

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009451.D
 Acq On : 10 May 2019 01:07
 Operator : JC/SP
 Sample : K2782-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:12:00 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

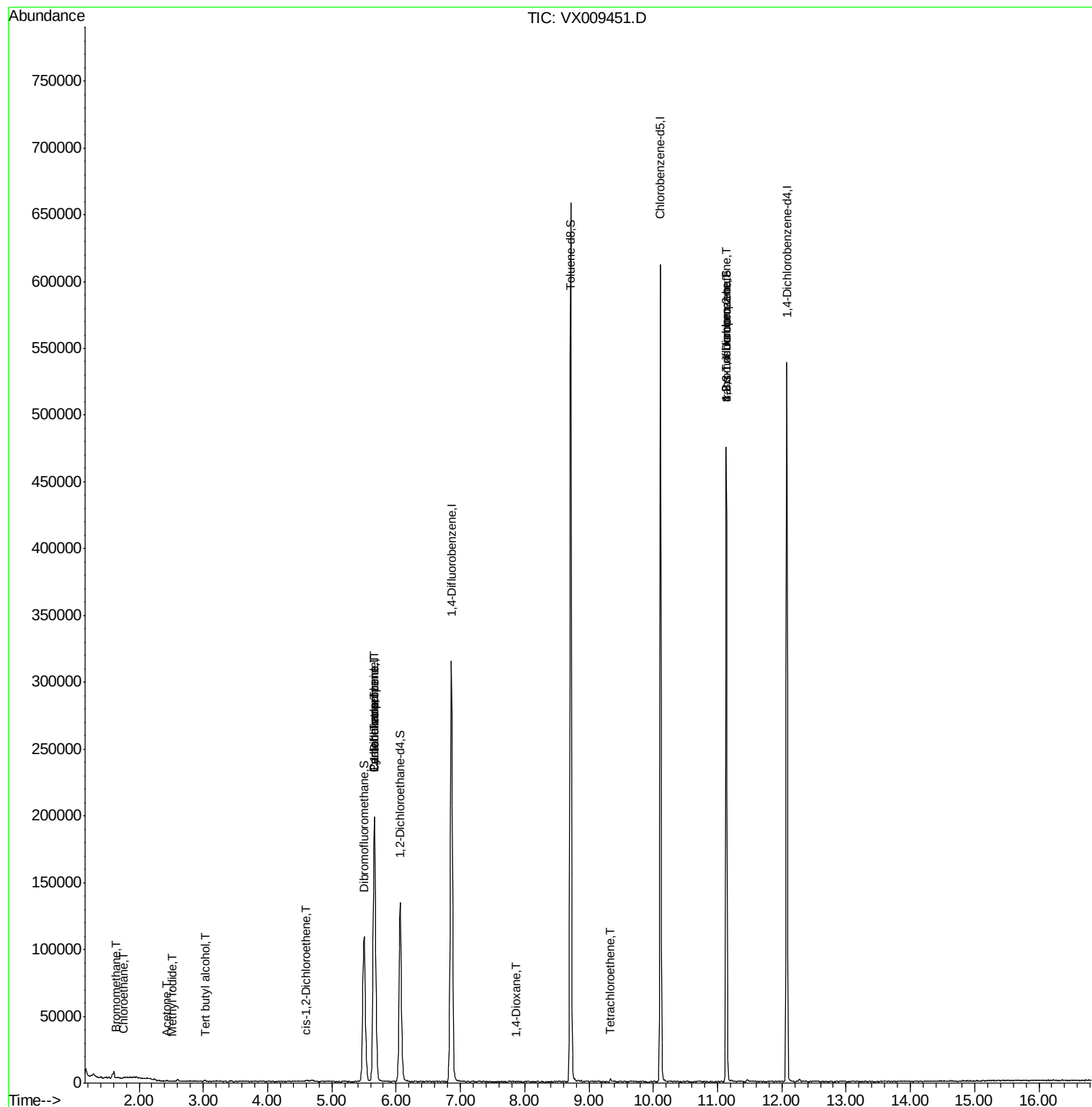
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	190806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310331	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	267703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111335	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	125313	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.22%	
35) Dibromofluoromethane	5.50	113	93411	47.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.76%	
50) Toluene-d8	8.71	98	381301	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.13	95	123683	43.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.44%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	297	0.211	ug/l	82
6) Chloroethane	1.76	64	1931	1.285	ug/l #	64
10) Methyl Iodide	2.53	142	181	4.673	ug/l #	42
11) Tert butyl alcohol	3.02	59	536	0.889	ug/l #	82
16) Acetone	2.43	43	661	0.473	ug/l #	71
27) cis-1,2-Dichloroethene	4.60	96	631	0.272	ug/l	89
28) Bromochloromethane	5.03	49	19	Below Cal	#	20
31) Cyclohexane	5.67	56	4295	1.115	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14583	5.057	ug/l #	50
38) Carbon Tetrachloride	5.67	117	17744	6.772	ug/l #	15
49) 1,4-Dioxane	7.87	88	23	0.356	ug/l #	68
64) Tetrachloroethene	9.33	164	421	0.229	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	62310	24.127	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62310	61.733	ug/l #	10

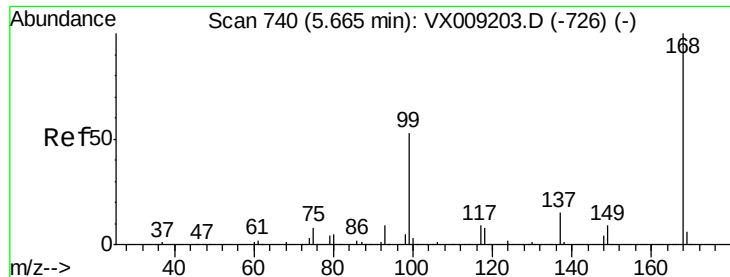
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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QLast Update : Thu May 09 07:31:15 2019
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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: VX009451.D

Acq: 10 May 2019 01:07

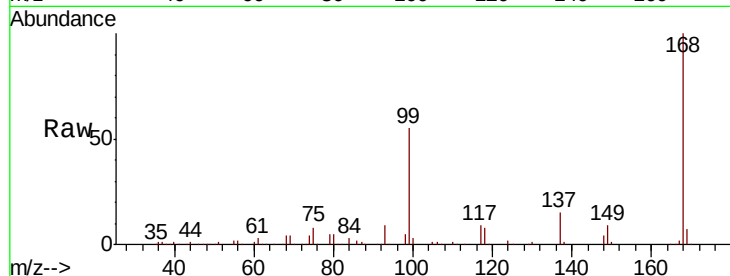
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 190806

Ion Ratio Lower Upper

168 100

99 54.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

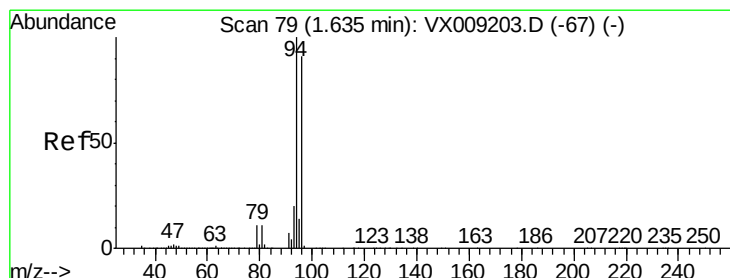
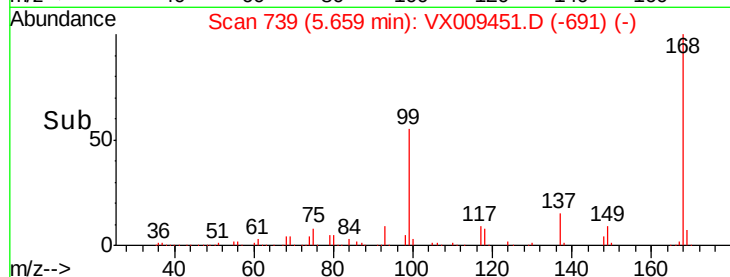
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.211 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009451.D

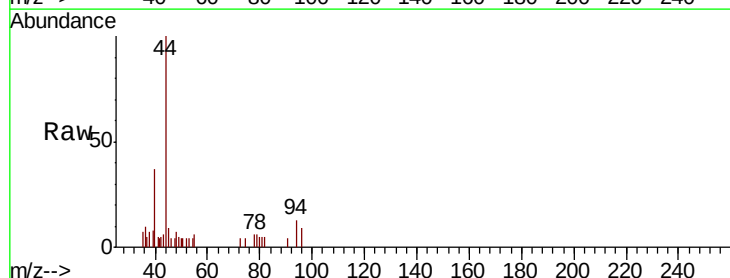
Acq: 10 May 2019 01:07

Tgt Ion: 94 Resp: 297

Ion Ratio Lower Upper

94 100

96 74.6 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

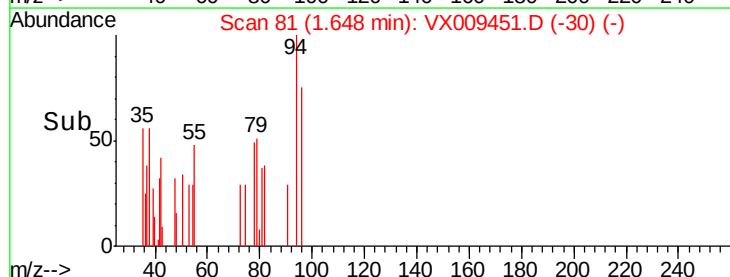
100

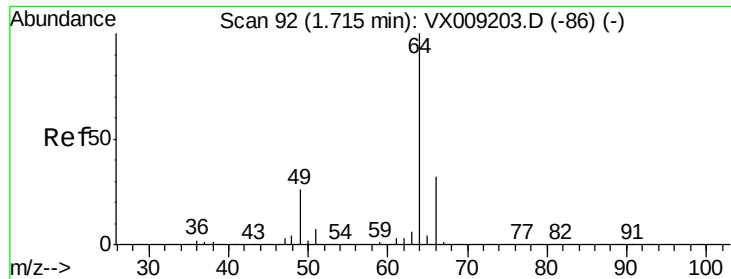
50

0

Time-->

1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 1.285 ug/l

RT: 1.76 min Scan# 100

Delta R.T. 0.05 min

Lab File: VX009451.D

Acq: 10 May 2019 01:07

Instrument :

MSVOA_X

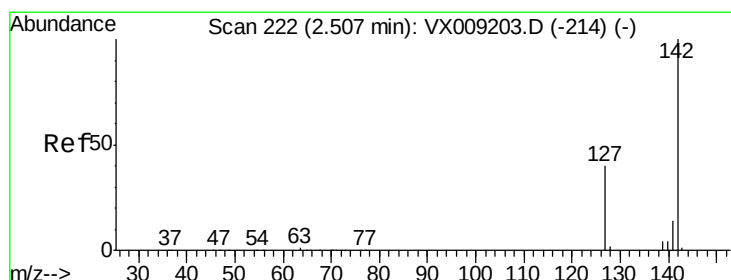
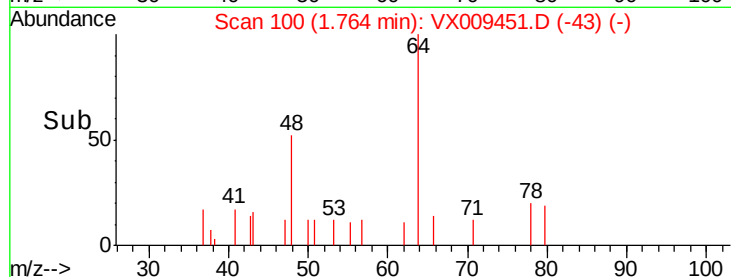
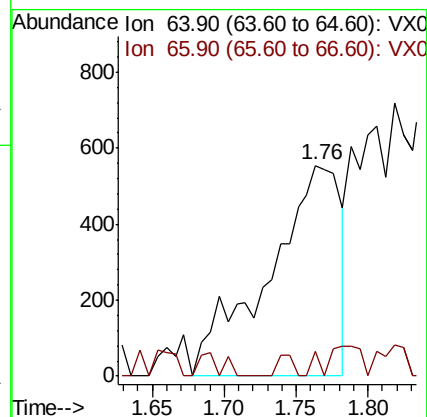
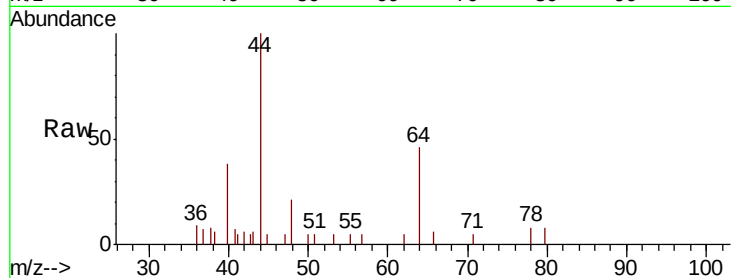
ClientSampled :

Tot Ion: 64 Resp: 1931

Ion Ratio Lower Upper

64 100

66 11.9 25.3 37.9#



#10

Methyl Iodide

Concen: 4.673 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX009451.D

Acq: 10 May 2019 01:07

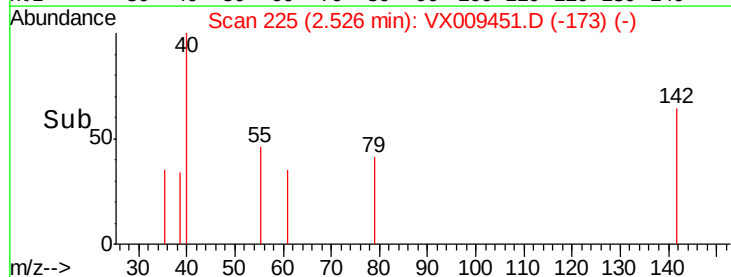
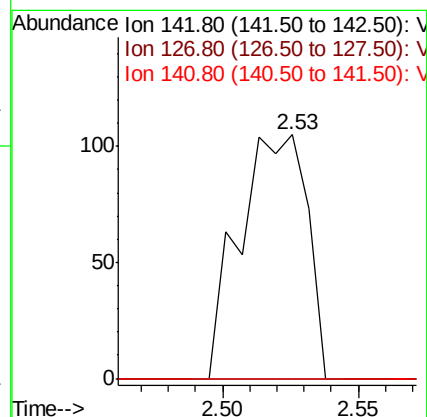
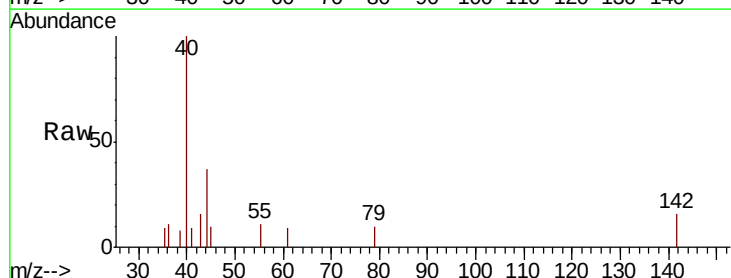
Tgt Ion: 142 Resp: 181

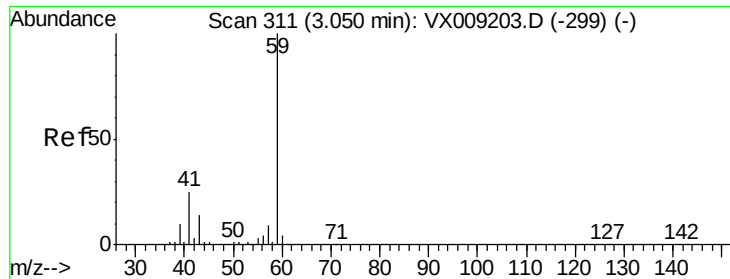
Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#

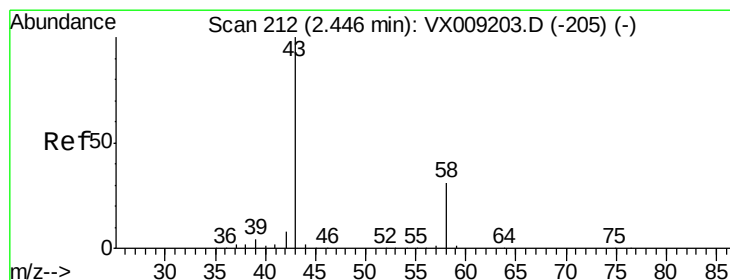
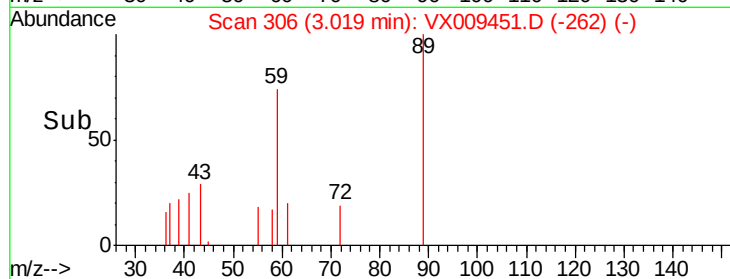
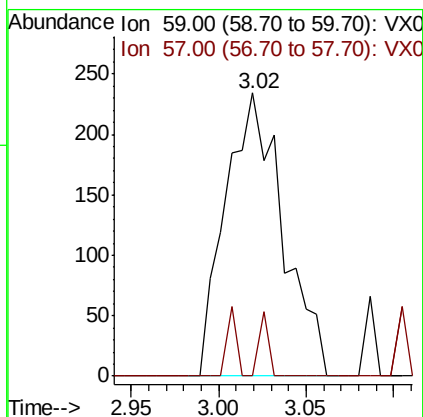
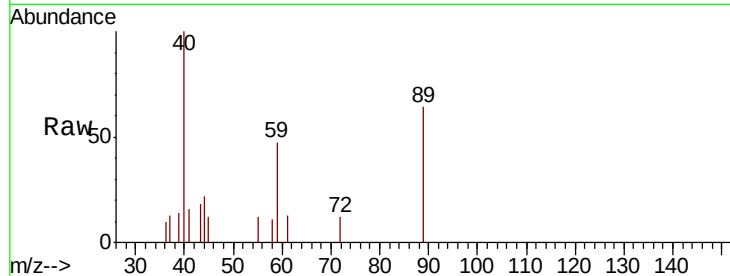




#11
Tert butyl alcohol
Concen: 0.889 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009451.D
Acq: 10 May 2019 01:07

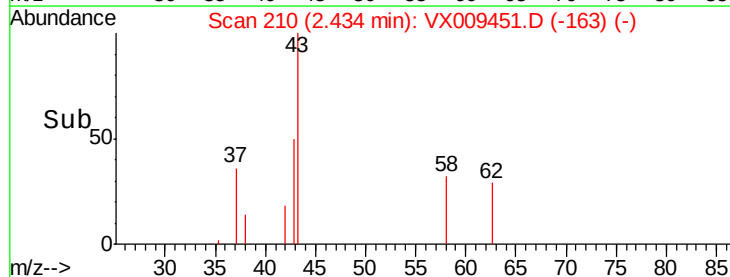
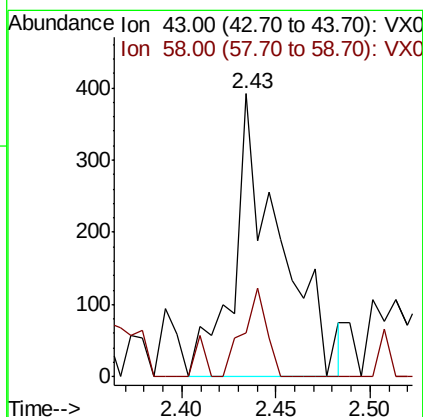
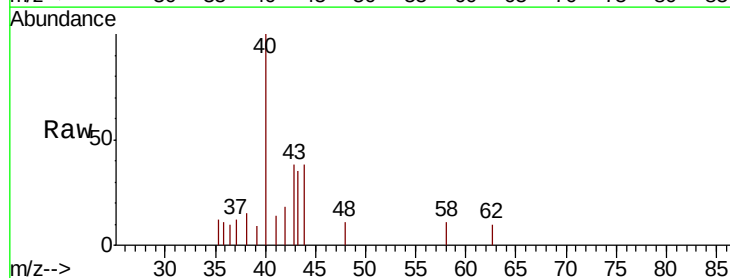
Instrument :
MSVOA_X
ClientSampled :

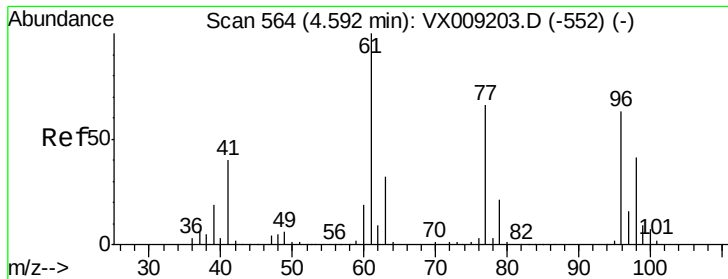
Tot Ion: 59 Resp: 536
Ion Ratio Lower Upper
59 100
57 3.5 8.2 12.2#



#16
Acetone
Concen: 0.473 ug/l
RT: 2.43 min Scan# 210
Delta R.T. -0.01 min
Lab File: VX009451.D
Acq: 10 May 2019 01:07

Tgt Ion: 43 Resp: 661
Ion Ratio Lower Upper
43 100
58 15.3 24.9 37.3#



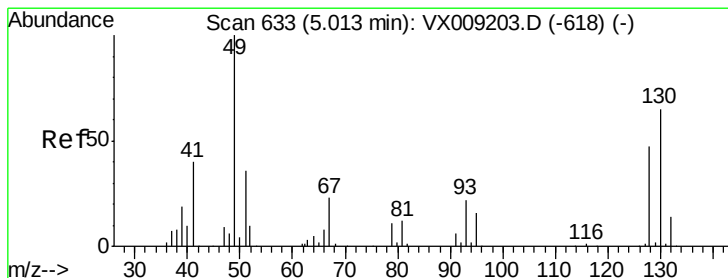
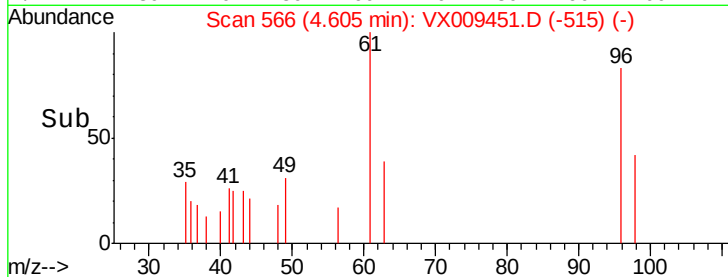
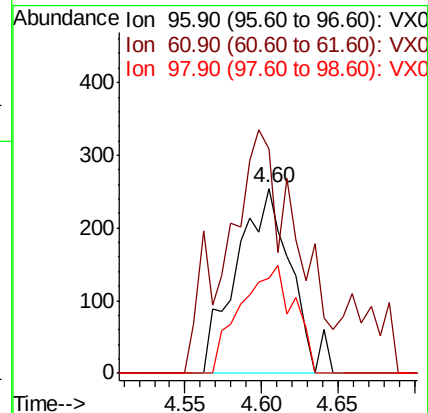
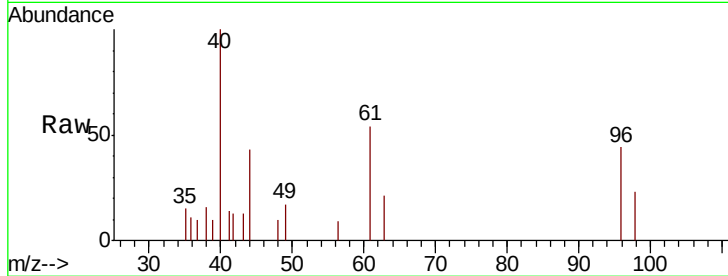


#27

cis-1,2-Dichloroethene
 Concen: 0.272 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX009451.D
 Acq: 10 May 2019 01:07

Instrument :
 MSVOA_X
 ClientSampled :

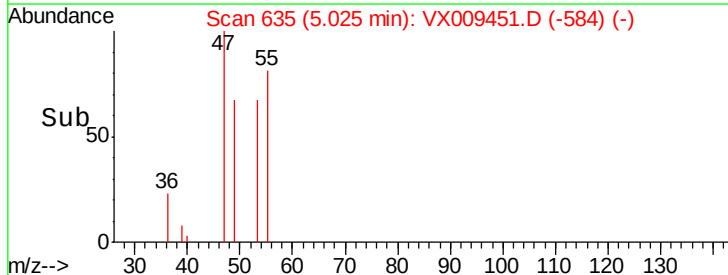
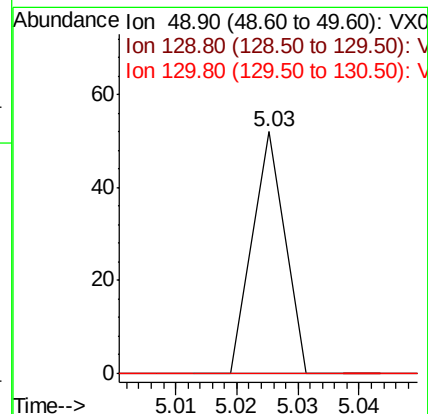
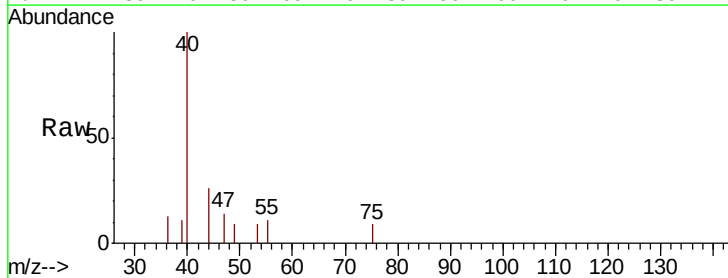
Tot Ion: 96 Resp: 631
 Ion Ratio Lower Upper
 96 100
 61 147.4 0.0 324.0
 98 57.1 0.0 130.4

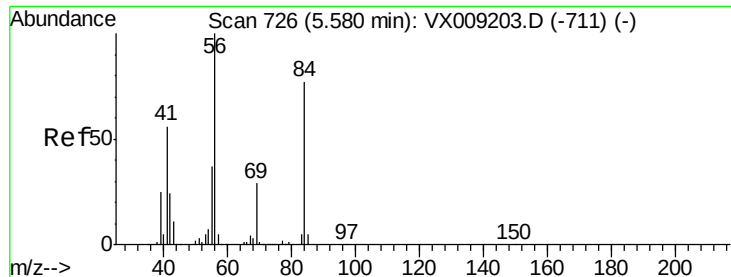


#28

Bromochloromethane
 Concen: Below Cal
 RT: 5.03 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX009451.D
 Acq: 10 May 2019 01:07

Tgt Ion: 49 Resp: 19
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 0.0 51.2 76.8#

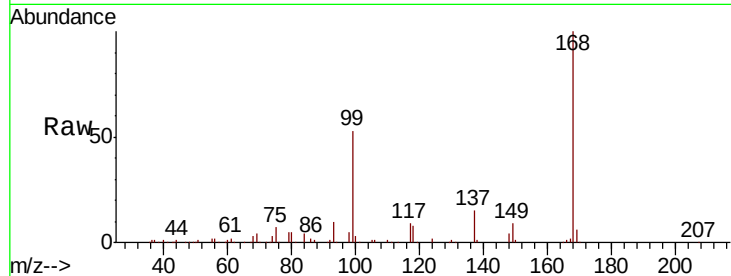




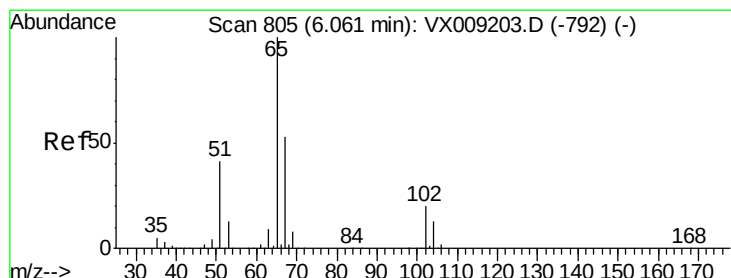
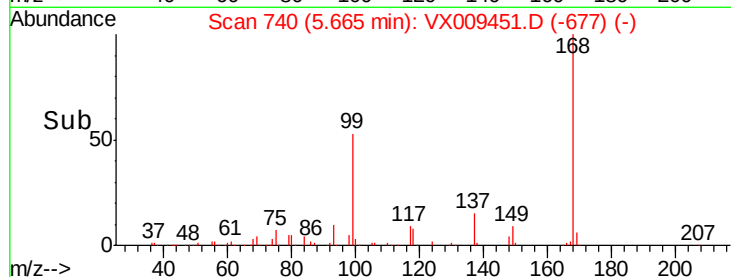
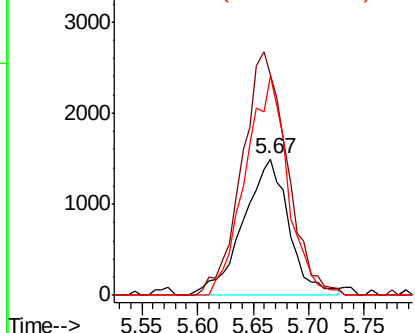
#31
Cyclohexane
Concen: 1.115 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009451.D
Acq: 10 May 2019 01:07

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4295
Ion Ratio Lower Upper
56 100
69 161.4 23.4 35.0#
84 160.1 61.9 92.9#

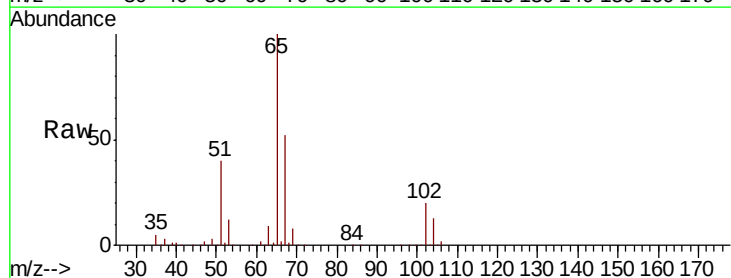


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

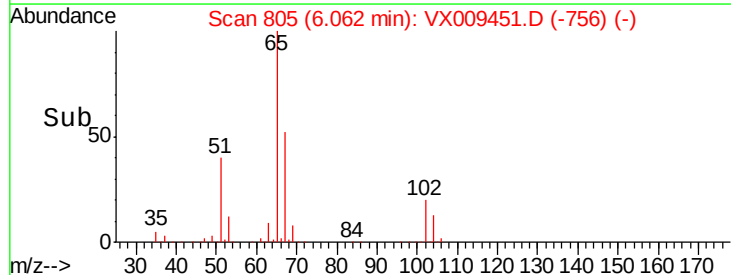
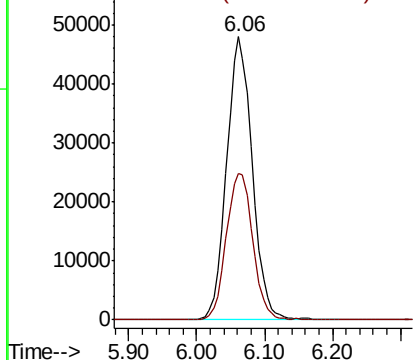


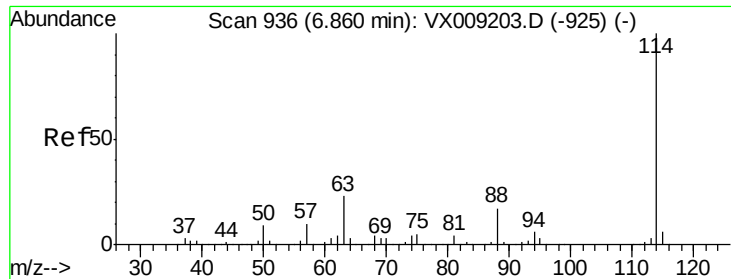
#33
1,2-Dichloroethane-d4
Concen: 48.110 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009451.D
Acq: 10 May 2019 01:07

Tgt Ion: 65 Resp: 125313
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

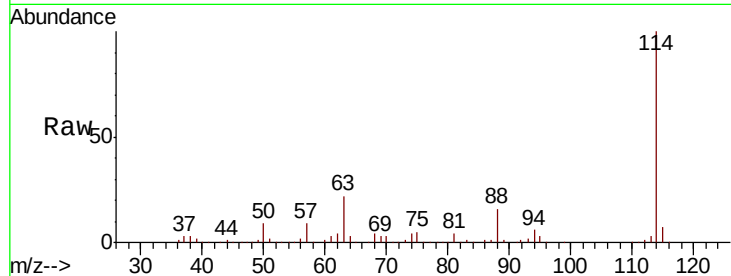




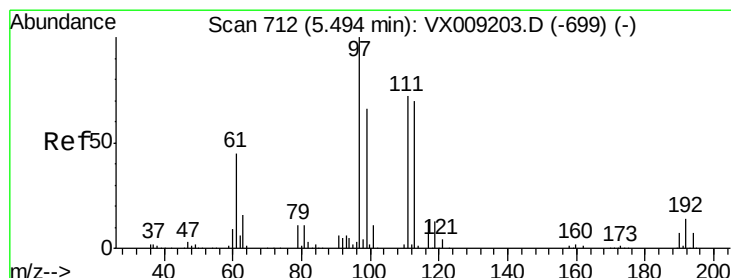
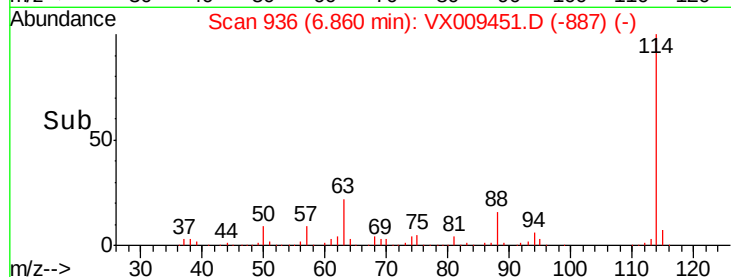
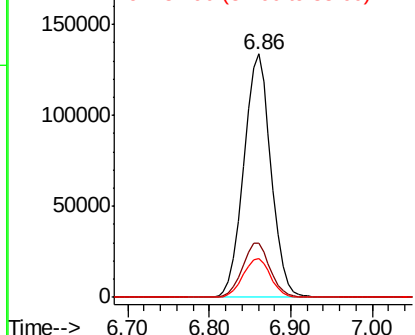
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009451.D
 Acq: 10 May 2019 01:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 310331
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.6
 88 15.9 0.0 33.2

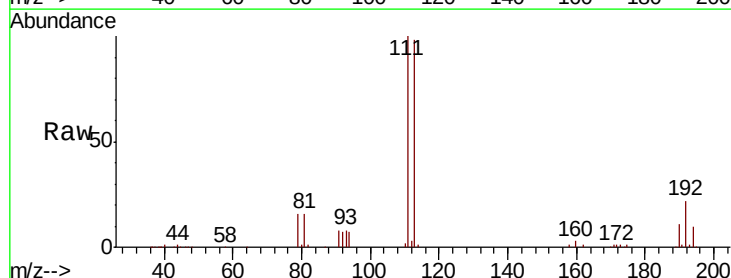


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

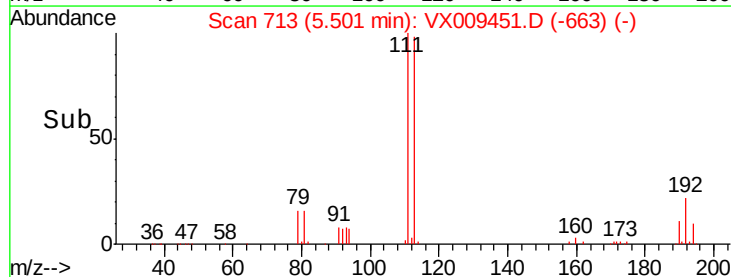
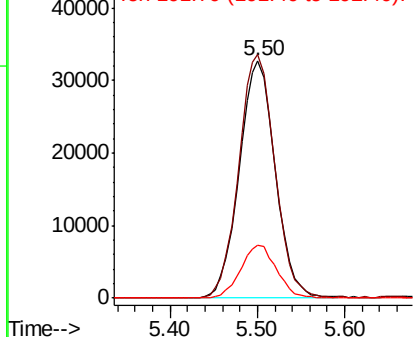


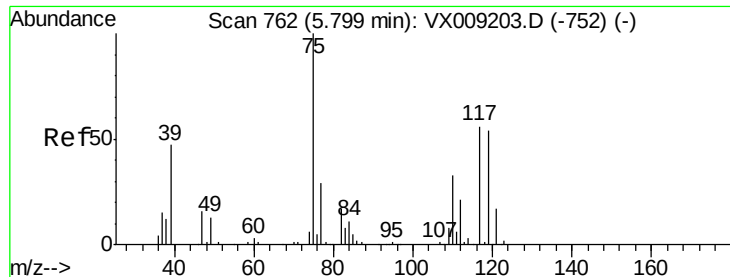
#35
 Dibromofluoromethane
 Concen: 47.882 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009451.D
 Acq: 10 May 2019 01:07

Tgt Ion:113 Resp: 93411
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 22.2 17.0 25.6



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

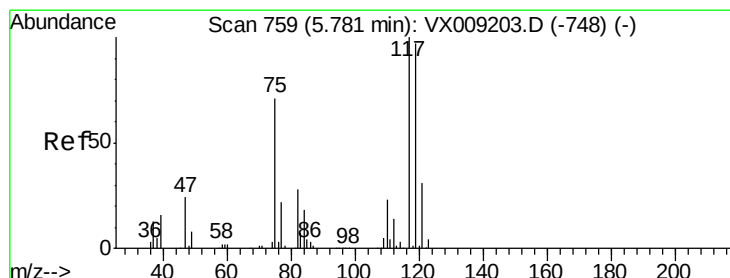
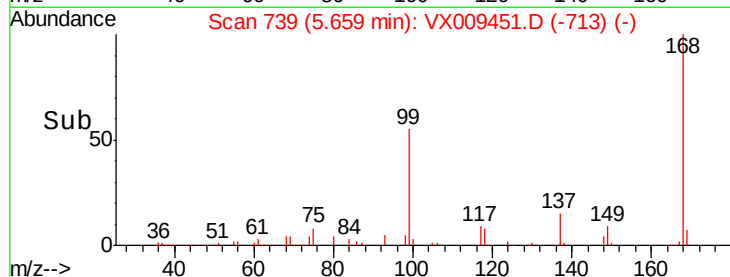
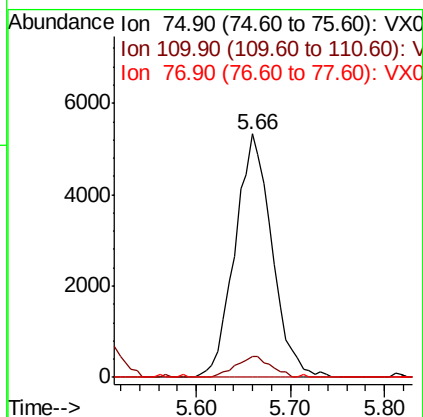
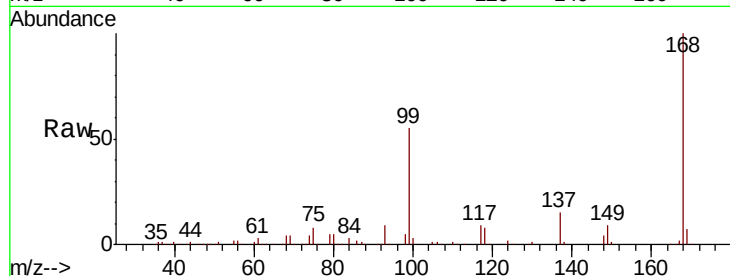




#36
 1,1-Dichloropropene
 Concen: 5.057 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009451.D
 Acq: 10 May 2019 01:07

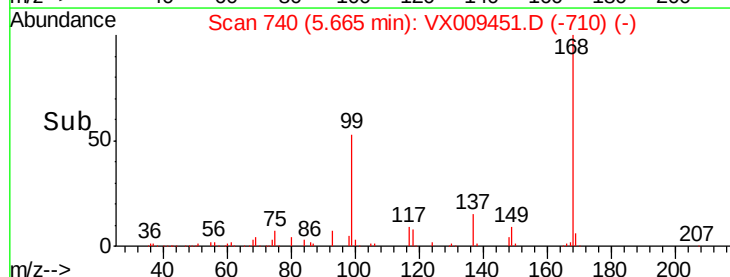
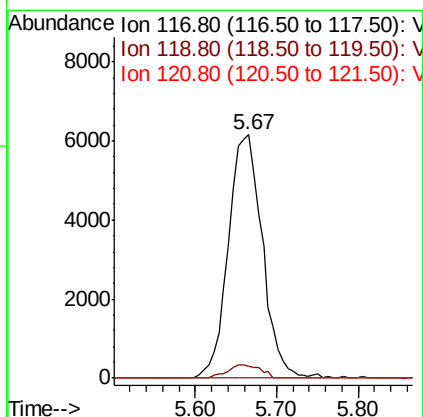
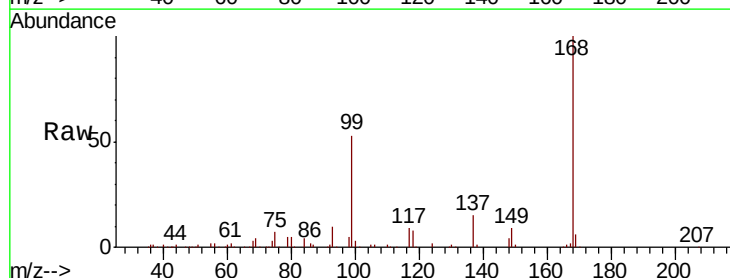
Instrument :
 MSVOA_X
 ClientSampleId :

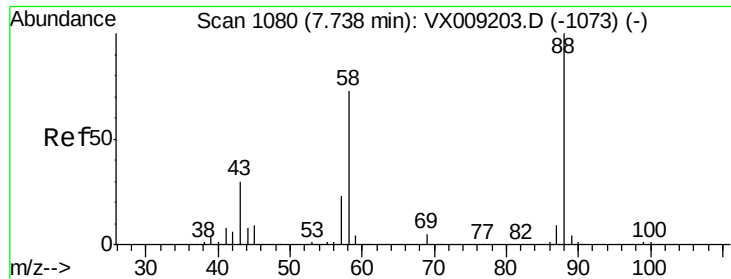
Tot Ion: 75 Resp: 14583
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.772 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009451.D
 Acq: 10 May 2019 01:07

Tgt Ion: 117 Resp: 17744
 Ion Ratio Lower Upper
 117 100
 119 4.8 77.5 116.3#
 121 0.0 24.7 37.1#

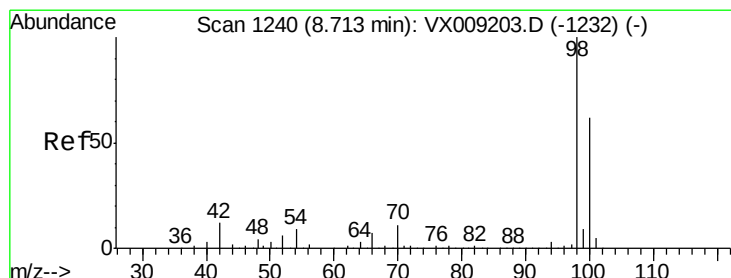
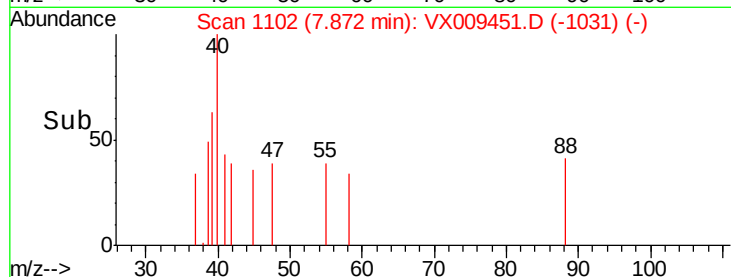
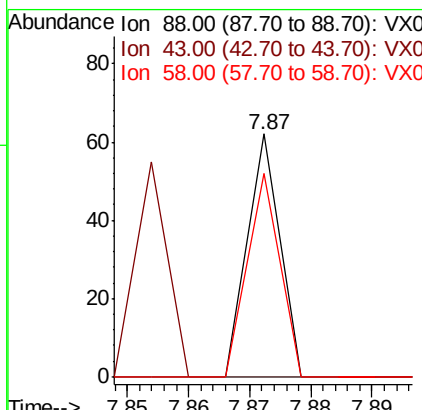
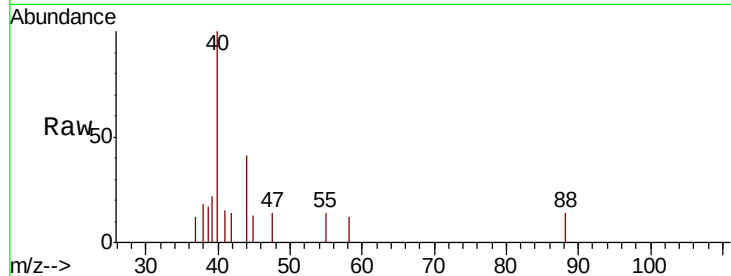




#49
 1,4-Dioxane
 Concen: 0.356 ug/l
 RT: 7.87 min Scan# 1102
 Delta R.T. 0.13 min
 Lab File: VX009451.D
 Acq: 10 May 2019 01:07

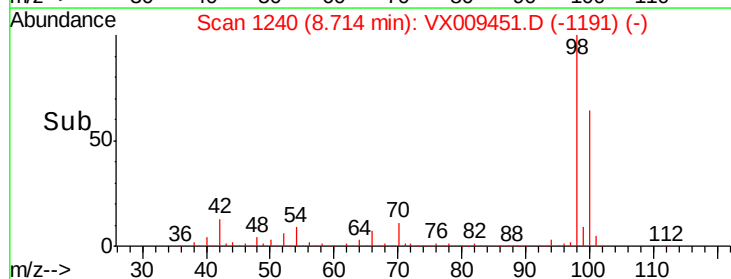
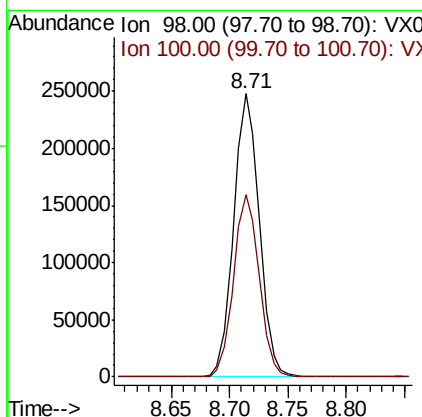
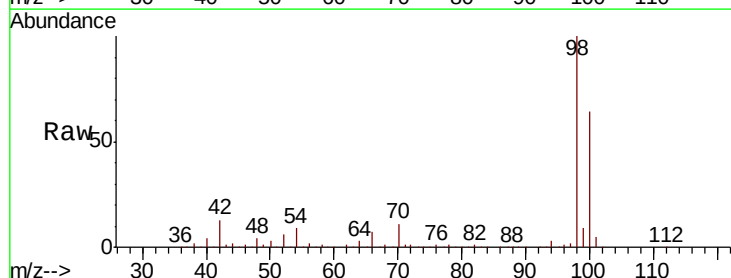
Instrument :
 MSVOA_X
 ClientSampleId :

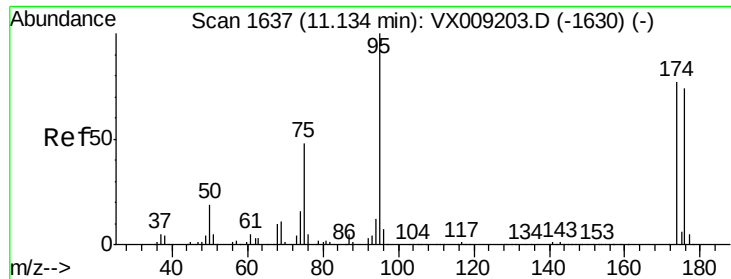
Tot Ion	Ratio	Lower	Upper
88	100		
43	87.0	28.6	42.8#
58	82.6	61.7	92.5



#50
 Toluene-d8
 Concen: 48.412 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009451.D
 Acq: 10 May 2019 01:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#62

4-Bromofluorobenzene

Concen: 43.217 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009451.D

Acq: 10 May 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

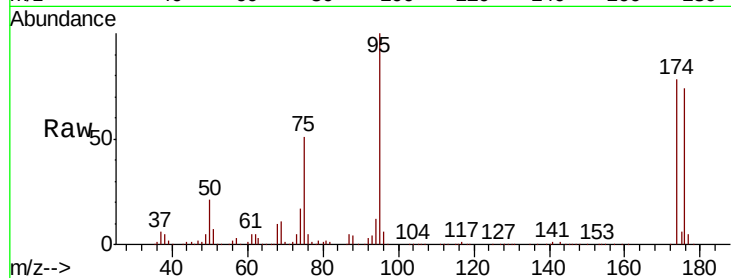
Tot Ion: 95 Resp: 123683

Ion Ratio Lower Upper

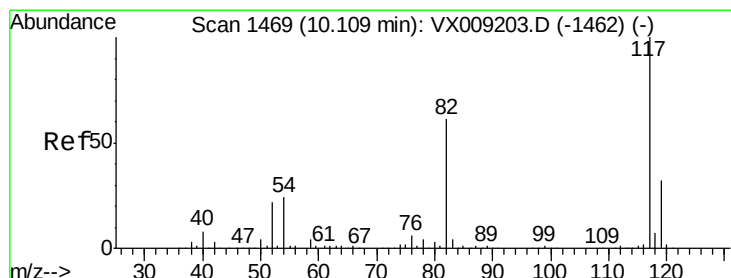
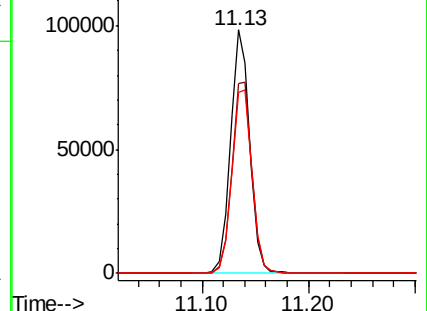
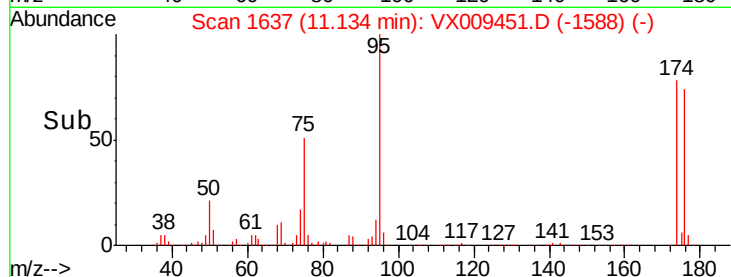
95 100

174 82.1 0.0 161.6

176 79.6 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009451.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009451.D

Acq: 10 May 2019 01:07

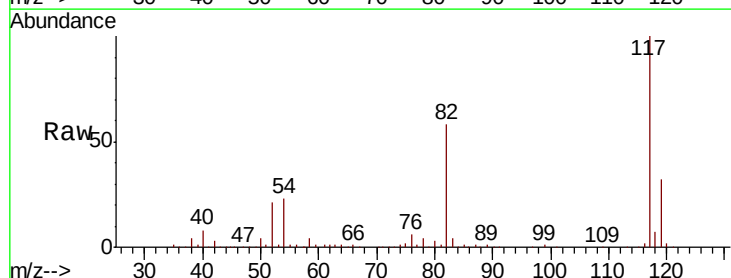
Tgt Ion: 117 Resp: 267703

Ion Ratio Lower Upper

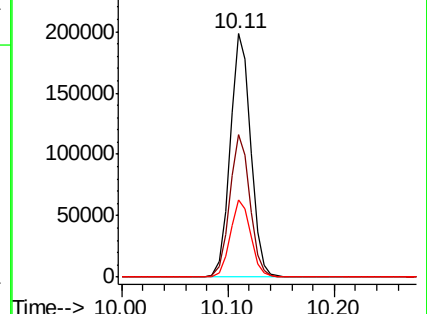
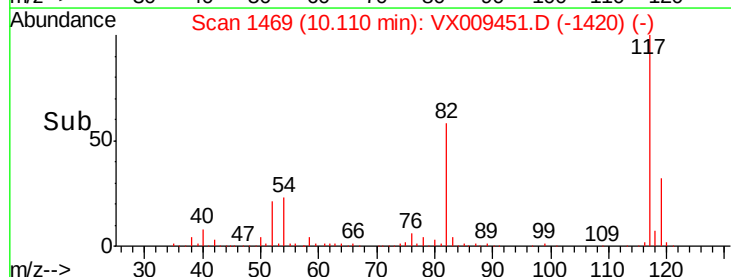
117 100

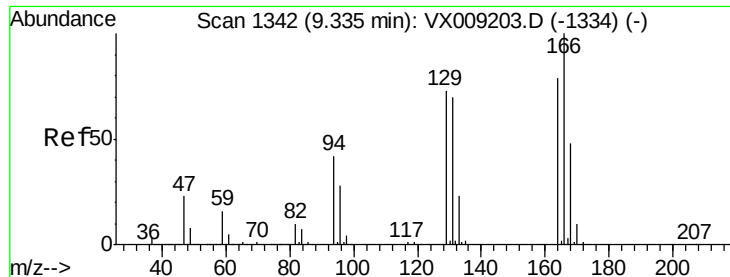
82 58.4 48.8 73.2

119 31.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009451.D (-1420) (-)





#64

Tetrachloroethene

Concen: 0.229 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.01 min

Lab File: VX009451.D

Acq: 10 May 2019 01:07

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:164 Resp: 421

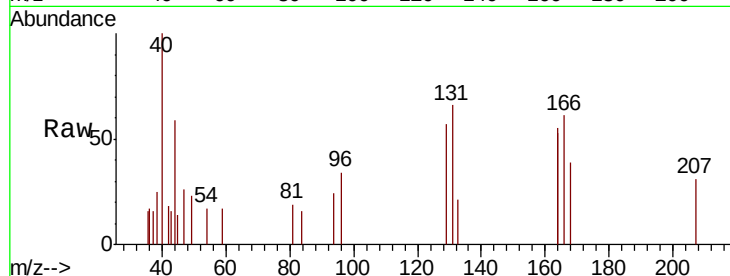
Ion Ratio Lower Upper

164 100

166 56.6 101.2 151.8#

129 52.5 74.3 111.5#

131 61.0 71.0 106.6#



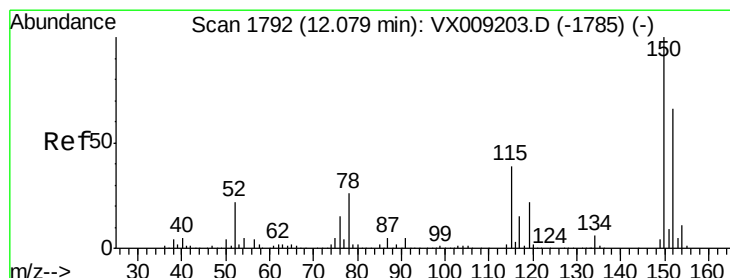
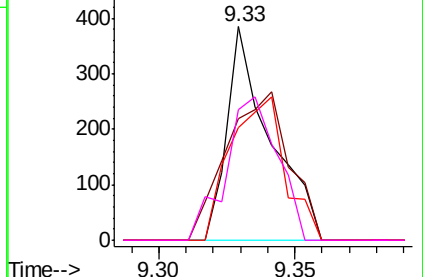
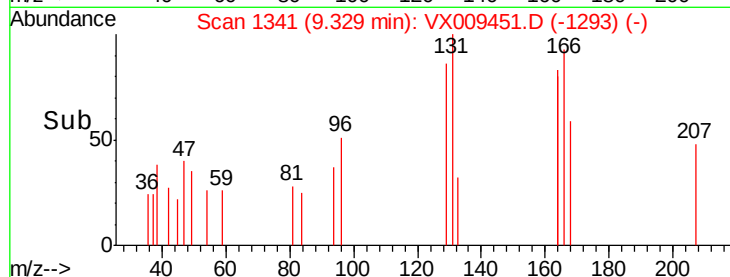
Abundance Ion 163.80 (163.50 to 164.50): V

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

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009451.D

Acq: 10 May 2019 01:07

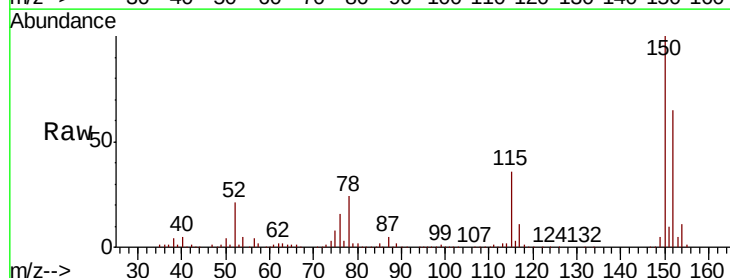
Tgt Ion:152 Resp: 111335

Ion Ratio Lower Upper

152 100

115 57.4 41.2 123.6

150 156.5 0.0 346.4

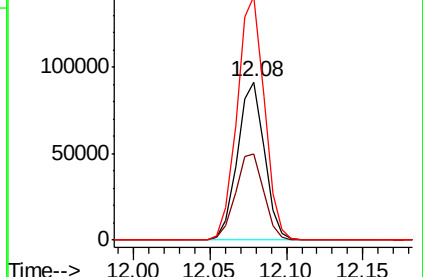
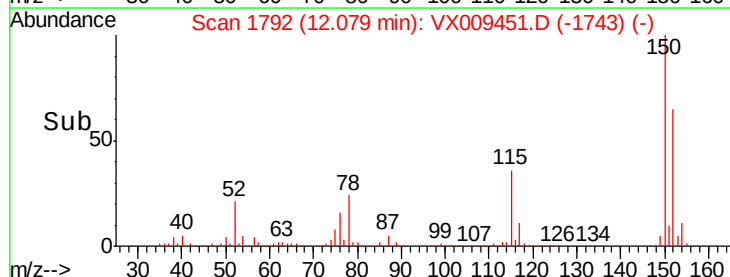


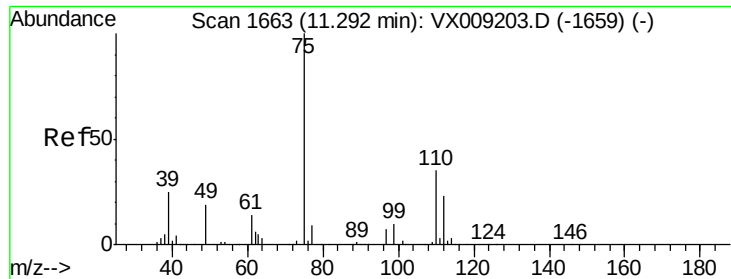
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->

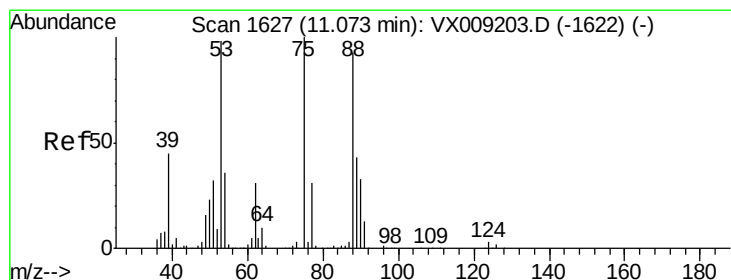
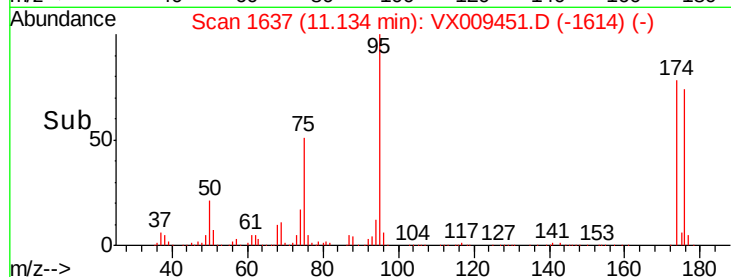
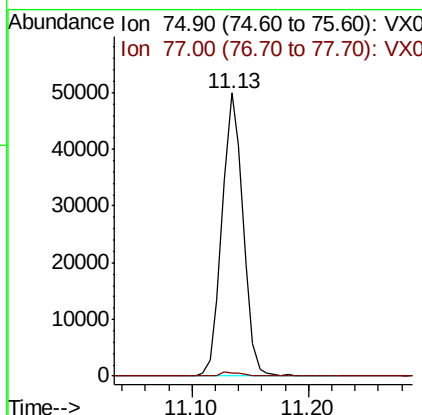
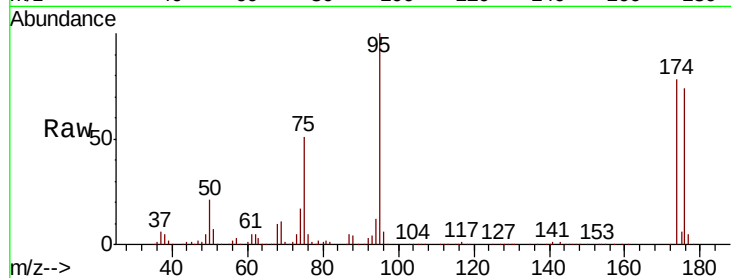




#76
 1,2,3-Trichloropropane
 Concen: 24.127 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009451.D
 Acq: 10 May 2019 01:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 62310
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.733 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009451.D
 Acq: 10 May 2019 01:07

Tgt Ion: 75 Resp: 62310
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.0 118.6#
 89 0.0 34.7 52.1#

