

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
 Data File : VX002768.D
 Acq On : 21 Jun 2018 03:51
 Operator : JC/MD
 Sample : PB110408ZHE#07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 05:58:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	218993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	308623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	291776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	166158	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	152163	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
35) Dibromofluoromethane	5.51	113	120480	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	8.72	98	445238	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
62) 4-Bromofluorobenzene	11.14	95	155389	43.85	ug/l	0.00
Spiked Amount			Recovery	=	87.70%	

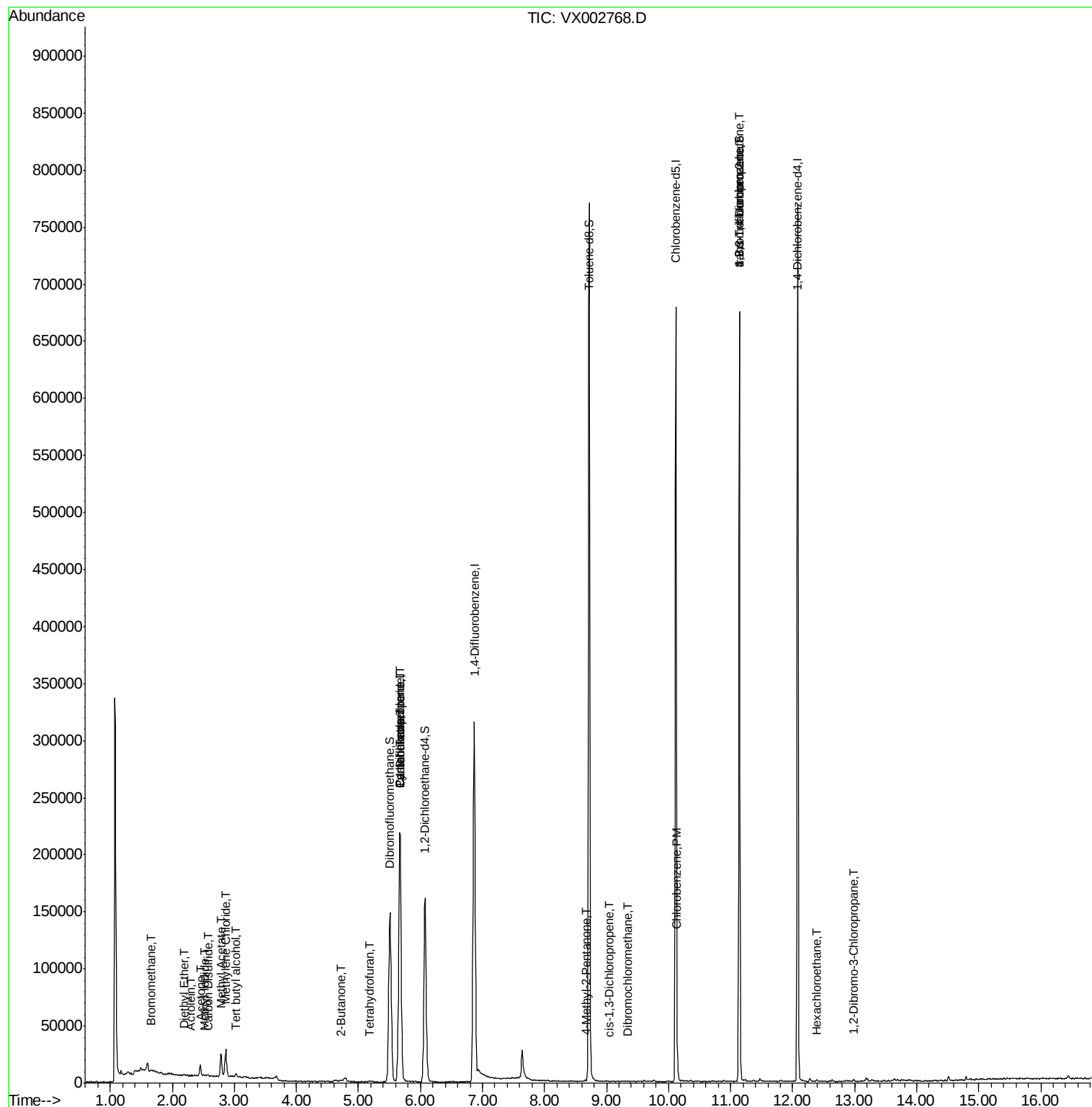
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1090	0.63	ug/l	98
8) Diethyl Ether	2.19	74	523	0.29	ug/l	97
10) Methyl Iodide	2.52	142	1261	5.50	ug/l #	96
11) Tert butyl alcohol	3.02	59	1659	2.41	ug/l #	88
13) Acrolein	2.31	56	350	7.92	ug/l #	57
16) Acetone	2.45	43	10399	7.08	ug/l	98
17) Carbon Disulfide	2.57	76	1322	0.23	ug/l #	48
18) Methyl Acetate	2.78	43	24625	6.30	ug/l	97
20) Methylene Chloride	2.86	84	11562	3.84	ug/l	97
25) 2-Butanone	4.71	43	752	0.39	ug/l	98
29) Tetrahydrofuran	5.17	42	431	0.34	ug/l #	68
31) Cyclohexane	5.67	56	4596	1.17	ug/l #	25
36) 1,1-Dichloropropene	5.67	75	15267	4.66	ug/l #	41
38) Carbon Tetrachloride	5.67	117	20567	6.30	ug/l #	15
51) 4-Methyl-2-Pentanone	8.67	43	1051	0.27	ug/l #	86
54) cis-1,3-Dichloropropene	9.04	75	27	3.22	ug/l #	61
60) Dibromochloromethane	9.34	129	67	3.78	ug/l #	11
65) Chlorobenzene	10.14	112	3663	0.51	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	82542	26.33	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	82542	81.37	ug/l #	7
90) Hexachloroethane	12.40	117	20	2.64	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.98	75	278	0.40	ug/l #	1

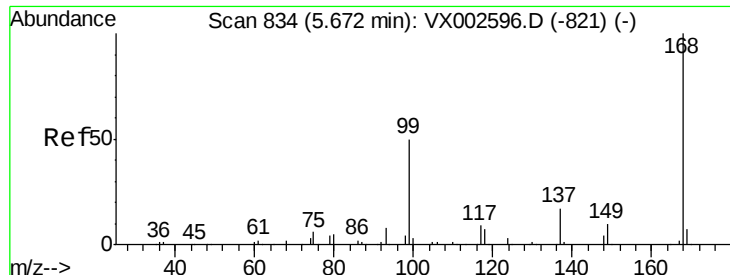
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 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: VX002768.D

Acq: 21 Jun 2018 03:51

Instrument :

MSVOA_X

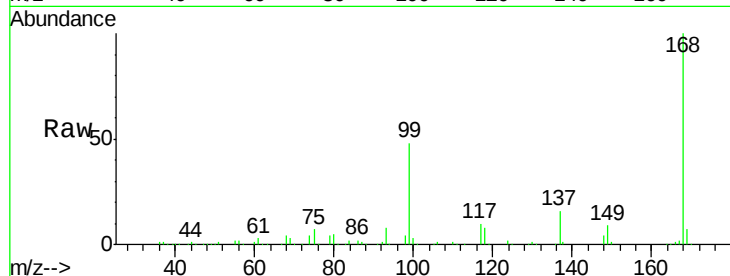
ClientSampled :

Tot Ion:168 Resp: 218993

Ion Ratio Lower Upper

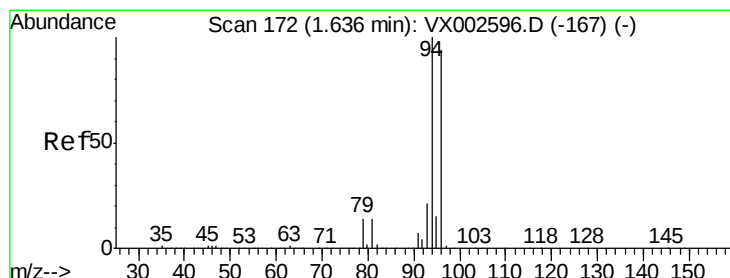
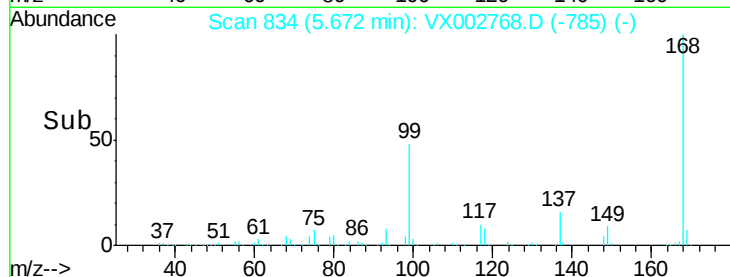
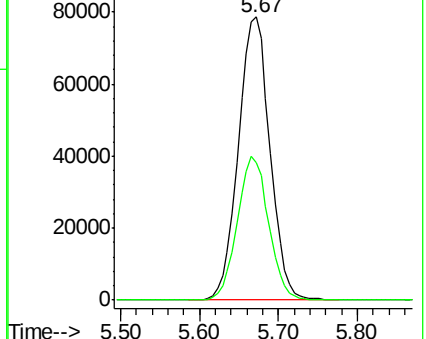
168 100

99 48.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.63 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002768.D

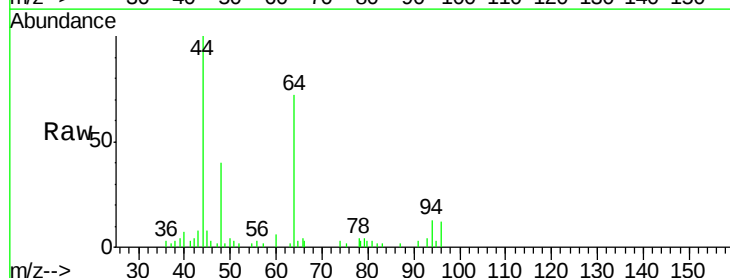
Acq: 21 Jun 2018 03:51

Tgt Ion: 94 Resp: 1090

Ion Ratio Lower Upper

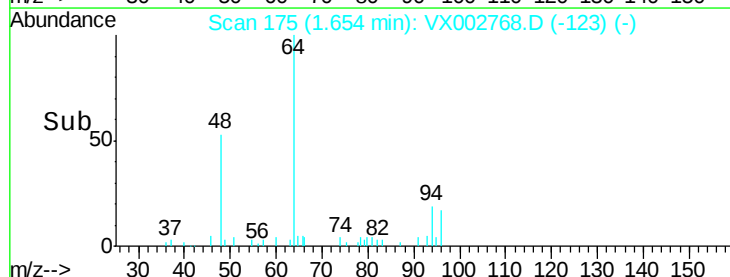
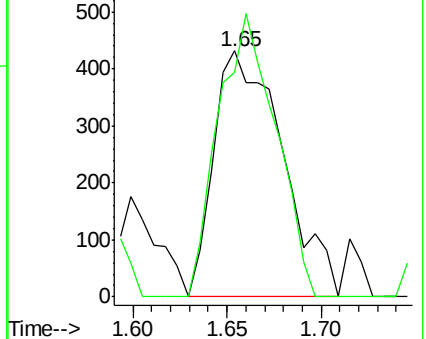
94 100

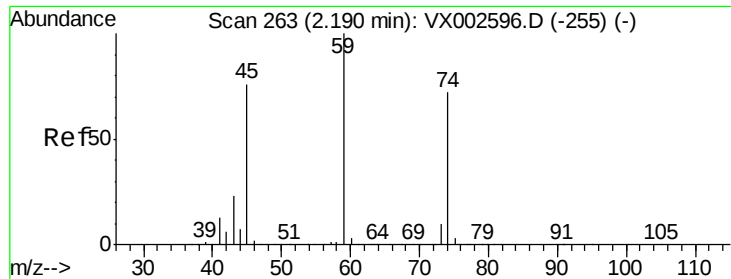
96 91.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

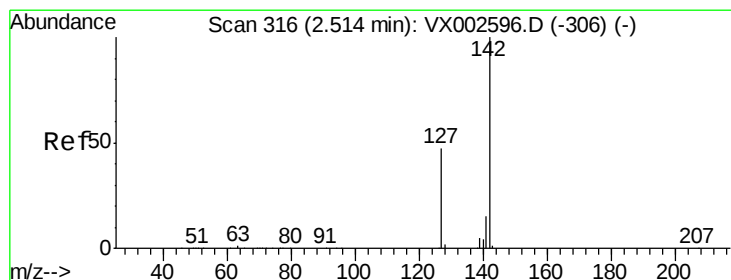
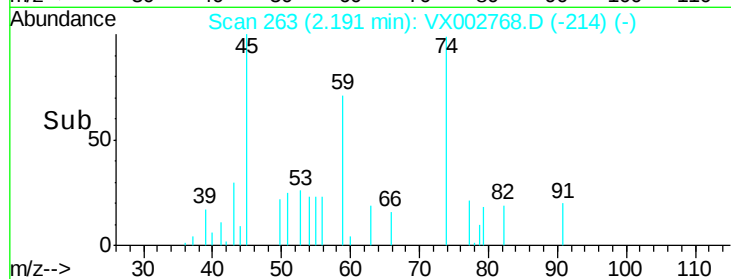
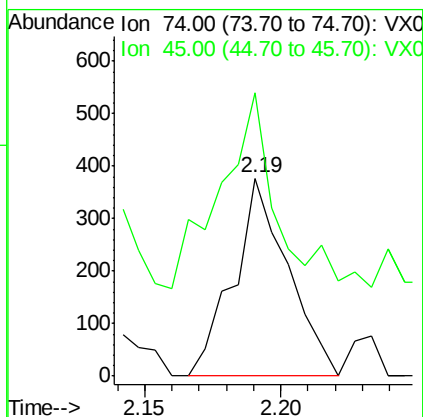
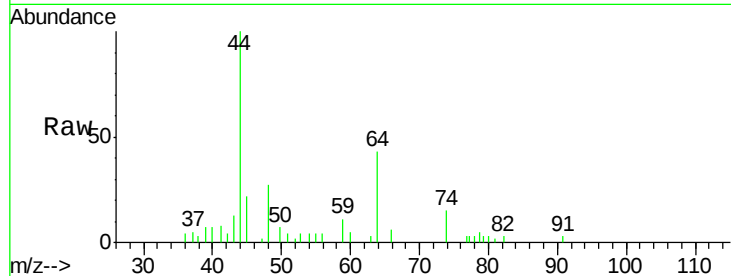




#8
Diethyl Ether
Concen: 0.29 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002768.D
Acq: 21 Jun 2018 03:51

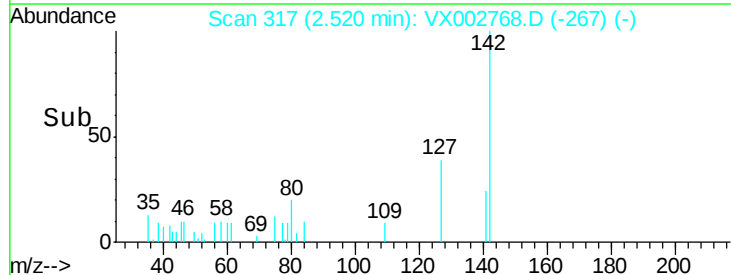
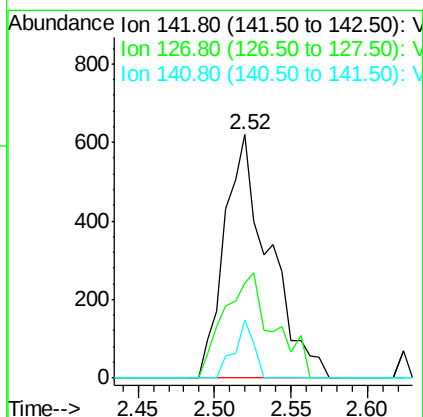
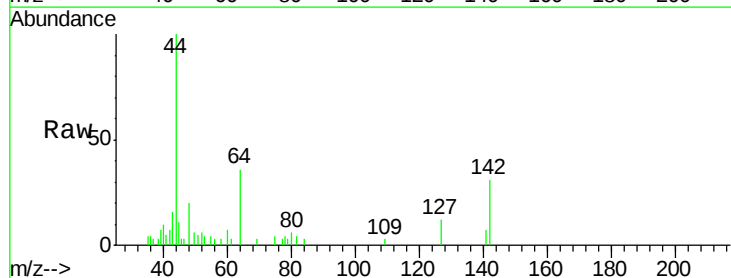
Instrument :
MSVOA_X
ClientSampled :

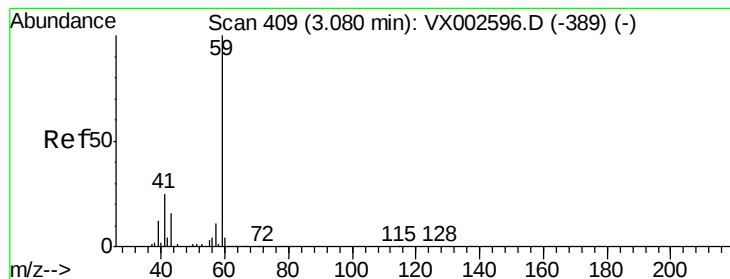
Tot Ion: 74 Resp: 523
Ion Ratio Lower Upper
74 100
45 102.7 53.1 159.4



#10
Methyl Iodide
Concen: 5.50 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002768.D
Acq: 21 Jun 2018 03:51

Tgt Ion: 142 Resp: 1261
Ion Ratio Lower Upper
142 100
127 47.3 36.6 55.0
141 10.4 11.3 16.9#



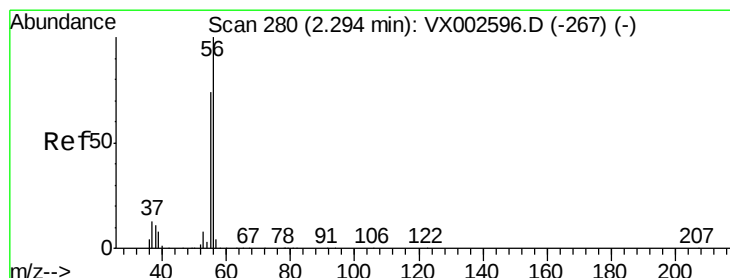
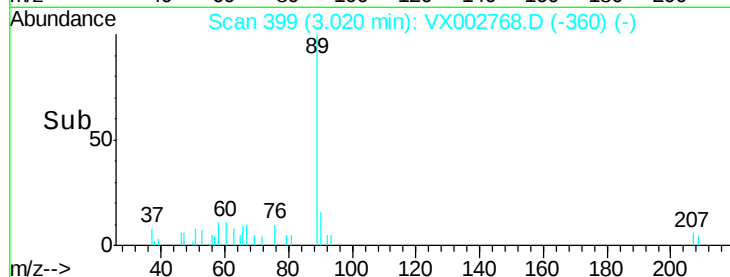
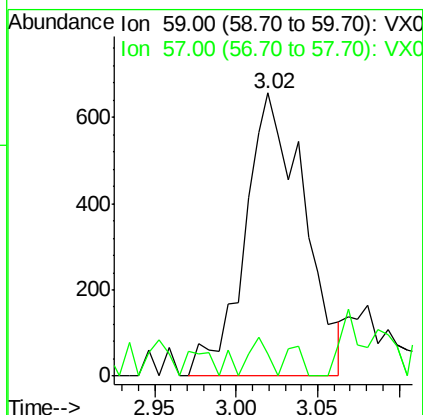
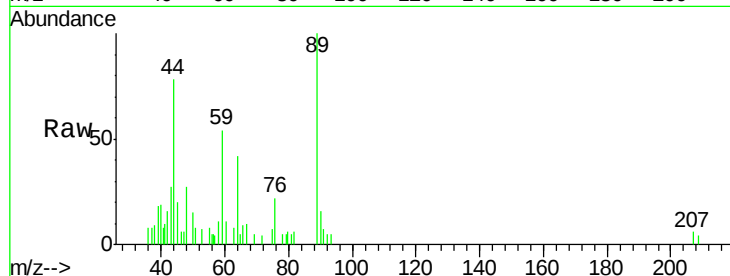


#11

Tert butyl alcohol
Concen: 2.41 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX002768.D
Acq: 21 Jun 2018 03:51

Instrument :
MSVOA_X
ClientSampleId :

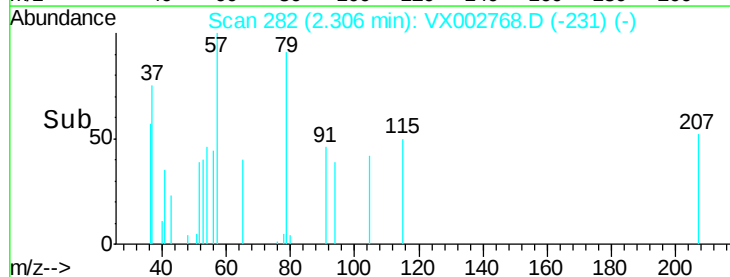
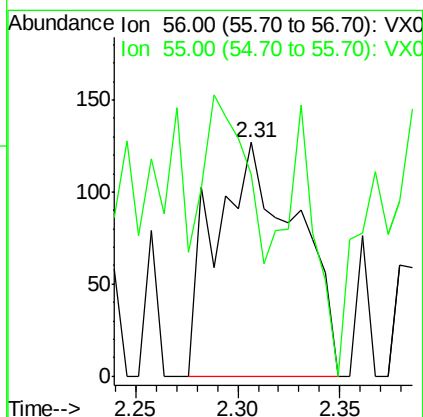
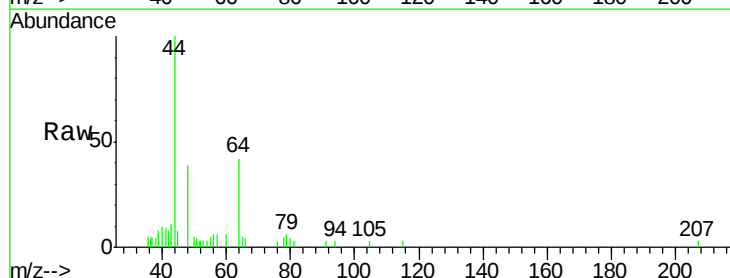
Tot Ion: 59 Resp: 1659
Ion Ratio Lower Upper
59 100
57 5.6 8.2 12.2#

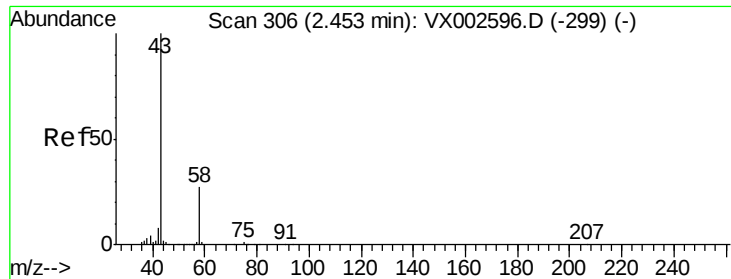


#13

Acrolein
Concen: 7.92 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX002768.D
Acq: 21 Jun 2018 03:51

Tgt Ion: 56 Resp: 350
Ion Ratio Lower Upper
56 100
55 35.4 57.0 85.4#





#16

Acetone

Concen: 7.08 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

Instrument :

MSVOA_X

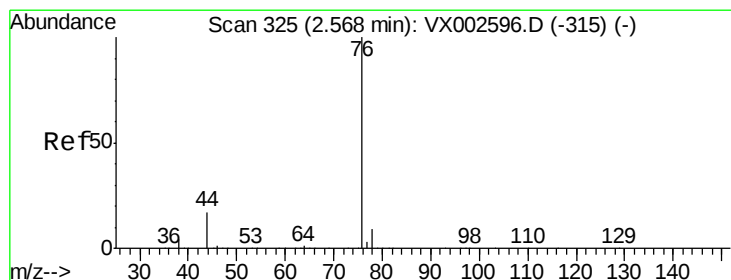
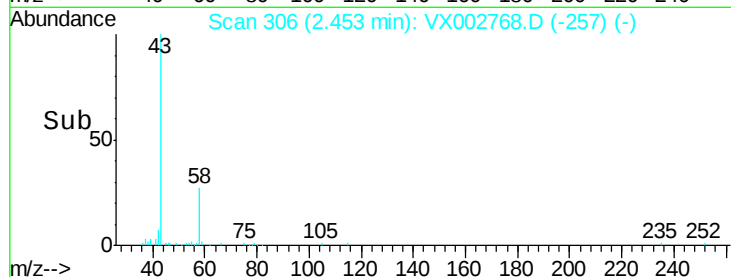
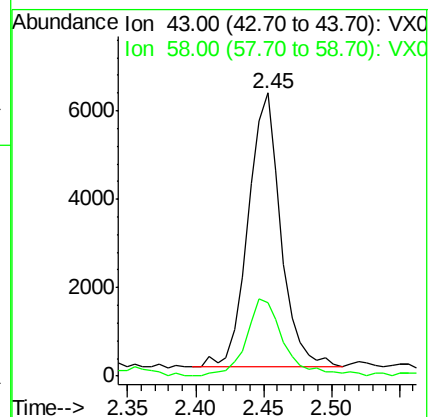
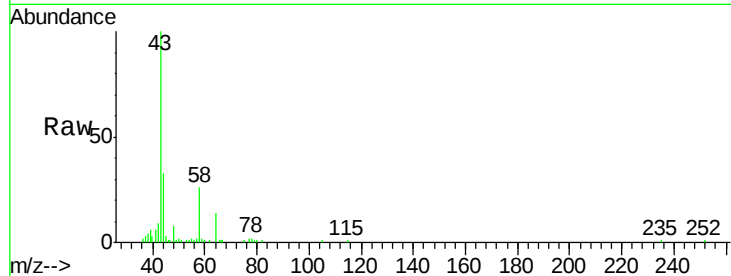
ClientSampled :

Tot Ion: 43 Resp: 10399

Ion Ratio Lower Upper

43 100

58 26.7 22.1 33.1



#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002768.D

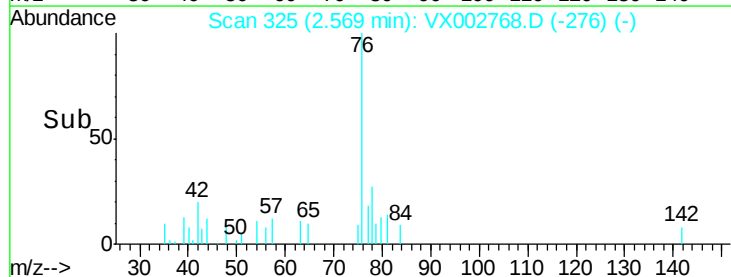
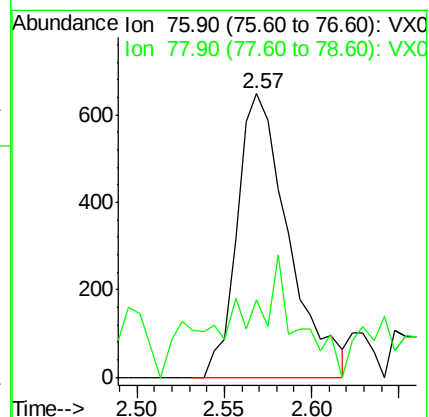
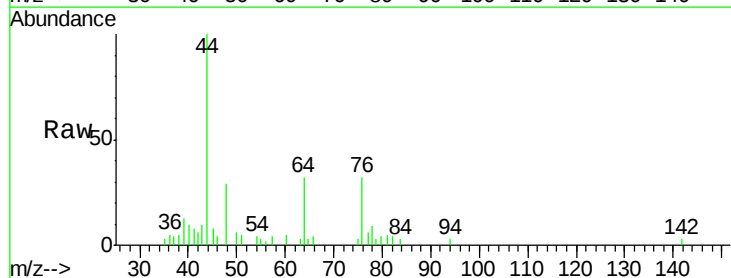
Acq: 21 Jun 2018 03:51

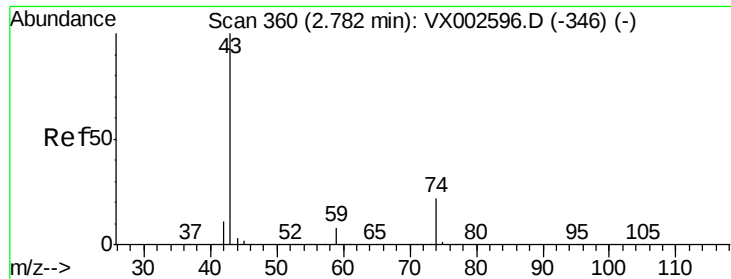
Tgt Ion: 76 Resp: 1322

Ion Ratio Lower Upper

76 100

78 27.2 6.9 10.3#

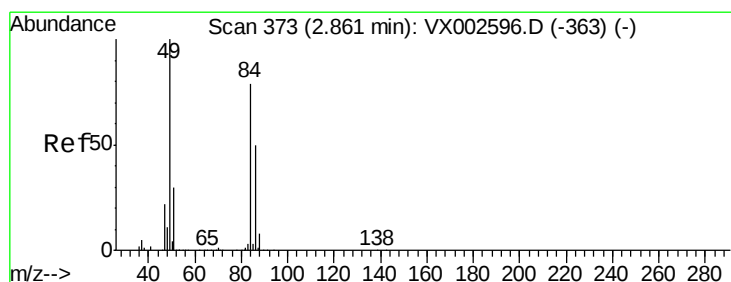
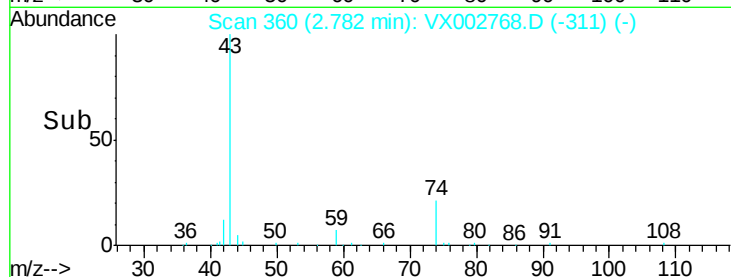
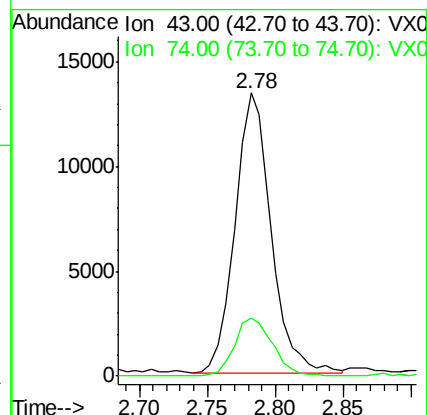
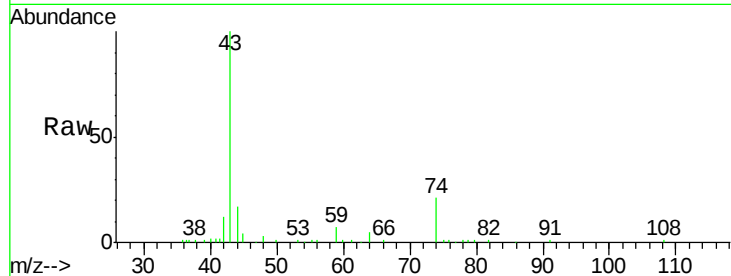




#18
Methyl Acetate
Concen: 6.30 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002768.D
Acq: 21 Jun 2018 03:51

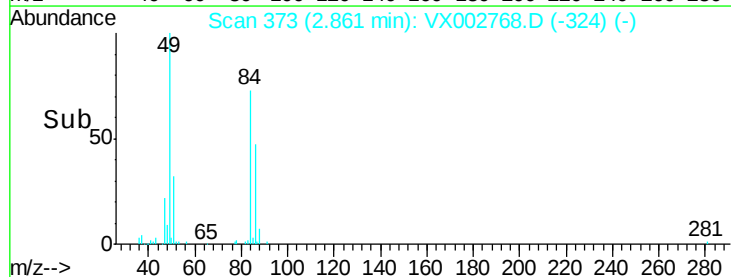
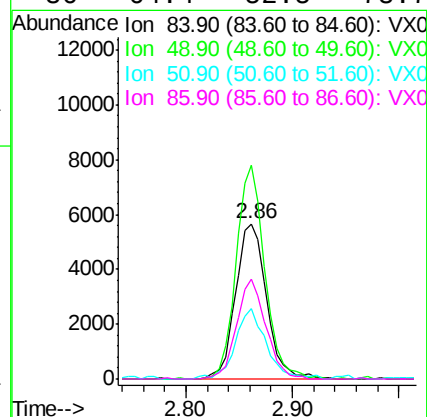
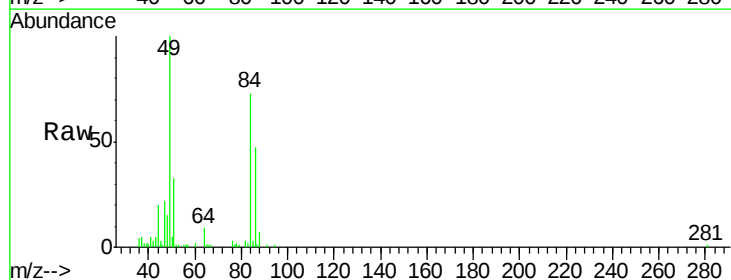
Instrument :
MSVOA_X
ClientSampleId :

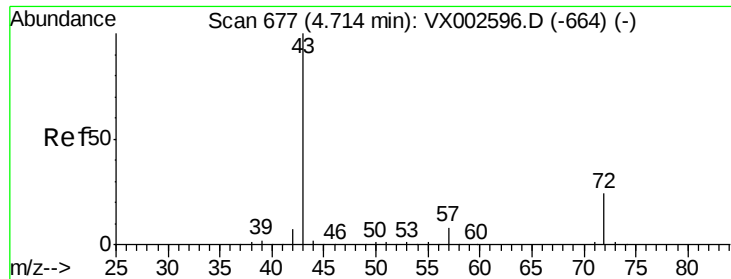
Tot Ion: 43 Resp: 24625
Ion Ratio Lower Upper
43 100
74 22.1 16.7 25.1



#20
Methylene Chloride
Concen: 3.84 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002768.D
Acq: 21 Jun 2018 03:51

Tgt Ion: 84 Resp: 11562
Ion Ratio Lower Upper
84 100
49 137.5 107.8 161.6
51 45.2 32.8 49.2
86 64.4 52.5 78.7





#25

2-Butanone

Concen: 0.39 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

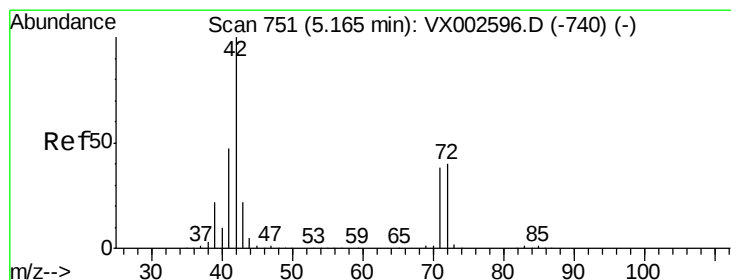
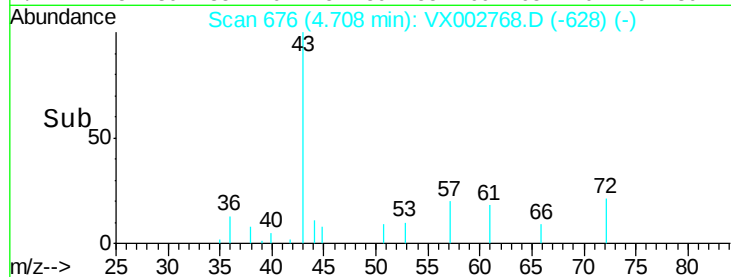
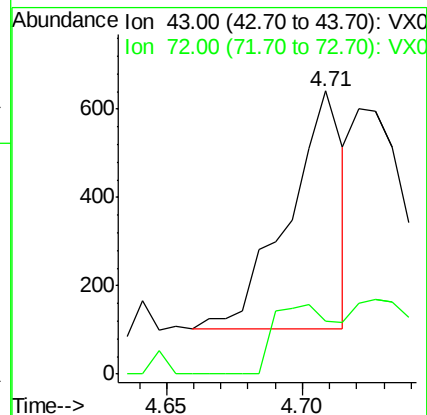
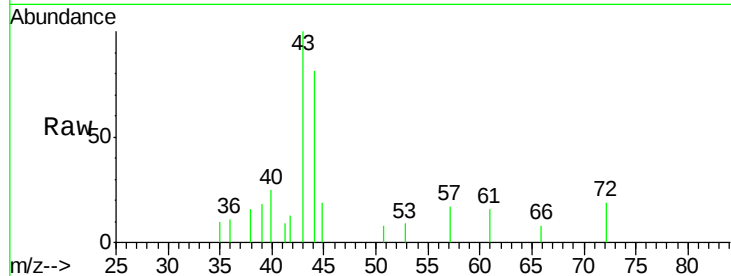
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 752

Ion Ratio Lower Upper

43 100

72 22.3 18.5 27.7



#29

Tetrahydrofuran

Concen: 0.34 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

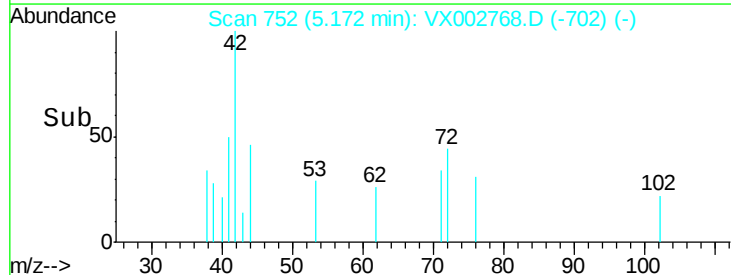
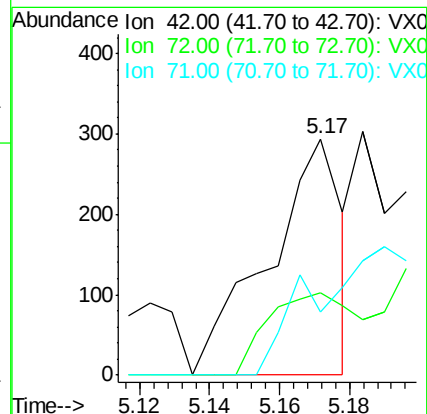
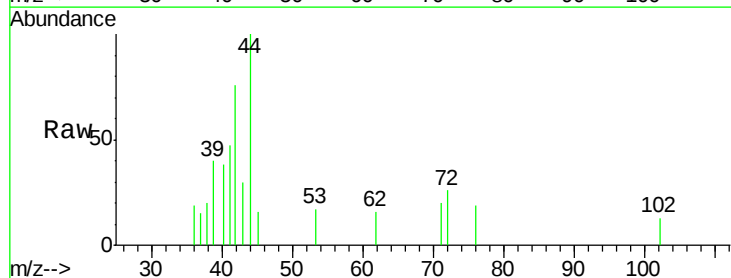
Tgt Ion: 42 Resp: 431

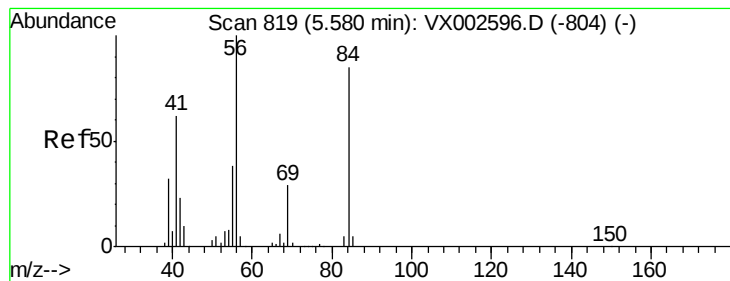
Ion Ratio Lower Upper

42 100

72 41.5 32.0 48.0

71 0.0 30.1 45.1#





#31

Cyclohexane

Concen: 1.17 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

Instrument :

MSVOA_X

ClientSampleId :

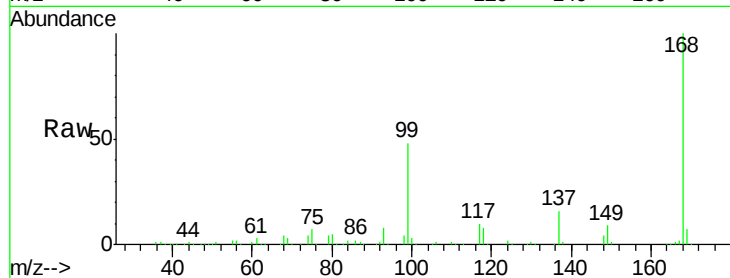
Tot Ion: 56 Resp: 4596

Ion Ratio Lower Upper

56 100

69 141.5 23.7 35.5#

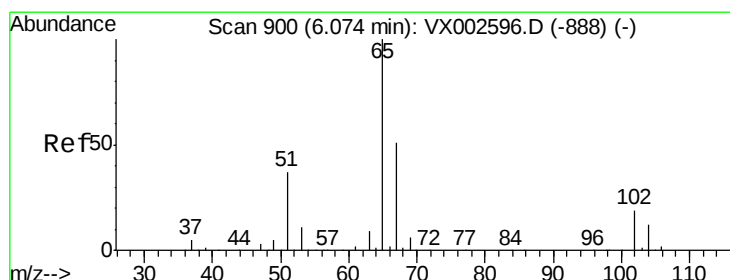
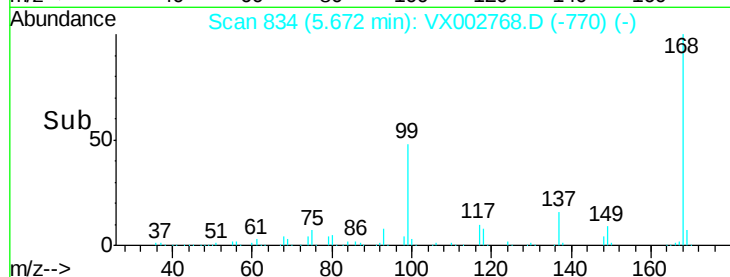
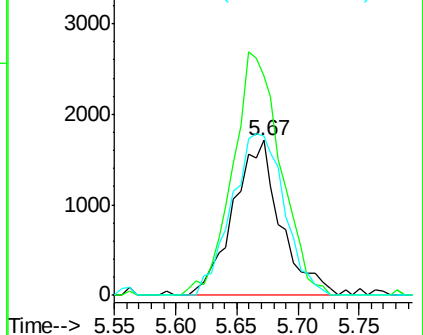
84 102.8 64.1 96.1#



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: 45.72 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002768.D

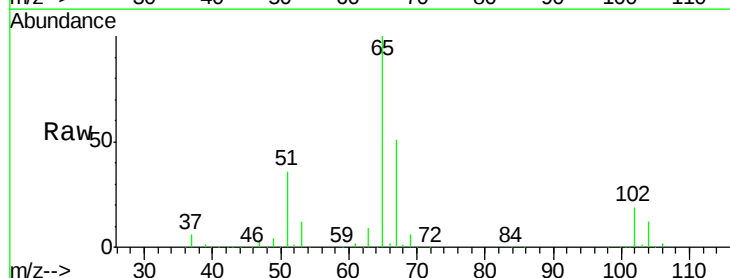
Acq: 21 Jun 2018 03:51

Tgt Ion: 65 Resp: 152163

Ion Ratio Lower Upper

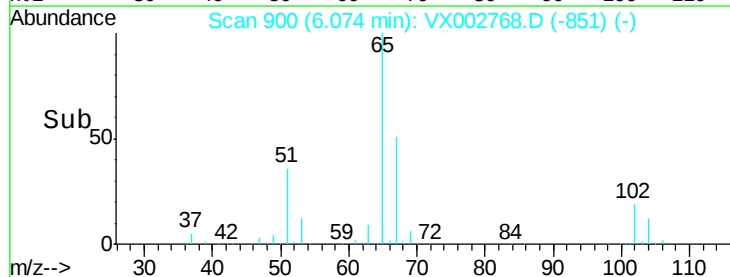
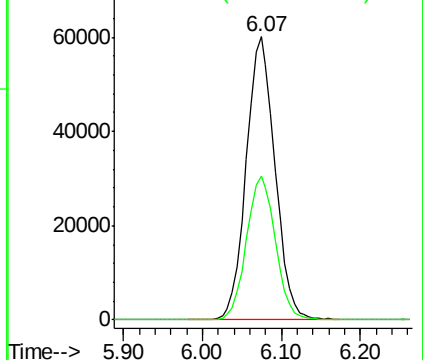
65 100

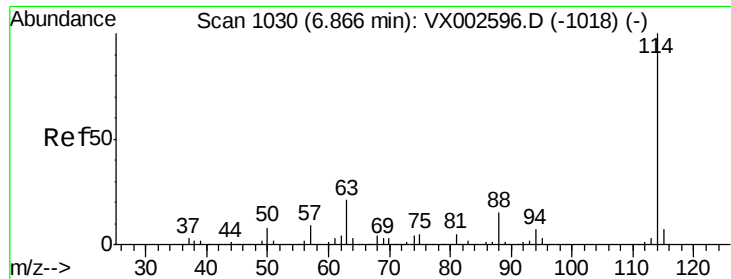
67 51.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

Instrument :

MSVOA_X

ClientSampleId :

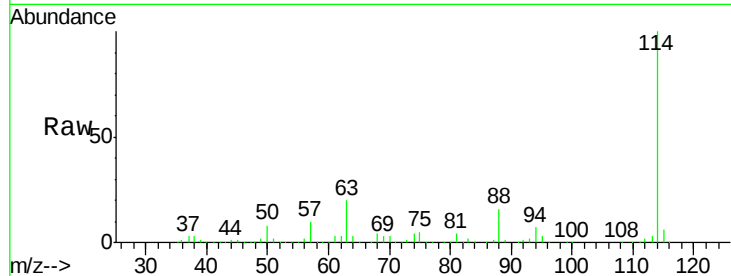
Tot Ion:114 Resp: 308623

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

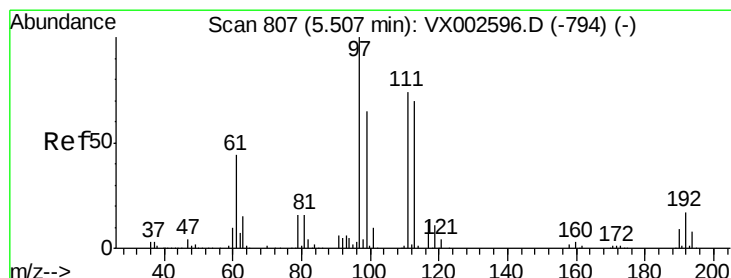
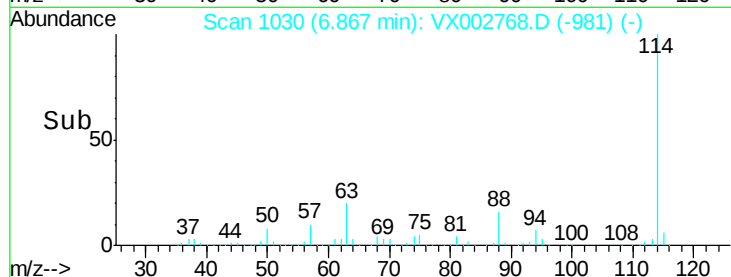
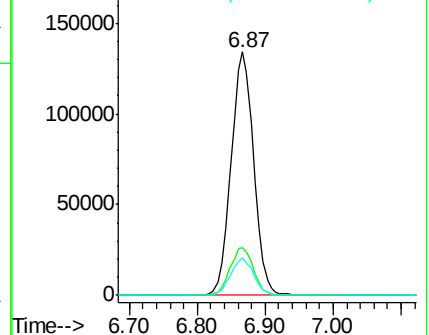
88 15.6 0.0 30.0



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: 48.91 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

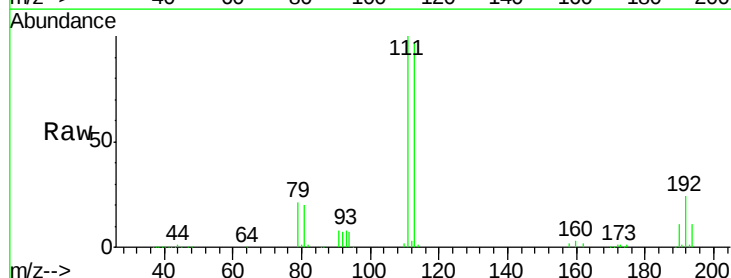
Tgt Ion:113 Resp: 120480

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

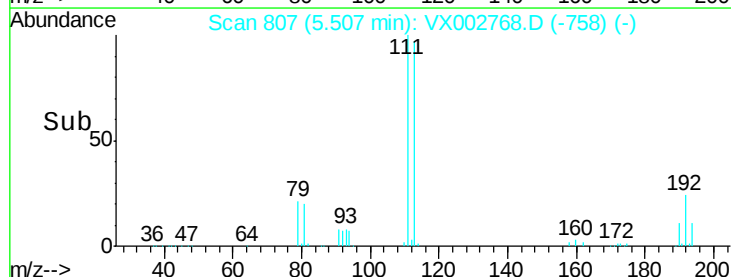
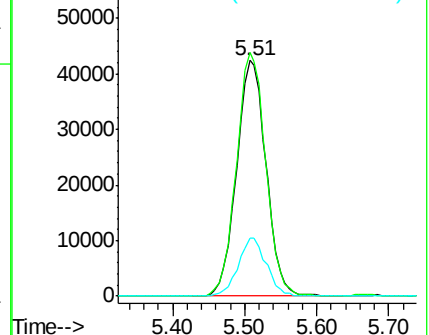
192 23.6 19.1 28.7

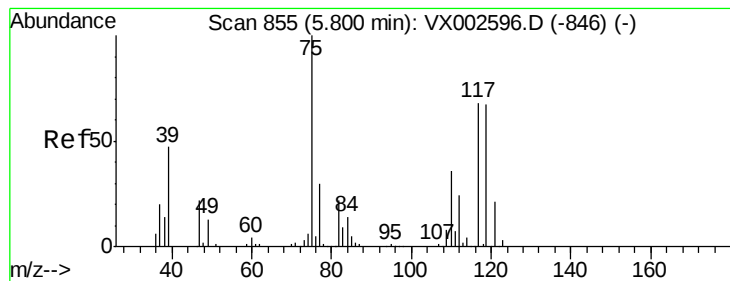


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.66 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

Instrument :

MSVOA_X

ClientSampleId :

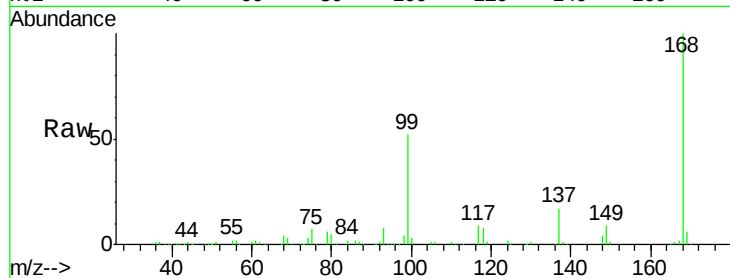
Tot Ion: 75 Resp: 15267

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.4#

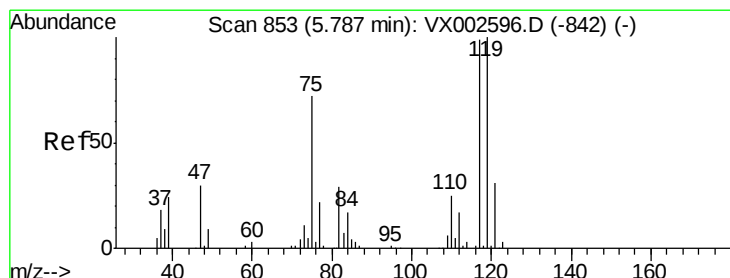
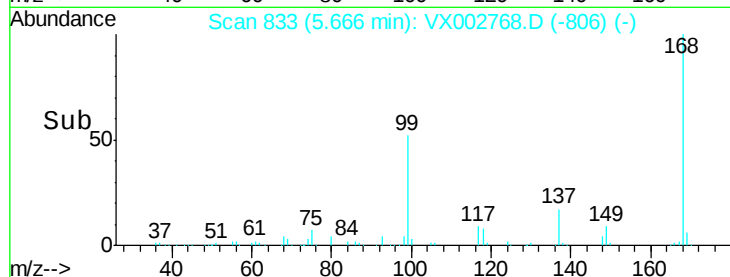
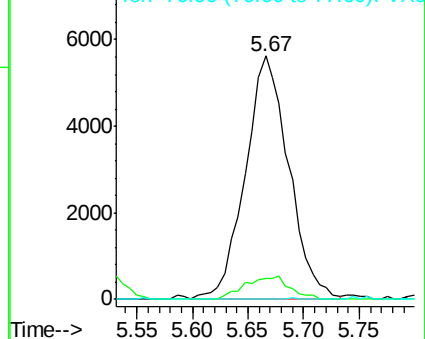
77 0.0 24.3 36.5#



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: 6.30 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

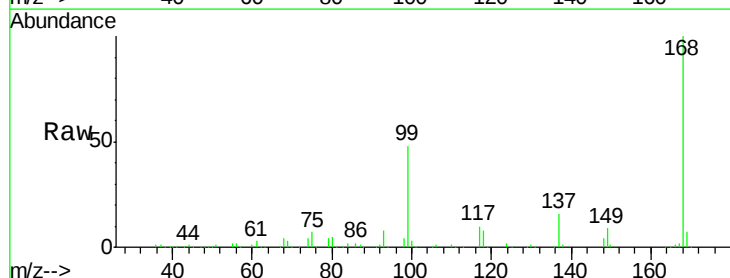
Tgt Ion:117 Resp: 20567

Ion Ratio Lower Upper

117 100

119 4.3 77.4 116.0#

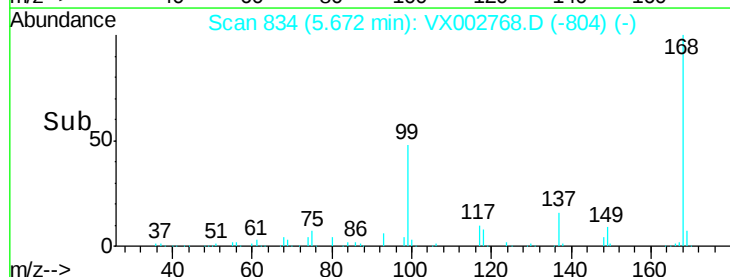
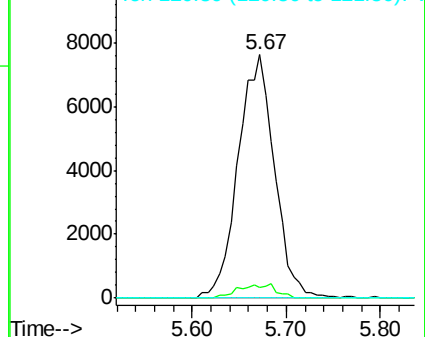
121 0.0 24.4 36.6#

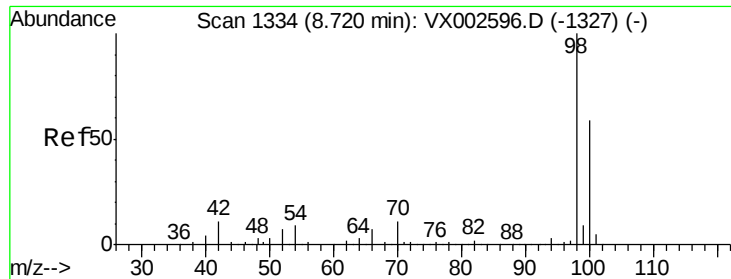


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 47.61 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

Instrument :

MSVOA_X

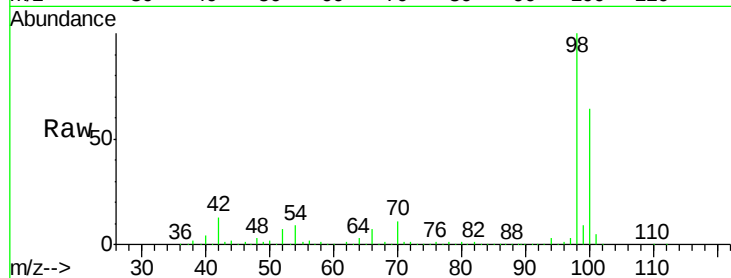
ClientSampleId :

Tot Ion: 98 Resp: 445238

Ion Ratio Lower Upper

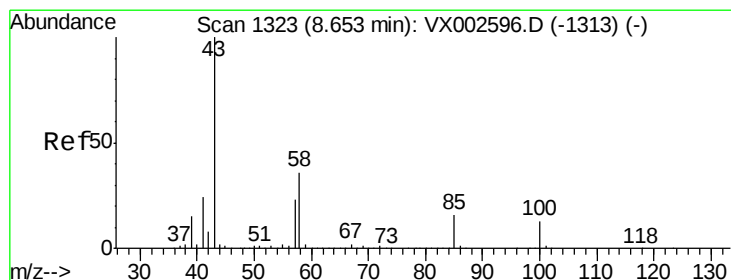
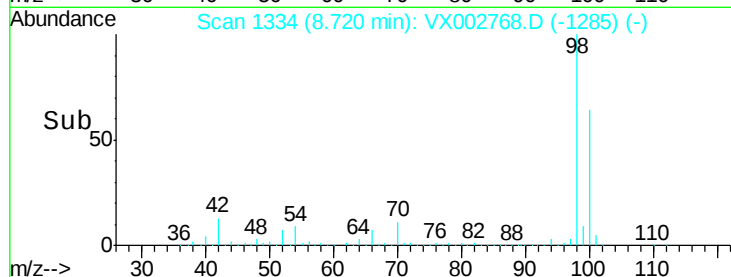
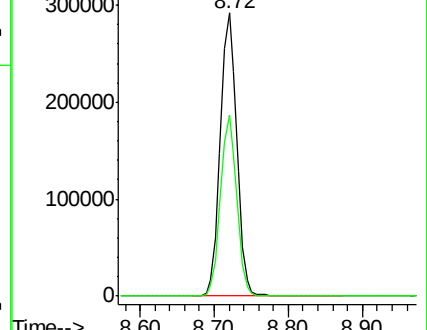
98 100

100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.27 ug/l

RT: 8.67 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX002768.D

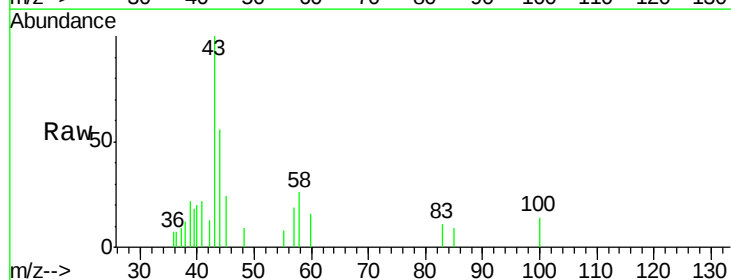
Acq: 21 Jun 2018 03:51

Tgt Ion: 43 Resp: 1051

Ion Ratio Lower Upper

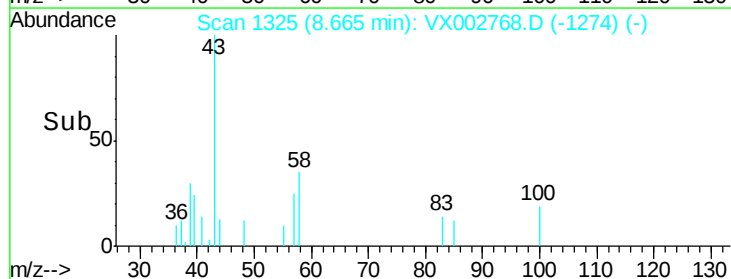
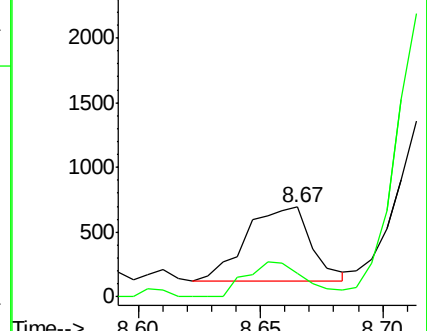
43 100

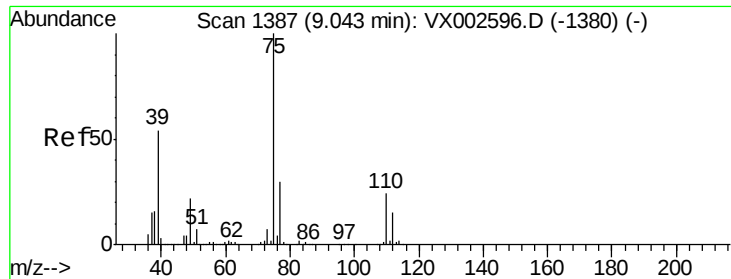
58 43.7 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

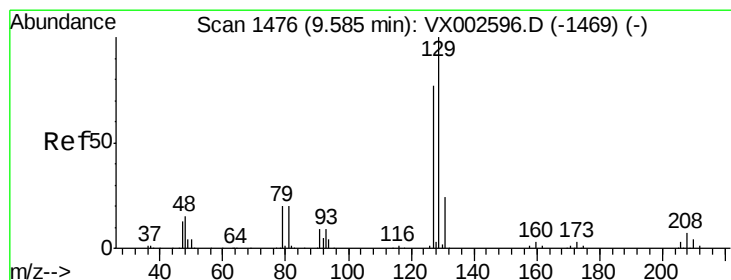
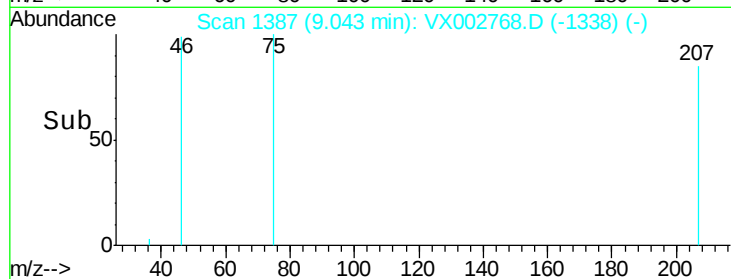
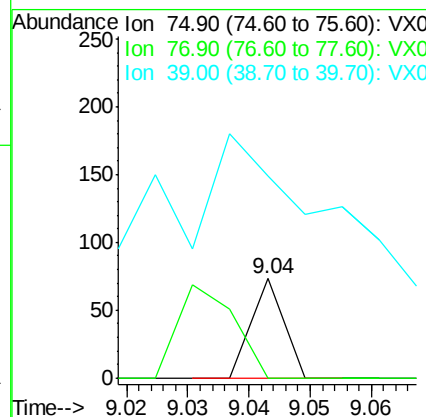
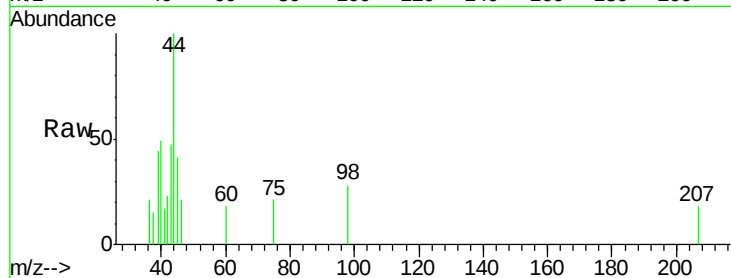




#54
 cis-1,3-Dichloropropene
 Concen: 3.22 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX002768.D
 Acq: 21 Jun 2018 03:51

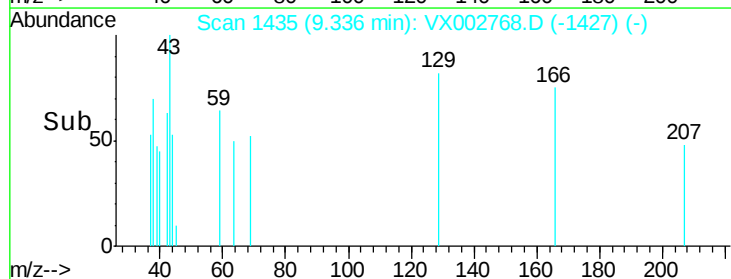
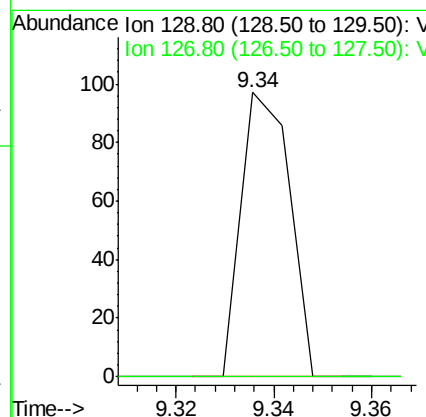
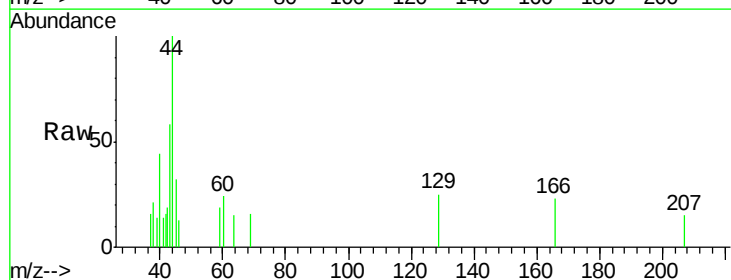
Instrument :
 MSVOA_X
 ClientSampled :

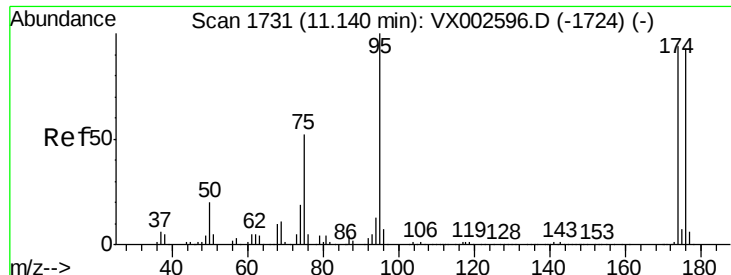
Tot Ion: 75 Resp: 27
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 74.0 42.4 63.6#



#60
 Dibromochloromethane
 Concen: 3.78 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.25 min
 Lab File: VX002768.D
 Acq: 21 Jun 2018 03:51

Tgt Ion:129 Resp: 67
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#

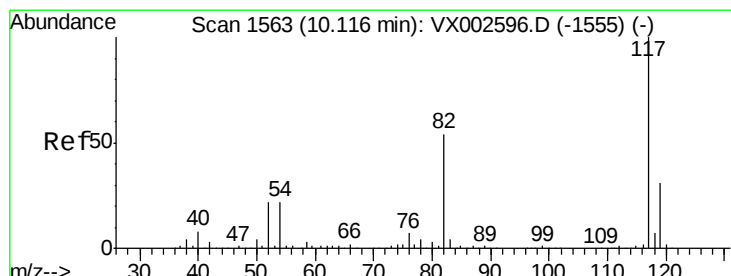
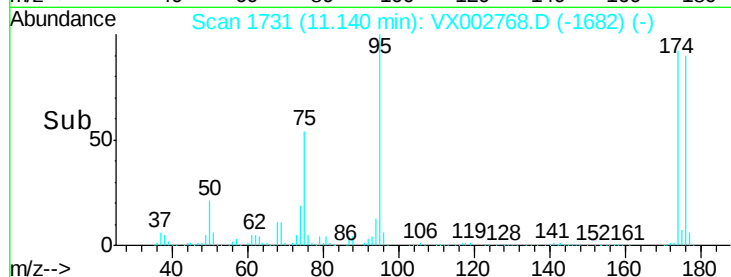
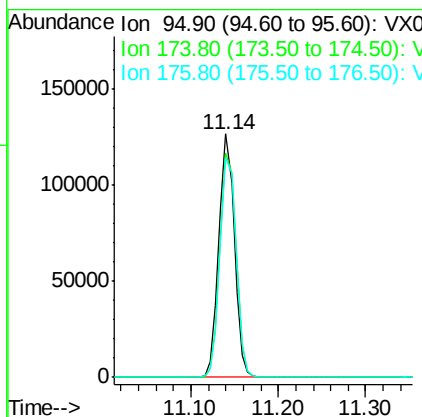
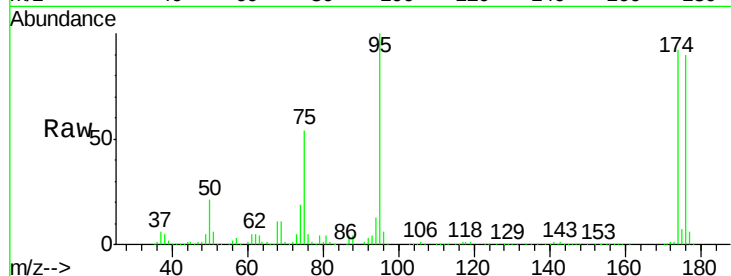




#62
4-Bromofluorobenzene
Concen: 43.85 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002768.D
Acq: 21 Jun 2018 03:51

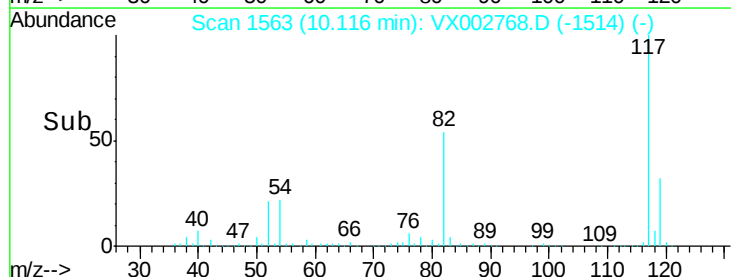
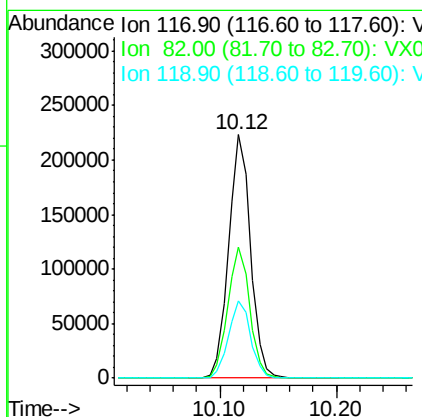
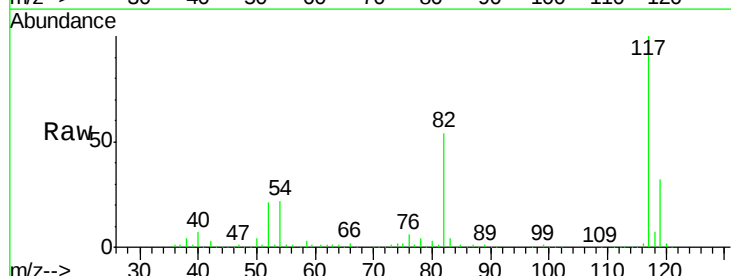
Instrument :
MSVOA_X
ClientSampleId :

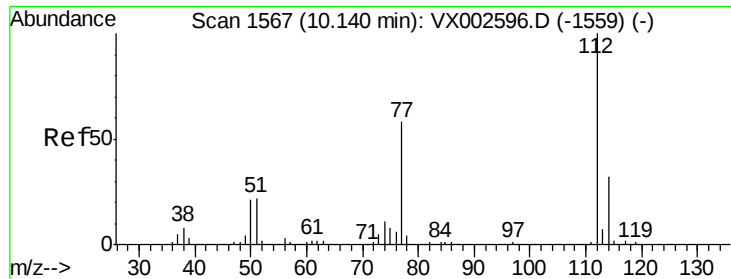
Tot Ion: 95 Resp: 155389
Ion Ratio Lower Upper
95 100
174 96.6 0.0 187.4
176 94.4 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002768.D
Acq: 21 Jun 2018 03:51

Tgt Ion: 117 Resp: 291776
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.4
119 31.6 25.8 38.6





#65

Chlorobenzene

Concen: 0.51 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

Instrument :

MSVOA_X

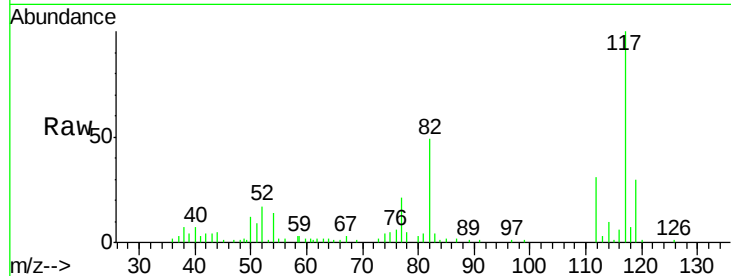
ClientSampleId :

Tot Ion:112 Resp: 3663

Ion Ratio Lower Upper

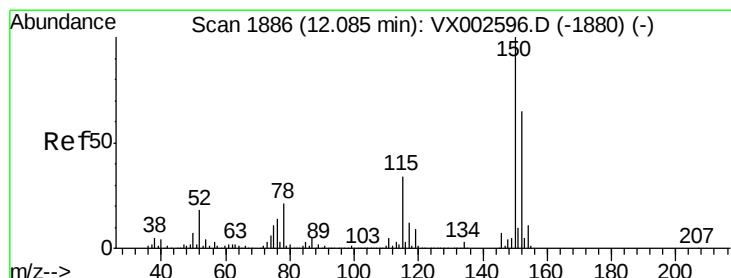
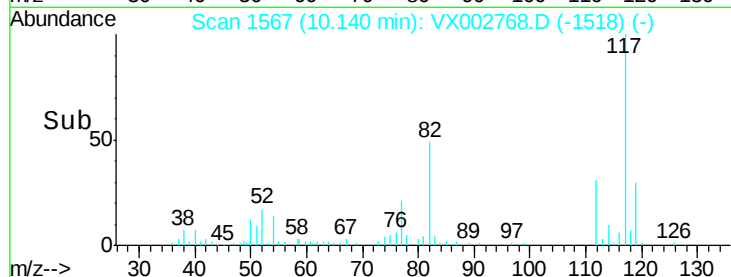
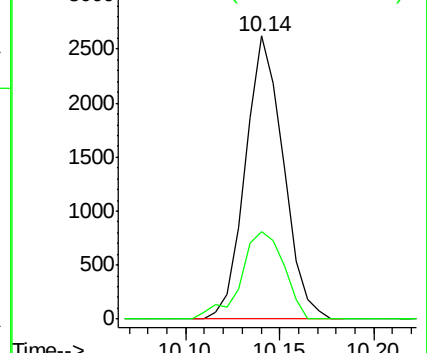
112 100

114 30.8 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VX002768.D

Acq: 21 Jun 2018 03:51

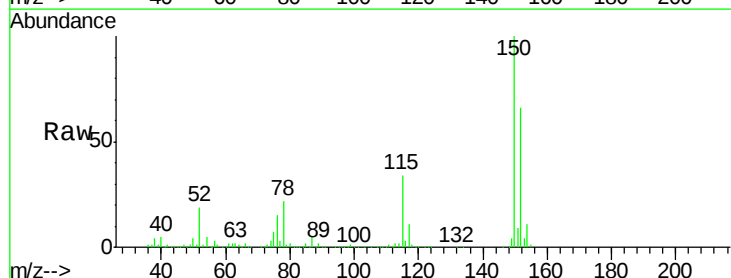
Tgt Ion:152 Resp: 166158

Ion Ratio Lower Upper

152 100

115 53.4 40.1 120.2

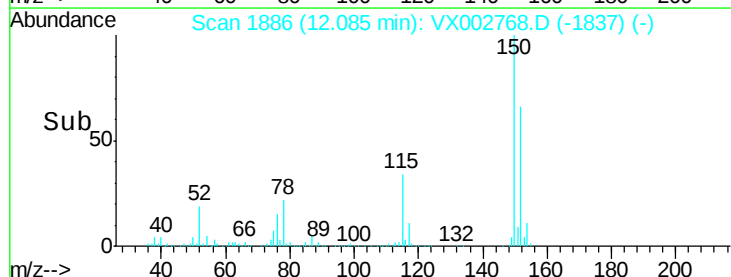
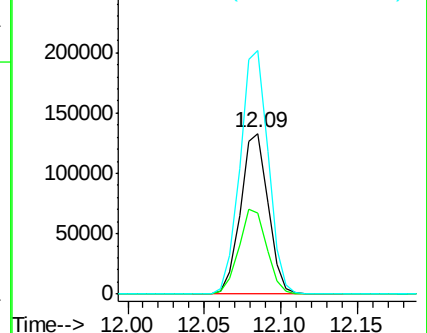
150 155.3 0.0 347.2

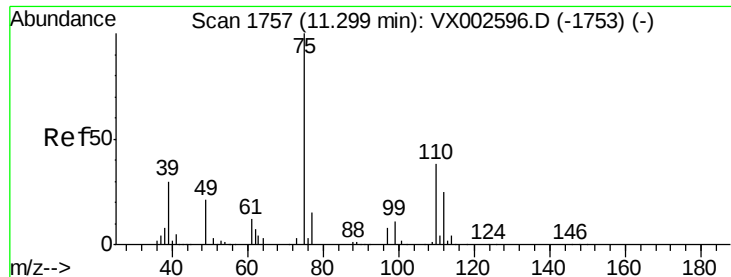


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

Instrument :

MSVOA_X

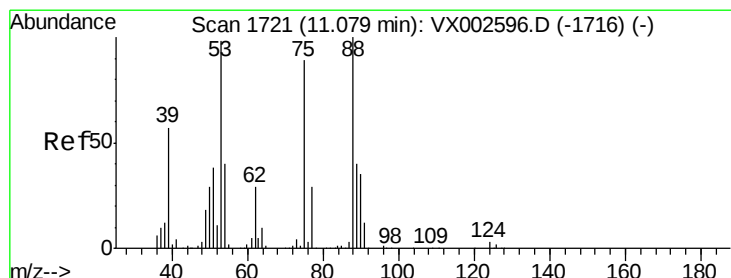
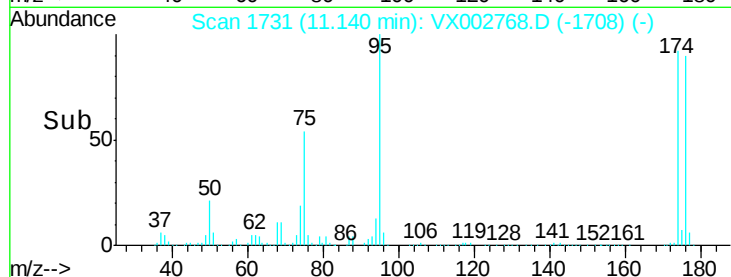
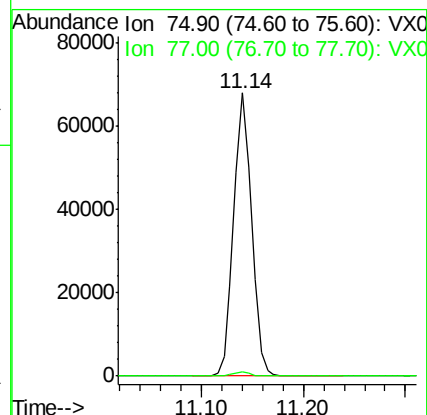
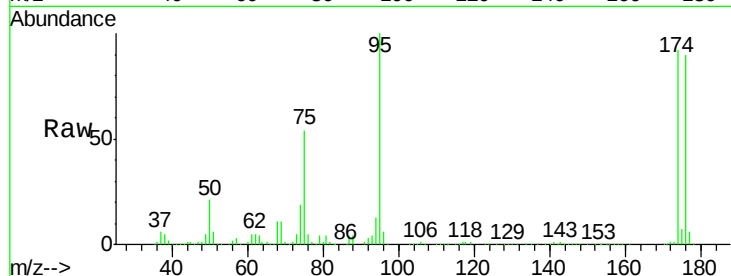
ClientSampleId :

Tot Ion: 75 Resp: 82542

Ion Ratio Lower Upper

75 100

77 1.3 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

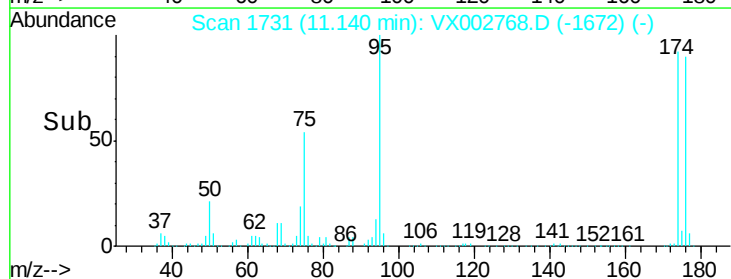
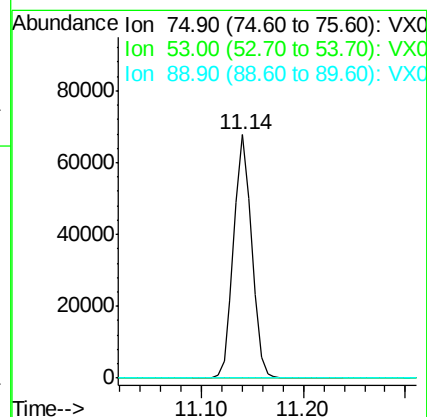
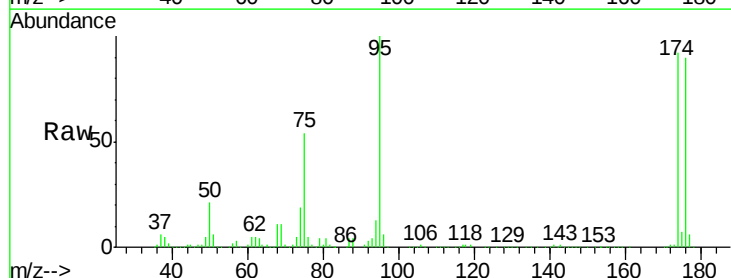
Tgt Ion: 75 Resp: 82542

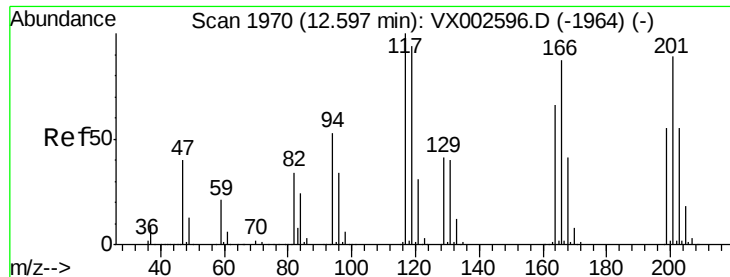
Ion Ratio Lower Upper

75 100

53 0.3 86.8 130.2#

89 0.0 38.2 57.2#





#90

Hexachloroethane

Concen: 2.64 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.20 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

Instrument :

MSVOA_X

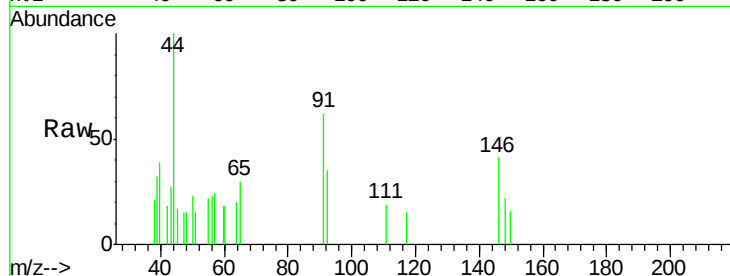
ClientSampled :

Tot Ion:117 Resp: 20

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#

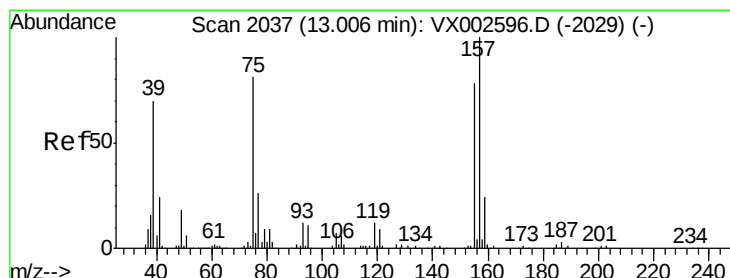
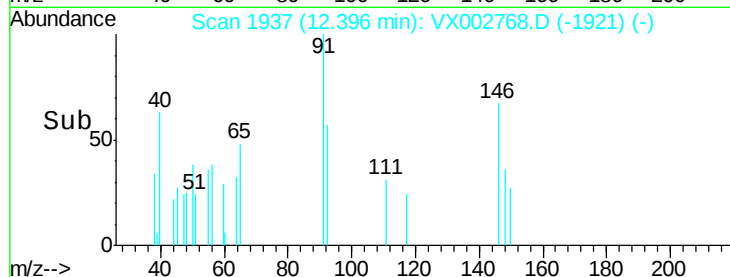


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.40

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.40 ug/l

RT: 12.98 min Scan# 2033

Delta R.T. -0.02 min

Lab File: VX002768.D

Acq: 21 Jun 2018 03:51

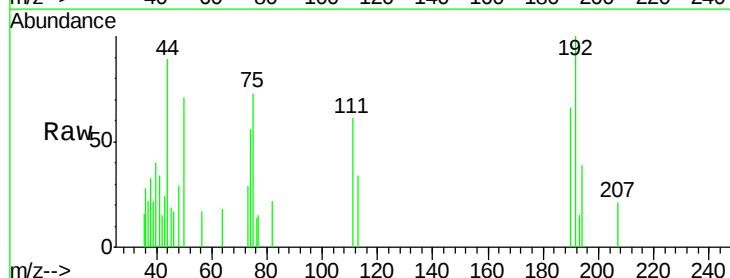
Tgt Ion: 75 Resp: 278

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 0.0 60.1 180.3#



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

12.98

Time-->

