

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062123\
 Data File : VN078321.D
 Acq On : 21 Jun 2023 14:46
 Operator : JC\MD
 Sample : 03359-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-062023

Quant Time: Jun 22 04:49:35 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	445510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	822633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	727439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	219860	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	314674	52.975	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.960%
35) Dibromofluoromethane	8.177	113	290748	55.898	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.800%
50) Toluene-d8	10.571	98	951145	47.434	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.860%
62) 4-Bromofluorobenzene	12.853	95	298868	47.944	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.880%

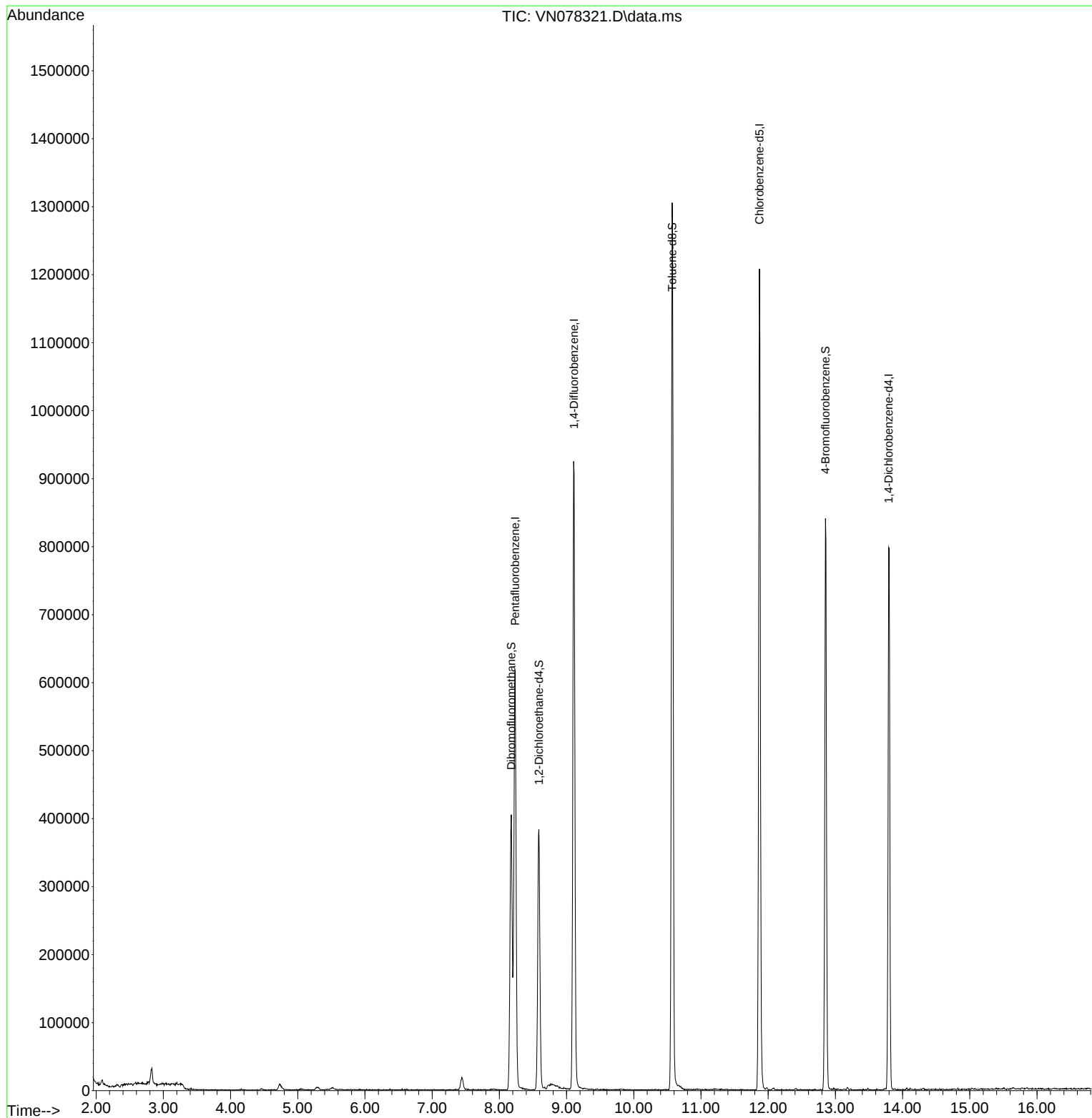
Target Compounds	Qvalue

(#) = 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# 110

Delta R.T. 0.000 min

Lab File: VN078321.D

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Instrument :

MSVOA_N

ClientSampleId :

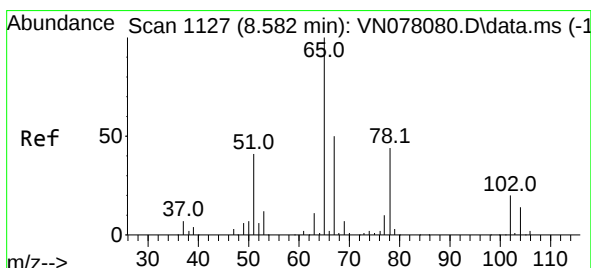
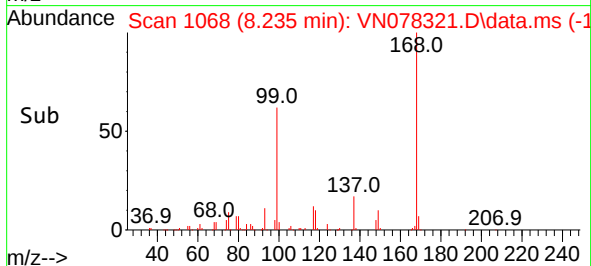
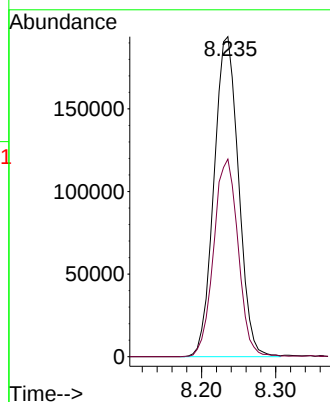
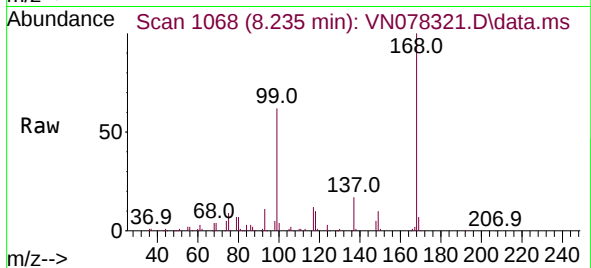
TB-01-062023

Tgt Ion:168 Resp: 445510

Ion Ratio Lower Upper

168 100

99 61.7 53.0 79.6



#33

1,2-Dichloroethane-d4

Concen: 52.975 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078321.D

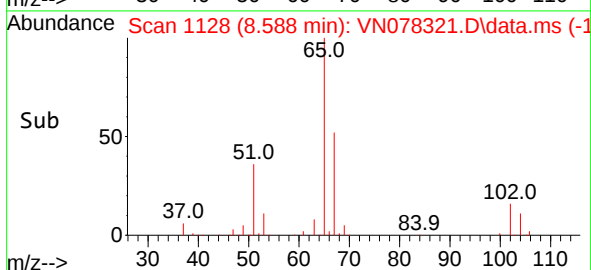
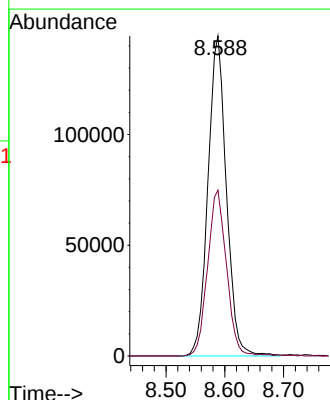
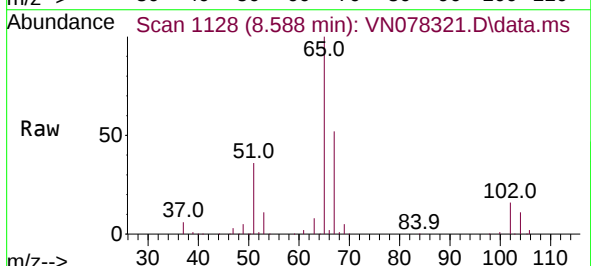
Acq: 21 Jun 2023 14:46

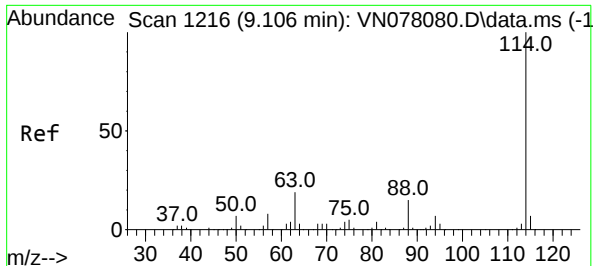
Tgt Ion: 65 Resp: 314674

Ion Ratio Lower Upper

65 100

67 53.4 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: VN078321.D

Acq: 21 Jun 2023 14:46

Instrument :

MSVOA_N

ClientSampleId :

TB-01-062023

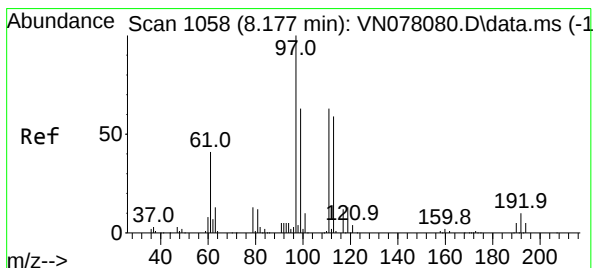
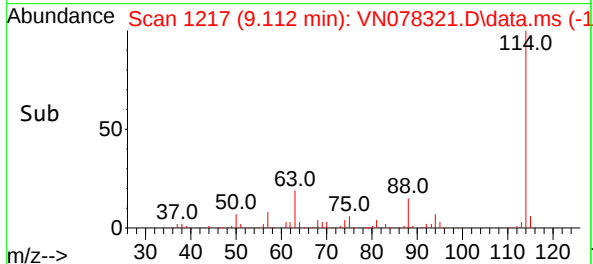
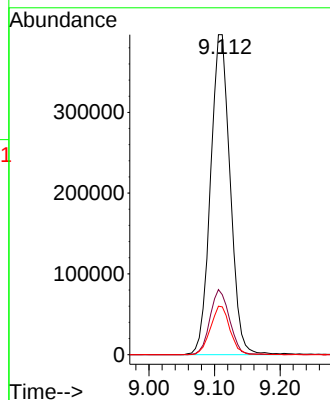
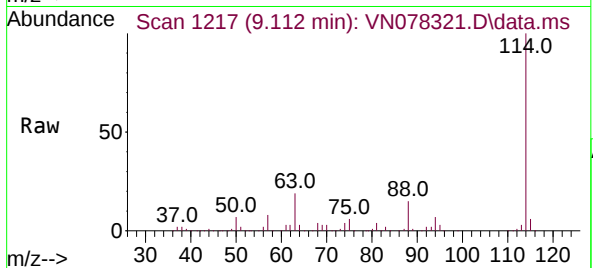
Tgt Ion:114 Resp: 822633

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.898 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078321.D

Acq: 21 Jun 2023 14:46

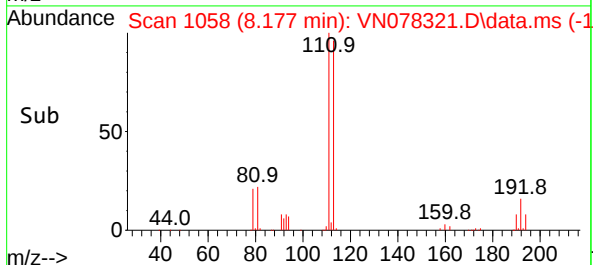
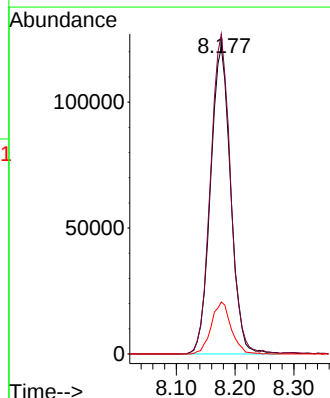
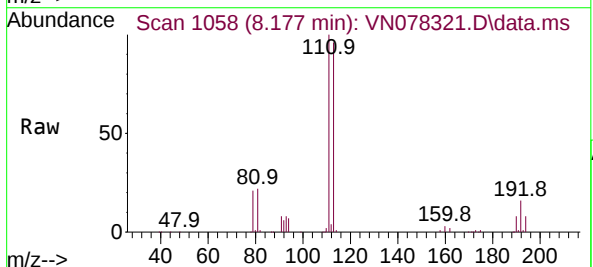
Tgt Ion:113 Resp: 290748

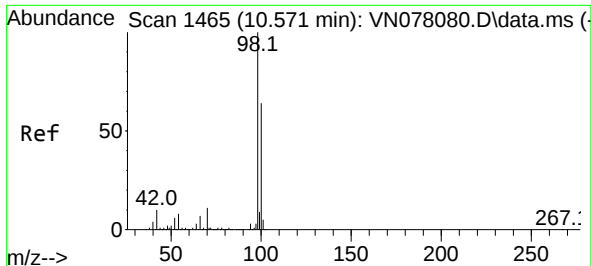
Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 16.7 12.7 19.1

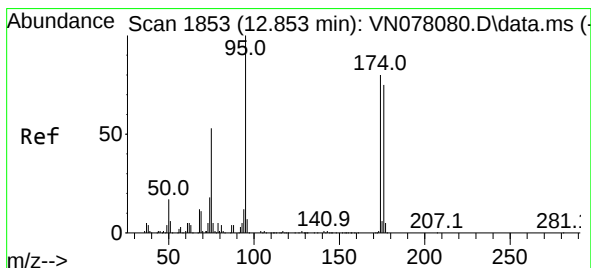
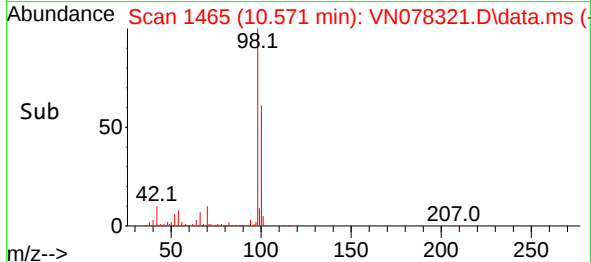
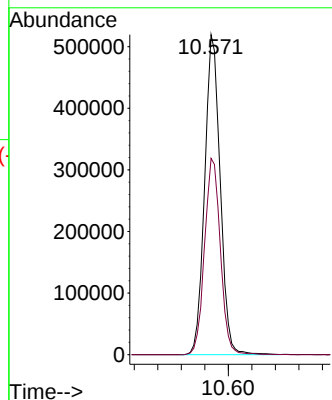
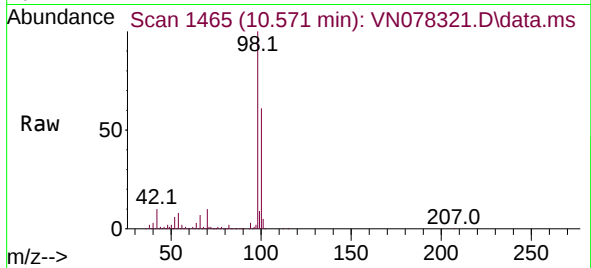




#50
Toluene-d8
Concen: 47.434 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078321.D
Acq: 21 Jun 2023 14:46

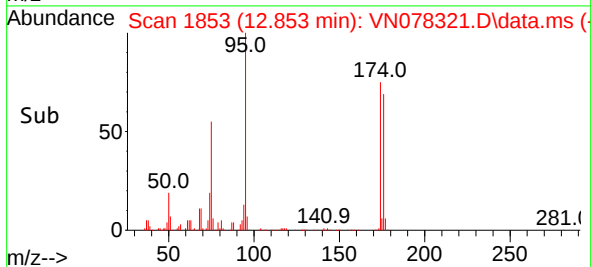
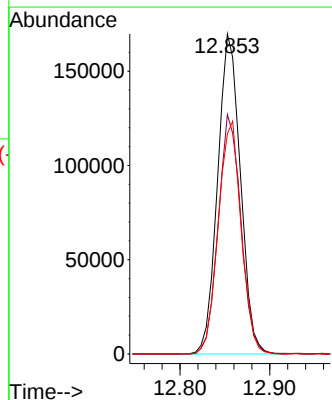
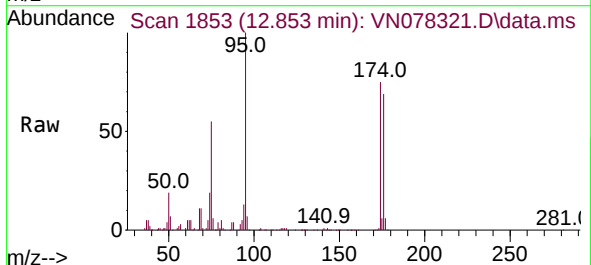
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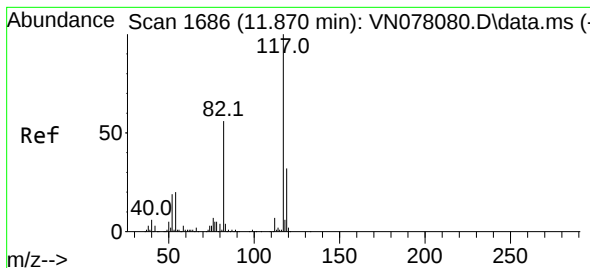
Tgt Ion: 98 Resp: 951145
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 47.944 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078321.D
Acq: 21 Jun 2023 14:46

Tgt Ion: 95 Resp: 298868
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 73.0 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078321.D

Acq: 21 Jun 2023 14:46

Instrument :

MSVOA_N

ClientSampleId :

TB-01-062023

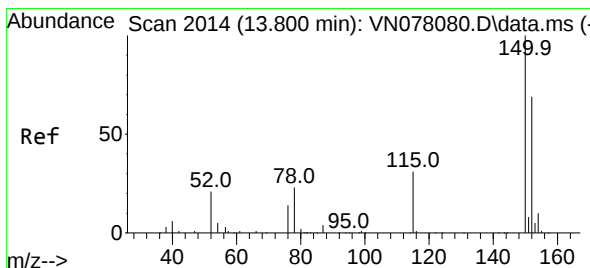
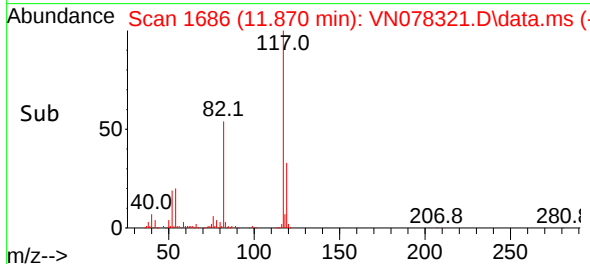
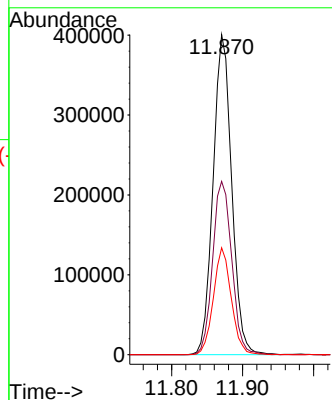
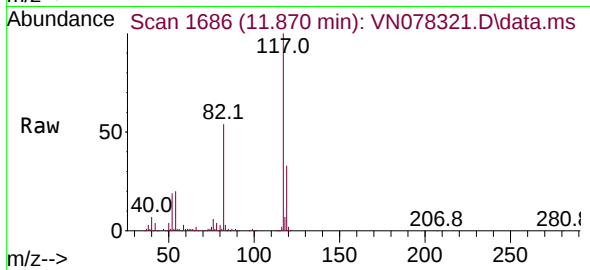
Tgt Ion:117 Resp: 727439

Ion Ratio Lower Upper

117 100

82 54.1 44.0 66.0

119 33.4 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: VN078321.D

Acq: 21 Jun 2023 14:46

Tgt Ion:152 Resp: 219860

Ion Ratio Lower Upper

152 100

115 62.5 32.3 96.8

150 158.0 0.0 355.8

