

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042519\
 Data File : VX009169.D
 Acq On : 25 Apr 2019 17:53
 Operator : JC/SP
 Sample : K2566-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0014

Quant Time: Apr 26 04:40:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	201457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	325491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	281933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118145	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	135310	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
35) Dibromofluoromethane	5.50	113	98683	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
50) Toluene-d8	8.71	98	409666	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.13	95	135090	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	

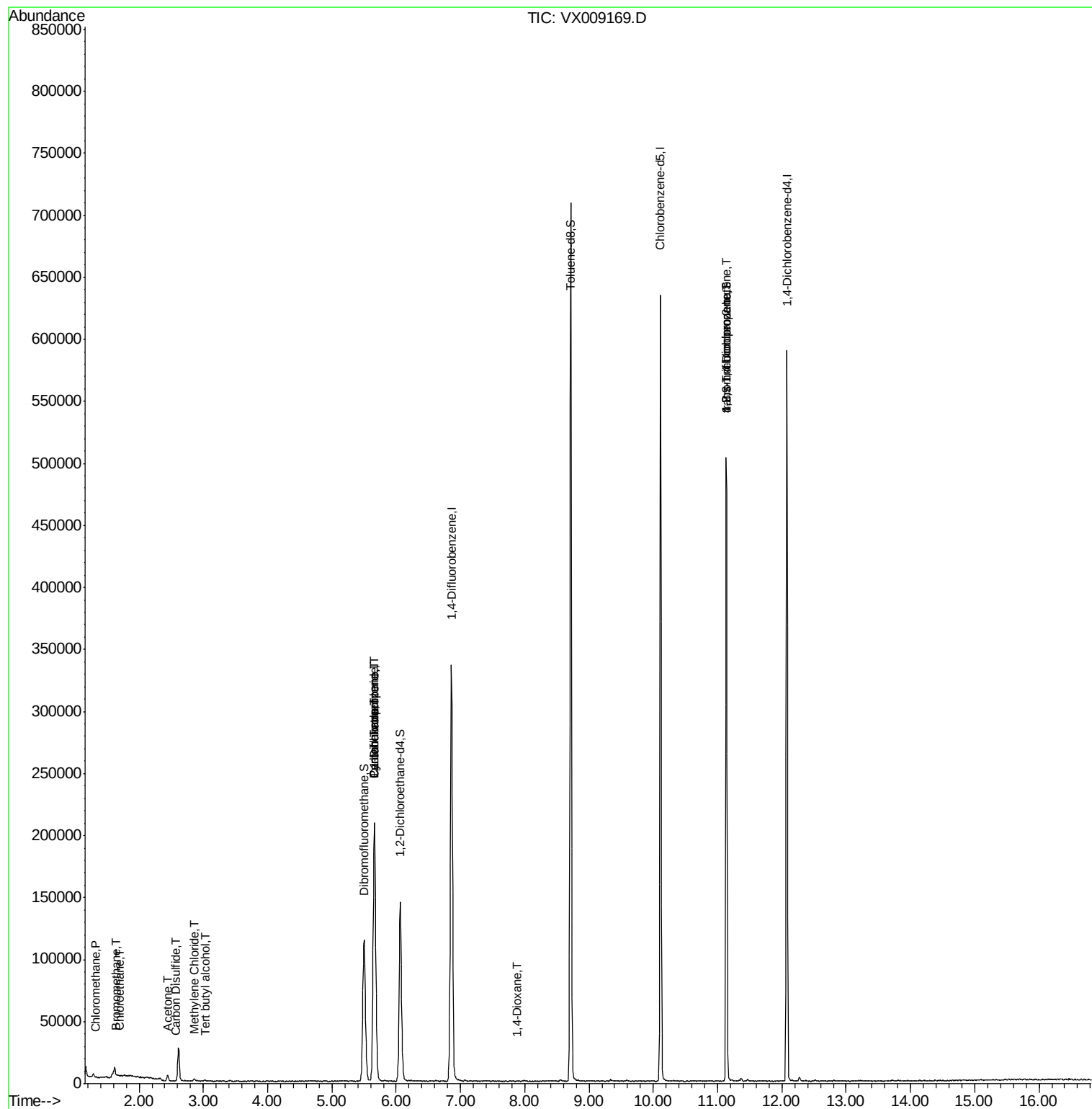
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	590	0.207	ug/l	94
5) Bromomethane	1.64	94	138	3.922	ug/l #	64
6) Chloroethane	1.70	64	5769	3.538	ug/l #	49
11) Tert butyl alcohol	3.04	59	717	1.138	ug/l #	74
16) Acetone	2.45	43	4792	3.255	ug/l #	86
17) Carbon Disulfide	2.57	76	514	1.332	ug/l #	57
20) Methylene Chloride	2.85	84	818	0.325	ug/l	89
28) Bromochloromethane	5.02	49	94	Below Cal	#	48
31) Cyclohexane	5.66	56	4680	1.035	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15803	4.694	ug/l #	50
38) Carbon Tetrachloride	5.67	117	18947	6.639	ug/l #	19
49) 1,4-Dioxane	7.88	88	44	0.682	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	68971	23.908	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	68971	61.378	ug/l #	11

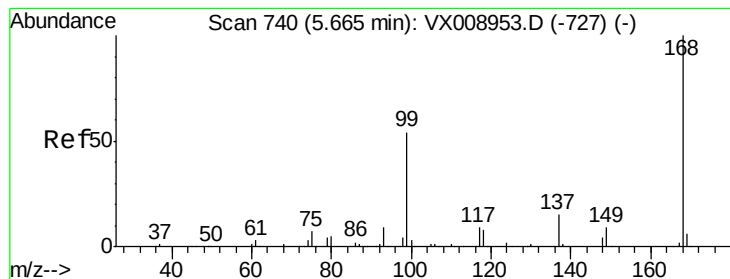
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

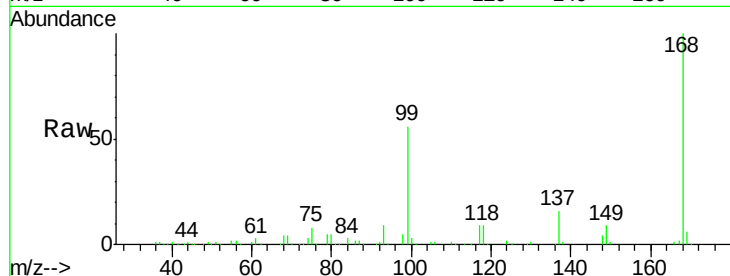
S37-0014

Tot Ion:168 Resp: 201457

Ion Ratio Lower Upper

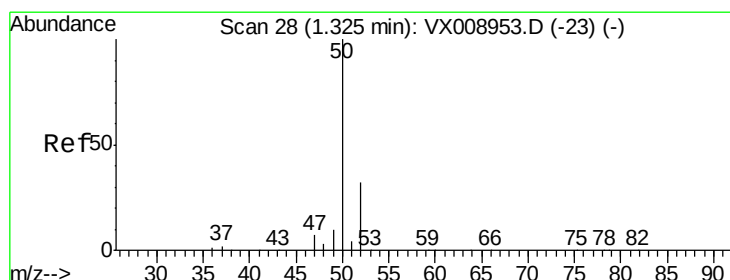
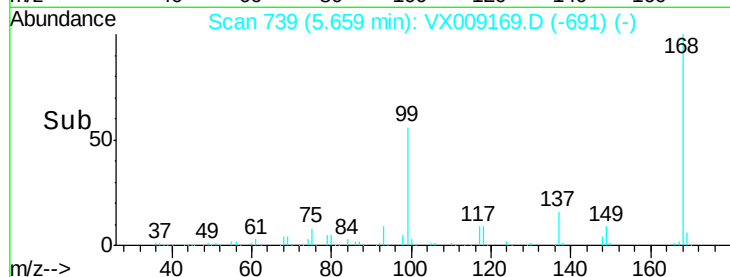
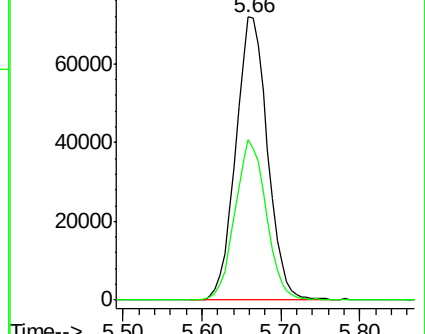
168 100

99 56.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009169.D

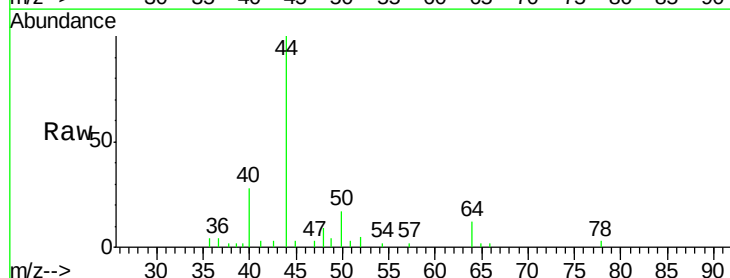
Acq: 25 Apr 2019 17:53

Tgt Ion: 50 Resp: 590

Ion Ratio Lower Upper

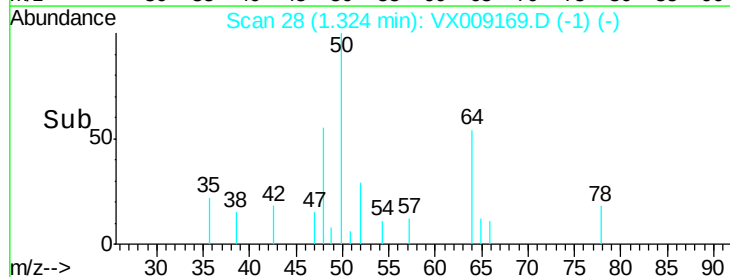
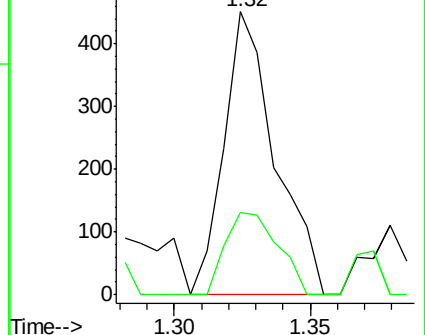
50 100

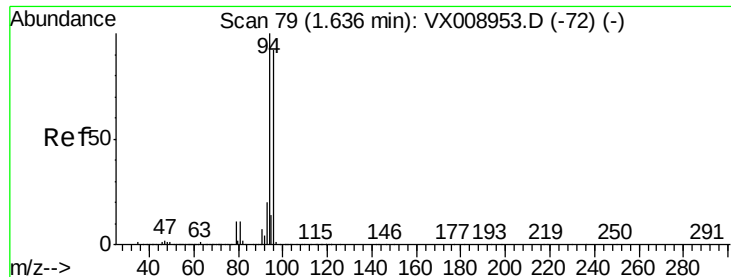
52 28.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 3.922 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

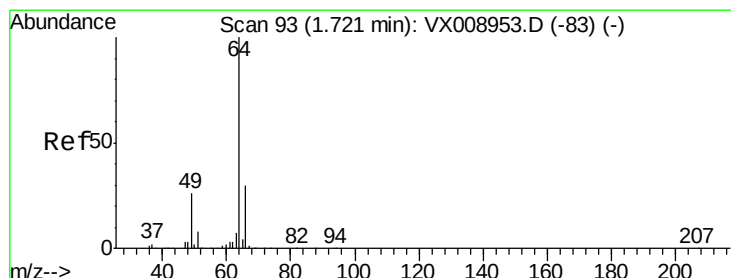
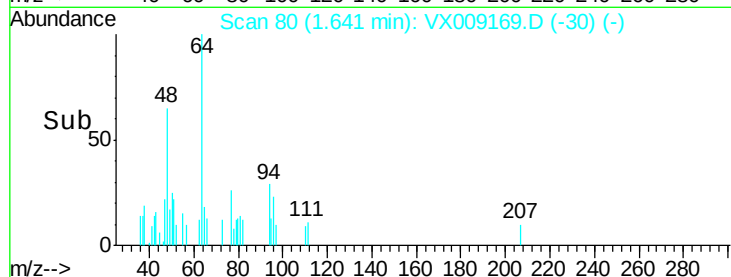
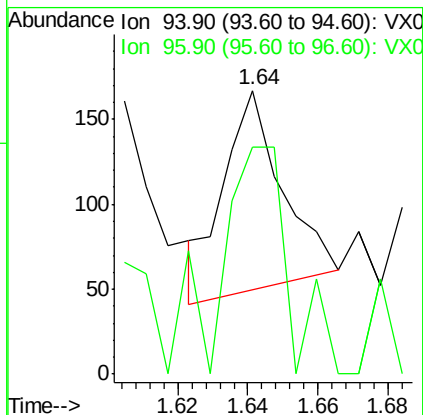
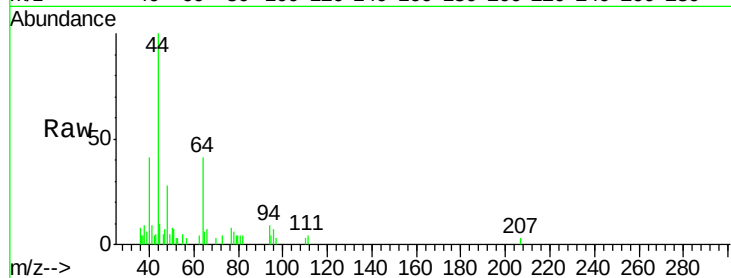
S37-0014

Tot Ion: 94 Resp: 138

Ion Ratio Lower Upper

94 100

96 126.4 73.9 110.9#



#6

Chloroethane

Concen: 3.538 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX009169.D

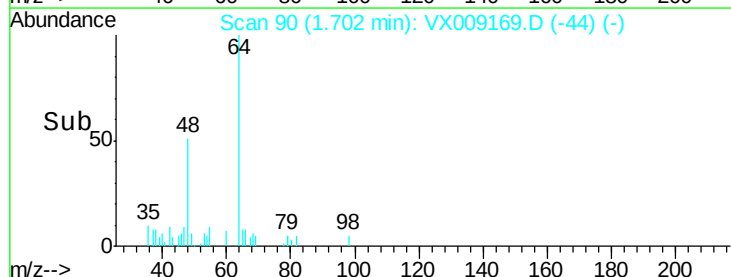
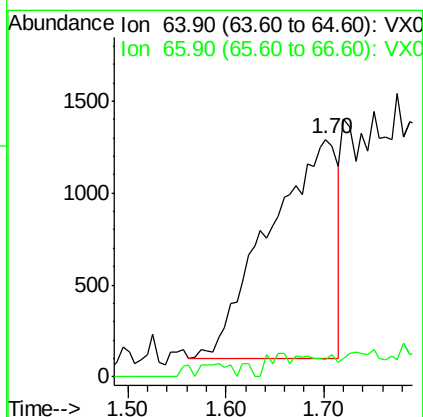
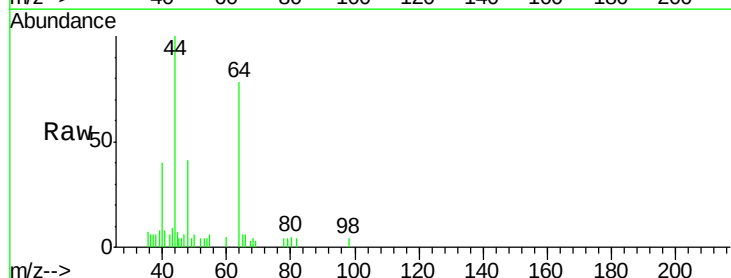
Acq: 25 Apr 2019 17:53

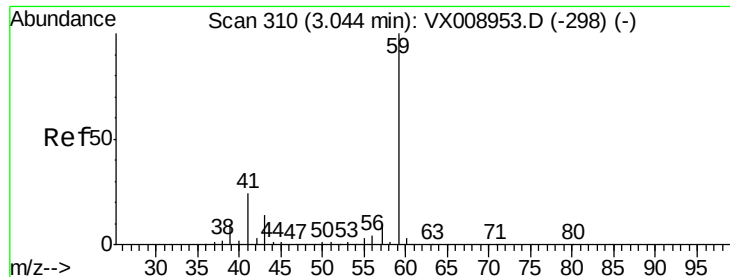
Tgt Ion: 64 Resp: 5769

Ion Ratio Lower Upper

64 100

66 2.5 24.2 36.2#



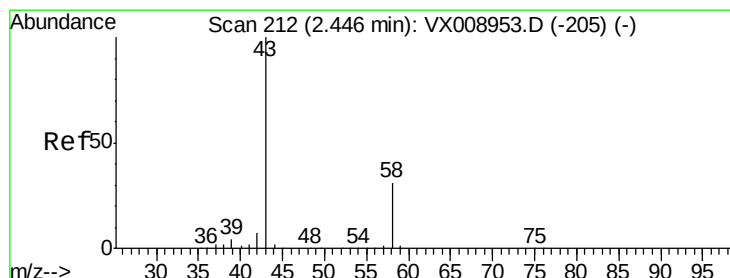
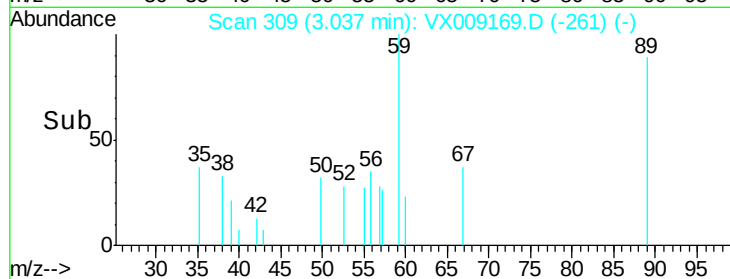
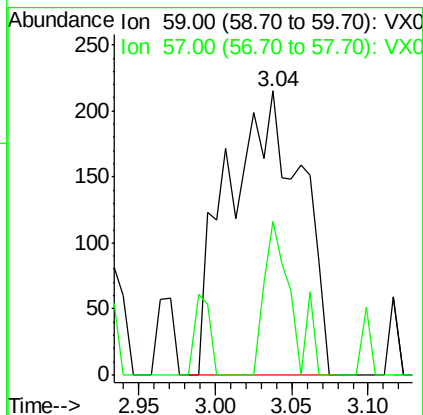
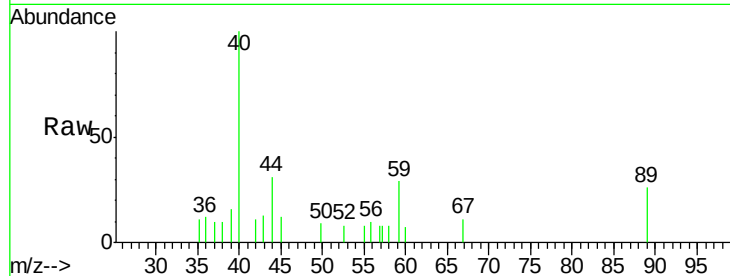


#11

Tert butyl alcohol
 Concen: 1.138 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009169.D
 Acq: 25 Apr 2019 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0014

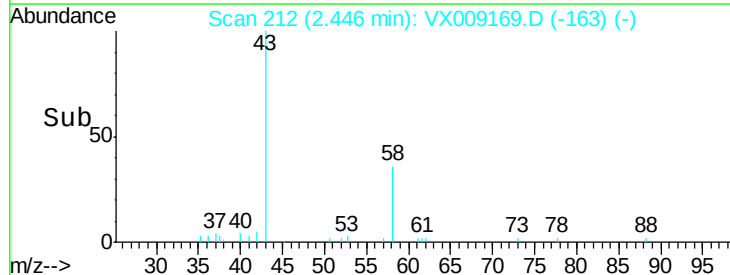
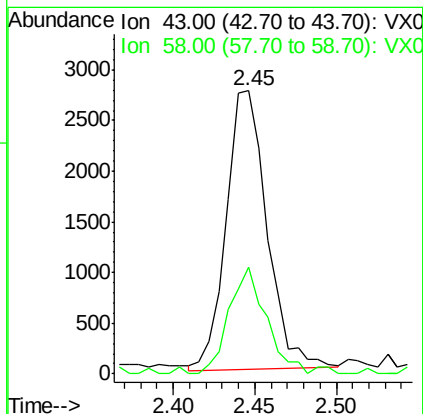
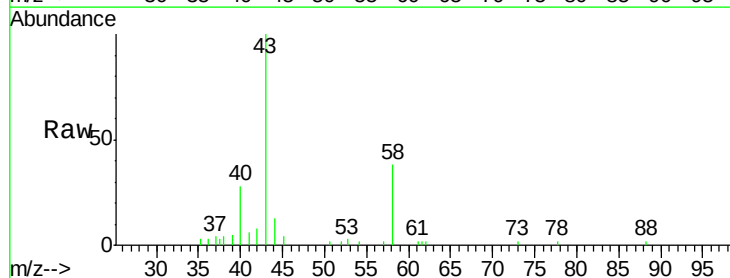
Tot Ion: 59 Resp: 717
 Ion Ratio Lower Upper
 59 100
 57 20.2 8.4 12.6#

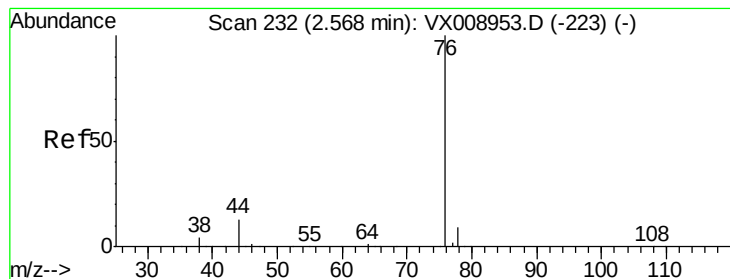


#16

Acetone
 Concen: 3.255 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009169.D
 Acq: 25 Apr 2019 17:53

Tgt Ion: 43 Resp: 4792
 Ion Ratio Lower Upper
 43 100
 58 38.9 24.8 37.2#





#17

Carbon Disulfide

Concen: 1.332 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

Instrument :

MSVOA_X

ClientSampled :

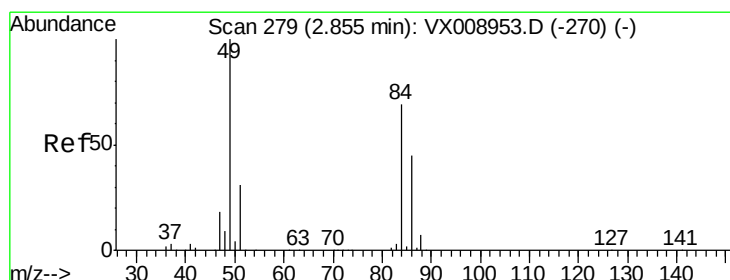
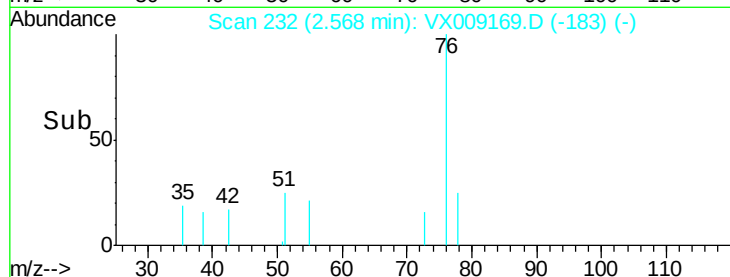
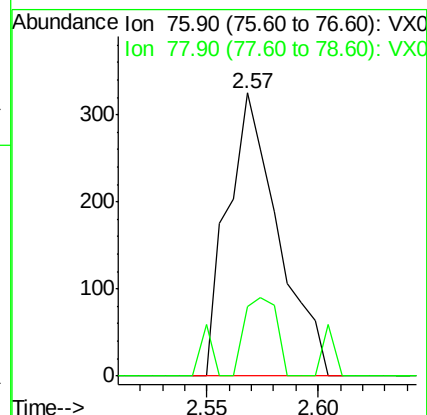
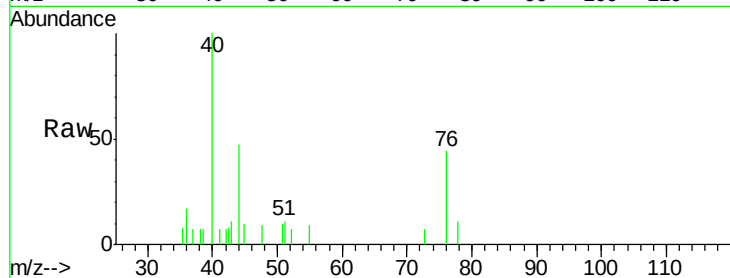
S37-0014

Tot Ion: 76 Resp: 514

Ion Ratio Lower Upper

76 100

78 24.6 7.2 10.8#



#20

Methylene Chloride

Concen: 0.325 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

Tgt Ion: 84 Resp: 818

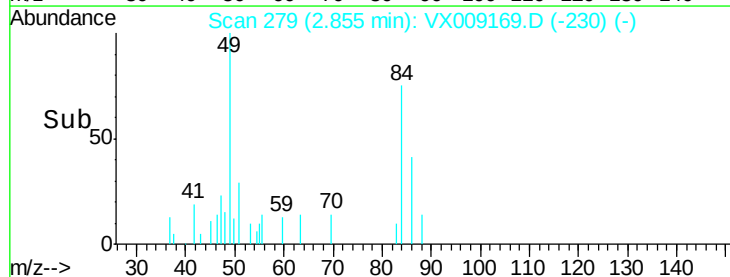
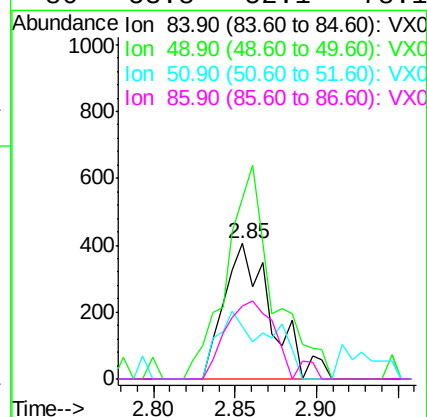
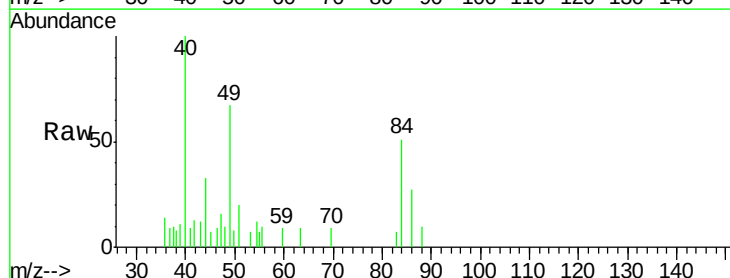
Ion Ratio Lower Upper

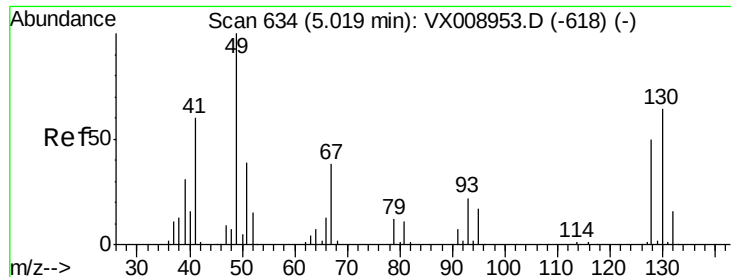
84 100

49 132.8 115.4 173.0

51 38.5 35.8 53.6

86 53.8 52.1 78.1





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 635

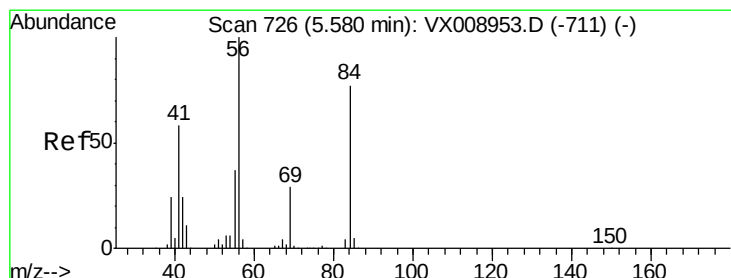
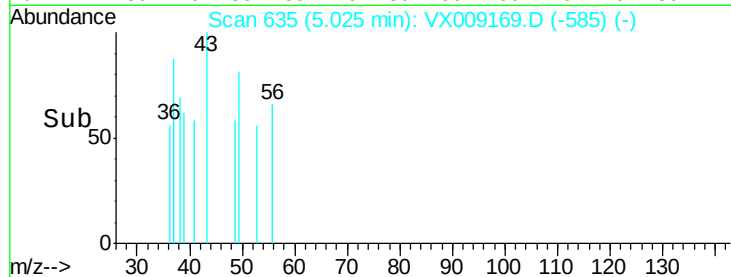
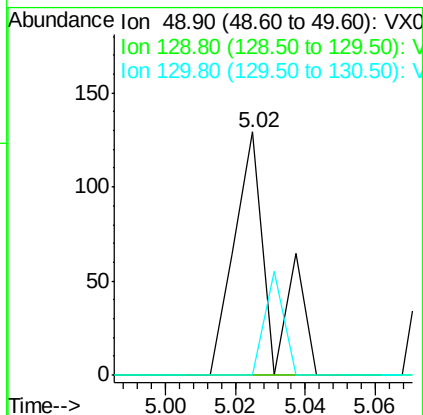
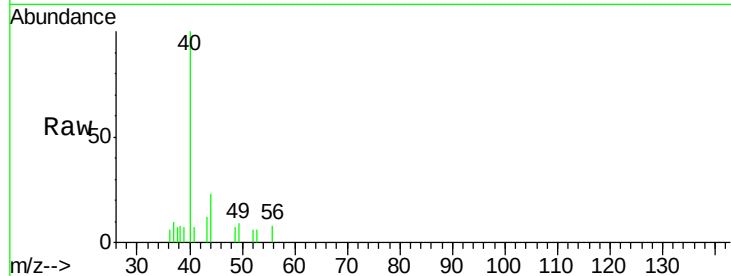
Delta R.T. 0.01 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

Instrument :
MSVOA_X
ClientSampleId :
S37-0014

Tot Ion: 49 Resp: 94
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 21.3 50.4 75.6#



#31

Cyclohexane

Concen: 1.035 ug/l

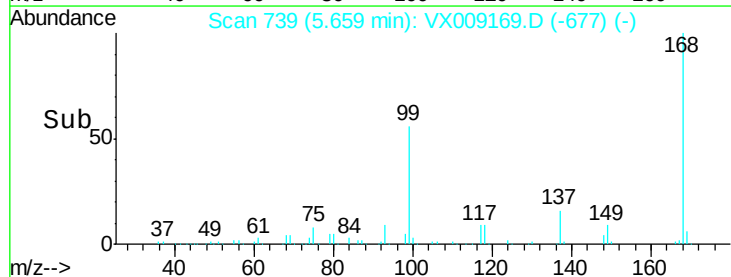
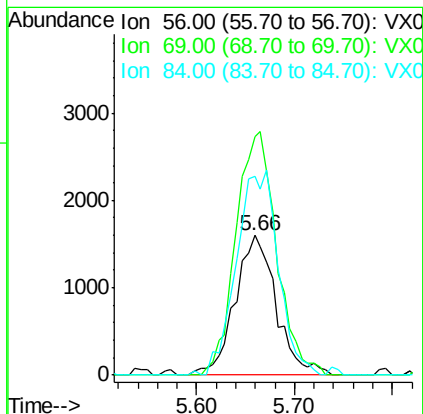
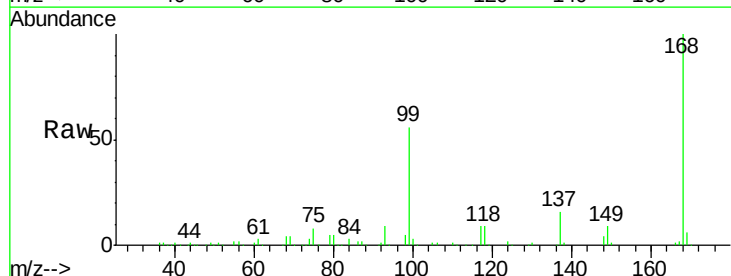
RT: 5.66 min Scan# 739

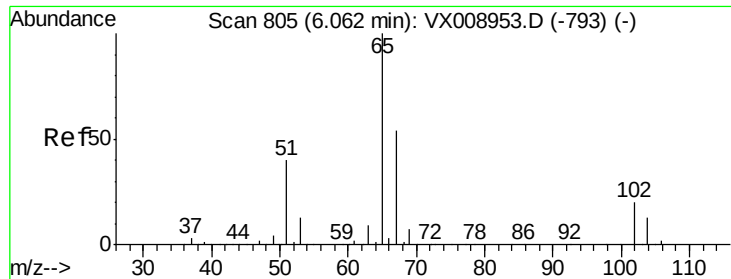
Delta R.T. 0.08 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

Tgt Ion: 56 Resp: 4680
Ion Ratio Lower Upper
56 100
69 171.5 23.3 34.9#
84 142.4 61.7 92.5#

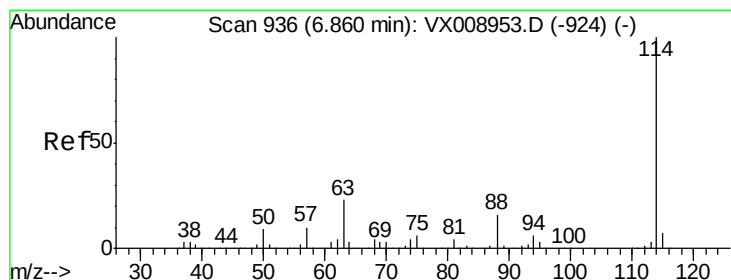
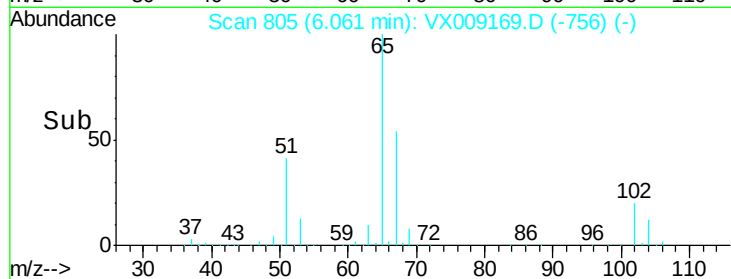
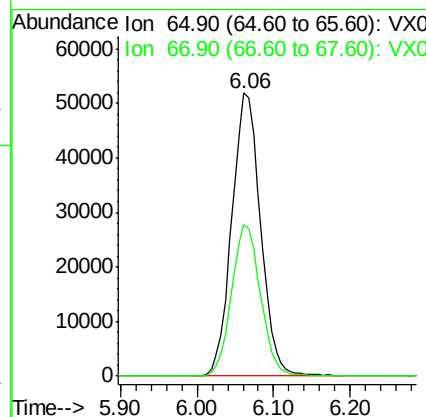
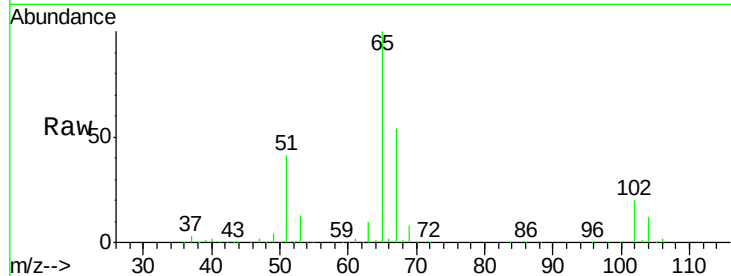




#33
 1,2-Dichloroethane-d4
 Concen: 47.659 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009169.D
 Acq: 25 Apr 2019 17:53

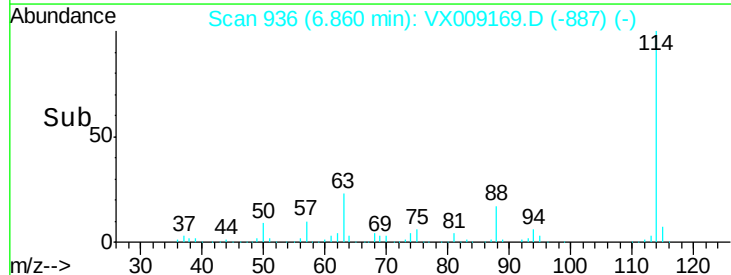
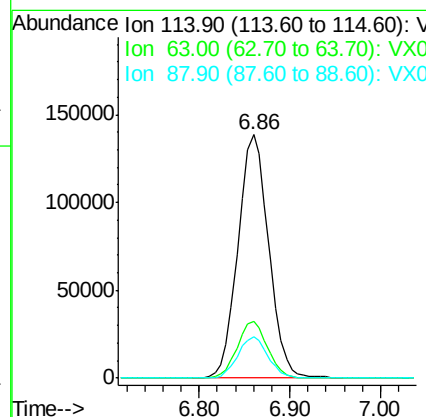
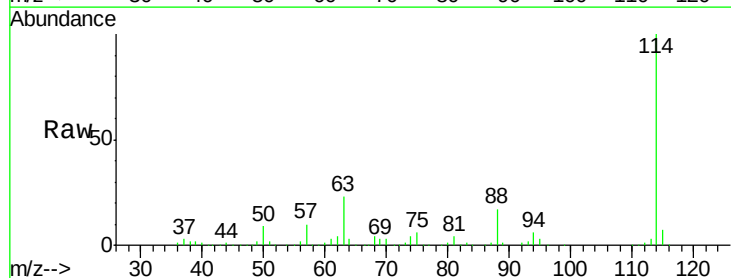
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0014

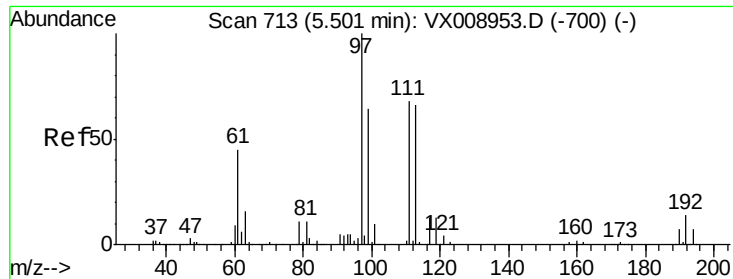
Tot Ion: 65 Resp: 135310
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009169.D
 Acq: 25 Apr 2019 17:53

Tgt Ion: 114 Resp: 325491
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.0
 88 16.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.241 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

S37-0014

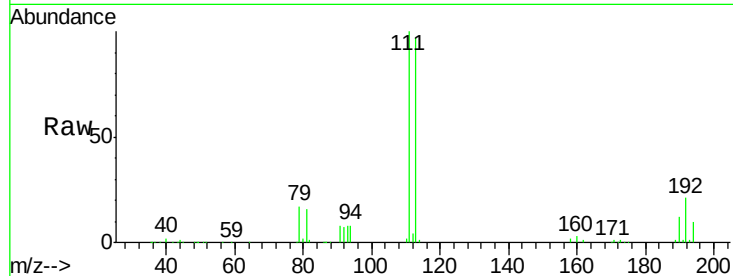
Tot Ion:113 Resp: 98683

Ion Ratio Lower Upper

113 100

111 103.8 82.9 124.3

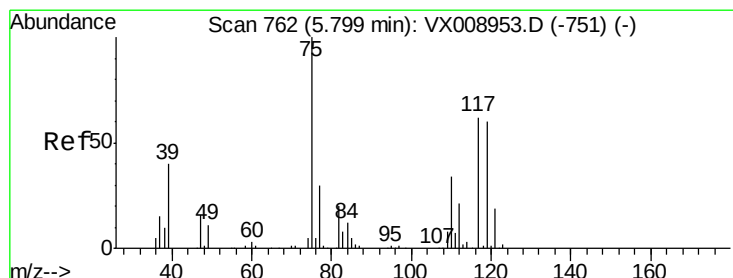
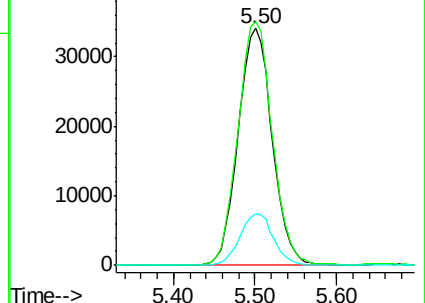
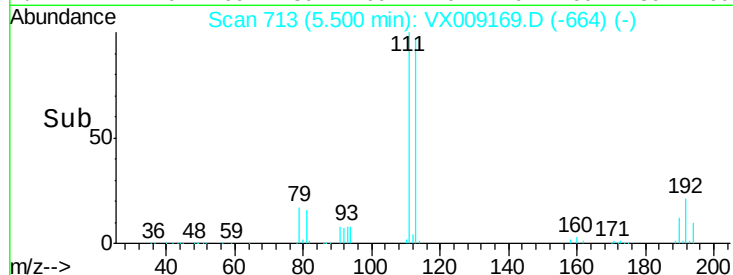
192 21.5 17.4 26.0



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: 4.694 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

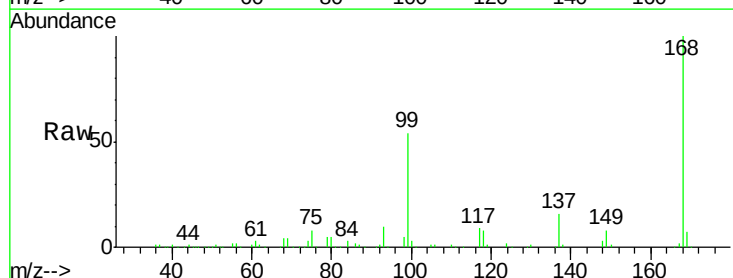
Tgt Ion: 75 Resp: 15803

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.7#

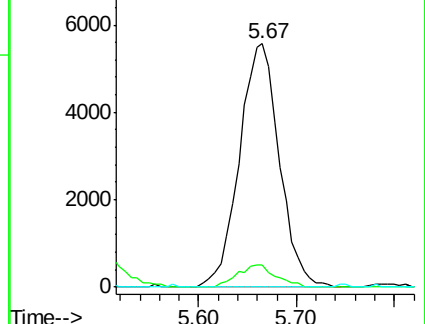
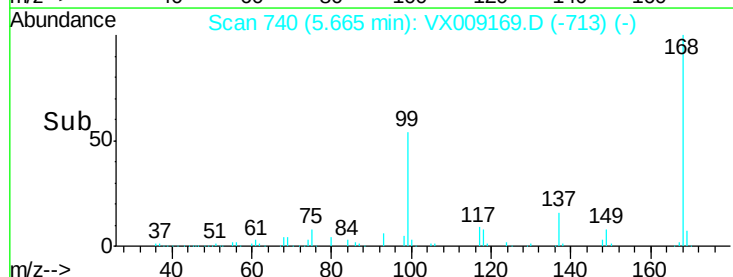
77 0.0 25.0 37.4#

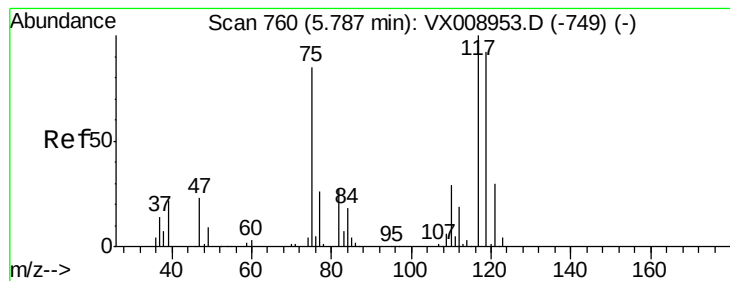


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.639 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

Instrument :

MSVOA_X

ClientSampled :

S37-0014

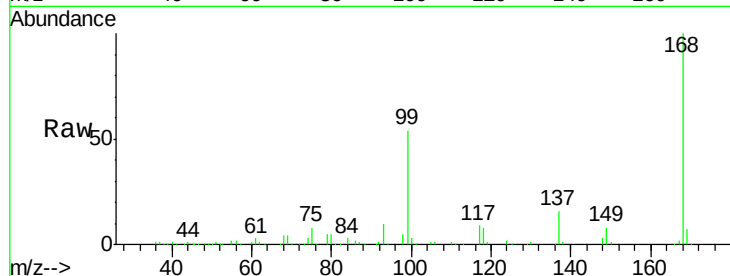
Tot Ion:117 Resp: 18947

Ion Ratio Lower Upper

117 100

119 6.5 73.8 110.8#

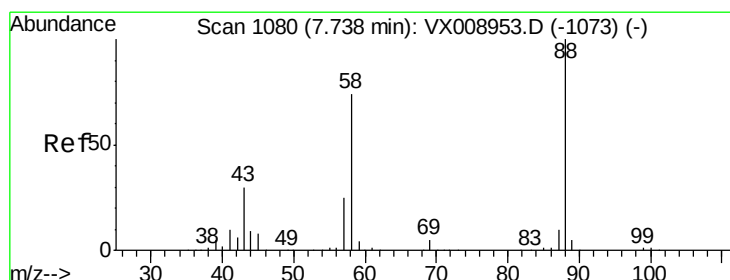
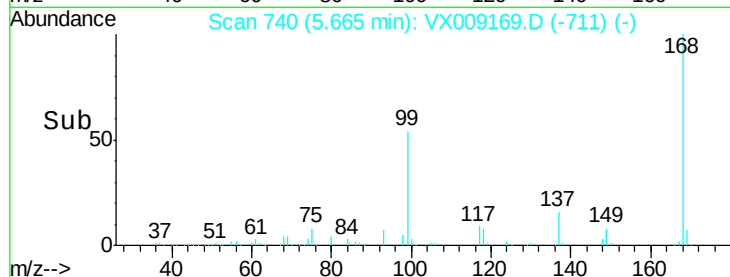
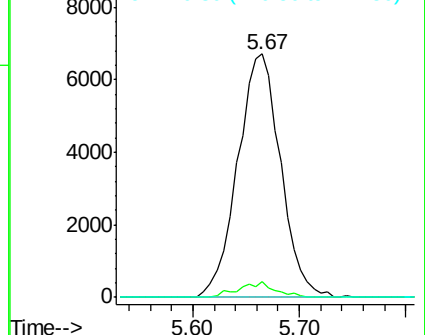
121 0.0 23.6 35.4#



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: 0.682 ug/l

RT: 7.88 min Scan# 1104

Delta R.T. 0.15 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

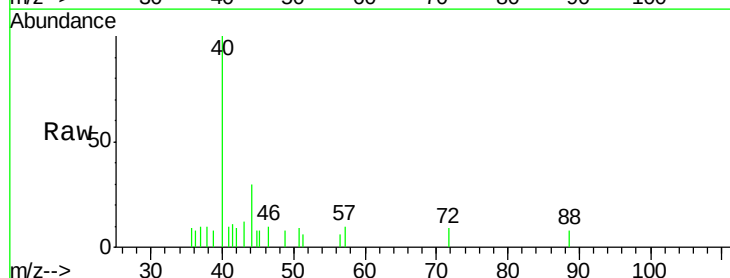
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 297.7 29.3 43.9#

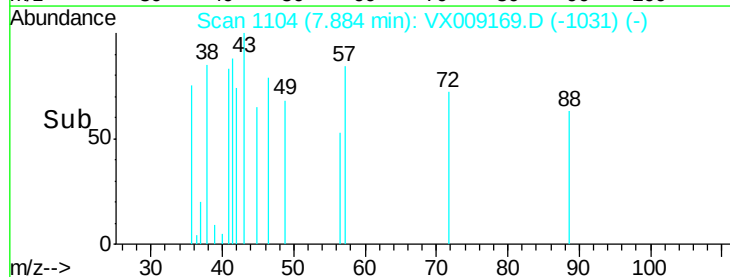
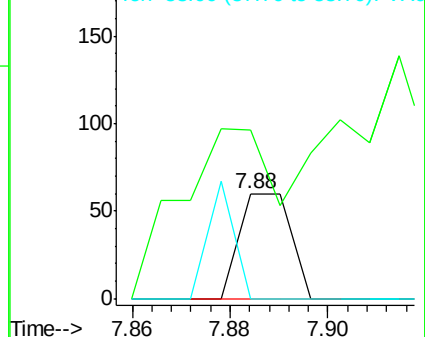
58 56.8 62.6 93.8#

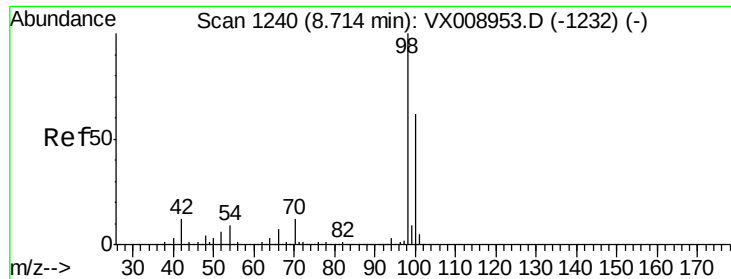


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.175 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

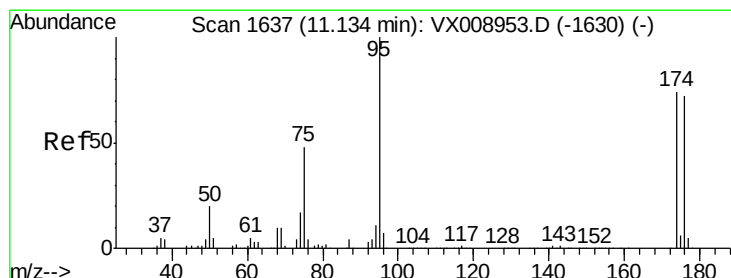
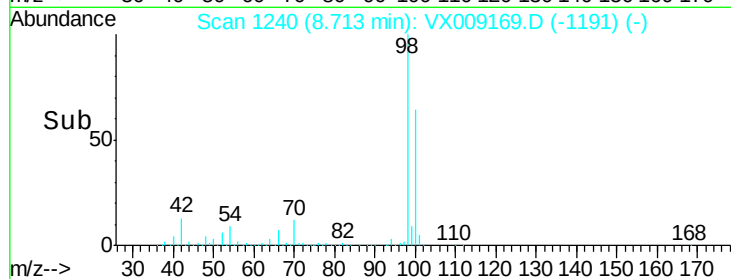
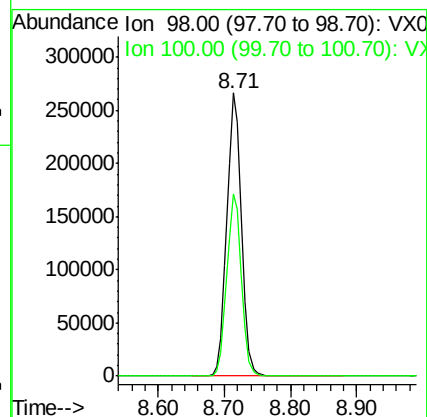
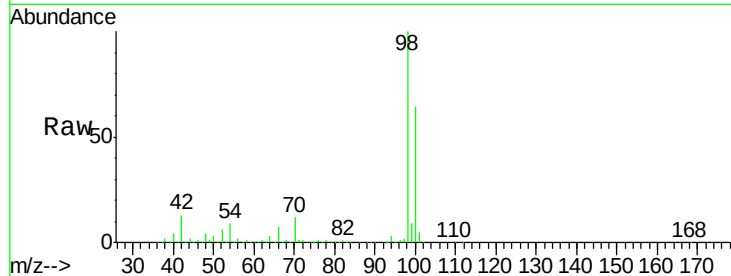
S37-0014

Tot Ion: 98 Resp: 409666

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 45.937 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

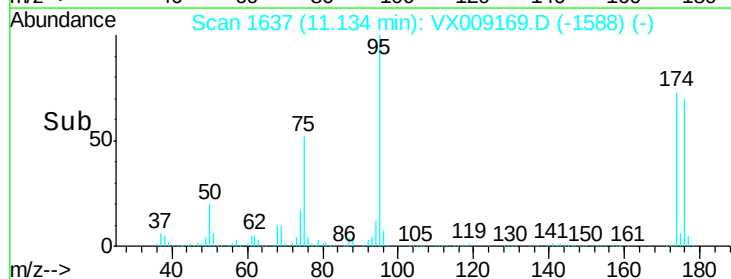
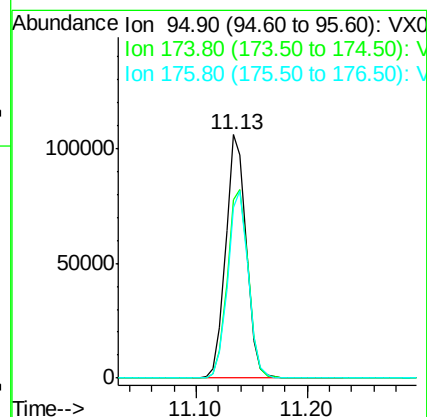
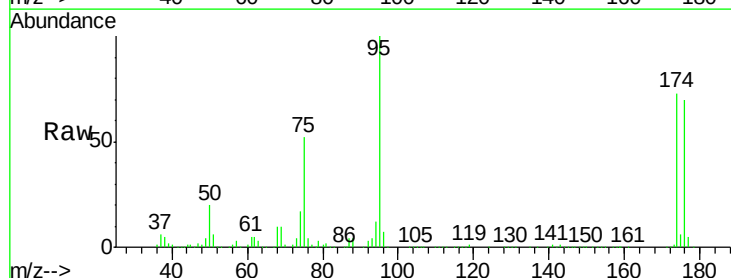
Tgt Ion: 95 Resp: 135090

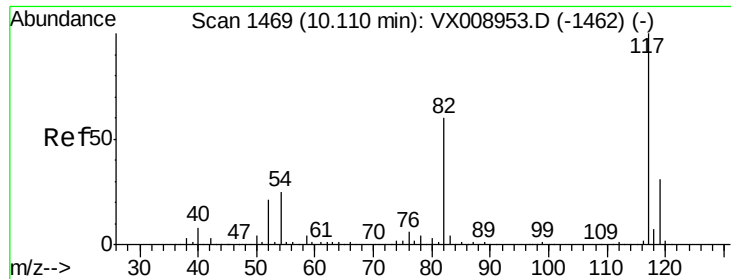
Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.6

176 77.0 0.0 154.8

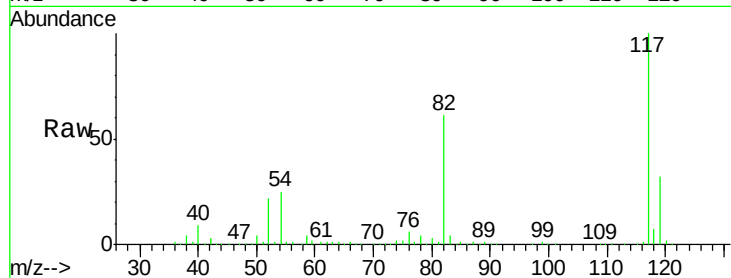




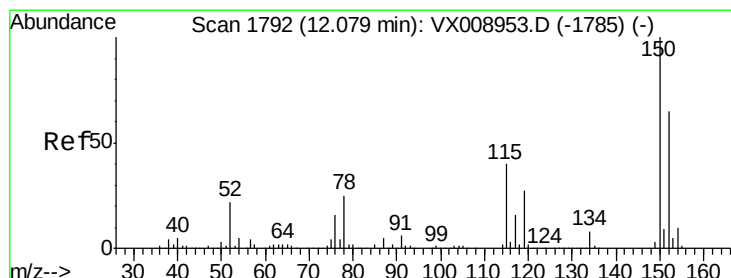
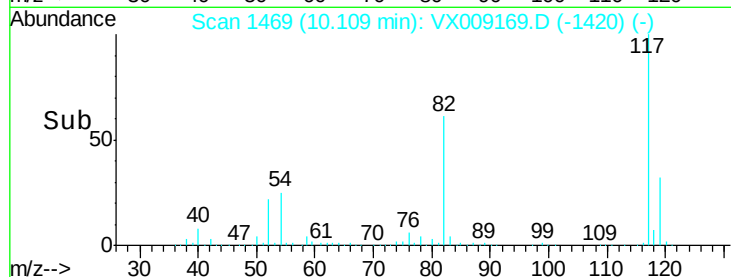
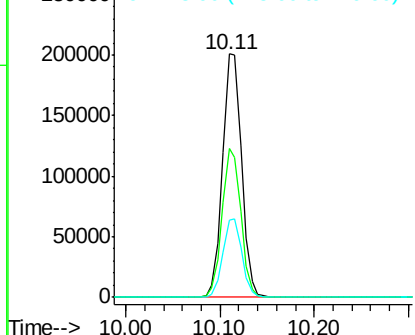
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009169.D
Acq: 25 Apr 2019 17:53

Instrument :
MSVOA_X
ClientSampled :
S37-0014

Tot Ion:117 Resp: 281933
Ion Ratio Lower Upper
117 100
82 61.1 48.2 72.4
119 31.8 25.0 37.6

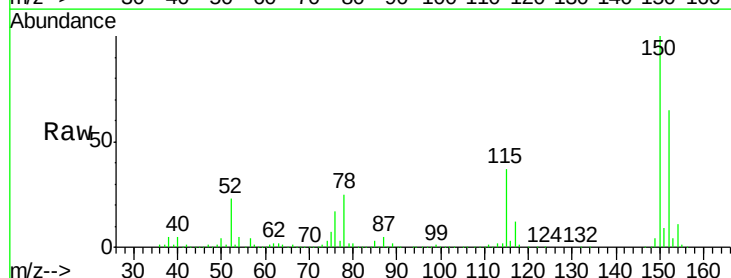


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

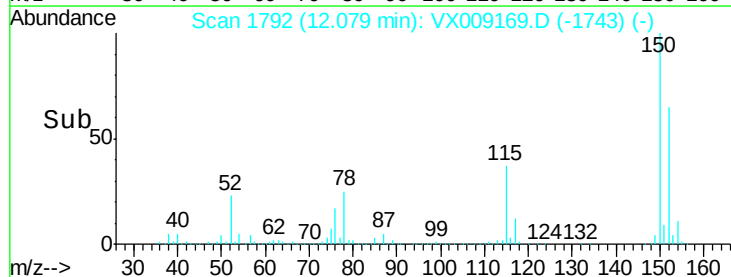
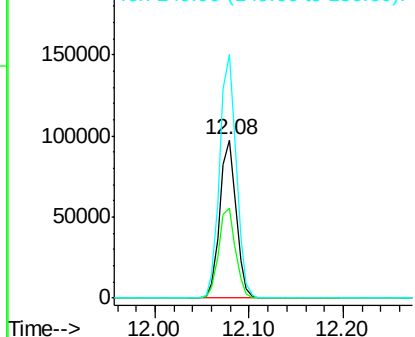


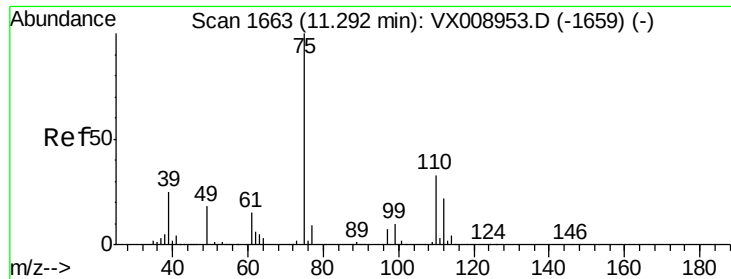
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009169.D
Acq: 25 Apr 2019 17:53

Tgt Ion:152 Resp: 118145
Ion Ratio Lower Upper
152 100
115 58.5 41.4 124.2
150 156.2 0.0 349.8



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: 23.908 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

Instrument :

MSVOA_X

ClientSampled :

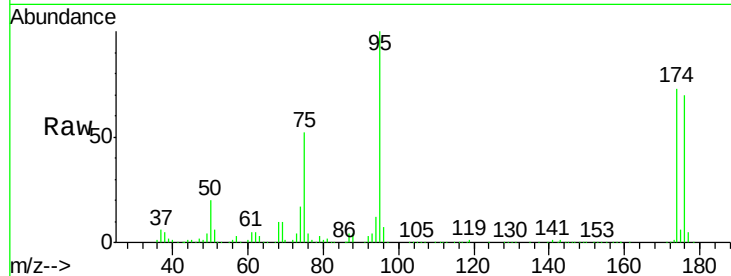
S37-0014

Tot Ion: 75 Resp: 68971

Ion Ratio Lower Upper

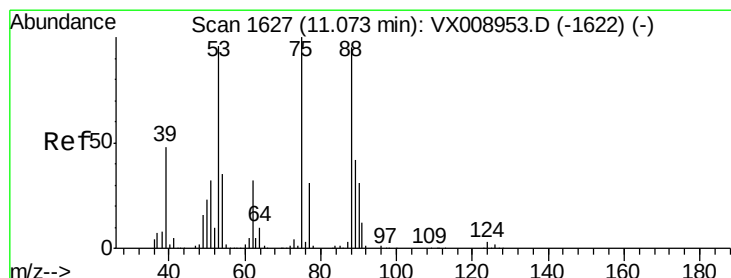
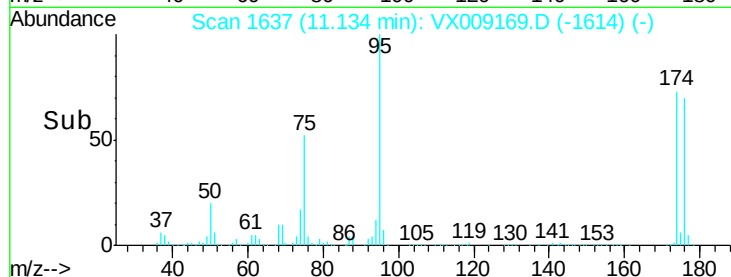
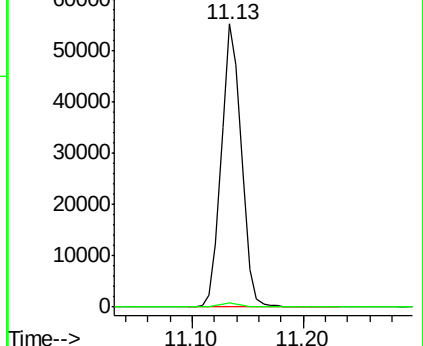
75 100

77 1.5 22.7 68.0#



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: 61.378 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009169.D

Acq: 25 Apr 2019 17:53

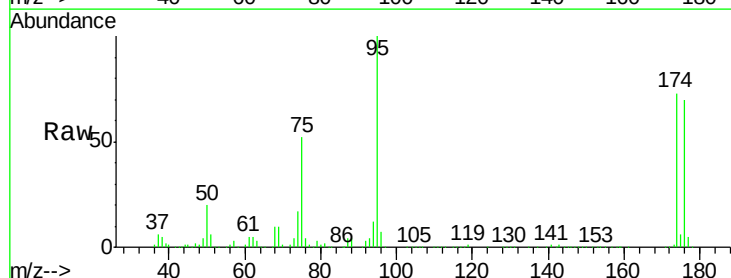
Tgt Ion: 75 Resp: 68971

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 36.0 54.0#



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

