

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
 Data File : VN078443.D
 Acq On : 28 Jun 2023 15:54
 Operator : JC\MD
 Sample : 03310-06RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-EB-20230613RE

Quant Time: Jun 29 05:22:15 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)

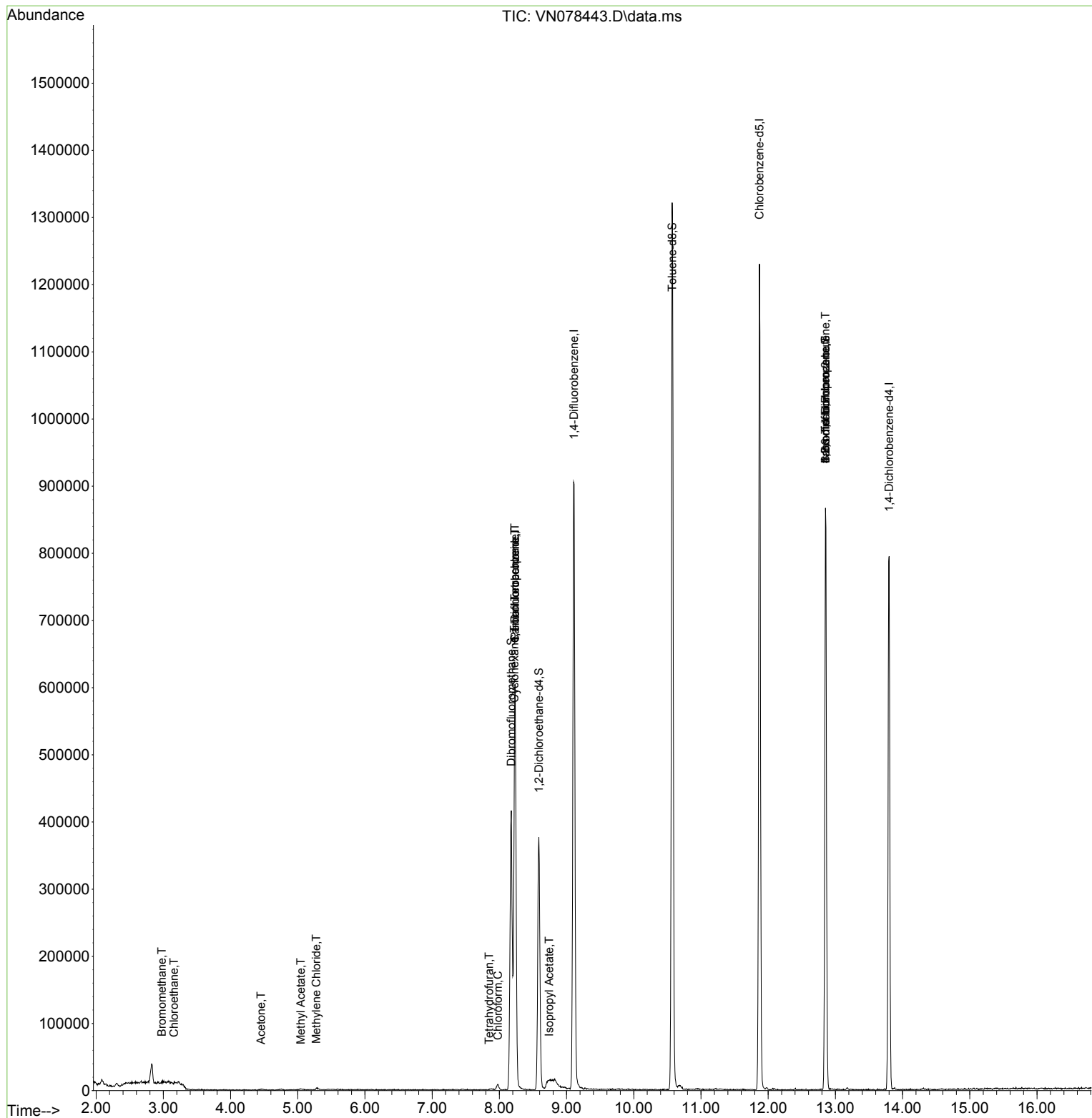
Internal Standards						
1) Pentafluorobenzene	8.235	168	443629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	826200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	740063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	224300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	309071	52.253	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.500%	
35) Dibromofluoromethane	8.177	113	292711	56.032	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.060%	
50) Toluene-d8	10.570	98	953939	47.368	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.740%	
62) 4-Bromofluorobenzene	12.853	95	299152	47.783	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1399	Below Cal		97
5) Bromomethane	2.977	94	1374	0.277	ug/l	92
6) Chloroethane	3.159	64	1771	0.396	ug/l #	46
16) Acetone	4.453	43	1688	0.991	ug/l #	67
18) Methyl Acetate	5.047	43	2363	0.301	ug/l #	54
20) Methylene Chloride	5.277	84	1212	0.215	ug/l #	76
29) Tetrahydrofuran	7.847	42	813	0.465	ug/l #	20
30) Chloroform	7.977	83	8694	0.880	ug/l	95
31) Cyclohexane	8.224	56	9784	1.289	ug/l #	60
36) 1,1-Dichloropropene	8.229	75	37069	4.947	ug/l #	47
38) Carbon Tetrachloride	8.229	117	47609	6.017	ug/l #	16
43) Isopropyl Acetate	8.741	43	15321	1.369	ug/l #	51
71) Bromoform	12.853	173	2738	0.728	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.959	83	98	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	160393	30.248	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	160393	92.933	ug/l #	15

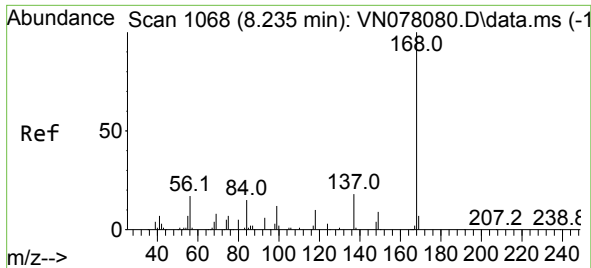
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
Data File : VN078443.D
Acq On : 28 Jun 2023 15:54
Operator : JC\MD
Sample : 03310-06RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-EB-20230613RE

Quant Time: Jun 29 05:22:15 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

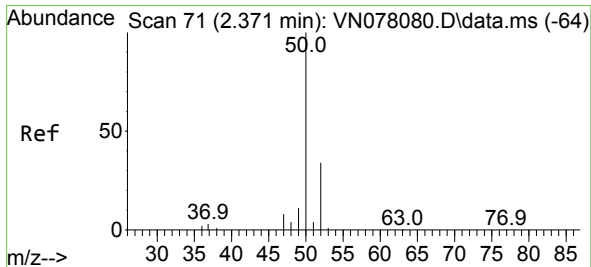
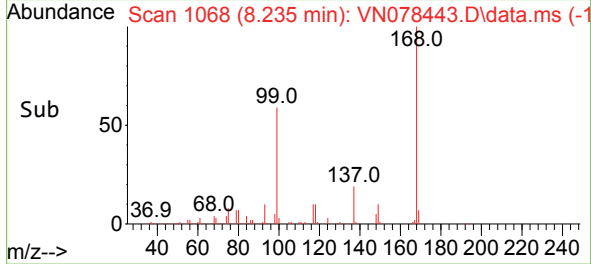
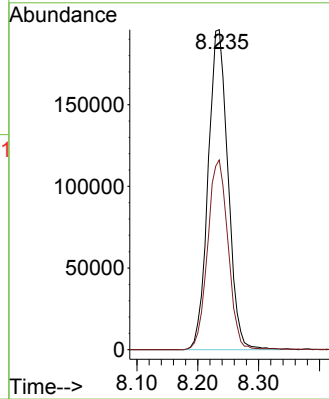
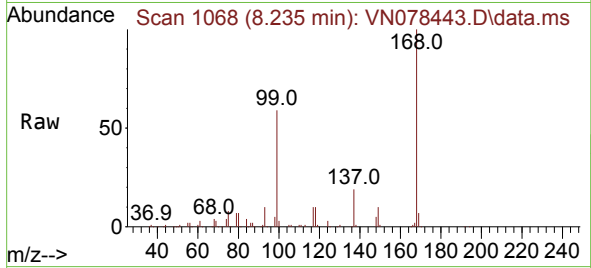




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

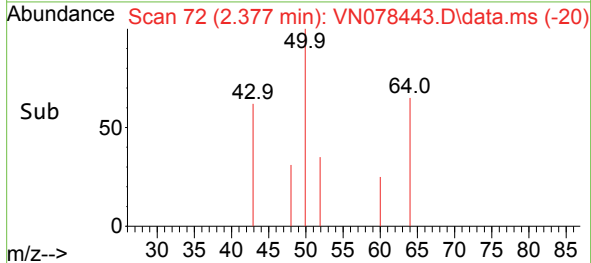
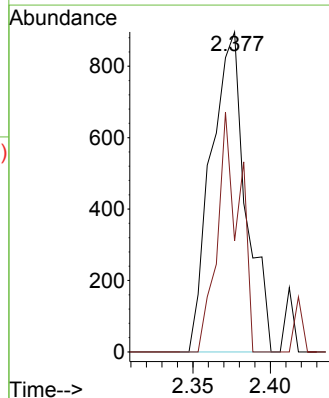
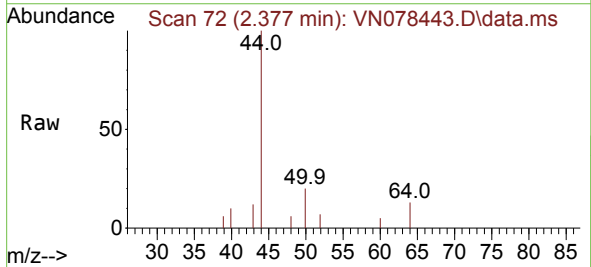
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-EB-20230613RE

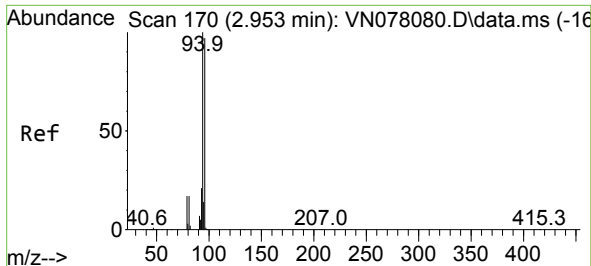
Tgt Ion:168 Resp: 443629
Ion Ratio Lower Upper
168 100
99 59.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

Tgt Ion: 50 Resp: 1399
Ion Ratio Lower Upper
50 100
52 34.7 26.5 39.7

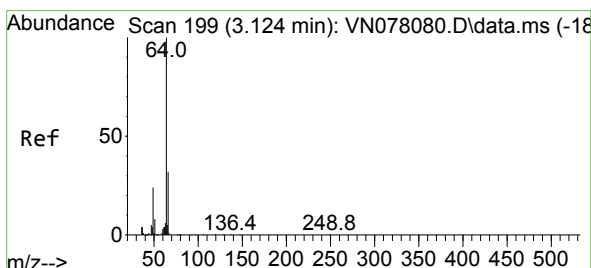
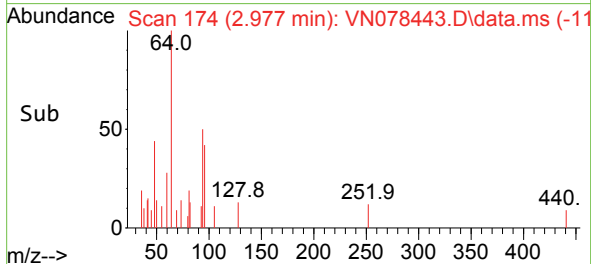
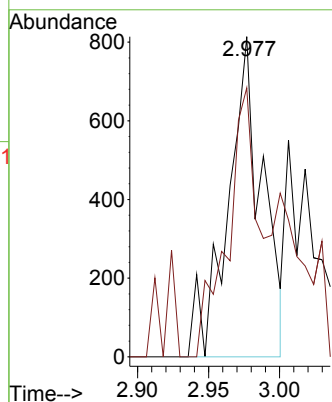
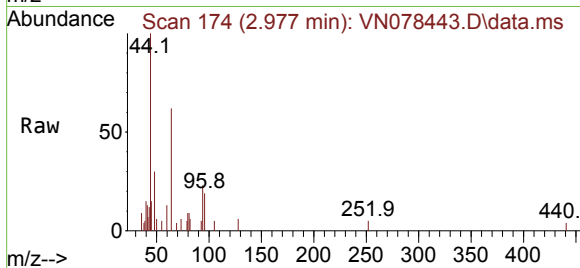




#5
Bromomethane
Concen: 0.277 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

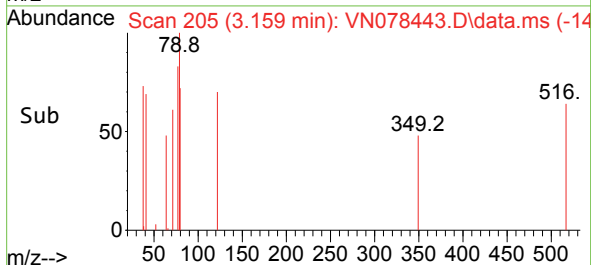
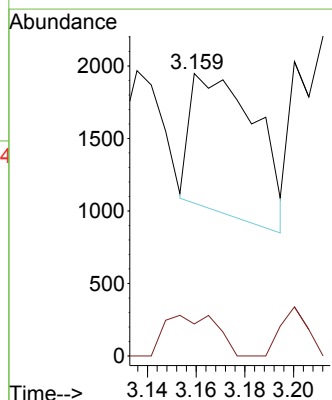
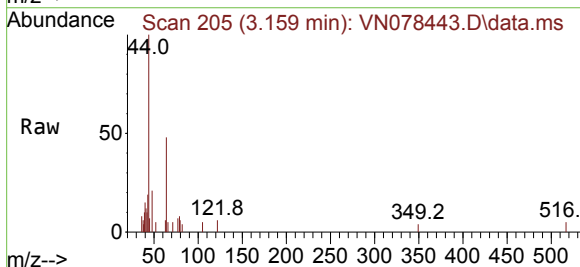
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-EB-20230613RE

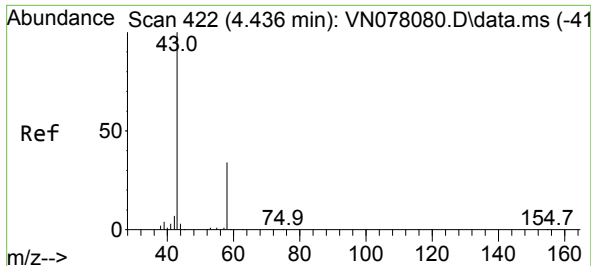
Tgt Ion: 94 Resp: 1374
Ion Ratio Lower Upper
94 100
96 84.0 73.1 109.7



#6
Chloroethane
Concen: 0.396 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.035 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

Tgt Ion: 64 Resp: 1771
Ion Ratio Lower Upper
64 100
66 1.9 25.4 38.2#

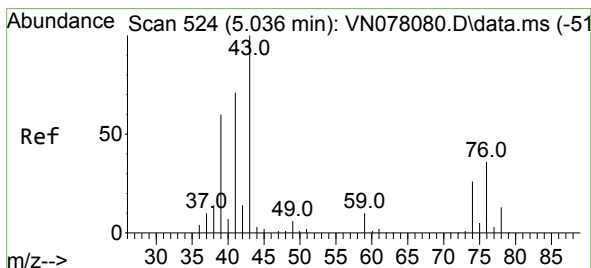
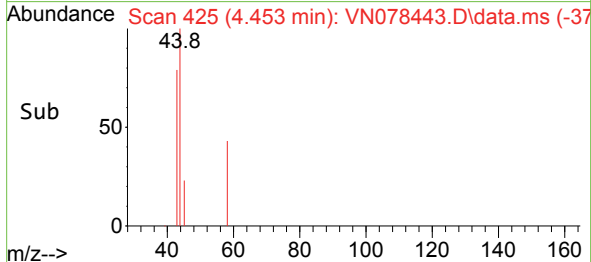
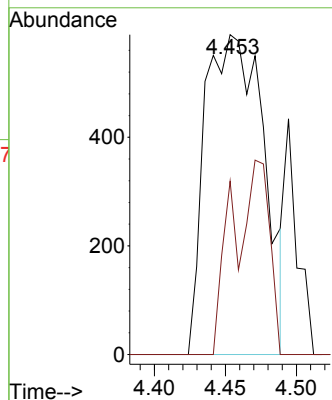
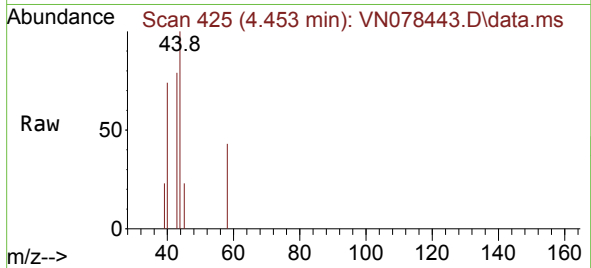




#16
Acetone
Concen: 0.991 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

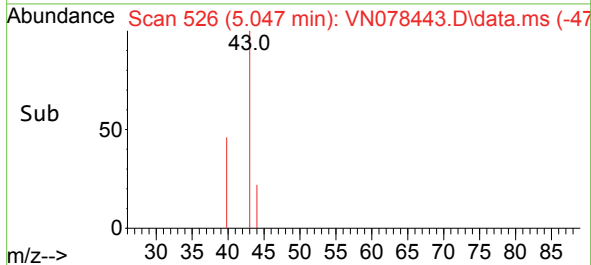
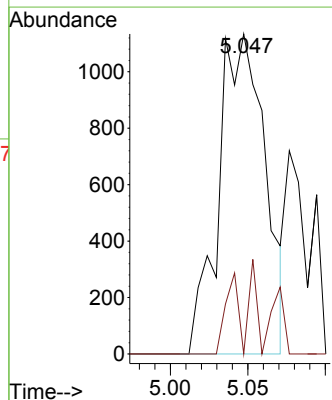
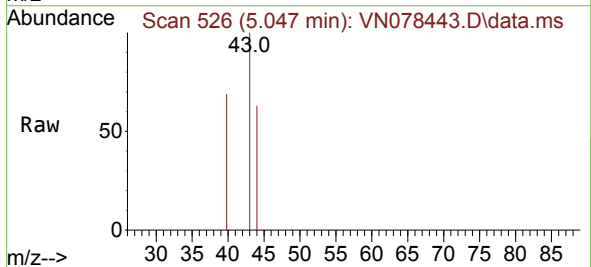
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-EB-20230613RE

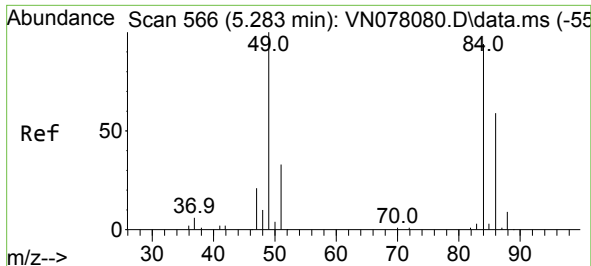
Tgt Ion: 43 Resp: 1688
Ion Ratio Lower Upper
43 100
58 54.2 28.0 42.0#



#18
Methyl Acetate
Concen: 0.301 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.012 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

Tgt Ion: 43 Resp: 2363
Ion Ratio Lower Upper
43 100
74 6.9 26.2 39.4#

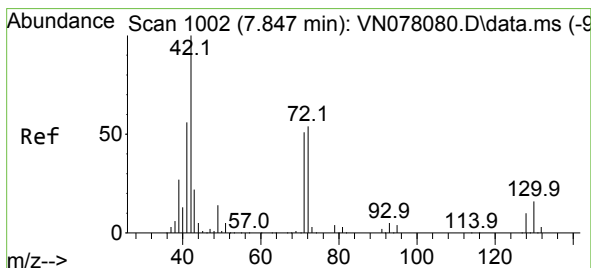
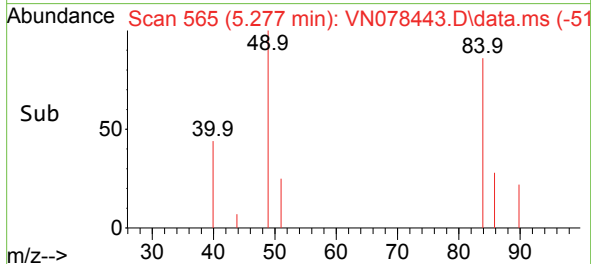
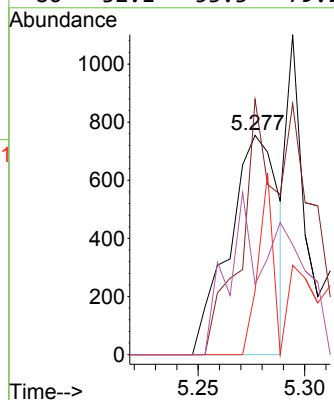
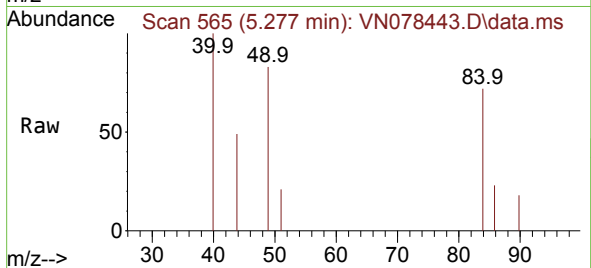




#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

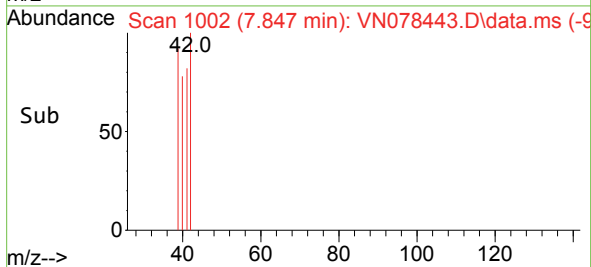
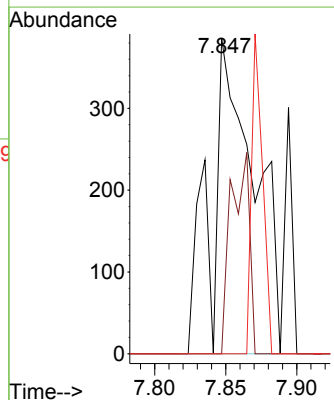
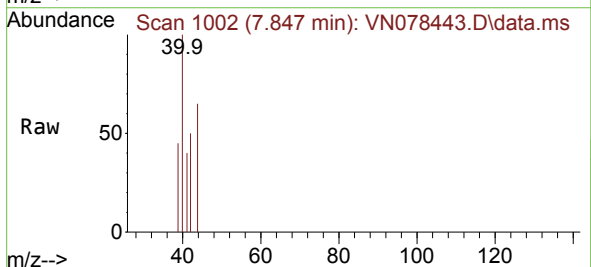
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-EB-20230613RE

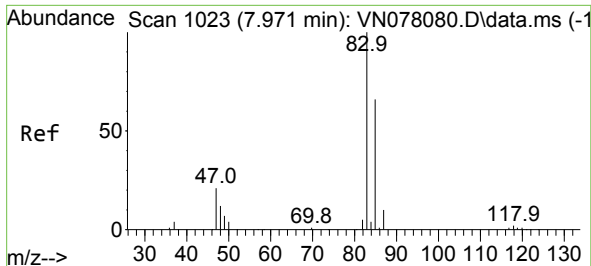
Tgt Ion:	84	Resp:	1212
Ion	Ratio	Lower	Upper
84	100		
49	116.3	79.7	119.5
51	29.0	25.2	37.8
86	32.1	53.3	79.9#



#29
Tetrahydrofuran
Concen: 0.465 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. -0.000 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

Tgt Ion:	42	Resp:	813
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#





#30

Chloroform

Concen: 0.880 ug/l

RT: 7.977 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN078443.D

Acq: 28 Jun 2023 15:54

Instrument :

MSVOA_N

ClientSampleId :

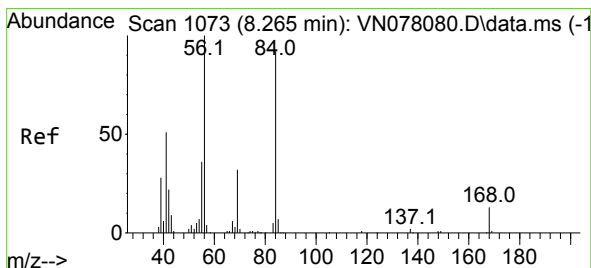
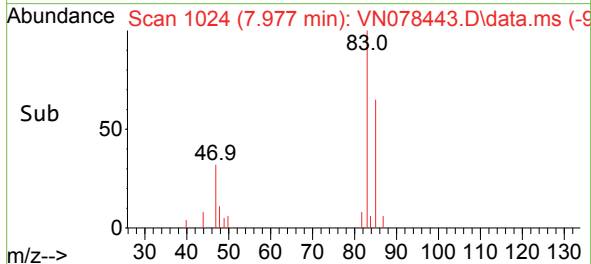
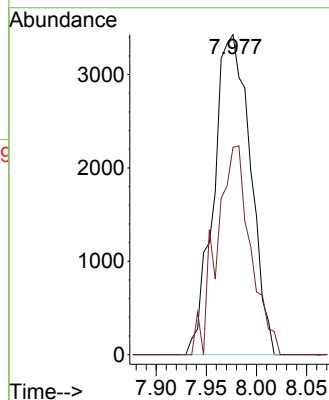
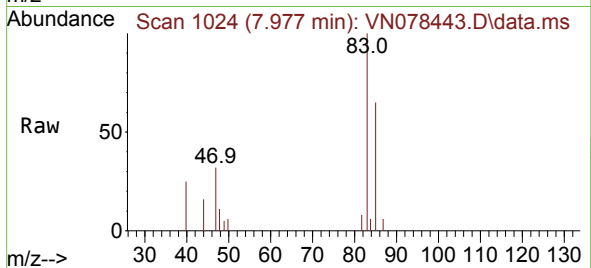
BP-VPB-RW11-EB-20230613RE

Tgt Ion: 83 Resp: 8694

Ion Ratio Lower Upper

83 100

85 64.8 55.4 83.0



#31

Cyclohexane

Concen: 1.289 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

Lab File: VN078443.D

Acq: 28 Jun 2023 15:54

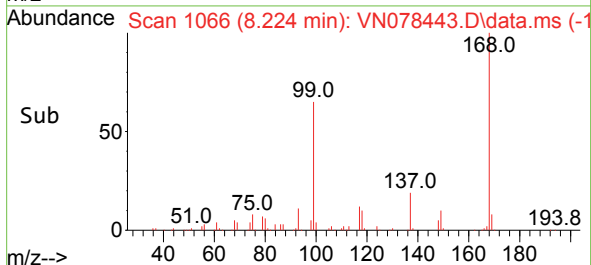
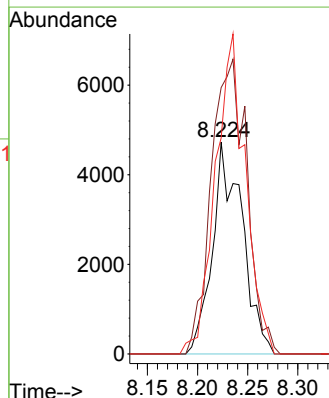
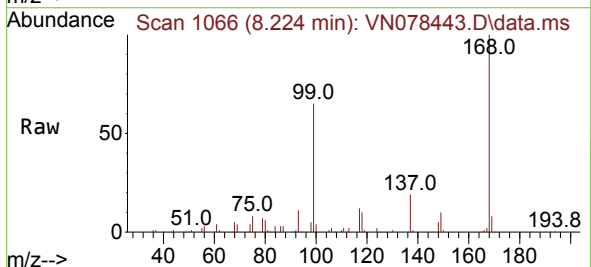
Tgt Ion: 56 Resp: 9784

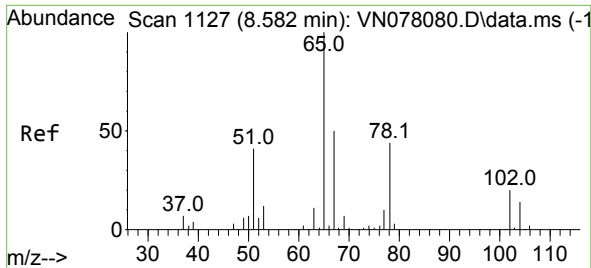
Ion Ratio Lower Upper

56 100

69 125.6 26.8 40.2#

84 101.9 81.8 122.6

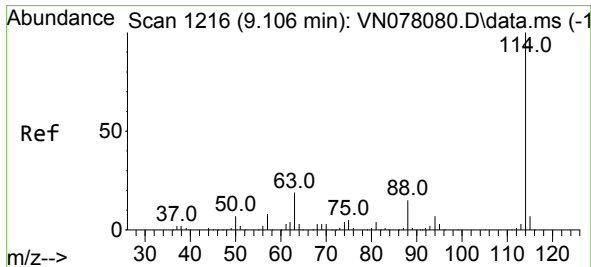
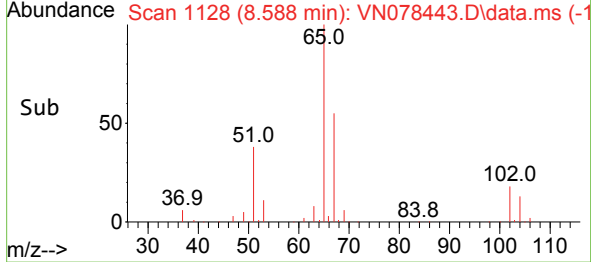
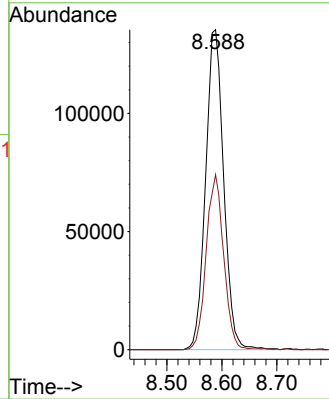
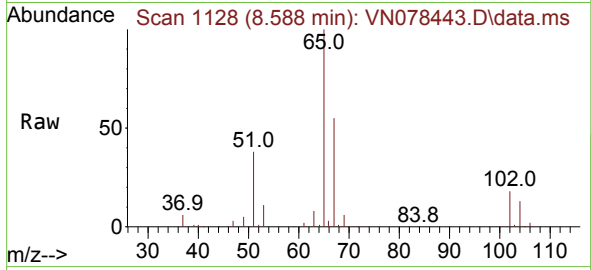




#33
1,2-Dichloroethane-d4
Concen: 52.253 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

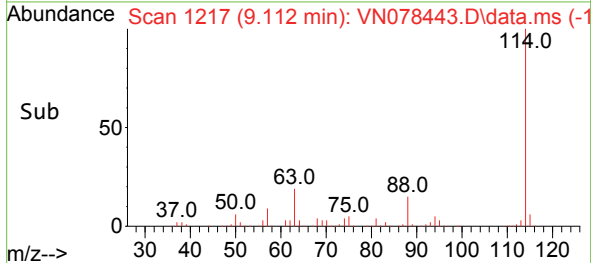
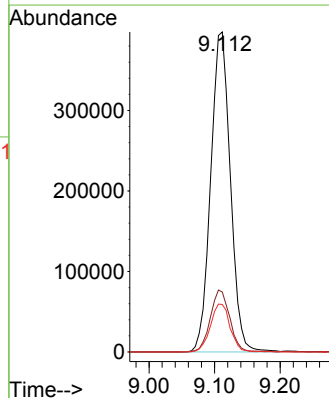
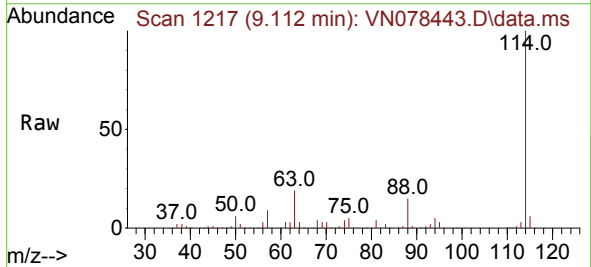
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-EB-20230613RE

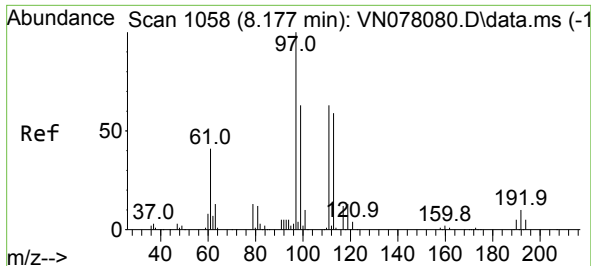
Tgt Ion: 65 Resp: 309071
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

Tgt Ion: 114 Resp: 826200
Ion Ratio Lower Upper
114 100
63 18.7 0.0 36.4
88 14.8 0.0 30.6

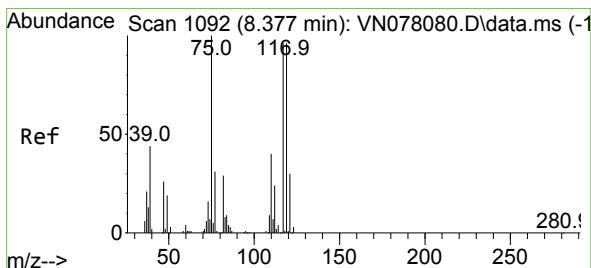
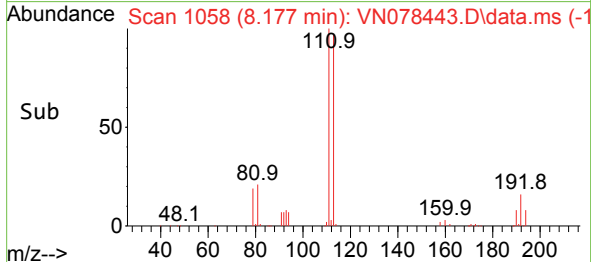
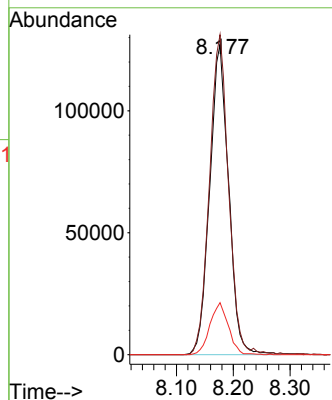
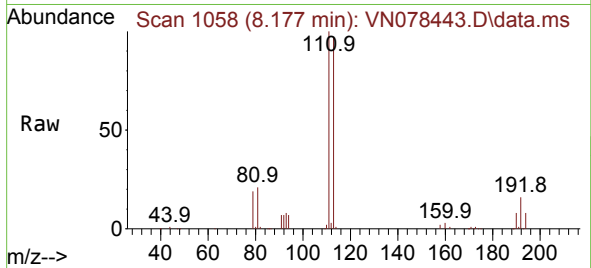




#35
Dibromofluoromethane
Concen: 56.032 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

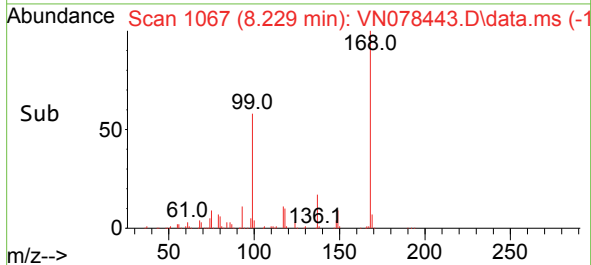
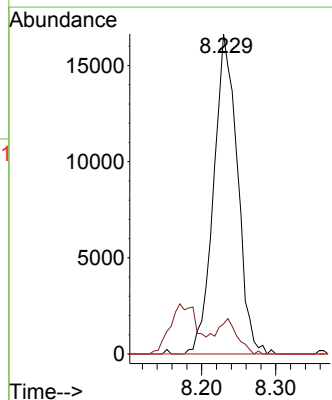
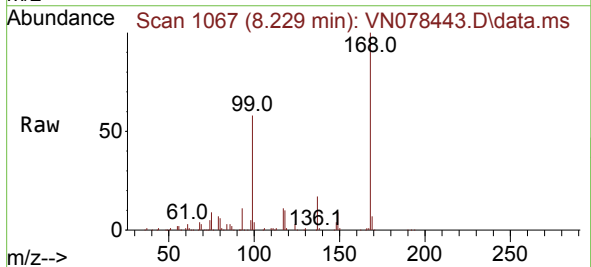
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW11-EB-20230613RE

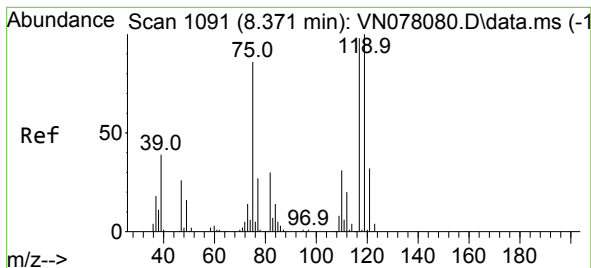
Tgt Ion:113 Resp: 292711
Ion Ratio Lower Upper
113 100
111 104.3 82.6 123.8
192 16.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.947 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

Tgt Ion: 75 Resp: 37069
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.017 ug/l

RT: 8.229 min Scan# 1107

Delta R.T. -0.141 min

Lab File: VN078443.D

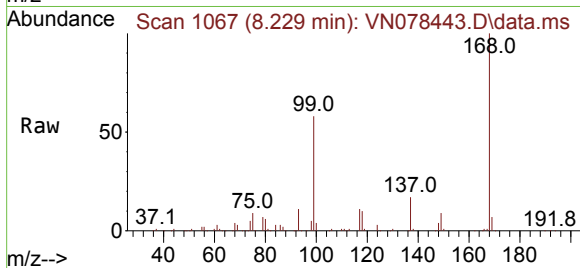
Acq: 28 Jun 2023 15:54

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-EB-20230613RE



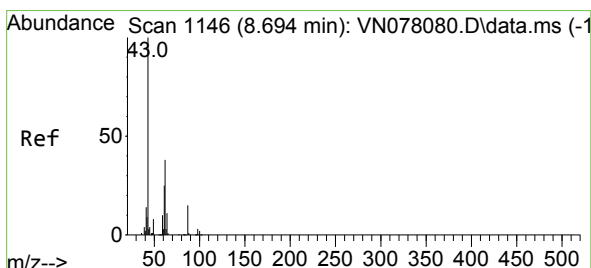
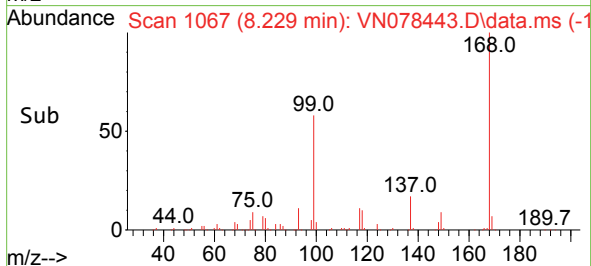
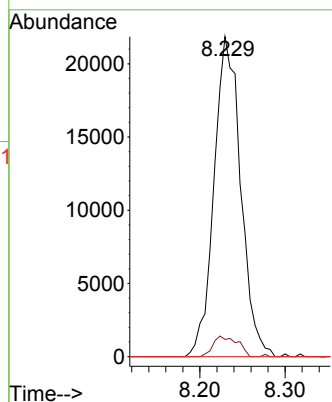
Tgt Ion:117 Resp: 47609

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 1.369 ug/l

RT: 8.741 min Scan# 1154

Delta R.T. 0.047 min

Lab File: VN078443.D

Acq: 28 Jun 2023 15:54

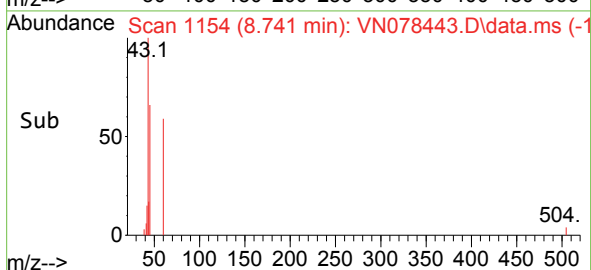
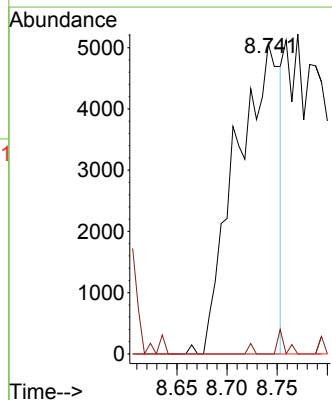
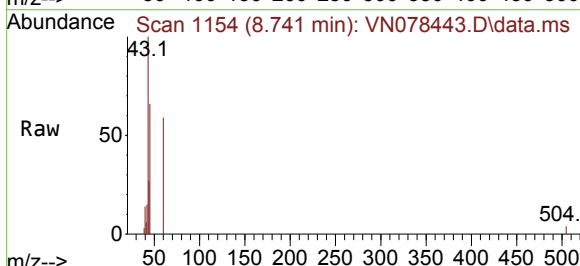
Tgt Ion: 43 Resp: 15321

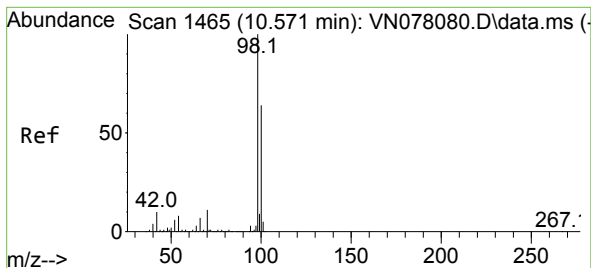
Ion Ratio Lower Upper

43 100

61 1.3 24.7 37.1#

87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 47.368 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078443.D

Acq: 28 Jun 2023 15:54

Instrument :

MSVOA_N

ClientSampleId :

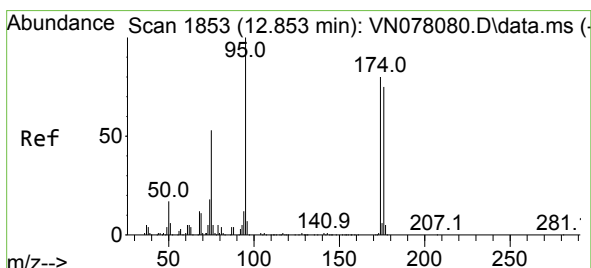
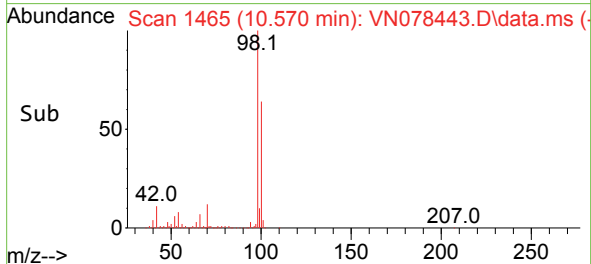
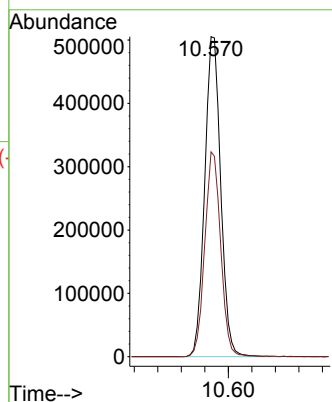
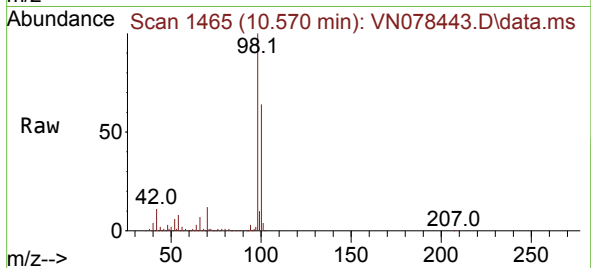
BP-VPB-RW11-EB-20230613RE

Tgt Ion: 98 Resp: 953939

Ion Ratio Lower Upper

98 100

100 63.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 47.783 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN078443.D

Acq: 28 Jun 2023 15:54

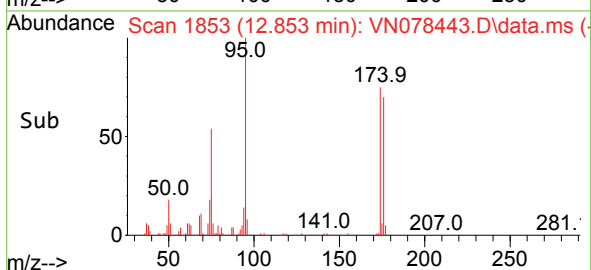
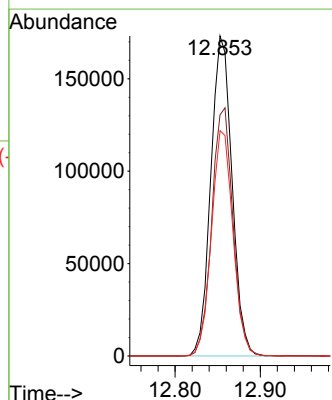
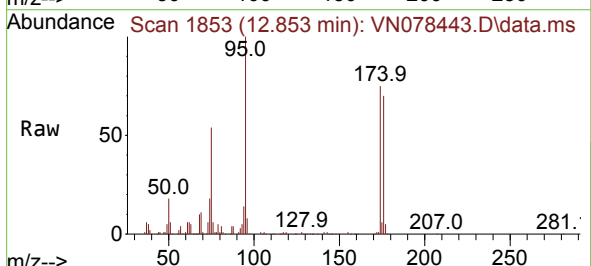
Tgt Ion: 95 Resp: 299152

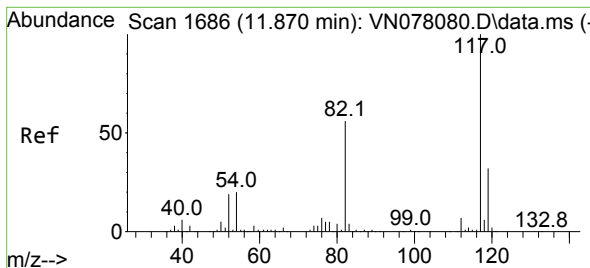
Ion Ratio Lower Upper

95 100

174 77.6 0.0 143.8

176 71.4 0.0 135.8

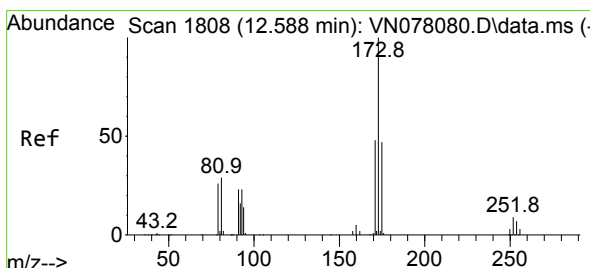
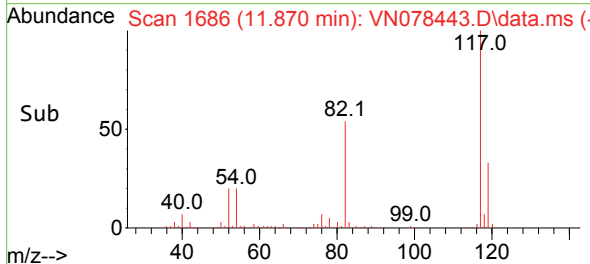
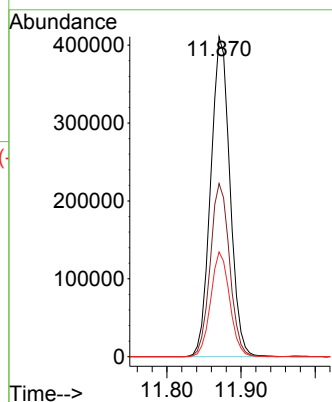
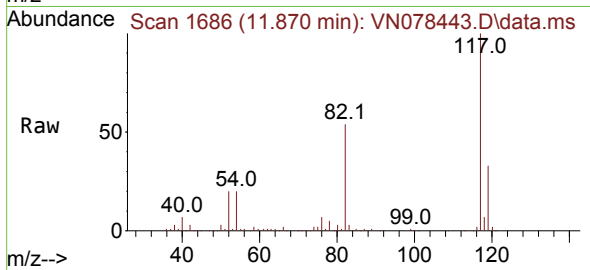




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

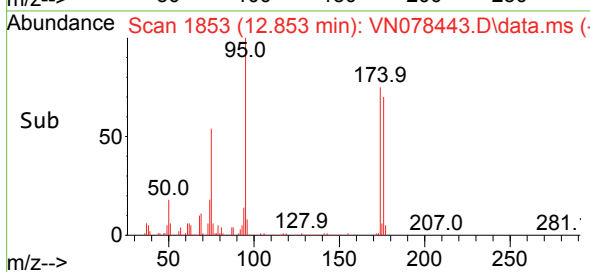
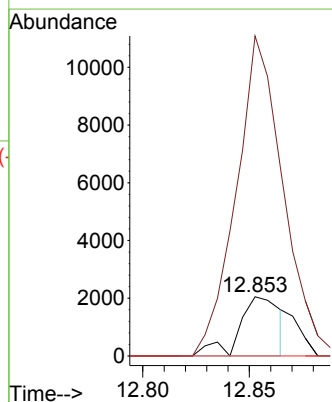
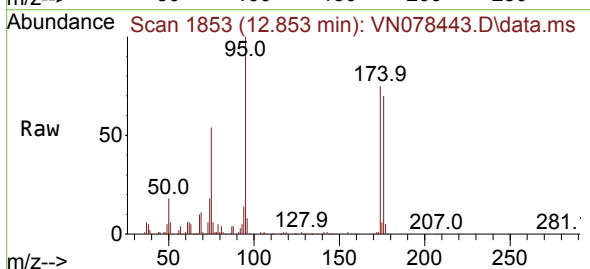
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-EB-20230613RE

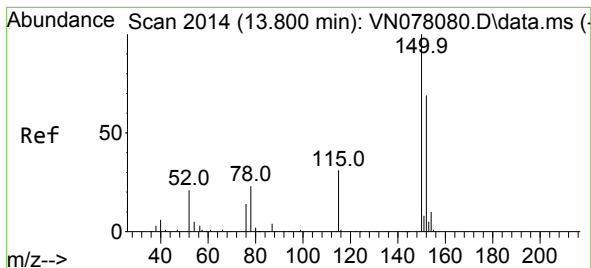
Tgt Ion:117 Resp: 740063
Ion Ratio Lower Upper
117 100
82 54.1 44.0 66.0
119 32.8 25.6 38.4



#71
Bromoform
Concen: 0.728 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

Tgt Ion:173 Resp: 2738
Ion Ratio Lower Upper
173 100
175 535.2 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: VN078443.D

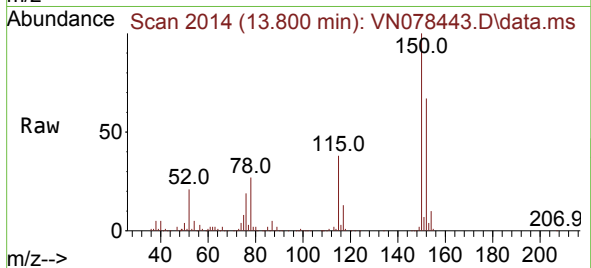
Acq: 28 Jun 2023 15:54

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-EB-20230613RE



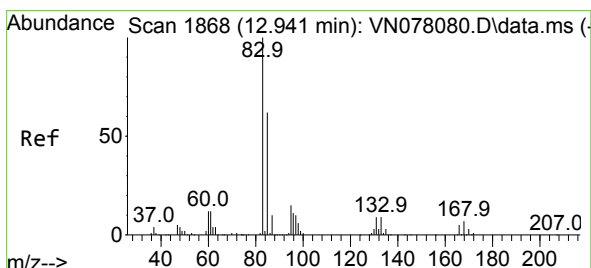
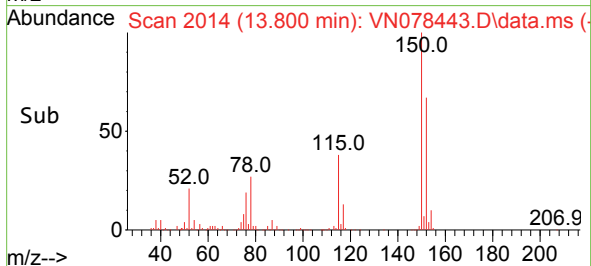
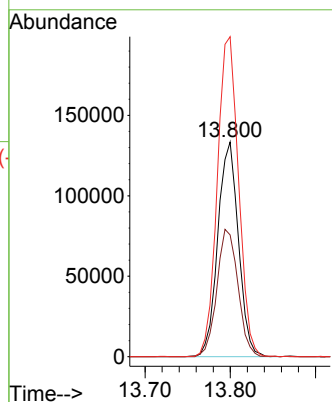
Tgt Ion:152 Resp: 224300

Ion Ratio Lower Upper

152 100

115 60.7 32.3 96.8

150 153.4 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.959 min Scan# 1871

Delta R.T. 0.018 min

Lab File: VN078443.D

Acq: 28 Jun 2023 15:54

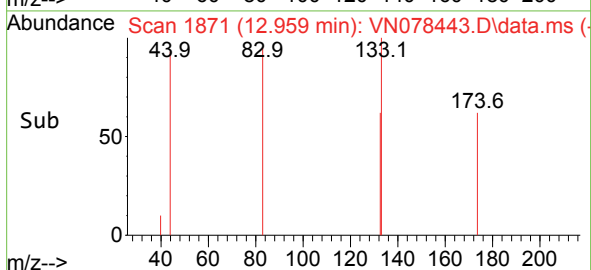
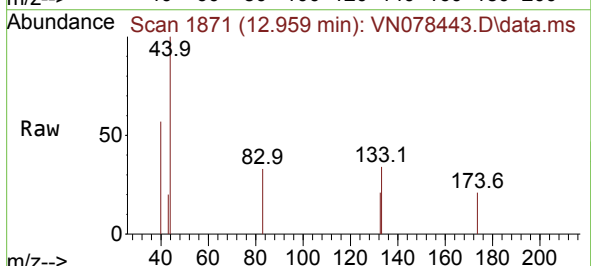
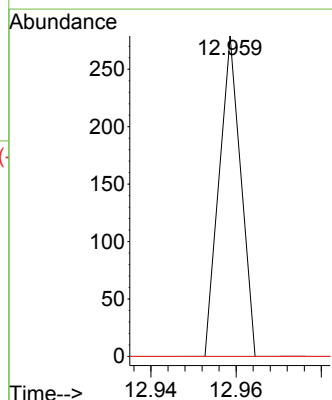
Tgt Ion: 83 Resp: 98

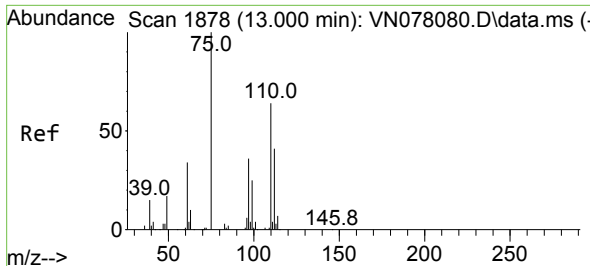
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#

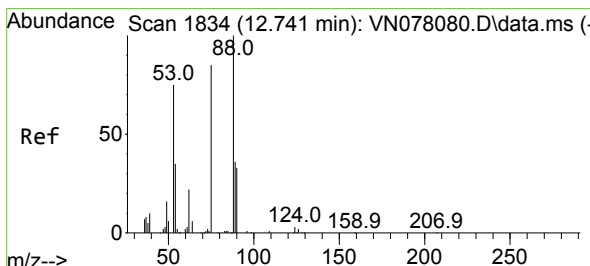
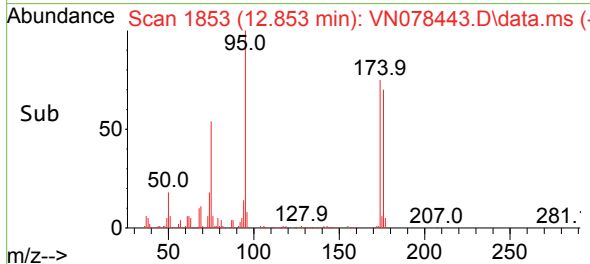
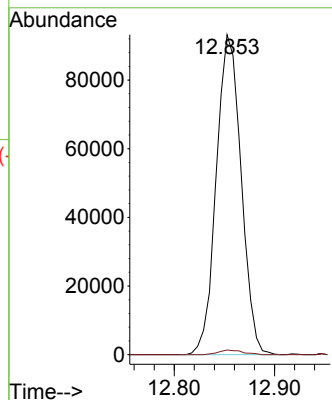
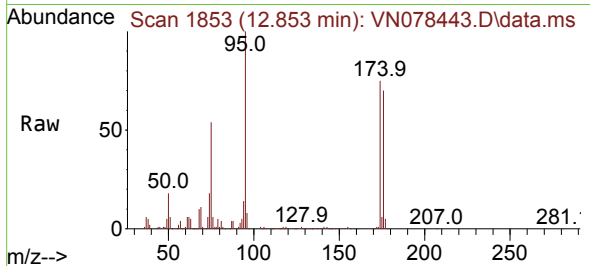




#76
1,2,3-Trichloropropane
Concen: 30.248 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-EB-20230613RE

Tgt Ion: 75 Resp: 160393
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.933 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078443.D
Acq: 28 Jun 2023 15:54

Tgt Ion: 75 Resp: 160393
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

