

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072823\
 Data File : VN078693.D
 Acq On : 28 Jul 2023 18:31
 Operator : JC\MD
 Sample : 03820-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jul 29 00:53:12 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	8.235	168	655799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1189468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	1063146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	348544	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	418250	47.573	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.140%
35) Dibromofluoromethane	8.177	113	413926	51.263	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.520%
50) Toluene-d8	10.576	98	1425411	46.730	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.460%
62) 4-Bromofluorobenzene	12.853	95	468536	49.868	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.740%

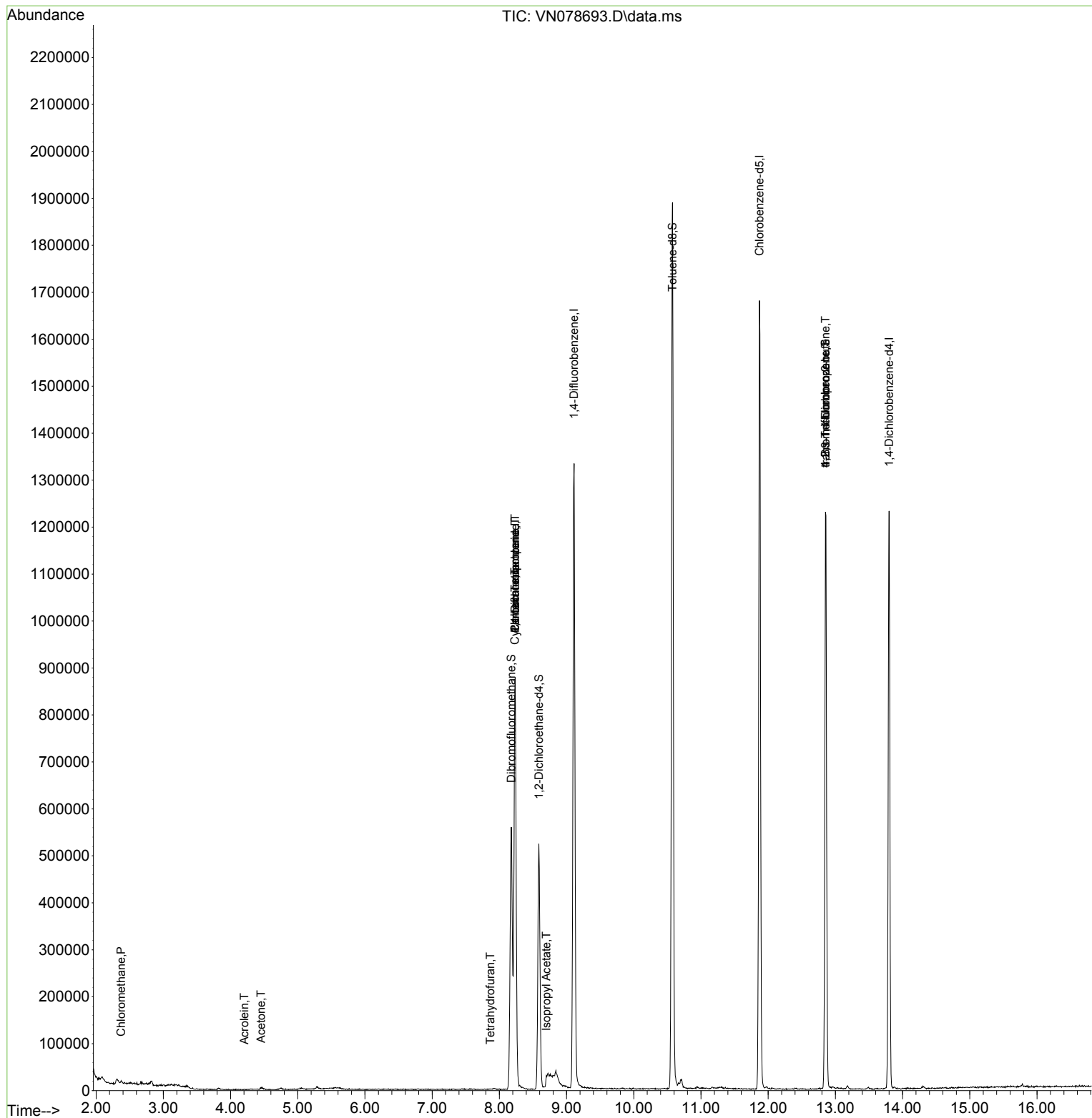
Target Compounds			Qvalue			
3) Chloromethane	2.371	50	4162	0.476	ug/l #	51
5) Bromomethane	2.971	94	2235	Below Cal	#	52
6) Chloroethane	3.118	64	3071	Below Cal	#	43
13) Acrolein	4.206	56	361	0.271	ug/l #	45
16) Acetone	4.453	43	1937	0.707	ug/l #	78
20) Methylene Chloride	5.294	84	3573	Below Cal	#	80
29) Tetrahydrofuran	7.865	42	855	0.302	ug/l #	35
31) Cyclohexane	8.229	56	13215	1.112	ug/l #	2
36) 1,1-Dichloropropene	8.235	75	50305	4.315	ug/l #	49
38) Carbon Tetrachloride	8.235	117	68934	5.440	ug/l #	16
43) Isopropyl Acetate	8.700	43	13690	0.856	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.953	83	338	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	230684	27.382	ug/l #	1
77) Bromobenzene	12.994	156	93	Below Cal	#	44
81) trans-1,4-Dichloro-2-b...	12.853	75	230684	71.954	ug/l #	15
90) Hexachloroethane	14.341	117	169	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.800	75	59	Below Cal	#	4

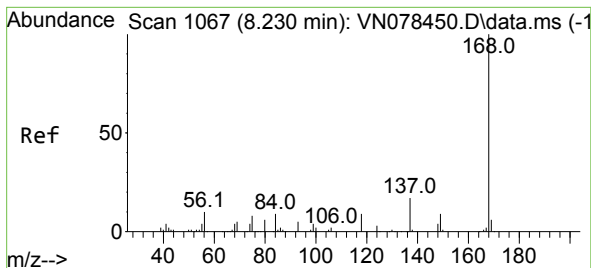
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN078693.D

Acq: 28 Jul 2023 18:31

Instrument :

MSVOA_N

ClientSampleId :

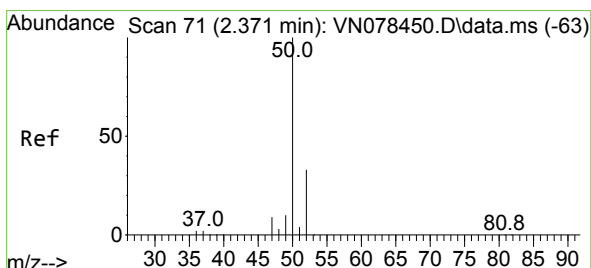
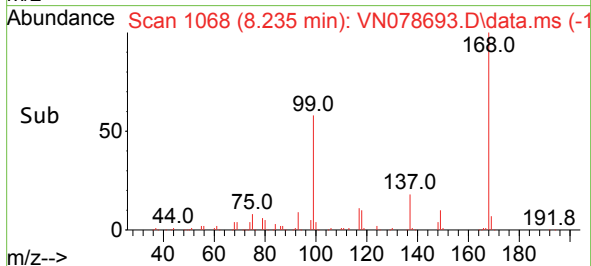
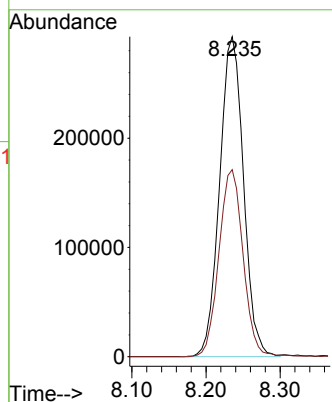
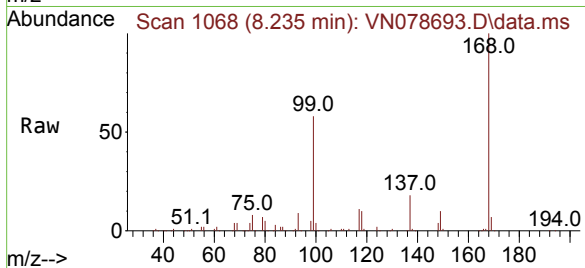
STORAGE-BLANK-WATER-REF-5

Tgt Ion:168 Resp: 655799

Ion Ratio Lower Upper

168 100

99 58.5 53.0 79.6



#3

Chloromethane

Concen: 0.476 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078693.D

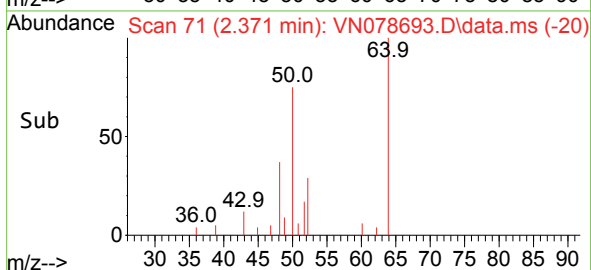
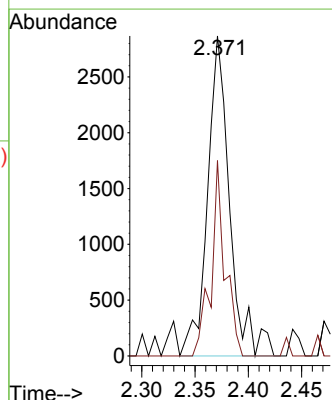
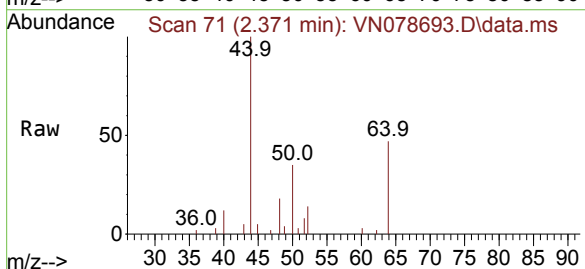
Acq: 28 Jul 2023 18:31

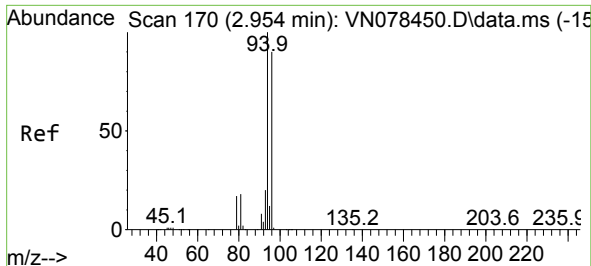
Tgt Ion: 50 Resp: 4162

Ion Ratio Lower Upper

50 100

52 61.0 26.5 39.7#

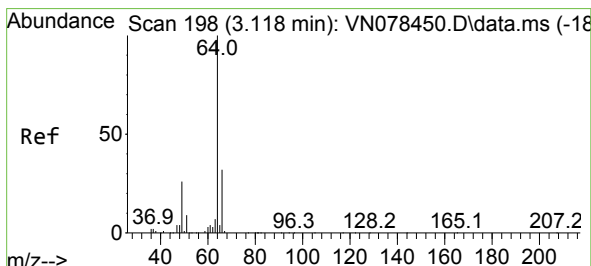
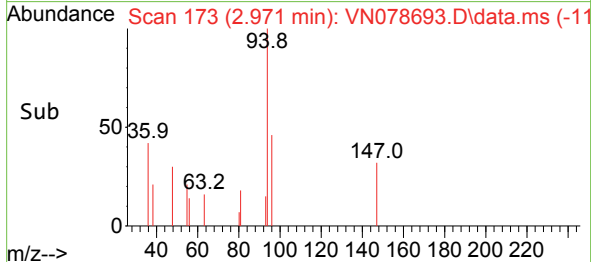
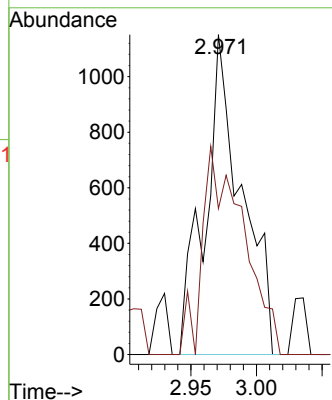
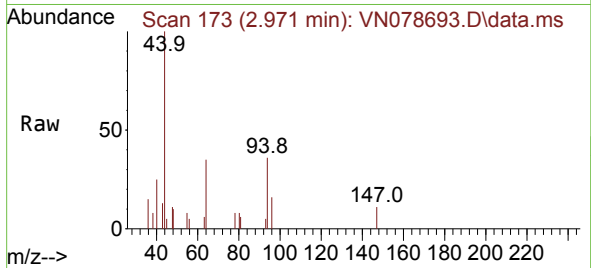




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

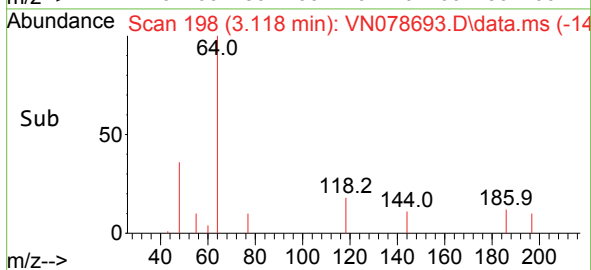
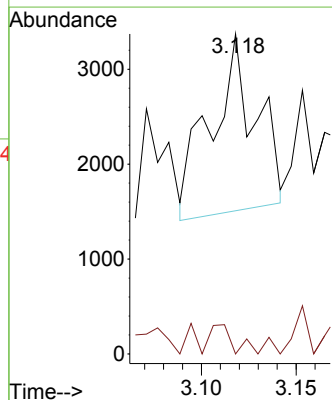
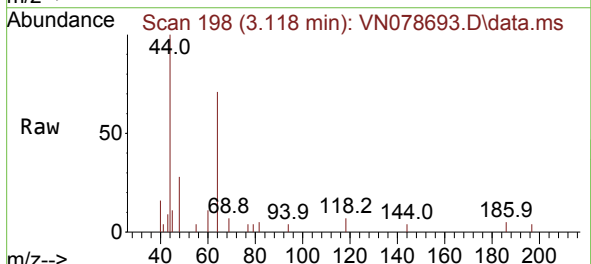
Instrument :
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STORAGE-BLANK-WATER-REF-5

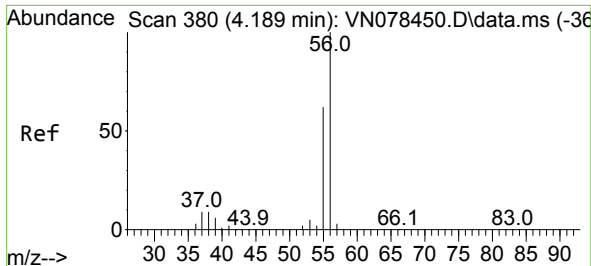
Tgt Ion: 94 Resp: 2235
Ion Ratio Lower Upper
94 100
96 45.6 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

Tgt Ion: 64 Resp: 3071
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

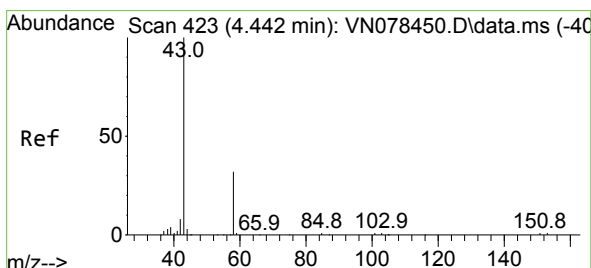
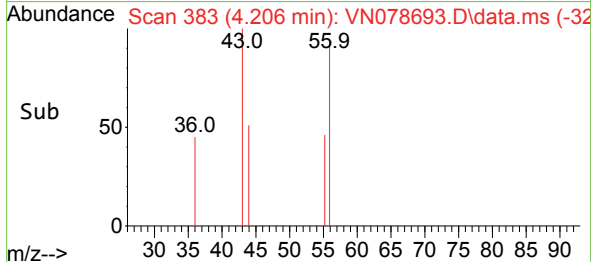
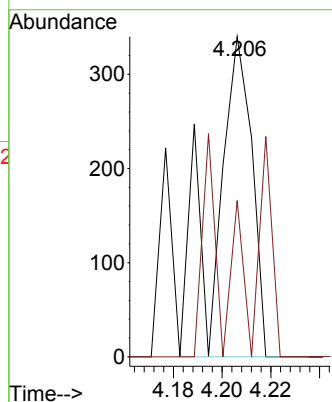
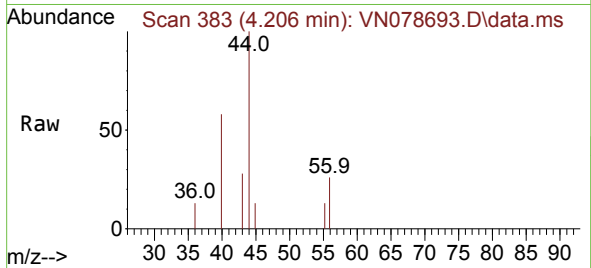




#13
Acrolein
Concen: 0.271 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.017 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

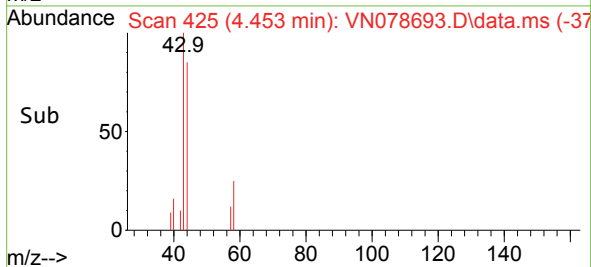
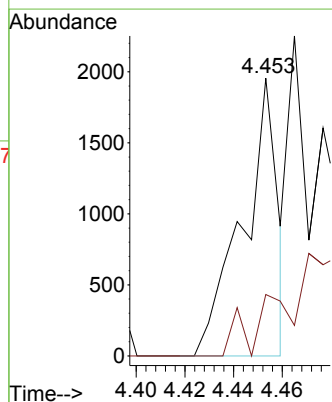
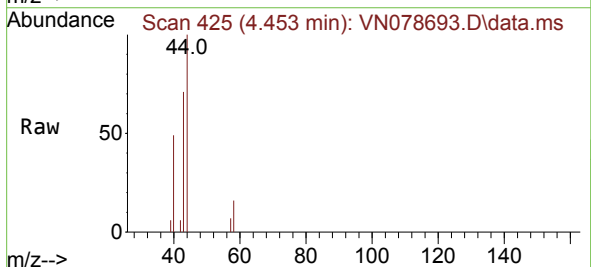
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

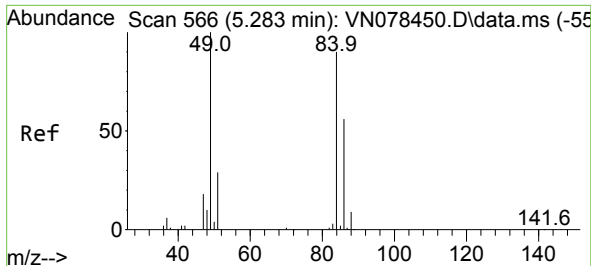
Tgt Ion: 56 Resp: 361
Ion Ratio Lower Upper
56 100
55 23.3 54.5 81.7#



#16
Acetone
Concen: 0.707 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

Tgt Ion: 43 Resp: 1937
Ion Ratio Lower Upper
43 100
58 22.1 28.0 42.0#

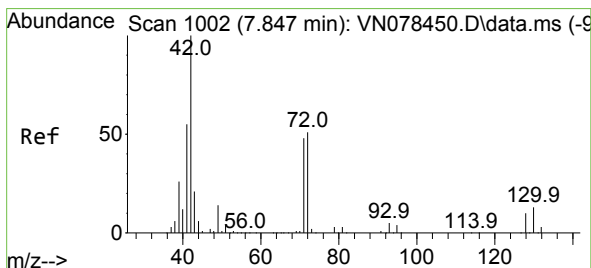
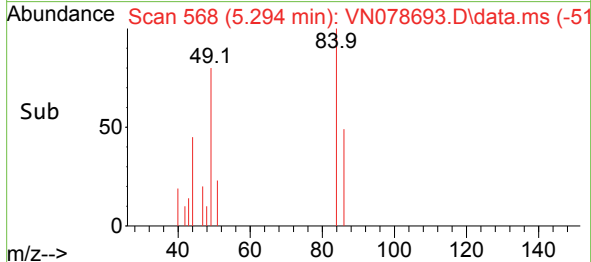
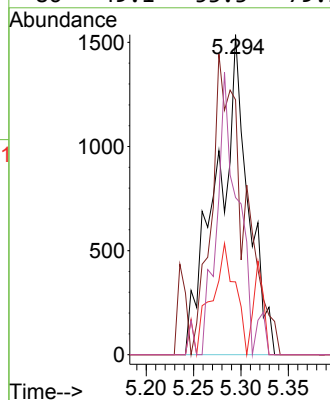
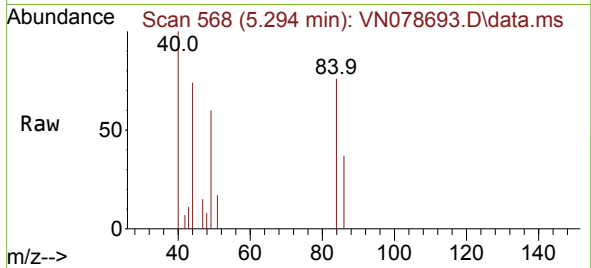




#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

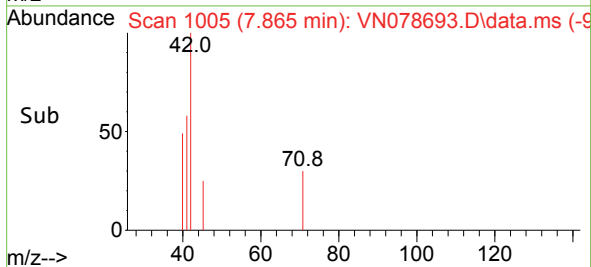
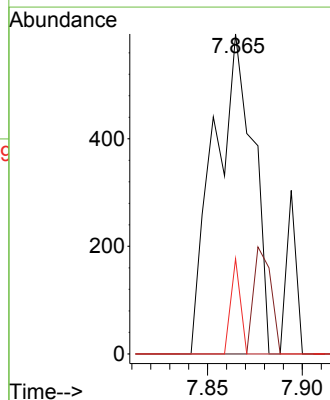
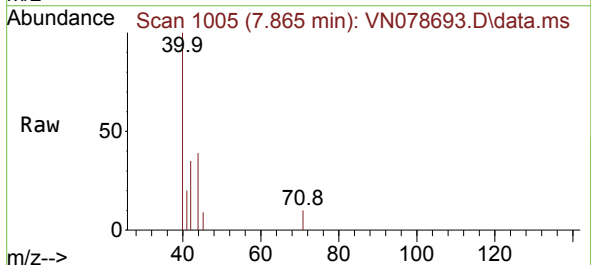
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

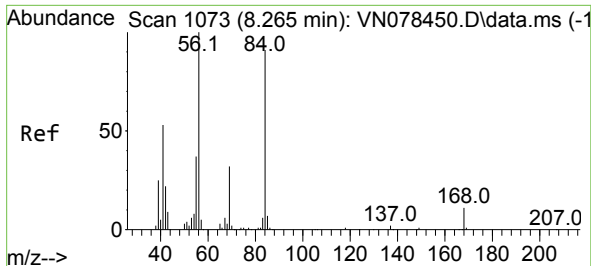
Tgt Ion:	84	Resp:	3573
Ion	Ratio	Lower	Upper
84	100		
49	79.6	79.7	119.5#
51	22.8	25.2	37.8#
86	49.1	53.3	79.9#



#29
Tetrahydrofuran
Concen: 0.302 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.018 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

Tgt Ion:	42	Resp:	855
Ion	Ratio	Lower	Upper
42	100		
72	14.9	49.8	74.6#
71	7.3	47.4	71.2#

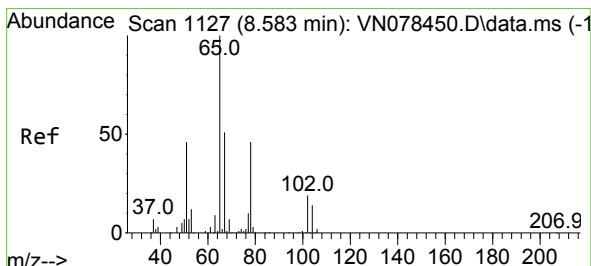
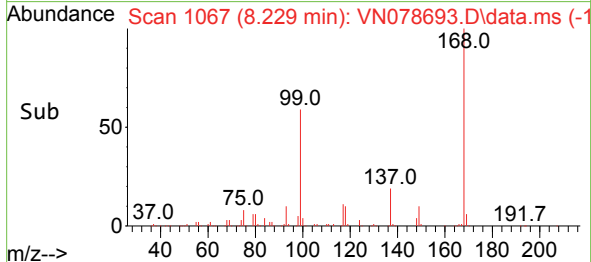
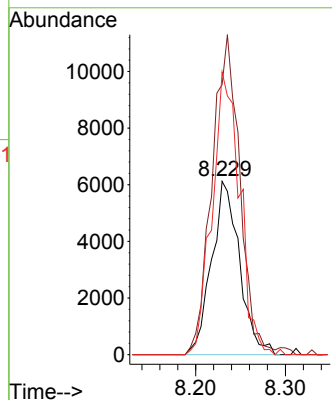
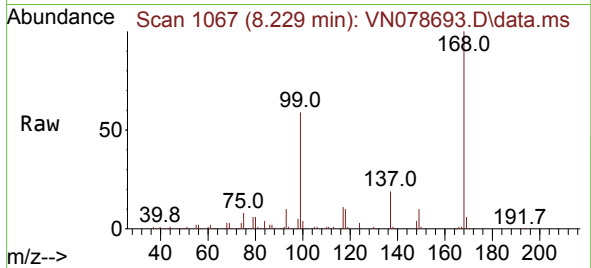




#31
Cyclohexane
Concen: 1.112 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

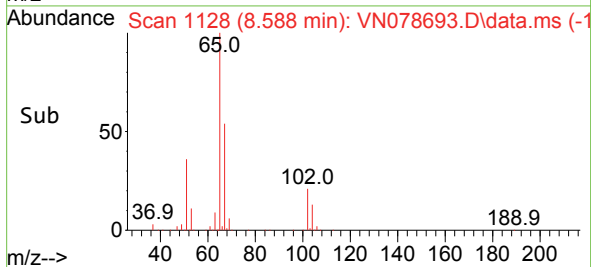
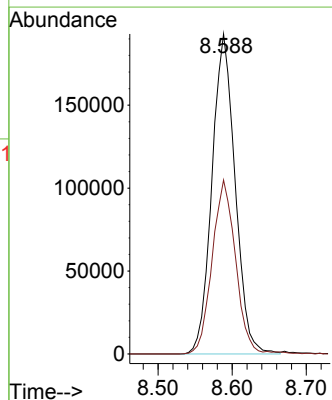
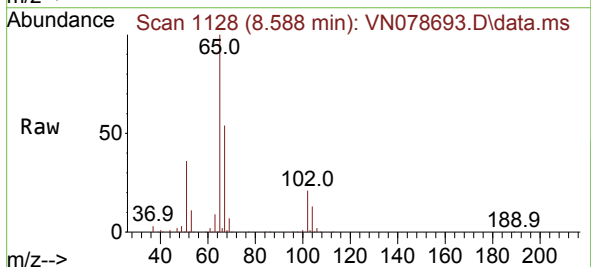
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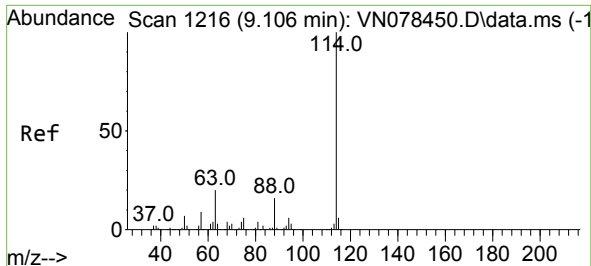
Tgt Ion: 56 Resp: 13215
Ion Ratio Lower Upper
56 100
69 155.8 26.8 40.2#
84 163.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 47.573 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

Tgt Ion: 65 Resp: 418250
Ion Ratio Lower Upper
65 100
67 55.1 0.0 106.6

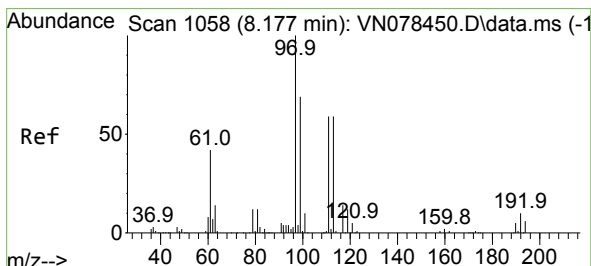
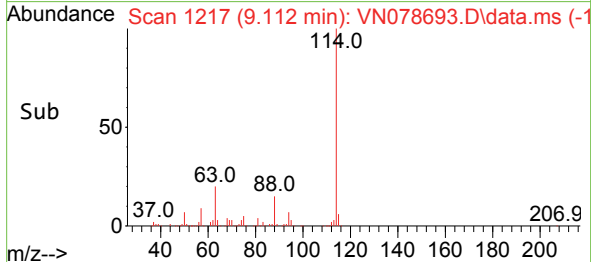
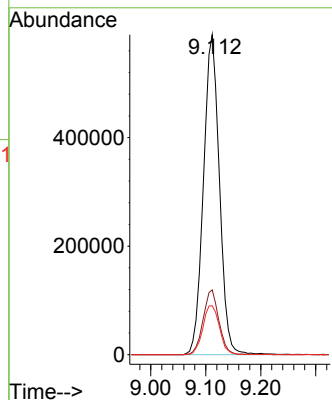
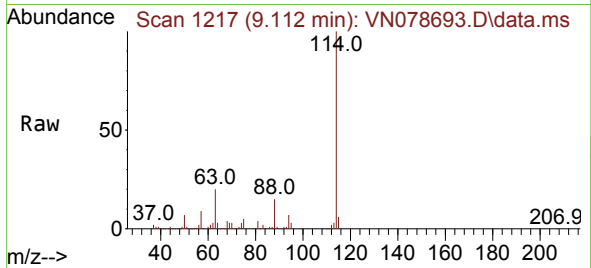




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

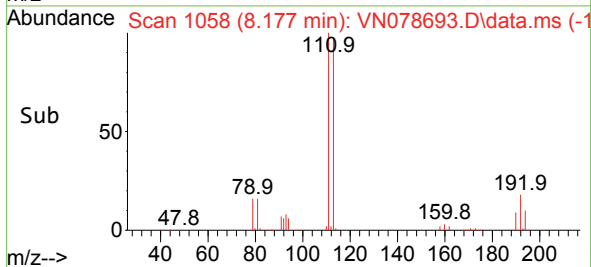
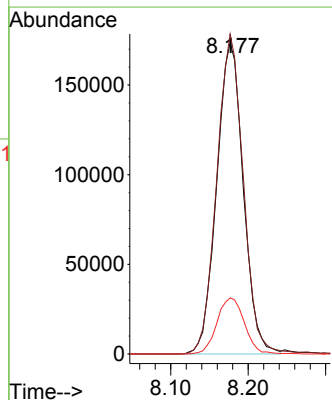
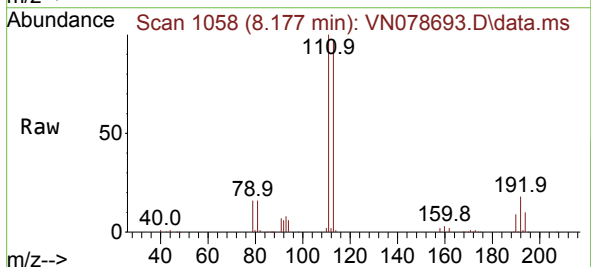
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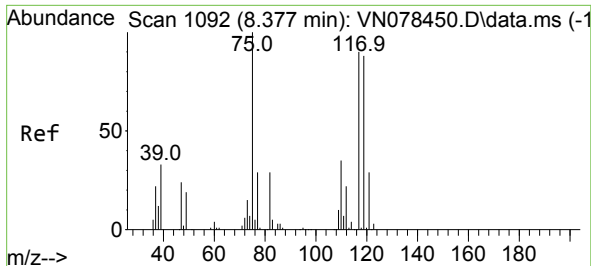
Tgt Ion:114 Resp: 1189468
Ion Ratio Lower Upper
114 100
63 20.3 0.0 36.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.263 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

Tgt Ion:113 Resp: 413926
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 18.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.315 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN078693.D

Acq: 28 Jul 2023 18:31

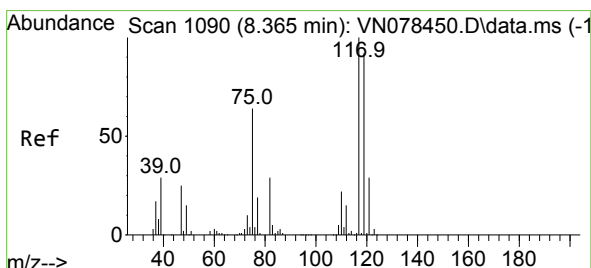
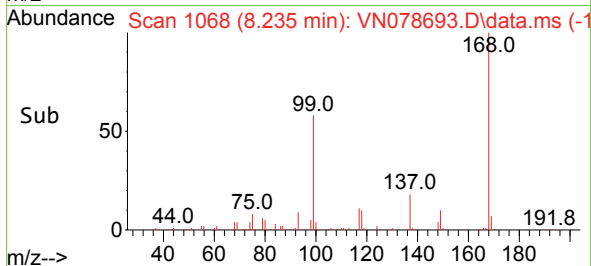
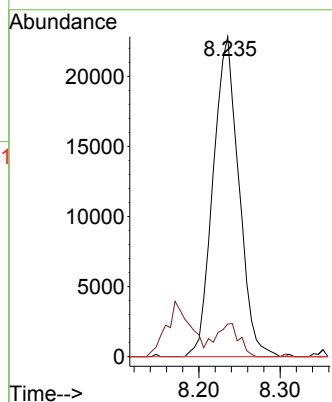
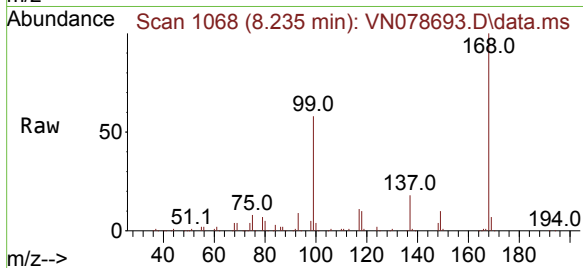
Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tgt Ion:	75	Resp:	50305
Ion Ratio	Lower	Upper	
75	100		
110	9.7	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 5.440 ug/l

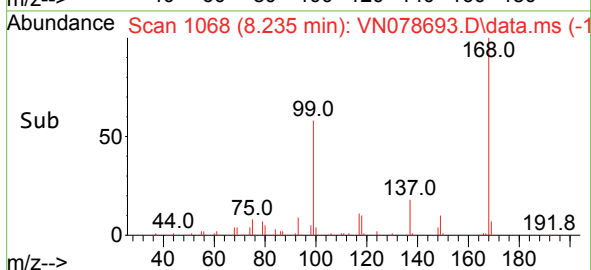
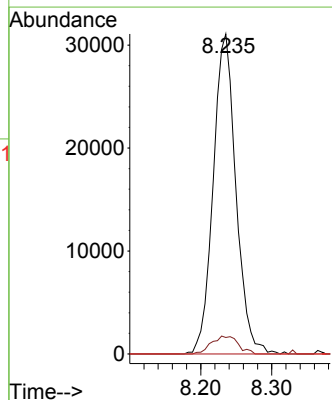
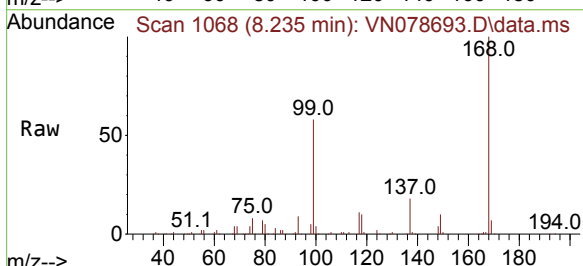
RT: 8.235 min Scan# 1068

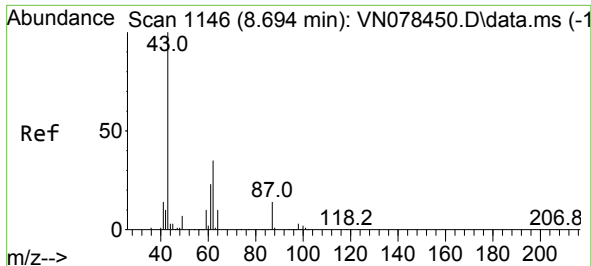
Delta R.T. -0.130 min

Lab File: VN078693.D

Acq: 28 Jul 2023 18:31

Tgt Ion:	117	Resp:	68934
Ion Ratio	Lower	Upper	
117	100		
119	5.2	77.3	115.9#
121	0.0	23.3	34.9#

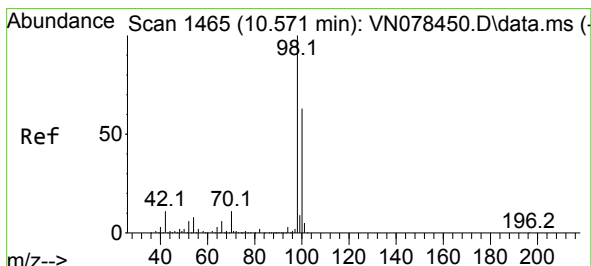
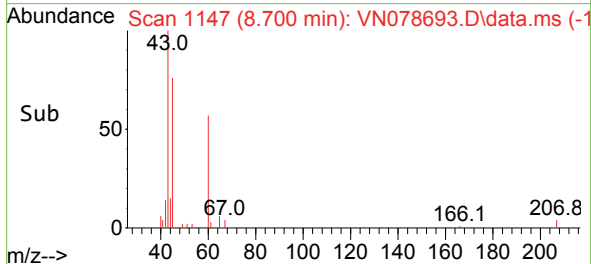
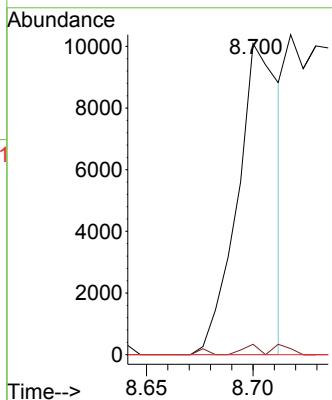
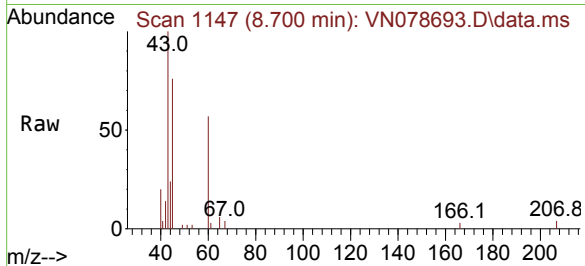




#43
Isopropyl Acetate
Concen: 0.856 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

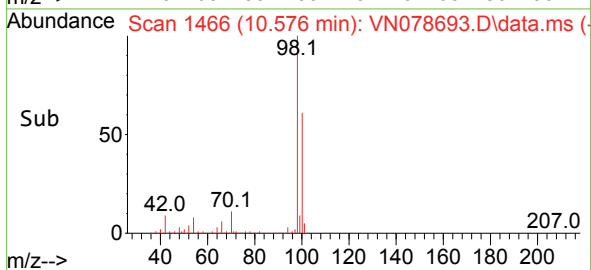
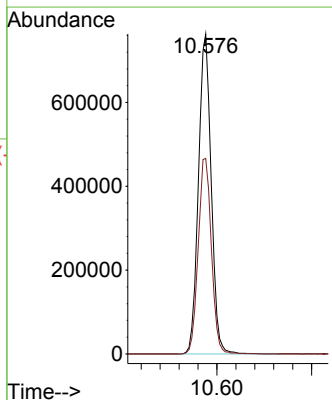
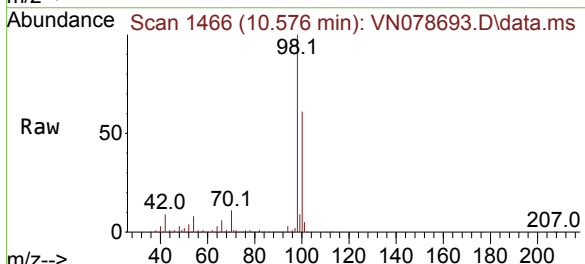
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

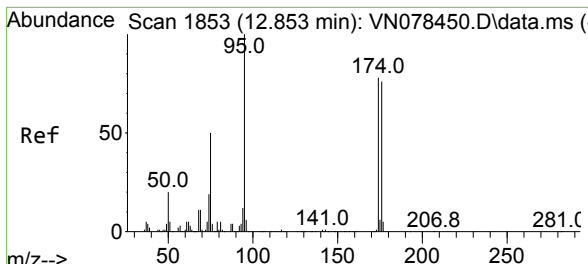
Tgt Ion: 43 Resp: 13690
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.730 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

Tgt Ion: 98 Resp: 1425411
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

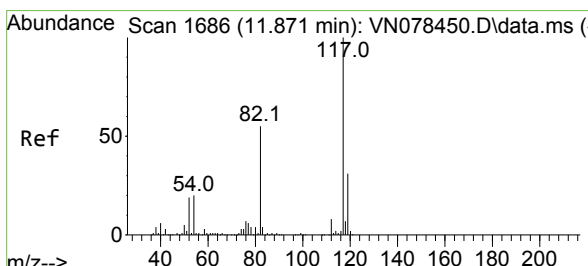
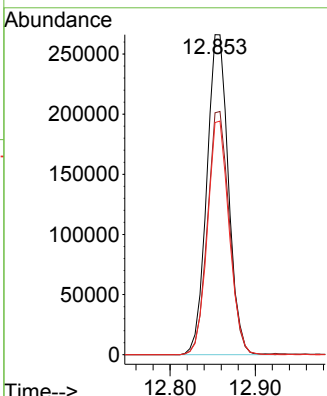
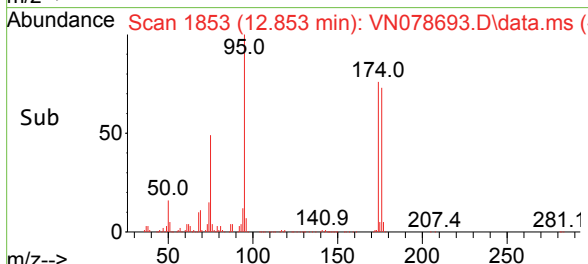
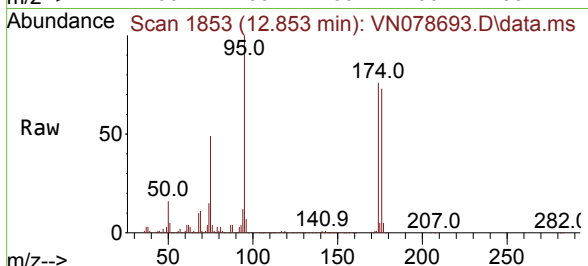




#62
 4-Bromofluorobenzene
 Concen: 49.868 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078693.D
 Acq: 28 Jul 2023 18:31

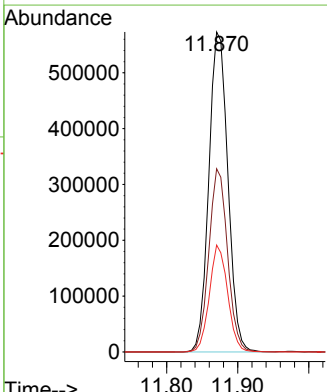
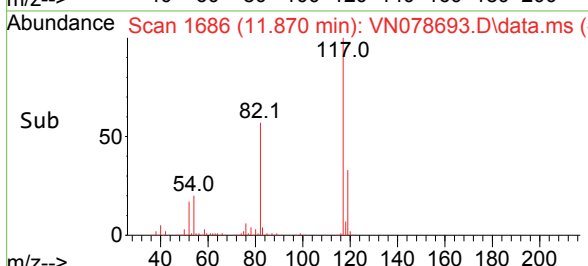
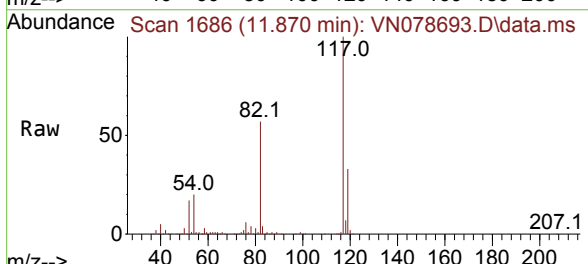
Instrument : MSVOA_N
 ClientSampleId : STORAGE-BLANK-WATER-REF-5

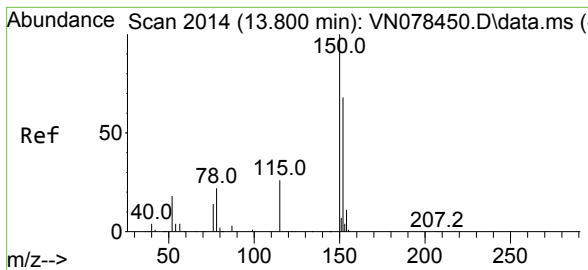
Tgt Ion:	95	Resp:	468536
Ion Ratio	Lower	Upper	
95	100		
174	76.7	0.0	143.8
176	73.3	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN078693.D
 Acq: 28 Jul 2023 18:31

Tgt Ion:	117	Resp:	1063146
Ion Ratio	Lower	Upper	
117	100		
82	57.3	44.0	66.0
119	33.4	25.6	38.4

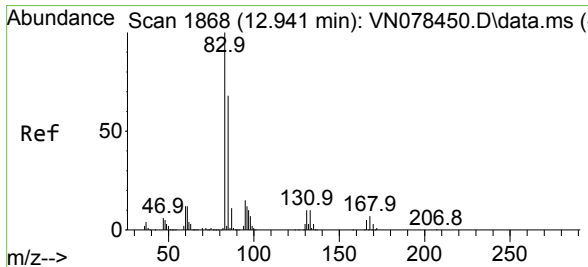
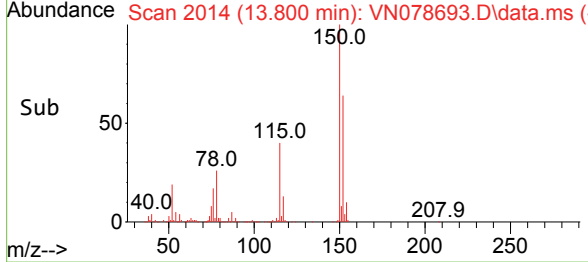
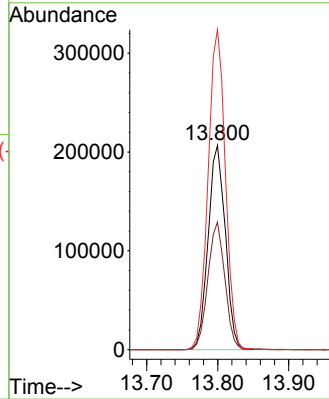
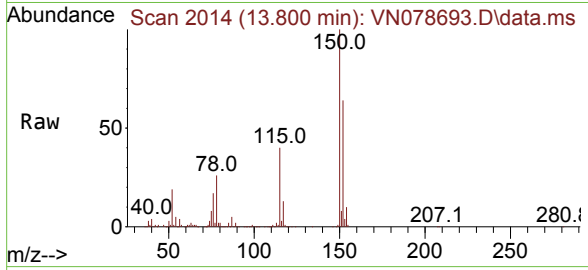




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078693.D
 Acq: 28 Jul 2023 18:31

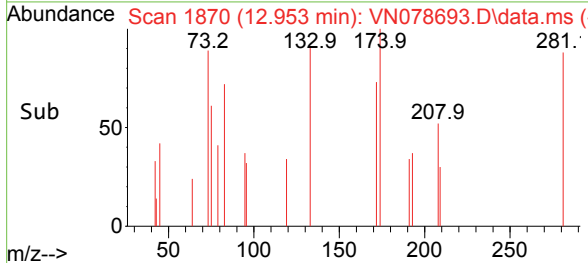
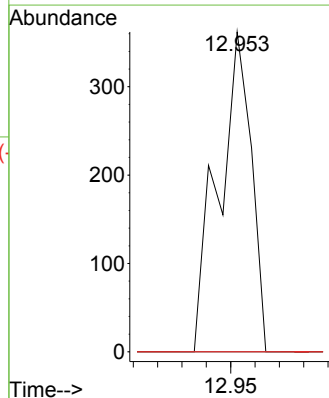
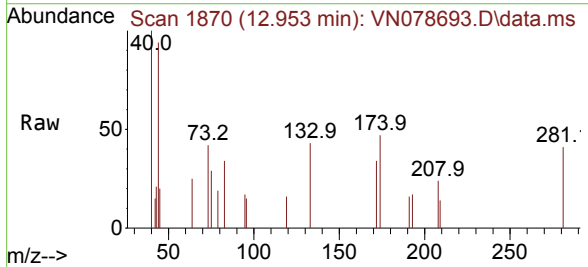
Instrument : MSVOA_N
 ClientSampleId : STORAGE-BLANK-WATER-REF-5

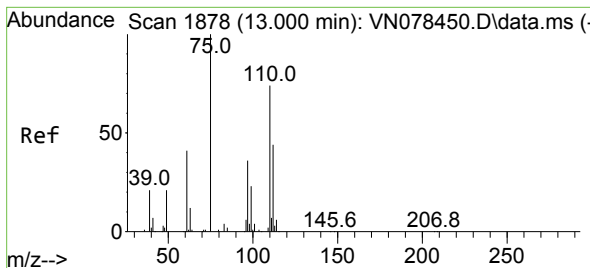
Tgt Ion:152 Resp: 348544
 Ion Ratio Lower Upper
 152 100
 115 61.5 32.3 96.8
 150 157.4 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.953 min Scan# 1870
 Delta R.T. 0.012 min
 Lab File: VN078693.D
 Acq: 28 Jul 2023 18:31

Tgt Ion: 83 Resp: 338
 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: 27.382 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078693.D

Acq: 28 Jul 2023 18:31

Instrument :

MSVOA_N

ClientSampleId :

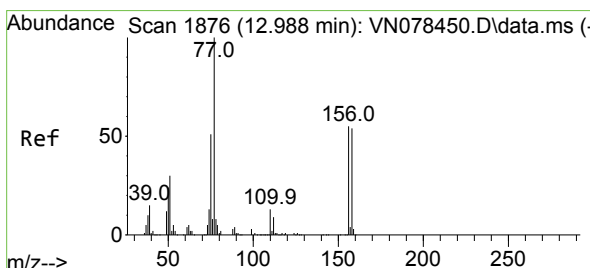
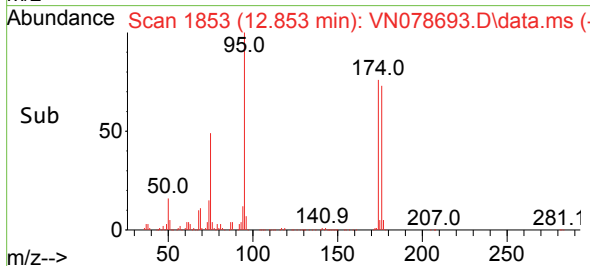
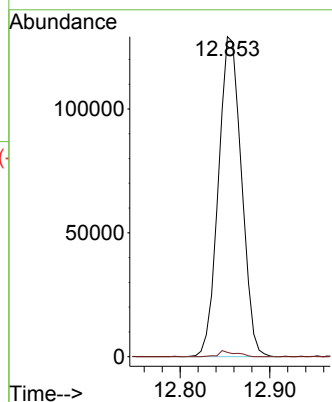
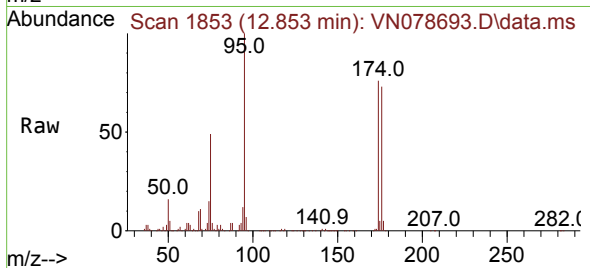
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 75 Resp: 230684

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#77

Bromobenzene

Concen: Below Cal

RT: 12.994 min Scan# 1877

Delta R.T. 0.006 min

Lab File: VN078693.D

Acq: 28 Jul 2023 18:31

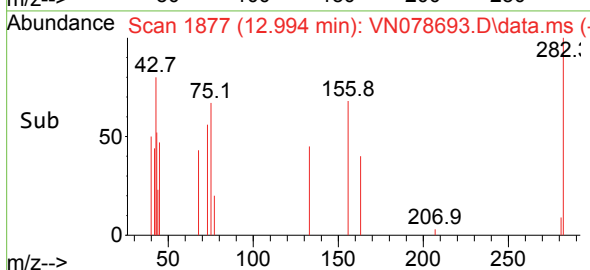
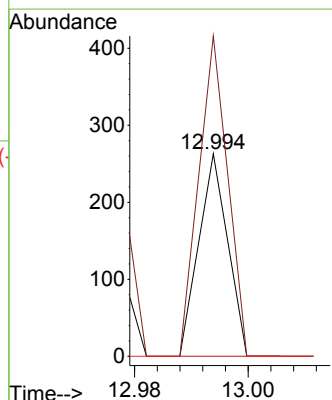
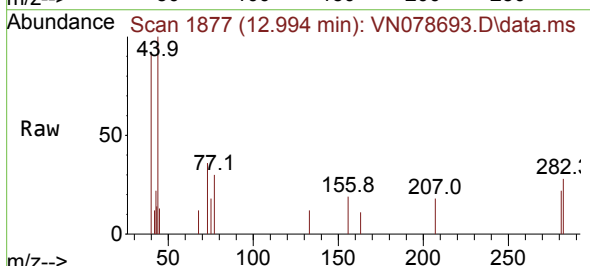
Tgt Ion:156 Resp: 93

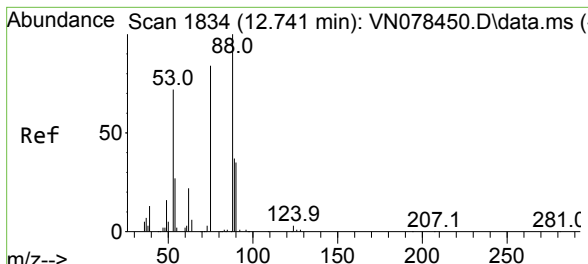
Ion Ratio Lower Upper

156 100

77 158.1 107.7 323.3

158 0.0 48.4 145.3#

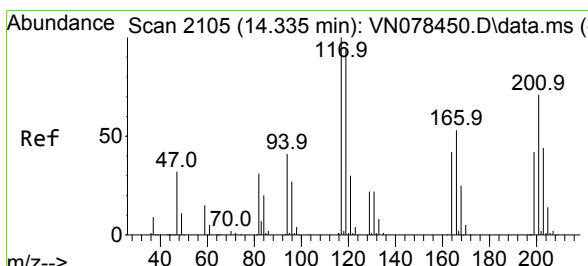
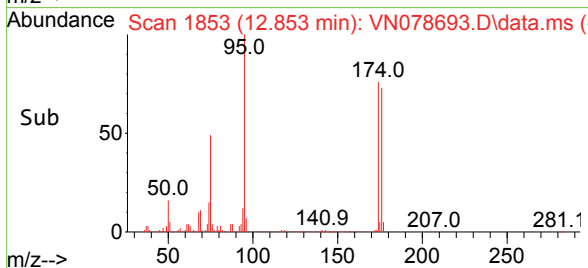
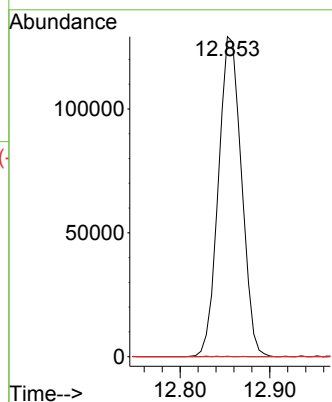
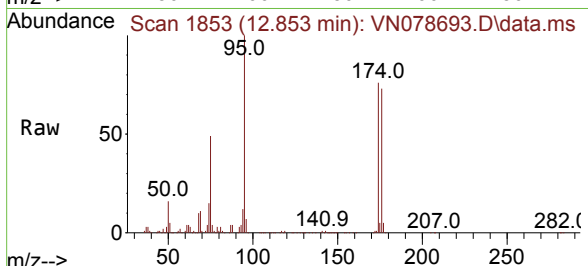




#81
trans-1,4-Dichloro-2-butene
Concen: 71.954 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

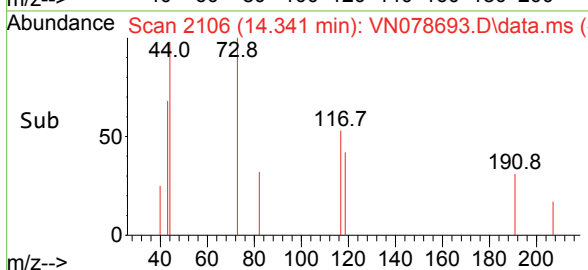
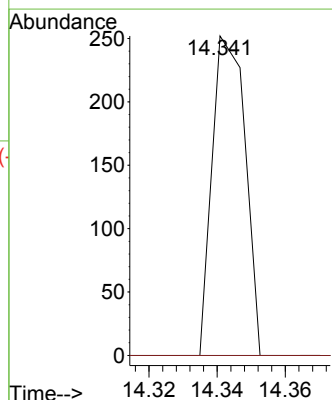
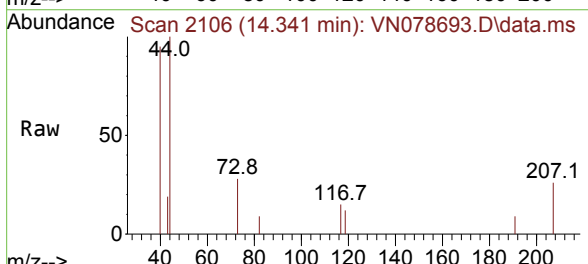
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

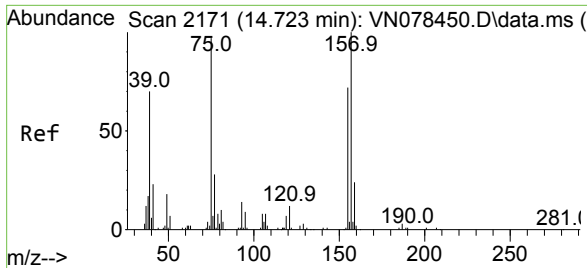
Tgt Ion: 75 Resp: 230684
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#90
Hexachloroethane
Concen: Below Cal
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN078693.D
Acq: 28 Jul 2023 18:31

Tgt Ion: 117 Resp: 169
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.800 min Scan# 21
 Delta R.T. 0.077 min
 Lab File: VN078693.D
 Acq: 28 Jul 2023 18:31

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

Tgt Ion: 75 Resp: 59
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#

