

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078139.D
 Acq On : 09 Jun 2023 12:22
 Operator : JC\MD
 Sample : 03123-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-TB-20230602

Quant Time: Jun 09 23:06:26 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)

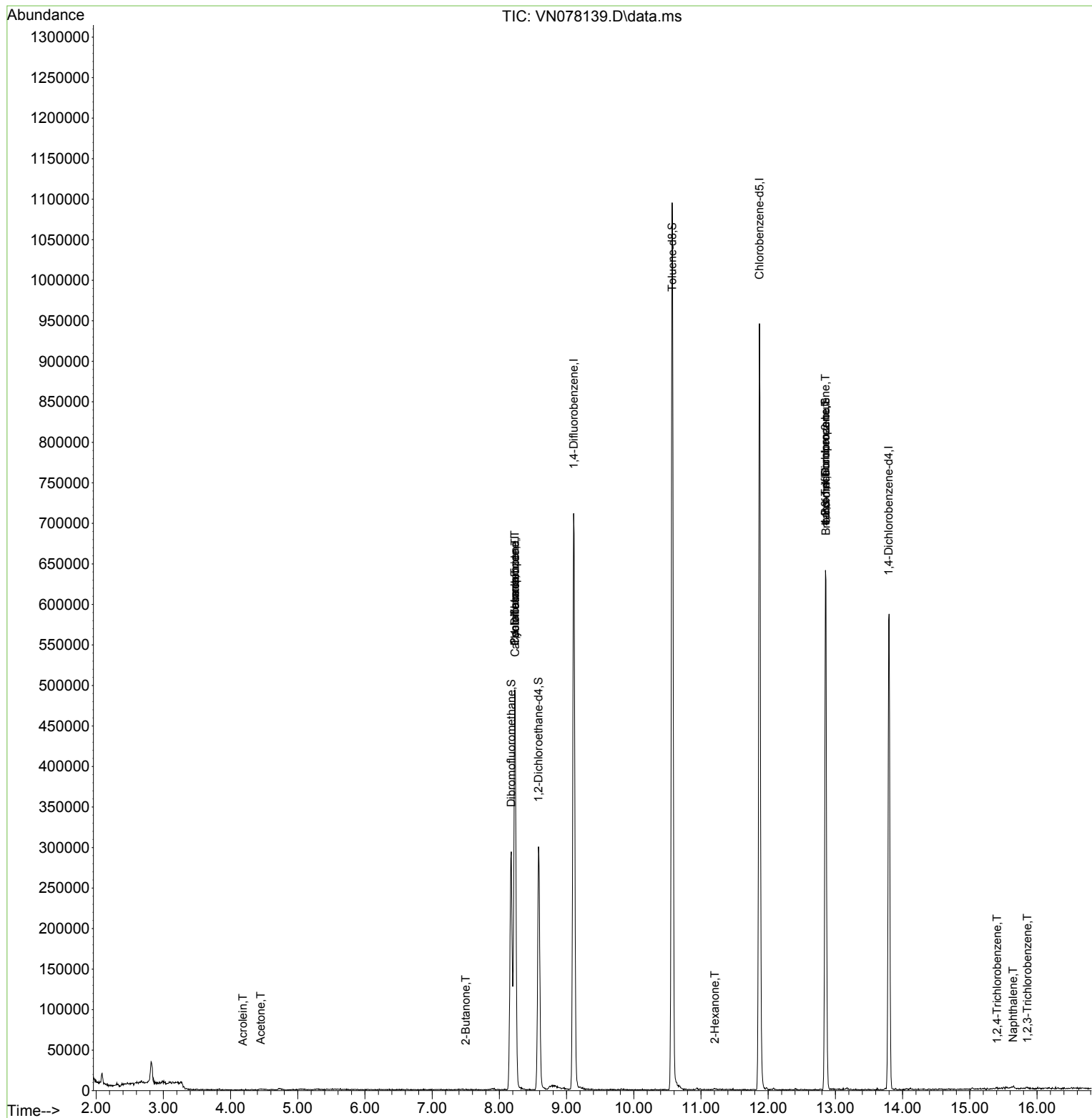
Internal Standards						
1) Pentafluorobenzene	8.230	168	351516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	641099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	570494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	159133	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	246199	52.530	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.060%			
35) Dibromofluoromethane	8.177	113	212489	52.420	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.840%			
50) Toluene-d8	10.571	98	794458	50.839	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.853	95	231630	47.680	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.360%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.389	50	1166	Below Cal	#	42
13) Acrolein	4.183	56	217	0.304	ug/l #	47
16) Acetone	4.447	43	1407	1.043	ug/l #	76
25) 2-Butanone	7.500	43	493	0.238	ug/l #	37
31) Cyclohexane	8.230	56	9456	1.573	ug/l #	45
36) 1,1-Dichloropropene	8.230	75	29624	5.095	ug/l #	49
38) Carbon Tetrachloride	8.236	117	39407	6.419	ug/l #	16
59) 2-Hexanone	11.206	43	709	0.223	ug/l #	58
71) Bromoform	12.859	173	1785	0.616	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.953	83	144	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	122927	32.676	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	122927	100.392	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.406	180	551	0.268	ug/l #	65
94) Hexachlorobutadiene	15.500	225	214	Below Cal		92
95) Naphthalene	15.647	128	2272	0.328	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.859	180	568	0.247	ug/l	69

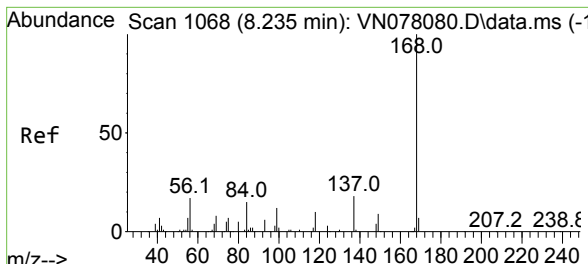
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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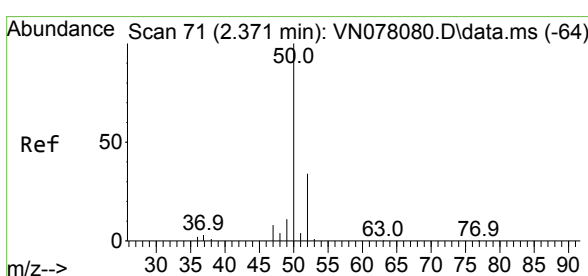
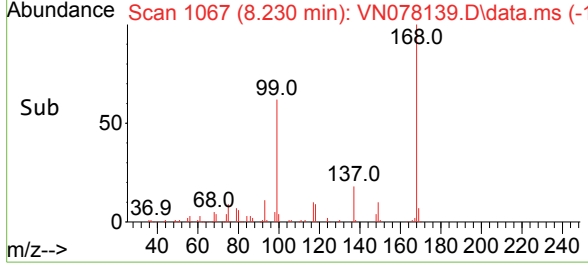
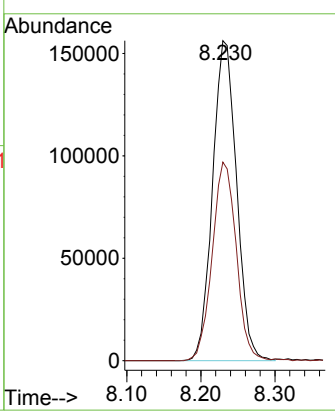
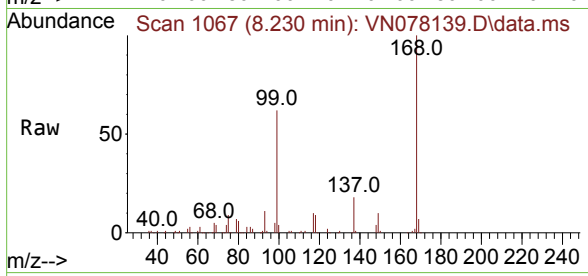




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 8.230 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: VN078139.D
 Acq: 09 Jun 2023 12:22

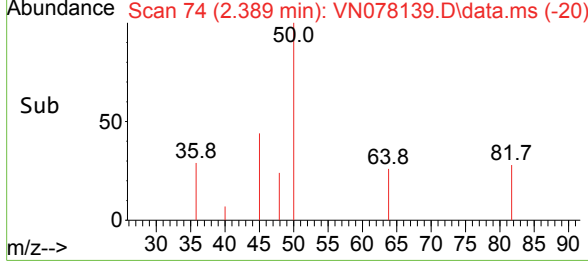
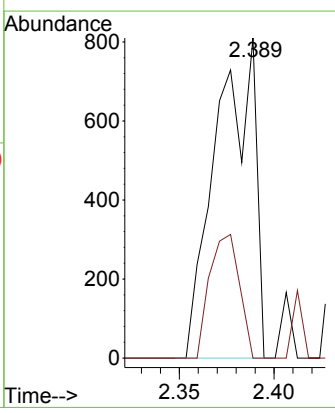
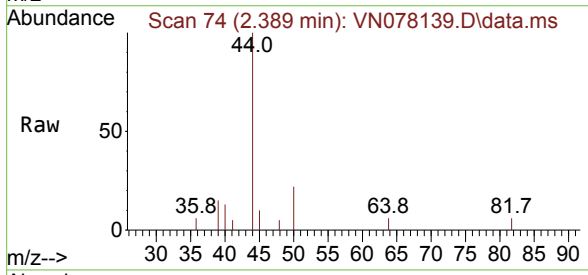
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-TB-20230602

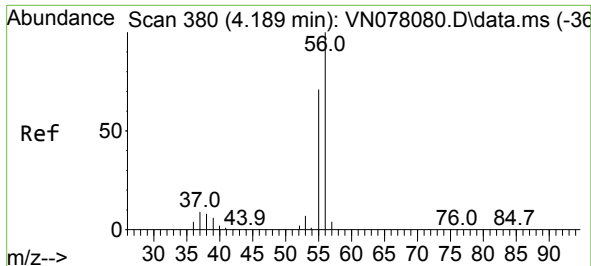
Tgt Ion:168 Resp: 351516
 Ion Ratio Lower Upper
 168 100
 99 62.1 53.0 79.6



#3
 Chloromethane
 Concen: Below Cal
 RT: 2.389 min Scan# 74
 Delta R.T. 0.018 min
 Lab File: VN078139.D
 Acq: 09 Jun 2023 12:22

Tgt Ion: 50 Resp: 1166
 Ion Ratio Lower Upper
 50 100
 52 0.0 26.5 39.7#

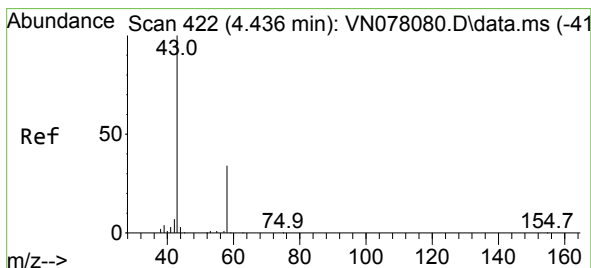
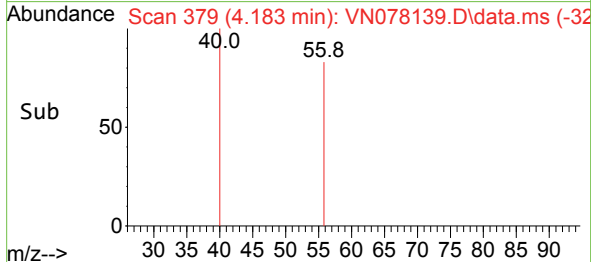
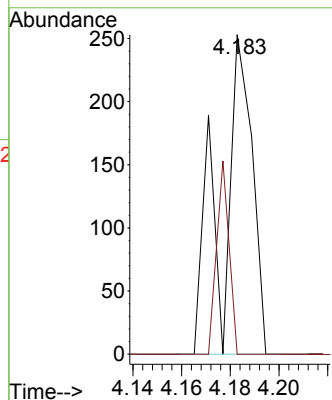
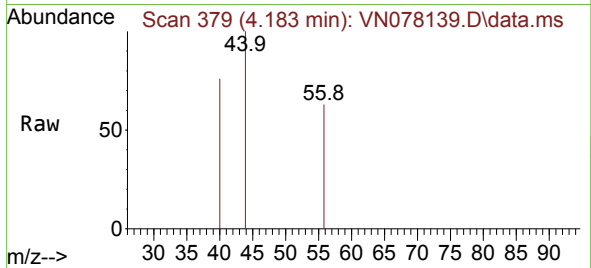




#13
Acrolein
Concen: 0.304 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

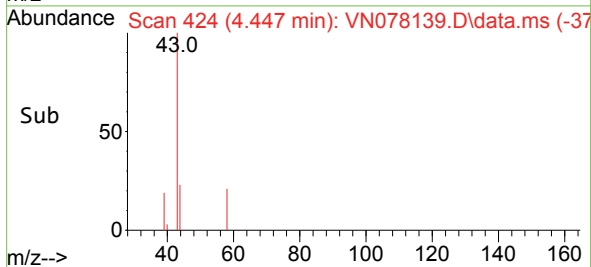
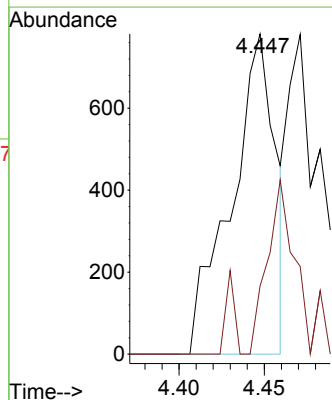
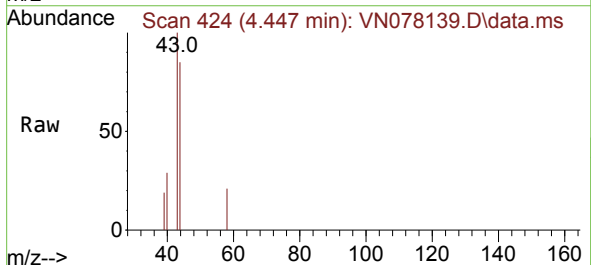
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ClientSampleId :
BP-VPB-RW11-TB-20230602

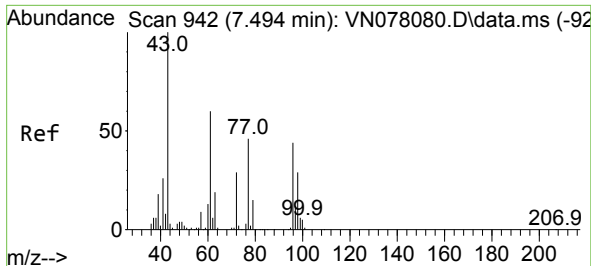
Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 24.9 54.5 81.7#



#16
Acetone
Concen: 1.043 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

Tgt Ion: 43 Resp: 1407
Ion Ratio Lower Upper
43 100
58 21.3 28.0 42.0#

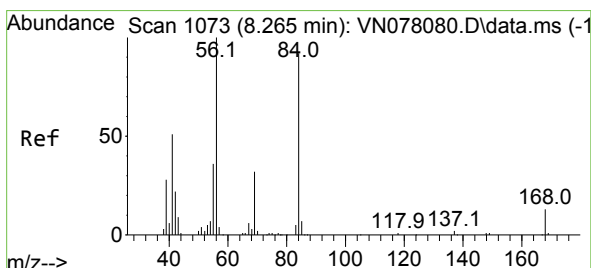
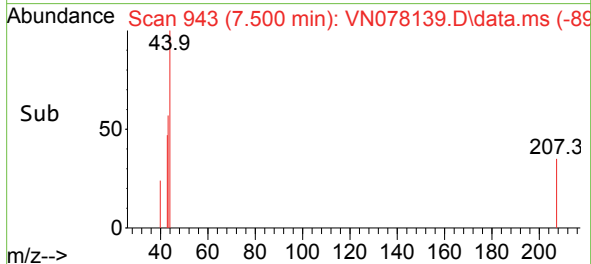
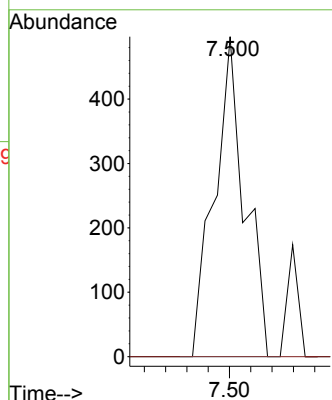
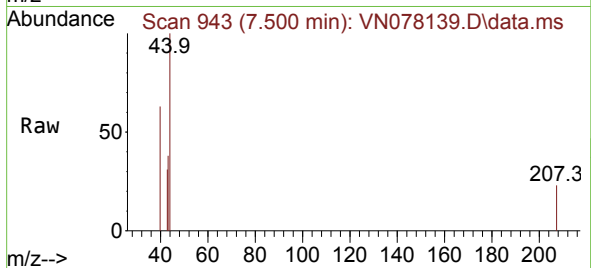




#25
2-Butanone
Concen: 0.238 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

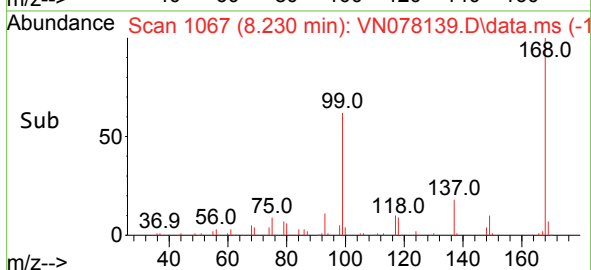
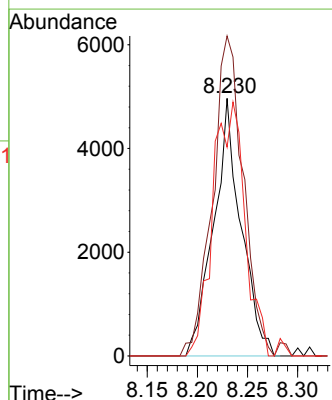
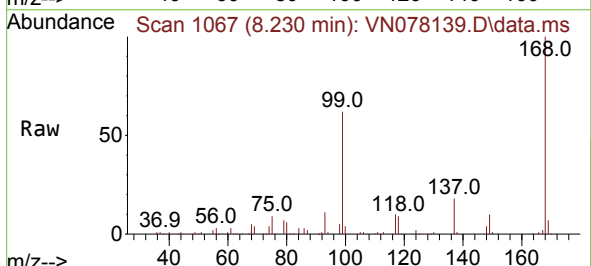
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-TB-20230602

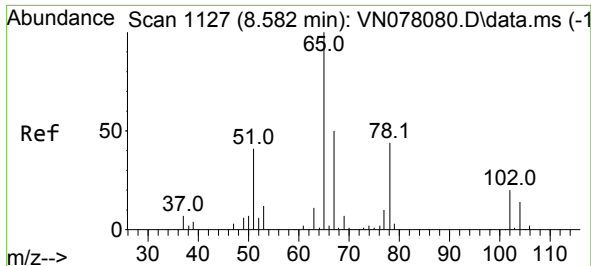
Tgt Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.573 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

Tgt Ion: 56 Resp: 9456
Ion Ratio Lower Upper
56 100
69 124.2 26.8 40.2#
84 81.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.530 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078139.D

Acq: 09 Jun 2023 12:22

Instrument :

MSVOA_N

ClientSampleId :

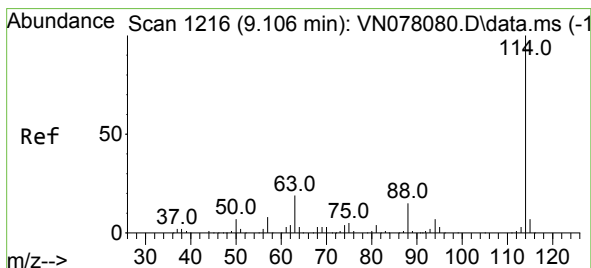
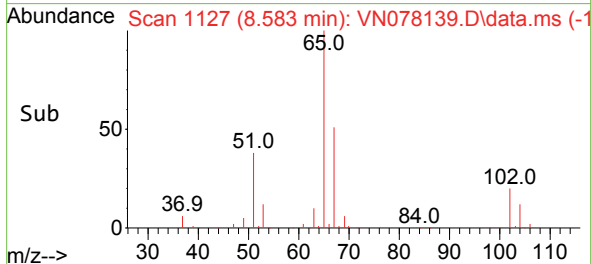
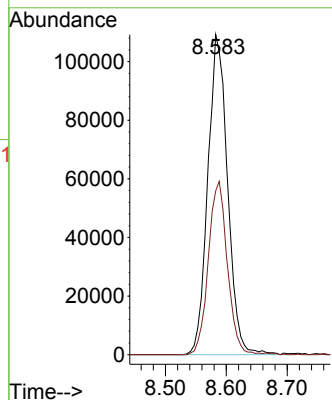
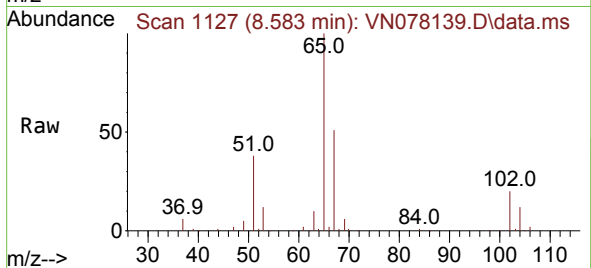
BP-VPB-RW11-TB-20230602

Tgt Ion: 65 Resp: 246199

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078139.D

Acq: 09 Jun 2023 12:22

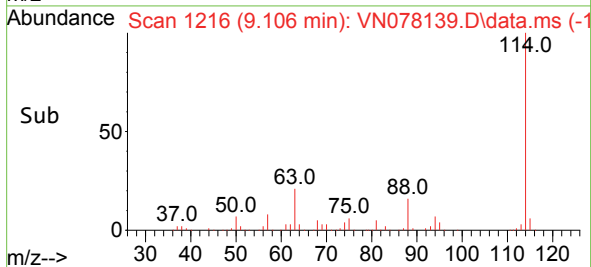
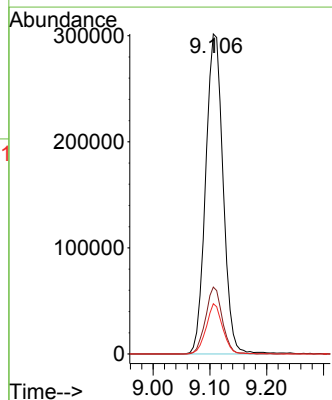
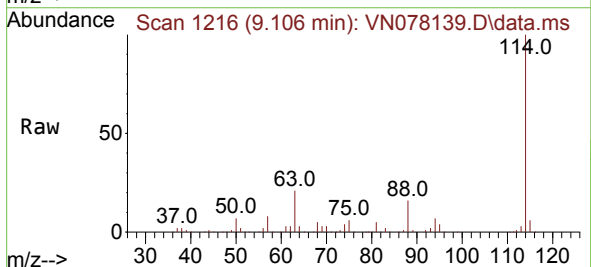
Tgt Ion: 114 Resp: 641099

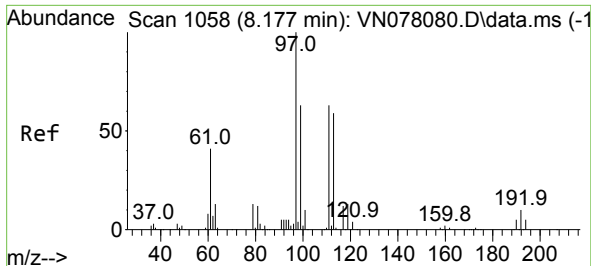
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 15.7 0.0 30.6

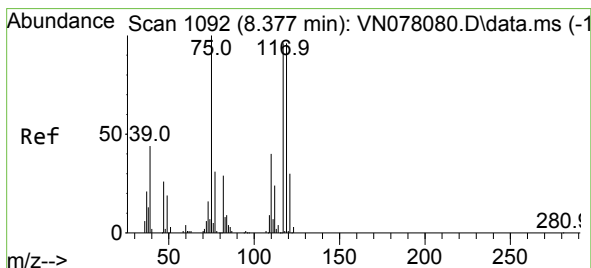
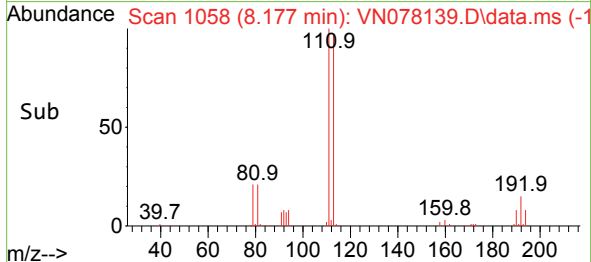
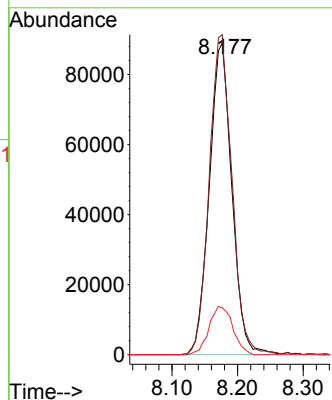
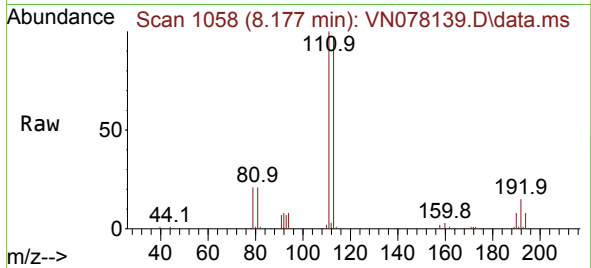




#35
Dibromofluoromethane
Concen: 52.420 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

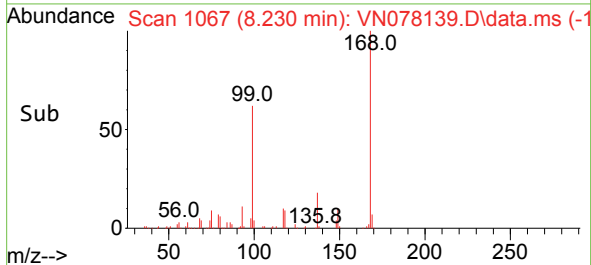
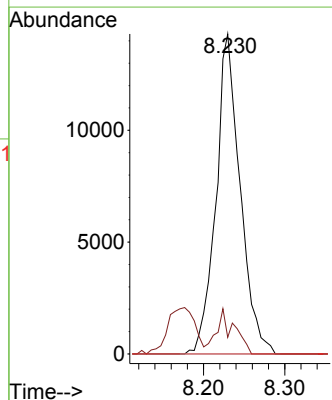
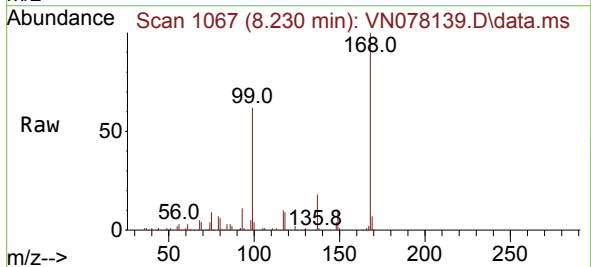
Instrument :
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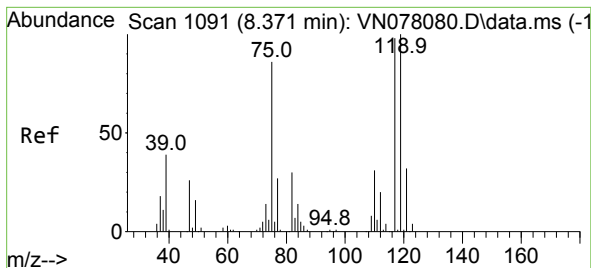
Tgt Ion:113 Resp: 212489
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 16.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.095 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

Tgt Ion: 75 Resp: 29624
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.419 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078139.D

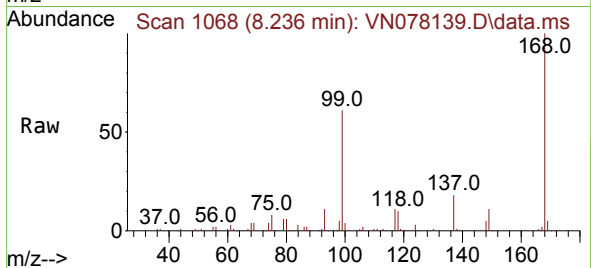
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Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-TB-20230602



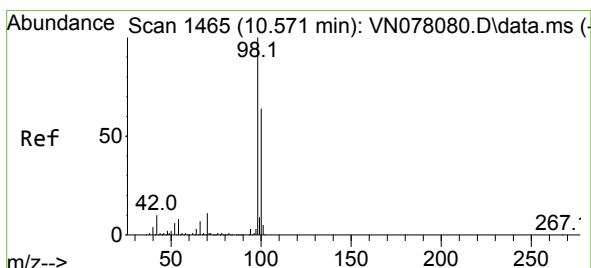
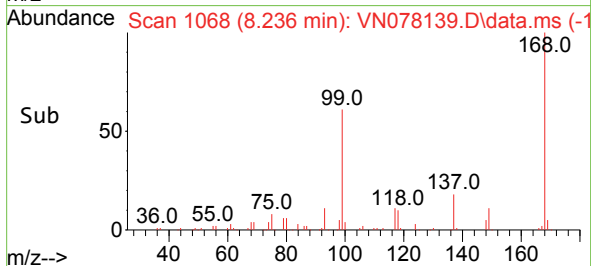
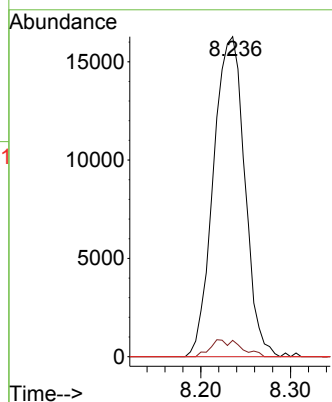
Tgt Ion:117 Resp: 39407

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 50.839 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078139.D

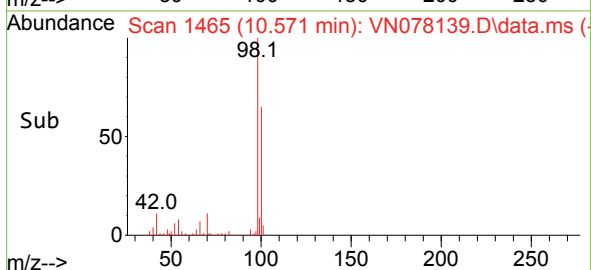
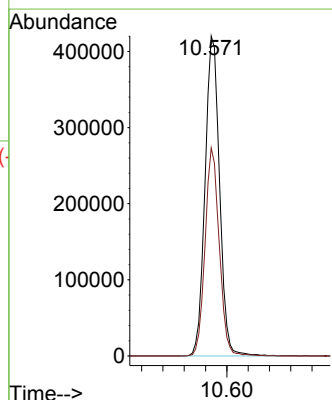
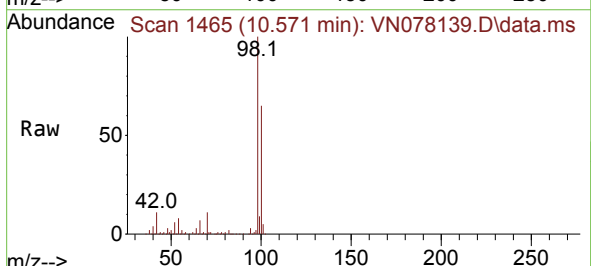
Acq: 09 Jun 2023 12:22

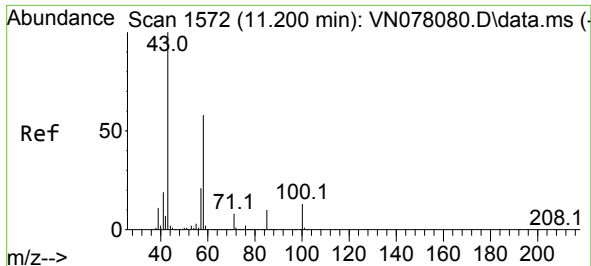
Tgt Ion: 98 Resp: 794458

Ion Ratio Lower Upper

98 100

100 63.5 52.0 78.0

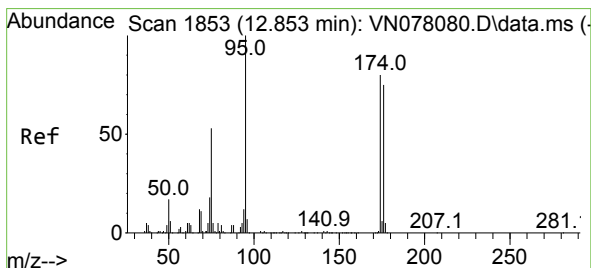
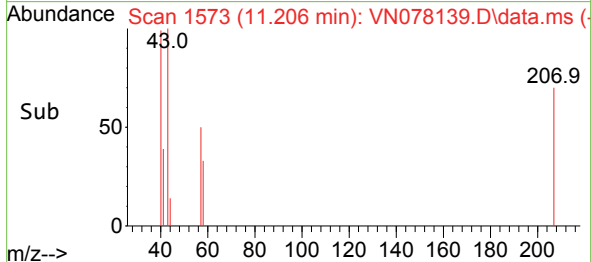
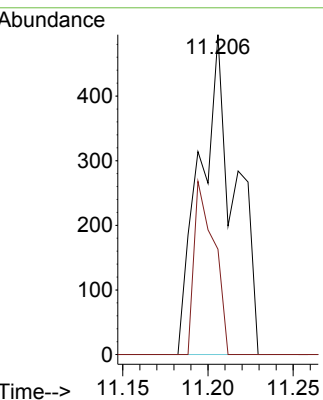
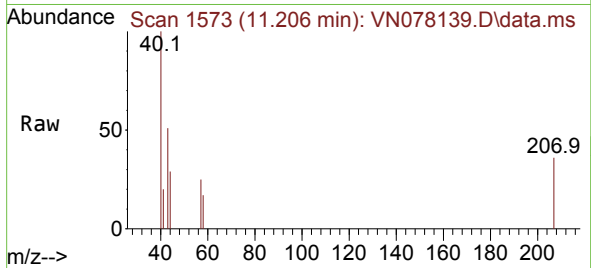




#59
2-Hexanone
Concen: 0.223 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

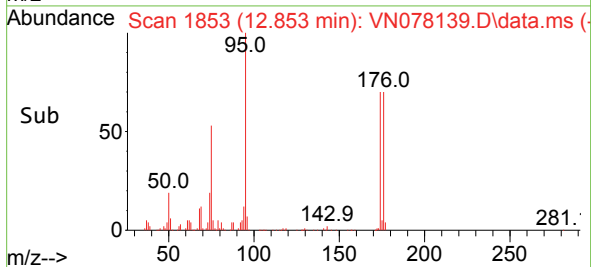
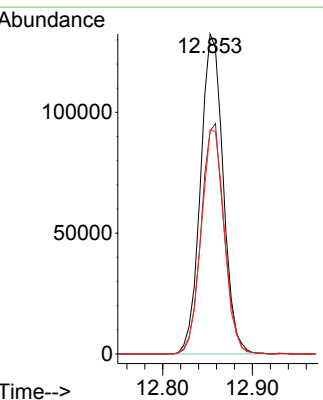
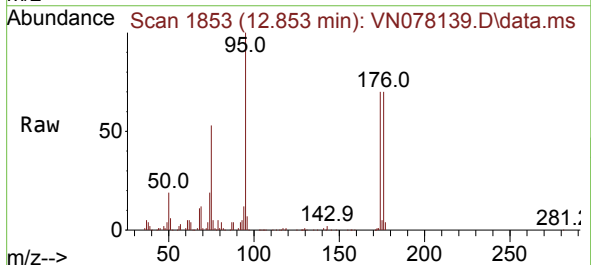
Instrument :
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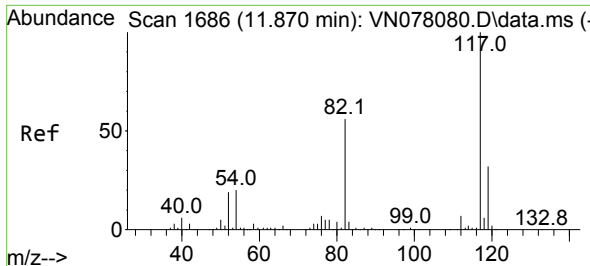
Tgt Ion: 43 Resp: 709
Ion Ratio Lower Upper
43 100
58 31.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.680 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

Tgt Ion: 95 Resp: 231630
Ion Ratio Lower Upper
95 100
174 72.9 0.0 143.8
176 71.5 0.0 135.8

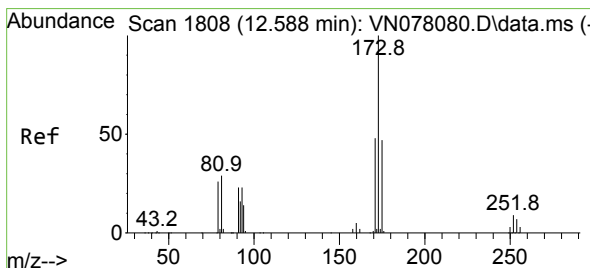
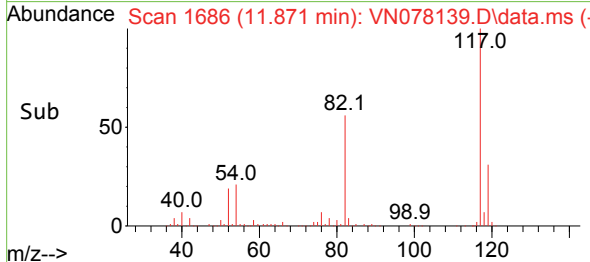
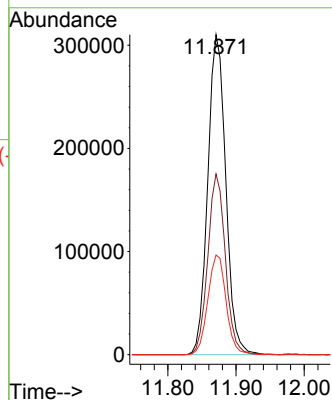
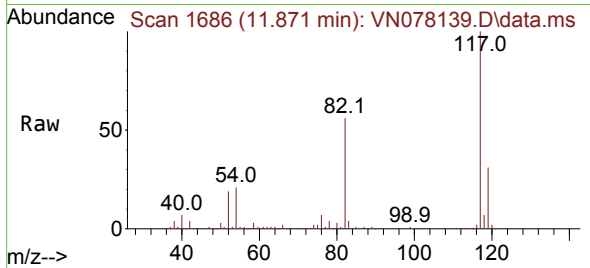




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

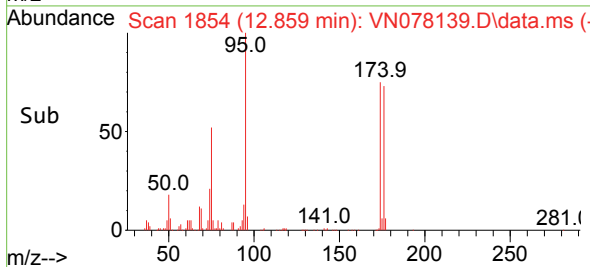
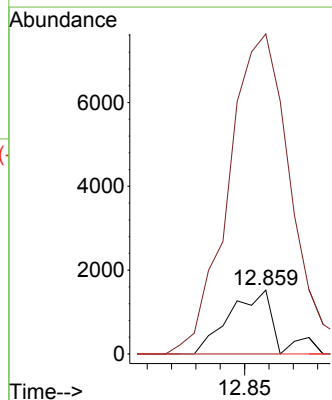
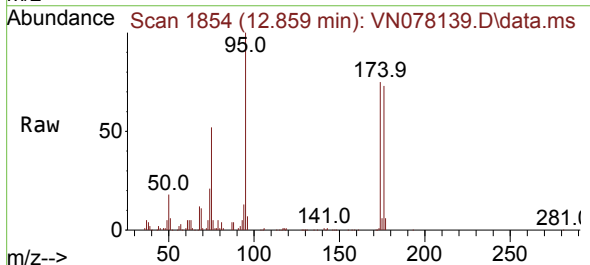
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-TB-20230602

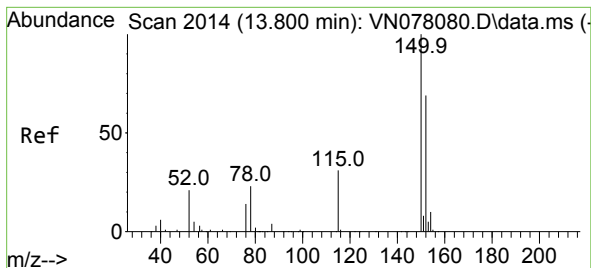
Tgt Ion:117 Resp: 570494
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 31.2 25.6 38.4



#71
Bromoform
Concen: 0.616 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

Tgt Ion:173 Resp: 1785
Ion Ratio Lower Upper
173 100
175 638.3 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2014

Delta R.T. -0.006 min

Lab File: VN078139.D

Acq: 09 Jun 2023 12:22

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-TB-20230602

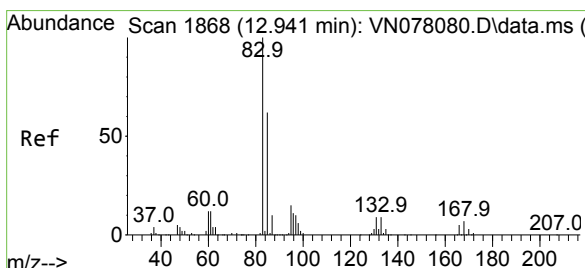
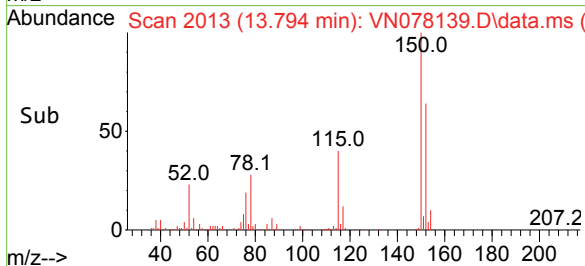
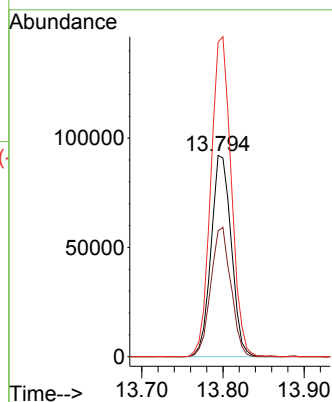
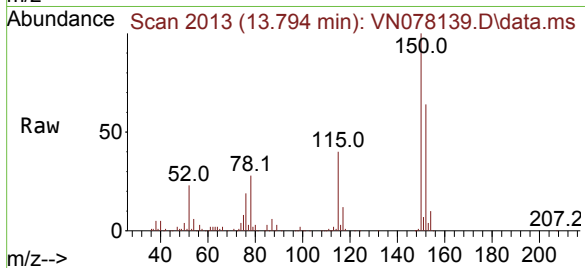
Tgt Ion:152 Resp: 159133

Ion Ratio Lower Upper

152 100

115 64.0 32.3 96.8

150 160.7 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: VN078139.D

Acq: 09 Jun 2023 12:22

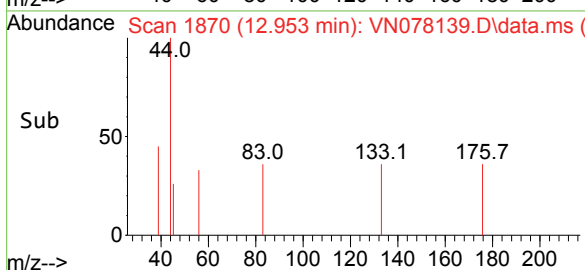
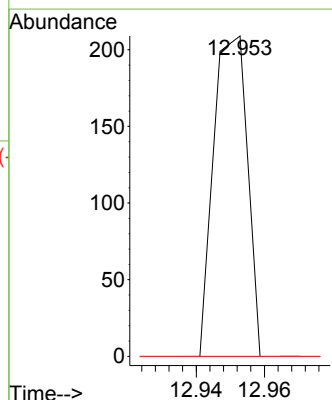
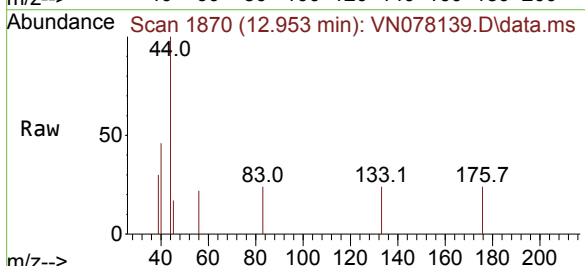
Tgt Ion: 83 Resp: 144

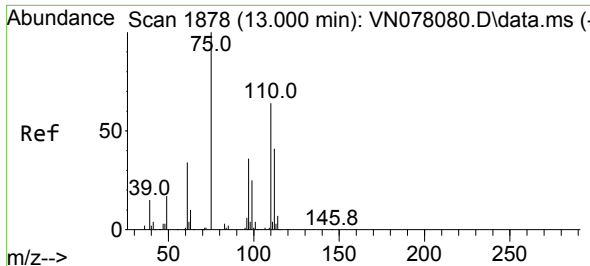
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#

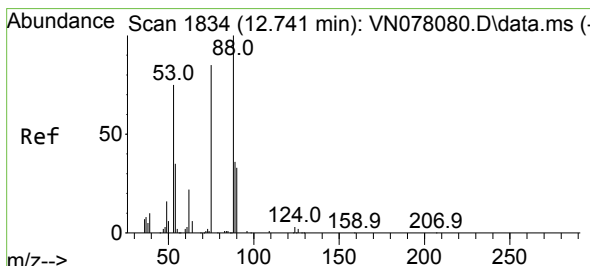
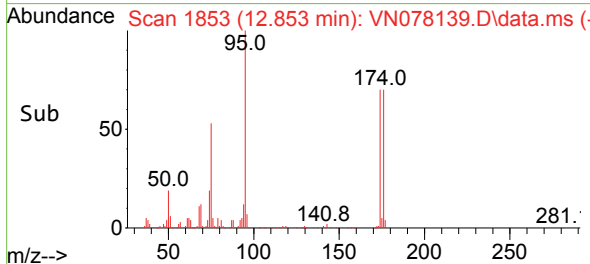
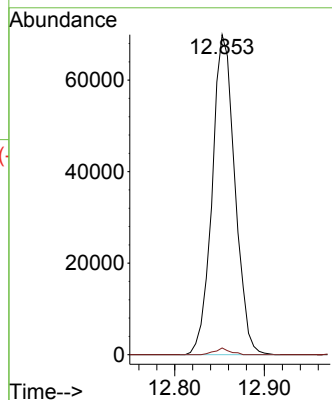
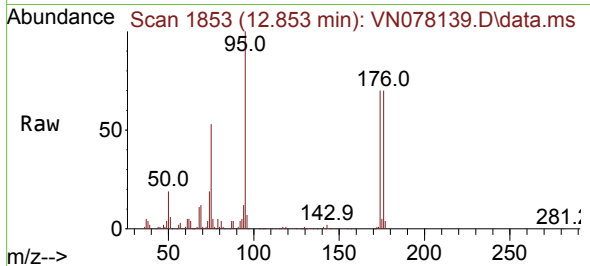




#76
1,2,3-Trichloropropane
Concen: 32.676 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

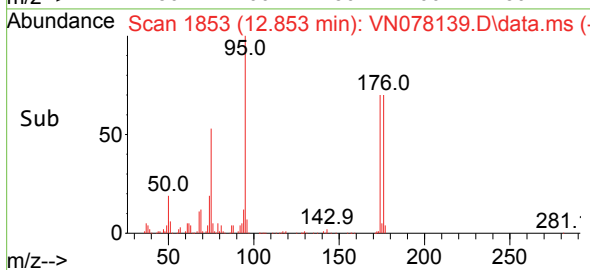
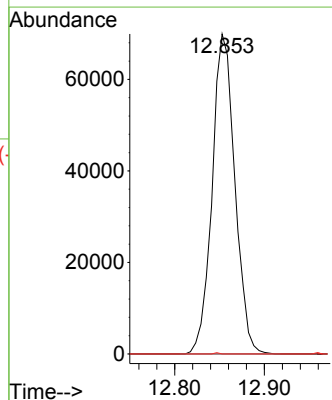
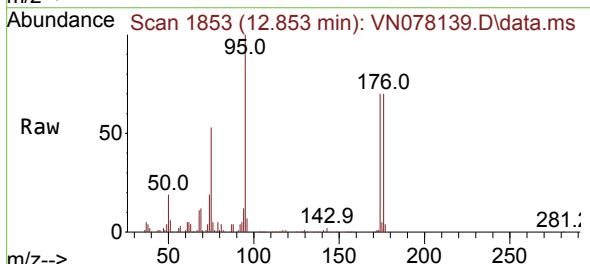
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-TB-20230602

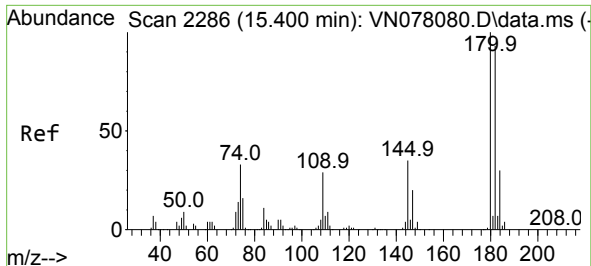
Tgt Ion: 75 Resp: 122927
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.392 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

Tgt Ion: 75 Resp: 122927
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

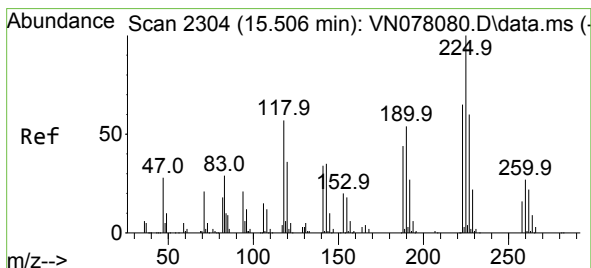
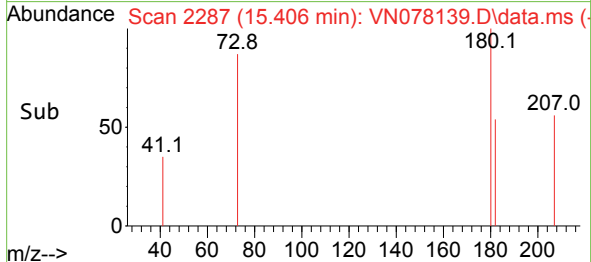
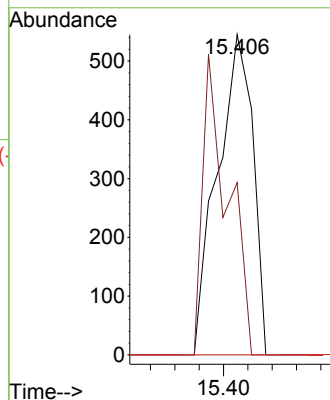
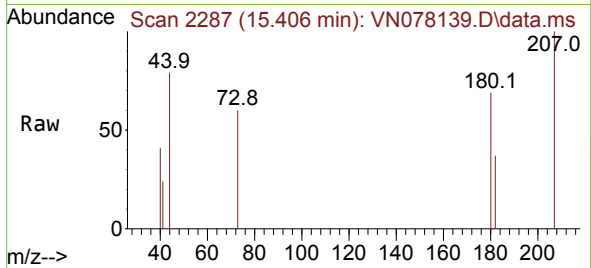




#93
1,2,4-Trichlorobenzene
Concen: 0.268 ug/l
RT: 15.406 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

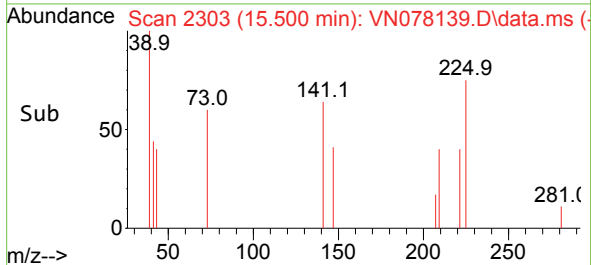
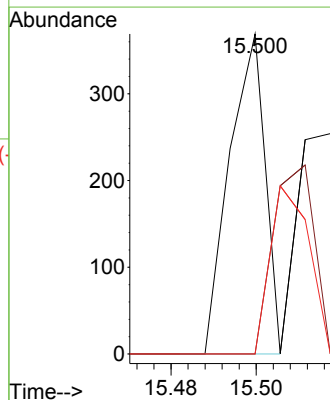
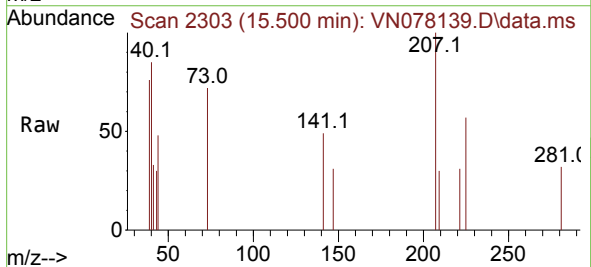
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-TB-20230602

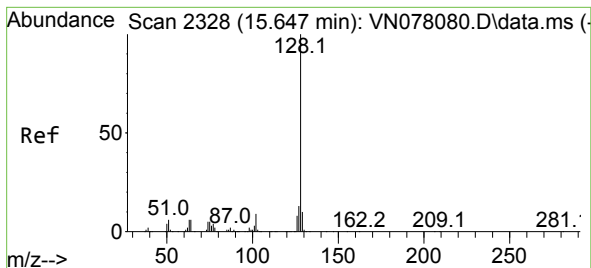
Tgt Ion:180 Resp: 551
Ion Ratio Lower Upper
180 100
182 66.6 46.1 138.2
145 0.0 16.6 49.8#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN078139.D
Acq: 09 Jun 2023 12:22

Tgt Ion:225 Resp: 214
Ion Ratio Lower Upper
225 100
223 67.8 31.3 93.8
227 57.5 31.9 95.9





#95

Naphthalene

Concen: 0.328 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN078139.D

Acq: 09 Jun 2023 12:22

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-TB-20230602

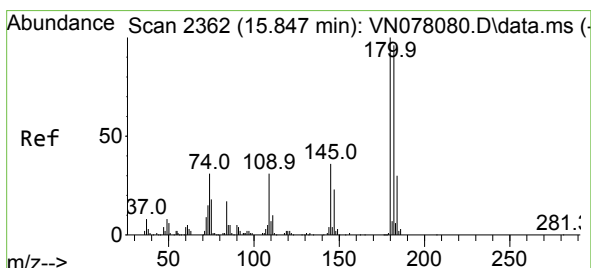
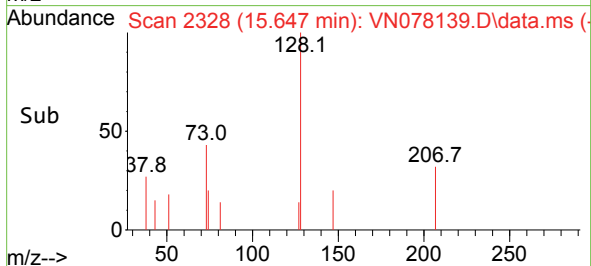
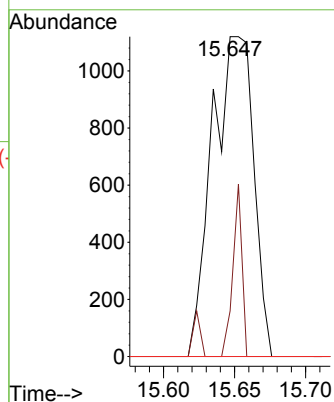
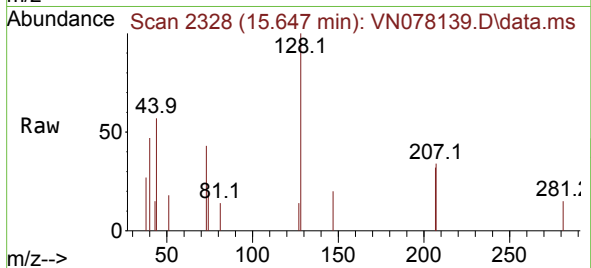
Tgt Ion:128 Resp: 2272

Ion Ratio Lower Upper

128 100

127 11.9 10.0 15.0

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.247 ug/l

RT: 15.859 min Scan# 2364

Delta R.T. 0.012 min

Lab File: VN078139.D

Acq: 09 Jun 2023 12:22

Tgt Ion:180 Resp: 568

Ion Ratio Lower Upper

180 100

182 131.3 46.2 138.6

145 37.7 17.5 52.6

