

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
 Data File : VX006757.D
 Acq On : 22 Dec 2018 07:05
 Operator : JC/MD
 Sample : J6496-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WATER-1

Quant Time: Dec 22 09:35:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

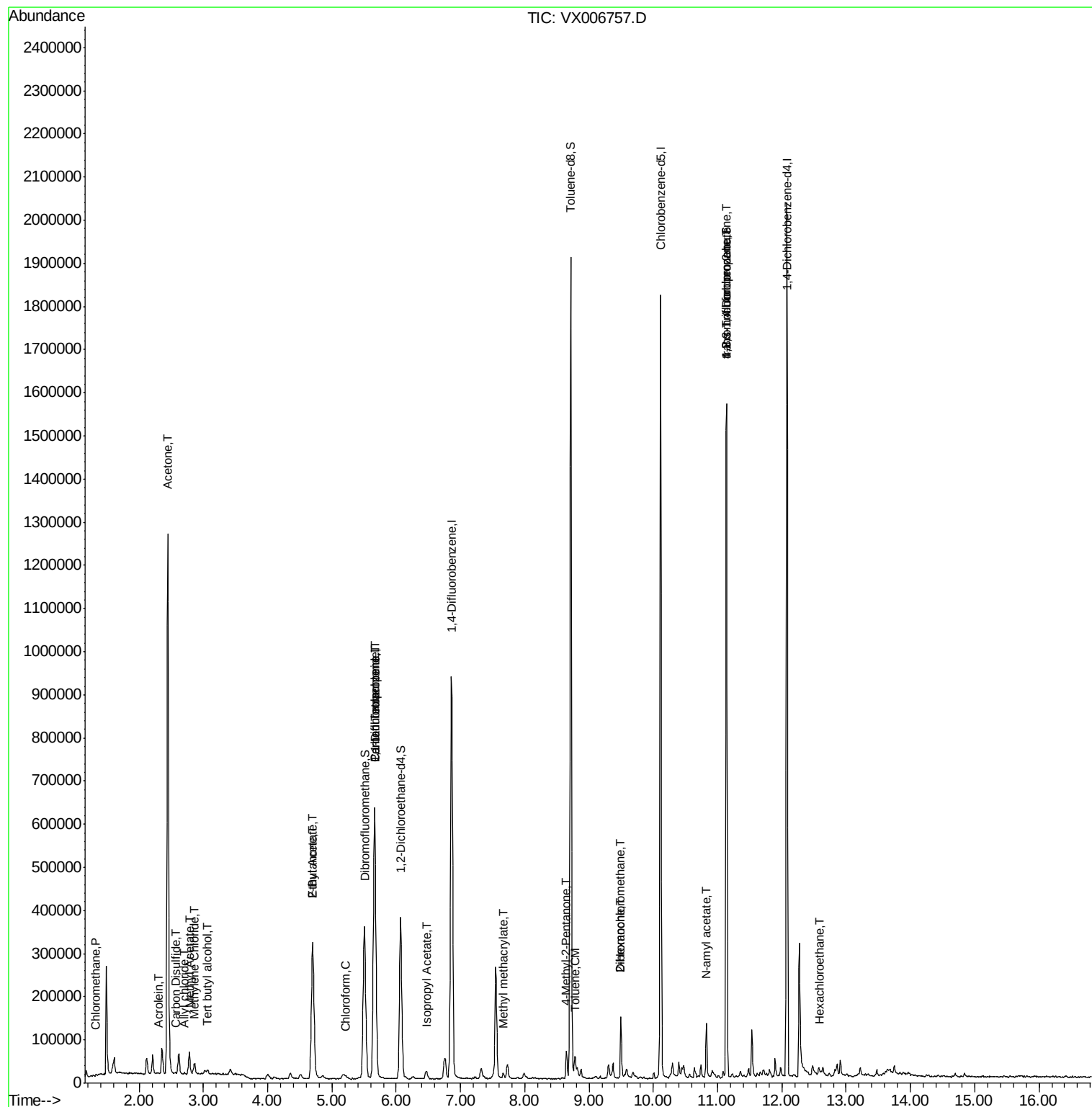
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	636659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	997829	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	893599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	422706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	350731	51.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.22%	
35) Dibromofluoromethane	5.51	113	302029	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
50) Toluene-d8	8.71	98	1169764	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.14	95	411120	47.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.38%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	2584	0.412	ug/l	89
5) Bromomethane	1.65	94	577	Below Cal	#	31
11) Tert butyl alcohol	3.07	59	16354	10.680	ug/l	98
13) Acrolein	2.30	56	2586	2.503	ug/l #	83
14) Allyl chloride	2.71	41	2699	0.282	ug/l #	34
16) Acetone	2.45	43	1322679	419.572	ug/l	100
17) Carbon Disulfide	2.57	76	3197	0.212	ug/l	98
18) Methyl Acetate	2.78	43	61563	6.641	ug/l	94
20) Methylene Chloride	2.87	84	12526	1.922	ug/l	94
25) 2-Butanone	4.70	43	567822	128.052	ug/l	99
28) Bromochloromethane	5.04	49	364	Below Cal	#	12
30) Chloroform	5.22	83	6169	0.570	ug/l	100
36) 1,1-Dichloropropene	5.66	75	41109	4.974	ug/l #	49
37) Ethyl Acetate	4.70	43	566926	65.909	ug/l #	66
38) Carbon Tetrachloride	5.66	117	59700	7.433	ug/l #	15
43) Isopropyl Acetate	6.47	43	9383	0.717	ug/l #	75
48) Methyl methacrylate	7.66	41	3025	0.455	ug/l #	45
49) 1,4-Dioxane	7.75	88	157	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.65	43	40809	4.901	ug/l	97
52) Toluene	8.79	92	4365	0.269	ug/l	97
59) 2-Hexanone	9.49	43	78163	12.268	ug/l	100
60) Dibromochloromethane	9.49	129	61	2.333	ug/l	85
74) N-ethyl acetate	10.82	43	67270	6.499	ug/l #	45
76) 1,2,3-Trichloropropane	11.13	75	190818	24.291	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	190818	71.898	ug/l #	10
90) Hexachloroethane	12.58	117	90	3.314	ug/l	95

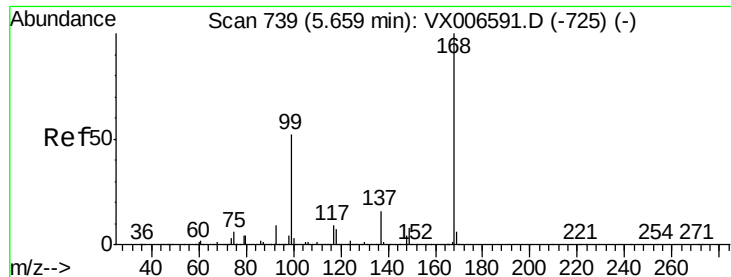
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WATER-1

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QLast Update : Wed Dec 19 15:20:58 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_X

ClientSampleId :

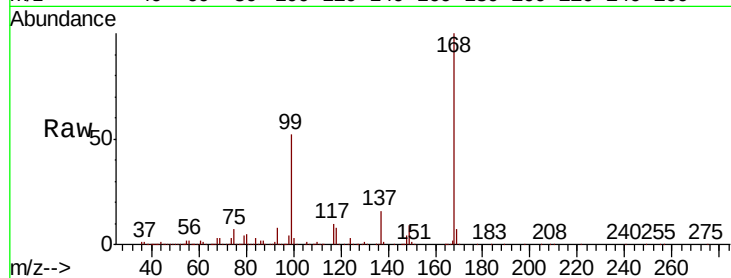
WATER-1

Tgt Ion:168 Resp: 636659

Ion Ratio Lower Upper

168 100

99 52.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

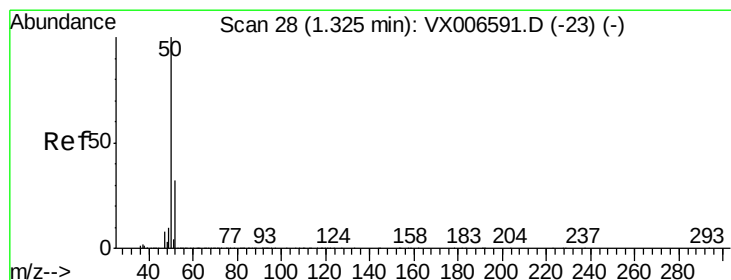
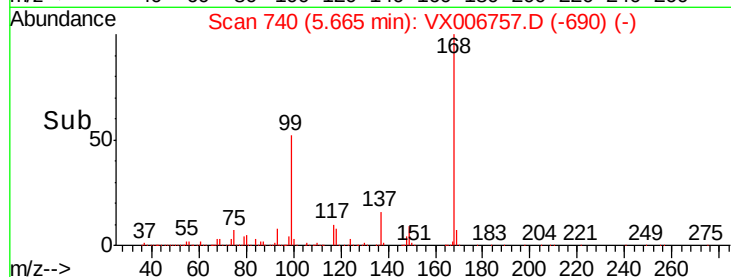
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.412 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006757.D

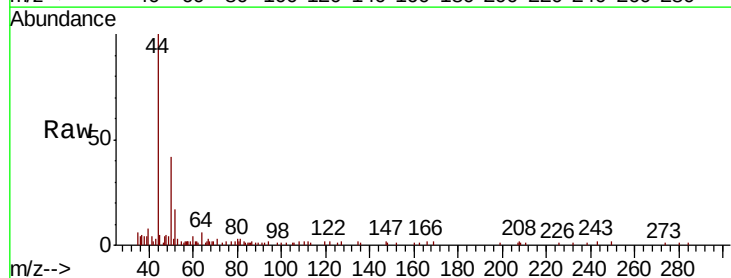
Acq: 22 Dec 2018 07:05

Tgt Ion: 50 Resp: 2584

Ion Ratio Lower Upper

50 100

52 37.9 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

3000

2500

2000

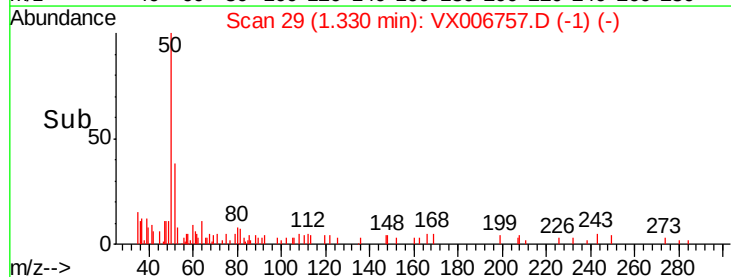
1500

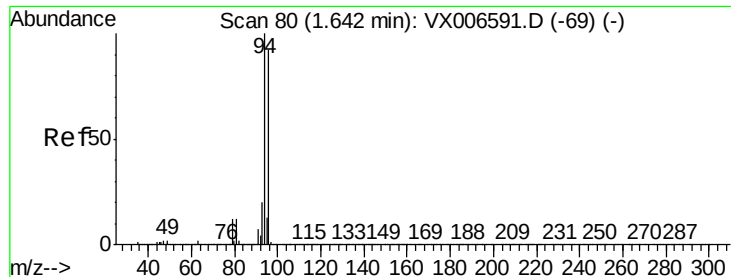
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_X

ClientSampled :

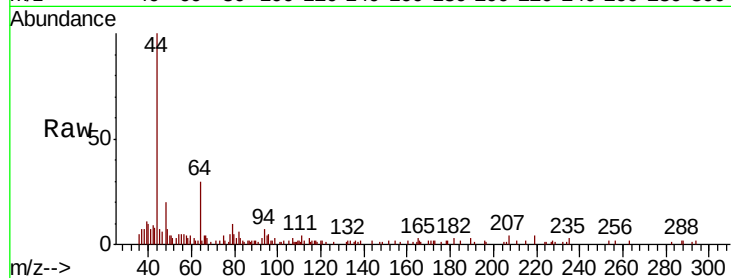
WATER-1

Tgt Ion: 94 Resp: 577

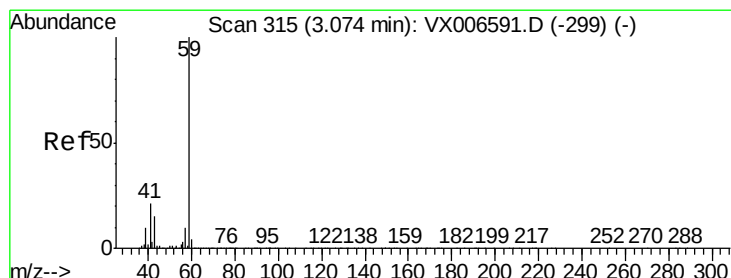
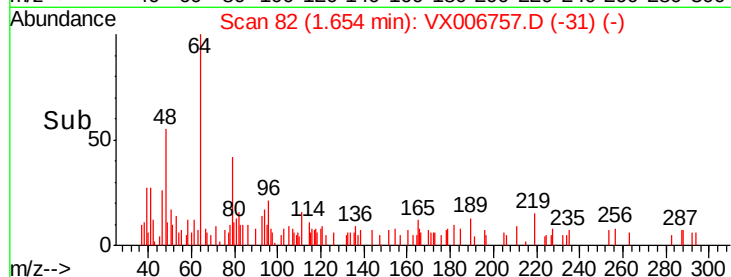
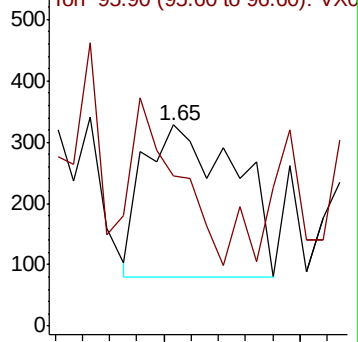
Ion Ratio Lower Upper

94 100

96 26.3 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#11

Tert butyl alcohol

Concen: 10.680 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX006757.D

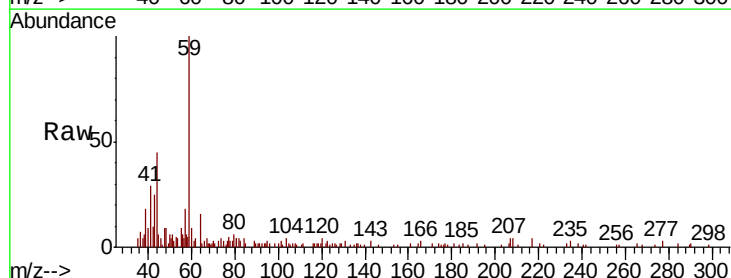
Acq: 22 Dec 2018 07:05

Tgt Ion: 59 Resp: 16354

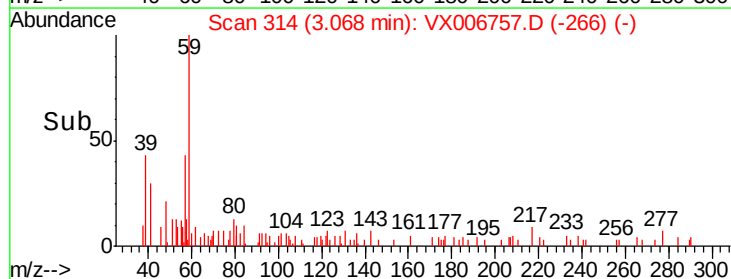
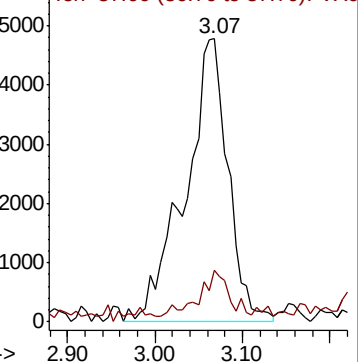
Ion Ratio Lower Upper

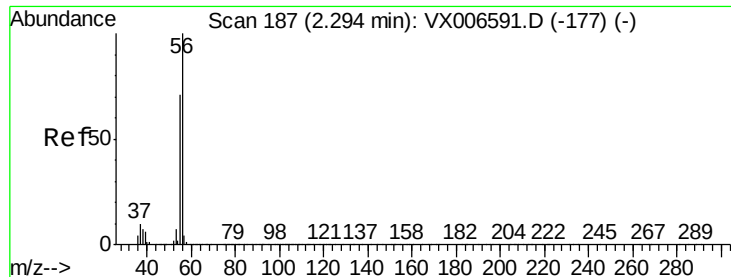
59 100

57 9.9 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0





#13

Acrolein

Concen: 2.503 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_X

ClientSampled :

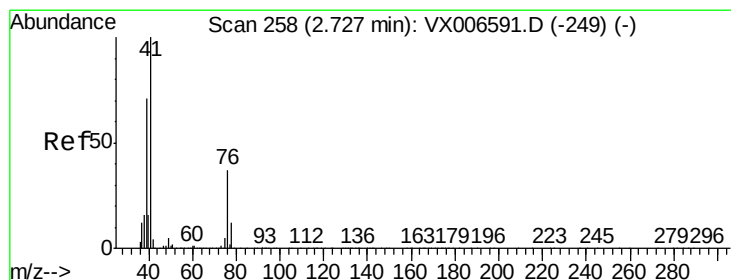
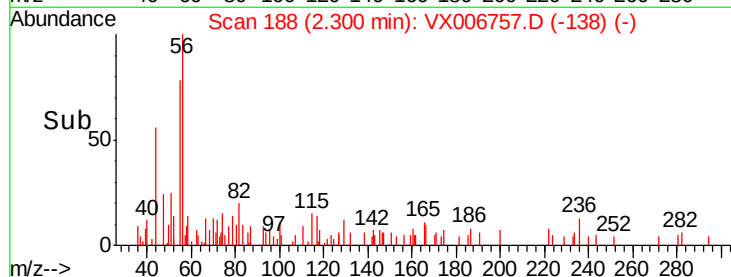
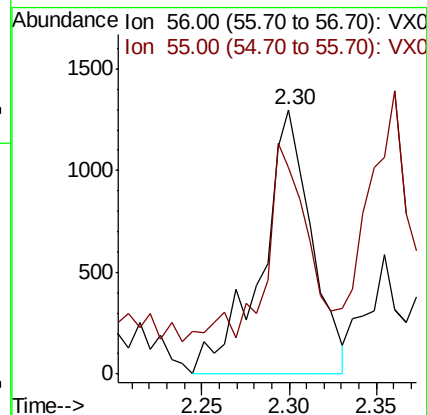
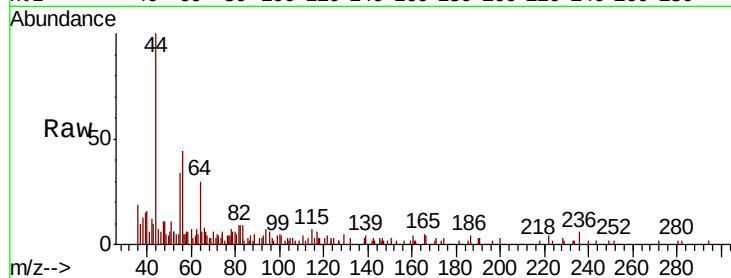
WATER-1

Tgt Ion: 56 Resp: 2586

Ion Ratio Lower Upper

56 100

55 58.2 58.2 87.4#



#14

Allyl chloride

Concen: 0.282 ug/l

RT: 2.71 min Scan# 255

Delta R.T. -0.02 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

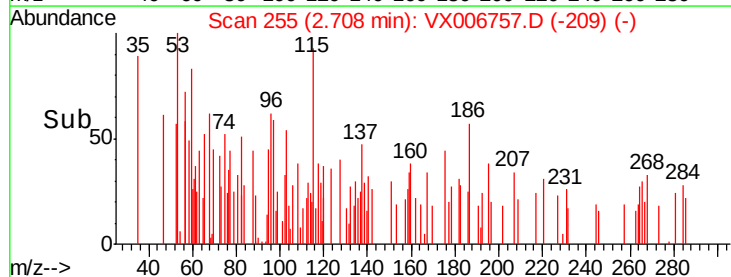
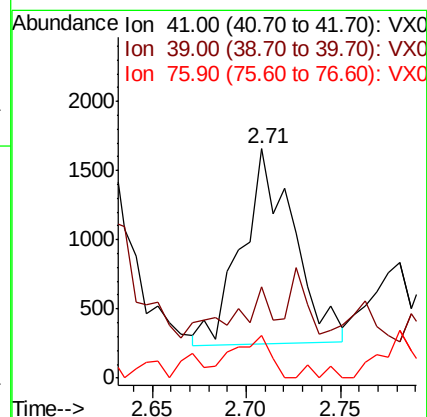
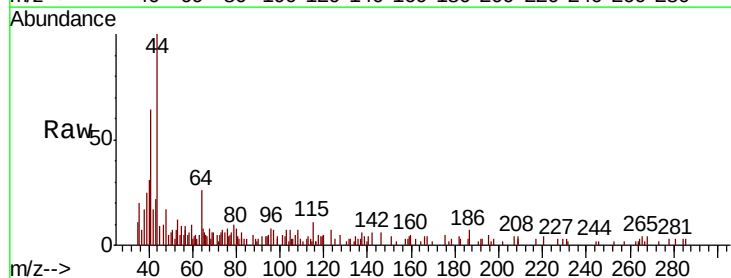
Tgt Ion: 41 Resp: 2699

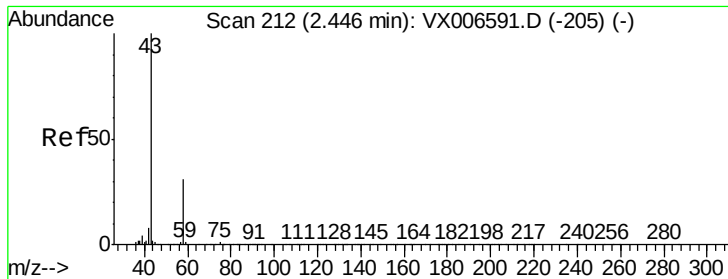
Ion Ratio Lower Upper

41 100

39 0.0 53.6 80.4#

76 16.0 27.4 41.2#





#16

Acetone

Concen: 419.572 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_X

ClientSampleId :

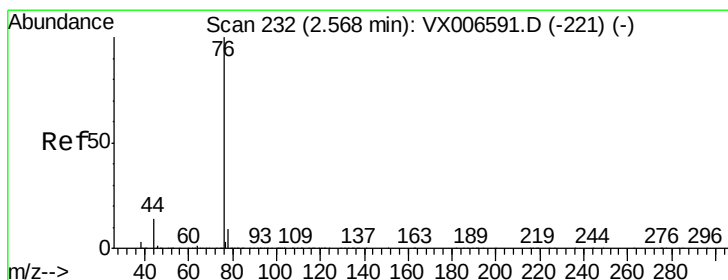
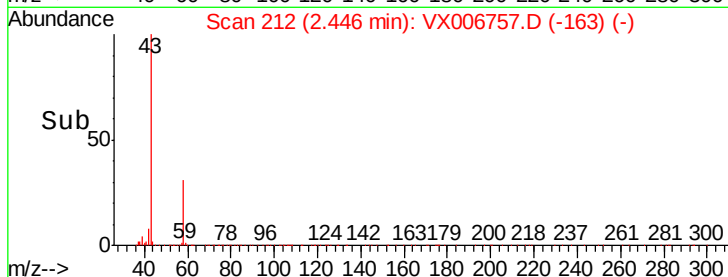
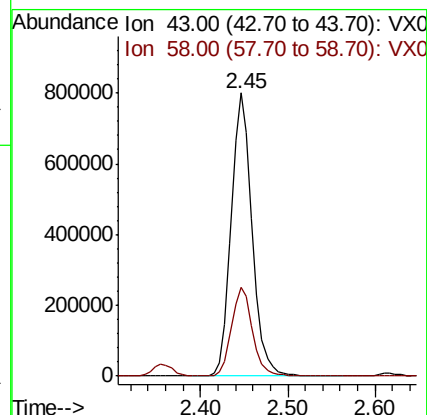
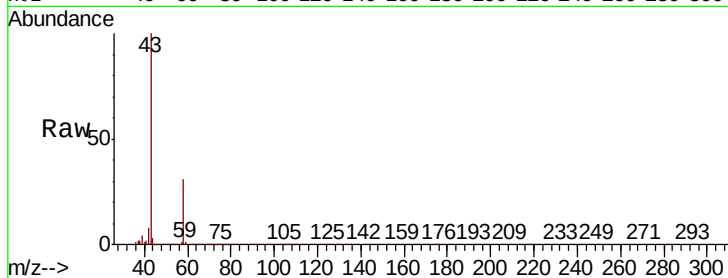
WATER-1

Tgt Ion: 43 Resp: 1322679

Ion Ratio Lower Upper

43 100

58 31.4 25.0 37.6



#17

Carbon Disulfide

Concen: 0.212 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006757.D

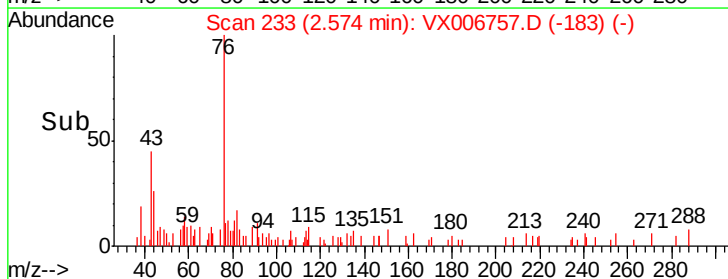
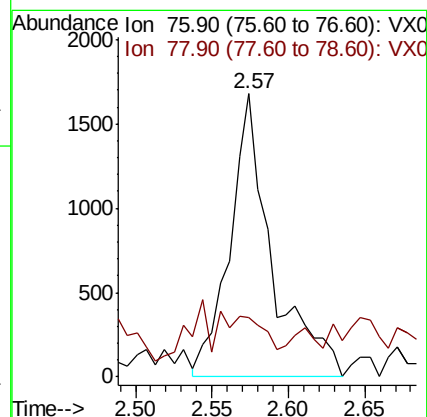
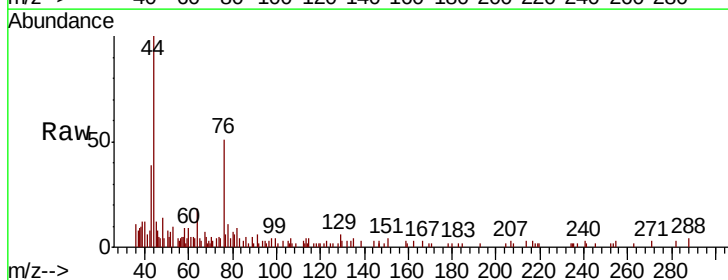
Acq: 22 Dec 2018 07:05

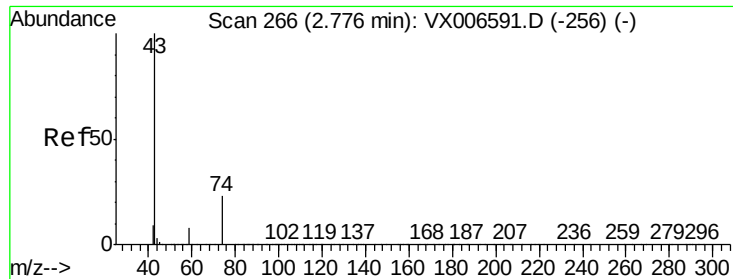
Tgt Ion: 76 Resp: 3197

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.6

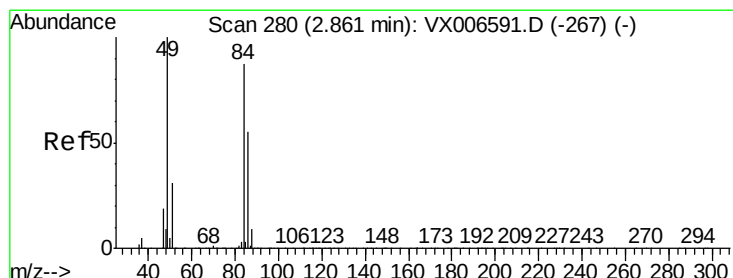
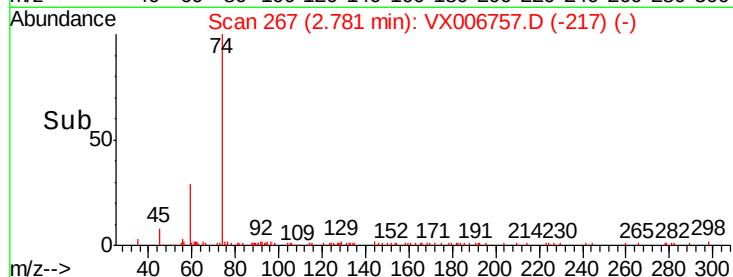
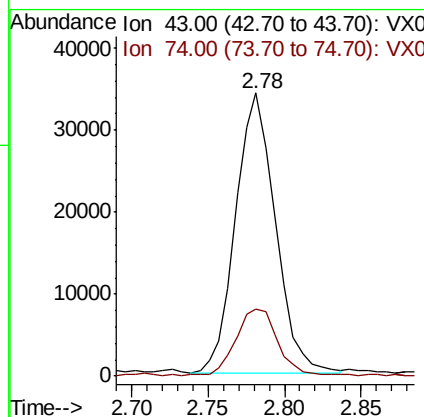
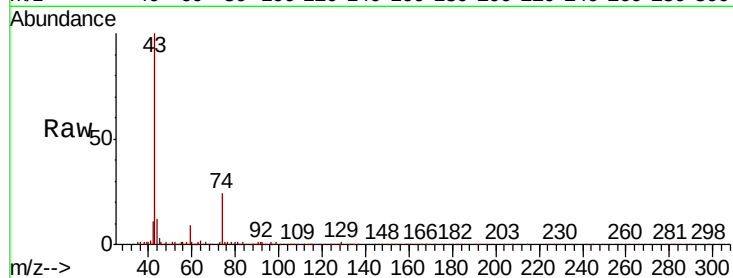




#18
Methyl Acetate
Concen: 6.641 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006757.D
Acq: 22 Dec 2018 07:05

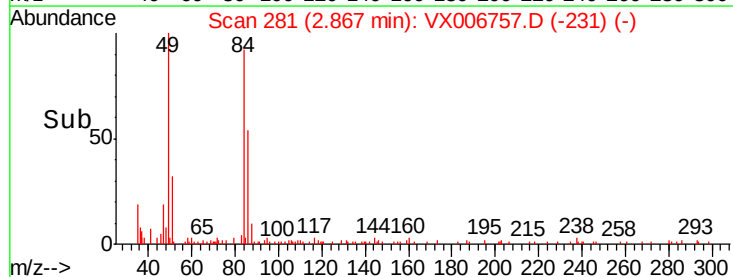
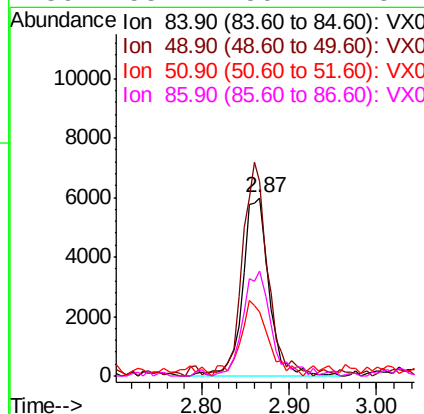
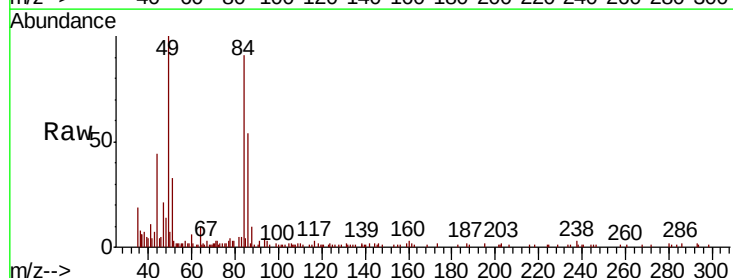
Instrument :
MSVOA_X
ClientSampleId :
WATER-1

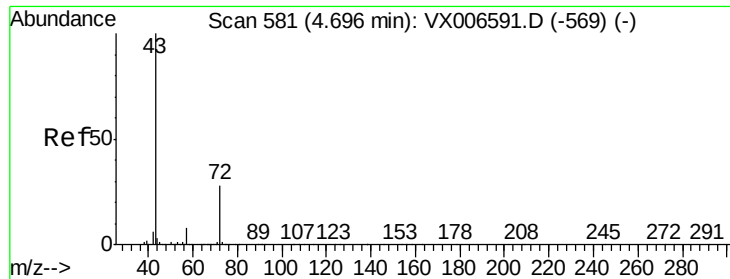
Tgt Ion: 43 Resp: 61563
Ion Ratio Lower Upper
43 100
74 26.2 18.6 28.0



#20
Methylene Chloride
Concen: 1.922 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006757.D
Acq: 22 Dec 2018 07:05

Tgt Ion: 84 Resp: 12526
Ion Ratio Lower Upper
84 100
49 105.9 91.8 137.6
51 34.1 28.5 42.7
86 58.7 50.2 75.2





#25

2-Butanone

Concen: 128.052 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_X

ClientSampleId :

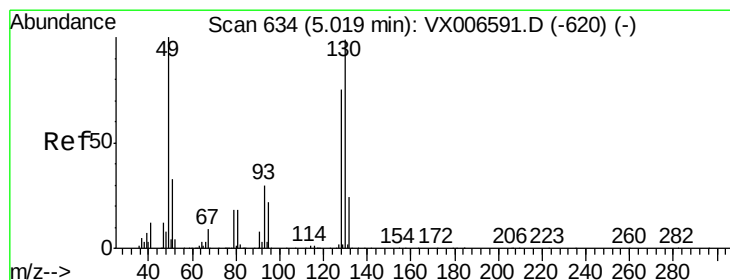
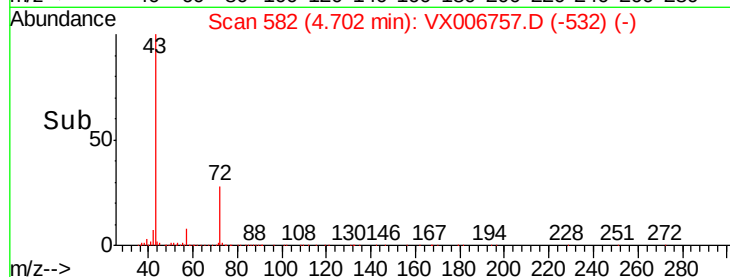
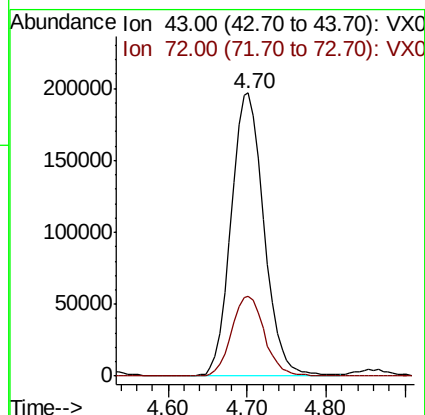
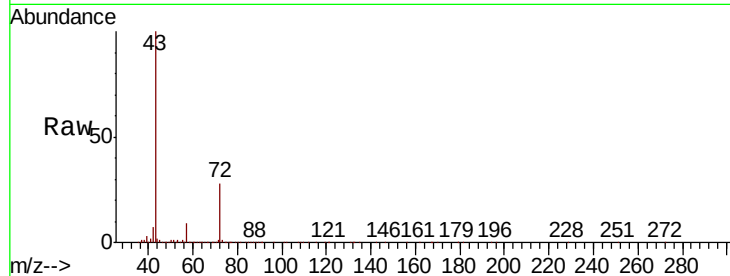
WATER-1

Tgt Ion: 43 Resp: 567822

Ion Ratio Lower Upper

43 100

72 28.3 22.4 33.6



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

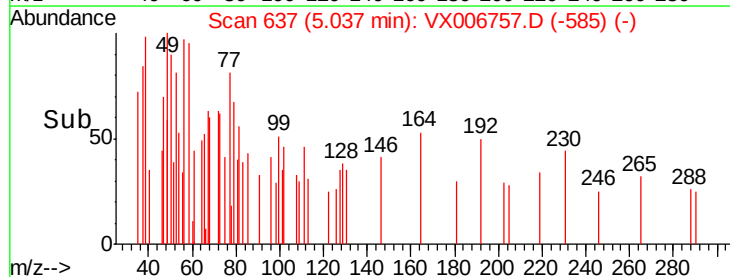
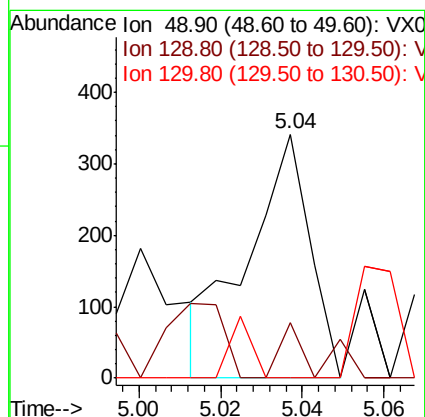
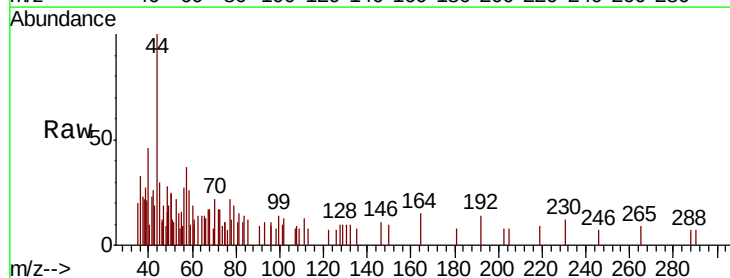
Tgt Ion: 49 Resp: 364

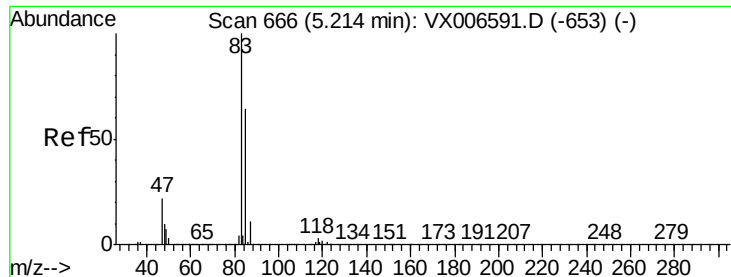
Ion Ratio Lower Upper

49 100

129 13.2 0.0 5.4#

130 8.5 77.7 116.5#

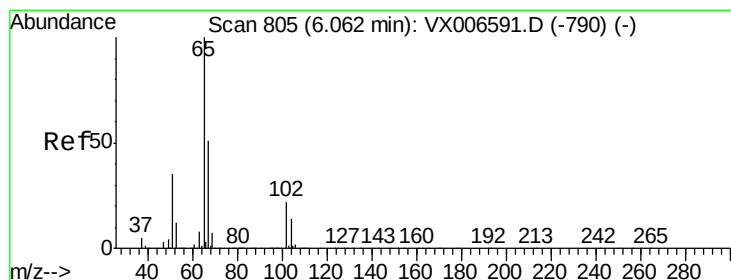
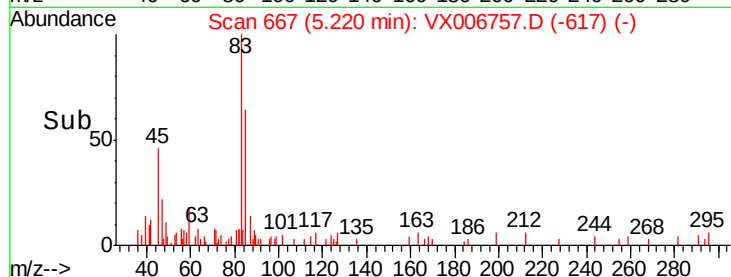
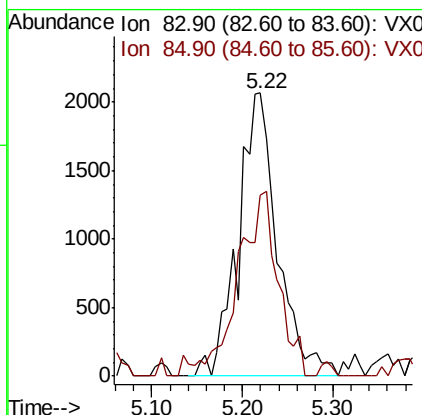
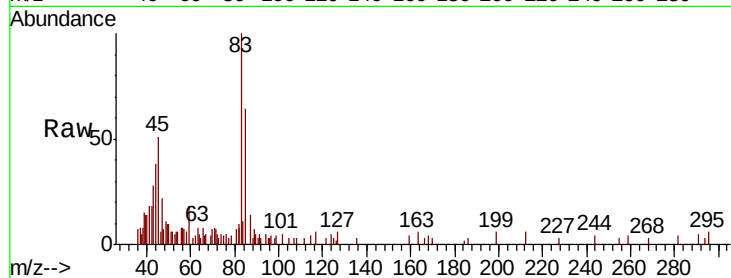




#30
Chloroform
Concen: 0.570 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006757.D
Acq: 22 Dec 2018 07:05

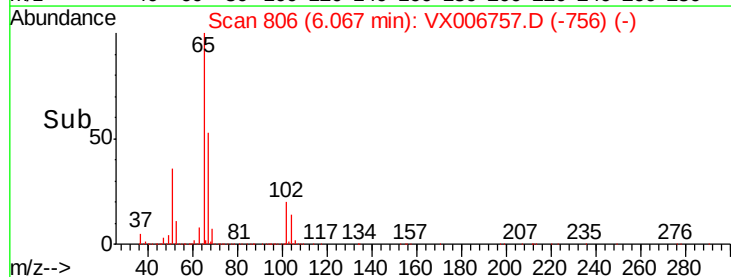
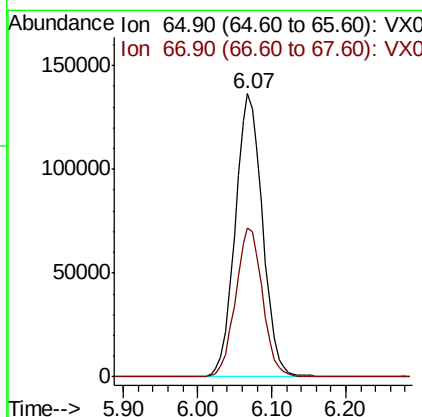
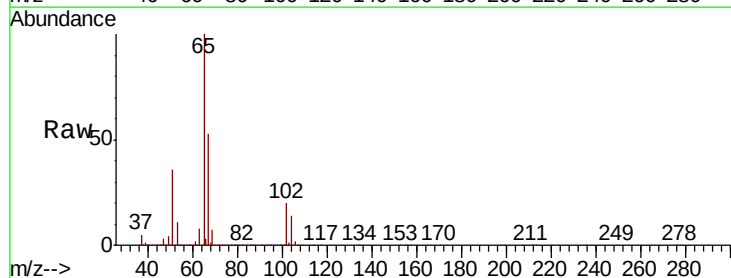
Instrument :
MSVOA_X
ClientSampleId :
WATER-1

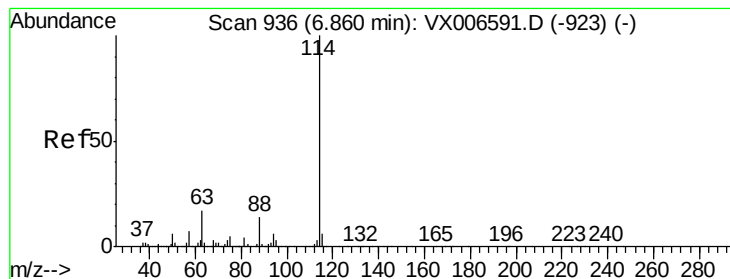
Tgt Ion: 83 Resp: 6169
Ion Ratio Lower Upper
83 100
85 64.0 51.2 76.8



#33
1,2-Dichloroethane-d4
Concen: 51.115 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006757.D
Acq: 22 Dec 2018 07:05

Tgt Ion: 65 Resp: 350731
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_X

ClientSampleId :

WATER-1

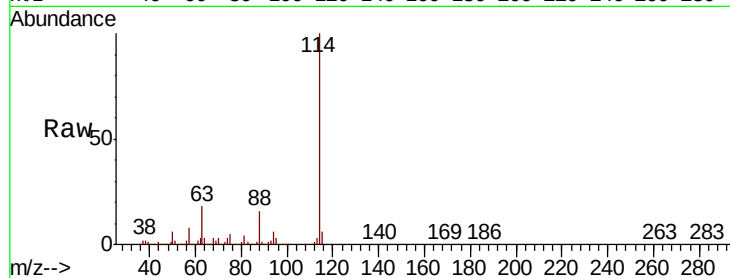
Tgt Ion:114 Resp: 997829

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

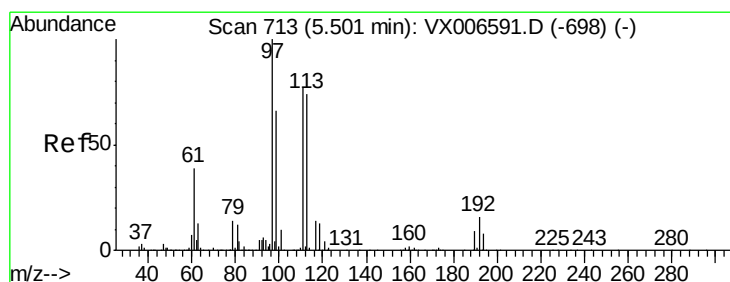
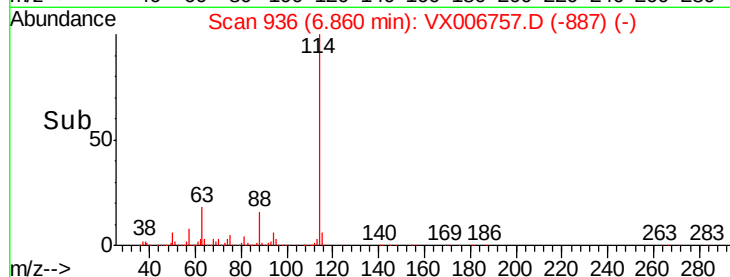
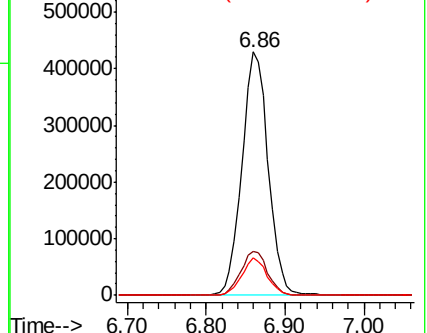
88 15.5 0.0 28.8



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: 47.865 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

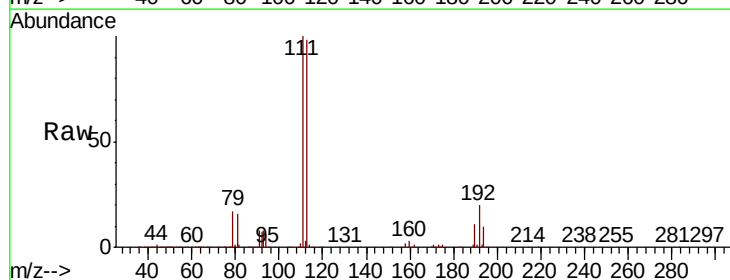
Tgt Ion:113 Resp: 302029

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

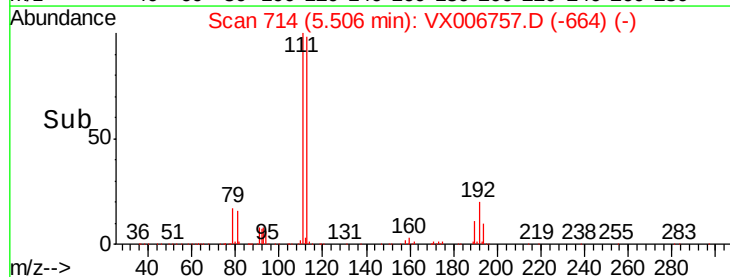
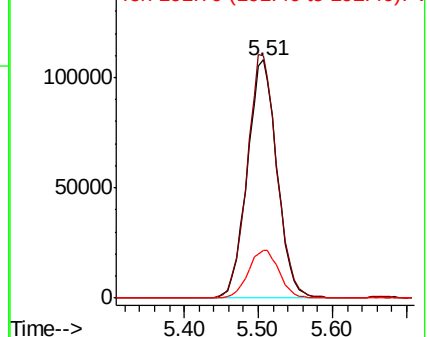
192 20.8 16.7 25.1

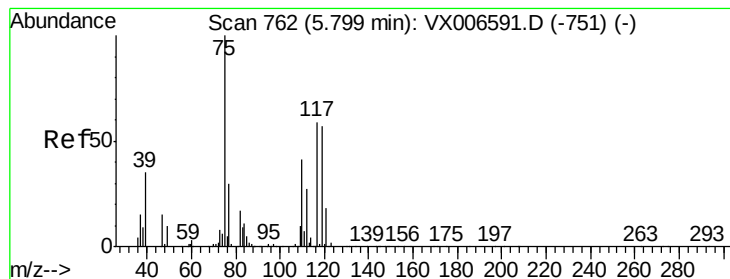


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.974 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_X

ClientSampled :

WATER-1

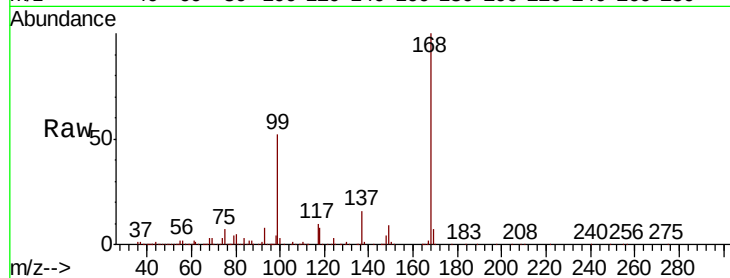
Tgt Ion: 75 Resp: 41109

Ion Ratio Lower Upper

75 100

110 10.8 20.2 60.5#

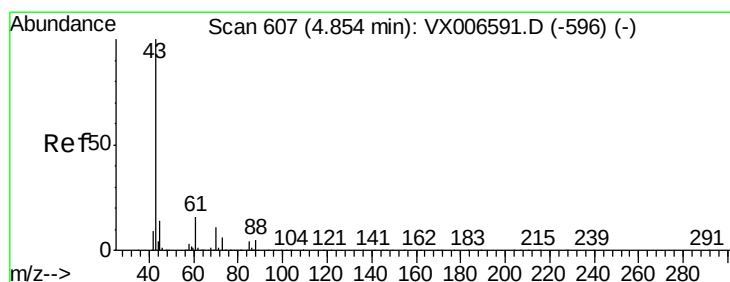
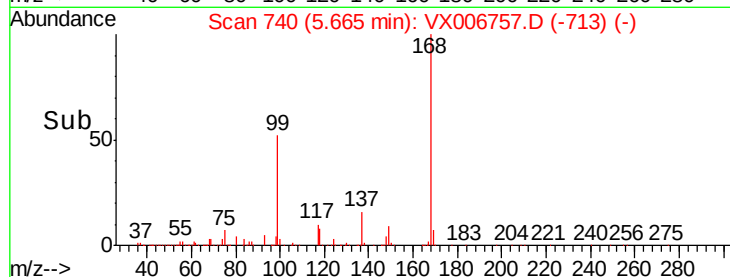
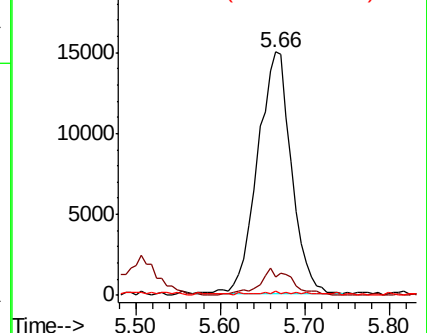
77 0.6 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 65.909 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

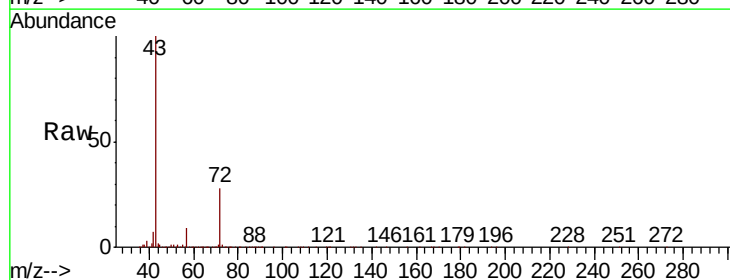
Tgt Ion: 43 Resp: 566926

Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

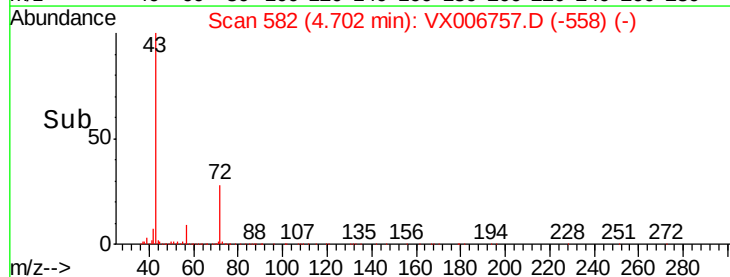
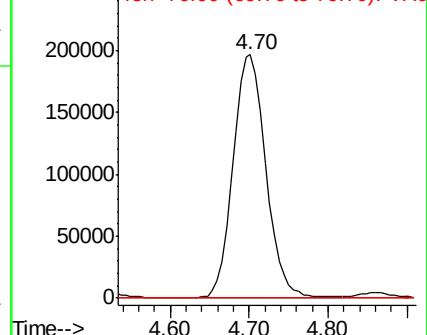
70 0.1 9.7 14.5#

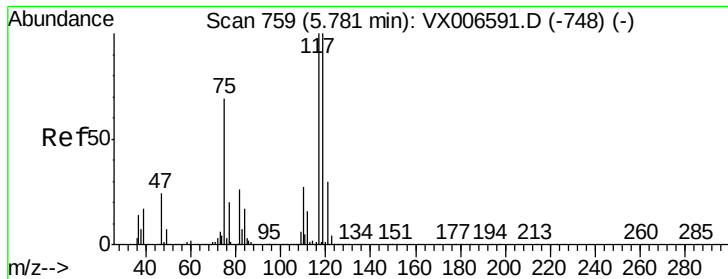


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 7.433 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_X

ClientSampled :

WATER-1

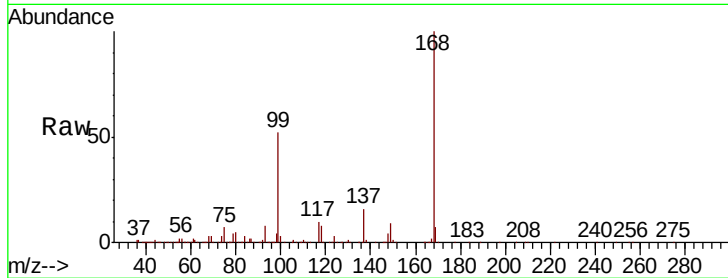
Tgt Ion:117 Resp: 59700

Ion Ratio Lower Upper

117 100

119 4.9 79.4 119.2#

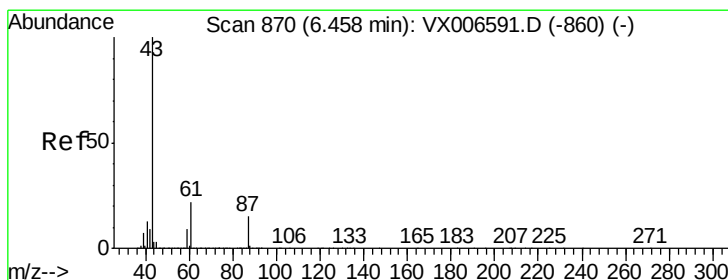
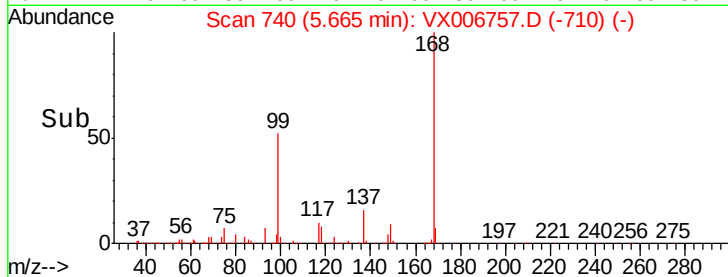
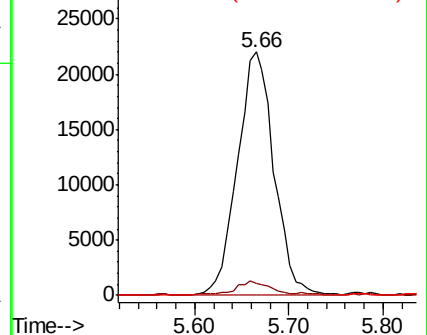
121 0.3 24.0 36.0#



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



#43

Isopropyl Acetate

Concen: 0.717 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

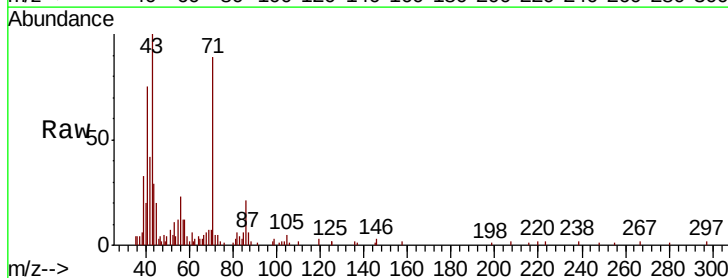
Tgt Ion: 43 Resp: 9383

Ion Ratio Lower Upper

43 100

61 7.0 16.8 25.2#

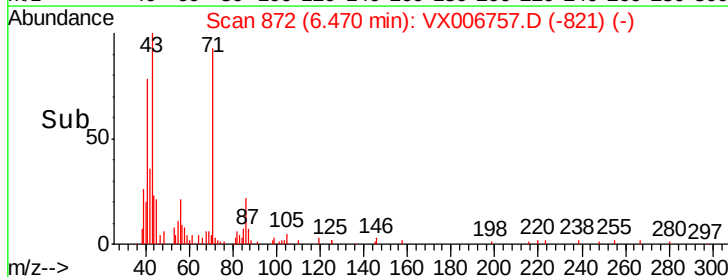
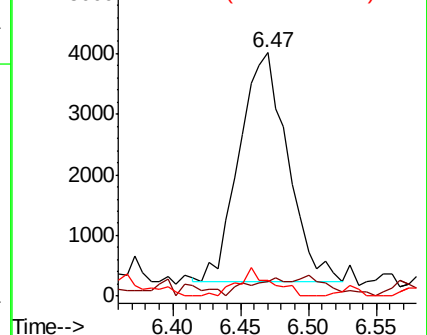
87 8.2 12.4 18.6#

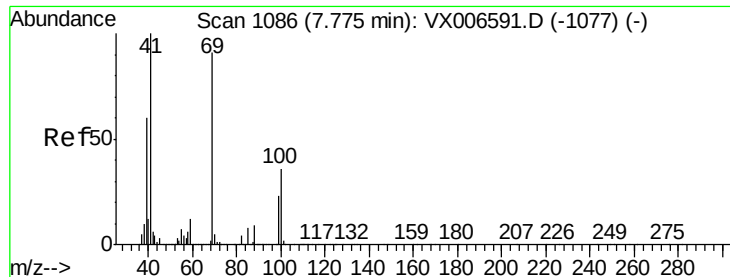


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

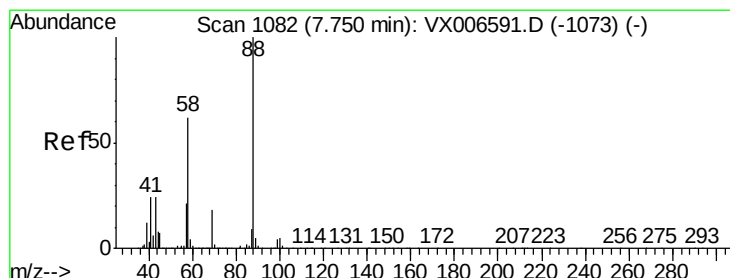
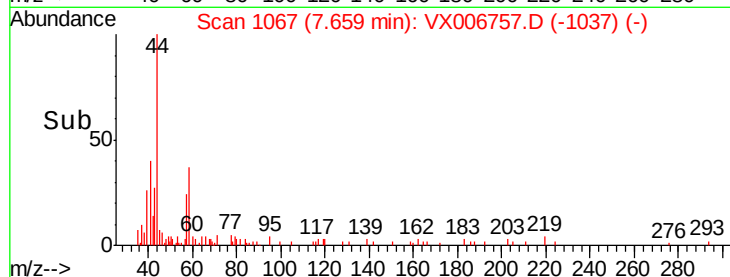
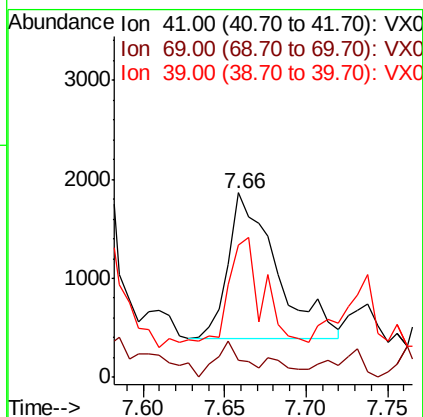
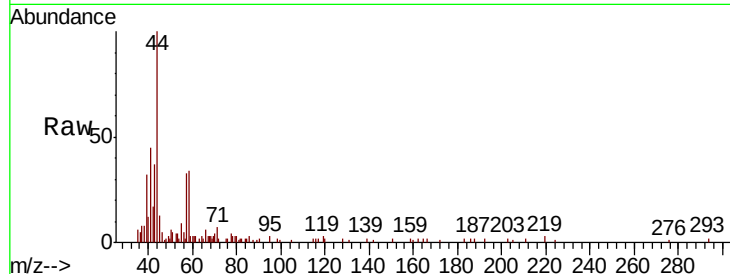




#48
Methyl methacrylate
Concen: 0.455 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.12 min
Lab File: VX006757.D
Acq: 22 Dec 2018 07:05

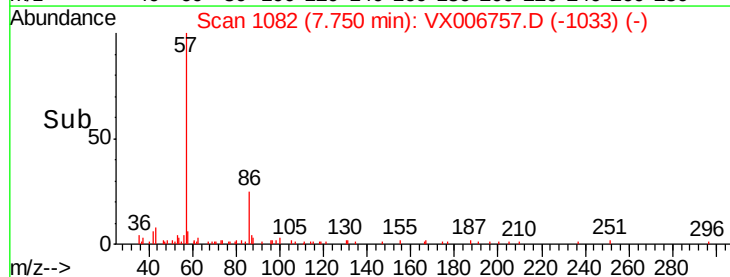
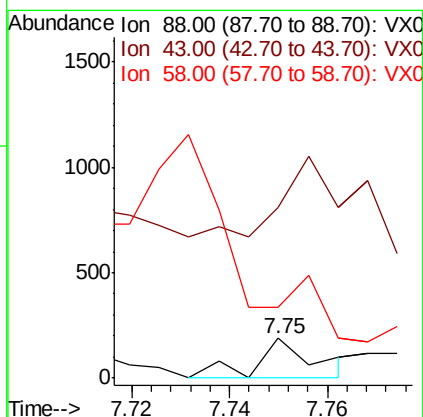
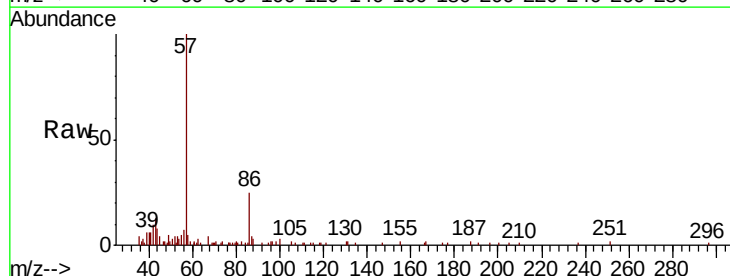
Instrument :
MSVOA_X
ClientSampleId :
WATER-1

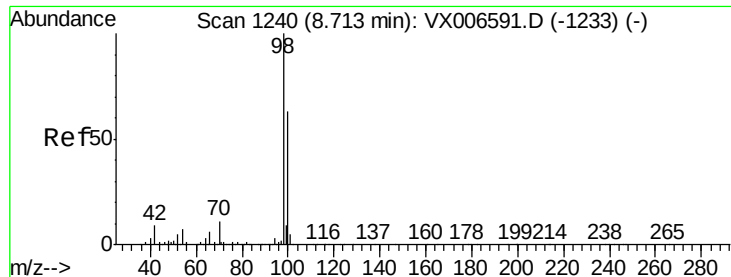
Tgt Ion: 41 Resp: 3025
Ion Ratio Lower Upper
41 100
69 13.7 72.4 108.6#
39 47.0 45.8 68.8



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX006757.D
Acq: 22 Dec 2018 07:05

Tgt Ion: 88 Resp: 157
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 0.0 51.0 76.4#

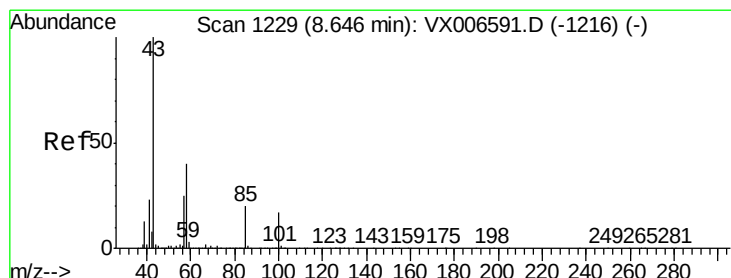
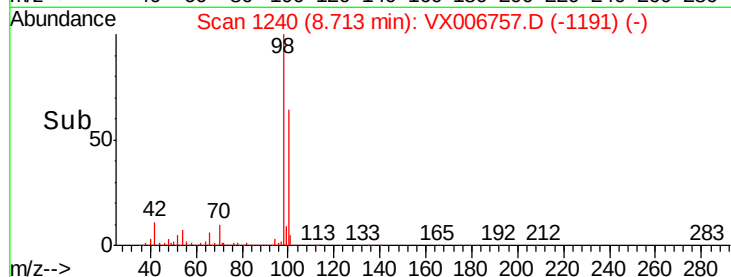
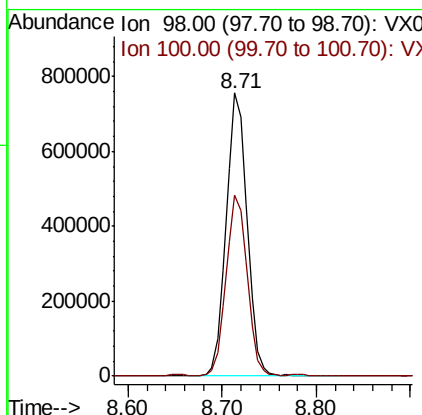
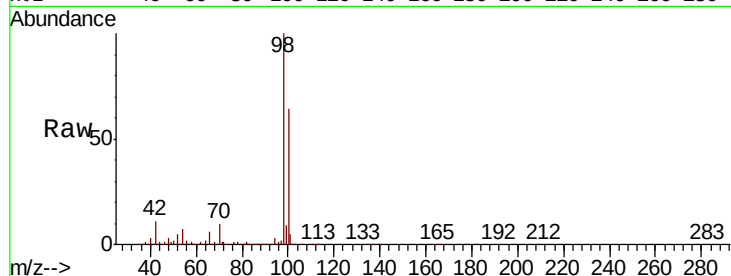




#50
Toluene-d8
Concen: 49.172 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006757.D
Acq: 22 Dec 2018 07:05

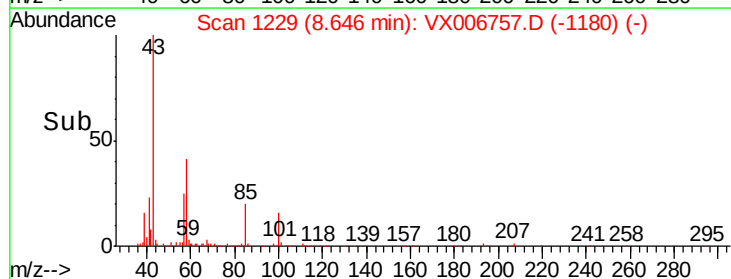
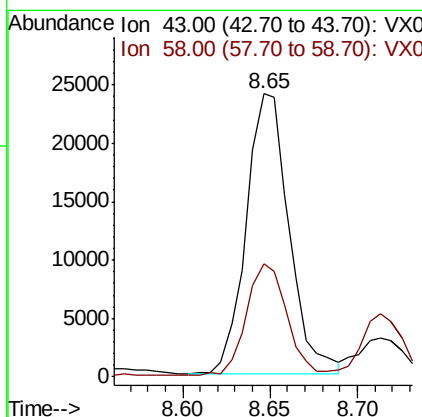
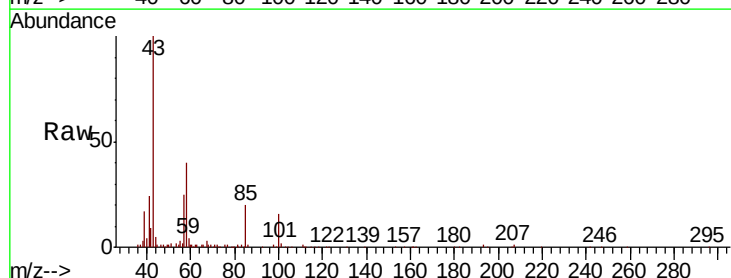
Instrument :
MSVOA_X
ClientSampleId :
WATER-1

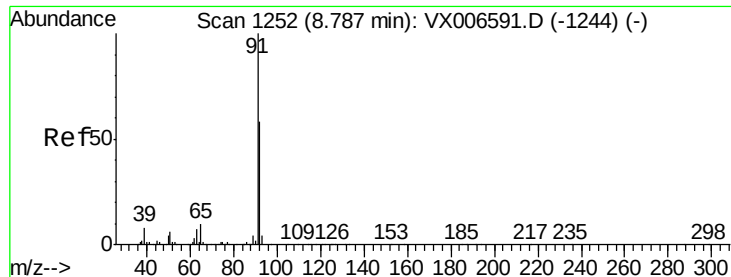
Tgt Ion: 98 Resp: 1169764
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.901 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006757.D
Acq: 22 Dec 2018 07:05

Tgt Ion: 43 Resp: 40809
Ion Ratio Lower Upper
43 100
58 37.8 31.8 47.6





#52

Toluene

Concen: 0.269 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_X

ClientSampleId :

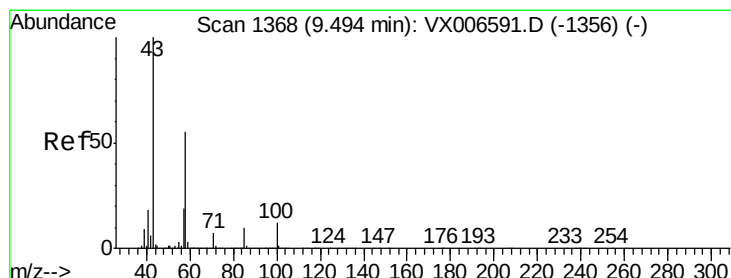
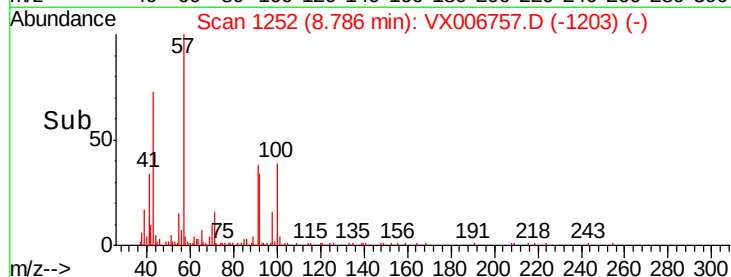
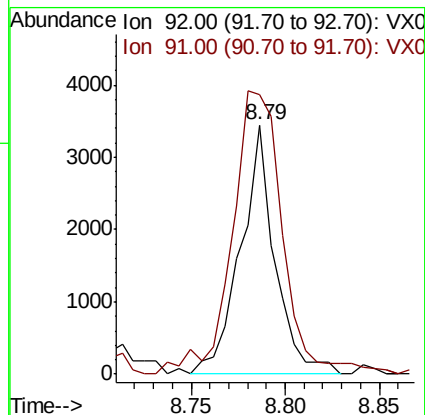
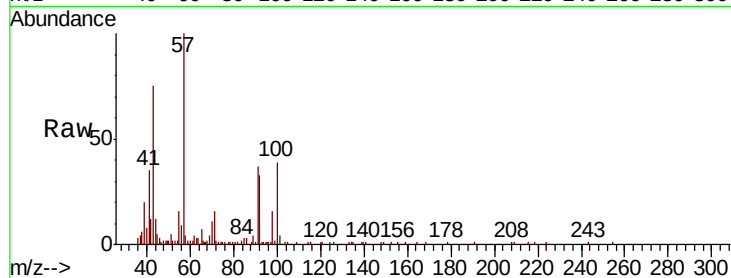
WATER-1

Tgt Ion: 92 Resp: 4365

Ion Ratio Lower Upper

92 100

91 167.5 137.6 206.4



#59

2-Hexanone

Concen: 12.268 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VX006757.D

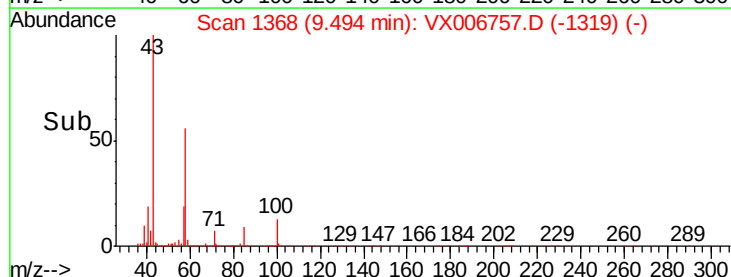
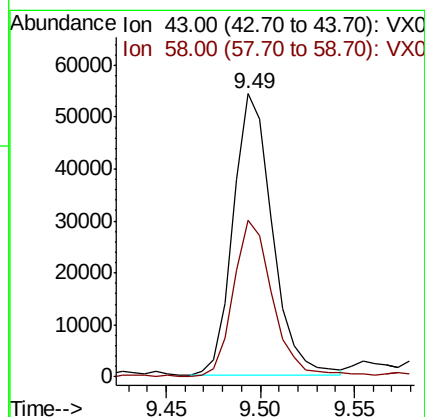
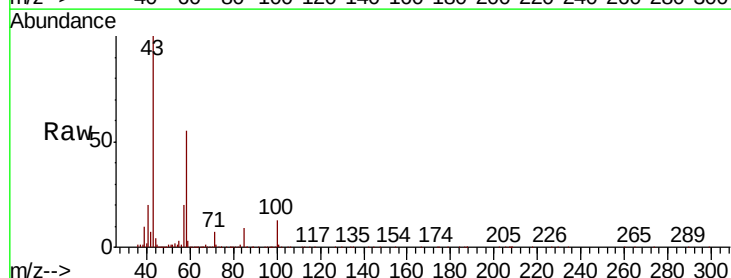
Acq: 22 Dec 2018 07:05

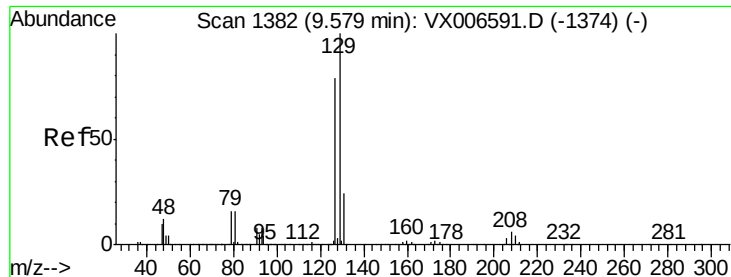
Tgt Ion: 43 Resp: 78163

Ion Ratio Lower Upper

43 100

58 55.5 27.7 83.1

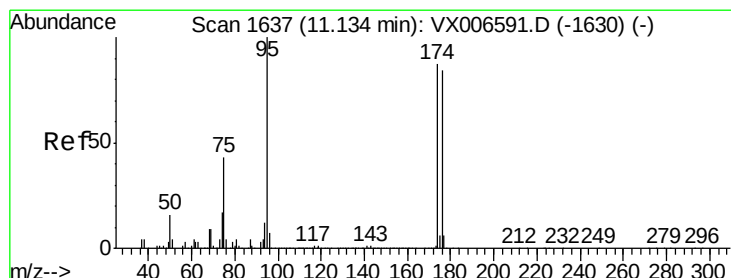
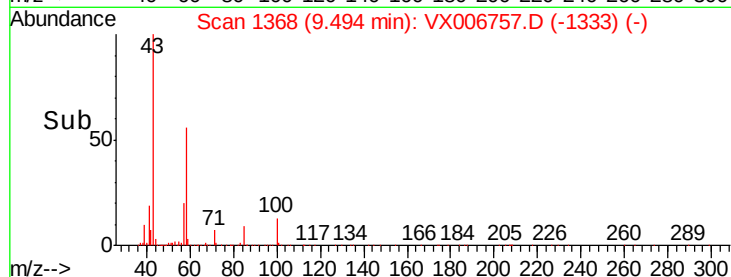
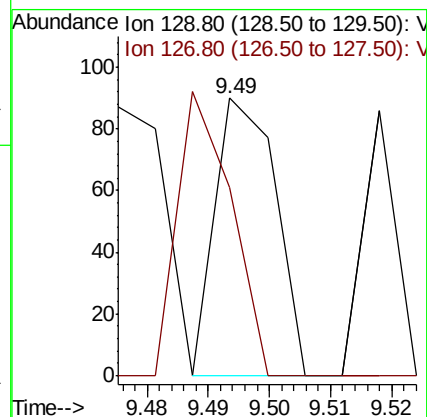
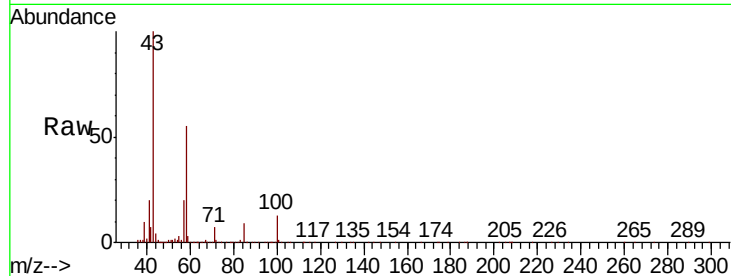




#60
 Dibromochloromethane
 Concen: 2.333 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. -0.09 min
 Lab File: VX006757.D
 Acq: 22 Dec 2018 07:05

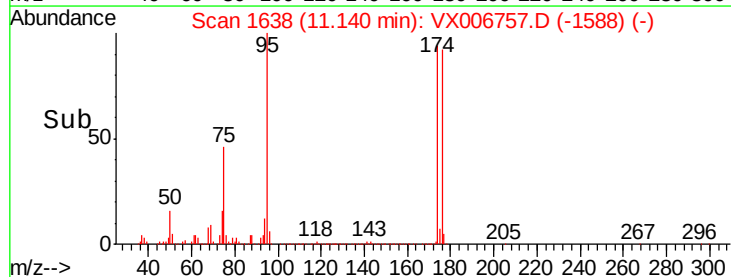
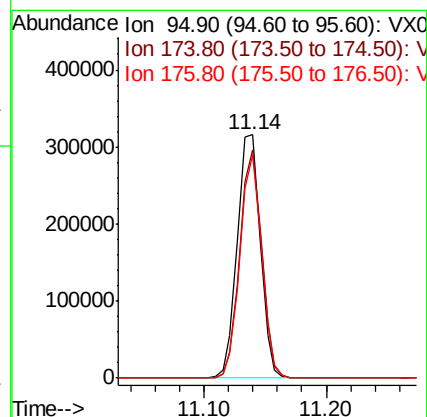
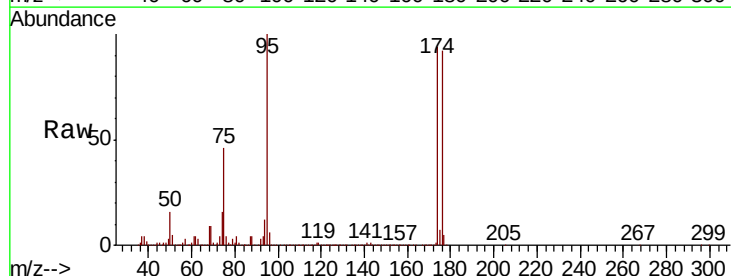
Instrument :
 MSVOA_X
 ClientSampled :
 WATER-1

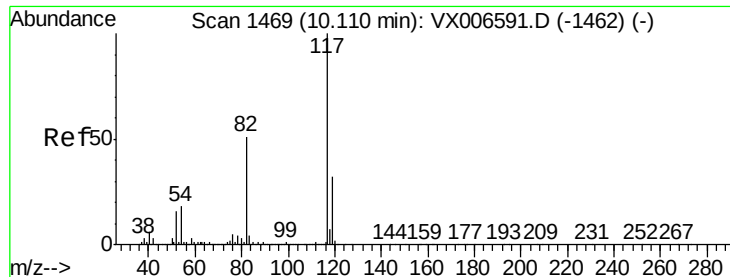
Tgt Ion: 129 Resp: 61
 Ion Ratio Lower Upper
 129 100
 127 91.8 39.3 117.8



#62
 4-Bromofluorobenzene
 Concen: 47.187 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.01 min
 Lab File: VX006757.D
 Acq: 22 Dec 2018 07:05

Tgt Ion: 95 Resp: 411120
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 182.2
 176 86.4 0.0 178.8

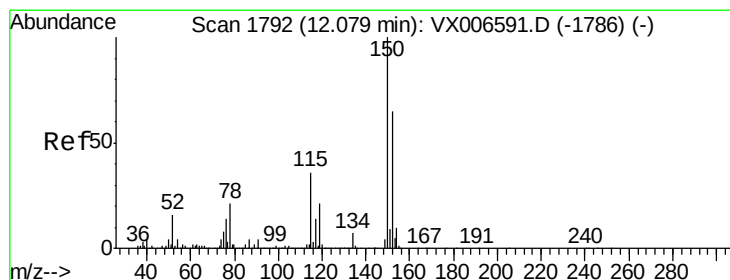
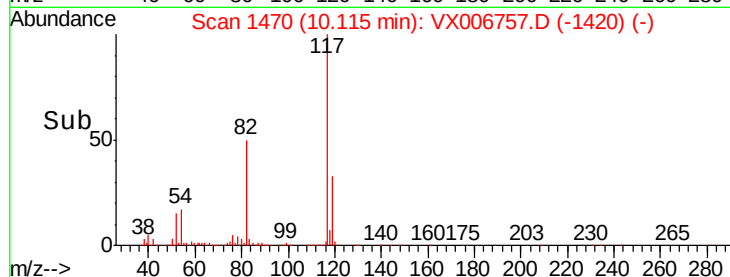
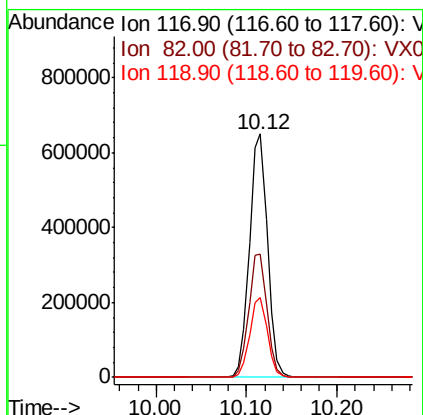
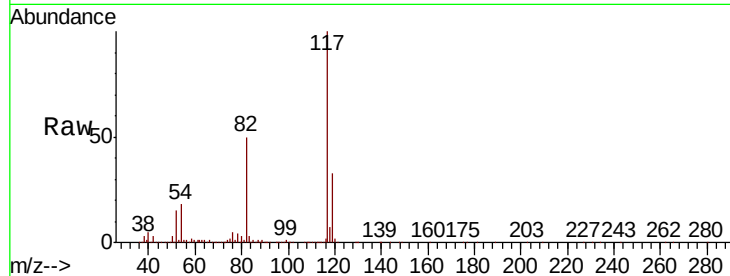




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006757.D
Acq: 22 Dec 2018 07:05

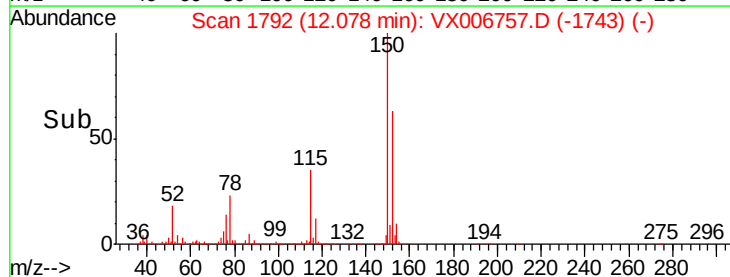
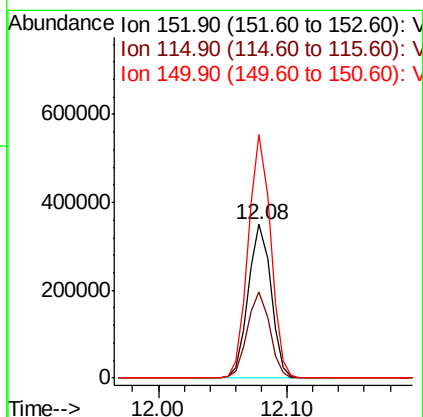
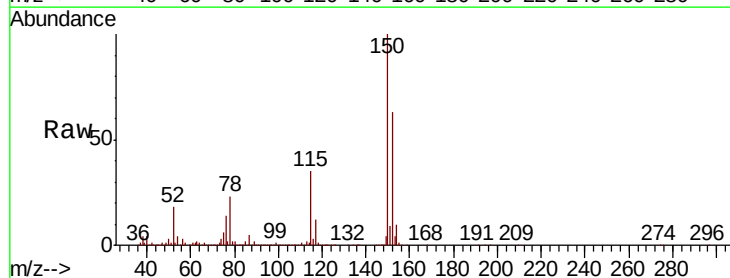
Instrument :
MSVOA_X
ClientSampled :
WATER-1

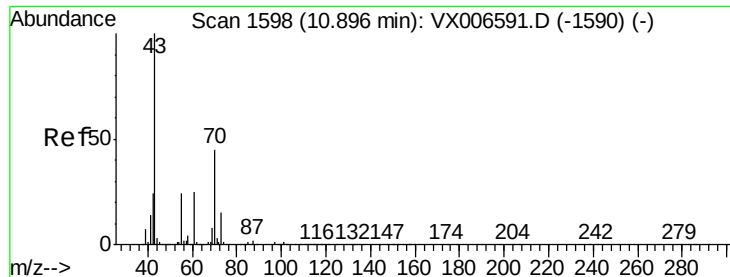
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.5	41.0	61.6
119	32.7	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006757.D
Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	39.1	117.2
150	156.4	0.0	344.8





#74

N-ethyl acetate

Concen: 6.499 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX006757.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_X

ClientSampleId :

WATER-1

Tgt Ion: 43 Resp: 67270

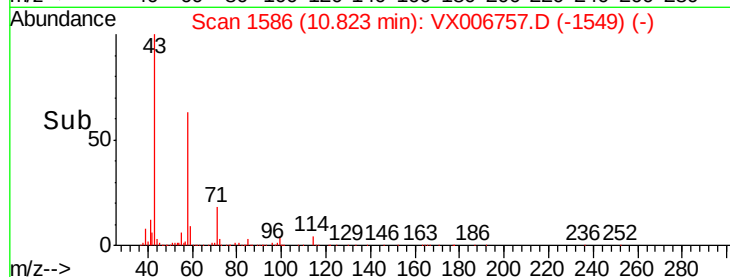
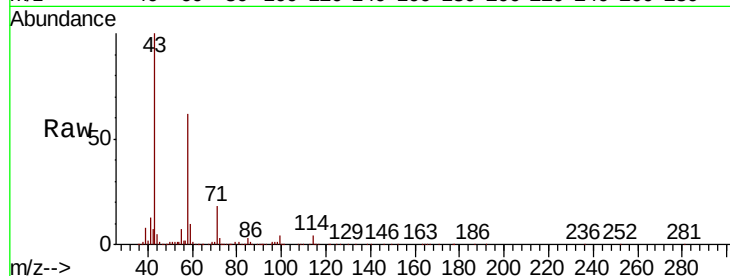
Ion Ratio Lower Upper

43 100

70 0.8 35.8 53.8#

55 6.6 19.4 29.0#

61 0.0 20.1 30.1#

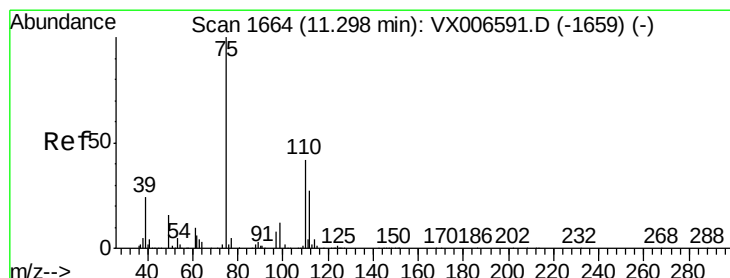
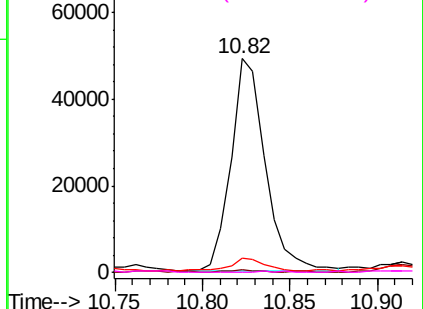


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.291 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006757.D

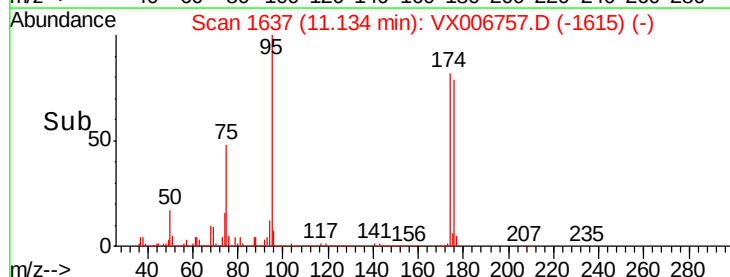
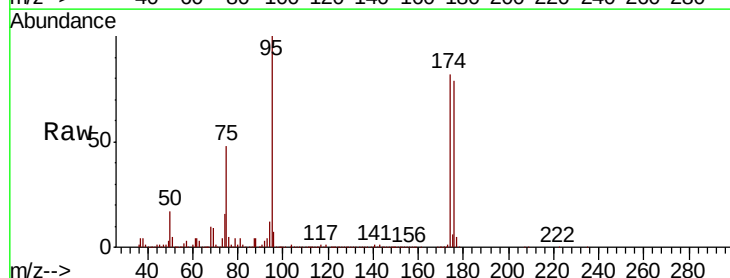
Acq: 22 Dec 2018 07:05

Tgt Ion: 75 Resp: 190818

Ion Ratio Lower Upper

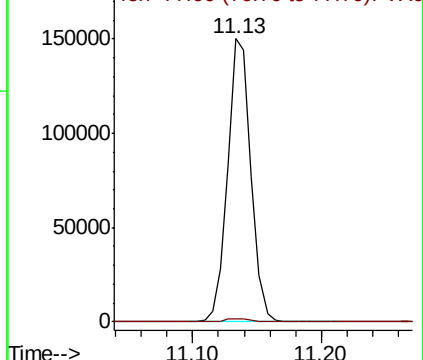
75 100

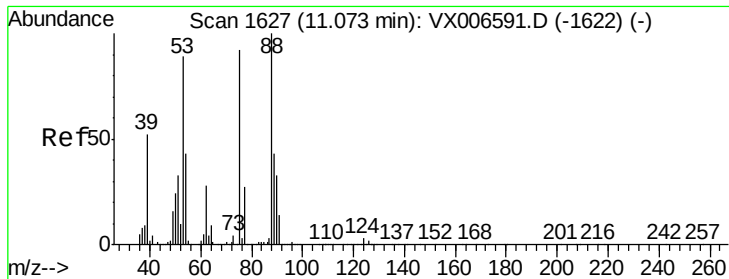
77 1.2 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

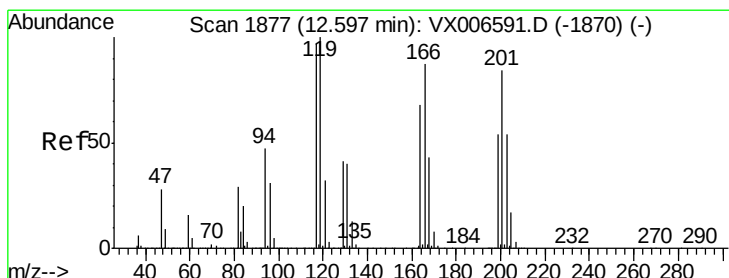
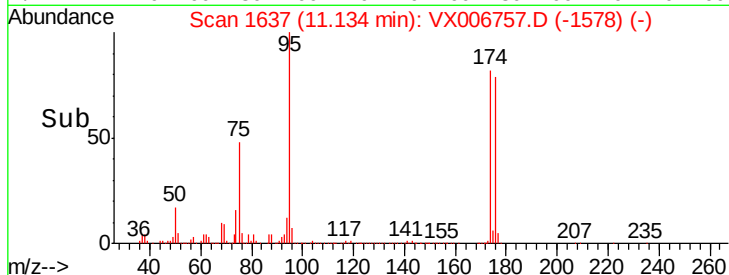
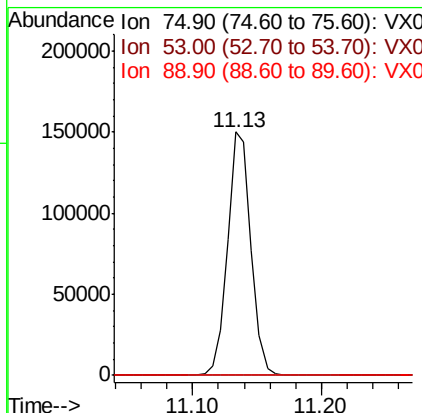
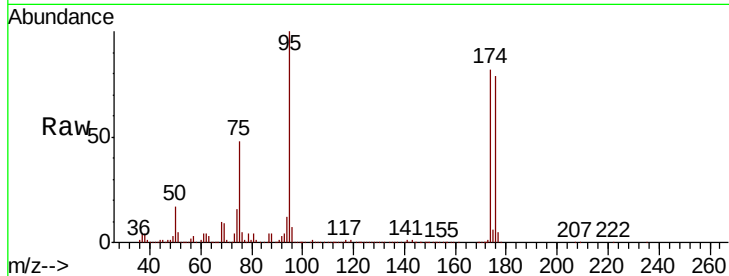




#81
trans-1,4-Dichloro-2-butene
Concen: 71.898 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006757.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_X
ClientSampleId :
WATER-1

Tgt Ion: 75 Resp: 190818
Ion Ratio Lower Upper
75 100
53 0.1 79.7 119.5#
89 0.0 38.0 57.0#



#90
Hexachloroethane
Concen: 3.314 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX006757.D
Acq: 22 Dec 2018 07:05

Tgt Ion: 117 Resp: 90
Ion Ratio Lower Upper
117 100
201 81.1 42.9 128.7

