

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062123\
 Data File : VN078322.D
 Acq On : 21 Jun 2023 15:10
 Operator : JC\MD
 Sample : 03359-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OWBR-03-128-148-062023

Quant Time: Jun 22 04:50:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

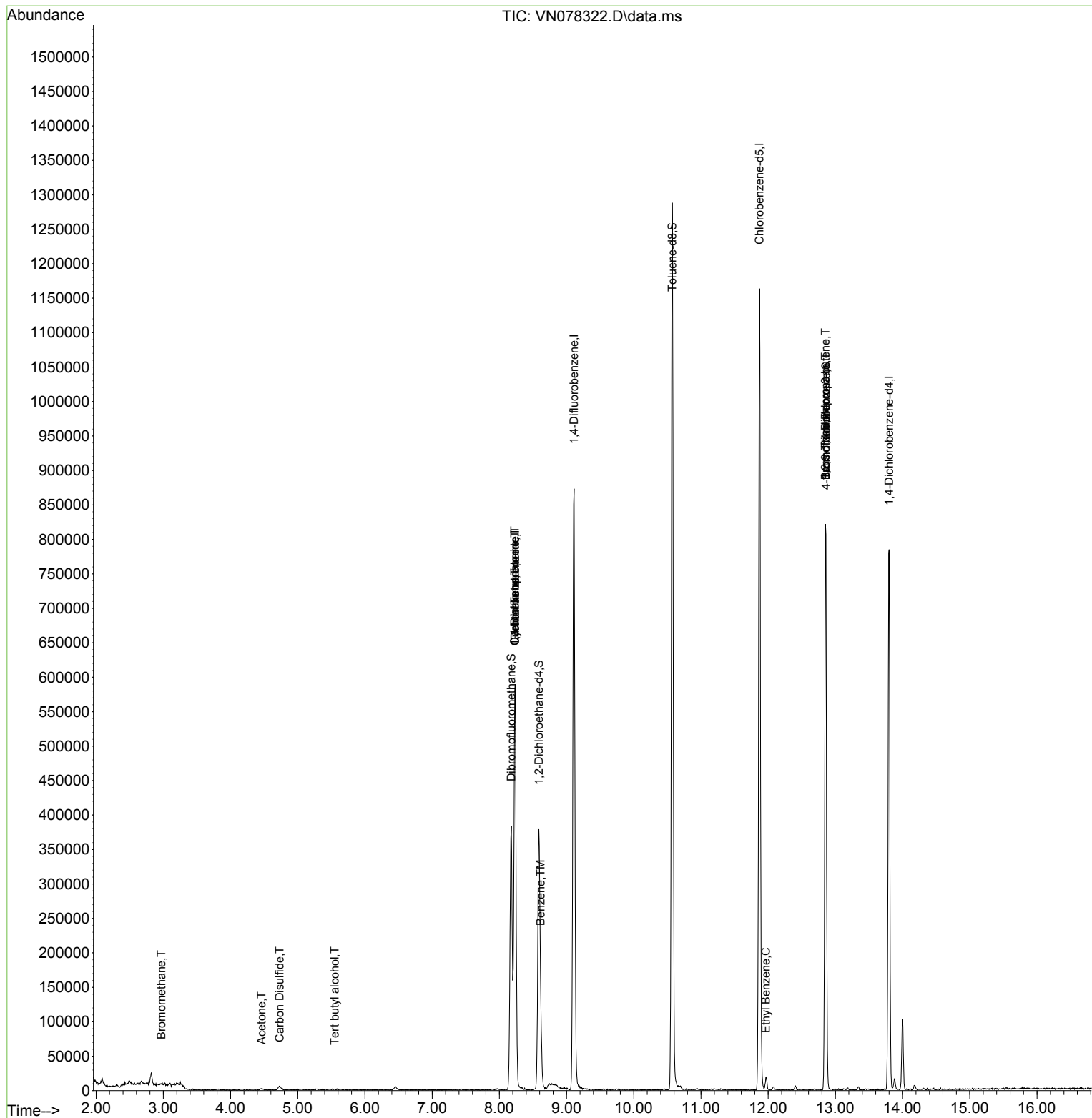
Internal Standards							
1) Pentafluorobenzene		8.235	168	417660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		9.112	114	782304	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.871	117	707497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.800	152	217043	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.588	65	298401	53.586	ug/l	0.00
Spiked Amount 50.000		Range	74 - 125	Recovery	= 107.180%		
35) Dibromofluoromethane		8.177	113	274437	55.482	ug/l	0.00
Spiked Amount 50.000		Range	75 - 124	Recovery	= 110.960%		
50) Toluene-d8		10.571	98	925814	48.551	ug/l	0.00
Spiked Amount 50.000		Range	86 - 113	Recovery	= 97.100%		
62) 4-Bromofluorobenzene		12.859	95	294393	49.661	ug/l	0.00
Spiked Amount 50.000		Range	83 - 123	Recovery	= 99.320%		
Target Compounds							
							Qvalue
3) Chloromethane		2.377	50	1257	Below Cal	#	77
5) Bromomethane		2.971	94	1392	0.298	ug/l	84
11) Tert butyl alcohol		5.547	59	310	0.403	ug/l #	72
16) Acetone		4.459	43	2525	1.575	ug/l #	40
17) Carbon Disulfide		4.730	76	9817	0.836	ug/l	95
31) Cyclohexane		8.230	56	10395	1.455	ug/l #	2
36) 1,1-Dichloropropene		8.230	75	37384	5.269	ug/l #	47
38) Carbon Tetrachloride		8.230	117	45072	6.016	ug/l #	16
40) Benzene		8.612	78	81212	3.834	ug/l	100
67) Ethyl Benzene		11.965	91	12157	0.465	ug/l	96
71) Bromoform		12.853	173	2927	0.814	ug/l #	1
75) 1,1,2,2-Tetrachloroethane		12.882	83	122	Below Cal	#	26
76) 1,2,3-Trichloropropane		12.853	75	159132	31.014	ug/l #	1
81) trans-1,4-Dichloro-2-b...		12.853	75	159132	95.285	ug/l #	15
94) Hexachlorobutadiene		15.500	225	248	Below Cal	#	40

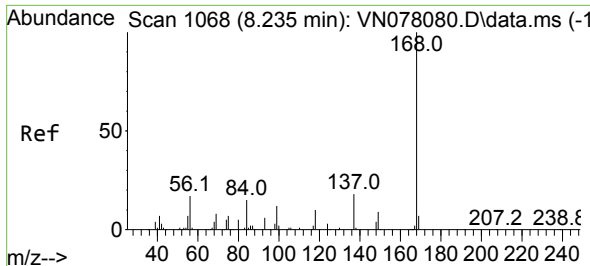
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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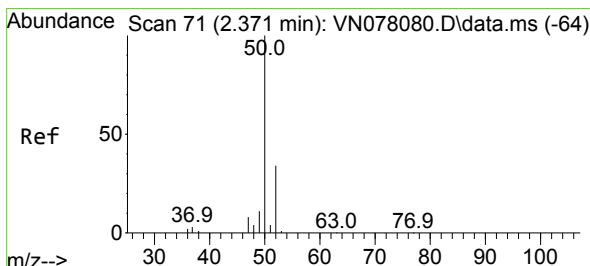
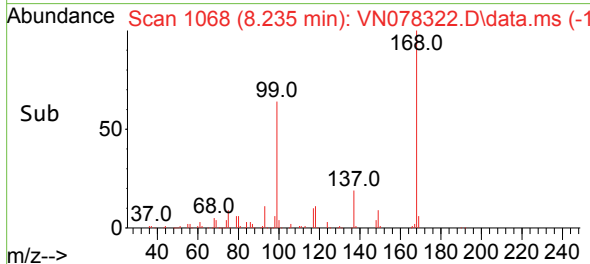
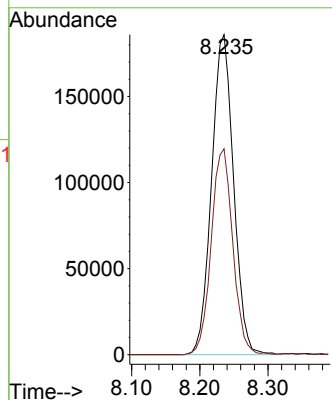
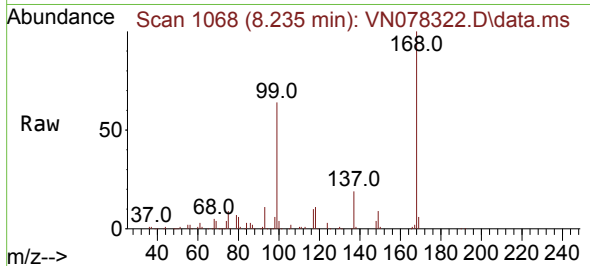




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

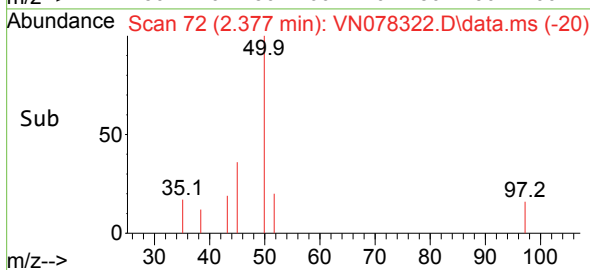
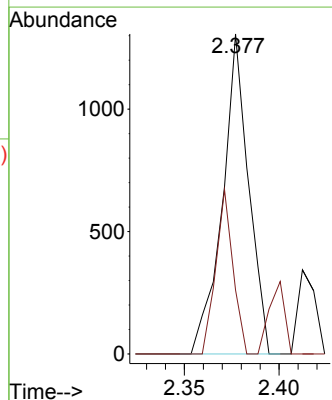
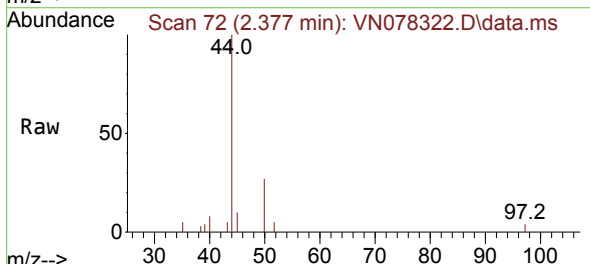
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-062023

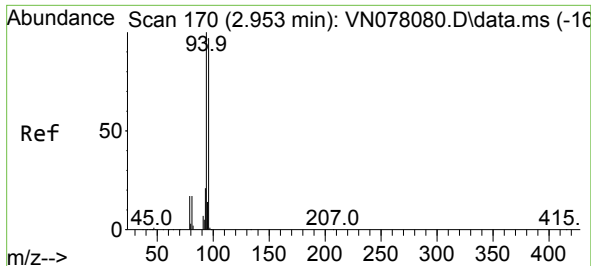
Tgt Ion:168 Resp: 417660
Ion Ratio Lower Upper
168 100
99 64.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

Tgt Ion: 50 Resp: 1257
Ion Ratio Lower Upper
50 100
52 20.0 26.5 39.7#

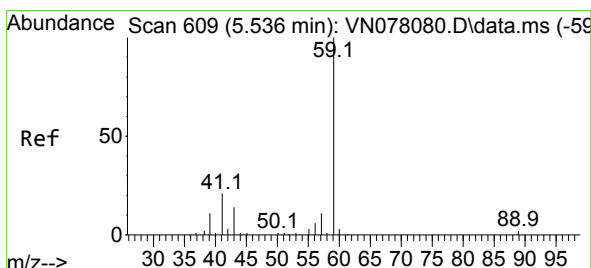
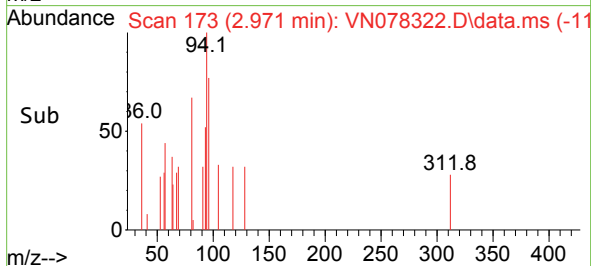
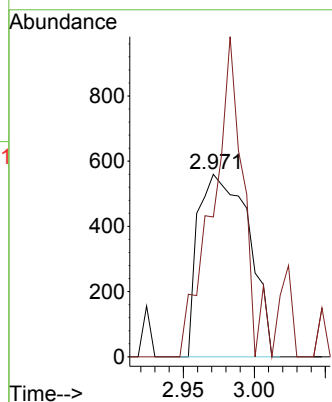
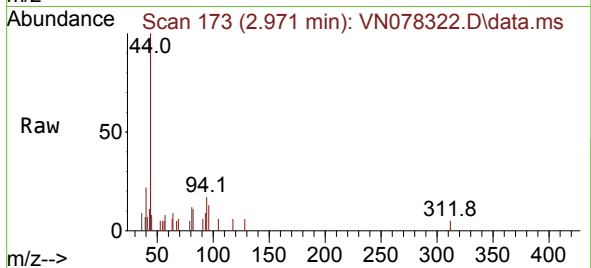




#5
Bromomethane
Concen: 0.298 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

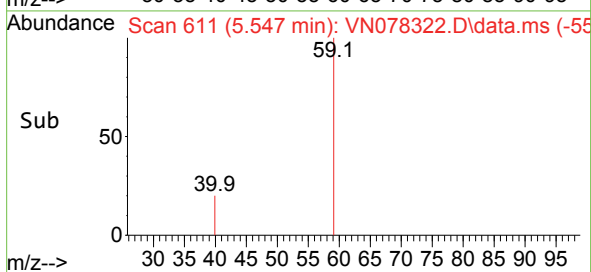
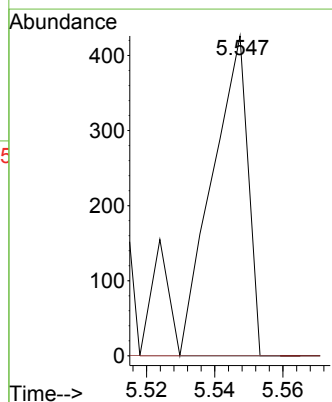
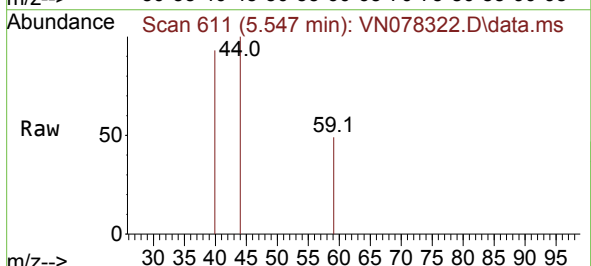
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-062023

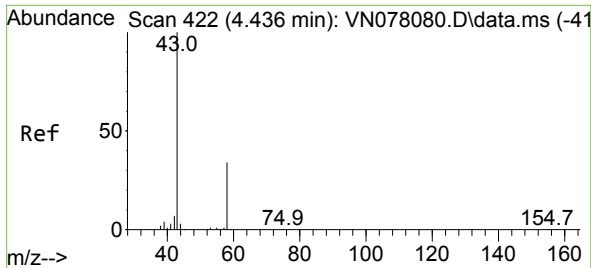
Tgt Ion: 94 Resp: 1392
Ion Ratio Lower Upper
94 100
96 76.6 73.1 109.7



#11
Tert butyl alcohol
Concen: 0.403 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

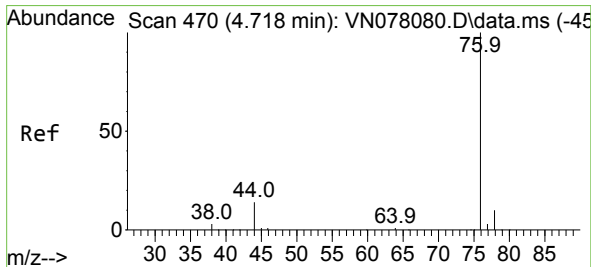
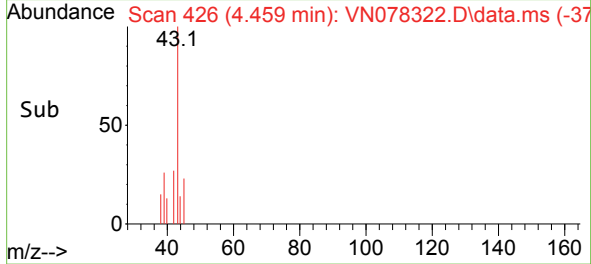
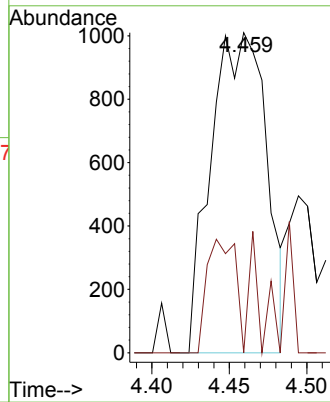
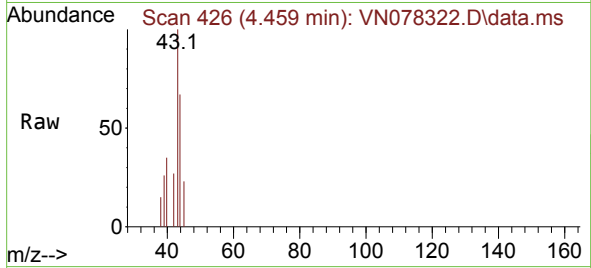




#16
Acetone
Concen: 1.575 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

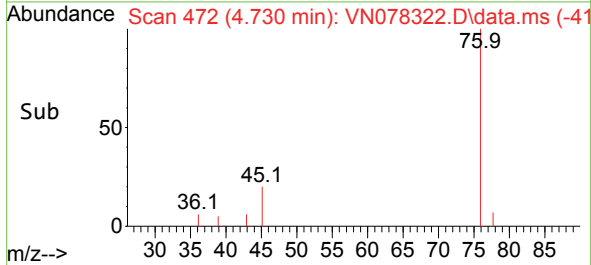
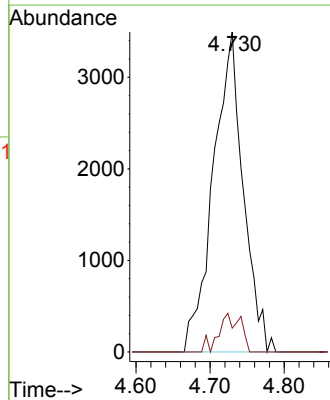
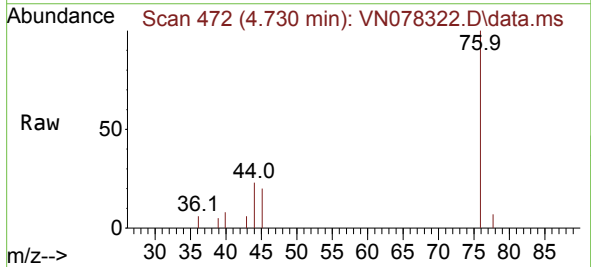
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-062023

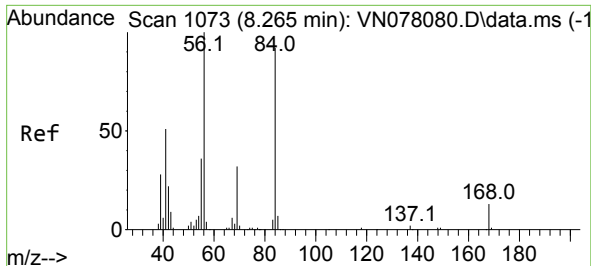
Tgt Ion: 43 Resp: 2525
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.836 ug/l
RT: 4.730 min Scan# 472
Delta R.T. 0.012 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

Tgt Ion: 76 Resp: 9817
Ion Ratio Lower Upper
76 100
78 7.5 7.4 11.0

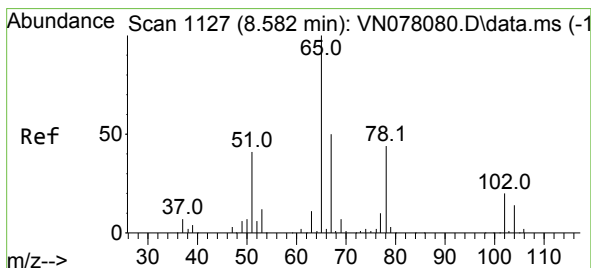
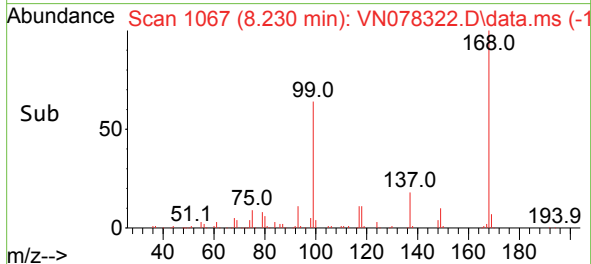
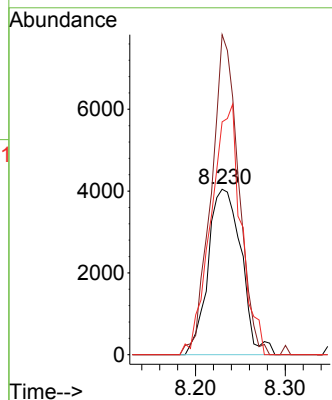
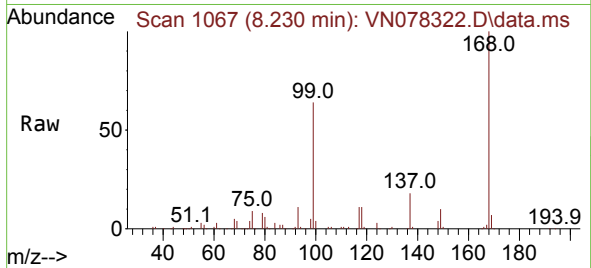




#31
Cyclohexane
Concen: 1.455 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

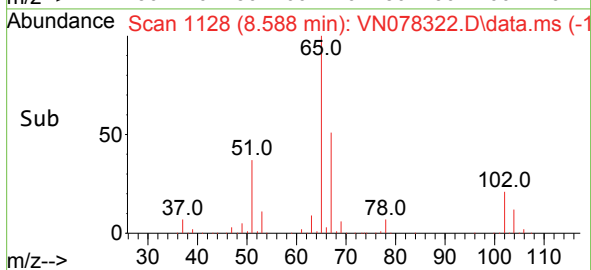
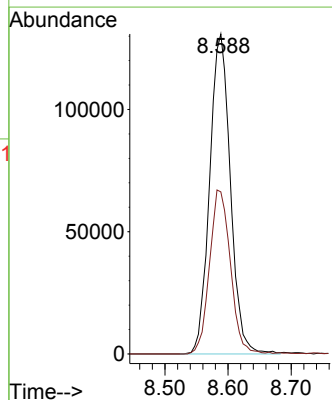
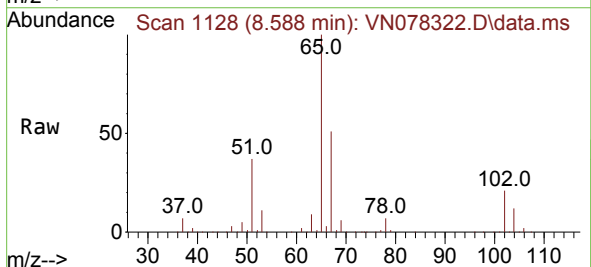
Instrument :
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ClientSampleId :
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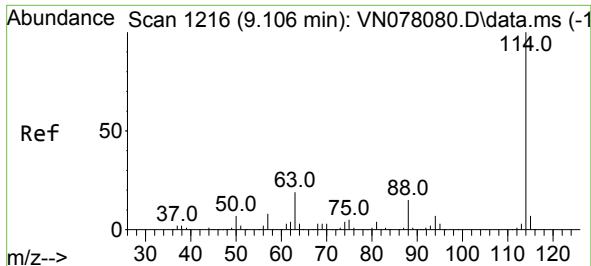
Tgt Ion: 56 Resp: 10395
Ion Ratio Lower Upper
56 100
69 193.4 26.8 40.2#
84 140.7 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.586 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

Tgt Ion: 65 Resp: 298401
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.6

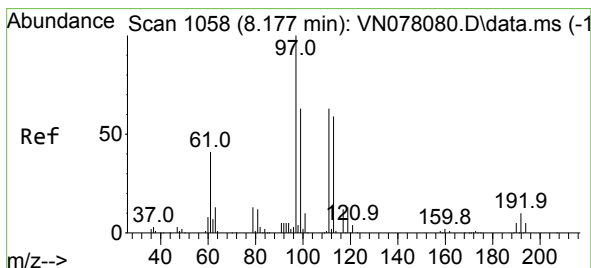
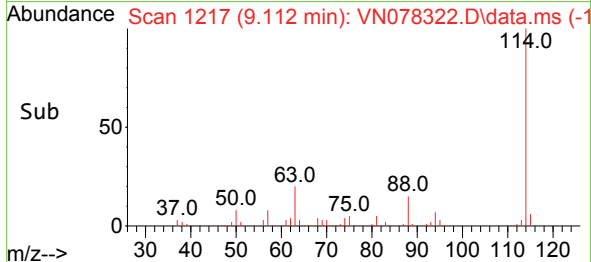
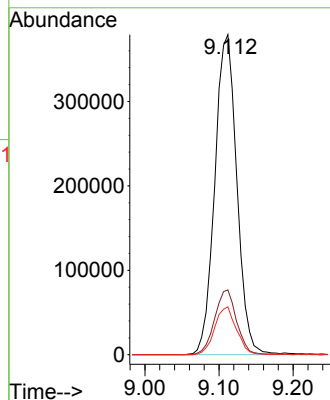
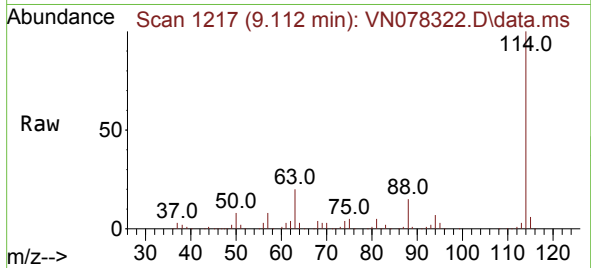




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

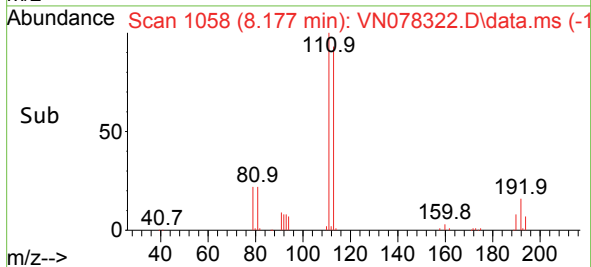
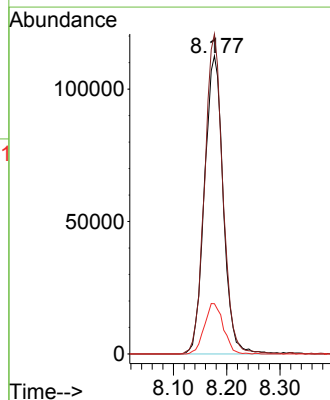
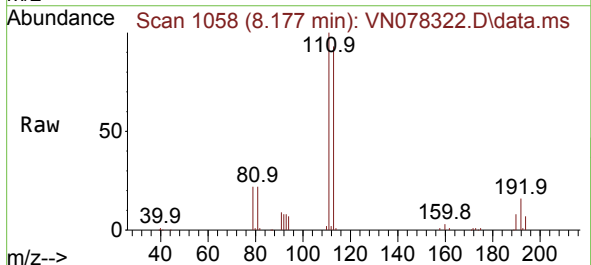
Instrument :
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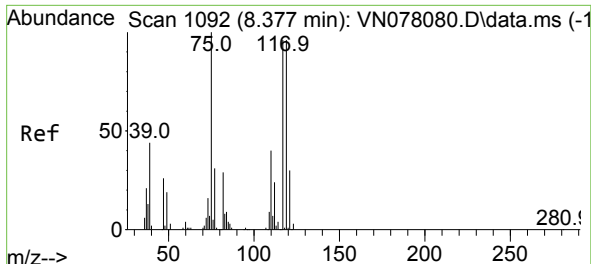
Tgt Ion:114 Resp: 782304
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.482 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

Tgt Ion:113 Resp: 274437
Ion Ratio Lower Upper
113 100
111 104.5 82.6 123.8
192 17.2 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.269 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078322.D

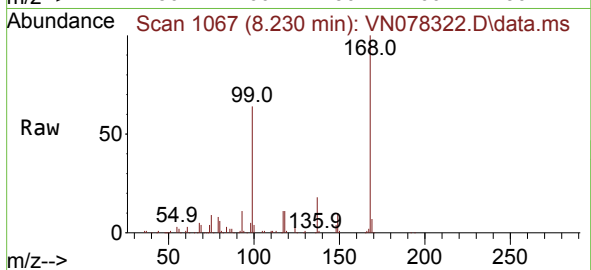
Acq: 21 Jun 2023 15:10

Instrument :

MSVOA_N

ClientSampleId :

OWBR-03-128-148-062023



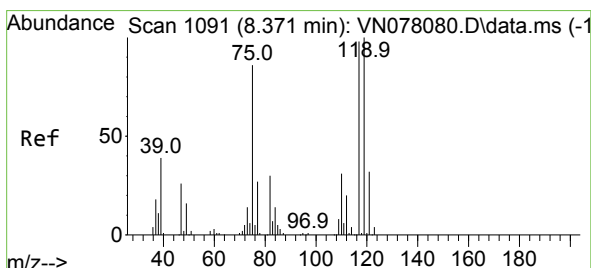
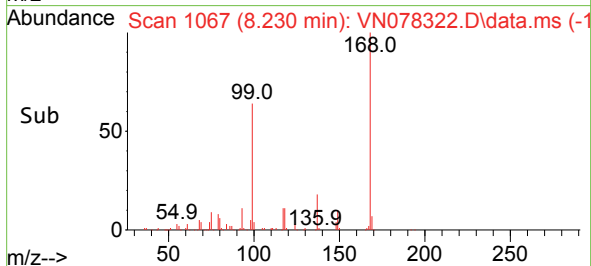
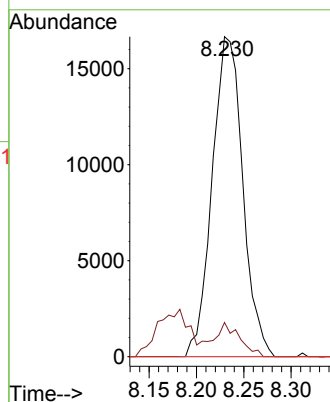
Tgt Ion: 75 Resp: 37384

Ion Ratio Lower Upper

75 100

110 8.0 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.016 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN078322.D

Acq: 21 Jun 2023 15:10

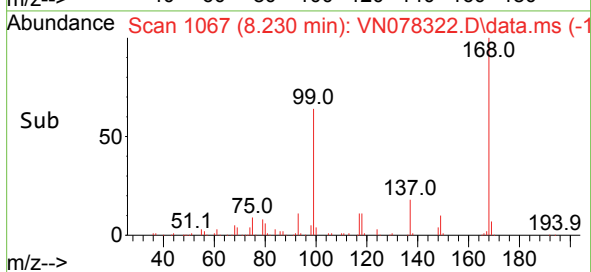
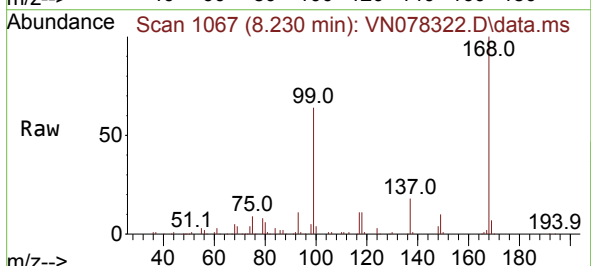
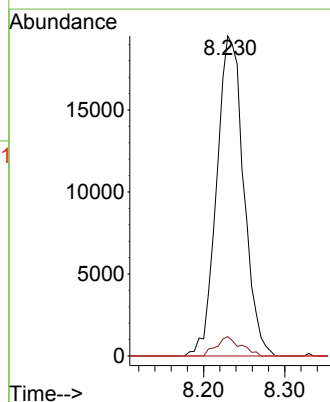
Tgt Ion: 117 Resp: 45072

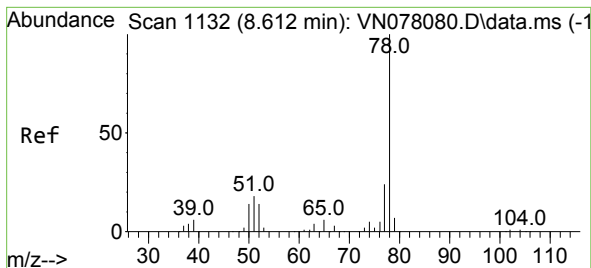
Ion Ratio Lower Upper

117 100

119 6.0 77.3 115.9#

121 0.0 23.3 34.9#





#40

Benzene

Concen: 3.834 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN078322.D

Acq: 21 Jun 2023 15:10

Instrument :

MSVOA_N

ClientSampleId :

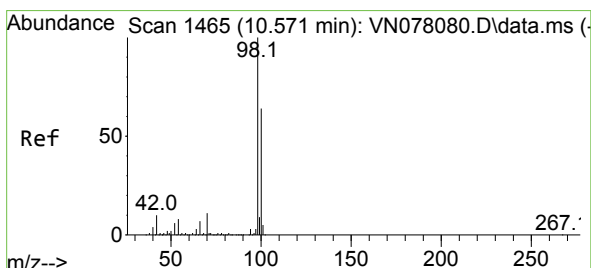
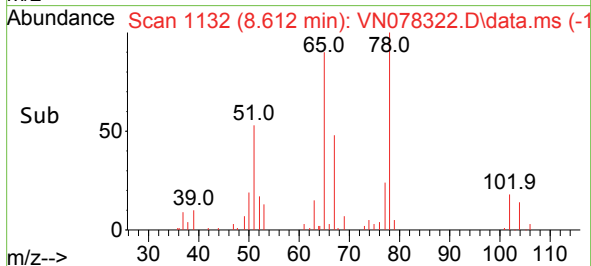
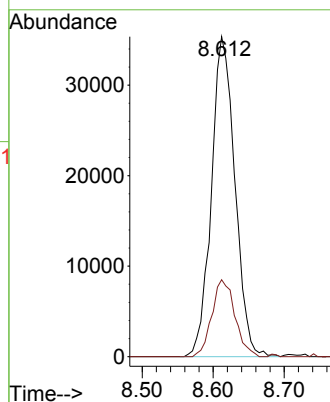
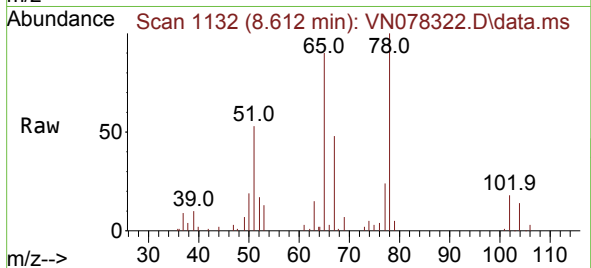
OWBR-03-128-148-062023

Tgt Ion: 78 Resp: 81212

Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.6



#50

Toluene-d8

Concen: 48.551 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078322.D

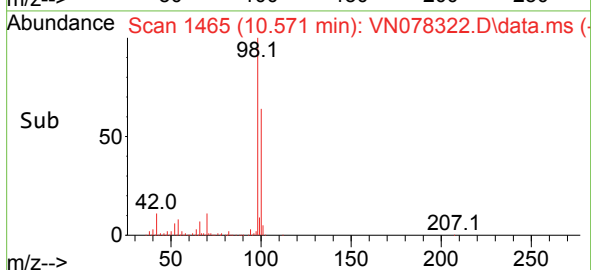
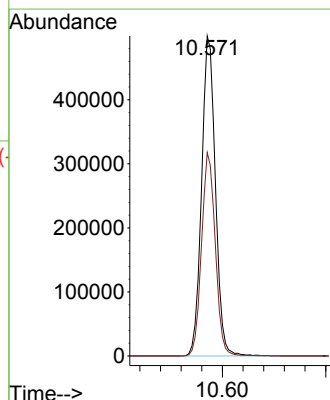
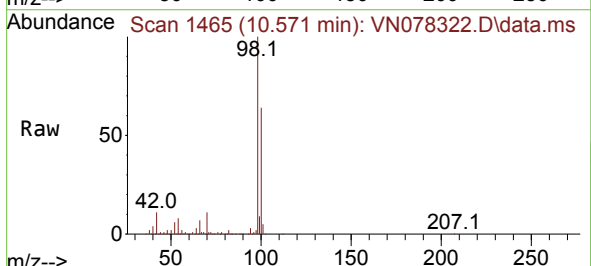
Acq: 21 Jun 2023 15:10

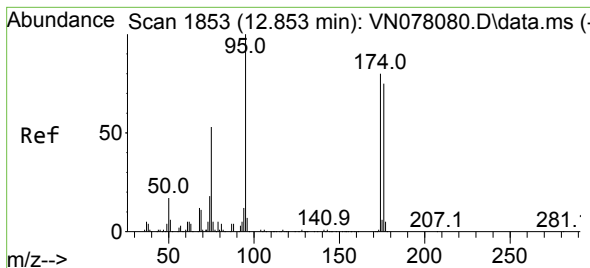
Tgt Ion: 98 Resp: 925814

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 49.661 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN078322.D

Acq: 21 Jun 2023 15:10

Instrument :

MSVOA_N

ClientSampleId :

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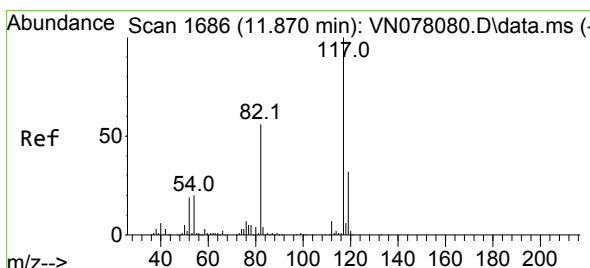
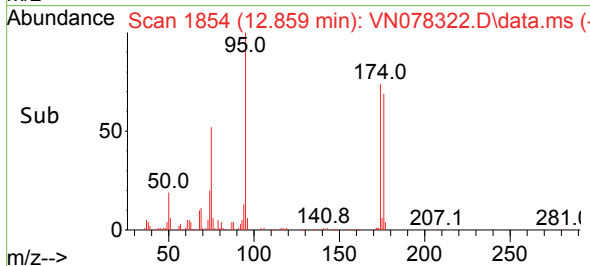
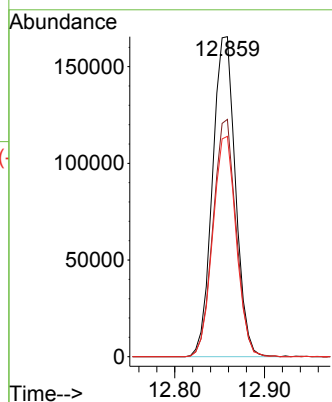
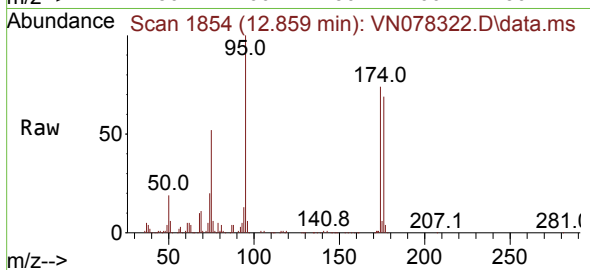
Tgt Ion: 95 Resp: 294393

Ion Ratio Lower Upper

95 100

174 74.6 0.0 143.8

176 70.4 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: VN078322.D

Acq: 21 Jun 2023 15:10

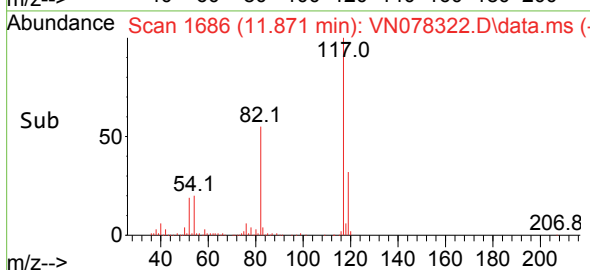
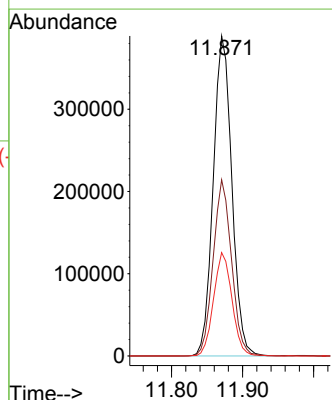
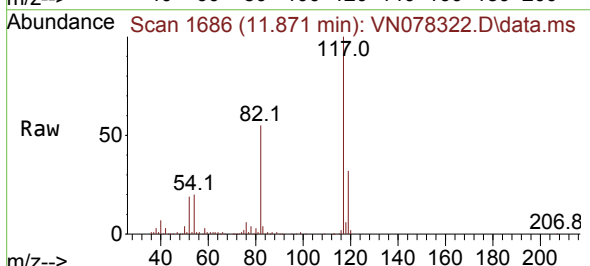
Tgt Ion: 117 Resp: 707497

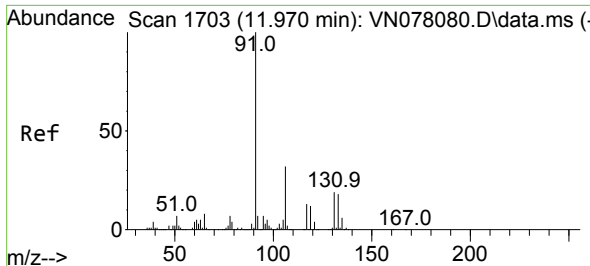
Ion Ratio Lower Upper

117 100

82 55.0 44.0 66.0

119 32.3 25.6 38.4

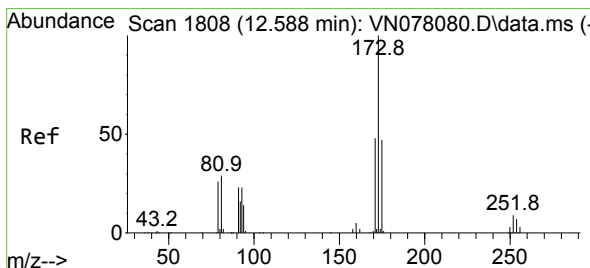
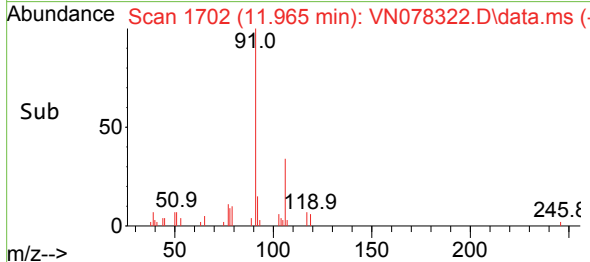
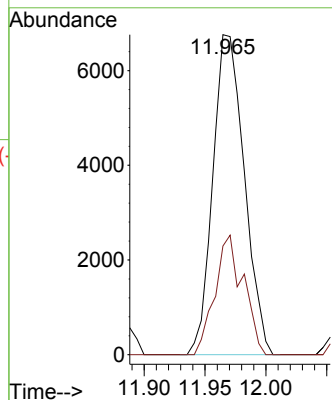
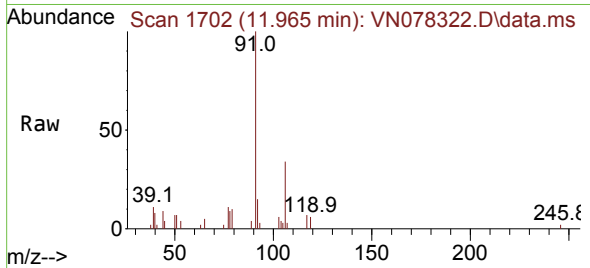




#67
Ethyl Benzene
Concen: 0.465 ug/l
RT: 11.965 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

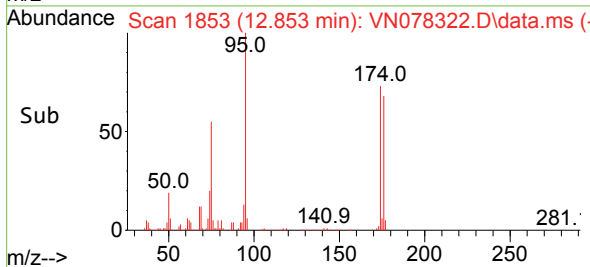
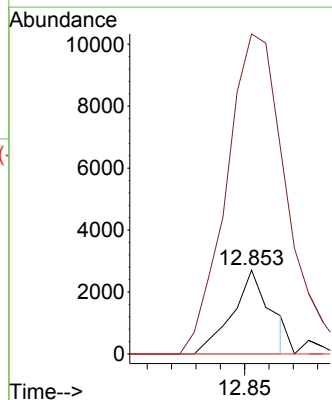
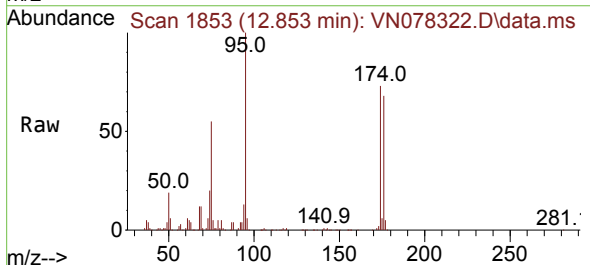
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-062023

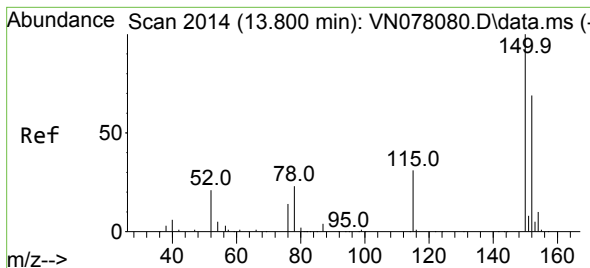
Tgt Ion: 91 Resp: 12157
Ion Ratio Lower Upper
91 100
106 34.0 25.6 38.4



#71
Bromoform
Concen: 0.814 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

Tgt Ion: 173 Resp: 2927
Ion Ratio Lower Upper
173 100
175 520.0 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# 2014

Delta R.T. 0.000 min

Lab File: VN078322.D

Acq: 21 Jun 2023 15:10

Instrument :

MSVOA_N

ClientSampleId :

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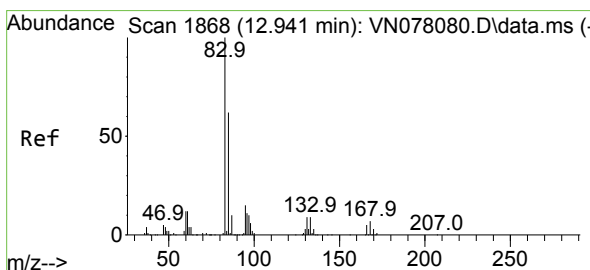
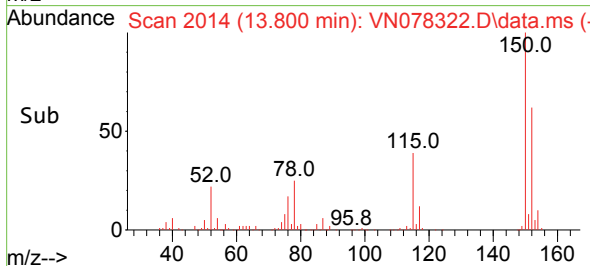
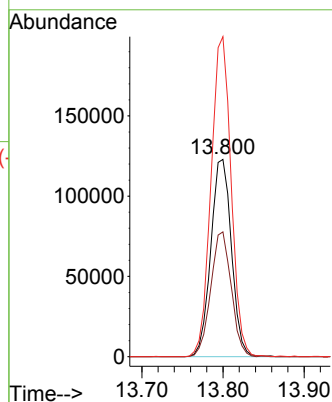
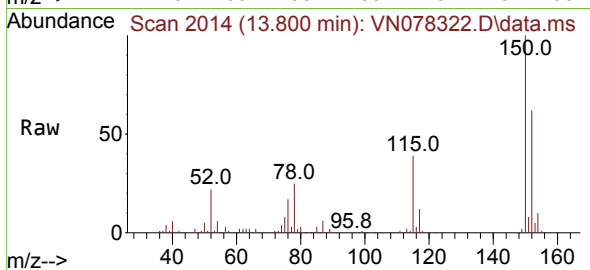
Tgt Ion:152 Resp: 217043

Ion Ratio Lower Upper

152 100

115 62.7 32.3 96.8

150 157.7 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.882 min Scan# 1858

Delta R.T. -0.059 min

Lab File: VN078322.D

Acq: 21 Jun 2023 15:10

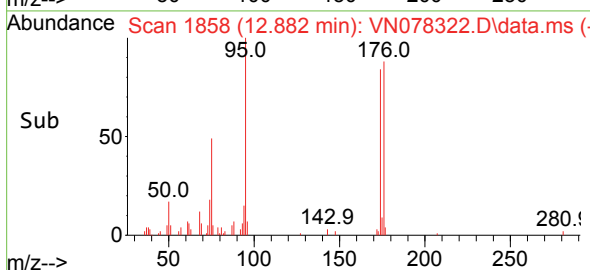
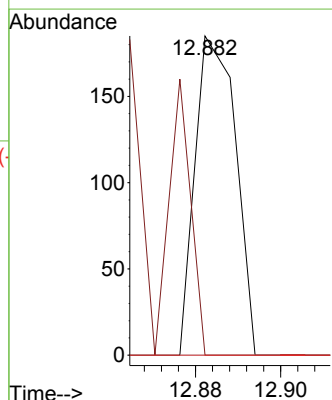
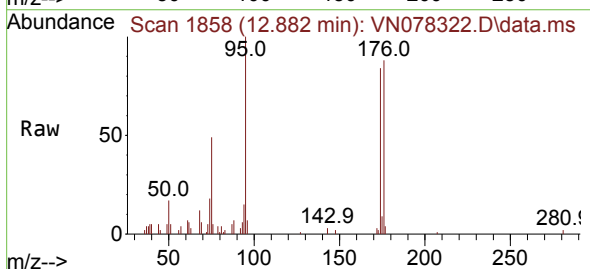
Tgt Ion: 83 Resp: 122

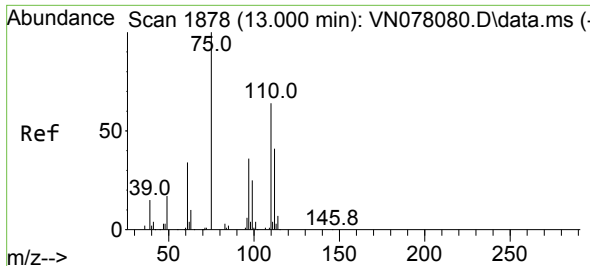
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#

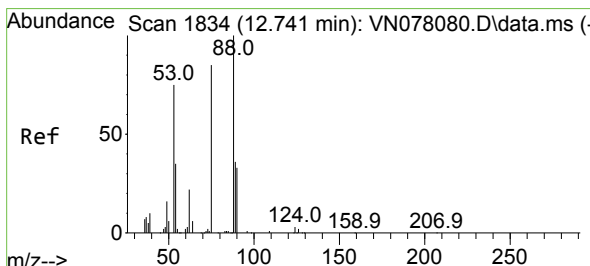
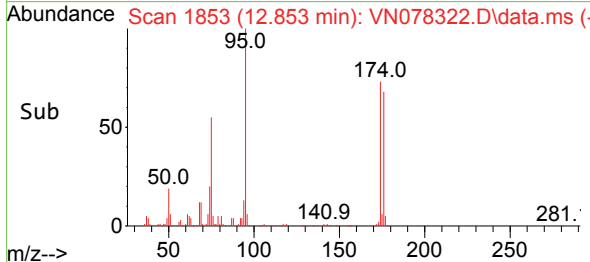
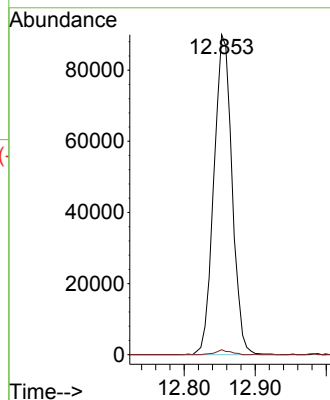
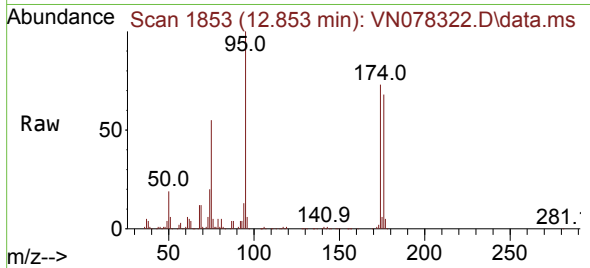




#76
1,2,3-Trichloropropane
Concen: 31.014 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

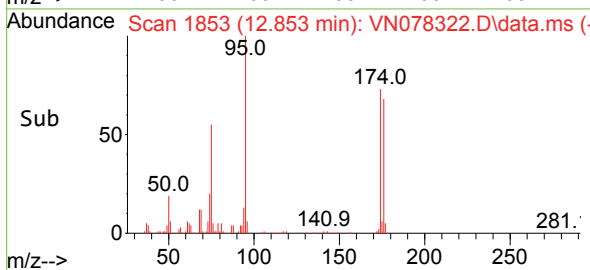
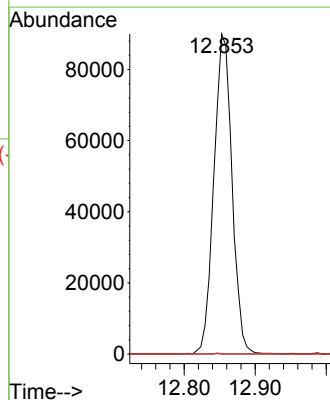
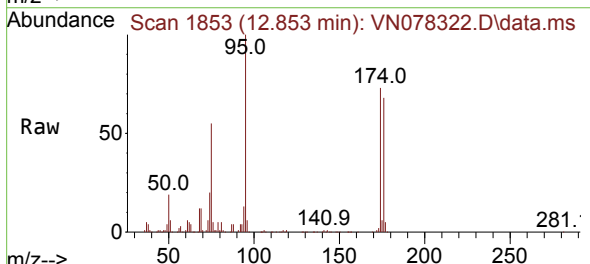
Instrument : MSVOA_N
ClientSampleId : OWBR-03-128-148-062023

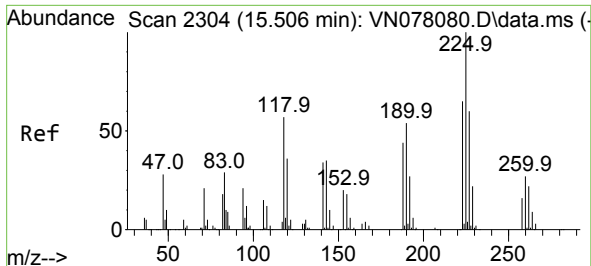
Tgt Ion: 75 Resp: 159132
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.285 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

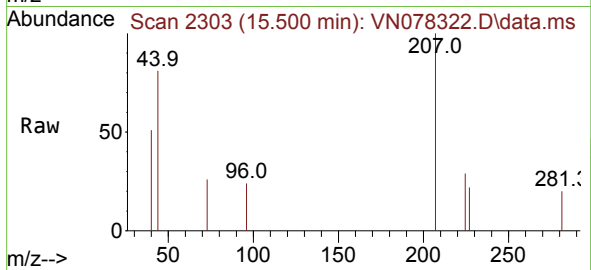
Tgt Ion: 75 Resp: 159132
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#





#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078322.D
Acq: 21 Jun 2023 15:10

Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-062023



Tgt Ion:225 Resp: 248
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.8#
227 32.3 31.9 95.9

