

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120822\
 Data File : VN075657.D
 Acq On : 08 Dec 2022 19:20
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 09 02:30:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	156330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	254210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	221381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94812	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	43468	51.800	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.600%
35) Dibromofluoromethane	8.171	113	56052	56.129	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.260%
50) Toluene-d8	10.571	98	109614	48.735	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.480%
62) 4-Bromofluorobenzene	12.853	95	75763	45.637	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.280%

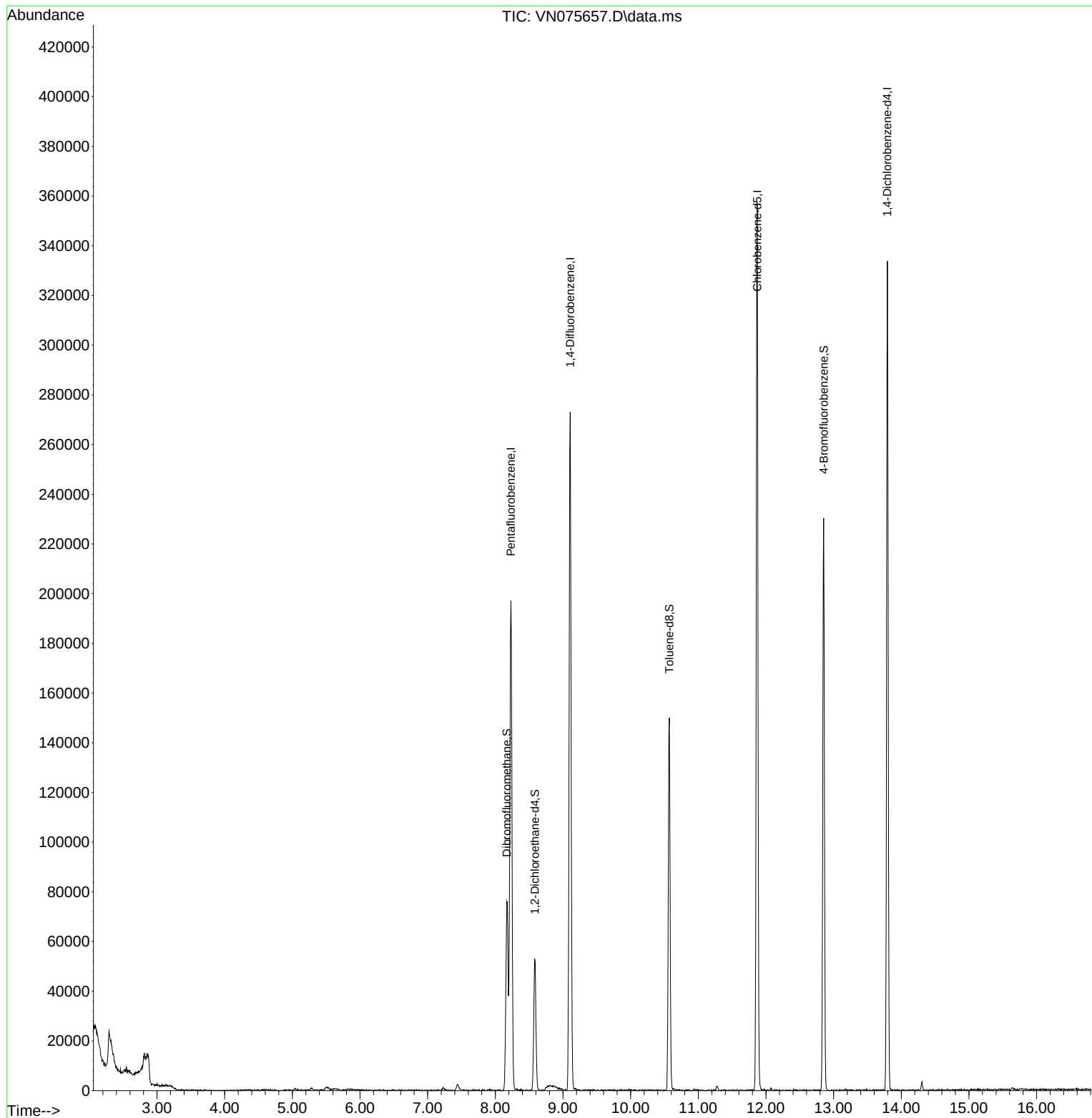
Target Compounds	Qvalue

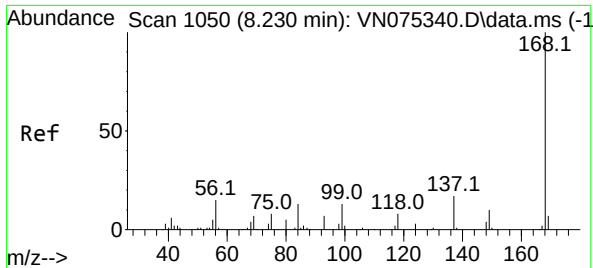
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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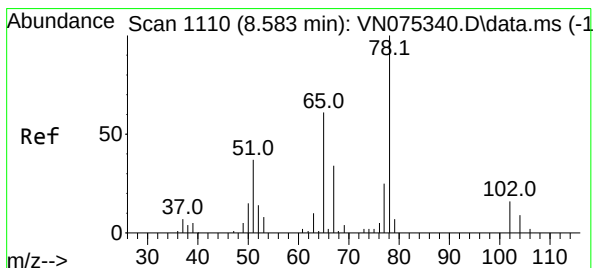
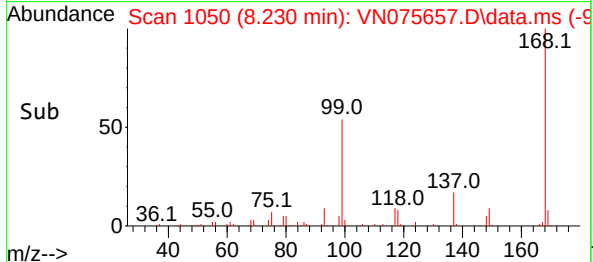
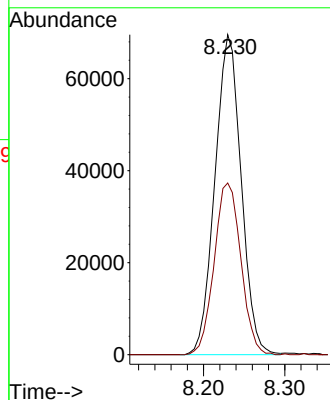
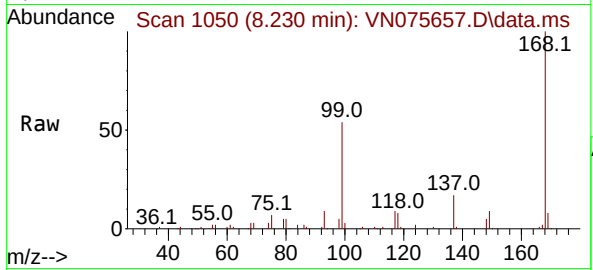




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075657.D
Acq: 08 Dec 2022 19:20

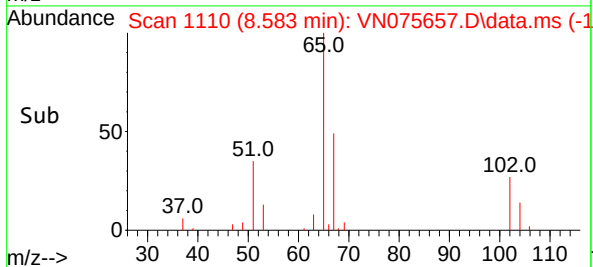
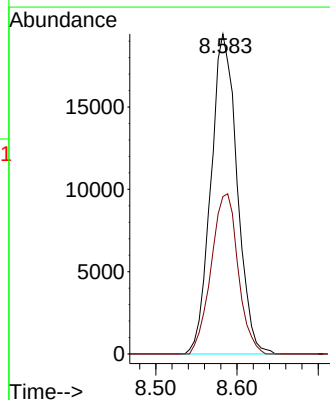
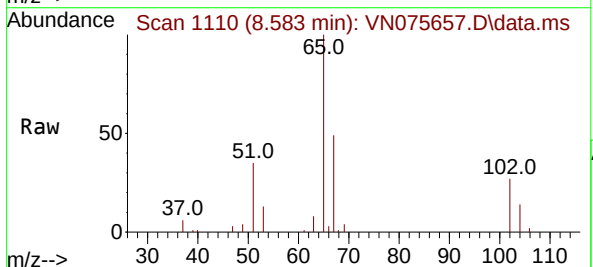
Instrument :
MSVOA_N
ClientSampleId :
IBLK

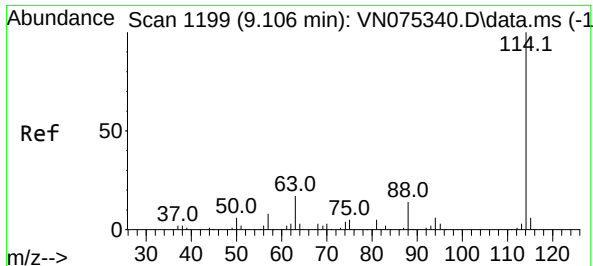
Tgt Ion:168 Resp: 156330
Ion Ratio Lower Upper
168 100
99 53.7 51.6 77.4



#33
1,2-Dichloroethane-d4
Concen: 51.800 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075657.D
Acq: 08 Dec 2022 19:20

Tgt Ion: 65 Resp: 43468
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075657.D

Acq: 08 Dec 2022 19:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK

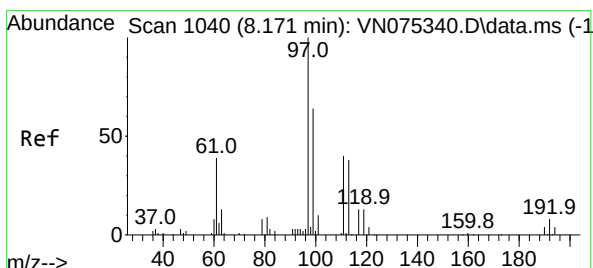
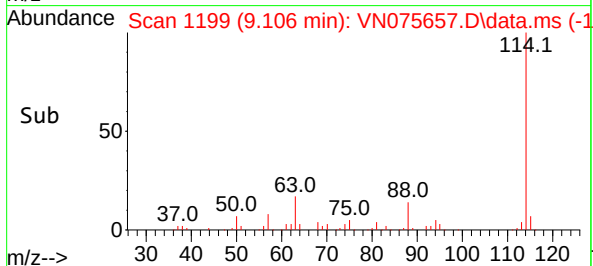
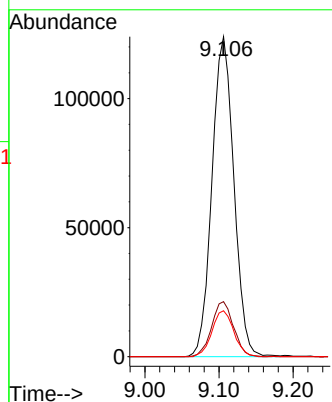
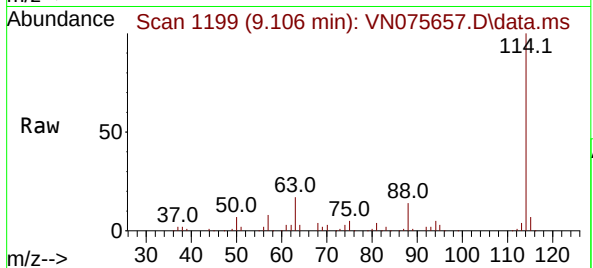
Tgt Ion:114 Resp: 254210

Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.6

88 14.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 56.129 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075657.D

Acq: 08 Dec 2022 19:20

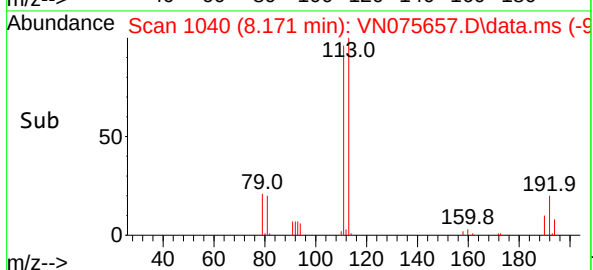
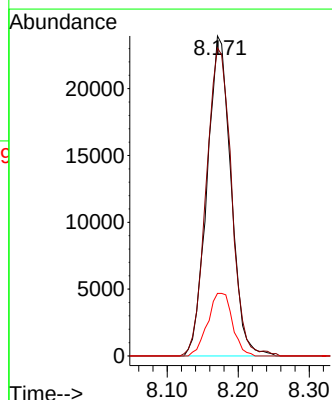
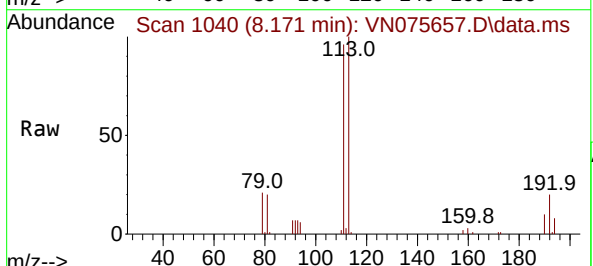
Tgt Ion:113 Resp: 56052

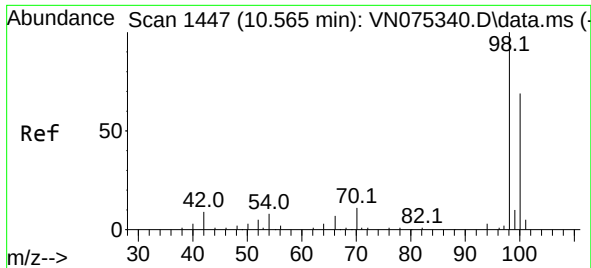
Ion Ratio Lower Upper

113 100

111 101.3 80.5 120.7

192 20.1 13.2 19.8#

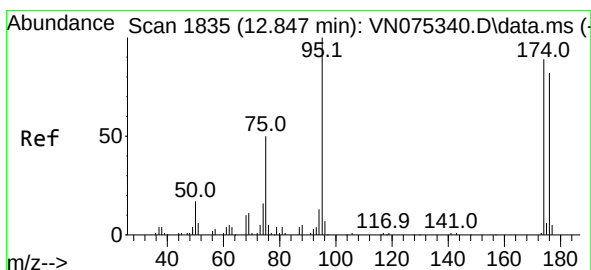
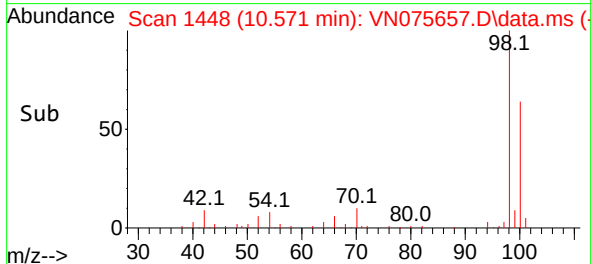
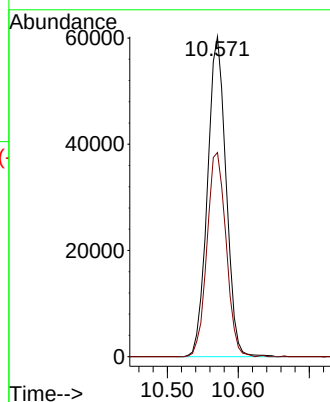
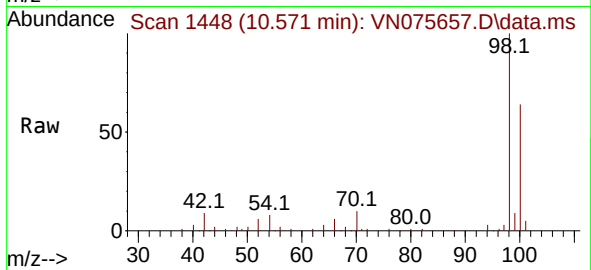




#50
Toluene-d8
Concen: 48.735 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075657.D
Acq: 08 Dec 2022 19:20

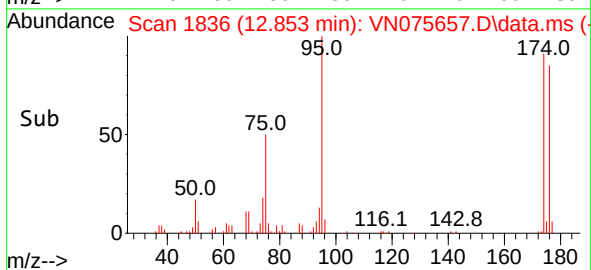
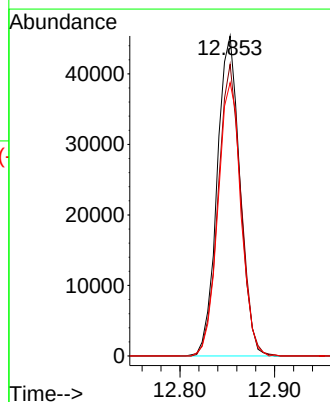
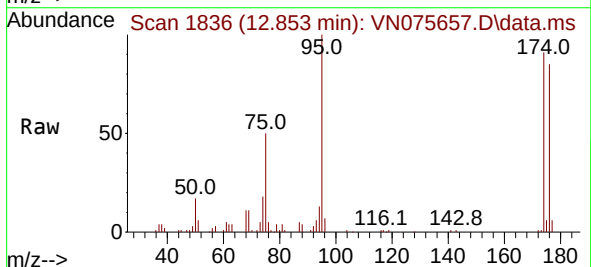
Instrument :
MSVOA_N
ClientSampleId :
IBLK

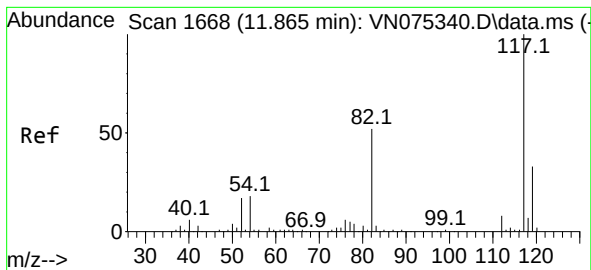
Tgt Ion: 98 Resp: 109614
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 45.637 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075657.D
Acq: 08 Dec 2022 19:20

Tgt Ion: 95 Resp: 75763
Ion Ratio Lower Upper
95 100
174 90.9 0.0 147.4
176 86.7 0.0 142.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN075657.D

Acq: 08 Dec 2022 19:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK

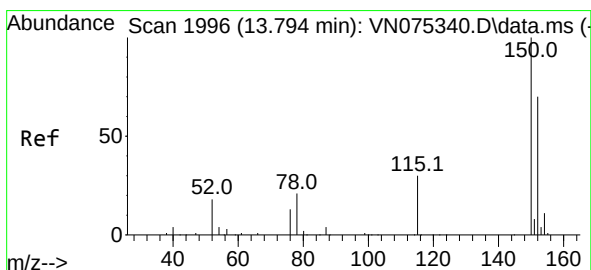
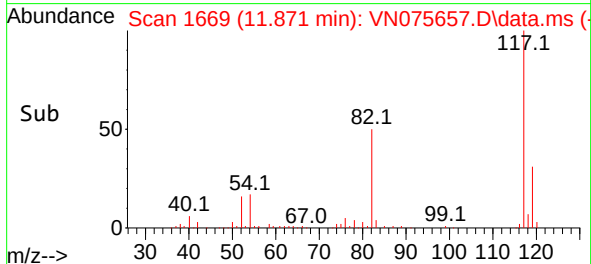
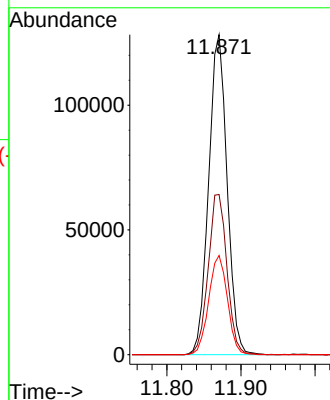
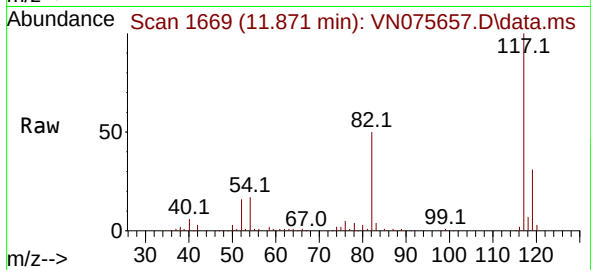
Tgt Ion:117 Resp: 221381

Ion Ratio Lower Upper

117 100

82 50.1 43.1 64.7

119 31.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN075657.D

Acq: 08 Dec 2022 19:20

Tgt Ion:152 Resp: 94812

Ion Ratio Lower Upper

152 100

115 56.9 30.2 90.6

150 155.1 0.0 348.4

