

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052121\
 Data File : VX022120.D
 Acq On : 21 May 2021 17:03
 Operator : JC/MD
 Sample : M2481-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CITY-WATER

Quant Time: May 22 04:56:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

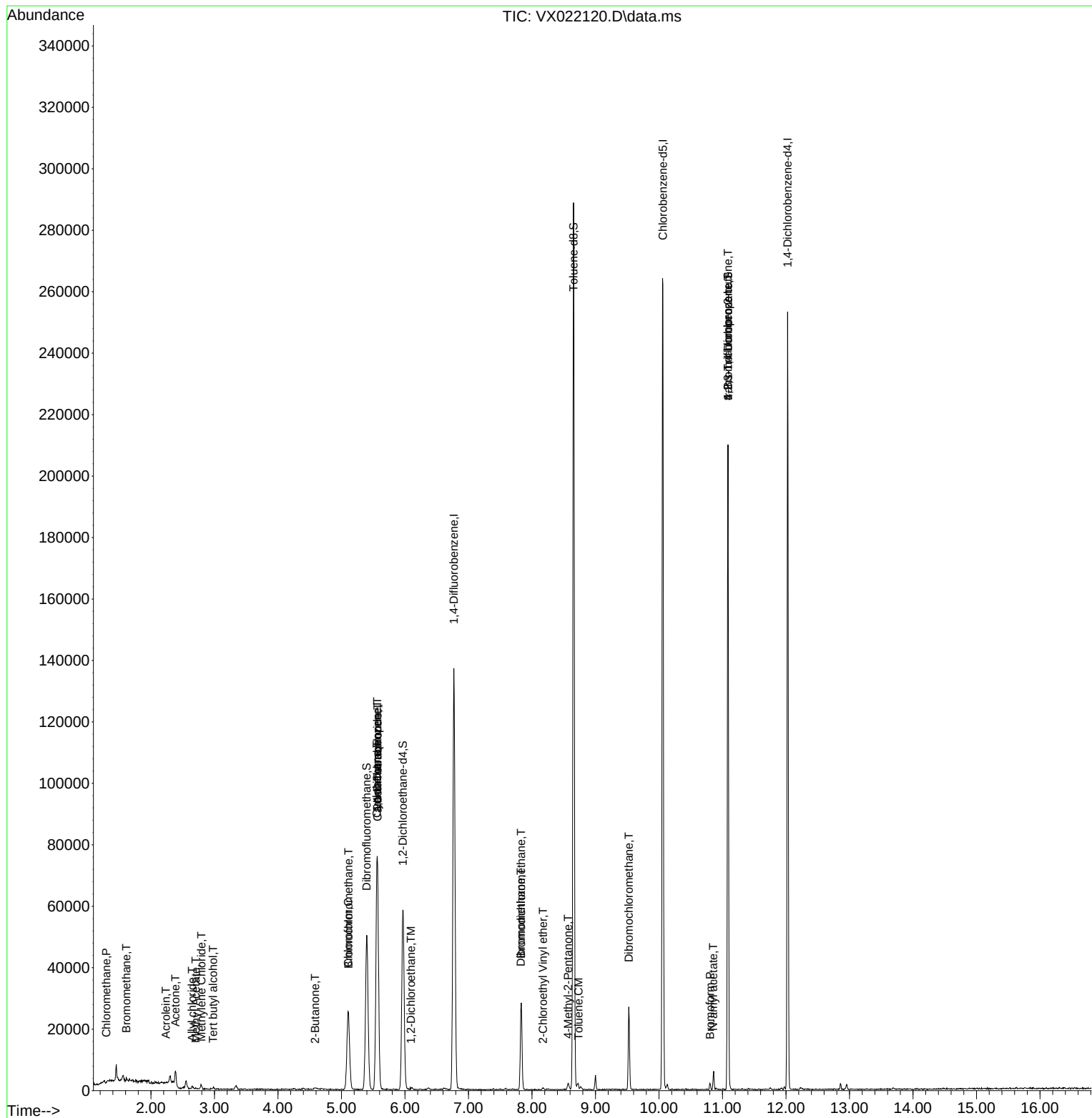
Internal Standards						
1) Pentafluorobenzene	5.562	168	67588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	137333	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	118687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46626	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	53598	51.41	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.82%			
35) Dibromofluoromethane	5.397	113	42429	48.72	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.44%			
50) Toluene-d8	8.653	98	163010	48.59	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.18%			
62) 4-Bromofluorobenzene	11.085	95	57298	46.21	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.42%			
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	229	0.26	ug/l #	68
5) Bromomethane	1.612	94	251	0.46	ug/l #	65
11) Tert butyl alcohol	2.977	59	578	2.42	ug/l #	73
13) Acrolein	2.233	56	120	0.76	ug/l #	1
14) Allyl chloride	2.648	41	983	0.69	ug/l #	38
16) Acetone	2.386	43	5307	11.69	ug/l #	85
18) Methyl Acetate	2.703	43	420	0.35	ug/l #	47
20) Methylene Chloride	2.794	84	370	0.37	ug/l #	63
25) 2-Butanone	4.587	43	713	0.97	ug/l #	45
28) Bromochloromethane	5.111	49	2652	3.40	ug/l #	9
30) Chloroform	5.105	83	29370	17.68	ug/l	97
31) Cyclohexane	5.556	56	1946	1.49	ug/l #	41
36) 1,1-Dichloropropene	5.562	75	6401	5.04	ug/l #	49
38) Carbon Tetrachloride	5.568	117	7220	5.81	ug/l #	15
42) 1,2-Dichloroethane	6.092	62	566	0.41	ug/l #	73
46) Dibromomethane	7.824	93	629	0.93	ug/l #	2
47) Bromodichloromethane	7.830	83	17621	13.02	ug/l	96
51) 4-Methyl-2-Pentanone	8.568	43	2459	1.61	ug/l #	32
52) Toluene	8.732	92	648	0.26	ug/l	77
58) 2-Chloroethyl Vinyl ether	8.171	63	655	0.75	ug/l #	45
60) Dibromochloromethane	9.525	129	9243	9.46	ug/l	100
71) Bromoform	10.805	173	667	2.40	ug/l #	88
74) N-amyl acetate	10.854	43	786	0.42	ug/l #	14
76) 1,2,3-Trichloropropane	11.085	75	29747	25.86	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	29747	61.27	ug/l #	12

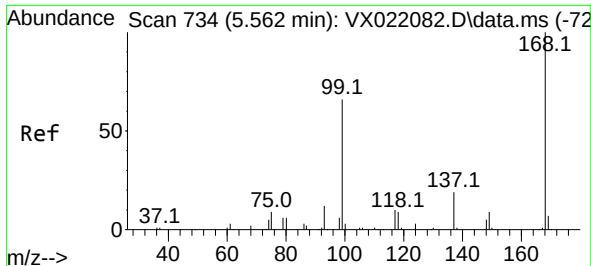
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
CITY-WATER

Quant Time: May 22 04:56:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration

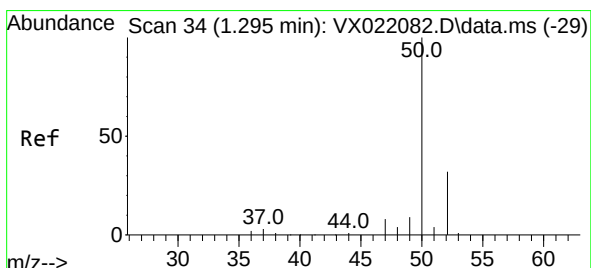
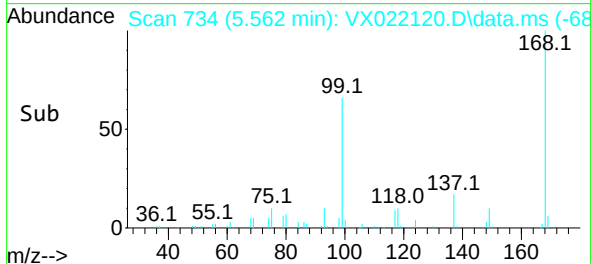
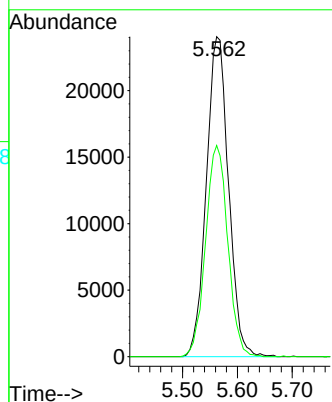
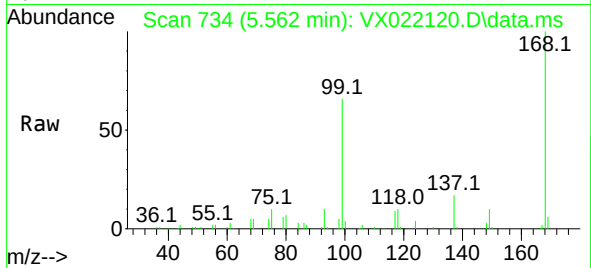




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

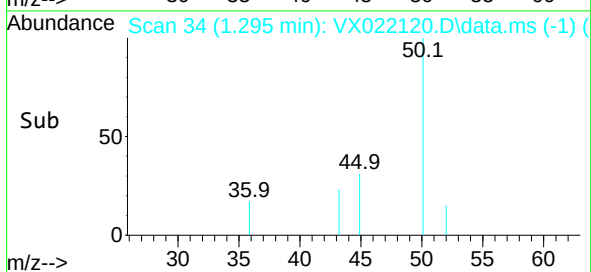
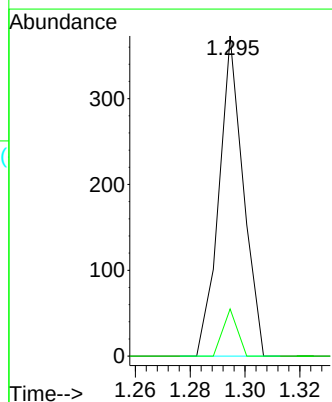
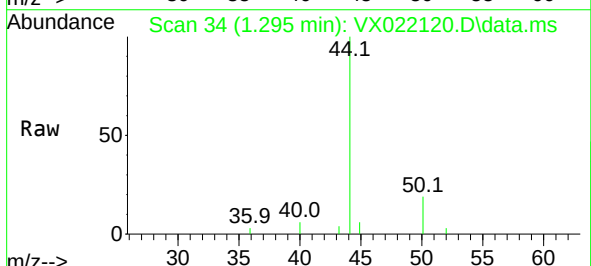
Instrument :
MSVOA_X
ClientSampleId :
CITY-WATER

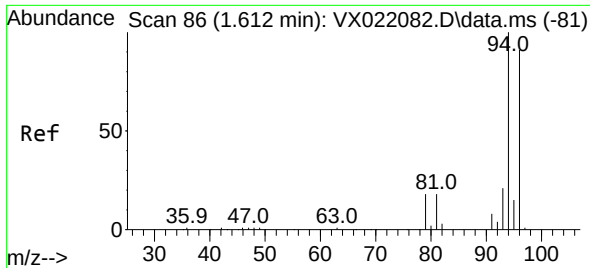
Tgt Ion:168 Resp: 67588
Ion Ratio Lower Upper
168 100
99 66.0 45.8 68.6



#3
Chloromethane
Concen: 0.26 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Tgt Ion: 50 Resp: 229
Ion Ratio Lower Upper
50 100
52 14.7 26.4 39.6#

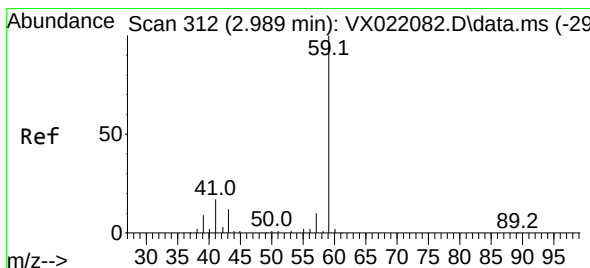
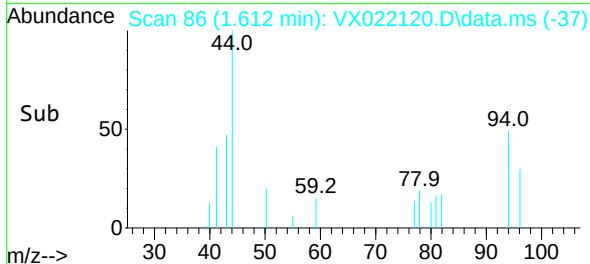
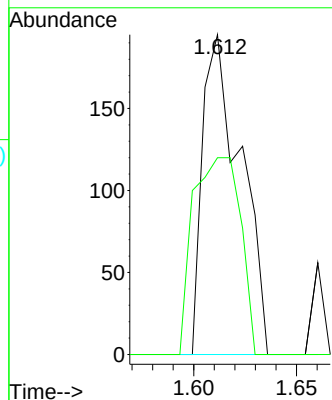
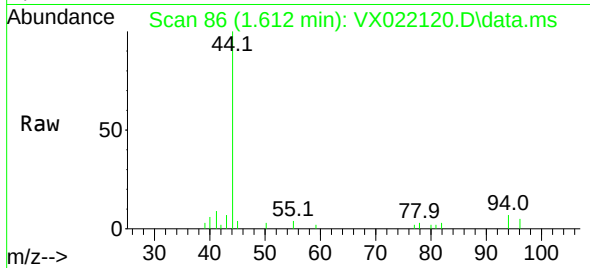




#5
Bromomethane
Concen: 0.46 ug/l
RT: 1.612 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

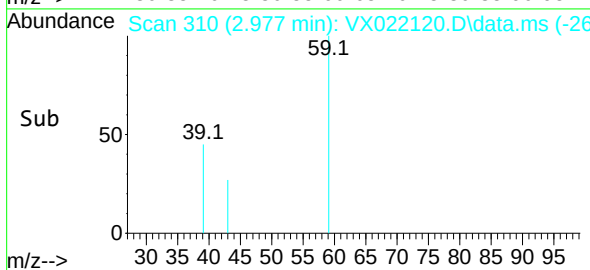
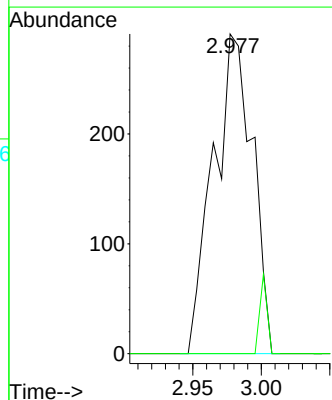
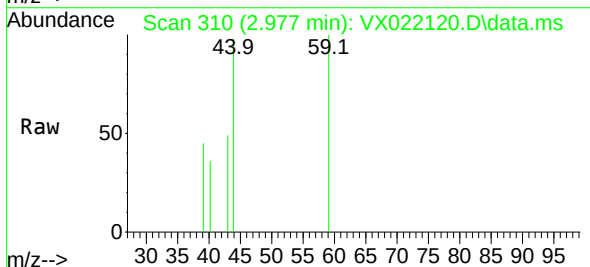
Instrument :
MSVOA_X
ClientSampleId :
CITY-WATER

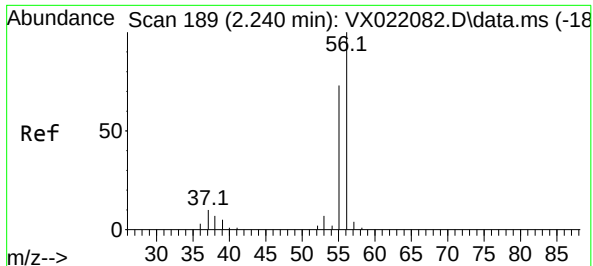
Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 61.5 76.4 114.6#



#11
Tert butyl alcohol
Concen: 2.42 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.012 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Tgt Ion: 59 Resp: 578
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

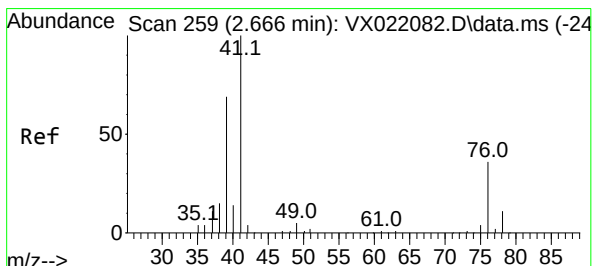
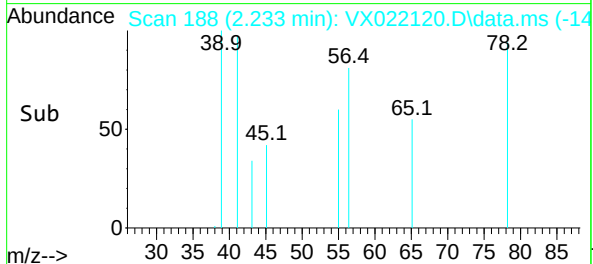
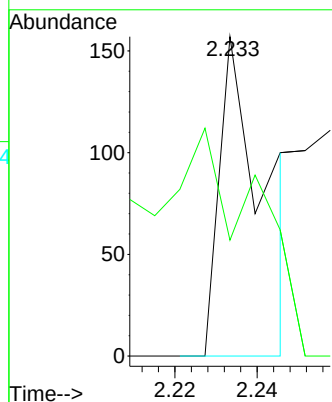
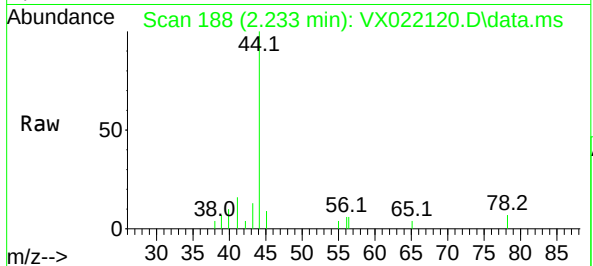




#13
Acrolein
Concen: 0.76 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.007 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

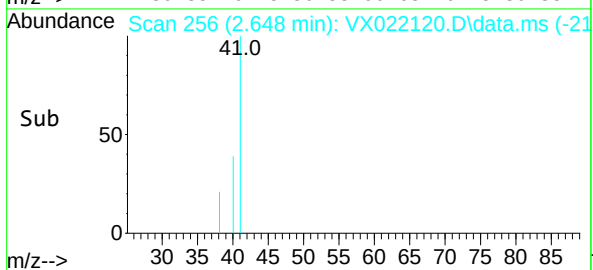
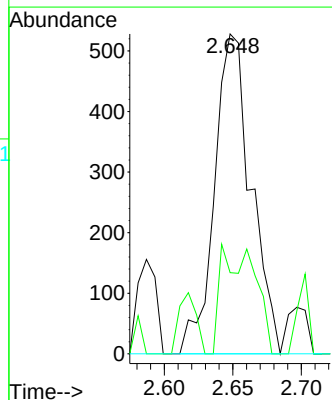
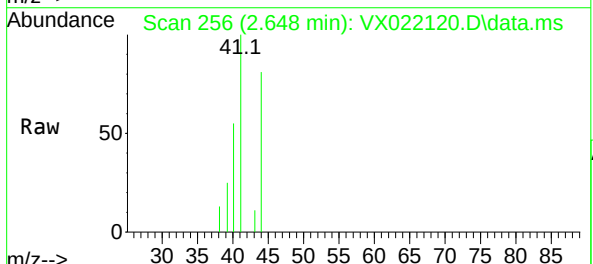
Instrument :
MSVOA_X
ClientSampled :
CITY-WATER

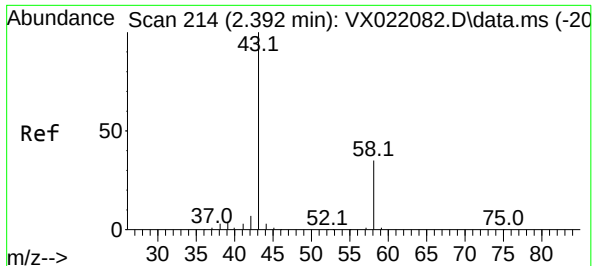
Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 167.5 56.4 84.6#



#14
Allyl chloride
Concen: 0.69 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.018 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

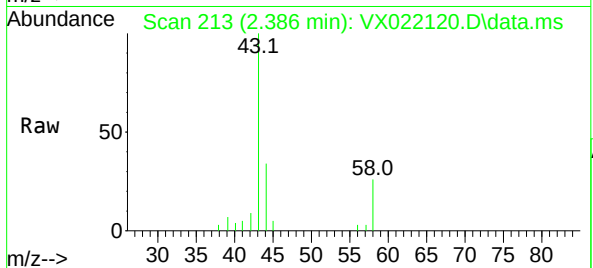
Tgt Ion: 41 Resp: 983
Ion Ratio Lower Upper
41 100
39 16.7 51.6 77.4#
76 0.0 30.5 45.7#



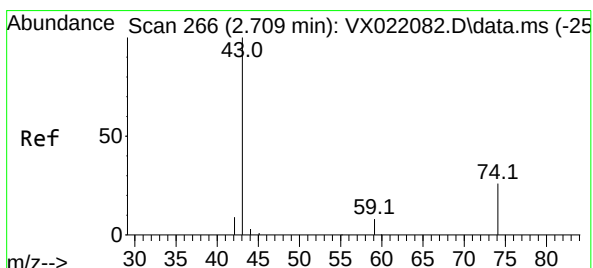
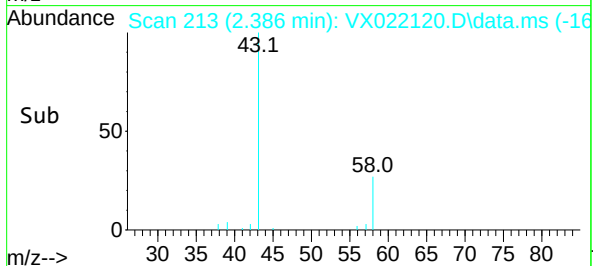
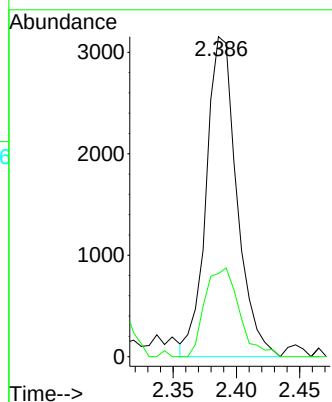


#16
Acetone
Concen: 11.69 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Instrument :
MSVOA_X
ClientSampleId :
CITY-WATER

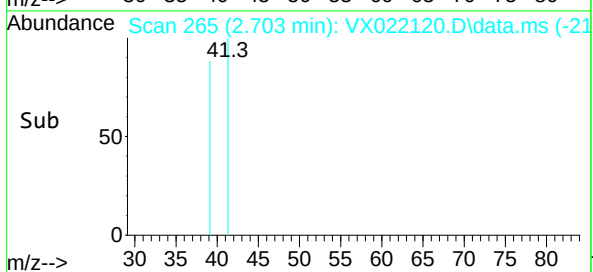
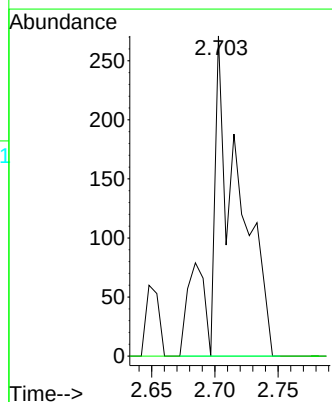
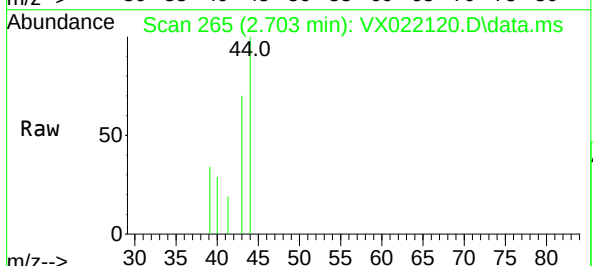


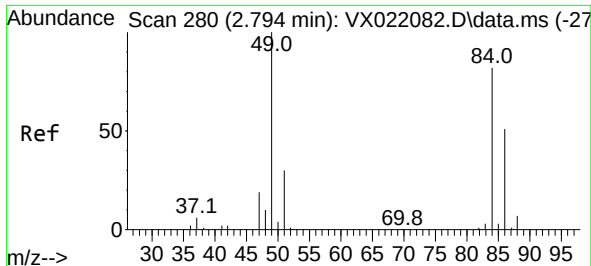
Tgt Ion: 43 Resp: 5307
Ion Ratio Lower Upper
43 100
58 26.0 27.8 41.8#



#18
Methyl Acetate
Concen: 0.35 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.37 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022120.D

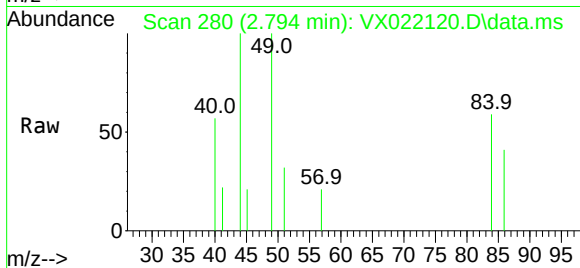
Acq: 21 May 2021 17:03

Instrument :

MSVOA_X

ClientSampled :

CITY-WATER



Tgt Ion: 84 Resp: 370

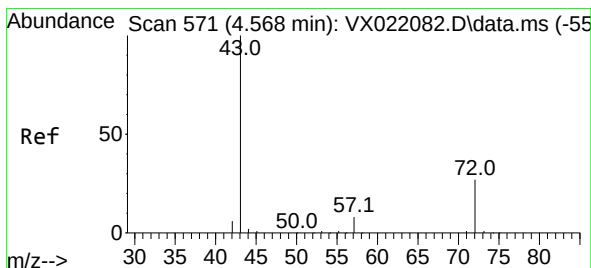
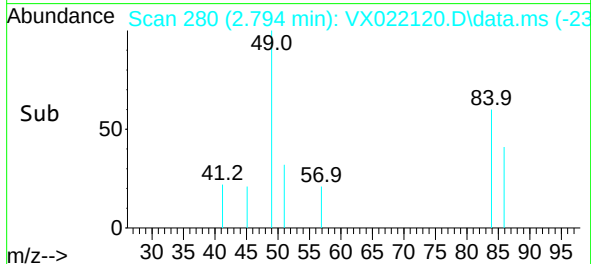
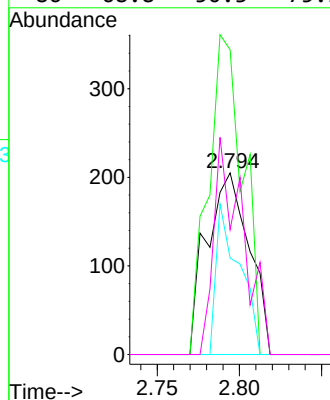
Ion Ratio Lower Upper

84 100

49 167.8 88.6 132.8#

51 53.2 27.0 40.6#

86 68.8 50.3 75.5



#25

2-Butanone

Concen: 0.97 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX022120.D

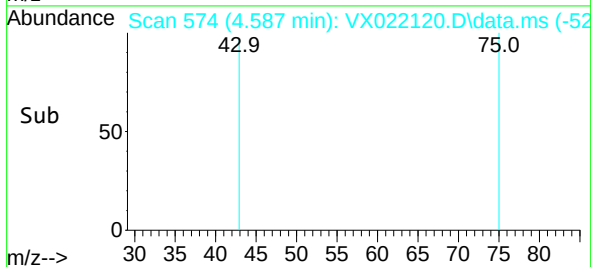
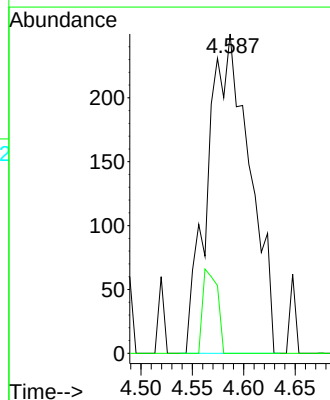
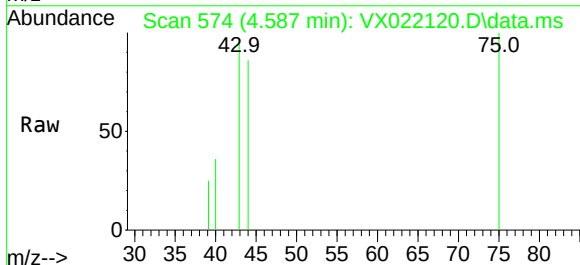
Acq: 21 May 2021 17:03

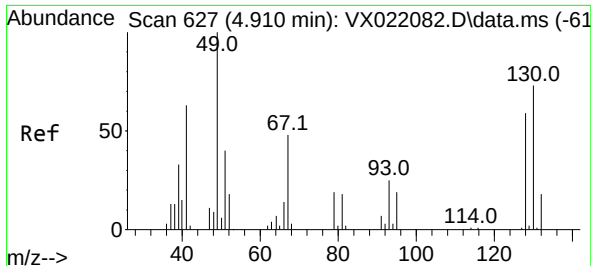
Tgt Ion: 43 Resp: 713

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#

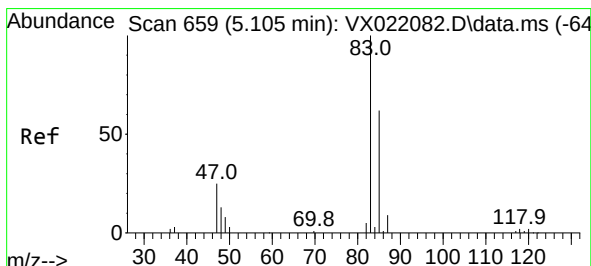
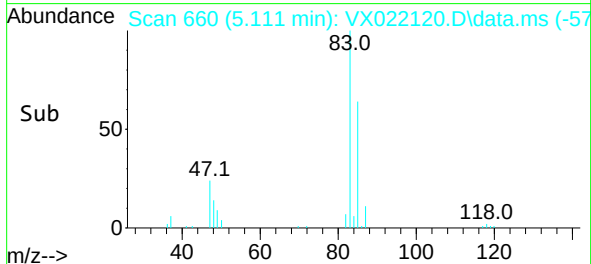
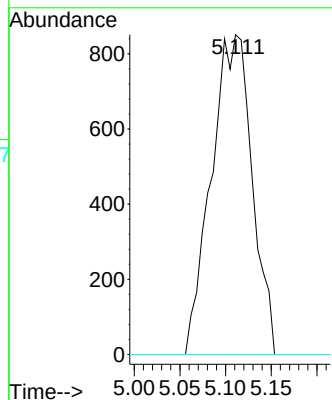
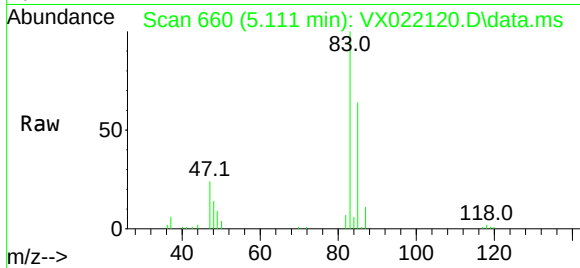




#28
Bromochloromethane
Concen: 3.40 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.201 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

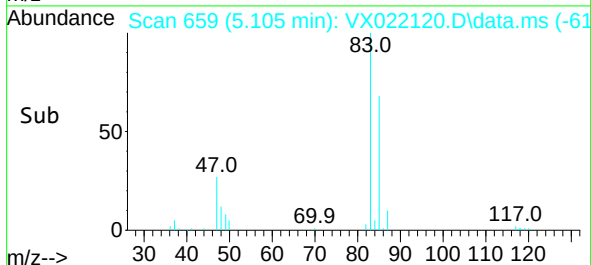
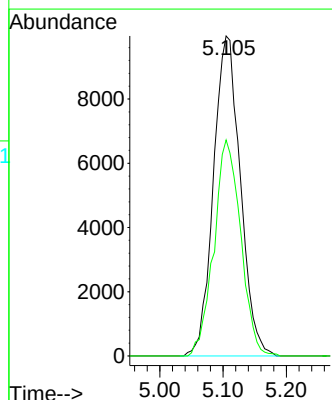
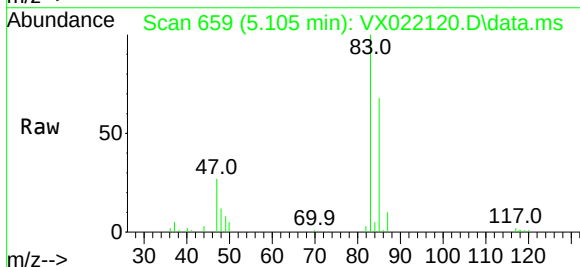
Instrument :
MSVOA_X
ClientSampleId :
CITY-WATER

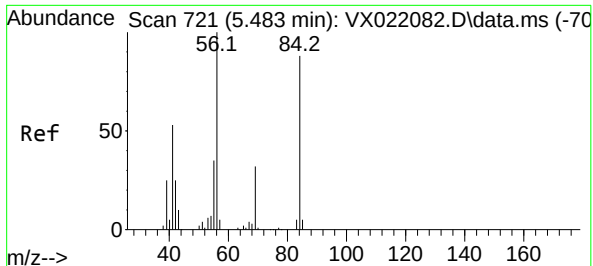
Tgt Ion: 49 Resp: 2652
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#30
Chloroform
Concen: 17.68 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

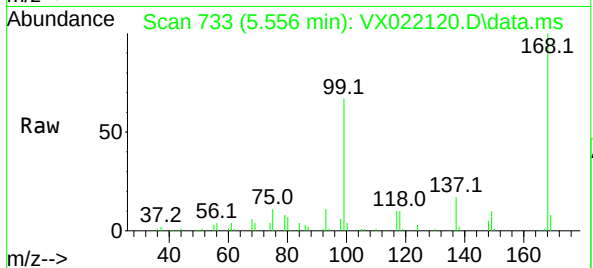
Tgt Ion: 83 Resp: 29370
Ion Ratio Lower Upper
83 100
85 67.5 52.0 78.0



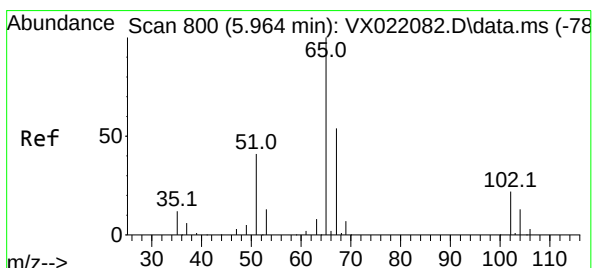
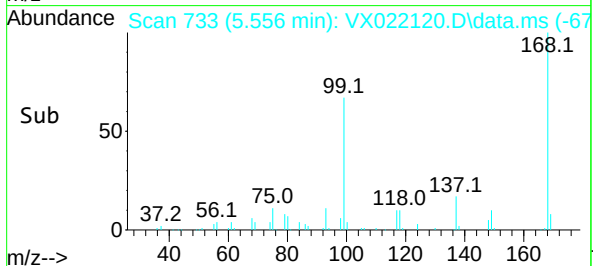
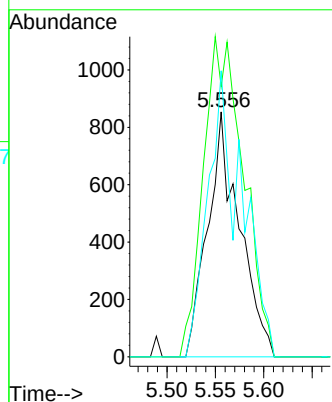


#31
Cyclohexane
Concen: 1.49 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Instrument :
MSVOA_X
ClientSampleId :
CITY-WATER

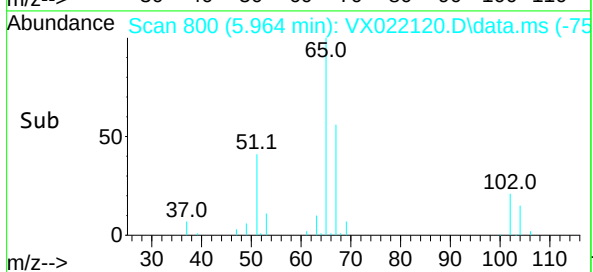
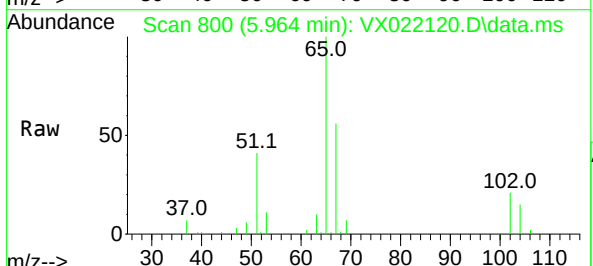
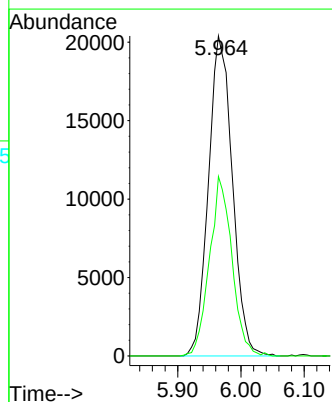


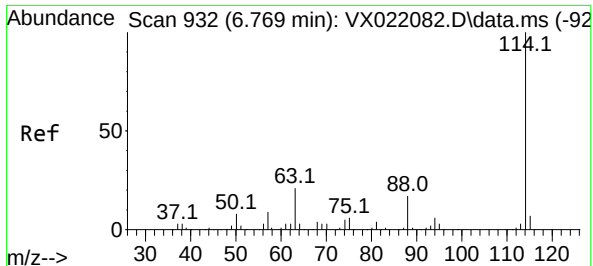
Tgt Ion: 56 Resp: 1946
Ion Ratio Lower Upper
56 100
69 110.3 25.3 37.9#
84 116.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.41 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Tgt Ion: 65 Resp: 53598
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.4

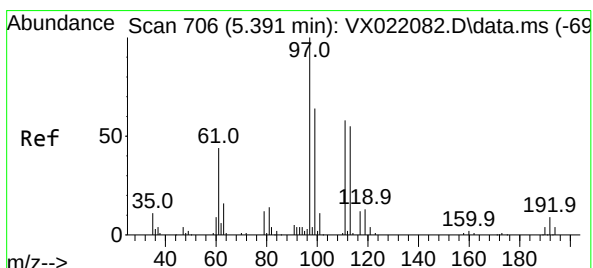
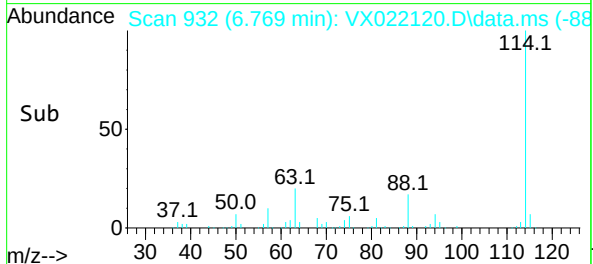
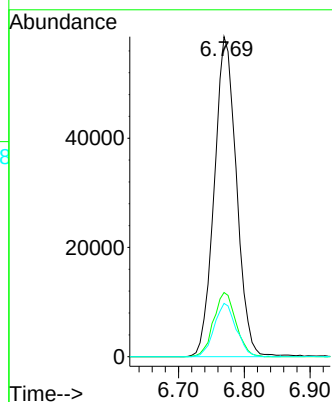
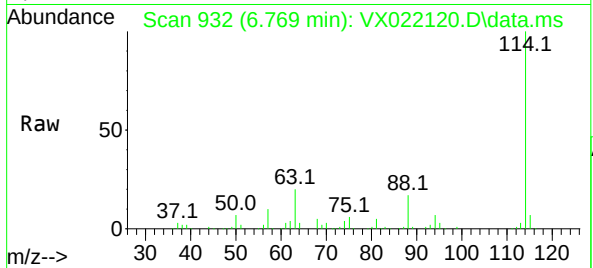




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

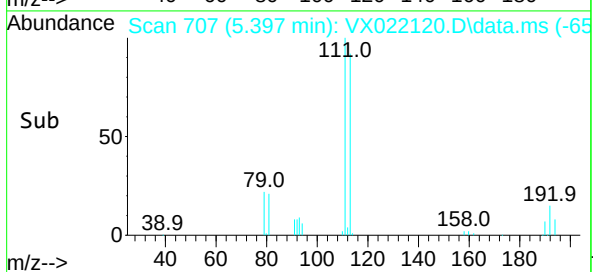
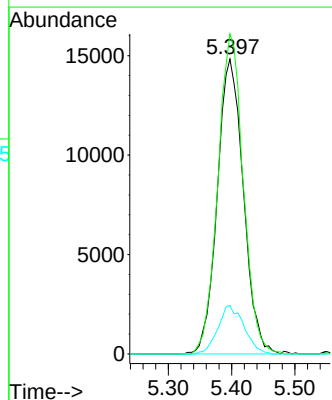
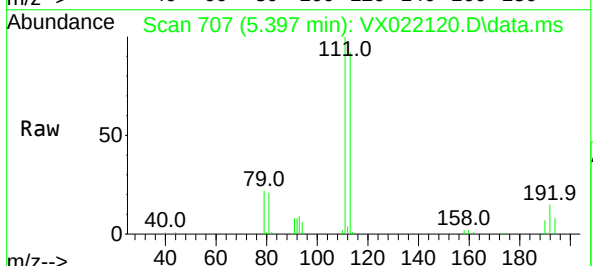
Instrument :
MSVOA_X
ClientSampleId :
CITY-WATER

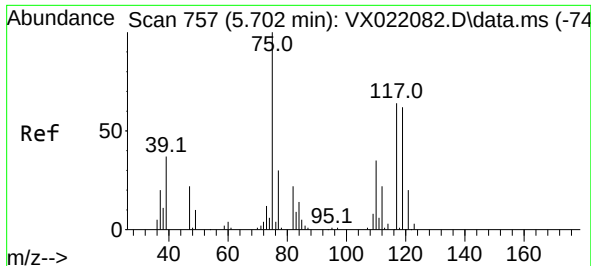
Tgt Ion:114 Resp: 137333
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.72 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Tgt Ion:113 Resp: 42429
Ion Ratio Lower Upper
113 100
111 105.7 81.9 122.9
192 16.5 16.7 25.1#

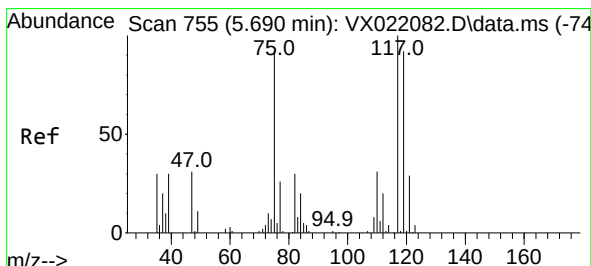
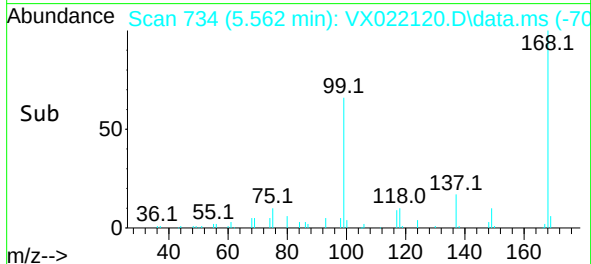
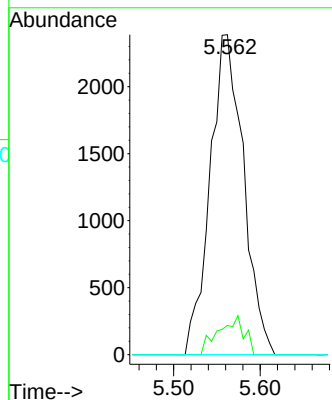
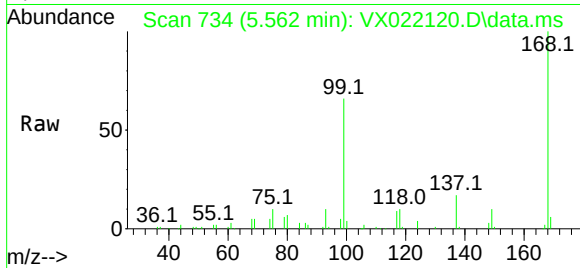




#36
1,1-Dichloropropene
Concen: 5.04 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

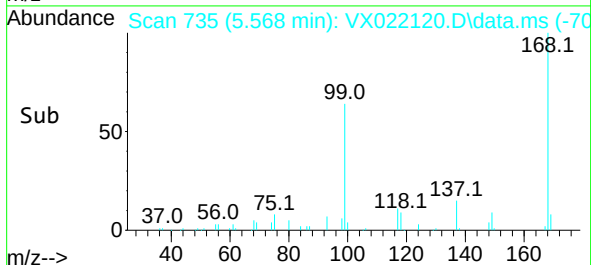
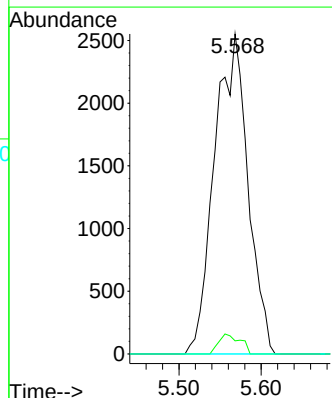
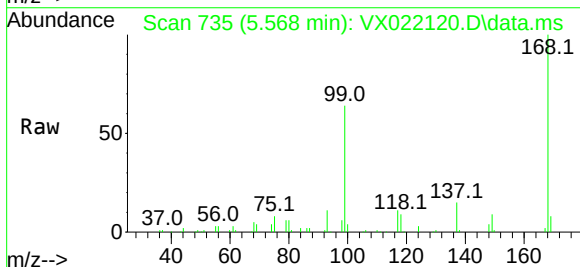
Instrument :
MSVOA_X
ClientSampleId :
CITY-WATER

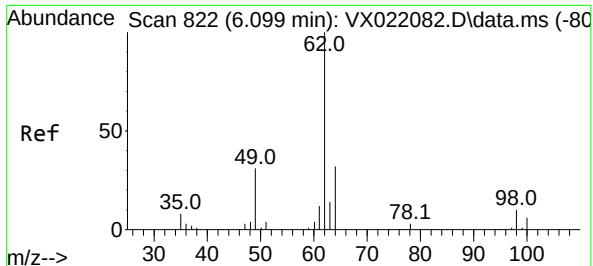
Tgt Ion: 75 Resp: 6401
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.81 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Tgt Ion: 117 Resp: 7220
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#





#42

1,2-Dichloroethane

Concen: 0.41 ug/l

RT: 6.092 min Scan# 821

Delta R.T. -0.007 min

Lab File: VX022120.D

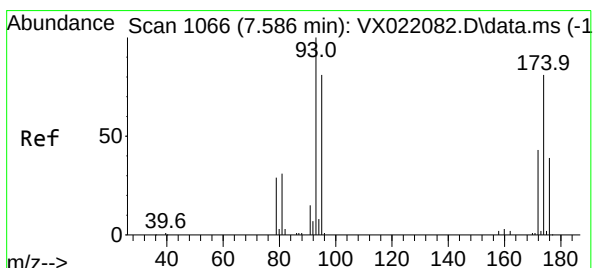
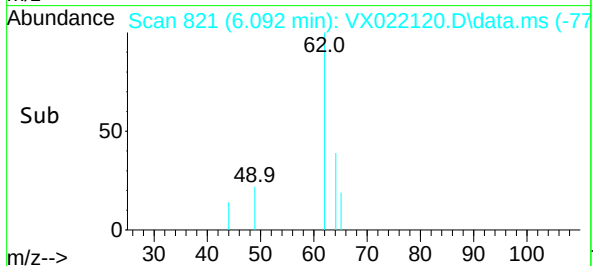
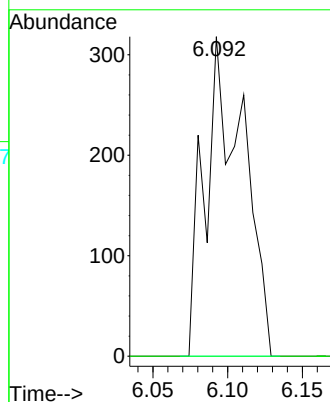
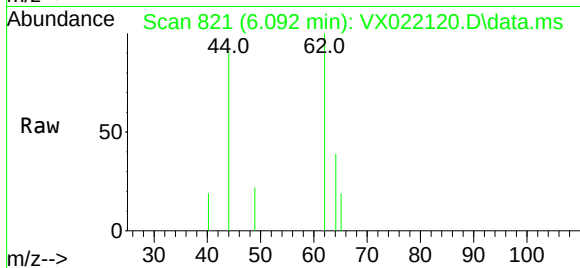
Acq: 21 May 2021 17:03

Tgt Ion: 62 Resp: 566

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#46

Dibromomethane

Concen: 0.93 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.238 min

Lab File: VX022120.D

Acq: 21 May 2021 17:03

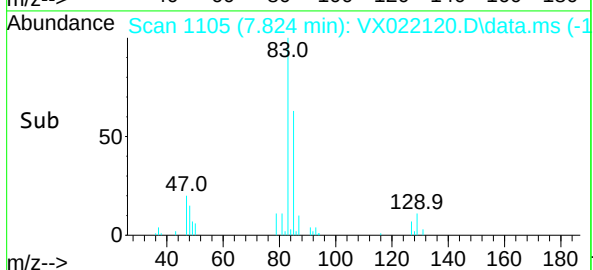
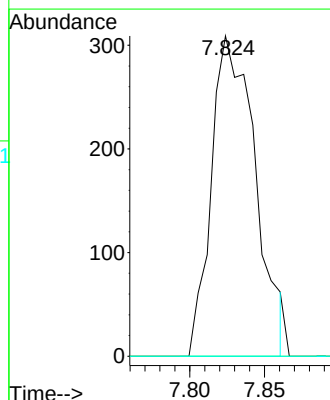
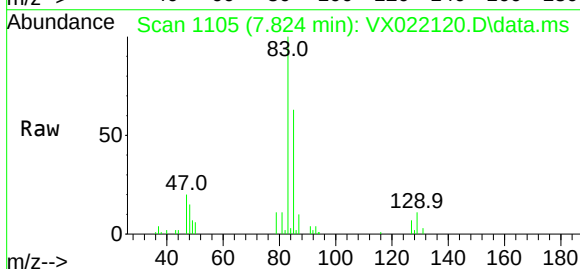
Tgt Ion: 93 Resp: 629

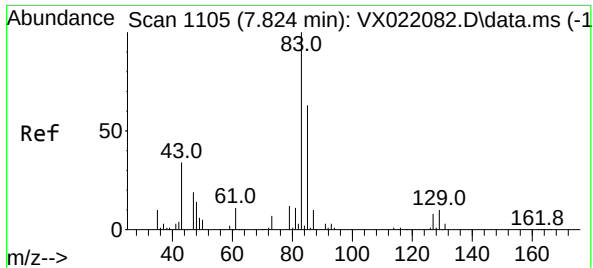
Ion Ratio Lower Upper

93 100

95 0.0 66.8 100.2#

174 0.0 83.1 124.7#

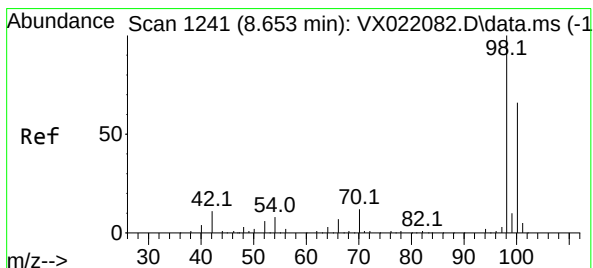
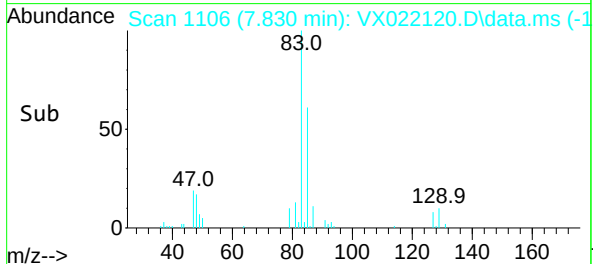
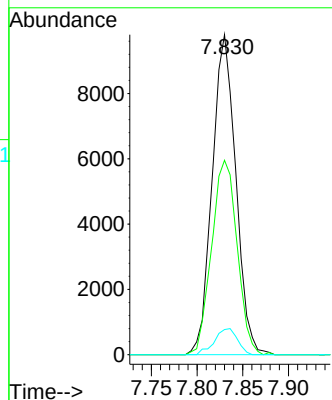
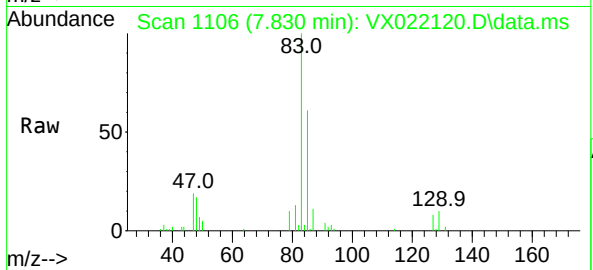




#47
Bromodichloromethane
Concen: 13.02 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

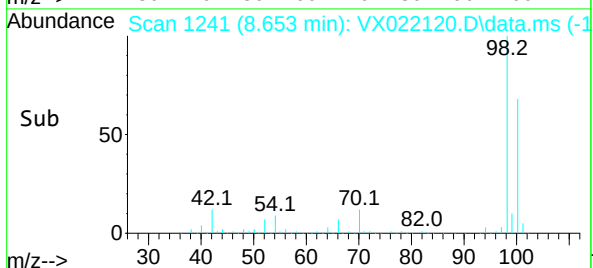
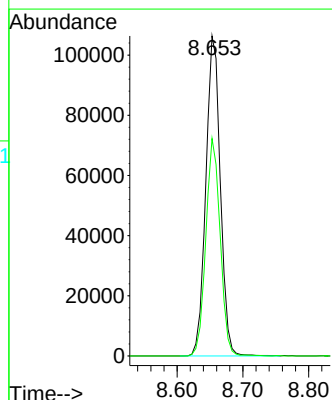
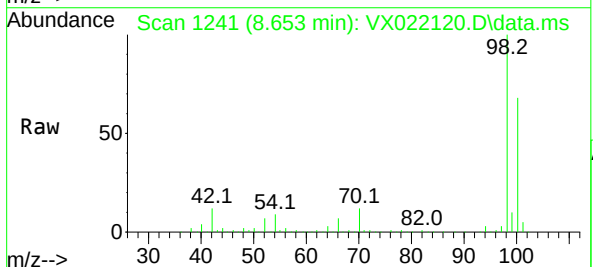
Instrument :
MSVOA_X
ClientSampleId :
CITY-WATER

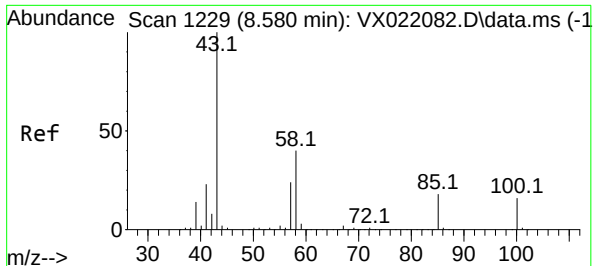
Tgt Ion: 83 Resp: 17621
Ion Ratio Lower Upper
83 100
85 60.7 51.4 77.0
127 7.8 6.8 10.2



#50
Toluene-d8
Concen: 48.59 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Tgt Ion: 98 Resp: 163010
Ion Ratio Lower Upper
98 100
100 67.2 51.9 77.9

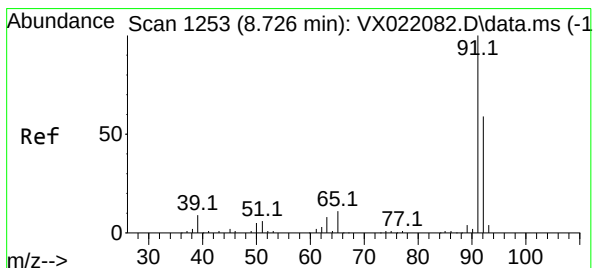
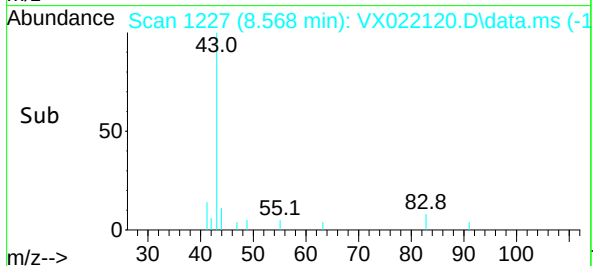
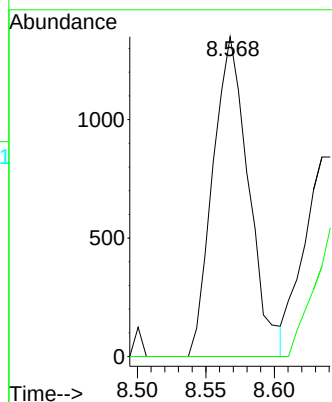
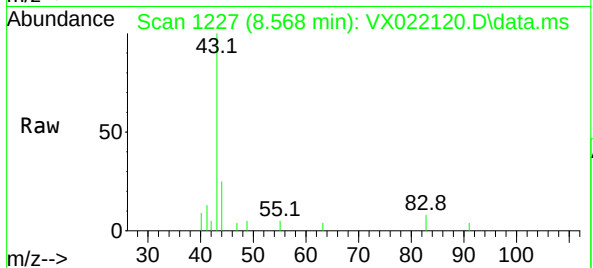




#51
4-Methyl-2-Pentanone
Concen: 1.61 ug/l
RT: 8.568 min Scan# 1227
Delta R.T. -0.012 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

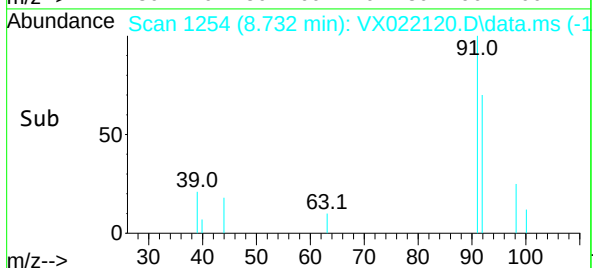
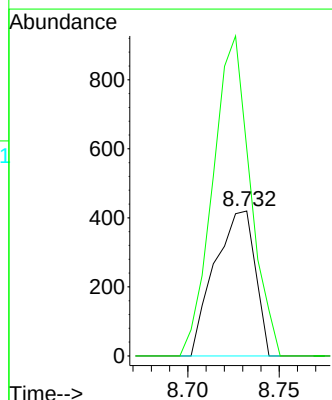
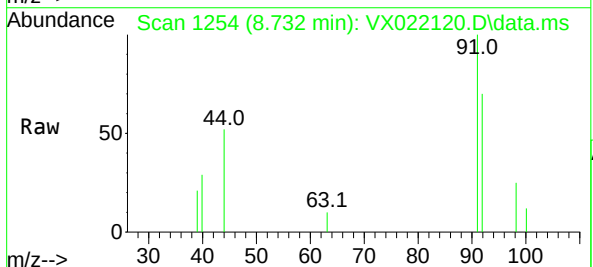
Instrument :
MSVOA_X
ClientSampleId :
CITY-WATER

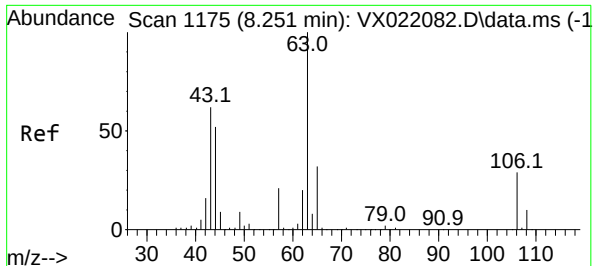
Tgt Ion: 43 Resp: 2459
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.0#



#52
Toluene
Concen: 0.26 ug/l
RT: 8.732 min Scan# 1254
Delta R.T. 0.006 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Tgt Ion: 92 Resp: 648
Ion Ratio Lower Upper
92 100
91 203.5 137.1 205.7

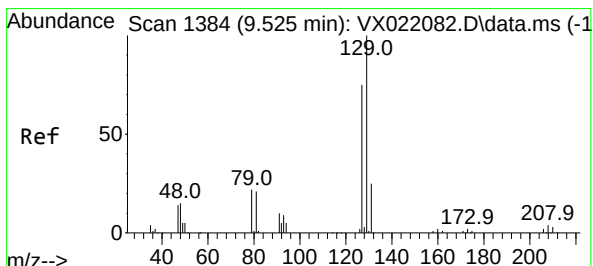
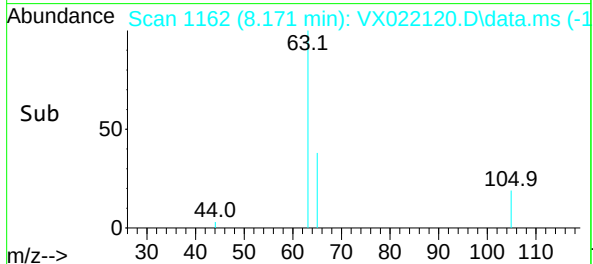
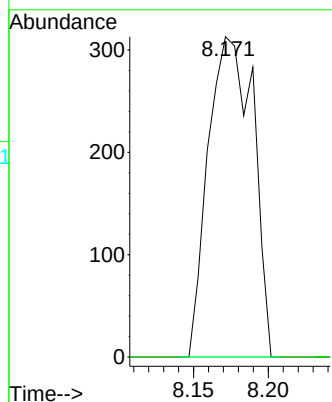
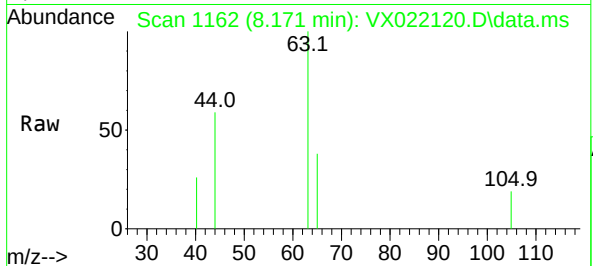




#58
2-Chloroethyl Vinyl ether
Concen: 0.75 ug/l
RT: 8.171 min Scan# 1162
Delta R.T. -0.080 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

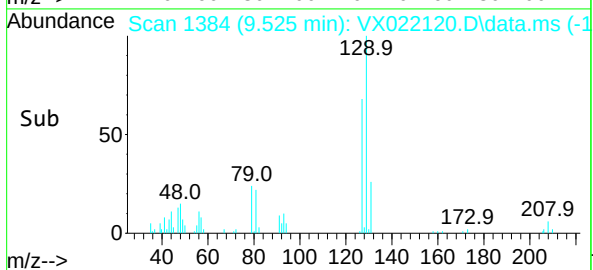
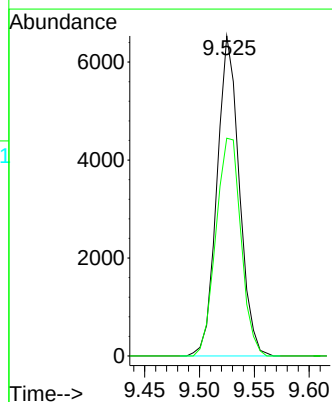
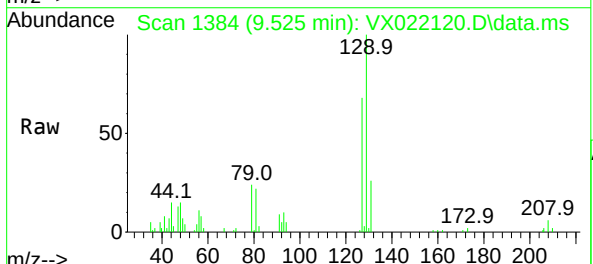
Instrument :
MSVOA_X
ClientSampled :
CITY-WATER

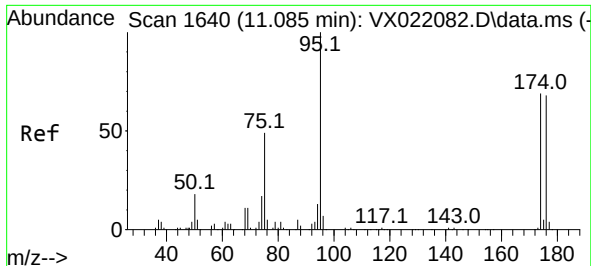
Tgt Ion: 63 Resp: 655
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#60
Dibromochloromethane
Concen: 9.46 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Tgt Ion: 129 Resp: 9243
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.2

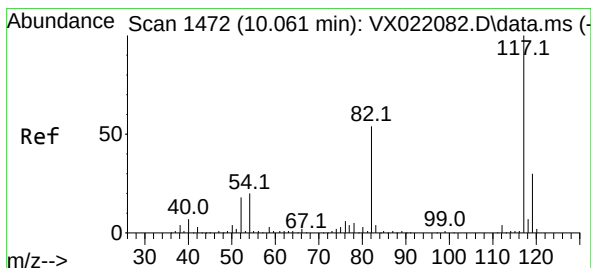
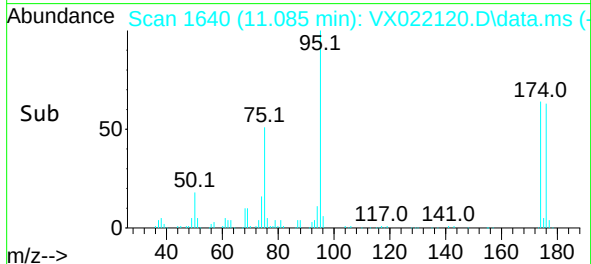
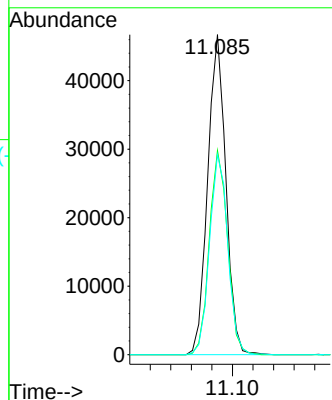
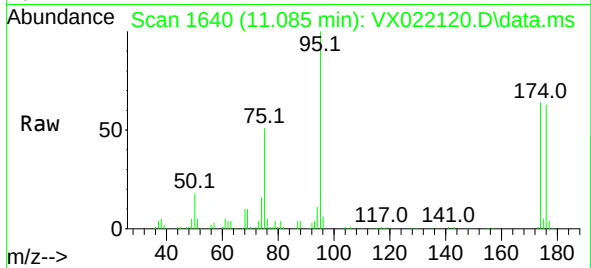




#62
4-Bromofluorobenzene
Concen: 46.21 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

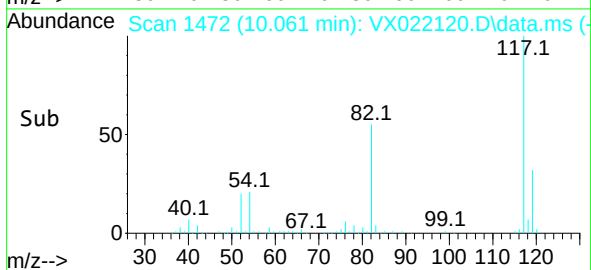
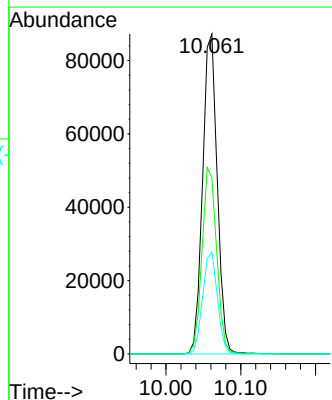
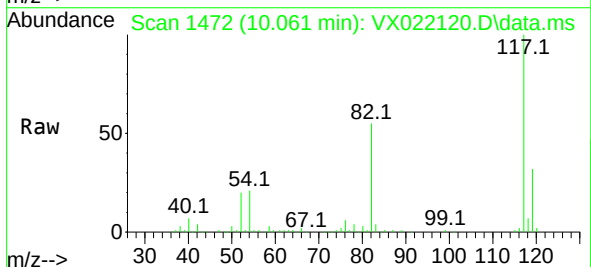
Instrument :
MSVOA_X
ClientSampleId :
CITY-WATER

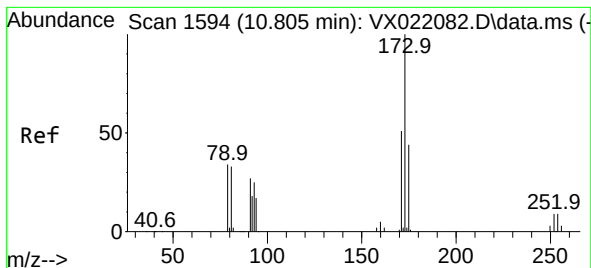
Tgt Ion: 95 Resp: 57298
Ion Ratio Lower Upper
95 100
174 64.4 0.0 154.6
176 62.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Tgt Ion: 117 Resp: 118687
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 31.8 26.6 39.8

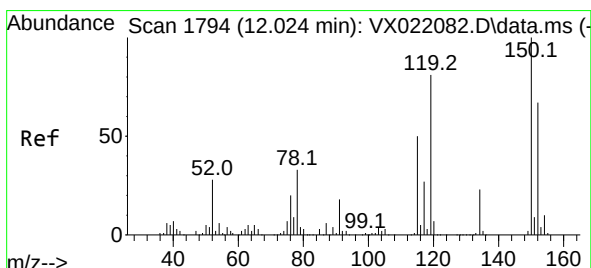
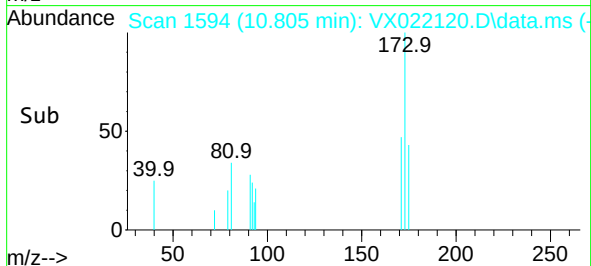
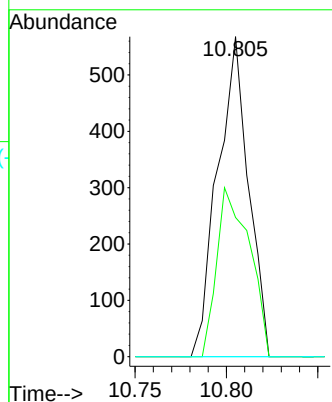
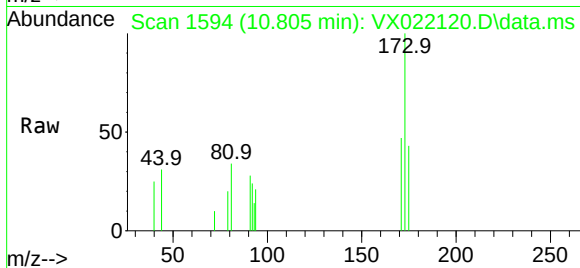




#71
Bromoform
Concen: 2.40 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

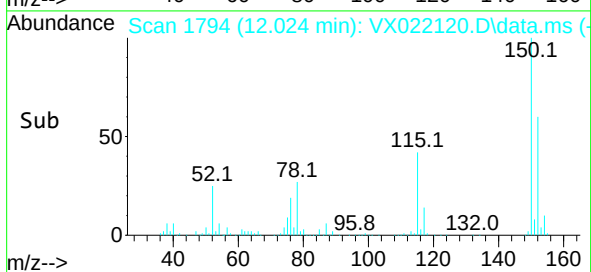
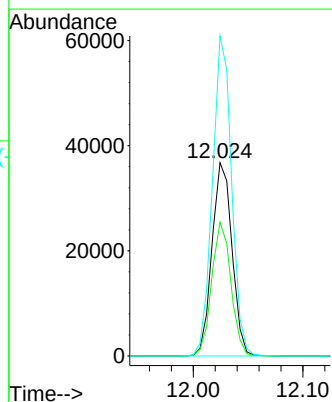
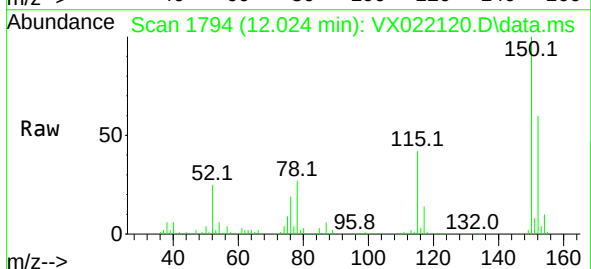
Instrument :
MSVOA_X
ClientSampleId :
CITY-WATER

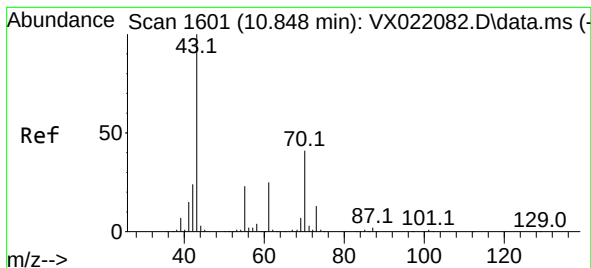
Tgt Ion:173 Resp: 667
Ion Ratio Lower Upper
173 100
175 55.9 23.9 71.8
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

Tgt Ion:152 Resp: 46626
Ion Ratio Lower Upper
152 100
115 66.5 41.1 123.3
150 158.3 0.0 349.0

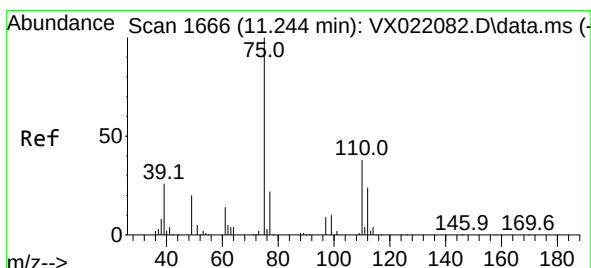
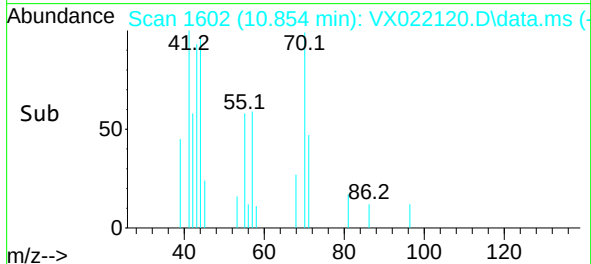
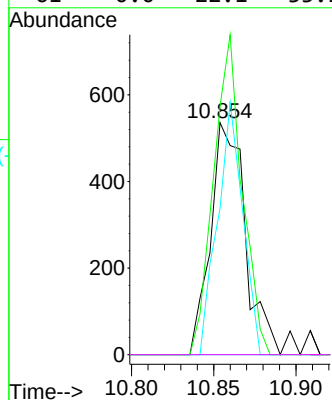
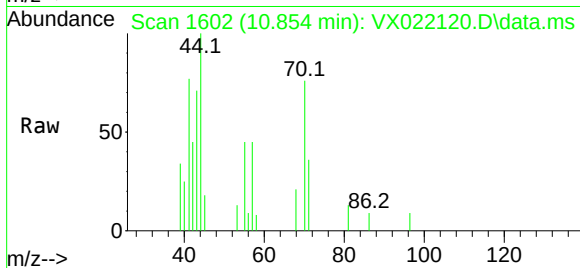




#74
N-amy1 acetate
Concen: 0.42 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.006 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

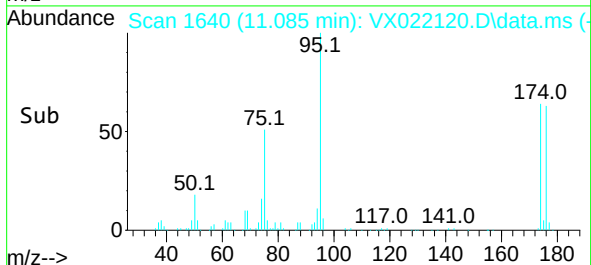
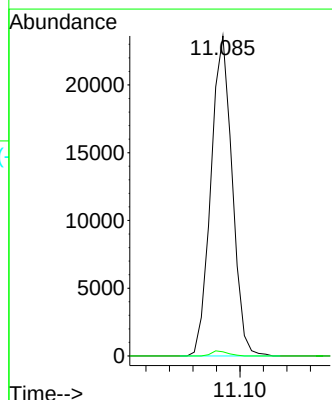
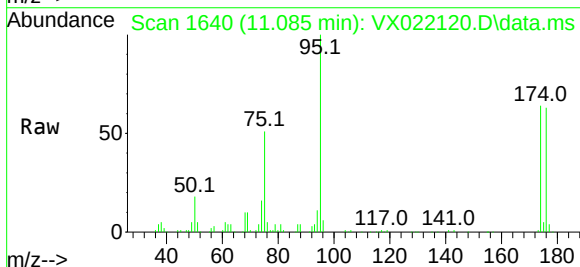
Instrument :
MSVOA_X
ClientSampled :
CITY-WATER

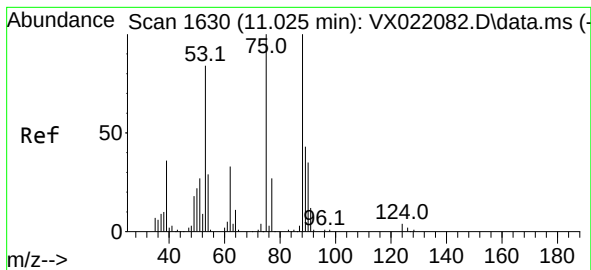
Tgt Ion: 43	Resp: 786
Ion Ratio	Lower Upper
43 100	
70 113.9	39.0 58.6#
55 79.0	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 25.86 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022120.D
Acq: 21 May 2021 17:03

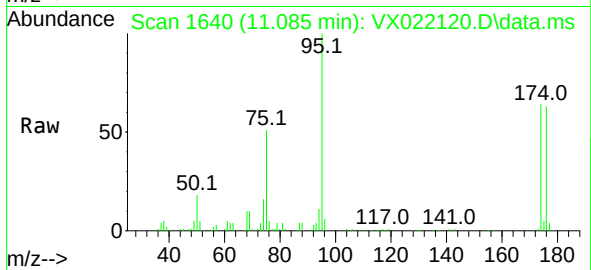
Tgt Ion: 75	Resp: 29747
Ion Ratio	Lower Upper
75 100	
77 1.2	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.27 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022120.D
 Acq: 21 May 2021 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 CITY-WATER



Tgt Ion: 75 Resp: 29747
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

