

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012917.D
 Acq On : 09 Oct 2019 03:08
 Operator : JC/SP
 Sample : K5154-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-102S

Quant Time: Oct 09 03:48:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	313697	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	272067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	110227	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	122576	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
35) Dibromofluoromethane	5.48	113	91905	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
50) Toluene-d8	8.71	98	369887	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	11.14	95	127099	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	

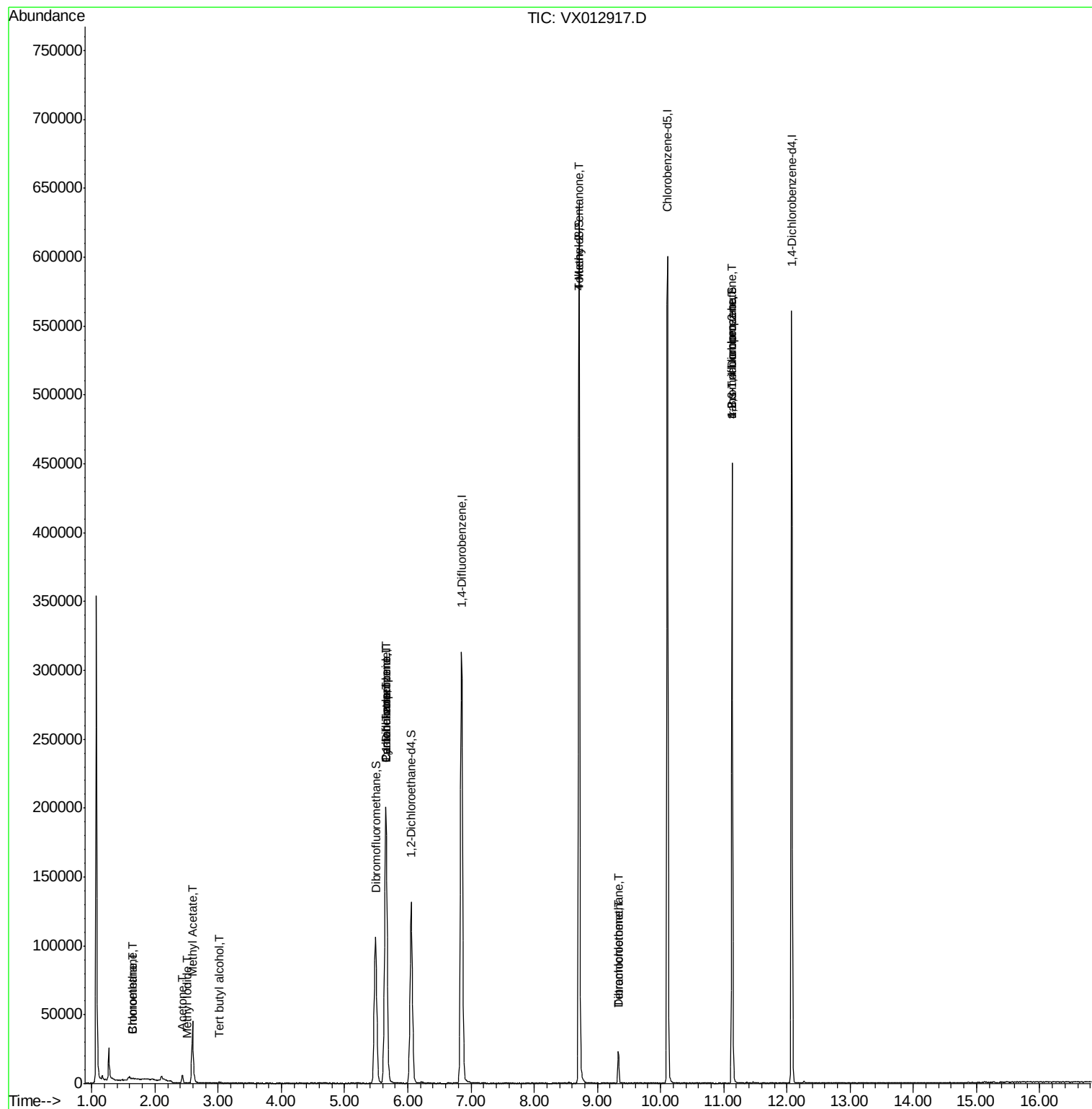
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	368	0.418	ug/l #	46
6) Chloroethane	1.65	64	3305	2.901	ug/l #	58
10) Methyl Iodide	2.51	142	41	5.099	ug/l #	40
11) Tert butyl alcohol	3.01	59	727	1.185	ug/l #	72
16) Acetone	2.44	43	5990	4.911	ug/l	99
18) Methyl Acetate	2.59	43	12204	4.222	ug/l #	51
31) Cyclohexane	5.65	56	4063	1.210	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15165	5.498	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19655	7.322	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1751	0.567	ug/l #	1
60) Dibromochloromethane	9.33	129	3989	3.530	ug/l #	10
64) Tetrachloroethene	9.33	164	4026	2.133	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	63615	26.020	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	63615	65.529	ug/l #	10

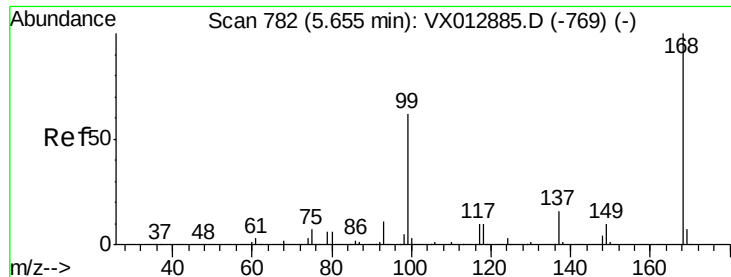
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012917.D

Acq: 09 Oct 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

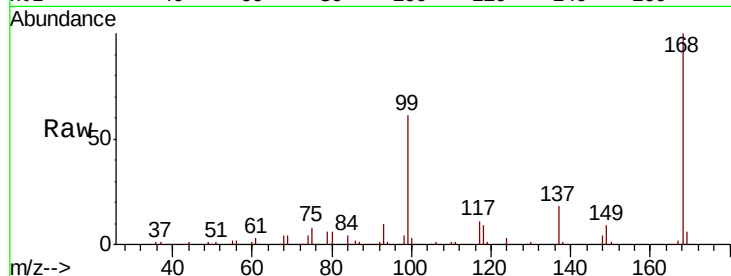
MW-102S

Tot Ion:168 Resp: 185130

Ion Ratio Lower Upper

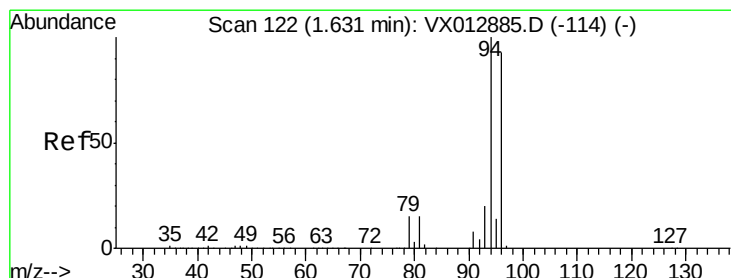
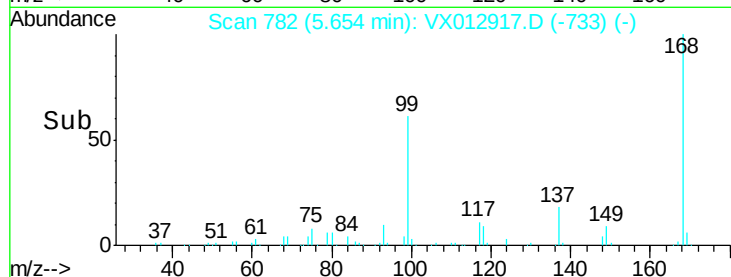
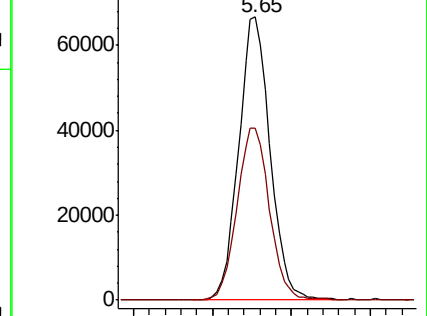
168 100

99 61.0 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.418 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012917.D

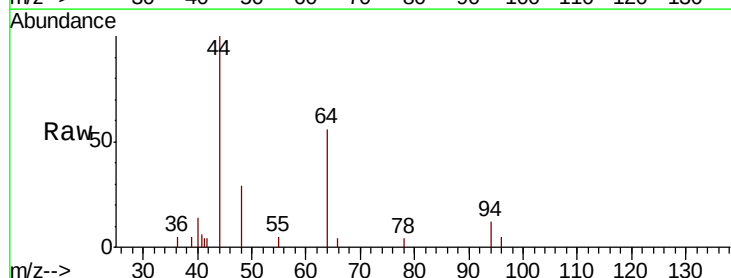
Acq: 09 Oct 2019 03:08

Tgt Ion: 94 Resp: 368

Ion Ratio Lower Upper

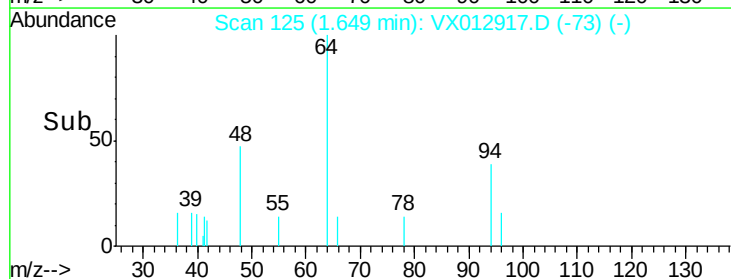
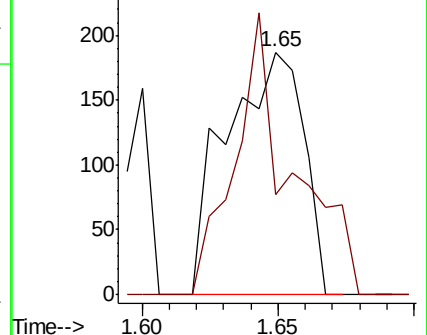
94 100

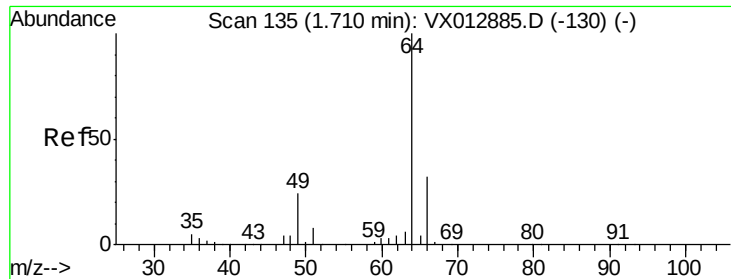
96 41.2 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 2.901 ug/l

RT: 1.65 min Scan# 125

Delta R.T. -0.06 min

Lab File: VX012917.D

Acq: 09 Oct 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

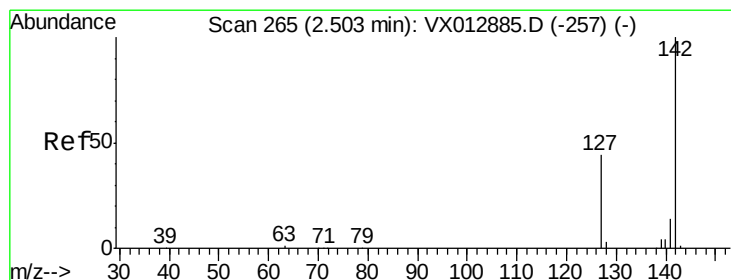
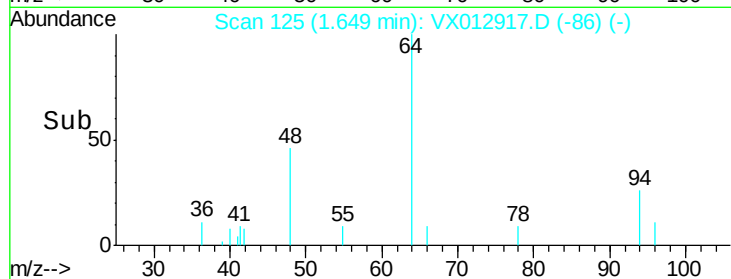
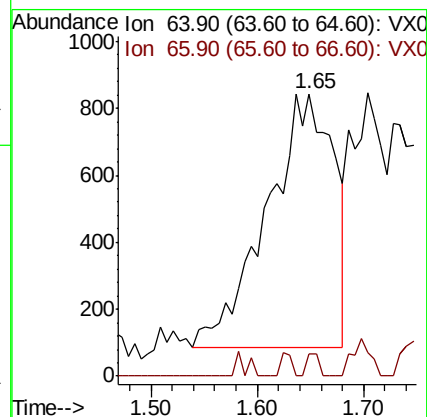
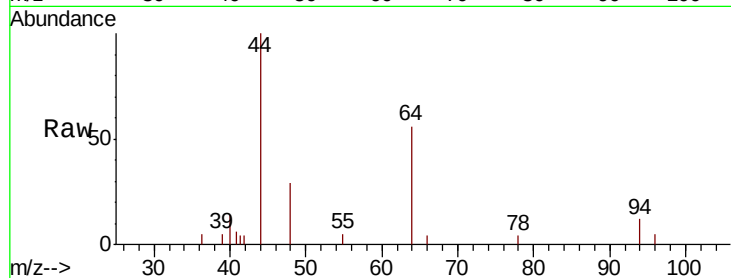
MW-102S

Tot Ion: 64 Resp: 3305

Ion Ratio Lower Upper

64 100

66 8.9 25.6 38.4#



#10

Methyl Iodide

Concen: 5.099 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012917.D

Acq: 09 Oct 2019 03:08

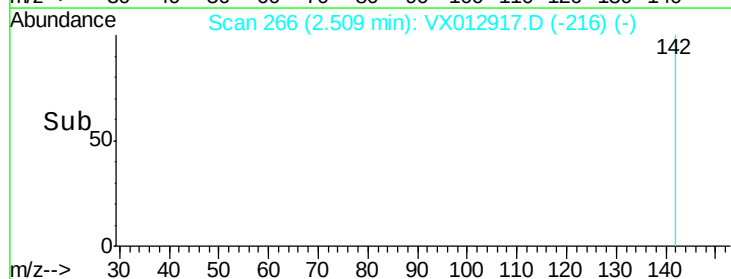
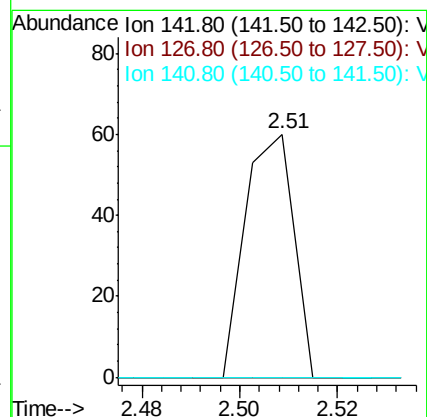
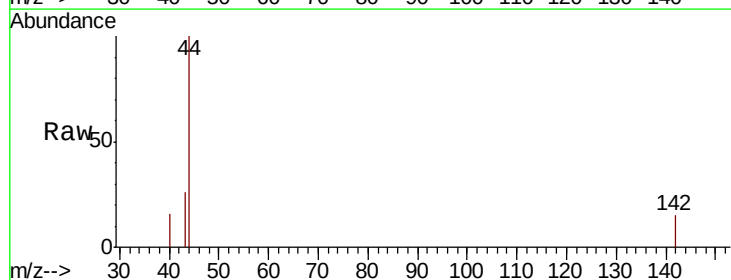
Tgt Ion: 142 Resp: 41

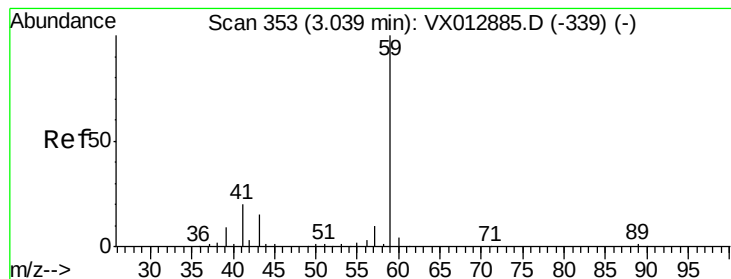
Ion Ratio Lower Upper

142 100

127 0.0 34.9 52.3#

141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 1.185 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX012917.D

Acq: 09 Oct 2019 03:08

Instrument :

MSVOA_X

ClientSampled :

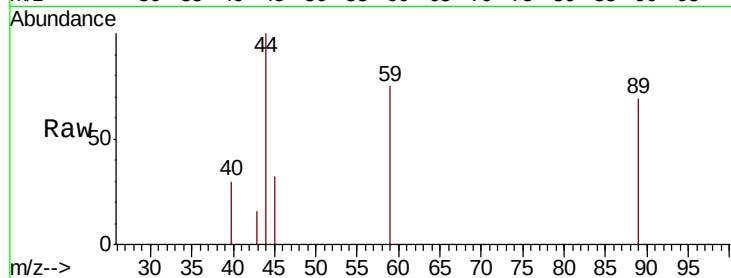
MW-102S

Tot Ion: 59 Resp: 727

Ion Ratio Lower Upper

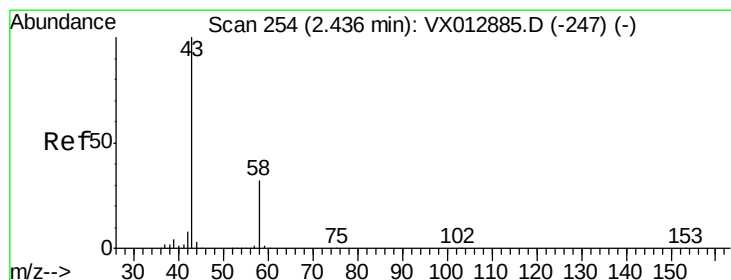
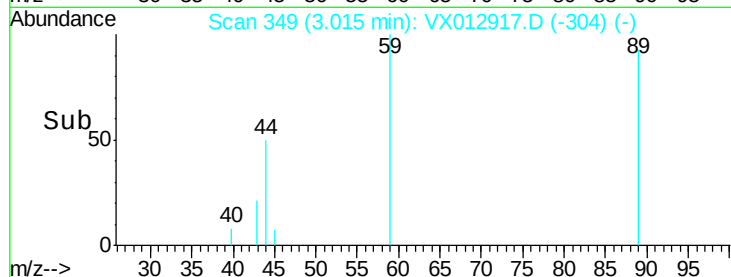
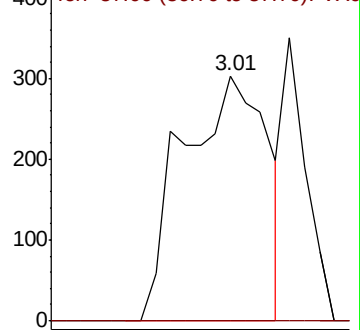
59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#16

Acetone

Concen: 4.911 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX012917.D

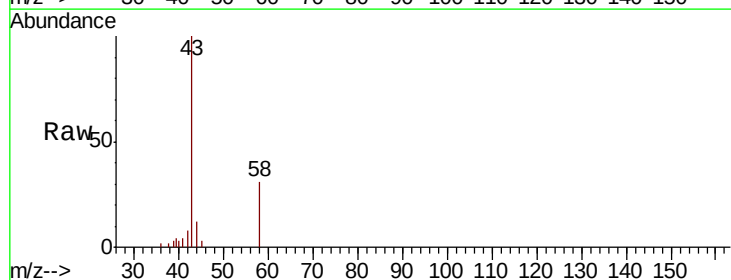
Acq: 09 Oct 2019 03:08

Tgt Ion: 43 Resp: 5990

Ion Ratio Lower Upper

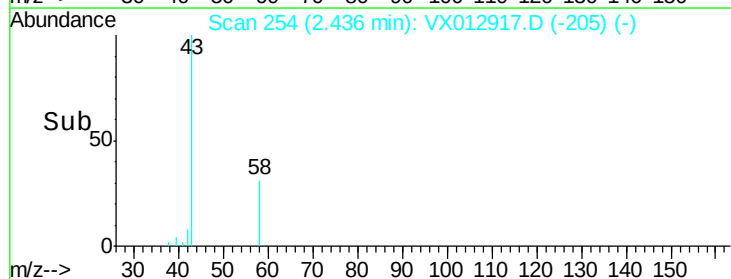
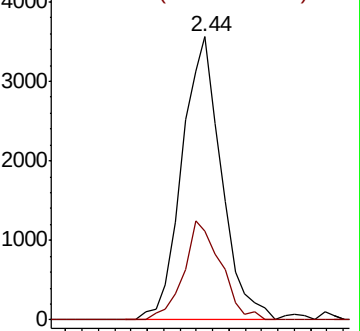
43 100

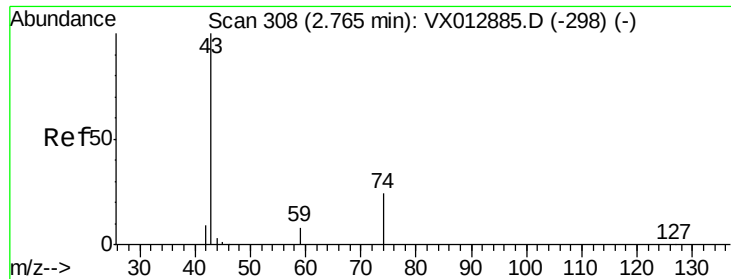
58 31.2 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

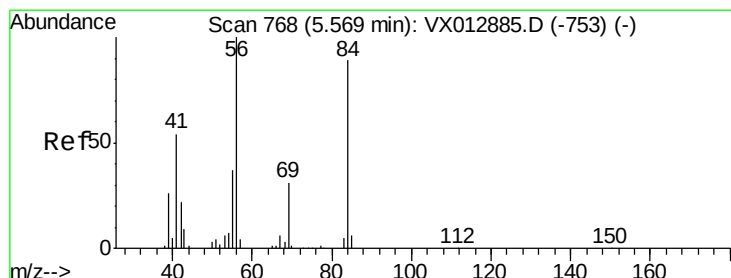
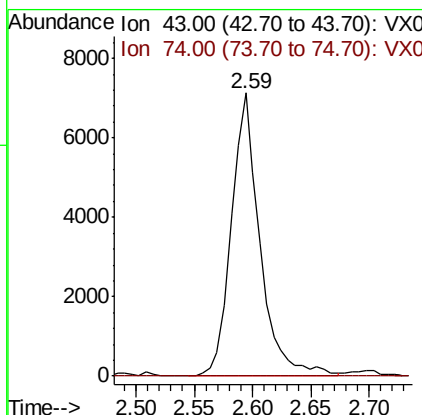
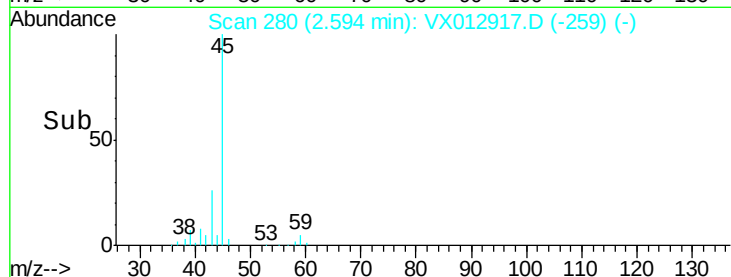
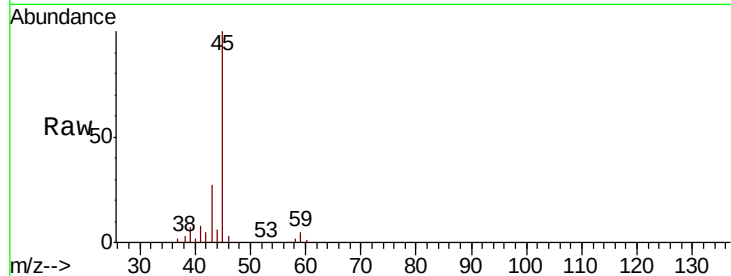




#18
Methvl Acetate
Concen: 4.222 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012917.D
Acq: 09 Oct 2019 03:08

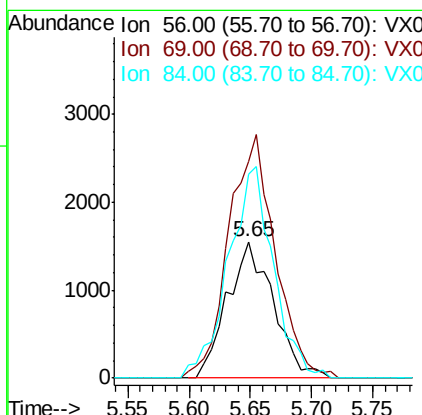
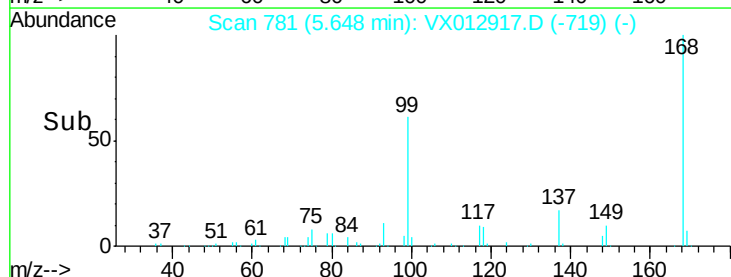
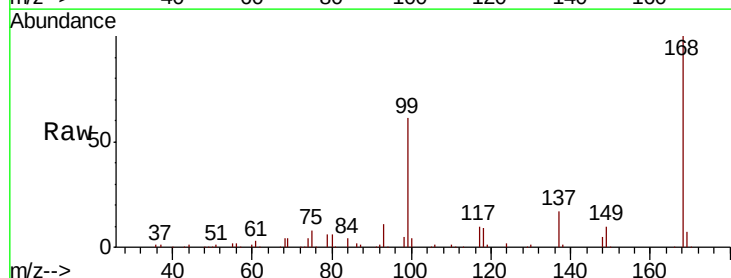
Instrument :
MSVOA_X
ClientSampleId :
MW-102S

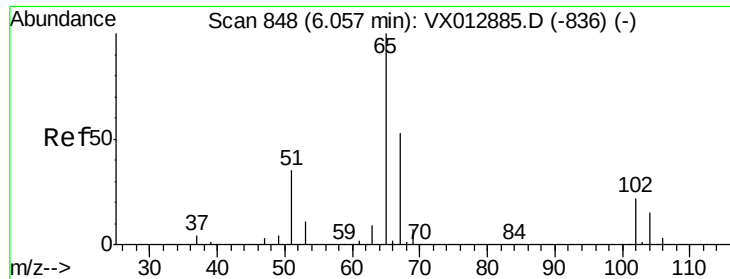
Tot Ion: 43 Resp: 12204
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.210 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012917.D
Acq: 09 Oct 2019 03:08

Tgt Ion: 56 Resp: 4063
Ion Ratio Lower Upper
56 100
69 159.2 25.2 37.8#
84 149.4 71.3 106.9#

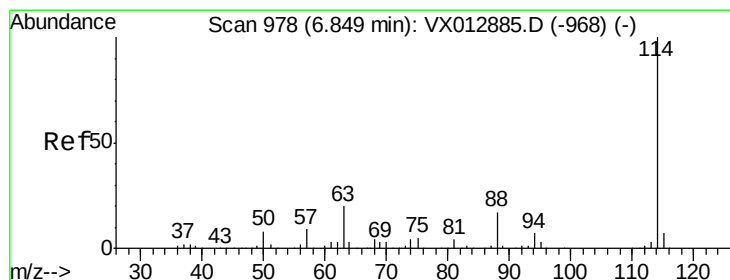
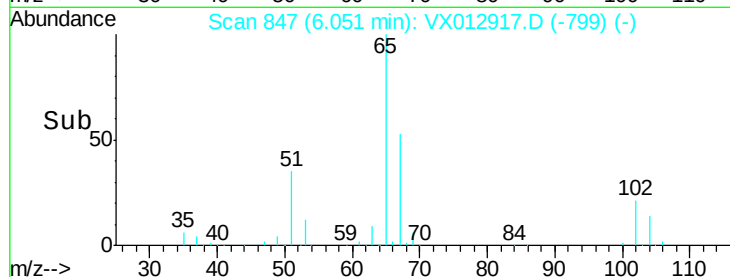
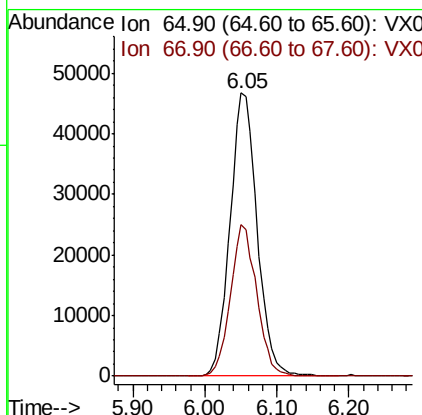
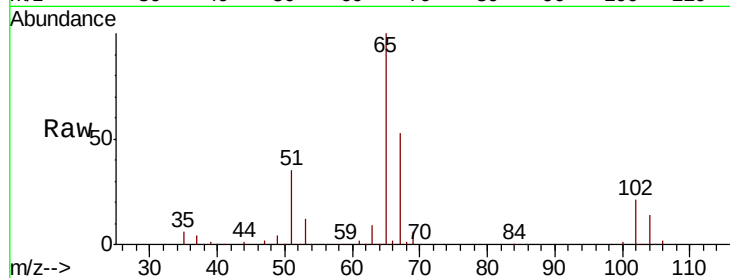




#33
 1,2-Dichloroethane-d4
 Concen: 52.974 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012917.D
 Acq: 09 Oct 2019 03:08

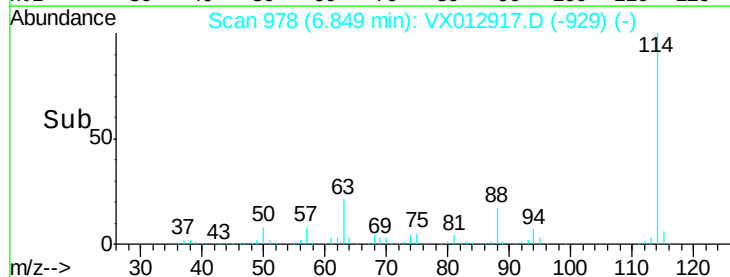
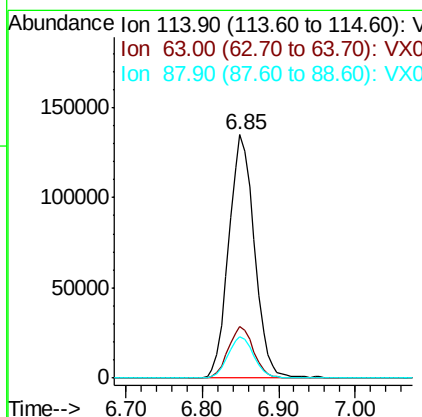
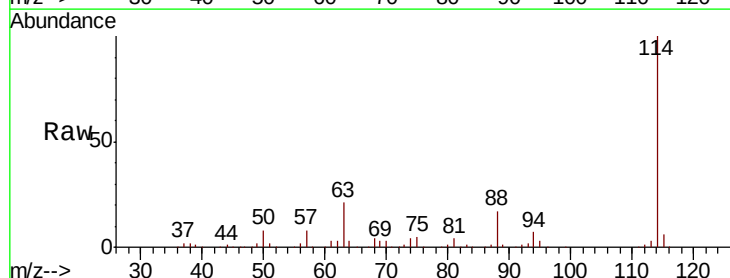
Instrument :
 MSVOA_X
 ClientSampled :
 MW-102S

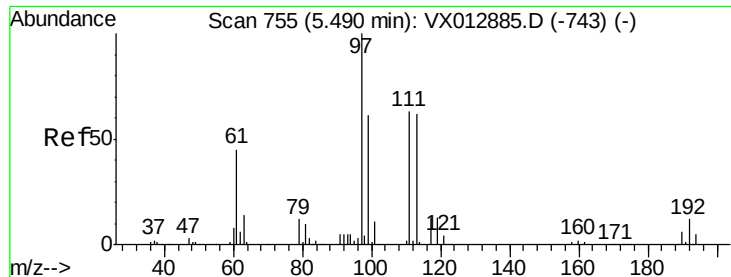
Tot Ion: 65 Resp: 122576
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012917.D
 Acq: 09 Oct 2019 03:08

Tgt Ion: 114 Resp: 313697
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.8
 88 17.0 0.0 33.8

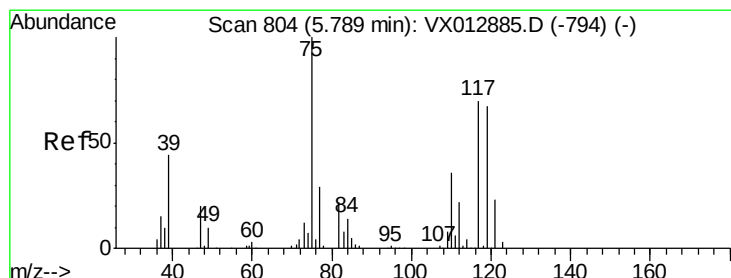
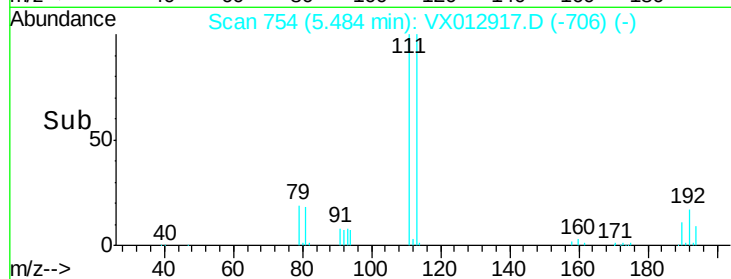
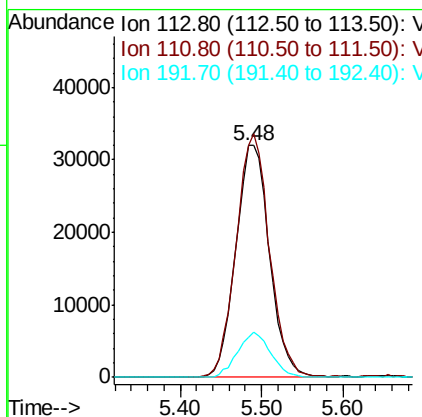
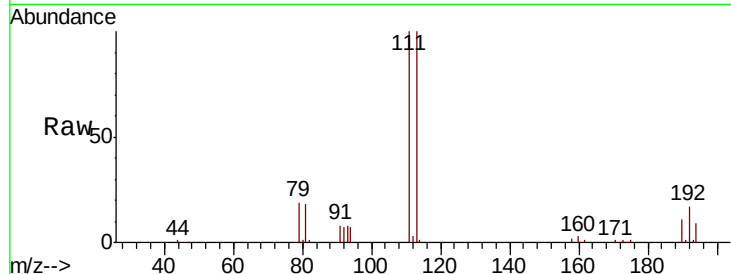




#35
 Dibromofluoromethane
 Concen: 51.045 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012917.D
 Acq: 09 Oct 2019 03:08

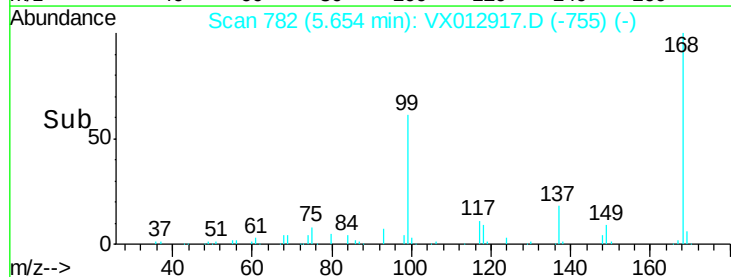
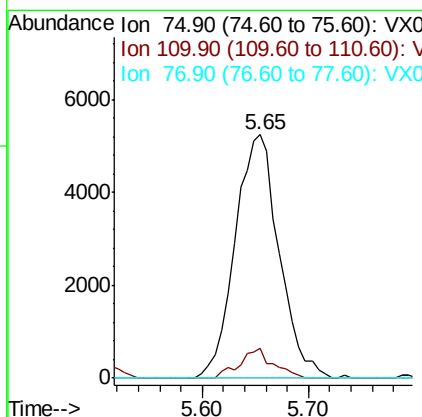
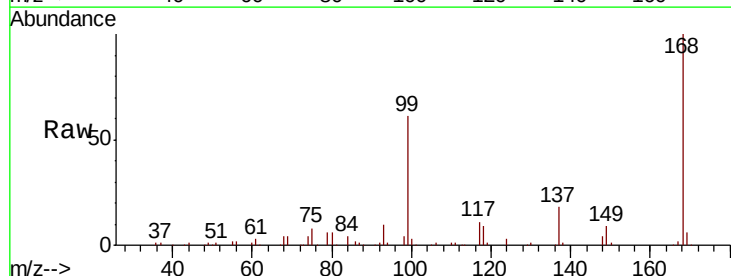
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-102S

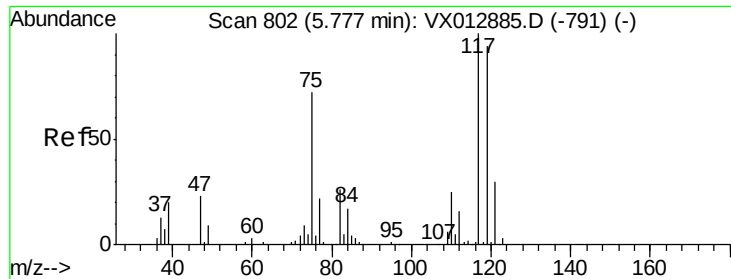
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.2	124.8
192	19.3	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 5.498 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012917.D
 Acq: 09 Oct 2019 03:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.6	52.9#
77	0.0	24.4	36.6#

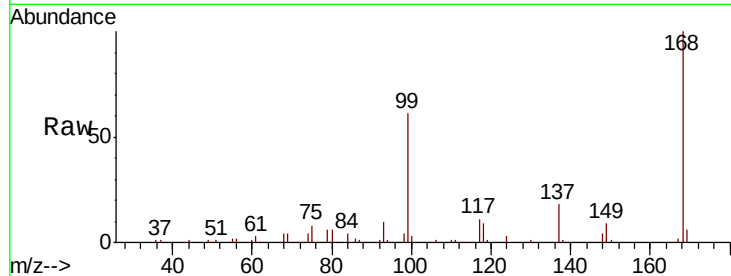




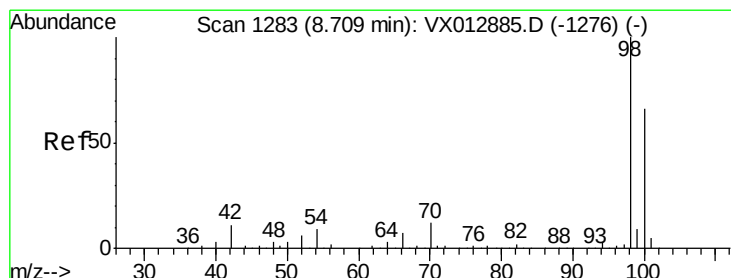
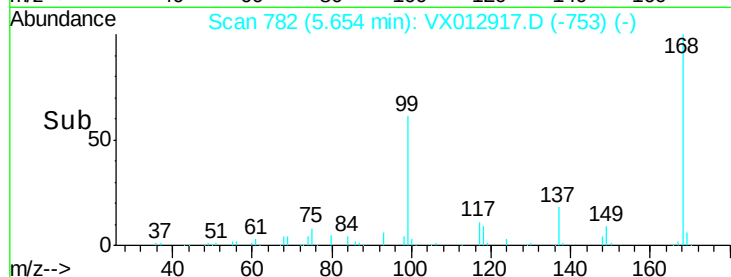
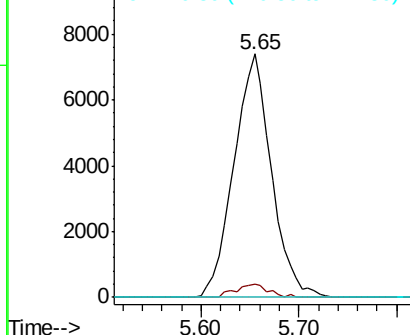
#38
Carbon Tetrachloride
Concen: 7.322 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012917.D
Acq: 09 Oct 2019 03:08

Instrument :
MSVOA_X
ClientSampleId :
MW-102S

Tot Ion:117 Resp: 19655
Ion Ratio Lower Upper
117 100
119 5.2 74.5 111.7#
121 0.0 24.2 36.4#

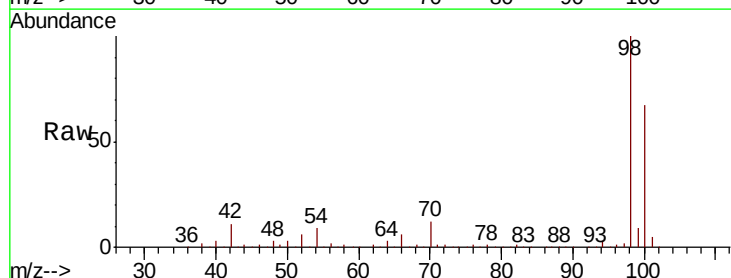


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

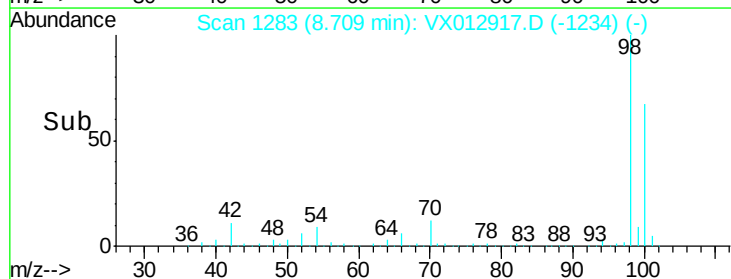
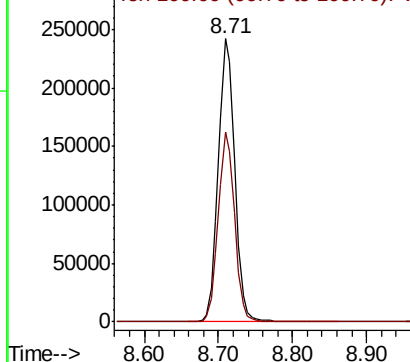


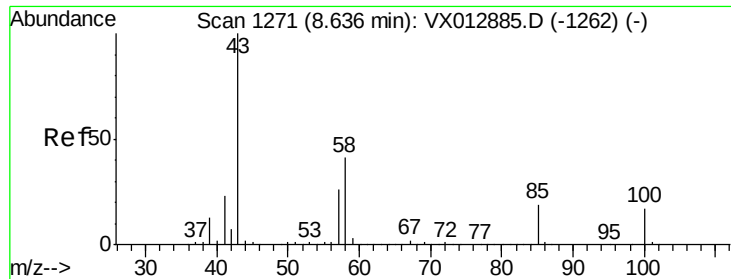
#50
Toluene-d8
Concen: 52.674 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012917.D
Acq: 09 Oct 2019 03:08

Tgt Ion: 98 Resp: 369887
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.567 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012917.D

Acq: 09 Oct 2019 03:08

Instrument :

MSVOA_X

ClientSampled :

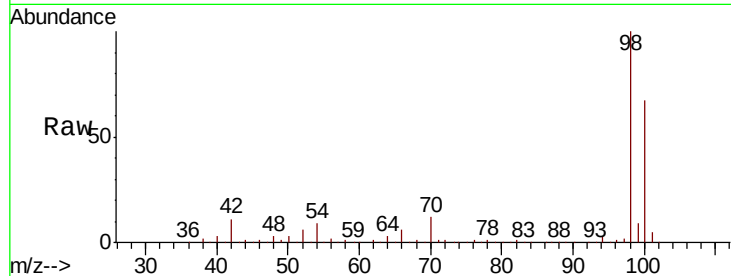
MW-102S

Tot Ion: 43 Resp: 1751

Ion Ratio Lower Upper

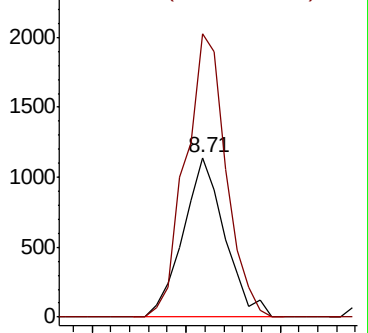
43 100

58 172.3 32.4 48.6#

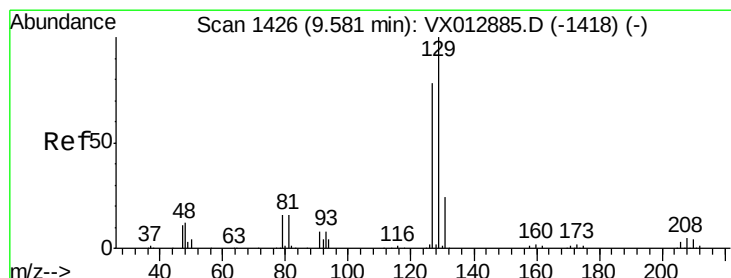
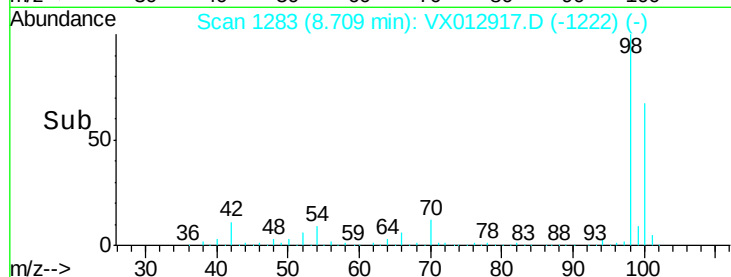


Abundance Ion 43.00 (42.70 to 43.70): VX012885.D (-1262) (-)

Ion 58.00 (57.70 to 58.70): VX012885.D (-1262) (-)



Time-->



#60

Dibromochloromethane

Concen: 3.530 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012917.D

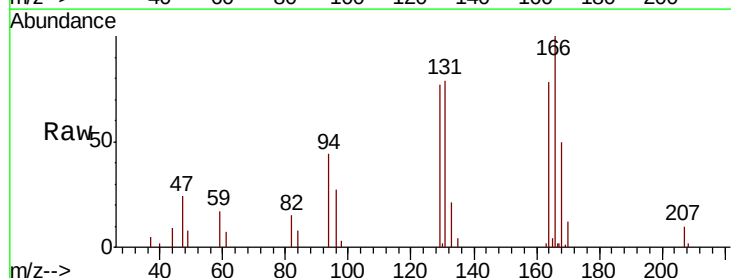
Acq: 09 Oct 2019 03:08

Tgt Ion: 129 Resp: 3989

Ion Ratio Lower Upper

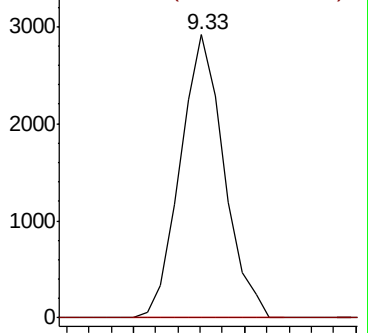
129 100

127 0.0 38.9 116.7#

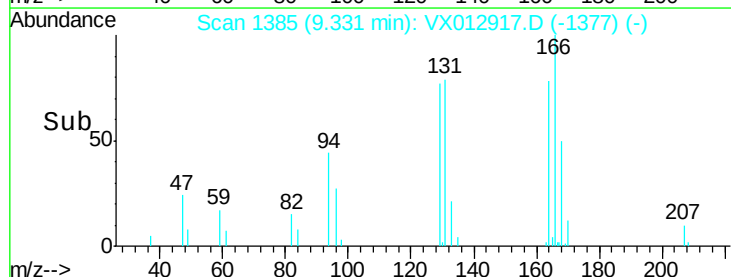


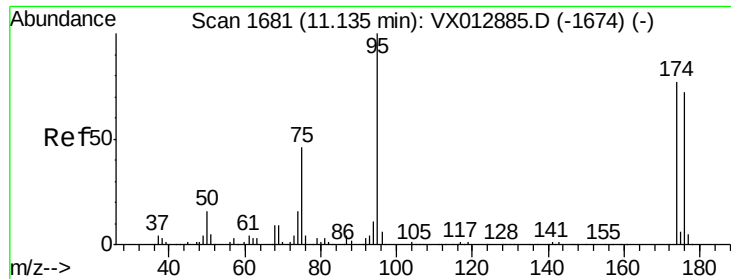
Abundance Ion 128.80 (128.50 to 129.50): VX012885.D (-1418) (-)

Ion 126.80 (126.50 to 127.50): VX012885.D (-1418) (-)



Time-->





#62

4-Bromofluorobenzene

Concen: 46.581 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012917.D

Acq: 09 Oct 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

MW-102S

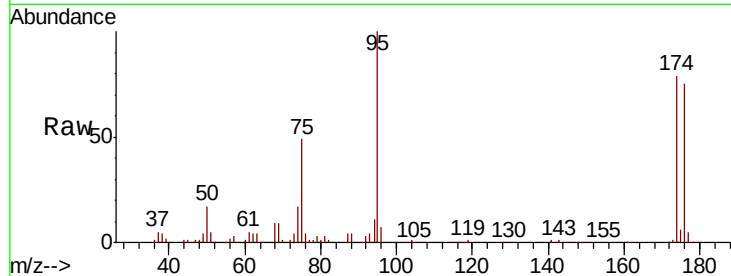
Tot Ion: 95 Resp: 127099

Ion Ratio Lower Upper

95 100

174 73.4 0.0 143.4

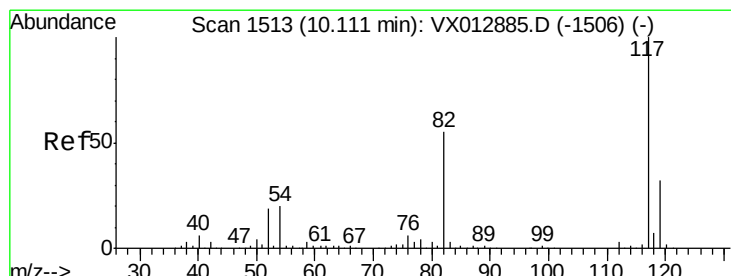
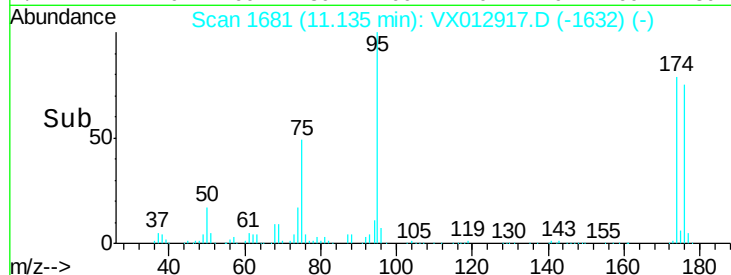
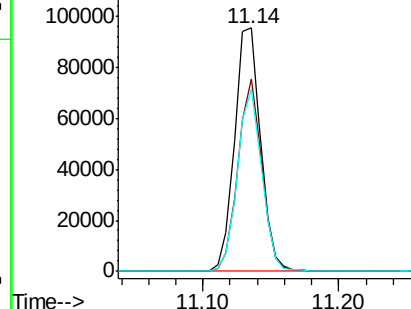
176 70.0 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX012917.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012917.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012917.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012917.D

Acq: 09 Oct 2019 03:08

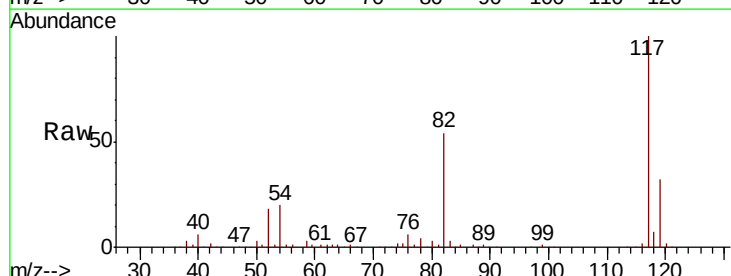
Tgt Ion: 117 Resp: 272067

Ion Ratio Lower Upper

117 100

82 53.9 44.1 66.1

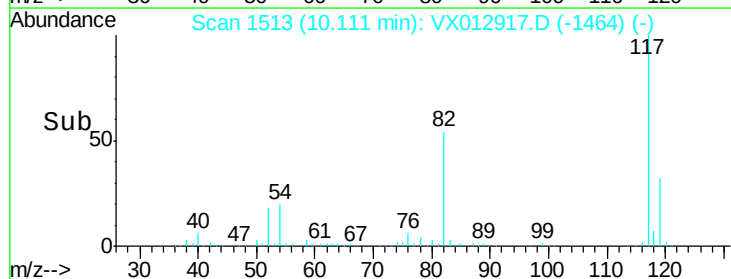
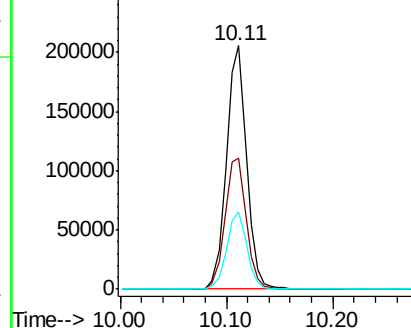
119 31.9 25.8 38.8

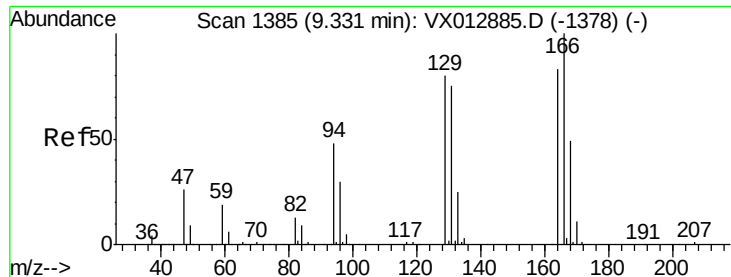


Abundance Ion 116.90 (116.60 to 117.60): VX012917.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012917.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012917.D (-1464) (-)





#64

Tetrachloroethene

Concen: 2.133 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX012917.D

Acq: 09 Oct 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

MW-102S

Tot Ion:164 Resp: 4026

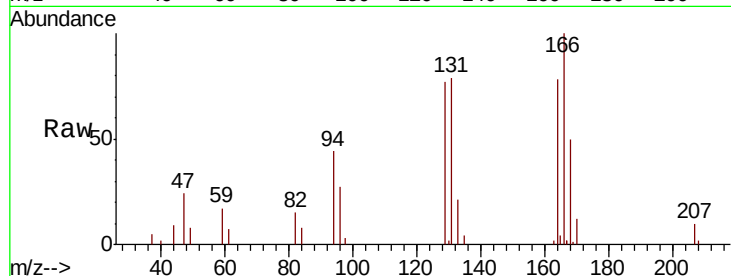
Ion Ratio Lower Upper

164 100

166 128.3 96.9 145.3

129 99.1 77.9 116.9

131 101.3 72.7 109.1



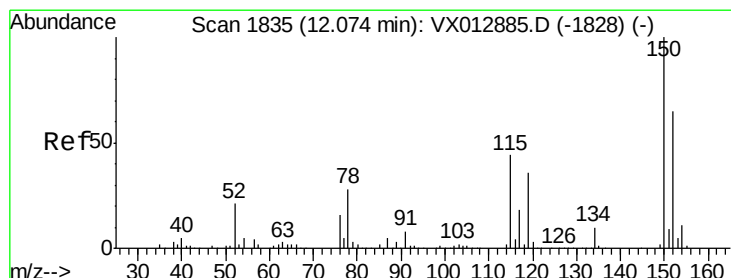
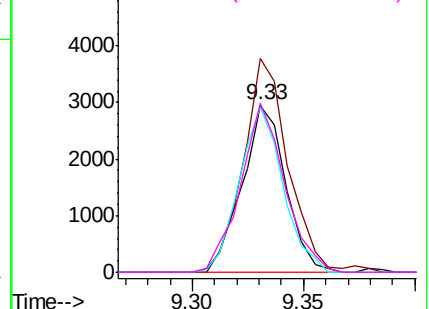
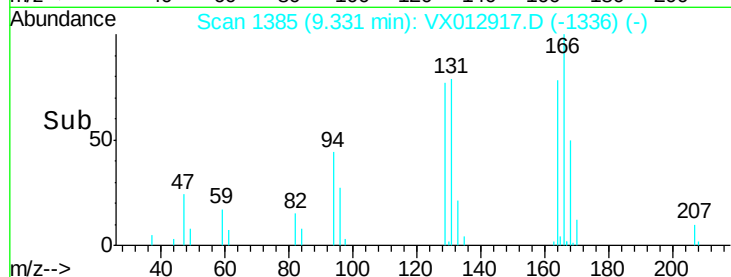
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012917.D

Acq: 09 Oct 2019 03:08

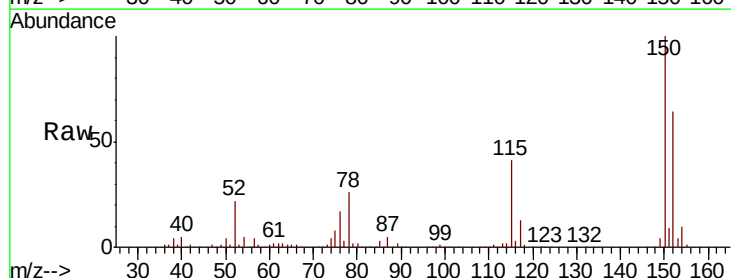
Tgt Ion:152 Resp: 110227

Ion Ratio Lower Upper

152 100

115 63.9 44.5 133.5

150 155.5 0.0 353.4

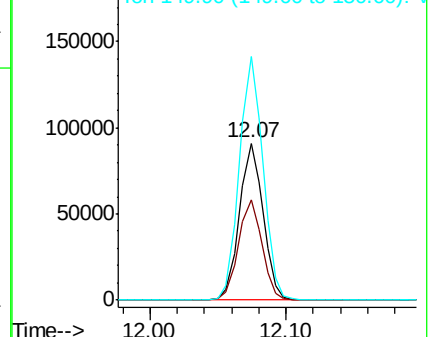
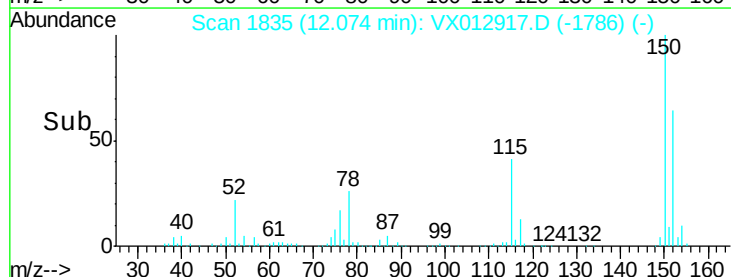


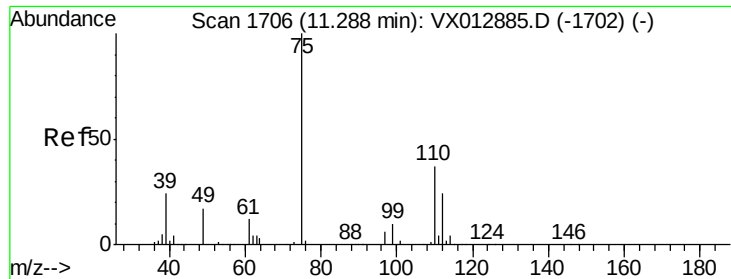
Abundance

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: 26.020 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012917.D

Acq: 09 Oct 2019 03:08

Instrument :

MSVOA_X

ClientSampled :

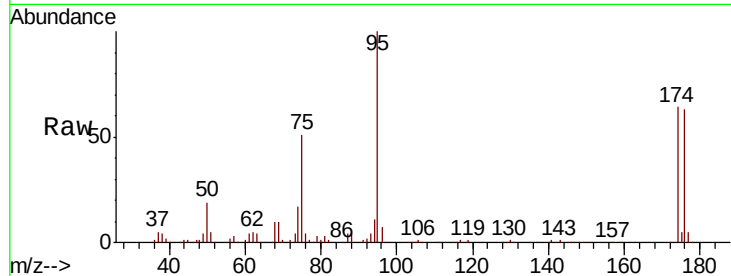
MW-102S

Tot Ion: 75 Resp: 63615

Ion Ratio Lower Upper

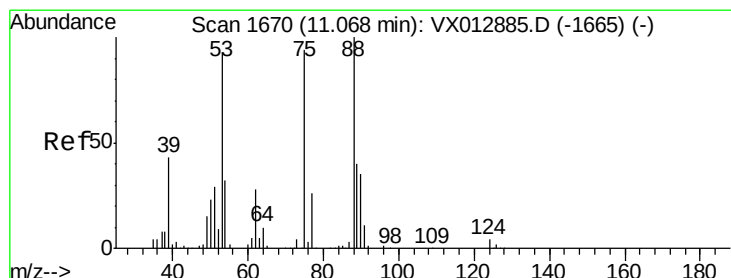
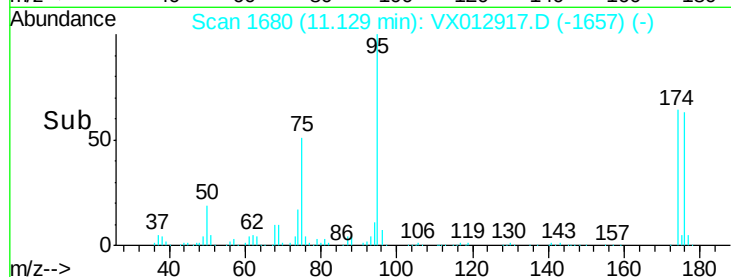
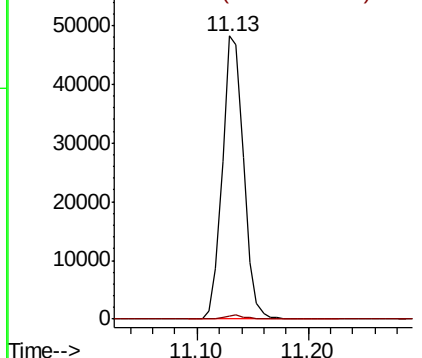
75 100

77 1.4 22.9 68.8#



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: 65.529 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012917.D

Acq: 09 Oct 2019 03:08

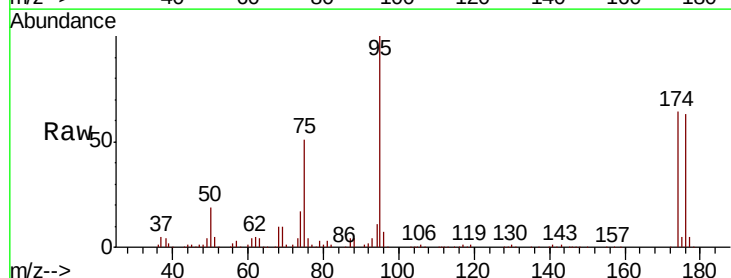
Tgt Ion: 75 Resp: 63615

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 37.4 56.2#



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

