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Laboratories

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Dear Client:

Enclosed please find the requested data package.

Any questions or concerns you might have regarding this data package should be directed to your client representative,
Richard Entz, at (717) 656-2300.

Sincerely yours,

LANCASTER LABORATORIES, INC.
Data Deliverables Department

NOV 18 2005
LBG



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**NYSDEC ASP Category B Data Package
for
Leggette Brashers & Graham**

SDG# CHA02

Project: Charlton Cleaners
Air Samples
Collected on 10/19/05
Sample No. 4628491-4628494

PA Cert. # 36-037
NY Cert. # 10670
NJ Cert. # PA011
NC Cert. # 521

Prepared by *Cathy A. Schwaab*
Reviewed by *Jeff E. Jones*
Date *November 16, 2005*



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**Sample Reference List for SDG Number CHA02
with a Data Package Type of NYSDEC B
11827 - Leggette Brashears & Graham
Project: Charlton Cleaners**

Lab Sample Number	Lab Sample Code	Client Sample Description
4628491	BAE36	Basement Equipment Room SUMMA Canister #0136 Grab Air Sample
4628492	BMA23	Basement Main Area SUMMA Canister #0323 Grab Air Sample
4628493	1FLDS	1st Floor Loading Dock SUMMA Canister #0016 Grab Air Sample
4628494	1FACC	1st Floor Store Area SUMMA Canister #0232 Grab Air Sample

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For Lancaster Laboratories use only

For Lancaster Laboratories use only
Acct. # 11827 Group# 963960 Sample # 4628491-94

COC # 0090386

[illegible]

Environmental Sample Administration Receipt Documentation Log

Client/Project: LB6-NY Shipping Container Sealed: (Y) / N
 Date of Receipt: 10/20/05 Custody Seal Present: Y / (N)
 Time of Receipt: 0915 Custody Seal Intact: Y / N / (NA)
 Source Code: 50-1 Package: Chilled / (Not Chilled)
 Unpacker Emp. No.: 210

Temperature of Shipping Containers	
#1	#2
Thermometer ID: _____	Thermometer ID: _____
Temp.: _____	Temp.: _____
Temp. Bottle / Surface Temp.	Temp. Bottle / Surface Temp.
Wet Ice / Dry Ice / Ice Packs	Wet Ice / Dry Ice / Ice Packs
Ice Present? Y / N	Ice Present? Y / N
Loose / Bagged	Loose / Bagged
#3	#4
Thermometer ID: _____	Thermometer ID: _____
Temp.: _____	Temp.: _____
Temp. Bottle / Surface Temp.	Temp. Bottle / Surface Temp.
Wet Ice / Dry Ice / Ice Packs	Wet Ice / Dry Ice / Ice Packs
Ice Present? Y / N	Ice Present? Y / N
Loose / Bagged	Loose / Bagged

Paperwork Discrepancy/Unpacking Problems: _____
+ 4 flow controllers

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Shirley Huthman</u>	<u>10/20/05</u>	<u>1340</u>	Unpacking
<u>W.S. Gpa</u>	<u>10/20/05</u>	<u>1355</u>	Place in Storage or <u>(Entry)</u>
			Remove from Storage
			Place in Storage or Entry
			Entry

Chain-of-Custody Record

0004

Secure Storage Chain of Custody

Bottle Type: Summa Canister

Page #5	VOID
8CT404	11/16/05
0006	



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METHODOLOGY SUMMARY/REFERENCE

5298 T015 VOA Extended List

Samples in passivated SUMMA canisters are concentrated on a cryogenic trap and a cryofocusing trap after passing through a micro purge and trap water removal system. The cryofocuser is heated and the volatile organics are desorbed onto a GC/MS system for chromatographic and mass spectral analysis.

Reference: Methods for the Determination of Toxic Organic
Compounds in Air, EPA Method T015, 1999

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ANALYTICAL RESULTS

Prepared for:

Leggette Brashears & Graham
110 Corporate Park Drive
Suite 112
White Plains NY 10604

914-694-5177

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this subinitial is 963960. Samples arrived at the laboratory on Thursday, October 20, 2005. The PO# for this group is CHARLTON CLEANERS.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
Basement Equipment Room SUMMA Canister #0136	4628491
Basement Main Area SUMMA Canister #0323 Grab Air	4628492
1st Floor Loading Dock SUMMA Canister #0016 Grab	4628493
1st Floor Store Area SUMMA Canister #0232 Grab Air	4628494

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO	Leggette Brashears & Graham	Attn: Sean Groszkowski
1 COPY TO	Data Package Group	

0000



Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report



Questions? Contact your Client Services Representative
Richard C Entz at (717) 656-2300

Respectfully Submitted,

Michele J. Smith
Michele J. Smith
Group Leader

0000



Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. AQ 4628491

Basement Equipment Room SUMMA Canister #0136
Grab Air Sample

Charlton Cleaners

Collected: 10/19/2005 09:08 by SG
through 10/19/2005 17:10

Submitted: 10/20/2005 09:15

Reported: 11/09/2005 at 14:41

Discard: 12/10/2005

Account Number: 11827

Leggette Brashears & Graham
110 Corporate Park Drive
Suite 112
White Plains NY 10604

BAE36 SDG#: CHA02-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05298	TO 15 VOA Ext. List					
07202	Dichlorodifluoromethane	75-71-8	4.0 J	0.99	ug/m3	1
07204	Freon 114	76-14-2	N.D.	1.4	ug/m3	1
07205	Chloromethane	74-87-3	2.0 J	0.41	ug/m3	1
07206	Vinyl Chloride	75-01-4	17.	0.51	ug/m3	1
07208	Bromomethane	74-83-9	N.D.	0.78	ug/m3	1
07209	Chloroethane	75-00-3	0.70 J	0.53	ug/m3	1
07212	Trichlorofluoromethane	75-69-4	N.D.	1.1	ug/m3	1
07215	1,1-Dichloroethene	75-35-4	N.D.	0.79	ug/m3	1
07216	Freon 113	76-13-1	N.D.	3.8	ug/m3	1
07221	3-Chloropropene	107-05-1	N.D.	0.63	ug/m3	1
07222	Methylene Chloride	75-09-2	2.0 J	1.7	ug/m3	1
07227	1,1-Dichloroethane	75-34-3	N.D.	0.81	ug/m3	1
07230	cis-1,2-Dichloroethene	156-59-2	190.	12.	ug/m3	15
07234	Chloroform	67-66-3	N.D.	0.98	ug/m3	1
07235	1,1,1-Trichloroethane	71-55-6	N.D.	1.1	ug/m3	1
07236	Carbon Tetrachloride	56-23-5	N.D.	1.3	ug/m3	1
07237	1,2-Dichloroethane	107-06-2	5.0	0.81	ug/m3	1
07238	Benzene	71-43-2	4.0	0.64	ug/m3	1
07241	Trichloroethene	79-01-6	19.	1.1	ug/m3	1
07243	1,2-Dichloropropane	78-87-5	N.D.	0.92	ug/m3	1
07248	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.91	ug/m3	1
07250	Toluene	108-88-3	44.	0.75	ug/m3	1
07252	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.91	ug/m3	1
07254	1,1,2-Trichloroethane	79-00-5	N.D.	1.1	ug/m3	1
07255	Tetrachloroethene	127-18-4	1,700.	20.	ug/m3	15
07258	1,2-Dibromoethane	106-93-4	N.D.	1.5	ug/m3	1
07259	Chlorobenzene	108-90-7	N.D.	0.92	ug/m3	1
07261	Ethylbenzene	100-41-4	8.0	0.87	ug/m3	1
07262	m/p-Xylene	1330-20-7	38.	0.87	ug/m3	1
07263	o-Xylene	95-47-6	12.	0.87	ug/m3	1
07264	Styrene	100-42-5	6.0	0.85	ug/m3	1
07267	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.4	ug/m3	1
07270	4-Ethyltoluene	622-96-8	3.0 J	0.98	ug/m3	1
07271	1,3,5-Trimethylbenzene	108-67-8	3.0 J	0.98	ug/m3	1
07273	1,2,4-Trimethylbenzene	95-63-6	6.0	0.98	ug/m3	1



Lancaster Laboratories Sample No. AQ 4628491

Basement Equipment Room SUMMA Canister #0136
Grab Air Sample

Charlton Cleaners

Collected: 10/19/2005 09:08
through 10/19/2005 17:10

Submitted: 10/20/2005 09:15

Reported: 11/09/2005 at 14:41

Discard: 12/10/2005

Account Number: 11827

Leggette Brashers & Graham
110 Corporate Park Drive
Suite 112

White Plains NY 10604

BAE36 SDG#: CHA02-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07274	1,3-Dichlorobenzene	541-73-1	N.D.	3.0	ug/m3	1
07275	1,4-Dichlorobenzene	106-46-7	N.D.	3.0	ug/m3	1
07277	1,2-Dichlorobenzene	95-50-1	N.D.	3.0	ug/m3	1
07279	1,2,4-Trichlorobenzene	120-82-1	N.D.	15.	ug/m3	1

The QC limits for 1,1,2,2-tetrachloroethane and 1,2,4-trichlorobenzene are advisory only until sufficient data points can be obtained to calculate statistical limits.

The 5 point initial calibration for 1,2,4-trichlorobenzene did not meet TO-15 calibration criteria. Therefore, the values reported for 1,2,4-trichlorobenzene were calculated from a 4 point calibration. The reporting limit for 1,2,4-trichlorobenzene was raised accordingly.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05298	TO 15 VOA Ext. List	EPA TO-15	1	10/29/2005 16:13	Jeffrey B Smith	15
05298	TO 15 VOA Ext. List	EPA TO-15	1	10/29/2005 16:51	Jeffrey B Smith	1

0011



Lancaster Laboratories Sample No. AQ 4628492

Basement Main Area SUMMA Canister #0323 Grab Air Sample

Charlton Cleaners

Collected: 10/19/2005 09:12 by SG

through 10/19/2005 17:15

Submitted: 10/20/2005 09:15

Reported: 11/09/2005 at 14:41

Discard: 12/10/2005

Account Number: 11827

Leggette Brashears & Graham
110 Corporate Park Drive
Suite 112
White Plains NY 10604

BMA23 SDG#: CHA02-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05298	TO 15 VOA Ext. List					
07202	Dichlorodifluoromethane	75-71-8	11.	2.0	ug/m3	2
07204	Freon 114	76-14-2	N.D.	2.8	ug/m3	2
07205	Chloromethane	74-87-3	4.0	0.83	ug/m3	2
07206	Vinyl Chloride	75-01-4	21.	1.0	ug/m3	2
07208	Bromomethane	74-83-9	3.0	1.6	ug/m3	2
07209	Chloroethane	75-00-3	N.D.	1.1	ug/m3	2
07212	Trichlorofluoromethane	75-69-4	3.0	2.2	ug/m3	2
07215	1,1-Dichloroethene	75-35-4	N.D.	1.6	ug/m3	2
07216	Freon 113	76-13-1	N.D.	7.7	ug/m3	2
07221	3-Chloropropene	107-05-1	N.D.	1.3	ug/m3	2
07222	Methylene Chloride	75-09-2	5.0	3.5	ug/m3	2
07227	1,1-Dichloroethane	75-34-3	N.D.	1.6	ug/m3	2
07230	cis-1,2-Dichloroethene	156-59-2	170.	16.	ug/m3	20
07234	Chloroform	67-66-3	N.D.	2.0	ug/m3	2
07235	1,1,1-Trichloroethane	71-55-6	N.D.	2.2	ug/m3	2
07236	Carbon Tetrachloride	56-23-5	N.D.	2.5	ug/m3	2
07237	1,2-Dichloroethane	107-06-2	15.	1.6	ug/m3	2
07238	Benzene	71-43-2	8.0	1.3	ug/m3	2
07241	Trichloroethene	79-01-6	23.	2.1	ug/m3	2
07243	1,2-Dichloropropane	78-87-5	N.D.	1.8	ug/m3	2
07248	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.8	ug/m3	2
07250	Toluene	108-88-3	160.	1.5	ug/m3	2
07252	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.8	ug/m3	2
07254	1,1,2-Trichloroethane	79-00-5	N.D.	2.2	ug/m3	2
07255	Tetrachloroethene	127-18-4	1,600.	27.	ug/m3	20
07258	1,2-Dibromoethane	106-93-4	N.D.	3.1	ug/m3	2
07259	Chlorobenzene	108-90-7	N.D.	1.8	ug/m3	2
07261	Ethylbenzene	100-41-4	27.	1.7	ug/m3	2
07262	m/p-Xylene	1330-20-7	69.	1.7	ug/m3	2
07263	o-Xylene	95-47-6	24.	1.7	ug/m3	2
07264	Styrene	100-42-5	24.	1.7	ug/m3	2
07267	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2.7	ug/m3	2
07270	4-Ethyltoluene	622-96-8	14.	2.0	ug/m3	2
07271	1,3,5-Trimethylbenzene	108-67-8	9.0	2.0	ug/m3	2
07273	1,2,4-Trimethylbenzene	95-63-6	20.	2.0	ug/m3	2

0012



Lancaster Laboratories Sample No. AQ 4628492

Basement Main Area SUMMA Canister #0323 Grab Air Sample

Charlton Cleaners

Collected: 10/19/2005 09:12 by SG
 through 10/19/2005 17:15
 Submitted: 10/20/2005 09:15
 Reported: 11/09/2005 at 14:41
 Discard: 12/10/2005

Account Number: 11827

Leggette Brashears & Graham
 110 Corporate Park Drive
 Suite 112
 White Plains NY 10604

BMA23 SDG#: CHA02-02

CAT No.	Analysis Name	CAS Number	As Received		As Received		Dilution Factor
			Result	Method	Detection Limit	Units	
07274	1,3-Dichlorobenzene	541-73-1	N.D.	6.0		ug/m3	2
07275	1,4-Dichlorobenzene	106-46-7	N.D.	6.0		ug/m3	2
07277	1,2-Dichlorobenzene	95-50-1	N.D.	6.0		ug/m3	2
07279	1,2,4-Trichlorobenzene	120-82-1	N.D.	30.		ug/m3	2

The QC limits for 1,1,2,2-tetrachloroethane and 1,2,4-trichlorobenzene are advisory only until sufficient data points can be obtained to calculate statistical limits.

The 5 point initial calibration for 1,2,4-trichlorobenzene did not meet TO-15 calibration criteria. Therefore, the values reported for 1,2,4-trichlorobenzene were calculated from a 4 point calibration. The reporting limit for 1,2,4-trichlorobenzene was raised accordingly.

The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial #	Date and Time	Analyst	Dilution Factor
05298	TO 15 VOA Ext. list	ERA TO-15	1	10/29/2005 17:29	Jeffrey B Smith	20
05298	TO 15 VOA Ext. list	EPA TO-15	1	10/29/2005 18:07	Jeffrey B Smith	2





Lancaster Laboratories Sample No. AQ 4628493

1st Floor Loading Dock SUMMA Canister #0016 Grab
Air Sample
Charlton Cleaners

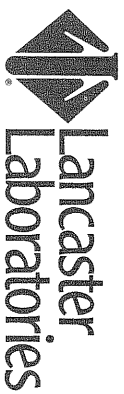
Collected: 10/19/2005 09:20 by SG
through 10/19/2005 17:20
Submitted: 10/20/2005 09:15
Reported: 11/09/2005 at 14:41
Discard: 12/10/2005

Account Number: 11827

Leggette Brashears & Graham
110 Corporate Park Drive
Suite 112
White Plains NY 10604

IFLDS SDG#: CHA02-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05298	TO 15 VOA Ext. List					
07202	Dichlorodifluoromethane	75-71-8	4.0 J	0.99	ug/m3	1
07204	Freon 114	76-14-2	N.D.	1.4	ug/m3	1
07205	Chloromethane	74-87-3	N.D.	0.41	ug/m3	1
07206	Vinyl Chloride	75-01-4	N.D.	0.51	ug/m3	1
07208	Bromomethane	74-83-9	N.D.	0.78	ug/m3	1
07209	Chloroethane	75-00-3	N.D.	0.53	ug/m3	1
07212	Trichlorofluoromethane	75-69-4	2.0 J	1.1	ug/m3	1
07215	1,1-Dichloroethene	75-35-4	N.D.	0.79	ug/m3	1
07216	Freon 113	76-13-1	N.D.	3.8	ug/m3	1
07221	3-Chloropropene	107-05-1	N.D.	0.63	ug/m3	1
07222	Methylene Chloride	75-09-2	5.0	1.7	ug/m3	1
07227	1,1-Dichloroethane	75-34-3	N.D.	0.81	ug/m3	1
07230	cis-1,2-Dichloroethene	156-59-2	3.0 J	0.79	ug/m3	1
07234	Chloroform	67-66-3	N.D.	0.98	ug/m3	1
07235	1,1,1-Trichloroethane	71-55-6	N.D.	1.1	ug/m3	1
07236	Carbon Tetrachloride	56-23-5	N.D.	1.3	ug/m3	1
07237	1,2-Dichloroethane	107-06-2	1.0 J	0.81	ug/m3	1
07238	Benzene	71-43-2	2.0 J	0.64	ug/m3	1
07241	Trichloroethene	79-01-6	N.D.	1.1	ug/m3	1
07243	1,2-Dichloropropane	78-87-5	N.D.	0.92	ug/m3	1
07248	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.91	ug/m3	1
07250	Toluene	108-88-3	24.	0.75	ug/m3	1
07252	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.91	ug/m3	1
07254	1,1,2-Trichloroethane	79-00-5	N.D.	1.1	ug/m3	1
07255	Tetrachloroethene	127-18-4	32.	1.4	ug/m3	1
07258	1,2-Dibromoethane	106-93-4	N.D.	1.5	ug/m3	1
07259	Chlorobenzene	108-90-7	N.D.	0.92	ug/m3	1
07261	Ethylbenzene	100-41-4	5.0	0.87	ug/m3	1
07262	m/p-Xylene	1330-20-7	13.	0.87	ug/m3	1
07263	o-Xylene	95-47-6	4.0 J	0.87	ug/m3	1
07264	Styrene	100-42-5	3.0 J	0.85	ug/m3	1
07267	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.4	ug/m3	1
07270	4-Ethyltoluene	622-96-8	3.0 J	0.98	ug/m3	1
07271	1,3,5-Trimethylbenzene	108-67-8	2.0 J	0.98	ug/m3	1
07273	1,2,4-Trimethylbenzene	95-63-6	3.0 J	0.98	ug/m3	1



Lancaster Laboratories Sample No. AQ 4628493

1st Floor Loading Dock SUMMA Canister #0016 Grab Air Sample

Charlton Cleaners

Collected: 10/19/2005 09:20 by SG

Account Number: 11827

through 10/19/2005 17:20

Leggette Brashears & Graham

Submitted: 10/20/2005 09:15

110 Corporate Park Drive

Reported: 11/09/2005 at 14:41

Suite 112

Discard: 12/10/2005

White Plains NY 10604

1FLDS SDG#: CHA02-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
07274	1,3-Dichlorobenzene	541-73-1	N.D.	3.0	3.0	ug/m3	1
07275	1,4-Dichlorobenzene	106-46-7	N.D.	3.0	3.0	ug/m3	1
07277	1,2-Dichlorobenzene	95-50-1	N.D.	3.0	3.0	ug/m3	1
07279	1,2,4-Trichlorobenzene	120-82-1	N.D.	15.	15.	ug/m3	1

The QC limits for 1,1,2,2-tetrachloroethane and 1,2,4-trichlorobenzene are advisory only until sufficient data points can be obtained to calculate statistical limits.

The 5 point initial calibration for 1,2,4-trichlorobenzene did not meet TO-15 calibration criteria. Therefore, the values reported for 1,2,4-trichlorobenzene were calculated from a 4 point calibration. The reporting limit for 1,2,4-trichlorobenzene was raised accordingly.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05298	TO 15 VOA Ext. List	EPA TO-15	1	10/29/2005 18:45	Jeffrey B Smith	1

0815



Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. AQ 4628494

1st Floor Store Area SUMMA Canister #0232 Grab Air Sample

Charlton Cleaners

Collected: 10/19/2005 09:24 by SG

through 10/19/2005 17:25

Submitted: 10/20/2005 09:15

Reported: 11/09/2005 at 14:42

Discard: 12/10/2005

Account Number: 11827

Leggette Brashears & Graham
110 Corporate Park Drive
Suite 112
White Plains NY 10604

1FACC SDG#: CHA02-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05298	TO 15 VOA Ext. List					
07202	Dichlorodifluoromethane	75-71-8	6.0	0.99	ug/m3	1
07204	Freon 114	76-14-2	N.D.	1.4	ug/m3	1
07205	Chloromethane	74-87-3	2.0	0.41	ug/m3	1
07206	Vinyl Chloride	75-01-4	0.80	0.51	ug/m3	1
07208	Bromomethane	74-83-9	N.D.	0.78	ug/m3	1
07209	Chloroethane	75-00-3	N.D.	0.53	ug/m3	1
07212	Trichlorofluoromethane	75-69-4	2.0	1.1	ug/m3	1
07215	1,1-Dichloroethene	75-35-4	N.D.	0.79	ug/m3	1
07216	Freon 113	76-13-1	N.D.	3.8	ug/m3	1
07221	3-Chloropropene	107-05-1	N.D.	0.63	ug/m3	1
07222	Methylene Chloride	75-09-2	3.0	1.7	ug/m3	1
07227	1,1-Dichloroethane	75-34-3	N.D.	0.81	ug/m3	1
07230	cis-1,2-Dichloroethene	156-59-2	6.0	0.79	ug/m3	1
07234	Chloroform	67-66-3	N.D.	0.98	ug/m3	1
07235	1,1,1-Trichloroethane	71-55-6	N.D.	1.1	ug/m3	1
07236	Carbon Tetrachloride	56-23-5	N.D.	1.3	ug/m3	1
07237	1,2-Dichloroethane	107-06-2	4.0	0.81	ug/m3	1
07238	Benzene	71-43-2	4.0	0.64	ug/m3	1
07241	Trichloroethene	79-01-6	N.D.	1.1	ug/m3	1
07243	1,2-Dichloropropane	78-87-5	N.D.	0.92	ug/m3	1
07248	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.91	ug/m3	1
07250	Toluene	108-88-3	45.	0.75	ug/m3	1
07252	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.91	ug/m3	1
07254	1,1,2-Trichloroethane	79-00-5	N.D.	1.1	ug/m3	1
07255	Tetrachloroethene	127-18-4	74.	1.4	ug/m3	1
07258	1,2-Dibromoethane	106-93-4	N.D.	1.5	ug/m3	1
07259	Chlorobenzene	108-90-7	N.D.	0.92	ug/m3	1
07261	Ethylbenzene	100-41-4	10.	0.87	ug/m3	1
07262	m/p-Xylene	1330-20-7	23.	0.87	ug/m3	1
07263	o-Xylene	95-47-6	8.0	0.87	ug/m3	1
07264	Styrene	100-42-5	6.0	0.85	ug/m3	1
07267	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.4	ug/m3	1
07270	4-Ethyltoluene	622-96-8	4.0	0.98	ug/m3	1
07271	1,3,5-Trimethylbenzene	108-67-8	4.0	0.98	ug/m3	1
07273	1,2,4-Trimethylbenzene	95-63-6	7.0	0.98	ug/m3	1



Lancaster Laboratories Sample No. AQ 4628494

1st Floor Store Area SUMMA Canister #0232 Grab Air Sample

Charlton Cleaners

Collected: 10/19/2005 09:24 by SG
 through 10/19/2005 17:25
 Submitted: 10/20/2005 09:15
 Reported: 11/09/2005 at 14:42
 Discard: 12/10/2005

Account Number: 11827

Leggette Brashears & Graham
 110 Corporate Park Drive
 Suite 112
 White Plains NY 10604

1FACC SDG#: CHA02-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07274	1,3-Dichlorobenzene	541-73-1	N.D.	3.0	ug/m3	1
07275	1,4-Dichlorobenzene	106-46-7	N.D.	3.0	ug/m3	1
07277	1,2-Dichlorobenzene	95-50-1	N.D.	3.0	ug/m3	1
07279	1,2,4-Trichlorobenzene	120-82-1	N.D.	15.	ug/m3	1

The QC limits for 1,1,2,2-tetrachloroethane and 1,2,4-trichlorobenzene are advisory only until sufficient data points can be obtained to calculate statistical limits.

The 5 point initial calibration for 1,2,4-trichlorobenzene did not meet TO-15 calibration criteria. Therefore, the values reported for 1,2,4-trichlorobenzene were calculated from a 4 point calibration. The reporting limit for 1,2,4-trichlorobenzene was raised accordingly.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05298	TO 15 VOA Ext. List	EPA TO-15	1	10/29/2005 00:42	Jeffrey B Smith	1

0017



Lancaster Laboratories, Inc.
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681

GC/MS Volatile Organics in Air

Case Narrative Conformance/Nonconformance Summary



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1

CASE NARRATIVE

Client: Leggette Brashears & Graham
SDG #: CHA02

LANCASTER LABORATORIES
GC/MS VOLATILE ORGANICS IN AIR

SAMPLE NUMBER(S) :

<u>LL #'s</u>	<u>Sample Code</u>	<u>Comments</u>
4628491	BAE36	
4628491	BAE36	15X Dilution
4628492	BMA23	2X Dilution
4628492	BMA23	20X Dilution
4628493	1FLDS	
4628494	1FACC	

LABORATORY SUBMITTED QC:

VBLKC23	VBLKC23	Method Blank
VBLKC25	VBLKC25	Method Blank
LCSC23	LCSC23	Lab Control Sample

All canisters were cleaned by repeated evacuation and pressurization with clean nitrogen, as per SOP-MS-009. Each canister was filled with clean nitrogen and analyzed before the final evacuation prior to shipping to the client. All target compounds were below the limit of quantitation in the cleaning certification analyses.

SAMPLE PREPARATION:

Samples were diluted to two or three times their original absolute pressure upon receipt in the air analysis laboratory using clean nitrogen. This dilution is done to ensure positive pressure in the sample canisters throughout the analysis, minimizing the risk of sample contamination, and bringing the samples to the approximate pressure at which blanks and calibration standards are delivered to the analytical instrumentation. ~~This is a~~ twofold or threefold dilution is offset by analyzing 500cc or 750cc of each sample, two or



Case Narrative (continued)
SDG: CHA02

three times the nominal volume of 250cc upon which the GC/MS calibration is based. This strategy yields an overall dilution factor of 1.0 and allows sample pressurization without raising the limits of quantitation. The nitrogen used to pressurize sample canisters is monitored as the daily method blank to ensure that no contamination of samples occurs during dilution.

Dilutions of 10X or less were performed by analyzing a reduced sample volume. Dilutions greater than 10X were performed by transferring a measured volume from the sample container to a clean, evacuated SUMMA canister with a gas-tight syringe and diluting with zero grade humidified air.

No problems were encountered during the preparation of these samples.

ANALYSIS:

The method used for analysis was EPA Method TO-15.

No problems were encountered during the analysis of these samples.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

A Laboratory Control Sample (LCS) was analyzed with these samples. The LCS serves as a check of analysis and calibration standards validity. All LCS compounds were within the control limits specified on the Laboratory Control Sample Data Sheet.

All QC was within specifications.

DATA INTERPRETATION:

Only non-conformances for client requested compounds are addressed in this case narrative.

All raw data is quantified in units of ppbv, parts per billion by volume.

0021



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3

Case Narrative (continued)
SDG: CHA02

No further interpretation is necessary for the data submitted.

Case Narrative Reviewed and Approved by:



Charles J. Neslund
Manager, GC/MS Volatiles in Air

Date: 11/16/05

0022

GC/MS Volatiles in Air example calculations:

1. Relative response factor (RRF)

$$RRF = A_X/A_{is} * C_{is}/C_x$$

Where:

A_x = Area of the characteristic ion for the compound to be measured

A_{is} = Area of the characteristic ion for the specific internal standard to be measured

C_{is} = Concentration of the internal standard

C_x = Concentration of the compound to be measured.

2. % Relative Standard Deviation (%RSD)

$$\% RSD = \text{standard deviation/mean} * 100$$

3. % Difference (%D)

$$\%D = (RRF_c - RRF_i)/RRF_i * 100$$

Where:

RRF_c = Relative Response factor from the continuing calibration standard

RRF_i = Mean relative response factor from the initial calibration

4. Concentration

$$\text{Concentration (ppbv)} = (A_x * C_{is} * D_f) / (A_{is} * RRF)$$

Where:

A_x, A_{is}, C_{is}, and RRF are given above

D_f = Dilution factor

5. % Recovery

$$\% \text{ Recovery} = (SSR - SR) / SA * 100$$

Where:

SSR = Spiked sample result

SR = Sample result

SA = Spike add

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

ANALYSIS RUNLOG

Instrument ID: HP09464

Data File Path: C:\MSDCHEM\1\DATA\OCT27

File ID	LL #	Sample ID	Anal Date/Time	SUMMA ID	psia Rc'd Fn'l	Dilution Factor	Sample Vol cc
\CJ0650.D	BFB	BFB	10/27/05 07:28				25
\CJ0652.D	VSTD010	VSTD010	10/27/05 07:58				250
\CJ0653.D	VSTD005	VSTD005	10/27/05 08:35				250
\CJ0654.D	VSTD002	VSTD002	10/27/05 09:13				250
\CJ0657.D	VSTD025	VSTD025	10/27/05 11:06				250
\CJ0658.D	VSTD001	VSTD001	10/27/05 11:47				250

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

ANALYSIS RUNLOG

Instrument ID: HP09464

Data File Path: C:\MSDCHEM\1\DATA\OCT28

File ID	IL #	Sample ID	Anal Date/Time	SUMMA ID	psia Rc'd Fn'l	Dilution Factor	Sample Vol cc
\CJ0700.D	BFB	BFB	10/28/05 07:39				25
\CJ0701.D	VSTD010	VSTD010	10/28/05 08:05				250
\CJ0703.D	VBLKC23	VBLKC23	10/28/05 09:42				250
\CJ0704.D	LCSC23	LCSC23	10/28/05 10:18				250
\CJ0722.D	4628494	1FACC	10/29/05 00:42	0232	14.7	29.4	500

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

ANALYSIS RUNLOG

Instrument ID: HP09464

Data File Path: C:\MSDCHEM\1\DATA\OCT29

File ID	LL #	Sample ID	Anal Date/Time	SUMMA ID	psia Rc'd Fn'l		Dilution Factor	Sample Vol cc
\CJ0740.D	BFB	BFB	10/29/05 12:20					25
\CJ0741.D	VSTD010	VSTD010	10/29/05 12:47					250
\CJ0744.D	VBLKC25	VBLKC25	10/29/05 14:57					250
\CJ0746.D	4628491	BAE36	10/29/05 16:13	0136	9.8	29.4	15.0	50
\CJ0747.D	4628491	BAE36	10/29/05 16:51	0136	9.8	29.4	1.0	750
\CJ0748.D	4628492	BMA23	10/29/05 17:29	0323	14.7	29.4	20.0	25
\CJ0749.D	4628492	BMA23	10/29/05 18:07	0323	14.7	29.4	2.0	250
\CJ0750.D	4628493	1FLDS	10/29/05 18:45	0016	7.6	22.9	1.0	750

QC Summary

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

BLANK SUMMARY

Instrument ID: HP09464 Sample No.: VBLKC23 Lab Sample ID: VBLKC23
Injection Volume: 250cc Date Analyzed: 10/28/05 Time Analyzed: 09:42
Lab File ID: C:\MSDCHEM\1\DATA\OCT28\CJ0703.D

THIS BLANK APPLIES TO THE FOLLOWING SAMPLES:

#	SAMPLE NO.	LAB SAMP.ID	LAB FILE ID	CANISTER ID	DATE	TIME
01	LCSC23	LCSC23	\OCT28\CJ0704.D		10/28/05	10:18
02	1FACC	4628494	\OCT28\CJ0722.D	0232	10/29/05	00:42

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

BLANK SUMMARY

Instrument ID: HP09464 Sample No.: VBLKC25 Lab Sample ID: VBLKC25
Injection Volume: 250cc Date Analyzed: 10/29/05 Time Analyzed: 14:57
Lab File ID: C:\MSDCHEM\1\DATA\OCT29\CJ0744.D

THIS BLANK APPLIES TO THE FOLLOWING SAMPLES:

#	SAMPLE NO.	LAB SAMP. ID	LAB FILE ID	CANISTER ID	DATE	TIME
01	BAE36	4628491	\OCT29\CJ0746.D	0136	10/29/05	16:13
02	BAE36	4628491	\OCT29\CJ0747.D	0136	10/29/05	16:51
03	BMA23	4628492	\OCT29\CJ0748.D	0323	10/29/05	17:29
04	BMA23	4628492	\OCT29\CJ0749.D	0323	10/29/05	18:07
05	1FLDS	4628493	\OCT29\CJ0750.D	0016	10/29/05	18:45

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

LABORATORY CONTROL SAMPLE DATA SHEET

Sample No.: LCSC23 Date Analyzed: 10/28/05 Time Analyzed: 10:18
 Lab Sample ID: LCSC23 Instrument ID: HP09464
 Lab File ID: C:\MSDCHEM\1\DATA\OCT28\CJ0704.D

COMPOUND NAME	CONCENTRATION SPIKED	REPORTED (ppbv)	% RECOVERY	LOWER - CONTROL LIMITS	UPPER LIMITS	Q
Dichlorodifluoromethane	10.50	7.49	71	65 -	145	
Freon 114	10.30	7.50	73	73 -	164	
Chloromethane	10.40	7.44	72	66 -	133	
Vinyl Chloride	10.40	7.14	69	63 -	150	
Bromomethane	10.40	7.41	71	44 -	157	
Chloroethane	10.40	7.75	75	61 -	153	
Trichlorofluoromethane	10.40	7.80	75	71 -	145	
1,1-Dichloroethene	10.30	7.79	76	73 -	140	
Freon 113	10.30	8.48	82	68 -	158	
Methylene Chloride	10.40	8.18	79	54 -	158	
1,1-Dichloroethane	10.30	8.11	79	70 -	140	
cis-1,2-Dichloroethene	10.20	8.06	79	62 -	139	
Chloroform	10.30	8.77	85	59 -	161	
1,1,1-Trichloroethane	10.30	8.81	86	74 -	153	
Carbon Tetrachloride	10.80	8.42	78	70 -	133	
1,2-Dichloroethane	10.10	9.31	92	68 -	156	
Benzene	10.65	8.43	79	69 -	148	
Trichloroethene	10.20	7.84	77	68 -	135	
1,2-Dichloropropane	10.30	8.53	83	65 -	153	
cis-1,3-Dichloropropene	9.90	7.59	77	57 -	133	
Toluene	10.30	8.63	84	67 -	136	
trans-1,3-Dichloropropen	10.50	8.77	84	62 -	144	
1,1,2-Trichloroethane	10.30	8.50	83	62 -	124	
Tetrachloroethene	10.30	8.09	79	53 -	132	
1,2-Dibromoethane	10.30	8.53	83	67 -	145	
Chlorobenzene	10.30	8.18	79	71 -	137	
Ethylbenzene	10.30	8.32	81	63 -	140	
m/p-Xylene	20.60	16.92	82	64 -	143	
o-Xylene	10.30	8.89	86	69 -	154	
Styrene	10.30	9.50	92	64 -	163	
1,1,2,2-Tetrachloroethan	10.30	11.24	109	49 -	173	
1,3,5-Trimethylbenzene	10.30	9.68	94	74 -	134	
1,2,4-Trimethylbenzene	10.10	10.12	100	46 -	172	
1,3-Dichlorobenzene	10.10	9.51	94	60 -	157	
1,4-Dichlorobenzene	10.60	9.79	92	25 -	150	
1,2-Dichlorobenzene	10.10	9.35	93	50 -	177	
1,2,4-Trichlorobenzene	10.30	16.80	163	51 -	173	

LCS Recovery: 0 outside limits out of 37 total.

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

GC/MS INSTRUMENT PERFORMANCE CHECK AND MASS CALIBRATION

Sample No.: BFB Date Analyzed: 10/27/05 Time Analyzed: 07:28
 Lab Sample ID: BFB Lab File ID: C:\MSDCHEM\1\DATA\OCT27\CJ0650.D
 Instrument ID: HP09464 Mass BFB Injected: 25 ng

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance to: m/e 95	
		specified mass	
50	15.0 - 40.0% of m/e 95	23.2	23.2
75	30.0 - 60.0% of m/e 95	47.2	47.2
95	Base peak, 100% relative abundance	100.0	100.0
96	5.0 - 9.0% of m/e 95	6.6	6.6
173	Less than 2.0% of m/e 174	0.0	0.0
174	50.0 - 100.0% of m/e 95	75.8	75.8
175	5.0 - 9.0% of m/e 174	5.9	7.8
176	95.0 - 101.0% of m/e 174	72.8	96.0
177	5.0 - 9.0% of m/e 176	4.9	6.7

THIS TUNE APPLIES TO THE FOLLOWING:

Sample No.	Lab Sample ID	Lab File ID	Analysis Date Time	
VSTD010	VSTD010	C:\MSDCHEM\1\DATA\OCT27\CJ0652.D	10/27/05	07:58
VSTD005	VSTD005	C:\MSDCHEM\1\DATA\OCT27\CJ0653.D	10/27/05	08:35
VSTD002	VSTD002	C:\MSDCHEM\1\DATA\OCT27\CJ0654.D	10/27/05	09:13
VSTD025	VSTD025	C:\MSDCHEM\1\DATA\OCT27\CJ0657.D	10/27/05	11:06
VSTD001	VSTD001	C:\MSDCHEM\1\DATA\OCT27\CJ0658.D	10/27/05	11:47

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

GC/MS INSTRUMENT PERFORMANCE CHECK AND MASS CALIBRATION

Sample No.: BFB Date Analyzed: 10/28/05 Time Analyzed: 07:39
 Lab Sample ID: BFB Lab File ID: C:\MSDCHEM\1\DATA\OCT28\CJ0700.D
 Instrument ID: HP09464 Mass BFB Injected: 25 ng

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance to: m/e 95	
		specified mass	
50	15.0 - 40.0% of m/e 95	25.9	25.9
75	30.0 - 60.0% of m/e 95	49.6	49.6
95	Base peak, 100% relative abundance	100.0	100.0
96	5.0 - 9.0% of m/e 95	6.6	6.6
173	Less than 2.0% of m/e 174	0.0	0.0
174	50.0 - 100.0% of m/e 95	77.4	77.4
175	5.0 - 9.0% of m/e 174	6.6	8.5
176	95.0 - 101.0% of m/e 174	75.5	97.5
177	5.0 - 9.0% of m/e 176	4.9	6.5

THIS TUNE APPLIES TO THE FOLLOWING:

Sample No.	Lab Sample ID	Lab File ID	Analysis Date Time	
VSTD010	VSTD010	C:\MSDCHEM\1\DATA\OCT28\CJ0701.D	10/28/05	08:05
VBLKC23	VBLKC23	C:\MSDCHEM\1\DATA\OCT28\CJ0703.D	10/28/05	09:42
LCSC23	LCSC23	C:\MSDCHEM\1\DATA\OCT28\CJ0704.D	10/28/05	10:18
1FACC	4628494	C:\MSDCHEM\1\DATA\OCT28\CJ0722.D	10/29/05	00:42

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

GC/MS INSTRUMENT PERFORMANCE CHECK AND MASS CALIBRATION

Sample No.: BFB Date Analyzed: 10/29/05 Time Analyzed: 12:20
 Lab Sample ID: BFB Lab File ID: C:\MSDCHEM\1\DATA\OCT29\CJ0740.D
 Instrument ID: HP09464 Mass BFB Injected: 25 ng

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance to: m/e 95	
		specified	mass
50	15.0 - 40.0% of m/e 95	24.7	24.7
75	30.0 - 60.0% of m/e 95	49.0	49.0
95	Base peak, 100% relative abundance	100.0	100.0
96	5.0 - 9.0% of m/e 95	6.4	6.4
173	Less than 2.0% of m/e 174	0.0	0.0
174	50.0 - 100.0% of m/e 95	77.5	77.5
175	5.0 - 9.0% of m/e 174	6.1	7.8
176	95.0 - 101.0% of m/e 174	75.2	97.0
177	5.0 - 9.0% of m/e 176	5.1	6.7

THIS TUNE APPLIES TO THE FOLLOWING:

Sample No.	Lab Sample ID	Lab File ID	Analysis	
			Date	Time
VSTD010	VSTD010	C:\MSDCHEM\1\DATA\OCT29\CJ0741.D	10/29/05	12:47
VBLKC25	VBLKC25	C:\MSDCHEM\1\DATA\OCT29\CJ0744.D	10/29/05	14:57
BAE36	4628491	C:\MSDCHEM\1\DATA\OCT29\CJ0746.D	10/29/05	16:13
BAE36	4628491	C:\MSDCHEM\1\DATA\OCT29\CJ0747.D	10/29/05	16:51
BMA23	4628492	C:\MSDCHEM\1\DATA\OCT29\CJ0748.D	10/29/05	17:29
BMA23	4628492	C:\MSDCHEM\1\DATA\OCT29\CJ0749.D	10/29/05	18:07
1FLDS	4628493	C:\MSDCHEM\1\DATA\OCT29\CJ0750.D	10/29/05	18:45

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Sample No.: VSTD010 Date Analyzed: 10/28/05 Time Analyzed: 08:05
 Lab Sample ID: VSTD010 Lab File ID: C:\MSDCHEM\1\DATA\OCT28\CJ0701.D
 Instrument ID: HP09464

	Bromochloromethane Area #	R.T. #	1,4-Difluorobenzene Area #	R.T. #	Chlorobenzene Area #	R.T. #
24 HOUR STANDARD	784315	7.01	2732019	8.70	2282851	14.58
UPPER LIMIT	1568630	7.51	5464038	9.20	4565702	15.08
LOWER LIMIT	392158	6.51	1366010	8.20	1141426	14.08
EPA SAMPLE NO.						
VBKCC23	566273	7.01	2061811	8.69	1826290	14.58
LCSC23	1023334	7.01	3957263	8.69	3645200	14.58
1FACC	1528717	7.01	5244632	8.70	4301798	14.58

AREA: Upper Limit +100% of internal standard area.

Lower Limit -50% of internal standard area.

R.T.: Upper Limit +0.5 minutes of internal standard R.T.

Lower Limit -0.5 minutes of internal standard R.T.

All values outside of the QC limits are flagged with an * in the # column.

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Sample No.: VSTD010 Date Analyzed: 10/29/05 Time Analyzed: 12:47
 Lab Sample ID: VSTD010 Lab File ID: C:\MSDCHEM\1\DATA\OCT29\CJ0741.D
 Instrument ID: HP09464

	Bromochloromethane Area #	R.T. #	1,4-Difluorobenzene Area #	R.T. #	Chlorobenzene Area #	R.T. #
24 HOUR STANDARD	1240511	7.01	4279276	8.70	3559350	14.59
UPPER LIMIT	2481022	7.51	8558552	9.20	7118700	15.09
LOWER LIMIT	620256	6.51	2139638	8.20	1779675	14.09
EPA SAMPLE NO.						
VBLKC25	1282140	7.01	5110543	8.69	4104204	14.58
BAE36	1413292	7.01	5955863	8.69	4669752	14.57
BAE36	1504949	7.01	5937319	8.70	4839166	14.60
BMA23	1349706	7.01	5581138	8.70	4333368	14.58
BMA23	1498937	7.02	6120340	8.70	5127226	14.58
1FLDS	1543513	7.01	6314405	8.69	4856798	14.57

AREA: Upper Limit +100% of internal standard area.
 Lower Limit -50% of internal standard area.
 R.T.: Upper Limit +0.5 minutes of internal standard R.T.
 Lower Limit -0.5 minutes of internal standard R.T.

All values outside of the QC limits are flagged with an * in the # column.

Sample Data

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

MINIMUM DETECTION LIMIT STUDY

Instrument ID: HP09464

Data File Path: C:\MSDCHEM\1\DATA\APR25

CD0354.D 04/25/05 11:42	CD0356.D 04/25/05 16:15	CD0357.D 04/25/05 16:51	CD0358.D 04/25/05 17:27	CD0359.D 04/25/05 18:03	CD0360.D 04/25/05 18:39	CD0361.D 04/25/05 19:15
COMPOUND NAME						
MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7
Propene	0.310	0.260	0.270	0.250	0.250	0.190
Dichlorodifluoromethane	0.360	0.280	0.330	0.320	0.320	0.230
Chlorodifluoromethane	0.330	0.300	0.310	0.280	0.310	0.220
Freon 114	0.330	0.260	0.300	0.290	0.280	0.220
Chloromethane	0.310	0.230	0.300	0.250	0.260	0.170
Vinyl Chloride	0.300	0.240	0.250	0.230	0.240	0.180
1,3-Butadiene	0.230	0.190	0.230	0.220	0.220	0.170
Bromomethane	0.280	0.250	0.260	0.210	0.230	0.180
Chloroethane	0.240	0.220	0.240	0.150	0.240	0.160
Dichlorofluoromethane	0.320	0.260	0.300	0.300	0.290	0.230
Trichlorofluoromethane	0.380	0.290	0.330	0.340	0.340	0.240
Pentane	0.240	0.210	0.280	0.240	0.260	0.530
Acrolein	0.460	0.480	0.560	0.360	0.500	0.190
1,1-Dichloroethene	0.310	0.230	0.270	0.270	0.270	0.200
Freon 113	0.280	0.200	0.290	0.260	0.260	0.210
Acetone	0.490	0.310	0.320	0.290	0.300	0.200
Methyl Iodide	0.270	0.220	0.250	0.250	0.250	0.190
Carbon Disulfide	0.300	0.290	0.300	0.280	0.280	0.210
Acetonitrile	0.290	0.180	0.200	0.200	0.190	0.130
3-Chloropropene	0.160	0.140	0.190	0.120	0.190	0.150
Methylene Chloride	0.400	0.350	0.330	0.330	0.320	0.310
tert-Butyl Alcohol	0.190	0.070	0.050	0.020	0.080	0.030
Acrylonitrile	0.200	0.150	0.210	0.190	0.280	0.150
trans-1,2-Dichloroethene	0.320	0.250	0.280	0.250	0.280	0.190
Methyl t-Butyl Ether	0.250	0.190	0.220	0.220	0.240	0.140
Hexane	0.280	0.200	0.250	0.260	0.260	0.170
1,1-Dichloroethane	0.270	0.230	0.270	0.250	0.260	0.180
Vinyl Acetate	0.190	0.150	0.190	0.200	0.170	0.140
cis-1,2-Dichloroethene	0.270	0.190	0.250	0.240	0.250	0.170
2-Butanone	0.650	0.520	0.700	0.360	0.600	0.560
Ethyl Acetate	0.540	0.410	0.480	0.320	0.410	0.400
Methyl Acrylate	0.190	0.180	0.200	0.190	0.210	0.140
Chloroform	0.330	0.240	0.320	0.290	0.290	0.220
1,1,1-Trichloroethane	0.330	0.270	0.320	0.320	0.300	0.220
Carbon Tetrachloride	0.320	0.260	0.310	0.300	0.290	0.220
1,2-Dichloroethane	0.350	0.280	0.350	0.330	0.350	0.230
Benzene	0.290	0.240	0.270	0.260	0.260	0.190
Isooctane	0.300	0.210	0.250	0.250	0.240	0.180
Heptane	0.230	0.190	0.260	0.240	0.240	0.140
Trichloroethene	0.290	0.190	0.280	0.250	0.250	0.180
Ethyl Acrylate	0.220	0.170	0.210	0.220	0.240	0.130

MINIMUM DETECTION LIMIT STUDY

Data File Path: C:\MSDCHEM\1\DATA\APR25

COMPOUND NAME	MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7	MDL
1,2-Dichloropropane	0.310	0.210	0.300	0.280	0.300	0.210	0.220	0.145
Methyl Methacrylate	0.170	0.160	0.190	0.150	0.210	0.120	0.140	0.096
Dibromomethane	0.250	0.240	0.270	0.250	0.260	0.180	0.190	0.110
1,4-Dioxane	1.290	1.210	1.260	1.080	1.290	1.390	1.210	0.062
Bromodichloromethane	0.360	0.310	0.370	0.350	0.330	0.250	0.270	0.144
cis-1,3-Dichloropropene	0.200	0.150	0.190	0.190	0.180	0.130	0.130	0.094
4-Methyl-2-Pentanone	0.290	0.230	0.270	0.300	0.280	0.180	0.210	0.142
Toluene	0.350	0.210	0.250	0.230	0.250	0.180	0.190	0.178
Octane	0.190	0.160	0.210	0.190	0.210	0.140	0.170	0.082
trans-1,3-Dichloropropene	0.140	0.160	0.200	0.130	0.170	0.130	0.160	0.160
Ethyl Methacrylate	0.160	0.160	0.200	0.210	0.200	0.150	0.150	0.083
1,1,2-Trichloroethane	0.270	0.210	0.260	0.240	0.270	0.190	0.230	0.097
Tetrachloroethene	0.250	0.210	0.270	0.230	0.250	0.180	0.210	0.097
2-Hexanone	0.250	0.240	0.310	0.260	0.280	0.190	0.240	0.117
Dibromochloromethane	0.280	0.240	0.300	0.310	0.320	0.200	0.220	0.148
1,2-Dibromoethane	0.250	0.210	0.270	0.270	0.260	0.180	0.180	0.128
Chlorobenzene	0.270	0.240	0.290	0.280	0.260	0.210	0.210	0.102
1,1,1,2-Tetrachloroethane	0.270	0.220	0.300	0.290	0.260	0.200	0.190	0.138
Ethylbenzene	0.320	0.230	0.280	0.270	0.250	0.190	0.200	0.145
m/p-Xylene	0.510	0.460	0.550	0.510	0.530	0.380	0.390	0.166
o-Xylene	0.260	0.190	0.240	0.240	0.240	0.160	0.160	0.132
Styrene	0.170	0.150	0.210	0.210	0.190	0.140	0.140	0.097
Bromoform	0.270	0.260	0.300	0.320	0.320	0.210	0.230	0.135
Cumene	0.200	0.190	0.250	0.240	0.230	0.160	0.180	0.105
1,1,2,2-Tetrachloroethane	0.330	0.310	0.390	0.370	0.380	0.250	0.290	0.163
1,2,3-Trichloropropane	0.280	0.270	0.340	0.330	0.350	0.180	0.300	0.183
Bromobenzene	0.230	0.250	0.310	0.280	0.310	0.200	0.220	0.138
4-Ethyltoluene	0.230	0.170	0.240	0.210	0.230	0.150	0.170	0.113
1,3,5-Trimethylbenzene	0.260	0.220	0.290	0.260	0.260	0.180	0.210	0.119
Alpha Methyl Styrene	0.170	0.180	0.260	0.240	0.230	0.180	0.170	0.172
1,2,4-Trimethylbenzene	0.230	0.190	0.250	0.210	0.230	0.150	0.170	0.113
1,3-Dichlorobenzene	0.170	0.210	0.270	0.270	0.260	0.170	0.200	0.141
1,4-Dichlorobenzene	0.380	0.260	0.280	0.260	0.260	0.160	0.190	0.221
Benzyl chloride	0.260	0.190	0.240	0.240	0.240	0.160	0.160	0.132
1,2-Dichlorobenzene	0.150	0.200	0.260	0.240	0.270	0.170	0.190	0.145
Hexachloroethane	0.250	0.260	0.390	0.380	0.380	0.270	0.280	0.201
1,2,4-Trichlorobenzene	0.080	0.150	0.140	0.160	0.190	0.130	0.140	0.105
Hexachlorobutadiene	0.120	0.160	0.270	0.300	0.310	0.230	0.280	0.229

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR
SUMMA CANISTER SAMPLE
ANALYSIS DATA SHEET

Sample No.: BAE36 Date Collected: 10/19/05 Date Received: 10/20/05
Lab Sample ID: 4628491 Date Analyzed: 10/29/05 Time Analyzed: 16:51
Canister ID: SUMMA0136 Pressure Rec'd: 9.8 psia Final Pressure: 29.4 psia
Injection Volume: 750 ~~cc~~ ^{cc} Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP09464 ¹⁷⁶ ~~176~~ Lab File ID: C:\MSDCHEM\1\DATA\OCT29\CJ0747.D ^{11/12/05}

CAS RN	COMPOUND NAME	CONCENTRATION	UNITS: MDL	ug/m3	Q
75-71-8	Dichlorodifluoromethane	4			J
76-14-2	Freon 114	1			U
74-87-3	Chloromethane	2			J
75-01-4	Vinyl Chloride	17			
74-83-9	Bromomethane	0.8			U
75-00-3	Chloroethane	0.7			J
75-69-4	Trichlorofluoromethane	1			J
75-35-4	1,1-Dichloroethene	0.8			U
76-13-1	Freon 113	4			U
107-05-1	3-Chloropropene	2			U
75-09-2	Methylene Chloride	2			J
75-34-3	1,1-Dichloroethane	0.8			U
156-59-2	cis-1,2-Dichloroethene	190			D
67-66-3	Chloroform	1			U
71-55-6	1,1,1-Trichloroethane	1			U
56-23-5	Carbon Tetrachloride	1			U
107-06-2	1,2-Dichloroethane	5			
71-43-2	Benzene	4			
79-01-6	Trichloroethene	19			
78-87-5	1,2-Dichloropropane	0.9			U
10061-01-5	cis-1,3-Dichloropropene	0.9			U
108-88-3	Toluene	44			
10061-02-6	trans-1,3-Dichloropropene	0.9			U
79-00-5	1,1,2-Trichloroethane	1			U
127-18-4	Tetrachloroethene	1700			D
106-93-4	1,2-Dibromoethane	2			U
108-90-7	Chlorobenzene	0.9			U
100-41-4	Ethylbenzene	8			
1330-20-7	m/p-Xylene	38			
95-47-6	o-Xylene	12			
100-42-5	Styrene	6			
79-34-5	1,1,2,2-Tetrachloroethane	1			U
622-96-8	4-Ethyltoluene	3			J
108-67-8	1,3,5-Trimethylbenzene	3			J

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR
SUMMA CANISTER SAMPLE
ANALYSIS DATA SHEET

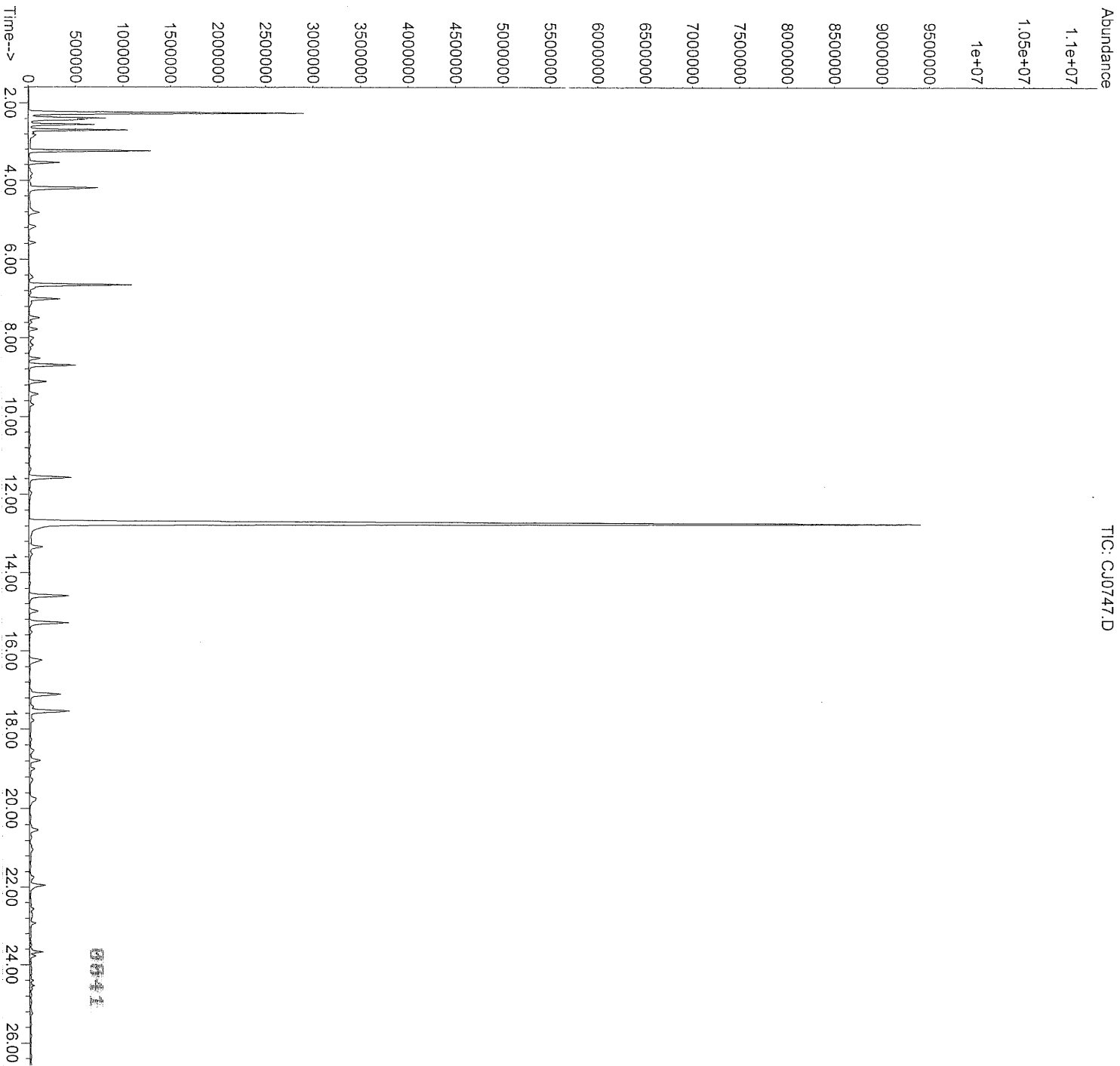
Sample No.: BAE36 Date Collected: 10/19/05 Date Received: 10/20/05
 Lab Sample ID: 4628491 Date Analyzed: 10/29/05 Time Analyzed: 16:51
 Canister ID: SUMMA0136 Pressure Rec'd: 9.8 psia Final Pressure: 29.4 psia
 Injection Volume: 750 cc Nominal Volume: 250 cc Dilution Factor: 1.0
 Instrument ID: HP09464 ~~8/30~~ ^{11/16/05} Lab File ID: C:\MSDCHEM\1\DATA\OCT29\CJ0747.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL	ug/m3	Q
95-63-6	1,2,4-Trimethylbenzene	6		
541-73-1	1,3-Dichlorobenzene	3		U
106-46-7	1,4-Dichlorobenzene	3		U
95-50-1	1,2-Dichlorobenzene	3		U
120-82-1	1,2,4-Trichlorobenzene	7		U

U = Compound was undetected at the specified limit of quantitation.
 B = Compound was found in method blank. D = analysis of diluted sample.
 J = Compound was detected, but below the limit of quantitation.

Data Path : C:\MSDCHEM\1\DATA\OCT29\
 Data File : CJ0747.D
 Acq On : 29 Oct 2005 16:51
 Operator : JBS
 Sample : 4628491 750CC
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Nov 07 23:20:14 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
 Quant Title :
 QLast Update : Sat Oct 29 13:19:44 2005
 Response via : Initial Calibration



Data Path : C:\MSDCHEM\1\DATA\OCT29\
 Data File : CJ0747.D
 Acq On : 29 Oct 2005 16:51
 Operator : JBS
 Sample : 4628491 750CC
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Nov 07 23:20:14 2005

Quant Method : C:\MSDCHEM\1\METHODS\ALLT015.M

Quant Title :

Quant Update : Sat Oct 29 13:19:44 2005

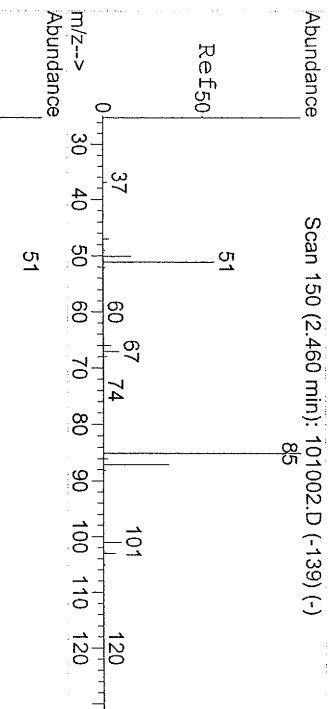
Response via : Initial Calibration

Internal Standards	R.T.	Q Ion	Response	Conc	Units	Dev (Min)
1) Bromochloromethane	7.01	130	1504949	10.000		0.00
37) 1,4-Difluorobenzene	8.70	114	5937319	10.000		0.00
51) Chlorobenzene d5	14.59	117	4839166	10.000		0.00

Target Compounds						Qvalue
3) Dichlorodifluoromethane	2.42	85	326279	0.741	PPB	100
6) Chloromethane	2.58	50	231418	0.817	PPB	52
7) Vinyl Chloride	2.70	62	1336750	6.728	PPB	97
10) Chloroethane	3.15	64	27633m	0.280	PPB	
12) Trichlorofluoromethane	3.44	101	94839	0.220	PPB	97
22) Methylene Chloride	4.76	84	69247	0.548	PPB	87
30) cis-1,2-Dichloroethene	6.65	61	10835324	43.973	PPB	77
38) 1,2-Dichloroethane	8.05	62	280393	1.174	PPB	99
39) Benzene	8.00	78	576614	1.189	PPB	93
42) Trichloroethene	9.11	130	944818	3.558	PPB	88
52) Toluene	11.57	91	6049226	11.642	PPB	99
57) Tetrachloroethene	12.73	166	56589631	236.959	PPB	97
63) Ethylbenzene	14.99	91	1334403	1.835	PPB	92
64) m/p-Xylene	15.29	91	5074306	8.649	PPB	91
65) o-Xylene	16.24	91	1597781	2.809	PPB	90
66) Styrene	16.28	104	587069	1.425	PPB	100
72) 4-Ethyltoluene	18.54	105	484581m	0.631	PPB	
73) 1,3,5-Trimethylbenzene	18.78	105	397596	0.603	PPB	90
75) 1,2,4-Trimethylbenzene	19.74	105	778474	1.195	PPB	83
81) 1,2,4-Trichlorobenzene	24.92	180	43063	0.274	PPB	83

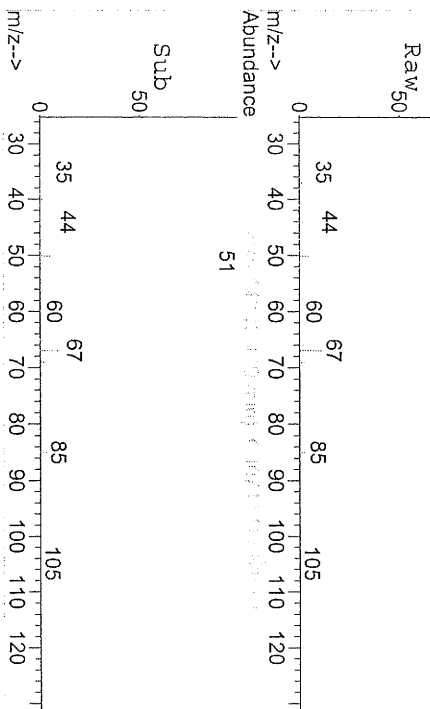
(#) = qualifier out of range (m) = manual integration (+) = signals summed

0842



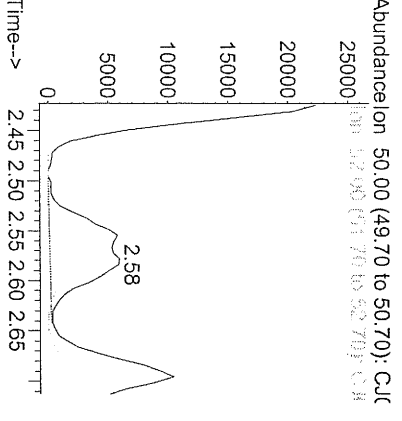
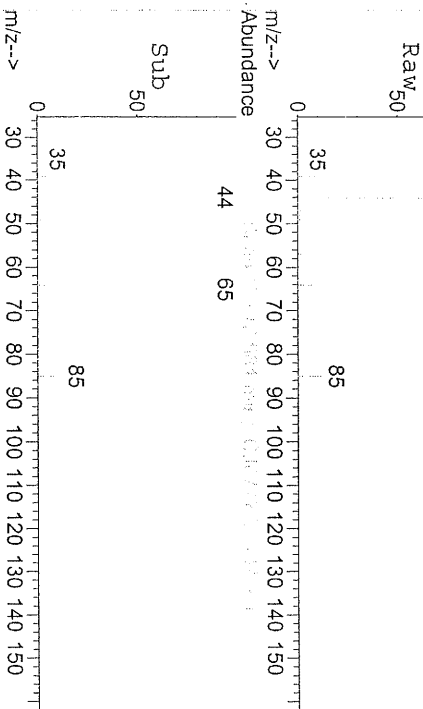
#3
 Dichlorodifluoromethane
 Concen: 0.74 PPB
 RT: 2.42 min Scan# 143
 Delta R.T. -0.00 min
 Lab File: CJ0747.D
 Acq: 29 Oct 2005 16:51

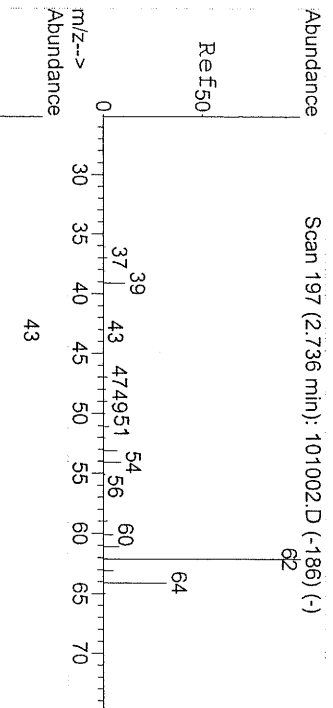
Tgt Ion: 85 Resp: 326279
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.7 38.5



#6
 Chloromethane
 Concen: 0.82 PPB
 RT: 2.58 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: CJ0747.D
 Acq: 29 Oct 2005 16:51

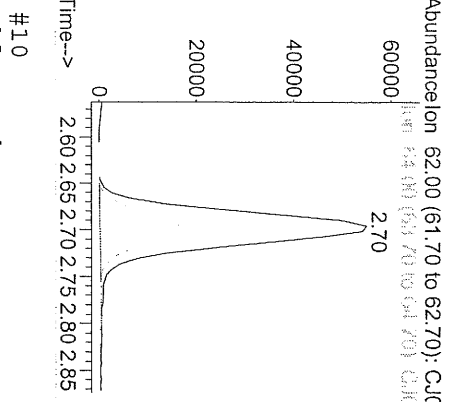
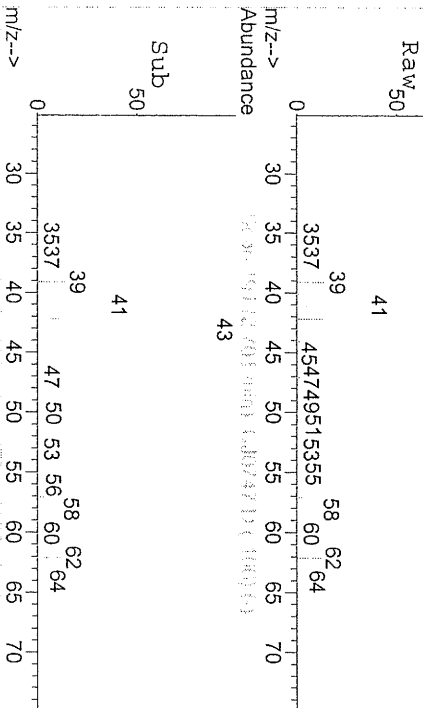
Tgt Ion: 50 Resp: 231418
 Ion Ratio Lower Upper
 50 100
 52 0.0 18.6 28.0#





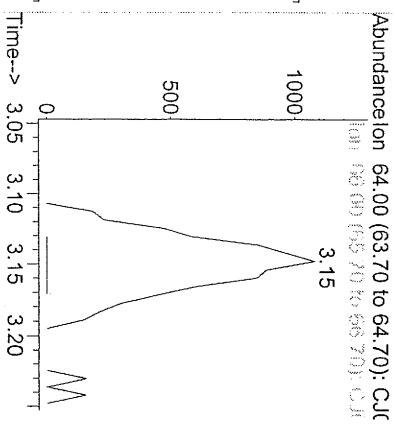
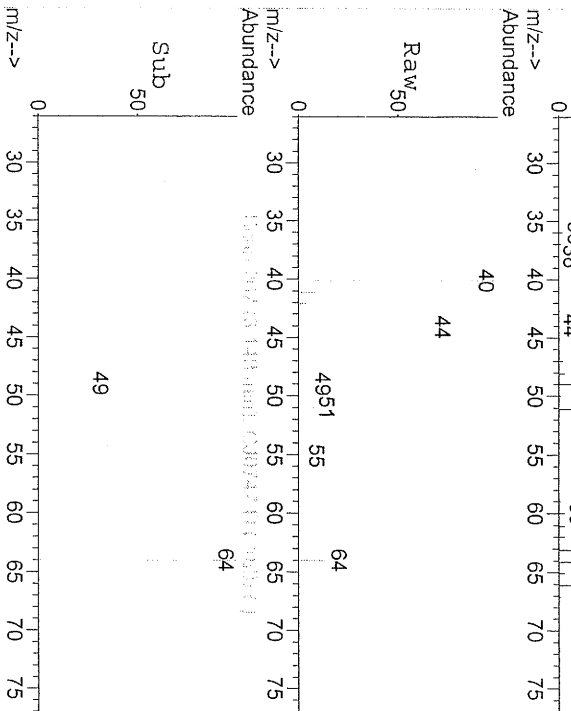
#7
Vinyl Chloride
Concen: 6.73 PPB
RT: 2.70 min Scan# 191
Delta R.T. -0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion: 62 Resp: 1336750
Ion Ratio Lower Upper
62 100
64 31.2 23.8 35.6



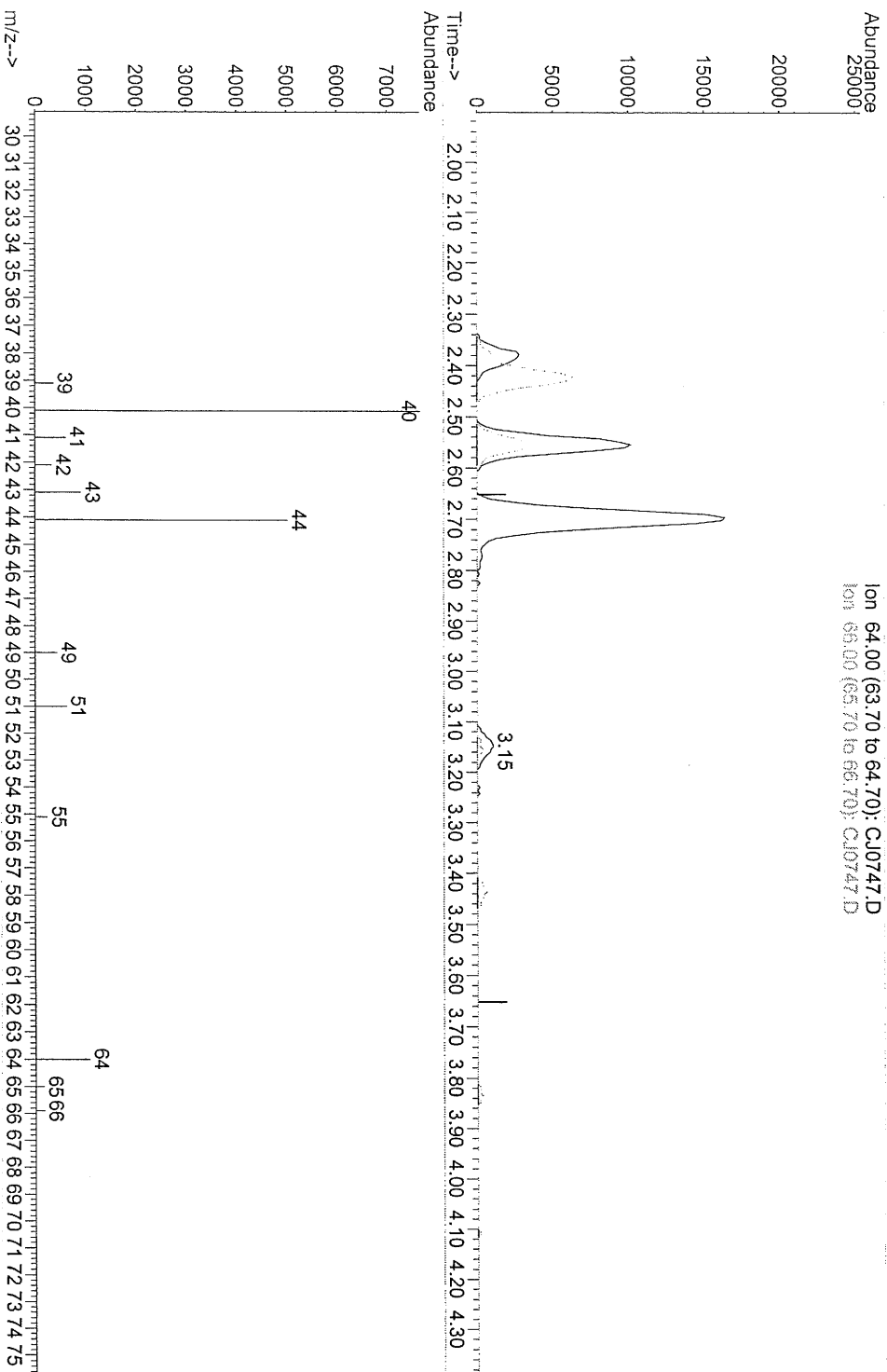
#10
Chloroethane
Concen: 0.28 PPB m
RT: 3.15 min Scan# 267
Delta R.T. -0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion: 64 Resp: 27633
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



0001

Data Path : C:\MSDCHEM\1\DATA\OCT29\
 Data File : CJ0747.D
 Acq On : 29 Oct 2005 16:51
 Operator : JBS
 Sample : 4628491 750CC
 Misc :
 ALS Vial : 41 Sample Multiplier: 1
 Quant Time: Oct 29 16:18:11 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLT015.M
 Quant Title :
 Qlast Update : Sat Oct 29 13:19:44 2005
 Response via : Initial Calibration



(10) Chloroethane

3.148min (-0.004) 0.28PPB m

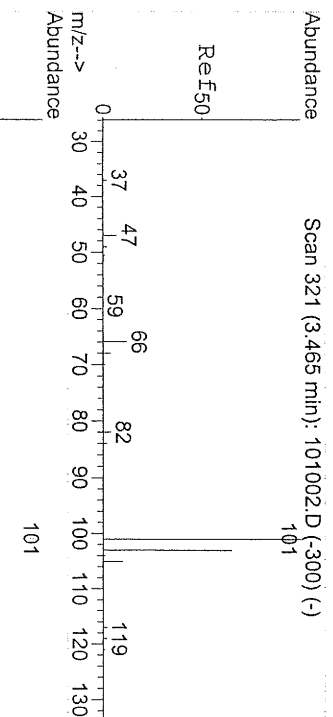
response 27633

Ion	Exp%	Act%
64.00	100	100
66.00	31.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

*main peak
64.00 min
100% act*

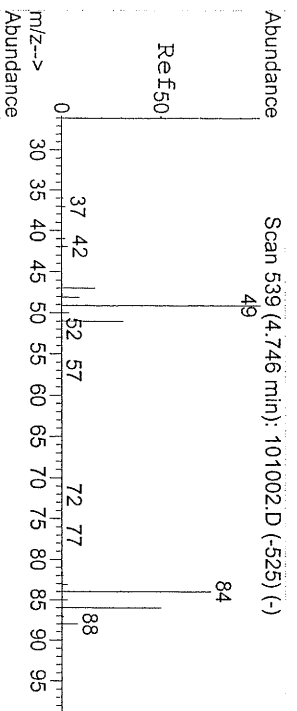
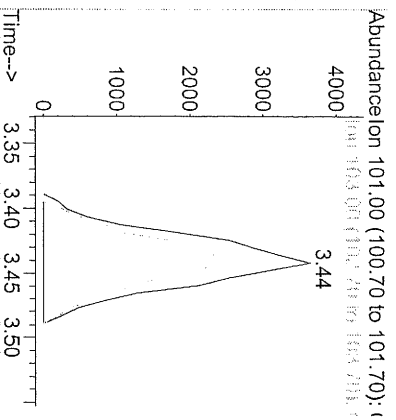
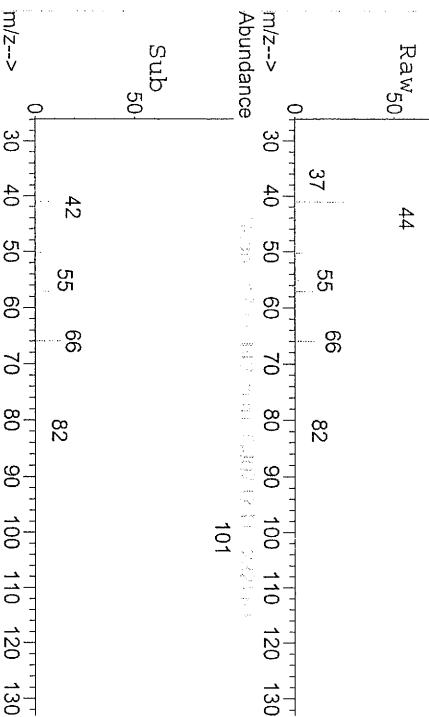
*sm2/412
11/11/05*

0045



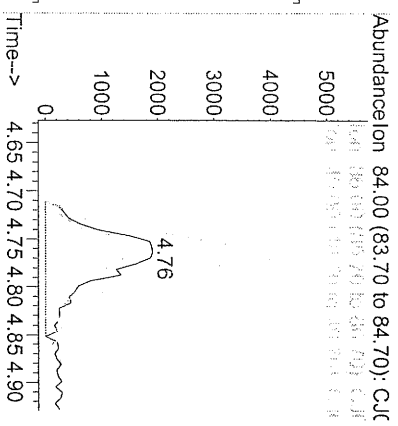
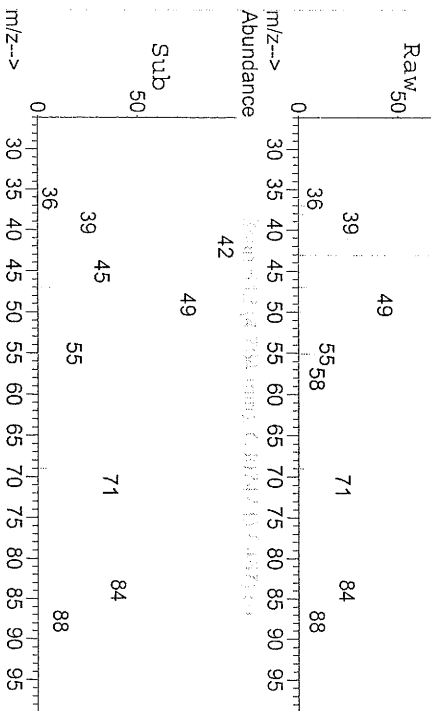
#12
Trichlorofluoromethane
Concen: 0.22 PPB
RT: 3.44 min Scan# 317
Delta R.T. -0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion:	101	Resp:	94839
Ion Ratio	100	Lower	Upper
	103	67.7	52.5 78.7

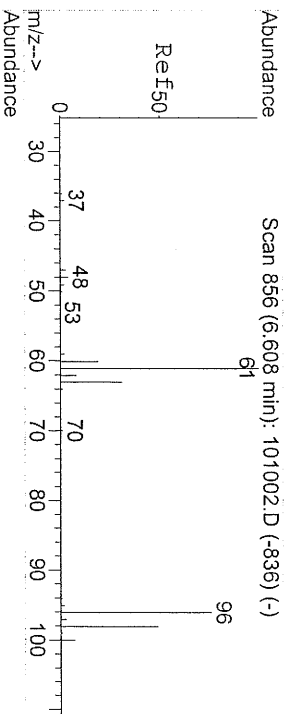


#22
Methylene Chloride
Concen: 0.55 PPB
RT: 4.76 min Scan# 542
Delta R.T. -0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion:	84	Resp:	69247
Ion Ratio	100	Lower	Upper
	86	60.8	50.7 76.1
	49	176.9	123.5 185.3

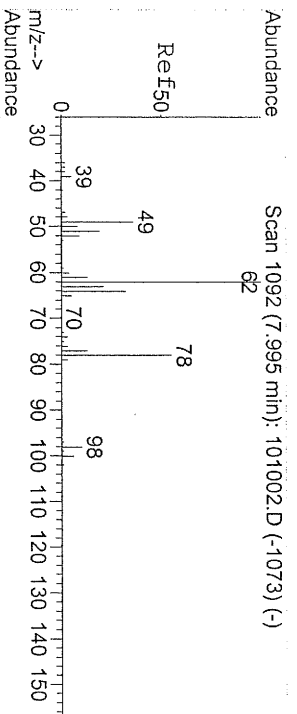
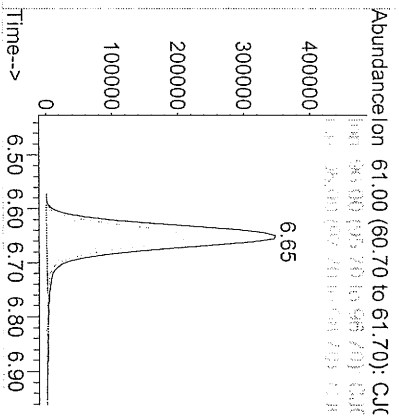
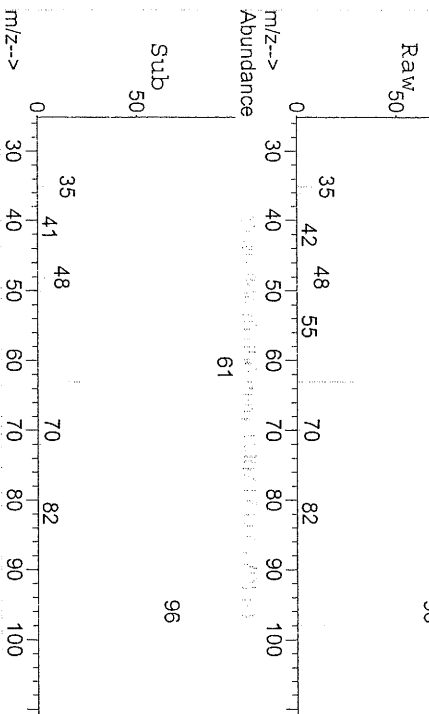


0046



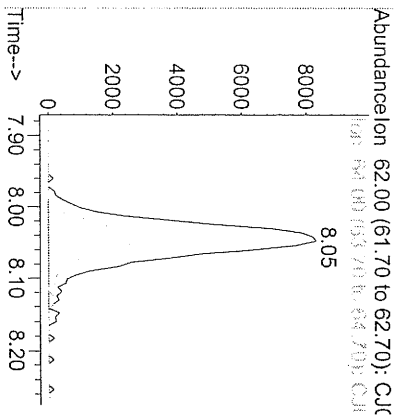
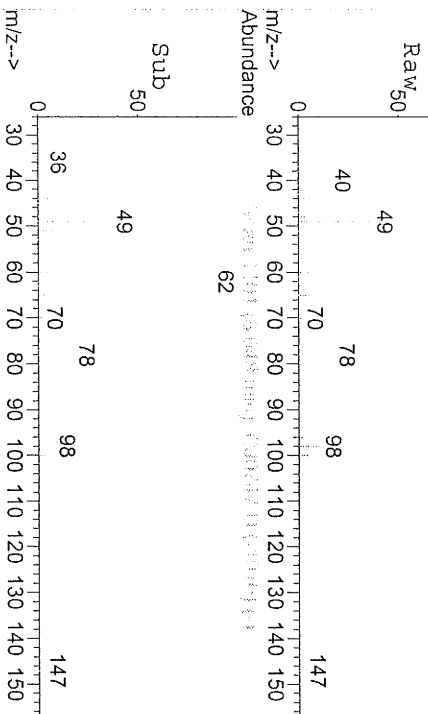
#30
cis-1,2-Dichloroethane
Concen: 43.97 PPB
RT: 6.65 min Scan# 864
Delta R.T. -0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion	61	Resp	10835324
Ion Ratio	Lower	Upper	
61	100		
96	61.7	66.6	99.8#
98	39.3	43.7	65.5#

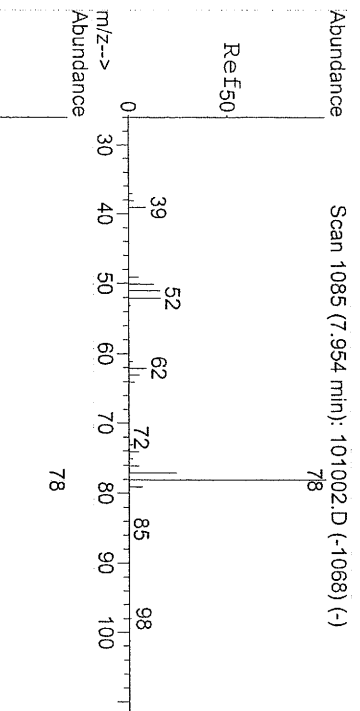


#38
1,2-Dichloroethane
Concen: 1.17 PPB
RT: 8.05 min Scan# 1101
Delta R.T. -0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion	62	Resp	280393
Ion Ratio	Lower	Upper	
62	100		
64	30.8	25.0	37.4

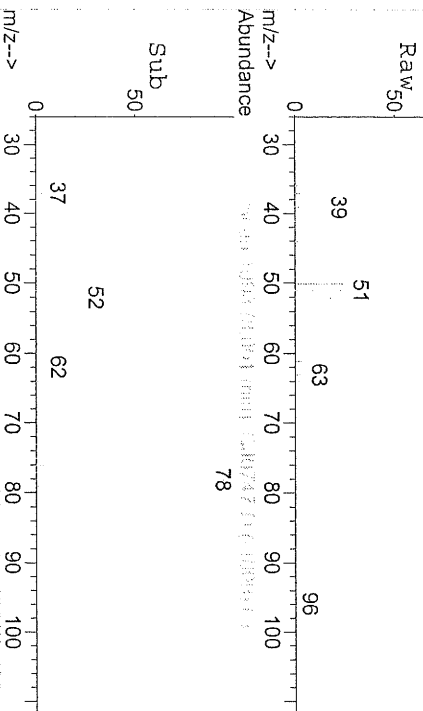


CJ0747



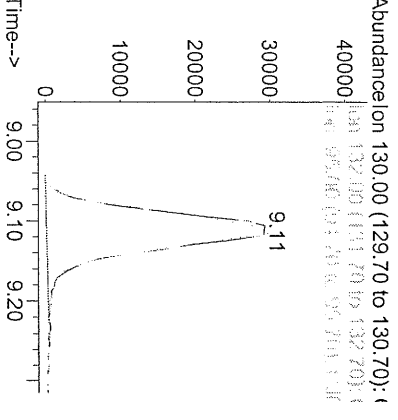
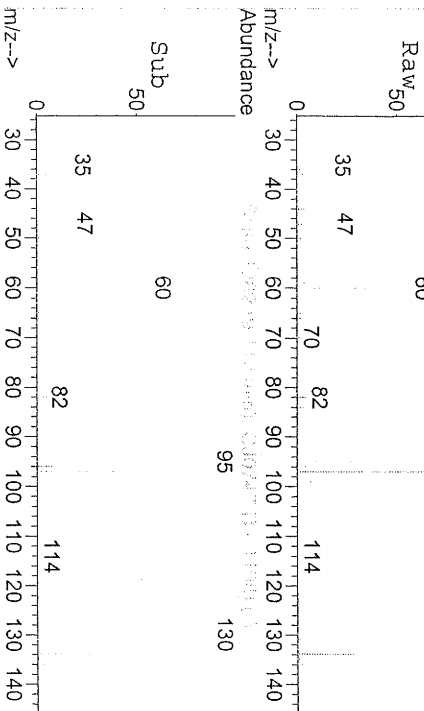
#39
Benzene
Concen: 1.19 PPB
RT: 8.00 min Scan# 1093
Delta R.T. -0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion: 78	Resp: 576614
Ion Ratio	Lower Upper
78 100	
77 24.7	19.4 29.2
50 26.2	15.7 23.5#

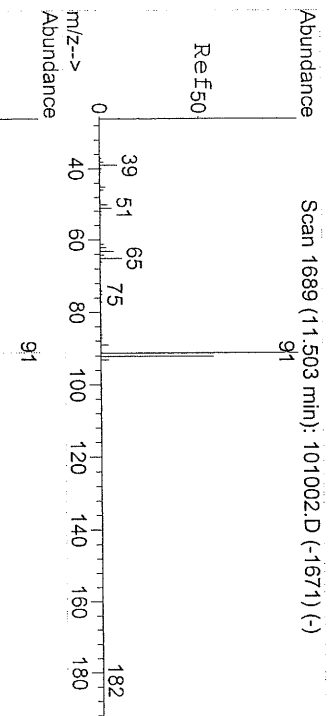


#42
Trichloroethene
Concen: 3.56 PPB
RT: 9.11 min Scan# 1282
Delta R.T. -0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt	Ion:130	Resp:	944818
Ion	Ratio	Lower	Upper
130	100		
132	97.5	79.0	118.6
95	104.4	66.1	99.1#

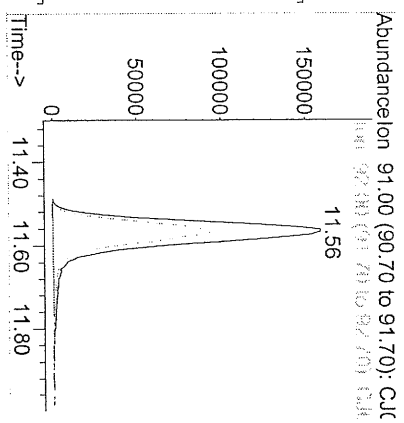
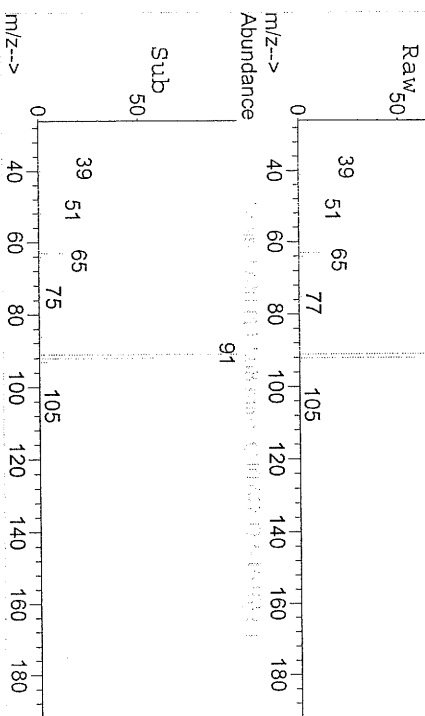


0048



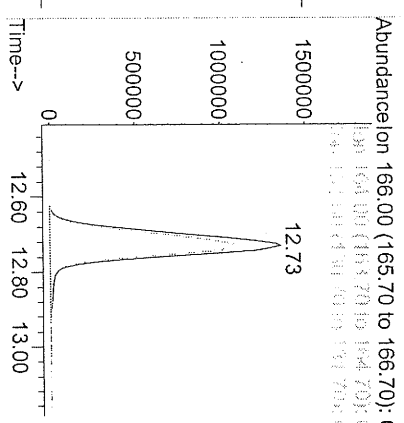
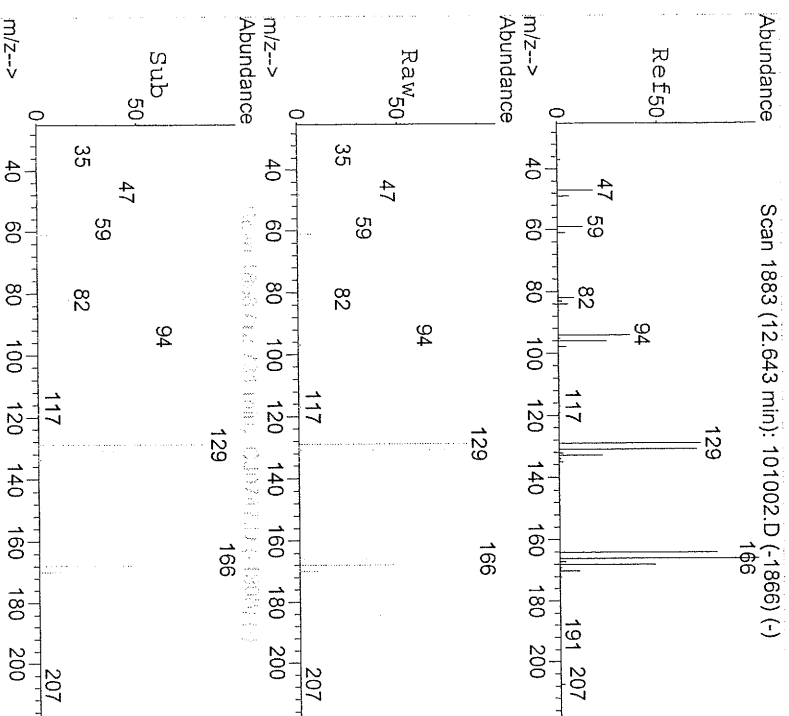
#52
Toluene
Concen: 11.64 PPB
RT: 11.57 min Scan# 1700
Delta R.T. -0.01 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion: 91 Resp: 6049226
Ion Ratio Lower Upper
91 100
92 57.3 45.4 68.0

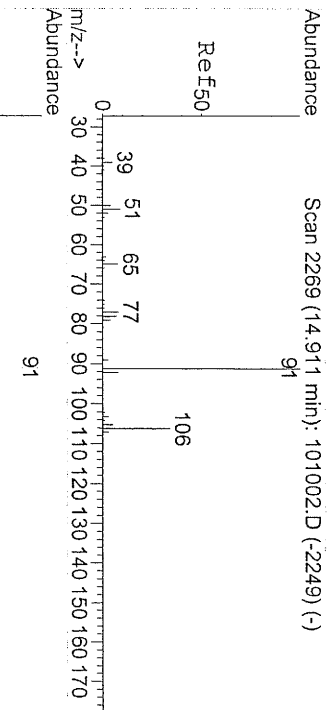


#57
Tetrachloroethene
Concen: 236.96 PPB
RT: 12.73 min Scan# 1898
Delta R.T. 0.03 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion: 166 Resp: 56589631
Ion Ratio Lower Upper
166 100
164 79.6 63.0 94.6
131 81.5 61.1 91.7

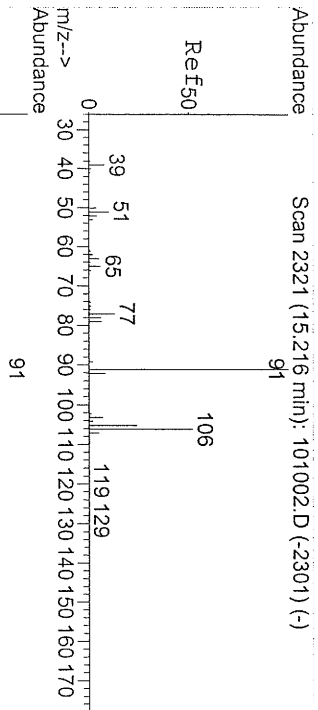
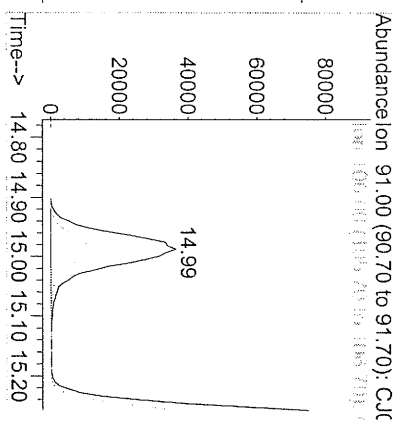
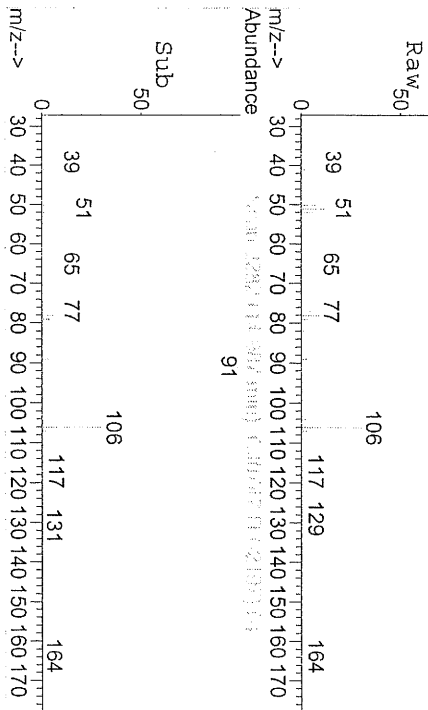


0049



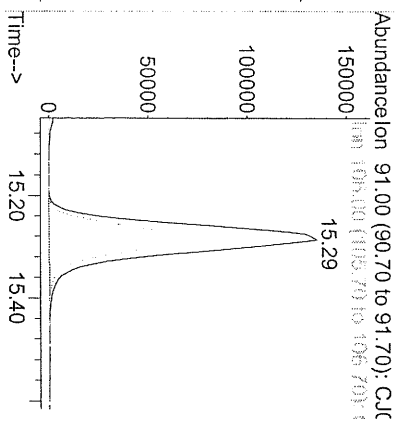
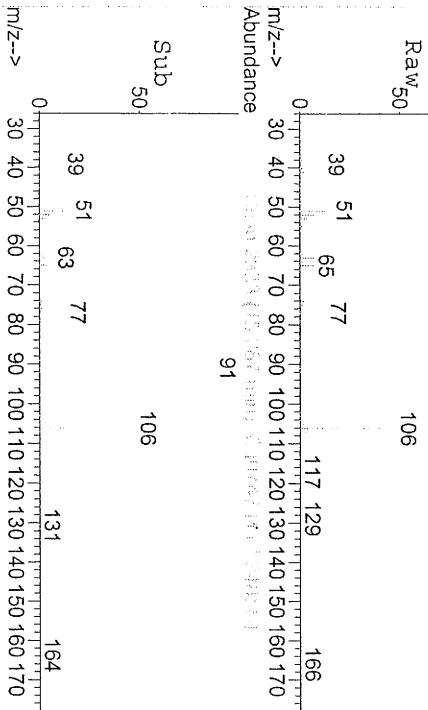
#63
Ethylbenzene
Concen: 1.83 PPB
RT: 14.99 min Scan# 2282
Delta R.T. 0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion: 91 Resp: 1334403
Ion Ratio Lower Upper
91 100
106 31.3 28.8 43.2

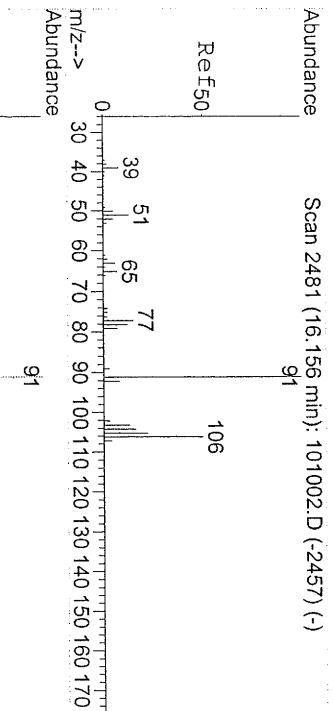


#64
m/p-Xylene
Concen: 8.65 PPB
RT: 15.29 min Scan# 2333
Delta R.T. 0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion: 91 Resp: 5074306
Ion Ratio Lower Upper
91 100
106 49.7 45.0 67.4

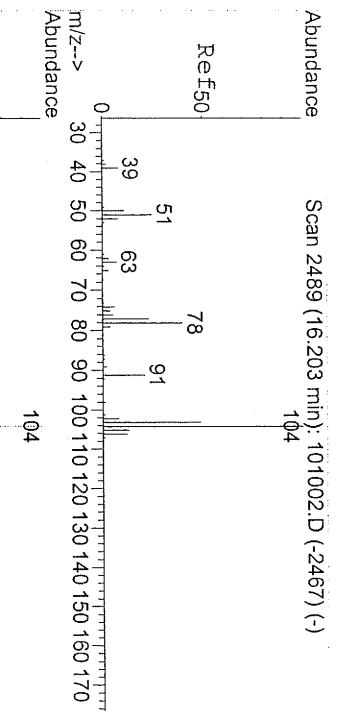
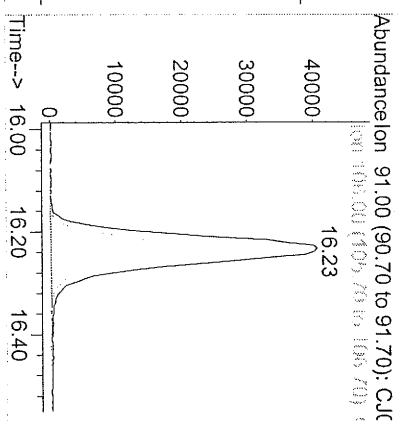
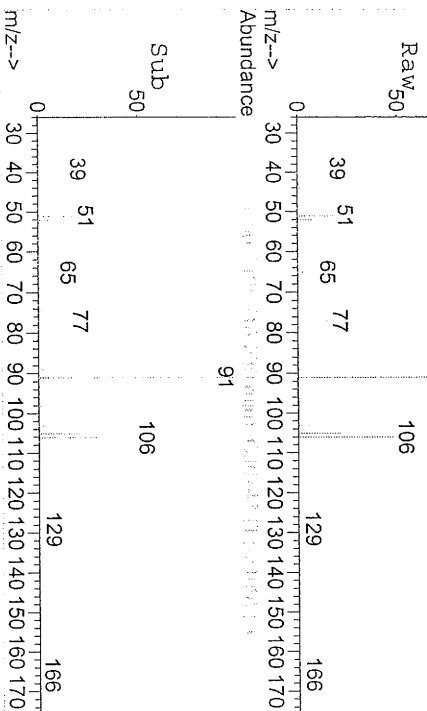


0050



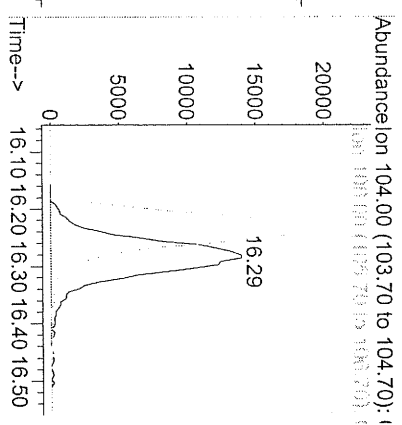
#65
o-Xylene
Concen: 2.81 PPB
RT: 16.24 min Scan# 2495
Delta R.T. 0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion:	91	Resp:	1597781
Ion Ratio	Lower	Upper	
91	100		
106	46.8	43.4	65.0

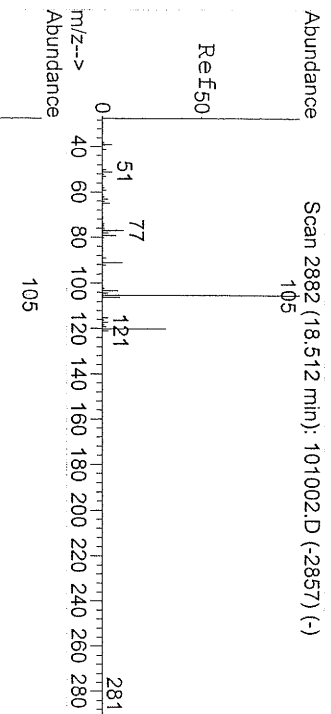


#66
Styrene
Concen: 1.42 PPB
RT: 16.28 min Scan# 2503
Delta R.T. 0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion:	104	Resp:	587069
Ion Ratio	Lower	Upper	
104	100		
106	0.0	0.0	0.0

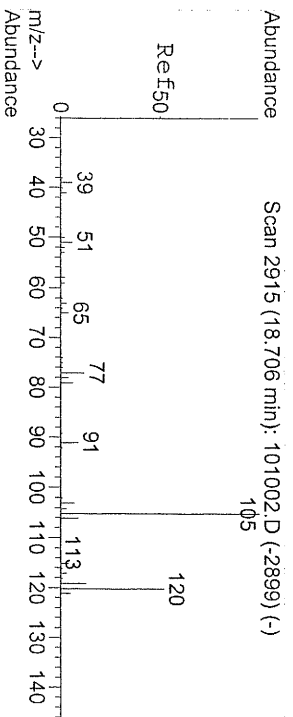
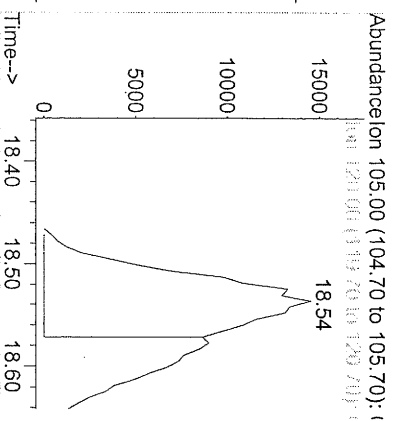
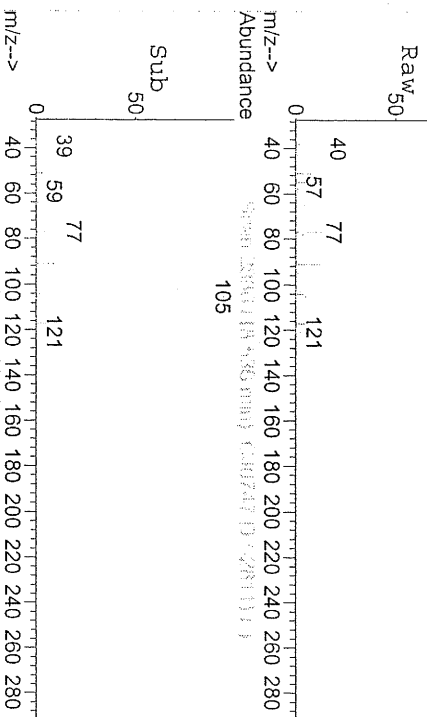


0051



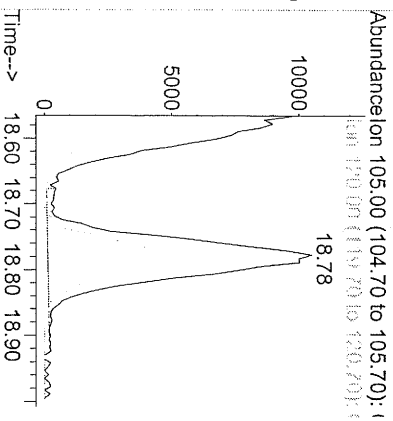
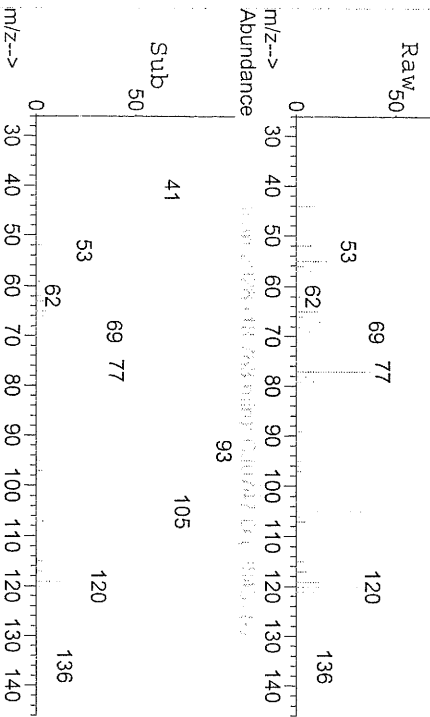
#72
4-Ethyltoluene
Concen: 0.63 PPB m
RT: 18.54 min Scan# 2886
Delta R.T. -0.06 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

Tgt Ion:105	Resp:	484581
Ion Ratio	Lower	Upper
105	100	
120	49.0	27.0 40.6#



#73
1,3,5-Trimethylbenzene
Concen: 0.60 PPB
RT: 18.78 min Scan# 2928
Delta R.T. -0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

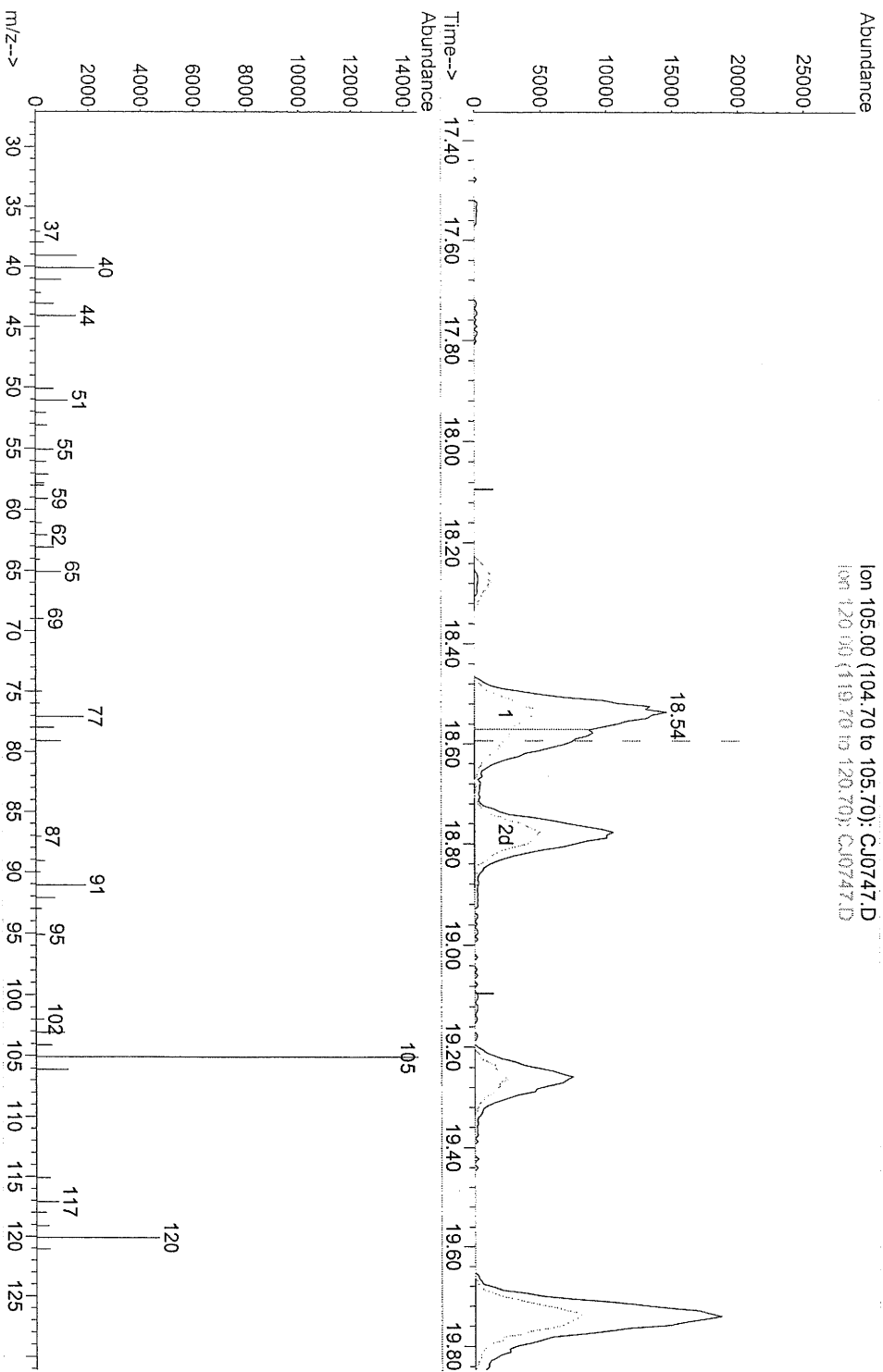
Tgt Ion:105	Resp:	397596
Ion Ratio	Lower	Upper
105	100	
120	48.0	43.9 65.9



0052

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\OCT29\
 Data File : CJ0747.D
 Acq On : 29 Oct 2005 16:51
 Operator : JBS
 Sample : 4628491 750CC
 Misc :
 ALS Vial : 41 Sample Multiplier: 1
 Quant Time: Oct 29 16:18:11 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLT015.M
 Quant Title :
 Qlast Update : Sat Oct 29 13:19:44 2005
 Response via : Initial Calibration



(72) 4-Ethyltoluene

18.536min (-0.056) 0.63PPB m

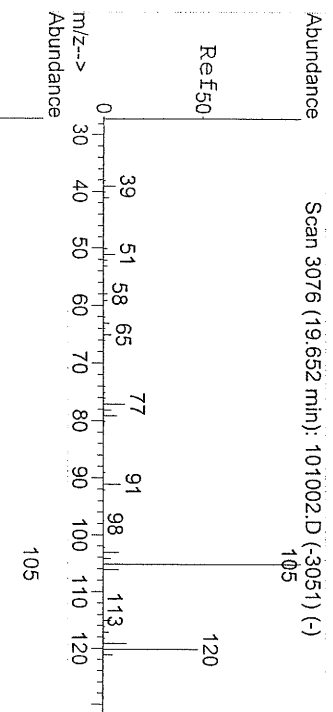
response 484581

Ion	Exp%	Act%
105.00	100	100
120.00	33.80	49.04#
0.00	0.00	0.00
0.00	0.00	0.00

response should be 276104 10/31/05

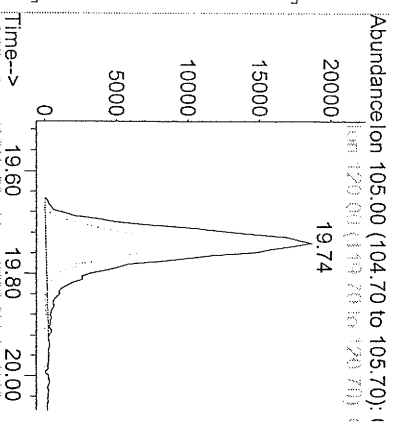
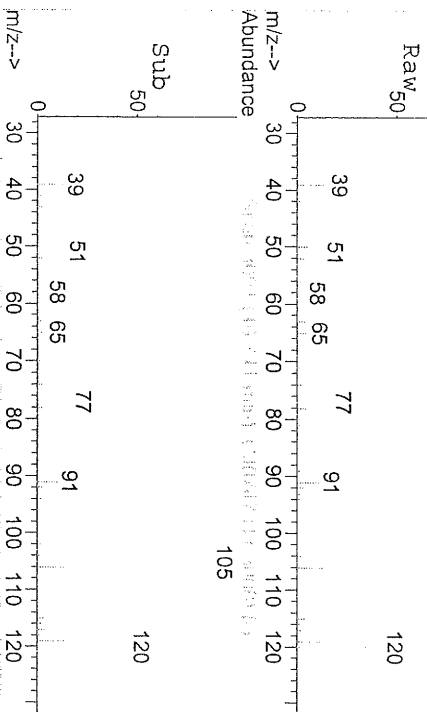
Conc/4K 11/11/05

0.053

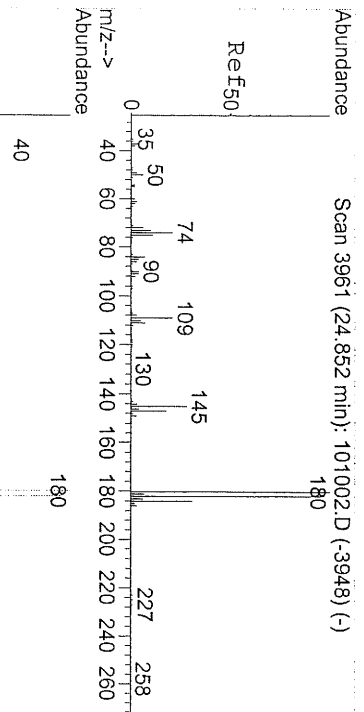


#75
1,2,4-Trimethylbenzene
Concen: 1.19 PPB
RT: 19.74 min Scan# 3091
Delta R.T. 0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51

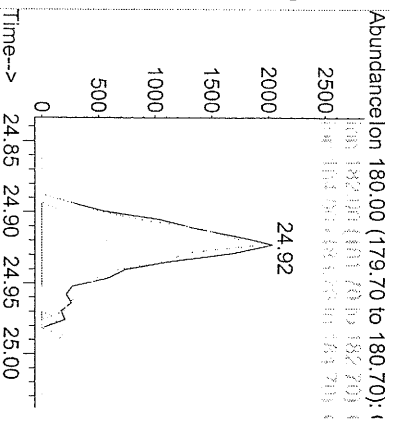
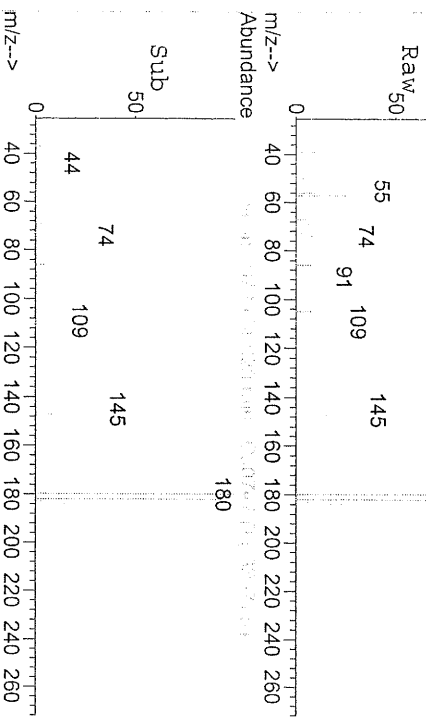
Tgt Ion:105 Resp: 778474
Ion Ratio Lower Upper
105 100
120 40.9 42.3 63.5#



#81
1,2,4-Trichlorobenzene
Concen: 0.27 PPB
RT: 24.92 min Scan# 3973
Delta R.T. 0.00 min
Lab File: CJ0747.D
Acq: 29 Oct 2005 16:51



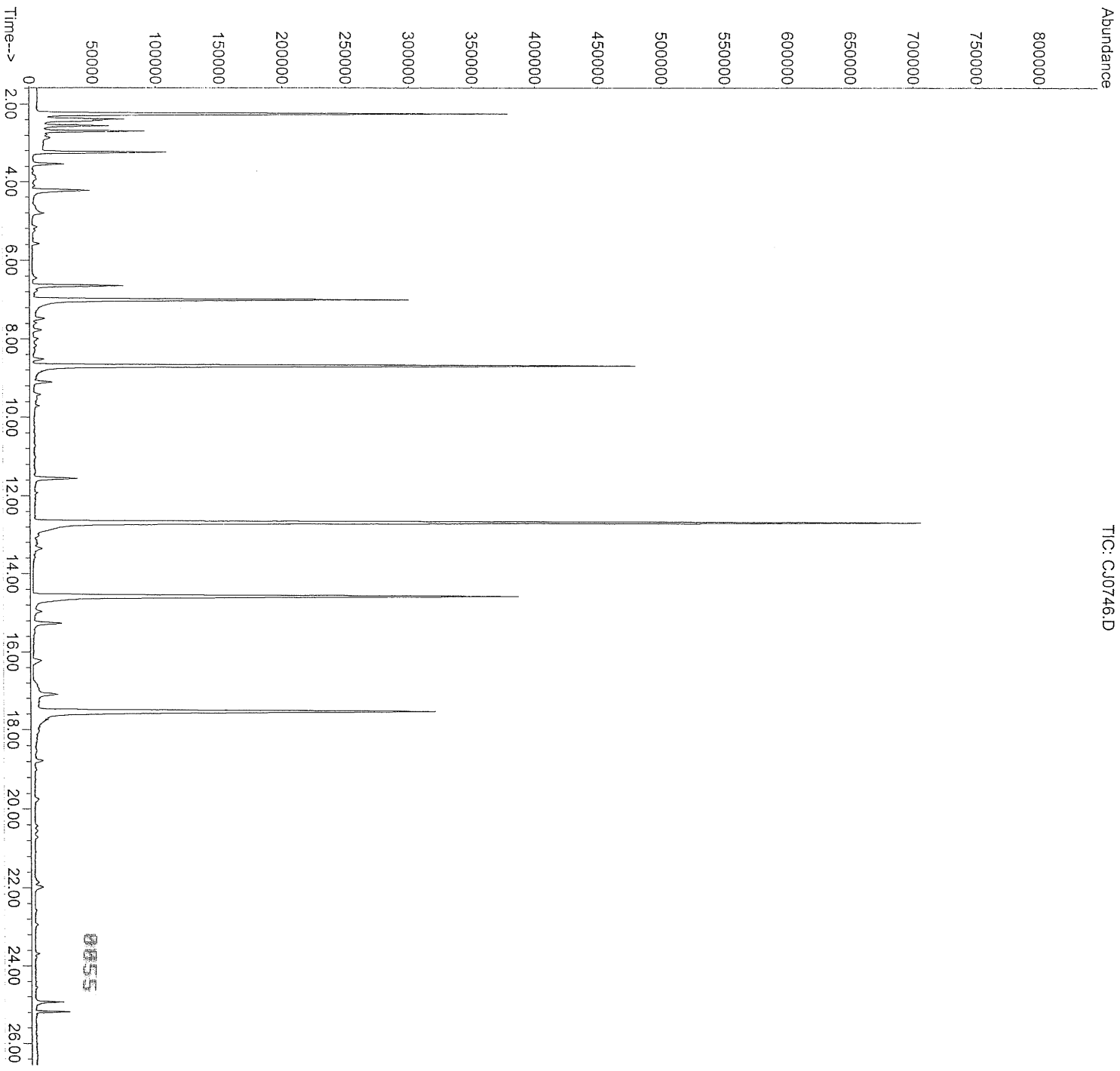
Tgt Ion:180 Resp: 43063
Ion Ratio Lower Upper
180 100
182 92.2 76.8 115.2
184 0.0 25.4 38.2#



0054

Data Path : C:\MSDCHEM\1\DATA\OCT29\
Data File : CJ0746.D
Acq On : 29 Oct 2005 16:13
Operator : JBS
Sample : 4628491 50CC
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Nov 07 23:05:27 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
Quant Update : Sat Oct 29 13:19:44 2005
Response via : Initial Calibration



Data Path : C:\MSDCHEM\1\DATA\OCT29\
Data File : CJ0746.D
Acq On : 29 Oct 2005 16:13
Operator : JBS
Sample : 4628491 50CC
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Nov 07 23:05:27 2005

Quant Method : C:\MSDCHEM\1\METHODS\ALLT015.M

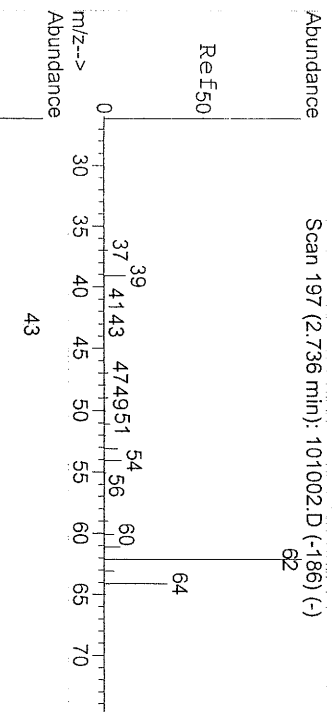
Quant Title :

Quant Update : Sat Oct 29 13:19:44 2005

Response via : Initial Calibration

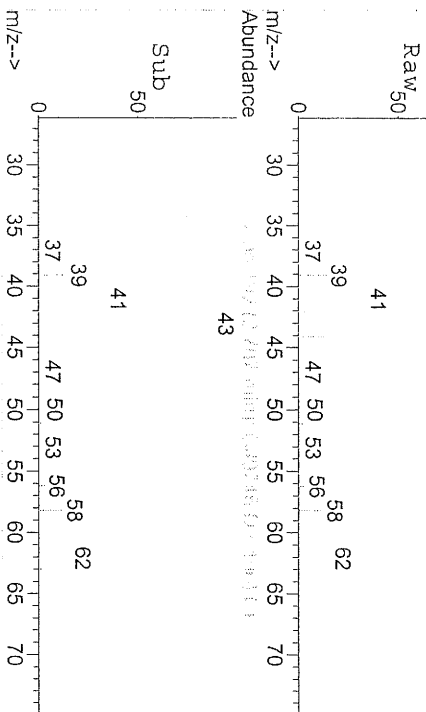
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.01	130	1413292	10.000		0.00
37) 1,4-Difluorobenzene	8.69	114	5955863	10.000		-0.01
51) Chlorobenzene d5	14.57	117	4669752	10.000		-0.02
Target Compounds						
7) Vinyl Chloride	2.70	62	105419	0.565	PPB	Qvalue
30) cis-1,2-Dichloroethene	6.64	61	748503m	3.235	PPB	96
42) Trichloroethene	9.10	130	75104	0.282	PPB	# 89
52) Toluene	11.56	91	423653m	0.845	PPB	
57) Tetrachloroethene	12.69	166	3931059	17.058	PPB	99
64) m/p-Xylene	15.27	91	297106	0.525	PPB	
81) 1,2,4-Trichlorobenzene	24.93	180	120694m	0.796	PPB	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed



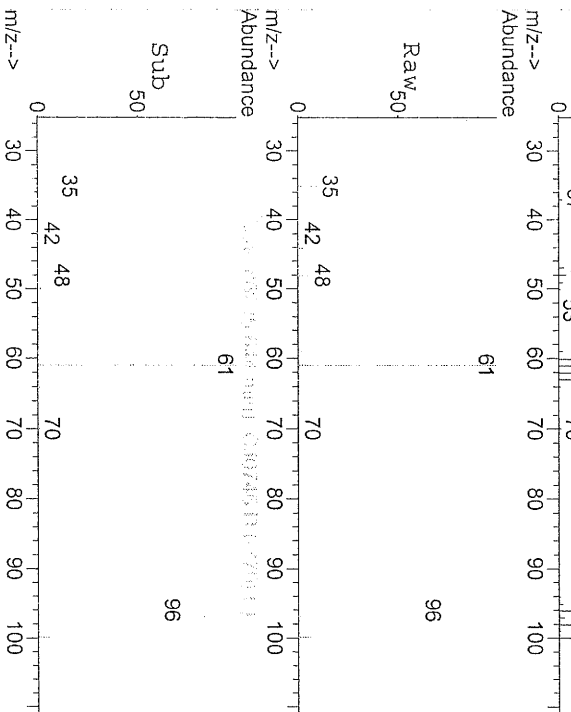
#7
Vinyl Chloride
Concen: 0.57 PPB
RT: 2.70 min Scan# 192
Delta R.T. 0.00 min
Lab File: CJ0746.D
Acq: 29 Oct 2005 16:13

Tgt Ion:	62	Resp:	105419
Ion Ratio	100	Lower	Upper
62	100		
64	32.1	23.8	35.6



#30
cis-1,2-Dichloroethene
Concen: 3.23 PPB m
RT: 6.64 min Scan# 862
Delta R.T. -0.01 min
Lab File: CJ0746.D
Acq: 29 Oct 2005 16:13

Tgt Ion:	61	Resp:	748503
Ion Ratio	100	Lower	Upper
61	100		
96	61.5	66.6	99.8#
98	37.1	43.7	65.5#



#30
cis-1,2-Dichloroethene
Concen: 3.23 PPB m
RT: 6.64 min Scan# 862
Delta R.T. -0.01 min
Lab File: CJ0746.D
Acq: 29 Oct 2005 16:13

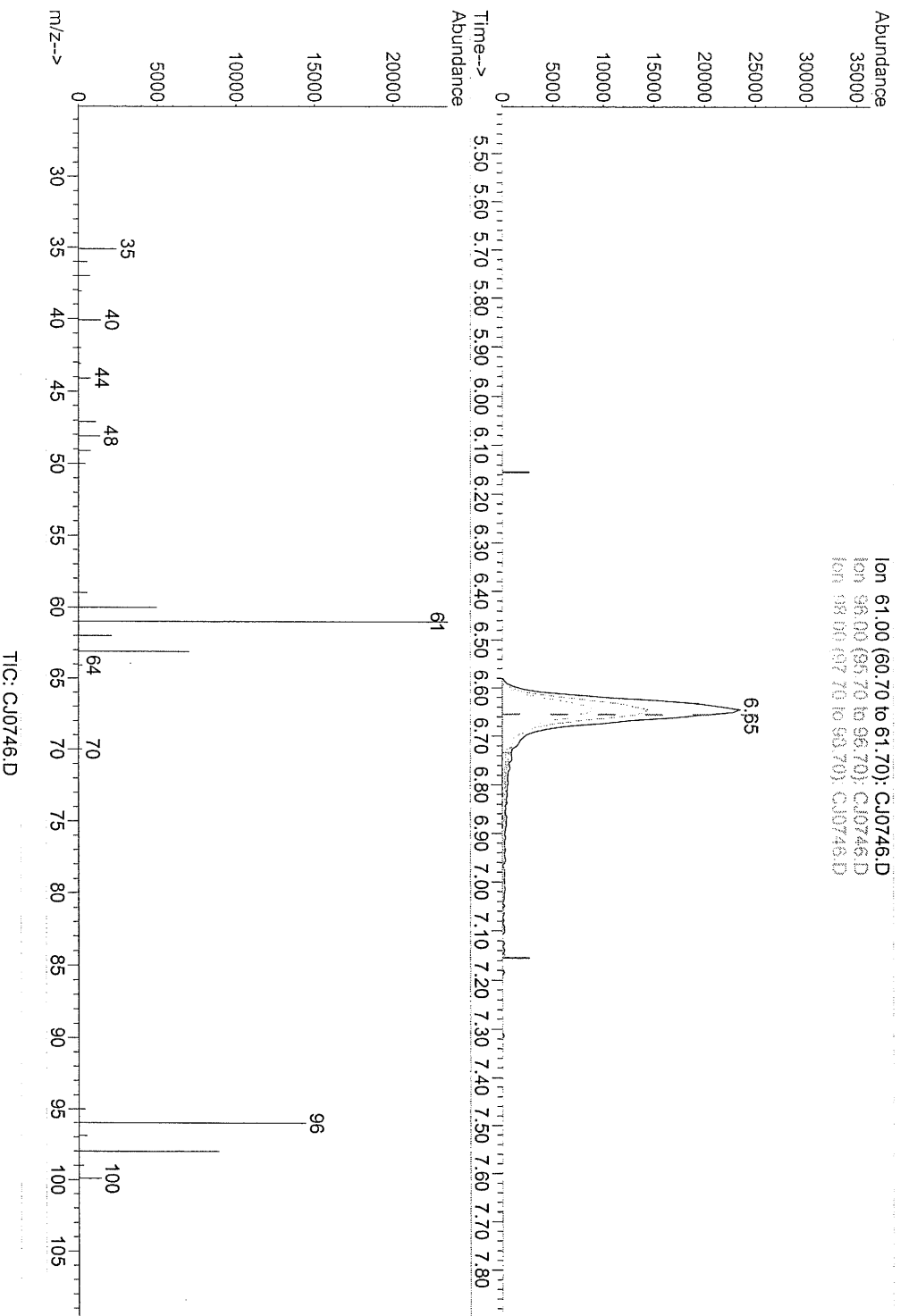
Tgt Ion:	61	Resp:	748503
Ion Ratio	100	Lower	Upper
61	100		
96	61.5	66.6	99.8#
98	37.1	43.7	65.5#

0057

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\OCT29\
 Data File : CJ0746.D
 Acq On : 29 Oct 2005 16:13
 Operator : JBS
 Sample : 4628491 50CC
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Oct 29 15:40:14 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
 Quant Title :
 Qlast Update : Sat Oct 29 13:19:44 2005
 Response via : Initial Calibration



Ion 61.00 (60.70 to 61.70): CJ0746.D
 Ion 96.00 (95.70 to 96.70): CJ0746.D
 Ion 98.00 (97.70 to 98.70): CJ0746.D

(30) cis-1,2-Dichloroethene

6.644min (-0.011) 3.23PPB m

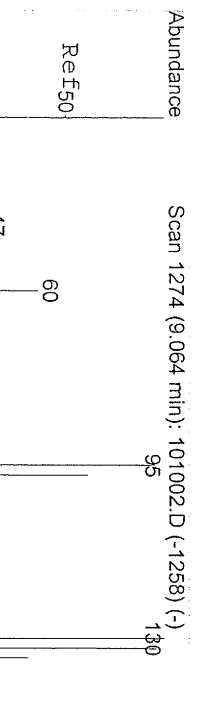
response 748503

Ion	Exp%	Act%
61.00	100	100
96.00	83.20	61.47#
98.00	54.60	37.08#
0.00	0.00	0.00

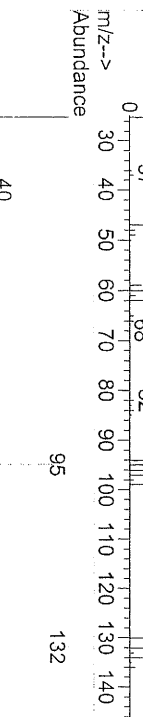
*split peak
 10/31/05*

Crack 11/11/05

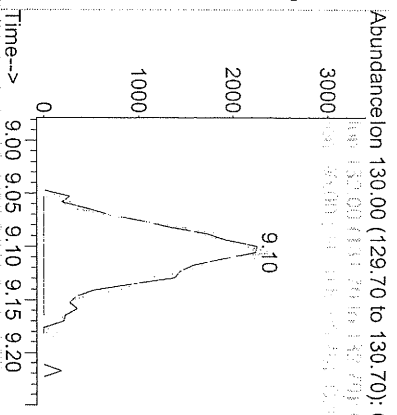
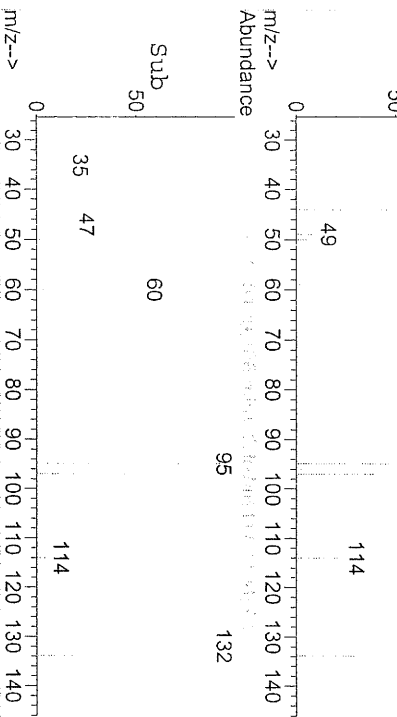
0058



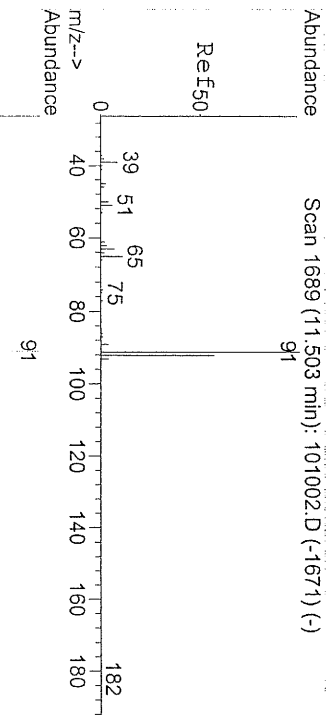
#42
Trichloroethene
Concen: 0.28 PPB
RT: 9.10 min Scan# 1281
Delta R.T. -0.01 min
Lab File: CJ0746.D
Acq: 29 Oct 2005 16:13



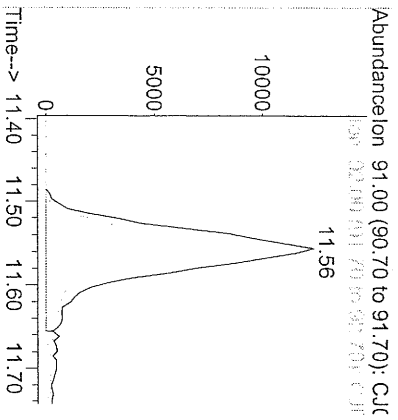
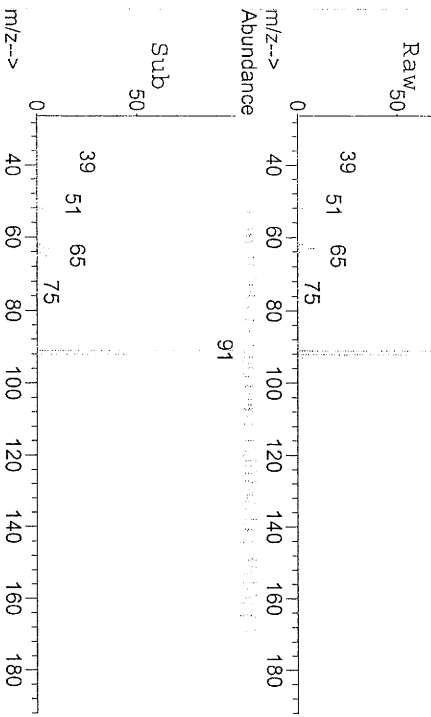
Tgt Ion: 130 Resp: 75104
Ion Ratio Lower Upper
130 100
132 97.1 79.0 118.6
95 102.4 66.1 99.1#



#52
Toluene
Concen: 0.84 PPB m
RT: 11.56 min Scan# 1698
Delta R.T. -0.02 min
Lab File: CJ0746.D
Acq: 29 Oct 2005 16:13



Tgt Ion: 91 Resp: 423653
Ion Ratio Lower Upper
91 100
92 57.5 45.4 68.0

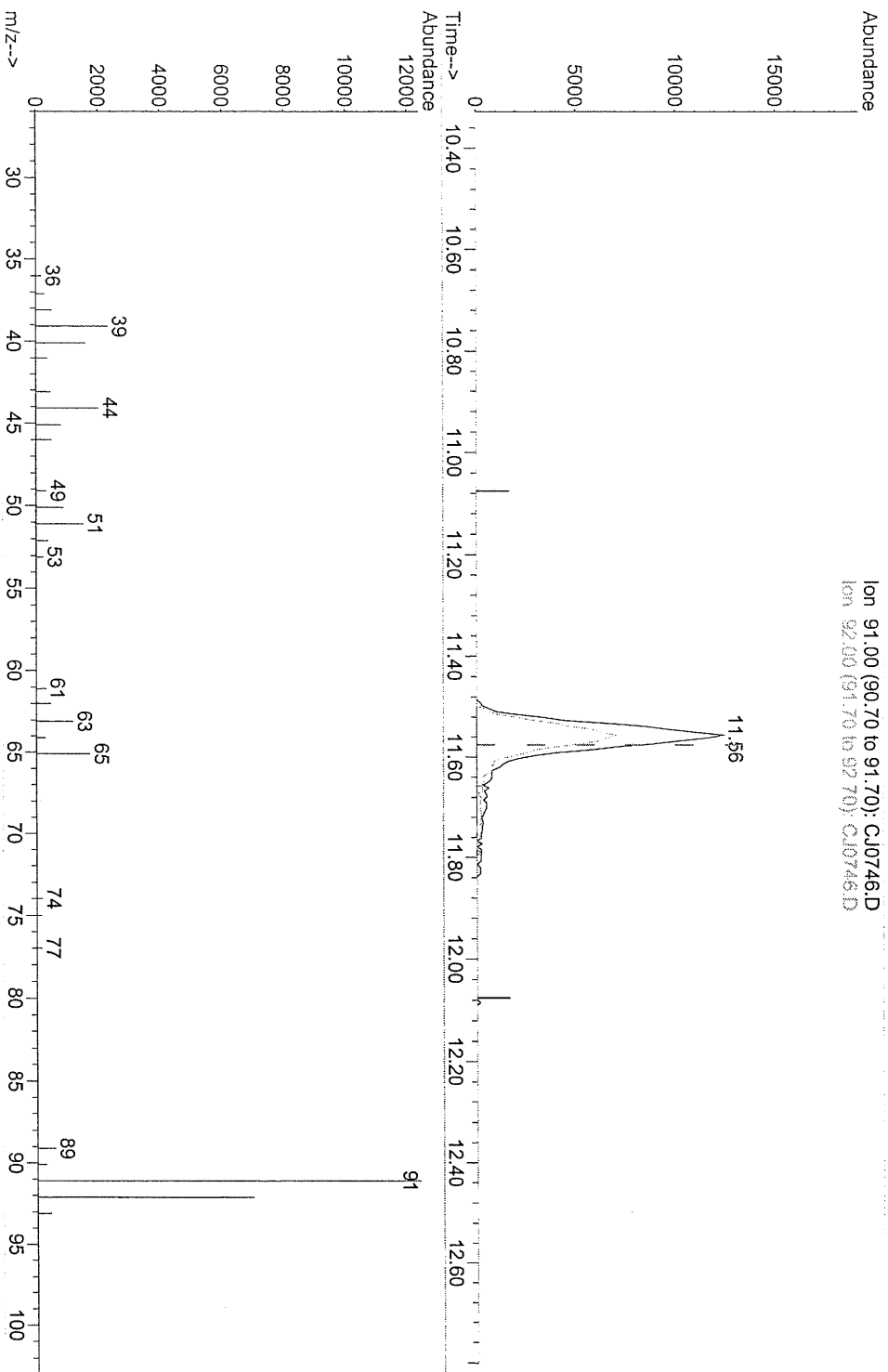


0059

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\OCT29\
 Data File : CJ0746.D
 Acq On : 29 Oct 2005 16:13
 Operator : JBS
 Sample : 4628491 50CC
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Oct 29 15:40:14 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLT015.M
 Quant Title :
 Qlast Update : Sat Oct 29 13:19:44 2005
 Response via : Initial Calibration



(52) Toluene

11.556min (-0.020) 0.84PPB m

response 423653

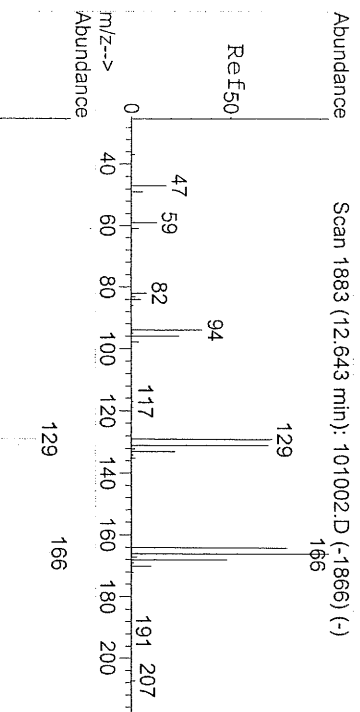
Ion	Exp%	Act%
91.00	100	100
92.00	56.70	57.54
0.00	0.00	0.00
0.00	0.00	0.00

*split peak
 10/31/05*

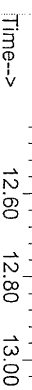
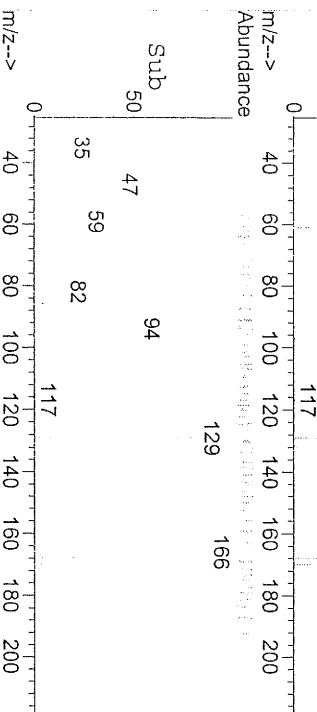
Conc 1/11/05

0060

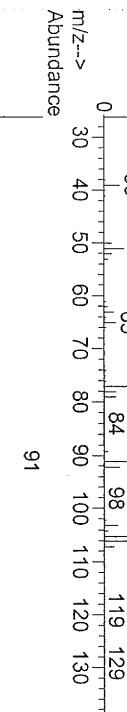
#57
Tetrachloroethene
Concen: 17.06 PPB
RT: 12.69 min Scan# 1891
Delta R.T. -0.02 min
Lab File: CJ0746.D
Acq: 29 Oct 2005 16:13



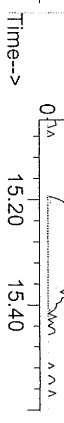
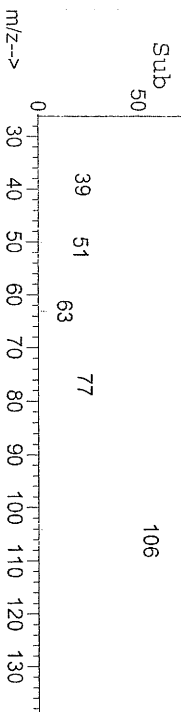
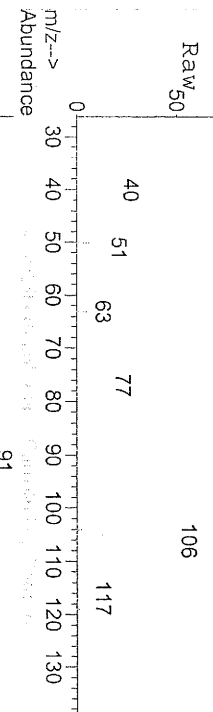
Tgt Ion: 166 Resp: 3931059
Ion Ratio Lower Upper
166 100
164 79.3 63.0 94.6
131 76.9 61.1 91.7



#64
m/p-Xylene
Concen: 0.52 PPB
RT: 15.27 min Scan# 2329
Delta R.T. -0.02 min
Lab File: CJ0746.D
Acq: 29 Oct 2005 16:13

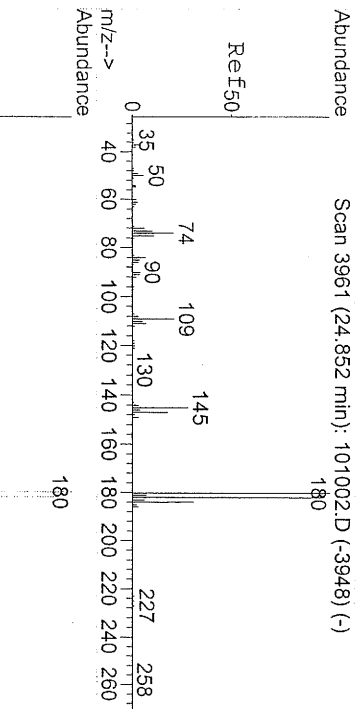


Tgt Ion: 91 Resp: 297106
Ion Ratio Lower Upper
91 100
106 47.6 45.0 67.4

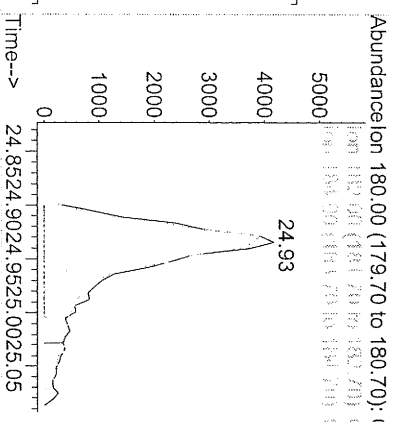
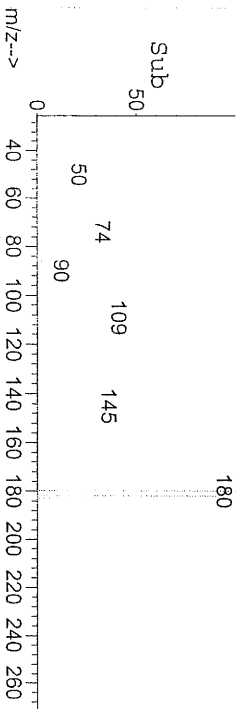
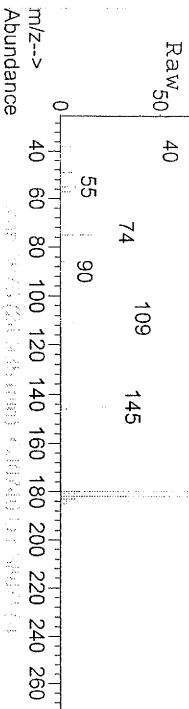


0061

#81
1,2,4-Trichlorobenzene
Concen: 0.80 PPB m
RT: 24.93 min Scan# 3975
Delta R.T. 0.01 min
Lab File: CJ0746.D
Acq: 29 Oct 2005 16:13



Tgt Ion: 180 Resp: 120694
Ion Ratio Lower Upper
180 100
182 99.2 76.8 115.2
184 28.8 25.4 38.2



0062

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\OCT29\

Data File : CJ0746.D

Acq On : 29 Oct 2005 16:13

Operator : JBS

Sample : 4628491 50CC

Misc
::

ALS Vial : 40 Sample Multiplier: 1

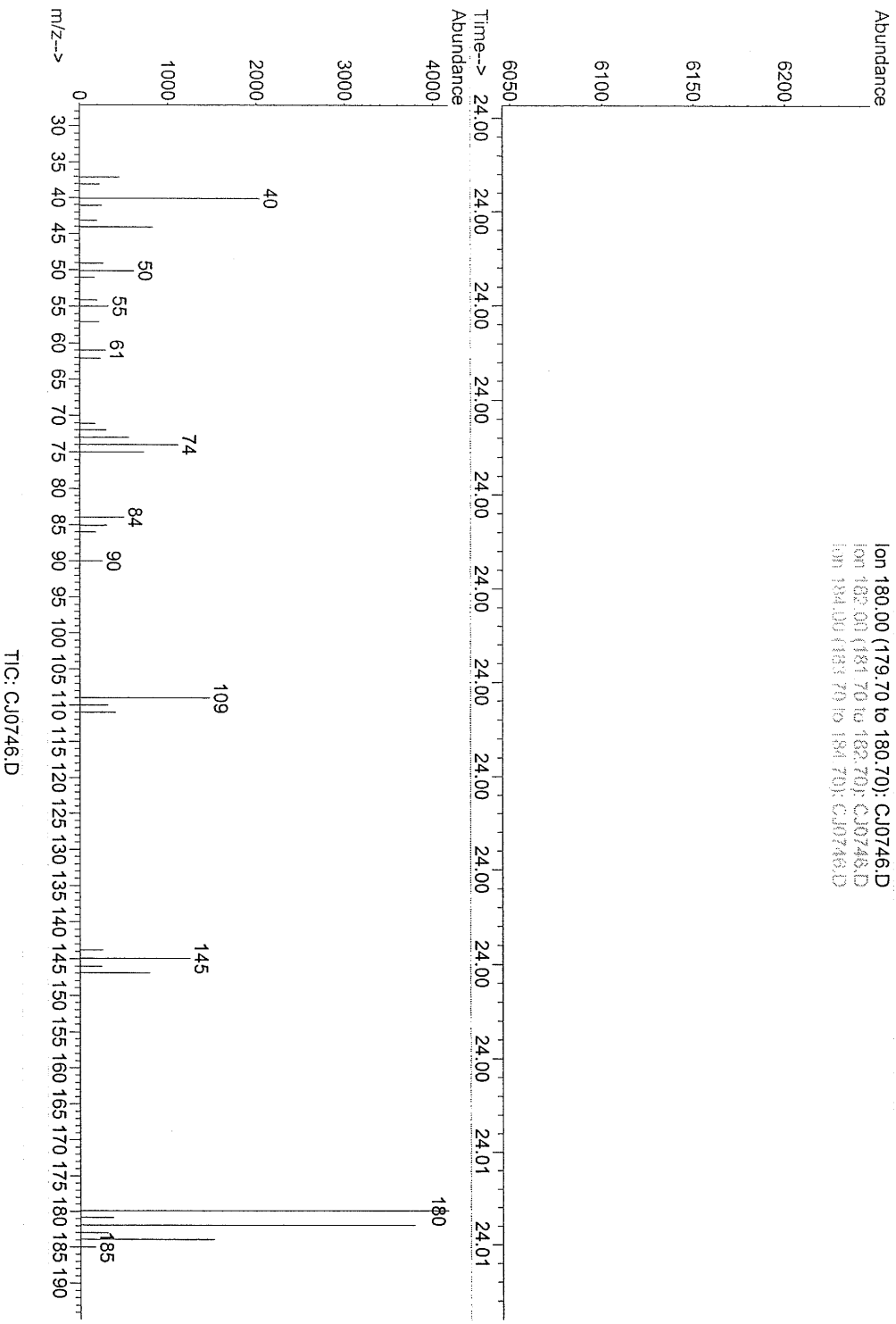
Quant Time: Oct 29 15:40:14 2005

Quant Method : C:\MSDCHEM\1\METHODS\ALLT015.M

Quant Title :

QLast update : Sat Oct 29 13:19:44 2005

Response via : Initial Calibration



(81) 1,2,4-Trichlorobenzene

24.935min (+0.014) 0.80PPB m

response 120694

Ion	Exp%	Act%
180.00	100	100
182.00	96.00	99.17
184.00	31.80	28.76
0.00	0.00	0.00

split pack
poly
11/3/68

11/11/05

0003

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR
SUMMA CANISTER SAMPLE
ANALYSIS DATA SHEET

Sample No.: BMA23 Date Collected: 10/19/05 Date Received: 10/20/05
Lab Sample ID: 4628492 Date Analyzed: 10/29/05 Time Analyzed: 18:07
Canister ID: SUMMA0323 Pressure Rec'd: 14.7 psia Final Pressure: 29.4 psia
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 2.0
Instrument ID: HP09464 ¹⁷⁹⁶ _{11/16/05} Lab File ID: C:\MSDCHEM\1\DATA\OCT29\CJ0749.D

CAS RN	COMPOUND NAME	CONCENTRATION	UNITS: MDL	ug/m3	Q
75-71-8	Dichlorodifluoromethane	11			D
76-14-2	Freon 114	3			U
74-87-3	Chloromethane	4			D
75-01-4	Vinyl Chloride	21			D
74-83-9	Bromomethane	3			U
75-00-3	Chloroethane	1			U
75-69-4	Trichlorofluoromethane	3			U
75-35-4	1,1-Dichloroethene	2			U
76-13-1	Freon 113	8			U
107-05-1	3-Chloropropene	3			U
75-09-2	Methylene Chloride	5			U
75-34-3	1,1-Dichloroethane	2			U
156-59-2	cis-1,2-Dichloroethene	170			D
67-66-3	Chloroform	2			U
71-55-6	1,1,1-Trichloroethane	2			U
56-23-5	Carbon Tetrachloride	3			U
107-06-2	1,2-Dichloroethane	15			D
71-43-2	Benzene	8			D
79-01-6	Trichloroethene	23			D
78-87-5	1,2-Dichloropropane	2			U
10061-01-5	cis-1,3-Dichloropropene	2			U
108-88-3	Toluene	160			D
10061-02-6	trans-1,3-Dichloropropene	2			U
79-00-5	1,1,2-Trichloroethane	2			U
127-18-4	Tetrachloroethene	1600			D
106-93-4	1,2-Dibromoethane	3			U
108-90-7	Chlorobenzene	2			U
100-41-4	Ethylbenzene	27			D
1330-20-7	m/p-Xylene	69			D
95-47-6	o-Xylene	24			D
100-42-5	Styrene	24			D
79-34-5	1,1,2,2-Tetrachloroethane	3			U
622-96-8	4-Ethyltoluene	14			D
108-67-8	1,3,5-Trimethylbenzene	9			U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR
SUMMA CANISTER SAMPLE
ANALYSIS DATA SHEET

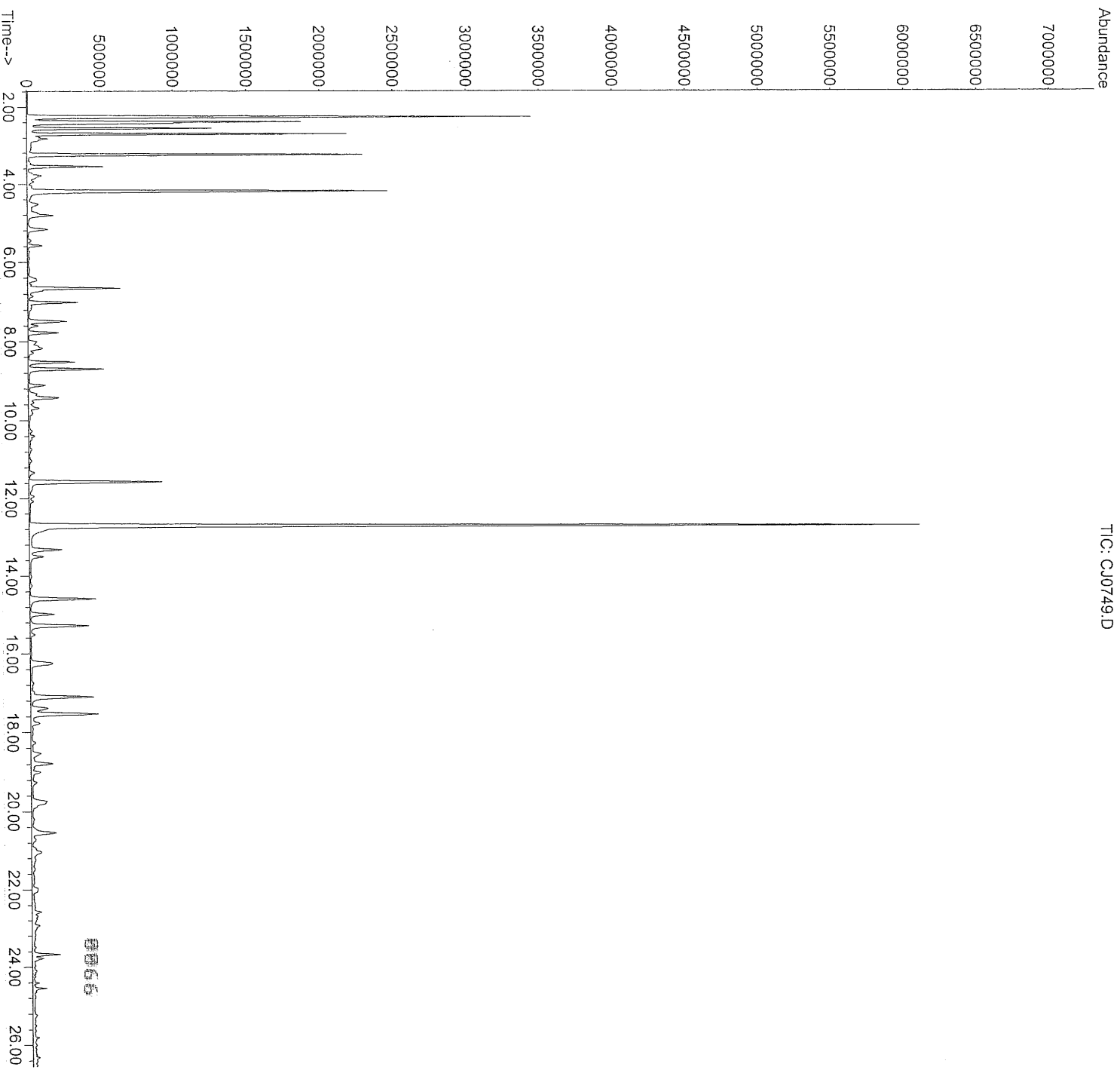
Sample No.: BMA23 Date Collected: 10/19/05 Date Received: 10/20/05
 Lab Sample ID: 4628492 Date Analyzed: 10/29/05 Time Analyzed: 18:07
 Canister ID: SUMMA0323 Pressure Rec'd: 14.7 psia Final Pressure: 29.4 psia
 Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 2.0
 Instrument ID: HP09466~~4~~ ⁴⁷⁶ ~~476~~ Lab File ID: C:\MSDCHEM\1\DATA\OCT29\CJ0749.D
~~4/14/05~~

CAS RN	COMPOUND NAME	CONCENTRATION	UNITS: MDL	ug/m3	Q
95-63-6	1,2,4-Trimethylbenzene		20		D
541-73-1	1,3-Dichlorobenzene		6		U
106-46-7	1,4-Dichlorobenzene		6		U
95-50-1	1,2-Dichlorobenzene		6		U
120-82-1	1,2,4-Trichlorobenzene		15		U

U = Compound was undetected at the specified limit of quantitation.
 B = Compound was found in method blank. D = analysis of diluted sample.
 U = Compound was detected, but below the limit of quantitation.
 NOTE: Limits of detection were raised due to the high concentration
 of volatile organic compounds in this sample.

Data Path : C:\MSDCHEM\1\DATA\OCT29\
 Data File : CJ0749.D
 Acq On : 29 Oct 2005 18:07
 Operator : JBS
 Sample : 4628492 250CC
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Quant Time: Nov 07 23:06:56 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLT015.M
 Quant Title :
 Qlast Update : Sat Oct 29 13:19:44 2005
 Response via : Initial Calibration



Data Path : C:\MSDCHEM\1\DATA\OCT29\
 Data File : CJ0749.D
 Acq On : 29 Oct 2005 18:07
 Operator : JBS
 Sample : 4628492 250CC
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Quant Time: Nov 07 23:06:56 2005

Quant Method : C:\MSDCHEM\1\METHODS\ALLT015.M

Quant Title :

Quant Update : Sat Oct 29 13:19:44 2005

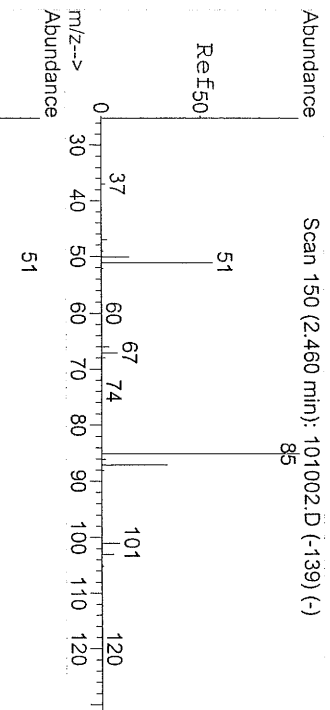
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev (Min)
1) Bromochloromethane	7.01	130	1498937	10.000	0.00
37) 1,4-Difluorobenzene	8.70	114	6120340	10.000	0.00
51) Chlorobenzene d5	14.58	117	5127226	10.000	0.00

Target Compounds					Qvalue
3) Dichlorodifluoromethane	2.42	85	499119	1.137 PPB	98
6) Chloromethane	2.56	50	296768	1.052 PPB	52
7) Vinyl Chloride	2.70	62	808195	4.084 PPB	97
9) Bromomethane	3.04	94	50310	0.335 PPB	89
12) Trichlorofluoromethane	3.44	101	133952	0.312 PPB	99
22) Methylene Chloride	4.77	84	86126m	0.684 PPB	
30) cis-1,2-Dichloroethene	6.66	61	6103223	24.868 PPB	78
38) 1,2-Dichloroethane	8.05	62	443120	1.800 PPB	100
39) Benzene	8.00	78	646689	1.293 PPB	95
42) Trichloroethene	9.11	130	580273	2.120 PPB	86
57) Toluene	11.57	91	12028030	21.849 PPB	100
52) Tetrachloroethene	12.71	166	32688102	129.185 PPB	97
63) Ethylbenzene	14.98	91	2388935	3.100 PPB	92
64) m/p-Xylene	15.27	91	4936978	7.942 PPB	91
65) o-Xylene	16.23	91	1677600	2.783 PPB	89
66) Styrene	16.28	104	1243359	2.848 PPB	100
72) 4-Ethyltoluene	18.53	105	1149901	1.412 PPB	95
73) 1,3,5-Trimethylbenzene	18.78	105	642603	0.920 PPB	91
75) 1,2,4-Trimethylbenzene	19.74	105	1377252	1.995 PPB	75

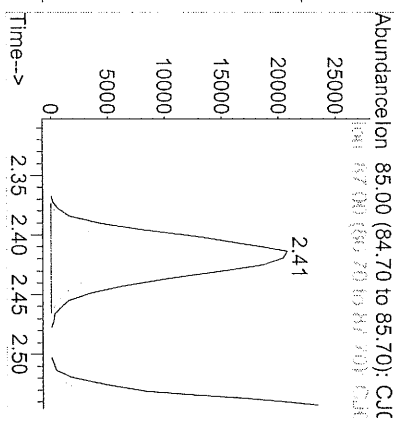
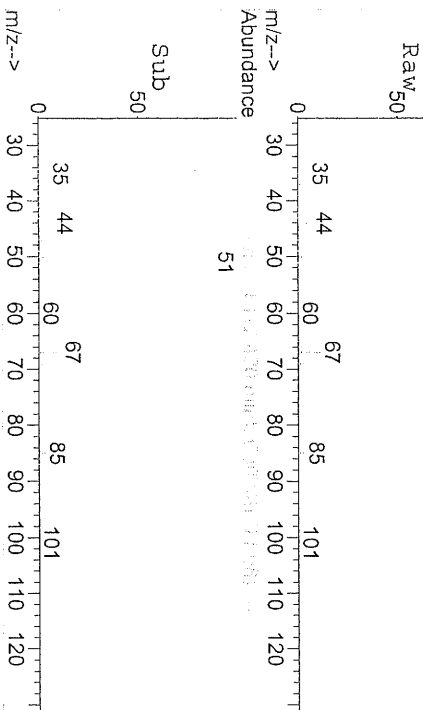
(#) = qualifier out of range (m) = manual integration (+) = signals summed

0067

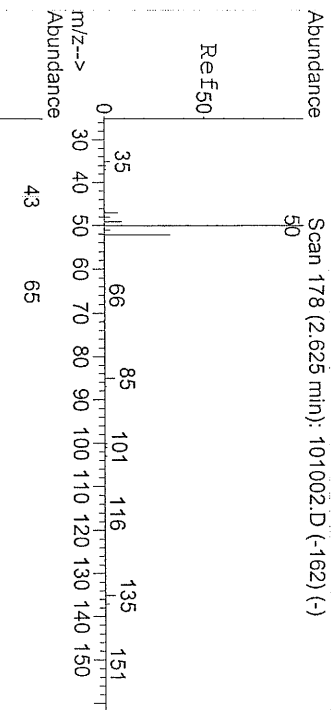


#3
Dichlorodifluoromethane
Concen: 1.14 PPB
RT: 2.42 min Scan# 143
Delta R.T. 0.00 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07

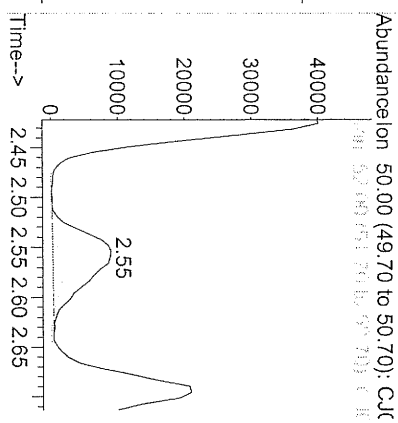
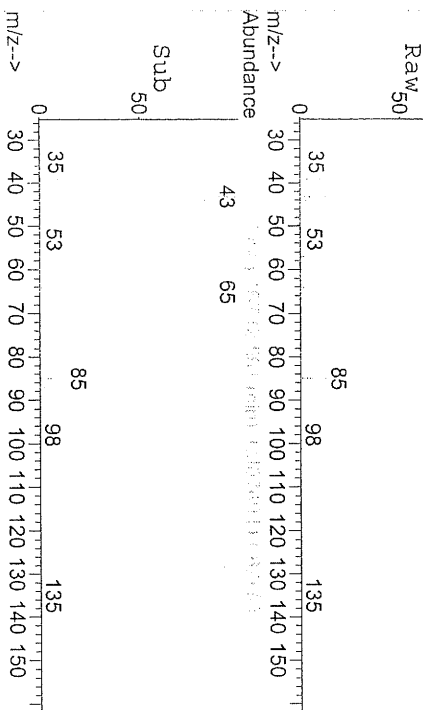
Tgt Ion: 85 Resp: 499119
Ion Ratio Lower Upper
85 100
87 33.2 25.7 38.5



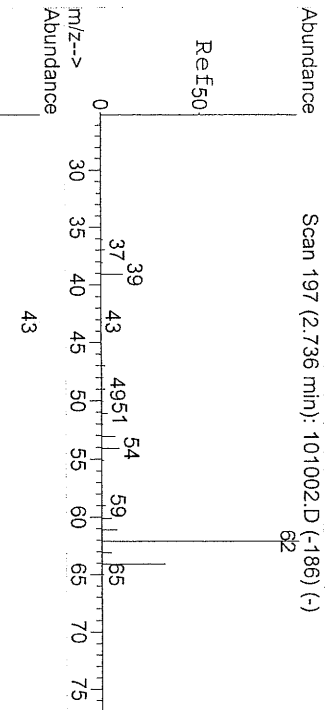
#6
Chloromethane
Concen: 1.05 PPB
RT: 2.56 min Scan# 167
Delta R.T. -0.03 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07



Tgt Ion: 50 Resp: 296768
Ion Ratio Lower Upper
50 100
52 0.0 18.6 28.0#

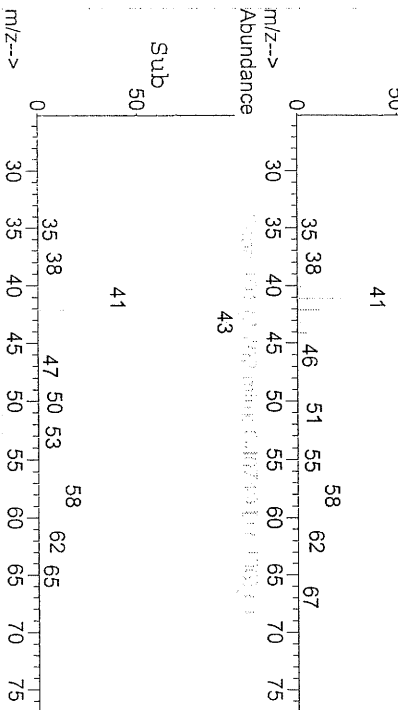


0000

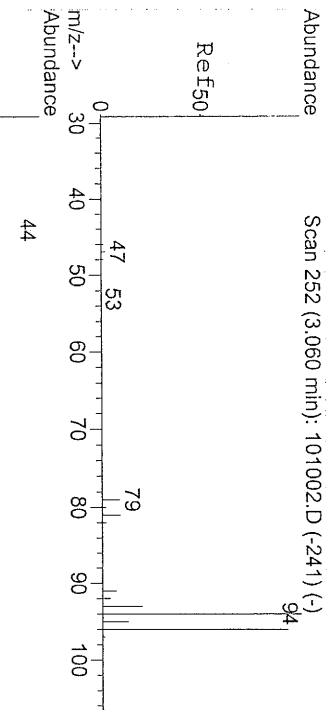


#7
Vinyl Chloride
Concen: 4.08 PPB
RT: 2.70 min Scan# 191
Delta R.T. -0.00 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07

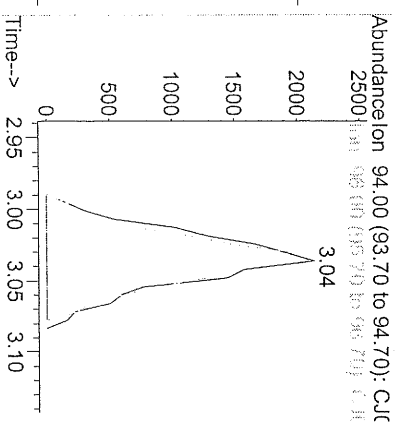
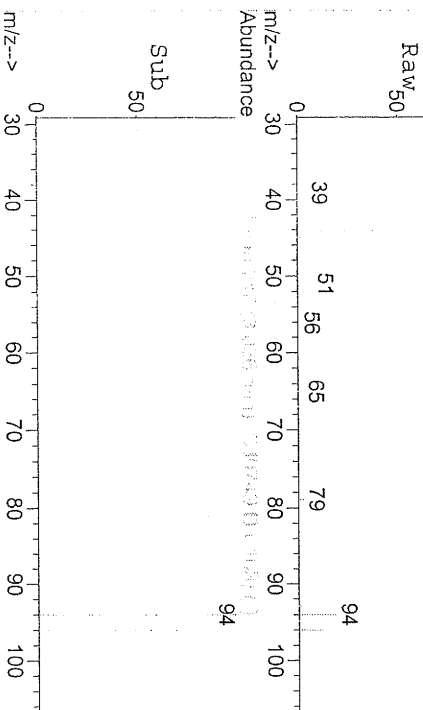
Tgt Ion	62	Resp	808195
Ion Ratio	Lower	Upper	
62	100		
64	31.6	23.8	35.6



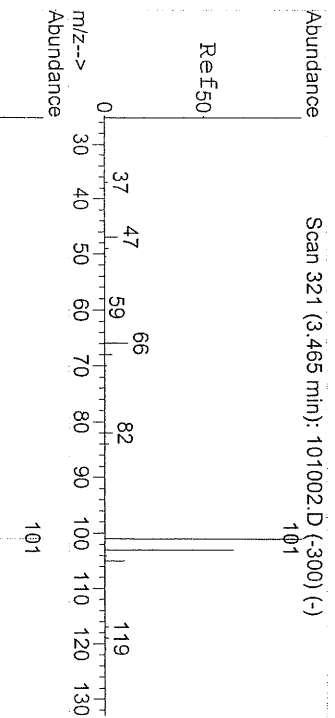
#9
Bromomethane
Concen: 0.34 PPB
RT: 3.04 min Scan# 248
Delta R.T. -0.00 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07



Tgt Ion: 94 Resp: 50310
Ion Ratio Lower Upper
94 100
96 87.4 78.3 117.5

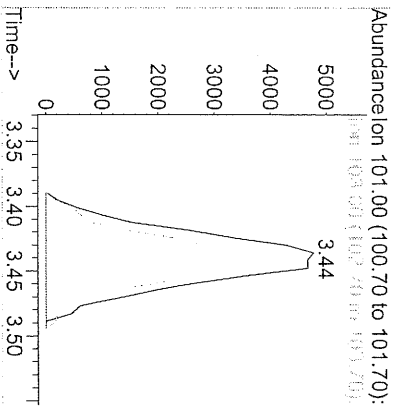
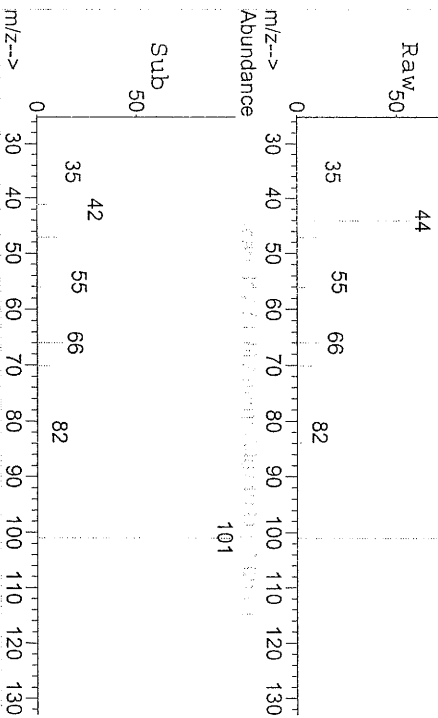


0069

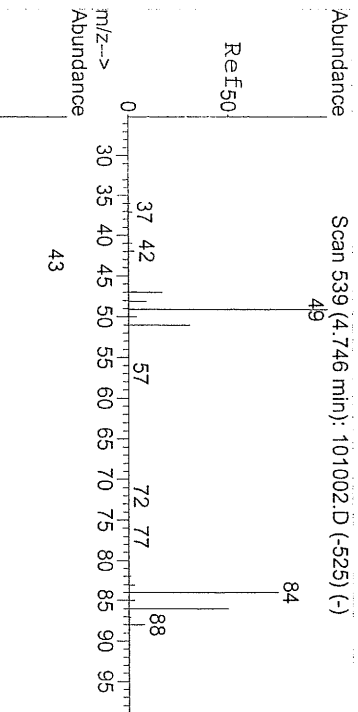


#12
Trichlorofluoromethane
Concen: 0.31 PPB
RT: 3.44 min Scan# 317
Delta R.T. -0.00 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07

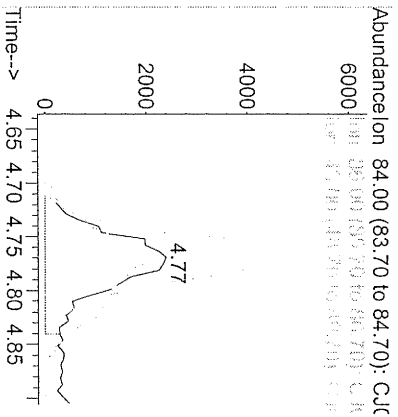
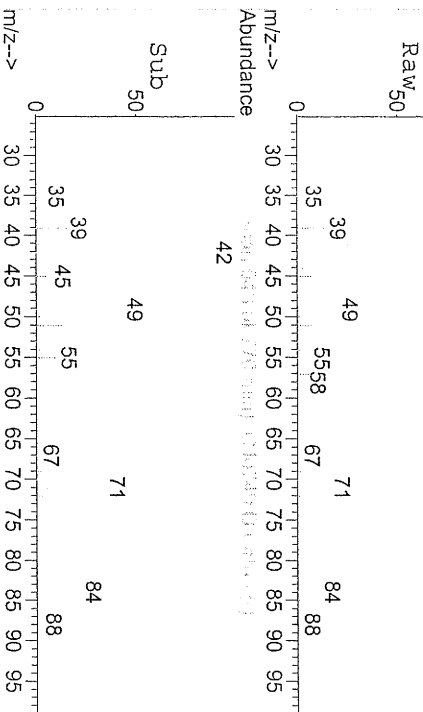
Tgt Ion:	101	Resp:	133952
Ion Ratio	100	Lower	Upper
101	100		
103	64.4	52.5	78.7



#22
Methylene Chloride
Concen: 0.68 PPB m
RT: 4.77 min Scan# 543
Delta R.T. 0.00 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07

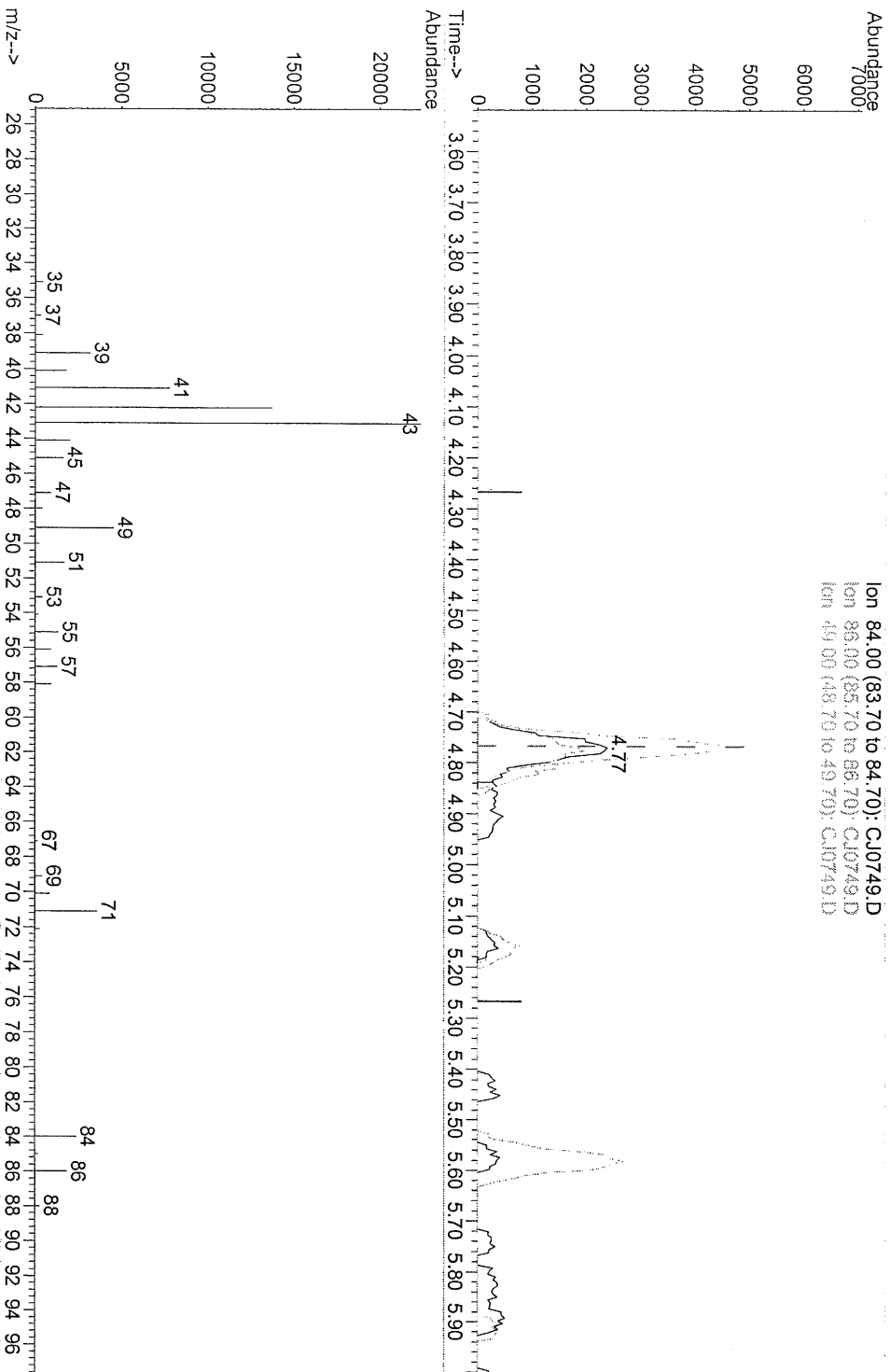


Tgt Ion:	84	Resp:	86126
Ion Ratio	100	Lower	Upper
84	100		
86	109.1	50.7	76.1#
49	173.8	123.5	185.3



0070

Data Path : C:\MSDCHEM\1\DATA\OCT29\
 Data File : CJ0749.D
 Acq On : 29 Oct 2005 18:07
 Operator : JBS
 Sample : 4628492 250CC
 Misc :
 ALS Vial : 43 Sample Multiplier: 1
 Quant Time: Oct 30 17:15:16 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLT015.M
 Quant Title :
 Quant Update : Sat Oct 29 13:19:44 2005
 Response via : Initial Calibration



(22) Methylene Chloride

4.770min (+0.003) 0.68PPB m

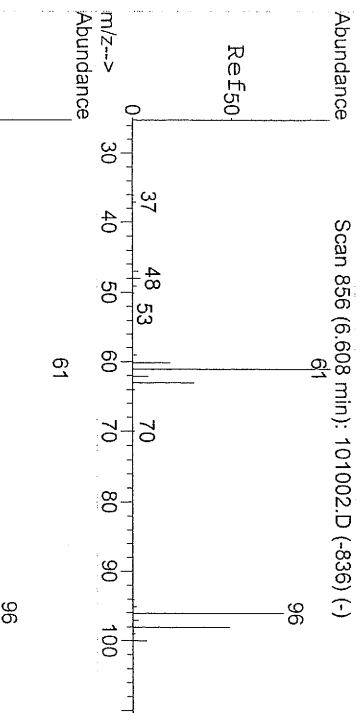
response 86126		
Ion	Exp%	Act%
84.00	100	100
86.00	63.40	109.09#
49.00	154.40	173.75
0.00	0.00	0.00

*split peak
 86.00
 49.00*

*one/412
 11/1/05*

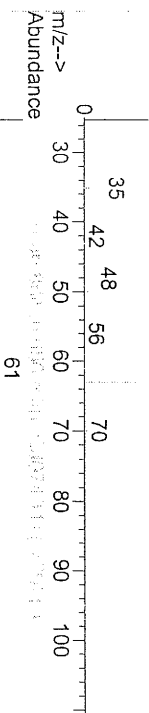
8871

#30
 cis-1,2-Dichloroethene
 Concen: 24.87 PPB
 RT: 6.66 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: CJ0749.D
 Acq: 29 Oct 2005 18:07

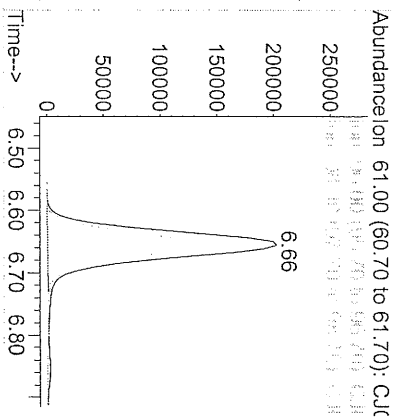
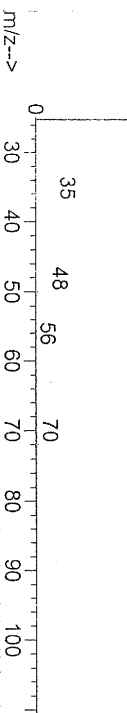


Tgt Ion: 61 Resp: 6103223
 Ion Ratio Lower Upper
 61 100
 96 62.1 66.6 99.8#
 98 39.6 43.7 65.5#

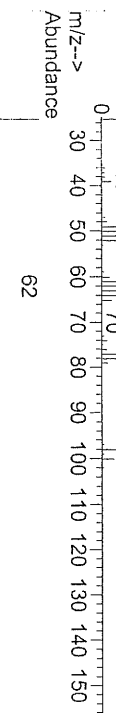
Raw



Sub

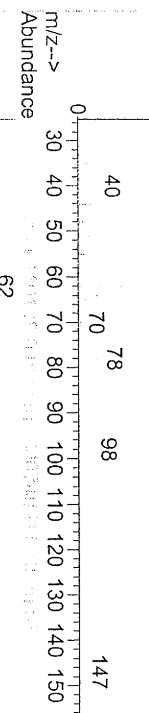


#38
 1,2-Dichloroethane
 Concen: 1.80 PPB
 RT: 8.05 min Scan# 1101
 Delta R.T. -0.01 min
 Lab File: CJ0749.D
 Acq: 29 Oct 2005 18:07

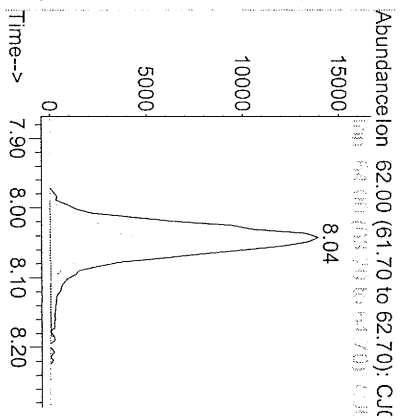
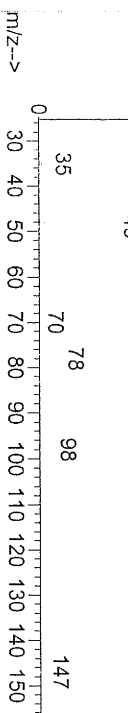


Tgt Ion: 62 Resp: 443120
 Ion Ratio Lower Upper
 62 100
 64 31.3 25.0 37.4

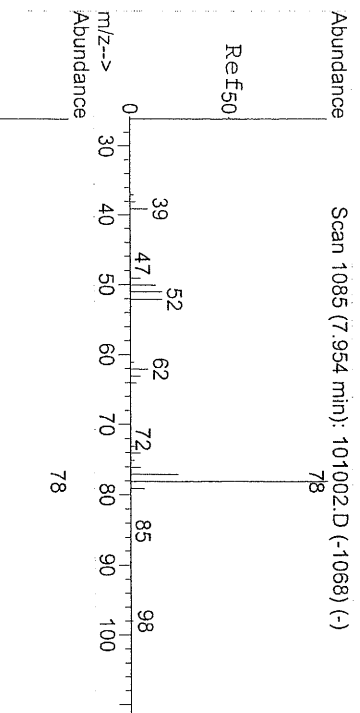
Raw



Sub

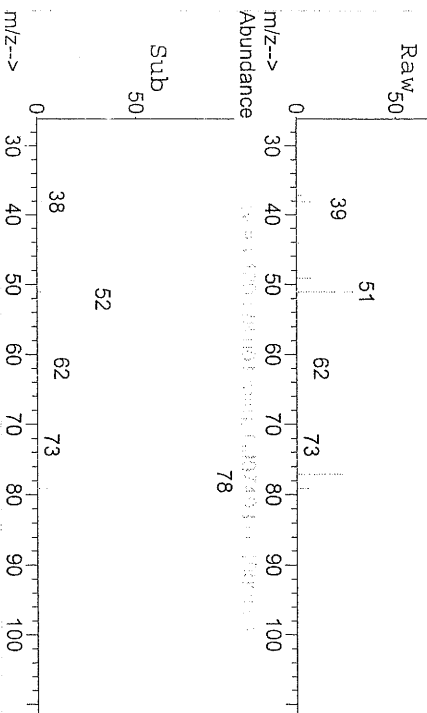


0872

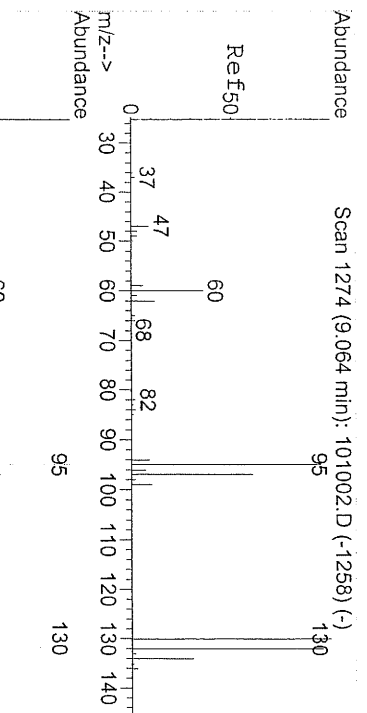
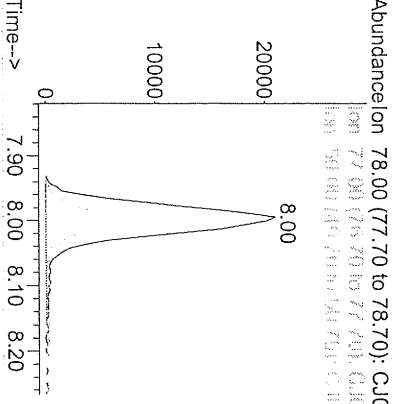


#39
Benzene
Concen: 1.29 PPB
RT: 8.00 min Scan# 1093
Delta R.T. -0.01 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07

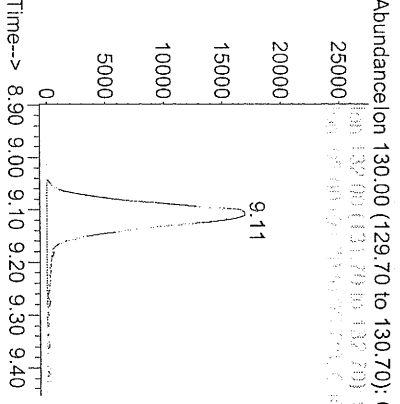
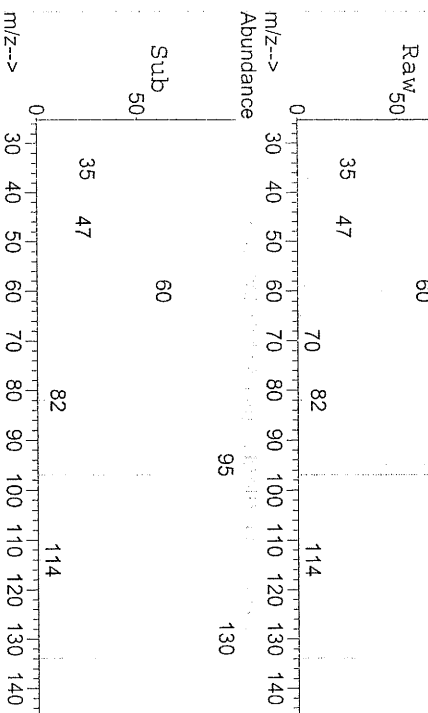
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.4	29.2
50	23.2	15.7	23.5



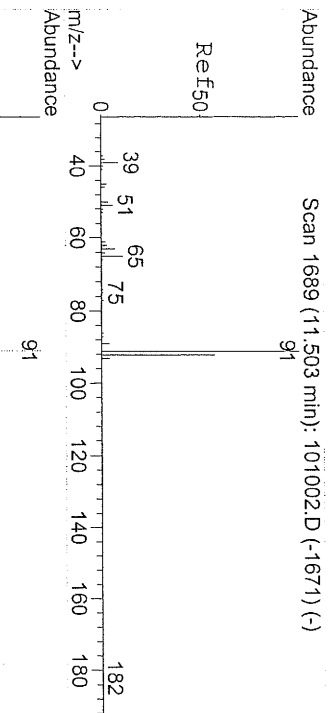
#42
Trichloroethene
Concen: 2.12 PPB
RT: 9.11 min Scan# 1282
Delta R.T. -0.01 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07



Tgt Ion	Ratio	Lower	Upper
130	100		
132	93.2	79.0	118.6
95	104.1	66.1	99.1



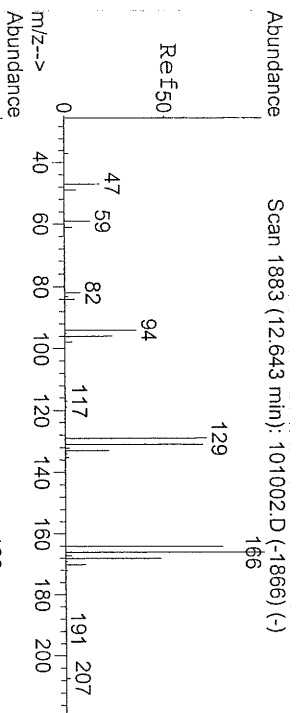
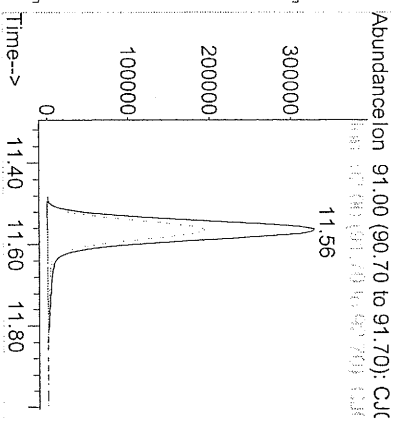
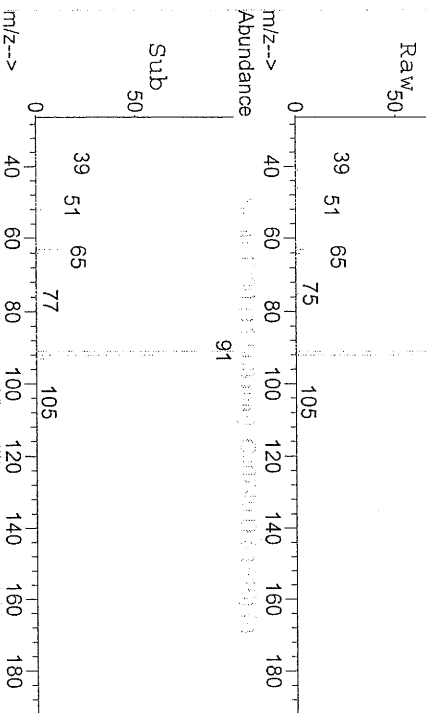
8873



#52
Toluene
Concen: 21.85 PPB
RT: 11.57 min Scan# 1700
Delta R.T. -0.01 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07

Tgt Ion: 91 Resp: 12028030

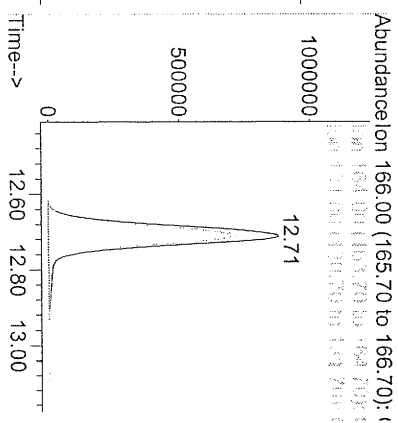
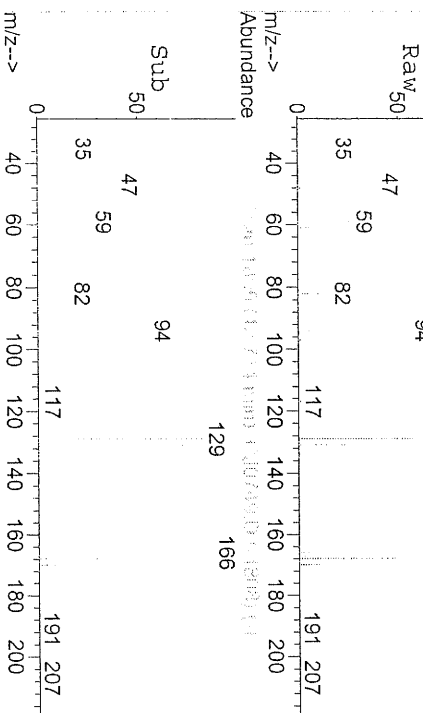
Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.4	68.0



#57
Tetrachloroethene
Concen: 129.19 PPB
RT: 12.71 min Scan# 1895
Delta R.T. 0.01 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07

Tgt Ion: 166 Resp: 32688102

Ion	Ratio	Lower	Upper
166	100		
164	79.1	63.0	94.6
131	80.9	61.1	91.7



0074

Scan 2269 (14.911 min): 101002.D (-2249) (-)

#63

Ethylbenzene

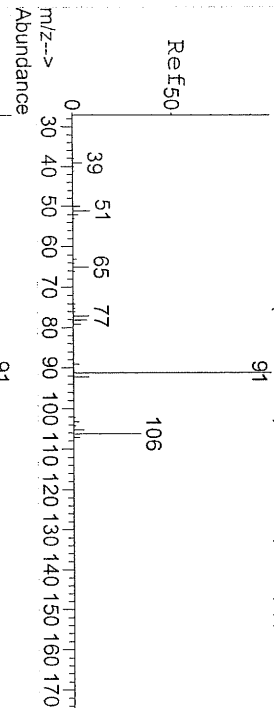
Concen: 3.10 PPB

RT: 14.98 min Scan# 2280

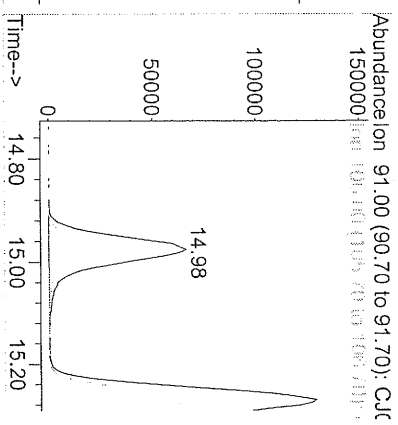
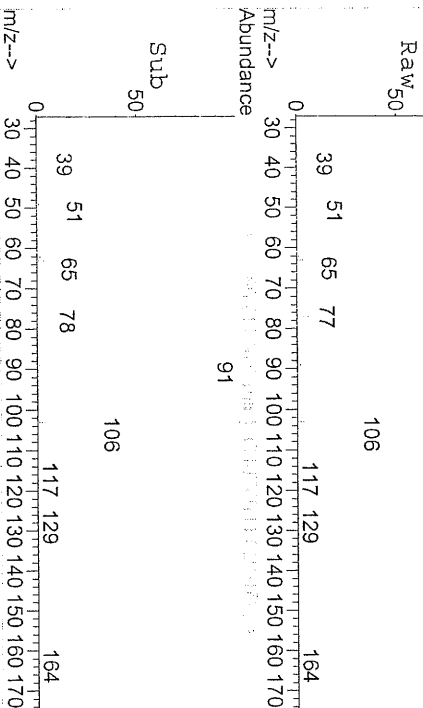
Delta R.T. -0.01 min

Lab File: CJ0749.D

Acq: 29 Oct 2005 18:07



Tgt Ion: 91 Resp: 2388935
Ion Ratio Lower Upper
91 100
106 31.3 28.8 43.2



Scan 2321 (15.216 min): 101002.D (-2301) (-)

#64

m/p-Xylene

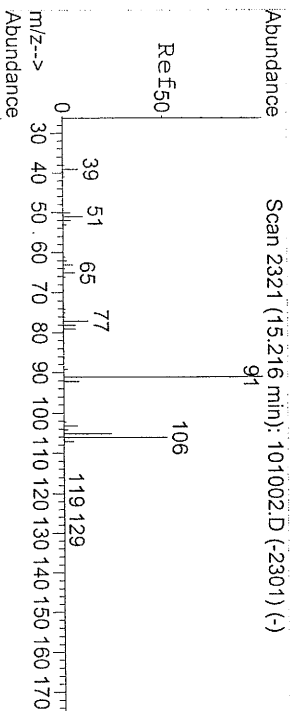
Concen: 7.94 PPB

RT: 15.27 min Scan# 2331

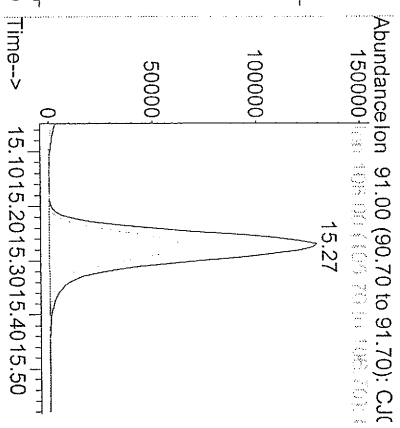
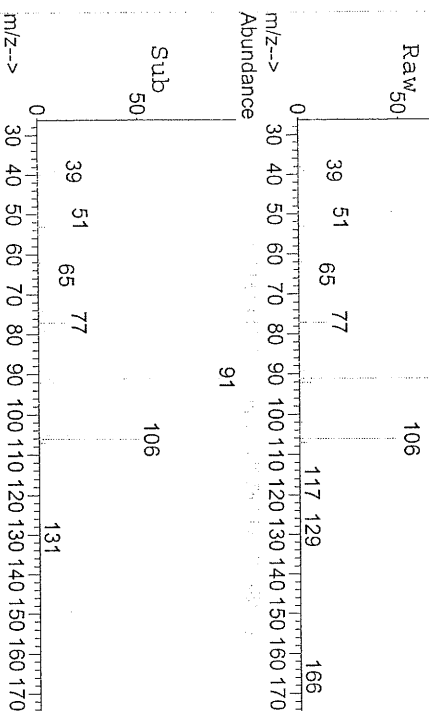
Delta R.T. -0.01 min

Lab File: CJ0749.D

Acq: 29 Oct 2005 18:07

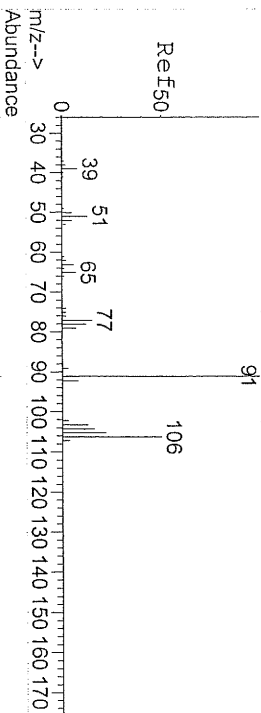


Tgt Ion: 91 Resp: 4936978
Ion Ratio Lower Upper
91 100
106 49.7 45.0 67.4



0075

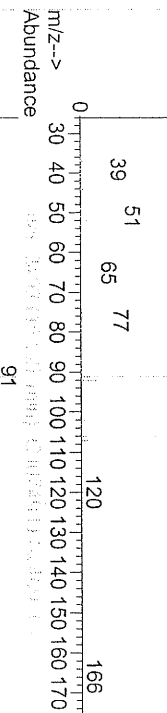
Abundance Scan 2481 (16.156 min): 101002.D (-2457) (-)



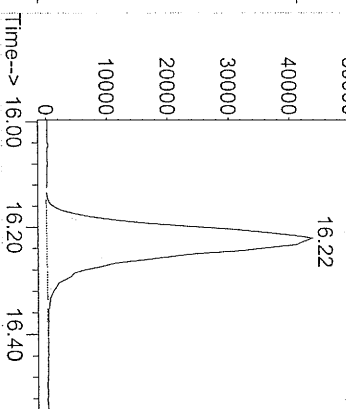
#65
o-Xylene
Concen: 2.78 PPB
RT: 16.23 min Scan# 2493
Delta R.T. -0.01 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07

Tgt Ion: 91 Resp: 1677600
Ion Ratio Lower Upper
91 100
106 46.5 43.4 65.0

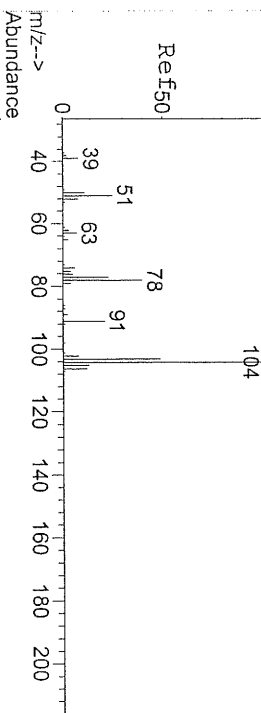
Raw 50



Abundance 91.00 (90.70 to 91.70): CJC



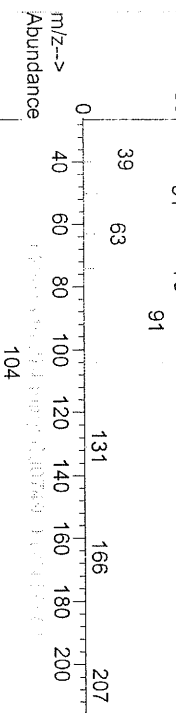
Abundance Scan 2489 (16.203 min): 101002.D (-2467) (-)



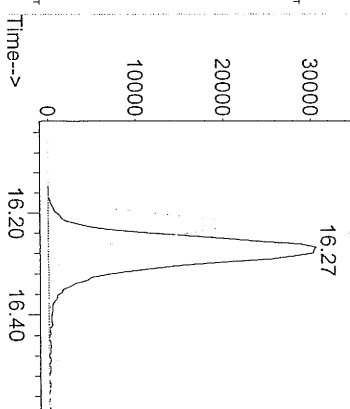
#66
Styrene
Concen: 2.85 PPB
RT: 16.28 min Scan# 2501
Delta R.T. -0.01 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07

Tgt Ion: 104 Resp: 1243359
Ion Ratio Lower Upper
104 100
106 0.0 0.0 0.0

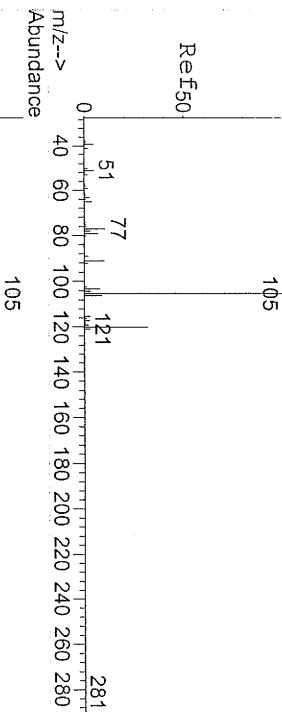
Raw 50



Abundance 104.00 (103.70 to 104.70): CJC



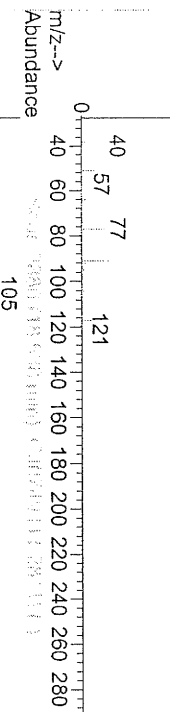
Abundance Scan 2882 (18.512 min): 101002.D (-2857) (-)



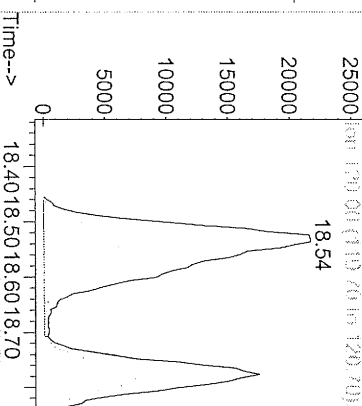
#72
4-Ethyltoluene
Concen: 1.41 PPB
RT: 18.53 min Scan# 2886
Delta R.T. -0.06 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07

Tgt Ion:105 Resp: 1149901
Ion Ratio Lower Upper
105 100
120 30.9 27.0 40.6

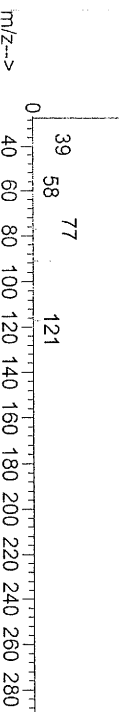
Raw



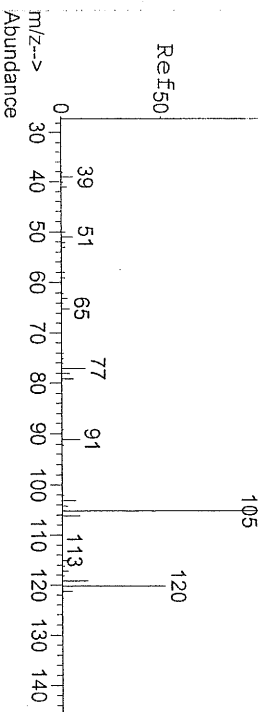
Abundance Ion 105.00 (104.70 to 105.70):



Sub



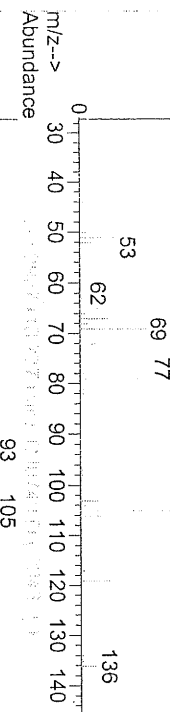
Abundance Scan 2915 (18.706 min): 101002.D (-2899) (-)



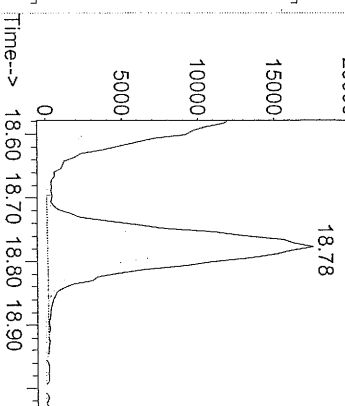
#73
1,3,5-Trimethylbenzene
Concen: 0.92 PPB
RT: 18.78 min Scan# 2927
Delta R.T. -0.00 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07

Tgt Ion:105 Resp: 642603
Ion Ratio Lower Upper
105 100
120 48.1 43.9 65.9

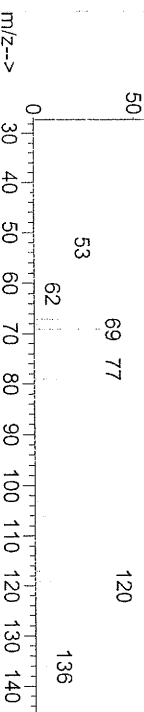
Raw



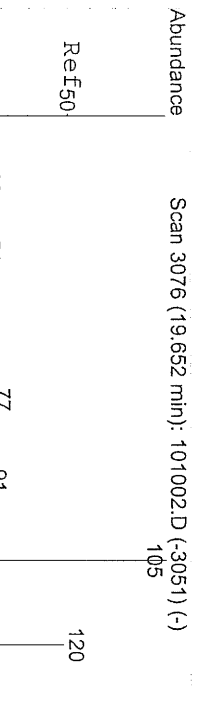
Abundance Ion 105.00 (104.70 to 105.70):



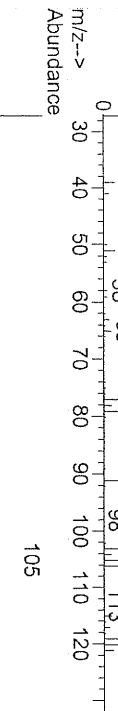
Sub



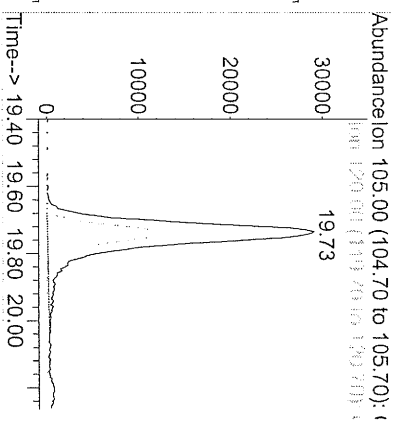
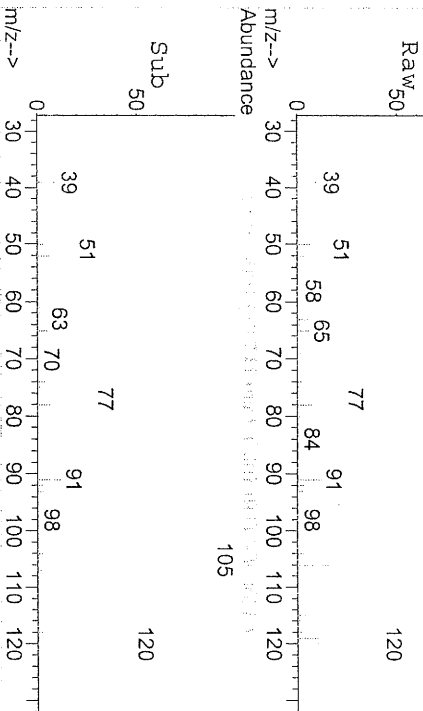
0077



#75
1,2,4-Trimethylbenzene
Concen: 1.99 PPB
RT: 19.74 min Scan# 3091
Delta R.T. -0.00 min
Lab File: CJ0749.D
Acq: 29 Oct 2005 18:07



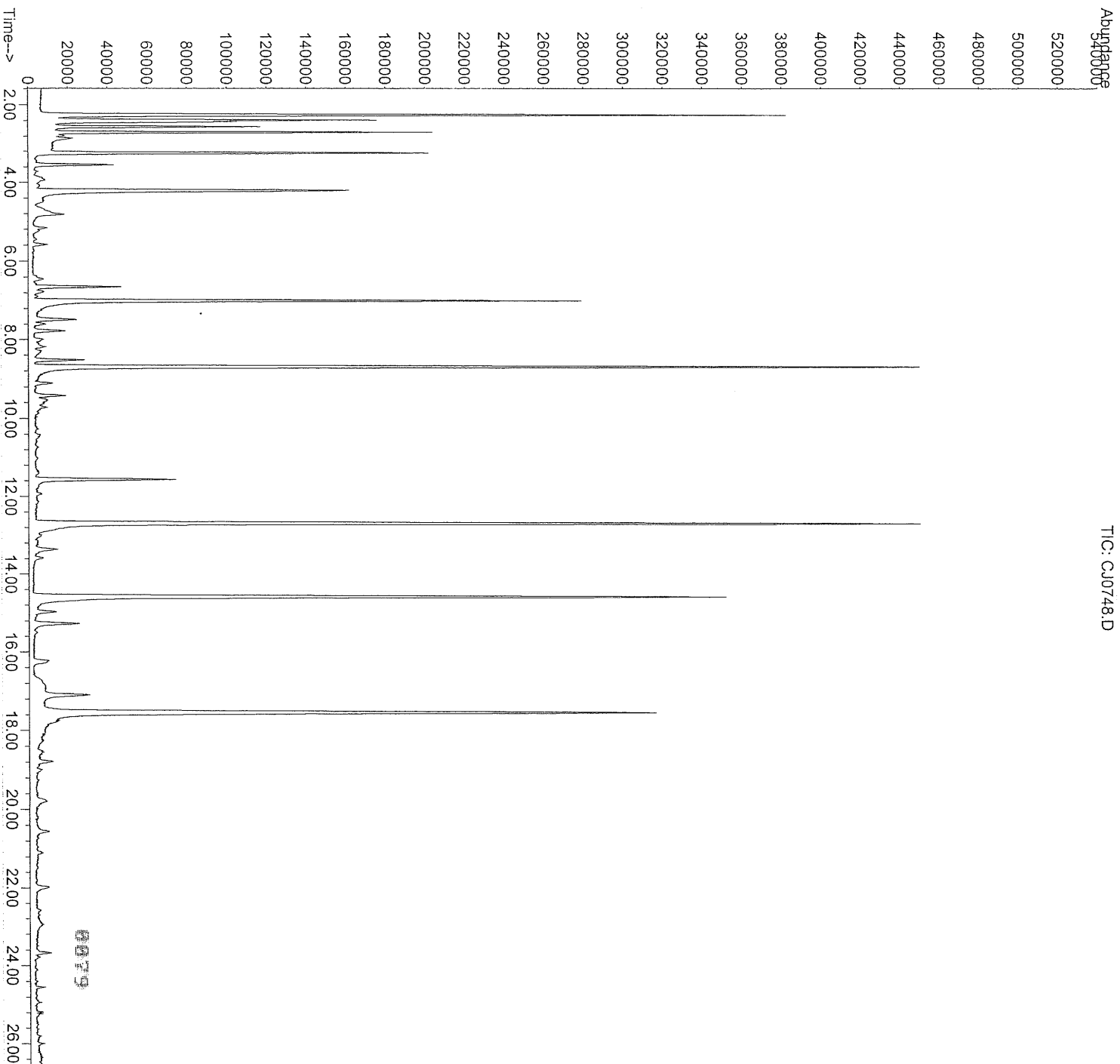
Tgt Ion: 105 Resp: 1377252
Ion Ratio Lower Upper
105 100
120 35.5 42.3 63.5#



0070

Data Path : C:\MSDCHEM\1\DATA\OCT29\
Data File : CJ0748.D
Acq On : 29 Oct 2005 17:29
Operator : JBS
Sample : 4628492 25CC
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Nov 07 23:25:01 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLT015.M
Quant Title :
Quant Update : Sat Oct 29 13:19:44 2005
Response via : Initial Calibration



Data Path : C:\MSDCHEM\1\DATA\OCT29\
Data File : CJ0748.D
Acq On : 29 Oct 2005 17:29
Operator : JBS
Sample : 4628492 25CC
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Nov 07 23:25:01 2005

Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M

Quant Title :

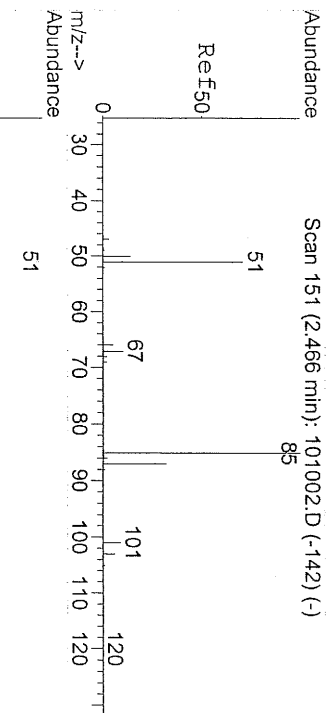
Quant Update : Sat Oct 29 13:19:44 2005

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	7.01	130	1349706	10.000	0.00
37) 1,4-Difluorobenzene	8.70	114	5581138	10.000	0.00
51) Chlorobenzene d5	14.58	117	4333368	10.000	-0.01
Target Compounds					
4) Chlorodifluoromethane	2.43	51	1799838	5.382 PPB	Qvalue 90
7) Vinyl Chloride	2.70	62	70588	0.396 PPB	45
30) cis-1,2-Dichloroethene	6.65	61	468848	2.122 PPB	75
42) Trichloroethene	9.11	130	49236	0.197 PPB	54
52) Toluene	11.56	91	921761	1.981 PPB	96
57) Tetrachloroethene	12.69	166	2593429	12.127 PPB	98
63) Ethylbenzene	14.98	91	152355m	0.234 PPB	
64) m/p-Xylene	15.27	91	310533	0.591 PPB	89
65) o-Xylene	16.22	91	103521	0.203 PPB	86

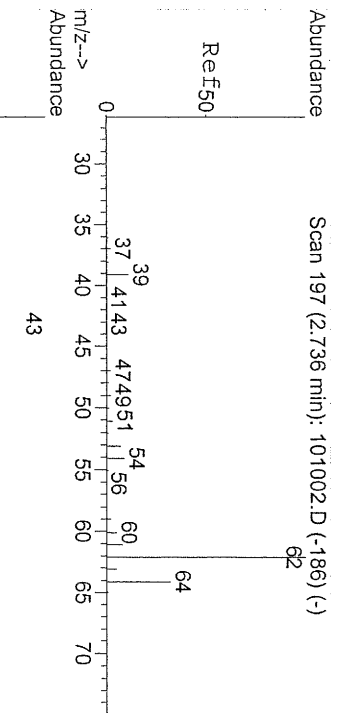
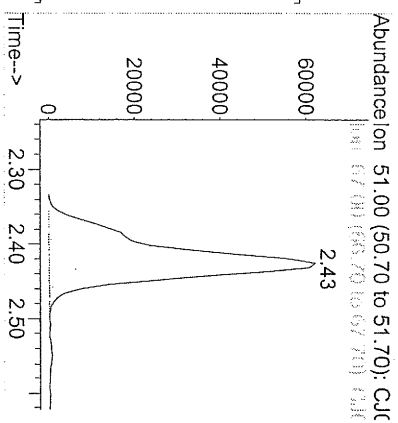
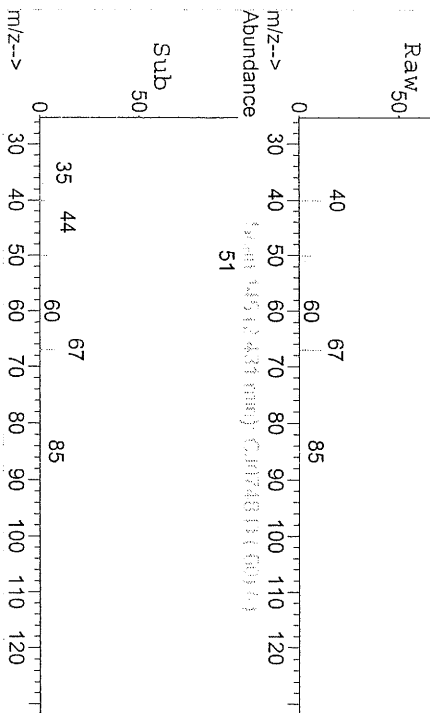
(#) = qualifier out of range (m) = manual integration (+) = signals summed

0000



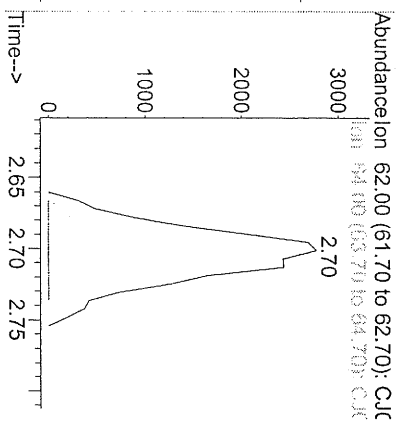
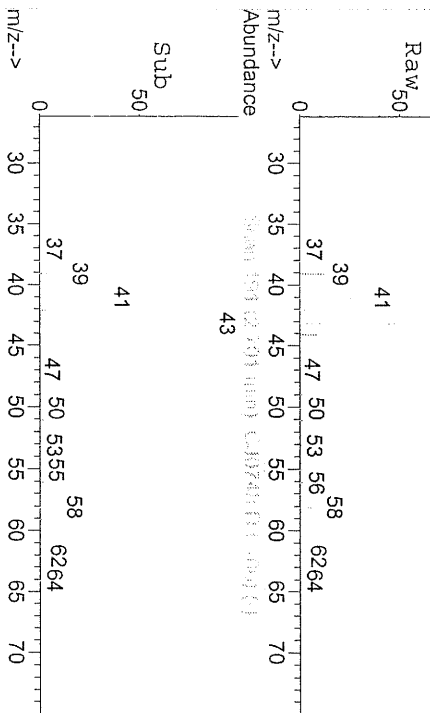
#4
Chlorodifluoromethane
Concen: 5.38 PPB
RT: 2.43 min Scan# 145
Delta R.T. 0.00 min
Lab File: CJ0748.D
Acq: 29 Oct 2005 17:29

Tgt Ion: 51 Resp: 1799838
Ion Ratio Lower Upper
51 100
67 9.1 10.5 15.7#

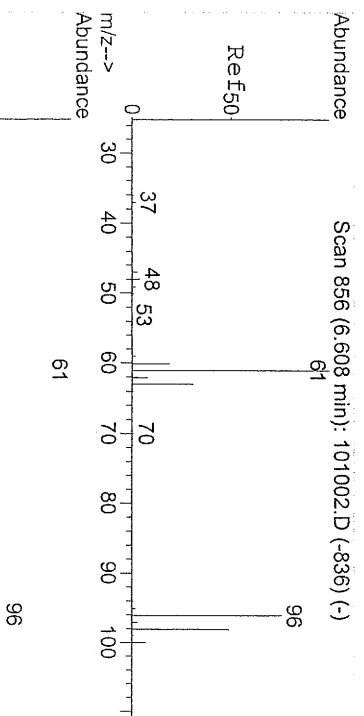


#7
Vinyl Chloride
Concen: 0.40 PPB
RT: 2.70 min Scan# 191
Delta R.T. 0.00 min
Lab File: CJ0748.D
Acq: 29 Oct 2005 17:29

Tgt Ion: 62 Resp: 70588
Ion Ratio Lower Upper
62 100
64 0.0 23.8 35.6#

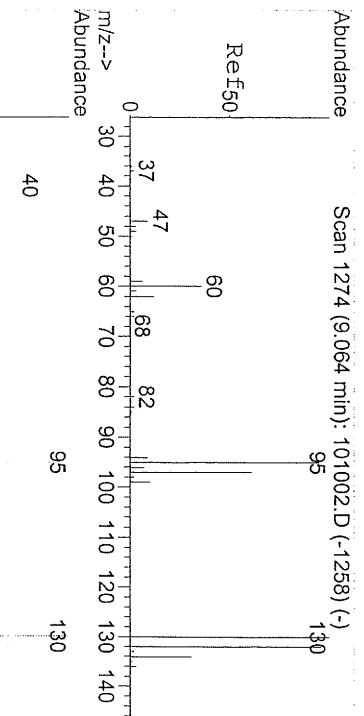
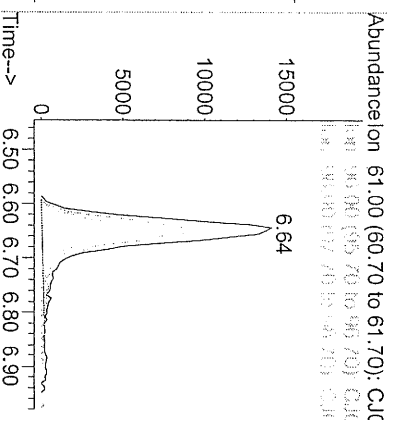
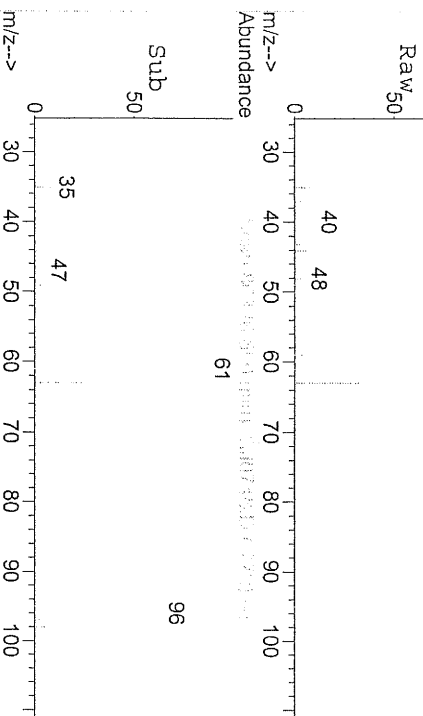


0001

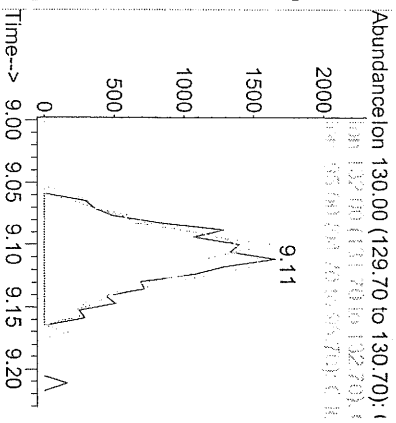
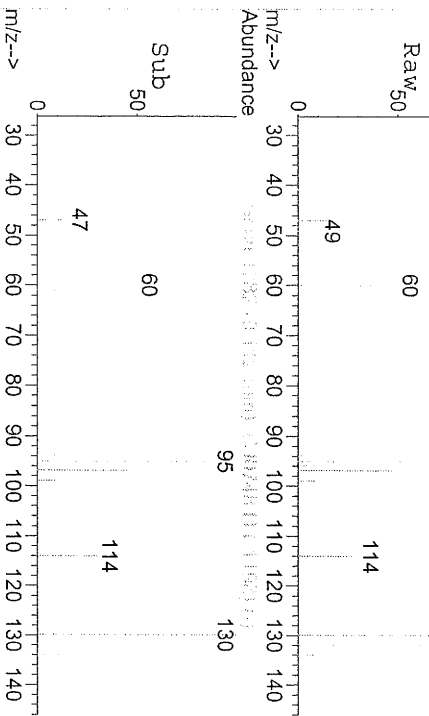


#30
cis-1,2-Dichloroethene
Concen: 2.12 PPB
RT: 6.65 min Scan# 863
Delta R.T. -0.01 min
Lab File: CJ0748.D
Acq: 29 Oct 2005 17:29

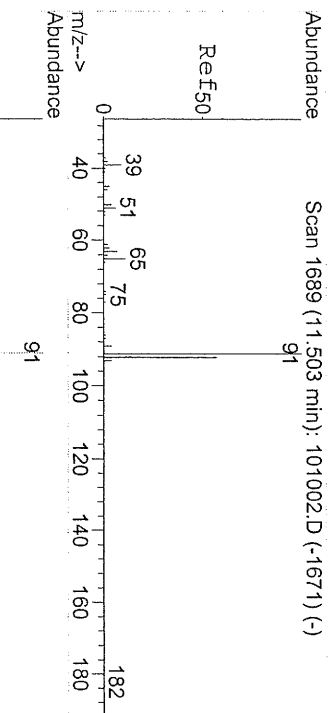
Tgt Ion: 61 Resp: 468848
Ion Ratio Lower Upper
61 100
96 58.9 66.6 99.8#
98 38.6 43.7 65.5#



Tgt Ion: 130 Resp: 49236
Ion Ratio Lower Upper
130 100
132 91.6 79.0 118.6
95 0.0 66.1 99.1#

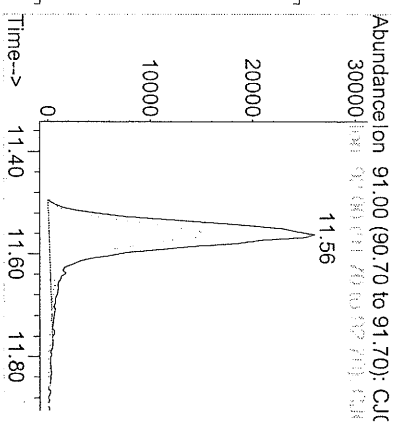
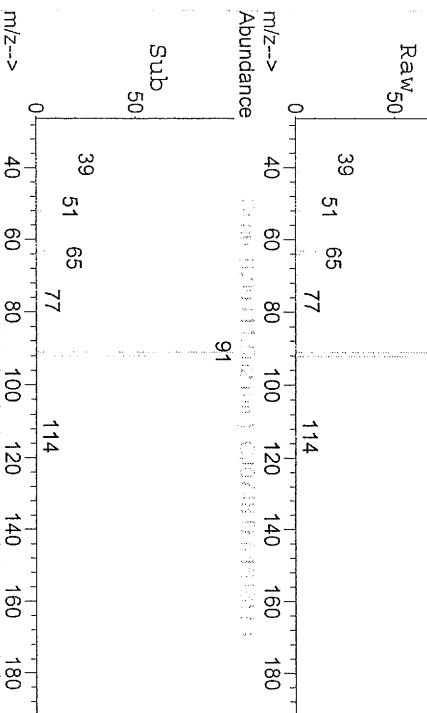


0002

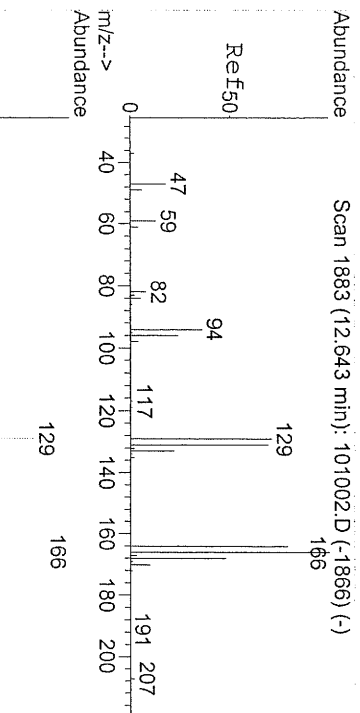


#52
Toluene
Concen: 1.98 PPB
RT: 11.56 min Scan# 1699
Delta R.T. -0.01 min
Lab File: CJ0748.D
Acq: 29 Oct 2005 17:29

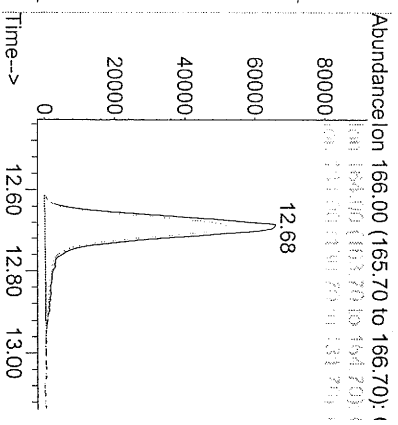
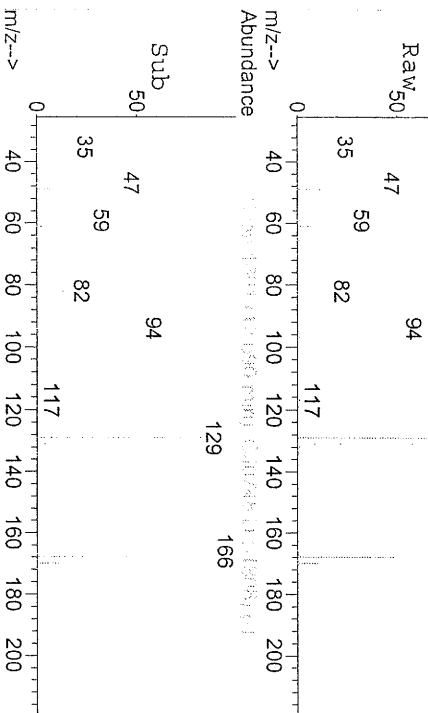
Tgt Ion: 91 Resp: 921761
Ion Ratio Lower Upper
91 100
92 59.8 45.4 68.0



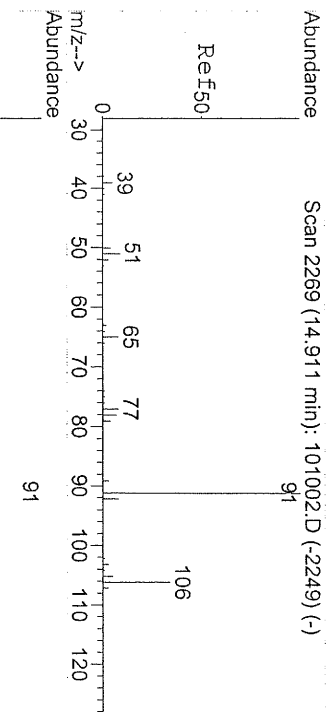
#57
Tetrachloroethene
Concen: 12.13 PPB
RT: 12.69 min Scan# 1891
Delta R.T. -0.01 min
Lab File: CJ0748.D
Acq: 29 Oct 2005 17:29



Tgt Ion: 166 Resp: 2593429
Ion Ratio Lower Upper
166 100
164 79.5 63.0 94.6
131 79.1 61.1 91.7

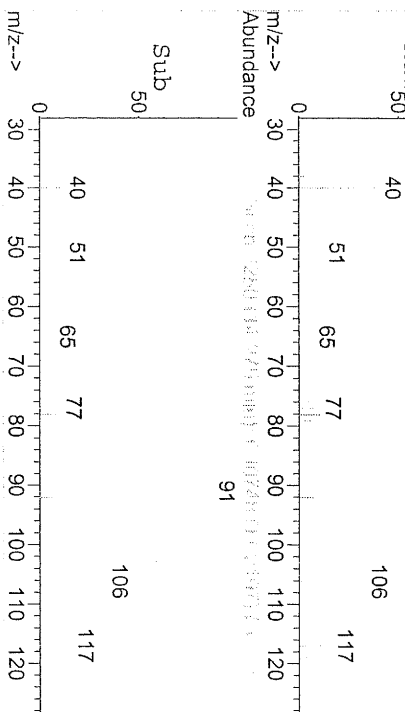


0003



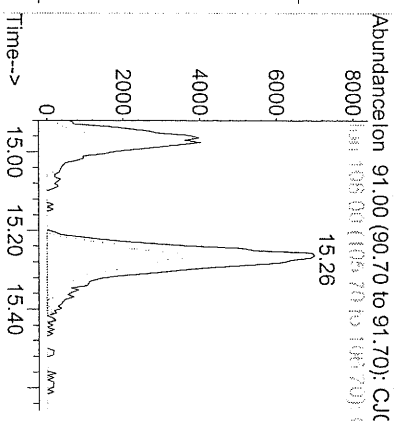
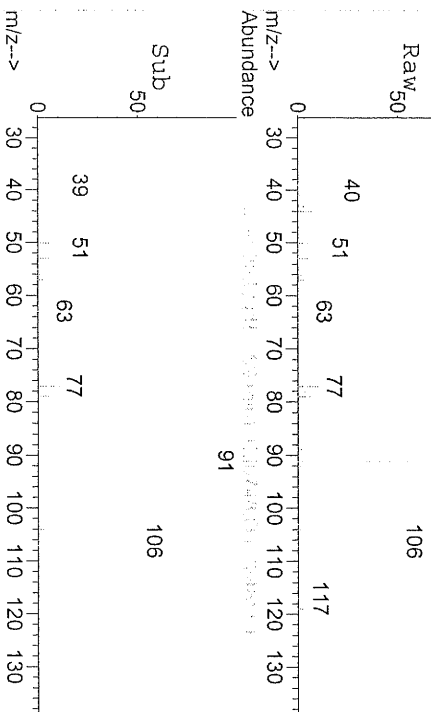
#63
Ethylbenzene
Concen: 0.23 PPB m
RT: 14.98 min Scan# 2280
Delta R.T. -0.01 min
Lab File: CJ0748.D
Acq: 29 Oct 2005 17:29

Tgt Ion: 91 Resp: 152355
Ion Ratio Lower Upper
91 100
106 82.9 28.8 43.2#



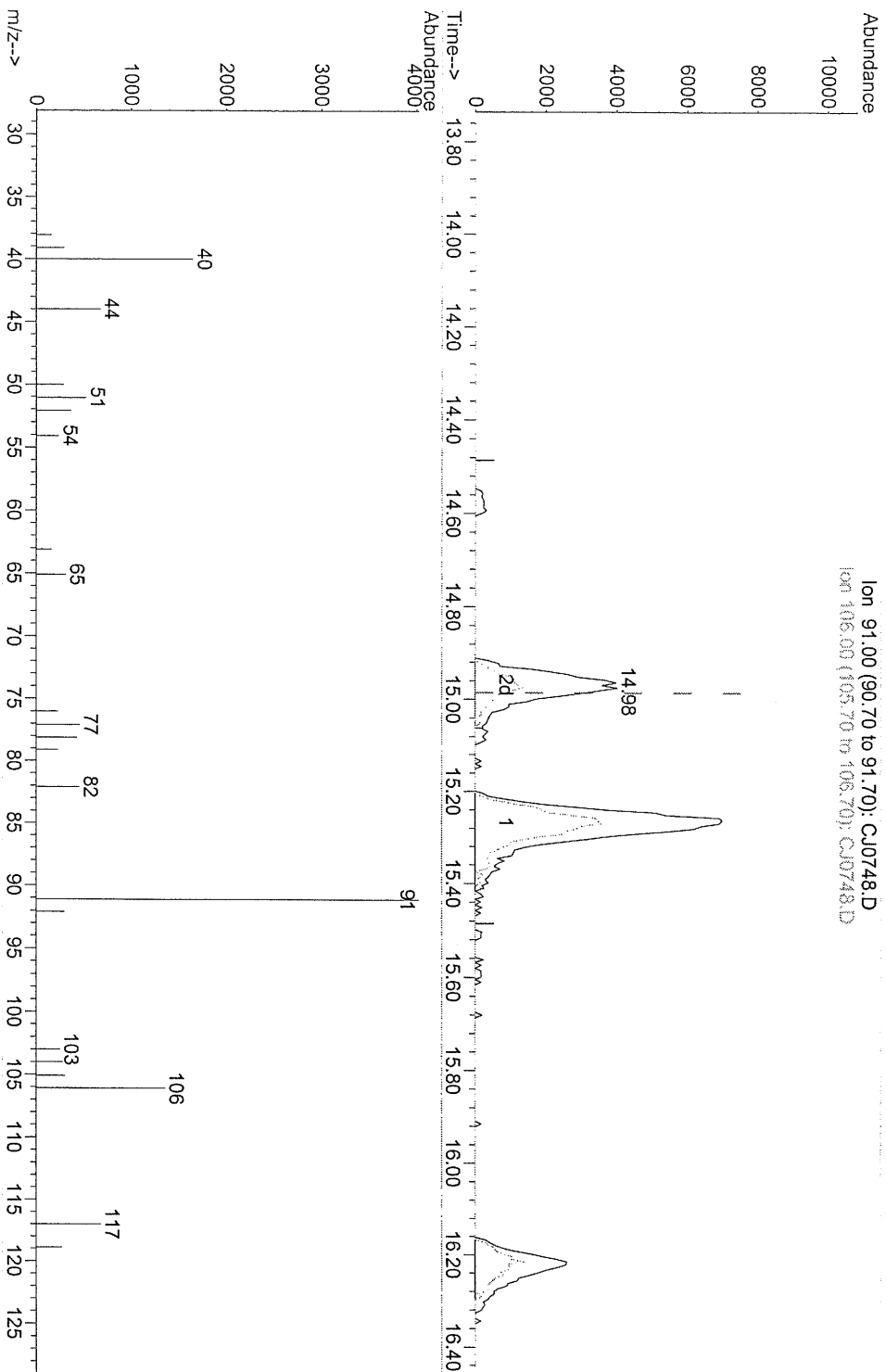
#64
m/p-Xylene
Concen: 0.59 PPB
RT: 15.27 min Scan# 2330
Delta R.T. -0.02 min
Lab File: CJ0748.D
Acq: 29 Oct 2005 17:29

Tgt Ion: 91 Resp: 310533
Ion Ratio Lower Upper
91 100
106 48.0 45.0 67.4



0004

Data Path : C:\MSDCHEM\1\DATA\OCT29\
 Data File : CJ0748.D
 Acq On : 29 Oct 2005 17:29
 Operator : JBS
 Sample : 4628492 25CC
 Misc :
 ALS Vial : 42 Sample Multiplier: 1
 Quant Time: Oct 29 16:56:17 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLT015.M
 Quant Title :
 Quant Update : Sat Oct 29 13:19:44 2005
 Response via : Initial Calibration



(63) Ethylbenzene

14.975min (-0.010) 0.23PPB m

response 152355

Ion	Exp%	Act%
91.00	100	100
106.00	36.00	82.93#
0.00	0.00	0.00
0.00	0.00	0.00

curious peak
100% 10/31/05

CME/412
11/11/05

0085