

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033023\
 Data File : VX034853.D
 Acq On : 30 Mar 2023 15:28
 Operator : JC/MD
 Sample : 02074-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

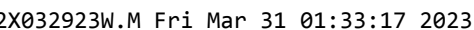
Instrument :
 MSVOA_X
 ClientSampleId :
 GWCB-05-40-45-032323

Quant Time: Mar 31 01:33:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 30 11:02:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	236728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	406005	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	363654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	162104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	171656	47.413	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.820%		
35) Dibromofluoromethane	5.391	113	128679	47.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.840%		
50) Toluene-d8	8.647	98	494837	49.923	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.840%		
62) 4-Bromofluorobenzene	11.079	95	177295	46.223	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.440%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	2532	0.869	ug/l #	85
16) Acetone	2.392	43	3474	2.371	ug/l	95
20) Methylene Chloride	2.788	84	1044	0.356	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	1836	0.357	ug/l #	81
25) 2-Butanone	4.599	43	3596	1.691	ug/l #	90
27) cis-1,2-Dichloroethene	4.489	96	8008	2.588	ug/l	90
28) Bromochloromethane	5.105	49	971	0.384	ug/l #	15
30) Chloroform	5.093	83	10029	1.937	ug/l	95
31) Cyclohexane	5.550	56	6406	1.453	ug/l #	29
36) 1,1-Dichloropropene	5.556	75	19877	5.013	ug/l #	50
38) Carbon Tetrachloride	5.550	117	24524	6.511	ug/l #	16
44) Trichloroethene	7.135	130	2822	0.969	ug/l	95
47) Bromodichloromethane	7.830	83	848	0.227	ug/l #	64
49) 1,4-Dioxane	7.702	88	129	1.878	ug/l #	40
59) 2-Hexanone	9.458	43	677	0.218	ug/l	81
60) Dibromochloromethane	9.275	129	8487	3.162	ug/l #	10
64) Tetrachloroethene	9.275	164	8728	3.362	ug/l	95
74) N-amyl acetate	10.860	43	1189	0.221	ug/l #	36
76) 1,2,3-Trichloropropane	11.079	75	96027	28.929	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	96027	77.486	ug/l #	8

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

Quant Time: Mar 31 01:33:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 30 11:02:25 2023
Response via : Initial Calibration

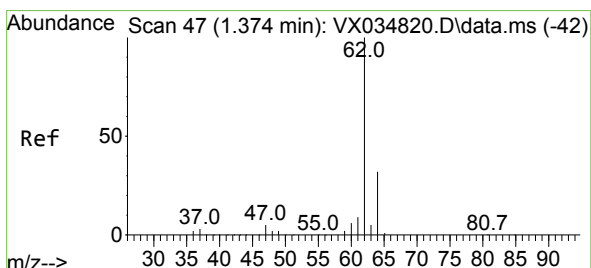
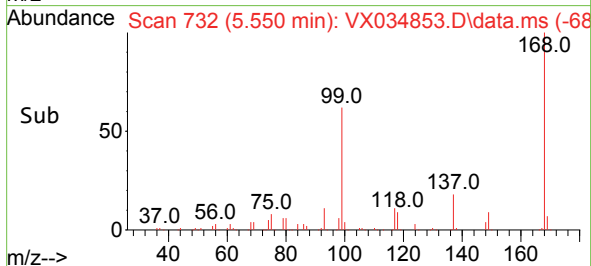
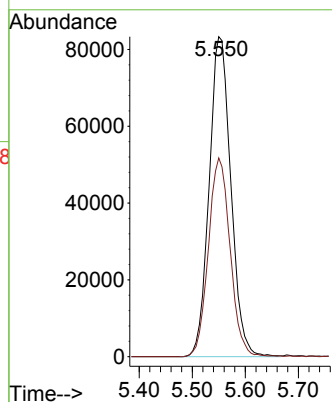
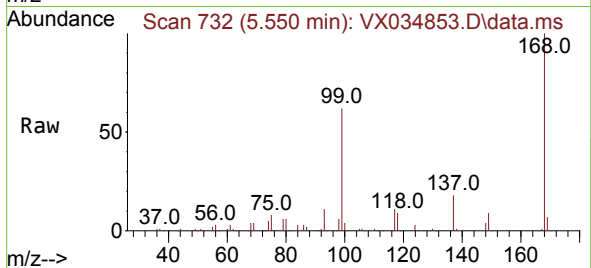




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

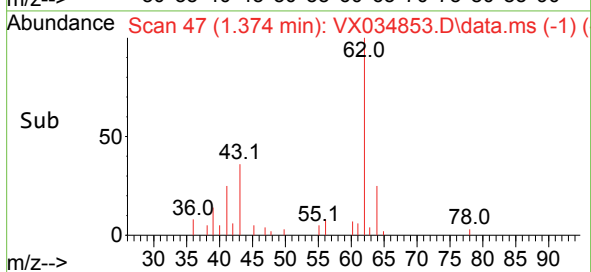
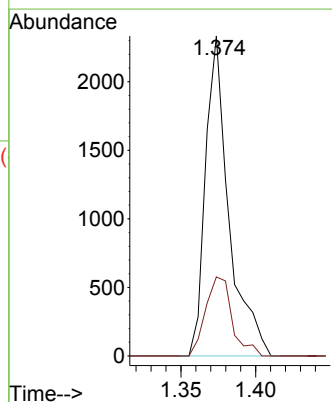
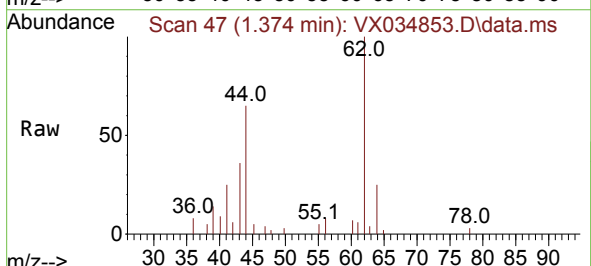
Instrument :
MSVOA_X
ClientSampleId :
GWCB-05-40-45-032323

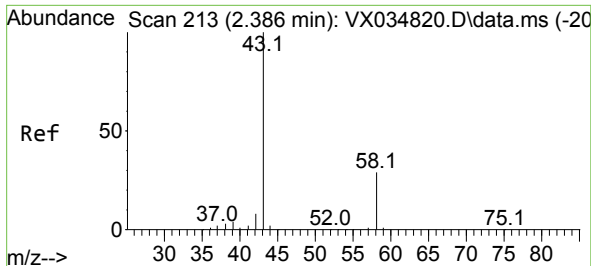
Tgt Ion:168 Resp: 236728
Ion Ratio Lower Upper
168 100
99 62.1 45.7 68.5



#4
Vinyl Chloride
Concen: 0.869 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

Tgt Ion: 62 Resp: 2532
Ion Ratio Lower Upper
62 100
64 24.7 26.4 39.6#

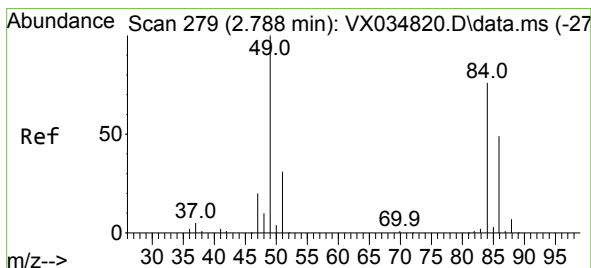
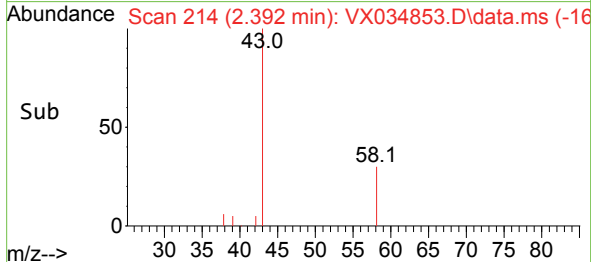
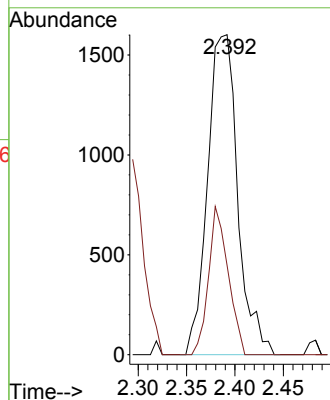
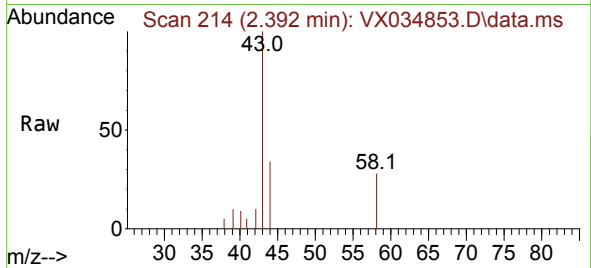




#16
Acetone
Concen: 2.371 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

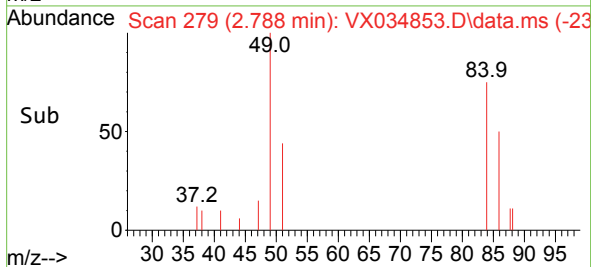
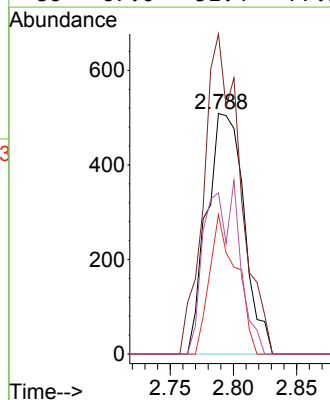
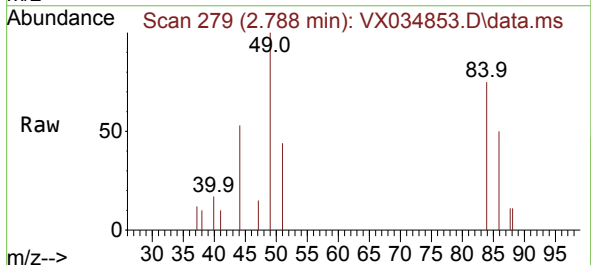
Instrument :
MSVOA_X
ClientSampleId :
GWCB-05-40-45-032323

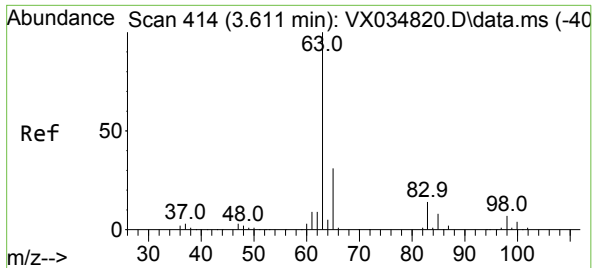
Tgt Ion: 43 Resp: 3474
Ion Ratio Lower Upper
43 100
58 27.9 24.7 37.1



#20
Methylene Chloride
Concen: 0.356 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

Tgt Ion: 84 Resp: 1044
Ion Ratio Lower Upper
84 100
49 133.0 103.8 155.8
51 58.0 31.8 47.8#
86 67.0 51.4 77.2





#24

1,1-Dichloroethane

Concen: 0.357 ug/l

RT: 3.611 min Scan# 414

Delta R.T. -0.000 min

Lab File: VX034853.D

Acq: 30 Mar 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

GWCB-05-40-45-032323

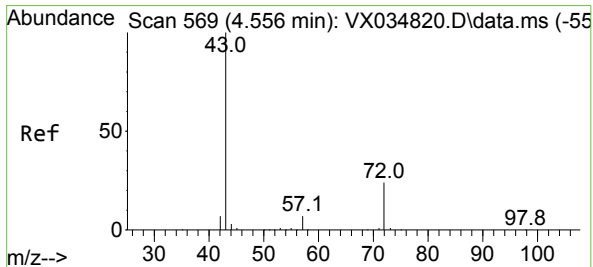
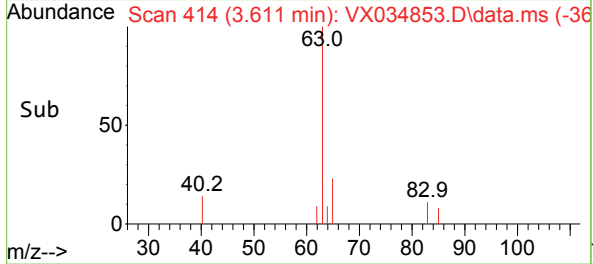
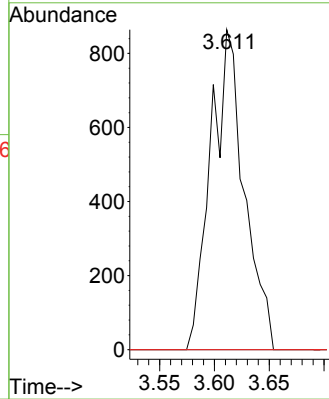
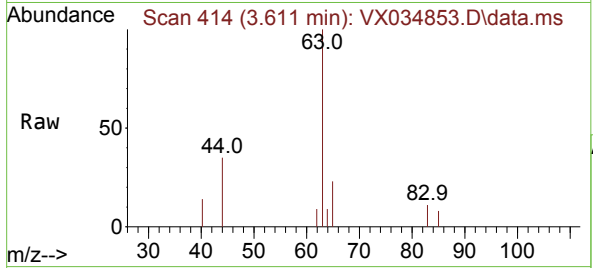
Tgt Ion: 63 Resp: 1836

Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.4 7.1#



#25

2-Butanone

Concen: 1.691 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.043 min

Lab File: VX034853.D

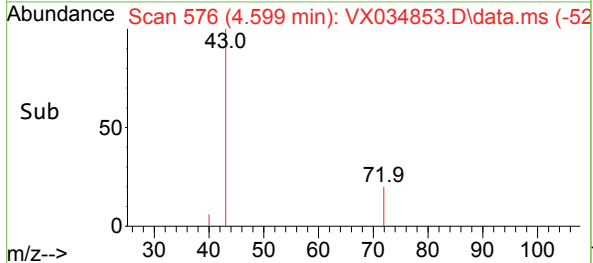
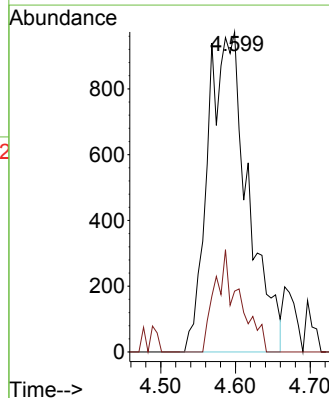
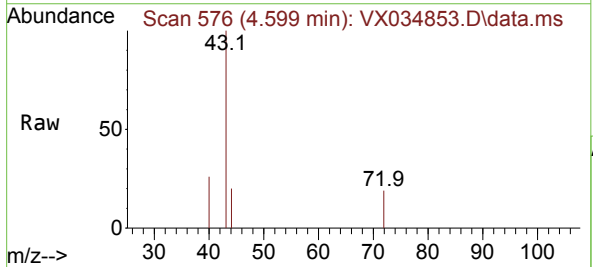
Acq: 30 Mar 2023 15:28

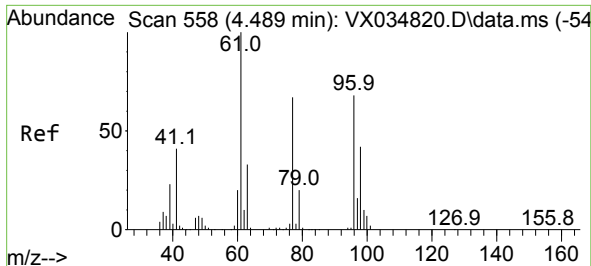
Tgt Ion: 43 Resp: 3596

Ion Ratio Lower Upper

43 100

72 19.0 19.3 28.9#

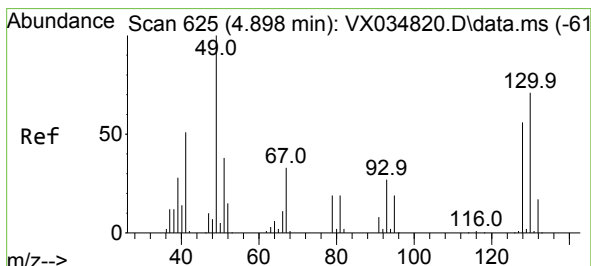
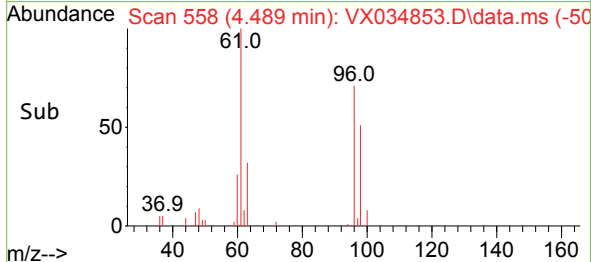
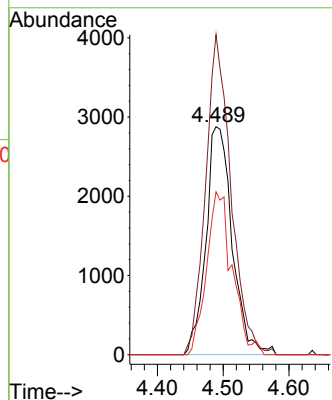
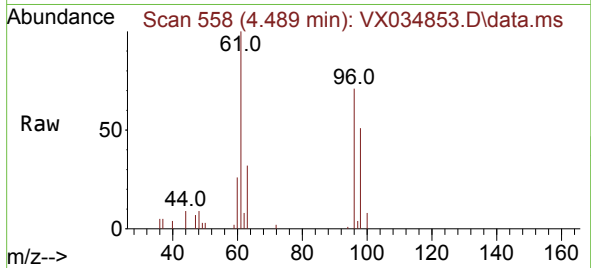




#27
 cis-1,2-Dichloroethene
 Concen: 2.588 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX034853.D
 Acq: 30 Mar 2023 15:28

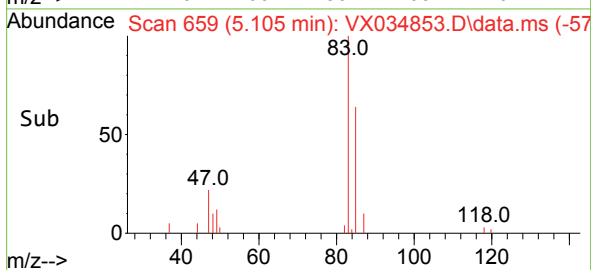
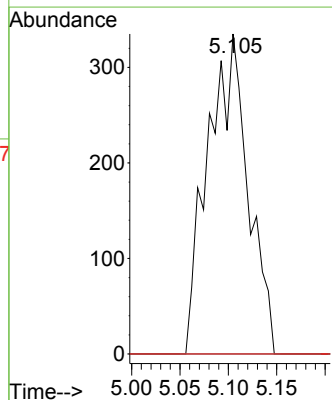
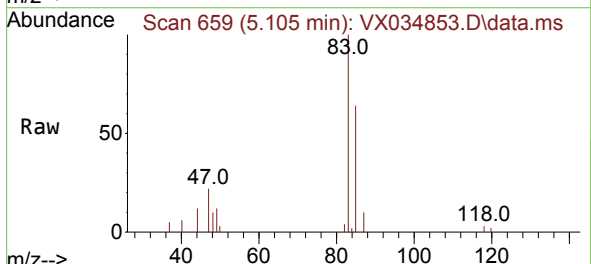
Instrument :
 MSVOA_X
 ClientSampleId :
 GWCB-05-40-45-032323

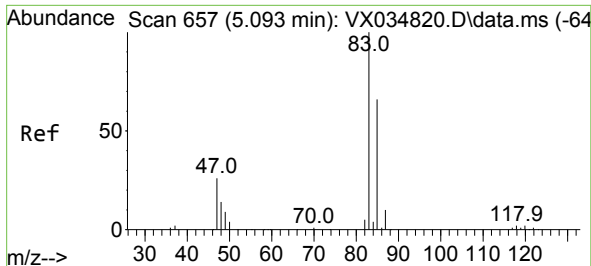
Tgt Ion: 96 Resp: 8008
 Ion Ratio Lower Upper
 96 100
 61 135.6 0.0 300.4
 98 69.9 0.0 129.0



#28
 Bromochloromethane
 Concen: 0.384 ug/l
 RT: 5.105 min Scan# 659
 Delta R.T. 0.207 min
 Lab File: VX034853.D
 Acq: 30 Mar 2023 15:28

Tgt Ion: 49 Resp: 971
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 0.0 58.2 87.2#

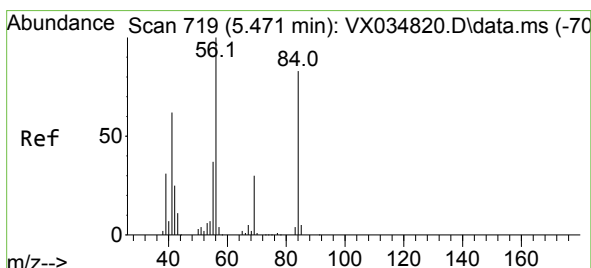
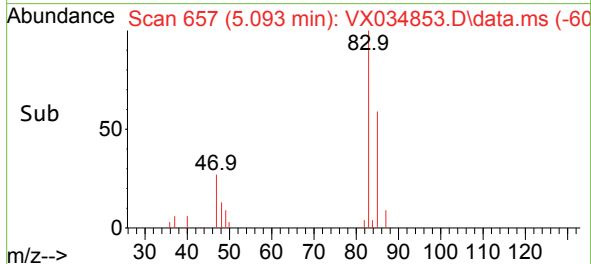
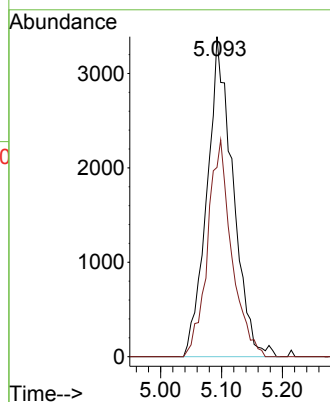
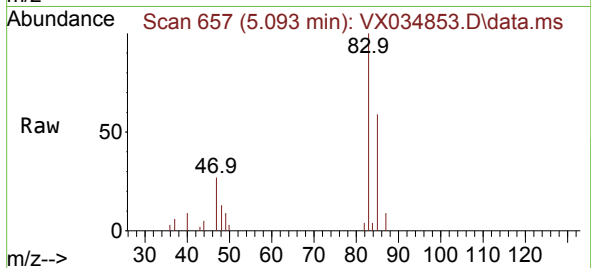




#30
Chloroform
Concen: 1.937 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

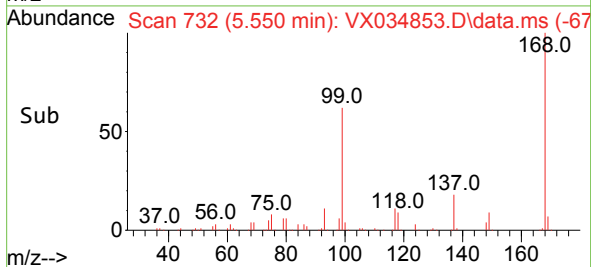
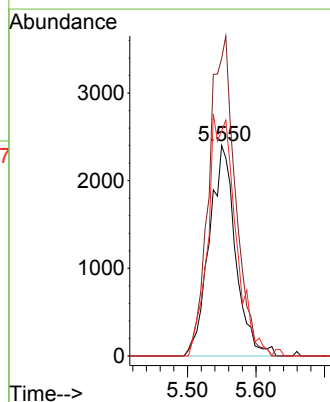
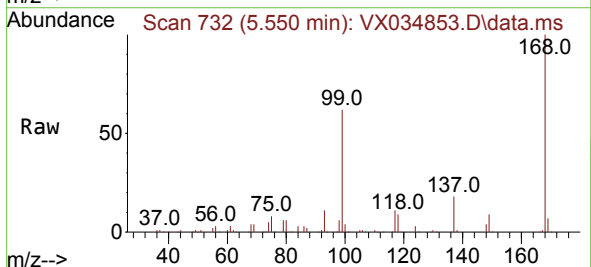
Instrument :
MSVOA_X
ClientSampleId :
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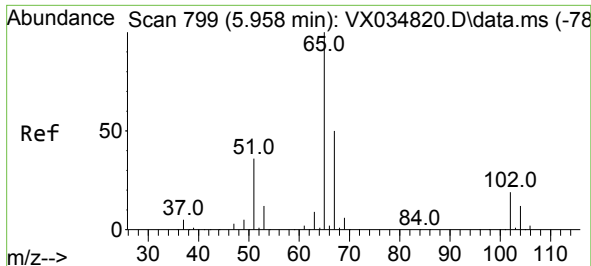
Tgt Ion: 83 Resp: 10029
Ion Ratio Lower Upper
83 100
85 59.2 50.6 76.0



#31
Cyclohexane
Concen: 1.453 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

Tgt Ion: 56 Resp: 6406
Ion Ratio Lower Upper
56 100
69 141.2 23.7 35.5#
84 106.9 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 47.413 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX034853.D

Acq: 30 Mar 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

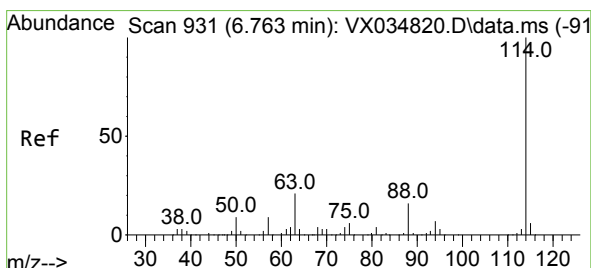
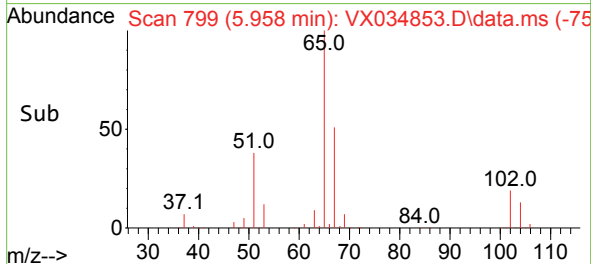
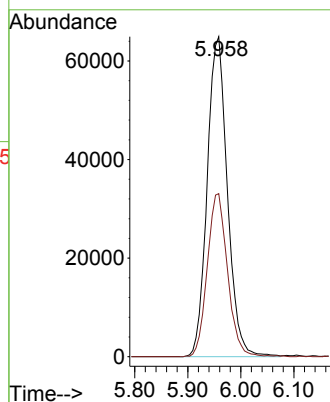
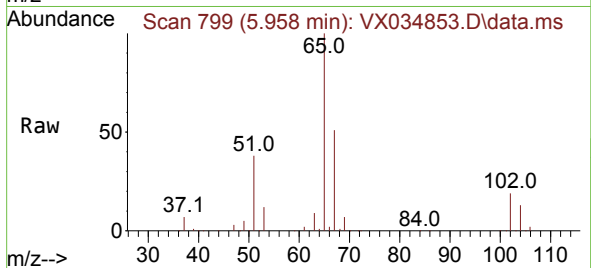
GWCB-05-40-45-032323

Tgt Ion: 65 Resp: 171656

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX034853.D

Acq: 30 Mar 2023 15:28

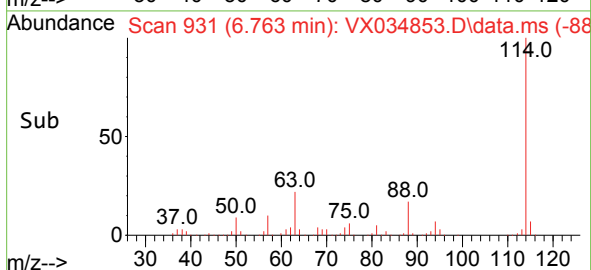
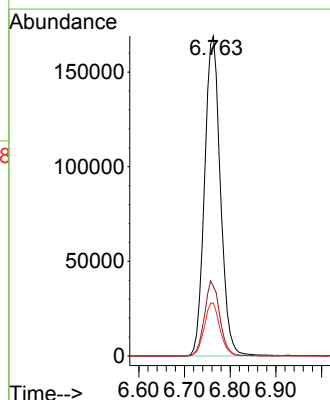
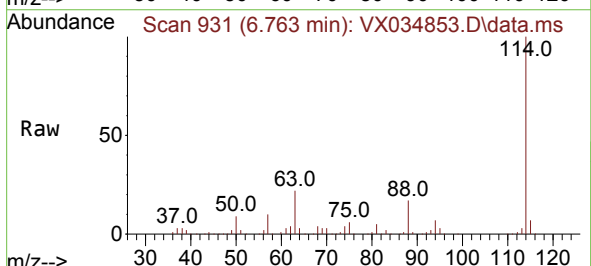
Tgt Ion: 114 Resp: 406005

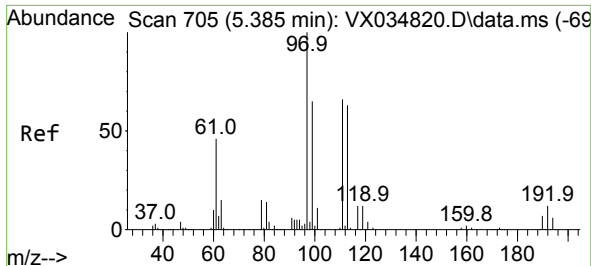
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.2

88 16.5 0.0 33.2

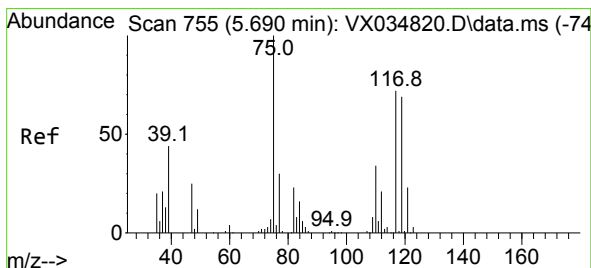
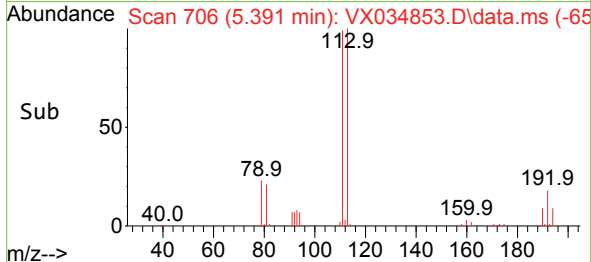
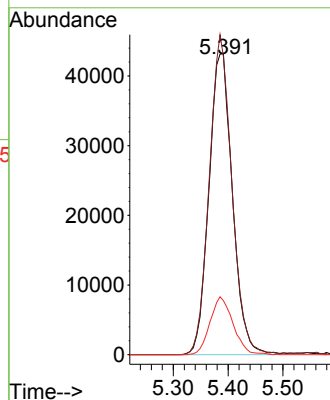
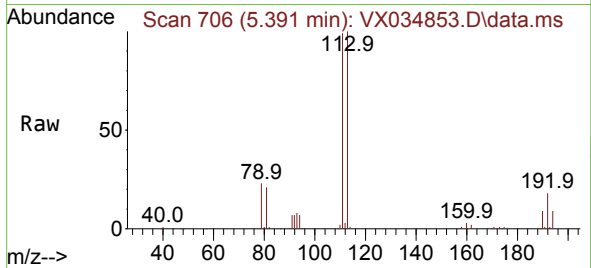




#35
Dibromofluoromethane
Concen: 47.918 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

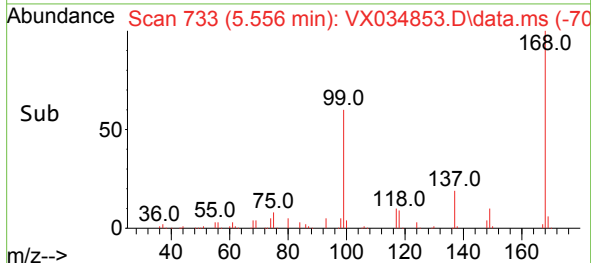
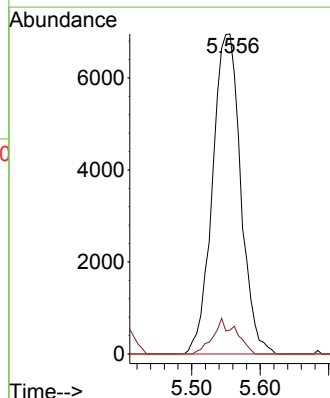
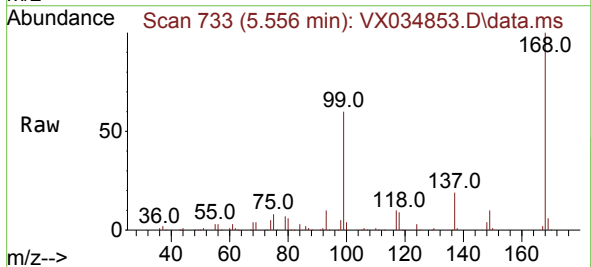
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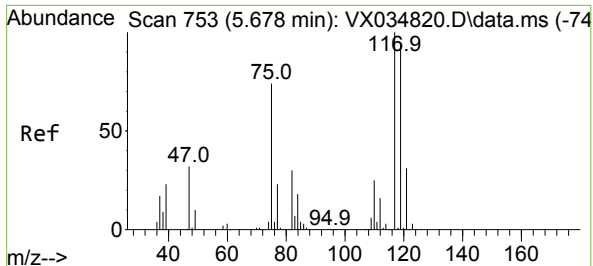
Tgt Ion:113 Resp: 128679
Ion Ratio Lower Upper
113 100
111 102.2 83.7 125.5
192 18.9 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.013 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

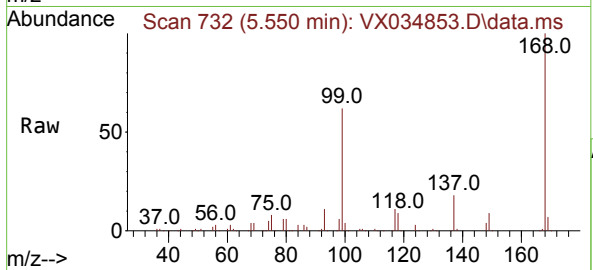
Tgt Ion: 75 Resp: 19877
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.5#
77 0.0 24.3 36.5#



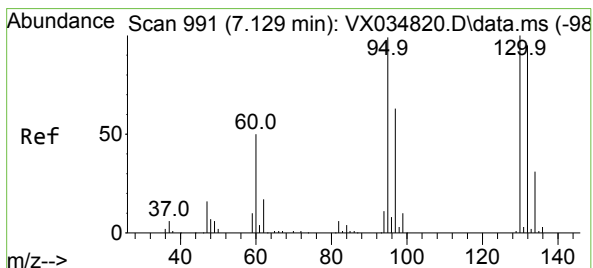
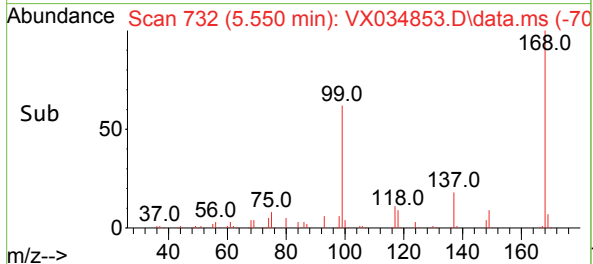
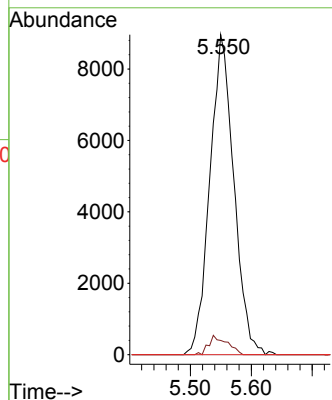


#38
Carbon Tetrachloride
Concen: 6.511 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

Instrument :
MSVOA_X
ClientSampleId :
GWCB-05-40-45-032323

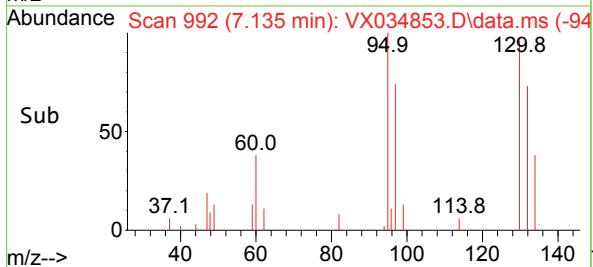
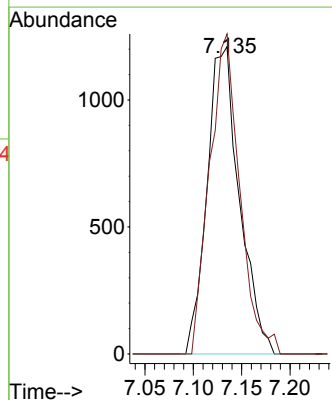
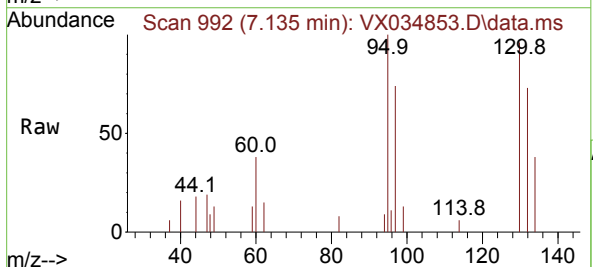


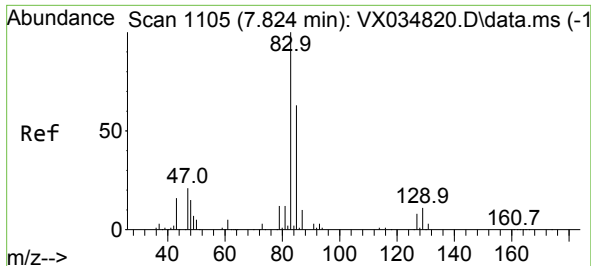
Tgt Ion:117 Resp: 24524
Ion Ratio Lower Upper
117 100
119 4.5 76.6 114.8#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 0.969 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

Tgt Ion:130 Resp: 2822
Ion Ratio Lower Upper
130 100
95 104.1 0.0 198.4

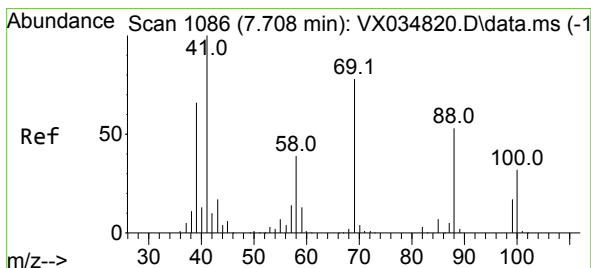
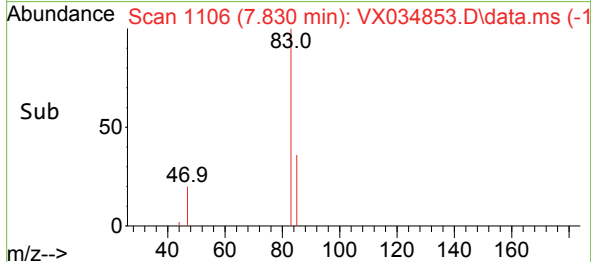
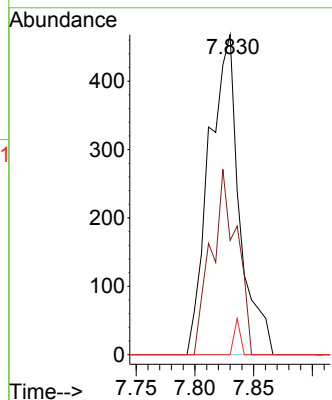
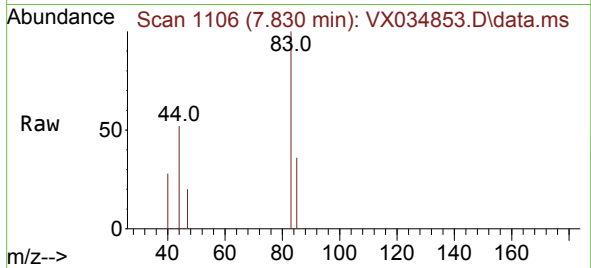




#47
Bromodichloromethane
Concen: 0.227 ug/l
RT: 7.830 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

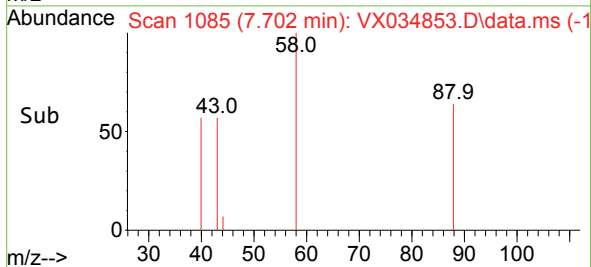
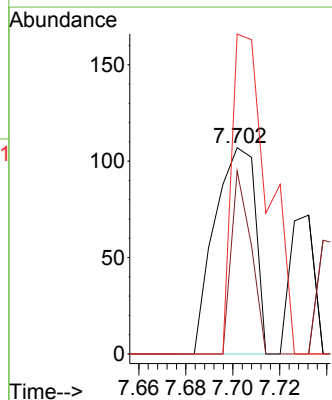
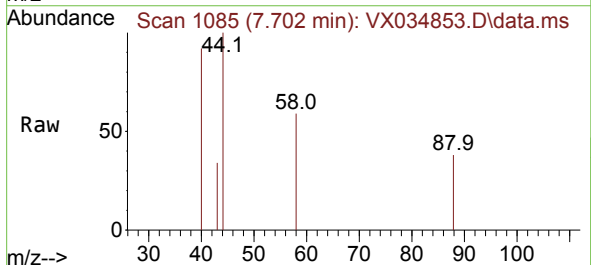
Instrument :
MSVOA_X
ClientSampleId :
GWCB-05-40-45-032323

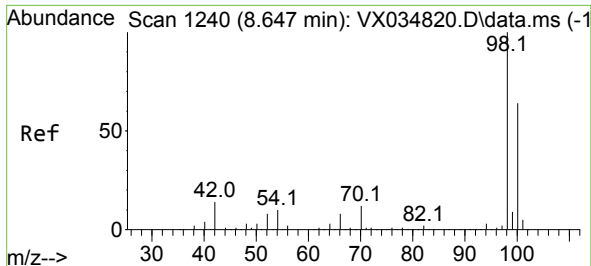
Tgt Ion: 83 Resp: 848
Ion Ratio Lower Upper
83 100
85 35.7 52.2 78.4#
127 0.0 6.6 9.8#



#49
1,4-Dioxane
Concen: 1.878 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. -0.006 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

Tgt Ion: 88 Resp: 129
Ion Ratio Lower Upper
88 100
43 42.6 27.7 41.5#
58 138.8 56.8 85.2#

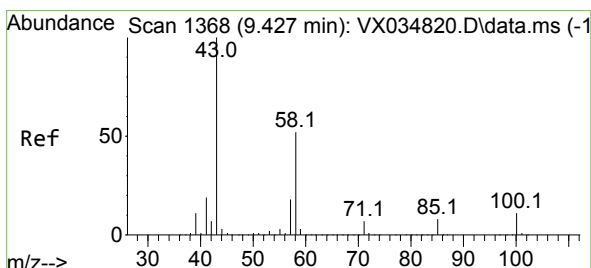
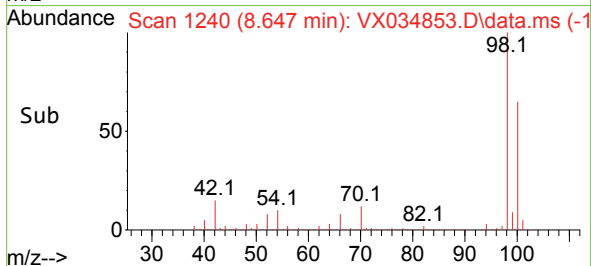
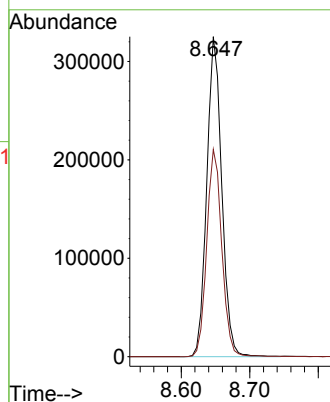
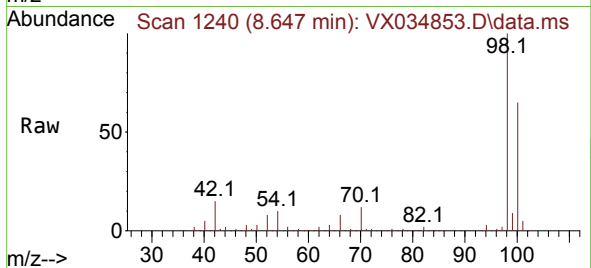




#50
Toluene-d8
Concen: 49.923 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

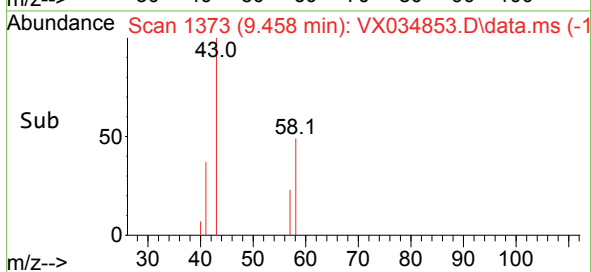
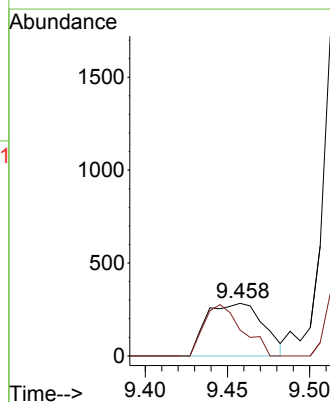
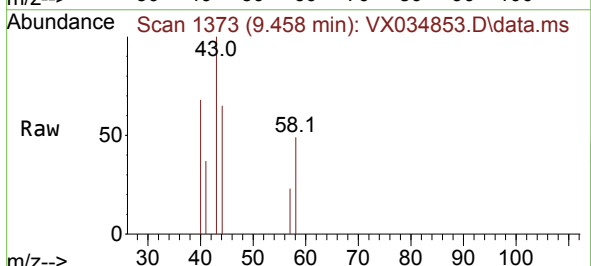
Instrument :
MSVOA_X
ClientSampleId :
GWCB-05-40-45-032323

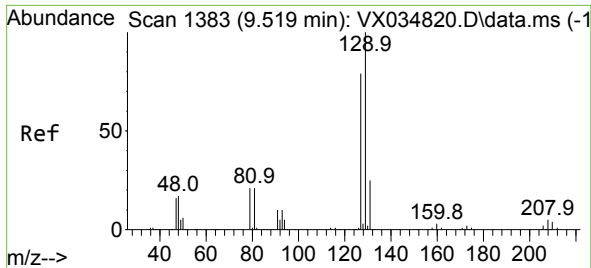
Tgt Ion: 98 Resp: 494837
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#59
2-Hexanone
Concen: 0.218 ug/l
RT: 9.458 min Scan# 1373
Delta R.T. 0.030 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

Tgt Ion: 43 Resp: 677
Ion Ratio Lower Upper
43 100
58 65.9 26.3 78.9

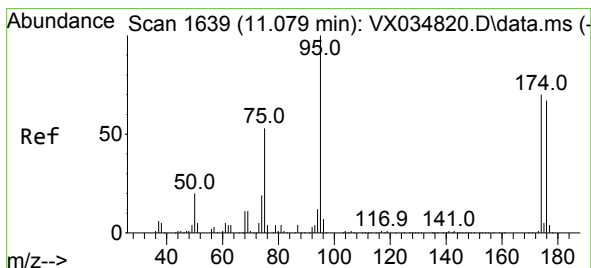
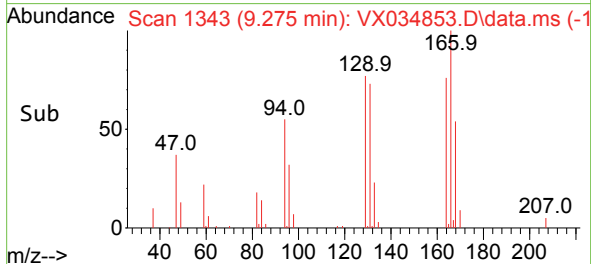
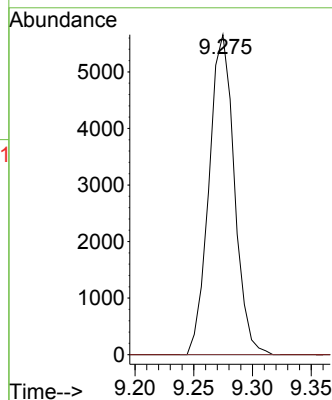
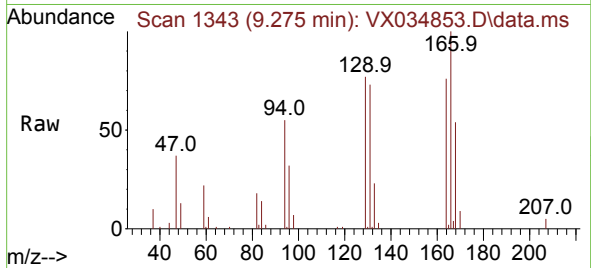




#60
Dibromochloromethane
Concen: 3.162 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

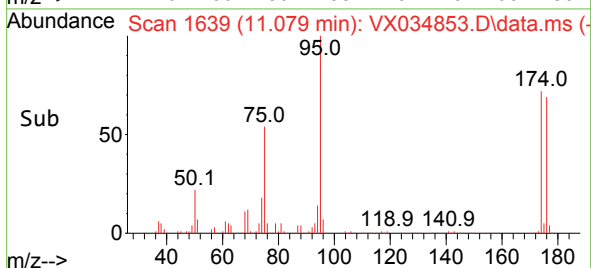
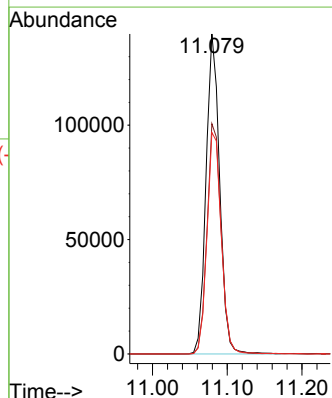
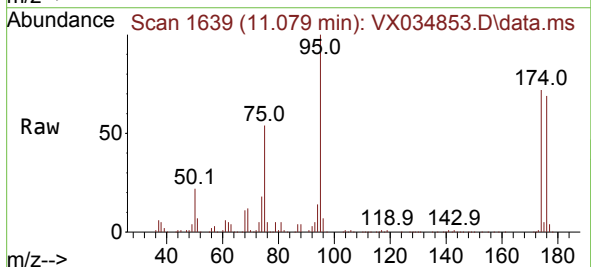
Instrument :
MSVOA_X
ClientSampleId :
GWCB-05-40-45-032323

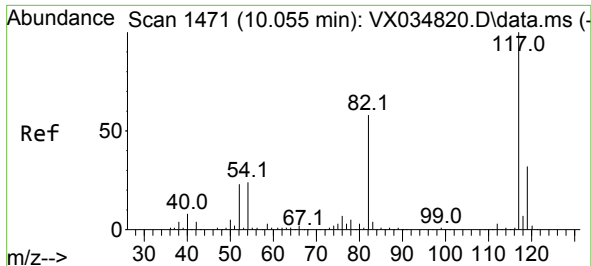
Tgt Ion:129 Resp: 8487
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 46.223 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

Tgt Ion: 95 Resp: 177295
Ion Ratio Lower Upper
95 100
174 74.3 0.0 147.4
176 72.2 0.0 140.6

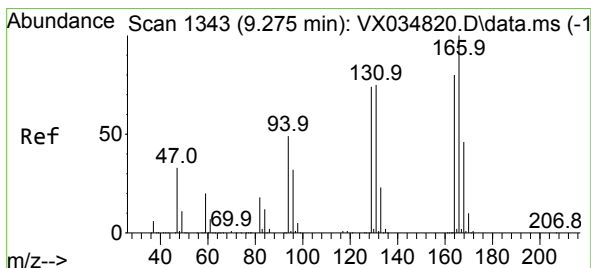
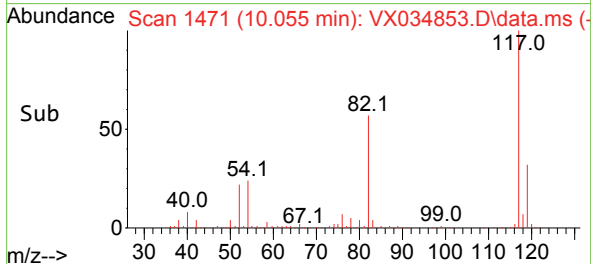
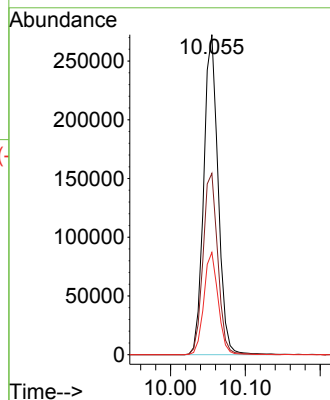
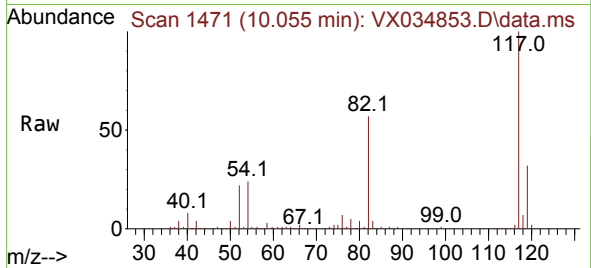




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

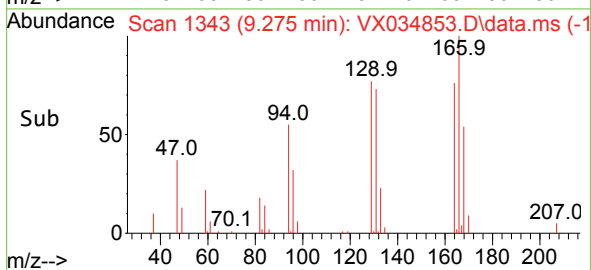
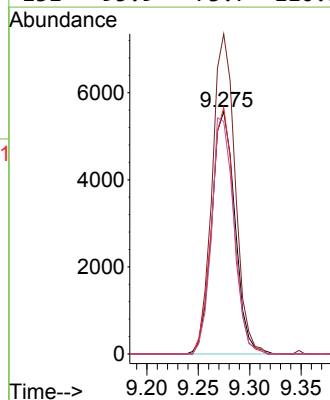
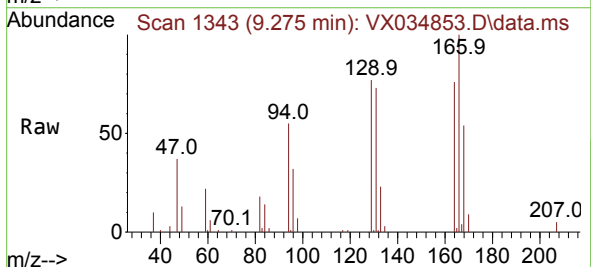
Instrument :
MSVOA_X
ClientSampleId :
GWCB-05-40-45-032323

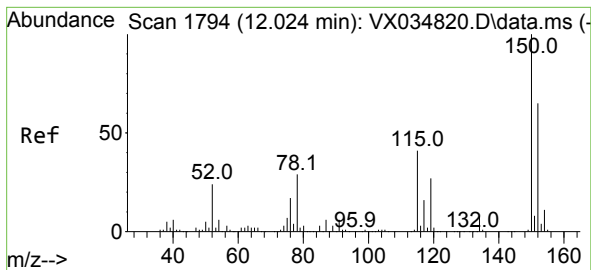
Tgt Ion:117 Resp: 363654
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.4
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 3.362 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX034853.D
Acq: 30 Mar 2023 15:28

Tgt Ion:164 Resp: 8728
Ion Ratio Lower Upper
164 100
166 132.0 102.7 154.1
129 101.6 75.6 113.4
131 95.9 73.7 110.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034853.D

Acq: 30 Mar 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

GWCB-05-40-45-032323

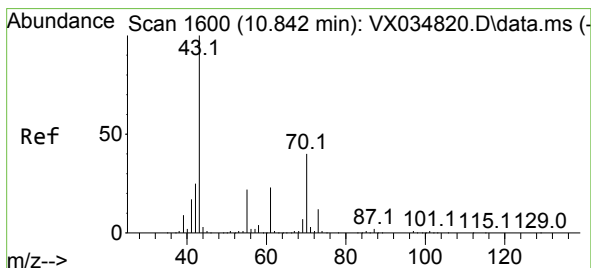
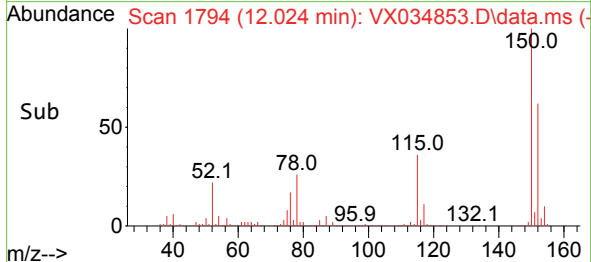
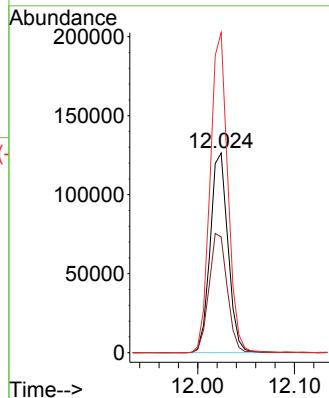
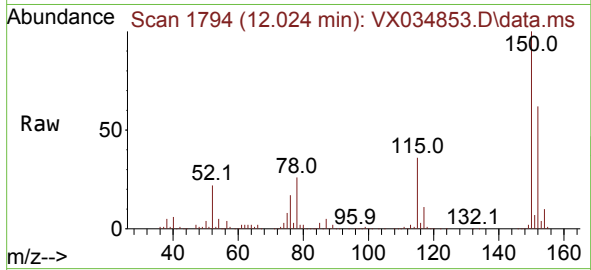
Tgt Ion:152 Resp: 162104

Ion Ratio Lower Upper

152 100

115 61.3 45.0 135.0

150 158.4 0.0 352.4



#74

N-ethyl acetate

Concen: 0.221 ug/l

RT: 10.860 min Scan# 1603

Delta R.T. 0.018 min

Lab File: VX034853.D

Acq: 30 Mar 2023 15:28

Tgt Ion: 43 Resp: 1189

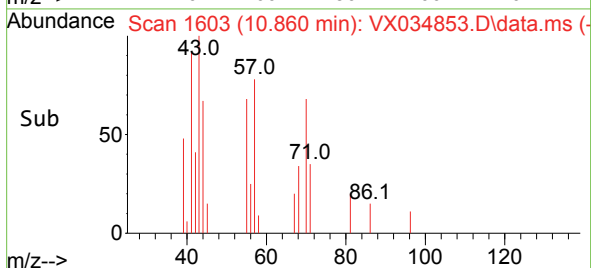
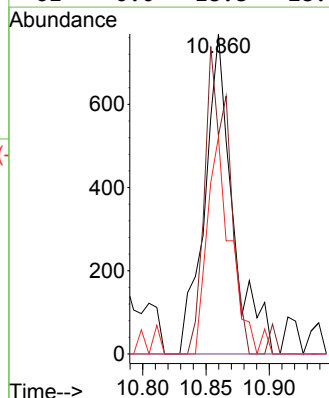
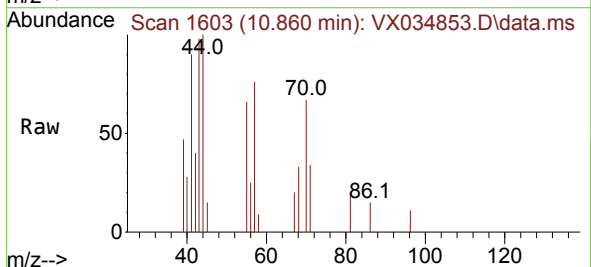
Ion Ratio Lower Upper

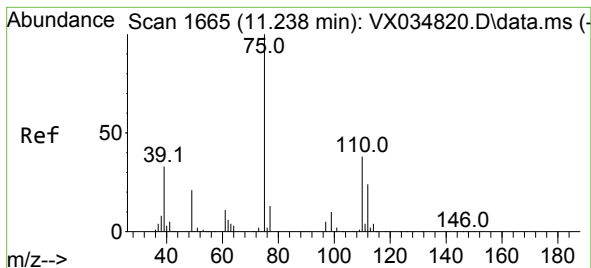
43 100

70 81.9 32.1 48.1#

55 58.3 18.3 27.5#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 28.929 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX034853.D

Acq: 30 Mar 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

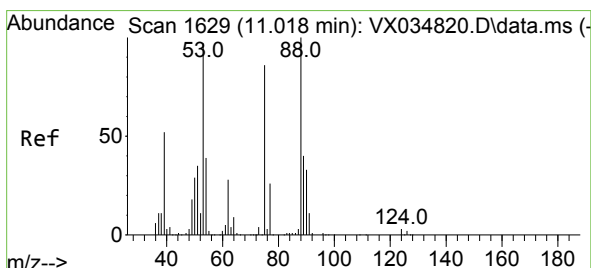
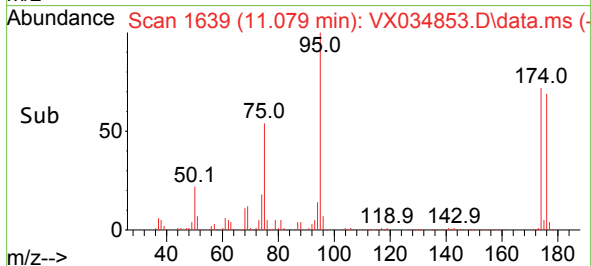
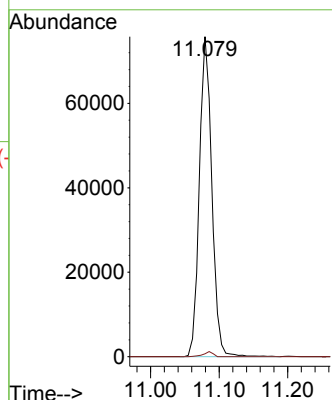
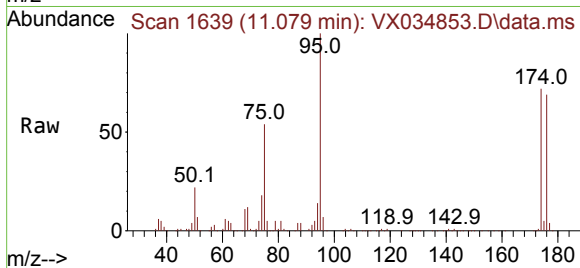
GWCB-05-40-45-032323

Tgt Ion: 75 Resp: 96027

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.486 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034853.D

Acq: 30 Mar 2023 15:28

Tgt Ion: 75 Resp: 96027

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

