

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
 Data File : VN078290.D
 Acq On : 19 Jun 2023 19:50
 Operator : JC\MD
 Sample : 03320-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-13

Quant Time: Jun 20 01:34:21 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)

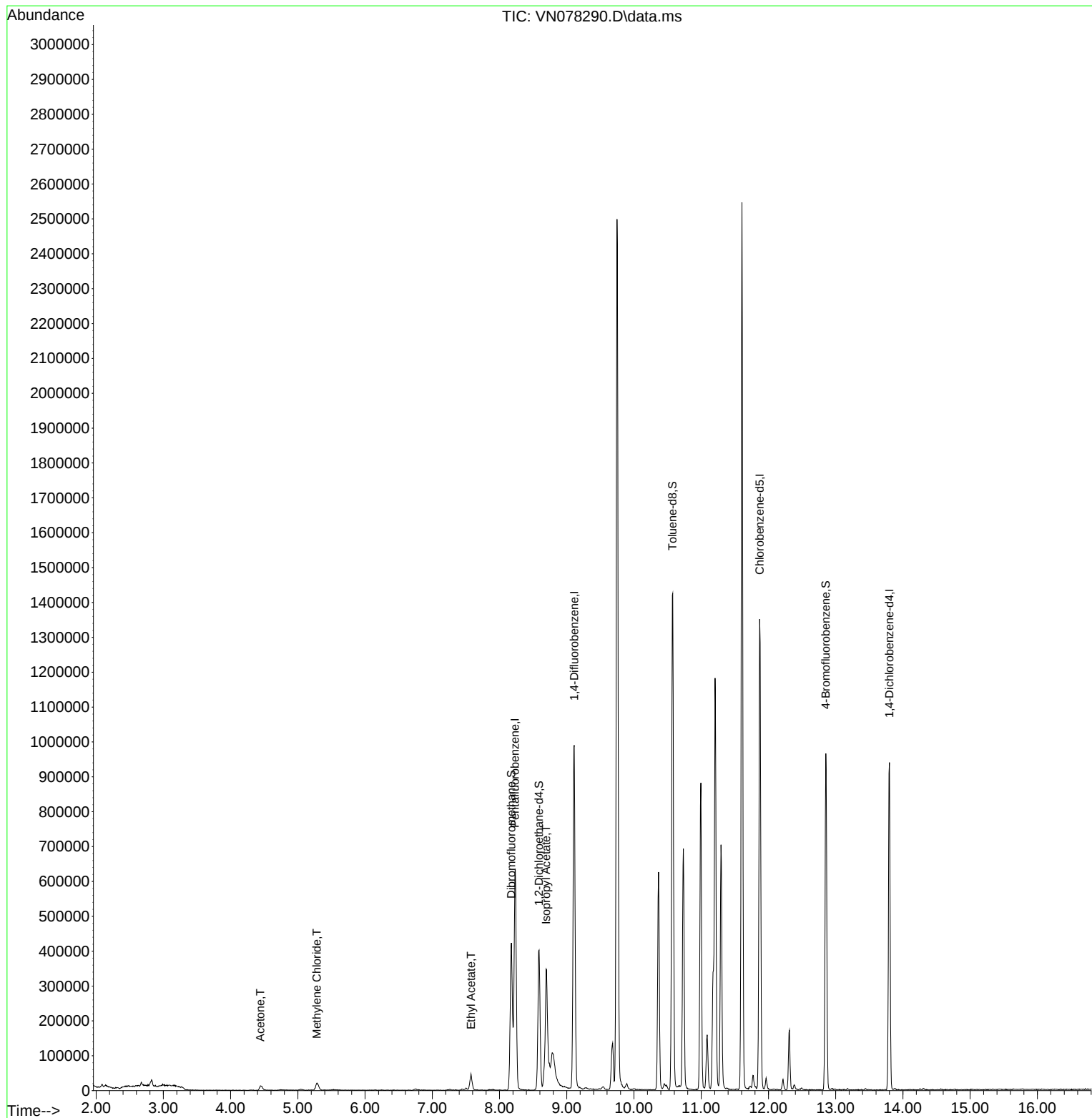
Internal Standards						
1) Pentafluorobenzene	8.230	168	457015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	878927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	815018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	253950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	331946	54.476	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.960%		
35) Dibromofluoromethane	8.177	113	300000	53.983	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 107.960%		
50) Toluene-d8	10.571	98	1044284	48.743	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 97.480%		
62) 4-Bromofluorobenzene	12.853	95	336665	50.549	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 101.100%		
Target Compounds						
					Qvalue	
16) Acetone	4.442	43	25218	14.378	ug/l #	81
20) Methylene Chloride	5.283	84	15753	2.718	ug/l	89
37) Ethyl Acetate	7.577	43	63120	10.136	ug/l #	94
43) Isopropyl Acetate	8.694	43	426535	35.815	ug/l #	75

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

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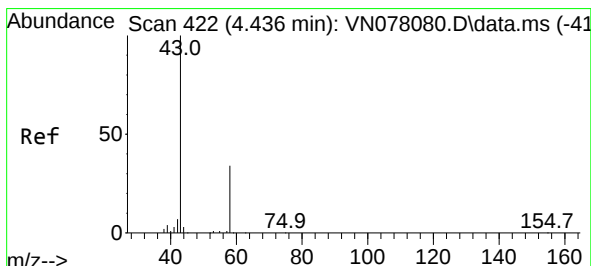
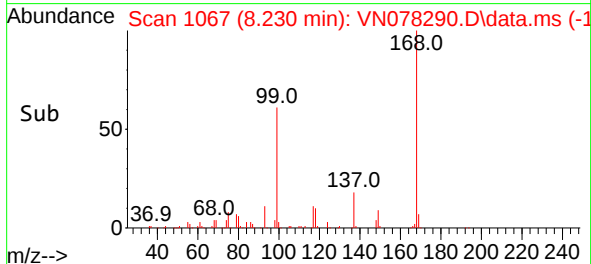
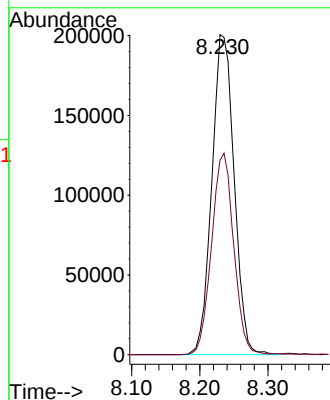
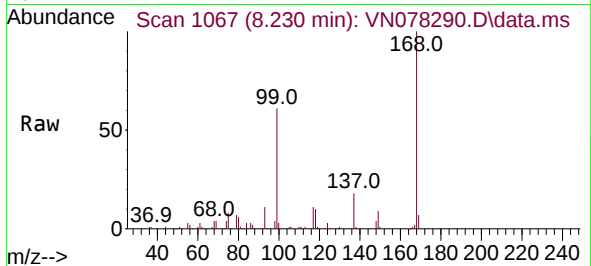




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN078290.D
Acq: 19 Jun 2023 19:50

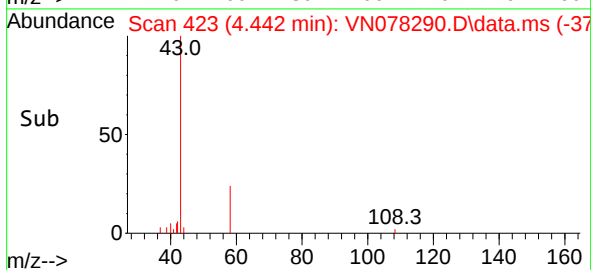
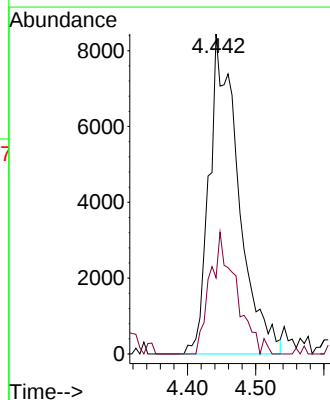
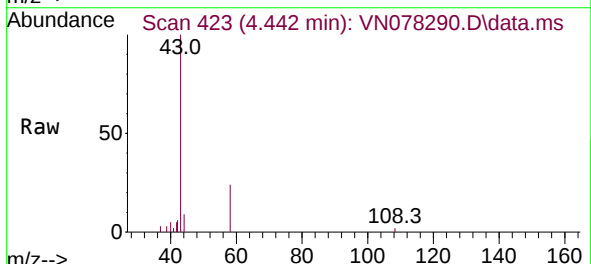
Instrument :
MSVOA_N
ClientSampleId :
WC-13

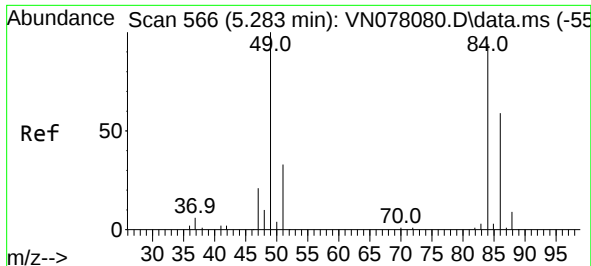
Tgt Ion:168 Resp: 457015
Ion Ratio Lower Upper
168 100
99 60.8 53.0 79.6



#16
Acetone
Concen: 14.378 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078290.D
Acq: 19 Jun 2023 19:50

Tgt Ion: 43 Resp: 25218
Ion Ratio Lower Upper
43 100
58 23.8 28.0 42.0#

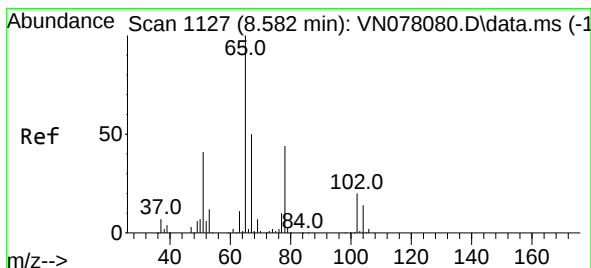
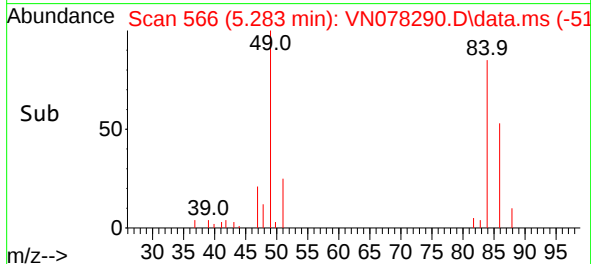
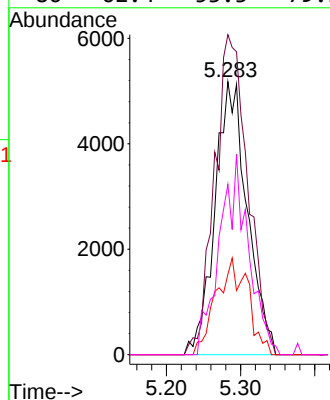
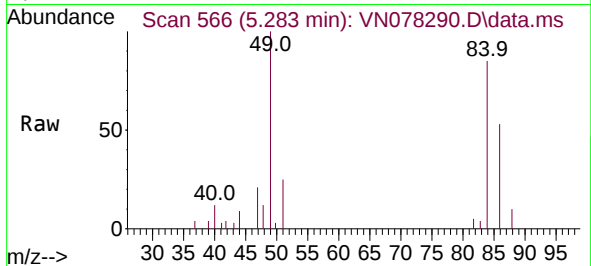




#20
Methylene Chloride
Concen: 2.718 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN078290.D
Acq: 19 Jun 2023 19:50

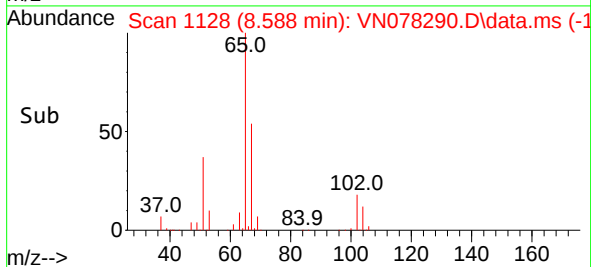
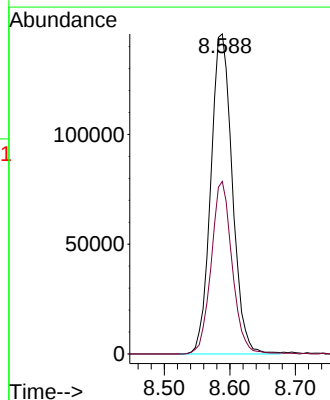
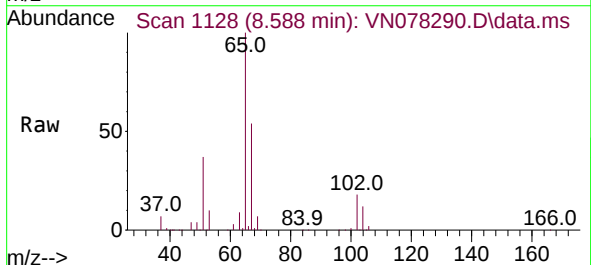
Instrument :
MSVOA_N
ClientSampleId :
WC-13

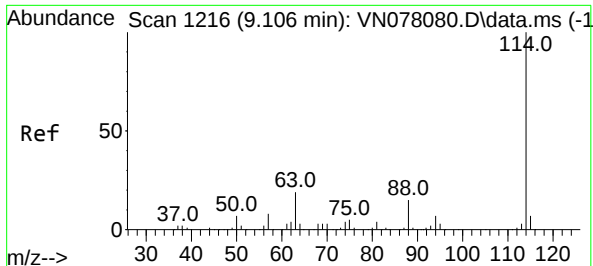
Tgt Ion: 84	Resp: 15753
Ion Ratio	Lower Upper
84 100	
49 117.2	79.7 119.5
51 29.5	25.2 37.8
86 62.4	53.3 79.9



#33
1,2-Dichloroethane-d4
Concen: 54.476 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078290.D
Acq: 19 Jun 2023 19:50

Tgt Ion: 65	Resp: 331946
Ion Ratio	Lower Upper
65 100	
67 52.6	0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078290.D

Acq: 19 Jun 2023 19:50

Instrument :

MSVOA_N

ClientSampleId :

WC-13

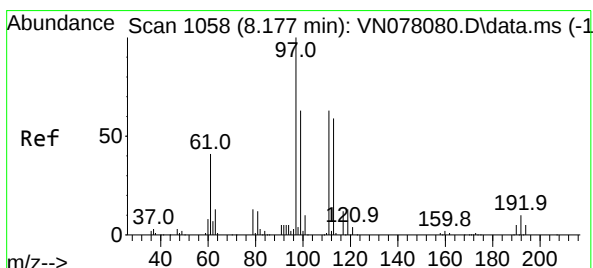
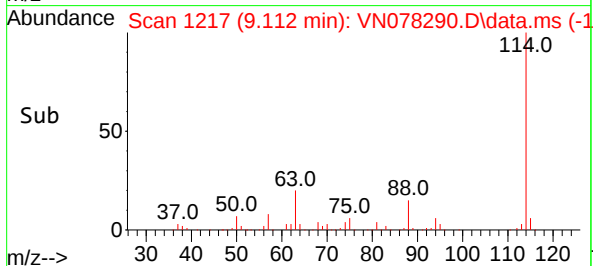
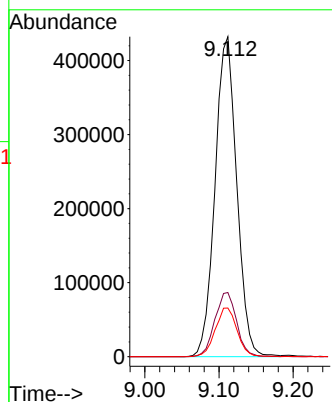
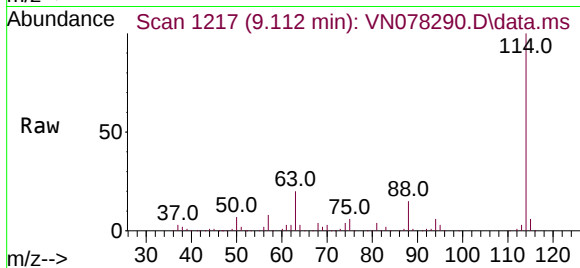
Tgt Ion:114 Resp: 878927

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.983 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078290.D

Acq: 19 Jun 2023 19:50

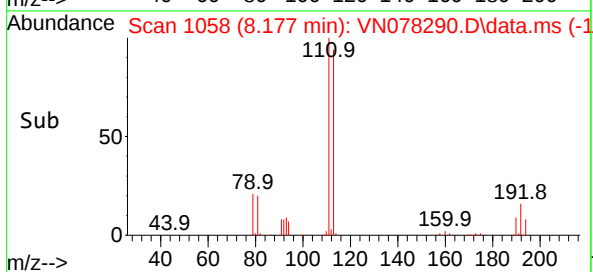
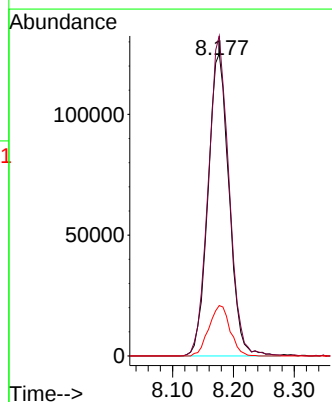
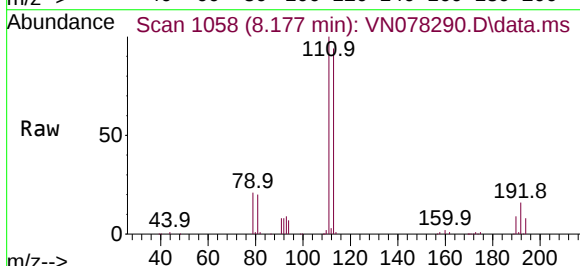
Tgt Ion:113 Resp: 300000

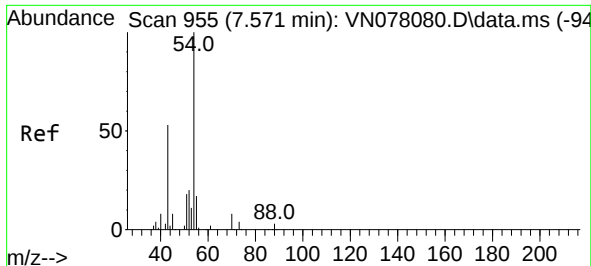
Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

192 16.8 12.7 19.1





#37

Ethyl Acetate

Concen: 10.136 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN078290.D

Acq: 19 Jun 2023 19:50

Instrument :

MSVOA_N

ClientSampleId :

WC-13

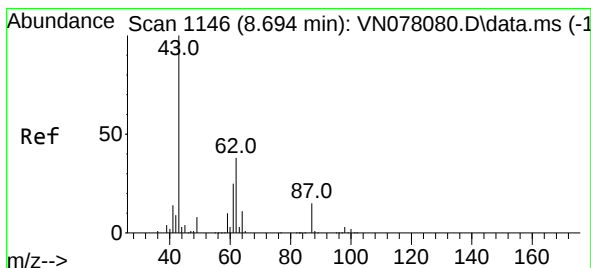
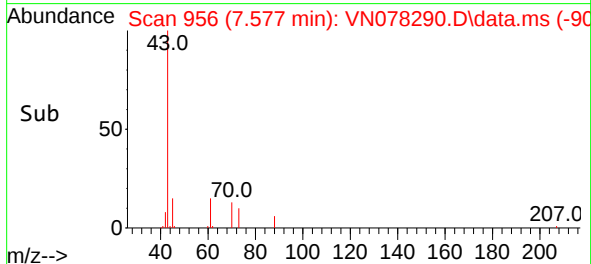
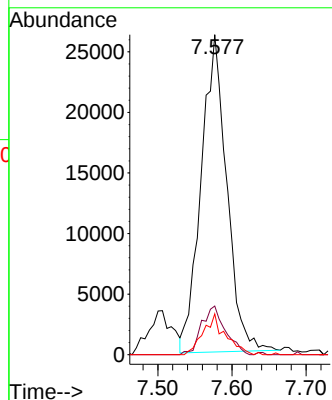
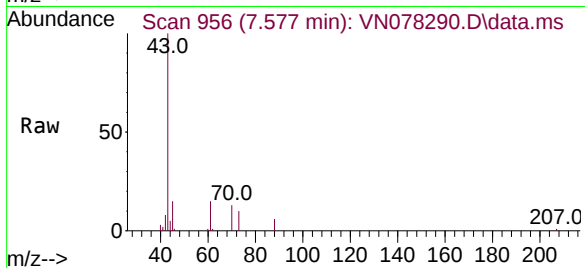
Tgt Ion: 43 Resp: 63120

Ion Ratio Lower Upper

43 100

61 14.2 13.2 19.8

70 11.0 11.3 16.9#



#43

Isopropyl Acetate

Concen: 35.815 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078290.D

Acq: 19 Jun 2023 19:50

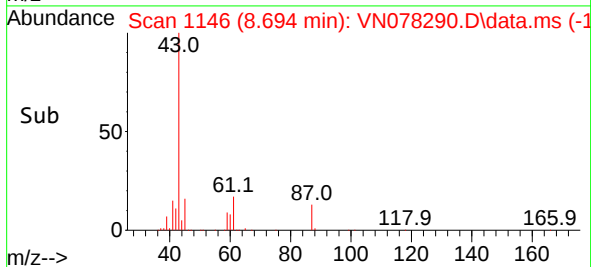
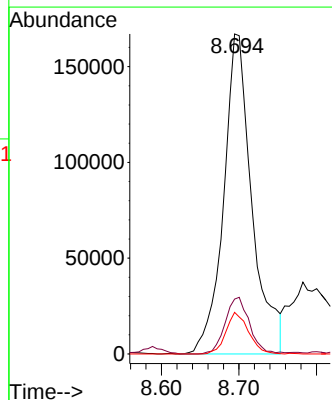
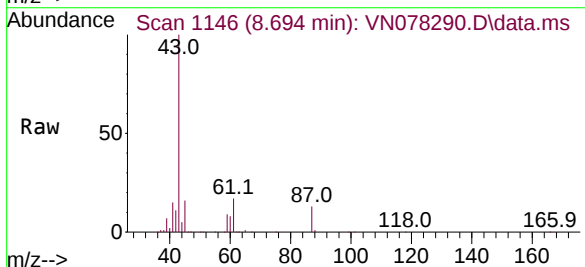
Tgt Ion: 43 Resp: 426535

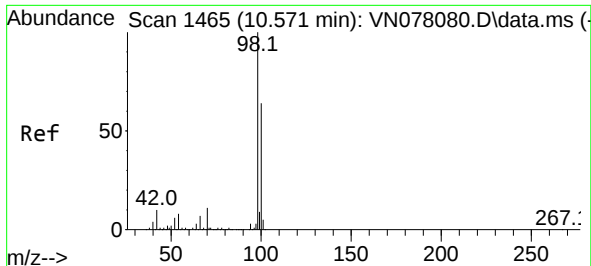
Ion Ratio Lower Upper

43 100

61 15.2 24.7 37.1#

87 10.3 14.6 21.8#

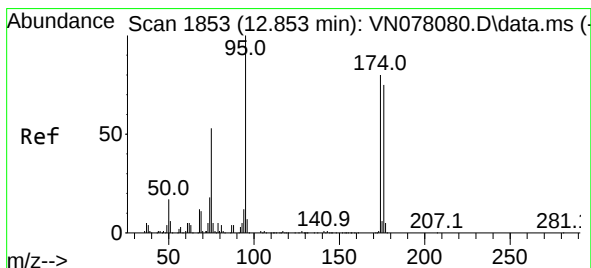
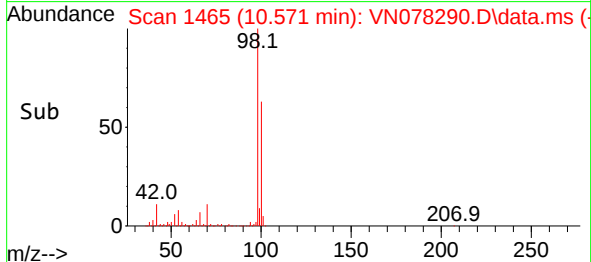
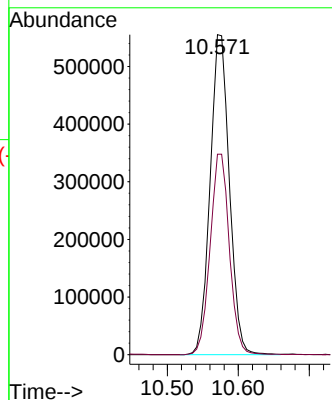
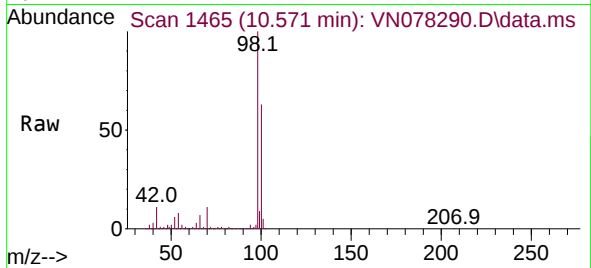




#50
Toluene-d8
Concen: 48.743 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078290.D
Acq: 19 Jun 2023 19:50

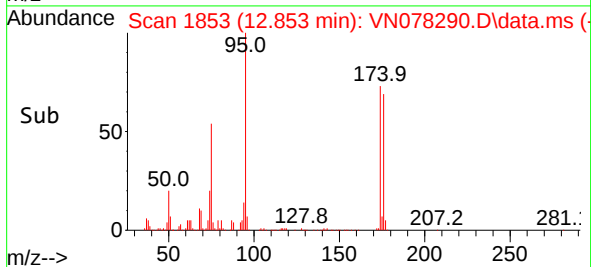
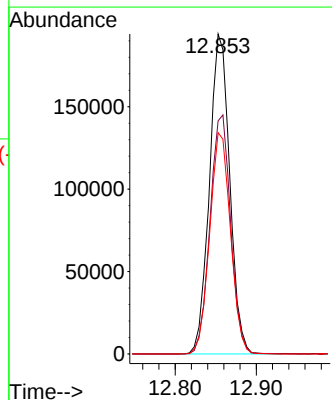
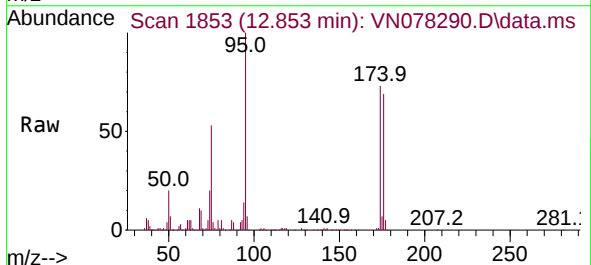
Instrument :
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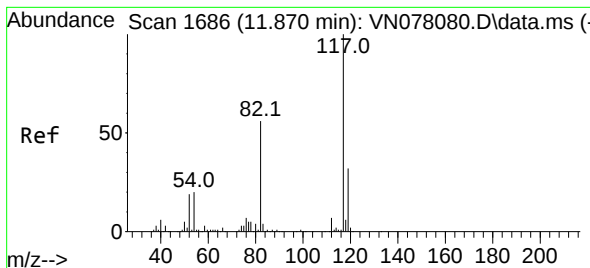
Tgt Ion: 98 Resp: 1044284
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 50.549 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078290.D
Acq: 19 Jun 2023 19:50

Tgt Ion: 95 Resp: 336665
Ion Ratio Lower Upper
95 100
174 76.3 0.0 143.8
176 70.7 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078290.D

Acq: 19 Jun 2023 19:50

Instrument :

MSVOA_N

ClientSampleId :

WC-13

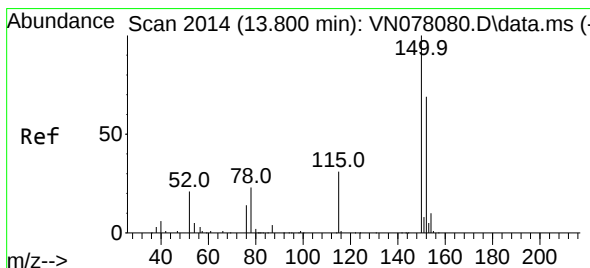
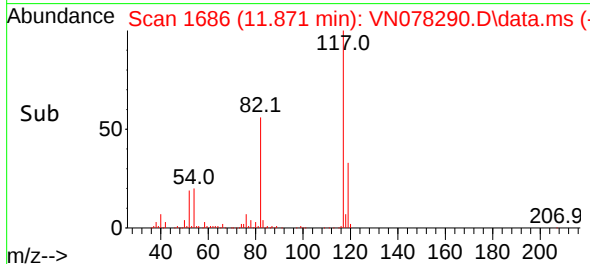
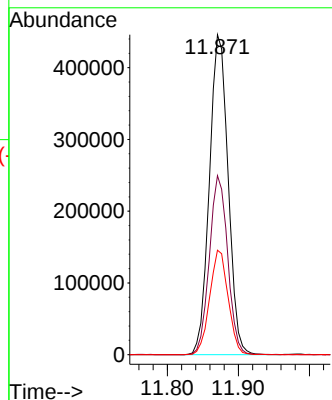
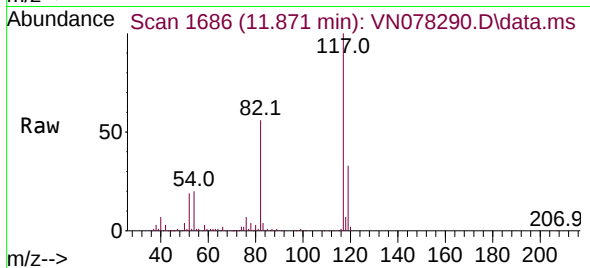
Tgt Ion:117 Resp: 815018

Ion Ratio Lower Upper

117 100

82 55.9 44.0 66.0

119 32.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078290.D

Acq: 19 Jun 2023 19:50

Tgt Ion:152 Resp: 253950

Ion Ratio Lower Upper

152 100

115 62.5 32.3 96.8

150 158.6 0.0 355.8

