

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122022\
 Data File : VN075903.D
 Acq On : 20 Dec 2022 16:59
 Operator : JC\MD
 Sample : N6161-14 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CLI-0669

Quant Time: Dec 21 01:29:13 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	396627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	618146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	533196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	213019	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	202159	46.851	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.700%
35) Dibromofluoromethane	8.177	113	182333	47.630	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.260%
50) Toluene-d8	10.571	98	707304	49.418	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.840%
62) 4-Bromofluorobenzene	12.853	95	220136	46.437	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.880%

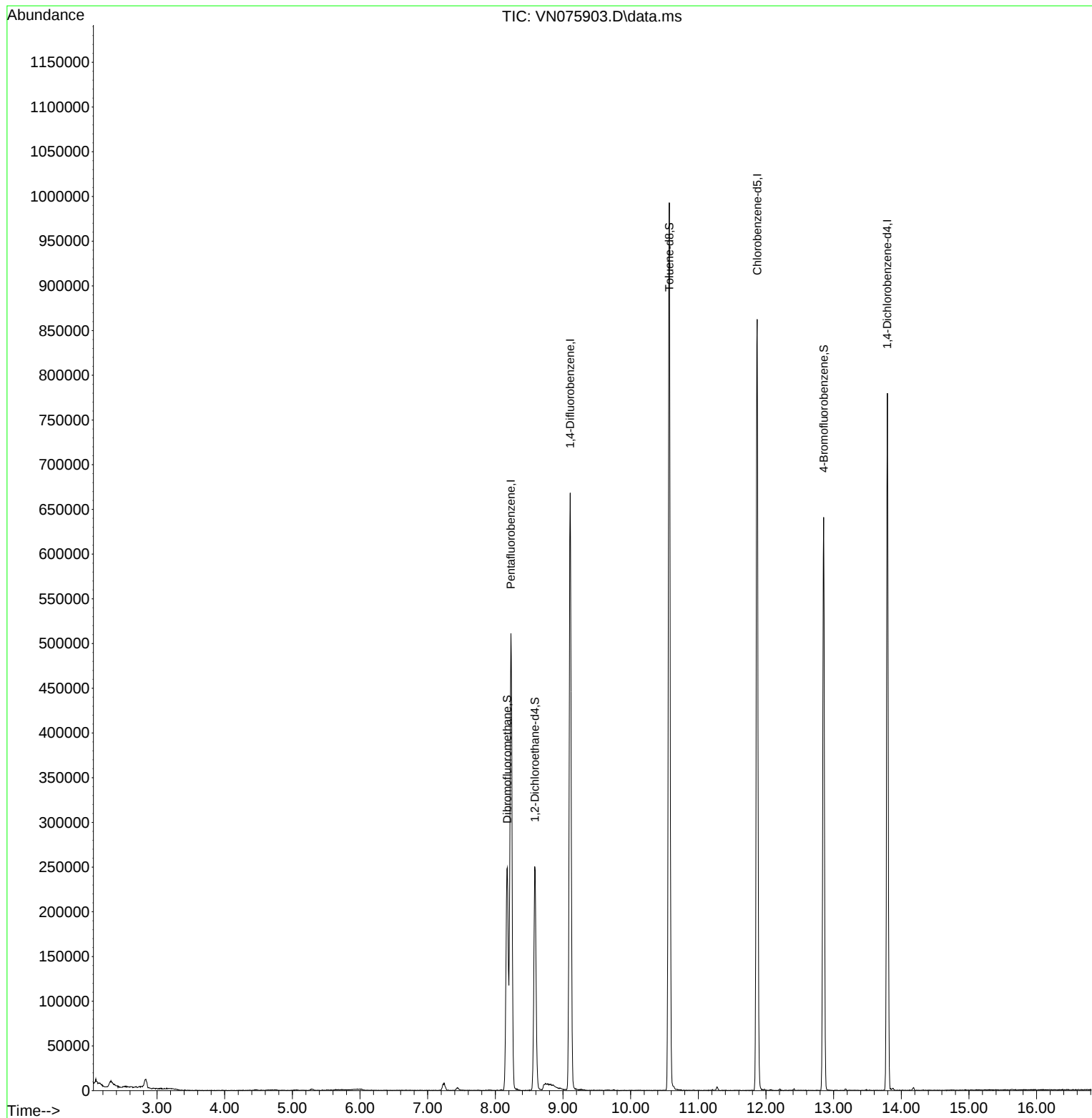
Target Compounds	Qvalue

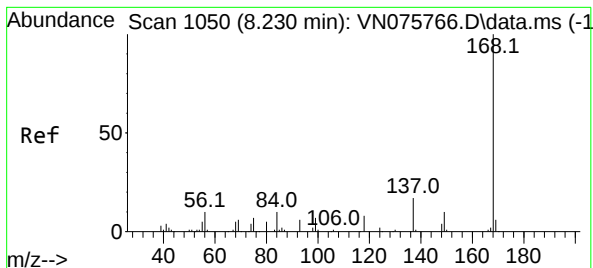
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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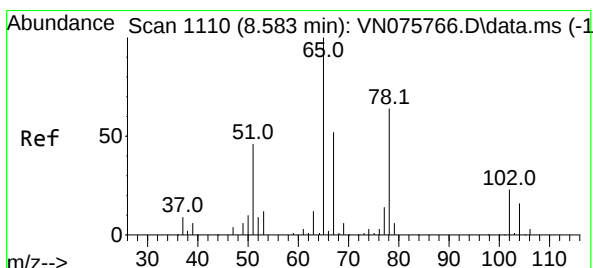
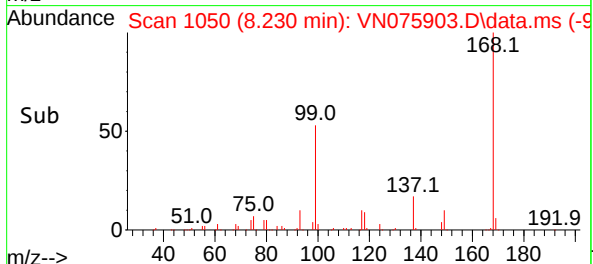
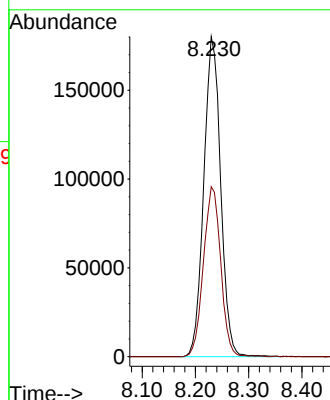
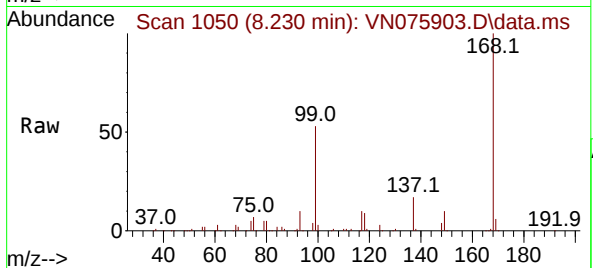




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VN075903.D
Acq: 20 Dec 2022 16:59

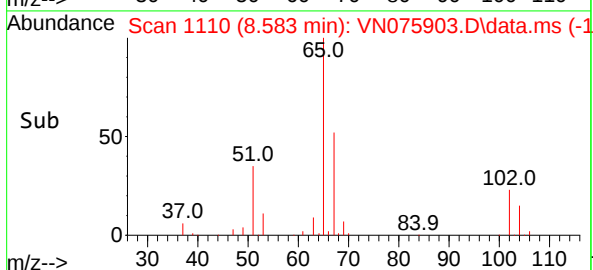
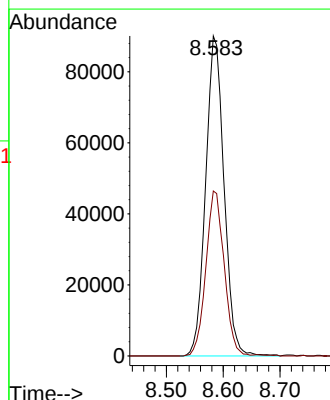
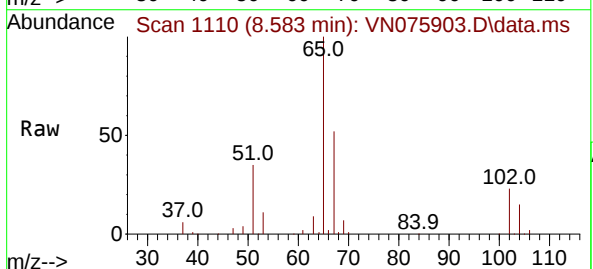
Instrument :
MSVOA_N
ClientSampleId :
CLI-0669

Tgt Ion:168 Resp: 396627
Ion Ratio Lower Upper
168 100
99 53.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 46.851 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075903.D
Acq: 20 Dec 2022 16:59

Tgt Ion: 65 Resp: 202159
Ion Ratio Lower Upper
65 100
67 51.4 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: VN075903.D

Acq: 20 Dec 2022 16:59

Instrument :

MSVOA_N

ClientSampleId :

CLI-0669

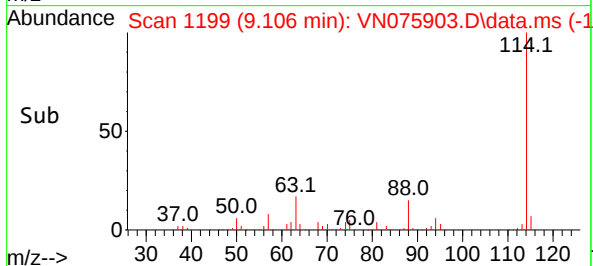
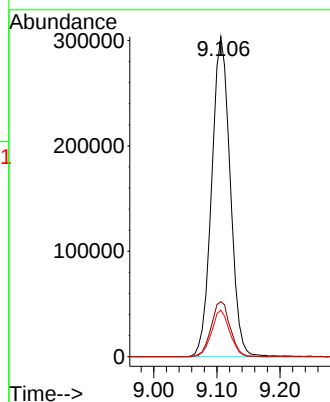
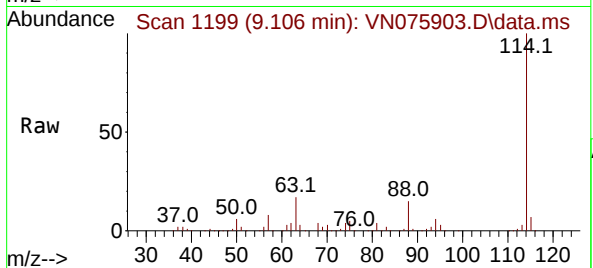
Tgt Ion:114 Resp: 618146

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

88 14.6 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.630 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075903.D

Acq: 20 Dec 2022 16:59

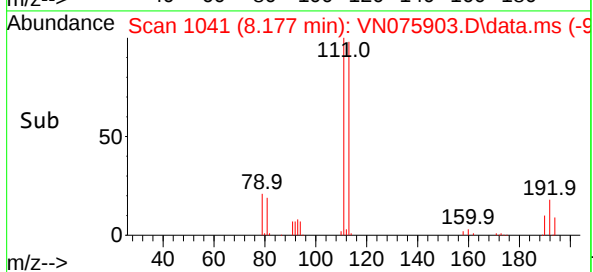
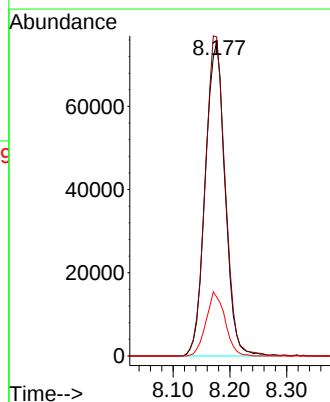
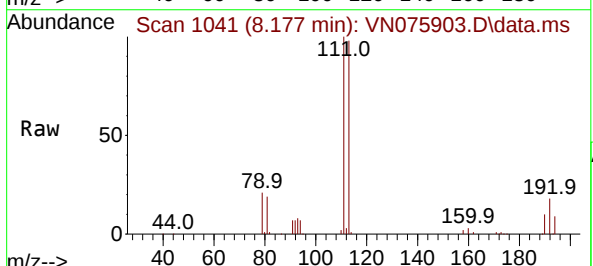
Tgt Ion:113 Resp: 182333

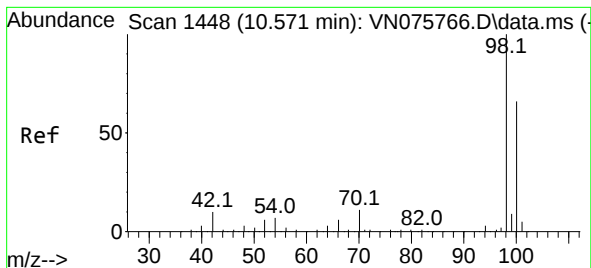
Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.2

192 19.6 16.1 24.1

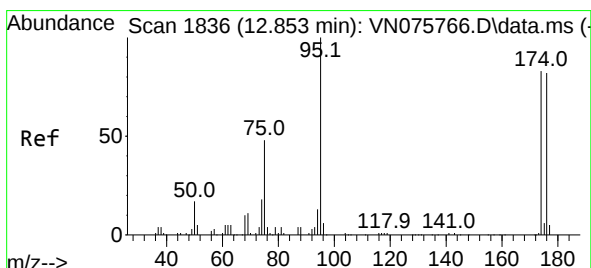
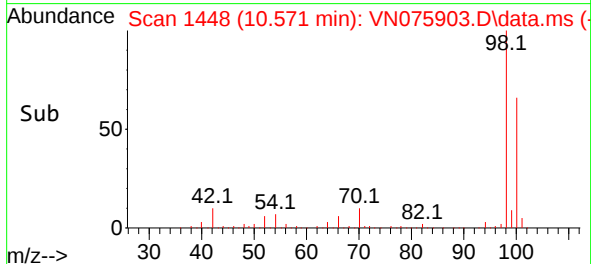
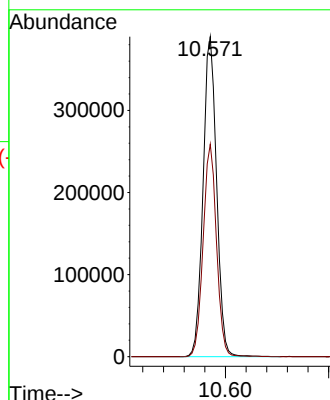
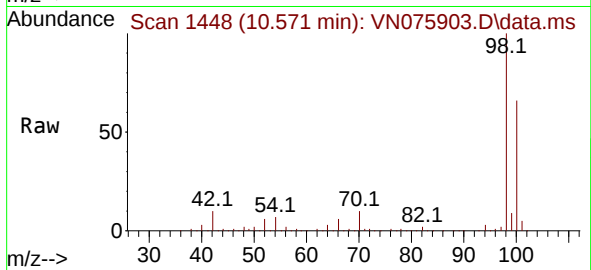




#50
Toluene-d8
Concen: 49.418 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075903.D
Acq: 20 Dec 2022 16:59

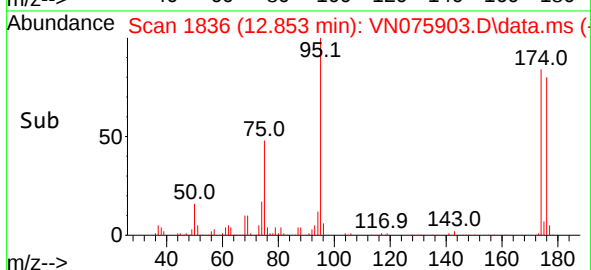
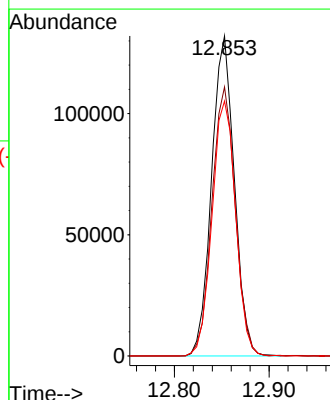
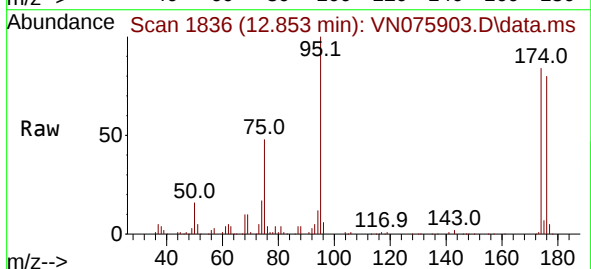
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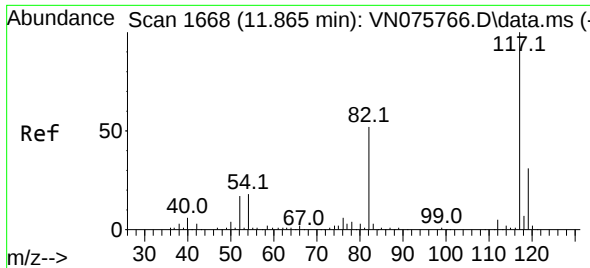
Tgt Ion: 98 Resp: 707304
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.437 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075903.D
Acq: 20 Dec 2022 16:59

Tgt Ion: 95 Resp: 220136
Ion Ratio Lower Upper
95 100
174 86.4 0.0 171.6
176 82.8 0.0 169.2

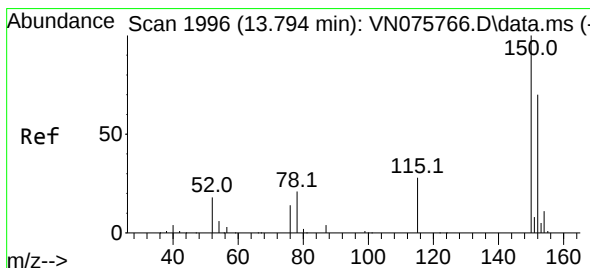
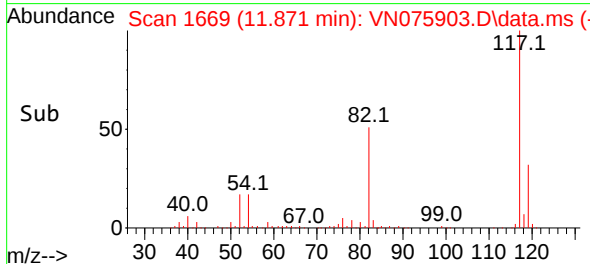
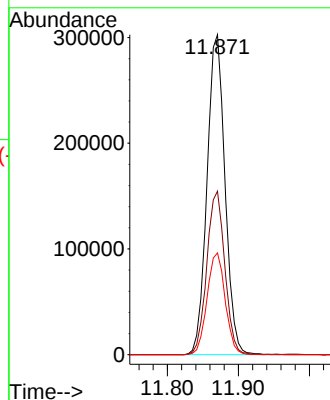
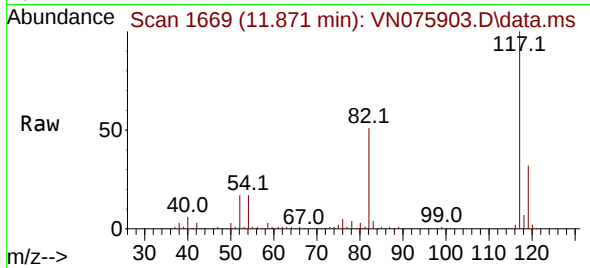




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075903.D
Acq: 20 Dec 2022 16:59

Instrument :
MSVOA_N
ClientSampleId :
CLI-0669

Tgt Ion:117 Resp: 533196
Ion Ratio Lower Upper
117 100
82 51.1 41.3 61.9
119 31.8 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: VN075903.D
Acq: 20 Dec 2022 16:59

Tgt Ion:152 Resp: 213019
Ion Ratio Lower Upper
152 100
115 58.8 29.1 87.4
150 160.9 0.0 347.0

