

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052121\
 Data File : VX022117.D
 Acq On : 21 May 2021 15:55
 Operator : JC/MD
 Sample : M2480-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CYCLE-WATER

Quant Time: May 22 04:55:49 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)

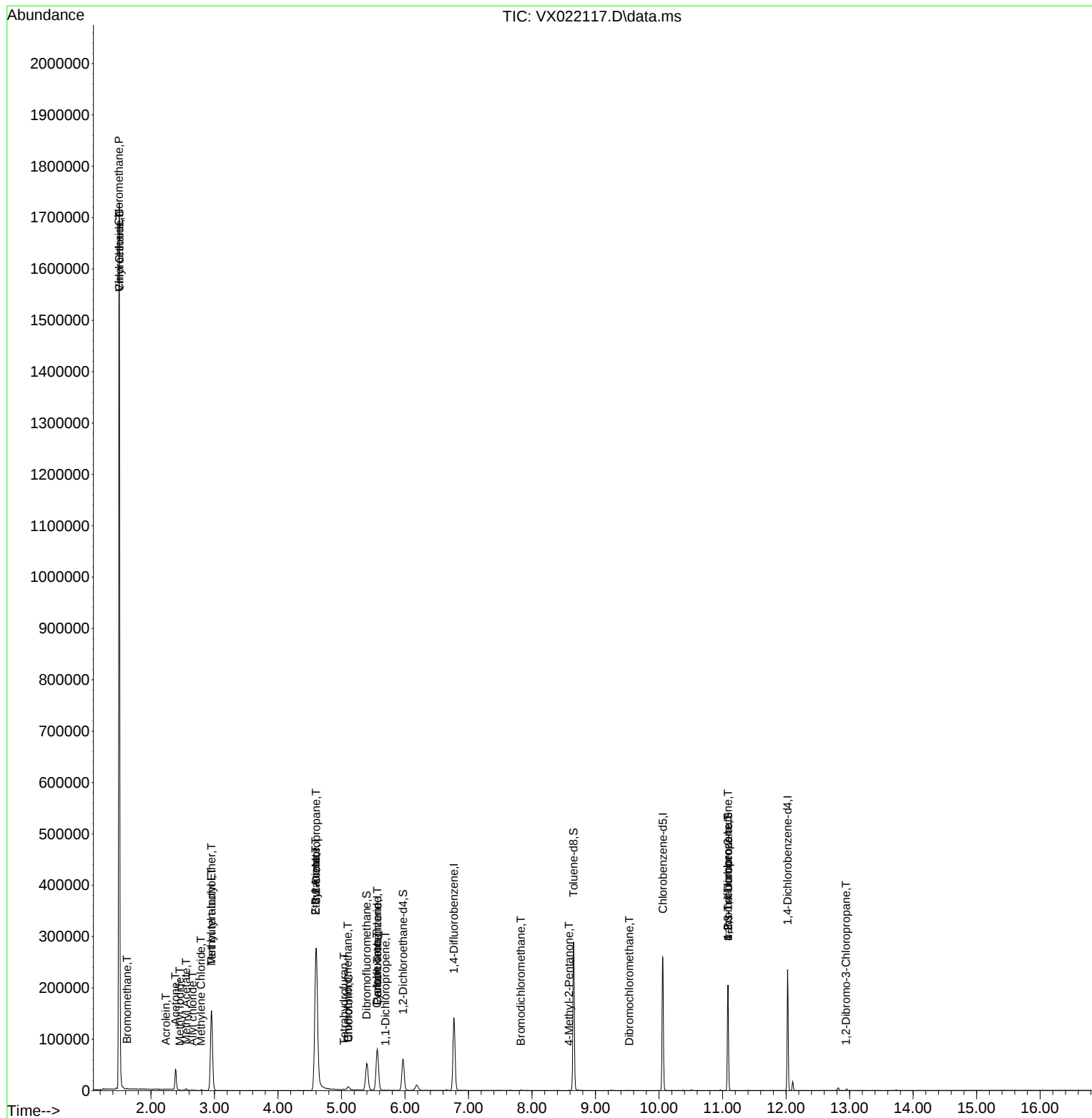
Internal Standards						
1) Pentafluorobenzene	5.562	168	68755	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	143043	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	117733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42972	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	56291	53.08	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.16%			
35) Dibromofluoromethane	5.397	113	44373	48.92	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.84%			
50) Toluene-d8	8.653	98	167987	48.07	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.14%			
62) 4-Bromofluorobenzene	11.085	95	56026	43.38	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.76%			
Target Compounds						Qvalue
3) Chloromethane	1.496	50	6804	7.55	ug/l	# 56
4) Vinyl Chloride	1.502	62	29763	31.20	ug/l	# 68
5) Bromomethane	1.624	94	270	0.49	ug/l	88
6) Chloroethane	1.502	64	4434	7.81	ug/l	# 70
10) Methyl Iodide	2.453	142	214	0.24	ug/l	# 42
11) Tert butyl alcohol	2.953	59	90556	373.31	ug/l	# 78
13) Acrolein	2.233	56	65	0.40	ug/l	# 14
14) Allyl chloride	2.654	41	1062	0.73	ug/l	# 47
16) Acetone	2.386	43	41828	90.57	ug/l	94
18) Methyl Acetate	2.556	43	1244	1.01	ug/l	# 47
19) Methyl tert-butyl Ether	2.953	73	4899	1.81	ug/l	# 76
20) Methylene Chloride	2.788	84	543	0.53	ug/l	# 92
25) 2-Butanone	4.593	43	20070	26.86	ug/l	# 78
26) 2,2-Dichloropropane	4.599	77	21797	15.01	ug/l	# 52
28) Bromochloromethane	5.099	49	368	0.46	ug/l	# 9
29) Tetrahydrofuran	5.038	42	777	1.75	ug/l	# 62
30) Chloroform	5.111	83	7382	4.37	ug/l	96
31) Cyclohexane	5.556	56	1895	1.42	ug/l	# 1
36) 1,1-Dichloropropene	5.690	75	368	0.28	ug/l	# 41
37) Ethyl Acetate	4.593	43	20070	12.38	ug/l	# 68
38) Carbon Tetrachloride	5.562	117	8204	6.34	ug/l	# 14
47) Bromodichloromethane	7.824	83	723	0.51	ug/l	# 74
51) 4-Methyl-2-Pentanone	8.580	43	326	0.21	ug/l	# 69
60) Dibromochloromethane	9.531	129	212	0.21	ug/l	73
76) 1,2,3-Trichloropropane	11.085	75	28345	26.74	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	28345	63.35	ug/l	# 12
92) 1,2-Dibromo-3-Chloropr...	12.945	75	118	0.46	ug/l	# 1

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

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MSVOA_X
ClientSampleId :
CYCLE-WATER

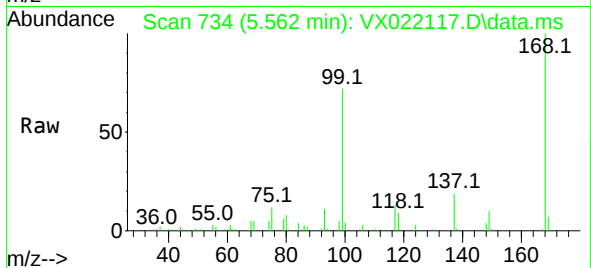
Quant Time: May 22 04:55:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration



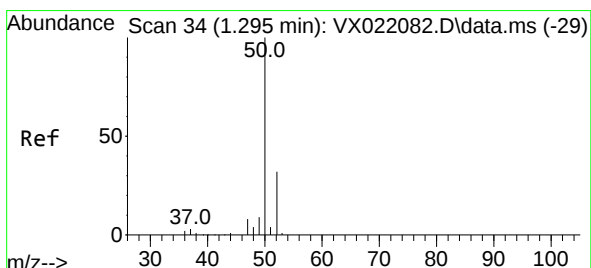
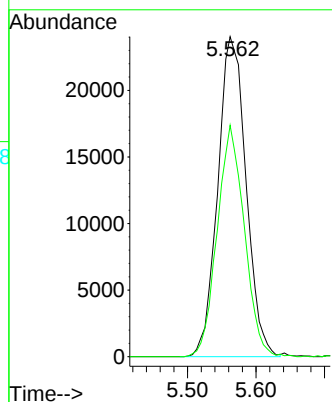
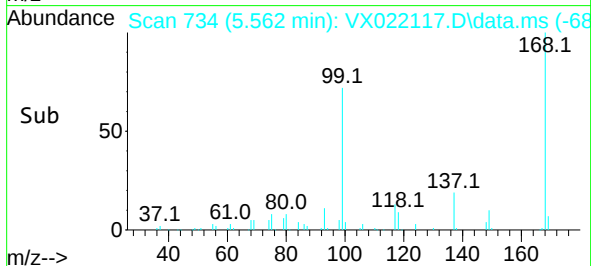


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Instrument :
MSVOA_X
ClientSampleId :
CYCLE-WATER

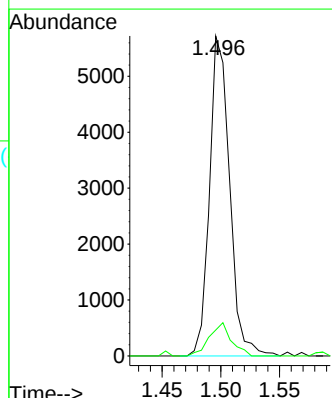
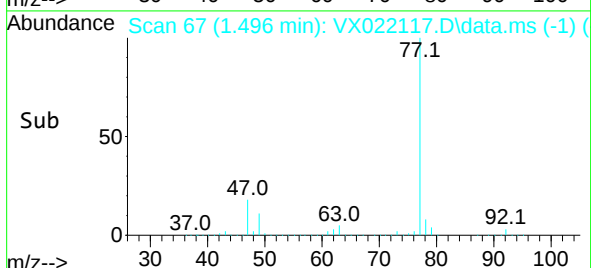
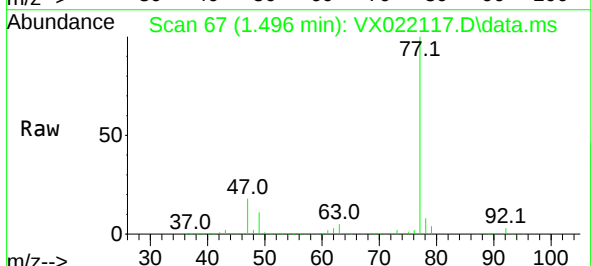


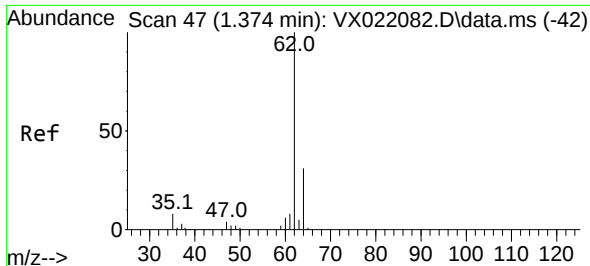
Tgt Ion:168 Resp: 68755
Ion Ratio Lower Upper
168 100
99 72.3 45.8 68.6#



#3
Chloromethane
Concen: 7.55 ug/l
RT: 1.496 min Scan# 67
Delta R.T. 0.201 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Tgt Ion: 50 Resp: 6804
Ion Ratio Lower Upper
50 100
52 8.1 26.4 39.6#

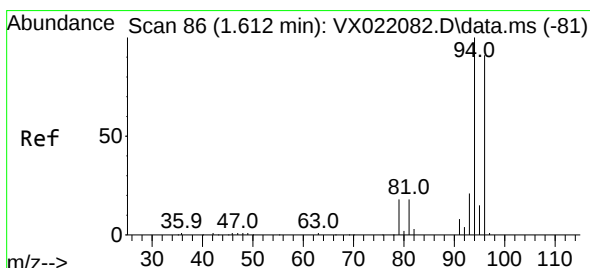
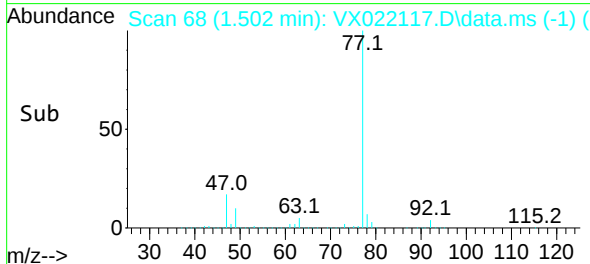
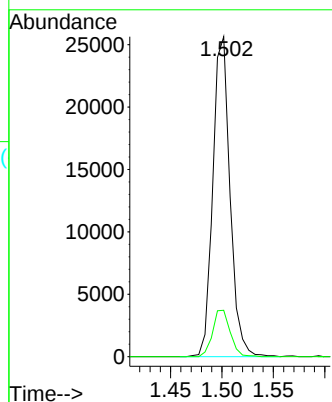
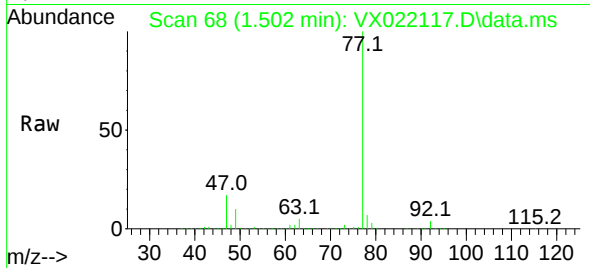




#4
 Vinyl Chloride
 Concen: 31.20 ug/l
 RT: 1.502 min Scan# 68
 Delta R.T. 0.128 min
 Lab File: VX022117.D
 Acq: 21 May 2021 15:55

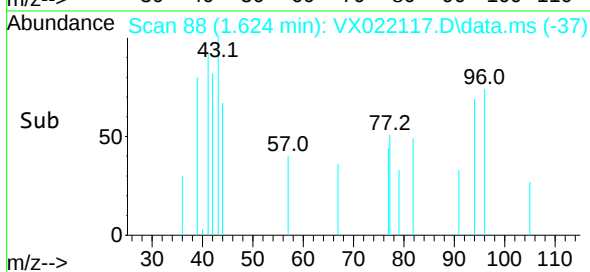
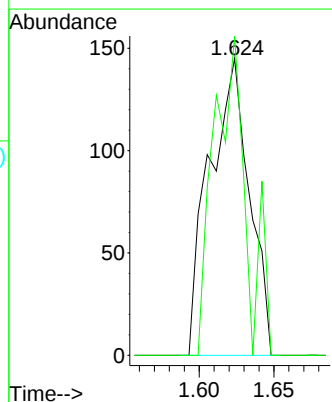
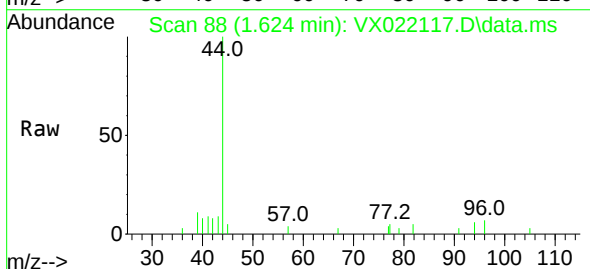
Instrument :
 MSVOA_X
 ClientSampleId :
 CYCLE-WATER

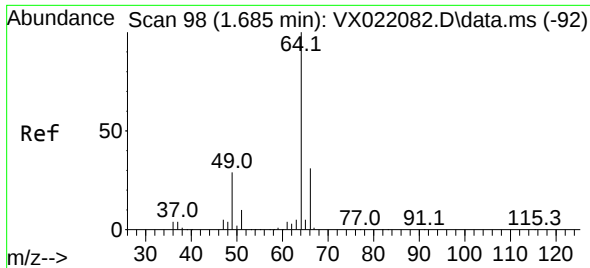
Tgt Ion: 62 Resp: 29763
 Ion Ratio Lower Upper
 62 100
 64 14.5 25.7 38.5#



#5
 Bromomethane
 Concen: 0.49 ug/l
 RT: 1.624 min Scan# 88
 Delta R.T. 0.012 min
 Lab File: VX022117.D
 Acq: 21 May 2021 15:55

Tgt Ion: 94 Resp: 270
 Ion Ratio Lower Upper
 94 100
 96 107.6 76.4 114.6

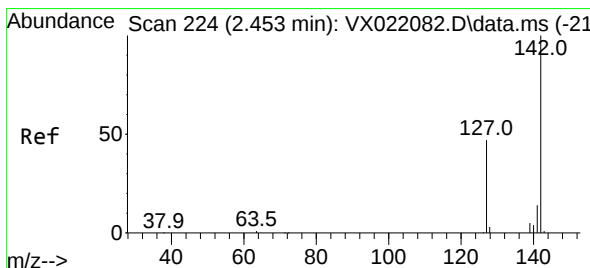
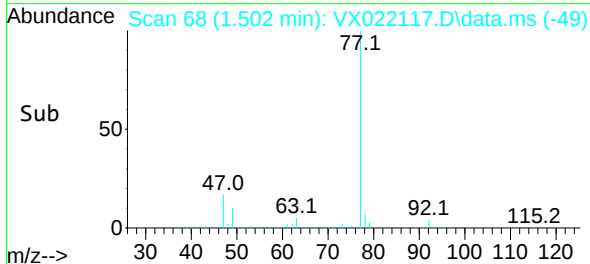
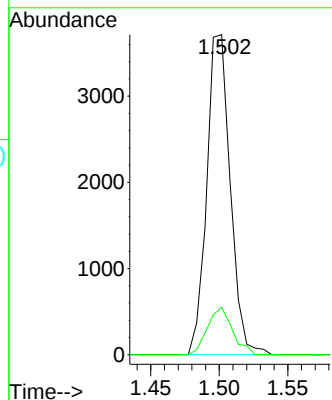
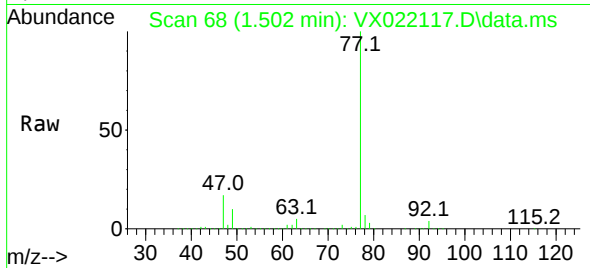




#6
Chloroethane
Concen: 7.81 ug/l
RT: 1.502 min Scan# 68
Delta R.T. -0.183 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

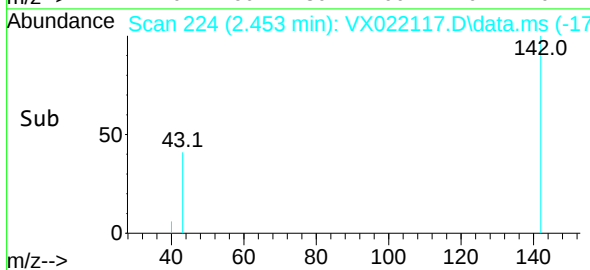
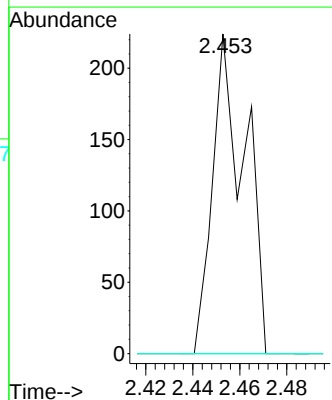
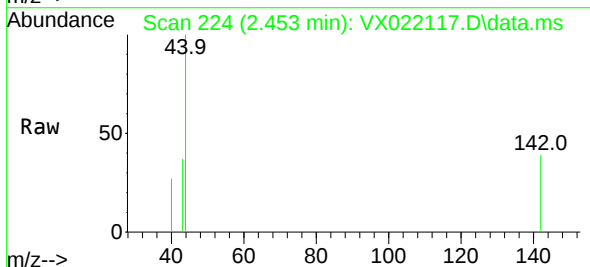
Instrument :
MSVOA_X
ClientSampleId :
CYCLE-WATER

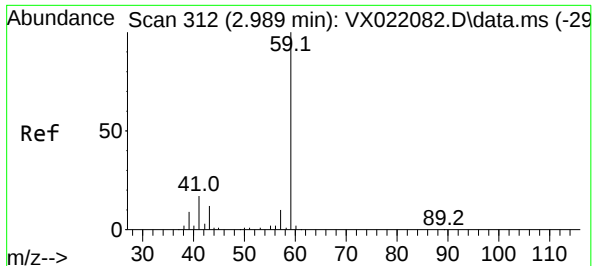
Tgt Ion: 64 Resp: 4434
Ion Ratio Lower Upper
64 100
66 14.8 25.4 38.0#



#10
Methyl Iodide
Concen: 0.24 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Tgt Ion:142 Resp: 214
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



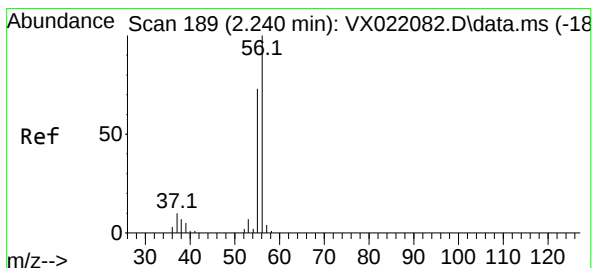
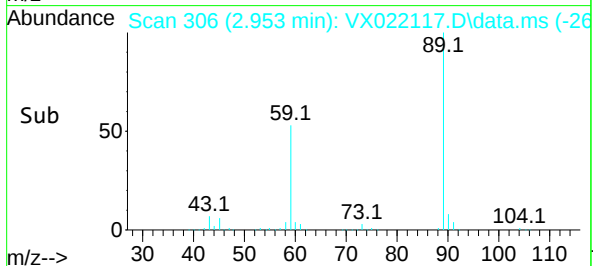
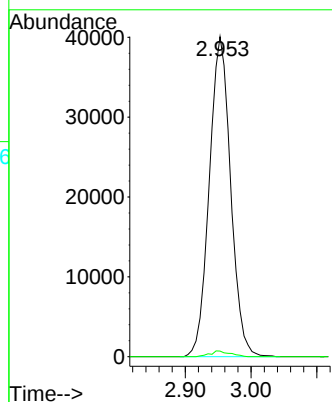
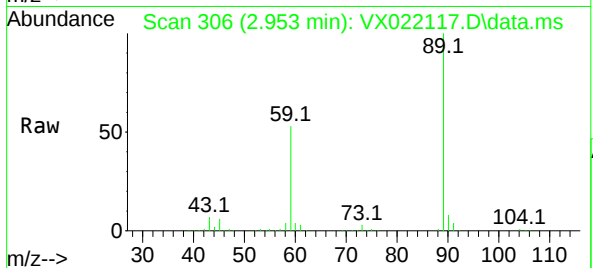


#11

Tert butyl alcohol
Concen: 373.31 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Instrument :
MSVOA_X
ClientSampleId :
CYCLE-WATER

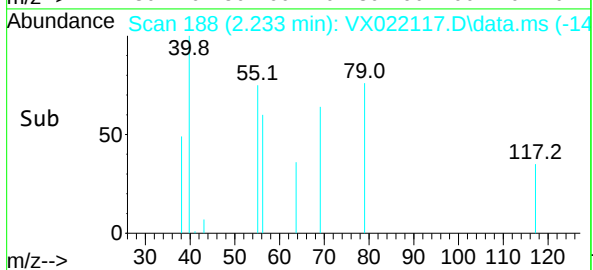
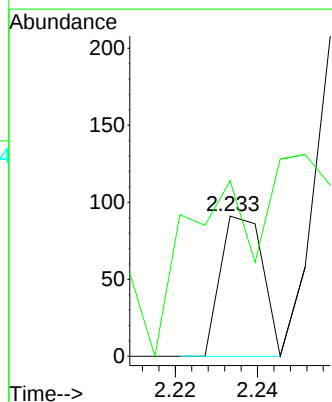
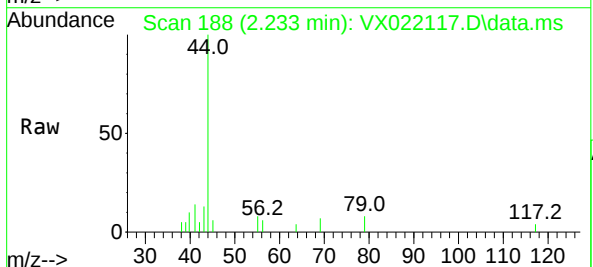
Tgt Ion: 59 Resp: 90556
Ion Ratio Lower Upper
59 100
57 1.7 7.8 11.8#

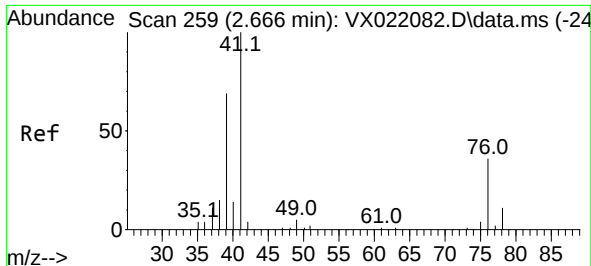


#13

Acrolein
Concen: 0.40 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.007 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

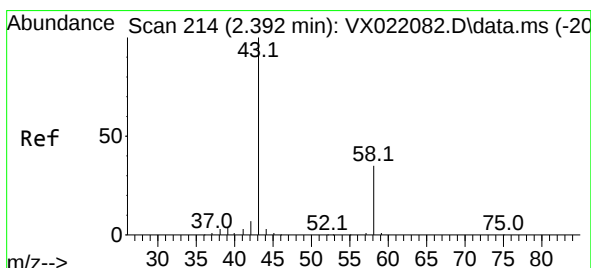
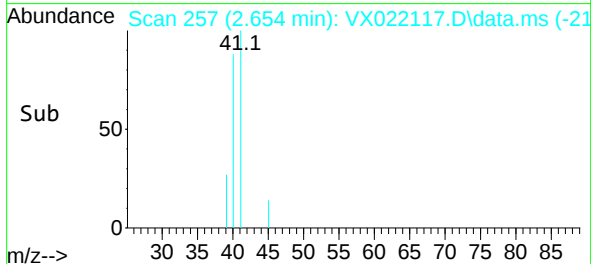
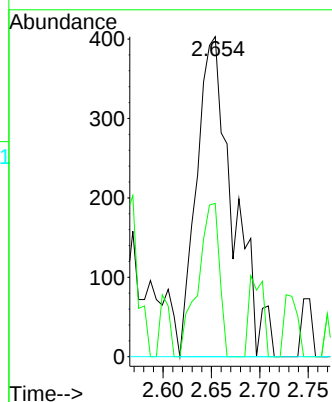
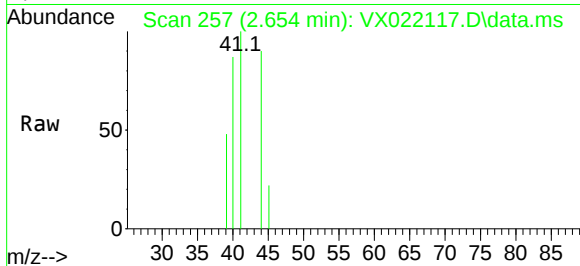




#14
Allyl chloride
Concen: 0.73 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.012 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

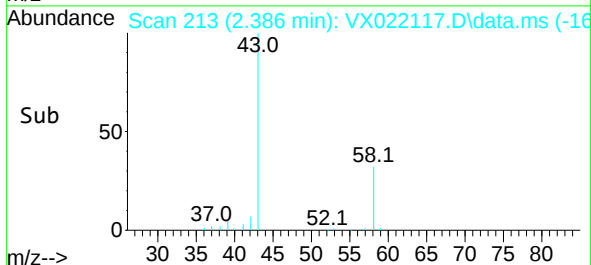
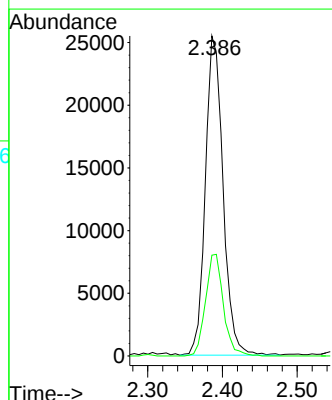
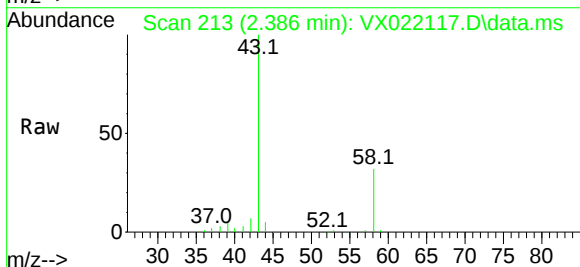
Instrument :
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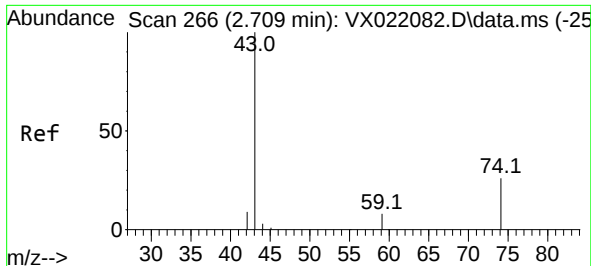
Tgt Ion:	41	Resp:	1062
Ion	Ratio	Lower	Upper
41	100		
39	28.1	51.6	77.4#
76	0.0	30.5	45.7#



#16
Acetone
Concen: 90.57 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Tgt Ion:	43	Resp:	41828
Ion	Ratio	Lower	Upper
43	100		
58	31.6	27.8	41.8

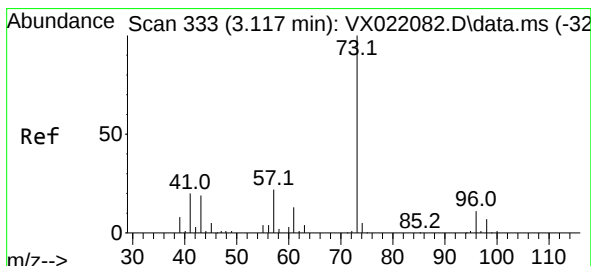
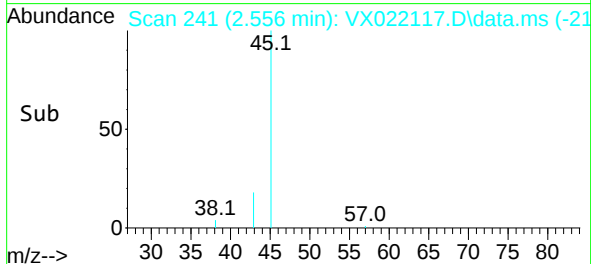
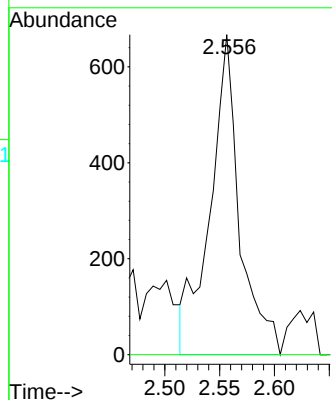
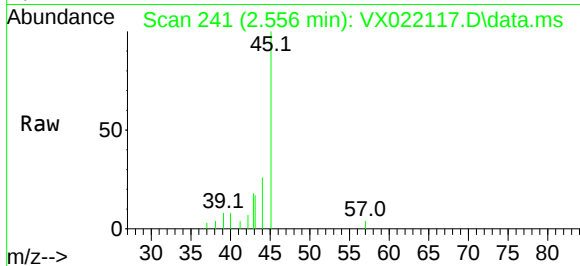




#18
Methyl Acetate
Concen: 1.01 ug/l
RT: 2.556 min Scan# 241
Delta R.T. -0.153 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

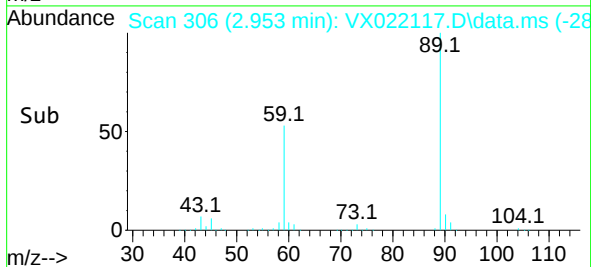
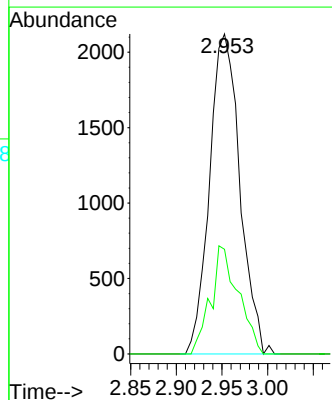
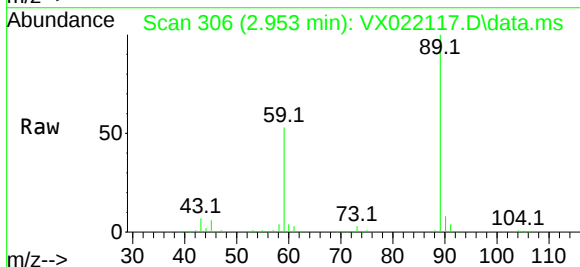
Instrument :
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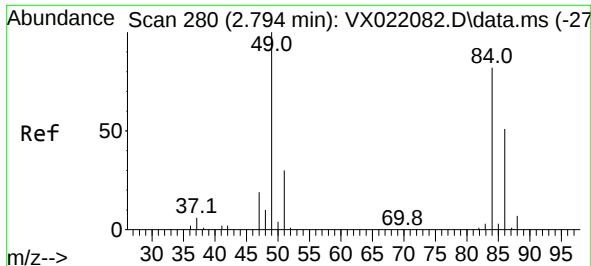
Tgt Ion: 43 Resp: 1244
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 1.81 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.164 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Tgt Ion: 73 Resp: 4899
Ion Ratio Lower Upper
73 100
57 32.7 17.1 25.7#





#20

Methylene Chloride

Concen: 0.53 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX022117.D

Acq: 21 May 2021 15:55

Tgt Ion: 84 Resp: 543

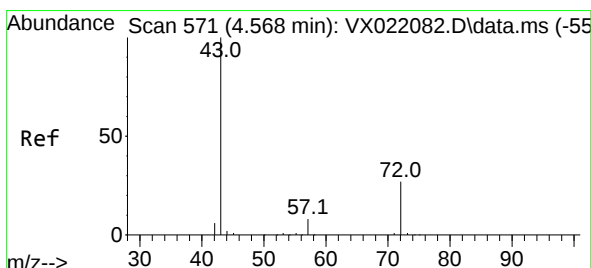
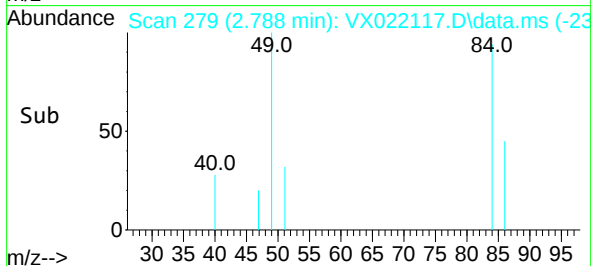
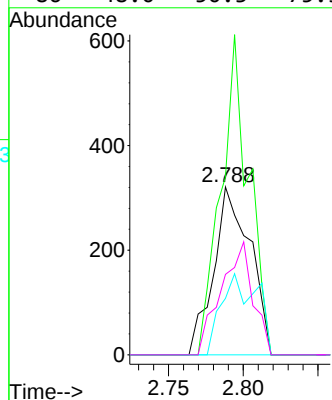
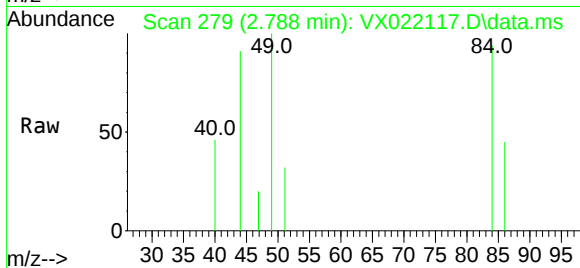
Ion Ratio Lower Upper

84 100

49 105.9 88.6 132.8

51 33.6 27.0 40.6

86 48.0 50.3 75.5#



#25

2-Butanone

Concen: 26.86 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.025 min

Lab File: VX022117.D

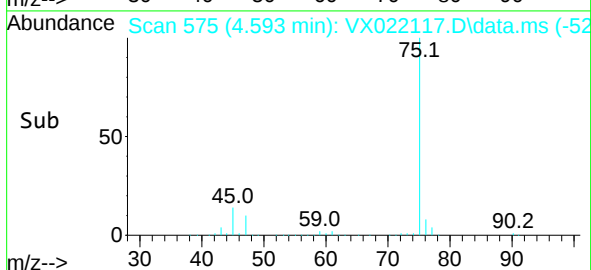
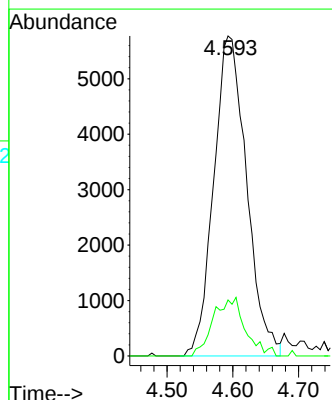
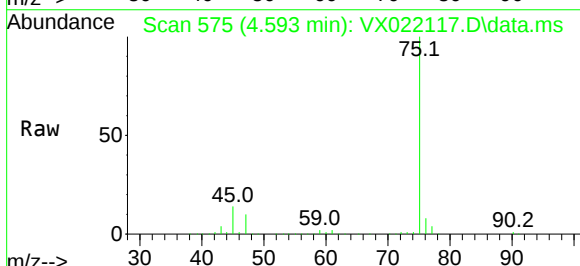
Acq: 21 May 2021 15:55

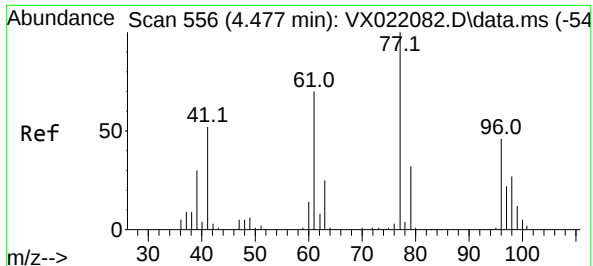
Tgt Ion: 43 Resp: 20070

Ion Ratio Lower Upper

43 100

72 17.5 23.7 35.5#

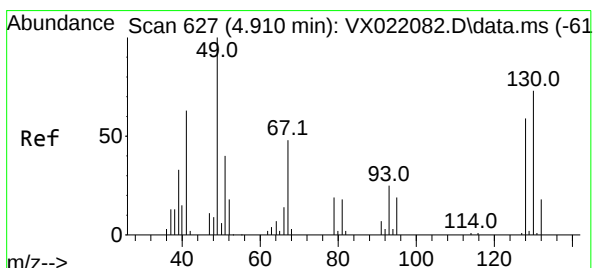
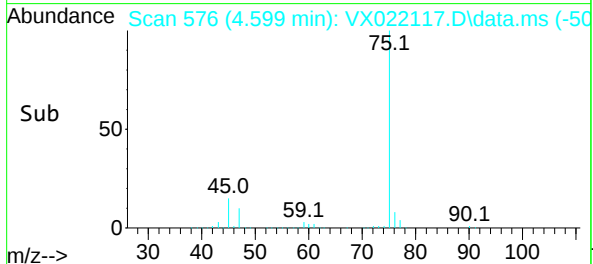
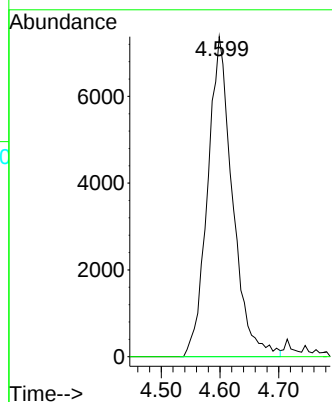
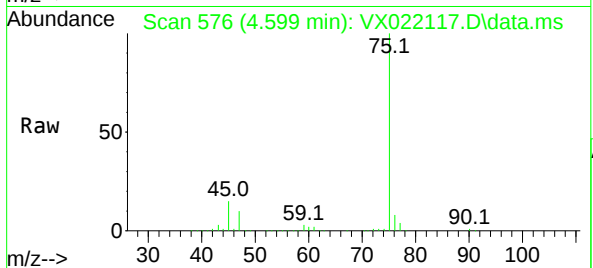




#26
2,2-Dichloropropane
Concen: 15.01 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.122 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

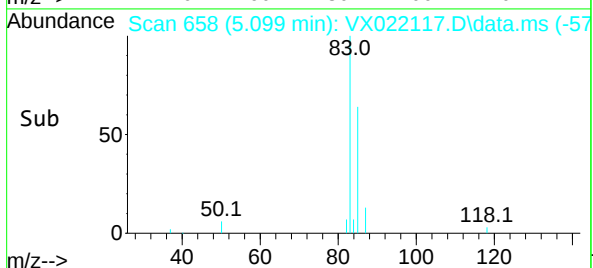
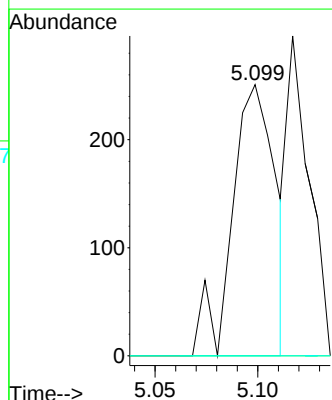
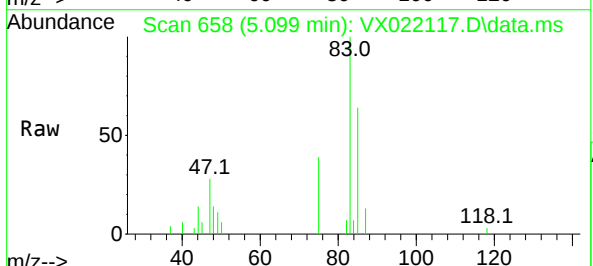
Instrument :
MSVOA_X
ClientSampleId :
CYCLE-WATER

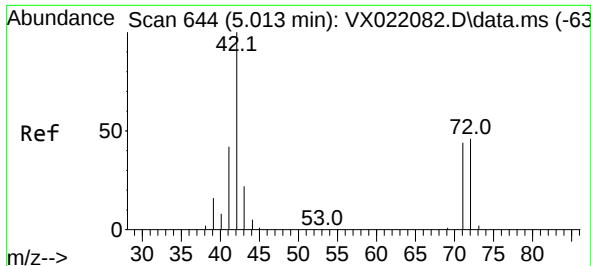
Tgt Ion: 77 Resp: 21797
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#28
Bromochloromethane
Concen: 0.46 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.189 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Tgt Ion: 49 Resp: 368
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#





#29

Tetrahydrofuran

Concen: 1.75 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.025 min

Lab File: VX022117.D

Acq: 21 May 2021 15:55

Tgt Ion: 42 Resp: 777

Ion Ratio Lower Upper

42 100

72 23.6 41.7 62.5#

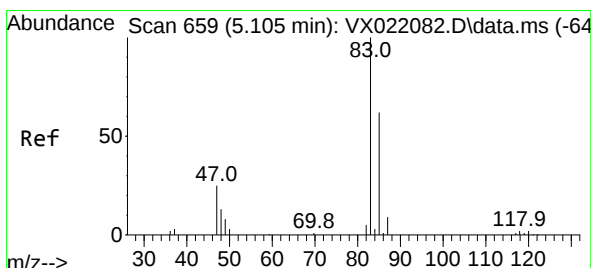
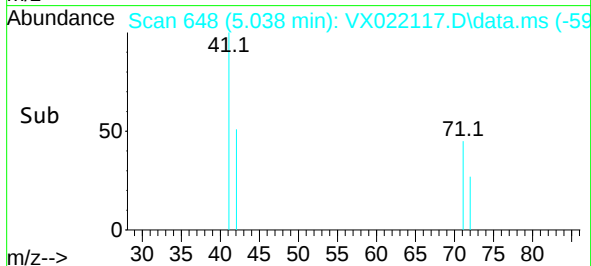
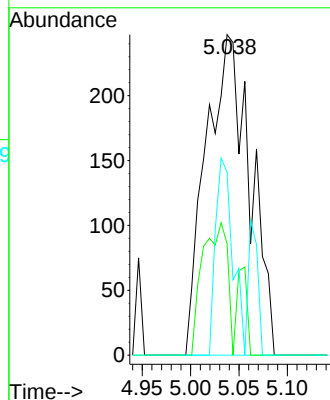
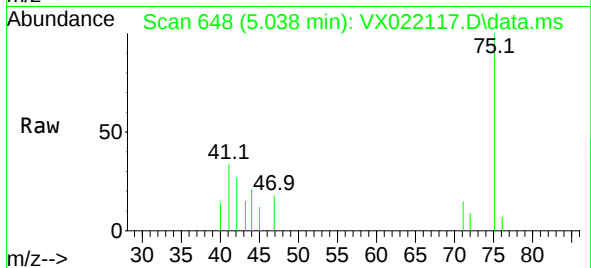
71 24.2 38.4 57.6#

Instrument :

MSVOA_X

ClientSampleId :

CYCLE-WATER



#30

Chloroform

Concen: 4.37 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.006 min

Lab File: VX022117.D

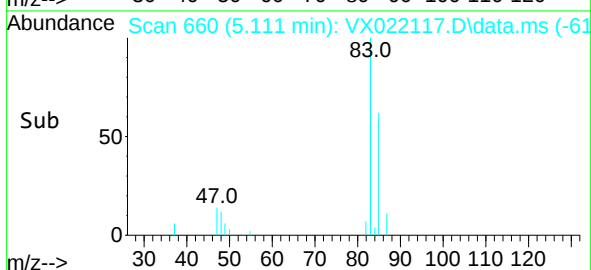
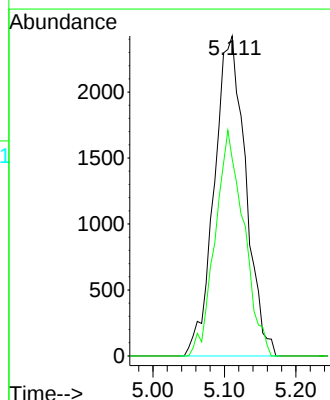
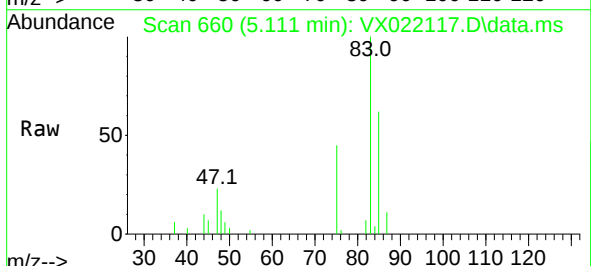
Acq: 21 May 2021 15:55

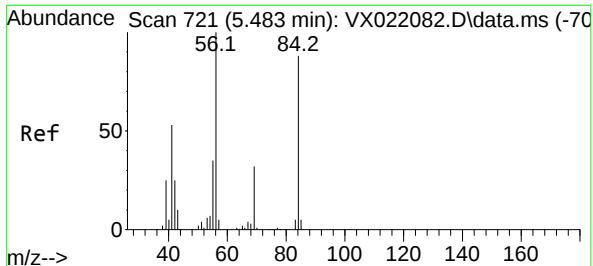
Tgt Ion: 83 Resp: 7382

Ion Ratio Lower Upper

83 100

85 61.5 52.0 78.0

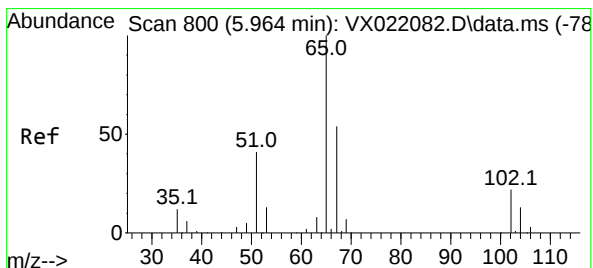
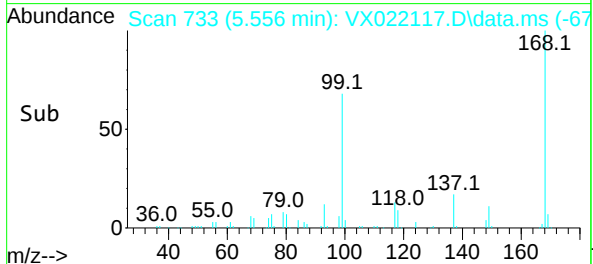
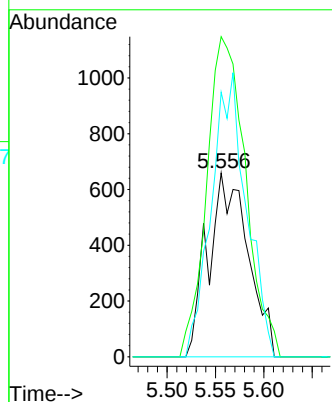
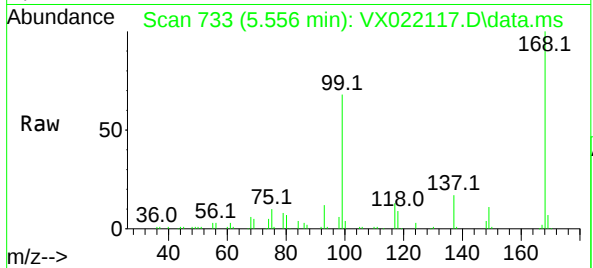




#31
Cyclohexane
Concen: 1.42 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

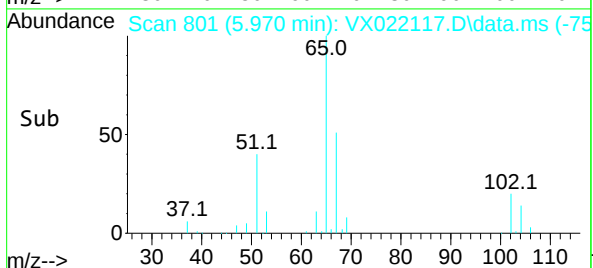
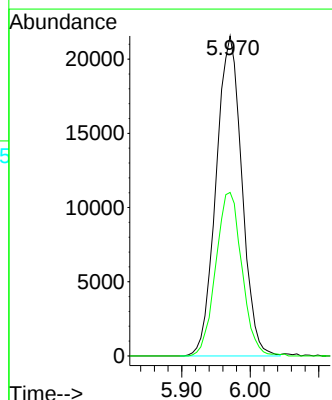
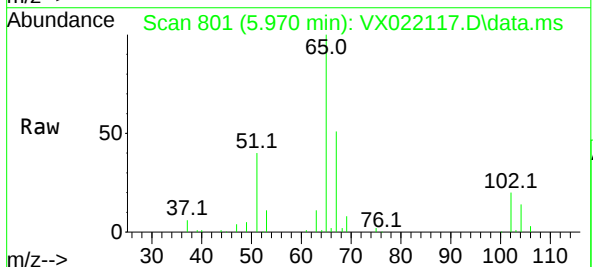
Instrument :
MSVOA_X
ClientSampleId :
CYCLE-WATER

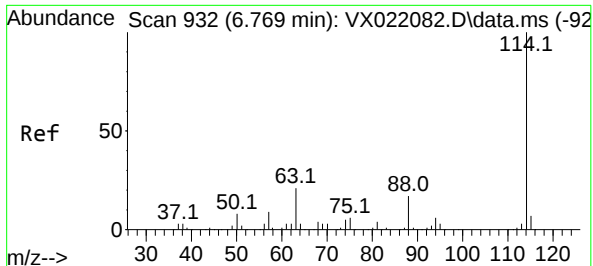
Tgt Ion: 56 Resp: 1895
Ion Ratio Lower Upper
56 100
69 174.2 25.3 37.9#
84 144.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.08 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Tgt Ion: 65 Resp: 56291
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.4

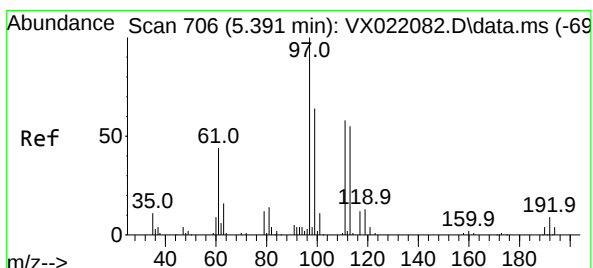
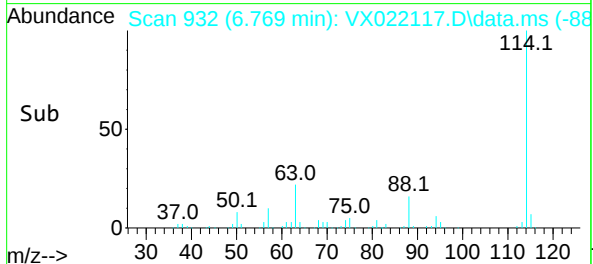
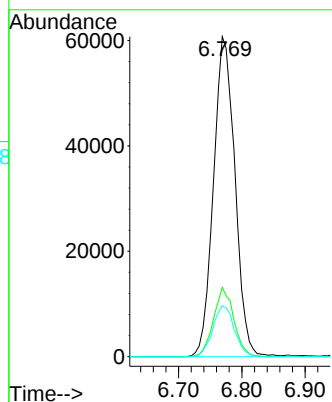
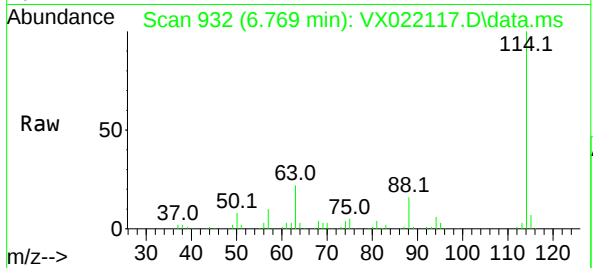




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

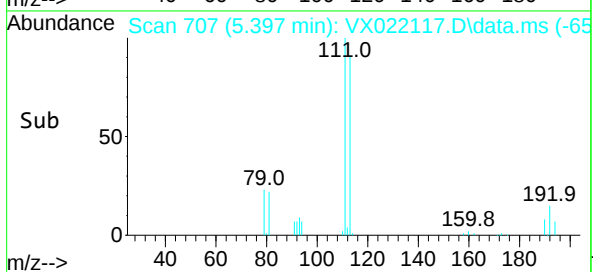
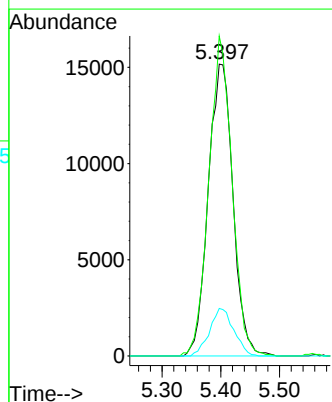
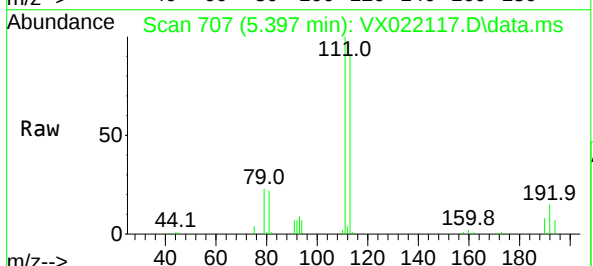
Instrument :
MSVOA_X
ClientSampleId :
CYCLE-WATER

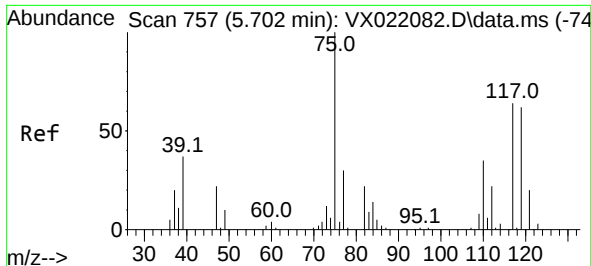
Tgt Ion:114 Resp: 143043
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.92 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Tgt Ion:113 Resp: 44373
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 15.9 16.7 25.1#

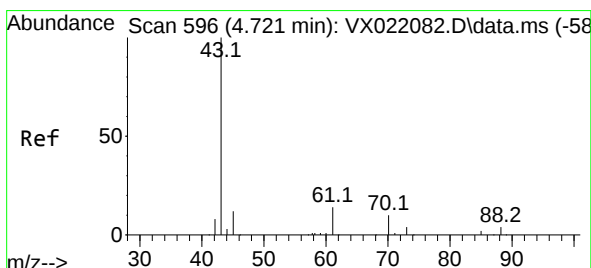
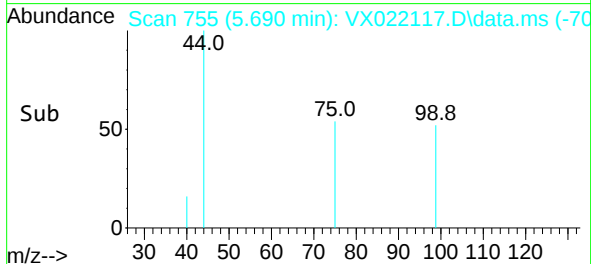
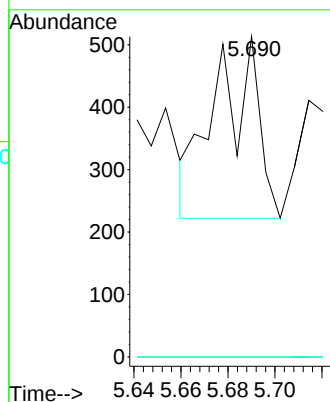
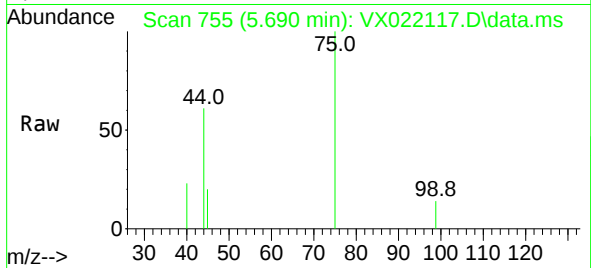




#36
1,1-Dichloropropene
Concen: 0.28 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.012 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

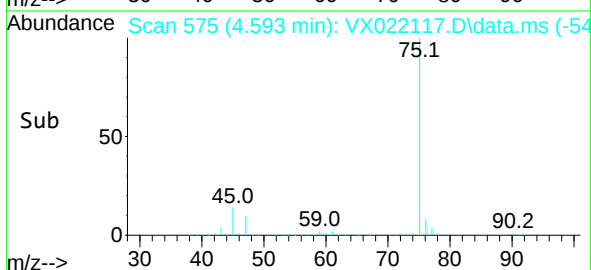
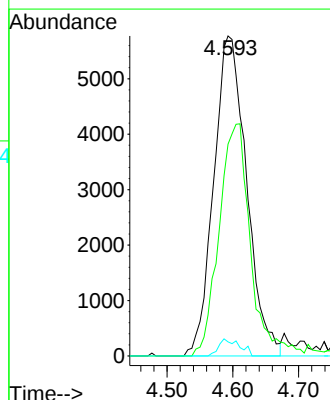
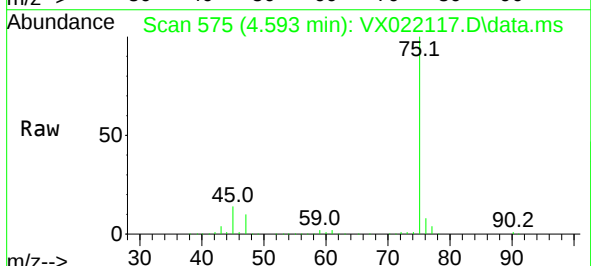
Instrument :
MSVOA_X
ClientSampleId :
CYCLE-WATER

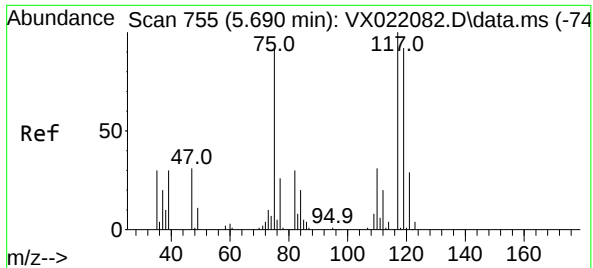
Tgt Ion: 75 Resp: 368
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 12.38 ug/l
RT: 4.593 min Scan# 575
Delta R.T. -0.128 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

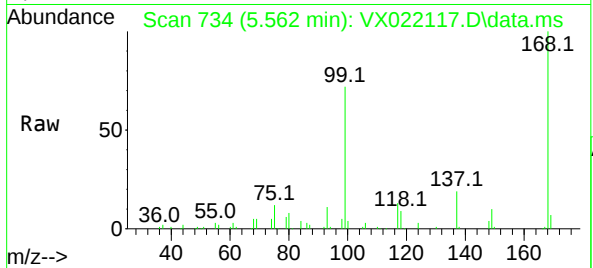
Tgt Ion: 43 Resp: 20070
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 3.4 10.5 15.7#



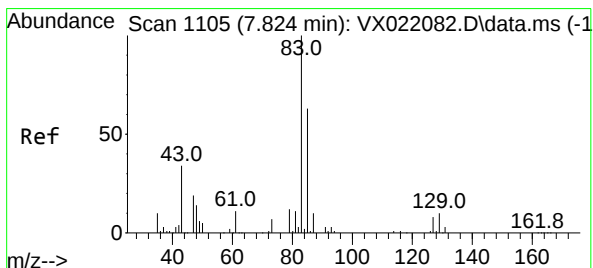
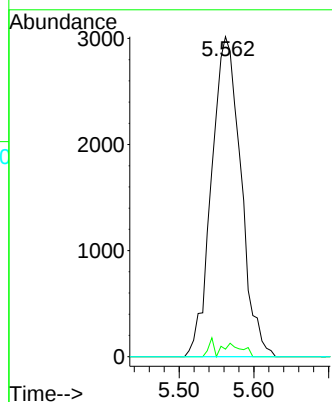
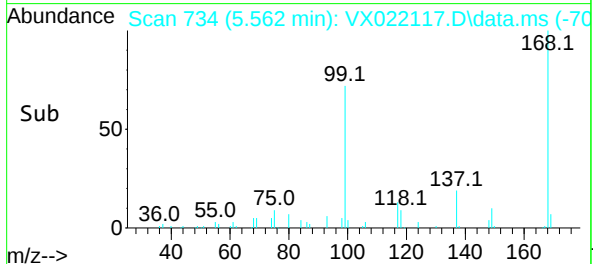


#38
Carbon Tetrachloride
Concen: 6.34 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

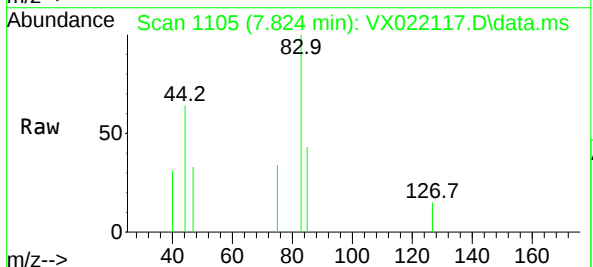
Instrument :
MSVOA_X
ClientSampleId :
CYCLE-WATER



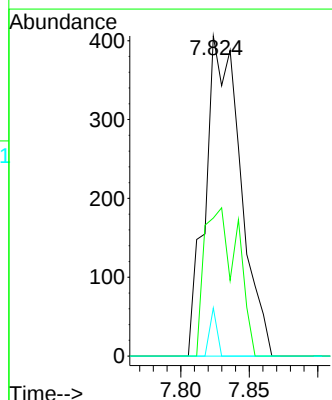
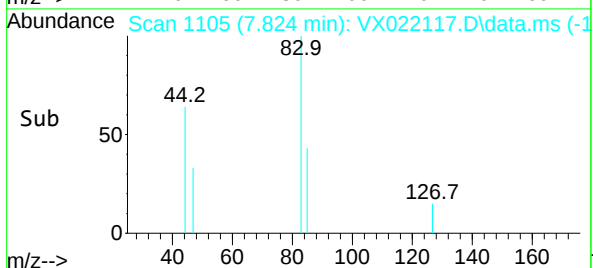
Tgt Ion:117 Resp: 8204
Ion Ratio Lower Upper
117 100
119 2.4 76.2 114.2#
121 0.0 24.8 37.2#

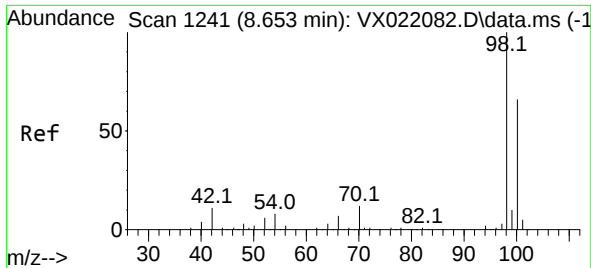


#47
Bromodichloromethane
Concen: 0.51 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55



Tgt Ion: 83 Resp: 723
Ion Ratio Lower Upper
83 100
85 43.1 51.4 77.0#
127 15.0 6.8 10.2#

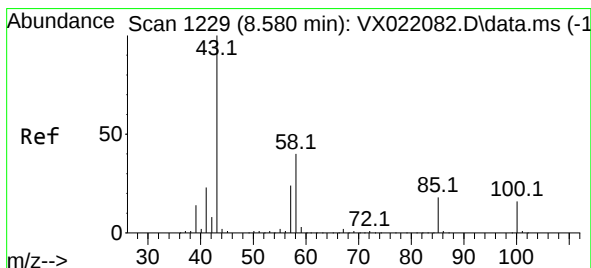
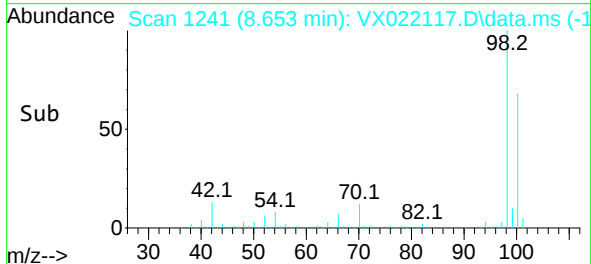
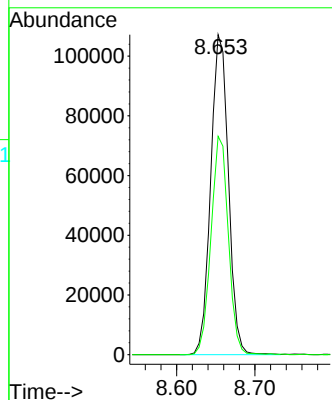
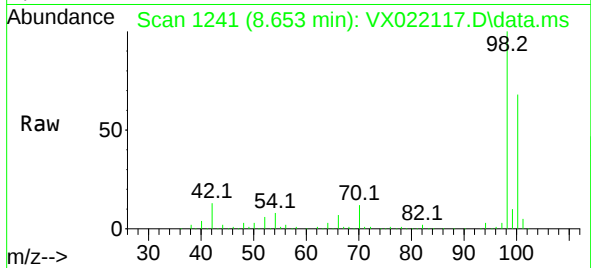




#50
Toluene-d8
Concen: 48.07 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

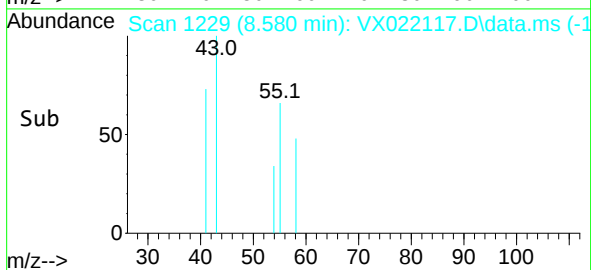
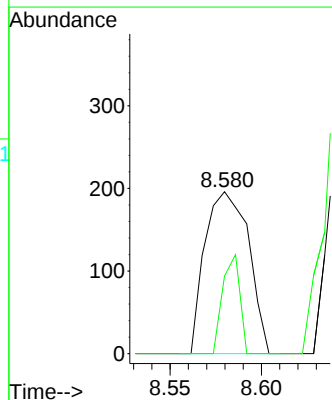
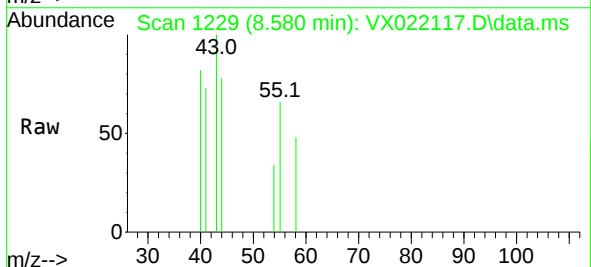
Instrument :
MSVOA_X
ClientSampleId :
CYCLE-WATER

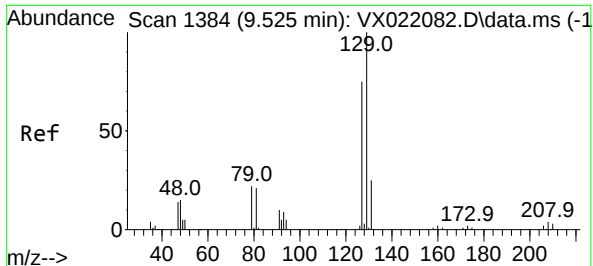
Tgt Ion: 98 Resp: 167987
Ion Ratio Lower Upper
98 100
100 67.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.21 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Tgt Ion: 43 Resp: 326
Ion Ratio Lower Upper
43 100
58 23.9 35.4 53.0#

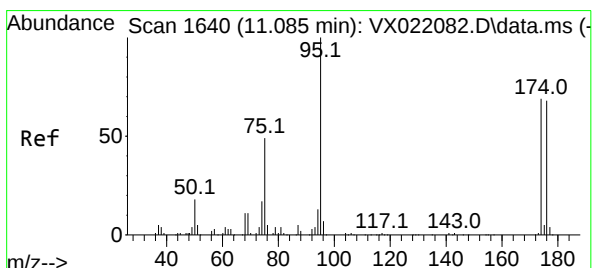
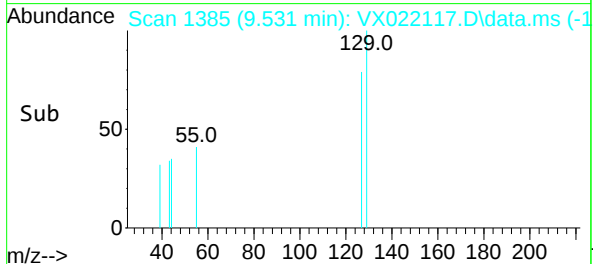
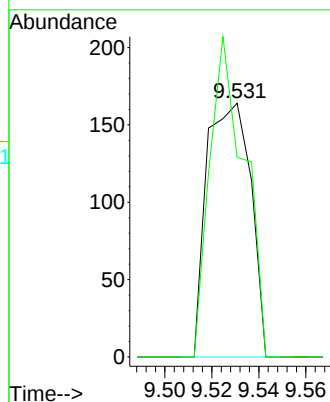
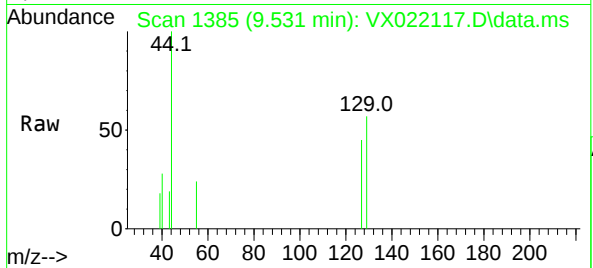




#60
Dibromochloromethane
Concen: 0.21 ug/l
RT: 9.531 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

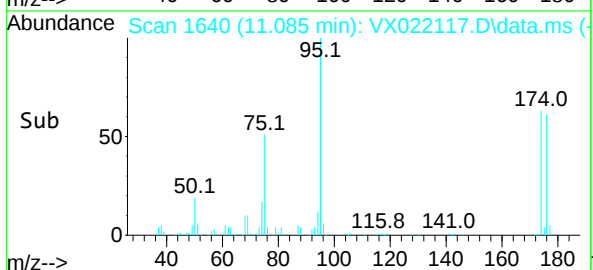
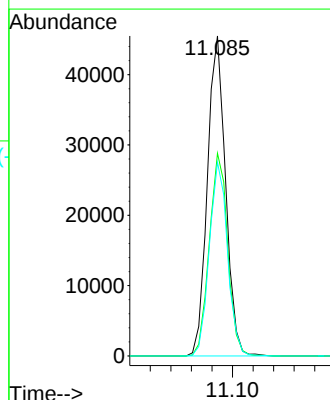
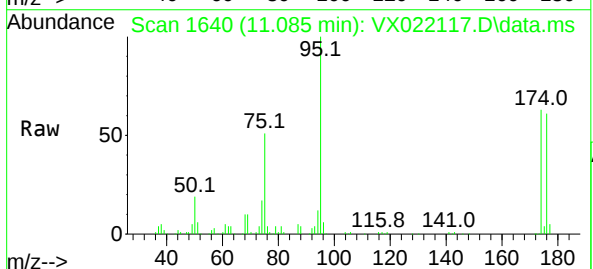
Instrument :
MSVOA_X
ClientSampled :
CYCLE-WATER

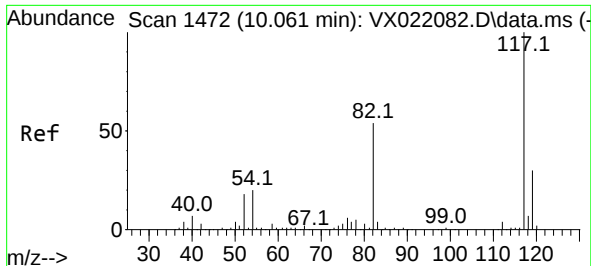
Tgt Ion:129 Resp: 212
Ion Ratio Lower Upper
129 100
127 100.0 38.4 115.2



#62
4-Bromofluorobenzene
Concen: 43.38 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Tgt Ion: 95 Resp: 56026
Ion Ratio Lower Upper
95 100
174 64.2 0.0 154.6
176 60.5 0.0 155.8

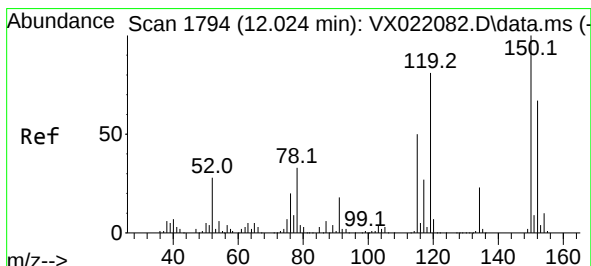
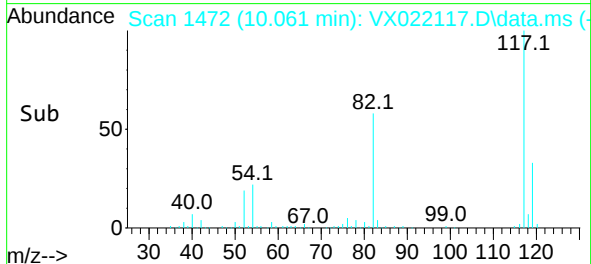
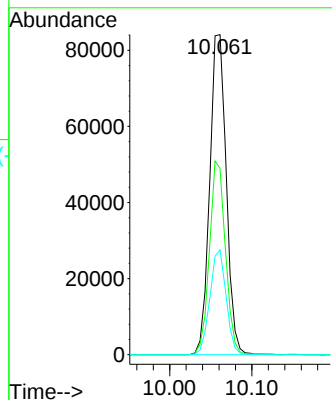
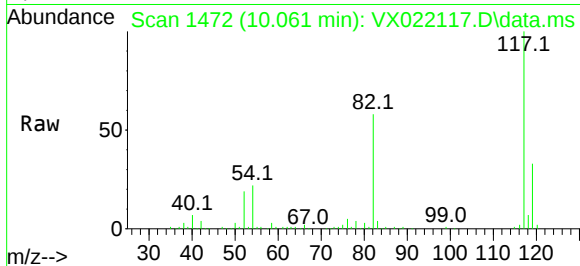




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

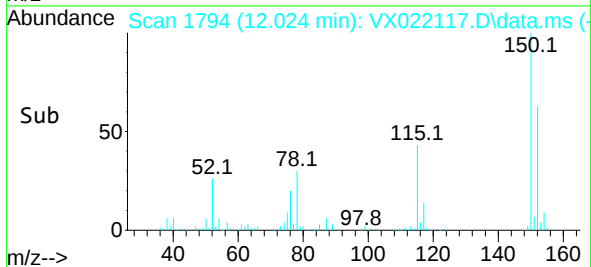
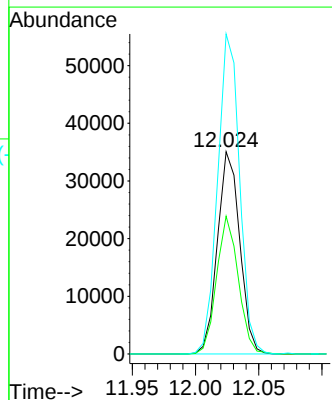
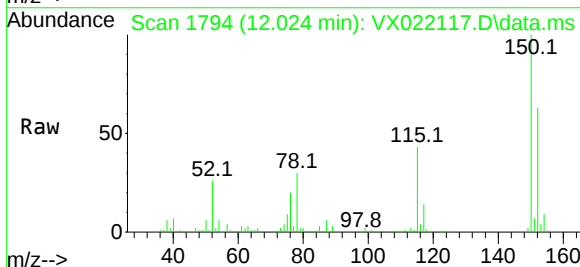
Instrument :
MSVOA_X
ClientSampleId :
CYCLE-WATER

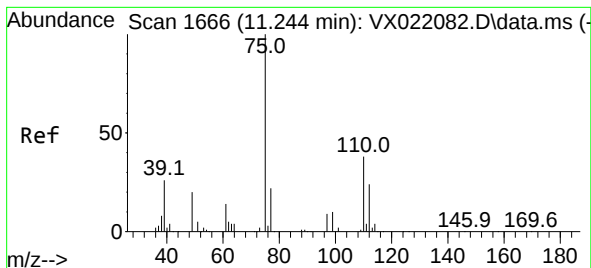
Tgt Ion:117 Resp: 117733
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022117.D
Acq: 21 May 2021 15:55

Tgt Ion:152 Resp: 42972
Ion Ratio Lower Upper
152 100
115 66.3 41.1 123.3
150 156.1 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 26.74 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX022117.D

Acq: 21 May 2021 15:55

Tgt Ion: 75 Resp: 28345

Ion Ratio Lower Upper

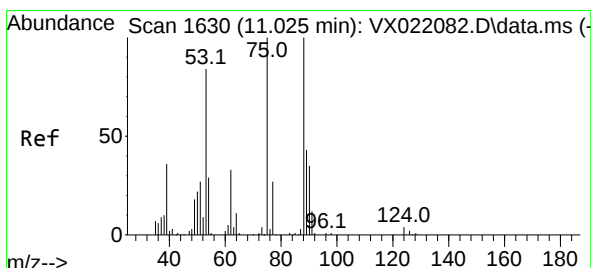
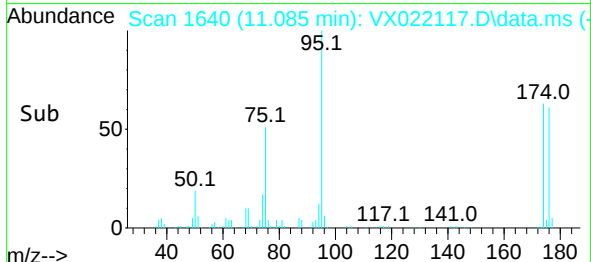
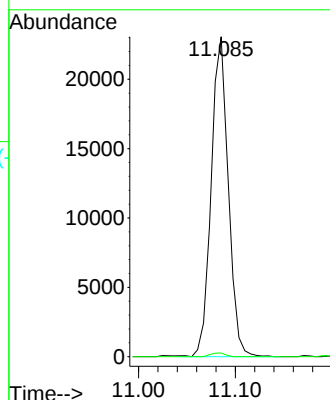
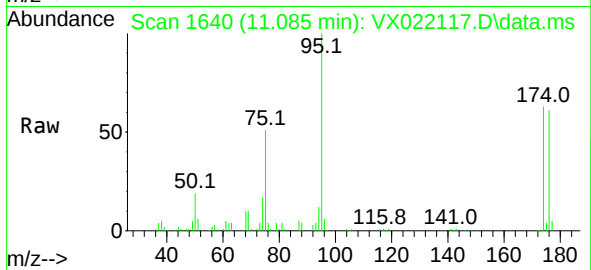
75 100
77 1.0 19.1 57.5#

Instrument :

MSVOA_X

ClientSampleId :

CYCLE-WATER



#81

trans-1,4-Dichloro-2-butene

Concen: 63.35 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.060 min

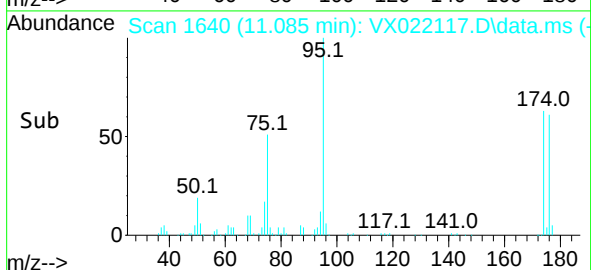
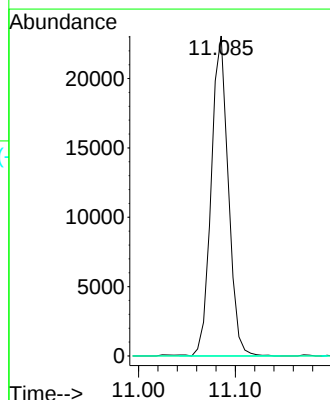
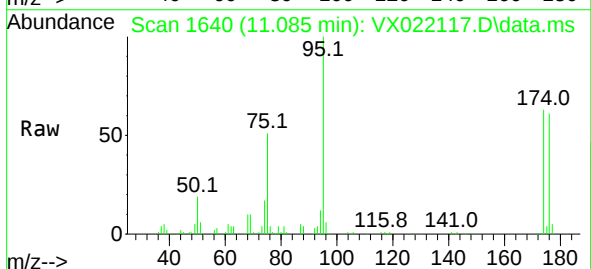
Lab File: VX022117.D

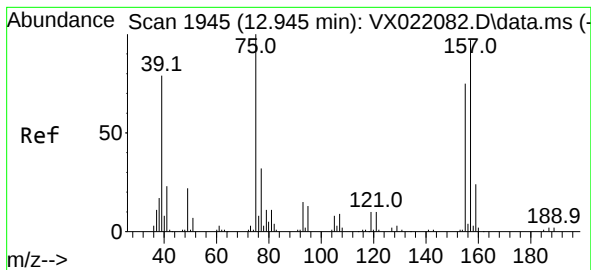
Acq: 21 May 2021 15:55

Tgt Ion: 75 Resp: 28345

Ion Ratio Lower Upper

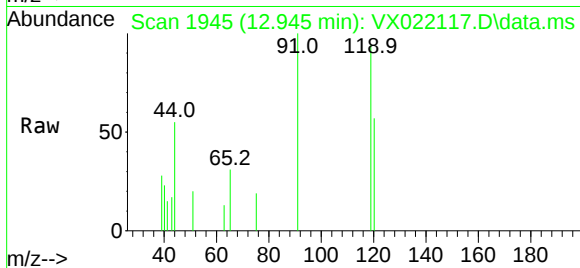
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.46 ug/l
 RT: 12.945 min Scan# 1945
 Delta R.T. -0.000 min
 Lab File: VX022117.D
 Acq: 21 May 2021 15:55

Instrument :
 MSVOA_X
 ClientSampleId :
 CYCLE-WATER



Tgt Ion: 75 Resp: 118
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.3 135.9#
 157 0.0 57.7 173.1#

