

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072123\
 Data File : VN078619.D
 Acq On : 21 Jul 2023 17:25
 Operator : JC\MD
 Sample : 03704-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jul 21 23:27:21 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)

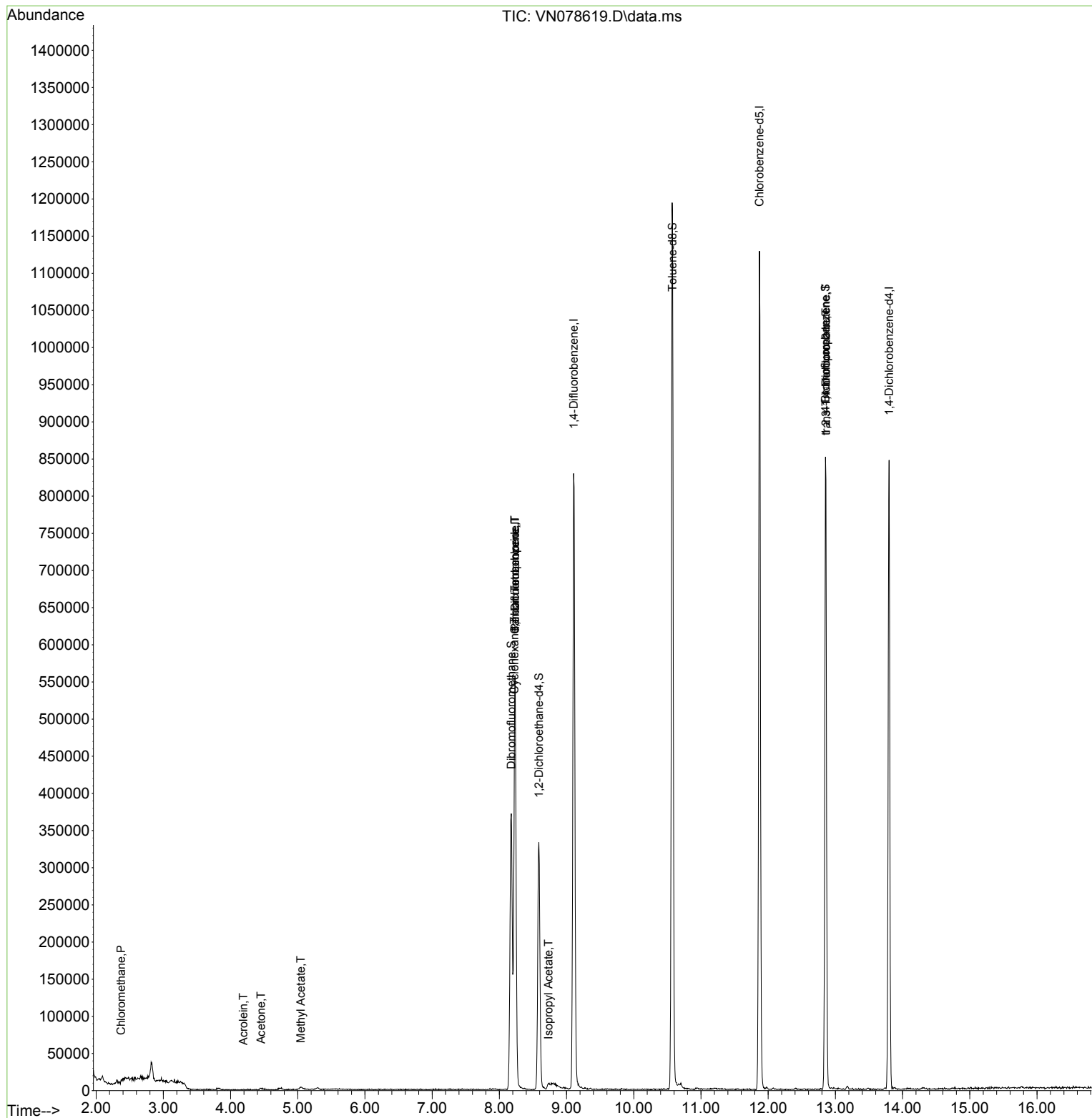
Internal Standards						
1) Pentafluorobenzene	8.236	168	406301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	748472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	682023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	229044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	274728	50.438	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.880%		
35) Dibromofluoromethane	8.177	113	276817	54.482	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 108.960%		
50) Toluene-d8	10.577	98	877330	45.709	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 91.420%		
62) 4-Bromofluorobenzene	12.853	95	291903	49.373	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 98.740%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	3202	0.591	ug/l	89
5) Bromomethane	2.977	94	2511	Below Cal		87
6) Chloroethane	3.112	64	920	Below Cal	#	43
13) Acrolein	4.189	56	238	0.288	ug/l #	16
16) Acetone	4.453	43	2854	1.682	ug/l #	73
18) Methyl Acetate	5.048	43	7057	0.983	ug/l #	55
20) Methylene Chloride	5.295	84	1803	Below Cal	#	51
31) Cyclohexane	8.224	56	9584	1.302	ug/l #	58
36) 1,1-Dichloropropene	8.236	75	33888	4.619	ug/l #	49
38) Carbon Tetrachloride	8.230	117	43998	5.518	ug/l #	15
43) Isopropyl Acetate	8.730	43	6160	0.612	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.941	83	136	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.859	75	156776	28.318	ug/l #	1
77) Bromobenzene	12.871	156	191	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.859	75	156776	74.414	ug/l #	15
90) Hexachloroethane	14.335	117	128	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.812	75	86	Below Cal	#	4
94) Hexachlorobutadiene	15.512	225	152	Below Cal	#	19

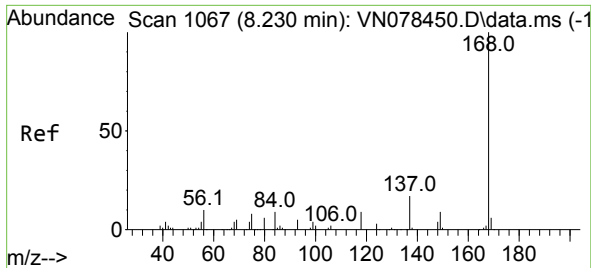
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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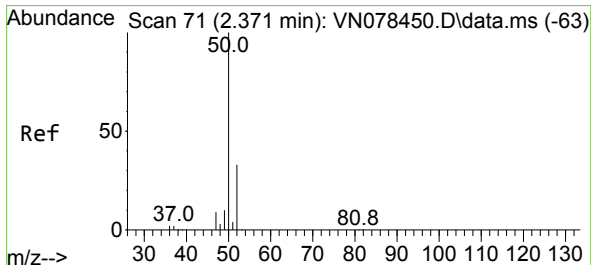
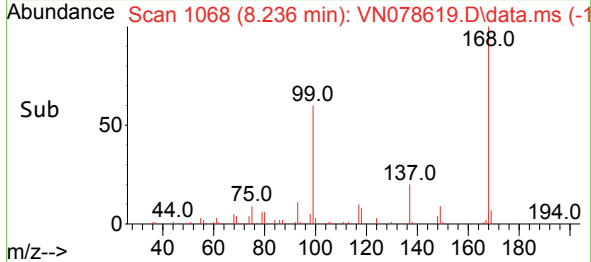
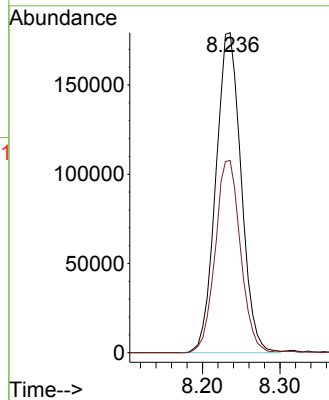
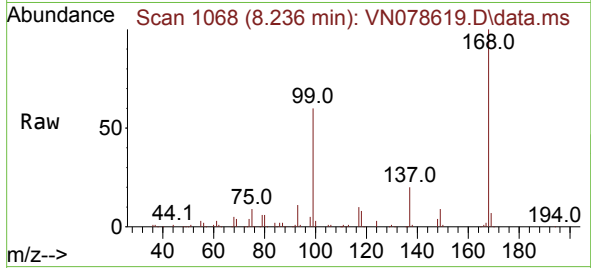




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

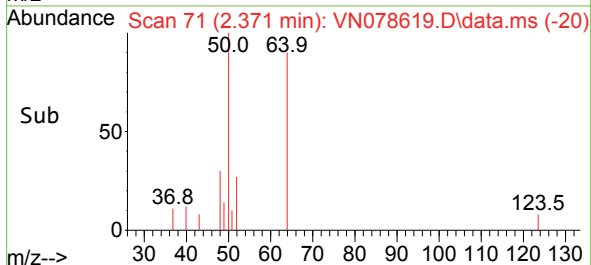
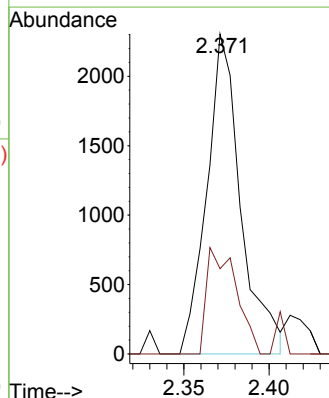
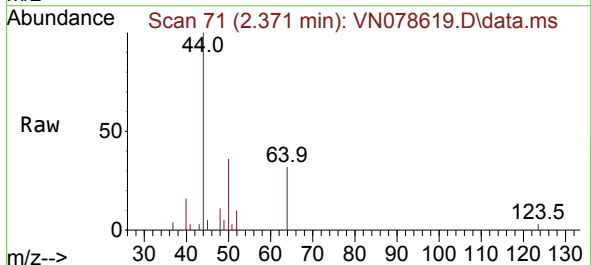
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

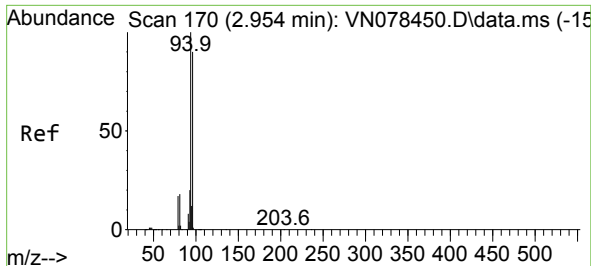
Tgt Ion:168 Resp: 406301
Ion Ratio Lower Upper
168 100
99 60.1 53.0 79.6



#3
Chloromethane
Concen: 0.591 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

Tgt Ion: 50 Resp: 3202
Ion Ratio Lower Upper
50 100
52 26.6 26.5 39.7

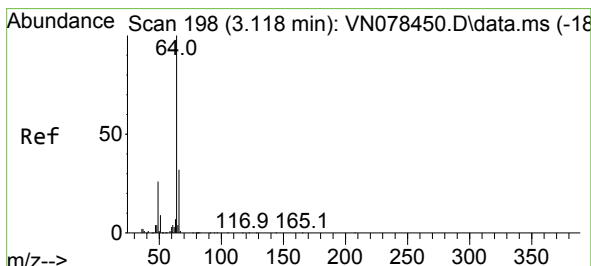
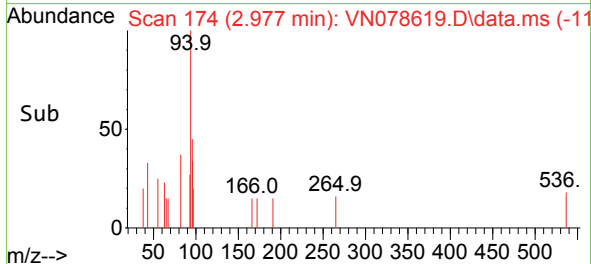
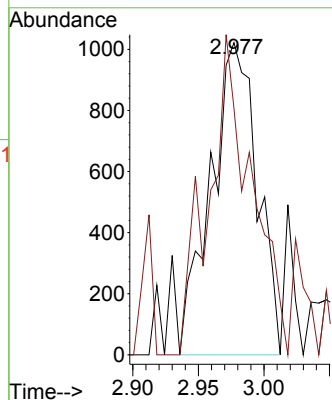
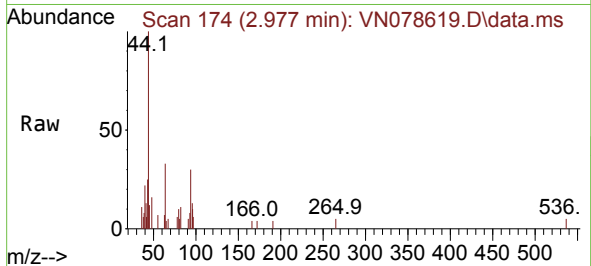




#5
Bromomethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

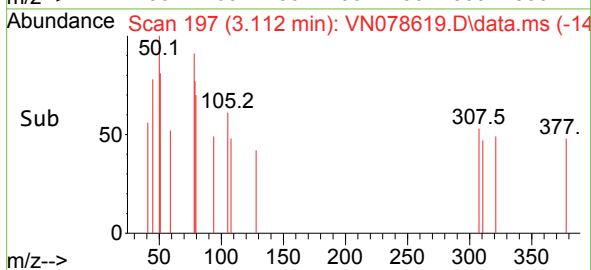
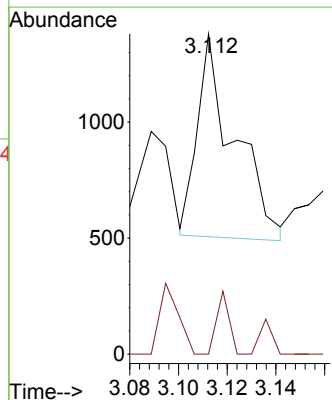
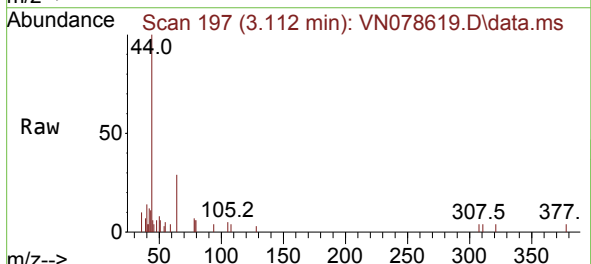
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

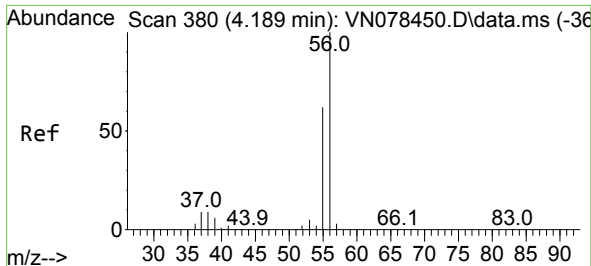
Tgt Ion: 94 Resp: 2511
Ion Ratio Lower Upper
94 100
96 79.0 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

Tgt Ion: 64 Resp: 920
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

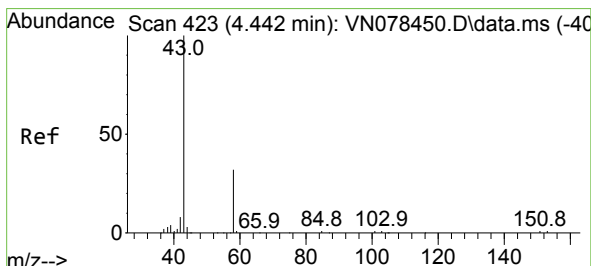
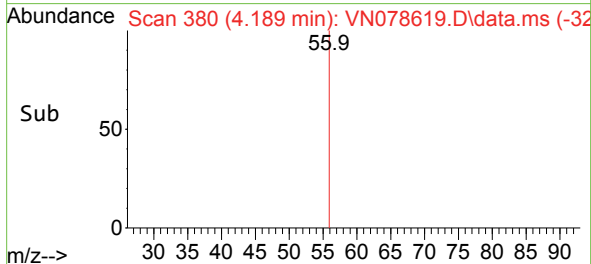
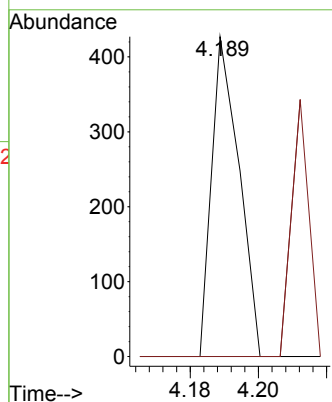
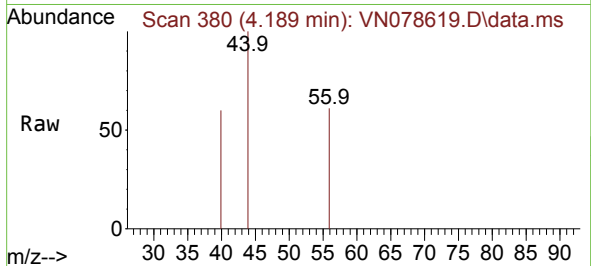




#13
Acrolein
Concen: 0.288 ug/l
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

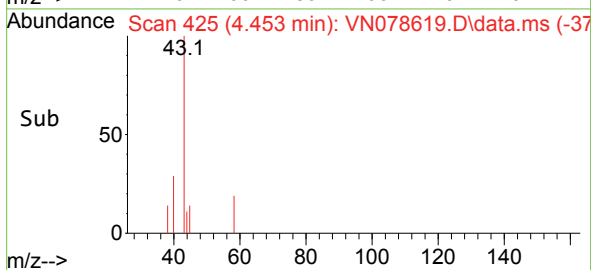
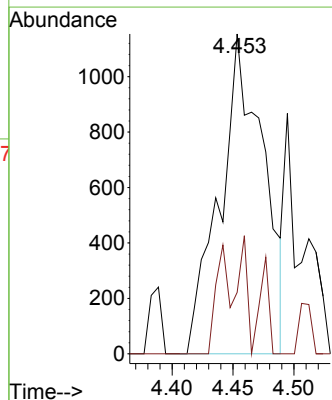
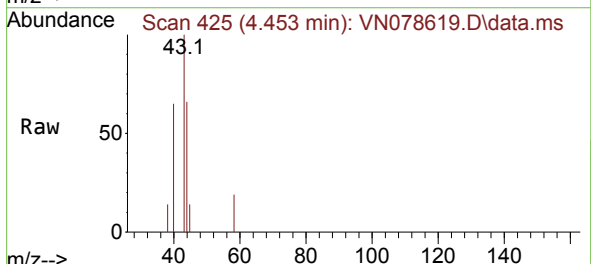
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

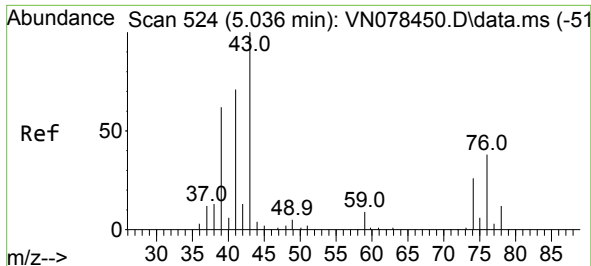
Tgt Ion: 56 Resp: 238
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 1.682 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

Tgt Ion: 43 Resp: 2854
Ion Ratio Lower Upper
43 100
58 19.2 28.0 42.0#

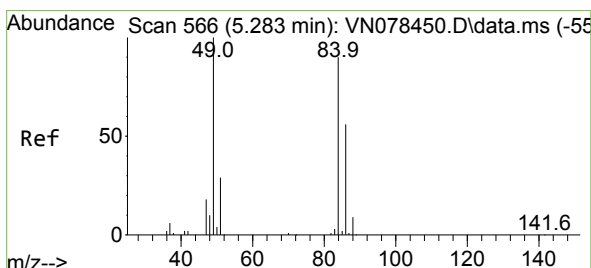
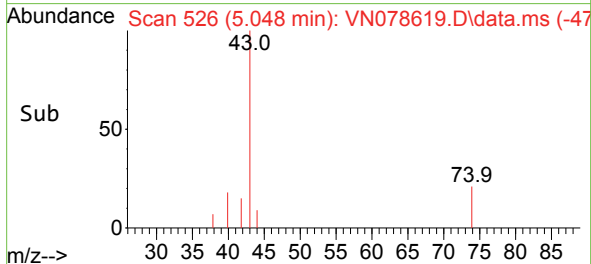
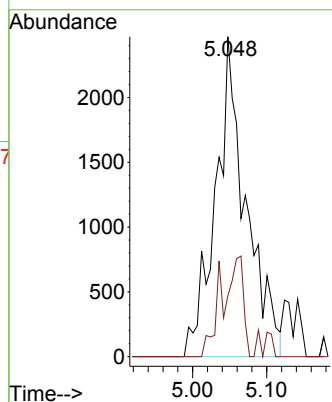
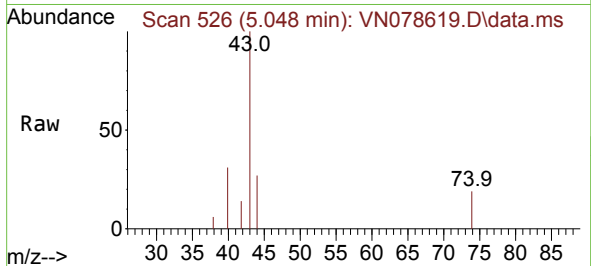




#18
Methyl Acetate
Concen: 0.983 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

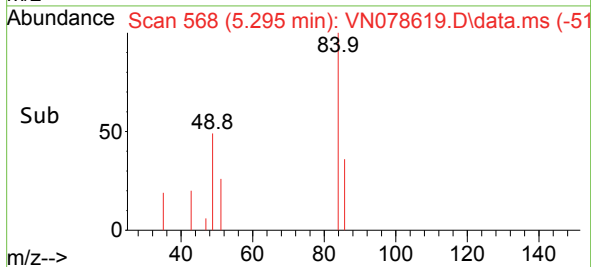
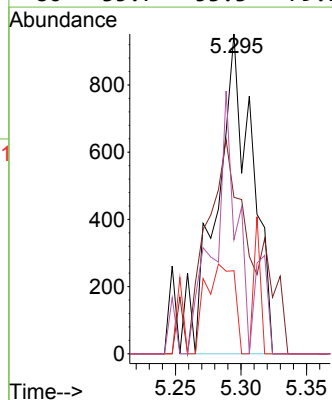
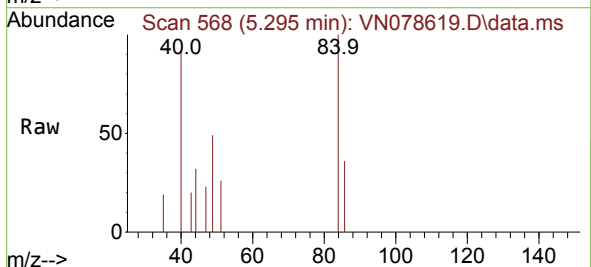
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

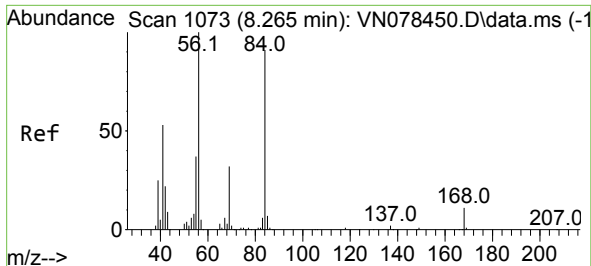
Tgt Ion: 43 Resp: 7057
Ion Ratio Lower Upper
43 100
74 7.6 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 568
Delta R.T. 0.012 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

Tgt Ion: 84 Resp: 1803
Ion Ratio Lower Upper
84 100
49 31.2 79.7 119.5#
51 25.9 25.2 37.8
86 35.7 53.3 79.9#

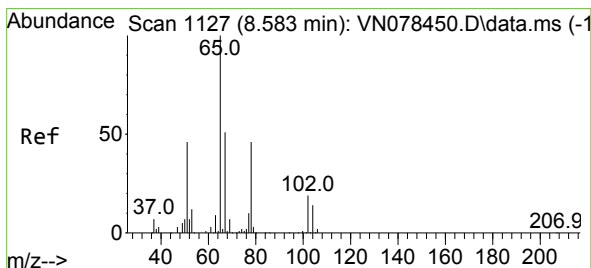
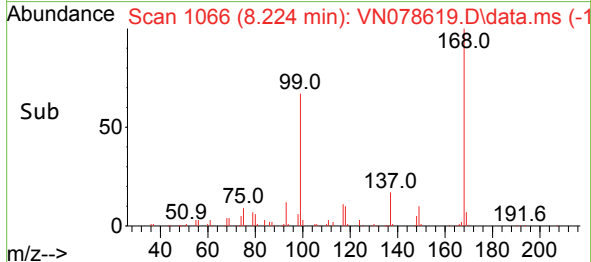
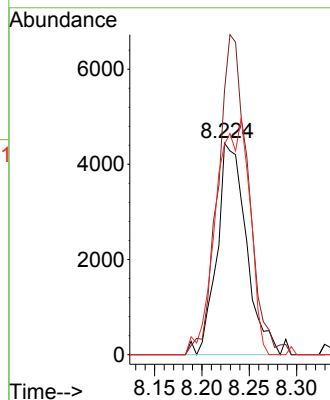
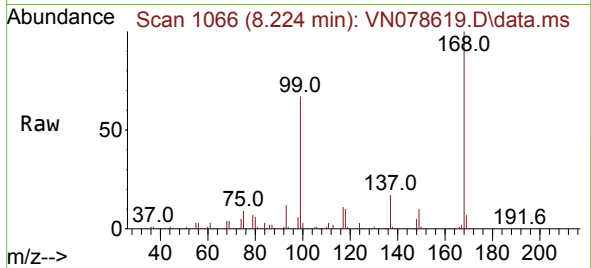




#31
Cyclohexane
Concen: 1.302 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

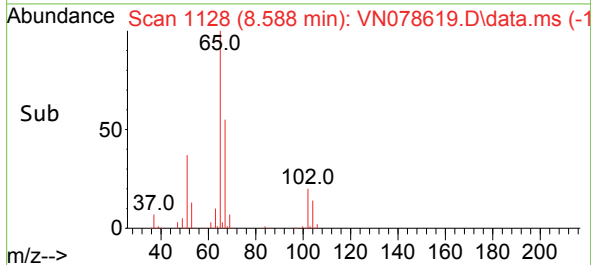
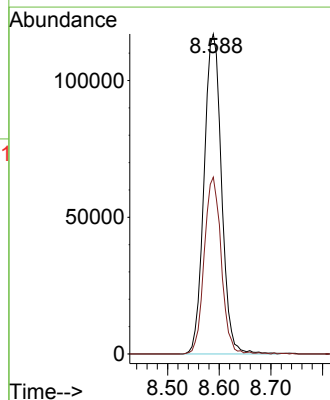
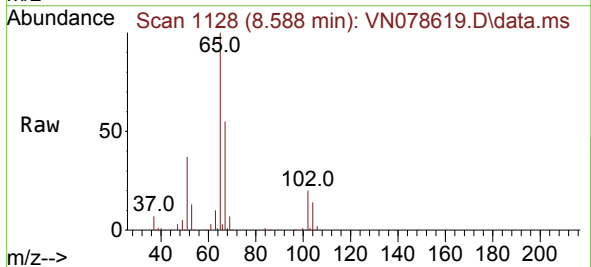
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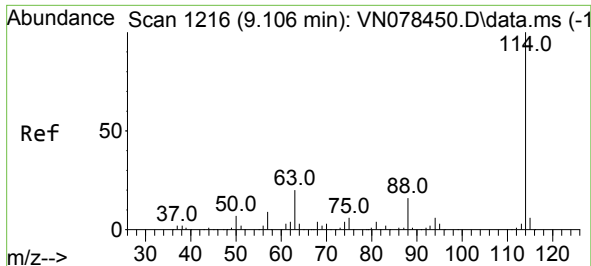
Tgt Ion: 56 Resp: 9584
Ion Ratio Lower Upper
56 100
69 125.0 26.8 40.2#
84 99.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 50.438 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

Tgt Ion: 65 Resp: 274728
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.6

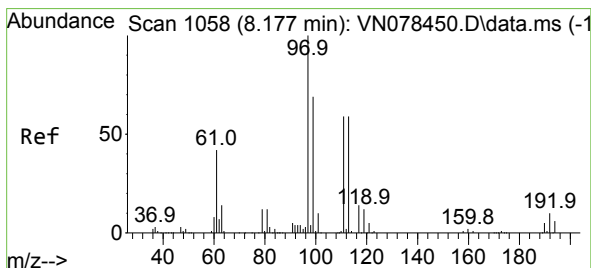
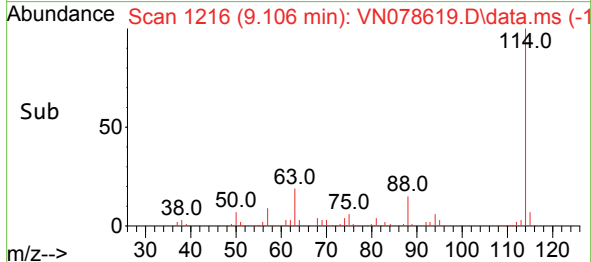
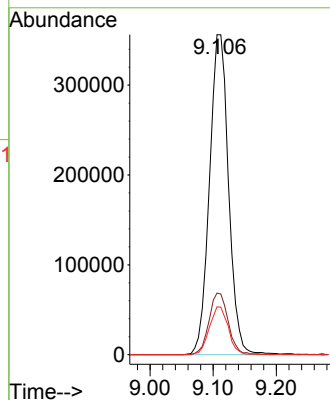
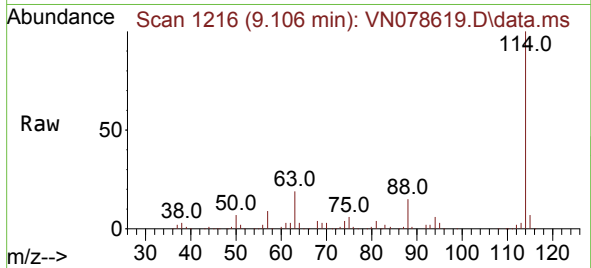




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

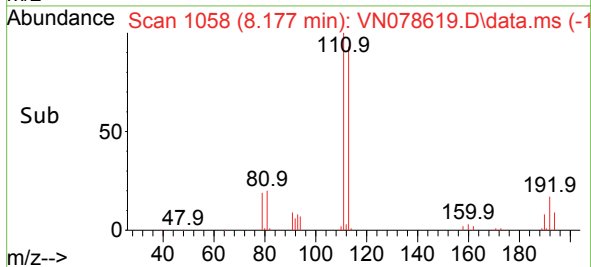
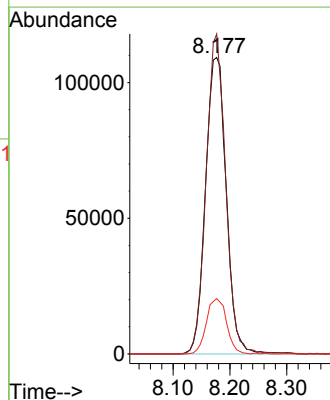
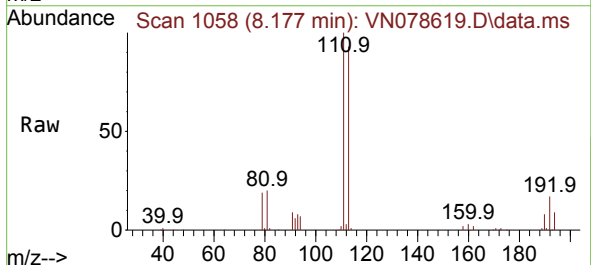
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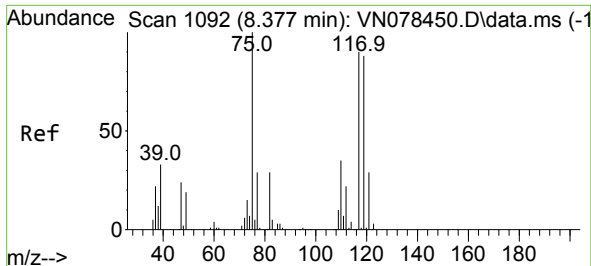
Tgt Ion:114 Resp: 748472
Ion Ratio Lower Upper
114 100
63 19.2 0.0 36.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.482 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

Tgt Ion:113 Resp: 276817
Ion Ratio Lower Upper
113 100
111 101.6 82.6 123.8
192 18.1 12.7 19.1

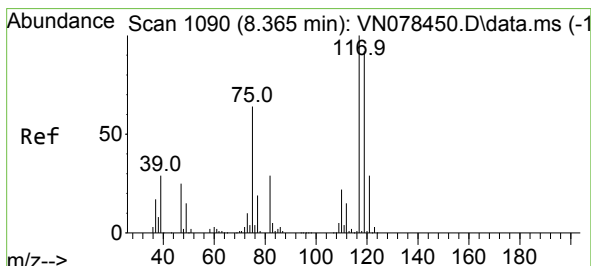
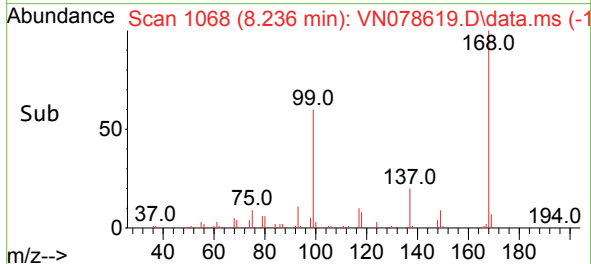
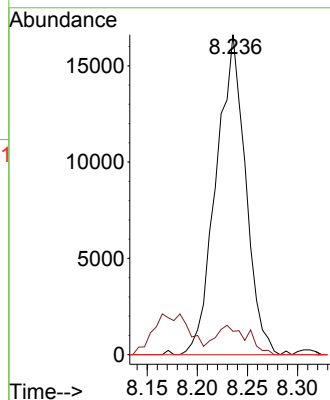
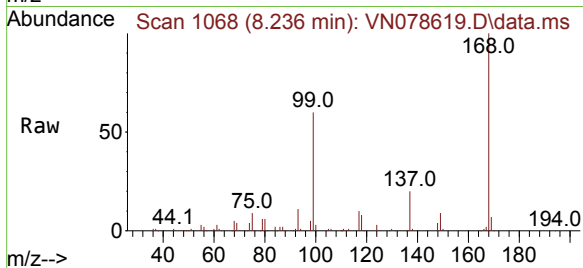




#36
1,1-Dichloropropene
Concen: 4.619 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

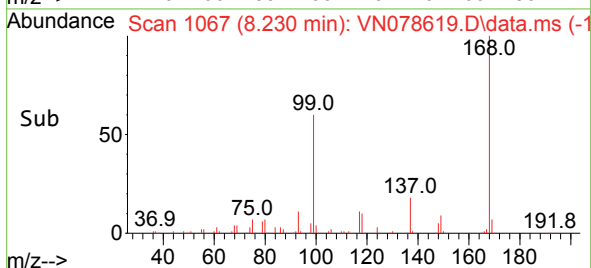
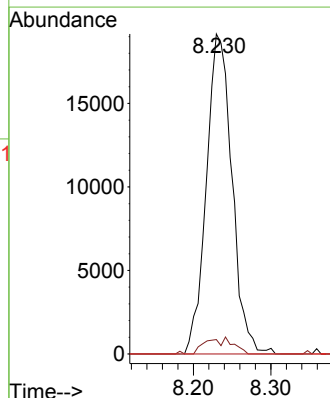
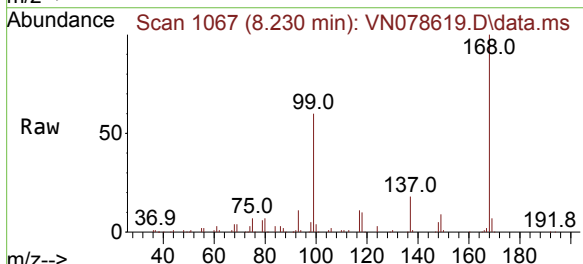
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-WATER-REF-4

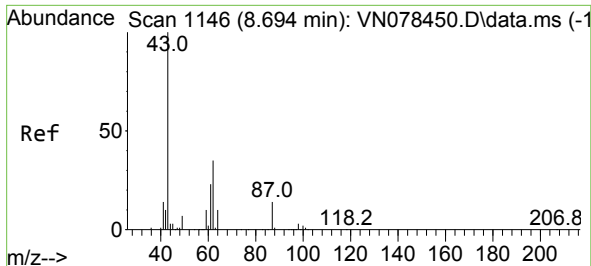
Tgt Ion: 75 Resp: 33888
Ion Ratio Lower Upper
75 100
110 10.2 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.518 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

Tgt Ion: 117 Resp: 43998
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#

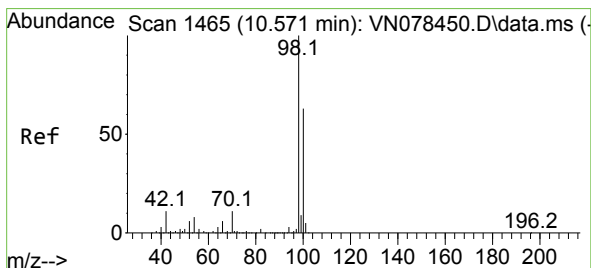
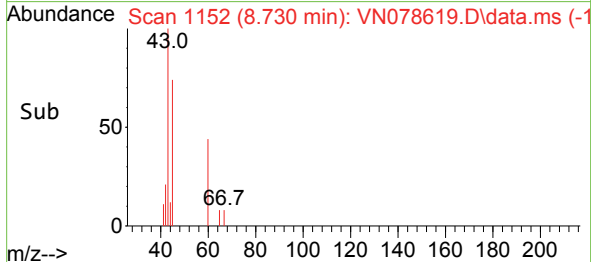
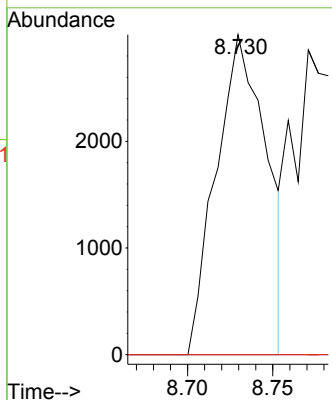
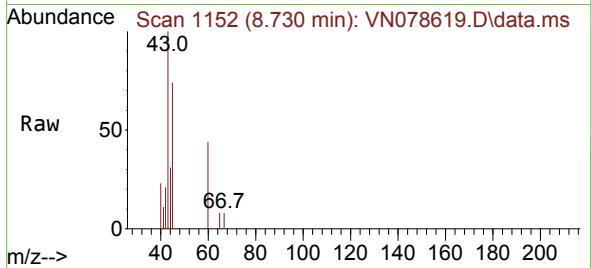




#43
Isopropyl Acetate
Concen: 0.612 ug/l
RT: 8.730 min Scan# 1146
Delta R.T. 0.036 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

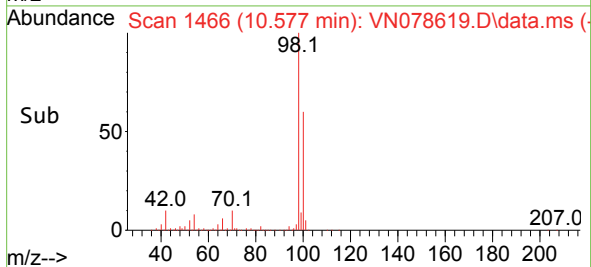
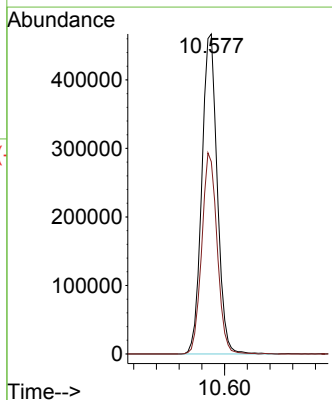
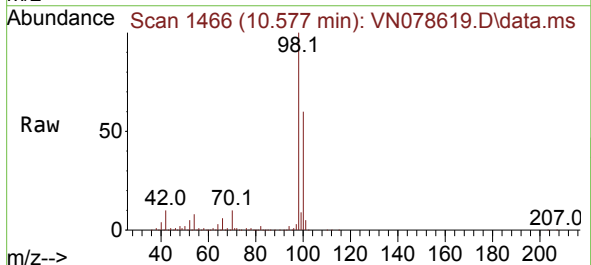
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

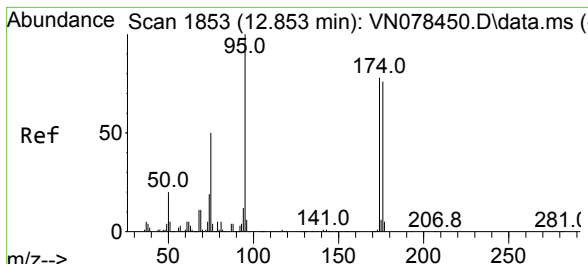
Tgt Ion: 43 Resp: 6160
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 45.709 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

Tgt Ion: 98 Resp: 877330
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0

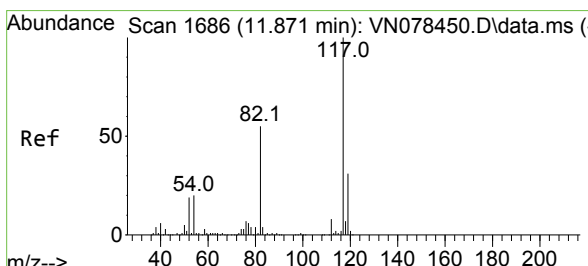
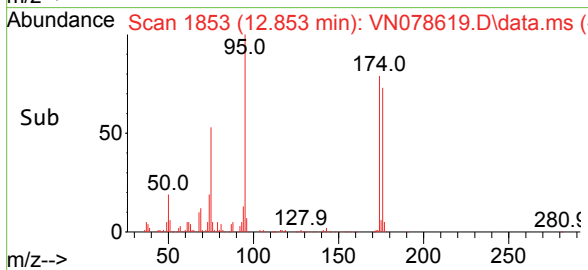
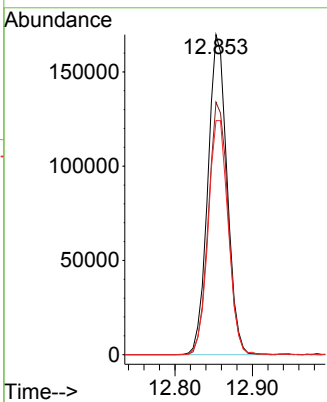
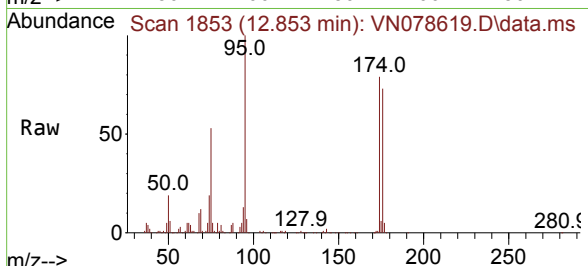




#62
 4-Bromofluorobenzene
 Concen: 49.373 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078619.D
 Acq: 21 Jul 2023 17:25

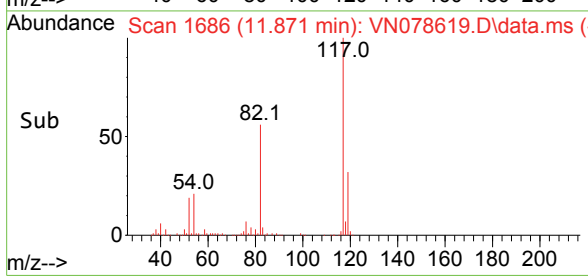
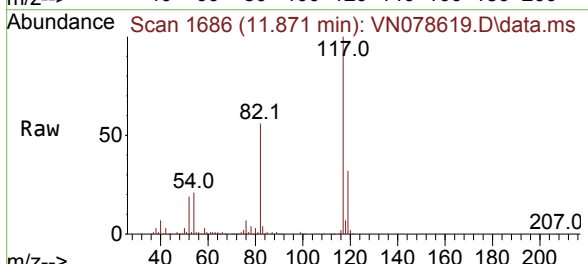
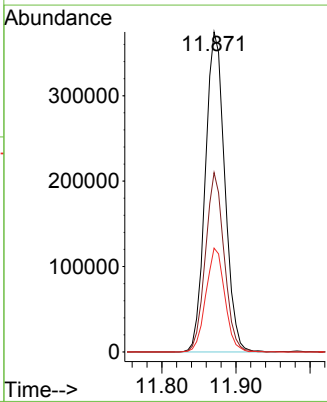
Instrument : MSVOA_N
 ClientSampleId : STORAGE-BLANK-WATER-REF-4

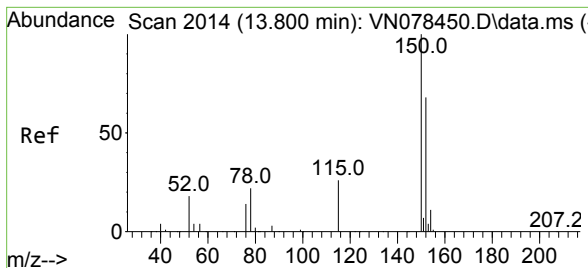
Tgt Ion:	95	Resp:	291903
Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	143.8
176	76.3	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN078619.D
 Acq: 21 Jul 2023 17:25

Tgt Ion:	117	Resp:	682023
Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.0	66.0
119	32.5	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: VN078619.D

Acq: 21 Jul 2023 17:25

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

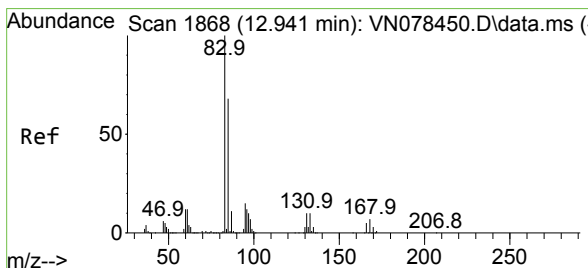
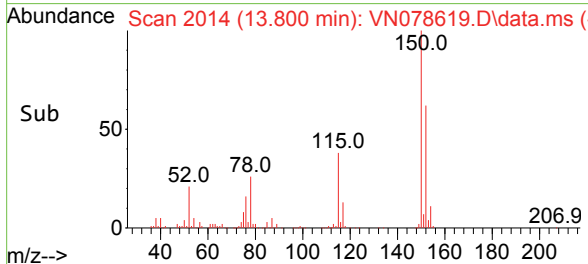
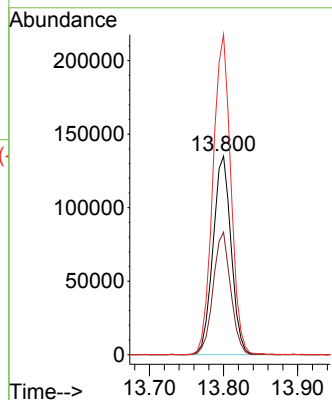
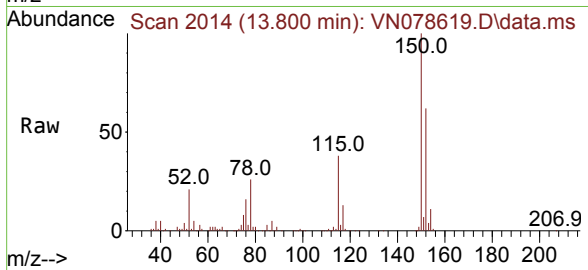
Tgt Ion:152 Resp: 229044

Ion Ratio Lower Upper

152 100

115 59.9 32.3 96.8

150 159.7 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN078619.D

Acq: 21 Jul 2023 17:25

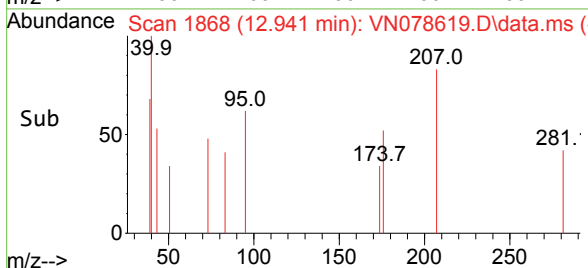
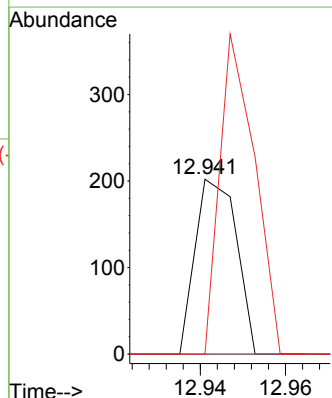
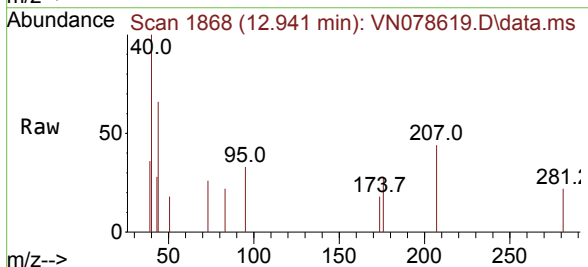
Tgt Ion: 83 Resp: 136

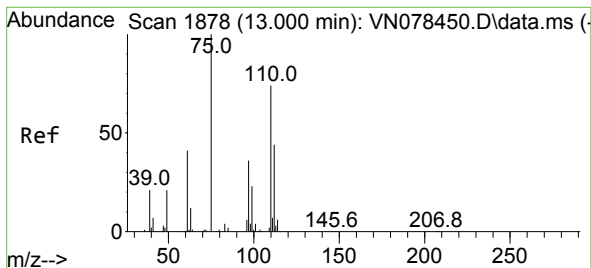
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 155.1 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 28.318 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078619.D

Acq: 21 Jul 2023 17:25

Instrument :

MSVOA_N

ClientSampleId :

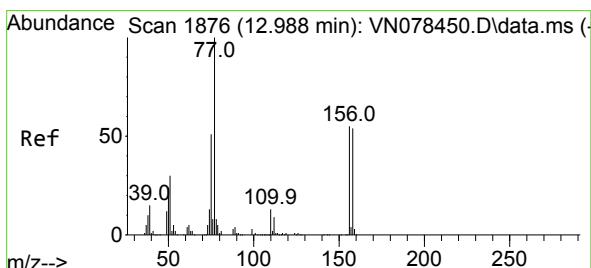
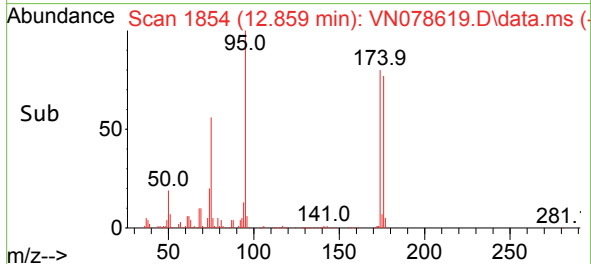
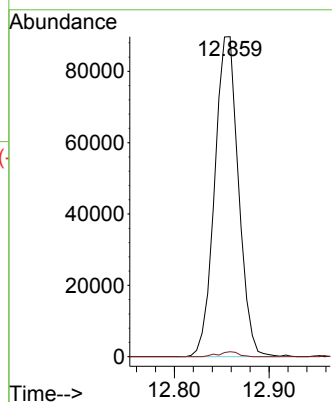
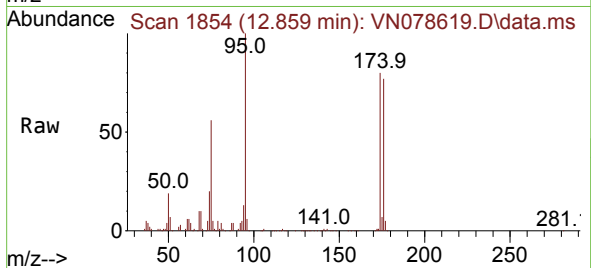
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 156776

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#77

Bromobenzene

Concen: Below Cal

RT: 12.871 min Scan# 1856

Delta R.T. -0.117 min

Lab File: VN078619.D

Acq: 21 Jul 2023 17:25

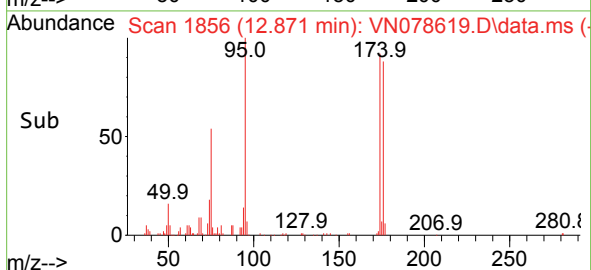
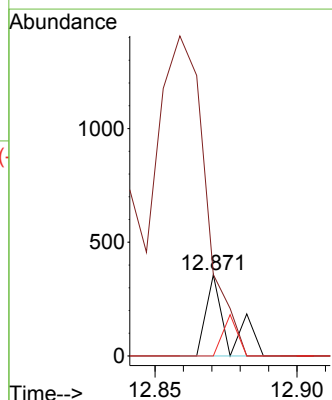
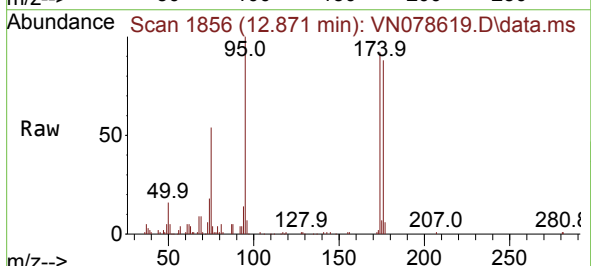
Tgt Ion:156 Resp: 191

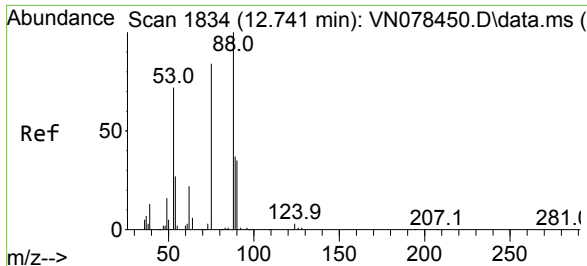
Ion Ratio Lower Upper

156 100

77 1082.7 107.7 323.3#

158 33.5 48.4 145.3#

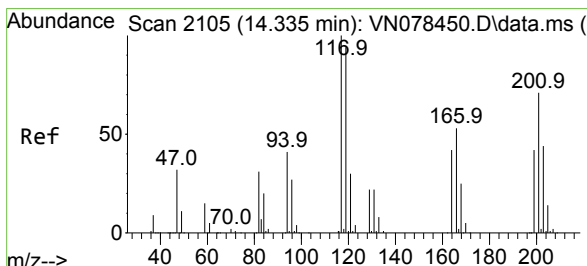
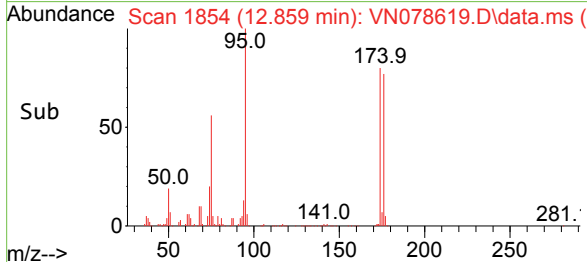
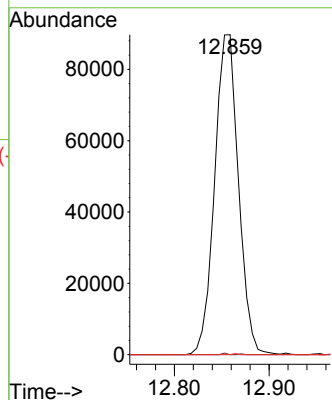
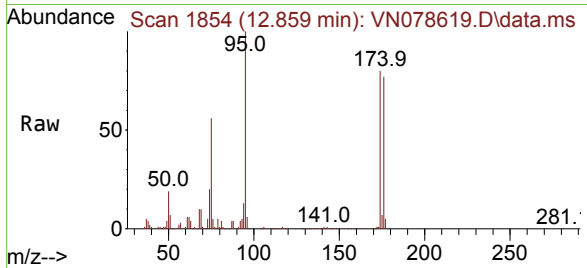




#81
trans-1,4-Dichloro-2-butene
Concen: 74.414 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

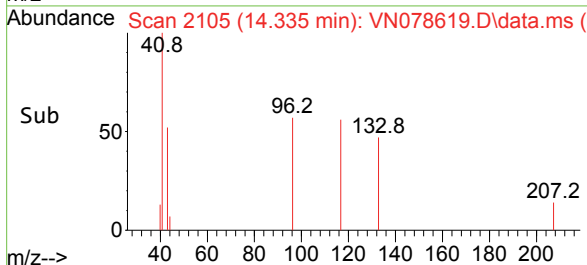
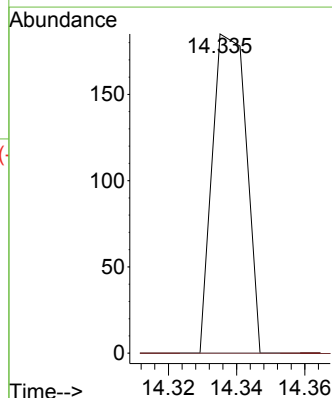
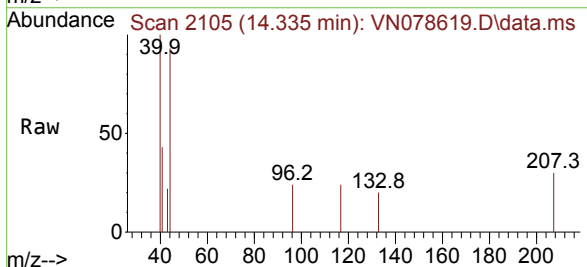
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

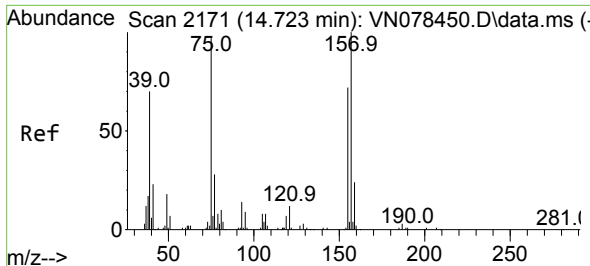
Tgt Ion: 75 Resp: 156776
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#90
Hexachloroethane
Concen: Below Cal
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

Tgt Ion: 117 Resp: 128
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

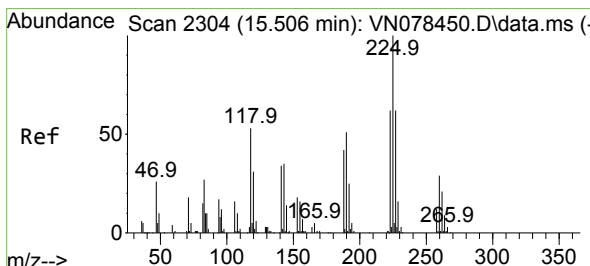
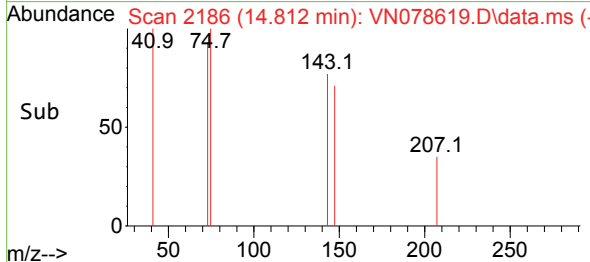
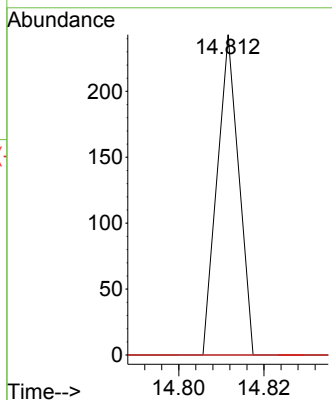
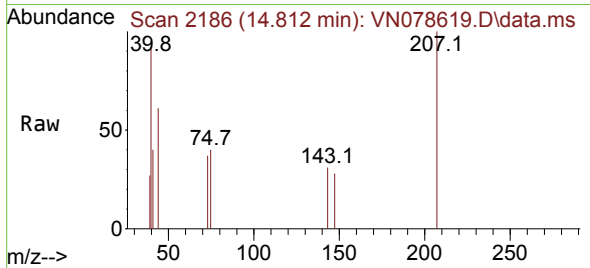




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.812 min Scan# 2171
Delta R.T. 0.089 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

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

Tgt Ion: 75 Resp: 86
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: 15.512 min Scan# 2305
Delta R.T. 0.006 min
Lab File: VN078619.D
Acq: 21 Jul 2023 17:25

Tgt Ion: 225 Resp: 152
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.8#
227 0.0 31.9 95.9#

