



THE LEADER IN ENVIRONMENTAL TESTING

October 4, 2007

Derek Tornow
Delta Environmental Consultants, Inc
4006 148th Avenue NE
Redmond, WA 98052
800.477.7411

Dear Mr. Tornow:

As per your request, we have reviewed the TPH-G chromatograms for the following samples:

TestAmerica Sample Identification	Well Identification	Date Sampled
BPJ0075-05	MW-6-3.75	9/29/06
BPL0442-05	MW-6-2.93	12/21/06
BPC0692-12	MW-6-2.88	3/23/07
BQG0003-05	MW-6-2.67	6/28/07

One or two individual peaks, which are not consistent with a gasoline pattern, were responsible for the detection of TPH-G in these samples. These peaks may be associated with chlorinated hydrocarbon compounds that were present in the samples, as shown in the results from the EPA 8260B analysis. I have enclosed copies of the chromatograms and mass spectra for further data validation review.

Thank you,

Heather L. Bean
Lab Director

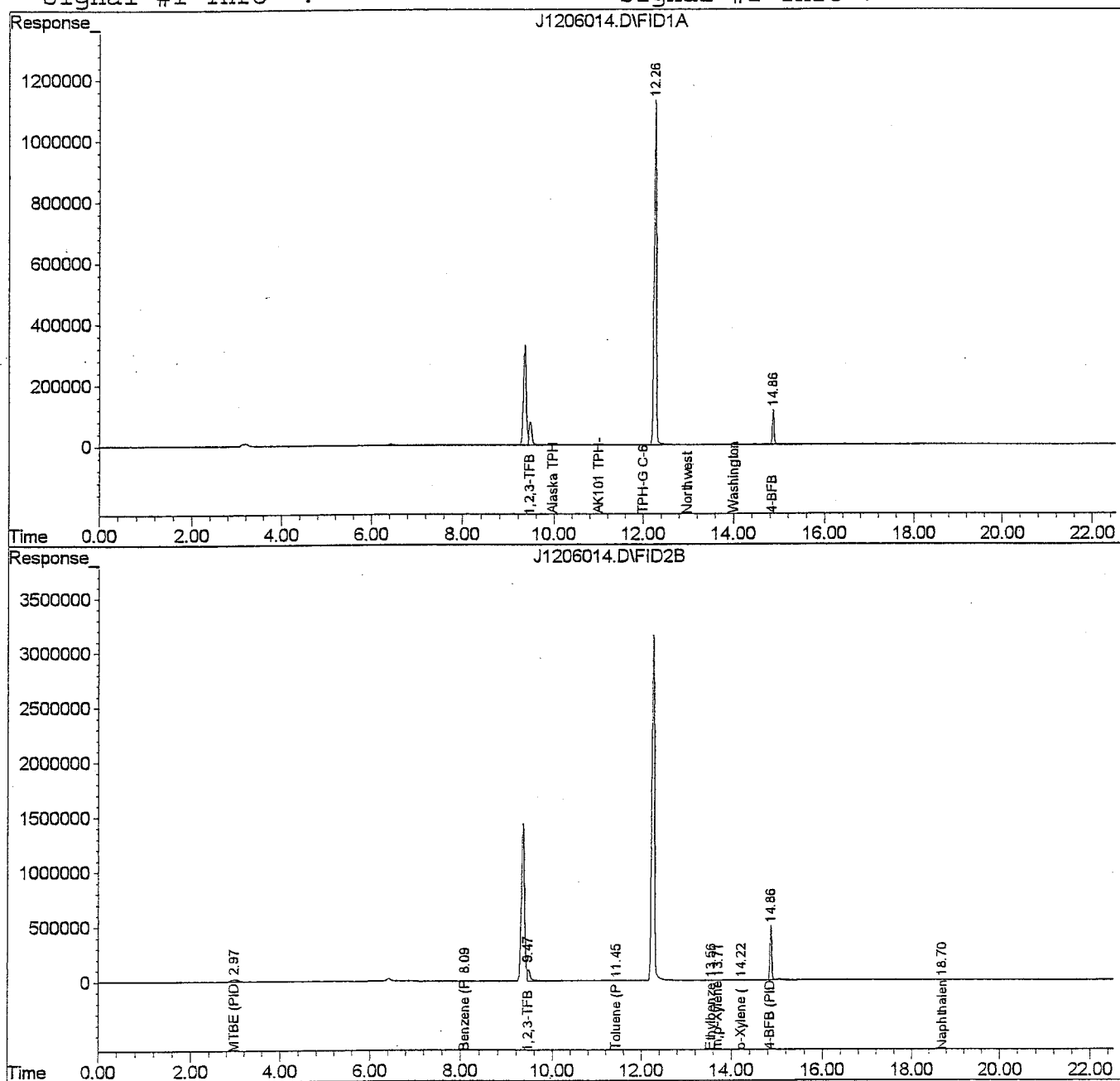
cc: sample chromatograms and mass spectra

Quantitation Report

Signal #1 : C:\HPCHEM\2\DATA\101206\J1206014.D\FID1A.CH Vial: 14
 Signal #2 : C:\HPCHEM\2\DATA\101206\J1206014.D\FID2B.CH
 Acq On : 12 Oct 2006 18:00 Operator: JLH
 Sample : bpj0075-05 Inst : GC #4
 Misc : 1x 5ml Multiplr: 1.00
 IntFile Signal #1: SURR.E IntFile Signal #2: SURR2.E
 Quant Time: Oct 12 18:22 2006 Quant Results File: TGJ0406.RES

Quant Method : C:\HPCHEM\2\METHODS\TGJ0406.M (Chemstation Integrator)
 Title : TPH-G/BTEX 8015/8021 Method
 Last Update : Fri Oct 06 17:02:13 2006
 Response via : Multiple Level Calibration
 DataAcq Meth : TGJ0406.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



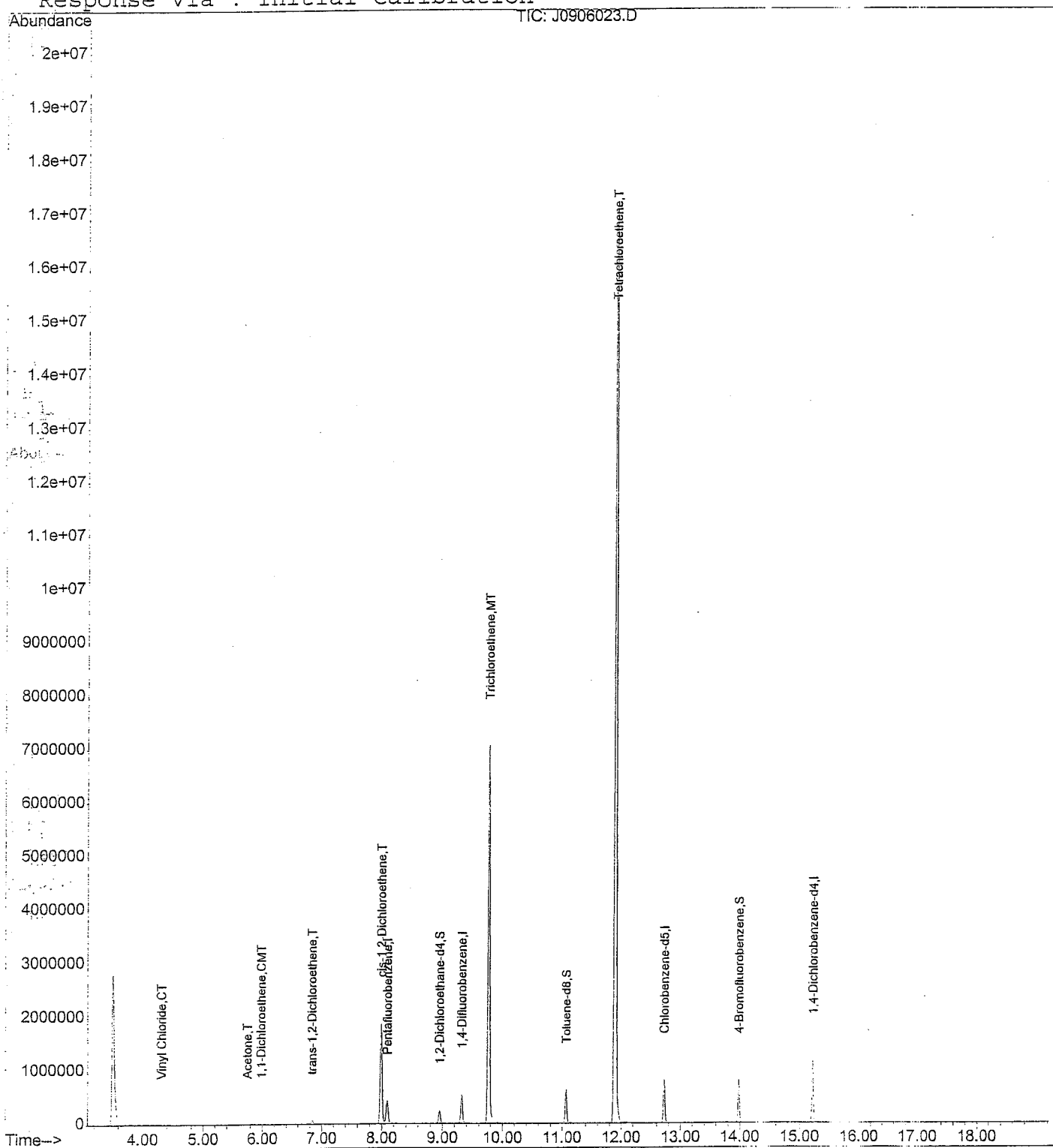
Quantitation Report

Data File : F:\HPCHEM\1\DATA\100906\J0906023.D
 Acq On : 9 Oct 2006 8:11 pm
 Sample : BPJ0075-05
 Misc : 1x / 10ml water G
 MS Integration Params: RTEINT.P
 Quant Time: Oct 10 17:23 2006

Vial: 22
 Operator: JZ
 Inst : MS-15
 Multiplr: 1.00

Quant Results File: VOI2006.RES

Method : F:\HPCHEM\1\METHODS\VOI2006.M (RTE Integrator)
 Title : 8260/624 Full Scan
 Last Update : Fri Sep 22 15:05:01 2006
 Response via : Initial Calibration



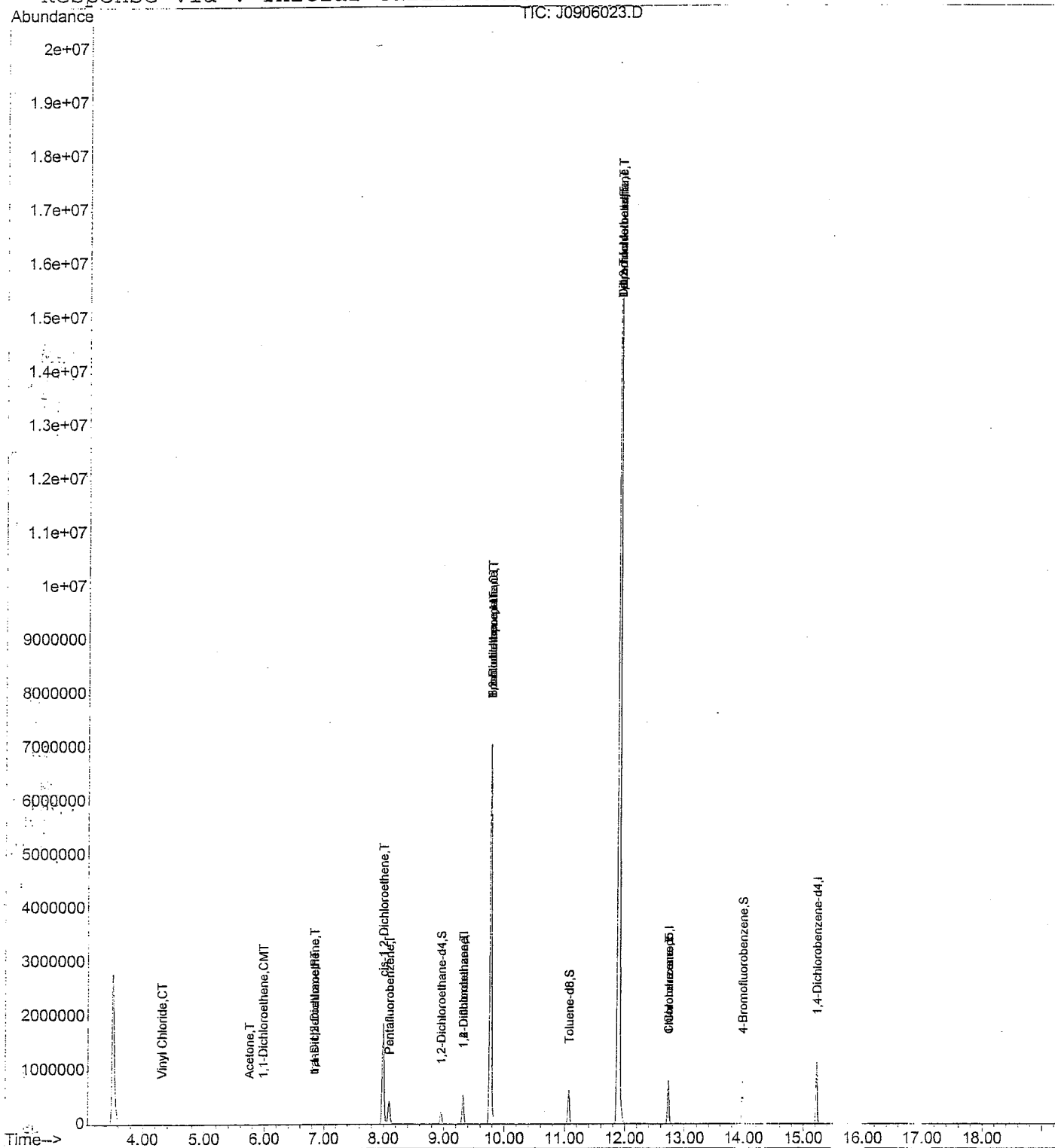
Quantitation Report

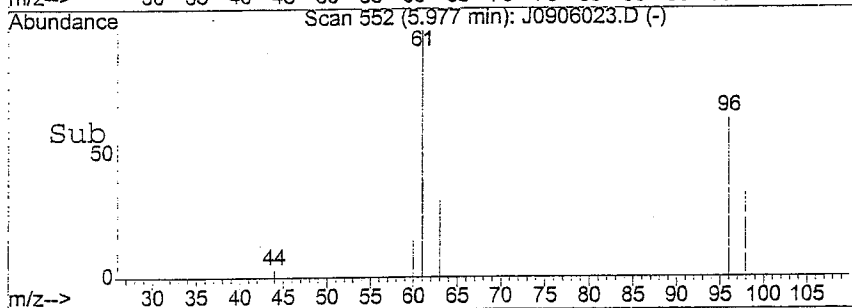
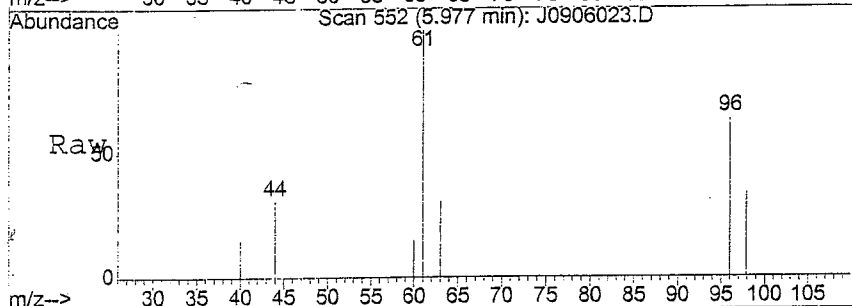
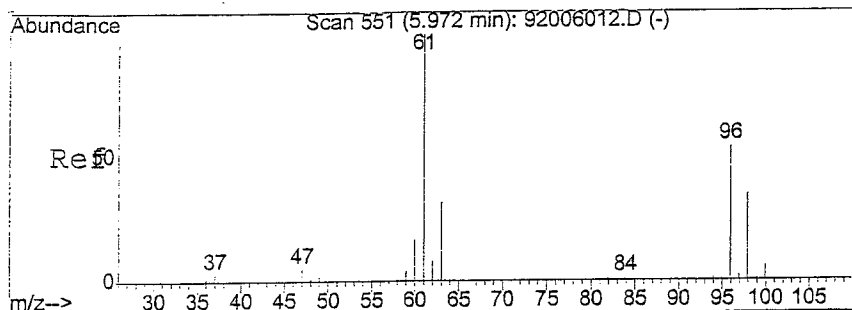
Data File : F:\HPCHEM\1\DATA\100906\J0906023.D
 Acq On : 9 Oct 2006 8:11 pm
 Sample : BPJ0075-05
 Misc : 1x / 10ml water G
 MS Integration Params: RTEINT.P
 Quant Time: Oct 9 20:30 2006

Vial: 22
 Operator: JZ
 Inst : MS-15
 Multiplr: 1.00

Quant Results File: VOI2006.RES

Method : F:\HPCHEM\1\METHODS\VOI2006.M (RTE Integrator)
 Title : 8260/624 Full Scan
 Last Update : Fri Sep 22 15:05:01 2006
 Response via : Initial Calibration

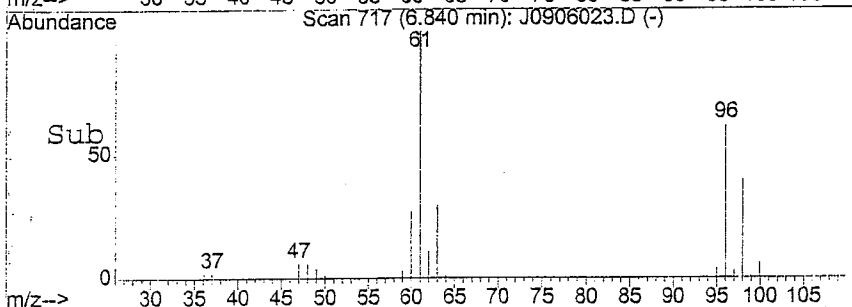
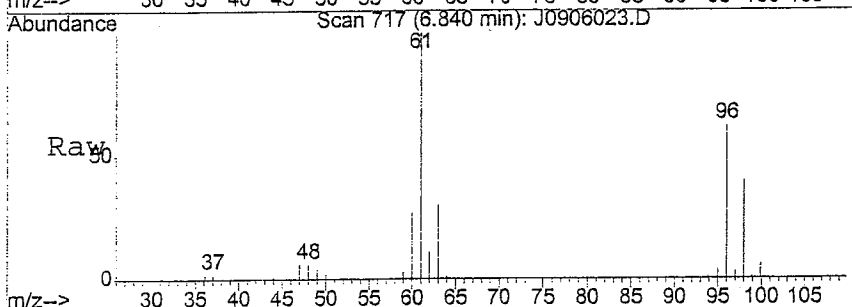
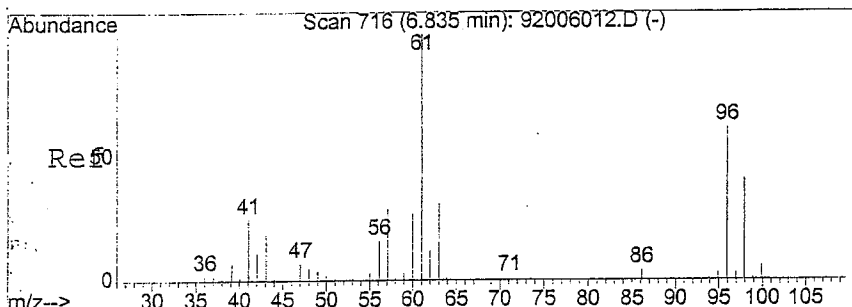
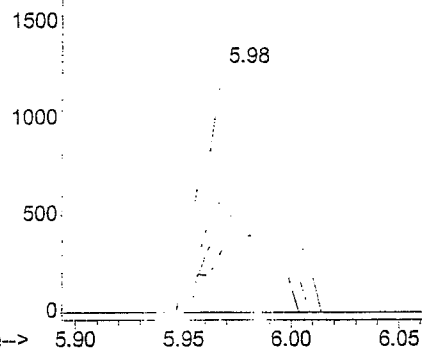




#9
1,1-Dichloroethene
Concen: 0.38 ng/mL
RT: 5.98 min Scan# 552
Delta R.T. 0.01 min
Lab File: J0906023.D
Acq: 9 Oct 2006 8:11 pm

Tgt Ion: 61 Resp: 3019
Ion Ratio Lower Upper
61 100
63 30.5 25.0 37.6
96 51.1 42.5 63.7
98 27.8 27.2 40.8

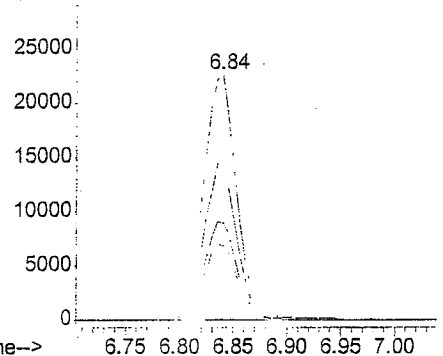
Abundance Ion 60.85 (60.55 to 61.55): J0906023.D
Ion 62.95 (62.65 to 63.65): J0906023.D
Ion 95.90 (95.60 to 96.60): J0906023.D
Ion 97.85 (97.55 to 98.55): J0906023.D

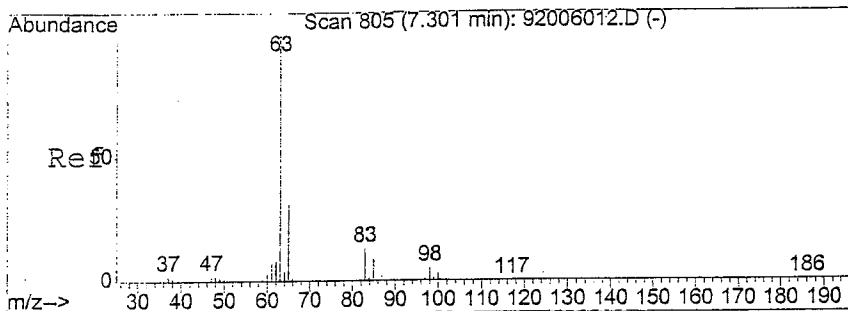


#13
trans-1,2-Dichloroethene
Concen: 6.27 ng/mL
RT: 6.84 min Scan# 717
Delta R.T. 0.01 min
Lab File: J0906023.D
Acq: 9 Oct 2006 8:11 pm

Tgt Ion: 61 Resp: 49055
Ion Ratio Lower Upper
61 100
63 31.2 22.2 41.2
96 62.2 43.5 80.7
98 39.8 28.1 52.1

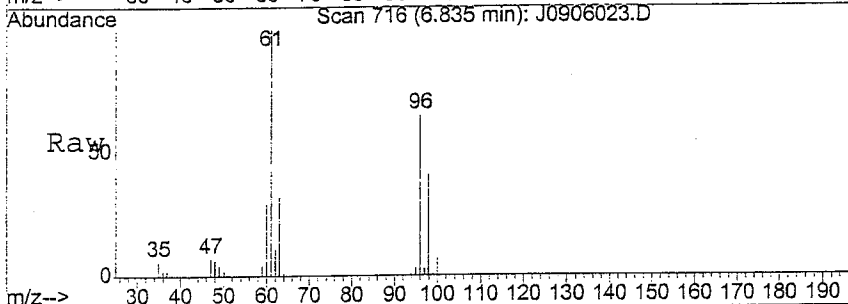
Abundance Ion 60.85 (60.55 to 61.55): J0906023.D
Ion 62.95 (62.65 to 63.65): J0906023.D
Ion 95.90 (95.60 to 96.60): J0906023.D
Ion 97.85 (97.55 to 98.55): J0906023.D



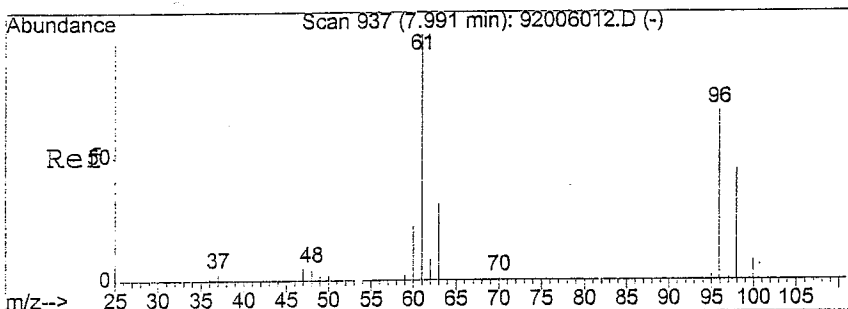
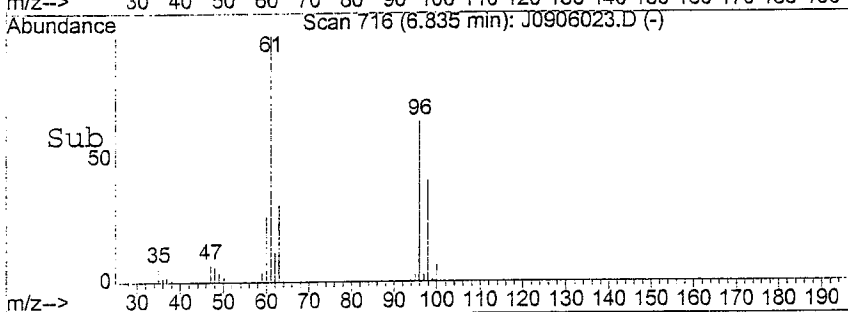
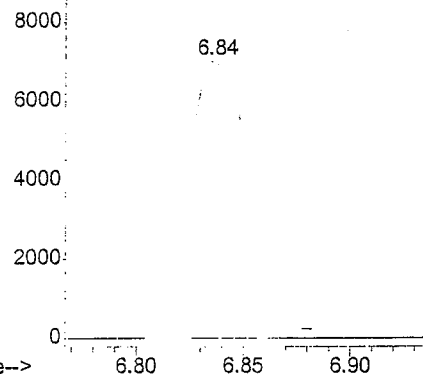


#15
 1,1-Dichloroethane
 Concen: 1.60 ng/mL
 RT: 6.84 min Scan# 716
 Delta R.T. -0.47 min
 Lab File: J0906023.D
 Acq: 9 Oct 2006 8:11 pm

Tgt Ion: 63 Resp: 14924
 Ion Ratio Lower Upper
 63 100
 65 0.0 21.9 40.7#
 83 0.0 9.0 16.8#



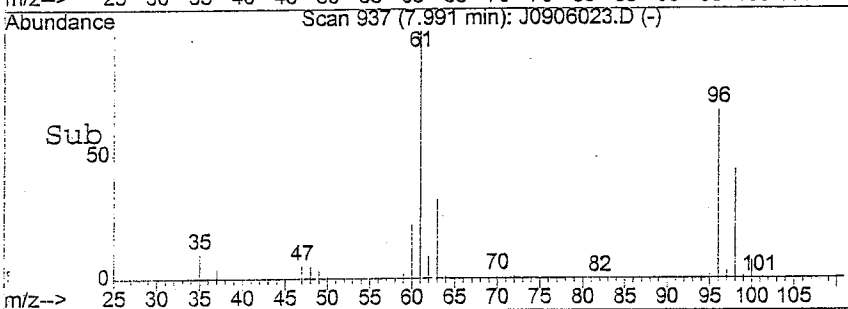
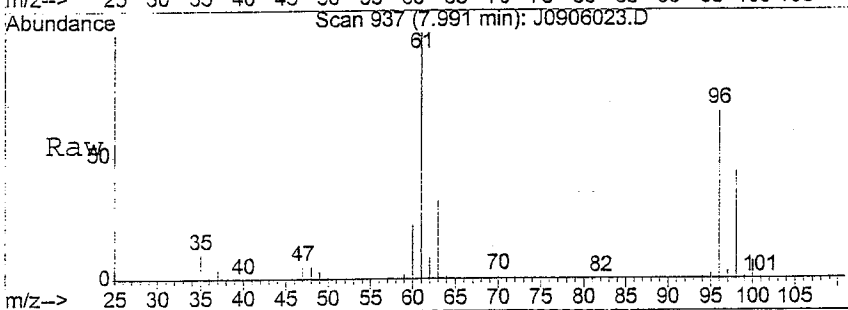
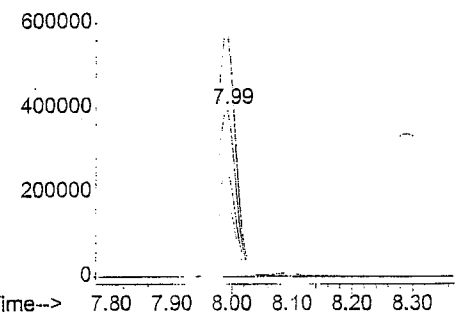
Abundance Ion 62.95 (62.65 to 63.65): J0906023.D
 Ion 64.90 (64.60 to 65.60): J0906023.D
 Ion 82.80 (82.50 to 83.50): J0906023.D

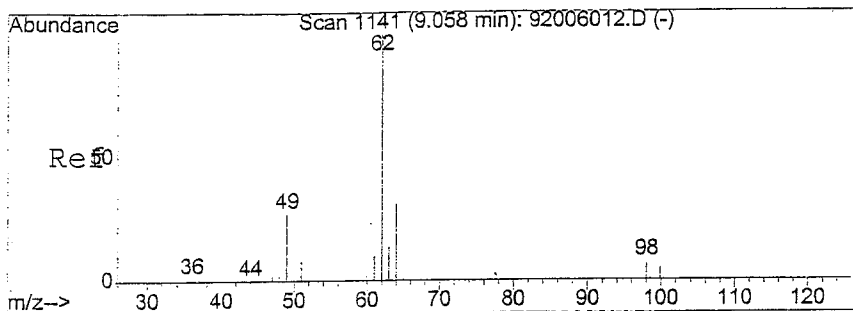


#18
 cis-1,2-Dichloroethene
 Concen: 174.24 ng/mL
 RT: 7.99 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: J0906023.D
 Acq: 9 Oct 2006 8:11 pm

Tgt Ion: 96 Resp: 906057
 Ion Ratio Lower Upper
 96 100
 98 62.6 45.3 84.1
 61 144.0 116.2 215.8
 63 47.0 37.8 56.8

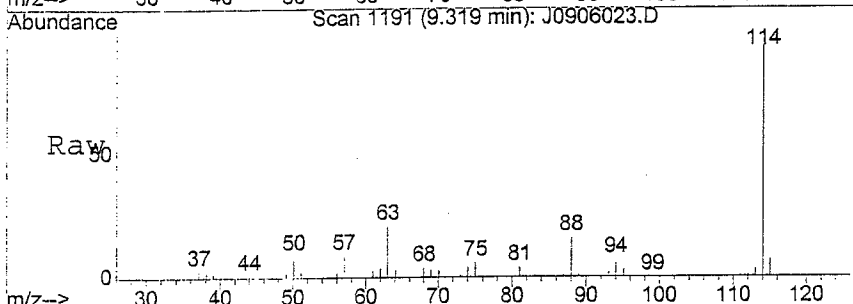
Abundance Ion 96.00 (95.70 to 96.70): J0906023.D
 Ion 98.00 (97.70 to 98.70): J0906023.D
 Ion 61.00 (60.70 to 61.70): J0906023.D
 800000 Ion 63.00 (62.70 to 63.70): J0906023.D



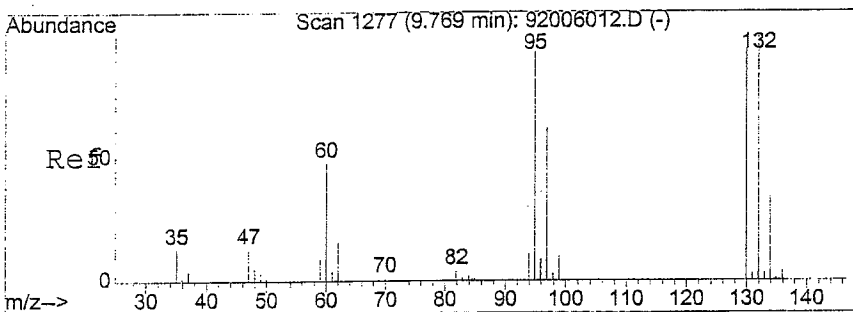
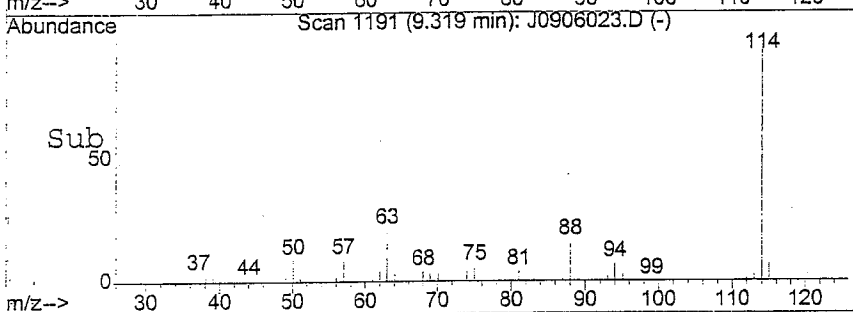
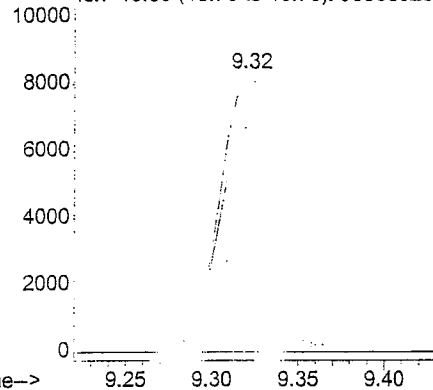


#26
1,2-Dichloroethane
Concen: 2.63 ng/mL
RT: 9.32 min Scan# 1191
Delta R.T. 0.26 min
Lab File: J0906023.D
Acq: 9 Oct 2006 8:11 pm

Tgt Ion: 62 Resp: 17799
Ion Ratio Lower Upper
62 100
64 79.9 22.0 41.0#
49 43.4 19.2 35.6#



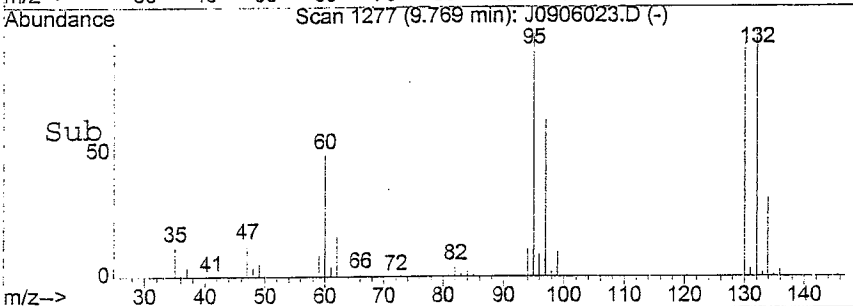
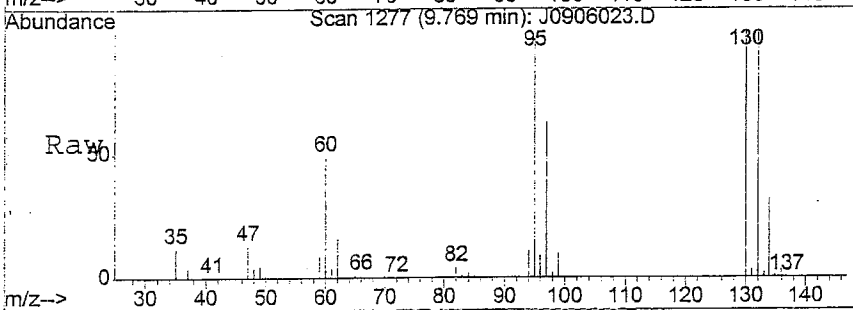
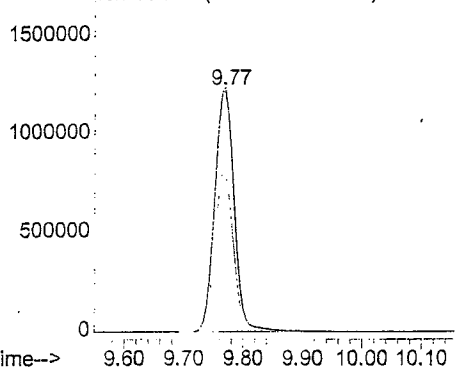
Abundance Ion 61.85 (61.55 to 62.55): J0906023.D
Ion 63.95 (63.65 to 64.65): J0906023.D
Ion 49.00 (48.70 to 49.70): J0906023.D

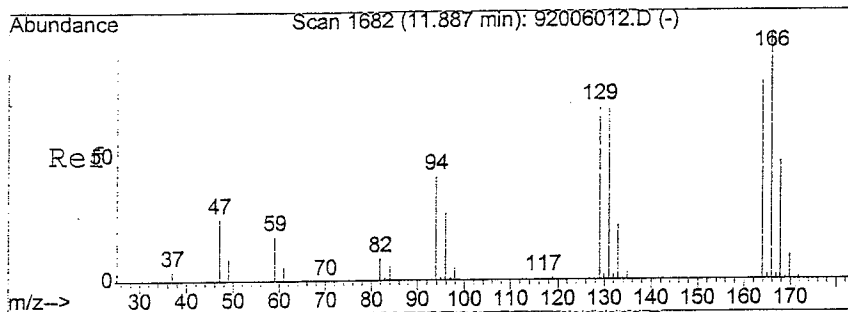


#28
Trichloroethene
Concen: 570.21 ng/mL
RT: 9.77 min Scan# 1277
Delta R.T. 0.00 min
Lab File: J0906023.D
Acq: 9 Oct 2006 8:11 pm

Tgt Ion: 95 Resp: 2766602
Ion Ratio Lower Upper
95 100
97 64.8 51.8 77.6
130 101.3 84.0 126.0
132 101.6 84.0 126.0

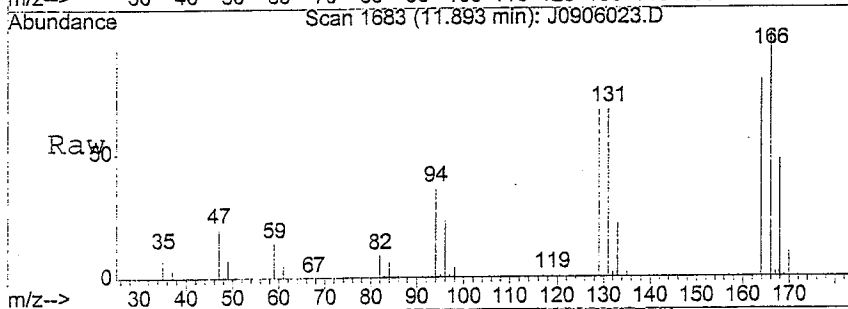
Abundance Ion 95.00 (94.70 to 95.70): J0906023.D
Ion 97.00 (96.70 to 97.70): J0906023.D
Ion 130.00 (129.70 to 130.70): J090602
Ion 132.00 (131.70 to 132.70): J090602





#41
Tetrachloroethene
Concen: 1558.05 ng/mL
RT: 11.89 min Scan# 1683
Delta R.T. 0.01 min
Lab File: J0906023.D
Acq: 9 Oct 2006 8:11 pm

Tgt	Ion:166	Resp:	7609252
Ion	Ratio	Lower	Upper
166	100		
164	79.6	54.2	100.6
168	48.1	33.4	62.0
129	69.3	48.2	89.4



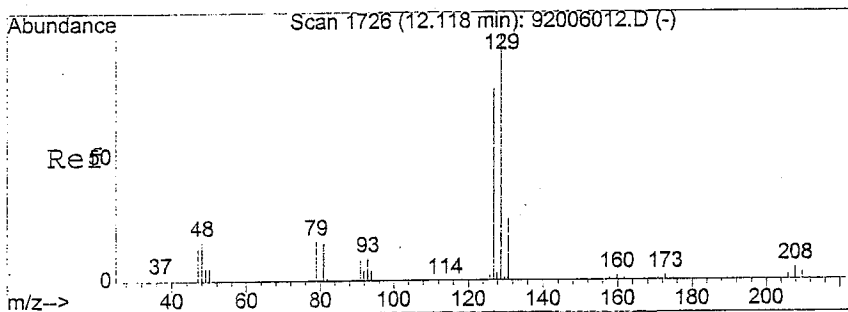
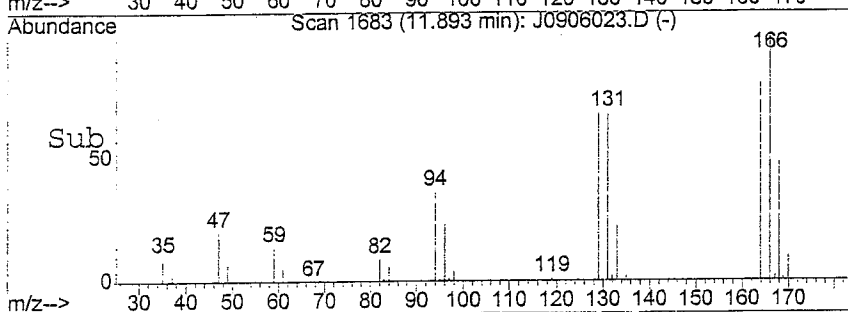
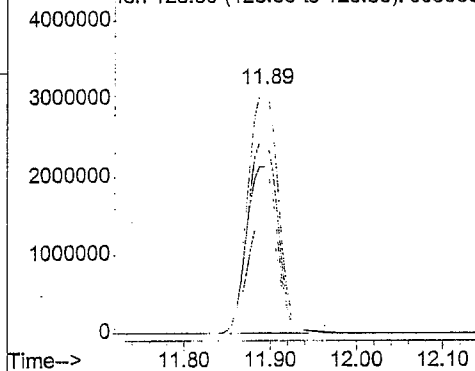
Abundance

Ion 165.80 (165.50 to 166.50): J090602

Ion 163.85 (163.55 to 164.55): J090602

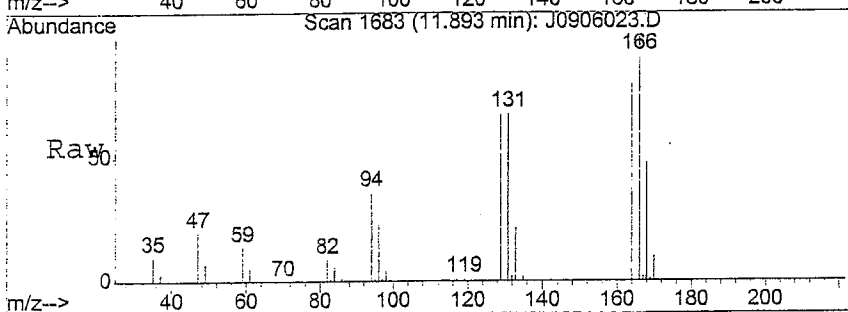
Ion 167.80 (167.50 to 168.50): J090602

Ion 128.80 (128.50 to 129.50): J090602



#42
Dibromochloromethane
Concen: 1150.75 ng/mL
RT: 11.89 min Scan# 1683
Delta R.T. -0.22 min
Lab File: J0906023.D
Acq: 9 Oct 2006 8:11 pm

Tgt	Ion:129	Resp:	5271751
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.0	100.4#
81	0.0	10.3	19.1#

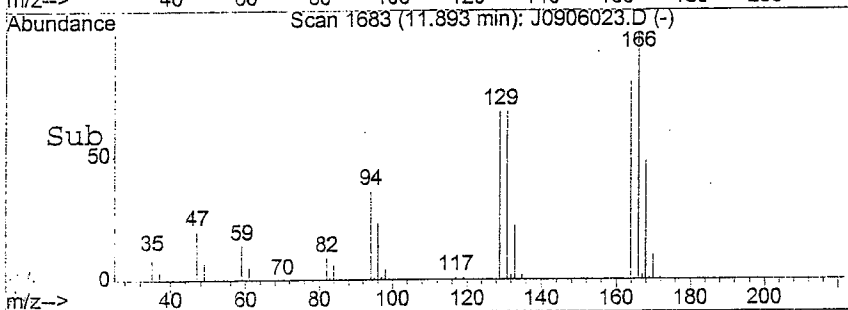
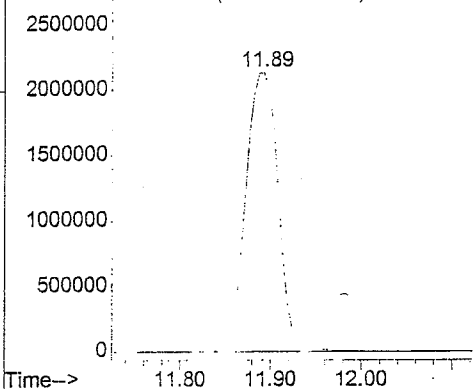


Abundance

Ion 128.80 (128.50 to 129.50): J090602

Ion 126.85 (126.55 to 127.55): J090602

Ion 80.85 (80.55 to 81.55): J0906023.D



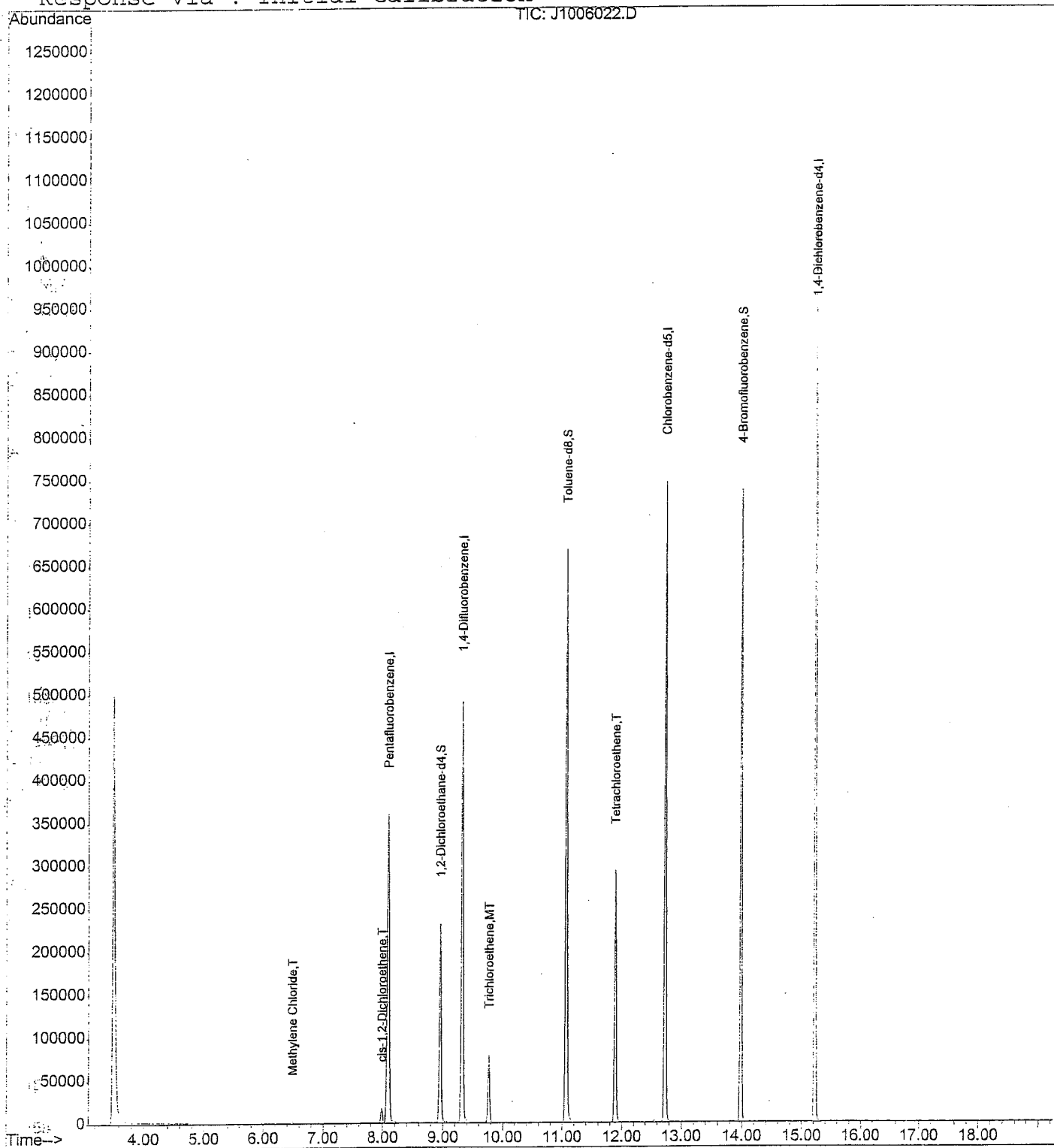
Quantitation Report

Data File : F:\HPCHEM\1\DATA\101006\J1006022.D
 Acq On : 10 Oct 2006 8:15 pm
 Sample : BPJ0075-05RE1
 Misc : 100x / 0.1ml water H
 MS Integration Params: RTEINT.P
 Quant Time: Oct 11 11:40 2006

Vial: 21
 Operator: JZ
 Inst : MS-15
 Multiplr: 1.00

Quant Results File: VOI2006.RES

Method : F:\HPCHEM\1\METHODS\VOI2006.M (RTE Integrator)
 Title : 8260/624 Full Scan
 Last Update : Fri Sep 22 15:05:01 2006
 Response via : Initial Calibration



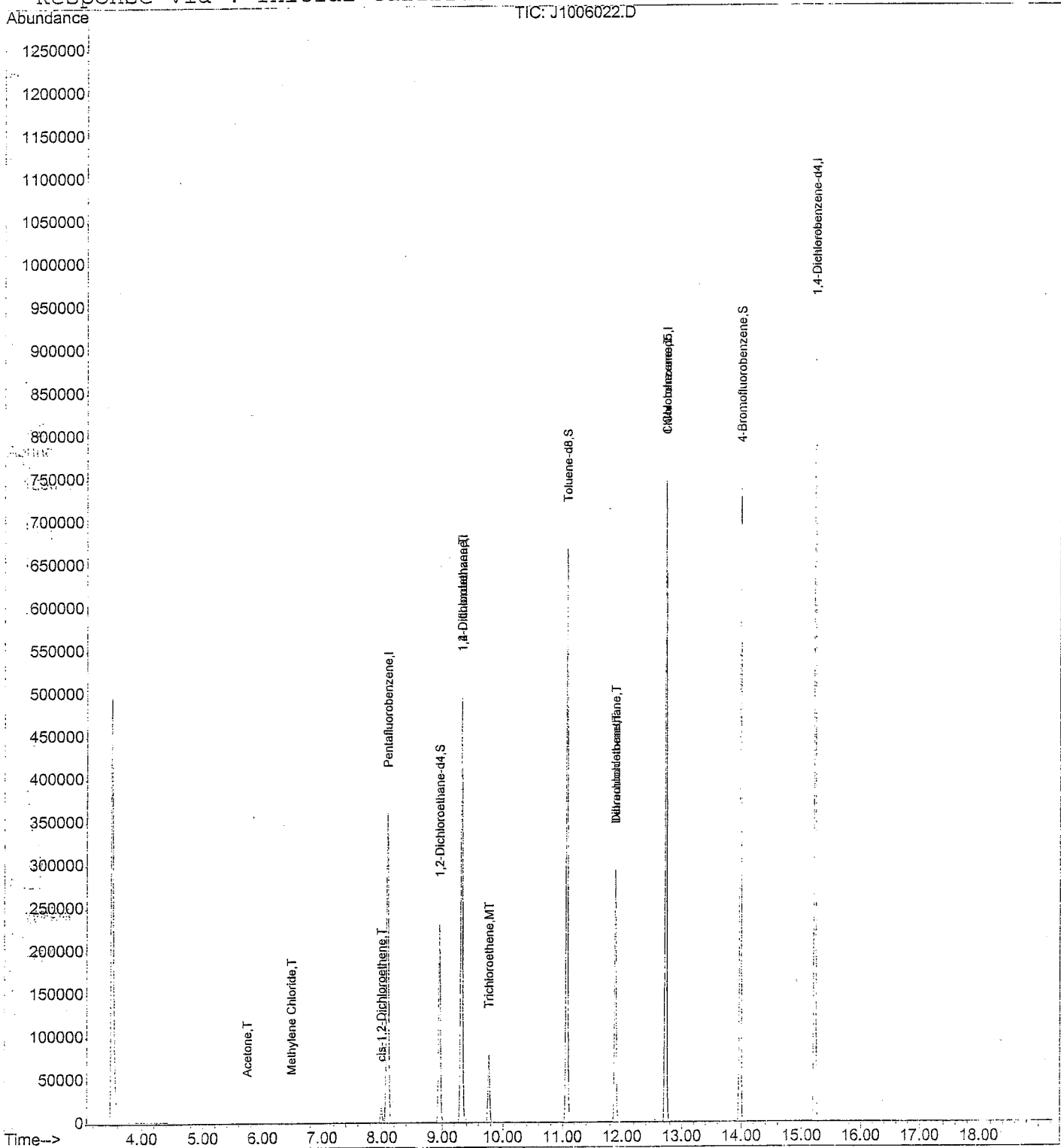
Quantitation Report

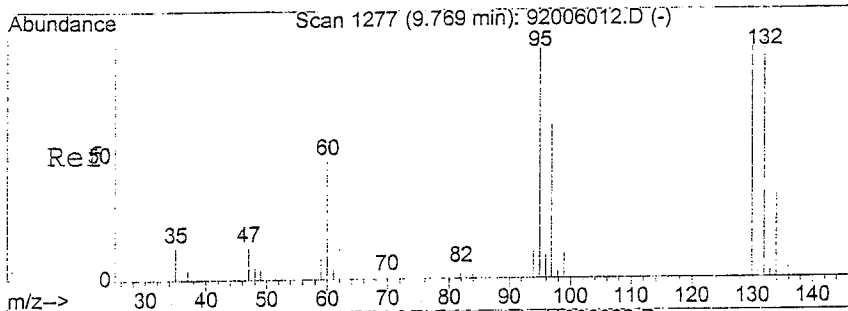
Data File : F:\HPCHEM\1\DATA\101006\J1006022.D
 Acq On : 10 Oct 2006 8:15 pm
 Sample : BPJ0075-05RE1
 Misc : 100x / 0.1ml water H
 MS Integration Params: RTEINT.P
 Quant Time: Oct 10 20:35 2006

Vial: 21
 Operator: JZ
 Inst : MS-15
 Multiplr: 1.00

Quant Results File: VOI2006.RES

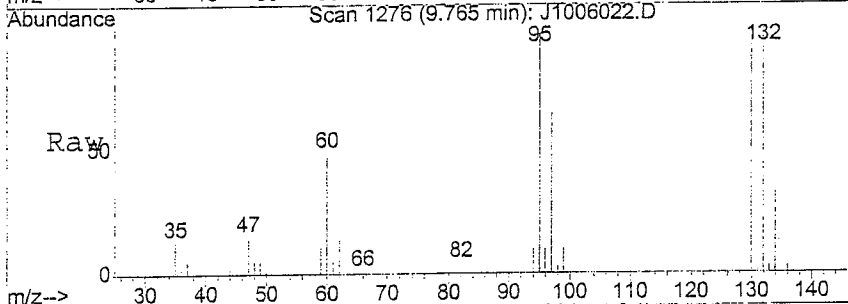
Method : F:\HPCHEM\1\METHODS\VOI2006.M (RTE Integrator)
 Title : 8260/624 Full Scan
 Last Update : Fri Sep 22 15:05:01 2006
 Response via : Initial Calibration





#28
 Trichloroethene
 Concen: 6.42 ng/mL
 RT: 9.77 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: J1006022.D
 Acq: 10 Oct 2006 8:15 pm

Tgt Ion:	95	Resp:	28138
Ion	Ratio	Lower	Upper
95	100		
97	63.8	51.8	77.6
130	101.3	84.0	126.0
132	101.8	84.0	126.0



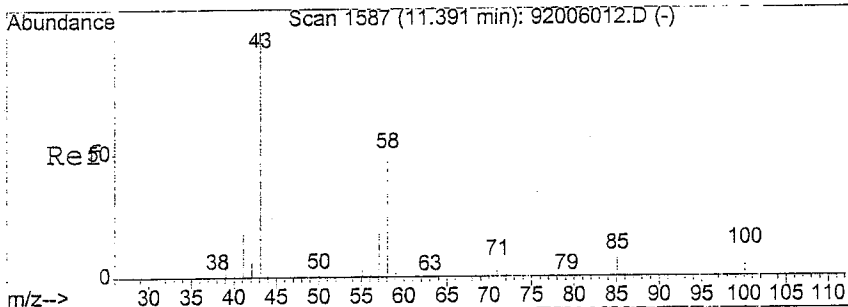
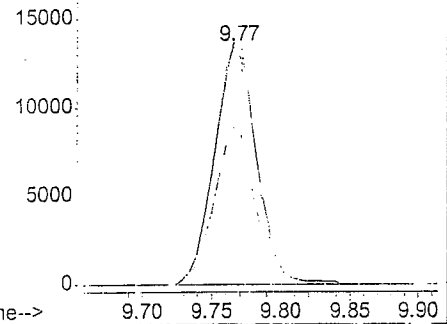
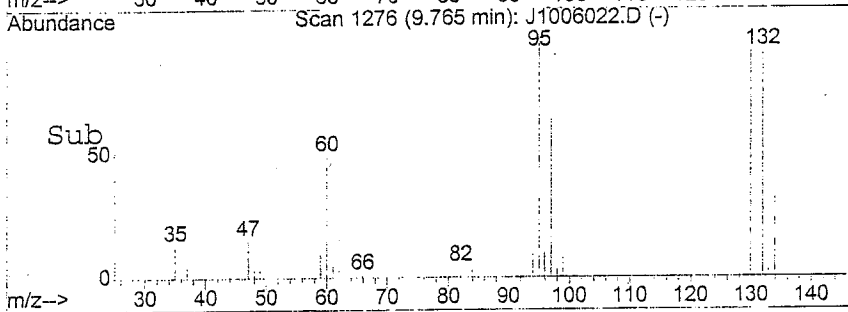
Abundance

Ion 95.00 (94.70 to 95.70): J1006022.D

Ion 97.00 (96.70 to 97.70): J1006022.D

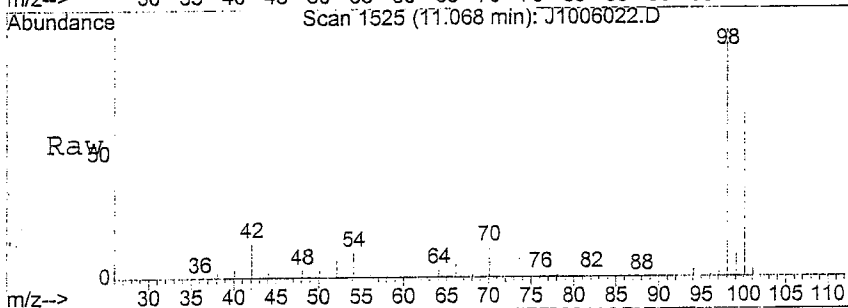
20000 Ion 130.00 (129.70 to 130.70): J100602

Ion 132.00 (131.70 to 132.70): J100602



#38
 2-Hexanone
 Concen: Below Cal
 RT: 11.07 min Scan# 1525
 Delta R.T. -0.32 min
 Lab File: J1006022.D
 Acq: 10 Oct 2006 8:15 pm

Tgt Ion:	43	Resp:	2696
Ion	Ratio	Lower	Upper
43	100		
58	163.1	35.0	65.0#
100	12364.2	6.6	12.4#

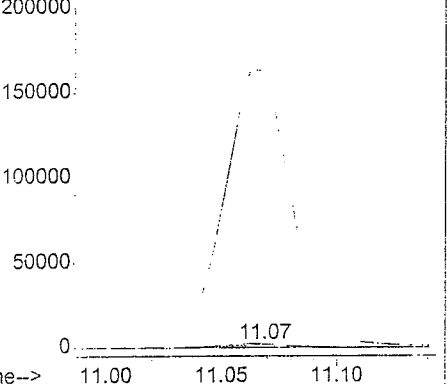
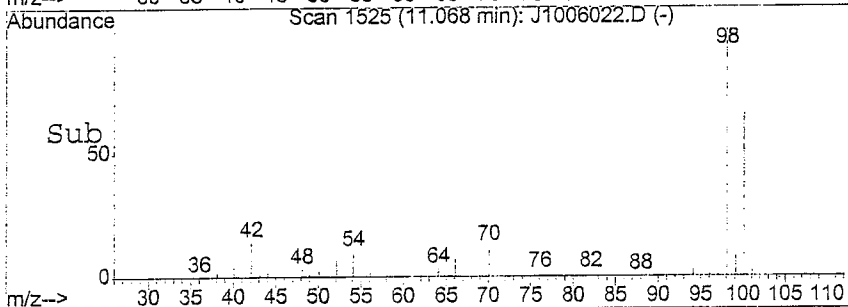


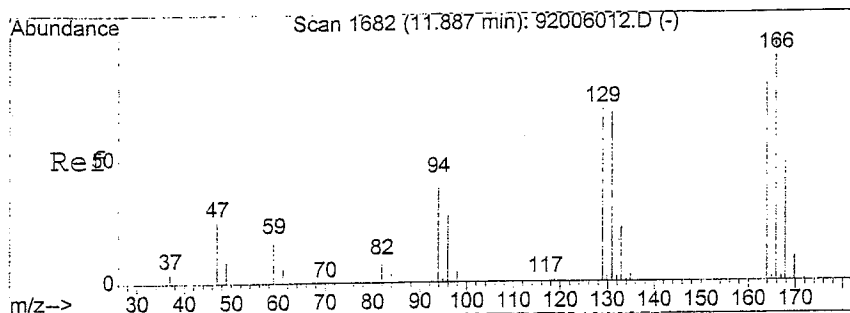
Abundance

Ion 42.95 (42.65 to 43.65): J1006022.D

Ion 58.00 (57.70 to 58.70): J1006022.D

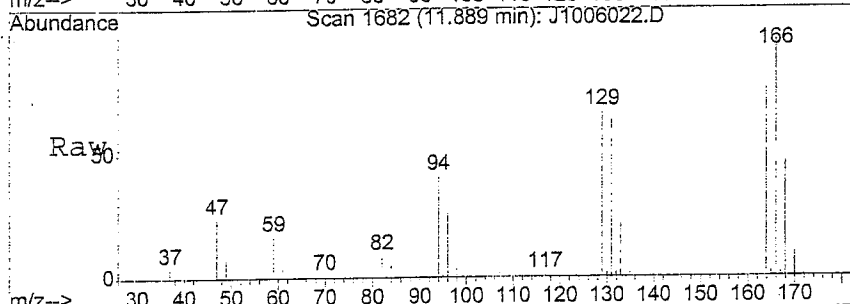
Ion 100.00 (99.70 to 100.70): J1006022





#41
Tetrachloroethene
Concen: 22.54 ng/mL
RT: 11.89 min Scan# 1682
Delta R.T. 0.00 min
Lab File: J1006022.D
Acq: 10 Oct 2006 8:15 pm

Tgt Ion:	166	Resp:	101680
Ion Ratio	Lower	Upper	
166	100		
164	77.9	54.2	100.6
168	47.6	33.4	62.0
129	68.9	48.2	89.4



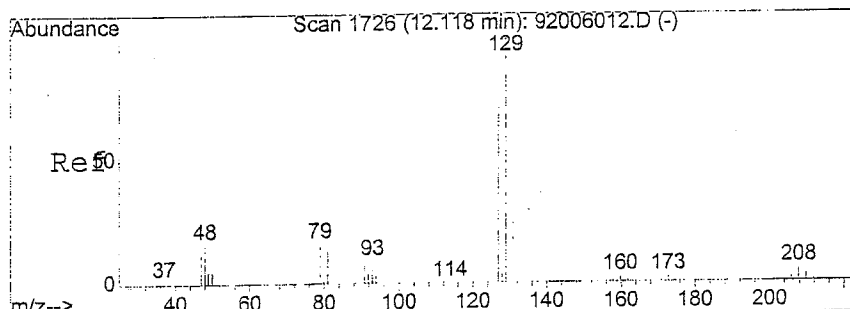
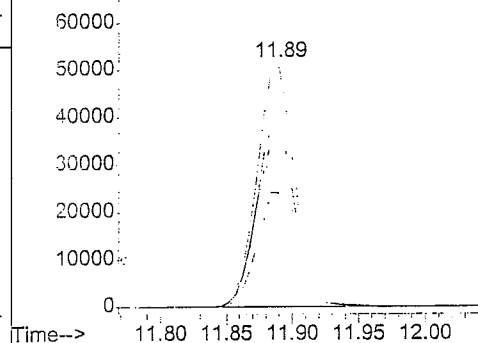
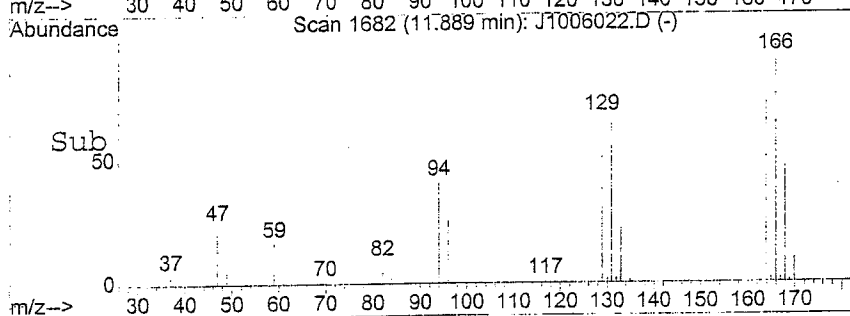
Abundance

Ion 165.80 (165.50 to 166.50): J100602

80000 Ion 163.85 (163.55 to 164.55): J100602

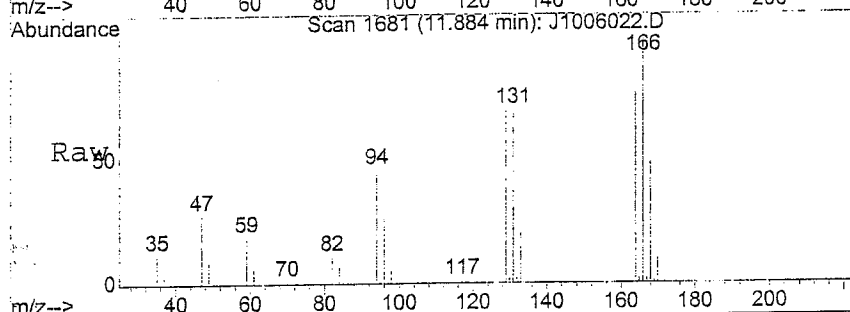
70000 Ion 167.80 (167.50 to 168.50): J100602

Ion 128.80 (128.50 to 129.50): J100602



#42
Dibromochloromethane
Concen: 16.56 ng/mL
RT: 11.88 min Scan# 1681
Delta R.T. -0.23 min
Lab File: J1006022.D
Acq: 10 Oct 2006 8:15 pm

Tgt Ion:	129	Resp:	70068
Ion Ratio	Lower	Upper	
129	100		
127	0.0	54.0	100.4#
81	0.0	10.3	19.1#

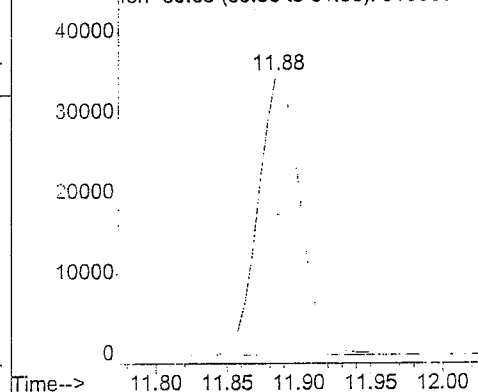
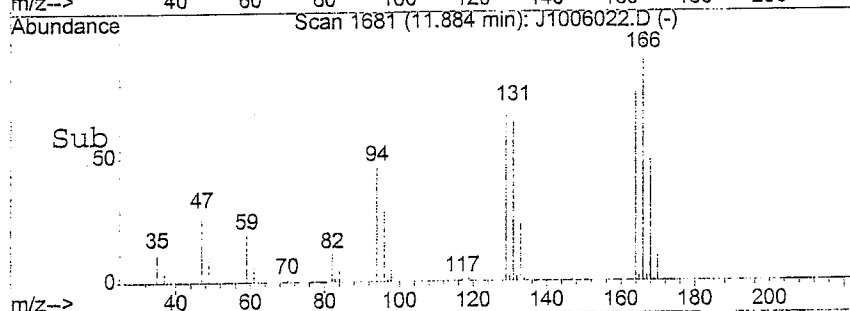


Abundance

Ion 128.80 (128.50 to 129.50): J100602

Ion 126.85 (126.55 to 127.55): J100602

Ion 80.85 (80.55 to 81.55): J1006022.D

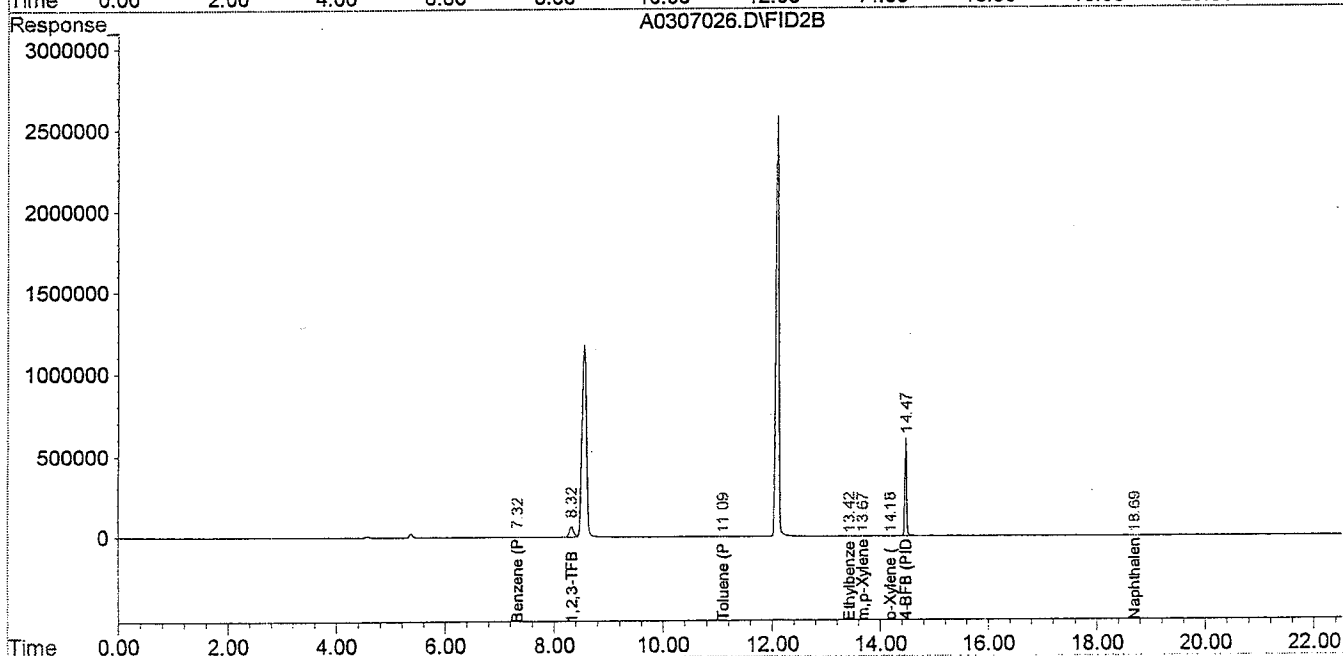
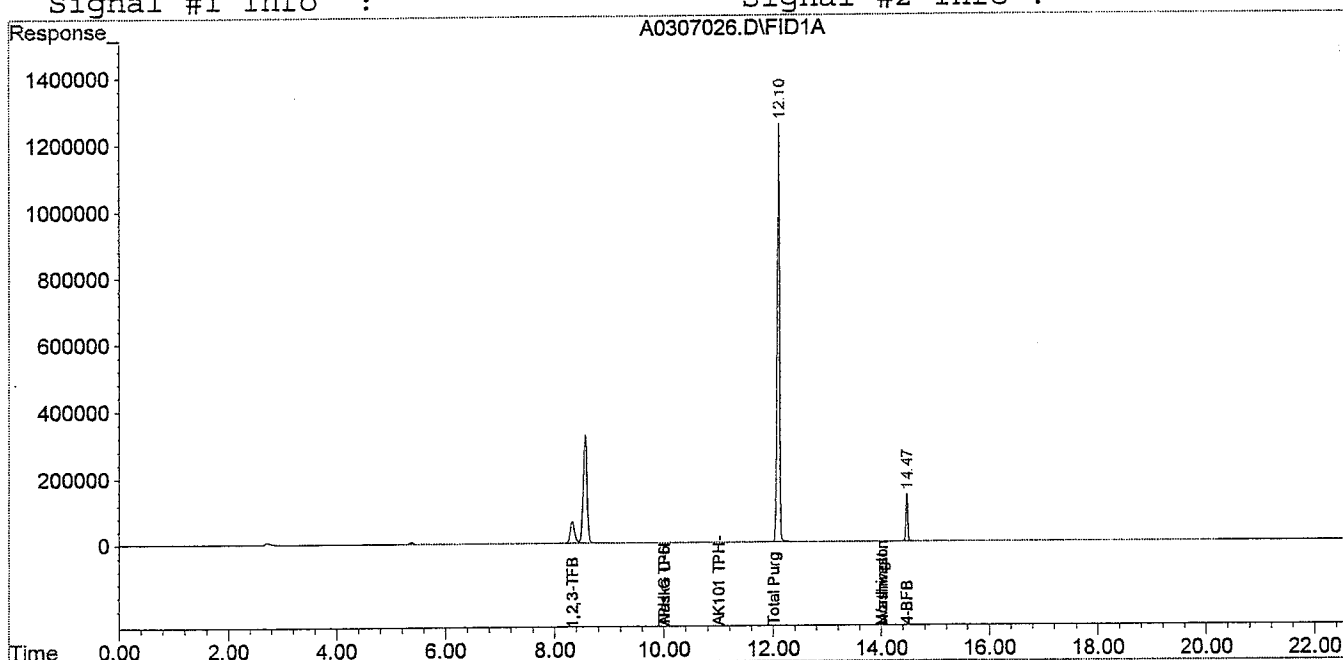


Quantitation Report

Signal #1 : C:\HPCHEM\2\DATA\010307\A0307026.D\FID1A.CH Vial: 25
 Signal #2 : C:\HPCHEM\2\DATA\010307\A0307026.D\FID2B.CH
 Acq On : 3 Jan 2007 23:27 Operator: JLO
 Sample : bpl0442-05 Inst : GC-8
 Misc : 1x 5ml Multiplr: 1.00
 IntFile Signal #1: TPH.E IntFile Signal #2: TPH2.E
 Quant Time: Jan 3 23:50 2007 Quant Results File: TGJ206A.RES

Quant Method : C:\HPCHEM\2\METHODS\TGJ206A.M (Chemstation Integrator)
 Title : TPH-G/BTEX 8015/8021 Method
 Last Update : Mon Nov 13 10:48:22 2006
 Response via : Multiple Level Calibration
 DataAcq Meth : TGJ206A.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



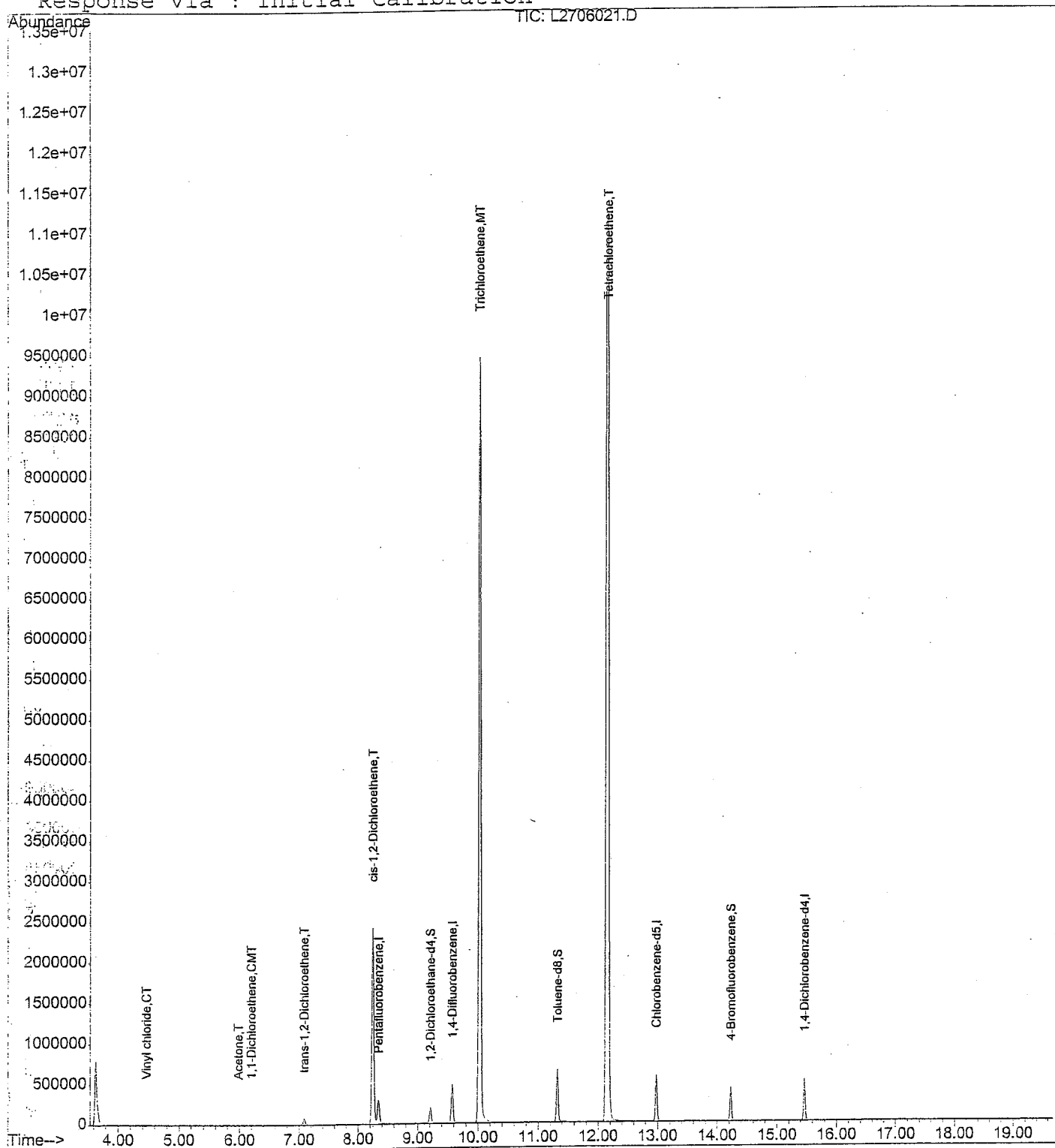
Quantitation Report

Data File : D:\HPCHEM\1\DATA\122706\L2706021.D
 Acq On : 27 Dec 2006 10:06 pm
 Sample : BPL0442-05
 Misc : 1x 10ml water H
 MS Integration Params: RTEINT.P
 Quant Time: Dec 28 13:48 2006

Vial: 7
 Operator: JZ
 Inst : MS-5
 Multiplr: 1.00

Quant Results File: VOL2606.RES

Method : D:\HPCHEM\1\METHODS\VOL2606.M (RTE Integrator)
 Title : EPA Method 8260B/624 VOAs Full Scan
 Last Update : Wed Dec 27 16:38:32 2006
 Response via : Initial Calibration



Data File : D:\HPCHEM\1\DATA\122706\L2706021.D

Vial: 7

Acq On : 27 Dec 2006 10:06 pm

Operator: JZ

Sample : BPL0442-05

Inst : MS-5

Misc : 1x 10ml water H

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Dec 27 22:14 2006

Quant Results File: VOL2606.RES

Quant Method : D:\HPCHEM\1\METHODS\VOL2606.M (RTE Integrator)

Title : EPA Method 8260B/624 VOAs Full Scan

Last Update : Wed Dec 27 16:38:32 2006

Response via : Initial Calibration

DataAcq Meth : VOL2606

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev (Min)
1) Pentafluorobenzene	8.34	570	270770	20.00	ng/ml	-0.06
23) 1,4-Difluorobenzene	9.57	716	489587	20.00	ng/ml	-0.06
34) Chlorobenzene-d5	12.97	1119	407971	20.00	ng/ml	-0.05
53) 1,4-Dichlorobenzene-d4	15.46	1414	163487	20.00	ng/ml	-0.05

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	9.21	673	144161	19.21	ng/ml	-0.06
Spiked Amount	20.000	Range	70 - 130	Recovery	=	96.05%
35) Toluene-d8	11.32	923	531932	20.24	ng/ml	-0.05
Spiked Amount	20.000	Range	70 - 130	Recovery	=	101.20%
55) 4-Bromofluorobenzene	14.22	1267	144107	20.07	ng/ml	-0.05
Spiked Amount	20.000	Range	70 - 130	Recovery	=	100.35%

Target Compounds

					Qvalue
4) Vinyl chloride	4.46	110	7772	1.14	ng/ml# 91
8) Acetone	5.97	289	2745	1.33	ng/ml 96
9) 1,1-Dichloroethene	6.20	316	6100	0.41	ng/ml 98
13) trans-1,2-Dichloroethene	7.08	421	61215	4.08	ng/ml 100
18) cis-1,2-Dichloroethene	8.25	559	1380301	121.02	ng/ml 91
26) 1,2-Dichloroethane	9.57	716	14255	1.27	ng/ml# 37
28) Trichloroethene	10.02	769	4352945	441.73	ng/ml 93
29) 1,2-Dichloropropane	10.02	769	13382	1.12	ng/ml# 43
32) 4-Methyl-2-pentanone	10.76	856	2030	0.24	ng/ml# 48
38) 2-Hexanone	11.31	922	2914	0.52	ng/ml# 1
39) 1,1,2-Trichloroethane	12.14	1020	39072	5.08	ng/ml# 1
41) Tetrachloroethene	12.16	1023	6310797	729.48	ng/ml 96
44) 1-Chlorohexane	12.97	1119	3965	0.44	ng/ml# 77
73) Naphthalene	18.33	1754	280	Below Cal	# 73

JB 12/28/06

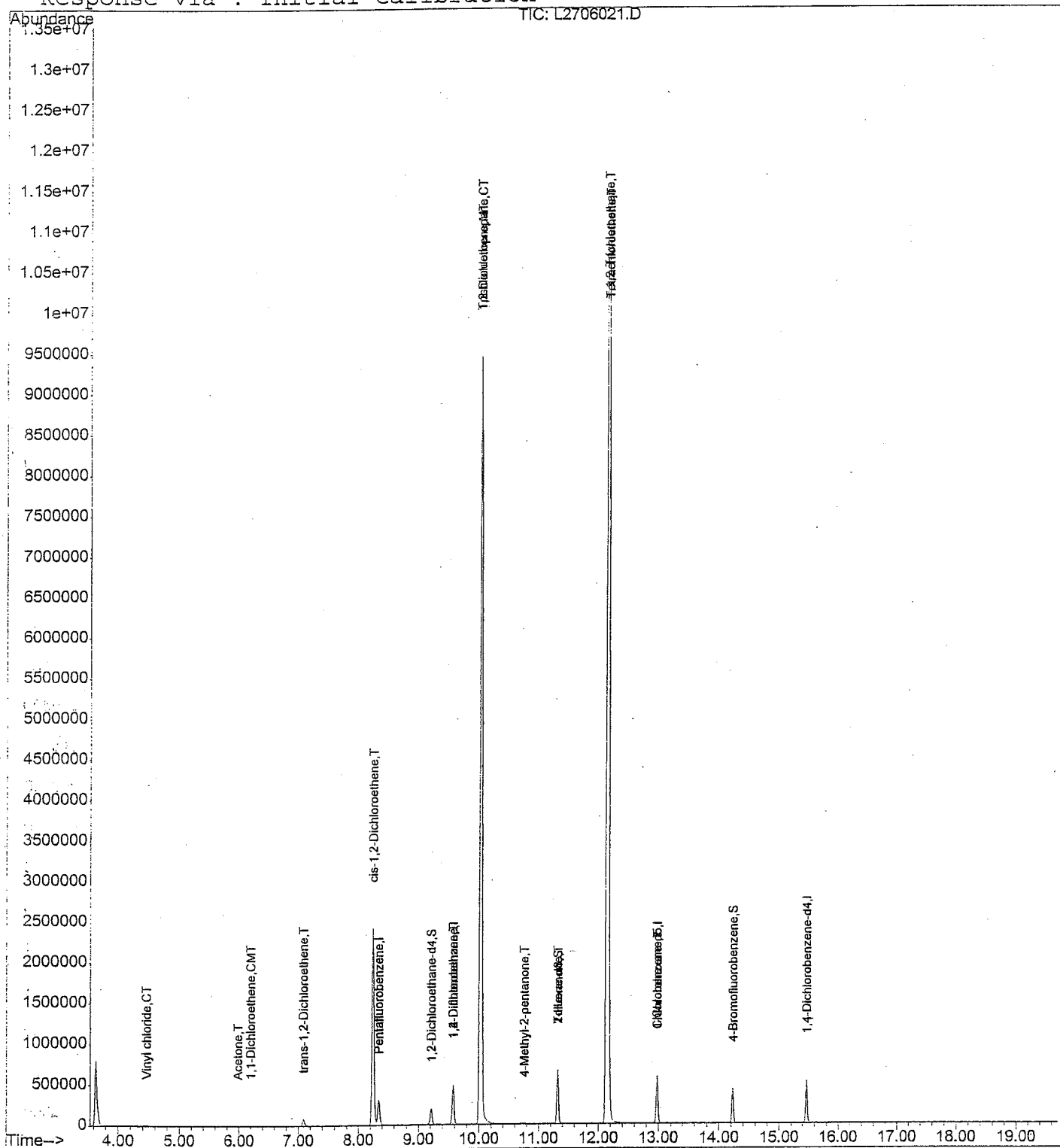
Quantitation Report

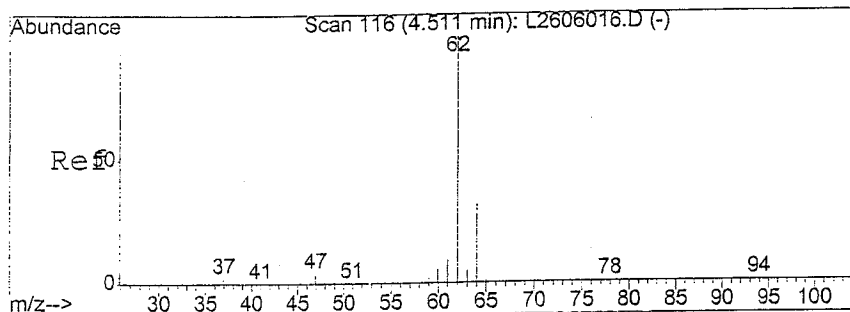
Data File : D:\HPCHEM\1\DATA\122706\L2706021.D
 Acq On : 27 Dec 2006 10:06 pm
 Sample : BPL0442-05
 Misc : 1x 10ml water H
 MS Integration Params: RTEINT.P
 Quant Time: Dec 27 22:14 2006

Vial: 7
 Operator: JZ
 Inst : MS-5
 Multiplr: 1.00

Quant Results File: VOL2606.RES

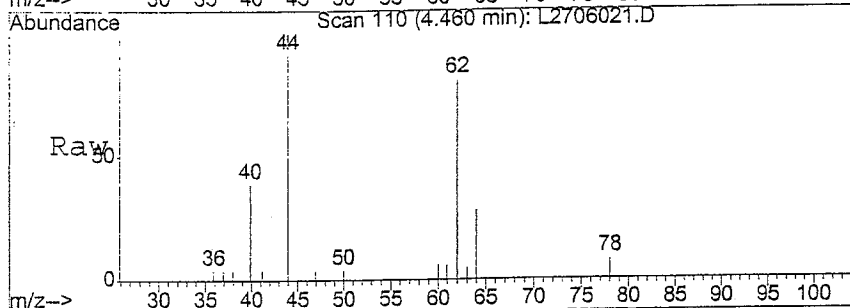
Method : D:\HPCHEM\1\METHODS\VOL2606.M (RTE Integrator)
 Title : EPA Method 8260B/624 VOAs Full Scan
 Last Update : Wed Dec 27 16:38:32 2006
 Response via : Initial Calibration





#4
 Vinyl chloride
 Concen: 1.14 ng/ml
 RT: 4.46 min Scan# 110
 Delta R.T. -0.05 min
 Lab File: L2706021.D
 Acq: 27 Dec 2006 10:06 pm

Tgt Ion	Ratio	Lower	Upper
62	100		
64	36.3	24.8	37.2
59	0.0	1.1	1.7#

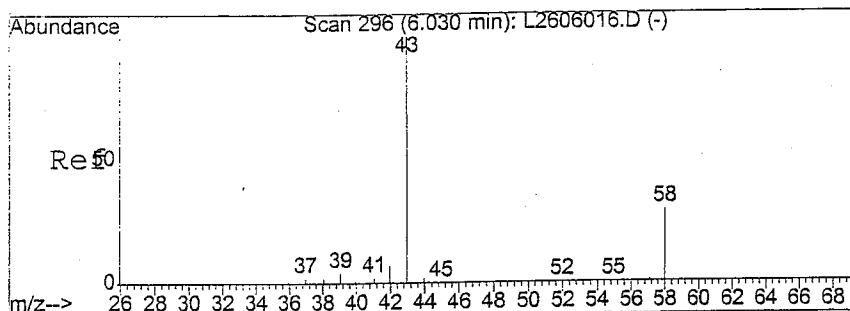
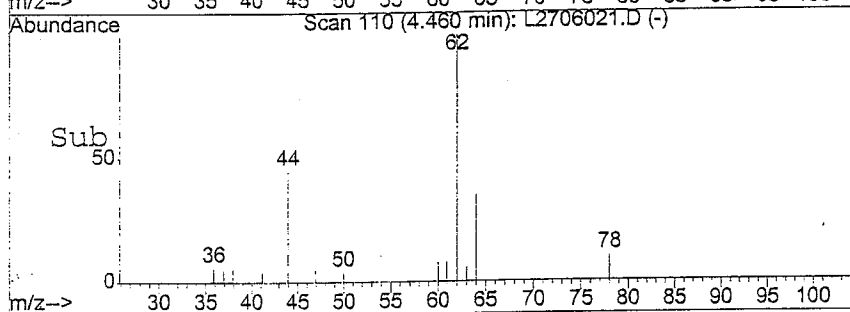
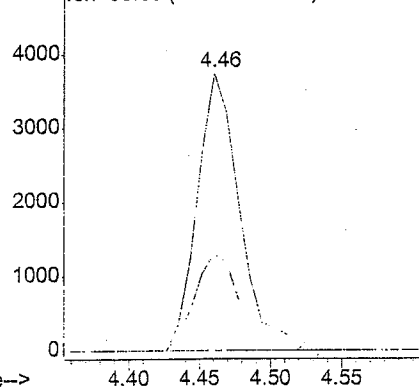


Abundance

Ion 61.95 (61.65 to 62.65): L2706021.D

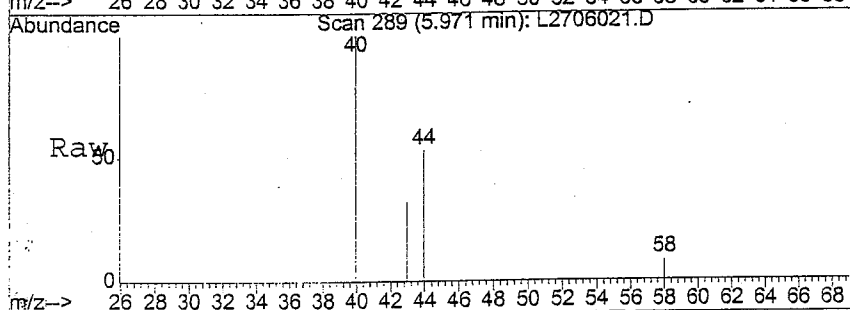
Ion 63.95 (63.65 to 64.65): L2706021.D

Ion 59.00 (58.70 to 59.70): L2706021.D



#8
 Acetone
 Concen: 1.33 ng/ml
 RT: 5.97 min Scan# 289
 Delta R.T. -0.06 min
 Lab File: L2706021.D
 Acq: 27 Dec 2006 10:06 pm

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.2	37.4
42	7.0	4.9	9.1

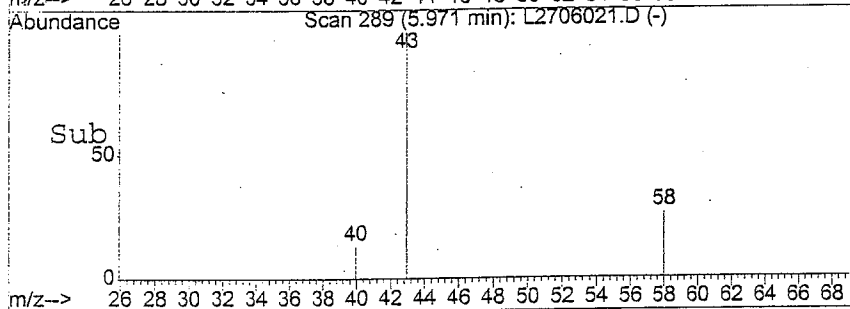
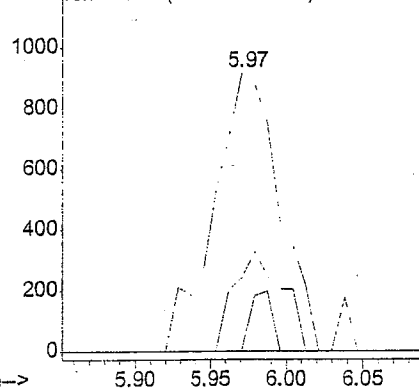


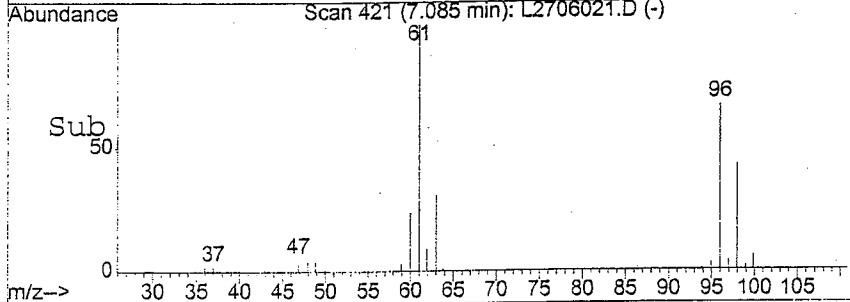
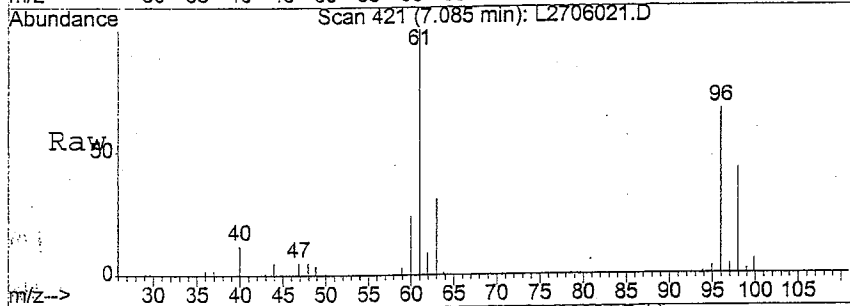
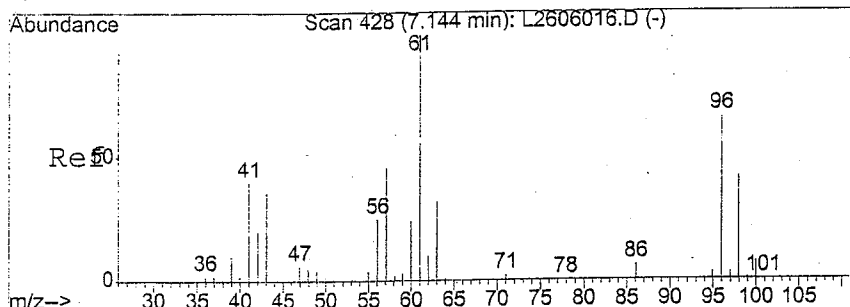
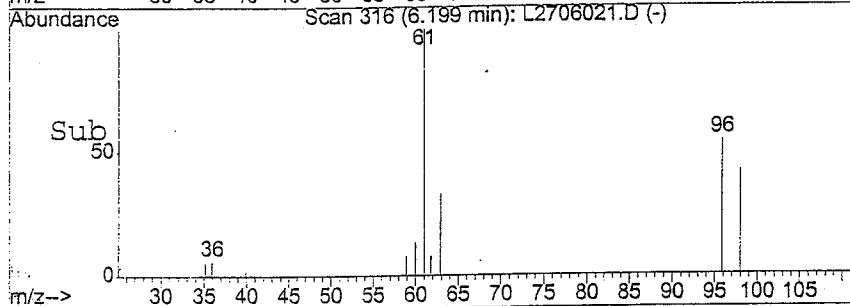
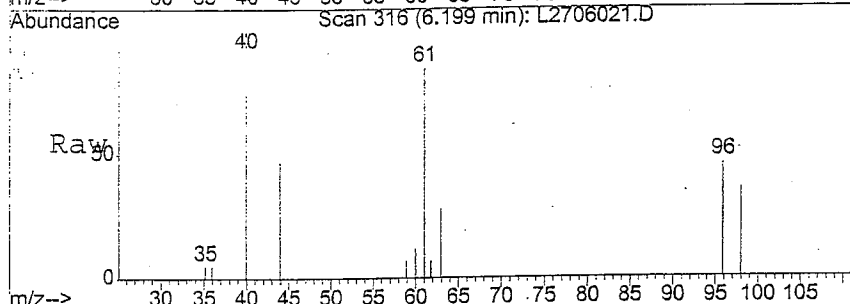
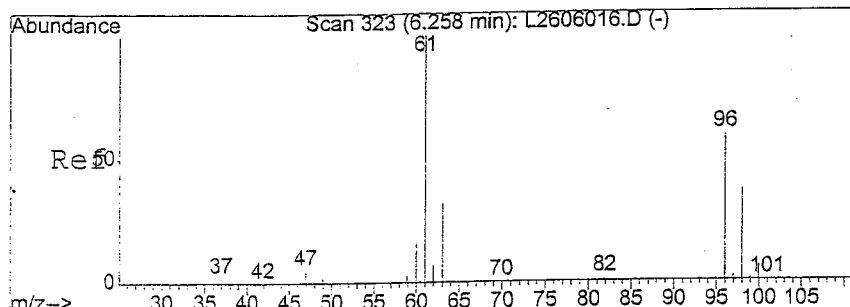
Abundance

Ion 42.90 (42.60 to 43.60): L2706021.D

Ion 57.95 (57.65 to 58.65): L2706021.D

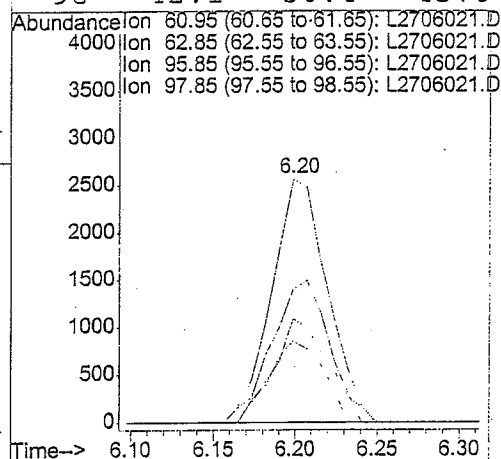
Ion 42.00 (41.70 to 42.70): L2706021.D





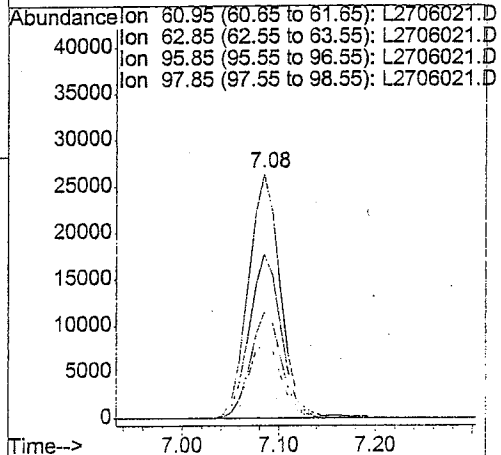
#9
1,1-Dichloroethene
Concen: 0.41 ng/ml
RT: 6.20 min Scan# 316
Delta R.T. -0.06 min
Lab File: L2706021.D
Acq: 27 Dec 2006 10:06 pm

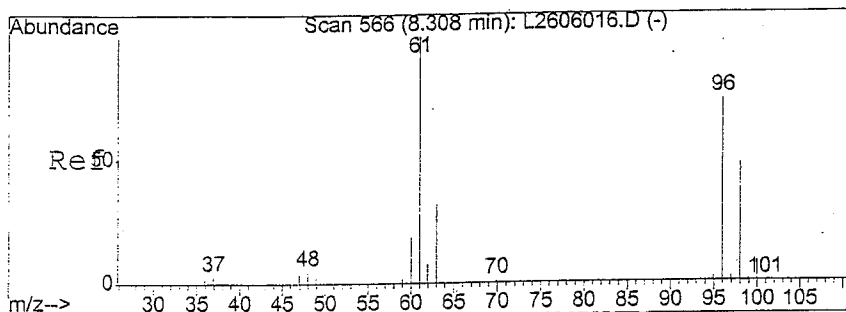
Tgt Ion: 61 Resp: 6100
Ion Ratio Lower Upper
61 100
63 32.2 25.6 38.4
96 59.1 47.2 70.8
98 42.1 30.4 45.6



#13
trans-1,2-Dichloroethene
Concen: 4.08 ng/ml
RT: 7.08 min Scan# 421
Delta R.T. -0.06 min
Lab File: L2706021.D
Acq: 27 Dec 2006 10:06 pm

Tgt Ion: 61 Resp: 61215
Ion Ratio Lower Upper
61 100
63 31.6 22.2 41.2
96 66.5 46.4 86.2
98 41.8 29.3 54.5

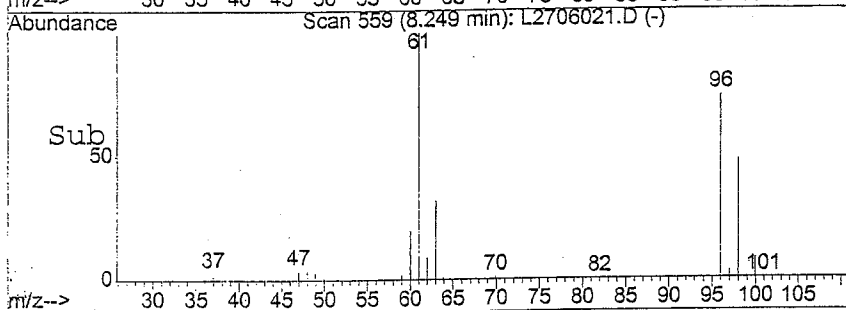
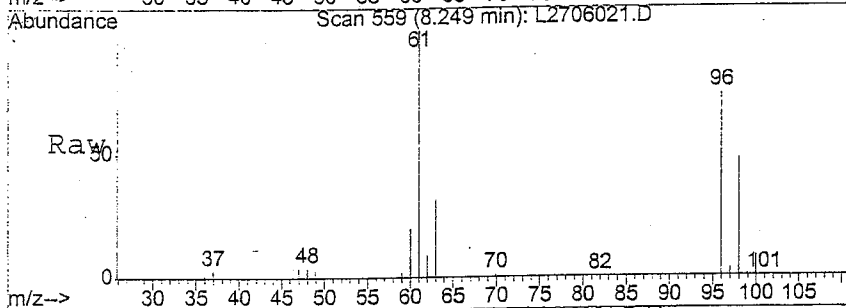




#18
 cis-1,2-Dichloroethene
 Concen: 121.02 ng/ml
 RT: 8.25 min Scan# 559
 Delta R.T. -0.06 min
 Lab File: L2706021.D
 Acq: 27 Dec 2006 10:06 pm

Tgt Ion: 96 Resp: 1380301

Ion	Ratio	Lower	Upper
96	100		
98	63.7	44.8	83.2
61	136.9	107.4	199.4
63	43.8	34.4	64.0



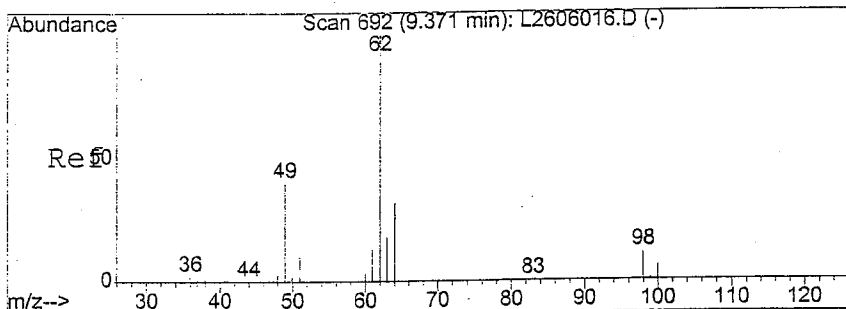
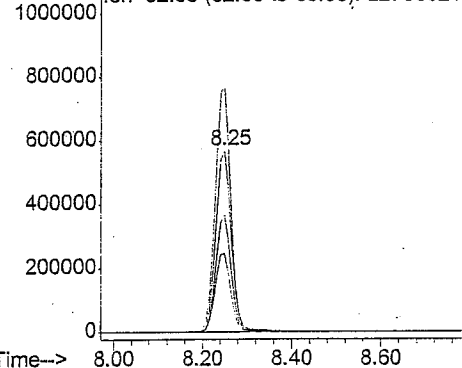
Abundance

Ion 95.85 (95.55 to 96.55): L2706021.D

Ion 97.85 (97.55 to 98.55): L2706021.D

Ion 60.95 (60.65 to 61.65): L2706021.D

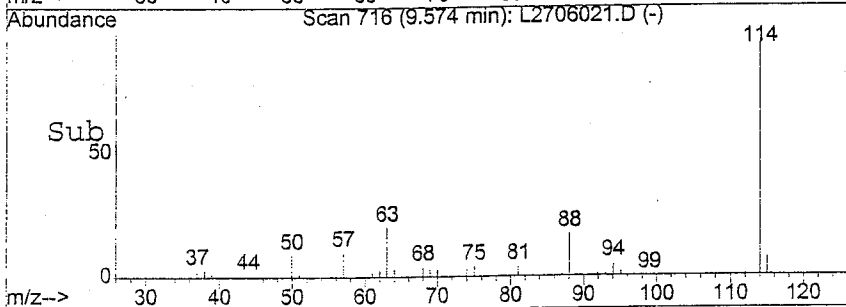
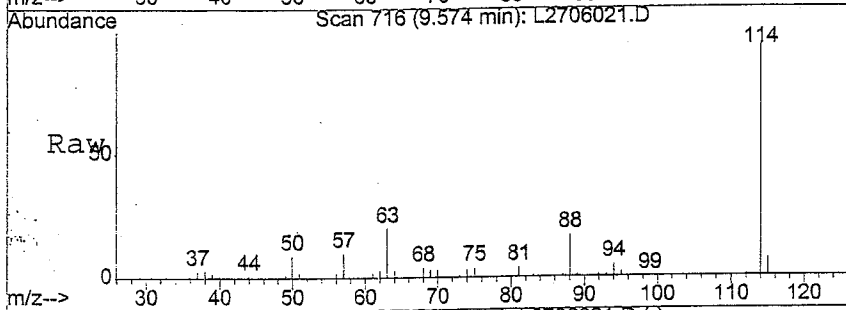
Ion 62.95 (62.65 to 63.65): L2706021.D



#26
 1,2-Dichloroethane
 Concen: 1.27 ng/ml
 RT: 9.57 min Scan# 716
 Delta R.T. 0.20 min
 Lab File: L2706021.D
 Acq: 27 Dec 2006 10:06 pm

Tgt Ion: 62 Resp: 14255

Ion	Ratio	Lower	Upper
62	100		
64	102.9	22.5	41.7#
49	46.7	27.9	51.9

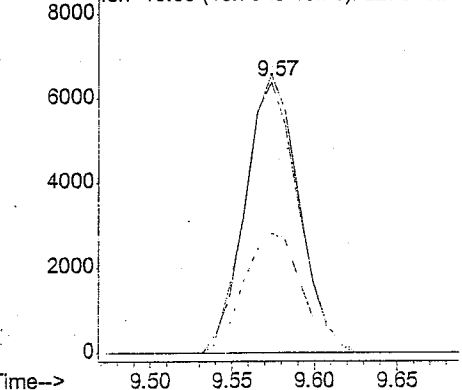


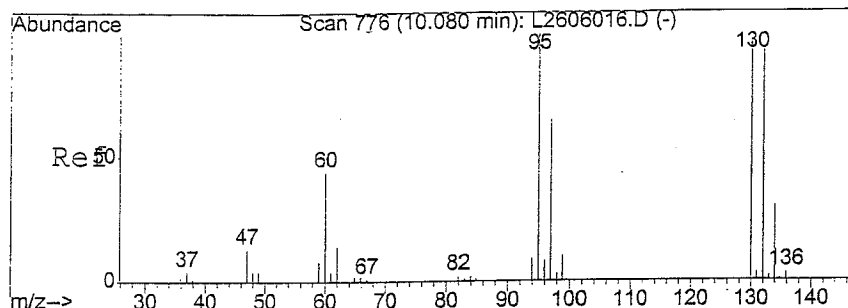
Abundance

Ion 61.95 (61.65 to 62.65): L2706021.D

Ion 63.95 (63.65 to 64.65): L2706021.D

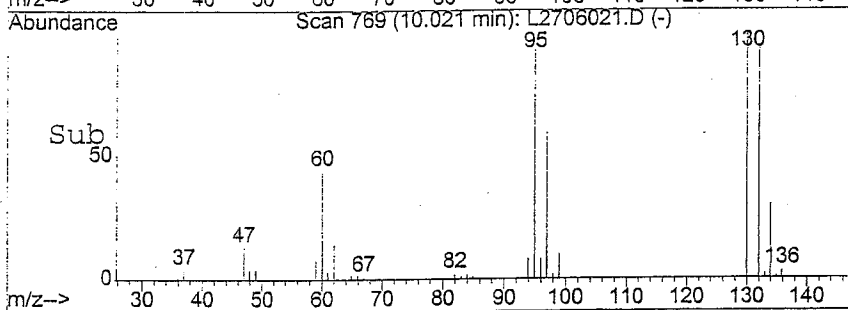
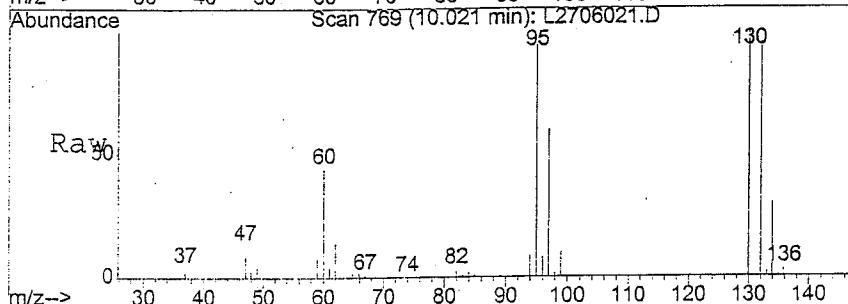
Ion 49.00 (48.70 to 49.70): L2706021.D





#28
 Trichloroethene
 Concen: 441.73 ng/ml
 RT: 10.02 min Scan# 769
 Delta R.T. -0.06 min
 Lab File: L2706021.D
 Acq: 27 Dec 2006 10:06 pm

Tgt Ion:	95	Resp:	4352945
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.3	84.1
130	107.5	68.7	127.5
132	103.0	66.4	123.4



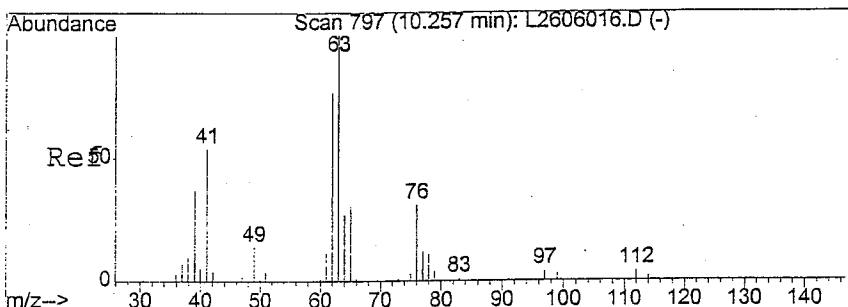
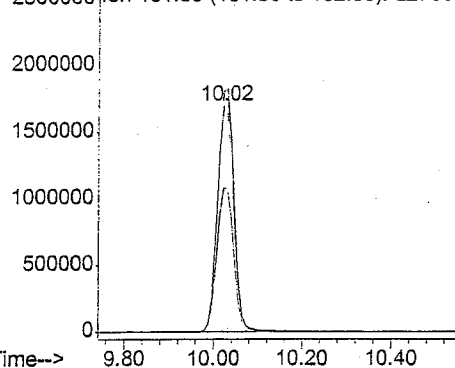
Abundance

Ion 94.80 (94.50 to 95.50): L2706021.D

Ion 96.85 (96.55 to 97.55): L2706021.D

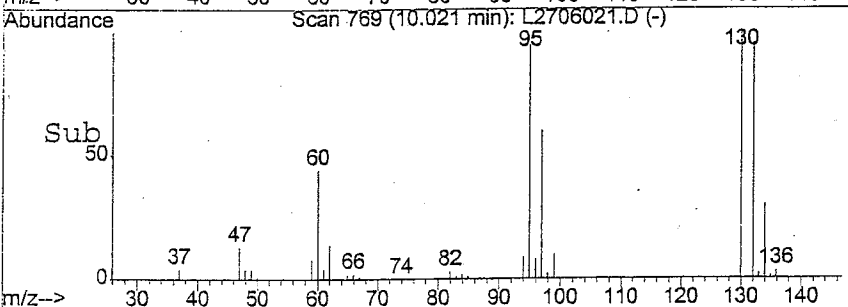
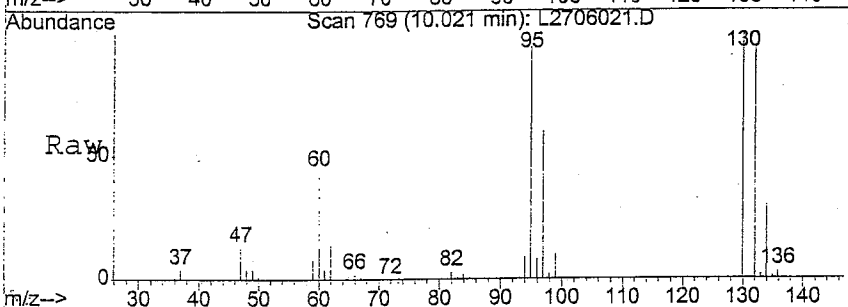
Ion 129.80 (129.50 to 130.50): L2706021.D

Ion 131.80 (131.50 to 132.50): L2706021.D



#29
 1,2-Dichloropropane
 Concen: 1.12 ng/ml
 RT: 10.02 min Scan# 769
 Delta R.T. -0.24 min
 Lab File: L2706021.D
 Acq: 27 Dec 2006 10:06 pm

Tgt Ion:	63	Resp:	13382
Ion	Ratio	Lower	Upper
63	100		
76	0.0	24.8	37.2#
41	13.4	43.2	64.8#

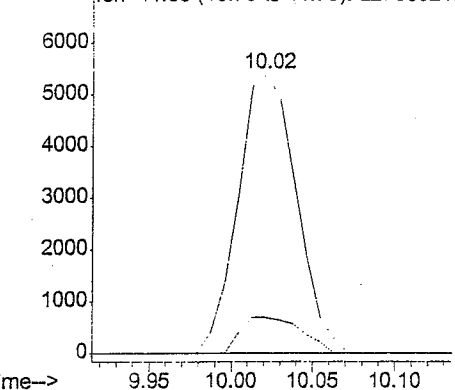


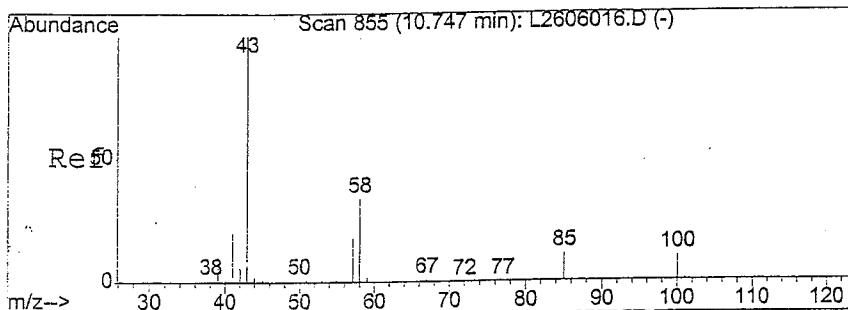
Abundance

Ion 62.95 (62.65 to 63.65): L2706021.D

Ion 75.95 (75.65 to 76.65): L2706021.D

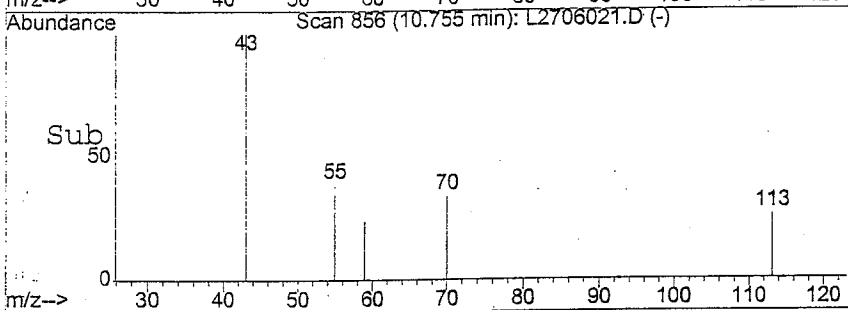
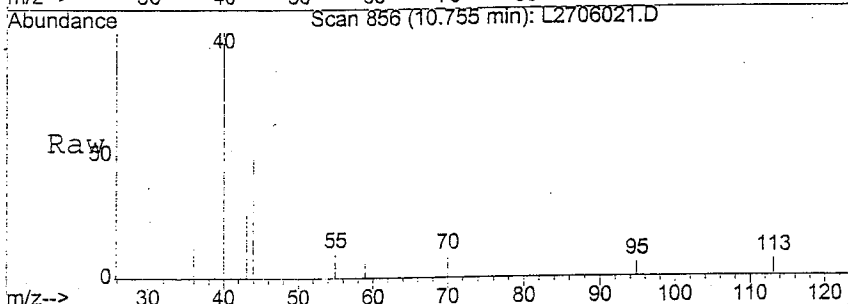
Ion 41.00 (40.70 to 41.70): L2706021.D





#32
 4-Methyl-2-pentanone
 Concen: 0.24 ng/ml
 RT: 10.76 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: L2706021.D
 Acq: 27 Dec 2006 10:06 pm

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.2	45.0#
85	0.0	7.7	14.3#

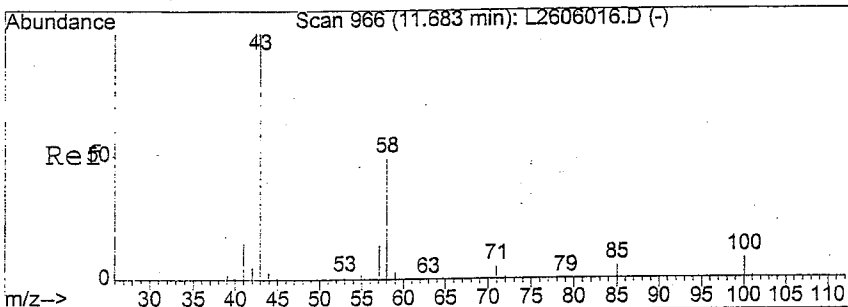
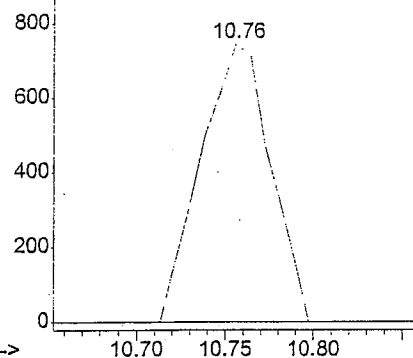


Abundance

Ion 43.00 (42.70 to 43.70): L2706021.D

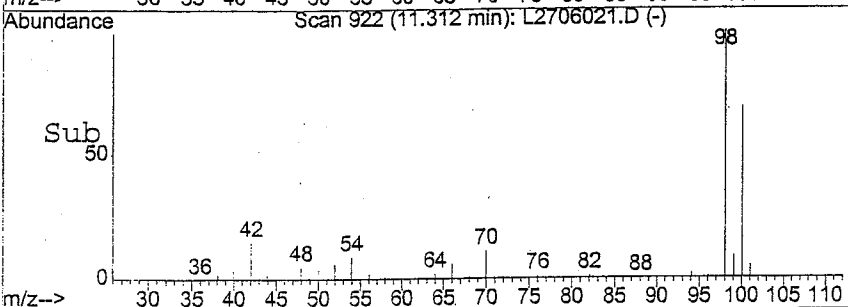
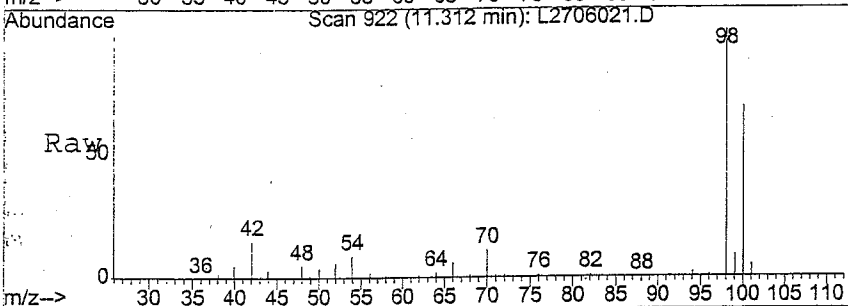
Ion 57.95 (57.65 to 58.65): L2706021.D

Ion 85.00 (84.70 to 85.70): L2706021.D



#38
 2-Hexanone
 Concen: 0.52 ng/ml
 RT: 11.31 min Scan# 922
 Delta R.T. -0.37 min
 Lab File: L2706021.D
 Acq: 27 Dec 2006 10:06 pm

Tgt Ion	Ratio	Lower	Upper
43	100		
58	150.0	33.9	62.9#
100	12572.6	5.5	10.1#

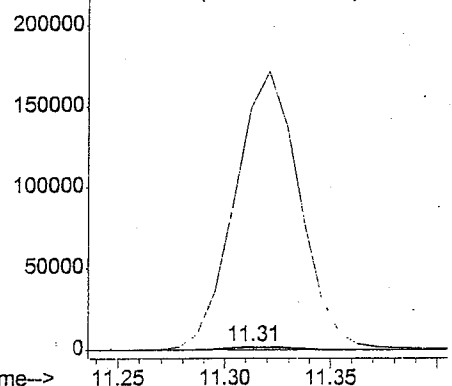


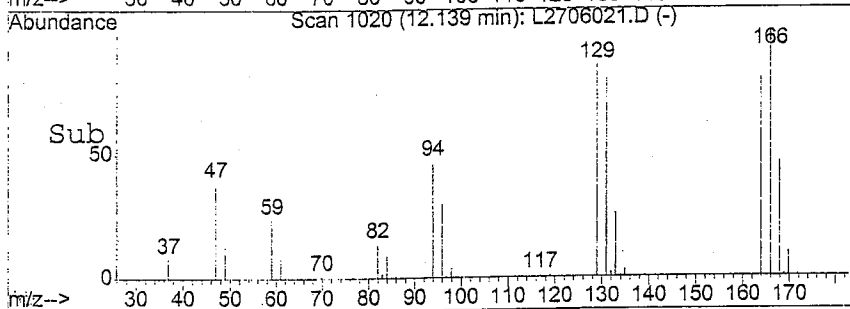
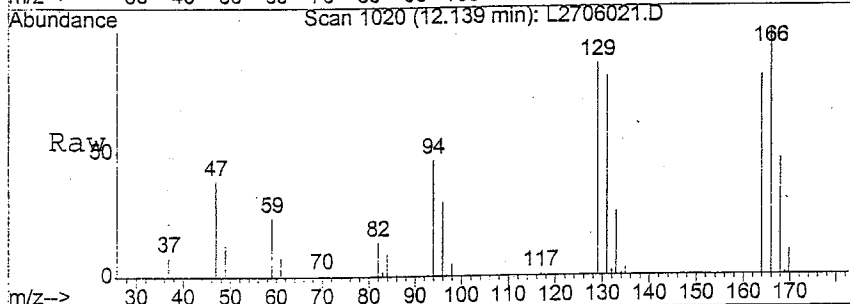
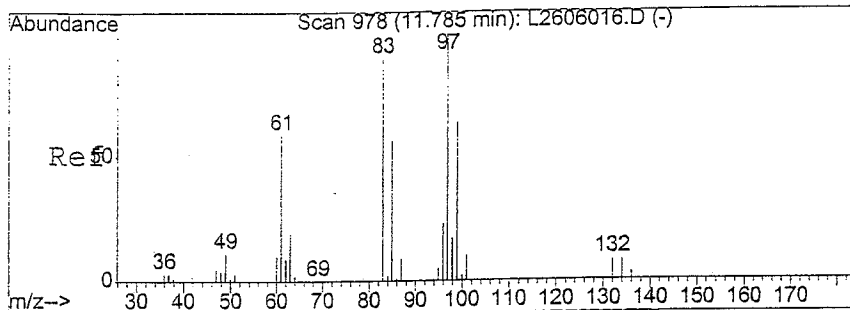
Abundance

Ion 43.00 (42.70 to 43.70): L2706021.D

Ion 57.95 (57.65 to 58.65): L2706021.D

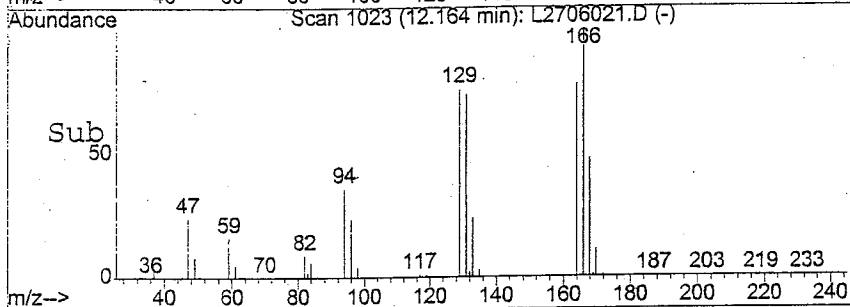
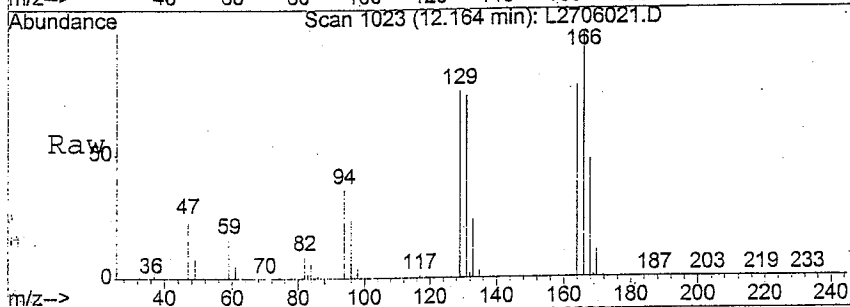
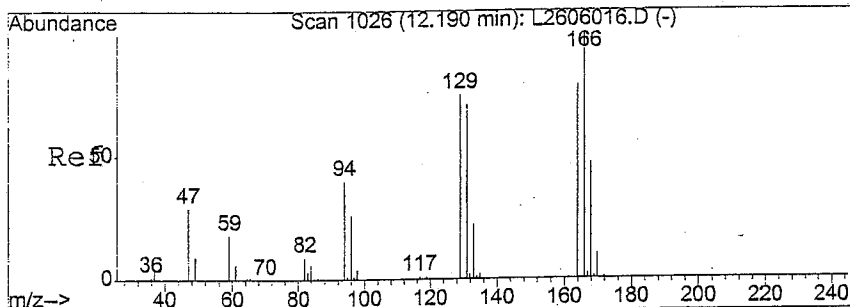
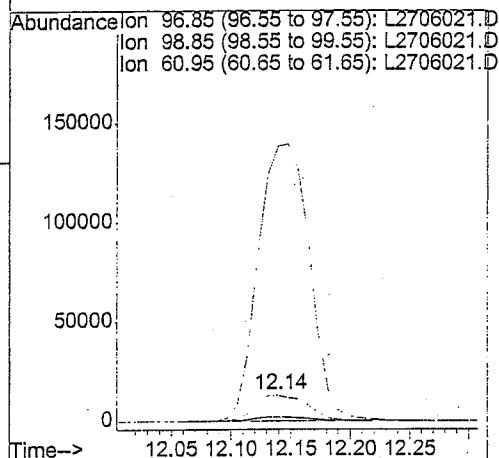
Ion 100.00 (99.70 to 100.70): L2706021.D





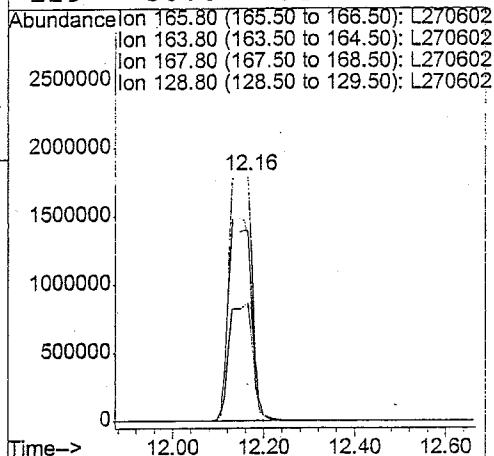
#39
 1,1,2-Trichloroethane
 Concen: 5.08 ng/ml
 RT: 12.14 min Scan# 1020
 Delta R.T. 0.35 min
 Lab File: L2706021.D
 Acq: 27 Dec 2006 10:06 pm

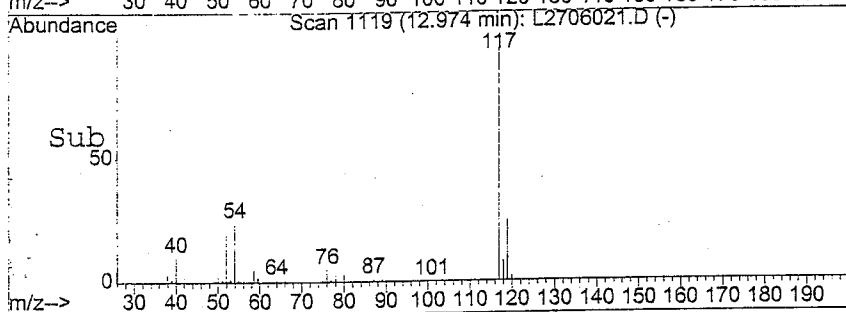
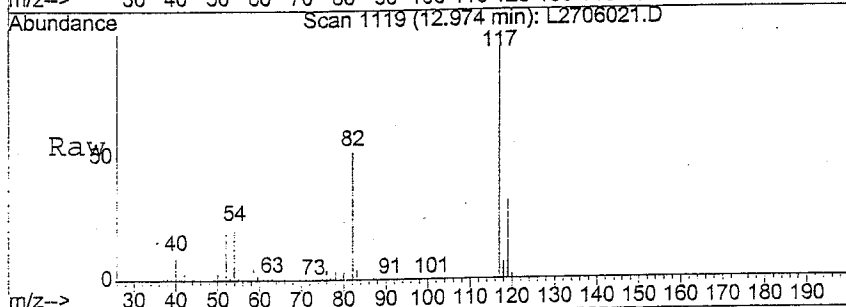
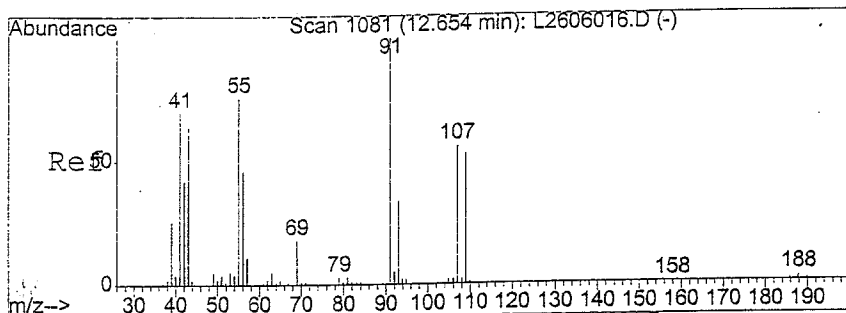
Tgt Ion: 97 Resp: 39072
 Ion Ratio Lower Upper
 97 100
 99 15.7 44.1 81.9#
 61 1065.1 41.8 77.6#



#41
 Tetrachloroethene
 Concen: 729.48 ng/ml
 RT: 12.16 min Scan# 1023
 Delta R.T. -0.03 min
 Lab File: L2706021.D
 Acq: 27 Dec 2006 10:06 pm

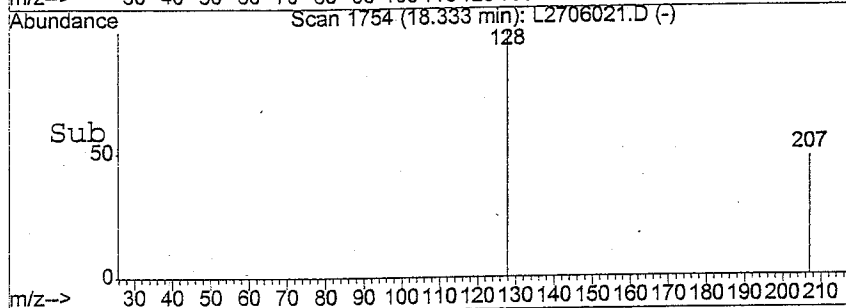
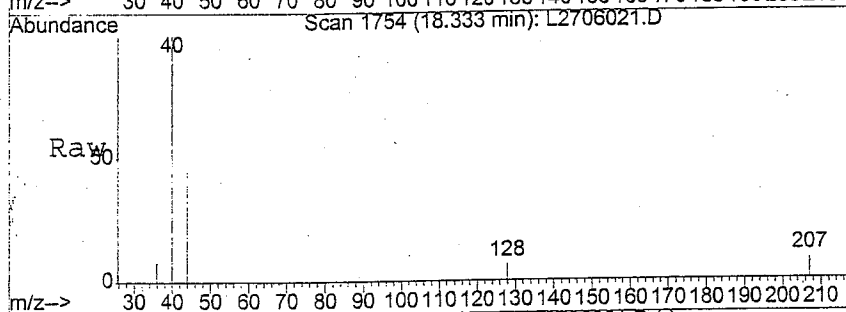
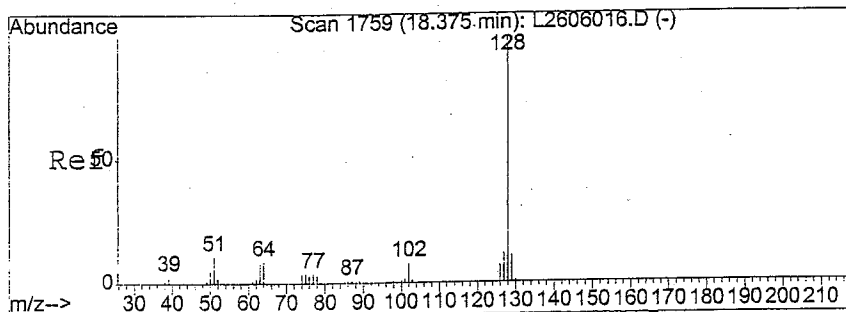
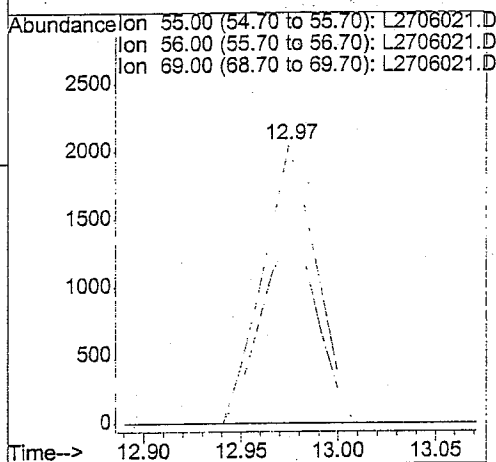
Tgt Ion: 166 Resp: 6310797
 Ion Ratio Lower Upper
 166 100
 164 79.6 55.1 102.3
 168 47.4 33.4 62.0
 129 80.0 51.0 94.6





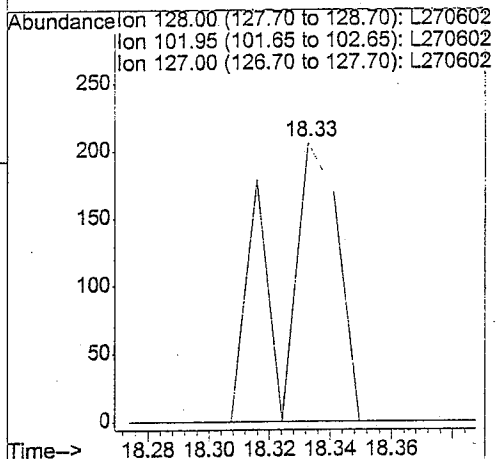
#44
1-Chlorohexane
Concen: 0.44 ng/ml
RT: 12.97 min Scan# 1119
Delta R.T. 0.32 min
Lab File: L2706021.D
Acq: 27 Dec 2006 10:06 pm

Tgt Ion: 55 Resp: 3965
Ion Ratio Lower Upper
55 100
56 69.5 47.8 71.6
69 0.0 19.0 28.6#



#73
Naphthalene
Concen: Below Cal
RT: 18.33 min Scan# 1754
Delta R.T. -0.04 min
Lab File: L2706021.D
Acq: 27 Dec 2006 10:06 pm

Tgt Ion: 128 Resp: 280
Ion Ratio Lower Upper
128 100
102 0.0 5.3 9.8#
127 0.0 8.4 15.6#

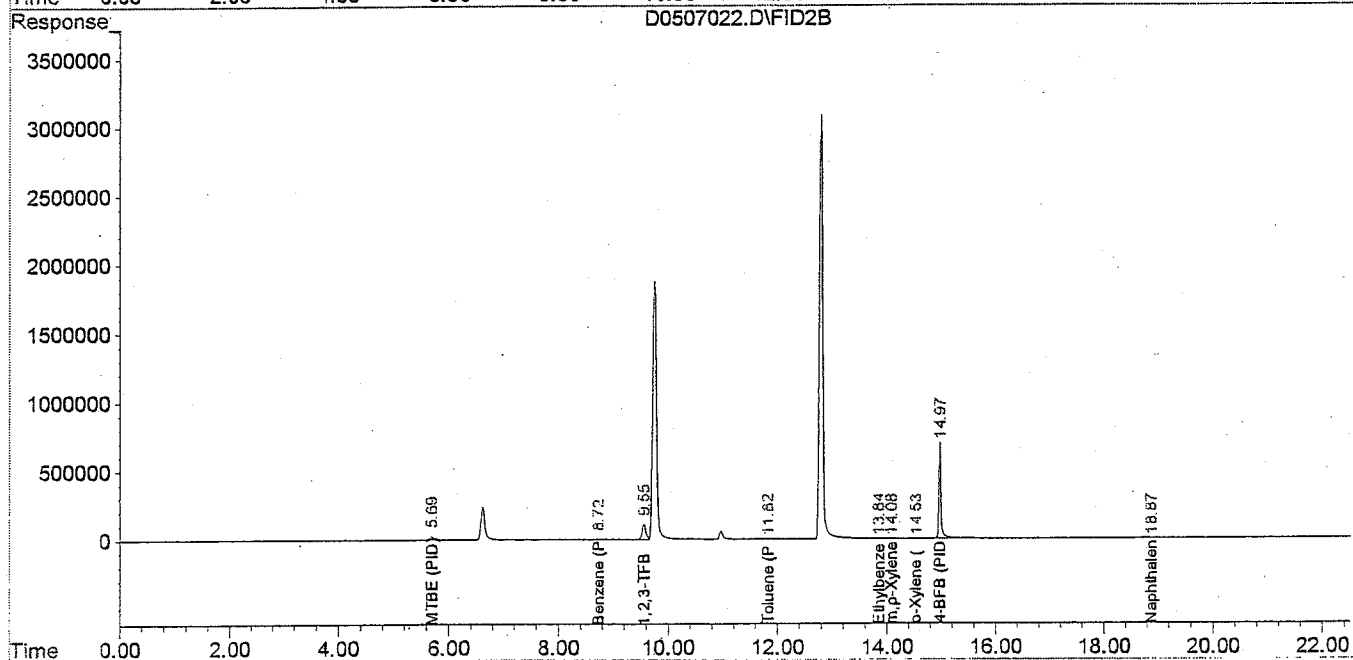
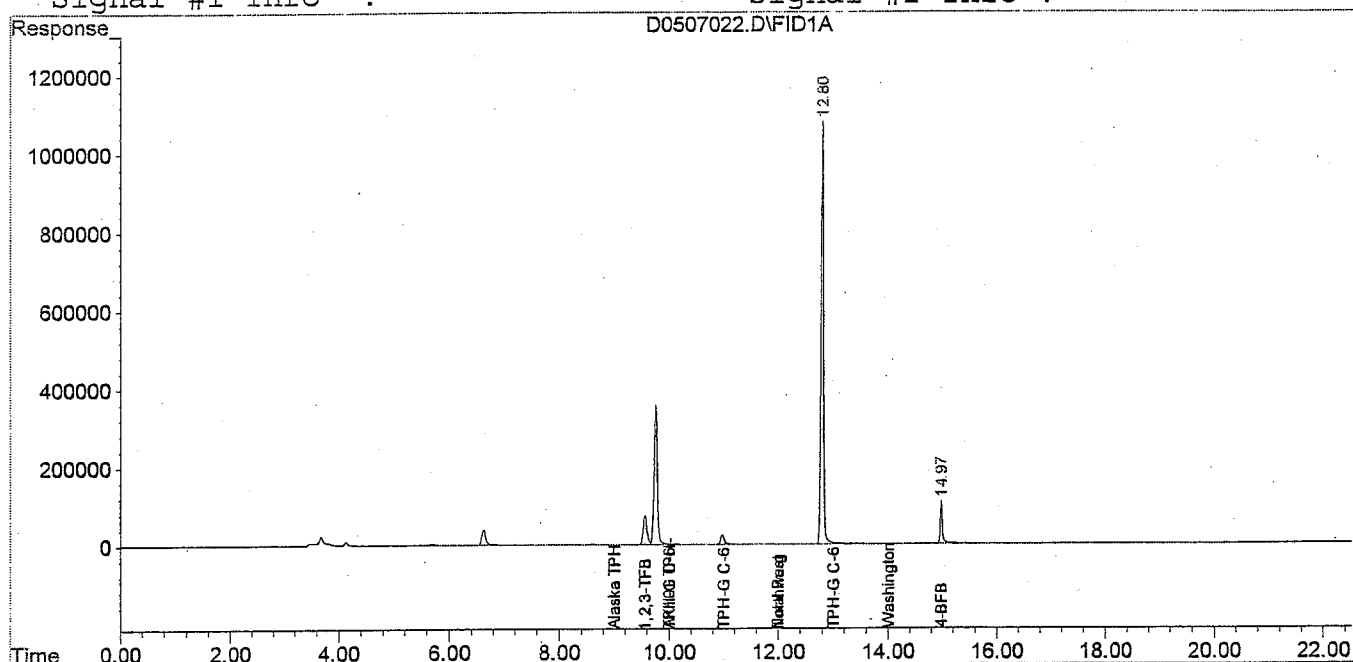


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\D0507\D0507022.D\FID1A.CH Vial: 19
 Signal #2 : C:\HPCHEM\1\DATA\D0507\D0507022.D\FID2B.CH
 Acq On : 5 Apr 2007 22:58 Operator: MAD
 Sample : BQC0692-12 Inst : GC-6
 Misc : 1x 5mL Multiplr: 1.00
 IntFile Signal #1: TPH.E IntFile Signal #2: SURR2.E
 Quant Time: Apr 5 23:21 2007 Quant Results File: 6TB2407B.RES

Quant Method : C:\HPCHEM\1\METHODS\6TB2407B.M (Chemstation Integrator)
 Title : TPH-G/BTEX 8015/8021 Method
 Last Update : Fri Mar 09 15:14:42 2007
 Response via : Multiple Level Calibration
 DataAcq Meth : 6TB2407B.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



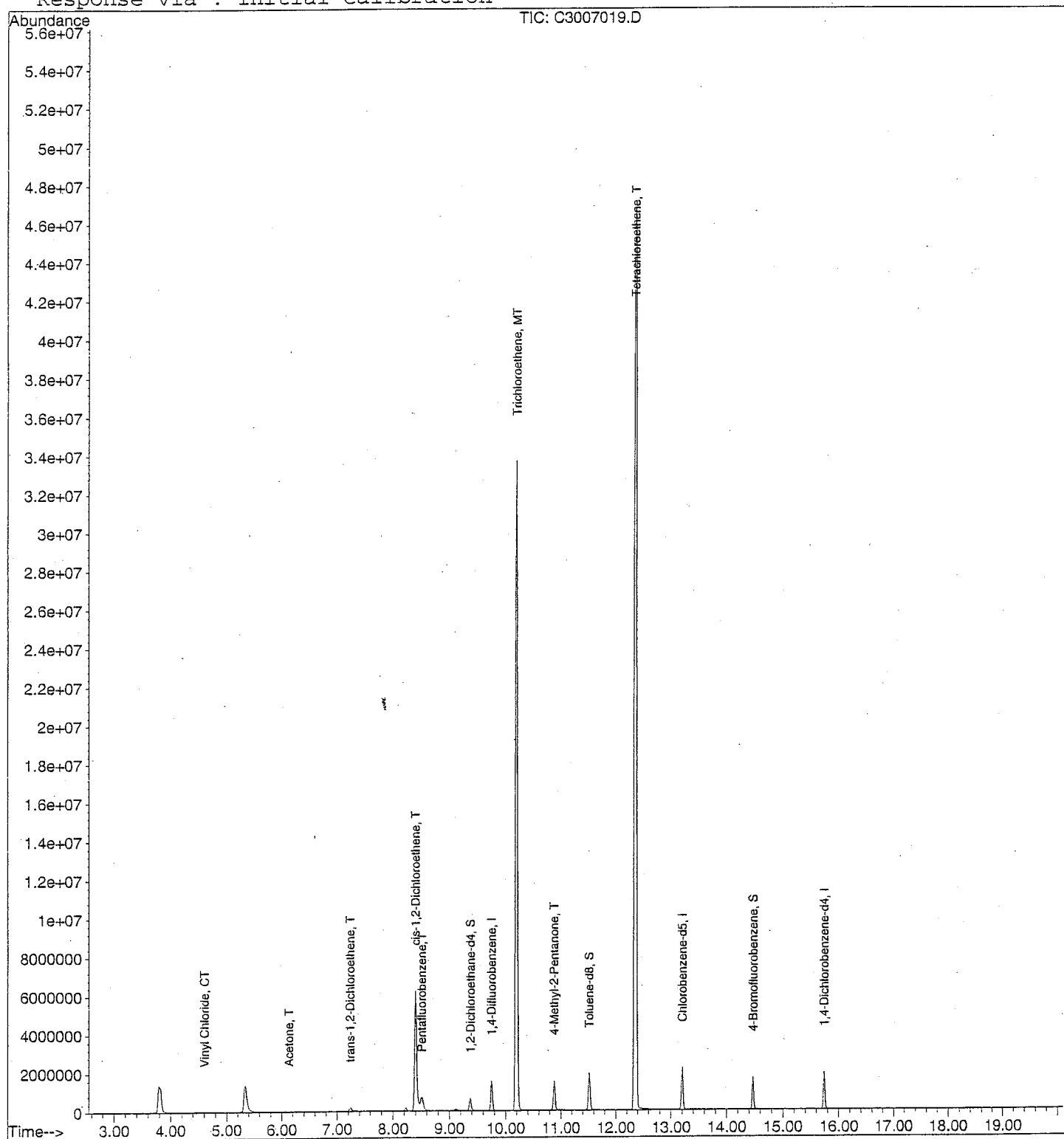
Quantitation Report

Data File : E:\HPCHEM\1\DATA\033007\C3007019.D
 Acq On : 30 Mar 2007 17:17
 Sample : BQC0692-12
 Misc : 1x 10ml water E
 MS Integration Params: RTEINT.P
 Quant Time: Apr 2 11:46 2007

Vial: 18
 Operator: EC
 Inst : MS-4
 Multiplr: 1.00

Quant Results File: VOC2707.RES

Method : E:\HPCHEM\1\METHODS\VOC2707.M (RTE Integrator)
 Title : EPA Method 8260B/624 VOAs Full Scan
 Last Update : Wed Mar 28 09:02:06 2007
 Response via : Initial Calibration



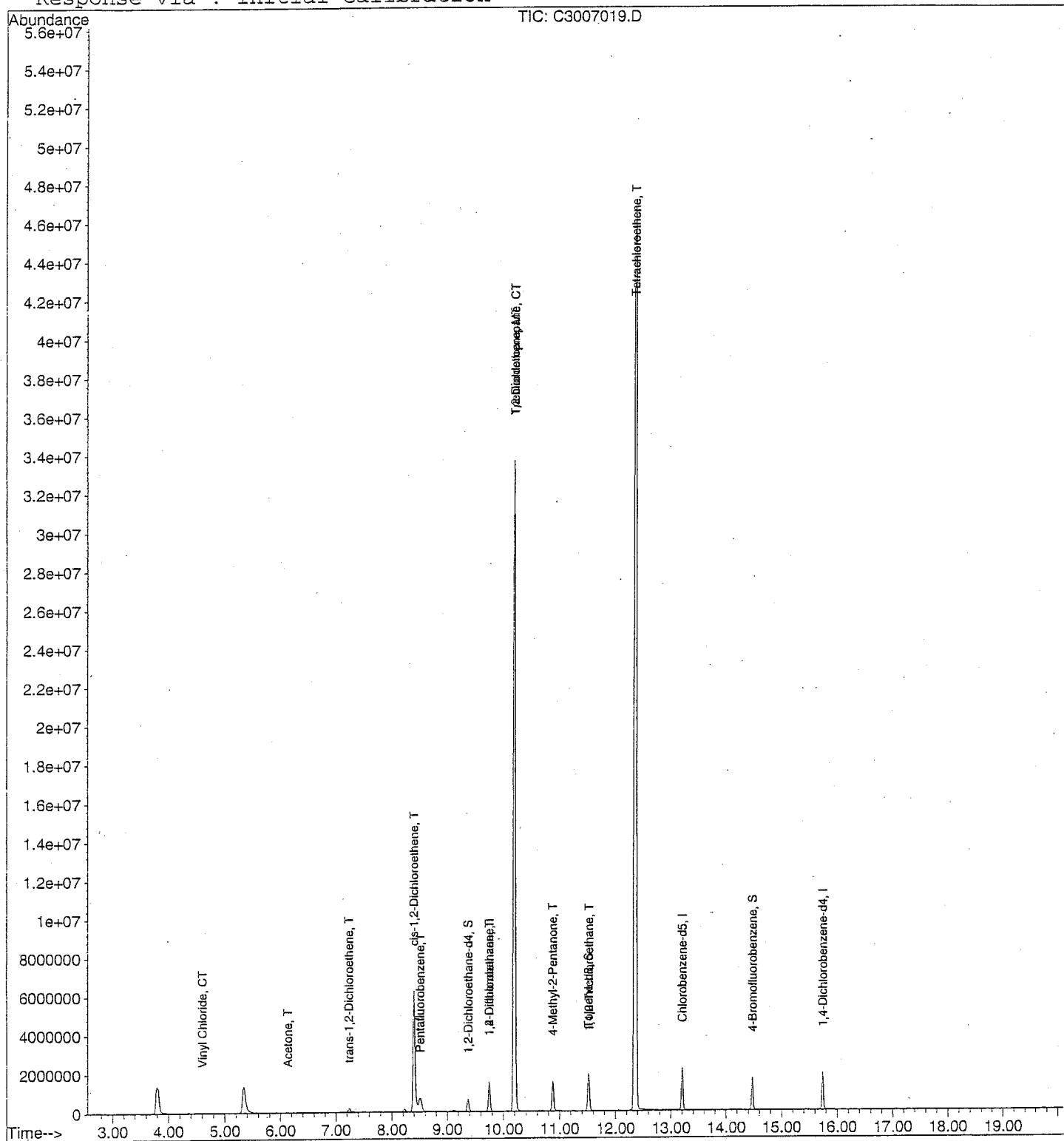
Quantitation Report

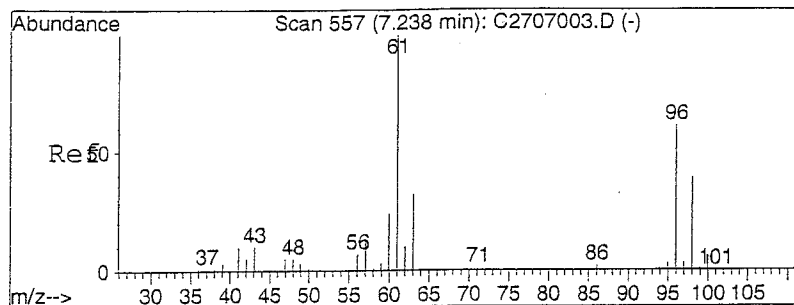
Data File : E:\HPCHEM\1\DATA\033007\C3007019.D
 Acq On : 30 Mar 2007 17:17
 Sample : BQC0692-12
 Misc : 1x 10ml water E
 MS Integration Params: RTEINT.P
 Quant Time: Apr 2 11:45 2007

Vial: 18
 Operator: EC
 Inst : MS-4
 Multiplr: 1.00

Quant Results File: VOC2707.RES

Method : E:\HPCHEM\1\METHODS\VOC2707.M (RTE Integrator)
 Title : EPA Method 8260B/624 VOAs Full Scan
 Last Update : Wed Mar 28 09:02:06 2007
 Response via : Initial Calibration

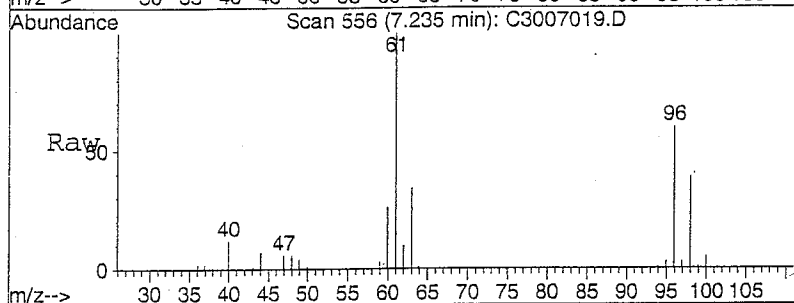




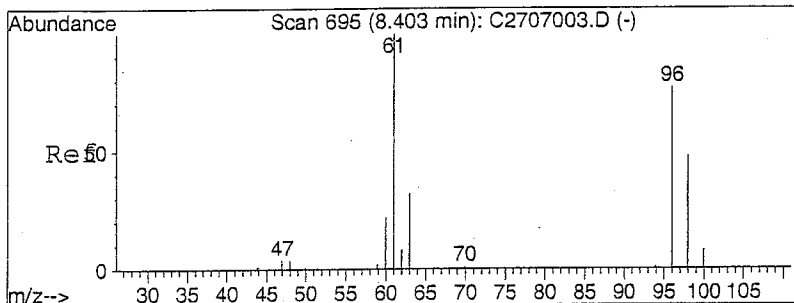
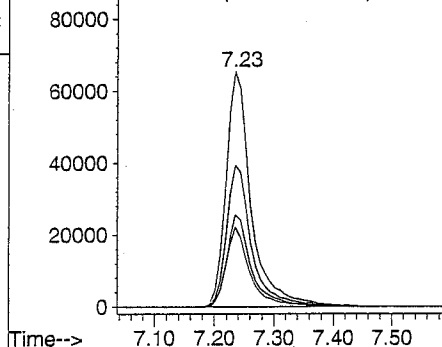
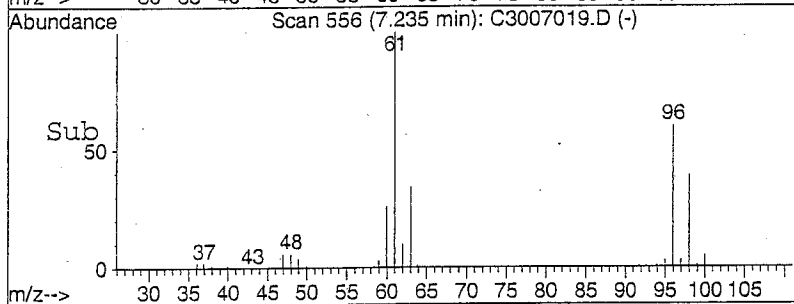
#13
 trans-1,2-Dichloroethene
 Concen: 3.76 ng/ml
 RT: 7.23 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: C3007019.D
 Acq: 30 Mar 2007 17:17

Tgt Ion: 61 Resp: 193726

Ion	Ratio	Lower	Upper
61	100		
63	31.8	22.7	42.1
96	60.2	43.3	80.5
98	38.2	27.4	51.0



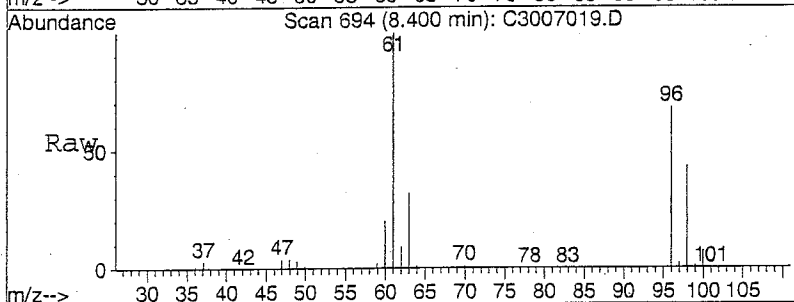
Abundance Ion 60.85 (60.55 to 61.55): C30070
 Ion 62.95 (62.65 to 63.65): C30070
 Ion 95.90 (95.60 to 96.60): C30070
 Ion 97.85 (97.55 to 98.55): C30070



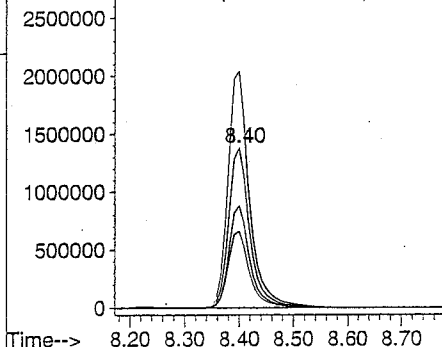
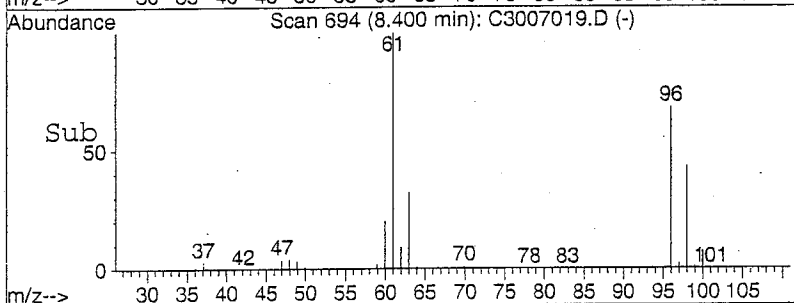
#18
 cis-1,2-Dichloroethene
 Concen: 108.08 ng/ml
 RT: 8.40 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: C3007019.D
 Acq: 30 Mar 2007 17:17

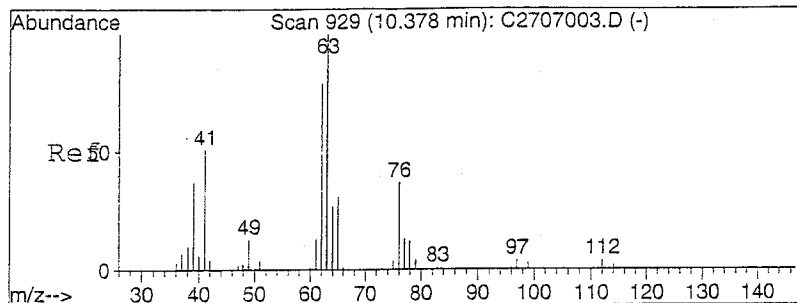
Tgt Ion: 96 Resp: 3726956

Ion	Ratio	Lower	Upper
96	100		
98	64.8	44.9	83.3
61	150.5	120.1	223.1
63	48.3	38.2	70.9



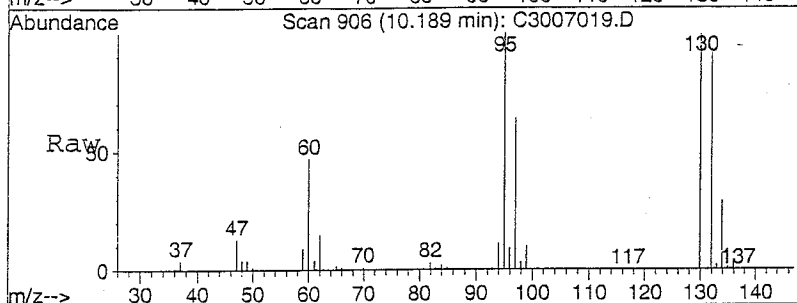
Abundance Ion 96.00 (95.70 to 96.70): C30070
 Ion 98.00 (97.70 to 98.70): C30070
 Ion 61.00 (60.70 to 61.70): C30070
 Ion 63.00 (62.70 to 63.70): C30070



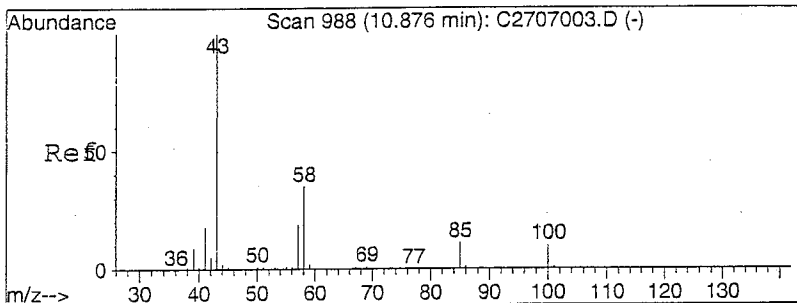
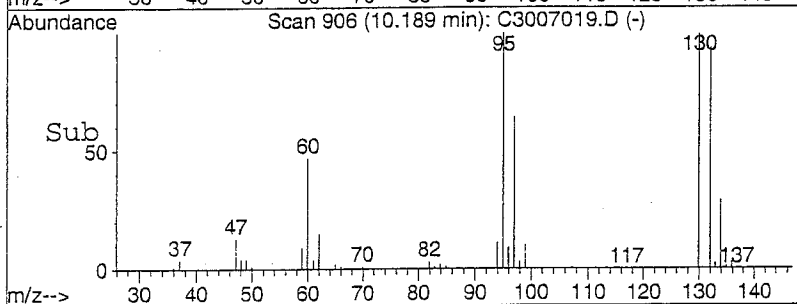
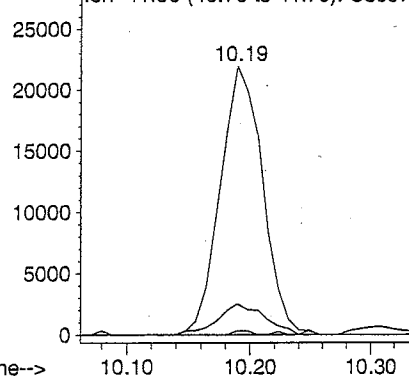


#29
1,2-Dichloropropane
Concen: 1.33 ng/ml
RT: 10.19 min Scan# 906
Delta R.T. -0.19 min
Lab File: C3007019.D
Acq: 30 Mar 2007 17:17

Tgt Ion: 63 Resp: 52568
Ion Ratio Lower Upper
63 100
76 0.0 25.8 47.8#
41 13.1 36.5 67.9#

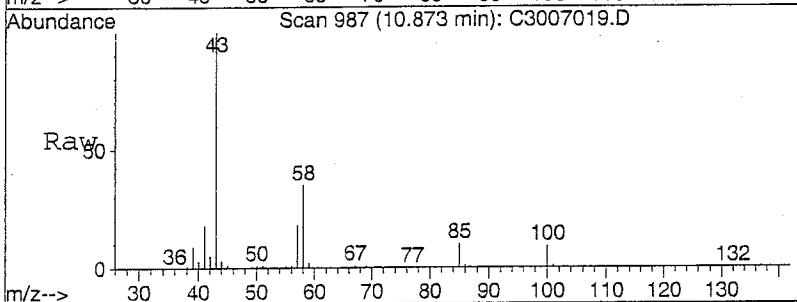


Abundance Ion 62.95 (62.65 to 63.65): C30070
30000 Ion 75.90 (75.60 to 76.60): C30070
Ion 41.00 (40.70 to 41.70): C30070

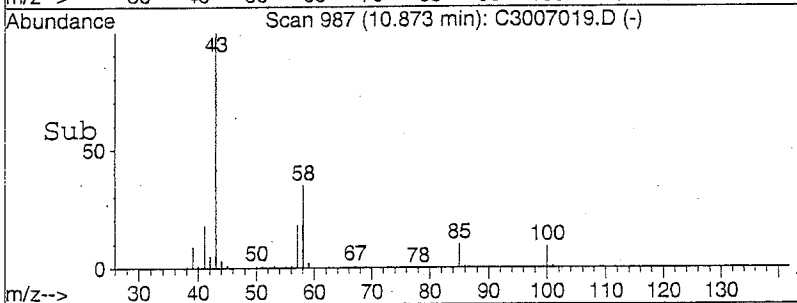
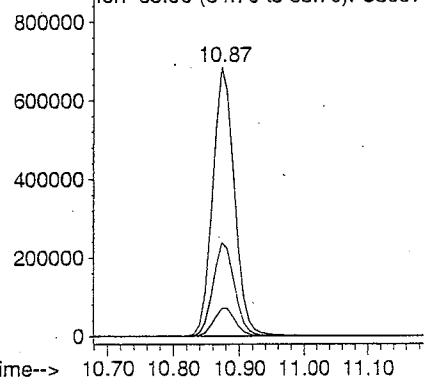


#32
4-Methyl-2-Pentanone
Concen: 61.95 ng/ml
RT: 10.87 min Scan# 987
Delta R.T. -0.00 min
Lab File: C3007019.D
Acq: 30 Mar 2007 17:17

Tgt Ion: 43 Resp: 1586434
Ion Ratio Lower Upper
43 100
58 34.5 24.7 45.9
85 10.4 7.8 14.6



Abundance Ion 42.95 (42.65 to 43.65): C30070
Ion 58.00 (57.70 to 58.70): C30070
Ion 85.00 (84.70 to 85.70): C30070



Quantitation Report

Data File : E:\HPCHEM\1\DATA\040207\D0207014.D

Vial: 13

Acq On : 2 Apr 2007 14:39

Operator: EC

Sample : BQC0692-12RE1

Inst : MS-4

Misc : 20x 0.5ml water B

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Apr 4 11:03 2007

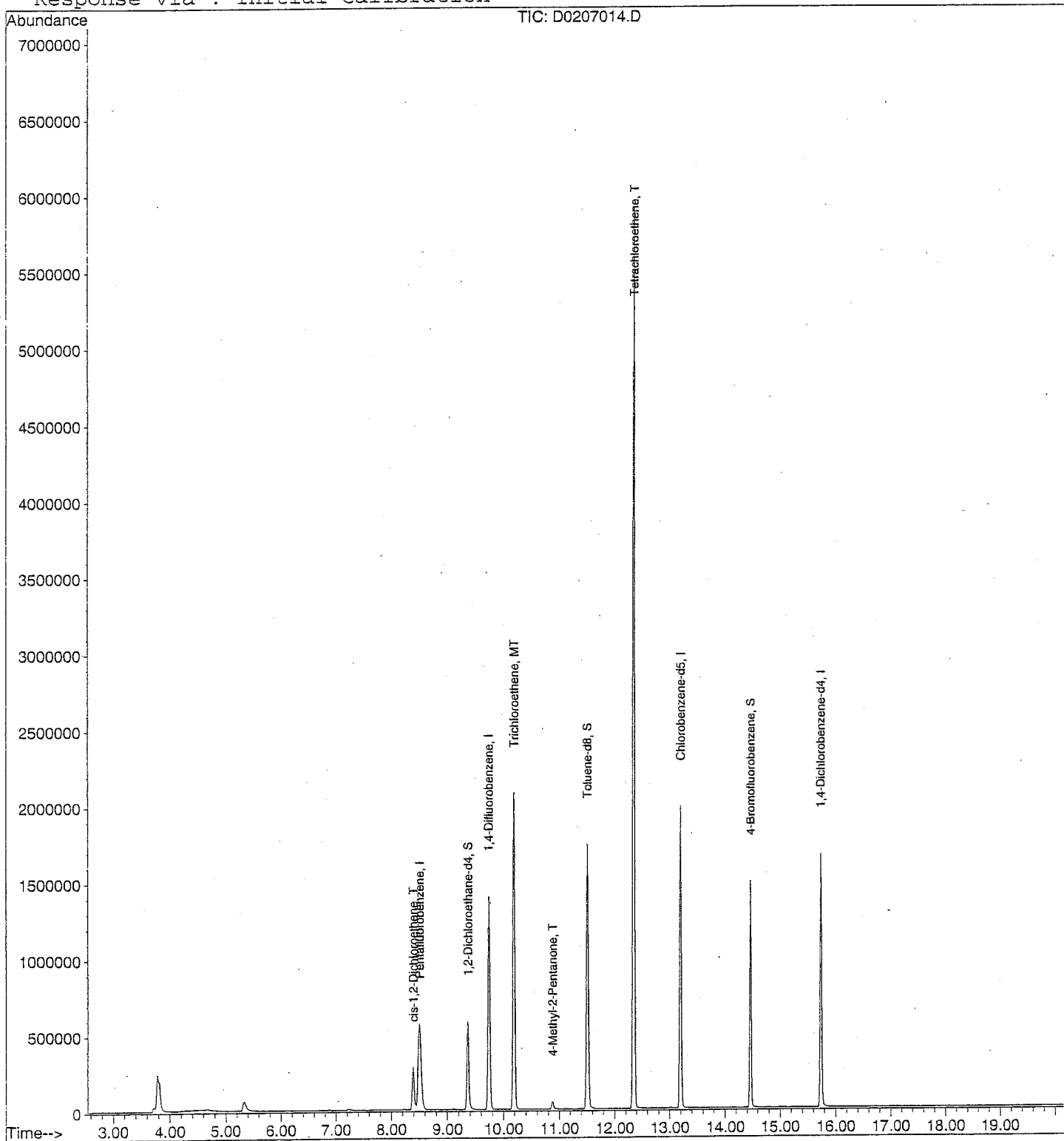
Quant Results File: VOC2707.RES

Method : E:\HPCHEM\1\METHODS\VOC2707.M (RTE Integrator)

Title : EPA Method 8260B/624 VOAs Full Scan

Last Update : Wed Mar 28 09:02:06 2007

Response via : Initial Calibration



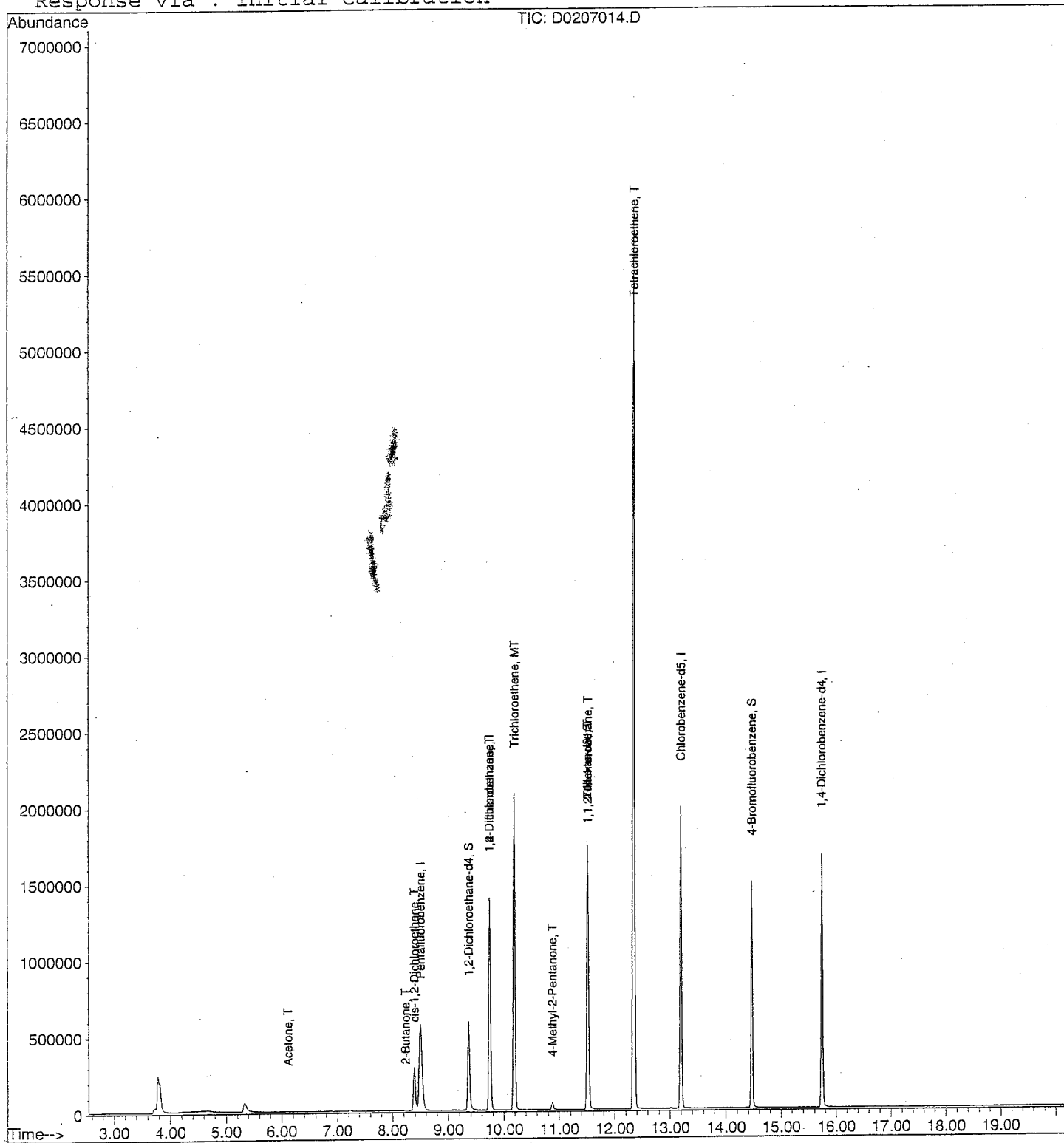
Quantitation Report

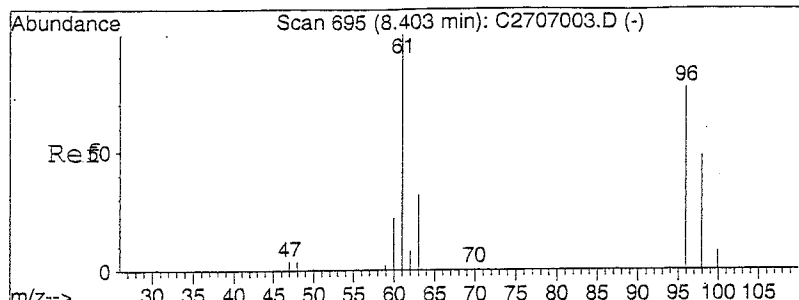
Data File : E:\HPCHEM\1\DATA\040207\D0207014.D
 Acq On : 2 Apr 2007 14:39
 Sample : BQC0692-12RE1
 Misc : 20x 0.5ml water B
 MS Integration Params: RTEINT.P
 Quant Time: Apr 2 14:59 2007

Vial: 13
 Operator: EC
 Inst : MS-4
 Multiplr: 1.00

Quant Results File: VOC2707.RES

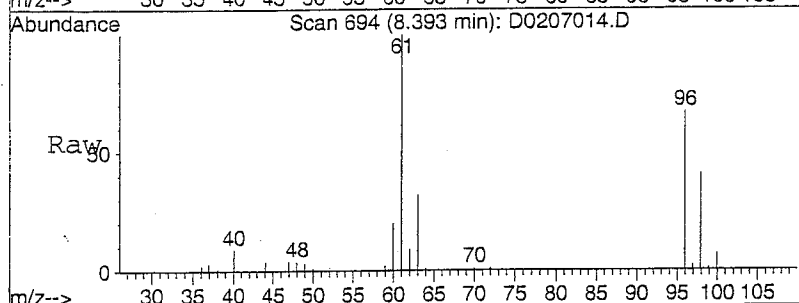
Method : E:\HPCHEM\1\METHODS\VOC2707.M (RTE Integrator)
 Title : EPA Method 8260B/624 VOAs Full Scan
 Last Update : Wed Mar 28 09:02:06 2007
 Response via : Initial Calibration



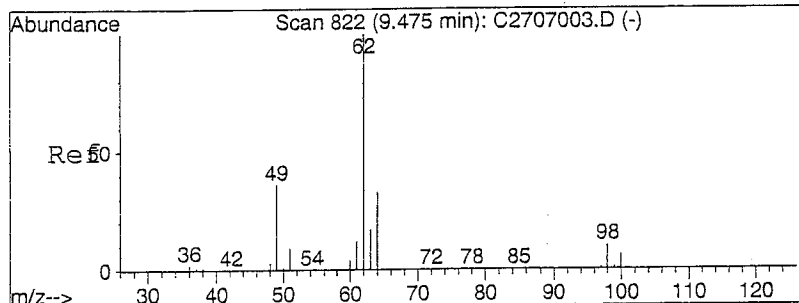
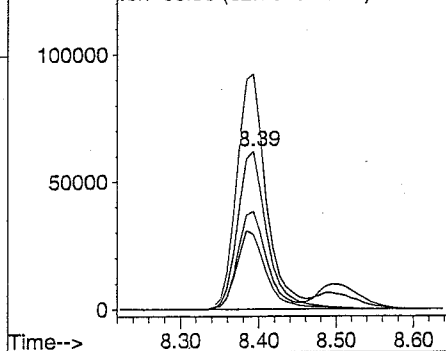
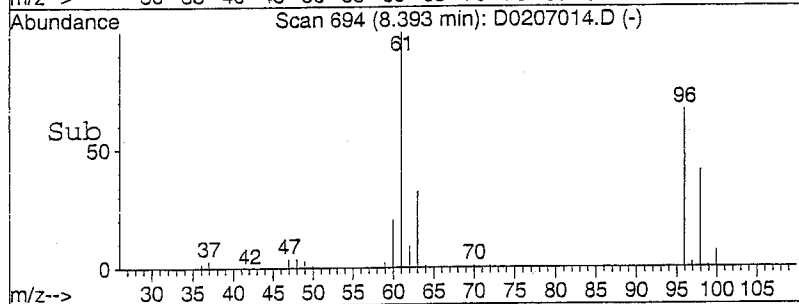


#18
 cis-1,2-Dichloroethene
 Concen: 5.40 ng/ml
 RT: 8.39 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: D0207014.D
 Acq: 2 Apr 2007 14:39

Tgt Ion: 96 Resp: 162438
 Ion Ratio Lower Upper
 96 100
 98 61.7 44.9 83.3
 61 149.1 120.1 223.1
 63 49.8 38.2 70.9

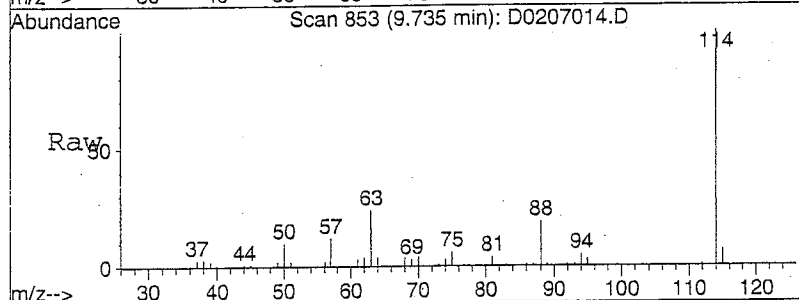


Abundance Ion 96.00 (95.70 to 96.70): D02070
 Ion 98.00 (97.70 to 98.70): D02070
 Ion 61.00 (60.70 to 61.70): D02070
 Ion 63.00 (62.70 to 63.70): D02070

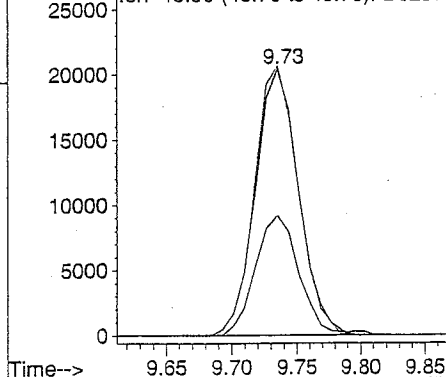
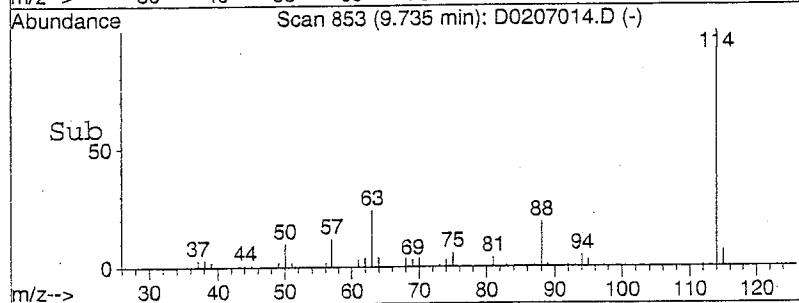


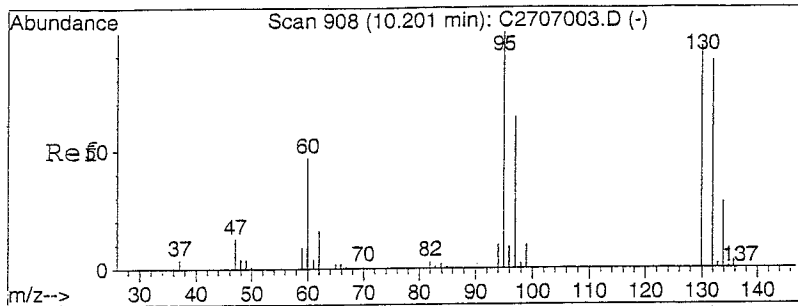
#26
 1,2-Dichloroethane
 Concen: 1.30 ng/ml
 RT: 9.73 min Scan# 853
 Delta R.T. 0.26 min
 Lab File: D0207014.D
 Acq: 2 Apr 2007 14:39

Tgt Ion: 62 Resp: 47086
 Ion Ratio Lower Upper
 62 100
 64 102.6 22.8 42.3#
 49 45.0 24.7 45.9



Abundance Ion 61.85 (61.55 to 62.55): D02070
 Ion 63.95 (63.65 to 64.65): D02070
 Ion 49.00 (48.70 to 49.70): D02070

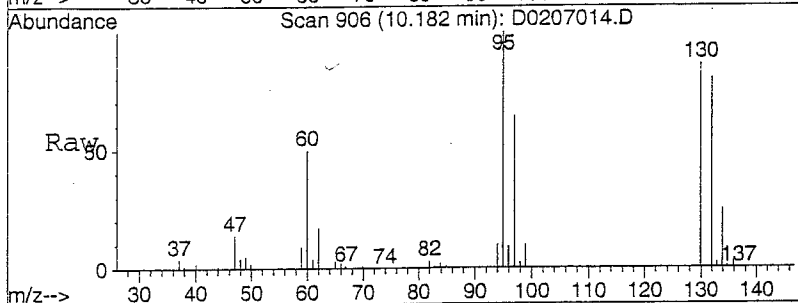




#28
Trichloroethene
Concen: 29.29 ng/ml
RT: 10.18 min Scan# 906
Delta R.T. -0.02 min
Lab File: D0207014.D
Acq: 2 Apr 2007 14:39

Tgt Ion: 95 Resp: 878840

Ion	Ratio	Lower	Upper
95	100		
97	64.3	51.4	77.0
130	87.9	73.4	110.2
132	84.1	70.5	105.7



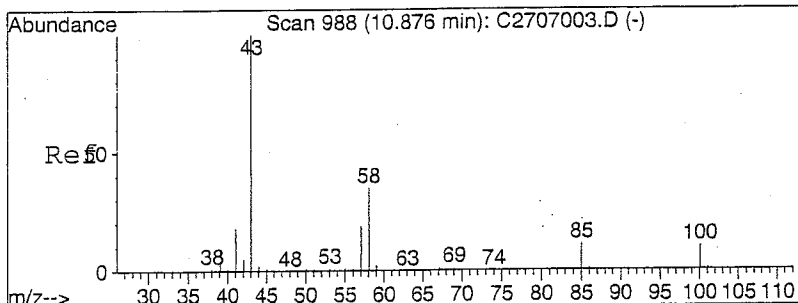
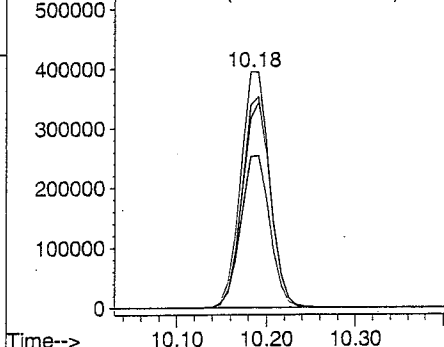
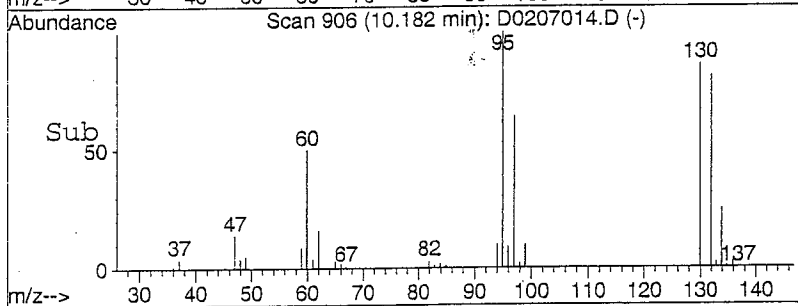
Abundance

Ion 95.00 (94.70 to 95.70): D02070

Ion 97.00 (96.70 to 97.70): D02070

Ion 130.00 (129.70 to 130.70): D02070

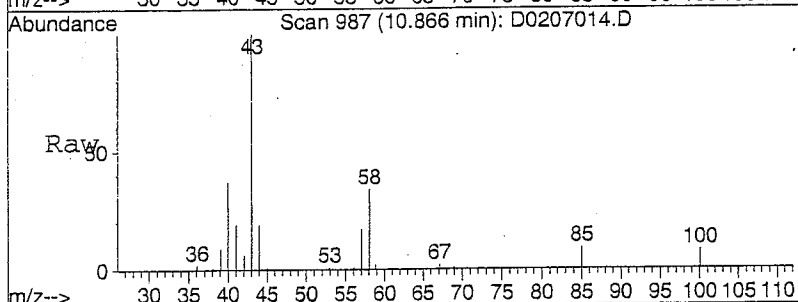
Ion 132.00 (131.70 to 132.70): D02070



#32
4-Methyl-2-Pentanone
Concen: 2.60 ng/ml
RT: 10.87 min Scan# 987
Delta R.T. -0.01 min
Lab File: D0207014.D
Acq: 2 Apr 2007 14:39

Tgt Ion: 43 Resp: 60148

Ion	Ratio	Lower	Upper
43	100		
58	33.7	24.7	45.9
85	8.7	7.8	14.6

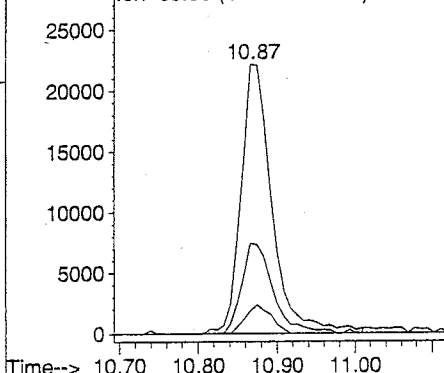
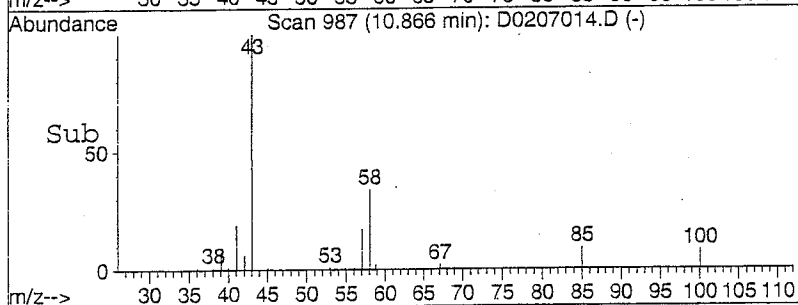


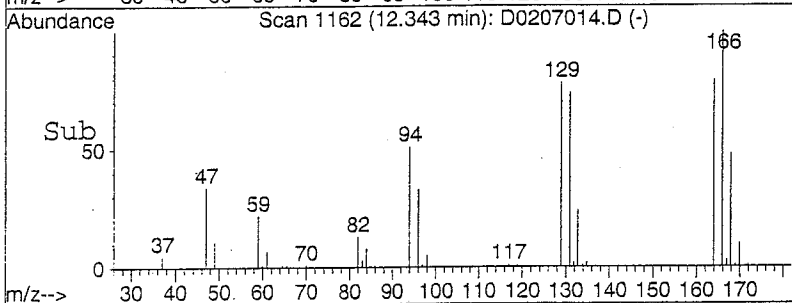
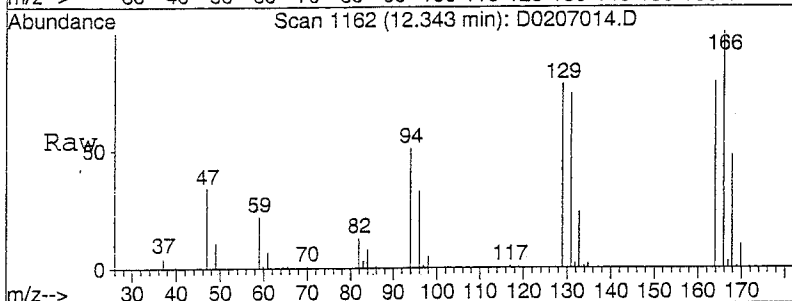
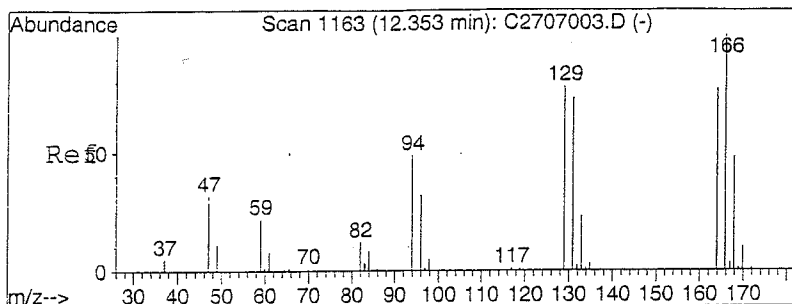
Abundance

Ion 42.95 (42.65 to 43.65): D02070

Ion 58.00 (57.70 to 58.70): D02070

Ion 85.00 (84.70 to 85.70): D02070

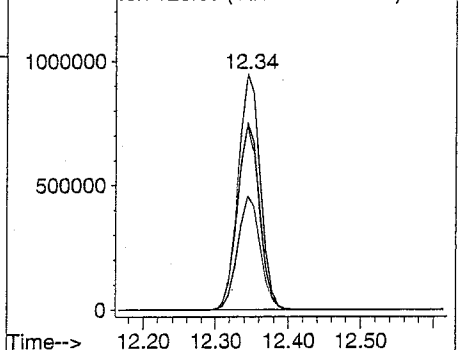




#41
Tetrachloroethene
Concen: 85.13 ng/ml
RT: 12.34 min Scan# 1162
Delta R.T. -0.01 min
Lab File: D0207014.D
Acq: 2 Apr 2007 14:39

Tgt Ion: 166 Resp: 1991731
Ion Ratio Lower Upper
166 100
164 78.7 54.8 101.8
168 48.0 33.7 62.7
129 77.4 53.6 99.5

Abundance Ion 165.80 (165.50 to 166.50): D020
1500000 Ion 163.85 (163.55 to 164.55): D020
Ion 167.80 (167.50 to 168.50): D020
Ion 128.80 (128.50 to 129.50): D020



Quantitation Report

Signal #1 : D:\HPCHEM\1\DATA\G1007\G1007025.D\FID1A.CH Vial: 21
 Signal #2 : D:\HPCHEM\1\DATA\G1007\G1007025.D\FID2B.CH
 Acq On : 11 Jul 2007 3:28 Operator: kmt
 Sample : BQG0003-05 Inst : GC-10
 Misc : 1x 5mL Multiplr: 1.00
 IntFile Signal #1: TPH.E IntFile Signal #2: SURR2.E
 Quant Time: Jul 11 3:51 2007 Quant Results File: 10G0907.RES

Quant Method : D:\HPCHEM\1\METHODS\10G0907.M (Chemstation Integrator)
 Title : TPH-G/BTEX 8015/8021 Method
 Last Update : Tue Jul 10 09:57:40 2007
 Response via : Multiple Level Calibration
 DataAcq Meth : 10G0907.M

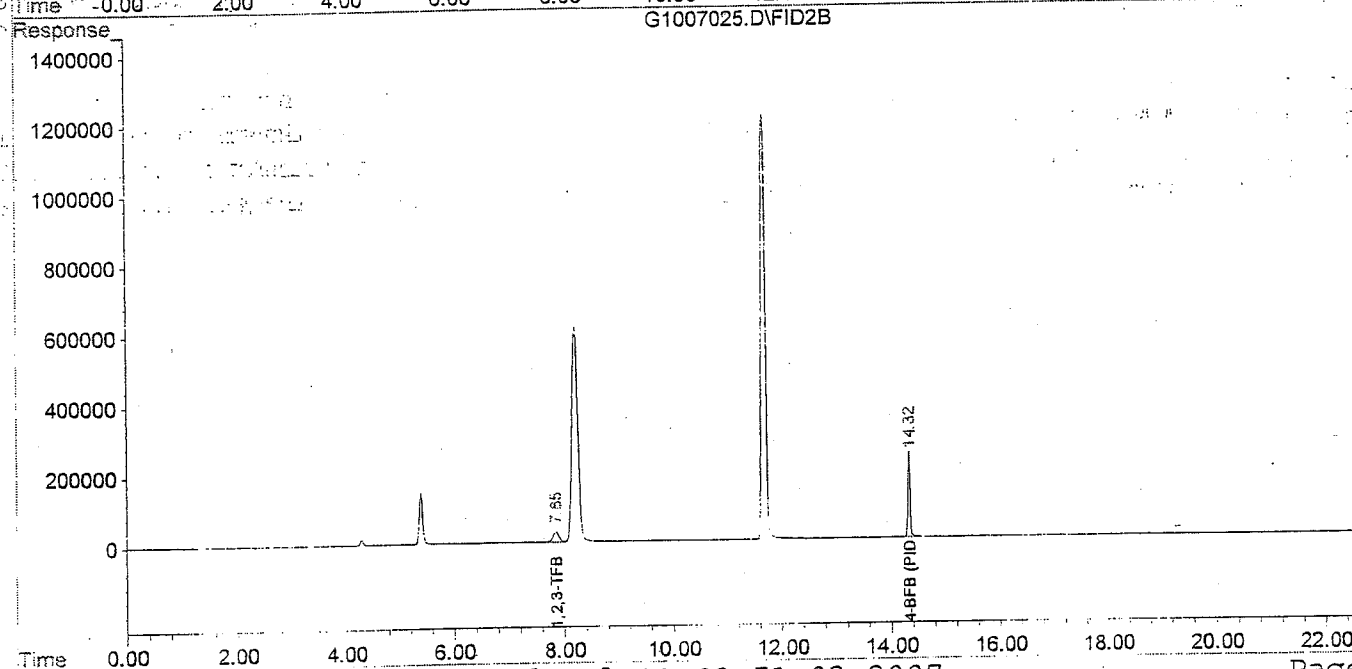
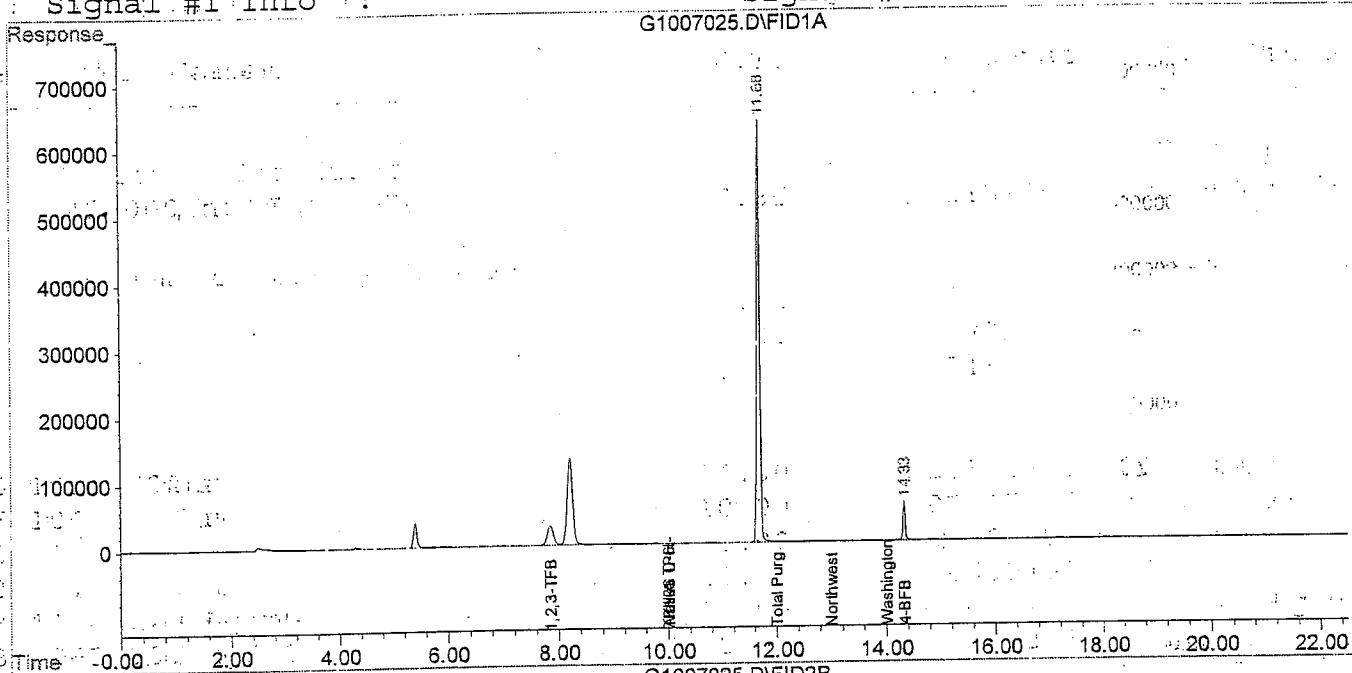
Volume Inj. : 1.0

Signal #1 Phase :

Signal #2 Phase :

Signal #1 Info :

Signal #2 Info :



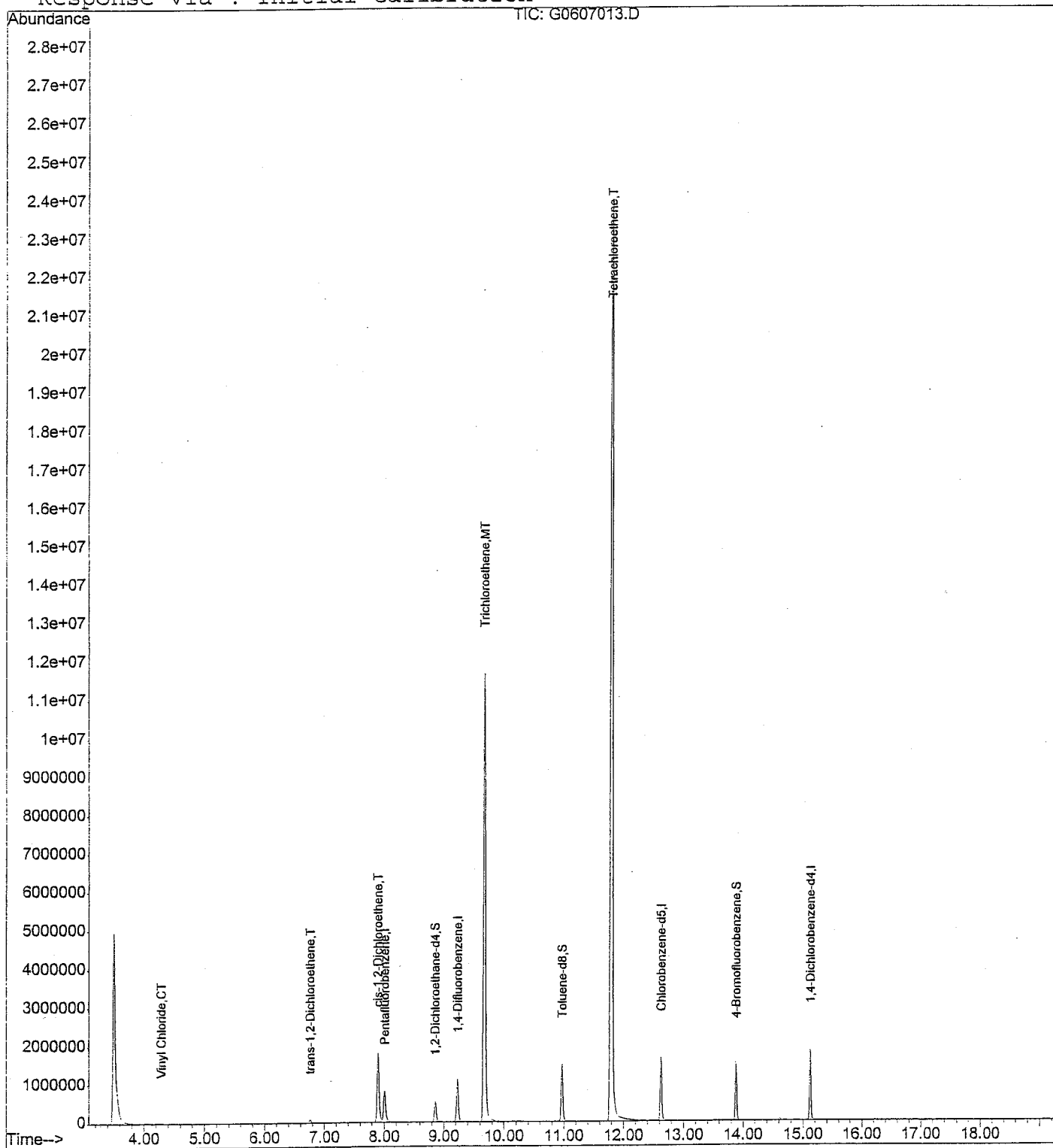
Quantitation Report

Data File : F:\HPCHEM\1\DATA\070607\G0607013.D
 Acq On : 6 Jul 2007 3:09 pm
 Sample : BQG0003-05
 Misc : 1x 10ml water D
 MS Integration Params: RTEINT.P
 Quant Time: Jul 9 19:46 2007

Vial: 12
 Operator: JZ
 Inst : MS-15
 Multiplr: 1.00

Quant Results File: VOG0507.RES

Method : F:\HPCHEM\1\METHODS\VOG0507.M (RTE Integrator)
 Title : 8260/624 Full Scan
 Last Update : Fri Jul 06 18:48:00 2007
 Response via : Initial Calibration



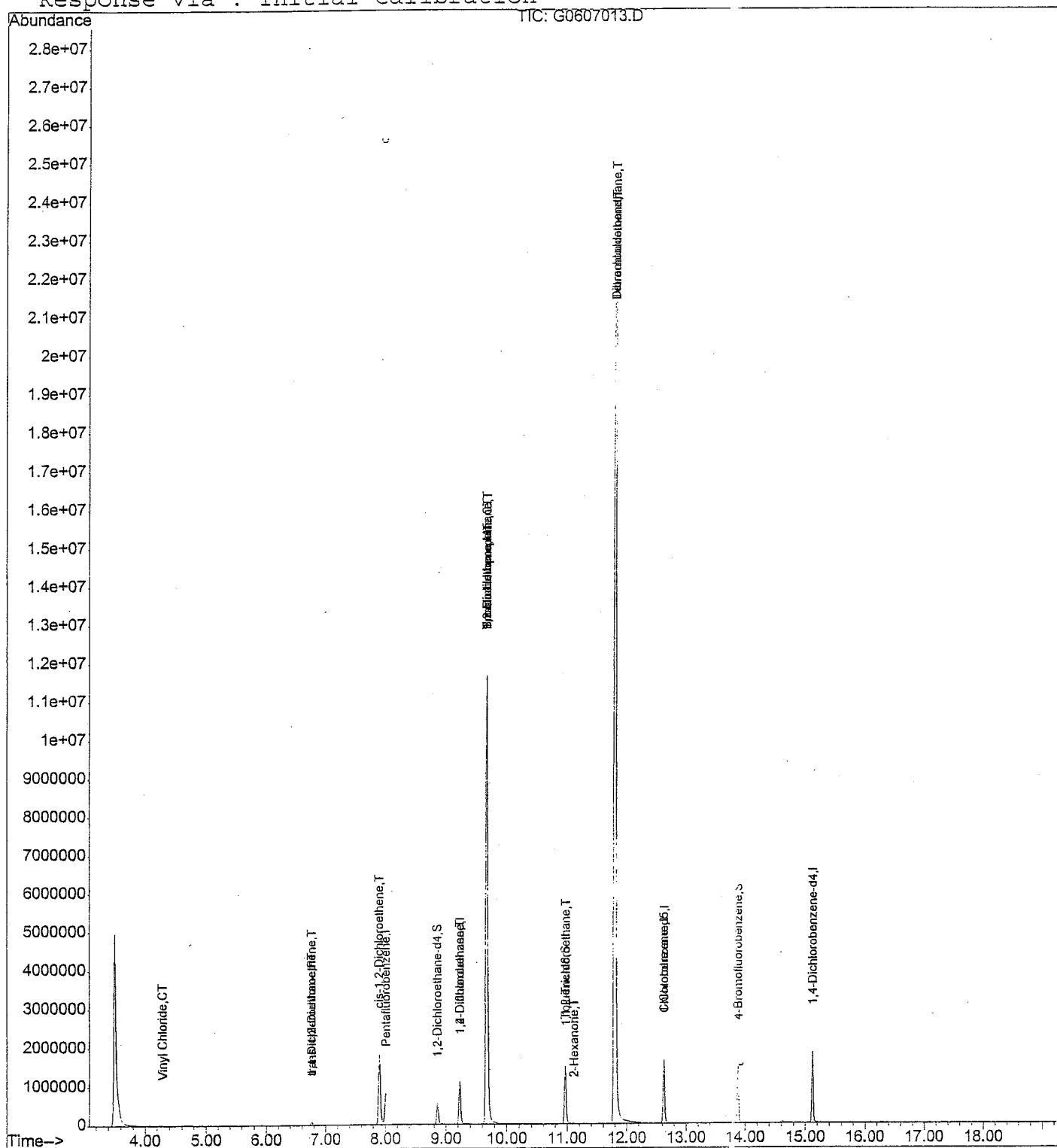
Quantitation Report

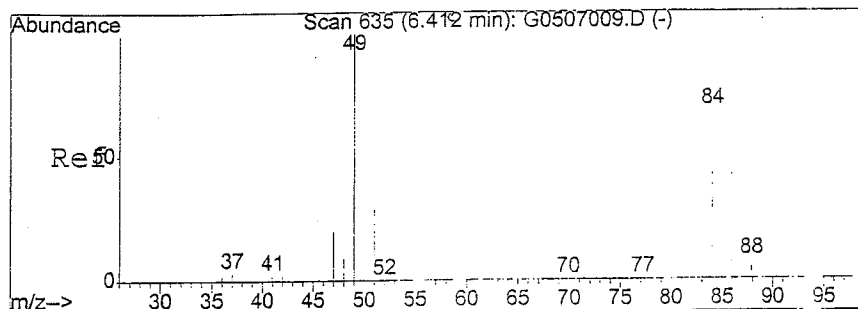
Data File : F:\HPCHEM\1\DATA\070607\G0607013.D
 Acq On : 6 Jul 2007 3:09 pm
 Sample : BQG0003-05
 Misc : 1x 10ml water D
 MS Integration Params: RTEINT.P
 Quant Time: Jul 6 15:28 2007

Vial: 12
 Operator: JZ
 Inst : MS-15
 Multiplr: 1.00

Quant Results File: VOG0507.RES

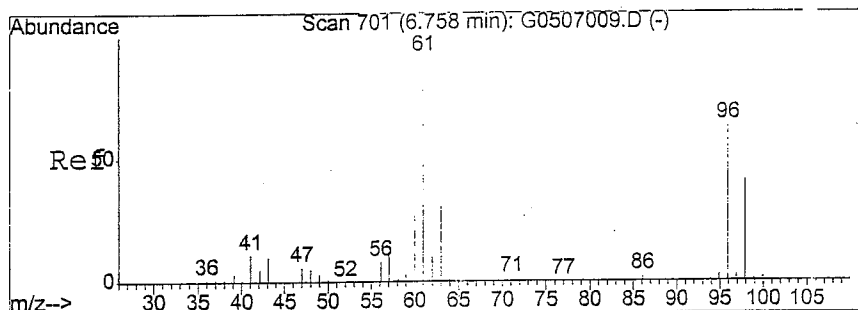
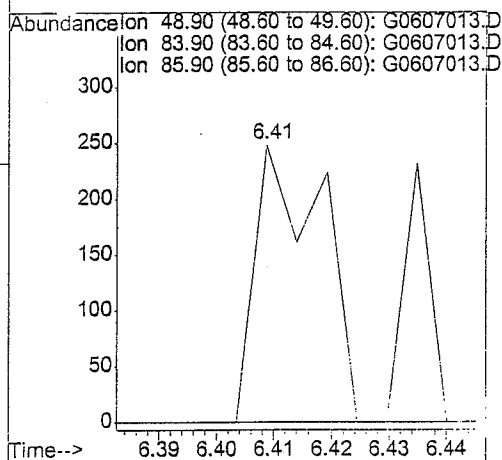
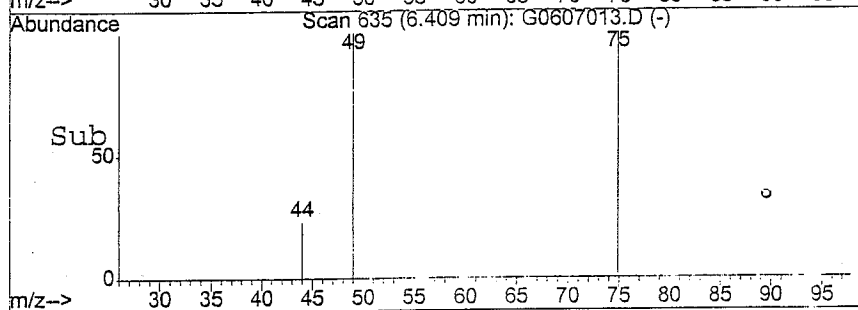
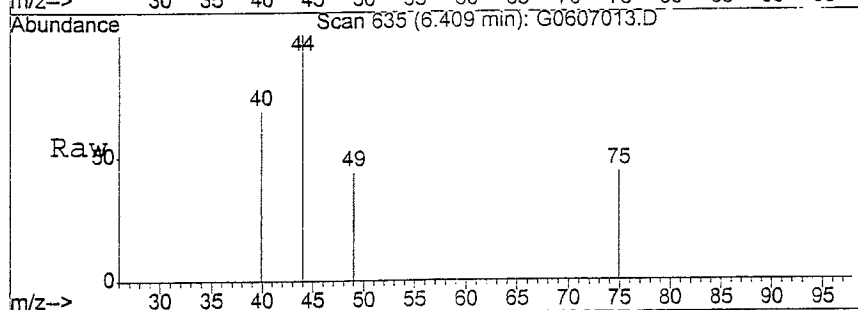
Method : F:\HPCHEM\1\METHODS\VOG0507.M (RTE Integrator)
 Title : 8260/624 Full Scan
 Last Update : Fri Jul 06 18:48:00 2007
 Response via : Initial Calibration





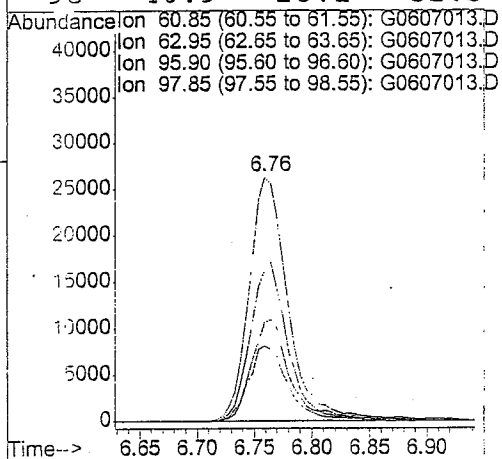
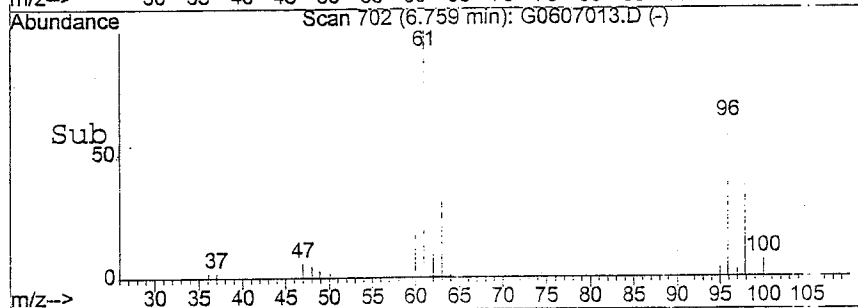
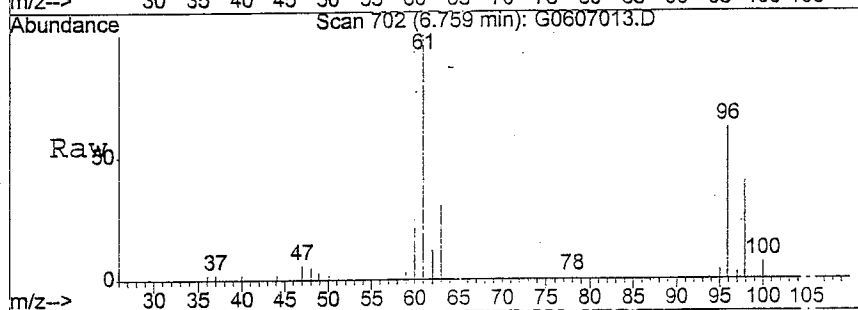
#10
Methylene Chloride
Concen: Below Cal
RT: 6.41 min Scan# 635
Delta R.T. -0.00 min
Lab File: G0607013.D
Acq: 6 Jul 2007 3:09 pm

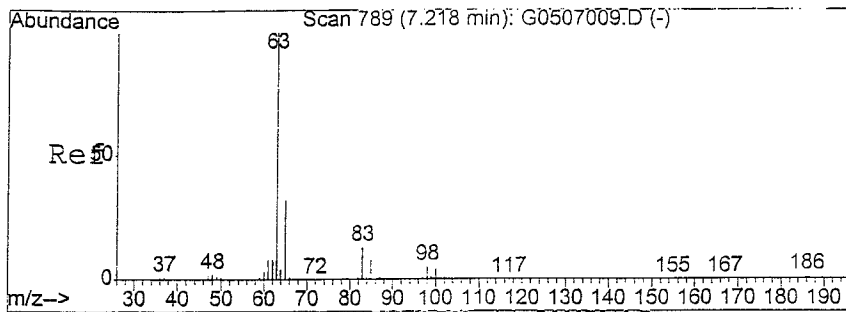
Tgt Ion	Ratio	Lower	Upper
49	100		
84	0.0	47.8	88.8#
86	0.0	30.9	57.3#



#13
trans-1,2-Dichloroethene
Concen: 3.94 ng/mL
RT: 6.76 min Scan# 702
Delta R.T. 0.00 min
Lab File: G0607013.D
Acq: 6 Jul 2007 3:09 pm

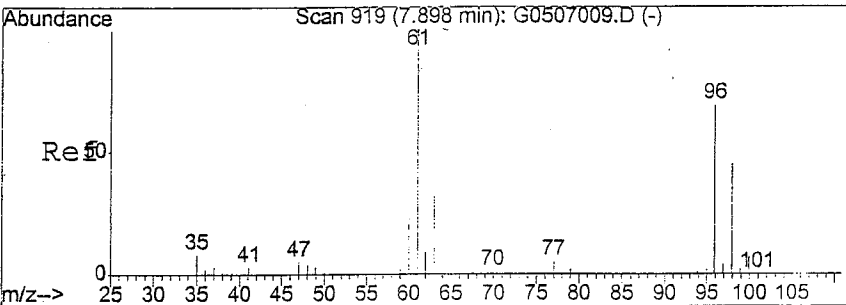
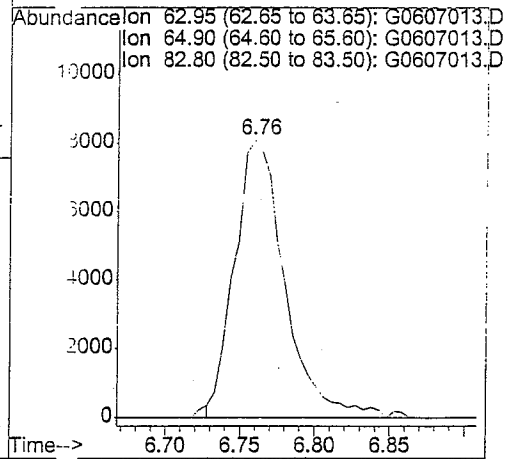
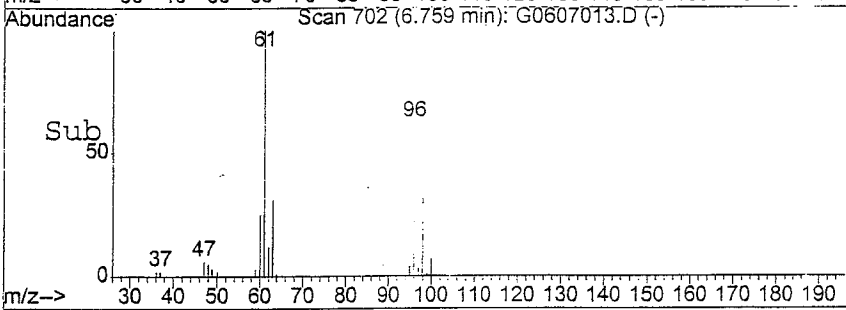
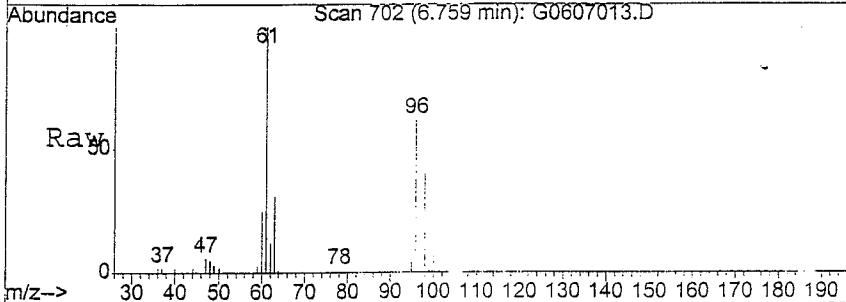
Tgt Ion	Ratio	Lower	Upper
61	100		
63	30.9	21.6	40.2
96	63.6	43.9	81.5
98	40.9	28.1	52.3





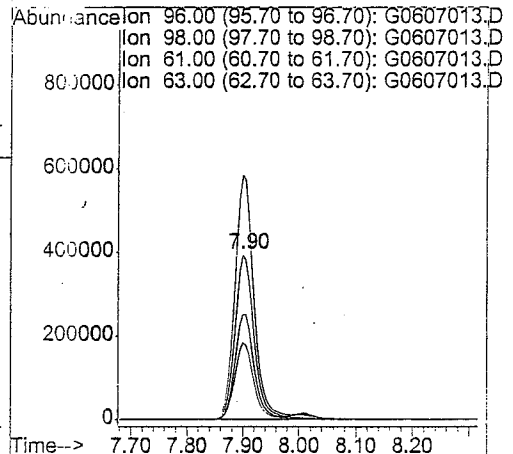
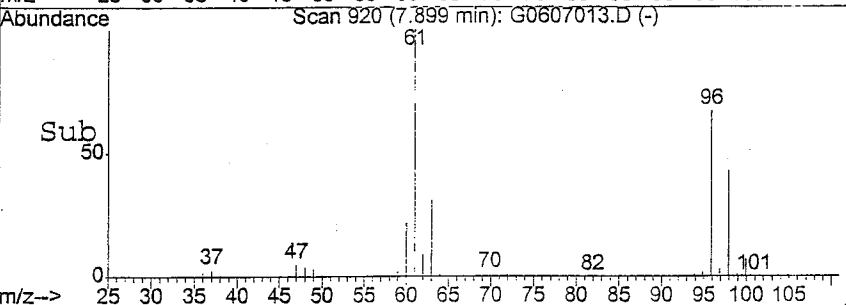
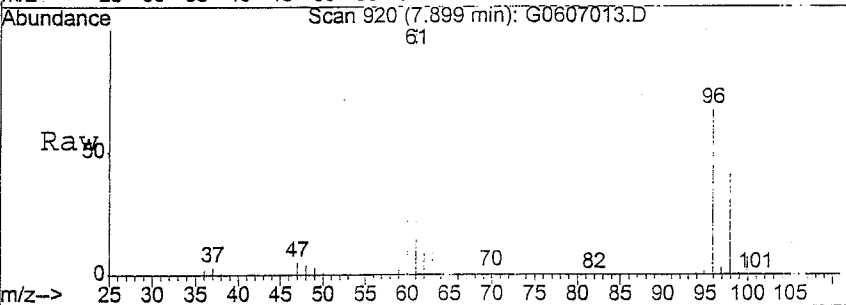
#15
 1,1-Dichloroethane
 Concen: 1.00 ng/mL
 RT: 6.76 min Scan# 702
 Delta R.T. -0.46 min
 Lab File: G0607013.D
 Acq: 6 Jul 2007 3:09 pm

Tgt Ion: 63 Resp: 18990
 Ion Ratio Lower Upper
 63 100
 65 0.0 22.5 41.9#
 83 0.0 8.9 16.5#



#18
 cis-1,2-Dichloroethene
 Concen: 87.77 ng/mL
 RT: 7.90 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: G0607013.D
 Acq: 6 Jul 2007 3:09 pm

Tgt Ion: 96 Resp: 949421
 Ion Ratio Lower Upper
 96 100
 93 63.2 44.8 83.2
 61 145.9 108.7 201.9
 63 46.4 39.3 58.9



Data File : G:\HPCHEM\1\DATA\JULY2007\070607\G0607021.D Vial: 2
Acq On : 6 Jul 2007 7:05 pm Operator: JZ
Sample : BQG0003-05RE1 Inst : MS-15
Misc : 40x 0.25ml water E Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 4 7:49 2007

Quant Results File: VOG0507.RES

Quant Method : G:\HPCHEM\1\METHODS\VOG0507.M (RTE Integrator)
Title : 8260/624 Full Scan
Last Update : Fri Jul 06 18:48:00 2007
Response via : Initial Calibration
DataAcq Meth : VOG0507

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.01	168	722391	20.00	ng/mL	0.00
23) 1,4-Difluorobenzene	9.23	114	1024973	20.00	ng/mL	0.00
34) Chlorobenzene-d5	12.63	117	962743	20.00	ng/mL	0.00
53) 1,4-Dichlorobenzene-d4	15.12	152	492317	20.00	ng/mL	0.00
System Monitoring Compounds						
25) 1,2-Dichloroethane-d4	8.86	65	498065	23.15	ng/mL	0.00
Spiked Amount	20.000	Range	70 - 130	Recovery	=	115.75%
35) Toluene-d8	10.97	98	1224697	19.64	ng/mL	0.00
Spiked Amount	20.000	Range	70 - 130	Recovery	=	98.20%
55) 4-Bromofluorobenzene	13.88	174	439132	20.09	ng/mL	0.00
Spiked Amount	20.000	Range	70 - 130	Recovery	=	100.45%
Target Compounds						
18) cis-1,2-Dichloroethene	7.90	96	24622	2.40	ng/mL	95
28) Trichloroethene	9.67	95	156670	15.09	ng/mL	98
41) Tetrachloroethene	11.79	166	490160	47.52	ng/mL	99

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

Quantitation Report

Data File : G:\HPCHEM\1\DATA\JULY2007\070607\G0607021.D Vial: 2
 Acq On : 6 Jul 2007 7:05 pm Operator: JZ
 Sample : BQG0003-05RE1 Inst : MS-15
 Misc : 40x 0.25ml water E Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 4 7:49 2007

Quant Results File: VOG0507.RES

Method : G:\HPCHEM\1\METHODS\VOG0507.M (RTE Integrator)
 Title : 8260/624 Full Scan
 Last Update : Fri Jul 06 18:48:00 2007
 Response via : Initial Calibration

