

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071023\
 Data File : VN078455.D
 Acq On : 10 Jul 2023 15:10
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 10 16:20:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	348956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	614741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	514953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114189	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	234291	50.082	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.160%
35) Dibromofluoromethane	8.177	113	208260	49.906	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.820%
50) Toluene-d8	10.576	98	741089	47.010	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.020%
62) 4-Bromofluorobenzene	12.853	95	178242	36.707	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	73.420%#

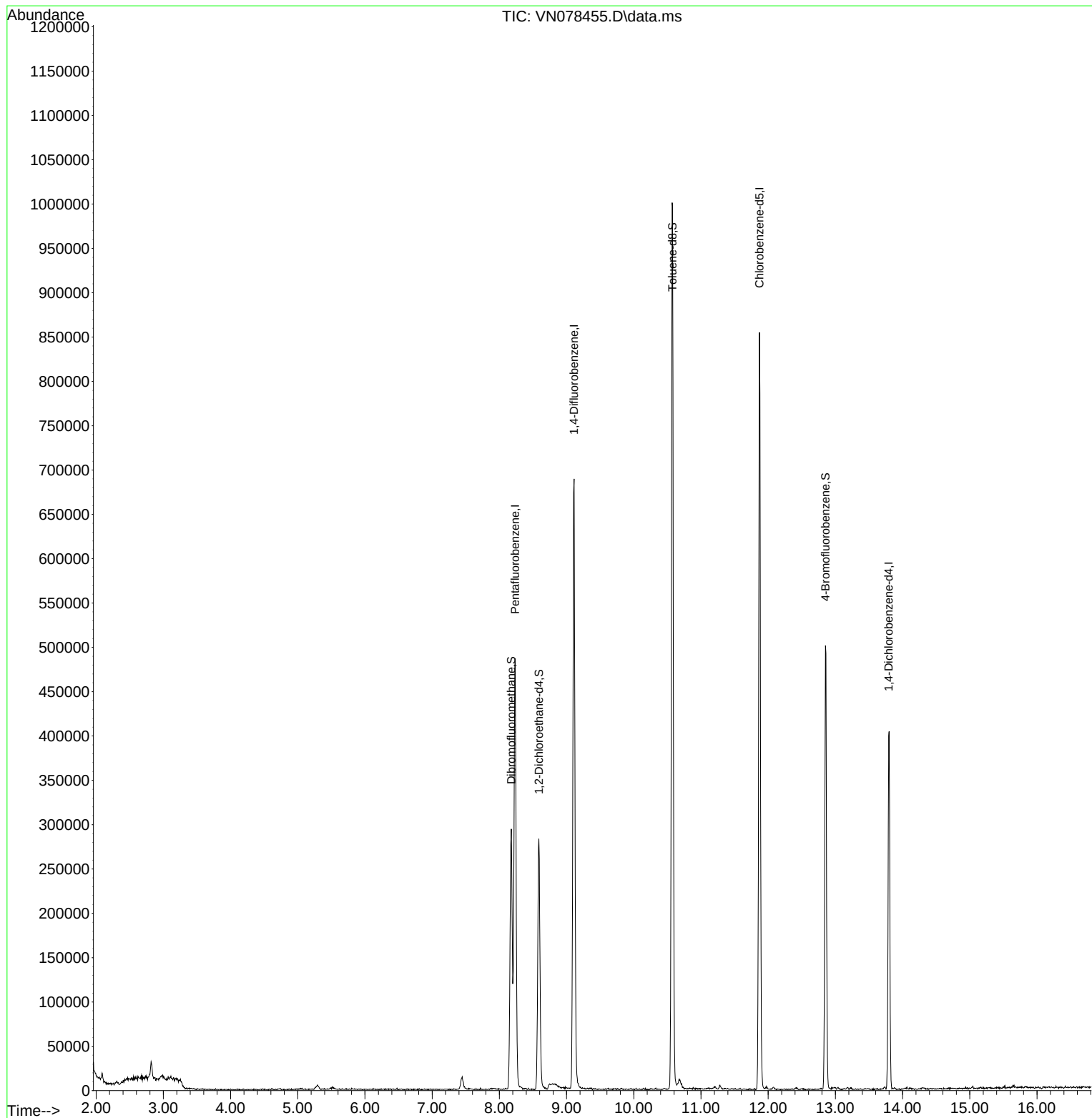
Target Compounds	Qvalue

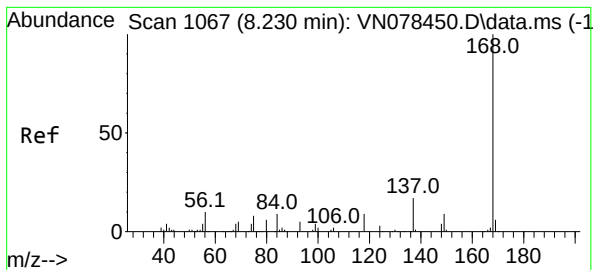
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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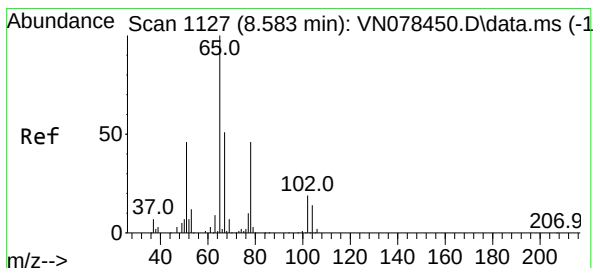
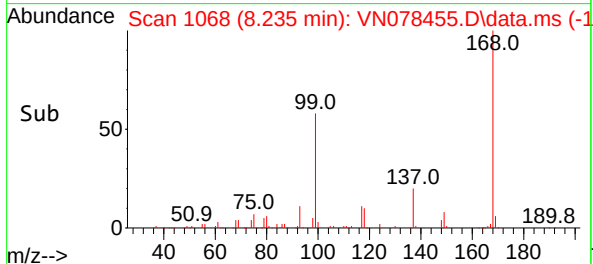
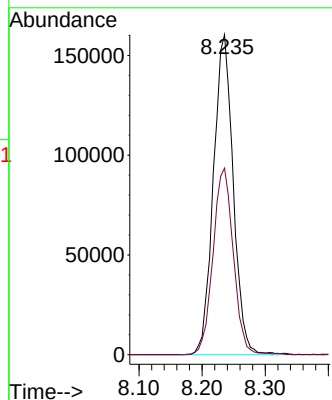
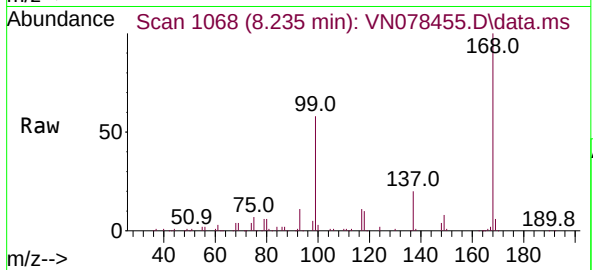




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN078455.D
Acq: 10 Jul 2023 15:10

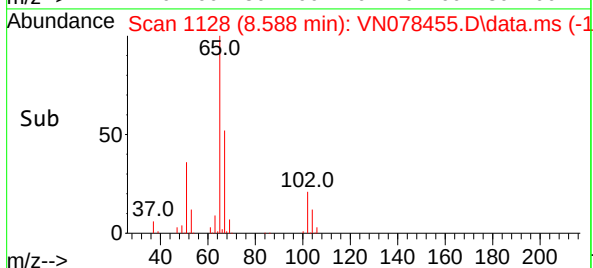
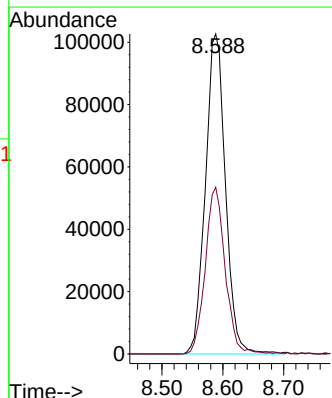
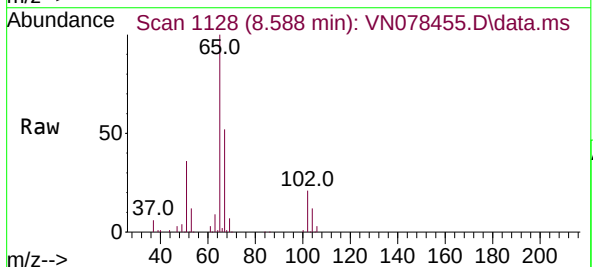
Instrument :
MSVOA_N
ClientSampleId :
IBLK

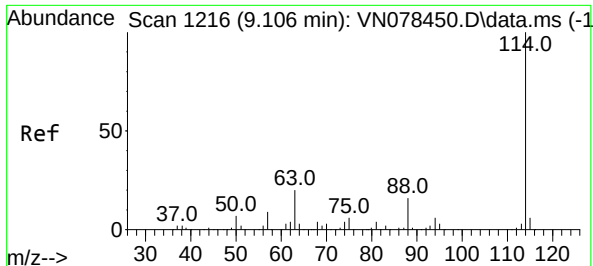
Tgt Ion:168 Resp: 348956
Ion Ratio Lower Upper
168 100
99 58.3 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 50.082 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078455.D
Acq: 10 Jul 2023 15:10

Tgt Ion: 65 Resp: 234291
Ion Ratio Lower Upper
65 100
67 51.7 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: VN078455.D

Acq: 10 Jul 2023 15:10

Instrument :

MSVOA_N

ClientSampleId :

IBLK

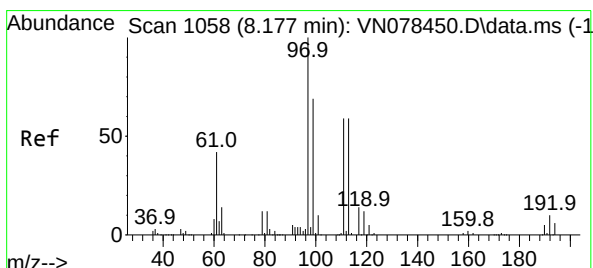
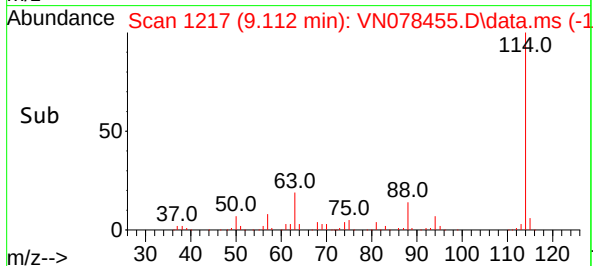
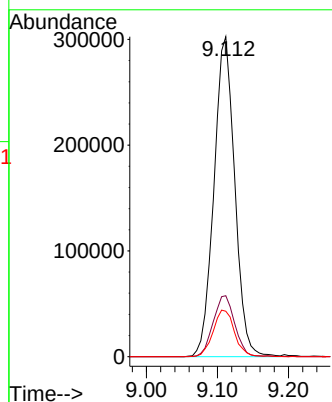
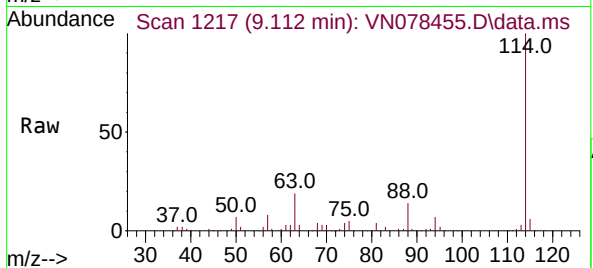
Tgt Ion:114 Resp: 614741

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.906 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078455.D

Acq: 10 Jul 2023 15:10

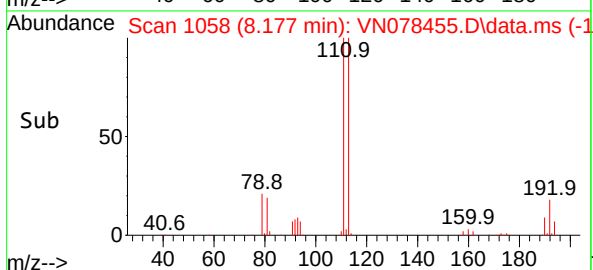
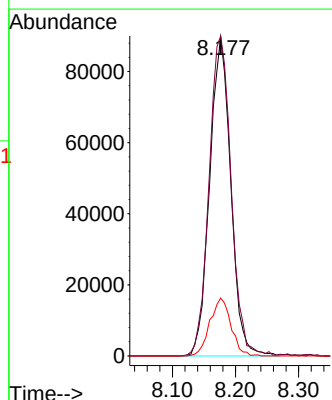
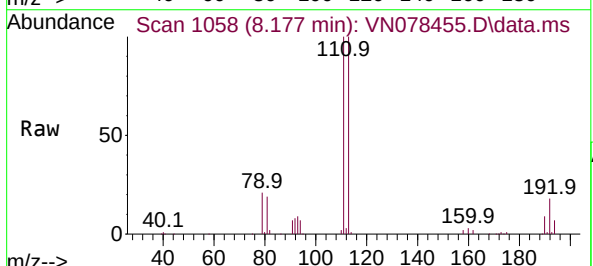
Tgt Ion:113 Resp: 208260

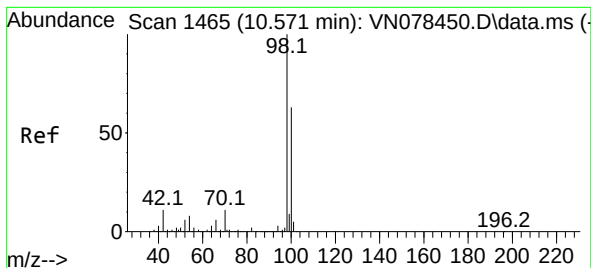
Ion Ratio Lower Upper

113 100

111 105.1 82.6 123.8

192 18.1 12.7 19.1





#50

Toluene-d8

Concen: 47.010 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN078455.D

Acq: 10 Jul 2023 15:10

Instrument :

MSVOA_N

ClientSampleId :

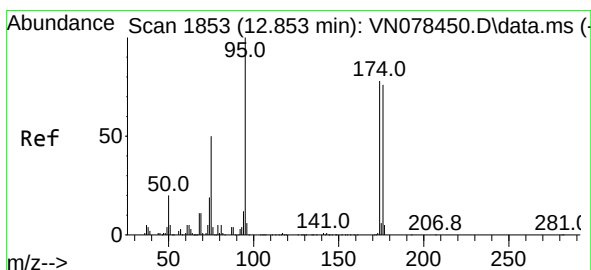
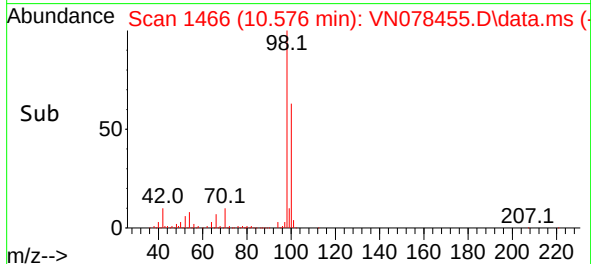
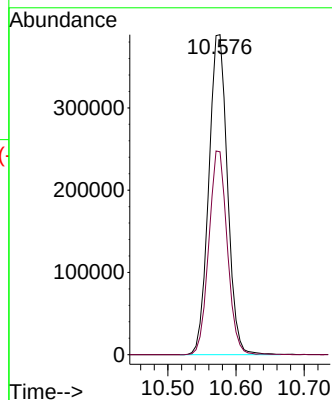
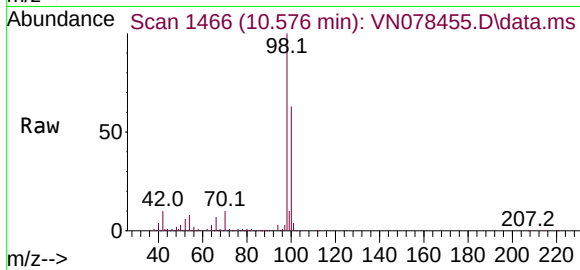
IBLK

Tgt Ion: 98 Resp: 741089

Ion Ratio Lower Upper

98 100

100 63.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 36.707 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN078455.D

Acq: 10 Jul 2023 15:10

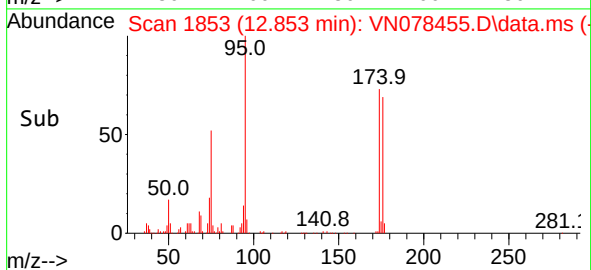
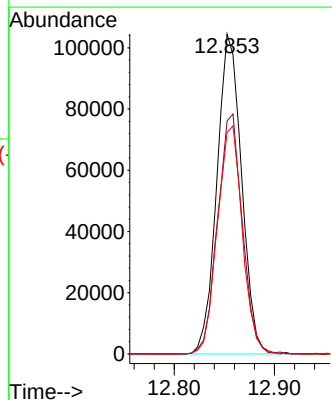
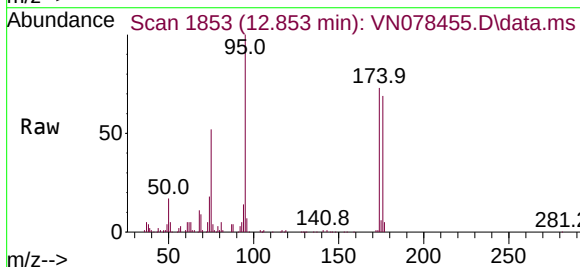
Tgt Ion: 95 Resp: 178242

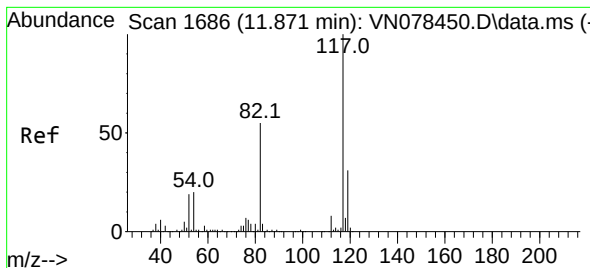
Ion Ratio Lower Upper

95 100

174 75.5 0.0 143.8

176 72.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078455.D

Acq: 10 Jul 2023 15:10

Instrument :

MSVOA_N

ClientSampleId :

IBLK

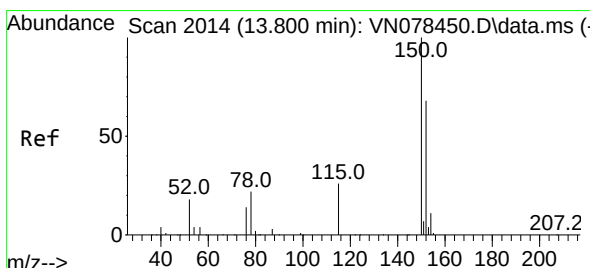
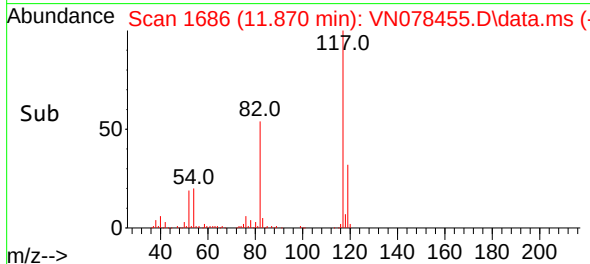
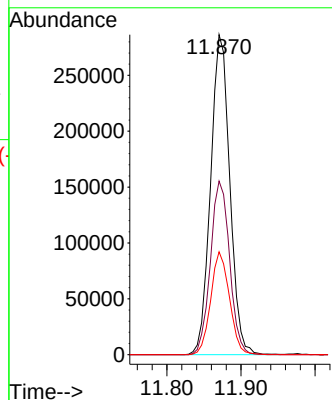
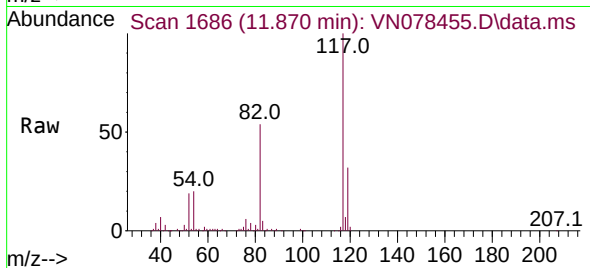
Tgt Ion:117 Resp: 514953

Ion Ratio Lower Upper

117 100

82 54.2 44.0 66.0

119 32.1 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.006 min

Lab File: VN078455.D

Acq: 10 Jul 2023 15:10

Tgt Ion:152 Resp: 114189

Ion Ratio Lower Upper

152 100

115 61.0 32.3 96.8

150 155.8 0.0 355.8

