

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
 Data File : VN078442.D
 Acq On : 28 Jun 2023 15:30
 Operator : JC\MD
 Sample : 03310-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-TB-20230609RE

Quant Time: Jun 29 05:21:52 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)

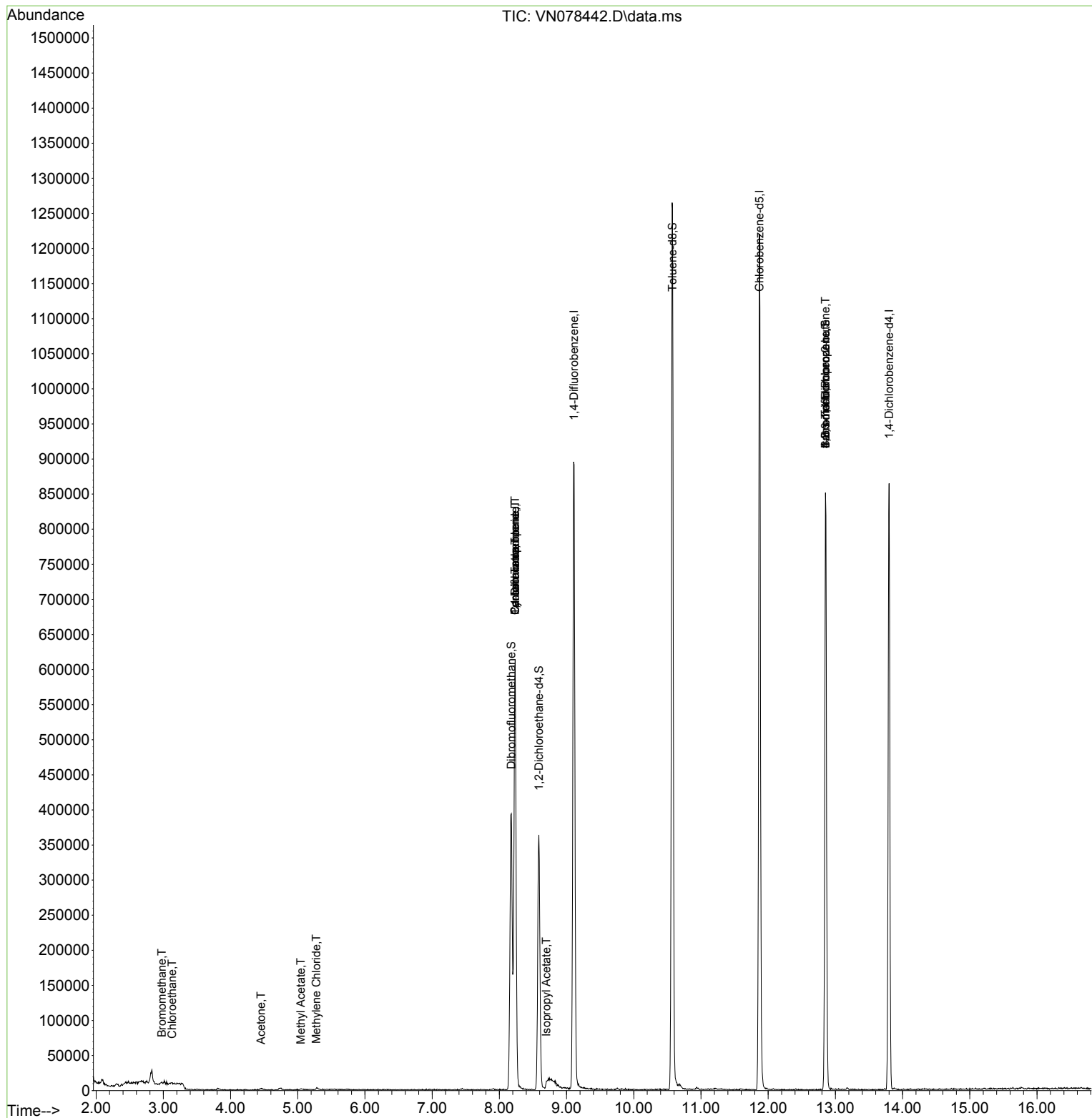
Internal Standards						
1) Pentafluorobenzene	8.235	168	439821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	813966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	729391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	238732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	302159	51.526	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.060%	
35) Dibromofluoromethane	8.177	113	292780	56.888	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.780%	
50) Toluene-d8	10.576	98	936630	47.208	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.420%	
62) 4-Bromofluorobenzene	12.853	95	312206	50.617	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1281	Below Cal		99
5) Bromomethane	2.977	94	1424	0.289 ug/l	#	72
6) Chloroethane	3.130	64	1013	0.228 ug/l		93
16) Acetone	4.453	43	1756	1.040 ug/l	#	82
18) Methyl Acetate	5.047	43	1664	0.214 ug/l	#	49
20) Methylene Chloride	5.277	84	1227	0.220 ug/l	#	77
31) Cyclohexane	8.235	56	10833	1.440 ug/l	#	45
36) 1,1-Dichloropropene	8.235	75	37778	5.117 ug/l	#	47
38) Carbon Tetrachloride	8.235	117	47147	6.048 ug/l	#	15
43) Isopropyl Acetate	8.700	43	4602	0.417 ug/l	#	50
71) Bromoform	12.853	173	2637	0.711 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.888	83	65	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	158763	28.131 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	158763	86.427 ug/l	#	15

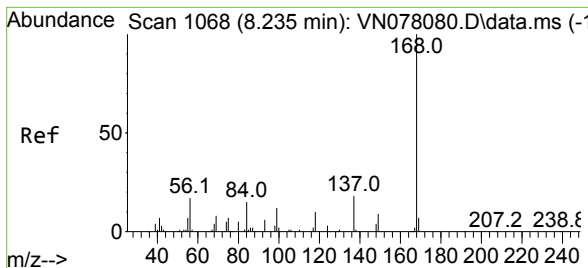
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078442.D

Acq: 28 Jun 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

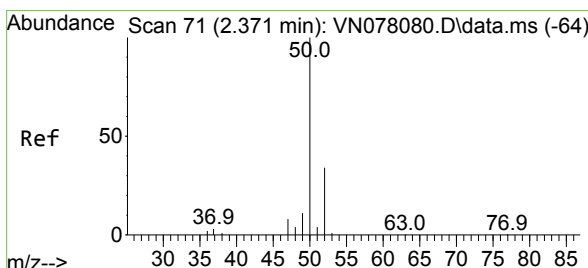
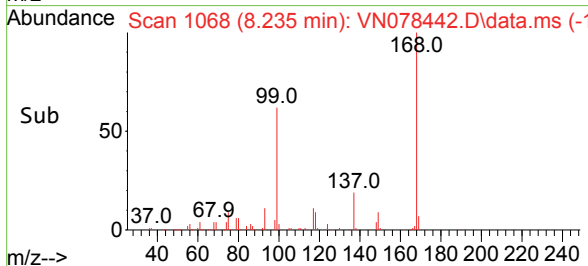
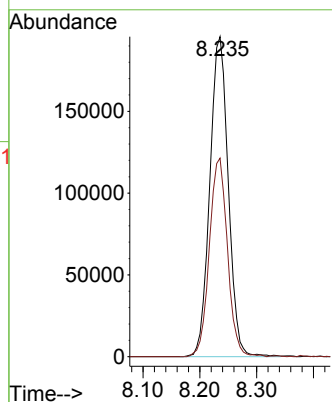
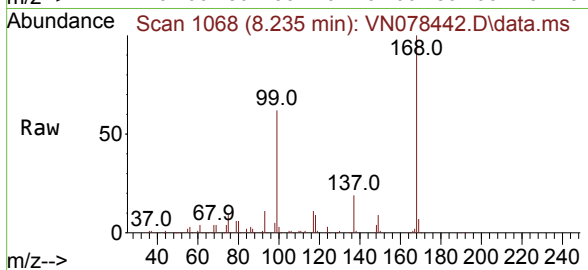
BP-VPB-RW5-TB-20230609RE

Tgt Ion:168 Resp: 439821

Ion Ratio Lower Upper

168 100

99 62.0 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078442.D

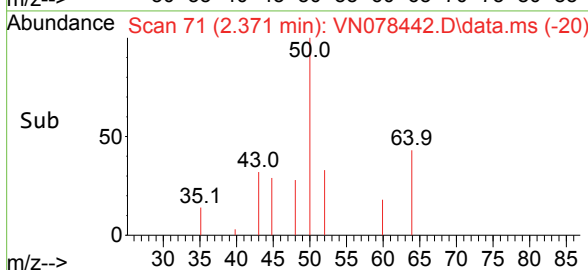
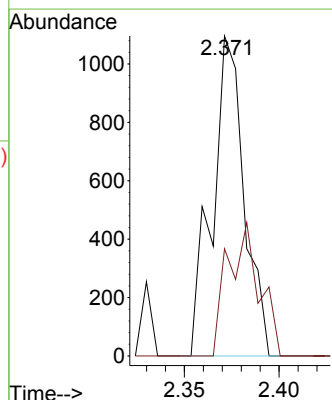
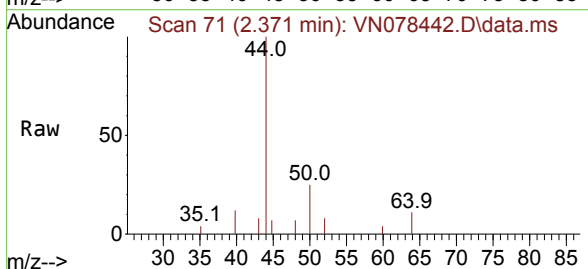
Acq: 28 Jun 2023 15:30

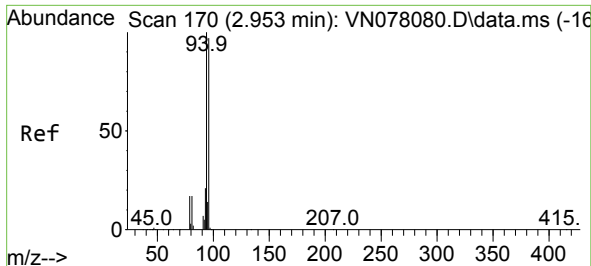
Tgt Ion: 50 Resp: 1281

Ion Ratio Lower Upper

50 100

52 33.5 26.5 39.7

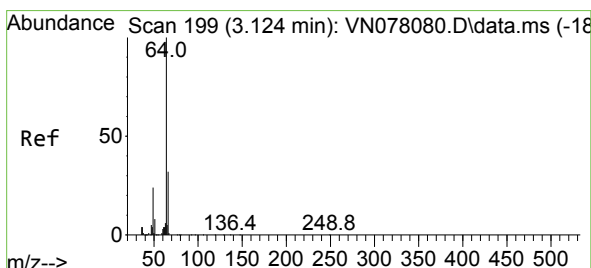
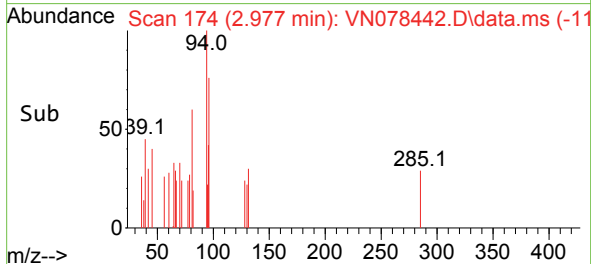
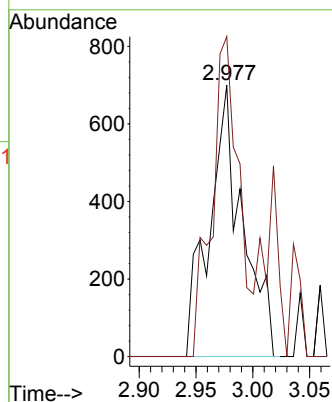
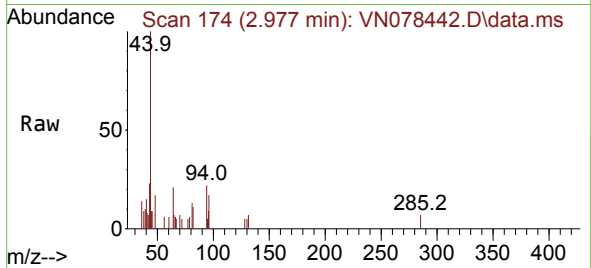




#5
Bromomethane
Concen: 0.289 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

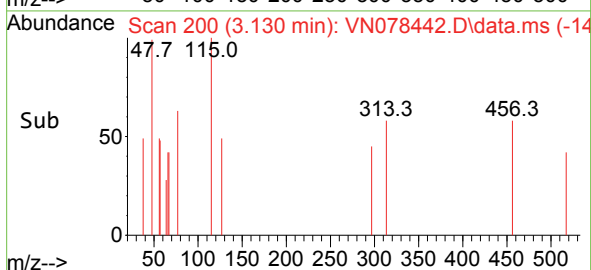
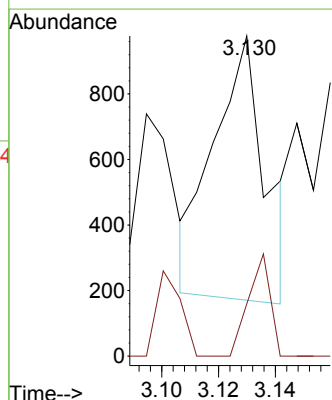
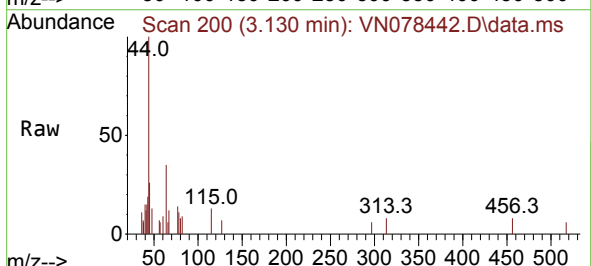
Instrument :
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BP-VPB-RW5-TB-20230609RE

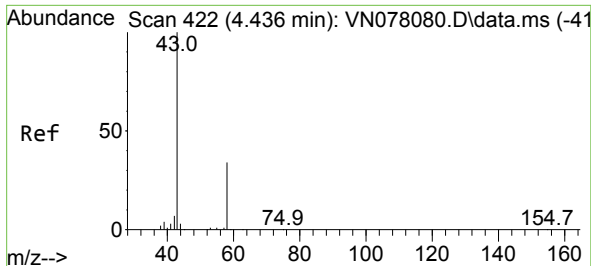
Tgt Ion: 94 Resp: 1424
Ion Ratio Lower Upper
94 100
96 117.9 73.1 109.7#



#6
Chloroethane
Concen: 0.228 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

Tgt Ion: 64 Resp: 1013
Ion Ratio Lower Upper
64 100
66 28.1 25.4 38.2

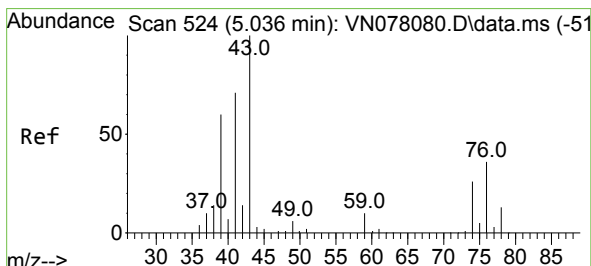
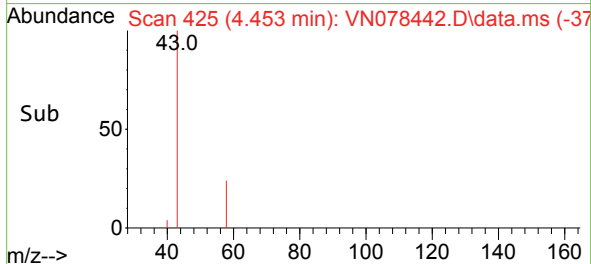
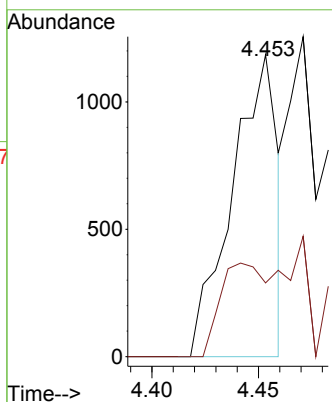
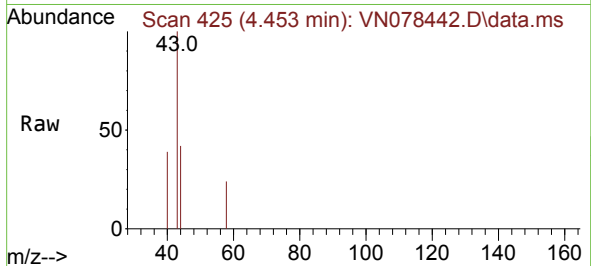




#16
Acetone
Concen: 1.040 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

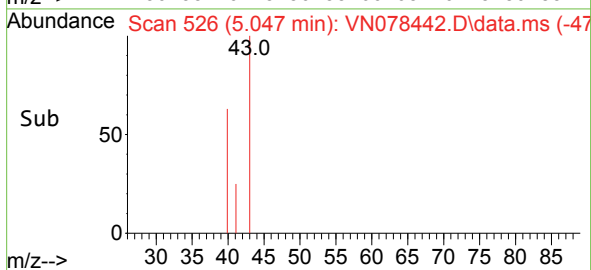
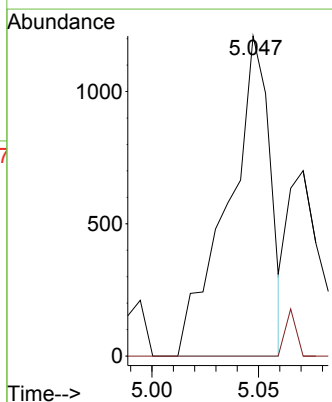
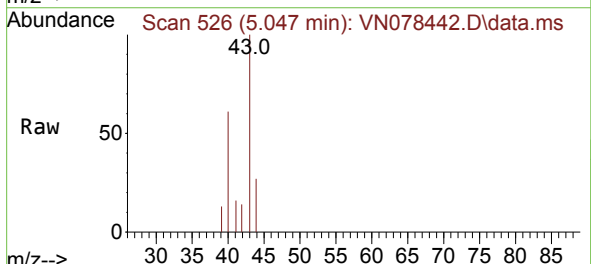
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20230609RE

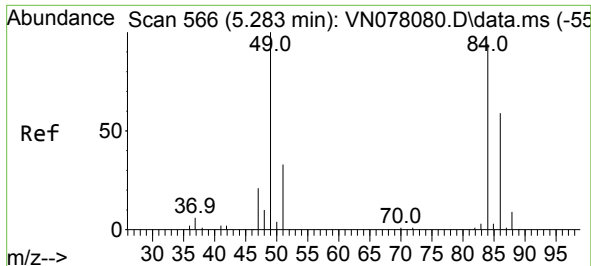
Tgt Ion: 43 Resp: 1756
Ion Ratio Lower Upper
43 100
58 24.4 28.0 42.0#



#18
Methyl Acetate
Concen: 0.214 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.012 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

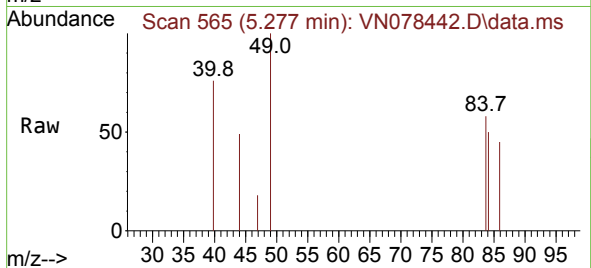
Tgt Ion: 43 Resp: 1664
Ion Ratio Lower Upper
43 100
74 3.8 26.2 39.4#





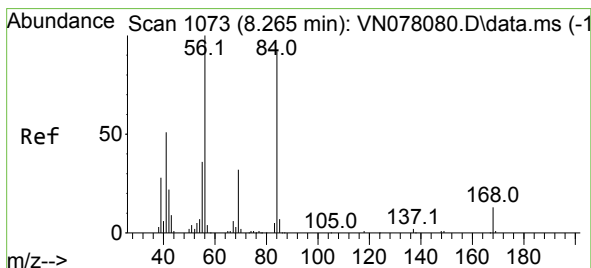
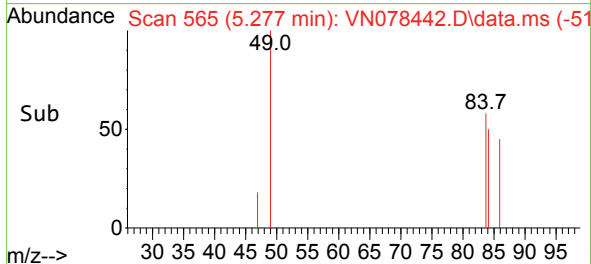
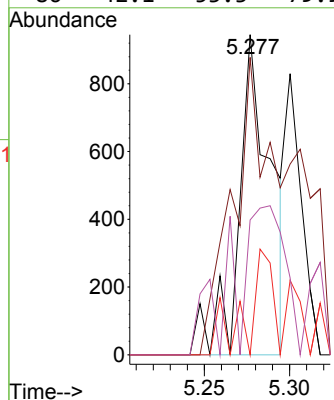
#20
Methylene Chloride
Concen: 0.220 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20230609RE



Tgt Ion: 84 Resp: 1227

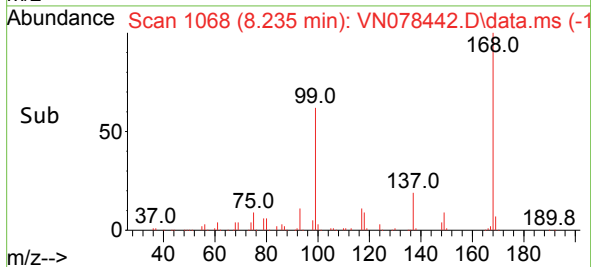
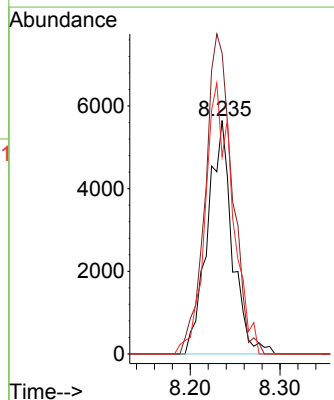
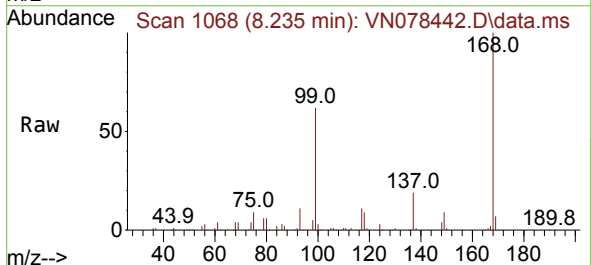
Ion	Ratio	Lower	Upper
84	100		
49	92.9	79.7	119.5
51	0.0	25.2	37.8#
86	42.1	53.3	79.9#

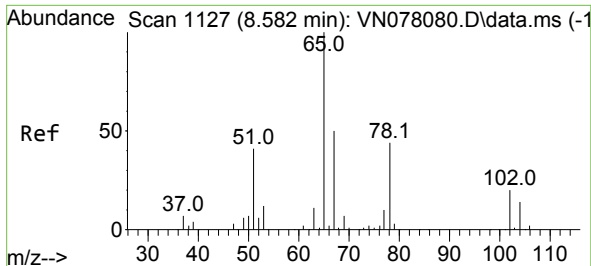


#31
Cyclohexane
Concen: 1.440 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

Tgt Ion: 56 Resp: 10833

Ion	Ratio	Lower	Upper
56	100		
69	128.9	26.8	40.2#
84	84.5	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 51.526 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078442.D

Acq: 28 Jun 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

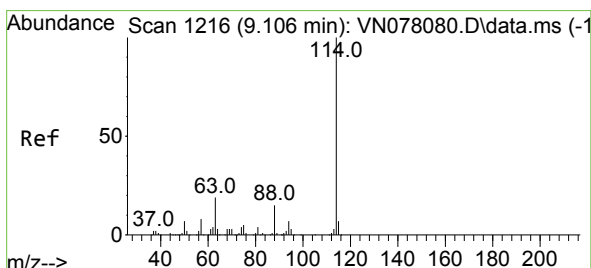
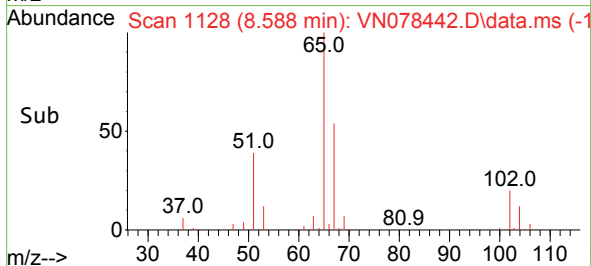
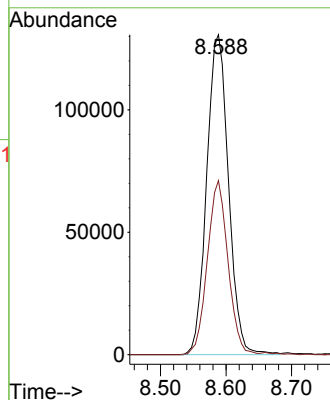
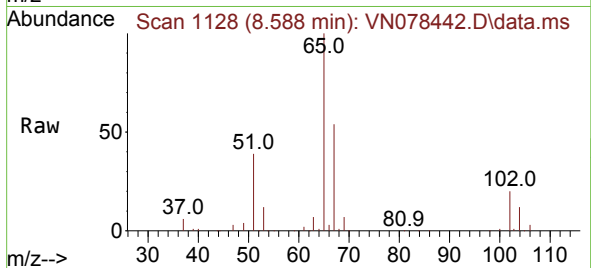
BP-VPB-RW5-TB-20230609RE

Tgt Ion: 65 Resp: 302159

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# 1217

Delta R.T. 0.006 min

Lab File: VN078442.D

Acq: 28 Jun 2023 15:30

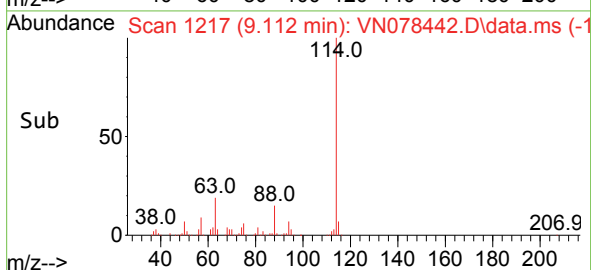
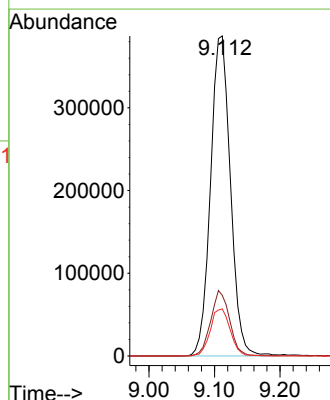
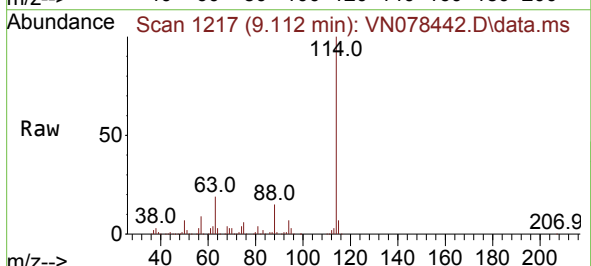
Tgt Ion: 114 Resp: 813966

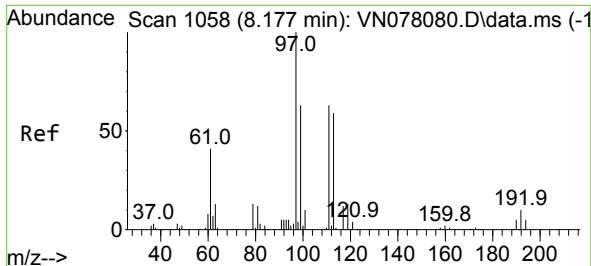
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 14.7 0.0 30.6

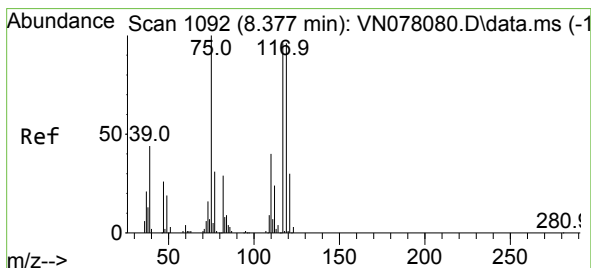
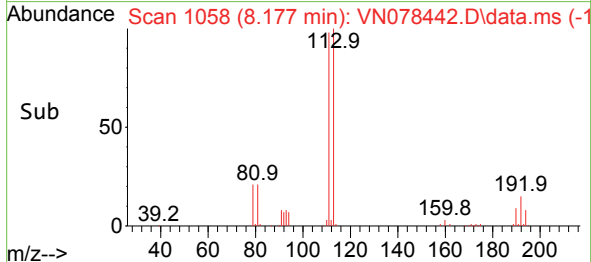
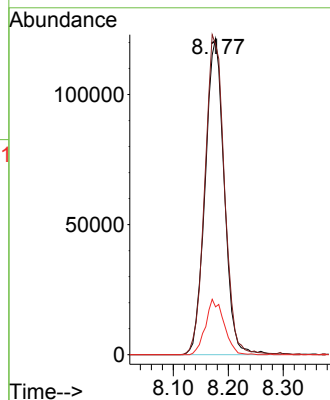
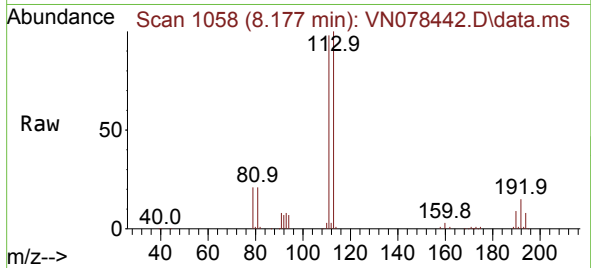




#35
Dibromofluoromethane
Concen: 56.888 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

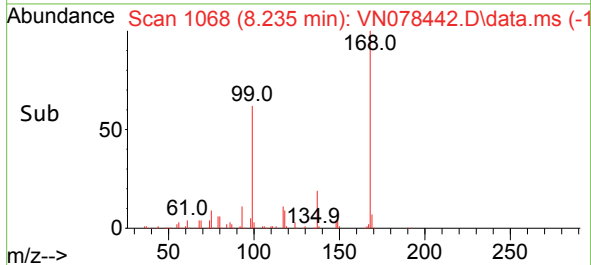
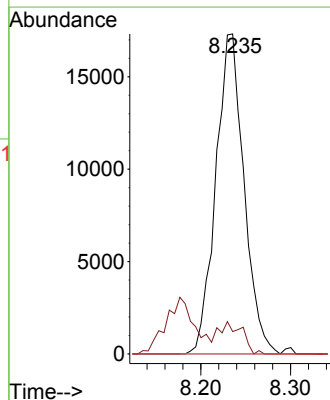
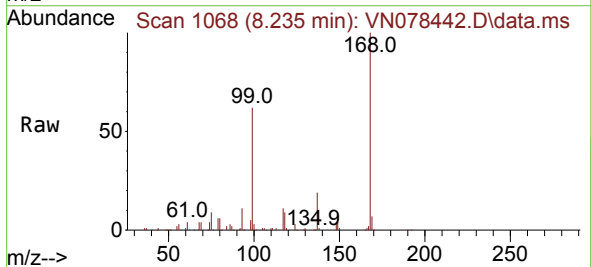
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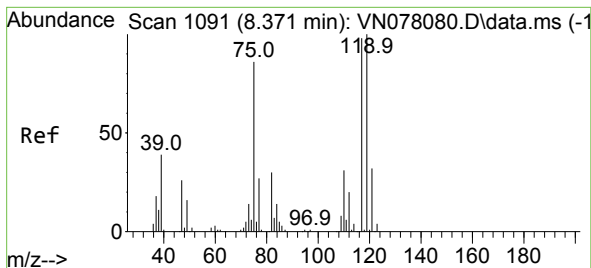
Tgt Ion:113 Resp: 292780
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 17.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.117 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

Tgt Ion: 75 Resp: 37778
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.048 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN078442.D

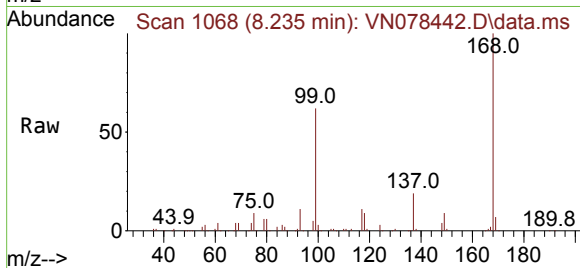
Acq: 28 Jun 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-TB-20230609RE



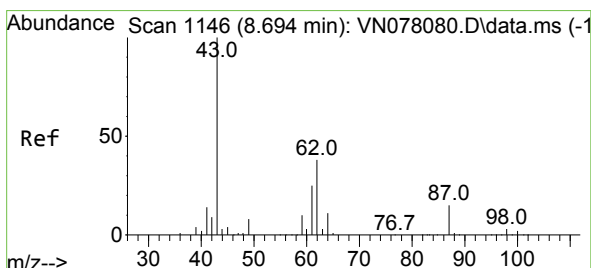
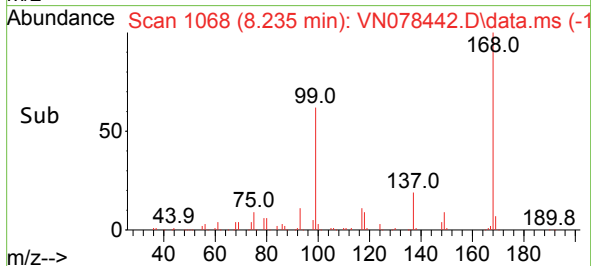
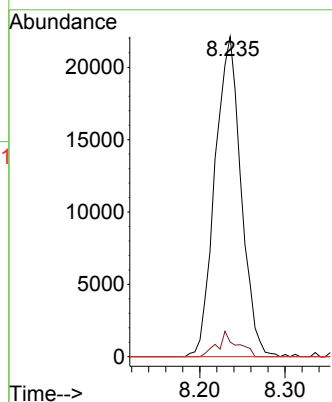
Tgt Ion:117 Resp: 47147

Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.417 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN078442.D

Acq: 28 Jun 2023 15:30

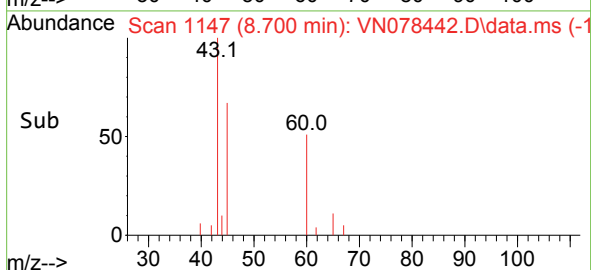
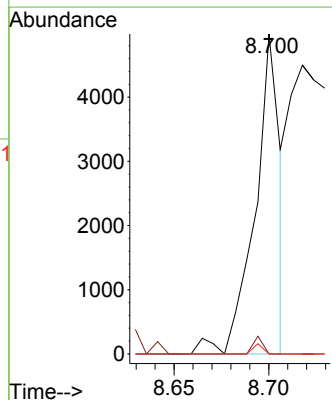
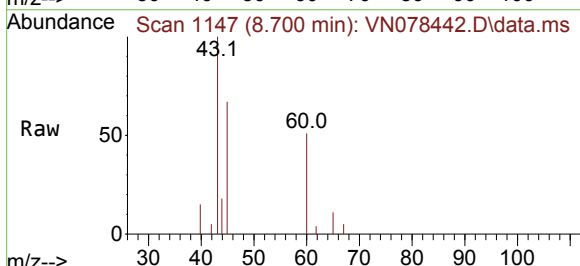
Tgt Ion: 43 Resp: 4602

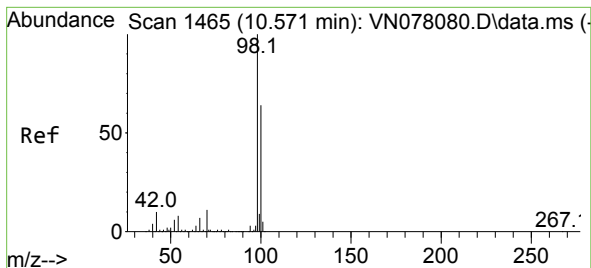
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 1.2 14.6 21.8#

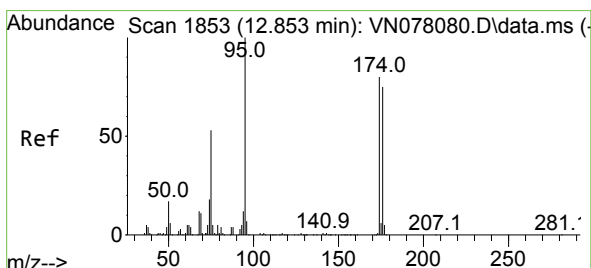
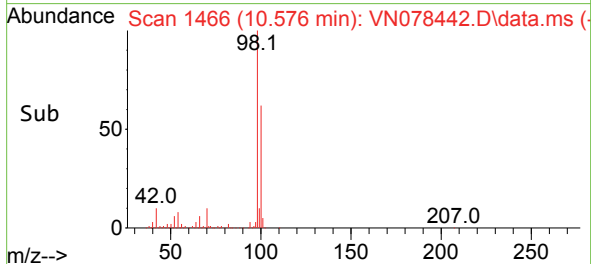
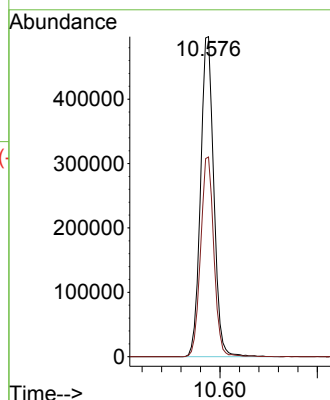
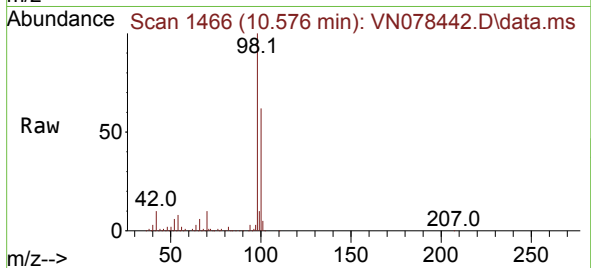




#50
Toluene-d8
Concen: 47.208 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

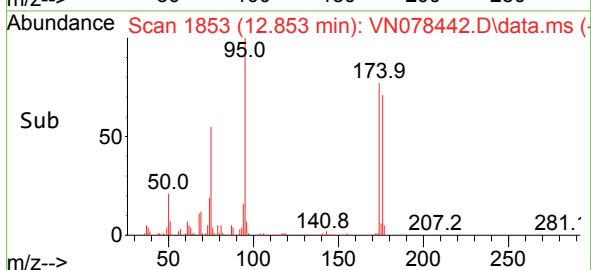
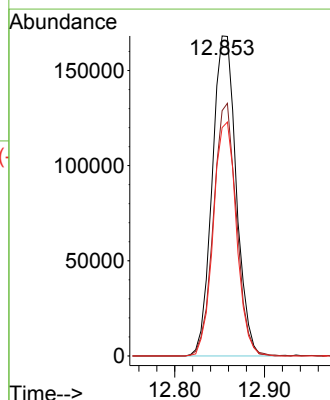
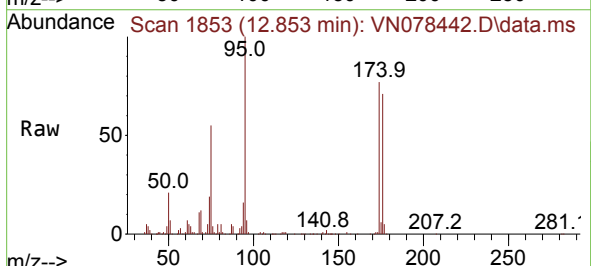
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20230609RE

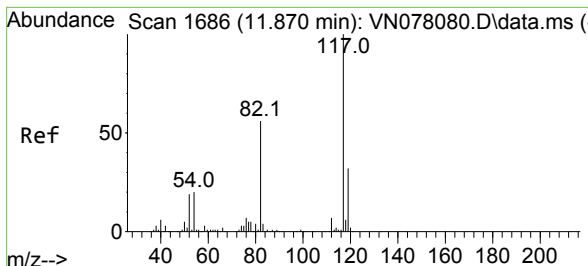
Tgt Ion: 98 Resp: 936630
Ion Ratio Lower Upper
98 100
100 62.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 50.617 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

Tgt Ion: 95 Resp: 312206
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 70.7 0.0 135.8

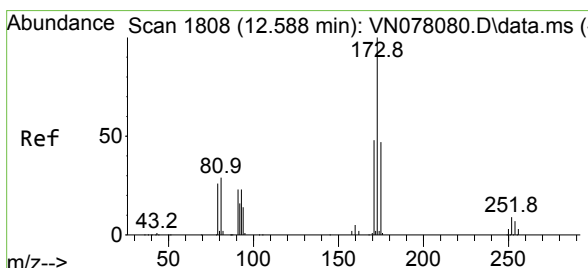
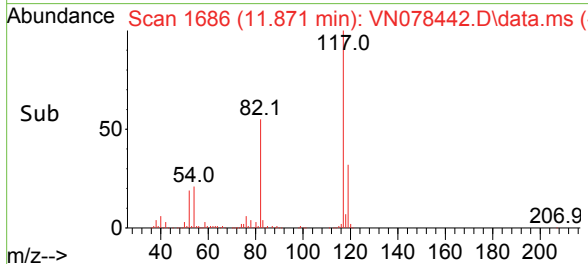
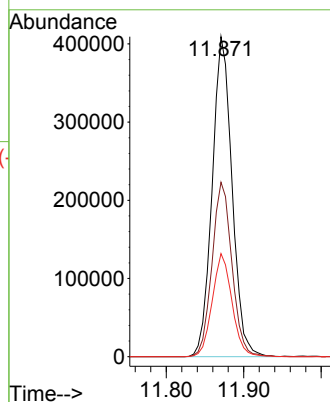
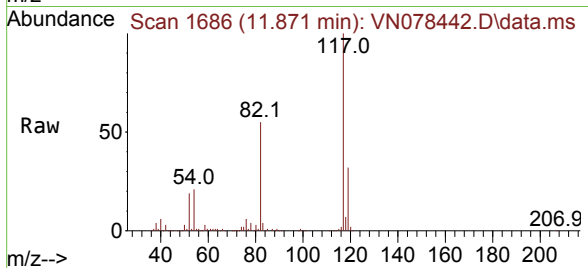




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1185
Delta R.T. 0.000 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

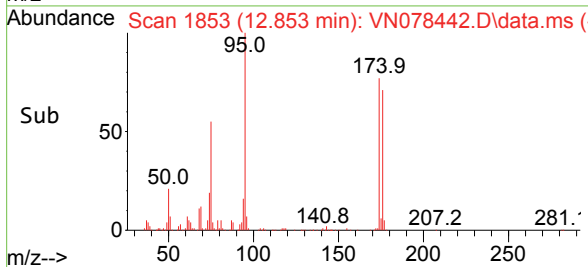
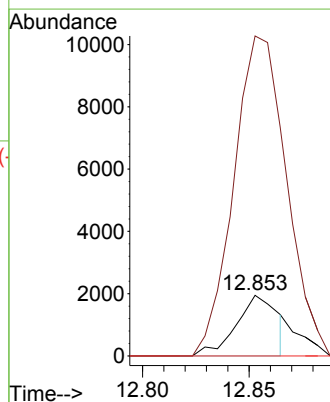
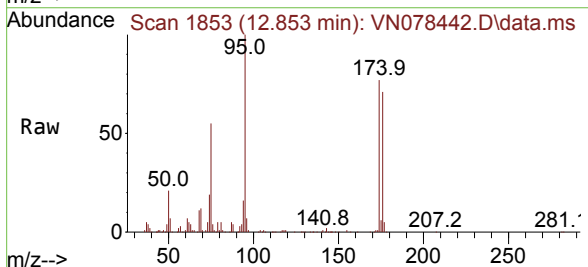
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20230609RE

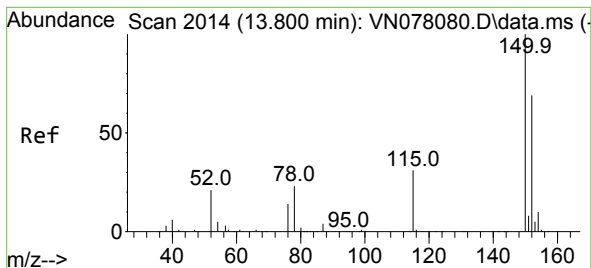
Tgt Ion:117 Resp: 729391
Ion Ratio Lower Upper
117 100
82 54.5 44.0 66.0
119 32.2 25.6 38.4



#71
Bromoform
Concen: 0.711 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

Tgt Ion:173 Resp: 2637
Ion Ratio Lower Upper
173 100
175 577.8 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: VN078442.D

Acq: 28 Jun 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-TB-20230609RE

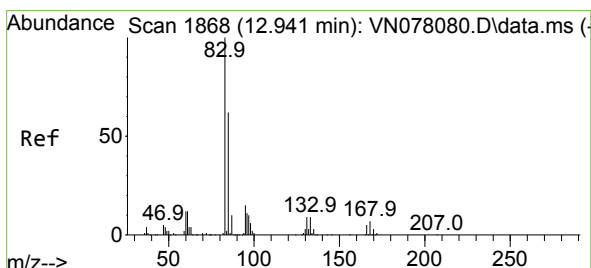
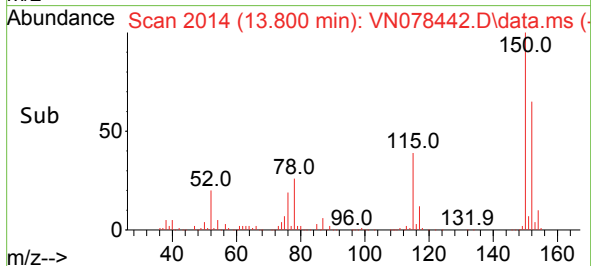
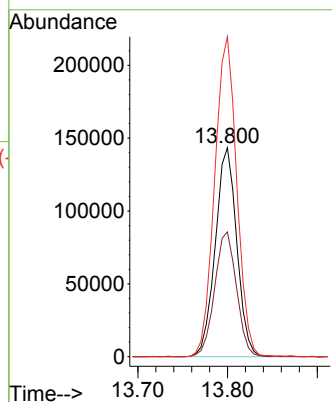
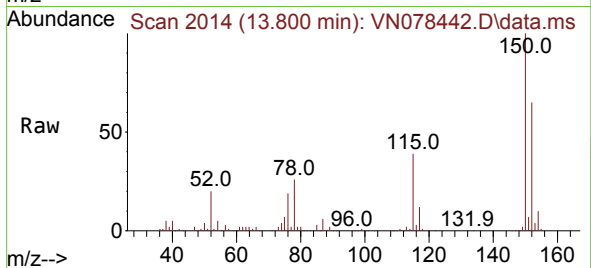
Tgt Ion:152 Resp: 238732

Ion Ratio Lower Upper

152 100

115 60.6 32.3 96.8

150 157.1 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.888 min Scan# 1859

Delta R.T. -0.053 min

Lab File: VN078442.D

Acq: 28 Jun 2023 15:30

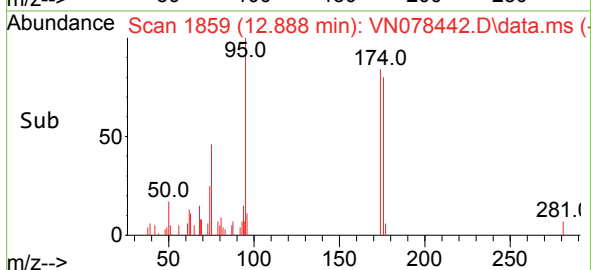
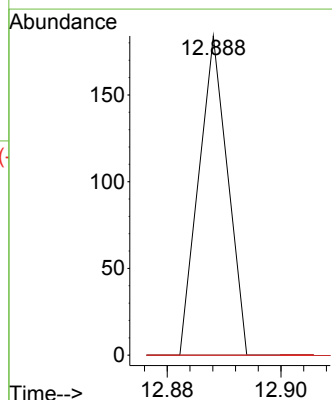
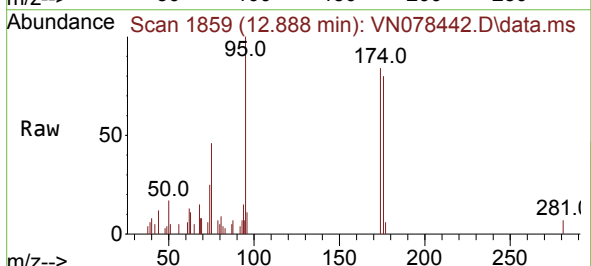
Tgt Ion: 83 Resp: 65

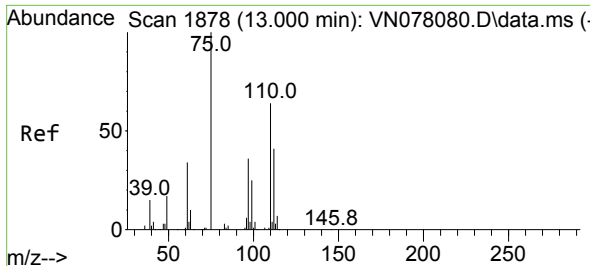
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#

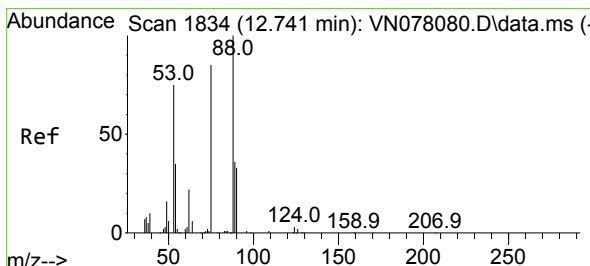
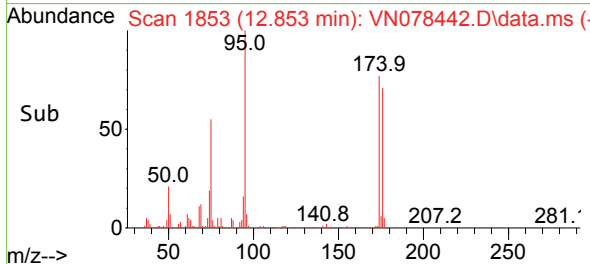
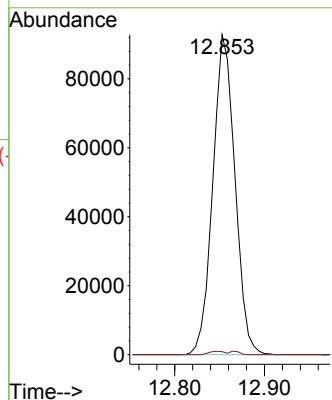
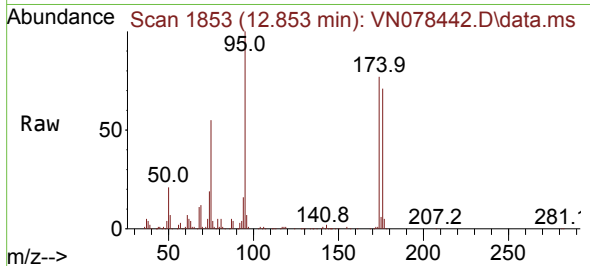




#76
1,2,3-Trichloropropane
Concen: 28.131 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-TB-20230609RE

Tgt Ion: 75 Resp: 158763
Ion Ratio Lower Upper
75 100
77 0.8 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.427 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078442.D
Acq: 28 Jun 2023 15:30

Tgt Ion: 75 Resp: 158763
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

