

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006191.D
 Acq On : 26 Nov 2018 23:11
 Operator : JC/MD
 Sample : VX1126WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 04:03:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	390879	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	398562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193277	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	171237	56.85	ug/l	0.00
Spiked Amount			Recovery	=	113.70%	
35) Dibromofluoromethane	5.50	113	136755	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	
50) Toluene-d8	8.71	98	469337	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.14	95	173628	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	

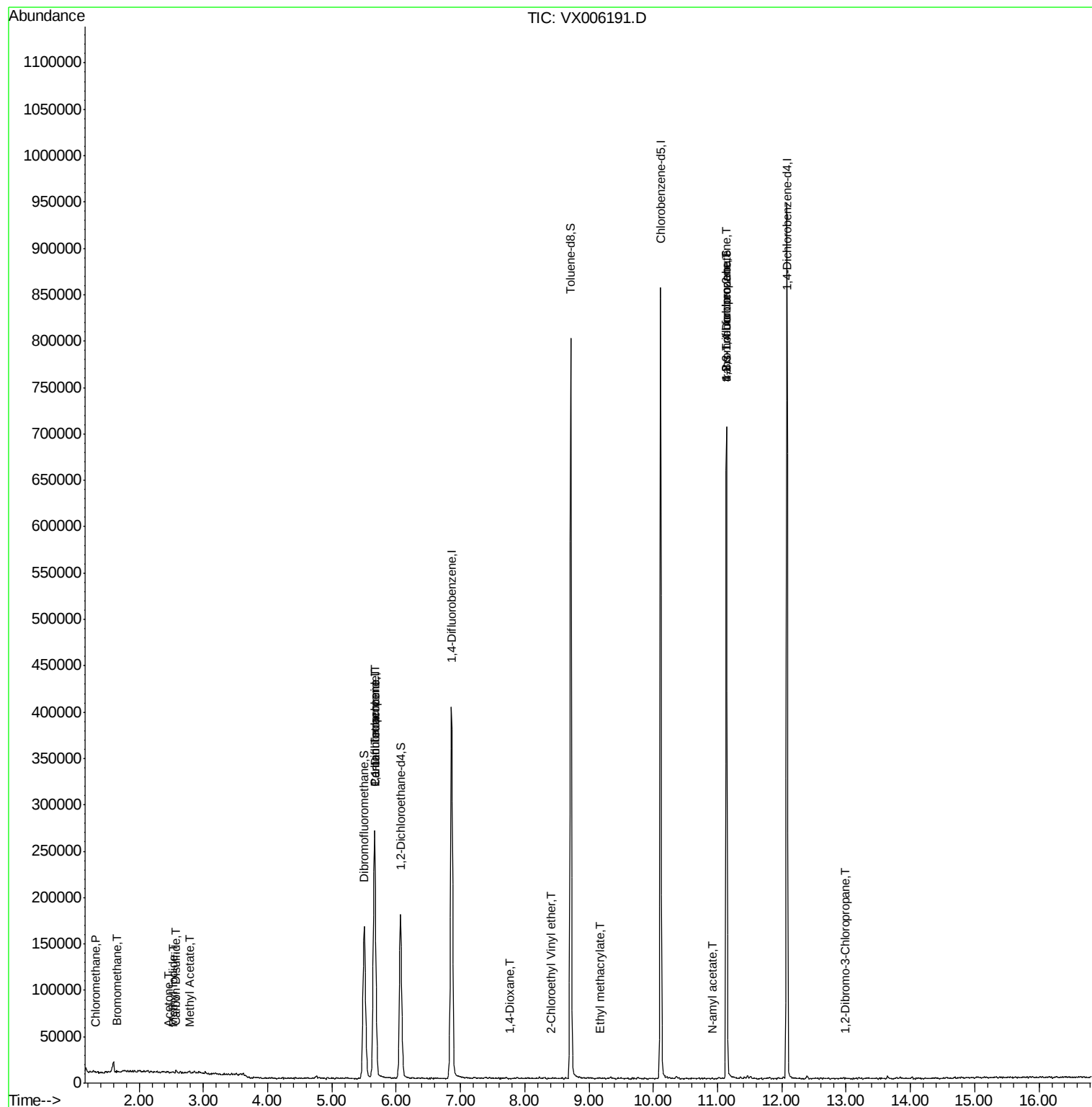
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	701	0.287	ug/l #	79
5) Bromomethane	1.66	94	600	4.006	ug/l	100
6) Chloroethane	1.73	64	109	Below Cal		92
10) Methyl Iodide	2.53	142	715	0.296	ug/l #	88
16) Acetone	2.45	43	1170	0.875	ug/l #	72
17) Carbon Disulfide	2.57	76	2370	0.468	ug/l #	92
18) Methyl Acetate	2.78	43	1337	0.390	ug/l #	81
36) 1,1-Dichloropropene	5.67	75	19181	5.394	ug/l #	51
38) Carbon Tetrachloride	5.67	117	24298	7.270	ug/l #	15
49) 1,4-Dioxane	7.76	88	109	1.371	ug/l #	27
56) Ethyl methacrylate	9.18	69	203	2.909	ug/l #	50
58) 2-Chloroethyl Vinyl ether	8.40	63	79	6.753	ug/l	94
74) N-amyl acetate	10.93	43	226	2.229	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	87124	21.895	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	87124	74.054	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	13.00	75	207	0.202	ug/l #	2

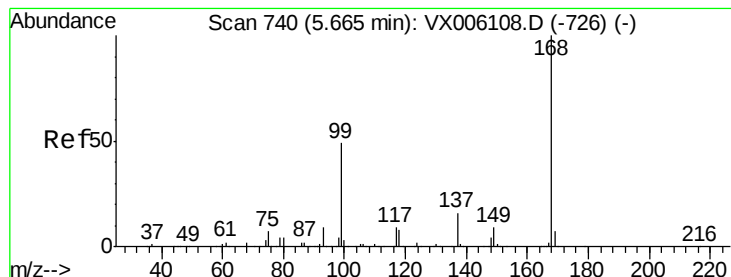
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 21 08:15:54 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

Instrument :

MSVOA_X

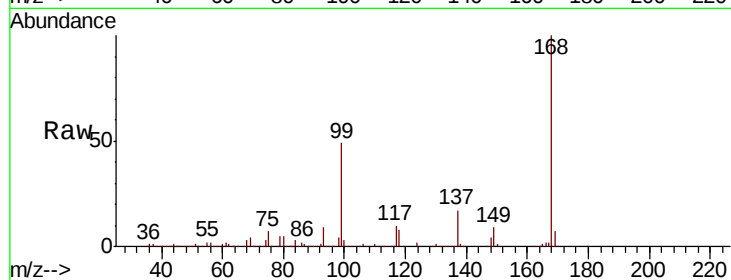
ClientSampleId :

Tot Ion:168 Resp: 259950

Ion Ratio Lower Upper

168 100

99 49.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

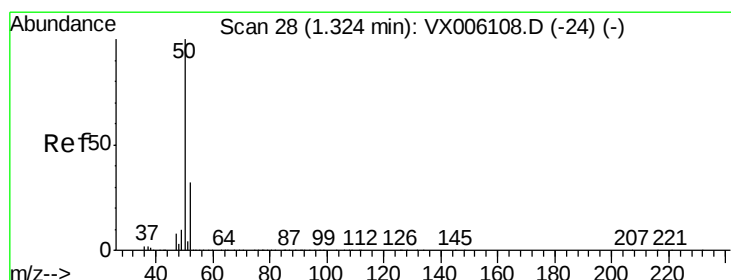
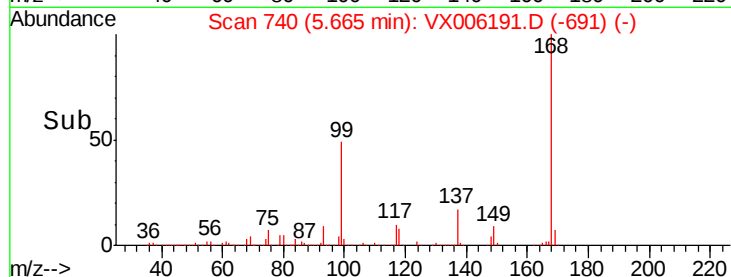
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.287 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006191.D

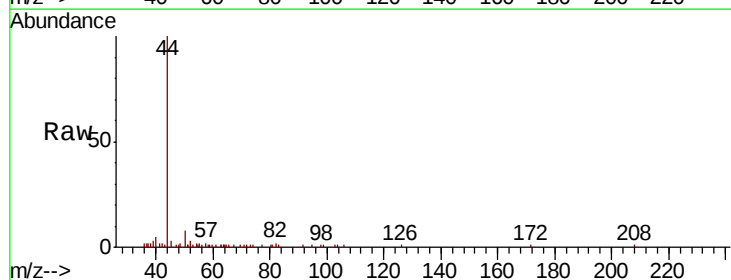
Acq: 26 Nov 2018 23:11

Tgt Ion: 50 Resp: 701

Ion Ratio Lower Upper

50 100

52 20.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

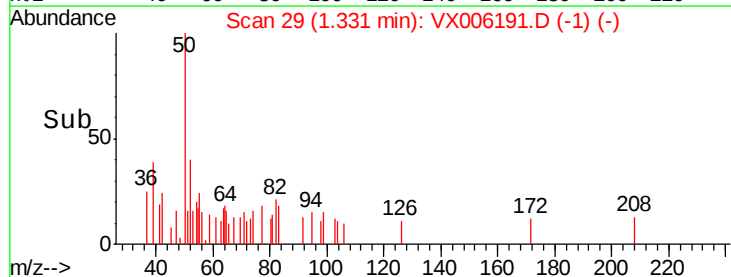
300

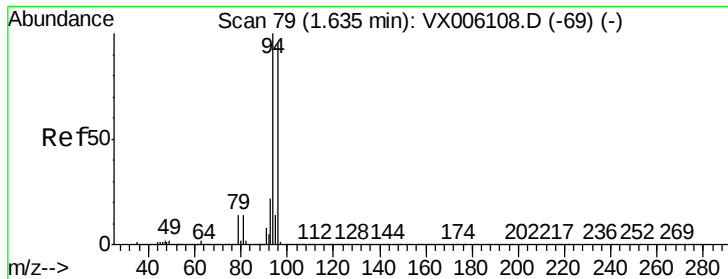
200

100

0

Time-->





#5

Bromomethane

Concen: 4.006 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

Instrument :

MSVOA_X

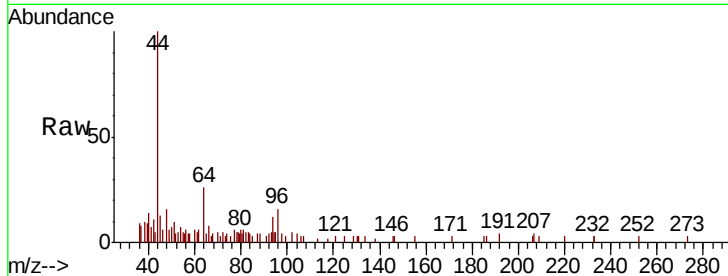
ClientSampled :

Tot Ion: 94 Resp: 600

Ion Ratio Lower Upper

94 100

96 95.8 76.7 115.1

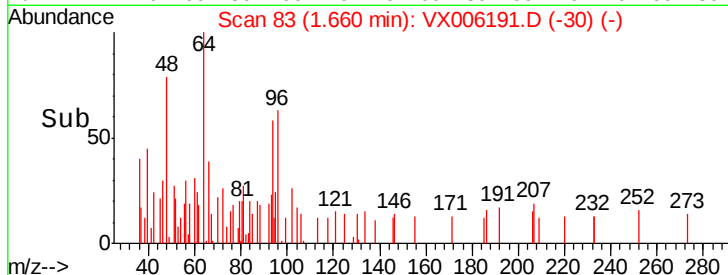


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

Time-->

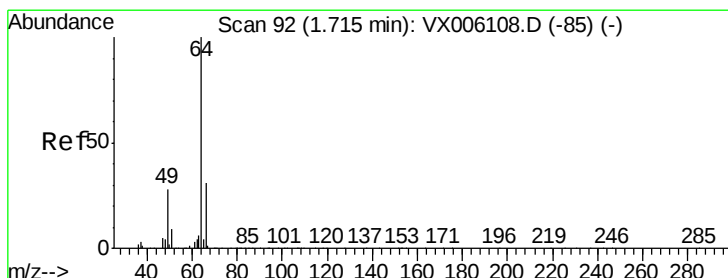


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006191.D

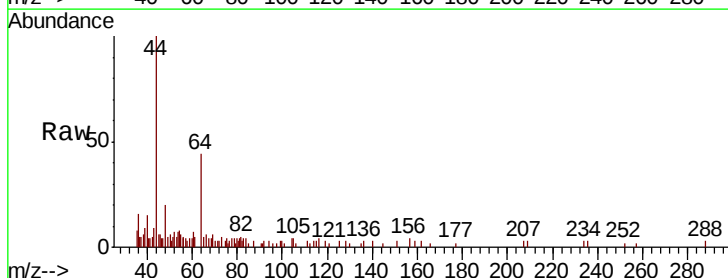
Acq: 26 Nov 2018 23:11

Tgt Ion: 64 Resp: 109

Ion Ratio Lower Upper

64 100

66 27.1 25.1 37.7

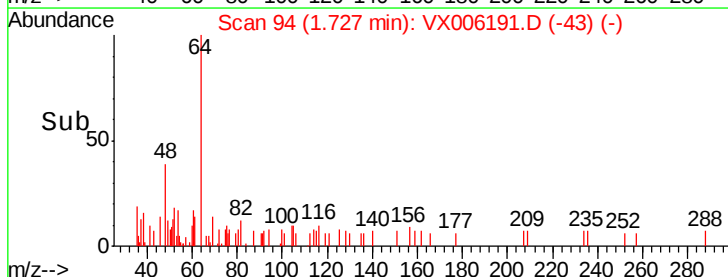


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

Time-->

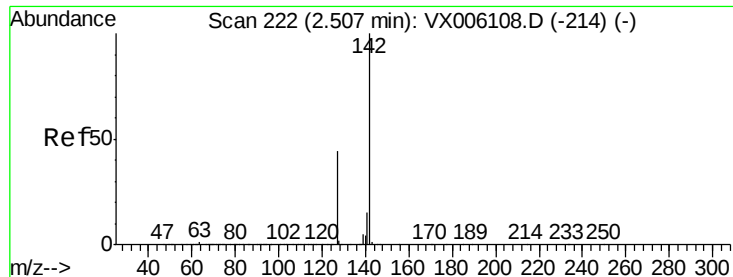


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

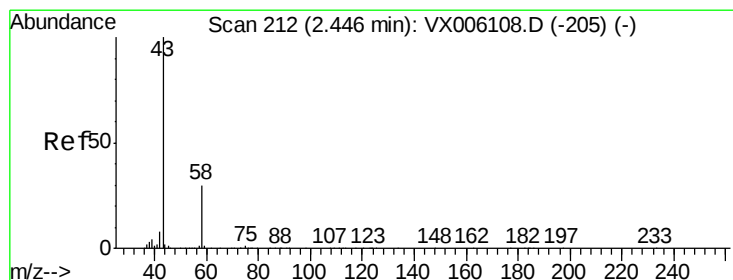
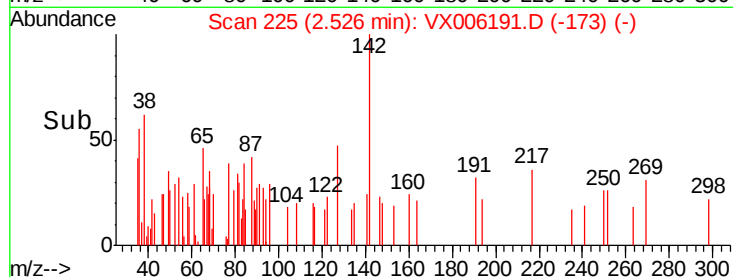
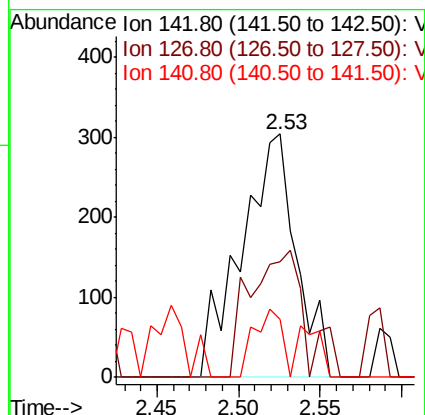
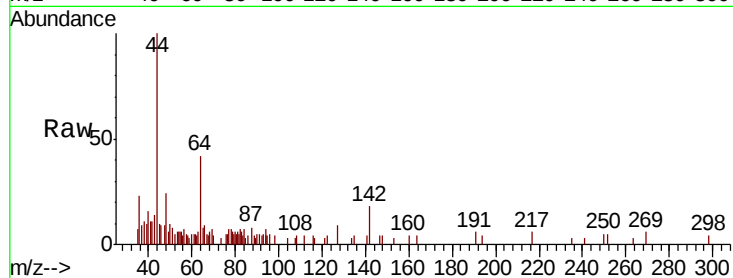
Time-->



#10
Methyl Iodide
Concen: 0.296 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX006191.D
Acq: 26 Nov 2018 23:11

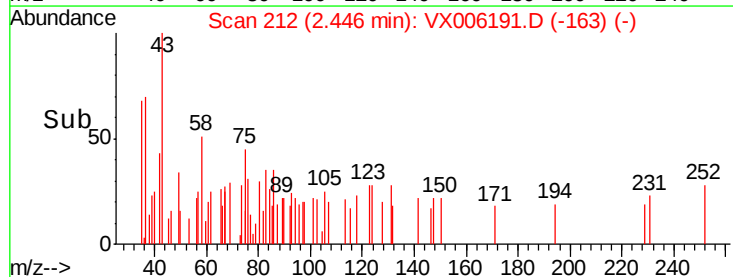
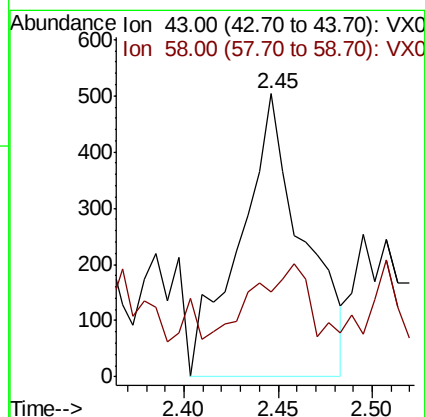
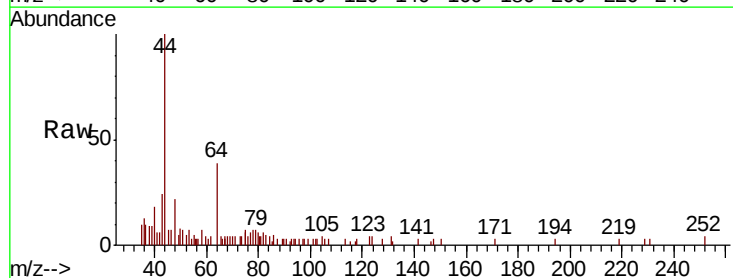
Instrument :
MSVOA_X
ClientSampleId :

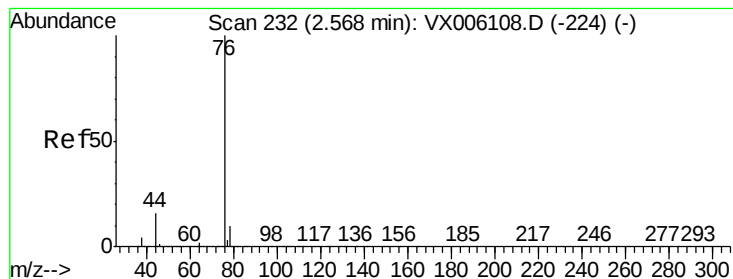
Tot Ion:142 Resp: 715
Ion Ratio Lower Upper
142 100
127 52.2 36.0 54.0
141 9.0 11.7 17.5#



#16
Acetone
Concen: 0.875 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006191.D
Acq: 26 Nov 2018 23:11

Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
58 14.5 23.8 35.8#





#17

Carbon Disulfide

Concen: 0.468 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

Instrument :

MSVOA_X

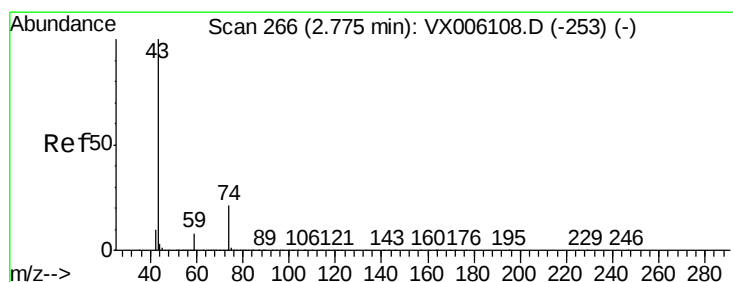
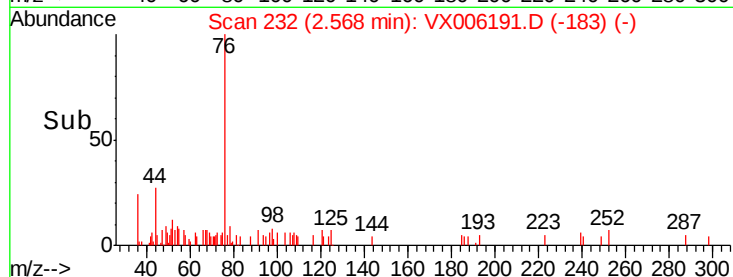
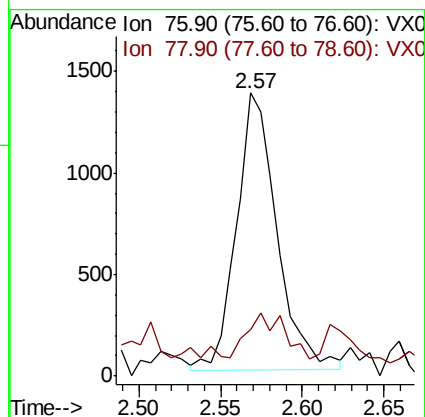
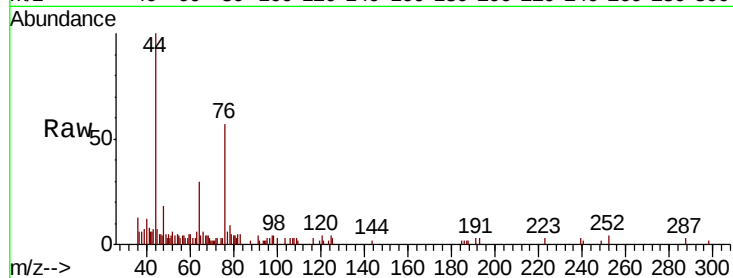
ClientSampleId :

Tot Ion: 76 Resp: 2370

Ion Ratio Lower Upper

76 100

78 6.8 7.7 11.5#



#18

Methyl Acetate

Concen: 0.390 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006191.D

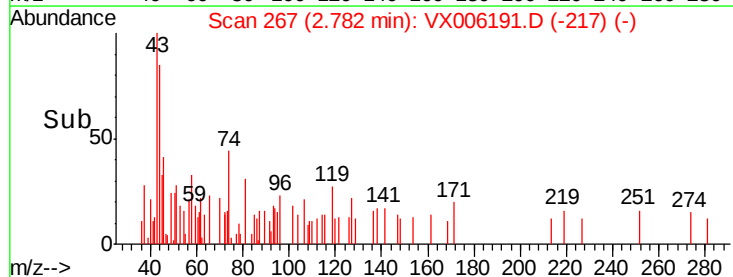
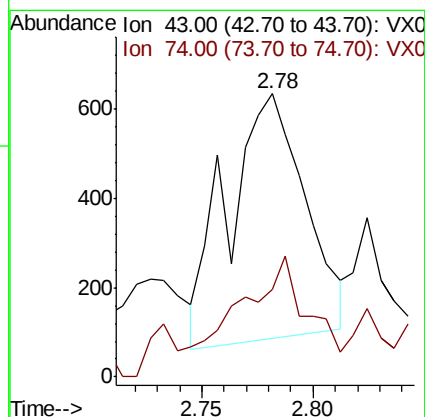
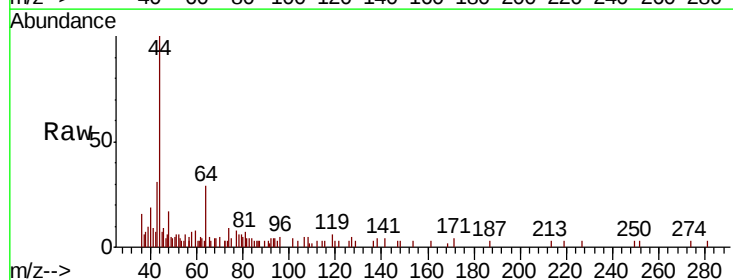
Acq: 26 Nov 2018 23:11

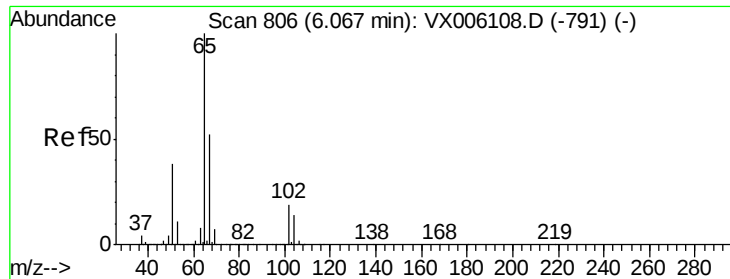
Tgt Ion: 43 Resp: 1337

Ion Ratio Lower Upper

43 100

74 30.4 17.3 25.9#





#33

1,2-Dichloroethane-d4

Concen: 56.849 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

Instrument :

MSVOA_X

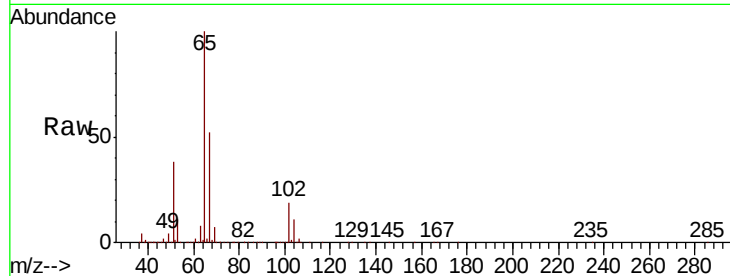
ClientSampleId :

Tot Ion: 65 Resp: 171237

Ion Ratio Lower Upper

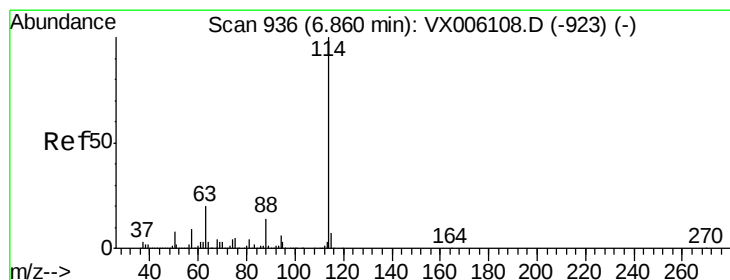
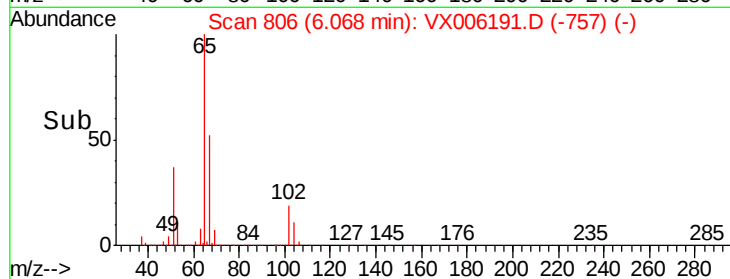
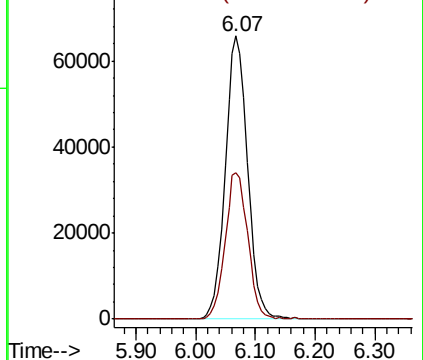
65 100

67 52.4 0.0 105.8



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: VX006191.D

Acq: 26 Nov 2018 23:11

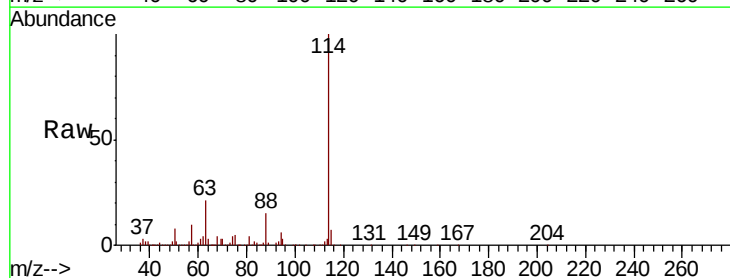
Tgt Ion: 114 Resp: 390879

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

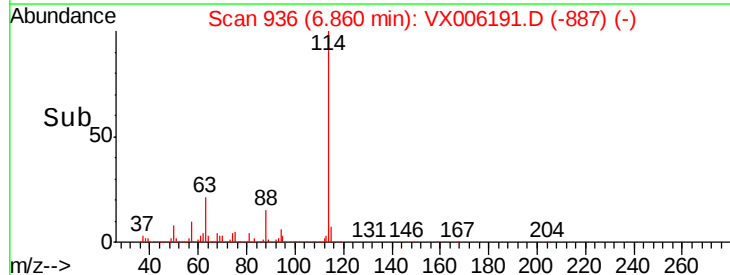
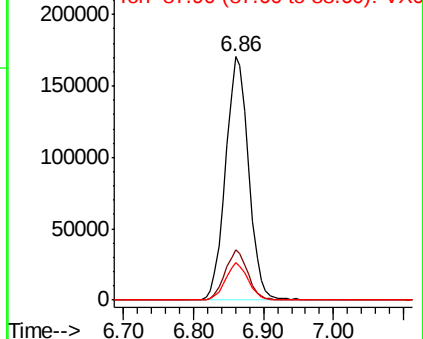
88 15.4 0.0 28.6

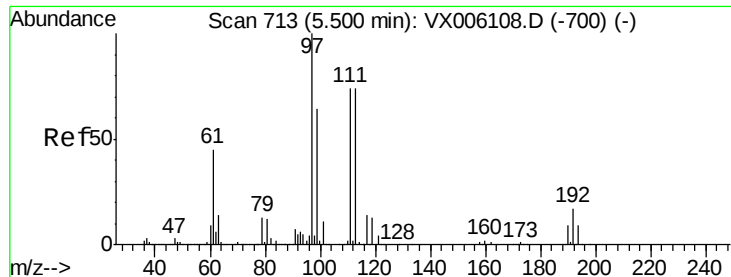


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 54.503 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

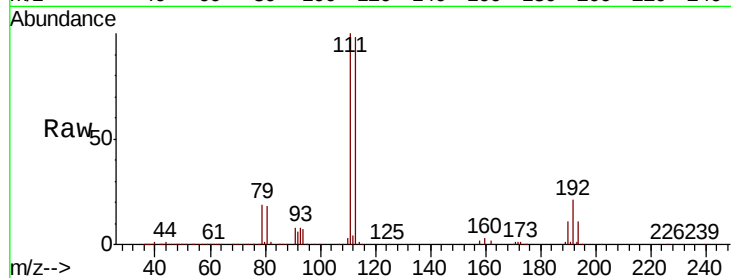
Tot Ion:113 Resp: 136755

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

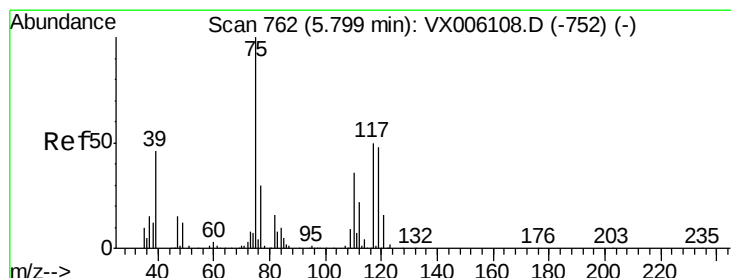
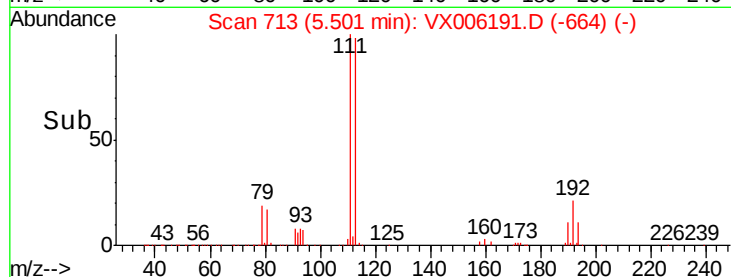
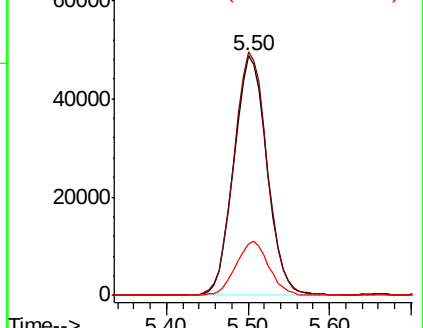
192 22.5 18.6 28.0



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: 5.394 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

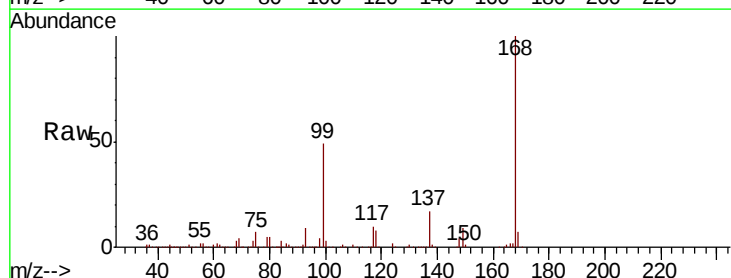
Tgt Ion: 75 Resp: 19181

Ion Ratio Lower Upper

75 100

110 10.2 17.8 53.3#

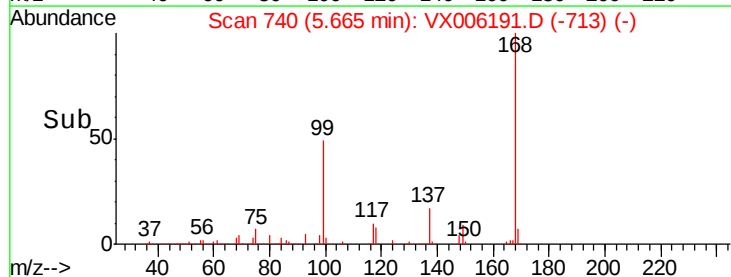
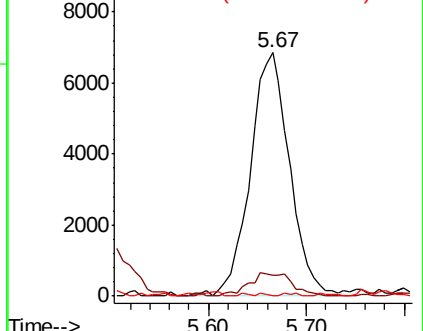
77 0.3 24.5 36.7#

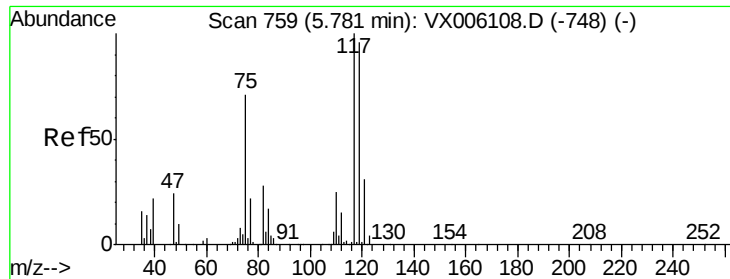


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.270 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

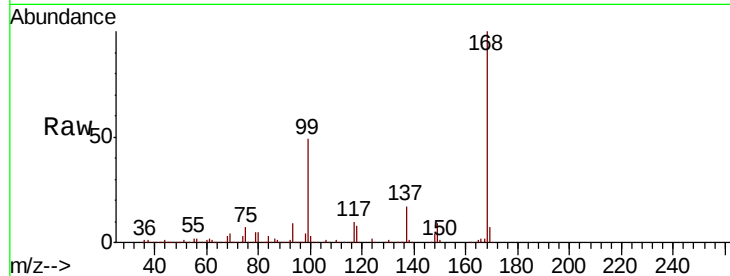
Tot Ion:117 Resp: 24298

Ion Ratio Lower Upper

117 100

119 3.4 76.3 114.5#

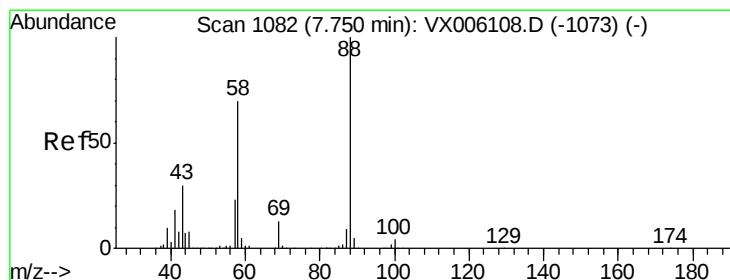
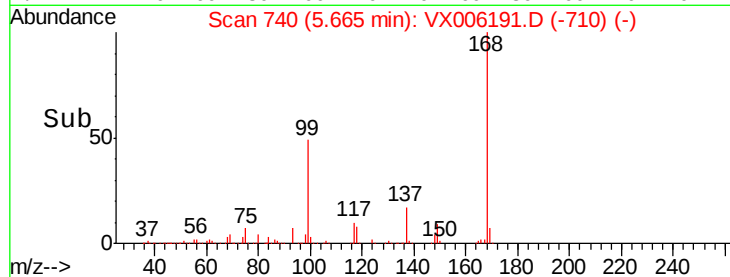
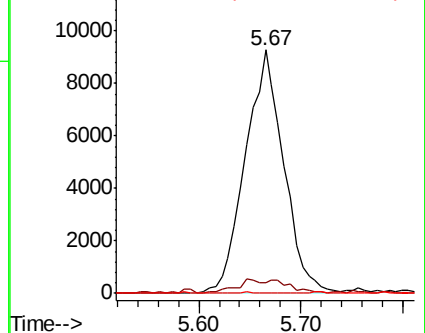
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.371 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

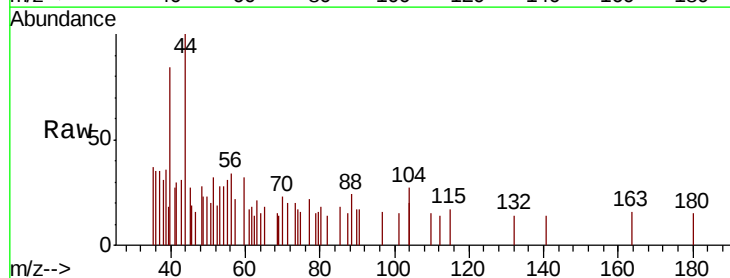
Tgt Ion: 88 Resp: 109

Ion Ratio Lower Upper

88 100

43 162.4 26.7 40.1#

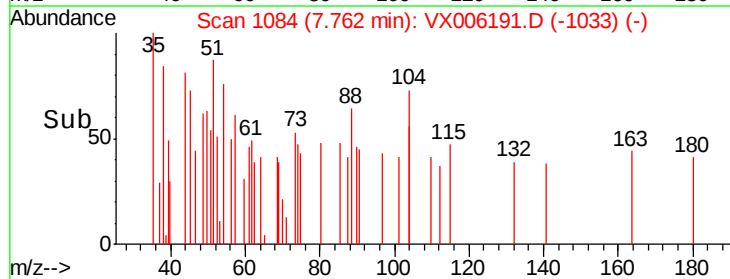
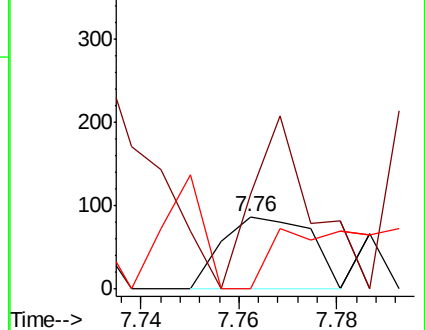
58 70.6 58.5 87.7

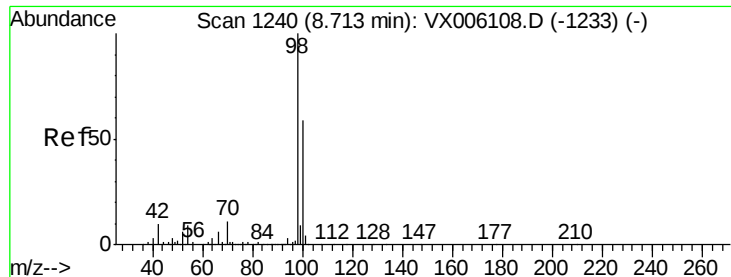


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.041 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

Instrument :

MSVOA_X

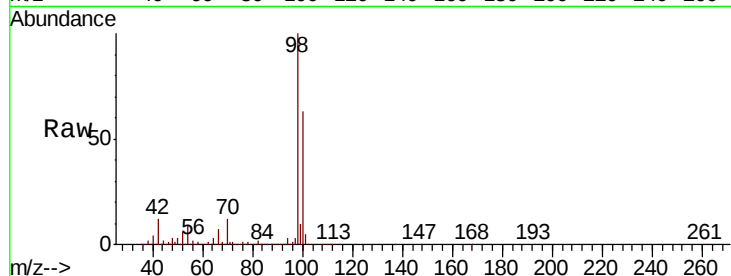
ClientSampleId :

Tot Ion: 98 Resp: 469337

Ion Ratio Lower Upper

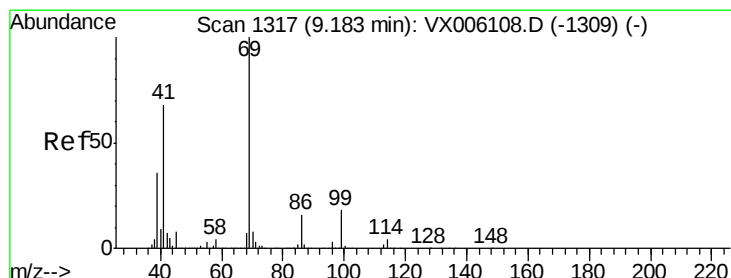
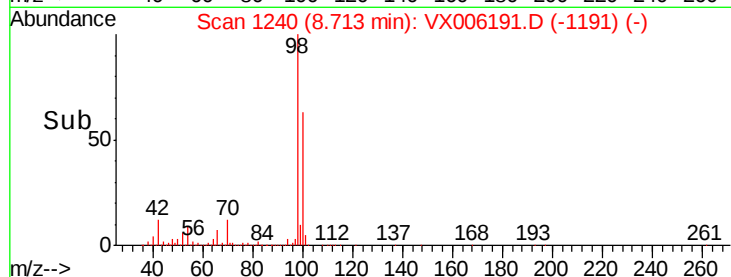
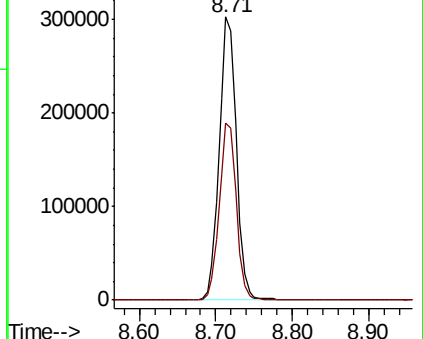
98 100

100 62.3 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#56

Ethyl methacrylate

Concen: 2.909 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

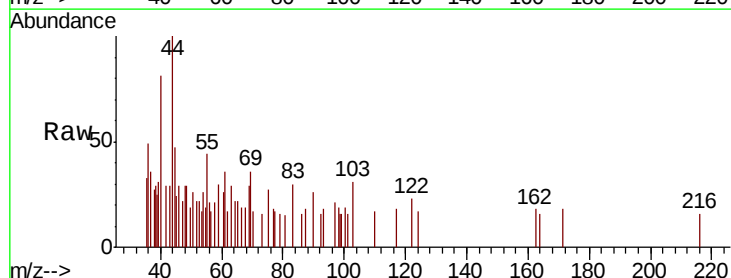
Tgt Ion: 69 Resp: 203

Ion Ratio Lower Upper

69 100

41 93.1 56.2 84.4#

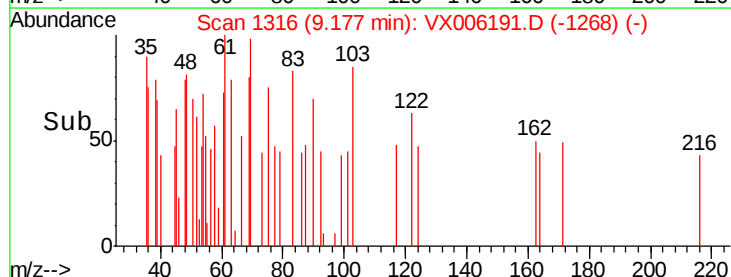
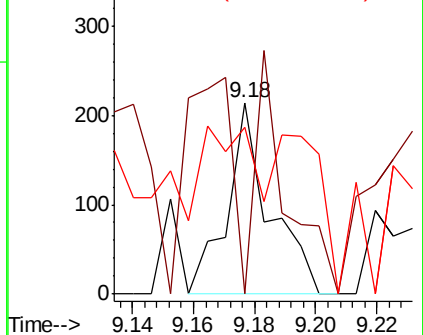
39 92.1 29.4 44.0#

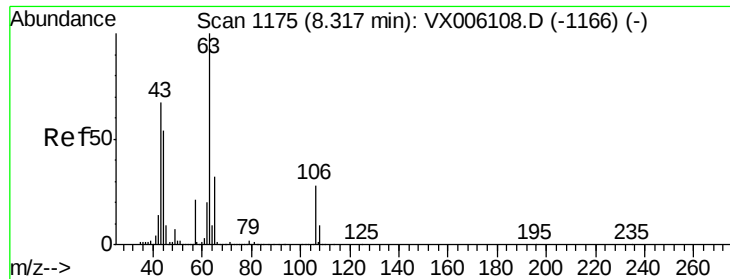


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

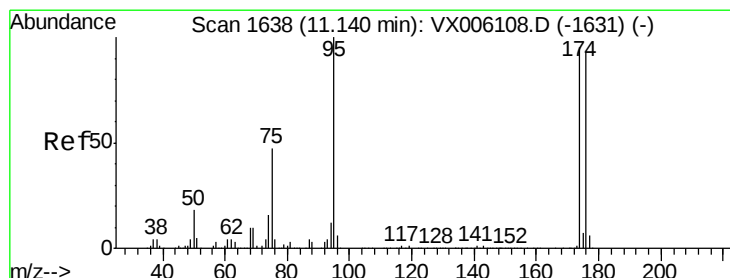
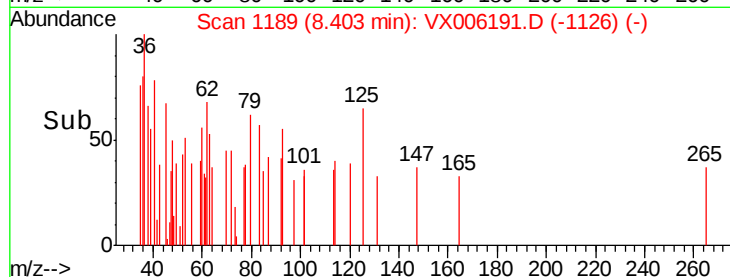
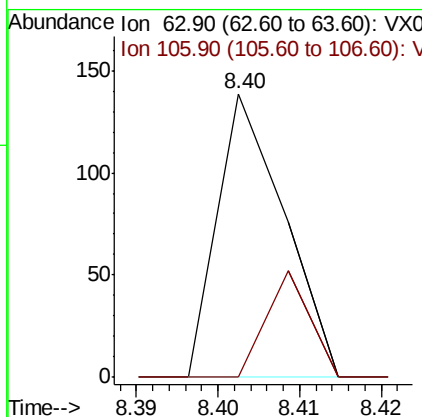
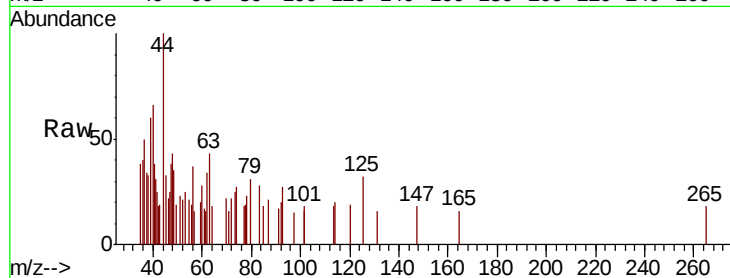




#58
2-Chloroethyl Vinyl ether
Concen: 6.753 ug/l
RT: 8.40 min Scan# 1189
Delta R.T. 0.09 min
Lab File: VX006191.D
Acq: 26 Nov 2018 23:11

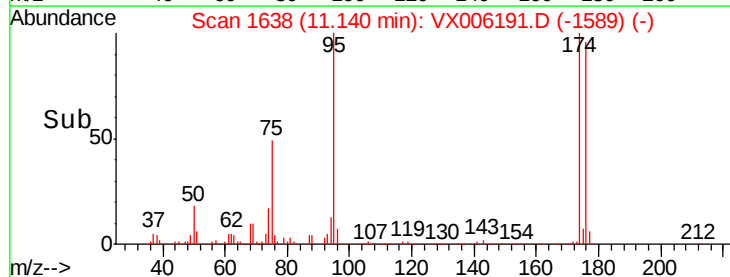
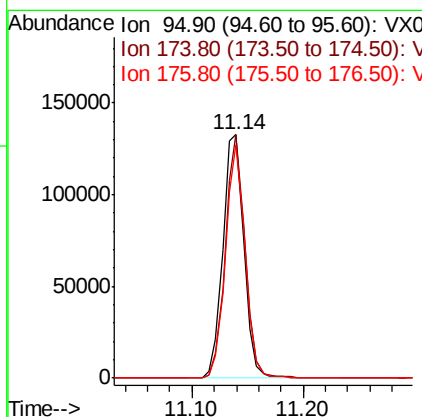
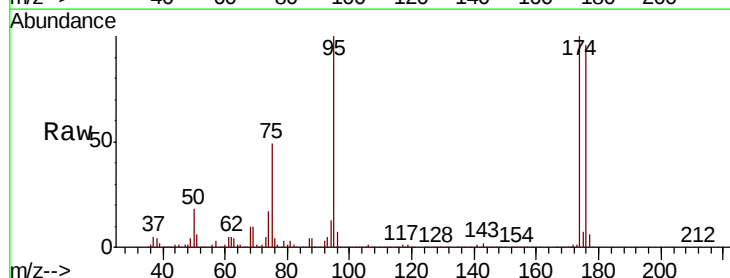
Instrument :
MSVOA_X
ClientSampleId :

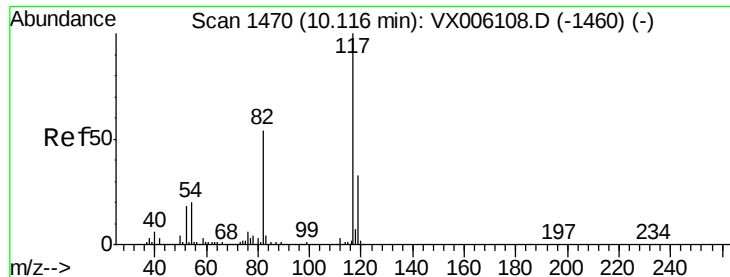
Tot Ion: 63 Resp: 79
Ion Ratio Lower Upper
63 100
106 24.1 21.7 32.5



#62
4-Bromofluorobenzene
Concen: 48.354 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX006191.D
Acq: 26 Nov 2018 23:11

Tgt Ion: 95 Resp: 173628
Ion Ratio Lower Upper
95 100
174 93.0 0.0 184.4
176 89.2 0.0 179.0

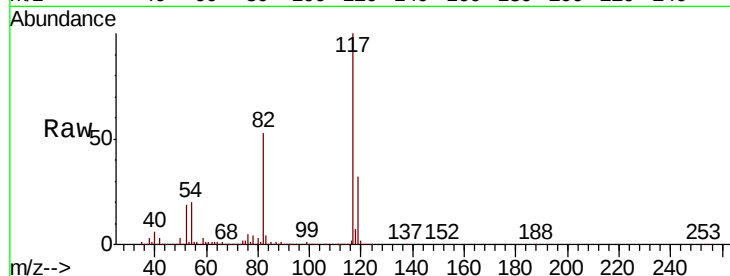




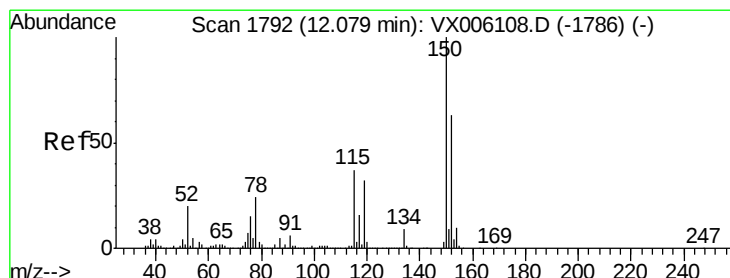
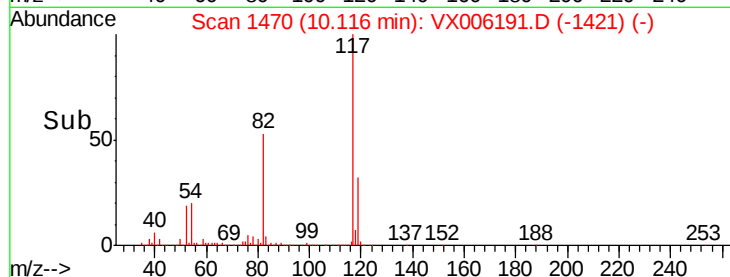
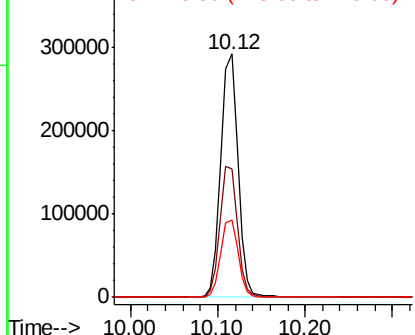
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006191.D
Acq: 26 Nov 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 398562
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 31.8 26.1 39.1

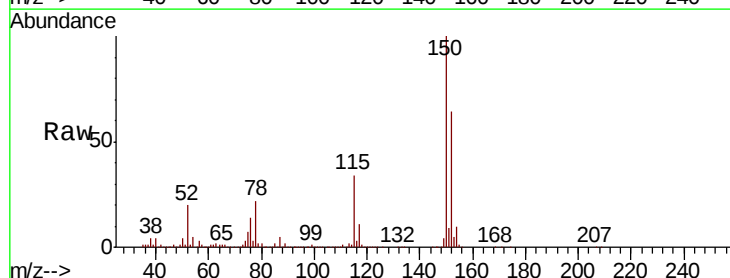


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

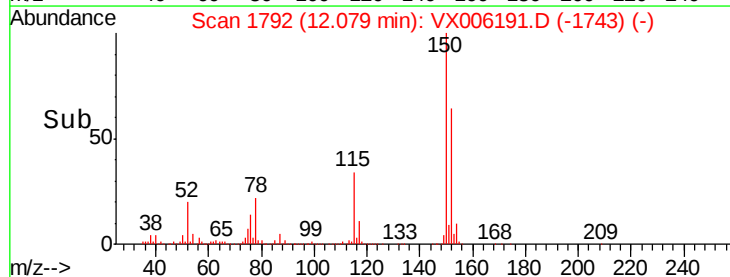
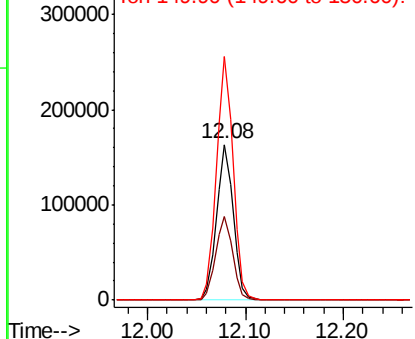


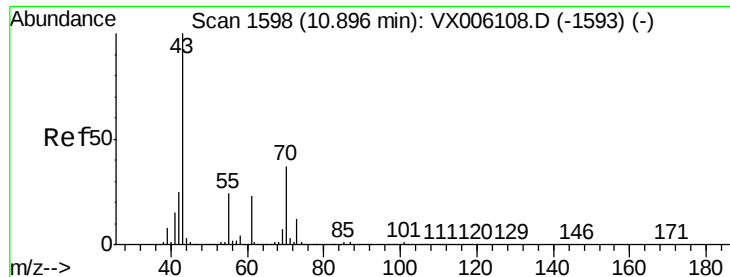
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006191.D
Acq: 26 Nov 2018 23:11

Tgt Ion:152 Resp: 193277
Ion Ratio Lower Upper
152 100
115 55.0 39.0 116.9
150 156.6 0.0 346.6



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





#74

N-amvl acetate

Concen: 2.229 ug/l

RT: 10.93 min Scan# 1603

Delta R.T. 0.03 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 43 Resp: 226

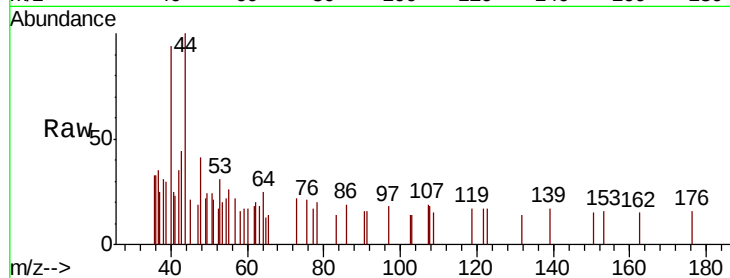
Ion Ratio Lower Upper

43 100

70 0.0 31.8 47.6#

55 98.2 19.5 29.3#

61 0.0 18.6 27.8#

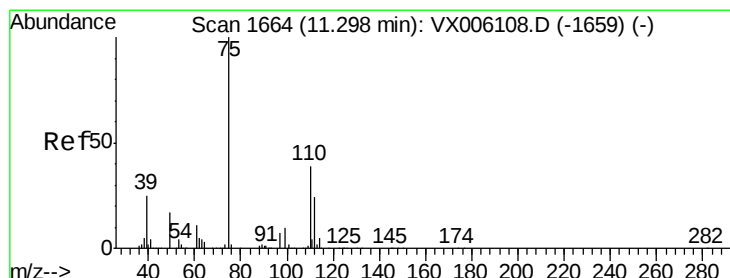
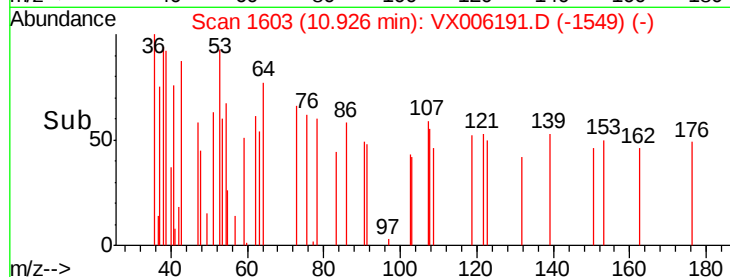
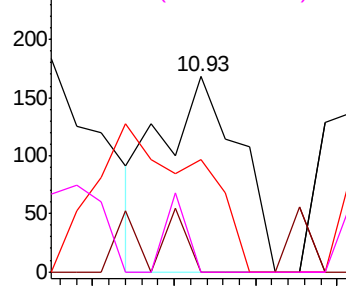


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.895 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006191.D

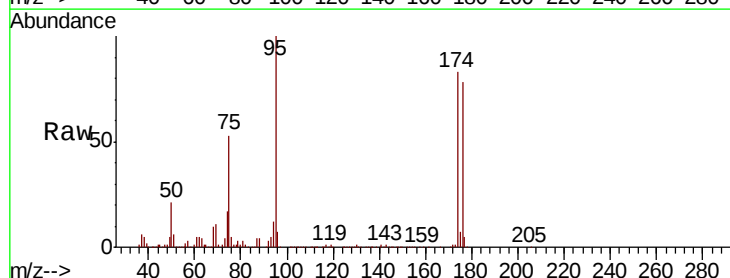
Acq: 26 Nov 2018 23:11

Tgt Ion: 75 Resp: 87124

Ion Ratio Lower Upper

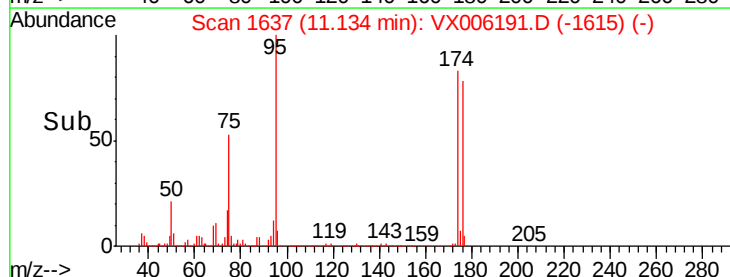
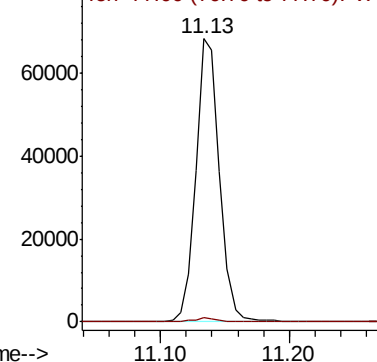
75 100

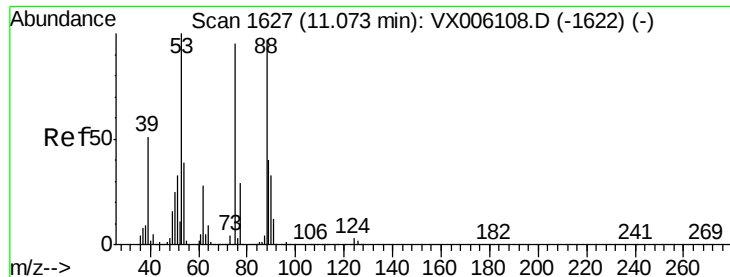
77 1.6 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 74.054 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

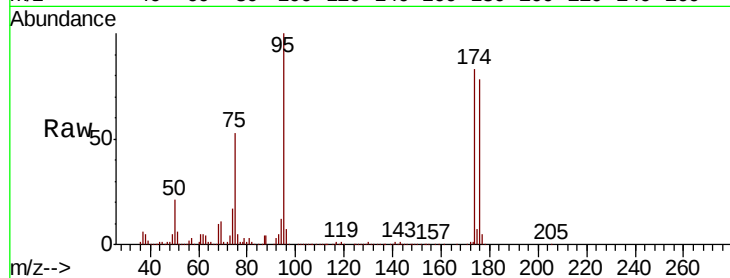
Tot Ion: 75 Resp: 87124

Ion Ratio Lower Upper

75 100

53 0.5 85.3 127.9#

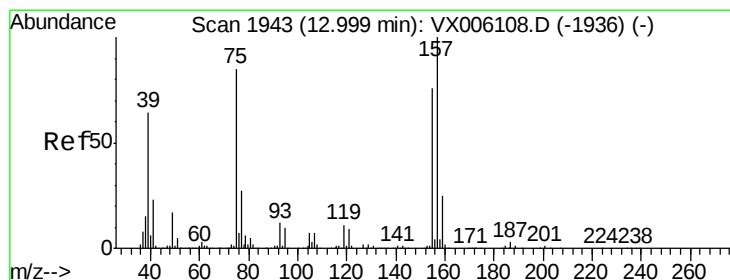
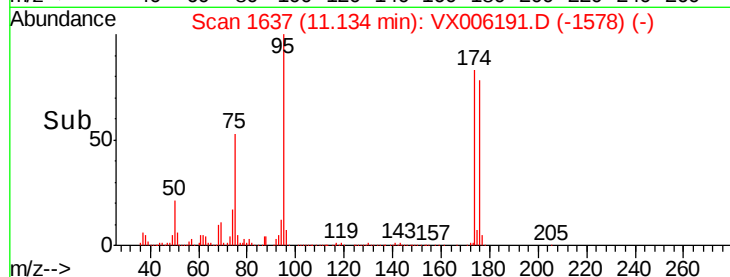
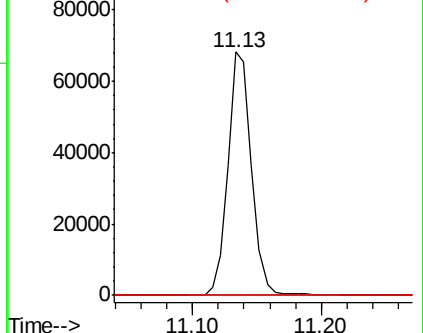
89 0.1 37.2 55.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.202 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006191.D

Acq: 26 Nov 2018 23:11

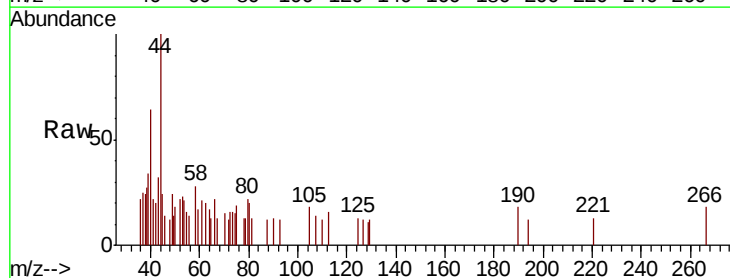
Tgt Ion: 75 Resp: 207

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

157 9.2 59.8 179.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

