

Data File : VX001561.D
Acq On : 09 May 2018 17:59
Operator : JC/MD
Sample : J2732-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RAV-GTMW-1

Quant Time: May 10 04:16:45 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	234451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	269214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	138178	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	193097	57.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.60%	
35) Dibromofluoromethane	5.51	113	150233	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
50) Toluene-d8	8.72	98	527741	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.14	95	165217	41.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.94%	

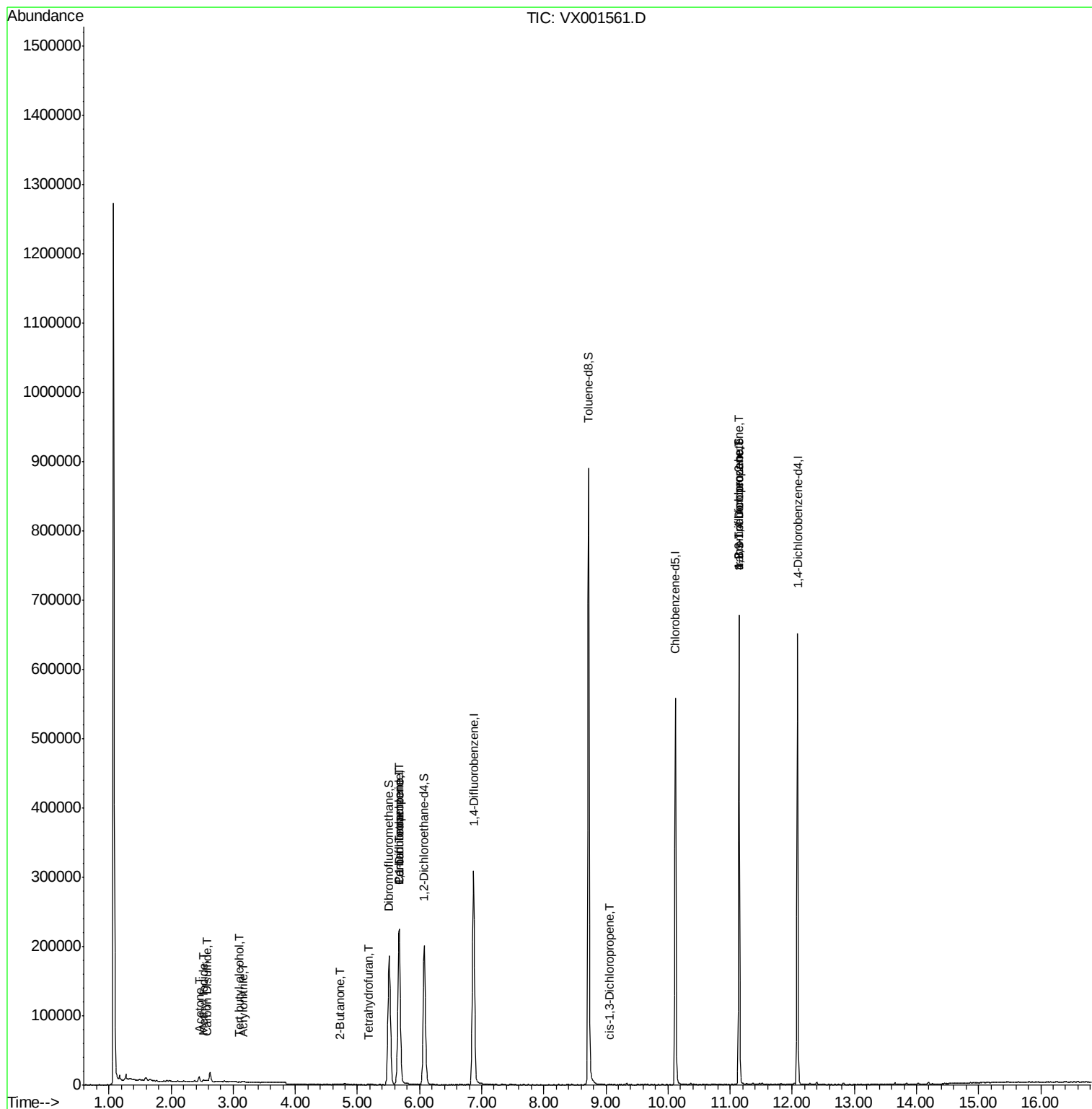
Target Compounds				Qvalue		
5) Bromomethane	1.66	94	1170	Below Cal	#	65
10) Methyl Iodide	2.52	142	2225	0.54 ug/l	#	97
11) Tert butyl alcohol	3.09	59	170	0.24 ug/l	#	42
13) Acrolein	2.32	56	23	Below Cal	#	1
15) Acrylonitrile	3.15	53	483	0.30 ug/l	#	69
16) Acetone	2.45	43	7313	4.78 ug/l		95
17) Carbon Disulfide	2.57	76	1396	0.21 ug/l	#	91
25) 2-Butanone	4.73	43	1005	0.45 ug/l		91
29) Tetrahydrofuran	5.18	42	298	0.21 ug/l	#	33
36) 1,1-Dichloropropene	5.67	75	14965	3.68 ug/l	#	50
38) Carbon Tetrachloride	5.67	117	20479	4.72 ug/l	#	15
54) cis-1,3-Dichloropropene	9.06	75	91	2.28 ug/l	#	1
76) 1,2,3-Trichloropropane	11.14	75	83767	29.89 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	83767	91.42 ug/l	#	7

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

Data File : VX001561.D
Acq On : 09 May 2018 17:59
Operator : JC/MD
Sample : J2732-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RAV-GTMW-1

Quant Time: May 10 04:16:45 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001561.D

Acq: 09 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

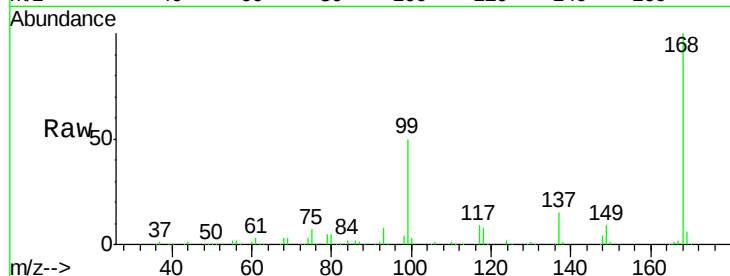
RAV-GTMW-1

Tgt Ion:168 Resp: 234451

Ion Ratio Lower Upper

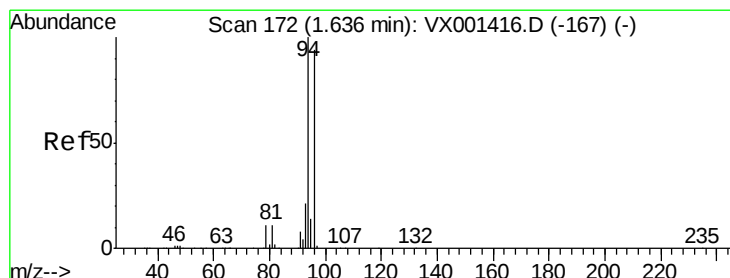
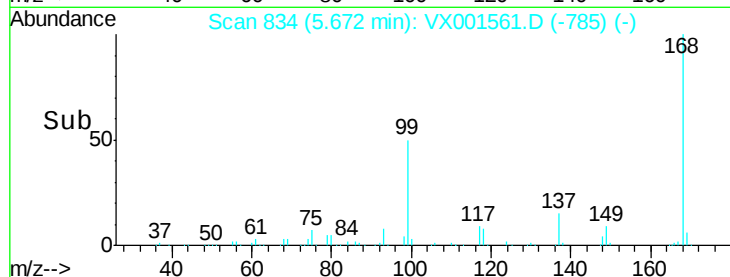
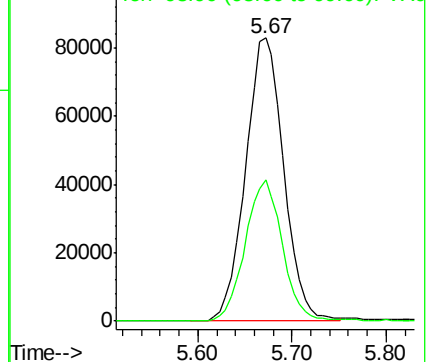
168 100

99 50.1 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001561.D

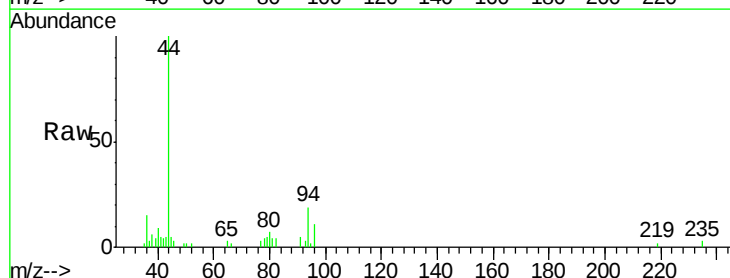
Acq: 09 May 2018 17:59

Tgt Ion: 94 Resp: 1170

Ion Ratio Lower Upper

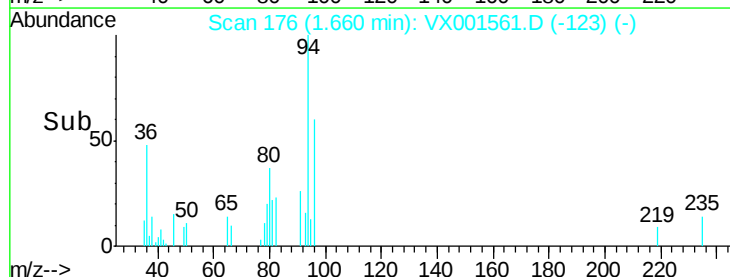
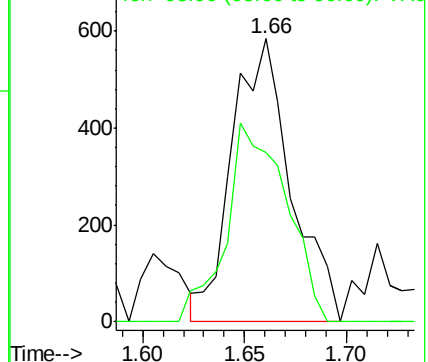
94 100

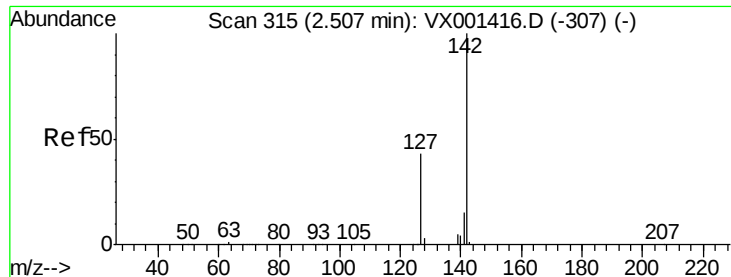
96 59.9 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

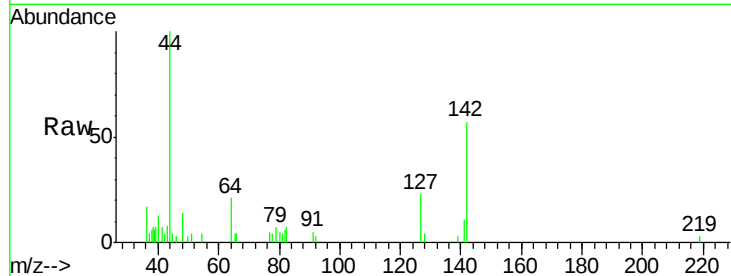




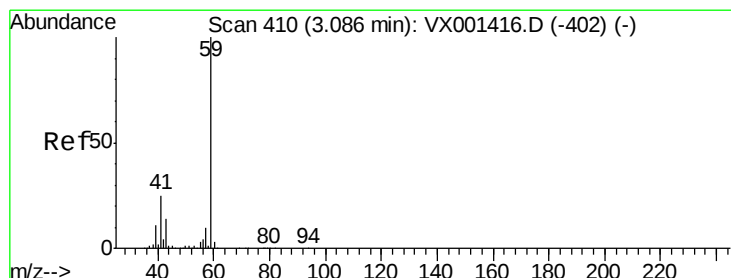
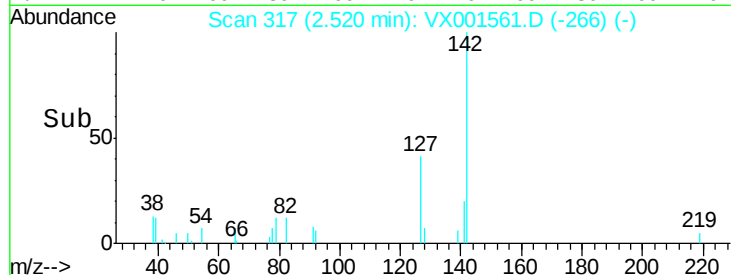
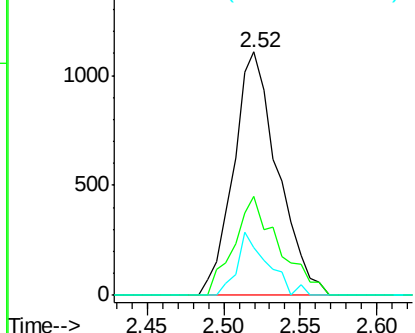
#10
Methyl Iodide
Concen: 0.54 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001561.D
Acq: 09 May 2018 17:59

Instrument :
MSVOA_X
ClientSampled :
RAV-GTMW-1

Tgt Ion: 142 Resp: 2225
Ion Ratio Lower Upper
142 100
127 41.3 33.6 50.4
141 17.8 11.4 17.2#

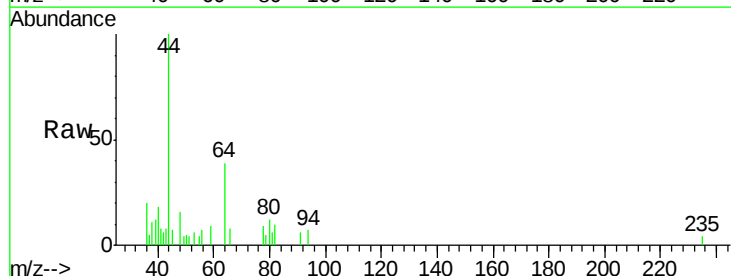


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

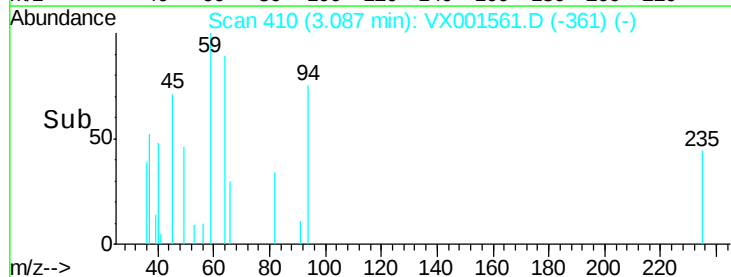
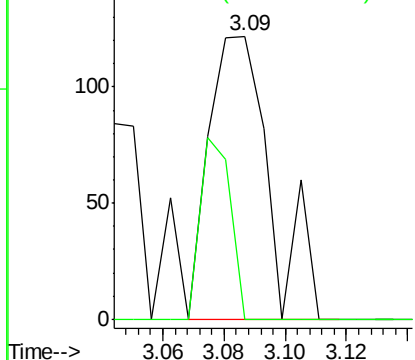


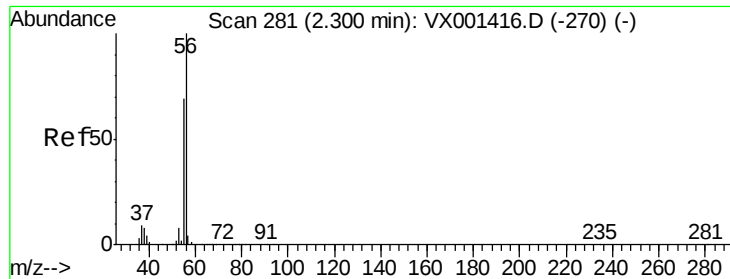
#11
Tert butyl alcohol
Concen: 0.24 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001561.D
Acq: 09 May 2018 17:59

Tgt Ion: 59 Resp: 170
Ion Ratio Lower Upper
59 100
57 31.8 8.2 12.4#



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





#13

Acrolein

Concen: Below Cal

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX001561.D

Acq: 09 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

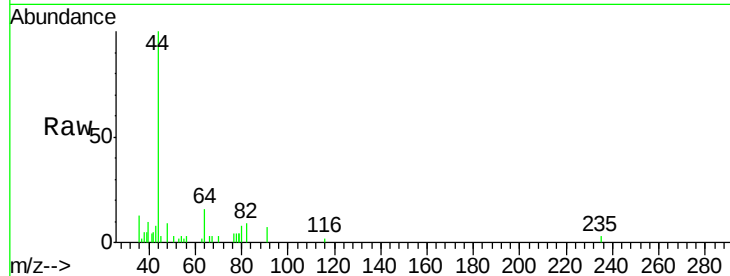
RAV-GTMW-1

Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

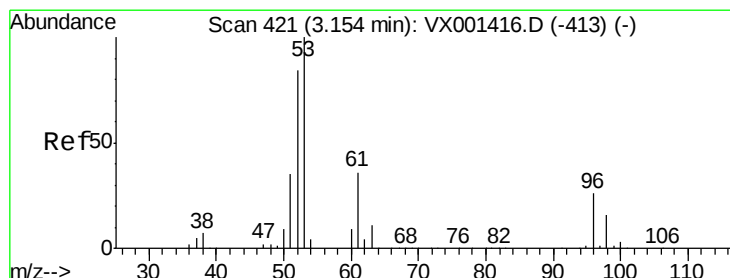
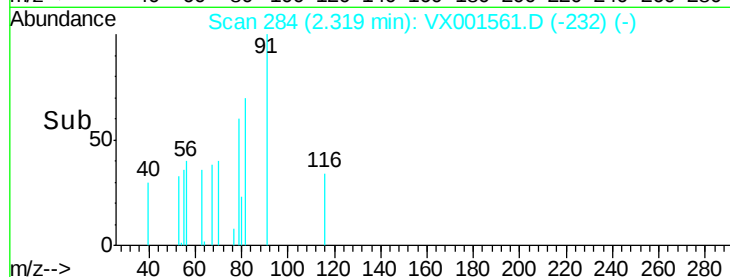
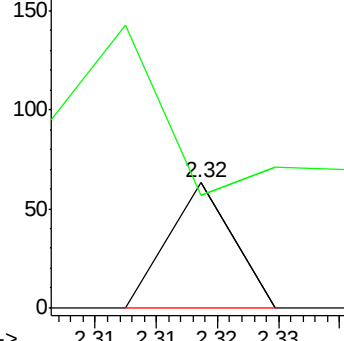
56 100

55 691.3 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.30 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001561.D

Acq: 09 May 2018 17:59

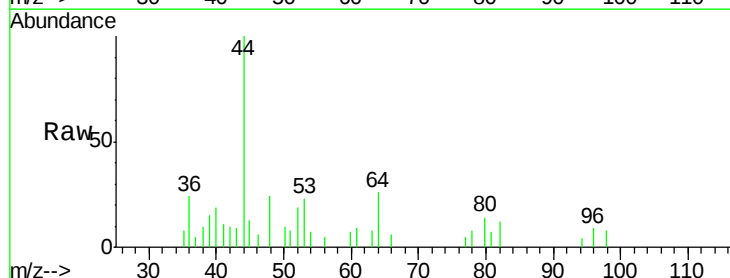
Tgt Ion: 53 Resp: 483

Ion Ratio Lower Upper

53 100

52 119.7 66.2 99.2#

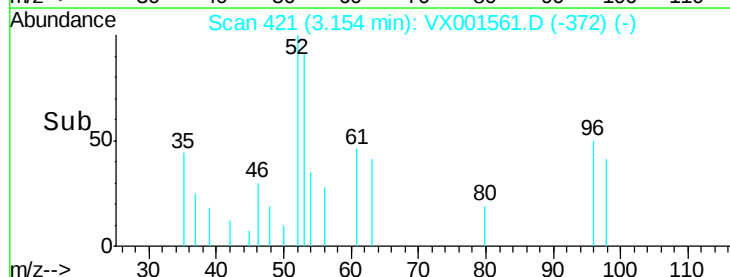
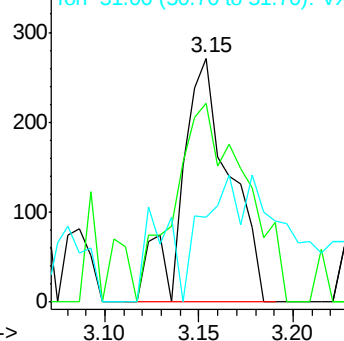
51 39.8 28.6 43.0

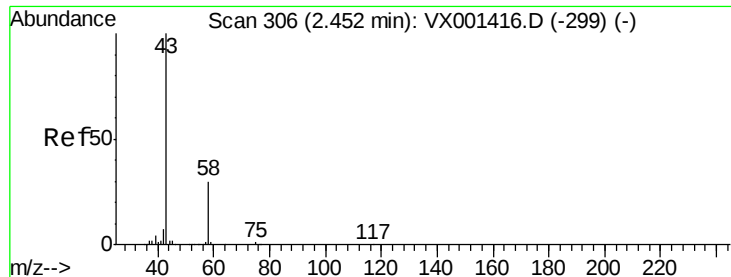


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 4.78 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001561.D

Acq: 09 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

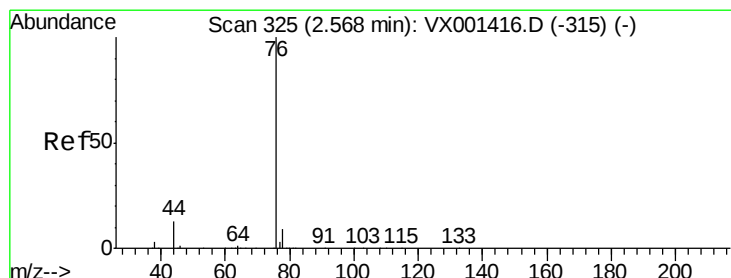
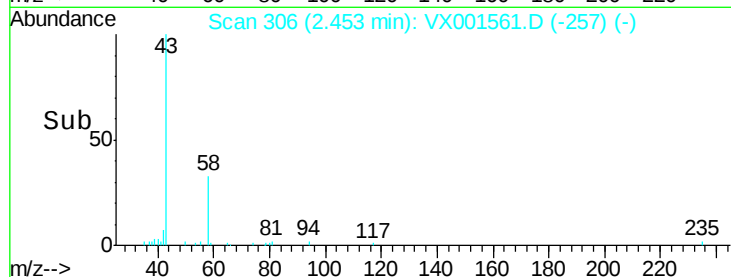
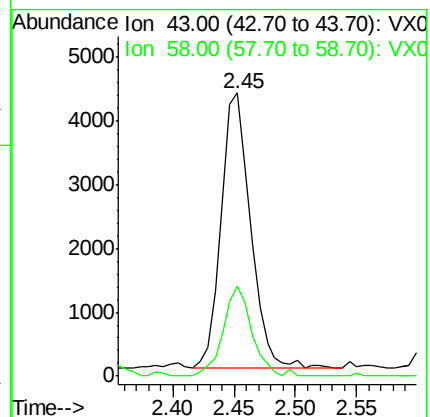
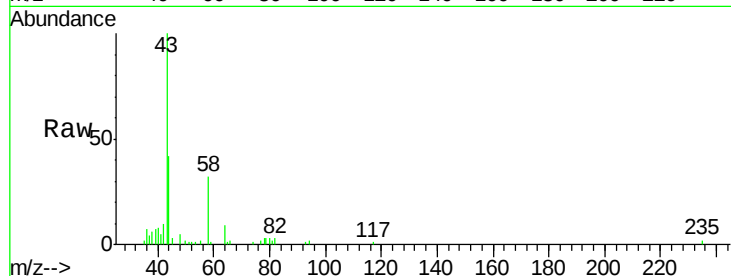
RAV-GTMW-1

Tgt Ion: 43 Resp: 7313

Ion Ratio Lower Upper

43 100

58 32.8 23.8 35.8



#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001561.D

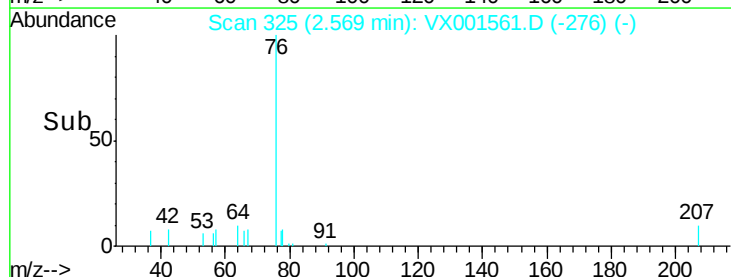
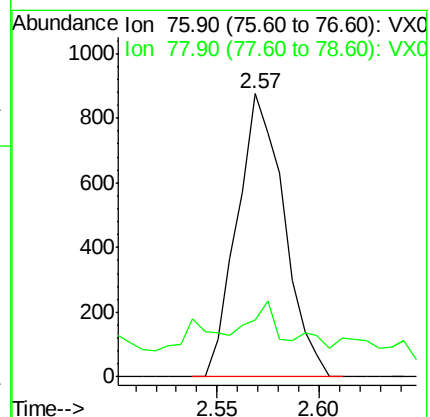
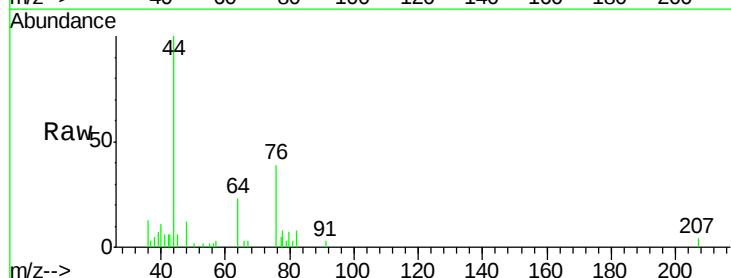
Acq: 09 May 2018 17:59

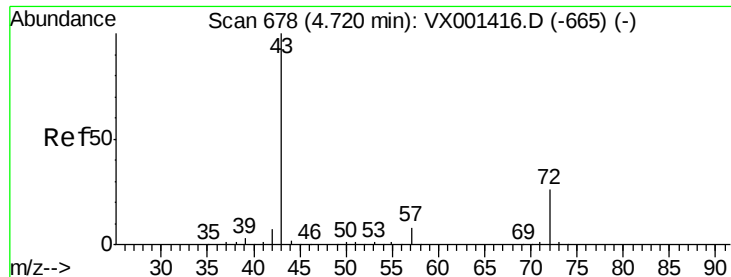
Tgt Ion: 76 Resp: 1396

Ion Ratio Lower Upper

76 100

78 6.2 7.4 11.2#





#25

2-Butanone

Concen: 0.45 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001561.D

Acq: 09 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

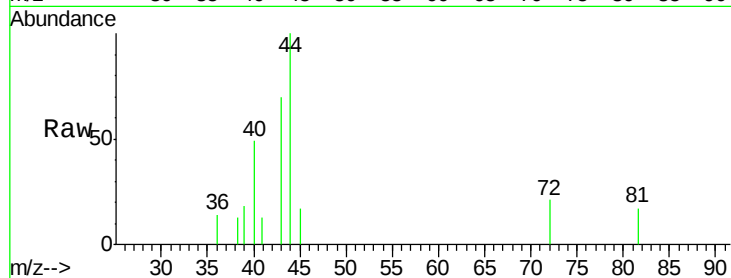
RAV-GTMW-1

Tgt Ion: 43 Resp: 1005

Ion Ratio Lower Upper

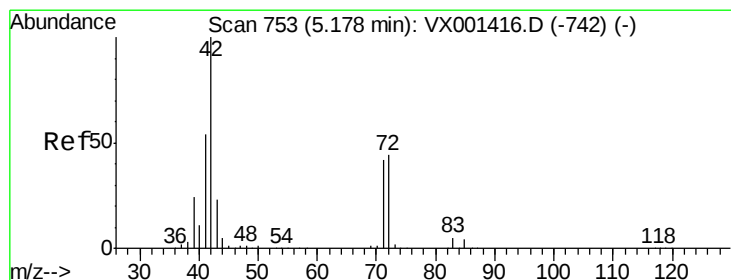
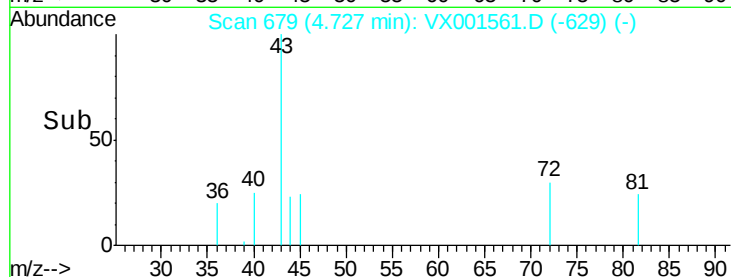
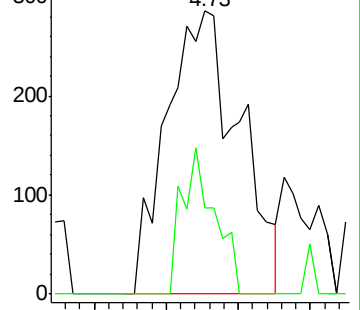
43 100

72 30.4 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.21 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001561.D

Acq: 09 May 2018 17:59

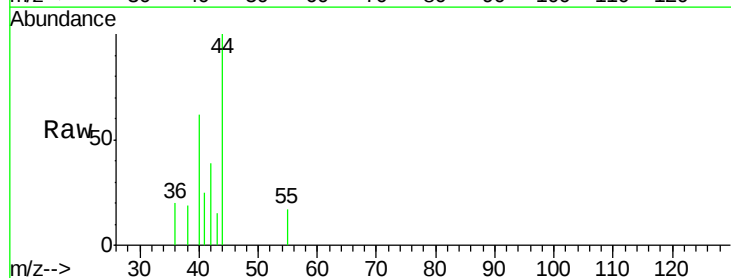
Tgt Ion: 42 Resp: 298

Ion Ratio Lower Upper

42 100

72 0.0 35.4 53.2#

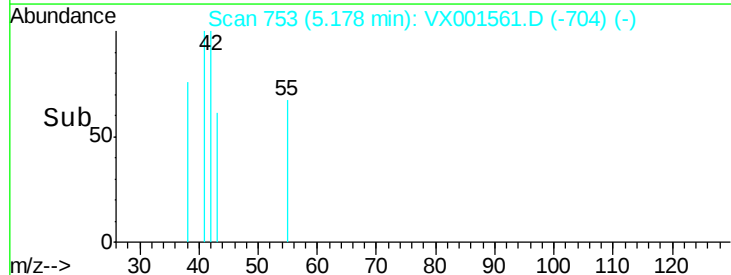
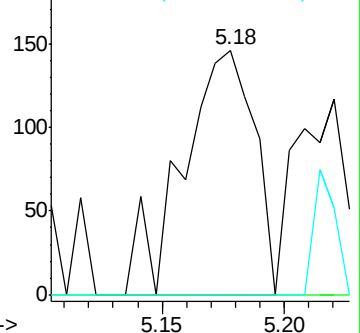
71 0.0 33.0 49.4#

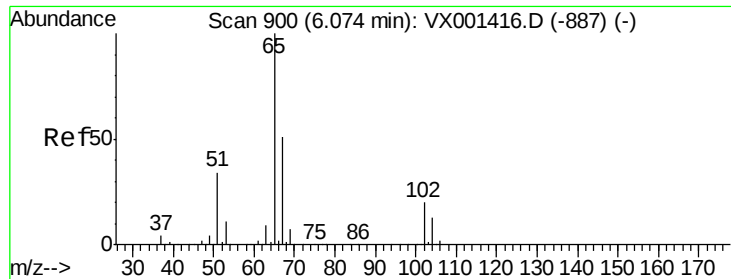


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

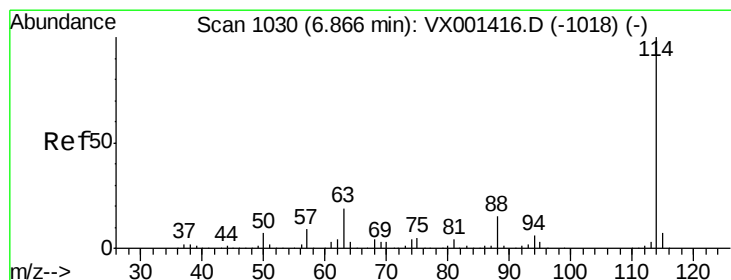
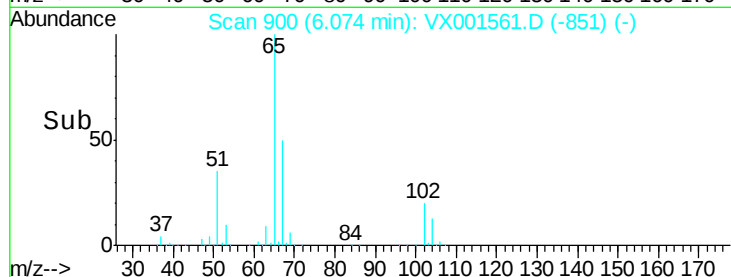
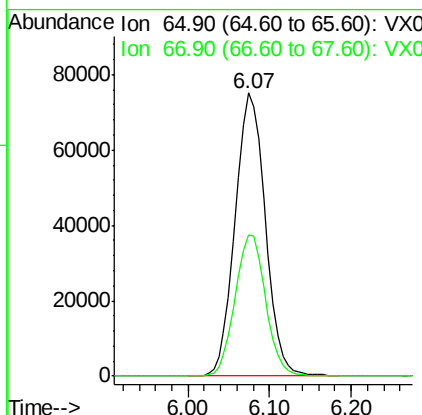
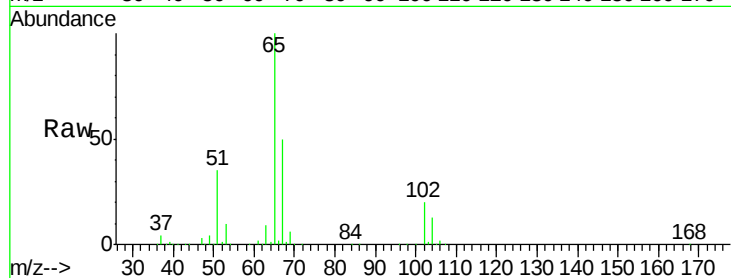




#33
 1,2-Dichloroethane-d4
 Concen: 57.30 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001561.D
 Acq: 09 May 2018 17:59

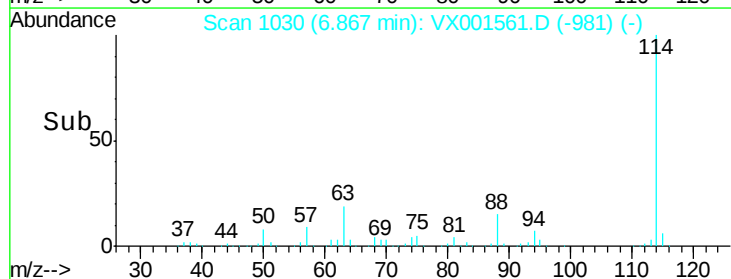
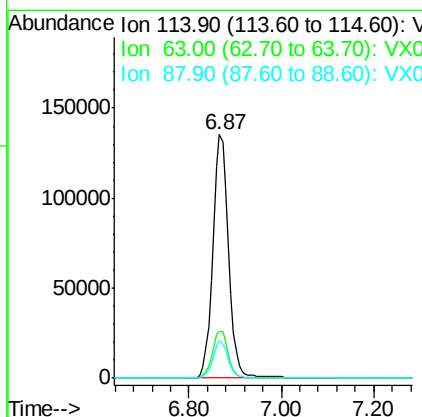
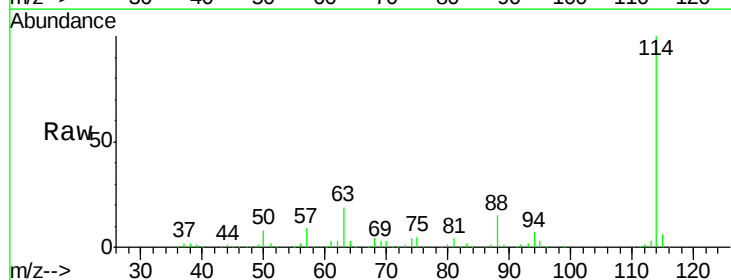
Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-GTMW-1

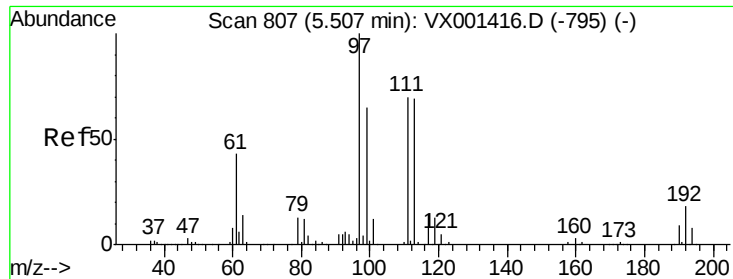
Tgt Ion: 65 Resp: 193097
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001561.D
 Acq: 09 May 2018 17:59

Tgt Ion: 114 Resp: 319637
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.2 0.0 30.8

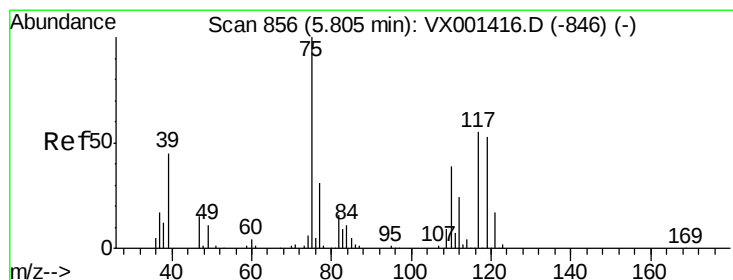
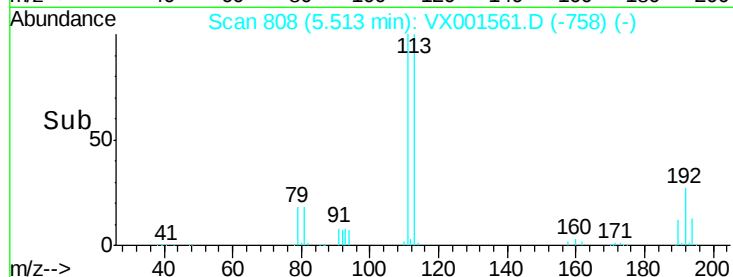
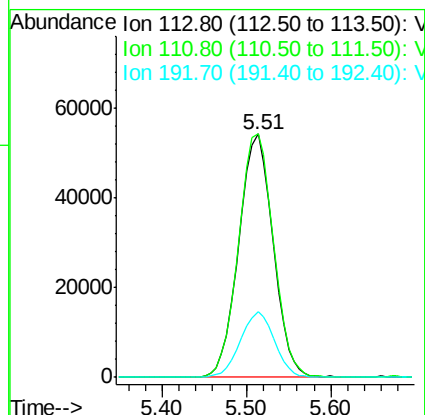
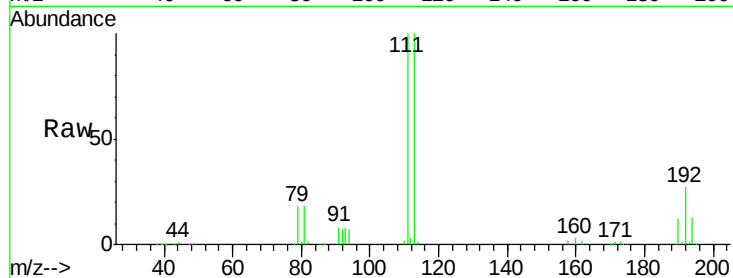




#35
 Dibromofluoromethane
 Concen: 52.84 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001561.D
 Acq: 09 May 2018 17:59

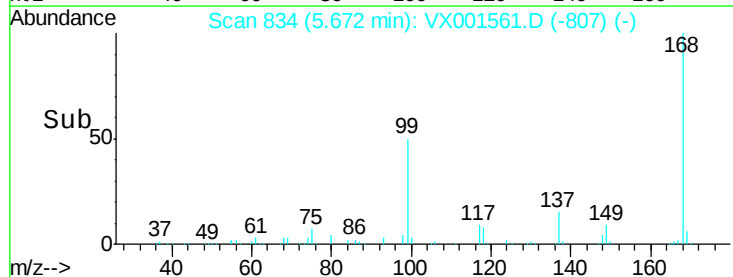
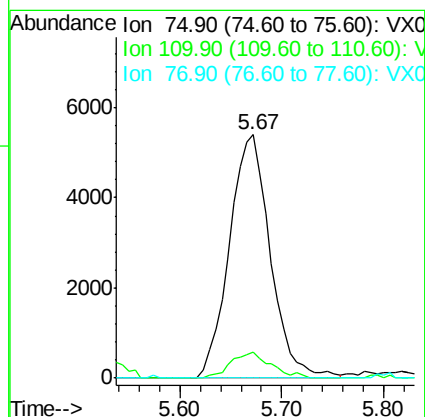
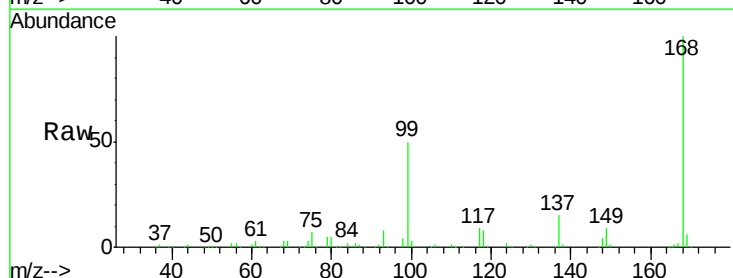
Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-GTMW-1

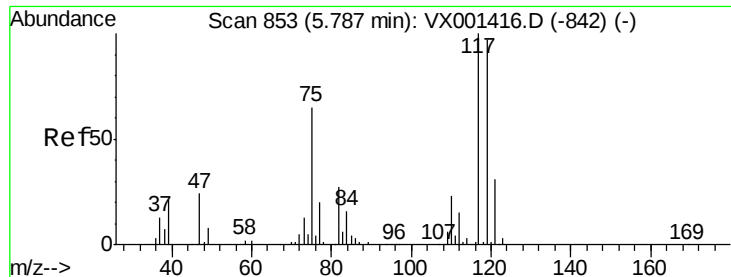
Tgt Ion:113 Resp: 150233
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.2 123.2
 192 26.7 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.68 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001561.D
 Acq: 09 May 2018 17:59

Tgt Ion: 75 Resp: 14965
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.72 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001561.D

Acq: 09 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

RAV-GTMW-1

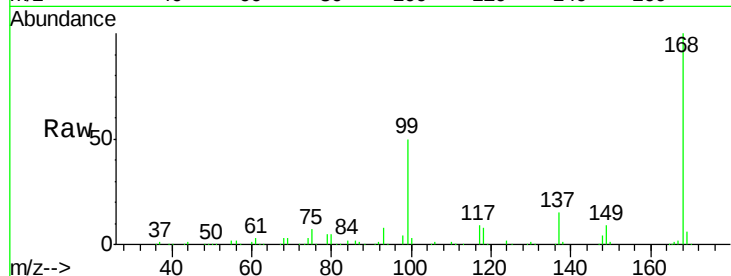
Tgt Ion: 117 Resp: 20479

Ion Ratio Lower Upper

117 100

119 4.6 77.0 115.6#

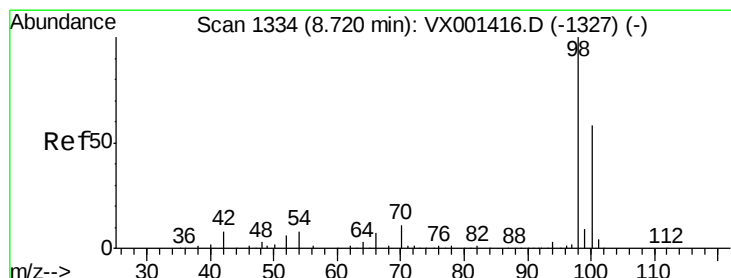
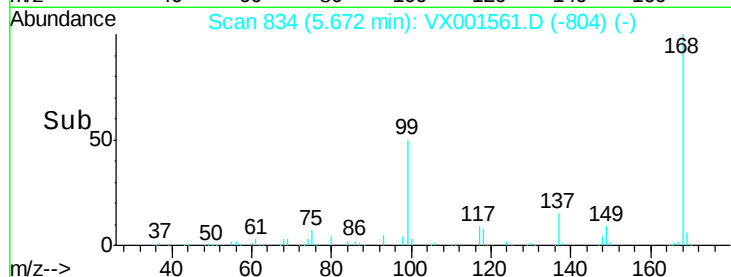
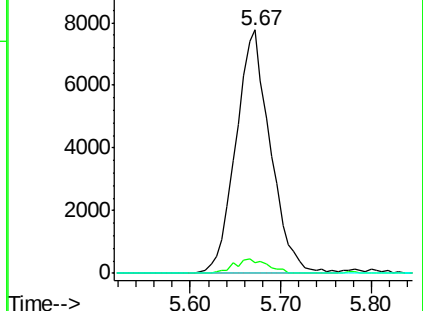
121 0.0 25.1 37.7#



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



#50

Toluene-d8

Concen: 50.85 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001561.D

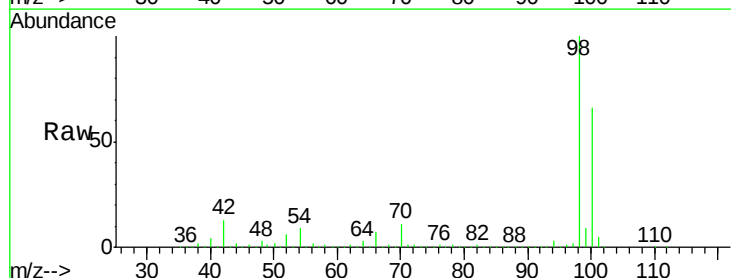
Acq: 09 May 2018 17:59

Tgt Ion: 98 Resp: 527741

Ion Ratio Lower Upper

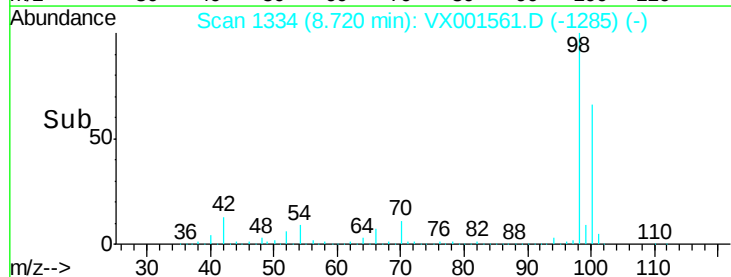
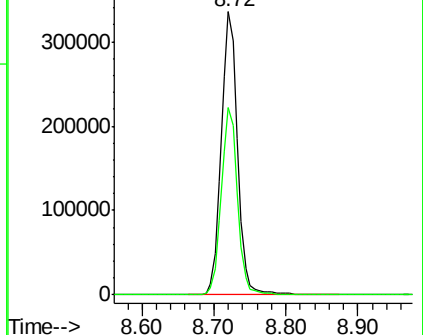
98 100

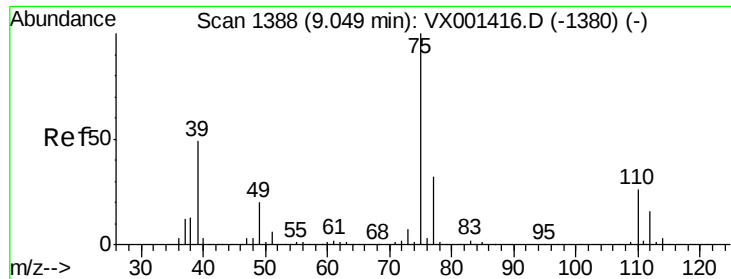
100 65.7 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



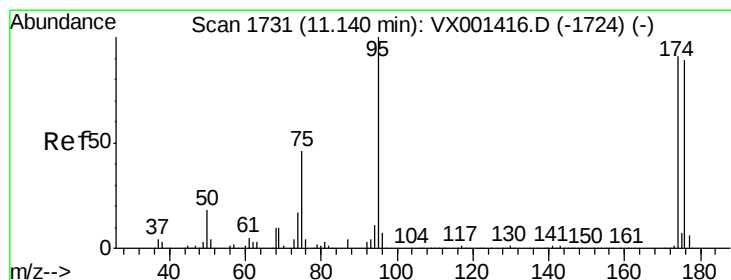
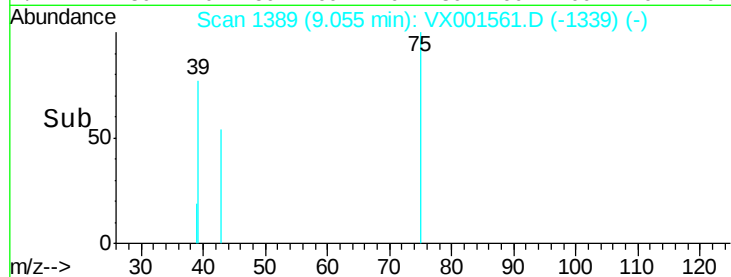
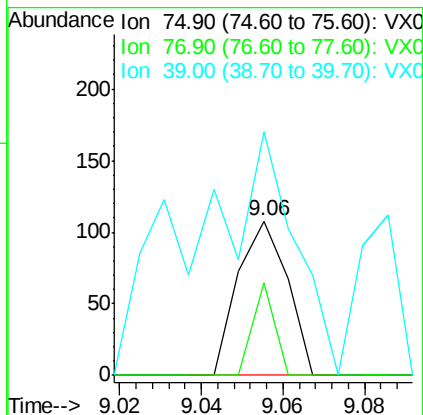
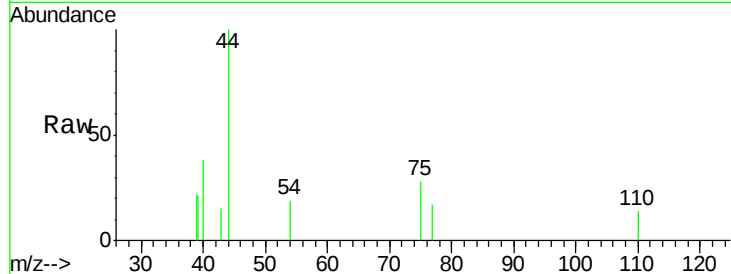


#54

cis-1,3-Dichloropropene
Concen: 2.28 ug/l
RT: 9.06 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VX001561.D
Acq: 09 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
RAV-GTMW-1

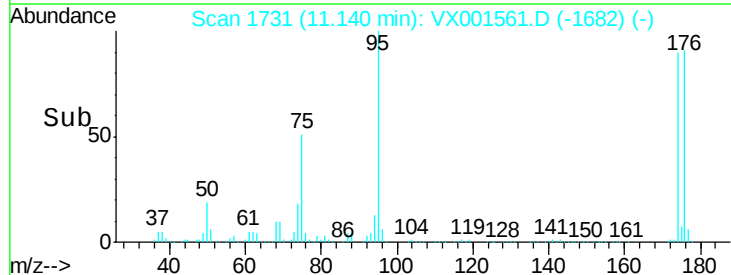
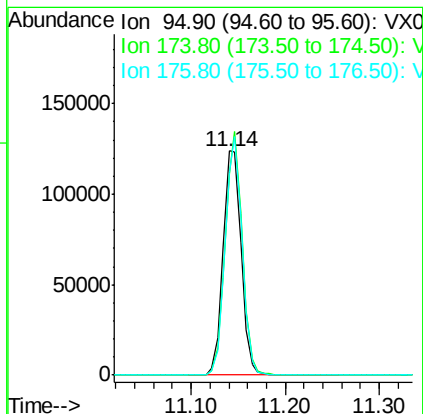
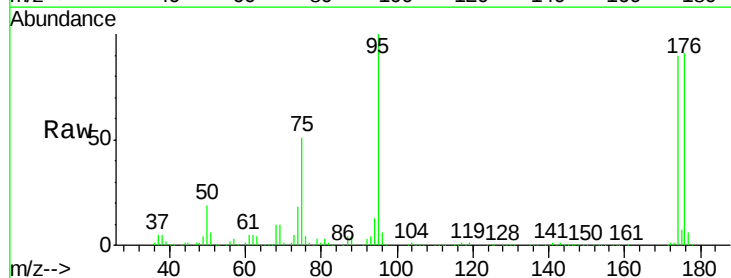
Tgt Ion: 75 Resp: 91
Ion Ratio Lower Upper
75 100
77 60.2 25.5 38.3#
39 157.4 38.9 58.3#

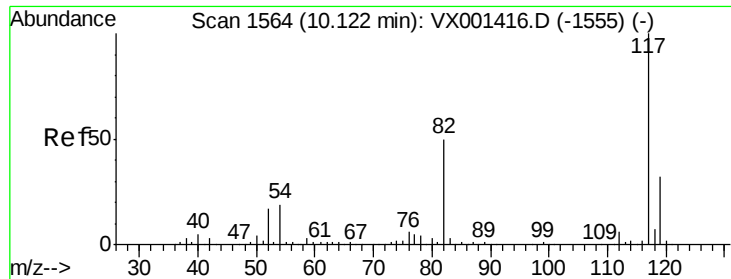


#62

4-Bromofluorobenzene
Concen: 41.47 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001561.D
Acq: 09 May 2018 17:59

Tgt Ion: 95 Resp: 165217
Ion Ratio Lower Upper
95 100
174 101.1 0.0 202.0
176 99.3 0.0 197.4

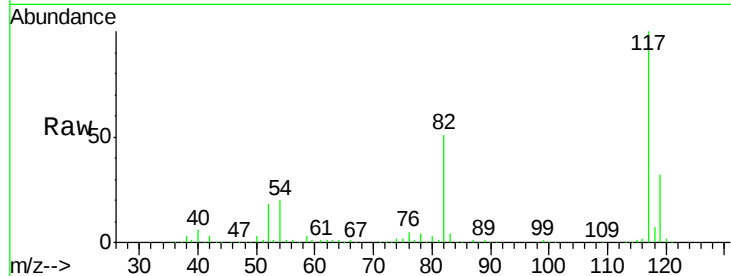




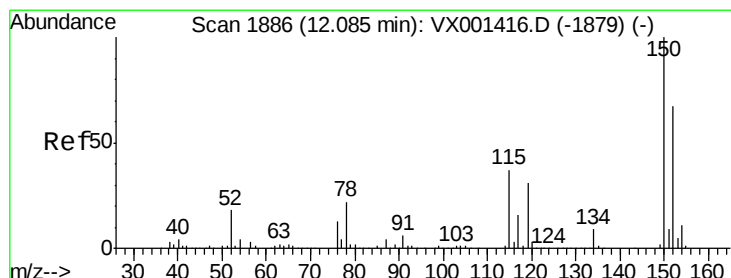
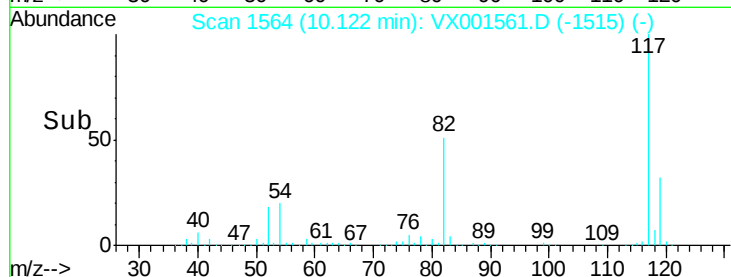
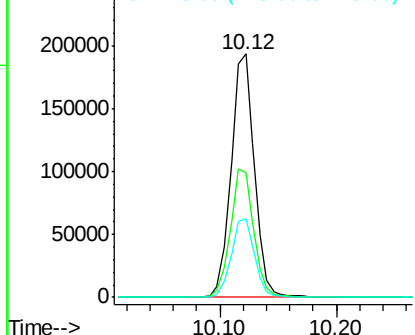
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VX001561.D
 Acq: 09 May 2018 17:59

Instrument :
 MSVOA_X
 ClientSampled :
 RAV-GTMW-1

Tgt Ion:117 Resp: 269214
 Ion Ratio Lower Upper
 117 100
 82 51.3 40.0 60.0
 119 32.1 25.8 38.8

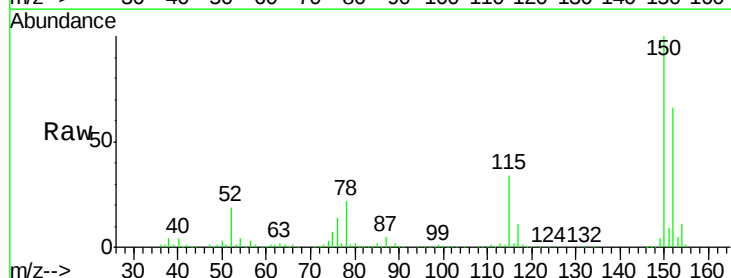


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

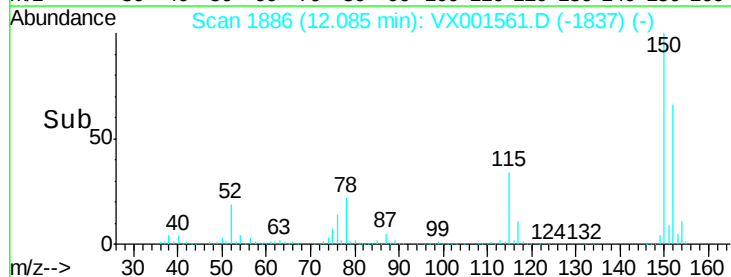
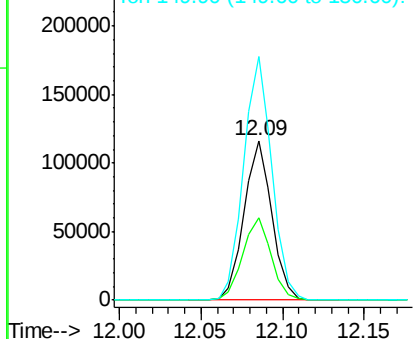


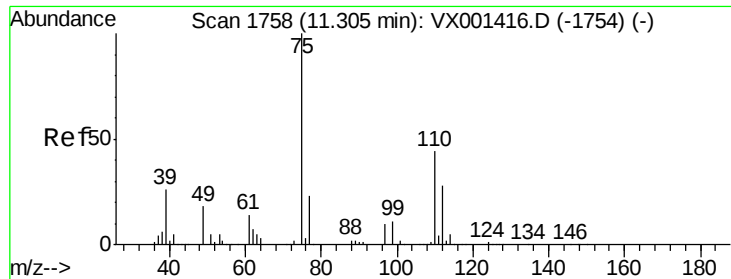
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX001561.D
 Acq: 09 May 2018 17:59

Tgt Ion:152 Resp: 138178
 Ion Ratio Lower Upper
 152 100
 115 52.7 37.7 113.1
 150 154.6 0.0 349.4



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: 29.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001561.D

Acq: 09 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

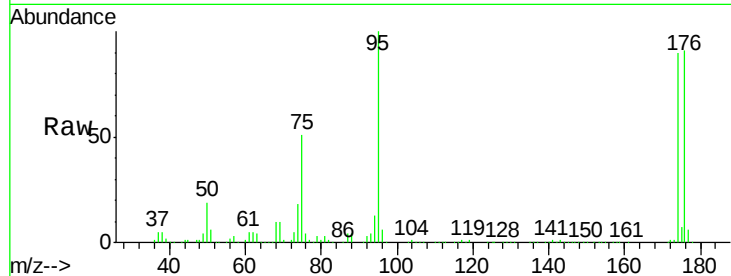
RAV-GTMW-1

Tgt Ion: 75 Resp: 83767

Ion Ratio Lower Upper

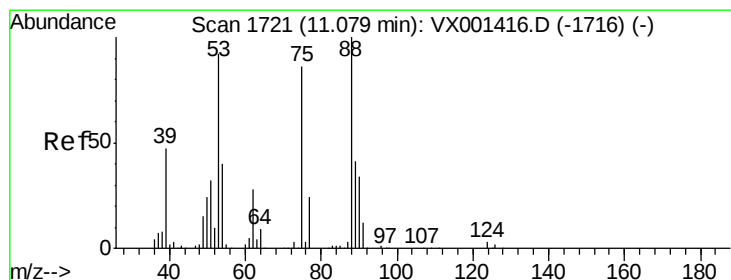
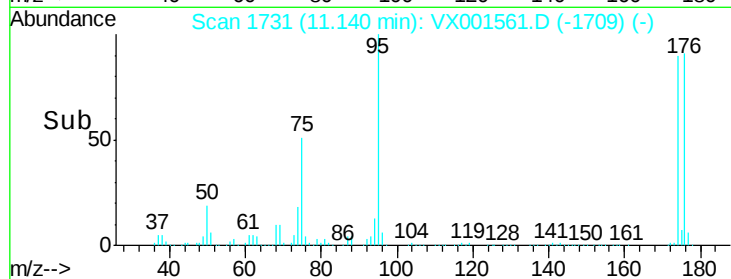
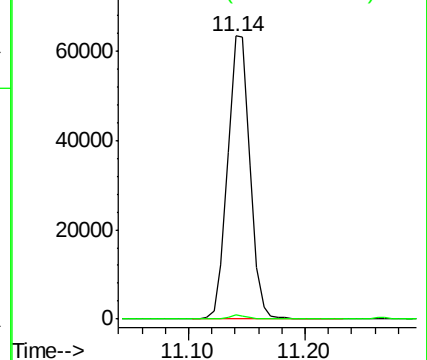
75 100

77 1.4 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: 91.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001561.D

Acq: 09 May 2018 17:59

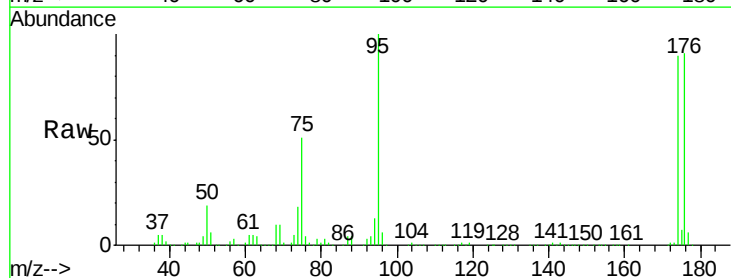
Tgt Ion: 75 Resp: 83767

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.0 39.5 59.3#



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

