

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021020\
 Data File : VX014889.D
 Acq On : 10 Feb 2020 15:45
 Operator : JC/SP
 Sample : L1448-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 11 06:45:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	449132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	692695	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	665076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	345507	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	258866	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	5.49	113	213680	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	8.71	98	828681	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.13	95	310254	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	

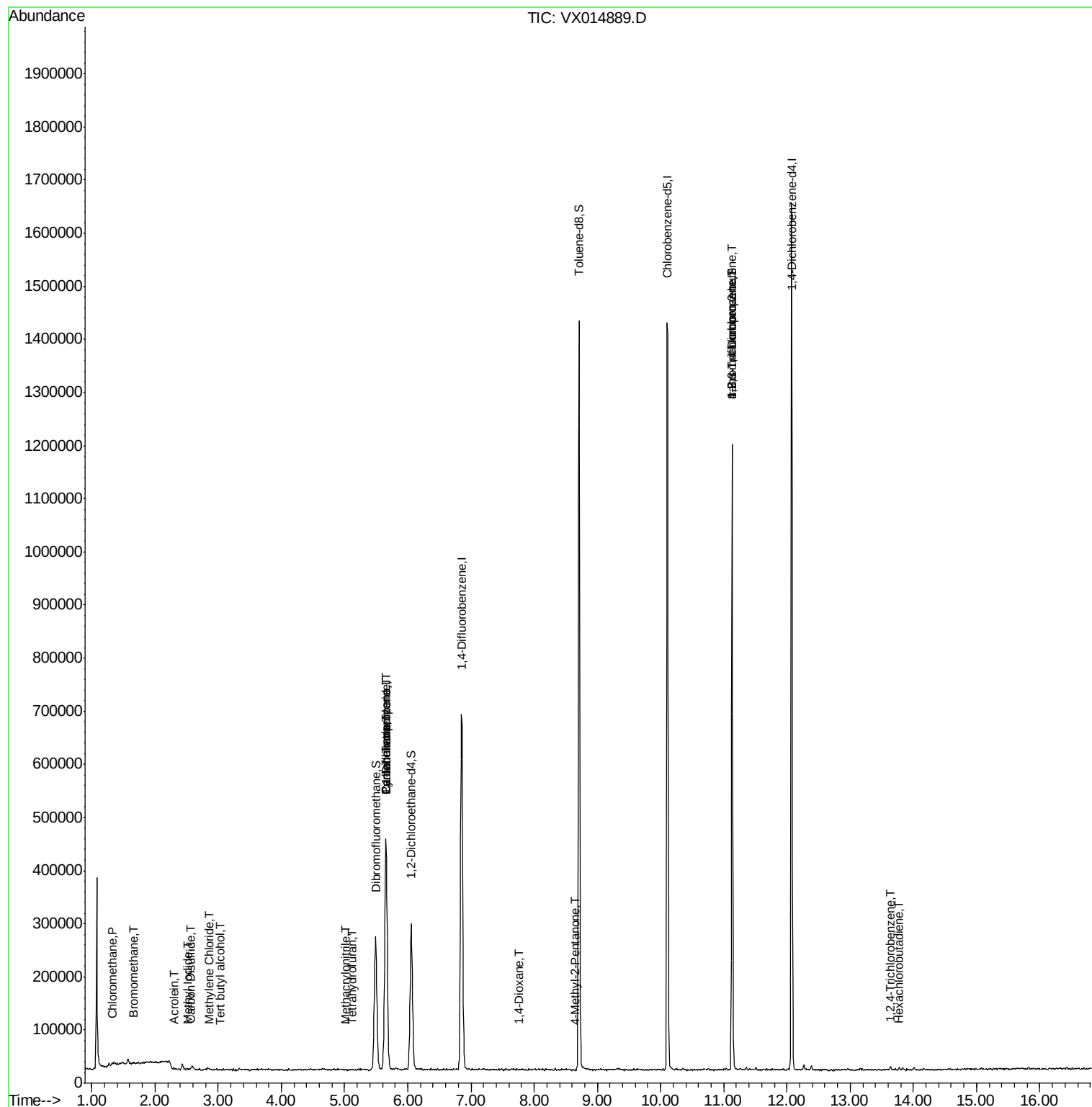
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1279	0.265	ug/l	97
5) Bromomethane	1.66	94	1187	0.353	ug/l	99
10) Methyl Iodide	2.52	142	862	4.536	ug/l #	49
11) Tert butyl alcohol	3.03	59	507	0.567	ug/l #	21
13) Acrolein	2.30	56	177	0.259	ug/l #	67
16) Acetone	2.43	43	11679	Below Cal		91
17) Carbon Disulfide	2.56	76	3492	0.304	ug/l #	75
20) Methylene Chloride	2.86	84	2122	0.435	ug/l #	66
29) Tetrahydrofuran	5.11	42	1326	0.676	ug/l #	74
31) Cyclohexane	5.65	56	7364	1.028	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	29310	4.730	ug/l #	53
38) Carbon Tetrachloride	5.65	117	40341	6.681	ug/l #	16
41) Methacrylonitrile	5.02	41	733	0.211	ug/l #	15
49) 1,4-Dioxane	7.75	88	536	5.464	ug/l #	54
51) 4-Methyl-2-Pentanone	8.64	43	1552	0.241	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	152656	24.433	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	152656	62.542	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.64	180	2063	0.263	ug/l	83
94) Hexachlorobutadiene	13.78	225	780	0.205	ug/l	90

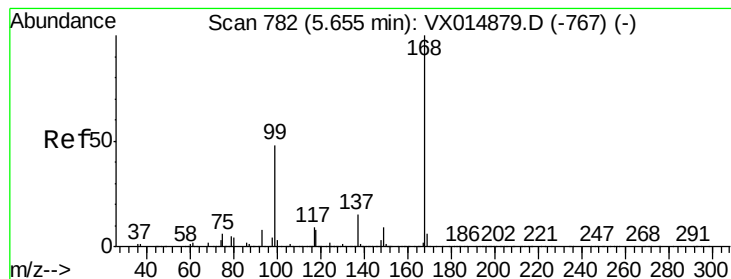
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021020\
Data File : VX014889.D
Acq On : 10 Feb 2020 15:45
Operator : JC/SP
Sample : L1448-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 11 06:45:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014889.D

Acq: 10 Feb 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

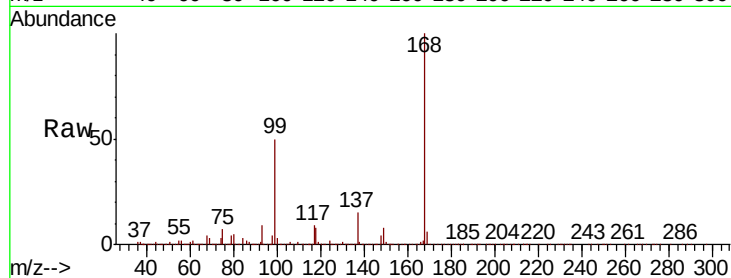
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 449132

Ion Ratio Lower Upper

168 100

99 49.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

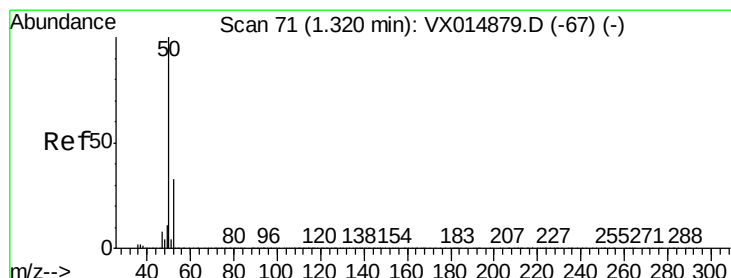
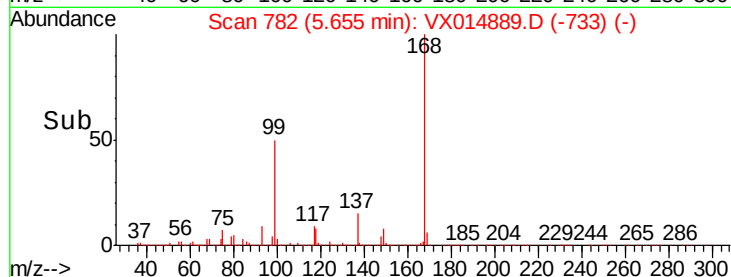
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.265 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014889.D

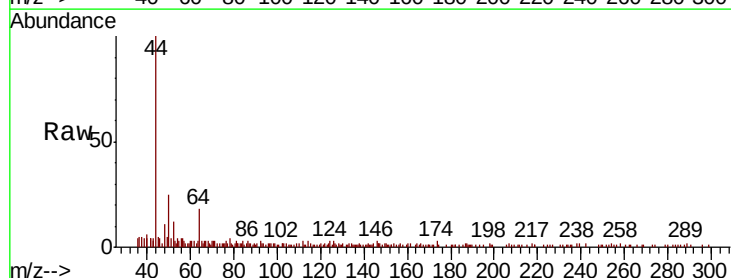
Acq: 10 Feb 2020 15:45

Tgt Ion: 50 Resp: 1279

Ion Ratio Lower Upper

50 100

52 34.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

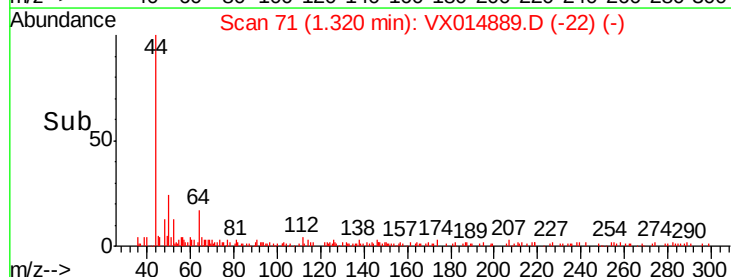
1500

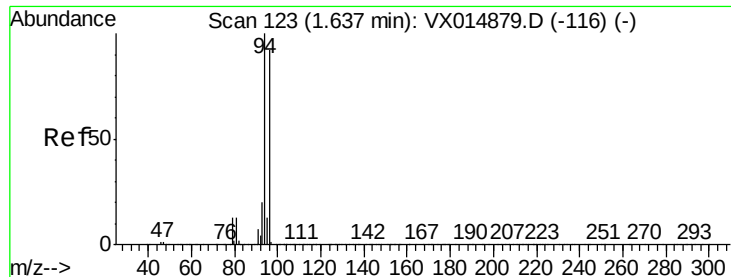
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.353 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014889.D

Acq: 10 Feb 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

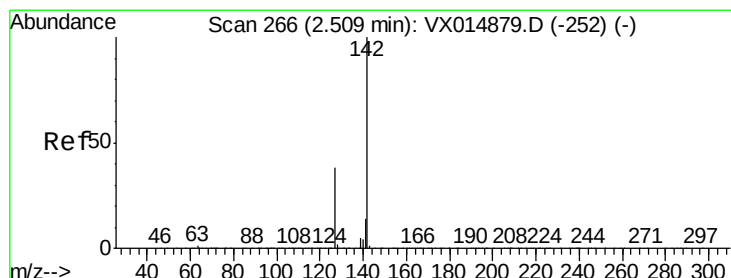
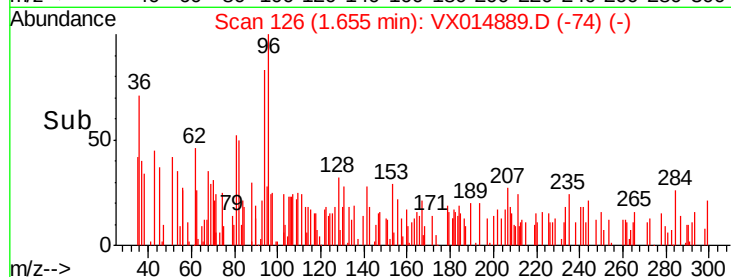
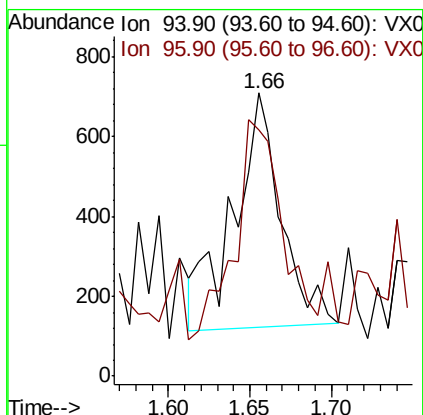
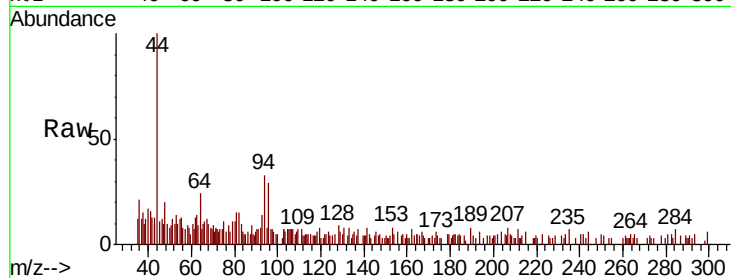
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 1187

Ion Ratio Lower Upper

94 100

96 91.3 73.7 110.5



#10

Methyl Iodide

Concen: 4.536 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX014889.D

Acq: 10 Feb 2020 15:45

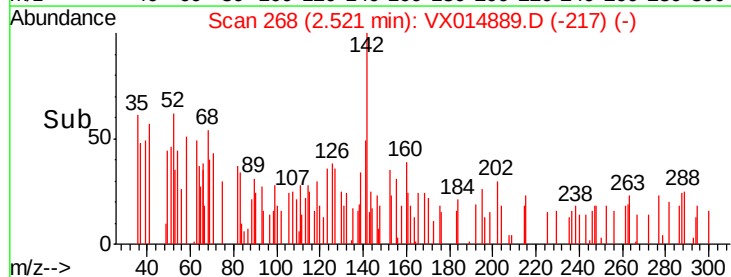
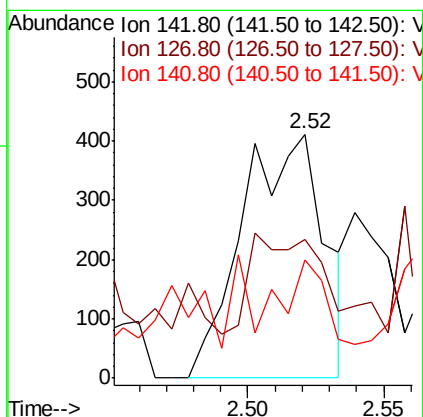
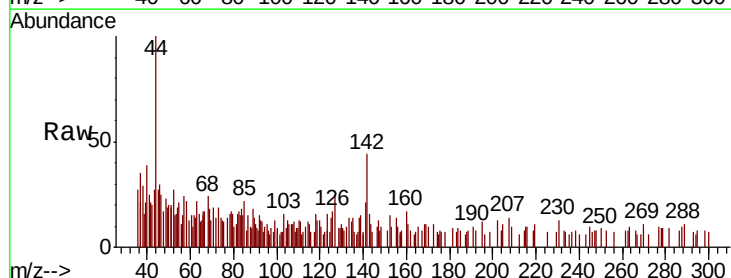
Tgt Ion: 142 Resp: 862

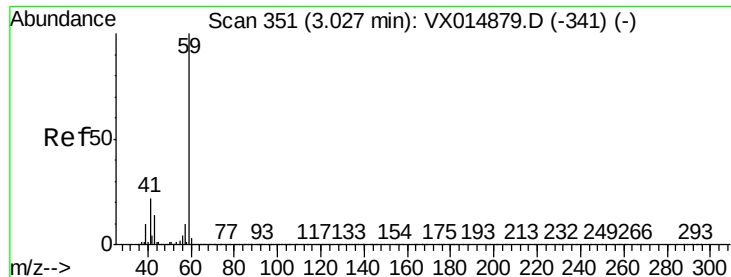
Ion Ratio Lower Upper

142 100

127 0.0 31.1 46.7#

141 20.6 11.3 16.9#



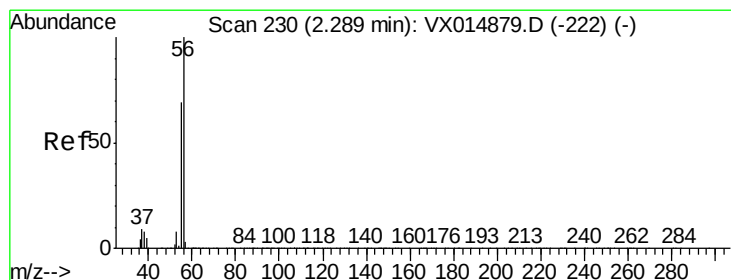
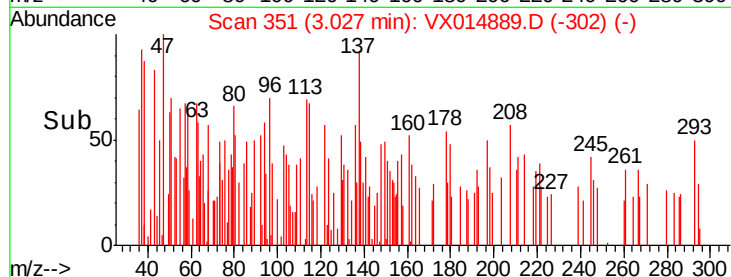
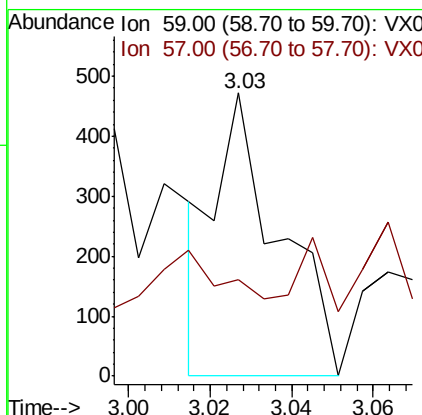
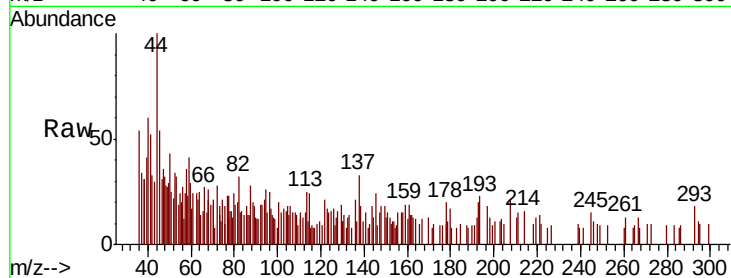


#11

Tert butyl alcohol
 Concen: 0.567 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX014889.D
 Acq: 10 Feb 2020 15:45

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

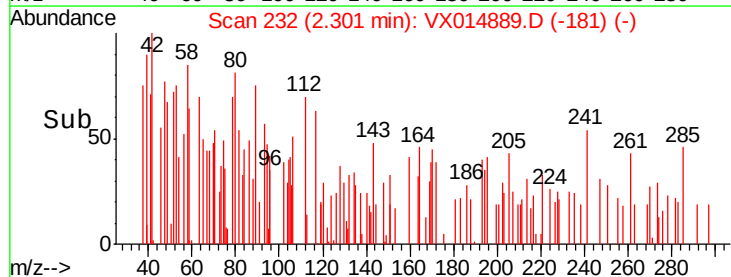
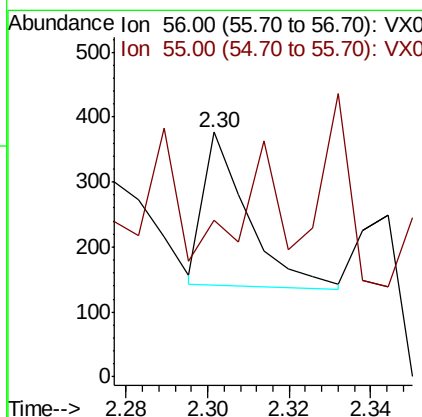
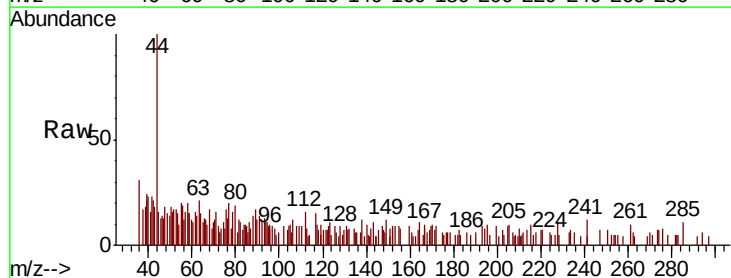
Tot Ion: 59 Resp: 507
 Ion Ratio Lower Upper
 59 100
 57 39.8 8.2 12.4#

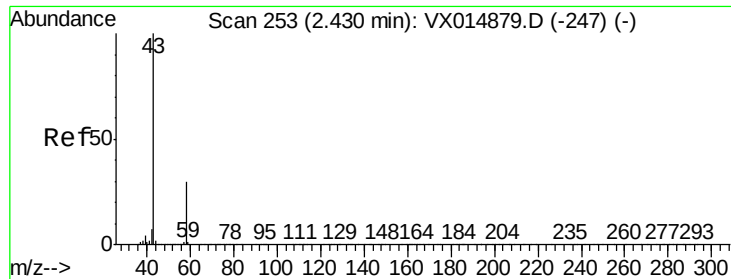


#13

Acrolein
 Concen: 0.259 ug/l
 RT: 2.30 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VX014889.D
 Acq: 10 Feb 2020 15:45

Tgt Ion: 56 Resp: 177
 Ion Ratio Lower Upper
 56 100
 55 41.8 55.0 82.4#

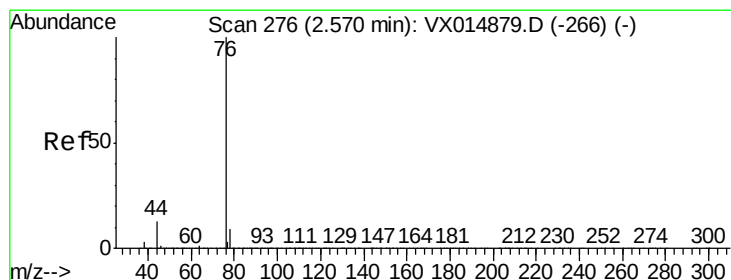
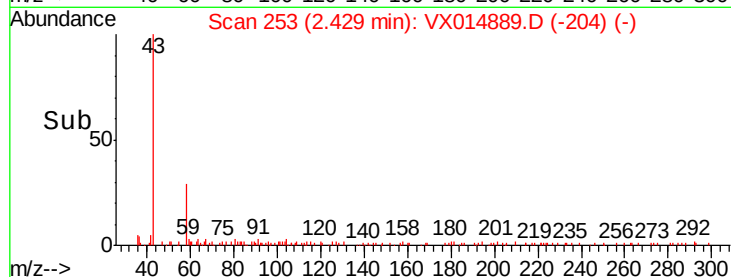
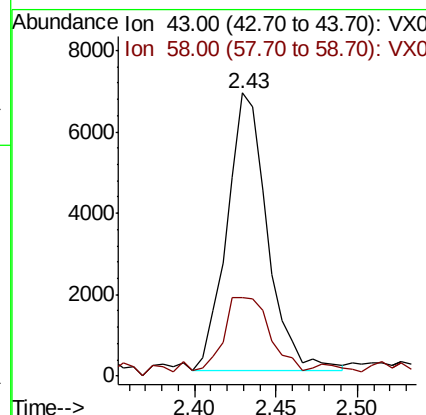
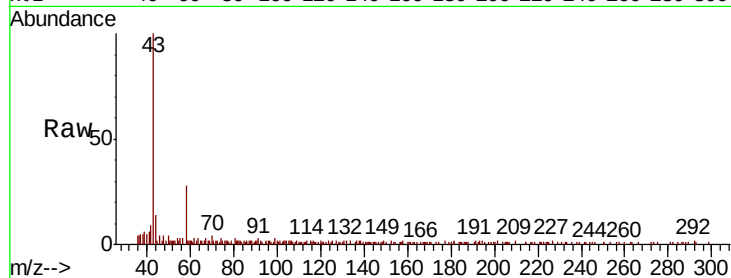




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014889.D
Acq: 10 Feb 2020 15:45

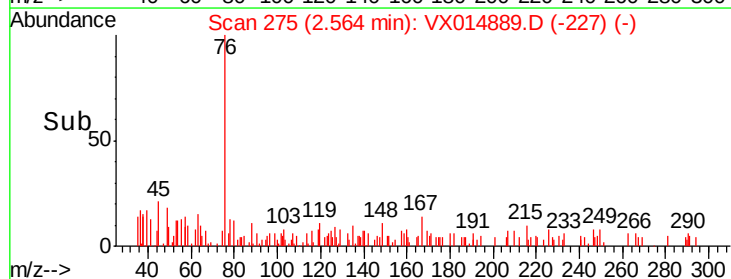
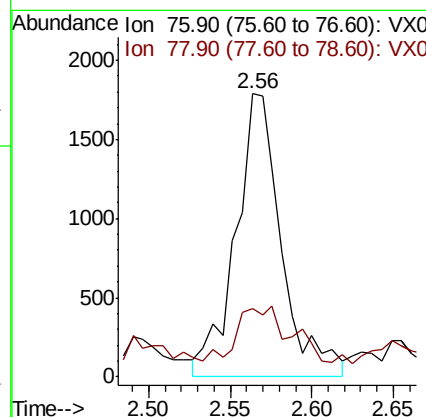
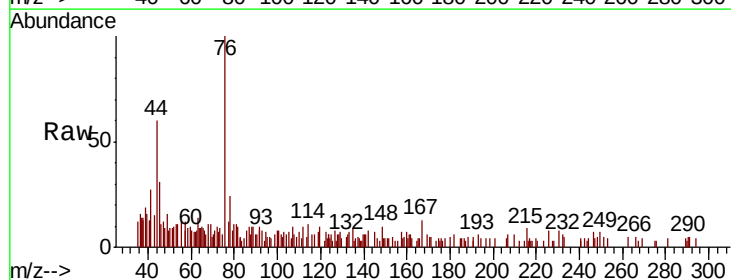
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

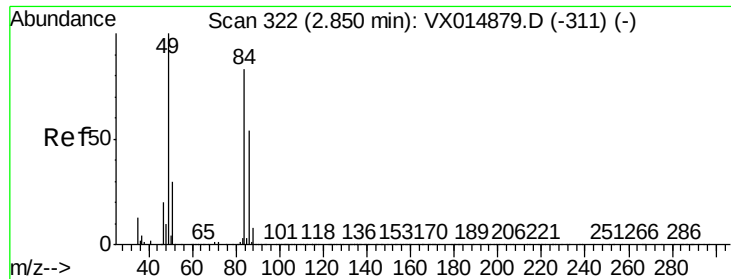
Tot Ion: 43 Resp: 11679
Ion Ratio Lower Upper
43 100
58 25.4 24.1 36.1



#17
Carbon Disulfide
Concen: 0.304 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.01 min
Lab File: VX014889.D
Acq: 10 Feb 2020 15:45

Tgt Ion: 76 Resp: 3492
Ion Ratio Lower Upper
76 100
78 18.4 7.4 11.0#

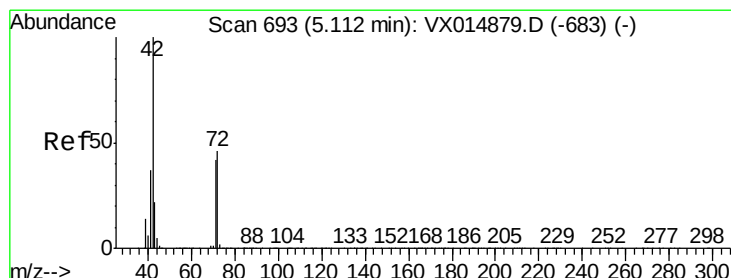
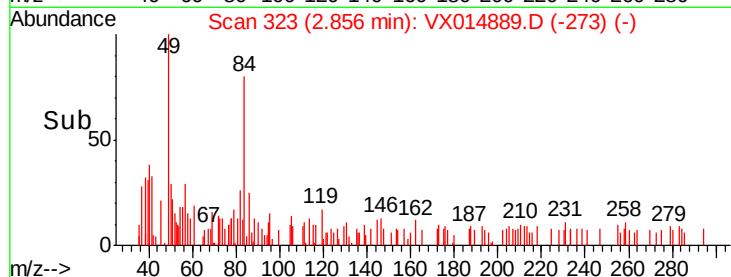
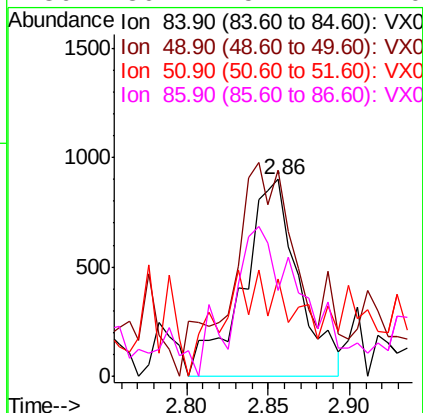
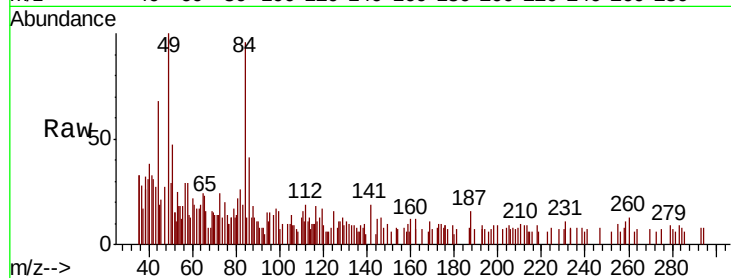




#20
Methylene Chloride
Concen: 0.435 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014889.D
Acq: 10 Feb 2020 15:45

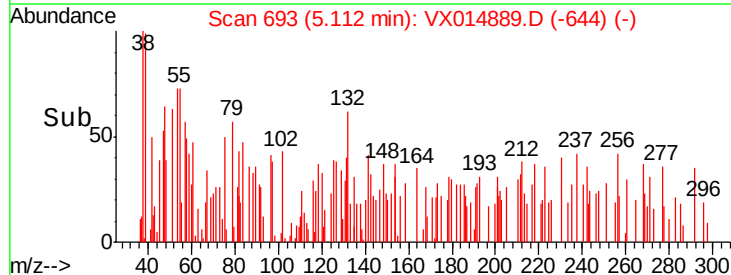
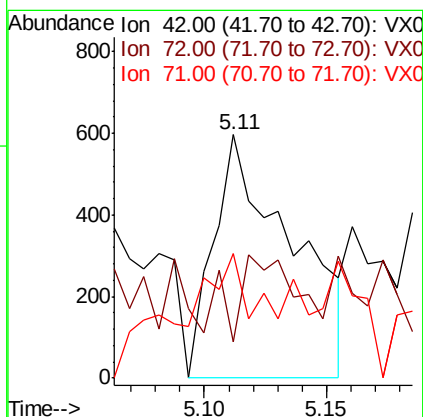
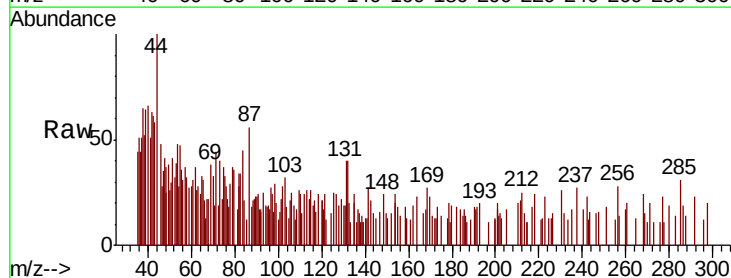
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

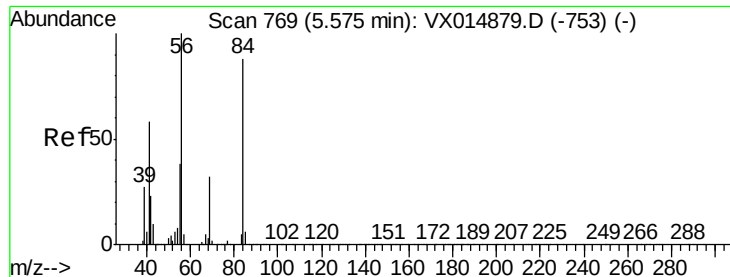
Tot Ion:	84	Resp:	2122
Ion	Ratio	Lower	Upper
84	100		
49	82.9	95.6	143.4#
51	49.4	29.0	43.6#
86	30.4	51.4	77.0#



#29
Tetrahydrofuran
Concen: 0.676 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX014889.D
Acq: 10 Feb 2020 15:45

Tgt Ion:	42	Resp:	1326
Ion	Ratio	Lower	Upper
42	100		
72	23.8	36.9	55.3#
71	53.5	34.1	51.1#

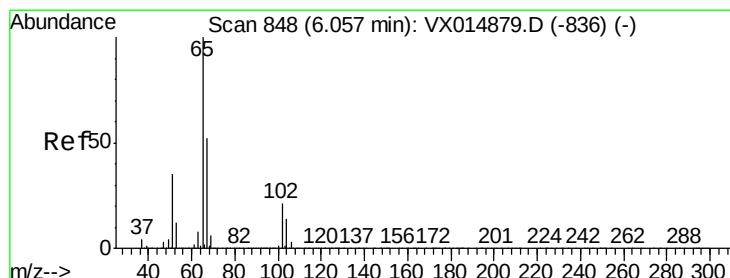
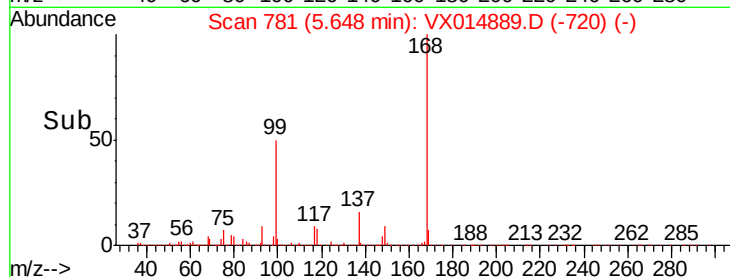
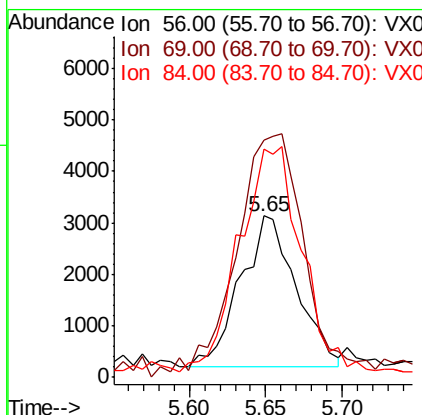
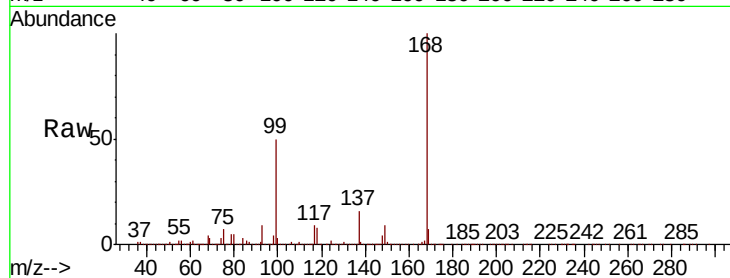




#31
Cyclohexane
Concen: 1.028 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.07 min
Lab File: VX014889.D
Acq: 10 Feb 2020 15:45

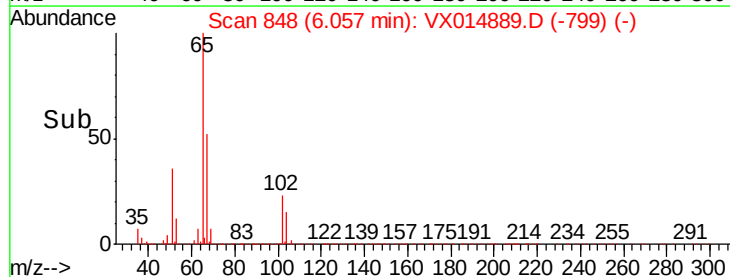
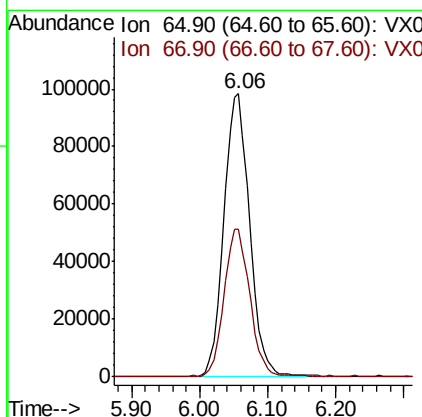
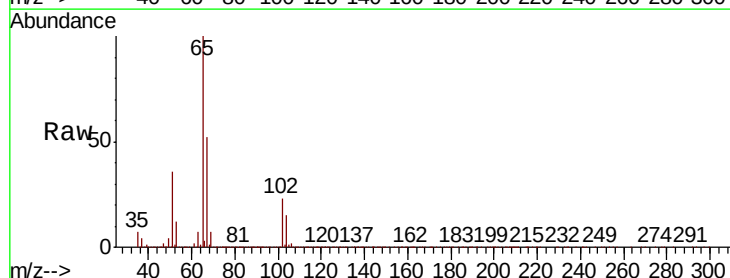
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

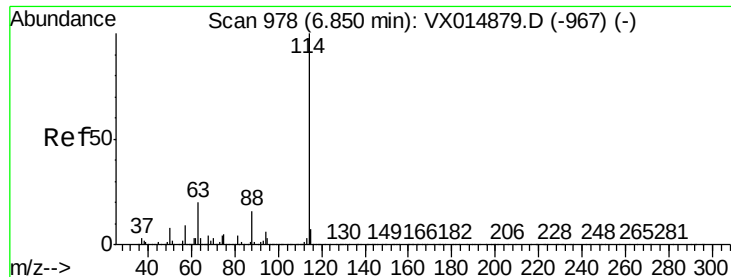
Tot Ion: 56 Resp: 7364
Ion Ratio Lower Upper
56 100
69 153.0 25.9 38.9#
84 142.5 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 51.070 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX014889.D
Acq: 10 Feb 2020 15:45

Tgt Ion: 65 Resp: 258866
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014889.D

Acq: 10 Feb 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

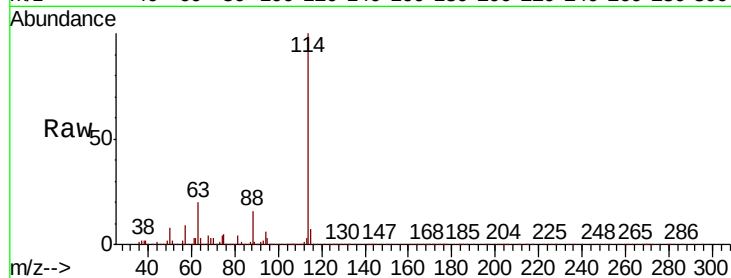
Tot Ion:114 Resp: 692695

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

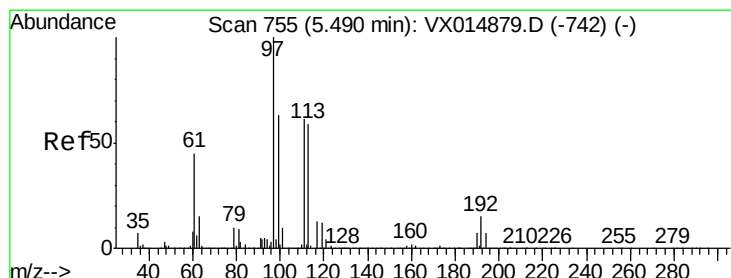
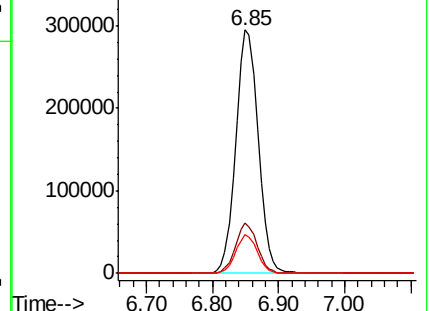
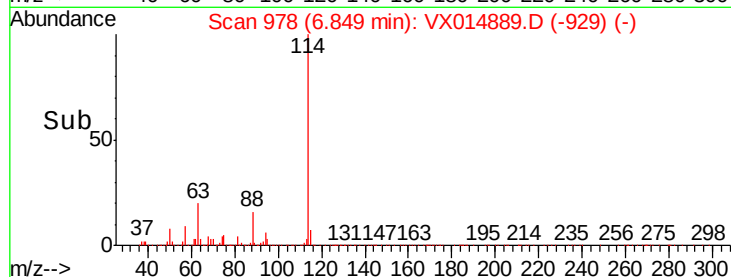
88 15.7 0.0 32.0



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: 50.177 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014889.D

Acq: 10 Feb 2020 15:45

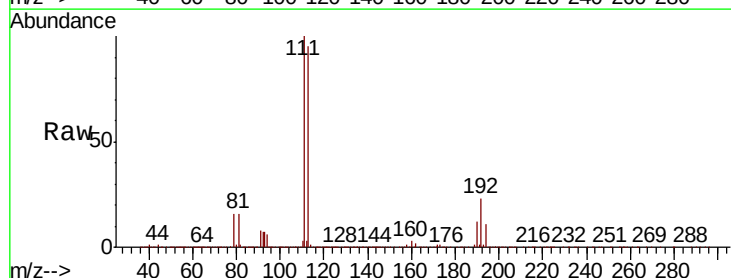
Tgt Ion:113 Resp: 213680

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

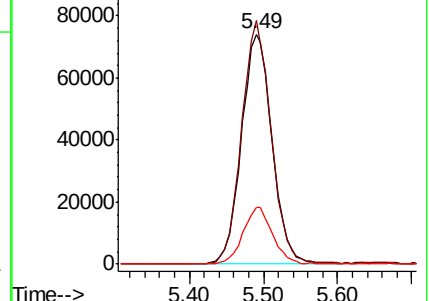
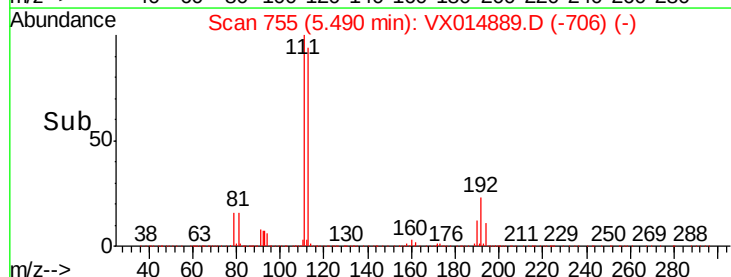
192 23.8 19.1 28.7

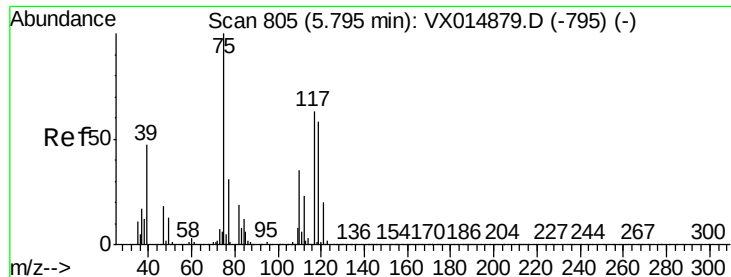


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

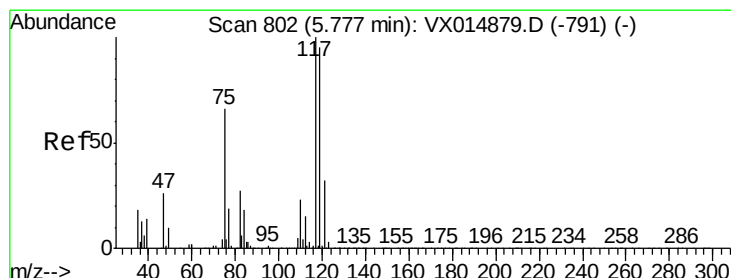
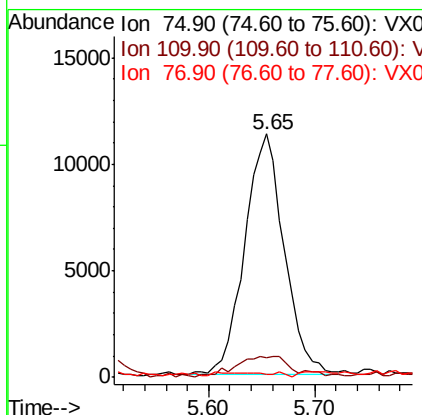
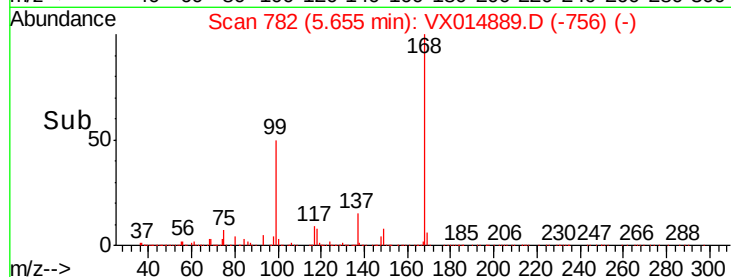
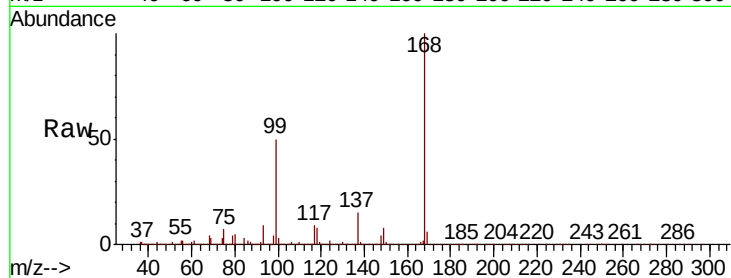




#36
 1,1-Dichloropropene
 Concen: 4.730 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014889.D
 Acq: 10 Feb 2020 15:45

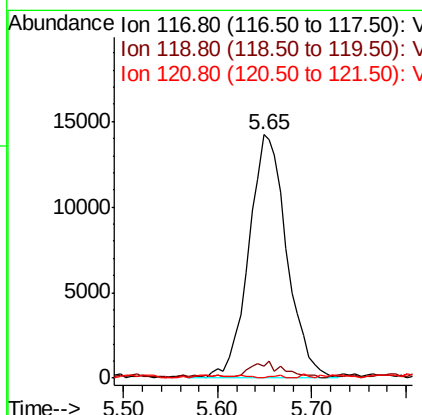
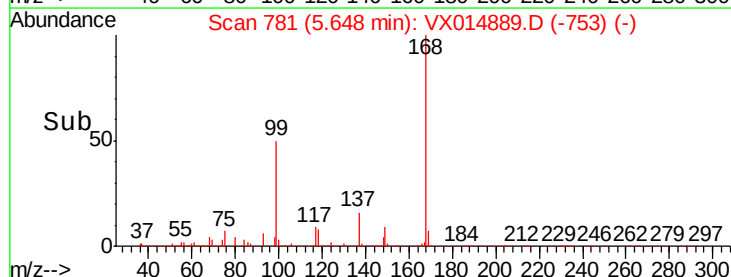
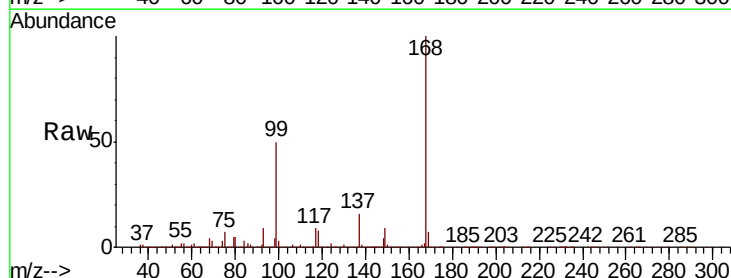
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

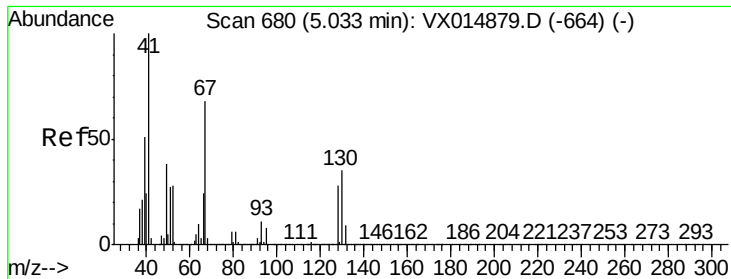
Tot Ion	Ratio	Lower	Upper
75	100		
110	13.2	18.3	54.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.681 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014889.D
 Acq: 10 Feb 2020 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.0	114.0#
121	0.0	25.4	38.2#





#41

Methacrylonitrile

Concen: 0.211 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX014889.D

Acq: 10 Feb 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion: 41 Resp: 733

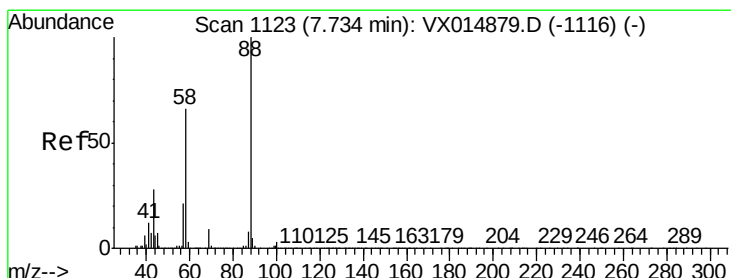
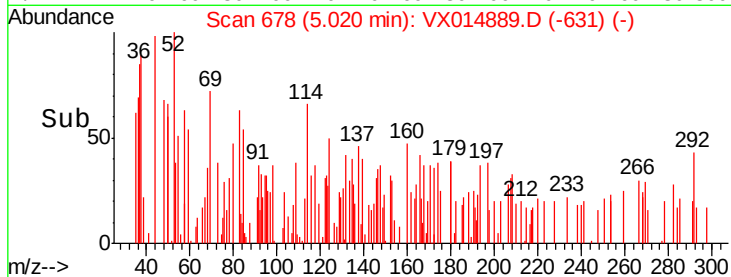
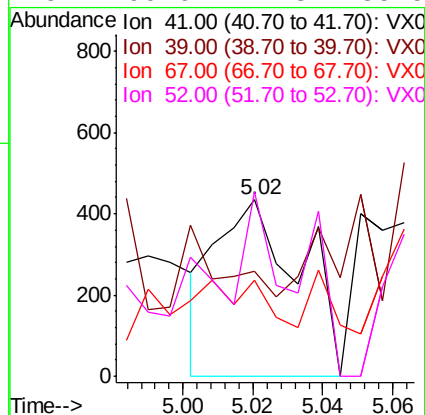
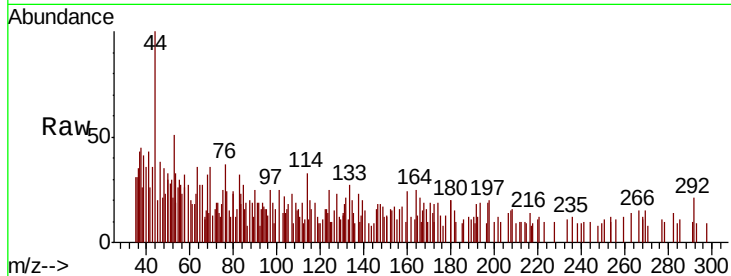
Ion Ratio Lower Upper

41 100

39 13.5 44.7 67.1#

67 0.0 56.6 84.8#

52 99.6 22.3 33.5#



#49

1,4-Dioxane

Concen: 5.464 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX014889.D

Acq: 10 Feb 2020 15:45

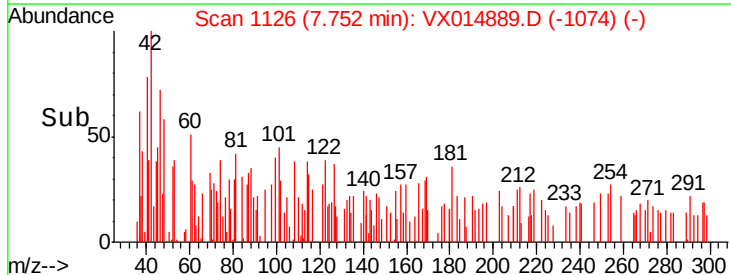
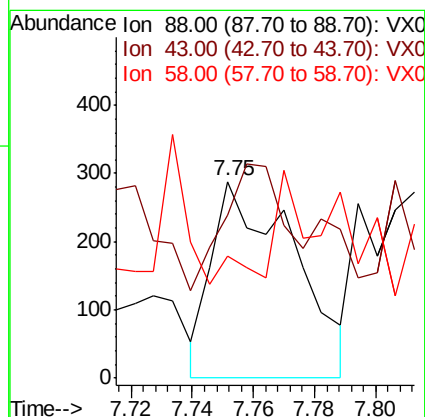
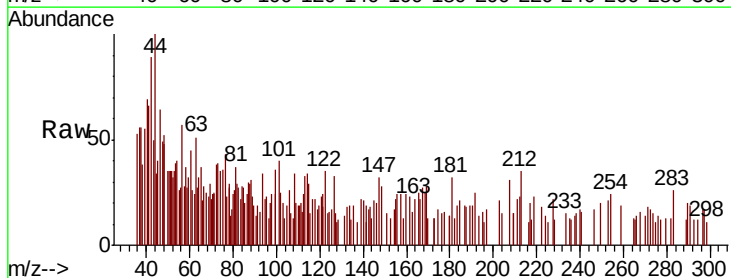
Tgt Ion: 88 Resp: 536

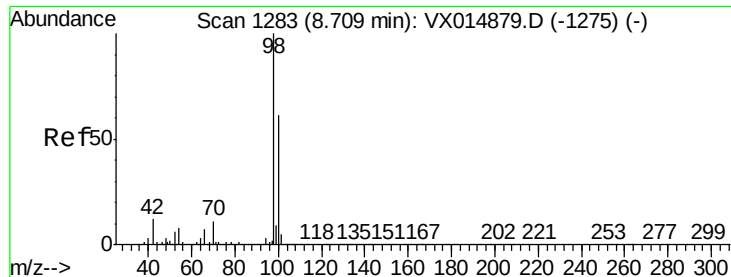
Ion Ratio Lower Upper

88 100

43 47.4 27.0 40.4#

58 20.9 53.2 79.8#





#50

Toluene-d8

Concen: 50.979 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014889.D

Acq: 10 Feb 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

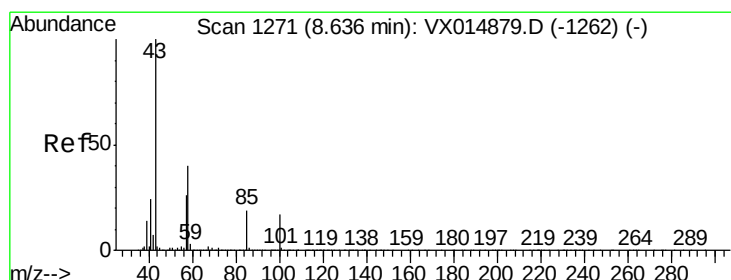
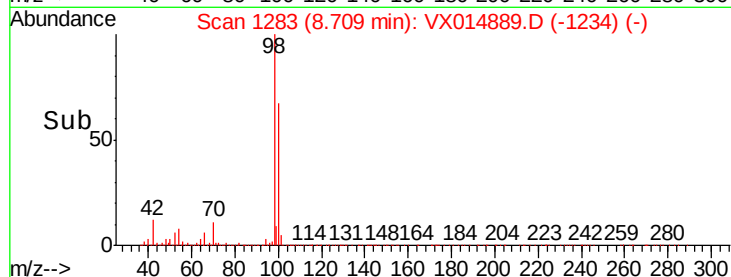
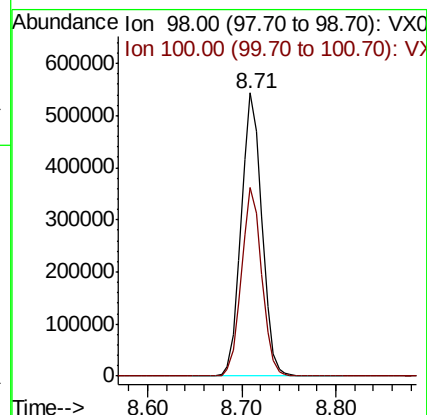
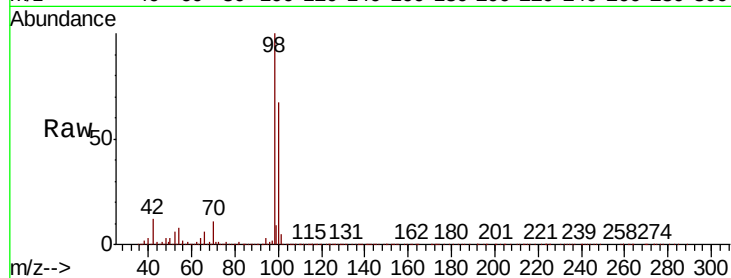
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 828681

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 0.241 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX014889.D

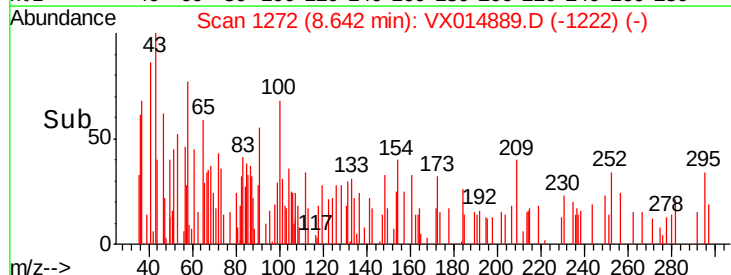
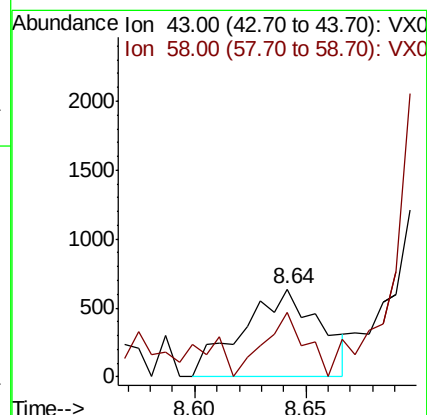
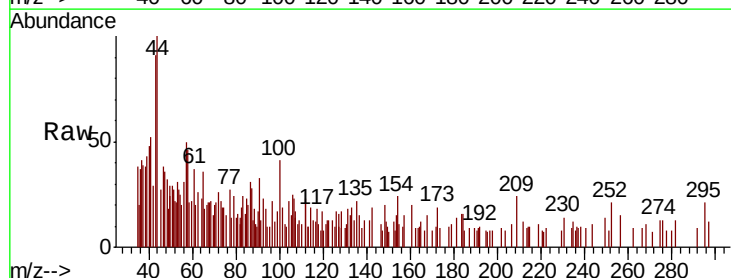
Acq: 10 Feb 2020 15:45

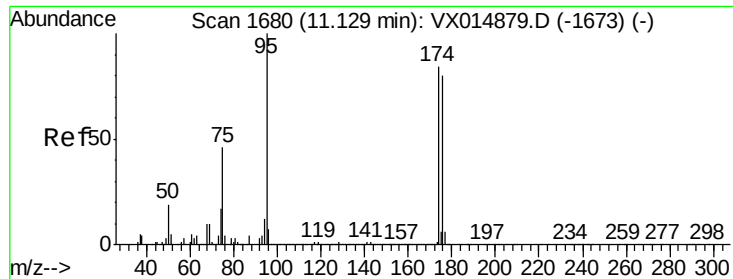
Tgt Ion: 43 Resp: 1552

Ion Ratio Lower Upper

43 100

58 38.1 31.9 47.9

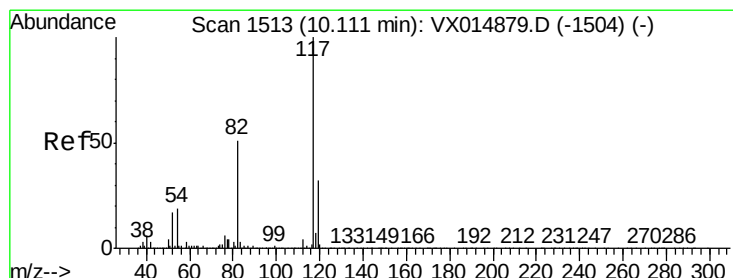
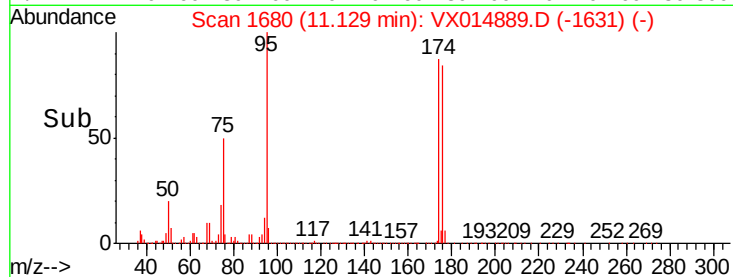
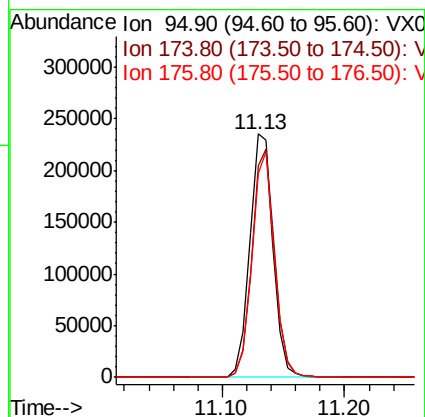
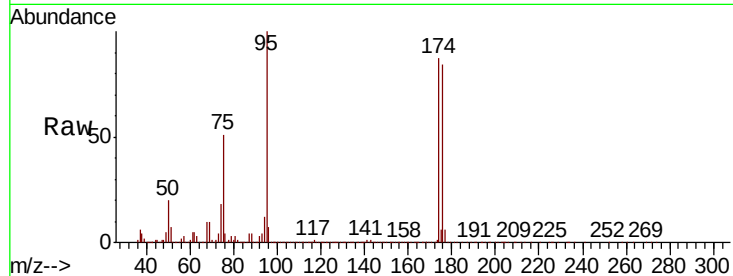




#62
4-Bromofluorobenzene
Concen: 52.984 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014889.D
Acq: 10 Feb 2020 15:45

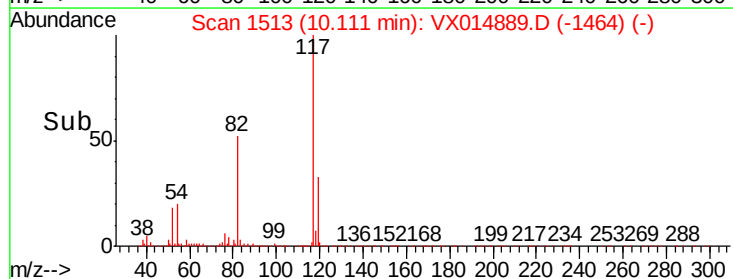
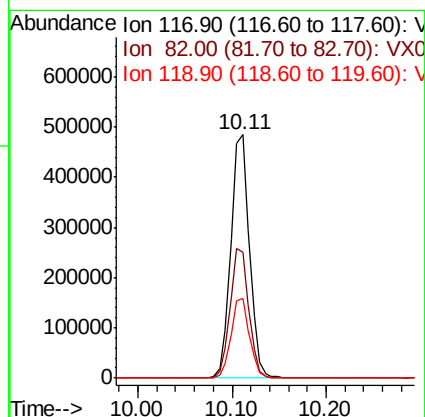
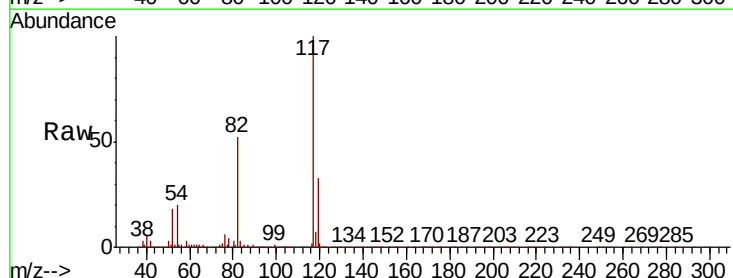
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

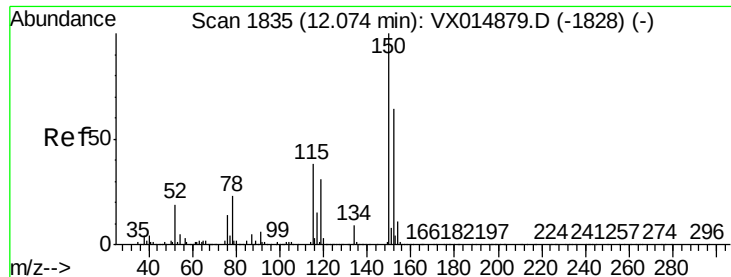
Tot Ion: 95 Resp: 310254
Ion Ratio Lower Upper
95 100
174 92.4 0.0 183.0
176 89.8 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014889.D
Acq: 10 Feb 2020 15:45

Tgt Ion: 117 Resp: 665076
Ion Ratio Lower Upper
117 100
82 51.8 40.5 60.7
119 32.6 25.8 38.6

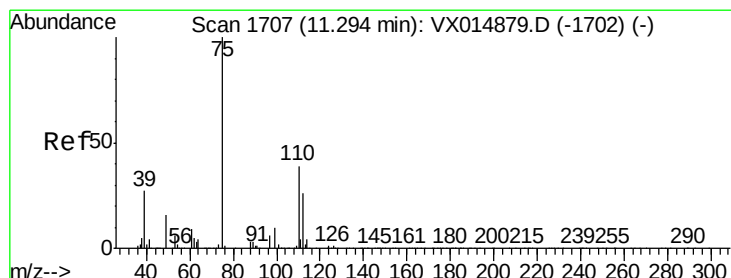
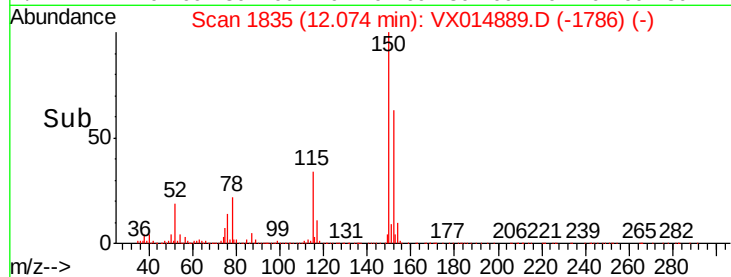
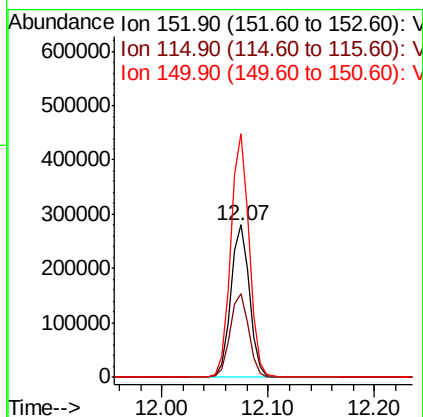
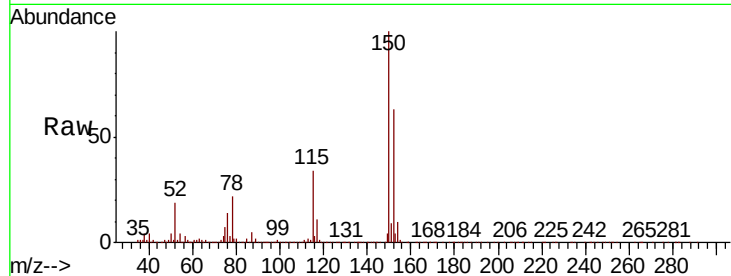




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX014889.D
 Acq: 10 Feb 2020 15:45

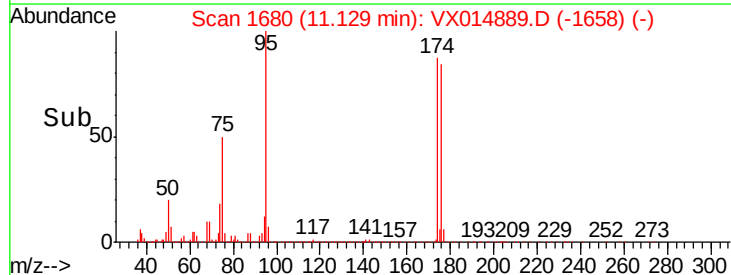
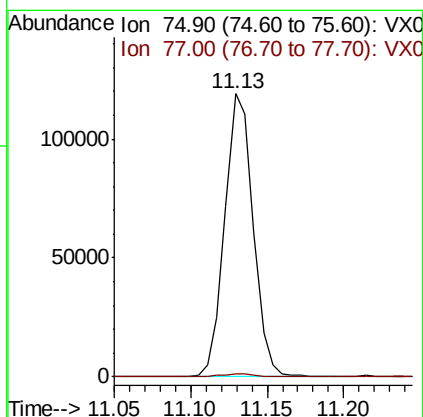
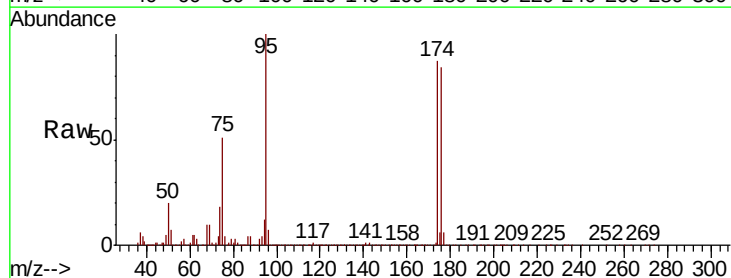
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

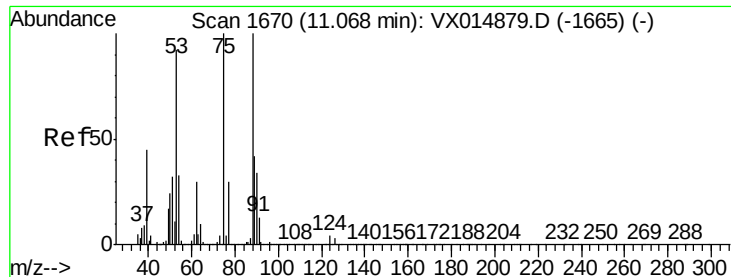
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.6	116.0
150	156.9	0.0	349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.433 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014889.D
 Acq: 10 Feb 2020 15:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	18.4	55.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.542 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014889.D

Acq: 10 Feb 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

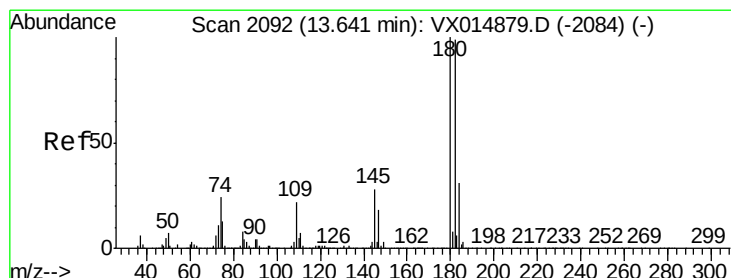
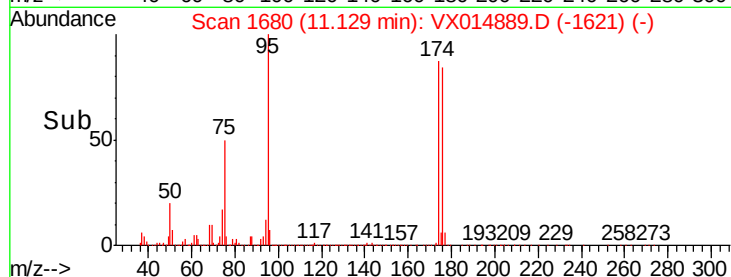
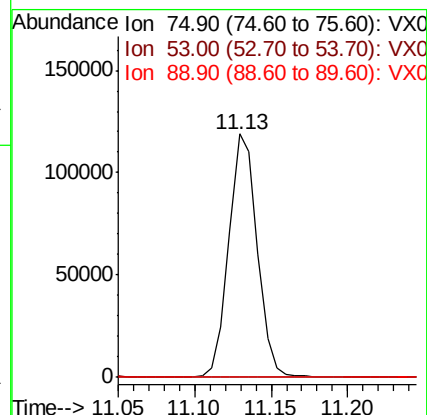
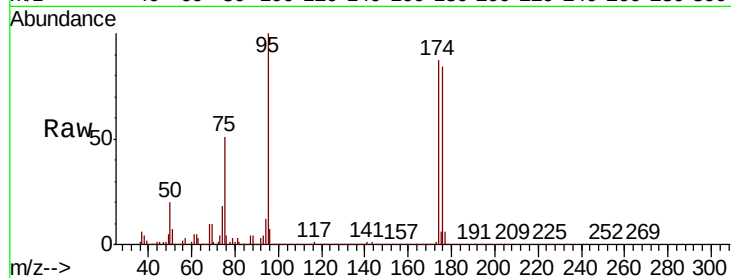
Tot Ion: 75 Resp: 152656

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.2 35.8 53.6#



#93

1,2,4-Trichlorobenzene

Concen: 0.263 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX014889.D

Acq: 10 Feb 2020 15:45

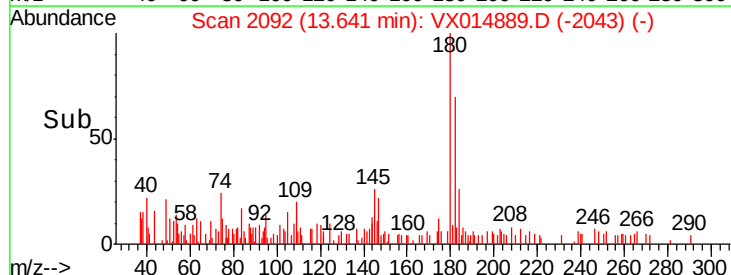
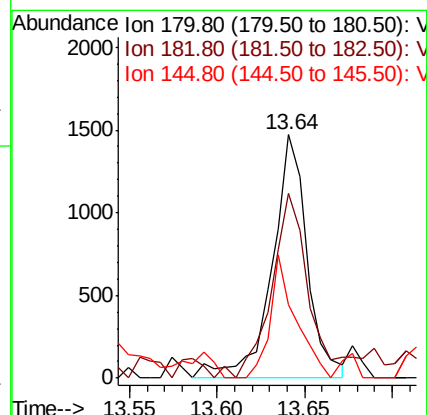
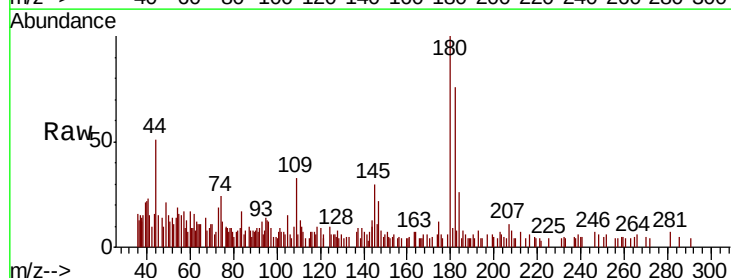
Tgt Ion: 180 Resp: 2063

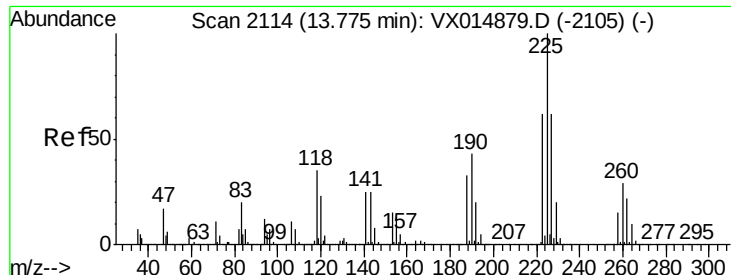
Ion Ratio Lower Upper

180 100

182 79.6 48.4 145.3

145 37.0 14.1 42.4





#94

Hexachlorobutadiene

Concen: 0.205 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX014889.D

Acq: 10 Feb 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion:225 Resp: 780

Ion Ratio Lower Upper

225 100

223 54.5 31.1 93.2

227 70.1 30.9 92.5

