

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120823\
 Data File : VN080413.D
 Acq On : 08 Dec 2023 17:57
 Operator : JC\MD
 Sample : 05729-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAG

Quant Time: Dec 08 22:43:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	292597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	556942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	549369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227970	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	228103	47.214	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.420%
35) Dibromofluoromethane	8.171	113	198088	48.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.400%
50) Toluene-d8	10.571	98	724851	48.930	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.860%
62) 4-Bromofluorobenzene	12.853	95	280577	50.144	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.280%

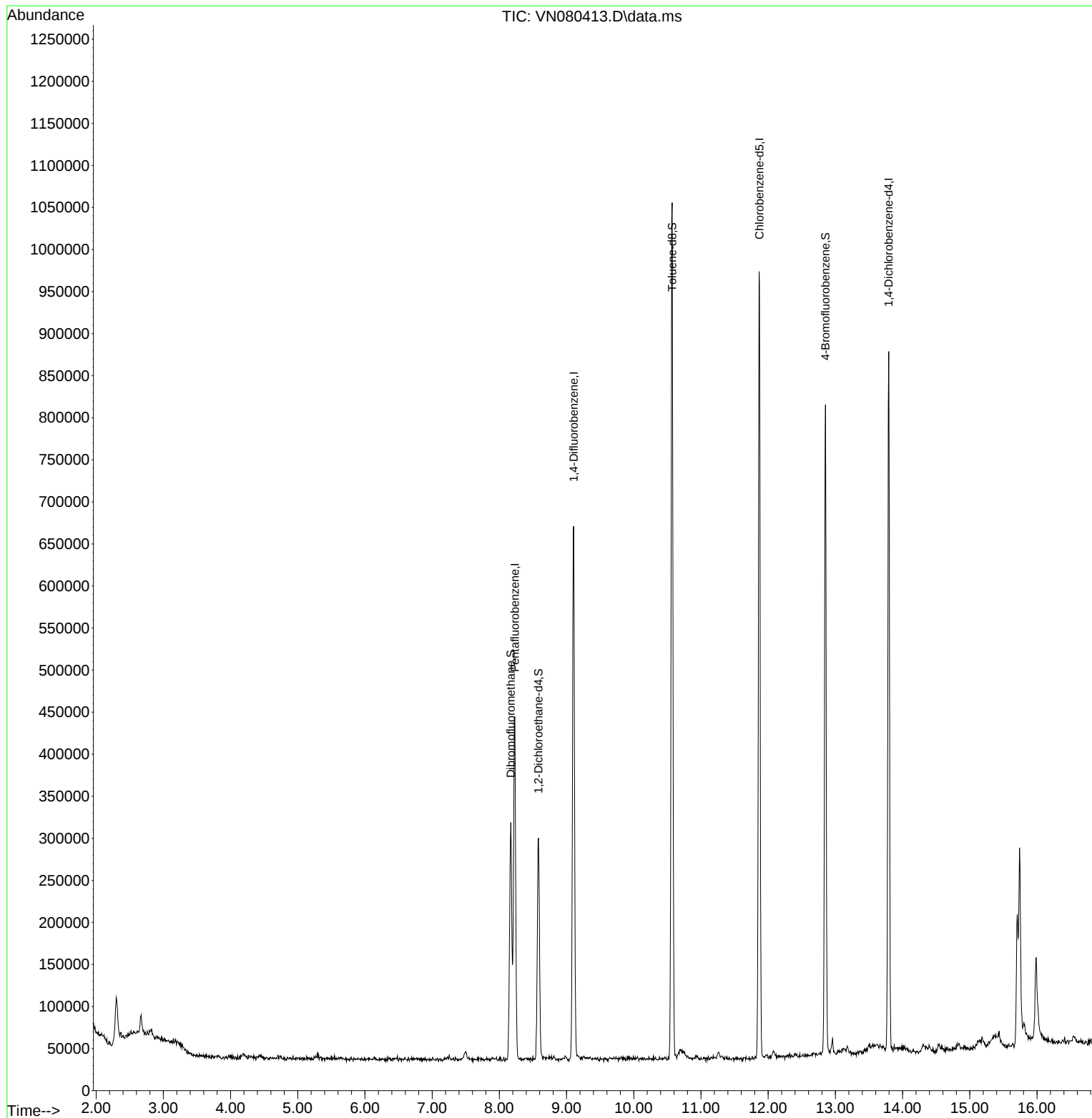
Target Compounds	Qvalue

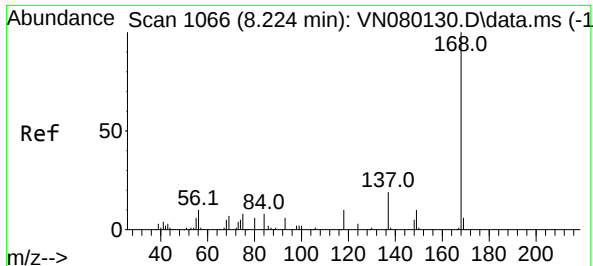
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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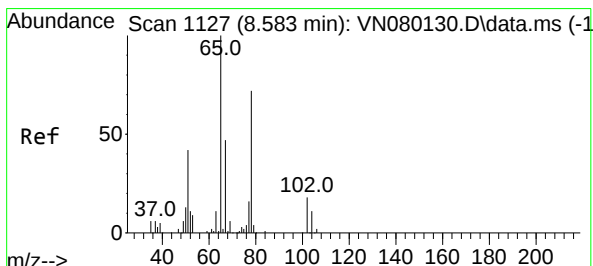
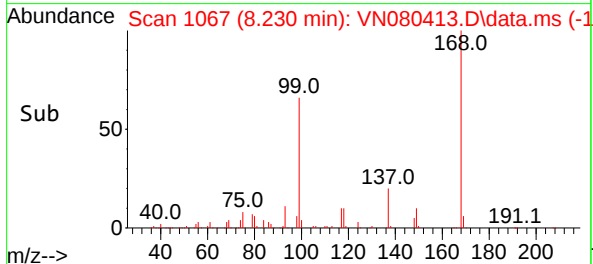
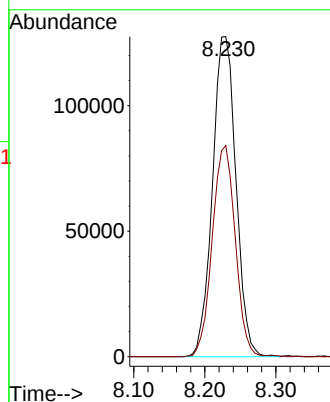
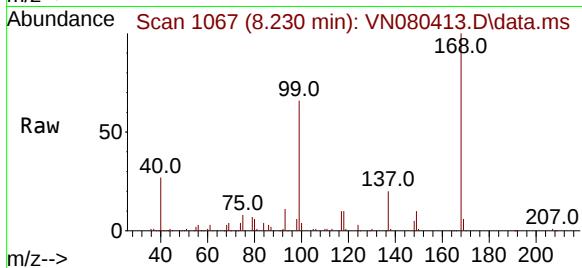




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

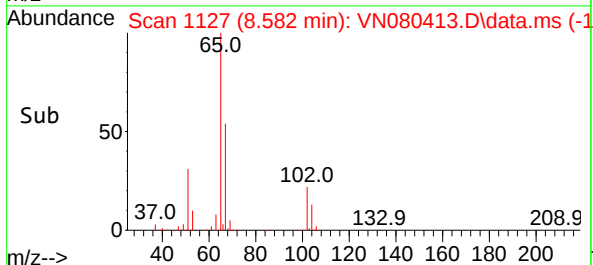
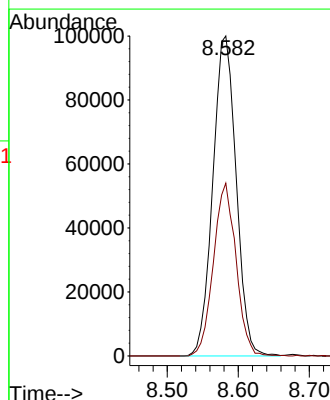
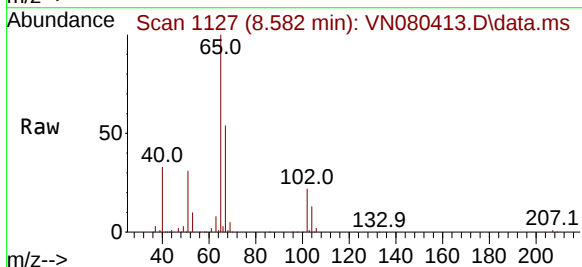
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAG

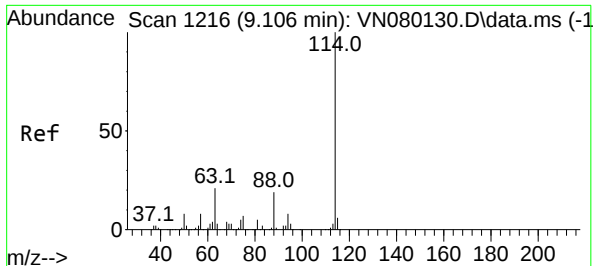
Tgt Ion:168 Resp: 292597
Ion Ratio Lower Upper
168 100
99 66.0 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 47.214 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

Tgt Ion: 65 Resp: 228103
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAG

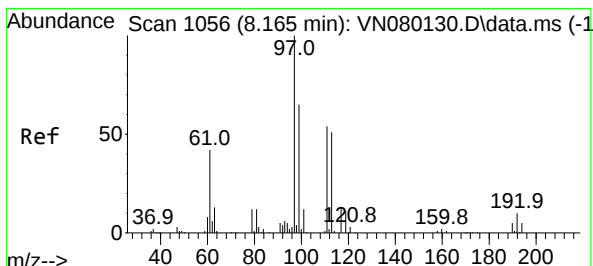
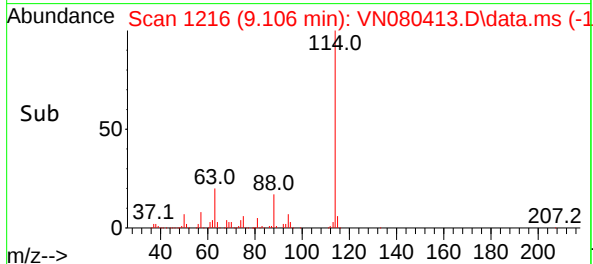
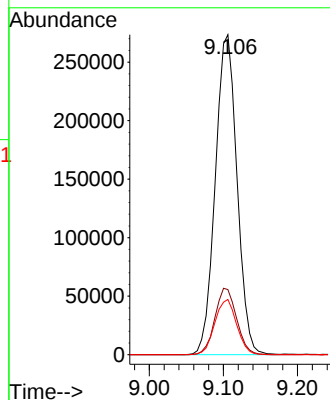
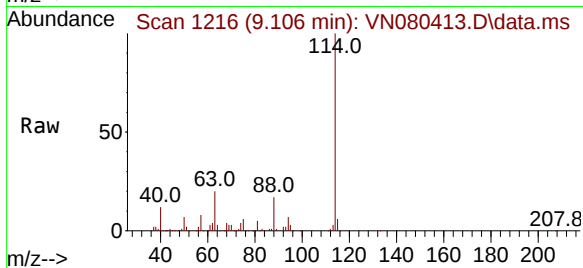
Tgt Ion:114 Resp: 556942

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 17.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.202 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

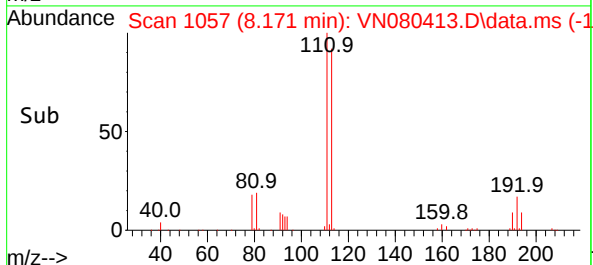
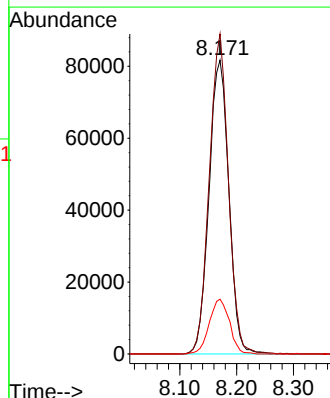
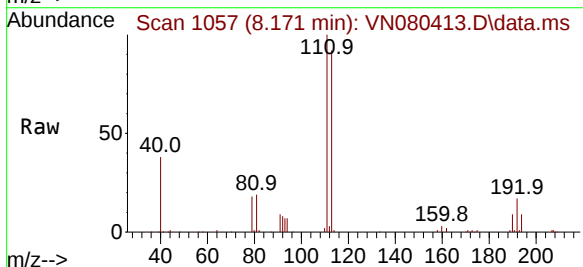
Tgt Ion:113 Resp: 198088

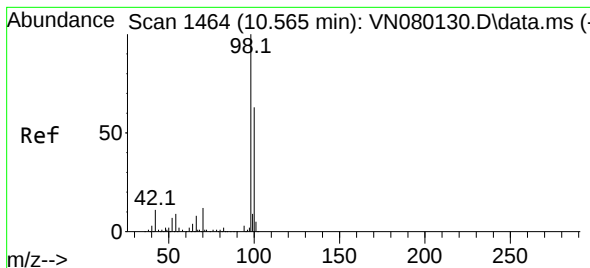
Ion Ratio Lower Upper

113 100

111 105.0 82.6 123.8

192 19.0 12.7 19.1





#50

Toluene-d8

Concen: 48.930 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

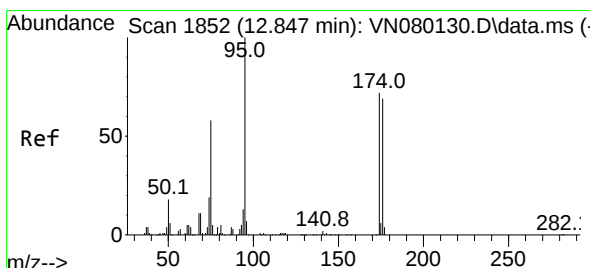
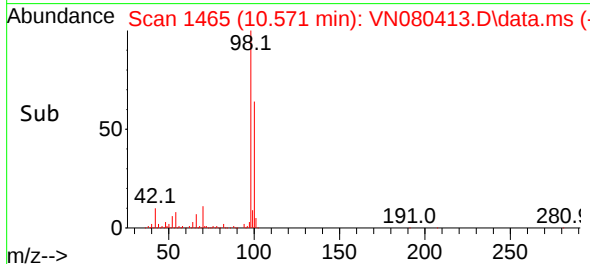
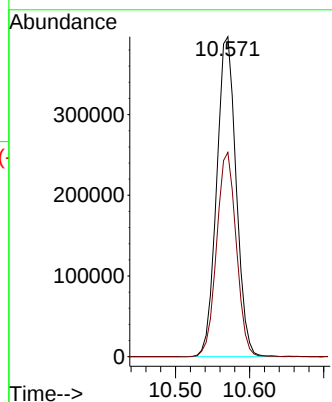
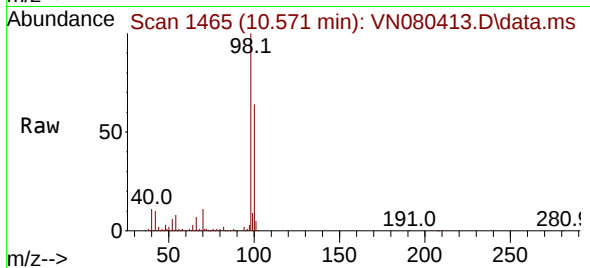
STORAGE-BLANK-SAMPLE-MANAG

Tgt Ion: 98 Resp: 724851

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 50.144 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

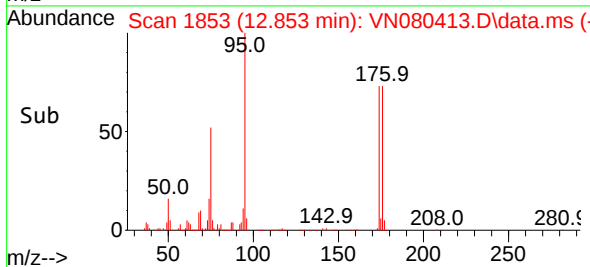
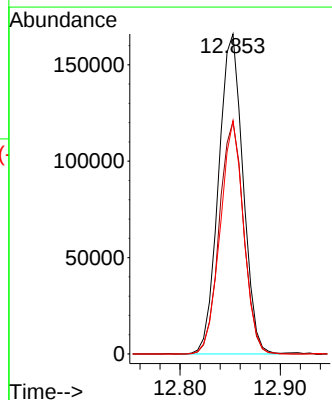
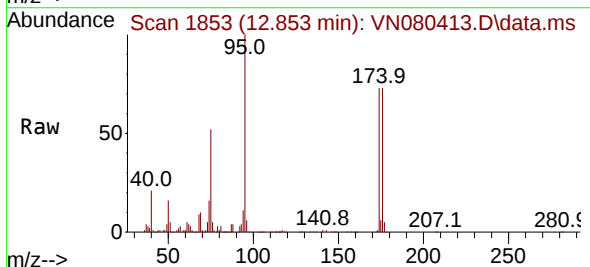
Tgt Ion: 95 Resp: 280577

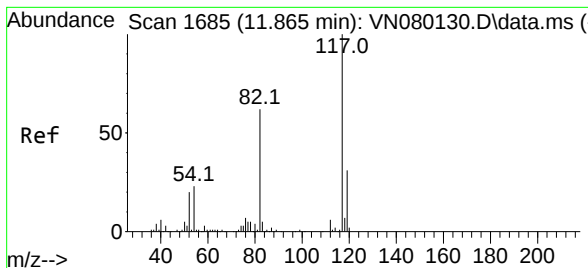
Ion Ratio Lower Upper

95 100

174 72.0 0.0 143.8

176 69.7 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAG

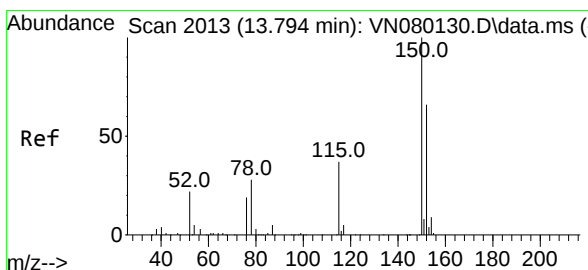
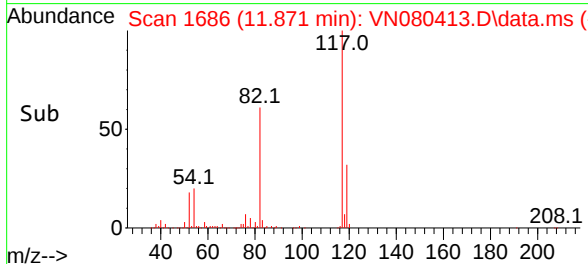
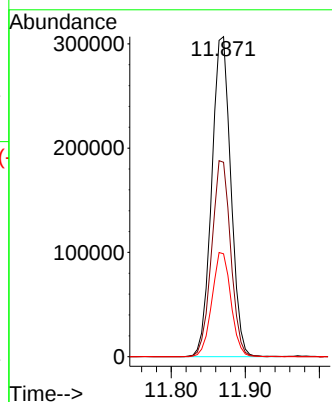
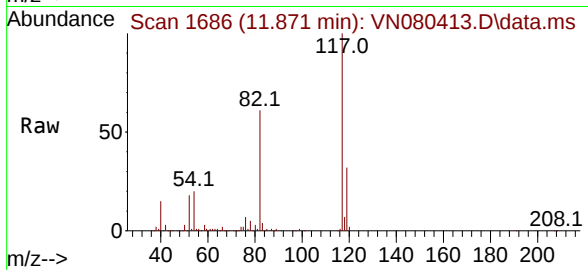
Tgt Ion:117 Resp: 549369

Ion Ratio Lower Upper

117 100

82 60.8 44.0 66.0

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

Tgt Ion:152 Resp: 227970

Ion Ratio Lower Upper

152 100

115 66.7 32.3 96.8

150 157.1 0.0 355.8

