

Data Package

NYSDEC ASP Category B Data Package

*Analytical Data Report Package
for
Toxikon*

*Charlton Cleaners
Air Samples
Collected on 06/08/05-06/16/05
Sample No. 4540159-4540165, 4545499-4545503*

SDG# TCC02

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

Prepared by Carolyn Schwartz
Quality Assurance Review Audrey McClune
Date 7-21-05

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**Sample Reference List for SDG Number TCC02
with a Data Package Type of NYSDEC B**

11365 - Toxikon
Charlton Cleaners

Lab Sample Number	Lab Sample Code	Client Sample Description
4540159	.SG1CT	SG-1 Summa Canister #0410 Air Sample
4540160	,SG3CT	SG-3 Summa Canister #0203 Air Sample
4540161	.SG4CT	SG-4 Summa Canister #0131 Air Sample
4540162	.SG5CT	SG-5 Summa Canister #0337 Air Sample
4540163	.SG6CT	SG-6 Summa Canister #0310 Air Sample
4540164	.SG7CT	SG-7 Summa Canister #0404 Air Sample
4540165	SG8CT	SG-8 Summa Canister #0205 Air Sample
4545499	~SG-9	SG-9 Summa Can# 0986 Grab Air Sample
4545500	~SG10	SG-10 Summa Can# 0992 Grab Air Sample
4545501	~SG11	SG-11 Summa Can# 0984 Grab Air Sample
4545502	~SG12	SG-12 Summa Can# 0993 Grab Air Sample
4545503	~SG-2	SG-2 Summa Can# 0987 Grab Air Sample

0001

Lancaster Laboratories
Where quality is a science.

Acct. #

Group# 946705 Sample #

Group# 946705 Sample #

Group# 946705 Sample #

Please print. Instructions on reverse side correspond with circled numbers.

2102 Rev. 10/27/02

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Analysis Request / Environmental Services Chain of Custody



Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct # 11365 Group # 947806 Sample # 4545499-503

COC # 0088732

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: <u>LBG INC. (CO TOXIKON)</u> Acct. #: _____ Project Name: <u>CHARLTON CLEANER</u> PWSID #: _____ Project Manager: <u>SEAN GROZKOWSKI</u> P.O. #: _____ Sampler: <u>SEAN GROZKOWSKI</u> Quote #: _____ Name of state where samples were collected: <u>NEW YORK</u>		2 <table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Lab ID</th> <th>Date</th> <th>Time</th> <th>Category</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>SG-9</td> <td>0986</td> <td>6/16/05</td> <td>9⁴⁶</td> <td>X</td> <td rowspan="5"> 6 CATEGORY B DELIVERABLES </td> </tr> <tr> <td>SG-10</td> <td>0992</td> <td></td> <td>9⁵²</td> <td>X</td> </tr> <tr> <td>SG-11</td> <td>0984</td> <td></td> <td>10²²</td> <td>X</td> </tr> <tr> <td>SG-12</td> <td>0993</td> <td></td> <td>11⁰⁰</td> <td>X</td> </tr> <tr> <td>SG-2</td> <td>0987</td> <td></td> <td>13⁰³</td> <td>X</td> </tr> </tbody> </table>		Sample Identification	Lab ID	Date	Time	Category	Remarks	SG-9	0986	6/16/05	9 ⁴⁶	X	6 CATEGORY B DELIVERABLES	SG-10	0992		9 ⁵²	X	SG-11	0984		10 ²²	X	SG-12	0993		11 ⁰⁰	X	SG-2	0987		13 ⁰³	X	3 <table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Lab ID</th> <th>Date</th> <th>Time</th> <th>Category</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>SG-9</td> <td>0986</td> <td>6/16/05</td> <td>9⁴⁶</td> <td>X</td> <td rowspan="5"> 6 CATEGORY B DELIVERABLES </td> </tr> <tr> <td>SG-10</td> <td>0992</td> <td></td> <td>9⁵²</td> <td>X</td> </tr> <tr> <td>SG-11</td> <td>0984</td> <td></td> <td>10²²</td> <td>X</td> </tr> <tr> <td>SG-12</td> <td>0993</td> <td></td> <td>11⁰⁰</td> <td>X</td> </tr> <tr> <td>SG-2</td> <td>0987</td> <td></td> <td>13⁰³</td> <td>X</td> </tr> </tbody> </table>		Sample Identification	Lab ID	Date	Time	Category	Remarks	SG-9	0986	6/16/05	9 ⁴⁶	X	6 CATEGORY B DELIVERABLES	SG-10	0992		9 ⁵²	X	SG-11	0984		10 ²²	X	SG-12	0993		11 ⁰⁰	X	SG-2	0987		13 ⁰³	X	4 <table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Lab ID</th> <th>Date</th> <th>Time</th> <th>Category</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>SG-9</td> <td>0986</td> <td>6/16/05</td> <td>9⁴⁶</td> <td>X</td> <td rowspan="5"> 6 CATEGORY B DELIVERABLES </td> </tr> <tr> <td>SG-10</td> <td>0992</td> <td></td> <td>9⁵²</td> <td>X</td> </tr> <tr> <td>SG-11</td> <td>0984</td> <td></td> <td>10²²</td> <td>X</td> </tr> <tr> <td>SG-12</td> <td>0993</td> <td></td> <td>11⁰⁰</td> <td>X</td> </tr> <tr> <td>SG-2</td> <td>0987</td> <td></td> <td>13⁰³</td> <td>X</td> </tr> </tbody> </table>		Sample Identification	Lab ID	Date	Time	Category	Remarks	SG-9	0986	6/16/05	9 ⁴⁶	X	6 CATEGORY B DELIVERABLES	SG-10	0992		9 ⁵²	X	SG-11	0984		10 ²²	X	SG-12	0993		11 ⁰⁰	X	SG-2	0987		13 ⁰³	X	5 <table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Lab ID</th> <th>Date</th> <th>Time</th> <th>Category</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>SG-9</td> <td>0986</td> <td>6/16/05</td> <td>9⁴⁶</td> <td>X</td> <td rowspan="5"> 6 CATEGORY B DELIVERABLES </td> </tr> <tr> <td>SG-10</td> <td>0992</td> <td></td> <td>9⁵²</td> <td>X</td> </tr> <tr> <td>SG-11</td> <td>0984</td> <td></td> <td>10²²</td> <td>X</td> </tr> <tr> <td>SG-12</td> <td>0993</td> <td></td> <td>11⁰⁰</td> <td>X</td> </tr> <tr> <td>SG-2</td> <td>0987</td> <td></td> <td>13⁰³</td> <td>X</td> </tr> </tbody> </table>		Sample Identification	Lab ID	Date	Time	Category	Remarks	SG-9	0986	6/16/05	9 ⁴⁶	X	6 CATEGORY B DELIVERABLES	SG-10	0992		9 ⁵²	X	SG-11	0984		10 ²²	X	SG-12	0993		11 ⁰⁰	X	SG-2	0987		13 ⁰³	X	6 <table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Lab ID</th> <th>Date</th> <th>Time</th> <th>Category</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>SG-9</td> <td>0986</td> <td>6/16/05</td> <td>9⁴⁶</td> <td>X</td> <td rowspan="5"> 6 CATEGORY B DELIVERABLES </td> </tr> <tr> <td>SG-10</td> <td>0992</td> <td></td> <td>9⁵²</td> <td>X</td> </tr> <tr> <td>SG-11</td> <td>0984</td> <td></td> <td>10²²</td> <td>X</td> </tr> <tr> <td>SG-12</td> <td>0993</td> <td></td> <td>11⁰⁰</td> <td>X</td> </tr> <tr> <td>SG-2</td> <td>0987</td> <td></td> <td>13⁰³</td> <td>X</td> </tr> </tbody> </table>		Sample Identification	Lab ID	Date	Time	Category	Remarks	SG-9	0986	6/16/05	9 ⁴⁶	X	6 CATEGORY B DELIVERABLES	SG-10	0992		9 ⁵²	X	SG-11	0984		10 ²²	X	SG-12	0993		11 ⁰⁰	X	SG-2	0987		13 ⁰³	X	7 Turnaround Time Requested (TAT) (please circle): Normal Rush (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): Phone Fax E-mail Phone #: <u>(914) 694-5711</u> Fax #: <u>(914) 694-5744</u> E-mail address: <u>GROZKOWSKI@LBG.NY.COM</u>		8 Data Package Options (please circle if required) <table border="1"> <tr> <th>QC Summary</th> <th>Type VI (Raw Data)</th> <th>SDG Complete?</th> </tr> <tr> <td>Type I (Tier I)</td> <td>GLP</td> <td>Yes No</td> </tr> <tr> <td>Type II (Tier II)</td> <td>Other</td> <td>Yes No</td> </tr> <tr> <td>Type III (NJ Red. Del.)</td> <td></td> <td>Yes No</td> </tr> <tr> <td>Type IV (CLP)</td> <td></td> <td>Yes No</td> </tr> </table>		QC Summary	Type VI (Raw Data)	SDG Complete?	Type I (Tier I)	GLP	Yes No	Type II (Tier II)	Other	Yes No	Type III (NJ Red. Del.)		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Environmental Sample Administration Receipt Documentation Log

Client/Project: LBH. (y)
Date of Receipt: 6/9/05
Time of Receipt: 0900
Source Code: 507

Shipping Container Sealed: (Y) N
Custody Seal Present: Y / (N)
Custody Seal Intact: Y / N / (NA)
Package: Chilled / (Not Chilled)

Unpacker Emp. No.: 165

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 _____ Loose / Bagged _____	Ice Present? Y / N _____ 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 _____ Loose / Bagged _____	Ice Present? Y / N _____ Loose / Bagged _____

Paperwork Discrepancy/Unpacking Problems:

? Flow Controls.
Rec. (1) Summa not used

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>[Signature]</u>	<u>6/9/05</u>	<u>1420</u>	Unpacking
<u>[Signature]</u>	<u>6/9/05</u>	<u>1440</u>	Place in Storage or <u>(Entry)</u>
			Remove from Storage
			Place in Storage or Entry
			Entry

00003

Environmental Sample Administration Receipt Documentation Log

Client/Project: CEG Inc.
Date of Receipt: 6/17/05
Time of Receipt: 0900
Source Code: 50-1

Shipping Container Sealed (Y) / N

Custody Seal Present (Y) / N

Custody Seal Intact: (Y) / N / NA

Package: Chilled / (Not Chilled)

Unpacker Emp. No.: 1696 1696 CAS/7-22-05

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	Loose / Bagged	Ice Present? Y / N	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	Loose / Bagged	Ice Present? Y / N	Loose / Bagged

Paperwork Discrepancy/Unpacking Problems: _____

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
Jayson Ibach	6/17/05	1150	Unpacking
Dr. Neslund	6/17/05	1200	Place in Storage or <u>Entry</u>
			Remove from Storage
			Place in Storage or Entry
			Entry

0005

Chain-of-Custody Record



METHODOLOGY SUMMARY/REFERENCE

7199 T014 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 T014A, 1999

0000



ANALYTICAL RESULTS

Prepared for:

Toxikon
15 Wiggins Avenue
Bedford MA 01730

781-275-3330

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 946702. Samples arrived at the laboratory on Thursday, June 09, 2005.

Client Description

SG-1 Summa Canister #0410 Air Sample
SG-3 Summa Canister #0203 Air Sample
SG-4 Summa Canister #0131 Air Sample
SG-5 Summa Canister #0337 Air Sample
SG-6 Summa Canister #0310 Air Sample
SG-7 Summa Canister #0404 Air Sample
SG-8 Summa Canister #0205 Air Sample

Lancaster Labs Number

4540159
4540160
4540161
4540162
4540163
4540164
4540165

METHODOLOGY

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

1 COPY TO Toxikon
1 COPY TO Data Package Group

Attn: Frank D' Agostino

9889



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



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

Respectfully Submitted,

A handwritten signature in black ink that reads "Michele J. Smith". The signature is written in a cursive, flowing style.

Michele J. Smith
Group Leader

2216



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 4540159

SG-1 Summa Canister #0410 Air Sample
Charlton Cleaners

Collected: 06/08/2005 11:15 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00
Reported: 06/23/2005 at 13:15
Discard: 07/01/2005

Toxikon
15 Wiggins Avenue
Bedford MA 01730

SG1CT SDG#: TCC02-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07199	TO-14A VOA Extended List					
07202	Dichlorodifluoromethane	75-71-8	3.0 J	1.0	ug/m3	1
07204	Freon 114	76-14-2	N.D.	1.0	ug/m3	1
07205	Chloromethane	74-87-3	1.0 J	0.40	ug/m3	1
07206	Vinyl Chloride	75-01-4	72.	0.50	ug/m3	1
07208	Bromomethane	74-83-9	N.D.	0.80	ug/m3	1
07209	Chloroethane	75-00-3	N.D.	0.50	ug/m3	1
07212	Trichlorofluoromethane	75-69-4	2.0 J	1.0	ug/m3	1
07215	1,1-Dichloroethene	75-35-4	72.	0.80	ug/m3	1
07216	Freon 113	76-13-1	N.D.	4.0	ug/m3	1
07221	3-Chloropropene	107-05-1	N.D.	2.0	ug/m3	1
07222	Methylene Chloride	75-09-2	81.	2.0	ug/m3	1
07227	1,1-Dichloroethane	75-34-3	89.	0.80	ug/m3	1
07230	cis-1,2-Dichloroethene	156-59-2	120.	0.80	ug/m3	1
07234	Chloroform	67-66-3	2.0 J	1.0	ug/m3	1
07235	1,1,1-Trichloroethane	71-55-6	120.	1.0	ug/m3	1
07236	Carbon Tetrachloride	56-23-5	N.D.	1.0	ug/m3	1
07237	1,2-Dichloroethane	107-06-2	83.	0.80	ug/m3	1
07238	Benzene	71-43-2	70.	0.60	ug/m3	1
07241	Trichloroethene	79-01-6	120.	1.0	ug/m3	1
07243	1,2-Dichloropropane	78-87-5	N.D.	0.90	ug/m3	1
07248	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.90	ug/m3	1
07250	Toluene	108-88-3	360.	0.80	ug/m3	1
07252	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.90	ug/m3	1
07254	1,1,2-Trichloroethane	79-00-5	N.D.	1.0	ug/m3	1
07255	Tetrachloroethene	127-18-4	420.	1.0	ug/m3	1
07258	1,2-Dibromoethane	106-93-4	230.	2.0	ug/m3	1
07259	Chlorobenzene	108-90-7	100.	0.90	ug/m3	1
07261	Ethylbenzene	100-41-4	78.	0.90	ug/m3	1
07262	m/p-Xylene	1330-20-7	260.	0.90	ug/m3	1
07263	o-Xylene	95-47-6	44.	0.90	ug/m3	1
07264	Styrene	100-42-5	5.0	0.90	ug/m3	1
07267	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	ug/m3	1
07270	4-Ethyltoluene	622-96-8	12.	1.0	ug/m3	1
07271	1,3,5-Trimethylbenzene	108-67-8	6.0	1.0	ug/m3	1
07273	1,2,4-Trimethylbenzene	95-63-6	21.	1.0	ug/m3	1



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Lancaster Laboratories Sample No. AQ 4540159

SG-1 Summa Canister #0410 Air Sample
Charlton Cleaners

Collected: 06/08/2005 11:15 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00

Toxikon

Reported: 06/23/2005 at 13:15

15 Wiggins Avenue

Discard: 07/01/2005

Bedford MA 01730

SG1CT SDG#: TCC02-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
				Detection Limit		
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.	7.0	ug/m3	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 09:17	Douglas Graham	1

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Lancaster Laboratories Sample No. AQ 4540160

SG-3 Summa Canister #0203 Air Sample
Charlton Cleaners

Collected: 06/08/2005 11:29 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00

Toxikon

Reported: 06/23/2005 at 13:15

15 Wiggins Avenue

Discard: 07/01/2005

Bedford MA 01730

SG3CT SDG#: TCC02-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07199	TO-14A VOA Extended List					
07202	Dichlorodifluoromethane	75-71-8	4.0 J	2.0	ug/m3	2
07204	Freon 114	76-14-2	N.D.	3.0	ug/m3	2
07205	Chloromethane	74-87-3	4.0	0.80	ug/m3	2
07206	Vinyl Chloride	75-01-4	N.D.	1.0	ug/m3	2
07208	Bromomethane	74-83-9	N.D.	2.0	ug/m3	2
07209	Chloroethane	75-00-3	N.D.	1.0	ug/m3	2
07212	Trichlorofluoromethane	75-69-4	3.0 J	2.0	ug/m3	2
07215	1,1-Dichloroethene	75-35-4	81.	2.0	ug/m3	2
07216	Freon 113	76-13-1	N.D.	8.0	ug/m3	2
07221	3-Chloropropene	107-05-1	N.D.	3.0	ug/m3	2
07222	Methylene Chloride	75-09-2	96.	3.0	ug/m3	2
07227	1,1-Dichloroethane	75-34-3	120.	2.0	ug/m3	2
07230	cis-1,2-Dichloroethene	156-59-2	120.	2.0	ug/m3	2
07234	Chloroform	67-66-3	4.0 J	2.0	ug/m3	2
07235	1,1,1-Trichloroethane	71-55-6	170.	2.0	ug/m3	2
07236	Carbon Tetrachloride	56-23-5	N.D.	2.0	ug/m3	2
07237	1,2-Dichloroethane	107-06-2	130.	2.0	ug/m3	2
07238	Benzene	71-43-2	74.	1.0	ug/m3	2
07241	Trichloroethene	79-01-6	160.	2.0	ug/m3	2
07243	1,2-Dichloropropane	78-87-5	N.D.	2.0	ug/m3	2
07248	cis-1,3-Dichloropropene	10061-01-5	N.D.	2.0	ug/m3	2
07250	Toluene	108-88-3	430.	2.0	ug/m3	2
07252	trans-1,3-Dichloropropene	10061-02-6	N.D.	2.0	ug/m3	2
07254	1,1,2-Trichloroethane	79-00-5	N.D.	2.0	ug/m3	2
07255	Tetrachloroethene	127-18-4	230.	3.0	ug/m3	2
07258	1,2-Dibromoethane	106-93-4	400.	3.0	ug/m3	2
07259	Chlorobenzene	108-90-7	180.	2.0	ug/m3	2
07261	Ethylbenzene	100-41-4	56.	2.0	ug/m3	2
07262	m/p-Xylene	1330-20-7	190.	2.0	ug/m3	2
07263	o-Xylene	95-47-6	38.	2.0	ug/m3	2
07264	Styrene	100-42-5	38.	2.0	ug/m3	2
07267	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	3.0	ug/m3	2
07270	4-Ethyltoluene	622-96-8	16.	2.0	ug/m3	2
07271	1,3,5-Trimethylbenzene	108-67-8	15.	2.0	ug/m3	2
07273	1,2,4-Trimethylbenzene	95-63-6	36.	2.0	ug/m3	2



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Lancaster Laboratories Sample No. AQ 4540160

SG-3 Summa Canister #0203 Air Sample
Charlton Cleaners

Collected: 06/08/2005 11:29 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00

Toxikon

Reported: 06/23/2005 at 13:15

15 Wiggins Avenue

Discard: 07/01/2005

Bedford MA 01730

SG3CT SDG#: TCC02-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
07274	1,3-Dichlorobenzene	541-73-1	13.		6.0	ug/m3	2
07275	1,4-Dichlorobenzene	106-46-7	32.		6.0	ug/m3	2
07277	1,2-Dichlorobenzene	95-50-1	15.		6.0	ug/m3	2
07279	1,2,4-Trichlorobenzene	120-82-1	59.		15.	ug/m3	2

The limits of quantitation were raised in this sample due to the high level of carbon dioxide present in the sample analysis.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 21:50		Douglas Graham	2

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Lancaster Laboratories Sample No. AQ 4540161

SG-4 Summa Canister #0131 Air Sample
Charlton Cleaners

Collected: 06/08/2005 10:53 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00

Toxikon

Reported: 06/23/2005 at 13:15

15 Wiggins Avenue

Discard: 07/01/2005

Bedford MA 01730

SG4CT SDG#: TCC02-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07199	TO-14A VOA Extended List					
07202	Dichlorodifluoromethane	75-71-8	3.0 J	1.0	ug/m3	1
07204	Freon 114	76-14-2	N.D.	1.0	ug/m3	1
07205	Chloromethane	74-87-3	3.0	0.40	ug/m3	1
07206	Vinyl Chloride	75-01-4	29.	0.50	ug/m3	1
07208	Bromomethane	74-83-9	N.D.	0.80	ug/m3	1
07209	Chloroethane	75-00-3	N.D.	0.50	ug/m3	1
07212	Trichlorofluoromethane	75-69-4	5.0 J	1.0	ug/m3	1
07215	1,1-Dichloroethene	75-35-4	23.	0.80	ug/m3	1
07216	Freon 113	76-13-1	N.D.	4.0	ug/m3	1
07221	3-Chloropropene	107-05-1	N.D.	2.0	ug/m3	1
07222	Methylene Chloride	75-09-2	38.	2.0	ug/m3	1
07227	1,1-Dichloroethane	75-34-3	55.	0.80	ug/m3	1
07230	cis-1,2-Dichloroethene	156-59-2	56.	0.80	ug/m3	1
07234	Chloroform	67-66-3	3.0 J	1.0	ug/m3	1
07235	1,1,1-Trichloroethane	71-55-6	74.	1.0	ug/m3	1
07236	Carbon Tetrachloride	56-23-5	N.D.	1.0	ug/m3	1
07237	1,2-Dichloroethane	107-06-2	66.	0.80	ug/m3	1
07238	Benzene	71-43-2	90.	0.60	ug/m3	1
07241	Trichloroethene	79-01-6	81.	1.0	ug/m3	1
07243	1,2-Dichloropropane	78-87-5	N.D.	0.90	ug/m3	1
07248	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.90	ug/m3	1
07250	Toluene	108-88-3	490.	8.0	ug/m3	10
07252	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.90	ug/m3	1
07254	1,1,2-Trichloroethane	79-00-5	N.D.	1.0	ug/m3	1
07255	Tetrachloroethene	127-18-4	140.	1.0	ug/m3	1
07258	1,2-Dibromoethane	106-93-4	180.	2.0	ug/m3	1
07259	Chlorobenzene	108-90-7	87.	0.90	ug/m3	1
07261	Ethylbenzene	100-41-4	68.	0.90	ug/m3	1
07262	m/p-Xylene	1330-20-7	220.	0.90	ug/m3	1
07263	o-Xylene	95-47-6	48.	0.90	ug/m3	1
07264	Styrene	100-42-5	6.0	0.90	ug/m3	1
07267	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	ug/m3	1
07270	4-Ethyltoluene	622-96-8	16.	1.0	ug/m3	1
07271	1,3,5-Trimethylbenzene	108-67-8	16.	1.0	ug/m3	1
07273	1,2,4-Trimethylbenzene	95-63-6	76.	1.0	ug/m3	1



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Lancaster Laboratories Sample No. AQ 4540161

SG-4 Summa Canister #0131 Air Sample
Charlton Cleaners

Collected: 06/08/2005 10:53 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00

Toxikon

Reported: 06/23/2005 at 13:15

15 Wiggins Avenue

Discard: 07/01/2005

Bedford MA 01730

SG4CT SDG#: TCC02-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
				Detection Limit		
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.	7.0	ug/m3	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 11:30	Douglas Graham	10
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 12:17	Douglas Graham	1

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Lancaster Laboratories Sample No. AQ 4540162

SG-5 Summa Canister #0337 Air Sample
Charlton Cleaners

Collected: 06/08/2005 12:07 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00
Reported: 06/23/2005 at 13:15
Discard: 07/01/2005

Toxikon
15 Wiggins Avenue
Bedford MA 01730

SG5CT SDG#: TCC02-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07199	TO-14A VOA Extended List					
07202	Dichlorodifluoromethane	75-71-8	3.0 J	1.0	ug/m3	1
07204	Freon 114	76-14-2	N.D.	1.0	ug/m3	1
07205	Chloromethane	74-87-3	1.0 J	0.40	ug/m3	1
07206	Vinyl Chloride	75-01-4	2,000.	5.0	ug/m3	10
07208	Bromomethane	74-83-9	N.D.	0.80	ug/m3	1
07209	Chloroethane	75-00-3	N.D.	0.50	ug/m3	1
07212	Trichlorofluoromethane	75-69-4	2.0 J	1.0	ug/m3	1
07215	1,1-Dichloroethene	75-35-4	67.	0.80	ug/m3	1
07216	Freon 113	76-13-1	N.D.	4.0	ug/m3	1
07221	3-Chloropropene	107-05-1	N.D.	2.0	ug/m3	1
07222	Methylene Chloride	75-09-2	35.	2.0	ug/m3	1
07227	1,1-Dichloroethane	75-34-3	60.	0.80	ug/m3	1
07230	cis-1,2-Dichloroethene	156-59-2	7,600.	31.	ug/m3	40
07234	Chloroform	67-66-3	1.0 J	1.0	ug/m3	1
07235	1,1,1-Trichloroethane	71-55-6	79.	1.0	ug/m3	1
07236	Carbon Tetrachloride	56-23-5	N.D.	1.0	ug/m3	1
07237	1,2-Dichloroethane	107-06-2	69.	0.80	ug/m3	1
07238	Benzene	71-43-2	87.	0.60	ug/m3	1
07241	Trichloroethene	79-01-6	780.	11.	ug/m3	10
07243	1,2-Dichloropropane	78-87-5	N.D.	0.90	ug/m3	1
07248	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.90	ug/m3	1
07250	Toluene	108-88-3	270.	0.80	ug/m3	1
07252	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.90	ug/m3	1
07254	1,1,2-Trichloroethane	79-00-5	N.D.	1.0	ug/m3	1
07255	Tetrachloroethene	127-18-4	890.	13.	ug/m3	10
07258	1,2-Dibromoethane	106-93-4	210.	2.0	ug/m3	1
07259	Chlorobenzene	108-90-7	100.	0.90	ug/m3	1
07261	Ethylbenzene	100-41-4	42.	0.90	ug/m3	1
07262	m/p-Xylene	1330-20-7	150.	0.90	ug/m3	1
07263	o-Xylene	95-47-6	44.	0.90	ug/m3	1
07264	Styrene	100-42-5	5.0	0.90	ug/m3	1
07267	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	ug/m3	1
07270	4-Ethyltoluene	622-96-8	N.D.	1.0	ug/m3	1
07271	1,3,5-Trimethylbenzene	108-67-8	5.0	1.0	ug/m3	1
07273	1,2,4-Trimethylbenzene	95-63-6	14.	1.0	ug/m3	1



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Lancaster Laboratories Sample No. AQ 4540162

SG-5 Summa Canister #0337 Air Sample
Charlton Cleaners

Collected: 06/08/2005 12:07 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00

Toxikon

Reported: 06/23/2005 at 13:15

15 Wiggins Avenue

Discard: 07/01/2005

Bedford MA 01730

SG5CT SDG#: TCC02-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
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.		7.0	ug/m3	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 13:00	Douglas Graham	10
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 13:48	Douglas Graham	1
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 22:31	Douglas Graham	40

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Lancaster Laboratories Sample No. AQ 4540163

SG-6 Summa Canister #0310 Air Sample
Charlton Cleaners

Collected: 06/08/2005 08:47 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00

Toxikon

Reported: 06/23/2005 at 13:15

15 Wiggins Avenue

Discard: 07/01/2005

Bedford MA 01730

SG6CT SDG#: TCC02-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07199	TO-14A VOA Extended List					
07202	Dichlorodifluoromethane	75-71-8	3.0 J	1.0	ug/m3	1
07204	Freon 114	76-14-2	N.D.	1.0	ug/m3	1
07205	Chloromethane	74-87-3	2.0	0.40	ug/m3	1
07206	Vinyl Chloride	75-01-4	N.D.	0.50	ug/m3	1
07208	Bromomethane	74-83-9	N.D.	0.80	ug/m3	1
07209	Chloroethane	75-00-3	N.D.	0.50	ug/m3	1
07212	Trichlorofluoromethane	75-69-4	2.0 J	1.0	ug/m3	1
07215	1,1-Dichloroethene	75-35-4	9.0	0.80	ug/m3	1
07216	Freon 113	76-13-1	N.D.	4.0	ug/m3	1
07221	3-Chloropropene	107-05-1	N.D.	2.0	ug/m3	1
07222	Methylene Chloride	75-09-2	22.	2.0	ug/m3	1
07227	1,1-Dichloroethane	75-34-3	35.	0.80	ug/m3	1
07230	cis-1,2-Dichloroethene	156-59-2	31.	0.80	ug/m3	1
07234	Chloroform	67-66-3	3.0 J	1.0	ug/m3	1
07235	1,1,1-Trichloroethane	71-55-6	47.	1.0	ug/m3	1
07236	Carbon Tetrachloride	56-23-5	N.D.	1.0	ug/m3	1
07237	1,2-Dichloroethane	107-06-2	46.	0.80	ug/m3	1
07238	Benzene	71-43-2	94.	0.60	ug/m3	1
07241	Trichloroethene	79-01-6	44.	1.0	ug/m3	1
07243	1,2-Dichloropropane	78-87-5	N.D.	0.90	ug/m3	1
07248	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.90	ug/m3	1
07250	Toluene	108-88-3	370.	8.0	ug/m3	10
07252	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.90	ug/m3	1
07254	1,1,2-Trichloroethane	79-00-5	N.D.	1.0	ug/m3	1
07255	Tetrachloroethene	127-18-4	79.	1.0	ug/m3	1
07258	1,2-Dibromoethane	106-93-4	120.	2.0	ug/m3	1
07259	Chlorobenzene	108-90-7	56.	0.90	ug/m3	1
07261	Ethylbenzene	100-41-4	50.	0.90	ug/m3	1
07262	m/p-Xylene	1330-20-7	170.	0.90	ug/m3	1
07263	o-Xylene	95-47-6	49.	0.90	ug/m3	1
07264	Styrene	100-42-5	5.0	0.90	ug/m3	1
07267	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	ug/m3	1
07270	4-Ethyltoluene	622-96-8	12.	1.0	ug/m3	1
07271	1,3,5-Trimethylbenzene	108-67-8	5.0	1.0	ug/m3	1
07273	1,2,4-Trimethylbenzene	95-63-6	18.	1.0	ug/m3	1



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Lancaster Laboratories Sample No. AQ 4540163

SG-6 Summa Canister #0310 Air Sample
Charlton Cleaners

Collected: 06/08/2005 08:47 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00

Toxikon

Reported: 06/23/2005 at 13:15

15 Wiggins Avenue

Discard: 07/01/2005

Bedford MA 01730

SG6CT SDG#: TCC02-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
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.		7.0	ug/m3	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 14:30	Douglas Graham	10
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 15:18	Douglas Graham	1

0020



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



Lancaster Laboratories Sample No. AQ 4540164

SG-7 Summa Canister #0404 Air Sample
Charlton Cleaners

Collected: 06/08/2005 09:55 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00

Toxikon

Reported: 06/23/2005 at 13:15

15 Wiggins Avenue

Discard: 07/01/2005

Bedford MA 01730

SG7CT SDG#: TCC02-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07199	TO-14A VOA Extended List					
07202	Dichlorodifluoromethane	75-71-8	3.0 J	1.0	ug/m3	1
07204	Freon 114	76-14-2	N.D.	1.0	ug/m3	1
07205	Chloromethane	74-87-3	1.0 J	0.40	ug/m3	1
07206	Vinyl Chloride	75-01-4	0.70 J	0.50	ug/m3	1
07208	Bromomethane	74-83-9	N.D.	0.80	ug/m3	1
07209	Chloroethane	75-00-3	N.D.	0.50	ug/m3	1
07212	Trichlorofluoromethane	75-69-4	2.0 J	1.0	ug/m3	1
07215	1,1-Dichloroethene	75-35-4	12.	0.80	ug/m3	1
07216	Freon 113	76-13-1	N.D.	4.0	ug/m3	1
07221	3-Chloropropene	107-05-1	N.D.	2.0	ug/m3	1
07222	Methylene Chloride	75-09-2	15.	2.0	ug/m3	1
07227	1,1-Dichloroethane	75-34-3	15.	0.80	ug/m3	1
07230	cis-1,2-Dichloroethene	156-59-2	22.	0.80	ug/m3	1
07234	Chloroform	67-66-3	3.0 J	1.0	ug/m3	1
07235	1,1,1-Trichloroethane	71-55-6	21.	1.0	ug/m3	1
07236	Carbon Tetrachloride	56-23-5	N.D.	1.0	ug/m3	1
07237	1,2-Dichloroethane	107-06-2	16.	0.80	ug/m3	1
07238	Benzene	71-43-2	27.	0.60	ug/m3	1
07241	Trichloroethene	79-01-6	47.	1.0	ug/m3	1
07243	1,2-Dichloropropane	78-87-5	N.D.	0.90	ug/m3	1
07248	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.90	ug/m3	1
07250	Toluene	108-88-3	220.	0.80	ug/m3	1
07252	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.90	ug/m3	1
07254	1,1,2-Trichloroethane	79-00-5	N.D.	1.0	ug/m3	1
07255	Tetrachloroethene	127-18-4	2,100.	13.	ug/m3	10
07258	1,2-Dibromoethane	106-93-4	66.	2.0	ug/m3	1
07259	Chlorobenzene	108-90-7	29.	0.90	ug/m3	1
07261	Ethylbenzene	100-41-4	42.	0.90	ug/m3	1
07262	m/p-Xylene	1330-20-7	160.	0.90	ug/m3	1
07263	o-Xylene	95-47-6	29.	0.90	ug/m3	1
07264	Styrene	100-42-5	4.0	0.90	ug/m3	1
07267	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	ug/m3	1
07270	4-Ethyltoluene	622-96-8	16.	1.0	ug/m3	1
07271	1,3,5-Trimethylbenzene	108-67-8	9.0	1.0	ug/m3	1
07273	1,2,4-Trimethylbenzene	95-63-6	27.	1.0	ug/m3	1



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Lancaster Laboratories Sample No. AQ 4540164

SG-7 Summa Canister #0404 Air Sample
Charlton Cleaners

Collected: 06/08/2005 09:55 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00

Toxikon

Reported: 06/23/2005 at 13:15

15 Wiggins Avenue

Discard: 07/01/2005

Bedford MA 01730

SG7CT SDG#: TCC02-06

CAT No.	Analysis Name	CAS Number	As Received		As Received		Dilution Factor
			Result		Method	Detection Limit	
07274	1,3-Dichlorobenzene	541-73-1	4.0	J	3.0	ug/m3	1
07275	1,4-Dichlorobenzene	106-46-7	5.0	J	3.0	ug/m3	1
07277	1,2-Dichlorobenzene	95-50-1	5.0	J	3.0	ug/m3	1
07279	1,2,4-Trichlorobenzene	120-82-1	70.		7.0	ug/m3	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 16:01	Douglas Graham	10
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 16:43	Douglas Graham	1

0022



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Lancaster, PA 17605-2425
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Lancaster Laboratories Sample No. AQ 4540165

SG-8 Summa Canister #0205 Air Sample
Charlton Cleaners

Collected: 06/08/2005 10:29 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00

Reported: 06/23/2005 at 13:16

Discard: 07/01/2005

Toxikon

15 Wiggins Avenue

Bedford MA 01730

SG8CT SDG#: TCC02-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07199	TO-14A VOA Extended List					
07202	Dichlorodifluoromethane	75-71-8	6.0	1.0	ug/m3	1
07204	Freon 114	76-14-2	5.0 J	1.0	ug/m3	1
07205	Chloromethane	74-87-3	2.0	0.40	ug/m3	1
07206	Vinyl Chloride	75-01-4	2.0 J	0.50	ug/m3	1
07208	Bromomethane	74-83-9	3.0 J	0.80	ug/m3	1
07209	Chloroethane	75-00-3	6.0	0.50	ug/m3	1
07212	Trichlorofluoromethane	75-69-4	7.0	1.0	ug/m3	1
07215	1,1-Dichloroethene	75-35-4	17.	0.80	ug/m3	1
07216	Freon 113	76-13-1	7.0 J	4.0	ug/m3	1
07221	3-Chloropropene	107-05-1	N.D.	2.0	ug/m3	1
07222	Methylene Chloride	75-09-2	18.	2.0	ug/m3	1
07227	1,1-Dichloroethane	75-34-3	25.	0.80	ug/m3	1
07230	cis-1,2-Dichloroethene	156-59-2	24.	0.80	ug/m3	1
07234	Chloroform	67-66-3	39.	1.0	ug/m3	1
07235	1,1,1-Trichloroethane	71-55-6	37.	1.0	ug/m3	1
07236	Carbon Tetrachloride	56-23-5	5.0 J	1.0	ug/m3	1
07237	1,2-Dichloroethane	107-06-2	36.	0.80	ug/m3	1
07238	Benzene	71-43-2	44.	0.60	ug/m3	1
07241	Trichloroethene	79-01-6	38.	1.0	ug/m3	1
07243	1,2-Dichloropropane	78-87-5	N.D.	0.90	ug/m3	1
07248	cis-1,3-Dichloropropene	10061-01-5	4.0 J	0.90	ug/m3	1
07250	Toluene	108-88-3	800.	8.0	ug/m3	10
07252	trans-1,3-Dichloropropene	10061-02-6	5.0	0.90	ug/m3	1
07254	1,1,2-Trichloroethane	79-00-5	N.D.	1.0	ug/m3	1
07255	Tetrachloroethene	127-18-4	68.	1.0	ug/m3	1
07258	1,2-Dibromoethane	106-93-4	92.	2.0	ug/m3	1
07259	Chlorobenzene	108-90-7	48.	0.90	ug/m3	1
07261	Ethylbenzene	100-41-4	74.	0.90	ug/m3	1
07262	m/p-Xylene	1330-20-7	220.	0.90	ug/m3	1
07263	o-Xylene	95-47-6	40.	0.90	ug/m3	1
07264	Styrene	100-42-5	19.	0.90	ug/m3	1
07267	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	ug/m3	1
07270	4-Ethyltoluene	622-96-8	13.	1.0	ug/m3	1
07271	1,3,5-Trimethylbenzene	108-67-8	14.	1.0	ug/m3	0023
07273	1,2,4-Trimethylbenzene	95-63-6	27.	1.0	ug/m3	1



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Lancaster Laboratories Sample No. AQ 4540165

SG-8 Summa Canister #0205 Air Sample
Charlton Cleaners

Collected: 06/08/2005 10:29 by SG

Account Number: 11365

Submitted: 06/09/2005 09:00

Toxikon

Reported: 06/23/2005 at 13:16

15 Wiggins Avenue

Discard: 07/01/2005

Bedford MA 01730

SG8CT SDG#: TCC02-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
07274	1,3-Dichlorobenzene	541-73-1	12.		3.0	ug/m3	1
07275	1,4-Dichlorobenzene	106-46-7	27.		3.0	ug/m3	1
07277	1,2-Dichlorobenzene	95-50-1	13.		3.0	ug/m3	1
07279	1,2,4-Trichlorobenzene	120-82-1	140.		7.0	ug/m3	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 17:25		Douglas Graham	10
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/14/2005 23:17		Douglas Graham	1

0024



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Lancaster, PA 17605-2425
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ANALYTICAL RESULTS

Prepared for:

Toxikon
15 Wiggins Avenue
Bedford MA 01730

781-275-3330

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 947806. Samples arrived at the laboratory on Friday, June 17, 2005.

Client Description

SG-9 Summa Can# 0986 Grab Air Sample
SG-10 Summa Can# 0992 Grab Air Sample
SG-11 Summa Can# 0984 Grab Air Sample
SG-12 Summa Can# 0993 Grab Air Sample
SG-2 Summa Can# 0987 Grab Air Sample

Lancaster Labs Number

4545499
4545500
4545501
4545502
4545503

METHODOLOGY

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

1 COPY TO Toxikon
1 COPY TO Data Package Group

Attn: Frank D' Agostino

0025



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

Respectfully Submitted,

A handwritten signature in black ink that reads "Rachel R. Cochis". The script is fluid and cursive.

Rachel R. Cochis
Group Leader

0026



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Lancaster Laboratories Sample No. AQ 4545499

SG-9 Summa Can# 0986 Grab Air Sample
Charlton Cleaners

Collected: 06/16/2005 09:36 by SG
through 06/16/2005 09:46
Submitted: 06/17/2005 09:00
Reported: 07/06/2005 at 08:36
Discard: 07/14/2005

Account Number: 11365

Toxikon
15 Wiggins Avenue
Bedford MA 01730

-SG-9 SDG#: TCC02-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
07199	TO-14A VOA Extended List					
07202	Dichlorodifluoromethane	75-71-8	< 49.	49.	ug/m3	10
07204	Freon 114	76-14-2	< 69.	69.	ug/m3	10
07205	Chloromethane	74-87-3	< 20.	20.	ug/m3	10
07206	Vinyl Chloride	75-01-4	32.	25.	ug/m3	10
07208	Bromomethane	74-83-9	< 38.	38.	ug/m3	10
07209	Chloroethane	75-00-3	< 26.	26.	ug/m3	10
07212	Trichlorofluoromethane	75-69-4	< 56.	56.	ug/m3	10
07215	1,1-Dichloroethene	75-35-4	< 39.	39.	ug/m3	10
07216	Freon 113	76-13-1	< 76.	76.	ug/m3	10
07221	3-Chloropropene	107-05-1	< 31.	31.	ug/m3	10
07222	Methylene Chloride	75-09-2	68.	34.	ug/m3	10
07227	1,1-Dichloroethane	75-34-3	< 40.	40.	ug/m3	10
07230	cis-1,2-Dichloroethene	156-59-2	600.	39.	ug/m3	10
07234	Chloroform	67-66-3	< 48.	48.	ug/m3	10
07235	1,1,1-Trichloroethane	71-55-6	< 54.	54.	ug/m3	10
07236	Carbon Tetrachloride	56-23-5	< 62.	62.	ug/m3	10
07237	1,2-Dichloroethane	107-06-2	< 40.	40.	ug/m3	10
07238	Benzene	71-43-2	< 32.	32.	ug/m3	10
07241	Trichloroethene	79-01-6	350.	53.	ug/m3	10
07243	1,2-Dichloropropane	78-87-5	< 46.	46.	ug/m3	10
07248	cis-1,3-Dichloropropene	10061-01-5	< 45.	45.	ug/m3	10
07250	Toluene	108-88-3	120.	38.	ug/m3	10
07252	trans-1,3-Dichloropropene	10061-02-6	< 45.	45.	ug/m3	10
07254	1,1,2-Trichloroethane	79-00-5	< 54.	54.	ug/m3	10
07255	Tetrachloroethene	127-18-4	12,000.	670.	ug/m3	100
07258	1,2-Dibromoethane	106-93-4	< 76.	76.	ug/m3	10
07259	Chlorobenzene	108-90-7	< 46.	46.	ug/m3	10
07261	Ethylbenzene	100-41-4	< 43.	43.	ug/m3	10
07262	m/p-Xylene	1330-20-7	72.	43.	ug/m3	10
07263	o-Xylene	95-47-6	< 43.	43.	ug/m3	10
07264	Styrene	100-42-5	< 43.	43.	ug/m3	10
07267	1,1,2,2-Tetrachloroethane	79-34-5	< 68.	68.	ug/m3	10
07270	4-Ethyltoluene	622-96-8	< 49.	49.	ug/m3	10
07271	1,3,5-Trimethylbenzene	108-67-8	< 49.	49.	ug/m3	10
07273	1,2,4-Trimethylbenzene	95-63-6	< 49.	49.	ug/m3	10



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Lancaster Laboratories Sample No. AQ 4545499

SG-9 Summa Can# 0986 Grab Air Sample
Charlton Cleaners

Collected: 06/16/2005 09:36 by SG
through 06/16/2005 09:46
Submitted: 06/17/2005 09:00
Reported: 07/06/2005 at 08:36
Discard: 07/14/2005

Account Number: 11365

Toxikon
15 Wiggins Avenue
Bedford MA 01730

-SG-9 SDG#: TCC02-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Limit of Quantitation		
07274	1,3-Dichlorobenzene	541-73-1	< 60.	60.	ug/m3	10
07275	1,4-Dichlorobenzene	106-46-7	< 60.	60.	ug/m3	10
07277	1,2-Dichlorobenzene	95-50-1	< 60.	60.	ug/m3	10
07279	1,2,4-Trichlorobenzene	120-82-1	< 74.	74.	ug/m3	10

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#	Analysis	Analyst	Dilution Factor
				Date and Time		
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/22/2005 16:03	Jeffrey B Smith	100
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/22/2005 16:45	Jeffrey B Smith	10

0028



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2425 New Holland Pike
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Lancaster Laboratories Sample No. AQ 4545500

SG-10 Summa Can# 0992 Grab Air Sample
Charlton Cleaners

Collected: 06/16/2005 09:57 by SG
through 06/16/2005 10:07
Submitted: 06/17/2005 09:00
Reported: 07/06/2005 at 08:36
Discard: 07/14/2005

Account Number: 11365

Toxikon
15 Wiggins Avenue
Bedford MA 01730

-SG10 SDG#: TCC02-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
07199	TO-14A VOA Extended List					
07202	Dichlorodifluoromethane	75-71-8	< 5.0	5.0	ug/m3	1
07204	Freon 114	76-14-2	< 7.0	7.0	ug/m3	1
07205	Chloromethane	74-87-3	< 2.0	2.0	ug/m3	1
07206	Vinyl Chloride	75-01-4	720.	25.	ug/m3	10
07208	Bromomethane	74-83-9	< 4.0	4.0	ug/m3	1
07209	Chloroethane	75-00-3	< 3.0	3.0	ug/m3	1
07212	Trichlorofluoromethane	75-69-4	< 6.0	6.0	ug/m3	1
07215	1,1-Dichloroethene	75-35-4	12.	4.0	ug/m3	1
07216	Freon 113	76-13-1	< 8.0	8.0	ug/m3	1
07221	3-Chloropropene	107-05-1	< 3.0	3.0	ug/m3	1
07222	Methylene Chloride	75-09-2	4.0	3.0	ug/m3	1
07227	1,1-Dichloroethane	75-34-3	< 4.0	4.0	ug/m3	1
07230	cis-1,2-Dichloroethene	156-59-2	2,500.	39.	ug/m3	10
07234	Chloroform	67-66-3	< 5.0	5.0	ug/m3	1
07235	1,1,1-Trichloroethane	71-55-6	< 5.0	5.0	ug/m3	1
07236	Carbon Tetrachloride	56-23-5	< 6.0	6.0	ug/m3	1
07237	1,2-Dichloroethane	107-06-2	5.0	4.0	ug/m3	1
07238	Benzene	71-43-2	8.0	3.0	ug/m3	1
07241	Trichloroethene	79-01-6	720.	53.	ug/m3	10
07243	1,2-Dichloropropane	78-87-5	< 5.0	5.0	ug/m3	1
07248	cis-1,3-Dichloropropene	10061-01-5	< 5.0	5.0	ug/m3	1
07250	Toluene	108-88-3	79.	4.0	ug/m3	1
07252	trans-1,3-Dichloropropene	10061-02-6	< 5.0	5.0	ug/m3	1
07254	1,1,2-Trichloroethane	79-00-5	< 5.0	5.0	ug/m3	1
07255	Tetrachloroethene	127-18-4	8,700.	340.	ug/m3	50
07258	1,2-Dibromoethane	106-93-4	< 8.0	8.0	ug/m3	1
07259	Chlorobenzene	108-90-7	< 5.0	5.0	ug/m3	1
07261	Ethylbenzene	100-41-4	14.	4.0	ug/m3	1
07262	m/p-Xylene	1330-20-7	44.	4.0	ug/m3	1
07263	o-Xylene	95-47-6	15.	4.0	ug/m3	1
07264	Styrene	100-42-5	< 4.0	4.0	ug/m3	1
07267	1,1,2,2-Tetrachloroethane	79-34-5	< 7.0	7.0	ug/m3	1
07270	4-Ethyltoluene	622-96-8	9.0	5.0	ug/m3	1
07271	1,3,5-Trimethylbenzene	108-67-8	< 5.0	5.0	ug/m3	1
07273	1,2,4-Trimethylbenzene	95-63-6	13.	5.0	ug/m3	1



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Lancaster Laboratories Sample No. AQ 4545500

SG-10 Summa Can# 0992 Grab Air Sample
Charlton Cleaners

Collected: 06/16/2005 09:57 by SG
through 06/16/2005 10:07
Submitted: 06/17/2005 09:00
Reported: 07/06/2005 at 08:36
Discard: 07/14/2005

Account Number: 11365

Toxikon
15 Wiggins Avenue
Bedford MA 01730

-SG10 SDG#: TCC02-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Limit of Quantitation	Units	
07274	1,3-Dichlorobenzene	541-73-1	< 6.0	6.0	ug/m3	1
07275	1,4-Dichlorobenzene	106-46-7	< 6.0	6.0	ug/m3	1
07277	1,2-Dichlorobenzene	95-50-1	< 6.0	6.0	ug/m3	1
07279	1,2,4-Trichlorobenzene	120-82-1	< 7.0	7.0	ug/m3	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/23/2005 01:30	Jeffrey B Smith	1
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/23/2005 06:52	Jeffrey B Smith	10
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/23/2005 07:46	Jeffrey B Smith	50

0030



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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. AQ 4545501

SG-11 Summa Can# 0984 Grab Air Sample
Charlton Cleaners

Collected: 06/16/2005 10:22 by SG
through 06/16/2005 10:32
Submitted: 06/17/2005 09:00
Reported: 07/06/2005 at 08:36
Discard: 07/14/2005

Account Number: 11365

Toxikon
15 Wiggins Avenue
Bedford MA 01730

-SG11 SDG#: TCC02-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
07199	TO-14A VOA Extended List					
07202	Dichlorodifluoromethane	75-71-8	< 25.	25.	ug/m3	5
07204	Freon 114	76-14-2	< 35.	35.	ug/m3	5
07205	Chloromethane	74-87-3	< 10.	10.	ug/m3	5
07206	Vinyl Chloride	75-01-4	< 13.	13.	ug/m3	5
07208	Bromomethane	74-83-9	< 19.	19.	ug/m3	5
07209	Chloroethane	75-00-3	< 13.	13.	ug/m3	5
07212	Trichlorofluoromethane	75-69-4	< 28.	28.	ug/m3	5
07215	1,1-Dichloroethene	75-35-4	< 20.	20.	ug/m3	5
07216	Freon 113	76-13-1	< 38.	38.	ug/m3	5
07221	3-Chloropropene	107-05-1	< 16.	16.	ug/m3	5
07222	Methylene Chloride	75-09-2	760.	17.	ug/m3	5
07227	1,1-Dichloroethane	75-34-3	< 20.	20.	ug/m3	5
07230	cis-1,2-Dichloroethene	156-59-2	920.	20.	ug/m3	5
07234	Chloroform	67-66-3	< 24.	24.	ug/m3	5
07235	1,1,1-Trichloroethane	71-55-6	< 27.	27.	ug/m3	5
07236	Carbon Tetrachloride	56-23-5	< 31.	31.	ug/m3	5
07237	1,2-Dichloroethane	107-06-2	< 20.	20.	ug/m3	5
07238	Benzene	71-43-2	< 16.	16.	ug/m3	5
07241	Trichloroethene	79-01-6	690.	27.	ug/m3	5
07243	1,2-Dichloropropane	78-87-5	< 23.	23.	ug/m3	5
07248	cis-1,3-Dichloropropene	10061-01-5	< 22.	22.	ug/m3	5
07250	Toluene	108-88-3	130.	19.	ug/m3	5
07252	trans-1,3-Dichloropropene	10061-02-6	< 22.	22.	ug/m3	5
07254	1,1,2-Trichloroethane	79-00-5	< 27.	27.	ug/m3	5
07255	Tetrachloroethene	127-18-4	7,600.	340.	ug/m3	50
07258	1,2-Dibromoethane	106-93-4	< 38.	38.	ug/m3	5
07259	Chlorobenzene	108-90-7	< 23.	23.	ug/m3	5
07261	Ethylbenzene	100-41-4	< 22.	22.	ug/m3	5
07262	m/p-Xylene	1330-20-7	63.	22.	ug/m3	5
07263	o-Xylene	95-47-6	< 22.	22.	ug/m3	5
07264	Styrene	100-42-5	< 21.	21.	ug/m3	5
07267	1,1,2,2-Tetrachloroethane	79-34-5	< 34.	34.	ug/m3	5
07270	4-Ethyltoluene	622-96-8	< 25.	25.	ug/m3	5
07271	1,3,5-Trimethylbenzene	108-67-8	< 25.	25.	ug/m3	5
07273	1,2,4-Trimethylbenzene	95-63-6	< 25.	25.	ug/m3	5



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Lancaster Laboratories Sample No. AQ 4545501

SG-11 Summa Can# 0984 Grab Air Sample
Charlton Cleaners

Collected: 06/16/2005 10:22 by SG
through 06/16/2005 10:32
Submitted: 06/17/2005 09:00
Reported: 07/06/2005 at 08:36
Discard: 07/14/2005

Account Number: 11365

Toxikon
15 Wiggins Avenue
Bedford MA 01730

-SG11 SDG#: TCC02-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
07274	1,3-Dichlorobenzene	541-73-1	< 30.	30.	ug/m3	5
07275	1,4-Dichlorobenzene	106-46-7	< 30.	30.	ug/m3	5
07277	1,2-Dichlorobenzene	95-50-1	< 30.	30.	ug/m3	5
07279	1,2,4-Trichlorobenzene	120-82-1	< 37.	37.	ug/m3	5

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#	Analysis Date and Time	Analyst	Dilution Factor
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/23/2005 02:12	Jeffrey B Smith	50
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/23/2005 02:54	Jeffrey B Smith	5

0032



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Lancaster, PA 17605-2425
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Lancaster Laboratories Sample No. AQ 4545502

SG-12 Summa Can# 0993 Grab Air Sample
Charlton Cleaners

Collected: 06/16/2005 11:00 by SG
through 06/16/2005 11:10
Submitted: 06/17/2005 09:00
Reported: 07/06/2005 at 08:36
Discard: 07/14/2005

Account Number: 11365

Toxikon
15 Wiggins Avenue
Bedford MA 01730

-SG12 SDG#: TCC02-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
07199	TO-14A VOA Extended List					
07202	Dichlorodifluoromethane	75-71-8	8.0	5.0	ug/m3	1
07204	Freon 114	76-14-2	< 7.0	7.0	ug/m3	1
07205	Chloromethane	74-87-3	< 2.0	2.0	ug/m3	1
07206	Vinyl Chloride	75-01-4	79.	3.0	ug/m3	1
07208	Bromomethane	74-83-9	< 4.0	4.0	ug/m3	1
07209	Chloroethane	75-00-3	< 3.0	3.0	ug/m3	1
07212	Trichlorofluoromethane	75-69-4	< 6.0	6.0	ug/m3	1
07215	1,1-Dichloroethene	75-35-4	5.0	4.0	ug/m3	1
07216	Freon 113	76-13-1	< 8.0	8.0	ug/m3	1
07221	3-Chloropropene	107-05-1	< 3.0	3.0	ug/m3	1
07222	Methylene Chloride	75-09-2	20.	3.0	ug/m3	1
07227	1,1-Dichloroethane	75-34-3	< 4.0	4.0	ug/m3	1
07230	cis-1,2-Dichloroethene	156-59-2	440.	20.	ug/m3	5
07234	Chloroform	67-66-3	< 5.0	5.0	ug/m3	1
07235	1,1,1-Trichloroethane	71-55-6	< 5.0	5.0	ug/m3	1
07236	Carbon Tetrachloride	56-23-5	< 6.0	6.0	ug/m3	1
07237	1,2-Dichloroethane	107-06-2	7.0	4.0	ug/m3	1
07238	Benzene	71-43-2	14.	3.0	ug/m3	1
07241	Trichloroethene	79-01-6	470.	5.0	ug/m3	1
07243	1,2-Dichloropropane	78-87-5	< 5.0	5.0	ug/m3	1
07248	cis-1,3-Dichloropropene	10061-01-5	< 5.0	5.0	ug/m3	1
07250	Toluene	108-88-3	100.	4.0	ug/m3	1
07252	trans-1,3-Dichloropropene	10061-02-6	< 5.0	5.0	ug/m3	1
07254	1,1,2-Trichloroethane	79-00-5	< 5.0	5.0	ug/m3	1
07255	Tetrachloroethene	127-18-4	1,400.	34.	ug/m3	5
07258	1,2-Dibromoethane	106-93-4	< 8.0	8.0	ug/m3	1
07259	Chlorobenzene	108-90-7	< 5.0	5.0	ug/m3	1
07261	Ethylbenzene	100-41-4	20.	4.0	ug/m3	1
07262	m/p-Xylene	1330-20-7	72.	4.0	ug/m3	1
07263	o-Xylene	95-47-6	21.	4.0	ug/m3	1
07264	Styrene	100-42-5	< 4.0	4.0	ug/m3	1
07267	1,1,2,2-Tetrachloroethane	79-34-5	< 7.0	7.0	ug/m3	1
07270	4-Ethyltoluene	622-96-8	12.	5.0	ug/m3	1
07271	1,3,5-Trimethylbenzene	108-67-8	6.0	5.0	ug/m3	1
07273	1,2,4-Trimethylbenzene	95-63-6	19.	5.0	ug/m3	1





Lancaster Laboratories Sample No. AQ 4545502

SG-12 Summa Can# 0993 Grab Air Sample
Charlton Cleaners

Collected: 06/16/2005 11:00 by SG
through 06/16/2005 11:10
Submitted: 06/17/2005 09:00
Reported: 07/06/2005 at 08:36
Discard: 07/14/2005

Account Number: 11365

Toxikon
15 Wiggins Avenue
Bedford MA 01730

-SG12 SDG#: TCC02-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Limit of Quantitation	Units	
07274	1,3-Dichlorobenzene	541-73-1	< 6.0	6.0	ug/m3	1
07275	1,4-Dichlorobenzene	106-46-7	< 6.0	6.0	ug/m3	1
07277	1,2-Dichlorobenzene	95-50-1	< 6.0	6.0	ug/m3	1
07279	1,2,4-Trichlorobenzene	120-82-1	< 7.0	7.0	ug/m3	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/22/2005 20:14	Jeffrey B Smith	1
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/23/2005 03:35	Jeffrey B Smith	5

0034



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Lancaster, PA 17605-2425
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Lancaster Laboratories Sample No. AQ 4545503

SG-2 Summa Can# 0987 Grab Air Sample
Charlton Cleaners

Collected: 06/16/2005 13:03 by SG
through 06/16/2005 13:13
Submitted: 06/17/2005 09:00
Reported: 07/06/2005 at 08:36
Discard: 07/14/2005

Account Number: 11365

Toxikon
15 Wiggins Avenue
Bedford MA 01730

-SG-2 SDG#: TCC02-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
07199	TO-14A VOA Extended List					
07202	Dichlorodifluoromethane	75-71-8	< 49.	49.	ug/m3	10
07204	Freon 114	76-14-2	< 69.	69.	ug/m3	10
07205	Chloromethane	74-87-3	< 20.	20.	ug/m3	10
07206	Vinyl Chloride	75-01-4	< 25.	25.	ug/m3	10
07208	Bromomethane	74-83-9	< 38.	38.	ug/m3	10
07209	Chloroethane	75-00-3	< 26.	26.	ug/m3	10
07212	Trichlorofluoromethane	75-69-4	< 56.	56.	ug/m3	10
07215	1,1-Dichloroethene	75-35-4	< 39.	39.	ug/m3	10
07216	Freon 113	76-13-1	< 76.	76.	ug/m3	10
07221	3-Chloropropene	107-05-1	< 31.	31.	ug/m3	10
07222	Methylene Chloride	75-09-2	1,800.	34.	ug/m3	10
07227	1,1-Dichloroethane	75-34-3	< 40.	40.	ug/m3	10
07230	cis-1,2-Dichloroethene	156-59-2	320.	39.	ug/m3	10
07234	Chloroform	67-66-3	< 48.	48.	ug/m3	10
07235	1,1,1-Trichloroethane	71-55-6	< 54.	54.	ug/m3	10
07236	Carbon Tetrachloride	56-23-5	< 62.	62.	ug/m3	10
07237	1,2-Dichloroethane	107-06-2	< 40.	40.	ug/m3	10
07238	Benzene	71-43-2	< 32.	32.	ug/m3	10
07241	Trichloroethene	79-01-6	4,400.	53.	ug/m3	10
07243	1,2-Dichloropropane	78-87-5	< 46.	46.	ug/m3	10
07248	cis-1,3-Dichloropropene	10061-01-5	< 45.	45.	ug/m3	10
07250	Toluene	108-88-3	120.	38.	ug/m3	10
07252	trans-1,3-Dichloropropene	10061-02-6	< 45.	45.	ug/m3	10
07254	1,1,2-Trichloroethane	79-00-5	< 54.	54.	ug/m3	10
07255	Tetrachloroethene	127-18-4	19,000.	670.	ug/m3	100
07258	1,2-Dibromoethane	106-93-4	< 76.	76.	ug/m3	10
07259	Chlorobenzene	108-90-7	< 46.	46.	ug/m3	10
07261	Ethylbenzene	100-41-4	< 43.	43.	ug/m3	10
07262	m/p-Xylene	1330-20-7	91.	43.	ug/m3	10
07263	o-Xylene	95-47-6	< 43.	43.	ug/m3	10
07264	Styrene	100-42-5	< 43.	43.	ug/m3	10
07267	1,1,2,2-Tetrachloroethane	79-34-5	< 68.	68.	ug/m3	10
07270	4-Ethyltoluene	622-96-8	< 49.	49.	ug/m3	10
07271	1,3,5-Trimethylbenzene	108-67-8	< 49.	49.	ug/m3	10
07273	1,2,4-Trimethylbenzene	95-63-6	< 49.	49.	ug/m3	10





Lancaster Laboratories Sample No. AQ 4545503

SG-2 Summa Can# 0987 Grab Air Sample
Charlton Cleaners

Collected: 06/16/2005 13:03 by SG
through 06/16/2005 13:13
Submitted: 06/17/2005 09:00
Reported: 07/06/2005 at 08:36
Discard: 07/14/2005

Account Number: 11365

Toxikon
15 Wiggins Avenue
Bedford MA 01730

-SG-2 SDG#: TCC02-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Limit of Quantitation		
07274	1,3-Dichlorobenzene	541-73-1	< 60.	60.	ug/m3	10
07275	1,4-Dichlorobenzene	106-46-7	< 60.	60.	ug/m3	10
07277	1,2-Dichlorobenzene	95-50-1	< 60.	60.	ug/m3	10
07279	1,2,4-Trichlorobenzene	120-82-1	< 74.	74.	ug/m3	10

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#	Analysis	Analyst	Dilution Factor
				Date and Time		
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/22/2005 20:56	Jeffrey B Smith	100
07199	TO-14A VOA Extended List	EPA Method TO14A	1	06/22/2005 21:38	Jeffrey B Smith	10

0036



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GC/MS Volatile Organics in Air

Case Narrative Conformance/Nonconformance Summary

CASE NARRATIVE

Client: Toxikon
SDG #: TCC02

LANCASTER LABORATORIES
GC/MS VOLATILE ORGANICS IN AIR

SAMPLE NUMBER(S) :

for 11/10/05

LL #'s	Sample Code	IX	Comments
4540159	SG1CT	2X Dilution	
4540160	SG3CT	2X Dilution	
4540161	SG4CT	1X 10X Dilution	
4540161	SG4CT	10X	
4540161	SG5CT		
4540162	SG5CT	10X Dilution	
4540162	SG5CT	40X Dilution	
4540162	SG6CT		
4540163	SG6CT	10X Dilution	
4540163	SG6CT		
4540164	SG7CT	10X Dilution	
4540164	SG7CT		
4540165	SG8CT	10X Dilution	
4540165	SG8CT	10X Dilution	
4545499	-SG-9	100X Dilution	
4545499	-SG-9		
4545500	-SG10	10X Dilution	
4545500	-SG10	50X Dilution	
4545501	-SG11	5X Dilution	
4545501	-SG11	50X Dilution	
4545502	-SG12	5X Dilution	
4545502	-SG12	10X Dilution	
4545503	-SG-2	100X Dilution	
4545503	-SG-2		

0039

Case Narrative (continued)
SDG: TCC02

LABORATORY SUBMITTED QC:

VBLKA20	VBLKA20	Method Blank
VBLKA21	VBLKA21	Method Blank
LCSA20	LCSA20	Lab Control Sample
LCSA21	LCSA21	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 twice 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 twofold dilution is offset by analyzing 500cc of each sample, twice 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-14A.

0040

Case Narrative (continued)
SDG: TCC02

A chain-of-custody for samples 4545499-4545503 was not created. The samples were analyzed on June 22, 2005 and June 23, 2005 by Jeffrey B. Smith employee # 1304.

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 consists of six target compounds at approximately 50ppbv in a SUMMA canister, acquired independently from calibration standards. 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 other QC was within specifications.

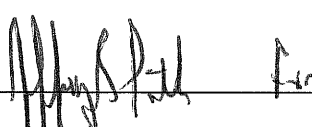
DATA INTERPRETATION:

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.

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: 8/31/05

0041

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: HP4224

Data File Path: C:\HPCHEM\1\DATA\JUN12\

File ID	LL #	Sample ID	Anal Date/Time	SUMMA ID	psia Rc'd Fn'l	Dilution Factor	Sample Vol cc
AF00150.D	BFB	BFB	06/12/05 19:52				25
AF00151.D	VSTD100	VSTD100	06/12/05 20:23				250
AF00152.D	VSTD050	VSTD050	06/12/05 21:05				250
AF00153.D	VSTD010	VSTD010	06/12/05 21:47				250

Page 1 of 1

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

ANALYSIS RUNLOG

Instrument ID: HP4224

Data File Path: C:\HPCHEM\1\DATA\JUN13\

File ID	LL #	Sample ID	Anal Date/Time	SUMMA ID	psia Rc'd Fn'l		Dilution Factor	Sample Vol cc
AF00171.D	BFB	BFB	06/13/05 17:52					25
AF00172.D	VSTD050	VSTD050	06/13/05 18:30					250
AF00174.D	VBLKA20	VBLKA20	06/13/05 20:31					250
AF00175.D	LCSA20	LCSA20	06/13/05 21:14					250
AF00192.D	4540159	SG1CT	06/14/05 06:23	0410	4.6	23.0	10.0	62
AF00193.D	4540159	SG1CT	06/14/05 09:17	0410	4.6	23.0	1.0	625
AF00194.D	4540160	SG3CT	06/14/05 09:59	0203	2.7	21.7	10.0	100
AF00196.D	4540161	SG4CT	06/14/05 11:30	0131	2.8	22.5	10.0	100
AF00197.D	4540161	SG4CT	06/14/05 12:17	0131	2.8	22.5	1.0	1000
AF00198.D	4540162	SG5CT	06/14/05 13:00	0337	2.5	20.1	10.0	100
AF00199.D	4540162	SG5CT	06/14/05 13:48	0337	2.5	20.1	1.0	1000
AF00200.D	4540163	SG6CT	06/14/05 14:30	0310	2.8	22.5	10.0	100
AF00201.D	4540163	SG6CT	06/14/05 15:18	0310	2.8	22.5	1.0	1000
AF00202.D	4540164	SG7CT	06/14/05 16:01	0404	12.3	24.6	10.0	25
AF00203.D	4540164	SG7CT	06/14/05 16:43	0404	12.3	24.6	1.0	250
AF00204.D	4540165	SG8CT	06/14/05 17:25	0205	3.3	19.8	10.0	75

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

ANALYSIS RUNLOG

Instrument ID: HP4224

Data File Path: C:\HPCHEM\1\DATA\JUN14\

File ID	LL #	Sample ID	Anal Date/Time	SUMMA ID	psia Rc'd Fn'l		Dilution Factor	Sample Vol cc
AF00205.D	BFB	BFB	06/14/05 18:09					25
AF00206.D	VSTD050	VSTD050	06/14/05 18:33					250
AF00208.D	VBLKA21	VBLKA21	06/14/05 20:24					250
AF00210.D	4540160	SG3CT	06/14/05 21:50	0203	2.7	21.7	2.0	500
AF00211.D	4540162	SG5CT	06/14/05 22:31	0337	2.5	20.1	40.0	25
AF00212.D	4540165	SG8CT	06/14/05 23:17	0205	3.3	19.8	1.0	750

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

ANALYSIS RUNLOG

Instrument ID: HP4224

Data File Path: C:\HPCHEM\1\DATA\JUN22\

File ID	LL #	Sample ID	Anal Date/Time	SUMMA ID	psia Rc'd Fn'l		Dilution Factor	Sample Vol cc
AF00360.D	BFB	BFB	06/22/05 09:32					25
AF00361.D	VSTD050	VSTD050	06/22/05 10:19					250
AF00363.D	VSTD100	VSTD100	06/22/05 11:43					250
AF00364.D	VSTD010	VSTD010	06/22/05 12:29					250
AF00366.D	VBLKA32	VBLKA32	06/22/05 13:57					125
AF00367.D	LCSA32	LCSA32	06/22/05 14:39					125
AF00370.D	4545499	-SG-9	06/22/05 16:03	0986	14.6	29.2	100.0	25
AF00371.D	4545499	-SG-9	06/22/05 16:45	0986	14.6	29.2	10.0	250
AF00376.D	4545502	-SG12	06/22/05 20:14	0993	14.7	29.4	1.0	250
AF00377.D	4545503	-SG-2	06/22/05 20:56	0987	13.6	27.3	100.0	25
AF00378.D	4545503	-SG-2	06/22/05 21:38	0987	13.6	27.3	10.0	250
AF00383.D	4545500	-SG10	06/23/05 01:30	0992	14.7	29.4	1.0	250
AF00384.D	4545501	-SG11	06/23/05 02:12	0984	14.5	29.0	50.0	25
AF00385.D	4545501	-SG11	06/23/05 02:54	0984	14.5	29.0	5.0	250
AF00386.D	4545502	-SG12	06/23/05 03:35	0993	14.7	29.4	5.0	50
AF00387.D	4545500	-SG10	06/23/05 06:52	0992	14.7	29.4	10.0	25
AF00388.D	4545500	-SG10	06/23/05 07:46	0992	14.7	29.4	50.0	50

QC Summary

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

GC/MS INSTRUMENT PERFORMANCE CHECK AND MASS CALIBRATION

Sample No.: BFB Date Analyzed: 06/12/05 Time Analyzed: 19:52
Lab Sample ID: BFB Lab File ID: C:\HPCHEM\1\DATA\JUN12\AF00150.D
Instrument ID: HP4224 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	23.1	23.1
75	30.0 - 60.0% of m/e 95	49.8	49.8
95	Base peak, 100% relative abundance	100.0	100.0
96	5.0 - 9.0% of m/e 95	6.5	6.5
173	Less than 2.0% of m/e 174	0.0	0.0
174	50.0 - 100.0% of m/e 95	86.1	86.1
175	5.0 - 9.0% of m/e 174	6.7	7.7
176	95.0 - 101.0% of m/e 174	83.1	96.5
177	5.0 - 9.0% of m/e 176	5.5	6.7

THIS TUNE APPLIES TO THE FOLLOWING:

Sample No.	Lab Sample ID	Lab File ID	Analysis	
			Date	Time
VSTD100	VSTD100	C:\HPCHEM\1\DATA\JUN12\AF00151.D	06/12/05	20:23
VSTD050	VSTD050	C:\HPCHEM\1\DATA\JUN12\AF00152.D	06/12/05	21:05
VSTD010	VSTD010	C:\HPCHEM\1\DATA\JUN12\AF00153.D	06/12/05	21:47

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

GC/MS INSTRUMENT PERFORMANCE CHECK AND MASS CALIBRATION

Sample No.: BFB Date Analyzed: 06/13/05 Time Analyzed: 17:52
Lab Sample ID: BFB Lab File ID: C:\HPCHEM\1\DATA\JUN13\AF00171.D
Instrument ID: HP4224 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	21.6	21.6
75	30.0 - 60.0% of m/e 95	48.9	48.9
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	98.4	98.4
175	5.0 - 9.0% of m/e 174	7.8	7.9
176	95.0 - 101.0% of m/e 174	94.9	96.5
177	5.0 - 9.0% of m/e 176	6.1	6.4

THIS TUNE APPLIES TO THE FOLLOWING:

Sample No.	Lab Sample ID	Lab File ID	Analysis	
			Date	Time
VSTD050	VSTD050	C:\HPCHEM\1\DATA\JUN13\AF00172.D	06/13/05	18:30
VBLKA20	VBLKA20	C:\HPCHEM\1\DATA\JUN13\AF00174.D	06/13/05	20:31
LCSA20	LCSA20	C:\HPCHEM\1\DATA\JUN13\AF00175.D	06/13/05	21:14
SG1CT	4540159	C:\HPCHEM\1\DATA\JUN13\AF00192.D	06/14/05	06:23
SG1CT	4540159	C:\HPCHEM\1\DATA\JUN13\AF00193.D	06/14/05	09:17
SG3CT	4540160	C:\HPCHEM\1\DATA\JUN13\AF00194.D	06/14/05	09:59
SG4CT	4540161	C:\HPCHEM\1\DATA\JUN13\AF00196.D	06/14/05	11:30
SG4CT	4540161	C:\HPCHEM\1\DATA\JUN13\AF00197.D	06/14/05	12:17
SG5CT	4540162	C:\HPCHEM\1\DATA\JUN13\AF00198.D	06/14/05	13:00
SG5CT	4540162	C:\HPCHEM\1\DATA\JUN13\AF00199.D	06/14/05	13:48
SG6CT	4540163	C:\HPCHEM\1\DATA\JUN13\AF00200.D	06/14/05	14:30
SG6CT	4540163	C:\HPCHEM\1\DATA\JUN13\AF00201.D	06/14/05	15:18
SG7CT	4540164	C:\HPCHEM\1\DATA\JUN13\AF00202.D	06/14/05	16:01
SG7CT	4540164	C:\HPCHEM\1\DATA\JUN13\AF00203.D	06/14/05	16:43
SG8CT	4540165	C:\HPCHEM\1\DATA\JUN13\AF00204.D	06/14/05	17:25

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

GC/MS INSTRUMENT PERFORMANCE CHECK AND MASS CALIBRATION

Sample No.: BFB Date Analyzed: 06/14/05 Time Analyzed: 18:09
Lab Sample ID: BFB Lab File ID: C:\HPCHEM\1\DATA\JUN14\AF00205.D
Instrument ID: HP4224 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	21.6	21.6
75	30.0 - 60.0% of m/e 95	48.9	48.9
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	98.4	98.4
175	5.0 - 9.0% of m/e 174	7.8	7.9
176	95.0 - 101.0% of m/e 174	94.9	96.5
177	5.0 - 9.0% of m/e 176	6.1	6.4

THIS TUNE APPLIES TO THE FOLLOWING:

Sample No.	Lab Sample ID	Lab File ID	Analysis	
			Date	Time
VSTD050	VSTD050	C:\HPCHEM\1\DATA\JUN14\AF00206.D	06/14/05	18:33
VLKA21	VLKA21	C:\HPCHEM\1\DATA\JUN14\AF00208.D	06/14/05	20:24
SG3CT	4540160	C:\HPCHEM\1\DATA\JUN14\AF00210.D	06/14/05	21:50
SG5CT	4540162	C:\HPCHEM\1\DATA\JUN14\AF00211.D	06/14/05	22:31
SG8CT	4540165	C:\HPCHEM\1\DATA\JUN14\AF00212.D	06/14/05	23:17

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

GC/MS INSTRUMENT PERFORMANCE CHECK AND MASS CALIBRATION

Sample No.: BFB Date Analyzed: 06/22/05 Time Analyzed: 09:32
Lab Sample ID: BFB Lab File ID: C:\HPCHEM\1\DATA\JUN22\AF00360.D
Instrument ID: HP4224 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	19.9	19.9
75	30.0 - 60.0% of m/e 95	46.1	46.1
95	Base peak, 100% relative abundance	100.0	100.0
96	5.0 - 9.0% of m/e 95	6.7	6.7
173	Less than 2.0% of m/e 174	0.0	0.0
174	50.0 - 100.0% of m/e 95	90.2	90.2
175	5.0 - 9.0% of m/e 174	7.1	7.8
176	95.0 - 101.0% of m/e 174	88.9	98.6
177	5.0 - 9.0% of m/e 176	5.6	6.3

THIS TUNE APPLIES TO THE FOLLOWING:

Sample No.	Lab Sample ID	Lab File ID	Analysis	
			Date	Time
VSTD050	VSTD050	C:\HPCHEM\1\DATA\JUN22\AF00361.D	06/22/05	10:19
VSTD100	VSTD100	C:\HPCHEM\1\DATA\JUN22\AF00363.D	06/22/05	11:43
VSTD010	VSTD010	C:\HPCHEM\1\DATA\JUN22\AF00364.D	06/22/05	12:29
VLKA32	VLKA32	C:\HPCHEM\1\DATA\JUN22\AF00366.D	06/22/05	13:57
LCSA32	LCSA32	C:\HPCHEM\1\DATA\JUN22\AF00367.D	06/22/05	14:39
-SG-9	4545499	C:\HPCHEM\1\DATA\JUN22\AF00370.D	06/22/05	16:03
-SG-9	4545499	C:\HPCHEM\1\DATA\JUN22\AF00371.D	06/22/05	16:45
-SG12	4545502	C:\HPCHEM\1\DATA\JUN22\AF00376.D	06/22/05	20:14
-SG-2	4545503	C:\HPCHEM\1\DATA\JUN22\AF00377.D	06/22/05	20:56
-SG-2	4545503	C:\HPCHEM\1\DATA\JUN22\AF00378.D	06/22/05	21:38
-SG10	4545500	C:\HPCHEM\1\DATA\JUN22\AF00383.D	06/23/05	01:30
-SG11	4545501	C:\HPCHEM\1\DATA\JUN22\AF00384.D	06/23/05	02:12
-SG11	4545501	C:\HPCHEM\1\DATA\JUN22\AF00385.D	06/23/05	02:54
-SG12	4545502	C:\HPCHEM\1\DATA\JUN22\AF00386.D	06/23/05	03:35
-SG10	4545500	C:\HPCHEM\1\DATA\JUN22\AF00387.D	06/23/05	06:52
-SG10	4545500	C:\HPCHEM\1\DATA\JUN22\AF00388.D	06/23/05	07:46

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

BLANK SUMMARY

Instrument ID: HP4224 Sample No.: VBLKA20 Lab Sample ID: VBLKA20
Injection Volume: 250cc Date Analyzed: 06/13/05 Time Analyzed: 20:31
Lab File ID: C:\HPCHEM\1\DATA\JUN13\AF00174.D

THIS BLANK APPLIES TO THE FOLLOWING SAMPLES:

#	SAMPLE NO.	LAB SAMP.ID	LAB FILE ID	CANISTER ID	DATE	TIME
01	LCSA20	LCSA20	JUN13\AF00175.D		06/13/05	21:14
02	SG1CT	4540159	JUN13\AF00192.D	0410	06/14/05	06:23
03	SG1CT	4540159	JUN13\AF00193.D	0410	06/14/05	09:17
04	SG3CT	4540160	JUN13\AF00194.D	0203	06/14/05	09:59
05	SG4CT	4540161	JUN13\AF00196.D	0131	06/14/05	11:30
06	SG4CT	4540161	JUN13\AF00197.D	0131	06/14/05	12:17
07	SG5CT	4540162	JUN13\AF00198.D	0337	06/14/05	13:00
08	SG5CT	4540162	JUN13\AF00199.D	0337	06/14/05	13:48
09	SG6CT	4540163	JUN13\AF00200.D	0310	06/14/05	14:30
10	SG6CT	4540163	JUN13\AF00201.D	0310	06/14/05	15:18
11	SG7CT	4540164	JUN13\AF00202.D	0404	06/14/05	16:01
12	SG7CT	4540164	JUN13\AF00203.D	0404	06/14/05	16:43
13	SG8CT	4540165	JUN13\AF00204.D	0205	06/14/05	17:25

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

BLANK SUMMARY

Instrument ID: HP4224 Sample No.: VBLKA21 Lab Sample ID: VBLKA21
Injection Volume: 250cc Date Analyzed: 06/14/05 Time Analyzed: 20:24
Lab File ID: C:\HPCHEM\1\DATA\JUN14\AF00208.D

THIS BLANK APPLIES TO THE FOLLOWING SAMPLES:

#	SAMPLE NO.	LAB SAMP.ID	LAB FILE ID	CANISTER ID	DATE	TIME
01	SG3CT	4540160	JUN14\AF00210.D	0203	06/14/05	21:50
02	SG5CT	4540162	JUN14\AF00211.D	0337	06/14/05	22:31
03	SG8CT	4540165	JUN14\AF00212.D	0205	06/14/05	23:17

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

BLANK SUMMARY

Instrument ID: HP4224 Sample No.: VBLKA32 Lab Sample ID: VBLKA32
Injection Volume: 125cc Date Analyzed: 06/22/05 Time Analyzed: 13:57
Lab File ID: C:\HPCHEM\1\DATA\JUN22\AF00366.D

THIS BLANK APPLIES TO THE FOLLOWING SAMPLES:

#	SAMPLE NO.	LAB SAMP.ID	LAB FILE ID	CANISTER ID	DATE	TIME
01	LCSA32	LCSA32	JUN22\AF00367.D		06/22/05	14:39
02	-SG-9	4545499	JUN22\AF00370.D	0986	06/22/05	16:03
03	-SG-9	4545499	JUN22\AF00371.D	0986	06/22/05	16:45
04	-SG12	4545502	JUN22\AF00376.D	0993	06/22/05	20:14
05	-SG-2	4545503	JUN22\AF00377.D	0987	06/22/05	20:56
06	-SG-2	4545503	JUN22\AF00378.D	0987	06/22/05	21:38
07	-SG10	4545500	JUN22\AF00383.D	0992	06/23/05	01:30
08	-SG11	4545501	JUN22\AF00384.D	0984	06/23/05	02:12
09	-SG11	4545501	JUN22\AF00385.D	0984	06/23/05	02:54
10	-SG12	4545502	JUN22\AF00386.D	0993	06/23/05	03:35
11	-SG10	4545500	JUN22\AF00387.D	0992	06/23/05	06:52
12	-SG10	4545500	JUN22\AF00388.D	0992	06/23/05	07:46

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

LABORATORY CONTROL SAMPLE DATA SHEET

Sample No.: LCSA20 *bm 196* Date Analyzed: 06/13/05 Time Analyzed: 21:14
 Lab Sample ID: LCSA20 *7/19/05* Instrument ID: HP4224
 Lab File ID: C:\HPCHEM\1\DATA\JUN13\AF00175.D

COMPOUND NAME	CONCENTRATION (ppbv)		% RECOVERY	LOWER - UPPER CONTROL LIMITS	Q
	SPIKED	REPORTED			
Vinyl Chloride	51.25	48.67	95	68 - 135	
1,1,1-Trichloroethane	54.50	56.65	104	81 - 157	
Benzene	53.25	56.93	107	70 - 150	
Trichloroethene	54.50	54.25	100	65 - 144	
Ethylbenzene	54.50	55.44	102	65 - 149	
1,4-Dichlorobenzene	53.00	48.66	92	37 - 149	

LCS Recovery: 0 outside limits out of 6 total.

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

LABORATORY CONTROL SAMPLE DATA SHEET

Sample No.: LCSA32 *mw 196* Date Analyzed: 06/22/05 Time Analyzed: 14:39
Lab Sample ID: LCSA32 *7/19/05* Instrument ID: HP4224
Lab File ID: C:\HPCHEM\1\DATA\JUN22\AF00367.D

COMPOUND NAME	CONCENTRATION (ppbv)		% RECOVERY	LOWER - UPPER CONTROL LIMITS	Q
	SPIKED	REPORTED			
Vinyl Chloride	51.25	64.26	125	68 - 135	
1,1,1-Trichloroethane	54.50	57.93	106	81 - 157	
Benzene	53.25	55.16	104	70 - 150	
Trichloroethene	54.50	52.97	97	65 - 144	
Ethylbenzene	54.50	47.15	87	65 - 149	
1,4-Dichlorobenzene	53.00	35.26	67	37 - 149	

LCS Recovery: 0 outside limits out of 6 total.

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Sample No.: VSTD050 Date Analyzed: 06/12/05 Time Analyzed: 21:05
Lab Sample ID: VSTD050 Lab File ID: C:\HPCHEM\1\DATA\JUN12\AF00152.D
Instrument ID: HP4224

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene d5	
	Area #	R.T. #	Area #	R.T. #	Area #	R.T. #
24 HOUR STANDARD	759421	15.53	2362370	17.53	2252612	23.13
UPPER LIMIT	1518842	16.03	4724740	18.03	4505224	23.63
LOWER LIMIT	379710	15.03	1181185	17.03	1126306	22.63
EPA SAMPLE NO.						
VSTD100	776800	15.54	2415686	17.54	2198824	23.14
VSTD010	487215	15.53	1535580	17.52	1319331	23.13

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.: VSTD050 Date Analyzed: 06/13/05 Time Analyzed: 18:30
Lab Sample ID: VSTD050 Lab File ID: C:\HPCHEM\1\DATA\JUN13\AF00172.D
Instrument ID: HP4224

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene d5	
	Area #	R.T. #	Area #	R.T. #	Area #	R.T. #
24 HOUR STANDARD	714052	15.55	2239107	17.55	2162641	23.15
UPPER LIMIT	1428104	16.05	4478214	18.05	4325282	23.65
LOWER LIMIT	357026	15.05	1119554	17.05	1081320	22.65
EPA SAMPLE NO.						
VBLKA20	704970	15.56	2269656	17.56	2068652	23.16
LCSA20	700323	15.57	2201268	17.56	2043157	23.15
SG1CT	704548	15.57	2255102	17.56	2128930	23.16
SG1CT	711666	15.55	2282558	17.56	2090582	23.16
SG3CT	712668	15.56	2212006	17.56	1977968	23.15
SG4CT	766160	15.56	2334814	17.55	2151872	23.15
SG4CT	746867	15.57	2209669	17.56	2113524	23.15
SG5CT	744077	15.56	2362894	17.56	2299011	23.16
SG5CT	775009	15.57	2473436	17.56	2336599	23.16
SG6CT	717029	15.57	2270336	17.56	2060923	23.16
SG6CT	757951	15.57	2396733	17.57	2288942	23.16
SG7CT	755278	15.57	2330199	17.56	2131592	23.16
SG7CT	753174	15.57	2316634	17.56	2160663	23.17
SG8CT	692908	15.58	2263962	17.57	2190743	23.17

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.: VSTD050 Date Analyzed: 06/14/05 Time Analyzed: 18:33
Lab Sample ID: VSTD050 Lab File ID: C:\HPCHEM\1\DATA\JUN14\AF00206.D
Instrument ID: HP4224

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene d5	
	Area #	R.T. #	Area #	R.T. #	Area #	R.T. #
24 HOUR STANDARD	893730	15.58	2847571	17.58	2769245	23.18
UPPER LIMIT	1787460	16.08	5695142	18.08	5538490	23.68
LOWER LIMIT	446865	15.08	1423786	17.08	1384622	22.68
EPA SAMPLE NO.						
VBLKA21	741901	15.58	2357870	17.57	2202254	23.17
SG3CT	686020	15.58	2277749	17.57	2035727	23.17
SG5CT	725705	15.58	2247321	17.57	2106751	23.17
SG8CT	698037	15.58	2332414	17.58	2233538	23.17

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.: VSTD050 Date Analyzed: 06/22/05 Time Analyzed: 10:19
Lab Sample ID: VSTD050 Lab File ID: C:\HPCHEM\1\DATA\JUN22\AF00361.D
Instrument ID: HP4224

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene d5	
	Area	#	R.T.	#	Area	#
24 HOUR STANDARD	432855		15.54		1271629	
UPPER LIMIT	865710		16.04		2543258	
LOWER LIMIT	216428		15.04		635814	
EPA SAMPLE NO.						
VSTD100	488724		15.54		1403821	
VSTD010	553956		15.53		1688539	
VBLKA32	487832		15.53		1477093	
LCSA32	409556		15.53		1316864	
-SG-9	401199		15.54		1236458	
-SG-9	397472		15.53		1197128	
-SG12	370734		15.52		1081079	
-SG-2	415629		15.52		1204923	
-SG-2	406696		15.52		1261139	
-SG10	425976		15.50		1235481	
-SG11	415705		15.50		1236891	
-SG11	374615		15.50		1153265	
-SG12	372181		15.51		1125102	
-SG10	386996		15.49		1207145	
-SG10	370612		15.49		1138630	

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	MDL
Propene			0.310	0.260	0.270	0.250	0.250	0.190	0.230	0.115
Dichlorodifluoromethane			0.360	0.280	0.330	0.320	0.320	0.230	0.270	0.138
Chlorodifluoromethane			0.330	0.300	0.310	0.280	0.310	0.220	0.230	0.133
Freon 114			0.330	0.260	0.300	0.290	0.280	0.220	0.220	0.129
Chloromethane			0.310	0.230	0.300	0.250	0.260	0.170	0.220	0.151
Vinyl Chloride			0.300	0.240	0.250	0.230	0.240	0.180	0.190	0.125
1,3-Butadiene			0.230	0.190	0.230	0.220	0.220	0.170	0.180	0.079
Bromomethane			0.280	0.250	0.260	0.210	0.230	0.180	0.210	0.108
Chloroethane			0.240	0.220	0.240	0.150	0.240	0.160	0.150	0.139
Dichlorofluoromethane			0.320	0.260	0.300	0.300	0.290	0.230	0.230	0.113
Trichlorofluoromethane			0.380	0.290	0.330	0.340	0.340	0.240	0.260	0.157
Pentane			0.240	0.210	0.280	0.240	0.260	0.190	0.210	0.099
Acrolein			0.460	0.480	0.560	0.360	0.500	0.530	0.400	0.222
1,1-Dichloroethene			0.310	0.230	0.270	0.270	0.270	0.200	0.250	0.110
Freon 113			0.280	0.200	0.290	0.260	0.260	0.210	0.230	0.108
Acetone			0.490	0.310	0.320	0.290	0.300	0.200	0.230	0.291
Methyl Iodide			0.270	0.220	0.250	0.250	0.250	0.190	0.200	0.094
Carbon Disulfide			0.300	0.290	0.300	0.280	0.280	0.210	0.250	0.102
Acetonitrile			0.290	0.180	0.200	0.200	0.190	0.130	0.140	0.164
3-Chloropropene			0.160	0.140	0.190	0.120	0.190	0.150	0.120	0.092
Methylene Chloride			0.400	0.350	0.330	0.330	0.320	0.310	0.300	0.104
tert-Butyl Alcohol			0.190	0.070	0.050	0.020	0.080	0.030	0.040	0.181
Acrylonitrile			0.200	0.150	0.210	0.190	0.200	0.150	0.160	0.081
trans-1,2-Dichloroethene			0.320	0.250	0.280	0.250	0.280	0.190	0.190	0.151
Methyl t-Butyl Ether			0.250	0.190	0.220	0.220	0.240	0.140	0.190	0.117
Hexane			0.280	0.200	0.250	0.260	0.260	0.170	0.220	0.123
1,1-Dichloroethane			0.270	0.230	0.270	0.250	0.260	0.180	0.230	0.100
Vinyl Acetate			0.190	0.150	0.190	0.200	0.170	0.140	0.150	0.075
cis-1,2-Dichloroethene			0.270	0.190	0.250	0.240	0.250	0.170	0.190	0.121
2-Butanone			0.650	0.520	0.700	0.360	0.600	0.560	0.440	0.372
Ethyl Acetate			0.540	0.410	0.480	0.320	0.410	0.400	0.380	0.189
Methyl Acrylate			0.190	0.180	0.200	0.190	0.210	0.140	0.160	0.076
Chloroform			0.330	0.240	0.320	0.290	0.290	0.220	0.230	0.139
1,1,1-Trichloroethane			0.330	0.270	0.320	0.320	0.300	0.220	0.250	0.130
Carbon Tetrachloride			0.320	0.260	0.310	0.300	0.290	0.220	0.220	0.131
1,2-Dichloroethane			0.350	0.280	0.350	0.330	0.350	0.230	0.240	0.168
Benzene			0.290	0.240	0.270	0.260	0.260	0.190	0.200	0.116
Isooctane			0.300	0.210	0.250	0.250	0.240	0.180	0.190	0.130
Heptane			0.230	0.190	0.260	0.240	0.240	0.140	0.211	0.042
Trichloroethene			0.290	0.190	0.280	0.250	0.250	0.180	0.190	0.144
Ethyl Acrylate			0.220	0.170	0.210	0.220	0.240	0.130	0.150	0.130

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	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.: SG1CT Date Collected: 06/08/05 Date Received: 06/09/05
Lab Sample ID: 4540159 Date Analyzed: 06/14/05 Time Analyzed: 09:17
Canister ID: SUMMA0410 Pressure Rec'd: 4.6 psia Final Pressure: 23.0 psia
Injection Volume: 625 cc Nominal Volume: 125 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN13\AF00193.D

CAS RN	COMPOUND NAME	CONCENTRATION	UNITS: MDL ug/m3	Q
75-71-8	Dichlorodifluoromethane	3		J
76-14-2	Freon 114	1		U
74-87-3	Chloromethane	1		J
75-01-4	Vinyl Chloride	72		
74-83-9	Bromomethane	0.8		U
75-00-3	Chloroethane	0.5		U
75-69-4	Trichlorofluoromethane	2		J
75-35-4	1,1-Dichloroethene	72		
76-13-1	Freon 113	4		U
107-05-1	3-Chloropropene	2		U
75-09-2	Methylene Chloride	81		
75-34-3	1,1-Dichloroethane	89		
156-59-2	cis-1,2-Dichloroethene	120		
67-66-3	Chloroform	2		J
71-55-6	1,1,1-Trichloroethane	120		
56-23-5	Carbon Tetrachloride	1		U
107-06-2	1,2-Dichloroethane	83		
71-43-2	Benzene	70		
79-01-6	Trichloroethene	120		
78-87-5	1,2-Dichloropropane	0.9		U
10061-01-5	cis-1,3-Dichloropropene	0.9		U
108-88-3	Toluene	360		
10061-02-6	trans-1,3-Dichloropropene	0.9		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	420		
106-93-4	1,2-Dibromoethane	230		
108-90-7	Chlorobenzene	100		
100-41-4	Ethylbenzene	78		
1330-20-7	m/p-Xylene	260		
95-47-6	o-Xylene	44		
100-42-5	Styrene	5		
79-34-5	1,1,2,2-Tetrachloroethane	1		U
622-96-8	4-Ethyltoluene	12		
108-67-8	1,3,5-Trimethylbenzene	6		

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.: SG1CT Date Collected: 06/08/05 Date Received: 06/09/05
Lab Sample ID: 4540159 Date Analyzed: 06/14/05 Time Analyzed: 09:17
Canister ID: SUMMA0410 Pressure Rec'd: 4.6 psia Final Pressure: 23.0 psia
Injection Volume: 625 cc Nominal Volume: 125 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN13\AF00193.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ug/m3	Q
95-63-6	1,2,4-Trimethylbenzene	21	
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

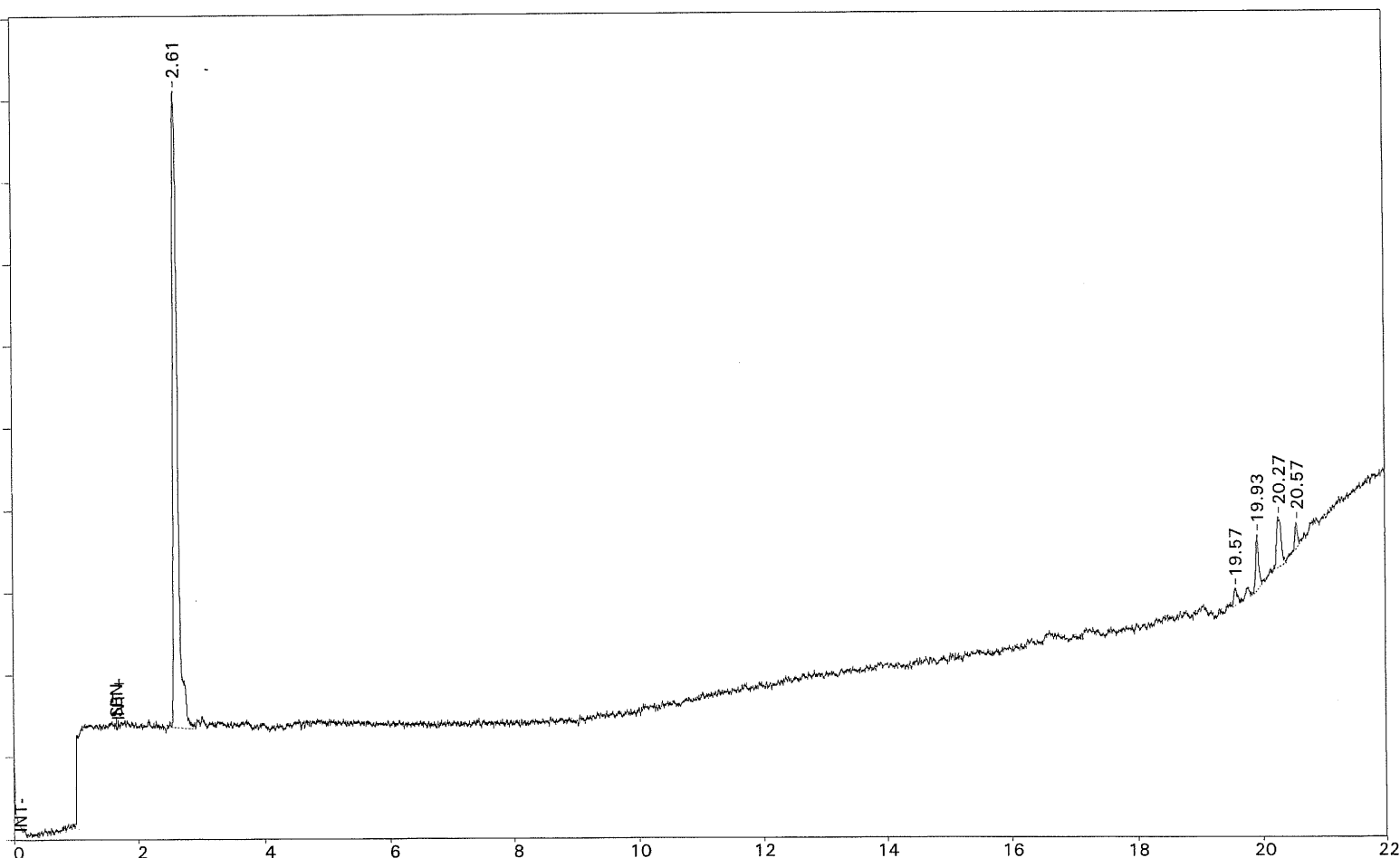
U = Compound was undetected at the specified limit of quantitation.

B = Compound was found in method blank. D = analysis of diluted sample.

J = Compound was detected, but below the limit of quantitation.

Sample Name=4540159 DF5 PRE #TOXIK SG1

0.0 to 22.0 min. Low Y=4.145 High Y=5.61 mv Span=1.465



Lancaster Laboratories

Analysis Data Sheet

DIR Analysis:

Sample No:

Lab Sample: 4540159 DF5 PRE #TOXIK SG1

Date Analyzed: Jun 10, 2005 10:24:56

Nominal Vol: 100 uL

Instr. ID: A58309--FID

Lab File ID: C:\CP\DATA1\05161.04R

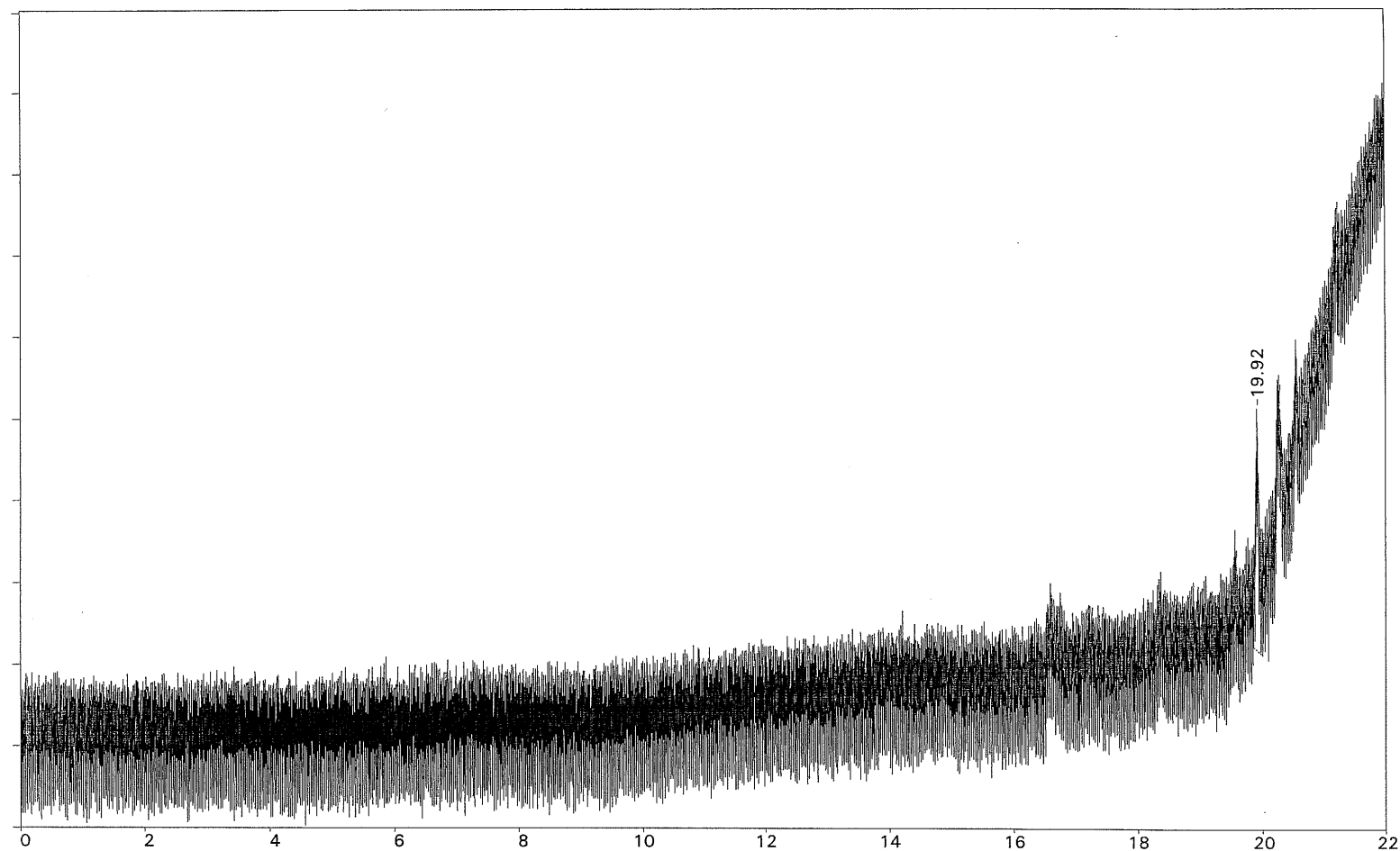
Calibration File: c:\cp\data1\FIDT.CAL

Calibration Version: 655

Ret Time (min)	Peak Area	Peak Name	Amount ppm
2.615	5840	Methane	34.7478
19.573	118	Decane	0.0239
19.933	320		0.0000
20.269	448		0.0000
20.567	126		0.0000
Total Area: 6852.003			

Sample Name=4540159 DF5 PRE #TOXIK SG1

0.0 to 22.0 min. Low Y=-0.324 High Y=3.097 mv Span=3.42



Lancaster Laboratories

Analysis Data Sheet

DIR Analysis:

Sample No:

Lab Sample: 4540159 DF5 PRE #TOXIK SG1

Date Analyzed: Jun 10, 2005 10:24:56

Nominal Vol: 100 uL

Instr. ID: A58309--PID

Lab File ID: C:\CP\DATA1\05161B.04R

Calibration File: c:\cp\data1\PIDT.CAL

Calibration Version: 359

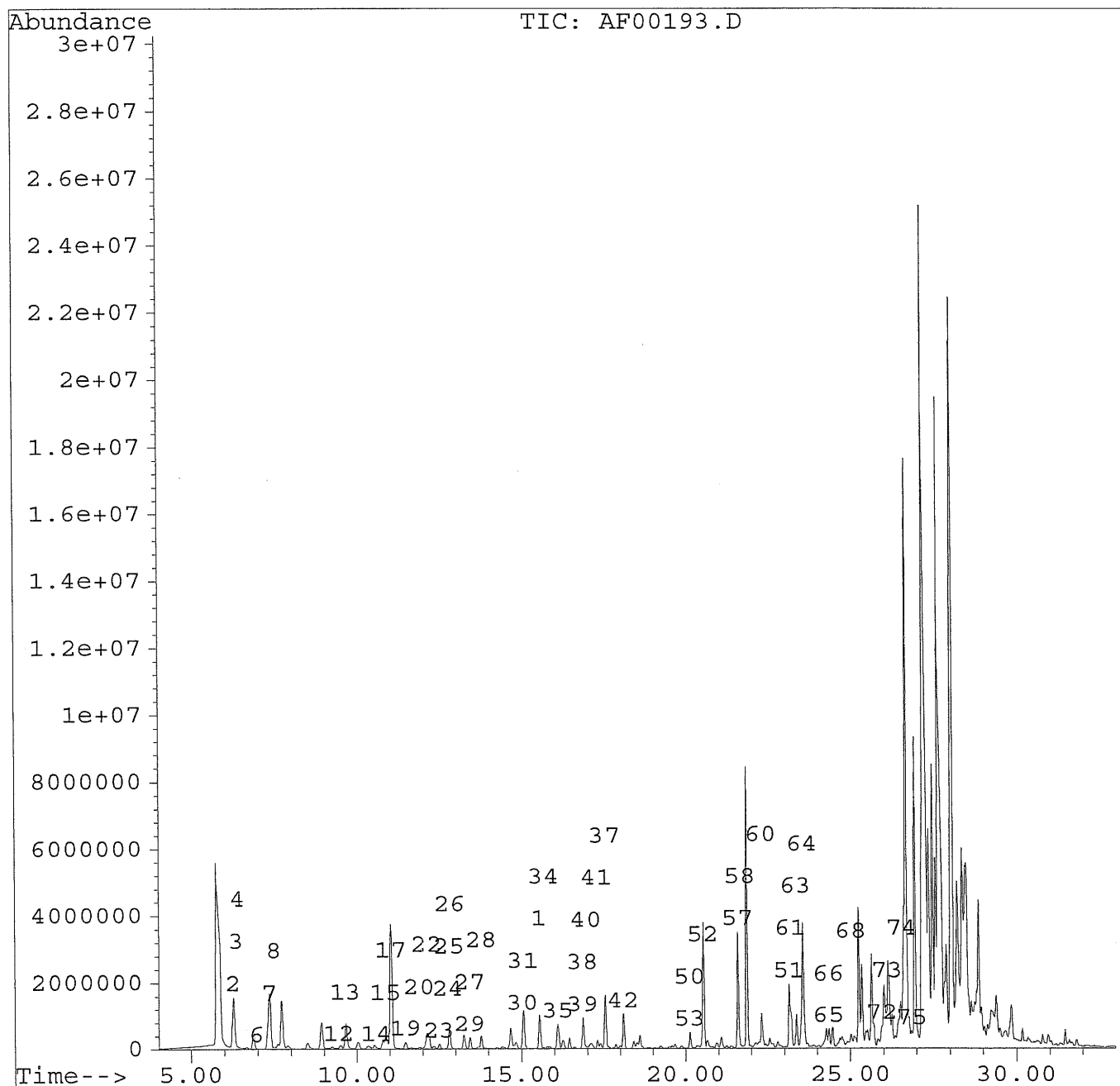
Ret Time (min)	Peak Area	Peak Name	Amount ppm
19.922	4061		0.0000
Total Area: 4060.752			

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00193.D
 Acq On : 14 Jun 05 9:17 am
 Sample : 4540159 625CC
 Misc :
 Quant Time: Jun 15 17:22 2005

Vial: 21
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Tue Jun 14 19:26:14 2005
 Response via : Single Level Calibration



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Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00193.D
 Acq On : 14 Jun 05 9:17 am
 Sample : 4540159 625CC
 Misc :
 Quant Time: Jun 15 17:22 2005

Vial: 21
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Tue Jun 14 19:26:14 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	15.55	130	711666	10.00	PPB	0.00
37) 1,4-Difluorobenzene	17.55	114	2282558	10.00	PPB	0.00
51) Chlorobenzene d5	23.16	117	2090582	10.00	PPB	0.01

System Monitoring Compounds

%Recovery

Target Compounds

Qvalue

2) Propene	6.26	41	1271657	76.93	PPB	#	73
3) Dichlorodifluoromethane	6.38	85	30313	0.54	PPB		81
4) Chlorodifluoromethane	6.43	51	28121	0.73	PPB	#	80
6) Chloromethane	6.99	50	14112	0.70	PPB	m	82
7) Vinyl Chloride	7.36	62	624264	28.29	PPB		96
8) 1,3-Butadiene	7.50	54	45676	1.55	PPB		95
12) Trichlorofluoromethane	9.45	101	17434	0.35	PPB		93
13) Pentane	9.67	43	1077269	39.68	PPB		99
14) Acrolein	10.60	56	28774	6.14	PPB	#	15
15) 1,1-Dichloroethene	10.87	61	548576	18.41	PPB		89
17) Acetone	11.03	43	11537087	446.83	PPB		96
19) Carbon Disulfide	11.47	76	470168	8.37	PPB		97
20) Acetonitrile	11.91	41	35081	1.30	PPB	m	19
22) Methylene Chloride	12.14	84	345750	23.55	PPB	#	77
23) tert-Butyl Alcohol	12.51	59	348198	11.51	PPB		100
24) Acrylonitrile	12.78	53	17230	0.85	PPB	m	46
25) trans-1,2-Dichloroethene	12.82	61	510430	21.20	PPB	#	77
26) Methyl t-Butyl Ether	12.86	73	51912	1.30	PPB	#	43
27) Hexane	13.44	57	298923	13.90	PPB		83
28) 1,1-Dichloroethane	13.79	63	689713	22.32	PPB		99
29) Vinyl Acetate	13.44	43	210381	14.00	PPB	m	95
30) cis-1,2-Dichloroethene	15.04	61	716223	31.03	PPB	#	63
31) 2-Butanone	15.08	72	421322	56.94	PPB	#	1
34) Chloroform	15.70	83	16835	0.48	PPB		90
35) 1,1,1-Trichloroethane	16.12	97	746219	22.25	PPB		90
38) 1,2-Dichloroethane	16.88	62	480053	20.59	PPB		96
39) Benzene	16.87	78	950586	21.94	PPB		95
40) Isooctane	16.99	57	79896	1.12	PPB	#	41
41) Heptane	17.32	43	190050	6.72	PPB	#	82
42) Trichloroethene	18.10	130	624253	22.94	PPB	#	88
50) 4-Methyl-2-Pentanone	20.14	43	615857	16.87	PPB	#	88
52) Toluene	20.55	91	4877464	95.03	PPB		100
53) Octane	20.14	43	615857	17.62	PPB	#	77
57) Tetrachloroethene	21.59	166	1913257	62.58	PPB		100
58) 2-Hexanone	21.68	43	85428	2.76	PPB	#	76
60) 1,2-Dibromoethane	22.31	107	1100024	30.25	PPB		100
61) Chlorobenzene	23.21	112	1013103	22.55	PPB		87

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00193.D
Acq On : 14 Jun 05 9:17 am
Sample : 4540159 625CC
Misc :
Quant Time: Jun 15 17:22 2005

Vial: 21
Operator: RDG
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
Title : T014 SCAN METHOD
Last Update : Tue Jun 14 19:26:14 2005
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63) Ethylbenzene	23.38	91	1258669	18.01	PPB	94
64) m/p-Xylene	23.58	91	3368854	60.00	PPB	91
65) o-Xylene	24.35	91	556810	10.17	PPB	92
66) Styrene	24.37	104	49170	1.16	PPB #	46
68) Cumene	25.03	105	255932	4.15	PPB	97
72) 4-Ethyltoluene	25.95	105	184009	2.42	PPB	91
73) 1,3,5-Trimethylbenzene	26.11	105	72431	1.20	PPB	92
74) Alpha Methyl Styrene	26.55	118	28887	1.21	PPB #	51
75) 1,2,4-Trimethylbenzene	26.85	105	253650	4.18	PPB	97

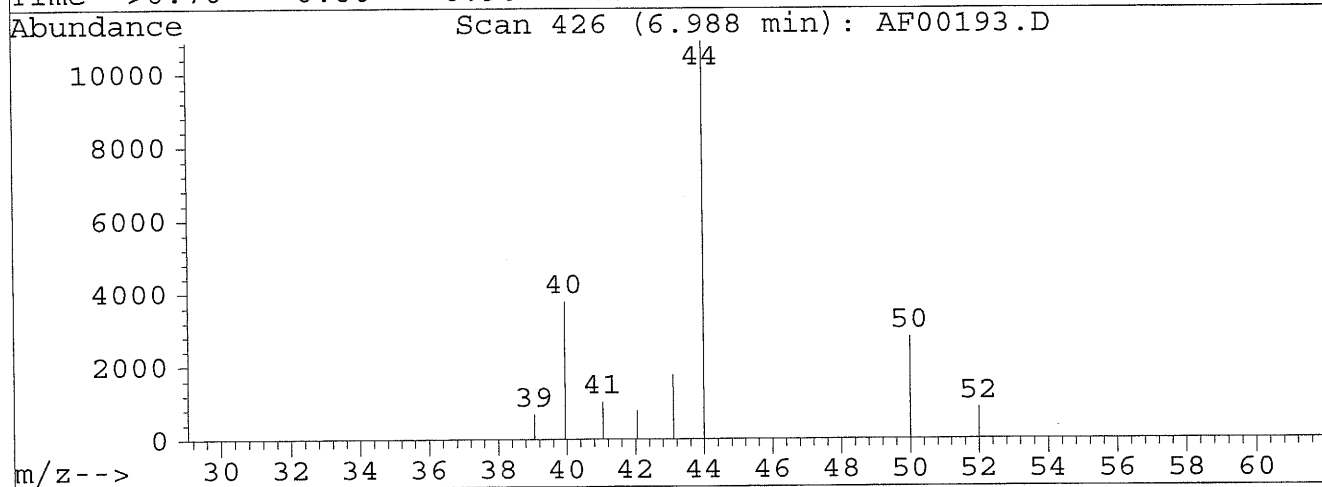
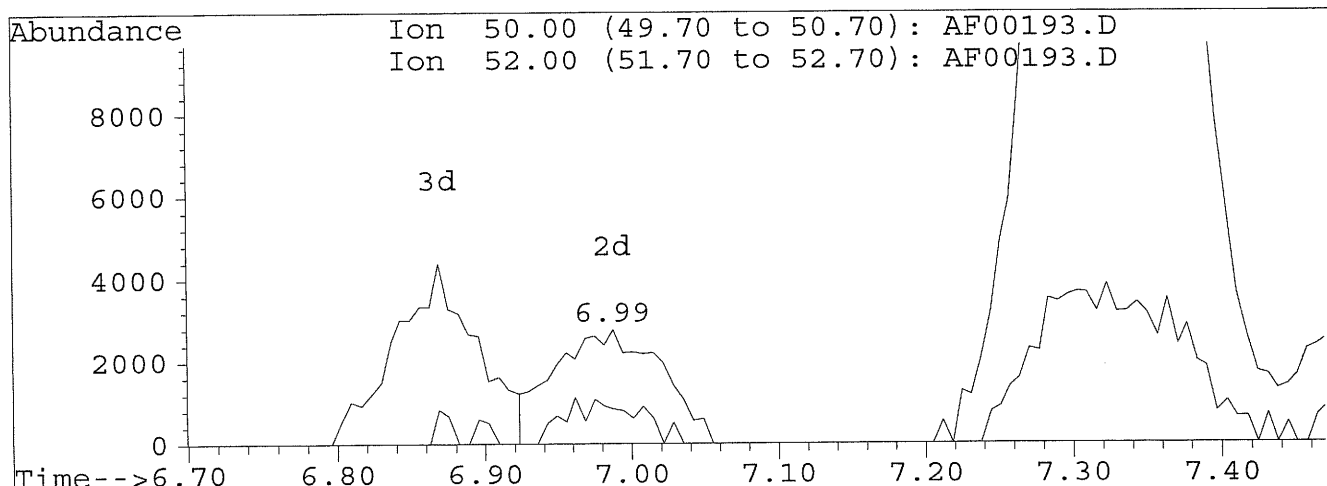
8878

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00193.D
 Acq On : 14 Jun 05 9:17 am
 Sample : 4540159 625CC
 Misc :
 Quant Time: Jun 15 17:18 2005

Vial: 21
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Tue Jun 14 19:26:14 2005
 Response via : Single Level Calibration



TIC: AF00193.D

(6) Chloromethane
 6.99min 0.70PPB m
 response 14112

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	30.36
0.00	0.00	0.00
0.00	0.00	0.00

split peak
ADG
6/15/05

from 707
6/19/06

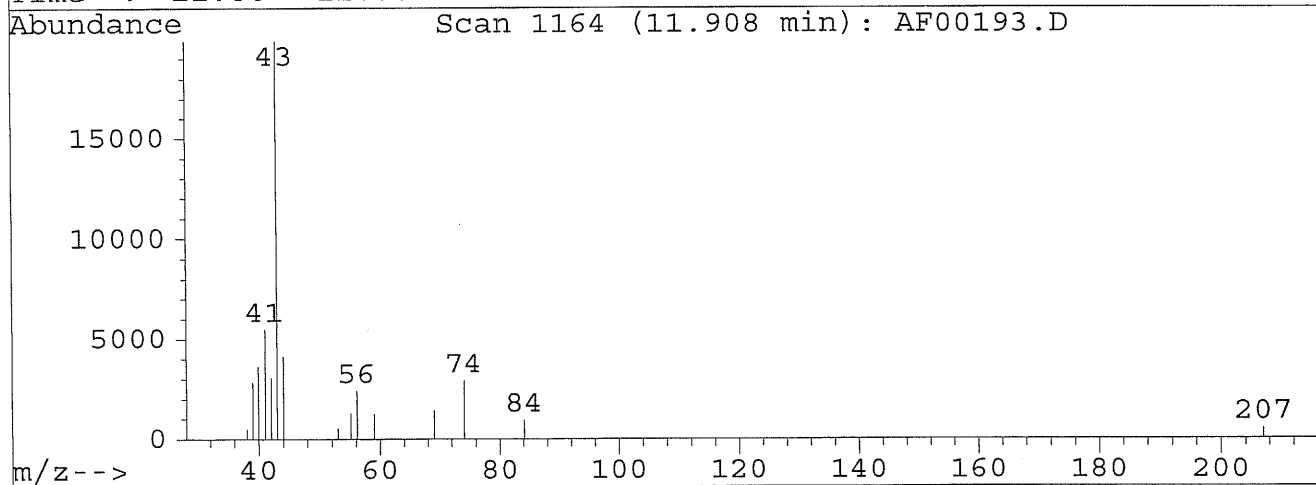
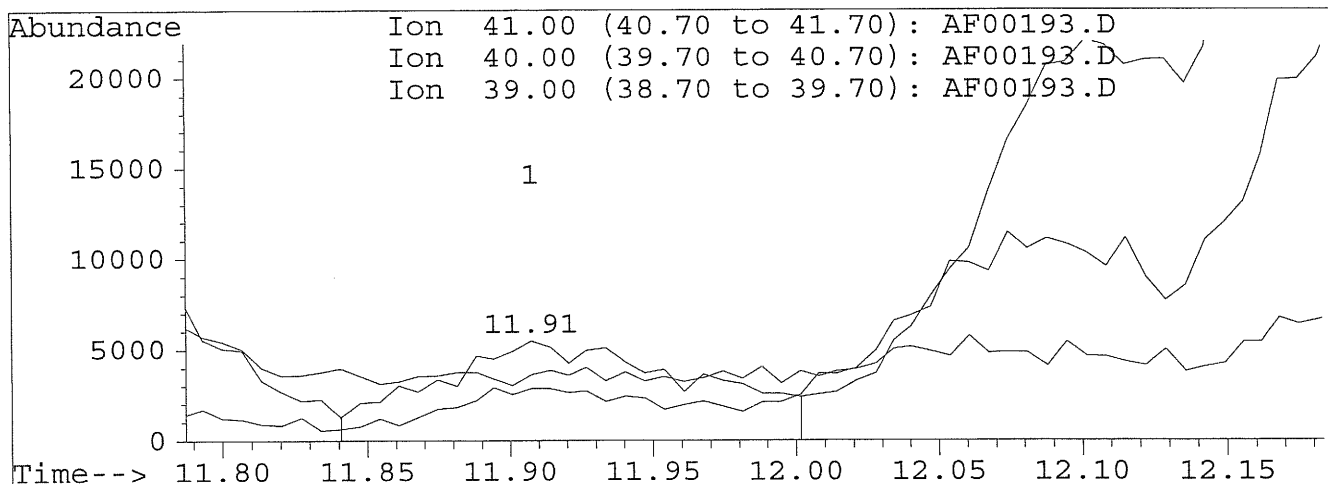
8871

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00193.D
 Acq On : 14 Jun 05 9:17 am
 Sample : 4540159 625CC
 Misc :
 Quant Time: Jun 15 17:20 2005

Vial: 21
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Tue Jun 14 19:26:14 2005
 Response via : Single Level Calibration



TIC: AF00193.D

(20) Acetonitrile

11.91min 1.30PPB m

response 35081

Ion	Exp%	Act%
41.00	100	100
40.00	61.90	65.97
39.00	24.10	52.07
0.00	0.00	0.00

*split peak
 10/14/05
 6/15/05
 from 753
 6/19/05*

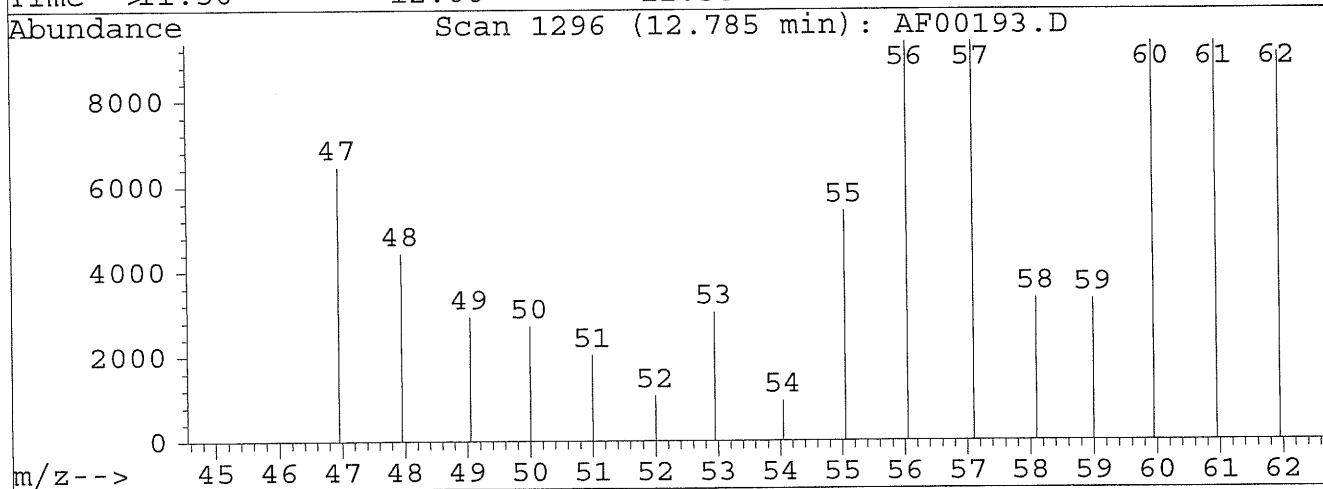
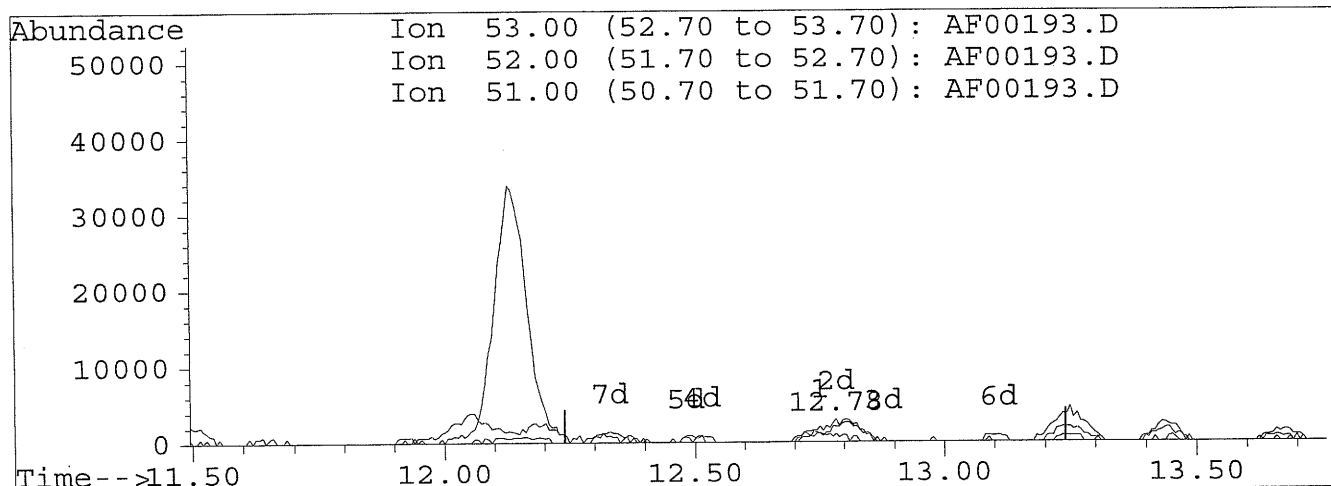
8872

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00193.D
 Acq On : 14 Jun 05 9:17 am
 Sample : 4540159 625CC
 Misc :
 Quant Time: Jun 15 17:20 2005

Vial: 21
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Tue Jun 14 19:26:14 2005
 Response via : Single Level Calibration



TIC: AF00193.D

(24) Acrylonitrile
 12.78min 0.85PPB m
 response 17230

Ion	Exp%	Act%
53.00	100	100
52.00	88.00	35.26
51.00	40.10	66.89
0.00	0.00	0.00

*split peak
 100%
 6/15/05
 from N3
 6/20/05*

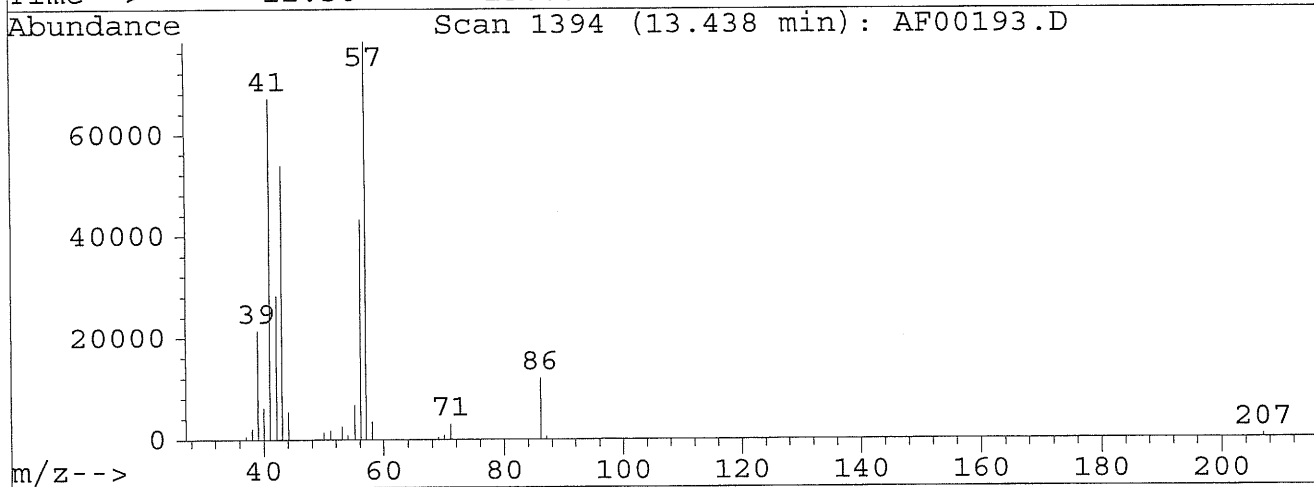
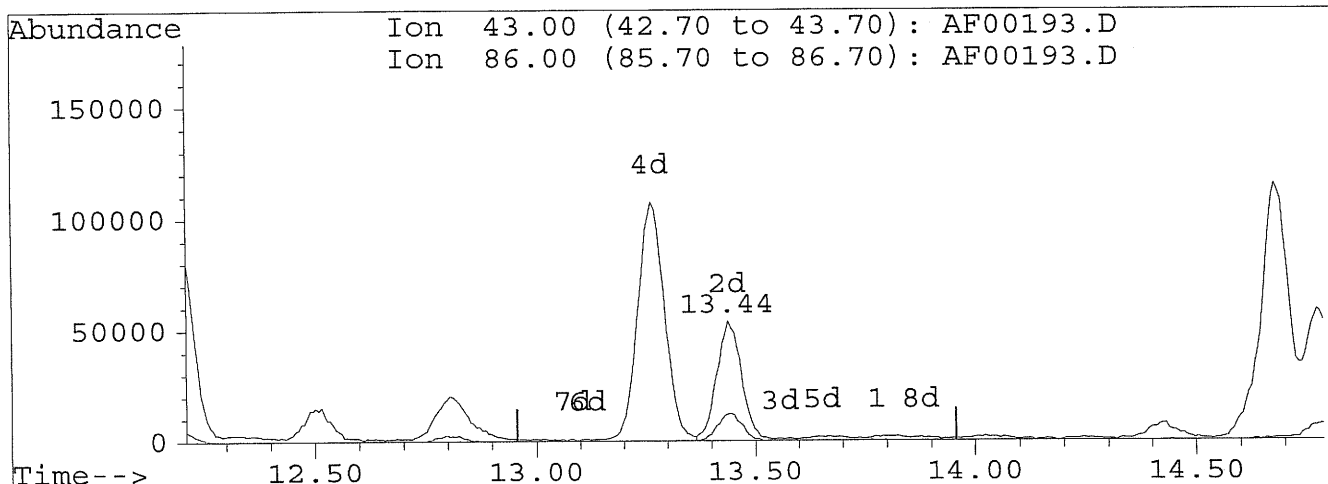
8873

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00193.D
 Acq On : 14 Jun 05 9:17 am
 Sample : 4540159 625CC
 Misc :
 Quant Time: Jun 15 17:20 2005

Vial: 21
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Tue Jun 14 19:26:14 2005
 Response via : Single Level Calibration



TIC: AF00193.D

(29) Vinyl Acetate

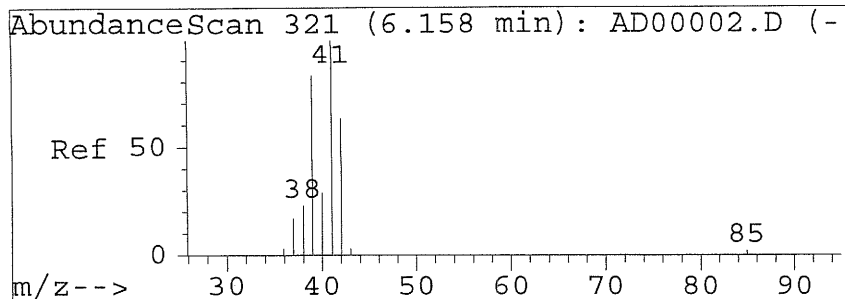
13.44min 14.00PPB m

response 210381

Ion	Exp%	Act%
43.00	100	100
86.00	16.50	22.31
0.00	0.00	0.00
0.00	0.00	0.00

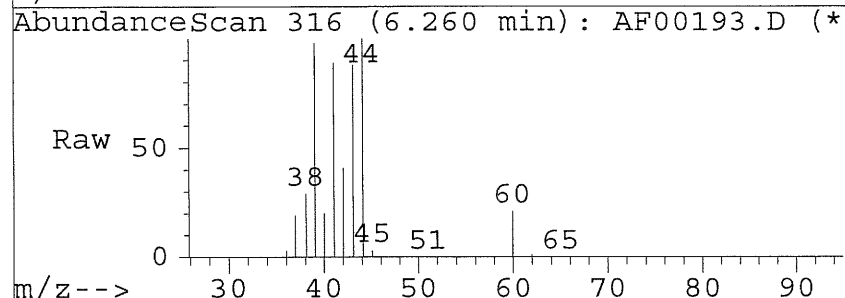
*wrong peak
 106114
 6/15/05
 sum m 73
 6/20/06*

8874

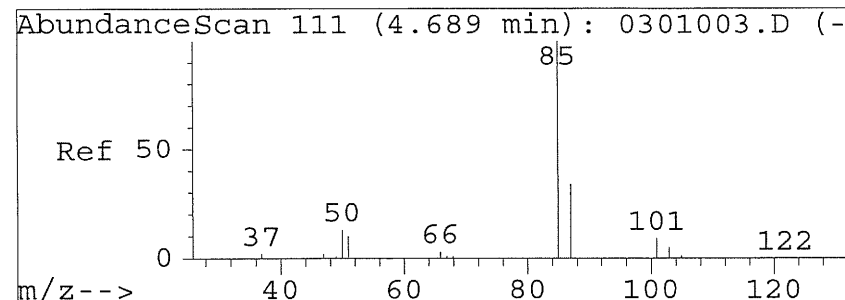
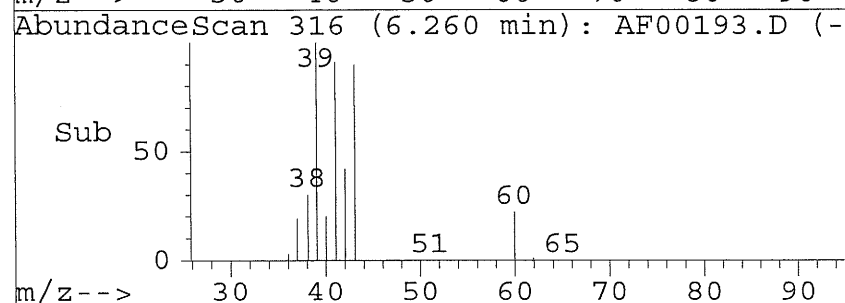
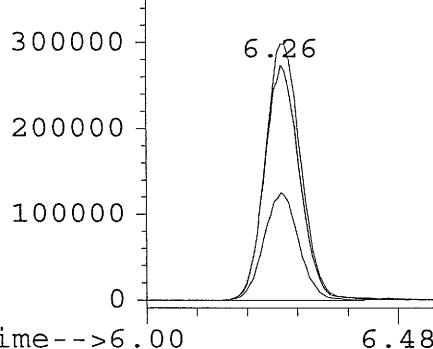


#2
Propene
Concen: 76.93 PPB
RT: 6.26 min Scan# 316
Delta R.T. -0.02 min
Lab File: AF00193.D
Acq: 14 Jun 05 9:17 am

Tgt Ion:	41	Resp:	1271657
Ion	Ratio	Lower	Upper
41	100		
39	112.1	66.6	99.9#
42	46.0	49.7	74.5#
0	0.0	0.0	0.0

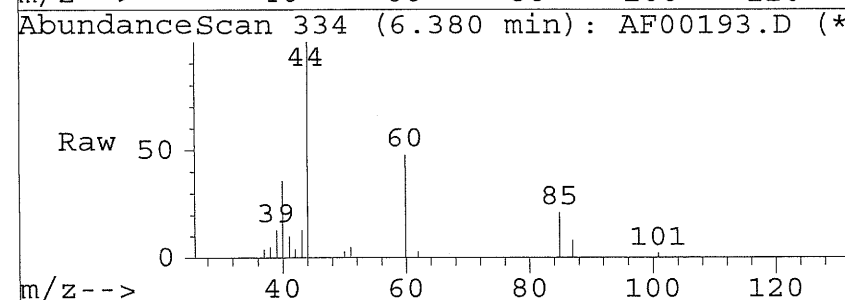


Abundance	Ion	41.00 (40.
400000	Ion	39.00 (38.
	Ion	42.00 (41.

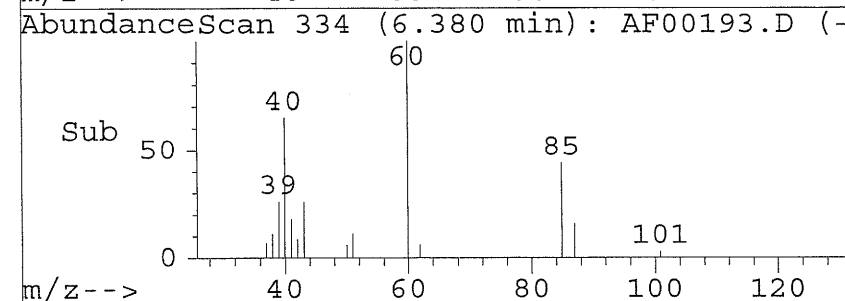
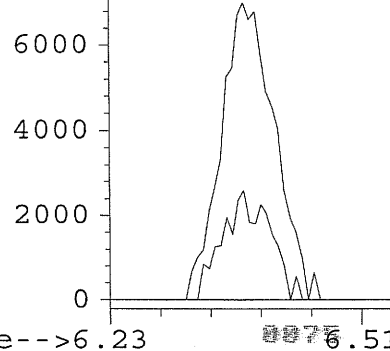


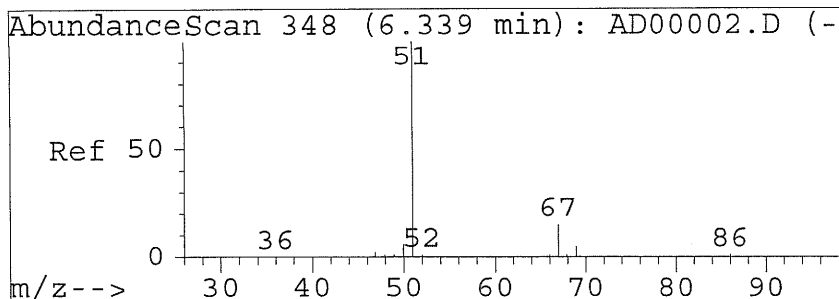
#3
Dichlorodifluoromethane
Concen: 0.54 PPB
RT: 6.38 min Scan# 334
Delta R.T. -0.02 min
Lab File: AF00193.D
Acq: 14 Jun 05 9:17 am

Tgt Ion:	85	Resp:	30313
Ion	Ratio	Lower	Upper
85	100		
87	21.5	12.0	52.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0



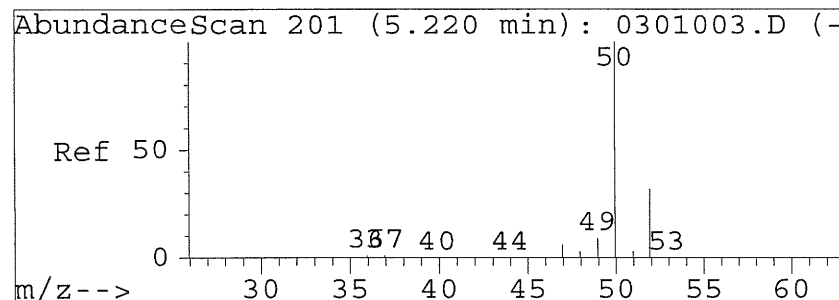
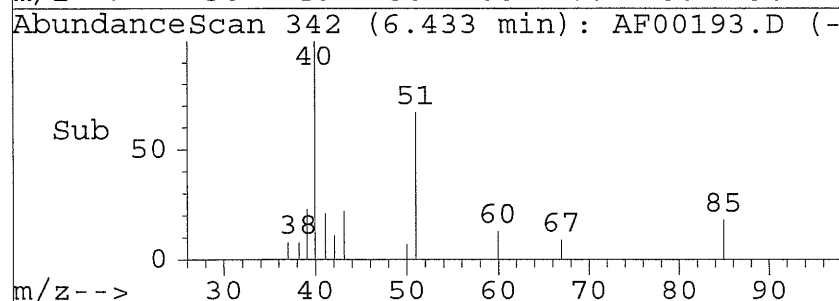
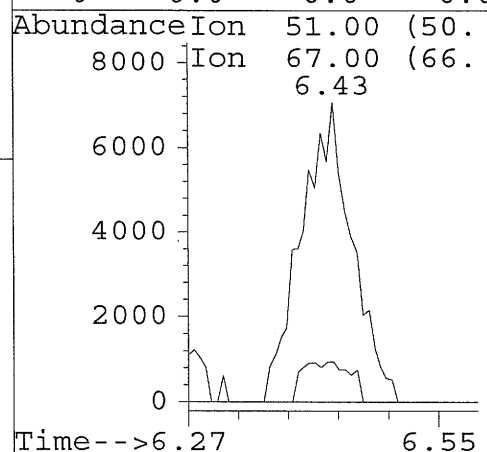
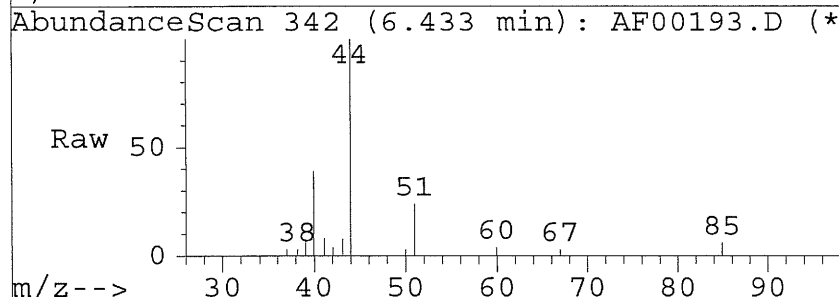
Abundance	Ion	85.00 (84.
8000	Ion	87.00 (86.
		6.38





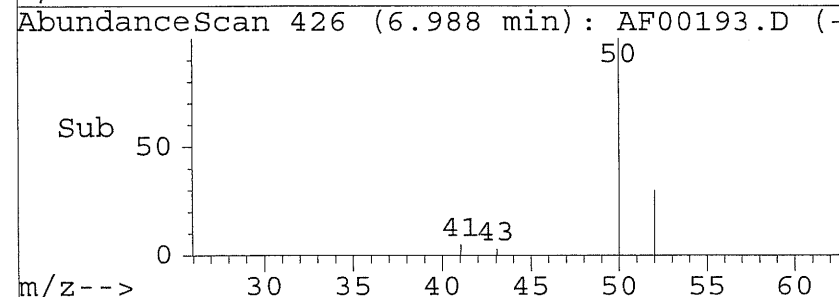
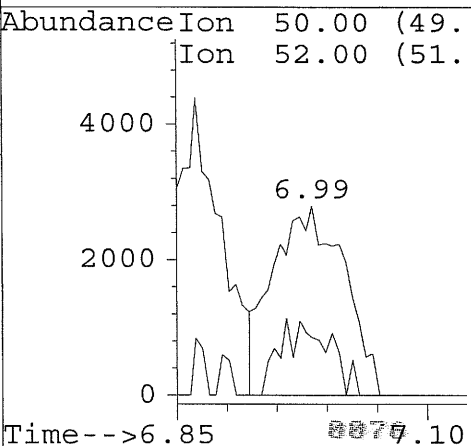
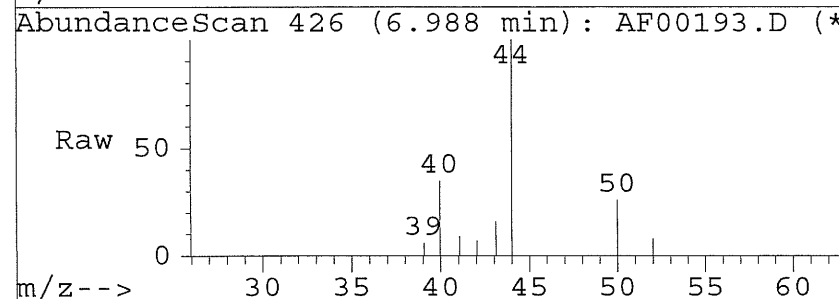
#4
Chlorodifluoromethane
Concen: 0.73 PPB
RT: 6.43 min Scan# 342
Delta R.T. -0.01 min
Lab File: AF00193.D
Acq: 14 Jun 05 9:17 am

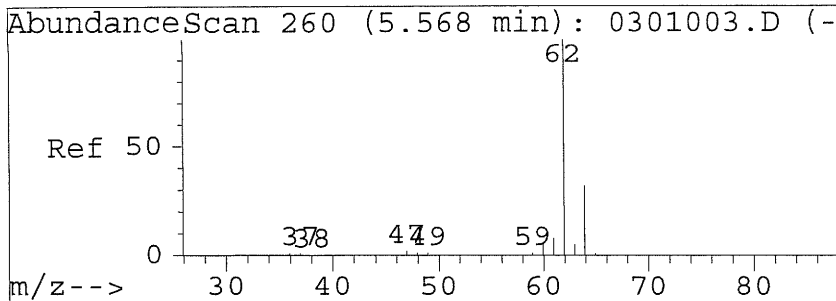
Tgt Ion:	51	Resp:	28121
Ion Ratio	Lower	Upper	
51	100		
67	5.9	11.3	17.0#
0	0.0	0.0	0.0
0	0.0	0.0	0.0



#6
Chloromethane
Concen: 0.70 PPB m
RT: 6.99 min Scan# 426
Delta R.T. -0.01 min
Lab File: AF00193.D
Acq: 14 Jun 05 9:17 am

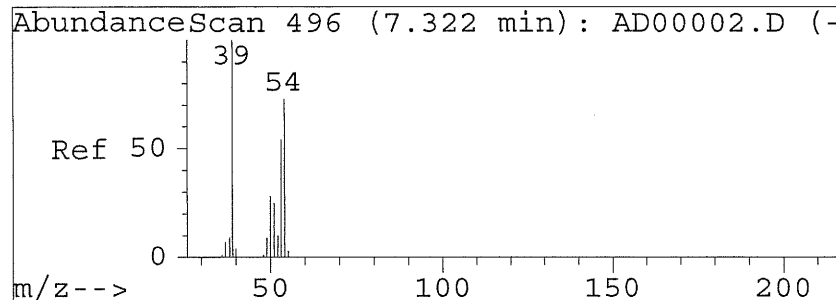
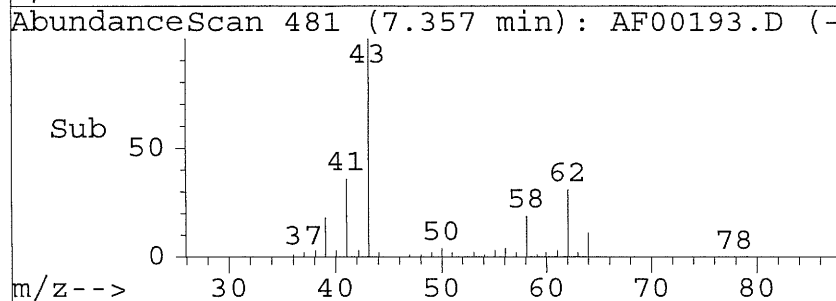
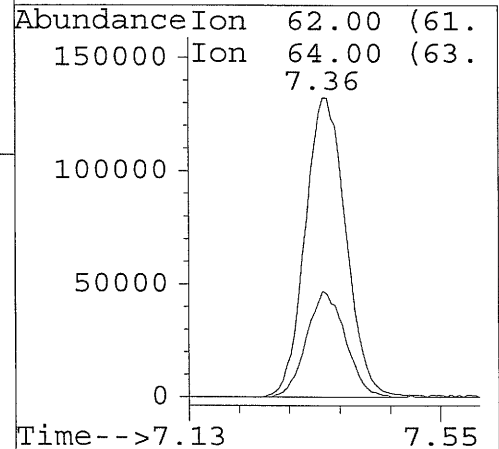
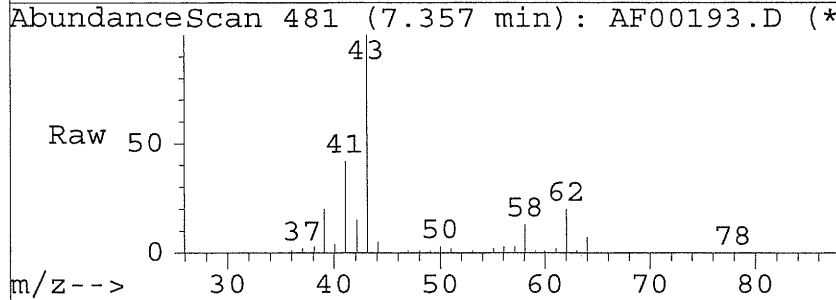
Tgt Ion:	50	Resp:	14112
Ion Ratio	Lower	Upper	
50	100		
52	30.4	12.6	52.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0





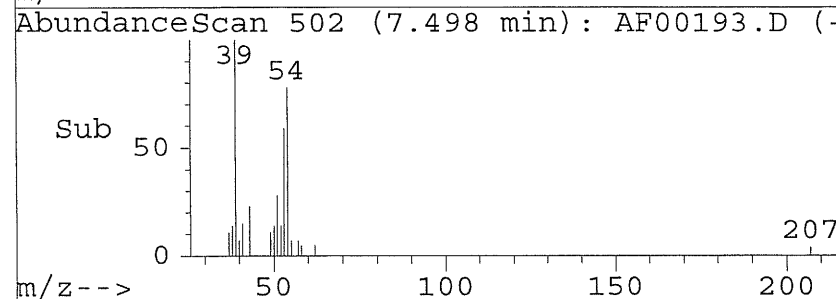
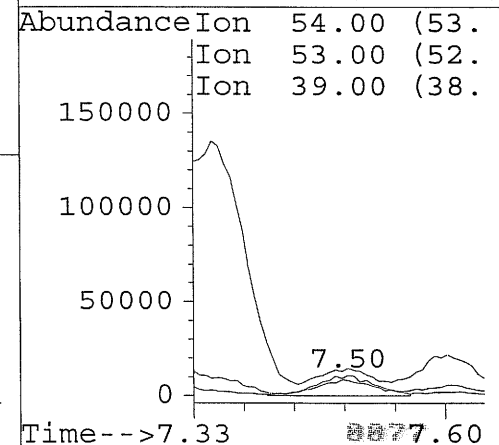
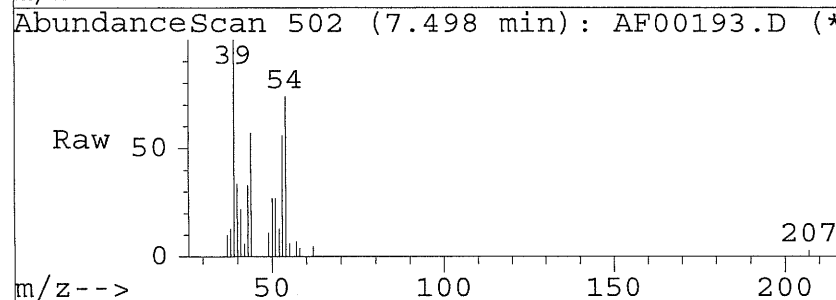
#7
 Vinyl Chloride
 Concen: 28.29 PPB
 RT: 7.36 min Scan# 481
 Delta R.T. -0.02 min
 Lab File: AF00193.D
 Acq: 14 Jun 05 9:17 am

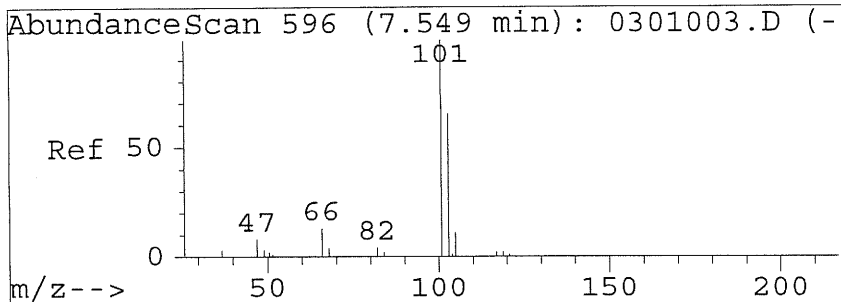
Tgt	Ion:62	Resp:	624264
Ion	Ratio	Lower	Upper
62	100		
64	33.7	11.7	51.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



#8
 1,3-Butadiene
 Concen: 1.55 PPB
 RT: 7.50 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: AF00193.D
 Acq: 14 Jun 05 9:17 am

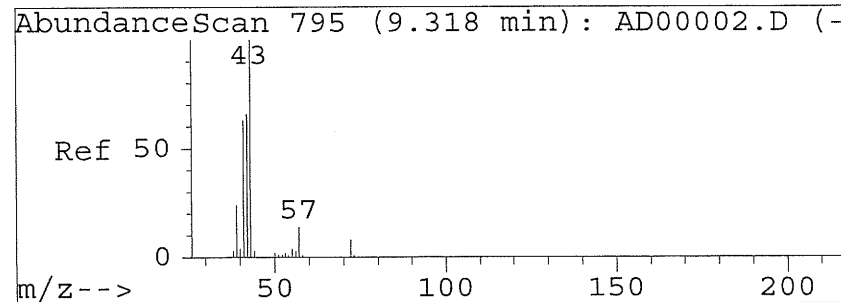
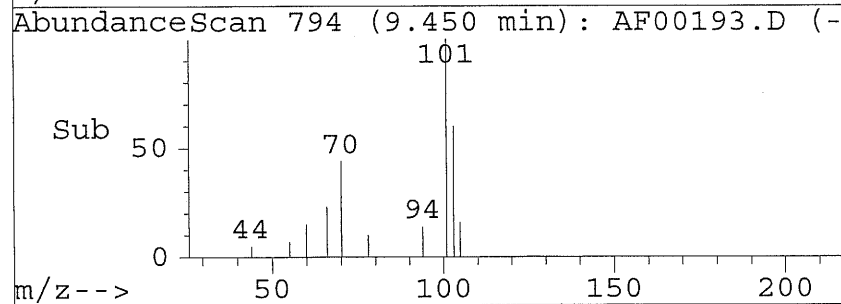
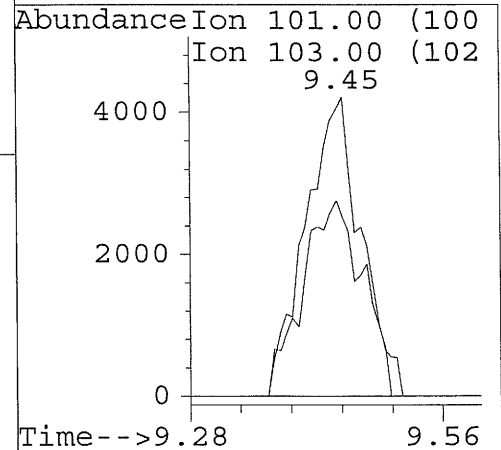
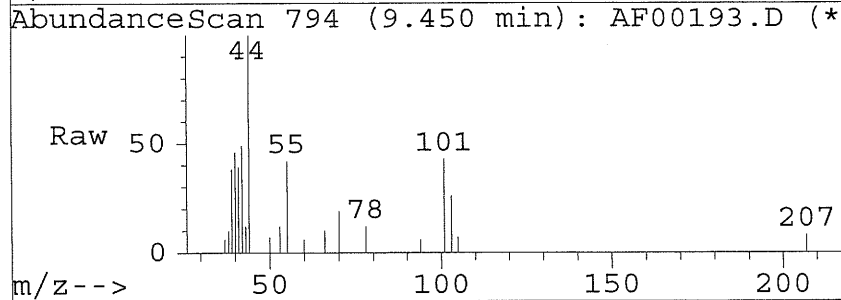
Tgt	Ion:54	Resp:	45676
Ion	Ratio	Lower	Upper
54	100		
53	77.1	57.4	86.1
39	129.1	108.0	161.9
0	0.0	0.0	0.0





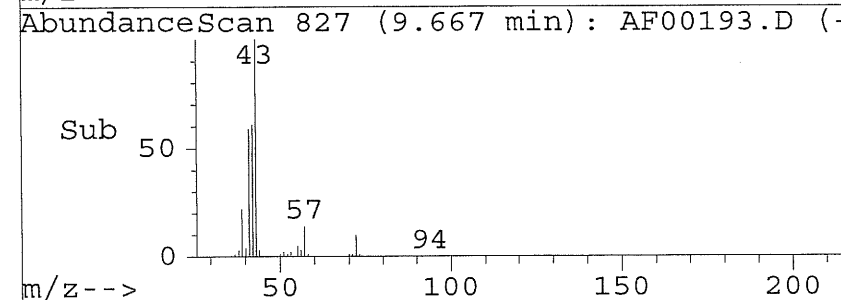
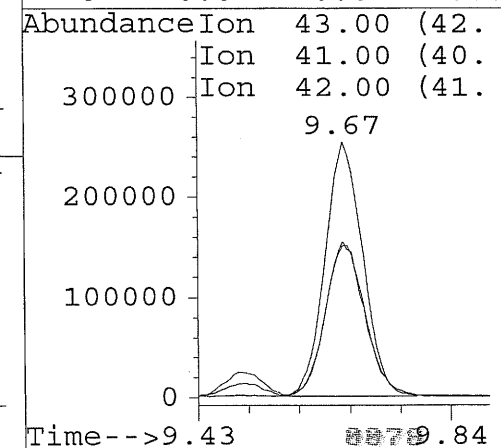
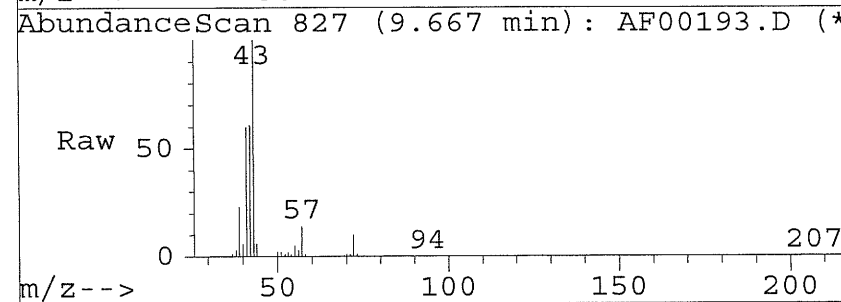
#12
Trichlorofluoromethane
Concen: 0.35 PPB
RT: 9.45 min Scan# 794
Delta R.T. -0.03 min
Lab File: AF00193.D
Acq: 14 Jun 05 9:17 am

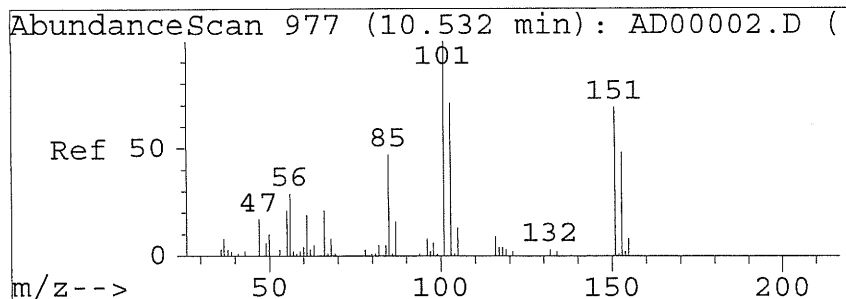
Tgt Ion:	101	Resp:	17434
Ion	Ratio	Lower	Upper
101	100		
103	71.2	45.3	85.3
0	0.0	0.0	0.0
0	0.0	0.0	0.0



#13
Pentane
Concen: 39.68 PPB
RT: 9.67 min Scan# 827
Delta R.T. -0.05 min
Lab File: AF00193.D
Acq: 14 Jun 05 9:17 am

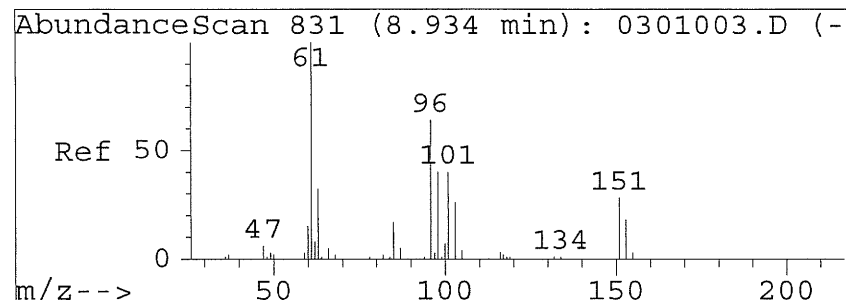
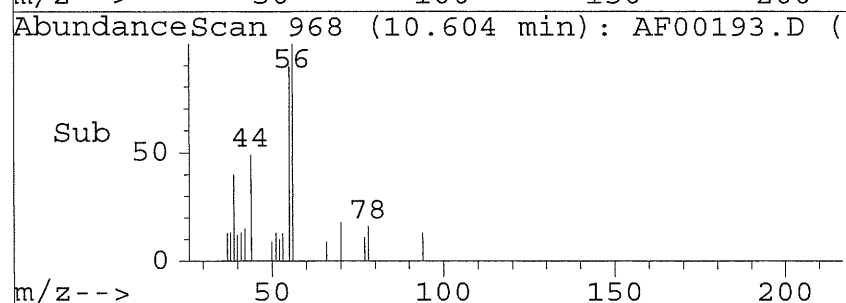
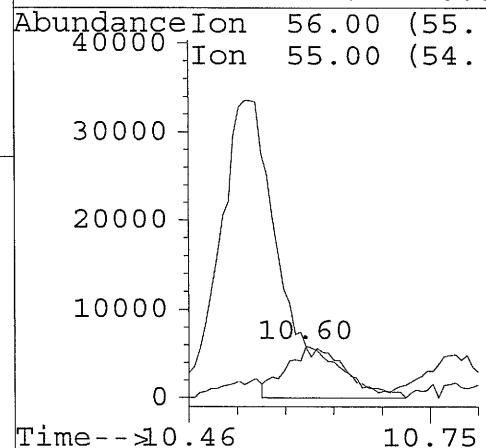
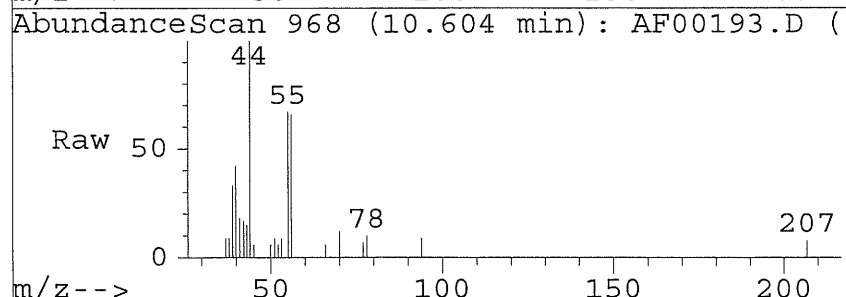
Tgt Ion:	43	Resp:	1077269
Ion	Ratio	Lower	Upper
43	100		
41	63.4	51.1	76.6
42	63.9	51.8	77.7
0	0.0	0.0	0.0





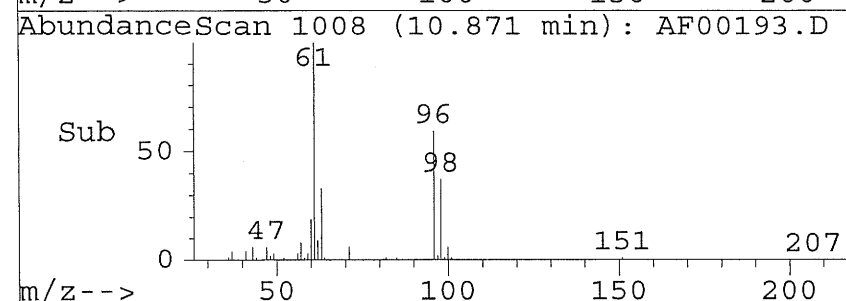
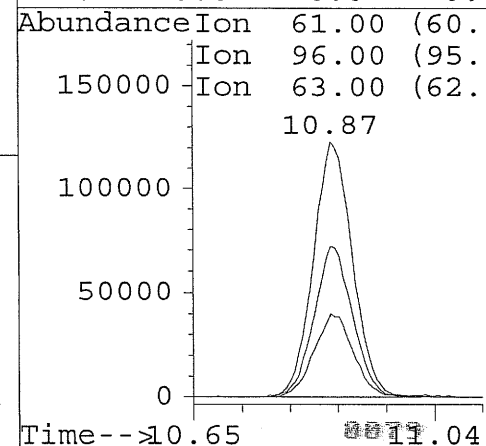
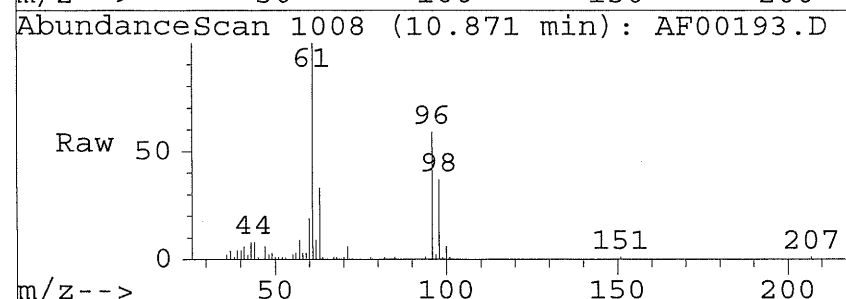
#14
Acrolein
Concen: 6.14 PPB
RT: 10.60 min Scan# 968
Delta R.T. -0.04 min
Lab File: AF00193.D
Acq: 14 Jun 05 9:17 am

Tgt Ion:56	Resp:	28774
Ion Ratio	Lower	Upper
56	100	
55	0.0	56.2 84.3#
0	0.0	0.0 0.0
0	0.0	0.0 0.0

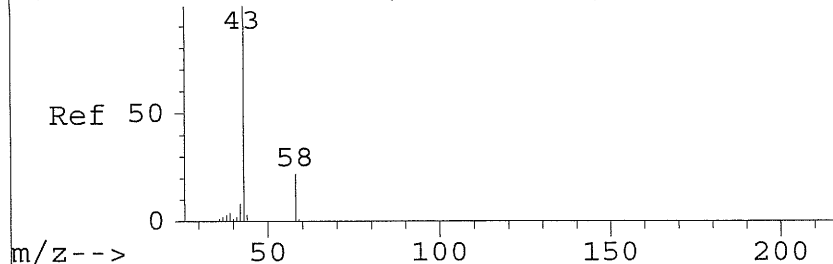


#15
1,1-Dichloroethene
Concen: 18.41 PPB
RT: 10.87 min Scan# 1008
Delta R.T. -0.04 min
Lab File: AF00193.D
Acq: 14 Jun 05 9:17 am

Tgt Ion:61	Resp:	548576
Ion Ratio	Lower	Upper
61	100	
96	58.2	26.6 66.6
63	32.8	11.3 51.3
0	0.0	0.0 0.0



AbundanceScan 1039 (10.928 min): AD00002.D



#17

Acetone

Concen: 446.83 PPB

RT: 11.03 min Scan# 1032

Delta R.T. -0.03 min

Lab File: AF00193.D

Acq: 14 Jun 05 9:17 am

Tgt Ion:43 Resp:11537087

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

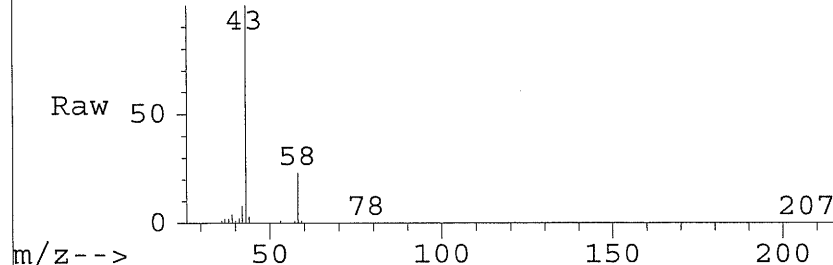
43	100		
----	-----	--	--

58	23.6	17.3	26.0
----	------	------	------

0	0.0	0.0	0.0
---	-----	-----	-----

0	0.0	0.0	0.0
---	-----	-----	-----

AbundanceScan 1032 (11.035 min): AF00193.D



AbundanceIon 43.00 (42.

Ion 58.00 (57.

11.03

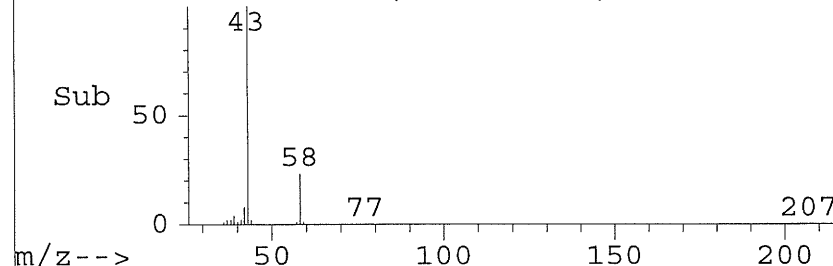
2000000

1000000

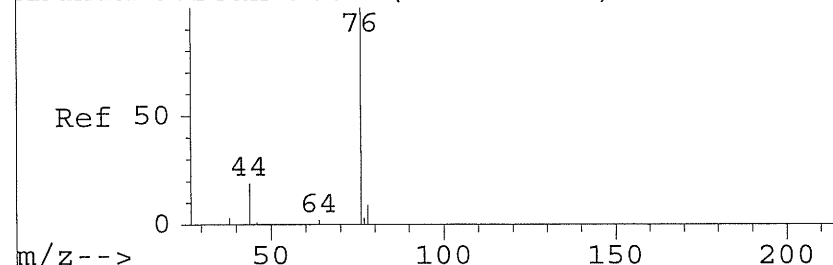
0

Time-->10.76 11.37

AbundanceScan 1032 (11.035 min): AF00193.D



AbundanceScan 1080 (11.194 min): AD00002.D



#19

Carbon Disulfide

Concen: 8.37 PPB

RT: 11.47 min Scan# 1099

Delta R.T. -0.04 min

Lab File: AF00193.D

Acq: 14 Jun 05 9:17 am

Tgt Ion:76 Resp: 470168

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

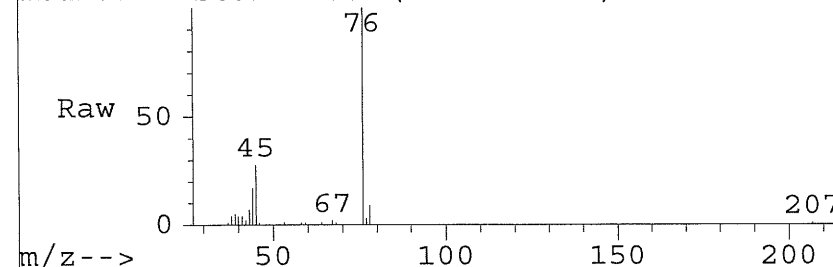
76	100		
----	-----	--	--

78	8.8	7.3	11.0
----	-----	-----	------

44	17.0	14.9	22.4
----	------	------	------

0	0.0	0.0	0.0
---	-----	-----	-----

AbundanceScan 1099 (11.474 min): AF00193.D



AbundanceIon 76.00 (75.

Ion 78.00 (77.

Ion 44.00 (43.

11.47

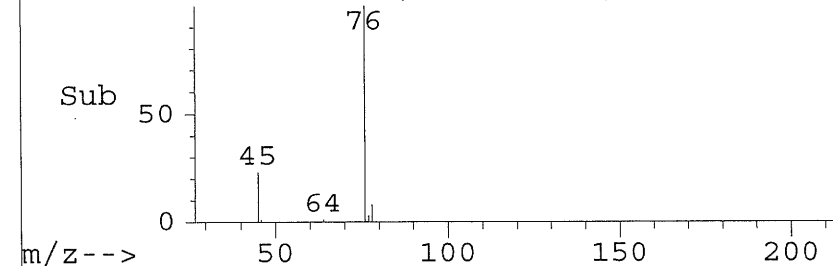
100000

50000

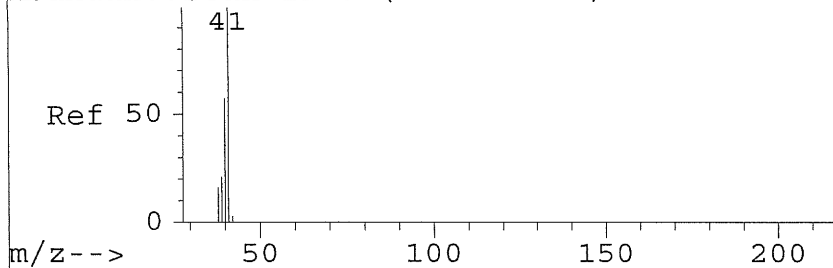
0

Time-->11.24 11.65

AbundanceScan 1099 (11.474 min): AF00193.D



AbundanceScan 1175 (11.810 min): AD00002.D



#20

Acetonitrile

Concen: 1.30 PPB m

RT: 11.91 min Scan# 1164

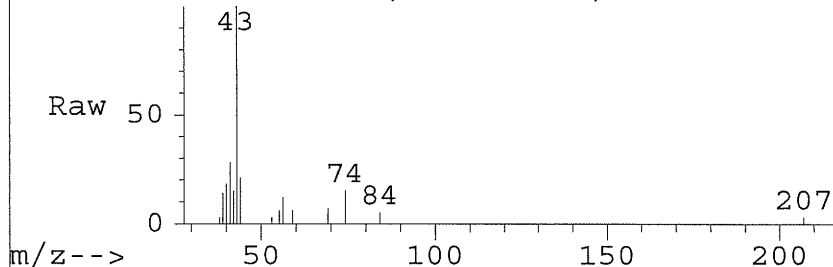
Delta R.T. 0.06 min

Lab File: AF00193.D

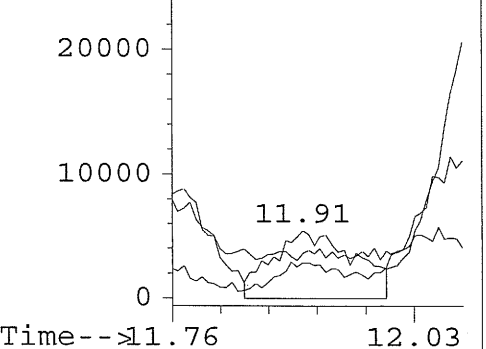
Acq: 14 Jun 05 9:17 am

Tgt Ion:	41	Resp:	35081
Ion	Ratio	Lower	Upper
41	100		
40	66.0	49.6	74.3
39	52.1	19.3	29.0#
0	0.0	0.0	0.0

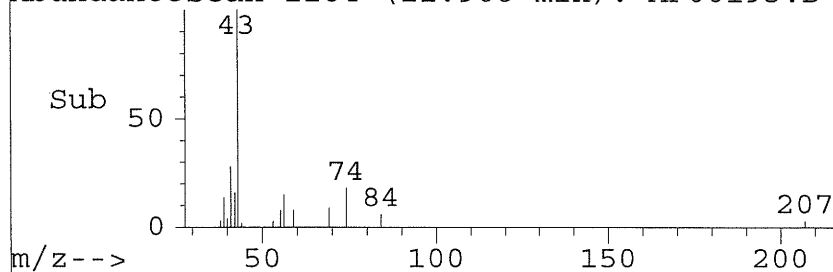
AbundanceScan 1164 (11.908 min): AF00193.D



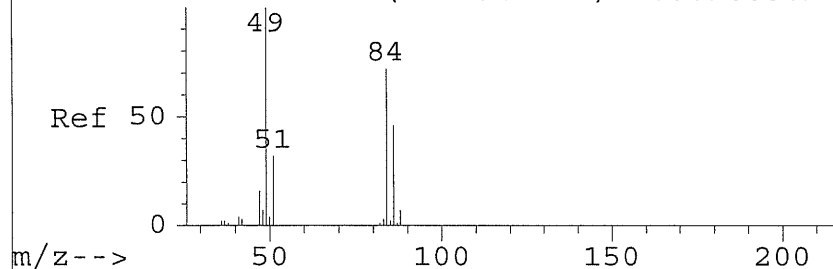
Abundance	Ion	41.00	(40.
	Ion	40.00	(39.
	Ion	39.00	(38.



AbundanceScan 1164 (11.908 min): AF00193.D



AbundanceScan 1045 (10.198 min): 0301003.D



#22

Methylene Chloride

Concen: 23.55 PPB

RT: 12.14 min Scan# 1198

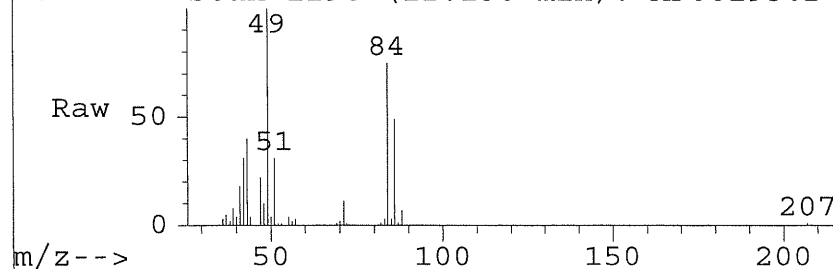
Delta R.T. -0.01 min

Lab File: AF00193.D

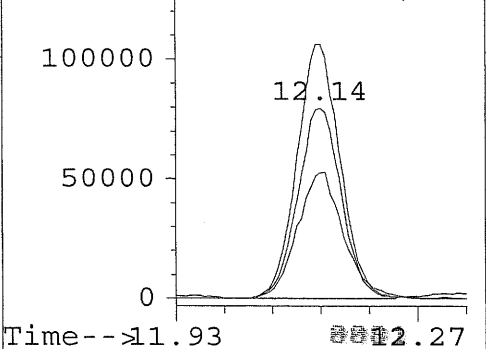
Acq: 14 Jun 05 9:17 am

Tgt Ion:	84	Resp:	345750
Ion	Ratio	Lower	Upper
84	100		
86	70.4	42.9	82.9
49	132.8	151.7	191.7#
0	0.0	0.0	0.0

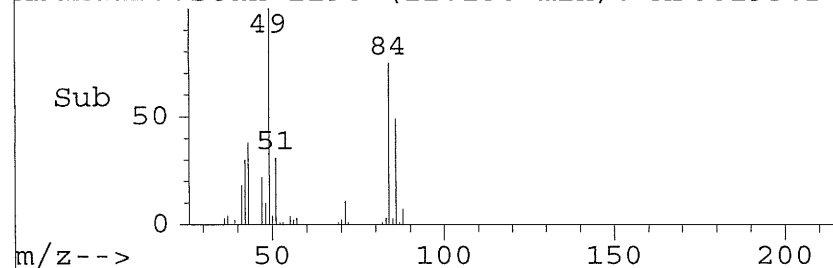
AbundanceScan 1198 (12.136 min): AF00193.D



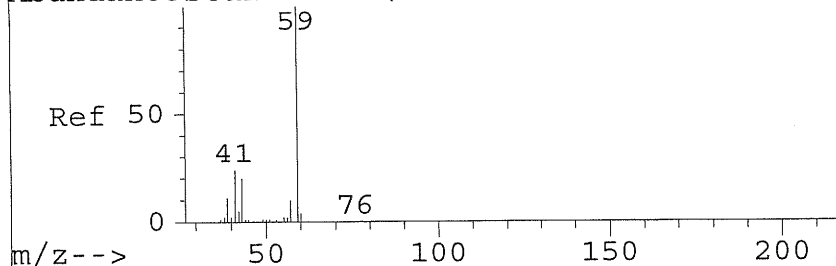
Abundance	Ion	84.00	(83.
	Ion	86.00	(85.
	Ion	49.00	(48.



AbundanceScan 1198 (12.136 min): AF00193.D



AbundanceScan 1246 (12.284 min): AD00002.D



#23

tert-Butyl Alcohol

Concen: 11.51 PPB

RT: 12.51 min Scan# 1254

Delta R.T. 0.01 min

Lab File: AF00193.D

Acq: 14 Jun 05 9:17 am

Tgt Ion:59 Resp: 348198

Ion Ratio Lower Upper

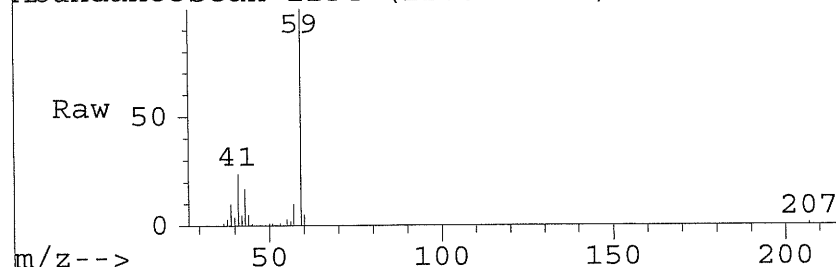
59 100

41 23.3 3.5 43.5

57 9.9 0.0 29.7

0 0.0 0.0 0.0

AbundanceScan 1254 (12.508 min): AF00193.D



AbundanceIon 59.00 (58.

Ion 41.00 (40.

Ion 57.00 (56.

12.51

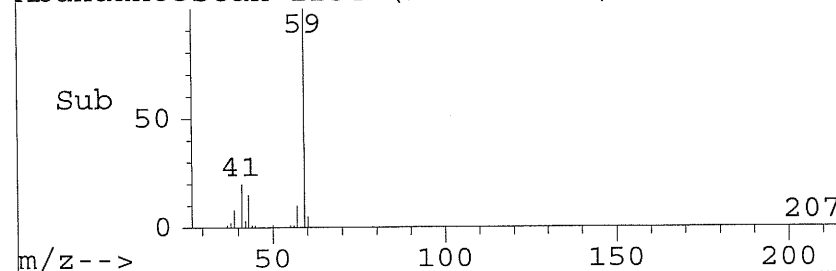
100000

50000

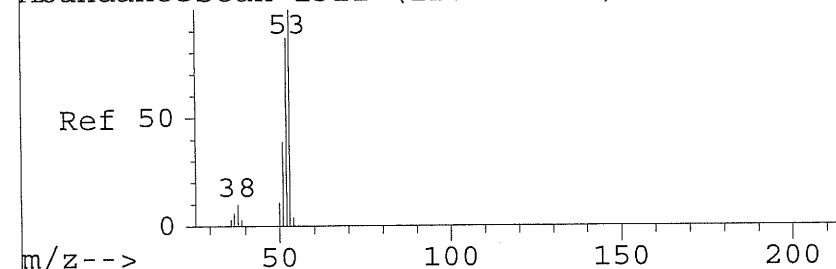
0

Time-->12.30 12.65

AbundanceScan 1254 (12.508 min): AF00193.D



AbundanceScan 1311 (12.714 min): AD00002.D



#24

Acrylonitrile

Concen: 0.85 PPB m

RT: 12.78 min Scan# 1296

Delta R.T. 0.04 min

Lab File: AF00193.D

Acq: 14 Jun 05 9:17 am

Tgt Ion:53 Resp: 17230

Ion Ratio Lower Upper

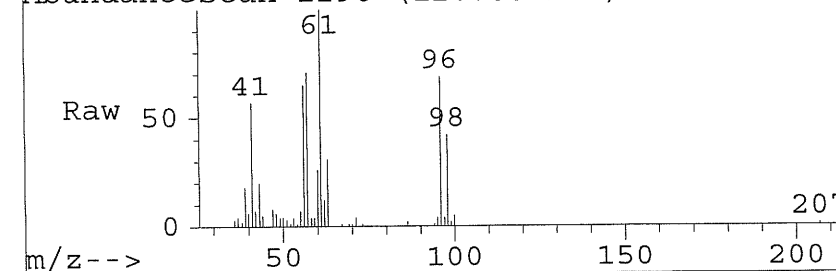
53 100

52 35.3 70.5 105.7#

51 66.9 32.1 48.2#

0 0.0 0.0 0.0

AbundanceScan 1296 (12.785 min): AF00193.D



AbundanceIon 53.00 (52.

Ion 52.00 (51.

Ion 51.00 (50.

12.78

4000

3000

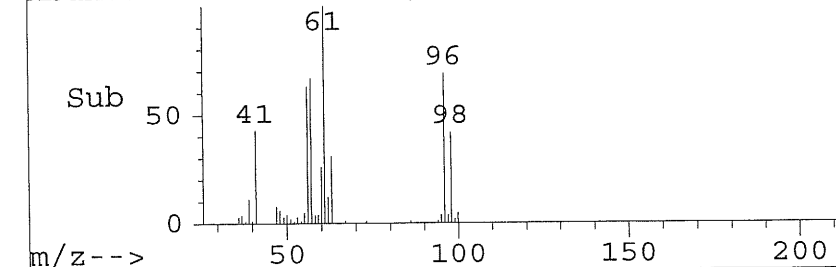
2000

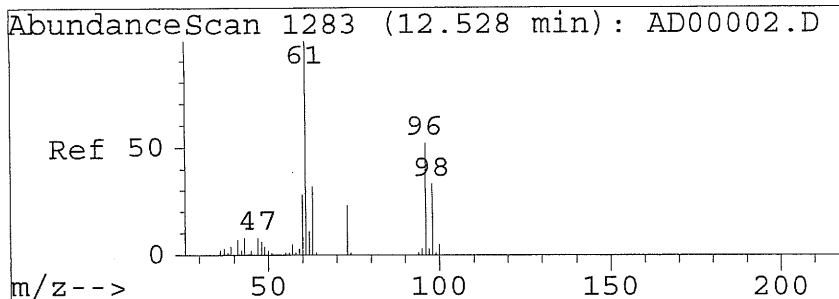
1000

0

Time-->12.60 12.90

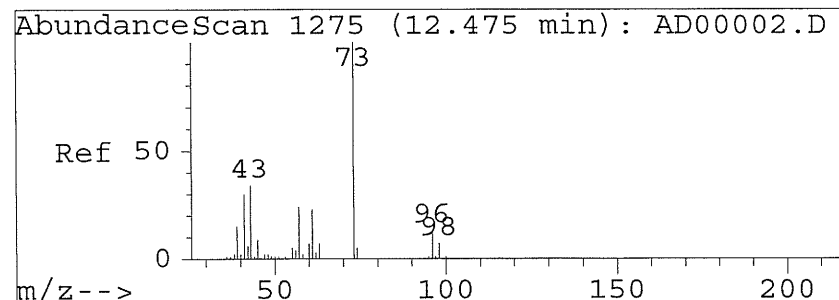
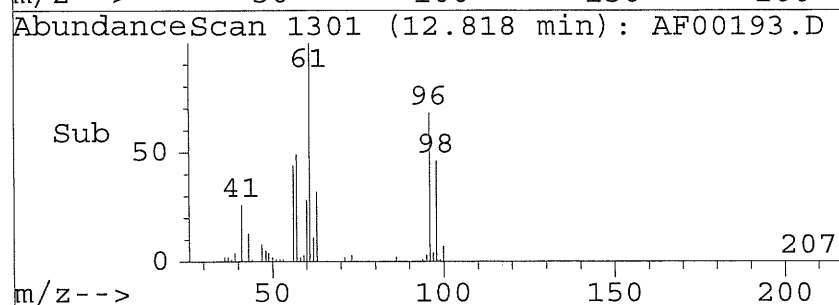
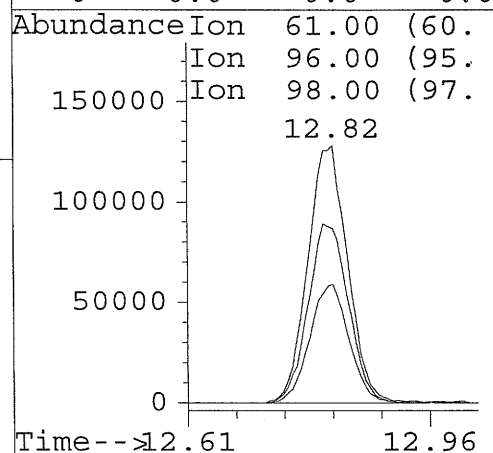
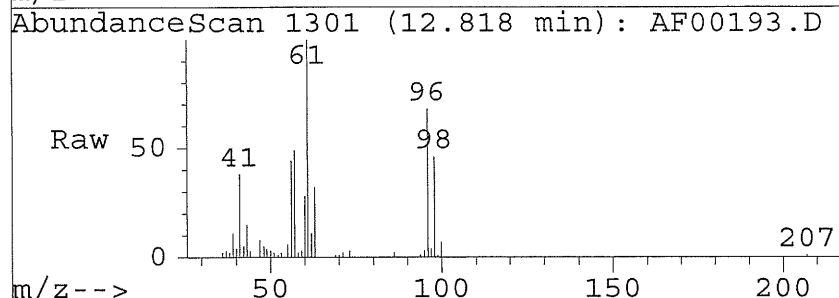
AbundanceScan 1296 (12.785 min): AF00193.D





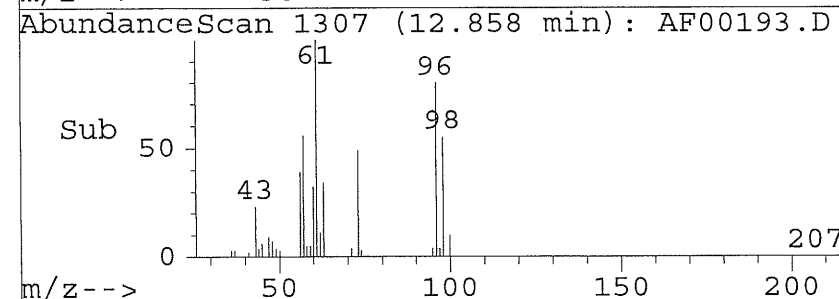
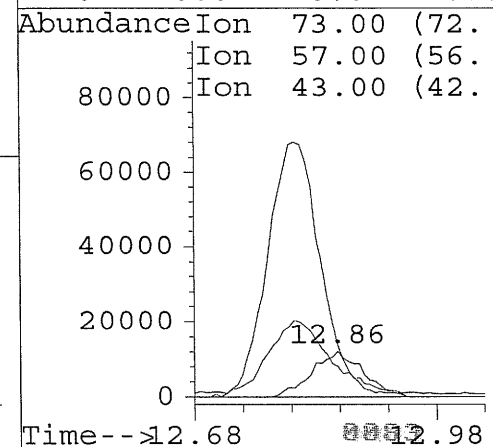
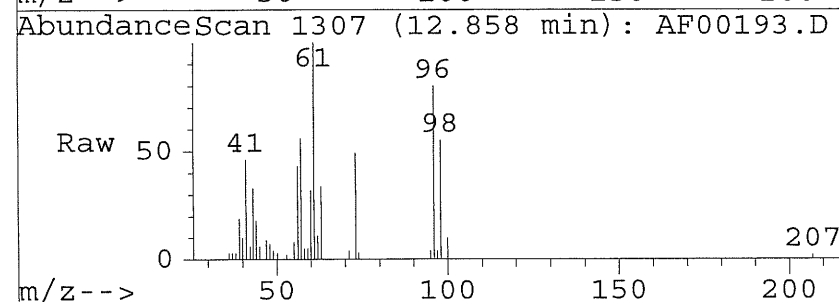
#25
trans-1,2-Dichloroethene
Concen: 21.20 PPB
RT: 12.82 min Scan# 1301
Delta R.T. -0.01 min
Lab File: AF00193.D
Acq: 14 Jun 05 9:17 am

Tgt Ion:	61	Resp:	510430
Ion Ratio	Lower	Upper	
61	100		
96	70.4	42.6	63.9#
98	45.3	26.6	39.9#
0	0.0	0.0	0.0

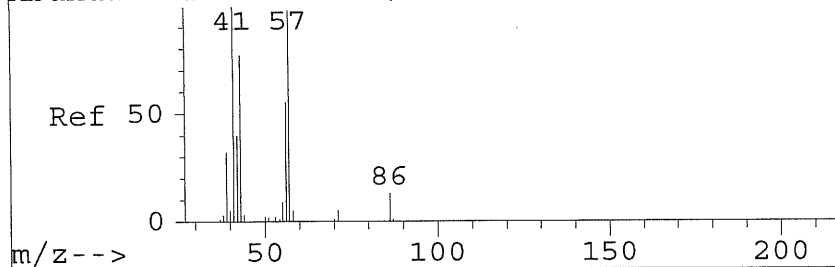


#26
Methyl t-Butyl Ether
Concen: 1.30 PPB
RT: 12.86 min Scan# 1307
Delta R.T. -0.01 min
Lab File: AF00193.D
Acq: 14 Jun 05 9:17 am

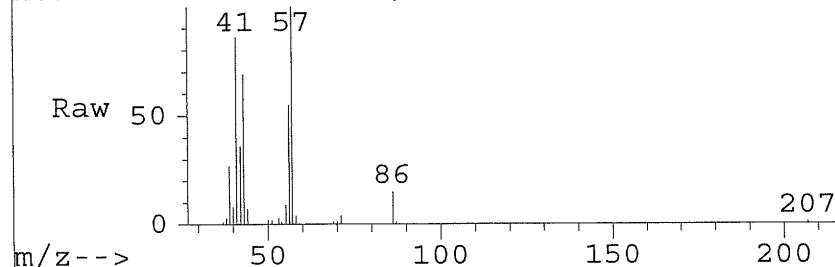
Tgt Ion:	73	Resp:	51912
Ion Ratio	Lower	Upper	
73	100		
57	0.0	19.4	29.1#
43	0.0	29.3	44.0#
0	0.0	0.0	0.0



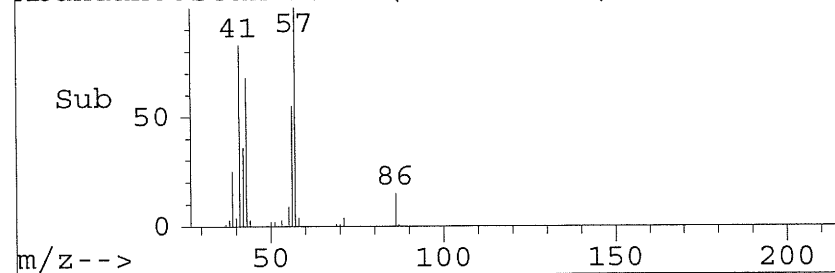
AbundanceScan 1346 (12.945 min): AD00002.D



AbundanceScan 1394 (13.438 min): AF00193.D



AbundanceScan 1394 (13.438 min): AF00193.D



#27

Hexane

Concen: 13.90 PPB

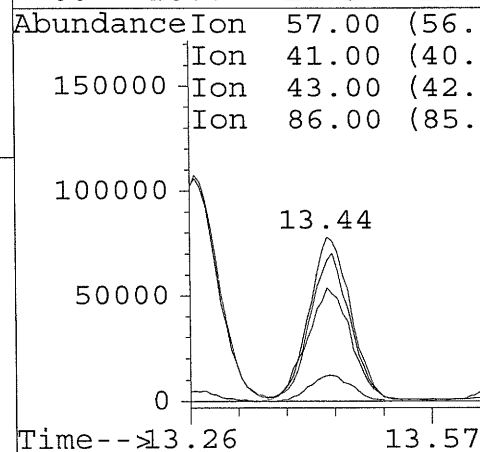
RT: 13.44 min Scan# 1394

Delta R.T. -0.03 min

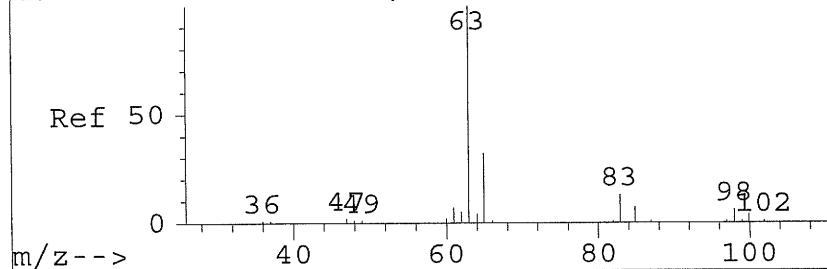
Lab File: AF00193.D

Acq: 14 Jun 05 9:17 am

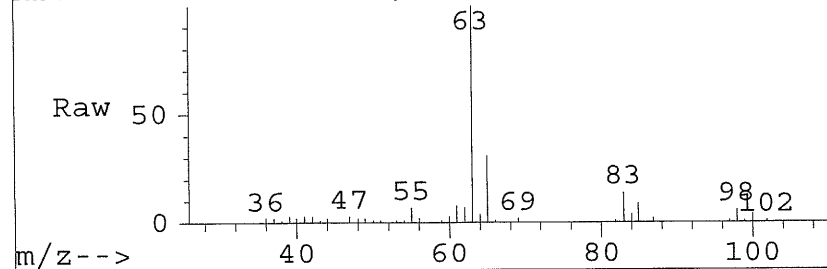
Tgt Ion:	57	Resp:	298923
Ion	Ratio	Lower	Upper
57	100		
41	86.2	86.0	128.9
43	68.1	63.8	95.7
86	15.6	10.5	15.8



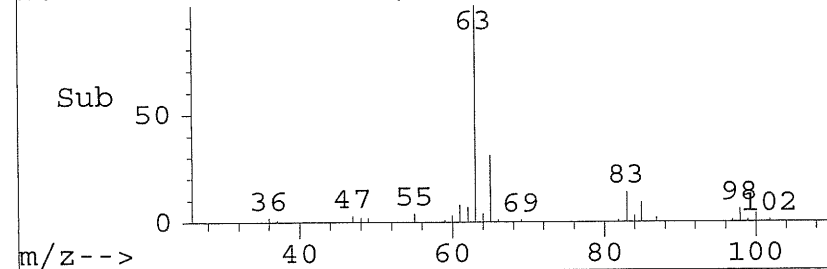
AbundanceScan 1344 (11.963 min): 0301003.D



AbundanceScan 1447 (13.793 min): AF00193.D



AbundanceScan 1447 (13.793 min): AF00193.D



#28

1,1-Dichloroethane

Concen: 22.32 PPB

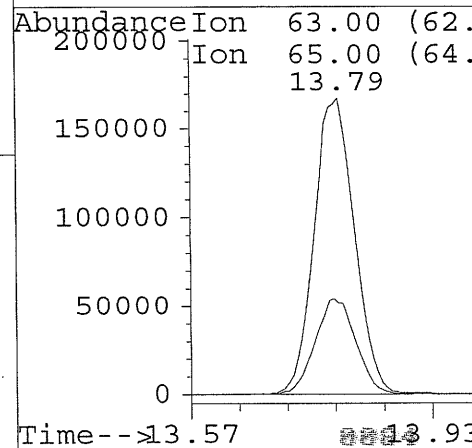
RT: 13.79 min Scan# 1447

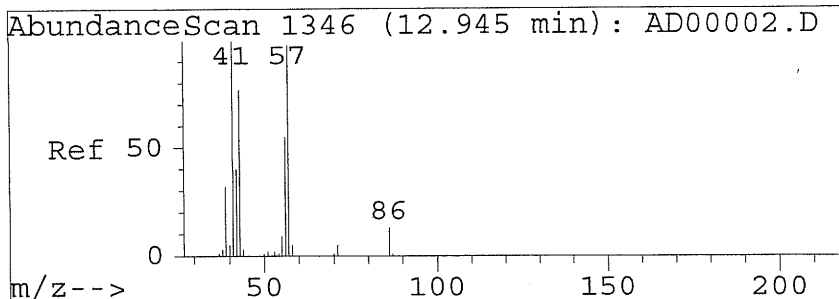
Delta R.T. 0.00 min

Lab File: AF00193.D

Acq: 14 Jun 05 9:17 am

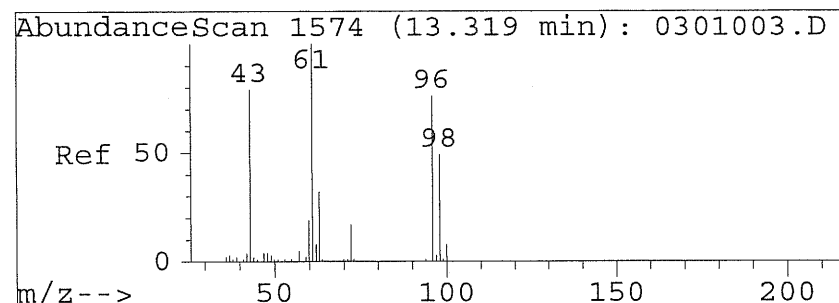
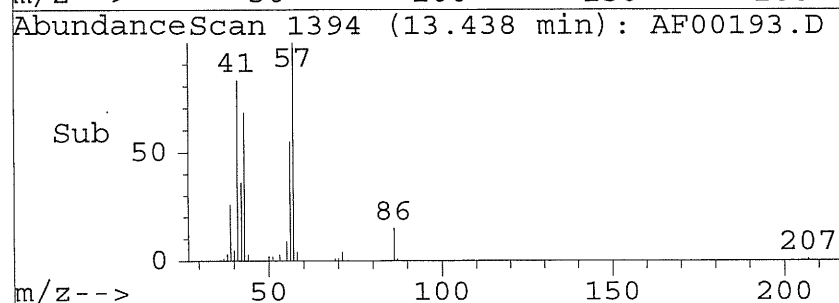
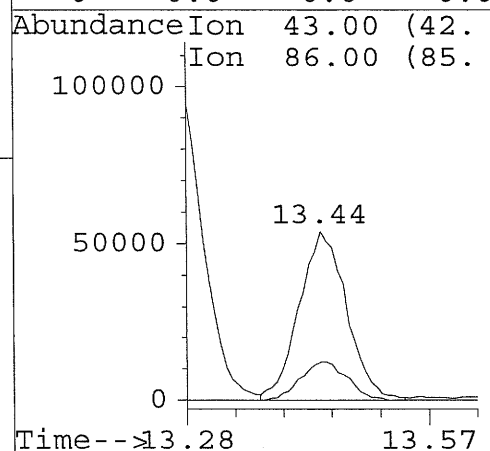
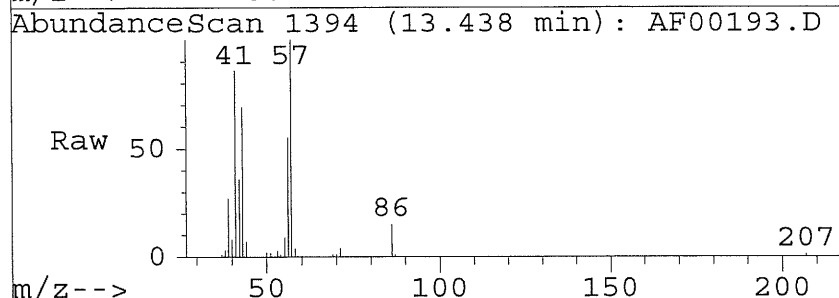
Tgt Ion:	63	Resp:	689713
Ion	Ratio	Lower	Upper
63	100		
65	32.6	11.9	51.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0





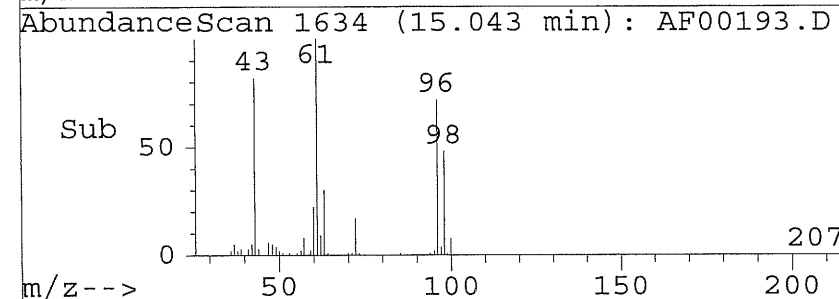
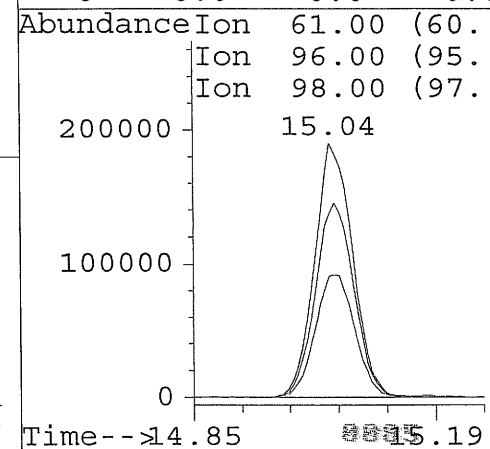
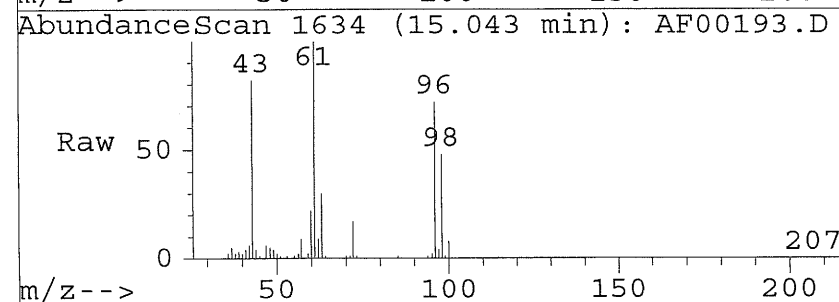
#29
 Vinyl Acetate
 Concen: 14.00 PPB m
 RT: 13.44 min Scan# 1394
 Delta R.T. -0.02 min
 Lab File: AF00193.D
 Acq: 14 Jun 05 9:17 am

Tgt Ion:43	Resp:	210381
Ion Ratio	Lower	Upper
43	100	
86	22.3	13.3 19.9#
0	0.0	0.0 0.0
0	0.0	0.0 0.0

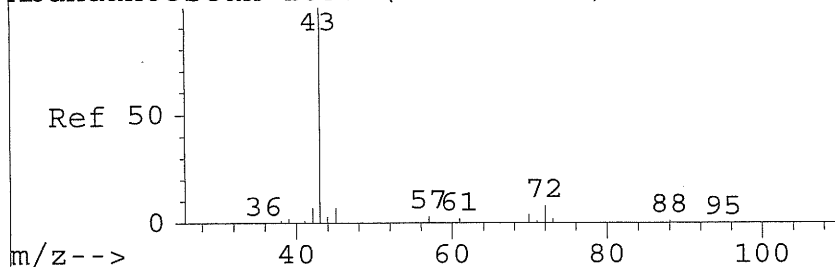


#30
 cis-1,2-Dichloroethene
 Concen: 31.03 PPB
 RT: 15.04 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: AF00193.D
 Acq: 14 Jun 05 9:17 am

Tgt Ion:61	Resp:	716223
Ion Ratio	Lower	Upper
61	100	
96	77.6	30.3 70.3#
98	50.1	11.4 51.4
0	0.0	0.0 0.0



AbundanceScan 1637 (14.891 min): AD00002.D



#31

2-Butanone

Concen: 56.94 PPB

RT: 15.08 min Scan# 1639

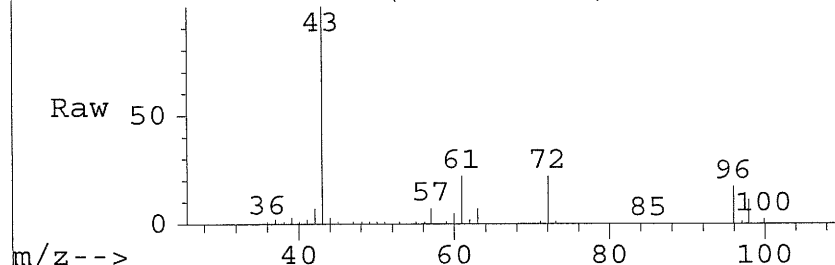
Delta R.T. -0.00 min

Lab File: AF00193.D

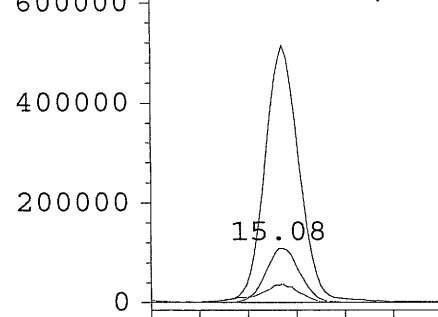
Acq: 14 Jun 05 9:17 am

Tgt Ion:	72	Resp:	421322
Ion	Ratio	Lower	Upper
72	100		
43	466.9	1057.3	1586.0#
57	41.4	30.7	46.0
0	0.0	0.0	0.0

AbundanceScan 1639 (15.076 min): AF00193.D

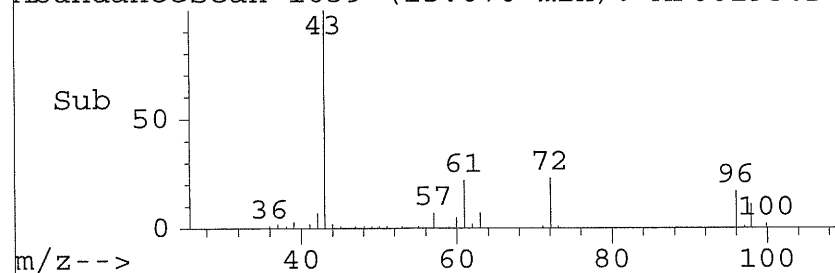


AbundanceIon 72.00 (71.
Ion 43.00 (42.
Ion 57.00 (56.

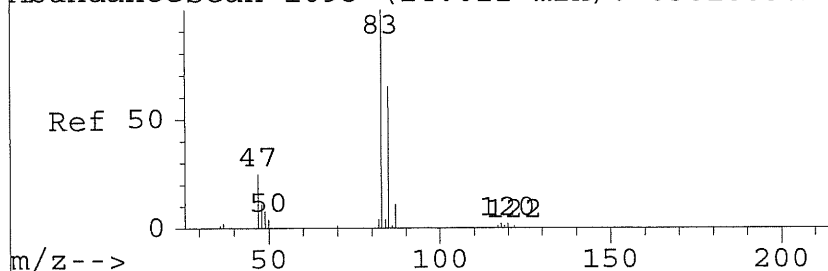


Time-->14.87 15.26

AbundanceScan 1639 (15.076 min): AF00193.D



AbundanceScan 1693 (14.022 min): 0301003.D



#34

Chloroform

Concen: 0.48 PPB

RT: 15.70 min Scan# 1733

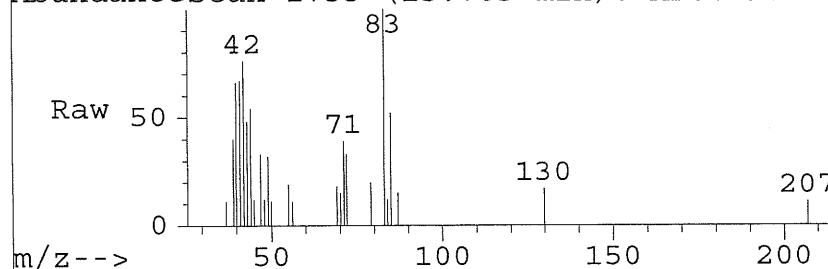
Delta R.T. 0.01 min

Lab File: AF00193.D

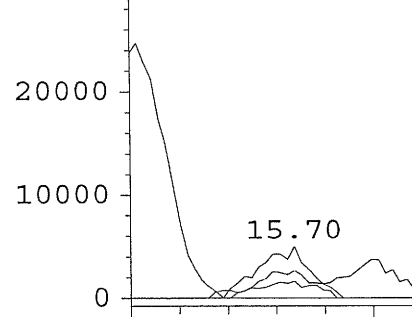
Acq: 14 Jun 05 9:17 am

Tgt Ion:	83	Resp:	16835
Ion	Ratio	Lower	Upper
83	100		
85	53.8	43.6	83.6
47	34.3	17.9	57.9
0	0.0	0.0	0.0

AbundanceScan 1733 (15.703 min): AF00193.D

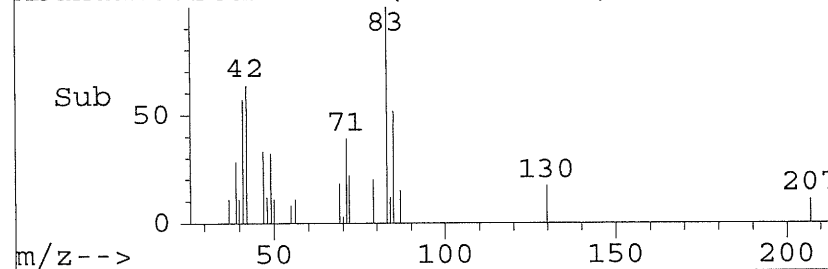


AbundanceIon 83.00 (82.
Ion 85.00 (84.
Ion 47.00 (46.

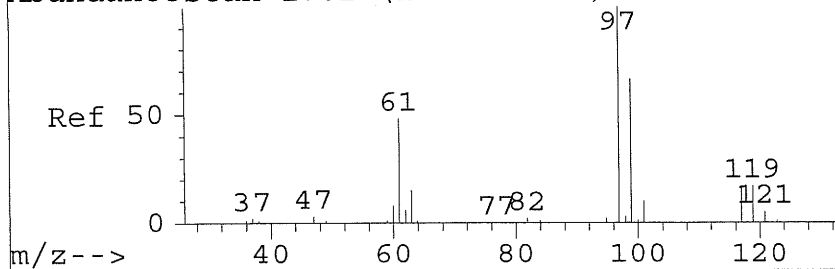


Time-->15.55 15.78

AbundanceScan 1733 (15.703 min): AF00193.D



AbundanceScan 1762 (14.429 min): 0301003.D



#35

1,1,1-Trichloroethane

Concen: 22.25 PPB

RT: 16.12 min Scan# 1795

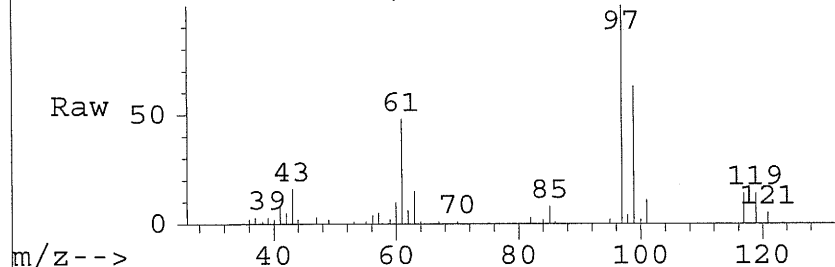
Delta R.T. 0.00 min

Lab File: AF00193.D

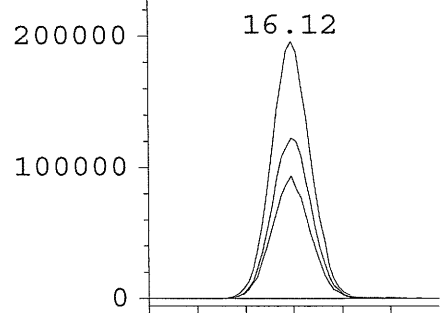
Acq: 14 Jun 05 9:17 am

Tgt Ion:	97	Resp:	746219
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.1	83.1
61	46.6	41.1	81.1
0	0.0	0.0	0.0

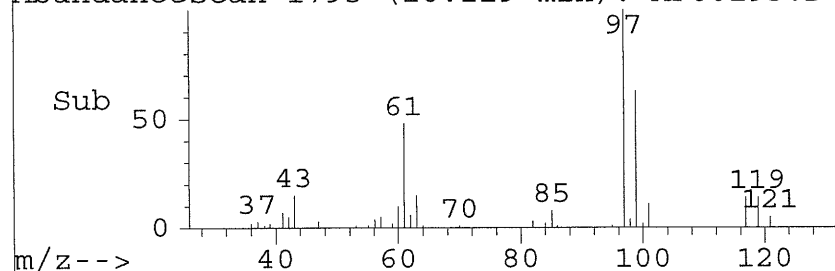
AbundanceScan 1795 (16.119 min): AF00193.D



AbundanceIon 97.00 (96.
Ion 99.00 (98.
Ion 61.00 (60.

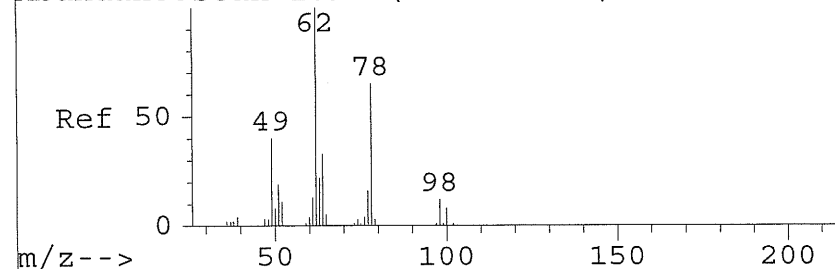


AbundanceScan 1795 (16.119 min): AF00193.D



Time-->15.92 16.26

AbundanceScan 1898 (15.232 min): 0301003.D



#38

1,2-Dichloroethane

Concen: 20.59 PPB

RT: 16.88 min Scan# 1910

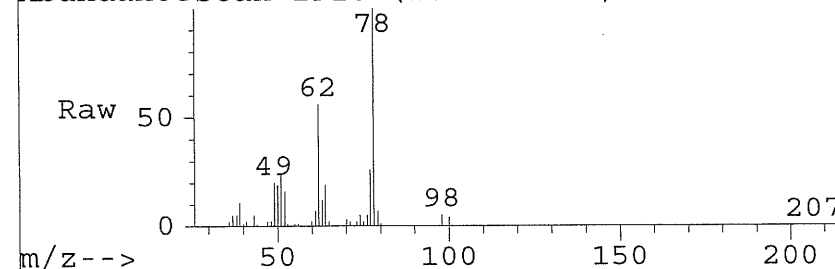
Delta R.T. 0.00 min

Lab File: AF00193.D

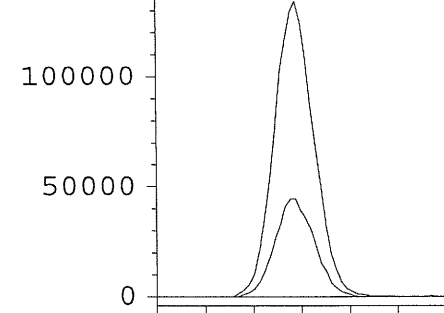
Acq: 14 Jun 05 9:17 am

Tgt Ion:	62	Resp:	480053
Ion	Ratio	Lower	Upper
62	100		
64	33.2	11.0	51.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

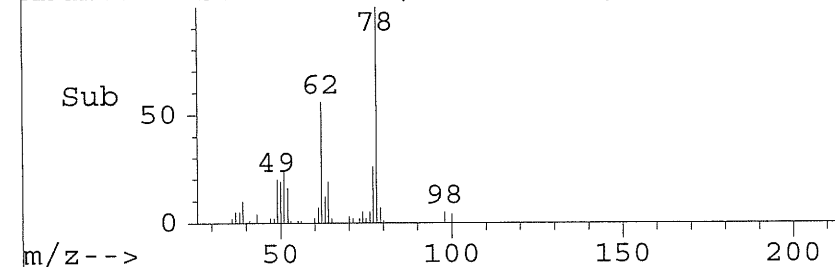
AbundanceScan 1910 (16.881 min): AF00193.D



AbundanceIon 62.00 (61.
Ion 64.00 (63.
16.88

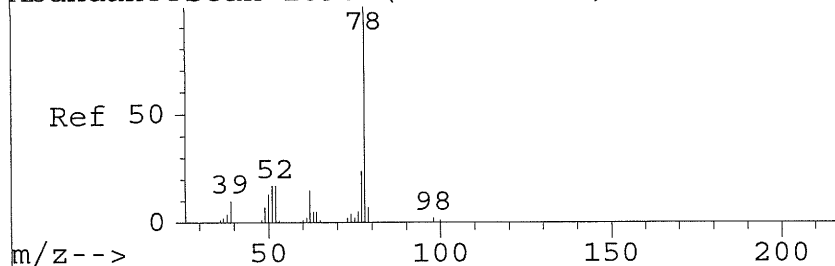


AbundanceScan 1910 (16.881 min): AF00193.D



Time-->16.70 17.01

AbundanceScan 1895 (15.214 min): 0301003.D



#39

Benzene

Concen: 21.94 PPB

RT: 16.87 min Scan# 1909

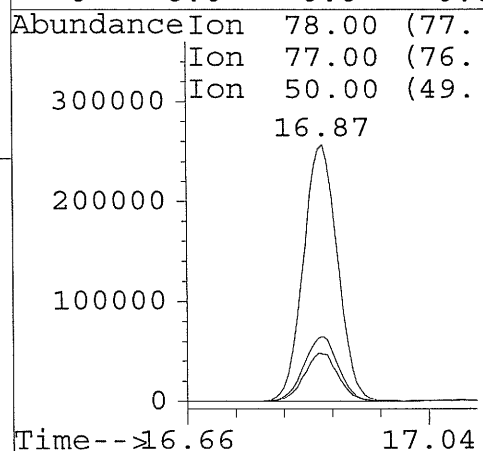
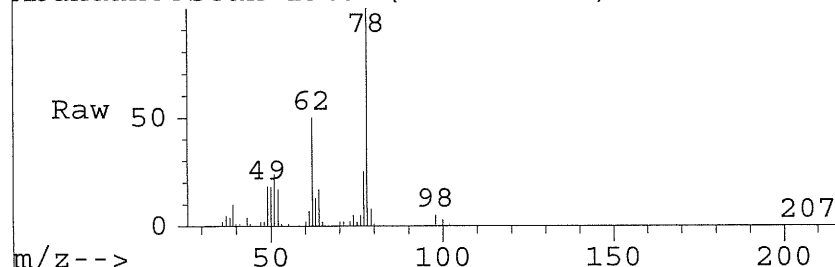
Delta R.T. 0.01 min

Lab File: AF00193.D

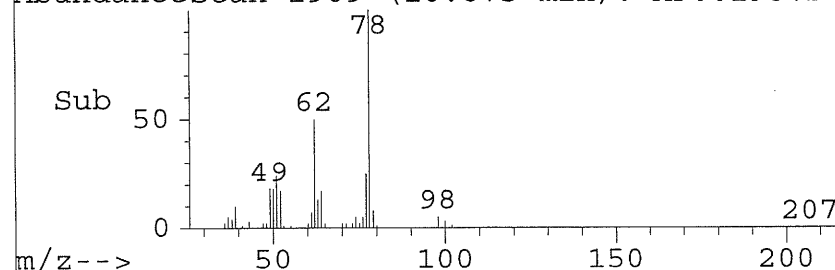
Acq: 14 Jun 05 9:17 am

Tgt Ion:	78	Resp:	950586
Ion	Ratio	Lower	Upper
78	100		
77	25.3	4.6	44.6
50	18.6	2.4	42.4
0	0.0	0.0	0.0

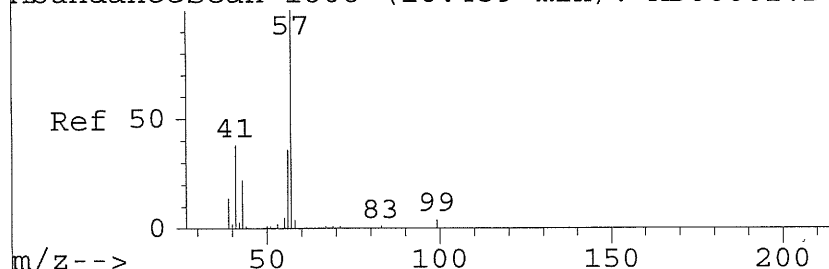
AbundanceScan 1909 (16.875 min): AF00193.D



AbundanceScan 1909 (16.875 min): AF00193.D



AbundanceScan 1868 (16.439 min): AD00002.D



#40

Isooctane

Concen: 1.12 PPB

RT: 16.99 min Scan# 1927

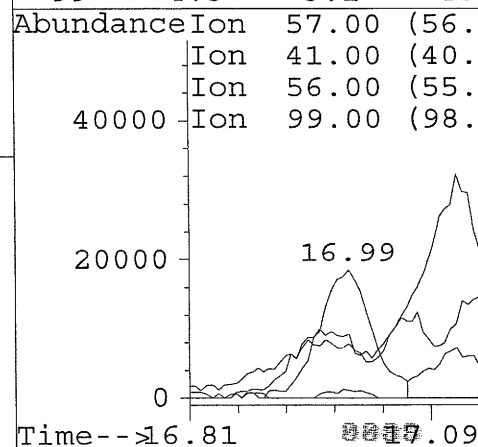
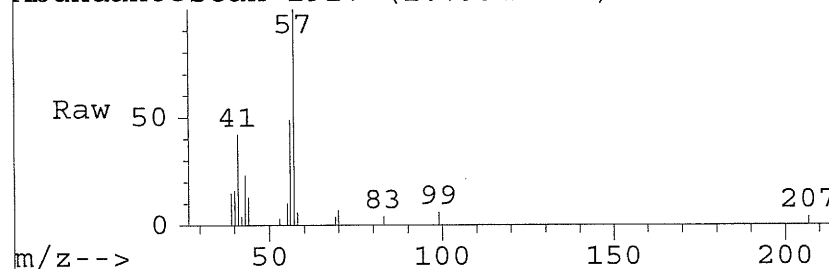
Delta R.T. 0.01 min

Lab File: AF00193.D

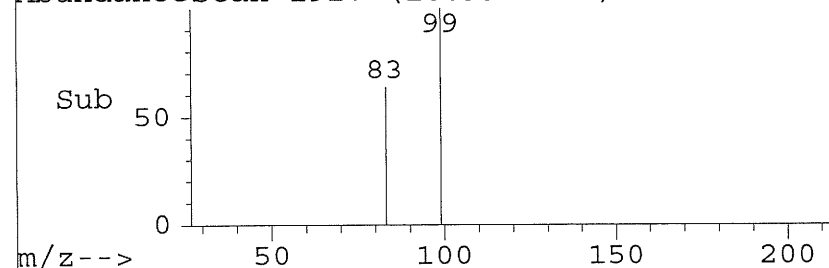
Acq: 14 Jun 05 9:17 am

Tgt Ion:	57	Resp:	79896
Ion	Ratio	Lower	Upper
57	100		
41	0.0	30.7	46.0#
56	0.0	28.4	42.5#
99	4.3	3.1	4.6

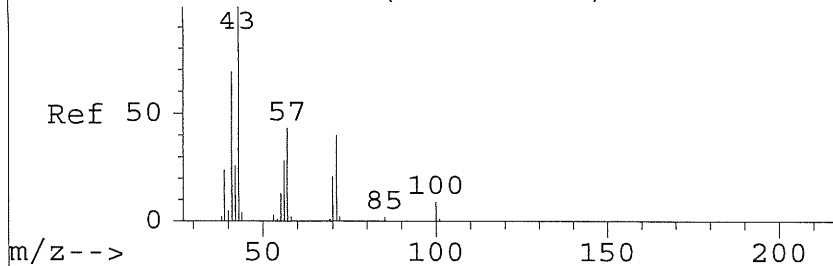
AbundanceScan 1927 (16.994 min): AF00193.D



AbundanceScan 1927 (16.994 min): AF00193.D



AbundanceScan 1919 (16.787 min): AD00002.D



#41

Heptane

Concen: 6.72 PPB

RT: 17.32 min Scan# 1975

Delta R.T. 0.01 min

Lab File: AF00193.D

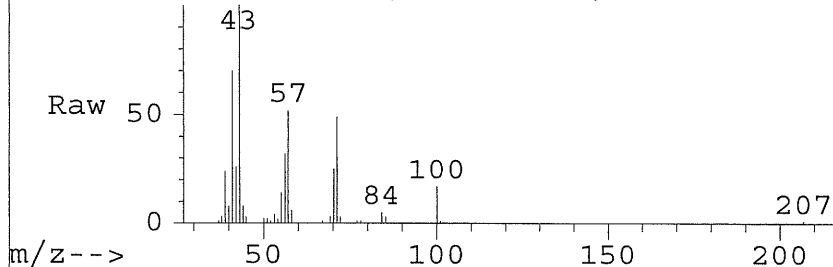
Acq: 14 Jun 05 9:17 am

Tgt Ion:43 Resp: 190050

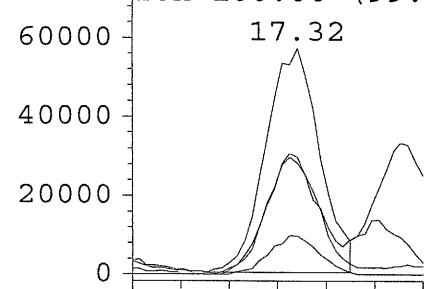
Ion Ratio Lower Upper

43	100		
57	52.8	33.3	50.0#
71	51.7	32.4	48.5#
100	15.9	8.1	12.2#

AbundanceScan 1975 (17.315 min): AF00193.D

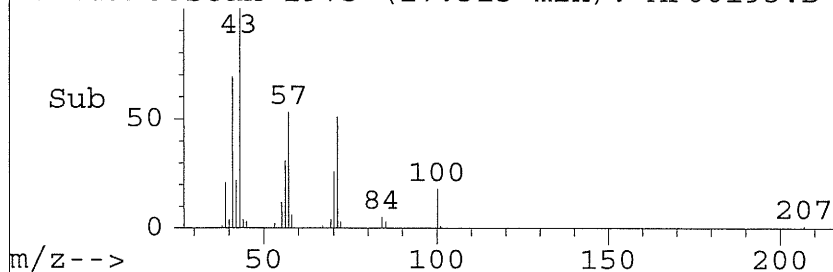


AbundanceIon 43.00 (42.
Ion 57.00 (56.
Ion 71.00 (70.
Ion 100.00 (99.

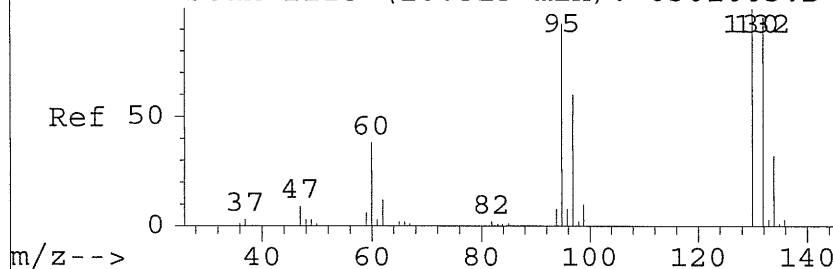


Time-->17.17 17.38

AbundanceScan 1975 (17.315 min): AF00193.D



AbundanceScan 2115 (16.513 min): 0301003.D



#42

Trichloroethene

Concen: 22.94 PPB

RT: 18.10 min Scan# 2092

Delta R.T. 0.00 min

Lab File: AF00193.D

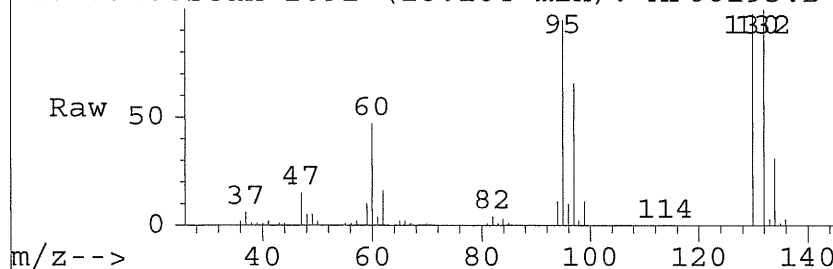
Acq: 14 Jun 05 9:17 am

Tgt Ion:130 Resp: 624253

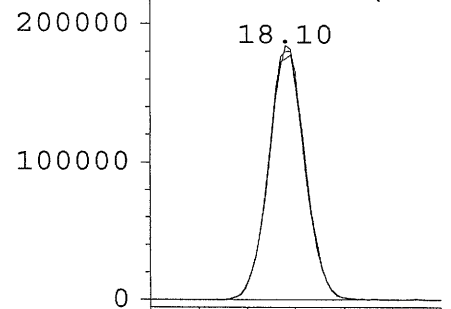
Ion Ratio Lower Upper

130	100		
132	99.4	78.7	118.7
95	98.0	101.4	141.4#
0	0.0	0.0	0.0

AbundanceScan 2092 (18.104 min): AF00193.D



AbundanceIon 130.00 (129
Ion 132.00 (131
Ion 95.00 (94.



Time-->17.92 18.25

AbundanceScan 2092 (18.104 min): AF00193.D

