

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078515.D
 Acq On : 14 Jul 2023 12:20
 Operator : JC\MD
 Sample : 03624-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

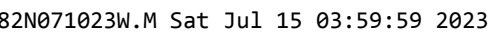
Quant Time: Jul 15 03:59:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

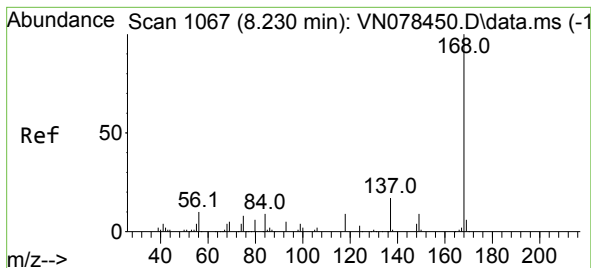
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	404674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	724706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	672137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	234193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	274682	50.632	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.260%		
35) Dibromofluoromethane	8.171	113	270636	55.013	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 110.020%		
50) Toluene-d8	10.571	98	851237	45.804	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 91.600%		
62) 4-Bromofluorobenzene	12.853	95	288415	50.383	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 100.760%		
Target Compounds						
						Qvalue
3) Chloromethane	2.371	50	2923	0.542	ug/l #	83
5) Bromomethane	2.965	94	1032	Below Cal	#	80
6) Chloroethane	3.124	64	440	Below Cal	#	71
16) Acetone	4.459	43	1678	0.993	ug/l #	77
20) Methylene Chloride	5.283	84	3446	Below Cal	#	91
31) Cyclohexane	8.236	56	8933	1.218	ug/l #	46
36) 1,1-Dichloropropene	8.230	75	32117	4.521	ug/l #	50
38) Carbon Tetrachloride	8.230	117	43106	5.584	ug/l #	18
43) Isopropyl Acetate	8.765	43	2832	0.290	ug/l #	49
59) 2-Hexanone	11.206	43	1199	0.291	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	12.947	83	274	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	153613	27.137	ug/l #	1
77) Bromobenzene	12.988	156	73	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	153613	71.310	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.653	75	106	Below Cal	#	4
94) Hexachlorobutadiene	15.500	225	237	Below Cal	#	19

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

Quant Time: Jul 15 03:59:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. 0.005 min

Lab File: VN078515.D

Acq: 14 Jul 2023 12:20

Instrument :

MSVOA_N

ClientSampleId :

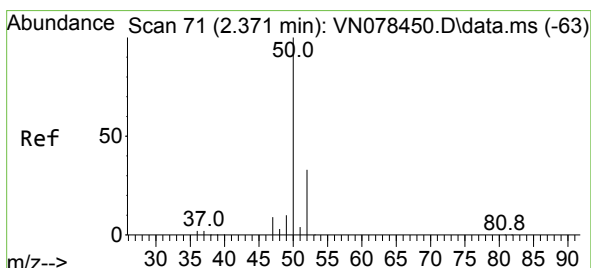
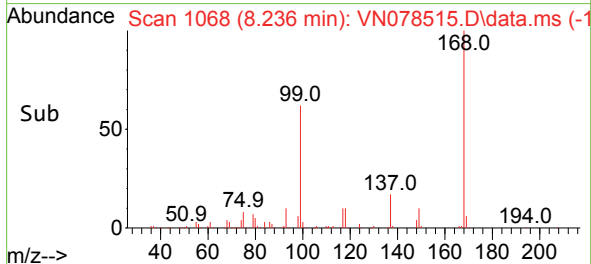
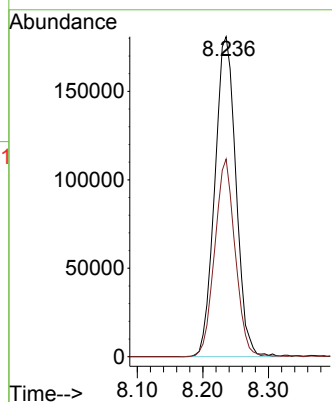
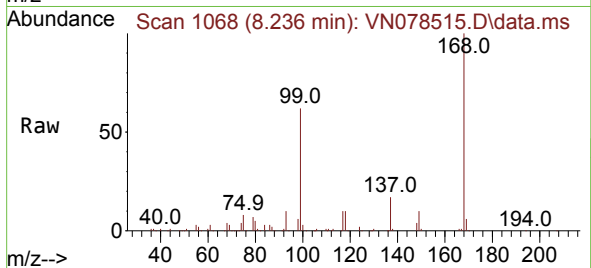
STORAGE-BLANK-WATER-REF-5

Tgt Ion:168 Resp: 404674

Ion Ratio Lower Upper

168 100

99 61.7 53.0 79.6



#3

Chloromethane

Concen: 0.542 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078515.D

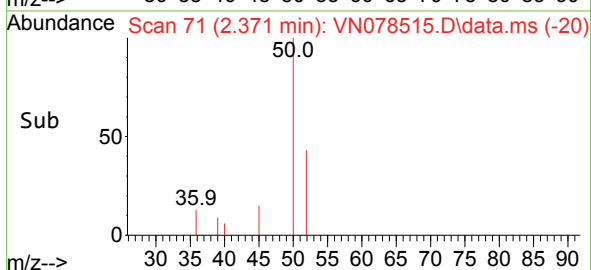
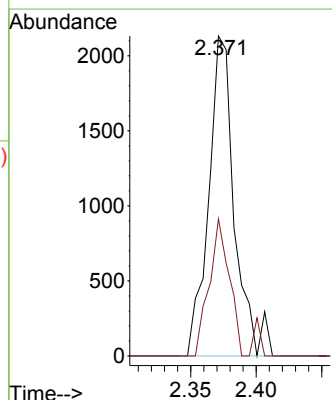
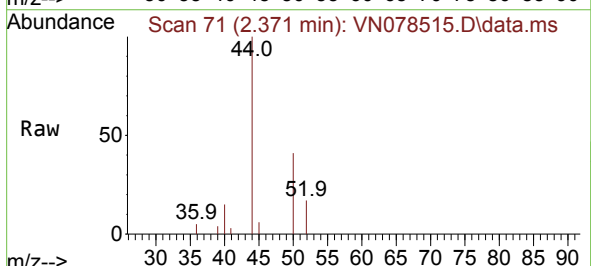
Acq: 14 Jul 2023 12:20

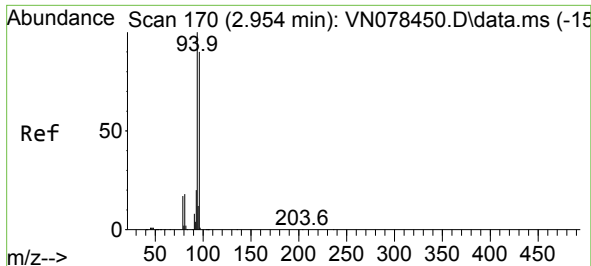
Tgt Ion: 50 Resp: 2923

Ion Ratio Lower Upper

50 100

52 42.9 26.5 39.7#

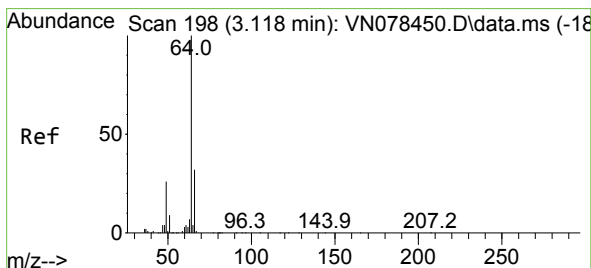
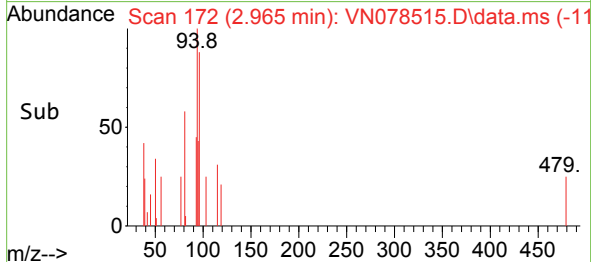
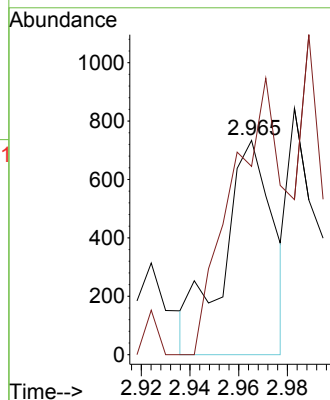
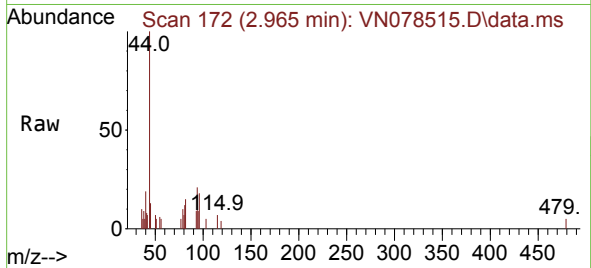




#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN078515.D
Acq: 14 Jul 2023 12:20

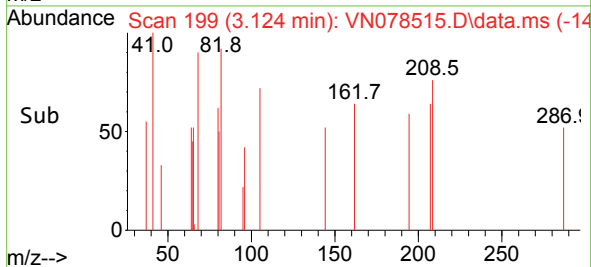
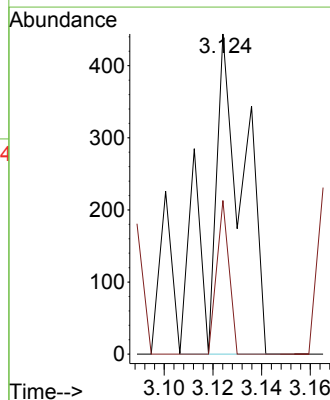
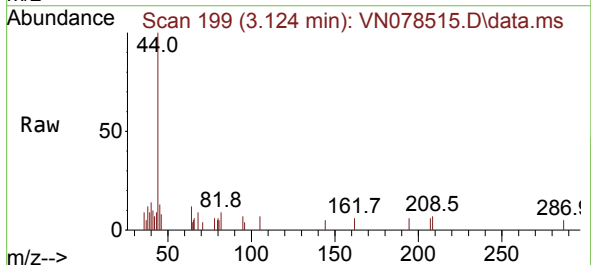
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

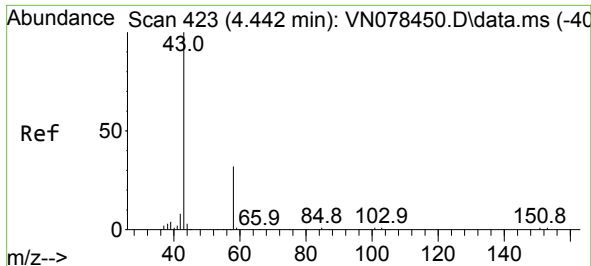
Tgt Ion: 94 Resp: 1032
Ion Ratio Lower Upper
94 100
96 110.4 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN078515.D
Acq: 14 Jul 2023 12:20

Tgt Ion: 64 Resp: 440
Ion Ratio Lower Upper
64 100
66 48.0 25.4 38.2#

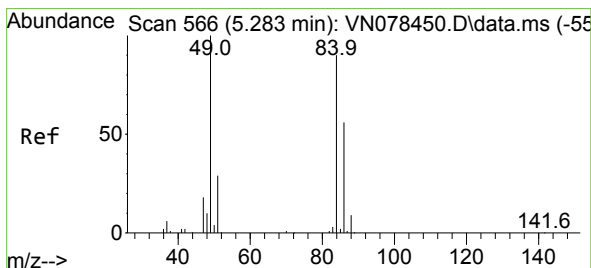
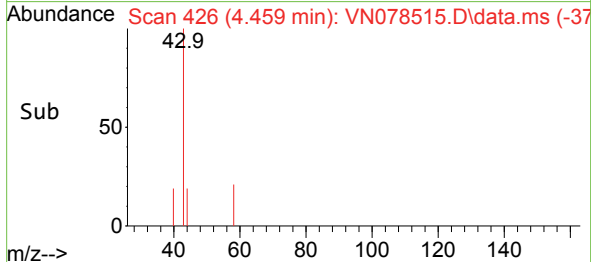
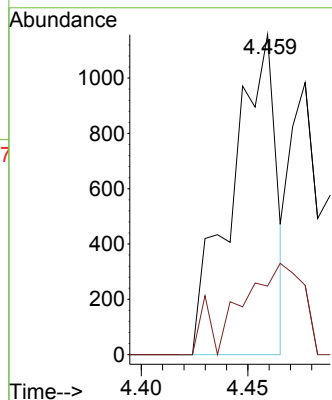
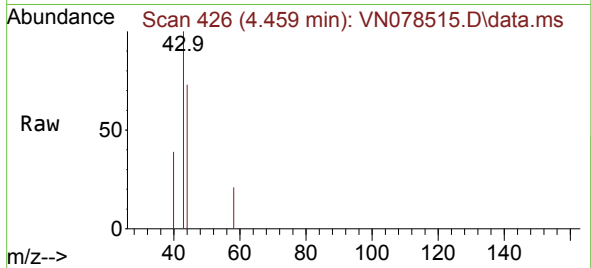




#16
Acetone
Concen: 0.993 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN078515.D
Acq: 14 Jul 2023 12:20

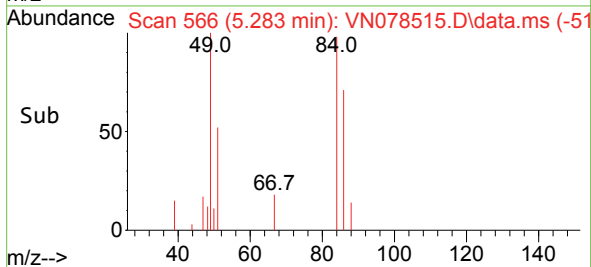
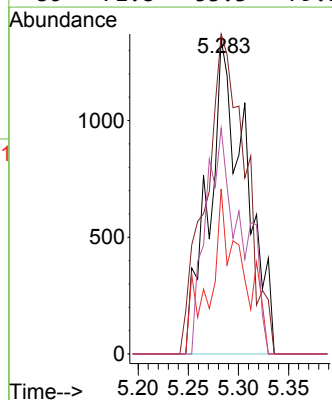
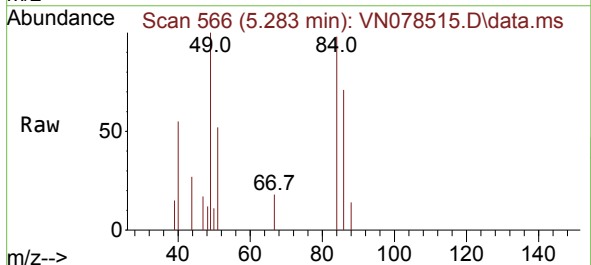
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

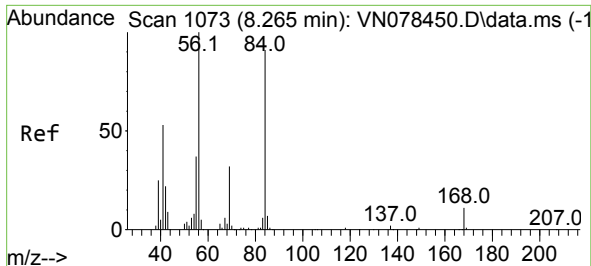
Tgt Ion: 43 Resp: 1678
Ion Ratio Lower Upper
43 100
58 21.4 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078515.D
Acq: 14 Jul 2023 12:20

Tgt Ion: 84 Resp: 3446
Ion Ratio Lower Upper
84 100
49 101.6 79.7 119.5
51 52.4 25.2 37.8#
86 71.8 53.3 79.9

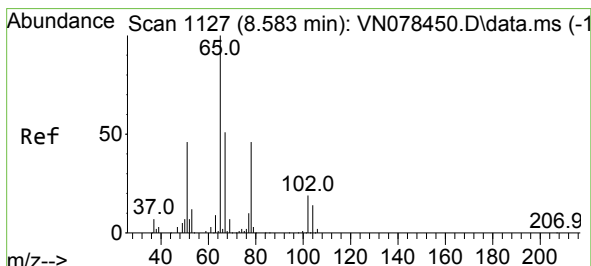
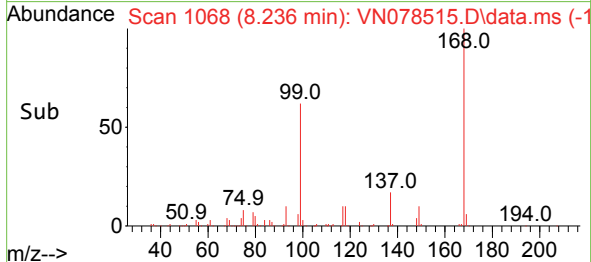
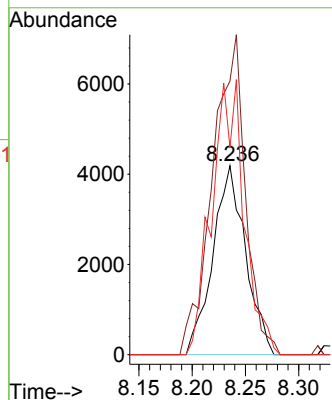
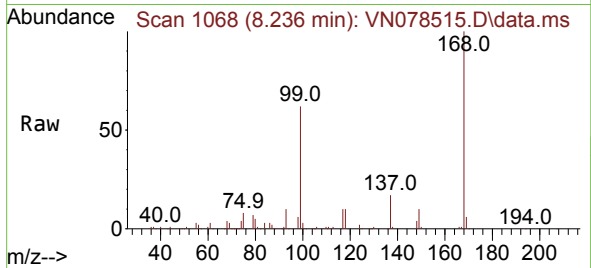




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078515.D
Acq: 14 Jul 2023 12:20

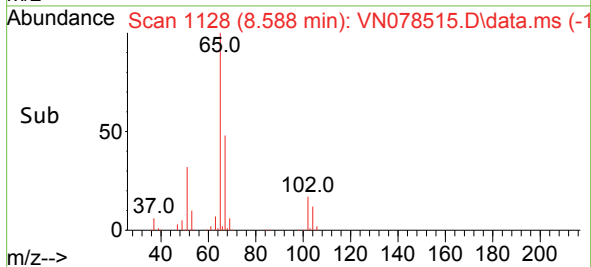
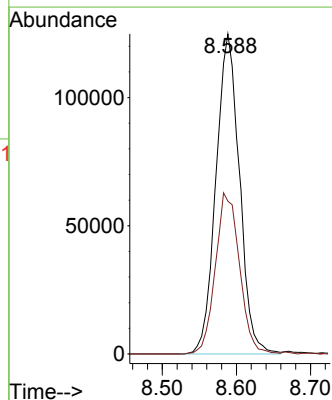
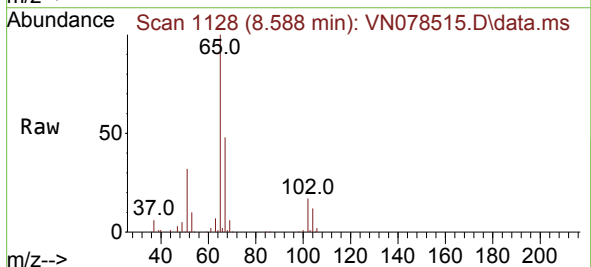
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

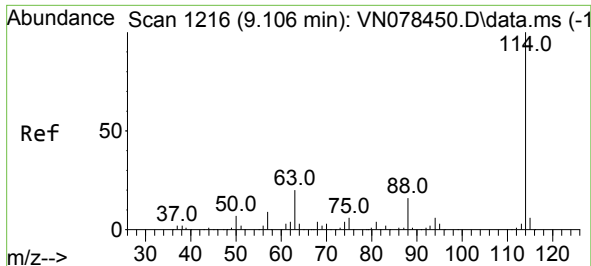
Tgt Ion: 56 Resp: 8933
Ion Ratio Lower Upper
56 100
69 144.8 26.8 40.2#
84 109.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 50.632 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078515.D
Acq: 14 Jul 2023 12:20

Tgt Ion: 65 Resp: 274682
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078515.D

Acq: 14 Jul 2023 12:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

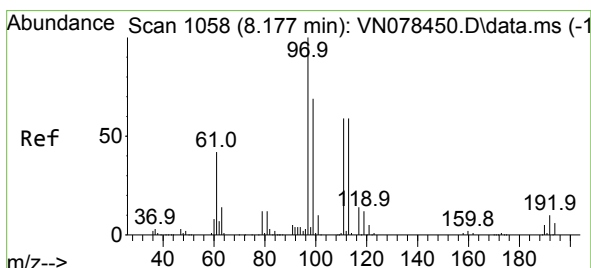
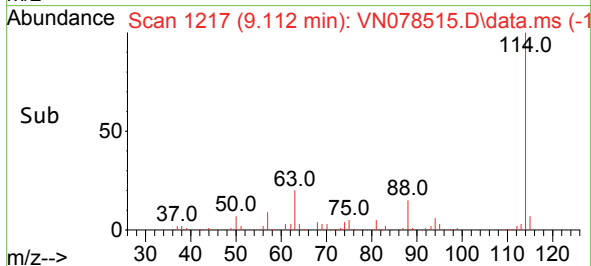
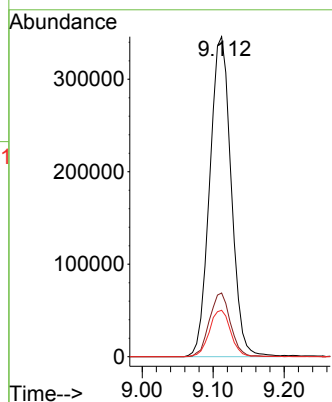
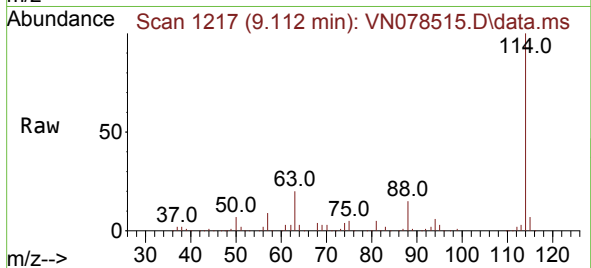
Tgt Ion:114 Resp: 724706

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.013 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078515.D

Acq: 14 Jul 2023 12:20

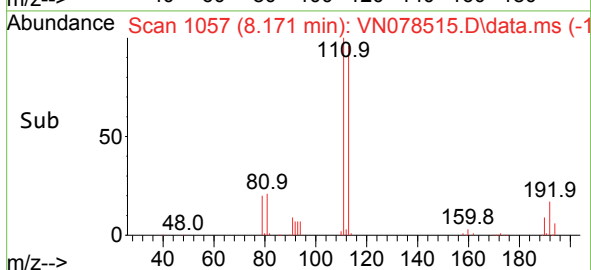
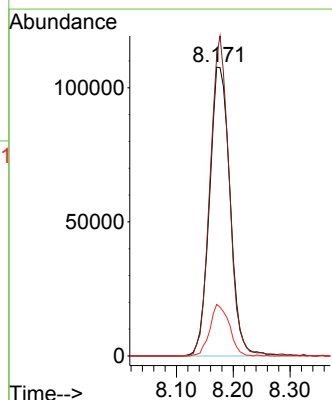
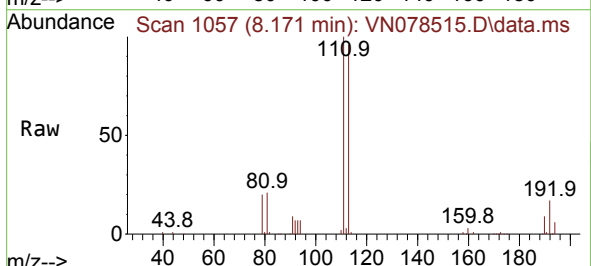
Tgt Ion:113 Resp: 270636

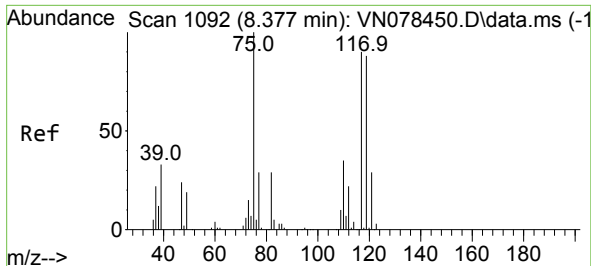
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 16.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.521 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078515.D

Acq: 14 Jul 2023 12:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

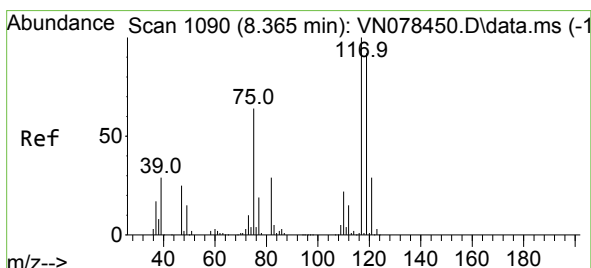
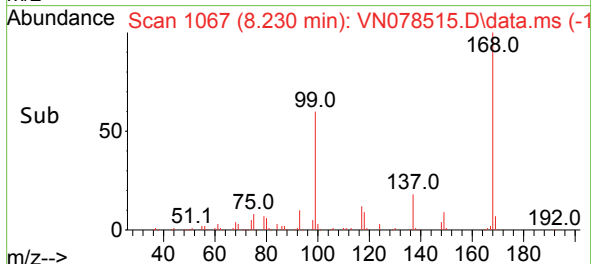
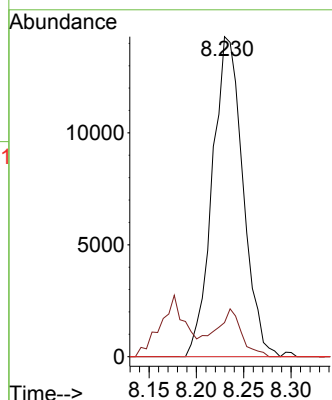
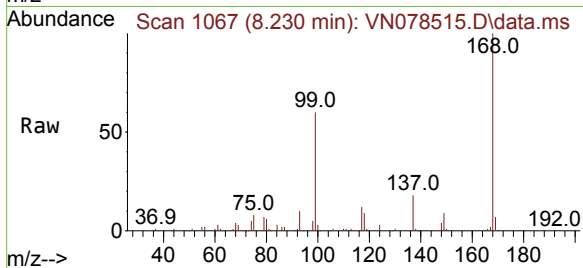
Tgt Ion: 75 Resp: 32117

Ion Ratio Lower Upper

75 100

110 11.3 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.584 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN078515.D

Acq: 14 Jul 2023 12:20

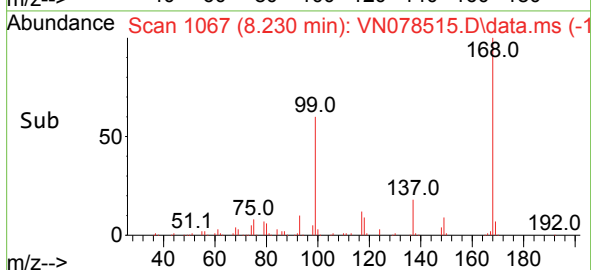
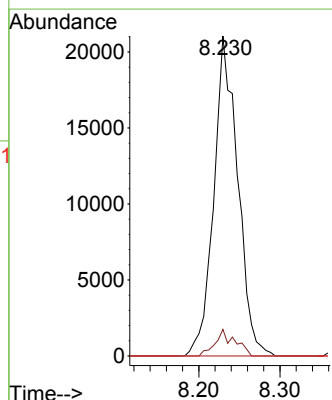
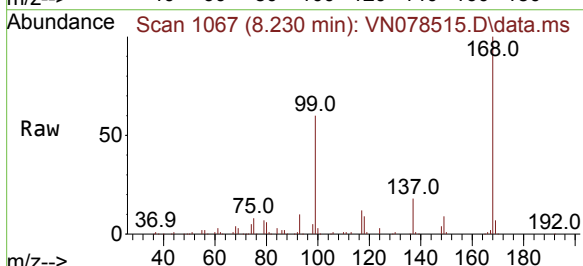
Tgt Ion: 117 Resp: 43106

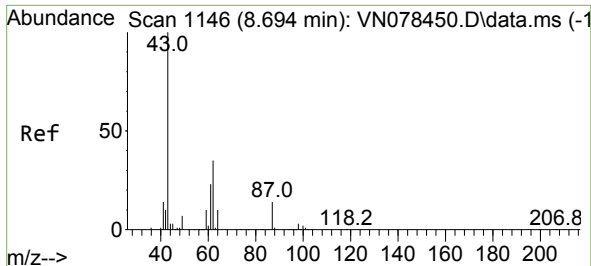
Ion Ratio Lower Upper

117 100

119 8.3 77.3 115.9#

121 0.0 23.3 34.9#

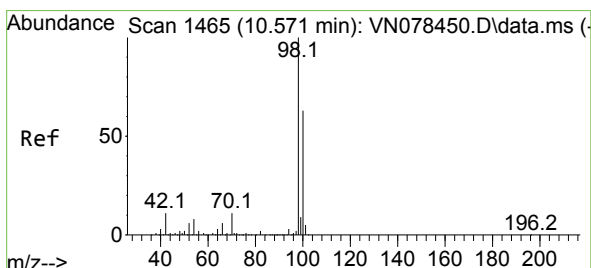
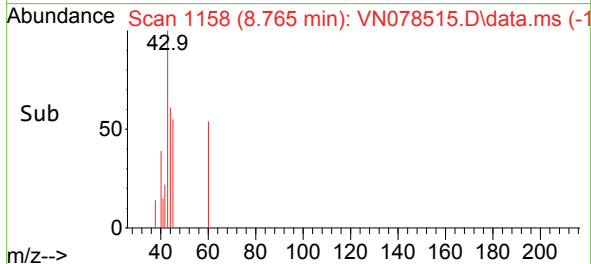
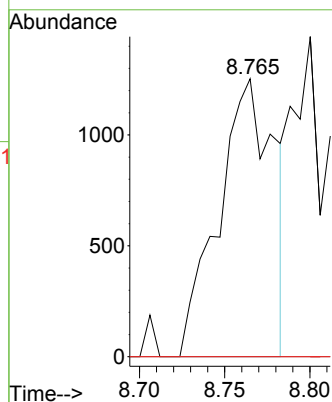
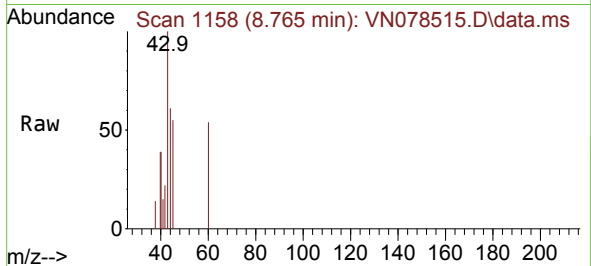




#43
Isopropyl Acetate
Concen: 0.290 ug/l
RT: 8.765 min Scan# 1158
Delta R.T. 0.071 min
Lab File: VN078515.D
Acq: 14 Jul 2023 12:20

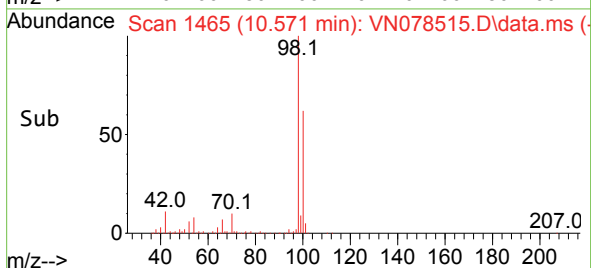
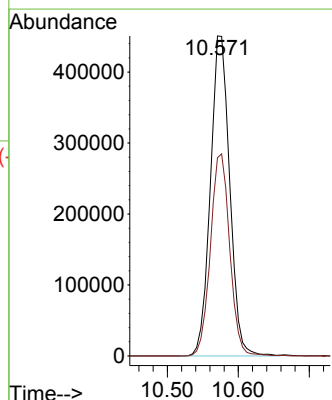
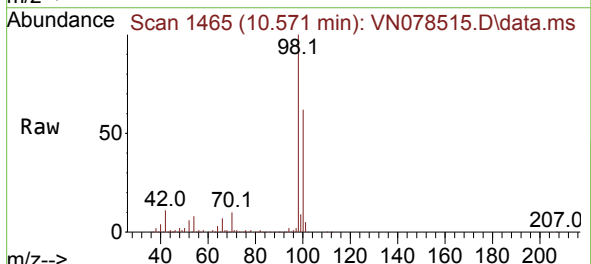
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

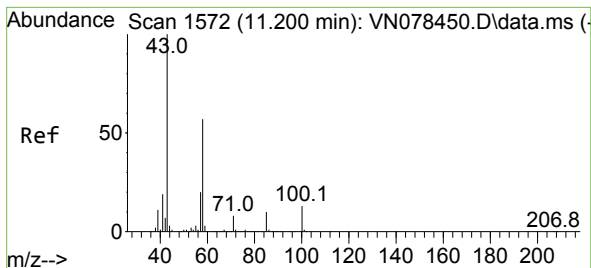
Tgt Ion: 43 Resp: 2832
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 45.804 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078515.D
Acq: 14 Jul 2023 12:20

Tgt Ion: 98 Resp: 851237
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

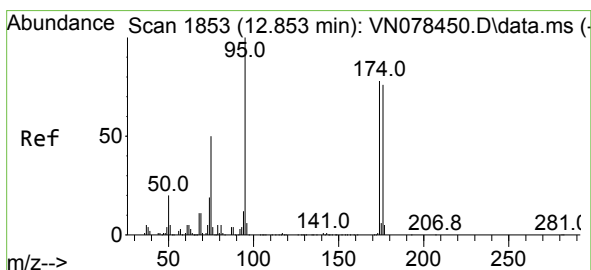
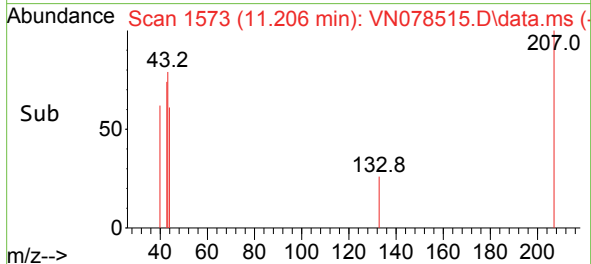
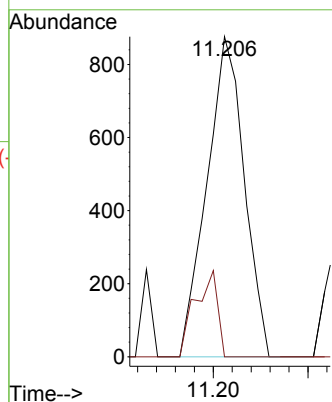
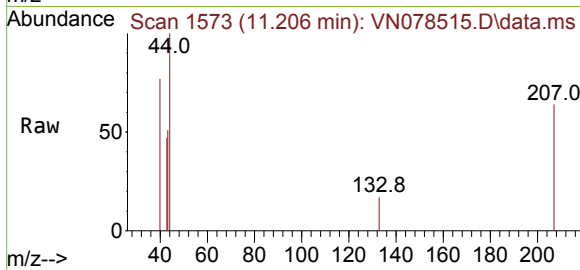




#59
2-Hexanone
Concen: 0.291 ug/l
RT: 11.206 min Scan# 1199
Delta R.T. 0.006 min
Lab File: VN078515.D
Acq: 14 Jul 2023 12:20

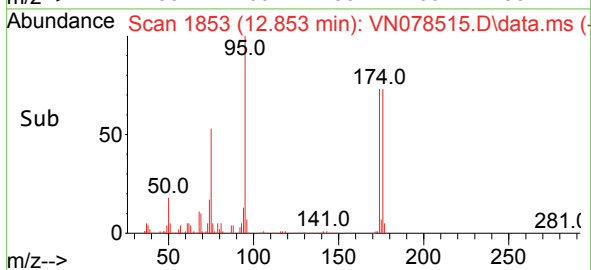
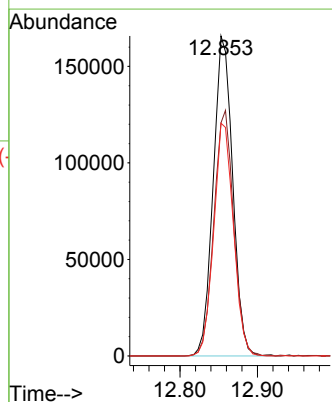
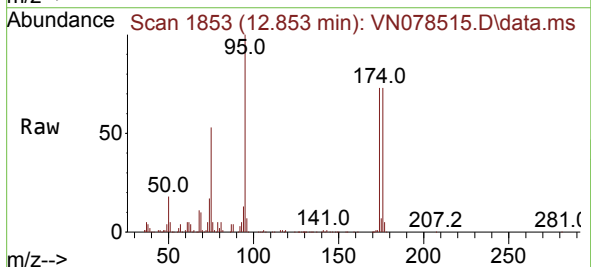
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

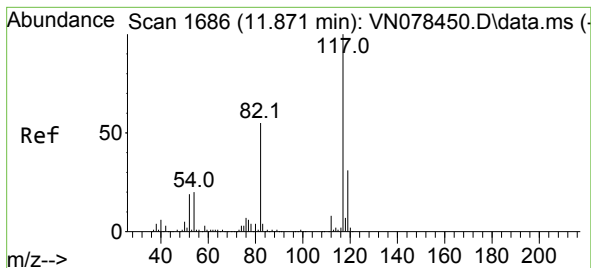
Tgt Ion: 43 Resp: 1199
Ion Ratio Lower Upper
43 100
58 16.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.383 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078515.D
Acq: 14 Jul 2023 12:20

Tgt Ion: 95 Resp: 288415
Ion Ratio Lower Upper
95 100
174 78.3 0.0 143.8
176 73.8 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078515.D

Acq: 14 Jul 2023 12:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

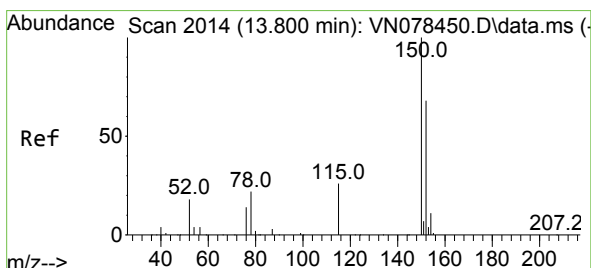
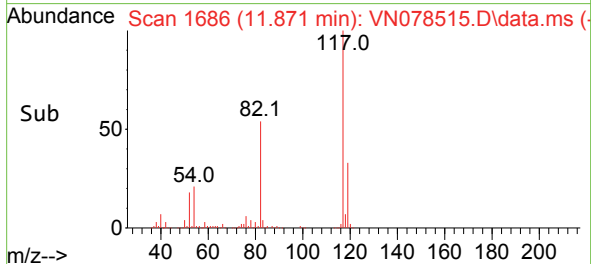
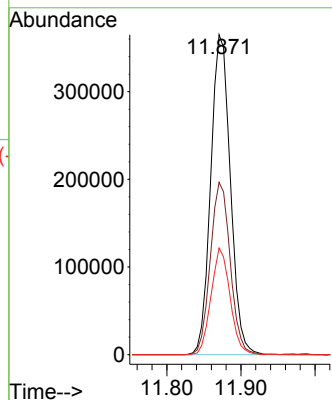
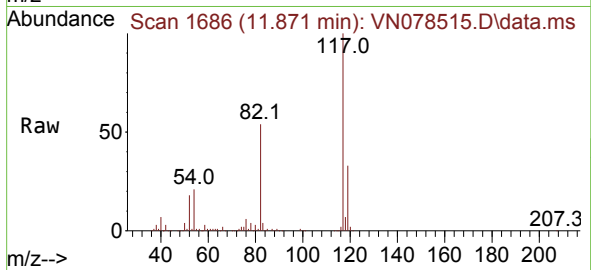
Tgt Ion:117 Resp: 672137

Ion Ratio Lower Upper

117 100

82 53.9 44.0 66.0

119 33.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078515.D

Acq: 14 Jul 2023 12:20

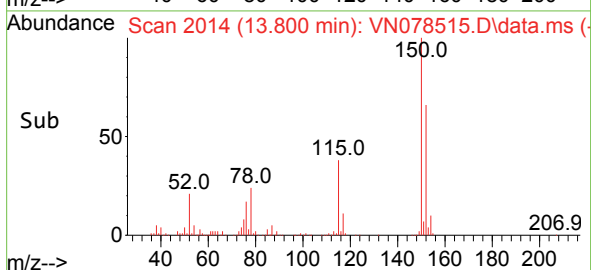
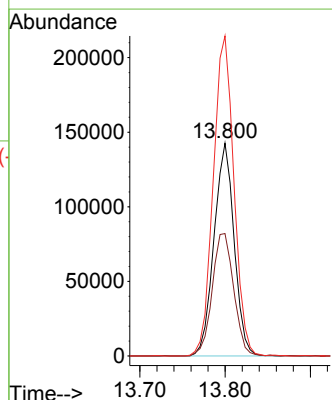
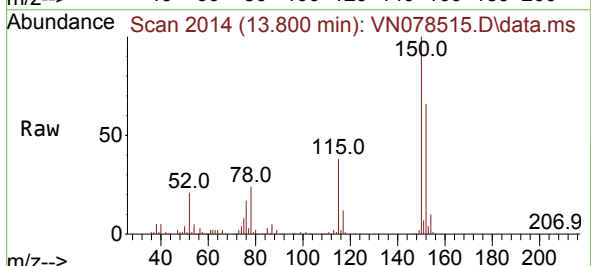
Tgt Ion:152 Resp: 234193

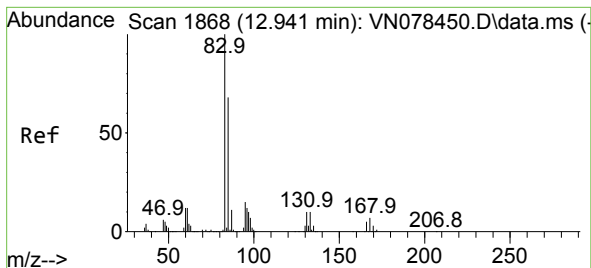
Ion Ratio Lower Upper

152 100

115 61.5 32.3 96.8

150 154.3 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.947 min Scan# 1869

Delta R.T. 0.006 min

Lab File: VN078515.D

Acq: 14 Jul 2023 12:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

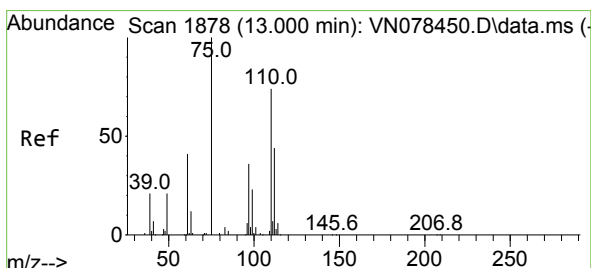
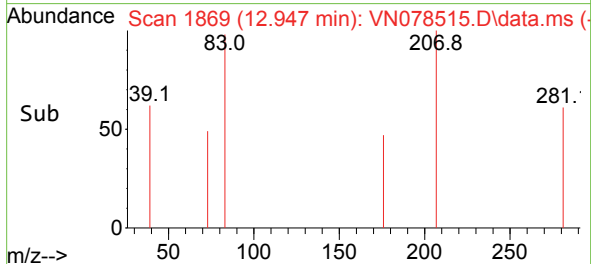
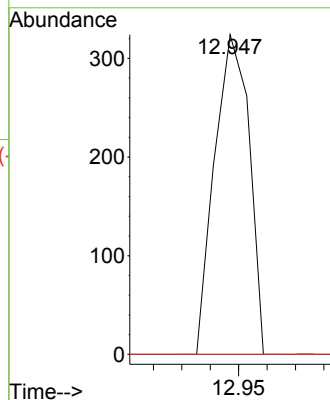
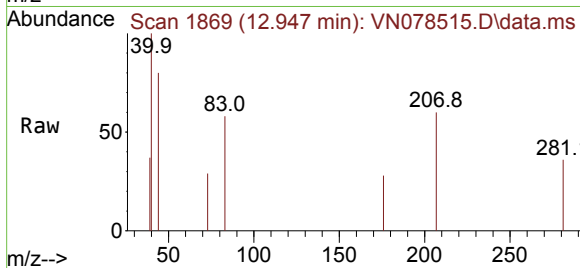
Tgt Ion: 83 Resp: 274

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 27.137 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078515.D

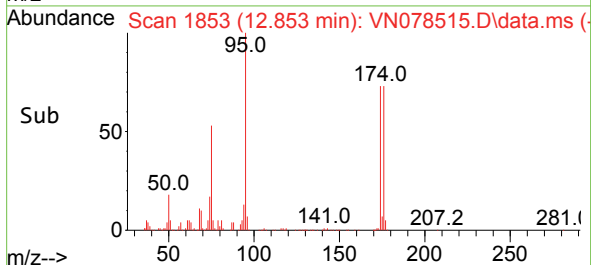
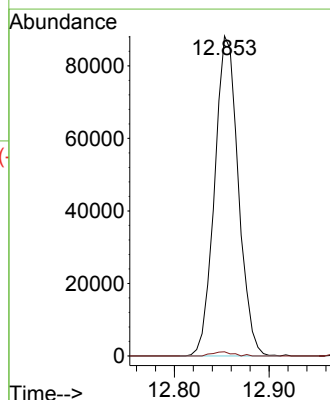
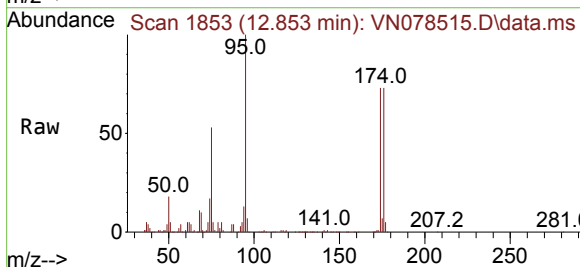
Acq: 14 Jul 2023 12:20

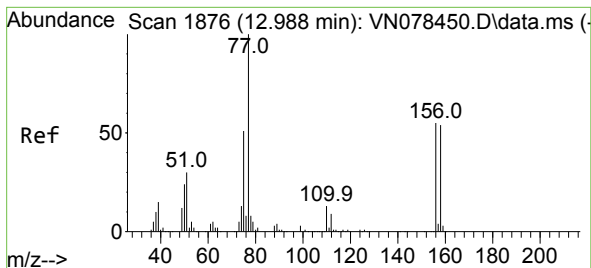
Tgt Ion: 75 Resp: 153613

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#





#77

Bromobenzene

Concen: Below Cal

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN078515.D

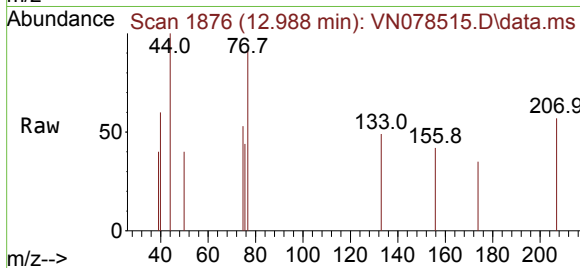
Acq: 14 Jul 2023 12:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5



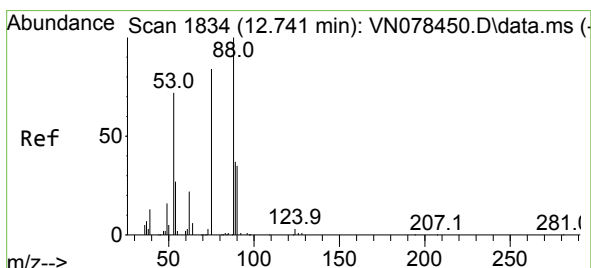
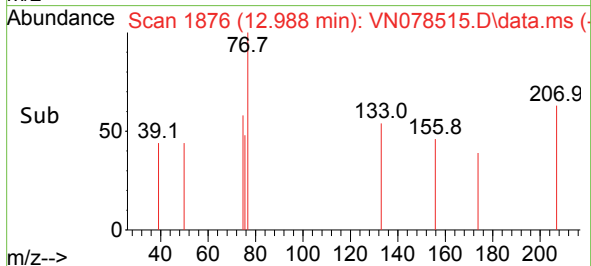
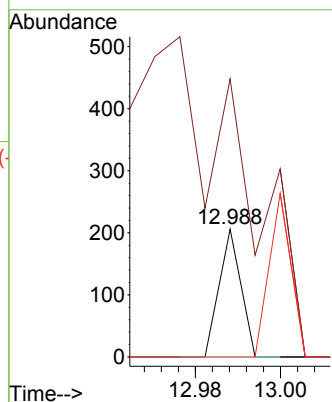
Tgt Ion:156 Resp: 73

Ion Ratio Lower Upper

156 100

77 0.0 107.7 323.3#

158 127.4 48.4 145.3



#81

trans-1,4-Dichloro-2-butene

Concen: 71.310 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078515.D

Acq: 14 Jul 2023 12:20

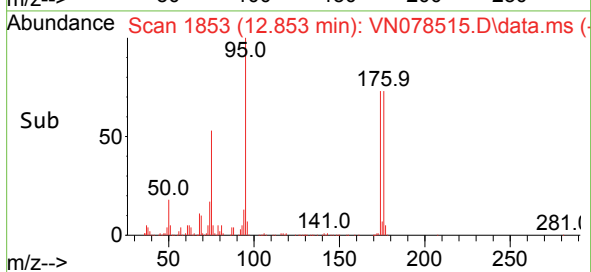
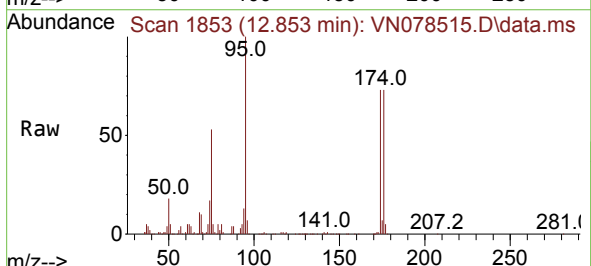
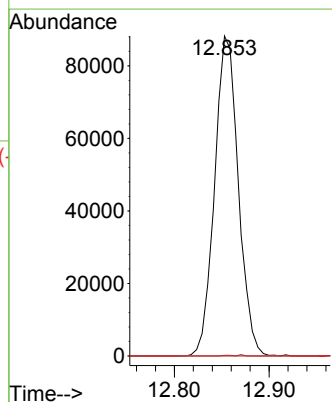
Tgt Ion: 75 Resp: 153613

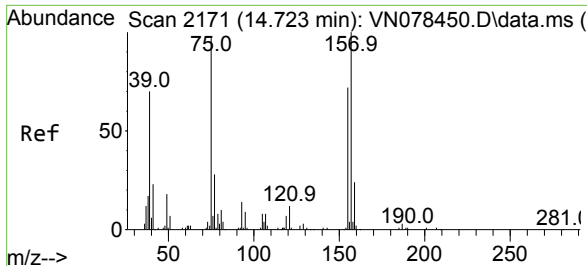
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.653 min Scan# 2171

Delta R.T. -0.070 min

Lab File: VN078515.D

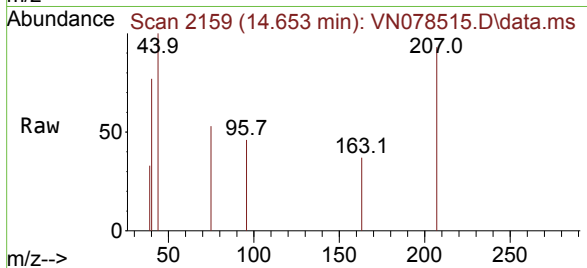
Acq: 14 Jul 2023 12:20

Instrument :

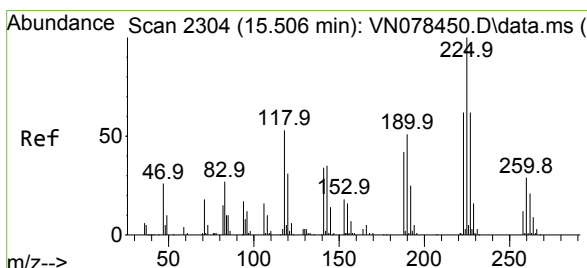
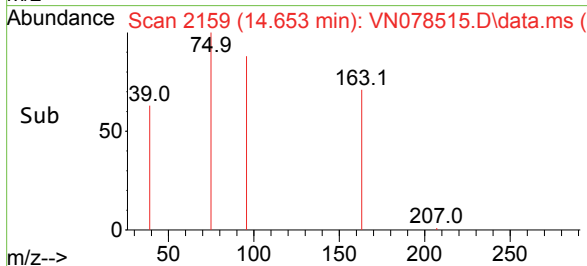
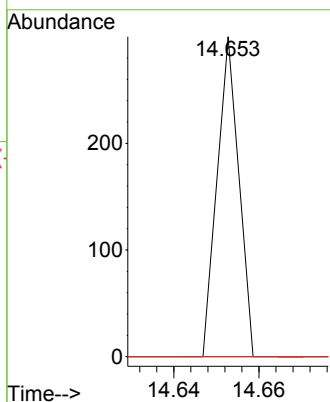
MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5



Tgt Ion: 75	Resp:	106
Ion Ratio	Lower	Upper
75	100	
155	0.0	39.1 117.2#
157	0.0	50.3 150.9#



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.500 min Scan# 2303

Delta R.T. -0.006 min

Lab File: VN078515.D

Acq: 14 Jul 2023 12:20

Tgt Ion: 225	Resp:	237
Ion Ratio	Lower	Upper
225	100	
223	0.0	31.3 93.8#
227	0.0	31.9 95.9#

