

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075790.D
 Acq On : 15 Dec 2022 01:16
 Operator : JC\MD
 Sample : N5990-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB120922

Quant Time: Dec 15 03:16:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	357196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	556254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	483214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	198501	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	182539	46.974	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.940%
35) Dibromofluoromethane	8.177	113	166710	48.395	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.780%
50) Toluene-d8	10.571	98	647156	50.246	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.500%
62) 4-Bromofluorobenzene	12.853	95	202194	47.398	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.800%

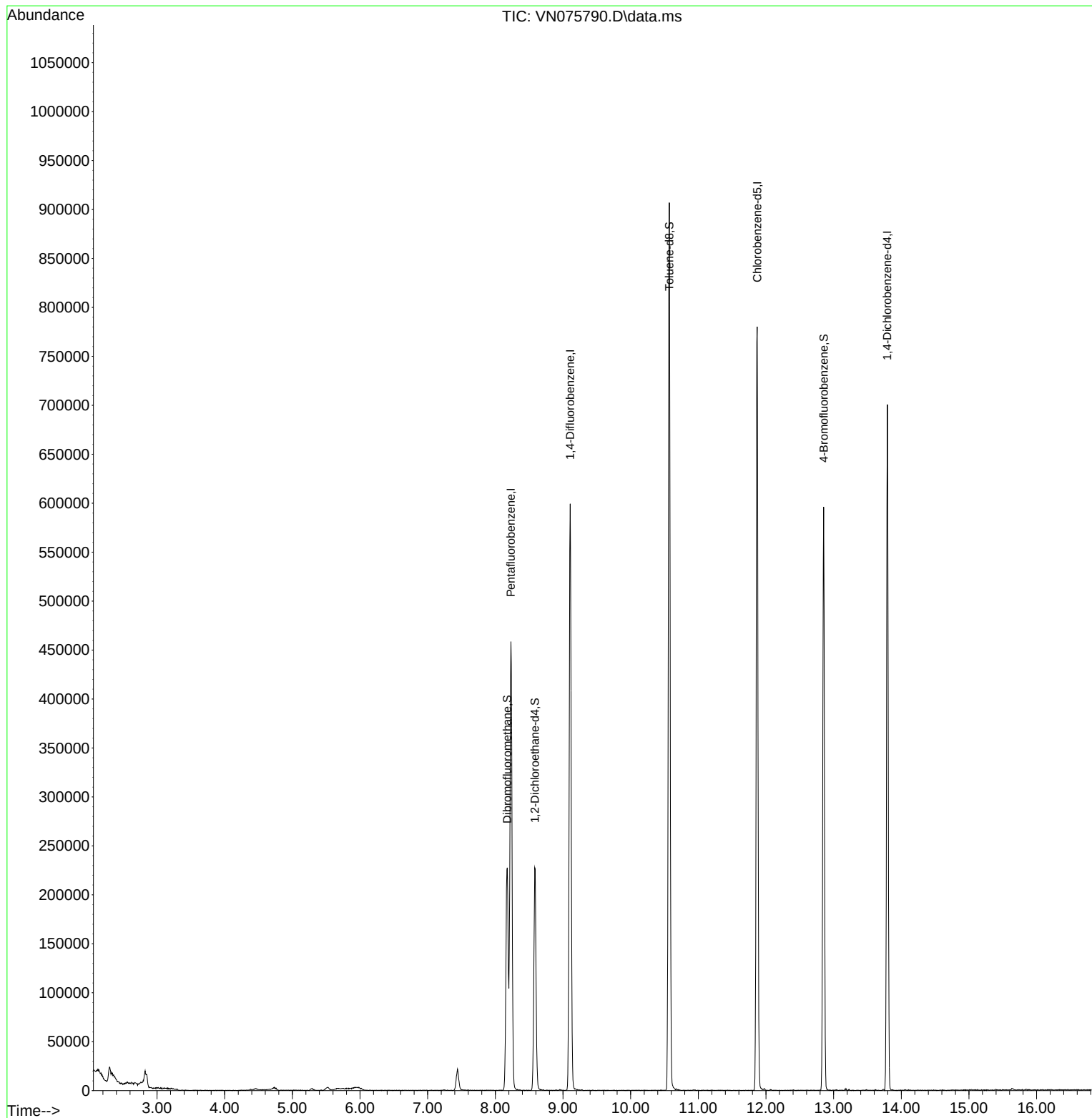
Target Compounds	Qvalue

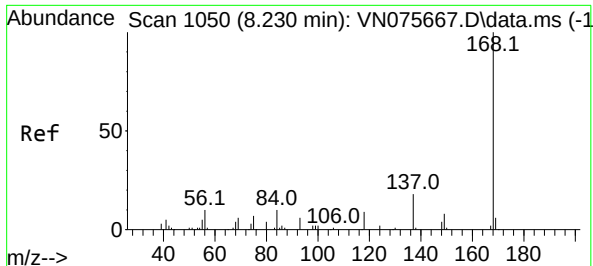
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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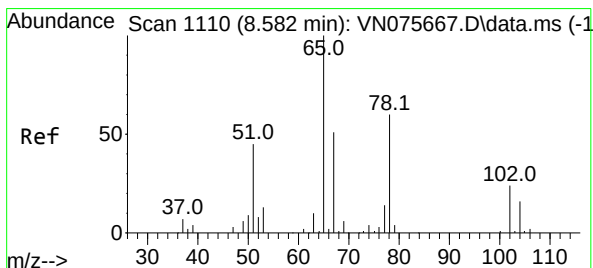
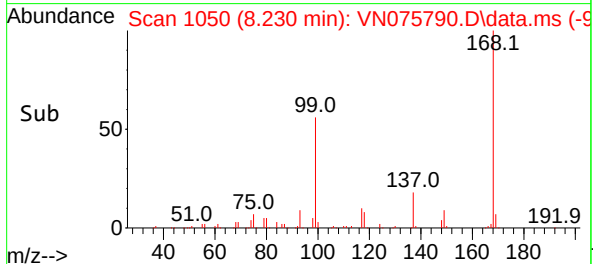
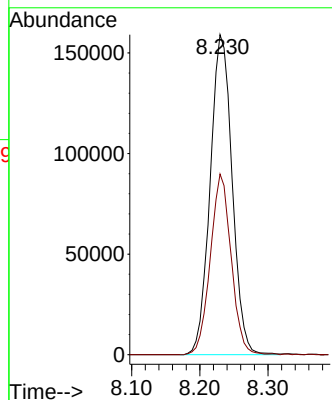
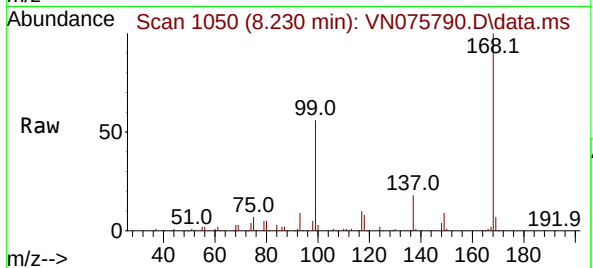




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075790.D
Acq: 15 Dec 2022 01:16

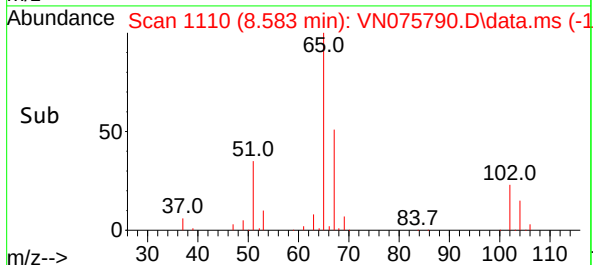
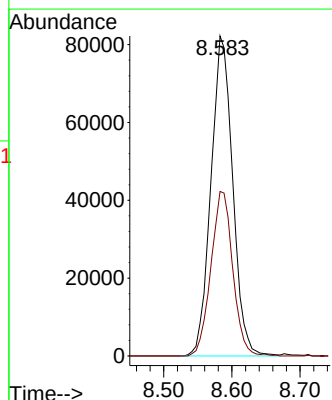
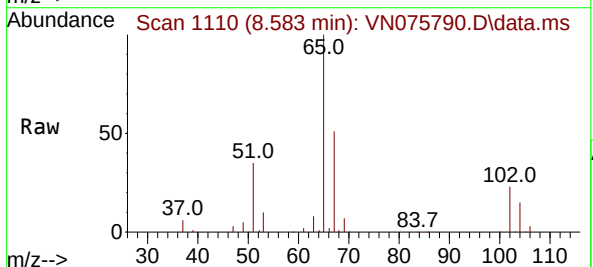
Instrument :
MSVOA_N
ClientSampleId :
FB120922

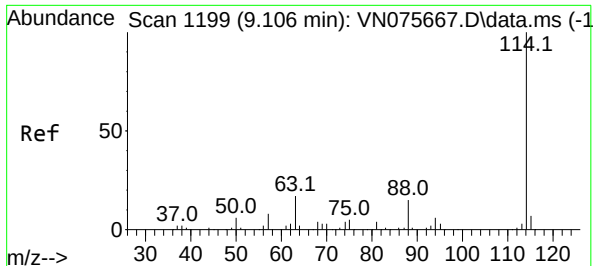
Tgt Ion:168 Resp: 357196
Ion Ratio Lower Upper
168 100
99 56.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 46.974 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075790.D
Acq: 15 Dec 2022 01:16

Tgt Ion: 65 Resp: 182539
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075790.D

Acq: 15 Dec 2022 01:16

Instrument :

MSVOA_N

ClientSampleId :

FB120922

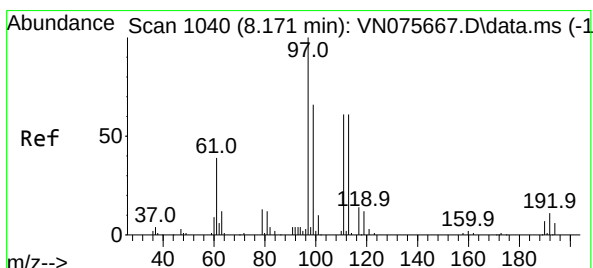
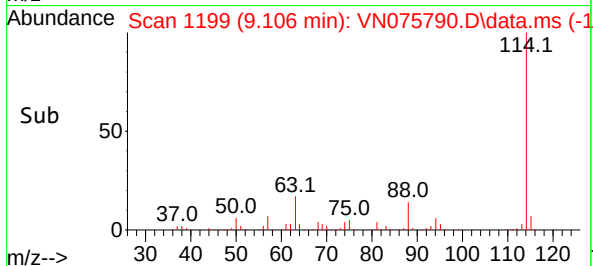
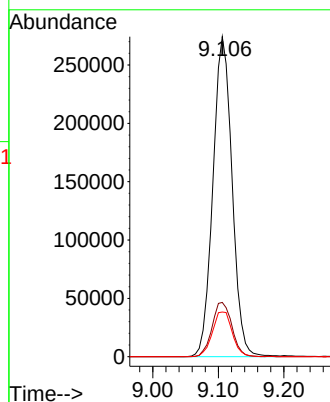
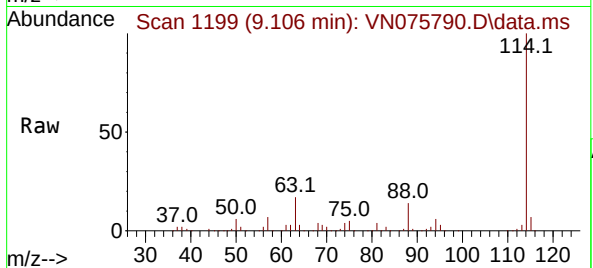
Tgt Ion:114 Resp: 556254

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.4

88 14.0 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.395 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075790.D

Acq: 15 Dec 2022 01:16

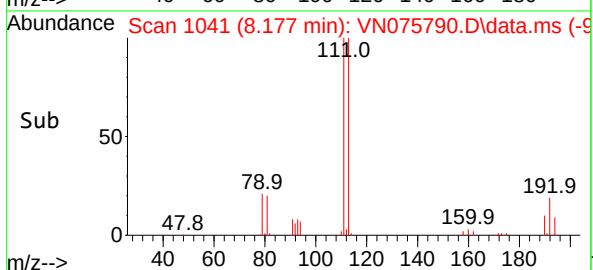
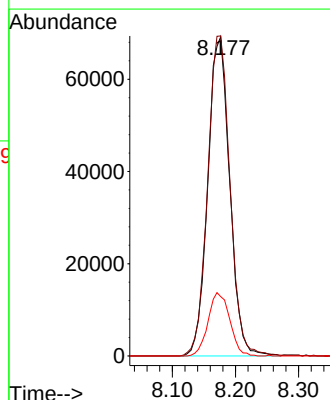
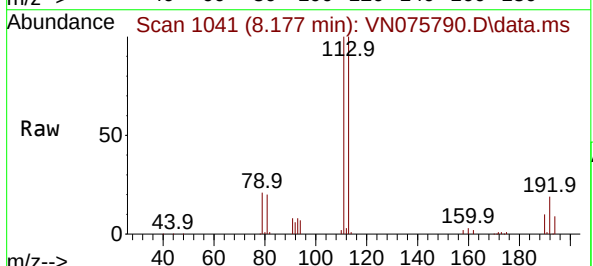
Tgt Ion:113 Resp: 166710

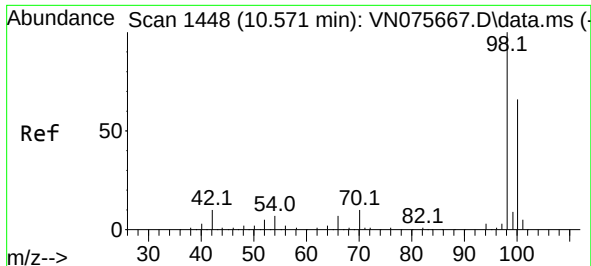
Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.2

192 19.7 16.1 24.1

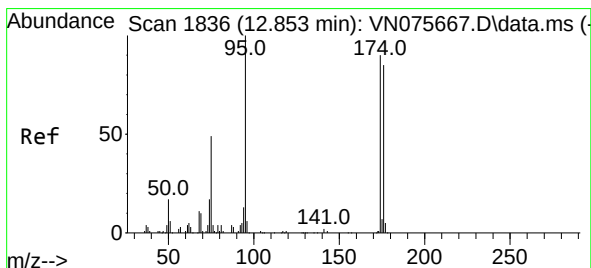
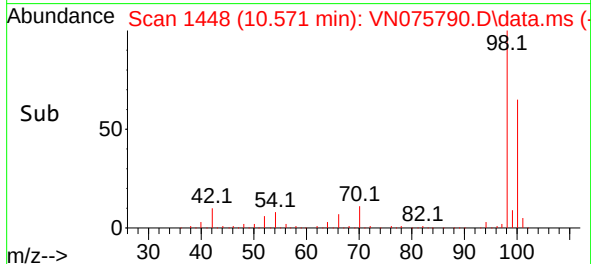
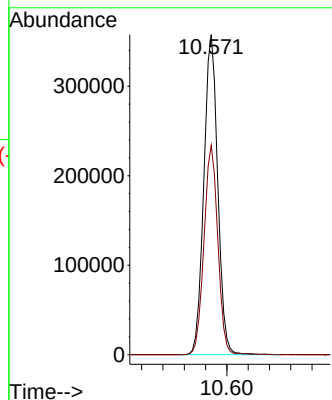
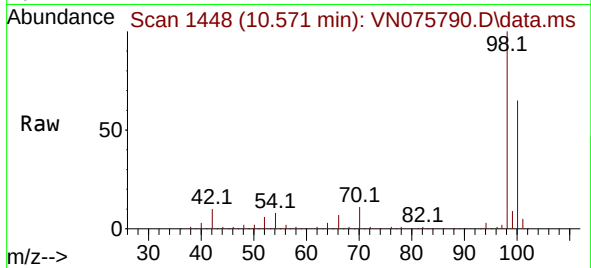




#50
Toluene-d8
Concen: 50.246 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075790.D
Acq: 15 Dec 2022 01:16

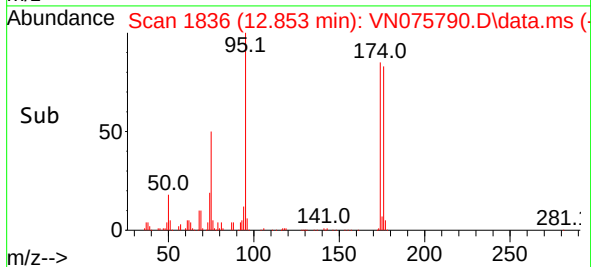
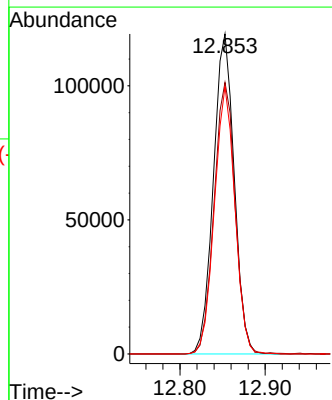
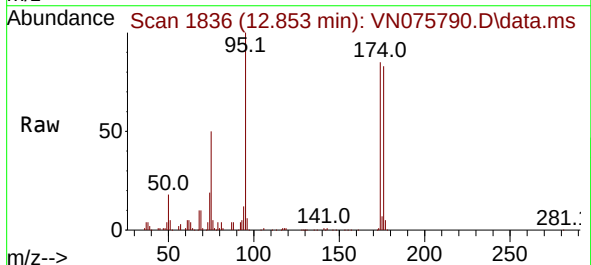
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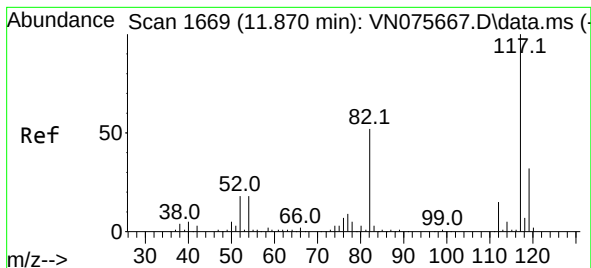
Tgt Ion: 98 Resp: 647156
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.398 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075790.D
Acq: 15 Dec 2022 01:16

Tgt Ion: 95 Resp: 202194
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 82.2 0.0 169.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN075790.D

Acq: 15 Dec 2022 01:16

Instrument :

MSVOA_N

ClientSampleId :

FB120922

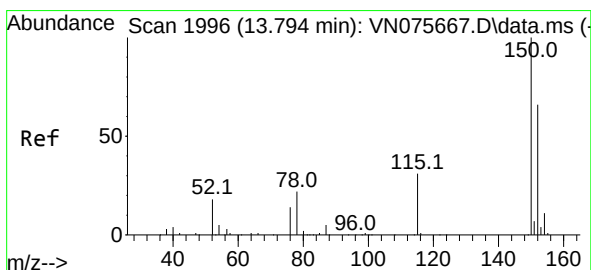
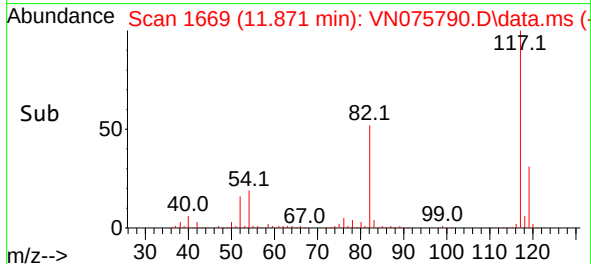
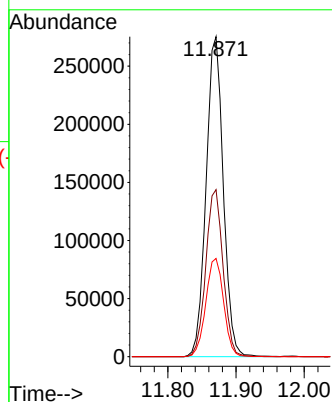
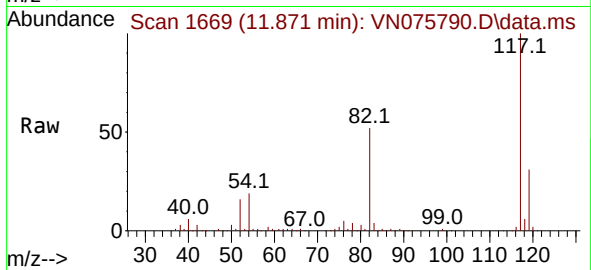
Tgt Ion:117 Resp: 483214

Ion Ratio Lower Upper

117 100

82 52.2 41.3 61.9

119 30.7 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN075790.D

Acq: 15 Dec 2022 01:16

Tgt Ion:152 Resp: 198501

Ion Ratio Lower Upper

152 100

115 57.4 29.1 87.4

150 158.8 0.0 347.0

