

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052019\
 Data File : VX009727.D
 Acq On : 20 May 2019 15:39
 Operator : JC/SP
 Sample : K2952-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-778-780

Quant Time: May 21 07:41:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	171610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274424	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	240735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99862	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	115852	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
35) Dibromofluoromethane	5.50	113	83908	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	8.71	98	348922	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.13	95	111082	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	

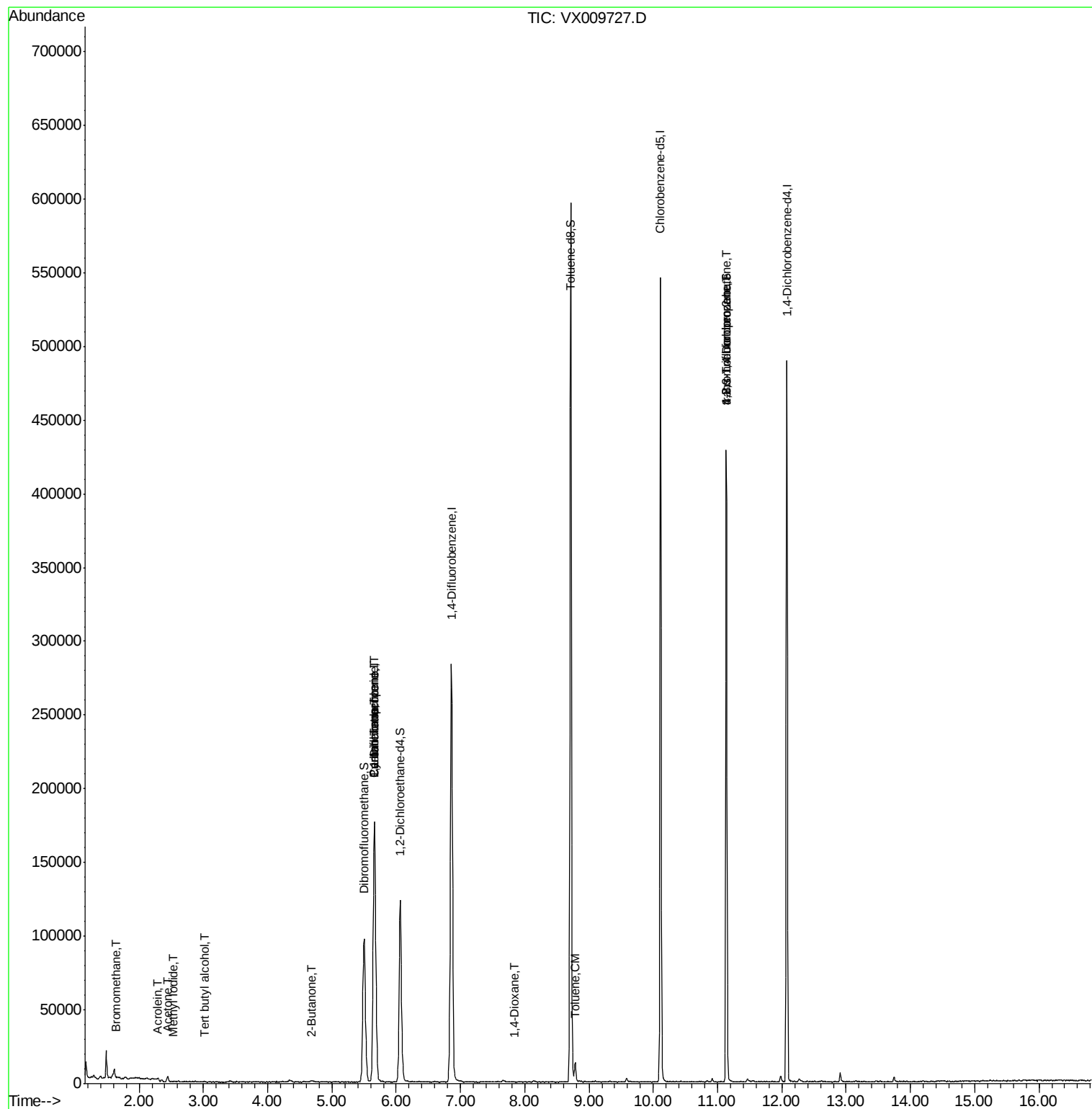
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	267	0.211	ug/l	83
10) Methyl Iodide	2.52	142	49	4.618	ug/l #	42
11) Tert butyl alcohol	3.02	59	190	0.350	ug/l #	73
13) Acrolein	2.29	56	226	0.460	ug/l #	74
16) Acetone	2.45	43	4111	3.268	ug/l	98
25) 2-Butanone	4.68	43	778	0.398	ug/l #	75
28) Bromochloromethane	5.03	49	21	Below Cal	#	20
31) Cyclohexane	5.67	56	3992	1.153	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13481	5.286	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16107	6.951	ug/l #	15
49) 1,4-Dioxane	7.85	88	43	0.752	ug/l #	55
52) Toluene	8.79	92	4186	0.873	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	57847	24.972	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57847	63.895	ug/l #	10

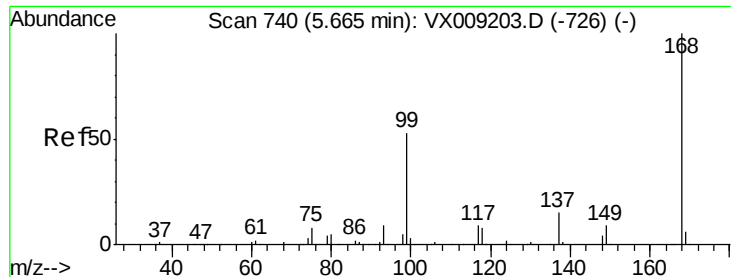
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009727.D

Acq: 20 May 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

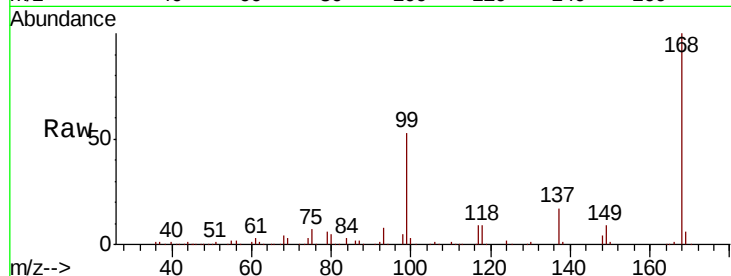
BP-VPB202-GW-778-780

Tot Ion:168 Resp: 171610

Ion Ratio Lower Upper

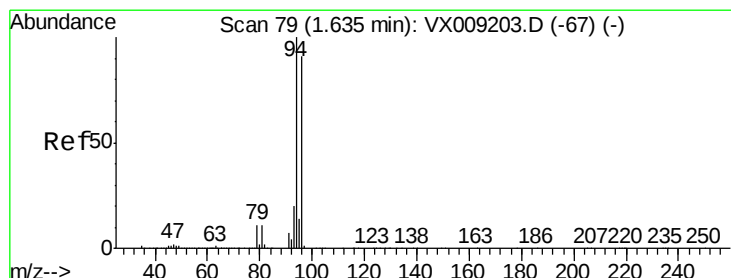
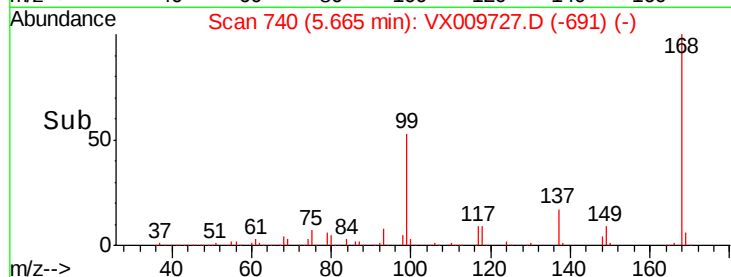
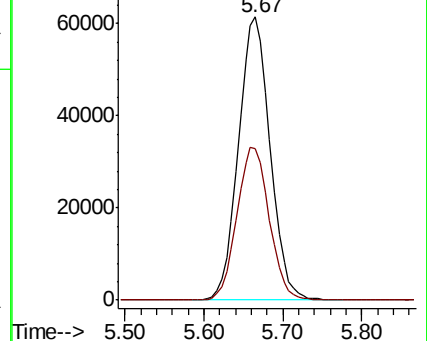
168 100

99 53.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.211 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009727.D

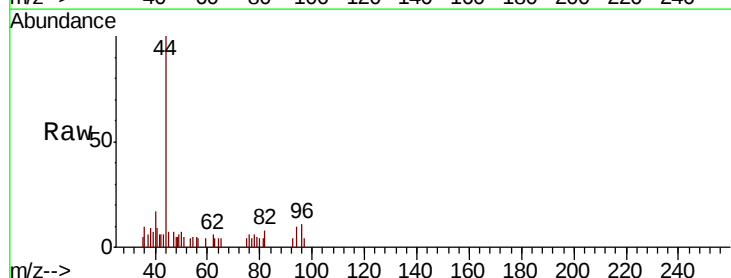
Acq: 20 May 2019 15:39

Tgt Ion: 94 Resp: 267

Ion Ratio Lower Upper

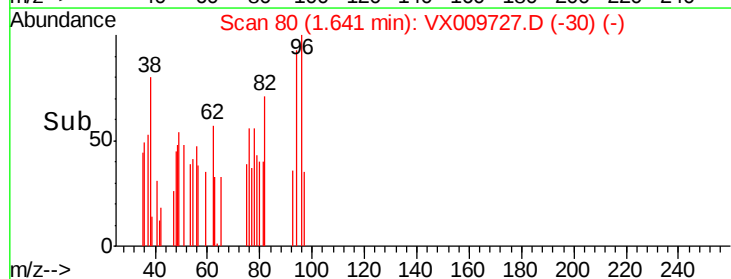
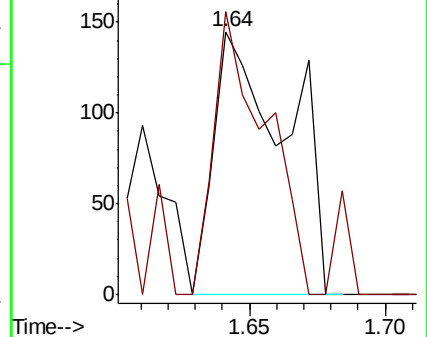
94 100

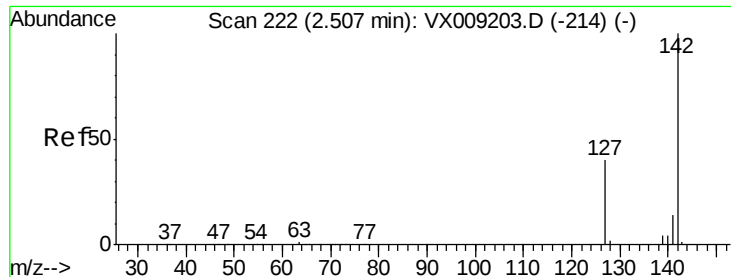
96 107.6 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

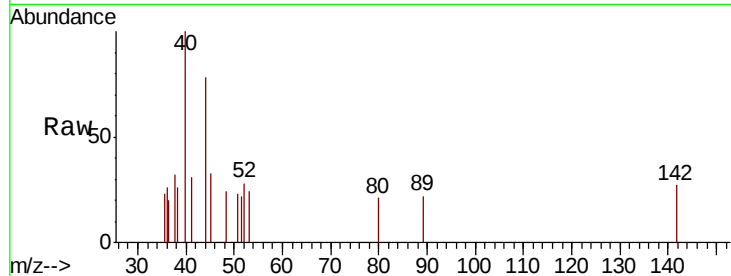




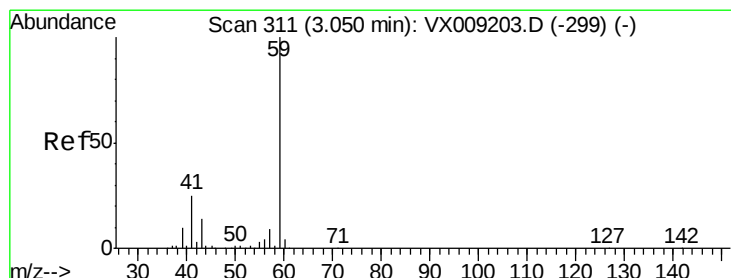
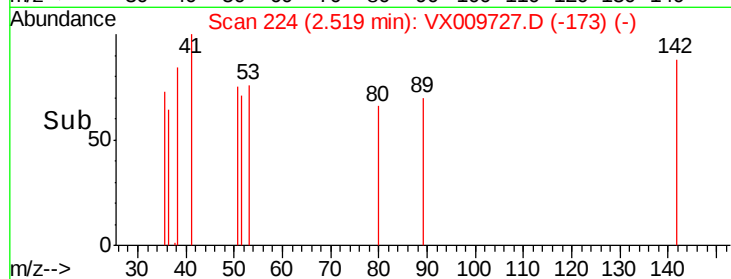
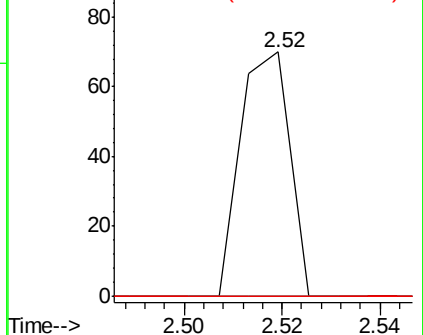
#10
Methyl Iodide
Concen: 4.618 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009727.D
Acq: 20 May 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-778-780

Tot Ion:142 Resp: 49
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

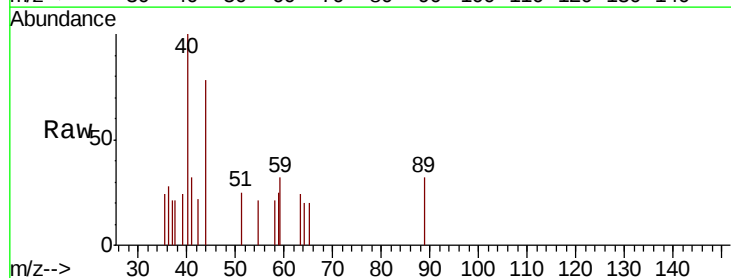


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

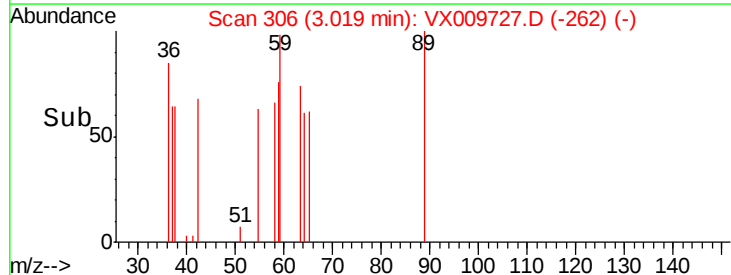
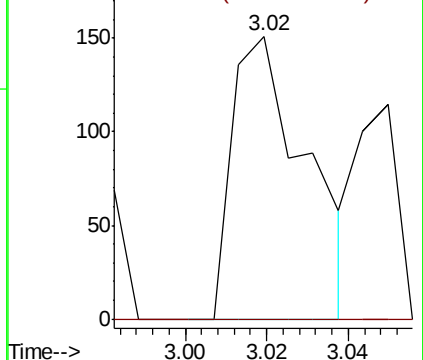


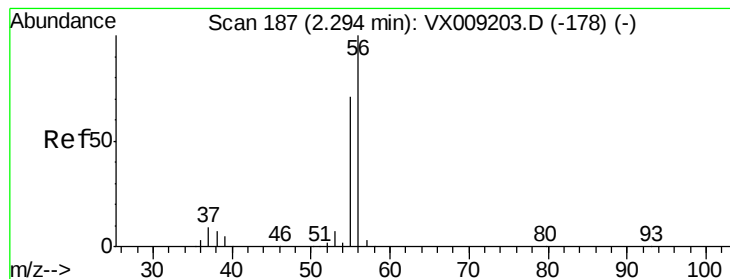
#11
Tert butyl alcohol
Concen: 0.350 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009727.D
Acq: 20 May 2019 15:39

Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.460 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009727.D

Acq: 20 May 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

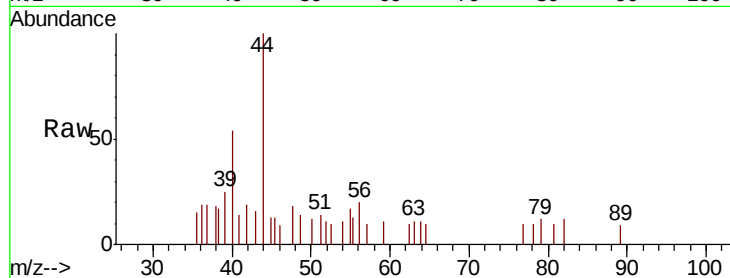
BP-VPB202-GW-778-780

Tot Ion: 56 Resp: 226

Ion Ratio Lower Upper

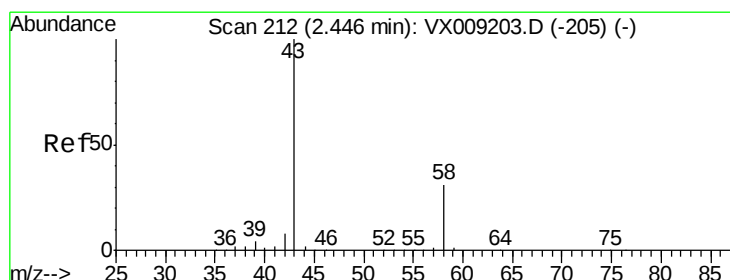
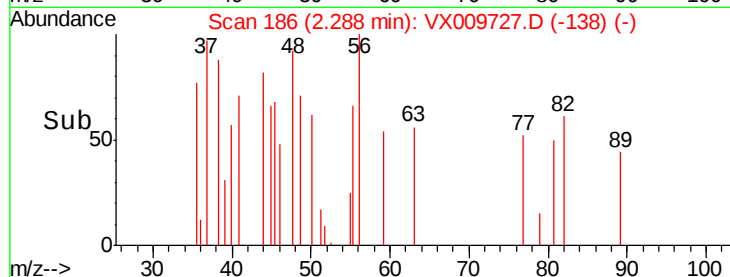
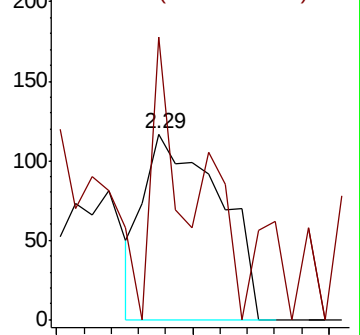
56 100

55 49.6 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.268 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009727.D

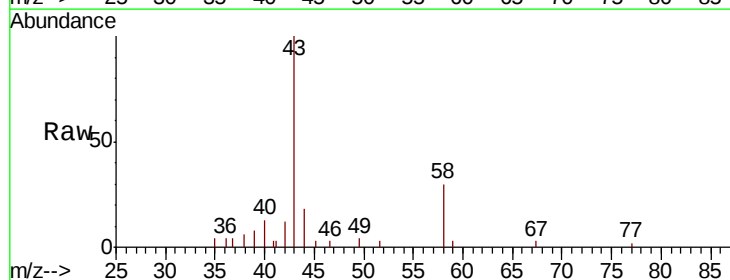
Acq: 20 May 2019 15:39

Tgt Ion: 43 Resp: 4111

Ion Ratio Lower Upper

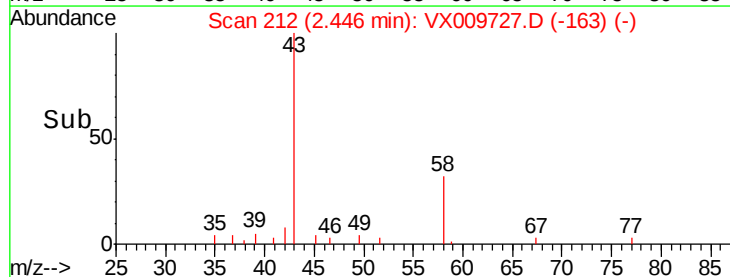
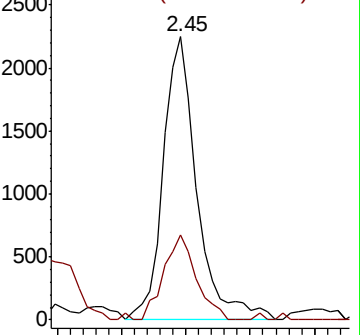
43 100

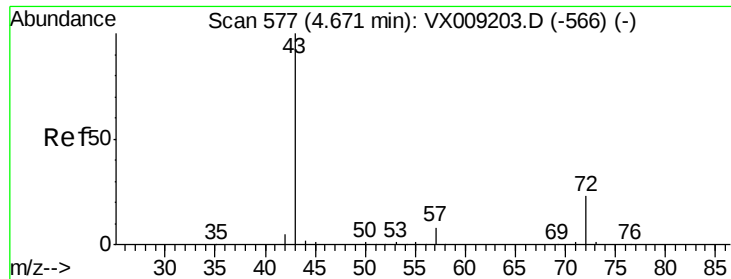
58 30.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.398 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009727.D

Acq: 20 May 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

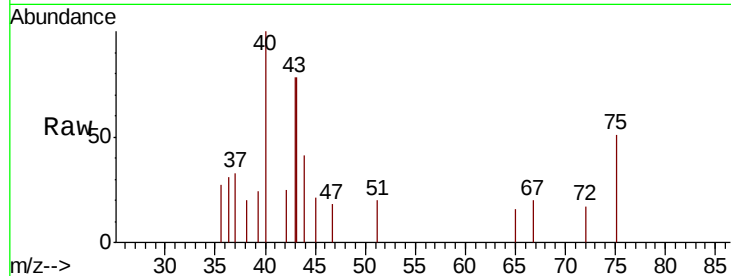
BP-VPB202-GW-778-780

Tot Ion: 43 Resp: 778

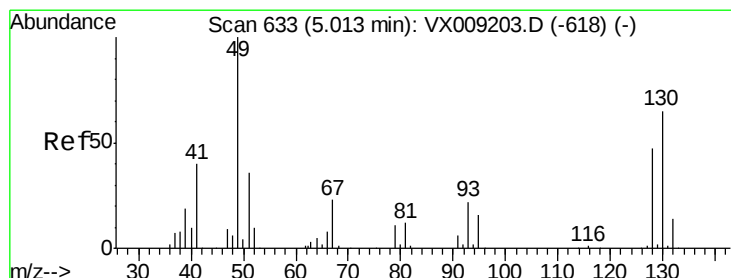
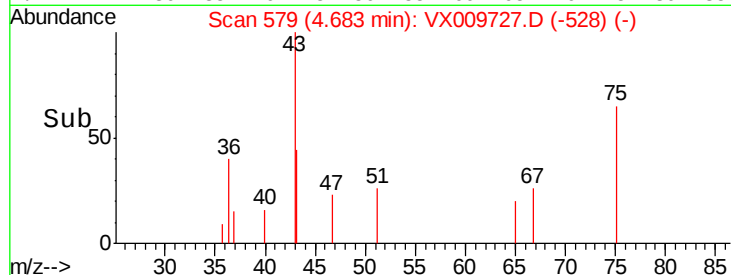
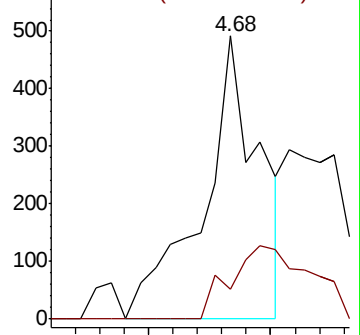
Ion Ratio Lower Upper

43 100

72 10.6 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX009727.D

Acq: 20 May 2019 15:39

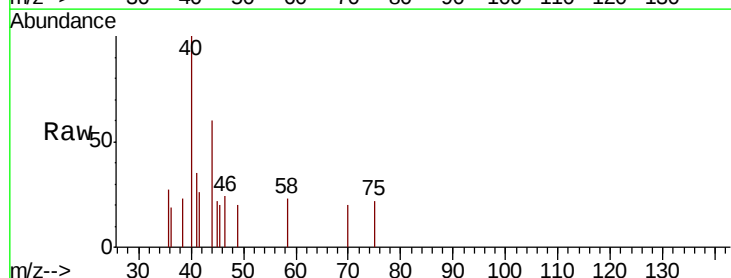
Tgt Ion: 49 Resp: 21

Ion Ratio Lower Upper

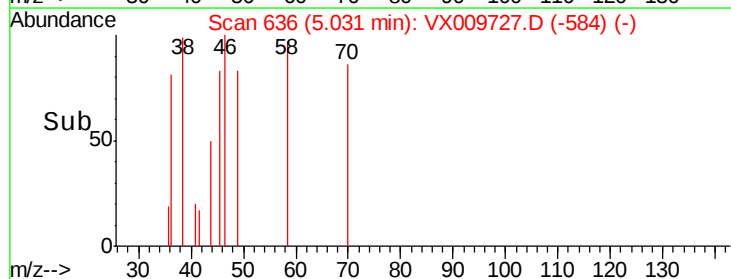
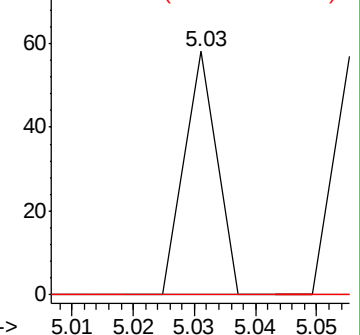
49 100

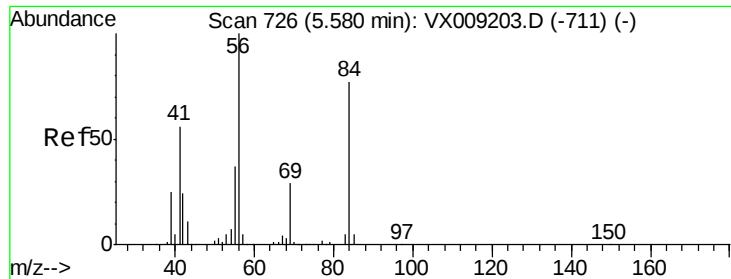
129 0.0 0.0 3.8

130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

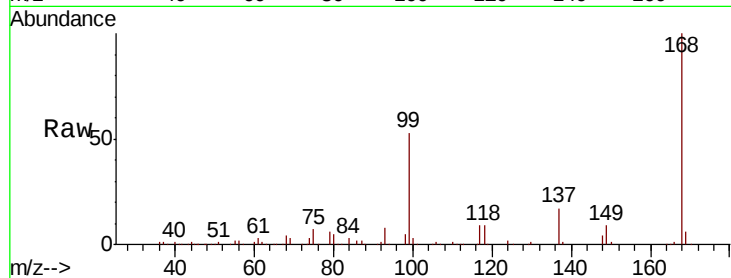




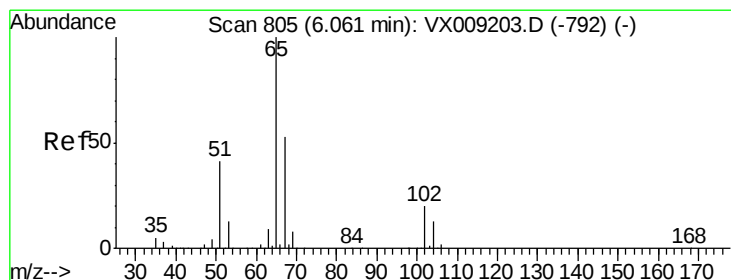
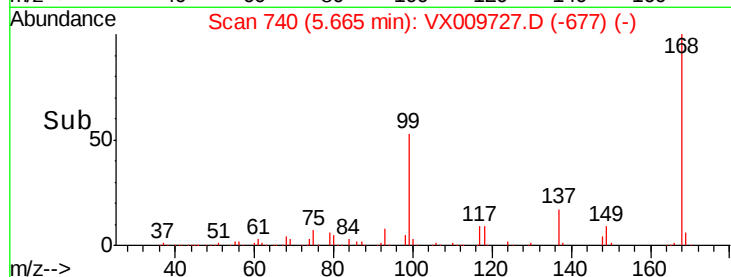
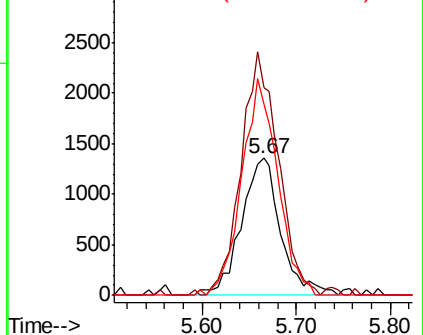
#31
Cyclohexane
Concen: 1.153 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009727.D
Acq: 20 May 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-778-780

Tot Ion	Ratio	Lower	Upper
56	100		
69	151.6	23.4	35.0#
84	139.5	61.9	92.9#

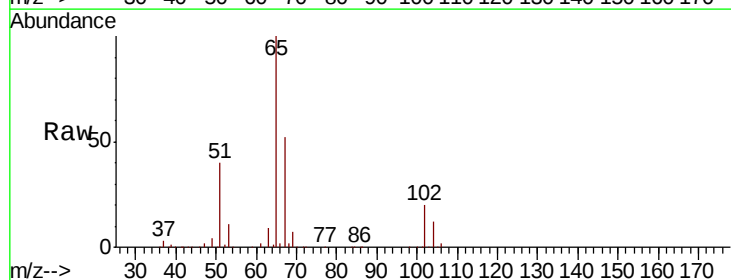


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

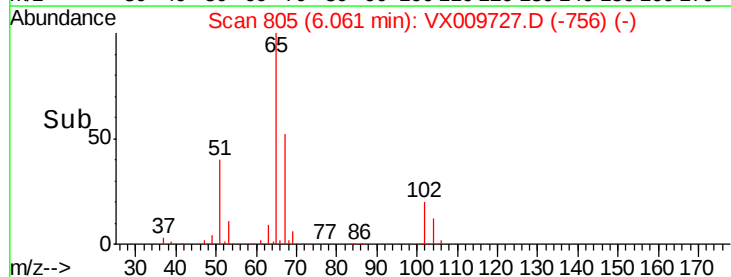
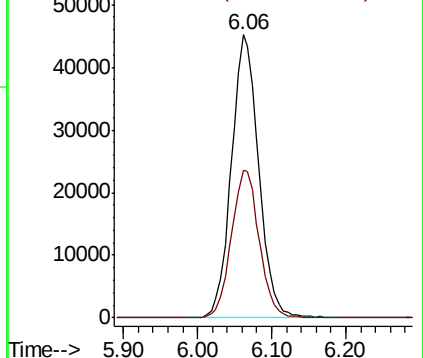


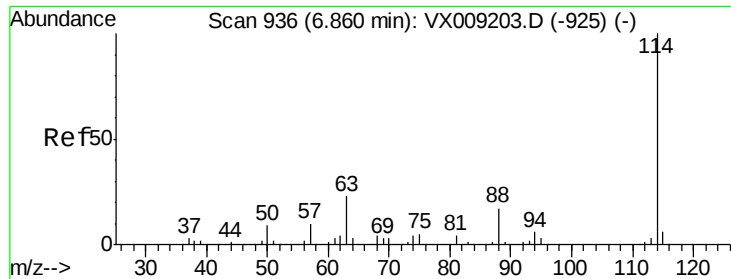
#33
1,2-Dichloroethane-d4
Concen: 49.453 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009727.D
Acq: 20 May 2019 15:39

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

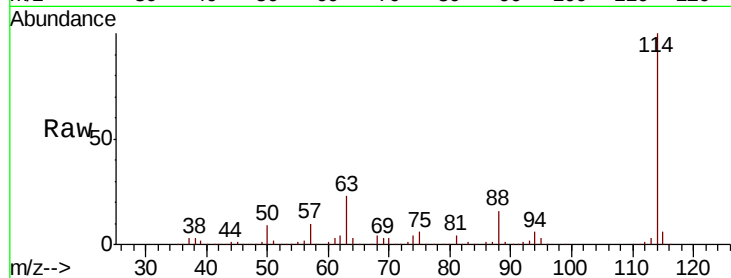




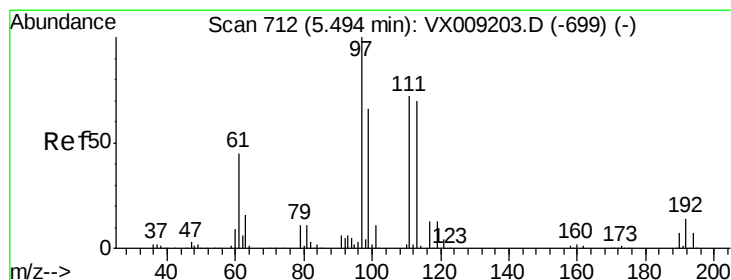
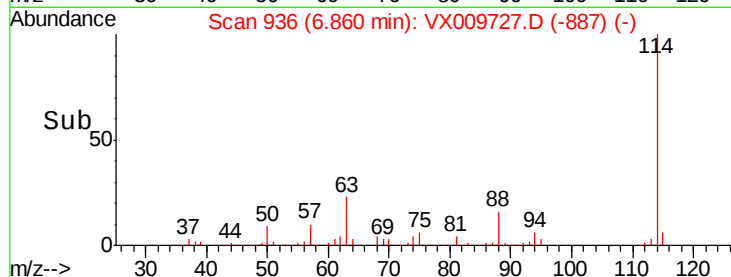
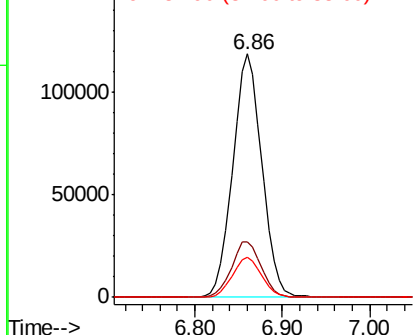
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009727.D
 Acq: 20 May 2019 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-778-780

Tot Ion:114 Resp: 274424
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 16.2 0.0 33.2

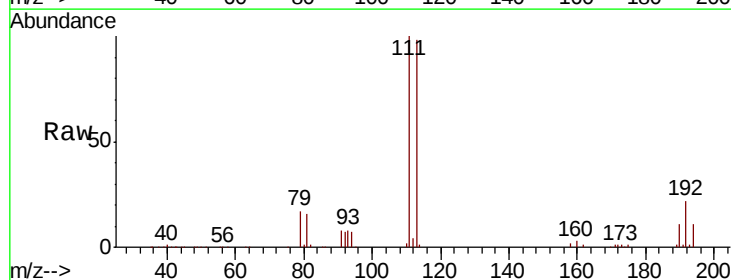


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

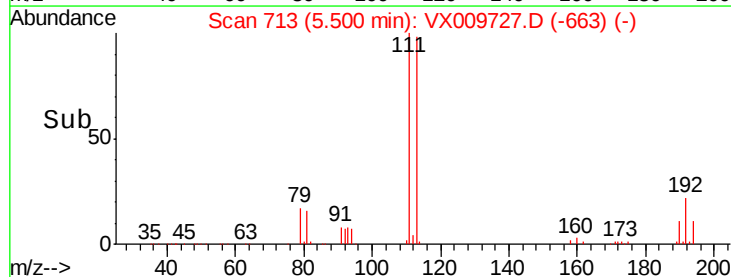
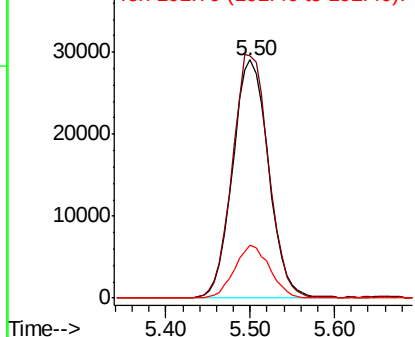


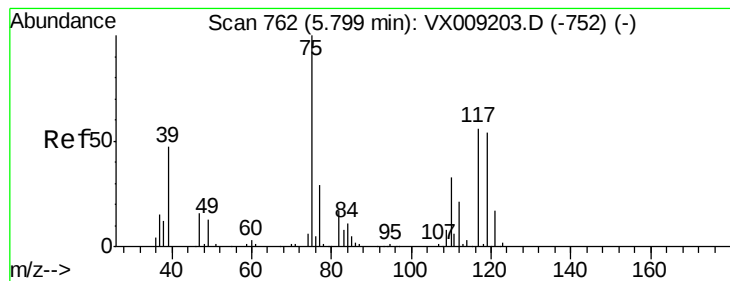
#35
 Dibromofluoromethane
 Concen: 48.638 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009727.D
 Acq: 20 May 2019 15:39

Tgt Ion:113 Resp: 83908
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.8 124.2
 192 21.8 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.286 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009727.D

Acq: 20 May 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-778-780

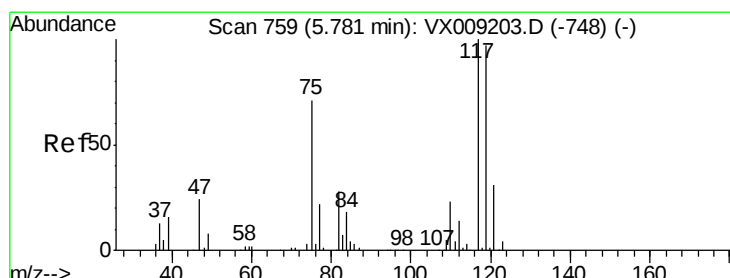
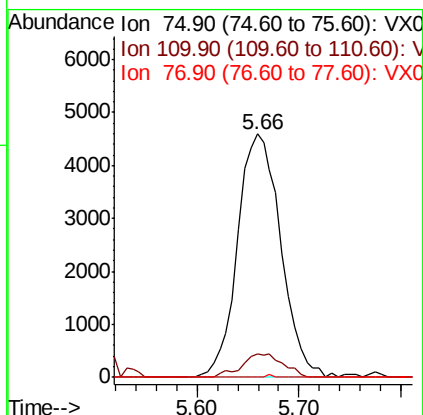
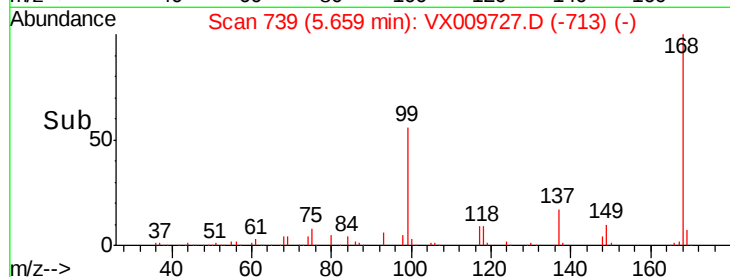
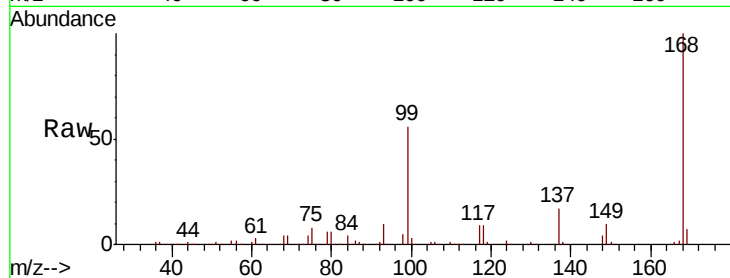
Tot Ion: 75 Resp: 13481

Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.6#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.951 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009727.D

Acq: 20 May 2019 15:39

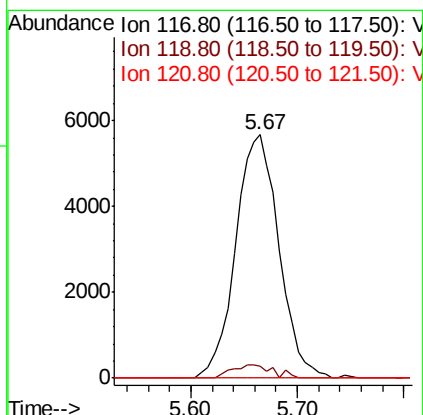
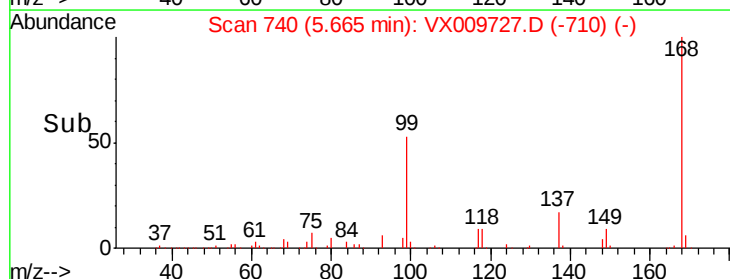
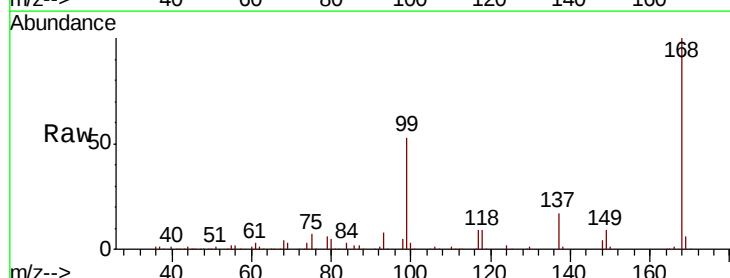
Tgt Ion: 117 Resp: 16107

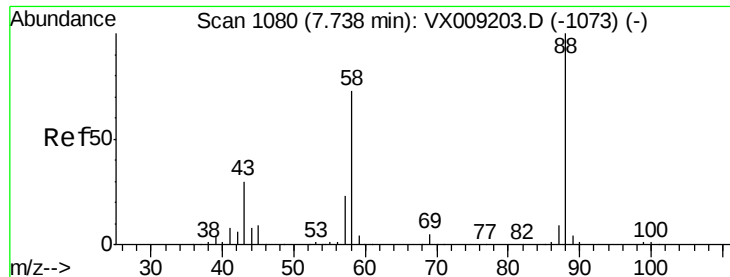
Ion Ratio Lower Upper

117 100

119 4.7 77.5 116.3#

121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 0.752 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. 0.11 min

Lab File: VX009727.D

Acq: 20 May 2019 15:39

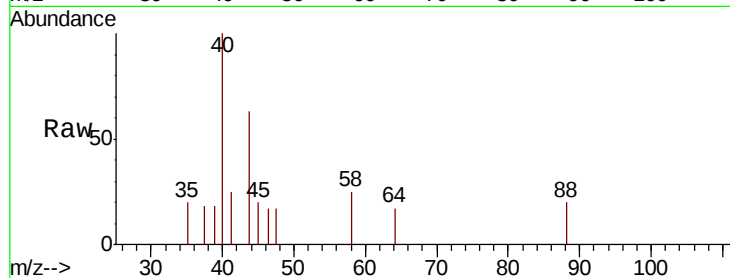
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-778-780

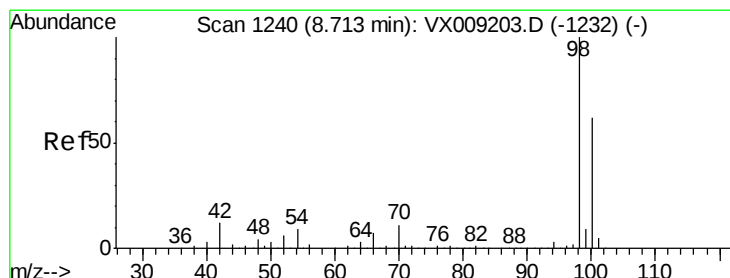
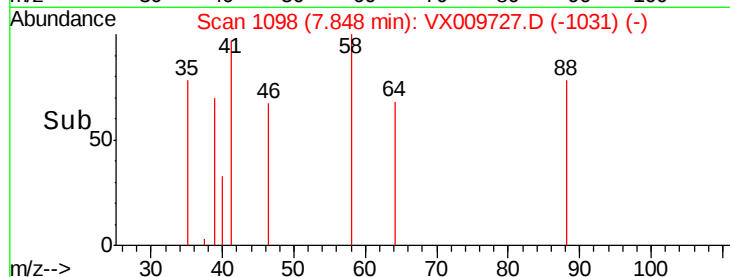
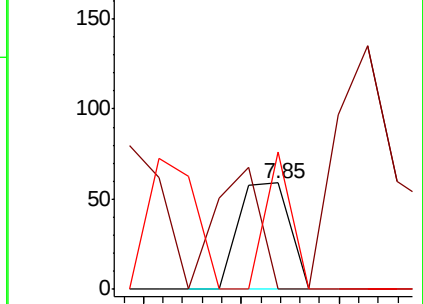
Tot Ion:	88	Resp:	43
Ion	Ratio	Lower	Upper
88	100		
43	102.3	28.6	42.8#
58	65.1	61.7	92.5



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.098 ug/l

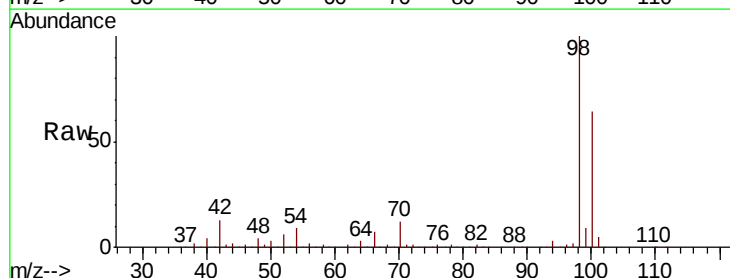
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009727.D

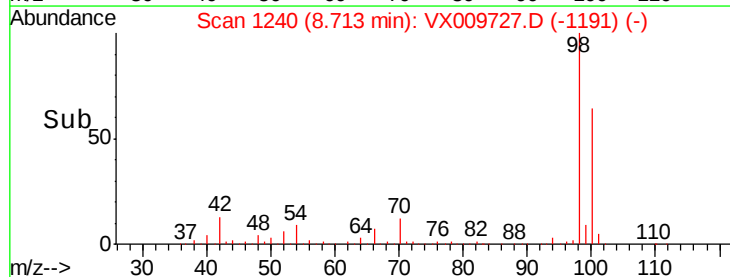
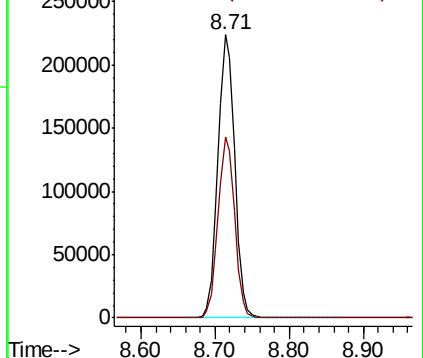
Acq: 20 May 2019 15:39

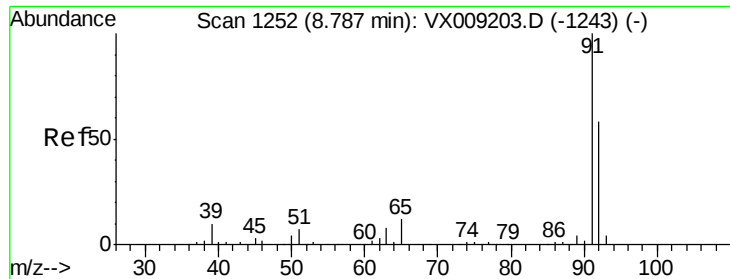
Tgt Ion:	98	Resp:	348922
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.873 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009727.D

Acq: 20 May 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

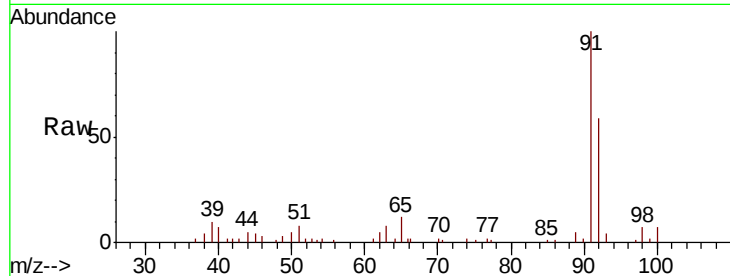
BP-VPB202-GW-778-780

Tot Ion: 92 Resp: 4186

Ion Ratio Lower Upper

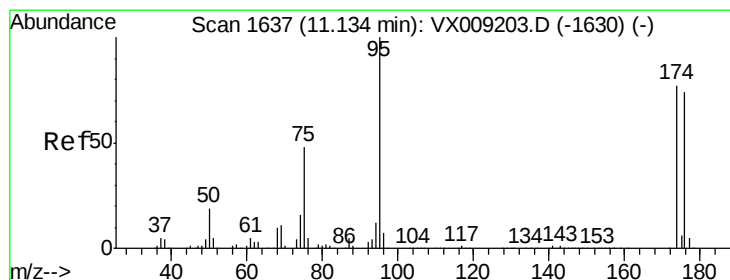
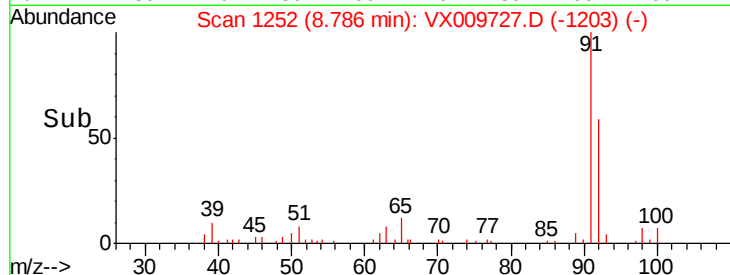
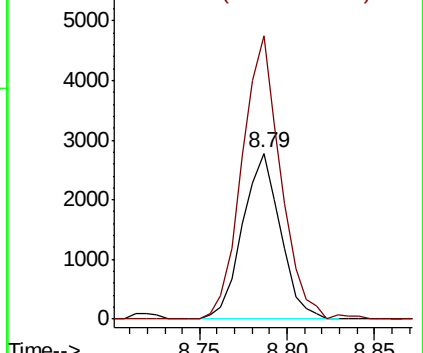
92 100

91 173.8 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.893 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009727.D

Acq: 20 May 2019 15:39

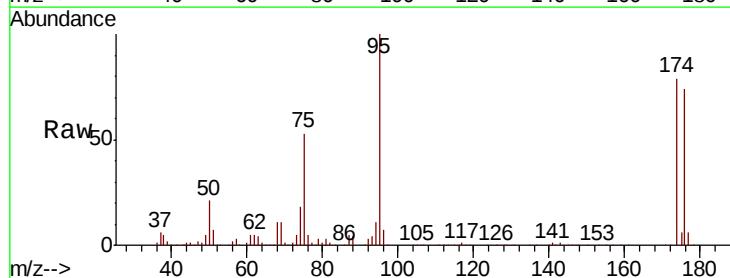
Tgt Ion: 95 Resp: 111082

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

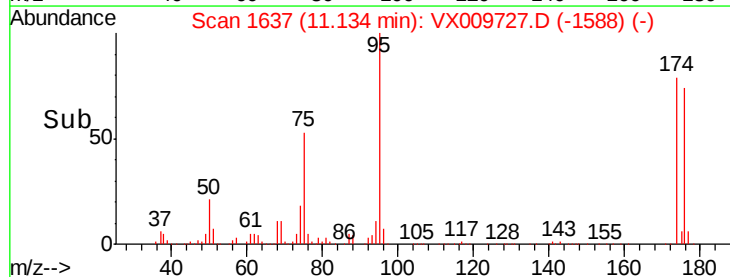
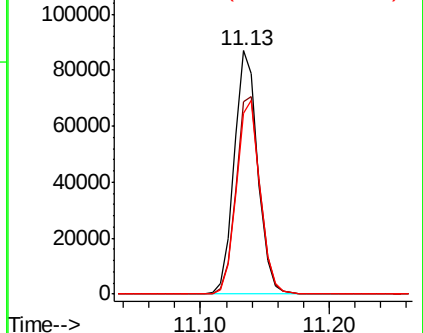
176 80.0 0.0 159.2

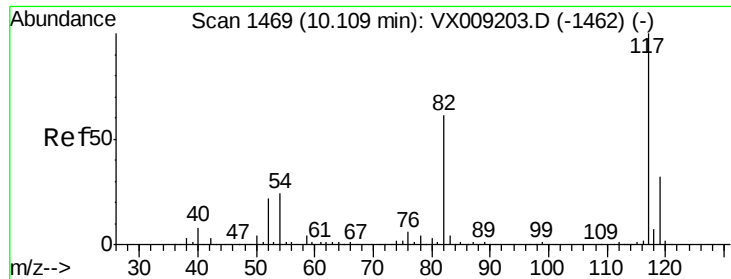


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

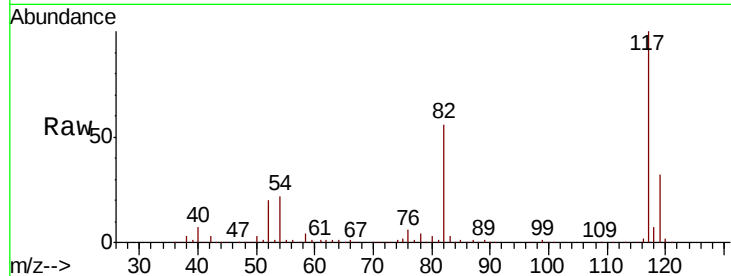




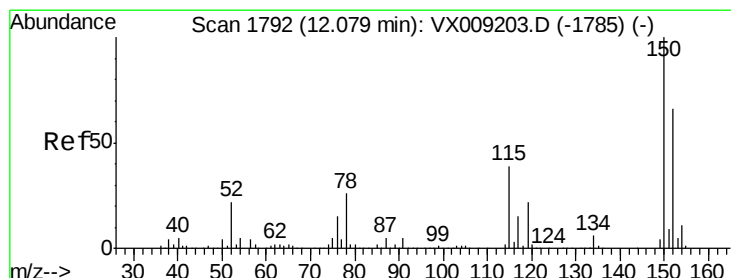
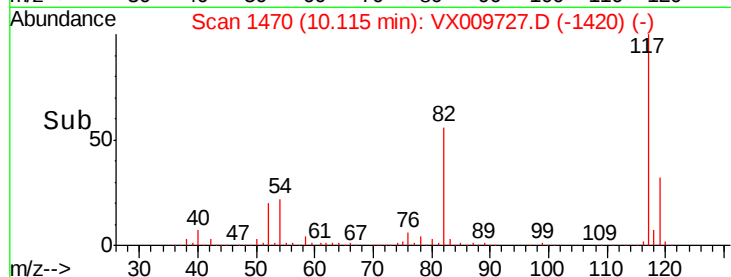
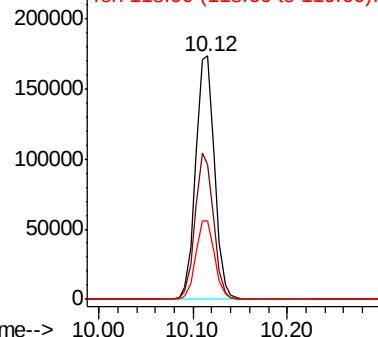
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009727.D
Acq: 20 May 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-778-780

Tot Ion:117 Resp: 240735
Ion Ratio Lower Upper
117 100
82 55.6 48.8 73.2
119 32.4 25.8 38.6

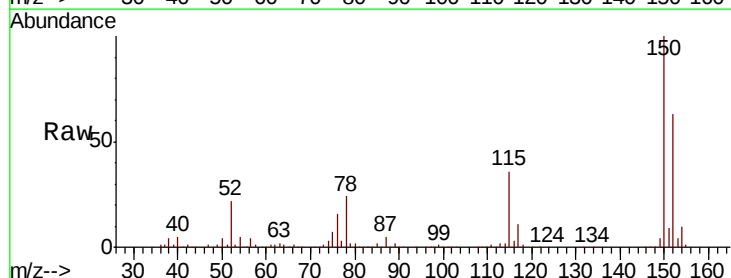


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

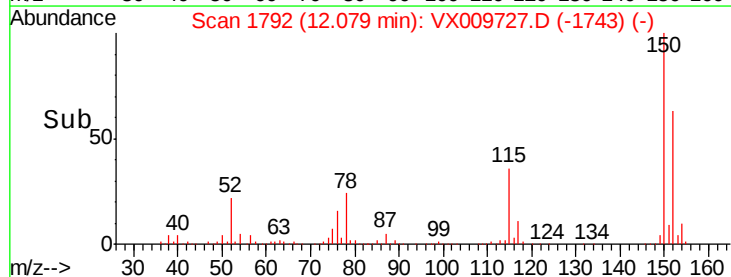
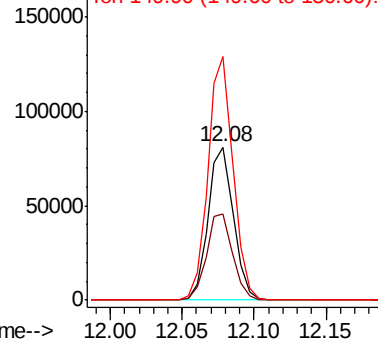


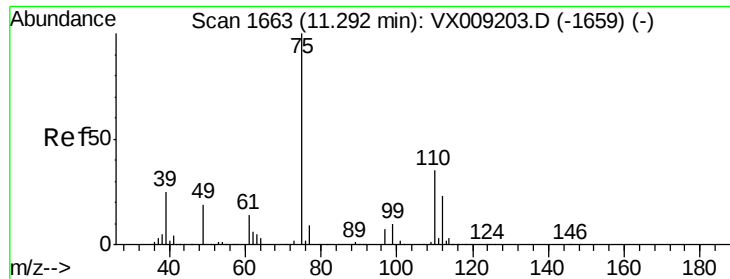
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009727.D
Acq: 20 May 2019 15:39

Tgt Ion:152 Resp: 99862
Ion Ratio Lower Upper
152 100
115 58.0 41.2 123.6
150 157.7 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.972 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009727.D

Acq: 20 May 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

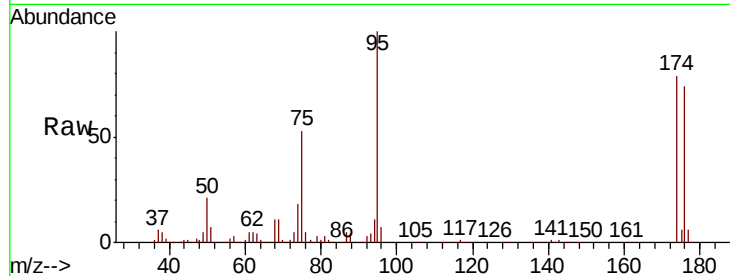
BP-VPB202-GW-778-780

Tot Ion: 75 Resp: 57847

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

50000

40000

30000

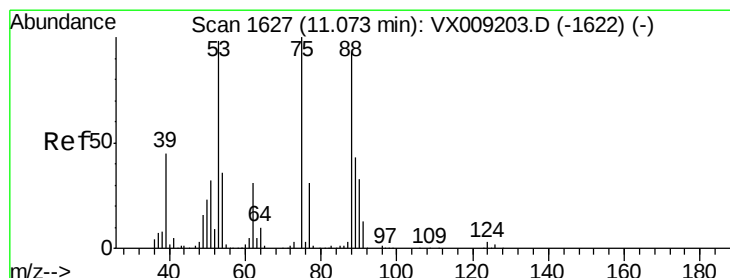
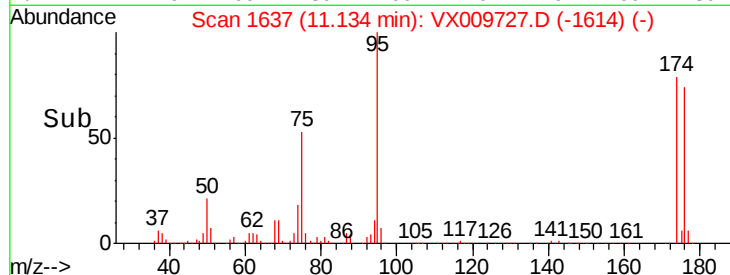
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 63.895 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009727.D

Acq: 20 May 2019 15:39

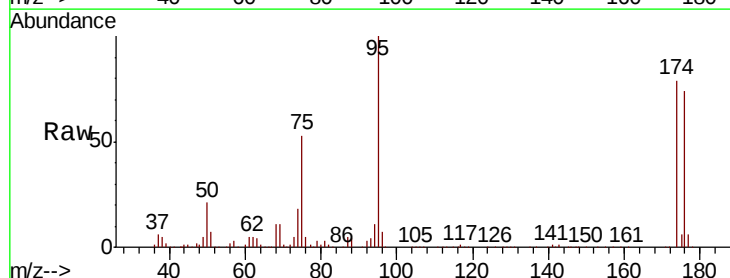
Tgt Ion: 75 Resp: 57847

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

