

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009498.D
 Acq On : 10 May 2019 22:00
 Operator : JC/SP
 Sample : K2783-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW215-190508

Quant Time: May 11 03:32:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	182607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	291597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105986	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	120616	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
35) Dibromofluoromethane	5.50	113	88926	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	8.71	98	363091	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.13	95	117714	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	

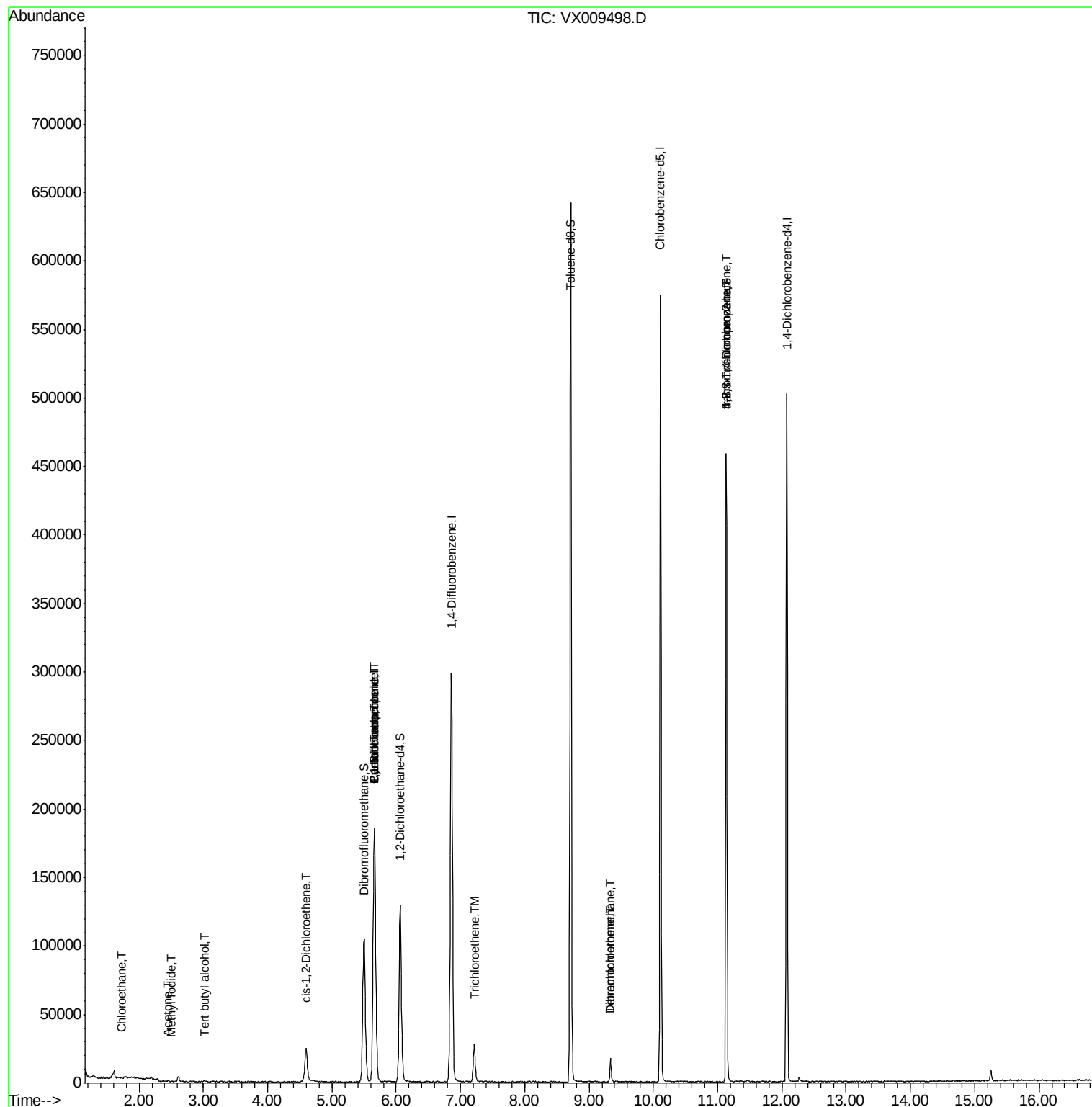
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	1409	0.980	ug/l #	66
10) Methyl Iodide	2.51	142	21	4.603	ug/l #	26
11) Tert butyl alcohol	3.03	59	698	1.210	ug/l #	73
16) Acetone	2.44	43	771	0.576	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	15374	6.932	ug/l	89
28) Bromochloromethane	5.03	49	117	Below Cal	#	20
31) Cyclohexane	5.67	56	4167	1.131	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14005	5.168	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16983	6.898	ug/l #	16
44) Trichloroethene	7.21	130	9945	4.905	ug/l	98
60) Dibromochloromethane	9.34	129	3102	1.527	ug/l #	11
64) Tetrachloroethene	9.34	164	3249	1.871	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	60826	24.741	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60826	63.304	ug/l #	10

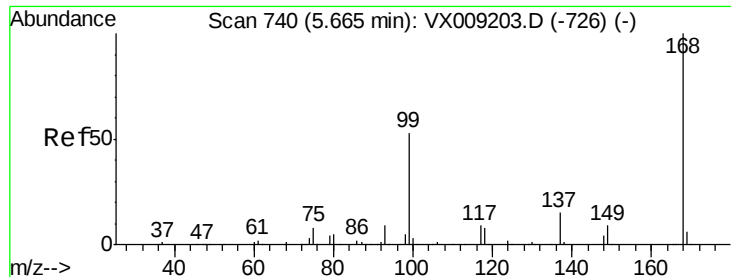
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009498.D

Acq: 10 May 2019 22:00

Instrument :

MSVOA_X

ClientSampleId :

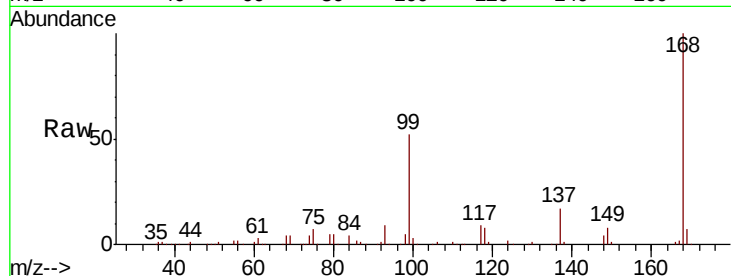
SS037MW215-190508

Tot Ion:168 Resp: 182607

Ion Ratio Lower Upper

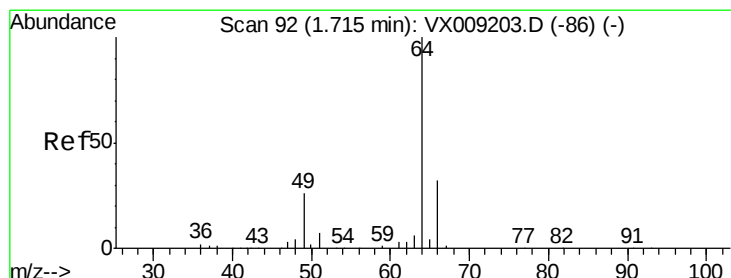
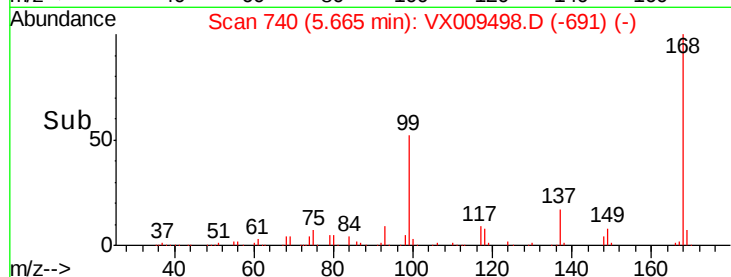
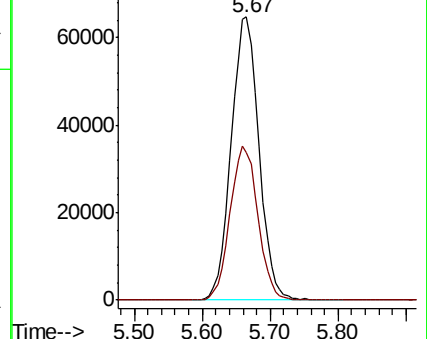
168 100

99 52.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.980 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX009498.D

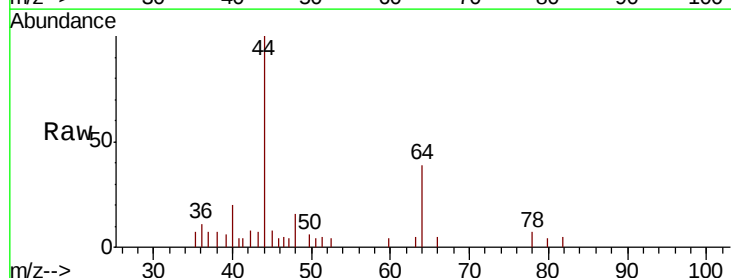
Acq: 10 May 2019 22:00

Tgt Ion: 64 Resp: 1409

Ion Ratio Lower Upper

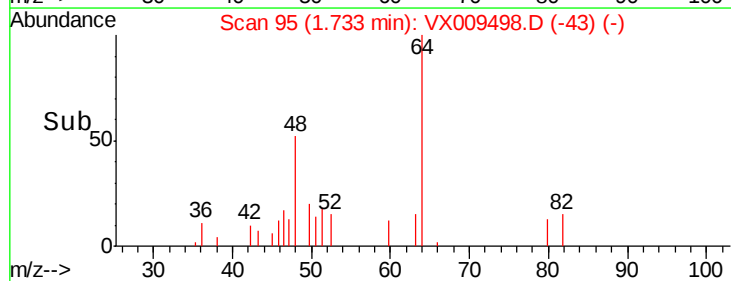
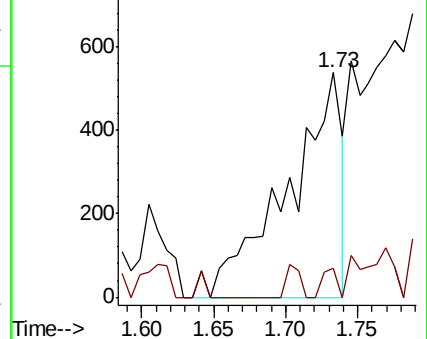
64 100

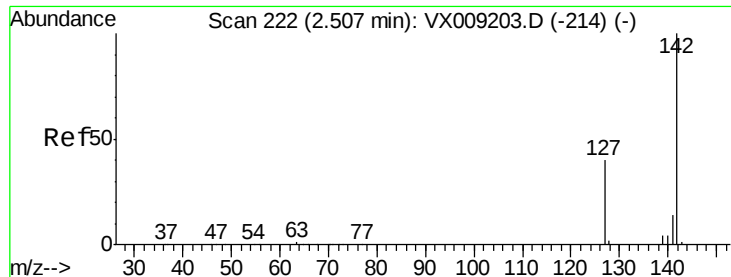
66 13.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

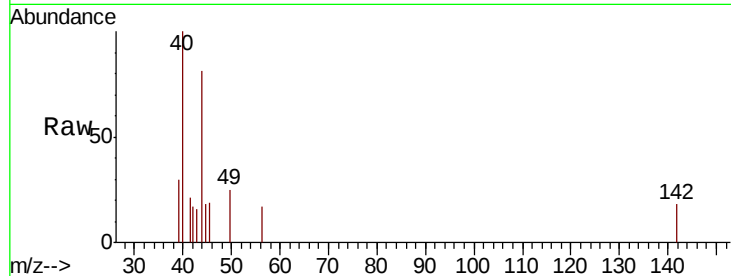




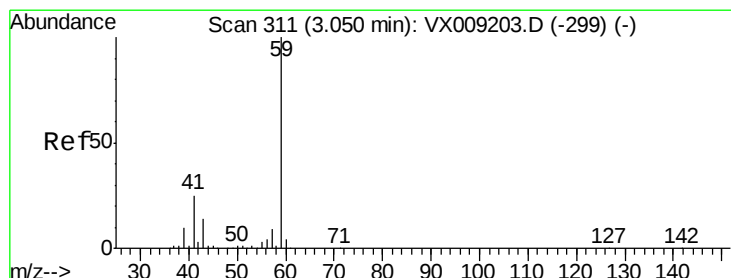
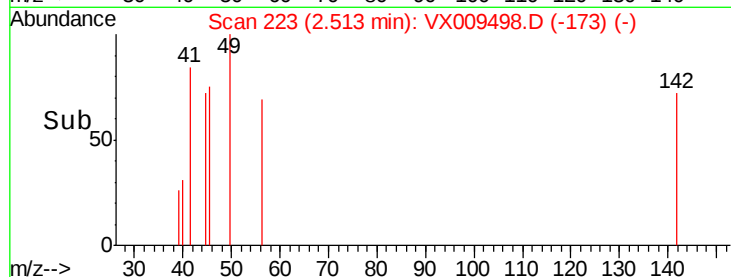
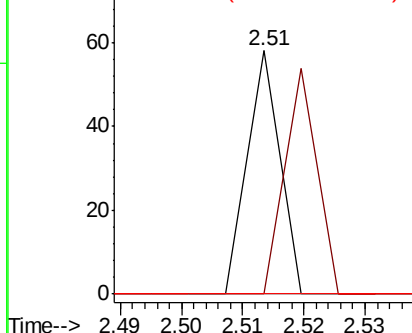
#10
Methyl Iodide
Concen: 4.603 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009498.D
Acq: 10 May 2019 22:00

Instrument :
MSVOA_X
ClientSampleId :
SS037MW215-190508

Tot Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 95.2 32.7 49.1#
141 0.0 11.5 17.3#

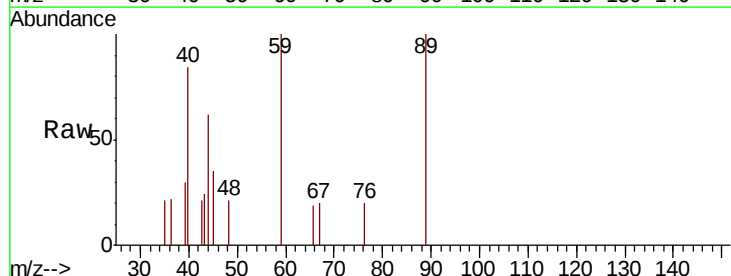


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

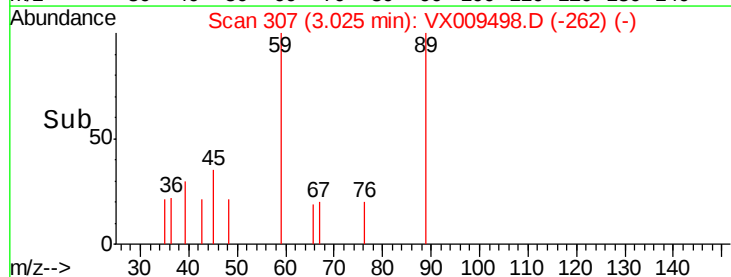
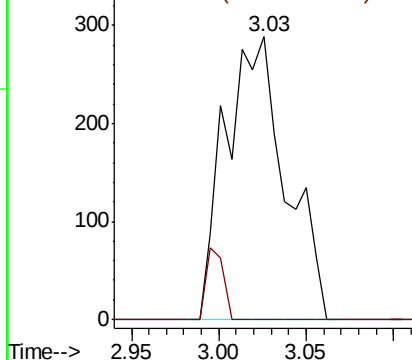


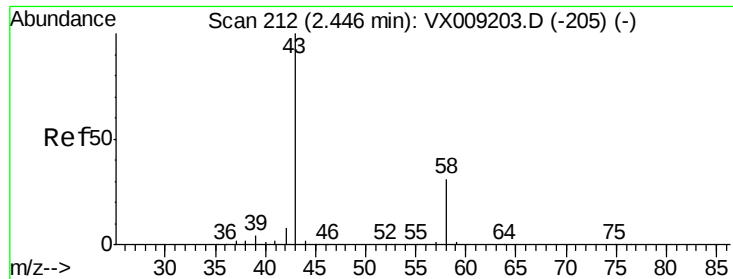
#11
Tert butyl alcohol
Concen: 1.210 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009498.D
Acq: 10 May 2019 22:00

Tgt Ion: 59 Resp: 698
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



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





#16

Acetone

Concen: 0.576 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009498.D

Acq: 10 May 2019 22:00

Instrument :

MSVOA_X

ClientSampleId :

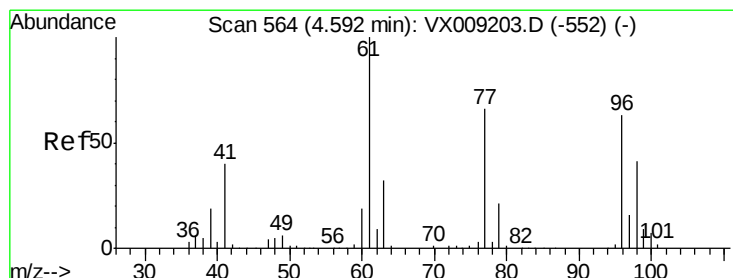
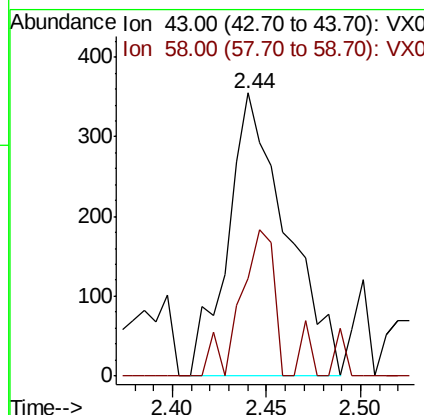
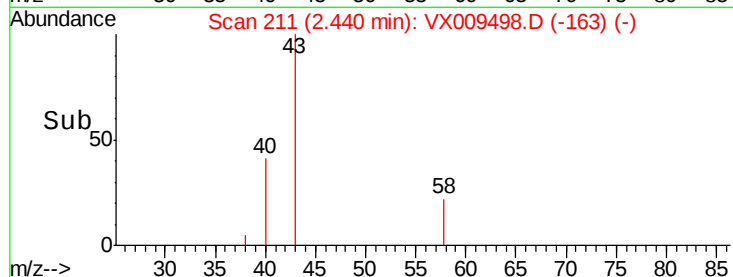
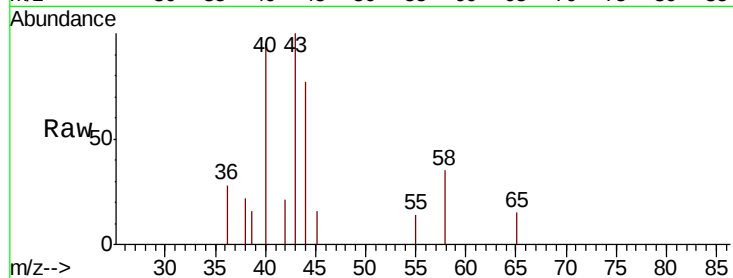
SS037MW215-190508

Tot Ion: 43 Resp: 771

Ion Ratio Lower Upper

43 100

58 34.6 24.9 37.3



#27

cis-1,2-Dichloroethene

Concen: 6.932 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009498.D

Acq: 10 May 2019 22:00

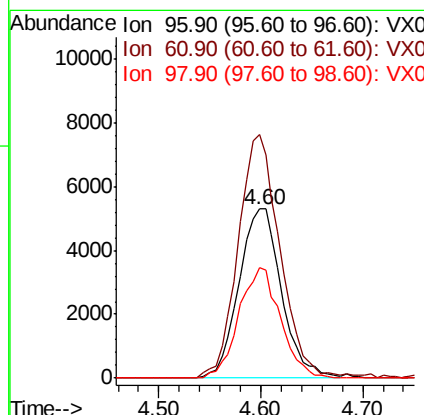
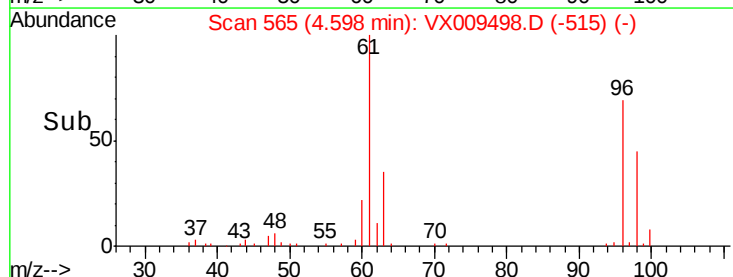
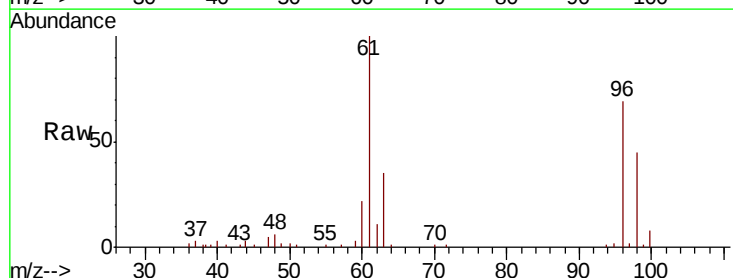
Tgt Ion: 96 Resp: 15374

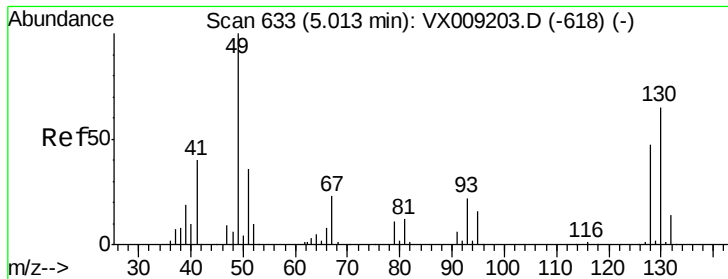
Ion Ratio Lower Upper

96 100

61 142.1 0.0 324.0

98 63.7 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX009498.D

Acq: 10 May 2019 22:00

Instrument :

MSVOA_X

ClientSampleId :

SS037MW215-190508

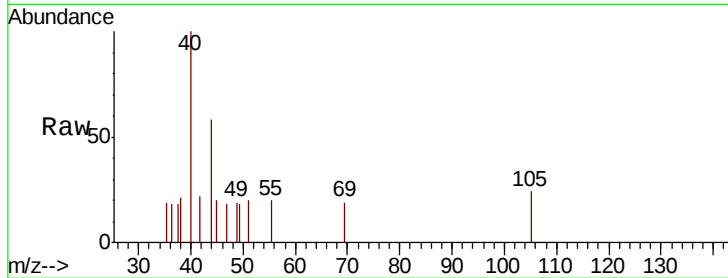
Tot Ion: 49 Resp: 117

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

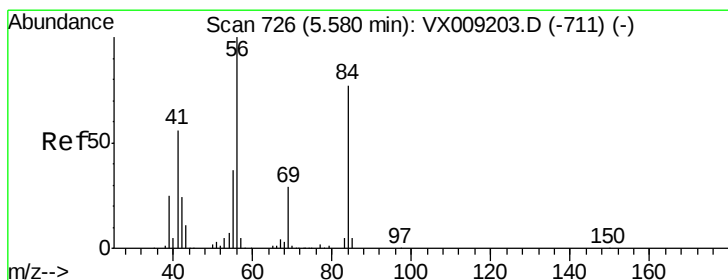
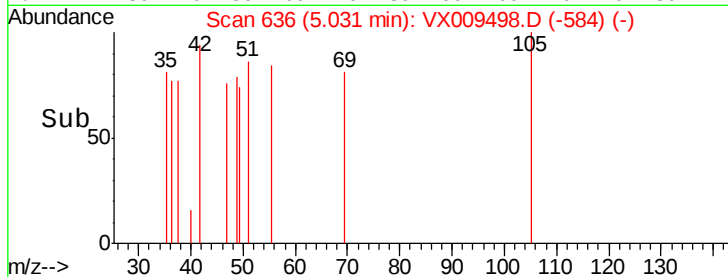
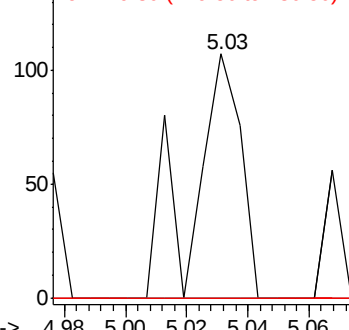
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.131 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009498.D

Acq: 10 May 2019 22:00

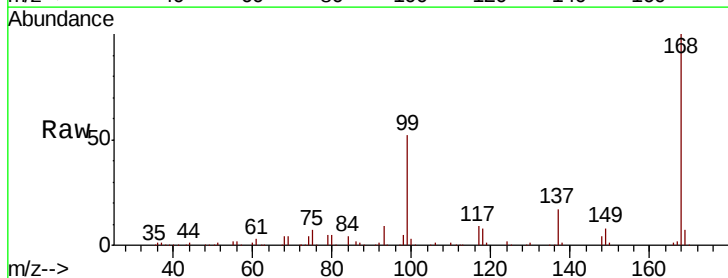
Tgt Ion: 56 Resp: 4167

Ion Ratio Lower Upper

56 100

69 177.3 23.4 35.0#

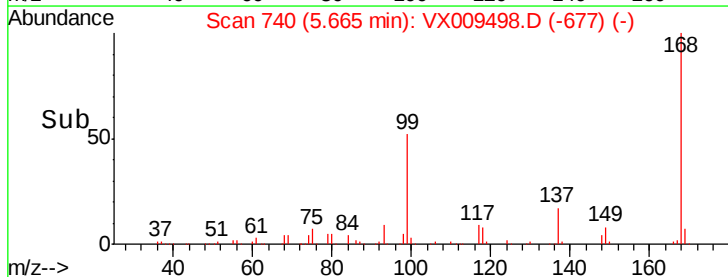
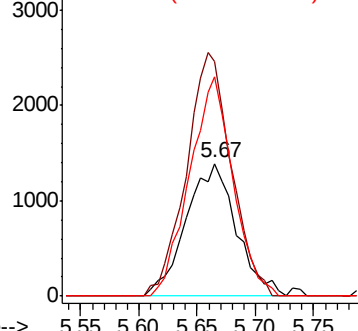
84 165.7 61.9 92.9#

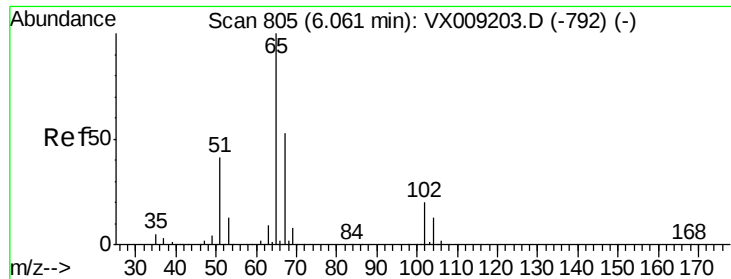


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

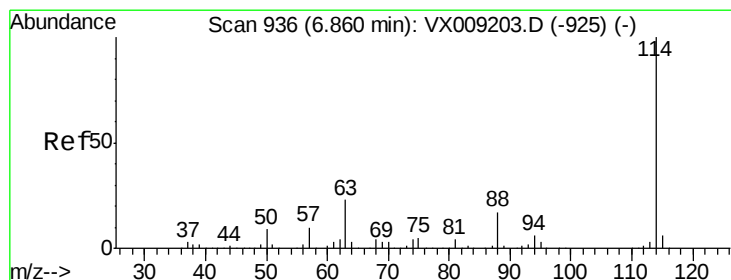
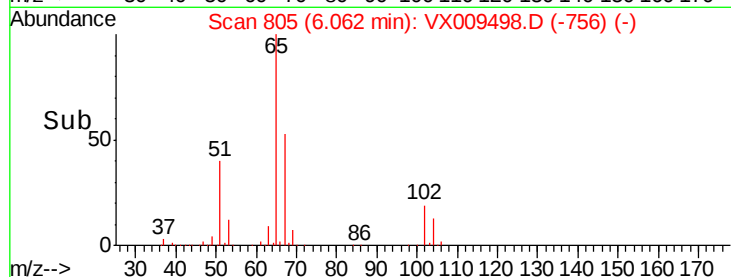
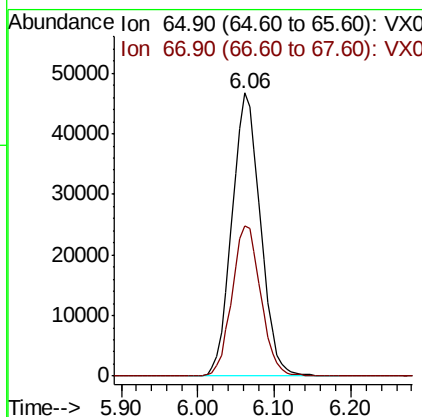
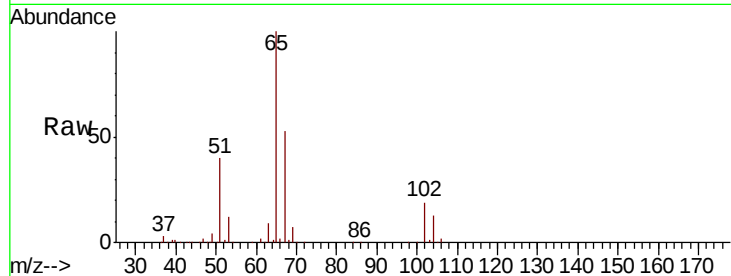




#33
 1,2-Dichloroethane-d4
 Concen: 48.386 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009498.D
 Acq: 10 May 2019 22:00

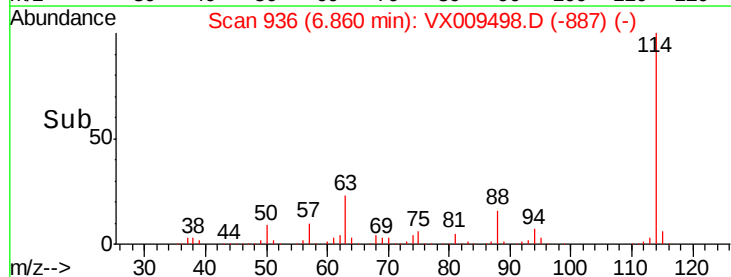
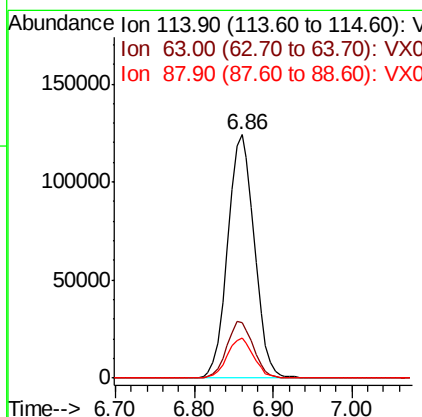
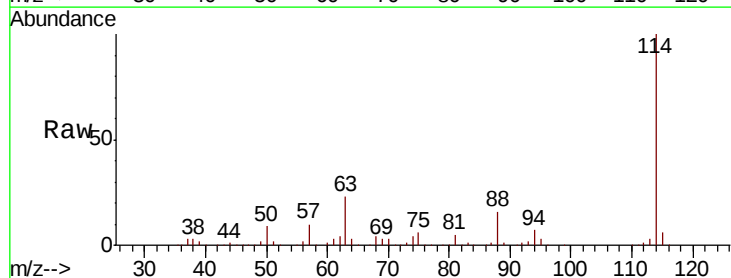
Instrument :
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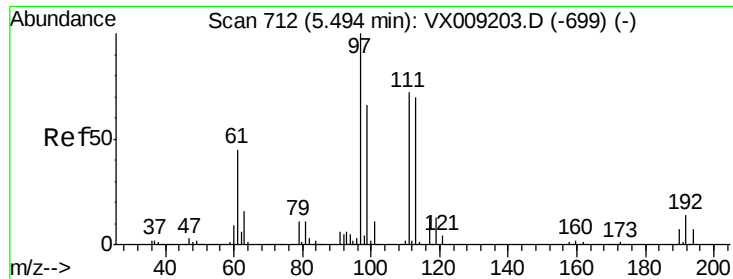
Tot Ion: 65 Resp: 120616
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009498.D
 Acq: 10 May 2019 22:00

Tgt Ion: 114 Resp: 291597
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.6
 88 16.3 0.0 33.2

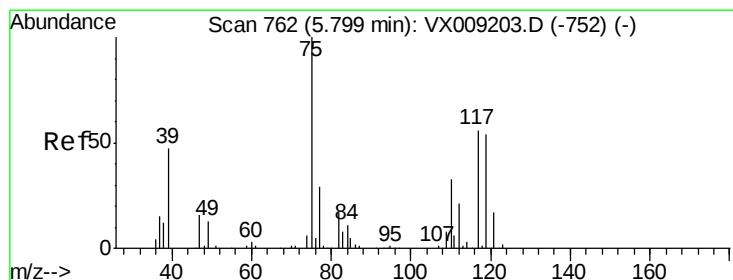
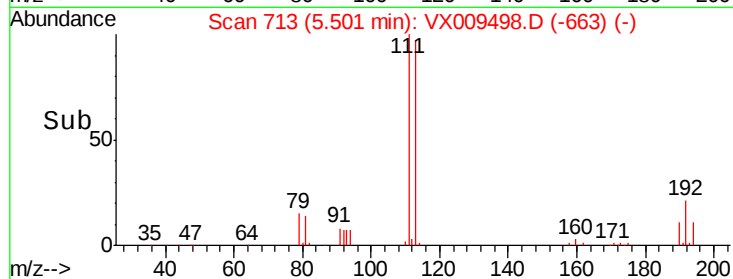
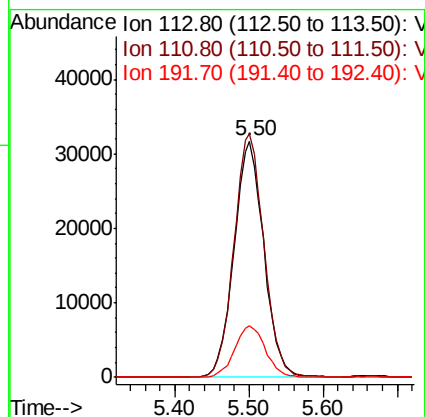
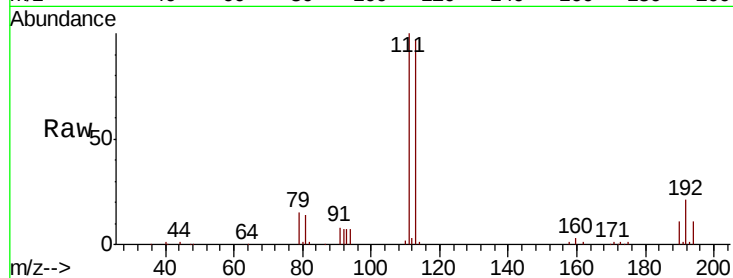




#35
 Dibromofluoromethane
 Concen: 48.511 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009498.D
 Acq: 10 May 2019 22:00

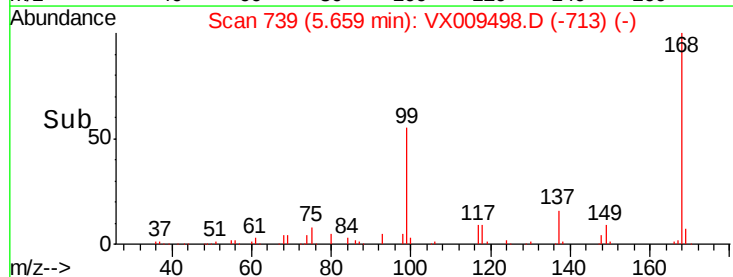
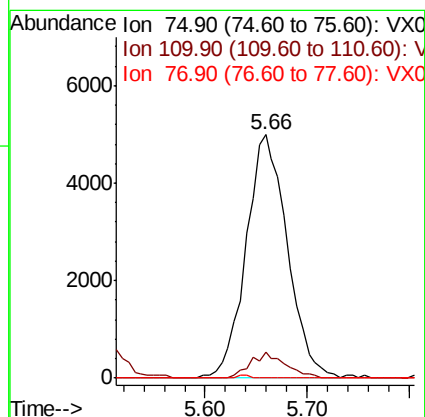
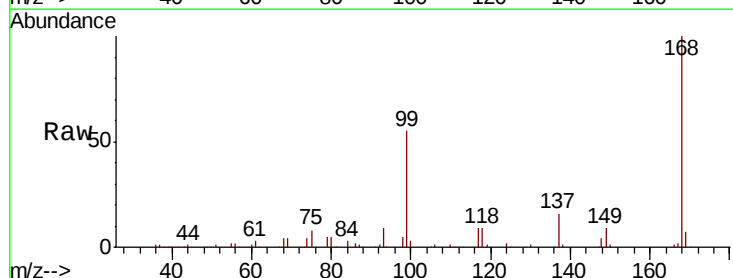
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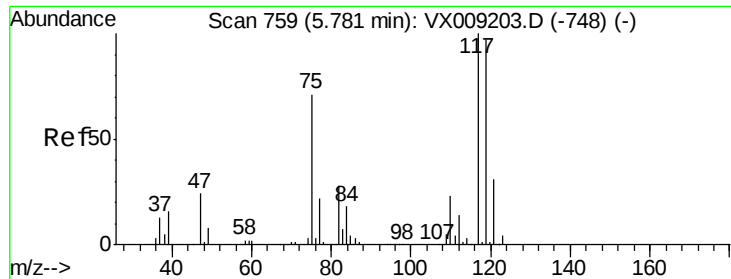
Tot Ion:113 Resp: 88926
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 22.6 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.168 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009498.D
 Acq: 10 May 2019 22:00

Tgt Ion: 75 Resp: 14005
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.6#
 77 0.0 24.8 37.2#

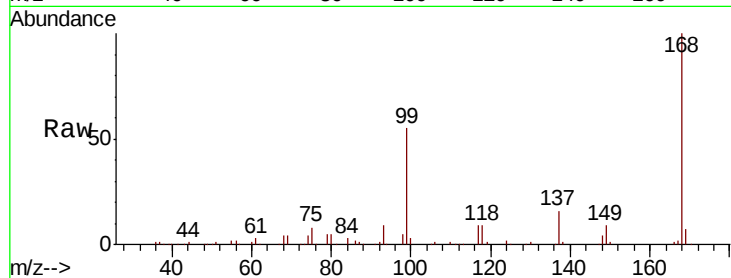




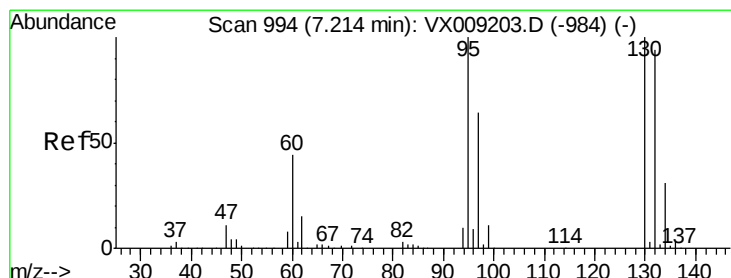
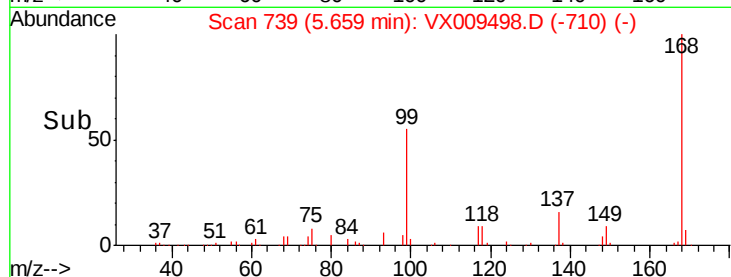
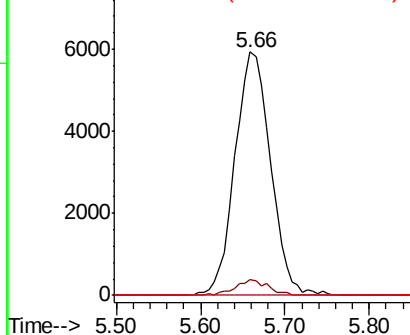
#38
Carbon Tetrachloride
Concen: 6.898 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009498.D
Acq: 10 May 2019 22:00

Instrument :
MSVOA_X
ClientSampleId :
SS037MW215-190508

Tot Ion:117 Resp: 16983
Ion Ratio Lower Upper
117 100
119 6.4 77.5 116.3#
121 0.0 24.7 37.1#

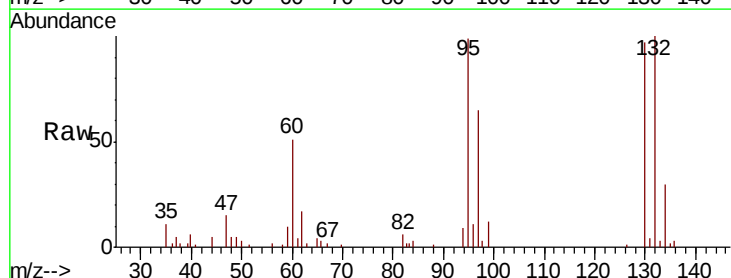


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

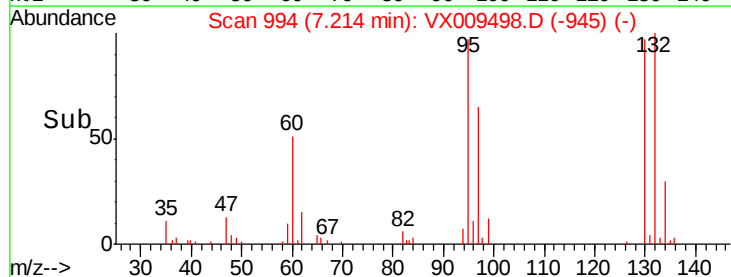
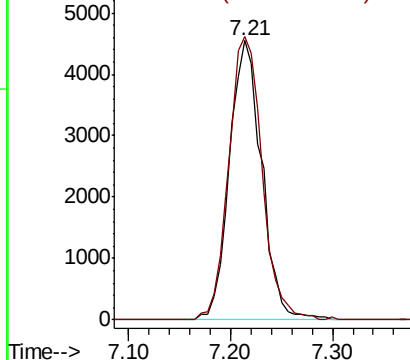


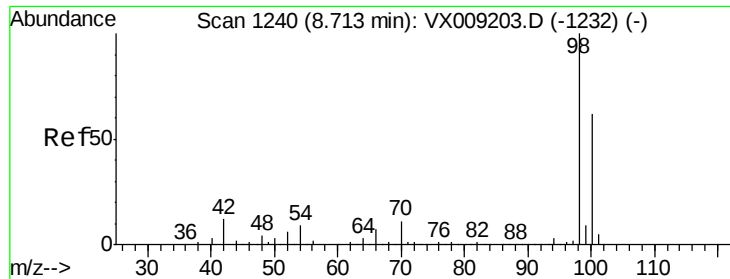
#44
Trichloroethene
Concen: 4.905 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009498.D
Acq: 10 May 2019 22:00

Tgt Ion:130 Resp: 9945
Ion Ratio Lower Upper
130 100
95 101.4 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

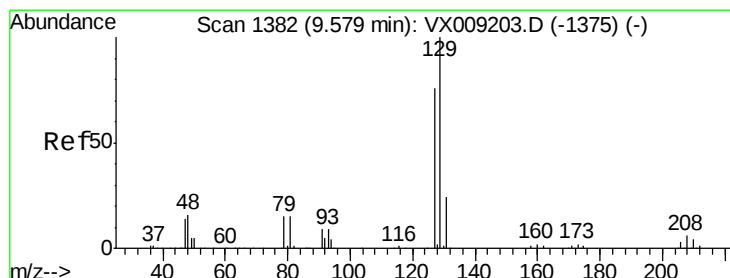
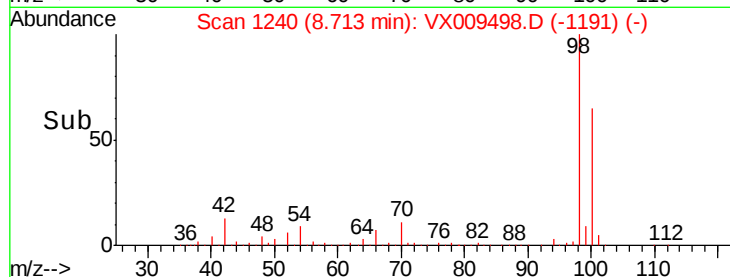
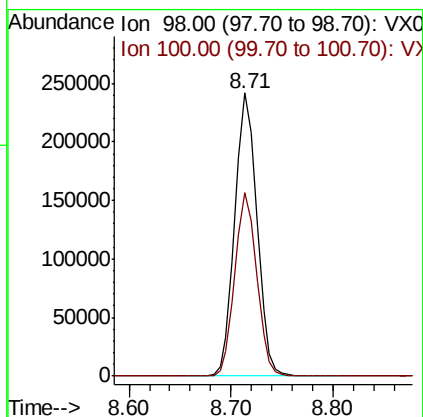
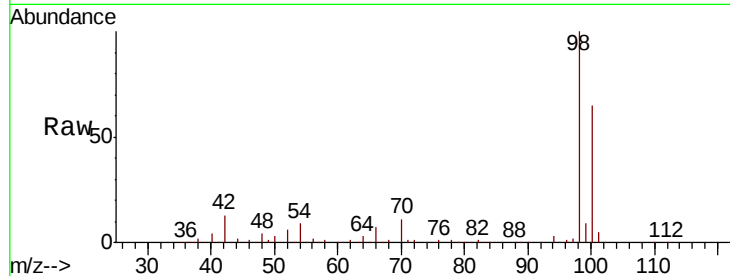




#50
Toluene-d8
Concen: 49.062 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009498.D
Acq: 10 May 2019 22:00

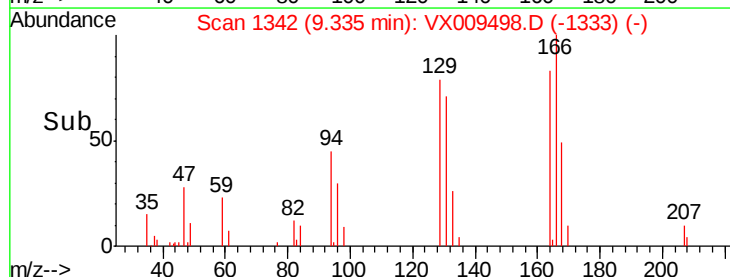
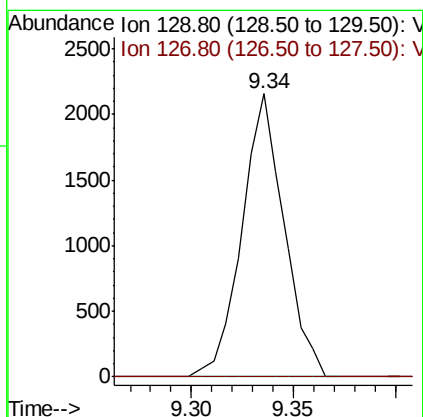
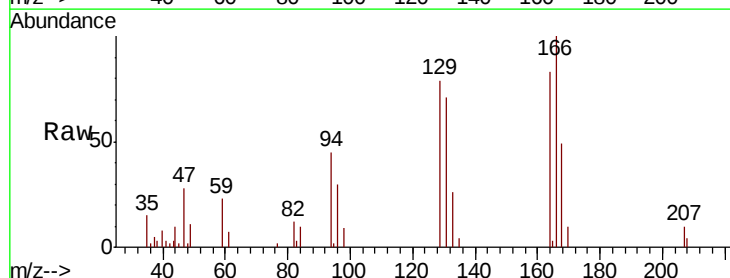
Instrument :
MSVOA_X
ClientSampleId :
SS037MW215-190508

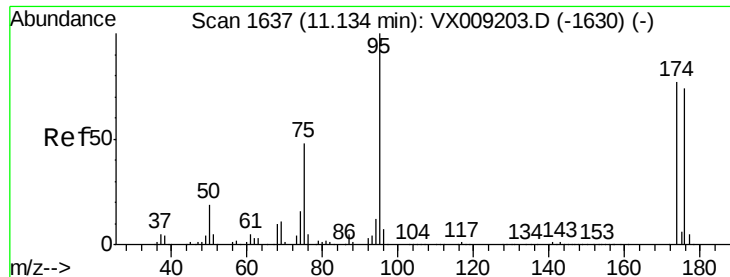
Tot Ion: 98 Resp: 363091
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



#60
Dibromochloromethane
Concen: 1.527 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX009498.D
Acq: 10 May 2019 22:00

Tgt Ion: 129 Resp: 3102
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 43.774 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009498.D

Acq: 10 May 2019 22:00

Instrument :

MSVOA_X

ClientSampleId :

SS037MW215-190508

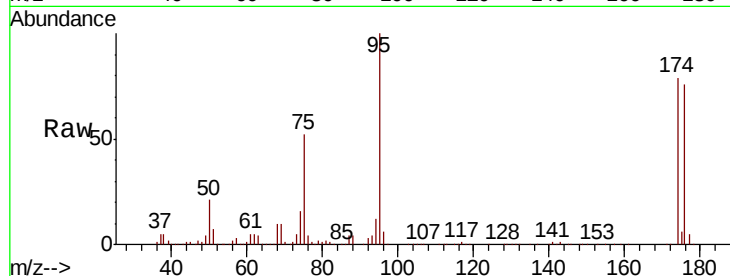
Tot Ion: 95 Resp: 117714

Ion Ratio Lower Upper

95 100

174 83.5 0.0 161.6

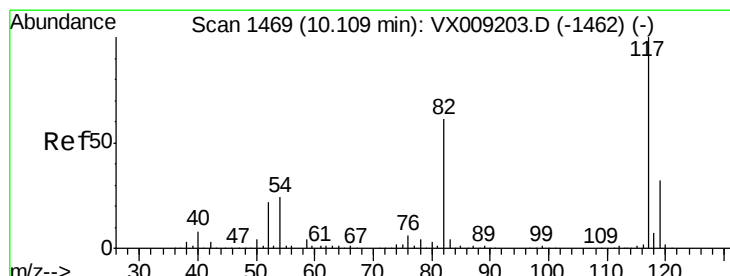
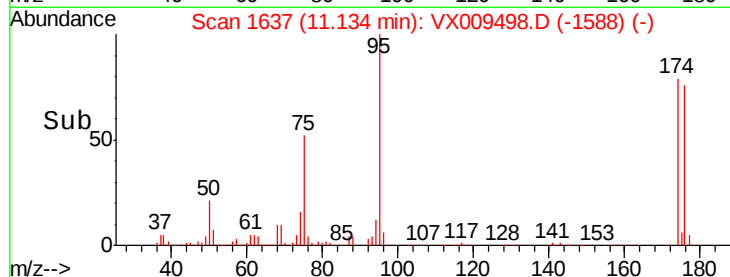
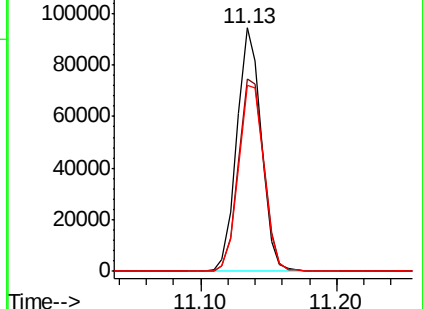
176 80.4 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009498.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009498.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009498.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009498.D

Acq: 10 May 2019 22:00

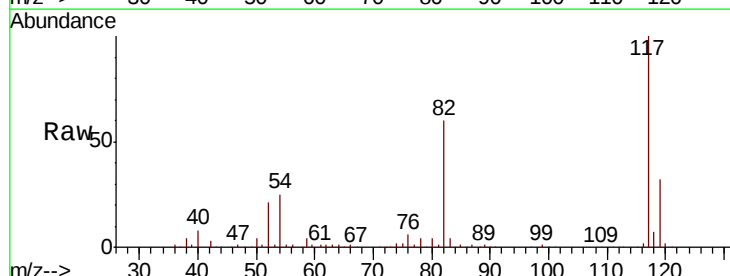
Tgt Ion: 117 Resp: 253118

Ion Ratio Lower Upper

117 100

82 60.1 48.8 73.2

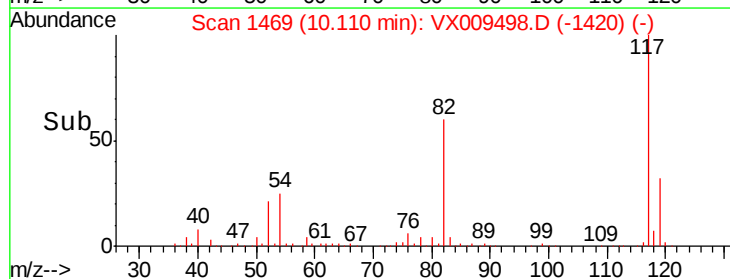
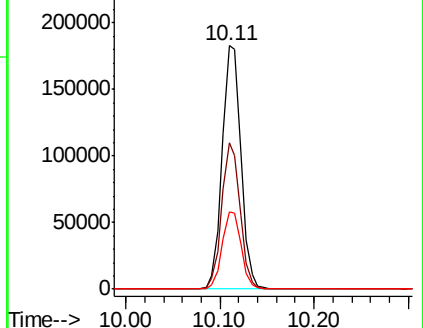
119 31.9 25.8 38.6

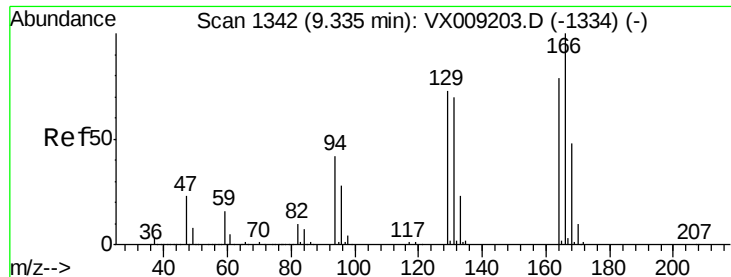


Abundance Ion 116.90 (116.60 to 117.60): VX009498.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009498.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009498.D (-1420) (-)





#64

Tetrachloroethene

Concen: 1.871 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009498.D

Acq: 10 May 2019 22:00

Instrument :

MSVOA_X

ClientSampleId :

SS037MW215-190508

Tot Ion:164 Resp: 3249

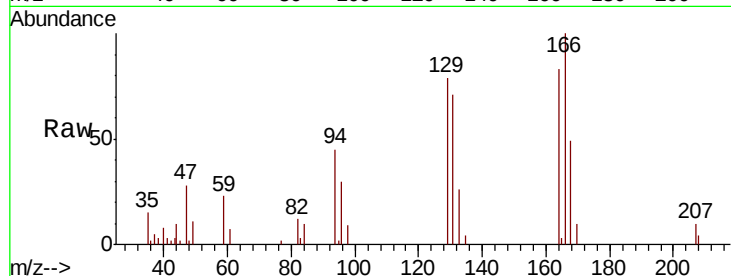
Ion Ratio Lower Upper

164 100

166 120.0 101.2 151.8

129 94.8 74.3 111.5

131 85.4 71.0 106.6



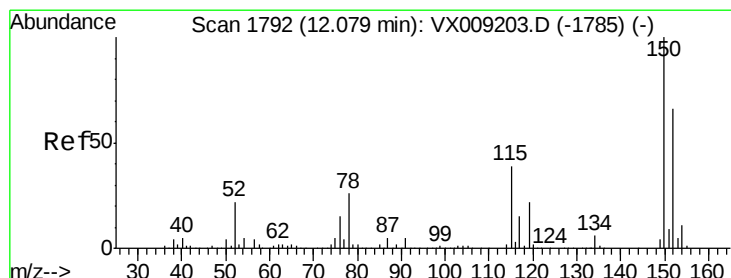
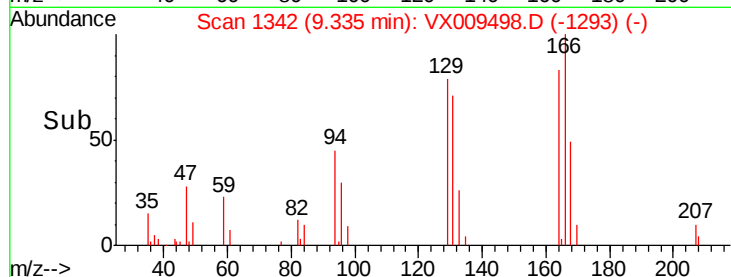
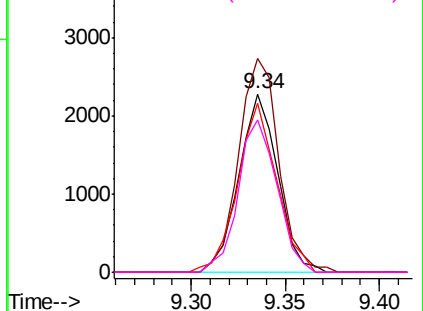
Abundance

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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009498.D

Acq: 10 May 2019 22:00

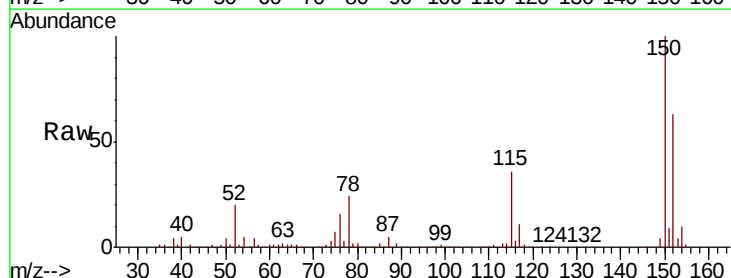
Tgt Ion:152 Resp: 105986

Ion Ratio Lower Upper

152 100

115 57.8 41.2 123.6

150 156.1 0.0 346.4

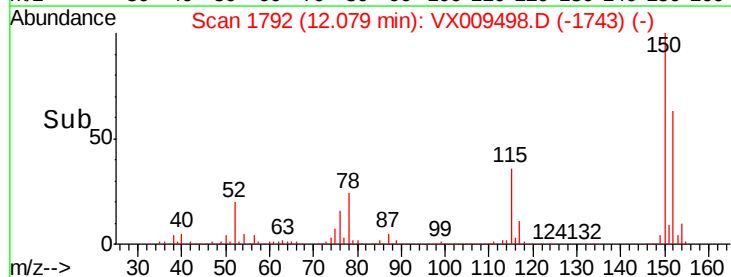
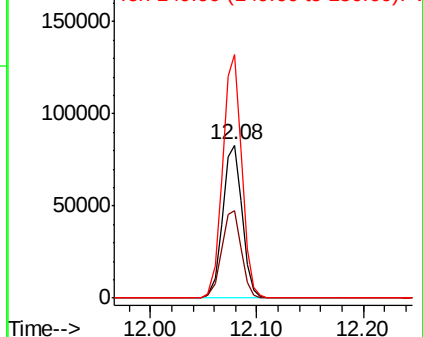


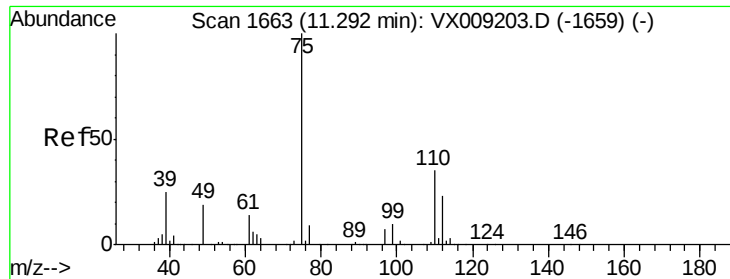
Abundance

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

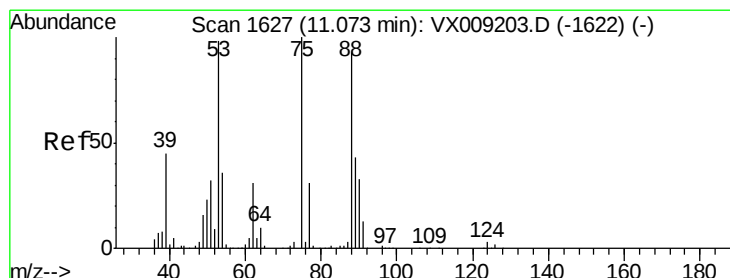
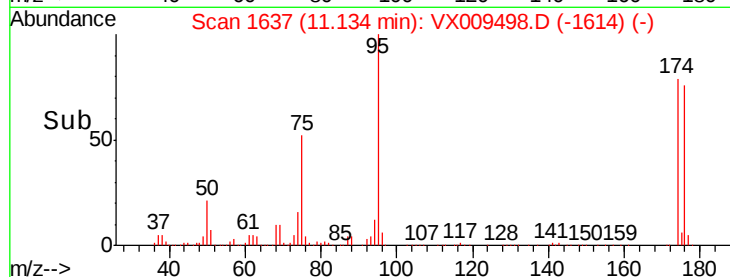
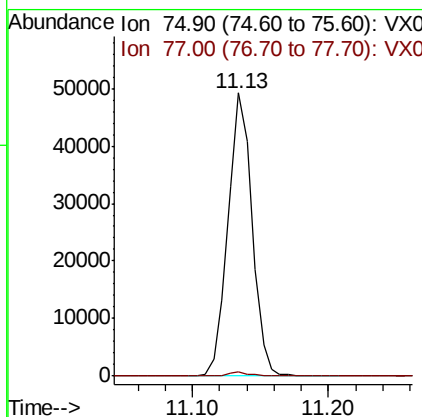
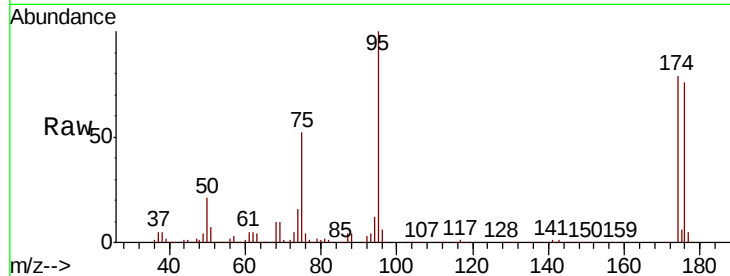




#76
 1,2,3-Trichloropropane
 Concen: 24.741 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009498.D
 Acq: 10 May 2019 22:00

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW215-190508

Tot Ion: 75 Resp: 60826
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.304 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009498.D
 Acq: 10 May 2019 22:00

Tgt Ion: 75 Resp: 60826
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.1 34.7 52.1#

