

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX052218\
 Data File : VX001896.D
 Acq On : 22 May 2018 16:30
 Operator : JC/MD
 Sample : J2988-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:13:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	319026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	448273	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	400744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	217911	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	248361	58.08	ug/l	0.00
Spiked Amount			Recovery	=	116.16%	
35) Dibromofluoromethane	5.51	113	198315	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	8.72	98	699183	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	11.14	95	227019	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	

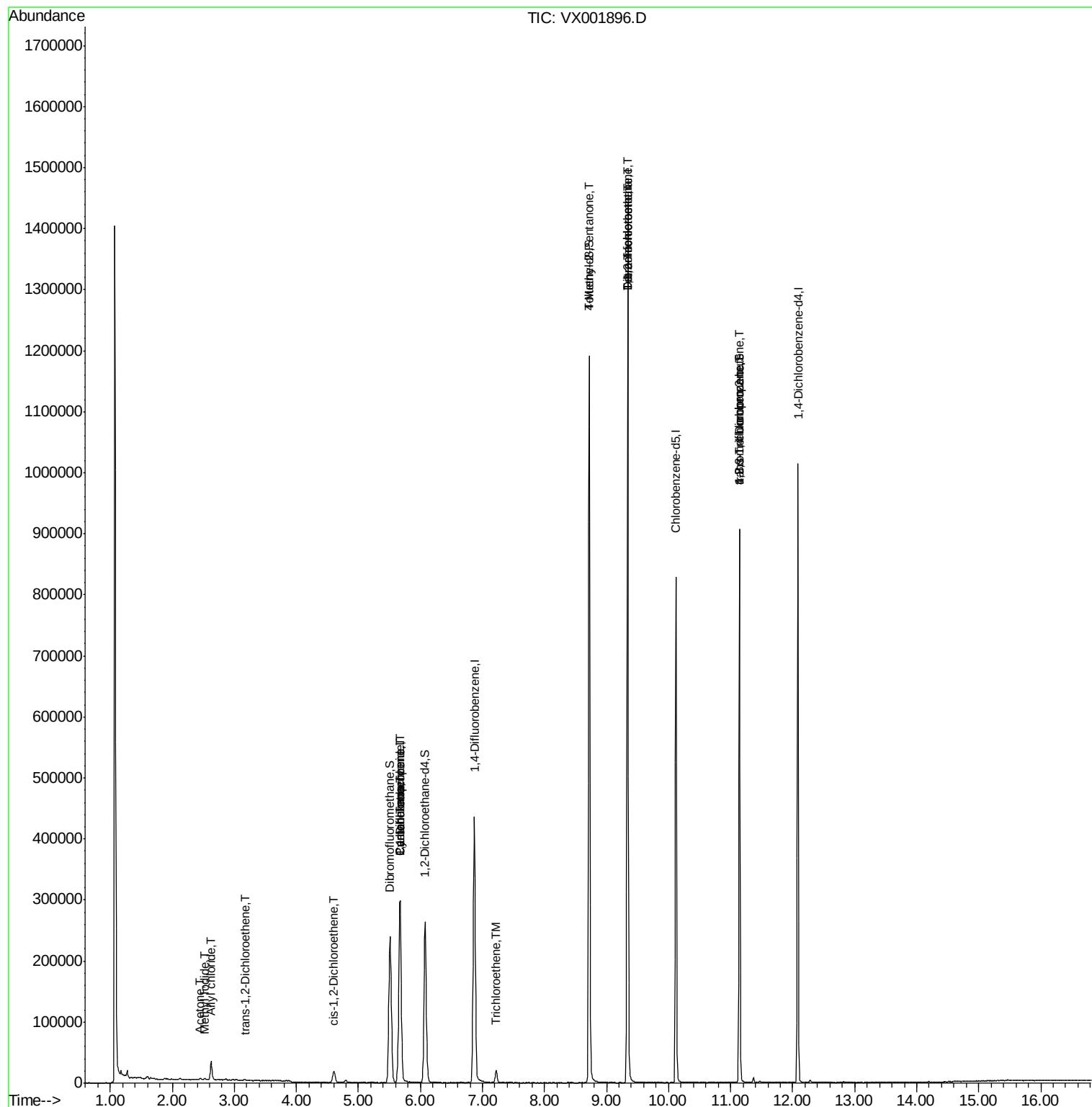
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1174	Below Cal	#	79
10) Methyl Iodide	2.51	142	1483	0.49	ug/l	97
14) Allyl chloride	2.62	41	3938	0.68	ug/l	# 73
16) Acetone	2.45	43	2607	1.55	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	842	0.24	ug/l	# 77
27) cis-1,2-Dichloroethene	4.60	96	12273	3.10	ug/l	98
31) Cyclohexane	5.67	56	5331	0.99	ug/l	# 10
36) 1,1-Dichloropropene	5.67	75	19240	3.73	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	26845	4.97	ug/l	# 16
44) Trichloroethene	7.22	130	8339	1.77	ug/l	100
51) 4-Methyl-2-Pentanone	8.72	43	3443	0.65	ug/l	# 1
55) 1,1,2-Trichloroethane	9.34	97	2239	0.60	ug/l	# 5
60) Dibromochloromethane	9.34	129	257146	67.24	ug/l	# 11
64) Tetrachloroethene	9.34	164	309602	59.35	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	109366	26.39	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	109366	76.76	ug/l	# 10

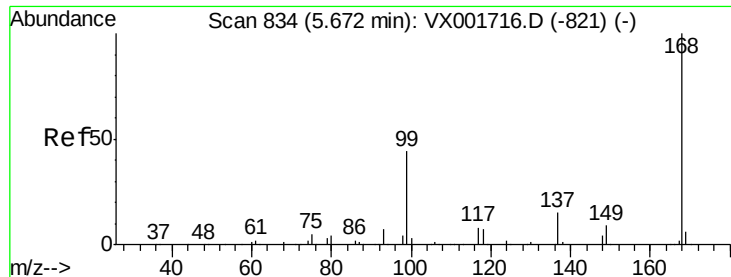
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001896.D

Acq: 22 May 2018 16:30

Instrument :

MSVOA_X

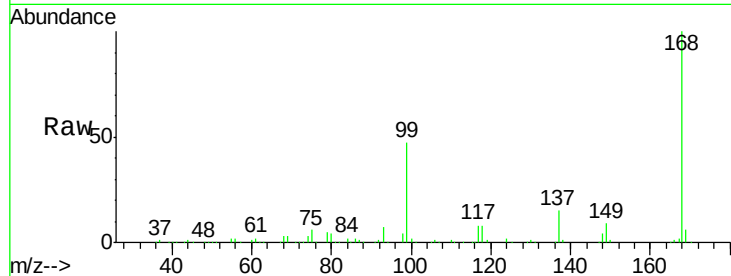
ClientSampleId :

Tot Ion:168 Resp: 319026

Ion Ratio Lower Upper

168 100

99 47.4 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

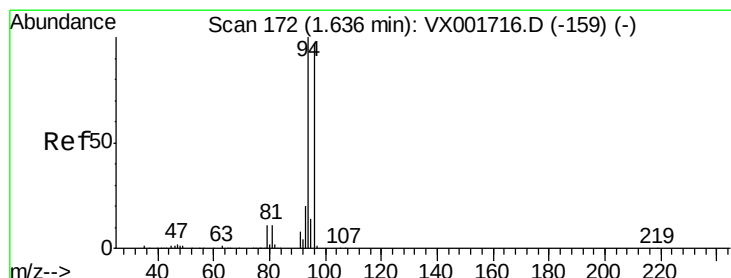
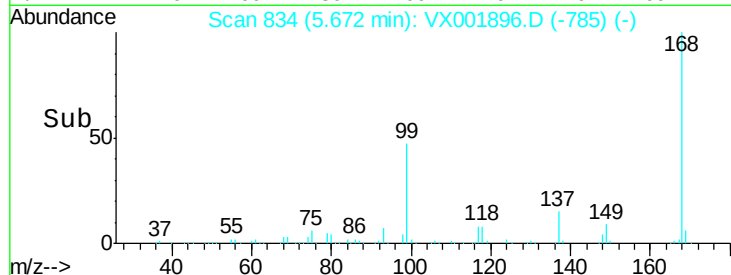
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001896.D

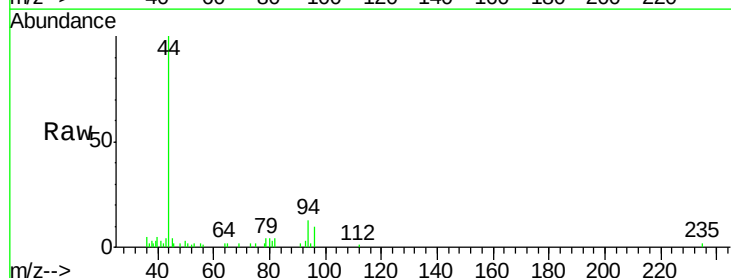
Acq: 22 May 2018 16:30

Tgt Ion: 94 Resp: 1174

Ion Ratio Lower Upper

94 100

96 76.0 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

500

400

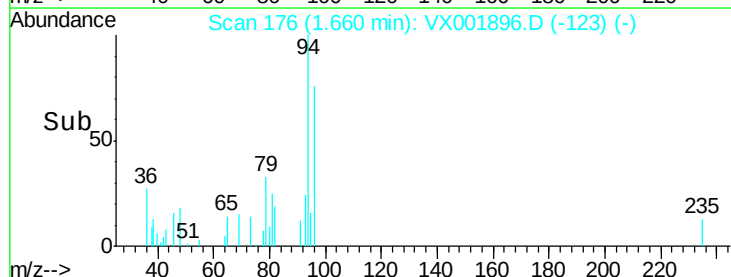
300

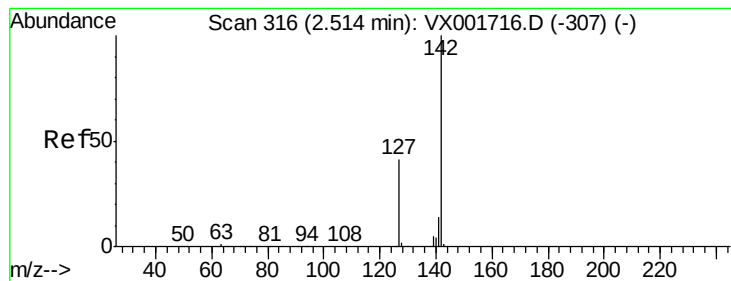
200

100

0

Time--> 1.60 1.65 1.70





#10

Methvl Iodide

Concen: 0.49 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX001896.D

Acq: 22 May 2018 16:30

Instrument :

MSVOA_X

ClientSampled :

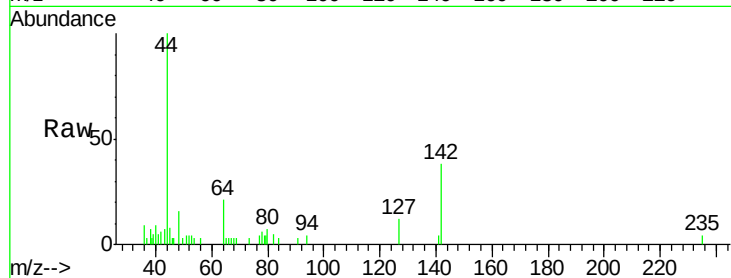
Tot Ion:142 Resp: 1483

Ion Ratio Lower Upper

142 100

127 43.0 32.5 48.7

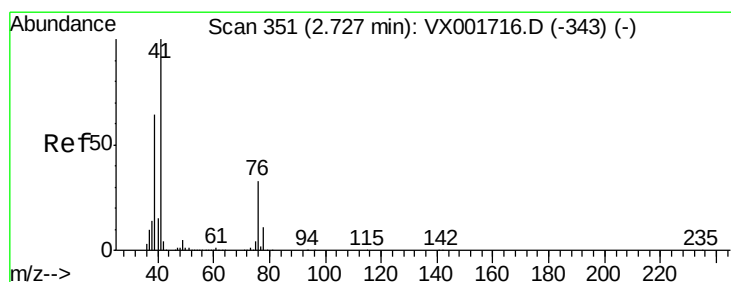
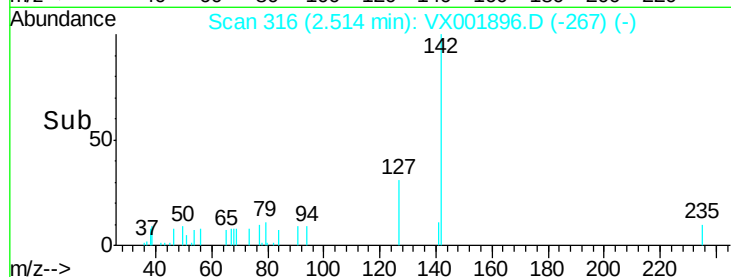
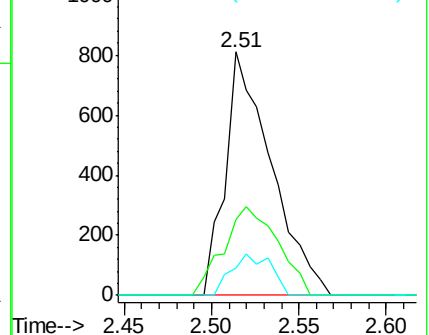
141 14.6 11.4 17.0



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



#14

Allyl chloride

Concen: 0.68 ug/l

RT: 2.62 min Scan# 334

Delta R.T. -0.10 min

Lab File: VX001896.D

Acq: 22 May 2018 16:30

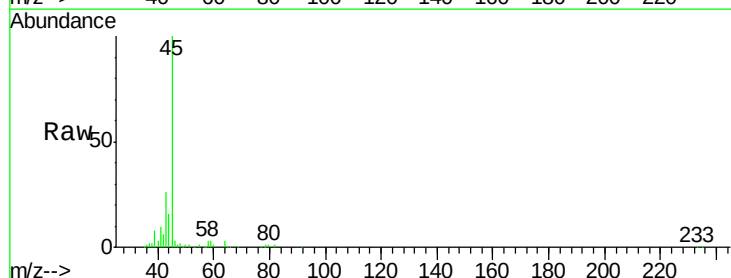
Tgt Ion: 41 Resp: 3938

Ion Ratio Lower Upper

41 100

39 71.1 49.8 74.6

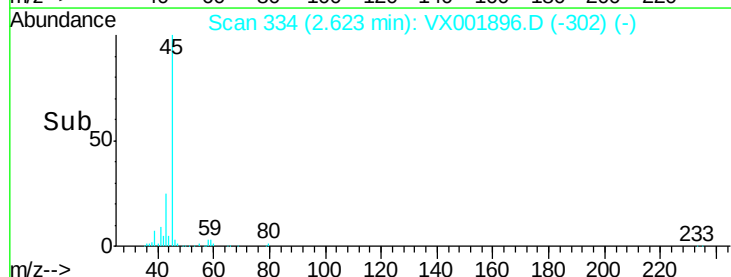
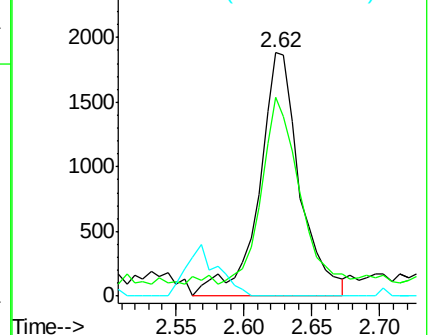
76 0.0 25.8 38.8#

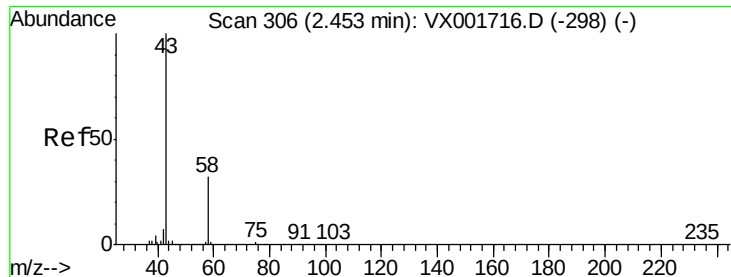


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 1.55 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001896.D

Acq: 22 May 2018 16:30

Instrument :

MSVOA_X

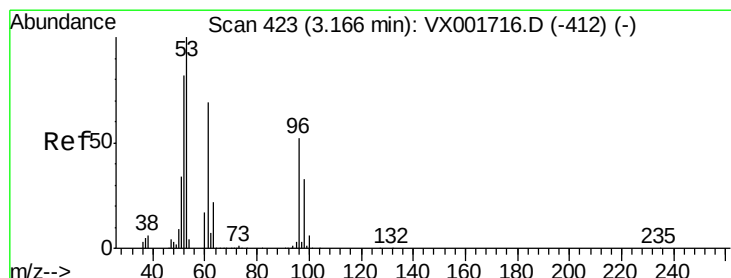
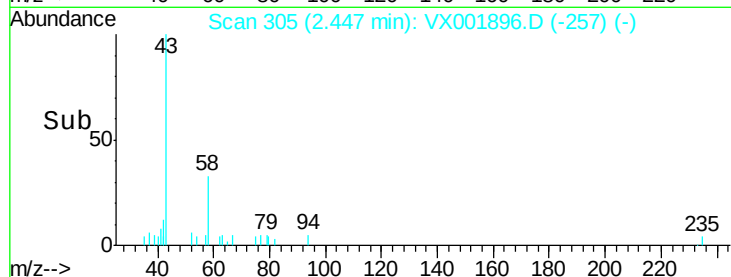
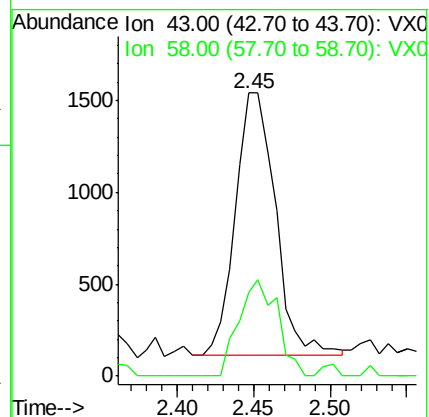
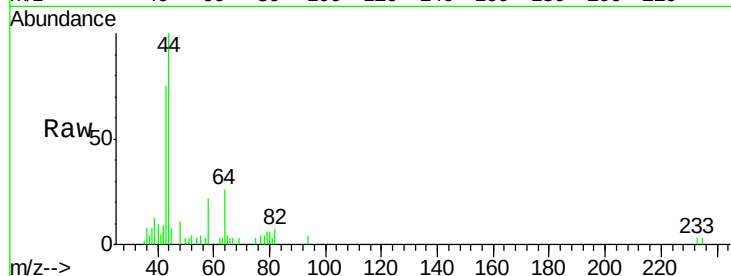
ClientSampled :

Tot Ion: 43 Resp: 2607

Ion Ratio Lower Upper

43 100

58 31.9 25.3 37.9



#21

trans-1,2-Dichloroethene

Concen: 0.24 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001896.D

Acq: 22 May 2018 16:30

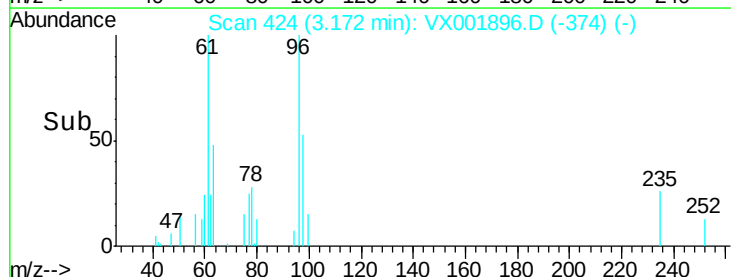
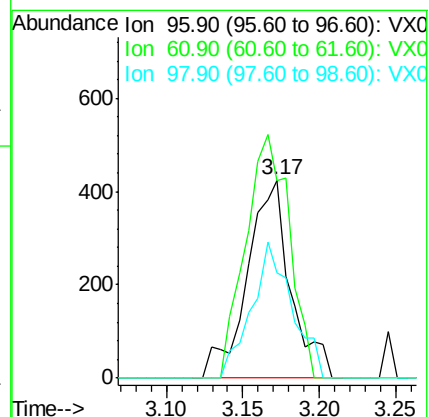
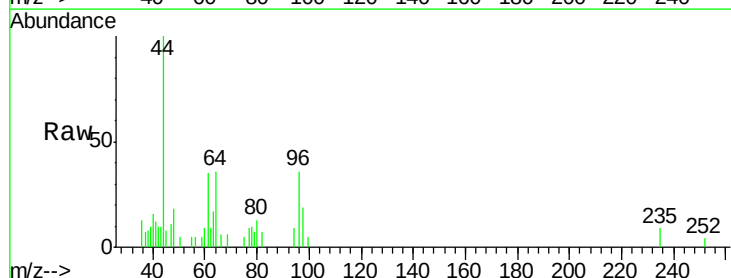
Tgt Ion: 96 Resp: 842

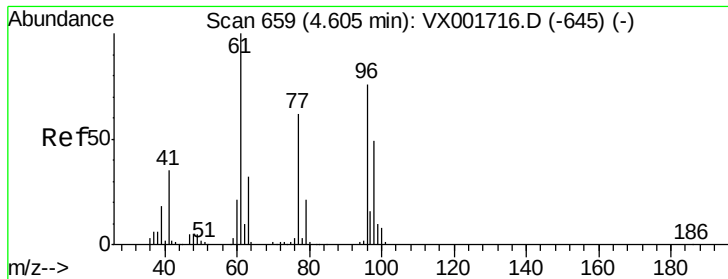
Ion Ratio Lower Upper

96 100

61 99.8 105.8 158.8#

98 53.3 50.2 75.4



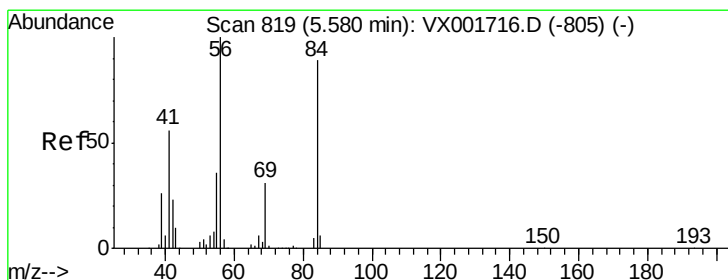
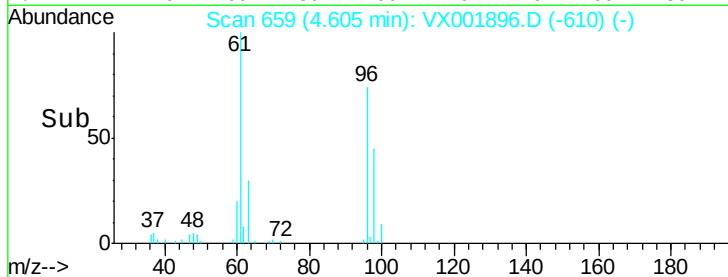
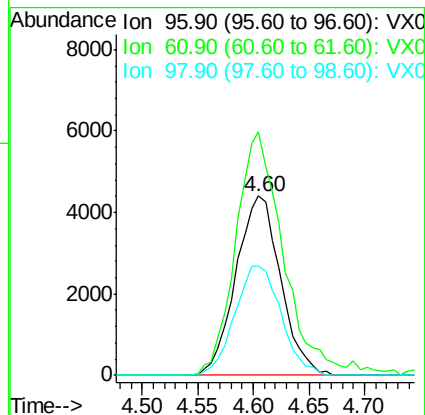
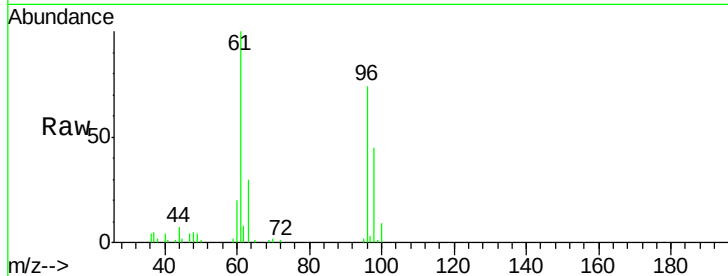


#27

cis-1,2-Dichloroethene
Concen: 3.10 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001896.D
Acq: 22 May 2018 16:30

Instrument :
MSVOA_X
ClientSampleId :

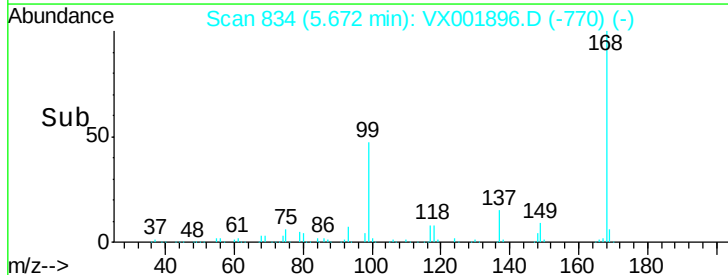
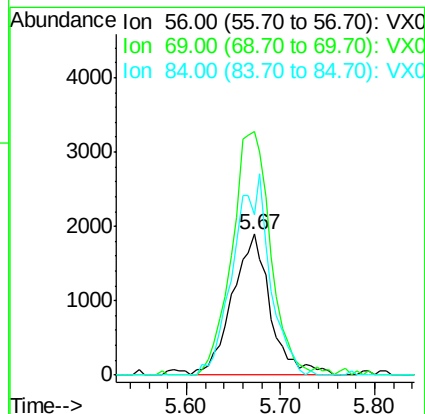
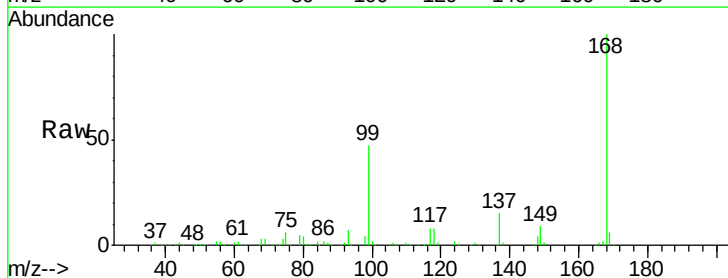
Tot Ion: 96 Resp: 12273
Ion Ratio Lower Upper
96 100
61 143.5 0.0 280.4
98 62.9 0.0 128.4

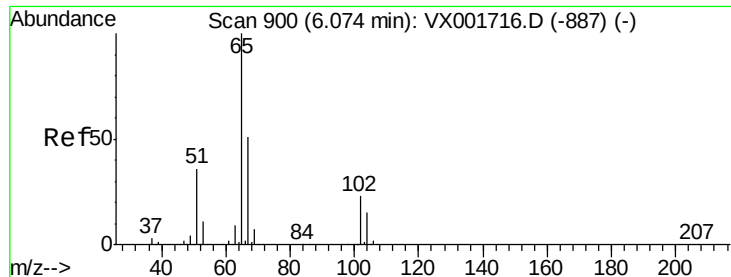


#31

Cyclohexane
Concen: 0.99 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001896.D
Acq: 22 May 2018 16:30

Tgt Ion: 56 Resp: 5331
Ion Ratio Lower Upper
56 100
69 173.1 25.0 37.6#
84 117.7 71.0 106.4#

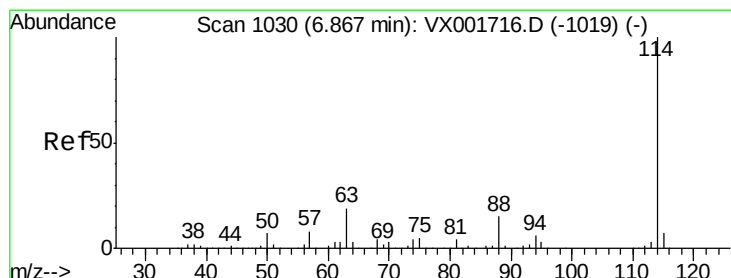
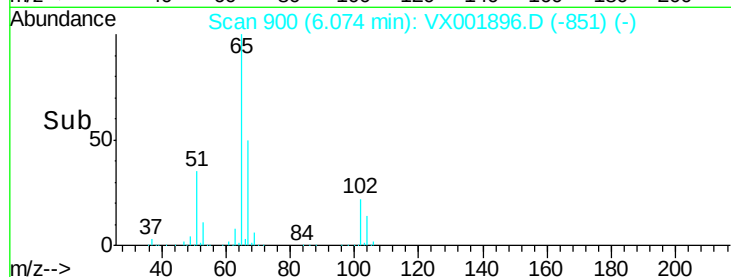
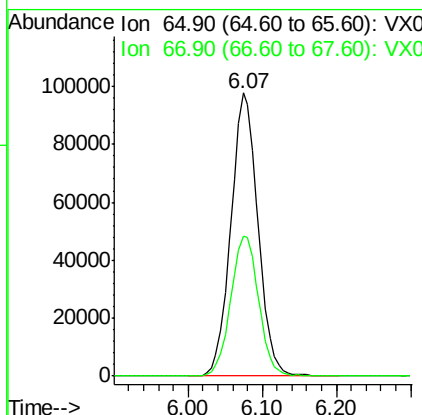
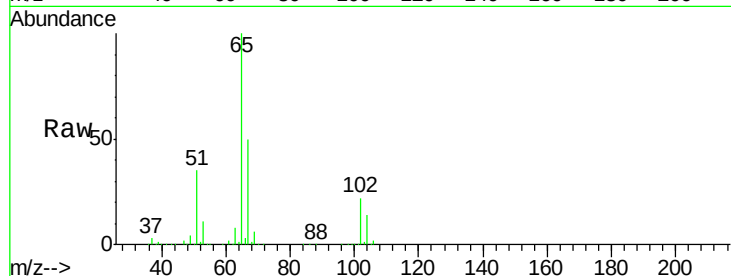




#33
 1,2-Dichloroethane-d4
 Concen: 58.08 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001896.D
 Acq: 22 May 2018 16:30

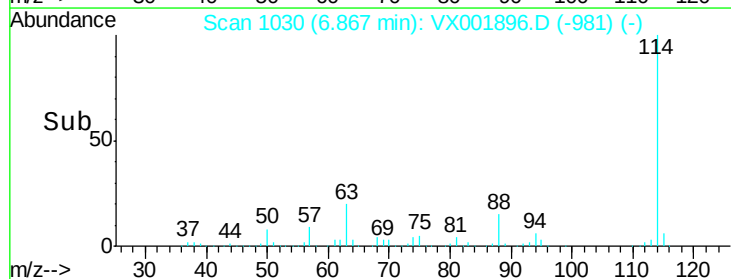
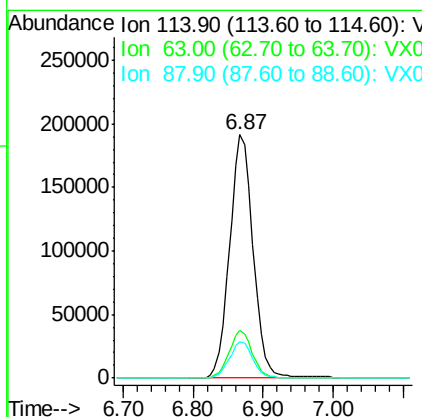
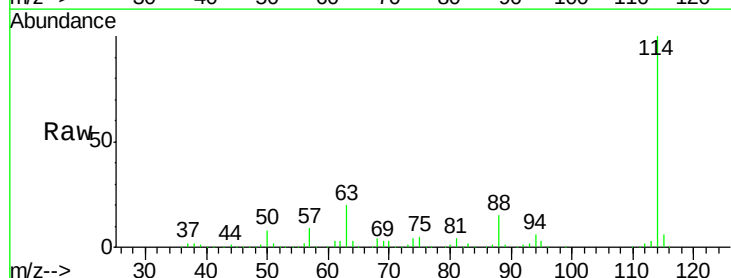
Instrument :
 MSVOA_X
 ClientSampled :

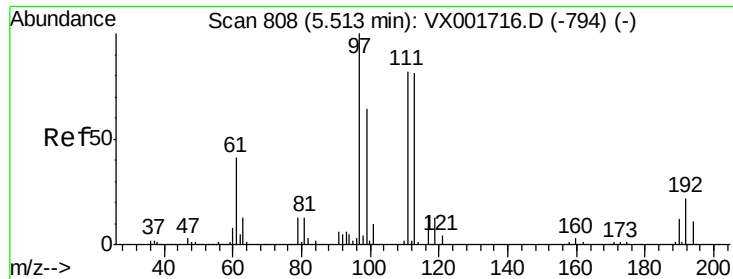
Tot Ion: 65 Resp: 248361
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001896.D
 Acq: 22 May 2018 16:30

Tgt Ion: 114 Resp: 448273
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.0
 88 14.9 0.0 29.8

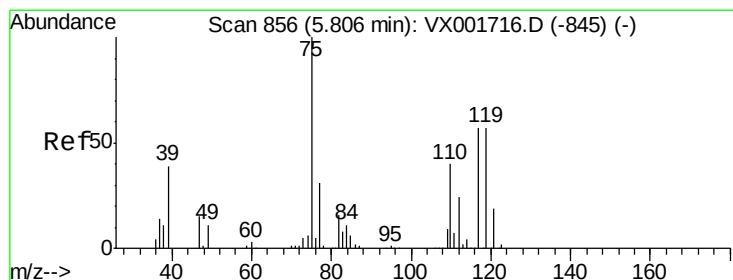
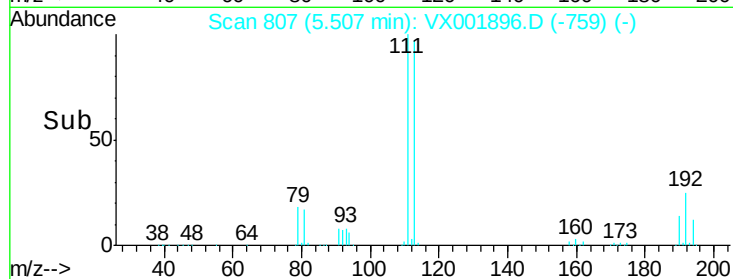
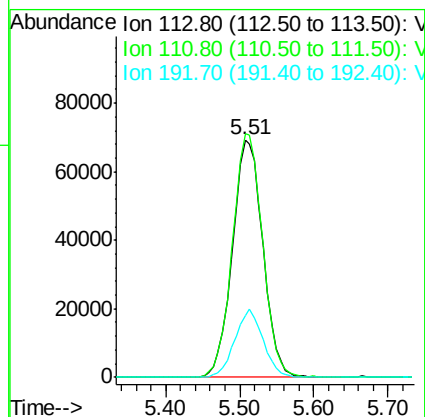
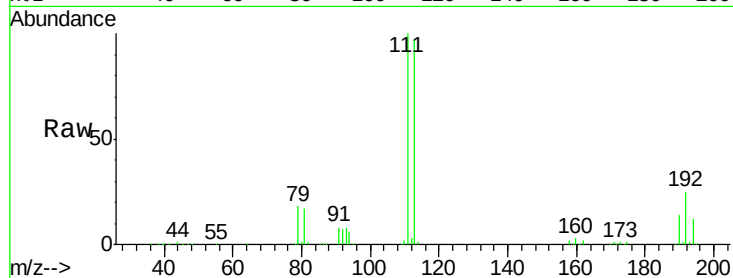




#35
 Dibromofluoromethane
 Concen: 52.42 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001896.D
 Acq: 22 May 2018 16:30

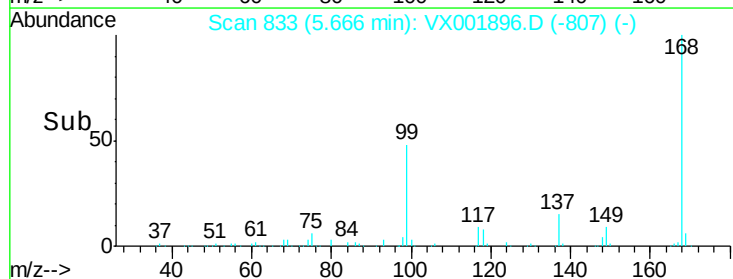
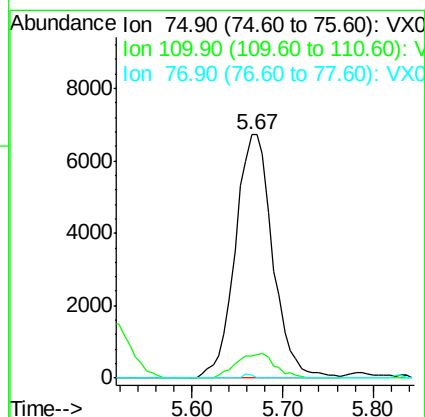
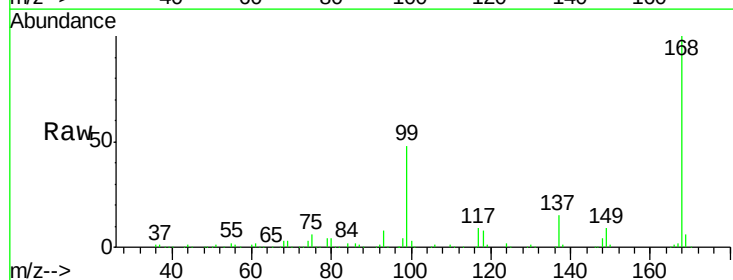
Instrument :
 MSVOA_X
 ClientSampleId :

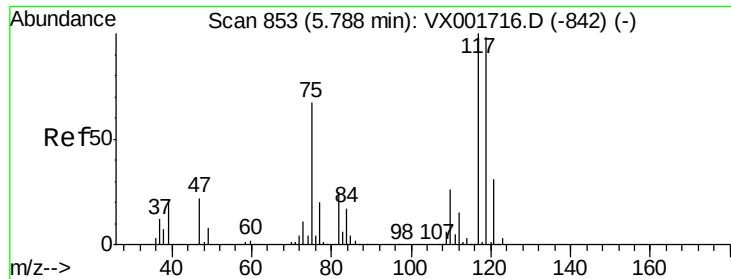
Tot Ion:113 Resp: 198315
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.0 123.0
 192 26.7 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.73 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001896.D
 Acq: 22 May 2018 16:30

Tgt Ion: 75 Resp: 19240
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.1 57.1#
 77 0.4 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.97 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001896.D

Acq: 22 May 2018 16:30

Instrument :

MSVOA_X

ClientSampled :

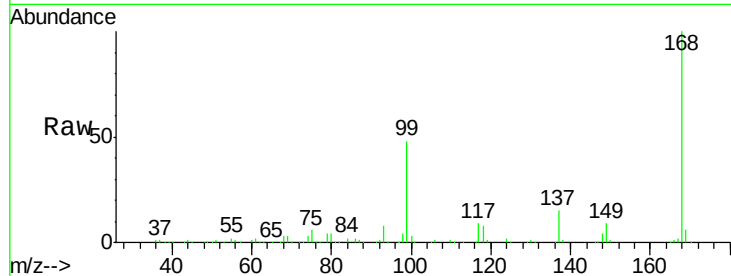
Tot Ion:117 Resp: 26845

Ion Ratio Lower Upper

117 100

119 5.6 77.6 116.4#

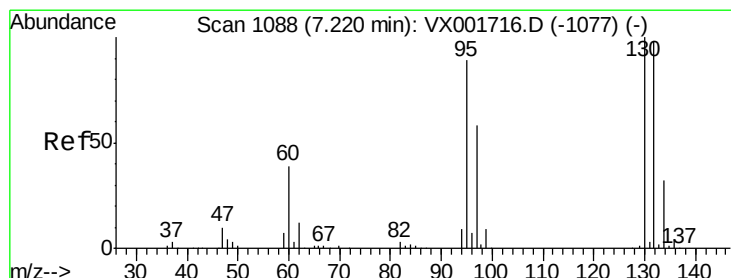
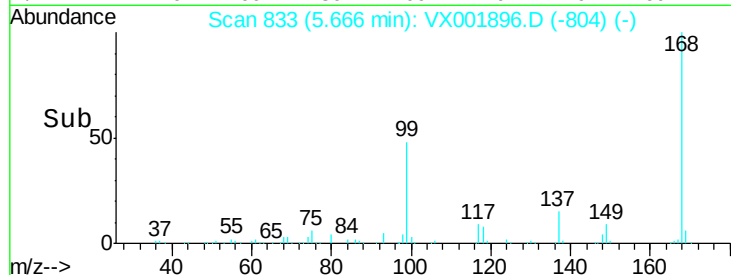
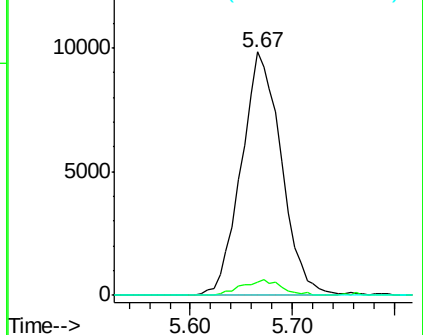
121 0.0 24.6 36.8#



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: 1.77 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001896.D

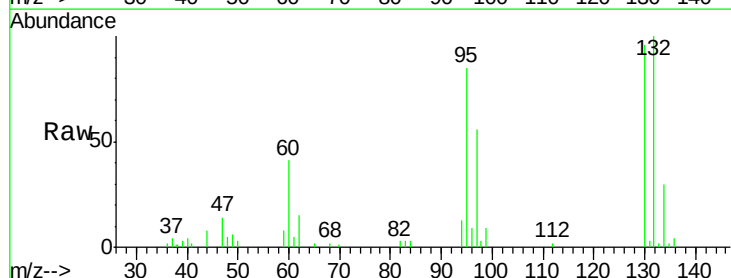
Acq: 22 May 2018 16:30

Tgt Ion:130 Resp: 8339

Ion Ratio Lower Upper

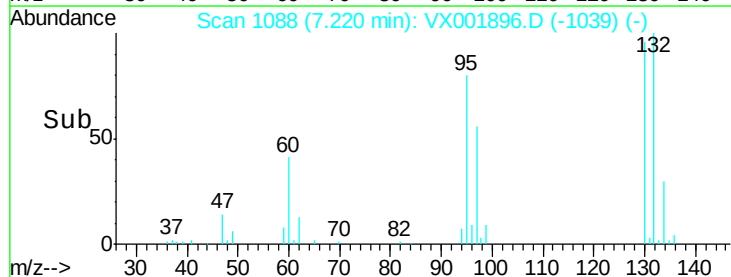
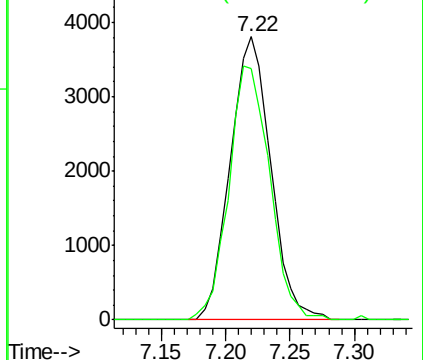
130 100

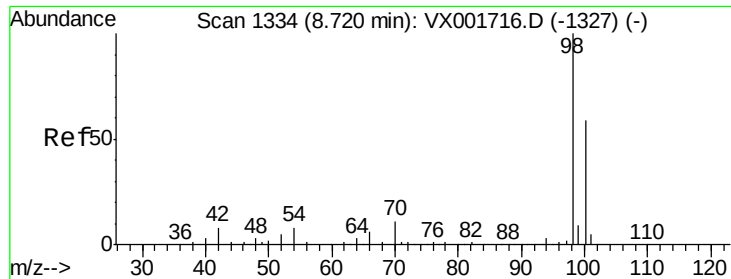
95 88.7 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

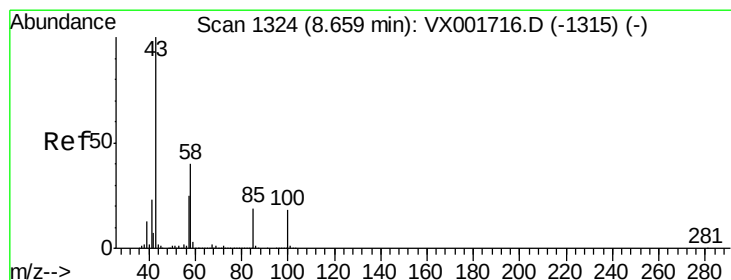
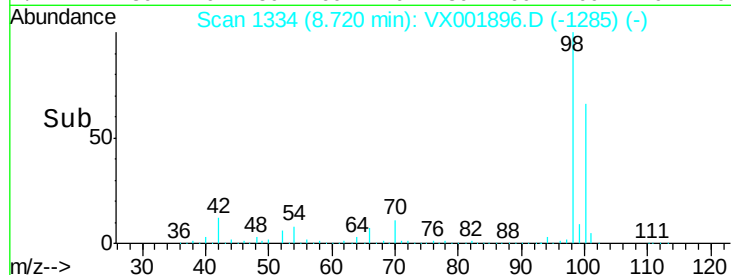
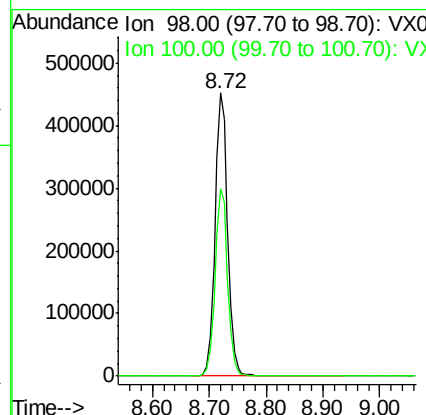
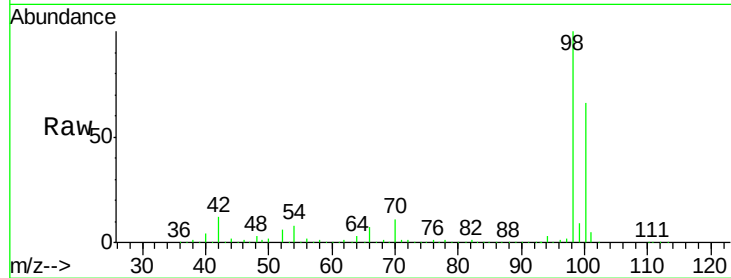




#50
Toluene-d8
Concen: 51.60 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001896.D
Acq: 22 May 2018 16:30

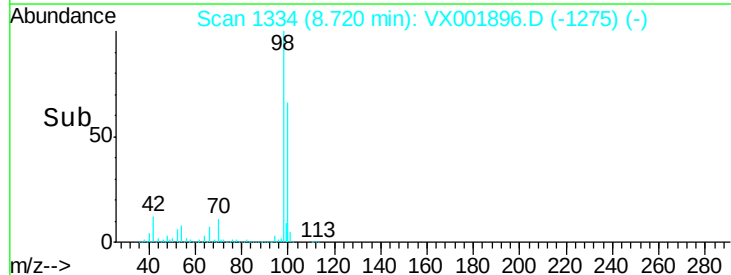
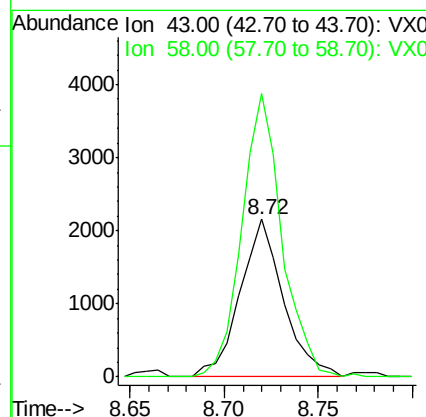
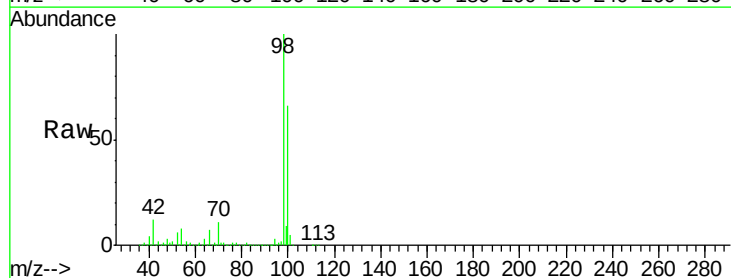
Instrument :
MSVOA_X
ClientSampled :

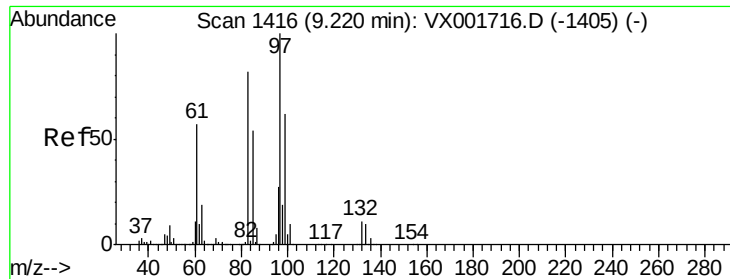
Tot Ion: 98 Resp: 699183
Ion Ratio Lower Upper
98 100
100 66.1 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.65 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001896.D
Acq: 22 May 2018 16:30

Tgt Ion: 43 Resp: 3443
Ion Ratio Lower Upper
43 100
58 166.2 31.4 47.0#

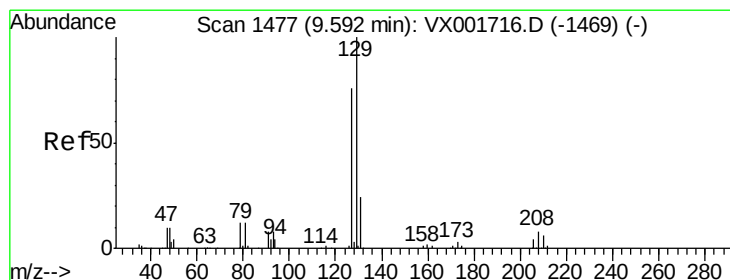
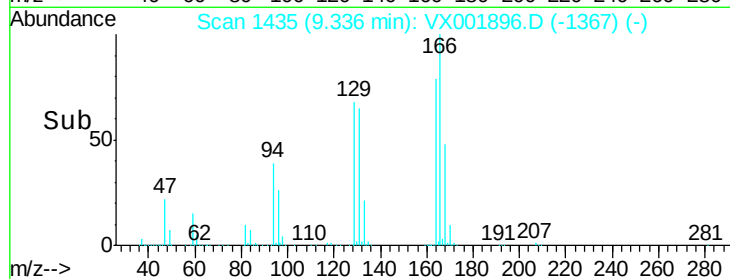
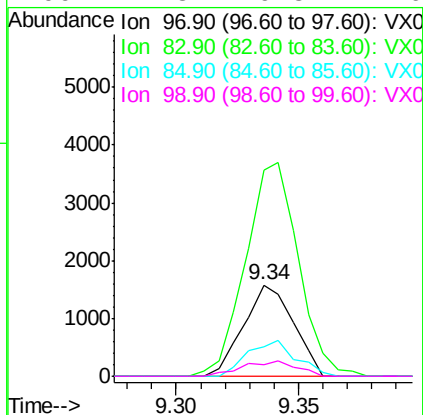
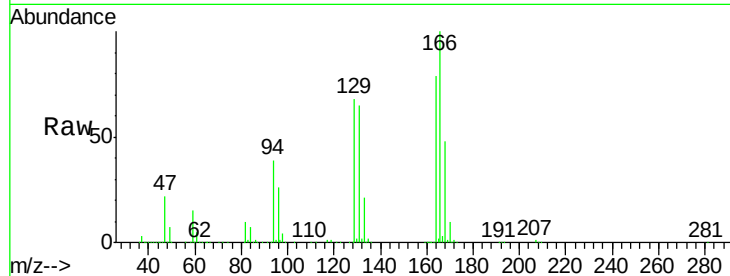




#55
 1,1,2-Trichloroethane
 Concen: 0.60 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. 0.12 min
 Lab File: VX001896.D
 Acq: 22 May 2018 16:30

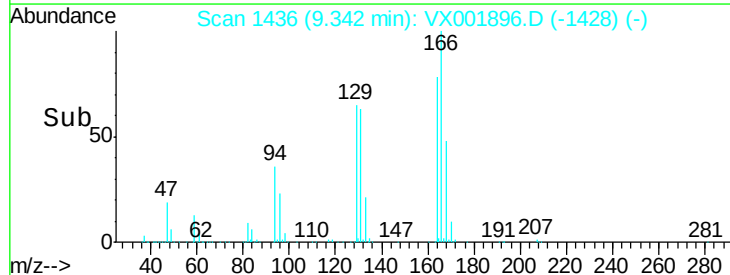
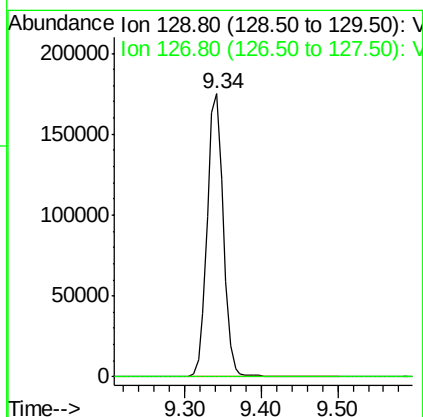
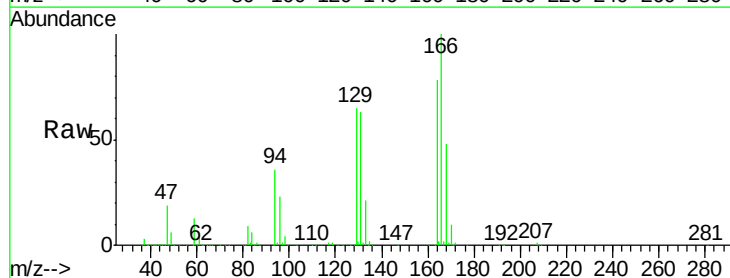
Instrument :
 MSVOA_X
 ClientSampled :

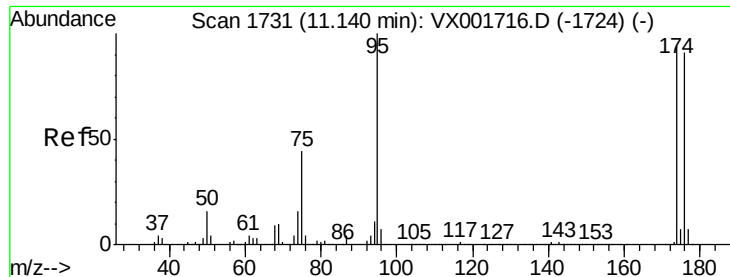
Tot Ion:	97	Resp:	2239
Ion	Ratio	Lower	Upper
97	100		
83	226.3	65.8	98.8#
85	31.7	43.4	65.0#
99	12.3	49.8	74.6#



#60
 Dibromochloromethane
 Concen: 67.24 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001896.D
 Acq: 22 May 2018 16:30

Tgt Ion:	129	Resp:	257146
Ion	Ratio	Lower	Upper
129	100		
127	0.1	38.7	116.1#

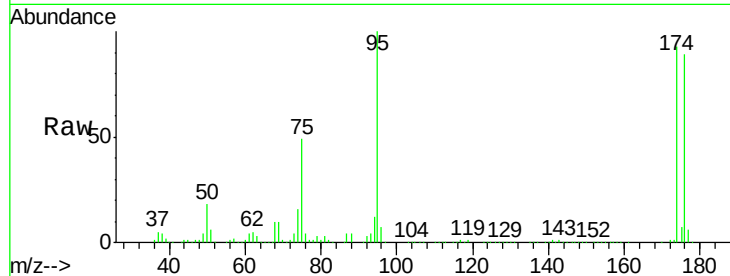




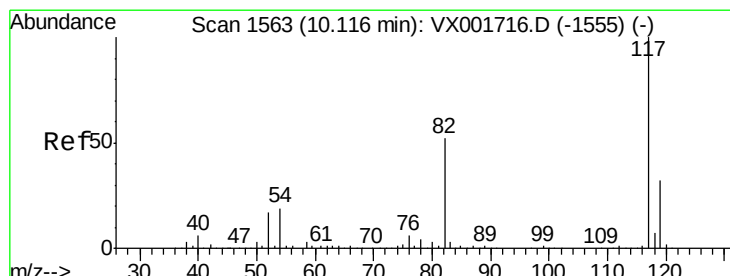
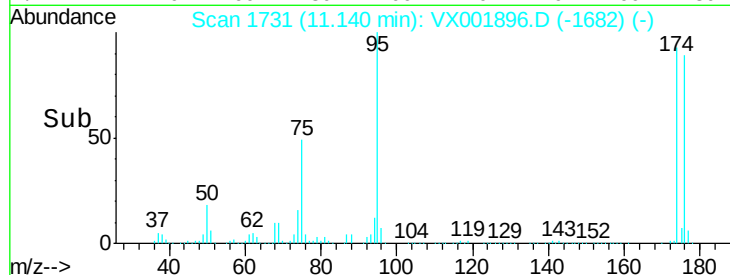
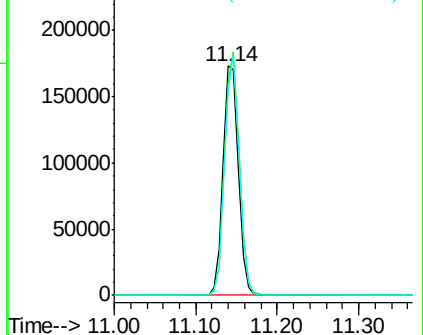
#62
4-Bromofluorobenzene
Concen: 46.54 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001896.D
Acq: 22 May 2018 16:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 227019
Ion Ratio Lower Upper
95 100
174 101.8 0.0 201.8
176 98.9 0.0 196.8

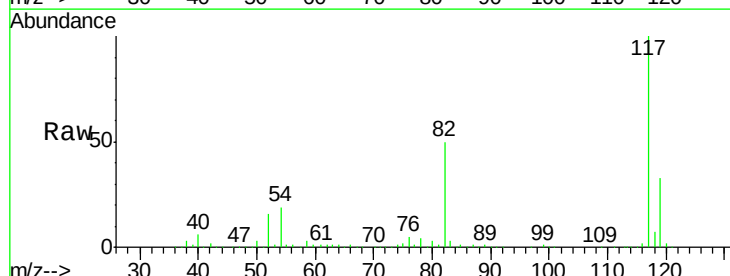


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

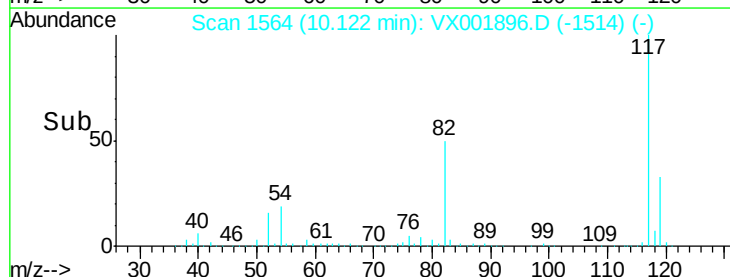
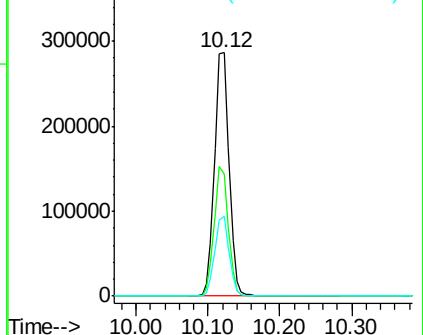


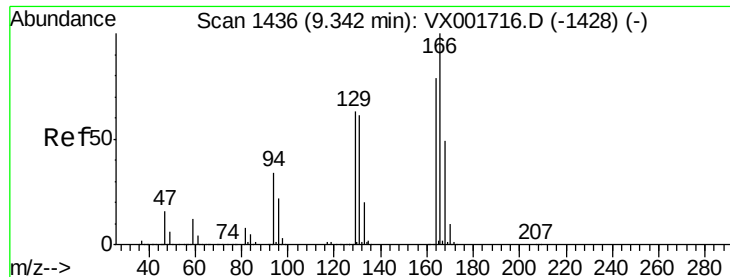
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001896.D
Acq: 22 May 2018 16:30

Tgt Ion: 117 Resp: 400744
Ion Ratio Lower Upper
117 100
82 50.0 41.4 62.2
119 32.7 25.6 38.4



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





#64

Tetrachloroethene

Concen: 59.35 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001896.D

Acq: 22 May 2018 16:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 309602

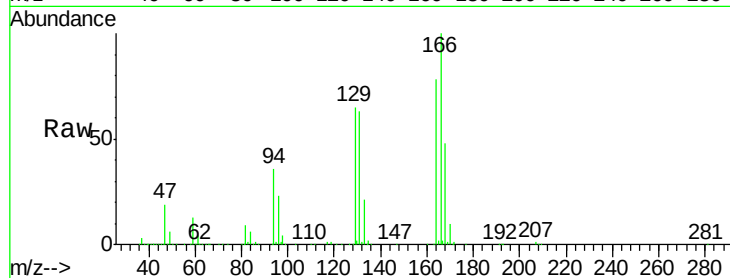
Ion Ratio Lower Upper

164 100

166 127.4 101.8 152.8

129 82.3 63.8 95.6

131 79.9 62.2 93.2

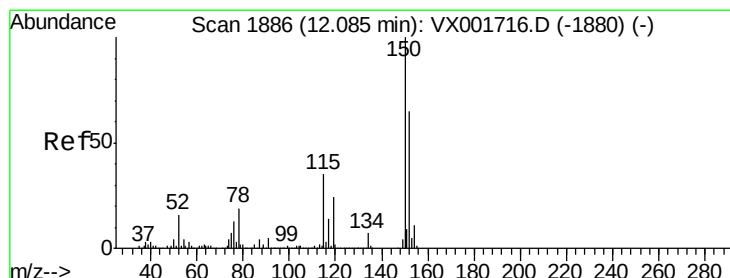
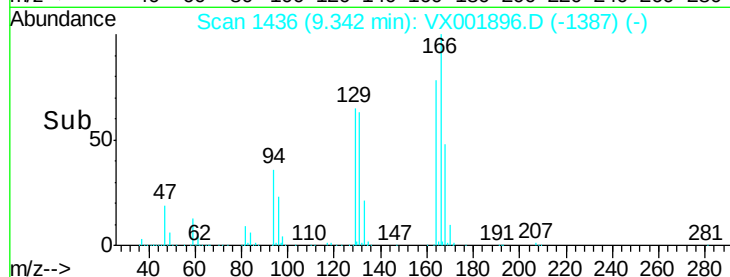
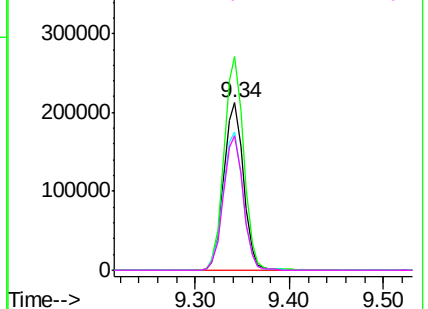


Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001896.D

Acq: 22 May 2018 16:30

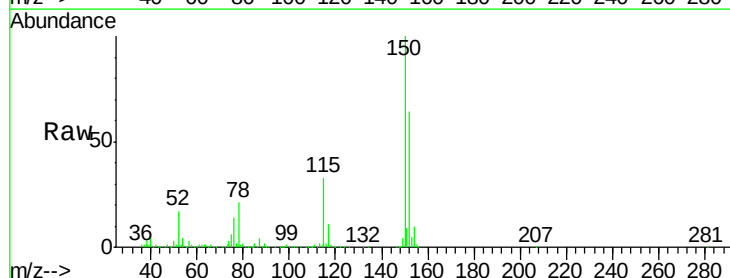
Tgt Ion:152 Resp: 217911

Ion Ratio Lower Upper

152 100

115 51.8 37.4 112.2

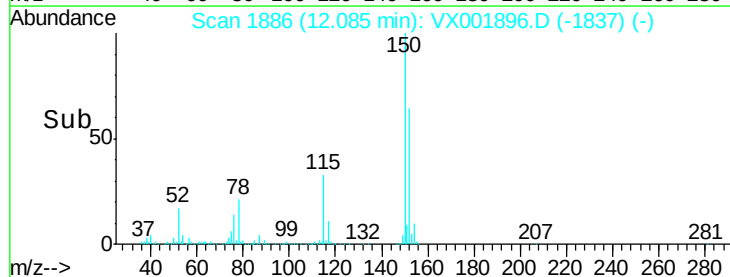
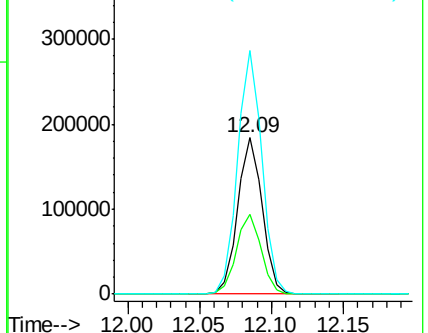
150 155.4 0.0 344.8

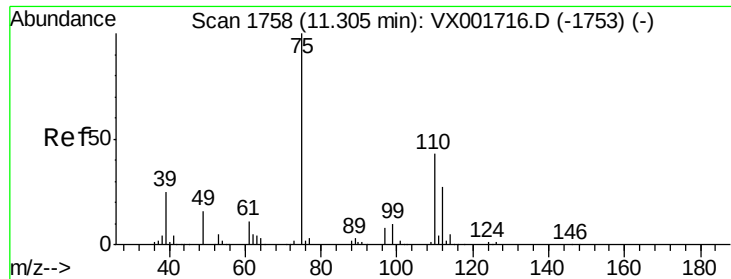


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001896.D

Acq: 22 May 2018 16:30

Instrument :

MSVOA_X

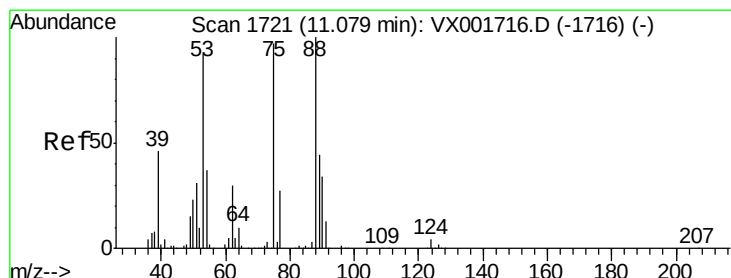
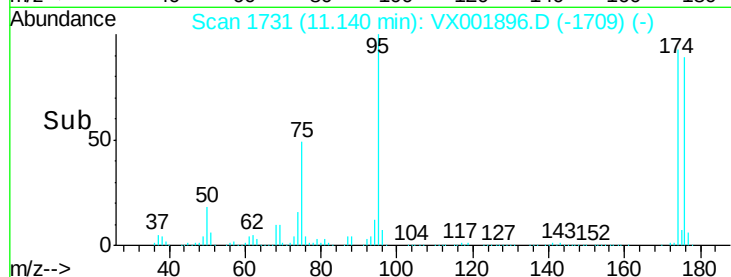
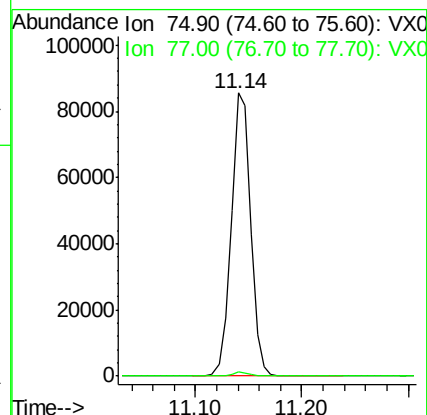
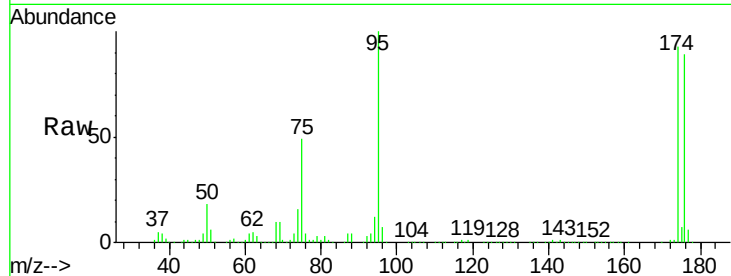
ClientSampled :

Tot Ion: 75 Resp: 109366

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.76 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001896.D

Acq: 22 May 2018 16:30

Tgt Ion: 75 Resp: 109366

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#

