

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078516.D
 Acq On : 14 Jul 2023 12:45
 Operator : JC\MD
 Sample : 03624-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jul 15 04:00:10 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)

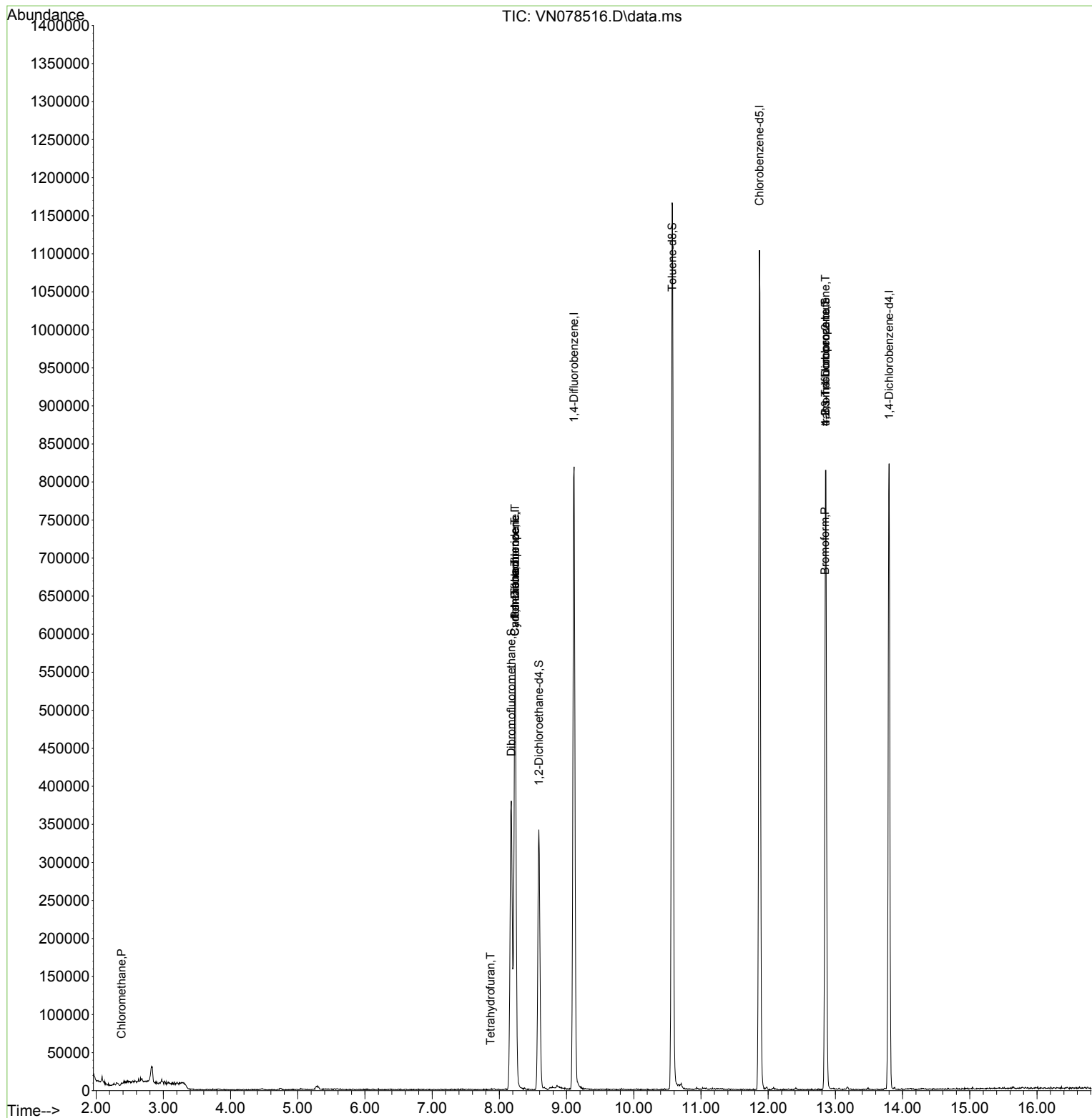
Internal Standards						
1) Pentafluorobenzene	8.235	168	412181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	730703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	675115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	225781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	274361	49.652	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.300%
35) Dibromofluoromethane	8.177	113	279439	56.336	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.680%
50) Toluene-d8	10.571	98	853645	45.556	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.120%
62) 4-Bromofluorobenzene	12.853	95	291093	50.434	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.860%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	2494	0.454	ug/l	92
5) Bromomethane	2.971	94	1138	Below Cal		89
6) Chloroethane	3.130	64	70	Below Cal	#	1
20) Methylene Chloride	5.294	84	3503	Below Cal	#	81
29) Tetrahydrofuran	7.871	42	409	0.230	ug/l #	20
31) Cyclohexane	8.229	56	9315	1.247	ug/l #	54
36) 1,1-Dichloropropene	8.235	75	32545	4.544	ug/l #	50
38) Carbon Tetrachloride	8.229	117	43643	5.607	ug/l #	14
71) Bromoform	12.847	173	1609	0.409	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	172	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	150583	27.592	ug/l #	1
77) Bromobenzene	12.982	156	149	Below Cal	#	36
81) trans-1,4-Dichloro-2-b...	12.853	75	150583	72.508	ug/l #	15
94) Hexachlorobutadiene	15.511	225	68	Below Cal	#	19

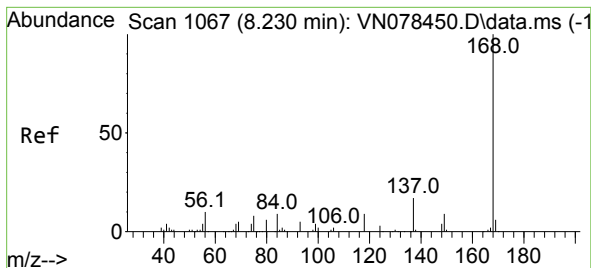
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
Data File : VN078516.D
Acq On : 14 Jul 2023 12:45
Operator : JC\MD
Sample : 03624-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jul 15 04:00:10 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: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078516.D

Acq: 14 Jul 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

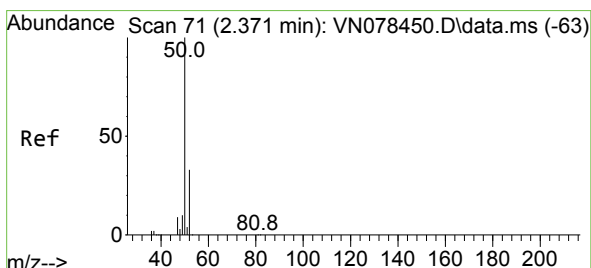
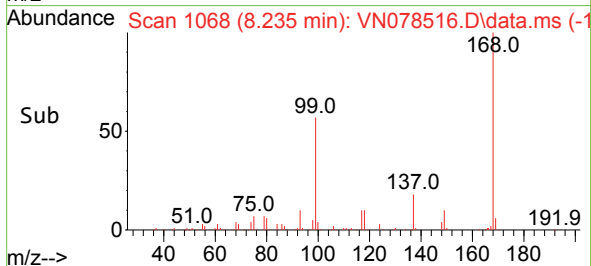
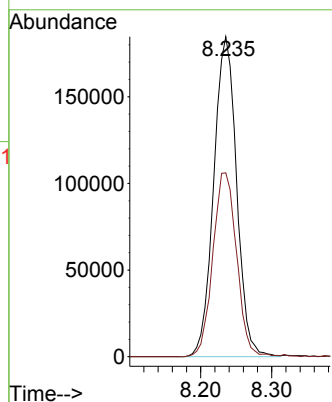
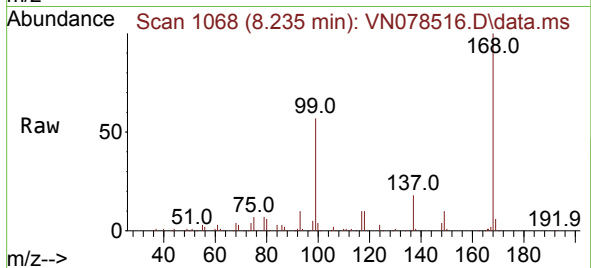
STORAGE-BLANK-WATER-REF-4

Tgt Ion:168 Resp: 412181

Ion Ratio Lower Upper

168 100

99 57.5 53.0 79.6



#3

Chloromethane

Concen: 0.454 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078516.D

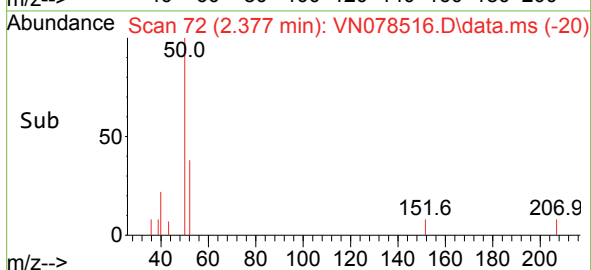
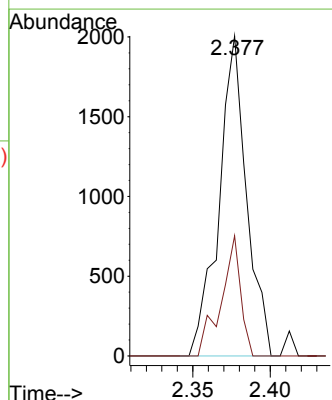
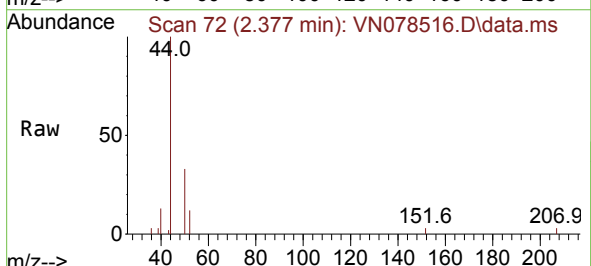
Acq: 14 Jul 2023 12:45

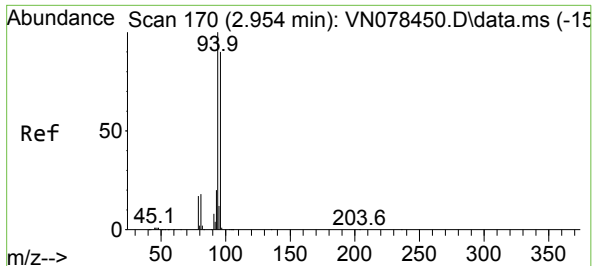
Tgt Ion: 50 Resp: 2494

Ion Ratio Lower Upper

50 100

52 37.5 26.5 39.7

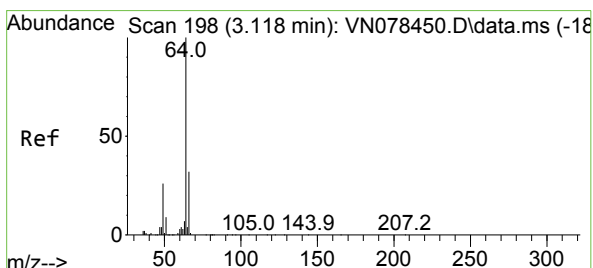
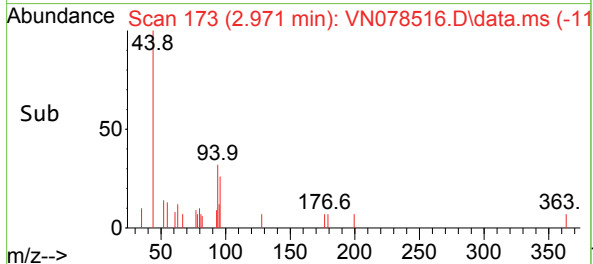
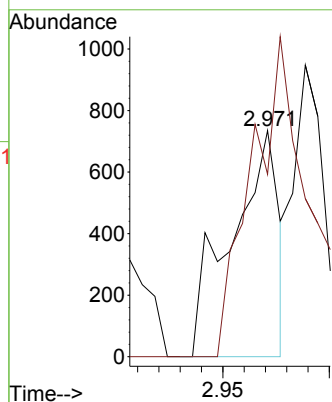
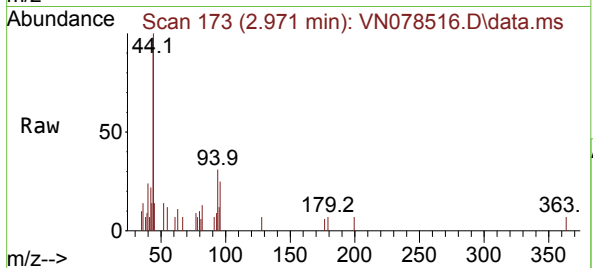




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

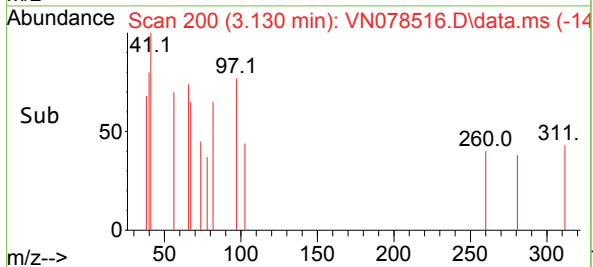
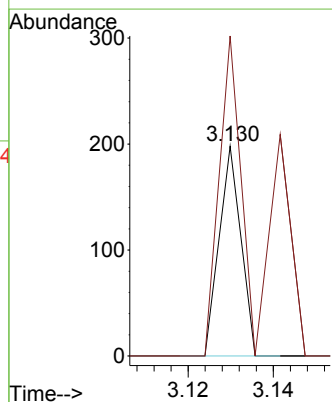
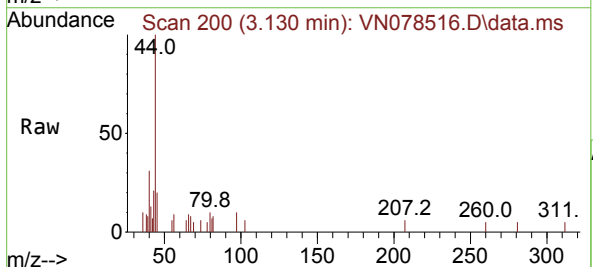
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

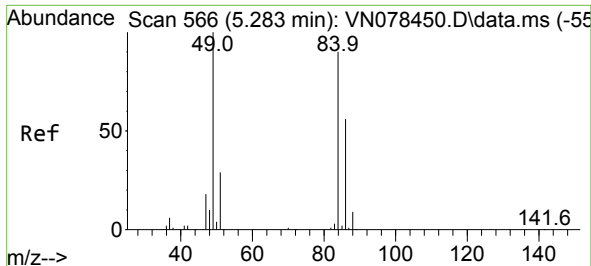
Tgt Ion: 94 Resp: 1138
Ion Ratio Lower Upper
94 100
96 80.7 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

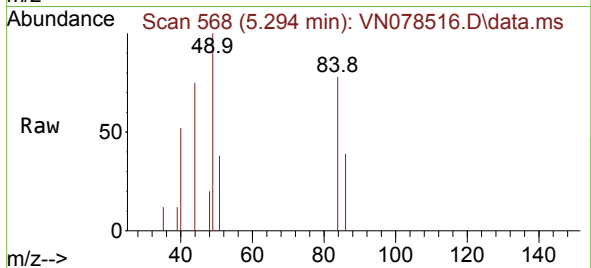
Tgt Ion: 64 Resp: 70
Ion Ratio Lower Upper
64 100
66 152.5 25.4 38.2#



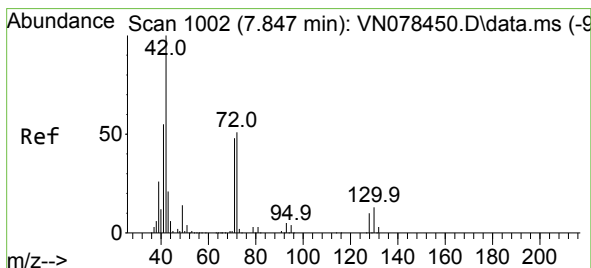
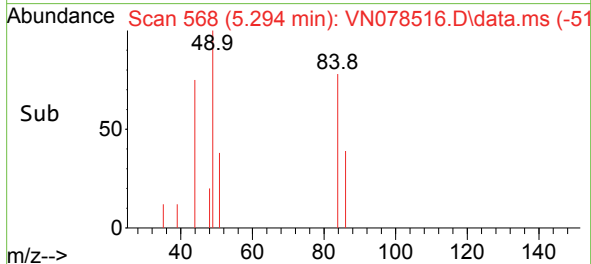
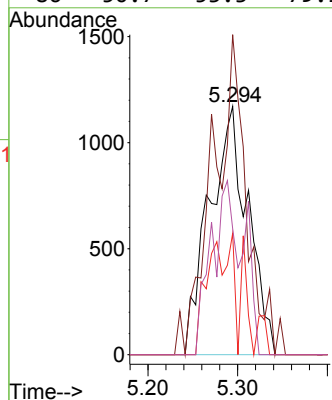


#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

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

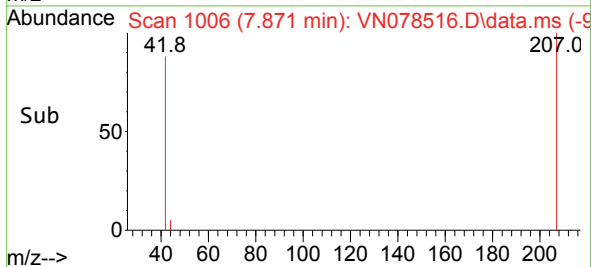
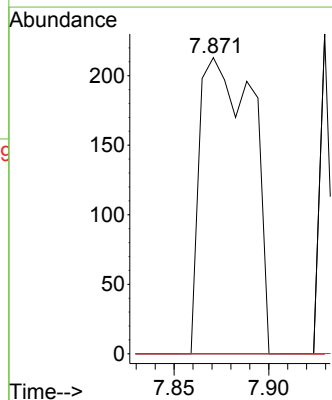
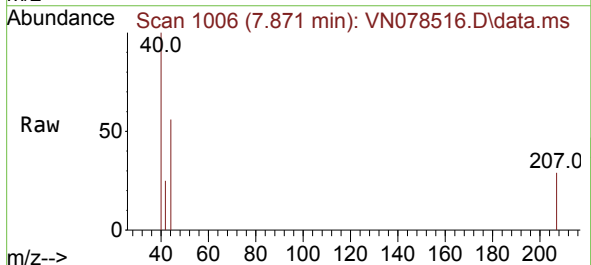


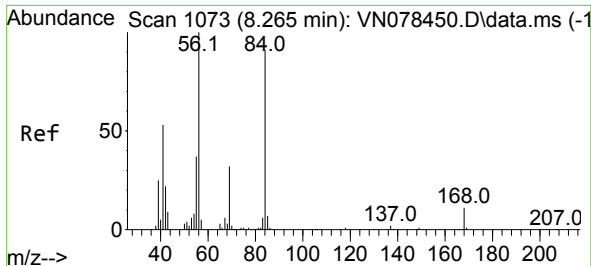
Tgt Ion:	84	Resp:	3503
Ion	Ratio	Lower	Upper
84	100		
49	114.3	79.7	119.5
51	48.9	25.2	37.8#
86	50.7	53.3	79.9#



#29
Tetrahydrofuran
Concen: 0.230 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. 0.024 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

Tgt Ion:	42	Resp:	409
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#

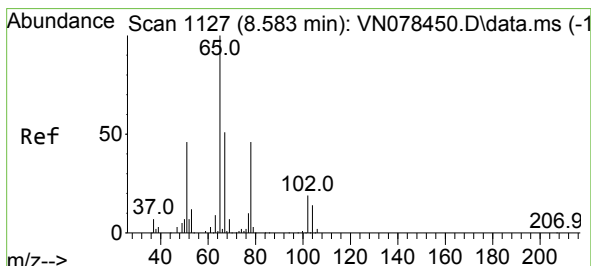
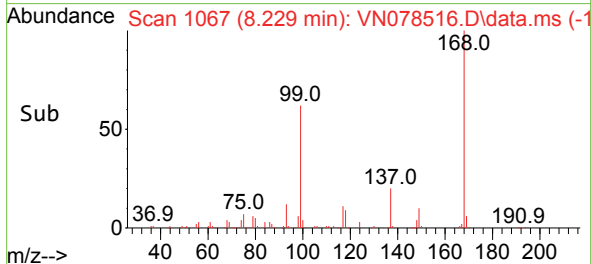
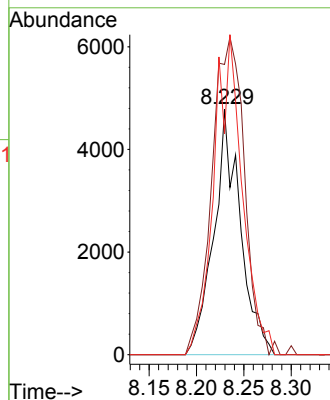
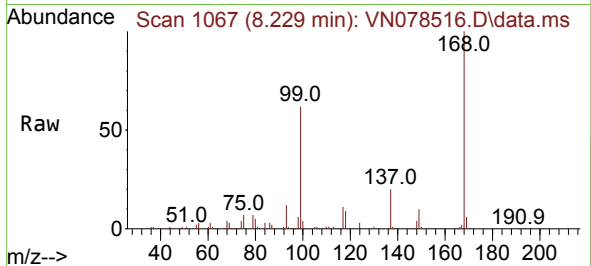




#31
Cyclohexane
Concen: 1.247 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

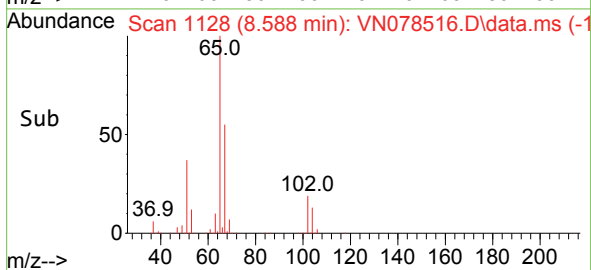
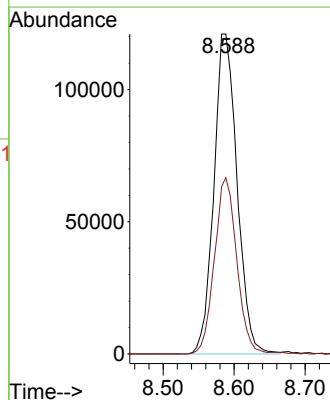
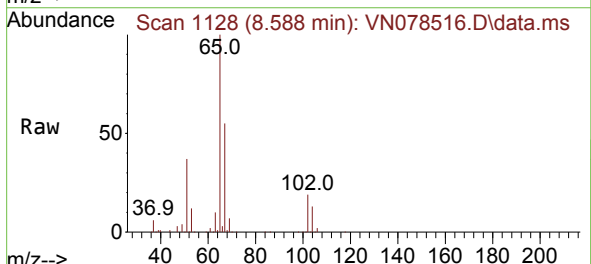
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

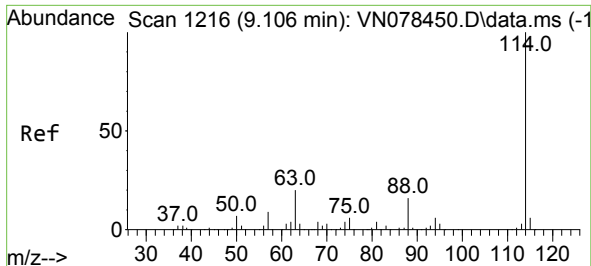
Tgt Ion: 56 Resp: 9315
Ion Ratio Lower Upper
56 100
69 118.3 26.8 40.2#
84 90.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 49.652 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

Tgt Ion: 65 Resp: 274361
Ion Ratio Lower Upper
65 100
67 53.2 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: VN078516.D

Acq: 14 Jul 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

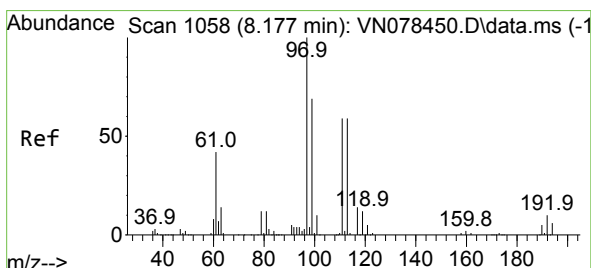
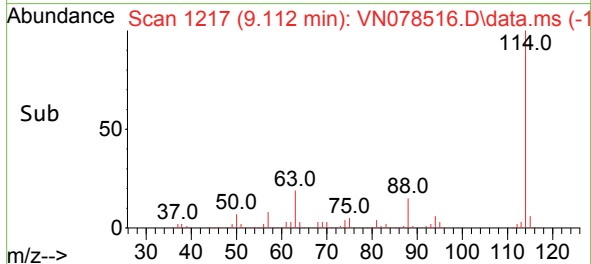
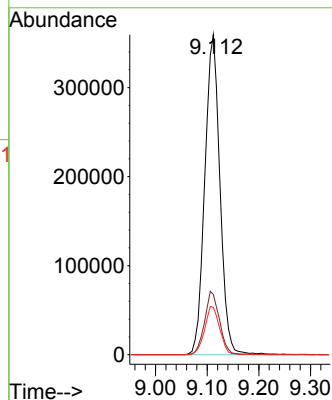
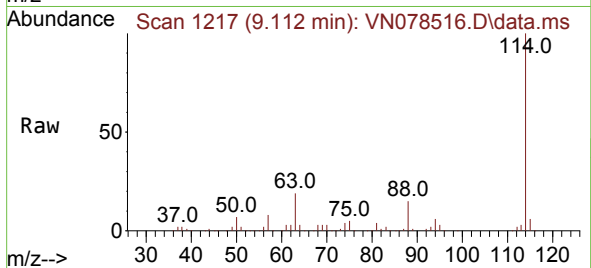
Tgt Ion:114 Resp: 730703

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.336 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078516.D

Acq: 14 Jul 2023 12:45

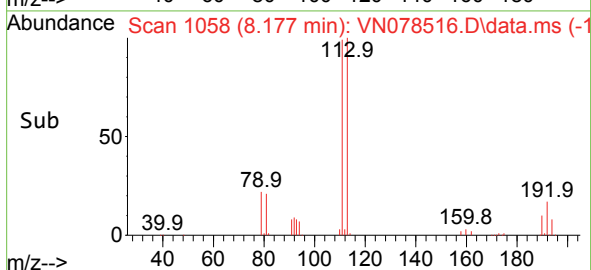
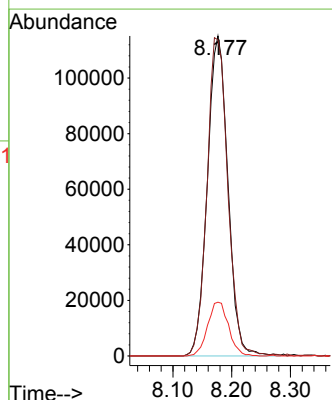
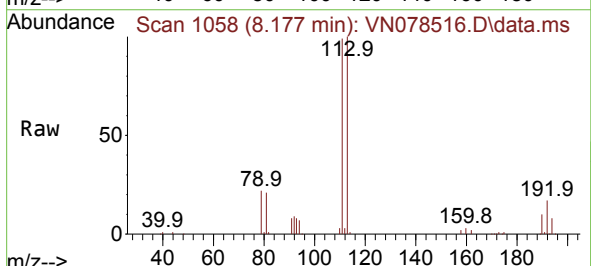
Tgt Ion:113 Resp: 279439

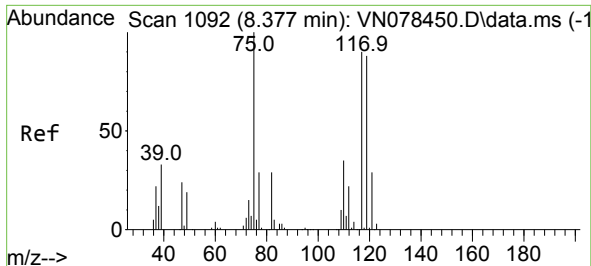
Ion Ratio Lower Upper

113 100

111 100.4 82.6 123.8

192 17.1 12.7 19.1

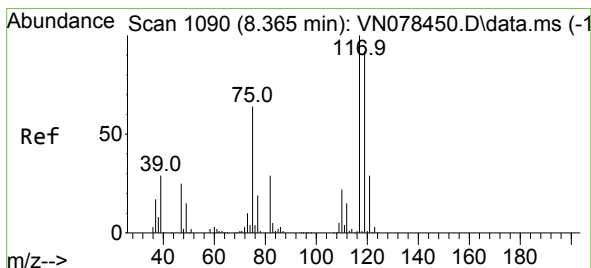
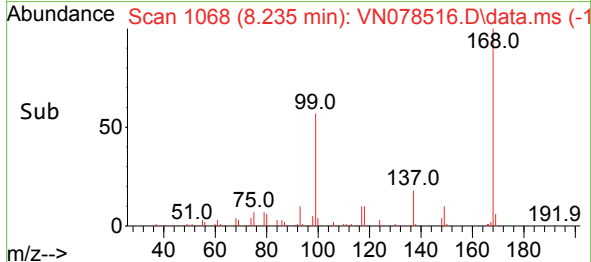
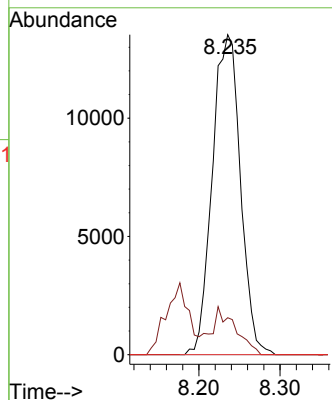
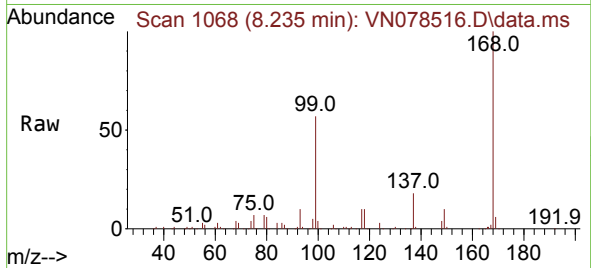




#36
1,1-Dichloropropene
Concen: 4.544 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

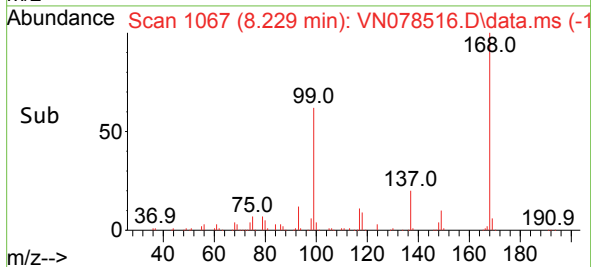
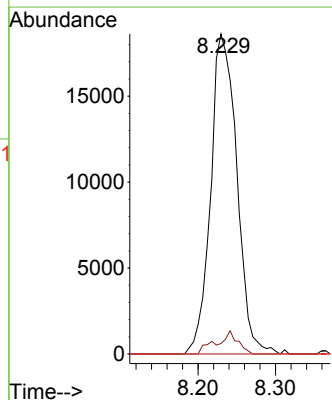
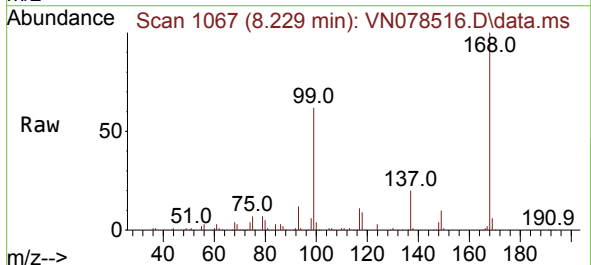
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-WATER-REF-4

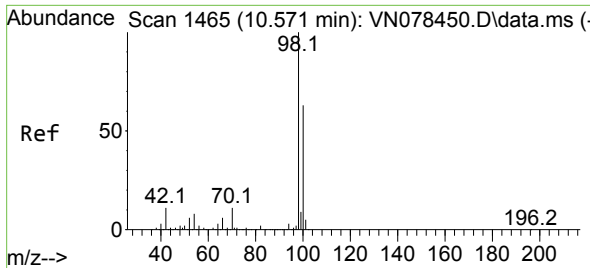
Tgt Ion: 75 Resp: 32545
Ion Ratio Lower Upper
75 100
110 11.1 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.607 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.136 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

Tgt Ion: 117 Resp: 43643
Ion Ratio Lower Upper
117 100
119 3.2 77.3 115.9#
121 0.0 23.3 34.9#

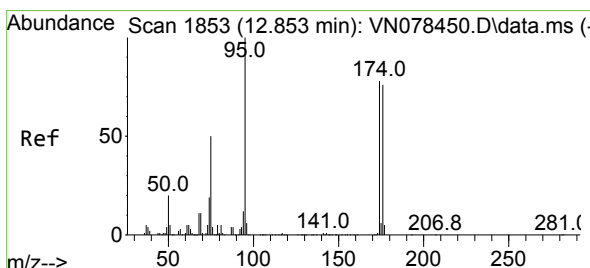
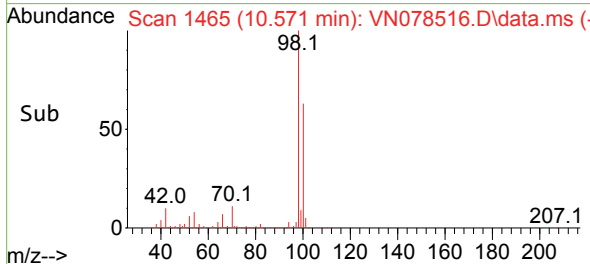
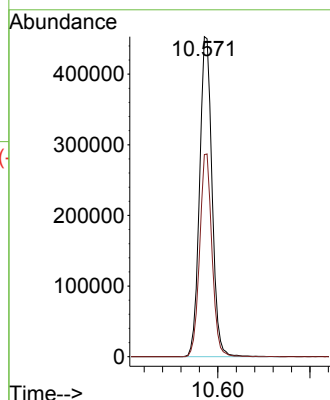
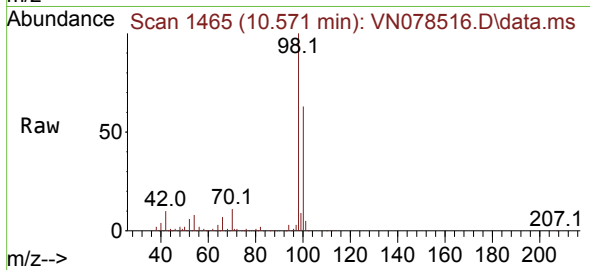




#50
Toluene-d8
Concen: 45.556 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

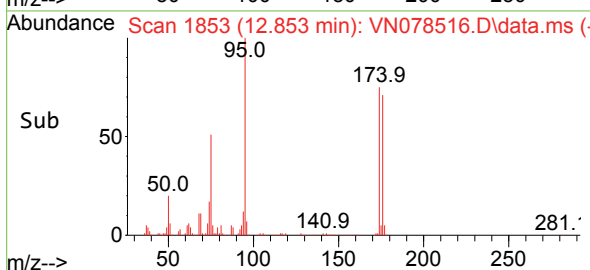
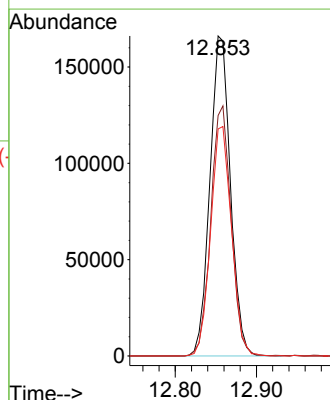
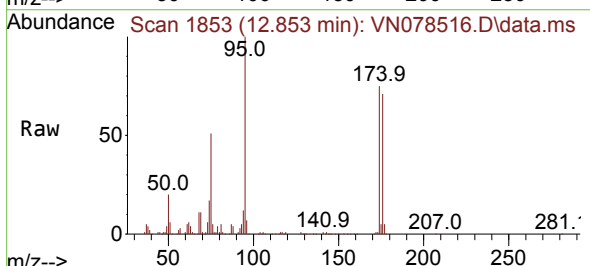
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-WATER-REF-4

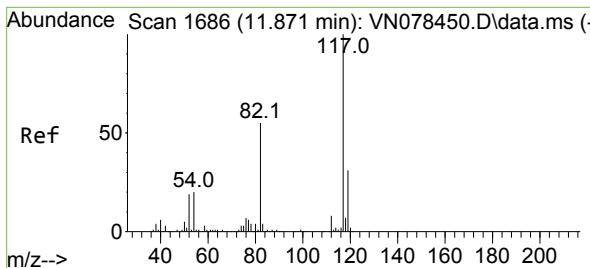
Tgt Ion: 98 Resp: 853645
Ion Ratio Lower Upper
98 100
100 62.5 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 50.434 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

Tgt Ion: 95 Resp: 291093
Ion Ratio Lower Upper
95 100
174 77.5 0.0 143.8
176 73.2 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: VN078516.D

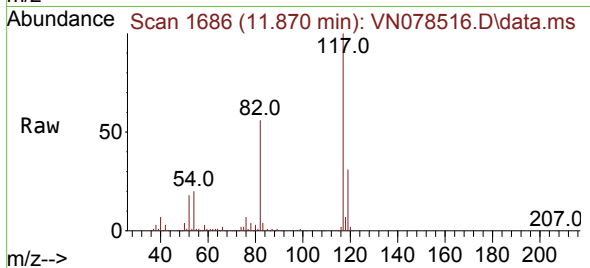
Acq: 14 Jul 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4



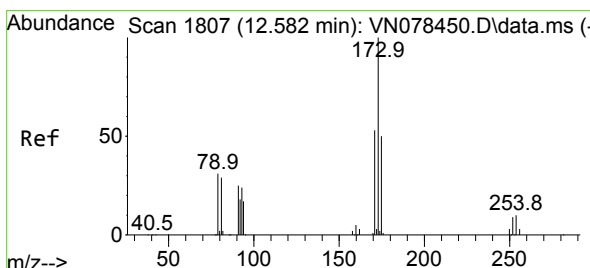
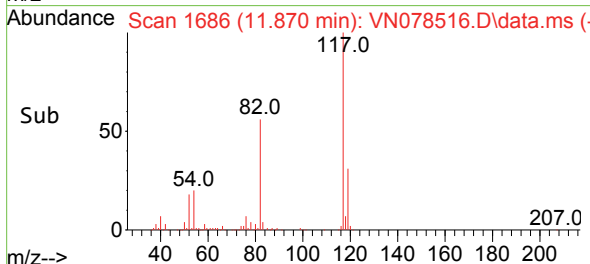
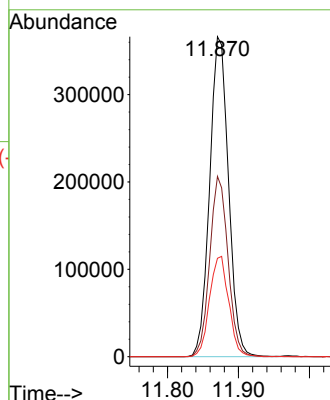
Tgt Ion:117 Resp: 675115

Ion Ratio Lower Upper

117 100

82 56.4 44.0 66.0

119 30.7 25.6 38.4



#71

Bromoform

Concen: 0.409 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN078516.D

Acq: 14 Jul 2023 12:45

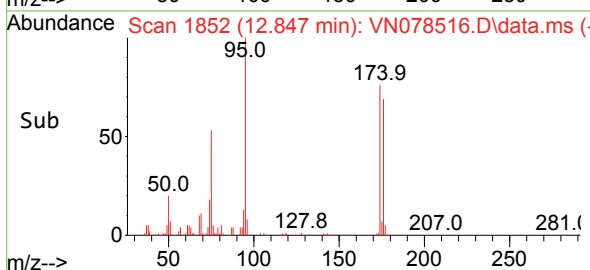
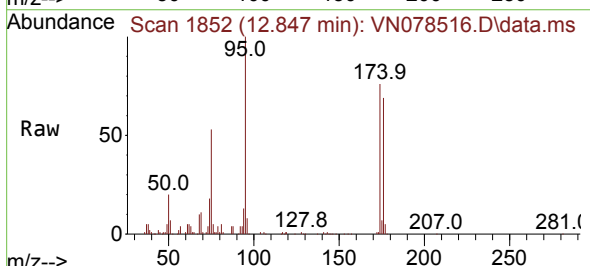
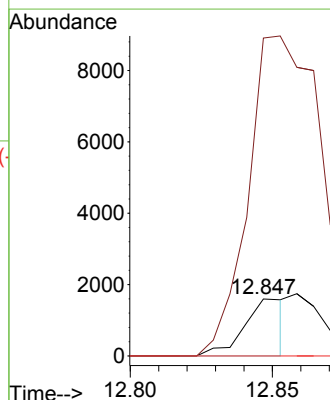
Tgt Ion:173 Resp: 1609

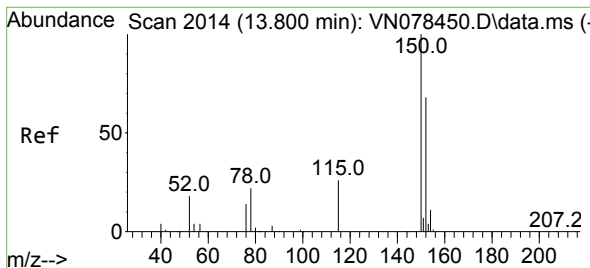
Ion Ratio Lower Upper

173 100

175 702.5 24.3 73.0#

254 0.0 0.0 0.0

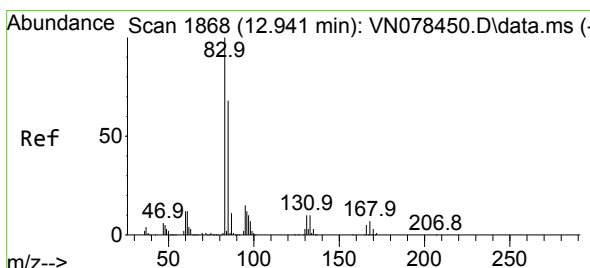
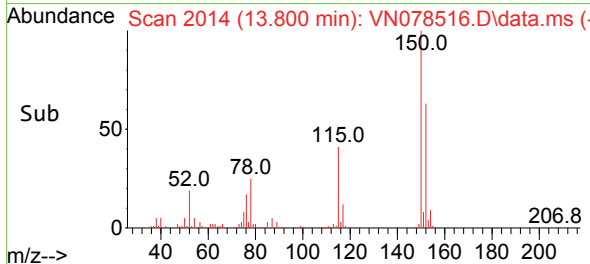
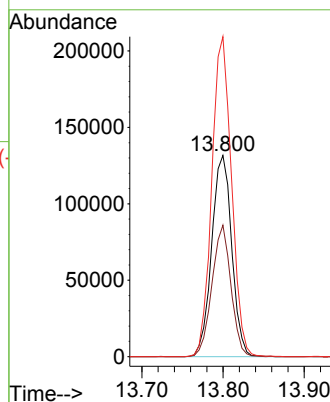
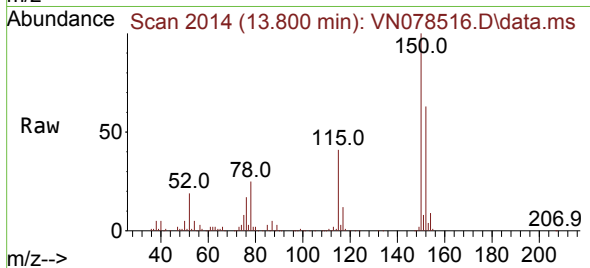




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

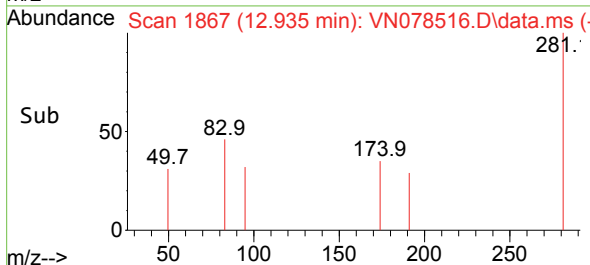
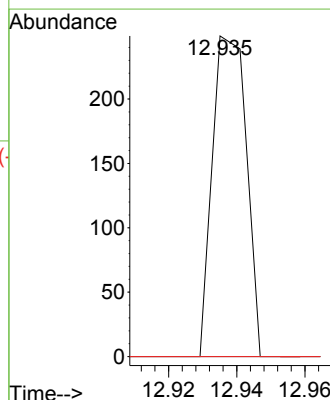
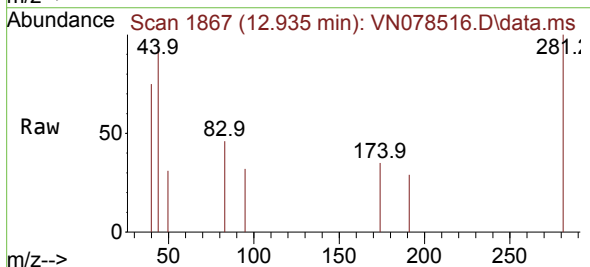
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

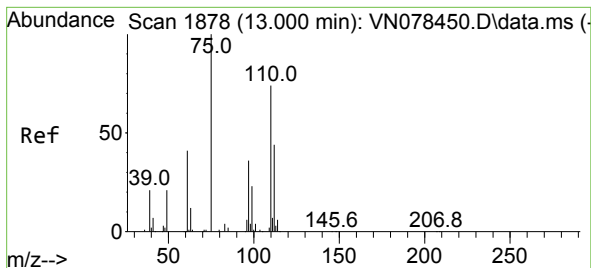
Tgt Ion:152 Resp: 225781
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 156.2 0.0 355.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

Tgt Ion: 83 Resp: 172
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: 27.592 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078516.D

Acq: 14 Jul 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

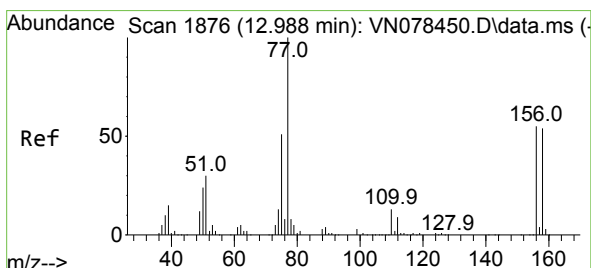
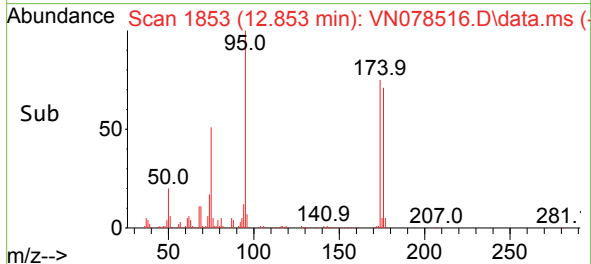
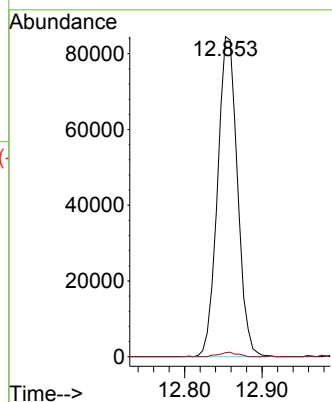
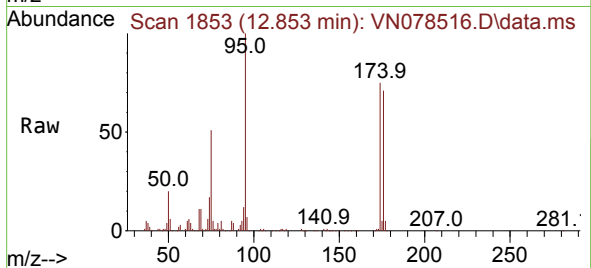
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 150583

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#77

Bromobenzene

Concen: Below Cal

RT: 12.982 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VN078516.D

Acq: 14 Jul 2023 12:45

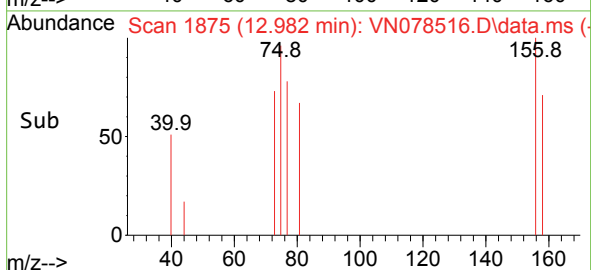
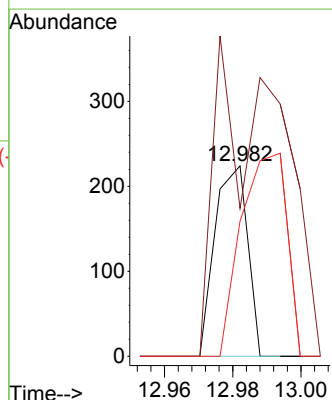
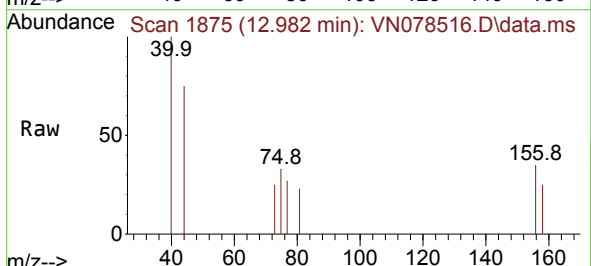
Tgt Ion:156 Resp: 149

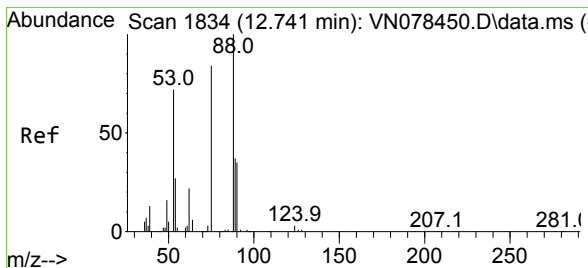
Ion Ratio Lower Upper

156 100

77 324.8 107.7 323.3#

158 149.0 48.4 145.3#

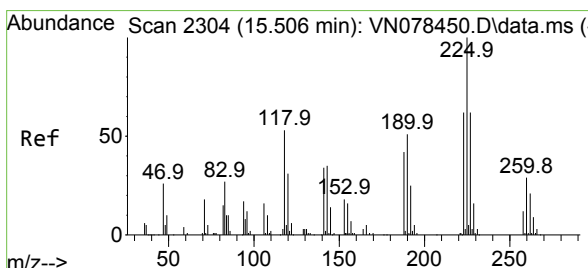
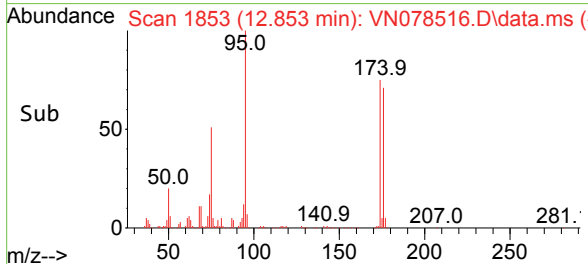
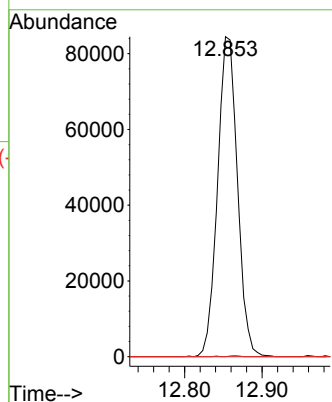
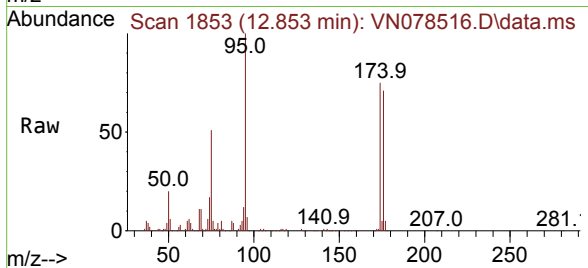




#81
trans-1,4-Dichloro-2-butene
Concen: 72.508 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

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

Tgt Ion: 75 Resp: 150583
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.511 min Scan# 2305
Delta R.T. 0.005 min
Lab File: VN078516.D
Acq: 14 Jul 2023 12:45

Tgt Ion: 225 Resp: 68
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.8#
227 0.0 31.9 95.9#

