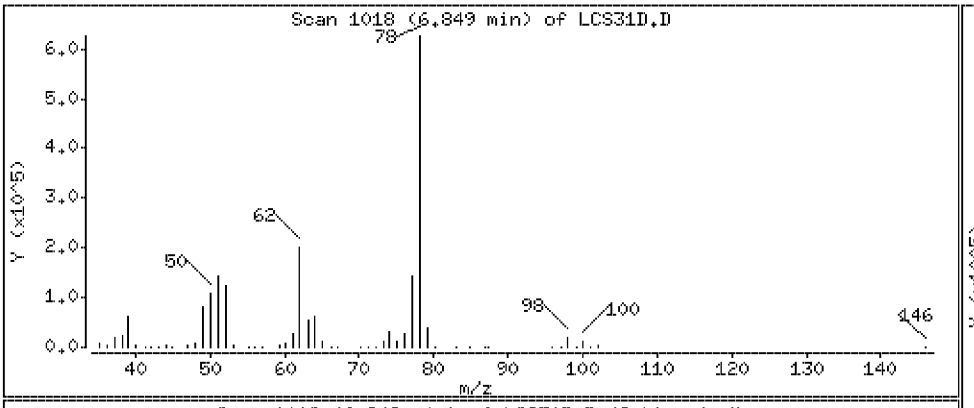
Operator:

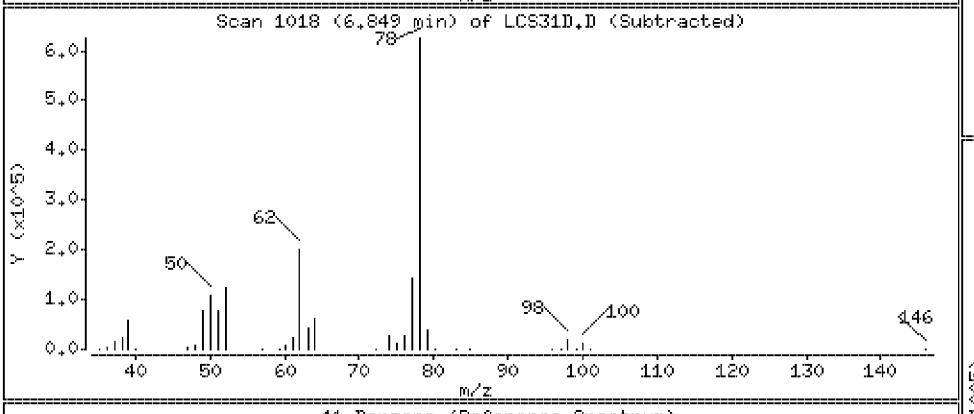
Column phase: DB-624

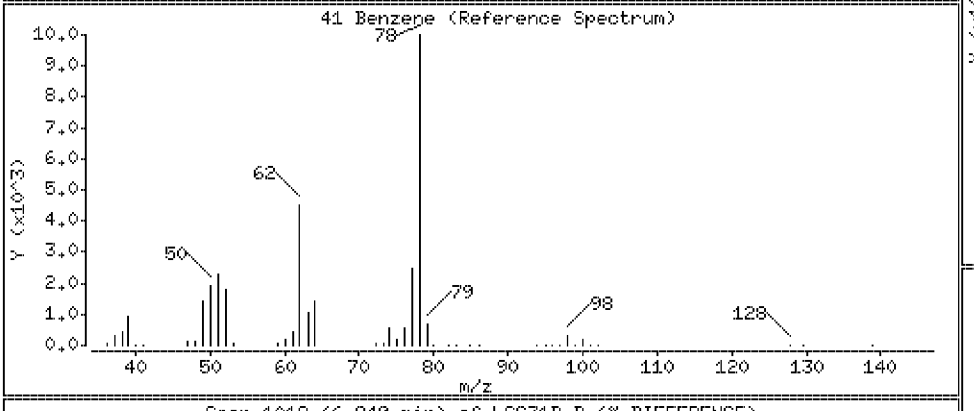
Column diameter: 0.18

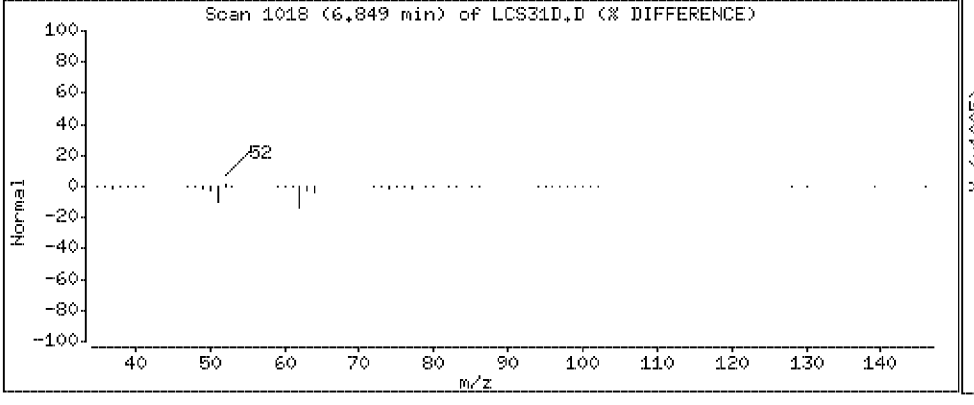
41 Benzene

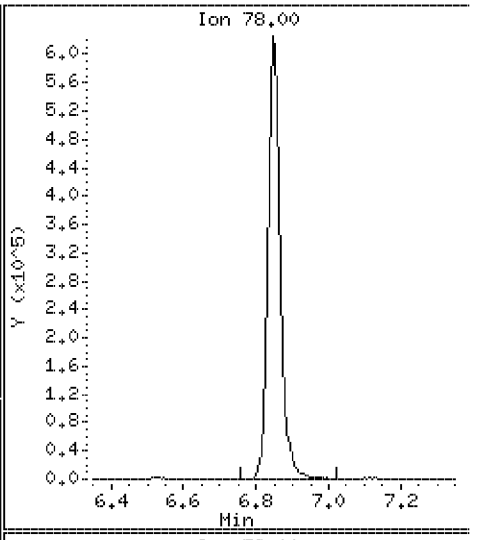
Concentration: 19.8 ug/l

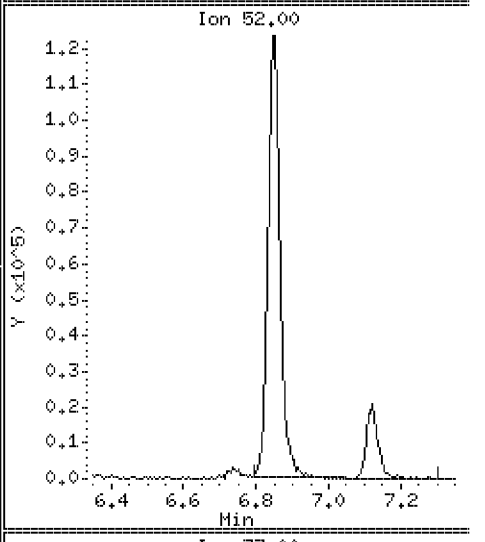


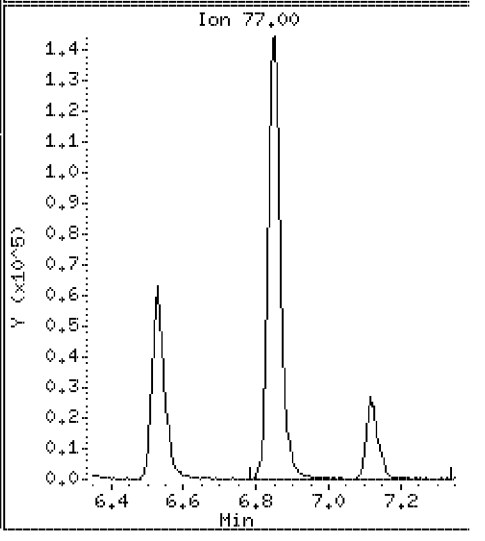












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

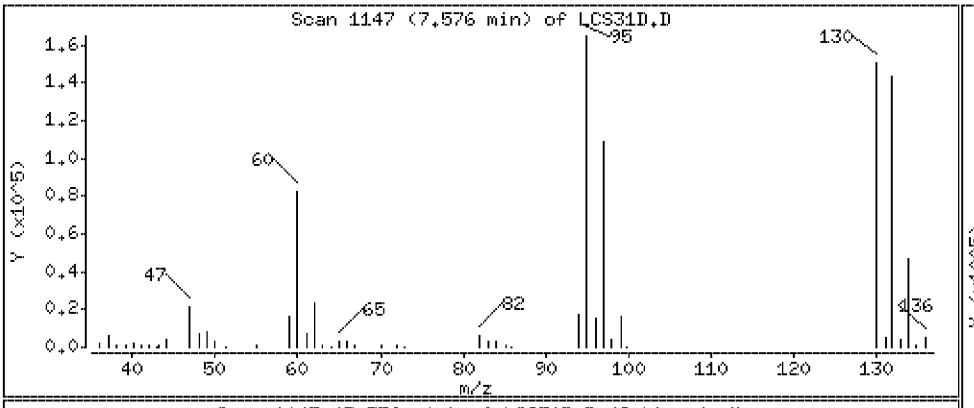
Operator:

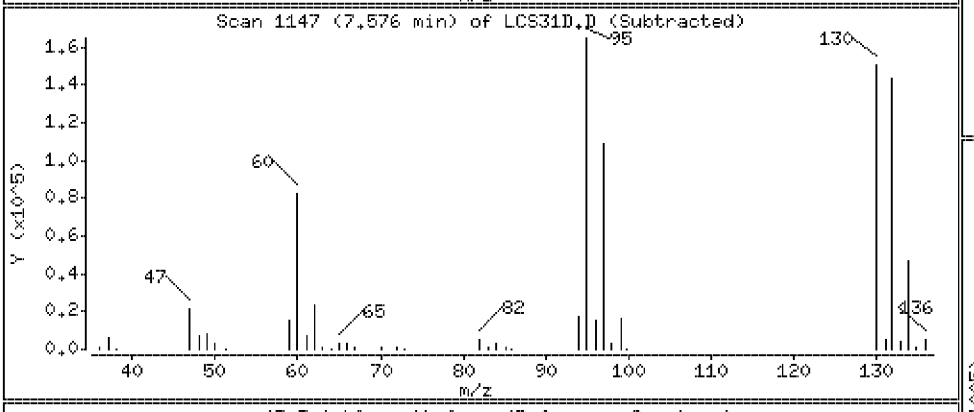
Column phase: DB-624

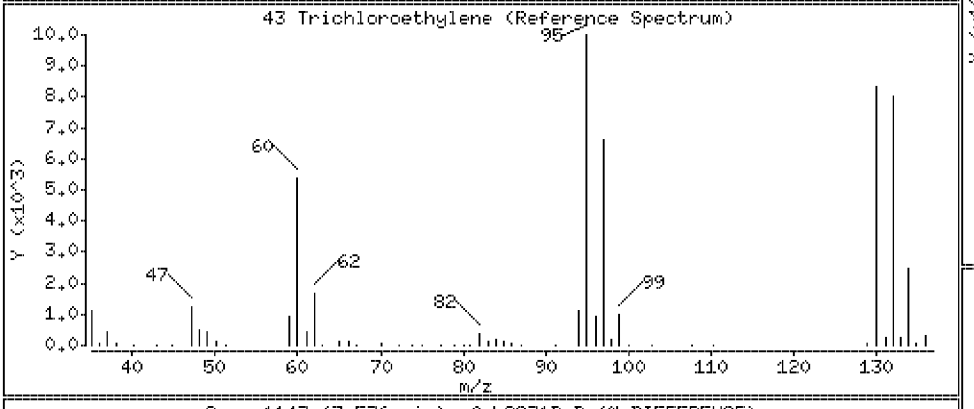
Column diameter: 0.18

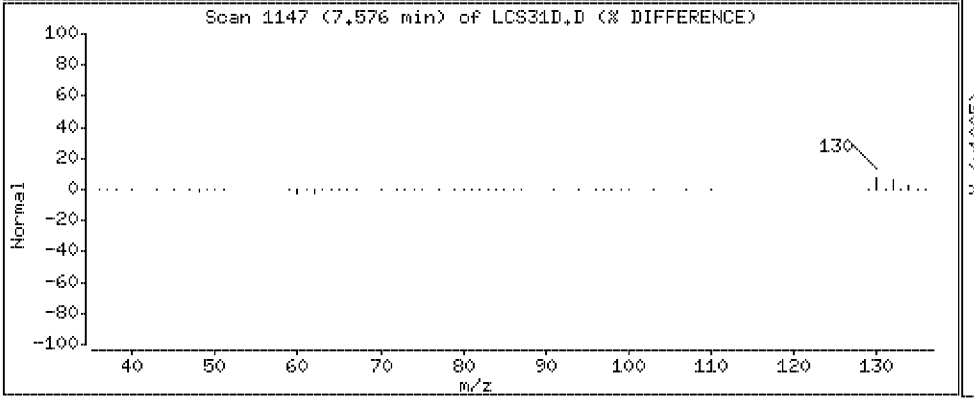
43 Trichloroethylene

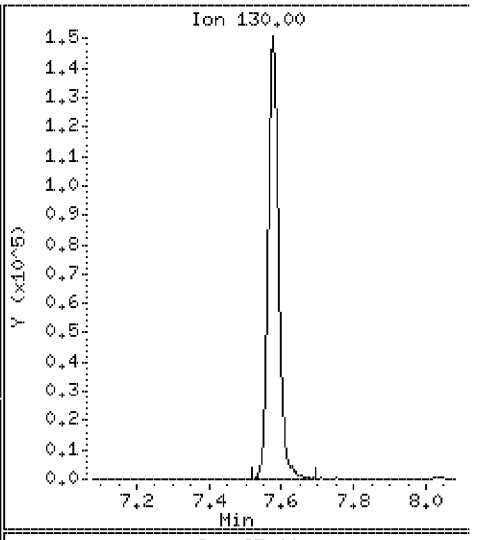
Concentration: 20.1 ug/l

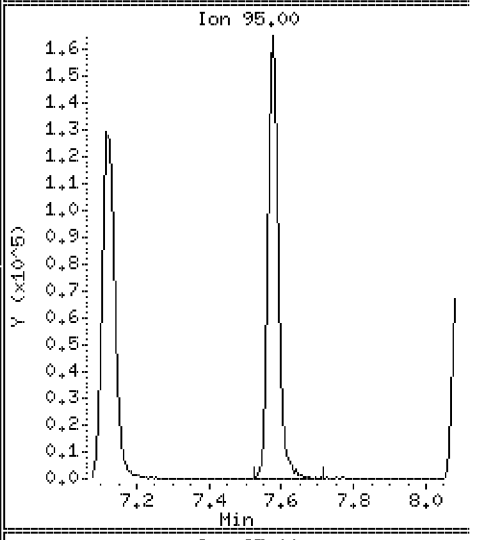


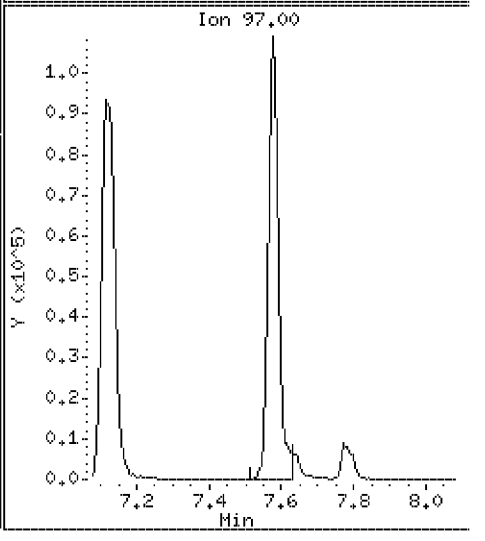












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

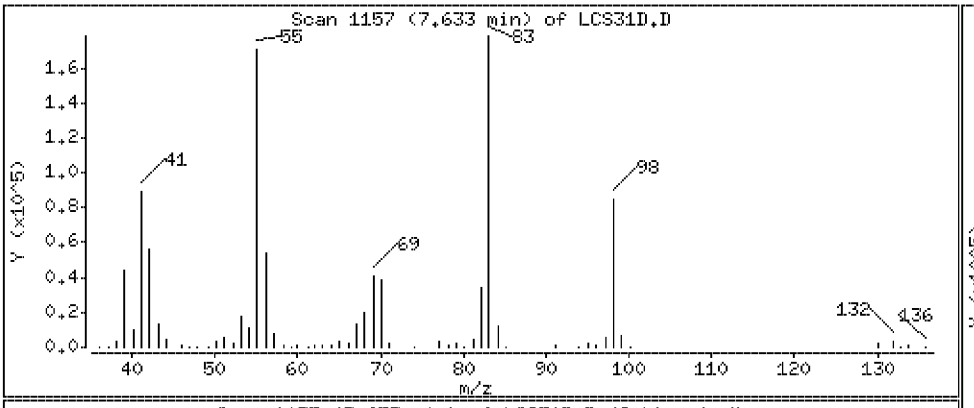
Operator:

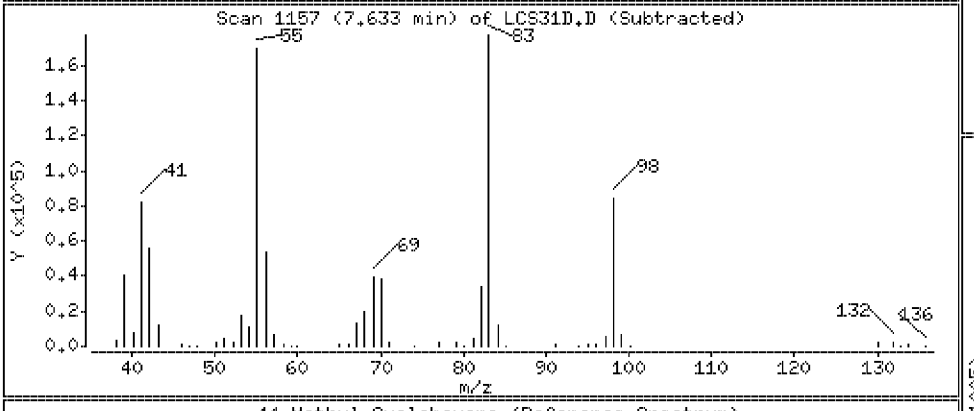
Column phase: DB-624

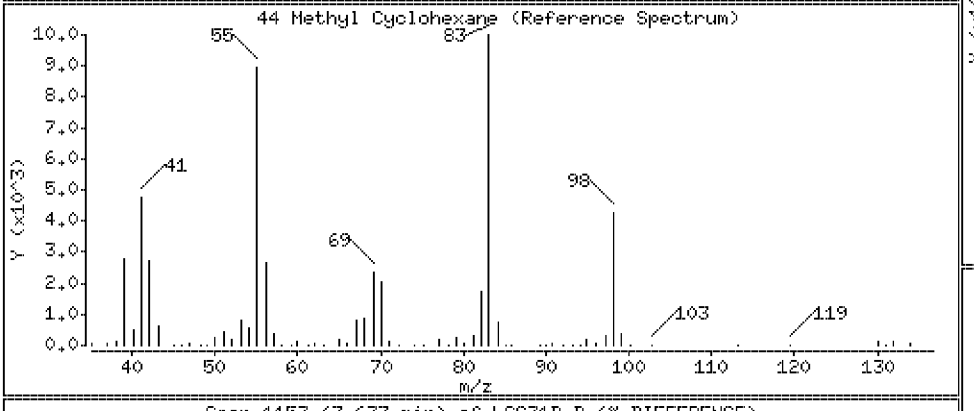
Column diameter: 0.18

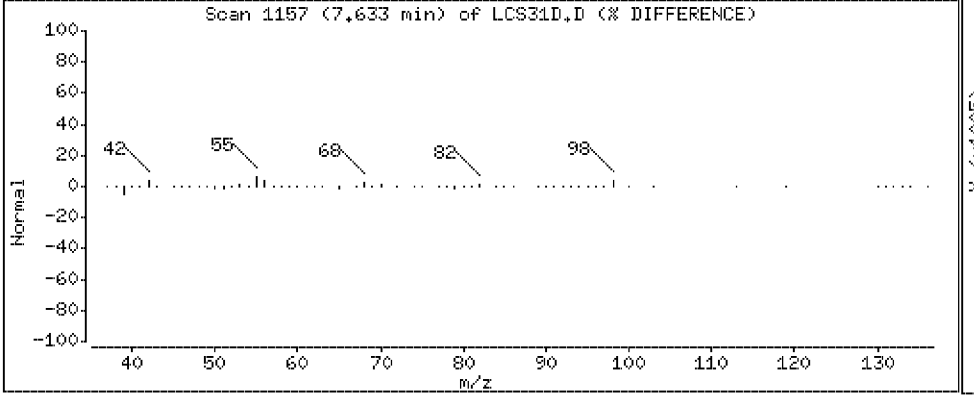
44 Methyl Cyclohexane

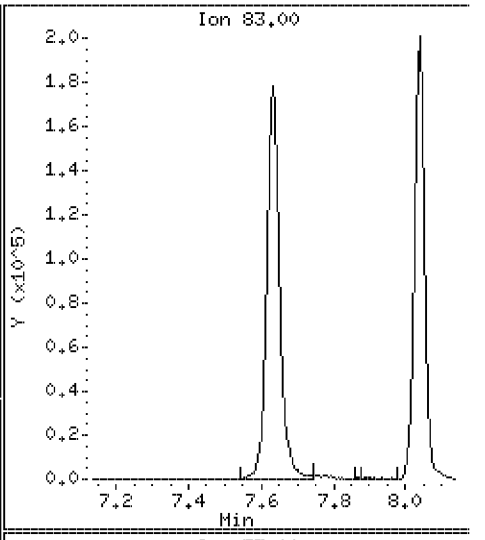
Concentration: 21.2 ug/l

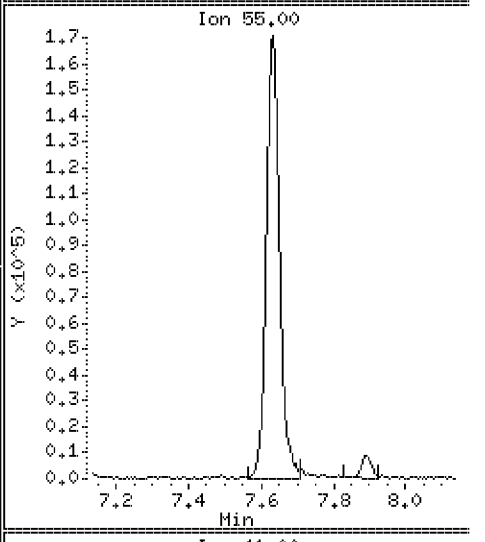


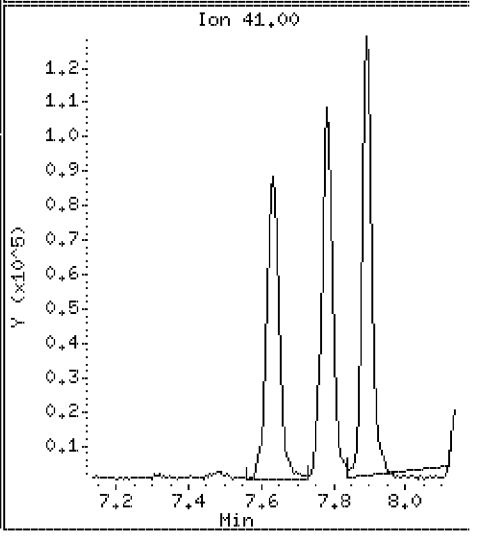












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

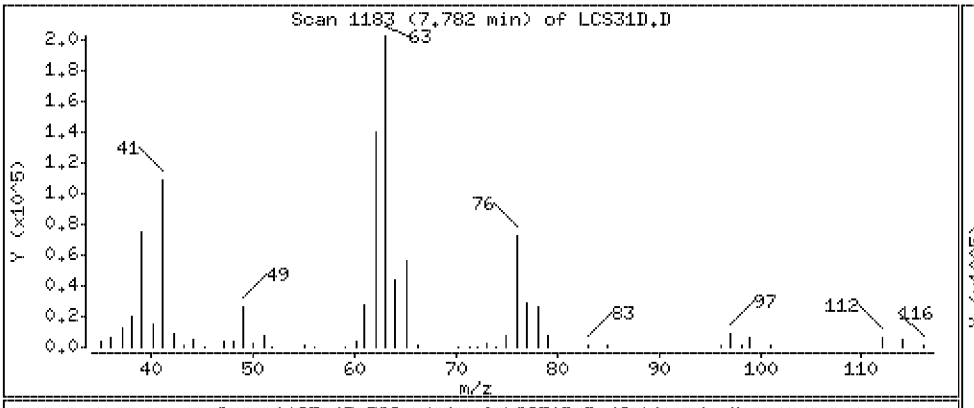
Operator:

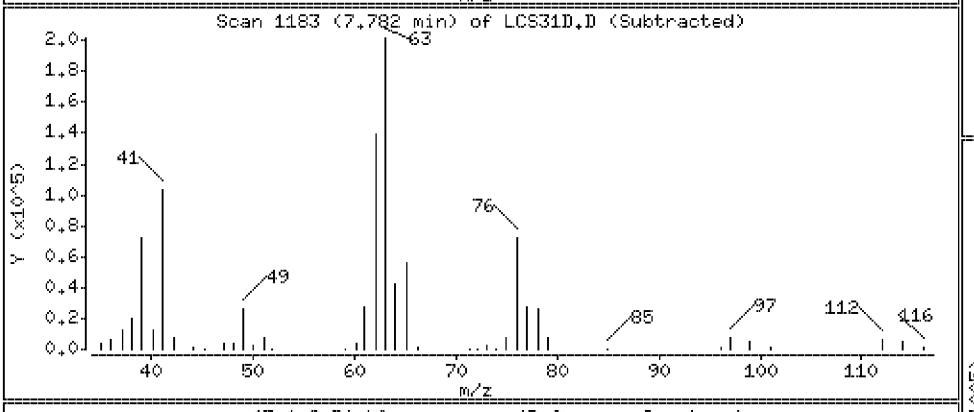
Column phase: DB-624

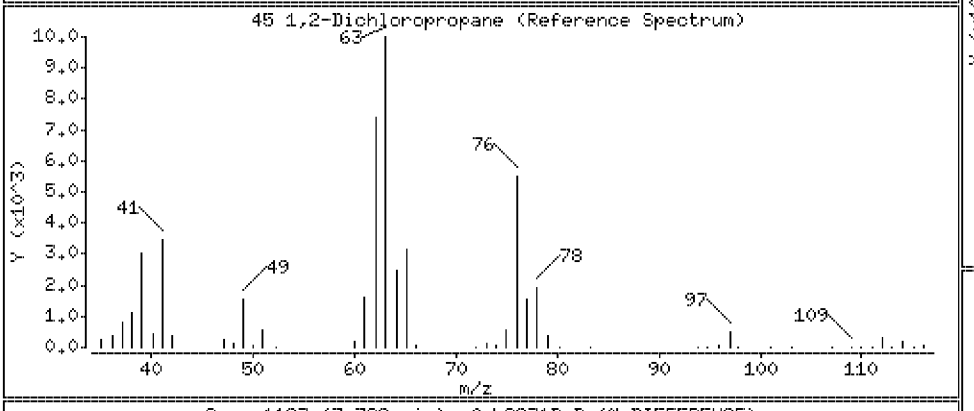
Column diameter: 0.18

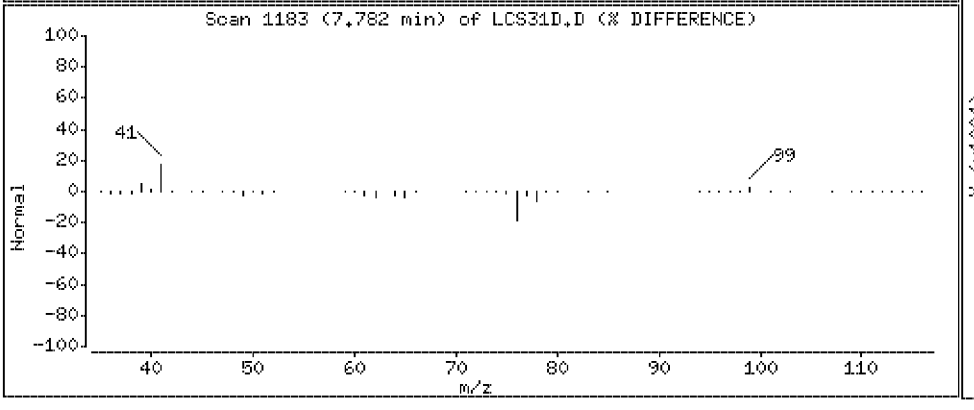
45 1,2-Dichloropropane

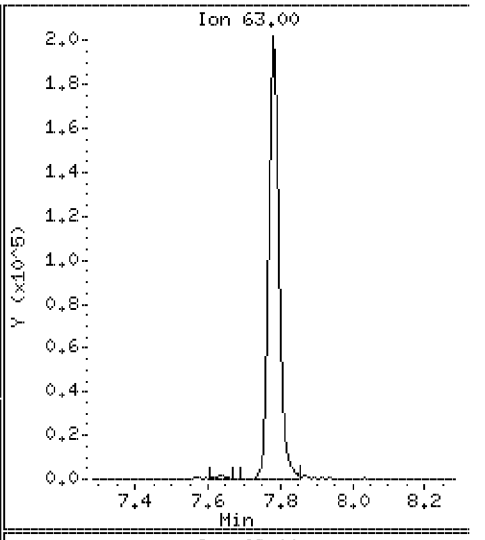
Concentration: 19.8 ug/l

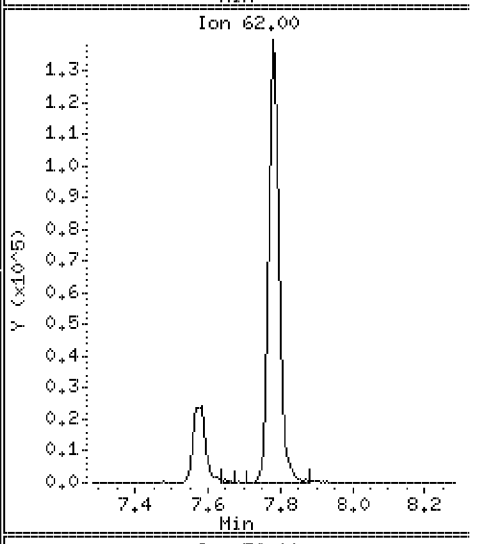


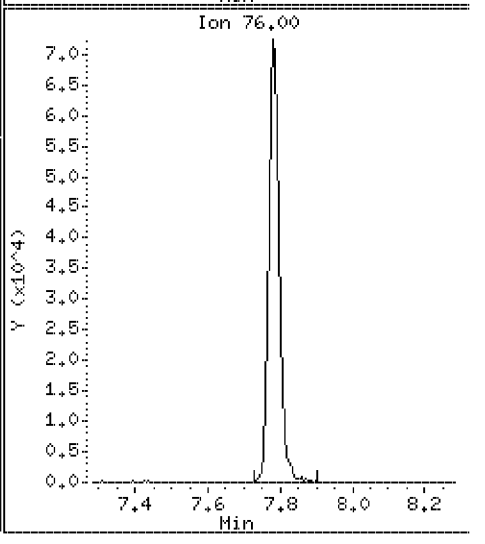












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

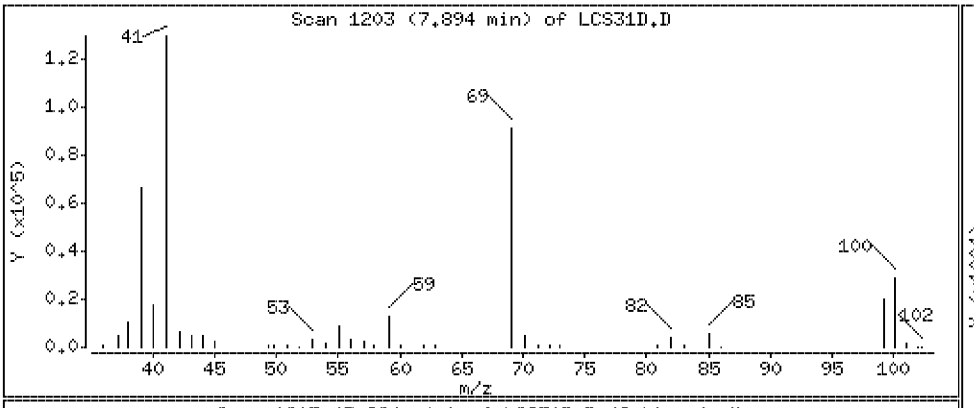
Operator:

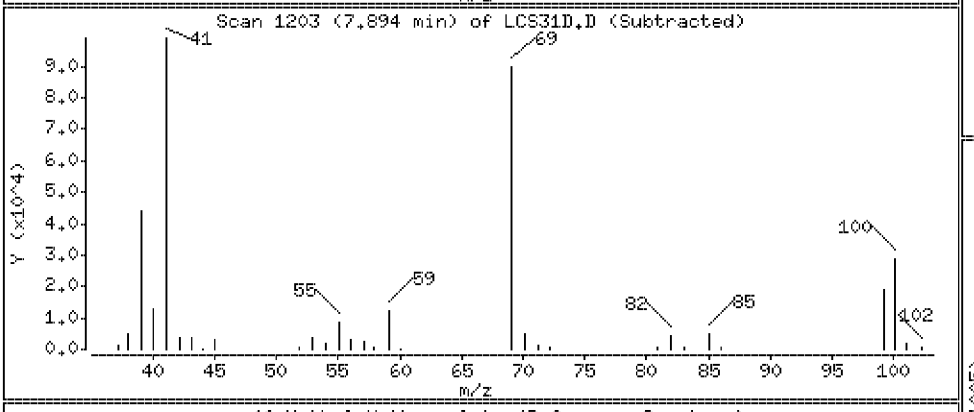
Column phase: DB-624

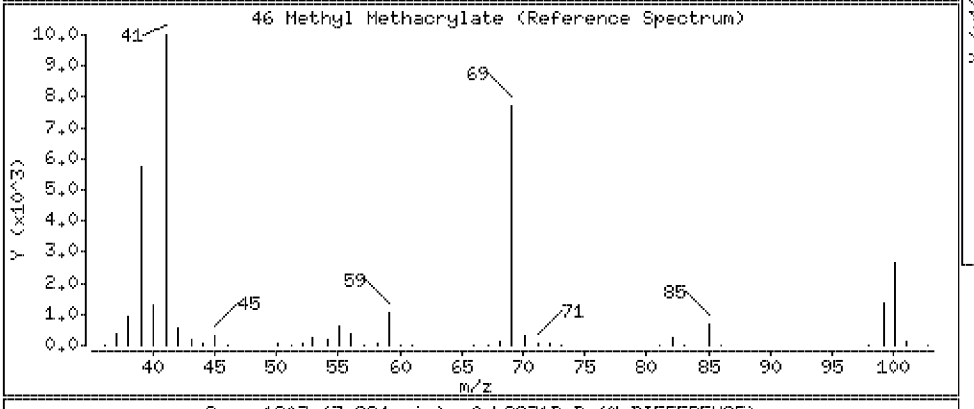
Column diameter: 0.18

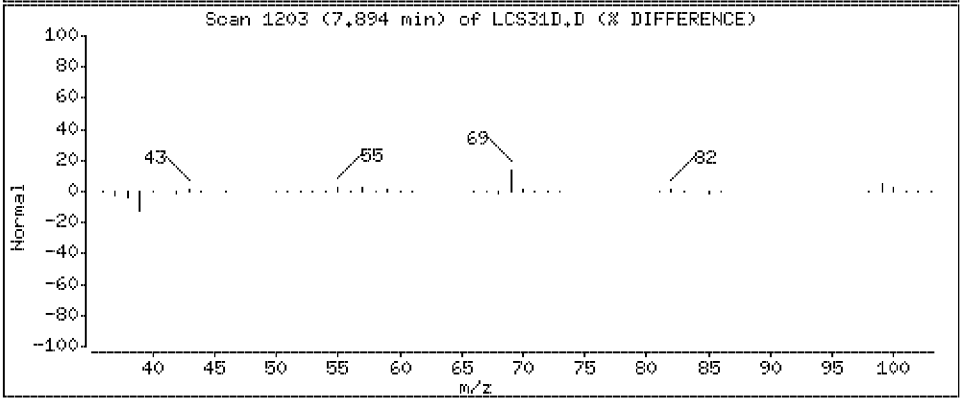
46 Methyl Methacrylate

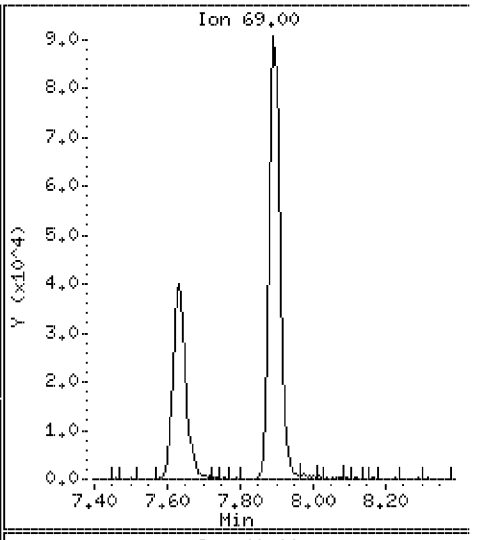
Concentration: 18.2 ug/l

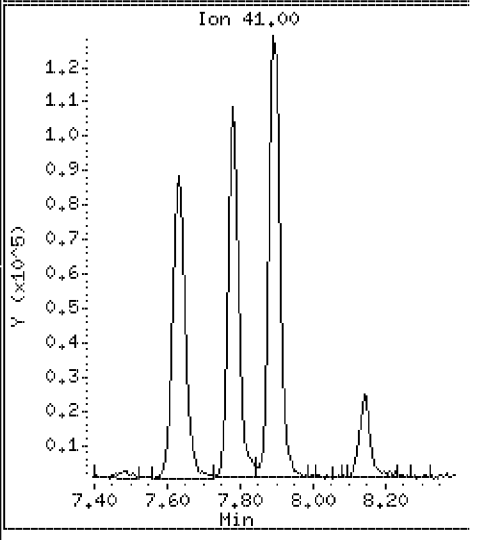












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

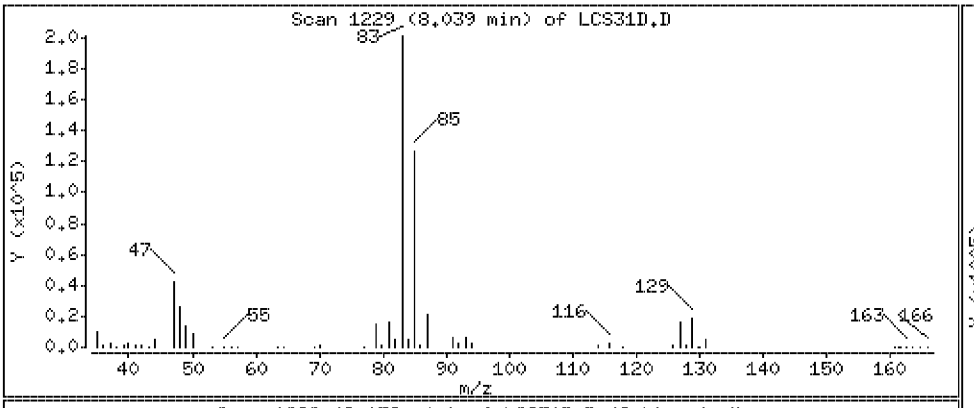
Operator:

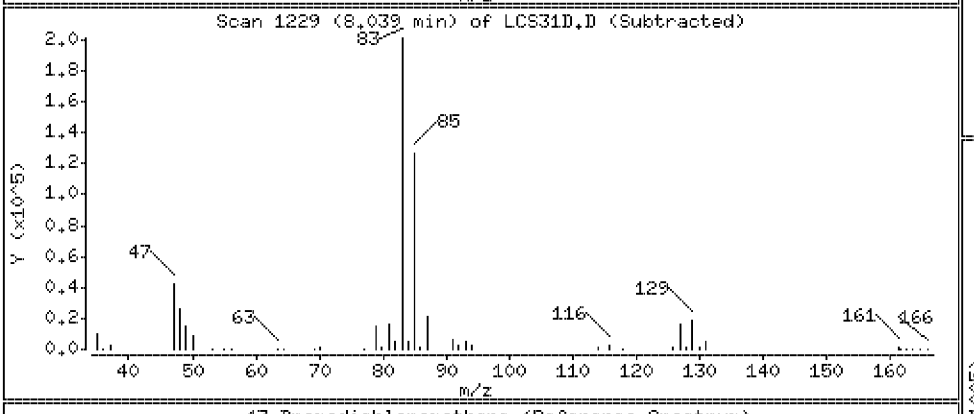
Column phase: DB-624

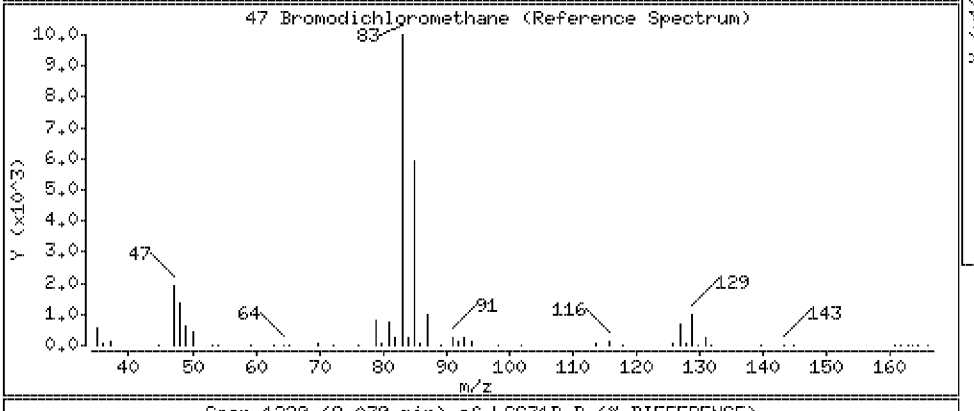
Column diameter: 0.18

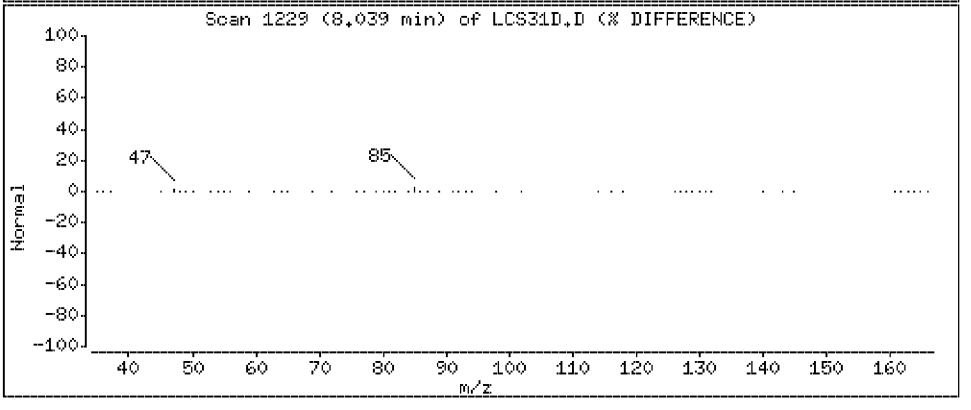
47 Bromodichloromethane

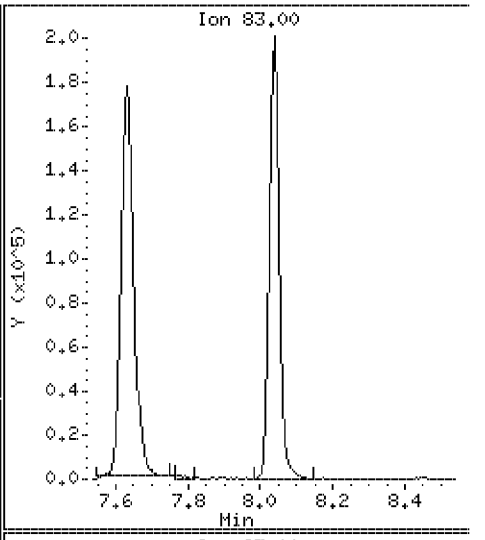
Concentration: 19.9 ug/l

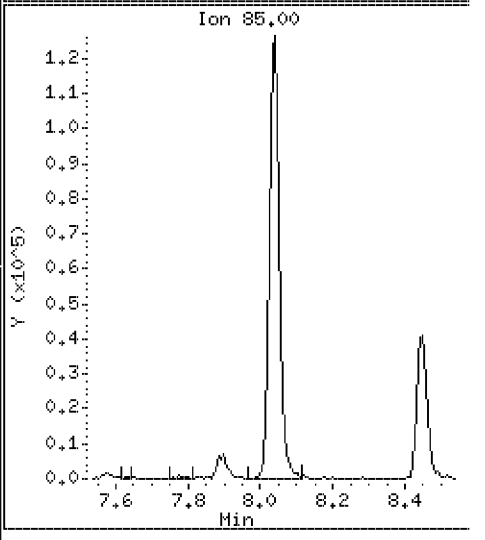












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

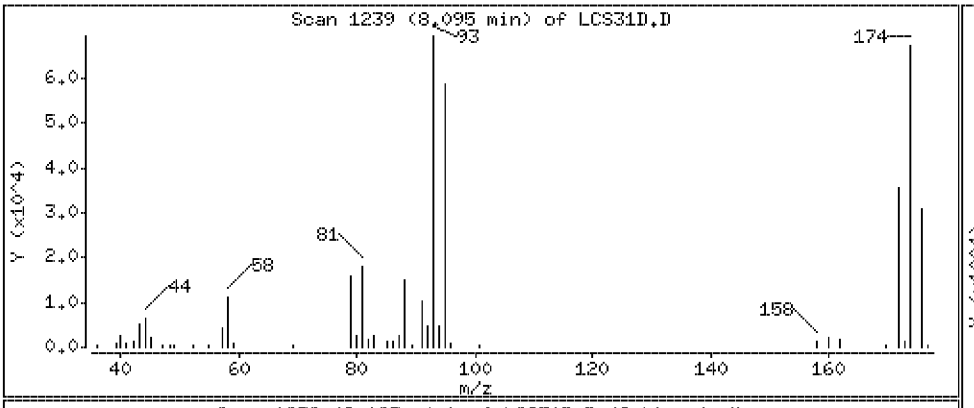
Operator:

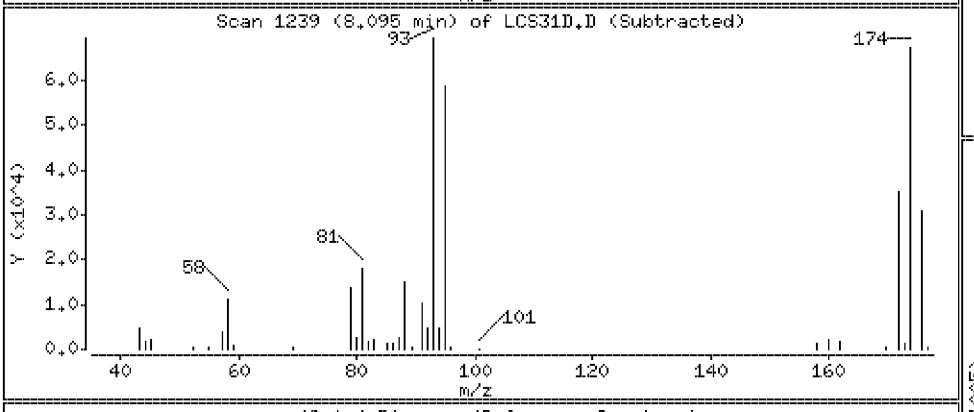
Column phase: DB-624

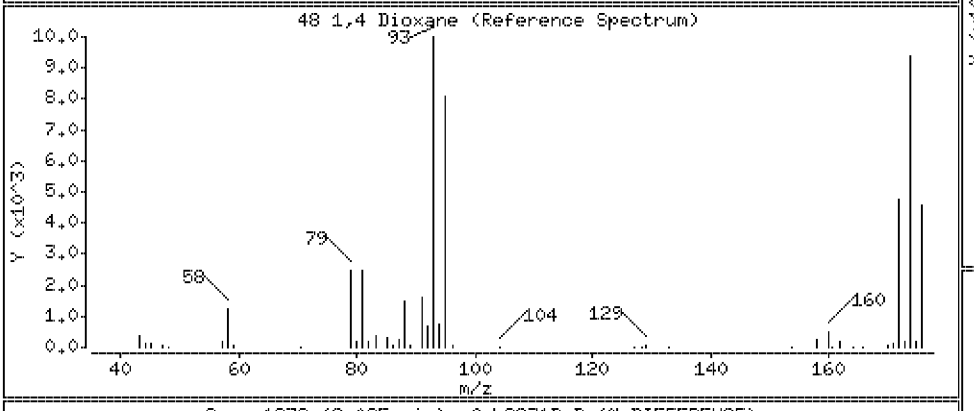
Column diameter: 0.18

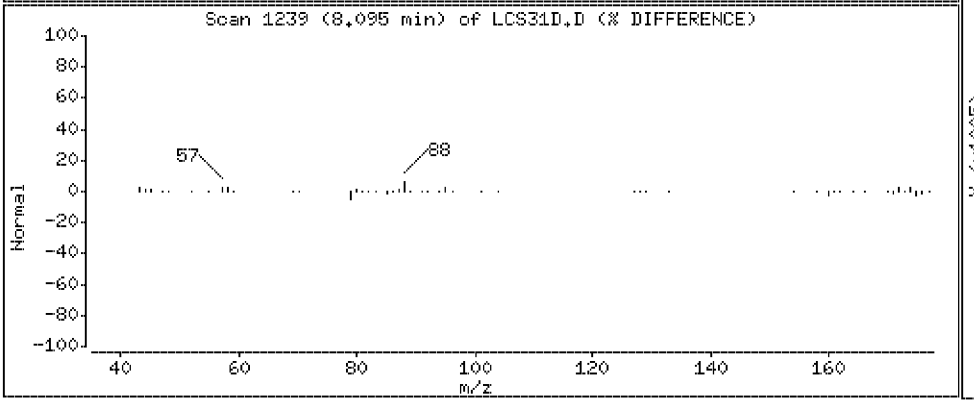
48 1,4 Dioxane

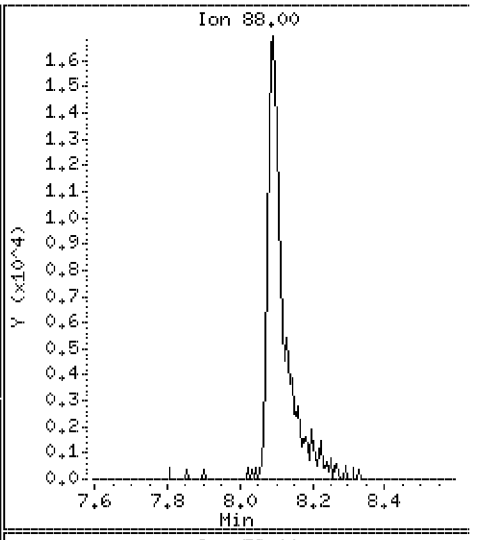
Concentration: 577 ug/l

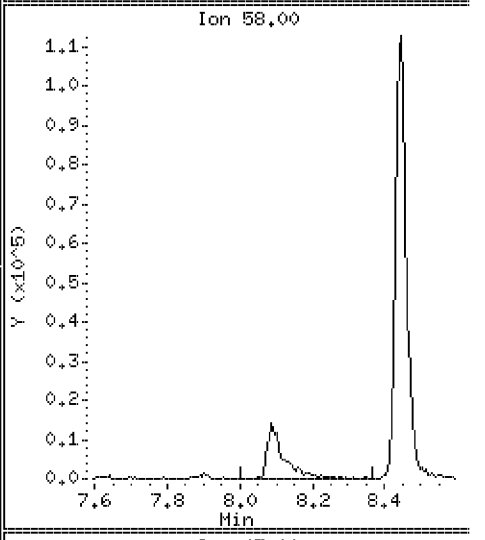


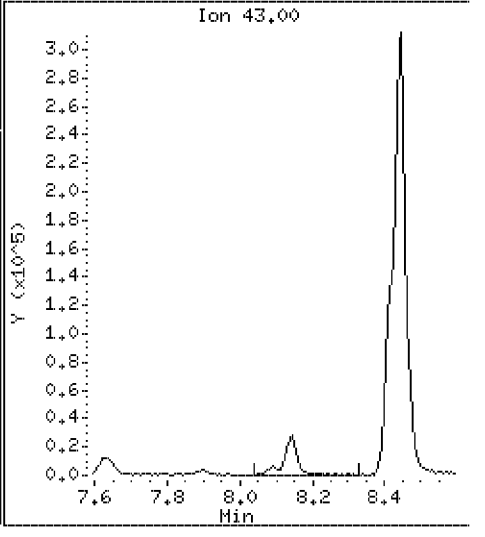












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

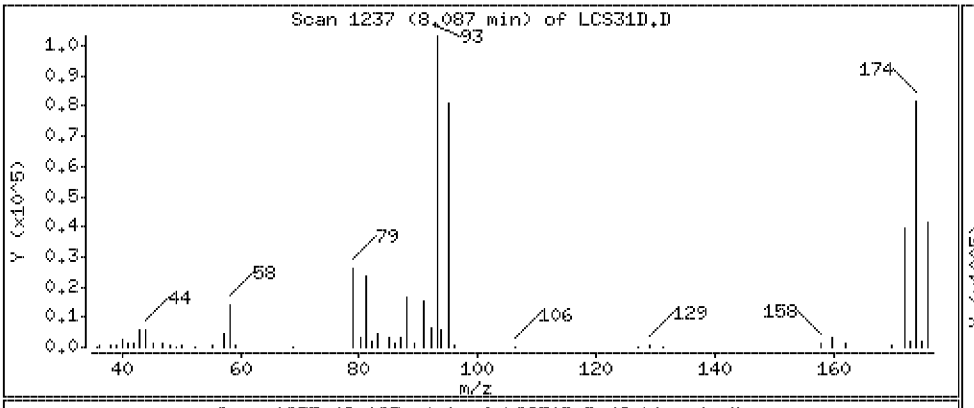
Operator:

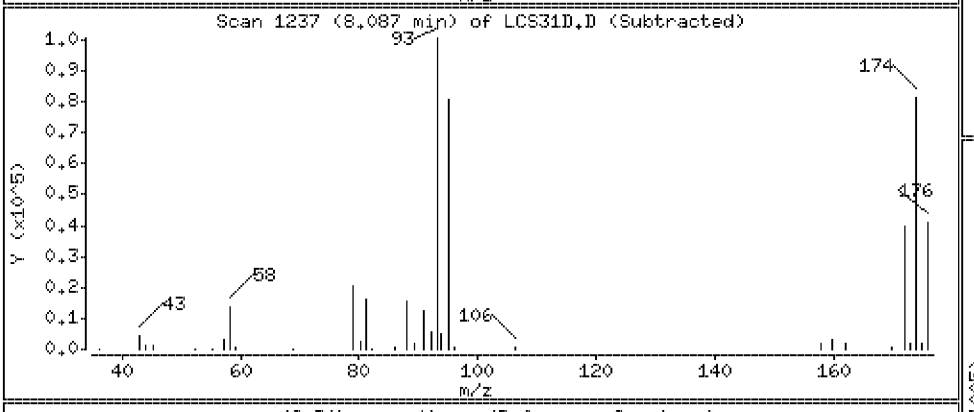
Column phase: DB-624

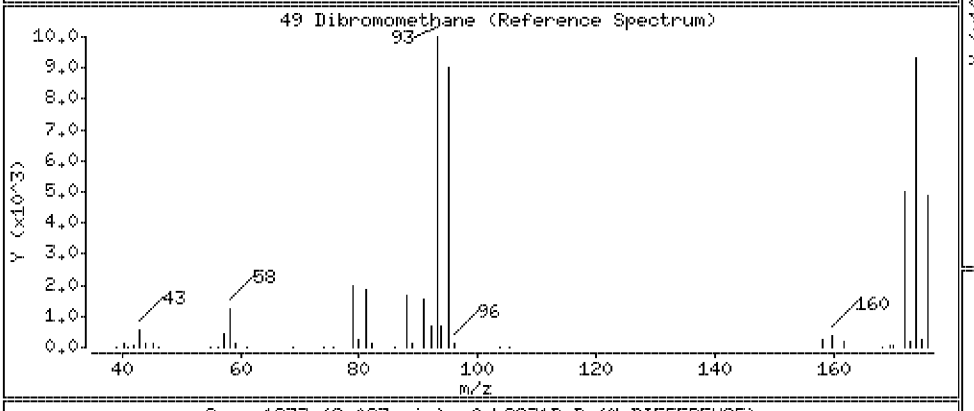
Column diameter: 0.18

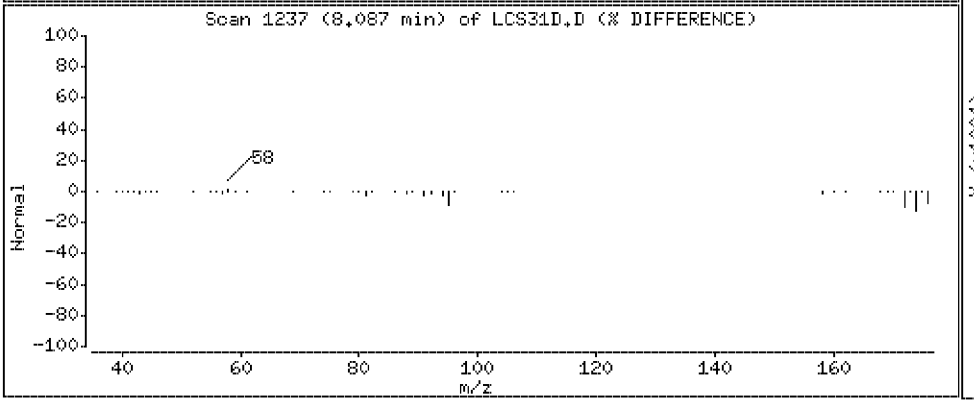
49 Dibromomethane

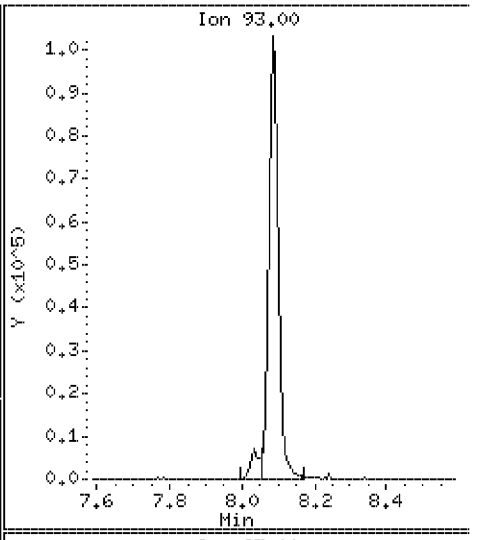
Concentration: 19.9 ug/l

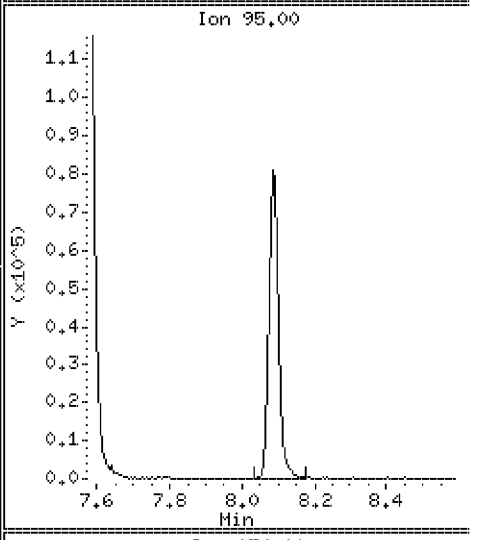


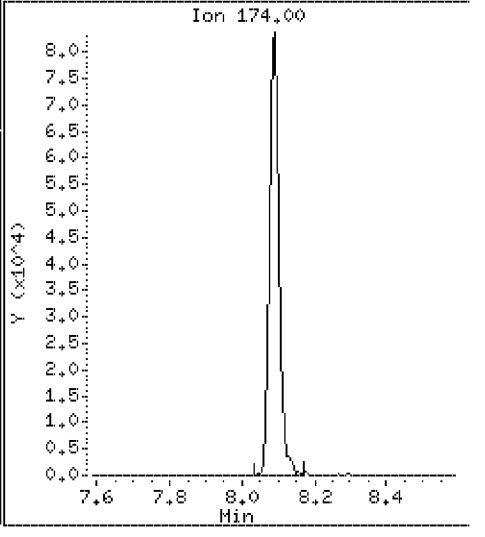












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

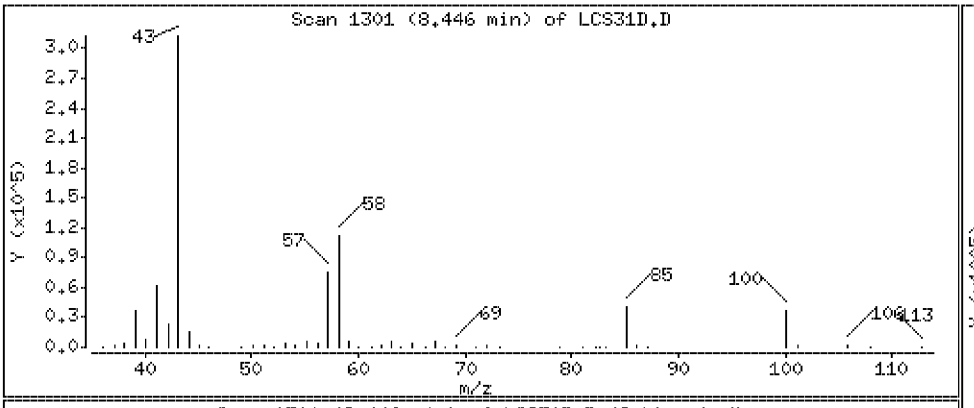
Operator:

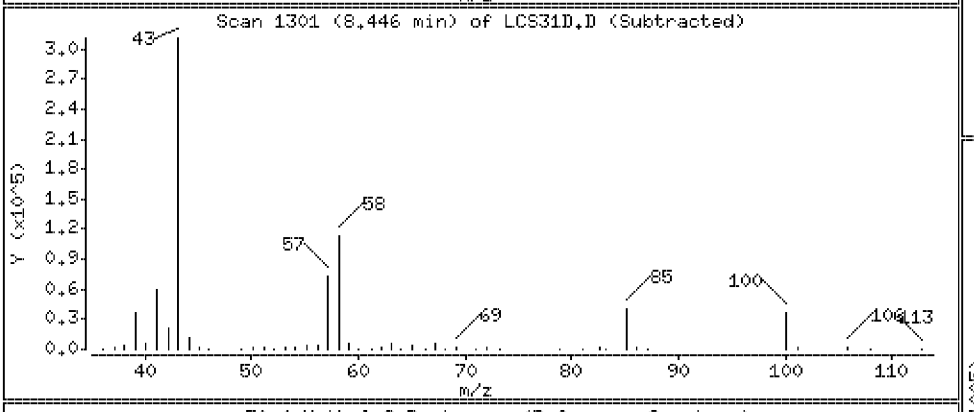
Column phase: DB-624

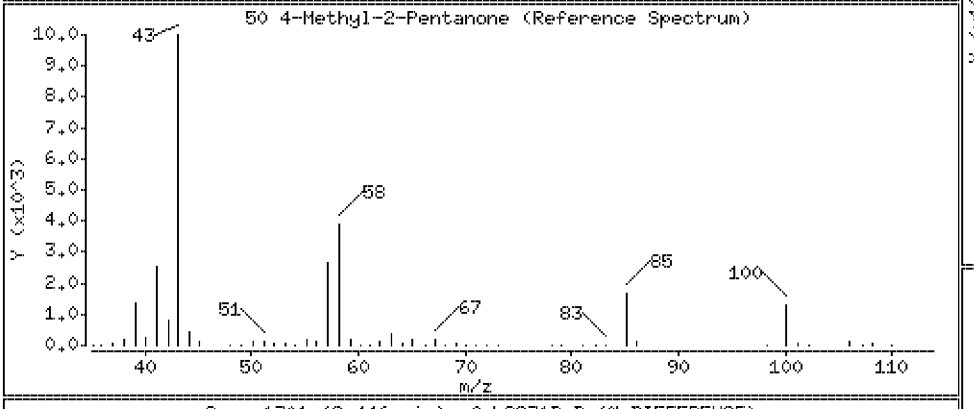
Column diameter: 0.18

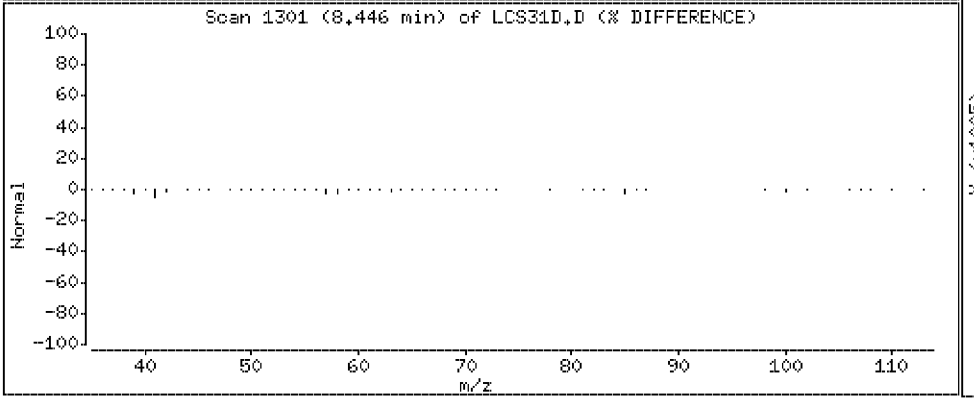
50 4-Methyl-2-Pentanone

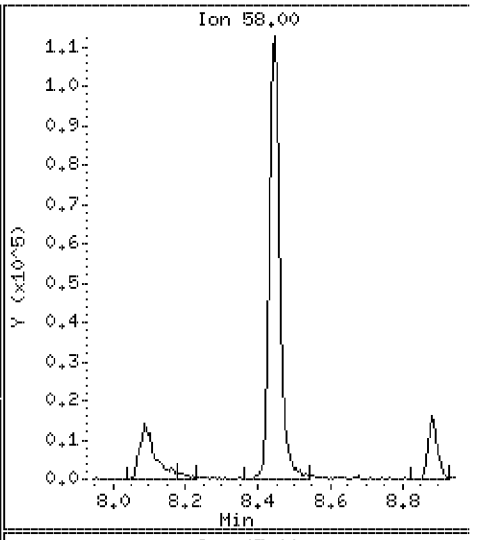
Concentration: 39.0 ug/l

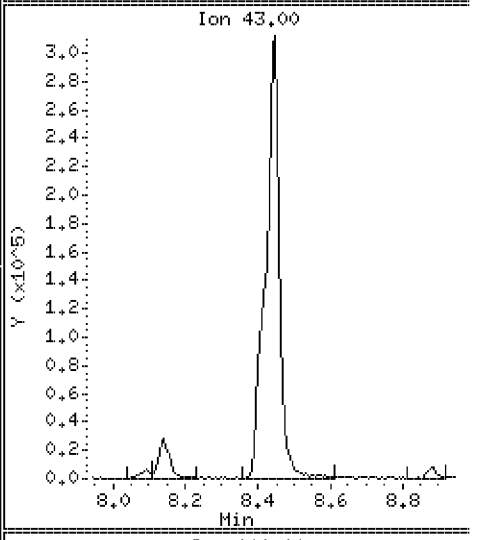


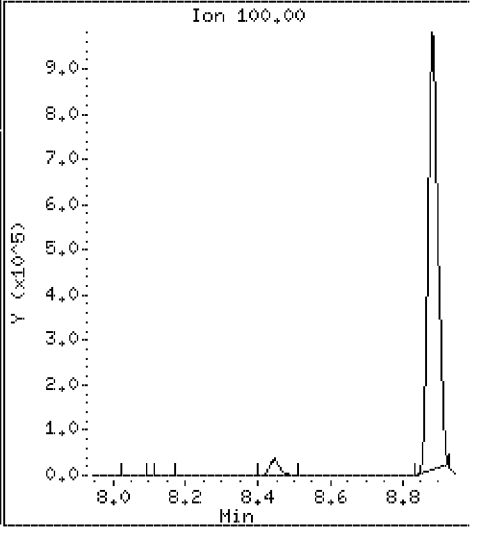












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

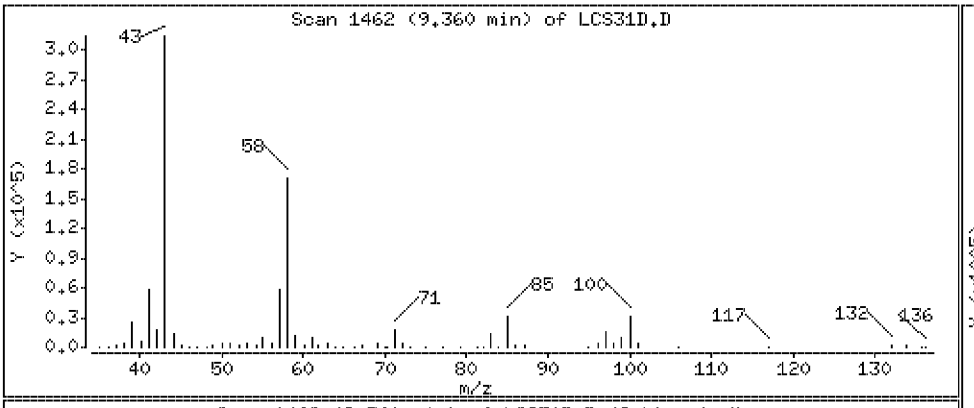
Operator:

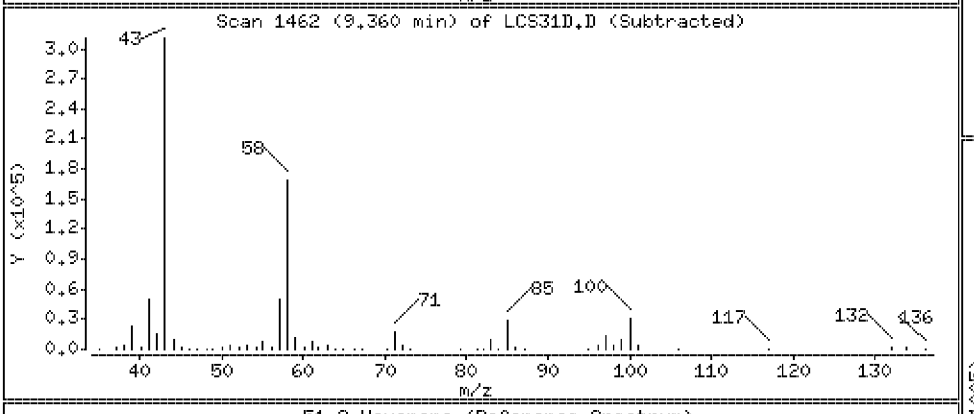
Column phase: DB-624

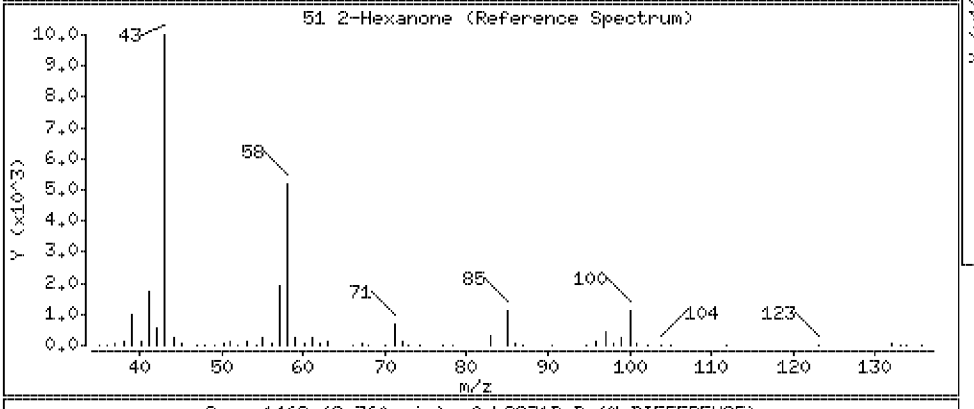
Column diameter: 0.18

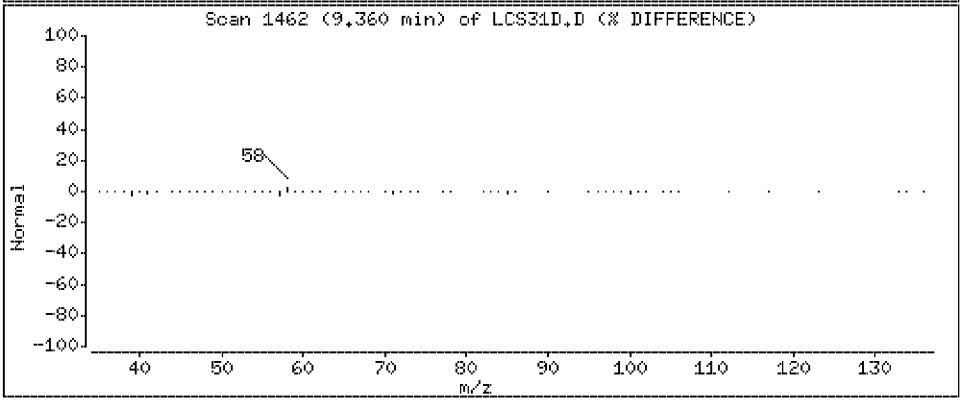
51 2-Hexanone

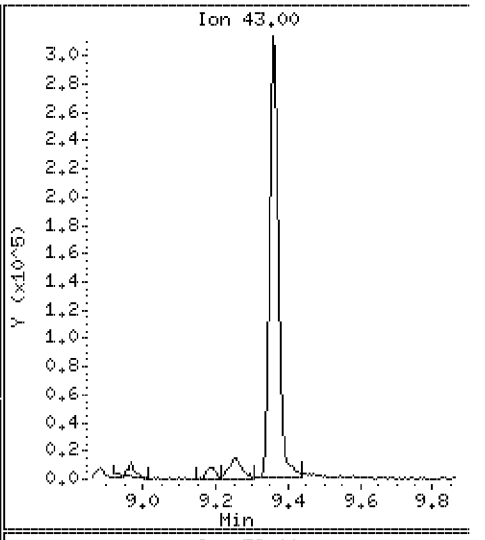
Concentration: 43.1 ug/l

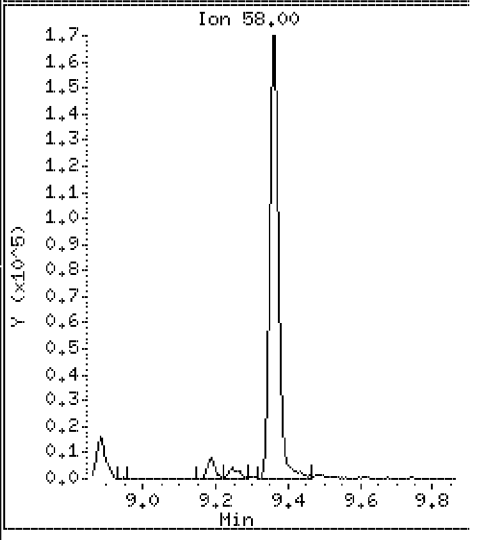












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

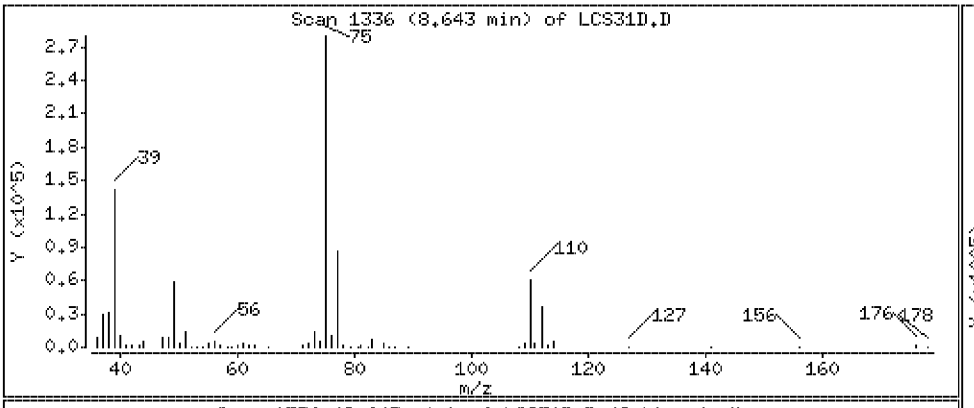
Operator:

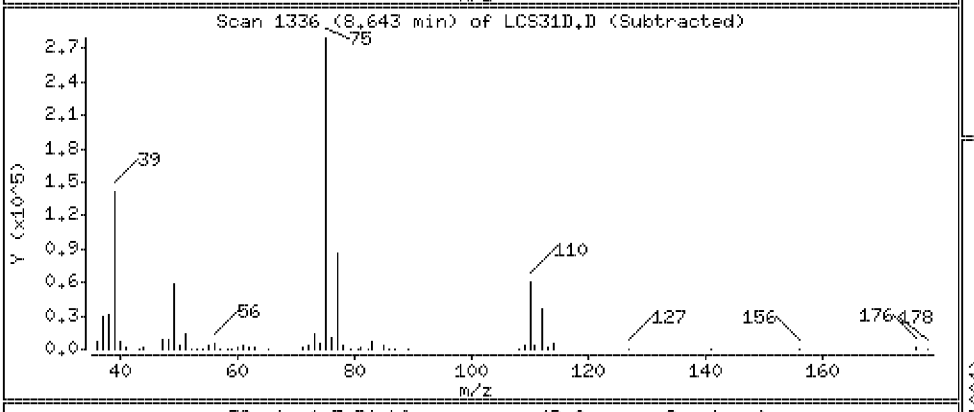
Column phase: DB-624

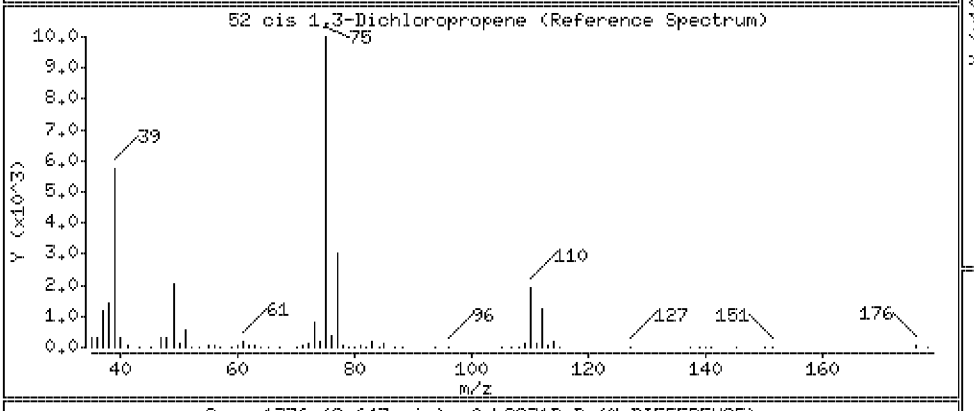
Column diameter: 0.18

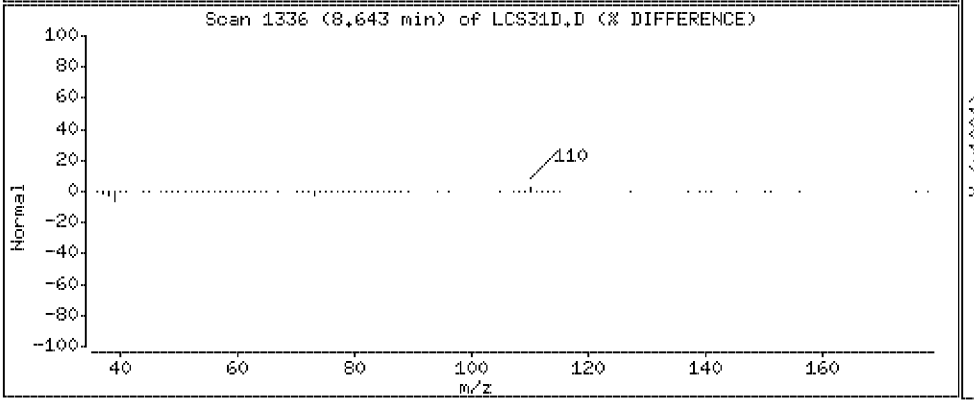
52 cis 1,3-Dichloropropene

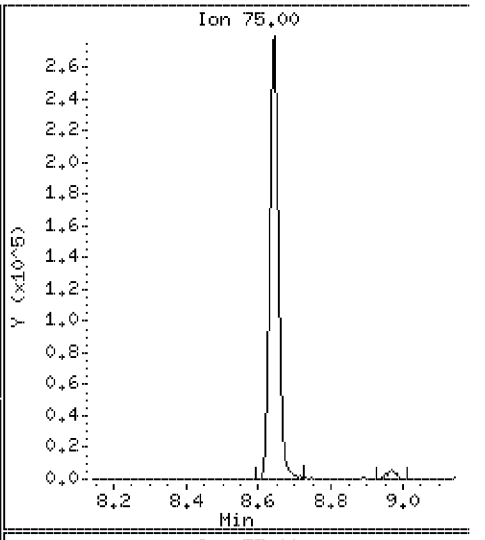
Concentration: 19.7 ug/l

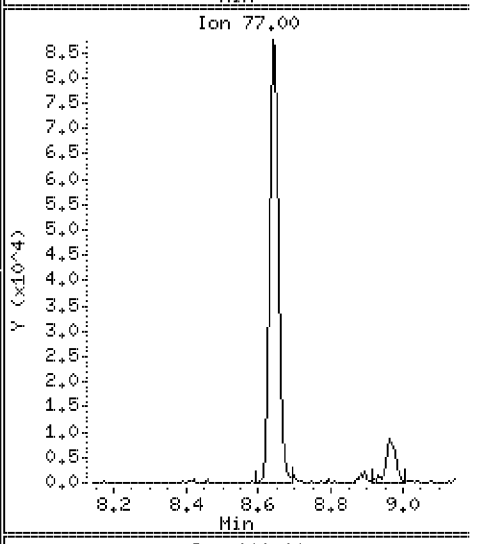


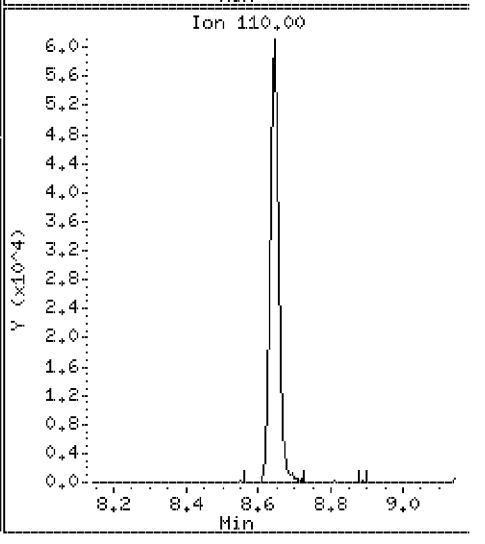












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

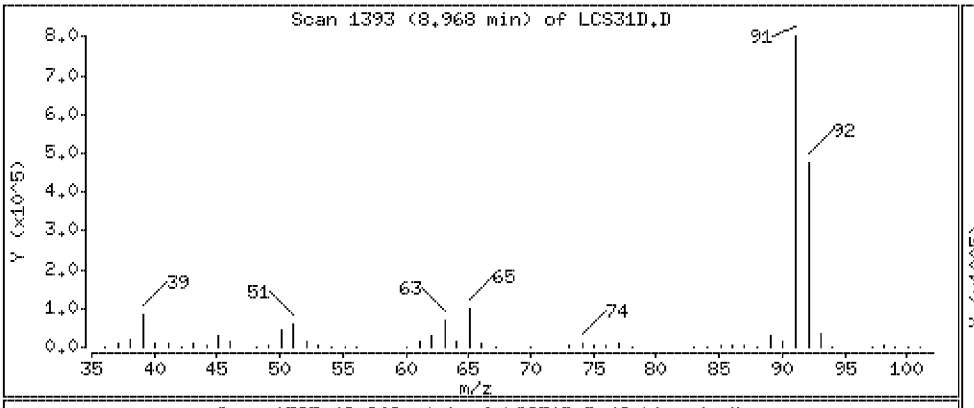
Operator:

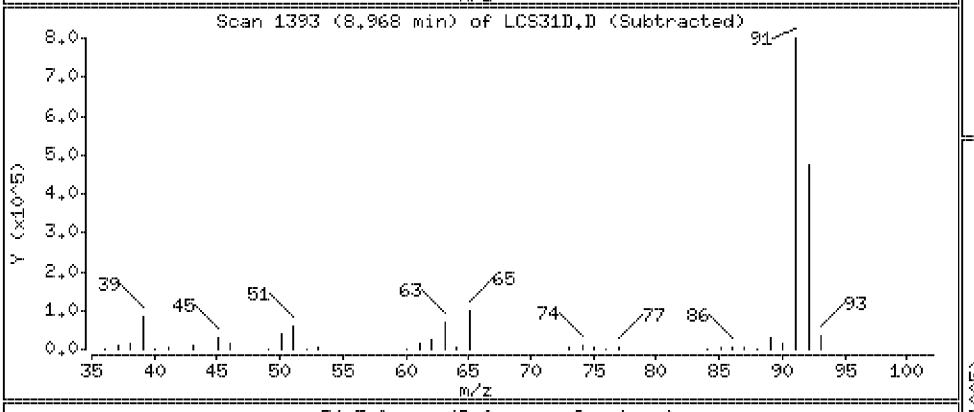
Column phase: DB-624

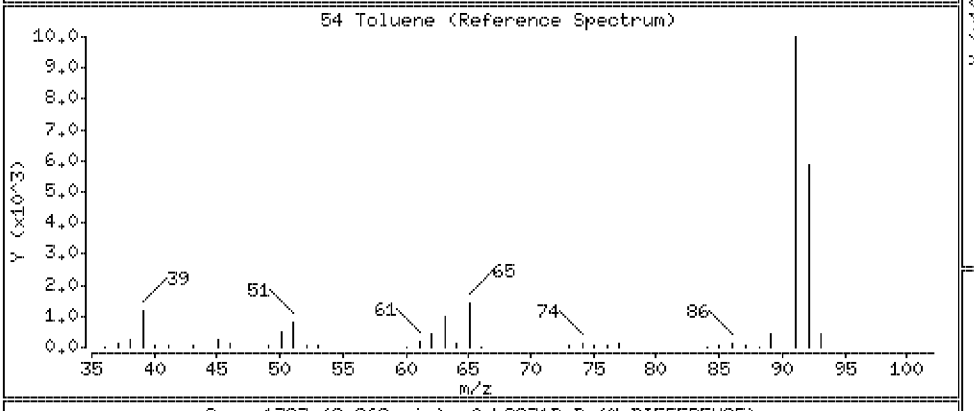
Column diameter: 0.18

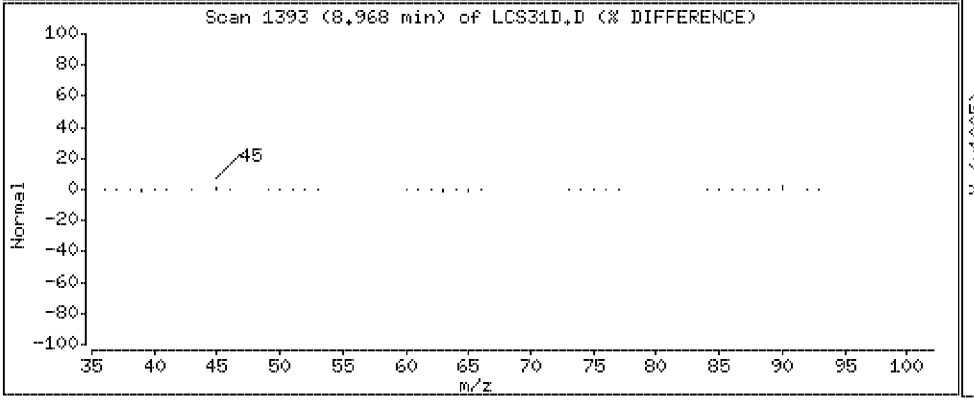
54 Toluene

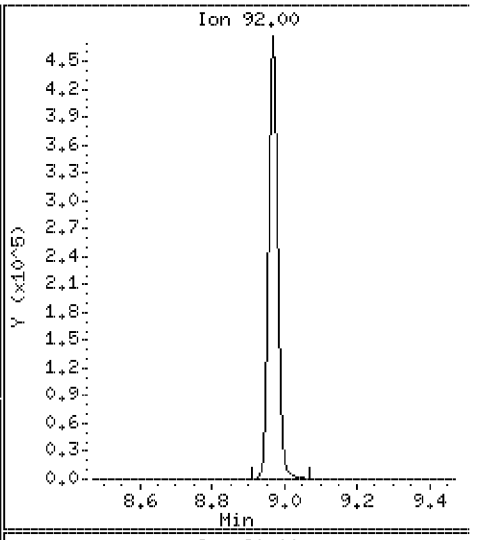
Concentration: 20.4 ug/l

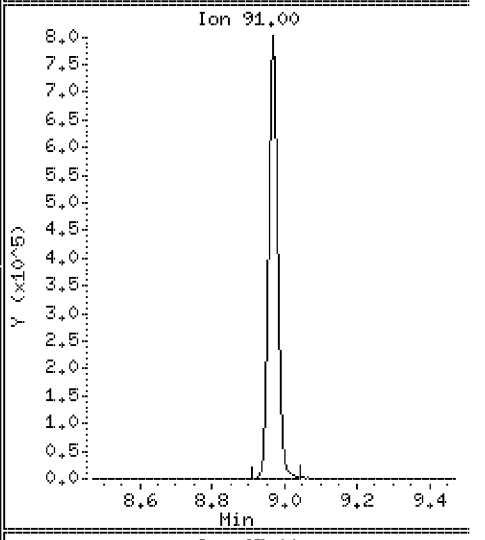


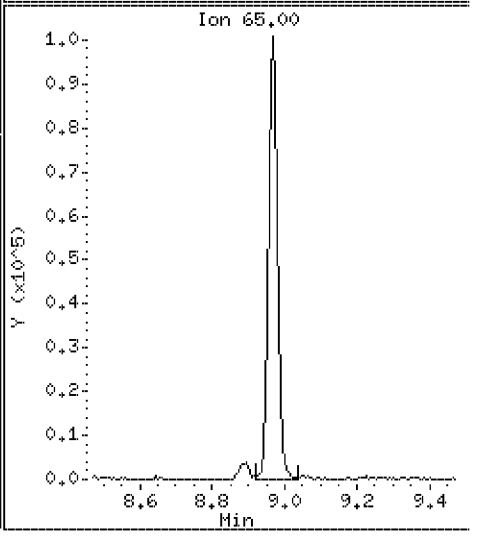












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

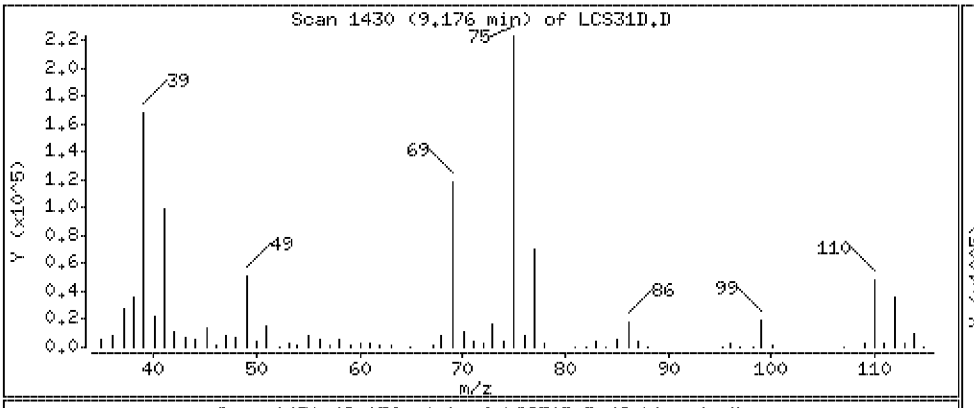
Operator:

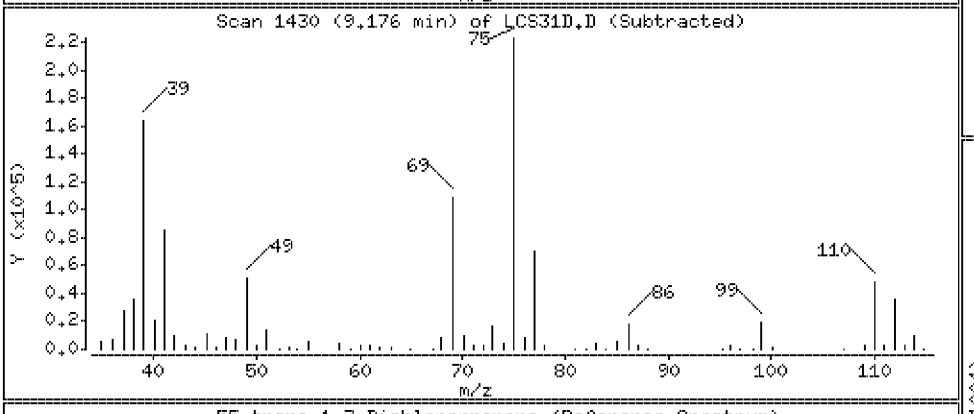
Column phase: DB-624

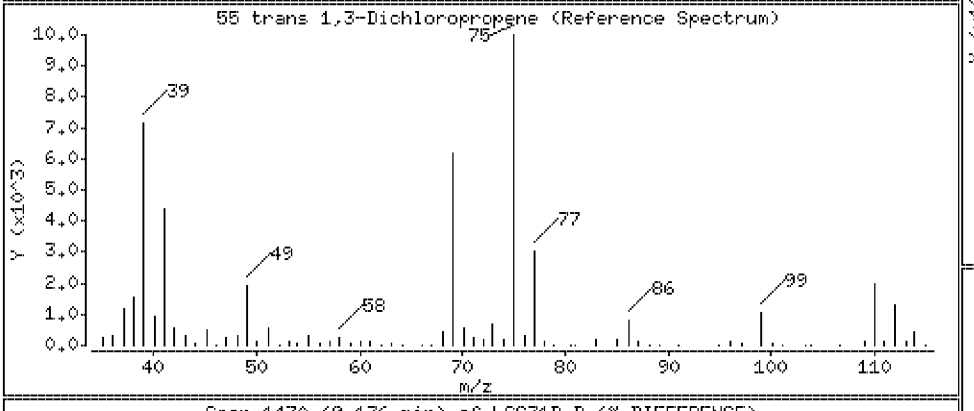
Column diameter: 0.18

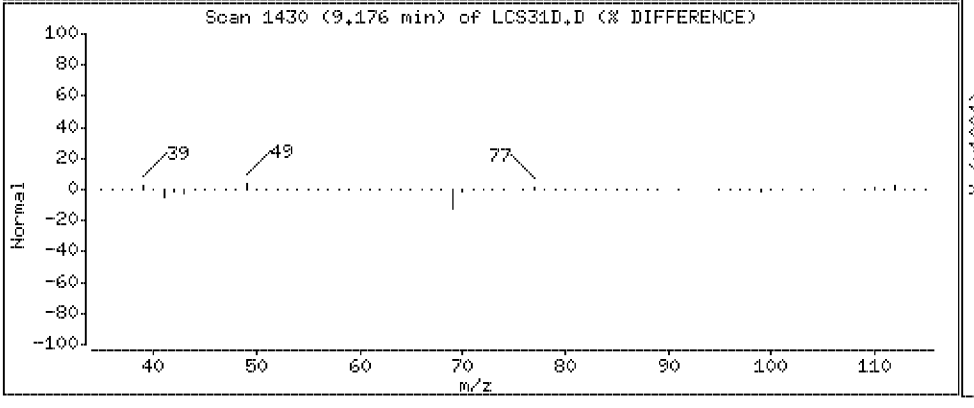
55 trans 1,3-Dichloropropene

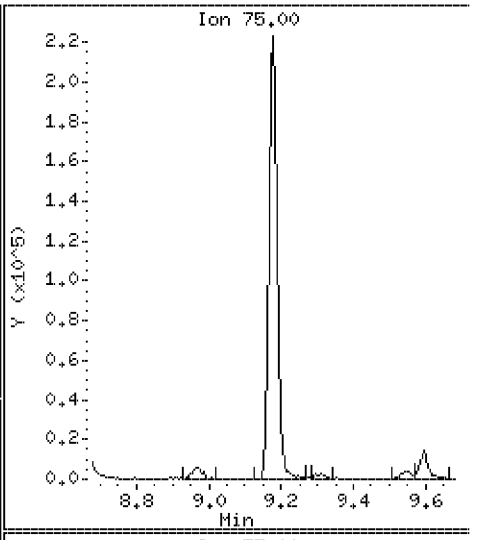
Concentration: 19.0 ug/l

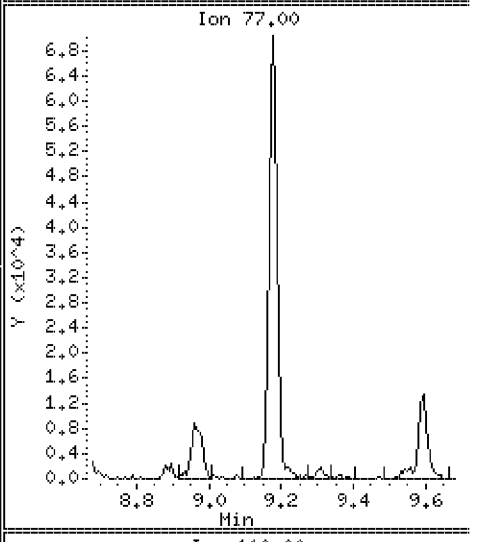


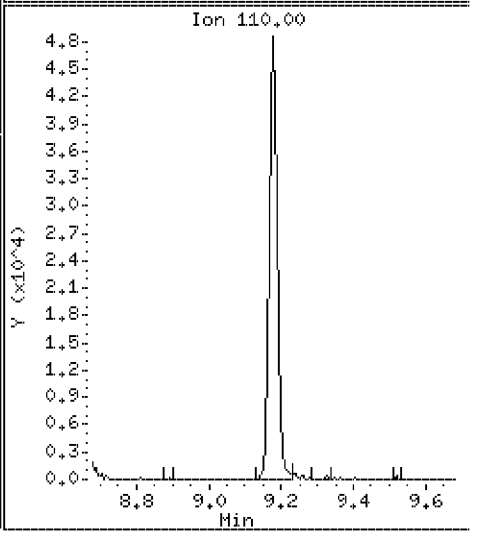












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

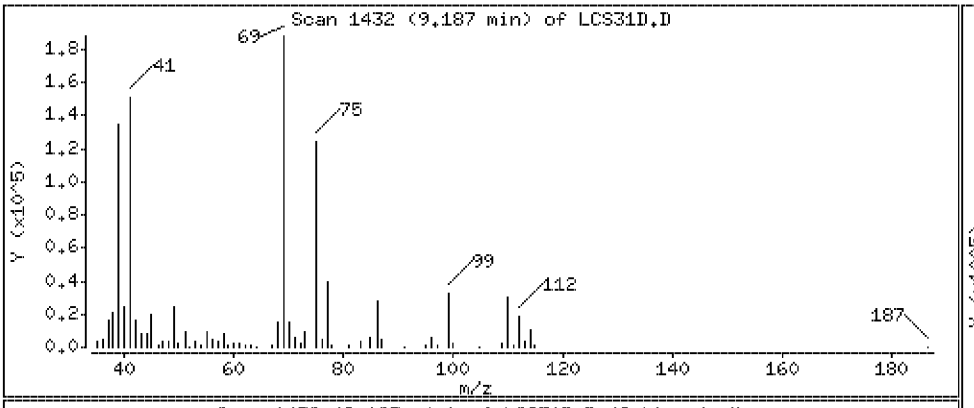
Operator:

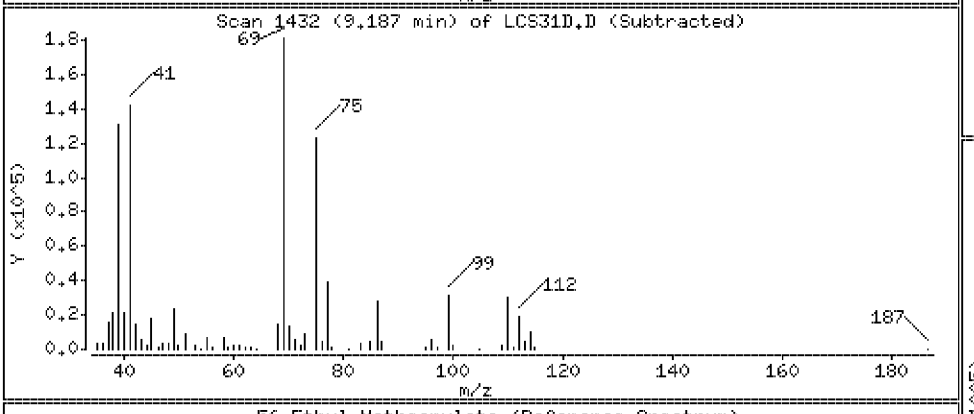
Column phase: DB-624

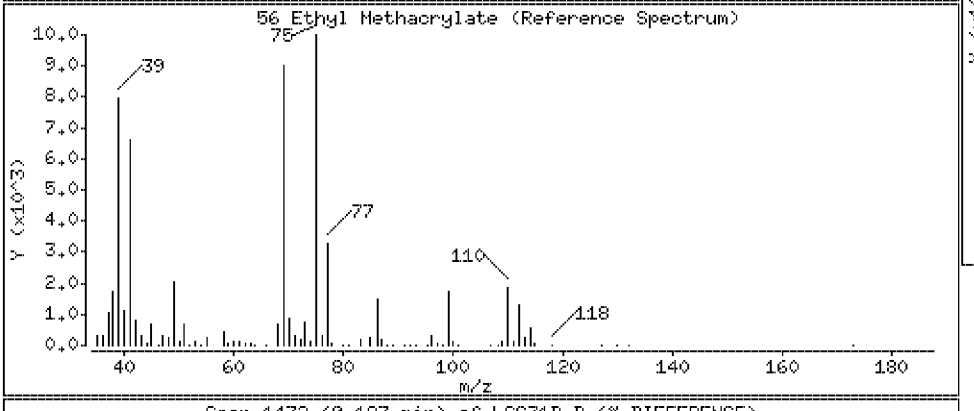
Column diameter: 0.18

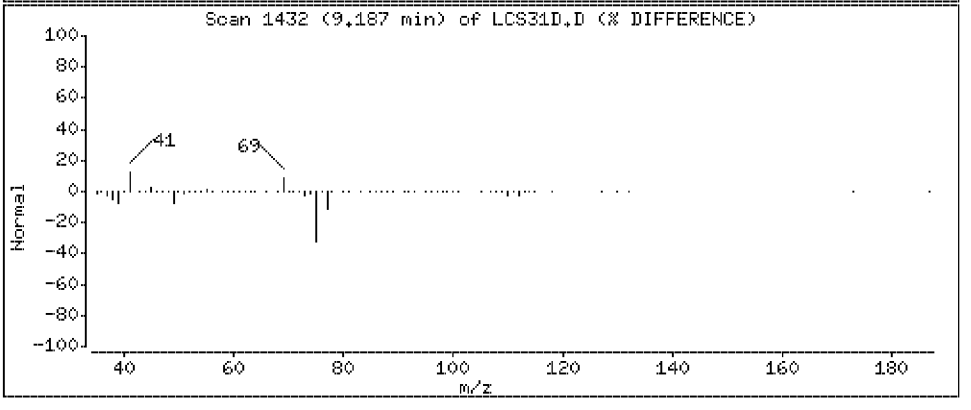
56 Ethyl Methacrylate

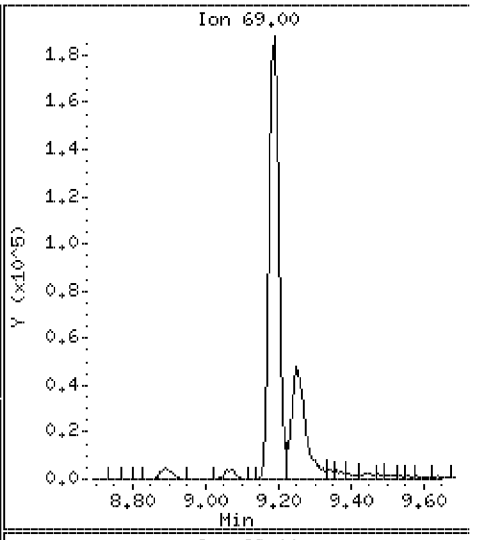
Concentration: 18.5 ug/l

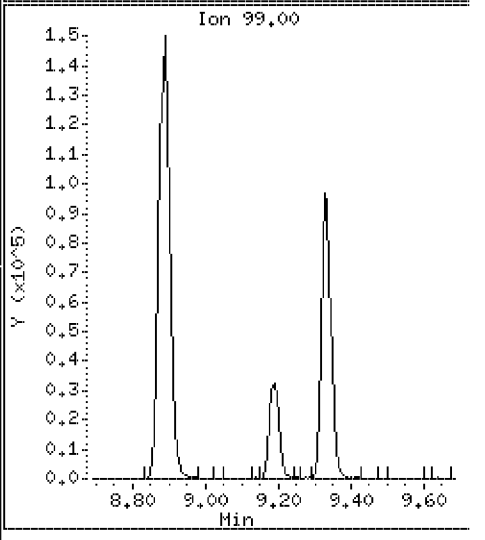












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

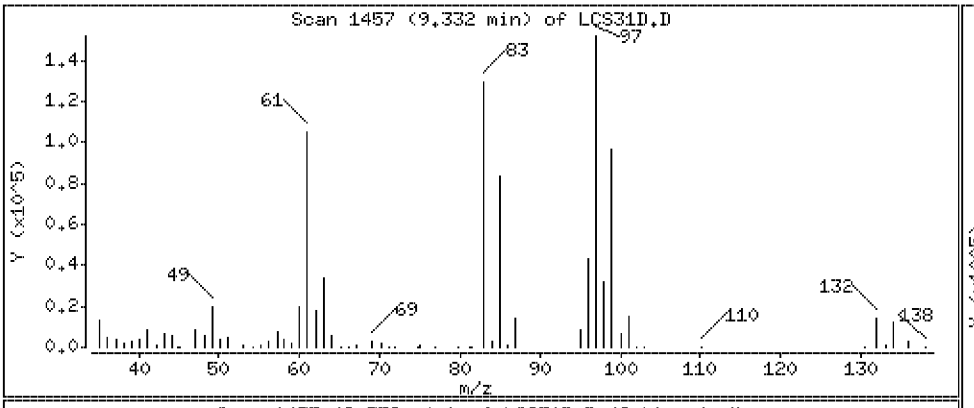
Operator:

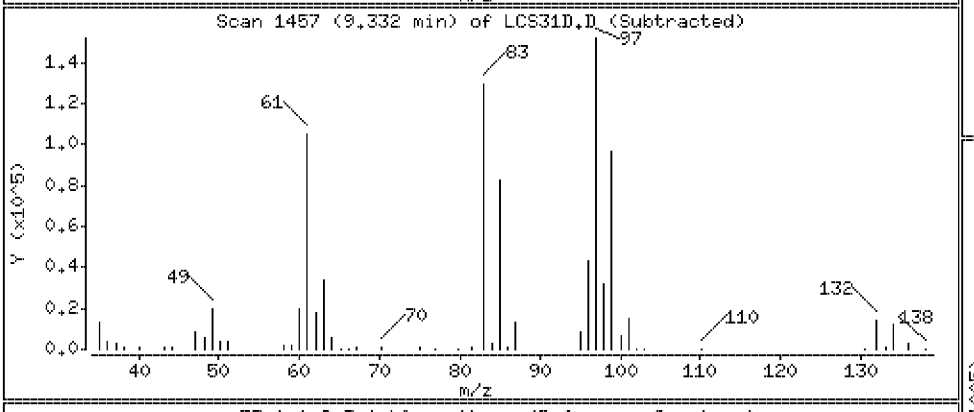
Column phase: DB-624

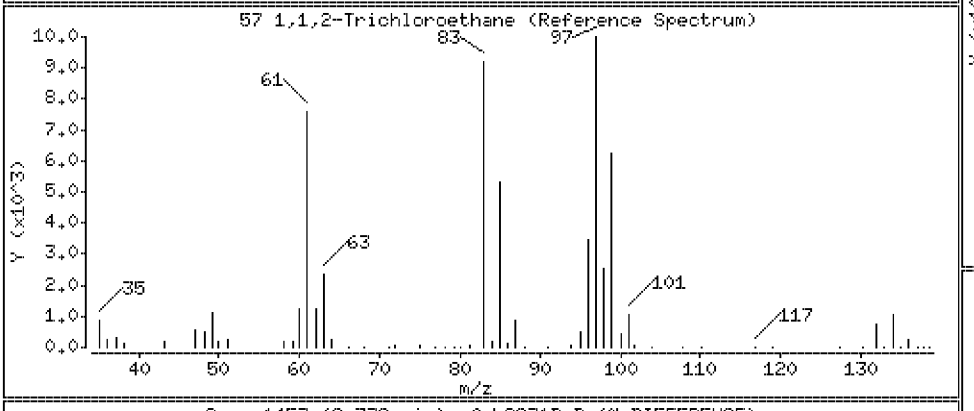
Column diameter: 0.18

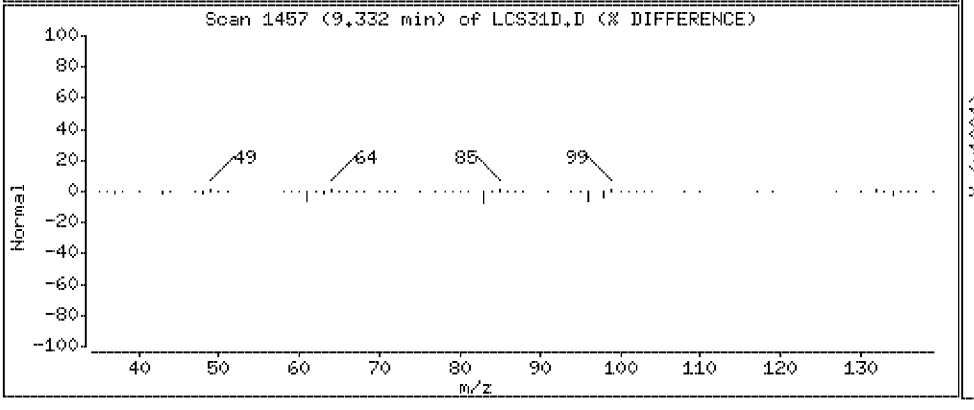
57 1,1,2-Trichloroethane

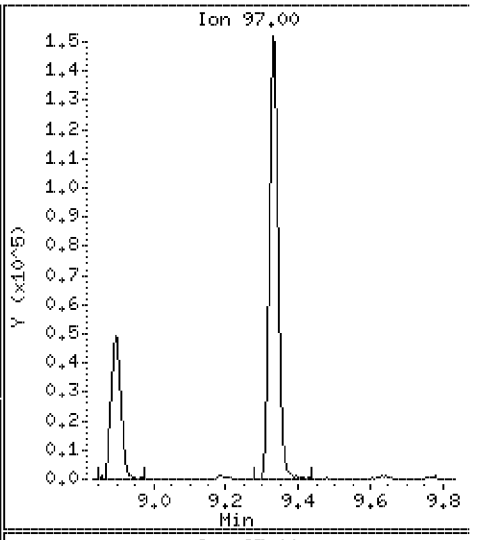
Concentration: 19.6 ug/l

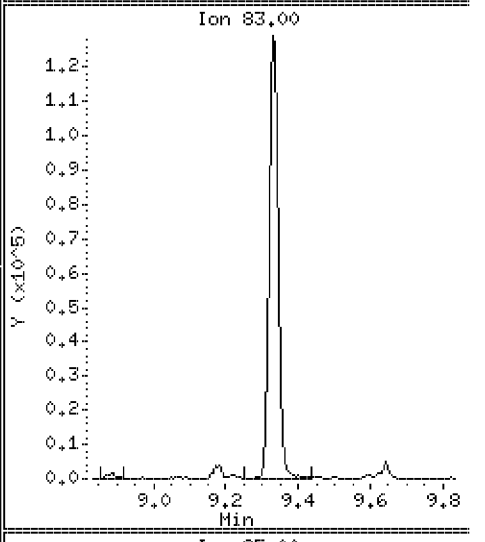


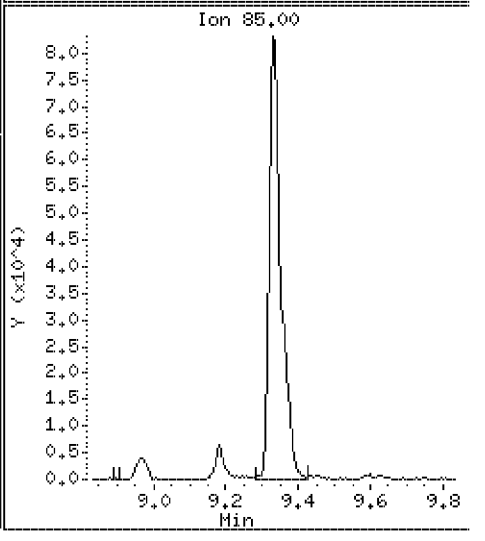












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

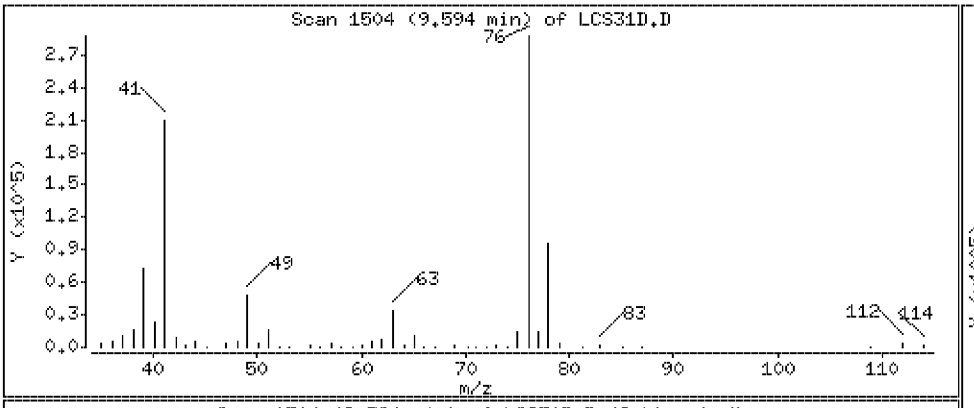
Operator:

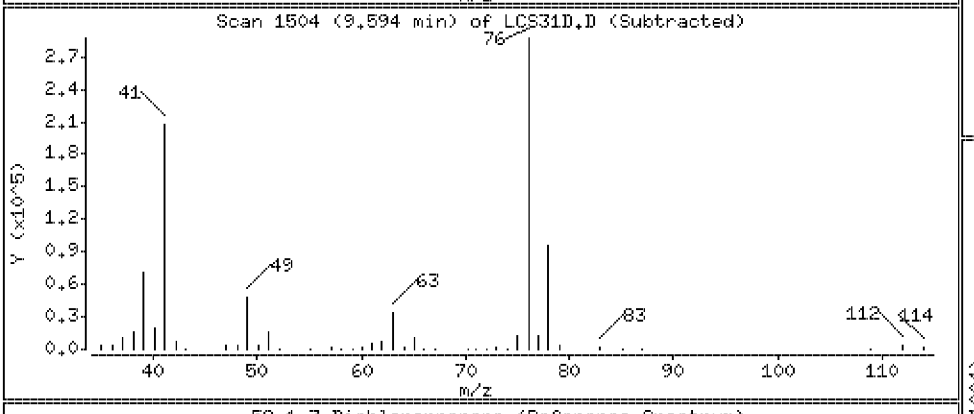
Column phase: DB-624

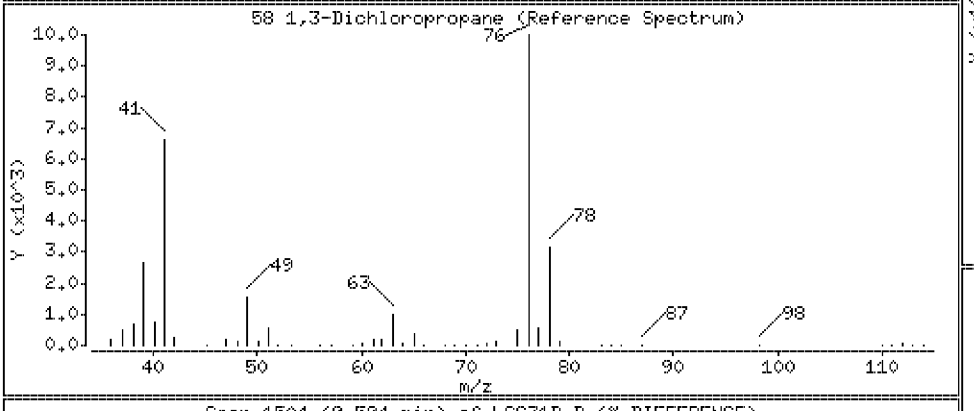
Column diameter: 0.18

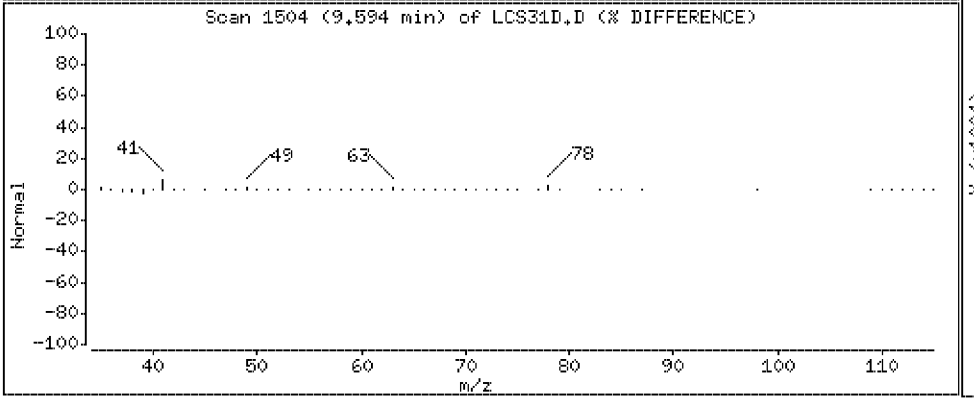
58 1,3-Dichloropropane

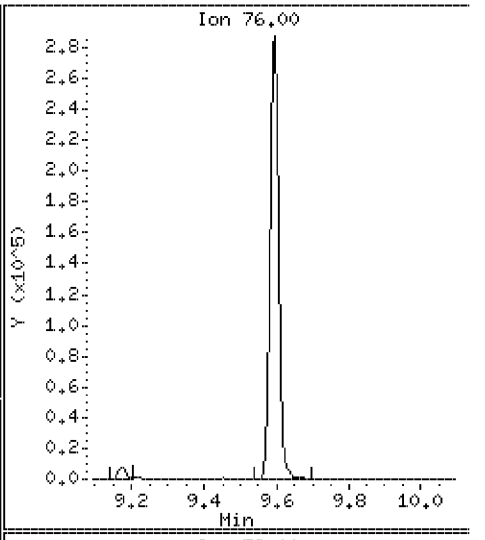
Concentration: 18.7 ug/l

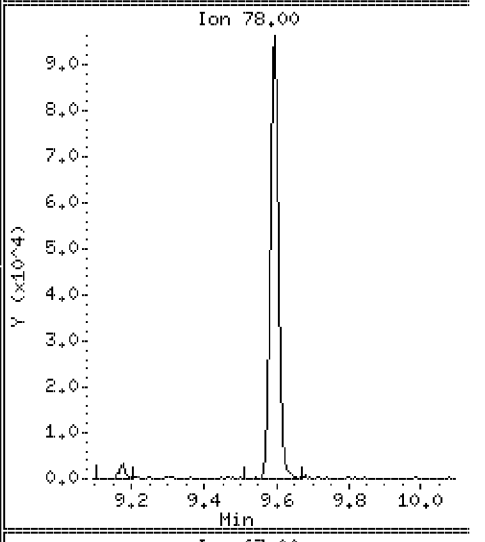


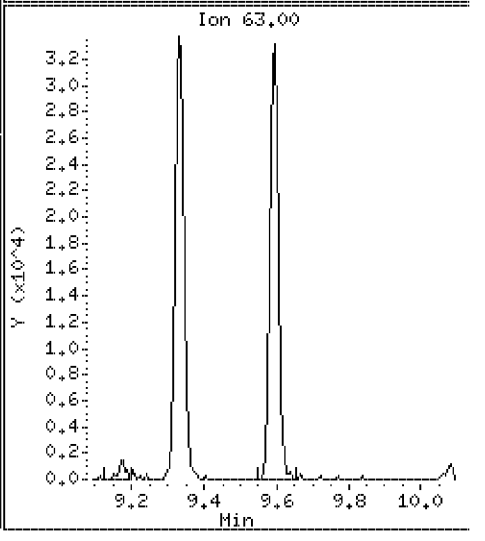












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

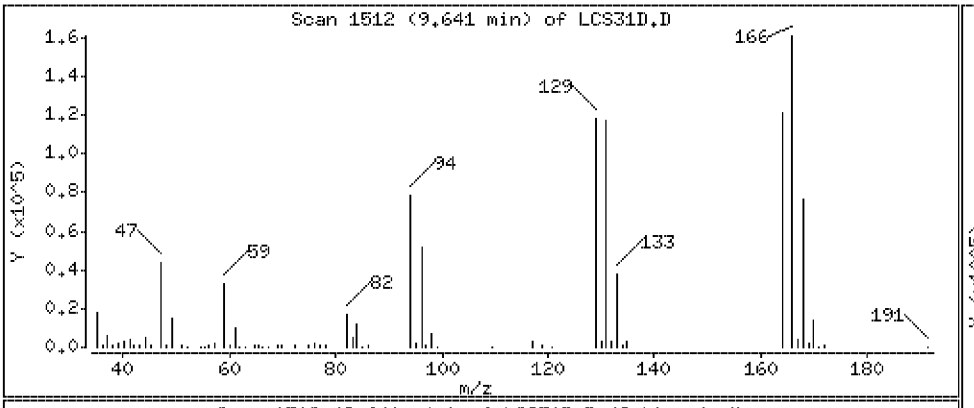
Operator:

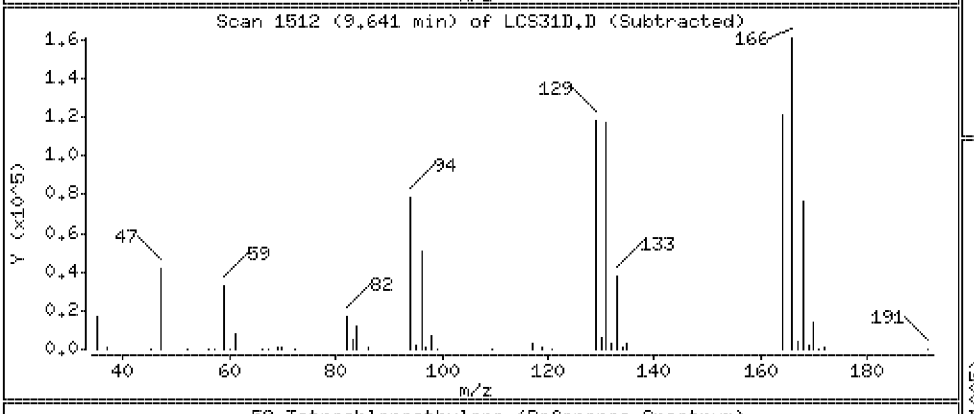
Column phase: DB-624

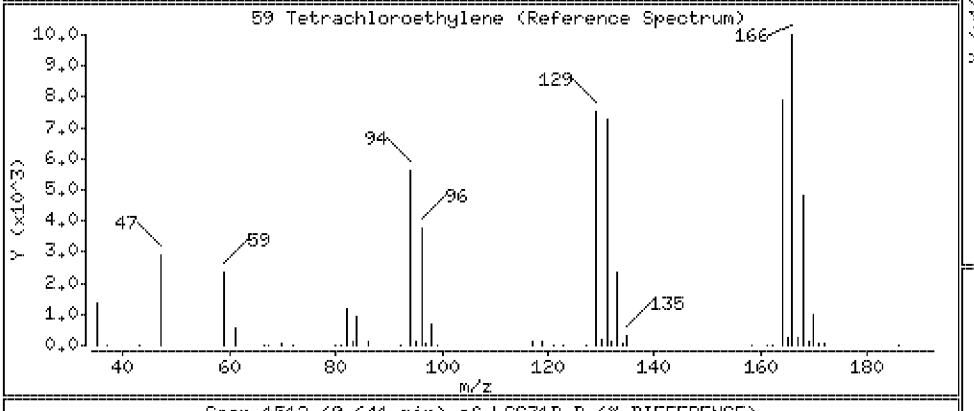
Column diameter: 0.18

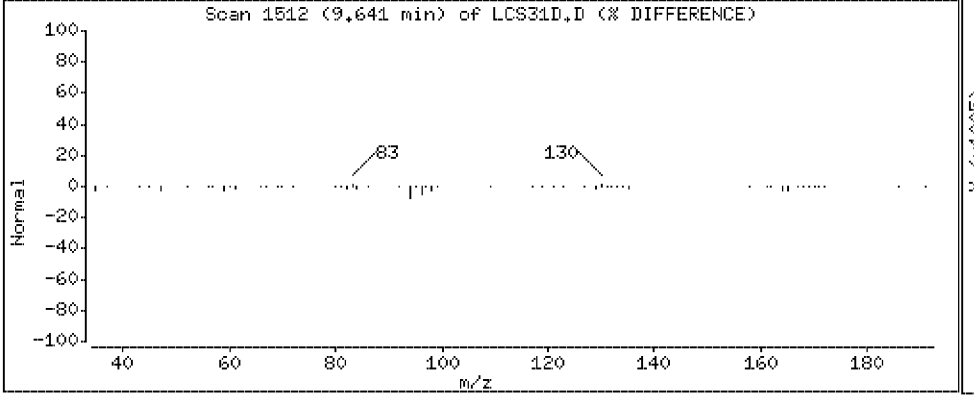
59 Tetrachloroethylene

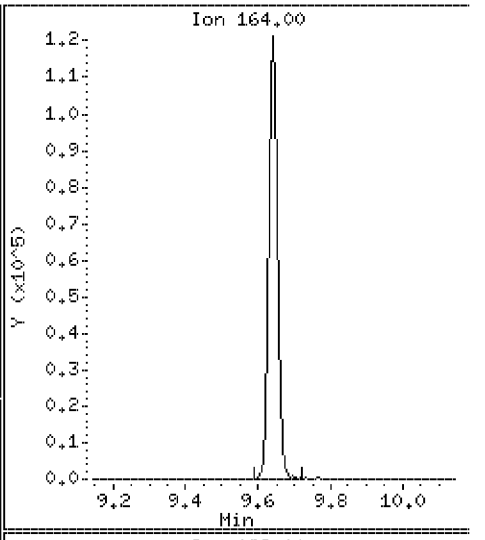
Concentration: 20.0 ug/l

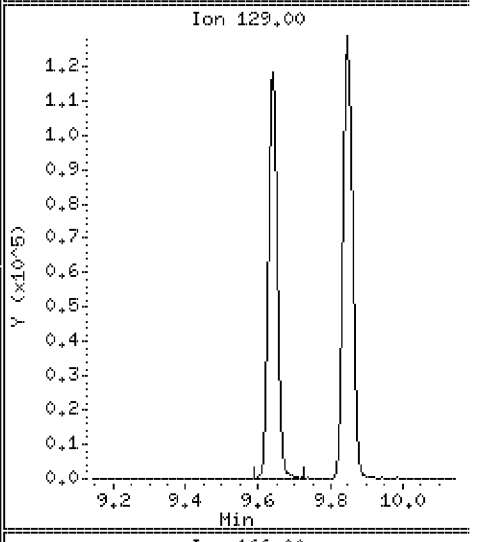


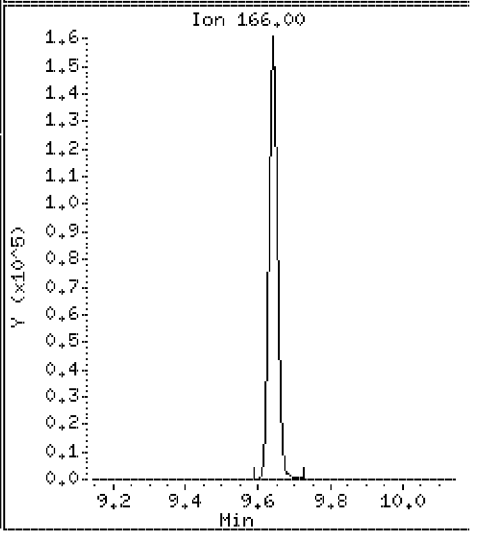












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

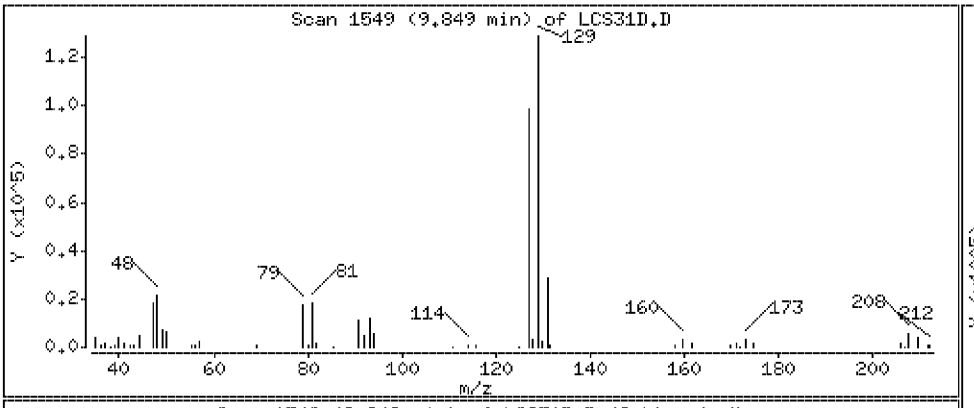
Operator:

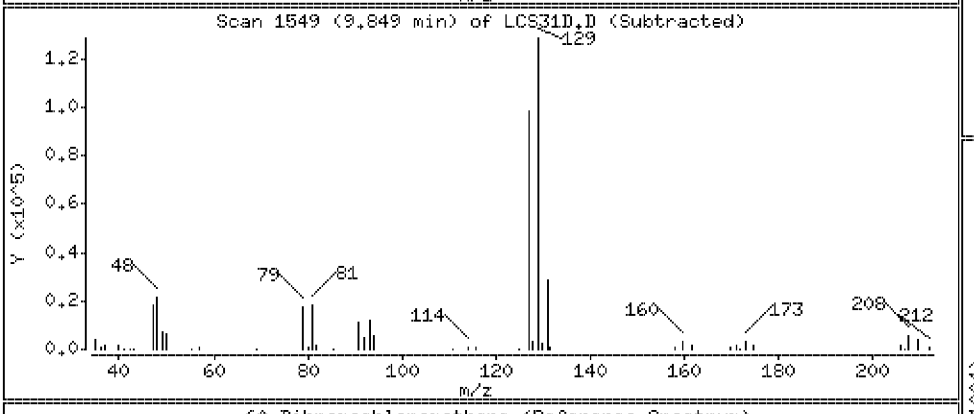
Column phase: DB-624

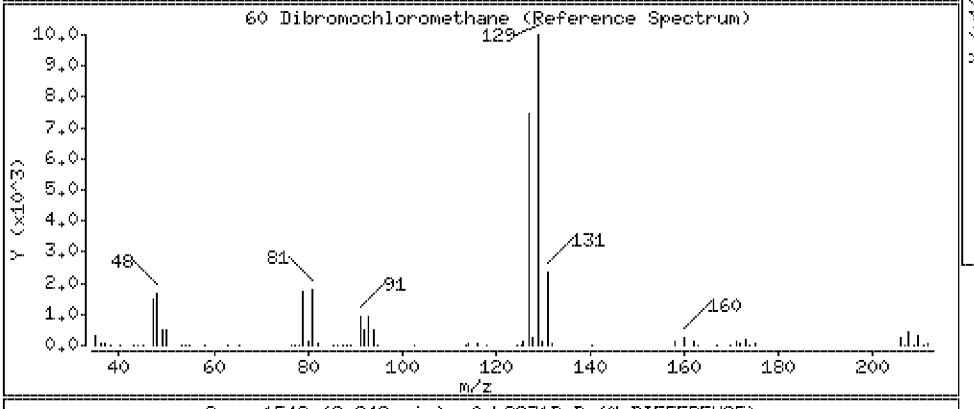
Column diameter: 0.18

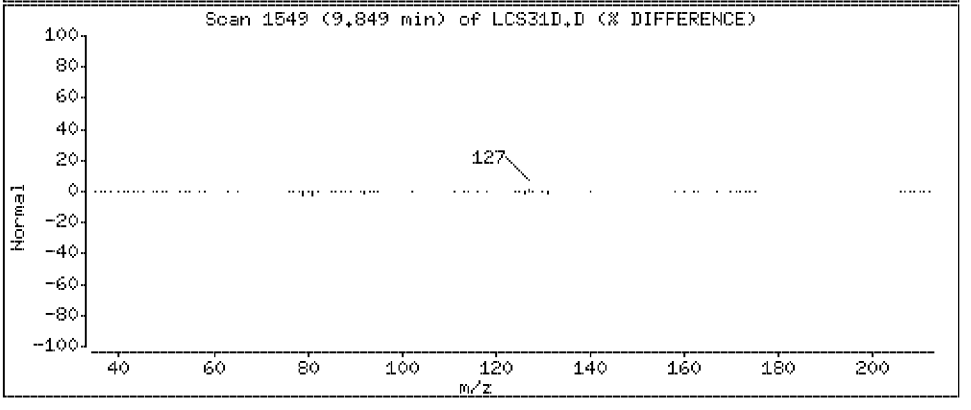
60 Dibromochloromethane

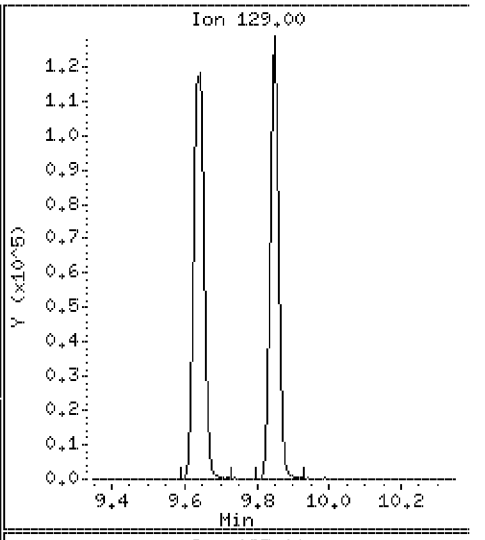
Concentration: 19.5 ug/l

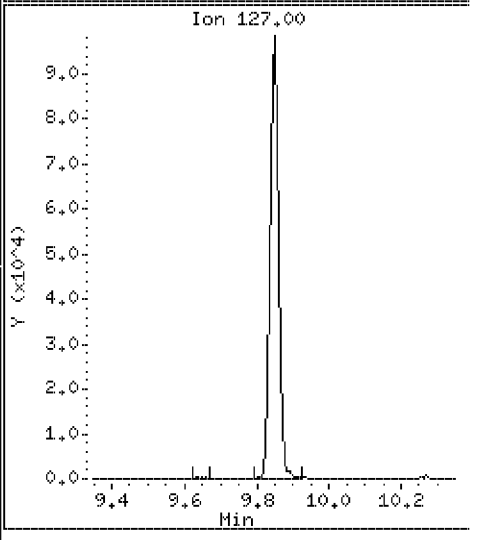












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

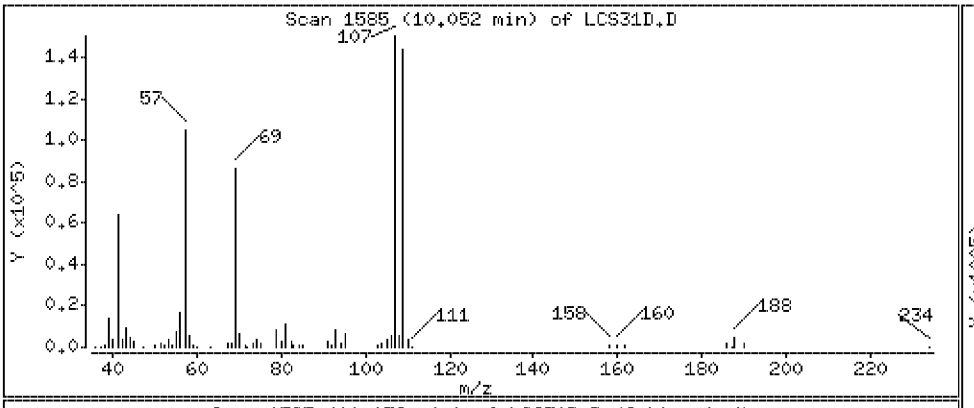
Operator:

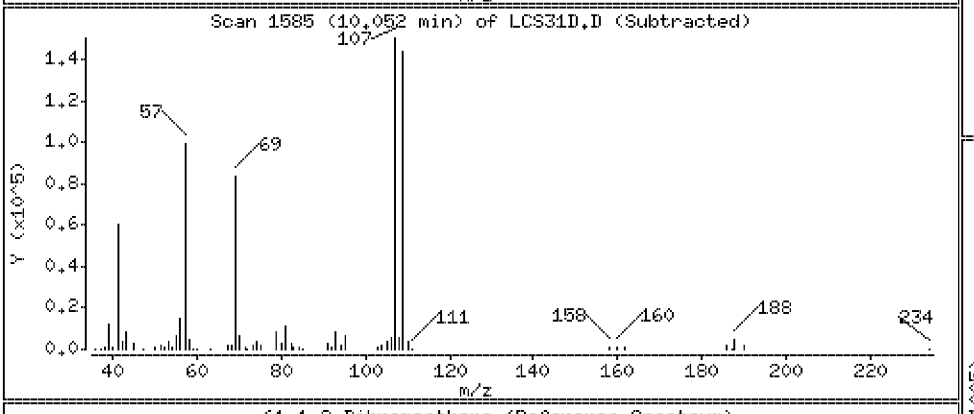
Column phase: DB-624

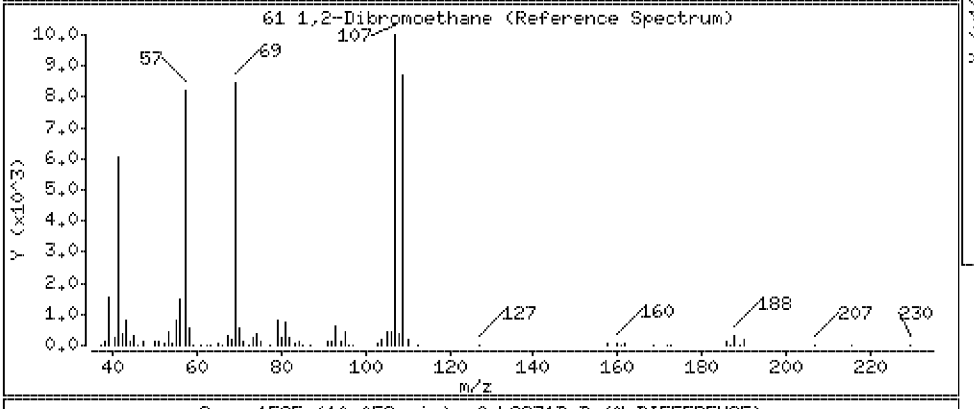
Column diameter: 0.18

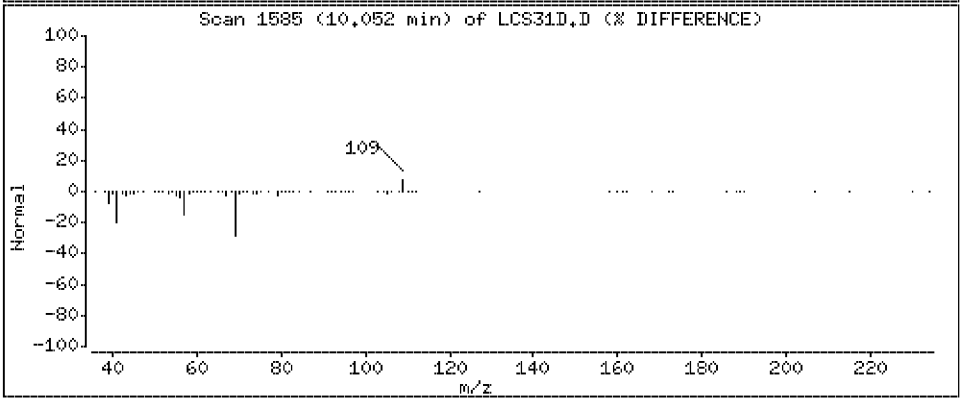
61 1,2-Dibromoethane

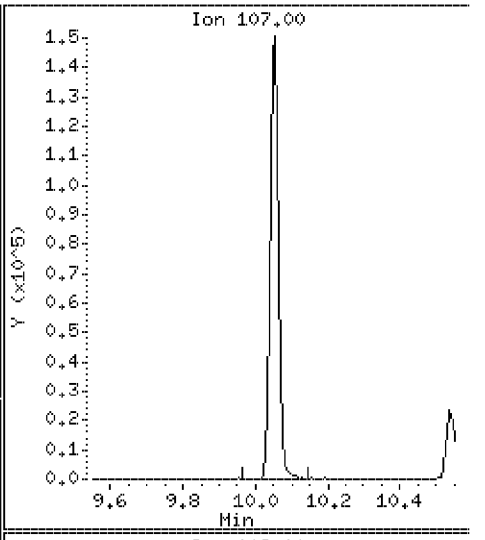
Concentration: 19.4 ug/l

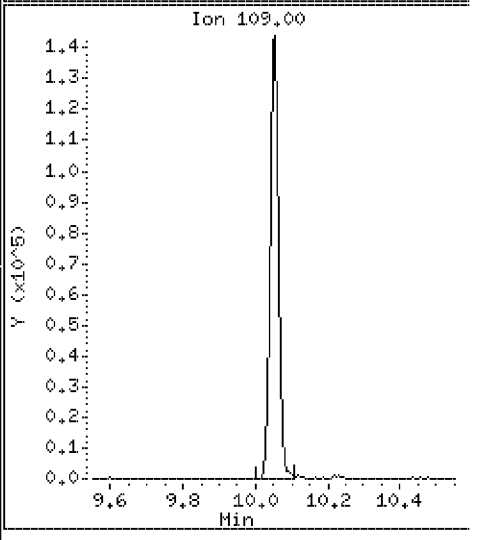












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

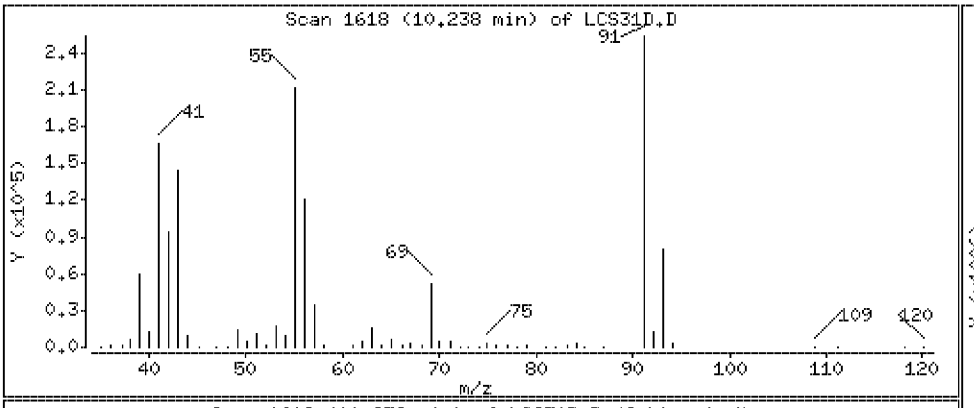
Operator:

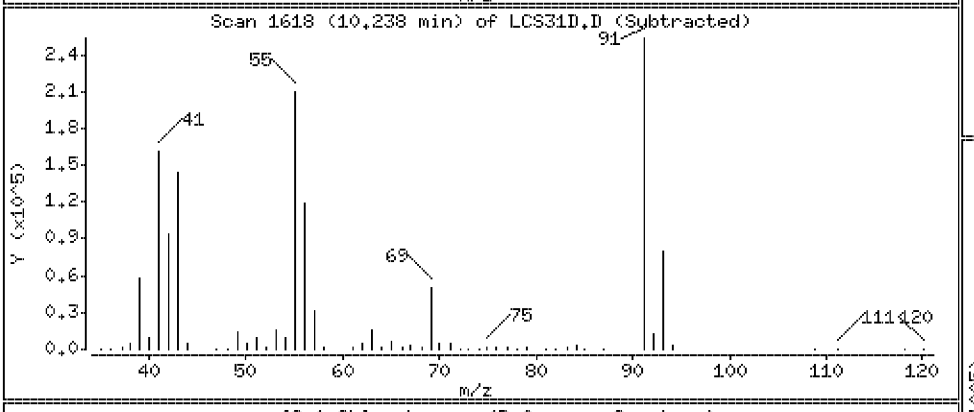
Column phase: DB-624

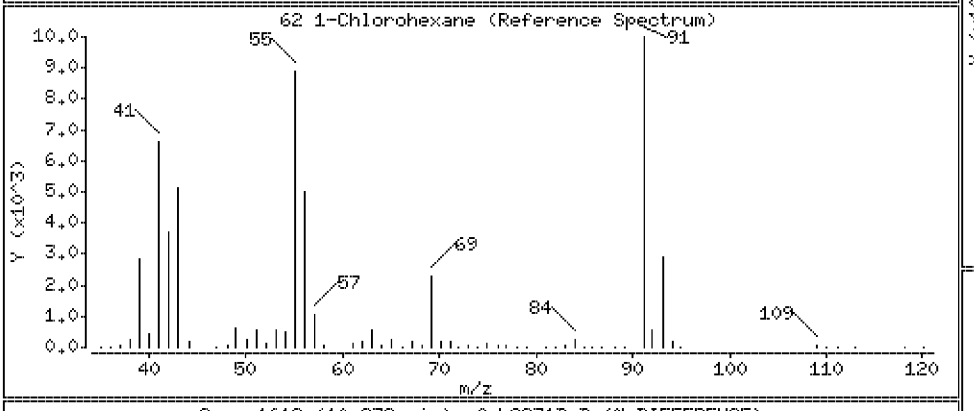
Column diameter: 0.18

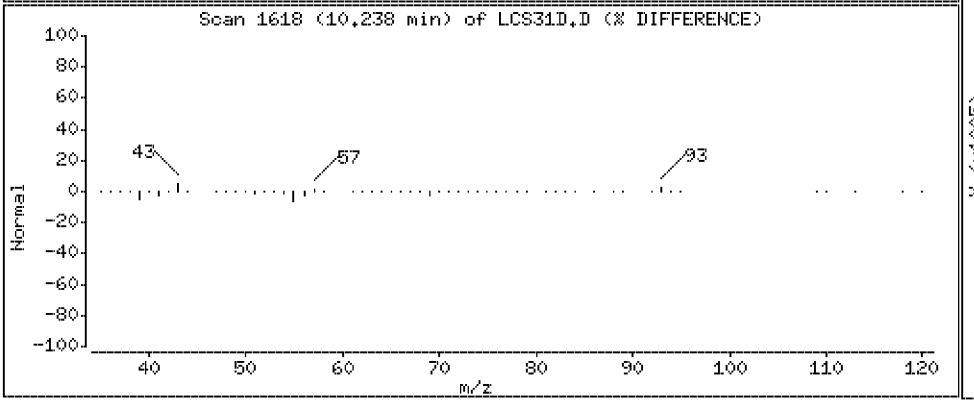
62 1-Chlorohexane

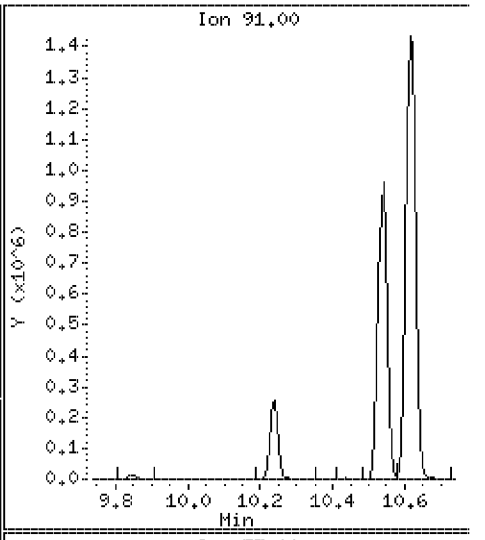
Concentration: 21.2 ug/l

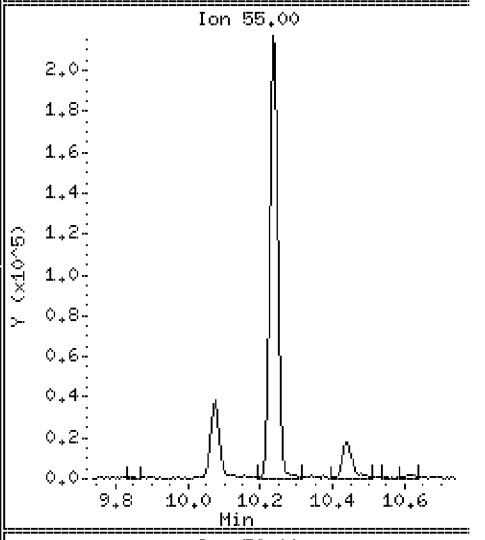


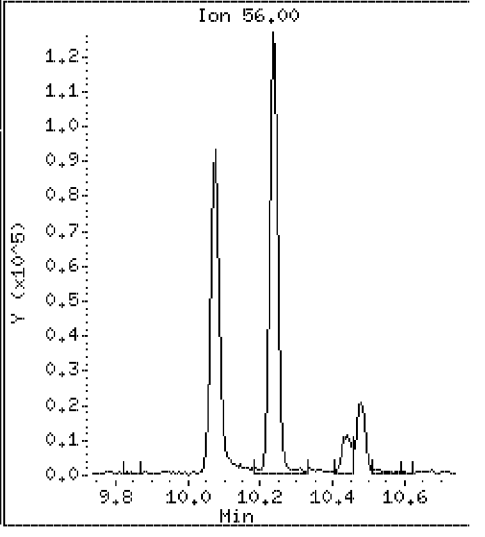












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

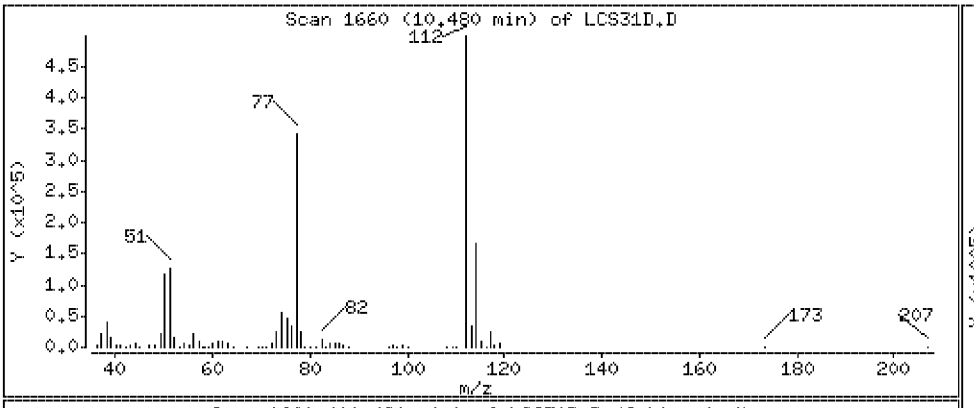
Operator:

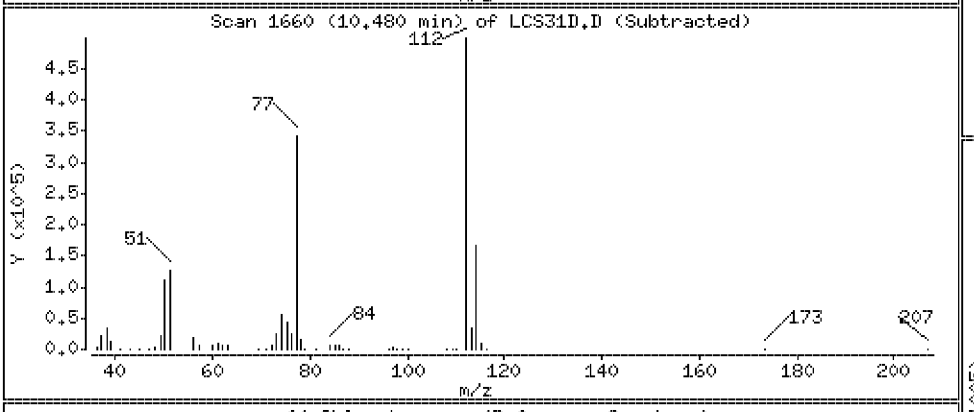
Column phase: DB-624

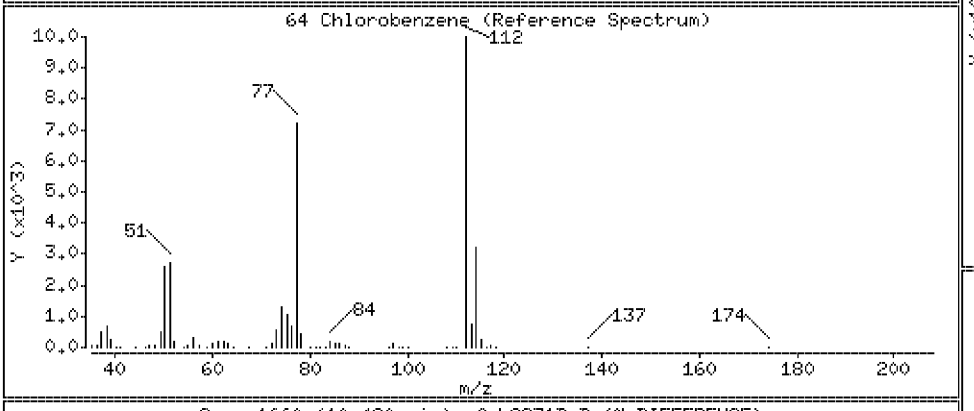
Column diameter: 0.18

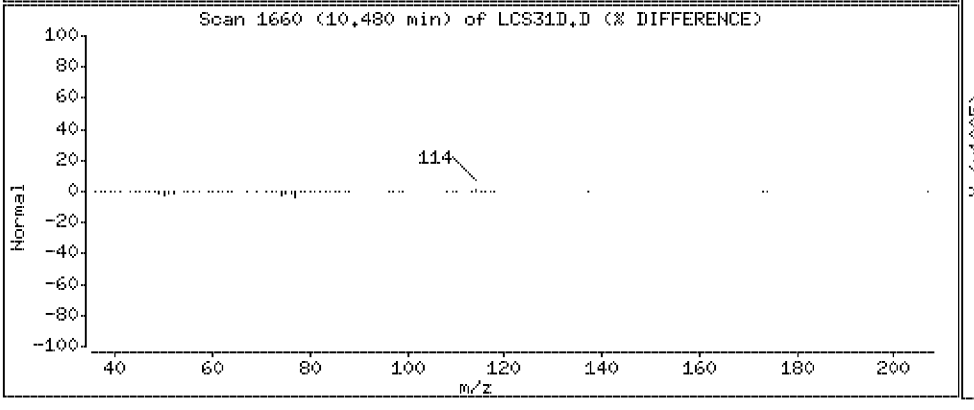
64 Chlorobenzene

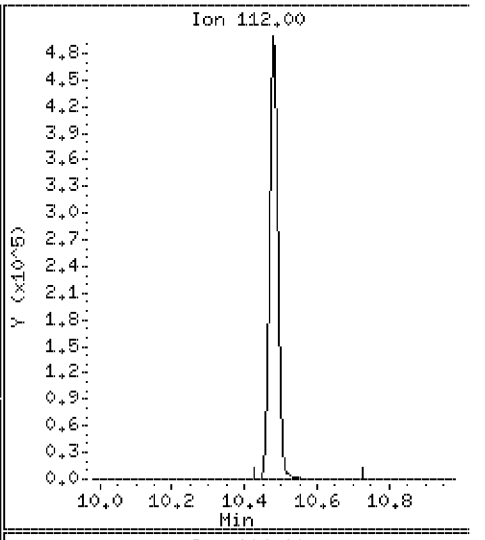
Concentration: 19.7 ug/l

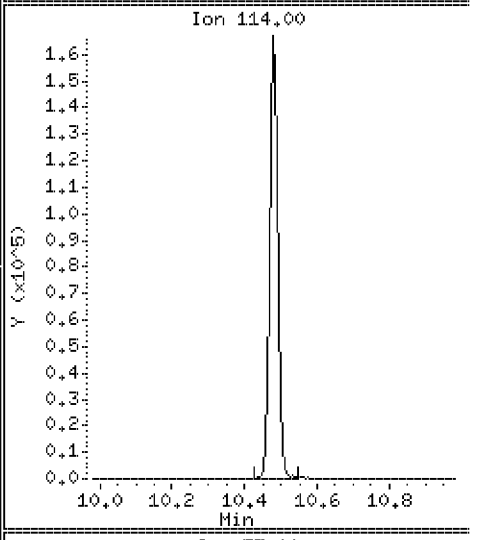


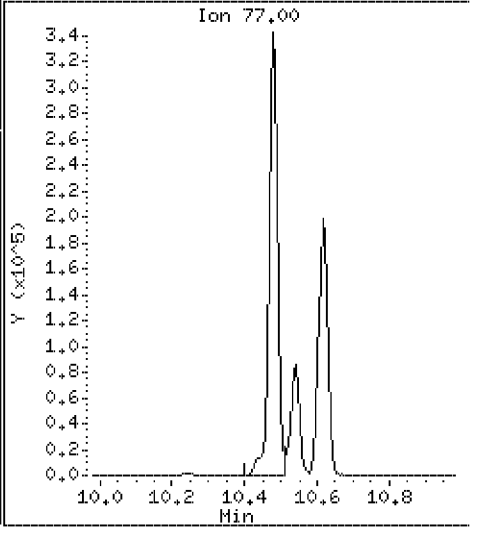












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

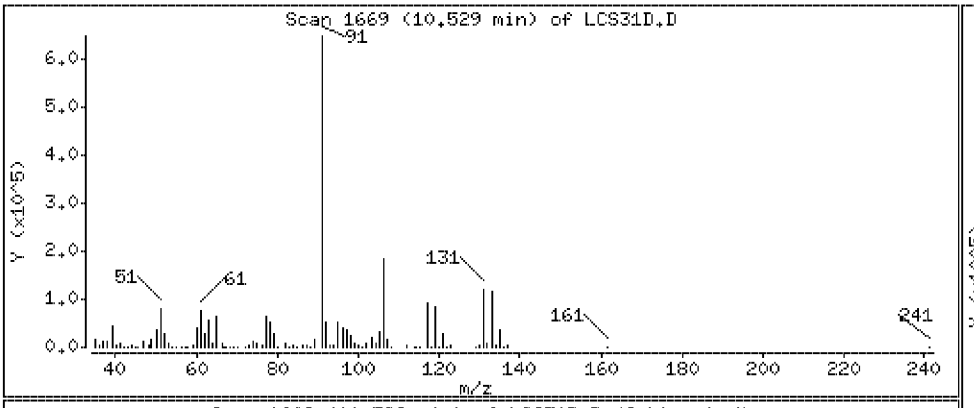
Operator:

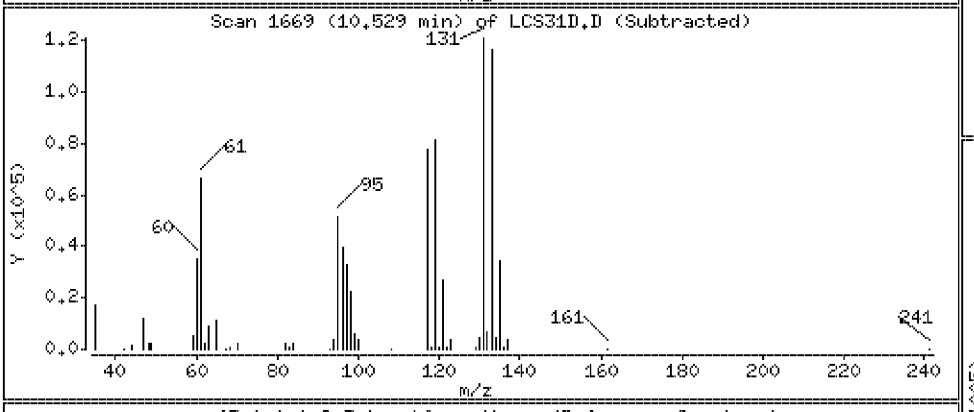
Column phase: DB-624

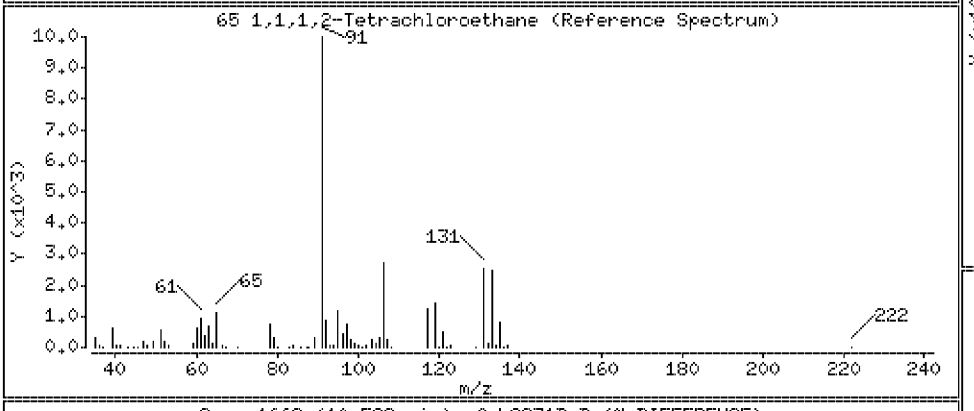
Column diameter: 0.18

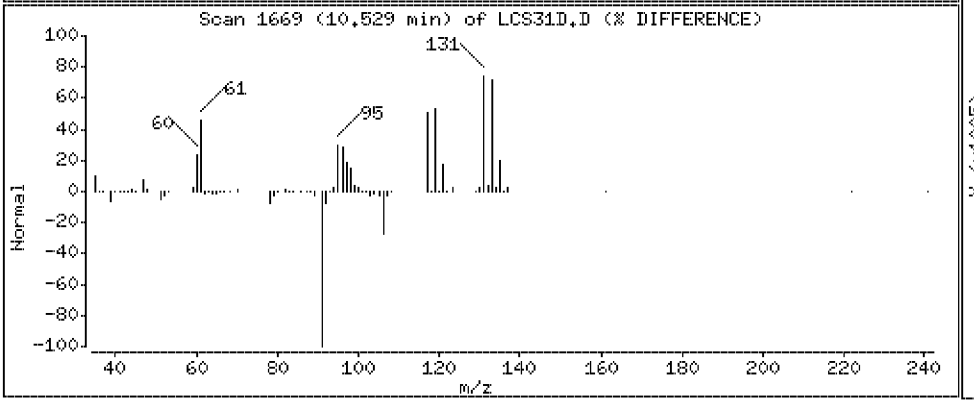
65 1,1,1,2-Tetrachloroethane

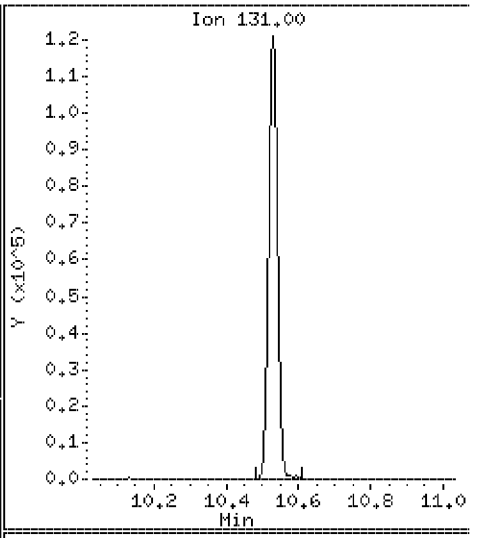
Concentration: 19.2 ug/l

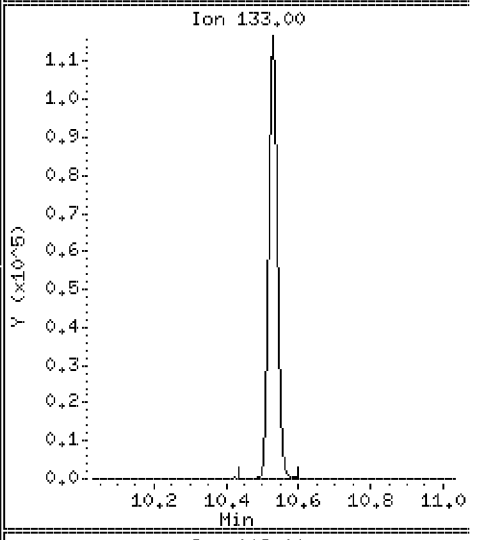


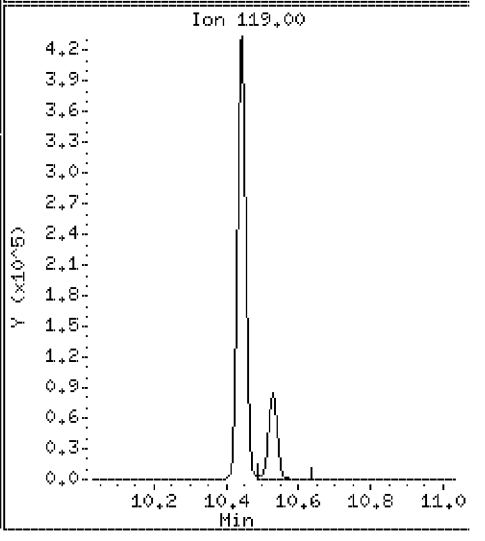












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

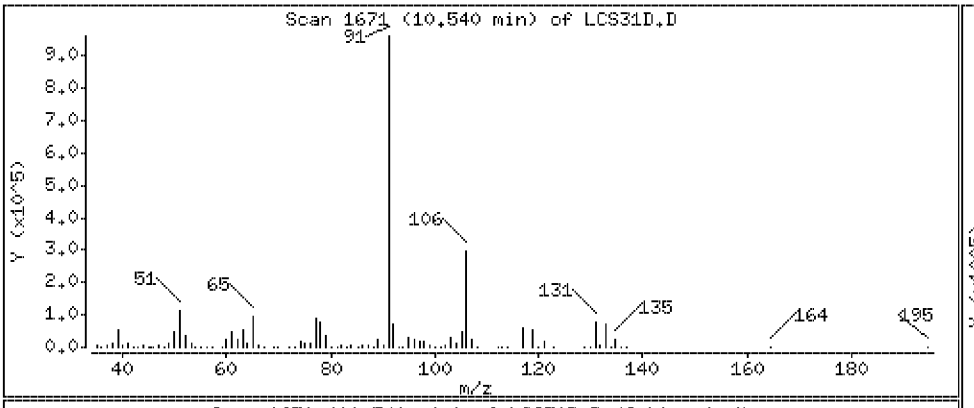
Operator:

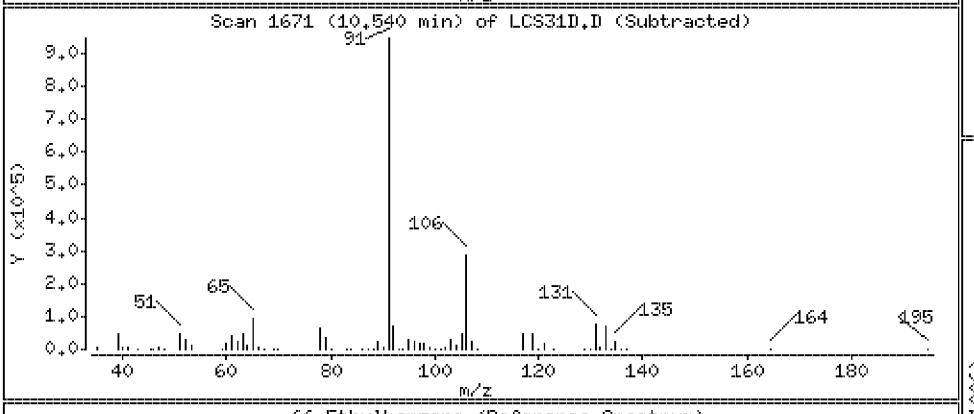
Column phase: DB-624

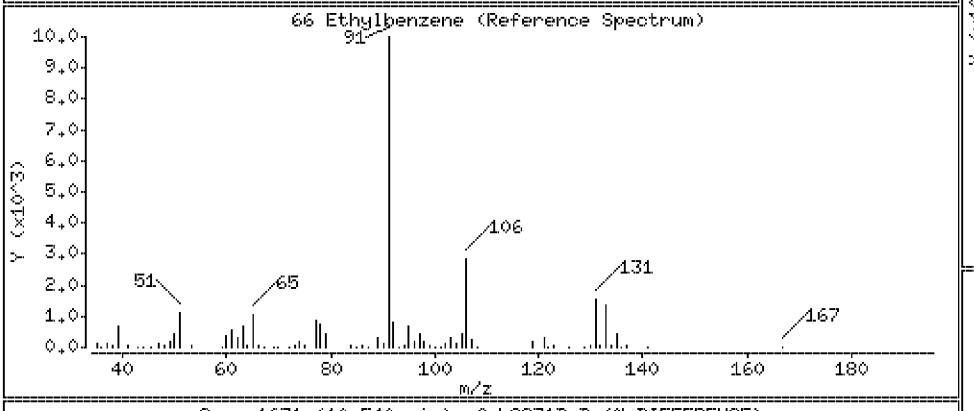
Column diameter: 0.18

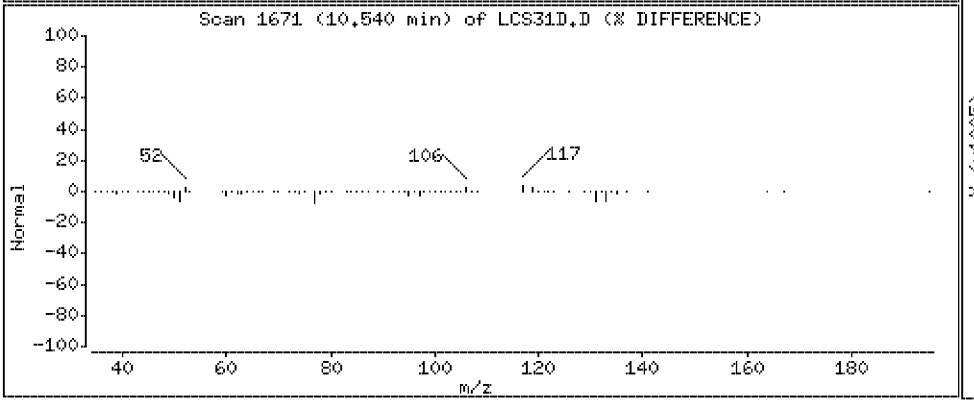
66 Ethylbenzene

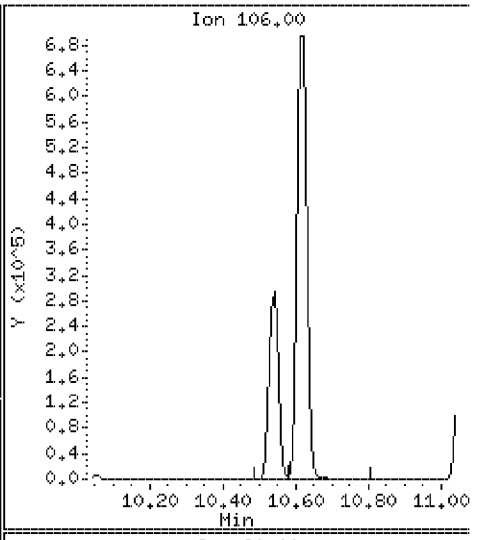
Concentration: 20.3 ug/l

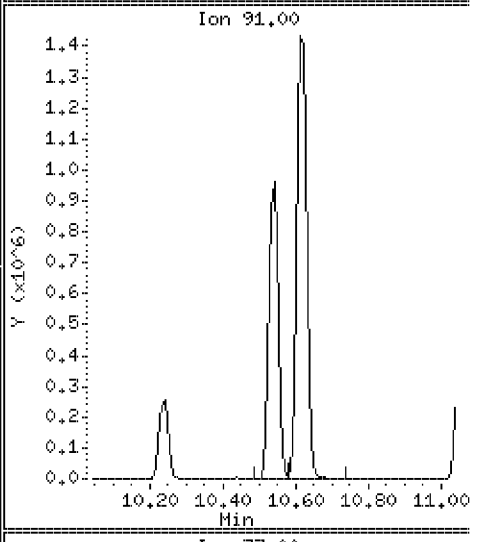


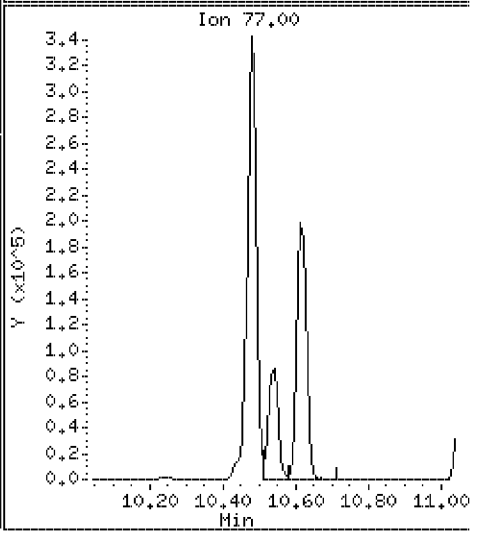












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

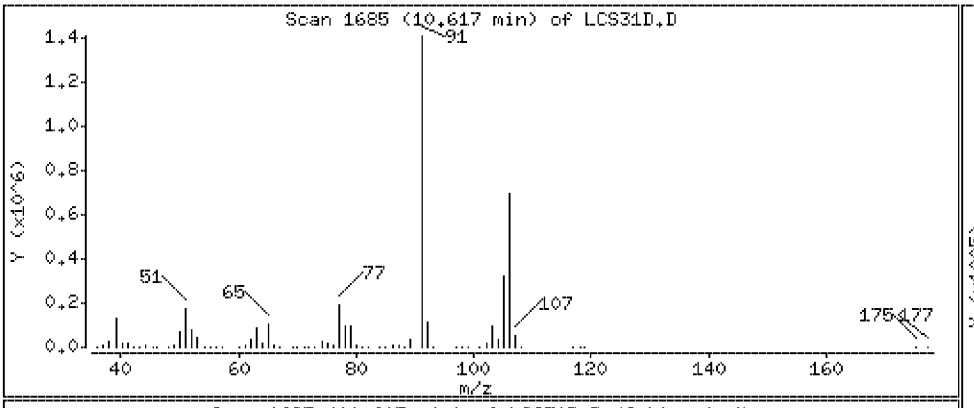
Operator:

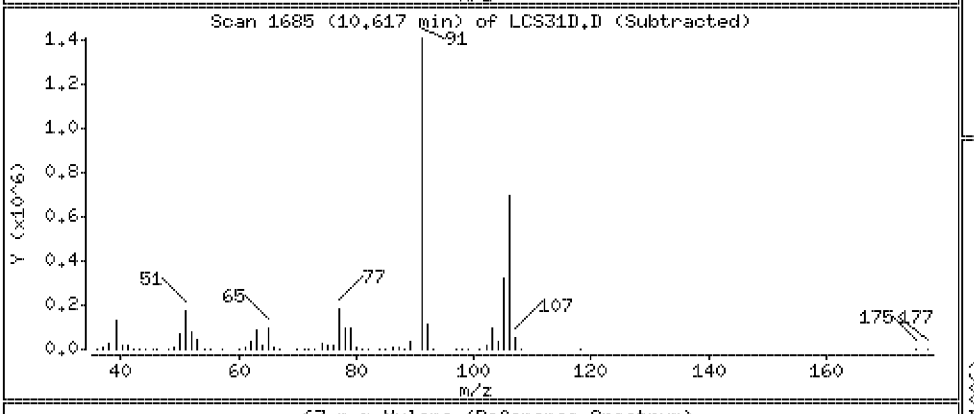
Column phase: DB-624

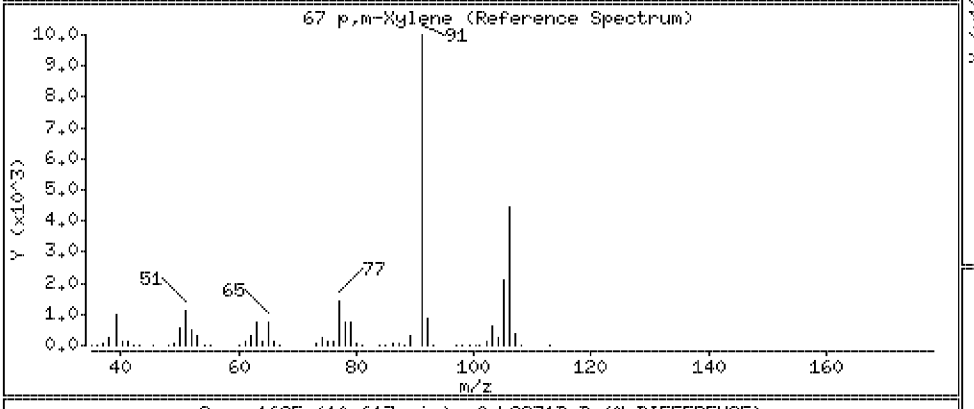
Column diameter: 0.18

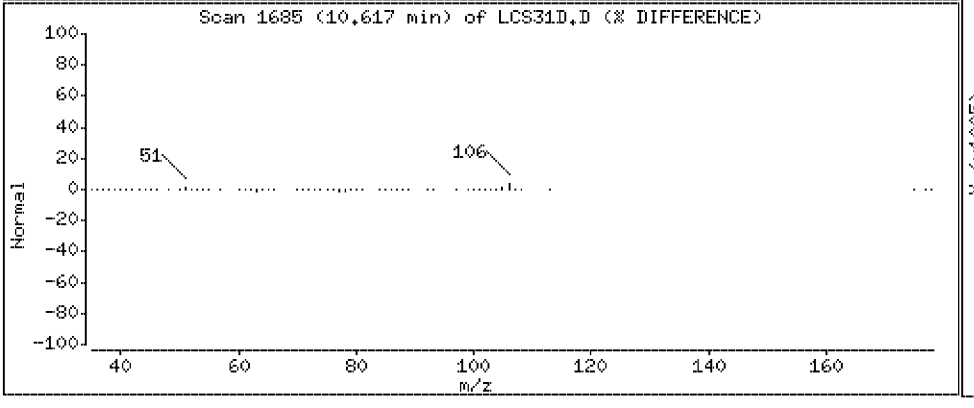
67 p,m-Xylene

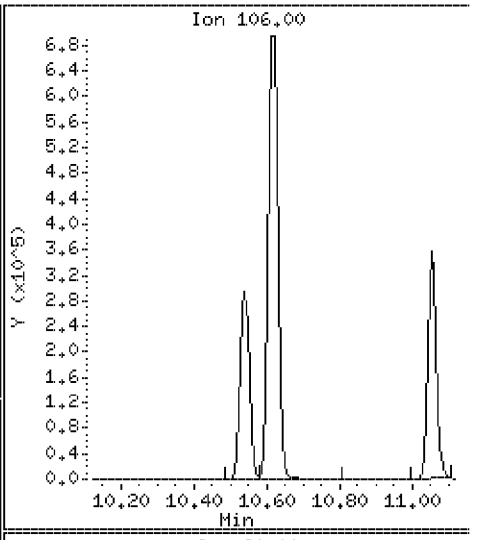
Concentration: 38.6 ug/l

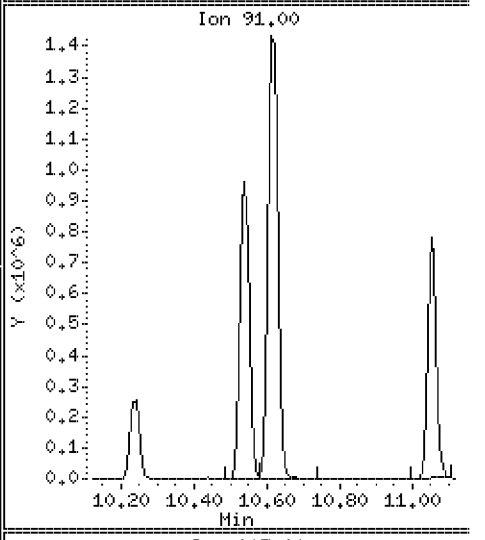


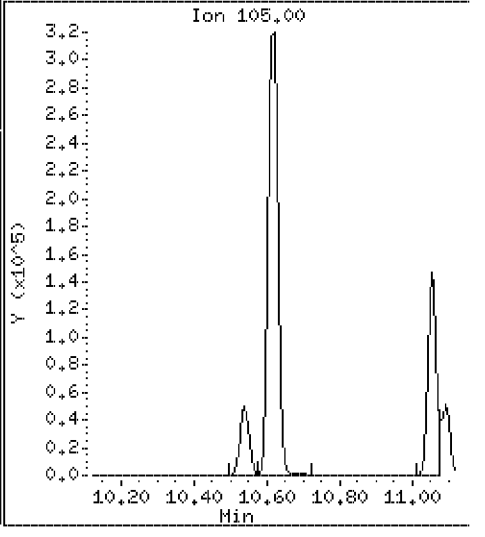












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

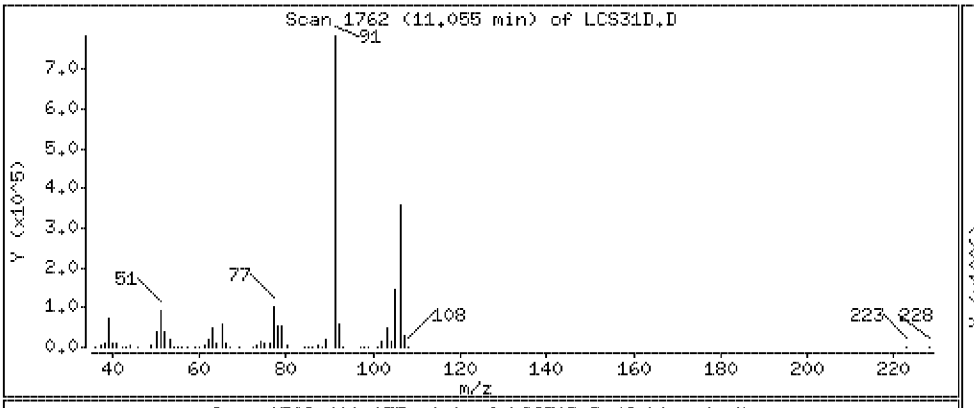
Operator:

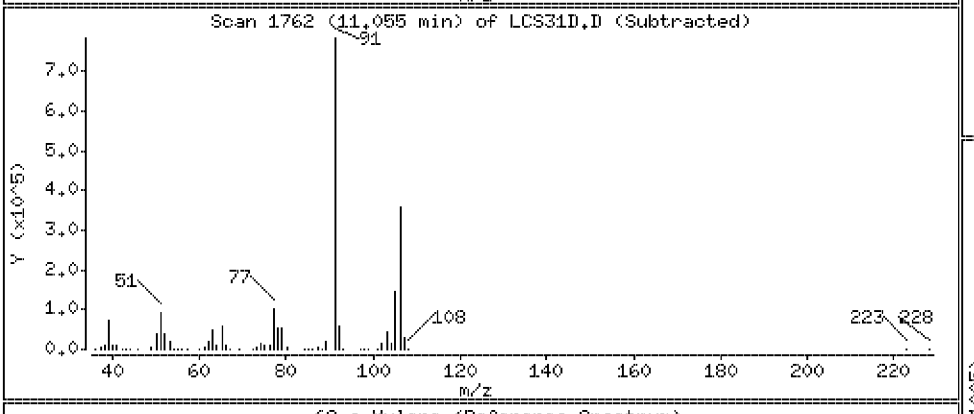
Column phase: DB-624

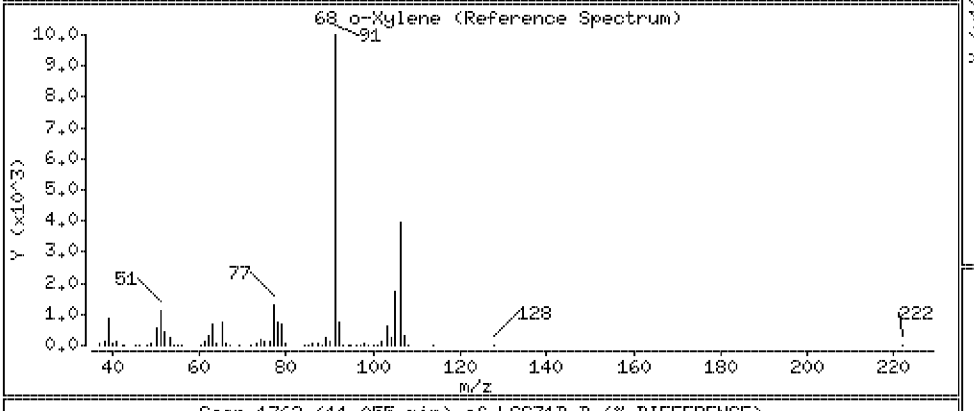
Column diameter: 0.18

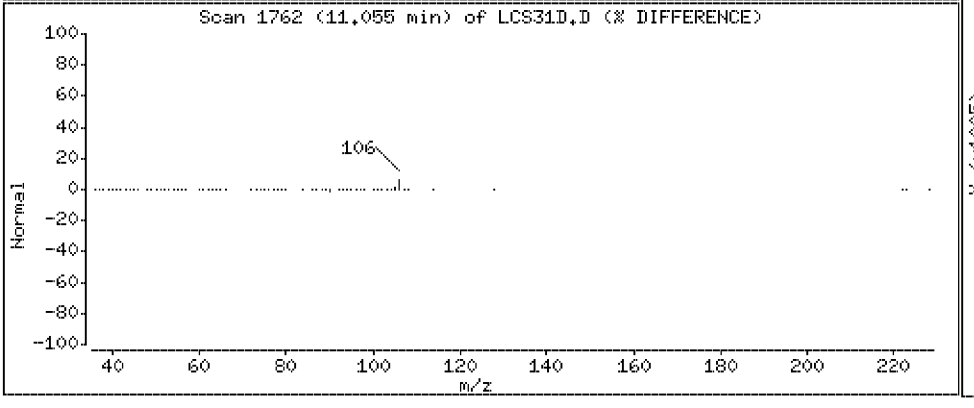
68 o-Xylene

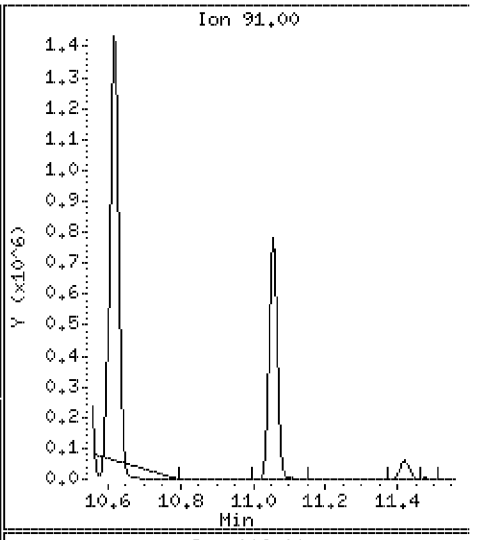
Concentration: 19.9 ug/l

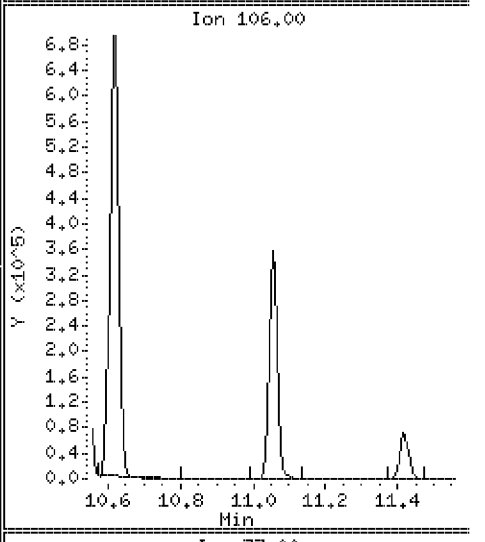


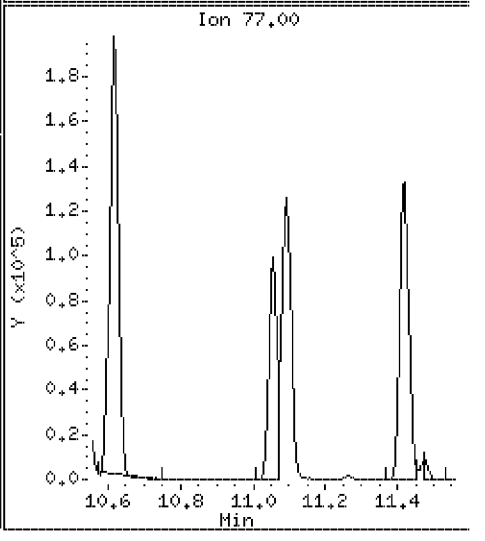












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

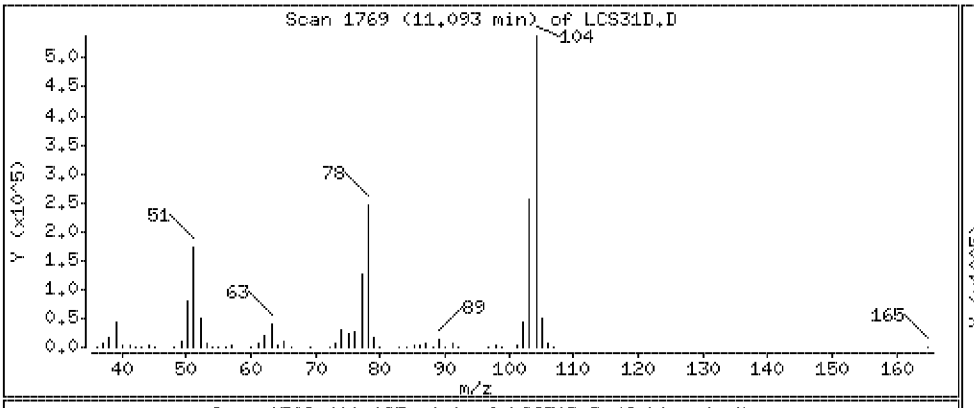
Operator:

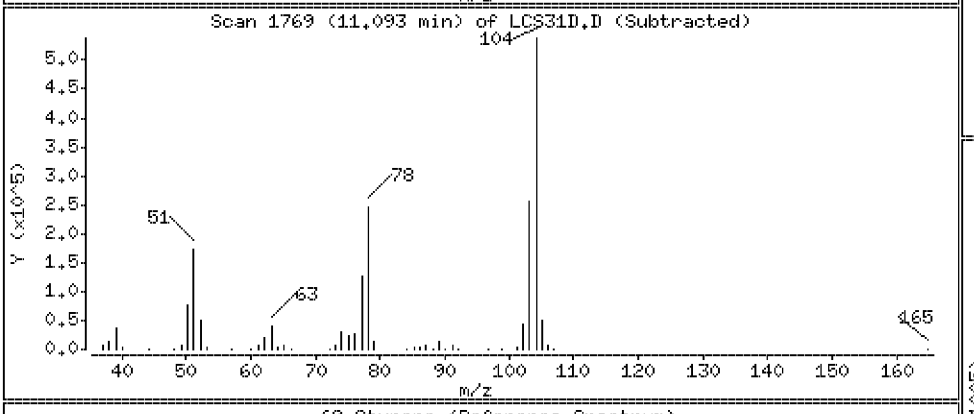
Column phase: DB-624

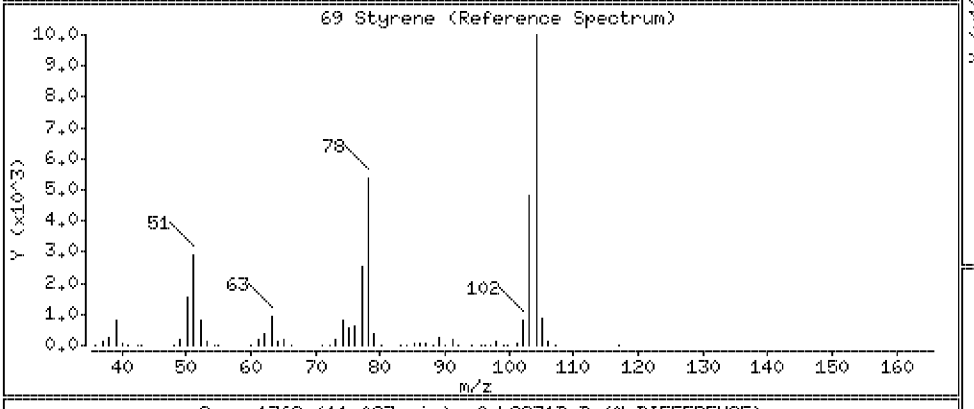
Column diameter: 0.18

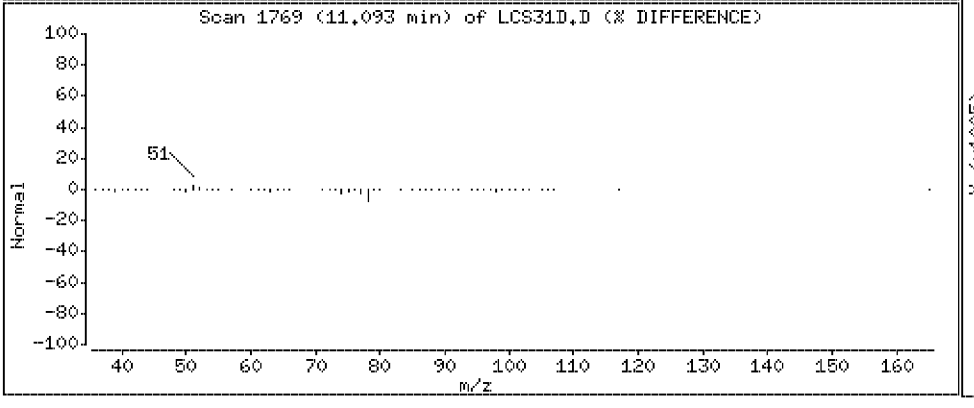
69 Styrene

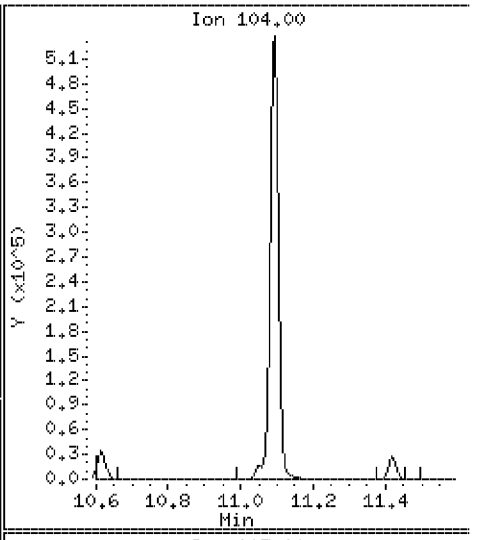
Concentration: 20.5 ug/l

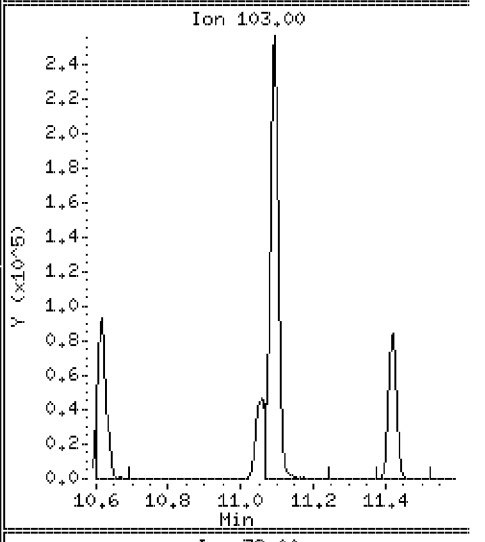


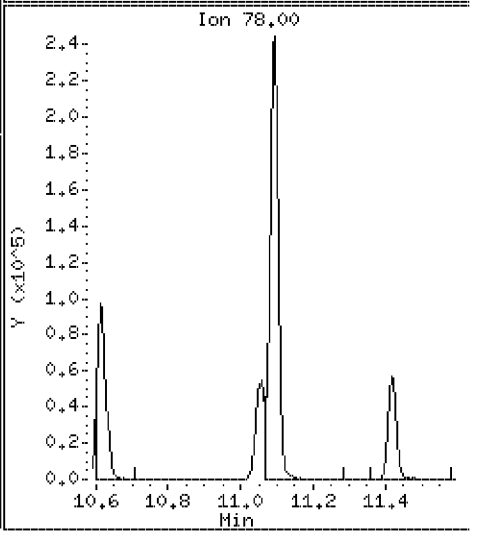












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

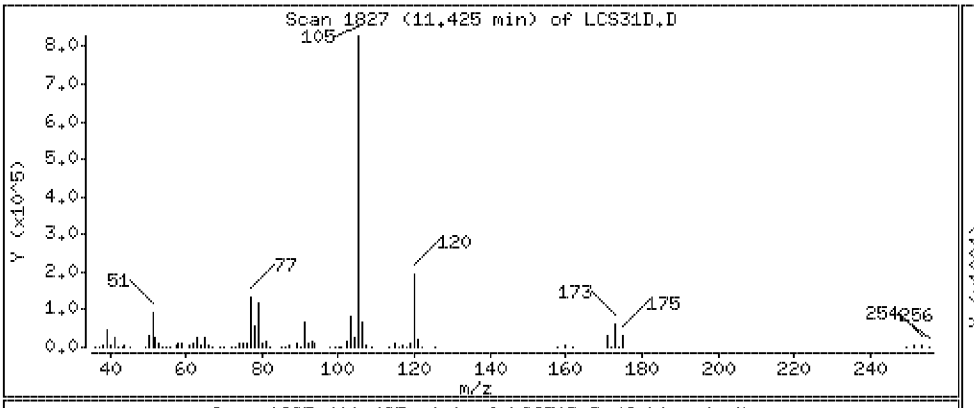
Operator:

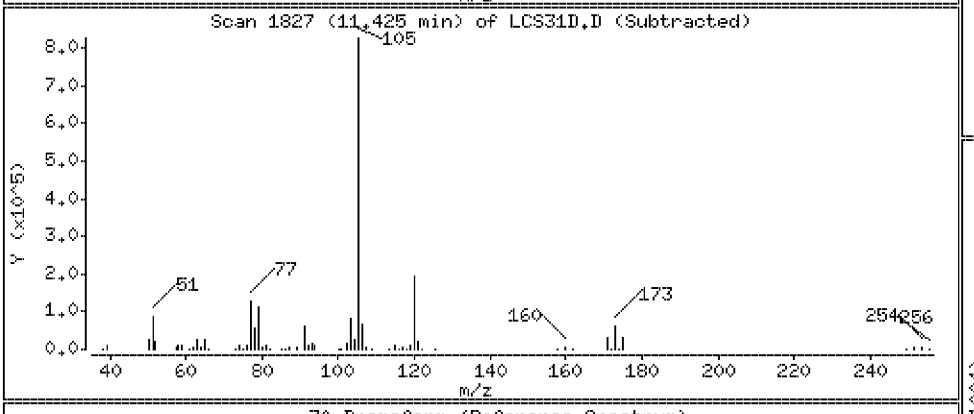
Column phase: DB-624

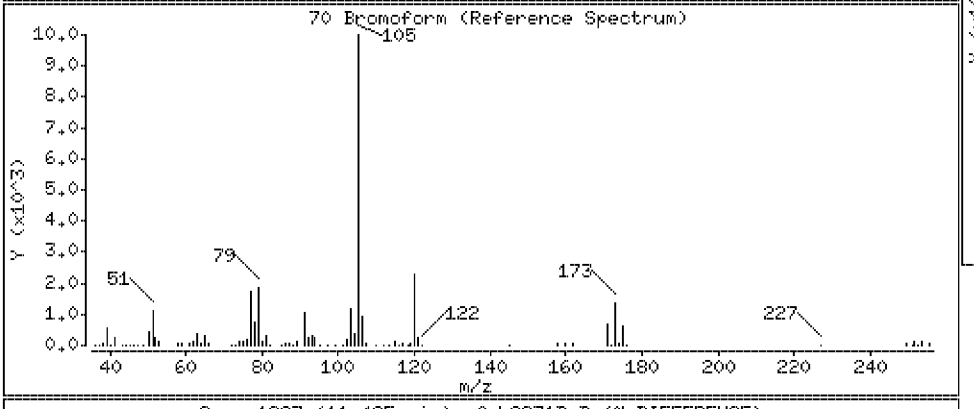
Column diameter: 0.18

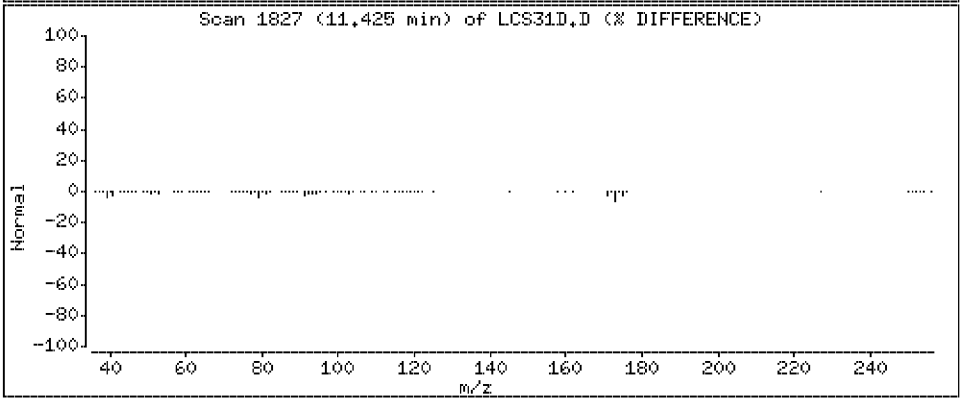
70 Bromoform

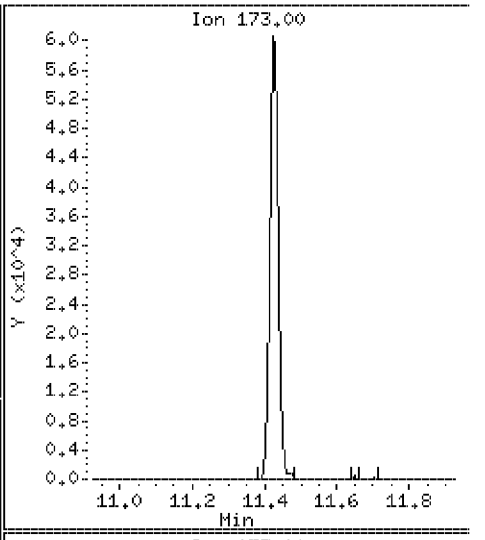
Concentration: 17.0 ug/l

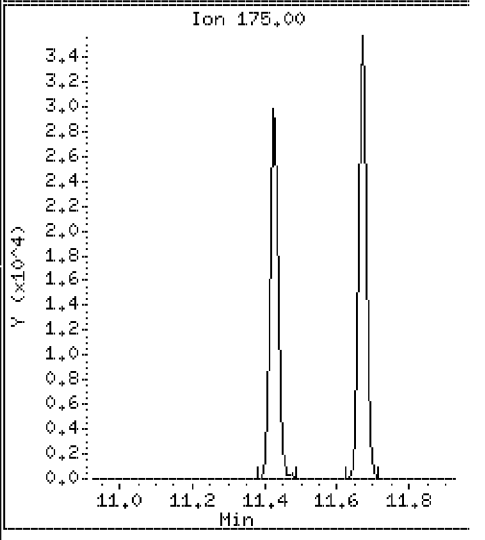












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

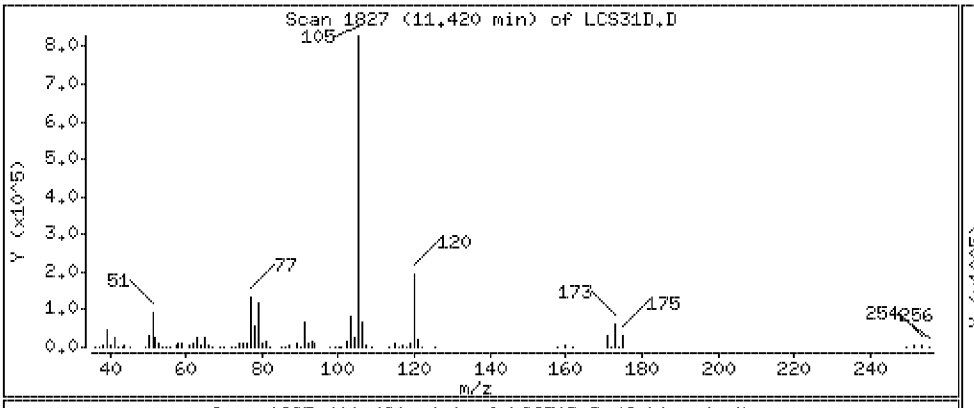
Operator:

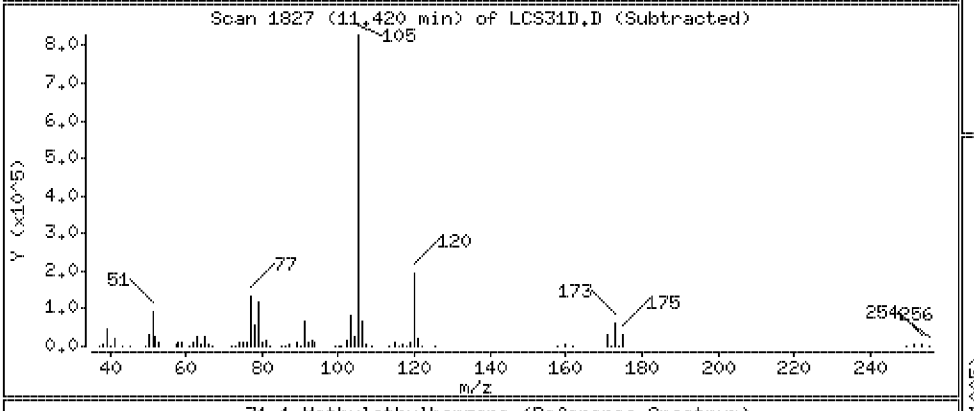
Column phase: DB-624

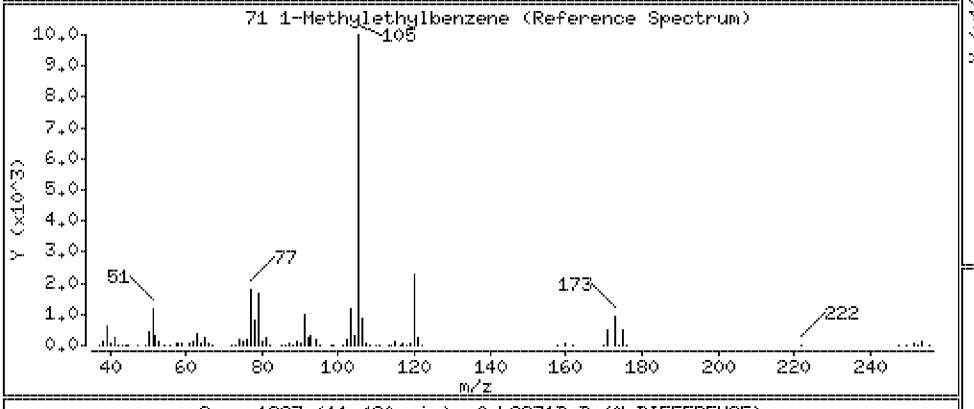
Column diameter: 0.18

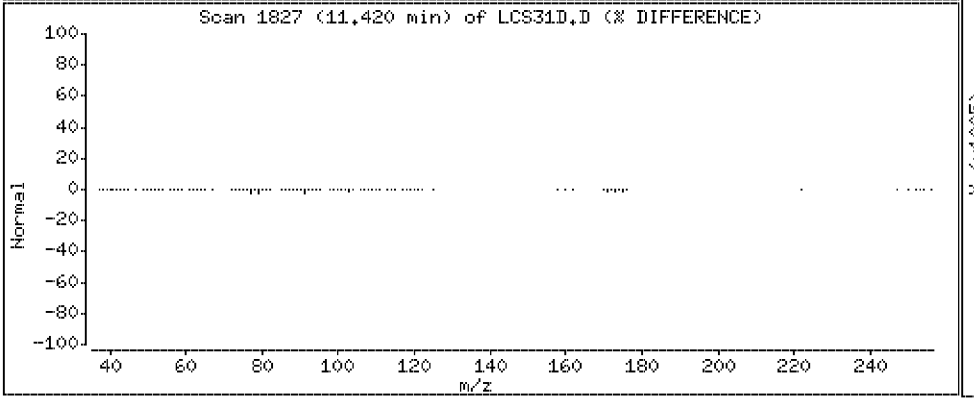
71 1-Methylethylbenzene

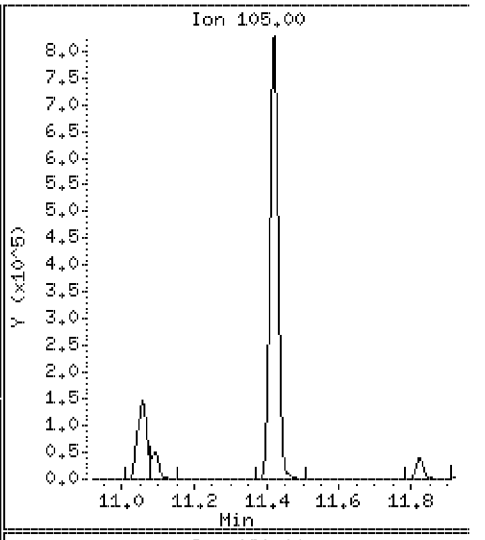
Concentration: 19.9 ug/l

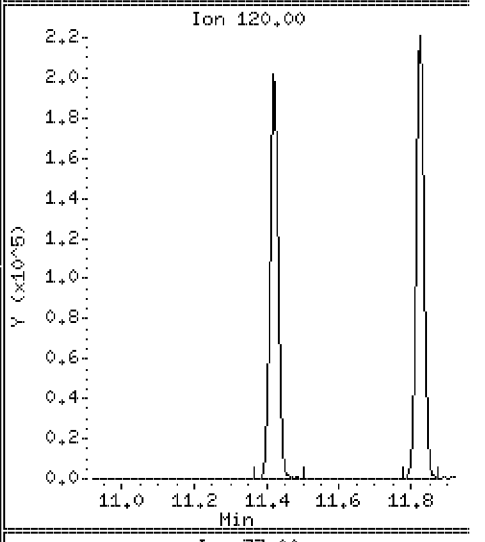


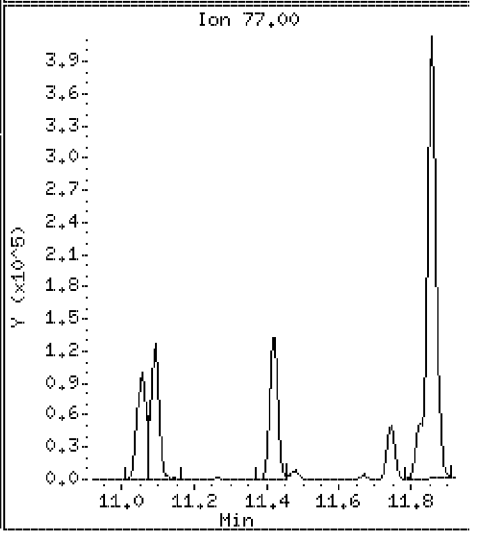












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

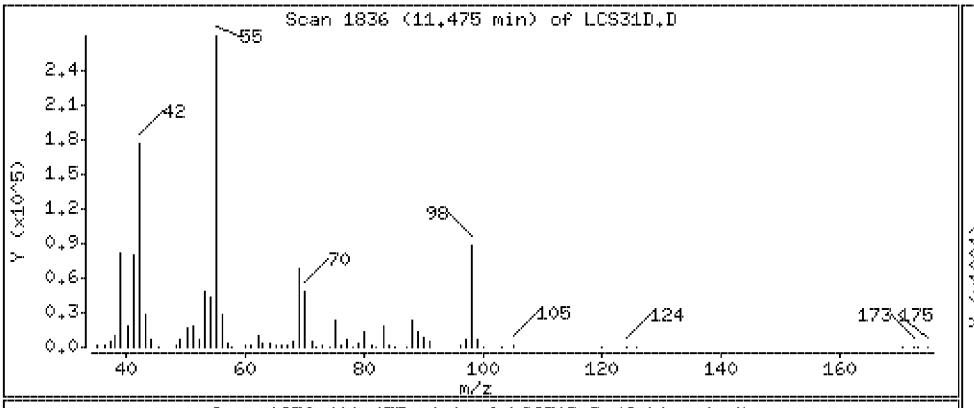
Operator:

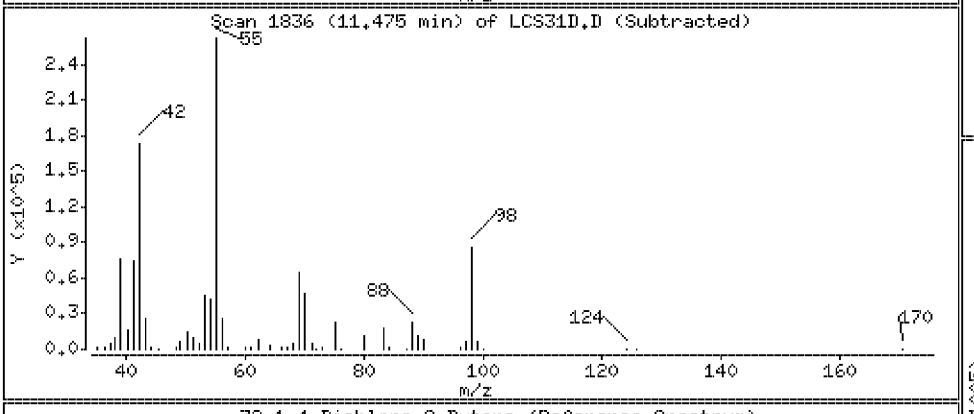
Column phase: DB-624

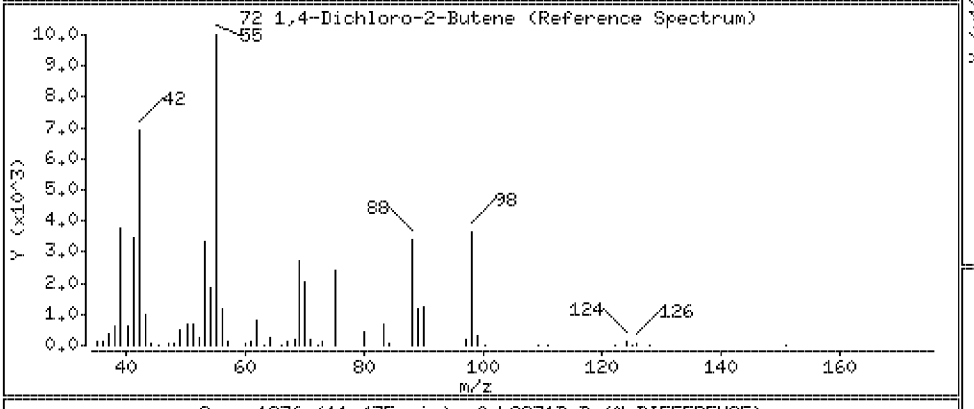
Column diameter: 0.18

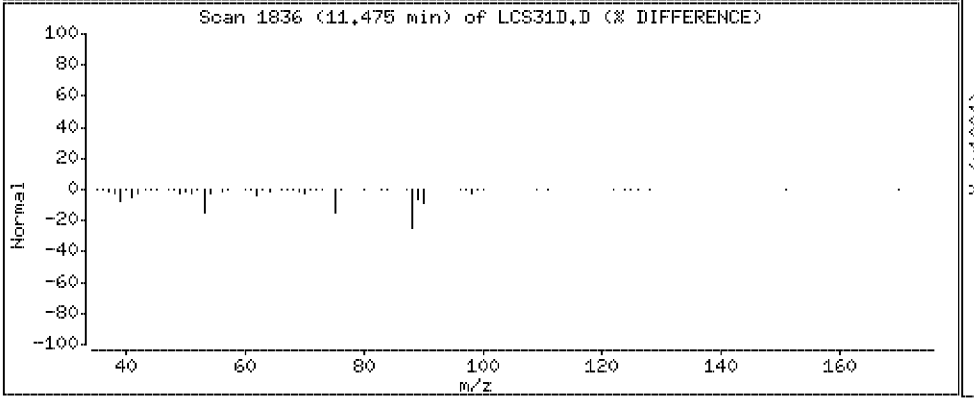
72 1,4-Dichloro-2-Butene

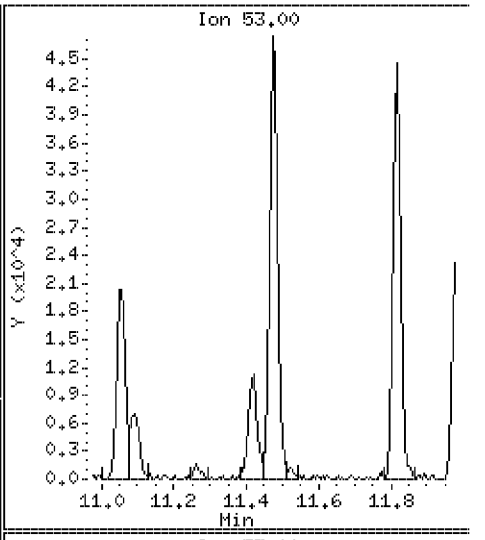
Concentration: 31.0 ug/l

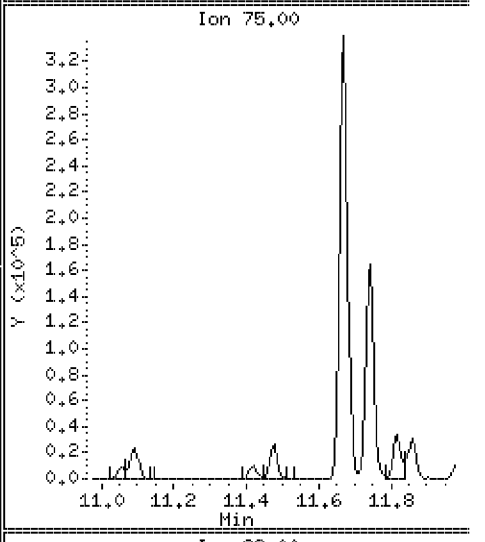


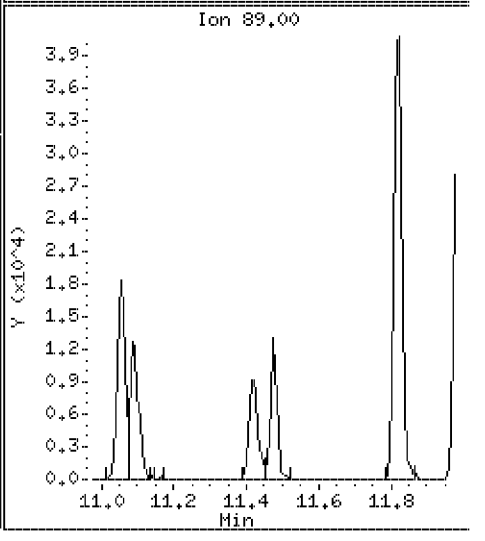












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

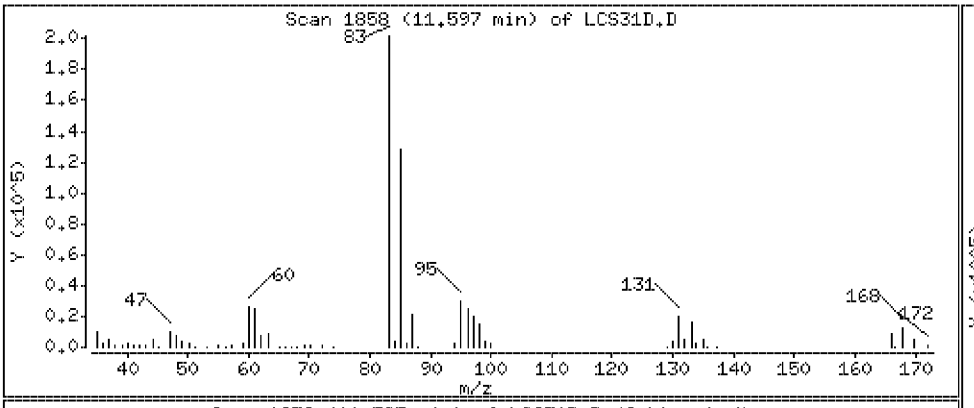
Operator:

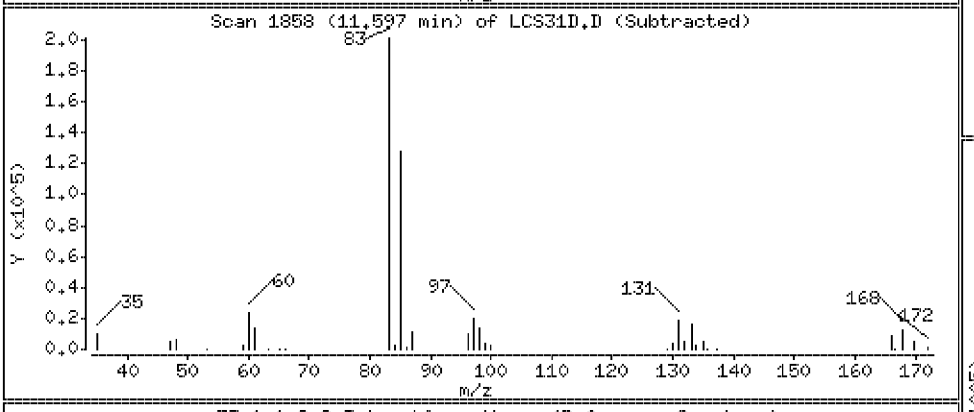
Column phase: DB-624

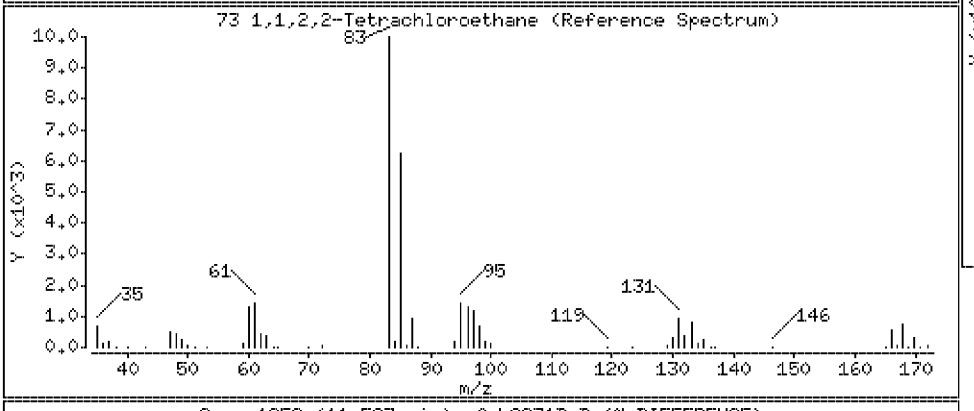
Column diameter: 0.18

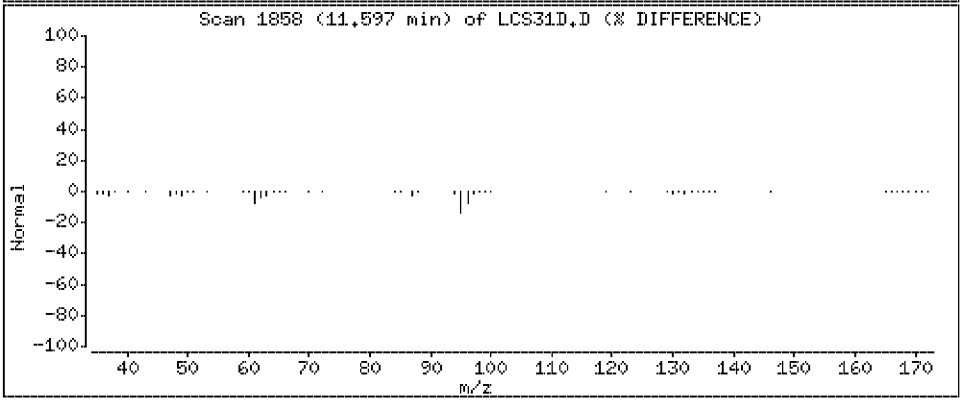
73 1,1,2,2-Tetrachloroethane

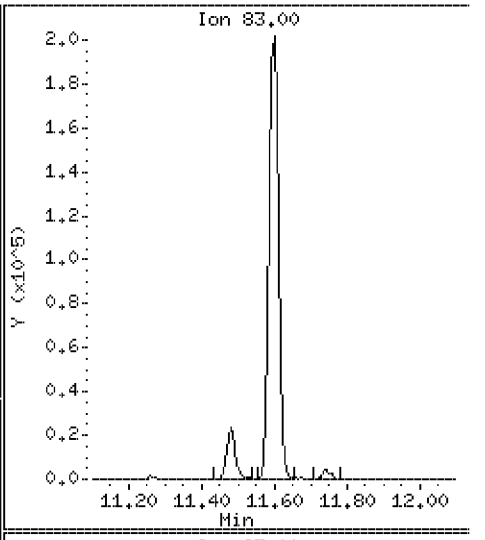
Concentration: 18.2 ug/l

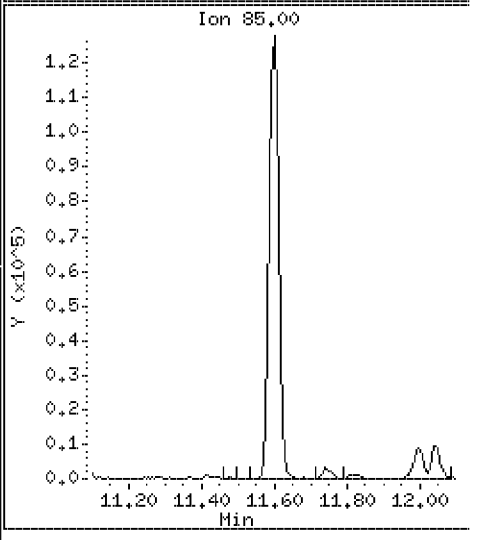












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

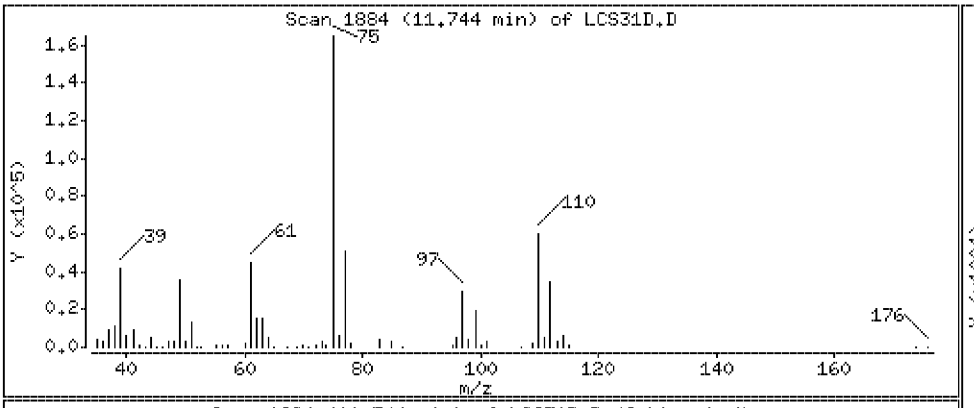
Operator:

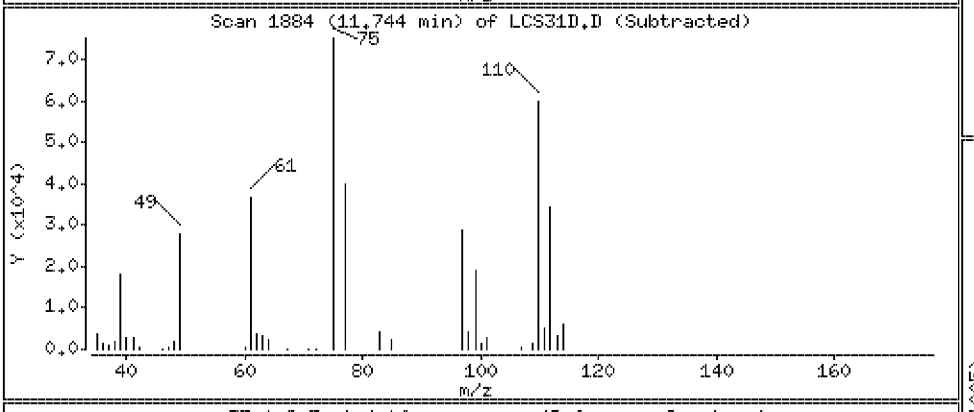
Column phase: DB-624

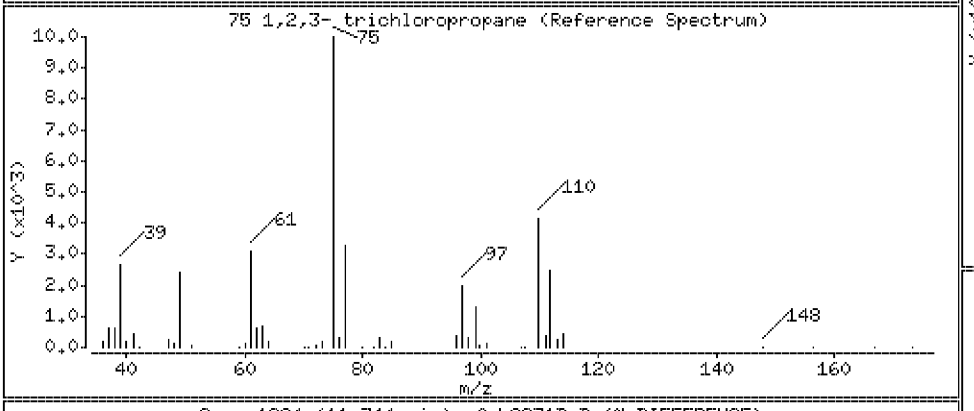
Column diameter: 0.18

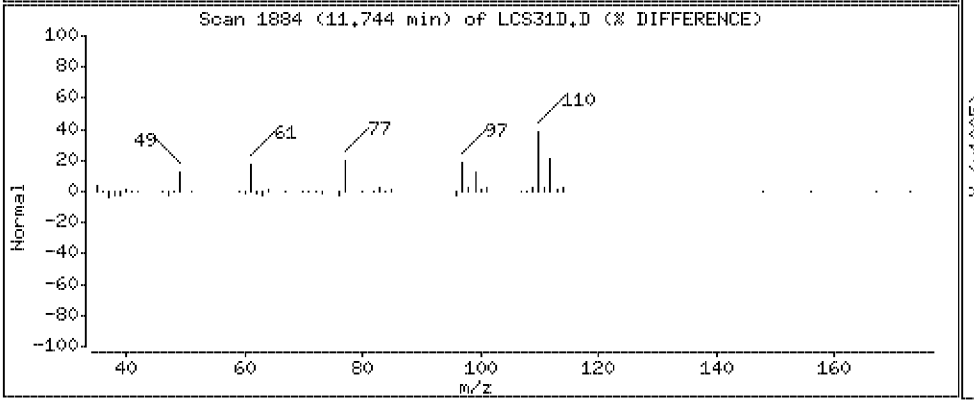
75 1,2,3- trichloropropane

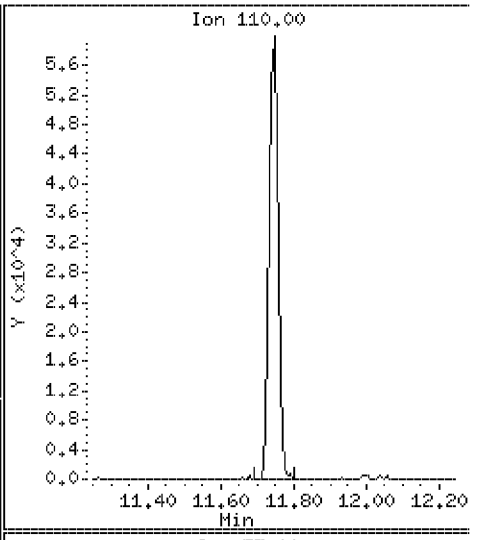
Concentration: 19.3 ug/l

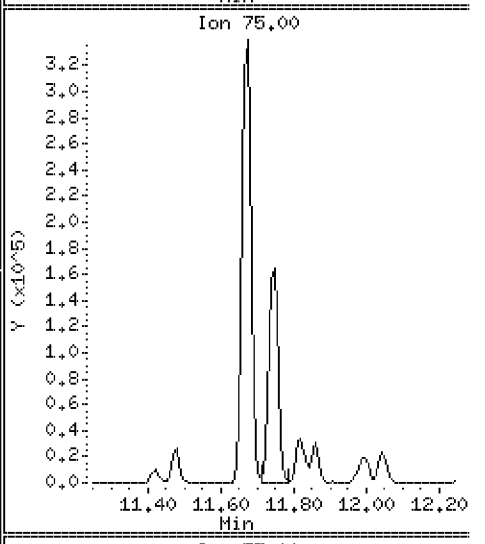


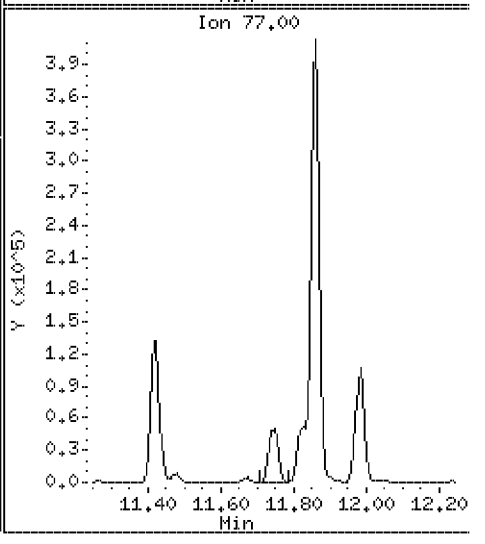












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

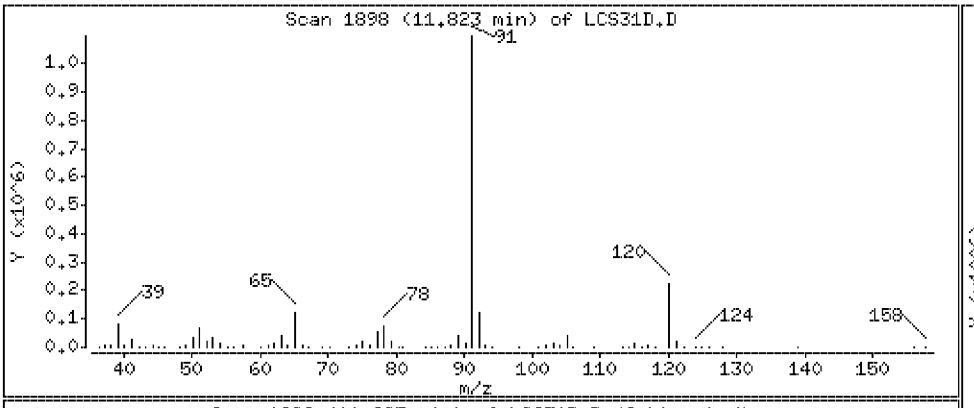
Operator:

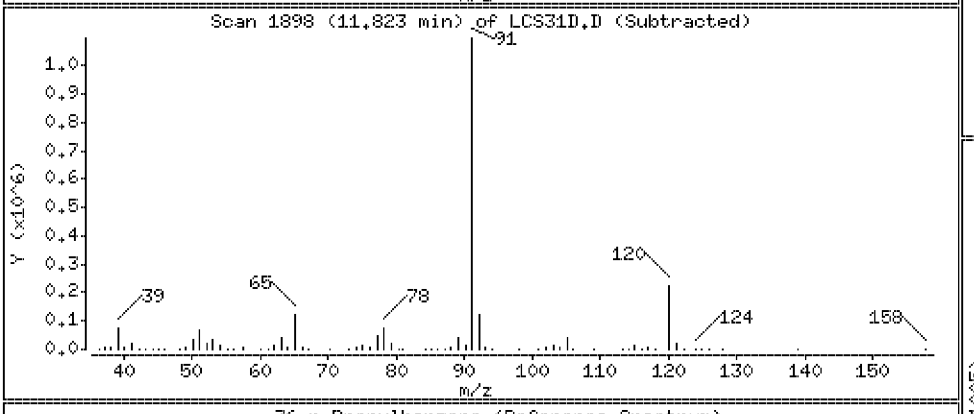
Column phase: DB-624

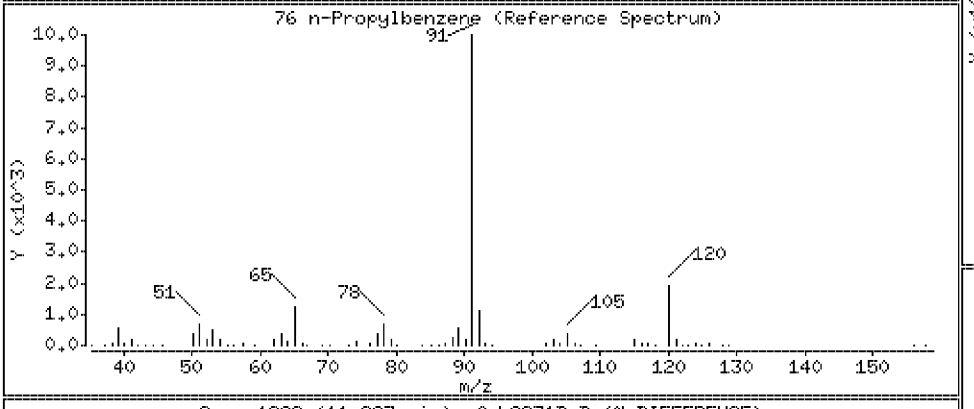
Column diameter: 0.18

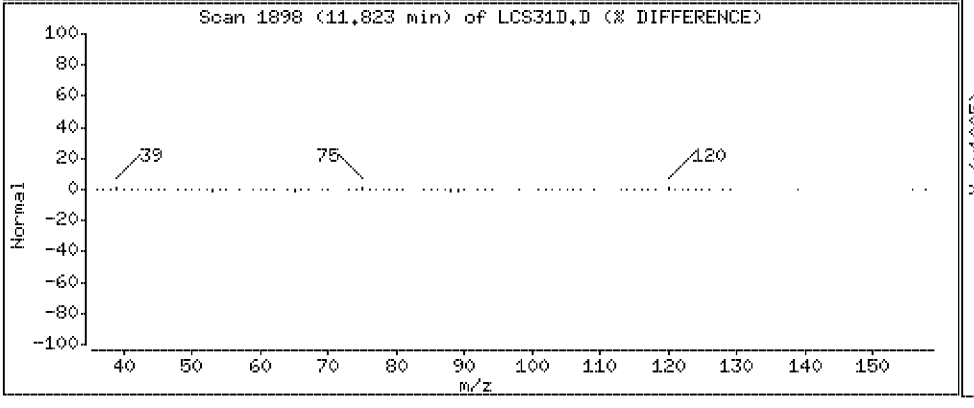
76 n-Propylbenzene

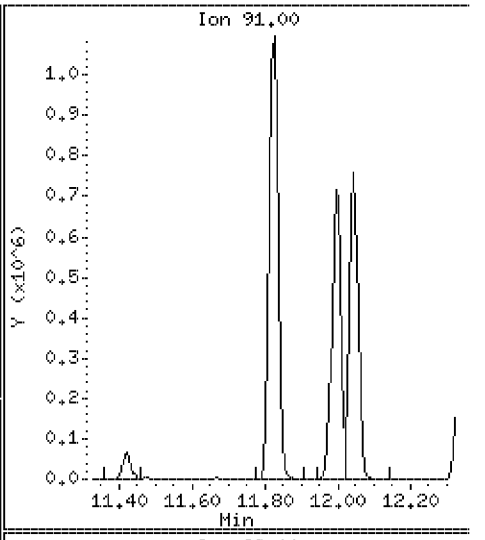
Concentration: 20.5 ug/l

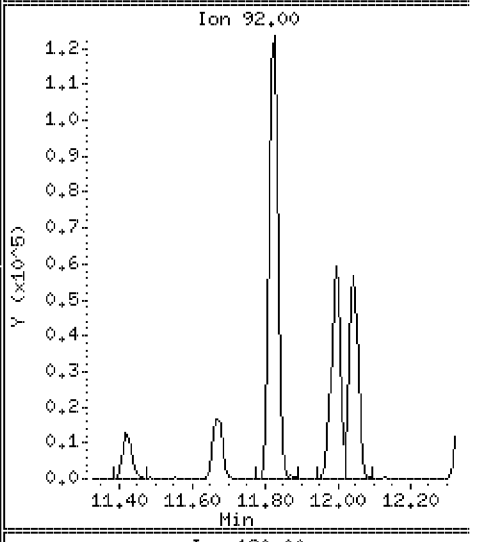


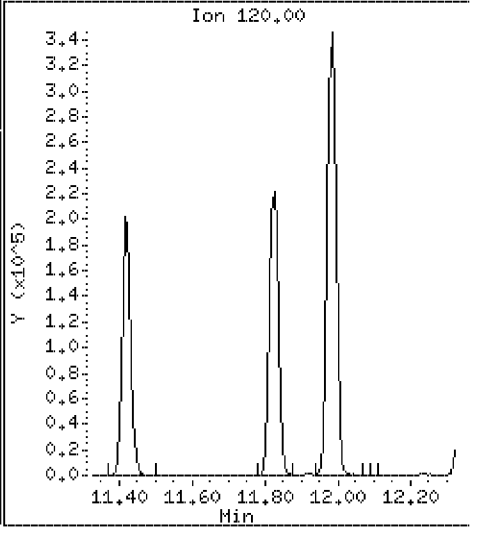












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

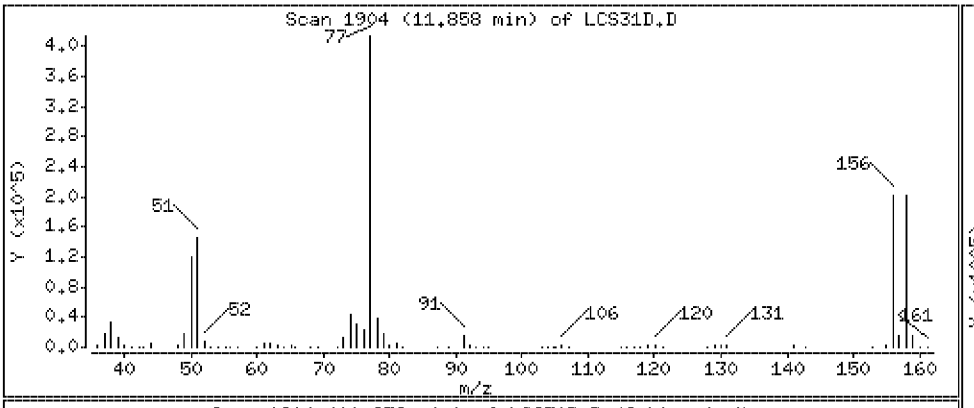
Operator:

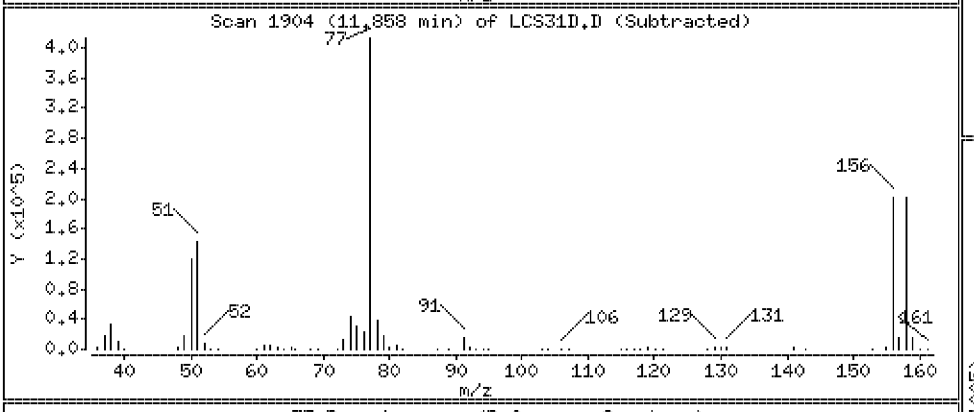
Column phase: DB-624

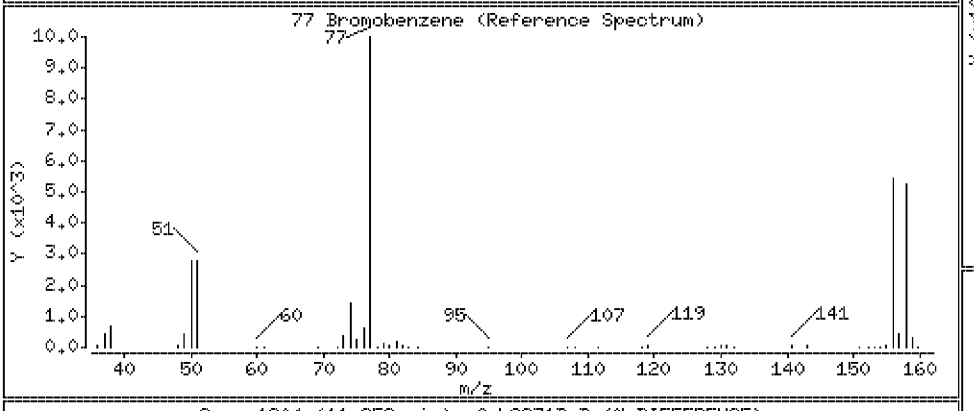
Column diameter: 0.18

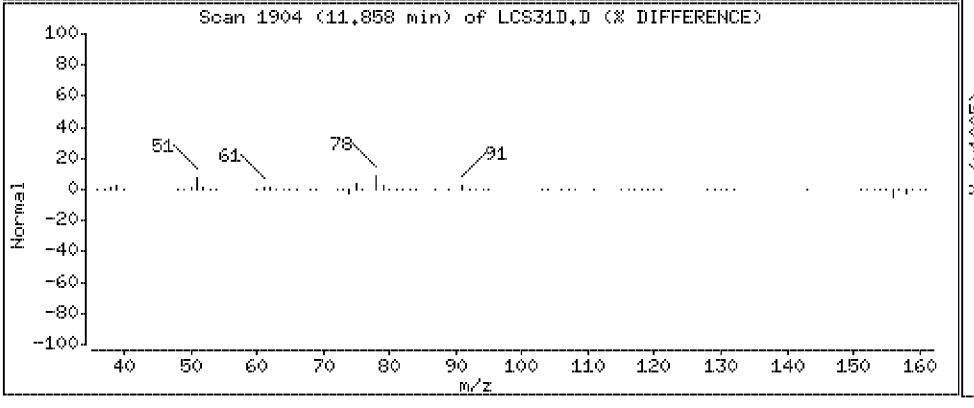
77 Bromobenzene

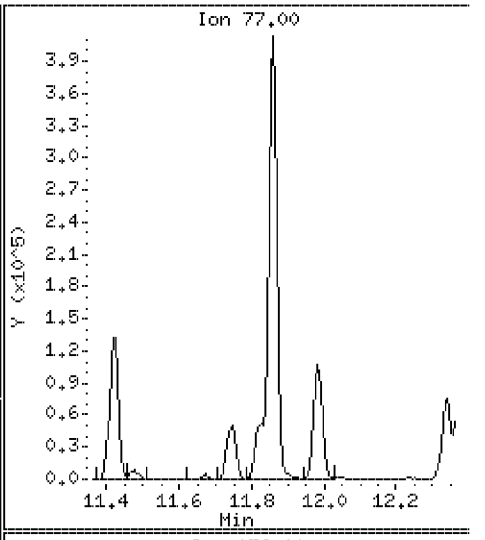
Concentration: 19.3 ug/l

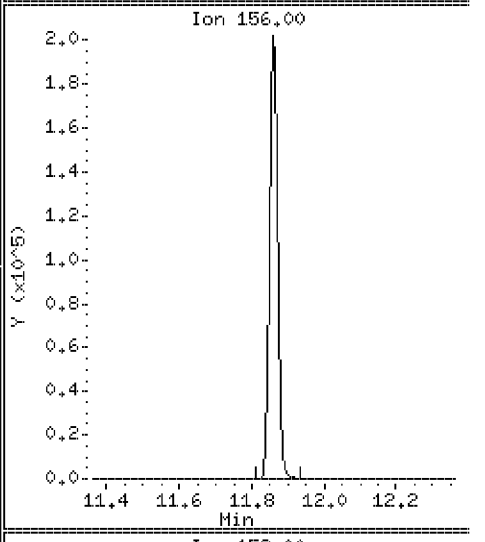


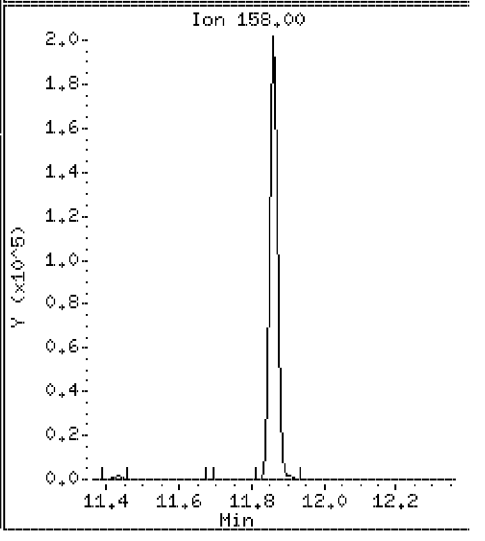












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

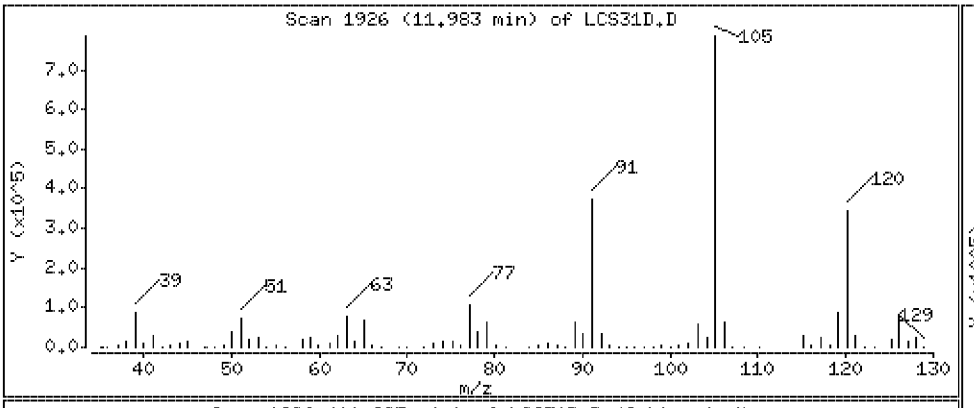
Operator:

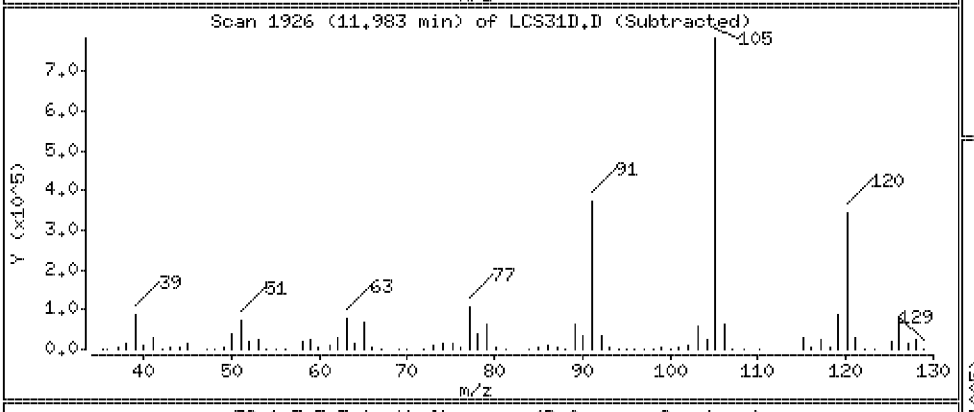
Column phase: DB-624

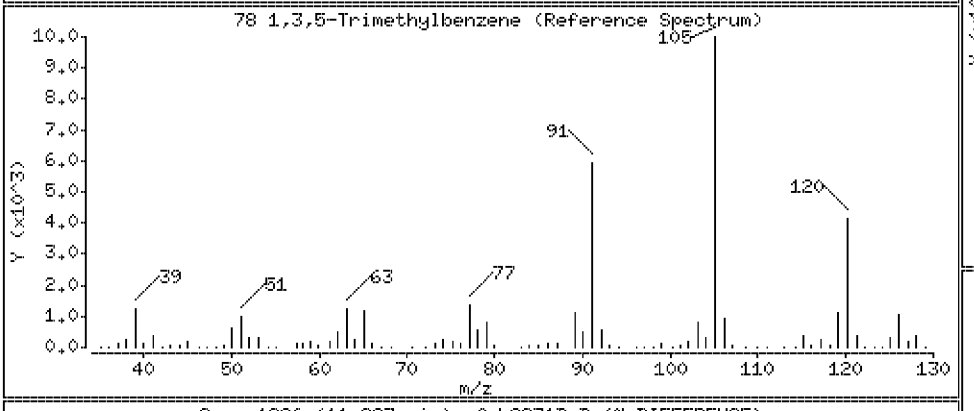
Column diameter: 0.18

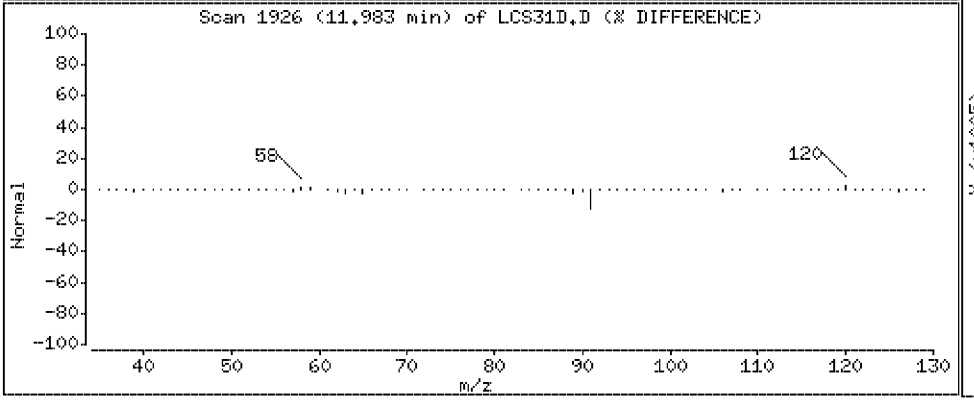
78 1,3,5-Trimethylbenzene

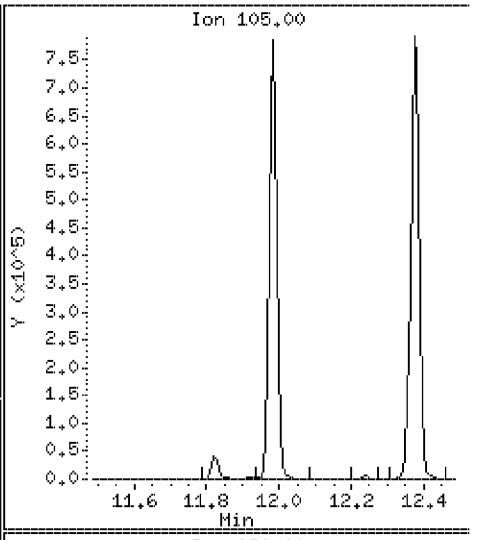
Concentration: 20.5 ug/l

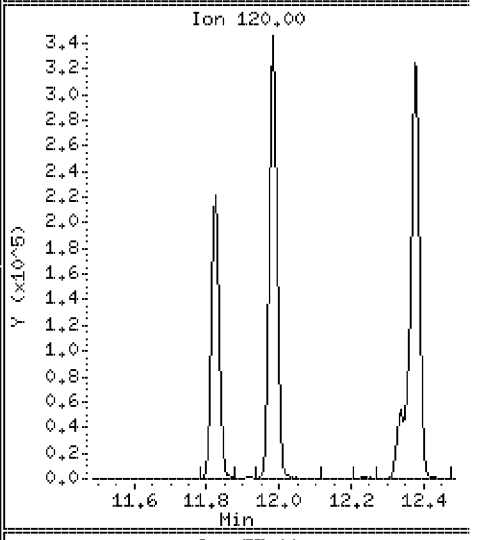


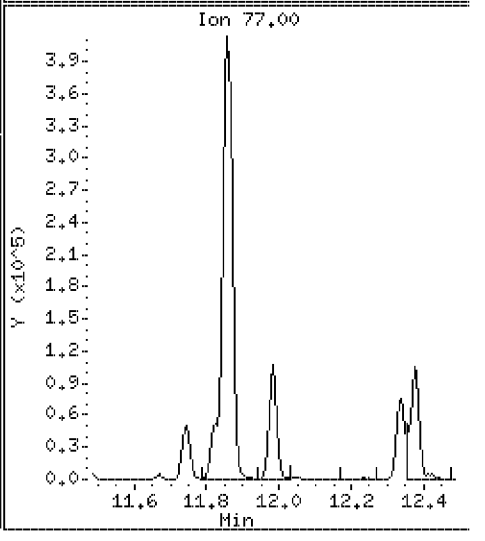












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

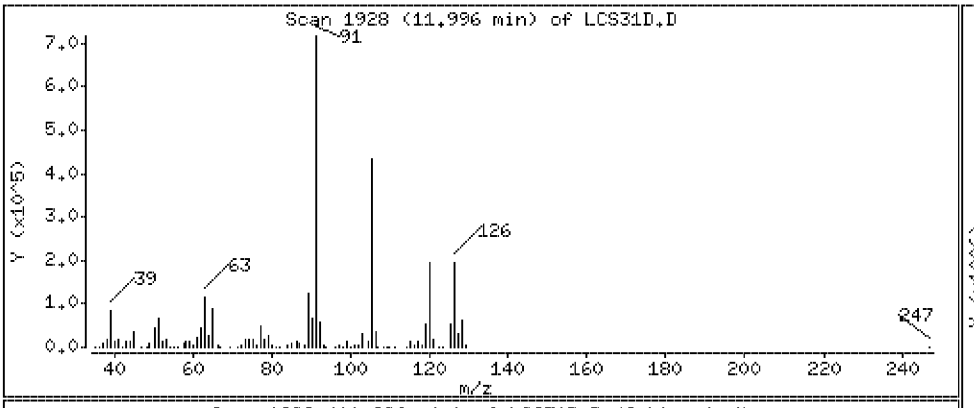
Operator:

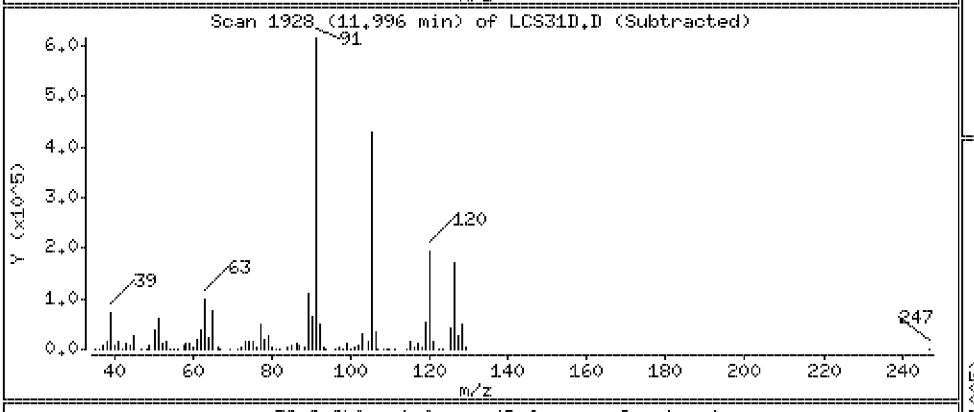
Column phase: DB-624

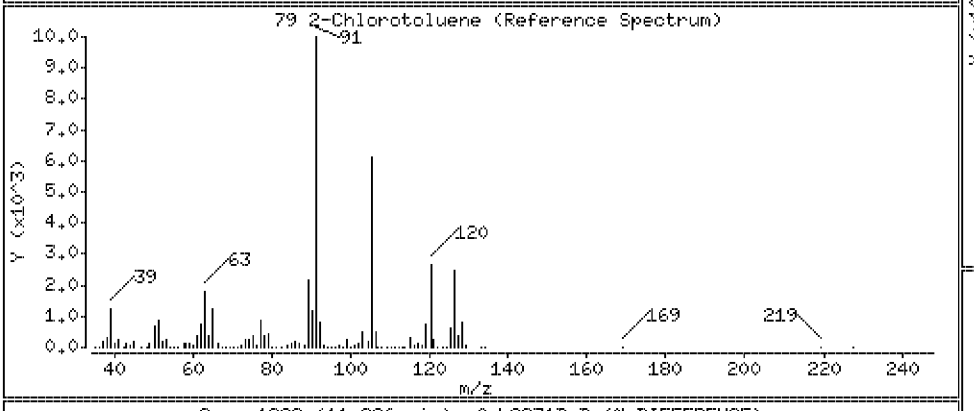
Column diameter: 0.18

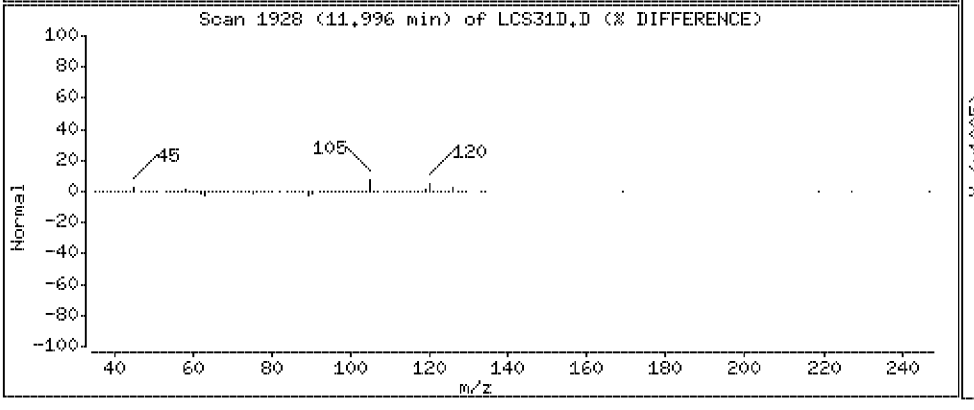
79 2-Chlorotoluene

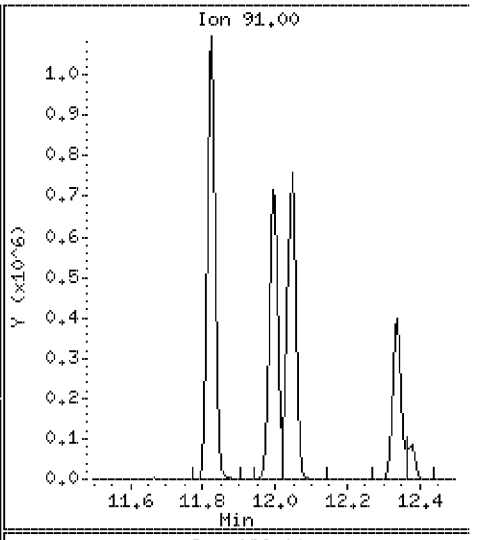
Concentration: 19.8 ug/l

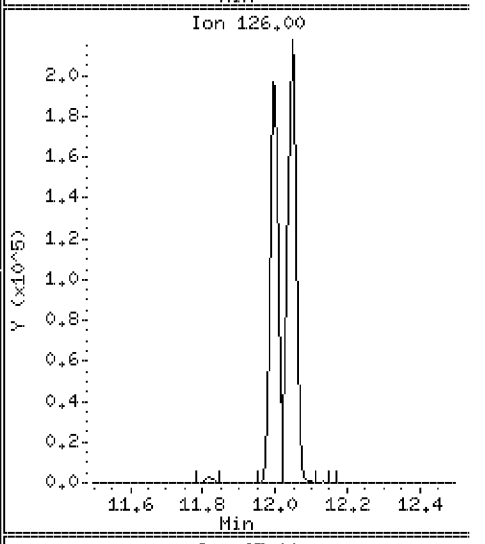


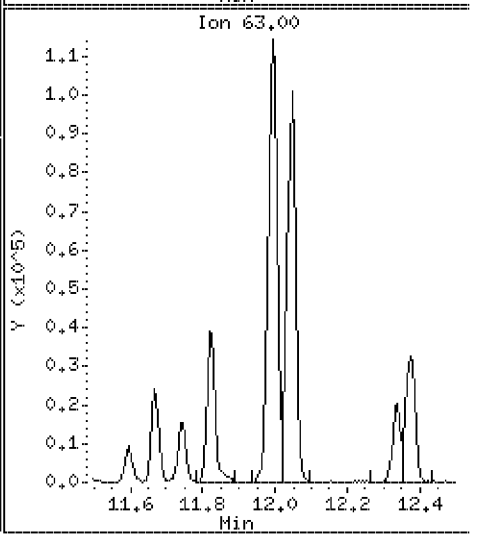












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

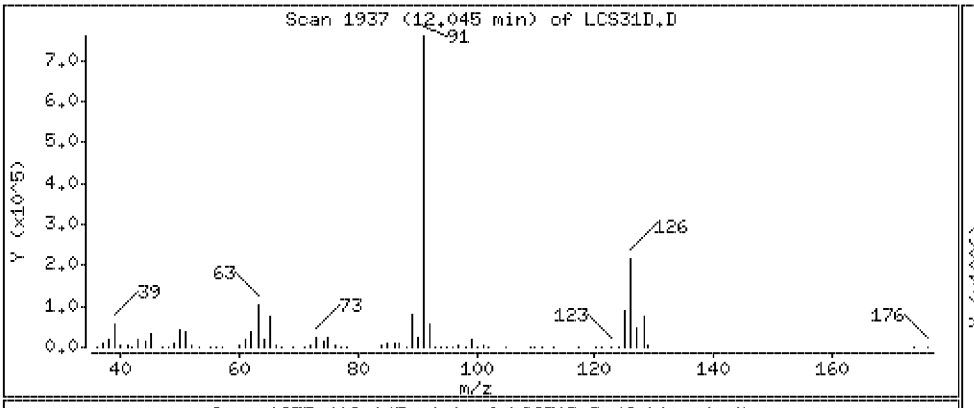
Operator:

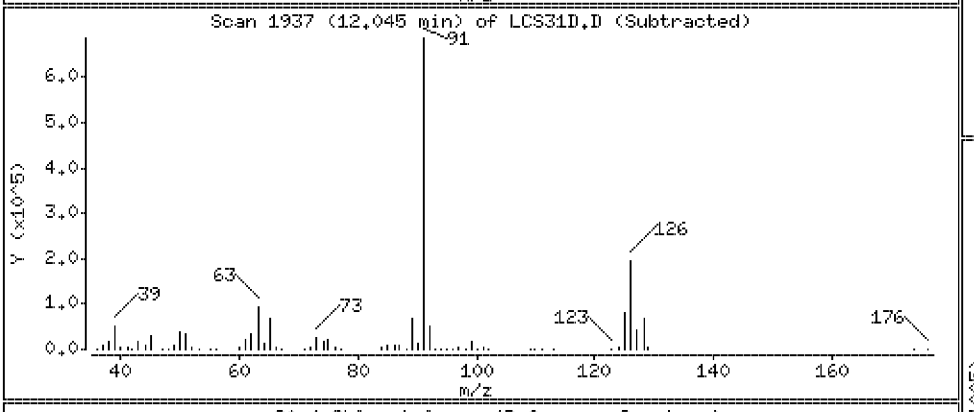
Column phase: DB-624

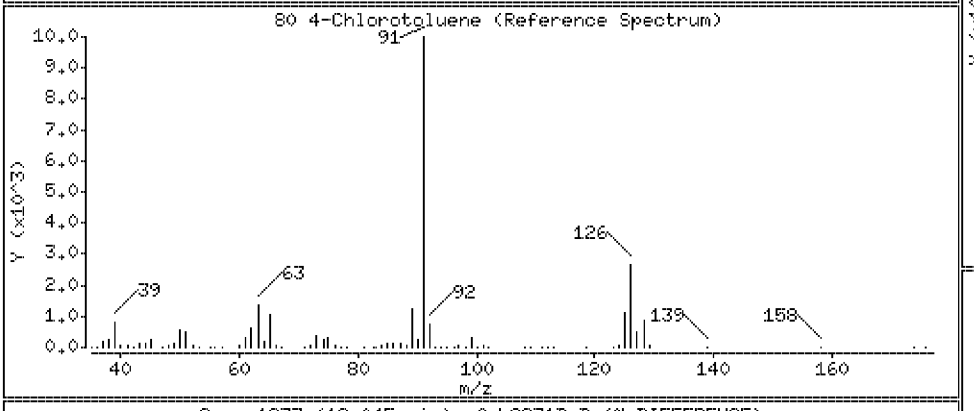
Column diameter: 0.18

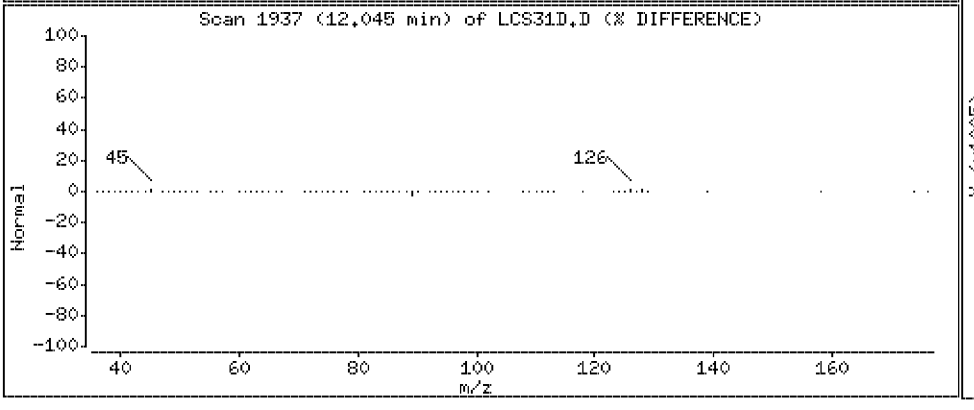
80 4-Chlorotoluene

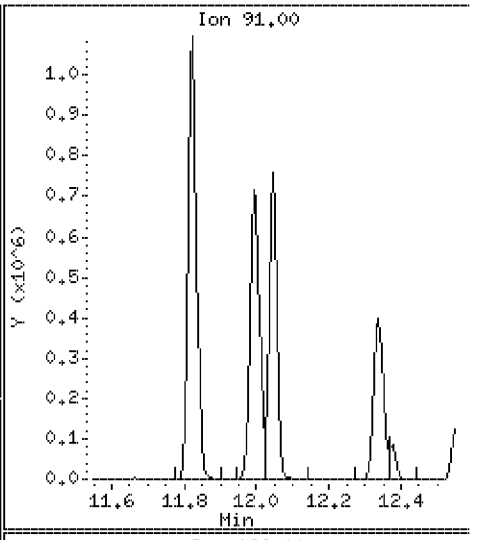
Concentration: 19.7 ug/l

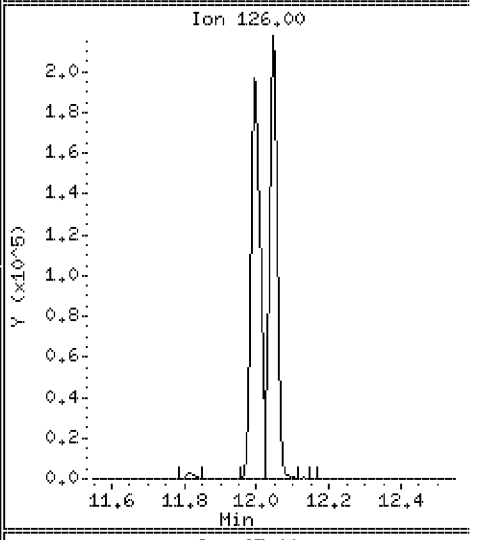


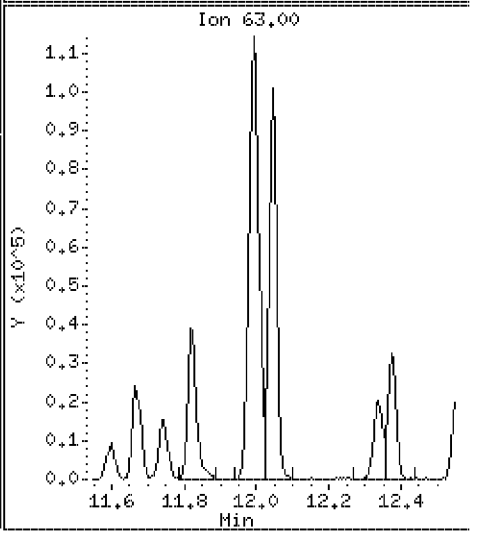












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

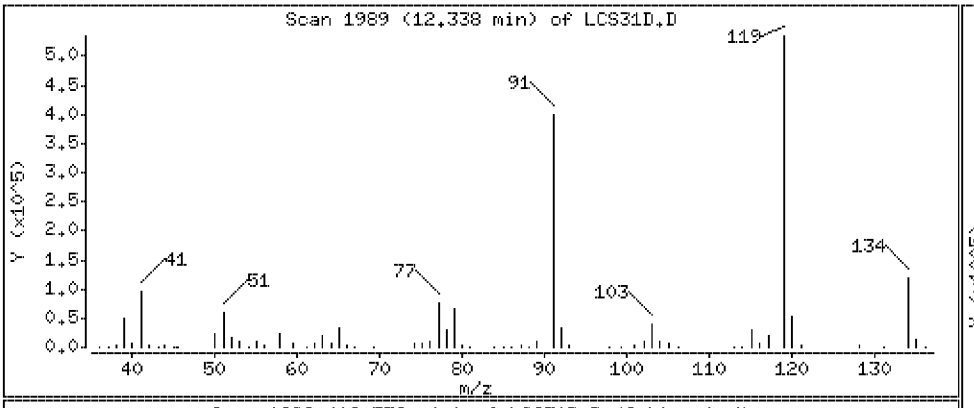
Operator:

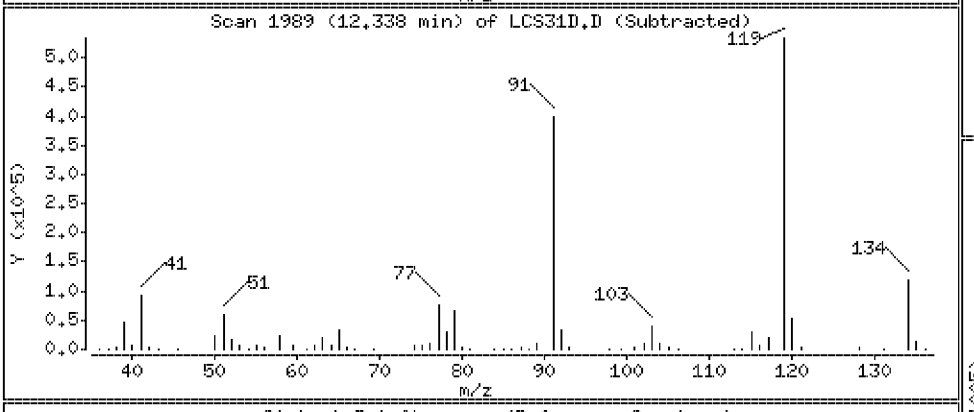
Column phase: DB-624

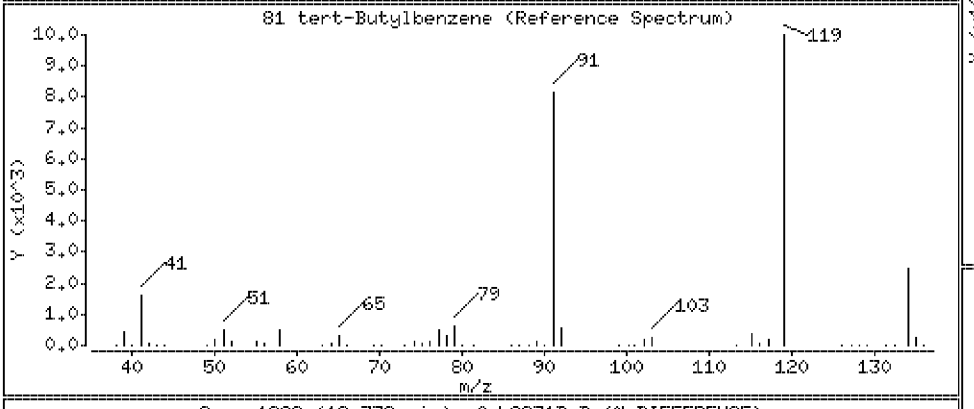
Column diameter: 0.18

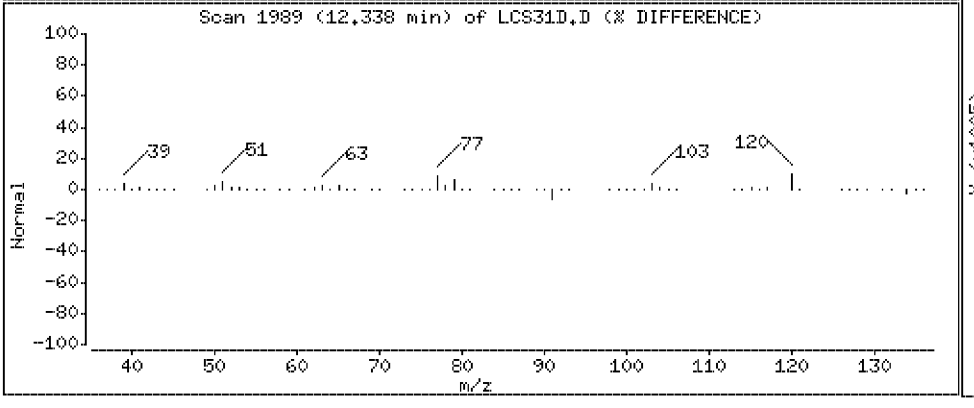
81 tert-Butylbenzene

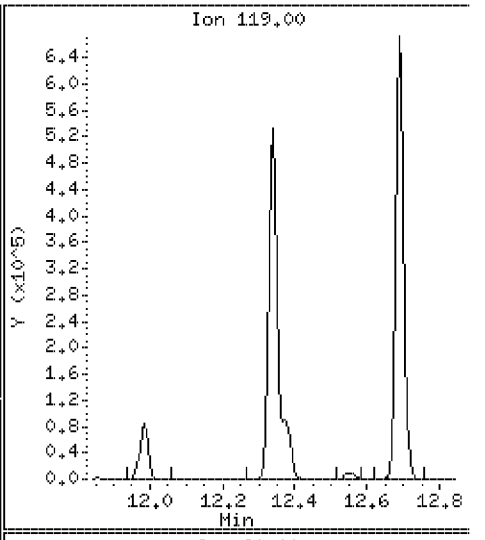
Concentration: 20.9 ug/l

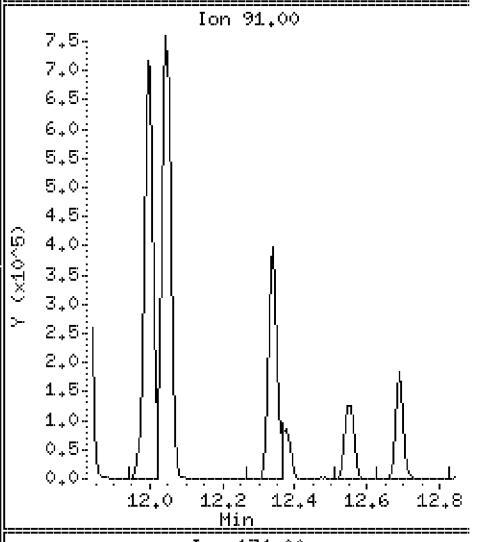


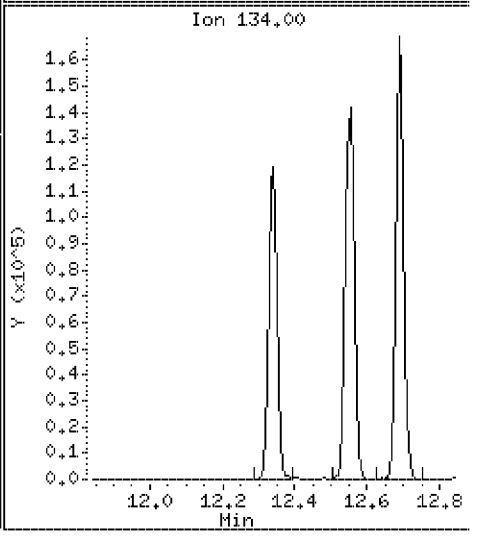












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

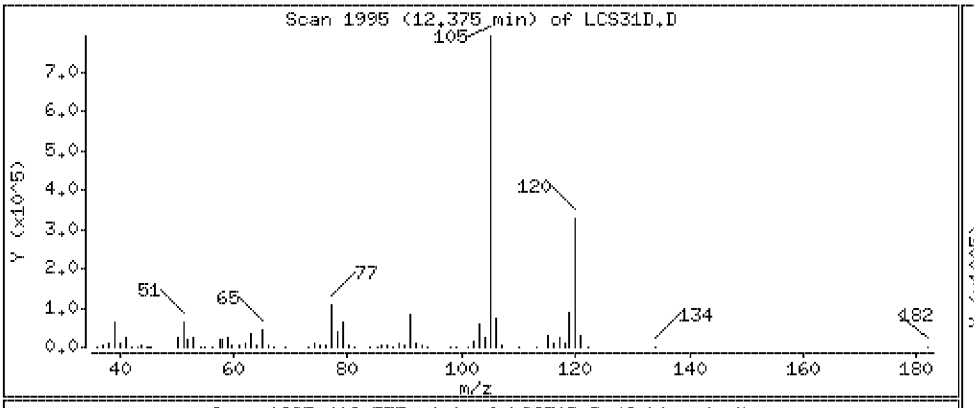
Operator:

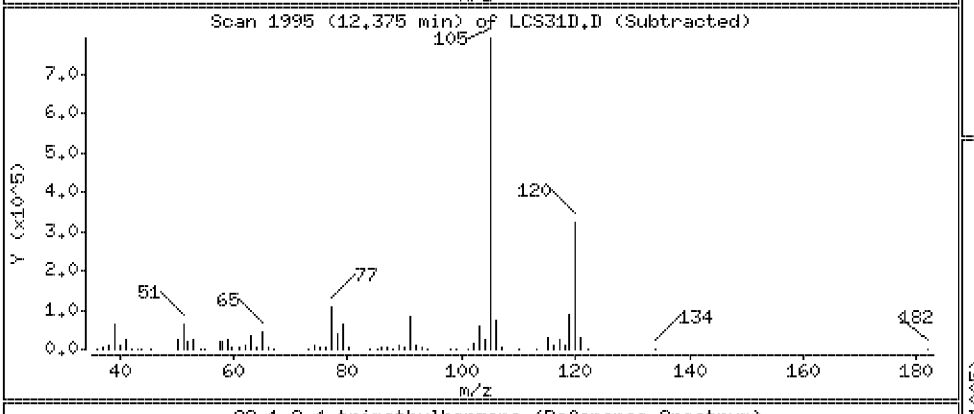
Column phase: DB-624

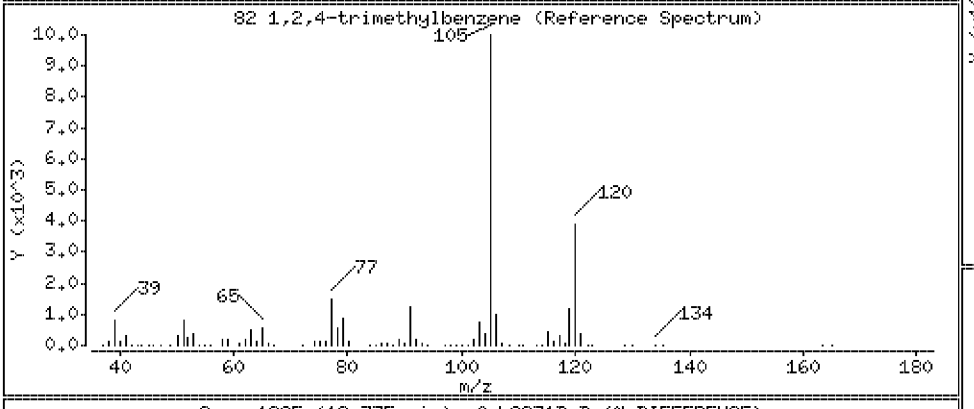
Column diameter: 0.18

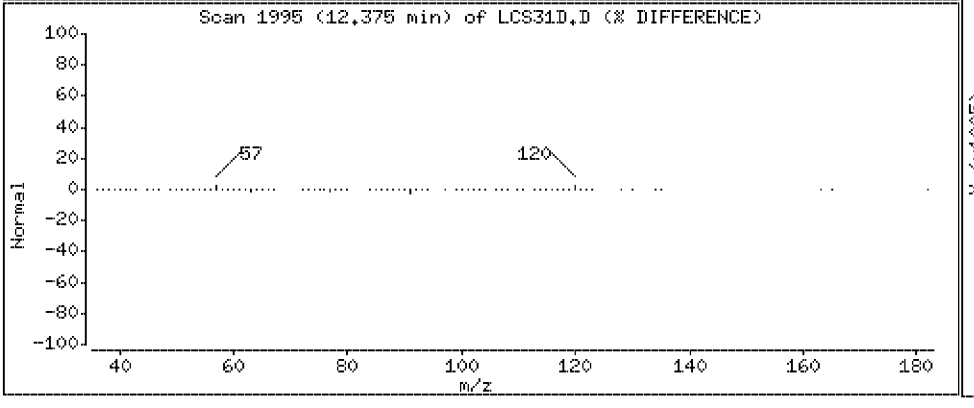
82 1,2,4-trimethylbenzene

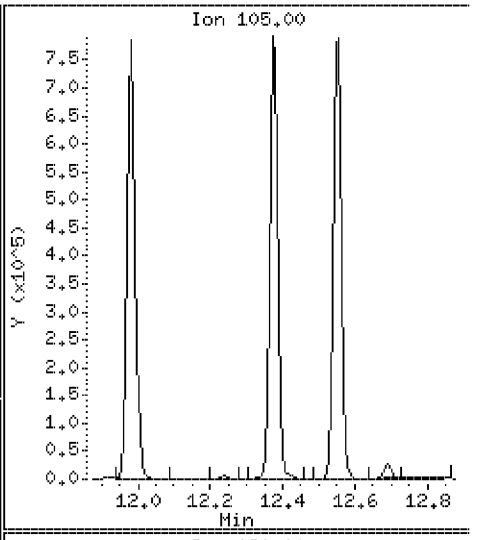
Concentration: 20.2 ug/l

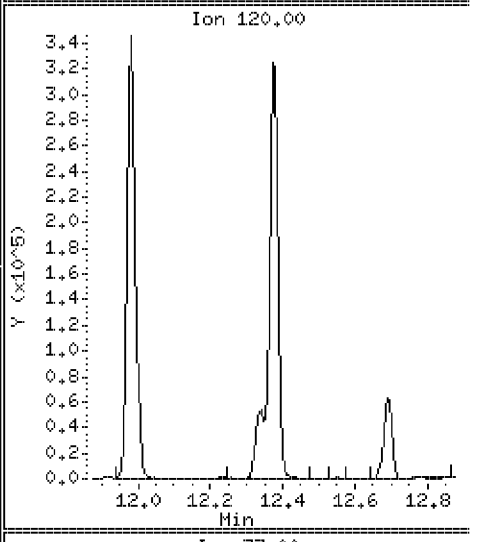


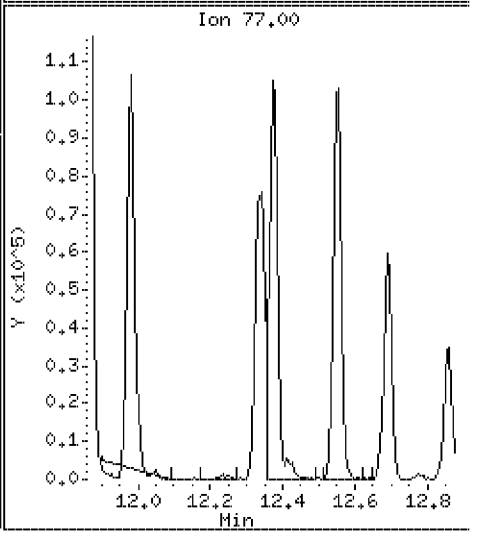












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

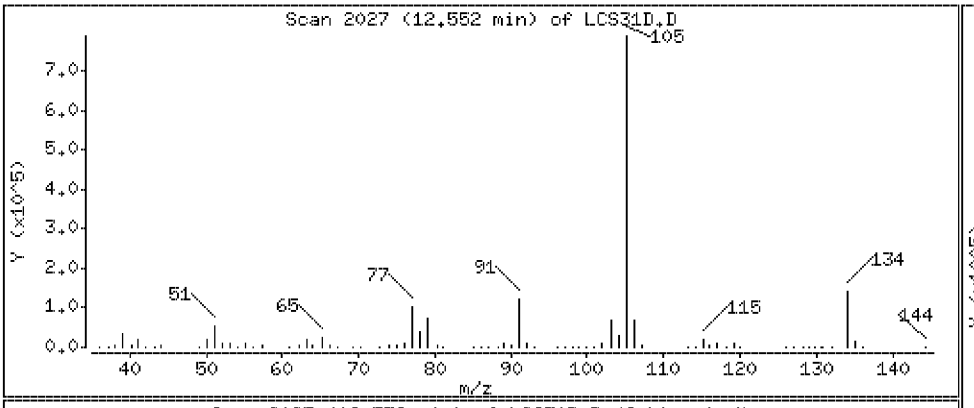
Operator:

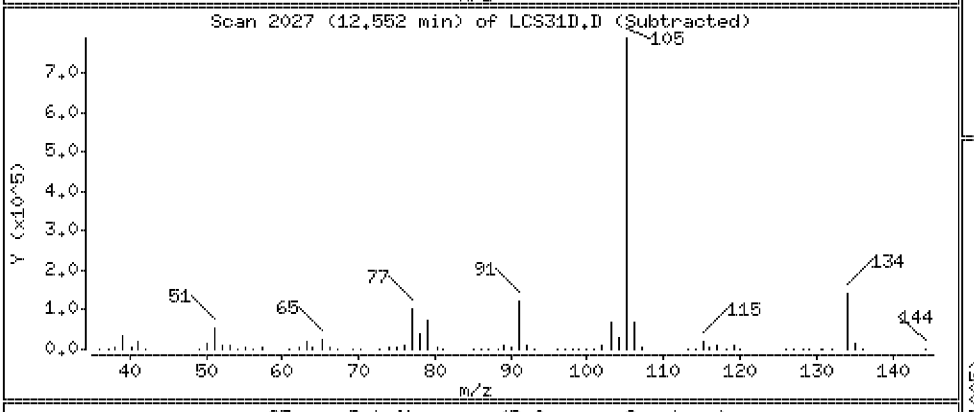
Column phase: DB-624

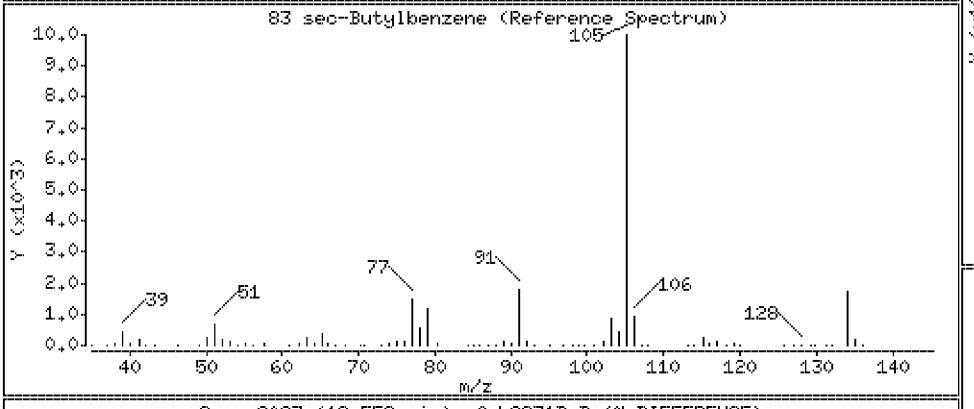
Column diameter: 0.18

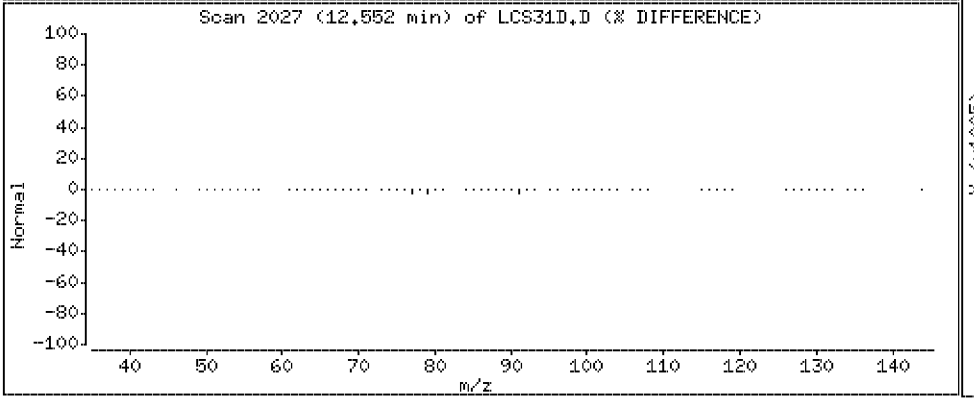
83 sec-Butylbenzene

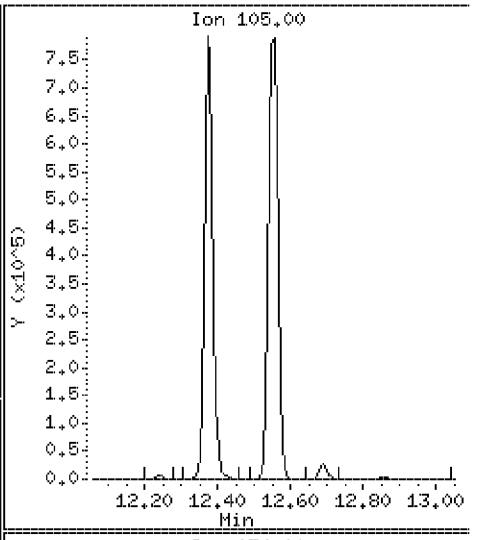
Concentration: 20.5 ug/l

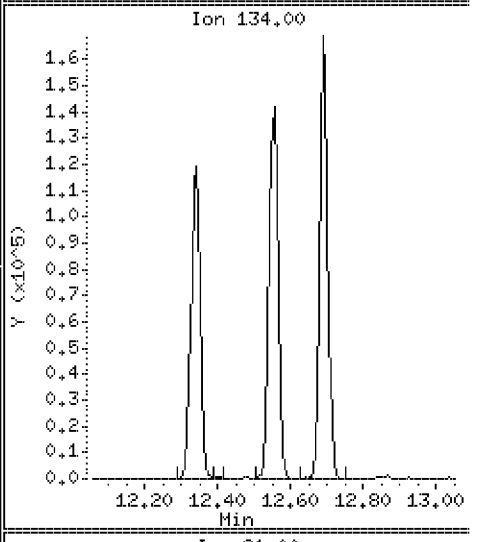


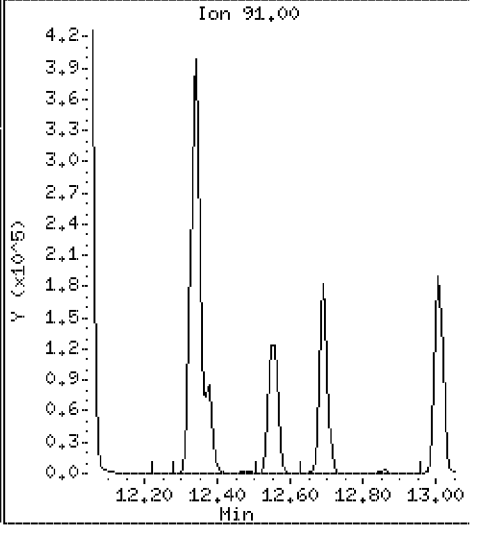












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

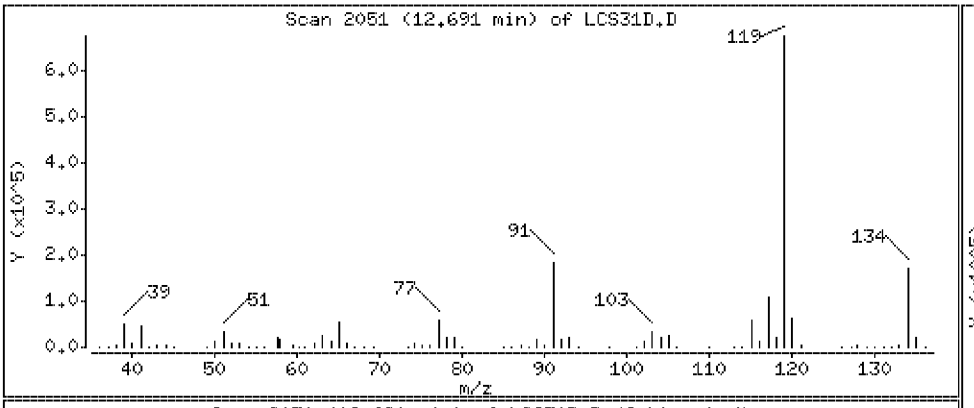
Operator:

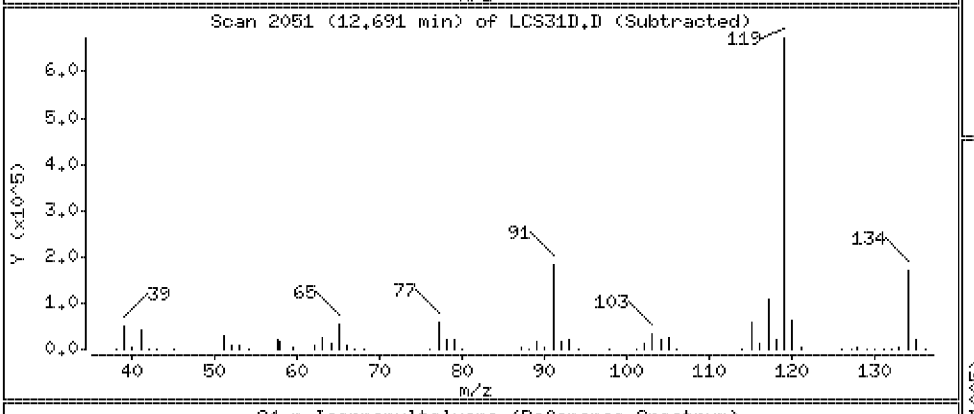
Column phase: DB-624

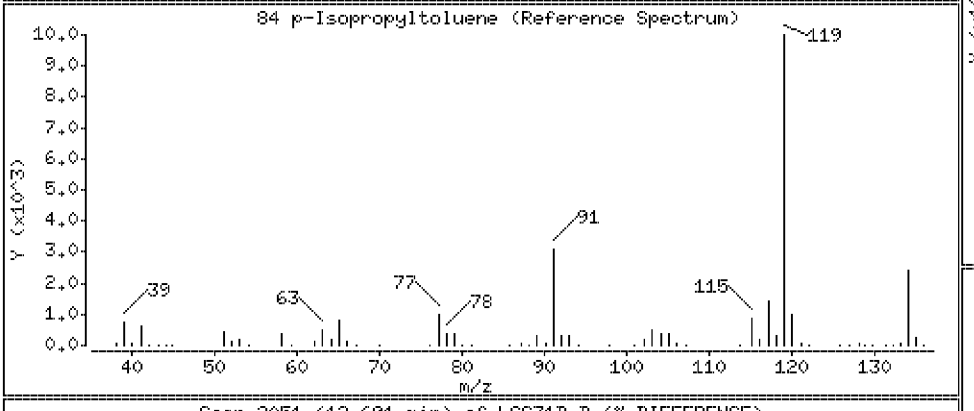
Column diameter: 0.18

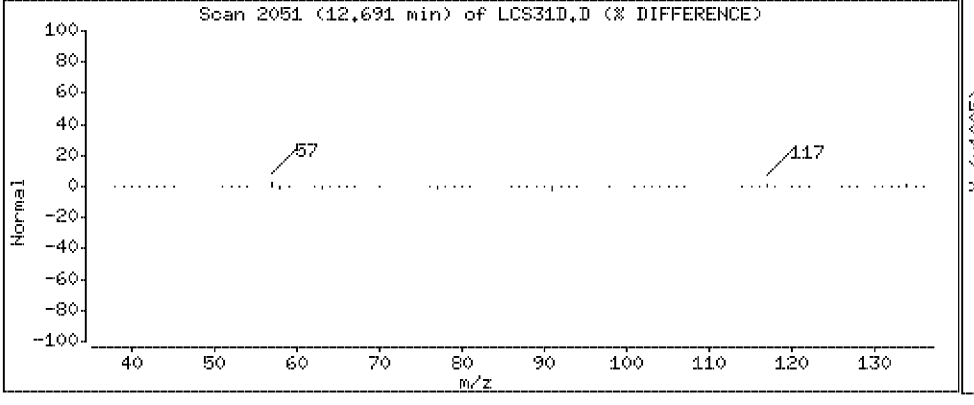
84 p-Isopropyltoluene

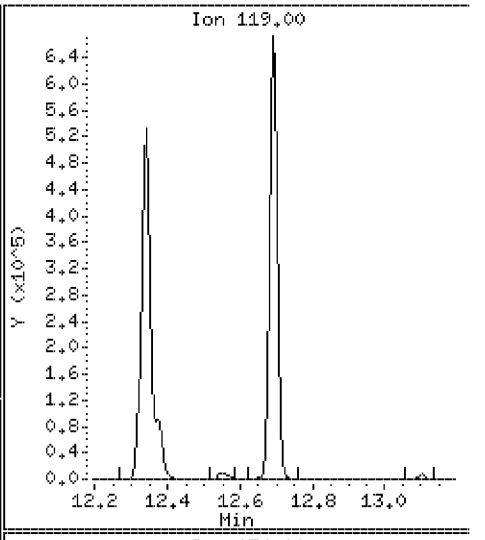
Concentration: 20.8 ug/l

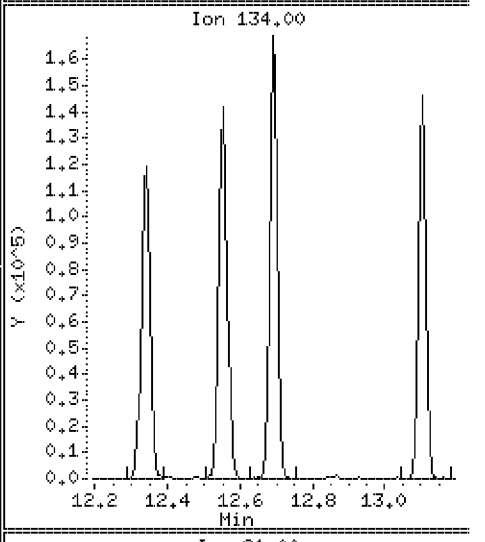


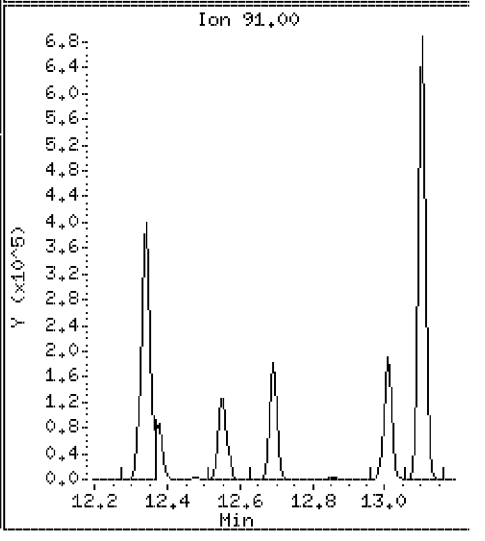












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

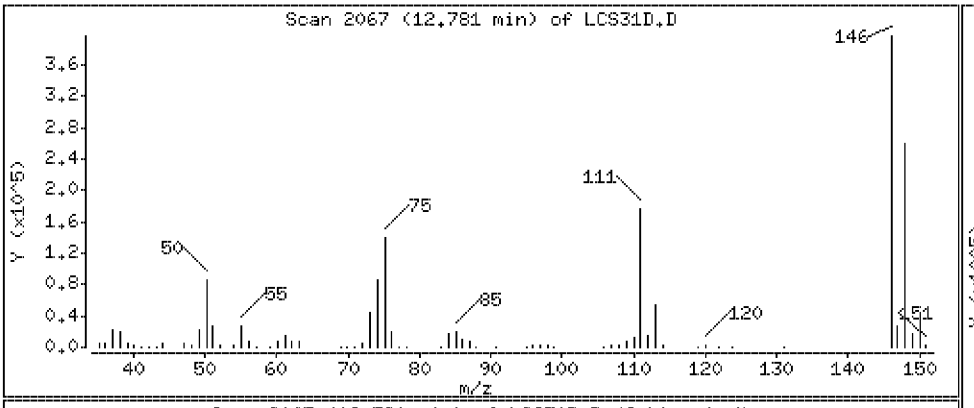
Operator:

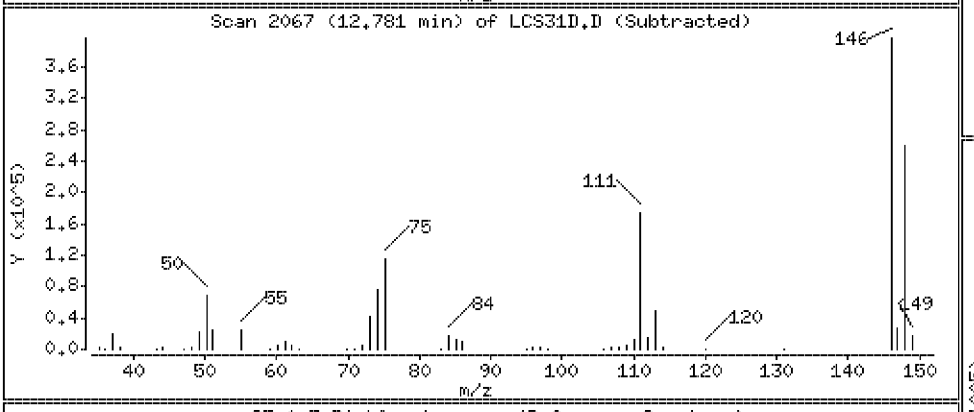
Column phase: DB-624

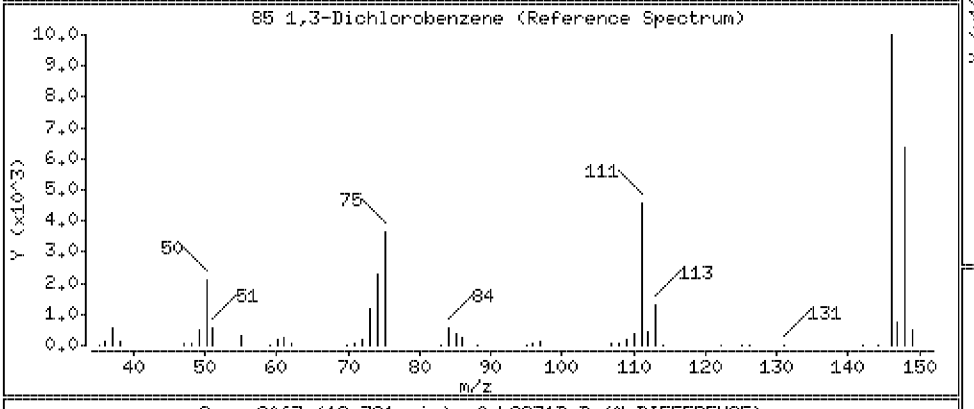
Column diameter: 0.18

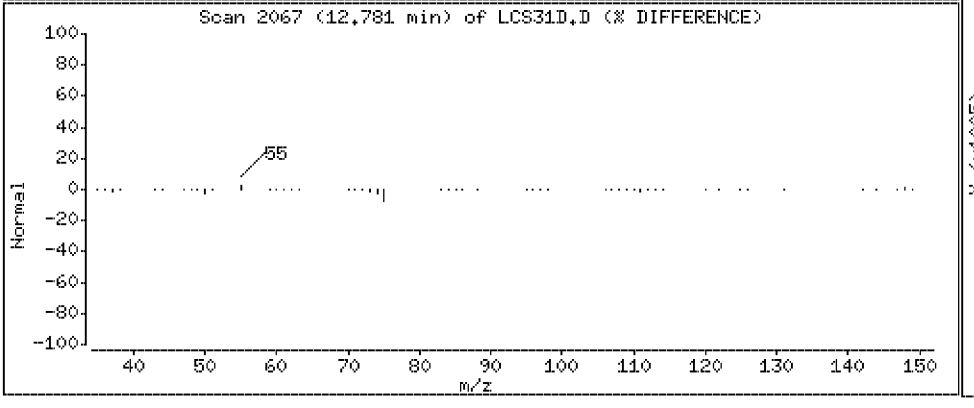
85 1,3-Dichlorobenzene

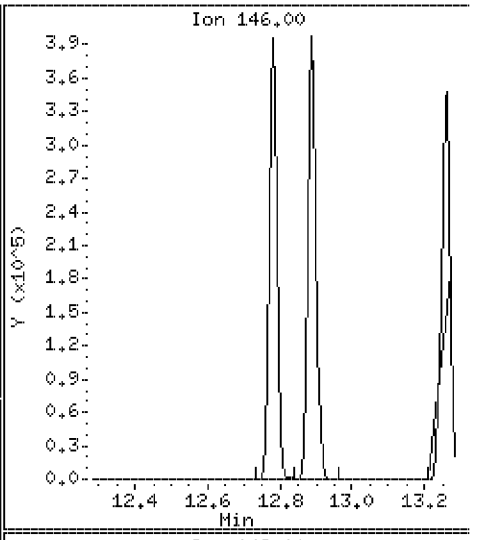
Concentration: 19.6 ug/l

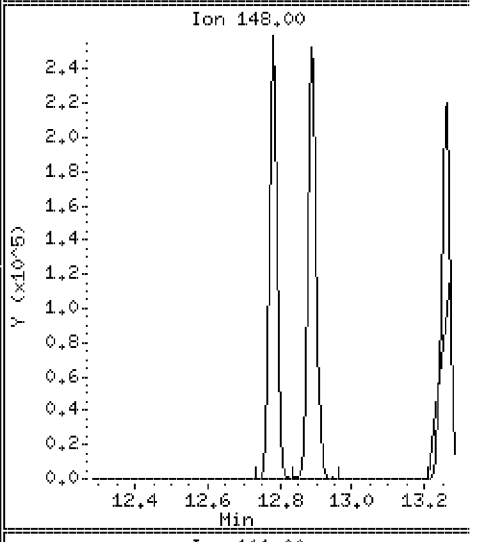


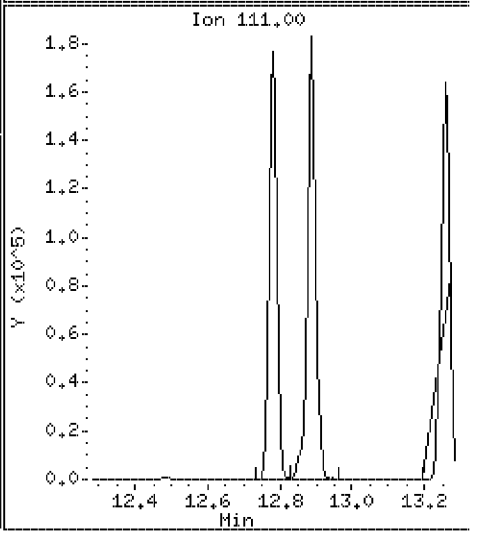












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

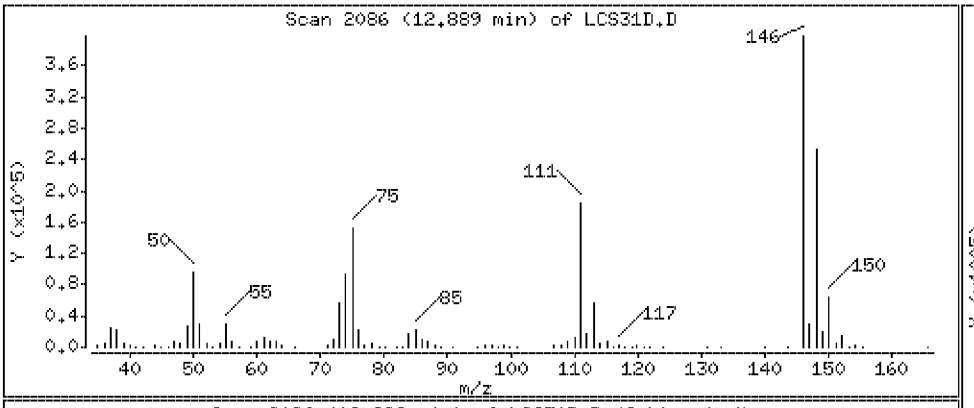
Operator:

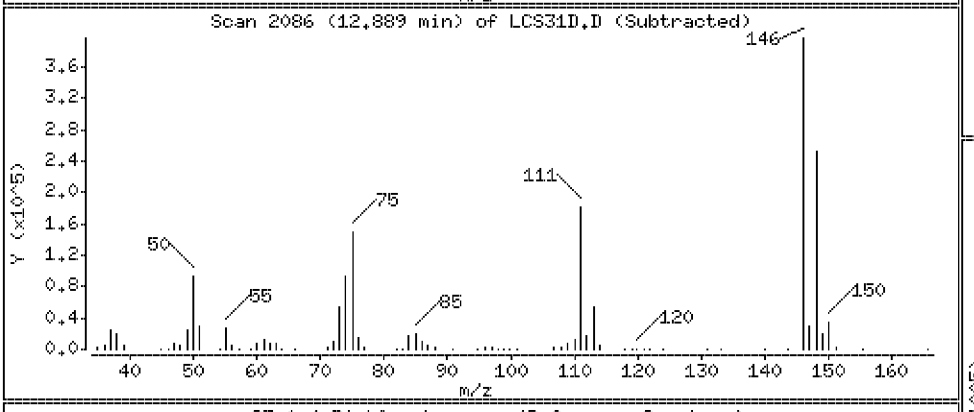
Column phase: DB-624

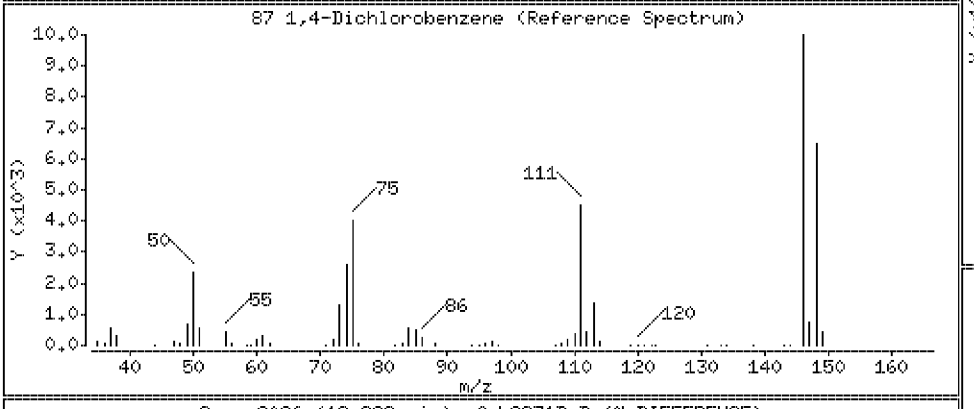
Column diameter: 0.18

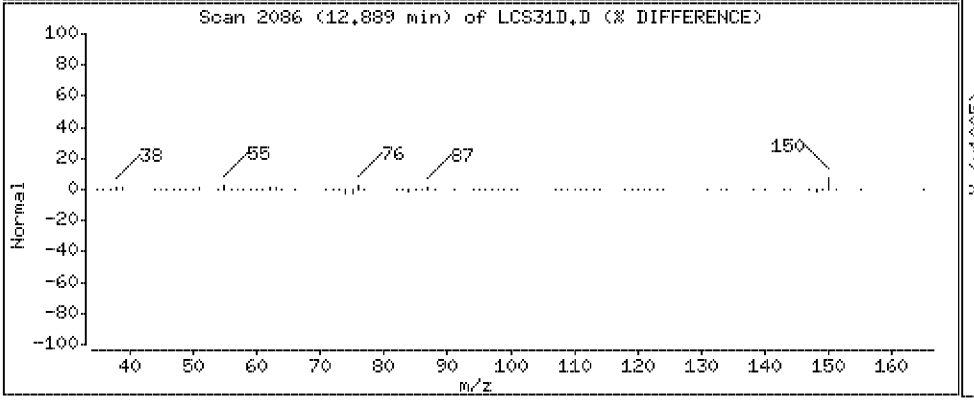
87 1,4-Dichlorobenzene

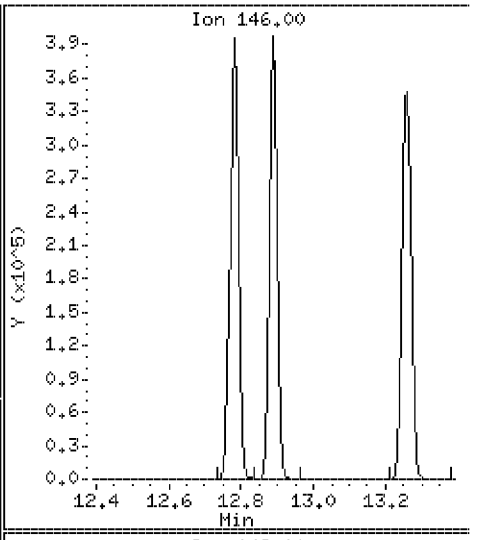
Concentration: 19.3 ug/l

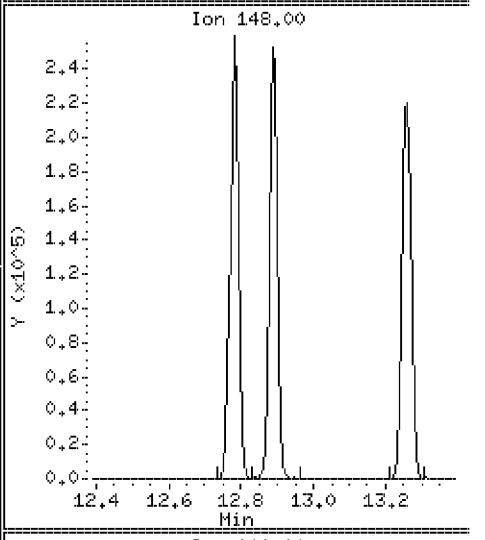


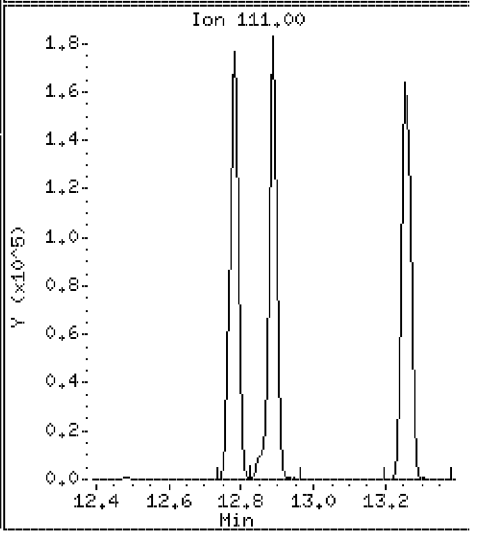












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

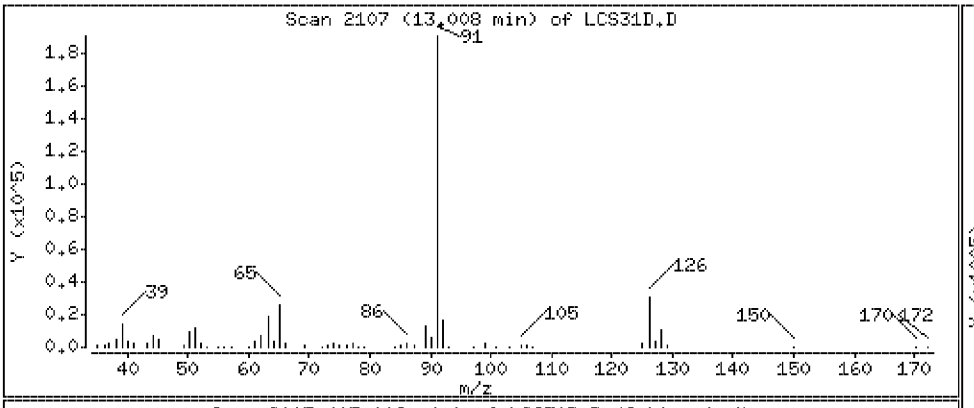
Operator:

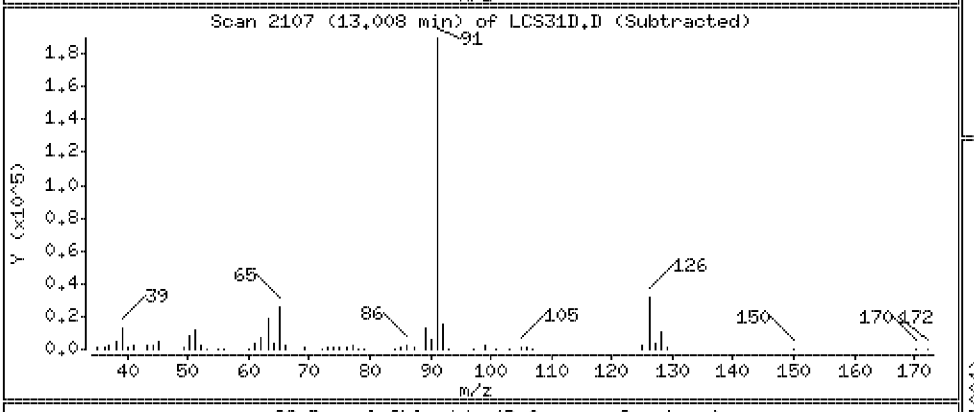
Column phase: DB-624

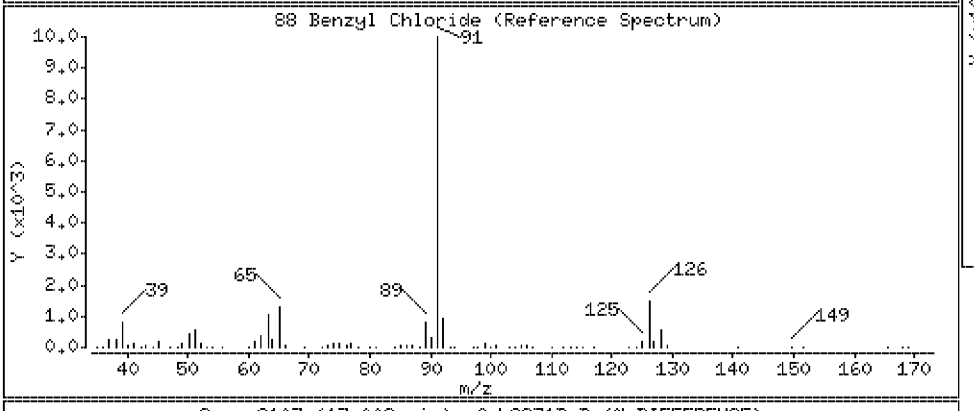
Column diameter: 0.18

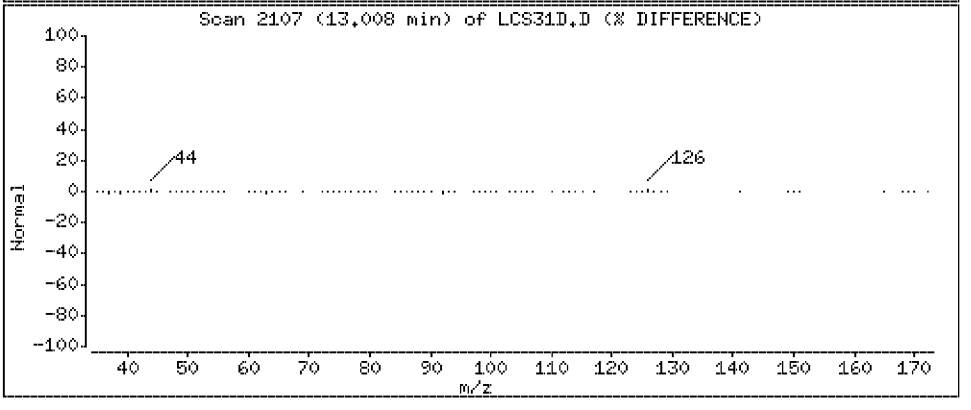
88 Benzyl Chloride

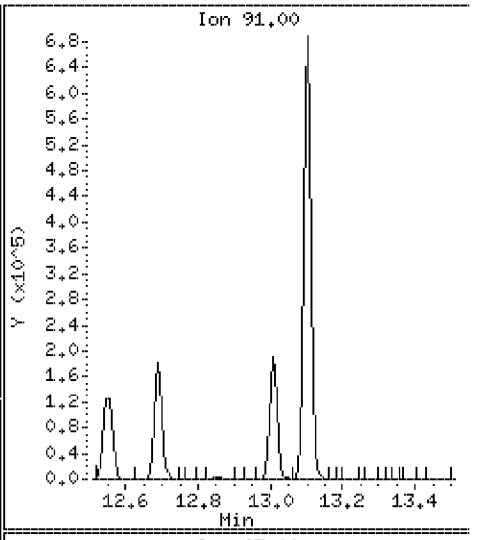
Concentration: 15.6 ug/l

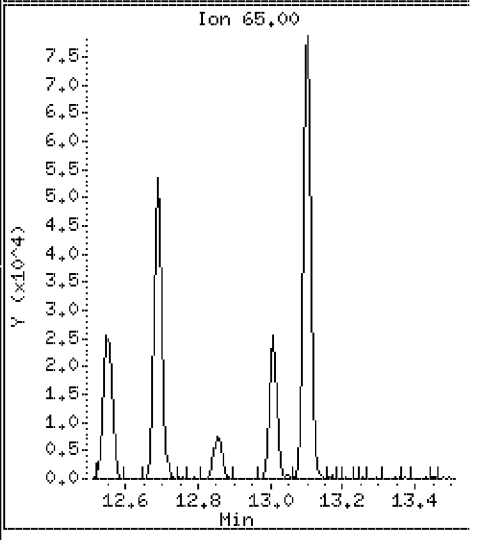












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

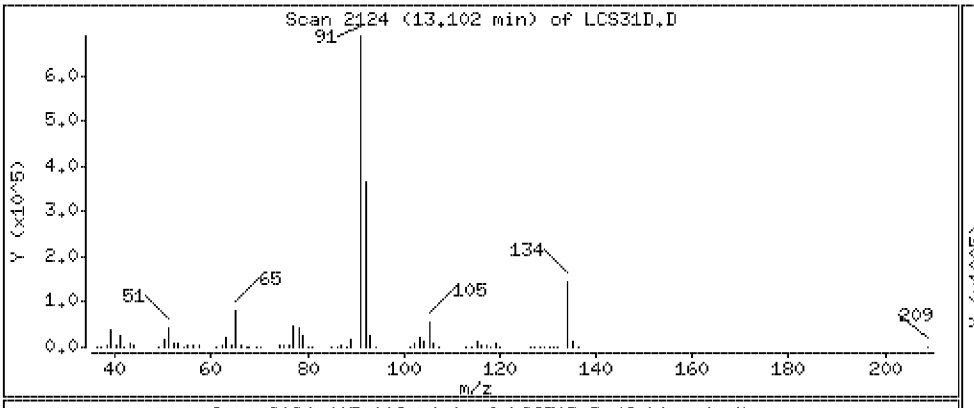
Operator:

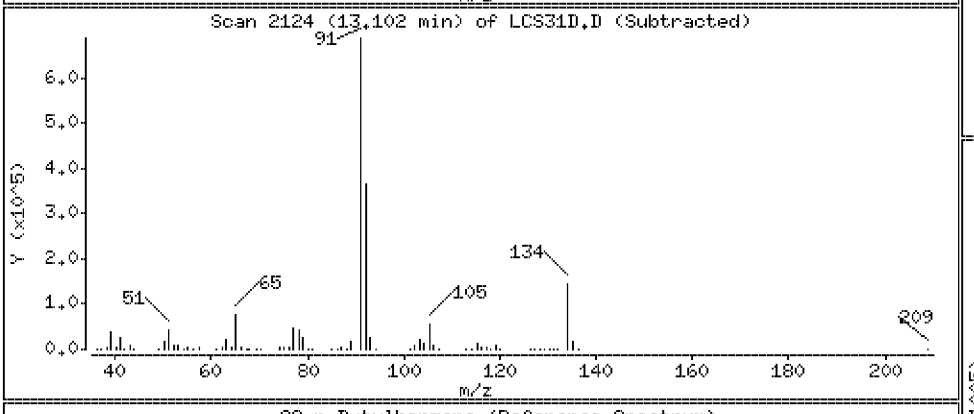
Column phase: DB-624

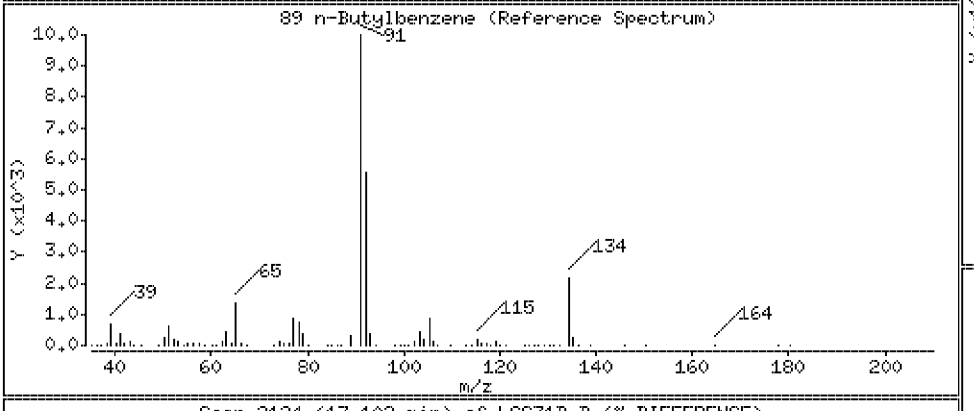
Column diameter: 0.18

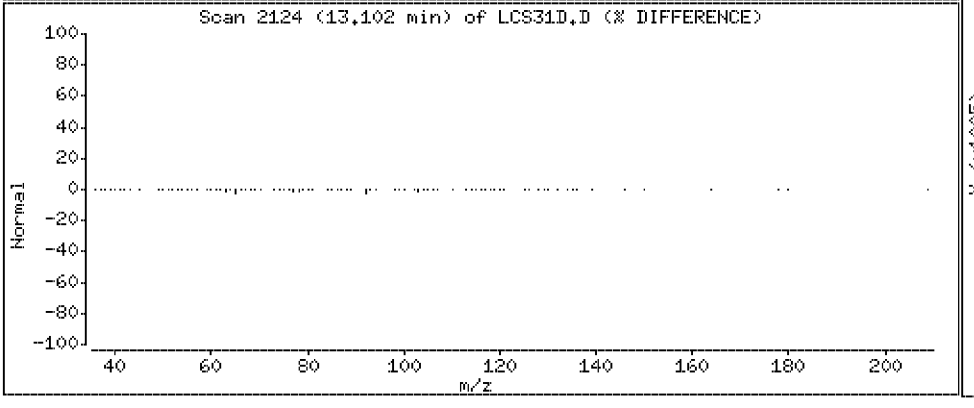
89 n-Butylbenzene

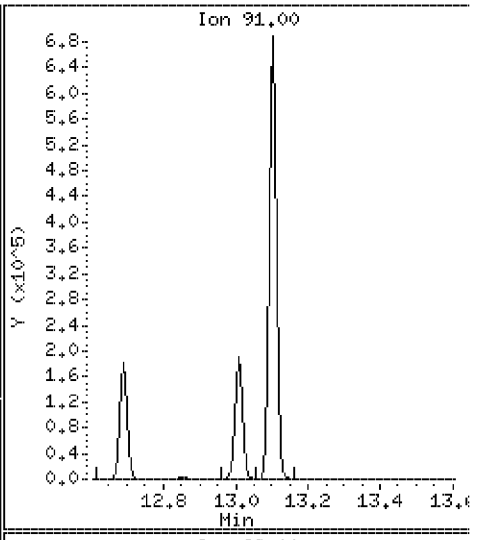
Concentration: 21.7 ug/l

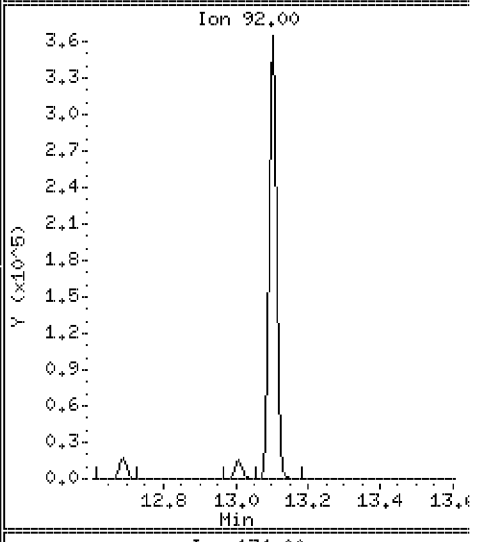


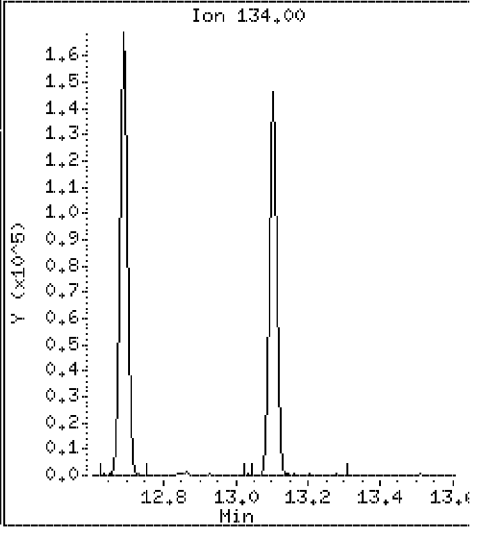












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

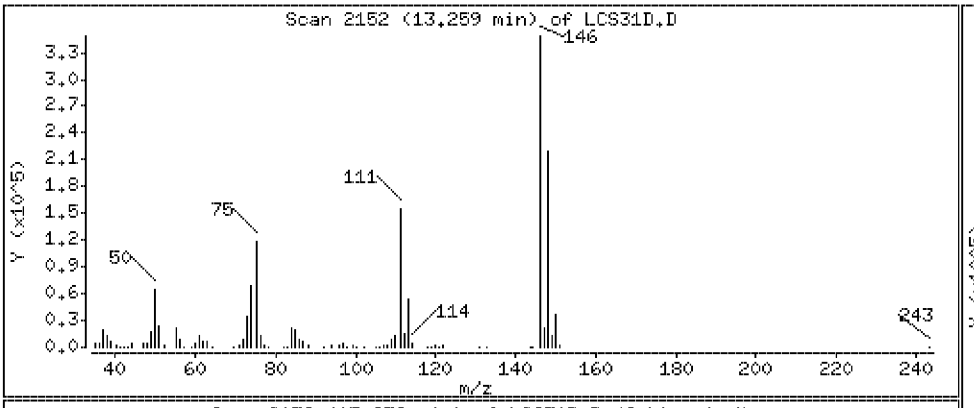
Operator:

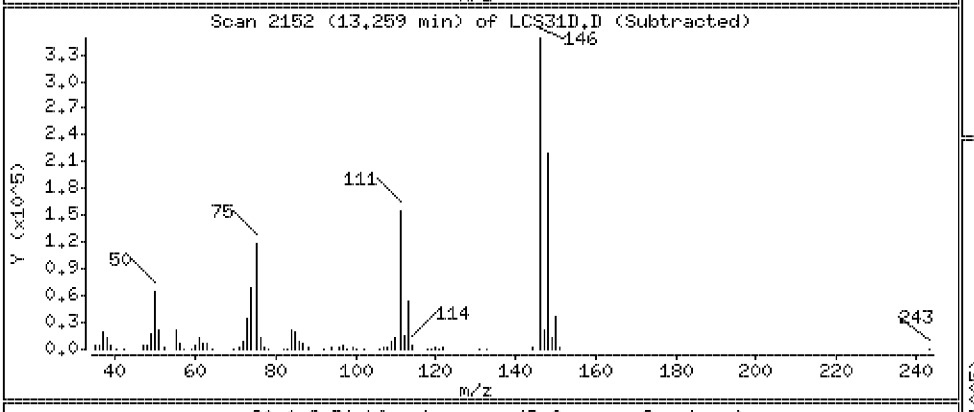
Column phase: DB-624

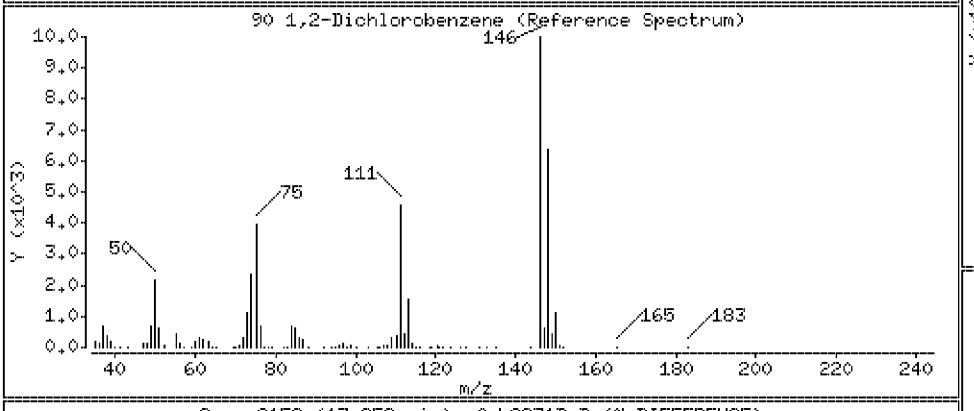
Column diameter: 0.18

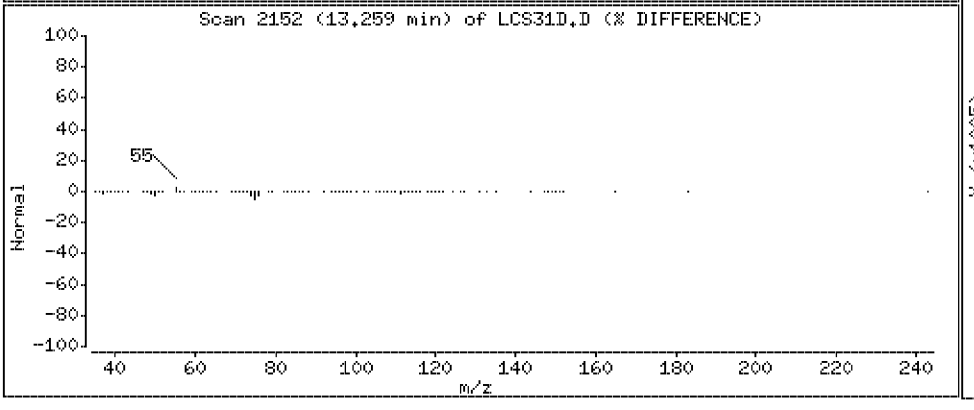
90 1,2-Dichlorobenzene

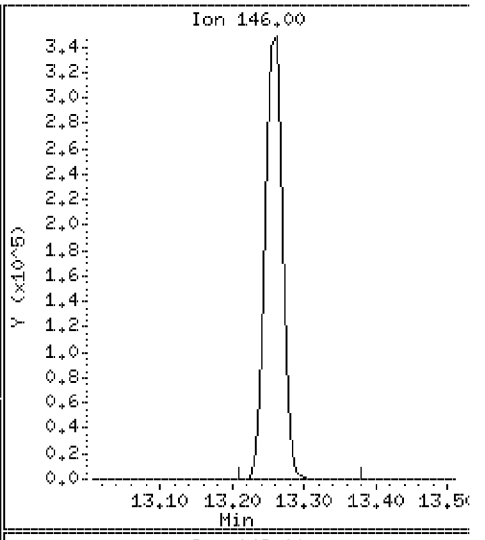
Concentration: 19.4 ug/l

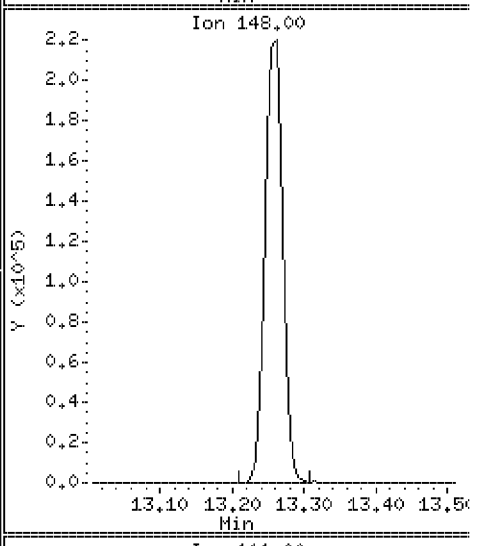


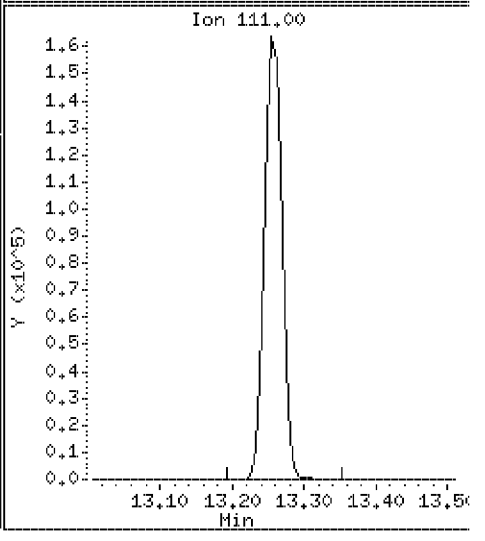












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

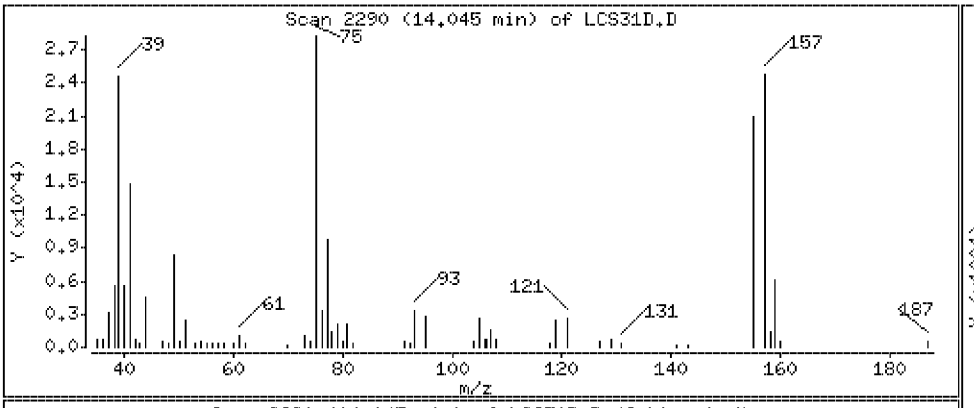
Operator:

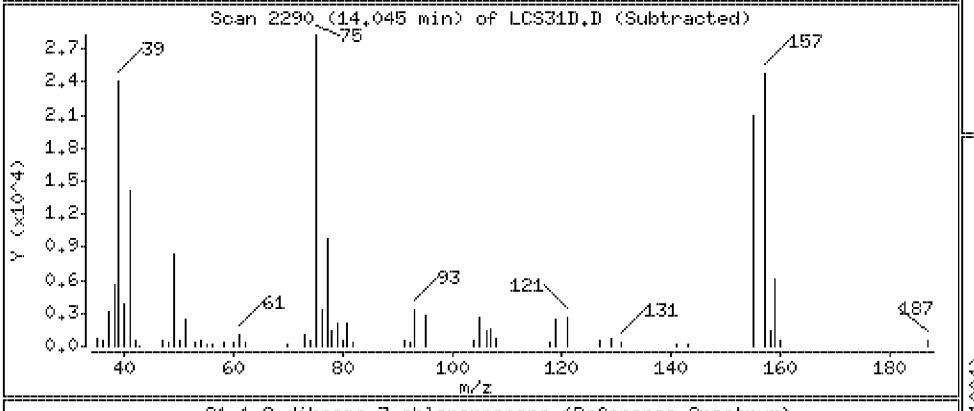
Column phase: DB-624

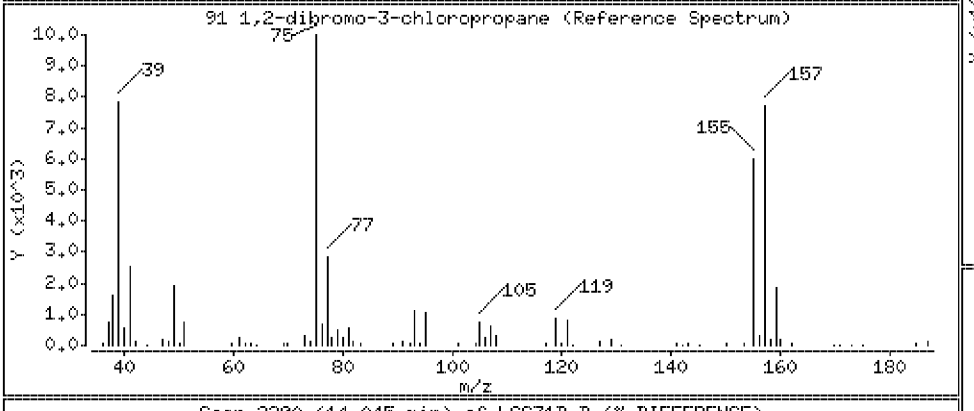
Column diameter: 0.18

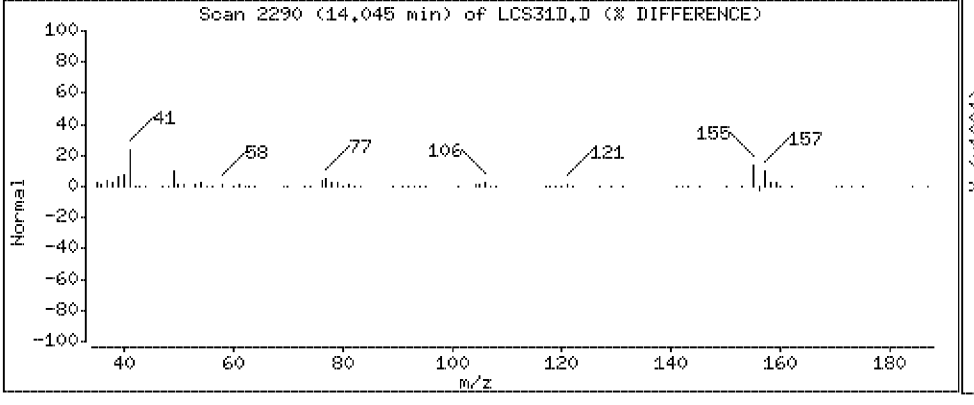
91 1,2-dibromo-3-chloropropane

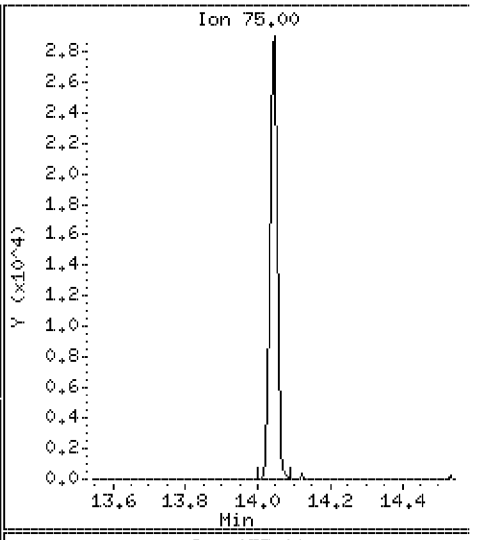
Concentration: 18.8 ug/l

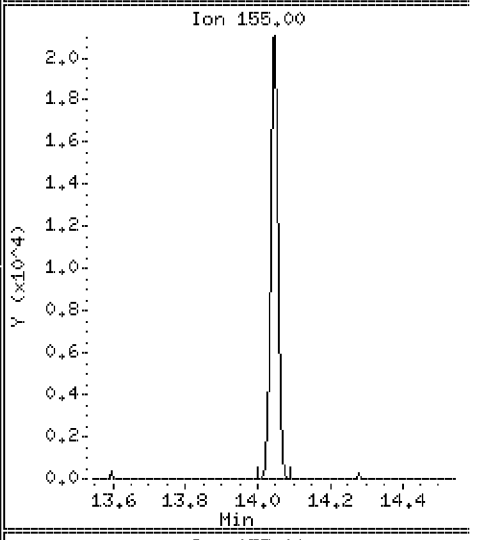


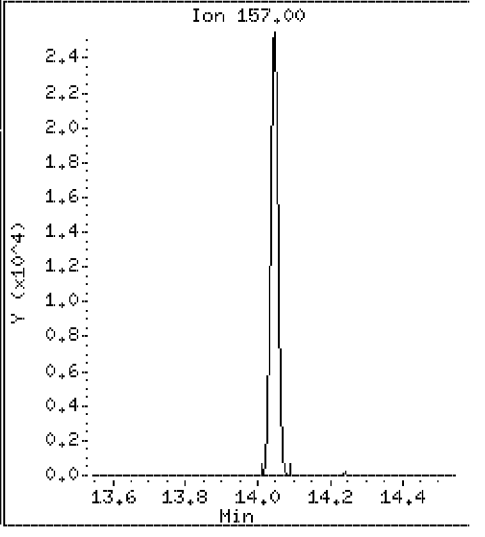












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

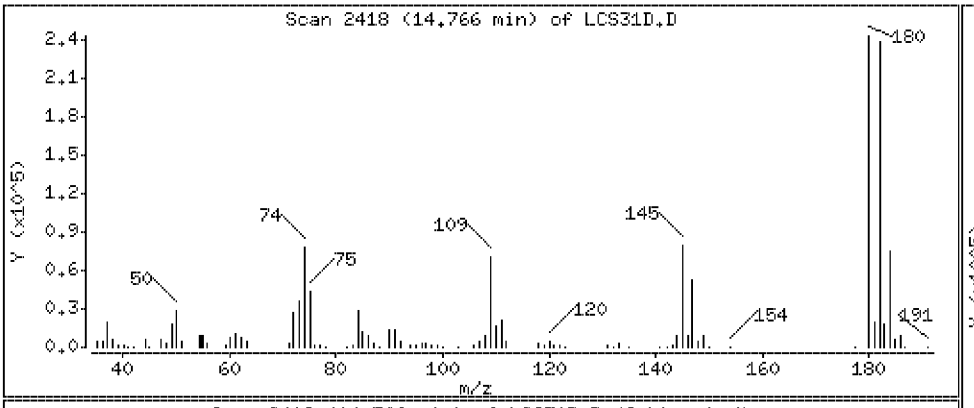
Operator:

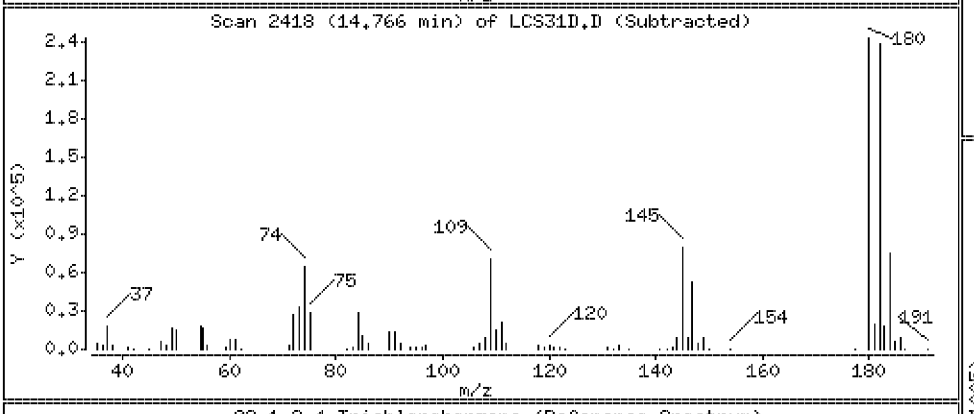
Column phase: DB-624

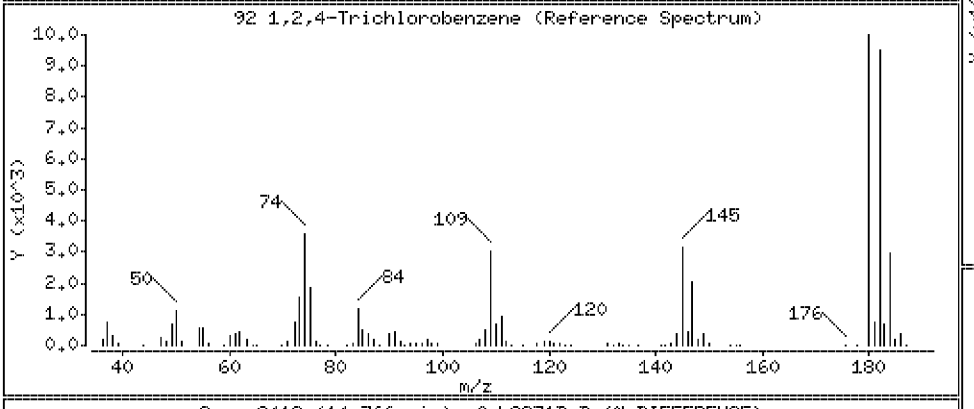
Column diameter: 0.18

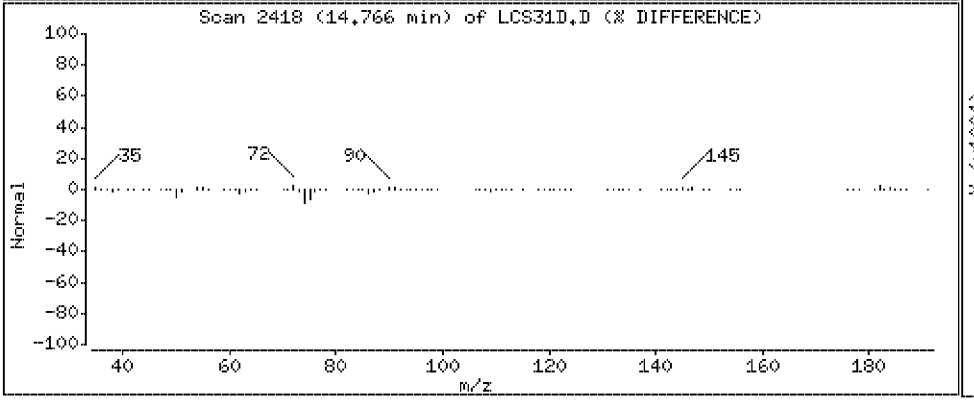
92 1,2,4-Trichlorobenzene

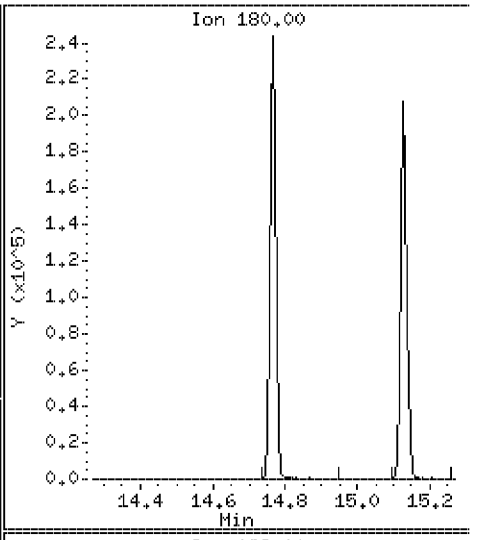
Concentration: 20.4 ug/l

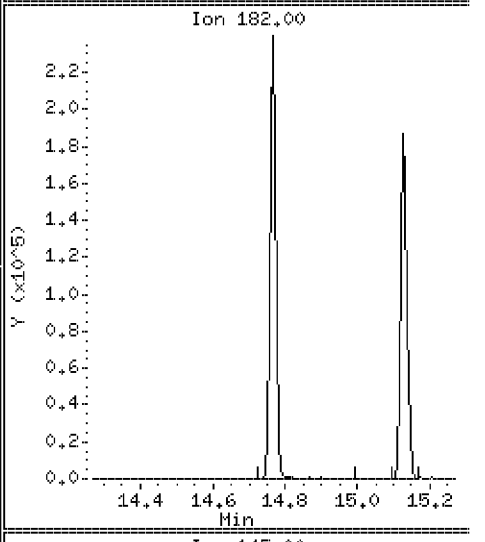


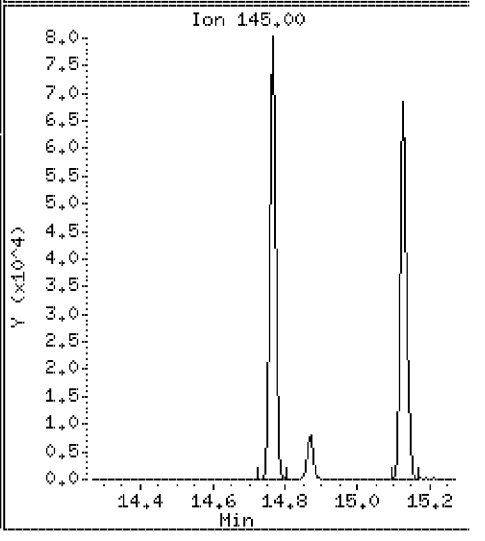












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

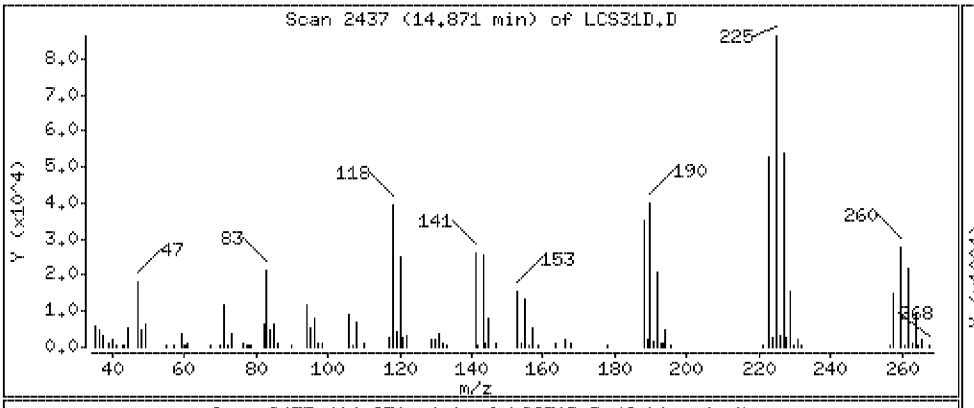
Operator:

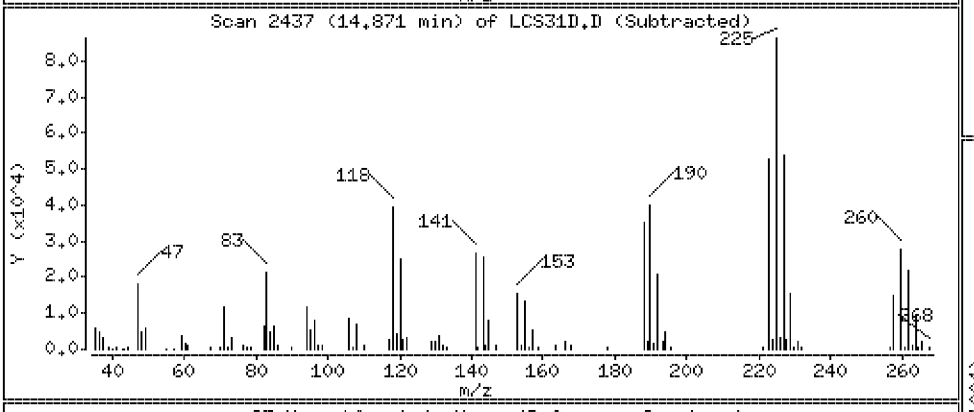
Column phase: DB-624

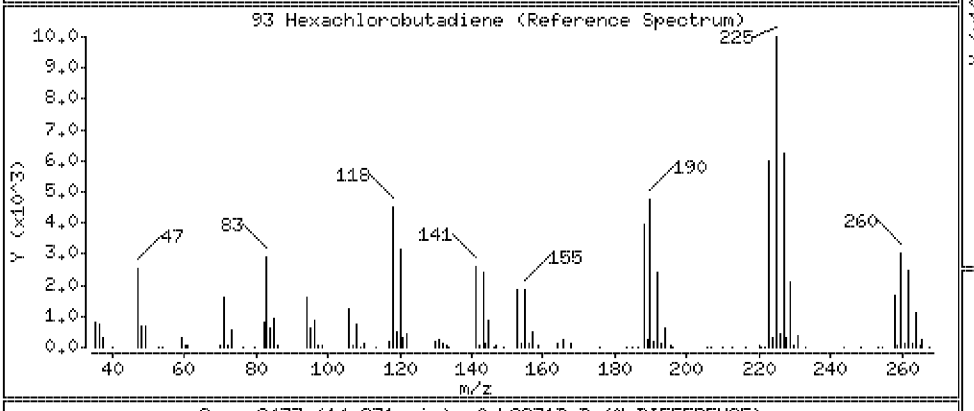
Column diameter: 0.18

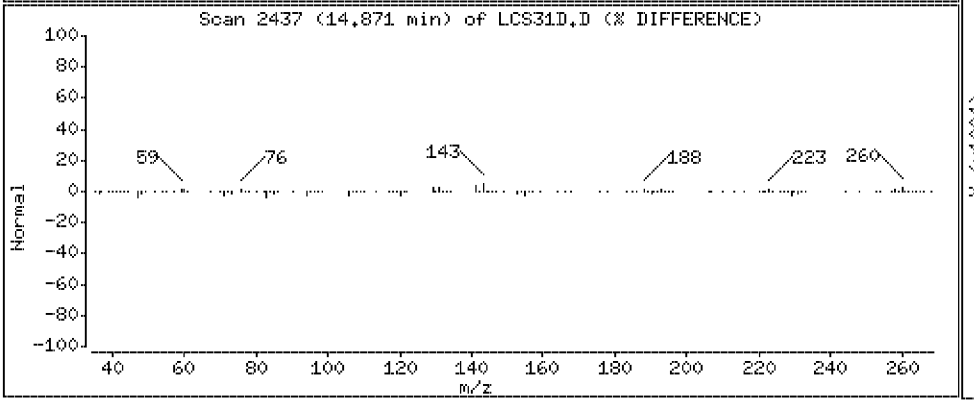
93 Hexachlorobutadiene

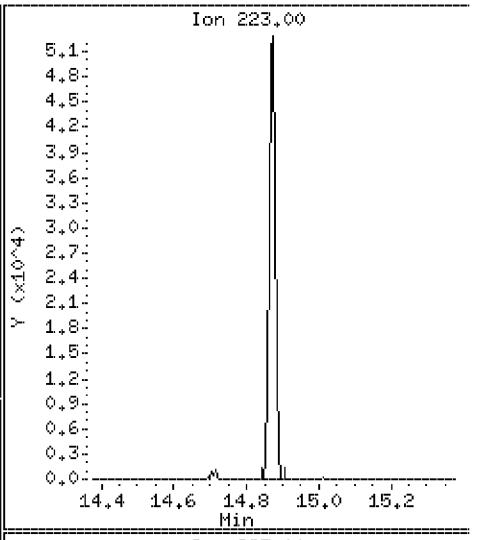
Concentration: 21.0 ug/l

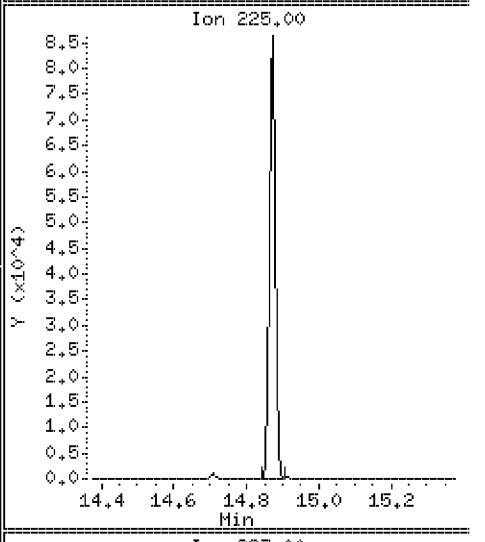


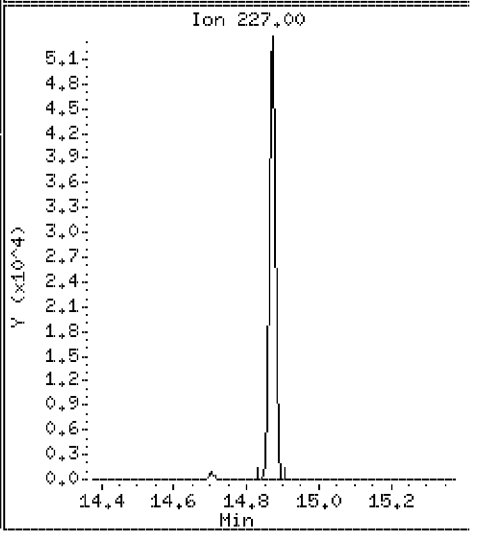












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

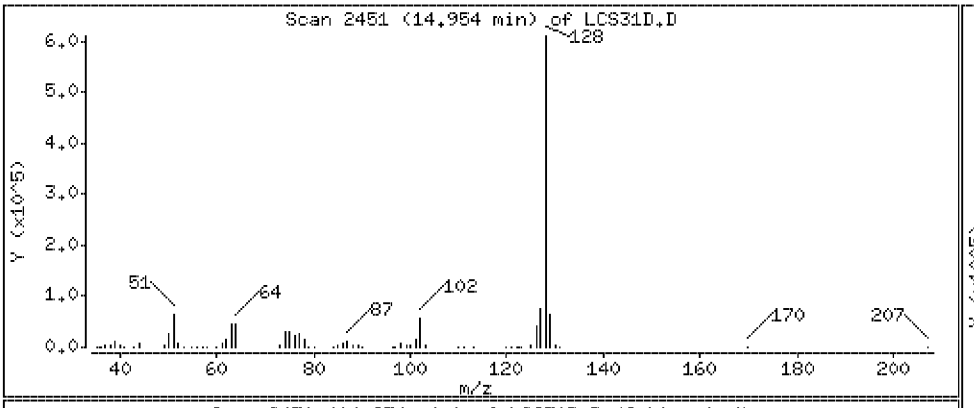
Operator:

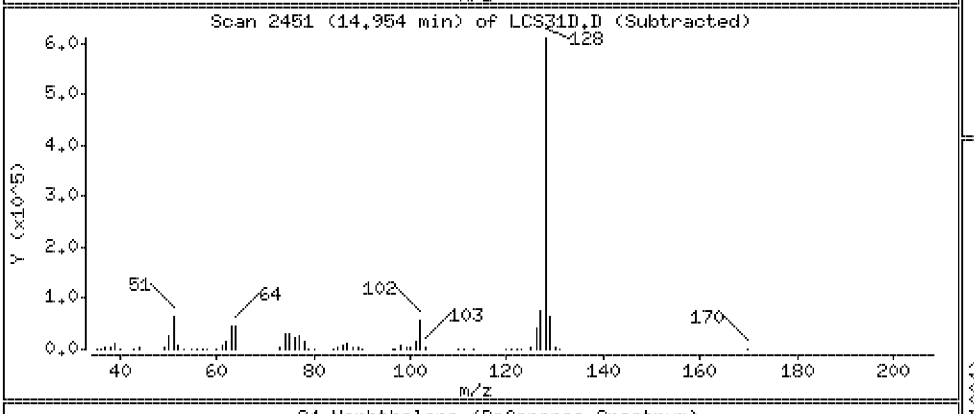
Column phase: DB-624

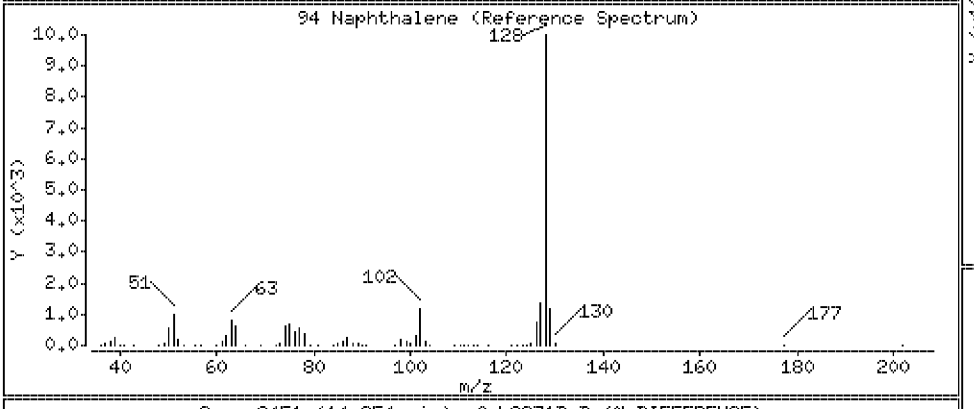
Column diameter: 0.18

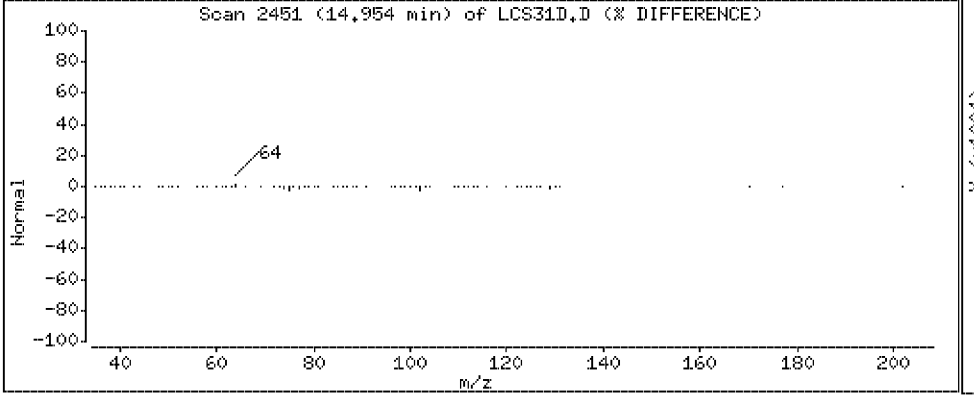
94 Naphthalene

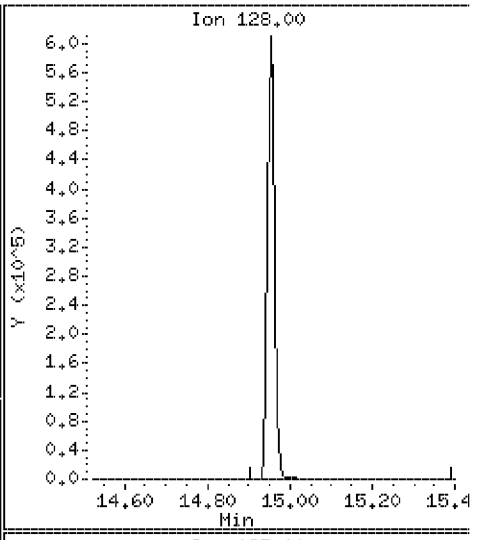
Concentration: 21.0 ug/l

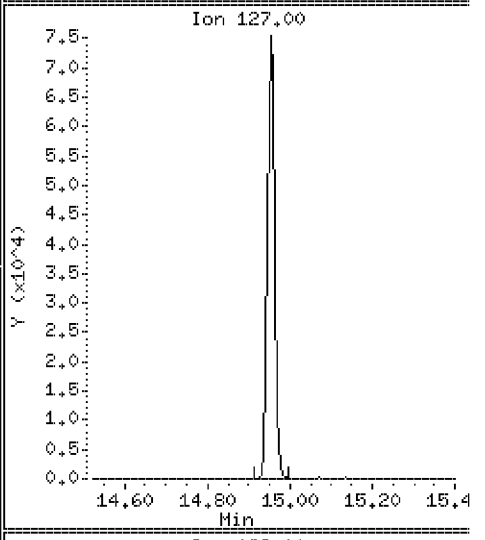


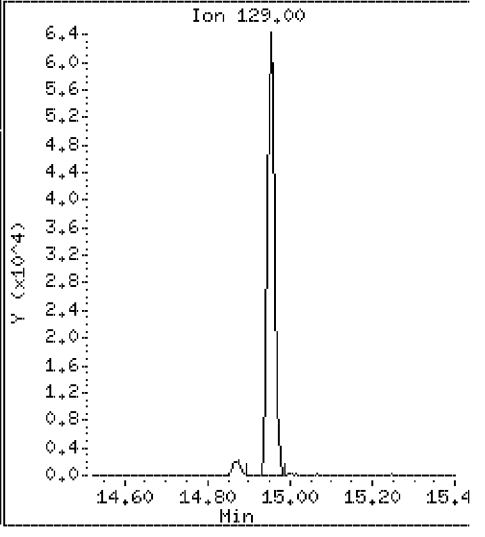












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

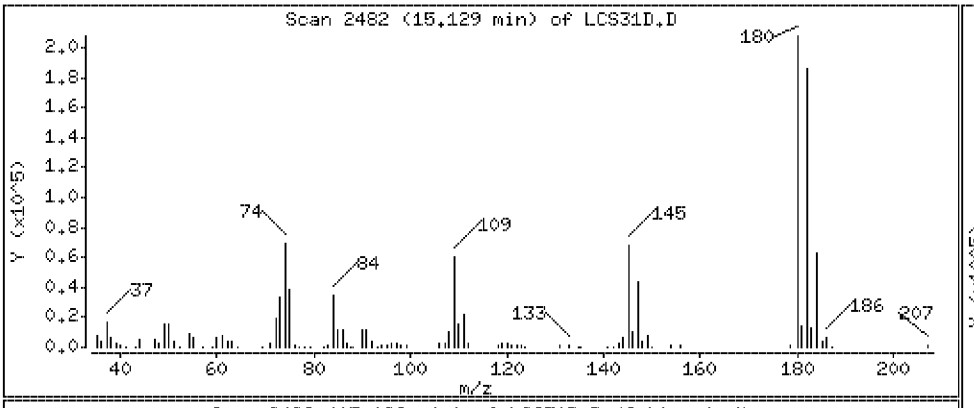
Operator:

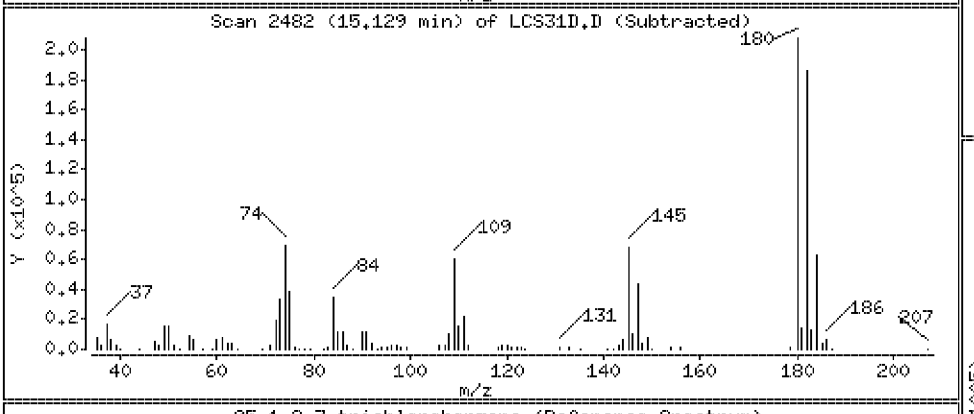
Column phase: DB-624

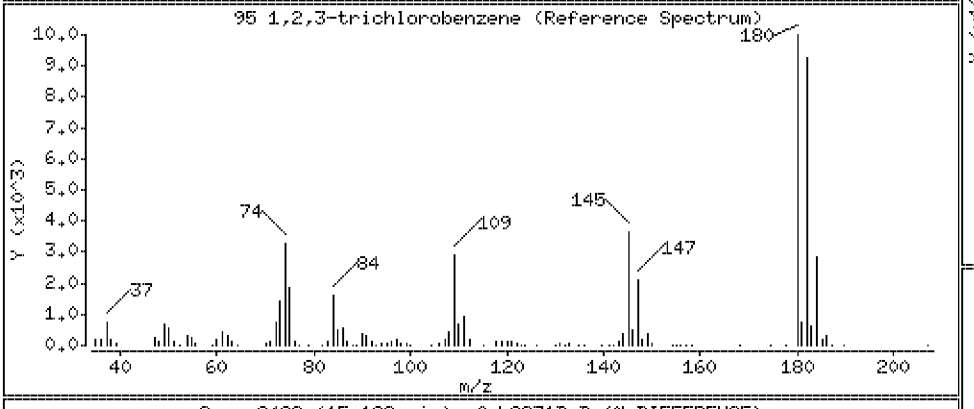
Column diameter: 0.18

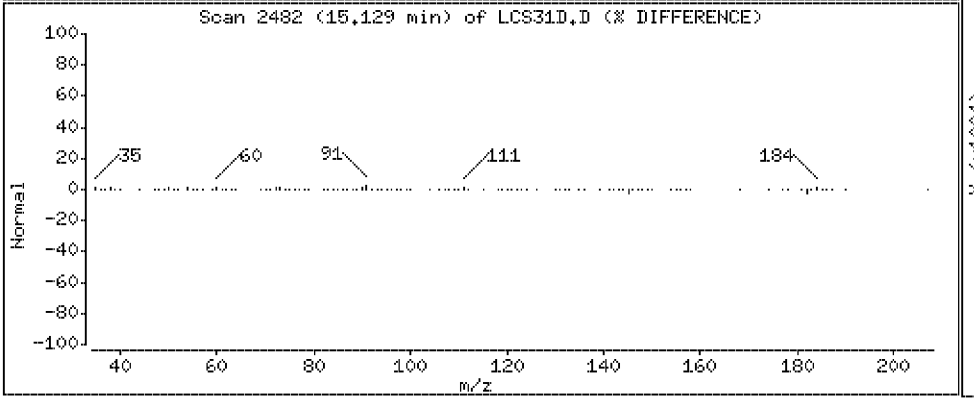
95 1,2,3-trichlorobenzene

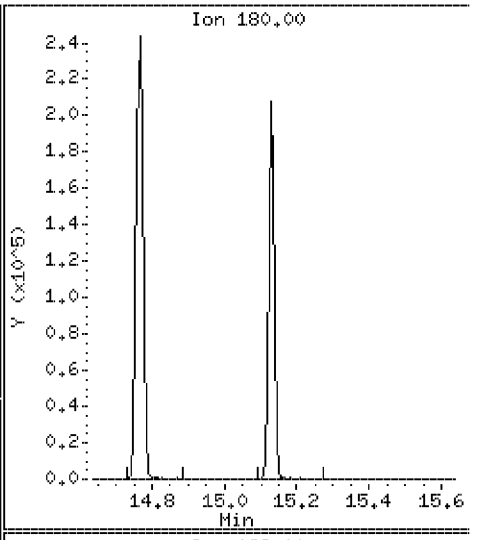
Concentration: 20.2 ug/l

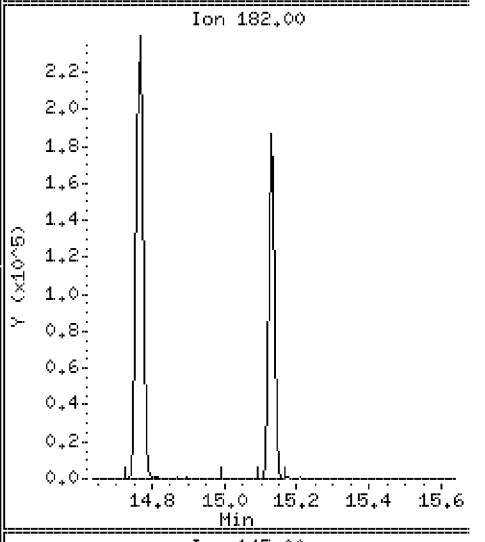


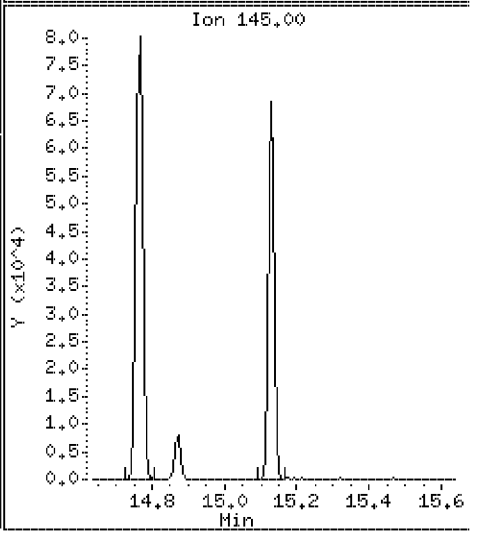












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

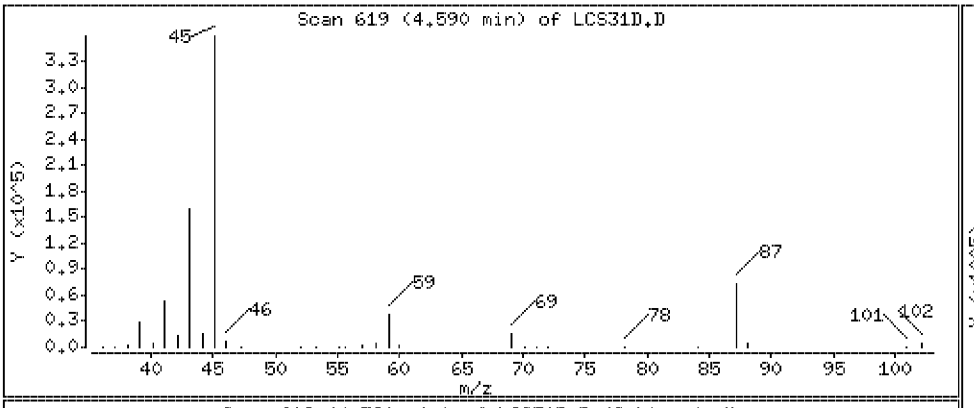
Operator:

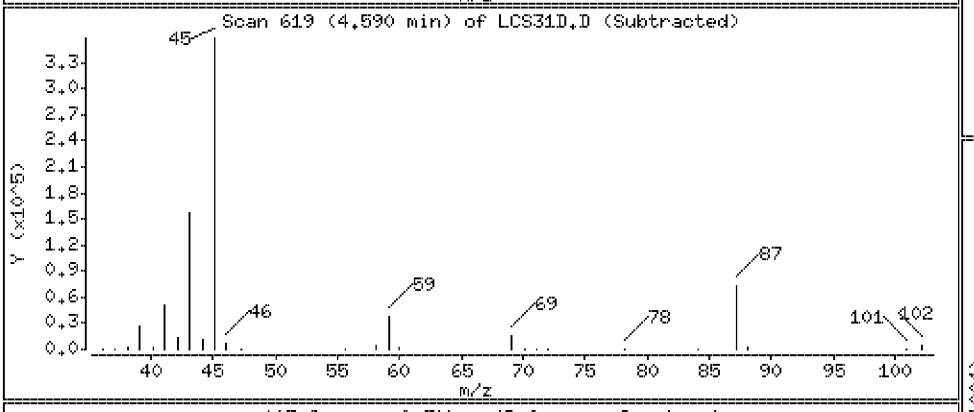
Column phase: DB-624

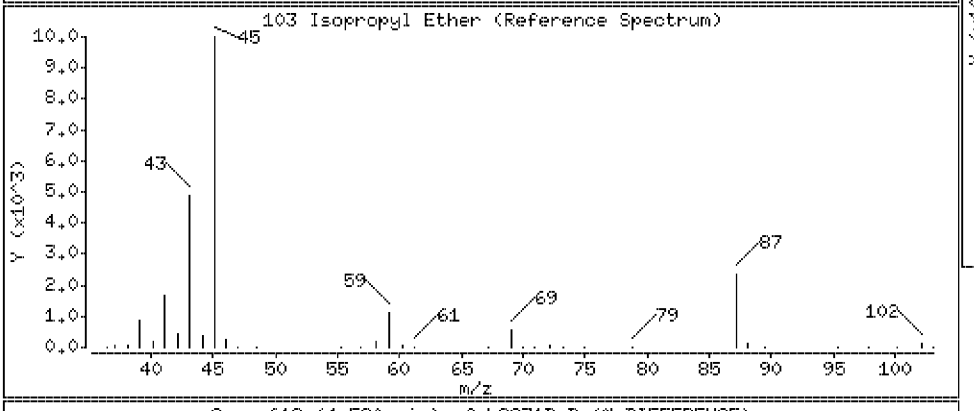
Column diameter: 0.18

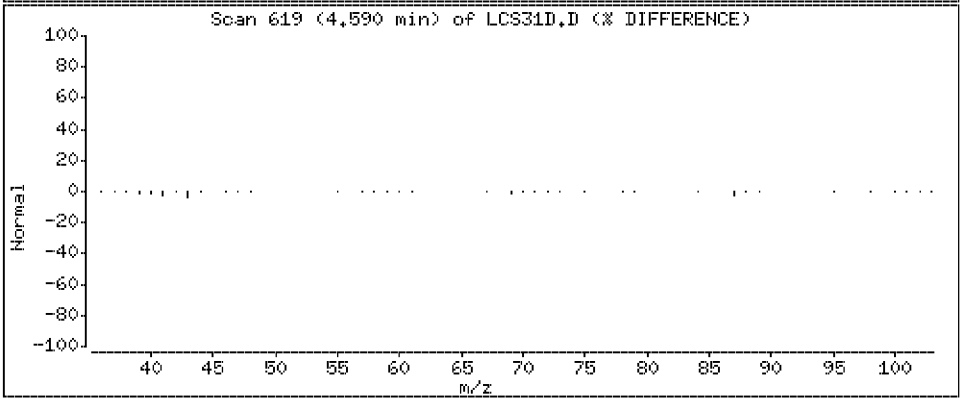
103 Isopropyl Ether

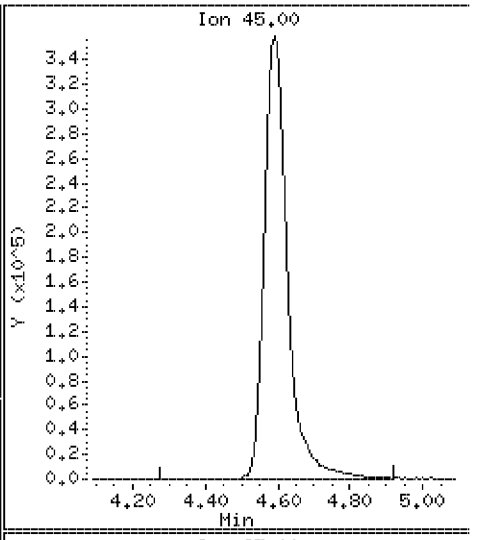
Concentration: 19.2 ug/l

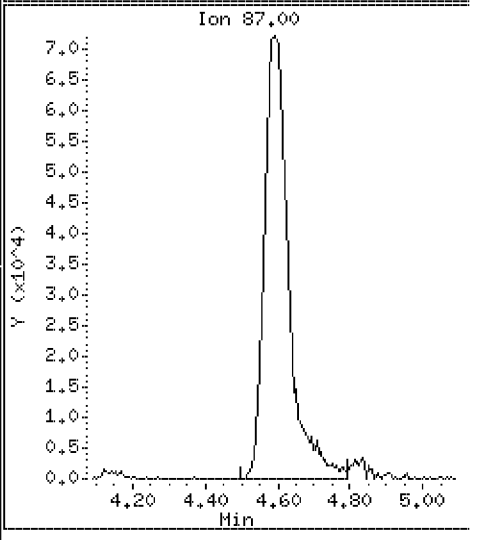












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

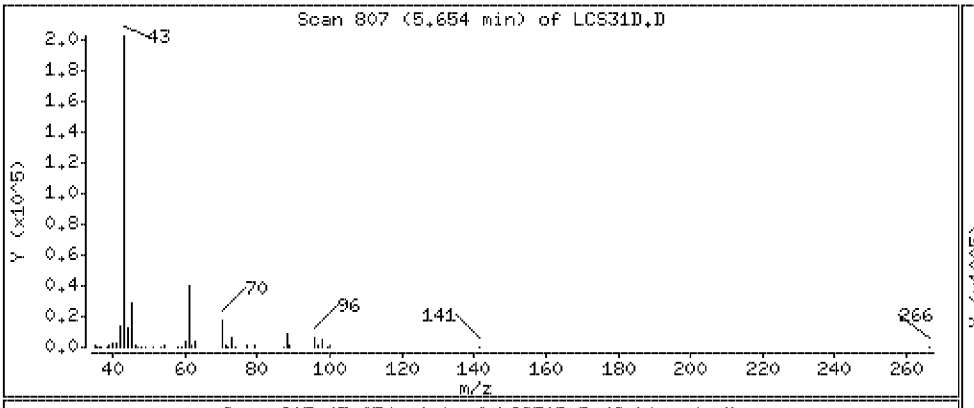
Operator:

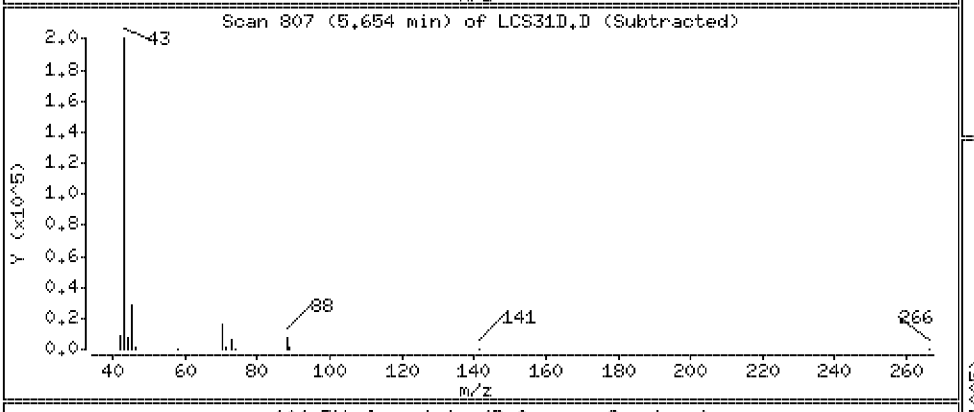
Column phase: DB-624

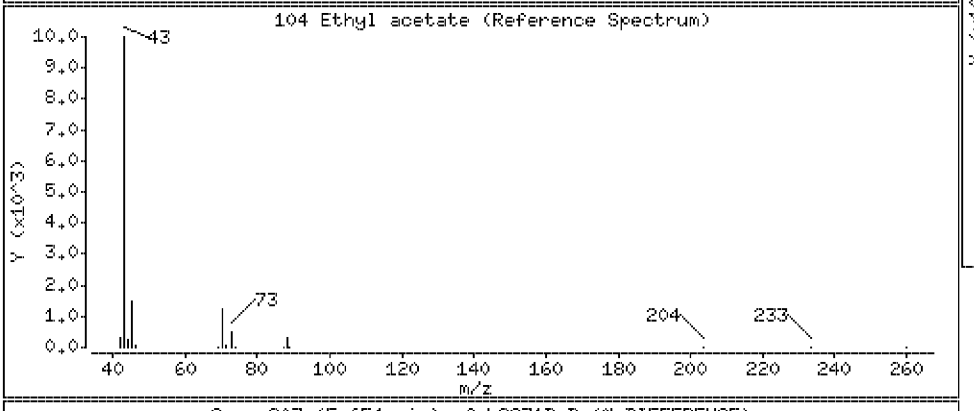
Column diameter: 0.18

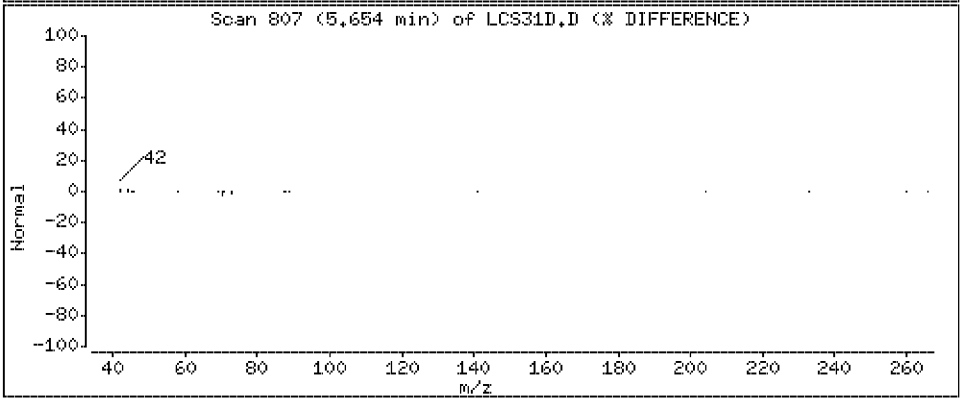
104 Ethyl acetate

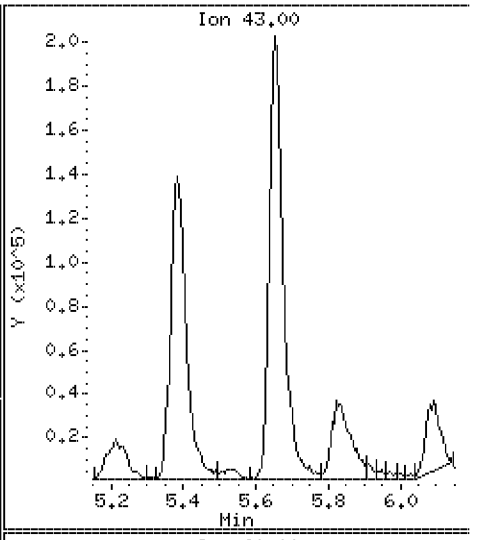
Concentration: 39.9 ug/l

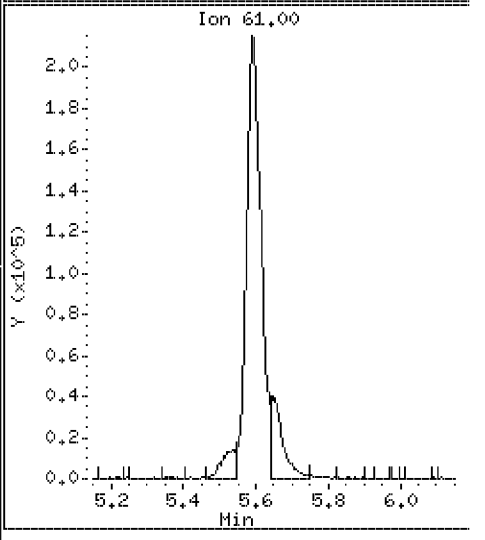












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

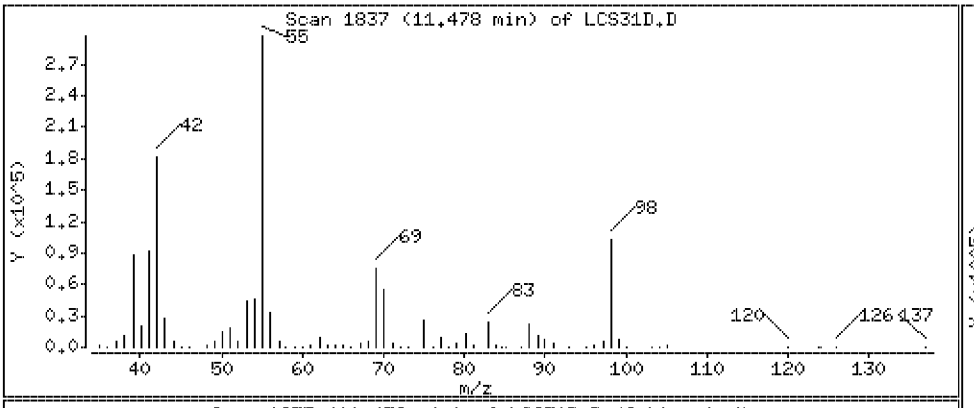
Operator:

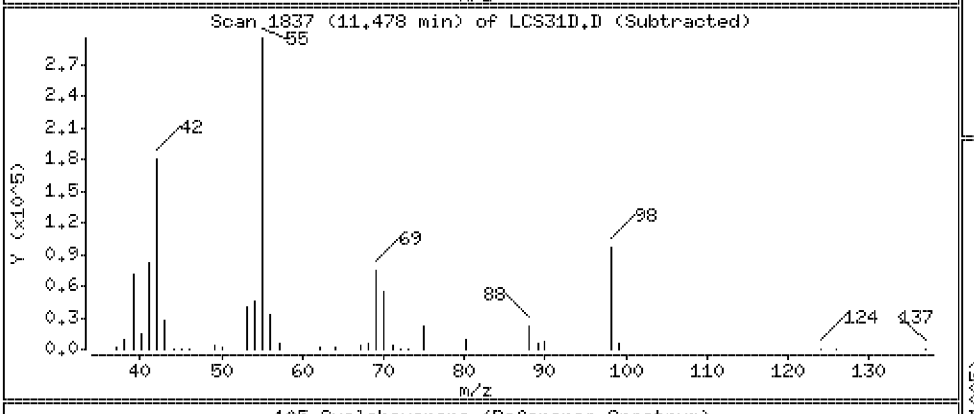
Column phase: DB-624

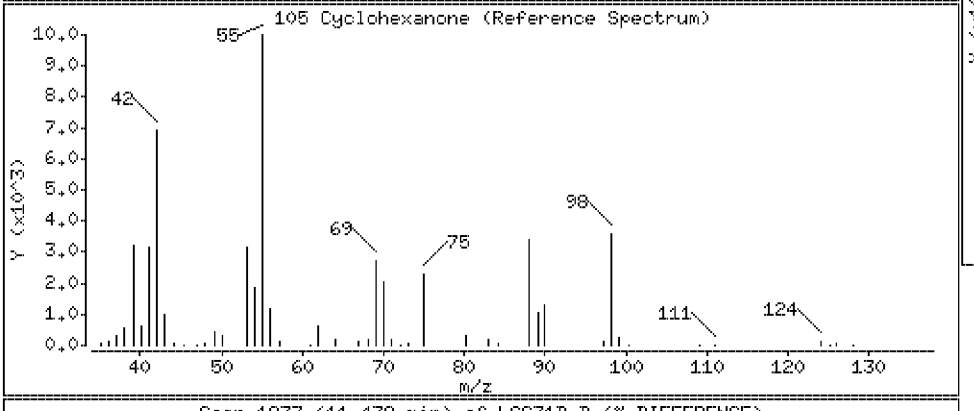
Column diameter: 0.18

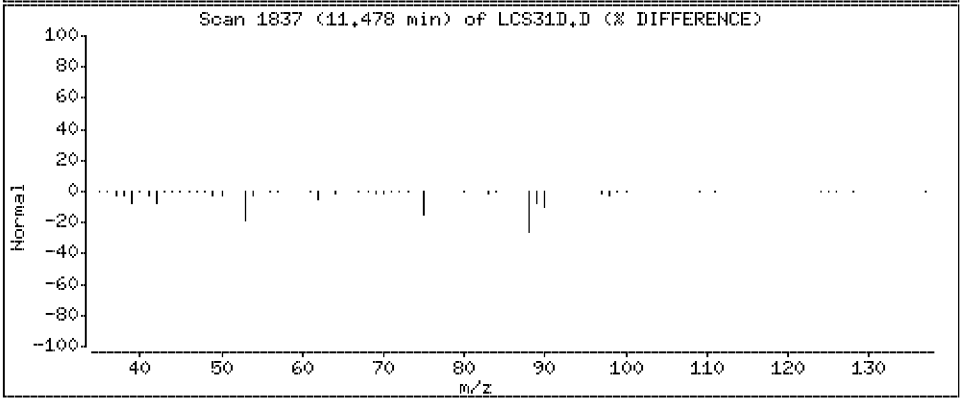
105 Cyclohexanone

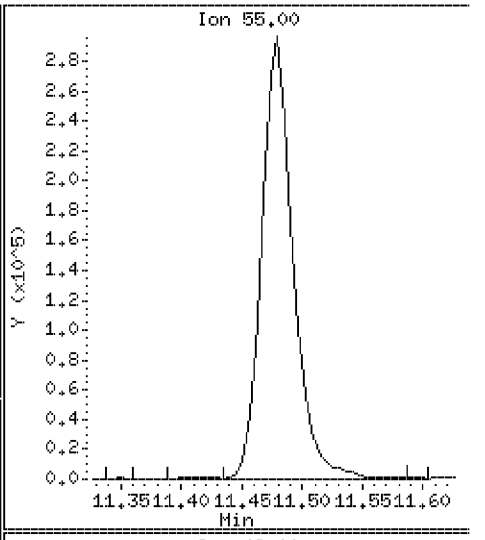
Concentration: 243 ug/l

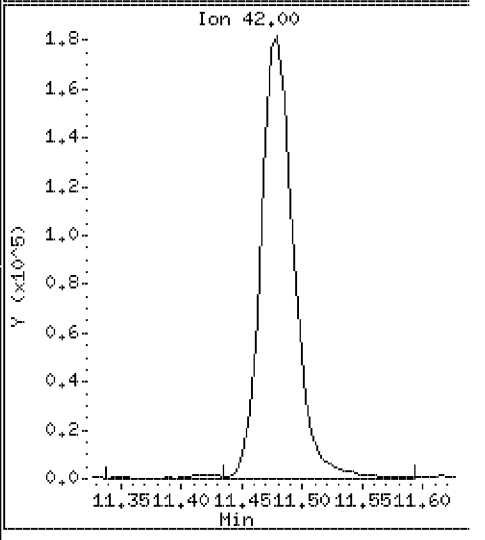












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

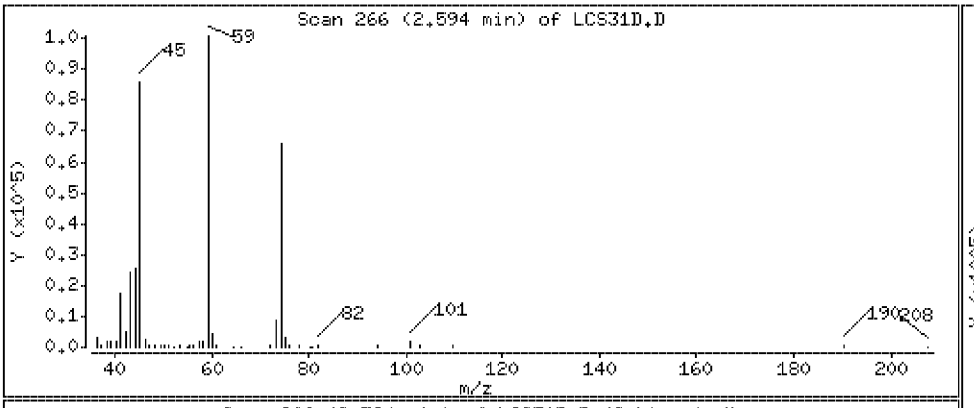
Operator:

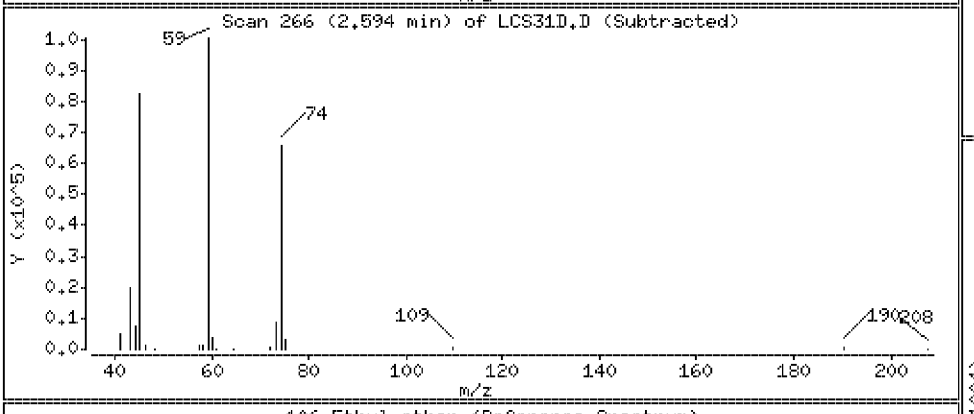
Column phase: DB-624

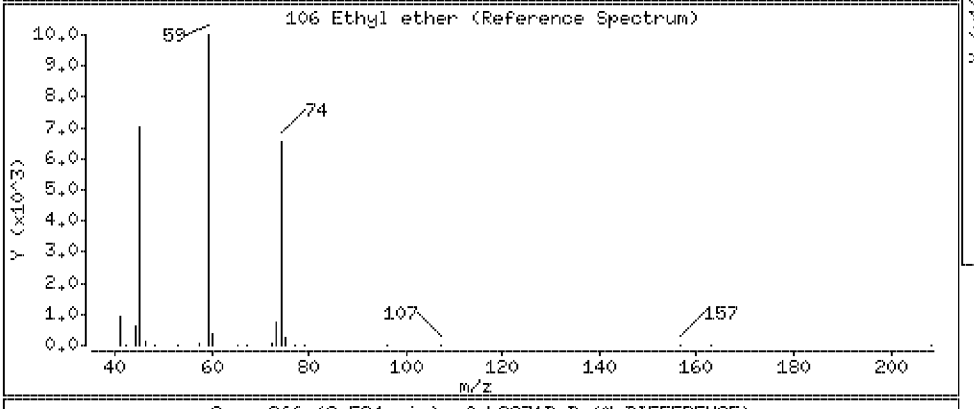
Column diameter: 0.18

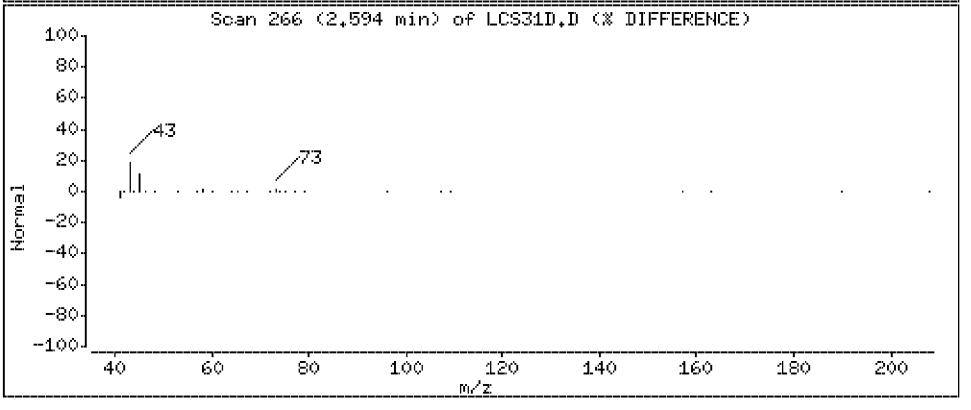
106 Ethyl ether

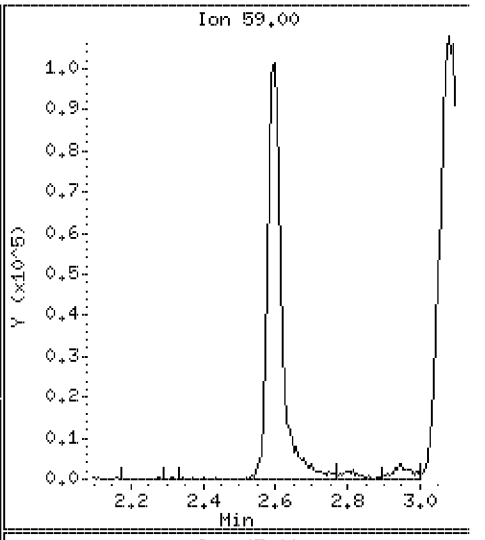
Concentration: 18.9 ug/l

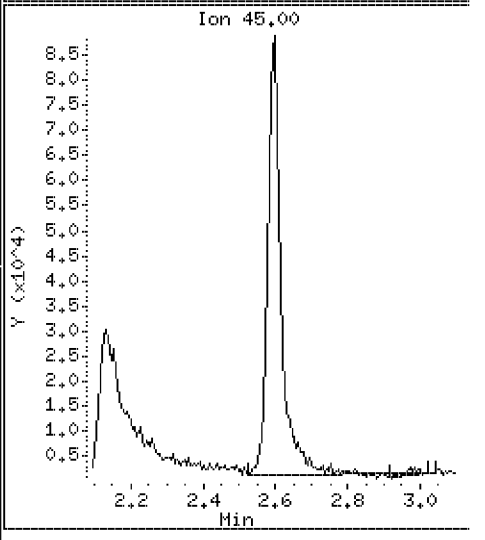












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

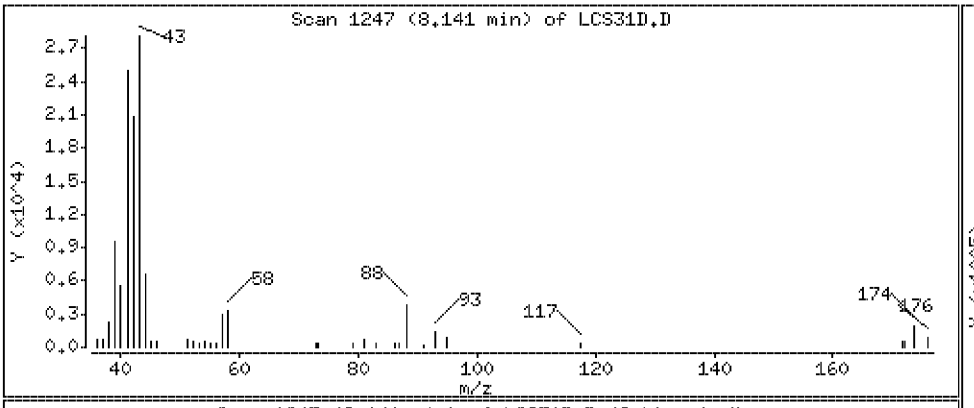
Operator:

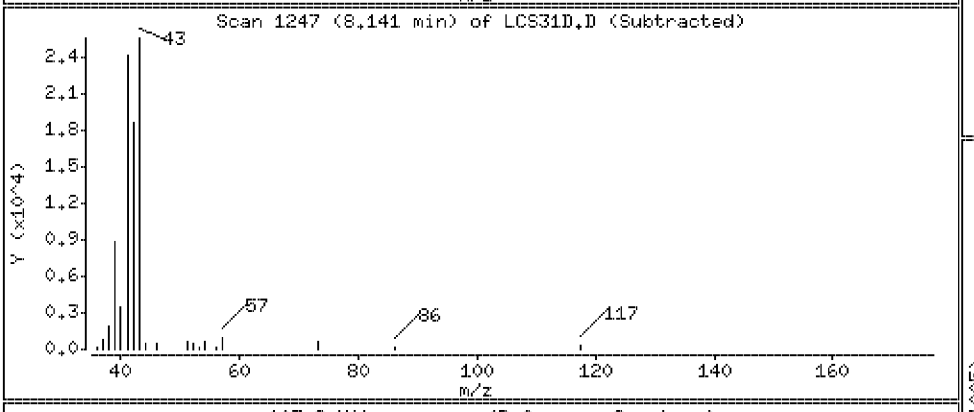
Column phase: DB-624

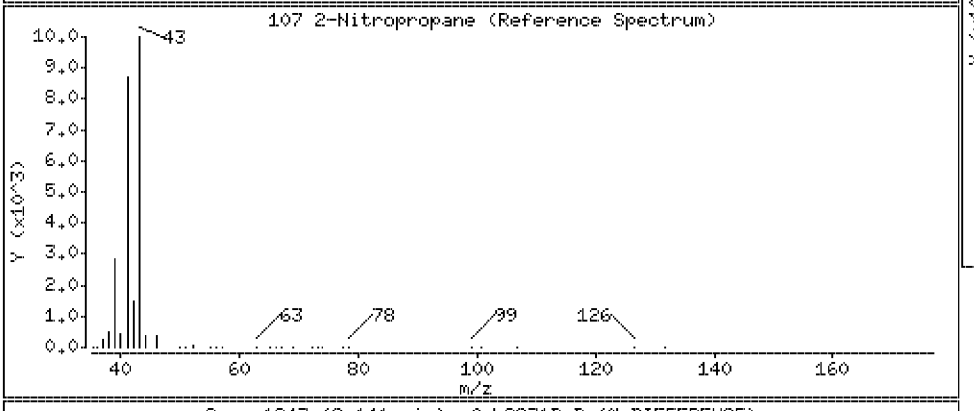
Column diameter: 0.18

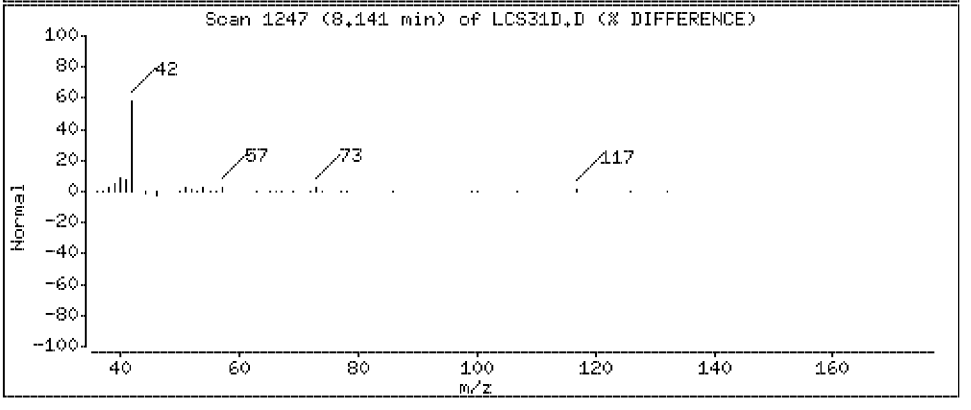
107 2-Nitropropane

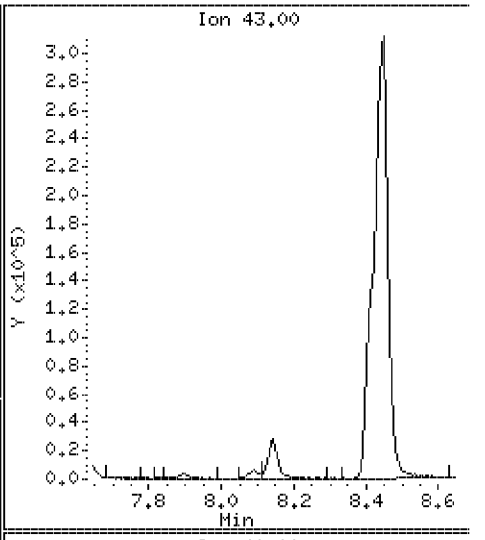
Concentration: 33.3 ug/l

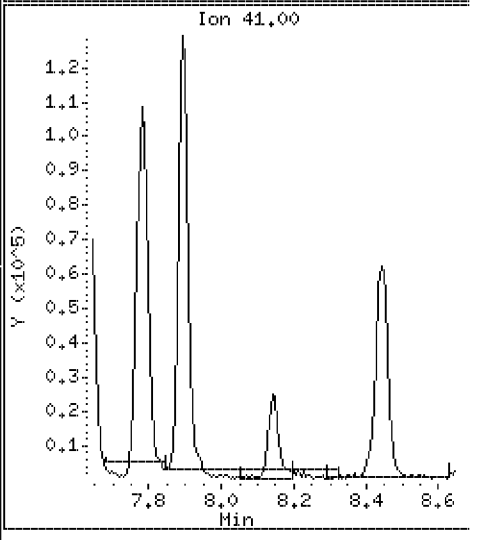












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

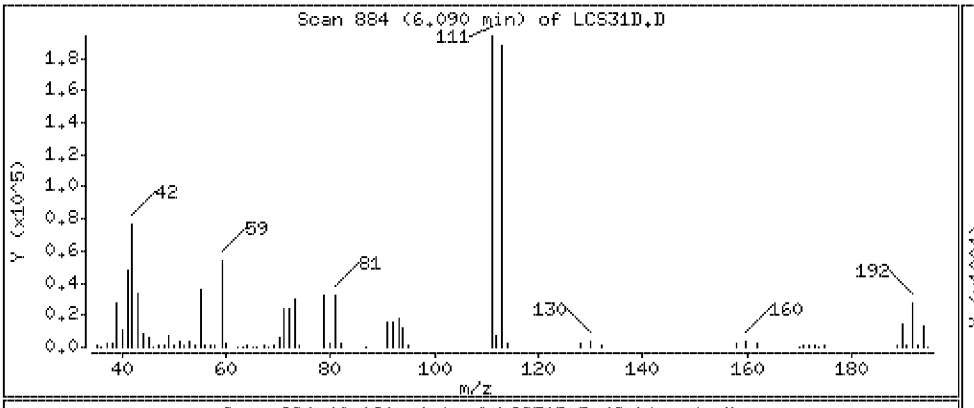
Operator:

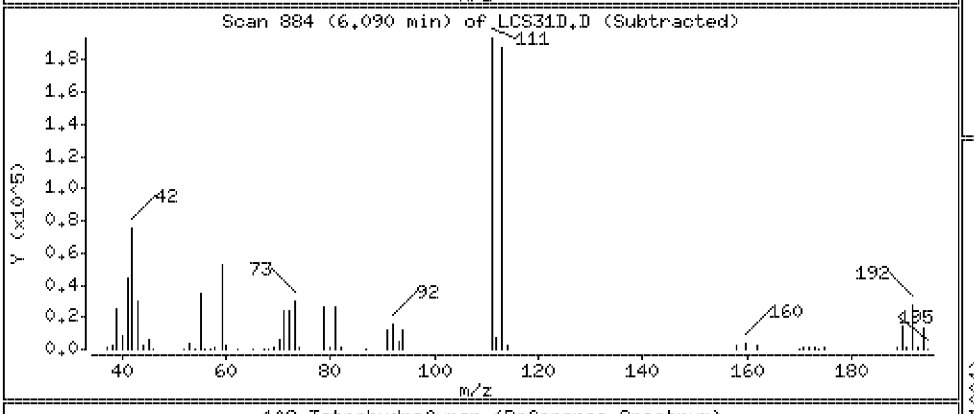
Column phase: DB-624

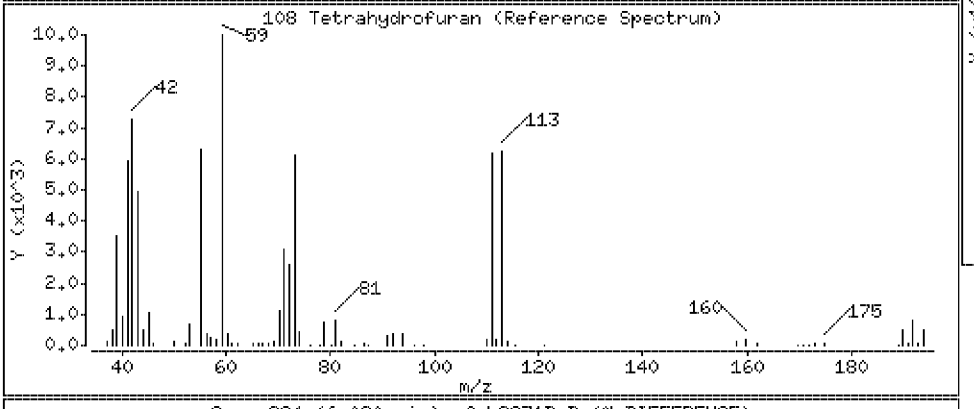
Column diameter: 0.18

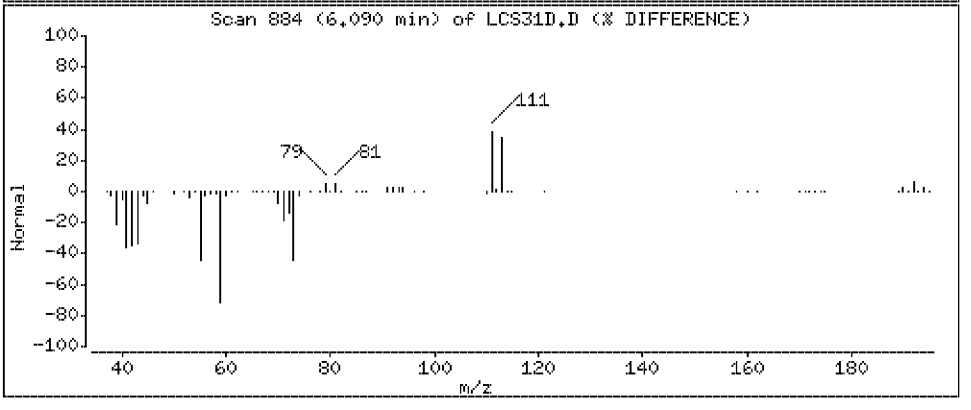
108 Tetrahydrofuran

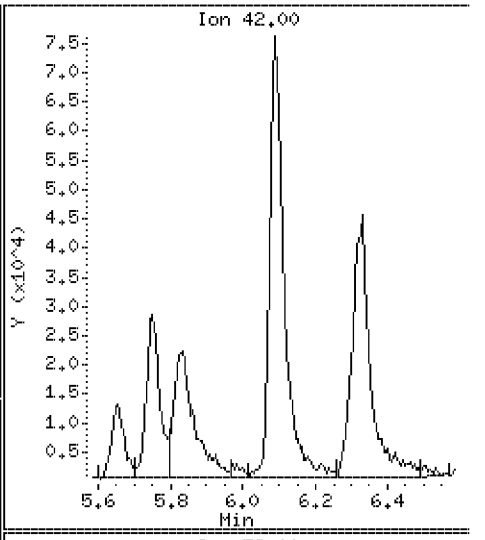
Concentration: 42.9 ug/l

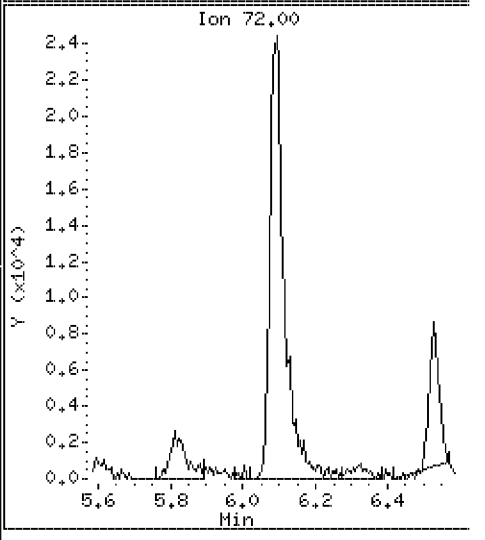












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

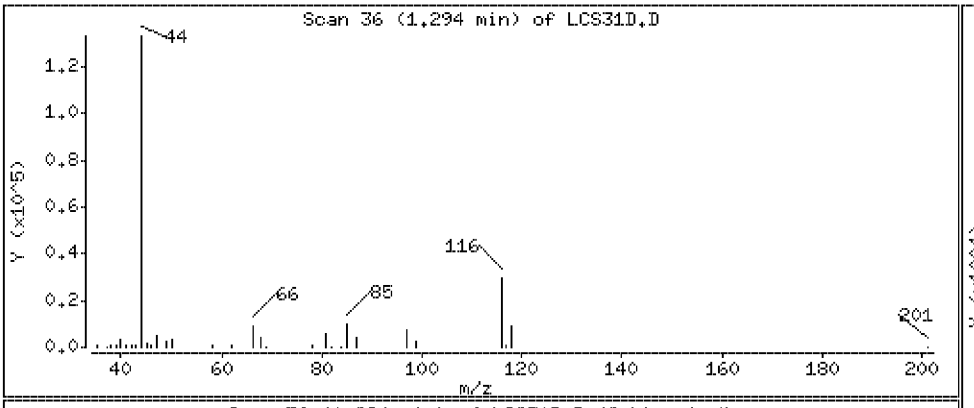
Operator:

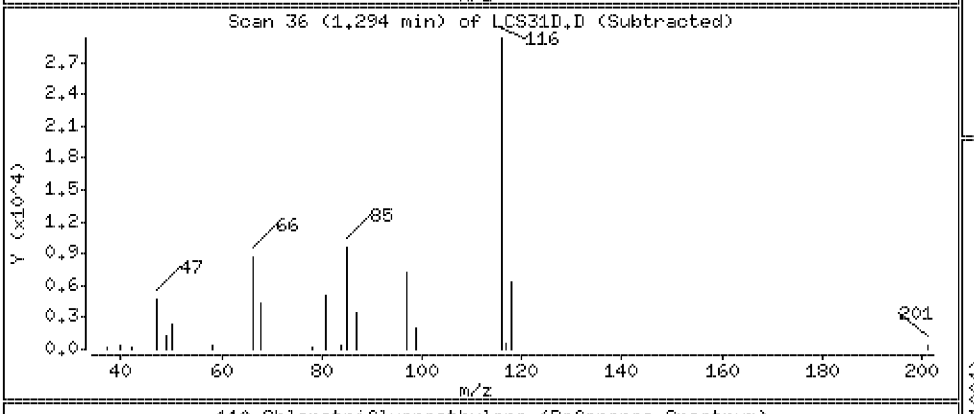
Column phase: DB-624

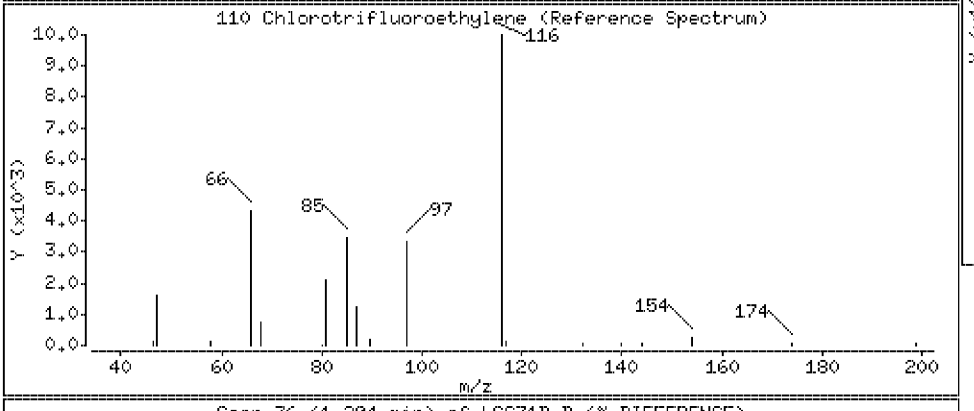
Column diameter: 0.18

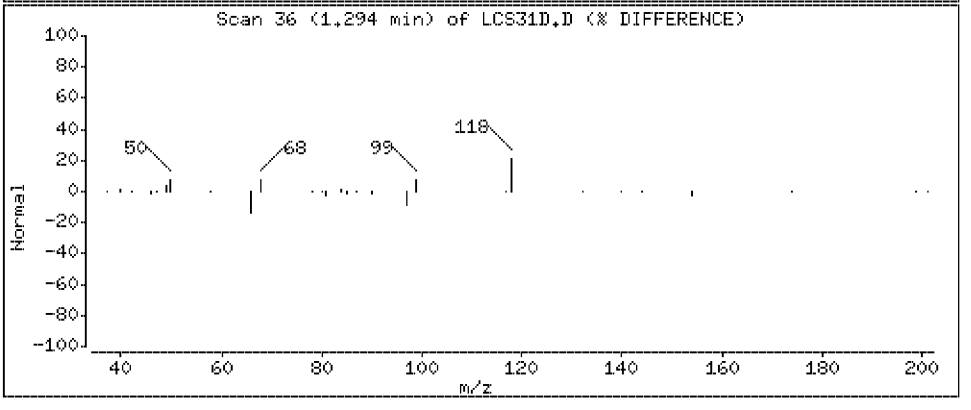
110 Chlorotrifluoroethylene

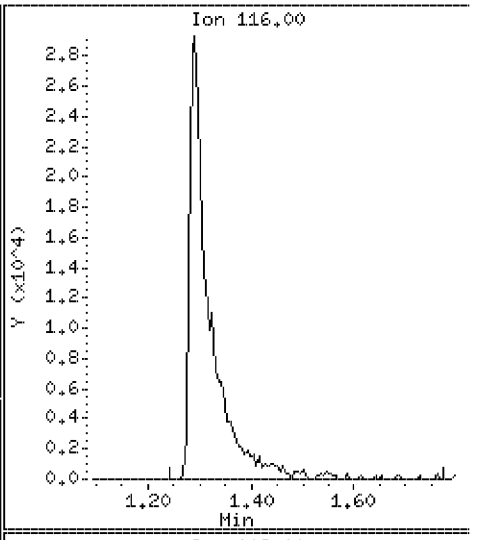
Concentration: 21.8 ug/l

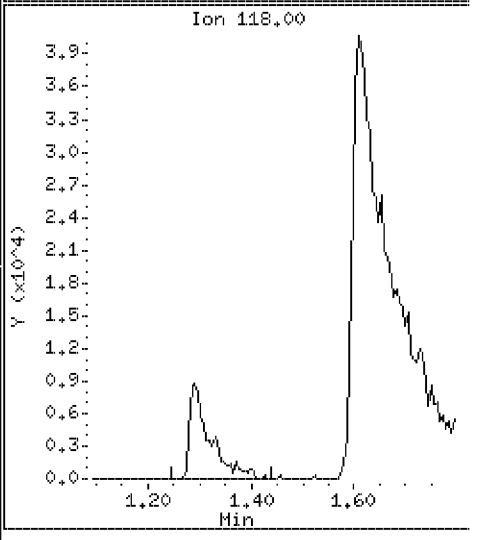












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Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

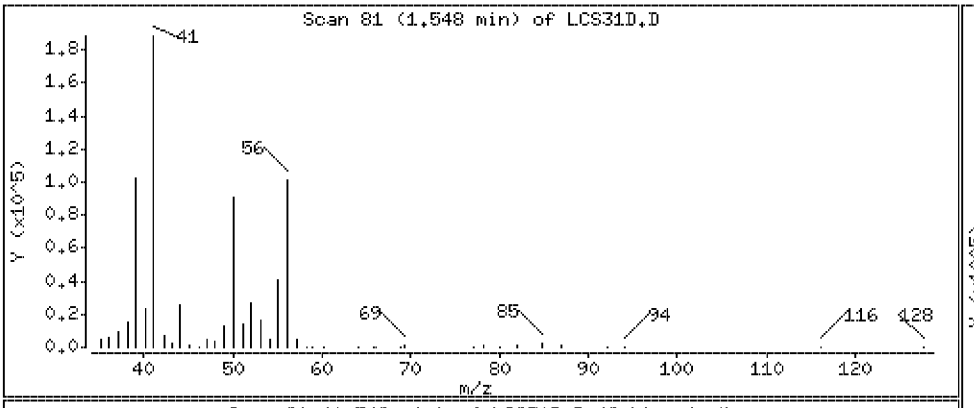
Operator:

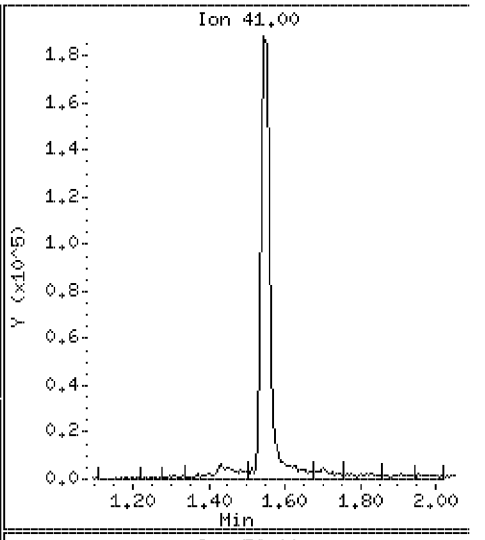
Column phase: DB-624

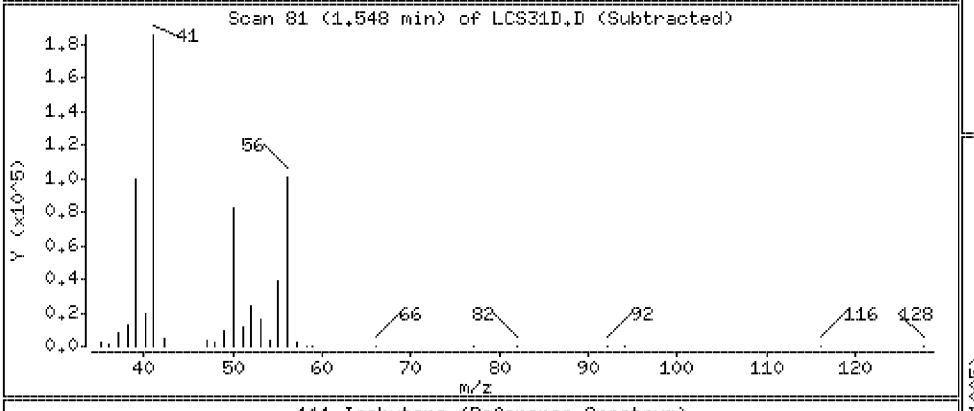
Column diameter: 0.18

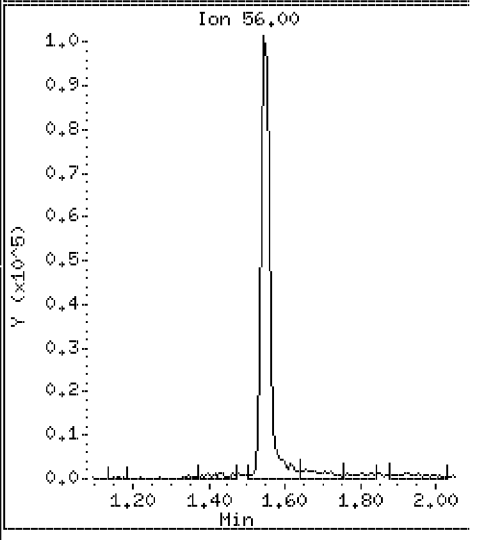
111 Isobutene

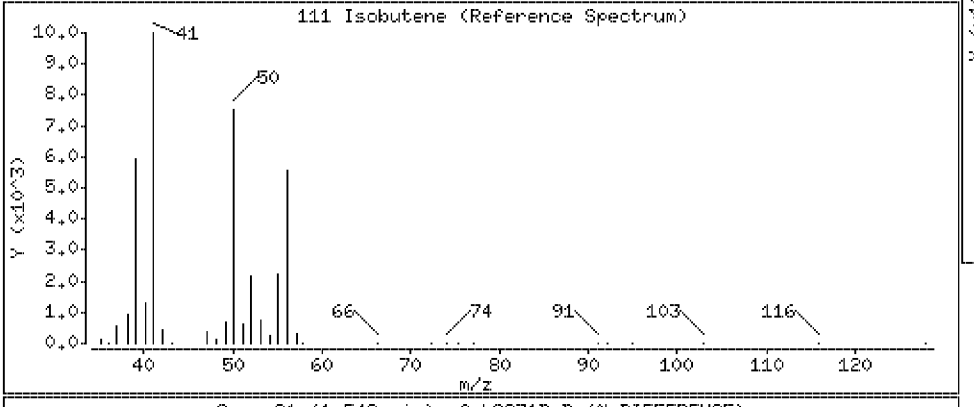
Concentration: 410 ug/l

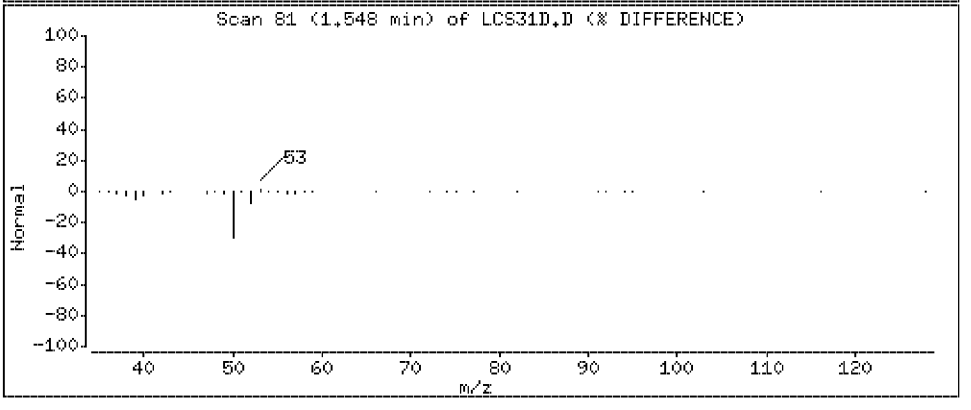












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Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

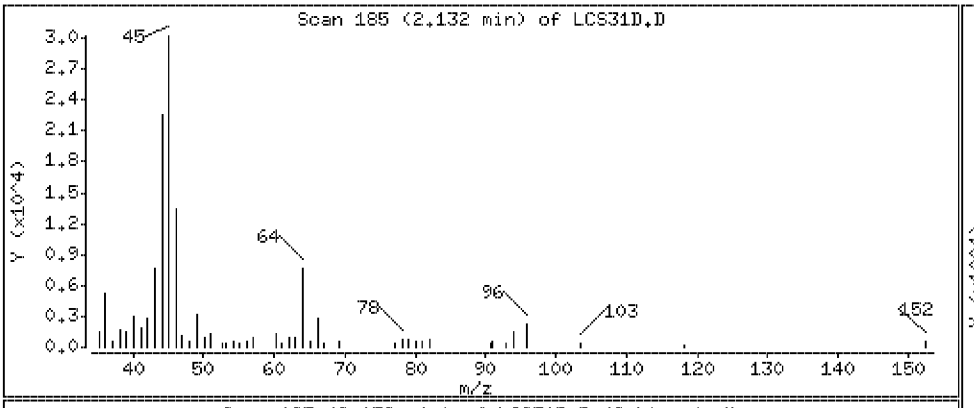
Operator:

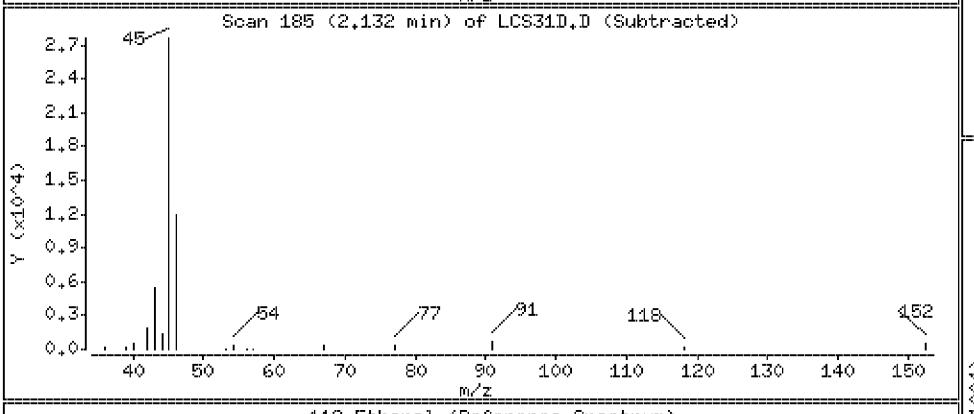
Column phase: DB-624

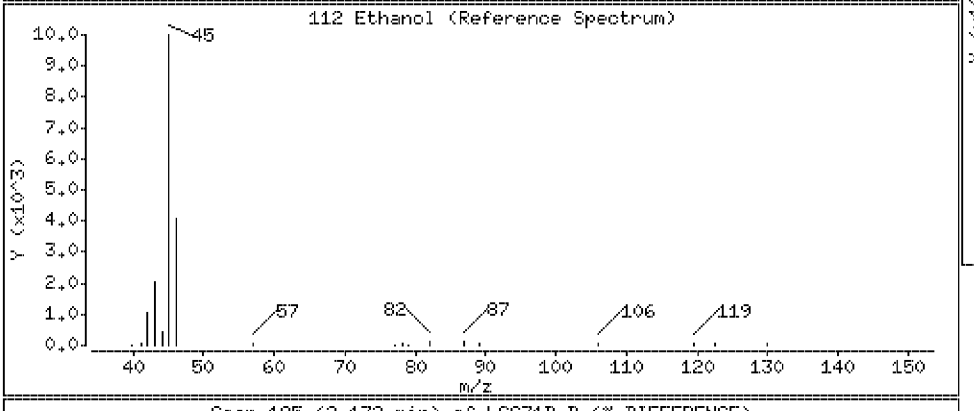
Column diameter: 0.18

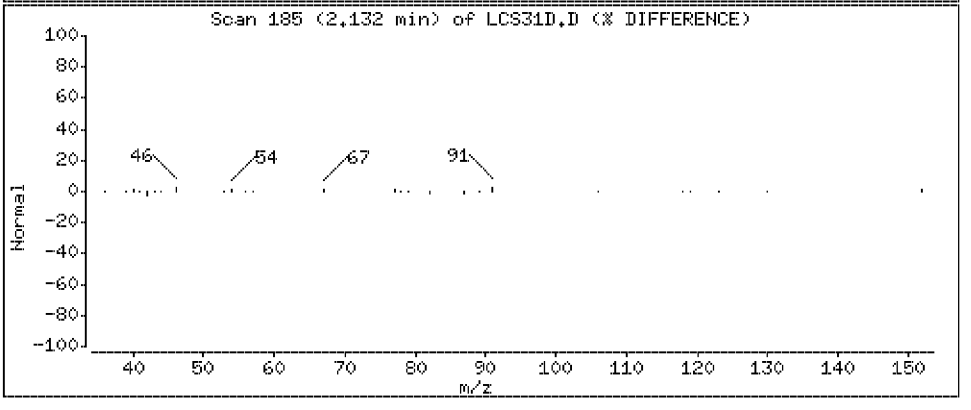
112 Ethanol

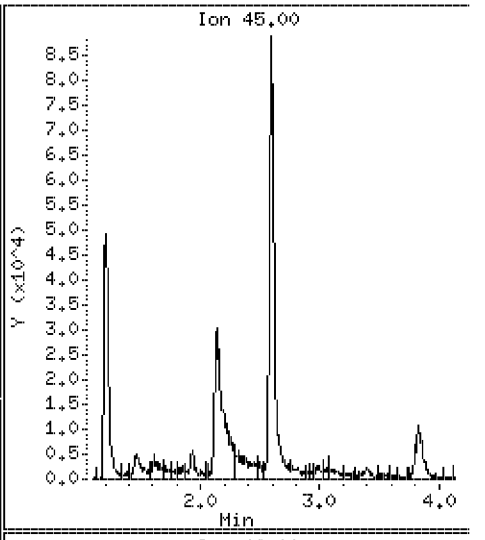
Concentration: 1930 ug/l

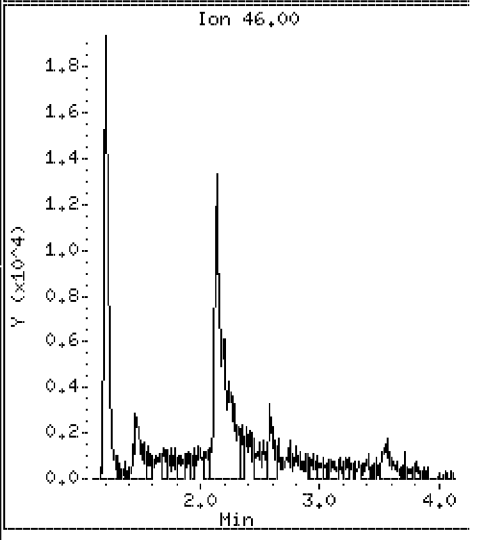












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

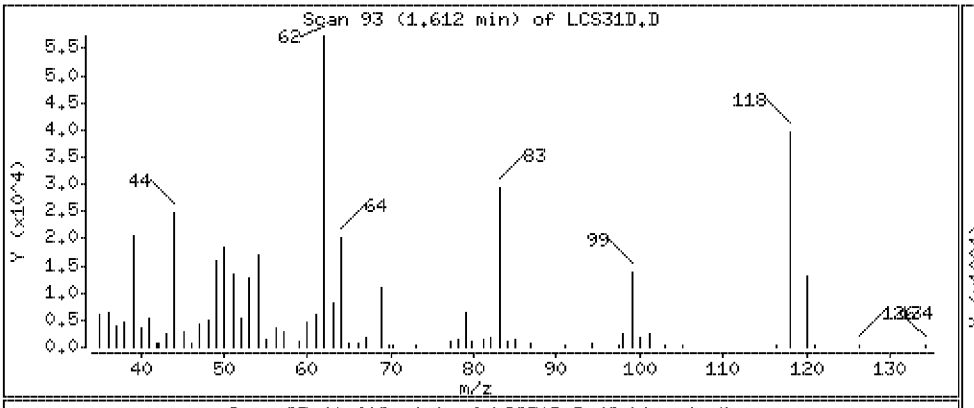
Operator:

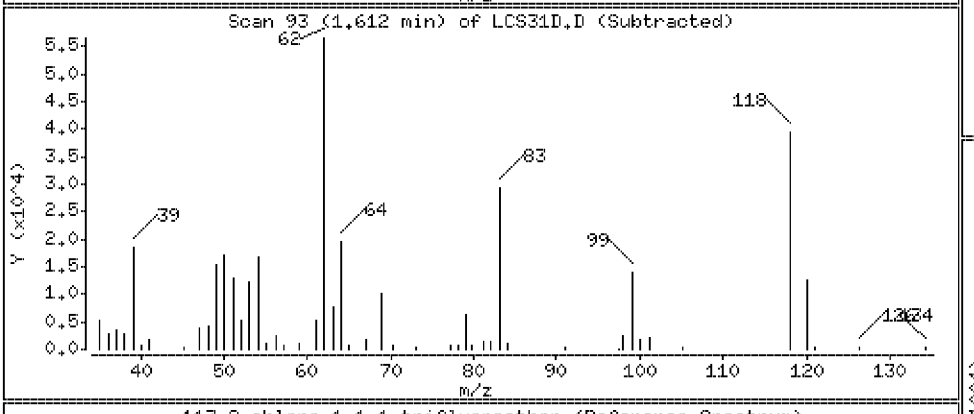
Column phase: DB-624

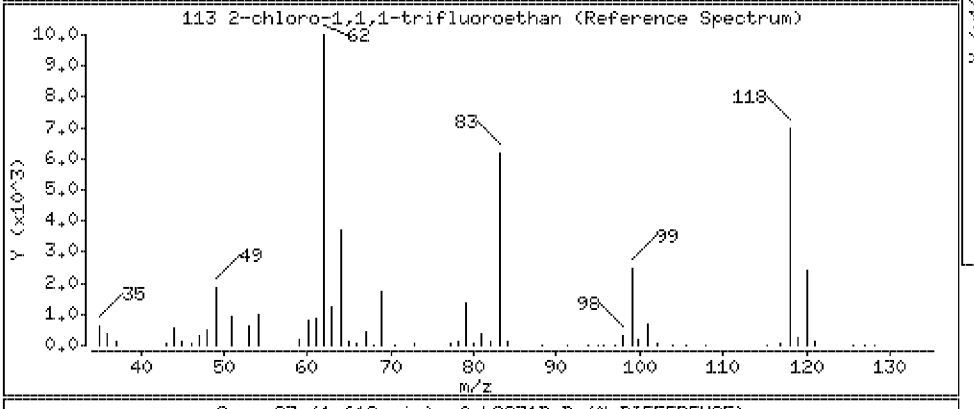
Column diameter: 0.18

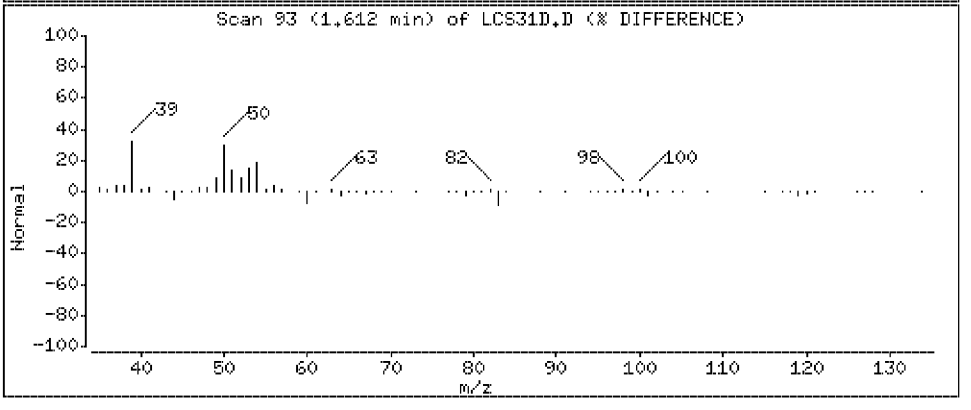
113 2-chloro-1,1,1-trifluoroethan

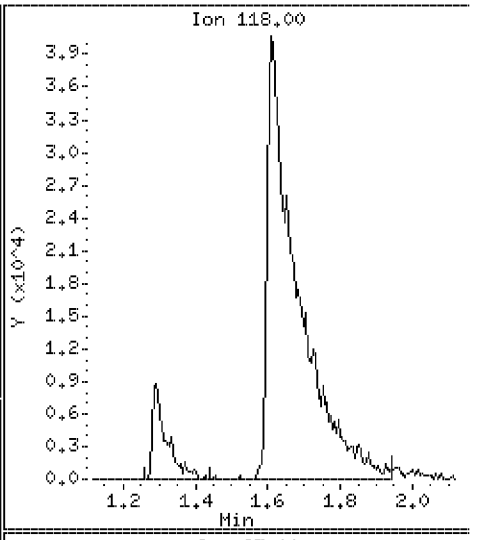
Concentration: 17.7 ug/l

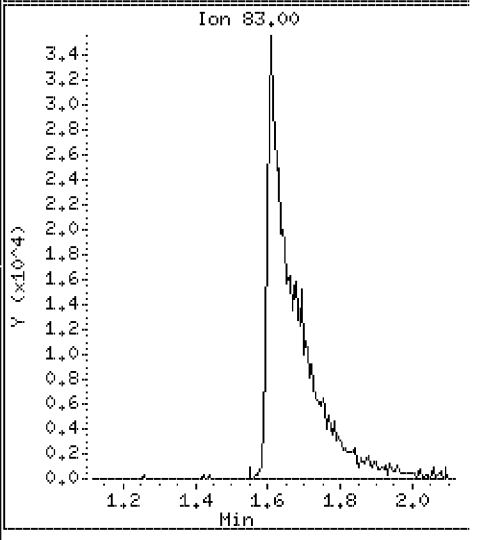












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Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

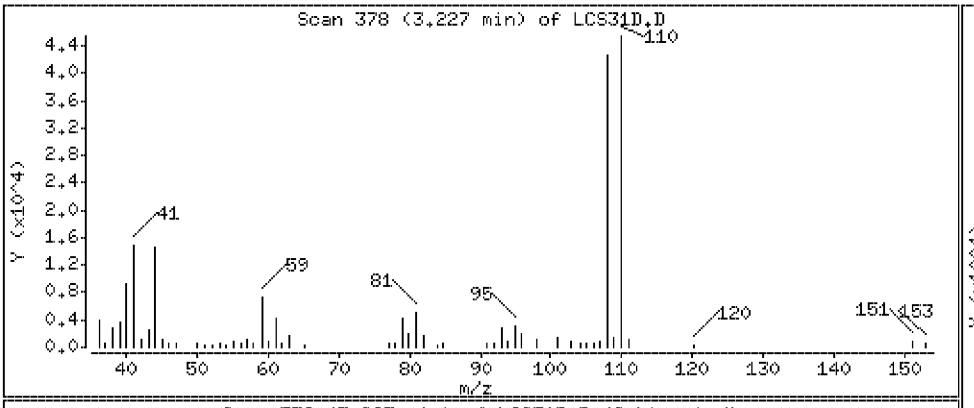
Operator:

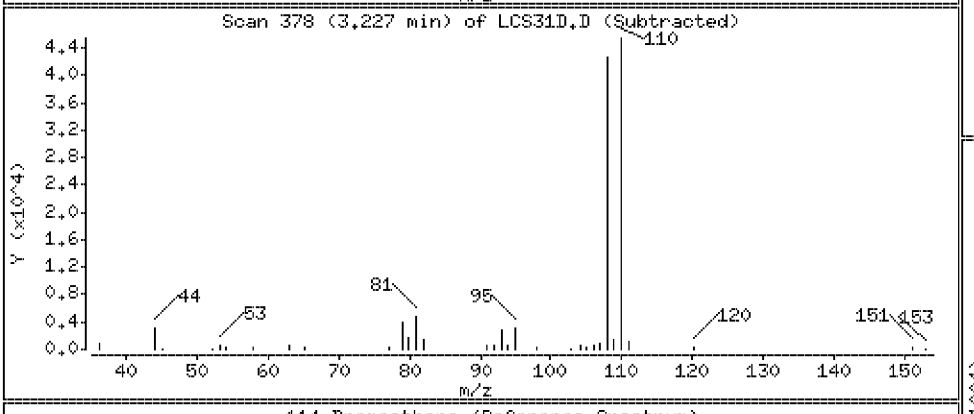
Column phase: DB-624

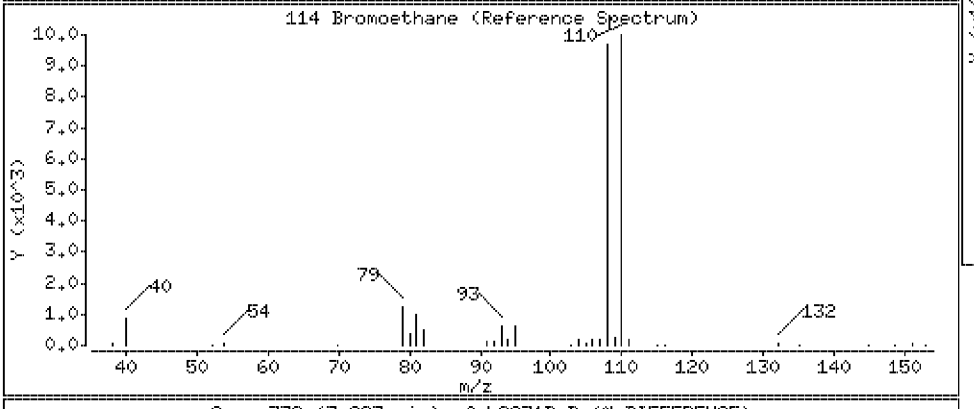
Column diameter: 0.18

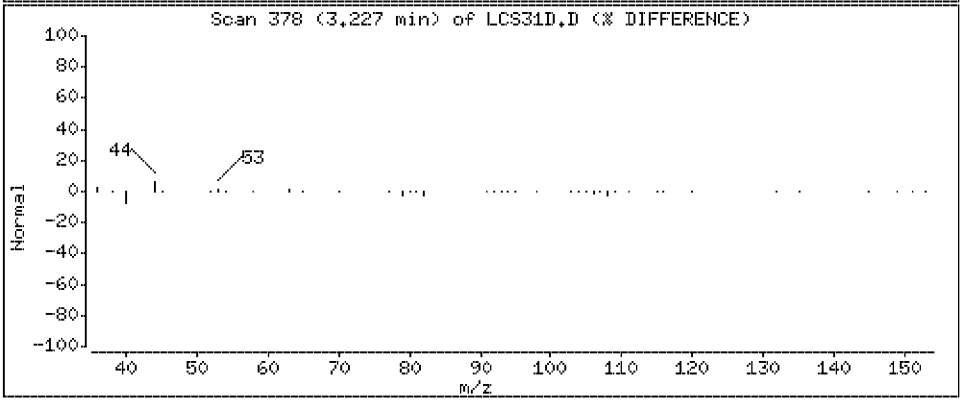
114 Bromoethane

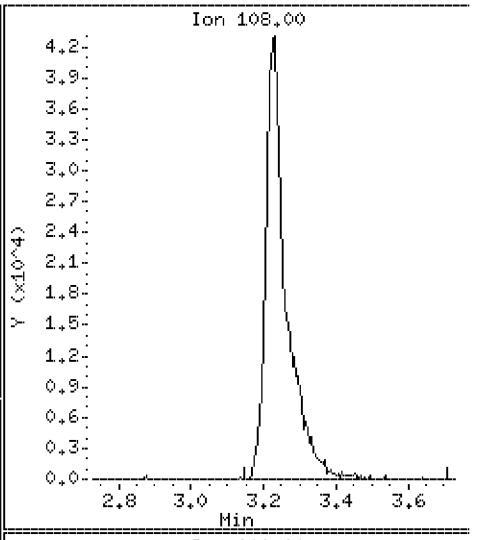
Concentration: 20.8 ug/l

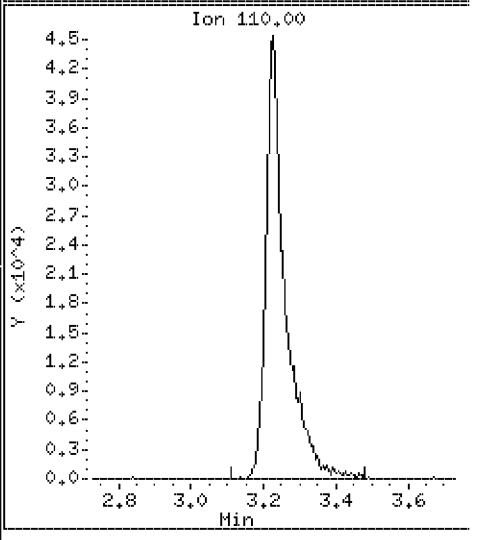












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

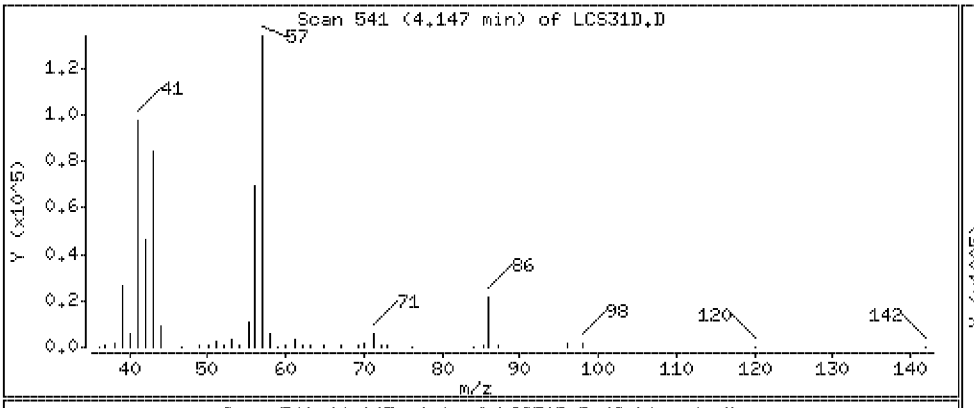
Operator:

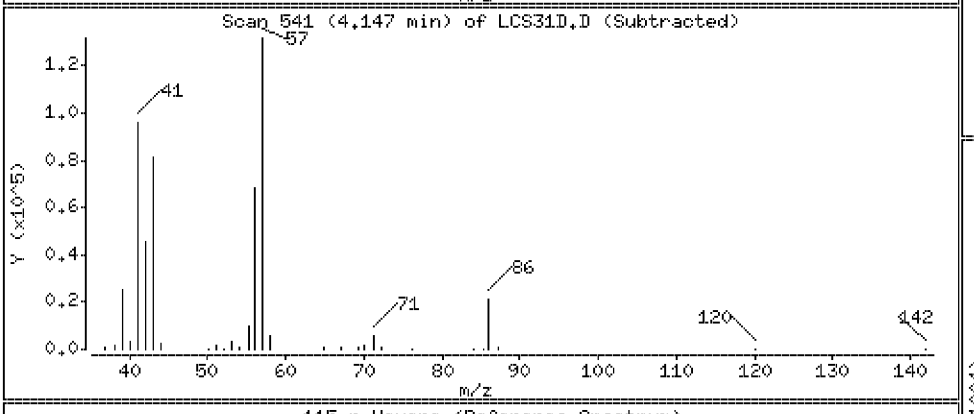
Column phase: DB-624

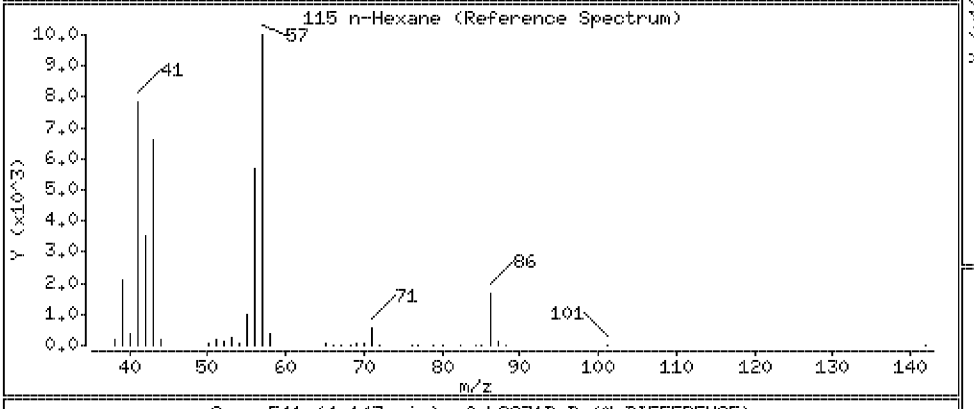
Column diameter: 0.18

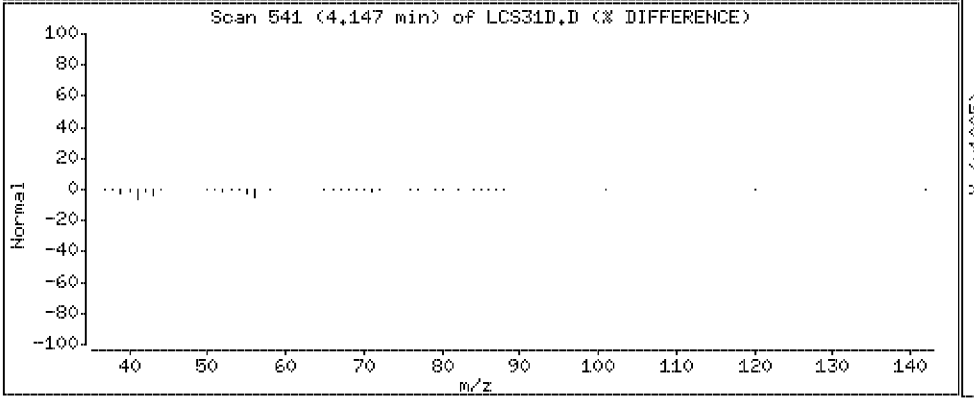
115 n-Hexane

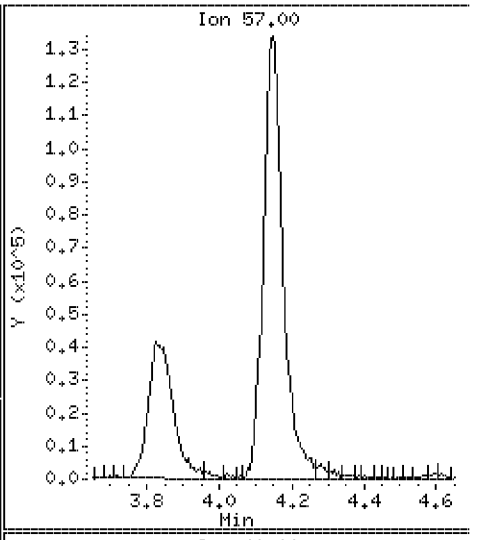
Concentration: 22.2 ug/l

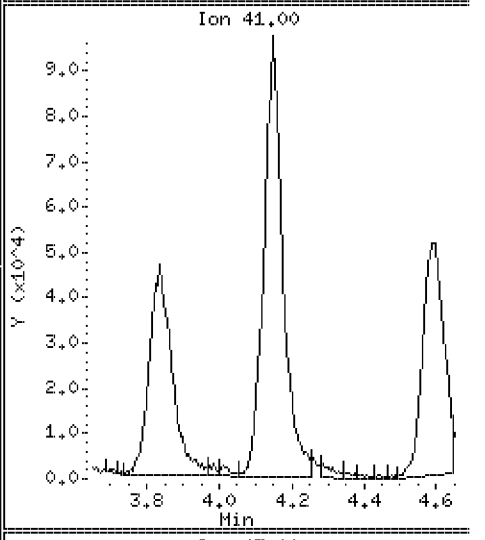


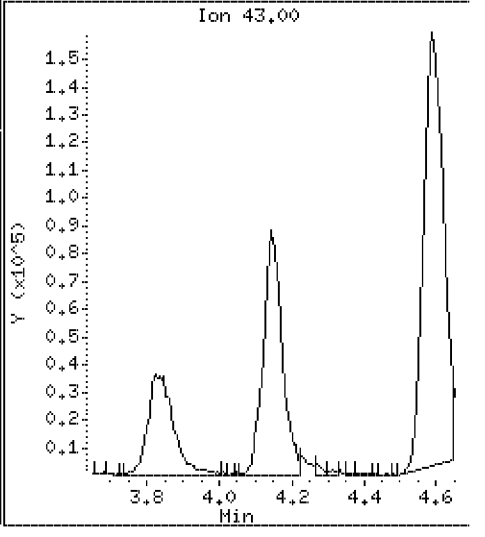












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

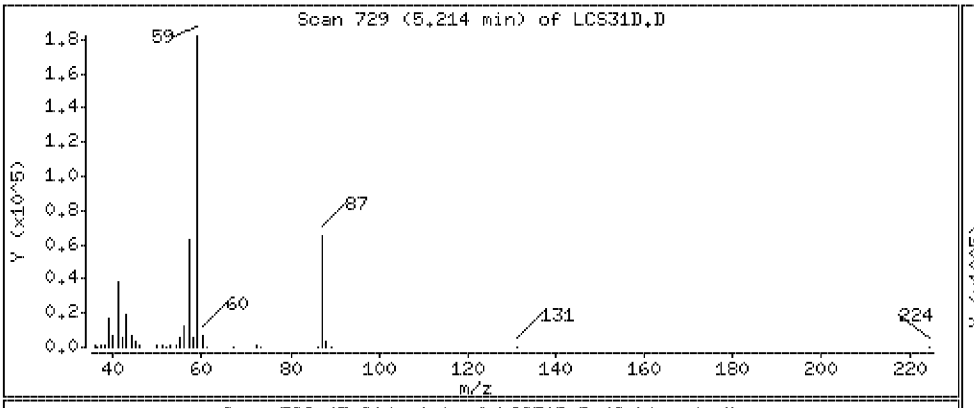
Operator:

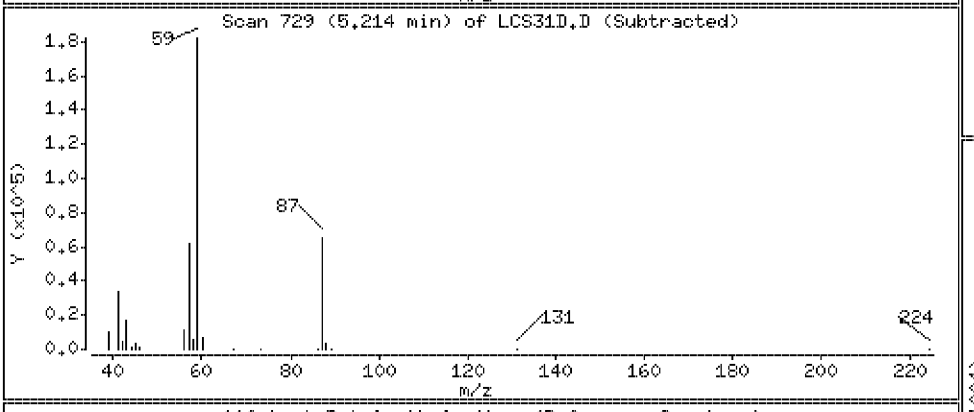
Column phase: DB-624

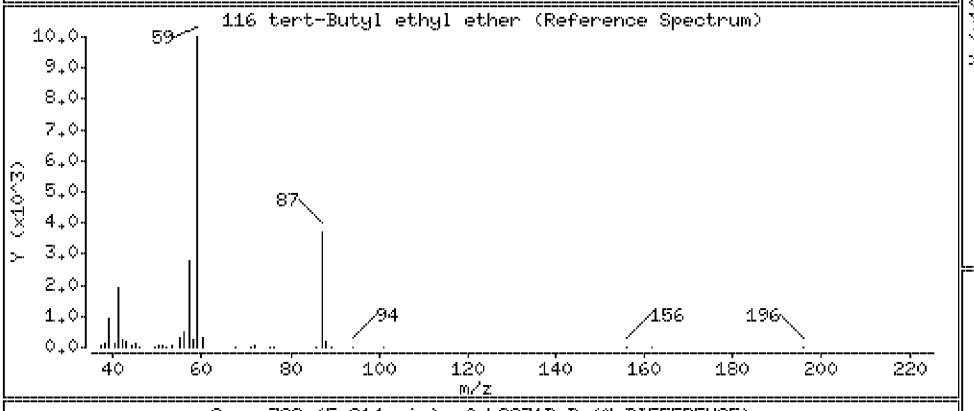
Column diameter: 0.18

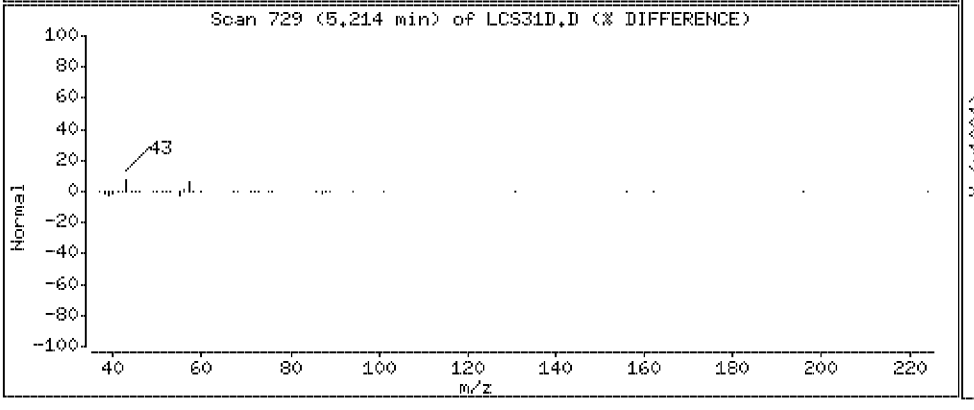
116 tert-Butyl ethyl ether

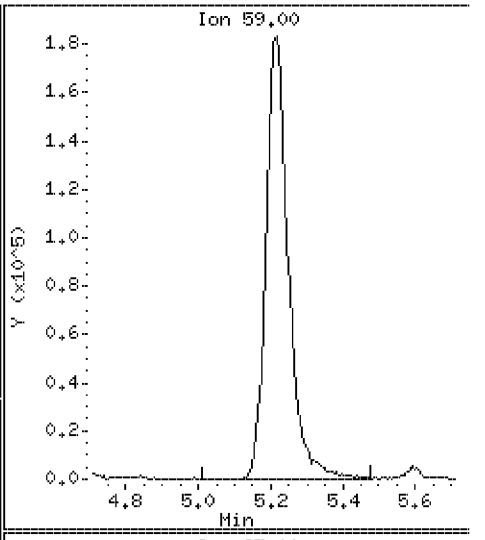
Concentration: 16.7 ug/l

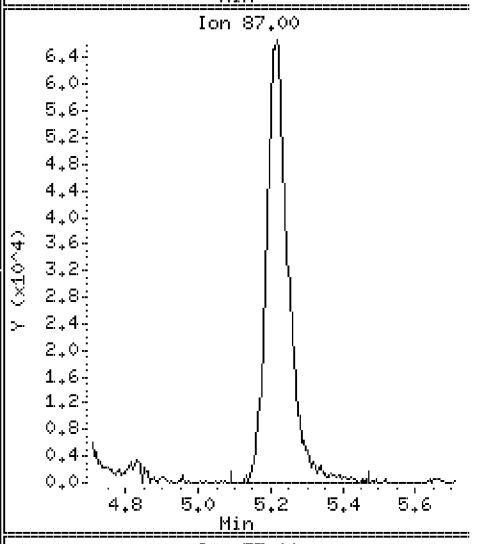


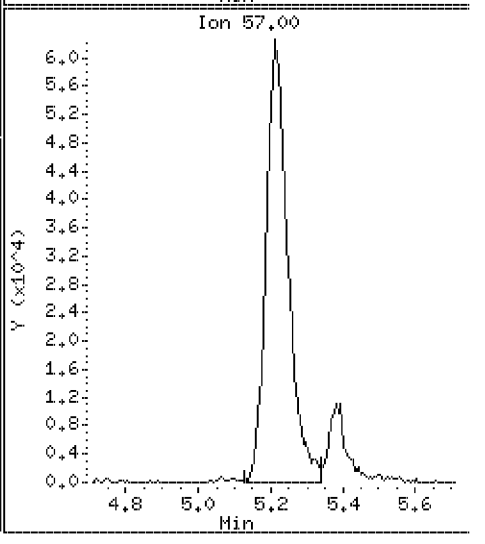












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

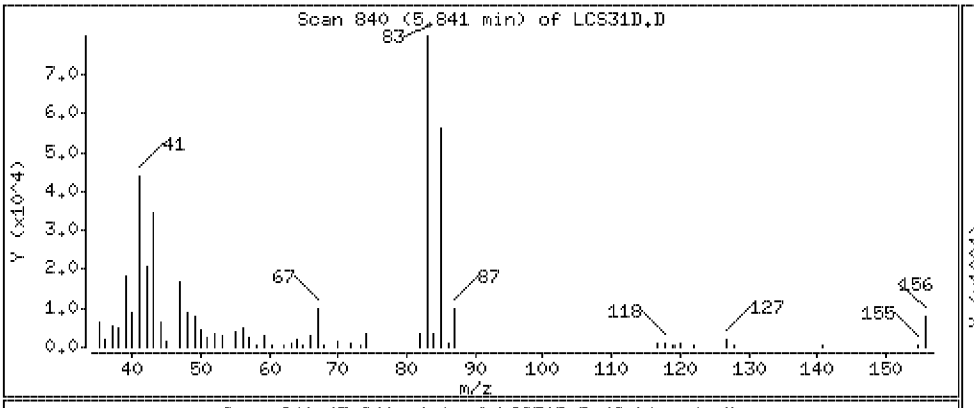
Operator:

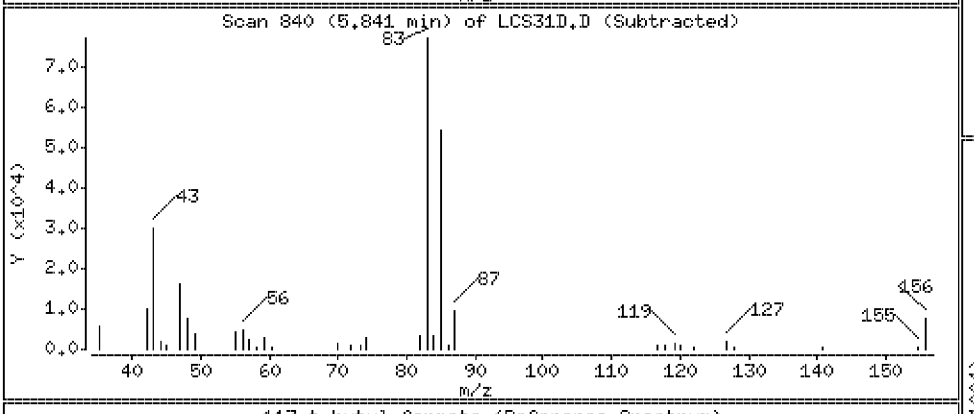
Column phase: DB-624

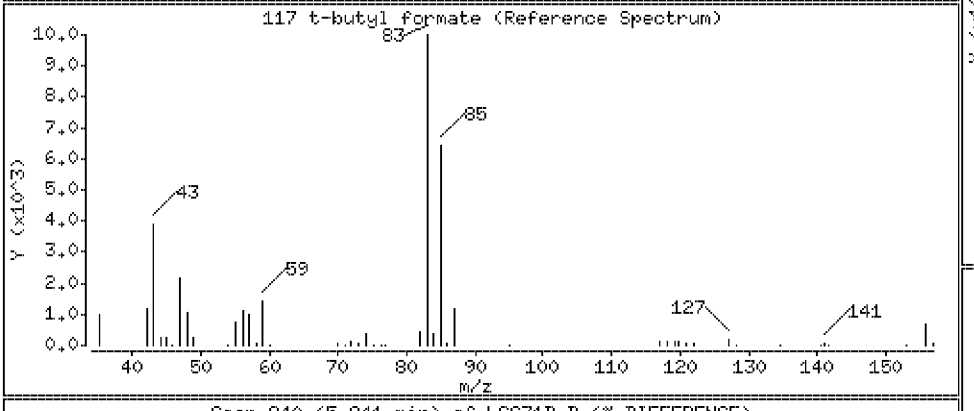
Column diameter: 0.18

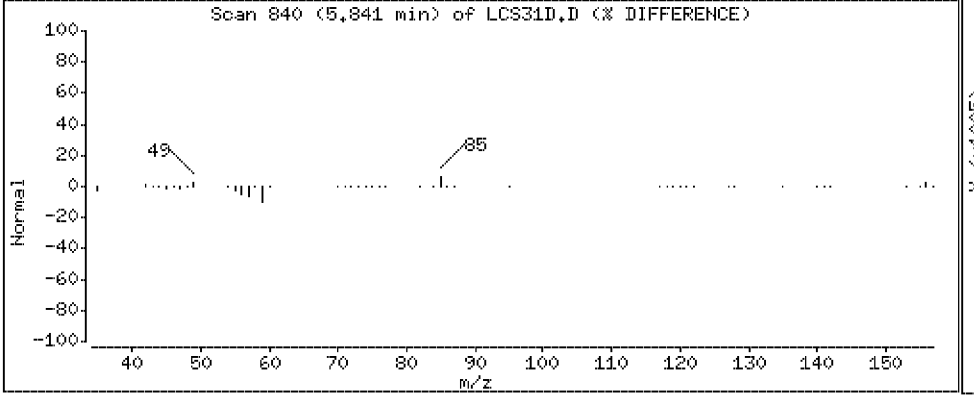
117 t-butyl formate

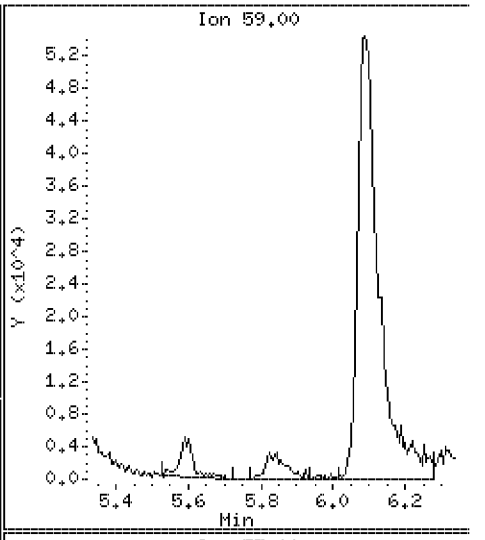
Concentration: 225 ug/l

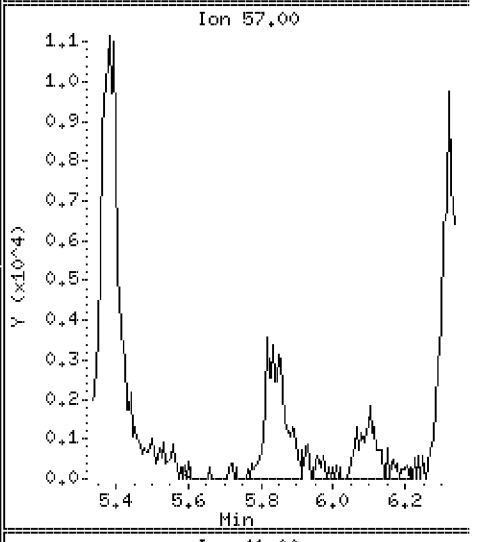


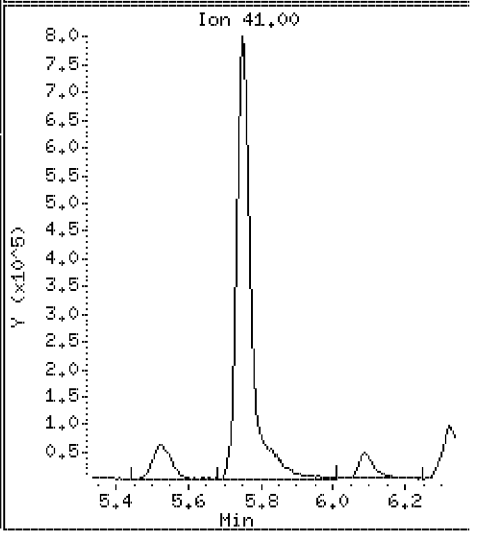












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

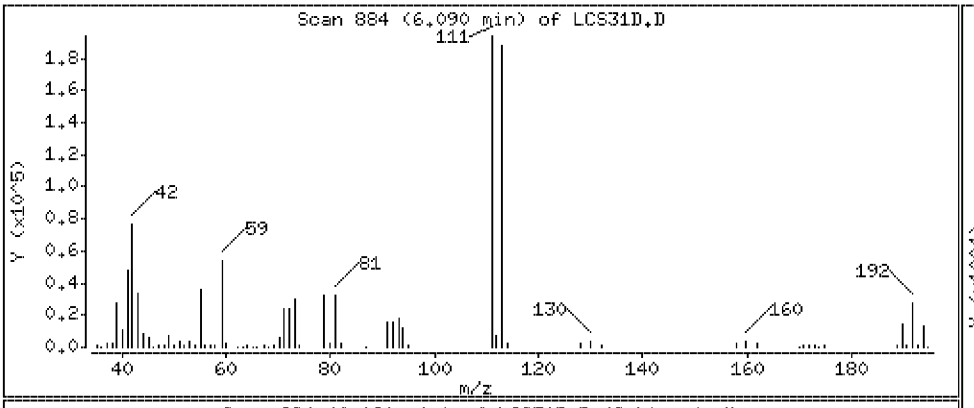
Operator:

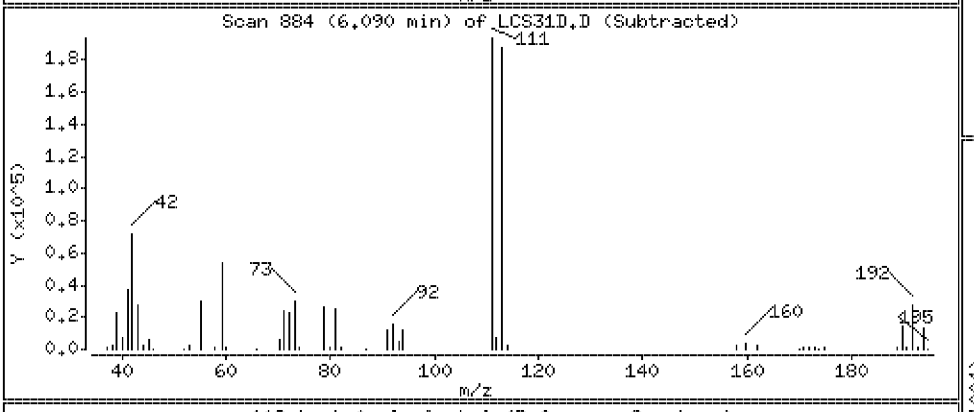
Column phase: DB-624

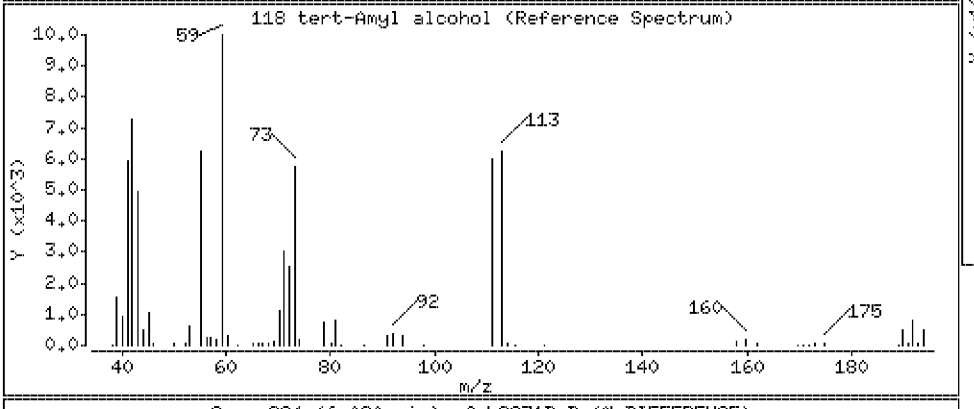
Column diameter: 0.18

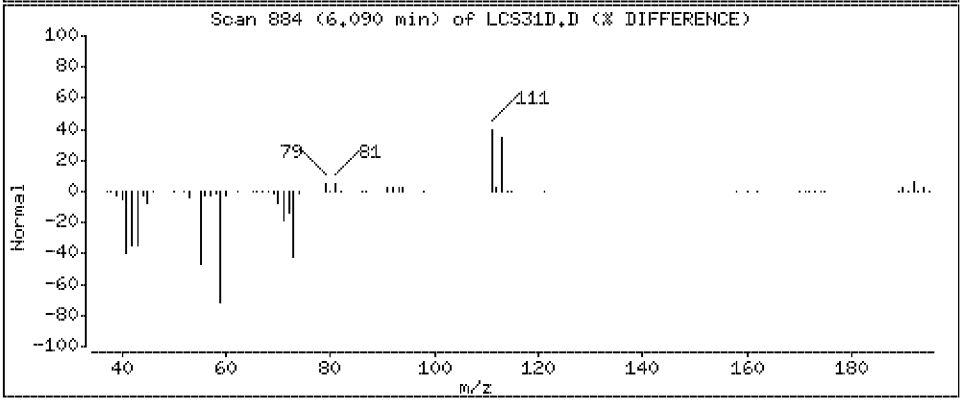
118 tert-Amyl alcohol

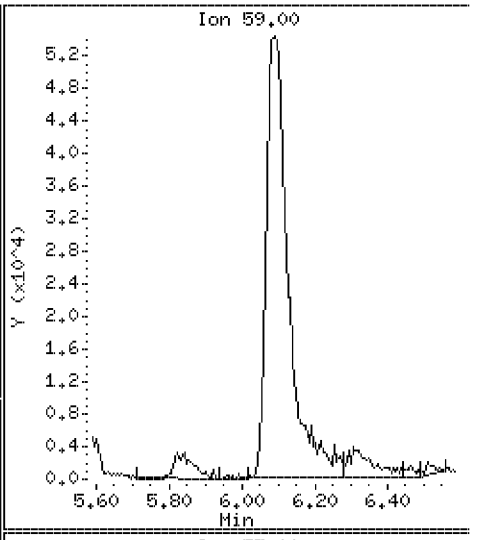
Concentration: 470 ug/l

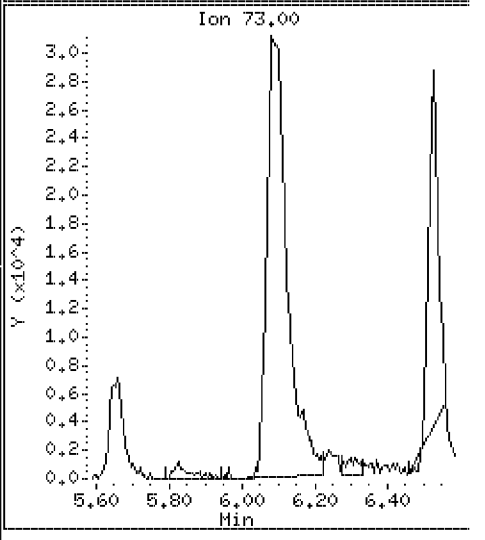












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

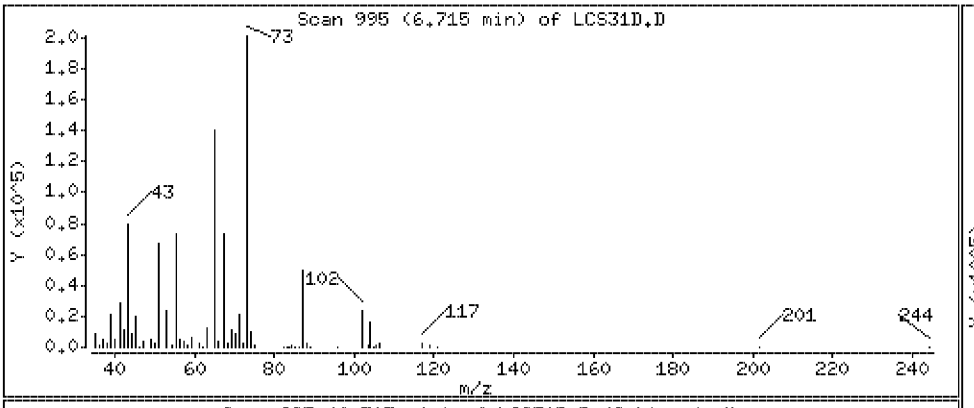
Operator:

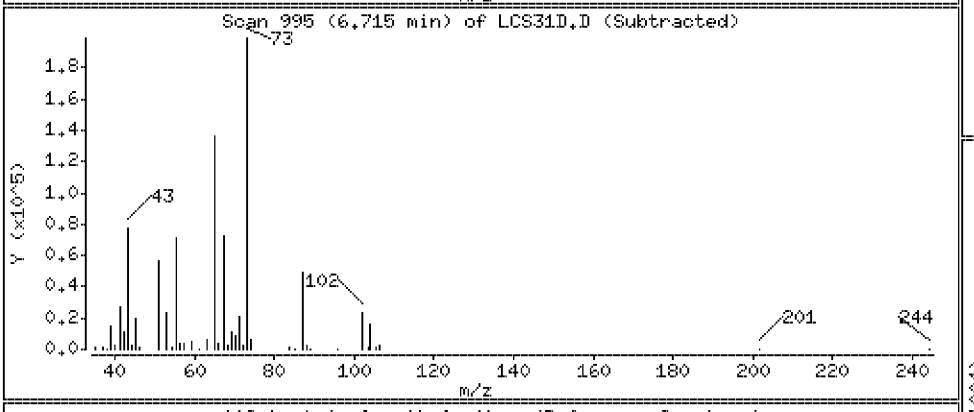
Column phase: DB-624

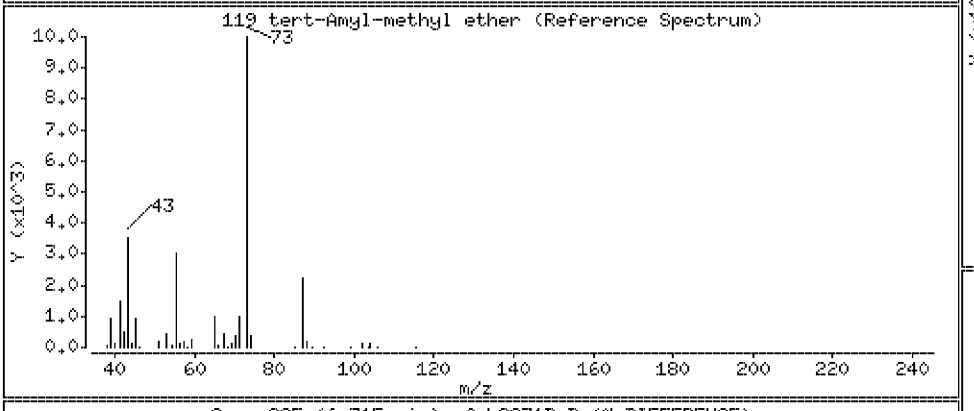
Column diameter: 0.18

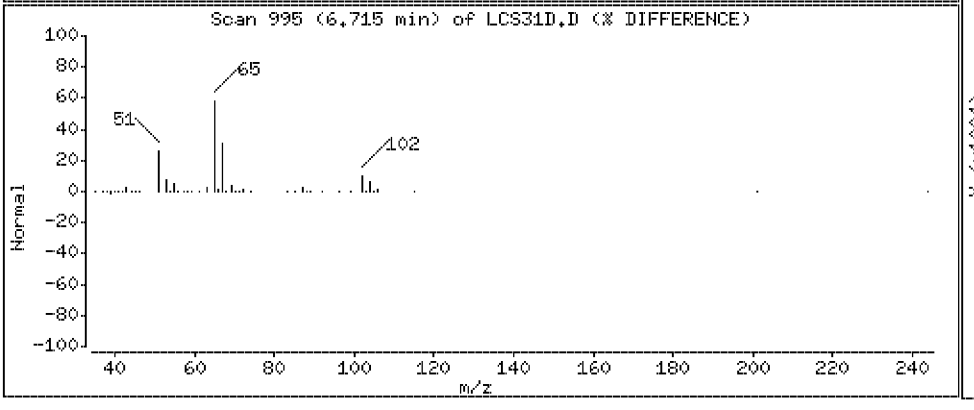
119 tert-Amyl-methyl ether

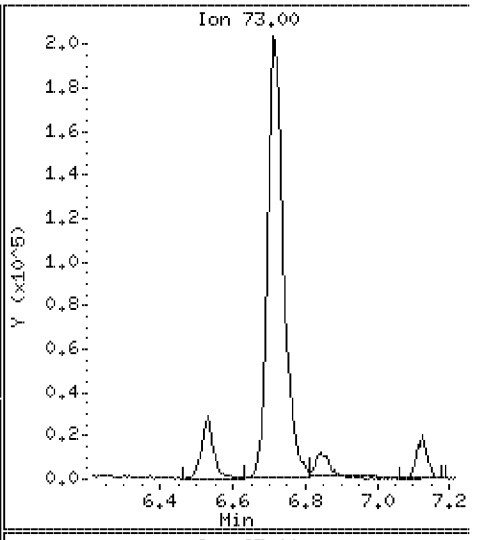
Concentration: 17.0 ug/l

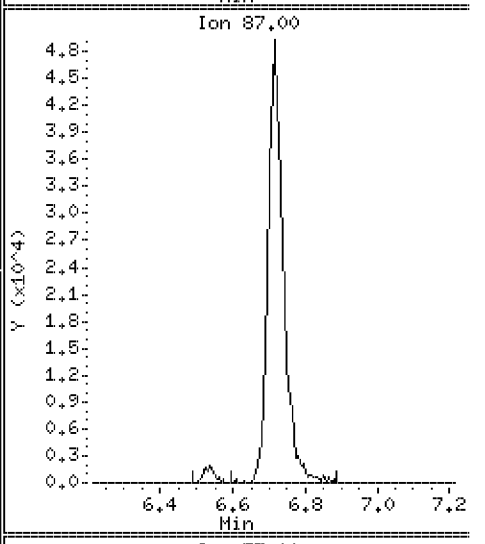


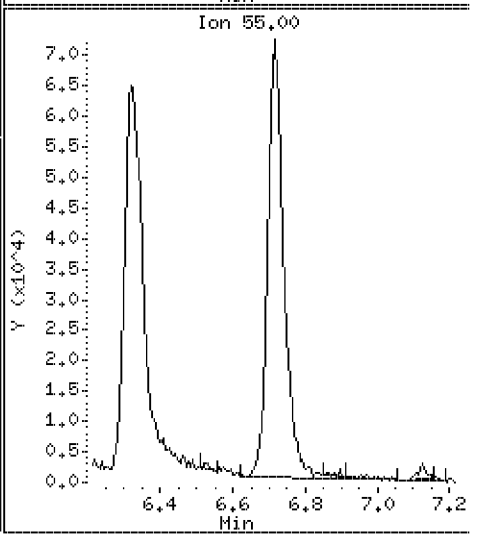












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

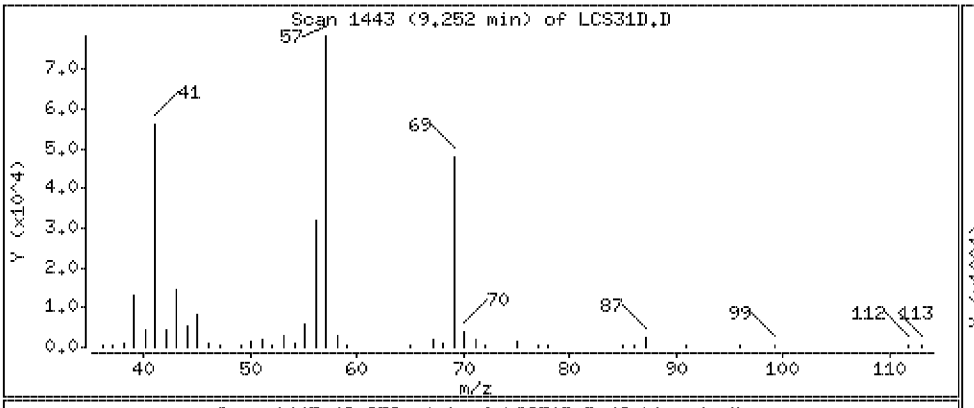
Operator:

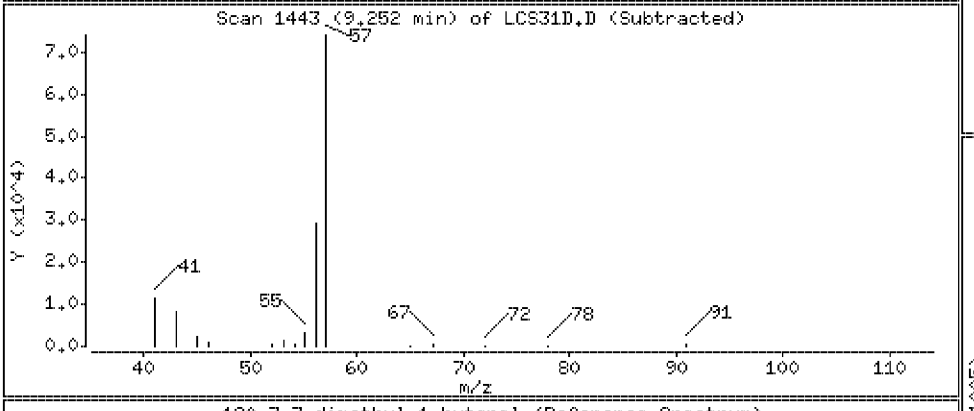
Column phase: DB-624

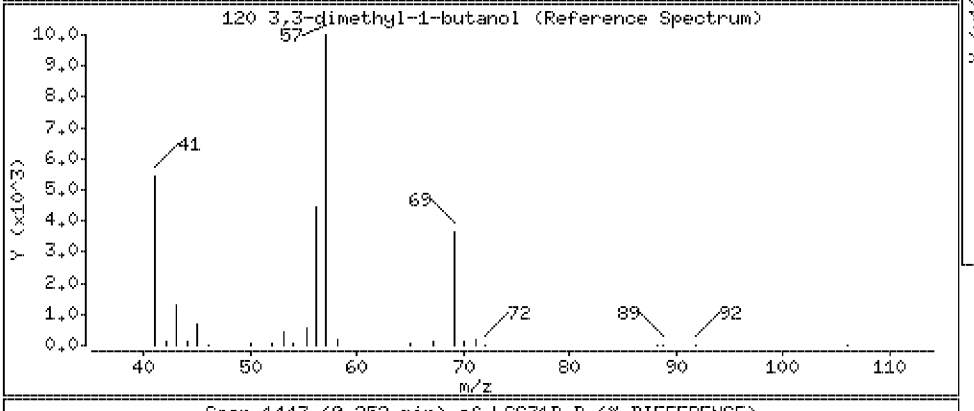
Column diameter: 0.18

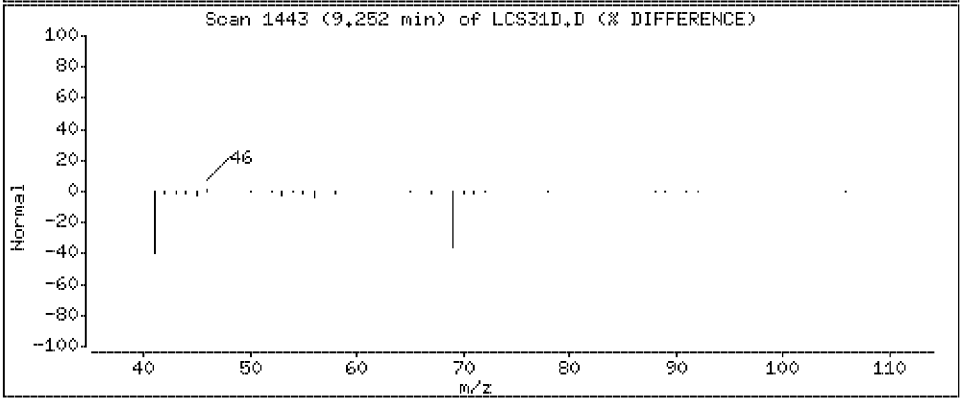
120 3,3-dimethyl-1-butanol

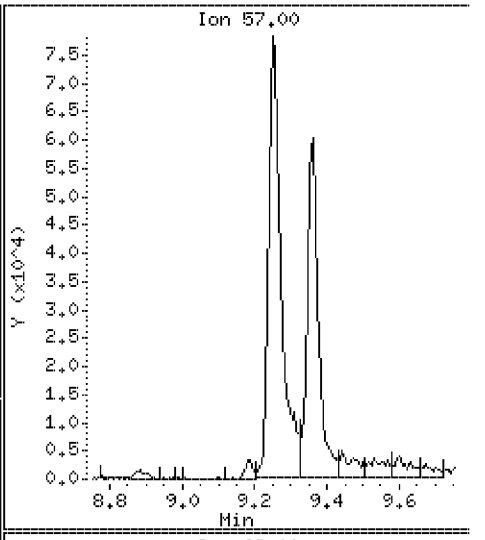
Concentration: 487 ug/l

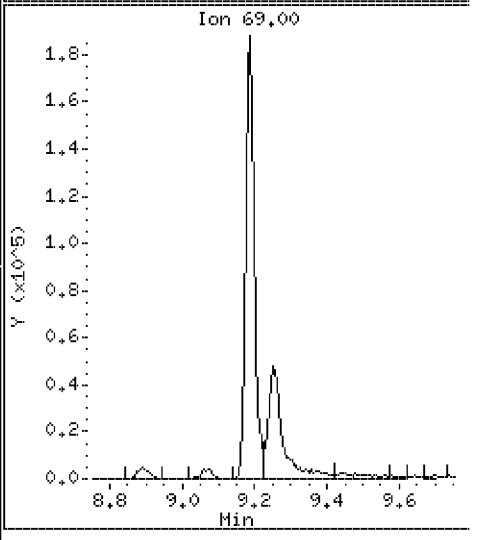












Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\LCS31D.D

Date : 17-DEC-2009 07:28

Client ID: 121709LCSA31D

Instrument: vms03.i

Sample Info: 121709LCSA31D

Purge Volume: 5.0

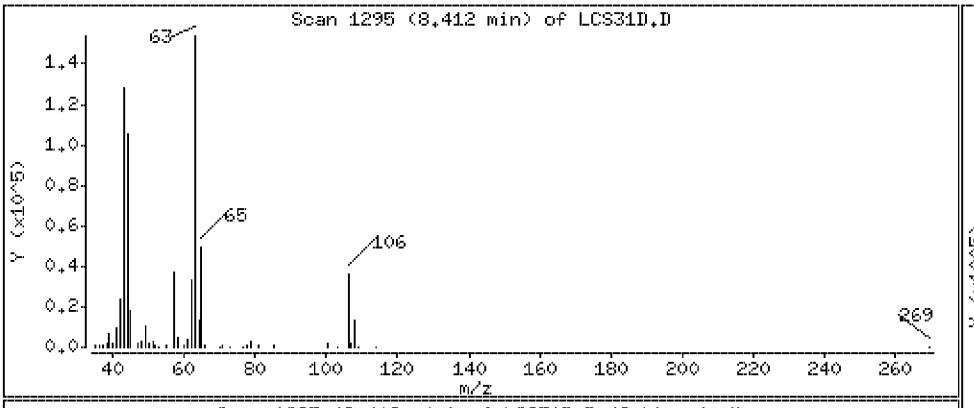
Operator:

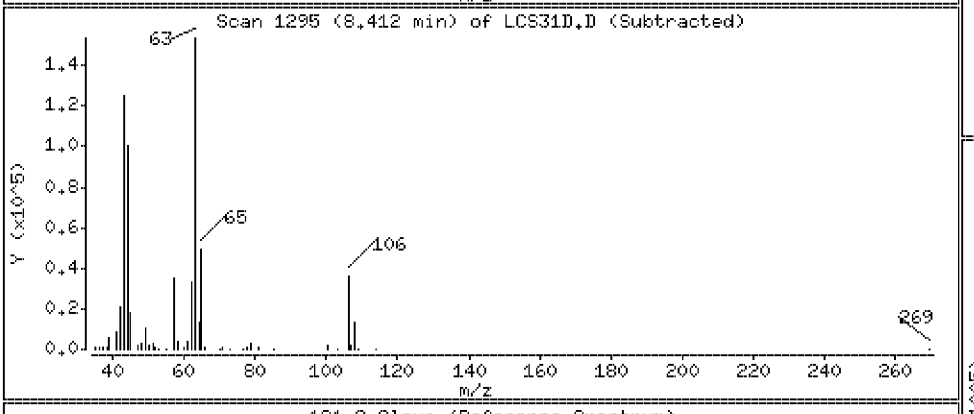
Column phase: DB-624

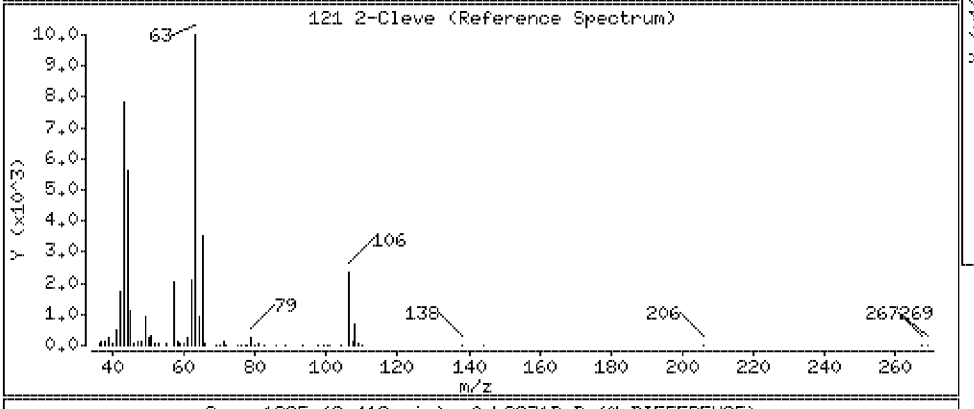
Column diameter: 0.18

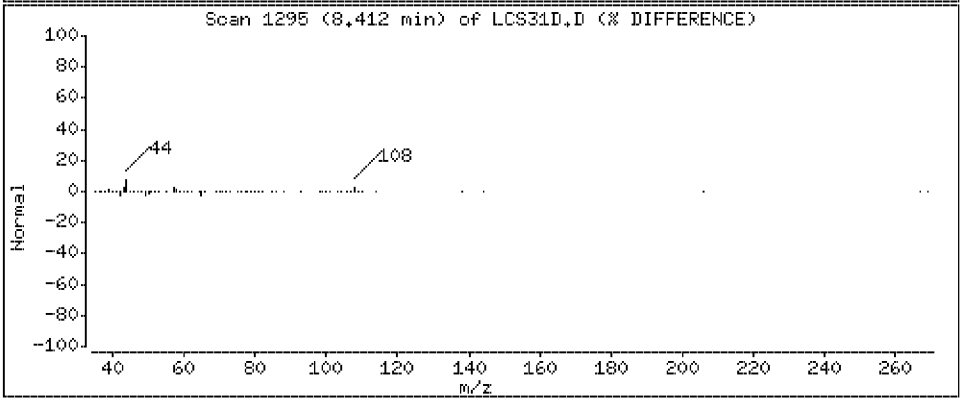
121 2-Cleve

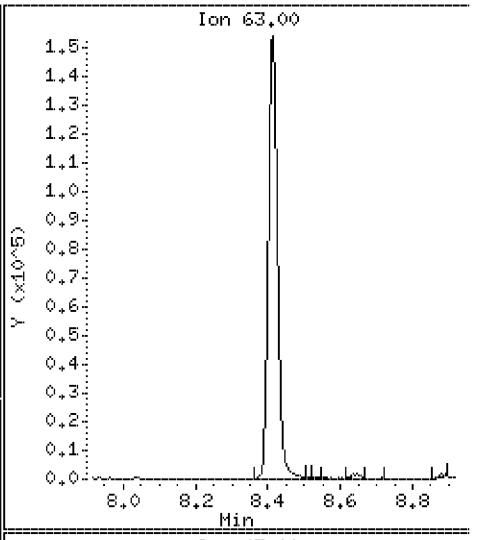
Concentration: 40.7 ug/l

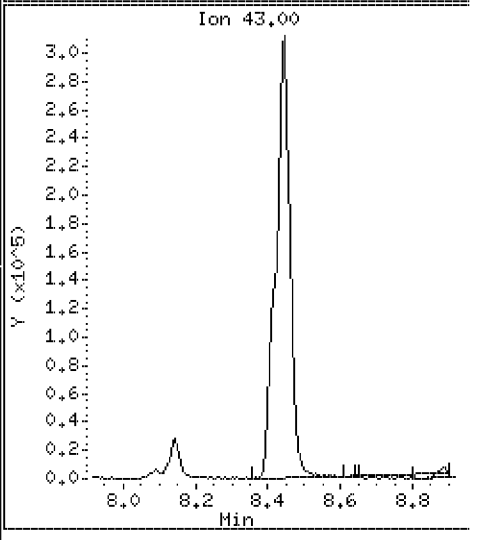












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121709.b\BLK32.D
Lab Smp Id: 121709BLKA32 Client Smp ID: 121709BLKA32
Inj Date : 17-DEC-2009 09:01
Operator : Inst ID: vms03.i
Smp Info : 121709BLKA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121709.b\8260A.m
Meth Date : 29-Dec-2009 10:28 lpelo Quant Type: ISTD
Cal Date : 15-DEC-2009 09:47 Cal File: 80PPB.D
Als bottle: 11 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	6.102	6.104	(0.857)	742103	52.4234	52.4
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.738	6.739	(0.946)	187449	53.7280	53.7
* 42 FLUOROBENZENE (IS)	96	7.122	7.124	(1.000)	3398552	50.0000	
$ 53 TOLUENE d8 (surr)	98	8.885	8.886	(1.248)	2829356	52.4179	52.4
* 63 CHLOROBENZENE d5 (IS)	117	10.441	10.443	(1.000)	2447172	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.670	11.671	(0.908)	1076294	51.6903	51.7
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.856	12.858	(1.000)	1190163	50.0000	

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: BLK32.D
Lab Smp Id: 121709BLKA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121709.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: 121709BLKA32
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3398552	4.95
63 CHLOROBENZENE d5	2294514	1147257	4589028	2447172	6.65
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1190163	4.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.00
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	-0.00
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	-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\M3121709.b\BLK32.D

Date : 17-DEC-2009 09:01

Client ID: 121709BLKA32

Instrument: vms03.i

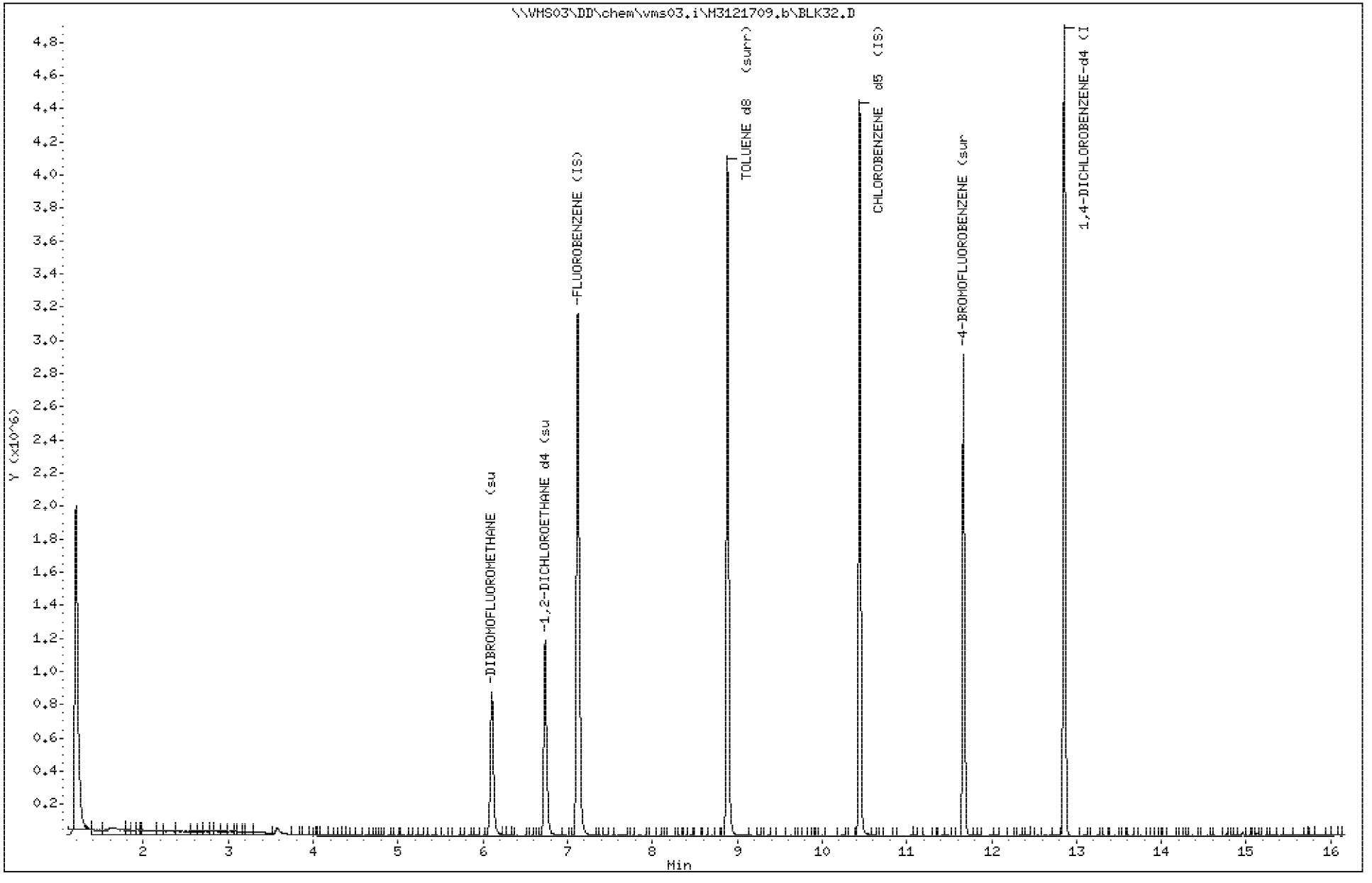
Sample Info: 121709BLKA32

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121709.b\46301.D
Lab Smp Id: 251446301 Client Smp ID: ST-106-TB-12112009
Inj Date : 17-DEC-2009 10:11
Operator : Inst ID: vms03.i
Smp Info : 251446301;2514463;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121709.b\8260A.m
Meth Date : 29-Dec-2009 10:28 lpelo Quant Type: ISTD
Cal Date : 15-DEC-2009 09:47 Cal File: 80PPB.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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	6.103	6.104	(0.857)	737977	50.9868	51.0
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.738	6.739	(0.946)	187418	52.5391	52.5
* 42 FLUOROBENZENE (IS)	96	7.122	7.124	(1.000)	3474882	50.0000	
$ 53 TOLUENE d8 (surr)	98	8.886	8.886	(1.248)	2840967	51.4768	51.5
* 63 CHLOROBENZENE d5 (IS)	117	10.441	10.443	(1.000)	2451664	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.669	11.671	(0.908)	1067436	51.0106	51.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.856	12.858	(1.000)	1196097	50.0000	(q)

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: 46301.D
Lab Smp Id: 251446301
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121709.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: ST-106-TB-12112
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3474882	7.31
63 CHLOROBENZENE d5	2294514	1147257	4589028	2451664	6.85
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1196097	5.22

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.01
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	-0.00
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	-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\M3121709.b\46301.D

Date : 17-DEC-2009 10:11

Client ID: ST-106-TB-12112009

Instrument: vms03.i

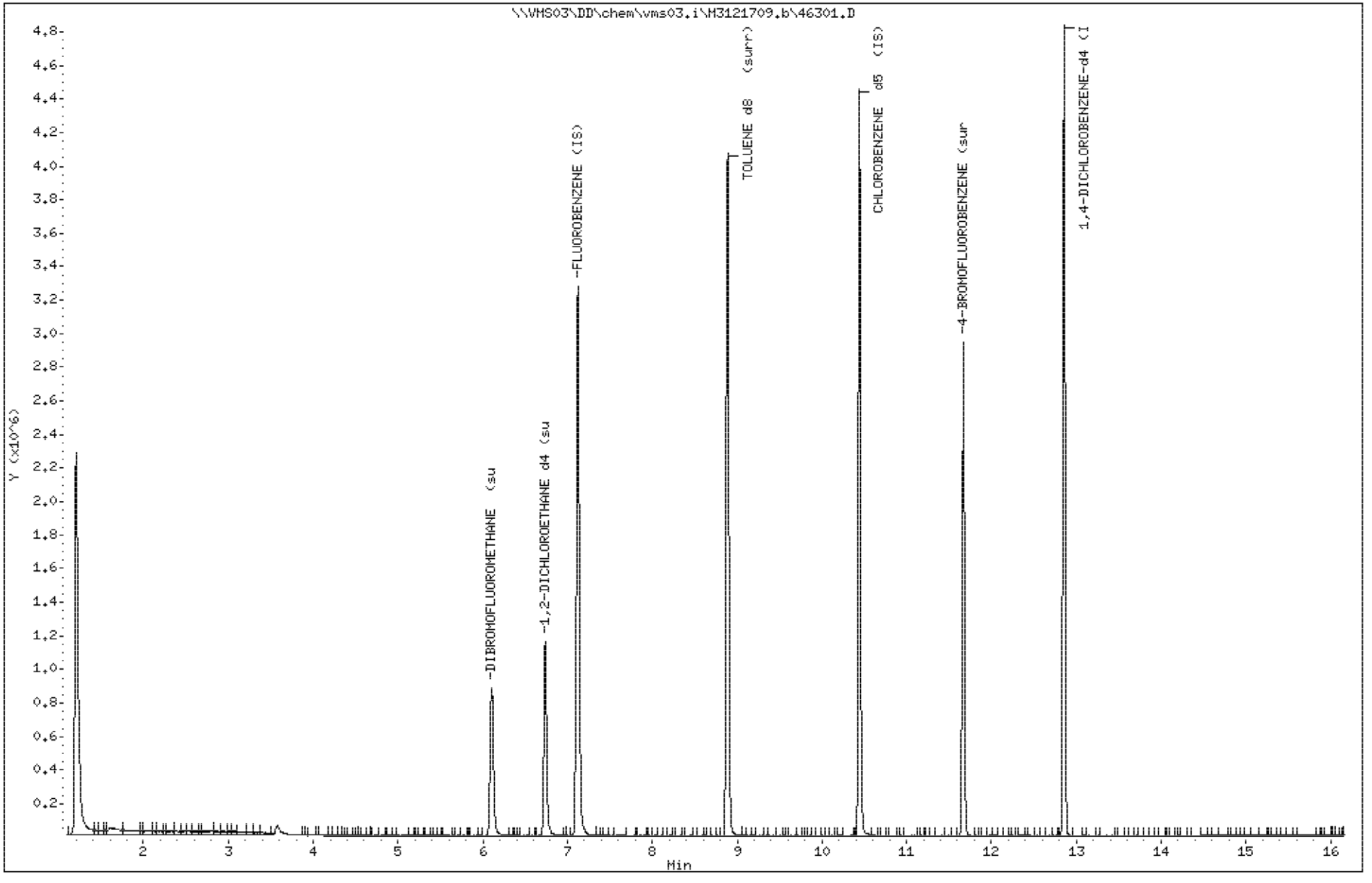
Sample Info: 251446301;2514463;1;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3121709.b\46302.D
Lab Smp Id: 251446302 Client Smp ID: ST106-GW-10625-1211
Inj Date : 17-DEC-2009 10:34
Operator : Inst ID: vms03.i
Smp Info : 251446302;2514463;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3121709.b\8260A.m
Meth Date : 29-Dec-2009 10:28 lpelo Quant Type: ISTD
Cal Date : 15-DEC-2009 09:47 Cal File: 80PPB.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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	6.103	6.104	(0.857)	755752	53.1984	53.2
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.738	6.739	(0.946)	190697	54.4652	54.5
* 42 FLUOROBENZENE (IS)	96	7.122	7.124	(1.000)	3410641	50.0000	
$ 53 TOLUENE d8 (surr)	98	8.885	8.886	(1.248)	2889738	53.3468	53.3
54 Toluene	92	8.967	8.969	(1.259)	194052	4.35539	4.4
* 63 CHLOROBENZENE d5 (IS)	117	10.441	10.443	(1.000)	2447689	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.669	11.671	(0.908)	1092897	52.5276	52.5
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.856	12.858	(1.000)	1189260	50.0000	

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 46302.D
Lab Smp Id: 251446302
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3121709.b\8260A.m
Misc Info:

Calibration Date: 15-DEC-2009
Calibration Time: 11:08
Client Smp ID: ST106-GW-10625-
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	3238256	1619128	6476512	3410641	5.32
63 CHLOROBENZENE d5	2294514	1147257	4589028	2447689	6.68
86 1,4-DICHLOROBENZE	1136750	568375	2273500	1189260	4.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.12	6.62	7.62	7.12	0.01
63 CHLOROBENZENE d5	10.44	9.94	10.94	10.44	-0.01
86 1,4-DICHLOROBENZE	12.86	12.36	13.36	12.86	-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\M3121709.b\46302.D

Date : 17-DEC-2009 10:34

Client ID: ST106-GW-10625-1211

Instrument: vms03.i

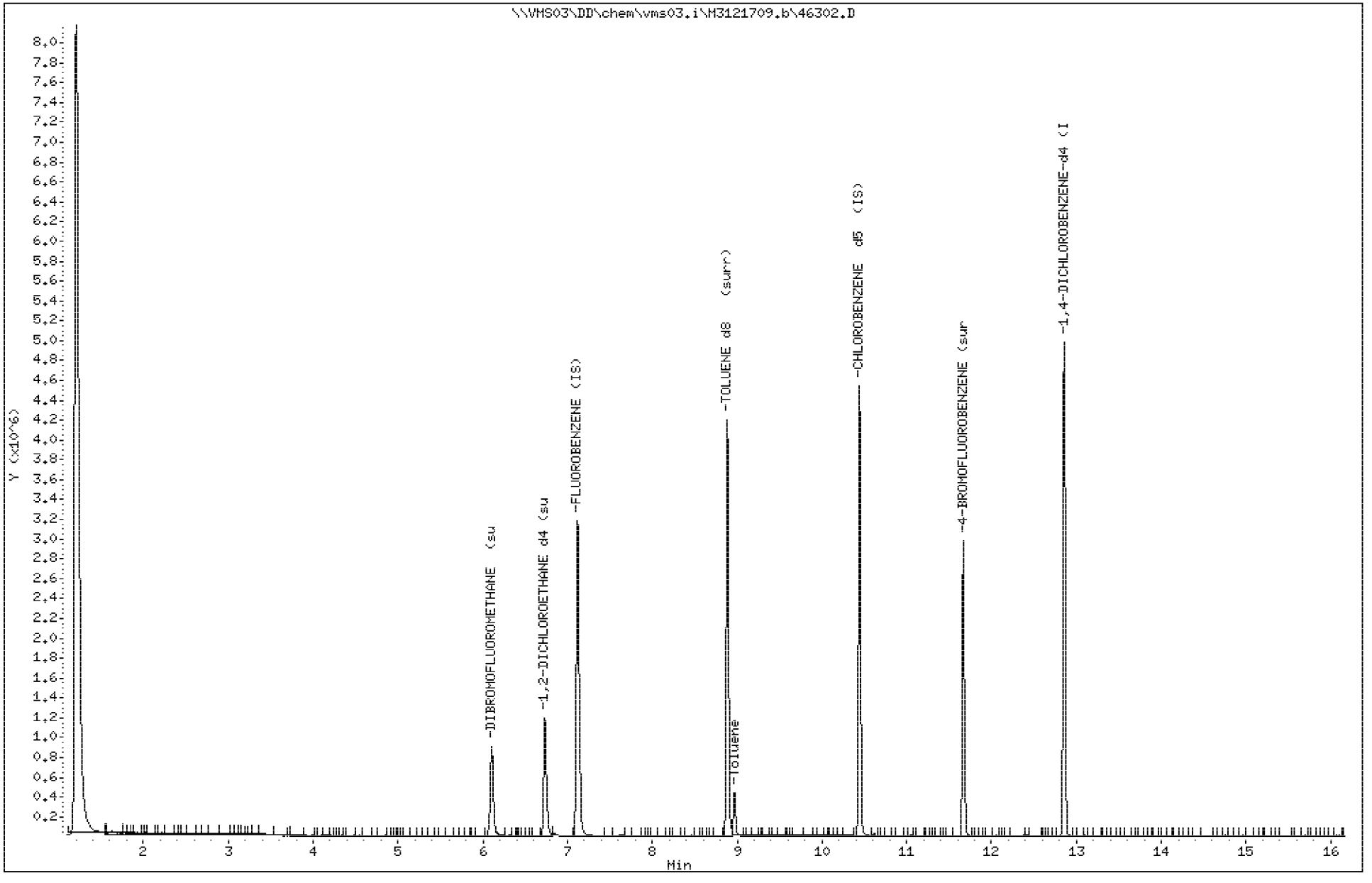
Sample Info: 251446302;2514463;1;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



2514463

Data File: \\VMS03\DD\chem\vms03.i\M3121709.b\46302.D

Date : 17-DEC-2009 10:34

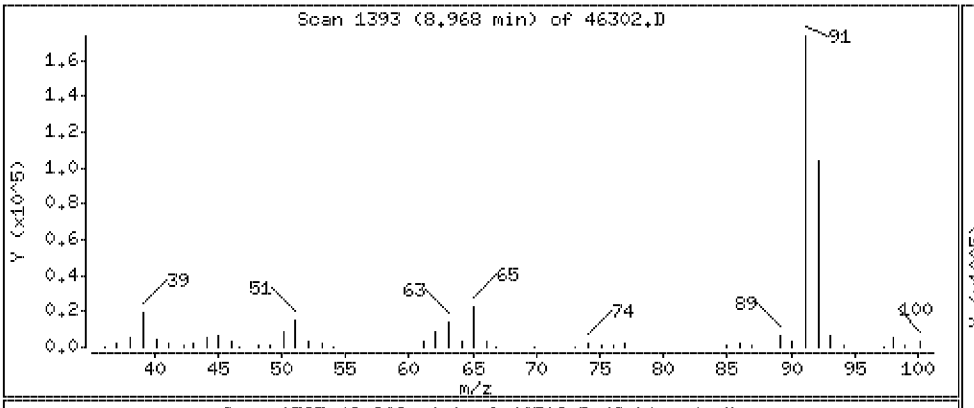
Client ID: ST106-GW-10625-1211 Instrument: vms03.i

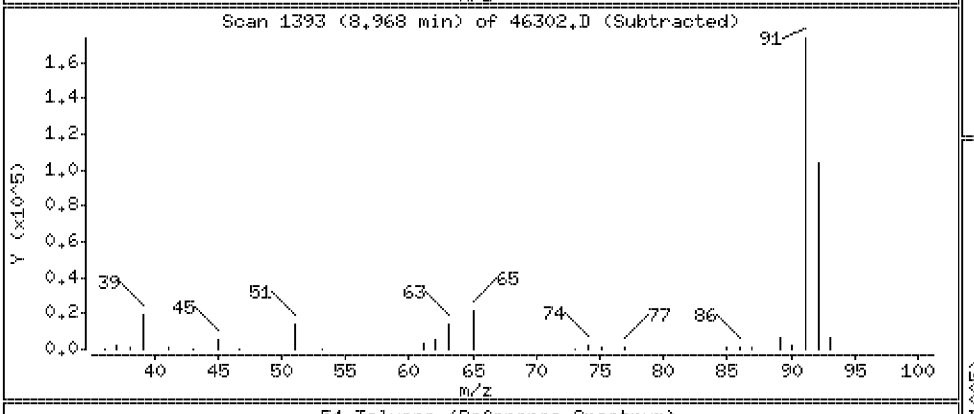
Sample Info: 251446302;2514463;1;

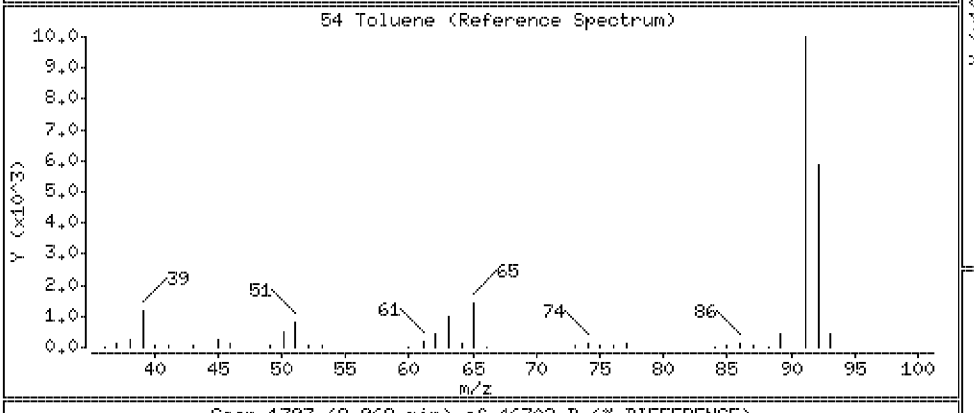
Purge Volume: 5.0 Operator:

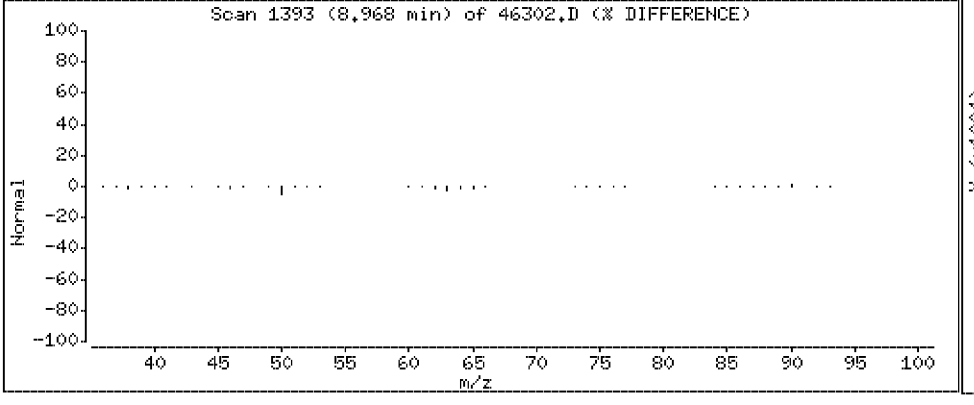
Column phase: DB-624 Column diameter: 0.18

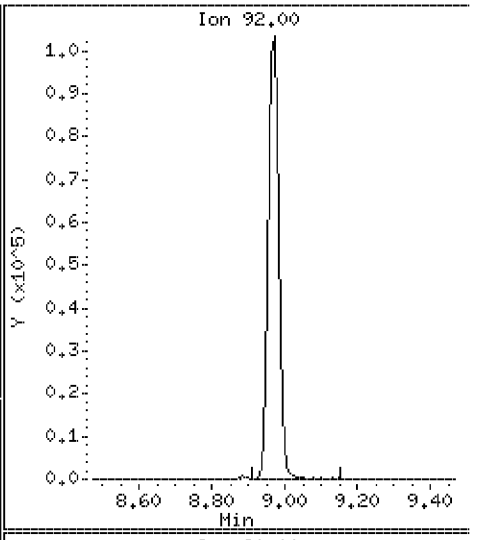
54 Toluene Concentration: 4.4 ug/l

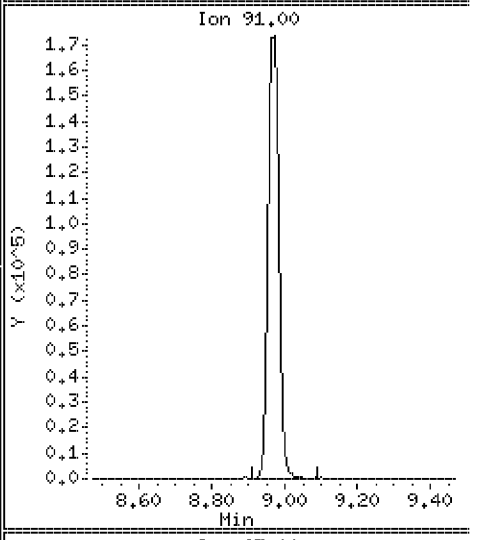


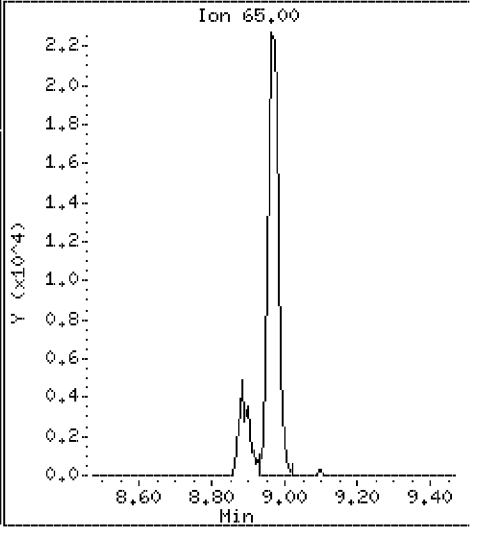












Raw Data Method 8015 GRO

Vol BTX VB120809WC K) 12-8-09 GNW V

1 RT
2 CAL 6
3 CAL 5
4 CAL 4
5 CAL 3
6 CAL 2
7 CAL 1
8 CAL 1R
9 SSC 1
10 SSC 2

RT 29704, 30837
CAL 30164
2C 30164
IS 31954
Sull 31435

75

VOLDTX VB121603 KJ 12-16-09 GROW

RT 29704, 30837
CCL 30169
QC 30164
IS 31954
SCH 31435

1 RT
2 CCV
3 LCS
4 LCSD
5 BLK1
6 2514465 01
7 02
8 03
9 04
10 07
11 2514463 01
12 02
13 2514465 05 MS
14 06 MSD
15 CCV2
16 2514469 01
17 04
18 06
19 2514471 02
20 04 10X
21 06
22 04
23 2514470 02 RR 1.0
24 04 3.3 RR 1.10
25 06 4.3 RR 1.10
26 CCV3
27 CCV4

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
27298	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
28933	GRO_IS	Chem Service	388-117B	9/1/2013	10 ML	5/22/2009	lpelo

99.5 %: Fluorobenzene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29218	GRO_SUR	AccuStandard	B4030353	4/2/2014	1 ML	6/9/2009	ksiuda

2000 UG/ML: Chlorobenzene

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
30164	GRO_INT_QC			2/6/2010	10 ML	8/6/2009	lpelo

250 UG/ML: TPH >C6-C10

COMPOSED OF:

27298: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30168	GRO_CAL	Circle K	unleaded gas	2/6/2010	50 ML	8/6/2009	lpelo

1.0087g → 50mL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30169	GRO_INT_CAL	CircleK		2/6/2010	25 ML	8/6/2009	lpelo

COMPOSED OF:

30168: 250 UL

201.74 ug/mL

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
31435	GRO_INT_SURR			4/29/2010	10 ML	10/29/2009	ksiuda

200 UG/ML: Chlorobenzene

COMPOSED OF:

29218: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31953	8015G_IST			6/8/2010	25 ML	12/8/2009	ksiuda

~~0~~ UG/ML: Fluorobenzene

COMPOSED OF:

28933: 243.9 UL

10000 ug/mL FB

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31954	8015G_IST			6/8/2010	25 ML	12/8/2009	ksiuda

~~0~~ ug/L: Fluorobenzene

COMPOSED OF:

31953: 500 UL

200 ug/mL FB JP.

2514463

PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\CAL6.D
Lab Smp Id: CAL6 Client Smp ID: CAL6
Inj Date : 08-DEC-2009 15:05
Operator : MST Inst ID: volbtx.i
Smp Info : CAL6
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Meth Date : 09-Dec-2009 08:23 ksiuda Quant Type: ISTD
Cal Date : 04-NOV-2009 12:31 Cal File: CAL6.D
Als bottle: 2 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	6.312-	11.990		11014490	2.01740	1.7(M)
* 2 Fluorobenzene	8.554	8.554	(1.000)	1847453	0.20000	
$ 6 Chlorobenzene	10.650	10.650	(1.245)	5361480	0.80000	0.58(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: CAL6.D
Lab Smp Id: CAL6
Analysis Type: VOA
Quant Type: ISTD
Operator: MST
Method File: \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: CAL6
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1847453	51.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.55	-0.07

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\CC\Chem\volbtx.i\VB120809WC.b\CAL6.D

Date : 08-DEC-2009 15:05

Client ID: CAL6

Instrument: volbtx.i

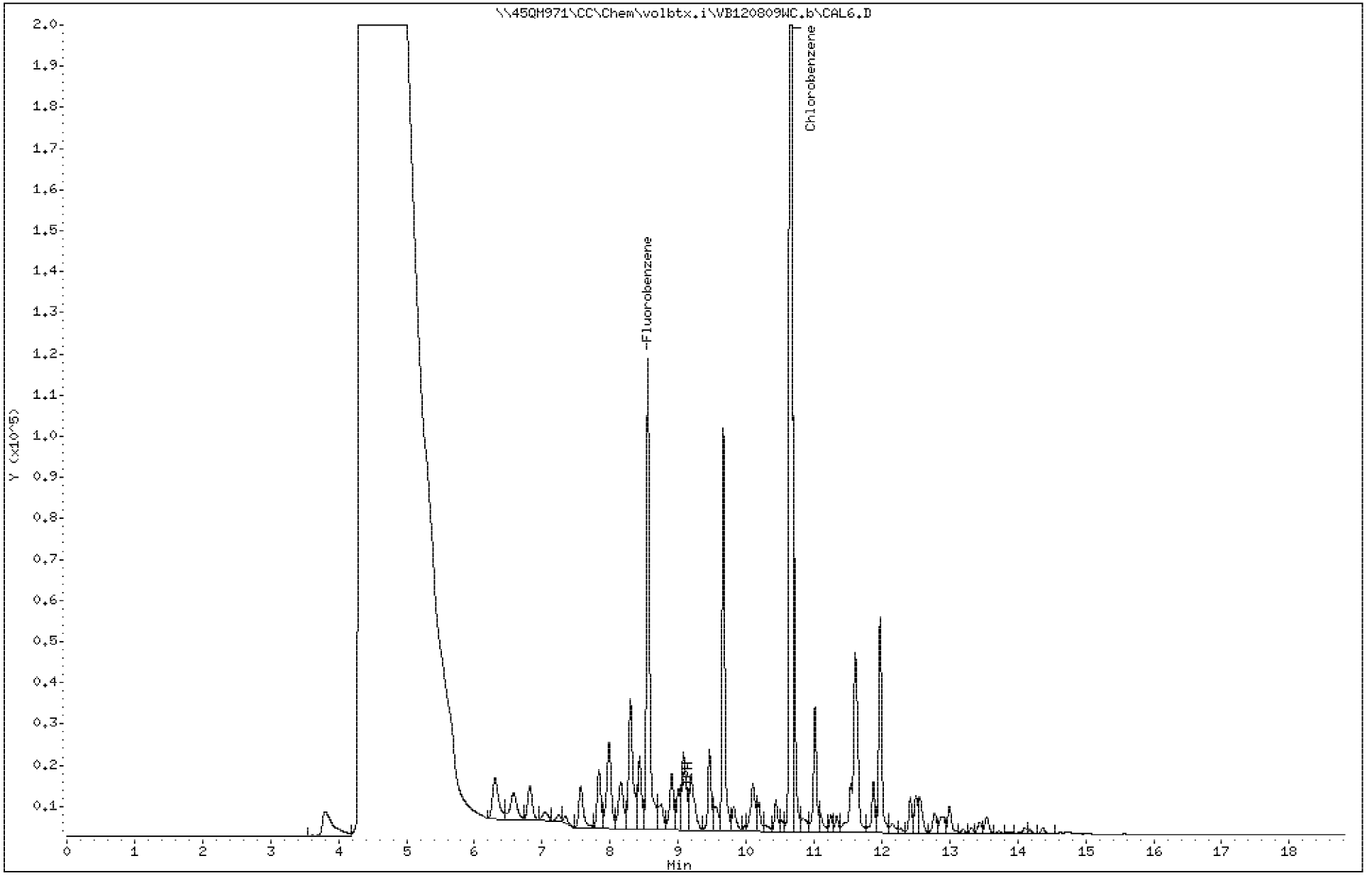
Sample Info: CAL6

Purge Volume: 5.0

Operator: MST

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\CAL5.D
Lab Smp Id: CAL5 Client Smp ID: CAL5
Inj Date : 08-DEC-2009 15:33
Operator : MST Inst ID: volbtx.i
Smp Info : CAL5
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Meth Date : 09-Dec-2009 08:23 ksiuda Quant Type: ISTD
Cal Date : 04-NOV-2009 12:31 Cal File: CAL6.D
Als bottle: 3 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	6.312	-11.990		7234673	1.51305	1.3(M)
* 2 Fluorobenzene	8.559	8.554	(1.000)	1501740	0.20000	
$ 6 Chlorobenzene	10.646	10.650	(1.244)	3914742	0.60000	0.51(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: MST
Method File: \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: CAL5
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1501740	22.85

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.56	-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: \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\CAL5.D

Date : 08-DEC-2009 15:33

Client ID: CAL5

Instrument: volbtx.i

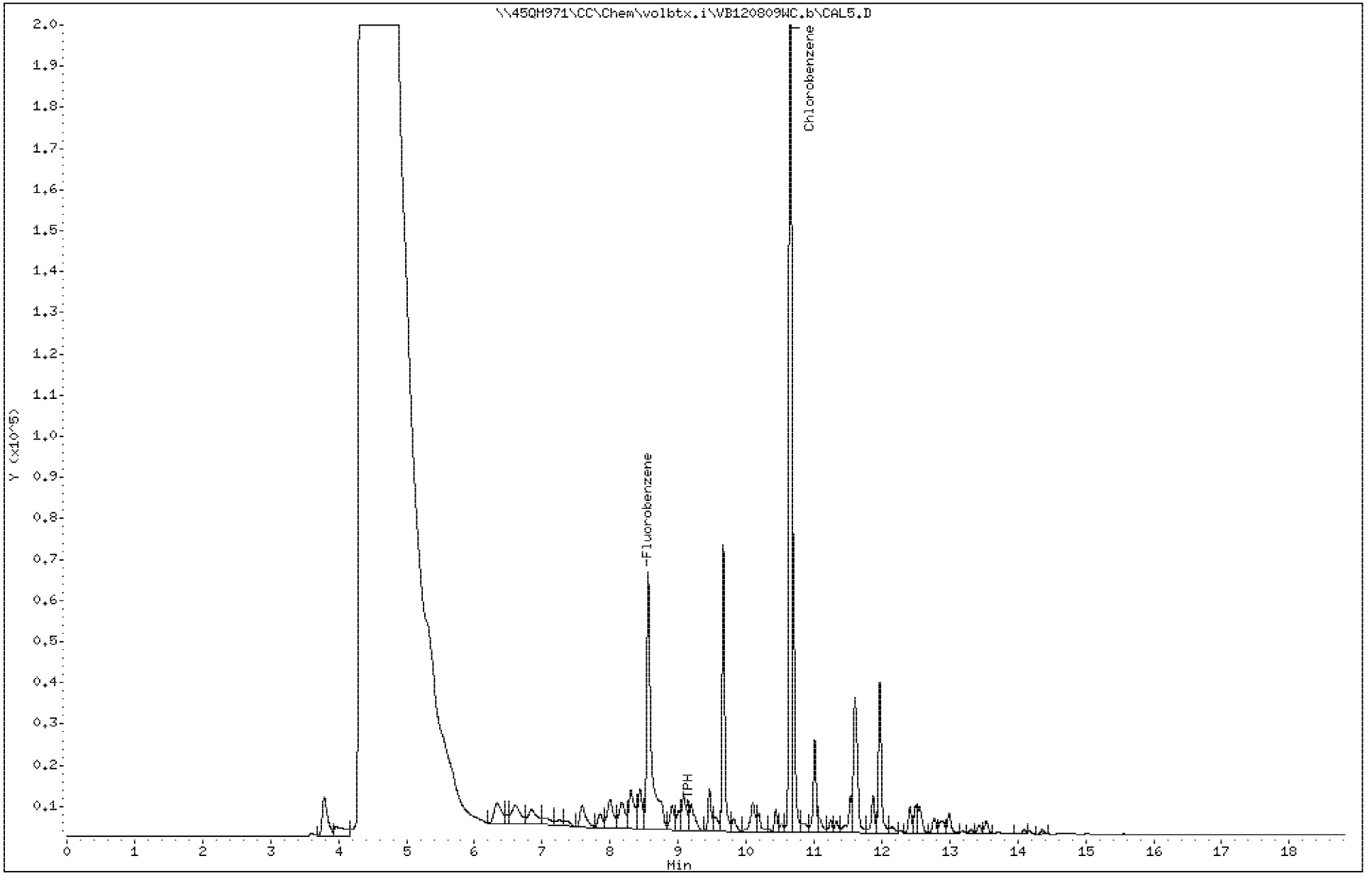
Sample Info: CAL5

Purge Volume: 5.0

Operator: MST

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\CAL4.D
Lab Smp Id: CAL4 Client Smp ID: CAL4
Inj Date : 08-DEC-2009 16:01
Operator : MST Inst ID: volbtx.i
Smp Info : CAL4
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Meth Date : 09-Dec-2009 08:23 ksiuda Quant Type: ISTD
Cal Date : 04-NOV-2009 12:31 Cal File: CAL6.D
Als bottle: 4 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	6.312-11.990			4154295	1.00870	0.85(M)
* 2 Fluorobenzene	8.558	8.554	(1.000)	1285511	0.20000	
$ 6 Chlorobenzene	10.650	10.650	(1.244)	2557465	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: MST
Method File: \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: CAL4
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1285511	5.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.56	-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: \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\CAL4.D

Date : 08-DEC-2009 16:01

Client ID: CAL4

Instrument: volbtx.i

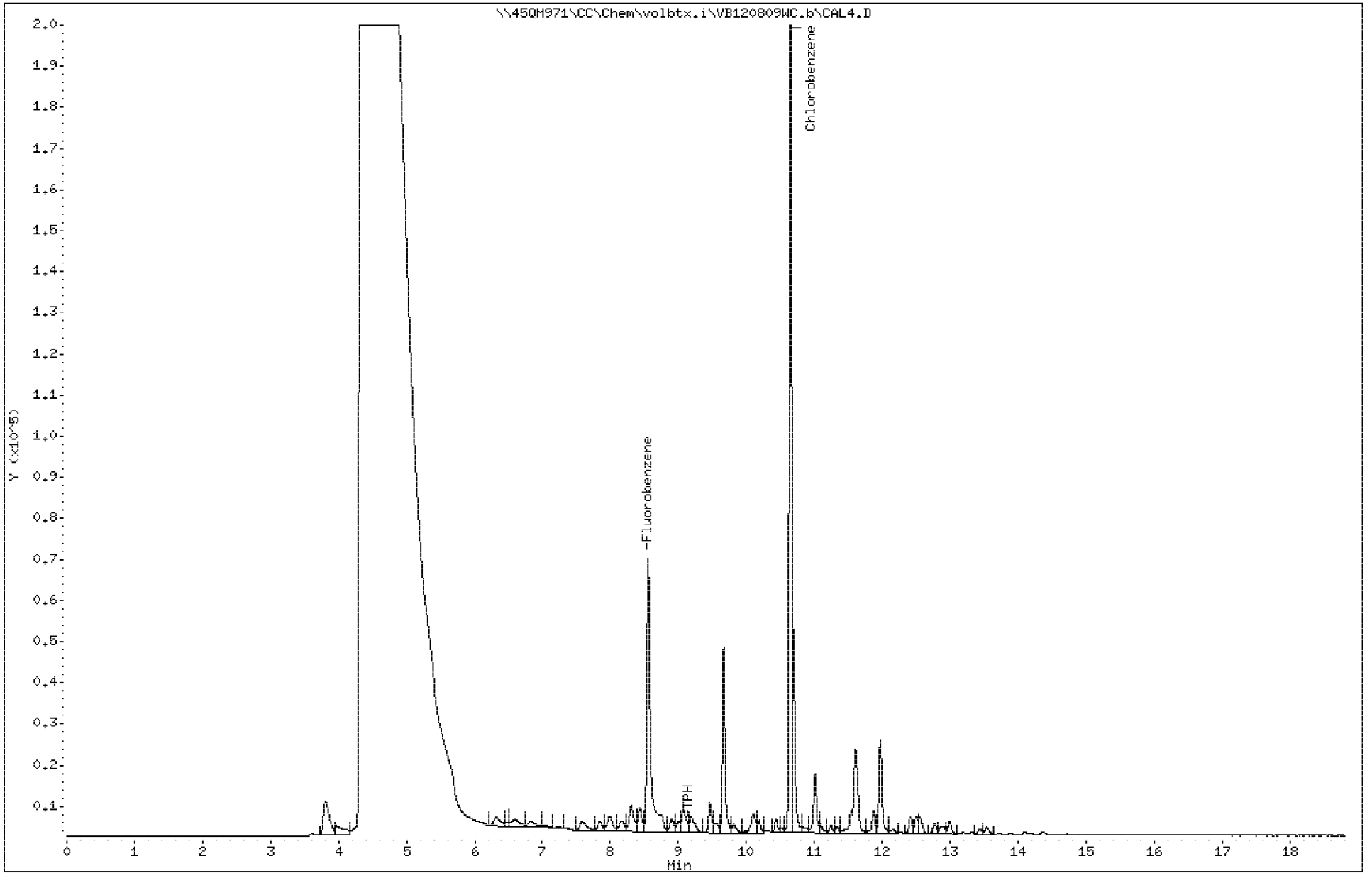
Sample Info: CAL4

Purge Volume: 5.0

Operator: MST

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\CAL3.D
Lab Smp Id: CAL3 Client Smp ID: CAL3
Inj Date : 08-DEC-2009 16:29
Operator : MST Inst ID: volbtx.i
Smp Info : CAL3
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Meth Date : 09-Dec-2009 08:23 ksiuda Quant Type: ISTD
Cal Date : 04-NOV-2009 12:31 Cal File: CAL6.D
Als bottle: 5 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	6.312-11.990			2173619	0.50435	0.45(M)
* 2 Fluorobenzene	8.560	8.554	(1.000)	1222415	0.20000	
$ 6 Chlorobenzene	10.650	10.650	(1.244)	1209397	0.20000	0.19(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: CAL3.D
Lab Smp Id: CAL3
Analysis Type: VOA
Quant Type: ISTD
Operator: MST
Method File: \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: CAL3
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1222415	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.56	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\CC\Chem\volbtx.i\VB120809WC.b\CAL3.D

Date : 08-DEC-2009 16:29

Client ID: CAL3

Instrument: volbtx.i

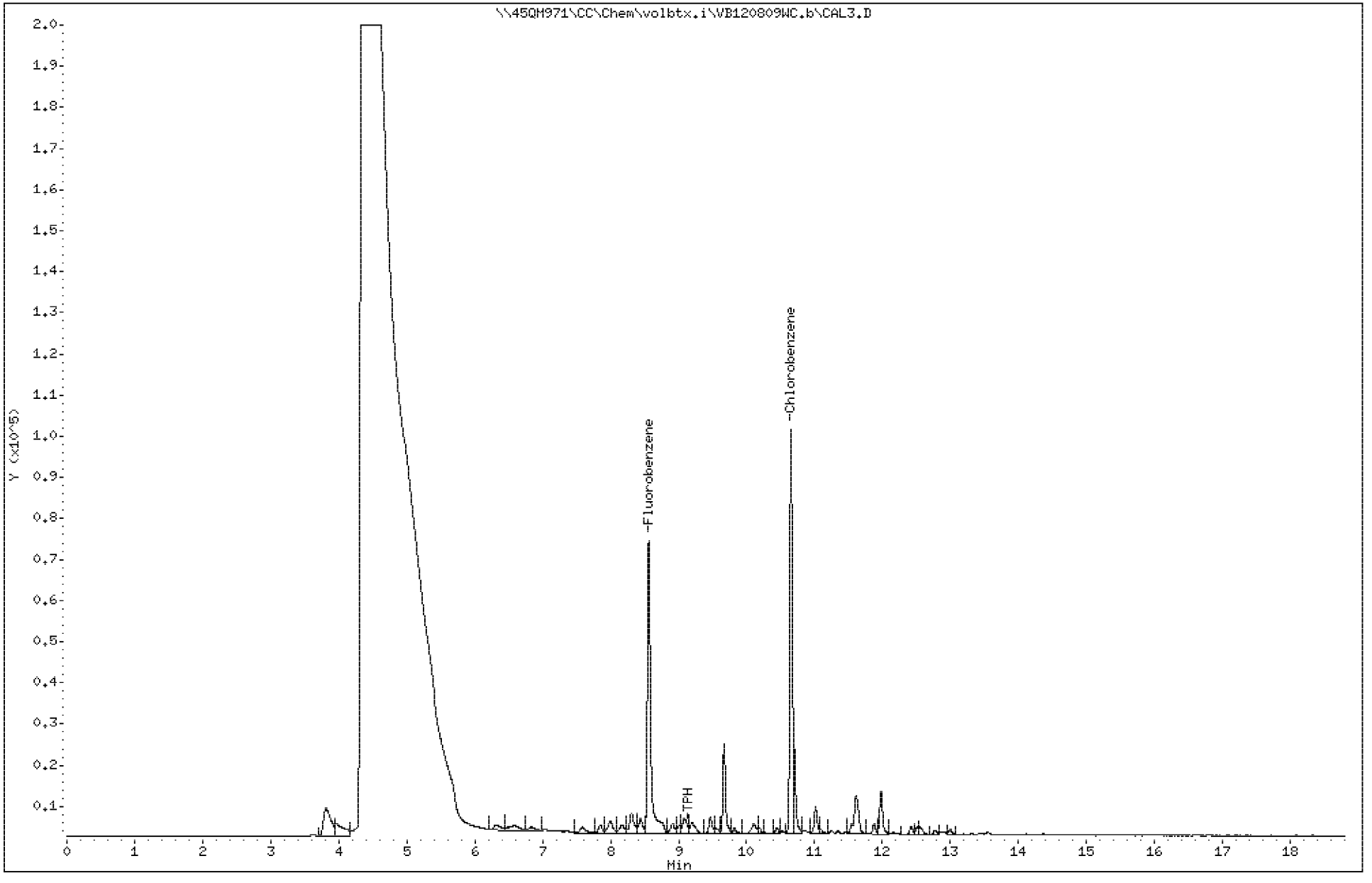
Sample Info: CAL3

Purge Volume: 5.0

Operator: MST

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\CAL2.D
Lab Smp Id: CAL2 Client Smp ID: CAL2
Inj Date : 08-DEC-2009 16:58
Operator : MST Inst ID: volbtx.i
Smp Info : CAL2
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Meth Date : 09-Dec-2009 08:23 ksiuda Quant Type: ISTD
Cal Date : 04-NOV-2009 12:31 Cal File: CAL6.D
Als bottle: 6 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

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 TPH	6.312-11.990			759200	0.20174	0.16(M)
* 2 Fluorobenzene	8.561	8.554	(1.000)	1074587	0.20000	
$ 6 Chlorobenzene	10.646	10.650	(1.244)	617155	0.10000	0.12(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: MST
Method File: \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: CAL2
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1074587	-12.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.56	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: \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\CAL2.D

Date : 08-DEC-2009 16:58

Client ID: CAL2

Instrument: volbtx.i

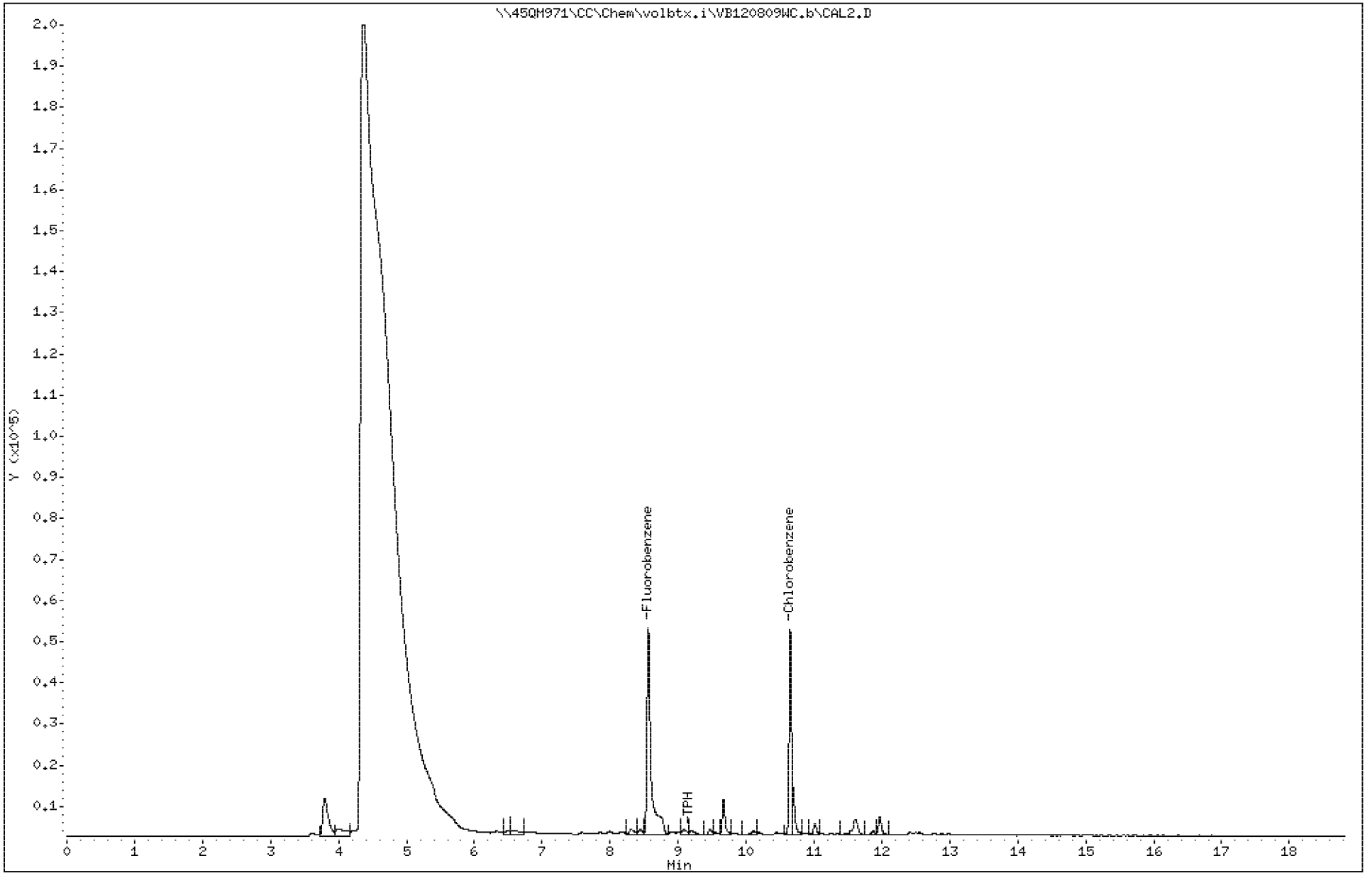
Sample Info: CAL2

Purge Volume: 5.0

Operator: MST

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\CAL1R.D
Lab Smp Id: CAL1R Client Smp ID: CAL1R
Inj Date : 08-DEC-2009 17:54
Operator : MST Inst ID: volbtx.i
Smp Info : CAL1R
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Meth Date : 09-Dec-2009 08:23 ksiuda Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 8 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	6.312-11.990			221173	0.04035		(aM)
* 2 Fluorobenzene	8.562	8.554	(1.000)	1264073	0.20000		
$ 6 Chlorobenzene	10.653	10.650	(1.244)	240501	0.04000		(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: CAL1R.D
Lab Smp Id: CAL1R
Analysis Type: VOA
Quant Type: ISTD
Operator: MST
Method File: \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: CAL1R
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1264073	3.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.56	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: \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\CAL1R.D

Date : 08-DEC-2009 17:54

Client ID: CAL1R

Instrument: volbtx.i

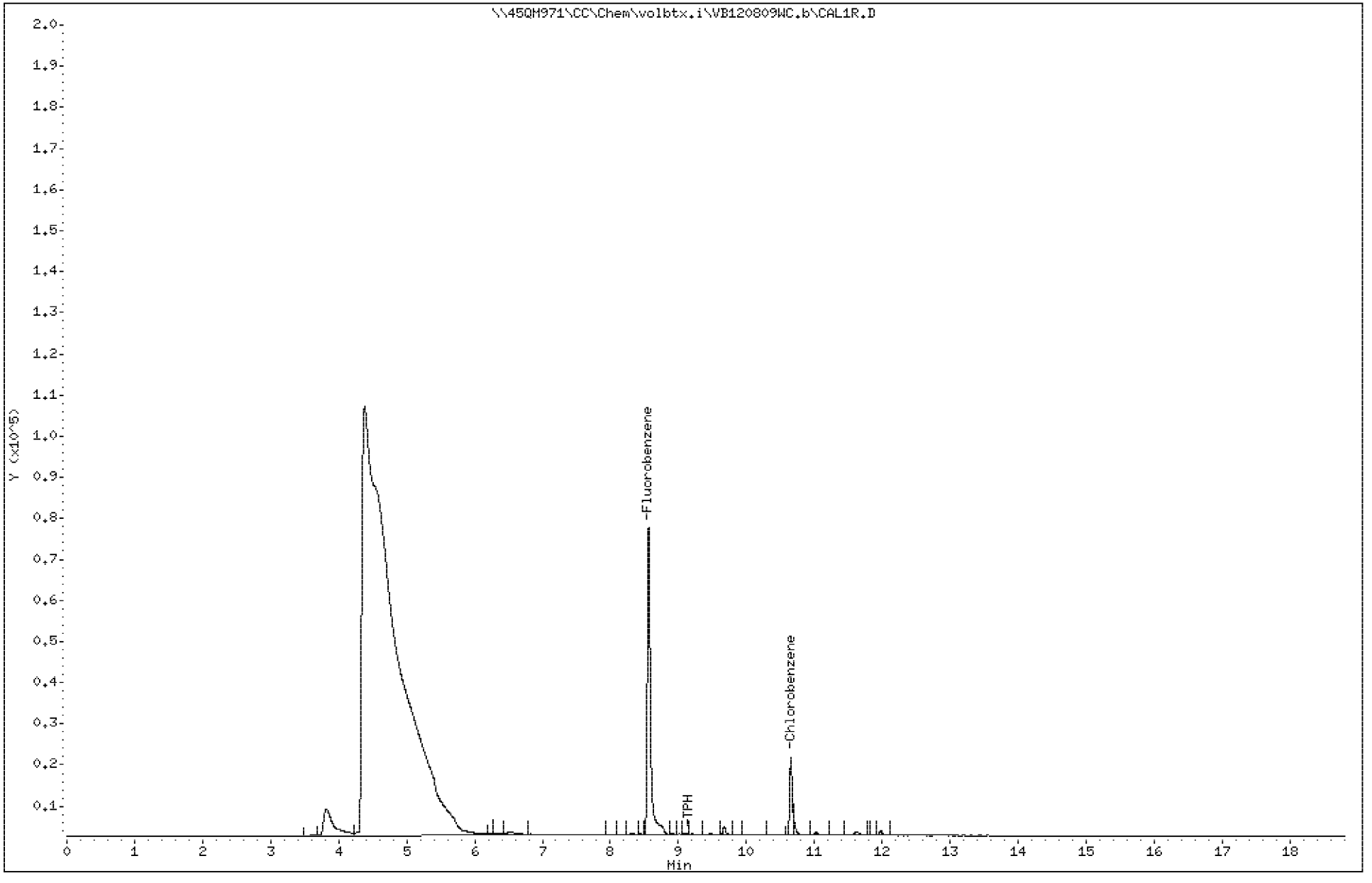
Sample Info: CAL1R

Purge Volume: 5.0

Operator: MST

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SSC1.D
Lab Smp Id: SSC1 Client Smp ID: SSC1
Inj Date : 08-DEC-2009 18:23
Operator : MST Inst ID: volbtx.i
Smp Info : SSC1
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Meth Date : 09-Dec-2009 08:23 ksiuda Quant Type: ISTD
Cal Date : 08-DEC-2009 15:05 Cal File: CAL6.D
Als bottle: 9 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	6.312	11.990		2405882	0.51755	0.52(M)
*	2 Fluorobenzene	8.559	8.554	(1.000)	1346978	0.20000	
$	6 Chlorobenzene	10.646	10.650	(1.244)	1392801	0.21851	0.22(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: SSC1.D
Lab Smp Id: SSC1
Analysis Type: VOA
Quant Type: ISTD
Operator: MST
Method File: \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: SSC1
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1346978	10.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.56	-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: \\45QM971\CC\Chem\volbtx.i\VB120809WC.b\SSC1.D

Date : 08-DEC-2009 18:23

Client ID: SSC1

Instrument: volbtx.i

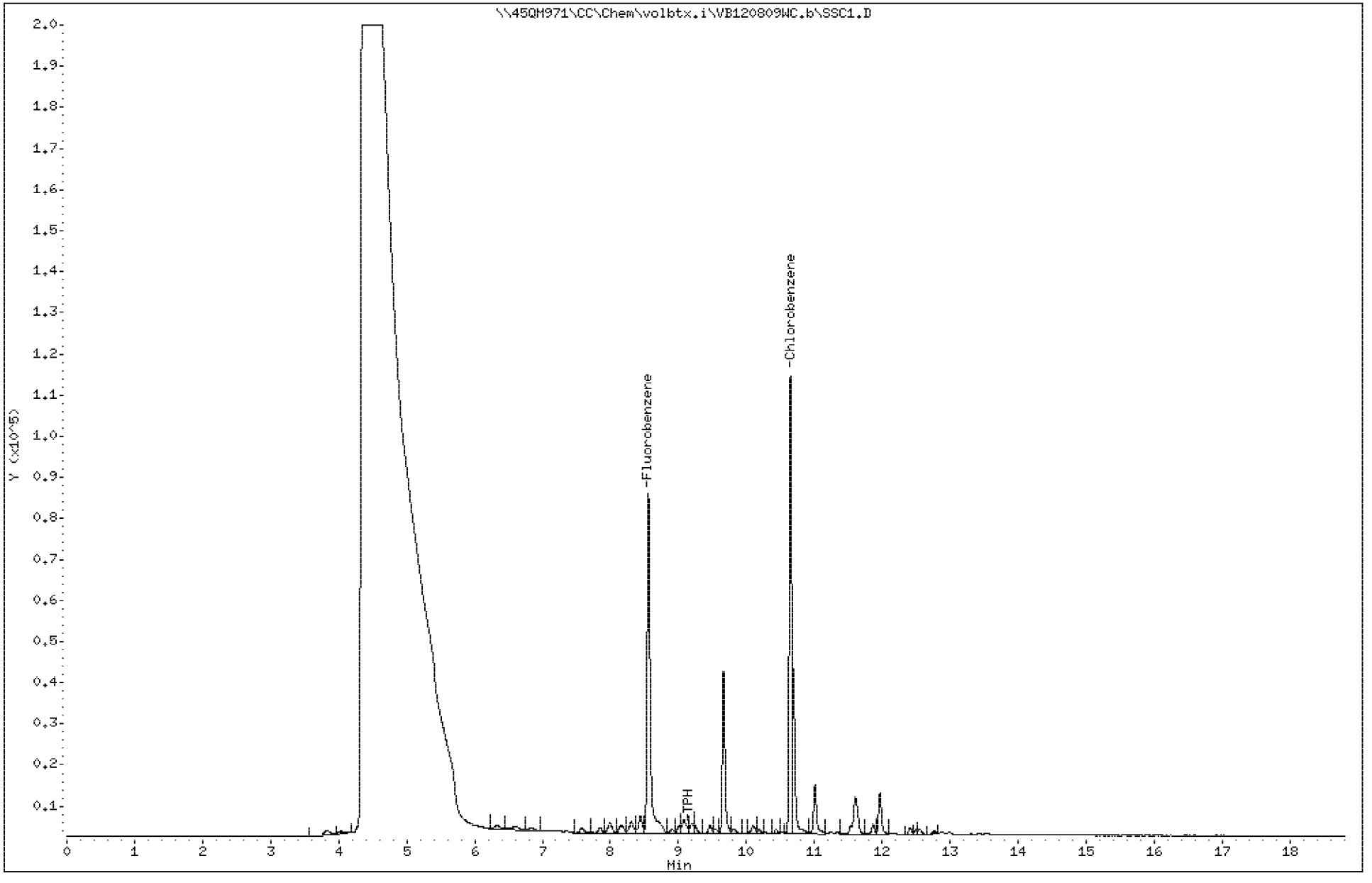
Sample Info: SSC1

Purge Volume: 5.0

Operator: MST

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB121609.b\CCV1.D
Lab Smp Id: CCV1 Client Smp ID: CCV1
Inj Date : 16-DEC-2009 08:54
Operator : KS Inst ID: volbtx.i
Smp Info : CCV1
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Meth Date : 24-Dec-2009 12:05 ksiuda Quant Type: ISTD
Cal Date : 08-DEC-2009 15:05 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	6.300	-11.981		3066207	0.50435	0.48(M)
* 2 Fluorobenzene	8.557	8.554	(1.000)	1855947	0.20000	
$ 6 Chlorobenzene	10.650	10.650	(1.245)	1404448	0.20000	0.16(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\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: CCV1
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1855947	51.83

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.56	-0.04

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\CC\Chem\volbtx.i\VB121609.b\CCV1.D

Date : 16-DEC-2009 08:54

Client ID: CCV1

Instrument: volbtx.i

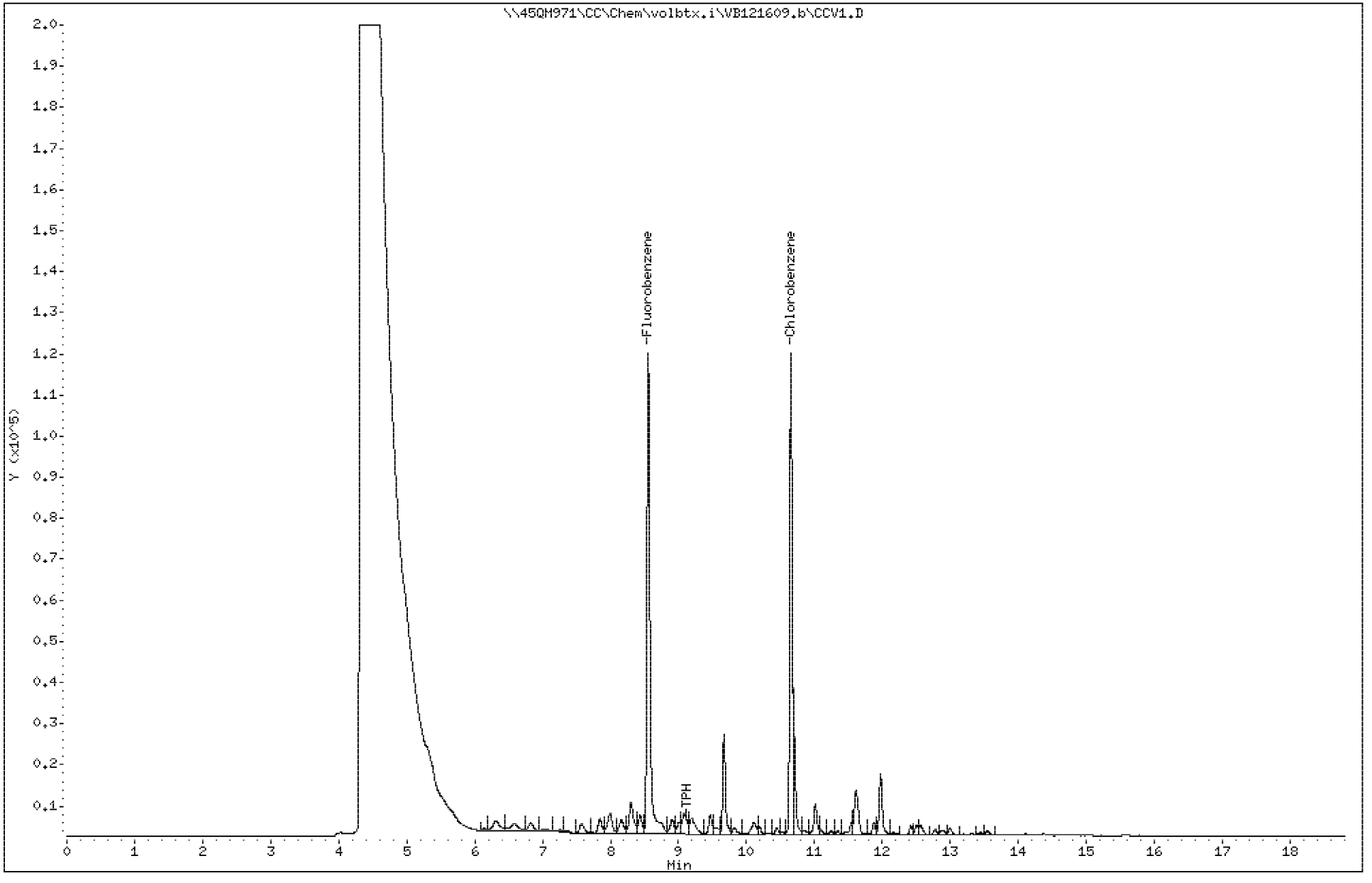
Sample Info: CCV1

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB121609.b\LCS.D
Lab Smp Id: 1216LCS Client Smp ID: 1216LCS
Inj Date : 16-DEC-2009 09:37
Operator : KS Inst ID: volbtx.i
Smp Info : 1216LCS
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Meth Date : 24-Dec-2009 12:05 ksiuda Quant Type: ISTD
Cal Date : 08-DEC-2009 15:05 Cal File: CAL6.D
Als bottle: 3 QC Sample: LCS
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)	FINAL (mg/L)
S 1 TPH	6.300-11.981			1141926	0.25748	0.26(M)
* 2 Fluorobenzene	8.567	8.554	(1.000)	1285070	0.20000	
$ 6 Chlorobenzene	10.670	10.650	(1.245)	1320829	0.21721	0.22(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: 1216LCS
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: 1216LCS
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1285070	5.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.57	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\CC\Chem\volbtx.i\VB121609.b\LCS.D

Date : 16-DEC-2009 09:37

Client ID: 1216LCS

Instrument: volbtx.i

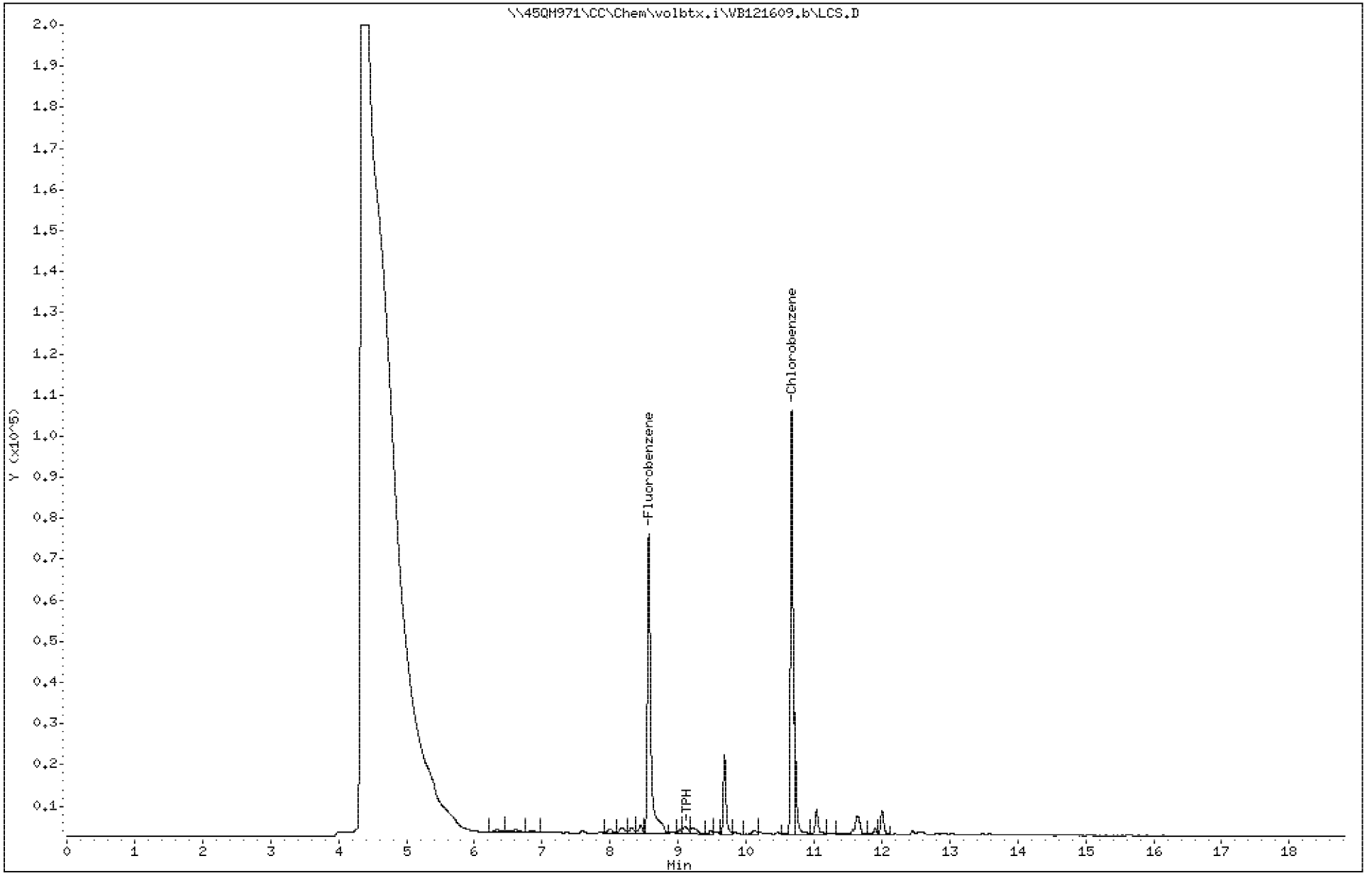
Sample Info: 1216LCS

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB121609.b\LCSD.D
Lab Smp Id: 1216LCSD Client Smp ID: 1216LCSD
Inj Date : 16-DEC-2009 10:05
Operator : KS Inst ID: volbtx.i
Smp Info : 1216LCSD
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Meth Date : 24-Dec-2009 12:05 ksiuda Quant Type: ISTD
Cal Date : 08-DEC-2009 15:05 Cal File: CAL6.D
Als bottle: 4 QC Sample: LCSD
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)	FINAL (mg/L)
S 1 TPH	6.300-11.981			1243628	0.23886	0.24(M)
* 2 Fluorobenzene	8.566	8.554	(1.000)	1508632	0.20000	
$ 6 Chlorobenzene	10.660	10.650	(1.245)	1358715	0.19032	0.19(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: 1216LCSD
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: 1216LCSD
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1508632	23.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.57	0.07

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\CC\Chem\volbtx.i\VB121609.b\LCSD.D

Date : 16-DEC-2009 10:05

Client ID: 1216LCSD

Instrument: volbtx.i

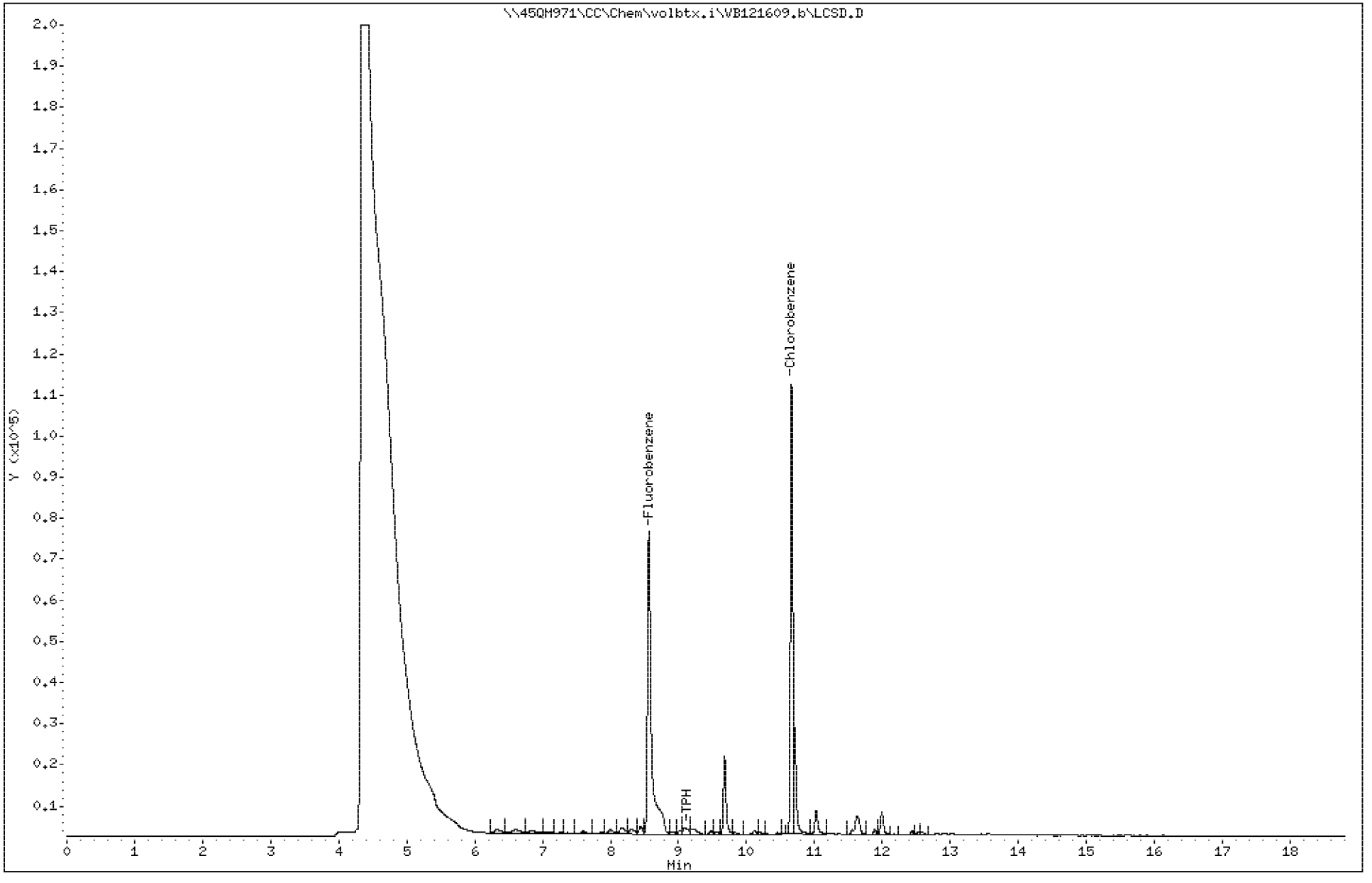
Sample Info: 1216LCSD

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB121609.b\BLK1.D
Lab Smp Id: 1216BLK1 Client Smp ID: 1216BLK1
Inj Date : 16-DEC-2009 10:33
Operator : KS Inst ID: volbtx.i
Smp Info : 1216BLK1
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Meth Date : 24-Dec-2009 12:05 ksiuda Quant Type: ISTD
Cal Date : 08-DEC-2009 15:05 Cal File: CAL6.D
Als bottle: 5 QC Sample: BLANK
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)	FINAL (mg/L)
* 2 Fluorobenzene	8.568	8.554	(1.000)	1361379	0.20000	
$ 6 Chlorobenzene	10.670	10.650	(1.245)	1367227	0.21223	0.21

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: BLK1.D
Lab Smp Id: 1216BLK1
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: 1216BLK1
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1361379	11.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.57	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\CC\Chem\volbtx.i\VB121609.b\BLK1.D

Date : 16-DEC-2009 10:33

Client ID: 1216BLK1

Instrument: volbtx.i

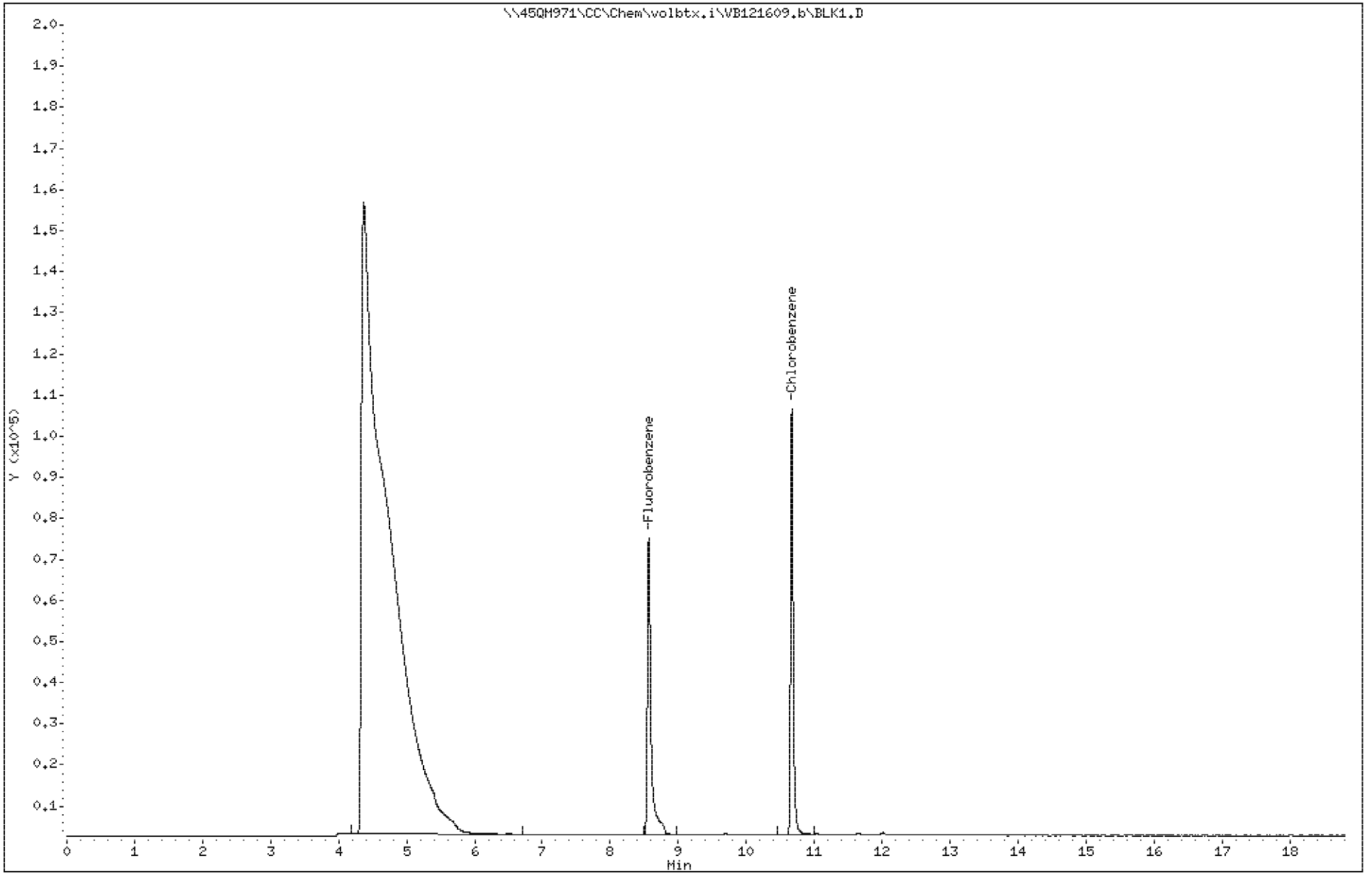
Sample Info: 1216BLK1

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB121609.b\46301.D
Lab Smp Id: 251446301 Client Smp ID: ST-106-TB-12112009
Inj Date : 16-DEC-2009 13:45
Operator : KS Inst ID: volbtx.i
Smp Info : 251446301
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Meth Date : 24-Dec-2009 12:05 ksiuda Quant Type: ISTD
Cal Date : 08-DEC-2009 15:05 Cal File: CAL6.D
Als bottle: 11
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)	FINAL (mg/L)
* 2 Fluorobenzene	8.568	8.554	(1.000)	1475159	0.20000	
$ 6 Chlorobenzene	10.667	10.650	(1.245)	1323476	0.18960	0.19

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: volbtx.i
Lab File ID: 46301.D
Lab Smp Id: 251446301
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: ST-106-TB-12112
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1475159	20.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.57	0.10

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\CC\Chem\volbtx.i\VB121609.b\46301.D

Date : 16-DEC-2009 13:45

Client ID: ST-106-TB-12112009

Instrument: volbtx.i

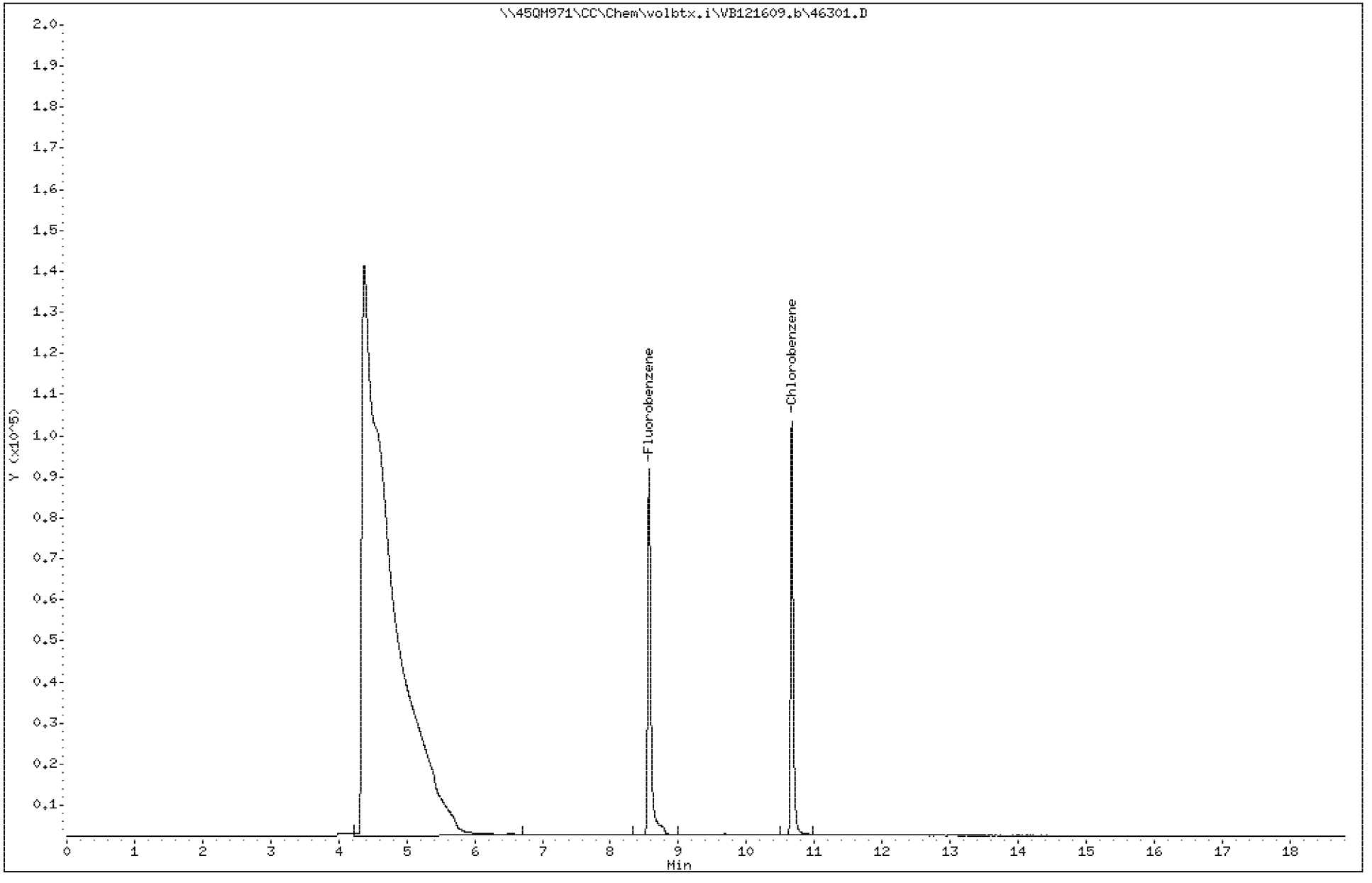
Sample Info: 251446301

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB121609.b\46302.D
Lab Smp Id: 251446302 Client Smp ID: ST106-GW-10625-1211
Inj Date : 16-DEC-2009 14:14
Operator : KS Inst ID: volbtx.i
Smp Info : 251446302
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Meth Date : 24-Dec-2009 12:05 ksiuda Quant Type: ISTD
Cal Date : 08-DEC-2009 15:05 Cal File: CAL6.D
Als bottle: 12
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	6.300-11.981			48688	0.01025	0.010(a)
* 2 Fluorobenzene	8.569	8.554	(1.000)	1376655	0.20000	
$ 6 Chlorobenzene	10.665	10.650	(1.245)	1295127	0.19881	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: 46302.D
Lab Smp Id: 251446302
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: ST106-GW-10625-
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1376655	12.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.57	0.10

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\CC\Chem\volbtx.i\VB121609.b\46302.D

Date : 16-DEC-2009 14:14

Client ID: ST106-GW-10625-1211

Instrument: volbtx.i

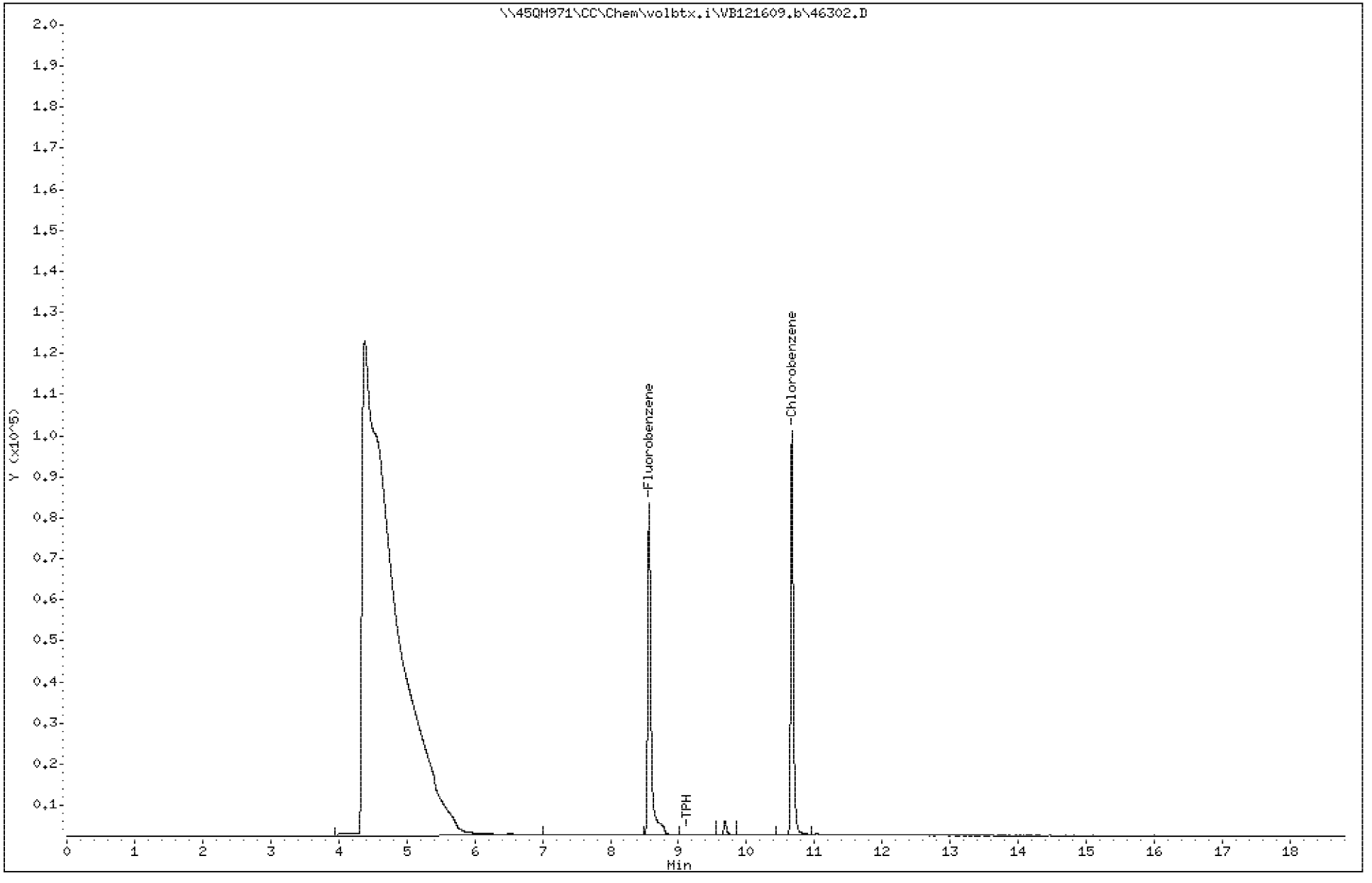
Sample Info: 251446302

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\45QM971\CC\Chem\volbtx.i\VB121609.b\CCV2.D
Lab Smp Id: CCV2 Client Smp ID: CCV2
Inj Date : 16-DEC-2009 15:40
Operator : KS Inst ID: volbtx.i
Smp Info : CCV2
Misc Info :
Comment :
Method : \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Meth Date : 24-Dec-2009 12:05 ksiuda Quant Type: ISTD
Cal Date : 08-DEC-2009 15:05 Cal File: CAL6.D
Als bottle: 15 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	6.300	-11.981		2094595	0.50435	0.54(M)
* 2 Fluorobenzene	8.567	8.554	(1.000)	1129599	0.20000	
$ 6 Chlorobenzene	10.660	10.650	(1.244)	1086564	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: CCV2.D
Lab Smp Id: CCV2
Analysis Type: VOA
Quant Type: ISTD
Operator: KS
Method File: \\45QM971\CC\Chem\volbtx.i\VB121609.b\SGRO.m
Misc Info:

Calibration Date: 08-DEC-2009
Calibration Time: 16:29
Client Smp ID: CCV2
Level: HIGH
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	1222415	611208	2444830	1129599	-7.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
2 Fluorobenzene	8.56	8.06	9.06	8.57	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\CC\Chem\volbtx.i\VB121609.b\CCV2.D

Date : 16-DEC-2009 15:40

Client ID: CCV2

Instrument: volbtx.i

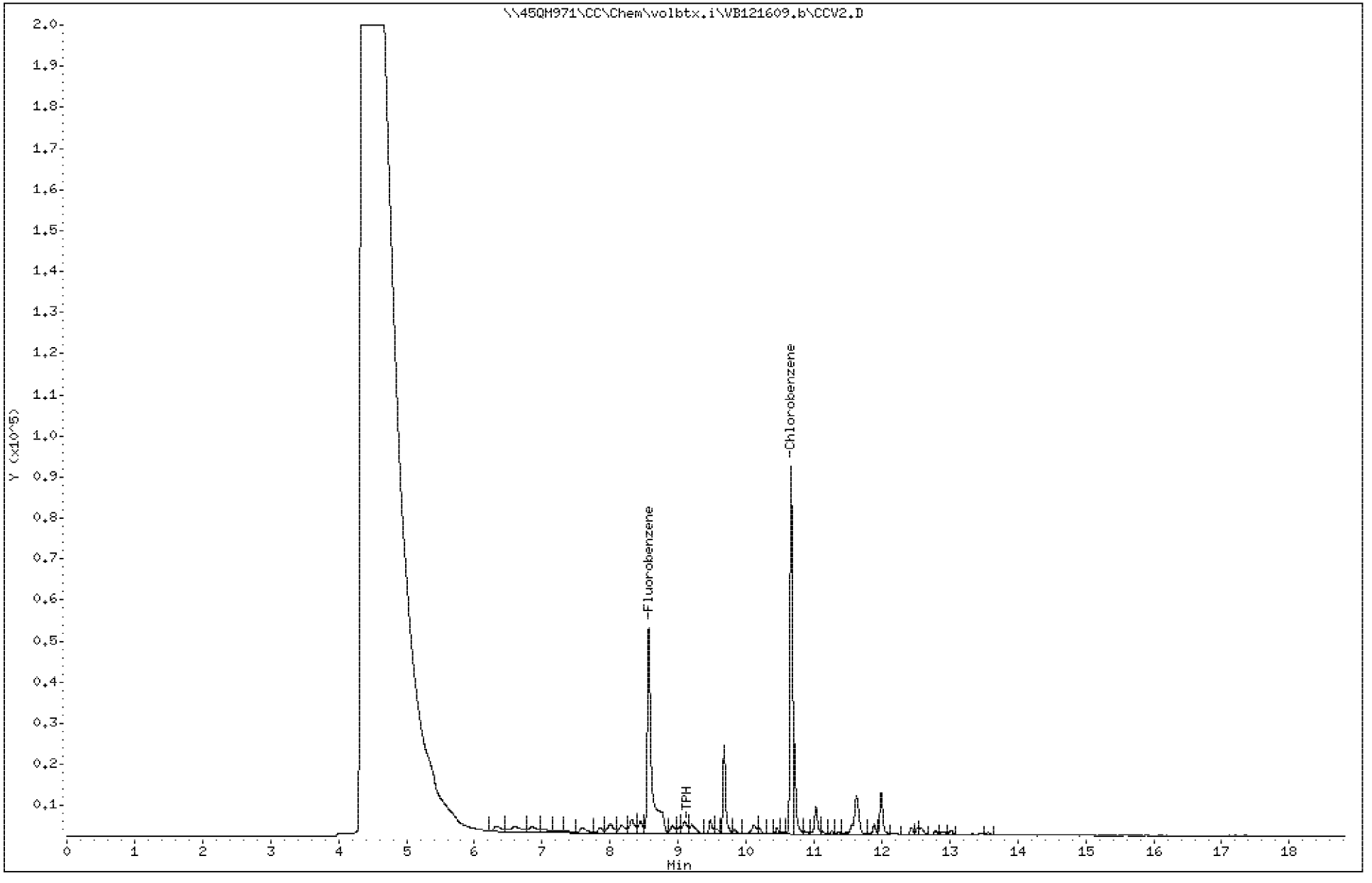
Sample Info: CCV2

Purge Volume: 5.0

Operator: KS

Column phase: RTX 502.2

Column diameter: 0.53



Raw Data Method 8015 DRO

SEQUENCE CHECK

SDG: 2514463 **Method:** 8015

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
STD777155	31416	SFID0111/04/09-1316~F1110309DRO	DROCAL6.D	F1110309DRO	1	SFID01	11/03/09 17:02	1
STD777163	31418	SFID0111/04/09-1316~F1110309DRO	DROCAL4.D	F1110309DRO	1	SFID01	11/03/09 17:58	1
STD777164	31419	SFID0111/04/09-1316~F1110309DRO	DROCAL3.D	F1110309DRO	1	SFID01	11/03/09 18:25	1
STD777165	31420	SFID0111/04/09-1316~F1110309DRO	DROCAL2.D	F1110309DRO	1	SFID01	11/03/09 18:53	1
STD777166	31421	SFID0111/04/09-1316~F1110309DRO	DROCAL1.D	F1110309DRO	1	SFID01	11/03/09 19:21	1
STD777156	31417	SFID0111/04/09-1316~F1110309DRO	DROCAL5.D	F1110309DRO	1	SFID01	11/04/09 13:16	1
SSC777167	31510	SFID0111/04/09-1316~F1110309DRO	DROSECCV.D	F1110309DRO	1	SFID01	11/04/09 13:44	1
CCV790919	32085	SFID0111/04/09-1316~F1110309DRO	DROCCV1.D	F1121509	1	SFID01	12/16/09 08:10	1
7312BLK	296694	SFID0111/04/09-1316~F1110309DRO	7312BLK.D	F1121509	1	SFID01	12/16/09 08:38	1
7312LCS	296695	SFID0111/04/09-1316~F1110309DRO	7312LCS.D	F1121509	1	SFID01	12/16/09 09:06	1
ST106-GW-10625-1	251446302	SFID0111/04/09-1316~F1110309DRO	463-2.D	F1121509	1	SFID01	12/16/09 10:29	1
CCV791299	32085	SFID0111/04/09-1316~F1110309DRO	DROCCV2.D	F1121509	1	SFID01	12/16/09 13:16	1
CCV792173	32085	SFID0111/04/09-1316~F1110309DRO	DROCCV2.D	F1121809	1	SFID01	12/18/09 15:46	1
7338BLK	297088	SFID0111/04/09-1316~F1110309DRO	7338BLK.D	F1121809	1	SFID01	12/18/09 18:06	1
7338LCS	297089	SFID0111/04/09-1316~F1110309DRO	7338LCS.D	F1121809	1	SFID01	12/18/09 18:34	1
7338LCSD	297090	SFID0111/04/09-1316~F1110309DRO	7338LCSD.D	F1121809	1	SFID01	12/18/09 19:02	1
ST106-GW-10625-1	251446302RE1	SFID0111/04/09-1316~F1110309DRO	463-2RE1.D	F1121809	1	SFID01	12/18/09 19:29	1
CCV792247	32150	SFID0111/04/09-1316~F1110309DRO	DROCCV3.D	F1121809	1	SFID01	12/18/09 19:57	1

Extraction Method 3510

Extraction Lot DCM 31849

PEL Laboratory

~~FL-PRO~~/DRO Water

SC

DCN: TD00038
Revision: 1
Date: 6/1/2005

Batch # 17312

Date 12/14/09 Start Time 12:30 Stop Time 15:00

HBN # 431022

Sample # (Container #)	BLK	LCS	LCSD	2514426 (1) 01	2514380 (1) 05	2514463 (1) 02	2514464 (1) 01	(1) 02	(1) MS 03	(1) MSD 04
Date				12-08-09	12-03-09	12-11-09	12-09-09			
Client ID		DI WATER		40C109 IDW 01	MW1744x 28-103	ST106-GW-10625-12112009	550MW 13-WG012	16-WG007	WG007MS	WG007SD
Odor			VOID	none	strong	none				
Color			12/14/09	yellow tint	yellow	light yellow	Clear			
Sed.				none		slight	none	slight		
Volume (mL)	1000	1000	1000	985	890	985	985	985	985	985
pH	7			7						
Surrogate ID	31810 OTP 1ml @ 100 ng/ml 31736 C-30 1ml @ 200 ng/ml									
Surr. Witness										
Spike ID	NA	31798 DRO spk 1ml @ 100 ng/ml		NA					31798 DRO spk 1ml @ 100 ng/ml	
Spike Witness	NA			NA						
Final Vol.	1ml									
Remarks	NA									
Archive Box/Row	NA									

Filter paper Lot # 31755

Bath Temp 47°

Silica Gel Lot —

Acid Lot —

Sodium Sulfate Lot 31376

Final Solvent Lot DCM 31849

Log Review

2514463

A-458

Extraction Method 3510

Extraction Lot DCM 31849

PEL Laboratory
~~FL-PRO~~/DRO Water

Batch # 17312

DCN: TD00038
Revision: 1
Date: 6/1/2005

Date 12/14/09 Start Time 12:30 Stop Time 15:00

Sample # (Container #)	2514465 (6) 01	(6) 02	2514469 (7) 02	(1) 04	(5) 06	2514470 (4) 02	(2) 04	(5) 06	2514471 02	04
Date	12-10-09		12-09-09			12-10-09			12-11-09	
Client ID	550MW09-WG012	550MW 12-WG011	TMW-1	2-Camp	3 Camp	TMW-1	2	3	TMW-1	2
Odor	Strong	none					Strong			
Color	yellow	clear					yellow			
Sed.	Some	slight	none			slight	some			
Volume (mL)	985	985	970	975	975	980	975	980		
pH	7									
Surrogate ID	31810 OTP 31736 C-30	Inl C 100 ng/ml Inl C 200 ng/ml								
Surr. Witness										
Spike ID	NA									
Spike Witness	NA									
Final Vol.	1ml									
Remarks	NA									
Archive Box/Row	NA									

06

3

VOID TE 12/14/09

Filter paper Lot # 31755

Bath Temp 47°

Silica Gel Lot _____

Sodium Sulfate Lot 31376

Acid Lot _____

Final Solvent Lot DCM 31849

Log Review _____

2514463

A-459

Extraction Method 3510

Extraction Lot DCM 31711

PEL Laboratory

FL-PRO/DRO Water 2e Ca

Batch # 17338
431238

DCN: TD00038
Revision: 1
Date: 6/1/2005

Date 12-18-09 Start Time 10:30 Stop Time 11:00am

Sample # (Container #)	BLK	LCS	LCSD	2514463 (2) G2
Date				12-11-09
Client ID				57106-GW 10625-1011 20009
Odor				none
Color				clear
Sed.				light
Volume (mL)	1000	→	→	970
pH	7	→	→	→
Surrogate ID	32222 C10 sur 1mL 20ug/mL 32097 C-30 sur 1mL 20ug/mL	→	→	→
Surr. Witness	&	→	→	→
Spike ID	N/A	31798 DRO spike 1mL 20ug/mL		N/A
Spike Witness	N/A	&	&	N/A
Final Vol.	1mL	→	→	→
Remarks	N/A	→	→	→
Archive Box/Row	N/A	→	→	→

DI Water

SOIL

Filter paper Lot # 31755

Bath Temp 47°C

Silica Gel Lot —

Sodium Sulfate Lot 30293

Acid Lot —

Final Solvent Lot DCM 31711

Log Review —

2514463

A-460

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
21462	8015_DieselFuel2	Restek 31258	A052137	6/30/2014	1.5 ML	10/23/2007	ericbattistaWCH
50000 UG/ML: 8015 Secondary Diesel Fuel #2							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
21512	8015_Sec_Diesel_Fuel_#	Ultra RGO-616-1	CD-2271	8/1/2011	1 ML	10/26/2007	lkeene
50000 UG/ML: 8015 Diesel Fuel #2							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
28746	CS2	Sigma-Aldrich	94196TJ	5/13/2010	2 L	5/12/2009	pconklin

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29031	C-30(NSI)stk_surr	NSI Solutions, Inc.	249-02-01	9/30/2012	1 ml	5/27/2009	jacker
10000 UG/ML: Triacontane (C-30)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29613	8015_DieselFuel2	Restek 31258	A062502	9/30/2015	1.5 ML	7/1/2009	jacker
50000 UG/ML: 8015 Secondary Diesel Fuel #2							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29692	C-30(NSI)stk_surr	NSI Solutions, Inc.	249-02-01	9/30/2012	1 ml	7/7/2009	jacker
10000 UG/ML: Triacontane (C-30)							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29693	C-30(NSI)stk_surr	NSI Solutions, Inc.	249-02-01	9/30/2012	1 ml	7/7/2009	jacker
10000 UG/ML: Triacontane (C-30)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29697	C-30(NSI)stk_surr	NSI Solutions, Inc.	249-02-01	9/30/2012	1 ml	7/7/2009	jacker
10000 UG/ML: Triacontane (C-30)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
29700	C-30(NSI)stk_surr	NSI Solutions, Inc.	249-02-02	7/31/2013	1 ml	7/7/2009	jacker
10000 UG/ML: Triacontane (C-30)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30046	TPH	Ultra SFL-601	CE-2042	7/31/2011	1.5 ML	7/30/2009	lkeene
500 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30101	DCM	Burdick and Jackso	CZ400	8/2/2010	200 L	8/3/2009	asmith
: Methylene chloride							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30402	DCM	Burdick and Jackso	CZ816	8/20/2010	200 L	8/20/2009	slukasiewicz
: Methylene chloride							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30755	DCM	Burdick and Jackso	CZ872	9/14/2010	400 L	9/14/2009	slukasiewicz
: Methylene chloride							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30959	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
31012	OTP	NSI W-1341H-02-0	W-1341H-02-10	11/30/2011	1.5 ML	9/30/2009	troberts
10000 UG/ML: o-Terphenyl Surrogate							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31013	OTP	NSI W-1341H-02-0	W-1341H-02-10	11/30/2011	1.5 ML	9/30/2009	troberts
10000 UG/ML: o-Terphenyl Surrogate							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31022	OTP	NSI W-1341H-02-0	W-1341H-02-10	11/30/2011	1.5 ML	9/30/2009	troberts
10000 UG/ML: o-Terphenyl Surrogate							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31024	OTP	NSI W-1341H-02-0	W-1341H-02-10	11/30/2011	1.5 ML	9/30/2009	troberts

10000 UG/ML: o-Terphenyl Surrogate

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31026	OTP	NSI W-1341H-02-0	W-1341H-02-10	11/30/2011	1.5 ML	9/30/2009	troberts

10000 UG/ML: o-Terphenyl Surrogate

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31039	C39_NSI	NSI	1339-20-01	4/30/2011	1 ML	9/30/2009	troberts

6000 UG/ML: Nonatriacontane (C-39)

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31416	DRO_CAL6			11/27/2009	1 ML	10/27/2009	lkeene

100 UG/ML: o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)
4000 UG/ML: 8015 Secondary Diesel Fuel #2

COMPOSED OF:

21462: 80 UL 29697: 20 UL 31013: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31417	DRO_CAL5			11/27/2009	5 ML	10/27/2009	lkeene

100 UG/ML: o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)
2000 UG/ML: 8015 Secondary Diesel Fuel #2

COMPOSED OF:

21462: 200 UL 29697: 100 UL 31013: 50 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31418	DRO_CAL4			11/27/2009	1 ML	10/27/2009	lkeene

100 UG/ML: Triacontane (C-30)
1000 UG/ML: 8015 Secondary Diesel Fuel #2
200 UG/ML: o-Terphenyl Surrogate

COMPOSED OF:

21462: 20 UL 29697: 10 UL 31013: 20 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31419	DRO_CAL3			11/27/2009	1 ML	10/27/2009	lkeene

100 UG/ML: o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)
500 UG/ML: 8015 Secondary Diesel Fuel #2

COMPOSED OF:

21462: 10 UL 29697: 20 UL 31013: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31420	DRO_CAL2			11/27/2009	1 ML	10/27/2009	lkeene

100 UG/ML: 8015 Secondary Diesel Fuel #2, o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)

COMPOSED OF:

21462: 2 UL 29697: 20 UL 31013: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31421	DRO_CAL1			11/27/2009	5 ML	10/27/2009	lkeene

100 UG/ML: o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)
25 UG/ML: 8015 Secondary Diesel Fuel #2

COMPOSED OF:

21462: 2.5 UL 29697: 100 UL 31013: 50 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31510	DRO_SECCCV			12/4/2009	5 ML	11/4/2009	troberts

100 UG/ML: o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)
2000 UG/ML: 8015 Diesel Fuel #2

COMPOSED OF:

21512: 200 UL 29700: 100 UL 31012: 50 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31736	C-30wkg_surr			12/20/2009	100 ML	11/20/2009	lkeene

200 UG/ML: Triacontane (C-30)

COMPOSED OF:

28746: 98000 UL 29692: 1000 UL 29693: 1000 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31798	DROwkg_spk			12/30/2009	50 ML	11/30/2009	troberts

UG/ML: Methylene chloride
1000 UG/ML: 8015 Diesel Fuel #2

COMPOSED OF:

21512: 1000 UL 30402: 50 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
31810	OTPwkg_surr			1/1/2010	200 ML	12/1/2009	troberts

UG/ML: Methylene chloride
100 UG/ML: o-Terphenyl Surrogate

COMPOSED OF:

30101: 99900 UL 31024: 1000 UL 31026: 1000 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32085	DRO_SECCCV			1/15/2010	1 ML	12/15/2009	lkeene

100 UG/ML: o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)
2000 UG/ML: 8015 Diesel Fuel #2

COMPOSED OF:

29031: 20 UL 30959: 40 UL 31024: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32088	PRO_CAL3			1/15/2010	5 ML	12/15/2009	troberts

UG/ML: Methylene chloride
100 UG/ML: TPH
50 UG/ML: o-Terphenyl Surrogate
75 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

30046: 1000 UL 30755: 5 ML 31024: 25 UL 31039: 62.5 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32150	DRO_CAL5			1/18/2010	5 ML	12/18/2009	troberts

100 UG/ML: o-Terphenyl Surrogate
200 UG/ML: Triacontane (C-30)
2000 UG/ML: 8015 Secondary Diesel Fuel #2

COMPOSED OF:

29613: 200 UL 29700: 100 UL 31022: 50 UL

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROCAL6.D
Lab Smp Id: 31416 Client Smp ID: DROCAL6
Inj Date : 03-NOV-2009 17:02
Operator : Inst ID: sfid01.i
Smp Info : 31416
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DRO.m
Meth Date : 19-Dec-2009 11:24 troberts Quant Type: ESTD
Cal Date : 03-NOV-2009 17:02 Cal File: DROCAL6.D
Als bottle: 93 Calibration Sample, Level: 6
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	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.777	6.963		136597672	4.00000	4.0(M)
$ 2 ortho-Terphenyl	4.673	4.686	-0.013	4226149	0.10000	0.12(M)
$ 4 Triacontane	7.263	7.326	-0.063	5737999	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROCAL6.D

Date : 03-NOV-2009 17:02

Client ID: DROCAL6

Instrument: sfid01.i

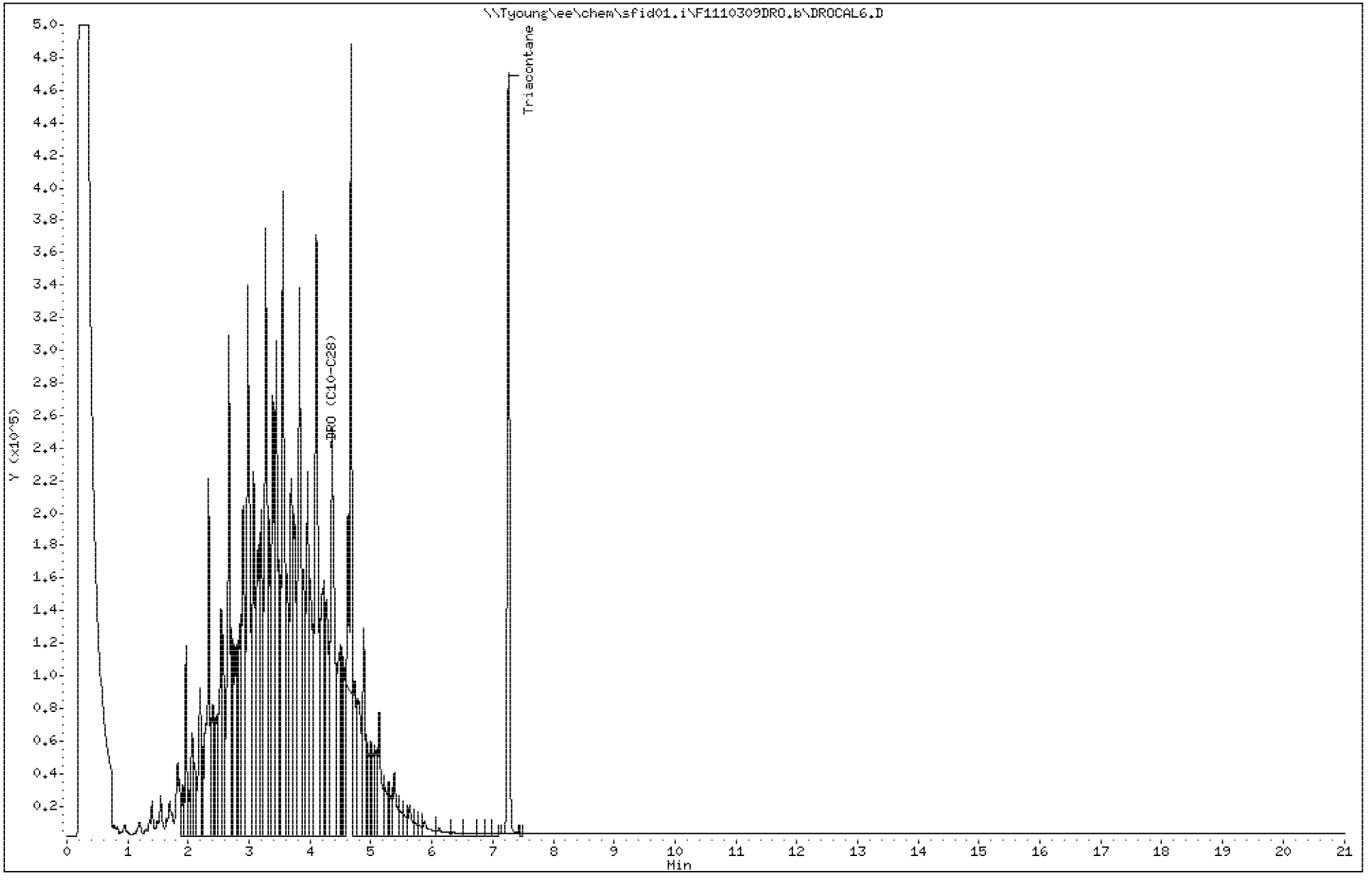
Sample Info: 31416

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROCAL4.D
Lab Smp Id: 31418 Client Smp ID: DROCAL4
Inj Date : 03-NOV-2009 17:58
Operator : Inst ID: sfid01.i
Smp Info : 31418
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DRO.m
Meth Date : 19-Dec-2009 11:24 troberts Quant Type: ESTD
Cal Date : 03-NOV-2009 17:58 Cal File: DROCAL4.D
Als bottle: 91 Calibration Sample, Level: 4
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	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.777	6.963		37261452	1.00000	1.0(M)
$ 2 ortho-Terphenyl	4.646	4.686	-0.040	3573713	0.10000	0.098(M)
$ 4 Triacontane	7.193	7.326	-0.133	5731170	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROCAL4.D

Date : 03-NOV-2009 17:58

Client ID: DROCAL4

Instrument: sfid01.i

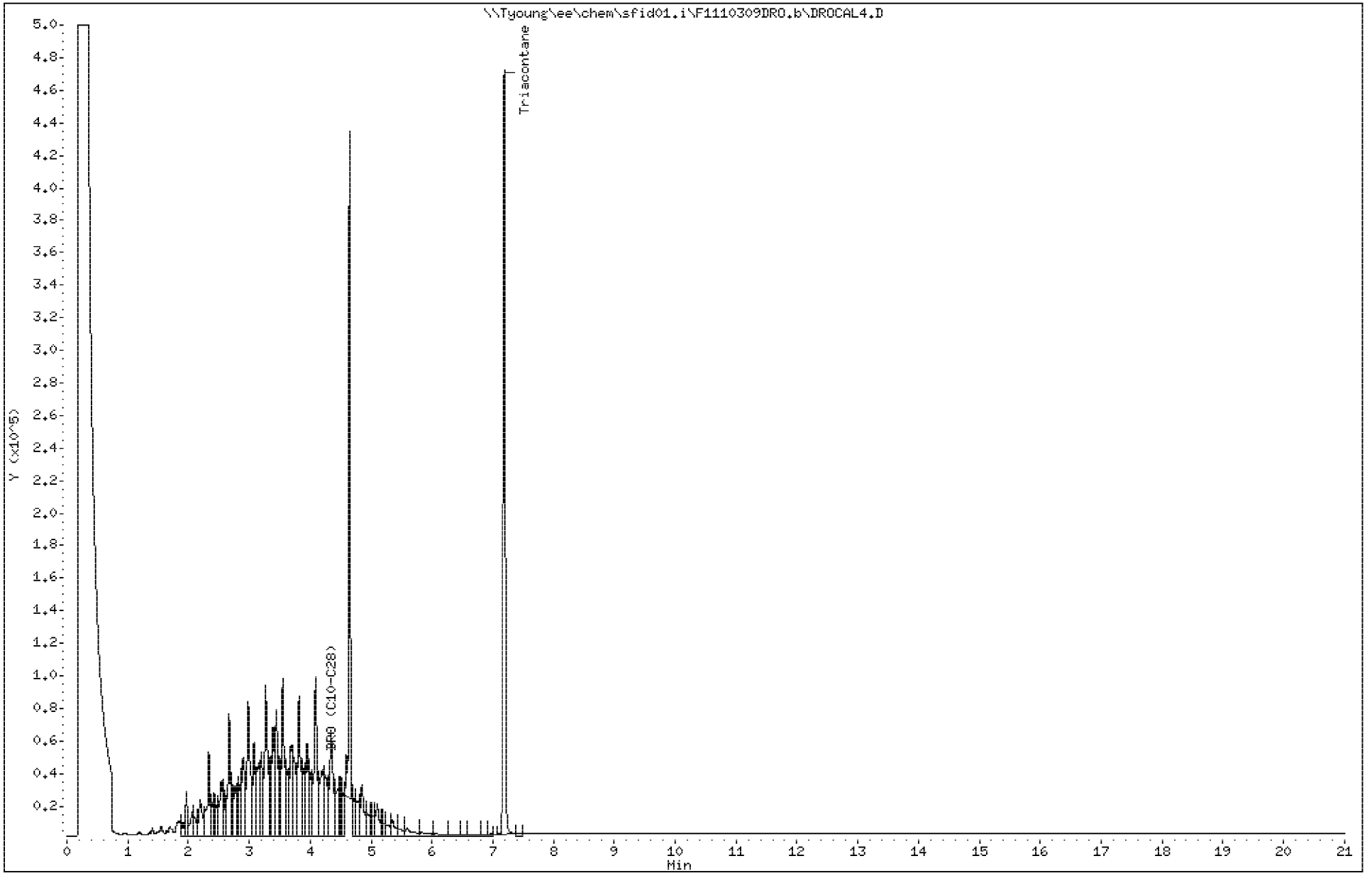
Sample Info: 31418

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROCAL3.D
Lab Smp Id: 31419 Client Smp ID: DROCAL3
Inj Date : 03-NOV-2009 18:25
Operator : Inst ID: sfid01.i
Smp Info : 31419
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DRO.m
Meth Date : 19-Dec-2009 11:24 troberts Quant Type: ESTD
Cal Date : 03-NOV-2009 18:25 Cal File: DROCAL3.D
Als bottle: 90 Calibration Sample, Level: 3
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	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.777	6.963		21369254	0.50000	0.58(M)
$ 2 ortho-Terphenyl	4.650	4.686	-0.036	3524291	0.10000	0.097(M)
$ 4 Triacontane	7.186	7.326	-0.140	5800230	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROCAL3.D

Date : 03-NOV-2009 18:25

Client ID: DROCAL3

Instrument: sfid01.i

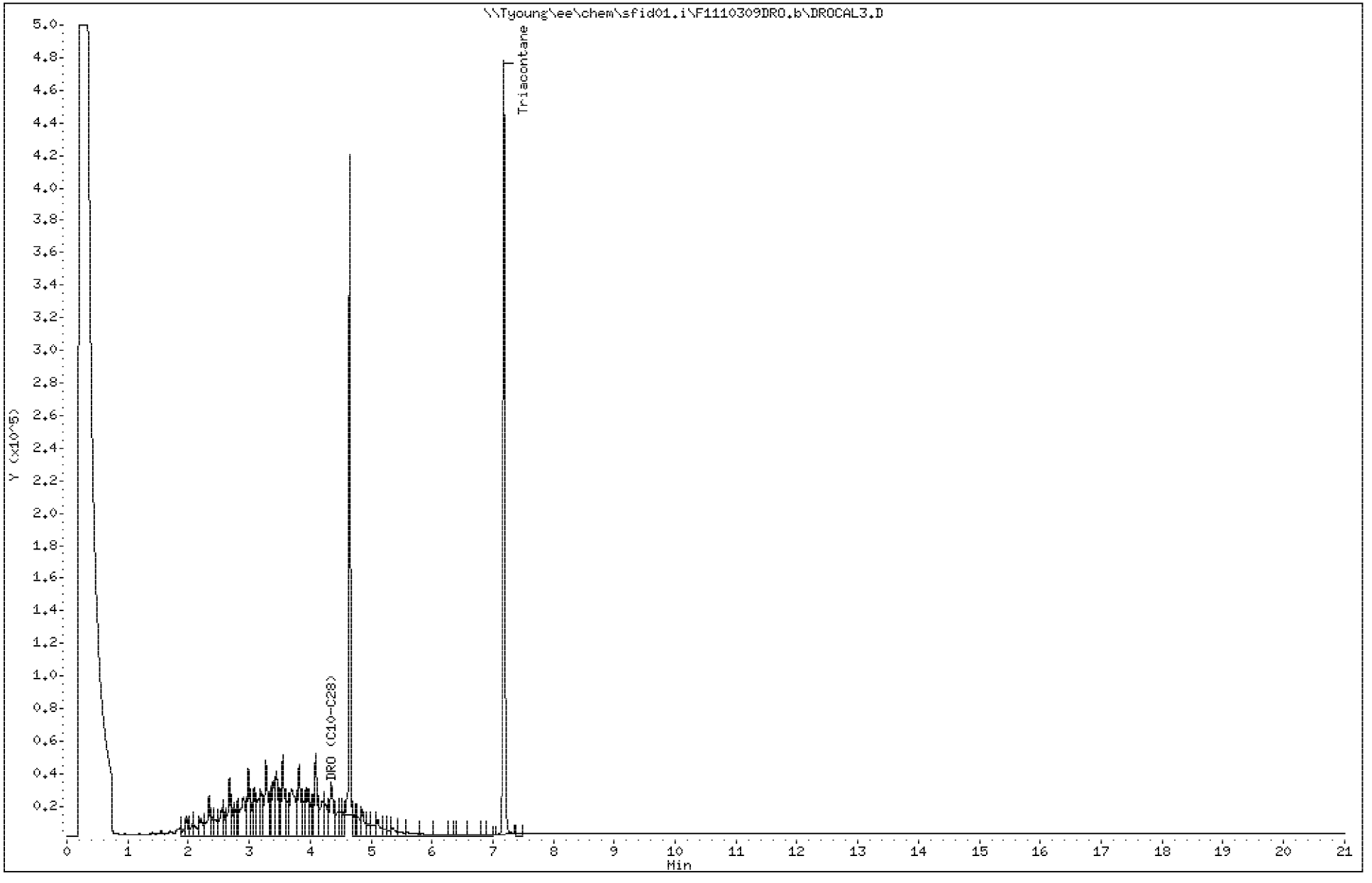
Sample Info: 31419

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROCAL2.D
Lab Smp Id: 31420 Client Smp ID: DROCAL2
Inj Date : 03-NOV-2009 18:53
Operator : Inst ID: sfid01.i
Smp Info : 31420
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DRO.m
Meth Date : 19-Dec-2009 11:24 troberts Quant Type: ESTD
Cal Date : 03-NOV-2009 18:53 Cal File: DROCAL2.D
Als bottle: 89 Calibration Sample, Level: 2
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	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.777	6.963		3421309	0.10000	0.049(M)
$ 2 ortho-Terphenyl	4.653	4.686	-0.033	3359405	0.10000	0.092(M)
$ 4 Triacontane	7.226	7.326	-0.100	5600129	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROCAL2.D

Date : 03-NOV-2009 18:53

Client ID: DROCAL2

Instrument: sfid01.i

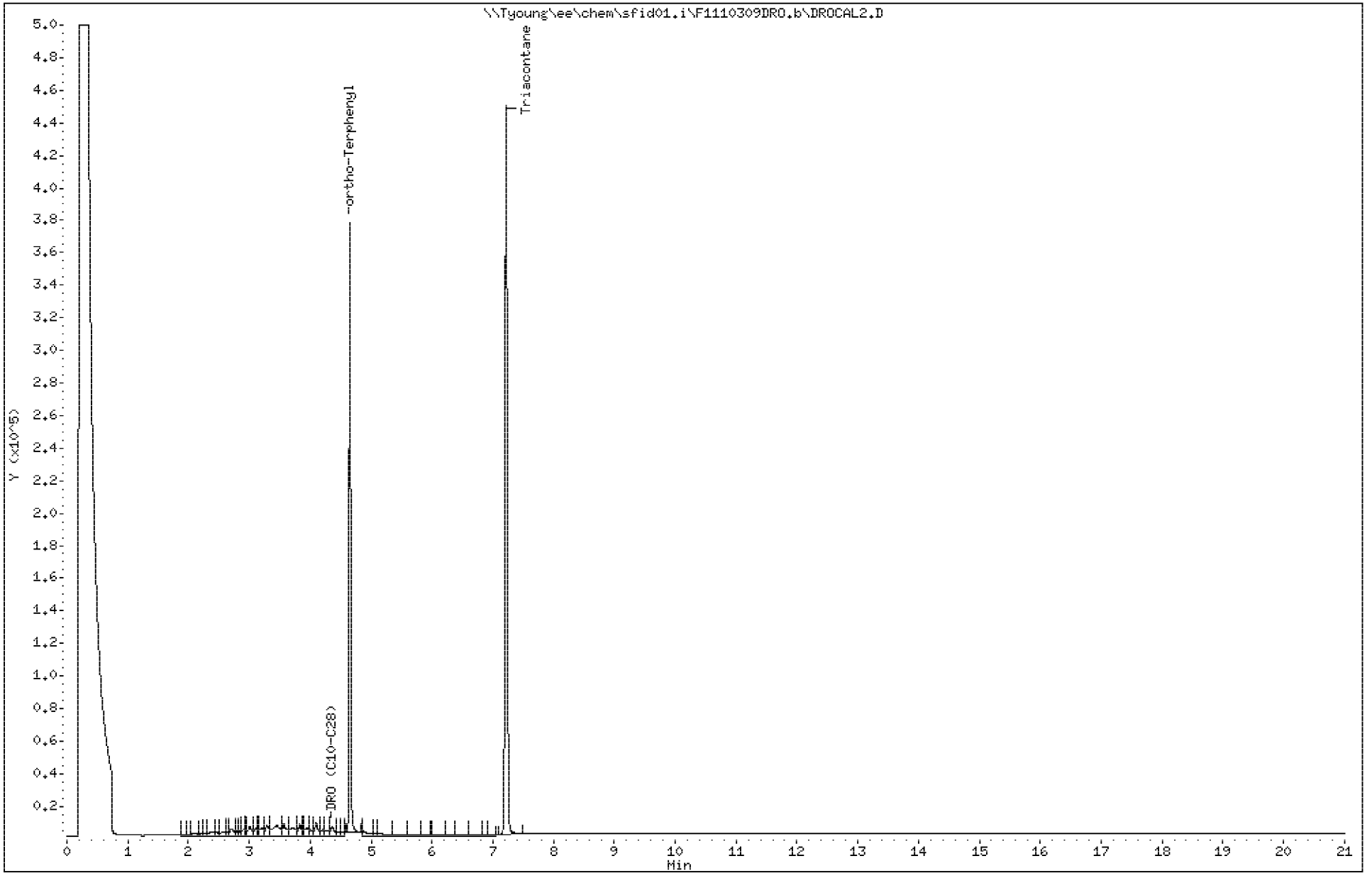
Sample Info: 31420

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROCAL1.D
Lab Smp Id: 31421 Client Smp ID: DROCAL1
Inj Date : 03-NOV-2009 19:21
Operator : Inst ID: sfid01.i
Smp Info : 31421
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DRO.m
Meth Date : 19-Dec-2009 11:24 troberts Quant Type: ESTD
Cal Date : 03-NOV-2009 19:21 Cal File: DROCAL1.D
Als bottle: 88 Calibration Sample, Level: 1
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	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.777	6.963		1322124	0.02500	(M)
$ 2 ortho-Terphenyl	4.646	4.686	-0.040	3318959	0.10000	0.091(M)
$ 4 Triacontane	7.190	7.326	-0.136	5692355	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROCAL1.D

Date : 03-NOV-2009 19:21

Client ID: DROCAL1

Instrument: sfid01.i

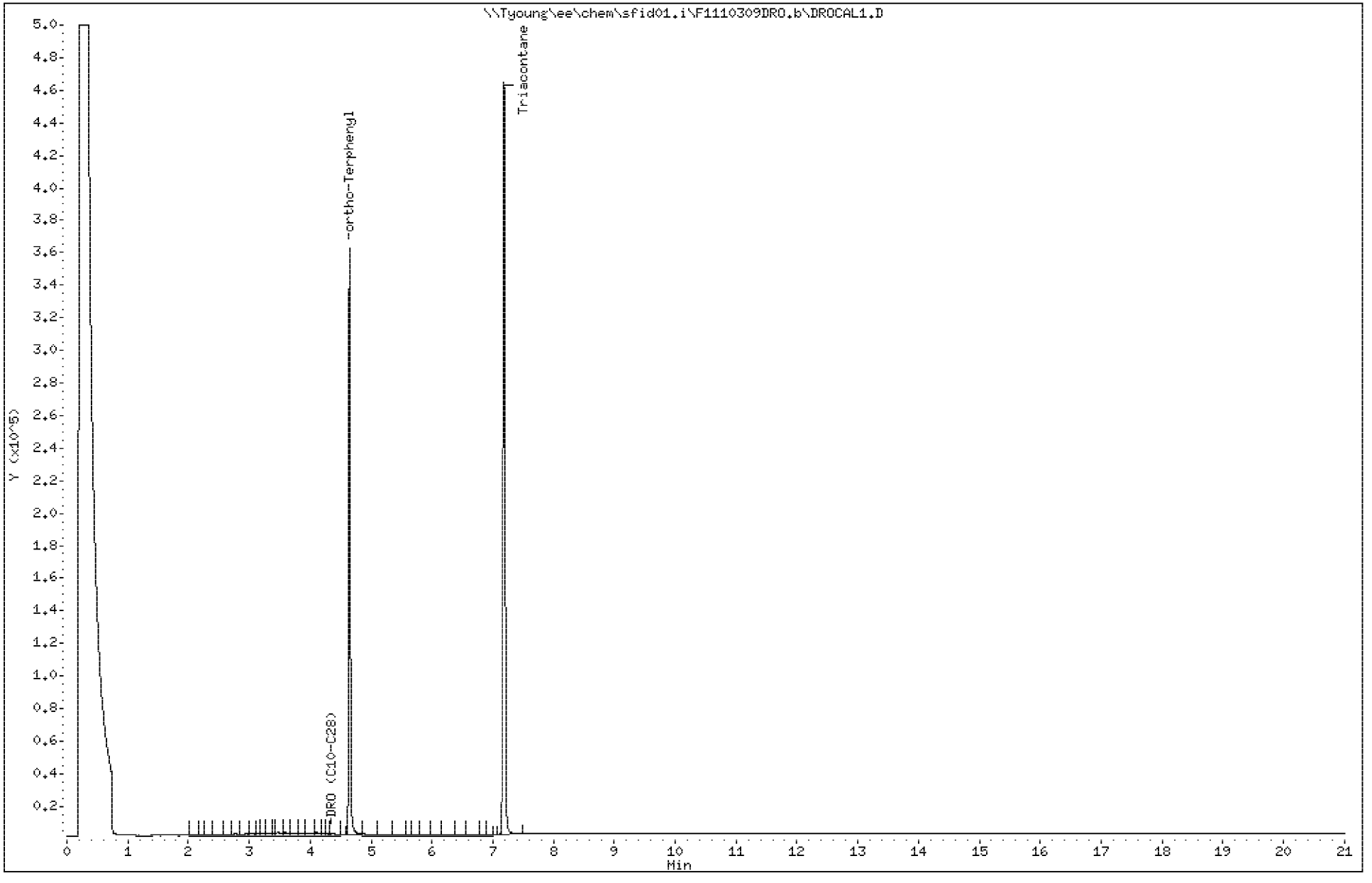
Sample Info: 31421

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROCAL5.D
Lab Smp Id: 31417 Client Smp ID: DROCAL5
Inj Date : 04-NOV-2009 13:16
Operator : Inst ID: sfid01.i
Smp Info : 31417
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DRO.m
Meth Date : 19-Dec-2009 11:24 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 98 Calibration Sample, Level: 5
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	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.777	6.963		68004607	2.00000	2.0(M)
$ 2 ortho-Terphenyl	4.663	4.686	-0.023	3765701	0.10000	0.10(M)
$ 4 Triacontane	7.260	7.326	-0.066	5735554	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROCAL5.D

Date : 04-NOV-2009 13:16

Client ID: DROCAL5

Instrument: sfid01.i

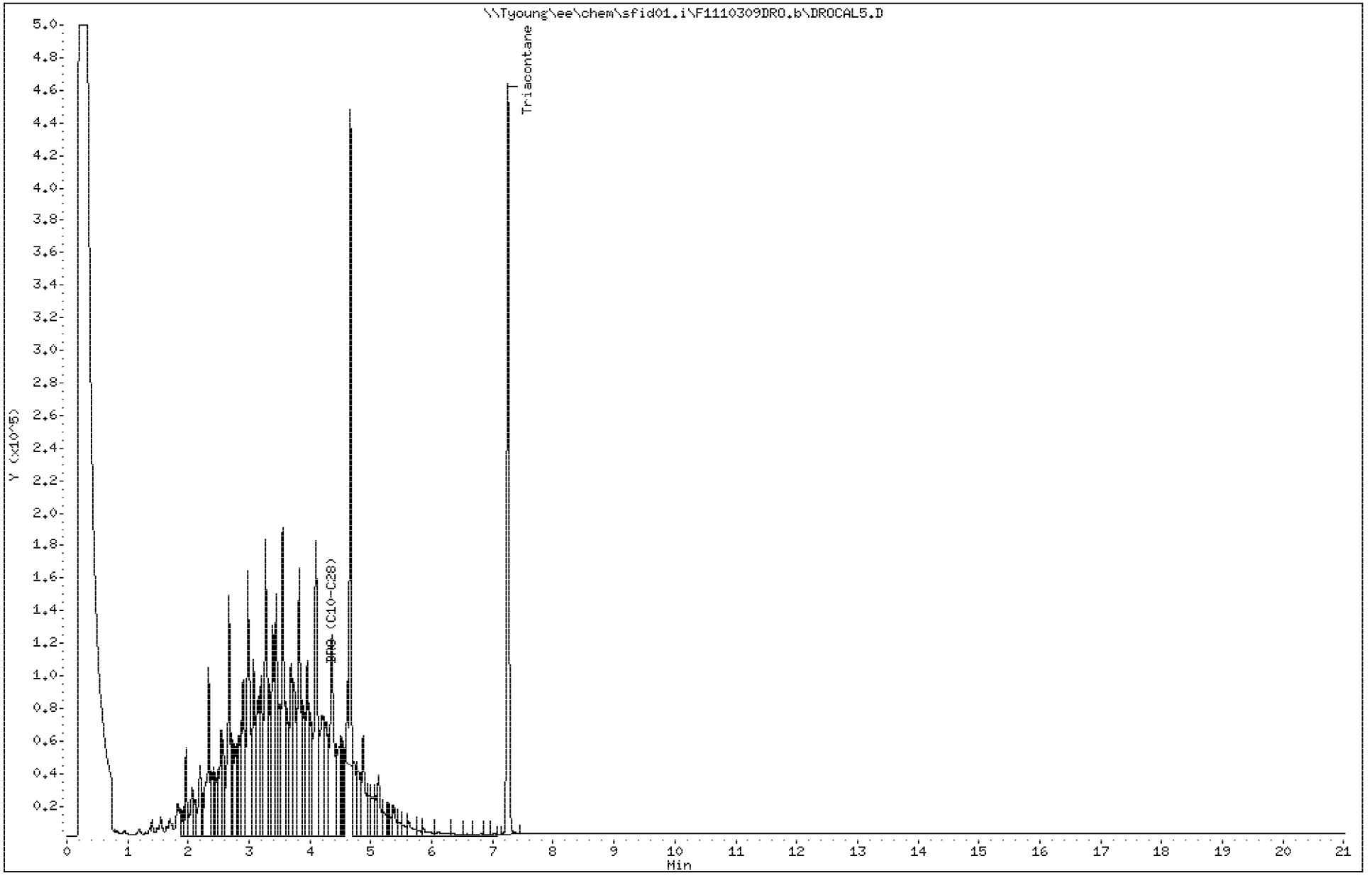
Sample Info: 31417

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROSECCV.D
Lab Smp Id: 31510 Client Smp ID: DROSECCV
Inj Date : 04-NOV-2009 13:44
Operator : Inst ID: sfid01.i
Smp Info : 31510
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DRO.m
Meth Date : 19-Dec-2009 11:24 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 97 Continuing Calibration Sample
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	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.777-6.963			62499518	2.00000	1.8(M)
$ 2 ortho-Terphenyl	4.686	4.686	0.000	3782879	0.10000	0.10(M)
$ 4 Triacontane	7.326	7.326	0.000	5723044	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1110309DRO.b\DROSECCV.D

Date : 04-NOV-2009 13:44

Client ID: DROSECCV

Instrument: sfid01.i

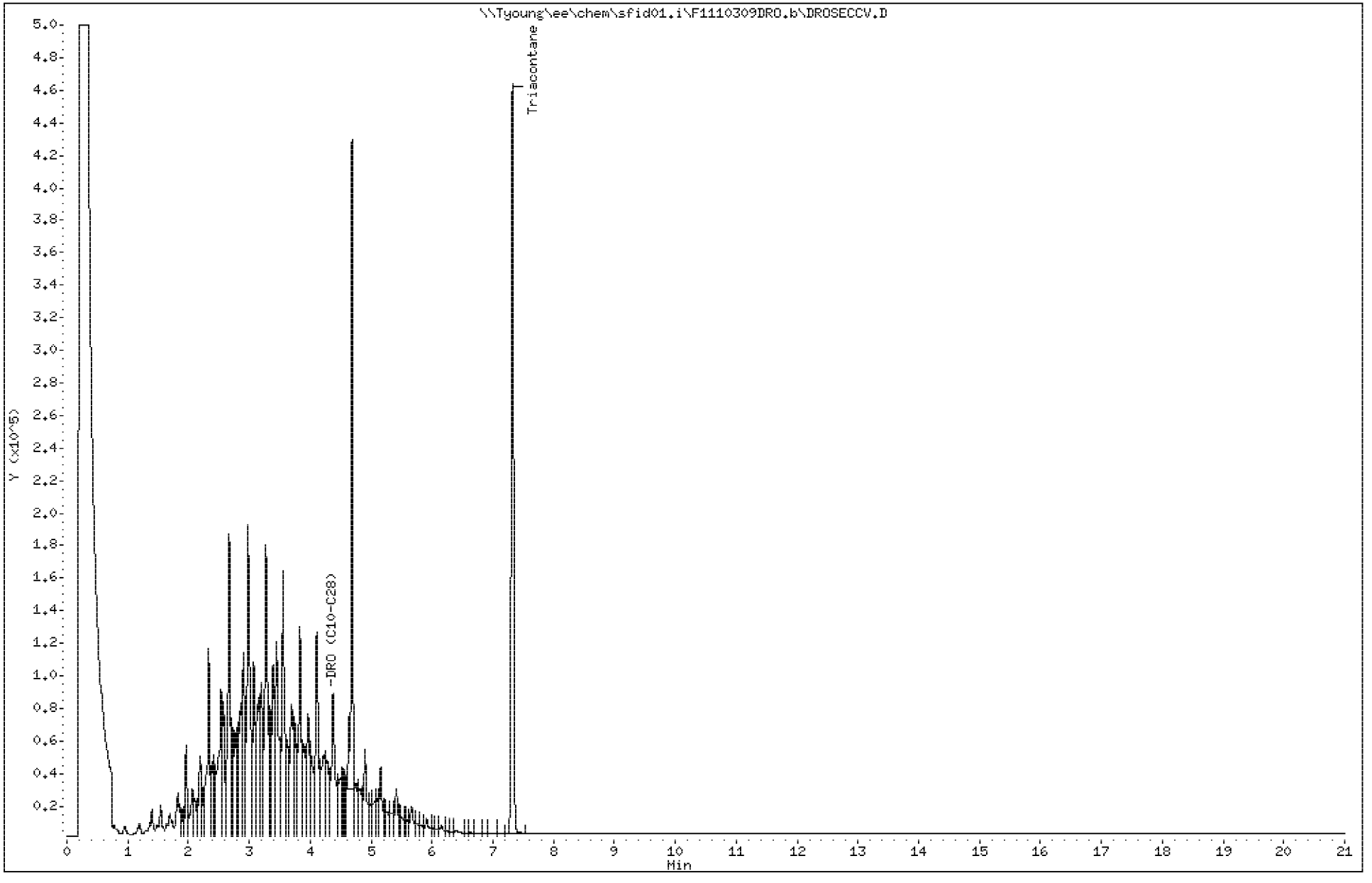
Sample Info: 31510

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1121509.b\DROCCV1.D
Lab Smp Id: 32085 Client Smp ID: DROCCV1
Inj Date : 16-DEC-2009 08:10
Operator : Inst ID: sfid01.i
Smp Info : 32085
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1121509.b\DRO.m
Meth Date : 17-Dec-2009 09:04 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 94 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

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	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.777	6.963		64963216	2.00000	1.9(M)
$ 2 ortho-Terphenyl	4.620	4.606	0.014	3314031	0.10000	0.091(M)
$ 4 Triacontane	7.110	7.050	0.060	5326657	0.20000	0.19(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1121509.b\DROCCV1.D

Date : 16-DEC-2009 08:10

Client ID: DROCCV1

Instrument: sfid01.i

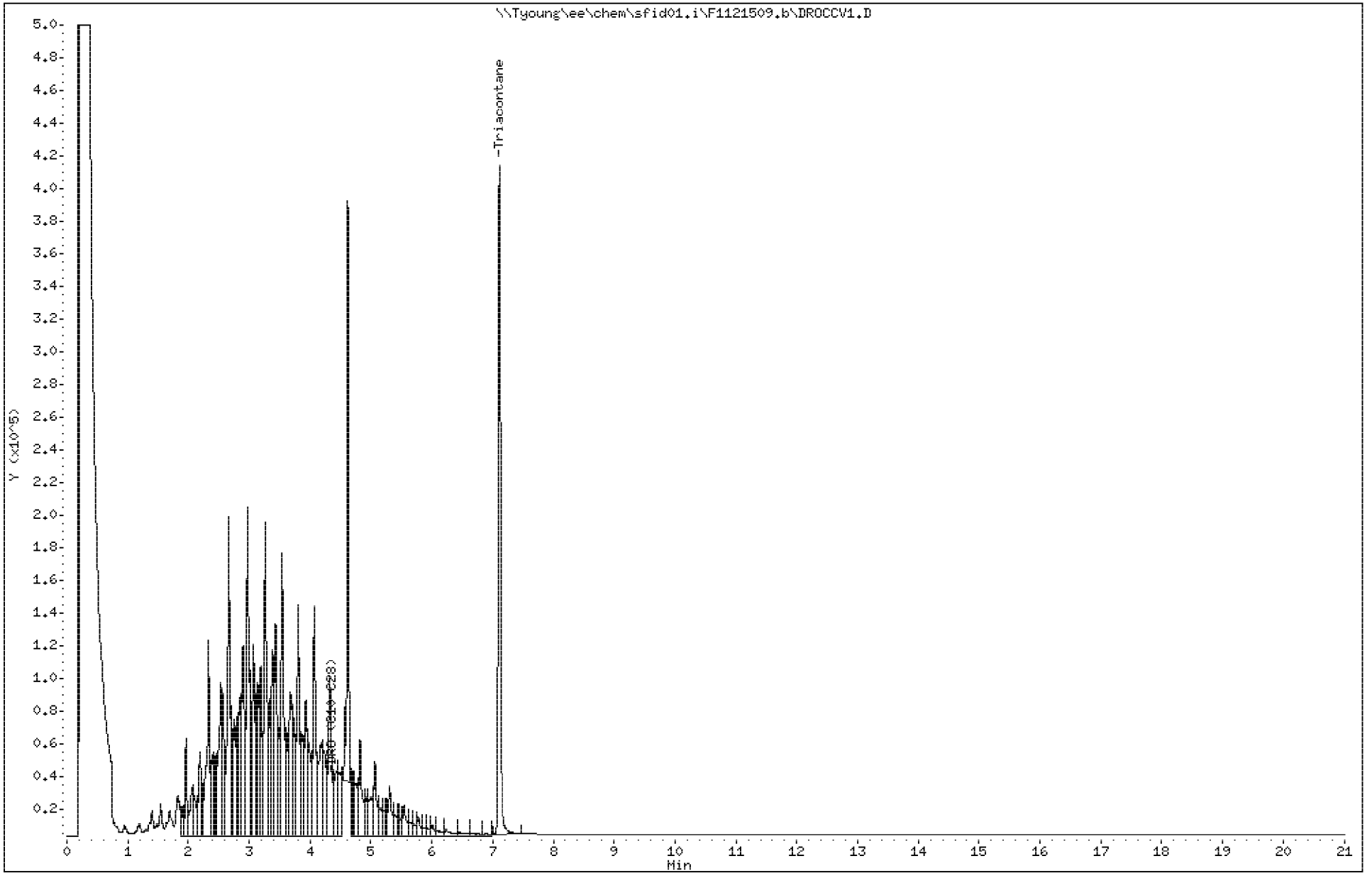
Sample Info: 32085

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1121509.b\7312BLK.D
Lab Smp Id: 296694 Client Smp ID: 7312BLK
Inj Date : 16-DEC-2009 08:38
Operator : Inst ID: sfid01.i
Smp Info : 296694
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1121509.b\DRO.m
Meth Date : 17-Dec-2009 09:04 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 31 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

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)	1.777	6.963		1266279		(M)
$ 2 ortho-Terphenyl	4.633	4.606	0.027	2411100	0.06646	0.066(M)
$ 4 Triacontane	7.123	7.050	0.073	3994325	0.13975	0.14(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1121509.b\7312BLK.D

Date : 16-DEC-2009 08:38

Client ID: 7312BLK

Instrument: sfid01.i

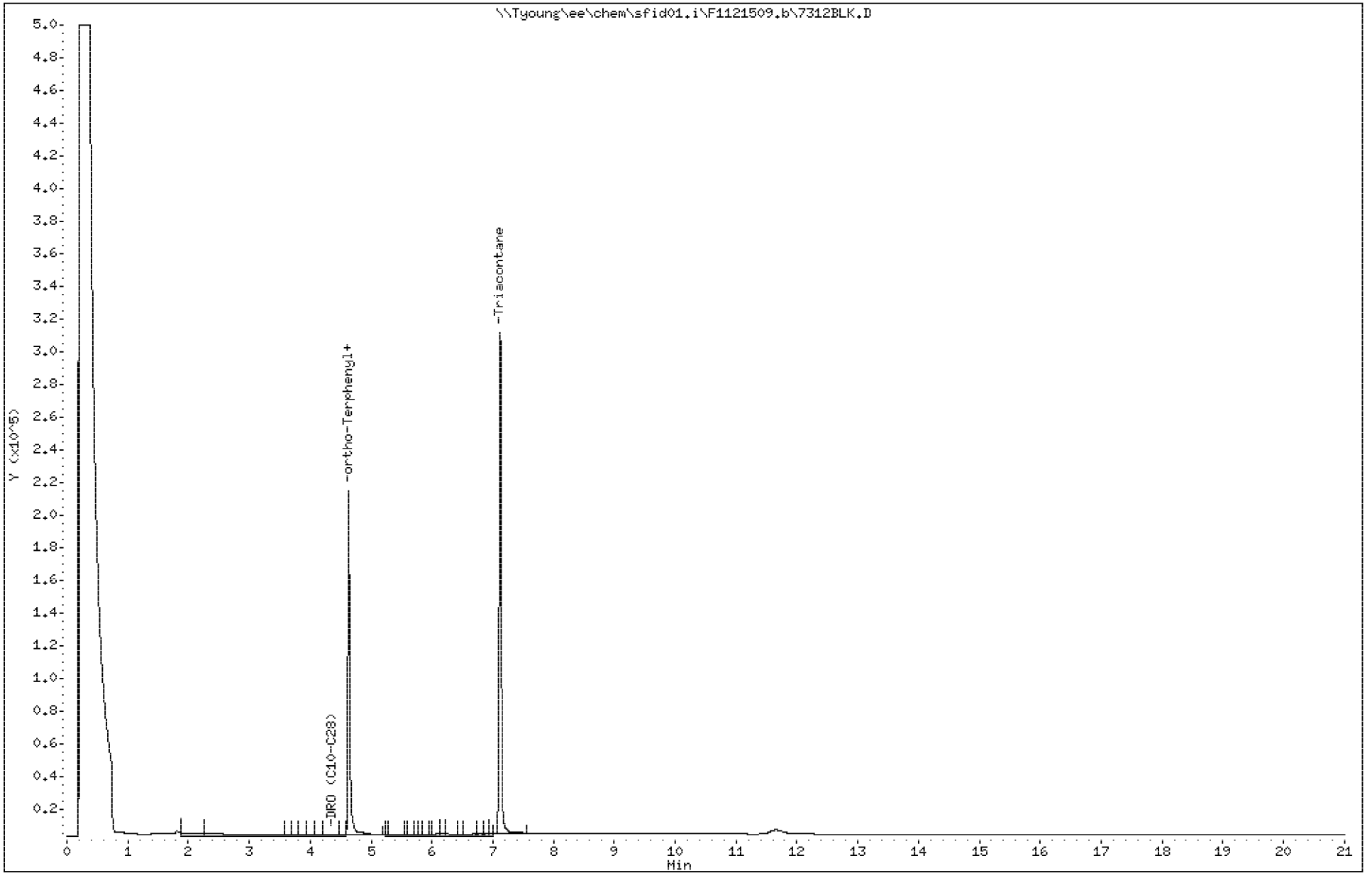
Sample Info: 296694

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1121509.b\7312LCS.D
Lab Smp Id: 296695 Client Smp ID: 7312LCS
Inj Date : 16-DEC-2009 09:06
Operator : Inst ID: sfid01.i
Smp Info : 296695
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1121509.b\DRO.m
Meth Date : 17-Dec-2009 09:04 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 32 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

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)	1.777	6.963		29688863	0.82734	0.83(M)
$ 2 ortho-Terphenyl	4.640	4.606	0.034	2997504	0.08262	0.083(M)
$ 4 Triacontane	7.173	7.050	0.123	4862548	0.17013	0.17(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1121509.b\7312LCS.D

Date : 16-DEC-2009 09:06

Client ID: 7312LCS

Instrument: sfid01.i

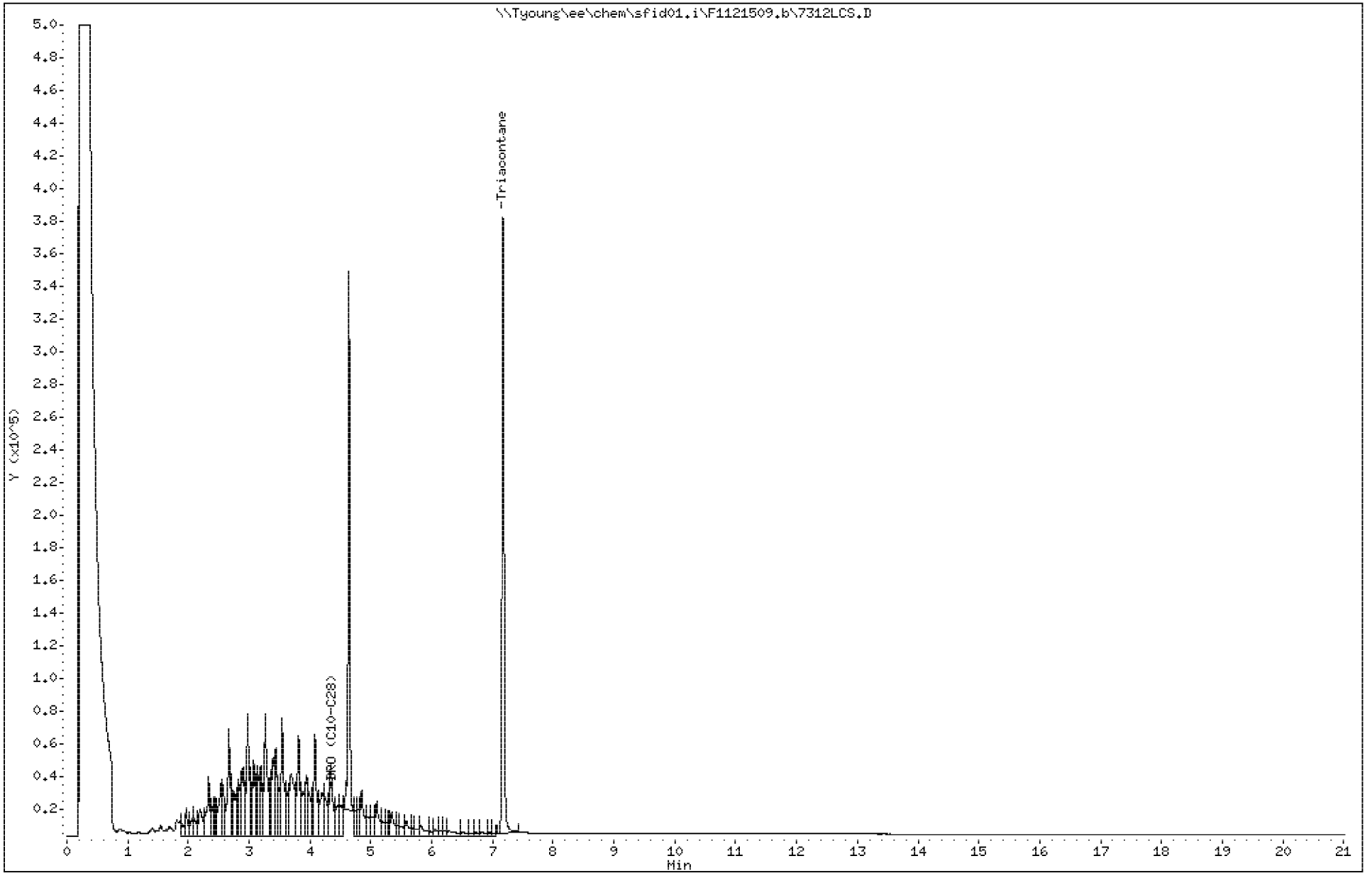
Sample Info: 296695

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1121509.b\463-2.D
Lab Smp Id: 251446302 Client Smp ID: ST106-GW-10625-1211
Inj Date : 16-DEC-2009 10:29
Operator : Inst ID: sfid01.i
Smp Info : 251446302
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1121509.b\DRO.m
Meth Date : 17-Dec-2009 09:04 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 35
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	985.000	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)	1.777	6.963		3762291	0.05946	0.060(M)
$ 2 ortho-Terphenyl	4.656	4.606	0.050	1874915	0.05168	0.052(RM)
$ 4 Triacontane	7.220	7.050	0.170	2940588	0.10289	0.10(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1121509.b\463-2.D

Date : 16-DEC-2009 10:29

Client ID: ST106-GW-10625-1211

Instrument: sfid01.i

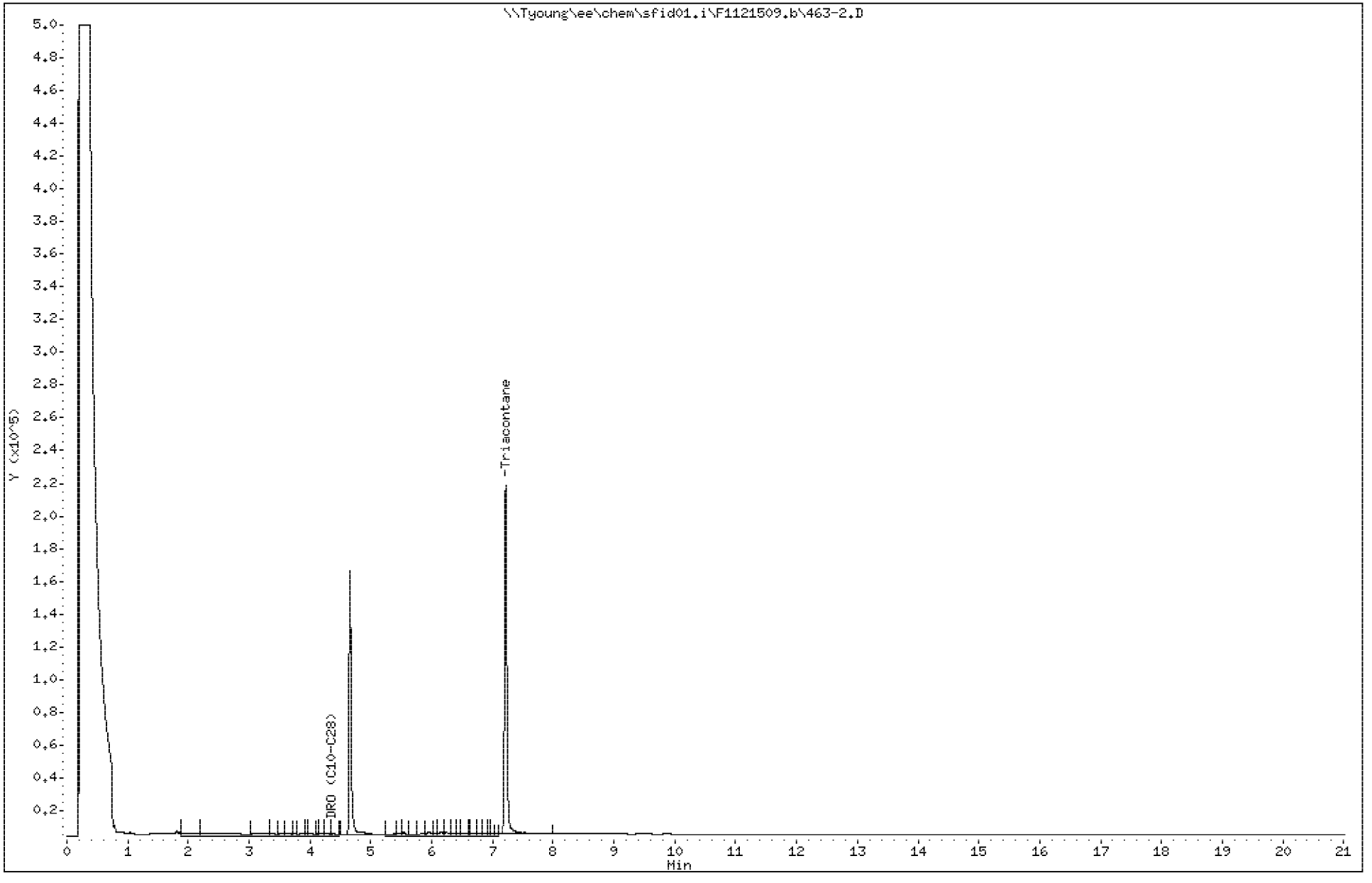
Sample Info: 251446302

Volume Injected (uL): 985.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1121509.b\DROCCV2.D
Lab Smp Id: 32085 Client Smp ID: DROCCV2
Inj Date : 16-DEC-2009 13:16
Operator : Inst ID: sfid01.i
Smp Info : 32085
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1121509.b\DRO.m
Meth Date : 17-Dec-2009 09:04 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 94 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

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	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.777	6.963		65518155	2.00000	1.9(M)
$ 2 ortho-Terphenyl	4.663	4.606	0.057	3393422	0.10000	0.094(M)
$ 4 Triacontane	7.256	7.050	0.206	5369735	0.20000	0.19(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1121509.b\DROCCV2.D

Date : 16-DEC-2009 13:16

Client ID: DROCCV2

Instrument: sfid01.i

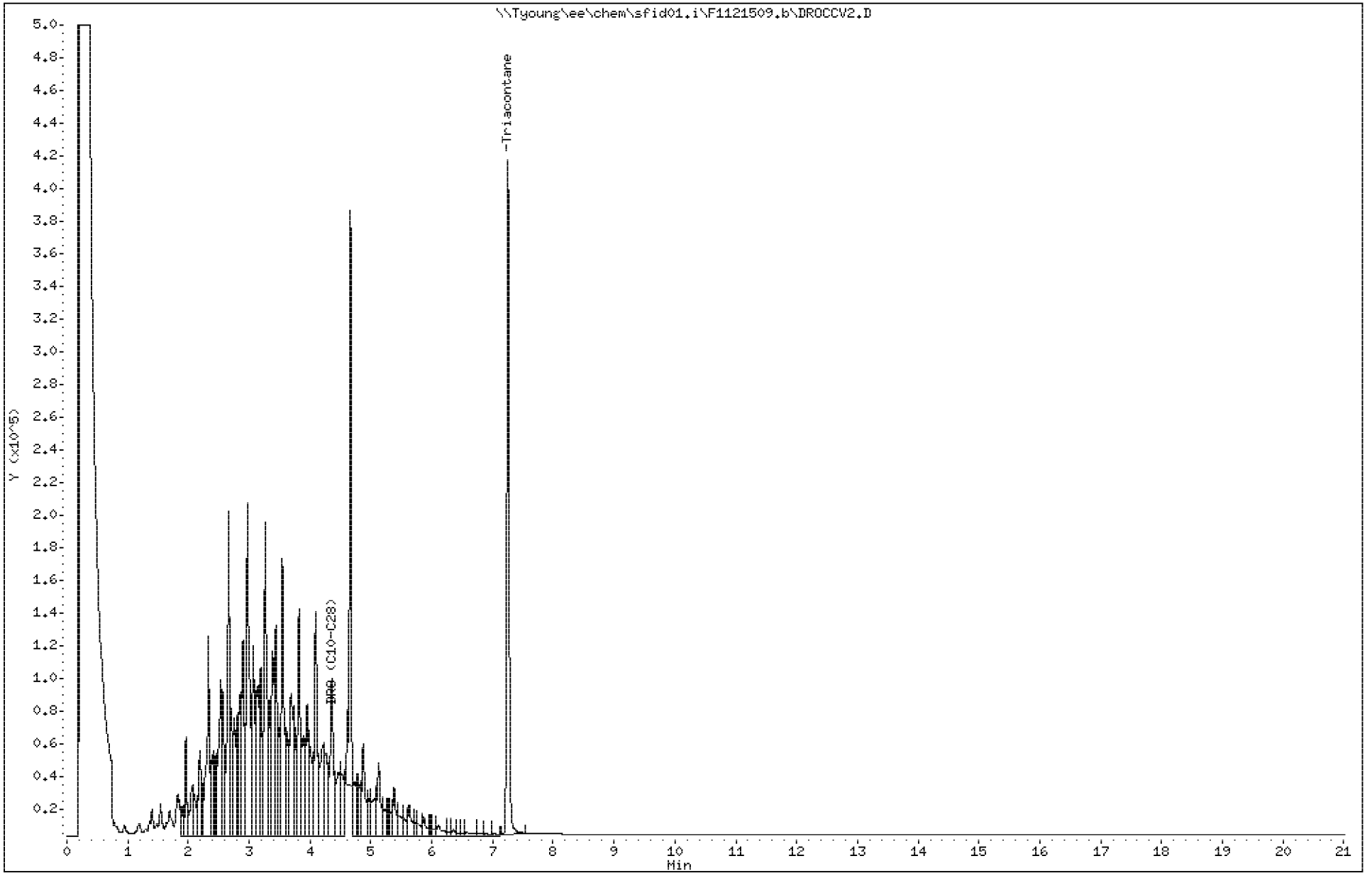
Sample Info: 32085

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1121809.b\DROCCV2.D
Lab Smp Id: 32085 Client Smp ID: DROCCV2
Inj Date : 18-DEC-2009 15:46
Operator : Inst ID: sfid01.i
Smp Info : 32085
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1121809.b\DRO.m
Meth Date : 19-Dec-2009 10:41 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 98 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)	1.777	6.963		70290213	2.00000	2.0(M)
$ 2 ortho-Terphenyl	4.663	4.626	0.037	3622499	0.10000	0.100(M)
$ 4 Triacontane	7.240	7.120	0.120	5762277	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1121809.b\DROCCV2.D

Date : 18-DEC-2009 15:46

Client ID: DROCCV2

Instrument: sfid01.i

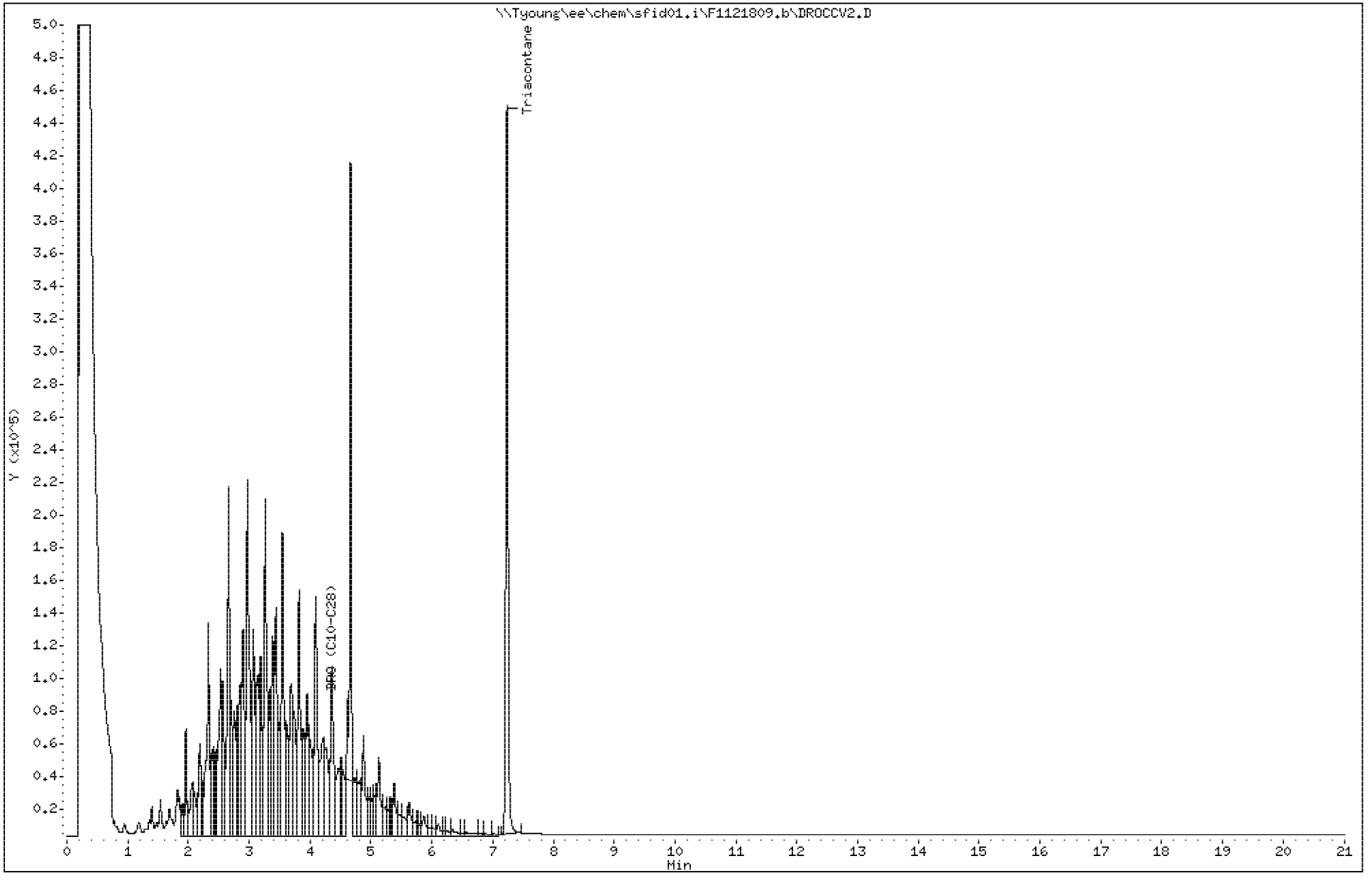
Sample Info: 32085

Volume Injected (uL): 2.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1121809.b\7338BLK.D
Lab Smp Id: 297088 Client Smp ID: 7338BLK
Inj Date : 18-DEC-2009 18:06
Operator : Inst ID: sfid01.i
Smp Info : 297088
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1121809.b\DRO.m
Meth Date : 19-Dec-2009 10:41 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

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)	1.777	6.963		2207572	0.01341	0.013(M)
$ 2 ortho-Terphenyl	4.660	4.626	0.034	3002099	0.08275	0.083(M)
$ 4 Triacontane	7.233	7.120	0.113	4870103	0.17040	0.17(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1121809.b\7338BLK.D

Date : 18-DEC-2009 18:06

Client ID: 7338BLK

Instrument: sfid01.i

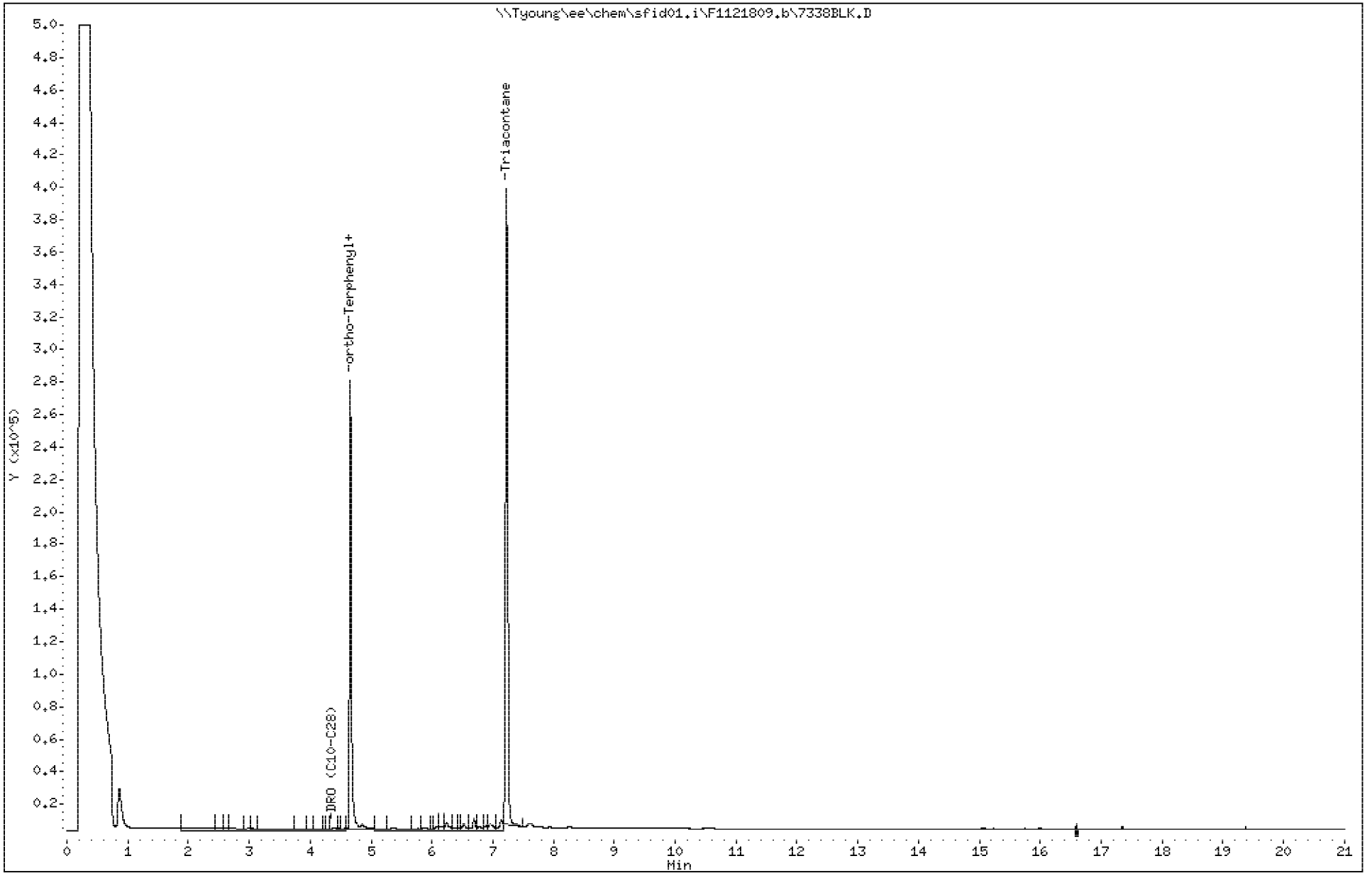
Sample Info: 297088

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1121809.b\7338LCS.D
Lab Smp Id: 297089 Client Smp ID: 7338LCS
Inj Date : 18-DEC-2009 18:34
Operator : Inst ID: sfid01.i
Smp Info : 297089
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1121809.b\DRO.m
Meth Date : 19-Dec-2009 10:41 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 8 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)	1.777	6.963		20928527	0.56788	0.57(M)
$ 2 ortho-Terphenyl	4.626	4.626	0.000	1862067	0.05132	0.051(RM)
$ 4 Triacontane	7.123	7.120	0.003	3549913	0.12420	0.12(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1121809.b\7338LCS.D

Date : 18-DEC-2009 18:34

Client ID: 7338LCS

Instrument: sfid01.i

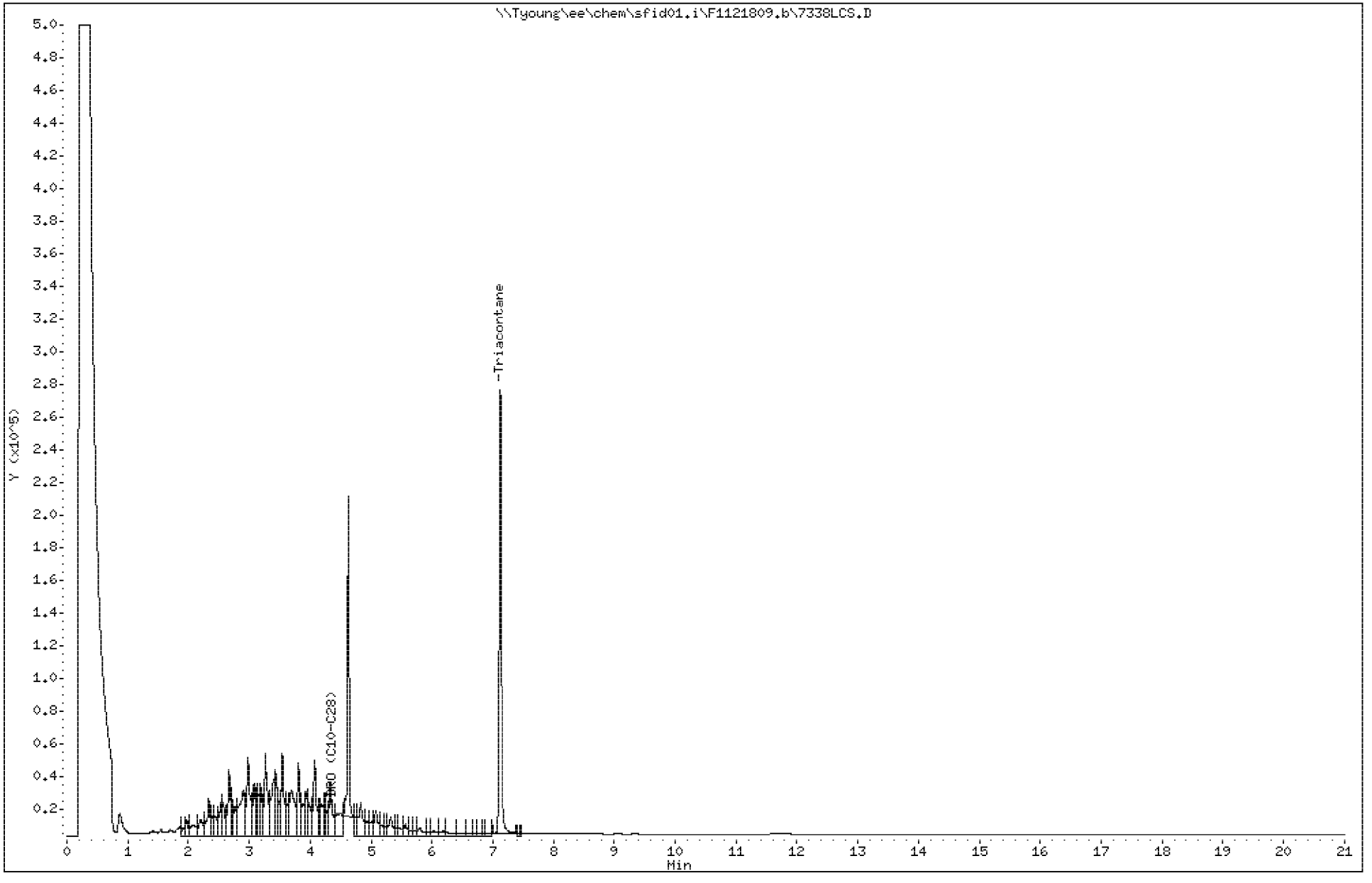
Sample Info: 297089

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1121809.b\7338LCSD.D
Lab Smp Id: 297090 Client Smp ID: 7338LCSD
Inj Date : 18-DEC-2009 19:02
Operator : Inst ID: sfid01.i
Smp Info : 297090
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1121809.b\DRO.m
Meth Date : 19-Dec-2009 10:41 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 9 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

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)	1.777	6.963		29287012	0.81544	0.82(M)
$ 2 ortho-Terphenyl	4.616	4.626	-0.010	2957152	0.08151	0.082(M)
$ 4 Triacontane	7.090	7.120	-0.030	4922079	0.17221	0.17(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1121809.b\7338LCSD.D

Date : 18-DEC-2009 19:02

Client ID: 7338LCSD

Instrument: sfid01.i

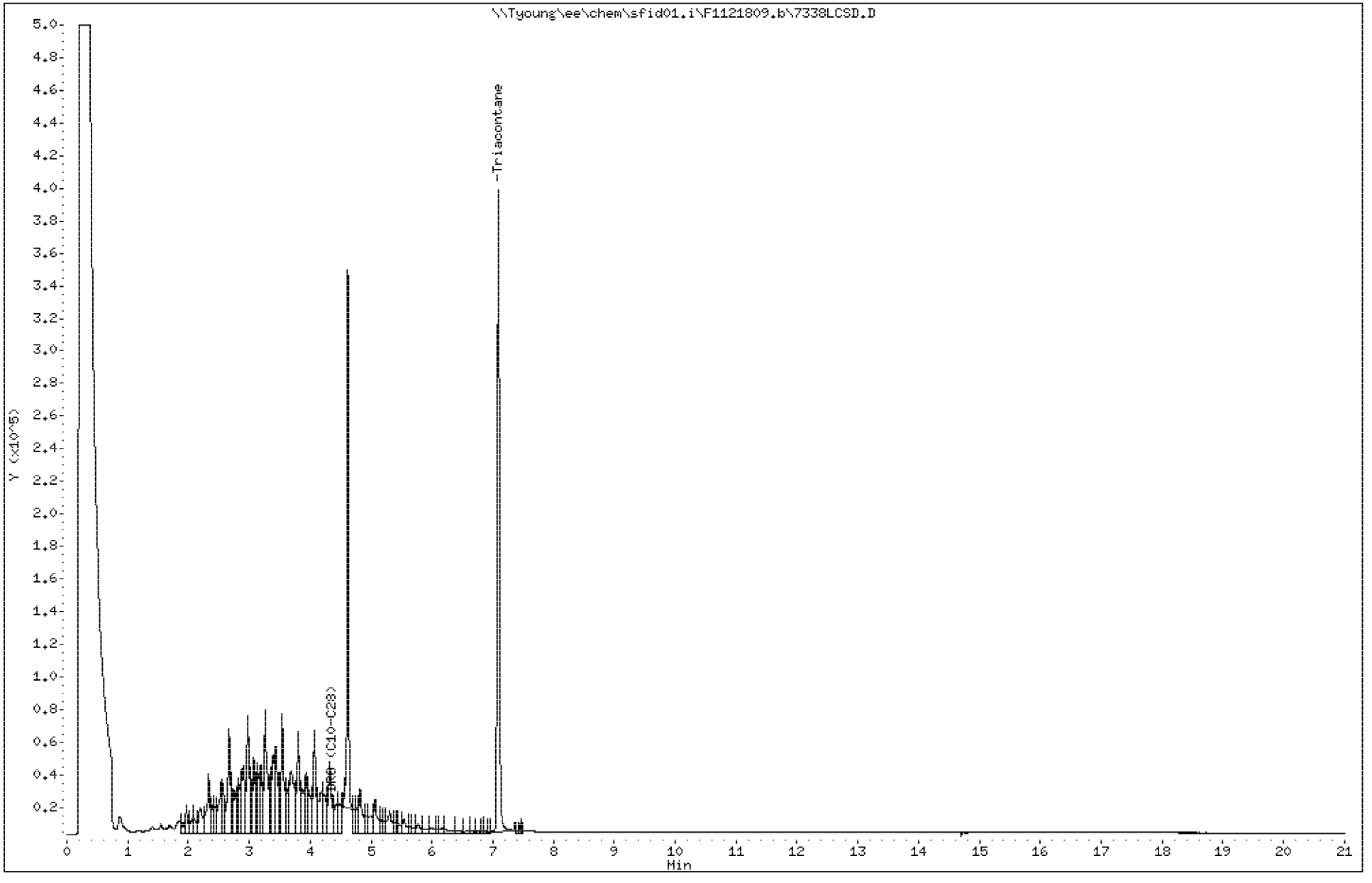
Sample Info: 297090

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1121809.b\463-2RE1.D
Lab Smp Id: 251446302 Client Smp ID: ST106-GW-10625-1211
Inj Date : 18-DEC-2009 19:29
Operator : Inst ID: sfid01.i
Smp Info : 251446302
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1121809.b\DRO.m
Meth Date : 19-Dec-2009 10:41 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

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)	1.777	6.963		4216630	0.07292	0.075(M)
$ 2 ortho-Terphenyl	4.620	4.626	-0.006	2419539	0.06669	0.069(M)
$ 4 Triacontane	7.093	7.120	-0.027	4216630	0.14753	0.15(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1121809.b\463-2RE1.D

Date : 18-DEC-2009 19:29

Client ID: ST106-GW-10625-1211

Instrument: sfid01.i

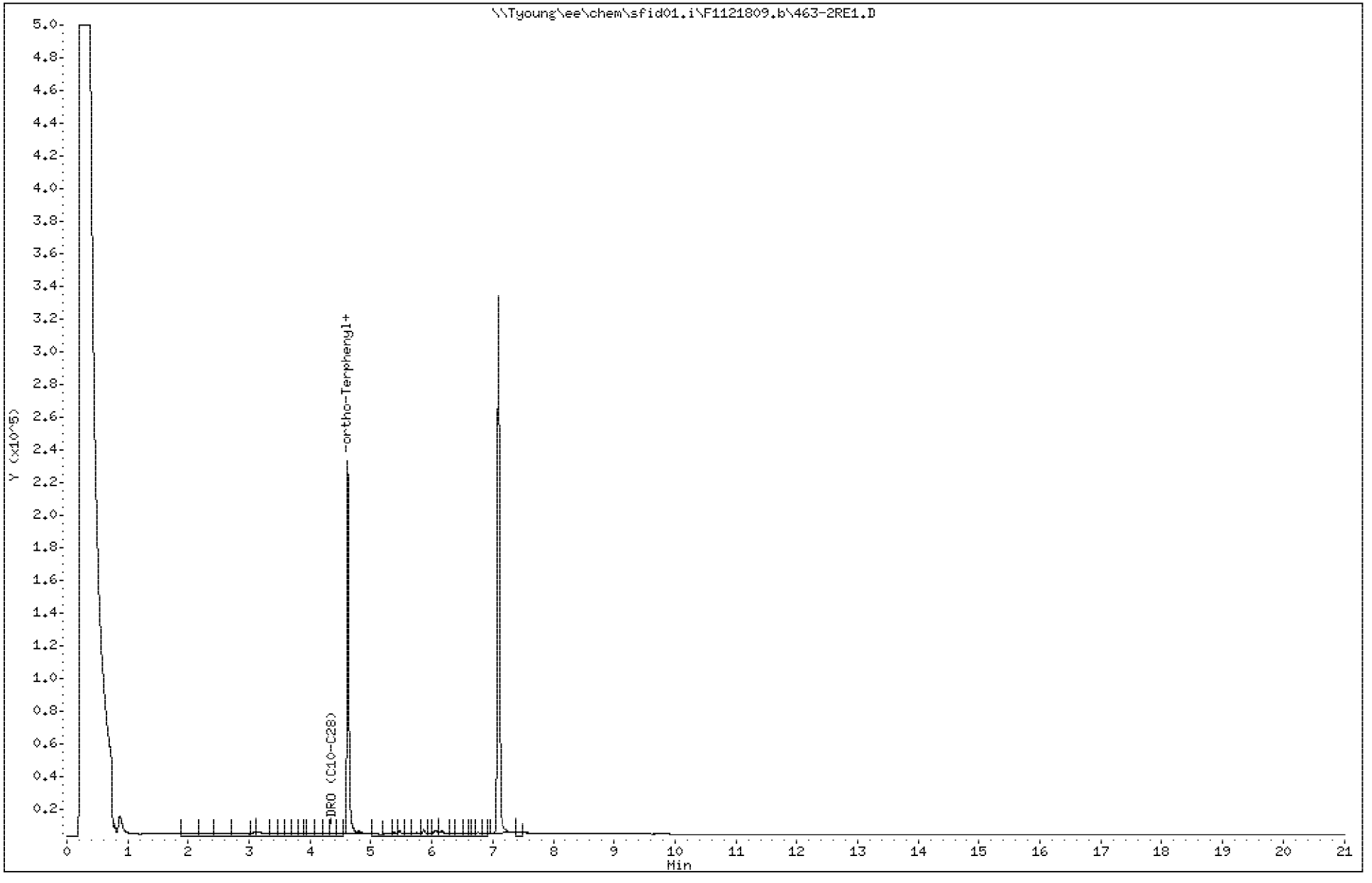
Sample Info: 251446302

Volume Injected (uL): 970.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1121809.b\DROCCV3.D
Lab Smp Id: 32150 Client Smp ID: DROCCV3
Inj Date : 18-DEC-2009 19:57
Operator : Inst ID: sfid01.i
Smp Info : 32150
Misc Info :
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1121809.b\DRO.m
Meth Date : 19-Dec-2009 10:41 troberts Quant Type: ESTD
Cal Date : 04-NOV-2009 13:16 Cal File: DROCAL5.D
Als bottle: 94 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: WCHEM1

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	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 DRO (C10-C28)	1.777	6.963		74032625	2.00000	2.1(M)
$ 2 ortho-Terphenyl	4.626	4.626	0.000	3907479	0.10000	0.11(M)
$ 4 Triacontane	7.120	7.120	0.000	5982718	0.20000	0.21(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1121809.b\DROCCV3.D

Date : 18-DEC-2009 19:57

Client ID: DROCCV3

Instrument: sfid01.i

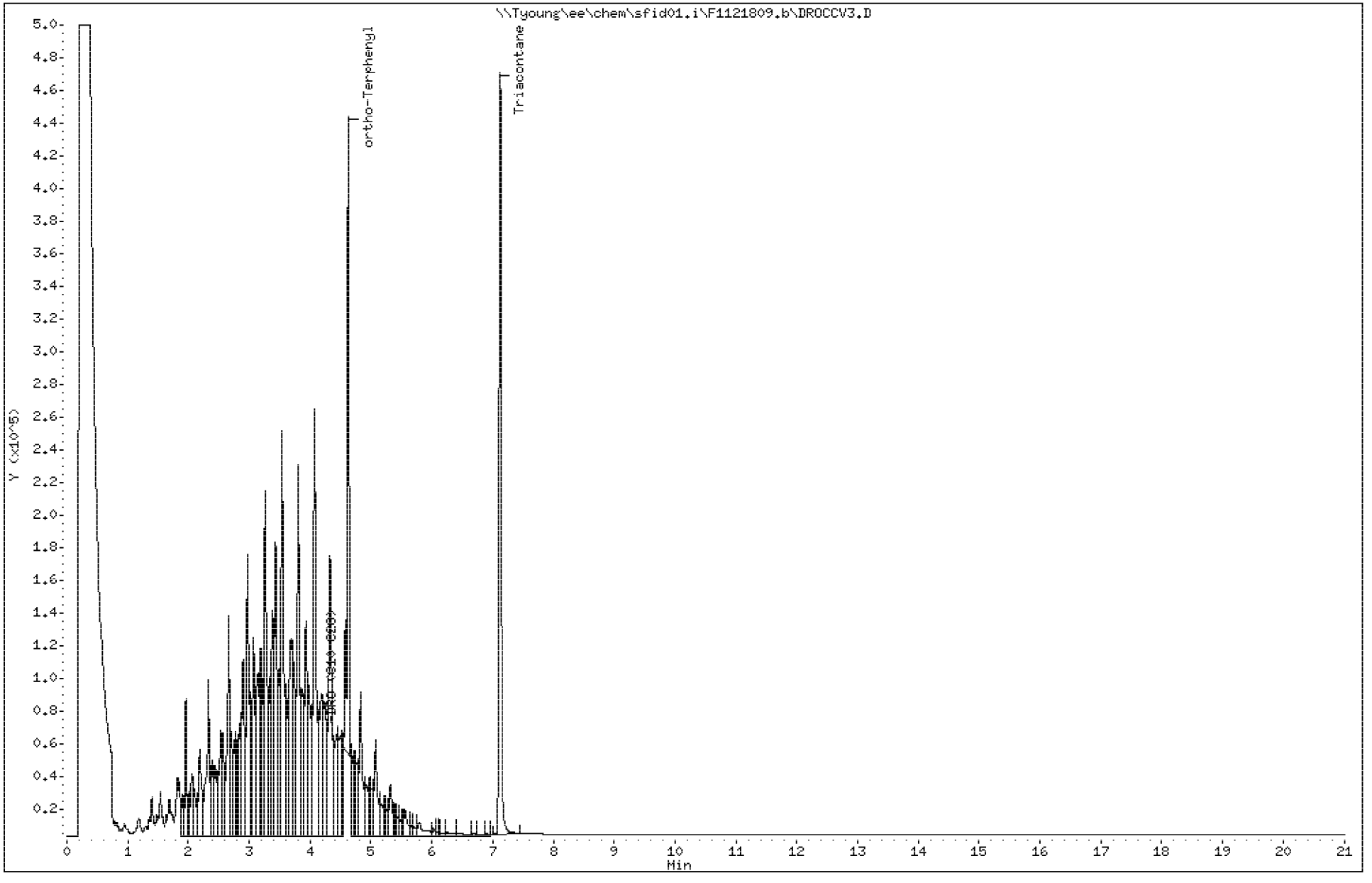
Sample Info: 32150

Volume Injected (uL): 1000.0

Operator:

Column phase: RTX-5

Column diameter: 0.53



Raw Data Method 8011

SEQUENCE CHECK

SDG: 2514463 **Method:** 8011

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
STD792622	296785	SECD0412/19/09-2011~E4121909	EDBCAL6.D	E4121909	1	SECD04	12/19/09 17:30	1
STD792623	296785	SECD0412/19/09-2011~E4121909	EDBCAL6.D	E4121909	2	SECD04	12/19/09 17:30	1
STD792624	296786	SECD0412/19/09-2011~E4121909	EDBCAL5.D	E4121909	1	SECD04	12/19/09 18:02	1
STD792625	296786	SECD0412/19/09-2011~E4121909	EDBCAL5.D	E4121909	2	SECD04	12/19/09 18:02	1
STD792626	296787	SECD0412/19/09-2011~E4121909	EDBCAL4.D	E4121909	1	SECD04	12/19/09 18:35	1
STD792627	296787	SECD0412/19/09-2011~E4121909	EDBCAL4.D	E4121909	2	SECD04	12/19/09 18:35	1
STD792630	296788	SECD0412/19/09-2011~E4121909	EDBCAL3.D	E4121909	1	SECD04	12/19/09 19:07	1
STD792631	296788	SECD0412/19/09-2011~E4121909	EDBCAL3.D	E4121909	2	SECD04	12/19/09 19:07	1
STD792632	296789	SECD0412/19/09-2011~E4121909	EDBCAL2.D	E4121909	1	SECD04	12/19/09 19:39	1
STD792633	296789	SECD0412/19/09-2011~E4121909	EDBCAL2.D	E4121909	2	SECD04	12/19/09 19:39	1
STD792634	296790	SECD0412/19/09-2011~E4121909	EDBCAL1.D	E4121909	1	SECD04	12/19/09 20:11	1
STD792635	296790	SECD0412/19/09-2011~E4121909	EDBCAL1.D	E4121909	2	SECD04	12/19/09 20:11	1
SSC792662	NEW SEC	SECD0412/19/09-2011~E4121909	EDBSEC.D	E4121909	1	SECD04	12/19/09 20:43	1
SSC792663	NEW SEC	SECD0412/19/09-2011~E4121909	EDBSEC.D	E4121909	2	SECD04	12/19/09 20:43	1
CCV793147	296787	SECD0412/19/09-2011~E4121909	EDBCCV1.D	E4122109	1	SECD04	12/21/09 19:12	1
CCV793148	296787	SECD0412/19/09-2011~E4121909	EDBCCV1.D	E4122109	2	SECD04	12/21/09 19:12	1
7316BLK	296792	SECD0412/19/09-2011~E4121909	7316BLK.D	E4122109	1	SECD04	12/21/09 19:44	1
7316BLK	296792	SECD0412/19/09-2011~E4121909	7316BLK.D	E4122109	2	SECD04	12/21/09 19:44	1
7316LCS	296793	SECD0412/19/09-2011~E4121909	7316LCS.D	E4122109	1	SECD04	12/21/09 20:17	1
7316LCS	296793	SECD0412/19/09-2011~E4121909	7316LCS.D	E4122109	2	SECD04	12/21/09 20:17	1
7316LCSD	296794	SECD0412/19/09-2011~E4121909	7316LCSD.D	E4122109	1	SECD04	12/21/09 20:49	1
7316LCSD	296794	SECD0412/19/09-2011~E4121909	7316LCSD.D	E4122109	2	SECD04	12/21/09 20:49	1
ST106-GW-10625-1	251446302	SECD0412/19/09-2011~E4121909	463-2.D	E4122109	1	SECD04	12/21/09 21:21	1
ST106-GW-10625-1	251446302	SECD0412/19/09-2011~E4121909	463-2.D	E4122109	2	SECD04	12/21/09 21:21	1
CCV793149	296787	SECD0412/19/09-2011~E4121909	EDBCCV2.D	E4122109	1	SECD04	12/21/09 23:23	1
CCV793150	296787	SECD0412/19/09-2011~E4121909	EDBCCV2.D	E4122109	2	SECD04	12/21/09 23:23	1

Extraction Method 8011W

Extraction Lot Hex 31556

PEL Laboratory
8011 EDB

Batch # 17316
431124

DCN: TD00035
Revision: 1
Date: 6/1/2005

Date 12-15-09 Start Time 4:00pm Stop Time 4:30pm

Sample # (Container #)	0.48	0.24	0.12	0.08	0.04	0.02	Sec CCV	BLK	LCS	LCSD
Date										
Client ID										
Odor										
Color										
Sed.										
Vol/Wt	35.07	35.84	35.09	35.15	35.28	35.05	35.98	35.26	35.89	35.30
pH	7									
Surrogate ID	32094 @ 0.02ug/ml 540ul	420ul	210ul	140ul	70ul	35ul	210ul	420ul		
Surr. Witness	✓									
Spike ID	32095 @ 0.02ug/ml 540ul	420ul	210ul	140ul	70ul	35ul	31852 @ 0.02ug/ml 210ul	N/A	31852 @ 0.02ug/ml 210 ul	
Spike Witness	✓								✓	
Final Vol.	2ml							NA		
Remarks	N/A									
Archive Box/Row	W11 2									

DI water

NaCl 30895

Scale SN P35923

Final Solvent Lot Hex 31556

Log Review _____

2514463

A-506

Extraction Method 8011

Extraction Lot Hex 31556

PEL Laboratory
8011 EDB

DCN: TD00035
Revision: 1
Date: 6/1/2005

Batch # —

SL

Date 12/17/09 Start Time 7:30 Stop Time 8:00

Sample # (Container #)	SEC CCU									
Date										
Client ID	DI WATER									
Odor										
Color										
Sed.						VOID				
Vol/Wt	35.00									
pH	7									
Surrogate ID	32109 surr @ 0.02 ug/ml 210 ml									
Surr. Witness	SL									
Spike ID	32111 sec spk @ 0.02 ug/ml 210 ml									
Spike Witness	SL									
Final Vol.	2ml									
Remarks	NA									
Archive Box/Row	WII / 3									

NaCl 30895

Scale SN R35923

Final Solvent Lot Hex 31556

Log Review _____

2514463

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
10095	8011_1122TCE_STK	NSI	14-06-03	12/31/2010	1 UG/	1/6/2006	cring-hillard
1000 UG/ML: 1,1,2,2-Tetrachloroethane							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
13622	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	5/31/2010	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
30450	Methanol	J.T. Baker	H28E15	8/21/2010	32 L	8/21/2009	chemist

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32089	EDBInt_surr#1			6/15/2010	10 ML	12/15/2009	lkeene
2 UG/ML: 1,1,2,2-Tetrachloroethane							
COMPOSED OF:							
10095: 20 UL 30450: 9990 UL							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32090	EDBInt_spk			5/31/2010	10 ML	12/15/2009	lkeene
2 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)							

STANDARDS LOG

COMPOSED OF:

20673: 100 UL 30450: 9900 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32091	EDBssint_spk			6/15/2010	10 ML	12/15/2009	lkeene

2 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

COMPOSED OF:

13622: 100 UL 30450: 9900 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32094	EDBwkg_surr			12/16/2009	25 ML	12/15/2009	cabadia

0.02 UG/ML: 1,1,2,2-Tetrachloroethane

COMPOSED OF:

30450: 24750 UL 32089: 250 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32095	EDBwkg_spk			12/16/2009	10 ML	12/15/2009	cabadia

20 ug/L: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

COMPOSED OF:

30450: 9900 UL 32090: 100 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32109	EDBwkg_surr			12/17/2009	25 ML	12/17/2009	cabadia

0.02 UG/ML: 1,1,2,2-Tetrachloroethane

COMPOSED OF:

30450: 24750 UL 32089: 250 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
32111	EDBsswkg_spk			12/17/2009	10 ML	12/17/2009	cabadia

0.02 UG/ML: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB)

STANDARDS LOG

COMPOSED OF:

30450: 9900 UL 32091: 100 UL

PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\EDBCAL6.D
Lab Smp Id: 296785 Client Smp ID: EDBCAL6
Inj Date : 19-DEC-2009 17:30
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296785
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 17:30 Cal File: EDBCAL6.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	4.195	4.195	0.000	1193304	0.48000	0.48(AM)
$	2 1,1,2,2-Tetrachloroethane	6.151	6.151	0.000	827223	0.48000	0.51(AM)
	3 dbcp	8.821	8.821	0.000	1390814	0.48000	0.42(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\E4121909.b\EDBCAL6.D

Date : 19-DEC-2009 17:30

Client ID: EDBCAL6

Instrument: secd04.i

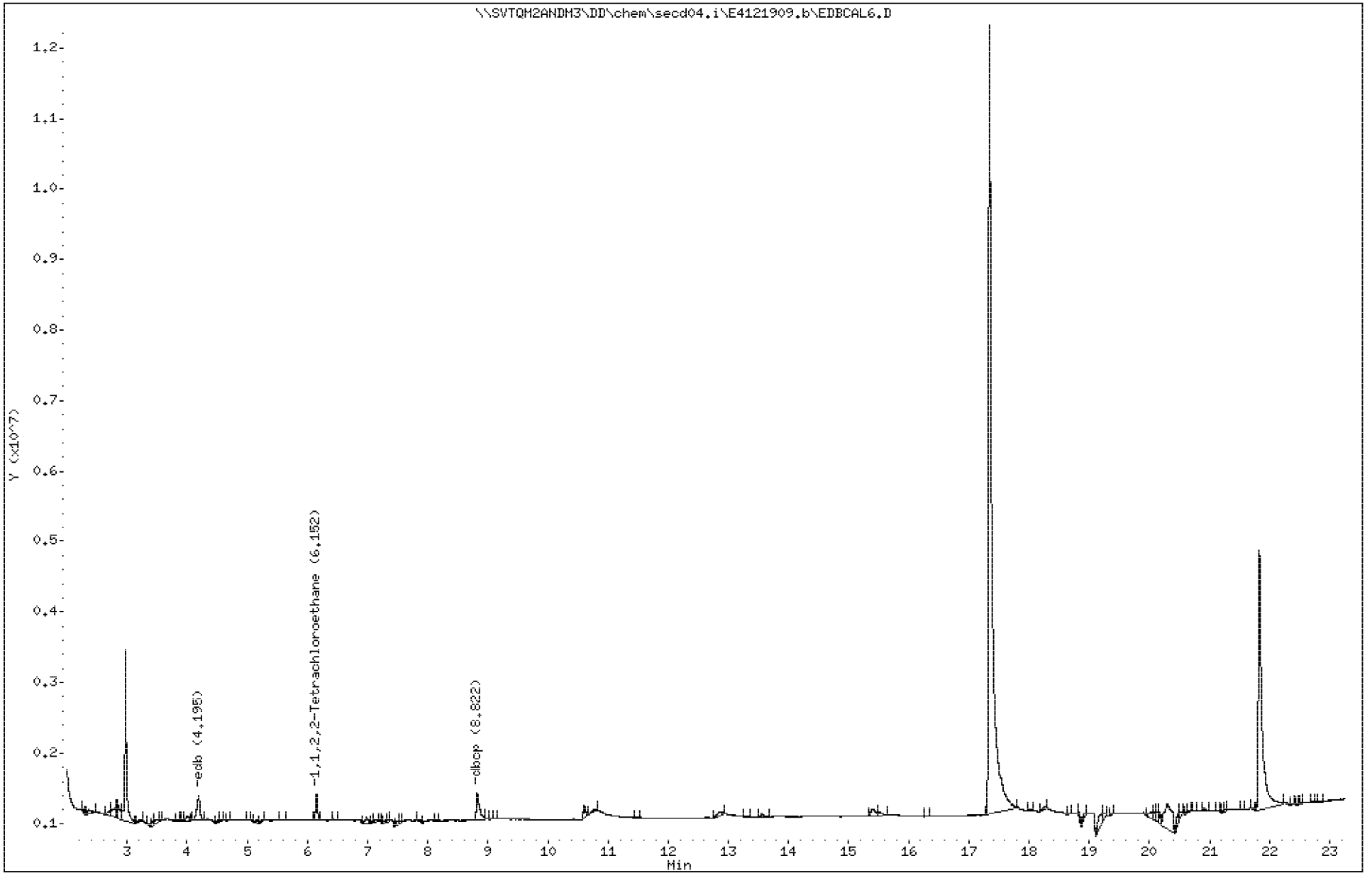
Sample Info: e296785

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\E4121909.b\E4121909.b\EDBCAL6.D
Lab Smp Id: 296785 Client Smp ID: EDBCAL6
Inj Date : 19-DEC-2009 17:30
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296785
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 18:02 Cal File: EDBCAL5.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	4.321	4.321	0.000	1234505	0.48000	0.48(AM)
$	2 1,1,2,2-Tetrachloroethane	6.347	6.347	0.000	922084	0.48000	0.53(A)
	3 dbcp	9.040	9.040	0.000	1159523	0.48000	0.41(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\E4121909.b\E4121909.b\EDBCAL6.D

Date : 19-DEC-2009 17:30

Client ID: EDBCAL6

Instrument: secd04.i

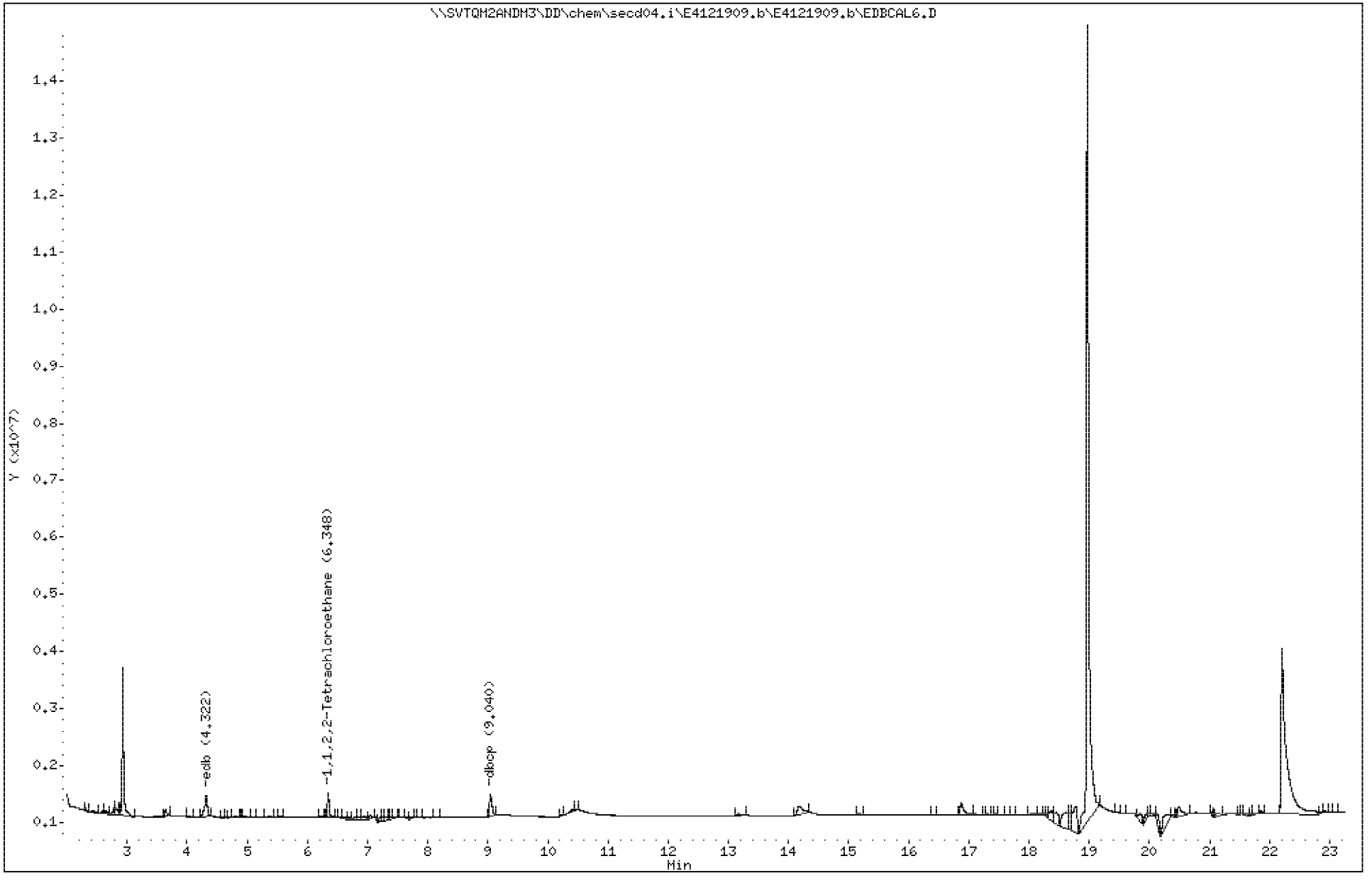
Sample Info: e296785

Purge Volume: 35.1

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\EDBCAL5.D
Lab Smp Id: 296786 Client Smp ID: EDBCAL5
Inj Date : 19-DEC-2009 18:02
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296786
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 17:30 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	4.194	4.194	0.000	559442	0.24000	0.22(M)
$ 2 1,1,2,2-Tetrachloroethane	6.151	6.151	0.000	398924	0.24000	0.24(M)
3 dbcp	8.819	8.819	0.000	655627	0.24000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\EDBCAL5.D

Date : 19-DEC-2009 18:02

Client ID: EDBCAL5

Instrument: secd04.i

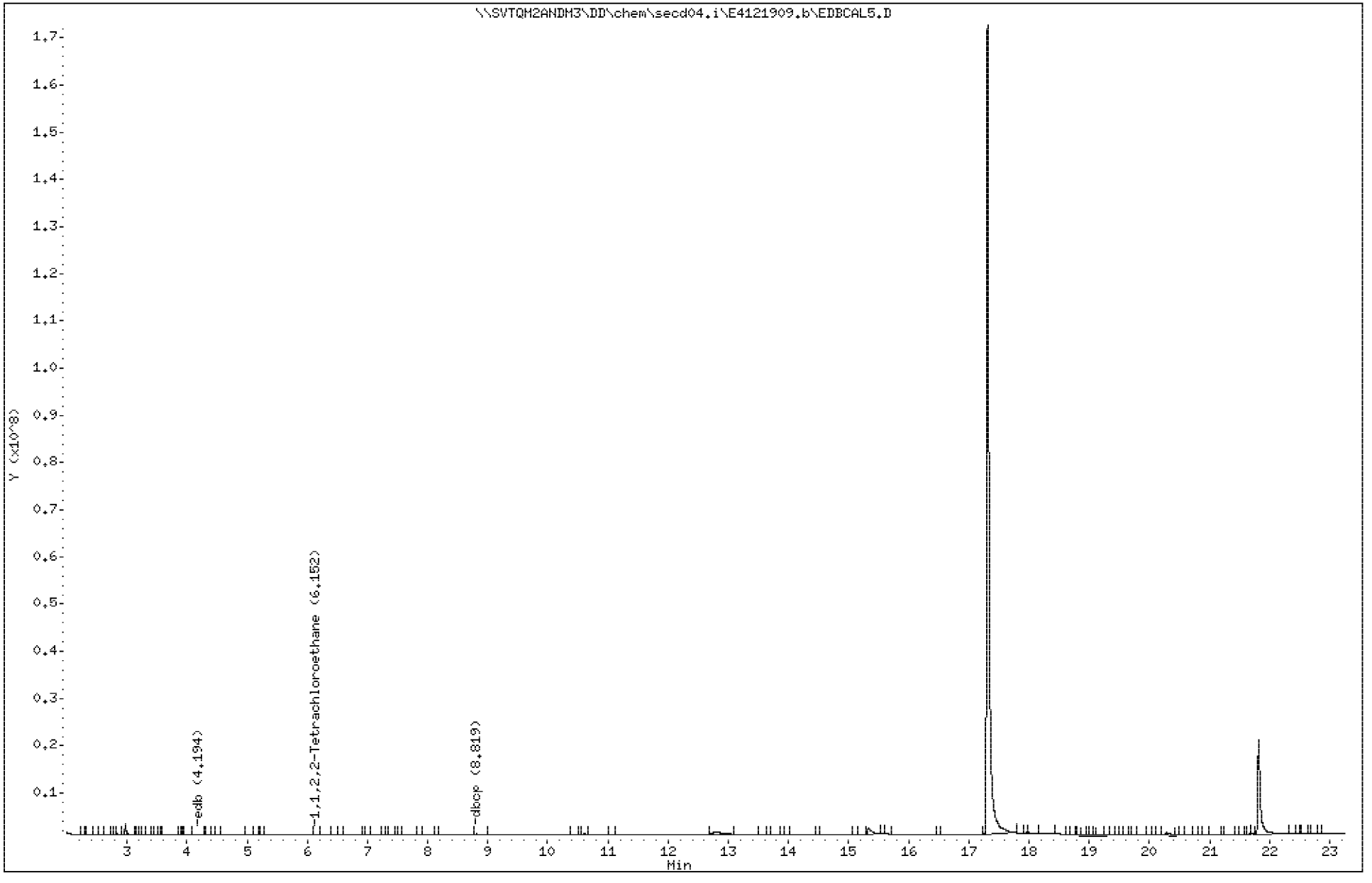
Sample Info: e296786

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\E4121909.b\E4121909.b\EDBCAL5.D
Lab Smp Id: 296786 Client Smp ID: EDBCAL5
Inj Date : 19-DEC-2009 18:02
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296786
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 17:30 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	4.319	4.319	0.000	612218	0.24000	0.23(M)
$ 2 1,1,2,2-Tetrachloroethane	6.347	6.347	0.000	390580	0.24000	0.23(M)
3 dbcp	9.037	9.037	0.000	527141	0.24000	0.19(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\E4121909.b\EDBCAL5.D

Date : 19-DEC-2009 18:02

Client ID: EDBCAL5

Instrument: secd04.i

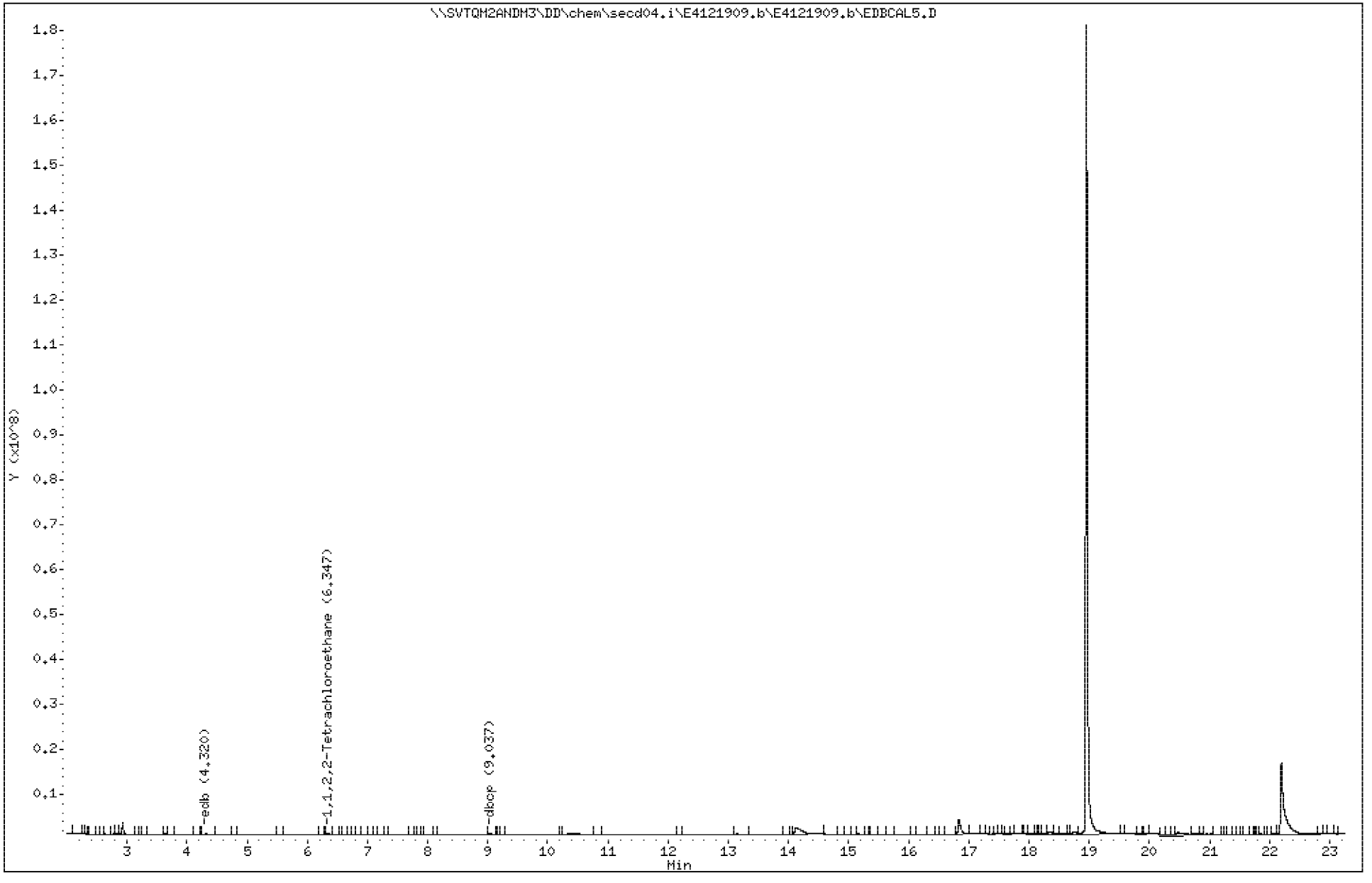
Sample Info: e296786

Purge Volume: 35.8

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\EDBCAL4.D
Lab Smp Id: 296787 Client Smp ID: EDBCAL4
Inj Date : 19-DEC-2009 18:35
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296787
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 18:02 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	4.192	4.192	0.000	325189	0.12000	0.13
$	2 1,1,2,2-Tetrachloroethane	6.148	6.148	0.000	175595	0.12000	0.11(M)
	3 dbcp	8.819	8.819	0.000	400233	0.12000	0.12(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\EDBCAL4.D

Date : 19-DEC-2009 18:35

Client ID: EDBCAL4

Instrument: secd04.i

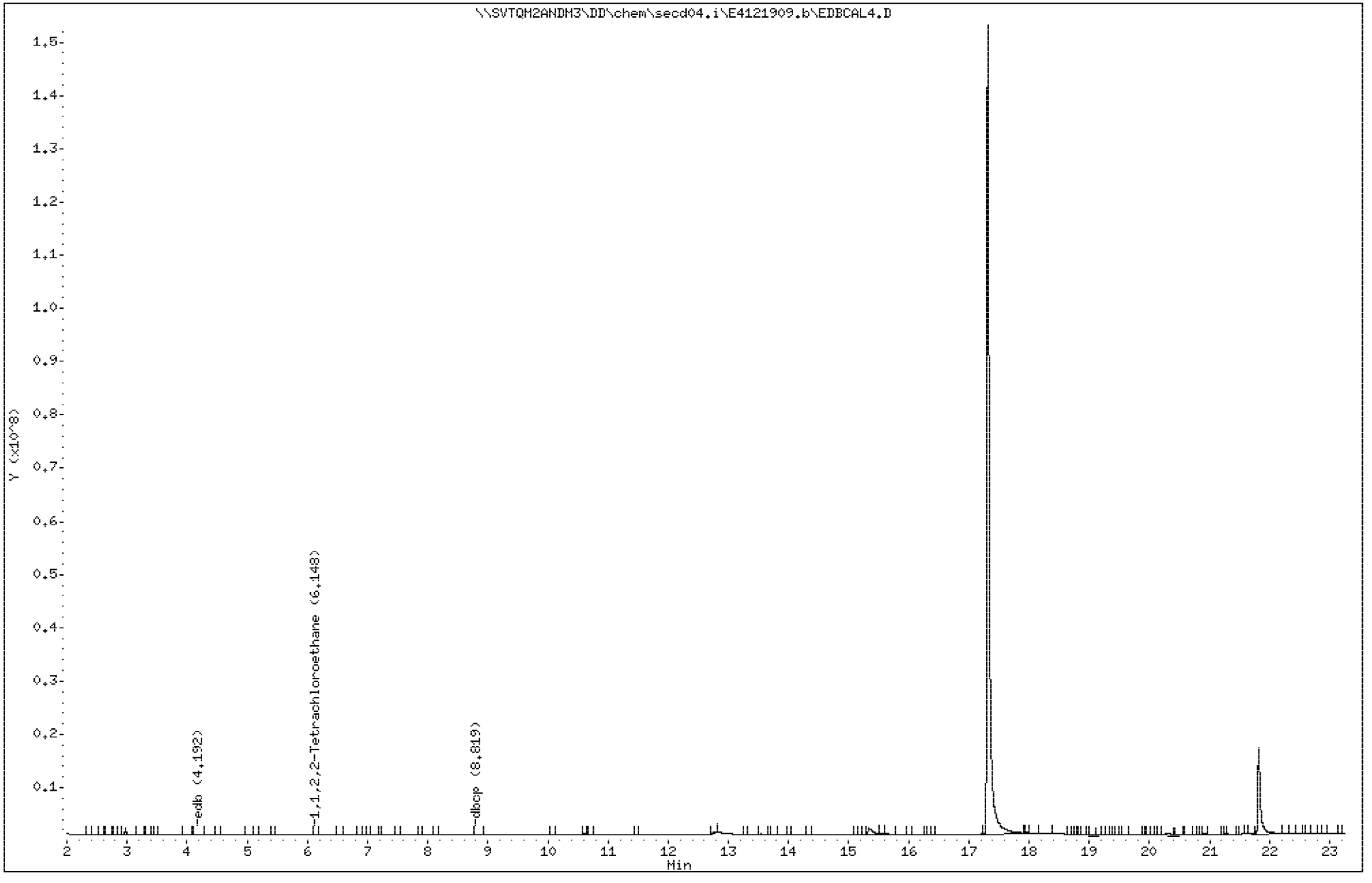
Sample Info: e296787

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\E4121909.b\E4121909.b\EDBCAL4.D
Lab Smp Id: 296787 Client Smp ID: EDBCAL4
Inj Date : 19-DEC-2009 18:35
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296787
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 18:02 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	4.315	4.315	0.000	362512	0.12000	0.13
$	2 1,1,2,2-Tetrachloroethane	6.344	6.344	0.000	184752	0.12000	0.11(M)
	3 dbcp	9.035	9.035	0.000	332322	0.12000	0.12(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\E4121909.b\EDBCAL4.D

Date : 19-DEC-2009 18:35

Client ID: EDBCAL4

Instrument: secd04.i

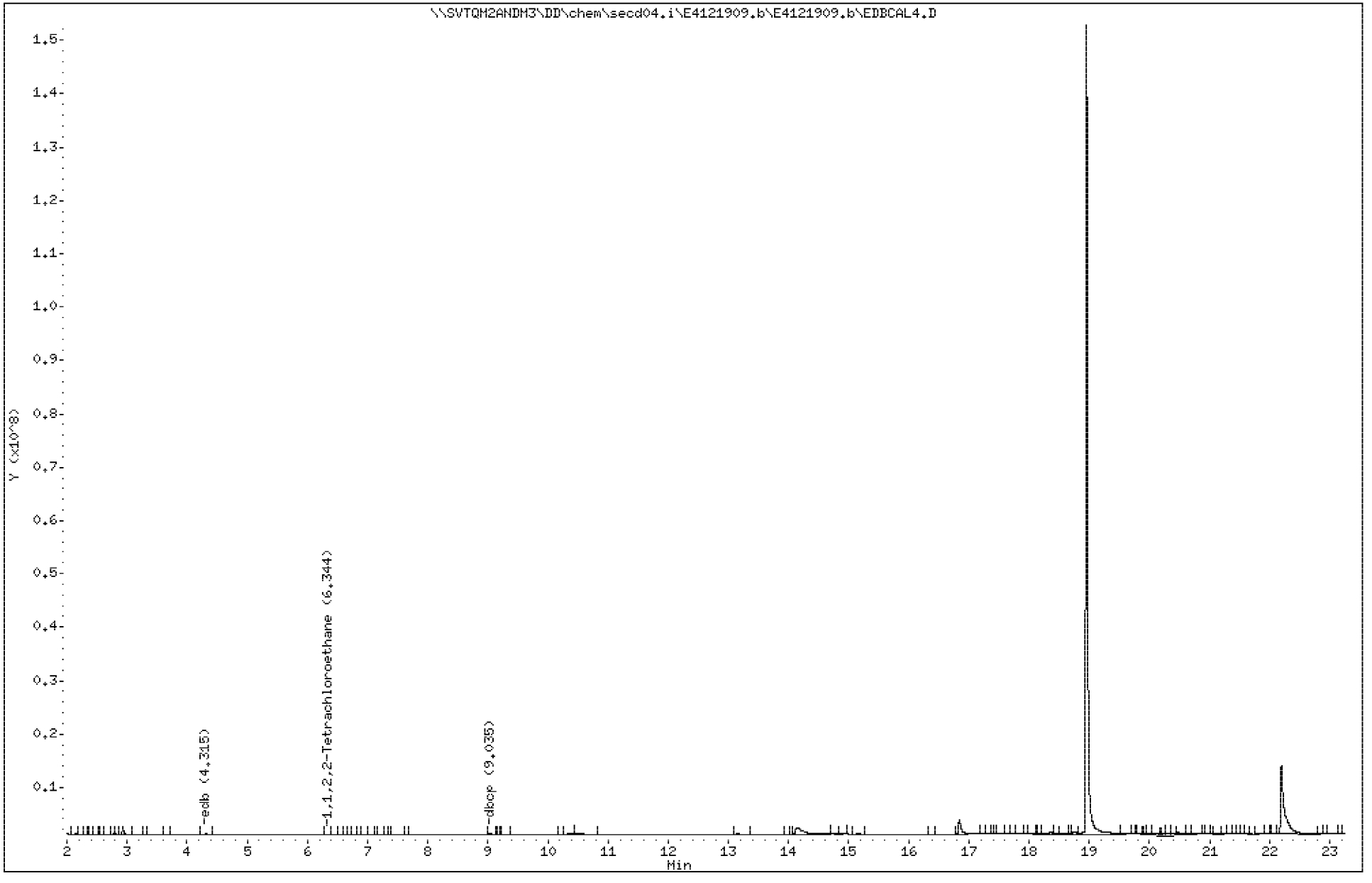
Sample Info: e296787

Purge Volume: 35.1

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\EDBCAL3.D
Lab Smp Id: 296788 Client Smp ID: EDBCAL3
Inj Date : 19-DEC-2009 19:07
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296788
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 18:35 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

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	4.195	4.195	0.000	229699	0.08000	0.088
$ 2 1,1,2,2-Tetrachloroethane	6.149	6.149	0.000	119449	0.08000	0.074(M)
3 dbcp	8.821	8.821	0.000	293300	0.08000	0.088(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\EDBCAL3.D

Date : 19-DEC-2009 19:07

Client ID: EDBCAL3

Instrument: secd04.i

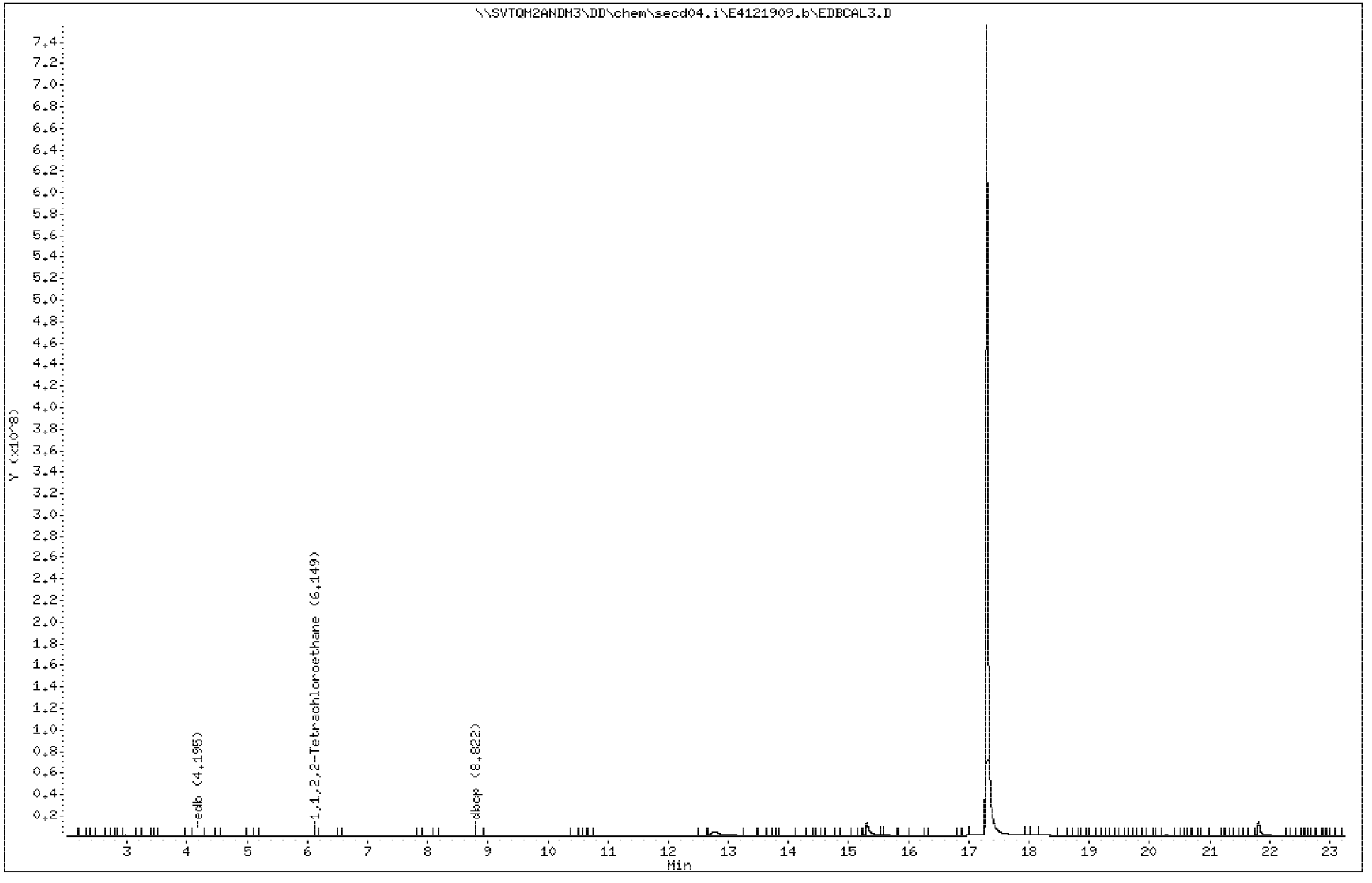
Sample Info: e296788

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\E4121909.b\E4121909.b\EDBCAL3.D
Lab Smp Id: 296788 Client Smp ID: EDBCAL3
Inj Date : 19-DEC-2009 19:07
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296788
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 18:35 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

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	4.320	4.320	0.000	241712	0.08000	0.084(M)
$ 2 1,1,2,2-Tetrachloroethane	6.346	6.346	0.000	131191	0.08000	0.076
3 dbcp	9.034	9.034	0.000	238906	0.08000	0.085(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\E4121909.b\EDBCAL3.D

Date : 19-DEC-2009 19:07

Client ID: EDBCAL3

Instrument: secd04.i

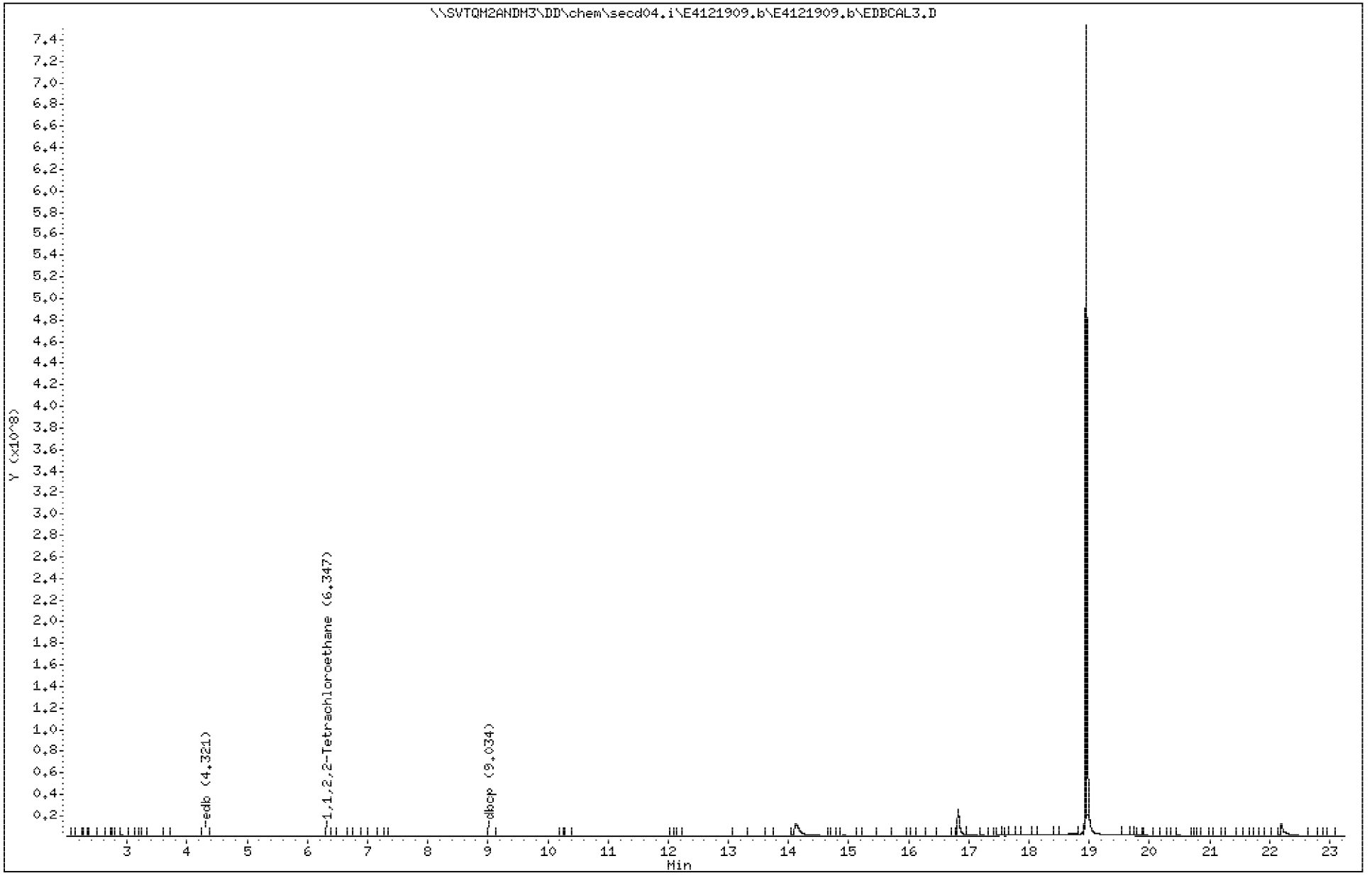
Sample Info: e296788

Purge Volume: 35.1

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\E4121909.b\EDBCAL2.D
Lab Smp Id: 296789 Client Smp ID: EDBCAL2
Inj Date : 19-DEC-2009 19:39
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296789
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 19:07 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

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 edb	4.319	4.319	0.000	118799	0.04000	0.035(M)
$ 2 1,1,2,2-Tetrachloroethane	6.346	6.346	0.000	77037	0.04000	0.044
3 dbcp	9.035	9.035	0.000	116745	0.04000	0.041(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\E4121909.b\EDBCAL2.D

Date : 19-DEC-2009 19:39

Client ID: EDBCAL2

Instrument: secd04.i

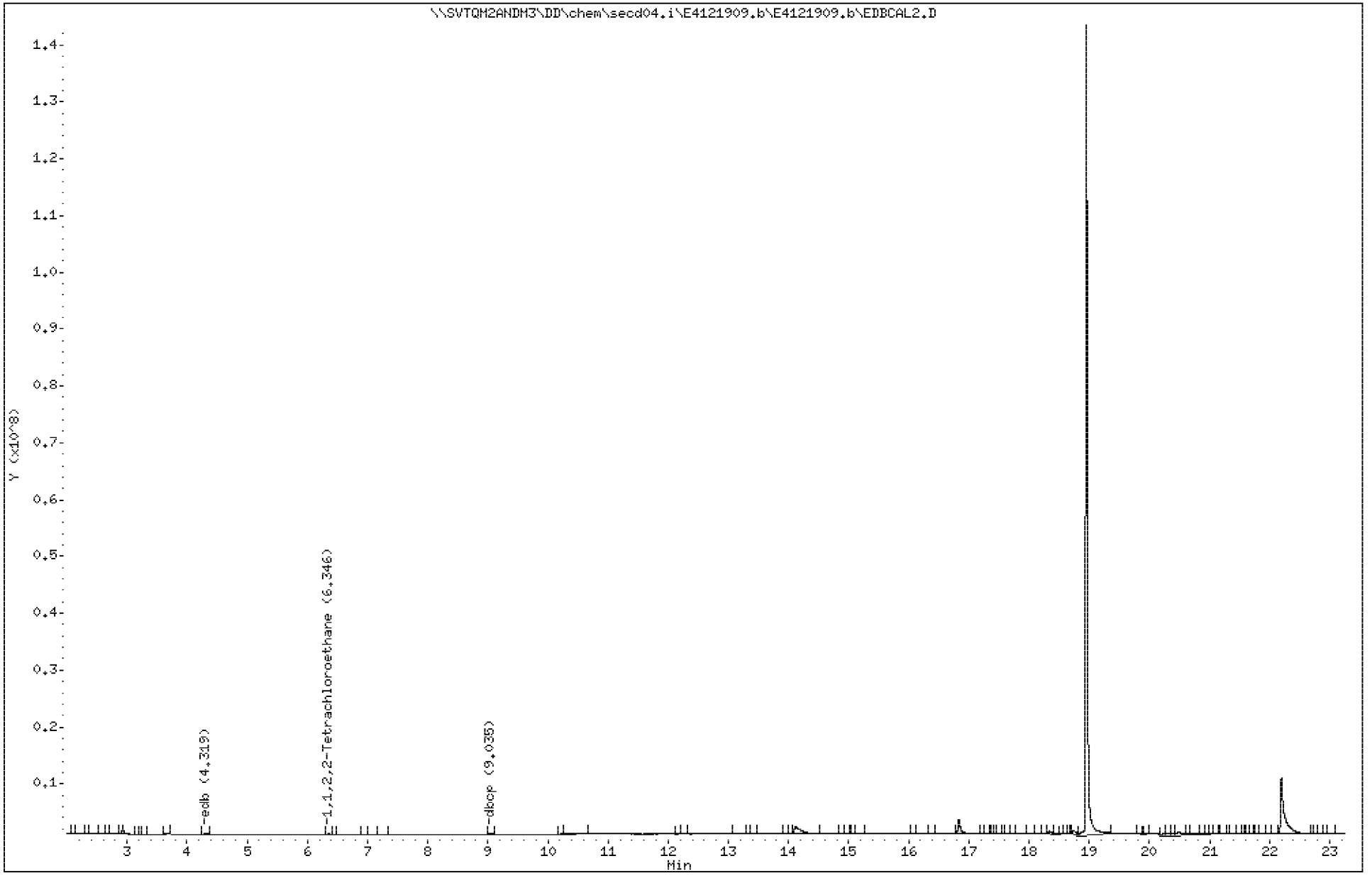
Sample Info: e296789

Purge Volume: 35.3

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\EDBCAL2.D
Lab Smp Id: 296789 Client Smp ID: EDBCAL2
Inj Date : 19-DEC-2009 19:39
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296789
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 19:07 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

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 edb	4.192	4.192	0.000	105286	0.04000	0.038
$	2 1,1,2,2-Tetrachloroethane	6.152	6.152	0.000	62242	0.04000	0.038(M)
	3 dbcp	8.817	8.817	0.000	145882	0.04000	0.044

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\EDBCAL2.D

Date : 19-DEC-2009 19:39

Client ID: EDBCAL2

Instrument: secd04.i

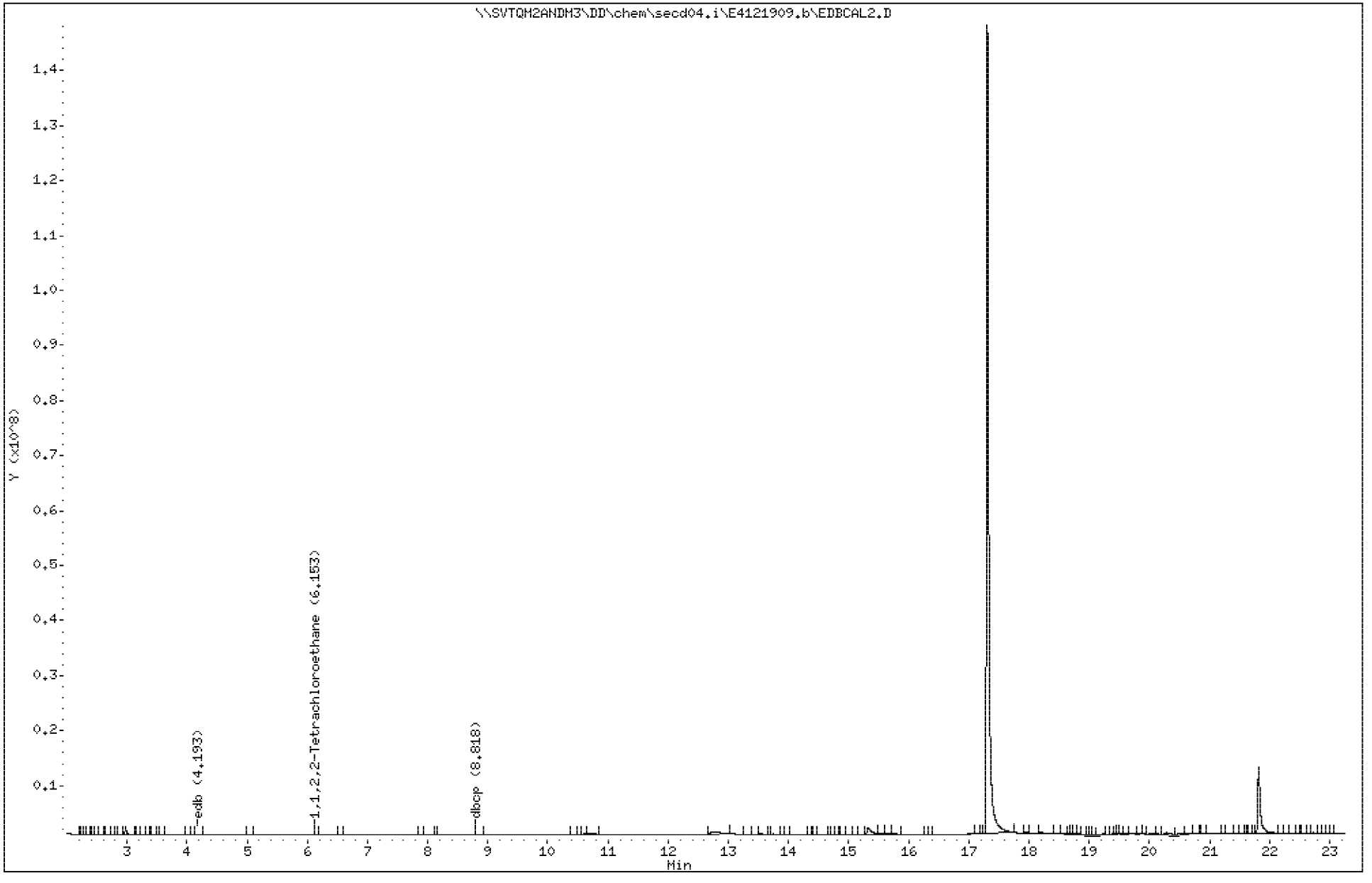
Sample Info: e296789

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\E4121909.b\E4121909.b\EDBCAL1.D
Lab Smp Id: 296790 Client Smp ID: EDBCAL1
Inj Date : 19-DEC-2009 20:11
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296790
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 19:39 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	4.325	4.325	0.000	74753	0.02000	0.017
$ 2 1,1,2,2-Tetrachloroethane	6.349	6.349	0.000	34308	0.02000	0.020
3 dbcp	9.031	9.031	0.000	72355	0.02000	0.026(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\E4121909.b\EDBCAL1.D

Date : 19-DEC-2009 20:11

Client ID: EDBCAL1

Instrument: secd04.i

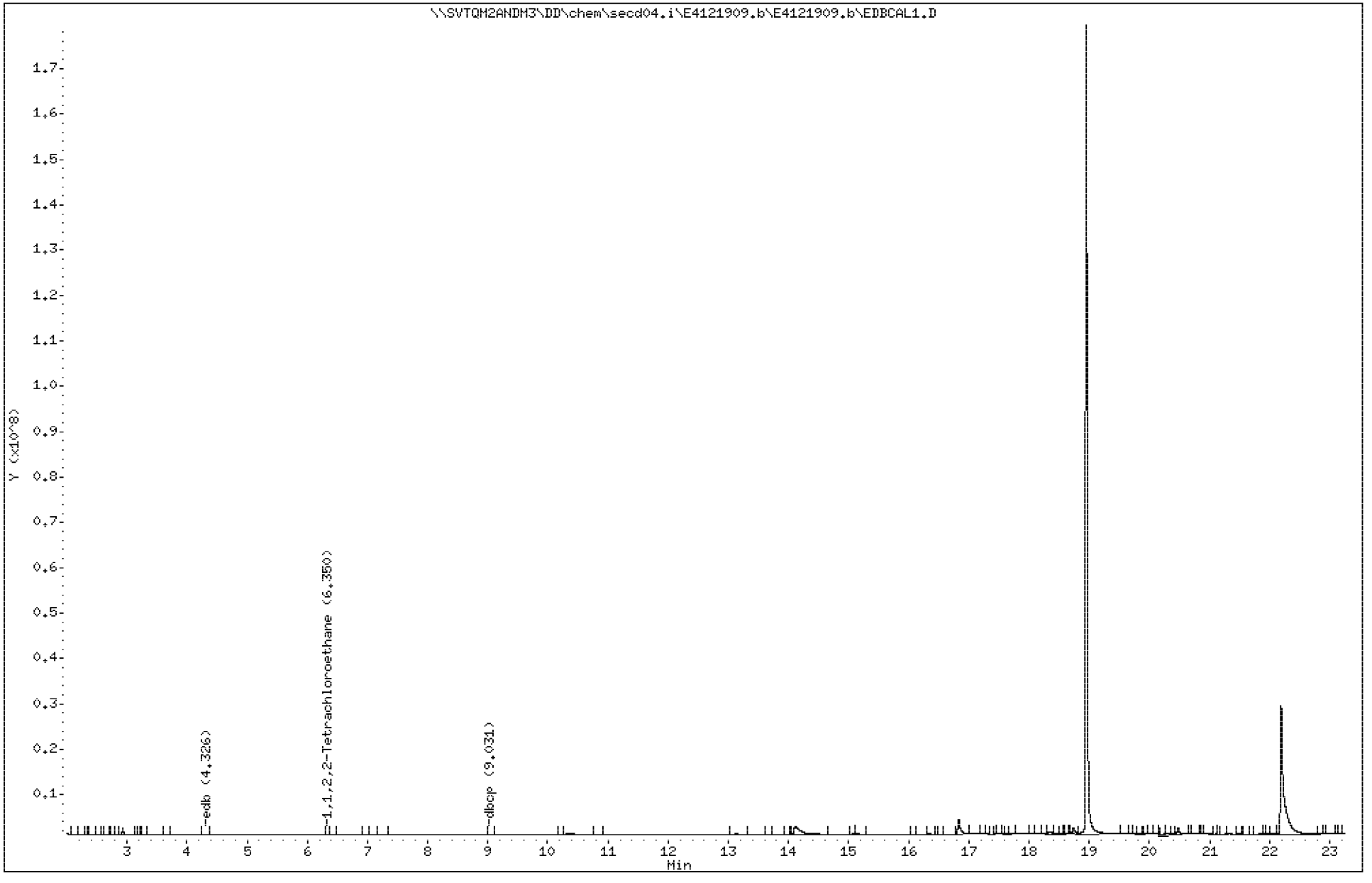
Sample Info: e296790

Purge Volume: 35.0

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\EDBCAL1.D
Lab Smp Id: 296790 Client Smp ID: EDBCAL1
Inj Date : 19-DEC-2009 20:11
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296790
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 19:39 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	4.195	4.195	0.000	58196	0.02000	0.018
$	2 1,1,2,2-Tetrachloroethane	6.144	6.144	0.000	36899	0.02000	0.023(M)
	3 dbcp	8.822	8.822	0.000	76111	0.02000	0.023(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\EDBCAL1.D

Date : 19-DEC-2009 20:11

Client ID: EDBCAL1

Instrument: secd04.i

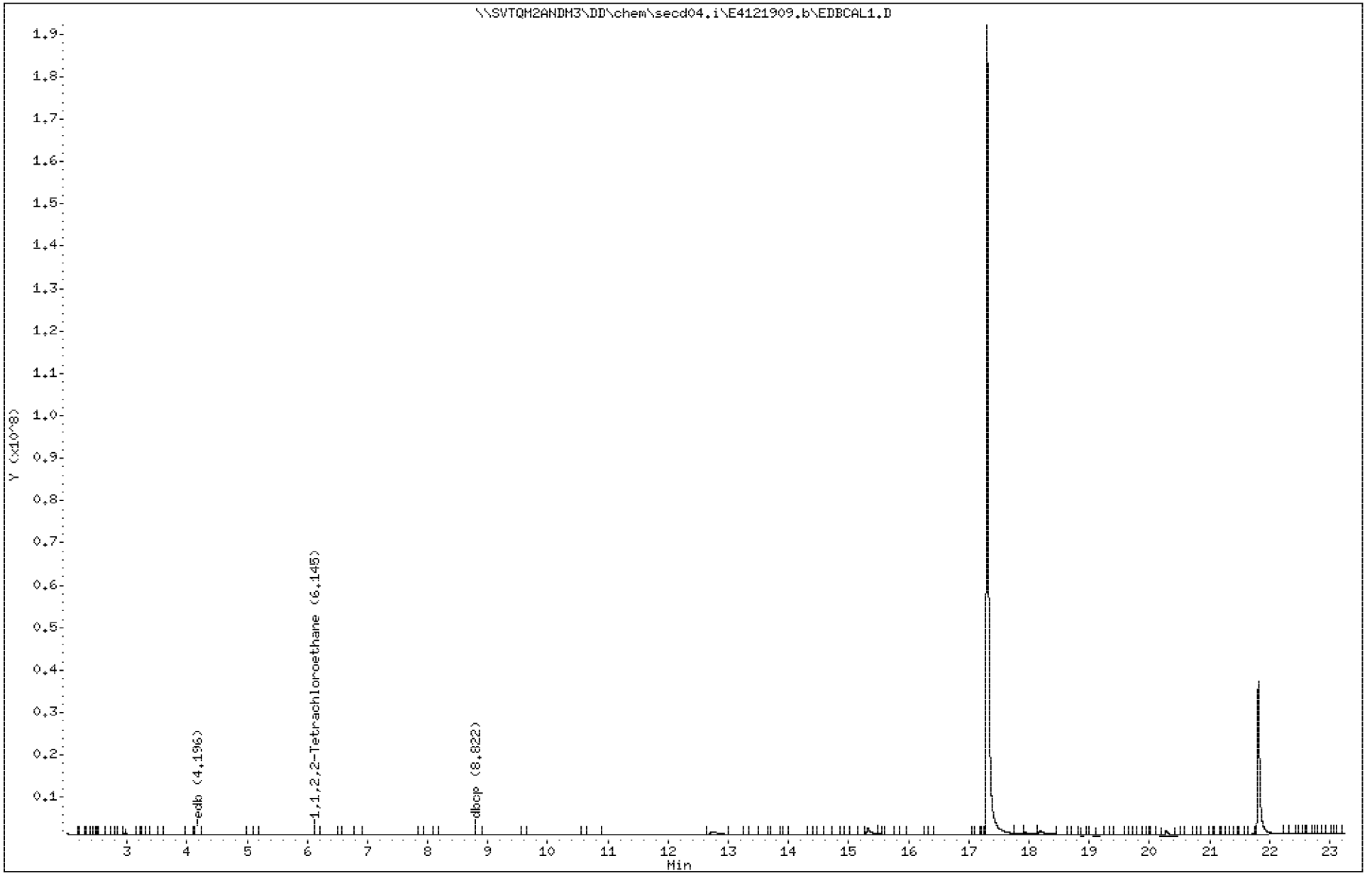
Sample Info: e296790

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\E4121909.b\EDBSEC.D
Lab Smp Id: NEW SEC Client Smp ID: EDBSEC
Inj Date : 19-DEC-2009 20:43
Operator : PEL Labs Inst ID: secd04.i
Smp Info : NEW SEC
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 20:11 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	4.197	4.197	0.000	326983	0.12000	0.13
$	2 1,1,2,2-Tetrachloroethane	6.151	6.151	0.000	170548	0.12000	0.10(M)
	3 dbcp	8.820	8.820	0.000	361923	0.12000	0.11

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\EDBSEC.D

Date : 19-DEC-2009 20:43

Client ID: EDBSEC

Instrument: secd04.i

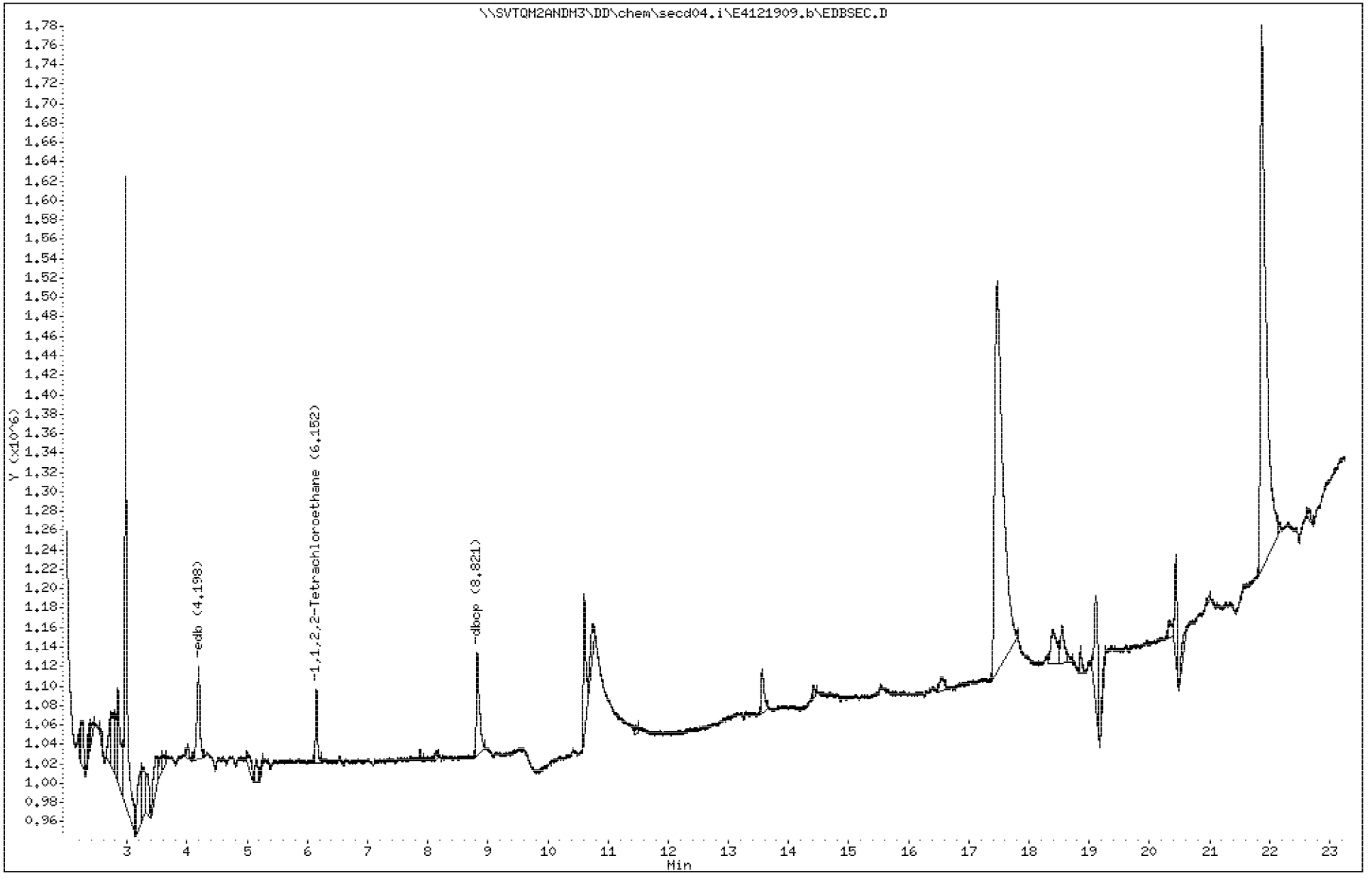
Sample Info: NEW SEC

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\E4121909.b\E4121909.b\EDBSEC.D
Lab Smp Id: NEW SEC Client Smp ID: EDBSEC
Inj Date : 19-DEC-2009 20:43
Operator : PEL Labs Inst ID: secd04.i
Smp Info : NEW SEC
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4121909.b\8011.m\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 20:11 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

						AMOUNTS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	1 edb	4.320	4.320	0.000	341848	0.12000	0.12
$	2 1,1,2,2-Tetrachloroethane	6.345	6.345	0.000	180597	0.12000	0.10(M)
	3 dbcp	9.038	9.038	0.000	326859	0.12000	0.12(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4121909.b\E4121909.b\EDBSEC.D

Date : 19-DEC-2009 20:43

Client ID: EDBSEC

Instrument: secd04.i

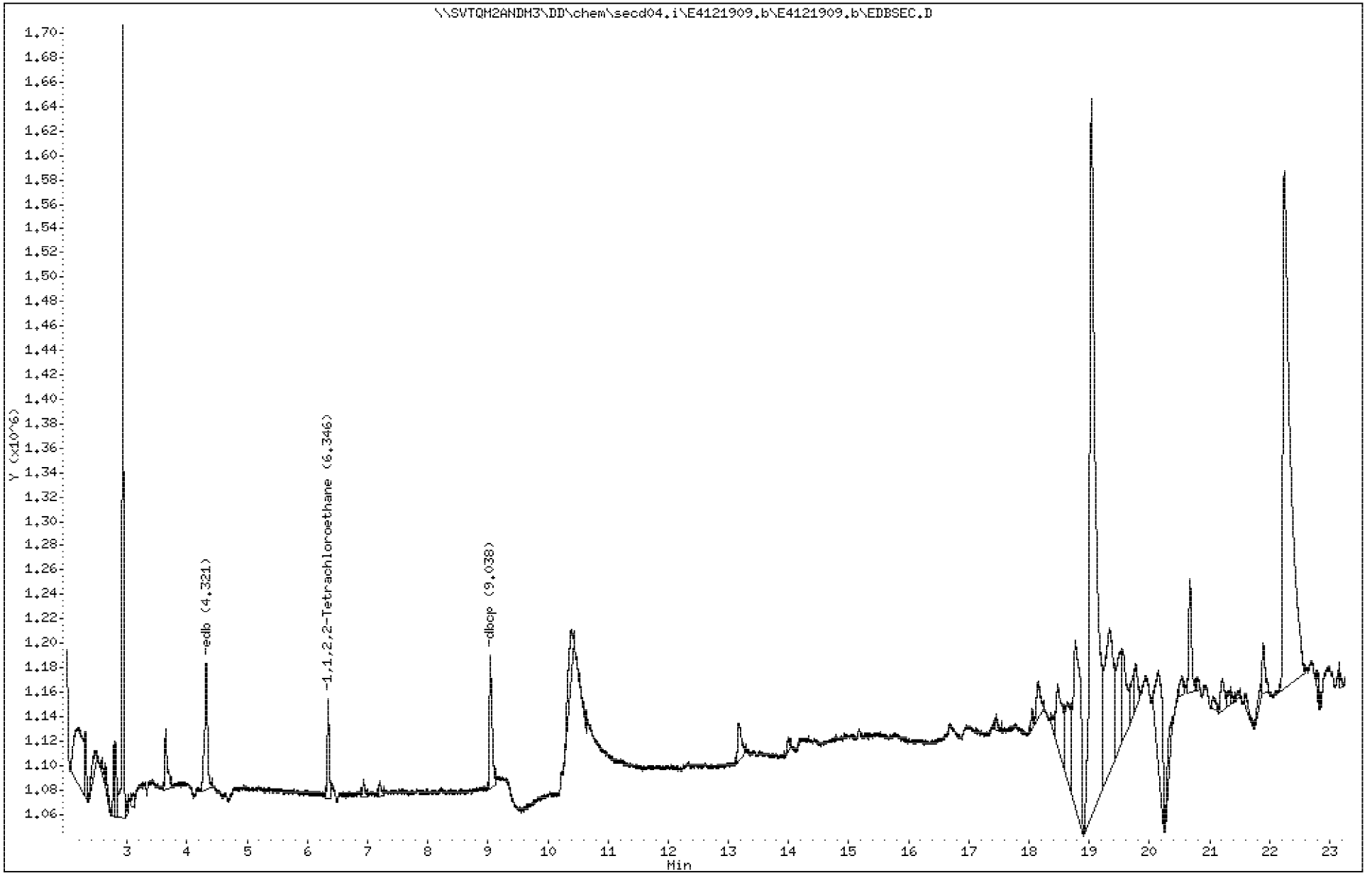
Sample Info: NEW SEC

Purge Volume: 35.0

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\EDBCCV1.D
Lab Smp Id: 296787 Client Smp ID: EDBCCV1
Inj Date : 21-DEC-2009 19:12
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 296787
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4122109.b\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 17:30 Cal File: EDBCAL6.D
Als bottle: 2 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	4.181	4.181	0.000	264541	0.12000	0.10
$ 2 1,1,2,2-Tetrachloroethane	6.144	6.144	0.000	172146	0.12000	0.11
3 dbcp	8.867	8.867	0.000	342187	0.12000	0.10(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\EDBCCV1.D

Date : 21-DEC-2009 19:12

Client ID: EDBCCV1

Instrument: secd04.i

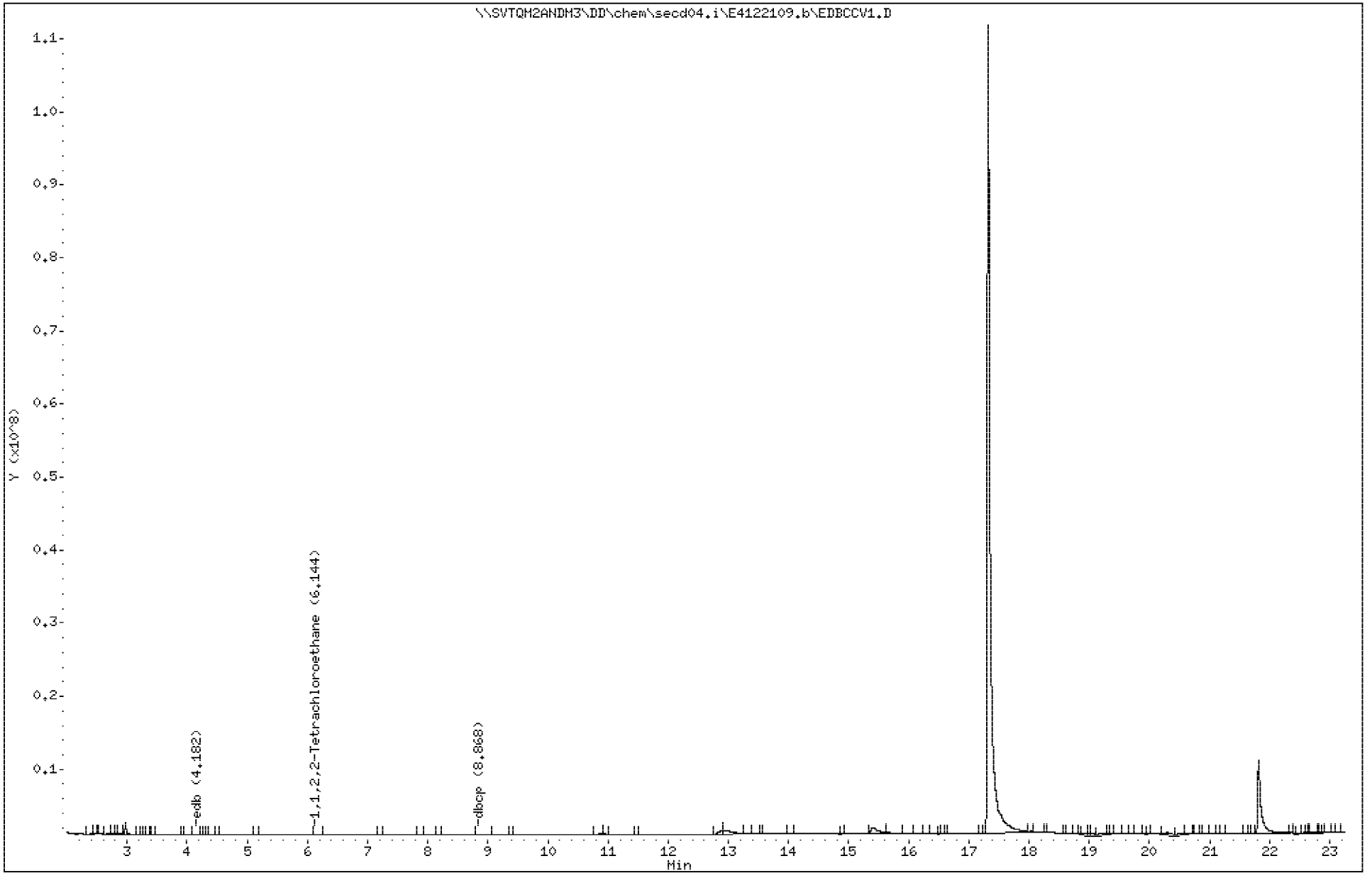
Sample Info: 296787

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\E4122109.b\E4122109.b\EDBCCV1.D
Lab Smp Id: 296787 Client Smp ID: EDBCCV1
Inj Date : 21-DEC-2009 19:12
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 296787
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4122109.b\8011.m\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 18:02 Cal File: EDBCAL5.D
Als bottle: 2 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	4.317	4.317	0.000	322510	0.12000	0.12(M)
$	2 1,1,2,2-Tetrachloroethane	6.348	6.348	0.000	188149	0.12000	0.11(M)
	3 dbcp	9.037	9.037	0.000	304058	0.12000	0.11

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\E4122109.b\EDBCCV1.D

Date : 21-DEC-2009 19:12

Client ID: EDBCCV1

Instrument: secd04.i

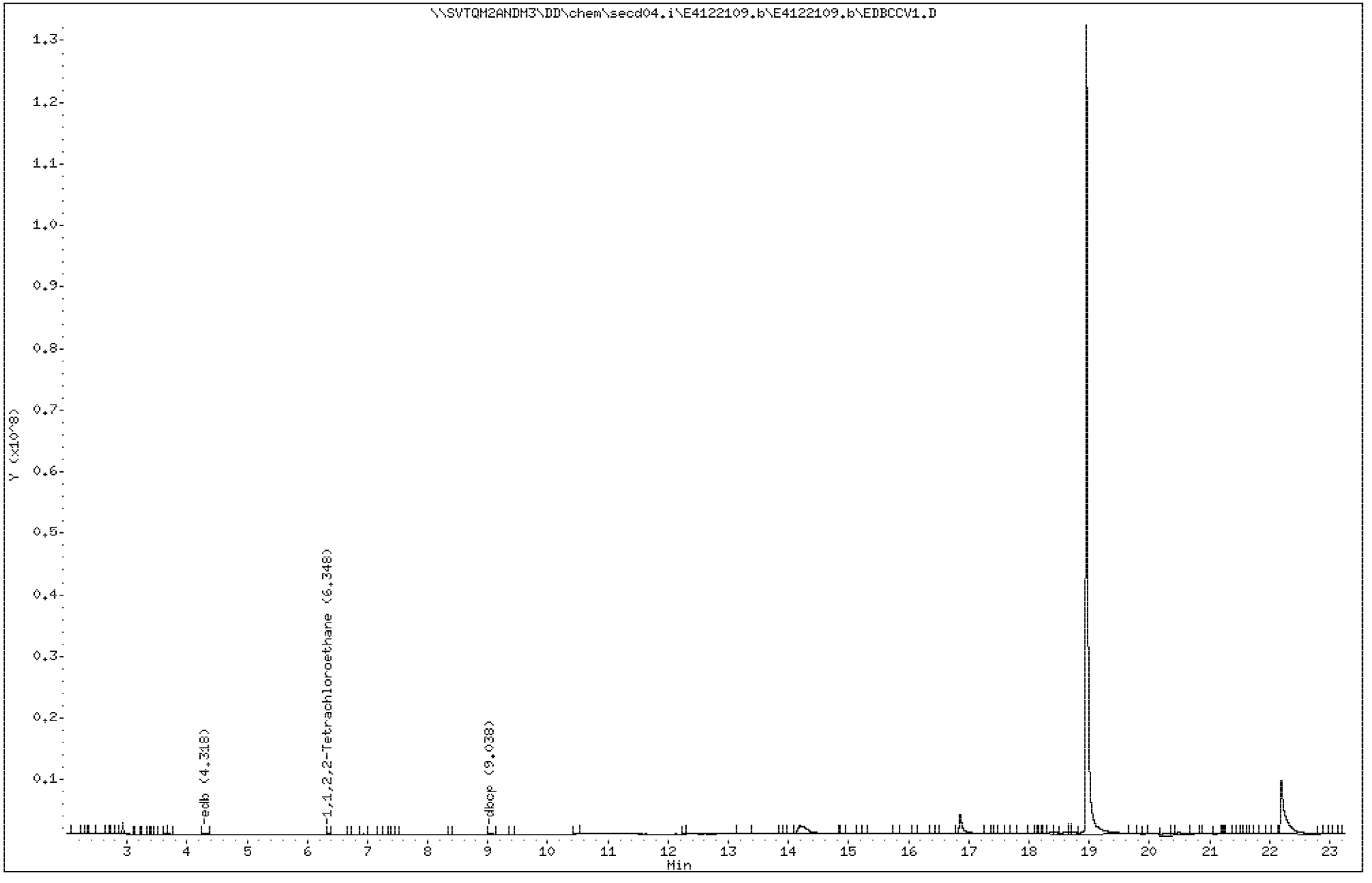
Sample Info: 296787

Purge Volume: 35.0

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\E4122109.b\7316BLK.D
Lab Smp Id: 296792 Client Smp ID: 7316BLK
Inj Date : 21-DEC-2009 19:44
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296792
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4122109.b\8011.m\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 18:02 Cal File: EDBCAL5.D
Als bottle: 3 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	6.345	6.348	-0.003	485763	0.28108	0.28

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\E4122109.b\7316BLK.D

Date : 21-DEC-2009 19:44

Client ID: 7316BLK

Instrument: secd04.i

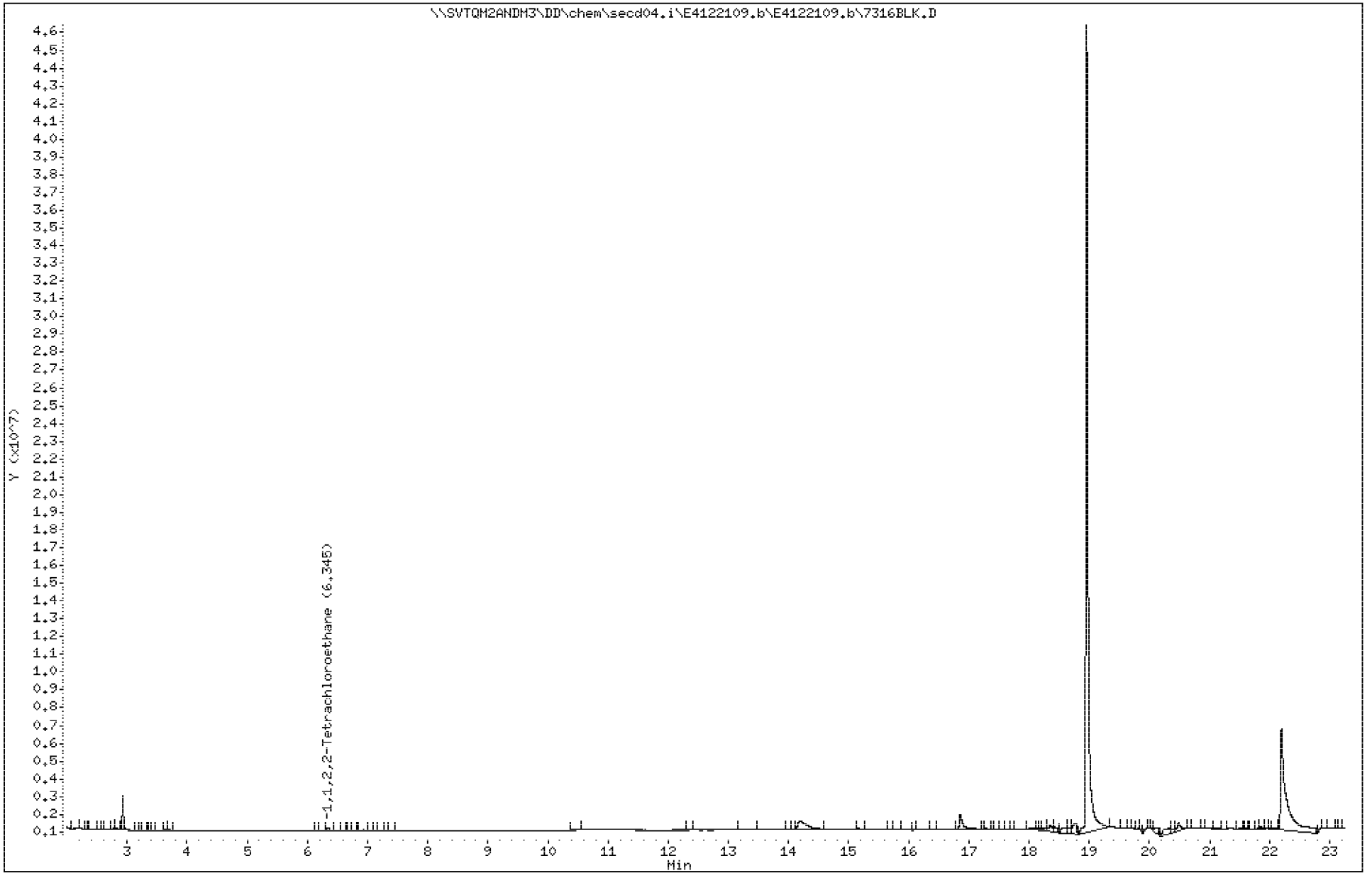
Sample Info: e296792

Purge Volume: 35.3

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\7316BLK.D
Lab Smp Id: 296792 Client Smp ID: 7316BLK
Inj Date : 21-DEC-2009 19:44
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296792
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4122109.b\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 17:30 Cal File: EDBCAL6.D
Als bottle: 3 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	6.146	6.144	0.002	383639	0.23626	0.24

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\7316BLK.D

Date : 21-DEC-2009 19:44

Client ID: 7316BLK

Instrument: secd04.i

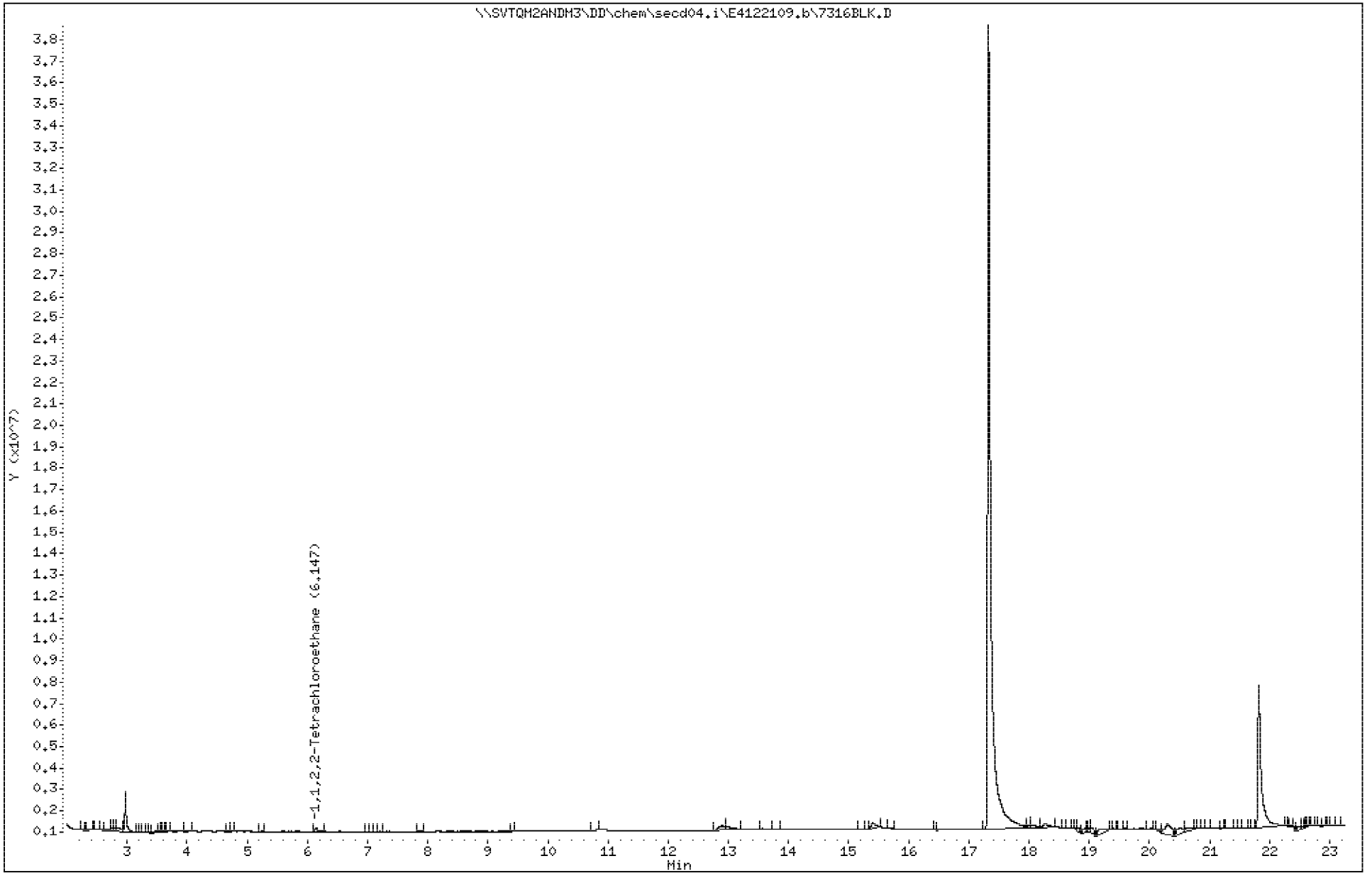
Sample Info: e296792

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\E4122109.b\E4122109.b\7316LCS.D
Lab Smp Id: 296793 Client Smp ID: 7316LCS
Inj Date : 21-DEC-2009 20:17
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296793
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4122109.b\8011.m\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 18:02 Cal File: EDBCAL5.D
Als bottle: 4 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	4.319	4.317	0.002	302544	0.10812	0.11
$	2 1,1,2,2-Tetrachloroethane	6.347	6.348	-0.001	474449	0.27453	0.27
	3 dbcp	9.037	9.037	0.000	333473	0.11836	0.12

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\E4122109.b\7316LCS.D

Date : 21-DEC-2009 20:17

Client ID: 7316LCS

Instrument: secd04.i

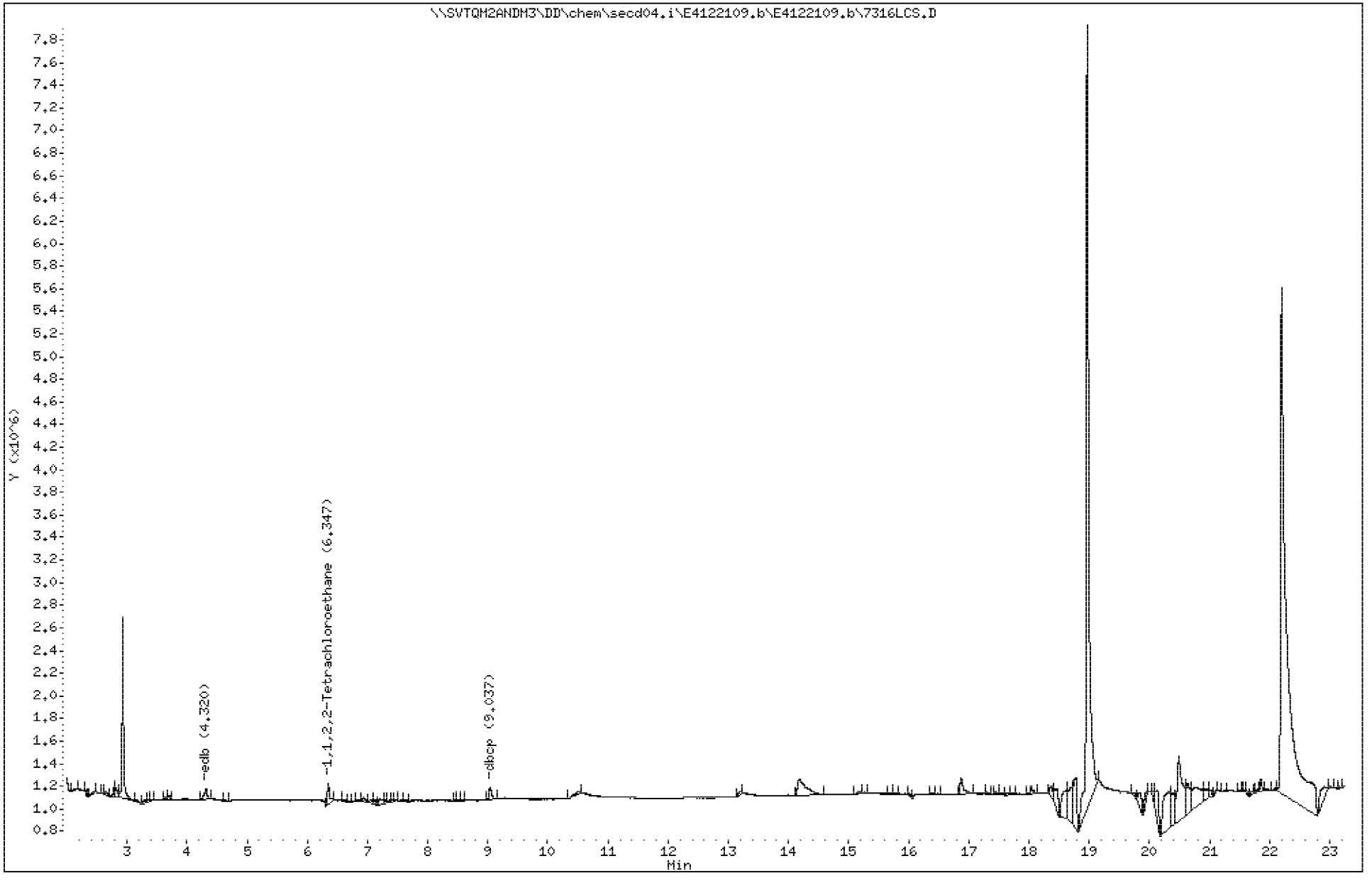
Sample Info: e296793

Purge Volume: 35.9

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\7316LCS.D
Lab Smp Id: 296793 Client Smp ID: 7316LCS
Inj Date : 21-DEC-2009 20:17
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296793
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4122109.b\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 17:30 Cal File: EDBCAL6.D
Als bottle: 4 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	4.186	4.181	0.005	301240	0.11793	0.12
$ 2 1,1,2,2-Tetrachloroethane	6.149	6.144	0.005	356584	0.21959	0.22
3 dbcp	8.839	8.867	-0.028	352014	0.10517	0.10

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\7316LCS.D

Date : 21-DEC-2009 20:17

Client ID: 7316LCS

Instrument: secd04.i

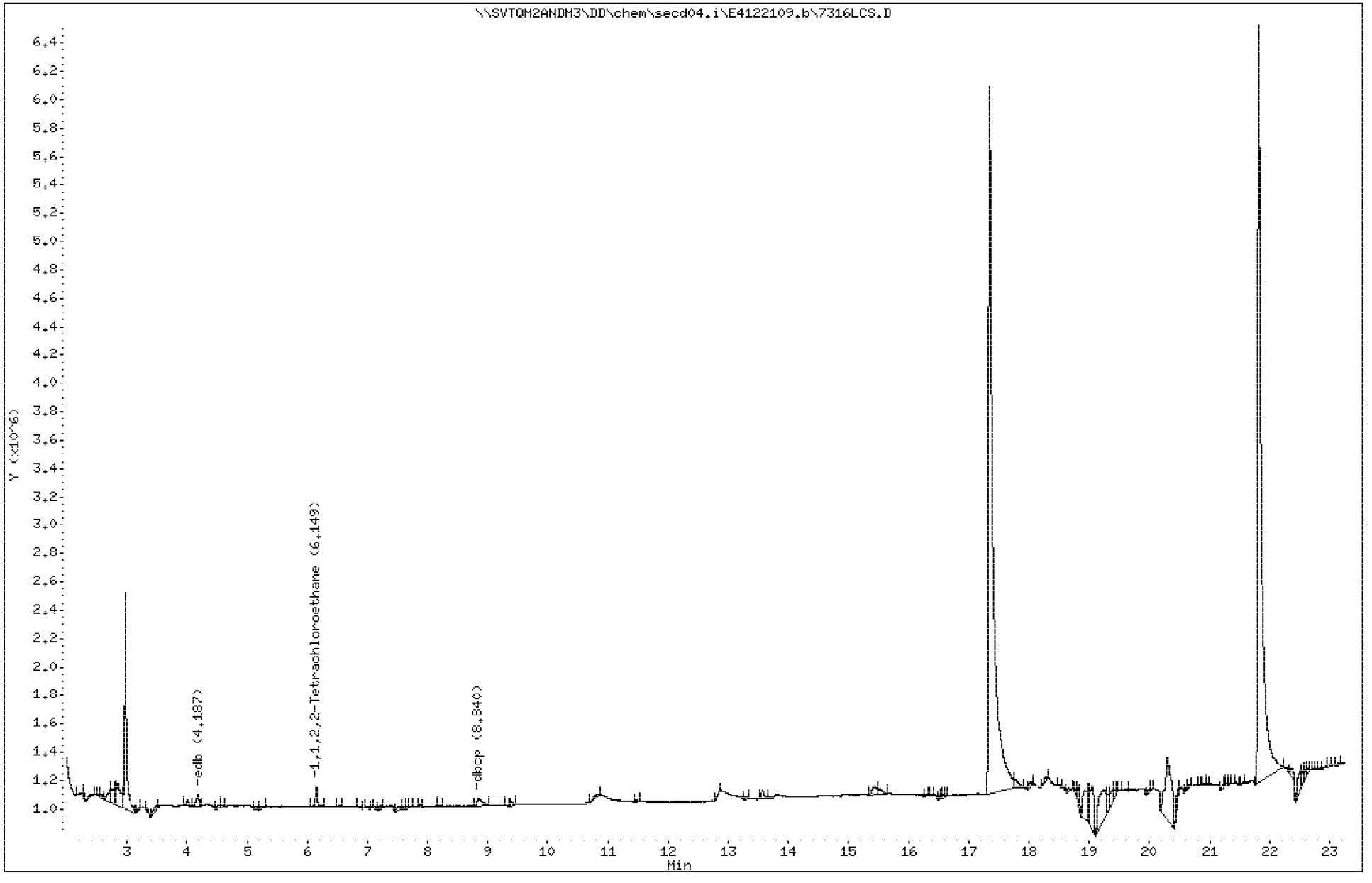
Sample Info: e296793

Purge Volume: 35.9

Operator: PEL Labs

Column phase: Stx-CLPesticides1

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\E4122109.b\7316LCSD.D
Lab Smp Id: 296794 Client Smp ID: 7316LCSD
Inj Date : 21-DEC-2009 20:49
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296794
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4122109.b\8011.m\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 18:02 Cal File: EDBCAL5.D
Als bottle: 5 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	4.319	4.317	0.002	308227	0.11039	0.11
$	2 1,1,2,2-Tetrachloroethane	6.346	6.348	-0.002	375803	0.21745	0.22(M)
	3 dbcp	9.036	9.037	-0.001	393279	0.13959	0.14

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\E4122109.b\7316LCSD.D

Date : 21-DEC-2009 20:49

Client ID: 7316LCSD

Instrument: secd04.i

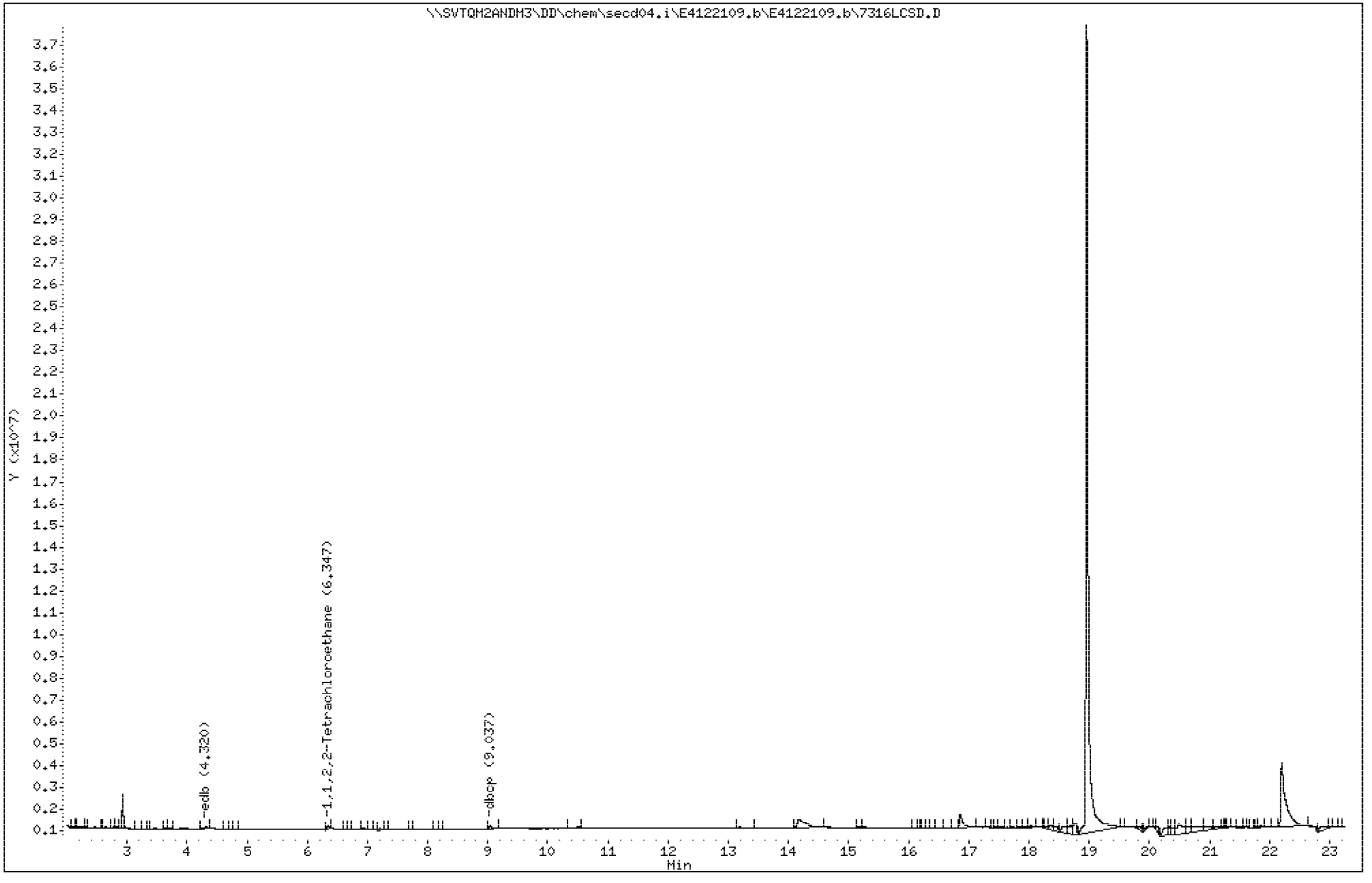
Sample Info: e296794

Purge Volume: 35.3

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\7316LCSD.D
Lab Smp Id: 296794 Client Smp ID: 7316LCSD
Inj Date : 21-DEC-2009 20:49
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296794
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4122109.b\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 17:30 Cal File: EDBCAL6.D
Als bottle: 5 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	4.187	4.181	0.006	323654	0.12713	0.13(M)
$ 2 1,1,2,2-Tetrachloroethane	6.147	6.144	0.003	367816	0.22651	0.23
3 dbcp	8.839	8.867	-0.028	335323	0.10018	0.10

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\7316LCSD.D

Date : 21-DEC-2009 20:49

Client ID: 7316LCSD

Instrument: secd04.i

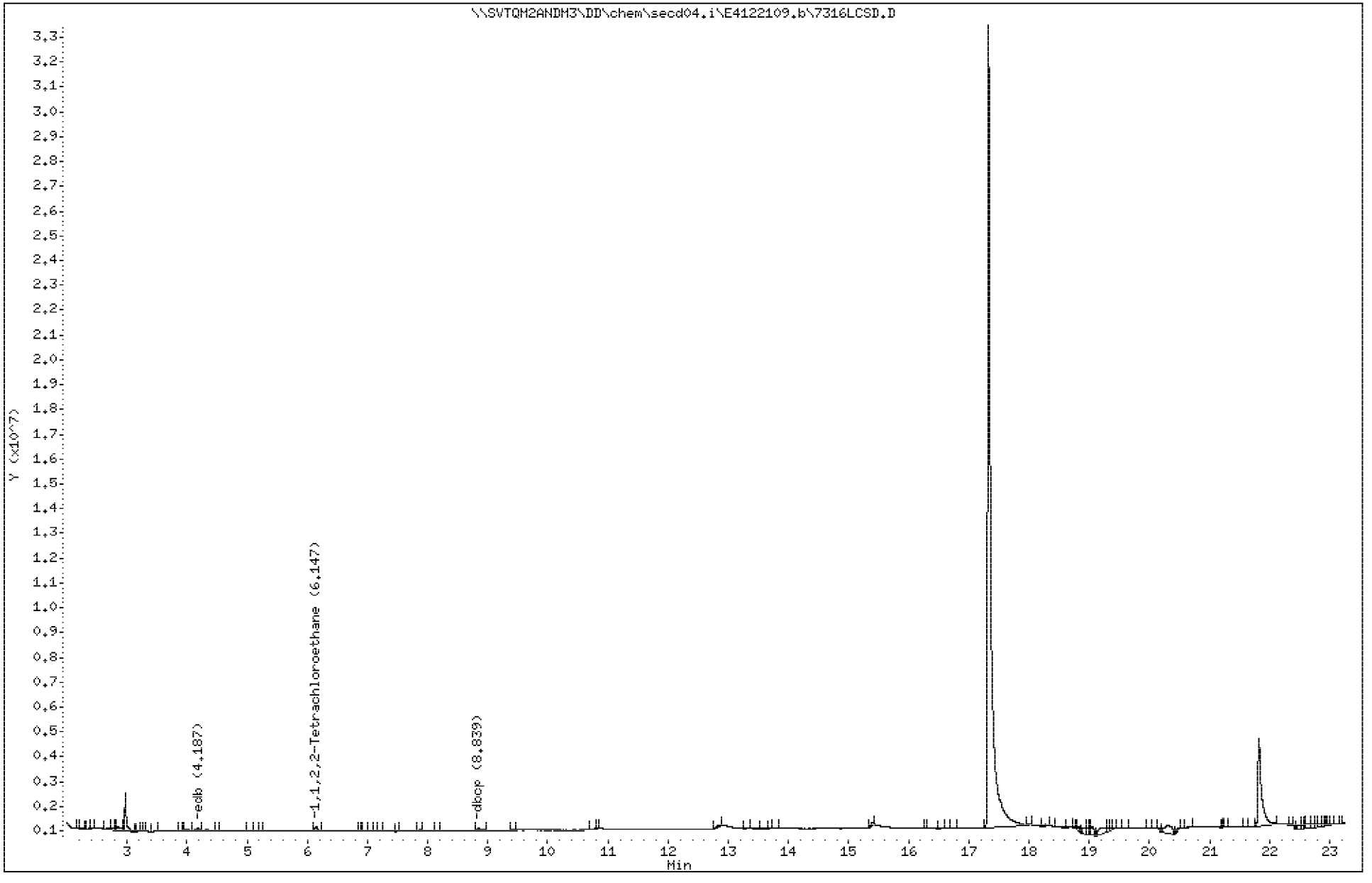
Sample Info: e296794

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\E4122109.b\463-2.D
Lab Smp Id: 251446302 Client Smp ID: ST106-GW-10625-1211
Inj Date : 21-DEC-2009 21:21
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e251446302
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4122109.b\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 17:30 Cal File: EDBCAL6.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)
1 edb	4.188	4.181	0.007	160150	0.06002	0.060
$ 2 1,1,2,2-Tetrachloroethane	6.148	6.144	0.004	348590	0.21467	0.21

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\463-2.D

Date : 21-DEC-2009 21:21

Client ID: ST106-GW-10625-1211

Instrument: secd04.i

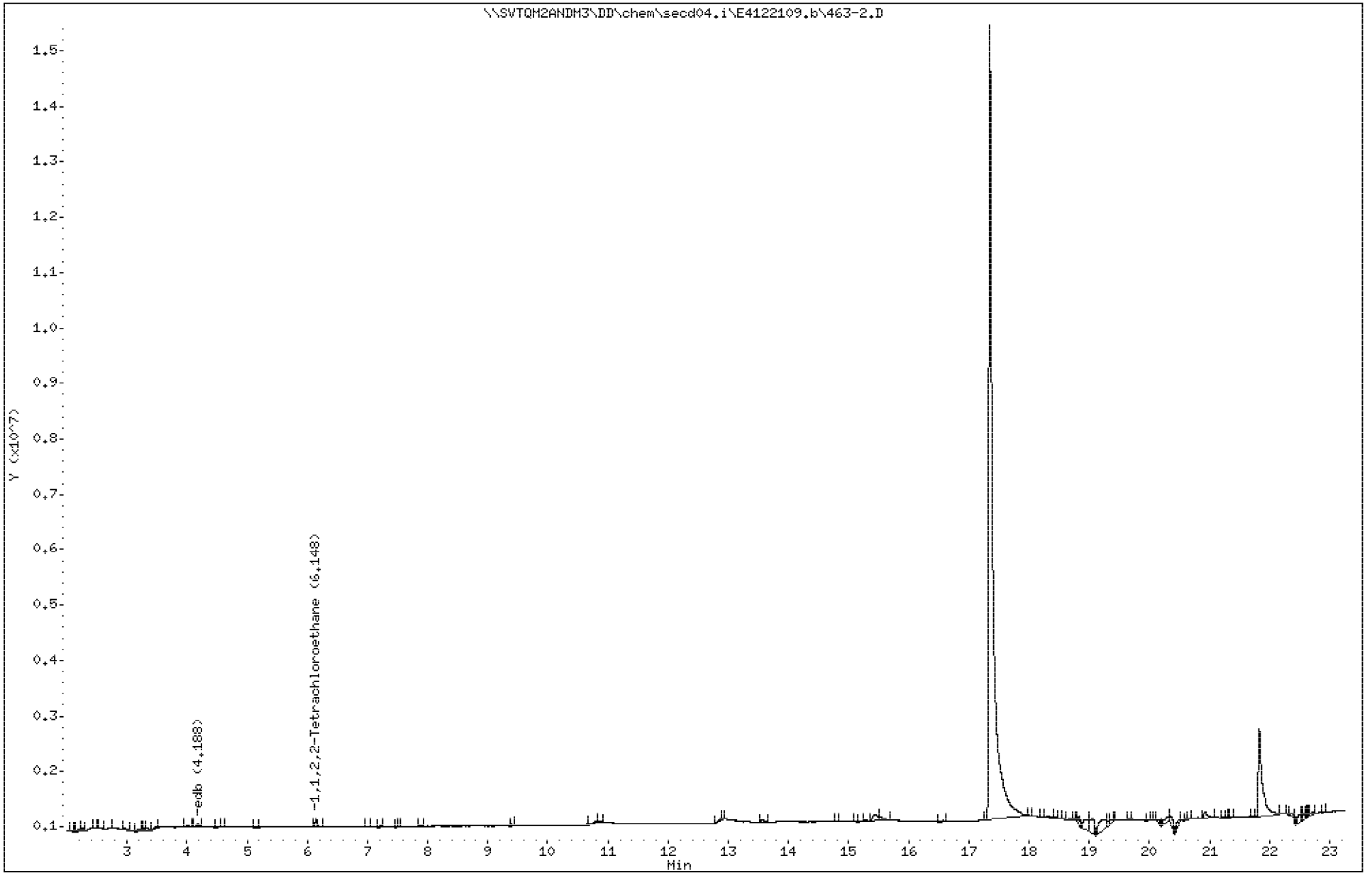
Sample Info: e251446302

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\E4122109.b\E4122109.b\463-2.D
Lab Smp Id: 251446302 Client Smp ID: ST106-GW-10625-1211
Inj Date : 21-DEC-2009 21:21
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e251446302
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4122109.b\8011.m\8011.m
Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 18:02 Cal File: EDBCAL5.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)
	1 edb	4.321	4.317	0.004	172935	0.05634	0.056
$	2 1,1,2,2-Tetrachloroethane	6.346	6.348	-0.002	462887	0.26784	0.27

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\E4122109.b\463-2.D

Date : 21-DEC-2009 21:21

Client ID: ST106-GW-10625-1211

Instrument: secd04.i

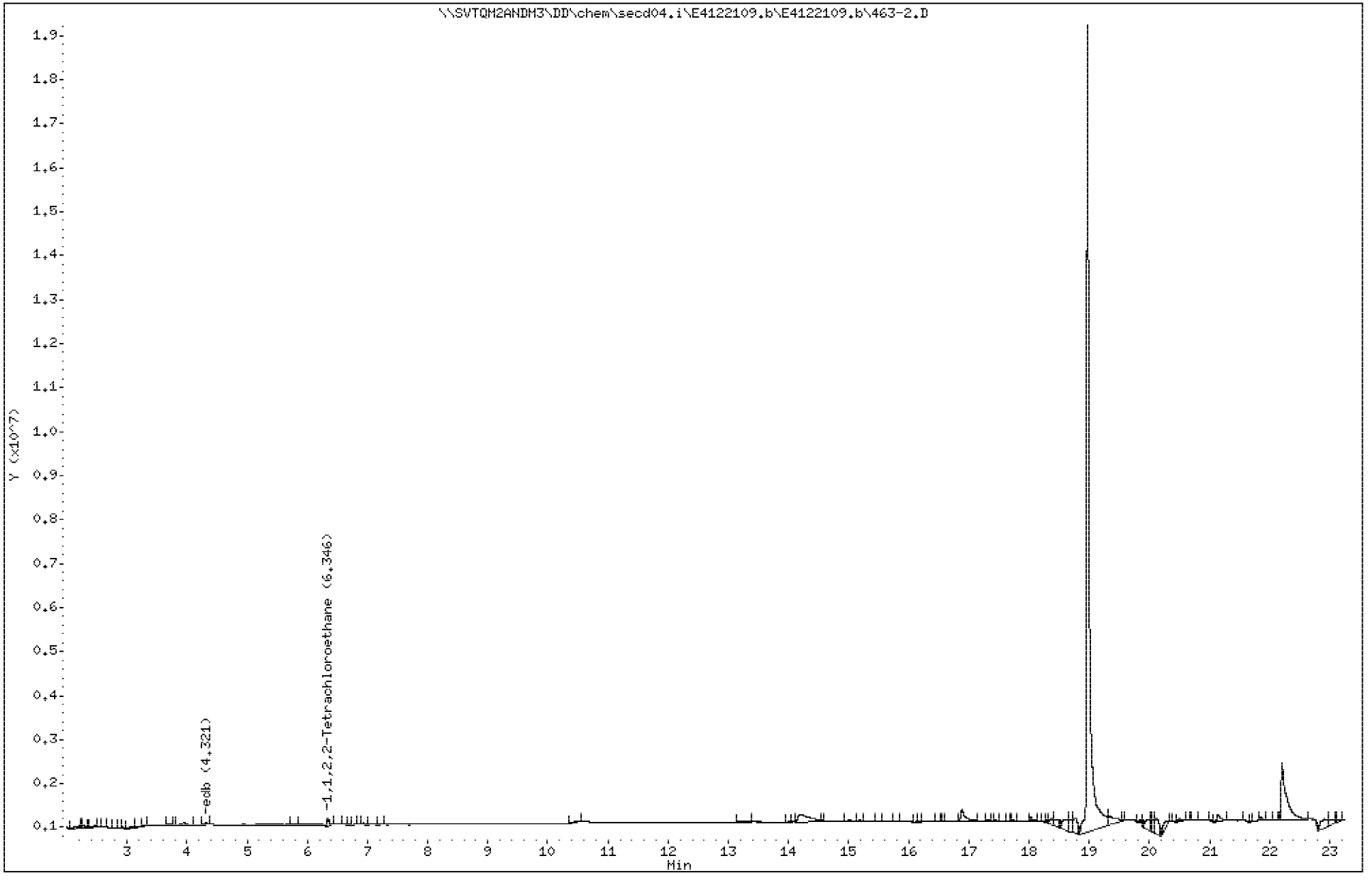
Sample Info: e251446302

Purge Volume: 35.3

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\E4122109.b\EDBCCV2.D
Lab Smp Id: 296787 Client Smp ID: EDBCCV2
Inj Date : 21-DEC-2009 23:23
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296787
Misc Info :
Comment :
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Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 18:02 Cal File: EDBCAL5.D
Als bottle: 2 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	4.325	4.325	0.000	295320	0.12000	0.10
$ 2 1,1,2,2-Tetrachloroethane	6.350	6.350	0.000	214907	0.12000	0.12(M)
3 dbcp	9.035	9.035	0.000	351410	0.12000	0.12

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\E4122109.b\EDBCCV2.D

Date : 21-DEC-2009 23:23

Client ID: EDBCCV2

Instrument: secd04.i

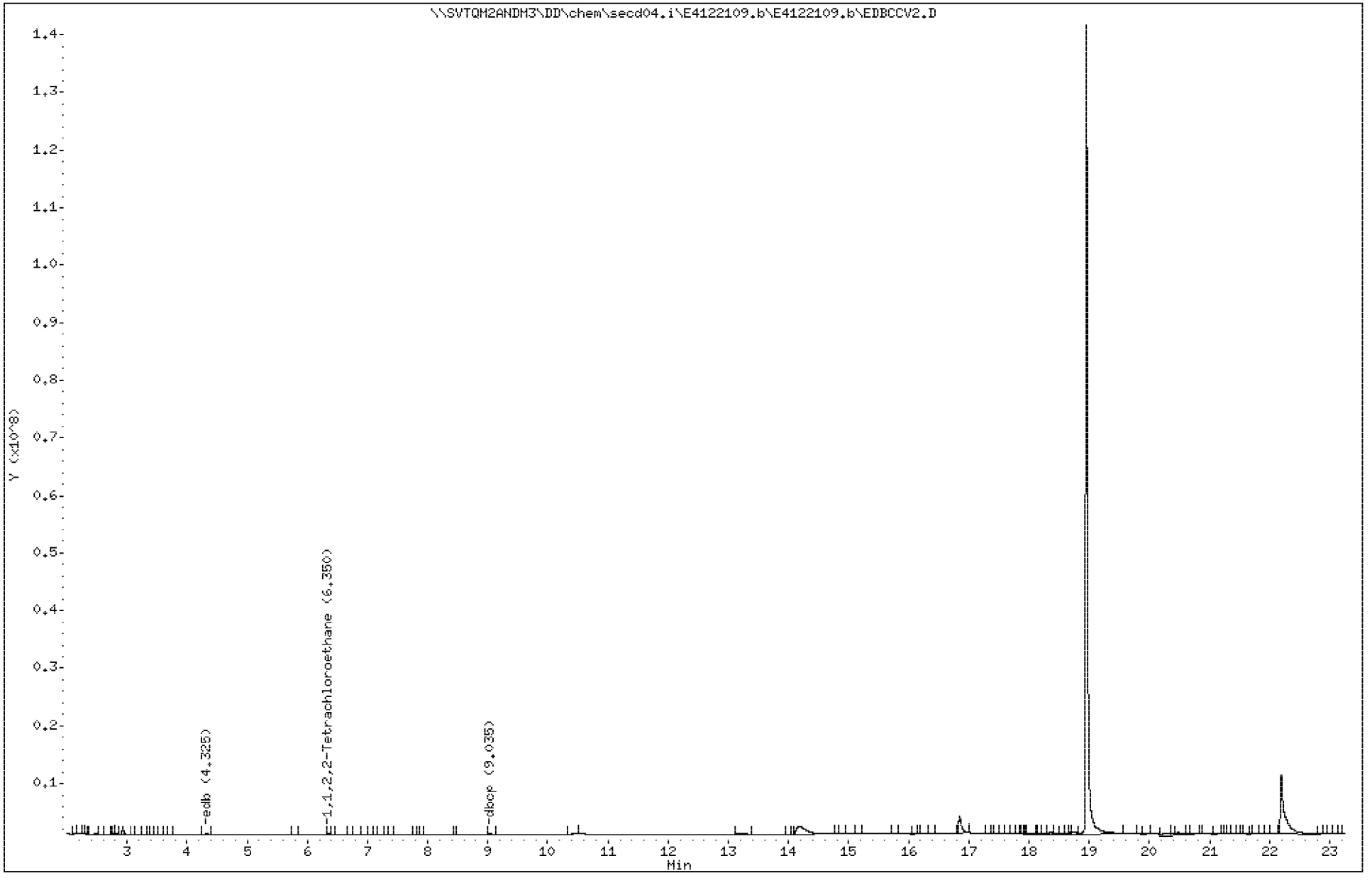
Sample Info: e296787

Purge Volume: 35.1

Operator: PEL Labs

Column phase: Stx-CLPesticides2

Column diameter: 0.32



PEL Laboratories, Inc.

Data file : \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\EDBCCV2.D
Lab Smp Id: 296787 Client Smp ID: EDBCCV2
Inj Date : 21-DEC-2009 23:23
Operator : PEL Labs Inst ID: secd04.i
Smp Info : e296787
Misc Info :
Comment :
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Meth Date : 31-Dec-2009 14:21 secd04.i Quant Type: ESTD
Cal Date : 19-DEC-2009 17:30 Cal File: EDBCAL6.D
Als bottle: 2 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	4.193	4.193	0.000	283589	0.12000	0.11
$ 2 1,1,2,2-Tetrachloroethane	6.150	6.150	0.000	174494	0.12000	0.11
3 dbcp	8.840	8.840	0.000	378304	0.12000	0.11

Data File: \\SVTQM2ANDM3\DD\chem\secd04.i\E4122109.b\EDBCCV2.D

Date : 21-DEC-2009 23:23

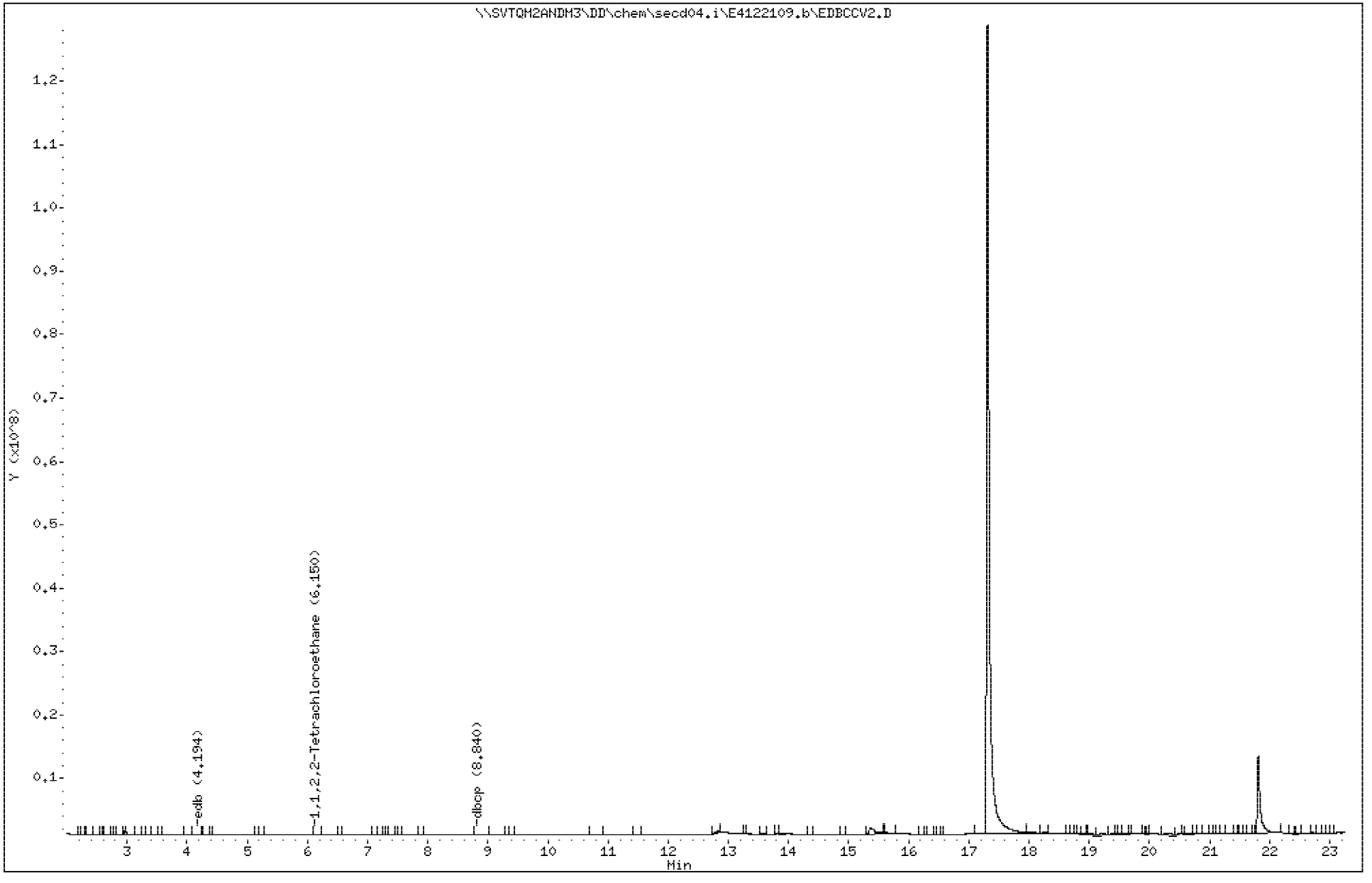
Client ID: EDBCCV2

Instrument: secd04.i

Sample Info: e296787

Purge Volume: 35.1

Operator: PEL Labs

Column phase: Stx-CLPesticides1

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