

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011684.D
 Acq On : 20 Aug 2019 15:01
 Operator : JC/SP
 Sample : K4397-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Aug 20 23:23:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	385279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	548599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	482347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	234331	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	203275	56.89	ug/l	0.00
Spiked Amount			Recovery	=	113.78%	
35) Dibromofluoromethane	5.49	113	161590	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	
50) Toluene-d8	8.71	98	629913	56.34	ug/l	0.00
Spiked Amount			Recovery	=	112.68%	
62) 4-Bromofluorobenzene	11.13	95	217585	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	

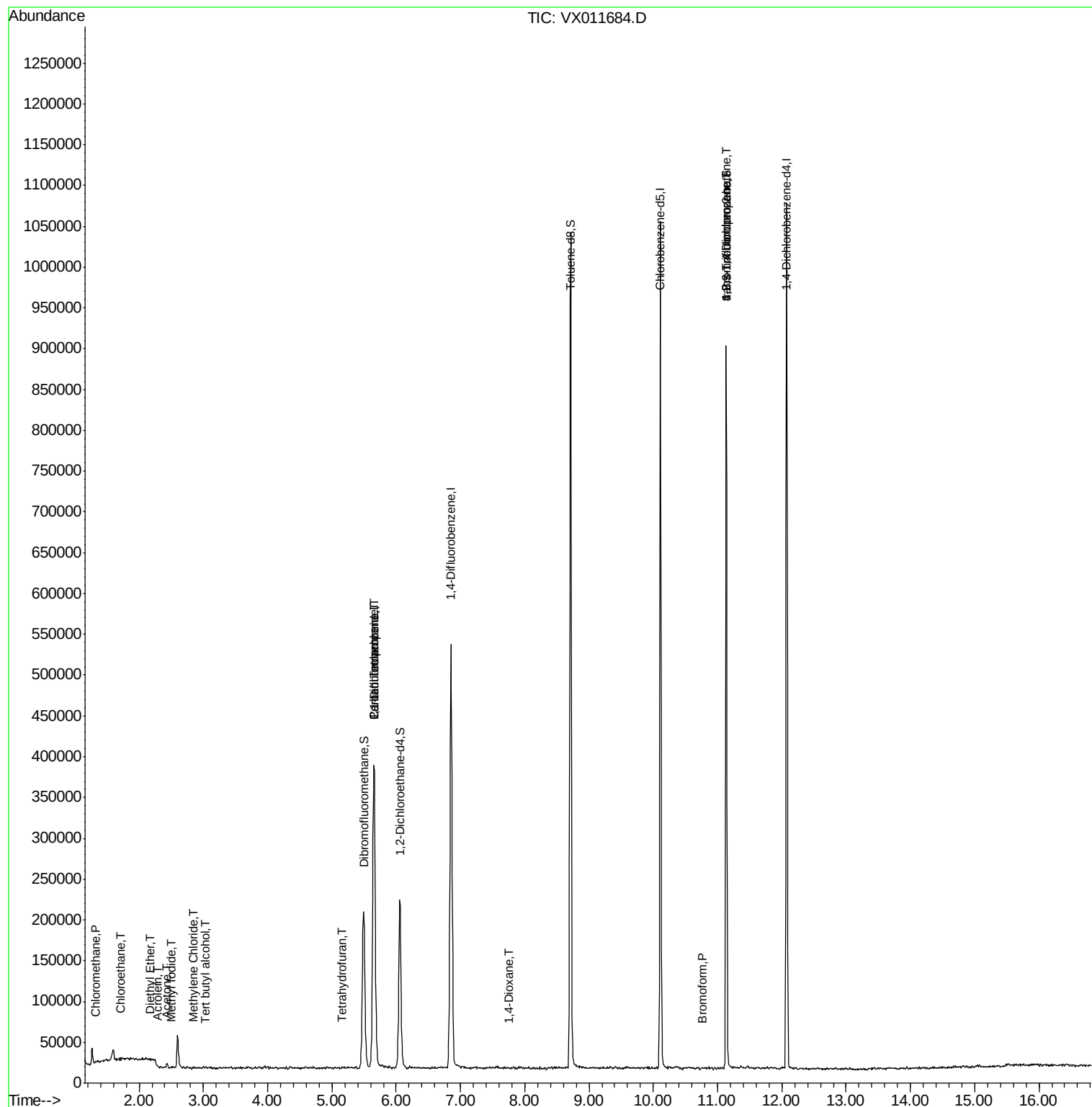
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1355	0.344	ug/l	94
6) Chloroethane	1.71	64	812	0.483	ug/l #	85
8) Diethyl Ether	2.17	74	540	0.320	ug/l	75
10) Methyl Iodide	2.51	142	1471	0.304	ug/l #	84
11) Tert butyl alcohol	3.03	59	1117	1.274	ug/l #	75
13) Acrolein	2.29	56	218	12.953	ug/l	86
16) Acetone	2.43	43	7100	3.952	ug/l #	83
20) Methylene Chloride	2.85	84	963	0.255	ug/l #	36
29) Tetrahydrofuran	5.17	42	723	0.391	ug/l #	51
36) 1,1-Dichloropropene	5.65	75	23631	5.038	ug/l #	52
38) Carbon Tetrachloride	5.65	117	35163	6.804	ug/l #	16
49) 1,4-Dioxane	7.76	88	133	1.199	ug/l #	1
71) Bromoform	10.76	173	98	3.316	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	105002	23.631	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	105002	62.757	ug/l #	11

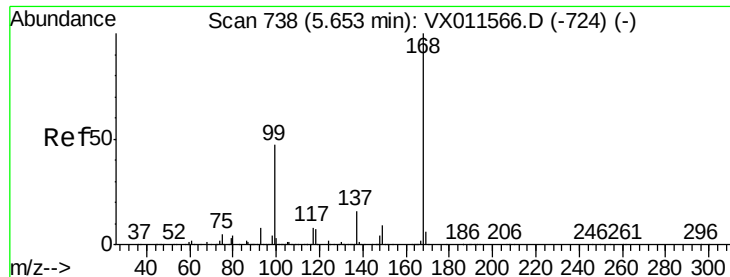
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
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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: VX011684.D

Acq: 20 Aug 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

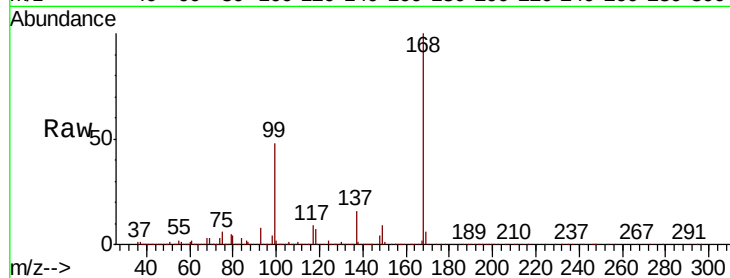
STORAGE-BLANK-WATER-REF-4

Tgt Ion:168 Resp: 385279

Ion Ratio Lower Upper

168 100

99 48.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

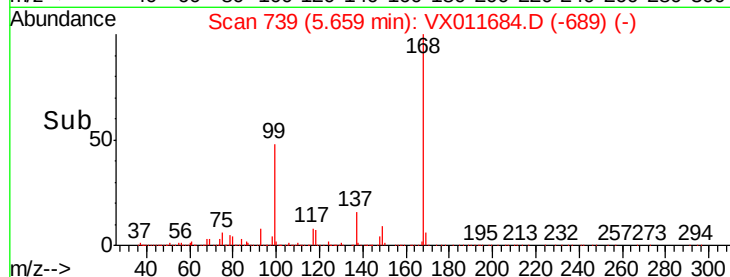
150000

100000

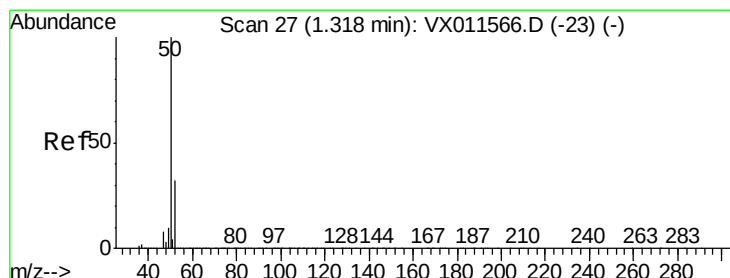
50000

0

5.50 5.60 5.70 5.80



Time-->



#3

Chloromethane

Concen: 0.344 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011684.D

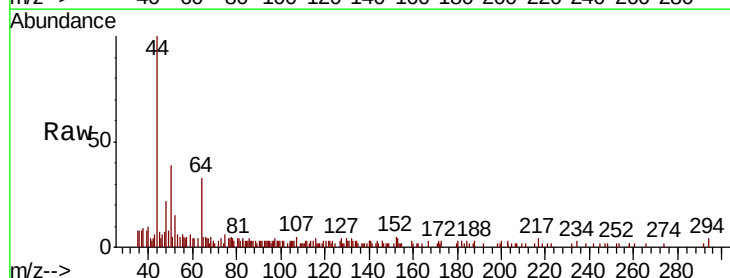
Acq: 20 Aug 2019 15:01

Tgt Ion: 50 Resp: 1355

Ion Ratio Lower Upper

50 100

52 29.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

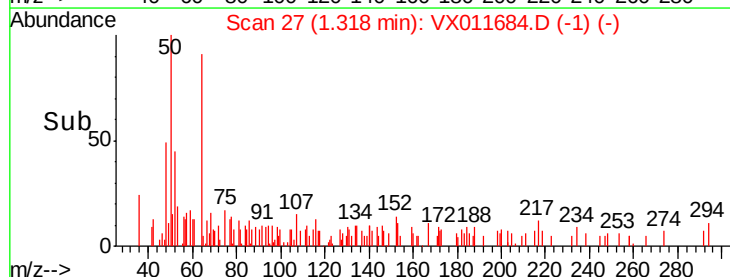
1500

1000

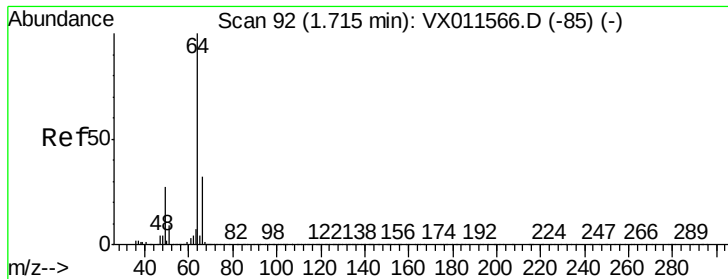
500

0

1.30 1.35



Time-->



#6

Chloroethane

Concen: 0.483 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011684.D

Acq: 20 Aug 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

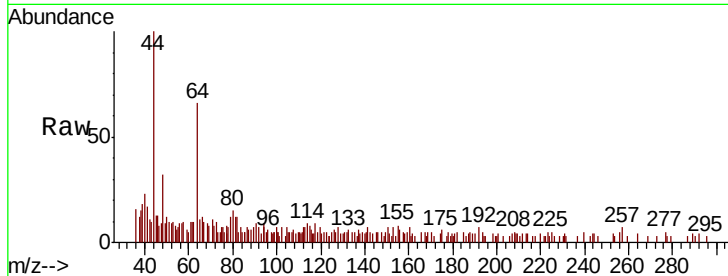
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 64 Resp: 812

Ion Ratio Lower Upper

64 100

66 23.6 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

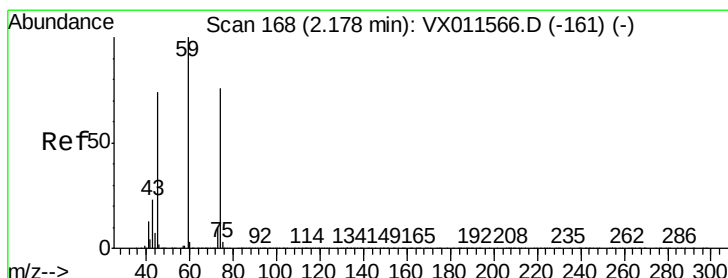
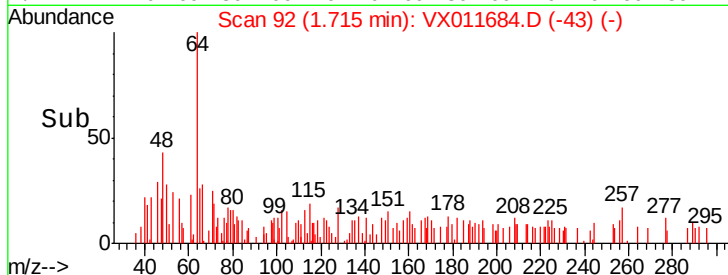
1500

1000

500

0

Time--> 1.68 1.70 1.72 1.74



#8

Diethyl Ether

Concen: 0.320 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.01 min

Lab File: VX011684.D

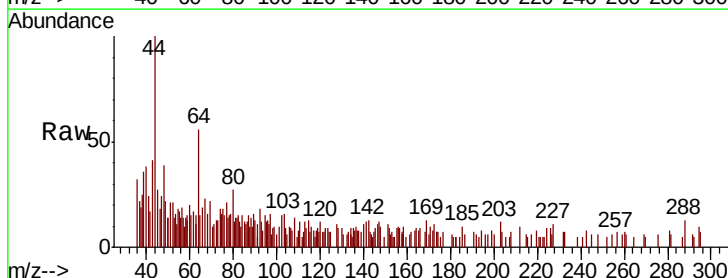
Acq: 20 Aug 2019 15:01

Tgt Ion: 74 Resp: 540

Ion Ratio Lower Upper

74 100

45 72.0 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

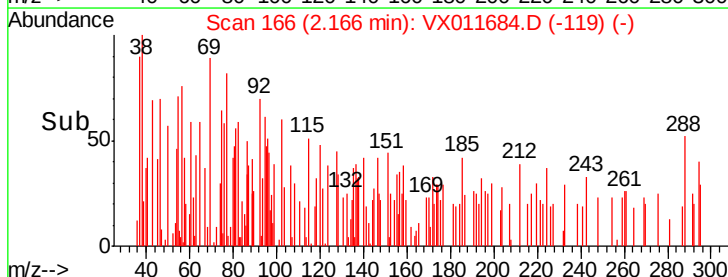
Ion 45.00 (44.70 to 45.70): VX0

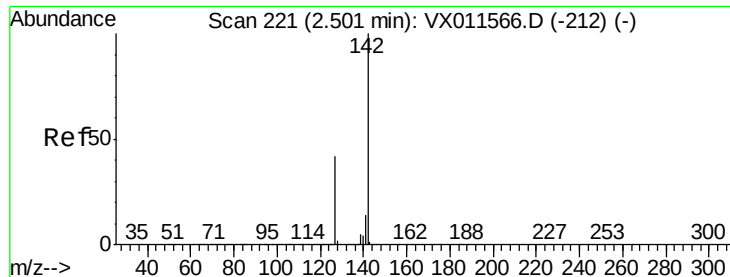
1000

500

0

Time--> 2.12 2.14 2.16 2.18

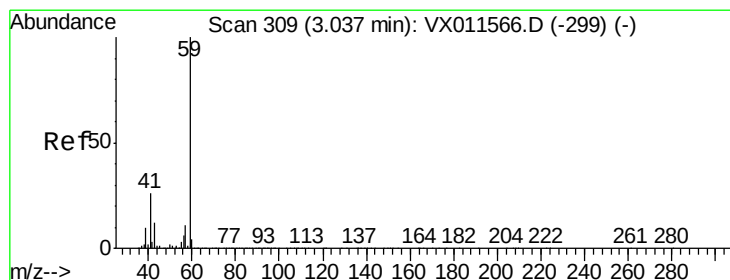
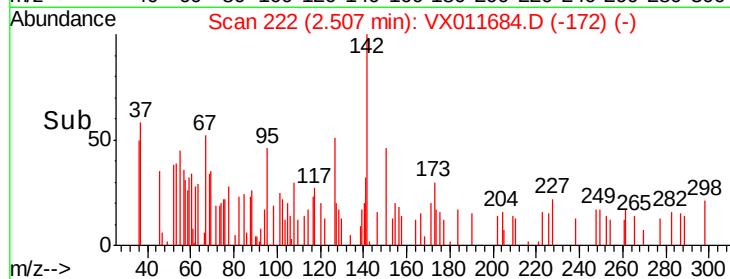
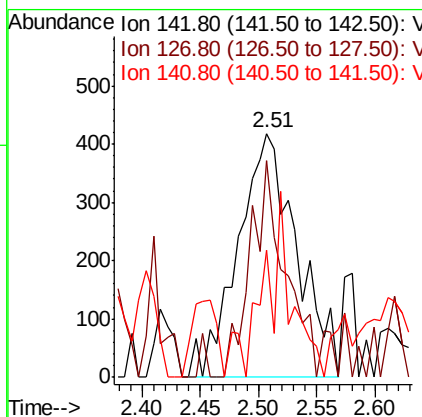
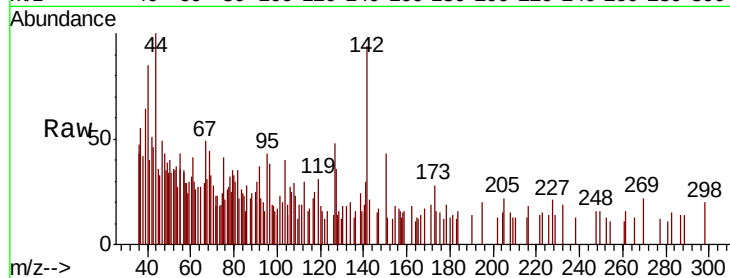




#10
Methyl Iodide
Concen: 0.304 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.01 min
Lab File: VX011684.D
Acq: 20 Aug 2019 15:01

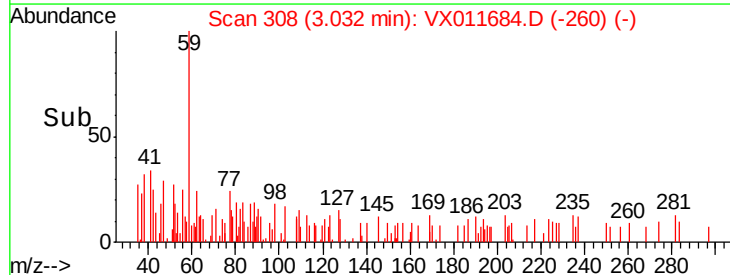
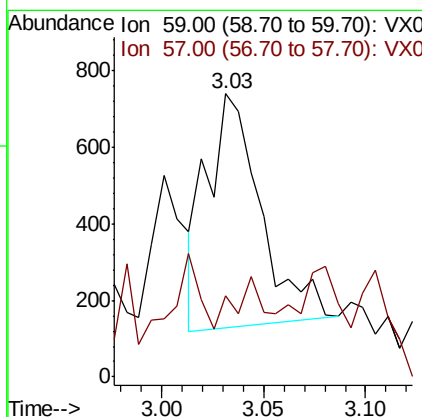
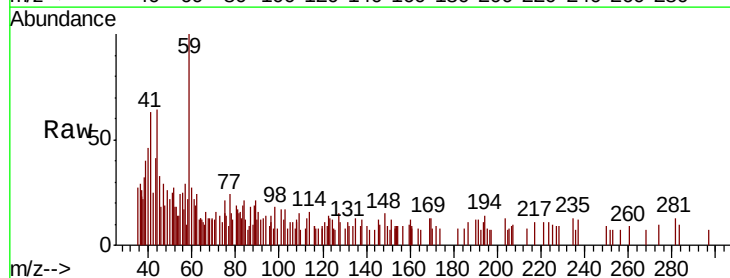
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

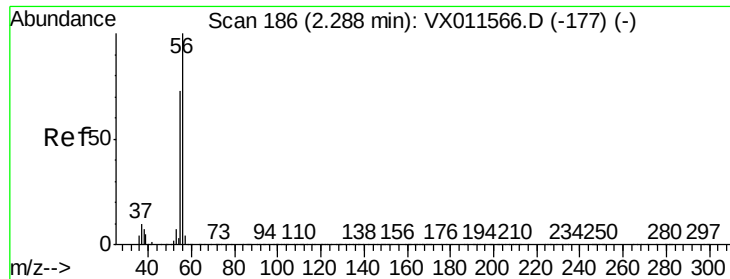
Tgt Ion:142 Resp: 1471
Ion Ratio Lower Upper
142 100
127 52.8 32.8 49.2#
141 17.3 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.274 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011684.D
Acq: 20 Aug 2019 15:01

Tgt Ion: 59 Resp: 1117
Ion Ratio Lower Upper
59 100
57 20.4 8.7 13.1#

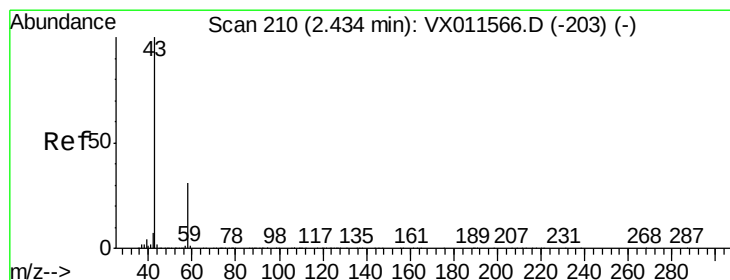
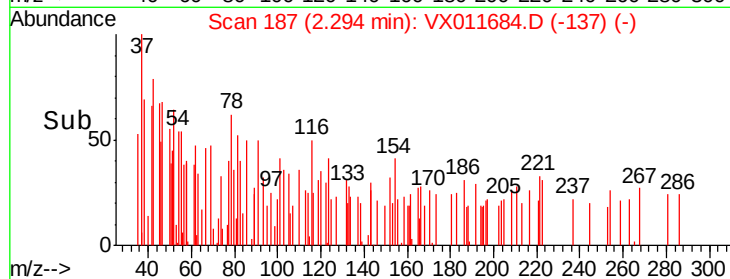
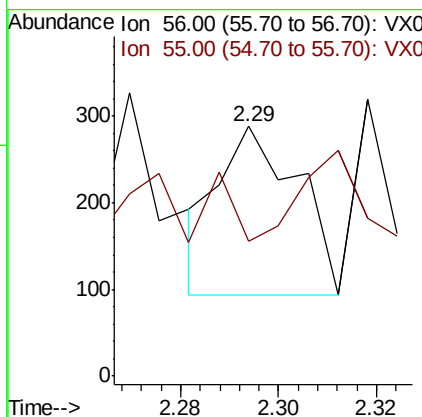
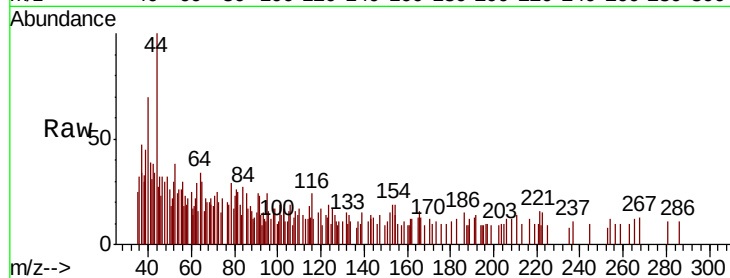




#13
Acrolein
Concen: 12.953 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.01 min
Lab File: VX011684.D
Acq: 20 Aug 2019 15:01

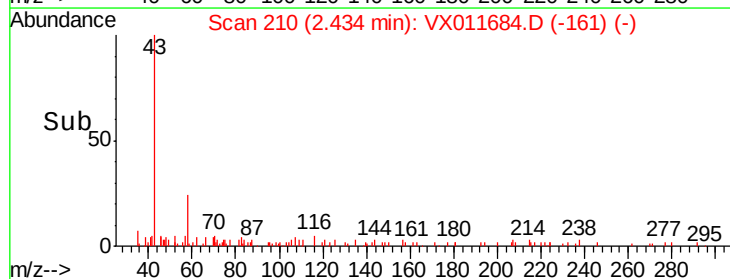
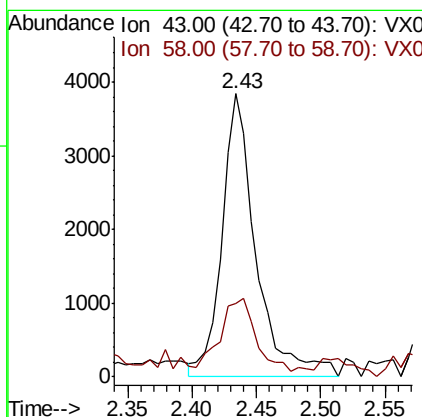
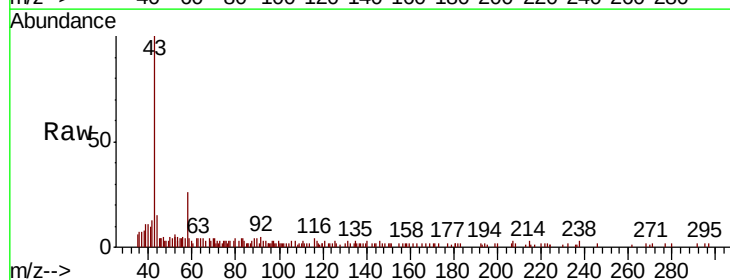
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

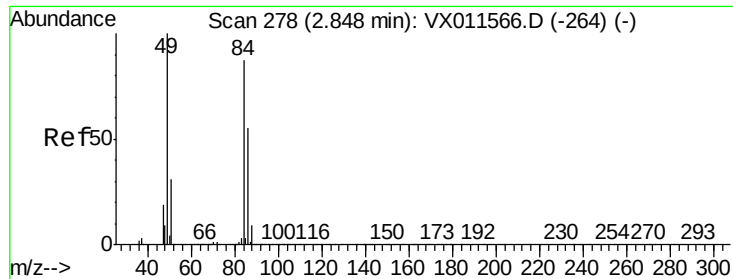
Tgt Ion: 56 Resp: 218
Ion Ratio Lower Upper
56 100
55 80.7 55.5 83.3



#16
Acetone
Concen: 3.952 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011684.D
Acq: 20 Aug 2019 15:01

Tgt Ion: 43 Resp: 7100
Ion Ratio Lower Upper
43 100
58 22.3 25.2 37.8#

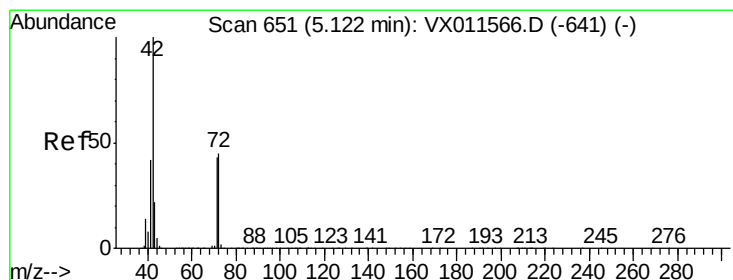
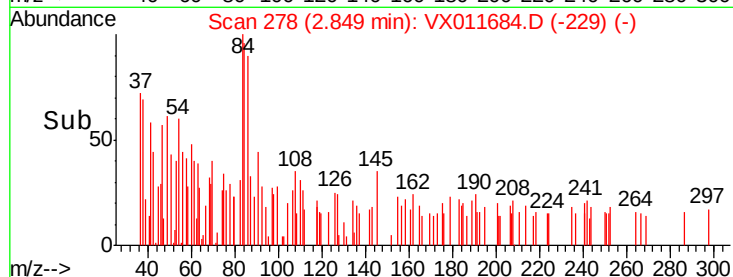
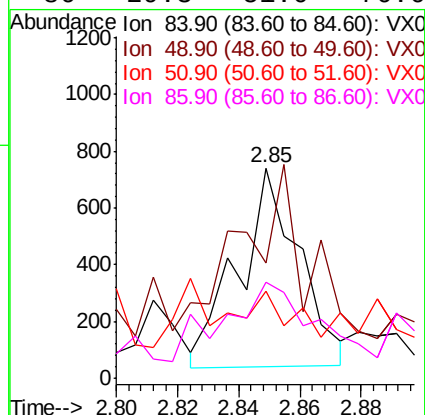
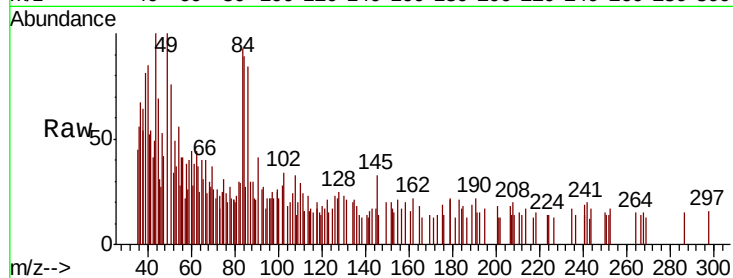




#20
Methylene Chloride
Concen: 0.255 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011684.D
Acq: 20 Aug 2019 15:01

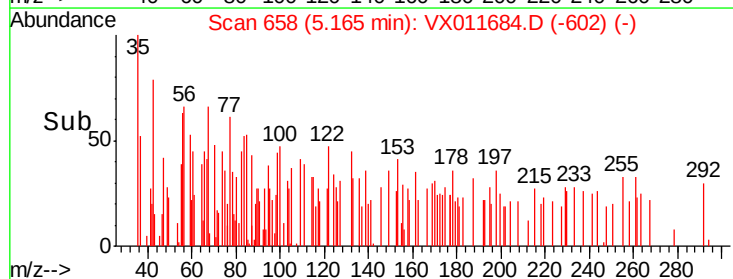
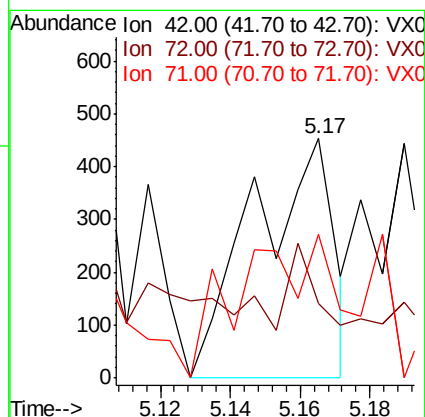
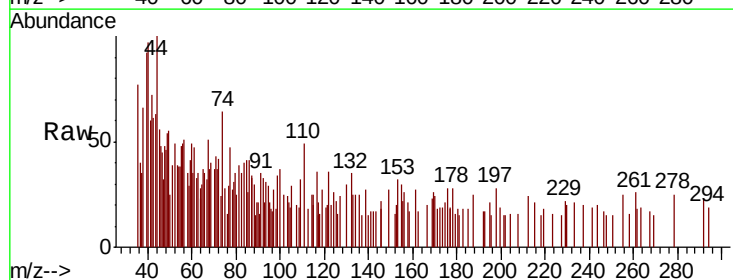
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

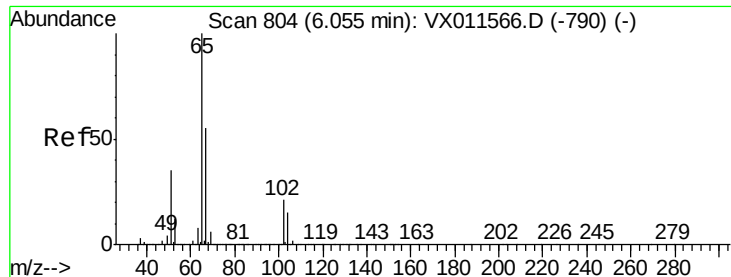
Tgt Ion:	84	Resp:	963
Ion	Ratio	Lower	Upper
84	100		
49	26.8	92.4	138.6#
51	12.0	28.5	42.7#
86	29.3	51.0	76.6#



#29
Tetrahydrofuran
Concen: 0.391 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.04 min
Lab File: VX011684.D
Acq: 20 Aug 2019 15:01

Tgt Ion:	42	Resp:	723
Ion	Ratio	Lower	Upper
42	100		
72	13.3	36.1	54.1#
71	73.3	33.8	50.8#

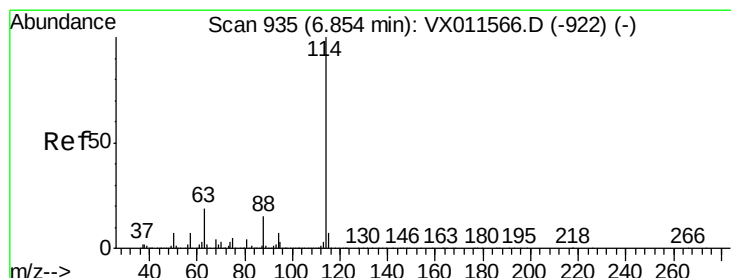
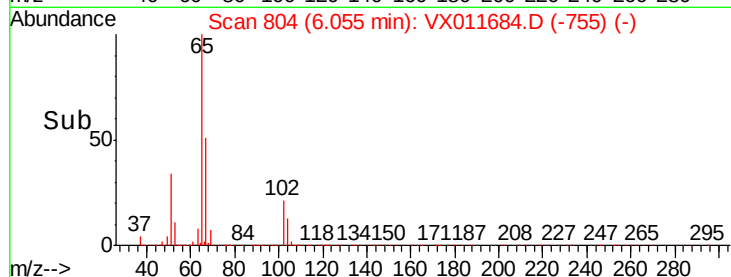
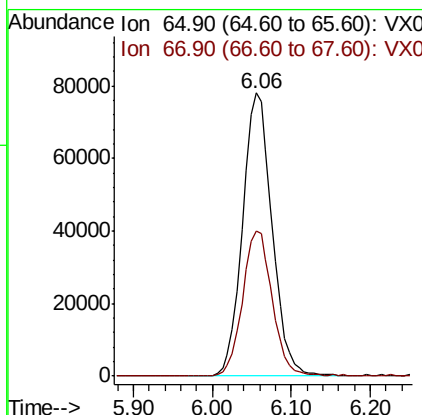
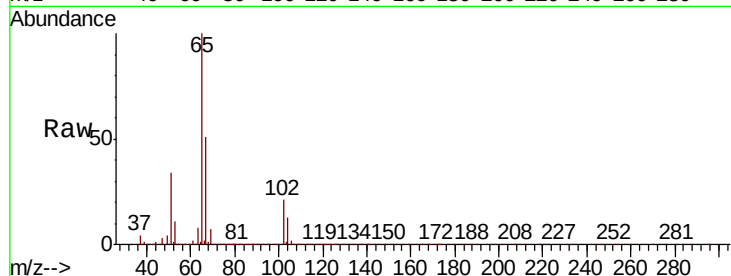




#33
 1,2-Dichloroethane-d4
 Concen: 56.893 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011684.D
 Acq: 20 Aug 2019 15:01

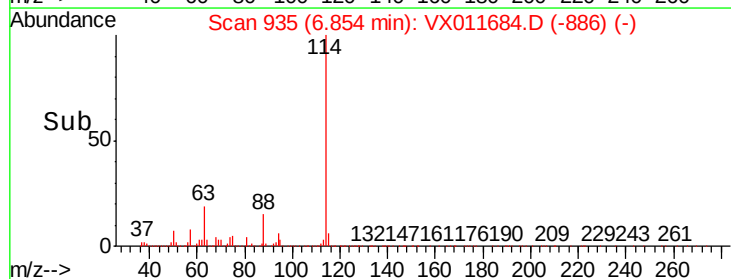
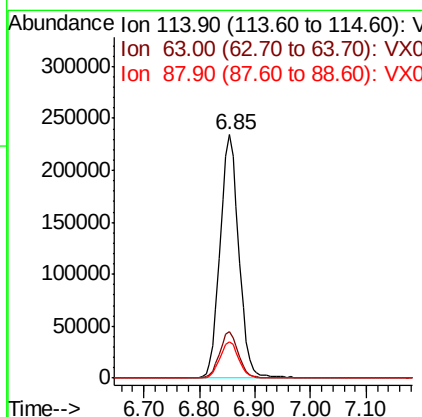
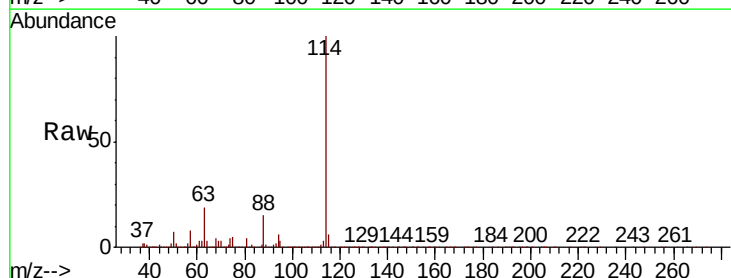
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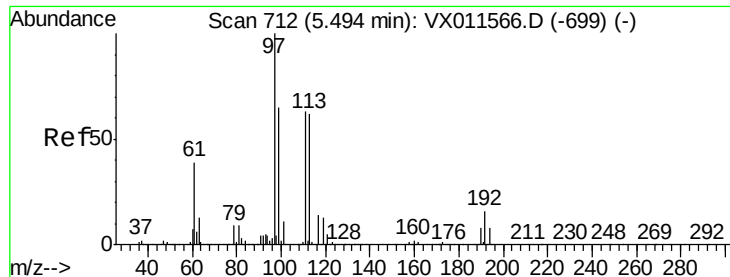
Tgt Ion: 65 Resp: 203275
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011684.D
 Acq: 20 Aug 2019 15:01

Tgt Ion: 114 Resp: 548599
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.8
 88 15.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 45.034 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011684.D

Acq: 20 Aug 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

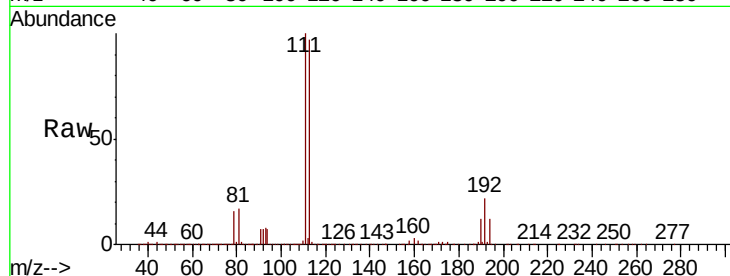
Tgt Ion:113 Resp: 161590

Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

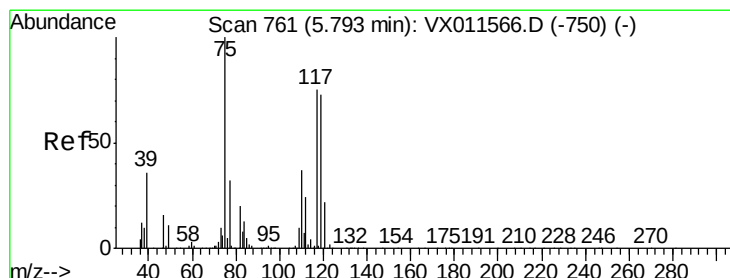
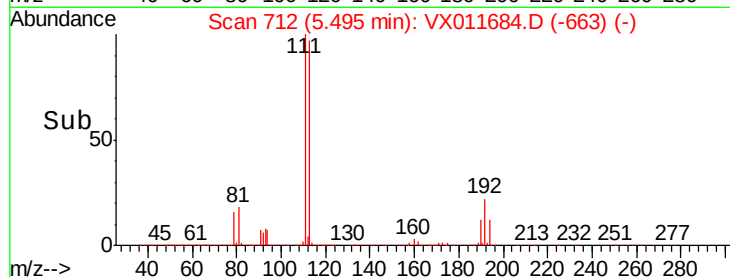
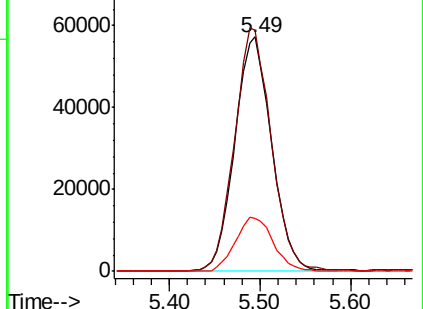
192 23.6 20.8 31.2



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: 5.038 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011684.D

Acq: 20 Aug 2019 15:01

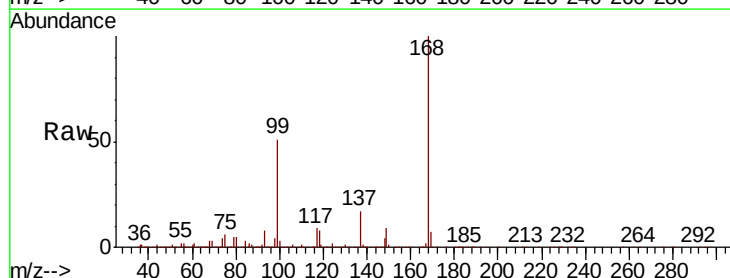
Tgt Ion: 75 Resp: 23631

Ion Ratio Lower Upper

75 100

110 13.0 19.4 58.1#

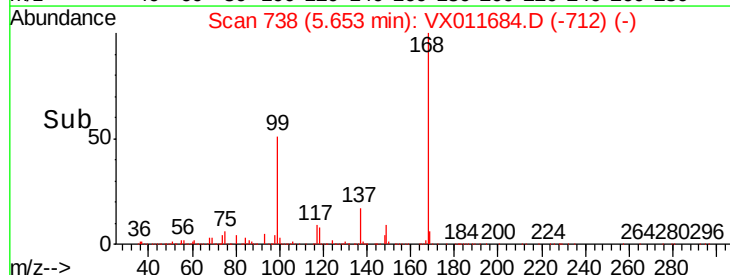
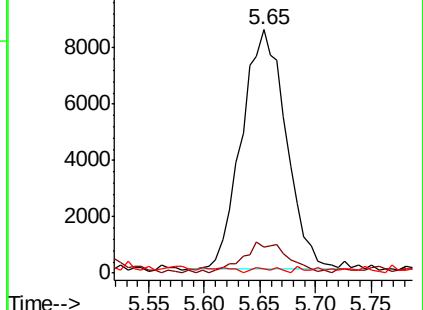
77 1.4 25.1 37.7#

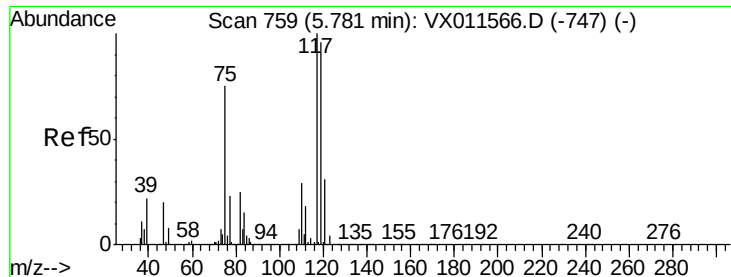


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.804 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011684.D

Acq: 20 Aug 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

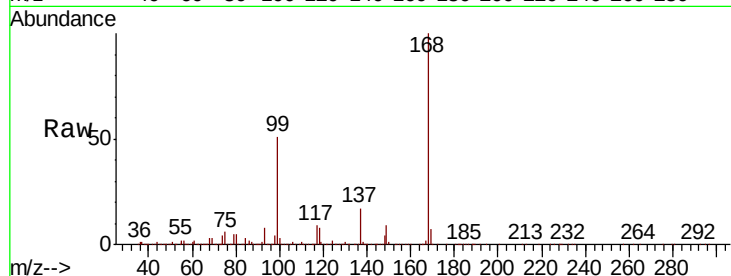
Tgt Ion: 117 Resp: 35163

Ion Ratio Lower Upper

117 100

119 5.1 76.9 115.3#

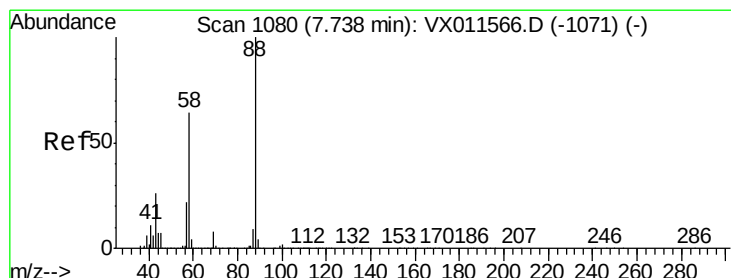
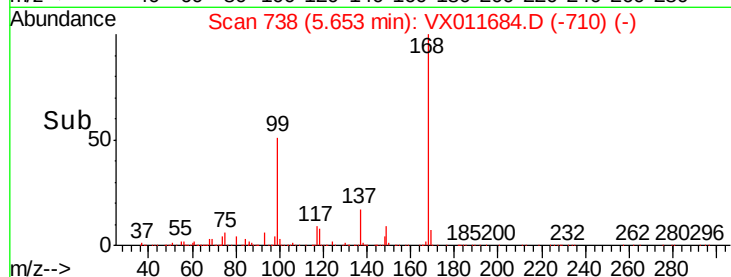
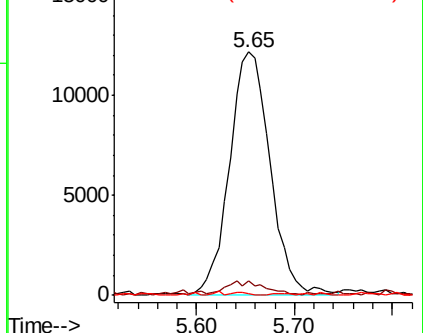
121 0.7 24.8 37.2#



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



#49

1,4-Dioxane

Concen: 1.199 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX011684.D

Acq: 20 Aug 2019 15:01

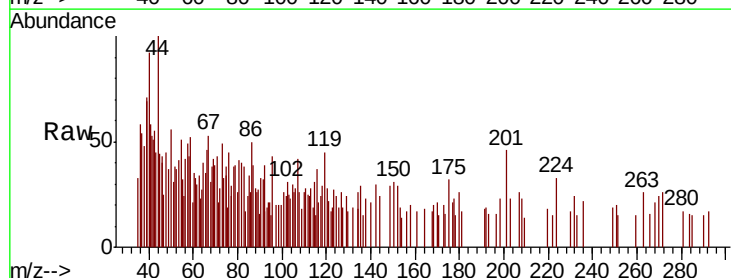
Tgt Ion: 88 Resp: 133

Ion Ratio Lower Upper

88 100

43 112.0 23.4 35.0#

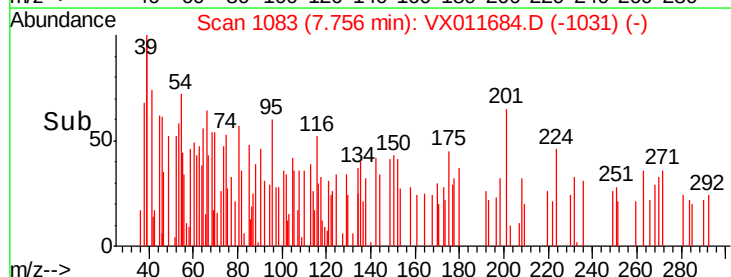
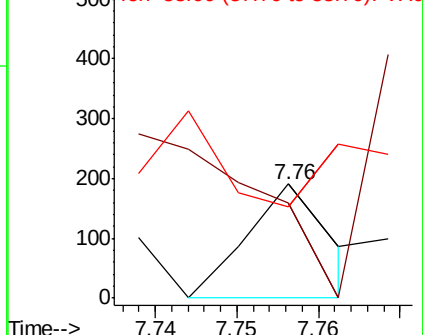
58 0.0 54.3 81.5#

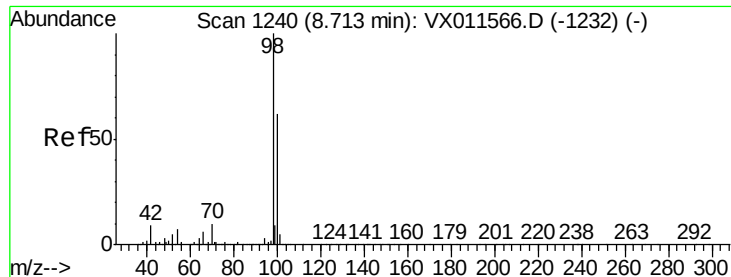


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

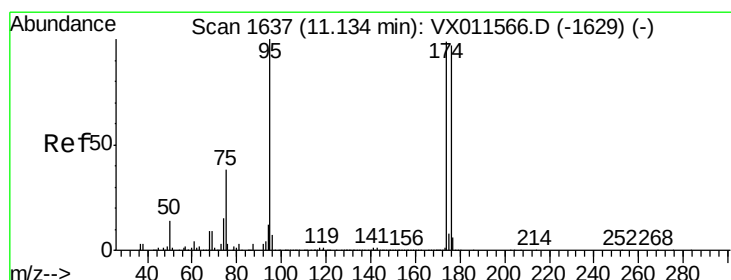
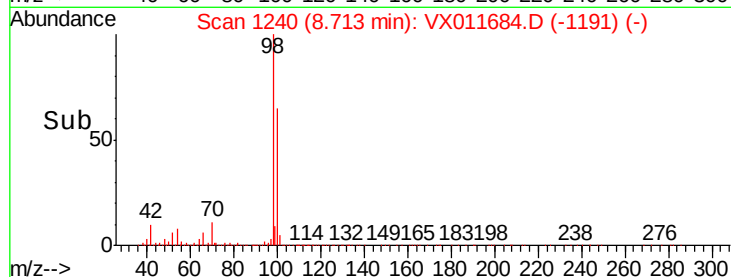
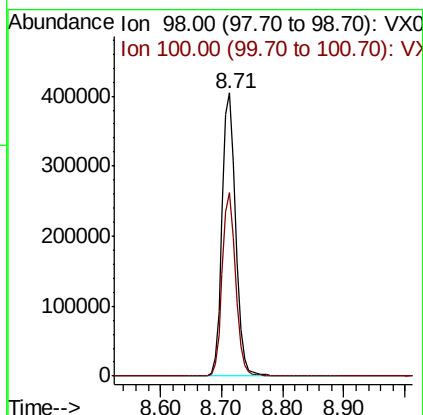
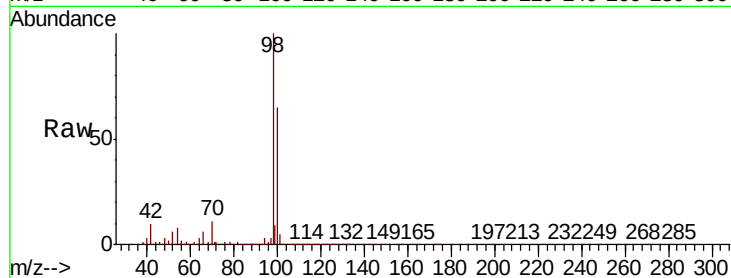




#50
Toluene-d8
Concen: 56.341 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011684.D
Acq: 20 Aug 2019 15:01

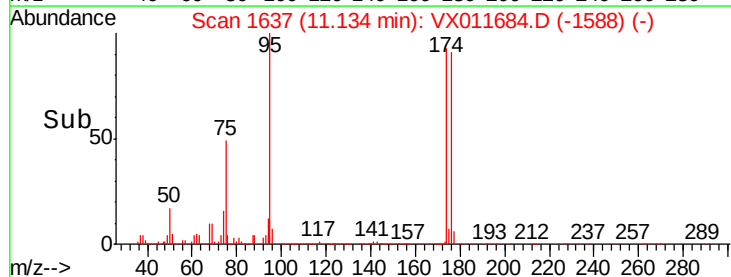
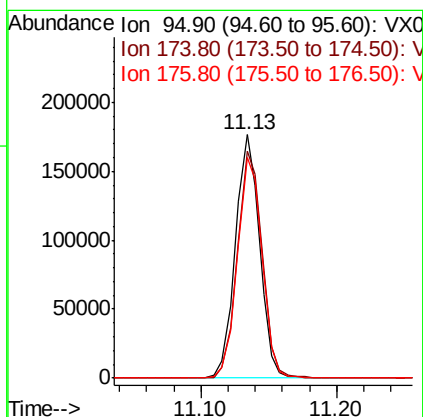
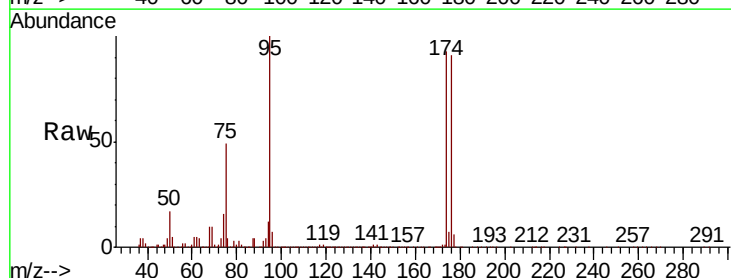
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

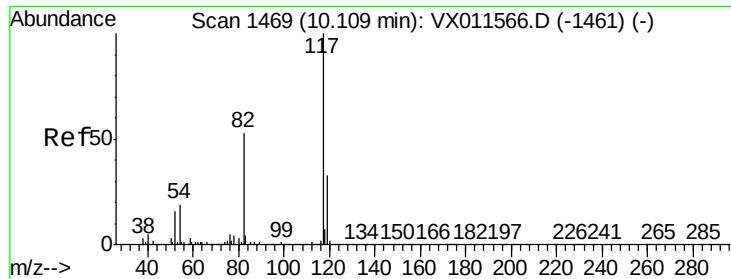
Tgt Ion: 98 Resp: 629913
Ion Ratio Lower Upper
98 100
100 64.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.108 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011684.D
Acq: 20 Aug 2019 15:01

Tgt Ion: 95 Resp: 217585
Ion Ratio Lower Upper
95 100
174 96.1 0.0 200.6
176 92.8 0.0 196.6

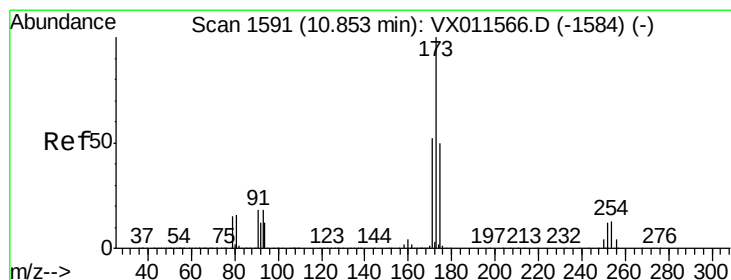
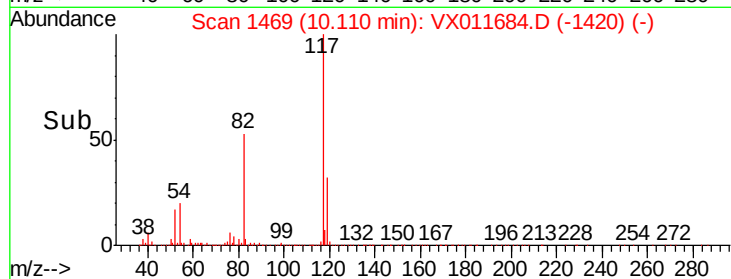
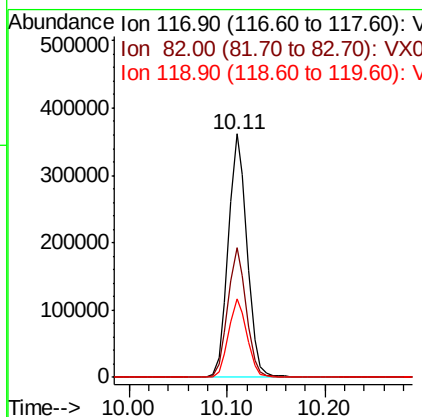
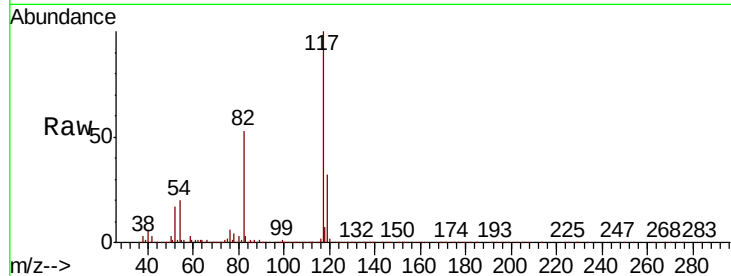




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011684.D
Acq: 20 Aug 2019 15:01

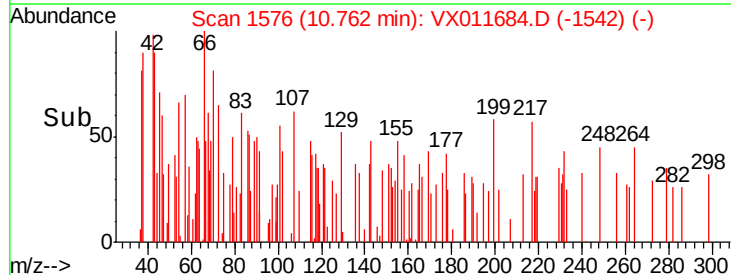
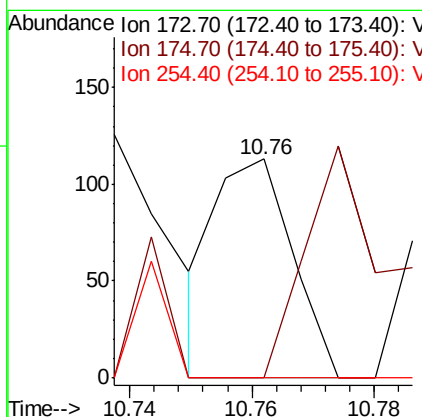
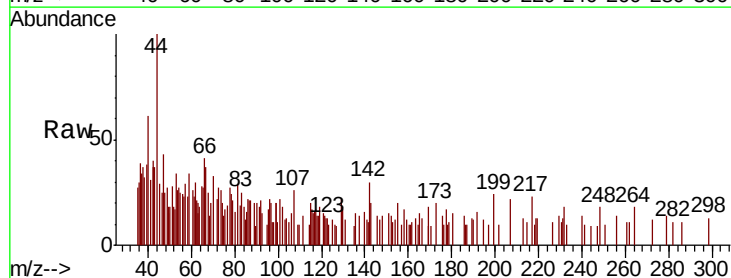
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

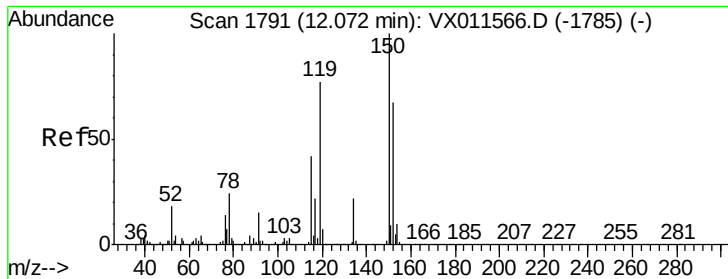
Tgt Ion:117 Resp: 482347
Ion Ratio Lower Upper
117 100
82 53.1 42.0 63.0
119 32.1 26.5 39.7



#71
Bromoform
Concen: 3.316 ug/l
RT: 10.76 min Scan# 1576
Delta R.T. -0.09 min
Lab File: VX011684.D
Acq: 20 Aug 2019 15:01

Tgt Ion:173 Resp: 98
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.1 0.1#

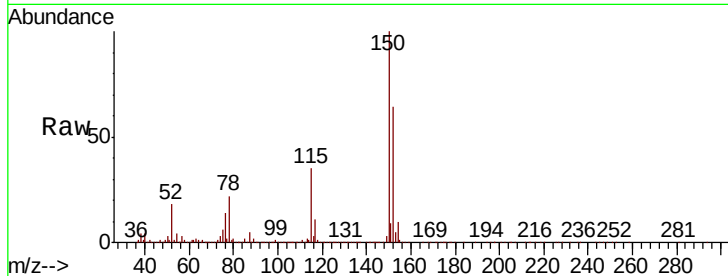




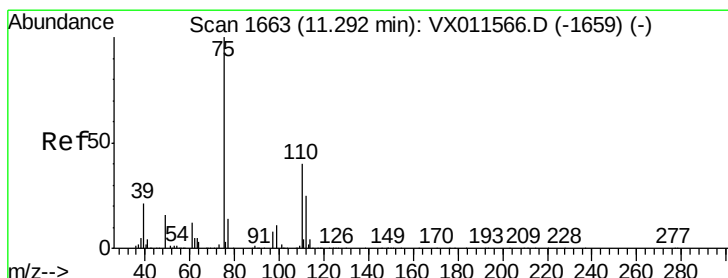
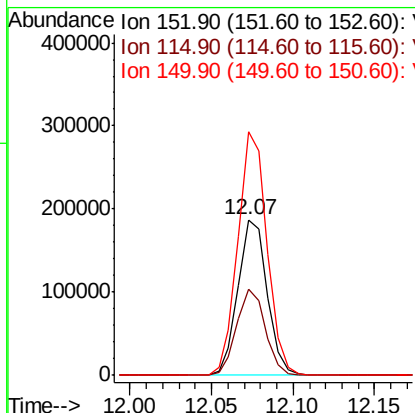
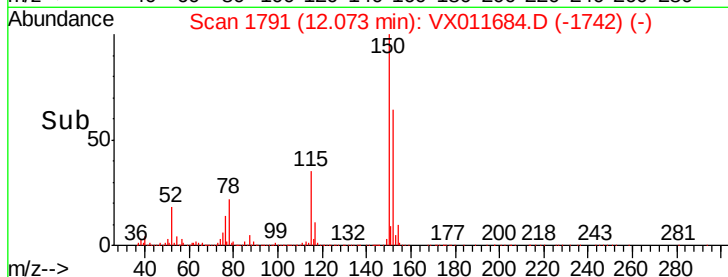
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011684.D
 Acq: 20 Aug 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	37.3	111.9
150	155.8	0.0	346.2

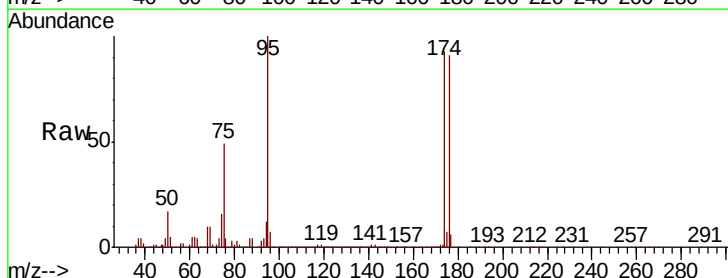


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

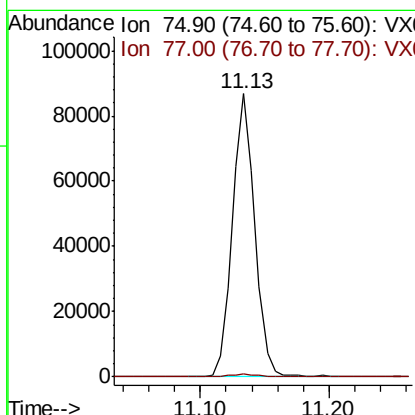
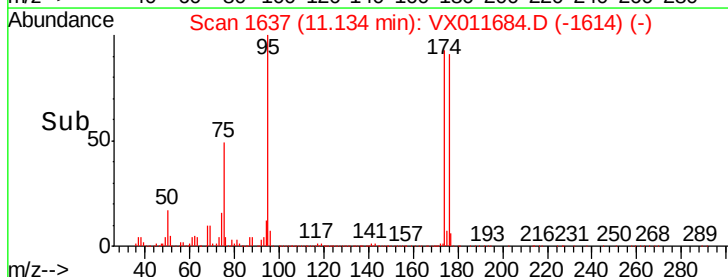


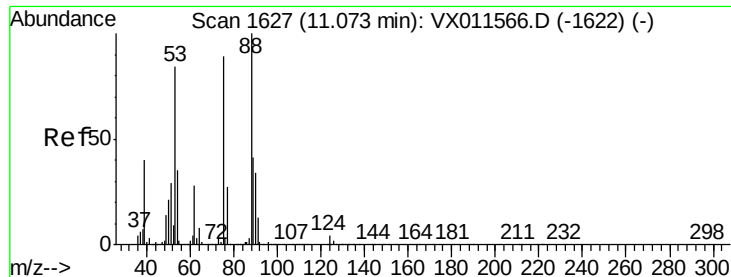
#76
 1,2,3-Trichloropropane
 Concen: 23.631 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011684.D
 Acq: 20 Aug 2019 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	20.9	62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.757 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011684.D
 Acq: 20 Aug 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 105002
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.4 116.0#
 89 0.0 37.3 55.9#

