

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072823\
 Data File : VN078694.D
 Acq On : 28 Jul 2023 18:55
 Operator : JC\MD
 Sample : 03820-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jul 29 00:53:39 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)

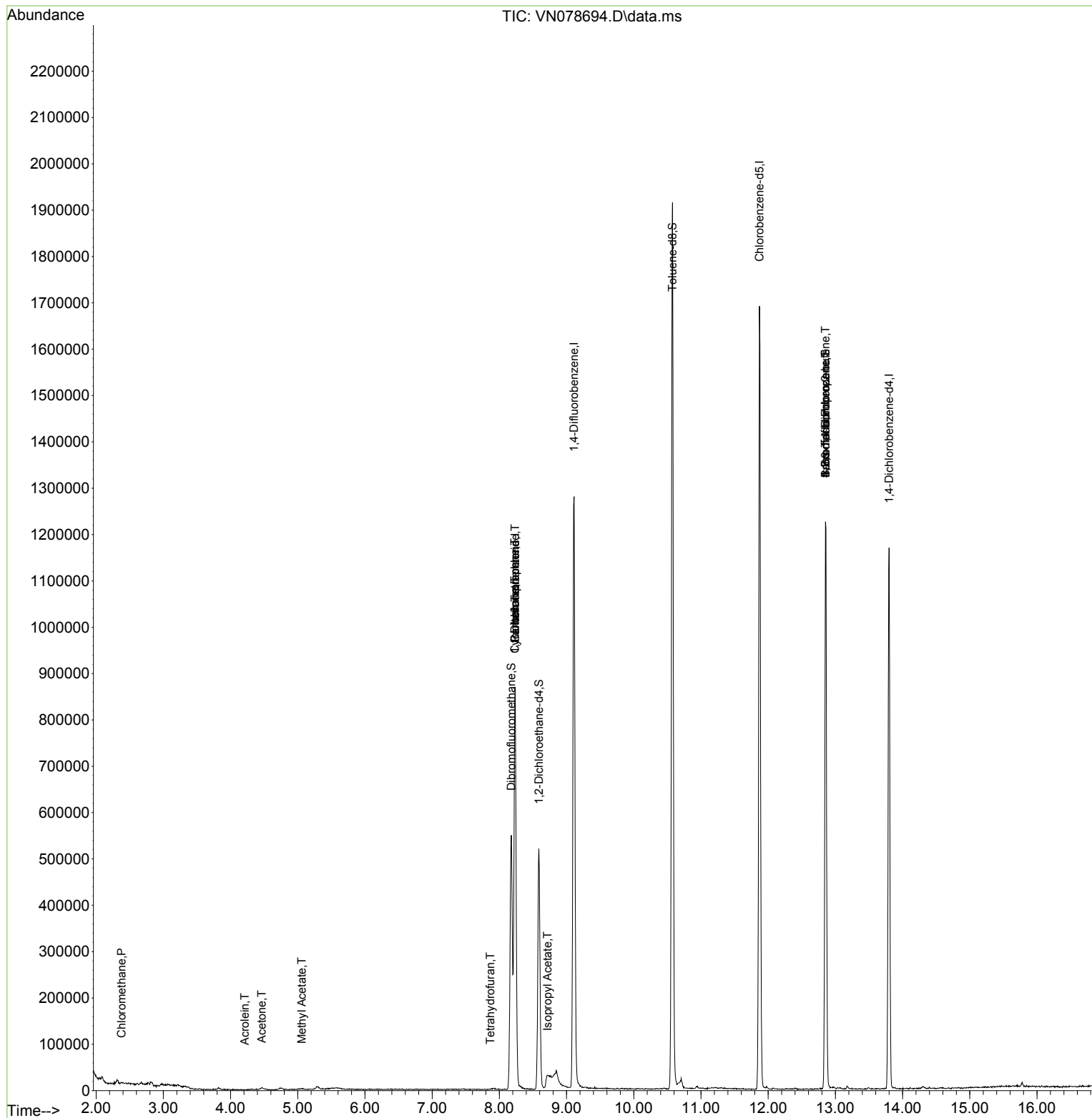
Internal Standards						
1) Pentafluorobenzene	8.235	168	649941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1186669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	1061726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	343375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	422542	48.495	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.980%
35) Dibromofluoromethane	8.177	113	419221	52.042	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.080%
50) Toluene-d8	10.576	98	1427570	46.911	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.820%
62) 4-Bromofluorobenzene	12.853	95	471106	50.260	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.520%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	4453	0.514	ug/l	93
5) Bromomethane	2.971	94	1871	Below Cal	#	64
6) Chloroethane	3.124	64	671	Below Cal		93
13) Acrolein	4.212	56	511	0.387	ug/l #	16
16) Acetone	4.465	43	6043	2.226	ug/l #	45
18) Methyl Acetate	5.059	43	2832	0.246	ug/l	93
20) Methylene Chloride	5.294	84	4530	Below Cal	#	68
29) Tetrahydrofuran	7.865	42	923	0.329	ug/l #	25
31) Cyclohexane	8.230	56	13170	1.118	ug/l #	26
36) 1,1-Dichloropropene	8.230	75	51448	4.423	ug/l #	48
38) Carbon Tetrachloride	8.235	117	67678	5.354	ug/l #	15
43) Isopropyl Acetate	8.718	43	18164	1.138	ug/l #	51
71) Bromoform	12.853	173	2104	0.340	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	448	Below Cal	#	63
76) 1,2,3-Trichloropropane	12.853	75	226422	27.280	ug/l #	1
77) Bromobenzene	12.988	156	111	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	226422	71.688	ug/l #	15
90) Hexachloroethane	14.329	117	54	Below Cal	#	45
92) 1,2-Dibromo-3-Chloropr...	14.688	75	67	Below Cal	#	4

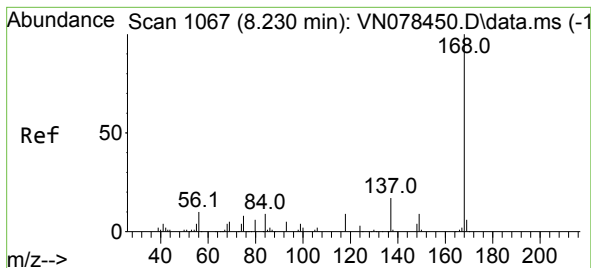
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN078694.D

Acq: 28 Jul 2023 18:55

Instrument :

MSVOA_N

ClientSampleId :

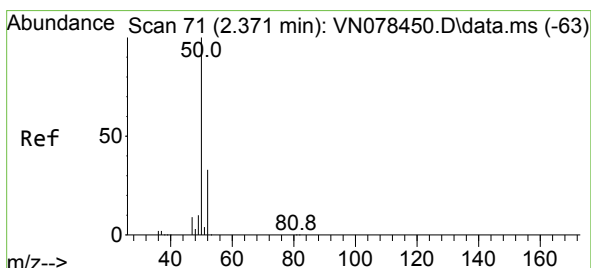
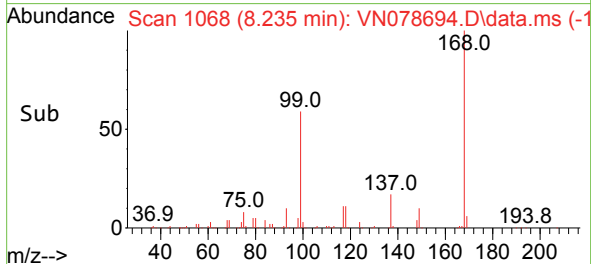
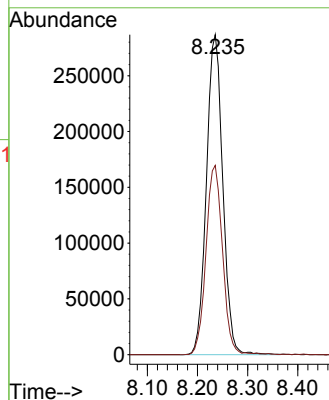
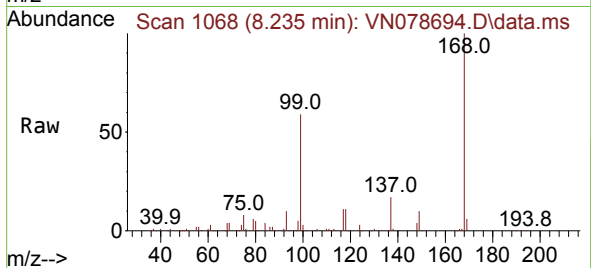
STORAGE-BLANK-WATER-REF-4

Tgt Ion:168 Resp: 649941

Ion Ratio Lower Upper

168 100

99 59.1 53.0 79.6



#3

Chloromethane

Concen: 0.514 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078694.D

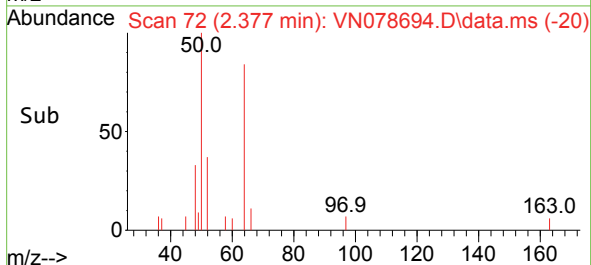
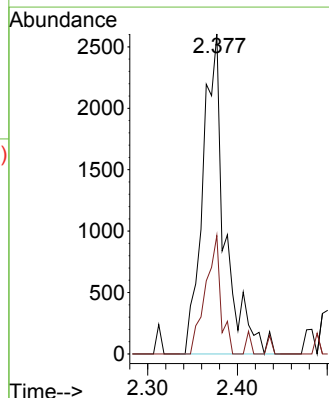
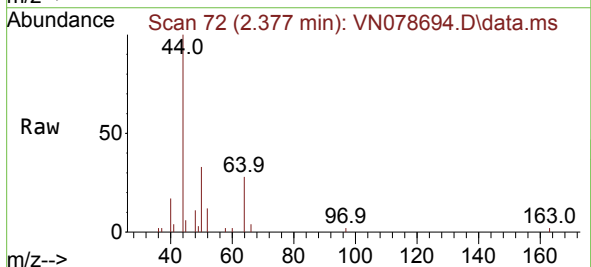
Acq: 28 Jul 2023 18:55

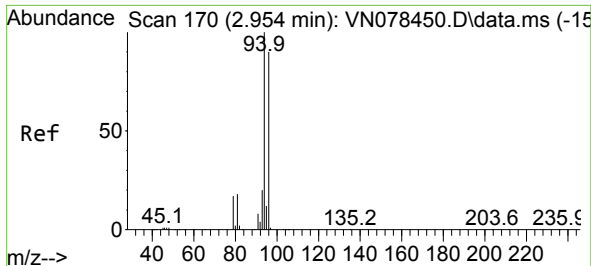
Tgt Ion: 50 Resp: 4453

Ion Ratio Lower Upper

50 100

52 37.0 26.5 39.7

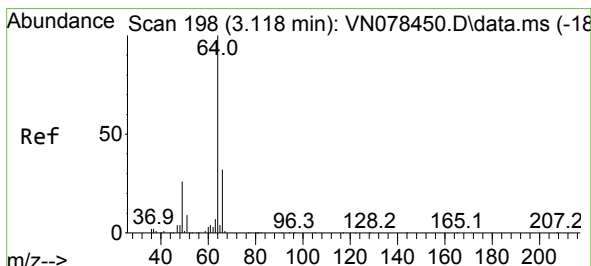
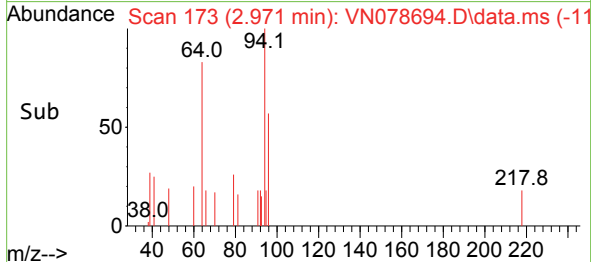
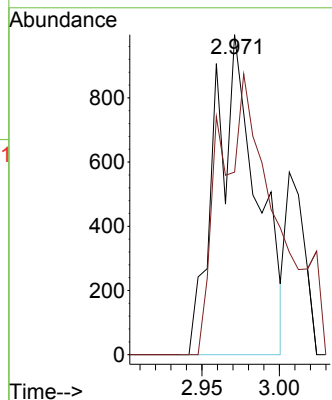
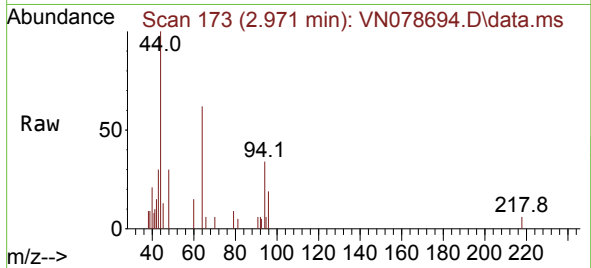




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078694.D
Acq: 28 Jul 2023 18:55

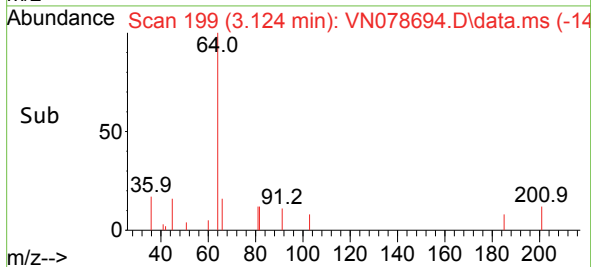
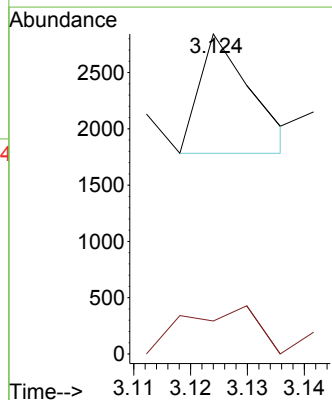
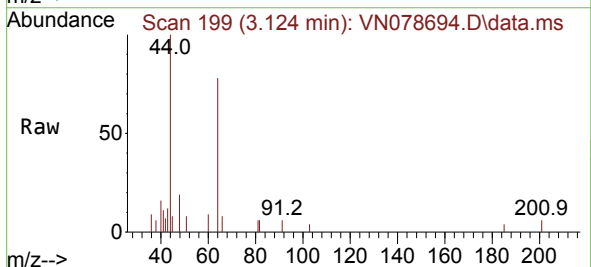
Instrument :
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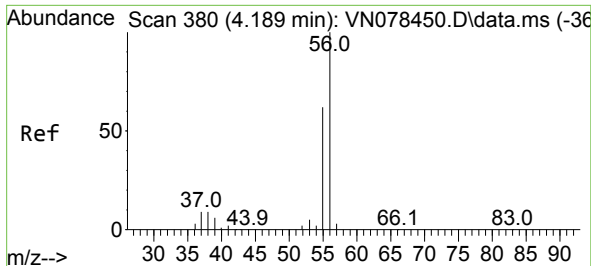
Tgt Ion: 94 Resp: 1871
Ion Ratio Lower Upper
94 100
96 57.1 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN078694.D
Acq: 28 Jul 2023 18:55

Tgt Ion: 64 Resp: 671
Ion Ratio Lower Upper
64 100
66 27.6 25.4 38.2

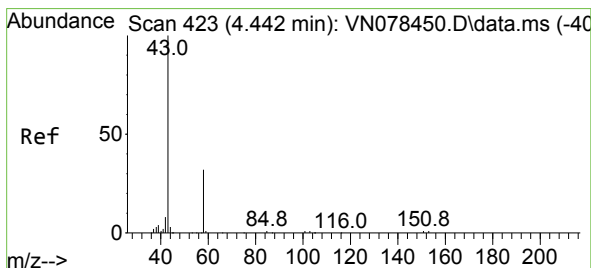
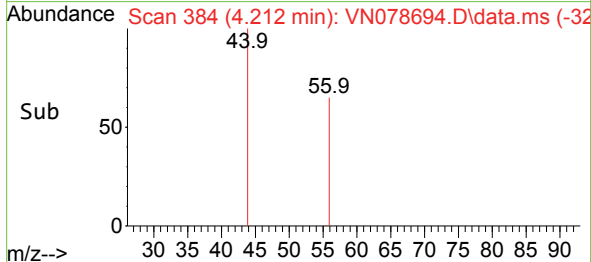
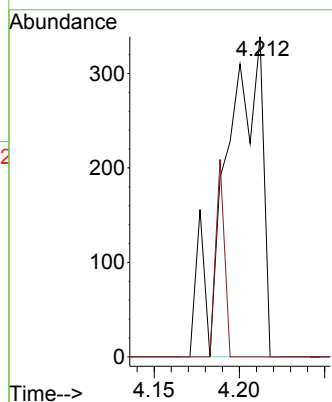
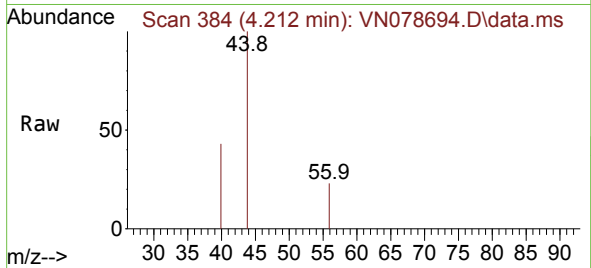




#13
Acrolein
Concen: 0.387 ug/l
RT: 4.212 min Scan# 311
Delta R.T. 0.023 min
Lab File: VN078694.D
Acq: 28 Jul 2023 18:55

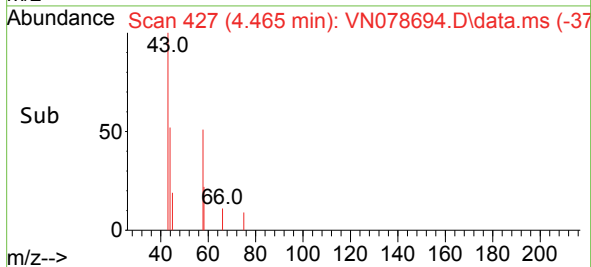
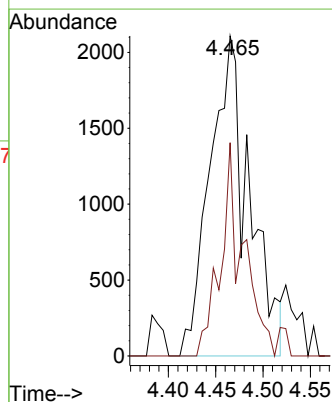
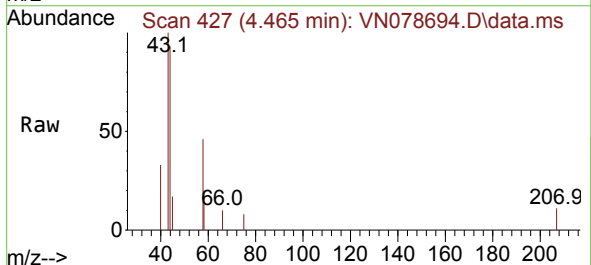
Instrument :
MSVOA_N
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STORAGE-BLANK-WATER-REF-4

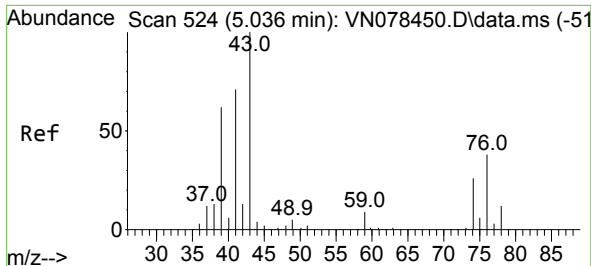
Tgt Ion: 56 Resp: 511
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 2.226 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.023 min
Lab File: VN078694.D
Acq: 28 Jul 2023 18:55

Tgt Ion: 43 Resp: 6043
Ion Ratio Lower Upper
43 100
58 66.7 28.0 42.0#

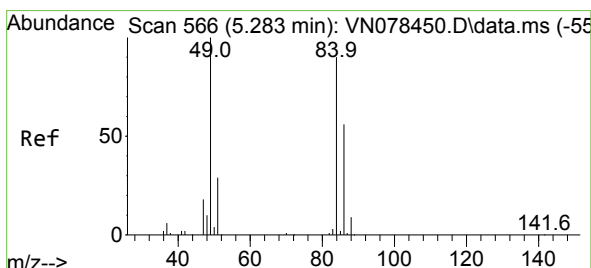
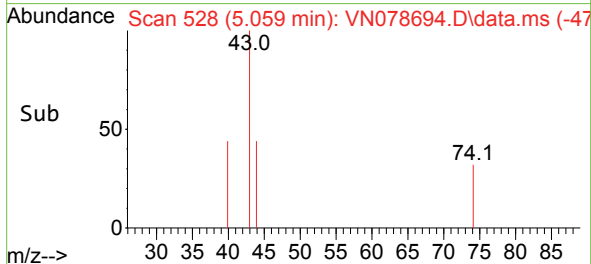
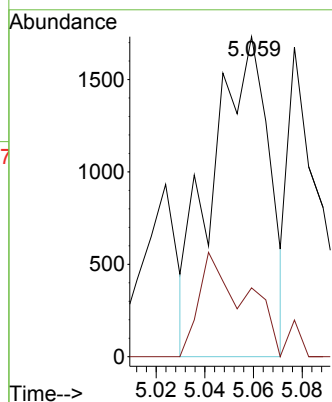
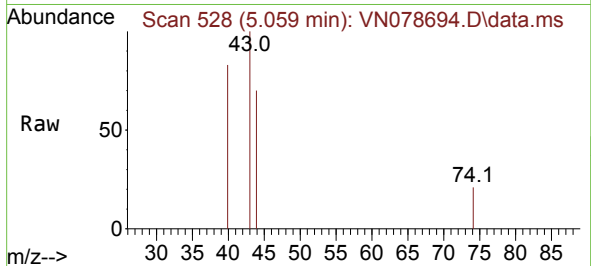




#18
Methyl Acetate
Concen: 0.246 ug/l
RT: 5.059 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN078694.D
Acq: 28 Jul 2023 18:55

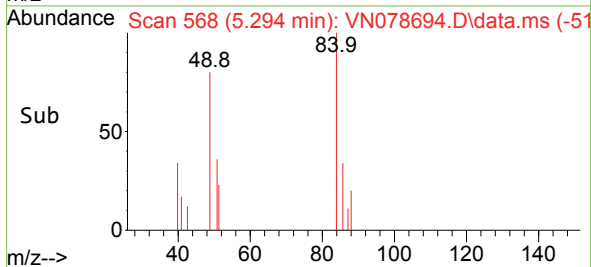
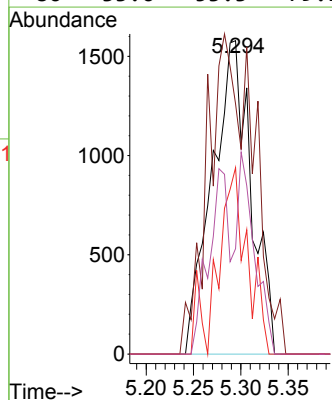
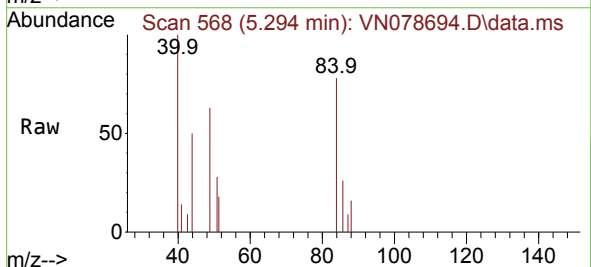
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ClientSampleId :
STORAGE-BLANK-WATER-REF-4

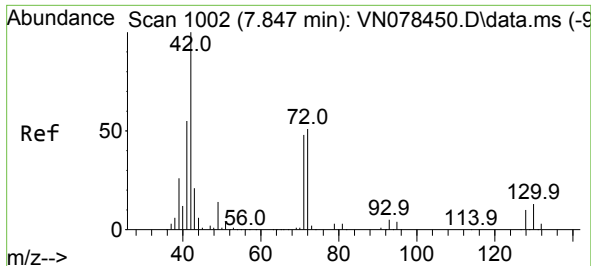
Tgt Ion: 43 Resp: 2832
Ion Ratio Lower Upper
43 100
74 28.8 26.2 39.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 568
Delta R.T. 0.011 min
Lab File: VN078694.D
Acq: 28 Jul 2023 18:55

Tgt Ion: 84 Resp: 4530
Ion Ratio Lower Upper
84 100
49 79.9 79.7 119.5
51 59.5 25.2 37.8#
86 33.6 53.3 79.9#

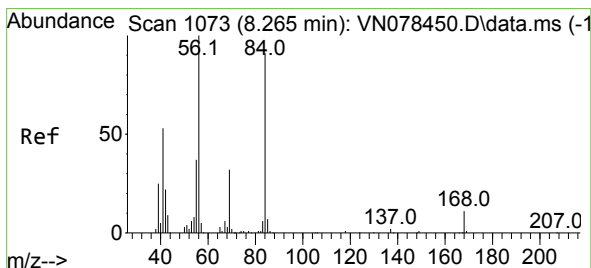
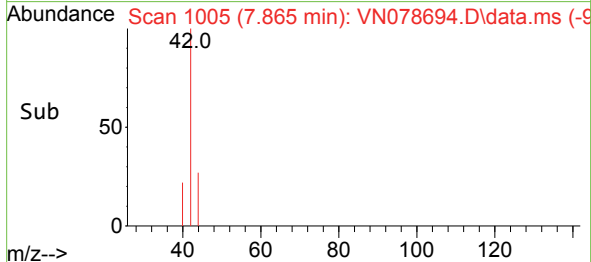
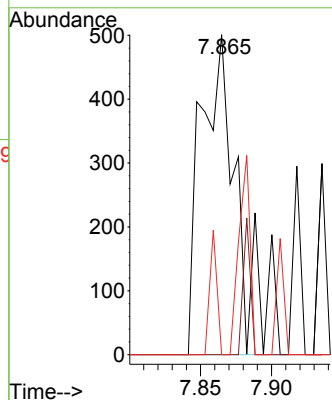
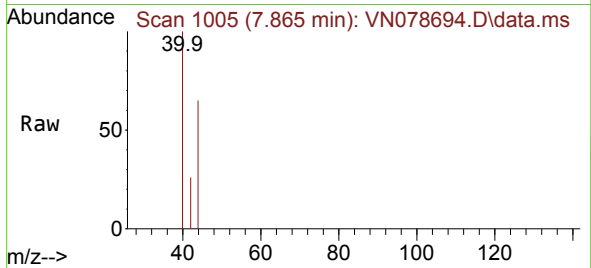




#29
Tetrahydrofuran
Concen: 0.329 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.018 min
Lab File: VN078694.D
Acq: 28 Jul 2023 18:55

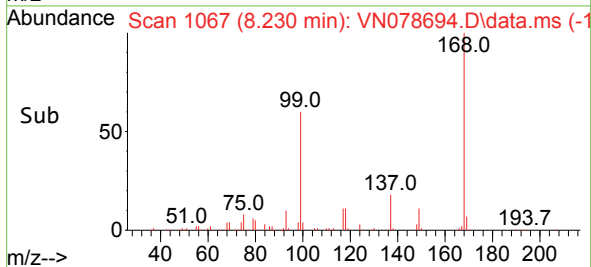
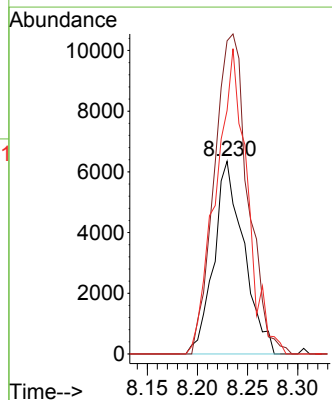
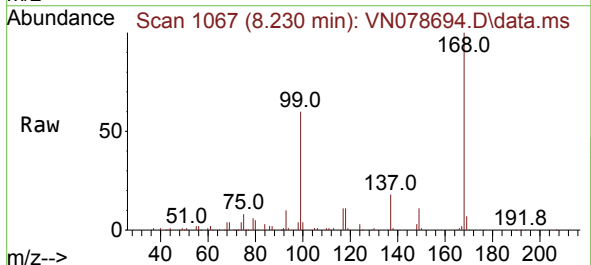
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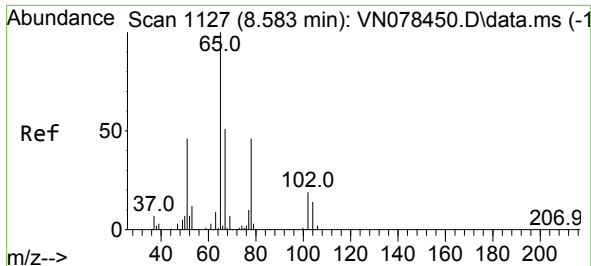
Tgt Ion: 42 Resp: 923
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 7.5 47.4 71.2#



#31
Cyclohexane
Concen: 1.118 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078694.D
Acq: 28 Jul 2023 18:55

Tgt Ion: 56 Resp: 13170
Ion Ratio Lower Upper
56 100
69 162.5 26.8 40.2#
84 126.4 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 48.495 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078694.D

Acq: 28 Jul 2023 18:55

Instrument :

MSVOA_N

ClientSampleId :

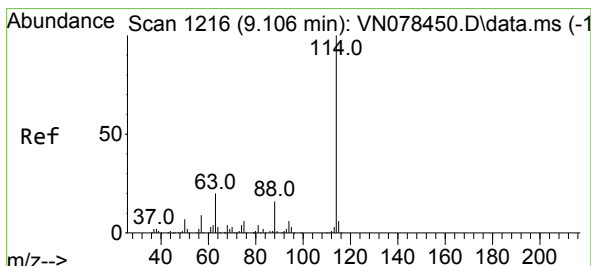
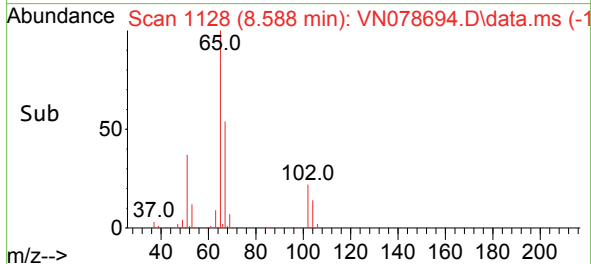
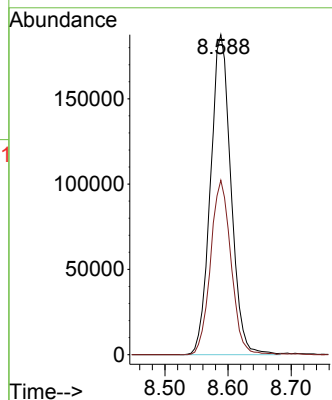
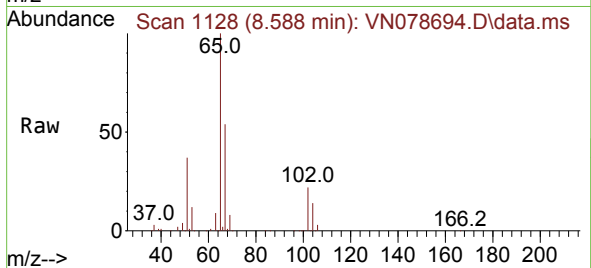
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 65 Resp: 422542

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078694.D

Acq: 28 Jul 2023 18:55

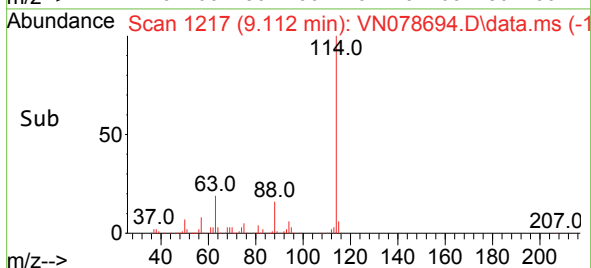
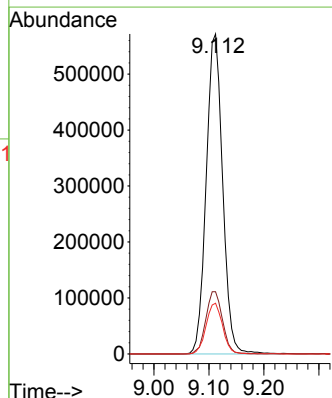
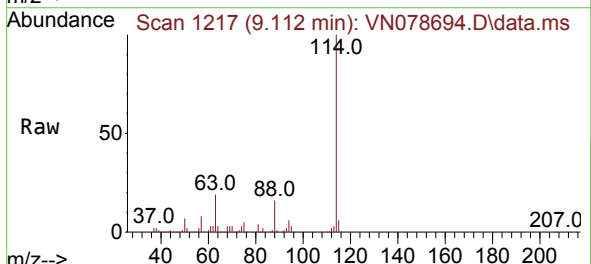
Tgt Ion: 114 Resp: 1186669

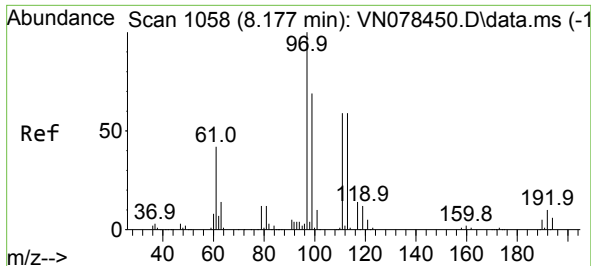
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 15.8 0.0 30.6

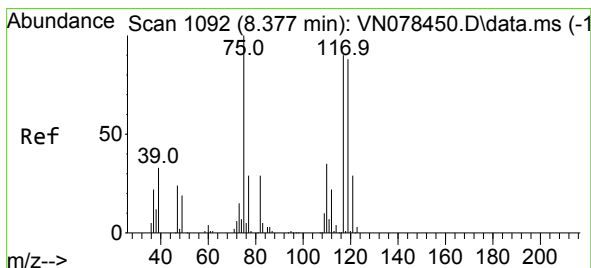
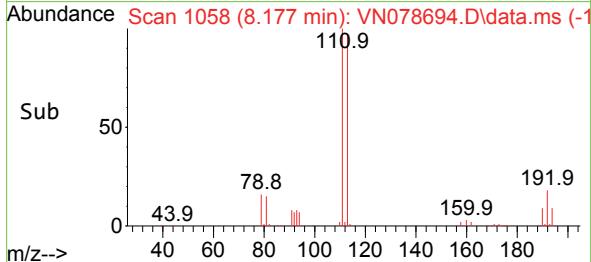
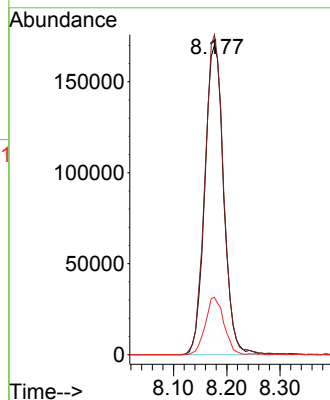
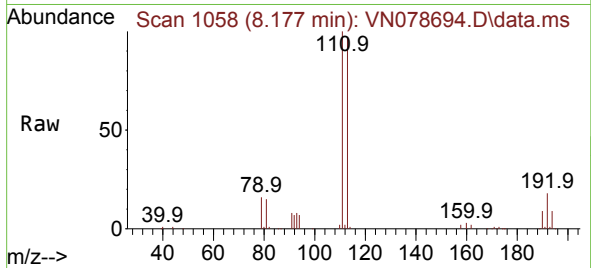




#35
Dibromofluoromethane
Concen: 52.042 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078694.D
Acq: 28 Jul 2023 18:55

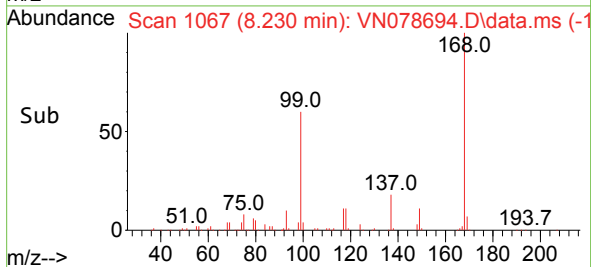
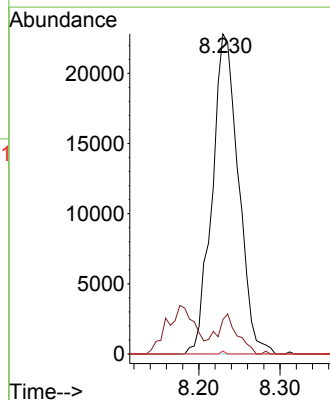
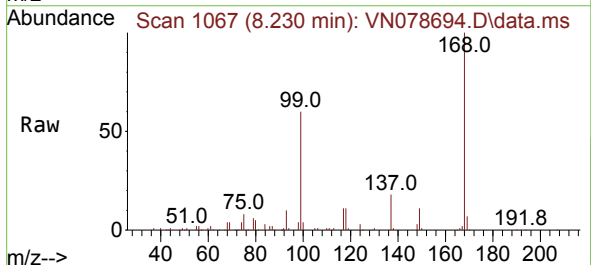
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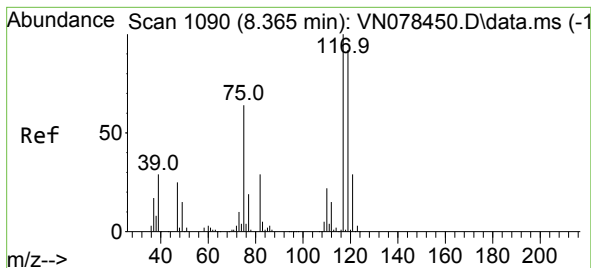
Tgt Ion:113 Resp: 419221
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 18.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.423 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078694.D
Acq: 28 Jul 2023 18:55

Tgt Ion: 75 Resp: 51448
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.354 ug/l

RT: 8.235 min Scan# 110

Delta R.T. -0.130 min

Lab File: VN078694.D

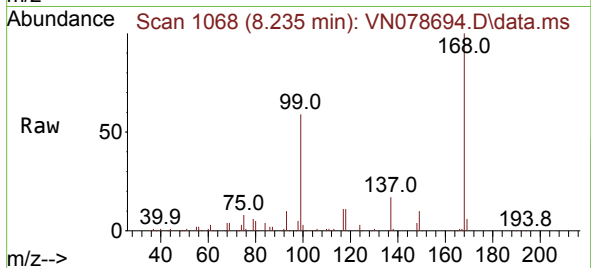
Acq: 28 Jul 2023 18:55

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4



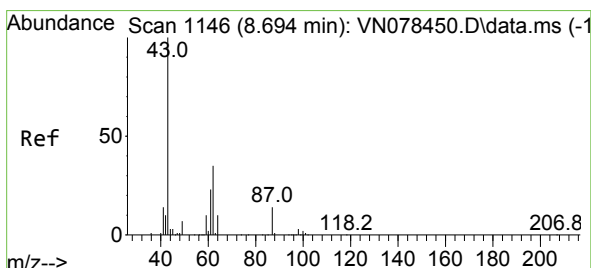
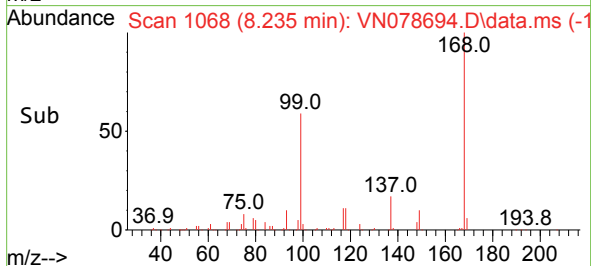
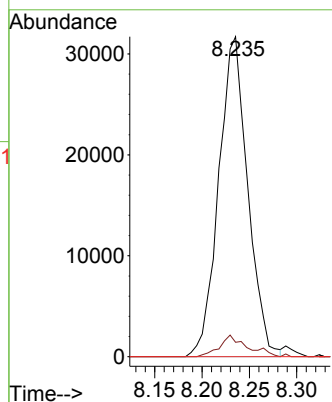
Tgt Ion:117 Resp: 67678

Ion Ratio Lower Upper

117 100

119 4.5 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 1.138 ug/l

RT: 8.718 min Scan# 1150

Delta R.T. 0.024 min

Lab File: VN078694.D

Acq: 28 Jul 2023 18:55

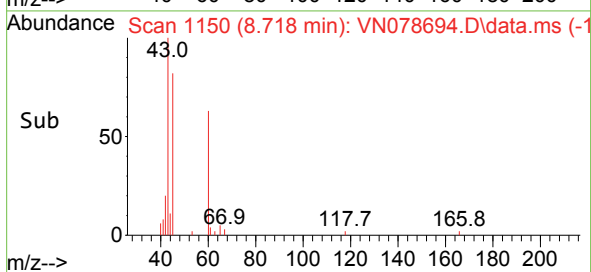
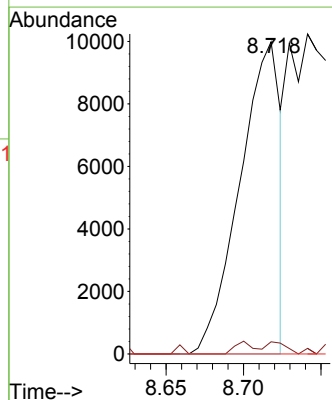
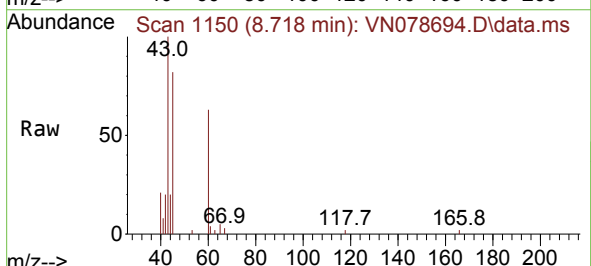
Tgt Ion: 43 Resp: 18164

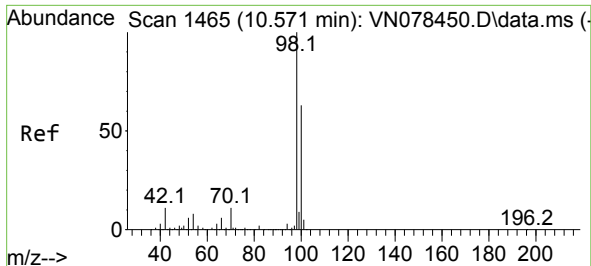
Ion Ratio Lower Upper

43 100

61 1.8 24.7 37.1#

87 0.0 14.6 21.8#

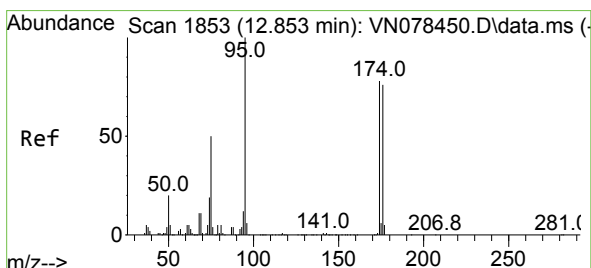
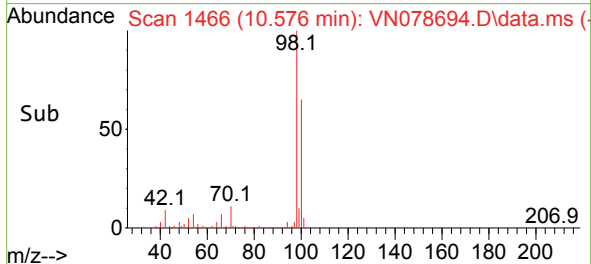
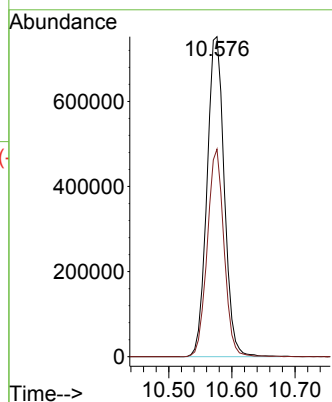
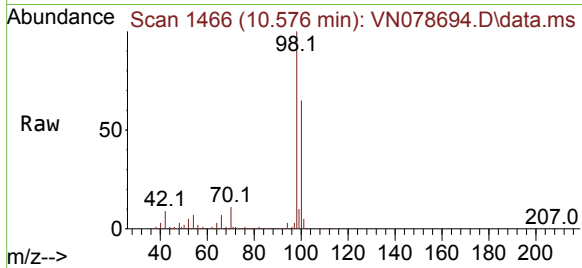




#50
Toluene-d8
Concen: 46.911 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN078694.D
Acq: 28 Jul 2023 18:55

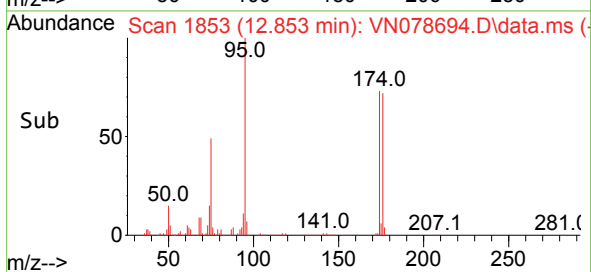
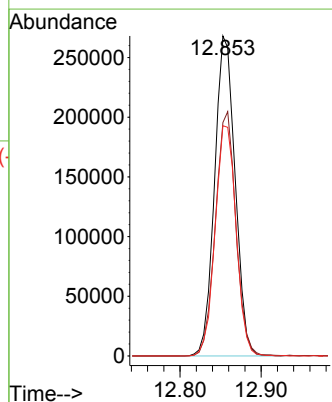
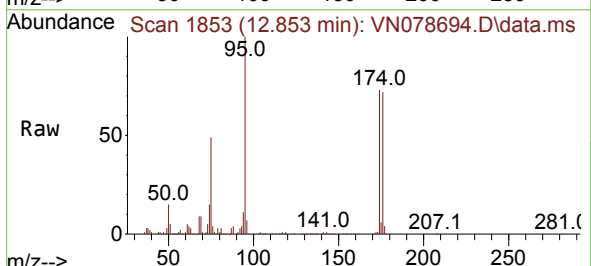
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

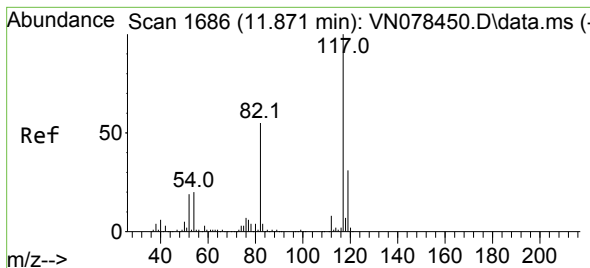
Tgt Ion: 98 Resp: 1427570
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 50.260 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078694.D
Acq: 28 Jul 2023 18:55

Tgt Ion: 95 Resp: 471106
Ion Ratio Lower Upper
95 100
174 76.1 0.0 143.8
176 73.5 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078694.D

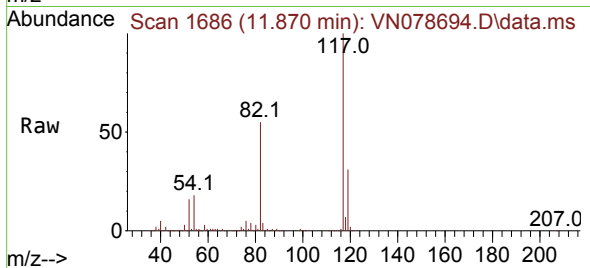
Acq: 28 Jul 2023 18:55

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4



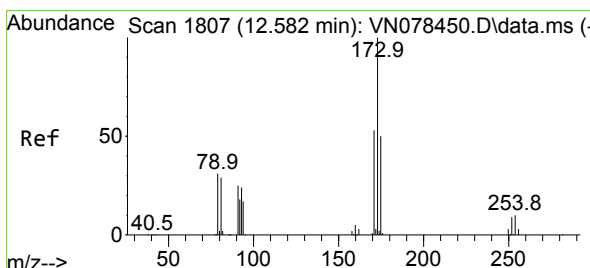
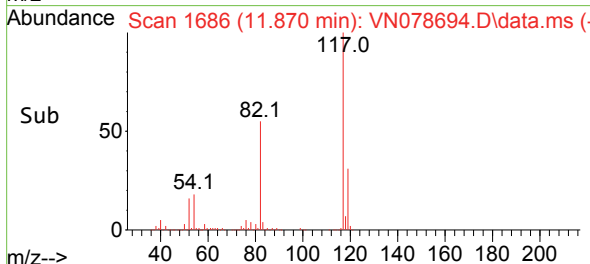
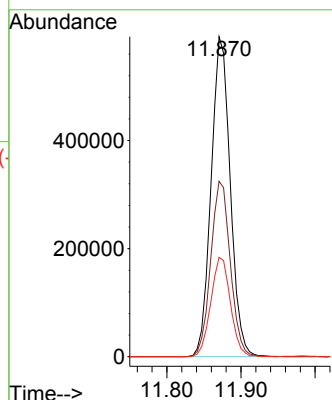
Tgt Ion:117 Resp: 1061726

Ion Ratio Lower Upper

117 100

82 54.8 44.0 66.0

119 31.1 25.6 38.4



#71

Bromoform

Concen: 0.340 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN078694.D

Acq: 28 Jul 2023 18:55

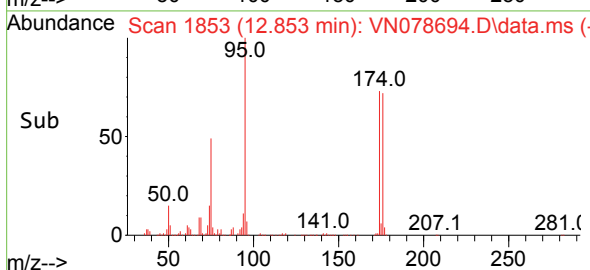
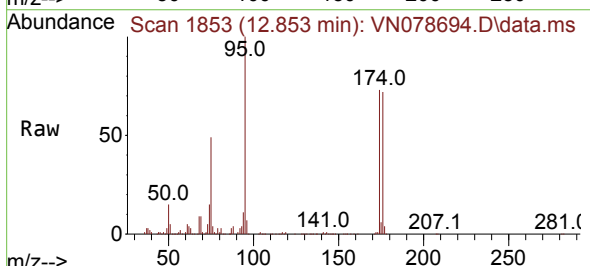
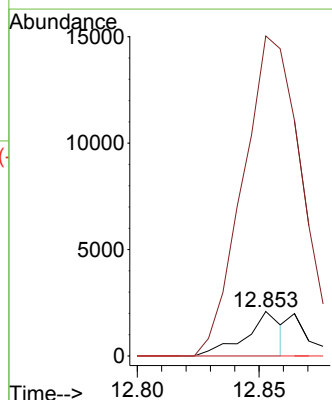
Tgt Ion:173 Resp: 2104

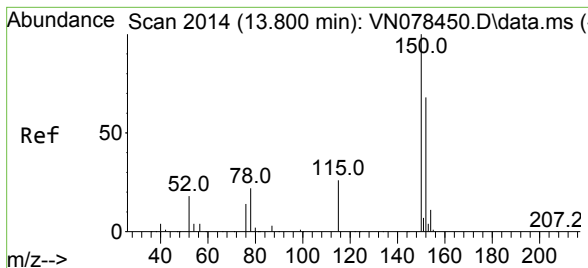
Ion Ratio Lower Upper

173 100

175 850.3 24.3 73.0#

254 0.0 0.0 0.0

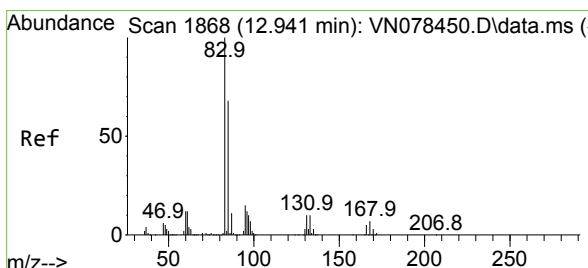
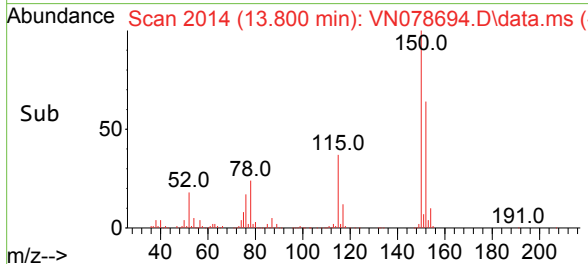
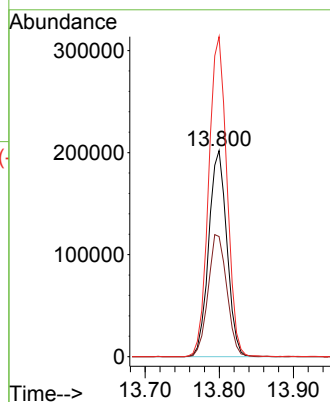
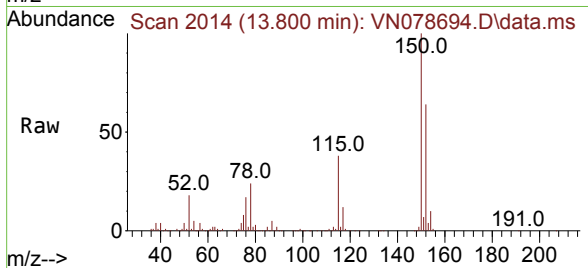




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN078694.D
 Acq: 28 Jul 2023 18:55

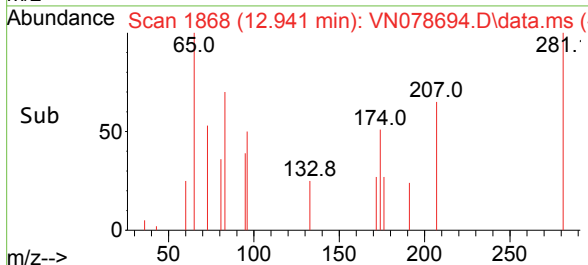
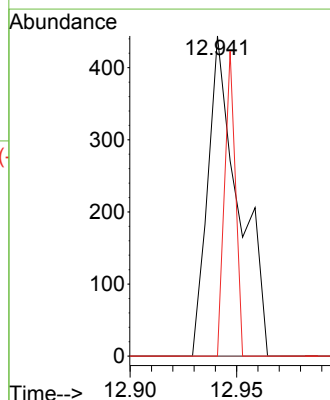
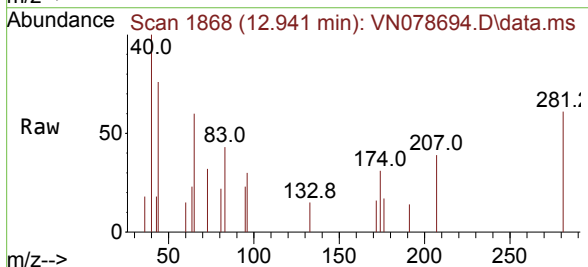
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

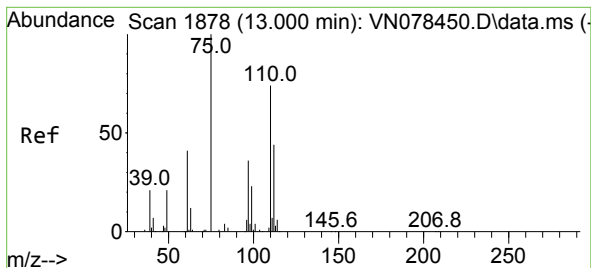
Tgt Ion:152 Resp: 343375
 Ion Ratio Lower Upper
 152 100
 115 61.2 32.3 96.8
 150 155.9 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.941 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: VN078694.D
 Acq: 28 Jul 2023 18:55

Tgt Ion: 83 Resp: 448
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 33.3 31.9 95.7





#76

1,2,3-Trichloropropane

Concen: 27.280 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078694.D

Acq: 28 Jul 2023 18:55

Instrument :

MSVOA_N

ClientSampleId :

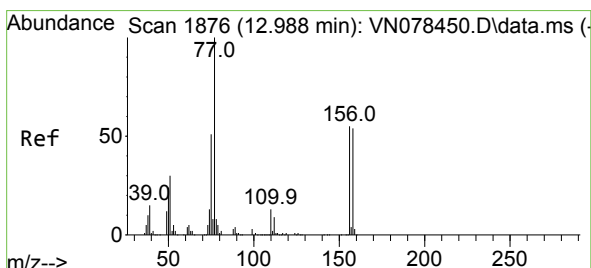
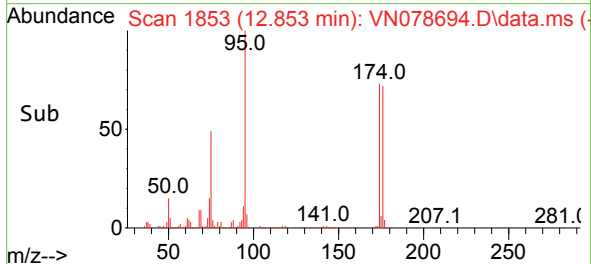
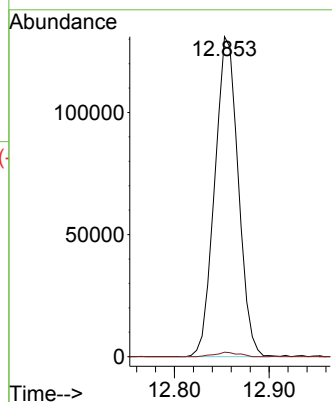
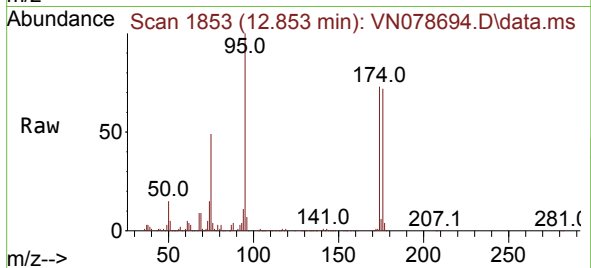
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 226422

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#77

Bromobenzene

Concen: Below Cal

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN078694.D

Acq: 28 Jul 2023 18:55

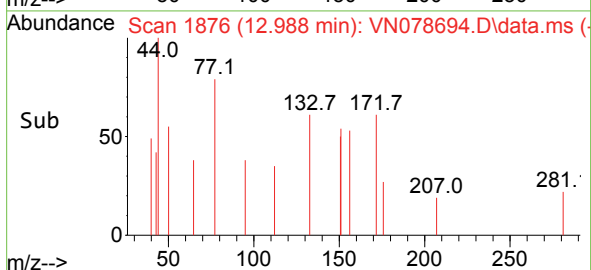
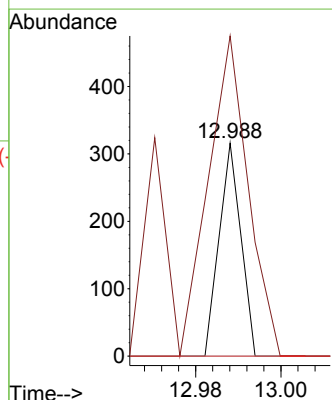
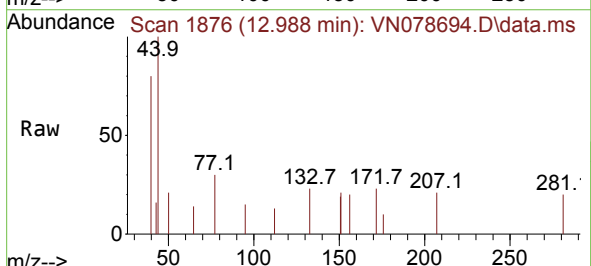
Tgt Ion:156 Resp: 111

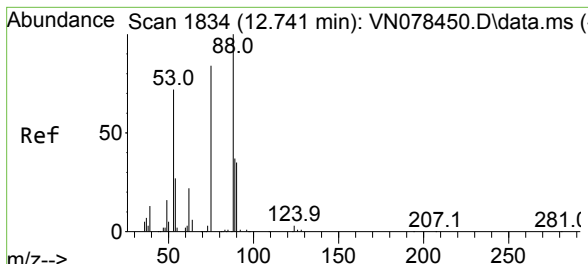
Ion Ratio Lower Upper

156 100

77 381.1 107.7 323.3#

158 0.0 48.4 145.3#

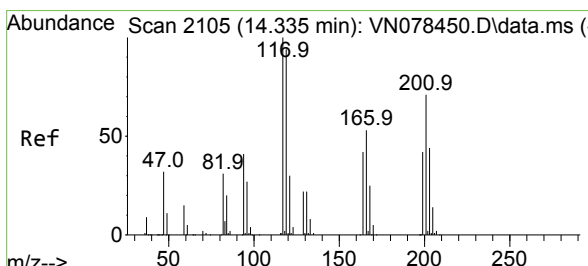
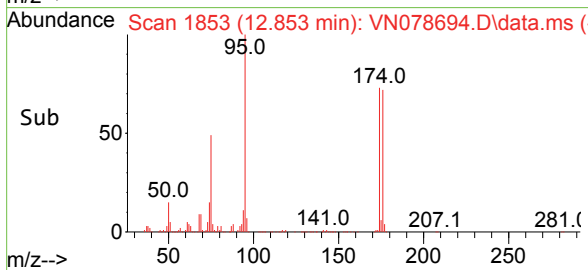
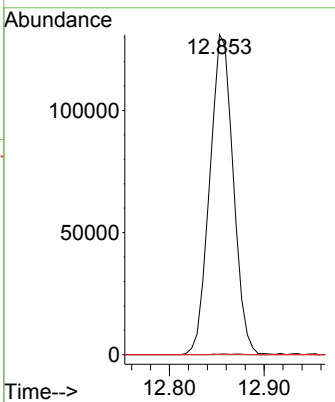
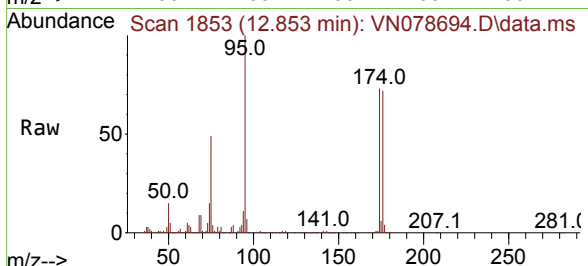




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.688 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078694.D
 Acq: 28 Jul 2023 18:55

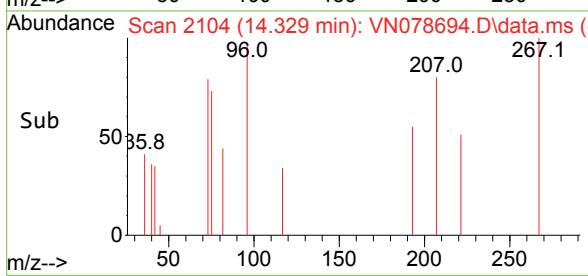
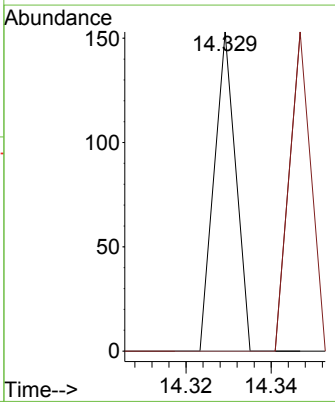
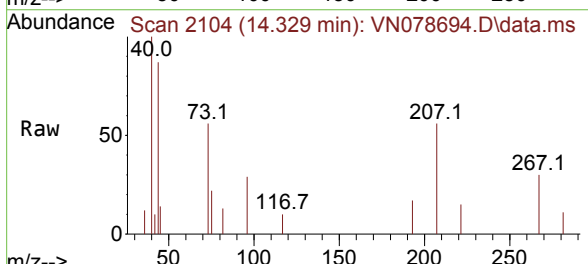
Instrument : MSVOA_N
 ClientSampleId : STORAGE-BLANK-WATER-REF-4

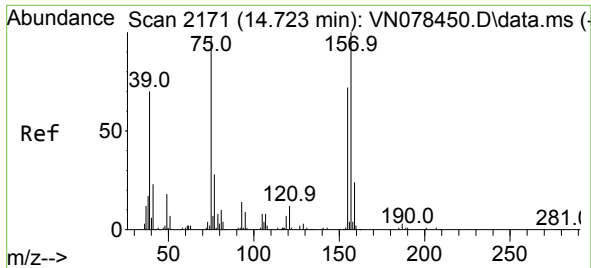
Tgt Ion:	75	Resp:	226422
Ion Ratio	Lower	Upper	
75	100		
53	0.2	67.4	101.2#
89	0.1	38.8	58.2#



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 14.329 min Scan# 2104
 Delta R.T. -0.006 min
 Lab File: VN078694.D
 Acq: 28 Jul 2023 18:55

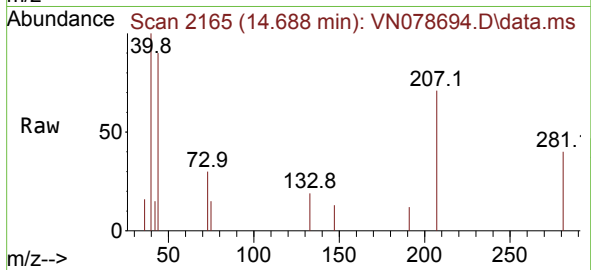
Tgt Ion:	117	Resp:	54
Ion Ratio	Lower	Upper	
117	100		
201	100.0	29.3	88.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.688 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: VN078694.D
 Acq: 28 Jul 2023 18:55

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



Tgt Ion: 75 Resp: 67
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#

