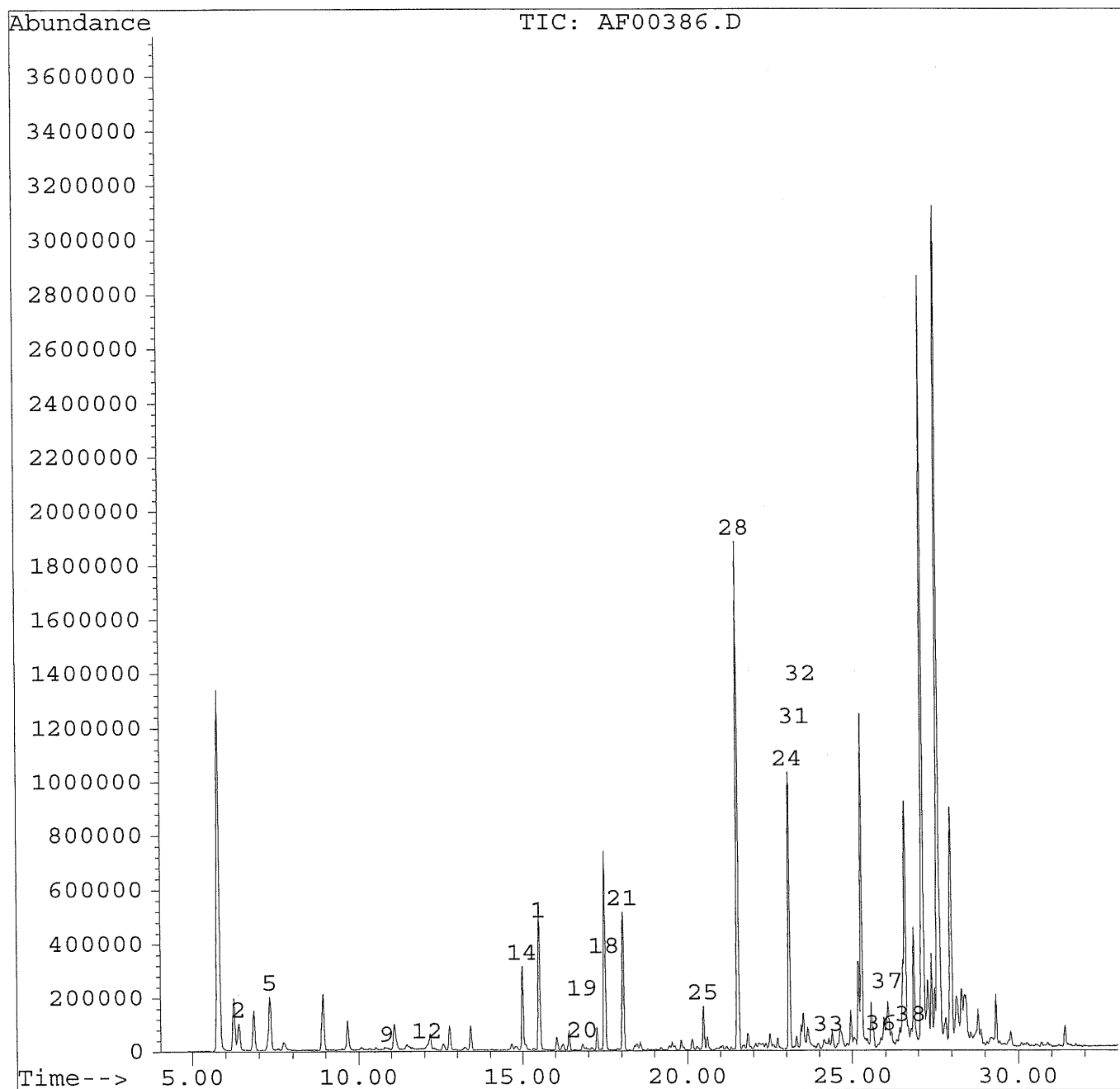


Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00386.D
Acq On : 23 Jun 05 3:35 am
Sample : 4545502 50CC
Misc :
Quant Time: Jun 27 10:12 2005

Vial: 24
Operator: JBS
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NON198.M
Title : TO14 SCAN METHOD
Last Update : Mon Jun 27 09:26:49 2005
Response via : Single Level Calibration



8537

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00386.D
 Acq On : 23 Jun 05 3:35 am
 Sample : 4545502 50CC
 Misc :
 Quant Time: Jun 27 10:12 2005

Vial: 24
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NON198.M
 Title : TO14 SCAN METHOD
 Last Update : Mon Jun 27 09:26:49 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Bromochloromethane	15.51	130	372181	10.00	PPB	-0.02
18) 1,4-Difluorobenzene	17.50	114	1125102	10.00	PPB	-0.02
24) Chlorobenzene d5	23.10	117	1146078	10.00	PPB	-0.02

System Monitoring Compounds %Recovery

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	6.38	85	11169	0.31	PPB	m 64
5) Vinyl Chloride	7.34	62	79841	7.04	PPB	97
9) 1,1-Dichloroethene	10.85	61	4499	0.23	PPB	m 49
12) Methylene Chloride	12.09	84	6299	0.62	PPB	89
14) cis-1,2-Dichloroethene	15.00	61	341217	22.47	PPB	79
19) 1,2-Dichloroethane	16.83	62	4540	0.28	PPB	# 54
20) Benzene	16.82	78	23816	0.85	PPB	98
21) Trichloroethene	18.05	130	323857	17.31	PPB	98
25) Toluene	20.48	91	212918	5.59	PPB	98
28) Tetrachloroethene	21.54	166	1034885	40.59	PPB	99
31) Ethylbenzene	23.32	91	51261	0.91	PPB	100
32) m/p-Xylene	23.52	91	139843	3.37	PPB	97
33) o-Xylene	24.29	91	39943	0.99	PPB	93
36) 4-Ethyltoluene	25.88	105	27630	0.47	PPB	97
37) 1,3,5-Trimethylbenzene	26.06	105	12004	0.25	PPB	87
38) 1,2,4-Trimethylbenzene	26.78	105	37841	0.77	PPB	92

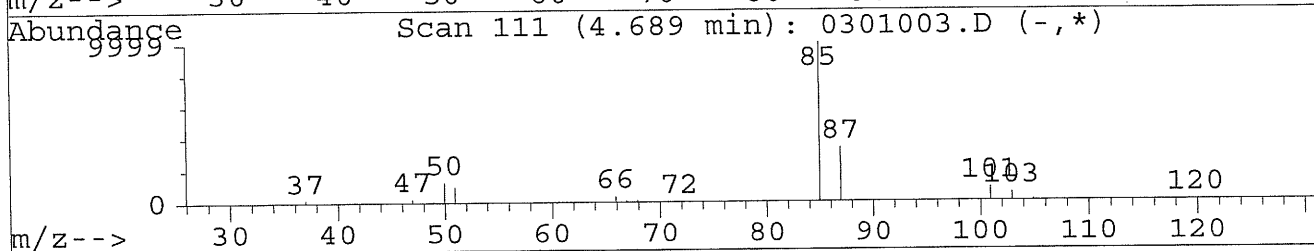
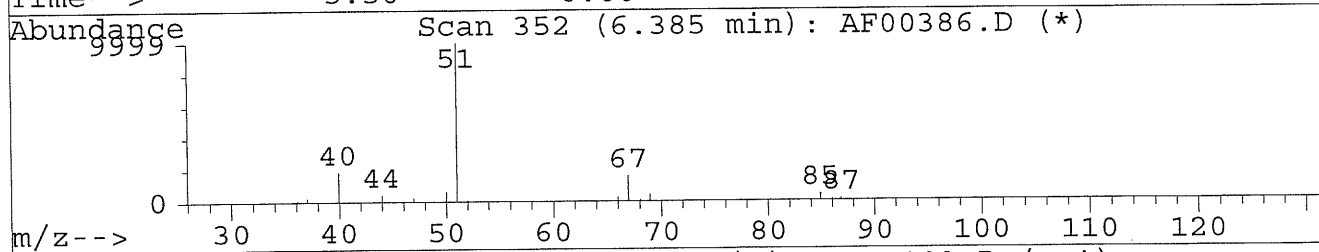
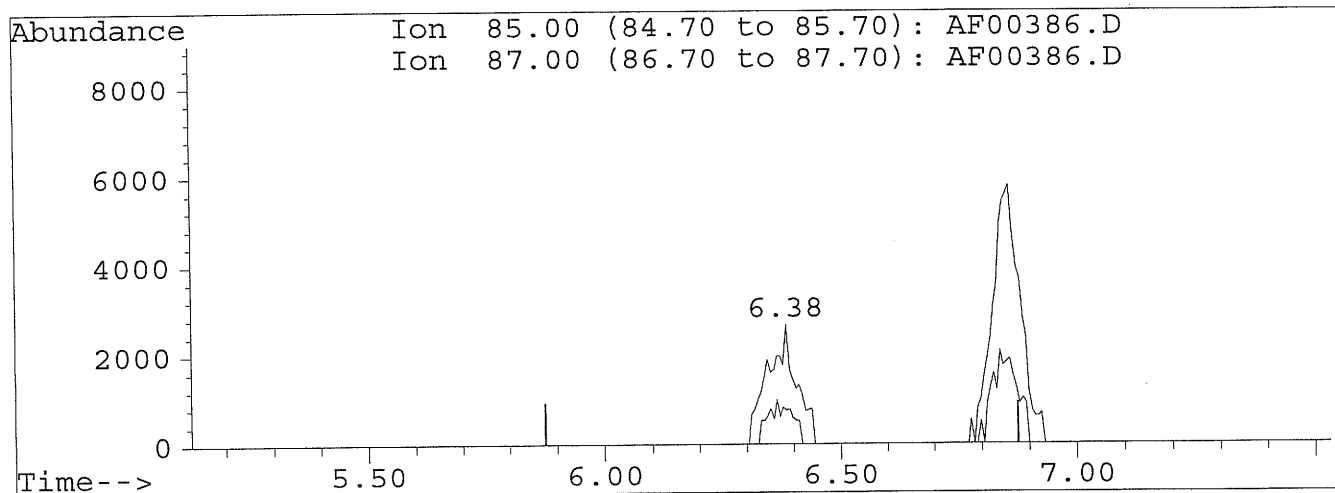
8538

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00386.D
Acq On : 23 Jun 05 3:35 am
Sample : 4545502 50CC
Misc :
Quant Time: Jun 27 10:10 2005

Vial: 24
Operator: JBS
Inst : HP4224
Multiplr: 1.00

```
Method       : C:\HPCHEM\1\METHODS\NON198.M
Title        : TO14 SCAN METHOD
Last Update   : Mon Jun 27 09:26:49 2005
Response via  : Single Level Calibration
```



TIC: AF00386.D

(2) Dichlorodifluoromethane

6.38min 0.31PPB m

```
response      11169
```

Ion	Exp%	Act%
85.00	100	100
87.00	32.80	33.52
0.00	0.00	0.00
0.00	0.00	0.00

Sprint Bank
APR 12 2015
62705

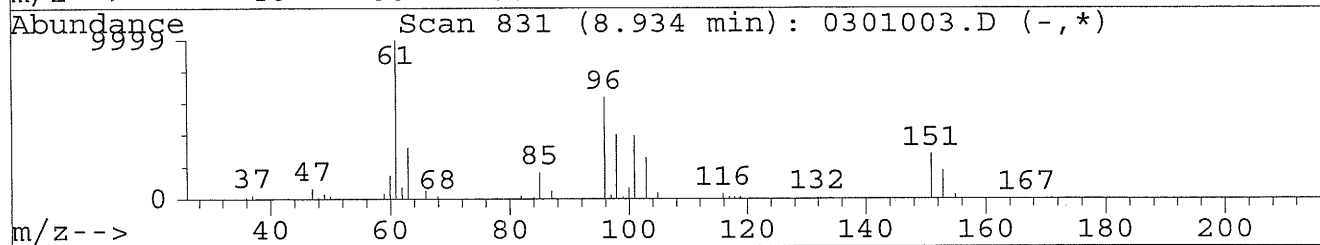
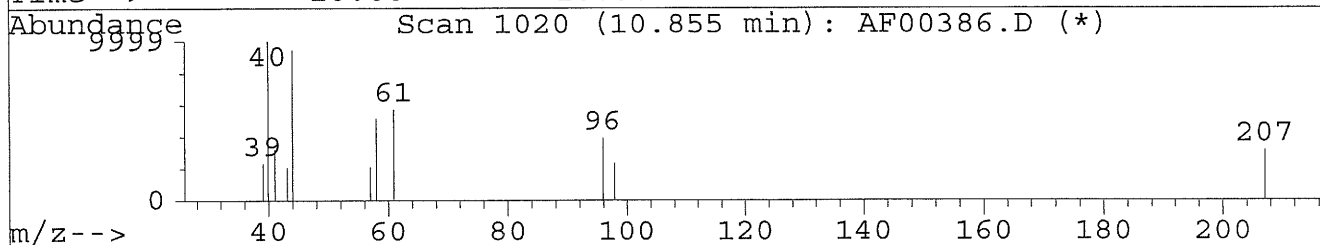
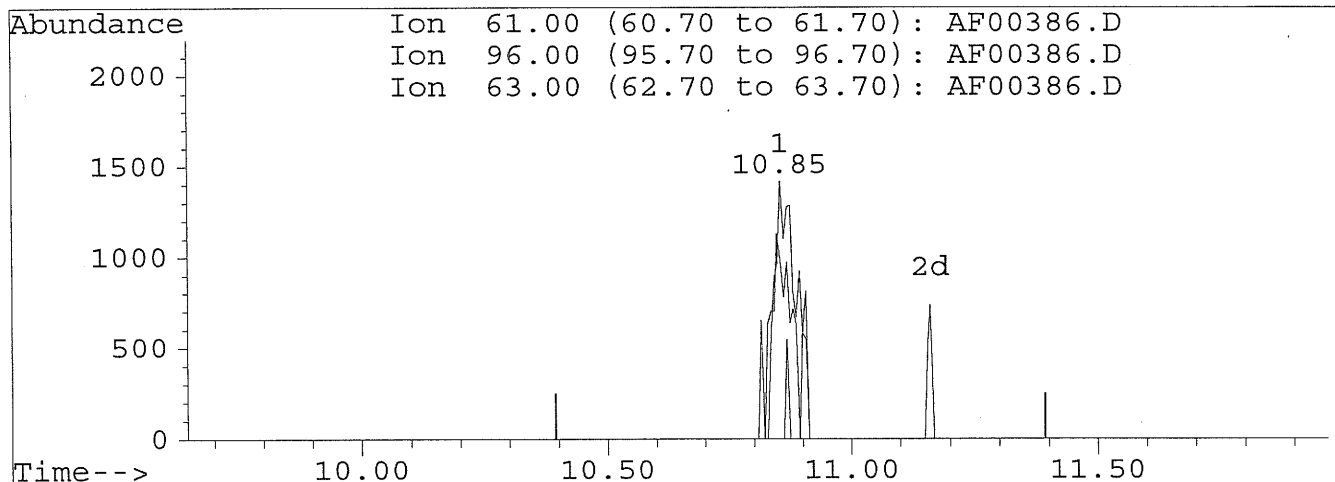
6m 73
10/10/00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00386.D
 Acq On : 23 Jun 05 3:35 am
 Sample : 4545502 50CC
 Misc :
 Quant Time: Jun 27 10:11 2005

Vial: 24
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NON198.M
 Title : TO14 SCAN METHOD
 Last Update : Mon Jun 27 09:26:49 2005
 Response via : Single Level Calibration



TIC: AF00386.D

(9) 1,1-Dichloroethene

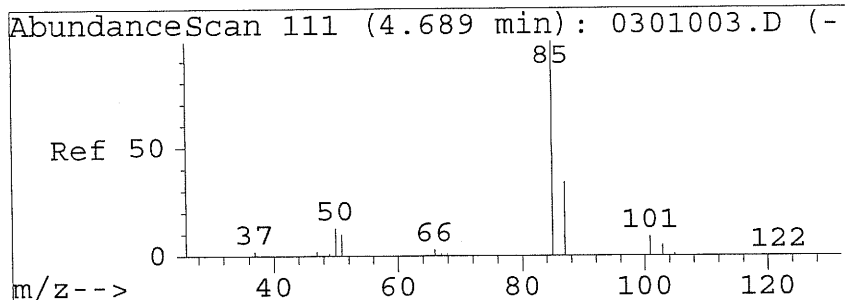
10.85min 0.23PPB m

response 4499

Ion	Exp%	Act%
61.00	100	100
96.00	55.00	63.78
63.00	32.20	32.13
0.00	0.00	0.00

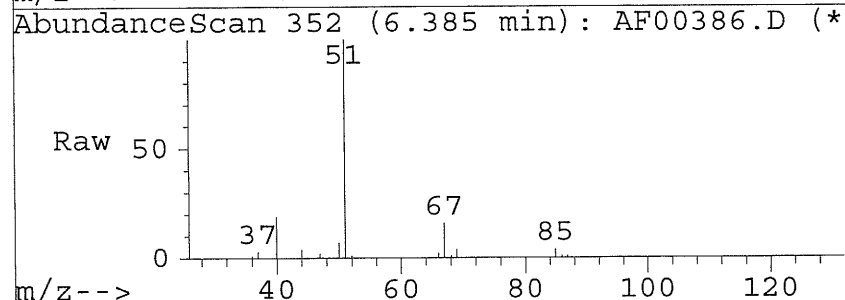
*Scan 2 peak
 10.85
 62705*

*from 73
 01/01/06 0548*

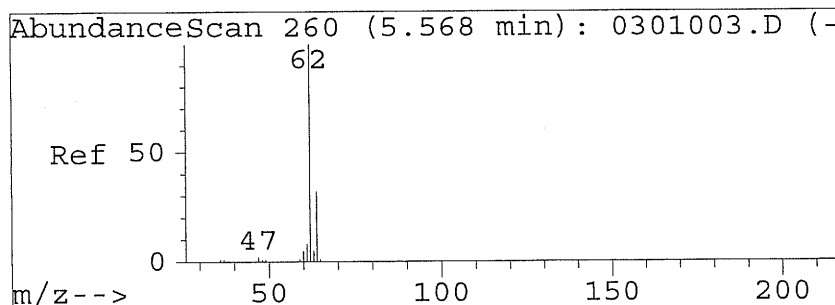
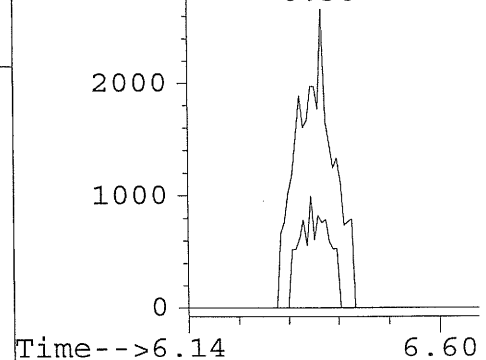
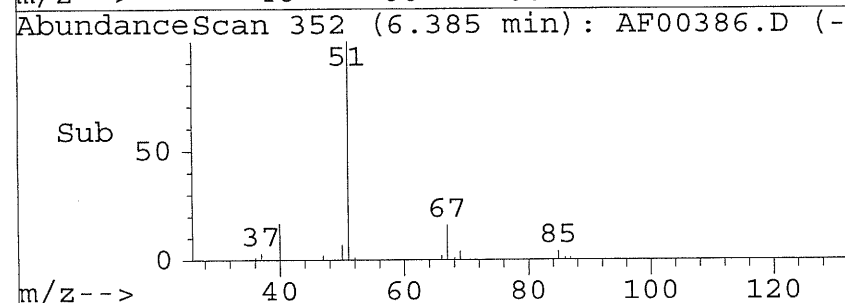


#2
 Dichlorodifluoromethane
 Concen: 0.31 PPB m
 RT: 6.38 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: AF00386.D
 Acq: 23 Jun 05 3:35 am

Tgt	Ion:85	Resp:	11169
Ion	Ratio	Lower	Upper
85	100		
87	33.5	12.8	52.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

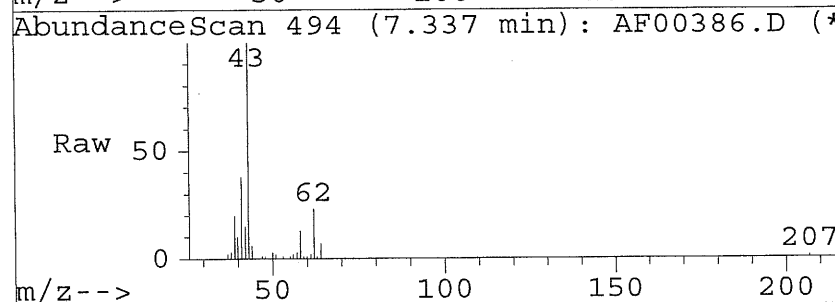


AbundanceIon 85.00 (84.
 3000 Ion 87.00 (86.
 6.38

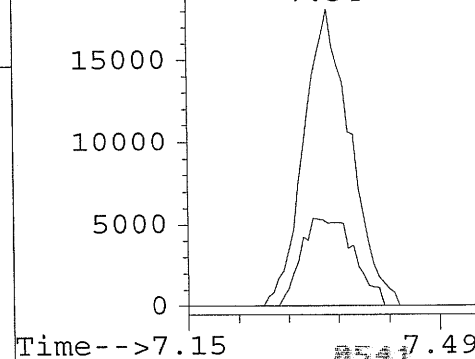
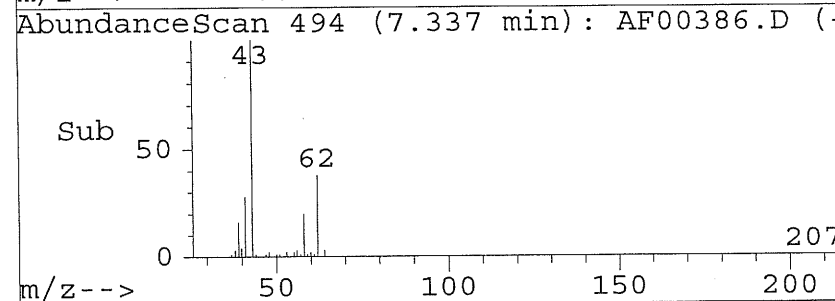


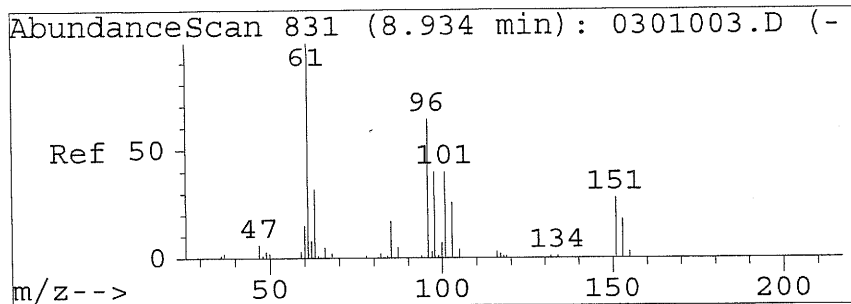
#5
 Vinyl Chloride
 Concen: 7.04 PPB
 RT: 7.34 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: AF00386.D
 Acq: 23 Jun 05 3:35 am

Tgt Ion:62	Resp:	79841
Ion Ratio	Lower	Upper
62 100		
64 33.7	12.2	52.2
0 0.0	0.0	0.0
0 0.0	0.0	0.0



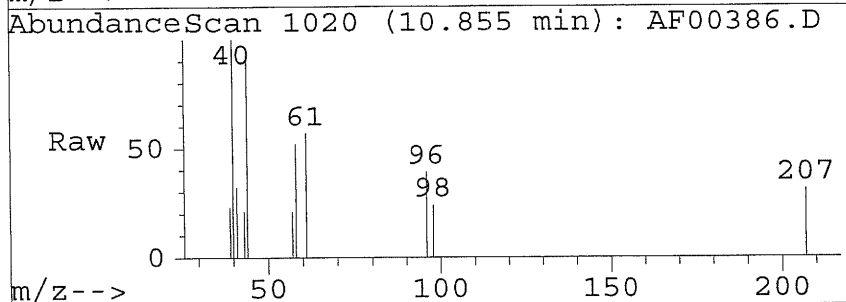
AbundanceIon 62.00 (61.
 20000 Ion 64.00 (63.
 7.34



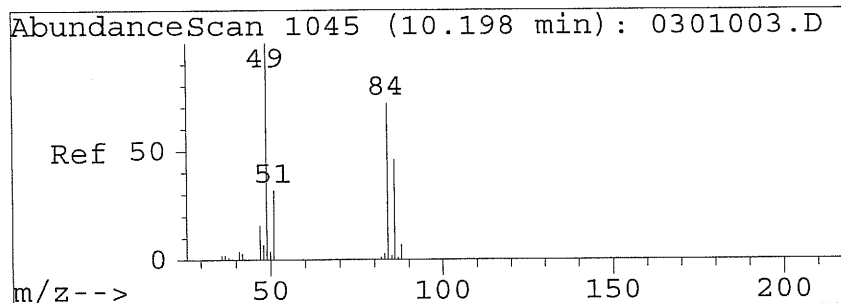
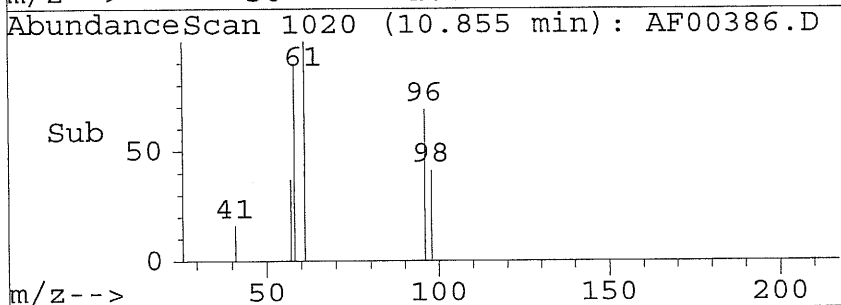
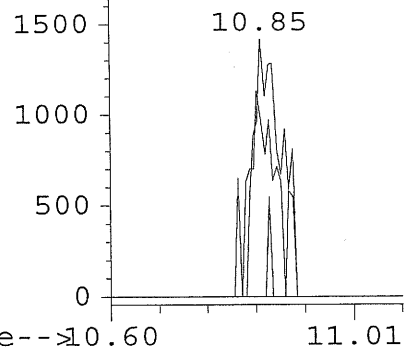


#9
1,1-Dichloroethene
Concen: 0.23 PPB m
RT: 10.85 min Scan# 1020
Delta R.T. -0.04 min
Lab File: AF00386.D
Acq: 23 Jun 05 3:35 am

Tgt Ion:	61	Resp:	4499
Ion	Ratio	Lower	Upper
61	100		
96	63.8	35.0	75.0
63	32.1	12.2	52.2
0	0.0	0.0	0.0

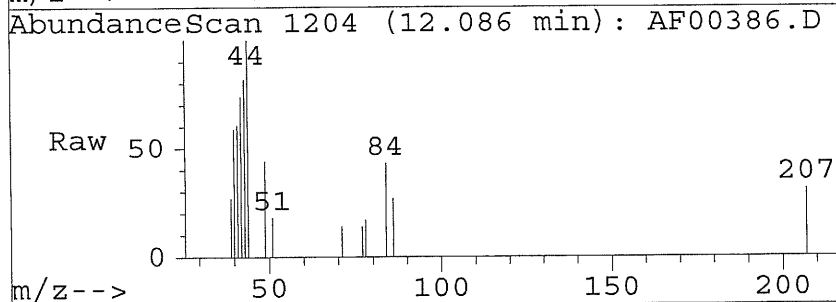


Abundance	Ion	61.00	(60.
	Ion	96.00	(95.
	Ion	63.00	(62.

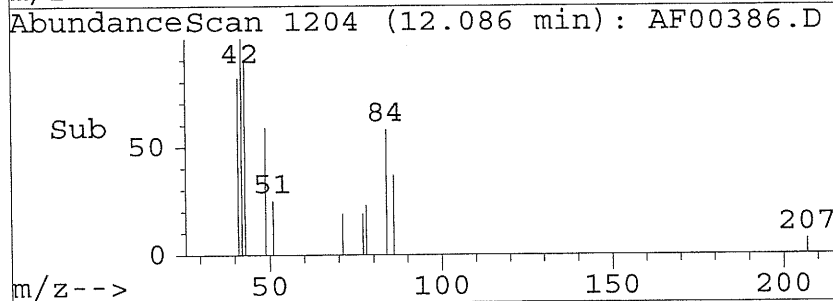
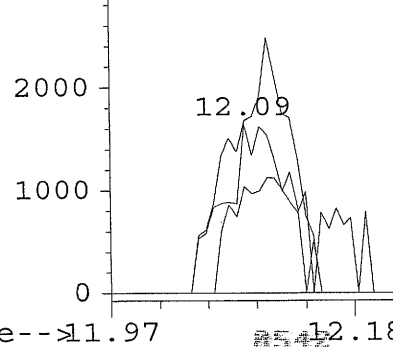


#12
Methylene Chloride
Concen: 0.62 PPB
RT: 12.09 min Scan# 1204
Delta R.T. -0.04 min
Lab File: AF00386.D
Acq: 23 Jun 05 3:35 am

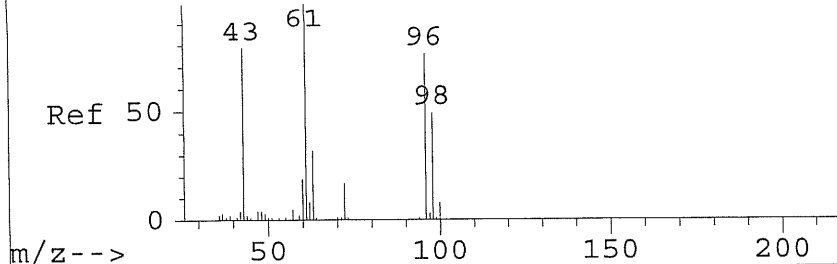
Tgt Ion:	84	Resp:	6299
Ion	Ratio	Lower	Upper
84	100		
86	71.4	43.8	83.8
49	143.4	139.0	179.0
0	0.0	0.0	0.0



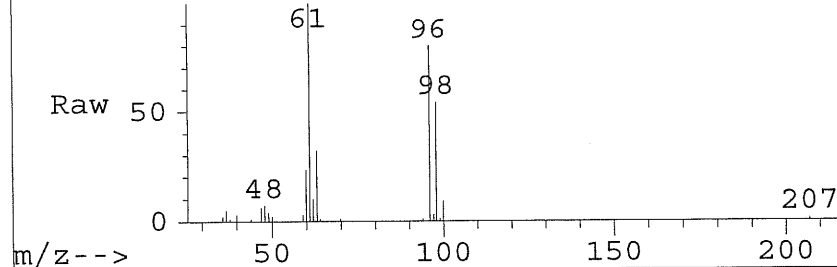
Abundance	Ion	84.00	(83.
	Ion	86.00	(85.
	Ion	49.00	(48.



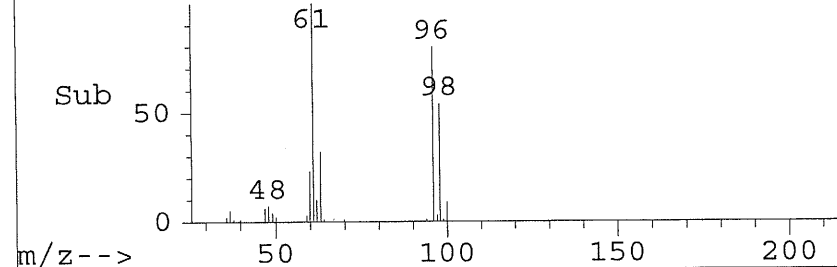
AbundanceScan 1574 (13.319 min): 0301003.D



AbundanceScan 1641 (14.998 min): AF00386.D



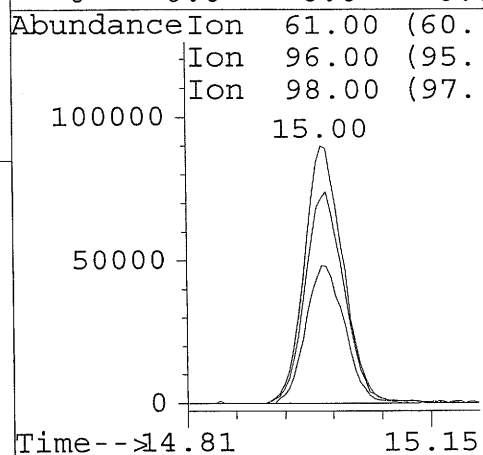
AbundanceScan 1641 (14.998 min): AF00386.D



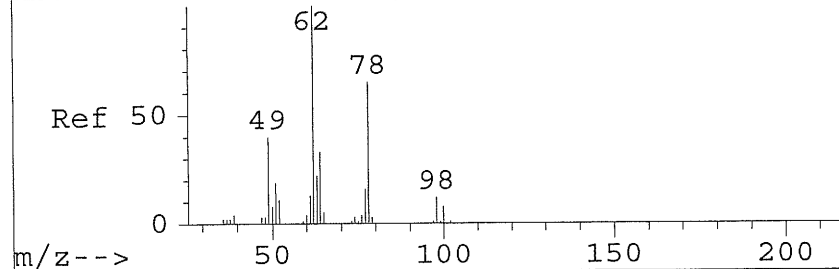
#14

cis-1,2-Dichloroethene
Concen: 22.47 PPB
RT: 15.00 min Scan# 1641
Delta R.T. -0.03 min
Lab File: AF00386.D
Acq: 23 Jun 05 3:35 am

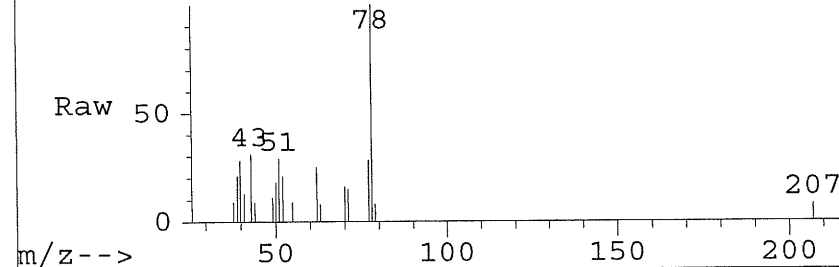
Tgt Ion:	61	Resp:	341217
Ion	Ratio	Lower	Upper
61	100		
96	82.8	45.5	85.5
98	53.9	21.9	61.9
0	0.0	0.0	0.0



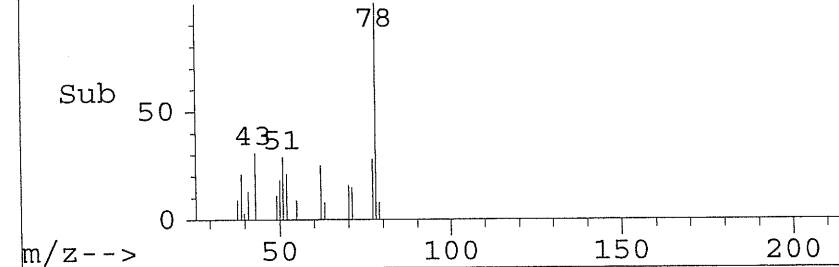
AbundanceScan 1898 (15.232 min): 0301003.D



AbundanceScan 1915 (16.826 min): AF00386.D



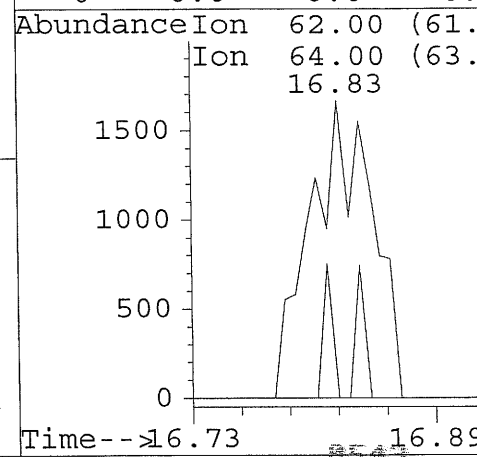
AbundanceScan 1915 (16.826 min): AF00386.D



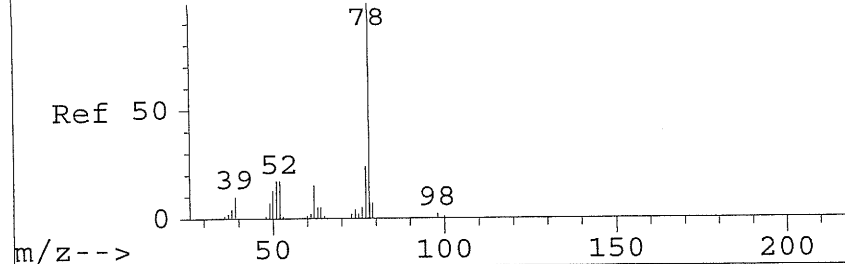
#19

1,2-Dichloroethane
Concen: 0.28 PPB
RT: 16.83 min Scan# 1915
Delta R.T. -0.02 min
Lab File: AF00386.D
Acq: 23 Jun 05 3:35 am

Tgt Ion:	62	Resp:	4540
Ion	Ratio	Lower	Upper
62	100		
64	6.8	12.7	52.7#
0	0.0	0.0	0.0
0	0.0	0.0	0.0



AbundanceScan 1895 (15.214 min): 0301003.D



#20

Benzene

Concen: 0.85 PPB

RT: 16.82 min Scan# 1914

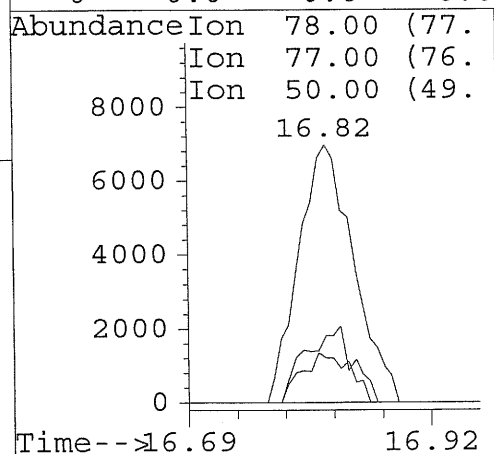
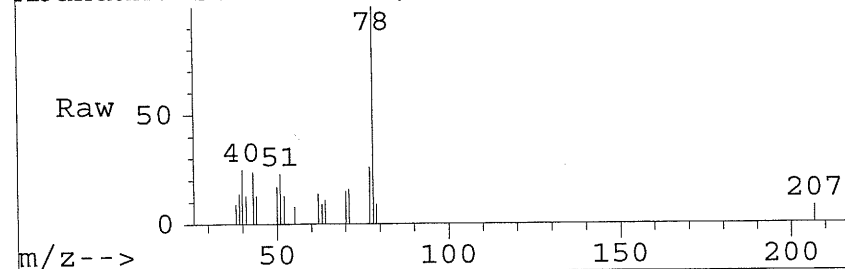
Delta R.T. -0.03 min

Lab File: AF00386.D

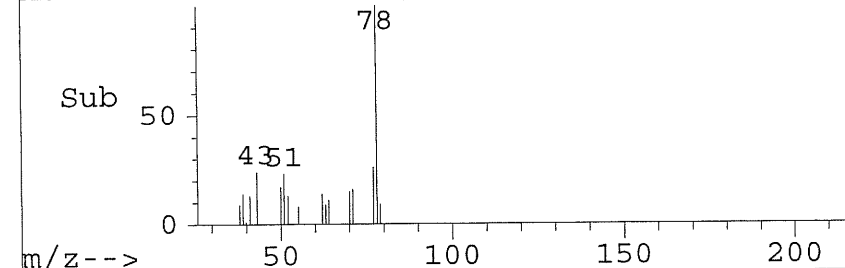
Acq: 23 Jun 05 3:35 am

Tgt Ion:	78	Resp:	23816
Ion	Ratio	Lower	Upper
78	100		
77	25.6	4.0	44.0
50	16.8	0.0	36.7
0	0.0	0.0	0.0

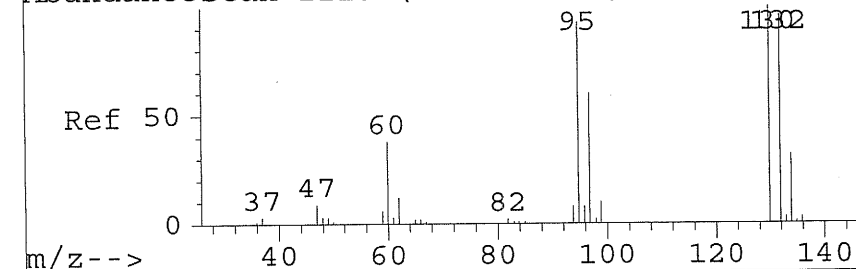
AbundanceScan 1914 (16.819 min): AF00386.D



AbundanceScan 1914 (16.819 min): AF00386.D



AbundanceScan 2115 (16.513 min): 0301003.D



#21

Trichloroethene

Concen: 17.31 PPB

RT: 18.05 min Scan# 2096

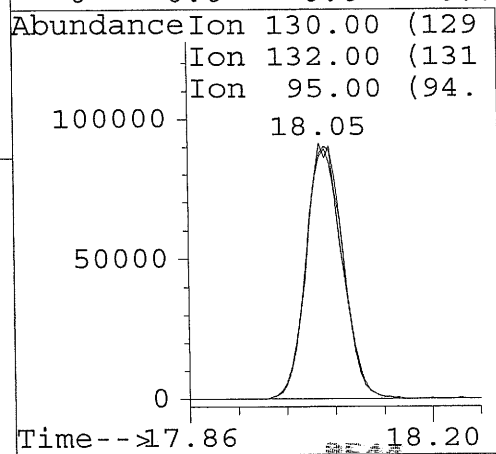
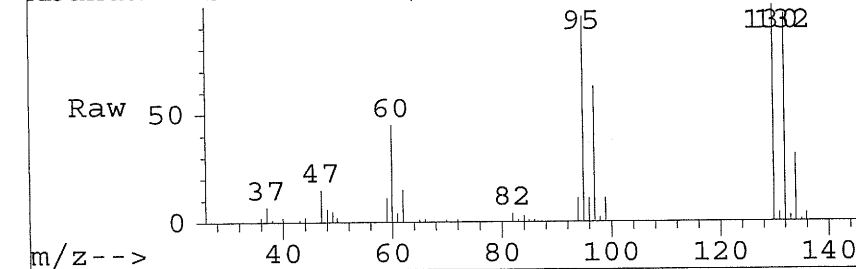
Delta R.T. -0.03 min

Lab File: AF00386.D

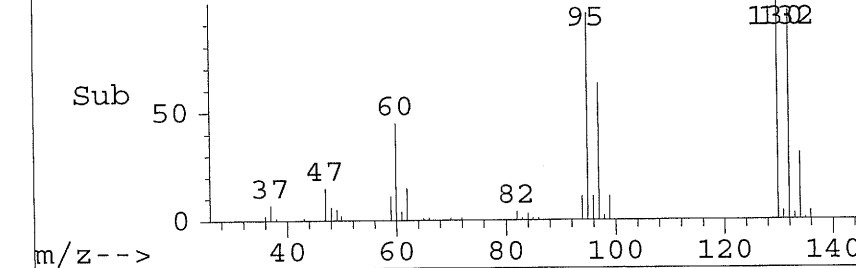
Acq: 23 Jun 05 3:35 am

Tgt Ion:	130	Resp:	323857
Ion	Ratio	Lower	Upper
130	100		
132	97.3	76.4	116.4
95	94.9	72.6	112.6
0	0.0	0.0	0.0

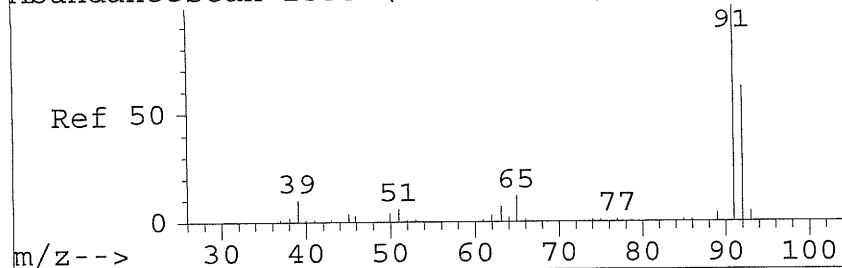
AbundanceScan 2096 (18.046 min): AF00386.D



AbundanceScan 2096 (18.046 min): AF00386.D



AbundanceScan 2535 (18.992 min): 0301003.D



#25

Toluene

Concen: 5.59 PPB

RT: 20.48 min Scan# 2458

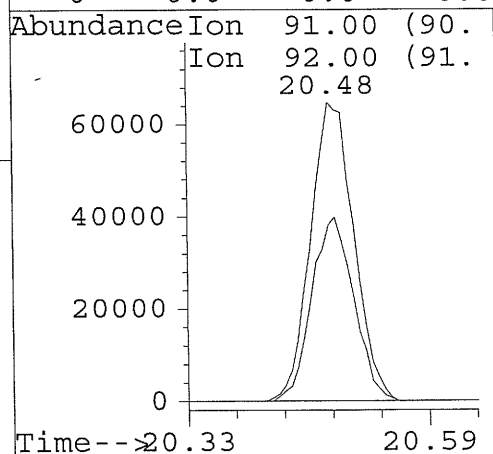
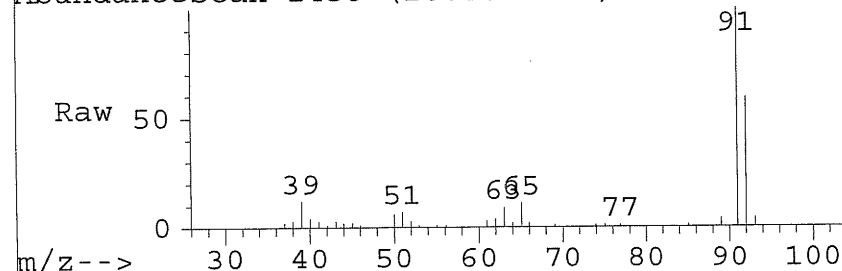
Delta R.T. -0.03 min

Lab File: AF00386.D

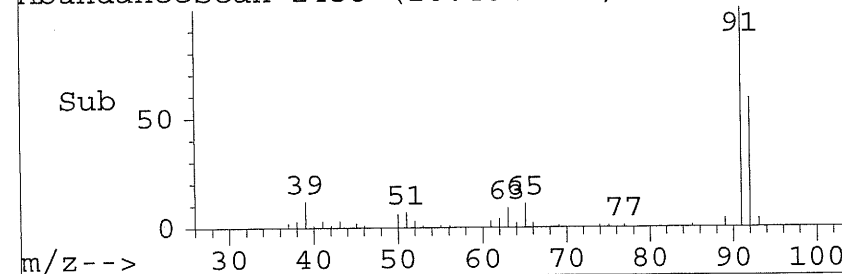
Acq: 23 Jun 05 3:35 am

Tgt Ion:91	Resp: 212918
Ion Ratio	Lower Upper
91 100	
92 59.8	41.7 81.7
0 0.0	0.0 0.0
0 0.0	0.0 0.0

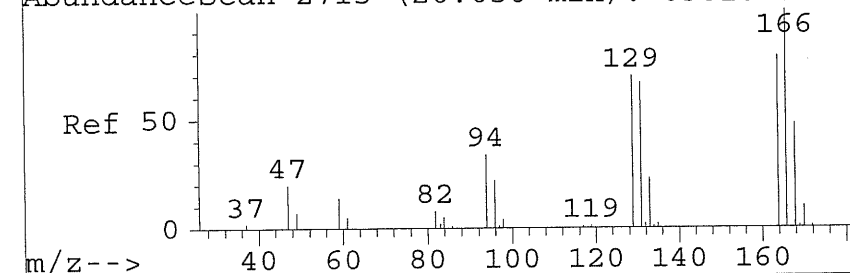
AbundanceScan 2458 (20.484 min): AF00386.D



AbundanceScan 2458 (20.484 min): AF00386.D



AbundanceScan 2715 (20.056 min): 0301003.D



#28

Tetrachloroethene

Concen: 40.59 PPB

RT: 21.54 min Scan# 2614

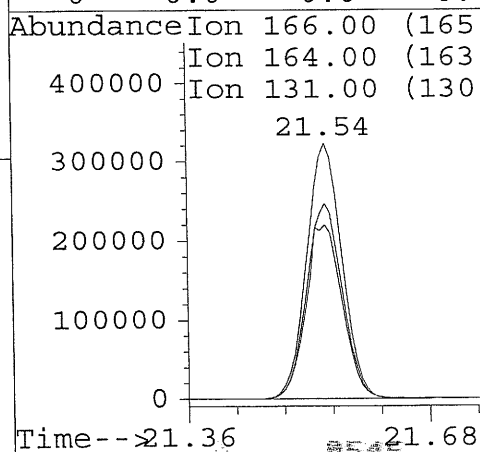
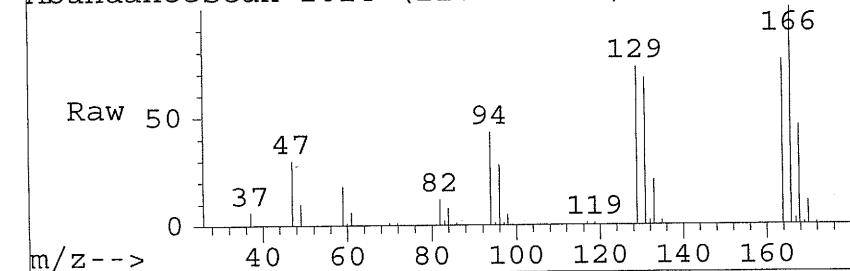
Delta R.T. -0.02 min

Lab File: AF00386.D

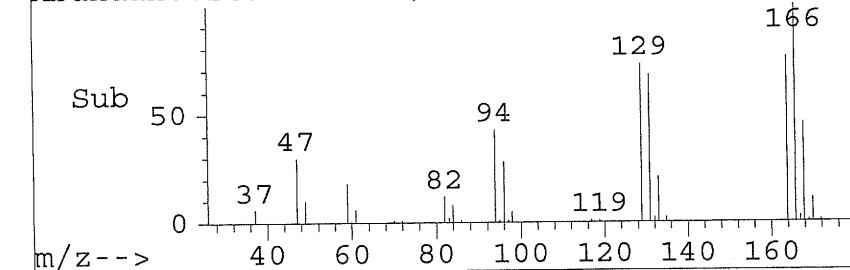
Acq: 23 Jun 05 3:35 am

Tgt Ion:166	Resp: 1034885
Ion Ratio	Lower Upper
166 100	
164 77.4	58.8 98.8
131 70.2	49.2 89.2
0 0.0	0.0 0.0

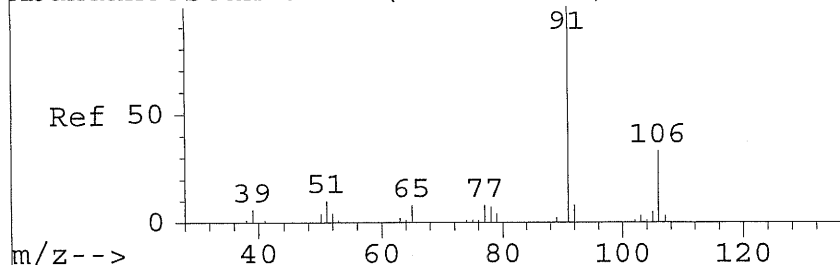
AbundanceScan 2614 (21.539 min): AF00386.D



AbundanceScan 2614 (21.539 min): AF00386.D



AbundanceScan 3018 (21.845 min): 0301003.D



#31

Ethylbenzene

Concen: 0.91 PPB

RT: 23.32 min Scan# 2879

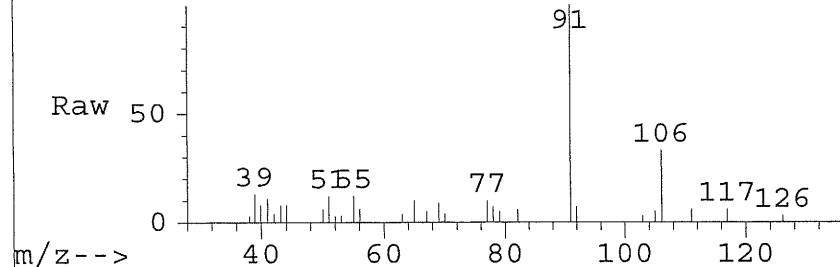
Delta R.T. -0.02 min

Lab File: AF00386.D

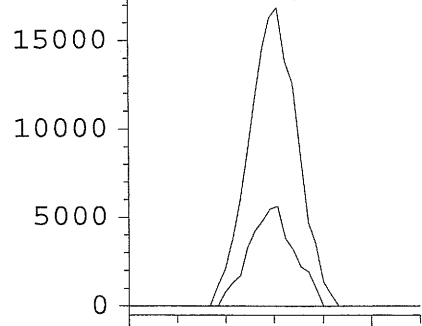
Acq: 23 Jun 05 3:35 am

Tgt Ion:	91	Resp:	51261
Ion	Ratio	Lower	Upper
91	100		
106	31.1	11.4	51.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

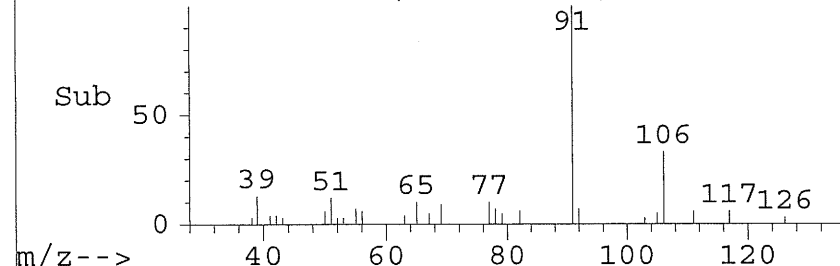
AbundanceScan 2879 (23.316 min): AF00386.D



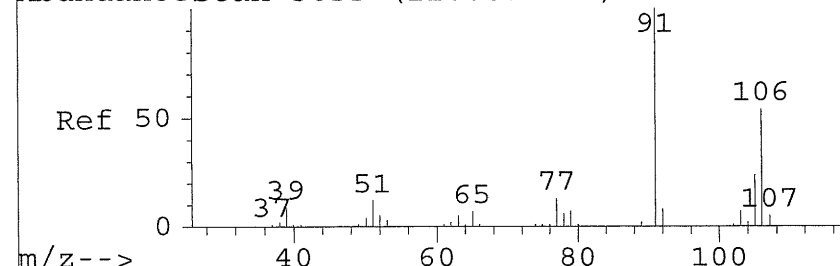
AbundanceIon 91.00 (90.00)
Ion 106.00 (105.00)
23.32



AbundanceScan 2879 (23.316 min): AF00386.D



AbundanceScan 3055 (22.064 min): 0301003.D



#32

m/p-Xylene

Concen: 3.37 PPB

RT: 23.52 min Scan# 2909

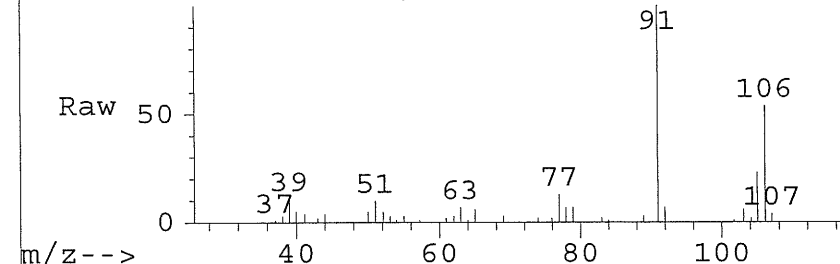
Delta R.T. -0.02 min

Lab File: AF00386.D

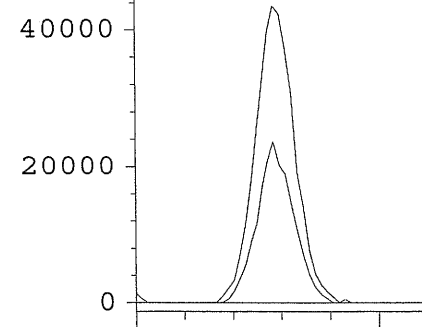
Acq: 23 Jun 05 3:35 am

Tgt Ion:	91	Resp:	139843
Ion	Ratio	Lower	Upper
91	100		
106	49.9	32.1	72.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

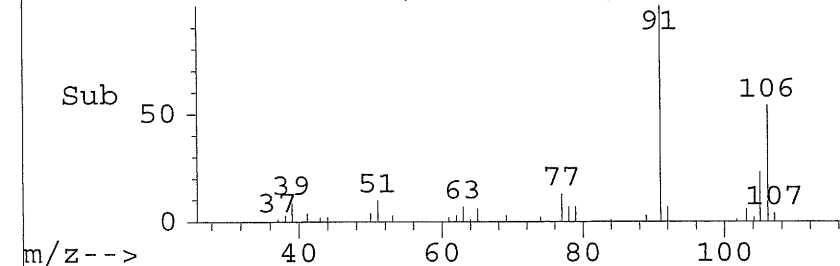
AbundanceScan 2909 (23.517 min): AF00386.D



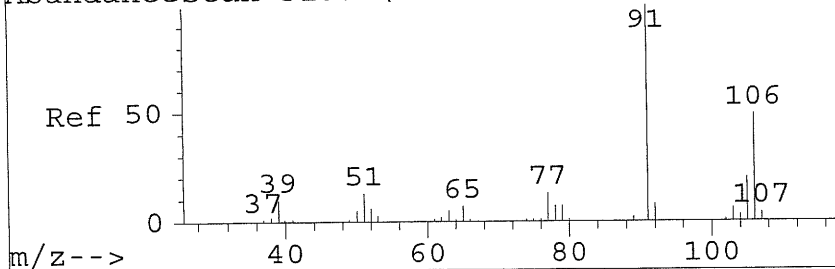
AbundanceIon 91.00 (90.00)
Ion 106.00 (105.00)
23.52



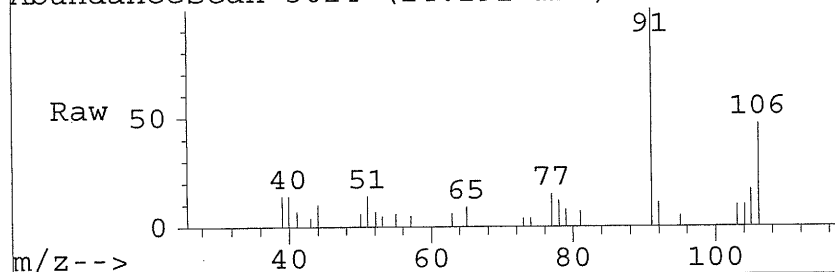
AbundanceScan 2909 (23.517 min): AF00386.D



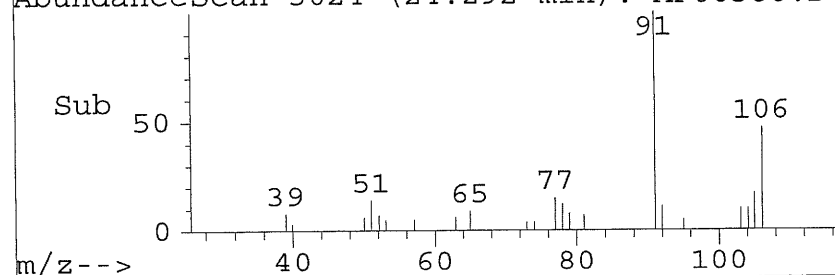
AbundanceScan 3183 (22.820 min): 0301003.D



AbundanceScan 3024 (24.292 min): AF00386.D



AbundanceScan 3024 (24.292 min): AF00386.D



#33

o-Xylene

Concen: 0.99 PPB

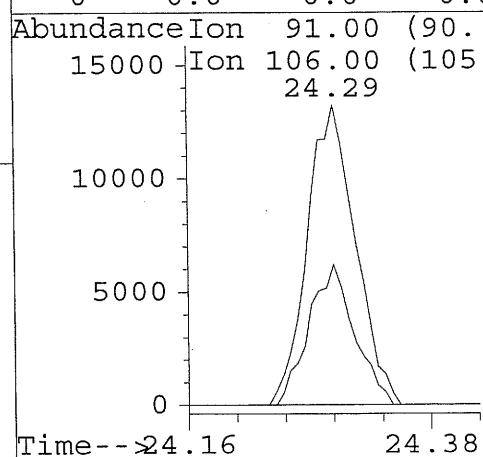
RT: 24.29 min Scan# 3024

Delta R.T. -0.02 min

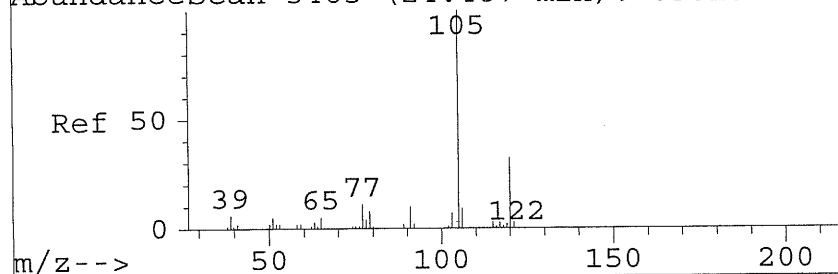
Lab File: AF00386.D

Acq: 23 Jun 05 3:35 am

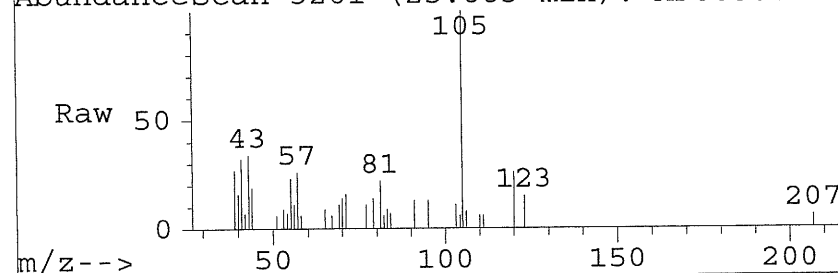
Tgt Ion:	91	Resp:	39943
Ion	Ratio	Lower	Upper
91	100		
106	44.5	29.1	69.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0



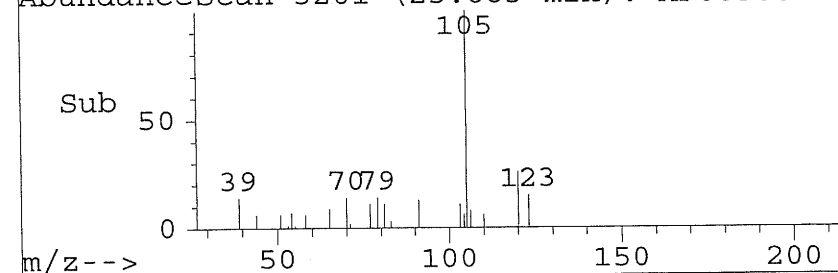
AbundanceScan 3465 (24.487 min): 0301003.D



AbundanceScan 3261 (25.883 min): AF00386.D



AbundanceScan 3261 (25.883 min): AF00386.D



#36

4-Ethyltoluene

Concen: 0.47 PPB

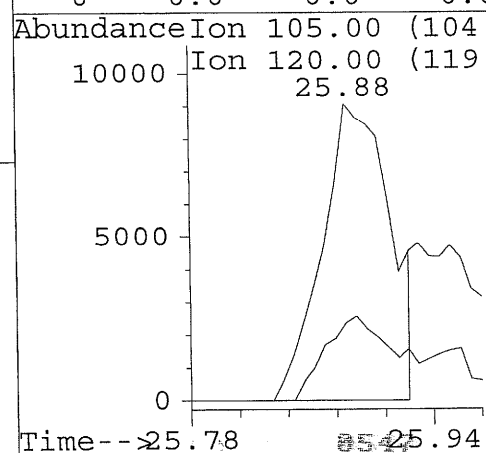
RT: 25.88 min Scan# 3261

Delta R.T. -0.08 min

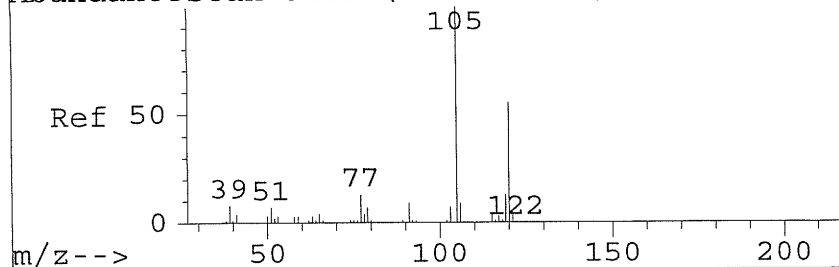
Lab File: AF00386.D

Acq: 23 Jun 05 3:35 am

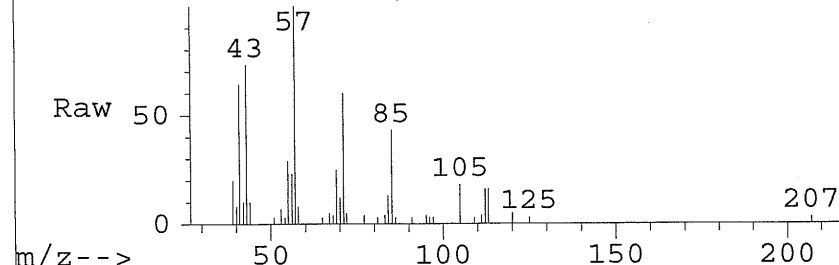
Tgt Ion:	105	Resp:	27630
Ion	Ratio	Lower	Upper
105	100		
120	29.1	10.6	50.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0



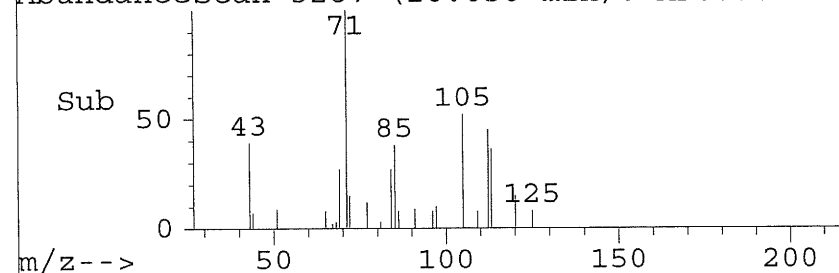
AbundanceScan 3483 (24.594 min): 0301003.D



AbundanceScan 3287 (26.056 min): AF00386.D



AbundanceScan 3287 (26.056 min): AF00386.D



#37

1,3,5-Trimethylbenzene

Concen: 0.25 PPB

RT: 26.06 min Scan# 3287

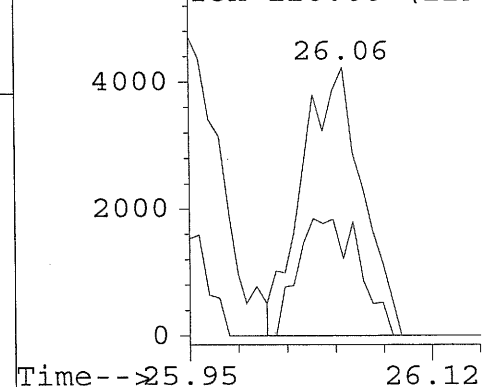
Delta R.T. -0.01 min

Lab File: AF00386.D

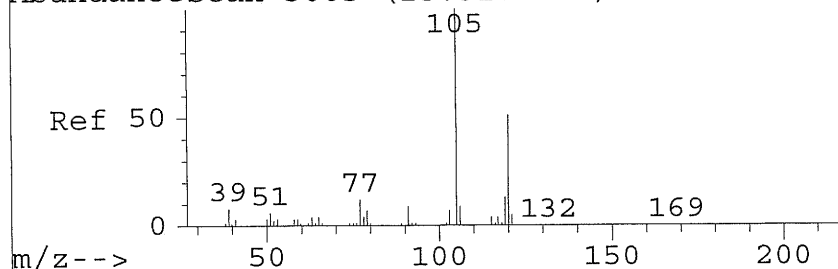
Acq: 23 Jun 05 3:35 am

Tgt Ion:	105	Resp:	12004
Ion Ratio	Lower	Upper	
105	100		
120	44.6	34.1	74.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

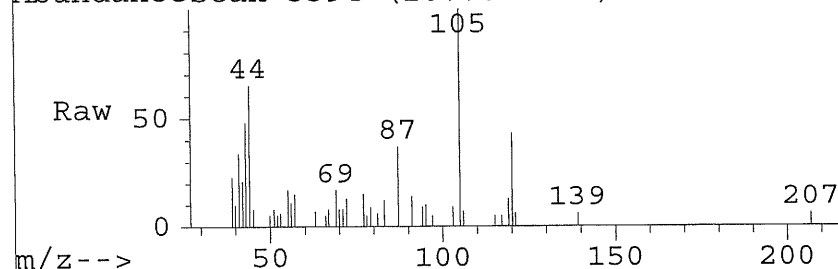
AbundanceIon 105.00 (104
Ion 120.00 (119



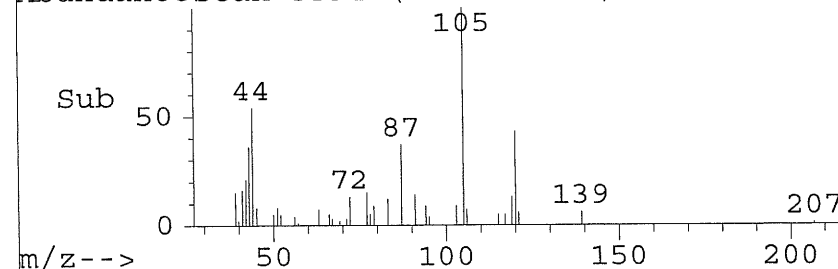
AbundanceScan 3605 (25.317 min): 0301003.D



AbundanceScan 3394 (26.781 min): AF00386.D



AbundanceScan 3394 (26.781 min): AF00386.D



#38

1,2,4-Trimethylbenzene

Concen: 0.77 PPB

RT: 26.78 min Scan# 3394

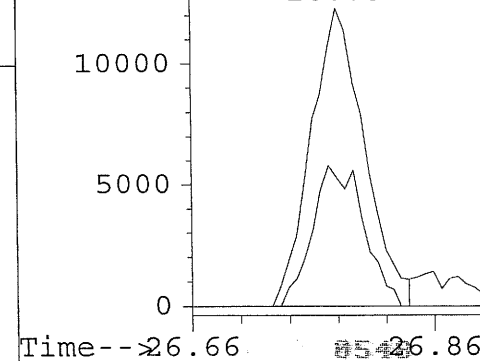
Delta R.T. -0.02 min

Lab File: AF00386.D

Acq: 23 Jun 05 3:35 am

Tgt Ion:	105	Resp:	37841
Ion Ratio	Lower	Upper	
105	100		
120	45.0	30.6	70.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceIon 105.00 (104
Ion 120.00 (119
26.78



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

Sample No.: -SG-2 Date Collected: 06/16/05 Date Received: 06/17/05
Lab Sample ID: 4545503 Date Analyzed: 06/22/05 Time Analyzed: 21:38
Canister ID: SUMMA0987 Pressure Rec'd: 13.6 psia Final Pressure: 27.3 psia
Injection Volume: 250 cc Nominal Volume: 125 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN22\AF00378.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: ug/m3	Q
75-71-8	Dichlorodifluoromethane	49	U
76-14-2	Freon 114	69	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl Chloride	25	U
74-83-9	Bromomethane	38	U
75-00-3	Chloroethane	26	U
75-69-4	Trichlorofluoromethane	56	U
75-35-4	1,1-Dichloroethene	39	U
76-13-1	Freon 113	76	U
107-05-1	3-Chloropropene	31	U
75-09-2	Methylene Chloride	1800	D
75-34-3	1,1-Dichloroethane	40	U
156-59-2	cis-1,2-Dichloroethene	320	D
67-66-3	Chloroform	48	U
71-55-6	1,1,1-Trichloroethane	54	U
56-23-5	Carbon Tetrachloride	62	U
107-06-2	1,2-Dichloroethane	40	U
71-43-2	Benzene	32	U
79-01-6	Trichloroethene	4400	D
78-87-5	1,2-Dichloropropane	46	U
10061-01-5	cis-1,3-Dichloropropene	45	U
108-88-3	Toluene	120	D
10061-02-6	trans-1,3-Dichloropropene	45	U
79-00-5	1,1,2-Trichloroethane	54	U
127-18-4	Tetrachloroethene	19000	D
106-93-4	1,2-Dibromoethane	76	U
108-90-7	Chlorobenzene	46	U
100-41-4	Ethylbenzene	43	U
1330-20-7	m/p-Xylene	91	D
95-47-6	o-Xylene	43	U
100-42-5	Styrene	43	U
79-34-5	1,1,2,2-Tetrachloroethane	68	U
622-96-8	4-Ethyltoluene	49	U
108-67-8	1,3,5-Trimethylbenzene	49	U

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

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

NOTE: Limits of quantitation were raised due to the high concentration of volatile organic compounds in this sample.

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

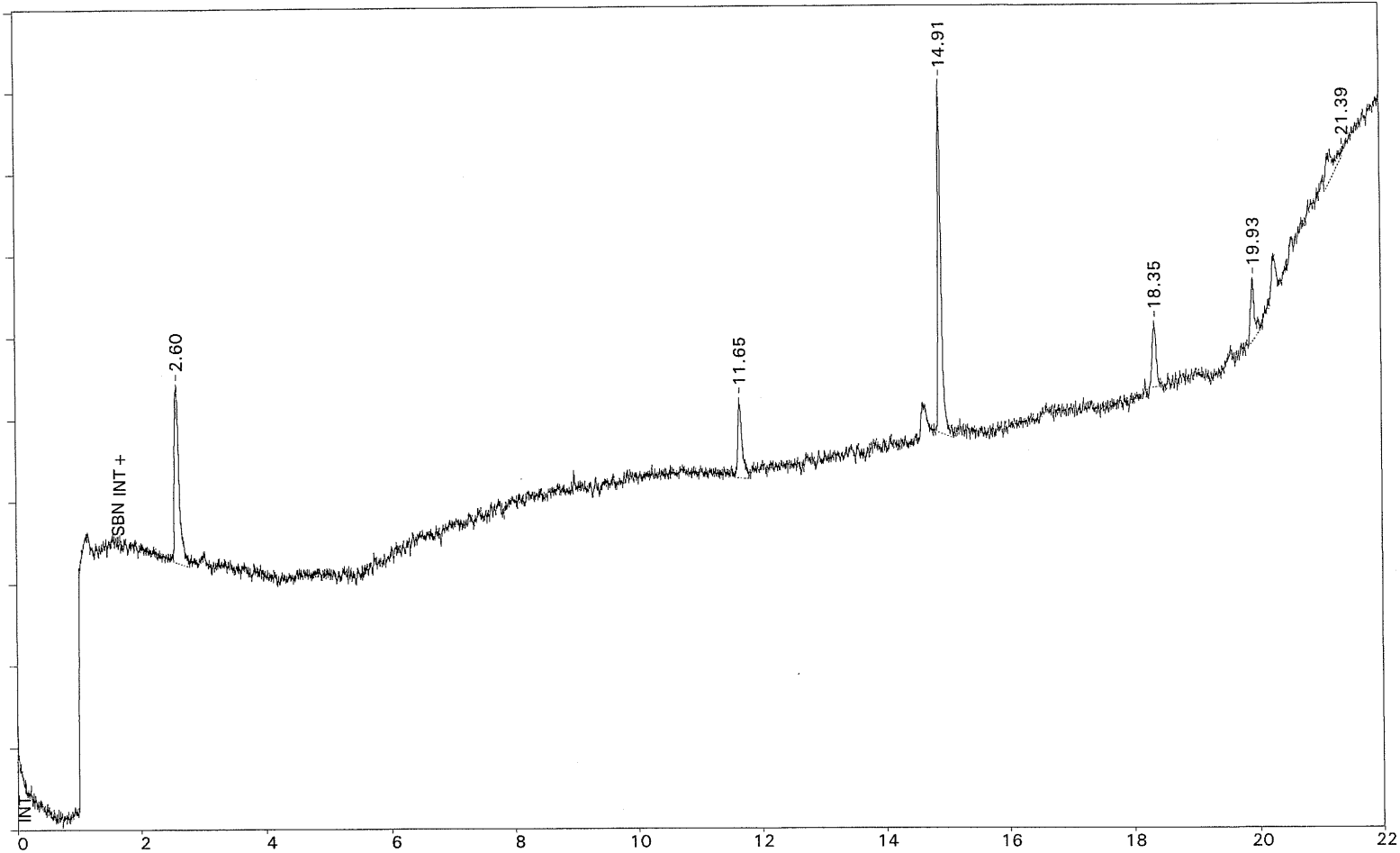
Sample No.: -SG-2 Date Collected: 06/16/05 Date Received: 06/17/05
Lab Sample ID: 4545503 Date Analyzed: 06/22/05 Time Analyzed: 21:38
Canister ID: SUMMA0987 Pressure Rec'd: 13.6 psia Final Pressure: 27.3 psia
Injection Volume: 250 cc Nominal Volume: 125 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN22\AF00378.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: ug/m3	Q
95-63-6	1,2,4-Trimethylbenzene	49	U
541-73-1	1,3-Dichlorobenzene	60	U
106-46-7	1,4-Dichlorobenzene	60	U
95-50-1	1,2-Dichlorobenzene	60	U
120-82-1	1,2,4-Trichlorobenzene	74	U

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

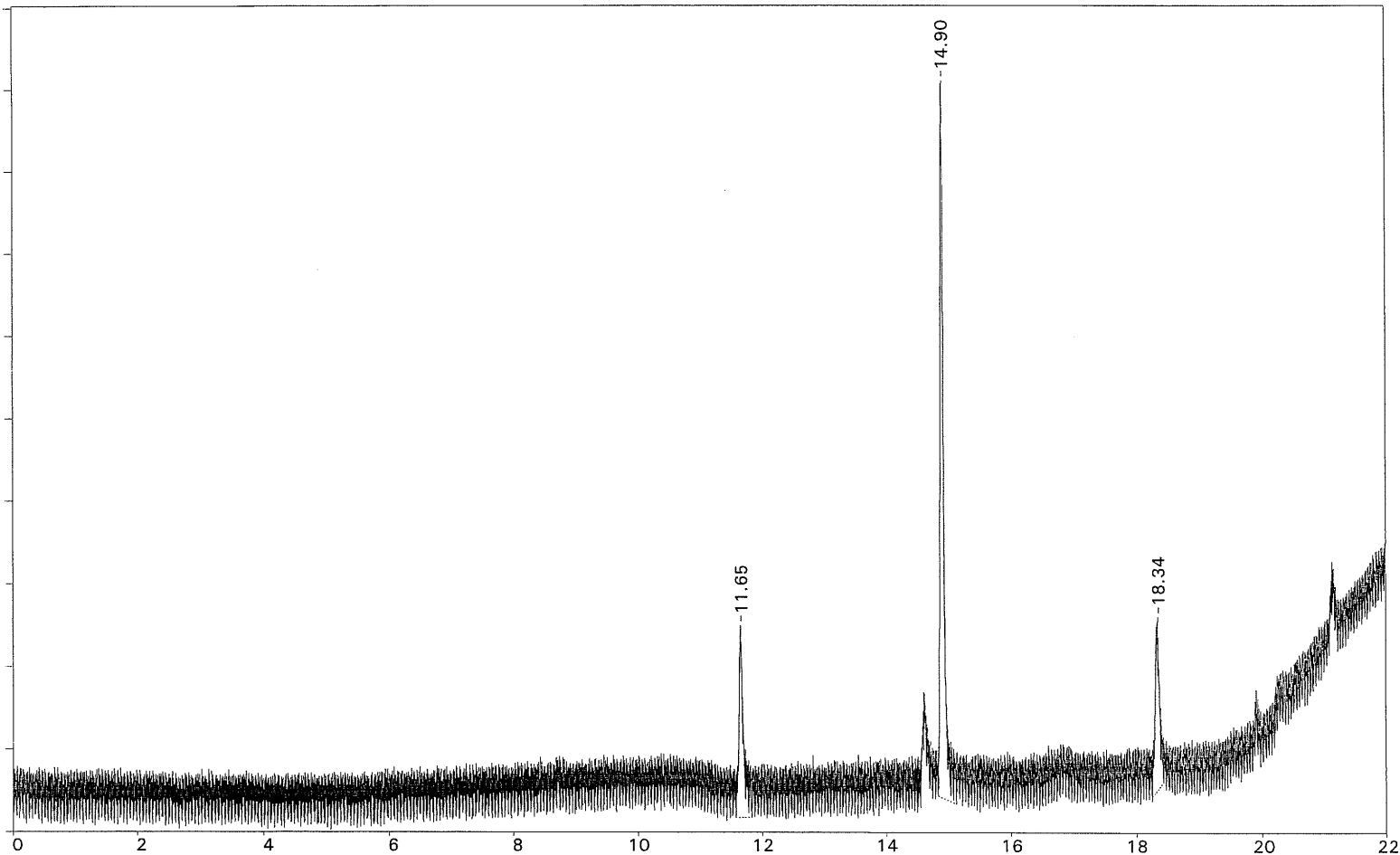
B = Compound was found in method blank. D = analysis of diluted sample.

NOTE: Limits of quantitation were raised due to the high concentration of volatile organic compounds in this sample.



Lancaster Laboratories
Analysis Data Sheet
DIR Analysis:
Sample No:
Lab Sample: 4545503 DF2 PRE #TOXIK SG2
Date Analyzed: Jun 21, 2005 14:26:19
Nominal Vol: 100 uL
Instr. ID: A58309--FID
Lab File ID: C:\CP\DATA1\05172.11R
Calibration File: c:\cp\data1\FIDT.CAL
Calibration Version: 656

Ret Time (min)	Peak Area	Peak Name	Amount ppm
2.599	827	Methane	4.7509
11.653	360	1,1,1-Trichloroethan	0.6672
14.908	1164	Tetrachloroethene	1.7813
18.345	245	Decane	0.0856
19.926	237		0.0000
21.385	232		0.0000
Total Area: 3064.81			



Lancaster Laboratories
Analysis Data Sheet
DIR Analysis:
Sample No:
Lab Sample: 4545503 DF2 PRE #TOXIK SG2
Date Analyzed: Jun 21, 2005 14:26:19
Nominal Vol: 100 uL
Instr. ID: A58309--PID
Lab File ID: C:\CP\DATA1\05172B.11R
Calibration File: c:\cp\data1\PIDT.CAL
Calibration Version: 360

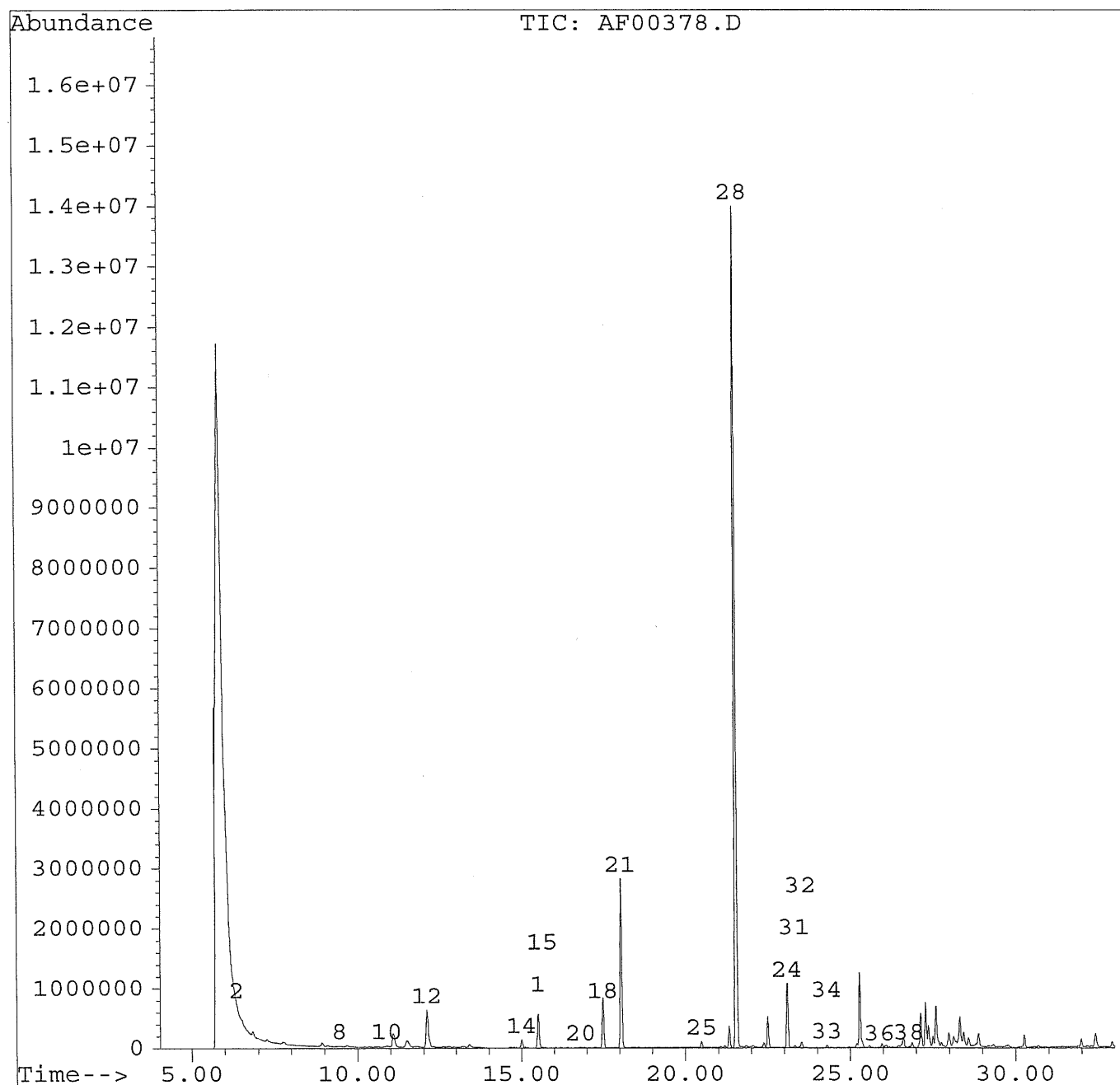
Ret Time (min)	Peak Area	Peak Name	Amount ppm
11.650	11927		0.0000
14.904	32552		0.0000
18.340	9573		0.0000
Total Area: 54052.49			

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00378.D
 Acq On : 22 Jun 05 9:38 pm
 Sample : 4545503 DF10 250CC
 Misc :
 Quant Time: Jun 27 10:14 2005

Vial: 16
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NON198.M
 Title : TO14 SCAN METHOD
 Last Update : Mon Jun 27 09:26:49 2005
 Response via : Single Level Calibration



0553

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00378.D
 Acq On : 22 Jun 05 9:38 pm
 Sample : 4545503 DF10 250CC
 Misc :
 Quant Time: Jun 27 10:14 2005

Vial: 16
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NON198.M
 Title : TO14 SCAN METHOD
 Last Update : Mon Jun 27 09:26:49 2005
 Response via : Single Level Calibration

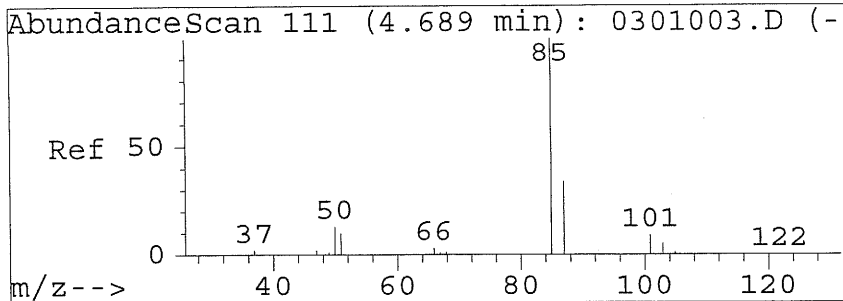
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	15.52	130	406696	10.00	PPB	-0.02
18) 1,4-Difluorobenzene	17.50	114	1261139	10.00	PPB	-0.02
24) Chlorobenzene d5	23.10	117	1233775	10.00	PPB	-0.01

System Monitoring Compounds

%Recovery

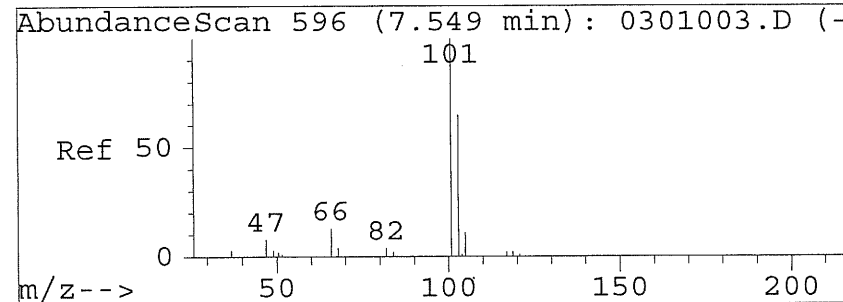
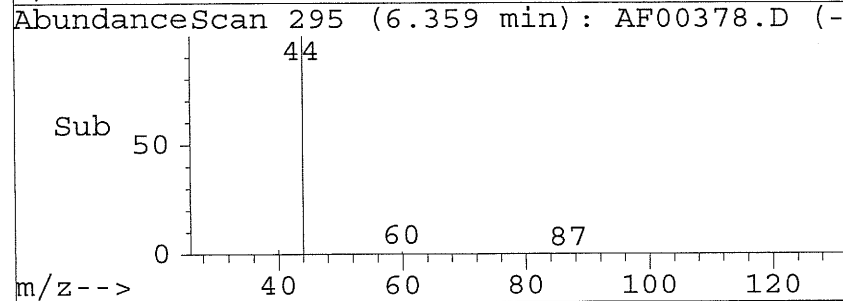
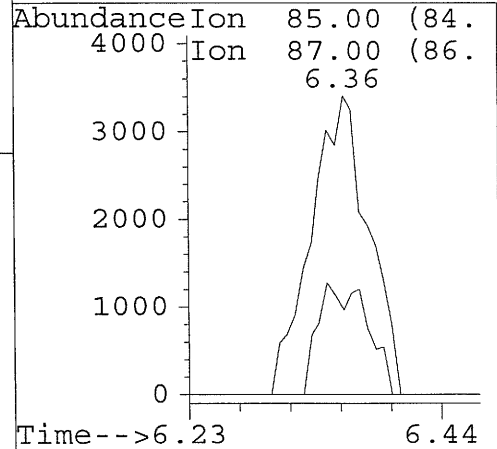
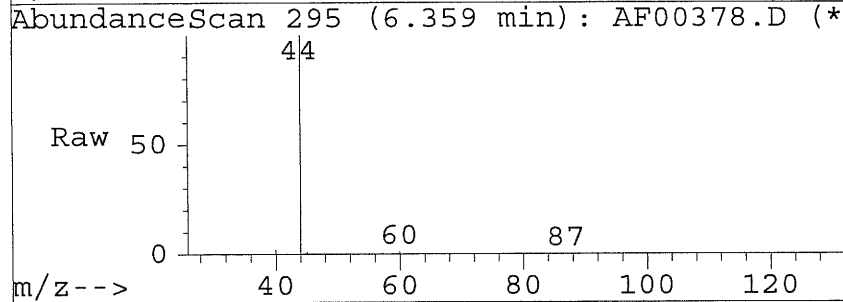
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	6.36	85	11065	0.28	PPB	73
8) Trichlorofluoromethane	9.44	101	25083	0.67	PPB	# 72
10) Freon 113	10.88	103	15182	0.82	PPB	# 76
12) Methylene Chloride	12.11	84	590180	53.47	PPB	# 86
14) cis-1,2-Dichloroethene	15.01	61	133596	8.05	PPB	# 77
15) Chloroform	15.65	83	8266	0.31	PPB	95
20) Benzene	16.82	78	19683	0.63	PPB	94
21) Trichloroethene	18.06	130	1728483	82.40	PPB	97
25) Toluene	20.49	91	132510	3.23	PPB	94
28) Tetrachloroethene	21.55	166	7860010	286.36	PPB	99
31) Ethylbenzene	23.32	91	42072	0.70	PPB	95
32) m/p-Xylene	23.53	91	93258	2.09	PPB	97
33) o-Xylene	24.29	91	31605	0.73	PPB	98
34) Styrene	24.30	104	16382	0.48	PPB	95
36) 4-Ethyltoluene	25.89	105	14757	0.23	PPB	83
38) 1,2,4-Trimethylbenzene	26.79	105	20187	0.38	PPB	85

0554



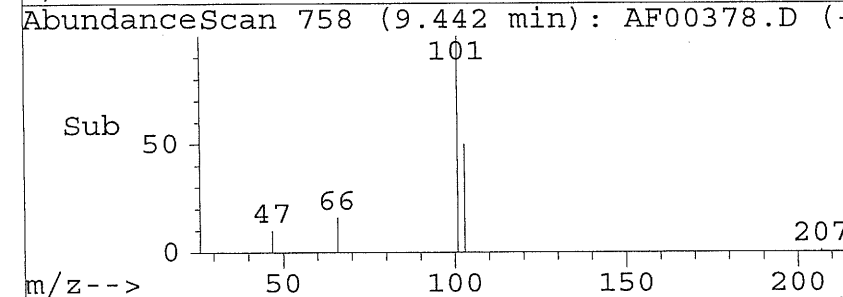
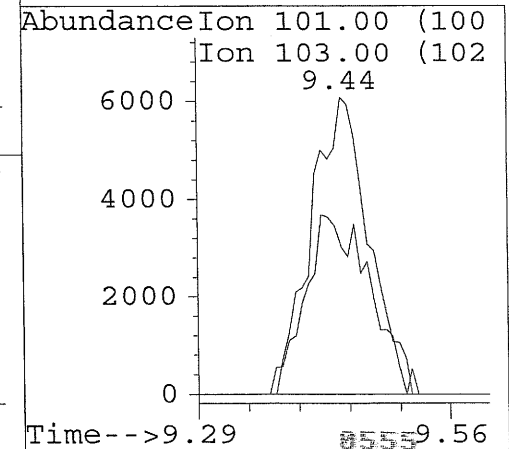
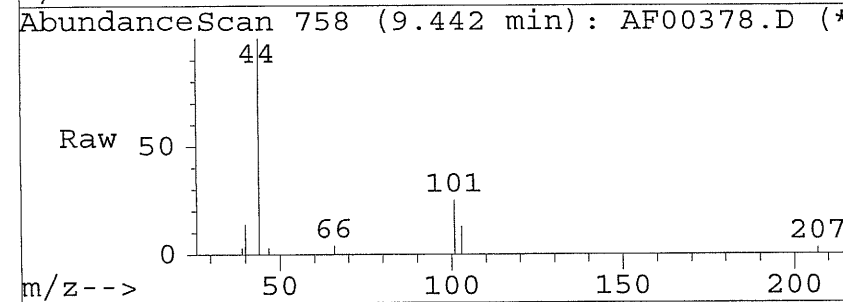
#2
 Dichlorodifluoromethane
 Concen: 0.28 PPB
 RT: 6.36 min Scan# 295
 Delta R.T. -0.02 min
 Lab File: AF00378.D
 Acq: 22 Jun 05 9:38 pm

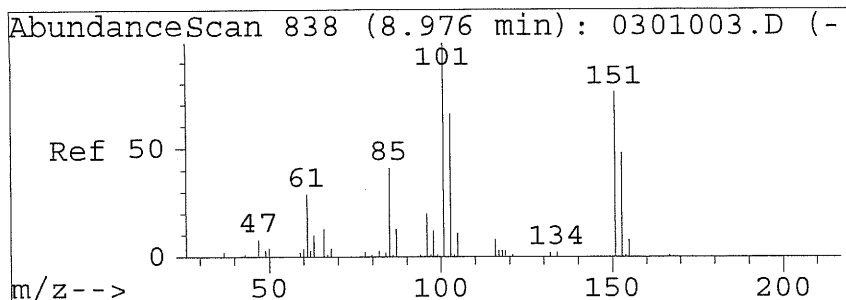
Tgt Ion:85	Resp:	11065
Ion Ratio	Lower	Upper
85 100		
87 17.5	12.8	52.8
0 0.0	0.0	0.0
0 0.0	0.0	0.0



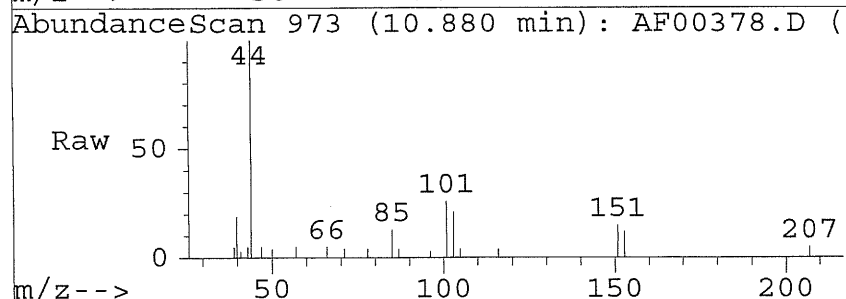
#8
 Trichlorofluoromethane
 Concen: 0.67 PPB
 RT: 9.44 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: AF00378.D
 Acq: 22 Jun 05 9:38 pm

Tgt Ion:101	Resp:	25083
Ion Ratio	Lower	Upper
101 100		
103 43.3	45.3	85.3#
0 0.0	0.0	0.0
0 0.0	0.0	0.0

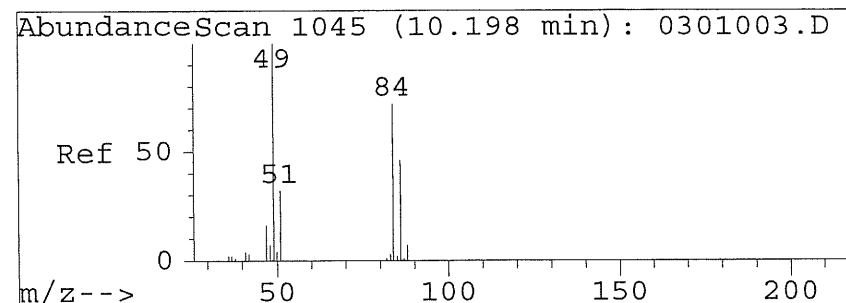
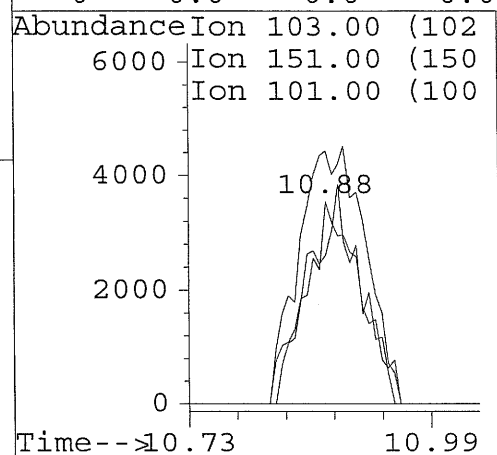
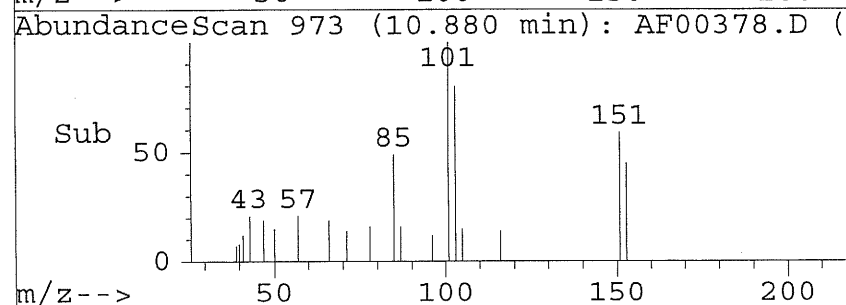




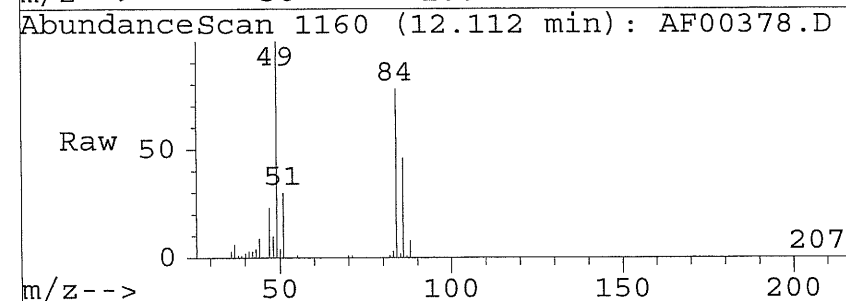
#10
Freon 113
Concen: 0.82 PPB
RT: 10.88 min Scan# 973
Delta R.T. -0.02 min
Lab File: AF00378.D
Acq: 22 Jun 05 9:38 pm



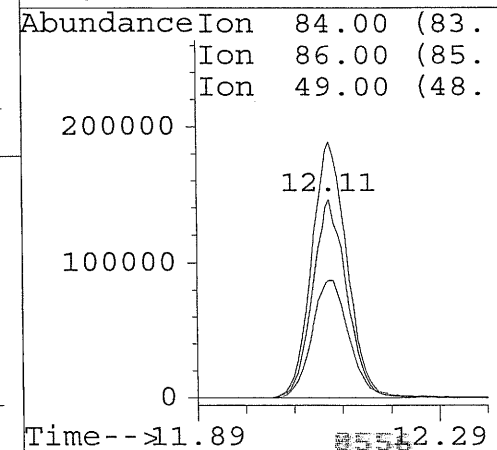
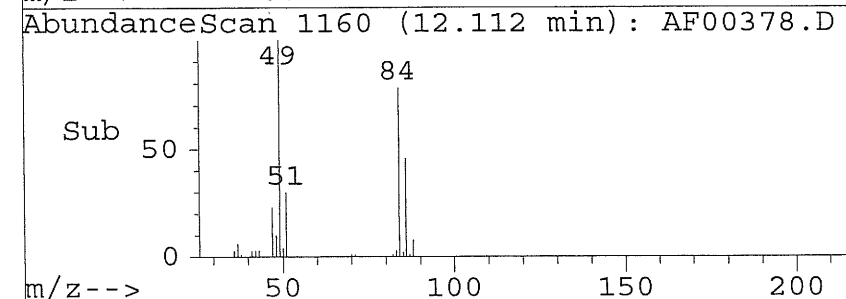
Tgt Ion	Ratio	Lower	Upper
103	100		
151	63.8	99.0	139.0#
101	149.3	135.1	175.1
0	0.0	0.0	0.0



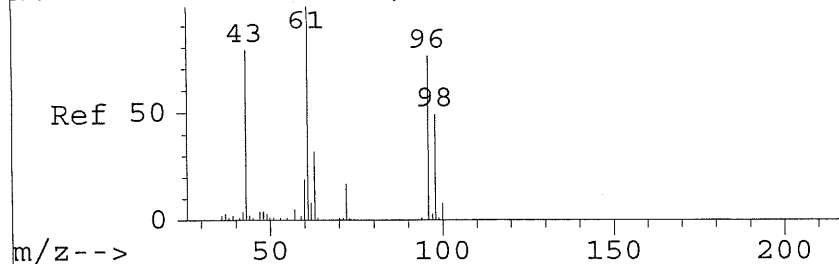
#12
Methylene Chloride
Concen: 53.47 PPB
RT: 12.11 min Scan# 1160
Delta R.T. -0.02 min
Lab File: AF00378.D
Acq: 22 Jun 05 9:38 pm



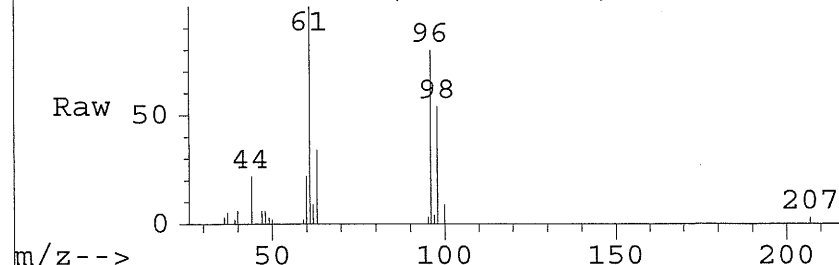
Tgt Ion	Ratio	Lower	Upper
84	100		
86	63.9	43.8	83.8
49	132.5	139.0	179.0#
0	0.0	0.0	0.0



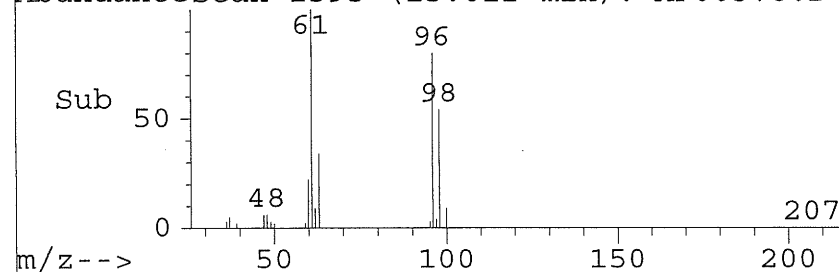
AbundanceScan 1574 (13.319 min): 0301003.D



AbundanceScan 1595 (15.012 min): AF00378.D



AbundanceScan 1595 (15.012 min): AF00378.D



#14

cis-1,2-Dichloroethene

Concen: 8.05 PPB

RT: 15.01 min Scan# 1595

Delta R.T. -0.01 min

Lab File: AF00378.D

Acq: 22 Jun 05 9:38 pm

Tgt Ion:61 Resp: 133596

Ion Ratio Lower Upper

61 100

96 85.6 45.5 85.5#

98 53.8 21.9 61.9

0 0.0 0.0 0.0

AbundanceIon 61.00 (60.

Ion 96.00 (95.

Ion 98.00 (97.

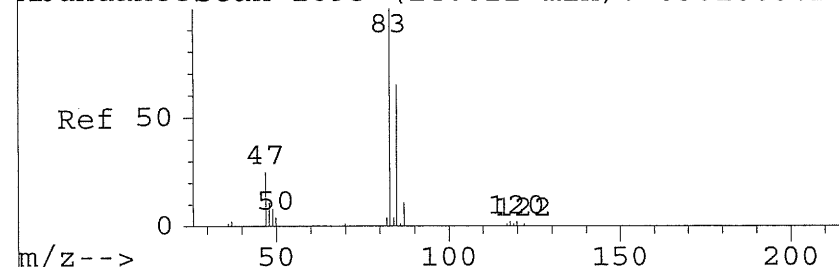
40000 15.01

20000

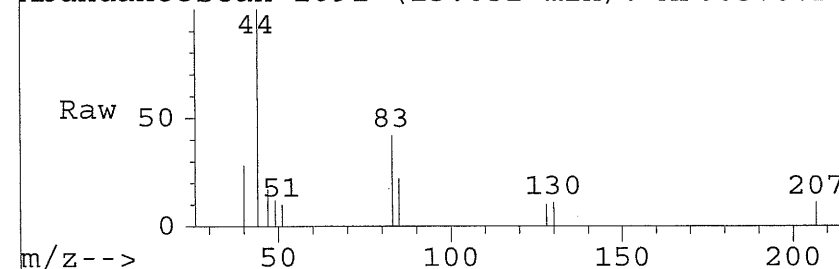
0

Time-->14.84 15.13

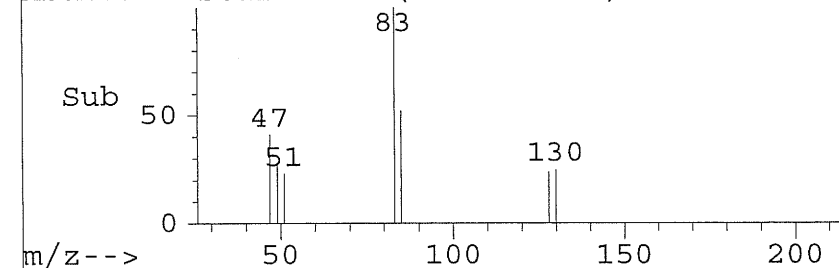
AbundanceScan 1693 (14.022 min): 0301003.D



AbundanceScan 1691 (15.652 min): AF00378.D



AbundanceScan 1691 (15.652 min): AF00378.D



#15

Chloroform

Concen: 0.31 PPB

RT: 15.65 min Scan# 1691

Delta R.T. -0.01 min

Lab File: AF00378.D

Acq: 22 Jun 05 9:38 pm

Tgt Ion:83 Resp: 8266

Ion Ratio Lower Upper

83 100

85 60.2 45.5 85.5

47 29.3 8.8 48.8

0 0.0 0.0 0.0

AbundanceIon 83.00 (82.

Ion 85.00 (84.

Ion 47.00 (46.

8000

6000

4000

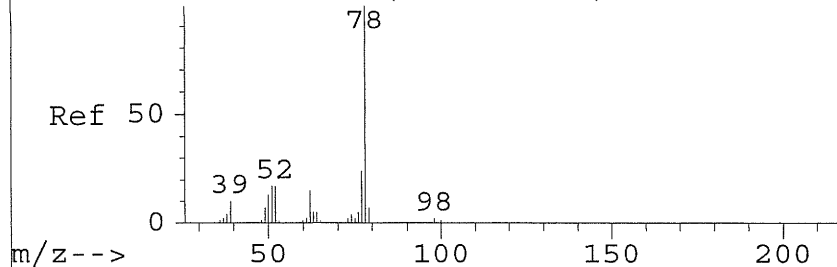
2000

0

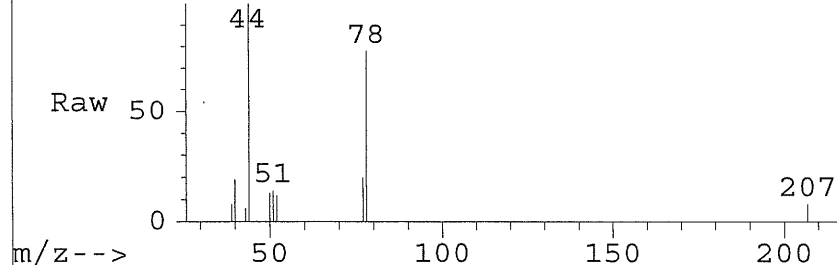
15.65

15.54 15.72

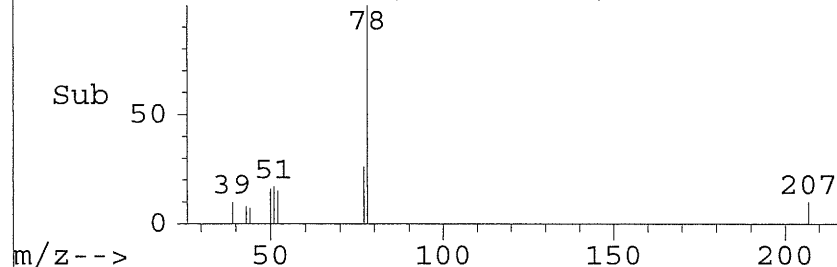
AbundanceScan 1895 (15.214 min): 0301003.D



AbundanceScan 1867 (16.822 min): AF00378.D



AbundanceScan 1867 (16.822 min): AF00378.D



#20

Benzene

Concen: 0.63 PPB

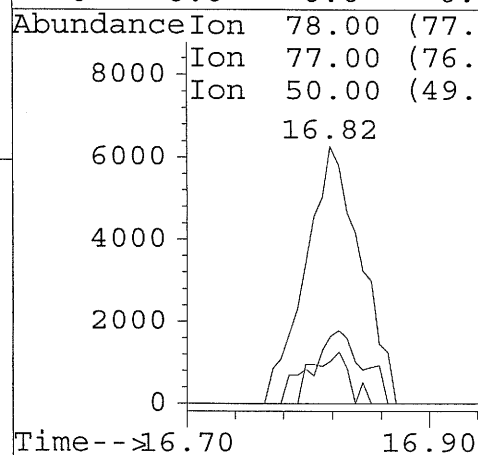
RT: 16.82 min Scan# 1867

Delta R.T. -0.02 min

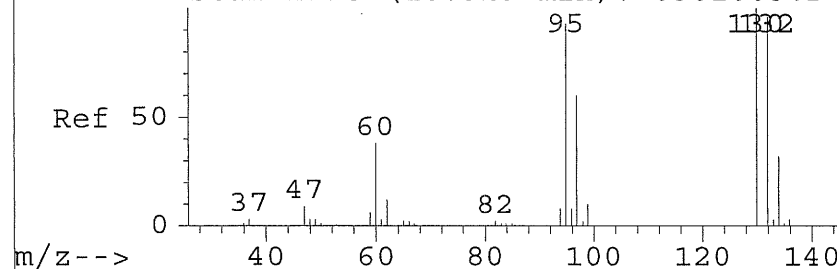
Lab File: AF00378.D

Acq: 22 Jun 05 9:38 pm

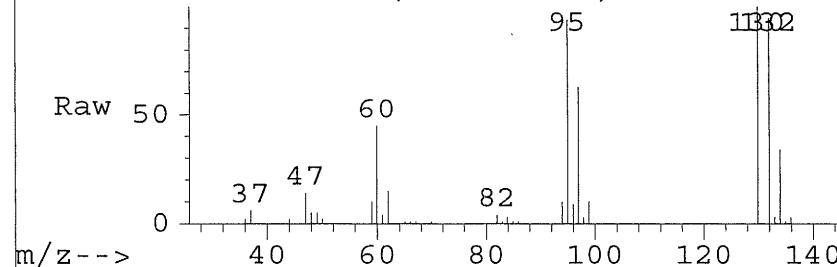
Tgt Ion:	78	Resp:	19683
Ion	Ratio	Lower	Upper
78	100		
77	26.4	4.0	44.0
50	13.3	0.0	36.7
0	0.0	0.0	0.0



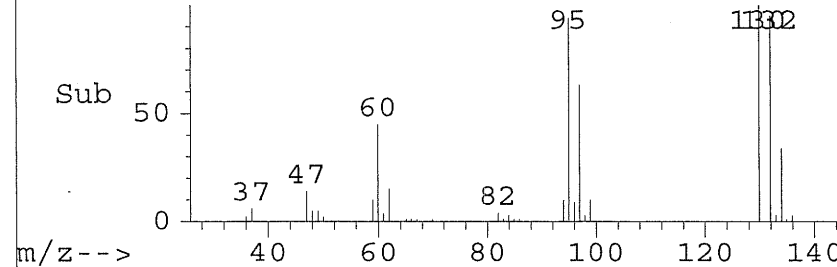
AbundanceScan 2115 (16.513 min): 0301003.D



AbundanceScan 2051 (18.062 min): AF00378.D



AbundanceScan 2051 (18.062 min): AF00378.D



#21

Trichloroethene

Concen: 82.40 PPB

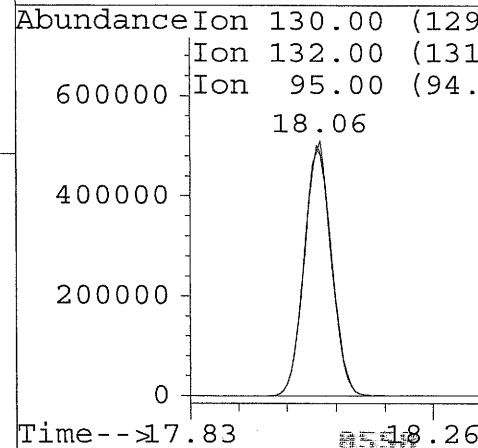
RT: 18.06 min Scan# 2051

Delta R.T. -0.02 min

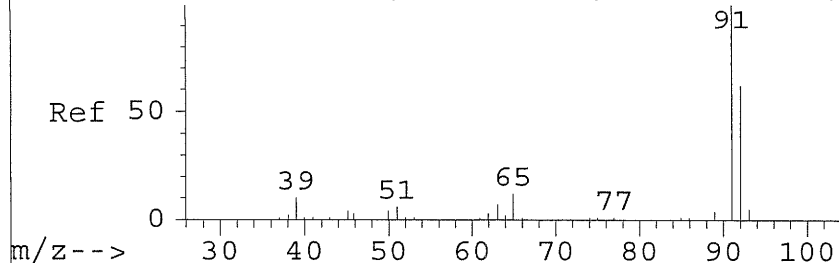
Lab File: AF00378.D

Acq: 22 Jun 05 9:38 pm

Tgt Ion:	130	Resp:	1728483
Ion	Ratio	Lower	Upper
130	100		
132	98.6	76.4	116.4
95	97.2	72.6	112.6
0	0.0	0.0	0.0



AbundanceScan 2535 (18.992 min): 0301003.D



#25

Toluene

Concen: 3.23 PPB

RT: 20.49 min Scan# 2414

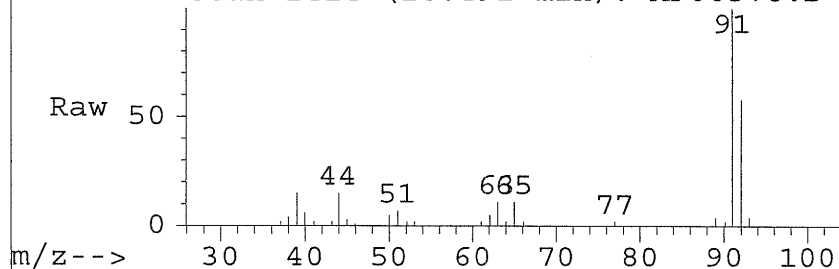
Delta R.T. -0.02 min

Lab File: AF00378.D

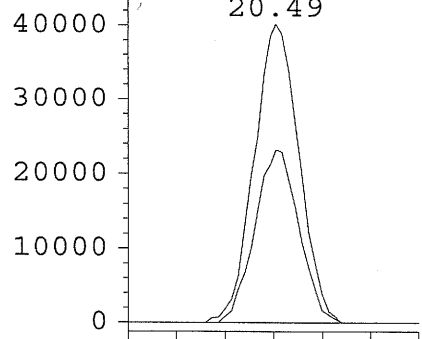
Acq: 22 Jun 05 9:38 pm

Tgt Ion:	91	Resp:	132510
Ion	Ratio	Lower	Upper
91	100		
92	57.0	41.7	81.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

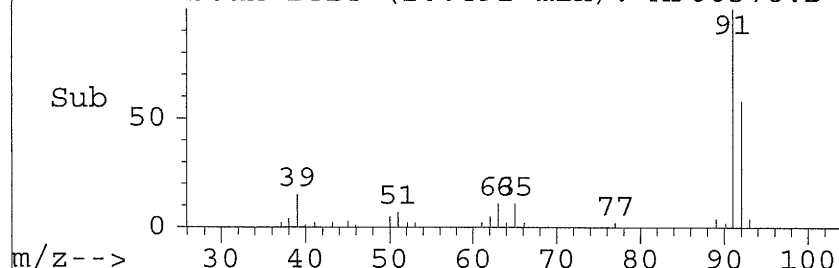
AbundanceScan 2414 (20.492 min): AF00378.D



AbundanceIon 91.00 (90.00)
Ion 92.00 (91.00)
20.49

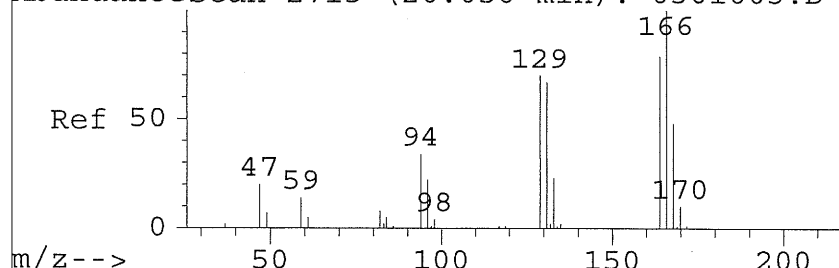


AbundanceScan 2414 (20.492 min): AF00378.D



Time-->20.34 20.59

AbundanceScan 2715 (20.056 min): 0301003.D



#28

Tetrachloroethene

Concen: 286.36 PPB

RT: 21.55 min Scan# 2571

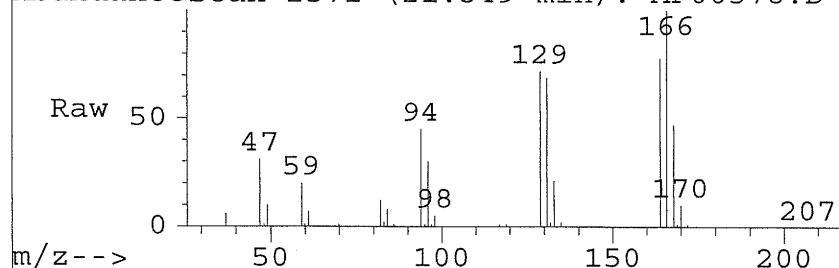
Delta R.T. -0.01 min

Lab File: AF00378.D

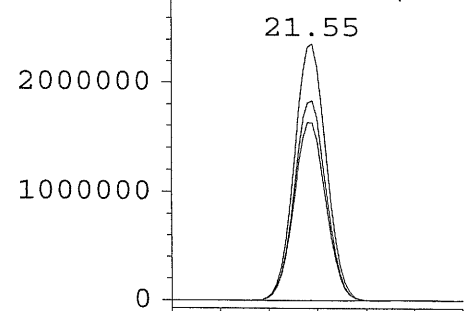
Acq: 22 Jun 05 9:38 pm

Tgt Ion:	166	Resp:	7860010
Ion	Ratio	Lower	Upper
166	100		
164	77.8	58.8	98.8
131	69.5	49.2	89.2
0	0.0	0.0	0.0

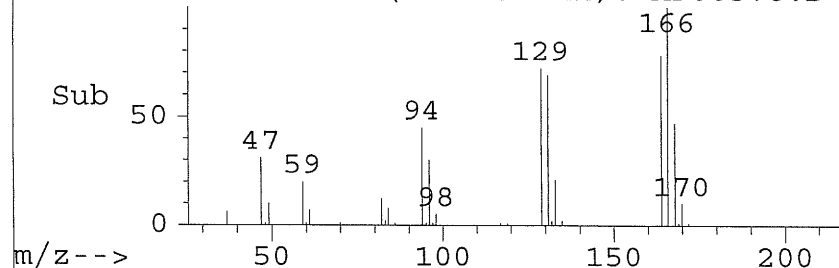
AbundanceScan 2571 (21.549 min): AF00378.D



AbundanceIon 166.00 (165.00)
Ion 164.00 (163.00)
Ion 131.00 (130.00)
21.55

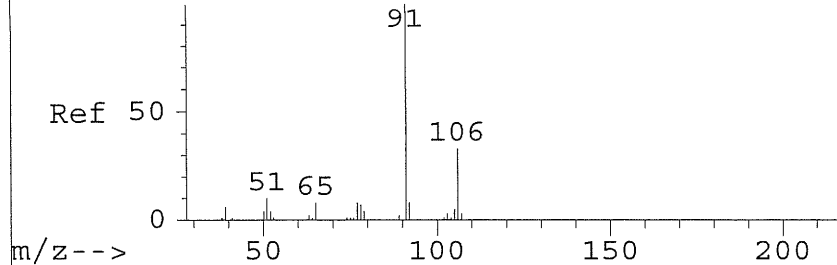


AbundanceScan 2571 (21.549 min): AF00378.D

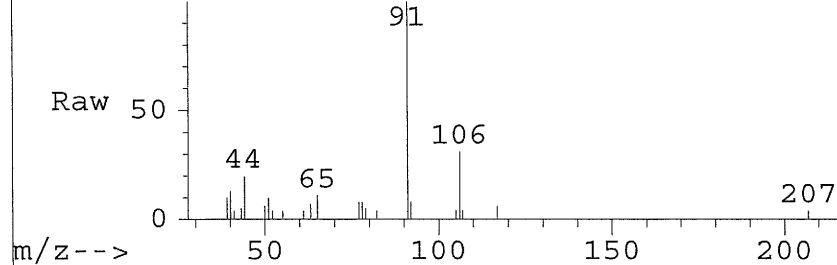


Time-->21.34 21.70

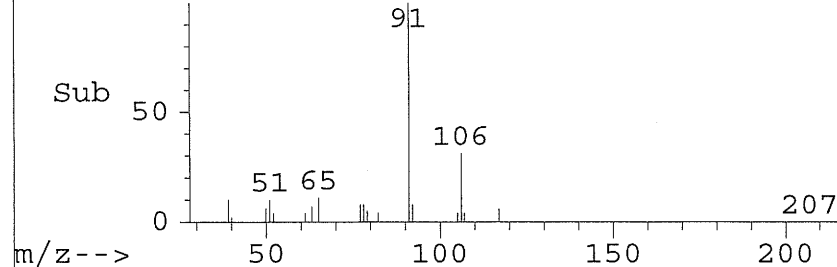
AbundanceScan 3018 (21.845 min): 0301003.D



AbundanceScan 2834 (23.319 min): AF00378.D



AbundanceScan 2834 (23.319 min): AF00378.D



#31

Ethylbenzene

Concen: 0.70 PPB

RT: 23.32 min Scan# 2834

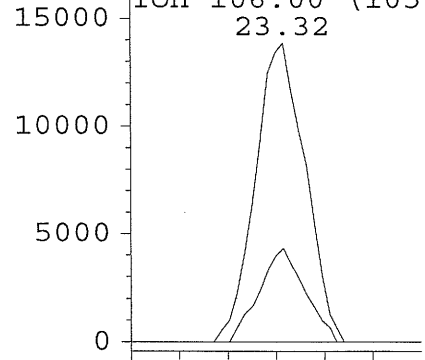
Delta R.T. -0.01 min

Lab File: AF00378.D

Acq: 22 Jun 05 9:38 pm

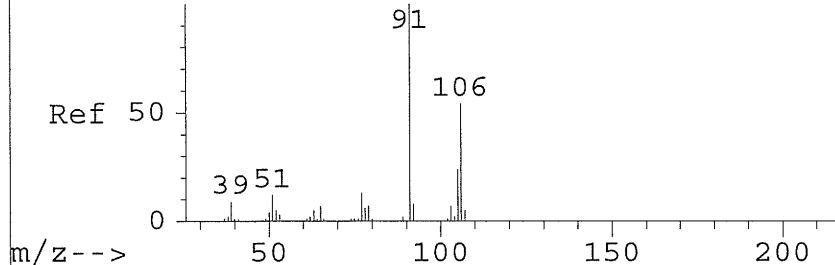
Tgt Ion:	91	Resp:	42072
Ion	Ratio	Lower	Upper
91	100		
106	28.4	11.4	51.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceIon 91.00 (90.00)
Ion 106.00 (105.00)
23.32

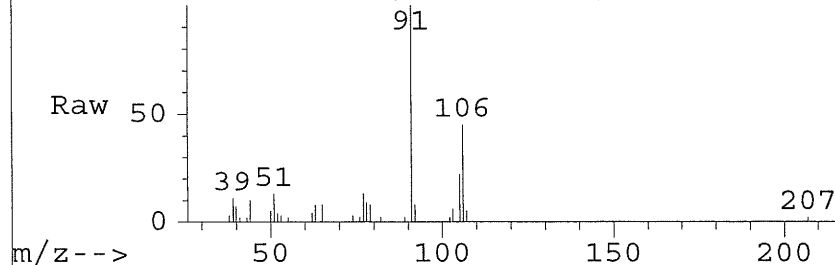


Time-->23.18 23.40

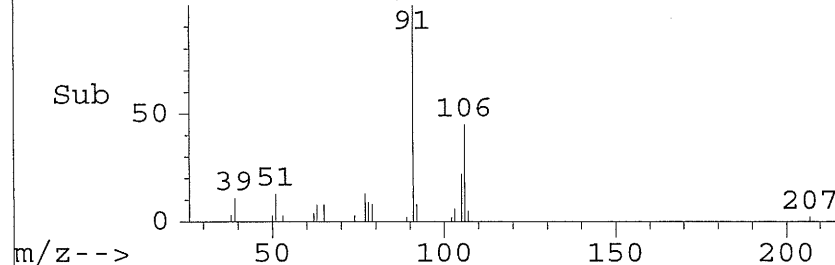
AbundanceScan 3055 (22.064 min): 0301003.D



AbundanceScan 2865 (23.528 min): AF00378.D



AbundanceScan 2865 (23.528 min): AF00378.D



#32

m/p-Xylene

Concen: 2.09 PPB

RT: 23.53 min Scan# 2865

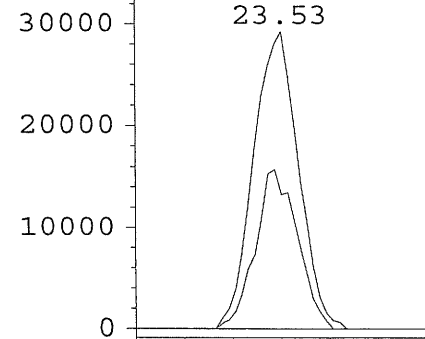
Delta R.T. -0.01 min

Lab File: AF00378.D

Acq: 22 Jun 05 9:38 pm

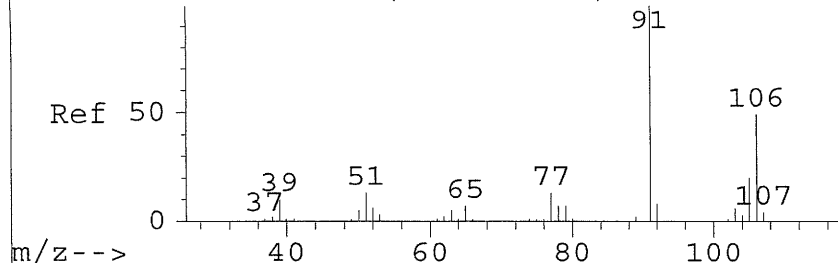
Tgt Ion:	91	Resp:	93258
Ion	Ratio	Lower	Upper
91	100		
106	50.3	32.1	72.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceIon 91.00 (90.00)
Ion 106.00 (105.00)
23.53

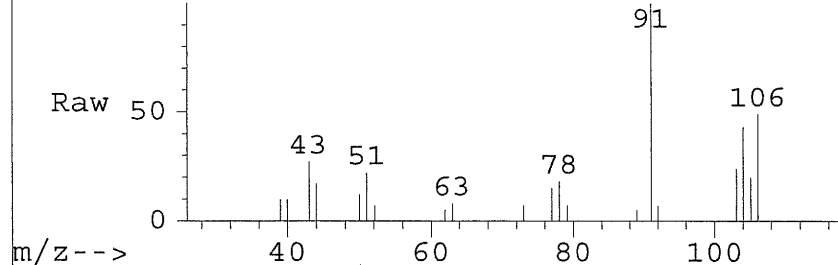


Time-->23.38 23.63

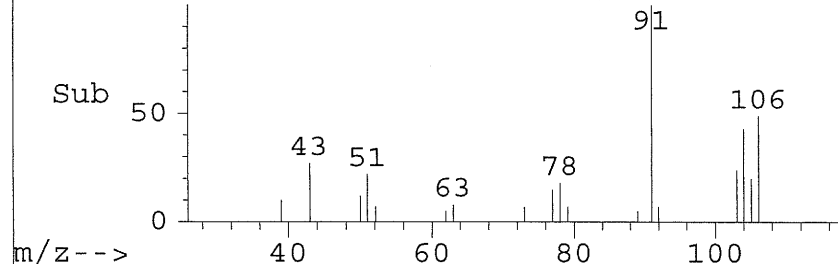
AbundanceScan 3183 (22.820 min): 0301003.D



AbundanceScan 2979 (24.291 min): AF00378.D



AbundanceScan 2979 (24.291 min): AF00378.D



#33

o-Xylene

Concen: 0.73 PPB

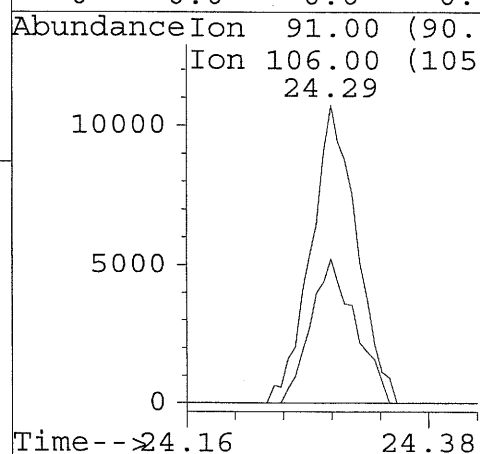
RT: 24.29 min Scan# 2979

Delta R.T. -0.02 min

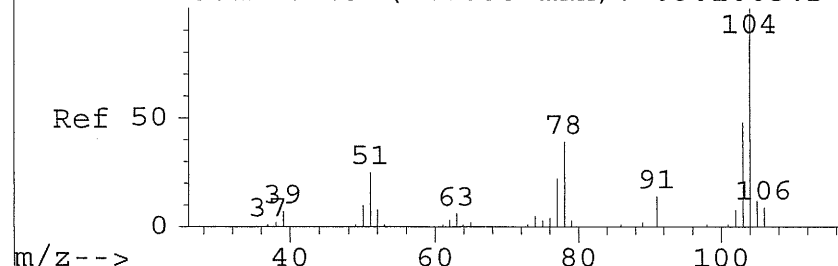
Lab File: AF00378.D

Acq: 22 Jun 05 9:38 pm

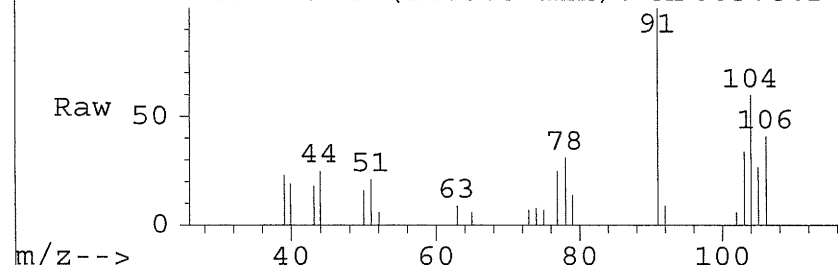
Tgt Ion:	91	Resp:	31605
Ion Ratio	Lower	Upper	
91	100		
106	47.4	29.1	69.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0



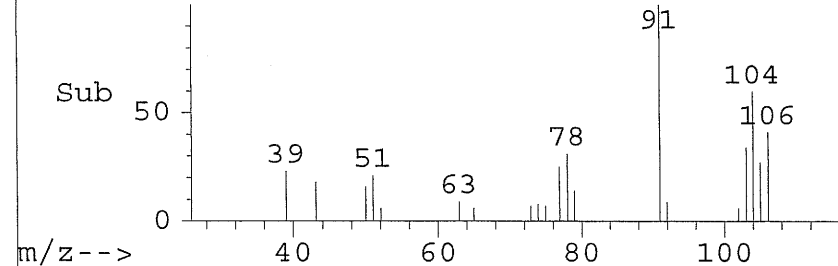
AbundanceScan 3189 (22.855 min): 0301003.D



AbundanceScan 2981 (24.303 min): AF00378.D



AbundanceScan 2981 (24.303 min): AF00378.D



#34

Styrene

Concen: 0.48 PPB

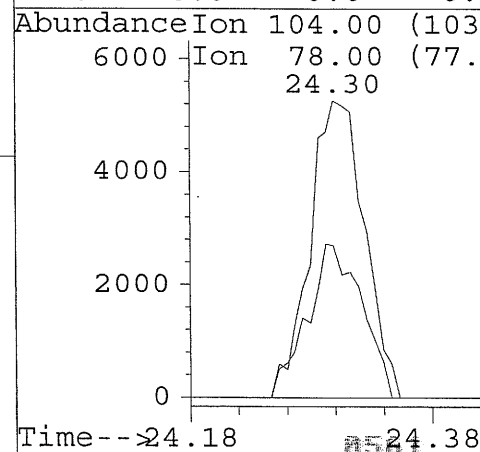
RT: 24.30 min Scan# 2981

Delta R.T. -0.02 min

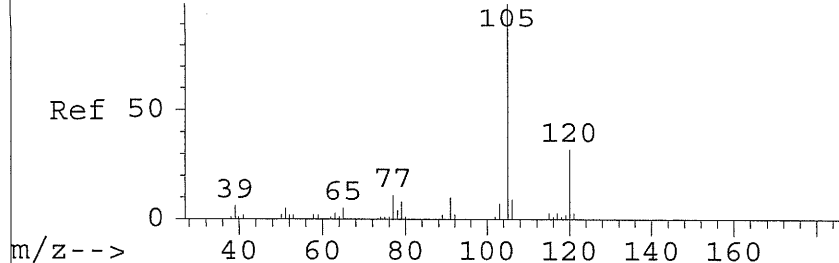
Lab File: AF00378.D

Acq: 22 Jun 05 9:38 pm

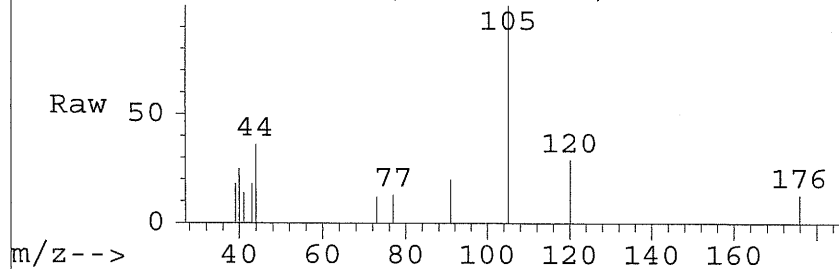
Tgt Ion:	104	Resp:	16382
Ion Ratio	Lower	Upper	
104	100		
78	52.2	36.1	76.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0



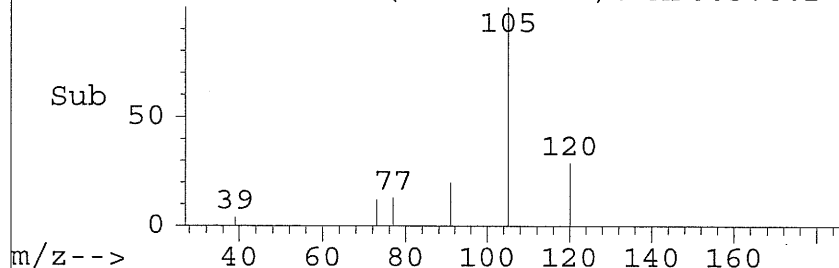
AbundanceScan 3465 (24.487 min): 0301003.D



AbundanceScan 3217 (25.891 min): AF00378.D



AbundanceScan 3217 (25.891 min): AF00378.D



#36

4-Ethyltoluene

Concen: 0.23 PPB

RT: 25.89 min Scan# 3217

Delta R.T. -0.07 min

Lab File: AF00378.D

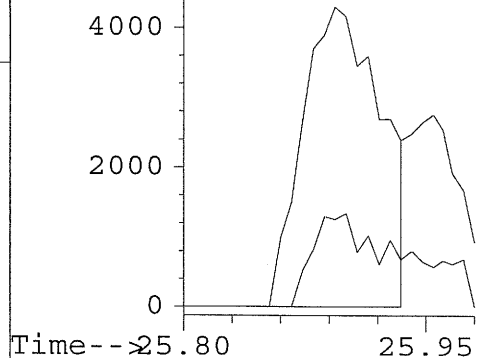
Acq: 22 Jun 05 9:38 pm

Tgt Ion:	105	Resp:	14757
Ion	Ratio	Lower	Upper
105	100		
120	21.2	10.6	50.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

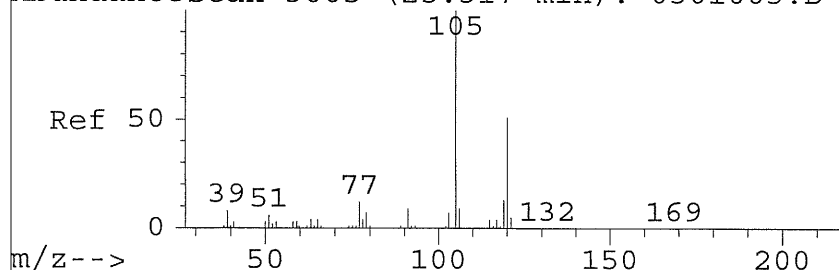
AbundanceIon 105.00 (104

Ion 120.00 (119

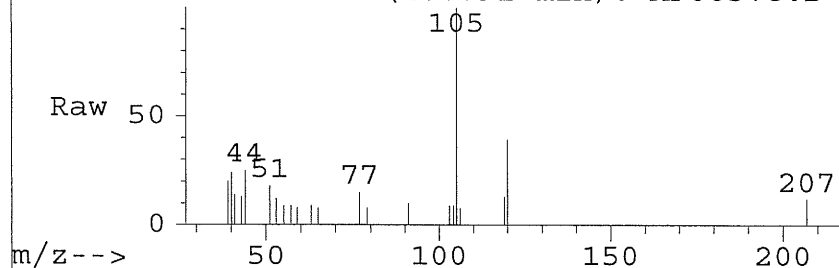
25.89



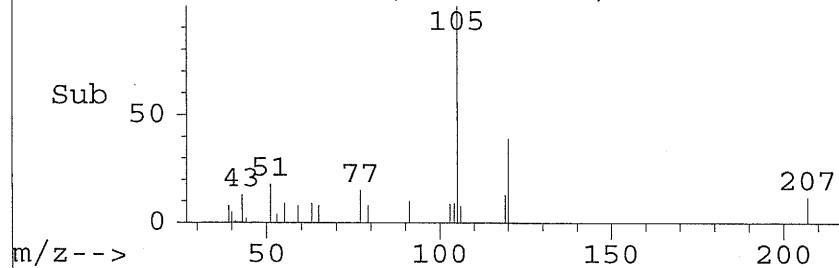
AbundanceScan 3605 (25.317 min): 0301003.D



AbundanceScan 3351 (26.791 min): AF00378.D



AbundanceScan 3351 (26.791 min): AF00378.D



#38

1,2,4-Trimethylbenzene

Concen: 0.38 PPB

RT: 26.79 min Scan# 3351

Delta R.T. -0.01 min

Lab File: AF00378.D

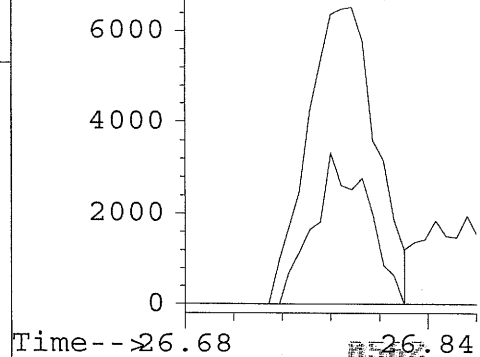
Acq: 22 Jun 05 9:38 pm

Tgt Ion:	105	Resp:	20187
Ion	Ratio	Lower	Upper
105	100		
120	40.3	30.6	70.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceIon 105.00 (104

Ion 120.00 (119

26.79

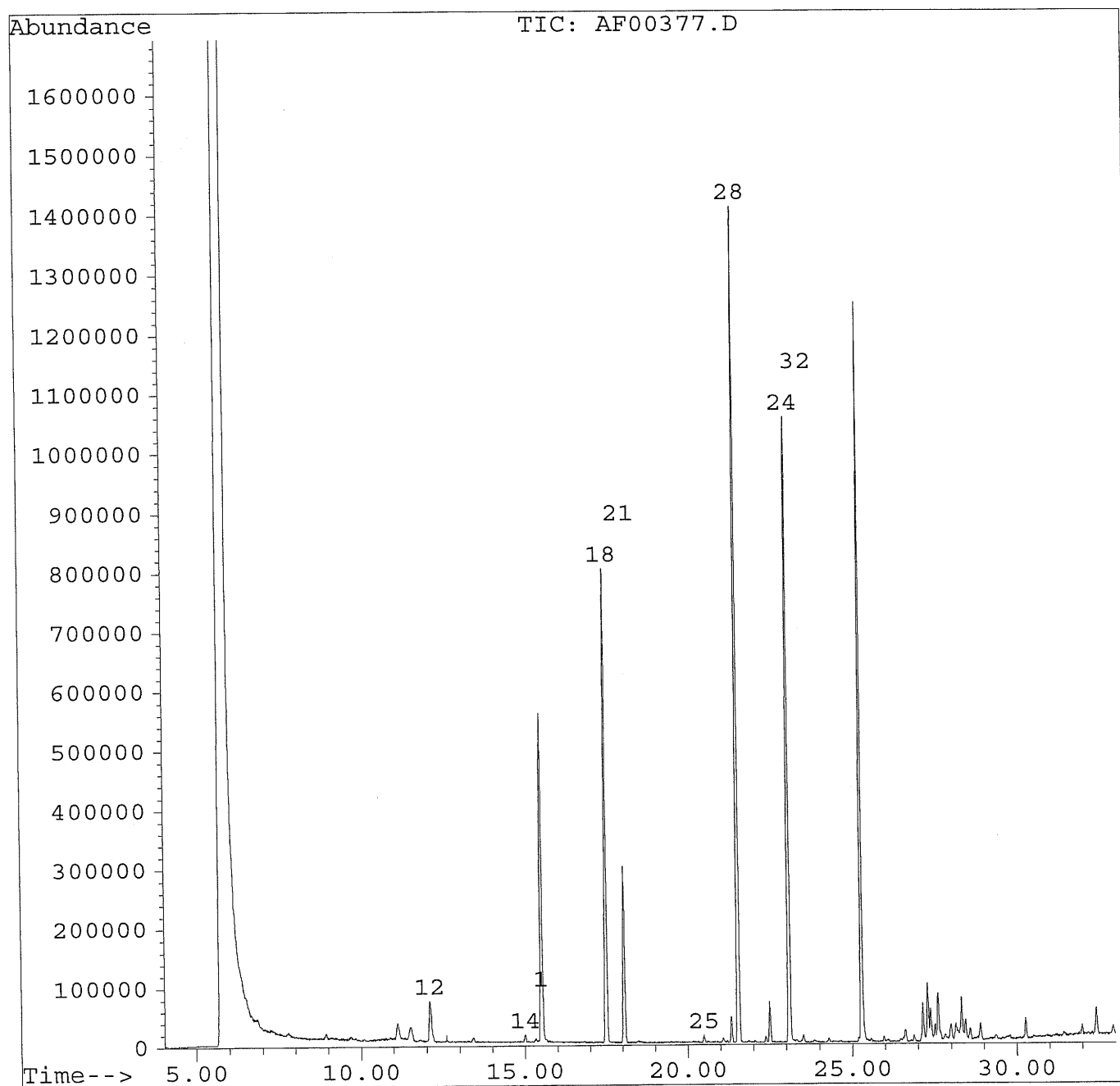


Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00377.D
Acq On : 22 Jun 05 8:56 pm
Sample : 4545503 DF10 25CC
Misc :
Quant Time: Jun 27 10:15 2005

Vial: 15
Operator: JBS
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NON198.M
Title : TO14 SCAN METHOD
Last Update : Mon Jun 27 09:26:49 2005
Response via : Single Level Calibration



8563

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00377.D
 Acq On : 22 Jun 05 8:56 pm
 Sample : 4545503 DF10 25CC
 Misc :
 Quant Time: Jun 27 10:15 2005

Vial: 15
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NON198.M
 Title : TO14 SCAN METHOD
 Last Update : Mon Jun 27 09:26:49 2005
 Response via : Single Level Calibration

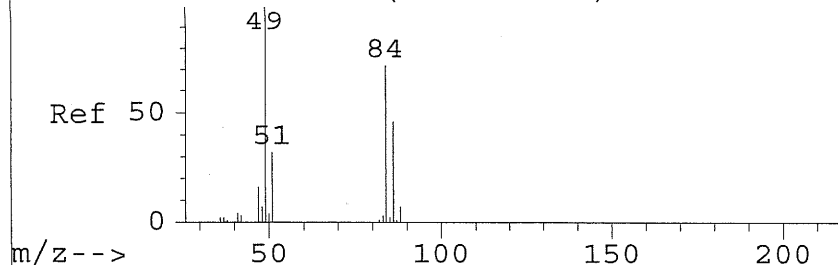
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	15.51	130	415629	10.00	PPB	-0.02
18) 1,4-Difluorobenzene	17.51	114	1204923	10.00	PPB	0.00
24) Chlorobenzene d5	23.11	117	1225689	10.00	PPB	-0.01

System Monitoring Compounds %Recovery

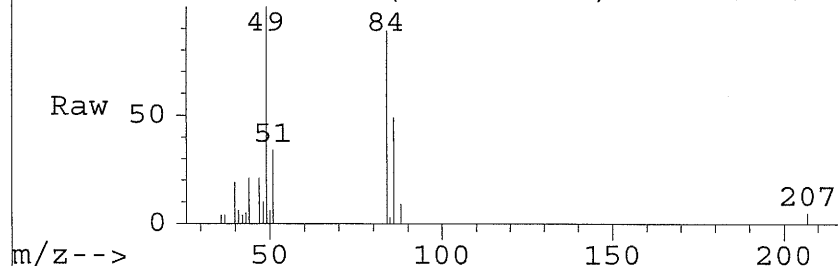
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) Methylene Chloride	12.10	84	74007	6.56	PPB	# 80
14) cis-1,2-Dichloroethene	15.01	61	15161	0.89	PPB	# 74
21) Trichloroethene	18.06	130	188845	9.42	PPB	98
25) Toluene	20.49	91	17872	0.44	PPB	94
28) Tetrachloroethene	21.55	166	787861	28.89	PPB	99
32) m/p-Xylene	23.52	91	15366	0.35	PPB	84

8564

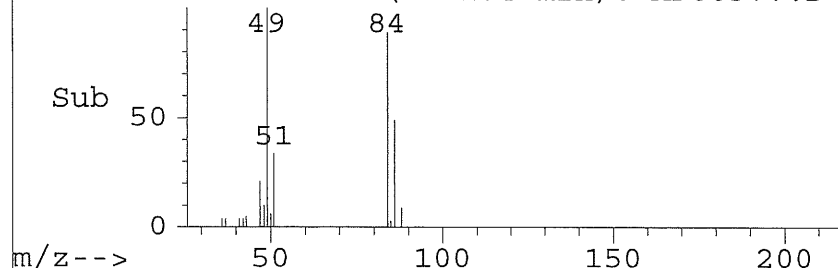
AbundanceScan 1045 (10.198 min): 0301003.D



AbundanceScan 1168 (12.104 min): AF00377.D



AbundanceScan 1168 (12.104 min): AF00377.D



#12

Methylene Chloride

Concen: 6.56 PPB

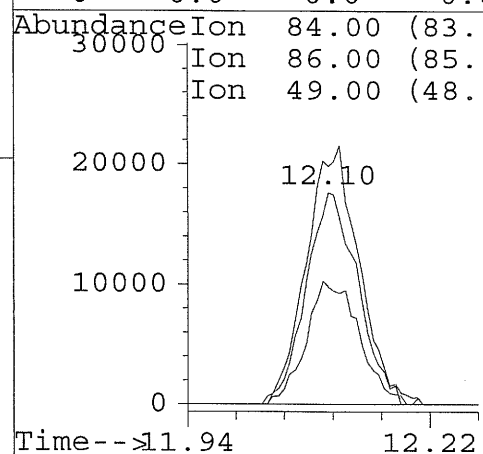
RT: 12.10 min Scan# 1168

Delta R.T. -0.02 min

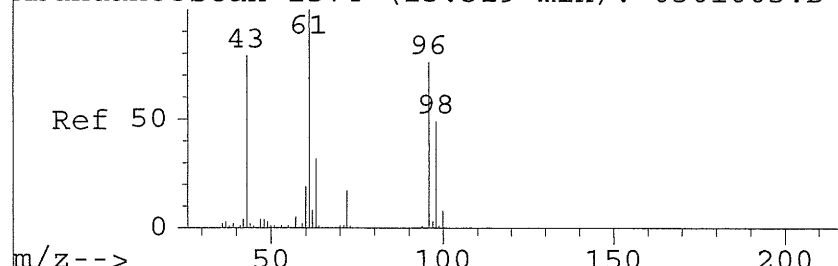
Lab File: AF00377.D

Acq: 22 Jun 05 8:56 pm

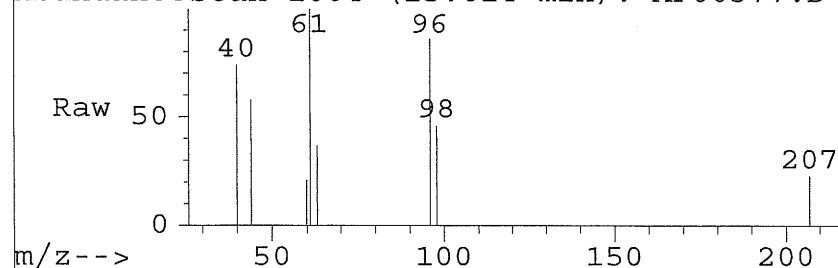
Tgt Ion:	84	Resp:	74007
Ion	Ratio	Lower	Upper
84	100		
86	59.9	43.8	83.8
49	124.9	139.0	179.0#
0	0.0	0.0	0.0



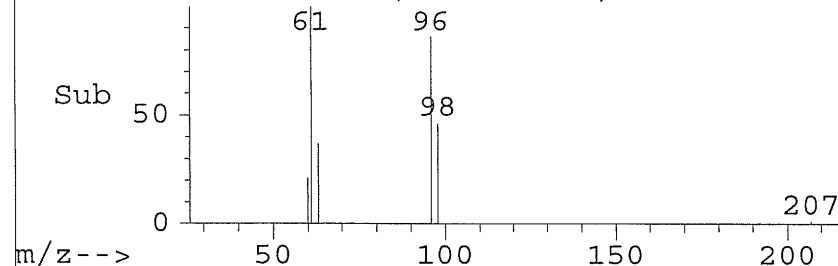
AbundanceScan 1574 (13.319 min): 0301003.D



AbundanceScan 1604 (15.014 min): AF00377.D



AbundanceScan 1604 (15.014 min): AF00377.D



#14

cis-1,2-Dichloroethene

Concen: 0.89 PPB

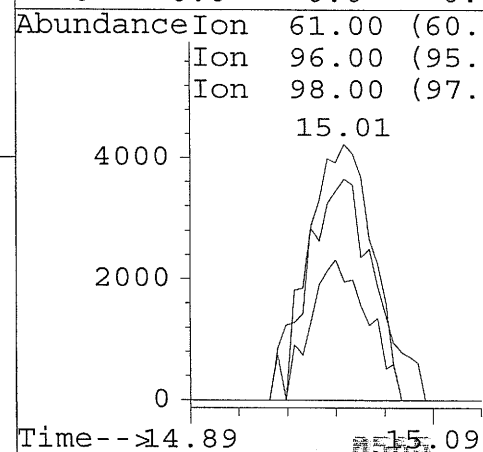
RT: 15.01 min Scan# 1604

Delta R.T. -0.01 min

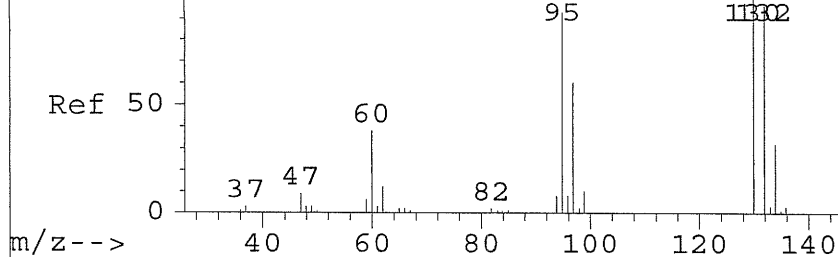
Lab File: AF00377.D

Acq: 22 Jun 05 8:56 pm

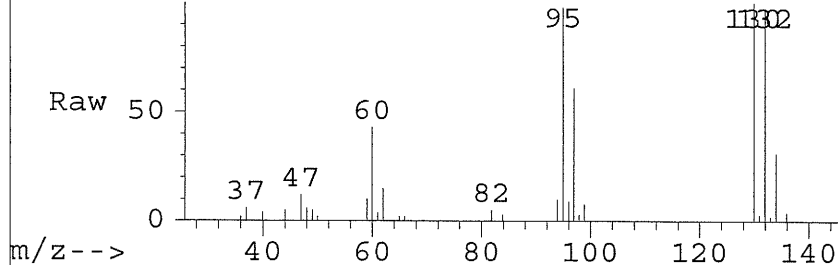
Tgt Ion:	61	Resp:	15161
Ion	Ratio	Lower	Upper
61	100		
96	93.4	45.5	85.5#
98	49.2	21.9	61.9
0	0.0	0.0	0.0



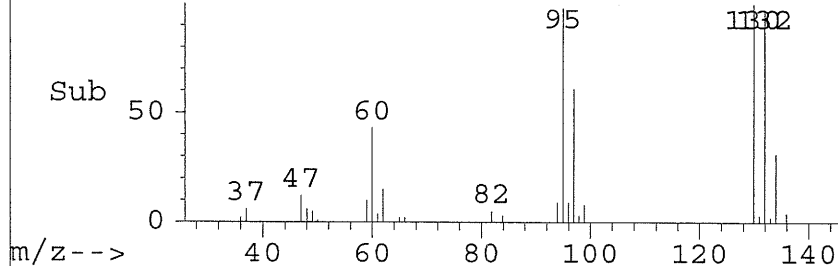
AbundanceScan 2115 (16.513 min): 0301003.D



AbundanceScan 2057 (18.062 min): AF00377.D



AbundanceScan 2057 (18.062 min): AF00377.D



#21

Trichloroethene

Concen: 9.42 PPB

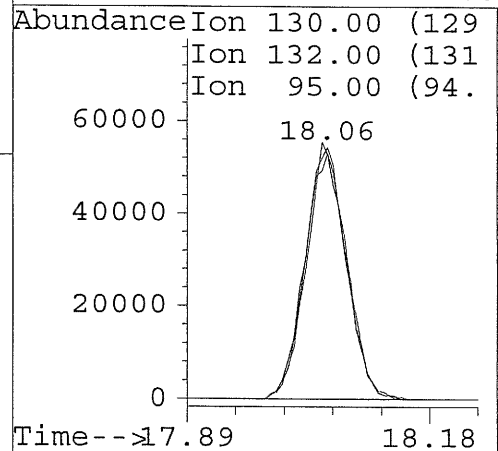
RT: 18.06 min Scan# 2057

Delta R.T. -0.01 min

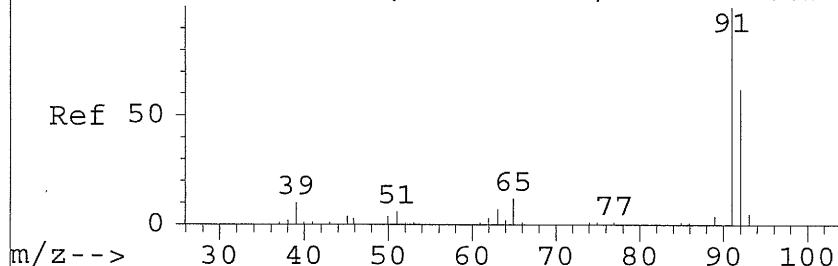
Lab File: AF00377.D

Acq: 22 Jun 05 8:56 pm

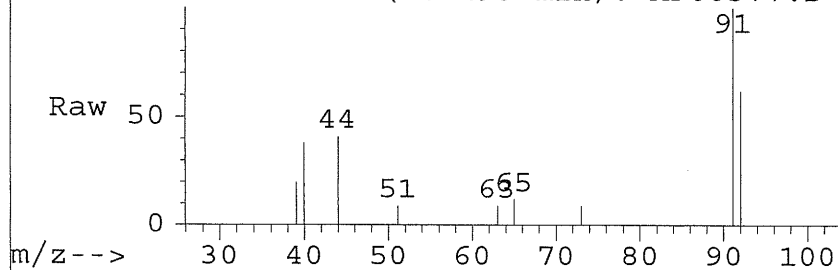
Tgt Ion:	130	Resp:	188845
Ion	Ratio	Lower	Upper
130	100		
132	96.0	76.4	116.4
95	96.2	72.6	112.6
0	0.0	0.0	0.0



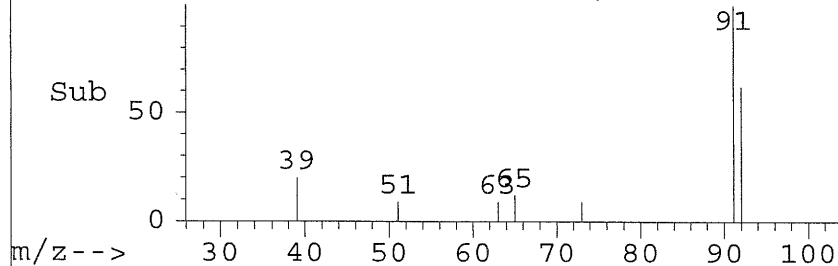
AbundanceScan 2535 (18.992 min): 0301003.D



AbundanceScan 2418 (20.493 min): AF00377.D



AbundanceScan 2418 (20.493 min): AF00377.D



#25

Toluene

Concen: 0.44 PPB

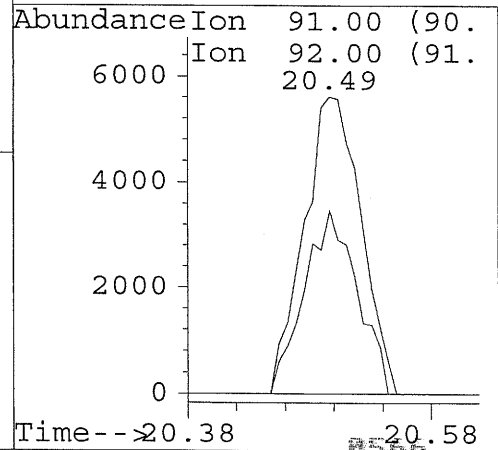
RT: 20.49 min Scan# 2418

Delta R.T. -0.02 min

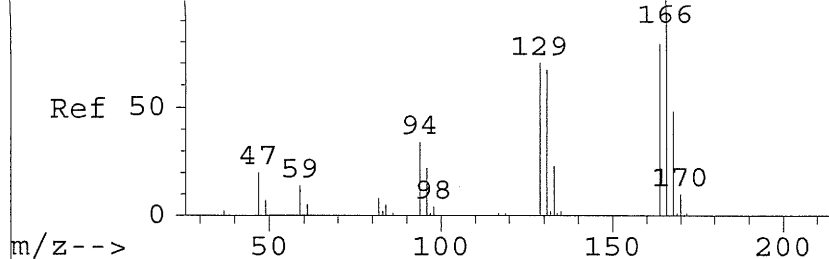
Lab File: AF00377.D

Acq: 22 Jun 05 8:56 pm

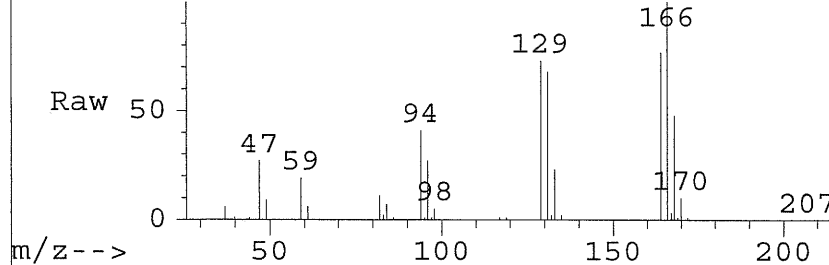
Tgt Ion:	91	Resp:	17872
Ion	Ratio	Lower	Upper
91	100		
92	57.1	41.7	81.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



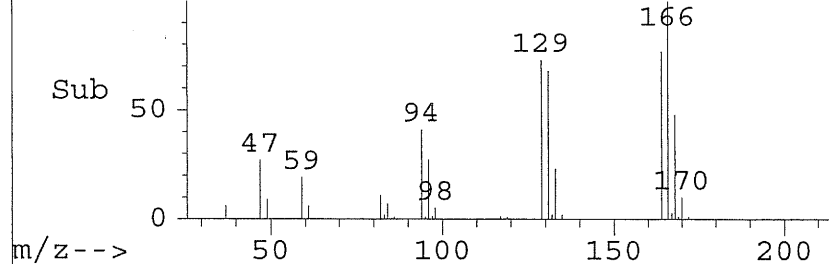
AbundanceScan 2715 (20.056 min): 0301003.D



AbundanceScan 2574 (21.549 min): AF00377.D

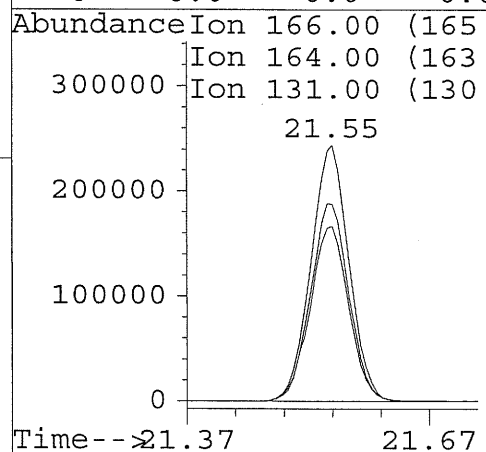


AbundanceScan 2574 (21.549 min): AF00377.D

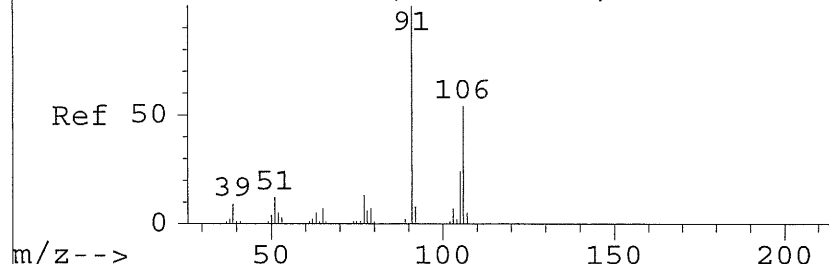


#28
Tetrachloroethene
Concen: 28.89 PPB
RT: 21.55 min Scan# 2574
Delta R.T. -0.01 min
Lab File: AF00377.D
Acq: 22 Jun 05 8:56 pm

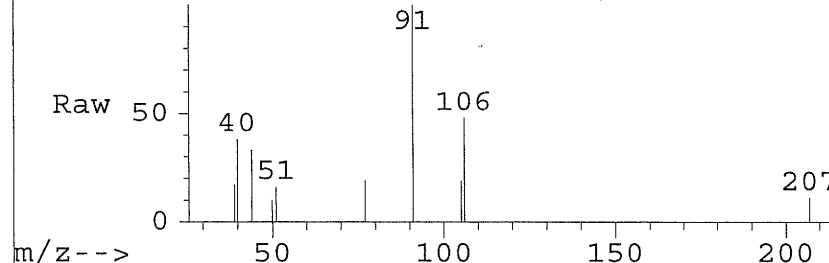
Tgt Ion:	166	Resp:	787861
Ion	Ratio	Lower	Upper
166	100		
164	78.1	58.8	98.8
131	69.4	49.2	89.2
0	0.0	0.0	0.0



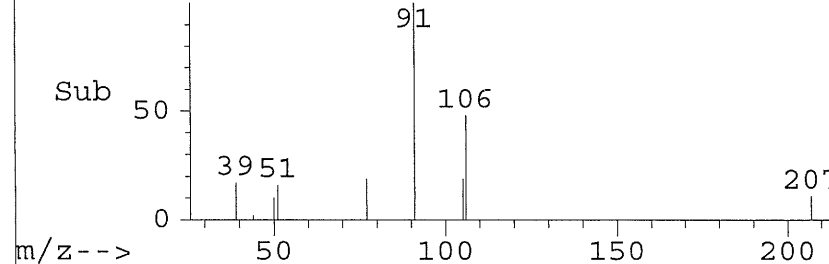
AbundanceScan 3055 (22.064 min): 0301003.D



AbundanceScan 2867 (23.523 min): AF00377.D

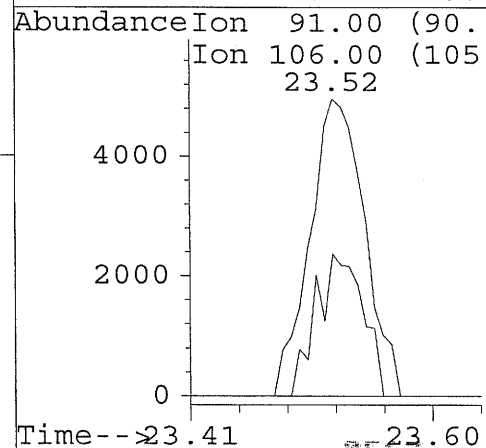


AbundanceScan 2867 (23.523 min): AF00377.D



#32
m/p-Xylene
Concen: 0.35 PPB
RT: 23.52 min Scan# 2867
Delta R.T. -0.02 min
Lab File: AF00377.D
Acq: 22 Jun 05 8:56 pm

Tgt Ion:	91	Resp:	15366
Ion	Ratio	Lower	Upper
91	100		
106	41.1	32.1	72.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Standards Data

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

INITIAL CALIBRATION DATA SHEET

Instrument ID: HP4224

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

STANDARD EPA SAMPLE NO. LAB FILE ID DATE INJECTED TIME INJECTED	CAL1 VSTD010 AF00153.D 06/12/05 21:47	CAL2 VSTD050 AF00152.D 06/12/05 21:05	CAL3 VSTD100 AF00151.D 06/12/05 20:23		
COMPOUND NAME	Relative Response Factor (RRF)				%RSD
	CAL 1	CAL 2	CAL 3	MEAN	
Dichlorodifluoromethane	0.962	0.771	0.719	0.817	16
Freon 114	0.889	0.823	0.720	0.810	11
Chloromethane	0.311	0.287	0.249	0.282	11
Vinyl Chloride	0.339	0.306	0.267	0.304	12
Bromomethane	0.362	0.336	0.301	0.333	9
Chloroethane	0.121	0.144	0.132	0.132	8
Trichlorofluoromethane	0.763	0.670	0.641	0.691	9
1,1-Dichloroethene	0.397	0.427	0.422	0.415	4
Freon 113	0.342	0.353	0.350	0.348	2
3-Chloropropene	0.101	0.098	0.097	0.099	2
Methylene Chloride	0.199	0.210	0.201	0.203	3
1,1-Dichloroethane	0.425	0.461	0.445	0.443	4
cis-1,2-Dichloroethene	0.330	0.342	0.334	0.335	2
Chloroform	0.551	0.497	0.514	0.521	5
1,1,1-Trichloroethane	0.551	0.473	0.485	0.503	8
Carbon Tetrachloride	0.607	0.536	0.548	0.563	7
1,2-Dichloroethane	0.110	0.108	0.109	0.109	1
Benzene	0.190	0.210	0.207	0.202	5
Trichloroethene	0.122	0.115	0.116	0.118	4
1,2-Dichloropropane	0.075	0.085	0.089	0.083	8
cis-1,3-Dichloropropene	0.135	0.145	0.151	0.144	6
Toluene	0.275	0.259	0.271	0.268	3
trans-1,3-Dichloropropene	0.131	0.129	0.134	0.131	2
1,1,2-Trichloroethane	0.112	0.114	0.118	0.115	3
Tetrachloroethene	0.169	0.154	0.153	0.158	6
1,2-Dibromoethane	0.191	0.183	0.195	0.190	3
Chlorobenzene	0.232	0.240	0.238	0.237	2
Ethylbenzene	0.371	0.370	0.373	0.371	0
m/p-Xylene	0.282	0.296	0.311	0.297	5
o-Xylene	0.282	0.286	0.291	0.286	2
Styrene	0.204	0.221	0.223	0.216	5
1,1,2,2-Tetrachloroethane	0.183	0.189	0.194	0.189	3
4-Ethyltoluene	0.373	0.396	0.399	0.390	4
1,3,5-Trimethylbenzene	0.299	0.309	0.313	0.307	2
1,2,4-Trimethylbenzene	0.304	0.313	0.318	0.312	2
1,3-Dichlorobenzene	0.201	0.204	0.201	0.202	1
1,4-Dichlorobenzene	0.200	0.210	0.209	0.206	3
1,2-Dichlorobenzene	0.177	0.182	0.189	0.183	3
1,2,4-Trichlorobenzene	0.111	0.103	0.077	0.097	19

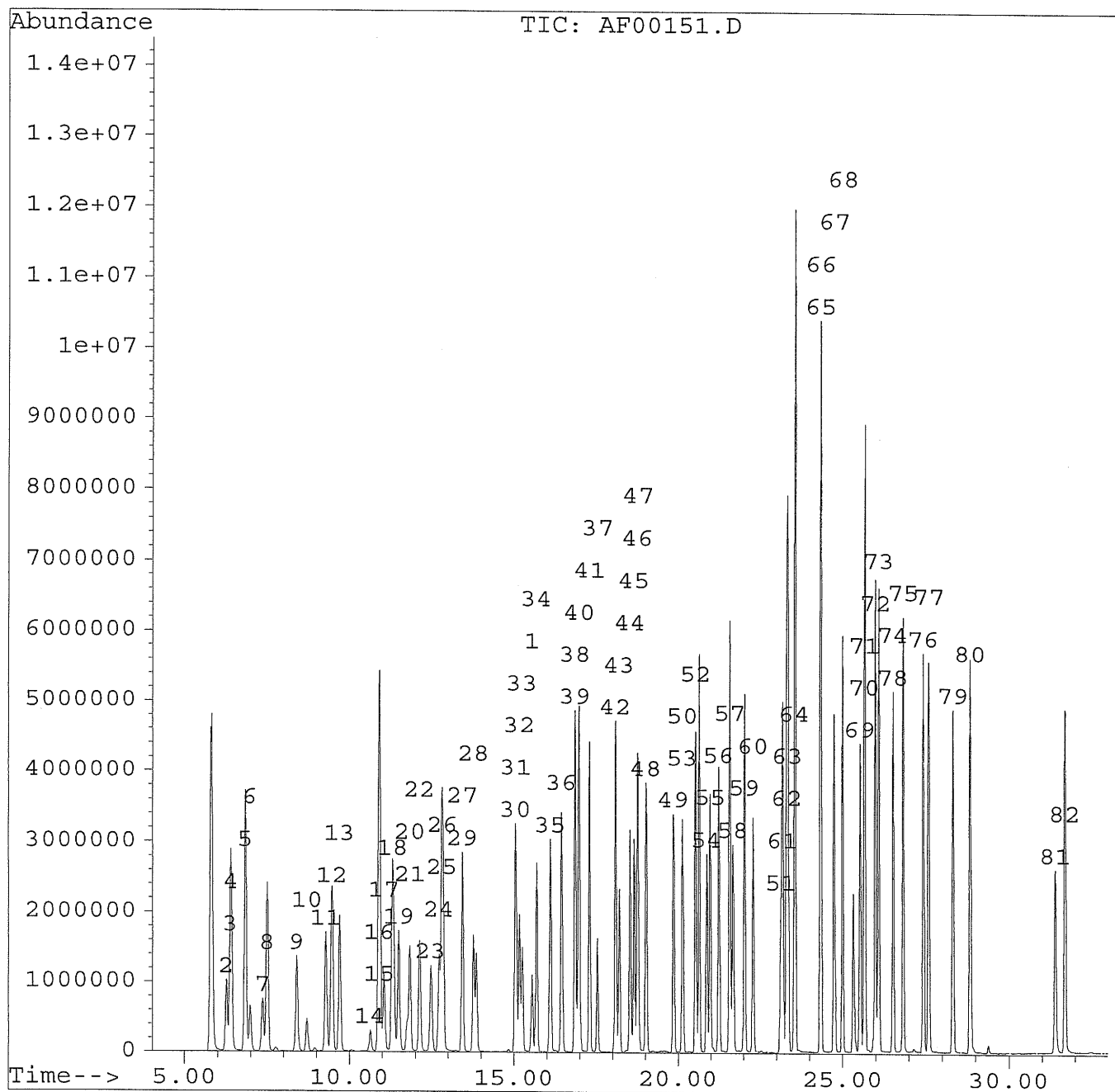
8569

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN12\AF00151.D
 Acq On : 12 Jun 05 8:23 pm
 Sample : VSTD100
 Misc :
 Quant Time: Jun 12 20:56 2005

Vial: 2
 Operator: GMM
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 08 19:48:53 2005
 Response via : Single Level Calibration



8578

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN12\AF00151.D
 Acq On : 12 Jun 05 8:23 pm
 Sample : VSTD100
 Misc :
 Quant Time: Jun 12 20:56 2005

Vial: 2
 Operator: GMM
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 08 19:48:53 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	15.54	130	776800	10.00	PPB	0.00
37) 1,4-Difluorobenzene	17.54	114	2415686	10.00	PPB	0.00
51) Chlorobenzene d5	23.14	117	2198824	10.00	PPB	0.00

System Monitoring Compounds

%Recovery

Target Compounds						Qvalue
2) Propene	6.26	41	1503977	90.36	PPB	96
3) Dichlorodifluoromethane	6.39	85	5613610	65.92	PPB	99
4) Chlorodifluoromethane	6.42	51	3672081	72.95	PPB	97
5) Freon 114	6.83	85	5590848	68.83	PPB	82
6) Chloromethane	6.98	50	1930449	87.78	PPB	99
7) Vinyl Chloride	7.36	62	2074431	84.40	PPB	98
8) 1,3-Butadiene	7.50	54	2692153	84.64	PPB	89
9) Bromomethane	8.40	94	2334312	68.92	PPB	100
10) Chloroethane	8.71	64	1027229	81.96	PPB	100
11) Dichlorofluoromethane	9.28	67	4262346	77.21	PPB	# 86
12) Trichlorofluoromethane	9.47	101	4977127	68.25	PPB	100
13) Pentane	9.70	43	2966250	100.74	PPB	96
14) Acrolein	10.63	56	614368	143.85	PPB	97
15) 1,1-Dichloroethene	10.90	61	3276743	81.27	PPB	89
16) Freon 113	10.91	103	2719669	79.31	PPB	94
17) Acetone	11.05	43	3201397	159.87	PPB	92
18) Methyl Iodide	11.31	142	6070311	88.46	PPB	96
19) Carbon Disulfide	11.50	76	6065569	91.31	PPB	# 94
20) Acetonitrile	11.84	41	2283976	82.00	PPB	# 9
21) 3-Chloropropene	11.84	76	752023	84.94	PPB	# 68
22) Methylene Chloride	12.13	84	1560753	78.08	PPB	# 81
23) tert-Butyl Alcohol	12.48	59	3559229	377.77	PPB	96
24) Acrylonitrile	12.73	53	2418373	127.39	PPB	94
25) trans-1,2-Dichloroethene	12.81	61	2894404	92.25	PPB	# 79
26) Methyl t-Butyl Ether	12.85	73	4732809	96.87	PPB	# 89
27) Hexane	13.44	57	2610504	101.48	PPB	# 83
28) 1,1-Dichloroethane	13.78	63	3283570	76.96	PPB	100
29) Vinyl Acetate	13.44	43	1743121	96.52	PPB	# 83
30) cis-1,2-Dichloroethene	15.04	61	2463968	78.80	PPB	# 65
31) 2-Butanone	15.06	72	827877	230.06	PPB	# 1
32) Ethyl Acetate	15.17	70	441710	359.26	PPB	# 100
33) Methyl Acrylate	15.25	55	3238406	157.73	PPB	96
34) Chloroform	15.68	83	3990747	75.52	PPB	93
35) 1,1,1-Trichloroethane	16.10	97	3768902	66.56	PPB	90
36) Carbon Tetrachloride	16.45	117	4043154	67.85	PPB	99
38) 1,2-Dichloroethane	16.87	62	2621369	70.56	PPB	96
39) Benzene	16.86	78	4995988	86.72	PPB	96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN12\AF00151.D
 Acq On : 12 Jun 05 8:23 pm
 Sample : VSTD100
 Misc :
 Quant Time: Jun 12 20:56 2005

Vial: 2
 Operator: GMM
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 08 19:48:53 2005
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
40) Isooctane	16.98	57	8584224	100.04	PPB	# 93
41) Heptane	17.30	43	3386867	103.05	PPB	# 86
42) Trichloroethene	18.09	130	2792190	83.56	PPB	# 88
43) Ethyl Acrylate	18.21	55	4389727	334.37	PPB	# 97
44) 1,2-Dichloropropane	18.53	63	2153654	92.10	PPB	# 95
45) Methyl Methacrylate	18.65	69	1923136	188.92	PPB	# 75
46) Dibromomethane	18.76	174	2731603	79.54	PPB	# 85
47) 1,4-Dioxane	18.78	88	1026646	1146.08	PPB	# 77
48) Bromodichloromethane	19.02	83	4298249	71.86	PPB	# 99
49) cis-1,3-Dichloropropene	19.86	75	3283206	74.37	PPB	# 82
50) 4-Methyl-2-Pentanone	20.12	43	4514705	958.40	PPB	# 90
52) Toluene	20.53	91	5953011	80.93	PPB	100
53) Octane	20.12	43	4514705	923.08	PPB	# 74
54) trans-1,3-Dichloropropene	20.87	75	2656102	67.67	PPB	# 55
55) Ethyl Methacrylate	20.98	69	3308251	531.45	PPB	# 77
56) 1,1,2-Trichloroethane	21.24	97	2464971	77.37	PPB	# 92
57) Tetrachloroethene	21.58	166	3364917	75.05	PPB	# 99
58) 2-Hexanone	21.68	43	4163151	1576.81	PPB	# 88
59) Dibromochloromethane	22.03	127	4011386	76.43	PPB	# 97
60) 1,2-Dibromoethane	22.29	107	4283632	82.42	PPB	# 99
61) Chlorobenzene	23.19	112	5234851	82.57	PPB	# 88
62) 1,1,1,2-Tetrachloroethane	23.32	131	2925513	77.29	PPB	# 96
63) Ethylbenzene	23.35	91	8212351	77.79	PPB	# 95
64) m/p-Xylene	23.56	91	13352632	165.26	PPB	# 92
65) o-Xylene	24.33	91	6402187	81.79	PPB	# 94
66) Styrene	24.35	104	4900569	84.44	PPB	# 82
67) Bromoform	24.75	173	4442239	72.67	PPB	# 96
68) Cumene	25.01	105	7587060	90.96	PPB	# 94
69) 1,1,2,2-Tetrachloroethane	25.53	83	4483227	87.67	PPB	# 99
70) 1,2,3-Trichloropropane	25.65	110	1230675	84.73	PPB	# 90
71) Bromobenzene	25.67	156	2853058	79.59	PPB	# 99
72) 4-Ethyltoluene	25.99	105	8332038	84.35	PPB	# 95
73) 1,3,5-Trimethylbenzene	26.09	105	6882788	92.81	PPB	# 90
74) Alpha Methyl Styrene	26.52	118	2864064	96.28	PPB	# 87
75) 1,2,4-Trimethylbenzene	26.82	105	6652116	87.80	PPB	# 93
76) 1,3-Dichlorobenzene	27.43	146	4424061	79.99	PPB	# 94
77) 1,4-Dichlorobenzene	27.60	146	4602011	83.68	PPB	# 92
78) Benzyl Chloride	26.52	91	650109	78.57	PPB	# 100
79) 1,2-Dichlorobenzene	28.33	146	4156439	87.06	PPB	# 97
80) Hexachloroethane	28.84	117	2726766	72.27	PPB	# 97
81) 1,2,4-Trichlorobenzene	31.40	180	1684807	77.84	PPB	# 60
82) Hexachlorobutadiene	31.70	225	2049834	70.98	PPB	# 98

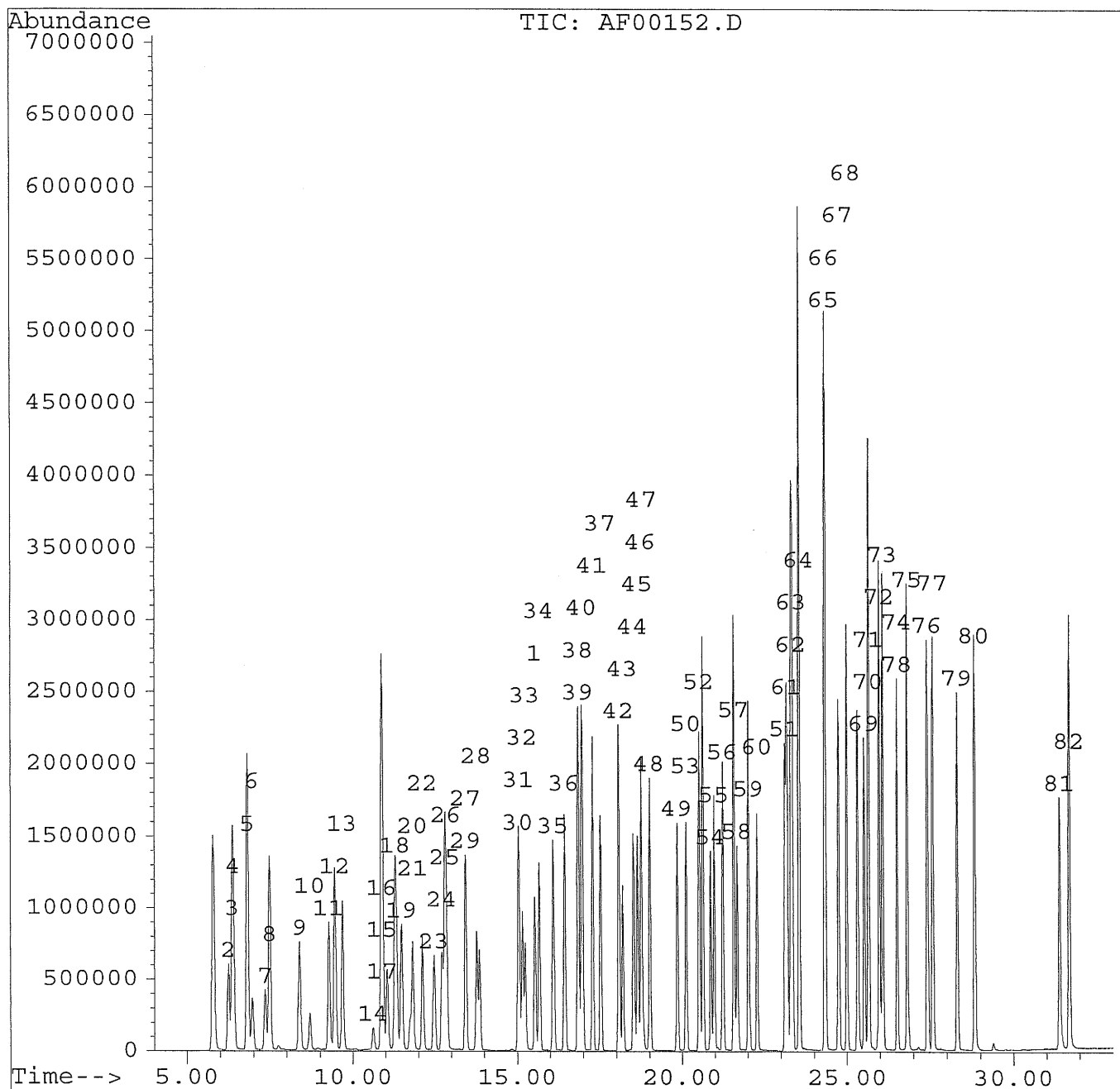
0572

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN12\AF00152.D
 Acq On : 12 Jun 05 9:05 pm
 Sample : VSTD050
 Misc :
 Quant Time: Jun 12 21:38 2005

Vial: 3
 Operator: GMM
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Sun Jun 12 21:24:31 2005
 Response via : Single Level Calibration



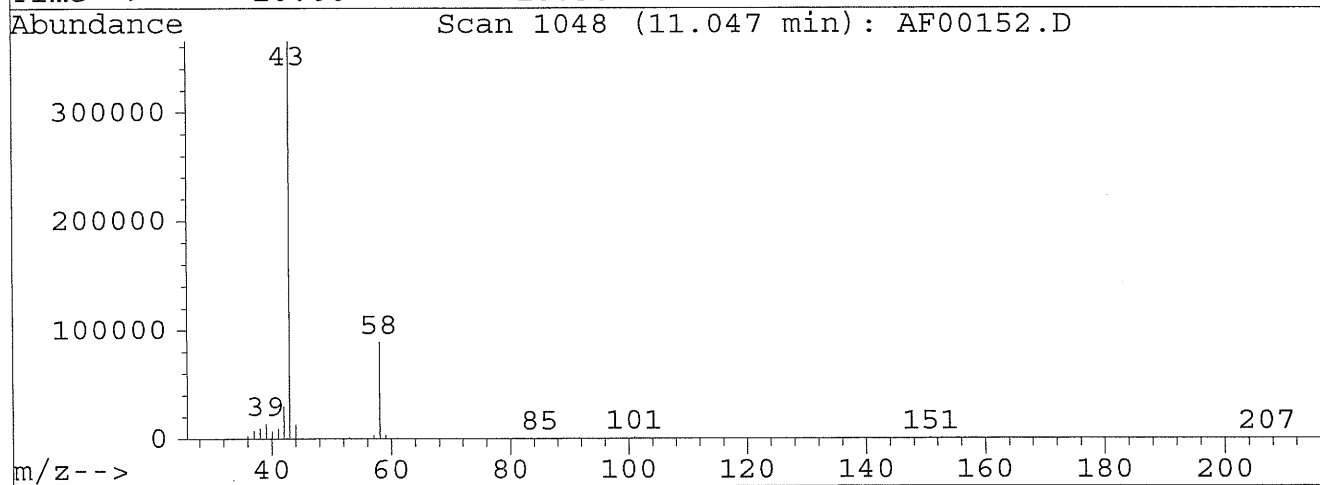
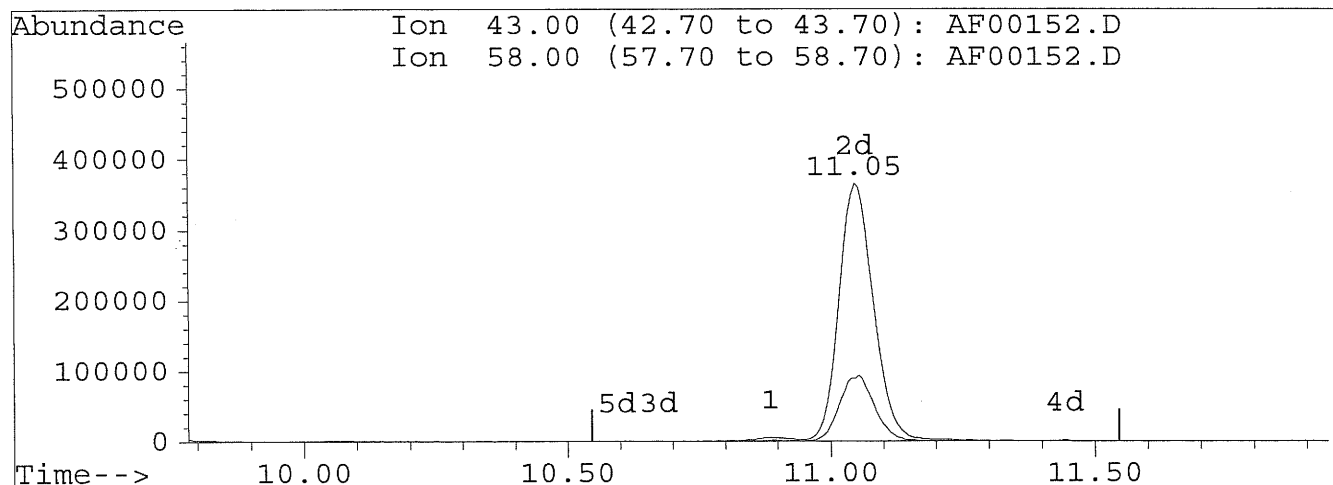
0573

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN12\AF00152.D
 Acq On : 12 Jun 05 9:05 pm
 Sample : VSTD050
 Misc :
 Quant Time: Jun 12 22:35 2005

Vial: 3
 Operator: GMM
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Sun Jun 12 22:32:36 2005
 Response via : Single Level Calibration



TIC: AF00152.D

(17) Acetone
 11.05min 85.65PPB m
 response 1676680

Ion	Exp%	Act%
43.00	100	100
58.00	21.60	24.43
0.00	0.00	0.00
0.00	0.00	0.00

*Missed Peak
 from MS
 6/13/05*

*RD 61M
 8/25/04*

8574

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN12\AF00152.D
 Acq On : 12 Jun 05 9:05 pm
 Sample : VSTD050
 Misc :
 Quant Time: Jun 12 22:35 2005

Vial: 3
 Operator: GMM
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Tue Aug 23 18:59:56 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	15.53	130	759421	10.00	PPB	-0.01
37) 1,4-Difluorobenzene	17.53	114	2362370	10.00	PPB	0.00
51) Chlorobenzene d5	23.13	117	2252612	10.00	PPB	0.00

System Monitoring Compounds %Recovery

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propene	6.25	41	907111	55.75	PPB	96
3) Dichlorodifluoromethane	6.37	85	2942376	35.34	PPB	99
4) Chlorodifluoromethane	6.41	51	1984084	40.32	PPB	98
5) Freon 114	6.82	85	3123469	39.34	PPB	82
6) Chloromethane	6.97	50	1090194	50.71	PPB	100
7) Vinyl Chloride	7.35	62	1160216	48.29	PPB	98
8) 1,3-Butadiene	7.49	54	1466228	47.15	PPB	90
9) Bromomethane	8.39	94	1277267	38.57	PPB	100
10) Chloroethane	8.70	64	545021	44.48	PPB	99
11) Dichlorofluoromethane	9.27	67	2253743	41.76	PPB	# 86
12) Trichlorofluoromethane	9.45	101	2544612	35.69	PPB	99
13) Pentane	9.69	43	1597899	55.51	PPB	95
14) Acrolein	10.62	56	312419	74.82	PPB	98
15) 1,1-Dichloroethene	10.89	61	1621543	41.14	PPB	88
16) Freon 113	10.89	103	1340999	40.00	PPB	95
17) Acetone	11.05	43	1676680	85.65	PPB	m 93
18) Methyl Iodide	11.29	142	3015819	44.95	PPB	96
19) Carbon Disulfide	11.49	76	3112833	47.93	PPB	# 93
20) Acetonitrile	11.82	41	1658676	60.91	PPB	# 24
21) 3-Chloropropene	11.82	76	372981	43.09	PPB	# 69
22) Methylene Chloride	12.12	84	798302	40.85	PPB	# 82
23) tert-Butyl Alcohol	12.49	59	1837643	199.51	PPB	96
24) Acrylonitrile	12.72	53	1207865	65.08	PPB	93
25) trans-1,2-Dichloroethene	12.80	61	1413433	46.08	PPB	# 78
26) Methyl t-Butyl Ether	12.86	73	2359680	49.40	PPB	# 89
27) Hexane	13.44	57	1266858	50.37	PPB	# 83
28) 1,1-Dichloroethane	13.77	63	1661773	39.84	PPB	100
29) Vinyl Acetate	13.44	43	863171	48.89	PPB	# 86
30) cis-1,2-Dichloroethene	15.02	61	1232242	40.31	PPB	# 64
31) 2-Butanone	15.06	72	425259	120.88	PPB	# 1
32) Ethyl Acetate	15.16	70	217262	180.75	PPB	# 100
33) Methyl Acrylate	15.24	55	1599500	79.69	PPB	96
34) Chloroform	15.67	83	1886003	36.51	PPB	93
35) 1,1,1-Trichloroethane	16.10	97	1796563	32.46	PPB	90
36) Carbon Tetrachloride	16.44	117	1932323	33.17	PPB	99
38) 1,2-Dichloroethane	16.86	62	1275598	35.11	PPB	96
39) Benzene	16.85	78	2480379	44.02	PPB	96

(#) = qualifier out of range (m) = manual integration
 AF00152.D ALL198.M Fri Aug 26 00:44:54 2005

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN12\AF00152.D
 Acq On : 12 Jun 05 9:05 pm
 Sample : VSTD050
 Misc :
 Quant Time: Jun 12 22:35 2005

Vial: 3
 Operator: GMM
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Tue Aug 23 18:59:56 2005
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
40) Isooctane	16.97	57	4168969	49.68	PPB	# 93
41) Heptane	17.30	43	1682100	52.34	PPB	# 88
42) Trichloroethene	18.09	130	1353023	41.40	PPB	# 89
43) Ethyl Acrylate	18.20	55	2215659	172.58	PPB	# 97
44) 1,2-Dichloropropane	18.53	63	1006398	44.01	PPB	# 94
45) Methyl Methacrylate	18.65	69	953480	95.78	PPB	# 74
46) Dibromomethane	18.76	174	1337594	39.83	PPB	# 86
47) 1,4-Dioxane	18.79	88	528467	603.26	PPB	# 78
48) Bromodichloromethane	19.01	83	2084738	35.64	PPB	# 99
49) cis-1,3-Dichloropropene	19.85	75	1544023	35.77	PPB	# 82
50) 4-Methyl-2-Pentanone	20.13	43	2183949	474.08	PPB	# 89
52) Toluene	20.52	91	2917539	38.72	PPB	100
53) Octane	20.13	43	2183949	435.87	PPB	# 74
54) trans-1,3-Dichloropropene	20.87	75	1308757	32.55	PPB	# 54
55) Ethyl Methacrylate	20.97	69	1602415	251.27	PPB	# 78
56) 1,1,2-Trichloroethane	21.24	97	1222555	37.46	PPB	92
57) Tetrachloroethene	21.57	166	1730694	37.68	PPB	100
58) 2-Hexanone	21.68	43	1946353	719.58	PPB	# 86
59) Dibromochloromethane	22.02	127	1933245	35.96	PPB	98
60) 1,2-Dibromoethane	22.29	107	2065958	38.80	PPB	100
61) Chlorobenzene	23.19	112	2700362	41.58	PPB	88
62) 1,1,1,2-Tetrachloroethane	23.31	131	1437424	37.07	PPB	96
63) Ethylbenzene	23.34	91	4162072	38.48	PPB	94
64) m/p-Xylene	23.56	91	6510666	78.65	PPB	92
65) o-Xylene	24.32	91	3220861	40.16	PPB	93
66) Styrene	24.34	104	2489275	41.87	PPB	82
67) Bromoform	24.75	173	2169152	34.64	PPB	96
68) Cumene	25.00	105	3805196	44.53	PPB	# 93
69) 1,1,2,2-Tetrachloroethane	25.52	83	2231532	42.60	PPB	99
70) 1,2,3-Trichloropropane	25.65	110	596892	40.11	PPB	92
71) Bromobenzene	25.66	156	1440345	39.22	PPB	98
72) 4-Ethyltoluene	25.98	105	4242273	41.92	PPB	95
73) 1,3,5-Trimethylbenzene	26.08	105	3476569	45.76	PPB	90
74) Alpha Methyl Styrene	26.52	118	1487399	48.81	PPB	# 87
75) 1,2,4-Trimethylbenzene	26.82	105	3345331	43.10	PPB	92
76) 1,3-Dichlorobenzene	27.43	146	2295547	40.52	PPB	94
77) 1,4-Dichlorobenzene	27.59	146	2363653	41.95	PPB	93
78) Benzyl Chloride	26.52	91	333022	39.28	PPB	# 100
79) 1,2-Dichlorobenzene	28.32	146	2050066	41.91	PPB	98
80) Hexachloroethane	28.84	117	1384920	35.83	PPB	98
81) 1,2,4-Trichlorobenzene	31.40	180	1159149	52.27	PPB	# 61
82) Hexachlorobutadiene	31.69	225	1270166	42.93	PPB	98

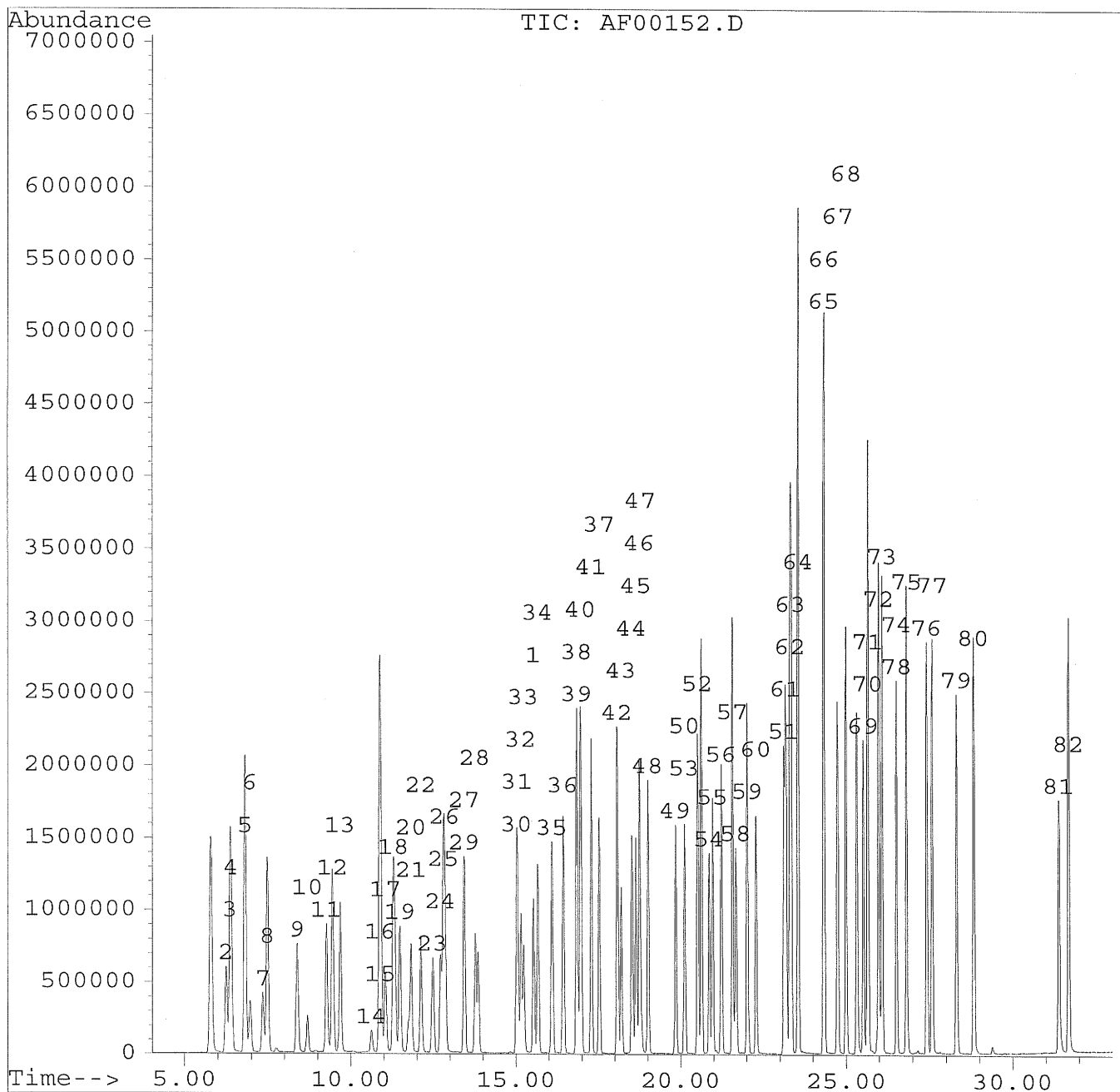
8576

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN12\AF00152.D
 Acq On : 12 Jun 05 9:05 pm
 Sample : VSTD050
 Misc :
 Quant Time: Jun 12 22:35 2005

Vial: 3
 Operator: GMM
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Tue Aug 23 18:59:56 2005
 Response via : Single Level Calibration



0577

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN12\AF00153.D
 Acq On : 12 Jun 05 9:47 pm
 Sample : VSTD010
 Misc :
 Quant Time: Jun 12 22:20 2005

Vial: 4
 Operator: GMM
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Sun Jun 12 21:24:31 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Bromochloromethane	15.53	130	487215	10.00	PPB	-0.01
37) 1,4-Difluorobenzene	17.52	114	1535580	10.00	PPB	-0.01
51) Chlorobenzene d5	23.13	117	1319331	10.00	PPB	0.00

System Monitoring Compounds %Recovery

Target Compounds						Qvalue
2) Propene	6.25	41	104849	10.04	PPB	99
3) Dichlorodifluoromethane	6.37	85	471234	8.82	PPB	99
4) Chlorodifluoromethane	6.40	51	273776	8.67	PPB	# 91
5) Freon 114	6.82	85	433039	8.50	PPB	84
6) Chloromethane	6.98	50	151294	10.97	PPB	96
7) Vinyl Chloride	7.35	62	165327	10.73	PPB	98
8) 1,3-Butadiene	7.48	54	193411	9.70	PPB	90
9) Bromomethane	8.39	94	176387	8.30	PPB	100
10) Chloroethane	8.69	64	59098	7.52	PPB	97
11) Dichlorofluoromethane	9.27	67	268060	7.74	PPB	# 87
12) Trichlorofluoromethane	9.44	101	371979	8.13	PPB	99
13) Pentane	9.68	43	164262	8.89	PPB	97
14) Acrolein	10.65	56	30499	11.39	PPB	98
15) 1,1-Dichloroethene	10.89	61	193514	7.65	PPB	87
16) Freon 113	10.89	103	166634	7.75	PPB	95
17) Acetone	11.08	43	194898	15.52	PPB	97
18) Methyl Iodide	11.29	142	388383	9.02	PPB	100
19) Carbon Disulfide	11.48	76	388601	9.33	PPB	98
20) Acetonitrile	11.82	41	169111	9.68	PPB	# 41
21) 3-Chloropropene	11.81	76	20801	3.75	PPB	# 1
22) Methylene Chloride	12.12	84	96790	7.72	PPB	# 78
23) tert-Butyl Alcohol	12.53	59	216103	36.57	PPB	96
24) Acrylonitrile	12.72	53	121426	10.20	PPB	98
25) trans-1,2-Dichloroethene	12.79	61	166212	8.45	PPB	# 72
26) Methyl t-Butyl Ether	12.88	73	286841	9.36	PPB	92
27) Hexane	13.43	57	138694	8.60	PPB	# 87
28) 1,1-Dichloroethane	13.77	63	196575	7.35	PPB	99
29) Vinyl Acetate	13.43	43	93963	8.29	PPB	# 77
30) cis-1,2-Dichloroethene	15.03	61	152671	7.78	PPB	# 54
31) 2-Butanone	15.07	72	50344	22.31	PPB	# 1
32) Ethyl Acetate	15.18	70	24480	31.74	PPB	# 100
33) Methyl Acrylate	15.25	55	183835	14.28	PPB	# 94
34) Chloroform	15.66	83	268507	8.10	PPB	92
35) 1,1,1-Trichloroethane	16.09	97	268455	7.56	PPB	89
36) Carbon Tetrachloride	16.44	117	280731	7.51	PPB	98
38) 1,2-Dichloroethane	16.85	62	168348	7.13	PPB	96
39) Benzene	16.85	78	292185	7.98	PPB	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN12\AF00153.D
 Acq On : 12 Jun 05 9:47 pm
 Sample : VSTD010
 Misc :
 Quant Time: Jun 12 22:20 2005

Vial: 4
 Operator: GMM
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : T014 SCAN METHOD
 Last Update : Sun Jun 12 21:24:31 2005
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
40) Isooctane	16.97	57	462059	8.47	PPB	# 97
41) Heptane	17.29	43	190633	9.12	PPB	# 83
42) Trichloroethene	18.08	130	188029	8.85	PPB	90
43) Ethyl Acrylate	18.22	55	244379	29.28	PPB	# 96
44) 1,2-Dichloropropane	18.52	63	115846	7.79	PPB	97
45) Methyl Methacrylate	18.66	69	108112	16.71	PPB	# 74
46) Dibromomethane	18.75	174	188575	8.64	PPB	83
47) 1,4-Dioxane	18.76	88	221	0.39	PPB	# 14
48) Bromodichloromethane	19.01	83	286419	7.53	PPB	# 98
49) cis-1,3-Dichloropropene	19.85	75	186488	6.65	PPB	84
50) 4-Methyl-2-Pentanone	20.14	43	238552	79.67	PPB	# 92
52) Toluene	20.52	91	362792	8.22	PPB	100
53) Octane	20.14	43	238552	81.29	PPB	# 75
54) trans-1,3-Dichloropropene	20.87	75	155717	6.61	PPB	# 57
55) Ethyl Methacrylate	20.98	69	173813	46.54	PPB	# 79
56) 1,1,2-Trichloroethane	21.23	97	140477	7.35	PPB	90
57) Tetrachloroethene	21.56	166	222421	8.27	PPB	98
58) 2-Hexanone	21.69	43	213066	134.50	PPB	# 91
59) Dibromochloromethane	22.02	127	229300	7.28	PPB	96
60) 1,2-Dibromoethane	22.28	107	251752	8.07	PPB	100
61) Chlorobenzene	23.19	112	306016	8.04	PPB	89
62) 1,1,1,2-Tetrachloroethane	23.31	131	173130	7.62	PPB	96
63) Ethylbenzene	23.34	91	490027	7.74	PPB	96
64) m/p-Xylene	23.55	91	724951	14.95	PPB	94
65) o-Xylene	24.32	91	372115	7.92	PPB	95
66) Styrene	24.34	104	268688	7.72	PPB	84
67) Bromoform	24.75	173	272101	7.42	PPB	97
68) Cumene	25.00	105	433242	8.66	PPB	95
69) 1,1,2,2-Tetrachloroethane	25.52	83	253555	8.26	PPB	99
70) 1,2,3-Trichloropropane	25.65	110	72787	8.35	PPB	87
71) Bromobenzene	25.67	156	172132	8.00	PPB	98
72) 4-Ethyltoluene	25.98	105	467887	7.89	PPB	95
73) 1,3,5-Trimethylbenzene	26.09	105	395031	8.88	PPB	94
74) Alpha Methyl Styrene	26.52	118	162868	9.12	PPB	# 87
75) 1,2,4-Trimethylbenzene	26.82	105	381531	8.39	PPB	95
76) 1,3-Dichlorobenzene	27.42	146	264621	7.97	PPB	95
77) 1,4-Dichlorobenzene	27.59	146	263316	7.98	PPB	93
78) Benzyl Chloride	26.52	91	39016	7.86	PPB	# 100
79) 1,2-Dichlorobenzene	28.33	146	233857	8.16	PPB	96
80) Hexachloroethane	28.83	117	142606	6.30	PPB	92
81) 1,2,4-Trichlorobenzene	31.40	180	146780	11.30	PPB	# 61
82) Hexachlorobutadiene	31.69	225	171613	9.90	PPB	98

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

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

CONTINUING CALIBRATION DATA SHEET

Instrument ID: HP4224
EPA SAMPLE NO.: VSTD050

Data File: C:\HPCHEM\1\DATA\JUN13\AF00172.D
DATE INJECTED: 06/13/05 TIME INJECTED: 18:30

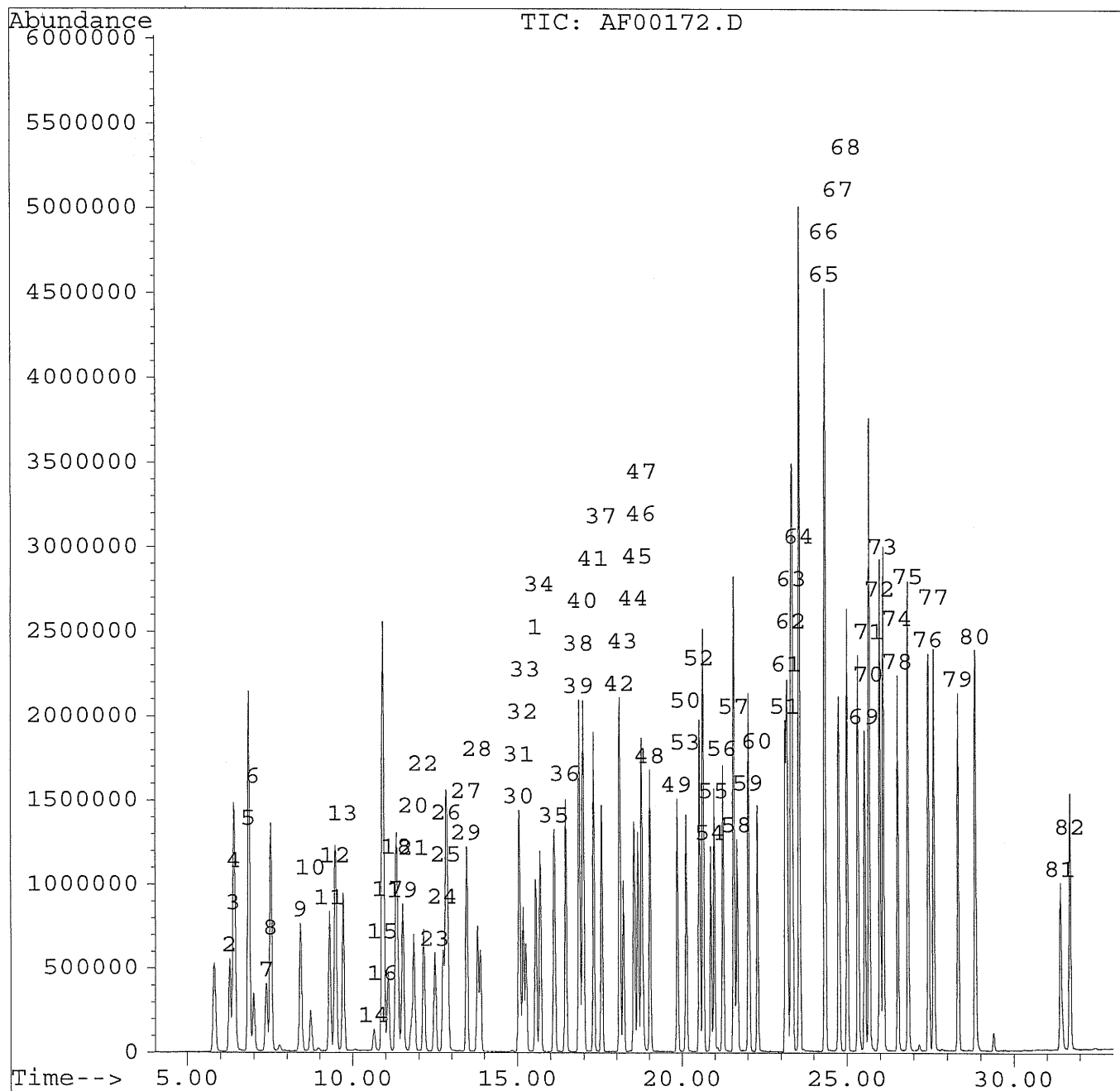
COMPOUND NAME	ICAL MEAN RRF	CCAL RRF	%D
Dichlorodifluoromethane	0.817	0.788	-4
Freon 114	0.810	0.902	11
Chloromethane	0.282	0.285	1
Vinyl Chloride	0.304	0.310	2
Bromomethane	0.333	0.368	10
Chloroethane	0.132	0.148	12
Trichlorofluoromethane	0.691	0.705	2
1,1-Dichloroethene	0.415	0.419	1
Freon 113	0.348	0.344	-1
3-Chloropropene	0.099	0.096	-2
Methylene Chloride	0.203	0.206	1
1,1-Dichloroethane	0.443	0.434	-2
cis-1,2-Dichloroethene	0.335	0.324	-3
Chloroform	0.521	0.496	-5
1,1,1-Trichloroethane	0.503	0.471	-6
Carbon Tetrachloride	0.563	0.525	-7
1,2-Dichloroethane	0.109	0.102	-6
Benzene	0.202	0.190	-6
Trichloroethene	0.118	0.119	1
1,2-Dichloropropane	0.083	0.080	-3
cis-1,3-Dichloropropene	0.144	0.140	-3
Toluene	0.268	0.245	-8
trans-1,3-Dichloropropene	0.131	0.116	-10
1,1,2-Trichloroethane	0.115	0.104	-10
Tetrachloroethene	0.158	0.146	-8
1,2-Dibromoethane	0.190	0.174	-8
Chlorobenzene	0.237	0.215	-9
Ethylbenzene	0.371	0.334	-10
m/p-Xylene	0.297	0.269	-9
o-Xylene	0.286	0.262	-9
Styrene	0.216	0.202	-6
1,1,2,2-Tetrachloroethane	0.189	0.177	-6
4-Ethyltoluene	0.390	0.364	-6
1,3,5-Trimethylbenzene	0.307	0.290	-6
1,2,4-Trimethylbenzene	0.312	0.290	-7
1,3-Dichlorobenzene	0.202	0.182	-10
1,4-Dichlorobenzene	0.206	0.181	-10
1,2-Dichlorobenzene	0.183	0.165	-10
1,2,4-Trichlorobenzene	0.097	0.061	-40

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00172.D
 Acq On : 13 Jun 05 6:30 pm
 Sample : VSTD050
 Misc :
 Quant Time: Jun 13 19:24 2005

Vial: 2
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Mon Jun 13 19:30:25 2005
 Response via : Single Level Calibration



8581

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00172.D
 Acq On : 13 Jun 05 6:30 pm
 Sample : VSTD050
 Misc :
 Quant Time: Jun 13 19:24 2005

Vial: 2
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : T014 SCAN METHOD
 Last Update : Mon Jun 13 19:30:25 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	15.55	130	714052	10.00	PPB	0.02
37) 1,4-Difluorobenzene	17.55	114	2239107	10.00	PPB	0.02
51) Chlorobenzene d5	23.15	117	2162641	10.00	PPB	0.02

System Monitoring Compounds %Recovery

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propene	6.28	41	833438	54.47	PPB	95
3) Dichlorodifluoromethane	6.40	85	2825868	36.10	PPB	97
4) Chlorodifluoromethane	6.44	51	1924002	41.58	PPB	97
5) Freon 114	6.85	85	3220764	43.14	PPB	81
6) Chloromethane	7.00	50	1016867	50.30	PPB	100
7) Vinyl Chloride	7.38	62	1107206	49.01	PPB	99
8) 1,3-Butadiene	7.52	54	1487172	50.87	PPB	89
9) Bromomethane	8.41	94	1312457	42.15	PPB	99
10) Chloroethane	8.72	64	527966	45.83	PPB	99
11) Dichlorofluoromethane	9.30	67	2076469	40.92	PPB	# 86
12) Trichlorofluoromethane	9.48	101	2516198	37.54	PPB	99
13) Pentane	9.72	43	1430088	52.84	PPB	95
14) Acrolein	10.65	56	252551	64.33	PPB	95
15) 1,1-Dichloroethene	10.91	61	1494760	40.33	PPB	86
16) Freon 113	10.91	103	1229084	38.99	PPB	93
17) Acetone	11.07	43	1379510	74.95	PPB	m 85
18) Methyl Iodide	11.33	142	2781772	44.10	PPB	97
19) Carbon Disulfide	11.51	76	3057203	50.07	PPB	# 93
20) Acetonitrile	11.85	41	1437721	56.15	PPB	# 23
21) 3-Chloropropene	11.85	76	344485	42.33	PPB	# 64
22) Methylene Chloride	12.15	84	736589	40.09	PPB	# 80
23) tert-Butyl Alcohol	12.50	59	1600490	184.80	PPB	96
24) Acrylonitrile	12.74	53	1080490	61.92	PPB	93
25) trans-1,2-Dichloroethene	12.83	61	1268416	43.98	PPB	# 76
26) Methyl t-Butyl Ether	12.86	73	2096795	46.69	PPB	# 90
27) Hexane	13.46	57	1143798	48.37	PPB	# 82
28) 1,1-Dichloroethane	13.79	63	1472429	37.54	PPB	100
29) Vinyl Acetate	13.46	43	787601	47.44	PPB	# 86
30) cis-1,2-Dichloroethene	15.05	61	1100099	38.27	PPB	# 63
31) 2-Butanone	15.08	72	389785	117.84	PPB	# 1
32) Ethyl Acetate	15.18	70	196721	174.06	PPB	# 100
33) Methyl Acrylate	15.27	55	1371585	72.68	PPB	96
34) Chloroform	15.69	83	1769616	36.43	PPB	92
35) 1,1,1-Trichloroethane	16.12	97	1682705	32.33	PPB	90
36) Carbon Tetrachloride	16.46	117	1779106	32.48	PPB	99
38) 1,2-Dichloroethane	16.88	62	1143397	33.21	PPB	97
39) Benzene	16.87	78	2124942	39.79	PPB	96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00172.D
 Acq On : 13 Jun 05 6:30 pm
 Sample : VSTD050
 Misc :
 Quant Time: Jun 13 19:24 2005

Vial: 2
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Mon Jun 13 19:30:25 2005
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
40) Isooctane	16.99	57	3683267	46.31	PPB	# 93
41) Heptane	17.31	43	1469360	48.23	PPB	# 86
42) Trichloroethene	18.10	130	1334729	43.09	PPB	# 89
43) Ethyl Acrylate	18.22	55	1907703	156.77	PPB	# 97
44) 1,2-Dichloropropane	18.54	63	900466	41.55	PPB	# 93
45) Methyl Methacrylate	18.66	69	833318	88.32	PPB	# 71
46) Dibromomethane	18.78	174	1213100	38.11	PPB	# 84
47) 1,4-Dioxane	18.79	88	486732	586.20	PPB	# 77
48) Bromodichloromethane	19.03	83	1943495	35.06	PPB	# 98
49) cis-1,3-Dichloropropene	19.87	75	1411758	34.50	PPB	# 81
50) 4-Methyl-2-Pentanone	20.13	43	1879639	430.48	PPB	# 88
52) Toluene	20.54	91	2654636	36.70	PPB	# 98
53) Octane	20.13	43	1879639	390.74	PPB	# 75
54) trans-1,3-Dichloropropene	20.88	75	1128951	29.25	PPB	# 54
55) Ethyl Methacrylate	20.99	69	1410560	230.39	PPB	# 75
56) 1,1,2-Trichloroethane	21.25	97	1063939	33.95	PPB	# 92
57) Tetrachloroethene	21.59	166	1581259	35.86	PPB	# 100
58) 2-Hexanone	21.68	43	1682274	647.83	PPB	# 84
59) Dibromochloromethane	22.03	127	1711516	33.16	PPB	# 97
60) 1,2-Dibromoethane	22.30	107	1881019	36.80	PPB	# 100
61) Chlorobenzene	23.20	112	2324195	37.27	PPB	# 87
62) 1,1,1,2-Tetrachloroethane	23.33	131	1328311	35.68	PPB	# 96
63) Ethylbenzene	23.36	91	3614940	34.81	PPB	# 93
64) m/p-Xylene	23.57	91	5662886	71.26	PPB	# 90
65) o-Xylene	24.34	91	2832199	36.79	PPB	# 90
66) Styrene	24.35	104	2189351	38.36	PPB	# 81
67) Bromoform	24.76	173	1852094	30.80	PPB	# 95
68) Cumene	25.01	105	3352325	40.86	PPB	# 93
69) 1,1,2,2-Tetrachloroethane	25.53	83	2007173	39.91	PPB	# 100
70) 1,2,3-Trichloropropane	25.66	110	536292	37.54	PPB	# 90
71) Bromobenzene	25.68	156	1283907	36.42	PPB	# 99
72) 4-Ethyltoluene	26.00	105	3741741	38.51	PPB	# 95
73) 1,3,5-Trimethylbenzene	26.10	105	3130925	42.92	PPB	# 90
74) Alpha Methyl Styrene	26.53	118	1294586	44.25	PPB	# 86
75) 1,2,4-Trimethylbenzene	26.83	105	2980326	39.99	PPB	# 93
76) 1,3-Dichlorobenzene	27.44	146	1963861	36.10	PPB	# 95
77) 1,4-Dichlorobenzene	27.60	146	1954855	36.14	PPB	# 92
78) Benzyl Chloride	26.53	91	292361	35.92	PPB	# 100
79) 1,2-Dichlorobenzene	28.34	146	1786013	38.04	PPB	# 99
80) Hexachloroethane	28.85	117	1182468	31.86	PPB	# 98
81) 1,2,4-Trichlorobenzene	31.41	180	654947	30.76	PPB	# 61
82) Hexachlorobutadiene	31.70	225	655503	23.08	PPB	# 96

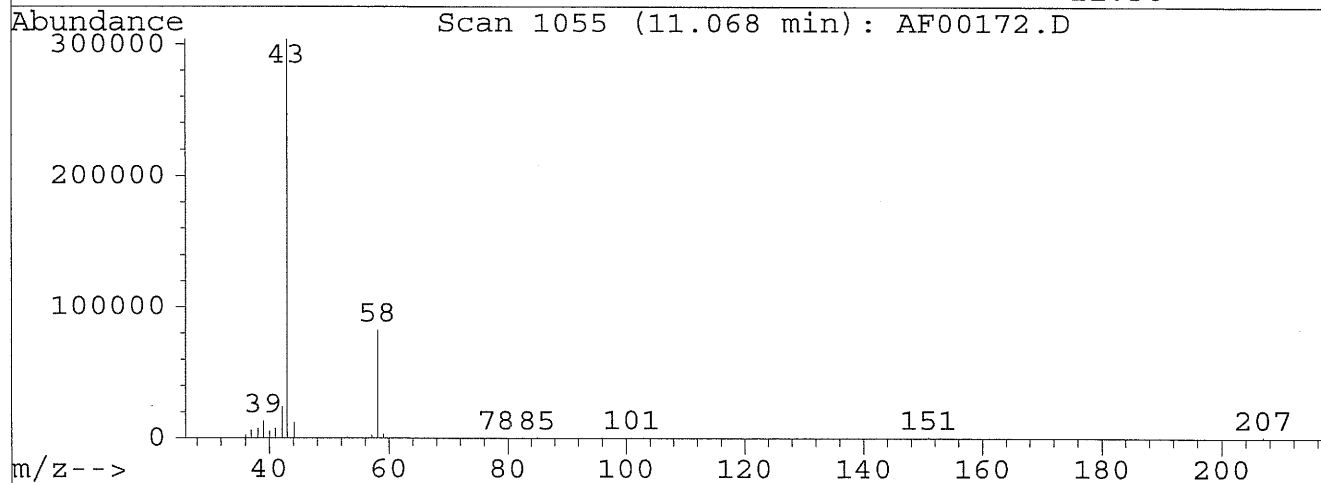
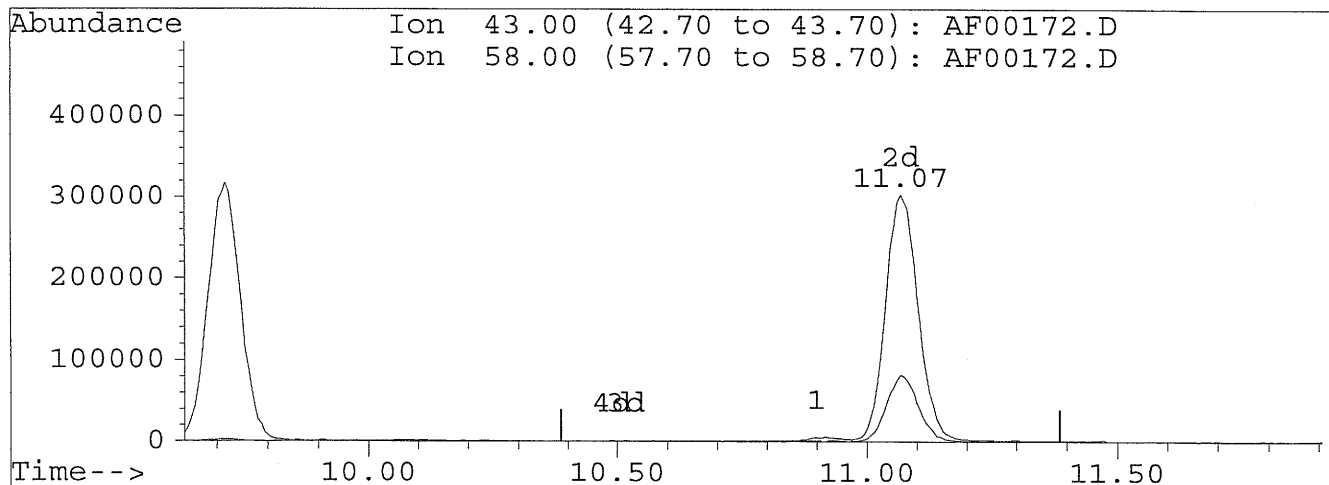
8583

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00172.D
 Acq On : 13 Jun 05 6:30 pm
 Sample : VSTD050
 Misc :
 Quant Time: Jun 13 19:24 2005

Vial: 2
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Sun Jun 12 22:36:24 2005
 Response via : Single Level Calibration



TIC: AF00172.D

(17) Acetone

11.07min 74.95PPB m

response 1379510

Ion	Exp%	Act%
43.00	100	100
58.00	21.60	27.15
0.00	0.00	0.00
0.00	0.00	0.00

wrong peak
RDG 6/13/05
1584
0.1520

8584

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

CONTINUING CALIBRATION DATA SHEET

Instrument ID: HP4224
EPA SAMPLE NO.: VSTD050

Data File: C:\HPCHEM\1\DATA\JUN14\AF00206.D
DATE INJECTED: 06/14/05 TIME INJECTED: 18:33

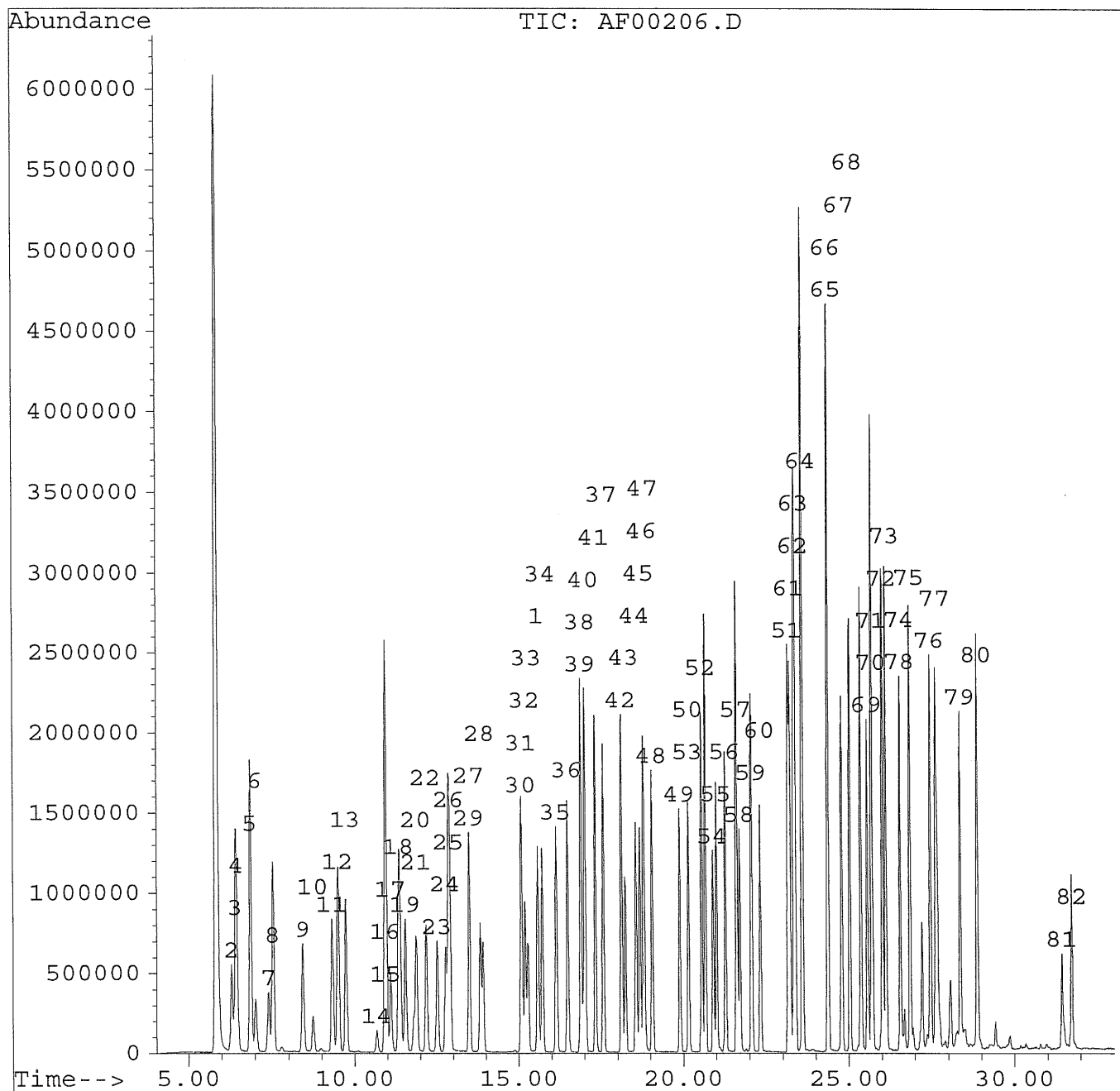
COMPOUND NAME	ICAL MEAN RRF	CCAL RRF	%D
Dichlorodifluoromethane	0.817	0.606	-30
Freon 114	0.810	0.614	-20
Chloromethane	0.282	0.224	-20
Vinyl Chloride	0.304	0.235	-20
Bromomethane	0.333	0.255	-20
Chloroethane	0.132	0.108	-20
Trichlorofluoromethane	0.691	0.526	-20
1,1-Dichloroethene	0.415	0.330	-20
Freon 113	0.348	0.279	-20
3-Chloropropene	0.099	0.084	-20
Methylene Chloride	0.203	0.177	-10
1,1-Dichloroethane	0.443	0.379	-10
cis-1,2-Dichloroethene	0.335	0.283	-20
Chloroform	0.521	0.410	-20
1,1,1-Trichloroethane	0.503	0.396	-20
Carbon Tetrachloride	0.563	0.436	-20
1,2-Dichloroethane	0.109	0.083	-20
Benzene	0.202	0.167	-20
Trichloroethene	0.118	0.090	-20
1,2-Dichloropropane	0.083	0.071	-10
cis-1,3-Dichloropropene	0.144	0.117	-20
Toluene	0.268	0.206	-20
trans-1,3-Dichloropropene	0.131	0.096	-30
1,1,2-Trichloroethane	0.115	0.089	-20
Tetrachloroethene	0.158	0.123	-20
1,2-Dibromoethane	0.190	0.141	-30
Chlorobenzene	0.237	0.176	-30
Ethylbenzene	0.371	0.284	-20
m/p-Xylene	0.297	0.217	-30
o-Xylene	0.286	0.210	-30
Styrene	0.216	0.160	-30
1,1,2,2-Tetrachloroethane	0.189	0.146	-20
4-Ethyltoluene	0.390	0.292	-30
1,3,5-Trimethylbenzene	0.307	0.221	-30
1,2,4-Trimethylbenzene	0.312	0.232	-30
1,3-Dichlorobenzene	0.202	0.143	-30
1,4-Dichlorobenzene	0.206	0.136	-30
1,2-Dichlorobenzene	0.183	0.124	-30
1,2,4-Trichlorobenzene	0.097	✓ 0.029	-70

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN14\AF00206.D
 Acq On : 14 Jun 05 6:33 pm
 Sample : VSTD050
 Misc :
 Quant Time: Jun 14 19:06 2005

Vial: 2
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Mon Jun 13 19:30:25 2005
 Response via : Single Level Calibration



8586

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN14\AF00206.D
 Acq On : 14 Jun 05 6:33 pm
 Sample : VSTD050
 Misc :
 Quant Time: Jun 14 19:06 2005

Vial: 2
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Mon Jun 13 19:30:25 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	15.58	130	893730	10.00	PPB	0.03
37) 1,4-Difluorobenzene	17.58	114	2847571	10.00	PPB	0.03
51) Chlorobenzene d5	23.18	117	2769245	10.00	PPB	0.03

System Monitoring Compounds %Recovery

Target Compounds						Qvalue
2) Propene	6.31	41	818286	39.42	PPB	96
3) Dichlorodifluoromethane	6.42	85	2721511	38.66	PPB	98
4) Chlorodifluoromethane	6.46	51	1742608	36.18	PPB	98
5) Freon 114	6.87	85	2741699	34.01	PPB	81
6) Chloromethane	7.02	50	1002458	39.38	PPB	100
7) Vinyl Chloride	7.40	62	1049139	37.85	PPB	98
8) 1,3-Butadiene	7.54	54	1324722	35.76	PPB	89
9) Bromomethane	8.44	94	1139634	34.69	PPB	100
10) Chloroethane	8.75	64	484398	36.65	PPB	99
11) Dichlorofluoromethane	9.31	67	2064611	39.92	PPB	# 86
12) Trichlorofluoromethane	9.50	101	2350847	37.32	PPB	99
13) Pentane	9.73	43	1465084	42.97	PPB	94
14) Acrolein	10.67	56	294677	50.06	PPB	98
15) 1,1-Dichloroethene	10.93	61	1473907	39.39	PPB	87
16) Freon 113	10.95	103	1246251	40.51	PPB	95
17) Acetone	11.10	43	1436610	44.31	PPB	# 86
18) Methyl Iodide	11.35	142	2898062	43.70	PPB	96
19) Carbon Disulfide	11.55	76	2956410	41.91	PPB	# 93
20) Acetonitrile	11.88	41	1654320	48.95	PPB	# 25
21) 3-Chloropropene	11.87	76	373278	43.29	PPB	# 64
22) Methylene Chloride	12.18	84	789273	42.81	PPB	# 81
23) tert-Butyl Alcohol	12.52	59	1818305	47.88	PPB	96
24) Acrylonitrile	12.76	53	1092896	43.03	PPB	95
25) trans-1,2-Dichloroethene	12.86	61	1421899	47.02	PPB	# 78
26) Methyl t-Butyl Ether	12.89	73	2359802	47.21	PPB	# 89
27) Hexane	13.49	57	1273273	47.14	PPB	# 81
28) 1,1-Dichloroethane	13.82	63	1607654	41.44	PPB	99
29) Vinyl Acetate	13.49	43	857905	45.47	PPB	# 86
30) cis-1,2-Dichloroethene	15.08	61	1200095	41.40	PPB	# 63
31) 2-Butanone	15.10	72	403521	43.42	PPB	# 1
32) Ethyl Acetate	15.20	70	220581	47.48	PPB	# 100
33) Methyl Acrylate	15.29	55	1481024	45.29	PPB	96
34) Chloroform	15.72	83	1832746	41.37	PPB	92
35) 1,1,1-Trichloroethane	16.15	97	1771005	42.04	PPB	90
36) Carbon Tetrachloride	16.49	117	1852653	39.52	PPB	100
38) 1,2-Dichloroethane	16.90	62	1180508	40.59	PPB	96
39) Benzene	16.90	78	2384091	44.11	PPB	95

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN14\AF00206.D
 Acq On : 14 Jun 05 6:33 pm
 Sample : VSTD050
 Misc :
 Quant Time: Jun 14 19:06 2005

Vial: 2
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Mon Jun 13 19:30:25 2005
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
40) Isooctane	17.02	57	4021670	45.07	PPB	# 93
41) Heptane	17.34	43	1653718	46.90	PPB	# 85
42) Trichloroethene	18.13	130	1285969	37.88	PPB	# 89
43) Ethyl Acrylate	18.24	55	2128203	46.49	PPB	# 97
44) 1,2-Dichloropropane	18.57	63	1010793	44.13	PPB	# 93
45) Methyl Methacrylate	18.69	69	918040	46.13	PPB	# 74
46) Dibromomethane	18.80	174	1327676	45.83	PPB	# 85
47) 1,4-Dioxane	18.83	88	502289	43.21	PPB	# 78
48) Bromodichloromethane	19.06	83	2007725	43.05	PPB	# 99
49) cis-1,3-Dichloropropene	19.90	75	1493186	37.43	PPB	# 80
50) 4-Methyl-2-Pentanone	20.16	43	2126015	46.69	PPB	# 88
52) Toluene	20.56	91	2849617	41.92	PPB	# 99
53) Octane	20.16	43	2126015	45.93	PPB	# 75
54) trans-1,3-Dichloropropene	20.91	75	1202080	37.42	PPB	# 54
55) Ethyl Methacrylate	21.02	69	1535791	42.30	PPB	# 76
56) 1,1,2-Trichloroethane	21.28	97	1164753	40.61	PPB	# 92
57) Tetrachloroethene	21.61	166	1700963	42.00	PPB	# 99
58) 2-Hexanone	21.71	43	1794902	43.74	PPB	# 86
59) Dibromochloromethane	22.06	127	1754588	39.83	PPB	# 98
60) 1,2-Dibromoethane	22.33	107	1955914	40.60	PPB	# 99
61) Chlorobenzene	23.23	112	2435735	40.92	PPB	# 88
62) 1,1,1,2-Tetrachloroethane	23.35	131	1384943	38.68	PPB	# 97
63) Ethylbenzene	23.39	91	3928516	42.43	PPB	# 94
64) m/p-Xylene	23.60	91	5866226	78.88	PPB	# 91
65) o-Xylene	24.37	91	2909449	40.11	PPB	# 92
66) Styrene	24.38	104	2221062	39.61	PPB	# 81
67) Bromoform	24.79	173	1975168	43.93	PPB	# 96
68) Cumene	25.04	105	3410025	41.71	PPB	# 94
69) 1,1,2,2-Tetrachloroethane	25.56	83	2124567	43.40	PPB	# 99
70) 1,2,3-Trichloropropane	25.69	110	559567	42.78	PPB	# 91
71) Bromobenzene	25.70	156	1321802	42.61	PPB	# 99
72) 4-Ethyltoluene	26.02	105	3840374	38.07	PPB	# 94
73) 1,3,5-Trimethylbenzene	26.13	105	3057317	38.13	PPB	# 88
74) Alpha Methyl Styrene	26.56	118	1324410	41.94	PPB	# 87
75) 1,2,4-Trimethylbenzene	26.86	105	3048896	37.95	PPB	# 93
76) 1,3-Dichlorobenzene	27.47	146	1985694	39.48	PPB	# 95
77) 1,4-Dichlorobenzene	27.63	146	1889884	37.75	PPB	# 92
78) Benzyl Chloride	26.56	91	294873	39.38	PPB	# 100
79) 1,2-Dichlorobenzene	28.37	146	1714168	37.48	PPB	# 98
80) Hexachloroethane	28.88	117	1227476	42.97	PPB	# 98
81) 1,2,4-Trichlorobenzene	31.44	180	401797	23.95	PPB	# 62
82) Hexachlorobutadiene	31.73	225	456981	25.86	PPB	# 97

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

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

INITIAL CALIBRATION DATA SHEET

Instrument ID: HP4224

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

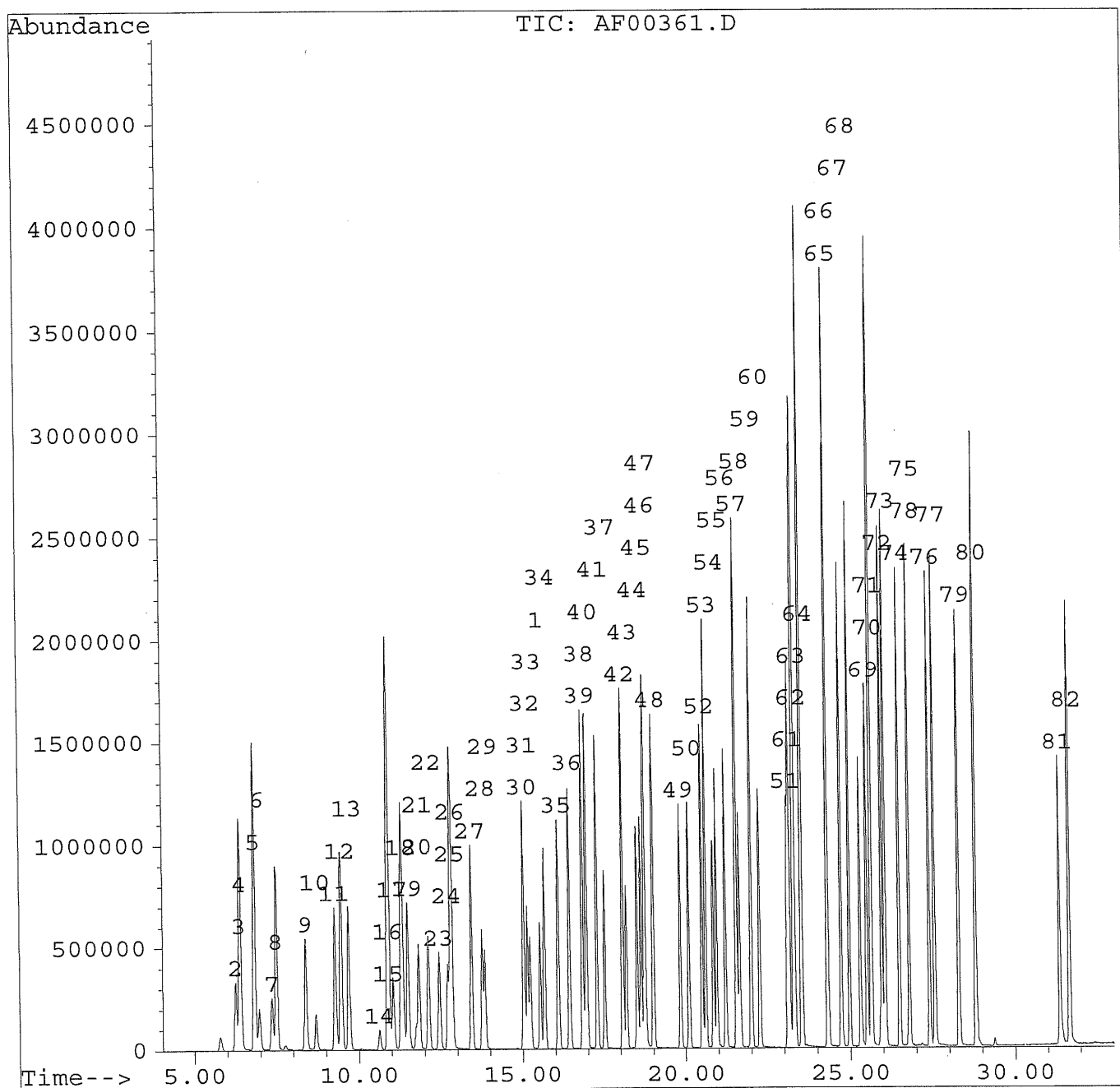
STANDARD EPA SAMPLE NO. LAB FILE ID DATE INJECTED TIME INJECTED	CAL1 VSTD010 AF00364.D 06/22/05 12:29		CAL2 VSTD050 AF00361.D 06/22/05 10:19		CAL3 VSTD100 AF00363.D 06/22/05 11:43	
COMPOUND NAME	Relative Response Factor (RRF)					
	CAL 1	CAL 2	CAL 3	MEAN	%RSD	
Dichlorodifluoromethane	1.125	0.961	0.923	1.003	11	
Freon 114	1.201	1.037	1.001	1.080	10	
Chloromethane	0.369	0.273	0.282	0.308	17	
Vinyl Chloride	0.395	0.305	0.312	0.337	15	
Bromomethane	0.480	0.421	0.384	0.429	11	
Chloroethane	0.193	0.168	0.157	0.173	11	
Trichlorofluoromethane	0.986	0.922	0.802	0.903	10	
1,1-Dichloroethene	0.581	0.526	0.458	0.522	12	
Freon 113	0.525	0.458	0.416	0.466	12	
3-Chloropropene	0.147	0.125	0.114	0.128	13	
Methylene Chloride	0.328	0.271	0.245	0.281	15	
1,1-Dichloroethane	0.692	0.538	0.505	0.578	17	
cis-1,2-Dichloroethene	0.518	0.408	0.393	0.440	16	
Chloroform	0.816	0.663	0.641	0.707	13	
1,1,1-Trichloroethane	0.774	0.639	0.649	0.687	11	
Carbon Tetrachloride	0.852	0.725	0.717	0.765	10	
1,2-Dichloroethane	0.174	0.144	0.146	0.155	11	
Benzene	0.329	0.250	0.254	0.277	16	
Trichloroethene	0.199	0.166	0.162	0.176	12	
1,2-Dichloropropane	0.133	0.100	0.105	0.113	16	
cis-1,3-Dichloropropene	0.231	0.191	0.188	0.203	12	
Toluene	0.413	0.332	0.347	0.364	12	
trans-1,3-Dichloropropene	0.197	0.156	0.173	0.175	12	
1,1,2-Trichloroethane	0.178	0.143	0.145	0.156	13	
Tetrachloroethene	0.255	0.222	0.209	0.229	10	
1,2-Dibromoethane	0.298	0.241	0.258	0.266	11	
Chlorobenzene	0.362	0.301	0.304	0.322	11	
Ethylbenzene	0.572	0.490	0.514	0.525	8	
m/p-Xylene	0.430	0.362	0.391	0.394	9	
o-Xylene	0.440	0.351	0.393	0.394	11	
Styrene	0.340	0.276	0.304	0.307	10	
1,1,2,2-Tetrachloroethane	0.316	0.259	0.264	0.279	11	
4-Ethyltoluene	0.632	0.517	0.560	0.570	10	
1,3,5-Trimethylbenzene	0.492	0.416	0.448	0.452	8	
1,2,4-Trimethylbenzene	0.506	0.426	0.478	0.470	9	
1,3-Dichlorobenzene	0.345	0.288	0.313	0.315	9	
1,4-Dichlorobenzene	0.347	0.298	0.334	0.326	8	
1,2-Dichlorobenzene	0.311	0.272	0.297	0.294	7	
1,2,4-Trichlorobenzene	0.206	0.156	0.176	0.179	14	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00361.D
 Acq On : 22 Jun 05 10:19 am
 Sample : VSTD050
 Misc :
 Quant Time: Jun 22 11:58 2005

Vial: 2
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 12:00:36 2005
 Response via : Single Level Calibration



8598

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00361.D
 Acq On : 22 Jun 05 10:19 am
 Sample : VSTD050
 Misc :
 Quant Time: Jun 22 11:58 2005

Vial: 2
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 12:00:36 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Bromochloromethane	15.53	130	432855	10.00	PPB	0.00
37) 1,4-Difluorobenzene	17.52	114	1271629	10.00	PPB	0.00
51) Chlorobenzene d5	23.12	117	1265763	10.00	PPB	0.00

System Monitoring Compounds %Recovery

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propene	6.26	41	475571	50.25	PPB	99
3) Dichlorodifluoromethane	6.38	85	2090014	50.25	PPB	98
4) Chlorodifluoromethane	6.42	51	1394120	50.24	PPB	m 95
5) Freon 114	6.82	85	2243897	50.00	PPB	81
6) Chloromethane	6.97	50	591540	50.00	PPB	99
7) Vinyl Chloride	7.35	62	659147	50.00	PPB	96
8) 1,3-Butadiene	7.48	54	922214	50.25	PPB	90
9) Bromomethane	8.39	94	912101	50.00	PPB	99
10) Chloroethane	8.70	64	363796	50.00	PPB	98
11) Dichlorofluoromethane	9.27	67	1727824	50.25	PPB	# 87
12) Trichlorofluoromethane	9.46	101	1994627	50.00	PPB	99
13) Pentane	9.69	43	1000344	52.50	PPB	99
14) Acrolein	10.63	56	198250	53.70	PPB	100
15) 1,1-Dichloroethene	10.89	61	1139411	50.00	PPB	83
16) Freon 113	10.90	103	990934	50.00	PPB	95
17) Acetone	11.04	43	1019778	53.25	PPB	94
18) Methyl Iodide	11.30	142	2675074	52.50	PPB	98
19) Carbon Disulfide	11.49	76	2481384	54.25	PPB	95
20) Acetonitrile	11.82	41	764978	50.90	PPB	# 5
21) 3-Chloropropene	11.83	76	270131	50.00	PPB	# 70
22) Methylene Chloride	12.13	84	587386	50.00	PPB	# 76
23) tert-Butyl Alcohol	12.45	59	1286072	52.75	PPB	97
24) Acrylonitrile	12.71	53	716241	53.25	PPB	94
25) trans-1,2-Dichloroethene	12.80	61	1048253	52.50	PPB	# 70
26) Methyl t-Butyl Ether	12.84	73	1739616	52.50	PPB	90
27) Hexane	13.44	57	857610	53.00	PPB	# 86
28) 1,1-Dichloroethane	13.77	63	1105467	47.50	PPB	99
29) Vinyl Acetate	13.85	43	1390727	52.25	PPB	# 82
30) cis-1,2-Dichloroethene	15.02	61	838844	47.50	PPB	# 55
31) 2-Butanone	15.05	72	290226	52.50	PPB	# 1
32) Ethyl Acetate	15.15	70	144755	53.00	PPB	# 100
33) Methyl Acrylate	15.23	55	1059263	52.50	PPB	# 93
34) Chloroform	15.66	83	1434603	50.00	PPB	93
35) 1,1,1-Trichloroethane	16.09	97	1383070	50.00	PPB	90
36) Carbon Tetrachloride	16.44	117	1490925	47.50	PPB	99
38) 1,2-Dichloroethane	16.85	62	916237	50.00	PPB	96
39) Benzene	16.85	78	1586559	50.00	PPB	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00361.D
 Acq On : 22 Jun 05 10:19 am
 Sample : VSTD050
 Misc :
 Quant Time: Jun 22 11:58 2005

Vial: 2
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 12:00:36 2005
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
40) Isooctane	16.97	57	2814140	52.50	PPB	# 96
41) Heptane	17.28	43	1081301	53.00	PPB	# 81
42) Trichloroethene	18.08	130	1057512	50.00	PPB	# 88
43) Ethyl Acrylate	18.18	55	1428770	53.00	PPB	# 95
44) 1,2-Dichloropropane	18.51	63	633439	50.00	PPB	# 98
45) Methyl Methacrylate	18.64	69	672465	53.25	PPB	# 74
46) Dibromomethane	18.75	174	1191344	53.25	PPB	# 83
47) 1,4-Dioxane	18.77	88	406515	53.25	PPB	# 75
48) Bromodichloromethane	19.00	83	1782874	53.00	PPB	# 99
49) cis-1,3-Dichloropropene	19.84	75	1090337	45.00	PPB	# 85
50) 4-Methyl-2-Pentanone	20.11	43	1531475	52.50	PPB	# 89
52) Toluene	20.51	91	2103800	50.00	PPB	# 99
53) Octane	20.62	43	1606293	51.46	PPB	# 83
54) trans-1,3-Dichloropropene	20.85	75	890227	45.00	PPB	# 57
55) Ethyl Methacrylate	20.96	69	1103839	49.75	PPB	# 78
56) 1,1,2-Trichloroethane	21.22	97	861279	47.50	PPB	# 90
57) Tetrachloroethene	21.56	166	1407970	50.00	PPB	# 98
58) 2-Hexanone	21.66	43	1460991	52.50	PPB	# 87
59) Dibromochloromethane	22.01	127	1614459	49.75	PPB	# 98
60) 1,2-Dibromoethane	22.27	107	1525189	50.00	PPB	# 99
61) Chlorobenzene	23.17	112	1902570	50.00	PPB	# 85
62) 1,1,1,2-Tetrachloroethane	23.29	131	1221814	47.50	PPB	# 96
63) Ethylbenzene	23.33	91	3099938	50.00	PPB	# 93
64) m/p-Xylene	23.54	91	4466972	97.50	PPB	# 91
65) o-Xylene	24.31	91	2218276	50.00	PPB	# 91
66) Styrene	24.32	104	1748806	50.00	PPB	# 81
67) Bromoform	24.73	173	2053117	52.75	PPB	# 96
68) Cumene	24.98	105	3151652	52.50	PPB	# 93
69) 1,1,2,2-Tetrachloroethane	25.50	83	1720231	52.50	PPB	# 98
70) 1,2,3-Trichloropropane	25.63	110	551954	52.50	PPB	# 82
71) Bromobenzene	25.65	156	1304122	53.00	PPB	# 99
72) 4-Ethyltoluene	25.96	105	3108712	47.50	PPB	# 95
73) 1,3,5-Trimethylbenzene	26.07	105	2633301	50.03	PPB	# 90
74) Alpha Methyl Styrene	26.50	118	1312173	52.50	PPB	# 86
75) 1,2,4-Trimethylbenzene	26.80	105	2562287	47.50	PPB	# 93
76) 1,3-Dichlorobenzene	27.41	146	1819548	50.00	PPB	# 94
77) 1,4-Dichlorobenzene	27.57	146	1886624	50.00	PPB	# 92
78) Benzyl Chloride	26.80	91	285132	50.00	PPB	# 100
79) 1,2-Dichlorobenzene	28.31	146	1724029	50.00	PPB	# 96
80) Hexachloroethane	28.82	117	1365087	53.00	PPB	# 95
81) 1,2,4-Trichlorobenzene	31.37	180	987715	50.00	PPB	# 62
82) Hexachlorobutadiene	31.67	225	939908	47.50	PPB	# 98

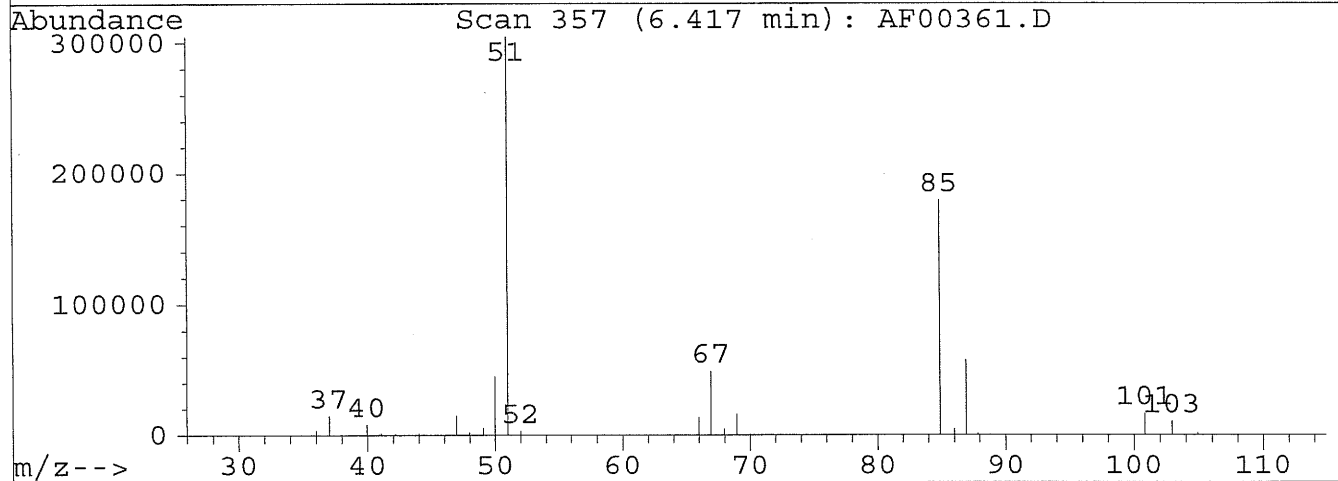
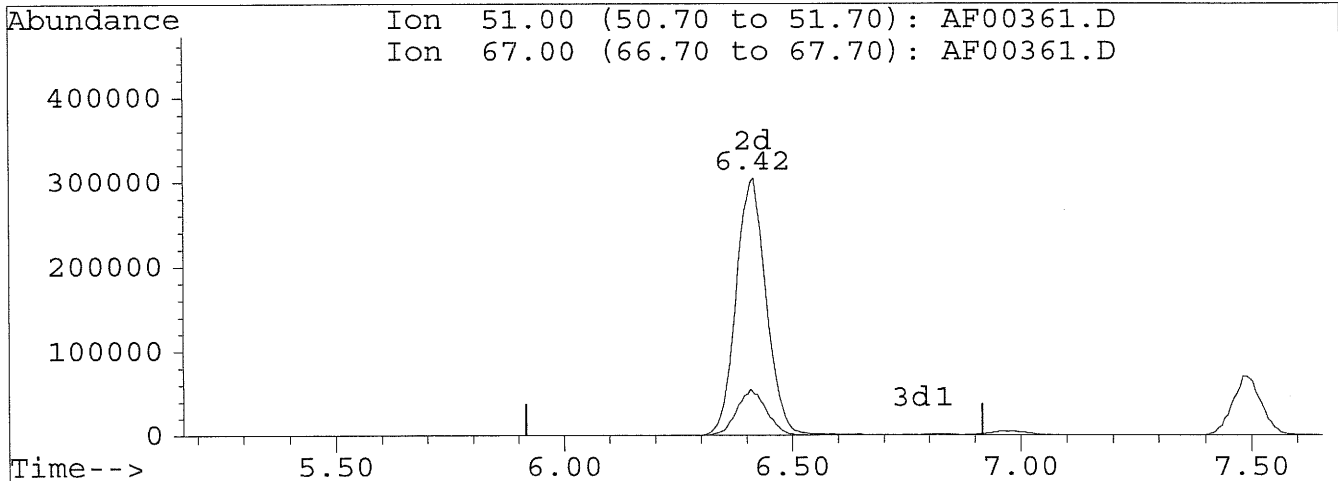
8592

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00361.D
 Acq On : 22 Jun 05 10:19 am
 Sample : VSTD050
 Misc :
 Quant Time: Jun 22 11:58 2005

Vial: 2
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 12:00:36 2005
 Response via : Single Level Calibration



TIC: AF00361.D

(4) Chlorodifluoromethane

6.42min 50.24PPB m

response 1394120

Ion	Exp%	Act%
51.00	100	100
67.00	14.10	16.17
0.00	0.00	0.00
0.00	0.00	0.00

mixed peak

Apex

6.425

form 753

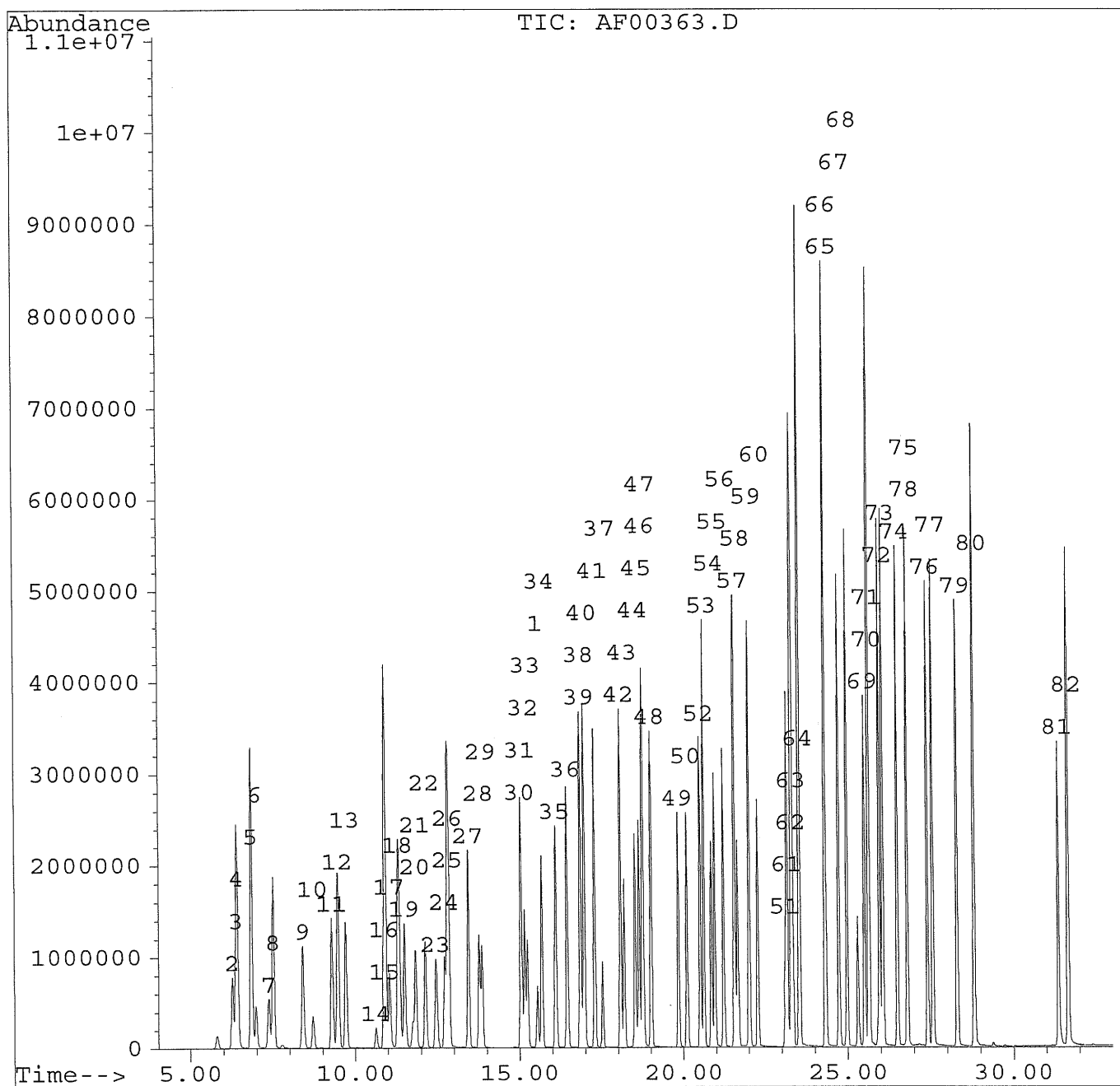
6/26/05

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00363.D
 Acq On : 22 Jun 05 11:43 am
 Sample : VSTD100
 Misc :
 Quant Time: Jun 22 12:16 2005

Vial: 4
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 12:00:36 2005
 Response via : Single Level Calibration



8594

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00363.D
 Acq On : 22 Jun 05 11:43 am
 Sample : VSTD100
 Misc :
 Quant Time: Jun 22 12:16 2005

Vial: 4
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 12:00:36 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Bromochloromethane	15.54	130	488724	10.00	PPB	0.00
37) 1,4-Difluorobenzene	17.53	114	1403821	10.00	PPB	0.01
51) Chlorobenzene d5	23.12	117	1315112	10.00	PPB	0.00

System Monitoring Compounds %Recovery

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propene	6.27	41	1161541	108.70	PPB	100
3) Dichlorodifluoromethane	6.39	85	4531527	96.50	PPB	98
4) Chlorodifluoromethane	6.42	51	3099976	98.47	PPB	# 92
5) Freon 114	6.84	85	4892855	96.56	PPB	80
6) Chloromethane	6.98	50	1376523	103.05	PPB	99
7) Vinyl Chloride	7.37	62	1527097	102.60	PPB	98
8) 1,3-Butadiene	7.50	54	2039277	98.41	PPB	89
9) Bromomethane	8.40	94	1878494	91.20	PPB	98
10) Chloroethane	8.71	64	767313	93.40	PPB	98
11) Dichlorofluoromethane	9.29	67	3492567	89.96	PPB	# 86
12) Trichlorofluoromethane	9.47	101	3919204	87.01	PPB	99
13) Pentane	9.70	43	2064218	95.95	PPB	96
14) Acrolein	10.64	56	461935	110.82	PPB	99
15) 1,1-Dichloroethene	10.91	61	2237684	86.97	PPB	83
16) Freon 113	10.91	103	2034079	90.90	PPB	94
17) Acetone	11.05	43	2408390	111.38	PPB	92
18) Methyl Iodide	11.31	142	5190898	90.23	PPB	98
19) Carbon Disulfide	11.51	76	4801626	92.98	PPB	# 94
20) Acetonitrile	11.84	41	1498233	92.37	PPB	# 3
21) 3-Chloropropene	11.84	76	556025	91.15	PPB	# 69
22) Methylene Chloride	12.14	84	1196862	90.23	PPB	# 77
23) tert-Butyl Alcohol	12.46	59	2886863	104.87	PPB	95
24) Acrylonitrile	12.73	53	1751975	115.36	PPB	95
25) trans-1,2-Dichloroethene	12.82	61	2275873	100.95	PPB	# 70
26) Methyl t-Butyl Ether	12.84	73	4090469	109.33	PPB	# 88
27) Hexane	13.45	57	1903318	104.18	PPB	# 83
28) 1,1-Dichloroethane	13.78	63	2345042	89.24	PPB	100
29) Vinyl Acetate	13.86	43	3259168	108.45	PPB	# 82
30) cis-1,2-Dichloroethene	15.03	61	1824238	91.49	PPB	# 56
31) 2-Butanone	15.06	72	679752	108.91	PPB	# 1
32) Ethyl Acetate	15.16	70	345615	112.08	PPB	# 100
33) Methyl Acrylate	15.25	55	2440361	107.12	PPB	# 93
34) Chloroform	15.68	83	3134048	96.74	PPB	93
35) 1,1,1-Trichloroethane	16.10	97	3169476	101.48	PPB	90
36) Carbon Tetrachloride	16.45	117	3330992	93.99	PPB	99
38) 1,2-Dichloroethane	16.86	62	2054770	101.57	PPB	97
39) Benzene	16.85	78	3558846	101.59	PPB	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00363.D
 Acq On : 22 Jun 05 11:43 am
 Sample : VSTD100
 Misc :
 Quant Time: Jun 22 12:16 2005

Vial: 4
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 12:00:36 2005
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
40) Isooctane	16.97	57	6183369	104.49	PPB	# 95
41) Heptane	17.29	43	2549439	113.19	PPB	# 82
42) Trichloroethene	18.08	130	2268145	97.14	PPB	# 88
43) Ethyl Acrylate	18.20	55	3496957	117.50	PPB	# 96
44) 1,2-Dichloropropane	18.52	63	1479224	105.77	PPB	# 99
45) Methyl Methacrylate	18.64	69	1540682	110.51	PPB	# 72
46) Dibromomethane	18.75	174	2656304	107.55	PPB	# 82
47) 1,4-Dioxane	18.77	88	933321	110.74	PPB	# 73
48) Bromodichloromethane	19.01	83	3934949	105.96	PPB	# 99
49) cis-1,3-Dichloropropene	19.84	75	2371479	88.66	PPB	# 85
50) 4-Methyl-2-Pentanone	20.11	43	3403349	105.68	PPB	# 88
52) Toluene	20.52	91	4563828	104.40	PPB	100
53) Octane	20.63	43	3400545	105.95	PPB	# 81
54) trans-1,3-Dichloropropene	20.86	75	2047218	99.60	PPB	# 56
55) Ethyl Methacrylate	20.97	69	2574469	111.68	PPB	# 78
56) 1,1,2-Trichloroethane	21.23	97	1814145	96.30	PPB	# 90
57) Tetrachloroethene	21.57	166	2748657	93.95	PPB	# 97
58) 2-Hexanone	21.66	43	3077151	106.43	PPB	# 88
59) Dibromochloromethane	22.00	127	3571250	105.92	PPB	# 99
60) 1,2-Dibromoethane	22.28	107	3398808	107.24	PPB	100
61) Chlorobenzene	23.18	112	4002510	101.24	PPB	# 85
62) 1,1,1,2-Tetrachloroethane	23.30	131	2815487	105.35	PPB	# 95
63) Ethylbenzene	23.34	91	6762362	104.98	PPB	# 94
64) m/p-Xylene	23.55	91	10030814	210.73	PPB	# 93
65) o-Xylene	24.32	91	5167964	112.11	PPB	# 93
66) Styrene	24.32	104	3994418	109.92	PPB	# 82
67) Bromoform	24.74	173	4490379	111.04	PPB	# 96
68) Cumene	24.99	105	6967006	111.70	PPB	# 94
69) 1,1,2,2-Tetrachloroethane	25.50	83	3644002	107.04	PPB	# 99
70) 1,2,3-Trichloropropane	25.63	110	1230721	112.67	PPB	# 85
71) Bromobenzene	25.65	156	2972049	116.25	PPB	# 99
72) 4-Ethyltoluene	25.97	105	6993782	102.85	PPB	# 95
73) 1,3,5-Trimethylbenzene	26.07	105	5885291	107.55	PPB	# 91
74) Alpha Methyl Styrene	26.50	118	3076046	118.45	PPB	# 86
75) 1,2,4-Trimethylbenzene	26.80	105	5976205	106.63	PPB	# 94
76) 1,3-Dichlorobenzene	27.41	146	4116588	108.88	PPB	# 95
77) 1,4-Dichlorobenzene	27.57	146	4391040	112.01	PPB	# 92
78) Benzyl Chloride	26.80	91	661041	111.57	PPB	# 100
79) 1,2-Dichlorobenzene	28.30	146	3904629	108.99	PPB	# 96
80) Hexachloroethane	28.82	117	3177667	118.74	PPB	# 93
81) 1,2,4-Trichlorobenzene	31.37	180	2308645	112.48	PPB	# 62
82) Hexachlorobutadiene	31.67	225	2431342	118.26	PPB	# 97

8596

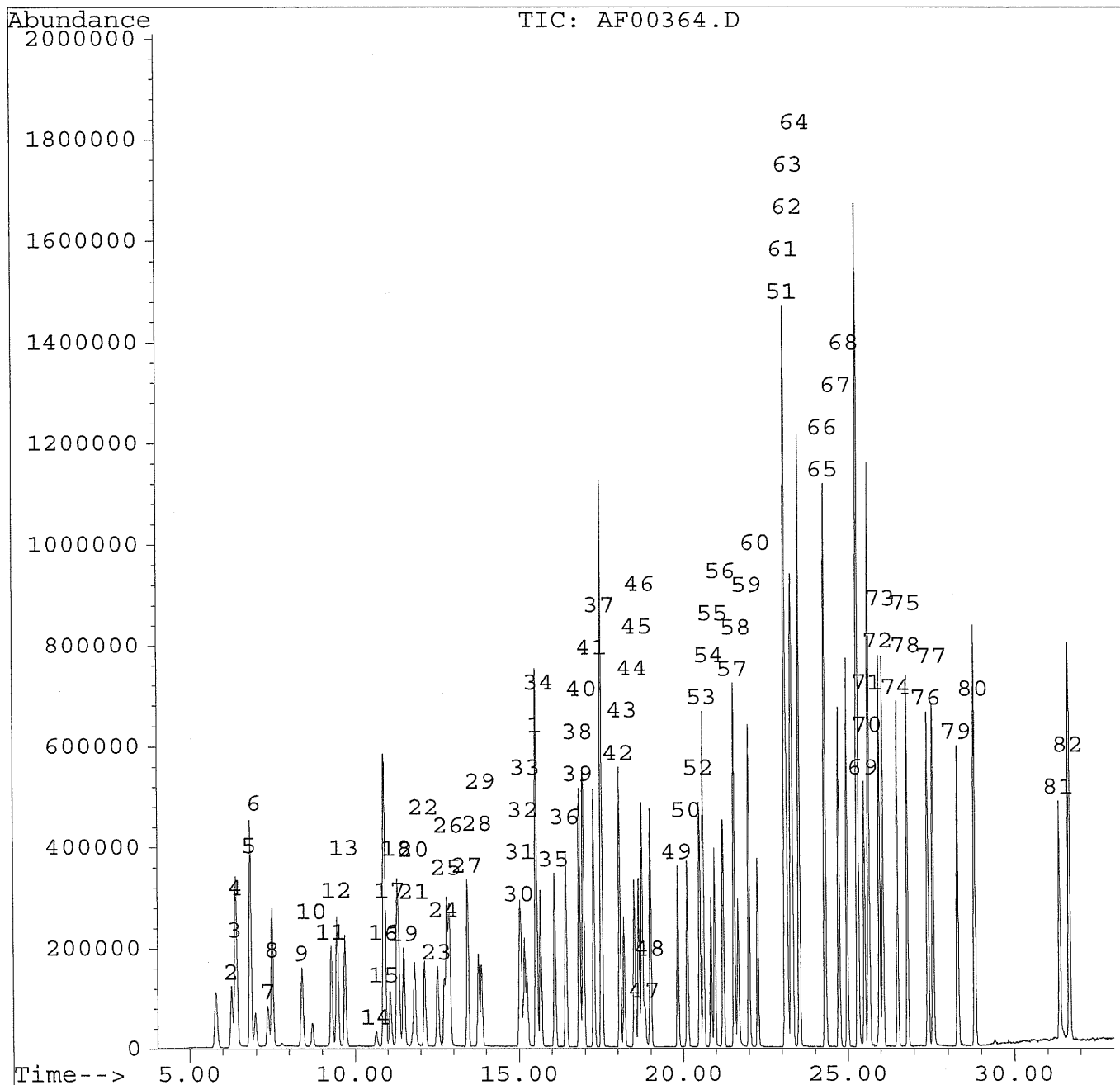
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00364.D
 Acq On : 22 Jun 05 12:29 pm
 Sample : VSTD010
 Misc :
 Quant Time: Jun 22 13:02 2005

Vial: 3
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 12:00:36 2005
 Response via : Single Level Calibration



0597

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00364.D
 Acq On : 22 Jun 05 12:29 pm
 Sample : VSTD010
 Misc :
 Quant Time: Jun 22 13:02 2005

Vial: 3
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 12:00:36 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Bromochloromethane	15.53	130	553956	10.00	PPB	0.00
37) 1,4-Difluorobenzene	17.52	114	1688539	10.00	PPB	0.00
51) Chlorobenzene d5	23.11	117	1595245	10.00	PPB	0.00

System Monitoring Compounds

%Recovery

Target Compounds

Qvalue

2) Propene	6.27	41	173380	14.31	PPB	97
3) Dichlorodifluoromethane	6.38	85	626391	11.77	PPB	99
4) Chlorodifluoromethane	6.43	51	438585	12.29	PPB	94
5) Freon 114	6.83	85	665334	11.58	PPB	79
6) Chloromethane	6.99	50	204617	13.51	PPB	98
7) Vinyl Chloride	7.36	62	218751	12.97	PPB	99
8) 1,3-Butadiene	7.50	54	285777	12.17	PPB	89
9) Bromomethane	8.40	94	265858	11.39	PPB	100
10) Chloroethane	8.70	64	106882	11.48	PPB	98
11) Dichlorofluoromethane	9.29	67	501437	11.40	PPB	# 86
12) Trichlorofluoromethane	9.45	101	545952	10.69	PPB	99
13) Pentane	9.70	43	336117	13.78	PPB	96
14) Acrolein	10.65	56	68053	14.40	PPB	98
15) 1,1-Dichloroethene	10.90	61	321715	11.03	PPB	84
16) Freon 113	10.90	103	290890	11.47	PPB	95
17) Acetone	11.09	43	347793	14.19	PPB	# 89
18) Methyl Iodide	11.31	142	749979	11.50	PPB	95
19) Carbon Disulfide	11.50	76	710522	12.14	PPB	# 93
20) Acetonitrile	11.83	41	314066	17.08	PPB	# 21
21) 3-Chloropropene	11.83	76	81321	11.76	PPB	# 63
22) Methylene Chloride	12.12	84	181540	12.07	PPB	# 77
23) tert-Butyl Alcohol	12.52	59	425634	13.64	PPB	96
24) Acrylonitrile	12.72	53	240849	13.99	PPB	95
25) trans-1,2-Dichloroethene	12.81	61	323152	12.65	PPB	# 71
26) Methyl t-Butyl Ether	12.88	73	577122	13.61	PPB	# 89
27) Hexane	13.44	57	293437	14.17	PPB	# 82
28) 1,1-Dichloroethane	13.77	63	364100	12.22	PPB	99
29) Vinyl Acetate	13.86	43	474656	13.93	PPB	# 81
30) cis-1,2-Dichloroethene	15.02	61	272818	12.07	PPB	# 56
31) 2-Butanone	15.07	72	101147	14.30	PPB	# 1
32) Ethyl Acetate	15.17	70	51758	14.81	PPB	# 100
33) Methyl Acrylate	15.25	55	354763	13.74	PPB	# 94
34) Chloroform	15.66	83	451817	12.30	PPB	93
35) 1,1,1-Trichloroethane	16.09	97	428910	12.12	PPB	89
36) Carbon Tetrachloride	16.44	117	448368	11.16	PPB	100
38) 1,2-Dichloroethane	16.84	62	294386	12.10	PPB	100
39) Benzene	16.84	78	555258	13.18	PPB	95

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00364.D
 Acq On : 22 Jun 05 12:29 pm
 Sample : VSTD010
 Misc :
 Quant Time: Jun 22 13:02 2005

Vial: 3
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 12:00:36 2005
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
40) Isooctane	16.97	57	945445	13.28	PPB	# 94
41) Heptane	17.28	43	387956	14.32	PPB	# 82
42) Trichloroethene	18.07	130	335670	11.95	PPB	# 88
43) Ethyl Acrylate	18.20	55	502570	14.04	PPB	# 96
44) 1,2-Dichloropropane	18.51	63	224527	13.35	PPB	# 96
45) Methyl Methacrylate	18.65	69	220674	13.16	PPB	# 72
46) Dibromomethane	18.74	174	353150	11.89	PPB	# 82
47) 1,4-Dioxane	18.82	88	124719	12.30	PPB	# 76
48) Bromodichloromethane	19.00	83	530794	11.88	PPB	# 98
49) cis-1,3-Dichloropropene	19.84	75	350462	10.89	PPB	# 81
50) 4-Methyl-2-Pentanone	20.13	43	484713	12.51	PPB	# 86
52) Toluene	20.50	91	658746	12.42	PPB	# 99
53) Octane	20.62	43	505378	12.98	PPB	# 84
54) trans-1,3-Dichloropropene	20.85	75	282808	11.34	PPB	# 54
55) Ethyl Methacrylate	20.97	69	353252	12.63	PPB	# 76
56) 1,1,2-Trichloroethane	21.22	97	270479	11.84	PPB	# 91
57) Tetrachloroethene	21.56	166	406291	11.45	PPB	# 98
58) 2-Hexanone	21.67	43	432925	12.34	PPB	# 86
59) Dibromochloromethane	22.00	127	496276	12.13	PPB	# 97
60) 1,2-Dibromoethane	22.27	107	474629	12.35	PPB	# 100
61) Chlorobenzene	23.17	112	577988	12.05	PPB	# 87
62) 1,1,1,2-Tetrachloroethane	23.29	131	360357	11.12	PPB	# 99
63) Ethylbenzene	23.33	91	911790	11.67	PPB	# 93
64) m/p-Xylene	23.54	91	1338834	23.19	PPB	# 90
65) o-Xylene	24.31	91	701919	12.55	PPB	# 91
66) Styrene	24.32	104	542150	12.30	PPB	# 79
67) Bromoform	24.73	173	595896	12.15	PPB	# 96
68) Cumene	24.99	105	944703	12.49	PPB	# 93
69) 1,1,2,2-Tetrachloroethane	25.51	83	528665	12.80	PPB	# 99
70) 1,2,3-Trichloropropane	25.64	110	165261	12.47	PPB	# 87
71) Bromobenzene	25.65	156	397643	12.82	PPB	# 99
72) 4-Ethyltoluene	25.97	105	958400	11.62	PPB	# 94
73) 1,3,5-Trimethylbenzene	26.08	105	784537	11.82	PPB	# 90
74) Alpha Methyl Styrene	26.51	118	382135	12.13	PPB	# 86
75) 1,2,4-Trimethylbenzene	26.81	105	767268	11.29	PPB	# 92
76) 1,3-Dichlorobenzene	27.42	146	550969	12.01	PPB	# 95
77) 1,4-Dichlorobenzene	27.58	146	553874	11.65	PPB	# 93
78) Benzyl Chloride	26.80	91	86274	12.00	PPB	# 100
79) 1,2-Dichlorobenzene	28.31	146	496829	11.43	PPB	# 96
80) Hexachloroethane	28.82	117	375001	11.55	PPB	# 95
81) 1,2,4-Trichlorobenzene	31.38	180	328327	13.19	PPB	# 63
82) Hexachlorobutadiene	31.67	225	343510	13.77	PPB	# 97

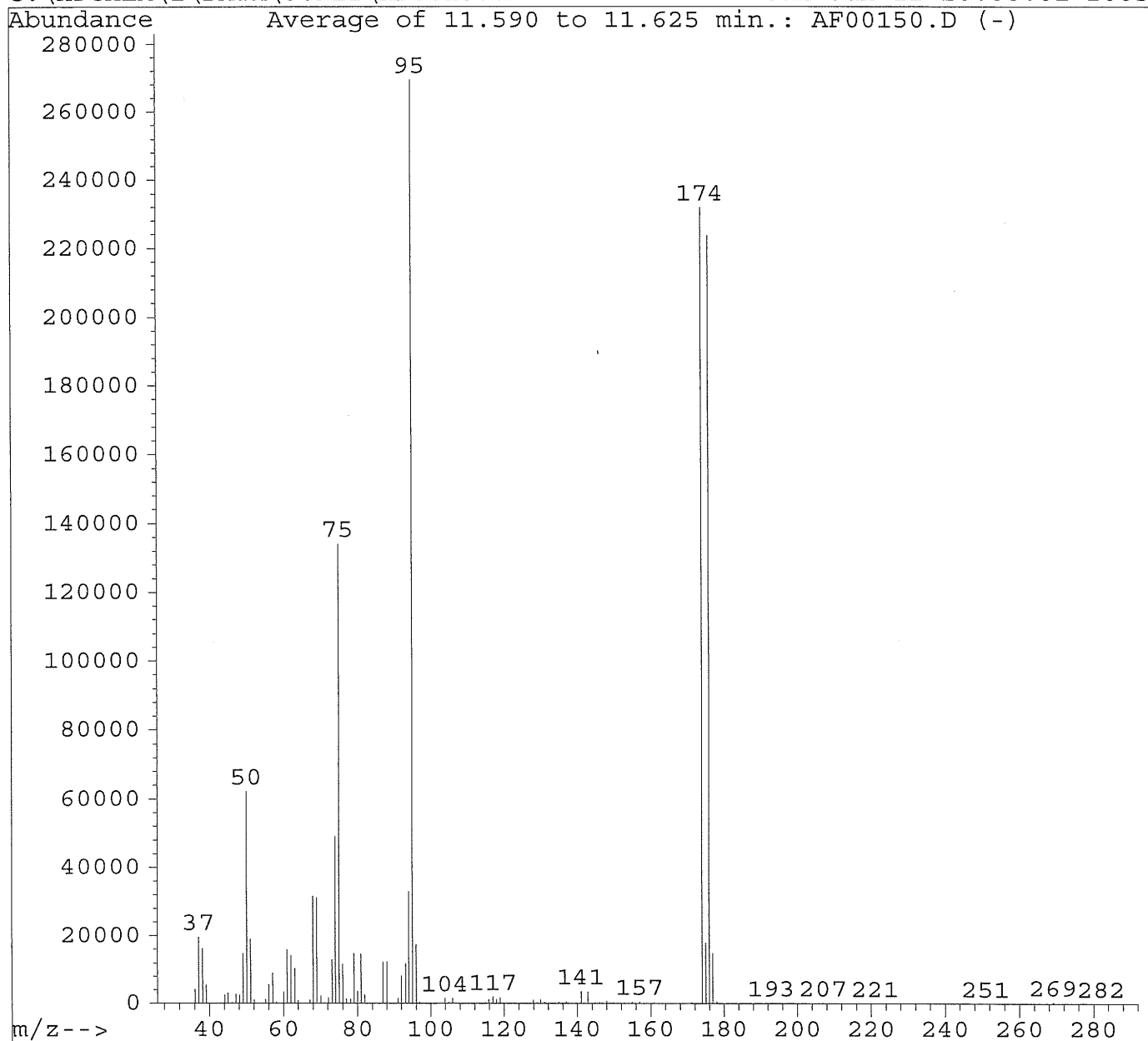
8599

Raw QC Data

BFB 624 Results

C:\HPCHEM\1\DATA\JUN12\AF00150.D

Sun Jun 12 20:06:01 2005



Peak Apex is scan: 201

Average of 3 scans: 200,201,202 minus background scan 196

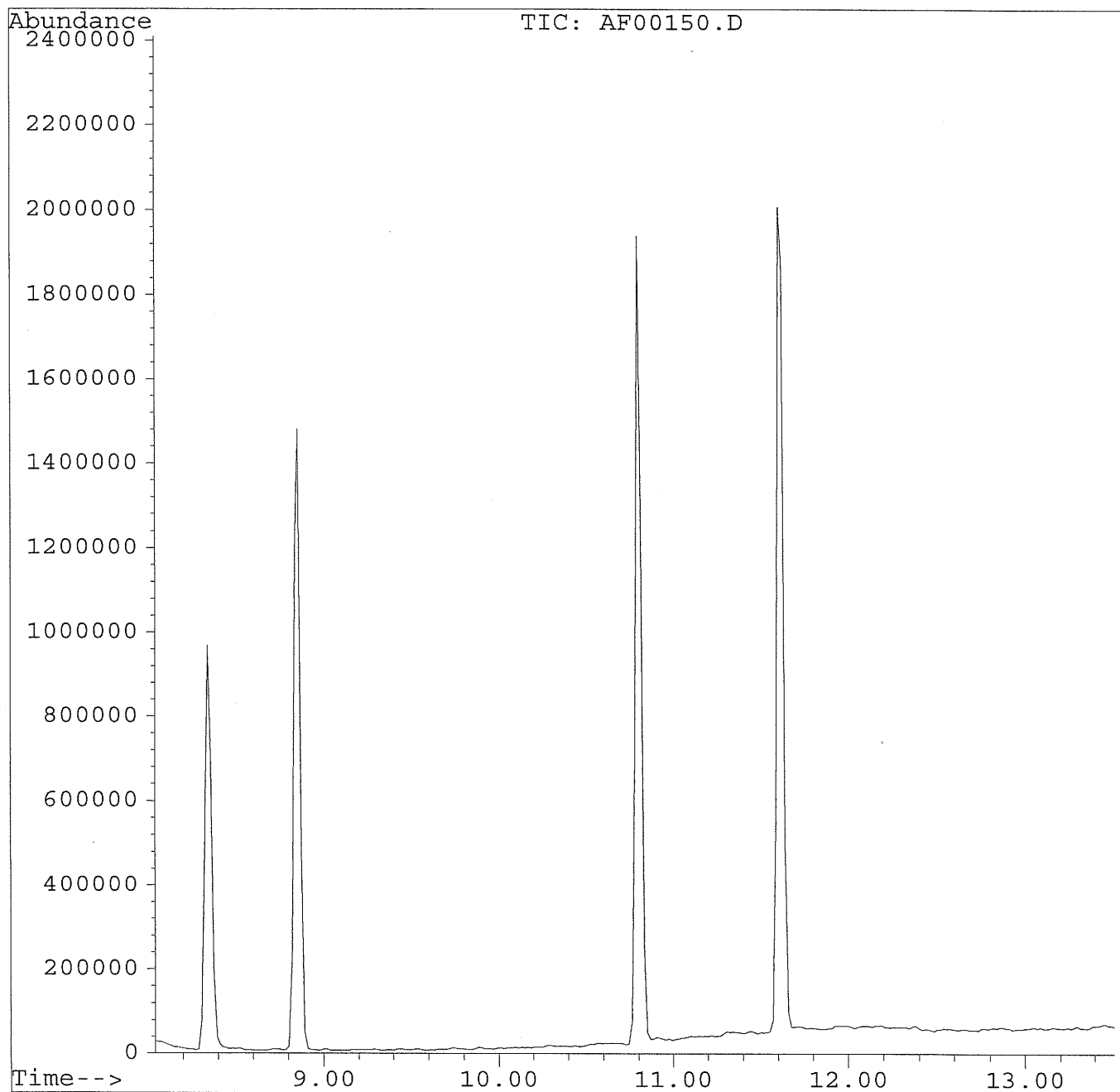
Target Mass	Comparison Mass	Lower Limit, %	Upper Limit, %	Relative Abundance, %	Result Pass/Fail
50	95	15	40	23.1	PASS
75	95	30	60	49.8	PASS
95	95	100	100	100.0	PASS
96	95	5	9	6.5	PASS
173	174	0	2	0.0	PASS
174	95	50	100	86.1	PASS
175	174	5	9	7.7	PASS
176	174	95	101	96.5	PASS
177	176	5	9	6.7	PASS

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN12\AF00150.D
Acq On : 12 Jun 05 7:52 pm
Sample : BFB
Misc :
Quant Time: Jun 12 20:05 2005

Vial: 1
Operator: GMM
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB.M
Title : TO14 SCAN METHOD
Last Update : Sun Oct 24 21:20:34 2004
Response via : Single Level Calibration



8682

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN12\AF00150.D
Acq On : 12 Jun 05 7:52 pm
Sample : BFB
Misc :
Quant Time: Jun 12 20:05 2005

Vial: 1
Operator: GMM
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB.M
Title : TO14 SCAN METHOD
Last Update : Sun Oct 24 21:20:34 2004
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
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System Monitoring Compounds

%Recovery

Target Compounds

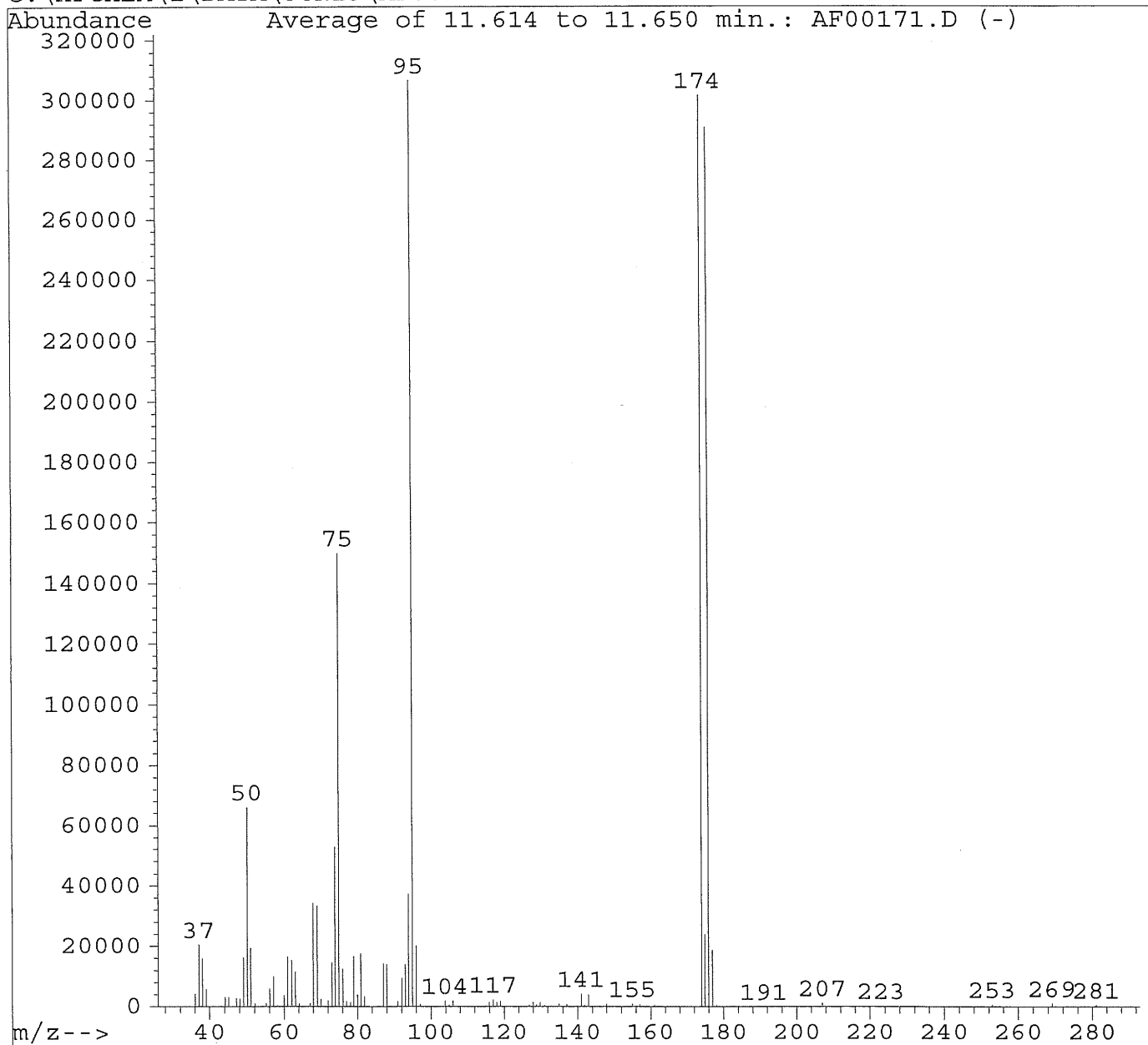
Qvalue

8689

BFB 624 Results

C:\HPCHEM\1\DATA\JUN13\AF00171.D

Mon Jun 13 18:06:13 2005



Peak Apex is scan: 200

Average of 3 scans: 199,200,201 minus background scan 191

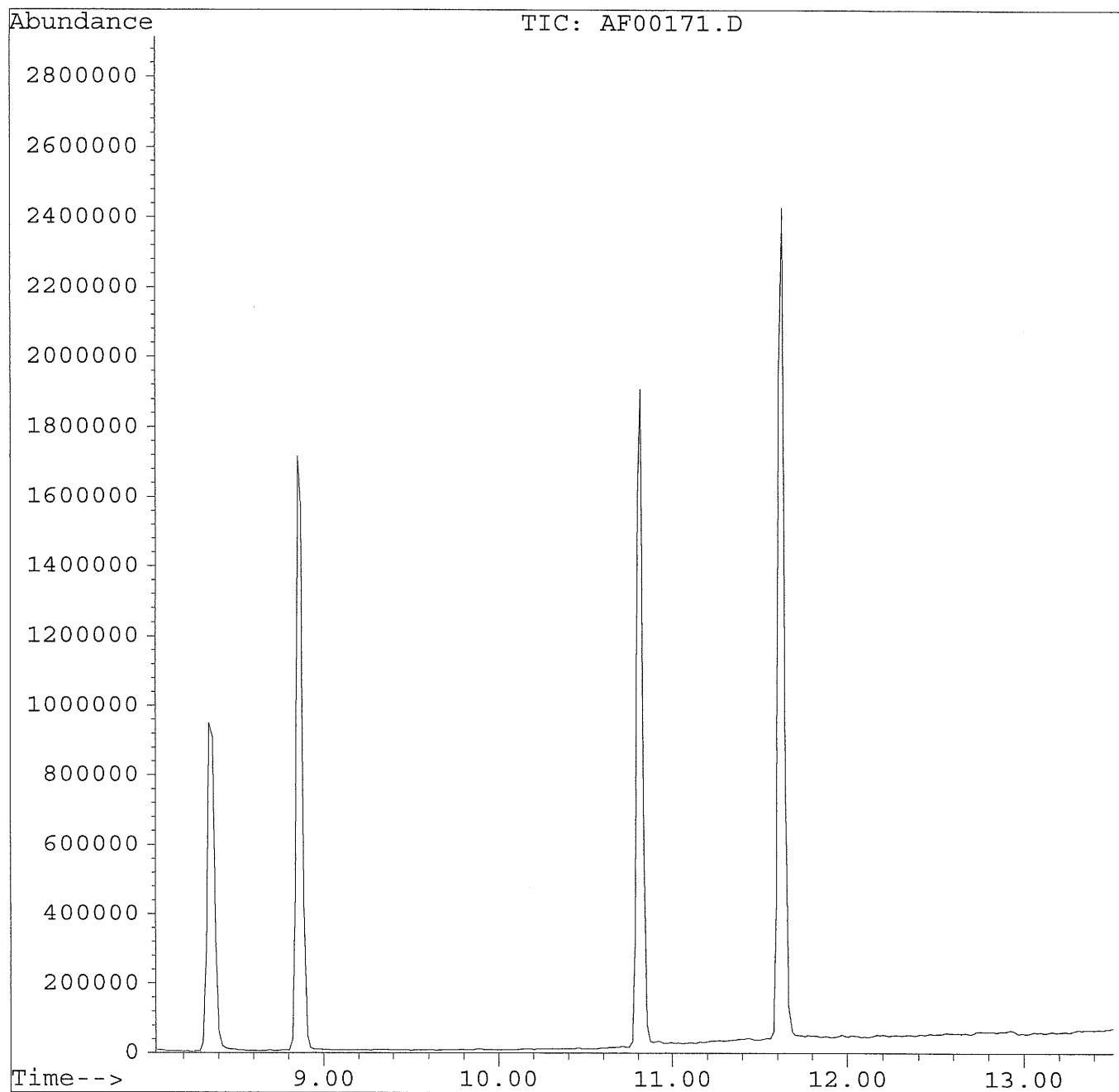
Target Mass	Comparison Mass	Lower Limit, %	Upper Limit, %	Relative Abundance, %	Result Pass/Fail
50	95	15	40	21.6	PASS
75	95	30	60	48.9	PASS
95	95	100	100	100.0	PASS
96	95	5	9	6.6	PASS
173	174	0	2	0.0	PASS
174	95	50	100	98.4	PASS
175	174	5	9	7.9	PASS
176	174	95	101	96.5	PASS
177	176	5	9	6.4	PASS

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00171.D
Acq On : 13 Jun 05 5:52 pm
Sample : BFB
Misc :
Quant Time: Jun 13 18:06 2005

Vial: 1
Operator: RDG
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB.M
Title : TO14 SCAN METHOD
Last Update : Sun Oct 24 21:20:34 2004
Response via : Single Level Calibration



8685

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00171.D
Acq On : 13 Jun 05 5:52 pm
Sample : BFB
Misc :
Quant Time: Jun 13 18:06 2005

Vial: 1
Operator: RDG
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB.M
Title : TO14 SCAN METHOD
Last Update : Sun Oct 24 21:20:34 2004
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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System Monitoring Compounds						%Recovery
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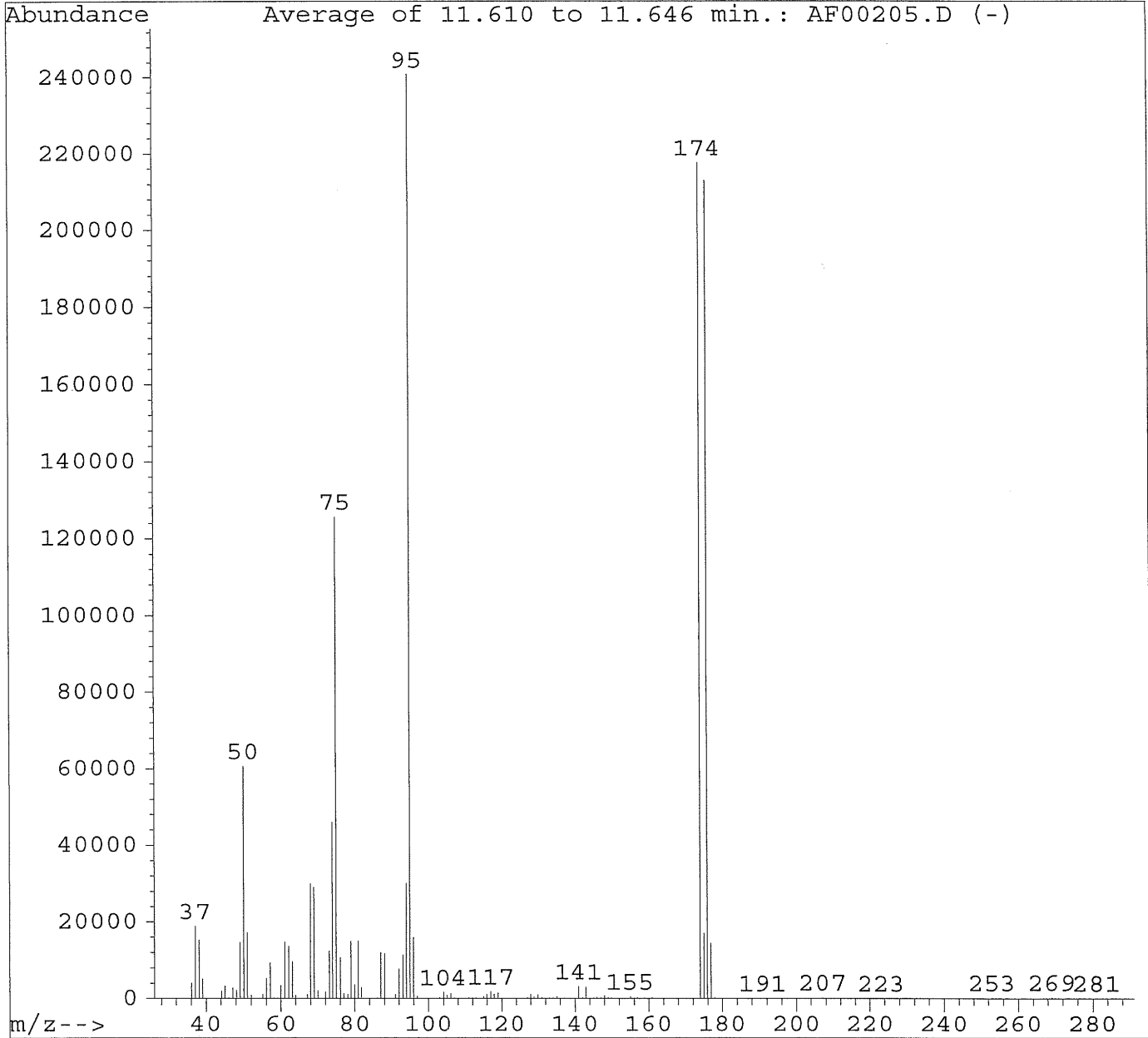
Target Compounds						Qvalue
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8686

BFB 624 Results

C:\HPCHEM\1\DATA\JUN14\AF00205.D

Tue Jun 14 18:23:07 2005



Peak Apex is scan: 202

Average of 3 scans: 201,202,203 minus background scan 197

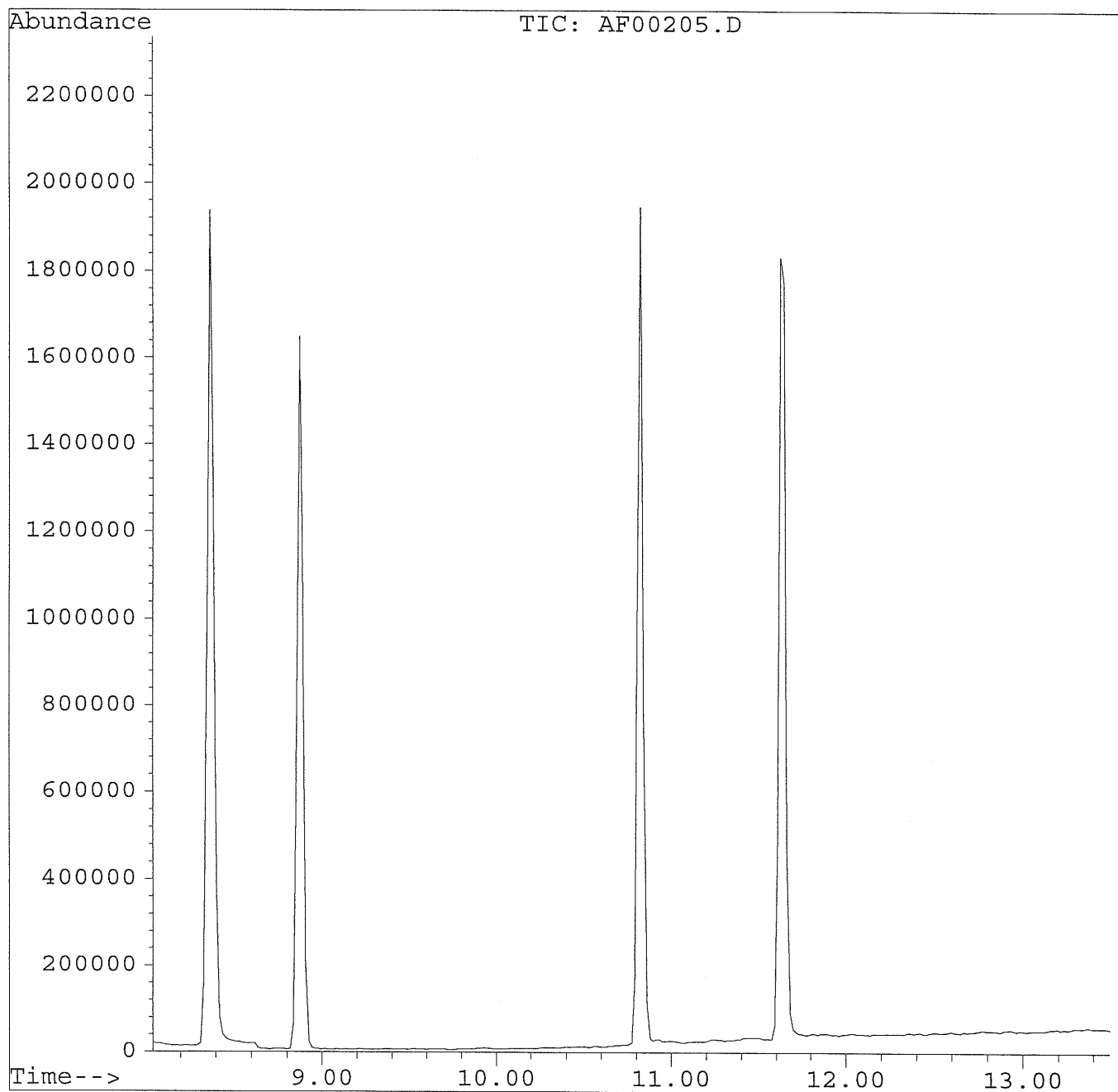
Target Mass	Comparison Mass	Lower Limit, %	Upper Limit, %	Relative Abundance, %	Result Pass/Fail
50	95	15	40	25.2	PASS
75	95	30	60	52.2	PASS
95	95	100	100	100.0	PASS
96	95	5	9	6.6	PASS
173	174	0	2	0.0	PASS
174	95	50	100	90.4	PASS
175	174	5	9	7.8	PASS
176	174	95	101	97.9	PASS
177	176	5	9	6.8	PASS

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN14\AF00205.D
Acq On : 14 Jun 05 6:09 pm
Sample : BFB
Misc :
Quant Time: Jun 14 18:23 2005

Vial: 1
Operator: RDG
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB.M
Title : TO14 SCAN METHOD
Last Update : Sun Oct 24 21:20:34 2004
Response via : Single Level Calibration



0608

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN14\AF00205.D
Acq On : 14 Jun 05 6:09 pm
Sample : BFB
Misc :
Quant Time: Jun 14 18:23 2005

Vial: 1
Operator: RDG
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB.M
Title : TO14 SCAN METHOD
Last Update : Sun Oct 24 21:20:34 2004
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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System Monitoring Compounds						%Recovery
-----------------------------	--	--	--	--	--	-----------

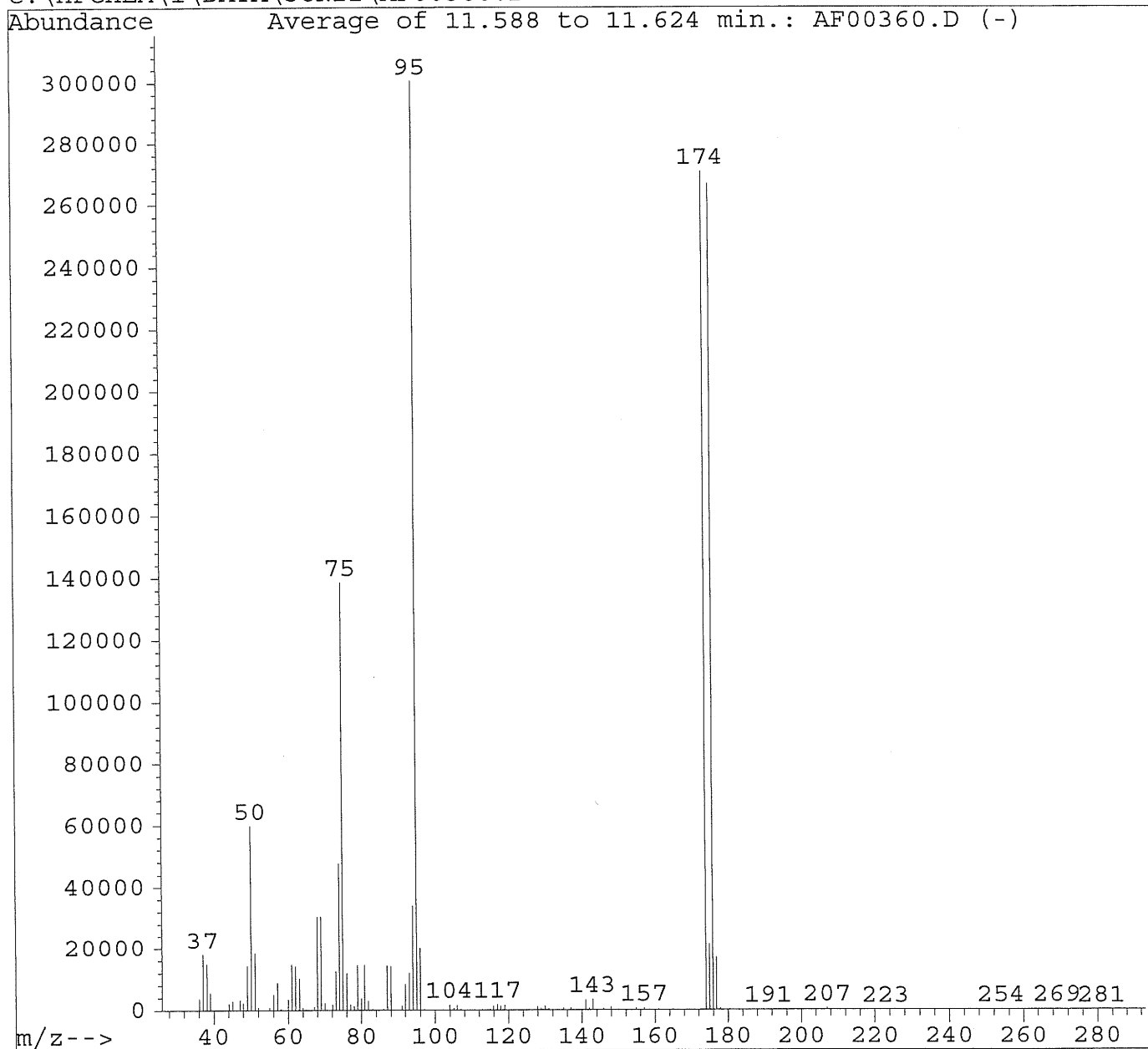
Target Compounds						Qvalue
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0609

BFB 624 Results

C:\HPCHEM\1\DATA\JUN22\AF00360.D

Wed Jun 22 09:45:40 2005



Peak Apex is scan: 202

Average of 3 scans: 201, 202, 203 minus background scan 196

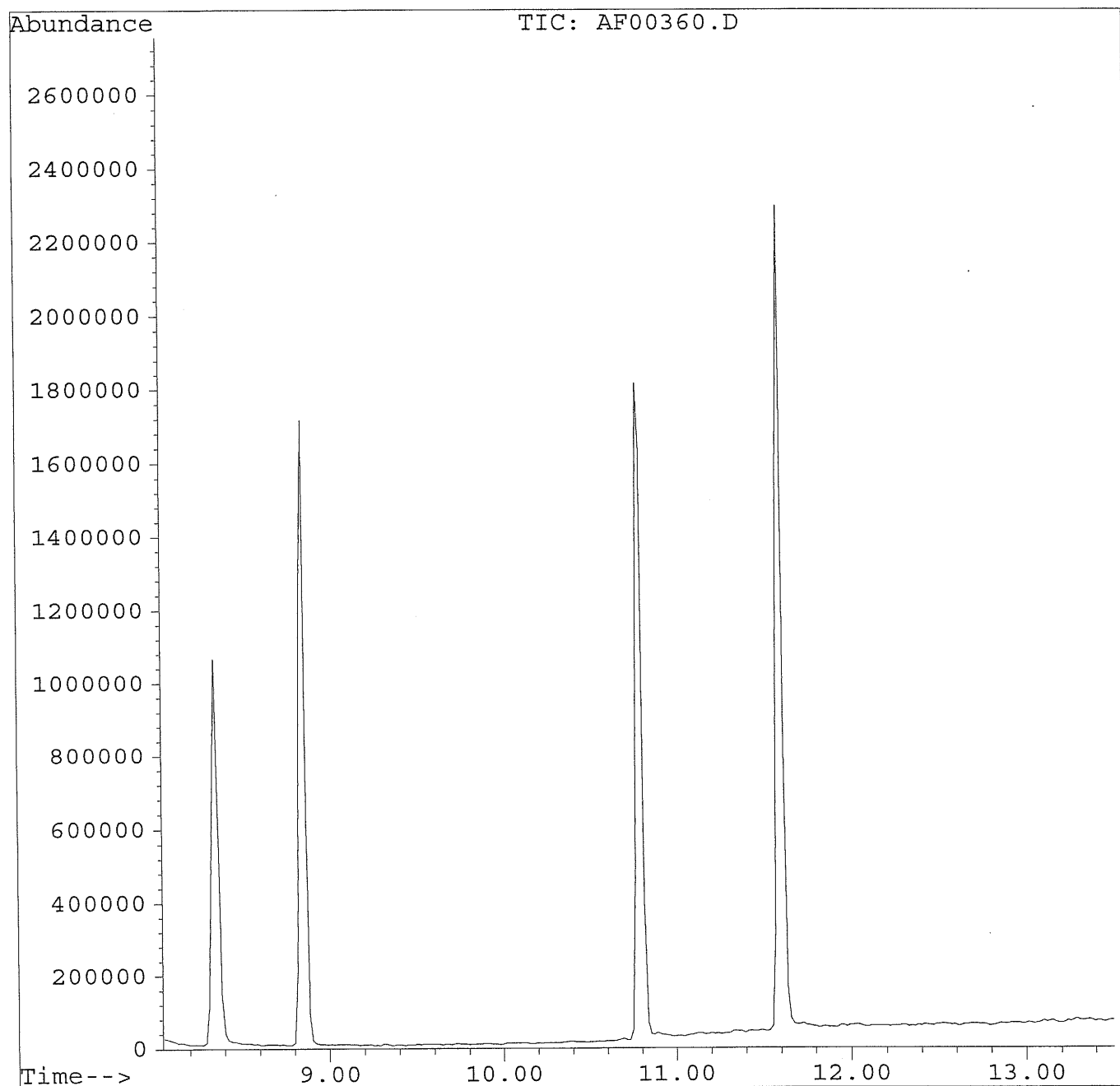
Target Mass	Comparison Mass	Lower Limit, %	Upper Limit, %	Relative Abundance, %	Result Pass/Fail
50	95	15	40	19.9	PASS
75	95	30	60	46.1	PASS
95	95	100	100	100.0	PASS
96	95	5	9	6.7	PASS
173	174	0	2	0.0	PASS
174	95	50	100	90.2	PASS
175	174	5	9	7.8	PASS
176	174	95	101	98.6	PASS
177	176	5	9	6.3	PASS

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00360.D
Acq On : 22 Jun 05 9:32 am
Sample : BFB
Misc :
Quant Time: Jun 22 9:45 2005

Vial: 1
Operator: JBS
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB.M
Title : TO14 SCAN METHOD
Last Update : Sun Oct 24 21:20:34 2004
Response via : Single Level Calibration



0611

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00360.D
Acq On : 22 Jun 05 9:32 am
Sample : BFB
Misc :
Quant Time: Jun 22 9:45 2005

Vial: 1
Operator: JBS
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB.M
Title : TO14 SCAN METHOD
Last Update : Sun Oct 24 21:20:34 2004
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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System Monitoring Compounds						%Recovery
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Target Compounds						Qvalue
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8612

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

Sample No.: VBLKA20 Date Collected: Date Received:
Lab Sample ID: VBLKA20 Date Analyzed: 06/13/05 Time Analyzed: 20:31
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN13\AF00174.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
75-71-8	Dichlorodifluoromethane	0.2	U
76-14-2	Freon 114	0.2	U
74-87-3	Chloromethane	0.2	U
75-01-4	Vinyl Chloride	0.2	U
74-83-9	Bromomethane	0.2	U
75-00-3	Chloroethane	0.2	U
75-69-4	Trichlorofluoromethane	0.2	U
75-35-4	1,1-Dichloroethene	0.2	U
76-13-1	Freon 113	0.5	U
107-05-1	3-Chloropropene	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	U
67-66-3	Chloroform	0.2	U
71-55-6	1,1,1-Trichloroethane	0.2	U
56-23-5	Carbon Tetrachloride	0.2	U
107-06-2	1,2-Dichloroethane	0.2	U
71-43-2	Benzene	0.2	U
79-01-6	Trichloroethene	0.2	U
78-87-5	1,2-Dichloropropane	0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	U
127-18-4	Tetrachloroethene	0.2	U
106-93-4	1,2-Dibromoethane	0.2	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethylbenzene	0.2	U
1330-20-7	m/p-Xylene	0.2	U
95-47-6	o-Xylene	0.2	U
100-42-5	Styrene	0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U
622-96-8	4-Ethyltoluene	0.2	U
108-67-8	1,3,5-Trimethylbenzene	0.2	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.

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

Sample No.: VBLKA20 Date Collected: Date Received:
Lab Sample ID: VBLKA20 Date Analyzed: 06/13/05 Time Analyzed: 20:31
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN13\AF00174.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
95-63-6	1,2,4-Trimethylbenzene	0.2	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
120-82-1	1,2,4-Trichlorobenzene	1	U

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

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

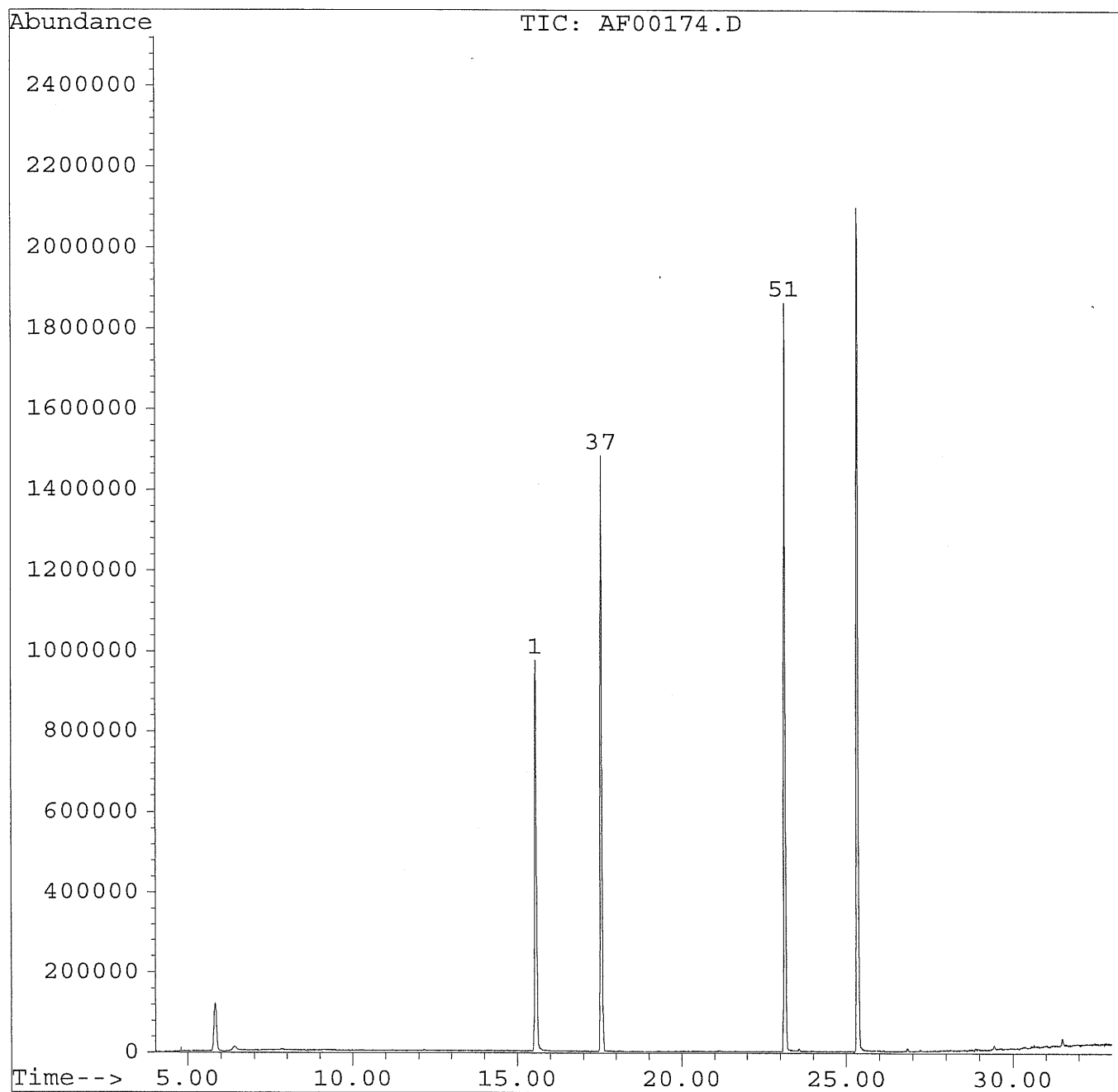
J = Compound was detected, but below the limit of quantitation.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00174.D
Acq On : 13 Jun 05 8:31 pm
Sample : VBLKA20
Misc :
Quant Time: Jun 13 21:04 2005

Vial: 4
Operator: RDG
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
Title : TO14 SCAN METHOD
Last Update : Mon Jun 13 19:30:25 2005
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00174.D
 Acq On : 13 Jun 05 8:31 pm
 Sample : VBLKA20
 Misc :
 Quant Time: Jun 13 21:04 2005

Vial: 4
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Mon Jun 13 19:30:25 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Bromochloromethane	15.56	130	704970	10.00	PPB	0.00
37) 1,4-Difluorobenzene	17.56	114	2269656	10.00	PPB	0.00
51) Chlorobenzene d5	23.16	117	2068652	10.00	PPB	0.00

System Monitoring Compounds %Recovery

Target Compounds Qvalue

0616

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

Sample No.: VBLKA21 Date Collected: Date Received:
Lab Sample ID: VBLKA21 Date Analyzed: 06/14/05 Time Analyzed: 20:24
Canister ID: SUMMA Pressure Rec'd: 14.7 psia Final Pressure: 14.7 psia
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN14\AF00208.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
75-71-8	Dichlorodifluoromethane	0.2	U
76-14-2	Freon 114	0.2	U
74-87-3	Chloromethane	0.2	U
75-01-4	Vinyl Chloride	0.2	U
74-83-9	Bromomethane	0.2	U
75-00-3	Chloroethane	0.2	U
75-69-4	Trichlorofluoromethane	0.2	U
75-35-4	1,1-Dichloroethene	0.2	U
76-13-1	Freon 113	0.5	U
107-05-1	3-Chloropropene	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	U
67-66-3	Chloroform	0.2	U
71-55-6	1,1,1-Trichloroethane	0.2	U
56-23-5	Carbon Tetrachloride	0.2	U
107-06-2	1,2-Dichloroethane	0.2	U
71-43-2	Benzene	0.2	U
79-01-6	Trichloroethene	0.2	U
78-87-5	1,2-Dichloropropane	0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	U
127-18-4	Tetrachloroethene	0.2	U
106-93-4	1,2-Dibromoethane	0.2	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethylbenzene	0.2	U
1330-20-7	m/p-Xylene	0.2	U
95-47-6	o-Xylene	0.2	U
100-42-5	Styrene	0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U
622-96-8	4-Ethyltoluene	0.2	U
108-67-8	1,3,5-Trimethylbenzene	0.2	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.

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

Sample No.: VBLKA21 Date Collected: Date Received:
Lab Sample ID: VBLKA21 Date Analyzed: 06/14/05 Time Analyzed: 20:24
Canister ID: SUMMA Pressure Rec'd: 14.7 psia Final Pressure: 14.7 psia
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN14\AF00208.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
95-63-6	1,2,4-Trimethylbenzene	0.2	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
120-82-1	1,2,4-Trichlorobenzene	1	U

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

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

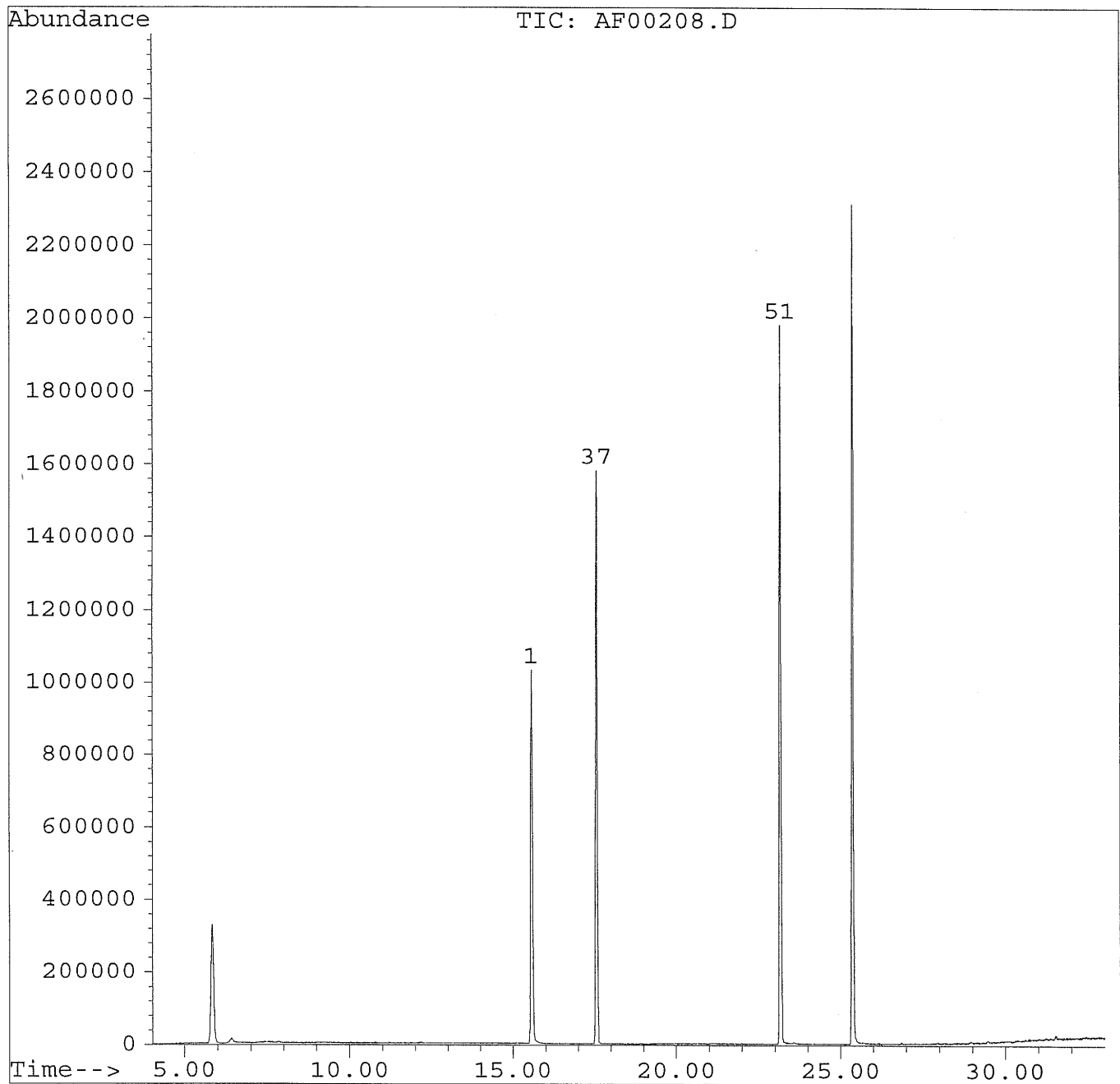
J = Compound was detected, but below the limit of quantitation.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN14\AF00208.D
Acq On : 14 Jun 05 8:24 pm
Sample : VBLKA21
Misc :
Quant Time: Jun 14 20:58 2005

Vial: 4
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



8619

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN14\AF00208.D
 Acq On : 14 Jun 05 8:24 pm
 Sample : VBLKA21
 Misc :
 Quant Time: Jun 14 20:58 2005

Vial: 4
 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	15.58	130	741901	10.00	PPB	0.00
37) 1,4-Difluorobenzene	17.57	114	2357870	10.00	PPB	0.00
51) Chlorobenzene d5	23.17	117	2202254	10.00	PPB	0.00

System Monitoring Compounds %Recovery

Target Compounds Qvalue

8620

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

Sample No.: VBLKA32 Date Collected: Date Received:
Lab Sample ID: VBLKA32 Date Analyzed: 06/22/05 Time Analyzed: 13:57
Canister ID: SUMMA Pressure Rec'd: 14.7 psia Final Pressure: 14.7 psia
Injection Volume: 125 cc Nominal Volume: 125 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN22\AF00366.D

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

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

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

Sample No.: VBLKA32 Date Collected: Date Received:
Lab Sample ID: VBLKA32 Date Analyzed: 06/22/05 Time Analyzed: 13:57
Canister ID: SUMMA Pressure Rec'd: 14.7 psia Final Pressure: 14.7 psia
Injection Volume: 125 cc Nominal Volume: 125 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN22\AF00366.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: ppb(v)	Q
95-63-6	1,2,4-Trimethylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

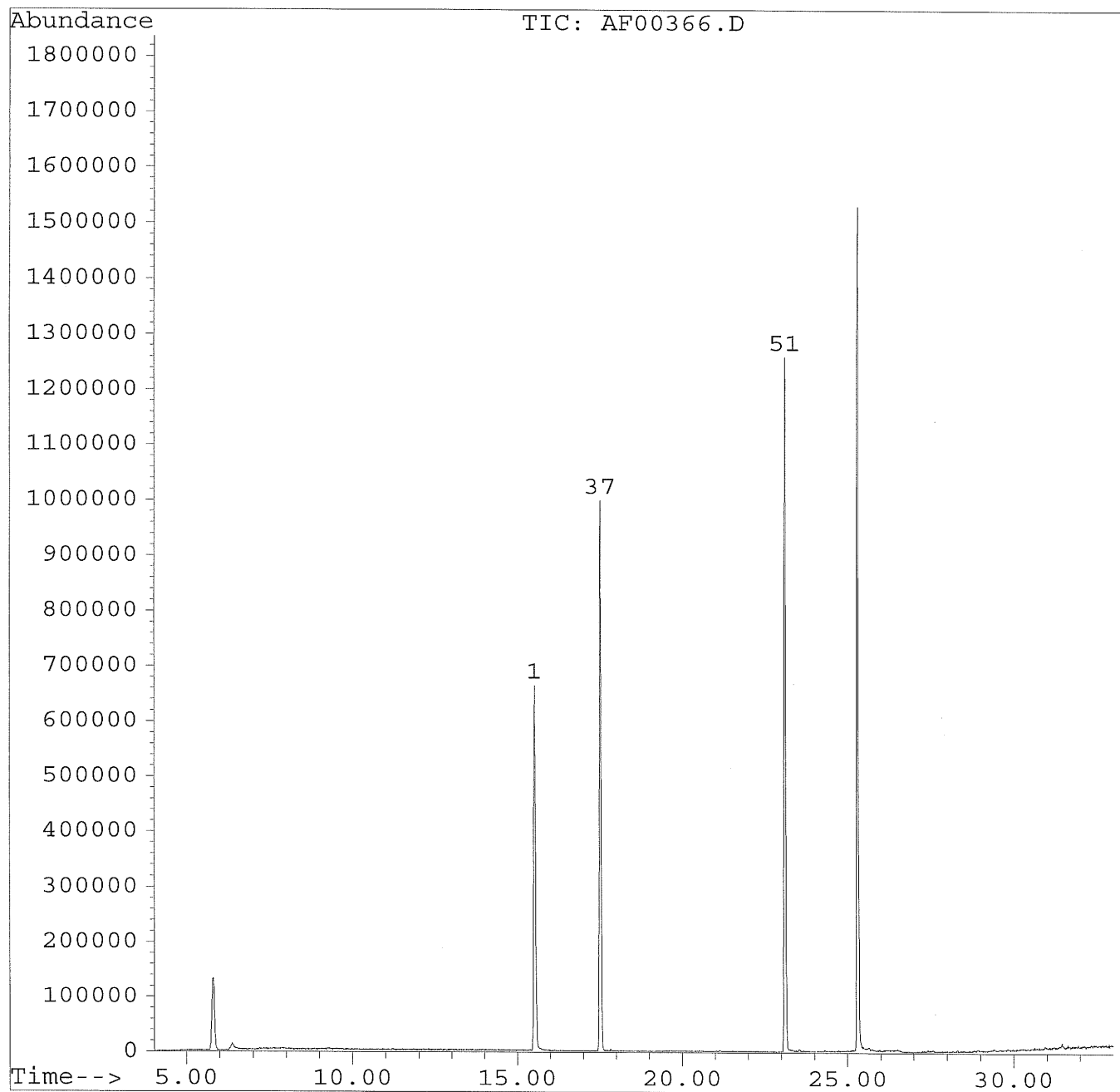
U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00366.D
Acq On : 22 Jun 05 1:57 pm
Sample : VBLKA32
Misc :
Quant Time: Jun 22 14:30 2005

Vial: 4
Operator: JBS
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
Title : TO14 SCAN METHOD
Last Update : Wed Jun 22 13:06:24 2005
Response via : Single Level Calibration



0623

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00366.D
 Acq On : 22 Jun 05 1:57 pm
 Sample : VBLKA32
 Misc :
 Quant Time: Jun 22 14:30 2005

Vial: 4
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 13:06:24 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	15.53	130	487832	10.00	PPB	0.00
37) 1,4-Difluorobenzene	17.52	114	1477093	10.00	PPB	0.00
51) Chlorobenzene d5	23.12	117	1380057	10.00	PPB	0.00

System Monitoring Compounds %Recovery

Target Compounds Qvalue

8624

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

Sample No.: LCSA20 Date Collected: Date Received:
Lab Sample ID: LCSA20 Date Analyzed: 06/13/05 Time Analyzed: 21:14
Canister ID: SUMMA Pressure Rec'd: 14.7 psia Final Pressure: 14.7 psia
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN13\AF00175.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ug/m3	Q
75-71-8	Dichlorodifluoromethane	250	
76-14-2	Freon 114	350	
74-87-3	Chloromethane	98	
75-01-4	Vinyl Chloride	120	
74-83-9	Bromomethane	180	
75-00-3	Chloroethane	130	
75-69-4	Trichlorofluoromethane	280	
75-35-4	1,1-Dichloroethene	200	
76-13-1	Freon 113	400	
107-05-1	3-Chloropropene	3	
75-09-2	Methylene Chloride	190	
75-34-3	1,1-Dichloroethane	220	
156-59-2	cis-1,2-Dichloroethene	210	
67-66-3	Chloroform	260	
71-55-6	1,1,1-Trichloroethane	310	
56-23-5	Carbon Tetrachloride	340	
107-06-2	1,2-Dichloroethane	220	
71-43-2	Benzene	180	
79-01-6	Trichloroethene	290	
78-87-5	1,2-Dichloropropane	260	
10061-01-5	cis-1,3-Dichloropropene	190	
108-88-3	Toluene	220	
10061-02-6	trans-1,3-Dichloropropene	220	
79-00-5	1,1,2-Trichloroethane	290	
127-18-4	Tetrachloroethene	360	
106-93-4	1,2-Dibromoethane	390	
108-90-7	Chlorobenzene	260	
100-41-4	Ethylbenzene	240	
1330-20-7	m/p-Xylene	480	
95-47-6	o-Xylene	240	
100-42-5	Styrene	230	
79-34-5	1,1,2,2-Tetrachloroethane	390	
622-96-8	4-Ethyltoluene	6	
108-67-8	1,3,5-Trimethylbenzene	260	

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.: LCSA20 Date Collected: Date Received:
Lab Sample ID: LCSA20 Date Analyzed: 06/13/05 Time Analyzed: 21:14
Canister ID: SUMMA Pressure Rec'd: 14.7 psia Final Pressure: 14.7 psia
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN13\AF00175.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ug/m3	Q
95-63-6	1,2,4-Trimethylbenzene	260	
541-73-1	1,3-Dichlorobenzene	300	
106-46-7	1,4-Dichlorobenzene	290	
95-50-1	1,2-Dichlorobenzene	280	
120-82-1	1,2,4-Trichlorobenzene	320	

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

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

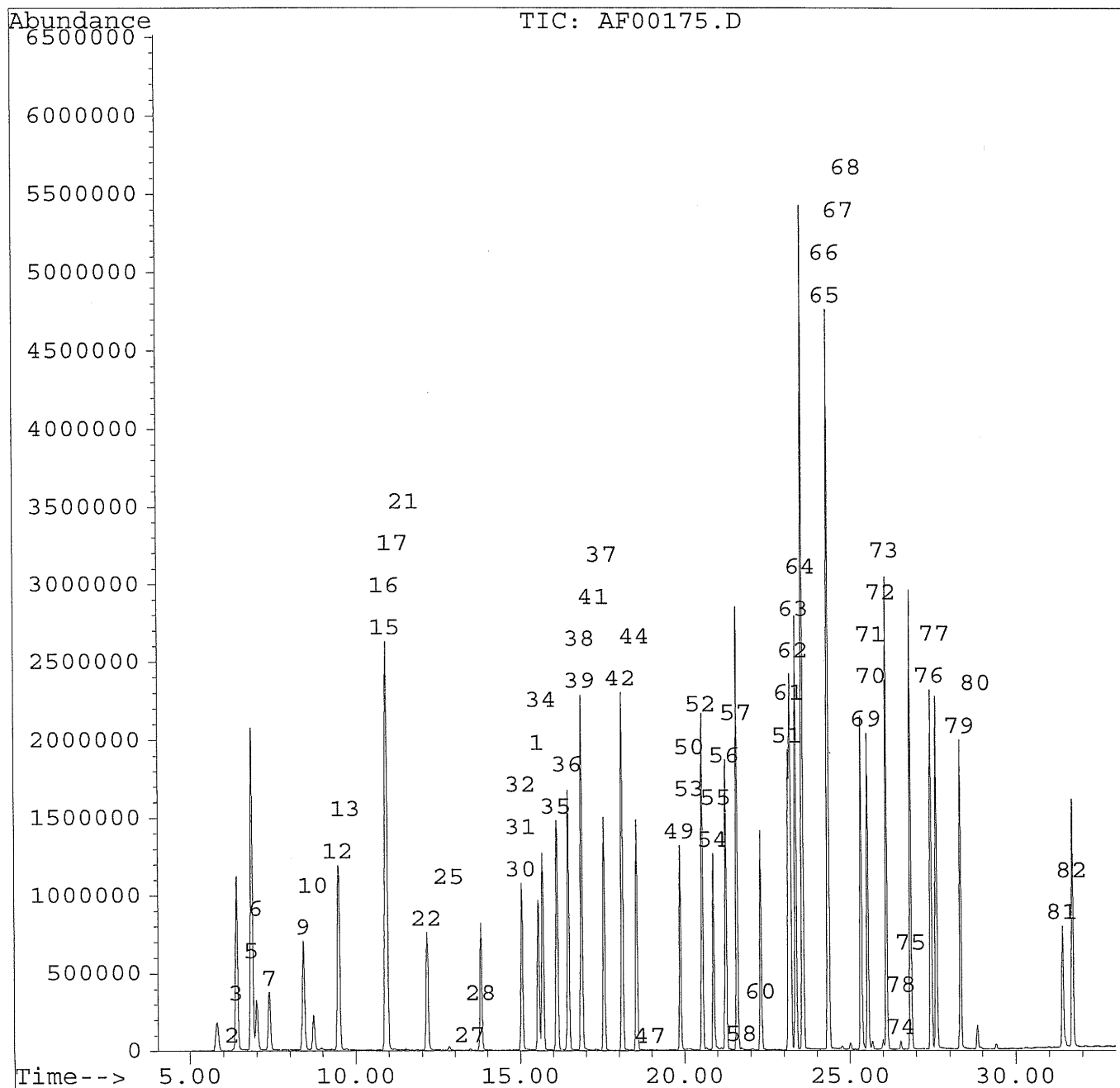
J = Compound was detected, but below the limit of quantitation.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00175.D
Acq On : 13 Jun 05 9:14 pm
Sample : LCSA20
Misc :
Quant Time: Jun 13 21:47 2005

Vial: 3
Operator: RDG
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
Title : TO14 SCAN METHOD
Last Update : Mon Jun 13 19:30:25 2005
Response via : Single Level Calibration



8627

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00175.D
 Acq On : 13 Jun 05 9:14 pm
 Sample : LCSA20
 Misc :
 Quant Time: Jun 13 21:47 2005

Vial: 3
 Operator: RDG
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Mon Jun 13 19:30:25 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	15.57	130	700323	10.00	PPB	0.01
37) 1,4-Difluorobenzene	17.55	114	2201268	10.00	PPB	0.00
51) Chlorobenzene d5	23.15	117	2043157	10.00	PPB	0.00

System Monitoring Compounds %Recovery

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propene	6.27	41	6535	0.40	PPB	# 66
3) Dichlorodifluoromethane	6.40	85	2760422	50.05	PPB	97
5) Freon 114	6.85	85	3136998	49.65	PPB	78
6) Chloromethane	6.99	50	955878	47.92	PPB	99
7) Vinyl Chloride	7.37	62	1056956	48.67	PPB	99
9) Bromomethane	8.41	94	1207702	46.91	PPB	100
10) Chloroethane	8.72	64	498206	48.11	PPB	100
12) Trichlorofluoromethane	9.48	101	2492374	50.50	PPB	98
13) Pentane	9.71	43	10335	0.39	PPB	93
15) 1,1-Dichloroethene	10.92	61	1485419	50.66	PPB	85
16) Freon 113	10.92	103	1268096	52.60	PPB	94
17) Acetone	11.18	43	14227	0.56	PPB	91
21) 3-Chloropropene	11.53	76	7095	1.05	PPB	# 1
22) Methylene Chloride	12.14	84	783587	54.23	PPB	# 81
25) trans-1,2-Dichloroethene	12.83	61	22911	0.97	PPB	# 77
27) Hexane	13.47	57	5848	0.28	PPB	# 82
28) 1,1-Dichloroethane	13.80	63	1632125	53.68	PPB	100
30) cis-1,2-Dichloroethene	15.05	61	1222278	53.81	PPB	# 63
31) 2-Butanone	15.06	72	8279	1.14	PPB	# 1
32) Ethyl Acetate	15.07	70	11921	3.27	PPB	# 100
34) Chloroform	15.70	83	1878020	54.10	PPB	93
35) 1,1,1-Trichloroethane	16.12	97	1869854	56.65	PPB	90
36) Carbon Tetrachloride	16.47	117	1995016	54.31	PPB	99
38) 1,2-Dichloroethane	16.88	62	1241117	55.21	PPB	97
39) Benzene	16.87	78	2378472	56.93	PPB	95
41) Heptane	17.30	43	5827	0.21	PPB	# 75
42) Trichloroethene	18.11	130	1423813	54.25	PPB	# 88
44) 1,2-Dichloropropane	18.55	63	991486	56.00	PPB	94
47) 1,4-Dioxane	18.95	88	2690	0.30	PPB	# 19
49) cis-1,3-Dichloropropene	19.87	75	1308267	42.42	PPB	# 81
50) 4-Methyl-2-Pentanone	20.19	43	9474	0.27	PPB	# 93
52) Toluene	20.54	91	2930705	58.43	PPB	98
53) Octane	20.19	43	9474	0.28	PPB	# 52
54) trans-1,3-Dichloropropene	20.89	75	1164340	49.12	PPB	# 55
55) Ethyl Methacrylate	20.99	69	12681	0.47	PPB	# 71
56) 1,1,2-Trichloroethane	21.26	97	1125387	53.18	PPB	92
57) Tetrachloroethene	21.59	166	1598202	53.49	PPB	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN13\AF00175.D
Acq On : 13 Jun 05 9:14 pm
Sample : LCSA20
Misc :
Quant Time: Jun 13 21:47 2005

Vial: 3
Operator: RDG
Inst : HP4224
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
Title : TO14 SCAN METHOD
Last Update : Mon Jun 13 19:30:25 2005
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
58) 2-Hexanone	21.72	43	12016	0.40	PPB	# 94
60) 1,2-Dibromoethane	22.31	107	1813154	51.01	PPB	100
61) Chlorobenzene	23.21	112	2471990	56.29	PPB	87
62) 1,1,1,2-Tetrachloroethane	23.33	131	6745	0.26	PPB	# 85
63) Ethylbenzene	23.37	91	3786543	55.44	PPB	93
64) m/p-Xylene	23.58	91	6023999	109.78	PPB	91
65) o-Xylene	24.35	91	3011311	56.27	PPB	92
66) Styrene	24.36	104	2243237	54.23	PPB	81
67) Bromoform	24.77	173	15665	0.47	PPB	97
68) Cumene	25.02	105	54961	0.91	PPB	# 95
69) 1,1,2,2-Tetrachloroethane	25.54	83	2092002	57.92	PPB	100
70) 1,2,3-Trichloropropane	25.67	110	5973	0.62	PPB	79
71) Bromobenzene	25.68	156	17147	0.75	PPB	98
72) 4-Ethyltoluene	26.00	105	83988	1.13	PPB	100
73) 1,3,5-Trimethylbenzene	26.11	105	3152775	53.29	PPB	89
74) Alpha Methyl Styrene	26.54	118	29828	1.28	PPB	89
75) 1,2,4-Trimethylbenzene	26.84	105	3121373	52.66	PPB	93
76) 1,3-Dichlorobenzene	27.45	146	1879503	50.65	PPB	96
77) 1,4-Dichlorobenzene	27.61	146	1797410	48.66	PPB	92
78) Benzyl Chloride	26.54	91	8006	1.45	PPB	# 100
79) 1,2-Dichlorobenzene	28.34	146	1579679	46.81	PPB	98
80) Hexachloroethane	28.86	117	68513	3.25	PPB	96
81) 1,2,4-Trichlorobenzene	31.42	180	537728	43.45	PPB	# 61
82) Hexachlorobutadiene	31.71	225	698691	53.59	PPB	98

8629

(#) = qualifier out of range (m) = manual integration
AF00175.D ALL198.M Mon Jun 13 21:47:21 2005

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

Sample No.: LCSA32 Date Collected: Date Received:
Lab Sample ID: LCSA32 Date Analyzed: 06/22/05 Time Analyzed: 14:39
Canister ID: SUMMA Pressure Rec'd: 14.7 psia Final Pressure: 14.7 psia
Injection Volume: 125 cc Nominal Volume: 125 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN22\AF00367.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: ug/m3	Q
75-71-8	Dichlorodifluoromethane	310	U
76-14-2	Freon 114	370	
74-87-3	Chloromethane	130	
75-01-4	Vinyl Chloride	160	
74-83-9	Bromomethane	200	
75-00-3	Chloroethane	130	
75-69-4	Trichlorofluoromethane	300	
75-35-4	1,1-Dichloroethene	210	
76-13-1	Freon 113	440	
107-05-1	3-Chloropropene	3	
75-09-2	Methylene Chloride	190	
75-34-3	1,1-Dichloroethane	210	
156-59-2	cis-1,2-Dichloroethene	210	
67-66-3	Chloroform	260	
71-55-6	1,1,1-Trichloroethane	310	
56-23-5	Carbon Tetrachloride	340	
107-06-2	1,2-Dichloroethane	210	
71-43-2	Benzene	180	
79-01-6	Trichloroethene	280	
78-87-5	1,2-Dichloropropane	260	
10061-01-5	cis-1,3-Dichloropropene	180	
108-88-3	Toluene	200	
10061-02-6	trans-1,3-Dichloropropene	190	
79-00-5	1,1,2-Trichloroethane	260	
127-18-4	Tetrachloroethene	300	
106-93-4	1,2-Dibromoethane	350	
108-90-7	Chlorobenzene	230	
100-41-4	Ethylbenzene	200	
1330-20-7	m/p-Xylene	430	
95-47-6	o-Xylene	230	
100-42-5	Styrene	210	
79-34-5	1,1,2,2-Tetrachloroethane	300	
622-96-8	4-Ethyltoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	200	

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

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

Sample No.: LCSA32 Date Collected: Date Received:
 Lab Sample ID: LCSA32 Date Analyzed: 06/22/05 Time Analyzed: 14:39
 Canister ID: SUMMA Pressure Rec'd: 14.7 psia Final Pressure: 14.7 psia
 Injection Volume: 125 cc Nominal Volume: 125 cc Dilution Factor: 1.0
 Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUN22\AF00367.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: ug/m3	Q
95-63-6	1,2,4-Trimethylbenzene	200	
541-73-1	1,3-Dichlorobenzene	220	
106-46-7	1,4-Dichlorobenzene	210	
95-50-1	1,2-Dichlorobenzene	200	
120-82-1	1,2,4-Trichlorobenzene	130	

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

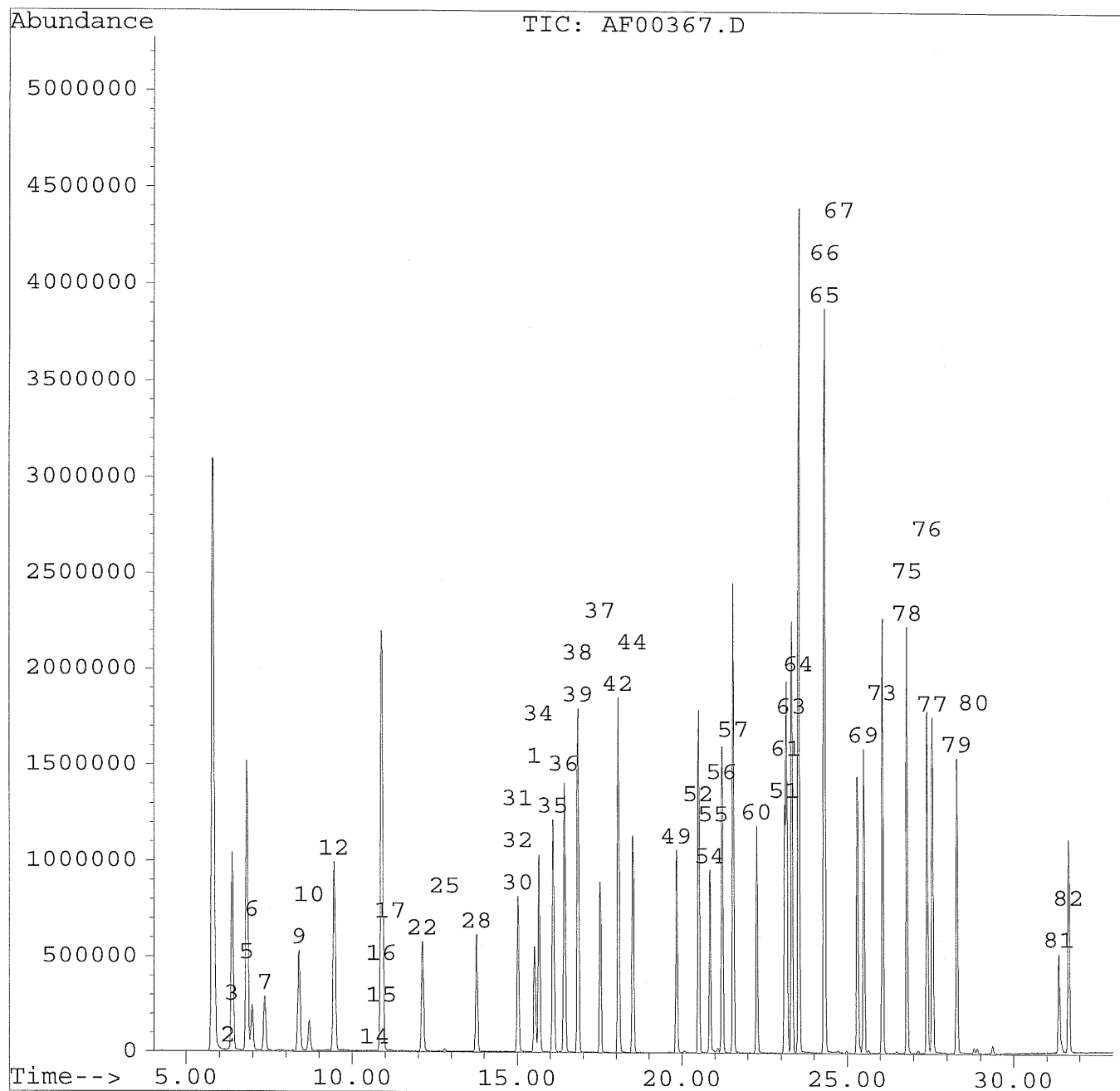
B = Compound was found in method blank. D = analysis of diluted sample.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00367.D
 Acq On : 22 Jun 05 2:39 pm
 Sample : LCSA32
 Misc :
 Quant Time: Jun 22 15:12 2005

Vial: 5
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 13:06:24 2005
 Response via : Single Level Calibration



8632

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00367.D
 Acq On : 22 Jun 05 2:39 pm
 Sample : LCSA32
 Misc :
 Quant Time: Jun 22 15:12 2005

Vial: 5
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 13:06:24 2005
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	15.53	130	409556	10.00	PPB	0.00
37) 1,4-Difluorobenzene	17.53	114	1316864	10.00	PPB	0.01
51) Chlorobenzene d5	23.12	117	1352040	10.00	PPB	0.00

System Monitoring Compounds

%Recovery

Target Compounds

Qvalue

Target Compounds	R.T.	QIon	Response	Conc	Units	#	Qvalue
2) Propene	6.27	41	2508	0.28	PPB	#	59
3) Dichlorodifluoromethane	6.39	85	2510218	63.79	PPB		97
5) Freon 114	6.83	85	2238412	52.72	PPB		80
6) Chloromethane	6.99	50	734914	65.65	PPB		99
7) Vinyl Chloride	7.37	62	801563	64.26	PPB		98
9) Bromomethane	8.39	94	906933	52.55	PPB		98
10) Chloroethane	8.70	64	350952	50.98	PPB		99
12) Trichlorofluoromethane	9.47	101	2013917	53.36	PPB		99
14) Acrolein	10.68	56	783	0.22	PPB	#	64
15) 1,1-Dichloroethene	10.89	61	1169831	54.26	PPB		84
16) Freon 113	10.90	103	1084030	57.81	PPB		94
17) Acetone	11.15	43	12064	0.67	PPB	#	64
22) Methylene Chloride	12.13	84	615532	55.38	PPB	#	75
25) trans-1,2-Dichloroethene	12.81	61	14373	0.76	PPB	#	69
28) 1,1-Dichloroethane	13.78	63	1165344	52.92	PPB		99
30) cis-1,2-Dichloroethene	15.03	61	897556	53.72	PPB	#	55
31) 2-Butanone	15.03	72	7148	1.37	PPB	#	1
32) Ethyl Acetate	15.03	70	10142	3.92	PPB	#	100
34) Chloroform	15.67	83	1487366	54.79	PPB		93
35) 1,1,1-Trichloroethane	16.09	97	1516134	57.93	PPB		90
36) Carbon Tetrachloride	16.44	117	1647269	55.47	PPB		100
38) 1,2-Dichloroethane	16.86	62	993604	52.36	PPB		96
39) Benzene	16.85	78	1812628	55.16	PPB		96
42) Trichloroethene	18.08	130	1160077	52.97	PPB	#	88
44) 1,2-Dichloropropane	18.52	63	739835	56.39	PPB		97
49) cis-1,3-Dichloropropene	19.84	75	1005756	40.08	PPB	#	82
52) Toluene	20.52	91	2352549	52.34	PPB		99
54) trans-1,3-Dichloropropene	20.86	75	884681	41.87	PPB	#	54
55) Ethyl Methacrylate	20.98	69	5367	0.23	PPB	#	55
56) 1,1,2-Trichloroethane	21.23	97	928686	47.95	PPB		90
57) Tetrachloroethene	21.56	166	1329671	44.21	PPB		98
60) 1,2-Dibromoethane	22.27	107	1496054	45.92	PPB		100
61) Chlorobenzene	23.18	112	2066124	50.83	PPB		85
63) Ethylbenzene	23.34	91	3122701	47.15	PPB		93
64) m/p-Xylene	23.54	91	4798838	98.06	PPB		90
65) o-Xylene	24.31	91	2476743	52.26	PPB	#	90
66) Styrene	24.33	104	1806873	48.36	PPB		81

(#) = qualifier out of range (m) = manual integration
 AF00367.D ALL198.M Wed Jun 22 15:12:26 2005

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JUN22\AF00367.D
 Acq On : 22 Jun 05 2:39 pm
 Sample : LCSA32
 Misc :
 Quant Time: Jun 22 15:12 2005

Vial: 5
 Operator: JBS
 Inst : HP4224
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\ALL198.M
 Title : TO14 SCAN METHOD
 Last Update : Wed Jun 22 13:06:24 2005
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
67) Bromoform	24.73	173	9193	0.22	PPB	# 84
69) 1,1,2,2-Tetrachloroethane	25.50	83	1566123	44.75	PPB	98
73) 1,3,5-Trimethylbenzene	26.07	105	2307330	41.01	PPB	89
75) 1,2,4-Trimethylbenzene	26.80	105	2338139	40.58	PPB	93
76) 1,3-Dichlorobenzene	27.41	146	1438207	37.00	PPB	95
77) 1,4-Dichlorobenzene	27.57	146	1421131	35.26	PPB	93
78) Benzyl Chloride	26.80	91	251321	41.26	PPB	# 100
79) 1,2-Dichlorobenzene	28.30	146	1247903	33.88	PPB	97
80) Hexachloroethane	28.82	117	11747	0.43	PPB	94
81) 1,2,4-Trichlorobenzene	31.37	180	364003	17.25	PPB	# 60
82) Hexachlorobutadiene	31.67	225	470284	22.25	PPB	97

8634