

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
 Data File : VN078445.D
 Acq On : 28 Jun 2023 16:42
 Operator : JC\MD
 Sample : 03310-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-898-900RE

Quant Time: Jun 29 05:22:57 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)

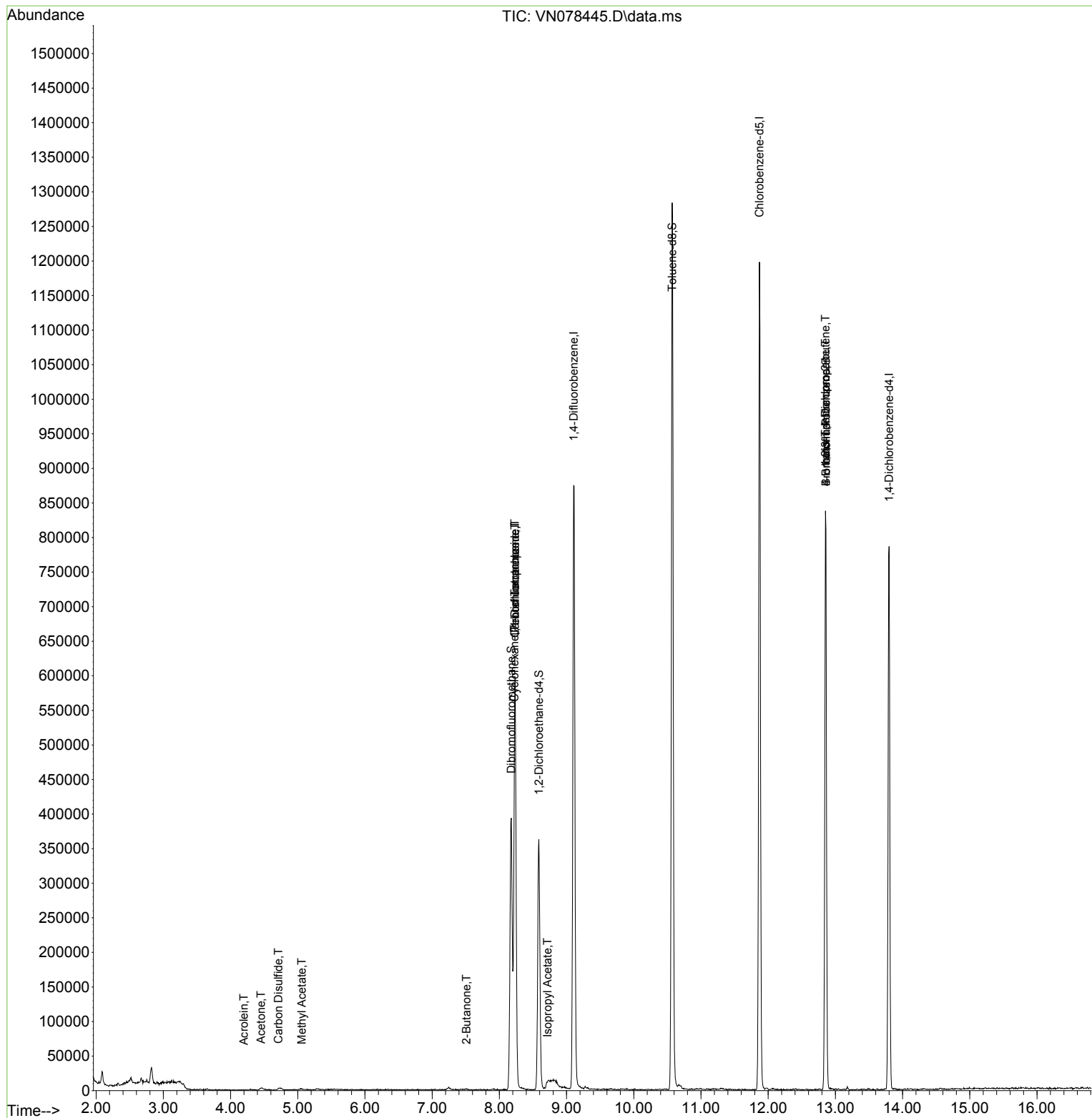
Internal Standards						
1) Pentafluorobenzene	8.235	168	433206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	807521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	724522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	219301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	301485	52.197	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.400%	
35) Dibromofluoromethane	8.177	113	285071	55.832	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.660%	
50) Toluene-d8	10.571	98	929236	47.209	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.420%	
62) 4-Bromofluorobenzene	12.859	95	292119	47.739	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.480%	
Target Compounds						
3) Chloromethane	2.377	50	1717	Below Cal	Qvalue 91	
13) Acrolein	4.200	56	207	0.235 ug/l	#	16
16) Acetone	4.453	43	5606	3.372 ug/l		92
17) Carbon Disulfide	4.712	76	2671	0.219 ug/l	#	94
18) Methyl Acetate	5.059	43	3017	0.394 ug/l	#	57
25) 2-Butanone	7.512	43	1700	0.665 ug/l	#	76
31) Cyclohexane	8.224	56	10328	1.394 ug/l	#	45
36) 1,1-Dichloropropene	8.230	75	36484	4.982 ug/l	#	48
38) Carbon Tetrachloride	8.230	117	47222	6.106 ug/l	#	17
43) Isopropyl Acetate	8.718	43	6869	0.628 ug/l	#	49
71) Bromoform	12.859	173	2727	0.740 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	89	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	158149	30.505 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	158149	93.721 ug/l	#	15

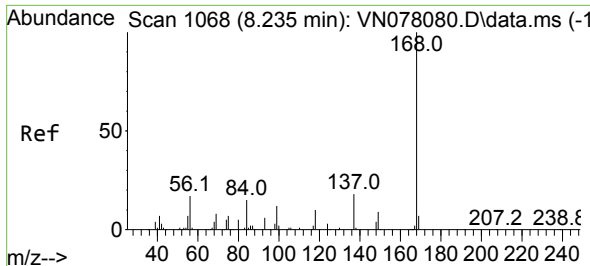
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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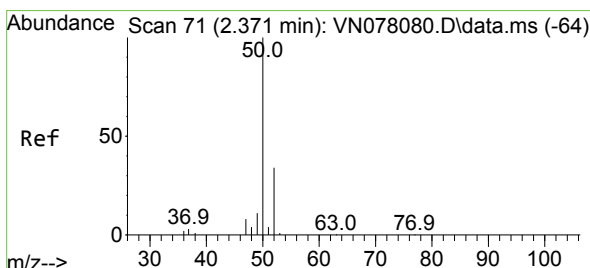
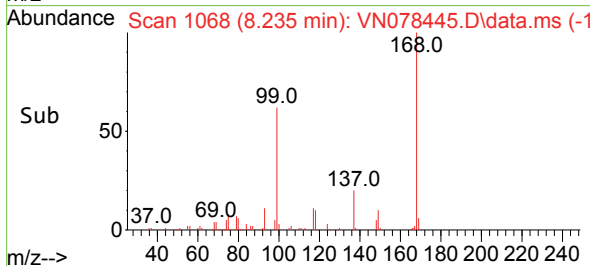
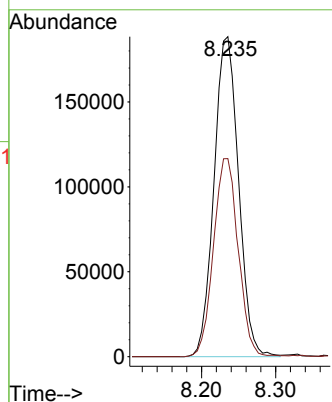
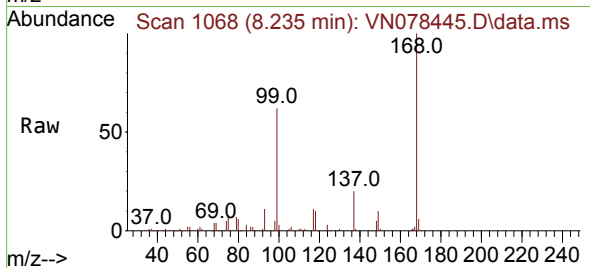




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078445.D
Acq: 28 Jun 2023 16:42

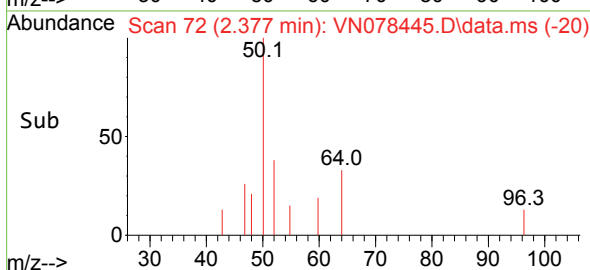
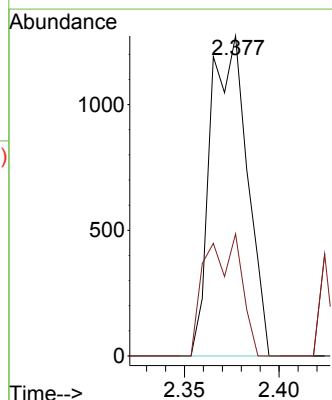
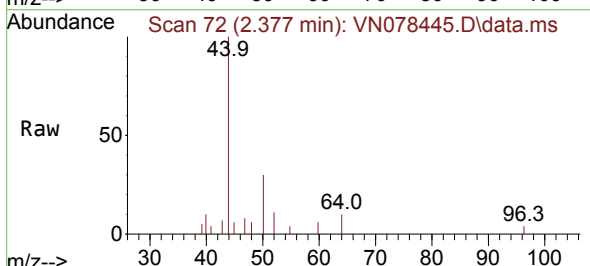
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-898-900RE

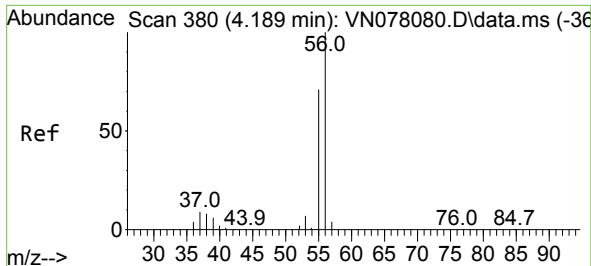
Tgt Ion:168 Resp: 433206
Ion Ratio Lower Upper
168 100
99 61.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078445.D
Acq: 28 Jun 2023 16:42

Tgt Ion: 50 Resp: 1717
Ion Ratio Lower Upper
50 100
52 38.2 26.5 39.7





#13

Acrolein

Concen: 0.235 ug/l

RT: 4.200 min Scan# 382

Delta R.T. 0.012 min

Lab File: VN078445.D

Acq: 28 Jun 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

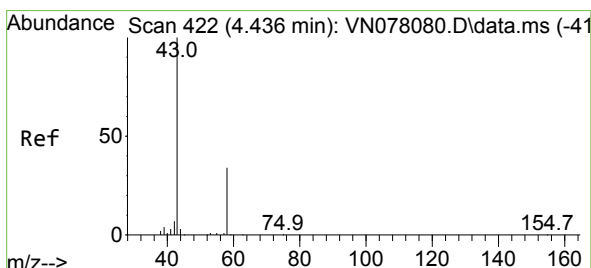
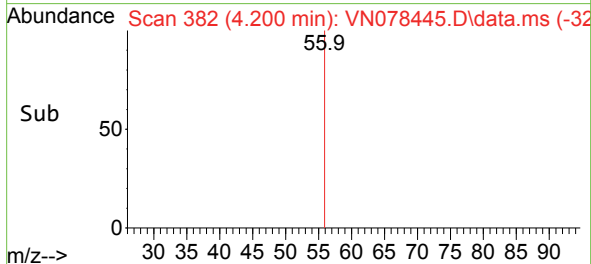
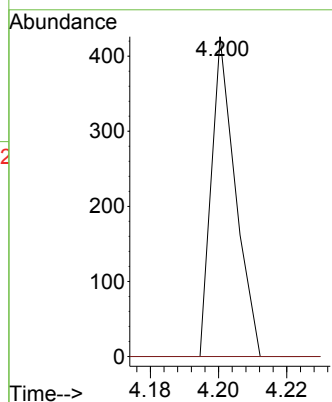
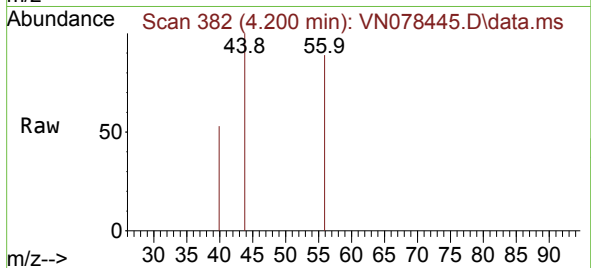
BP-VPB-RW11-GW-898-900RE

Tgt Ion: 56 Resp: 207

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#



#16

Acetone

Concen: 3.372 ug/l

RT: 4.453 min Scan# 425

Delta R.T. 0.018 min

Lab File: VN078445.D

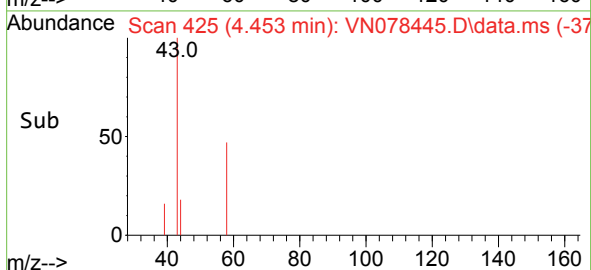
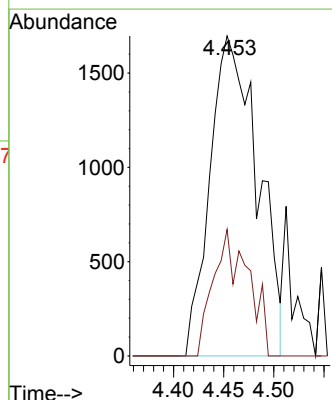
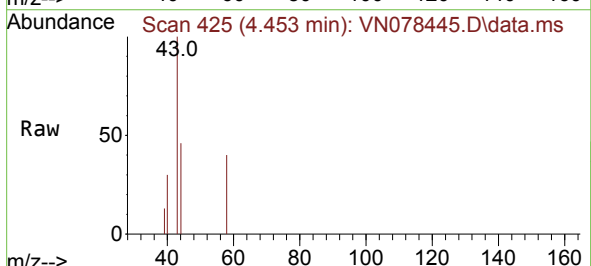
Acq: 28 Jun 2023 16:42

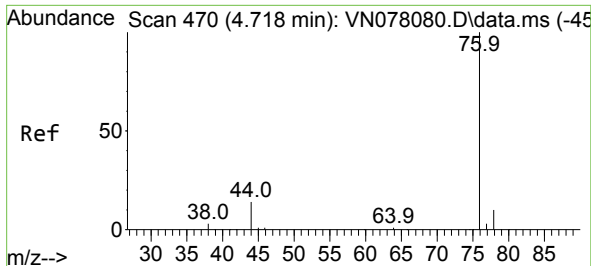
Tgt Ion: 43 Resp: 5606

Ion Ratio Lower Upper

43 100

58 39.5 28.0 42.0

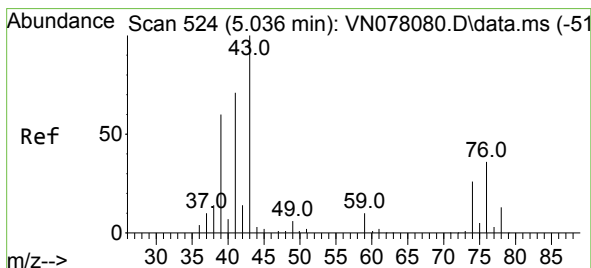
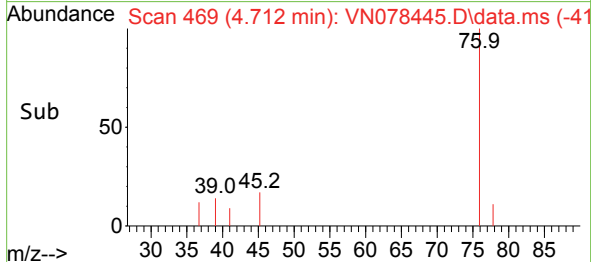
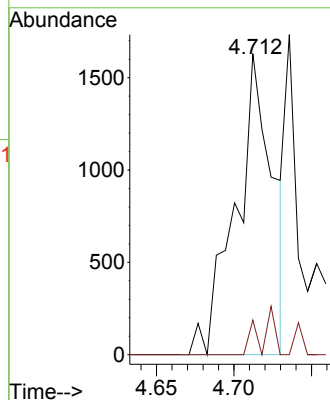
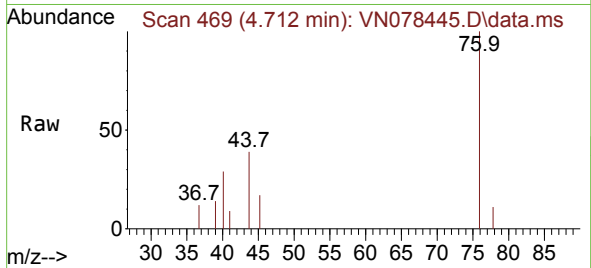




#17
Carbon Disulfide
Concen: 0.219 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN078445.D
Acq: 28 Jun 2023 16:42

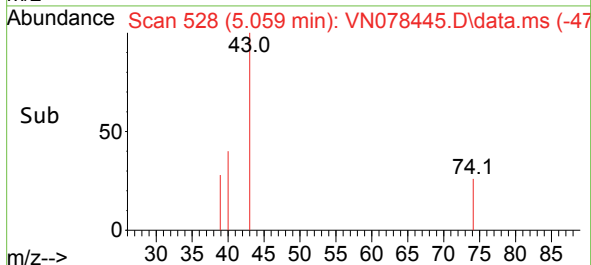
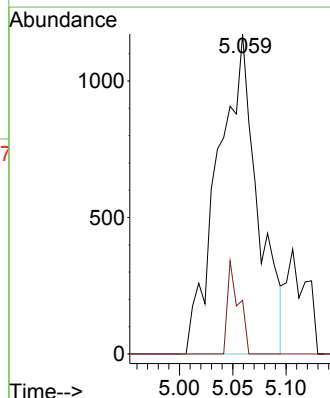
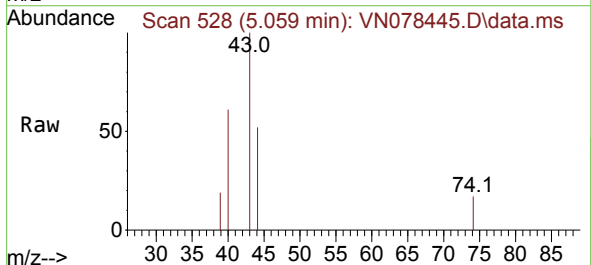
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-898-900RE

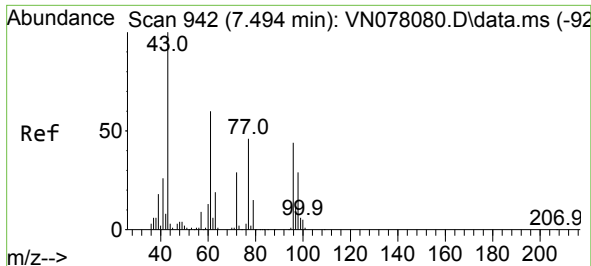
Tgt Ion: 76 Resp: 2671
Ion Ratio Lower Upper
76 100
78 11.5 7.4 11.0#



#18
Methyl Acetate
Concen: 0.394 ug/l
RT: 5.059 min Scan# 528
Delta R.T. 0.024 min
Lab File: VN078445.D
Acq: 28 Jun 2023 16:42

Tgt Ion: 43 Resp: 3017
Ion Ratio Lower Upper
43 100
74 8.4 26.2 39.4#

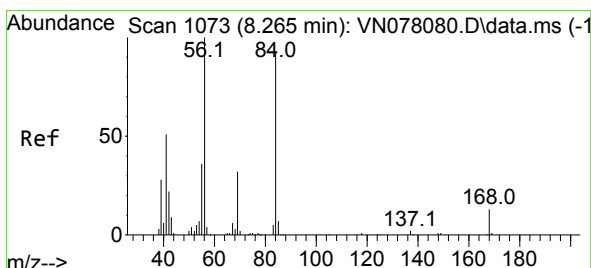
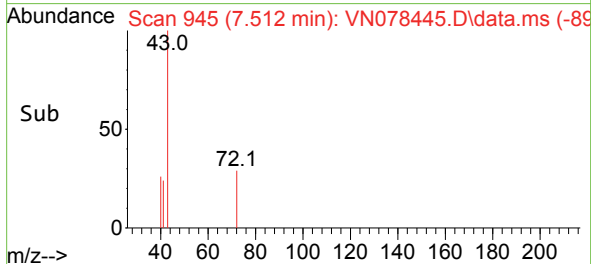
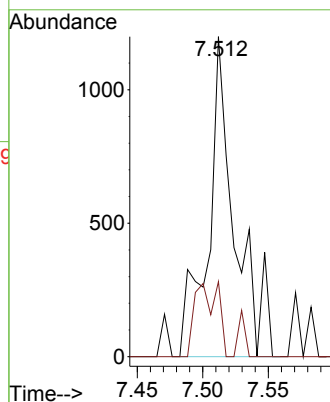
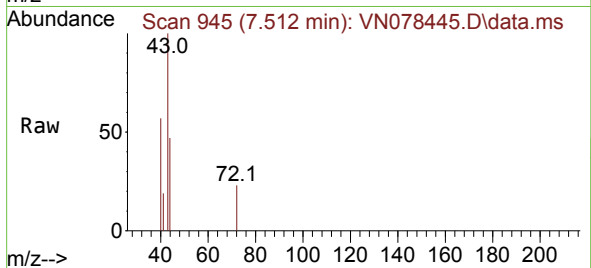




#25
2-Butanone
Concen: 0.665 ug/l
RT: 7.512 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN078445.D
Acq: 28 Jun 2023 16:42

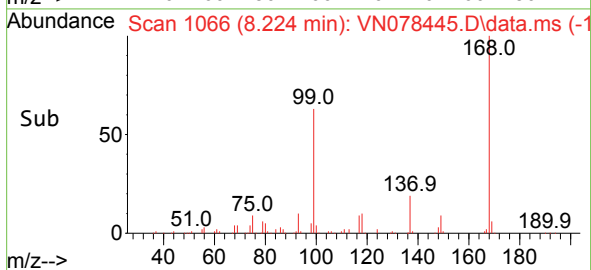
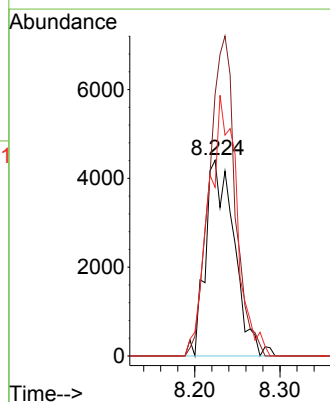
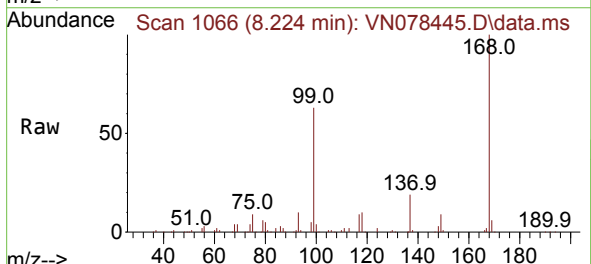
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-898-900RE

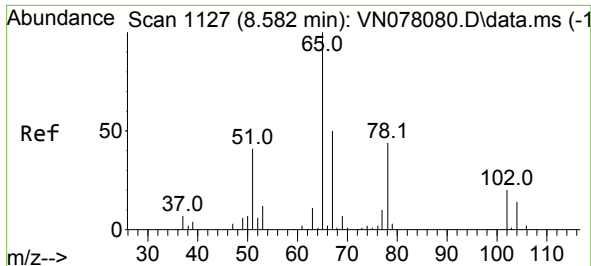
Tgt Ion: 43 Resp: 1700
Ion Ratio Lower Upper
43 100
72 23.4 30.2 45.2#



#31
Cyclohexane
Concen: 1.394 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078445.D
Acq: 28 Jun 2023 16:42

Tgt Ion: 56 Resp: 10328
Ion Ratio Lower Upper
56 100
69 133.6 26.8 40.2#
84 86.2 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 52.197 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078445.D

Acq: 28 Jun 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

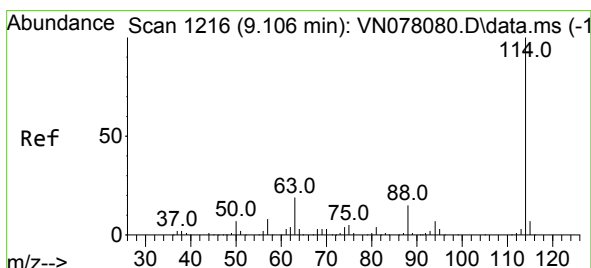
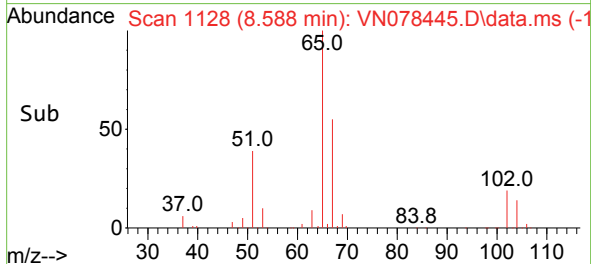
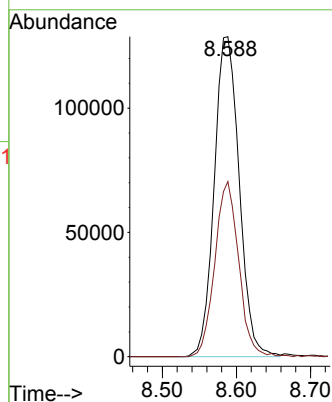
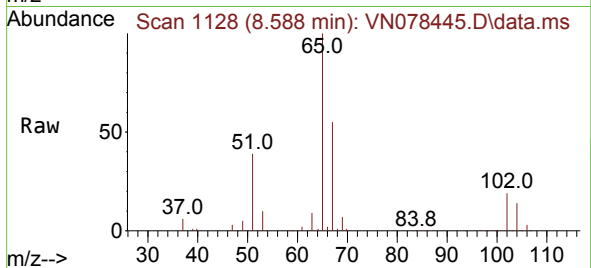
BP-VPB-RW11-GW-898-900RE

Tgt Ion: 65 Resp: 301485

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: VN078445.D

Acq: 28 Jun 2023 16:42

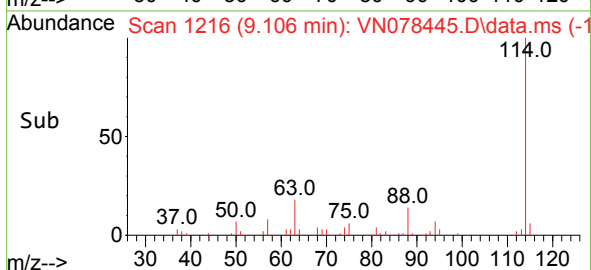
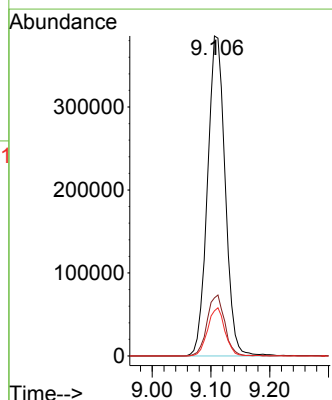
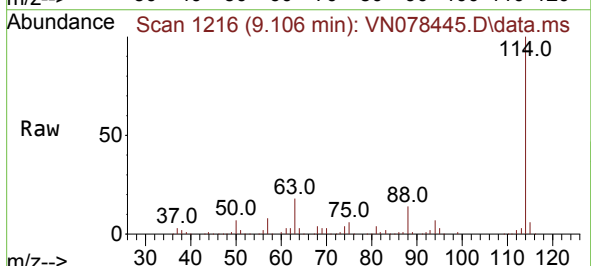
Tgt Ion: 114 Resp: 807521

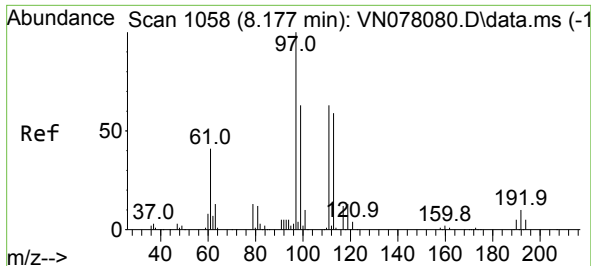
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.4

88 14.1 0.0 30.6

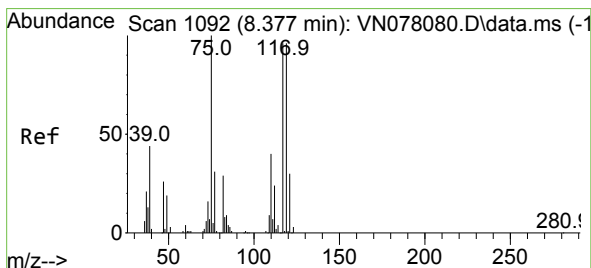
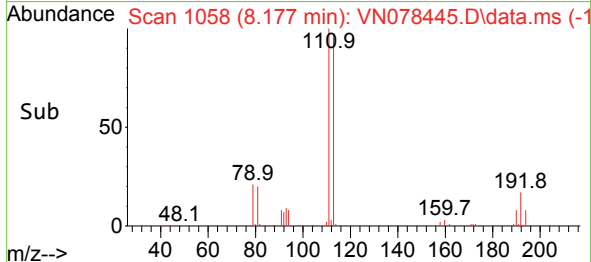
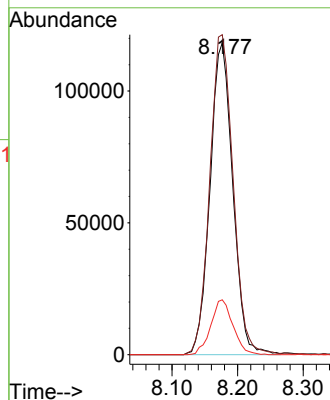
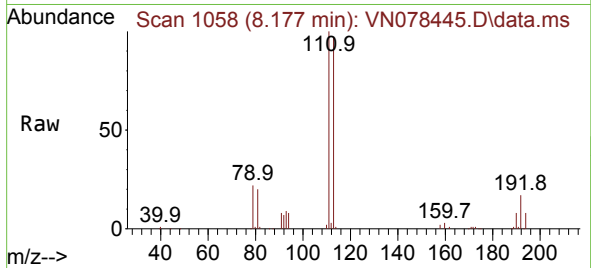




#35
Dibromofluoromethane
Concen: 55.832 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078445.D
Acq: 28 Jun 2023 16:42

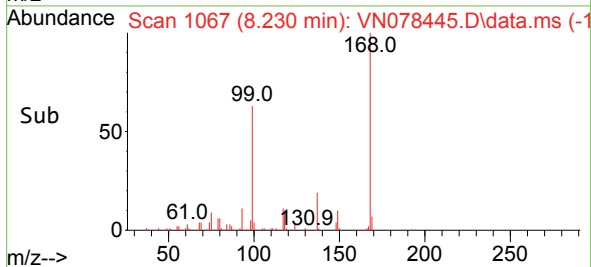
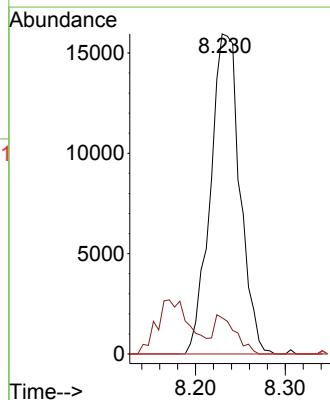
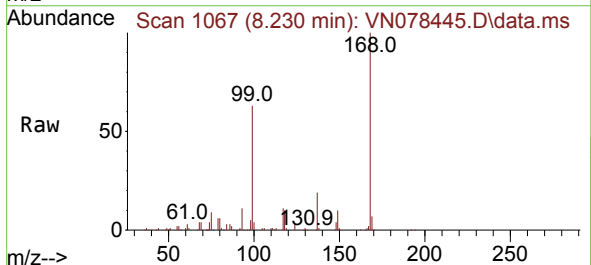
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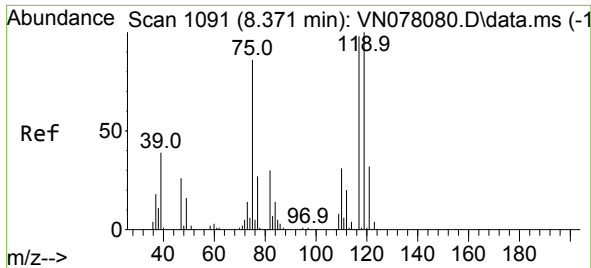
Tgt Ion:113 Resp: 285071
Ion Ratio Lower Upper
113 100
111 105.6 82.6 123.8
192 17.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.982 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078445.D
Acq: 28 Jun 2023 16:42

Tgt Ion: 75 Resp: 36484
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.0 25.0 37.4#

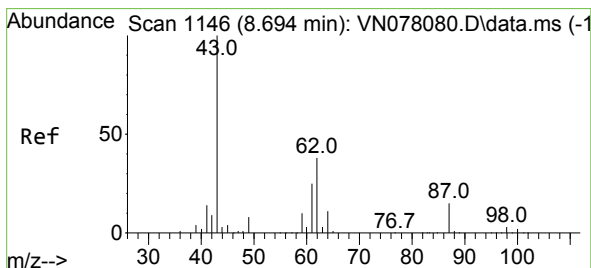
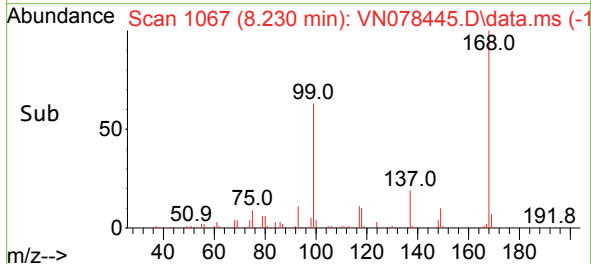
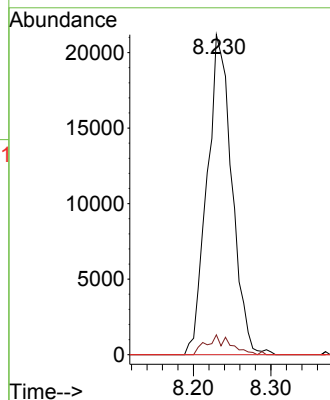
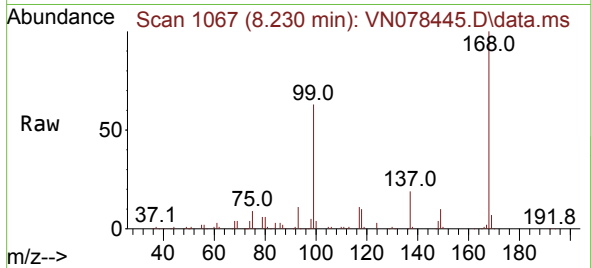




#38
Carbon Tetrachloride
Concen: 6.106 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN078445.D
Acq: 28 Jun 2023 16:42

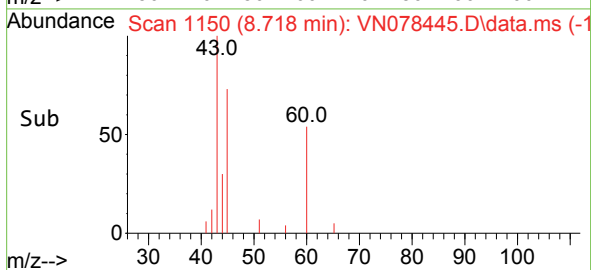
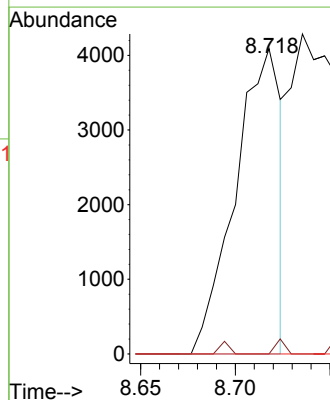
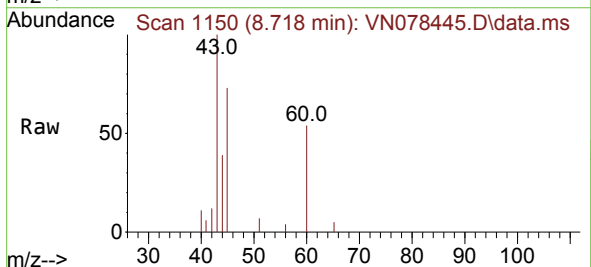
Instrument :
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BP-VPB-RW11-GW-898-900RE

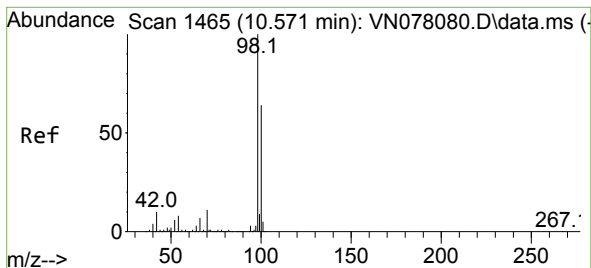
Tgt Ion:117 Resp: 47222
Ion Ratio Lower Upper
117 100
119 6.2 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.628 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.024 min
Lab File: VN078445.D
Acq: 28 Jun 2023 16:42

Tgt Ion: 43 Resp: 6869
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 47.209 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078445.D

Acq: 28 Jun 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

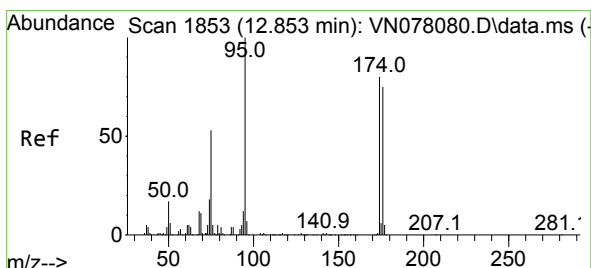
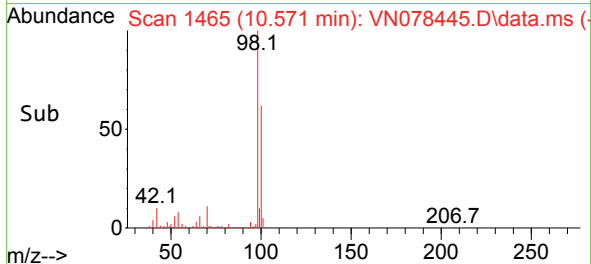
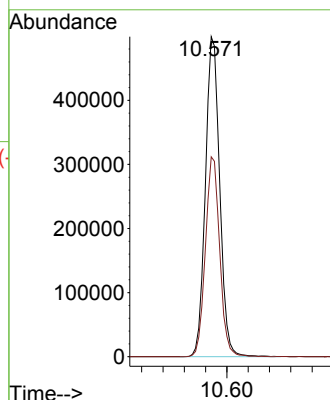
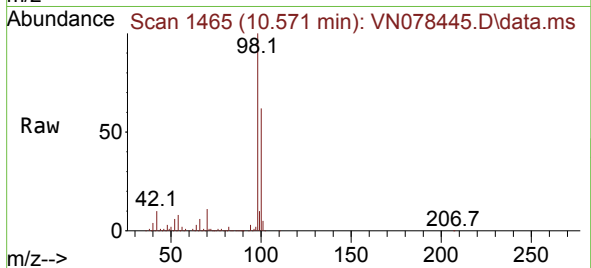
BP-VPB-RW11-GW-898-900RE

Tgt Ion: 98 Resp: 929236

Ion Ratio Lower Upper

98 100

100 62.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 47.739 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN078445.D

Acq: 28 Jun 2023 16:42

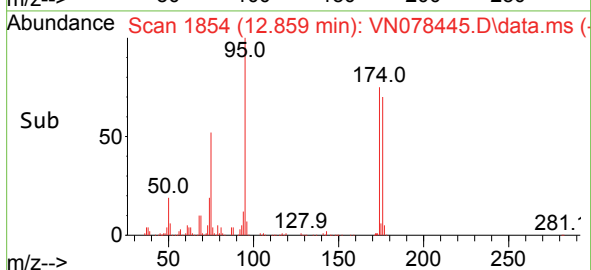
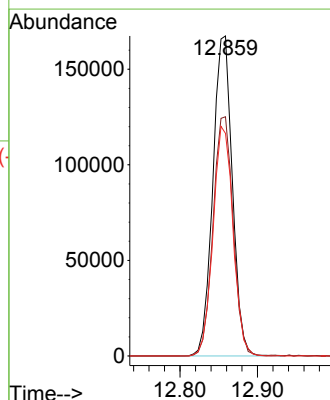
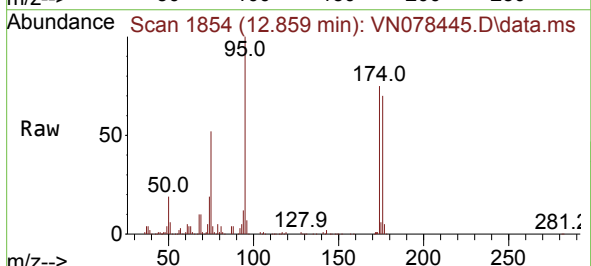
Tgt Ion: 95 Resp: 292119

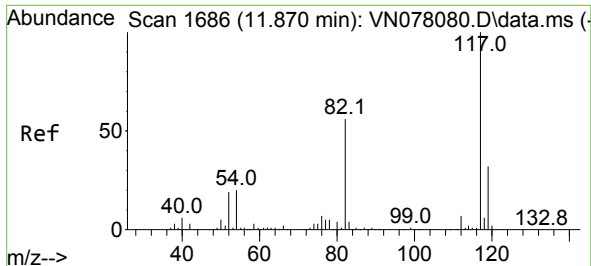
Ion Ratio Lower Upper

95 100

174 77.0 0.0 143.8

176 73.5 0.0 135.8

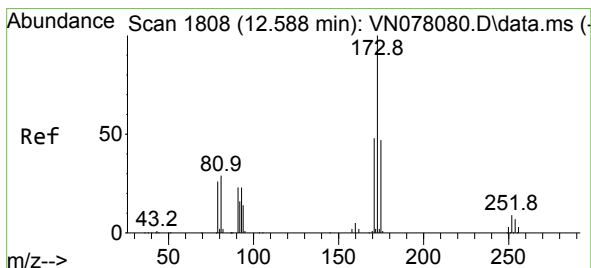
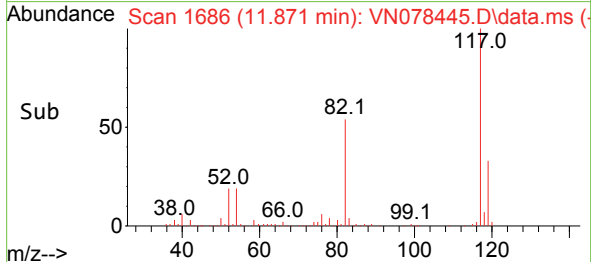
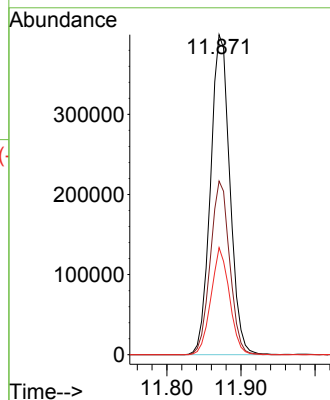
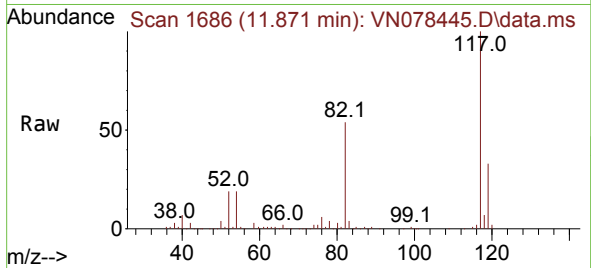




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1185
Delta R.T. 0.000 min
Lab File: VN078445.D
Acq: 28 Jun 2023 16:42

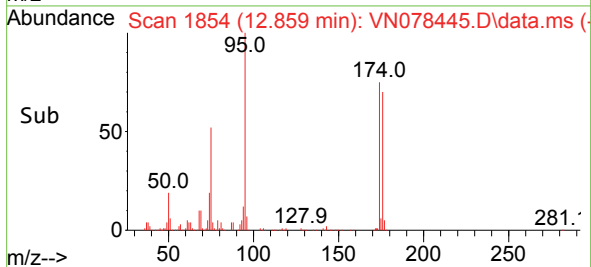
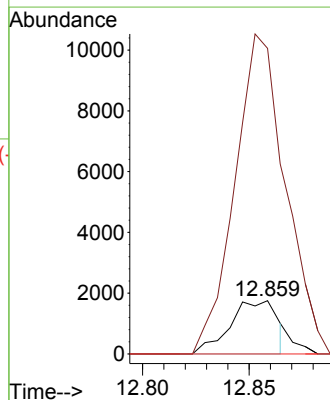
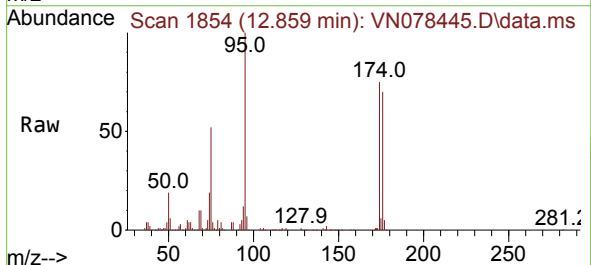
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-898-900RE

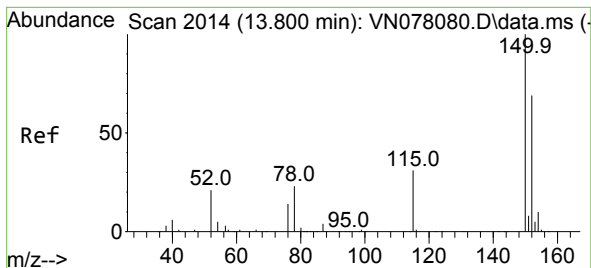
Tgt Ion:117 Resp: 724522
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 33.4 25.6 38.4



#71
Bromoform
Concen: 0.740 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078445.D
Acq: 28 Jun 2023 16:42

Tgt Ion:173 Resp: 2727
Ion Ratio Lower Upper
173 100
175 539.7 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: VN078445.D

Acq: 28 Jun 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-898-900RE

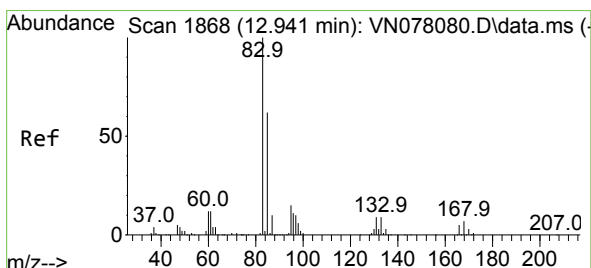
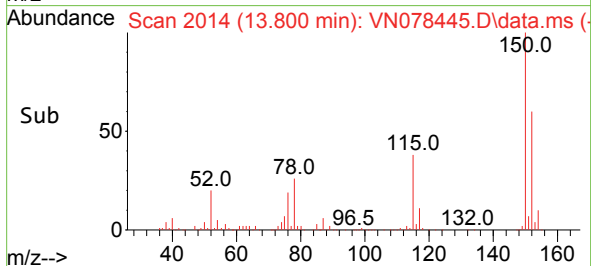
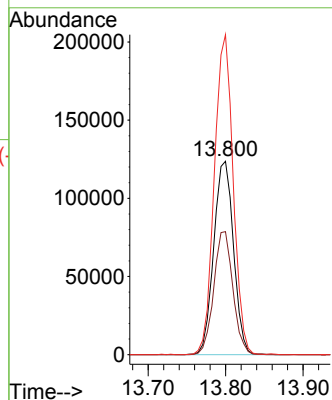
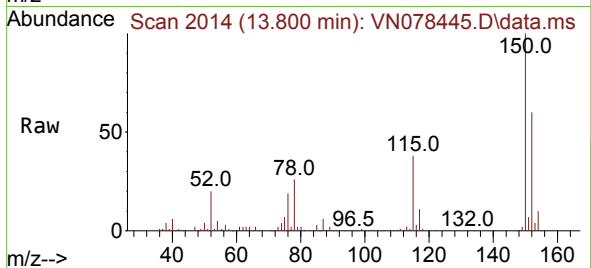
Tgt Ion:152 Resp: 219301

Ion Ratio Lower Upper

152 100

115 61.6 32.3 96.8

150 157.4 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: VN078445.D

Acq: 28 Jun 2023 16:42

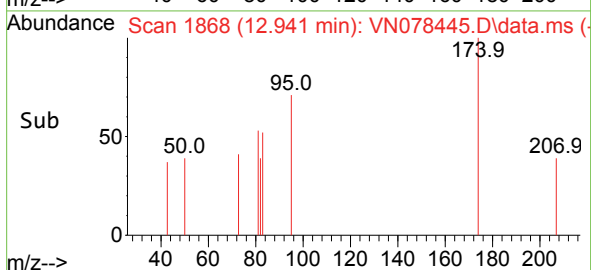
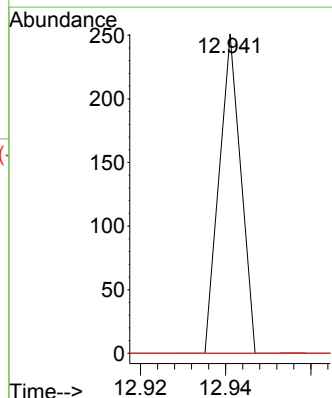
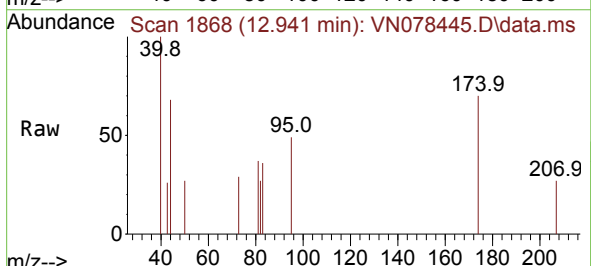
Tgt Ion: 83 Resp: 89

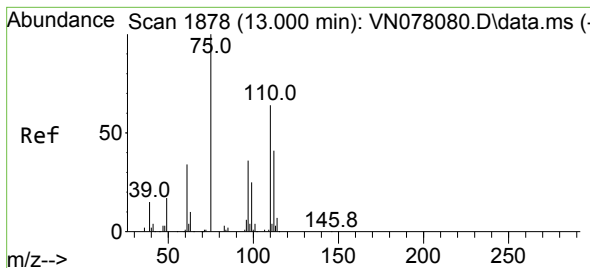
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 30.505 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078445.D

Acq: 28 Jun 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

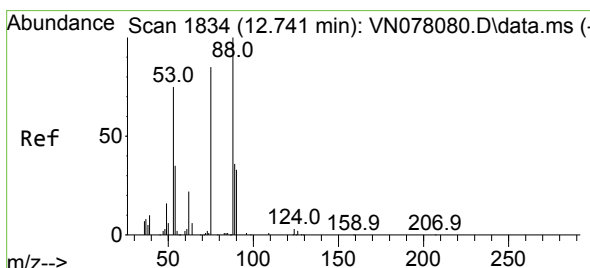
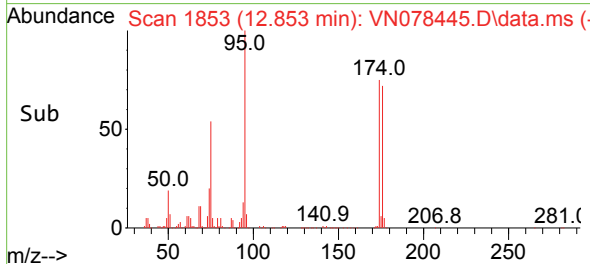
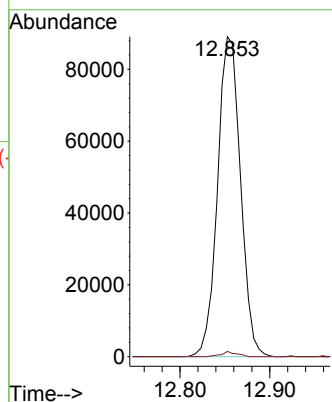
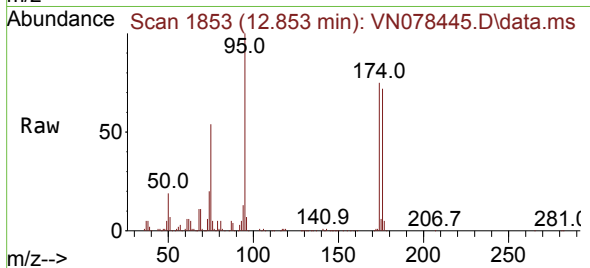
BP-VPB-RW11-GW-898-900RE

Tgt Ion: 75 Resp: 158149

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.721 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078445.D

Acq: 28 Jun 2023 16:42

Tgt Ion: 75 Resp: 158149

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.1 38.8 58.2#

