

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008221.D
 Acq On : 20 Mar 2019 04:52
 Operator : JC/SP
 Sample : K1900-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 08:39:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	332994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	544584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	456898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184291	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	234221	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
35) Dibromofluoromethane	5.50	113	171313	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
50) Toluene-d8	8.71	98	669389	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.13	95	212329	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	

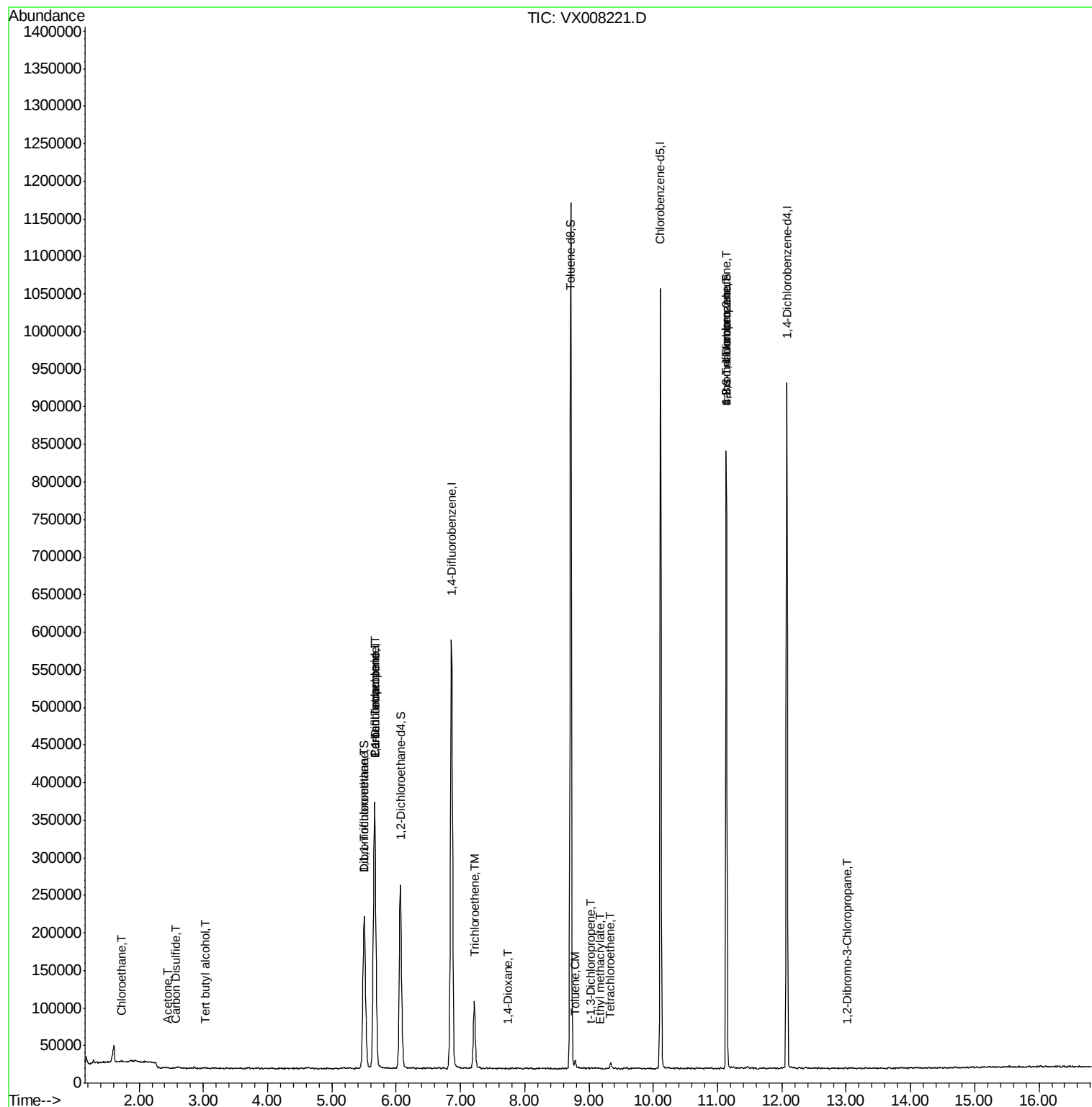
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	711	0.225	ug/l #	43
11) Tert butyl alcohol	3.04	59	566	0.527	ug/l #	5
13) Acrolein	2.30	56	357	Below Cal	#	39
16) Acetone	2.45	43	1339	0.471	ug/l #	56
17) Carbon Disulfide	2.57	76	988	0.749	ug/l #	75
32) 1,1,1-Trichloroethane	5.50	97	3844	0.558	ug/l #	50
36) 1,1-Dichloropropene	5.67	75	27567	4.348	ug/l #	49
38) Carbon Tetrachloride	5.67	117	32929	5.829	ug/l #	16
44) Trichloroethene	7.21	130	34186	7.450	ug/l	96
49) 1,4-Dioxane	7.74	88	75	0.665	ug/l #	1
52) Toluene	8.79	92	3533	0.317	ug/l	90
53) t-1,3-Dichloropropene	9.03	75	151	1.442	ug/l #	43
56) Ethyl methacrylate	9.18	69	161	0.546	ug/l #	49
64) Tetrachloroethene	9.34	164	1467	0.356	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	110574	21.332	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	110574	54.256	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.01	75	282	0.216	ug/l #	1

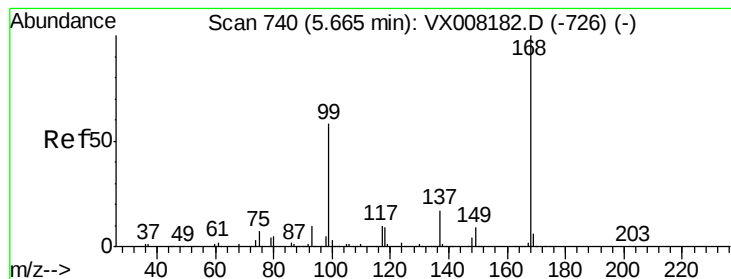
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031919\
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QLast Update : Wed Mar 20 06:51:58 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

Instrument :

MSVOA_X

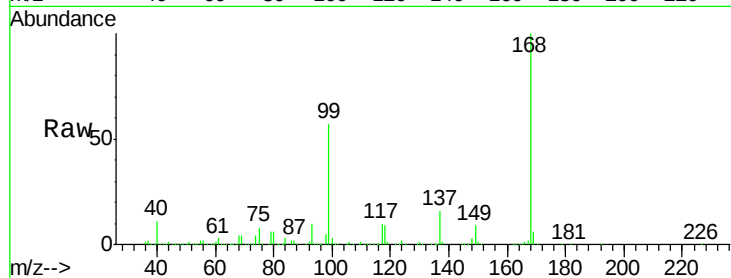
ClientSampleId :

Tot Ion:168 Resp: 332994

Ion Ratio Lower Upper

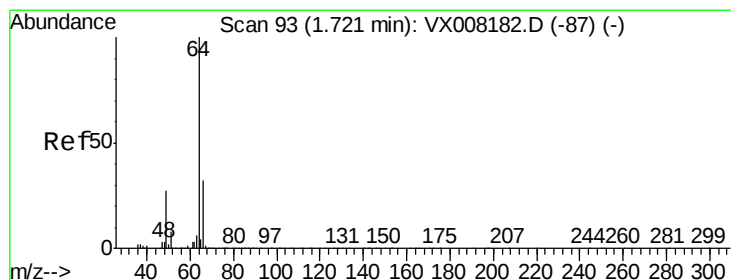
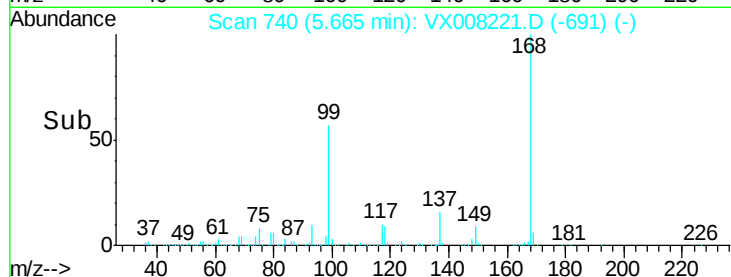
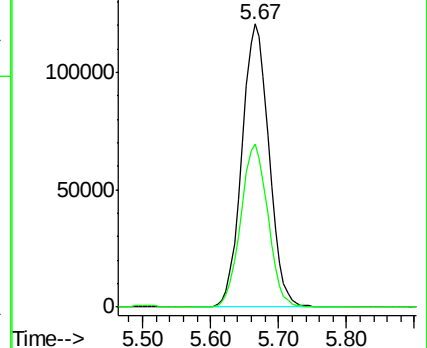
168 100

99 57.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.225 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX008221.D

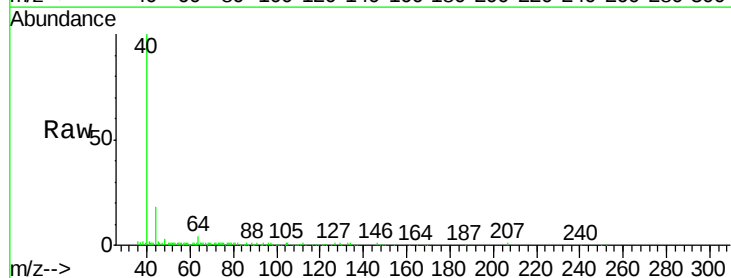
Acq: 20 Mar 2019 04:52

Tgt Ion: 64 Resp: 711

Ion Ratio Lower Upper

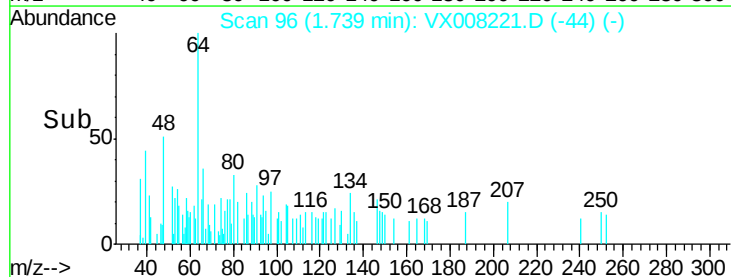
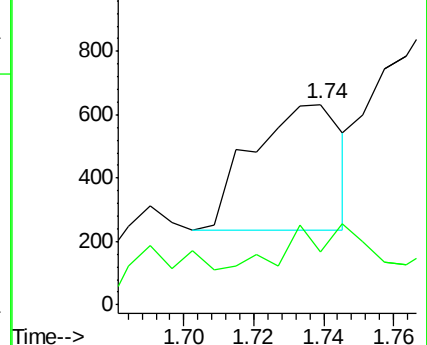
64 100

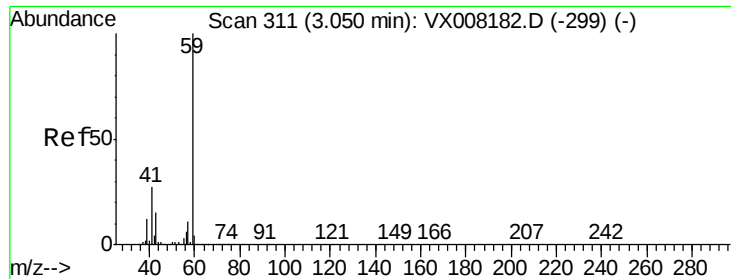
66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



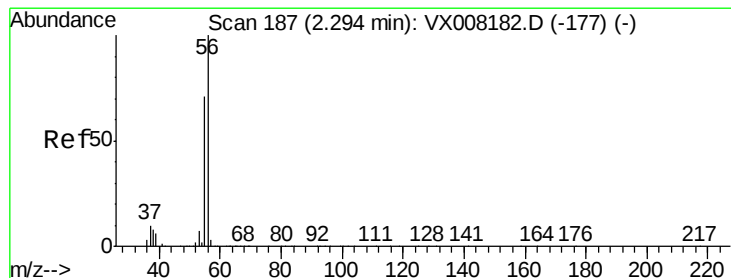
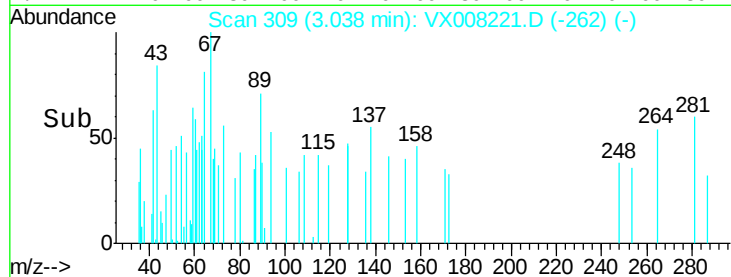
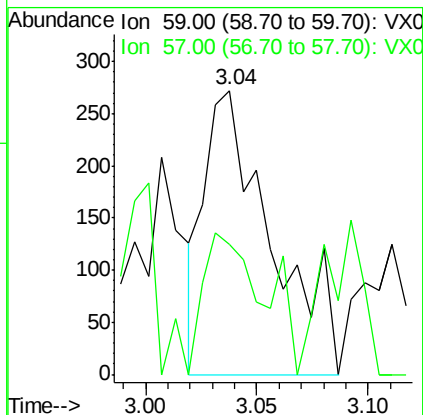
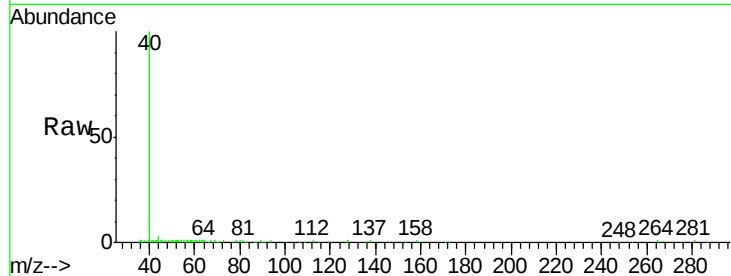


#11

Tert butyl alcohol
 Concen: 0.527 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX008221.D
 Acq: 20 Mar 2019 04:52

Instrument :
 MSVOA_X
 ClientSampleId :

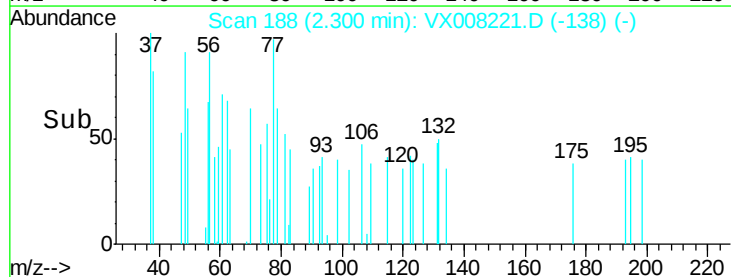
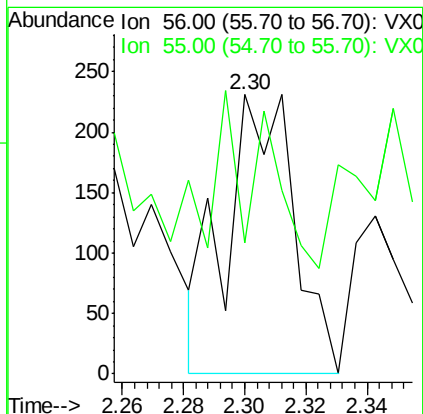
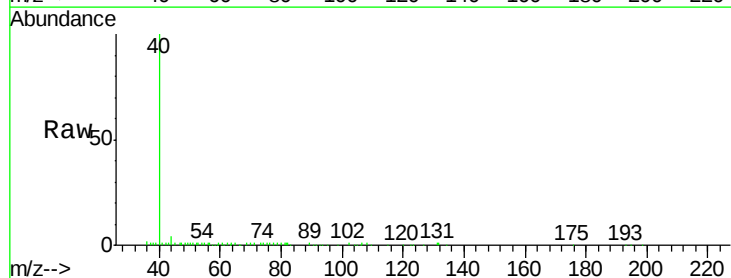
Tot Ion: 59 Resp: 566
 Ion Ratio Lower Upper
 59 100
 57 45.6 8.2 12.2#

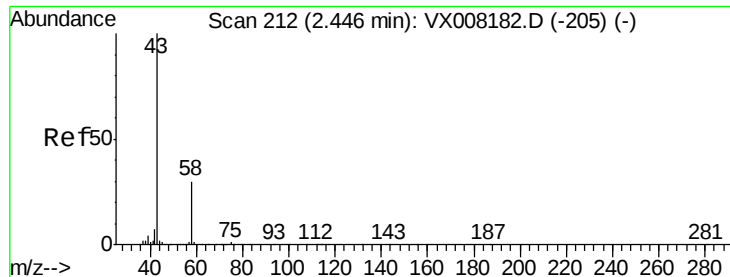


#13

Acrolein
 Concen: Below Cal
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX008221.D
 Acq: 20 Mar 2019 04:52

Tgt Ion: 56 Resp: 357
 Ion Ratio Lower Upper
 56 100
 55 21.0 57.8 86.6#





#16

Acetone

Concen: 0.471 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

Instrument :

MSVOA_X

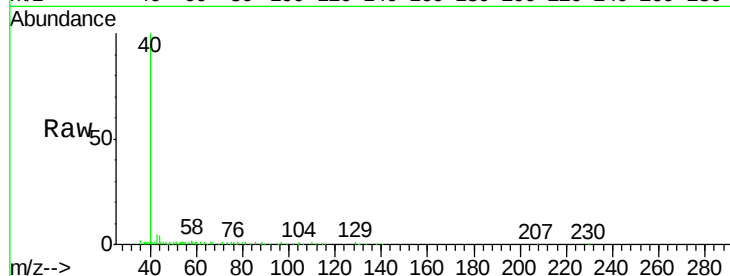
ClientSampled :

Tot Ion: 43 Resp: 1339

Ion Ratio Lower Upper

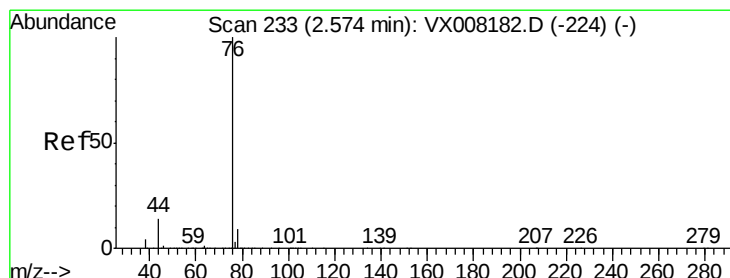
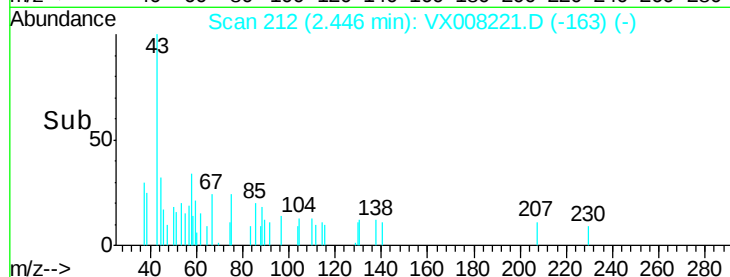
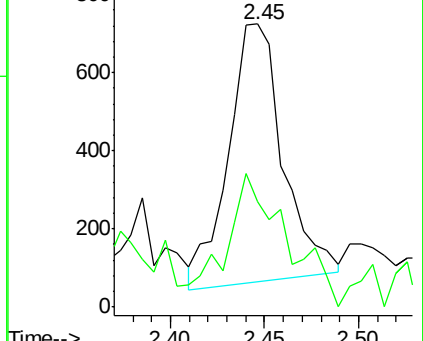
43 100

58 56.2 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.749 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008221.D

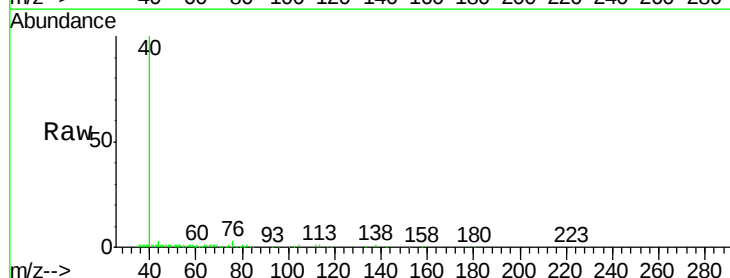
Acq: 20 Mar 2019 04:52

Tgt Ion: 76 Resp: 988

Ion Ratio Lower Upper

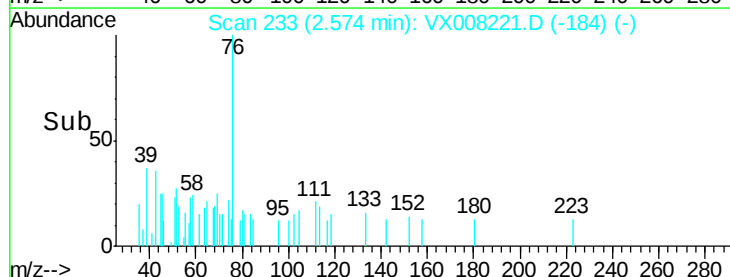
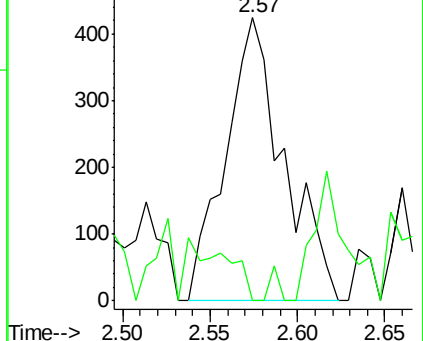
76 100

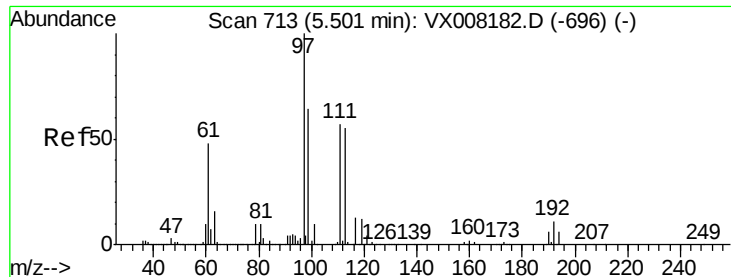
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#32

1,1,1-Trichloroethane

Concen: 0.558 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

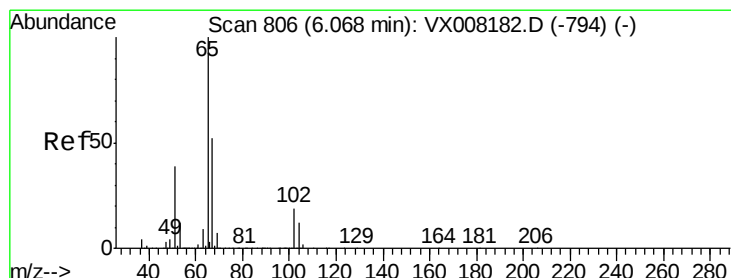
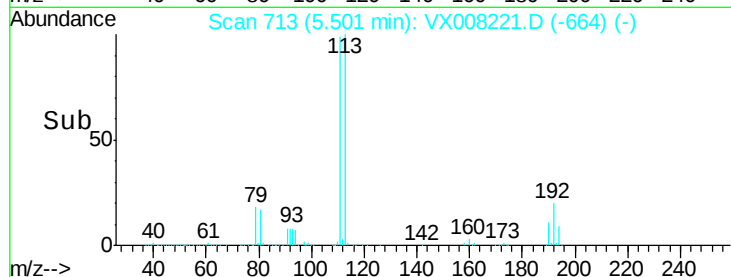
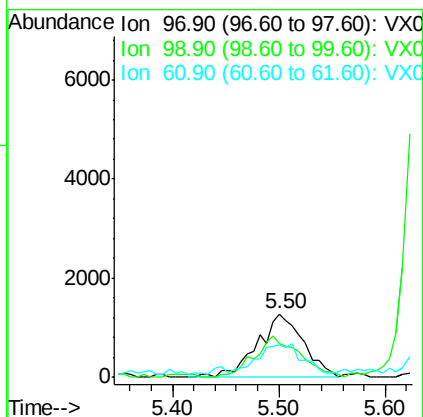
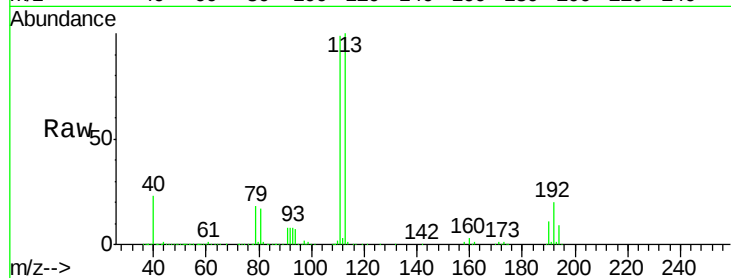
Tot Ion: 97 Resp: 3844

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

61 42.4 34.9 52.3



#33

1,2-Dichloroethane-d4

Concen: 46.702 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008221.D

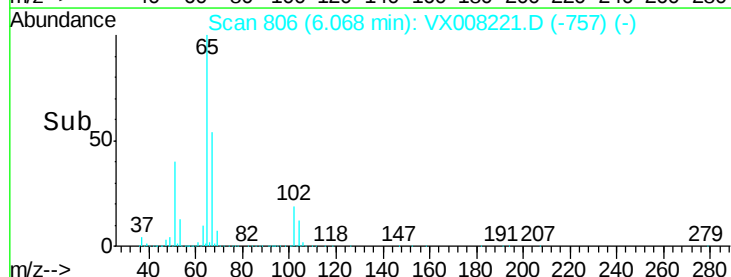
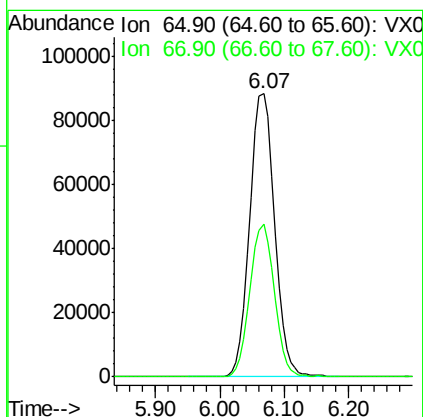
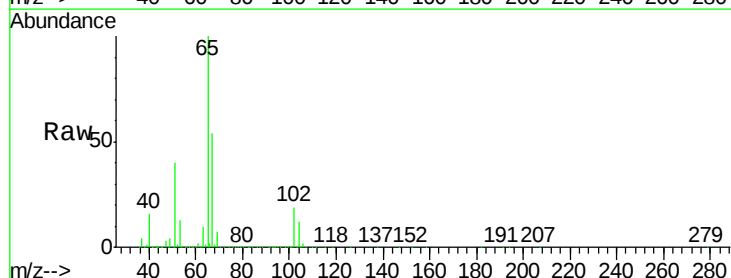
Acq: 20 Mar 2019 04:52

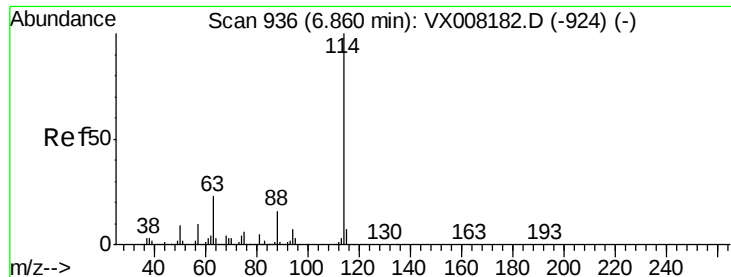
Tgt Ion: 65 Resp: 234221

Ion Ratio Lower Upper

65 100

67 53.0 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

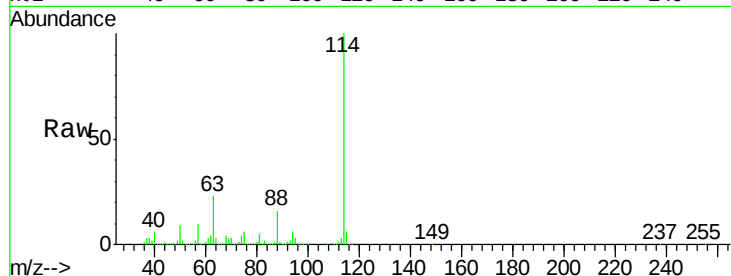
Tot Ion:114 Resp: 544584

Ion Ratio Lower Upper

114 100

63 22.9 0.0 39.8

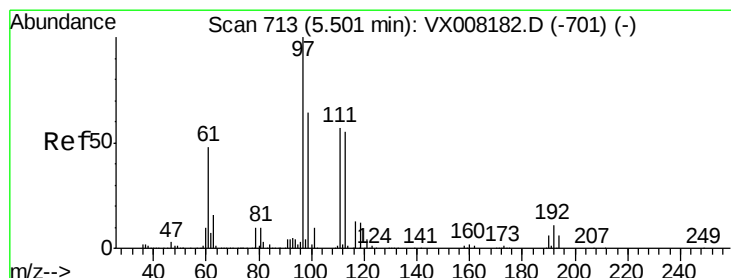
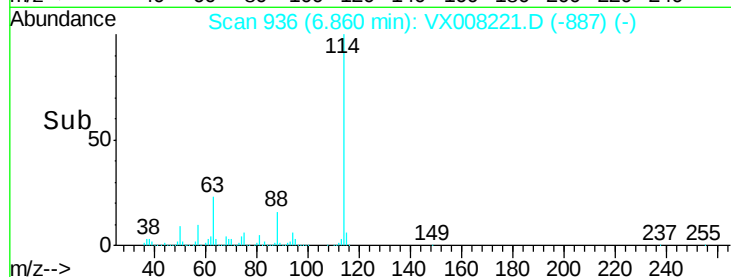
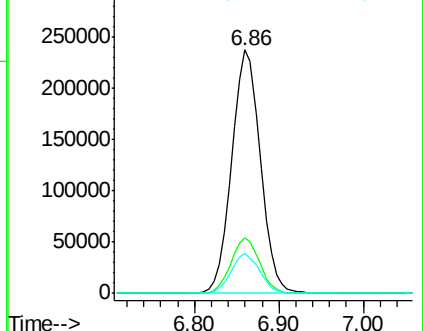
88 16.3 0.0 31.4



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: 46.991 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

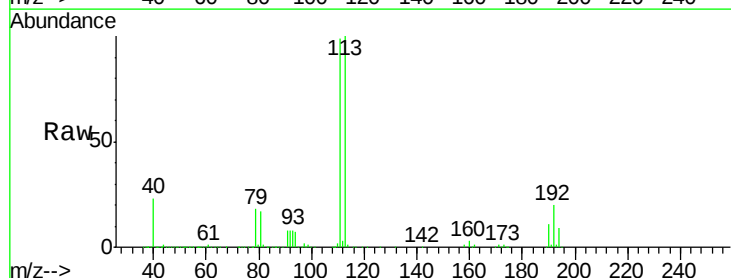
Tgt Ion:113 Resp: 171313

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

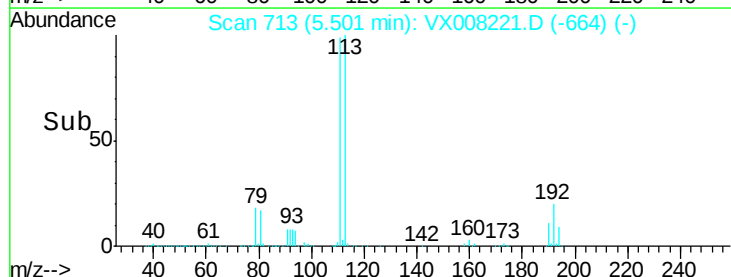
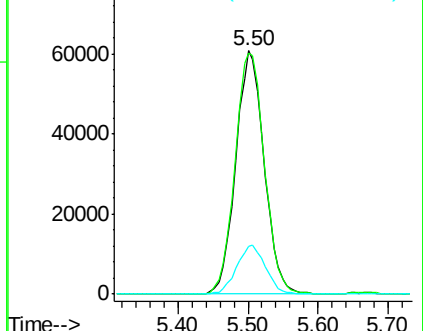
192 20.4 19.4 29.0

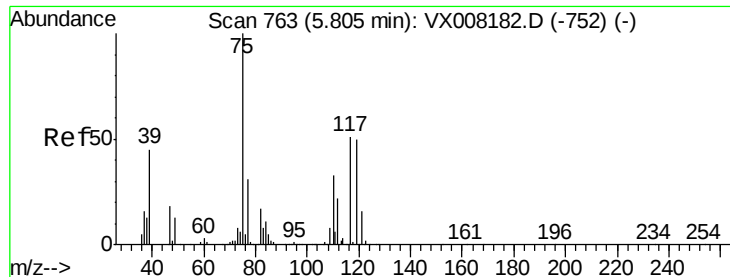


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.348 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

Instrument :

MSVOA_X

ClientSampled :

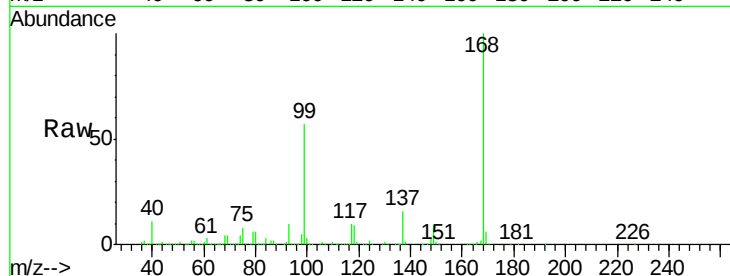
Tot Ion: 75 Resp: 27567

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.0#

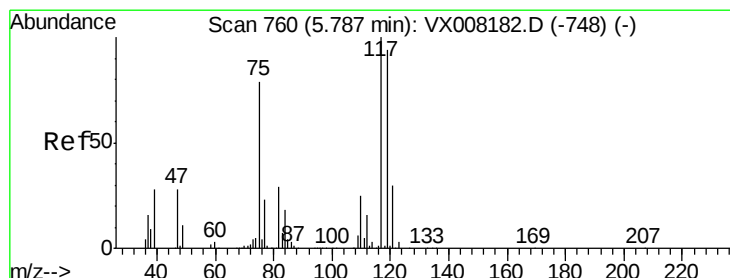
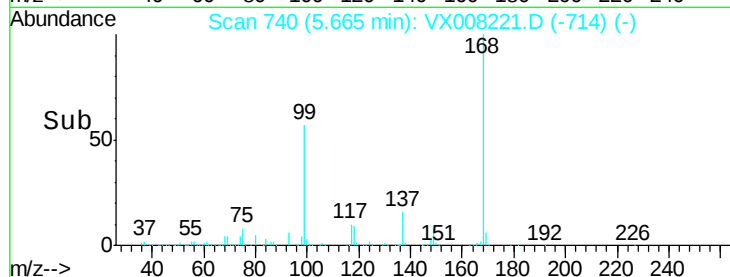
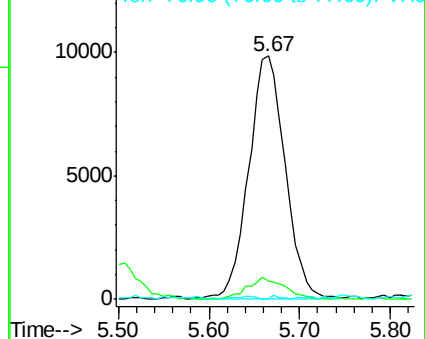
77 0.4 25.0 37.4#



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: 5.829 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

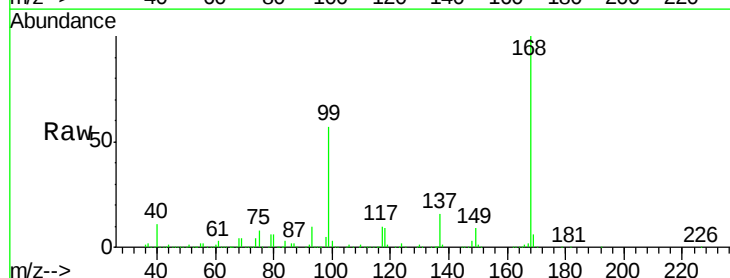
Tgt Ion:117 Resp: 32929

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

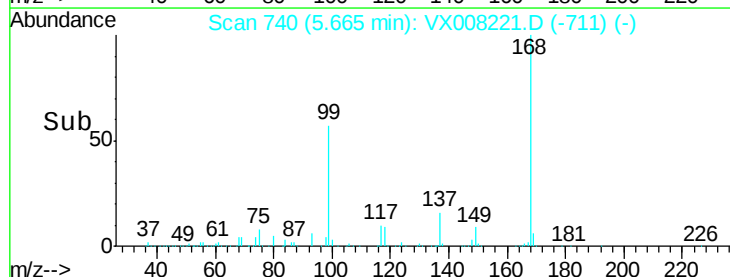
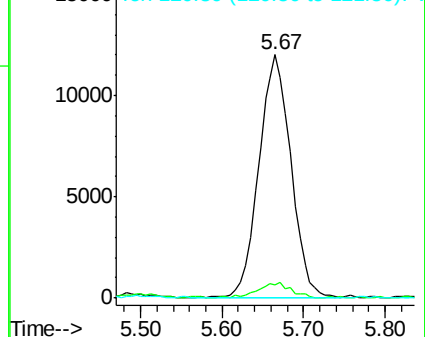
121 0.0 24.6 36.8#

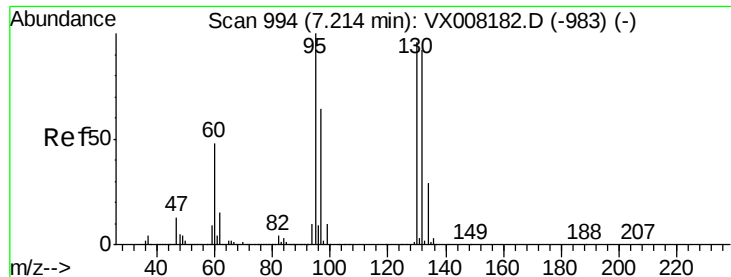


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 7.450 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

Instrument :

MSVOA_X

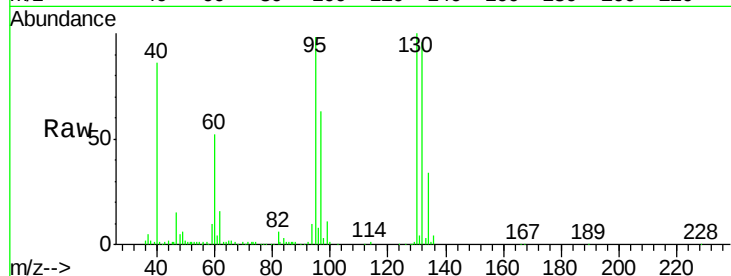
ClientSampleId :

Tot Ion:130 Resp: 34186

Ion Ratio Lower Upper

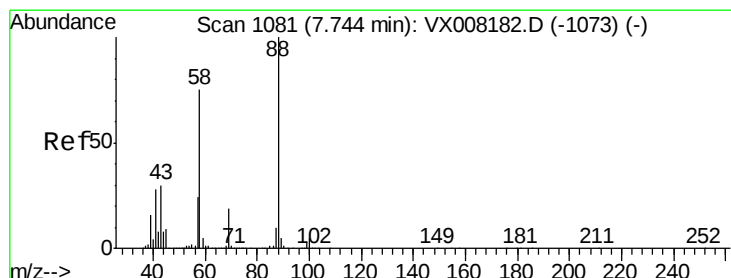
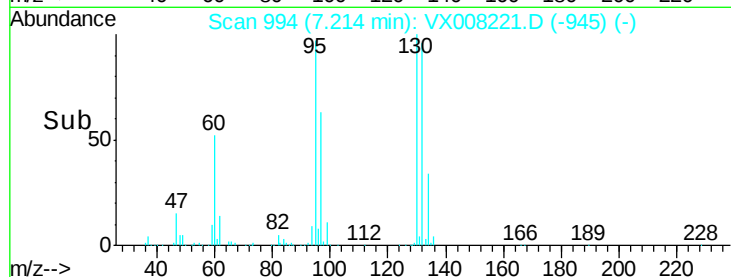
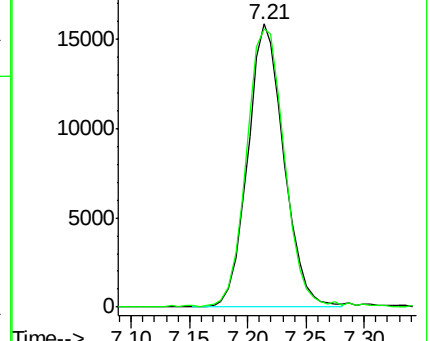
130 100

95 97.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.665 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

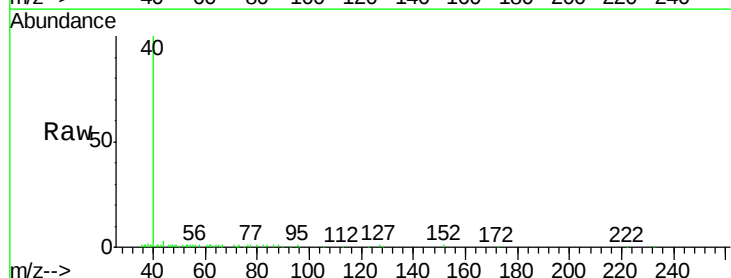
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

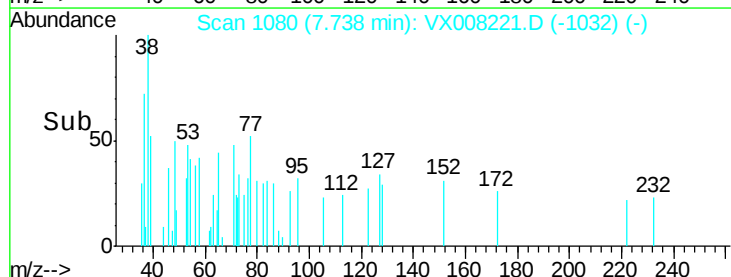
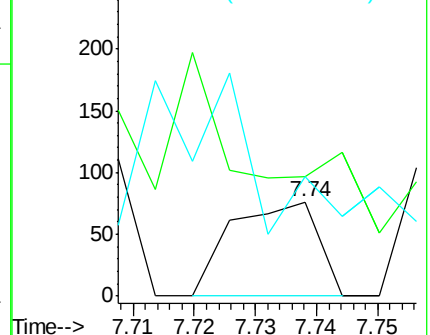
58 509.3 57.8 86.6#

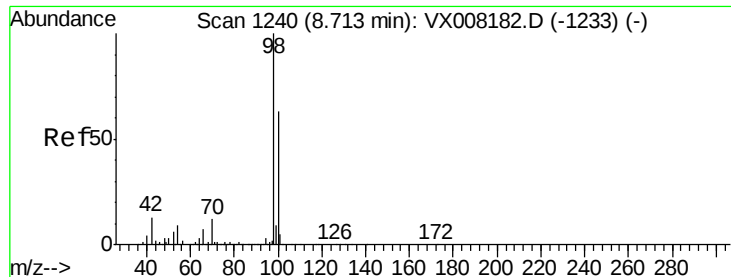


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

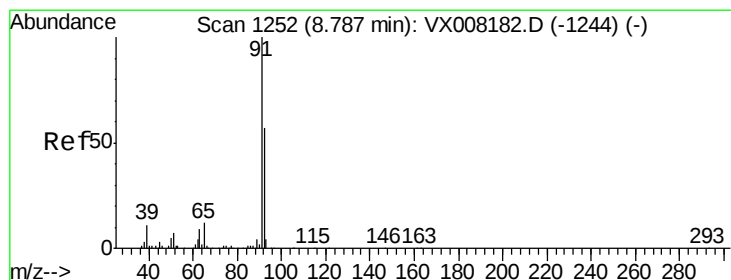
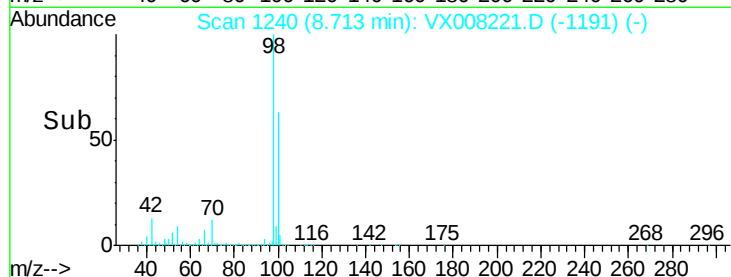
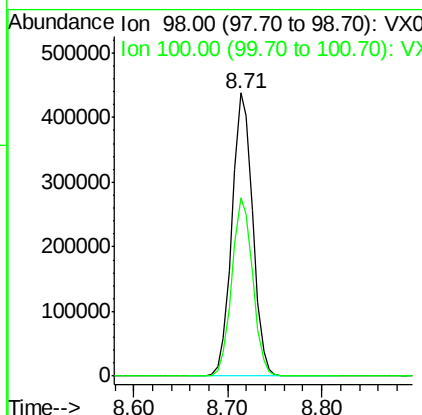
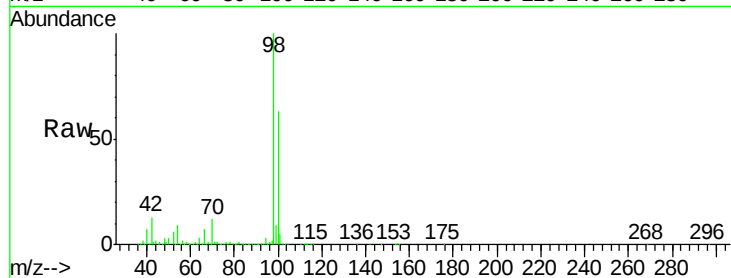




#50
Toluene-d8
Concen: 48.430 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008221.D
Acq: 20 Mar 2019 04:52

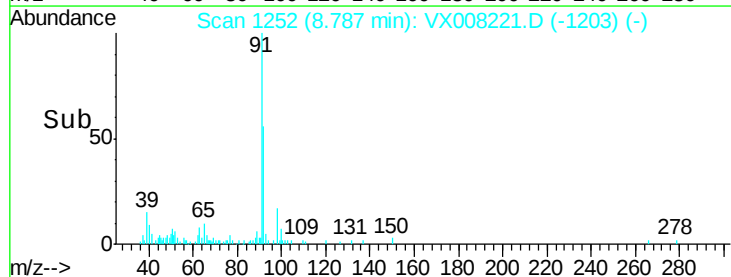
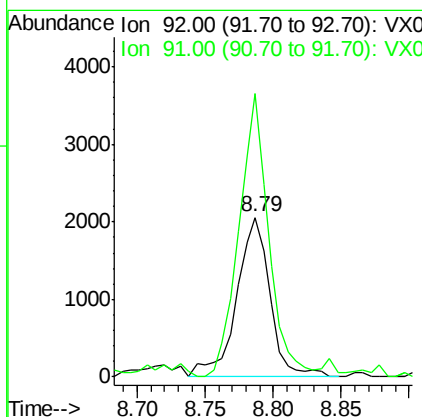
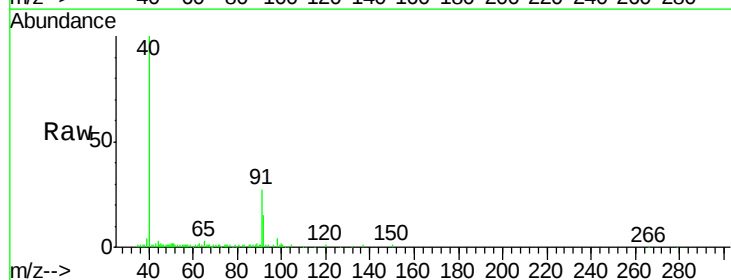
Instrument :
MSVOA_X
ClientSampleId :

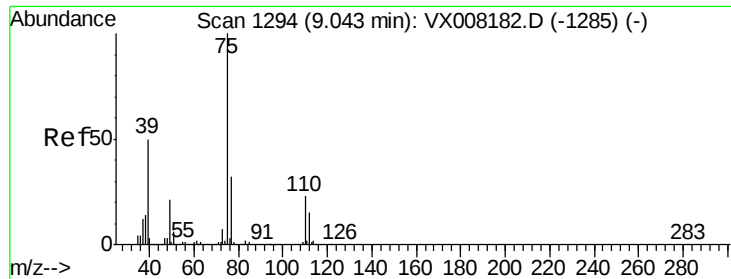
Tot Ion: 98 Resp: 669389
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#52
Toluene
Concen: 0.317 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX008221.D
Acq: 20 Mar 2019 04:52

Tgt Ion: 92 Resp: 3533
Ion Ratio Lower Upper
92 100
91 157.5 137.4 206.0

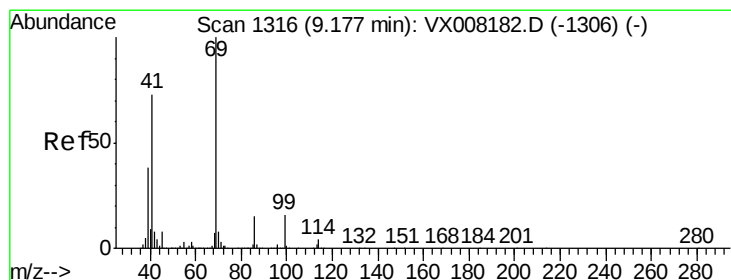
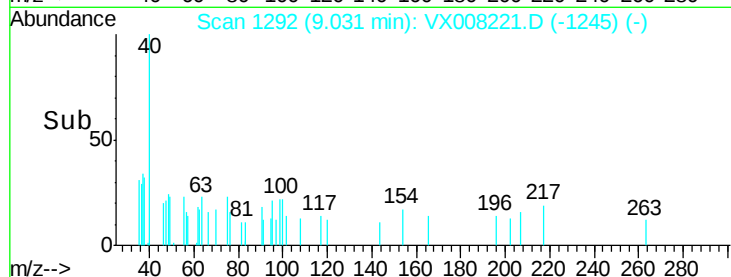
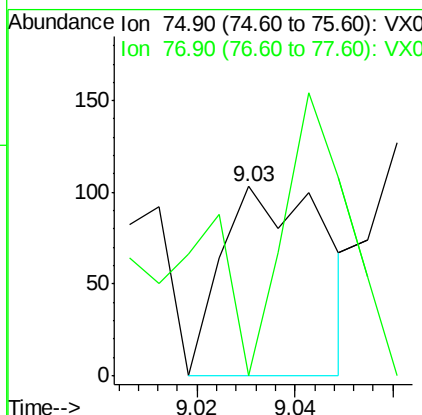
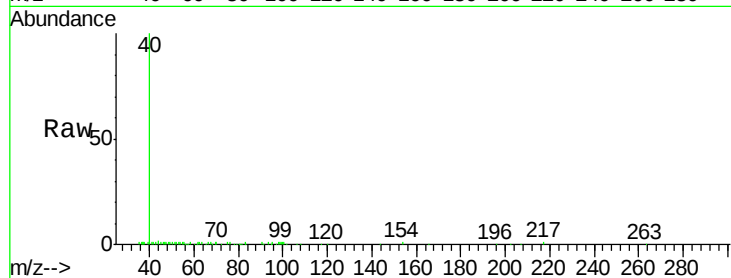




#53
t-1,3-Dichloropropene
Concen: 1.442 ug/l
RT: 9.03 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VX008221.D
Acq: 20 Mar 2019 04:52

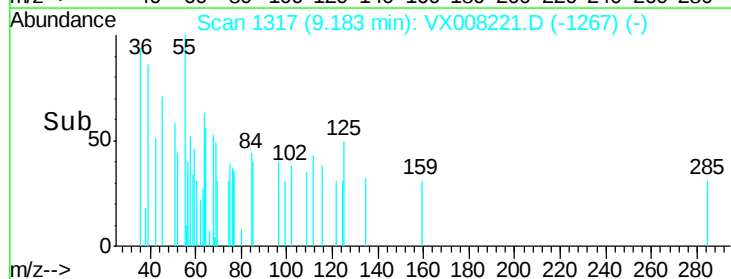
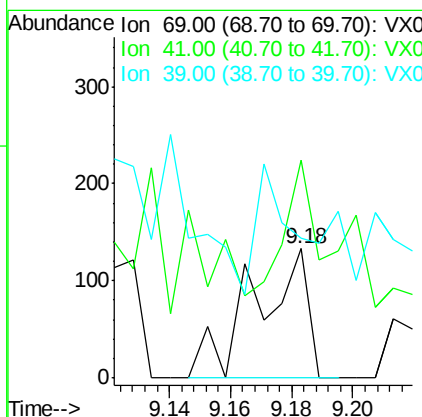
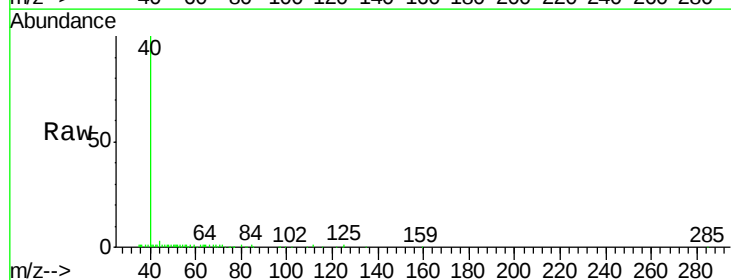
Instrument :
MSVOA_X
ClientSampleId :

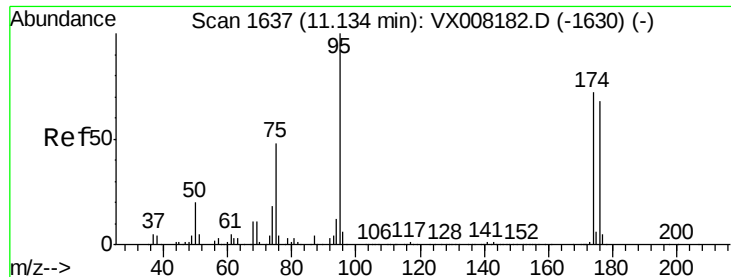
Tot Ion: 75 Resp: 151
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#56
Ethyl methacrylate
Concen: 0.546 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VX008221.D
Acq: 20 Mar 2019 04:52

Tgt Ion: 69 Resp: 161
Ion Ratio Lower Upper
69 100
41 100.0 54.2 81.4#
39 72.7 25.0 37.4#





#62

4-Bromofluorobenzene

Concen: 44.615 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

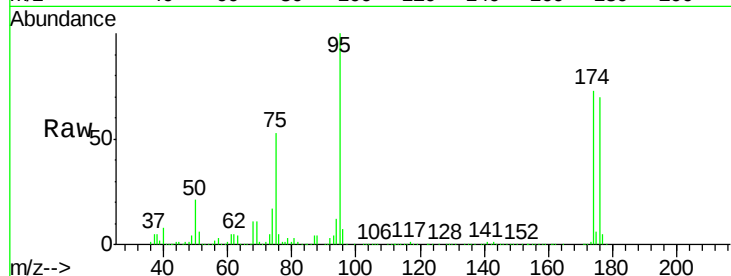
Tot Ion: 95 Resp: 212329

Ion Ratio Lower Upper

95 100

174 78.7 0.0 182.8

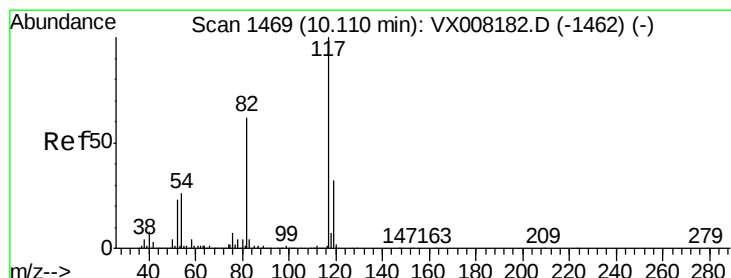
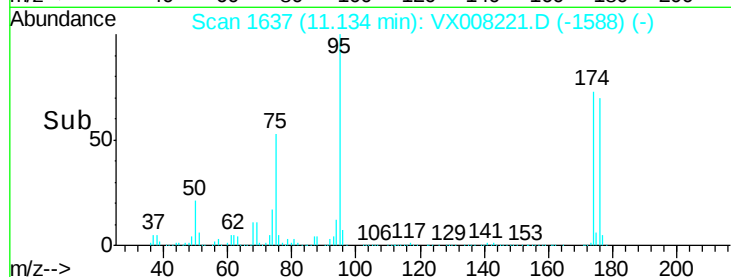
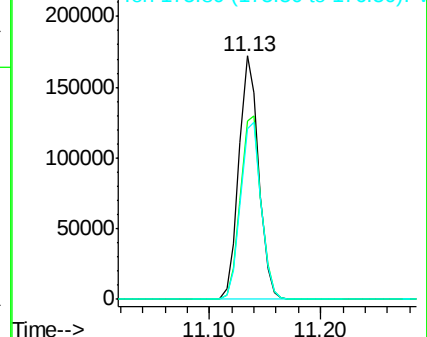
176 76.2 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008182.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008182.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008182.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

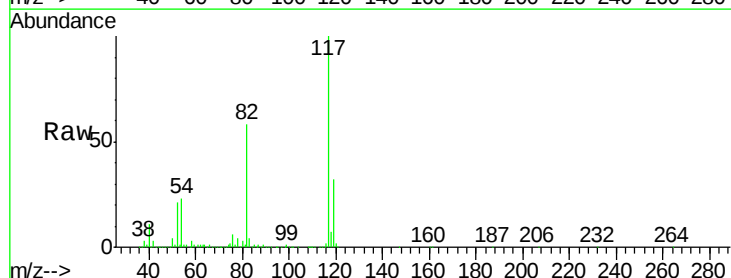
Tgt Ion: 117 Resp: 456898

Ion Ratio Lower Upper

117 100

82 58.1 44.3 66.5

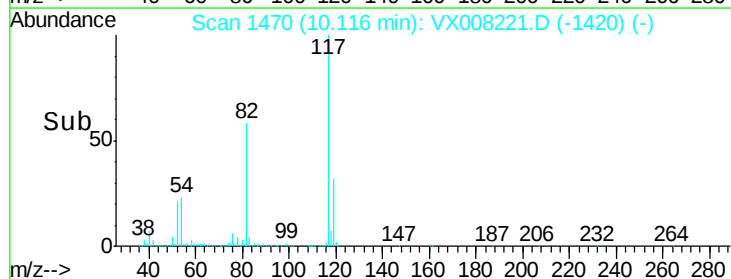
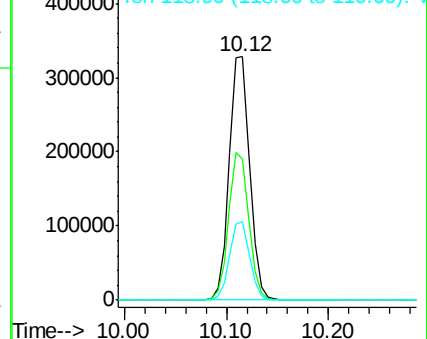
119 32.5 25.3 37.9

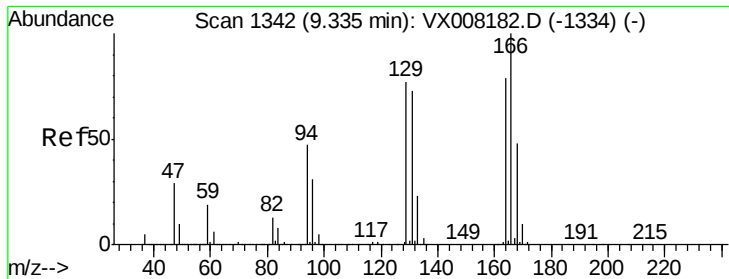


Abundance Ion 116.90 (116.60 to 117.60): VX008182.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008182.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008182.D (-1462) (-)





#64

Tetrachloroethene

Concen: 0.356 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 1467

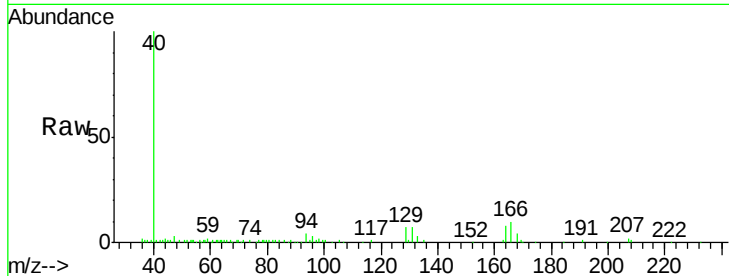
Ion Ratio Lower Upper

164 100

166 122.8 103.4 155.0

129 93.3 72.2 108.4

131 94.6 69.4 104.2

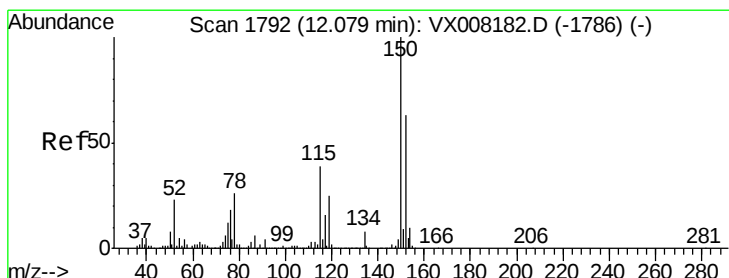
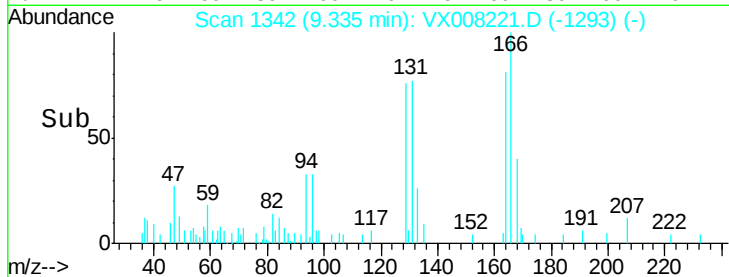
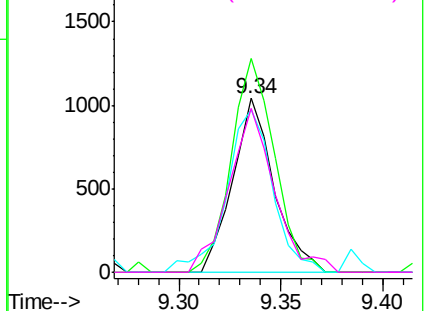


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX008221.D

Acq: 20 Mar 2019 04:52

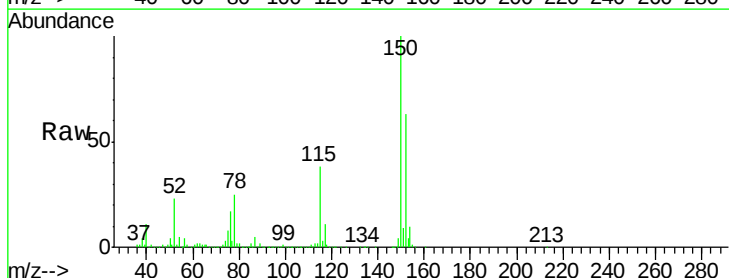
Tgt Ion:152 Resp: 184291

Ion Ratio Lower Upper

152 100

115 60.4 38.6 115.7

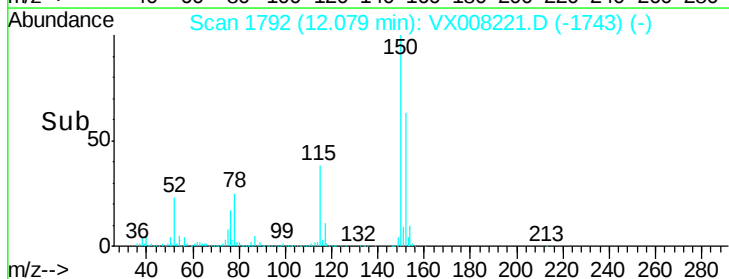
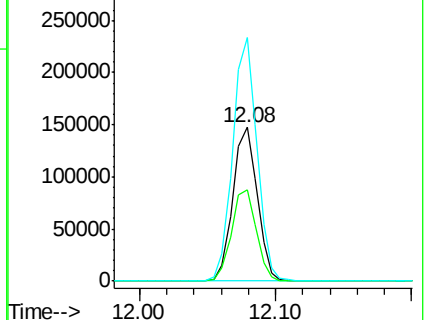
150 156.3 0.0 348.4

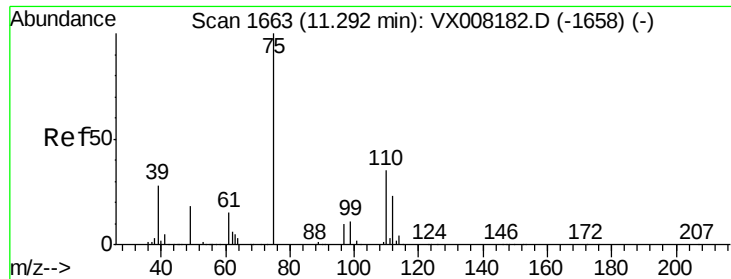


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

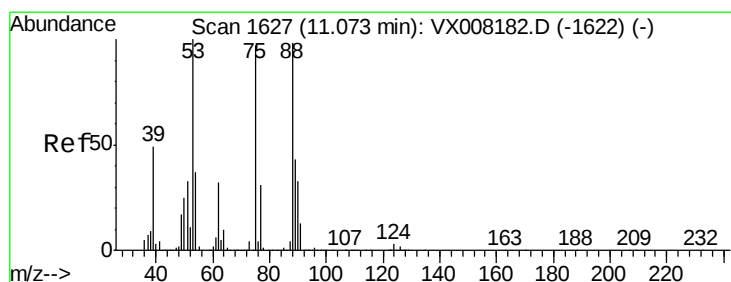
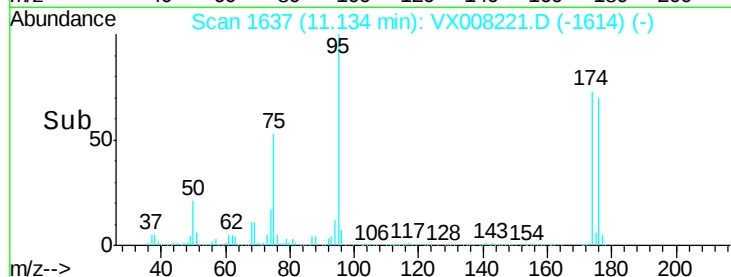
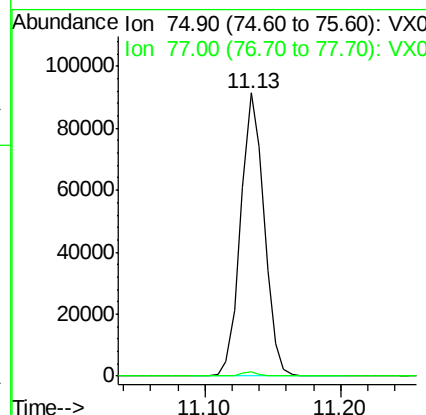
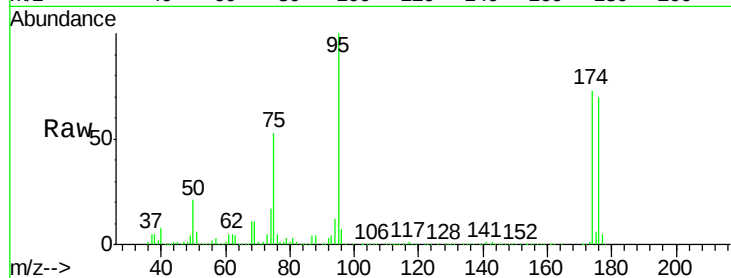




#76
 1,2,3-Trichloropropane
 Concen: 21.332 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008221.D
 Acq: 20 Mar 2019 04:52

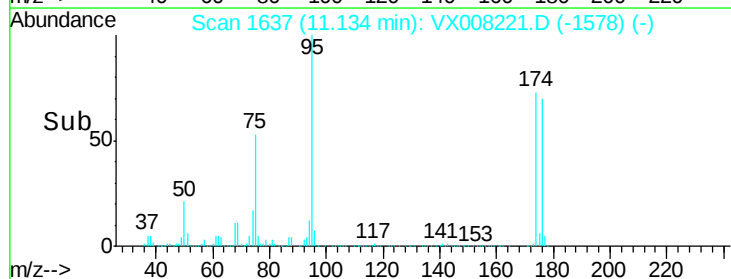
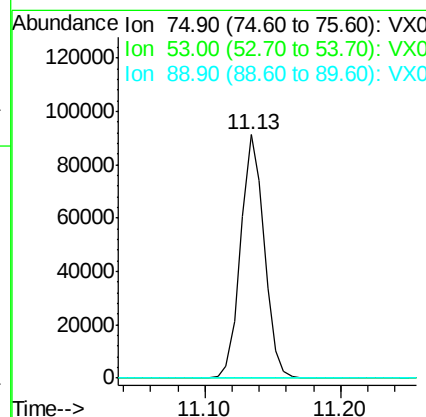
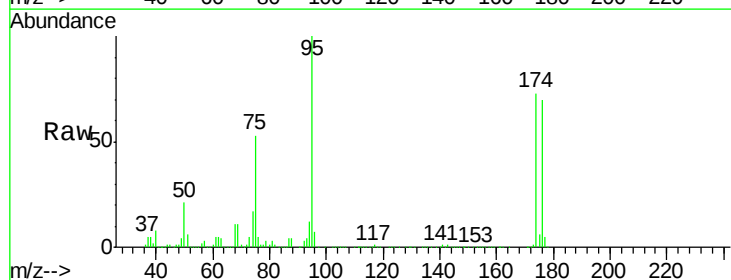
Instrument :
 MSVOA_X
 ClientSampled :

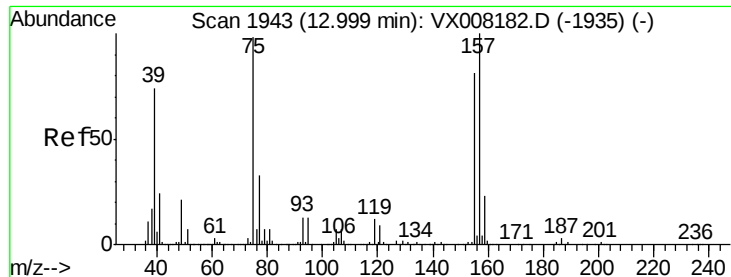
Tot Ion: 75 Resp: 110574
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.256 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008221.D
 Acq: 20 Mar 2019 04:52

Tgt Ion: 75 Resp: 110574
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.1 36.3 54.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.216 ug/l

RT: 13.01 min Scan# 1944

Delta R.T. 0.01 min

Lab File: VX008221.D

Acq: 20 Mar 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

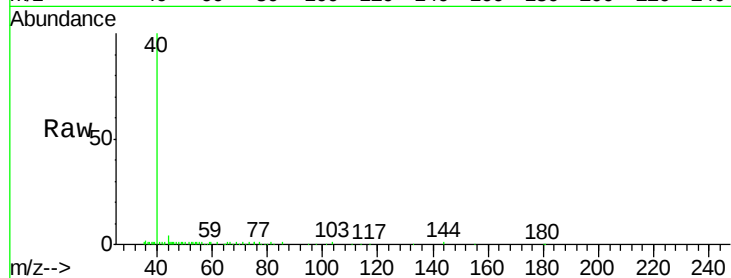
Tot Ion: 75 Resp: 282

Ion Ratio Lower Upper

75 100

155 16.0 49.7 149.1#

157 0.0 63.8 191.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

