

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102423\
 Data File : VN079668.D
 Acq On : 24 Oct 2023 19:37
 Operator : JC\MD
 Sample : 05029-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 231010082-41

Quant Time: Oct 25 02:09:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	251243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	491202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	483640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	155751	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	213249	52.348	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.700%
35) Dibromofluoromethane	8.177	113	190599	53.995	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.980%
50) Toluene-d8	10.571	98	576328	45.123	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.240%
62) 4-Bromofluorobenzene	12.853	95	200587	48.936	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.880%

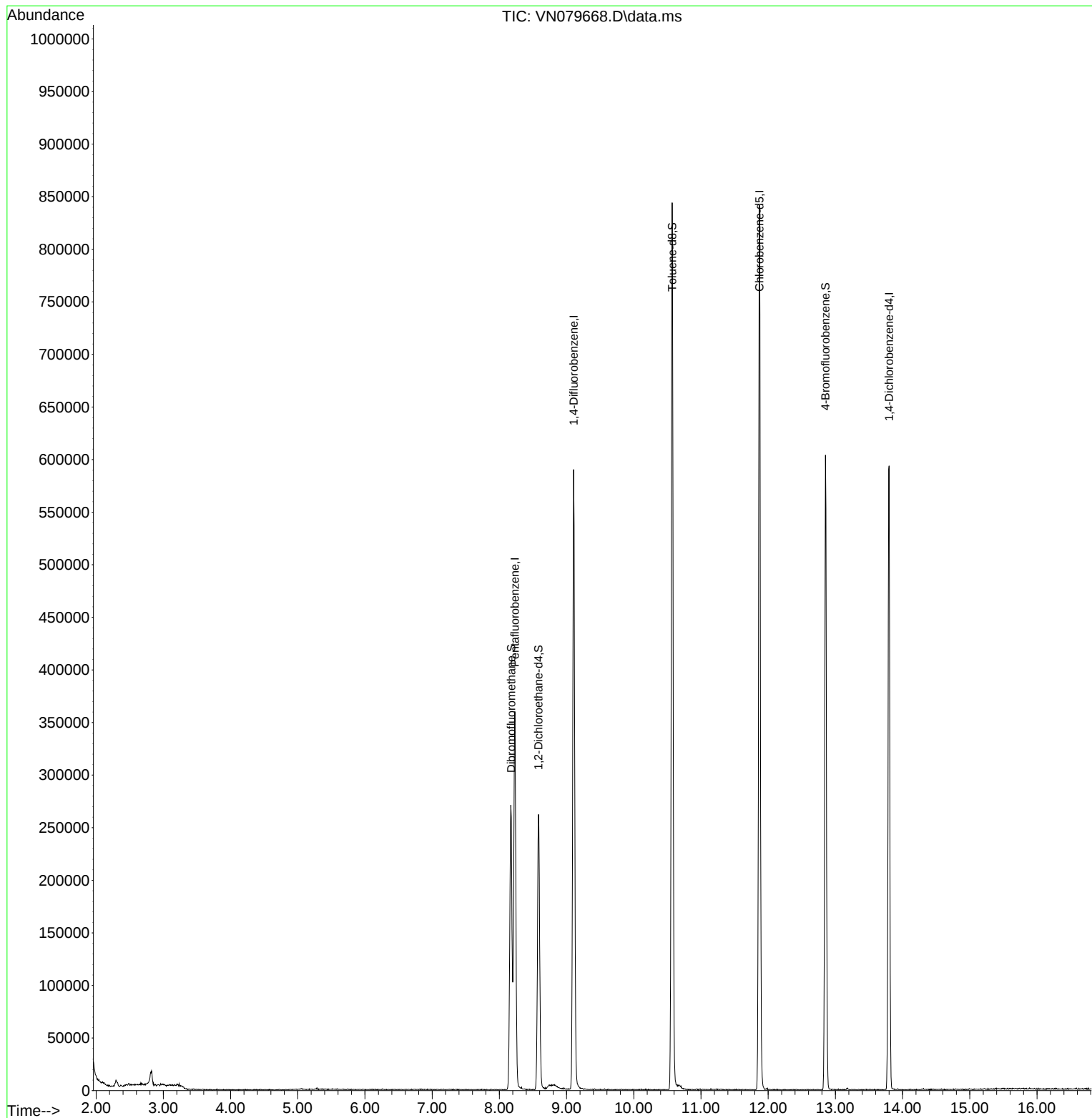
Target Compounds	Qvalue

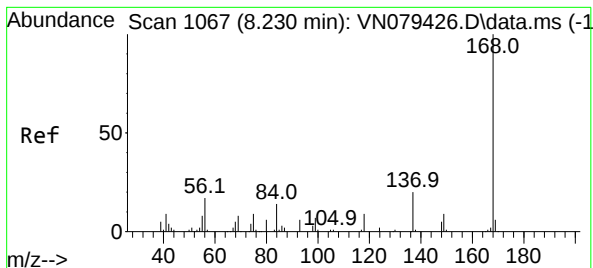
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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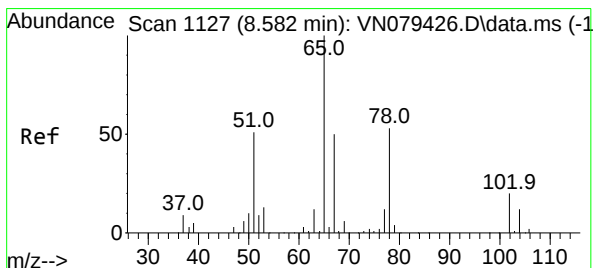
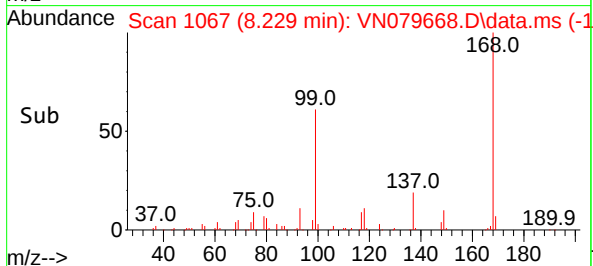
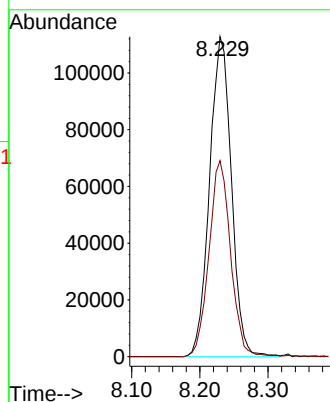
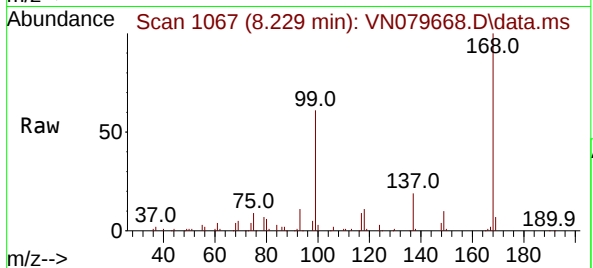




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

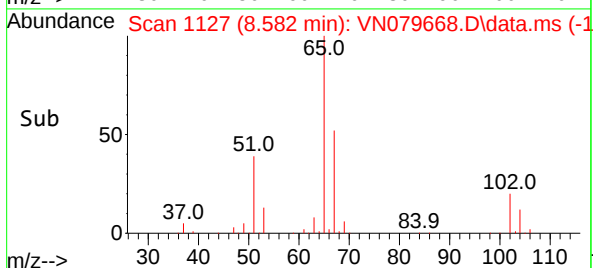
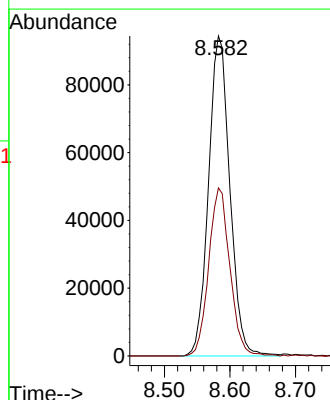
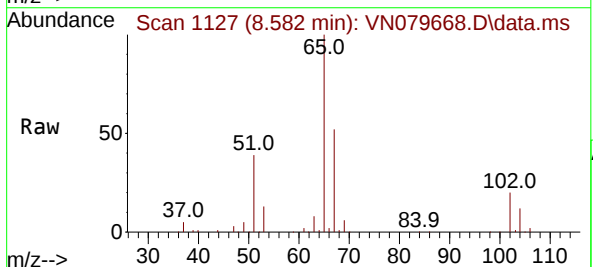
Instrument :
MSVOA_N
ClientSampleId :
231010082-41

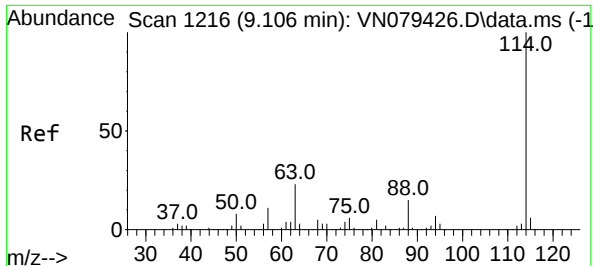
Tgt Ion:168 Resp: 251243
Ion Ratio Lower Upper
168 100
99 61.3 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 52.348 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

Tgt Ion: 65 Resp: 213249
Ion Ratio Lower Upper
65 100
67 52.1 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: VN079668.D

Acq: 24 Oct 2023 19:37

Instrument :

MSVOA_N

ClientSampleId :

231010082-41

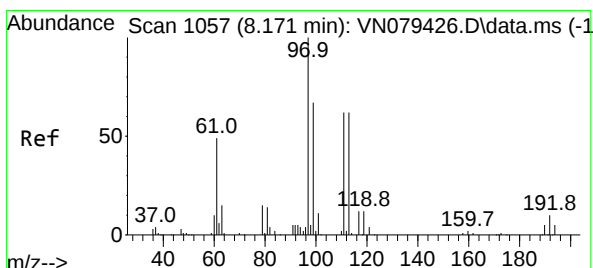
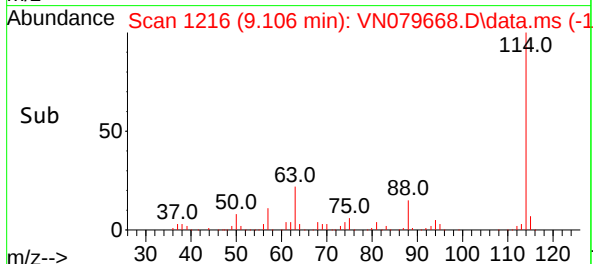
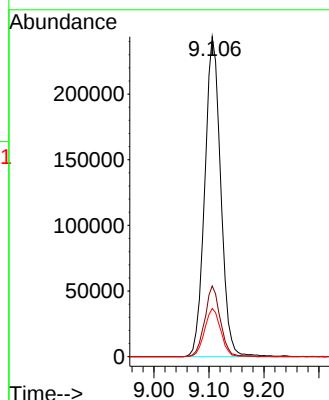
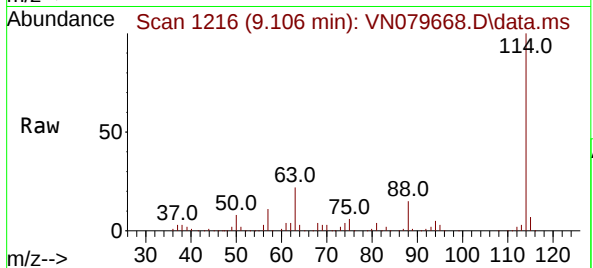
Tgt Ion:114 Resp: 491202

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.995 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN079668.D

Acq: 24 Oct 2023 19:37

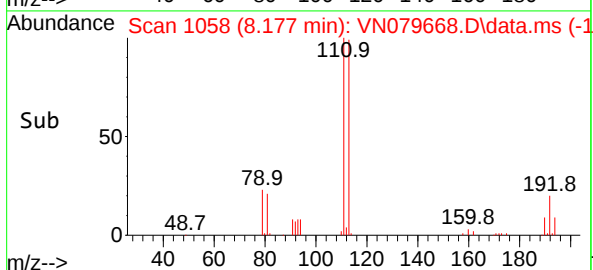
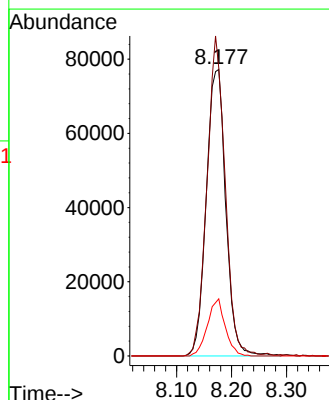
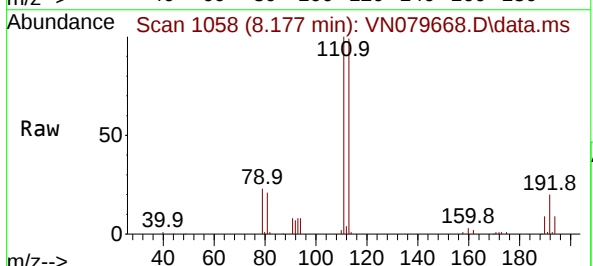
Tgt Ion:113 Resp: 190599

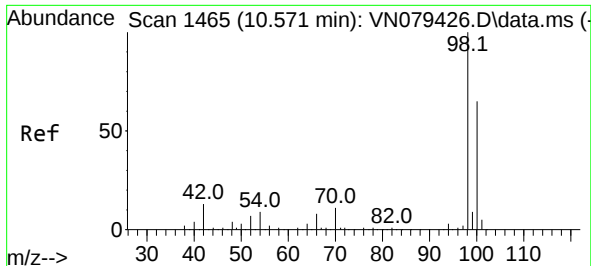
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.2 12.7 19.1

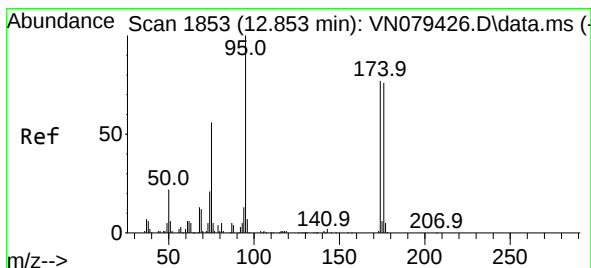
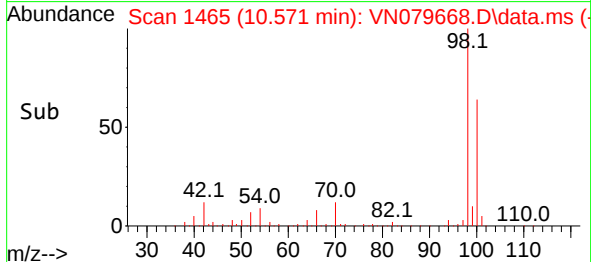
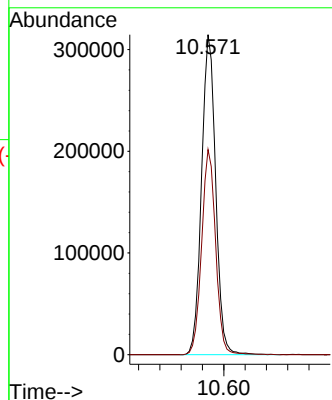
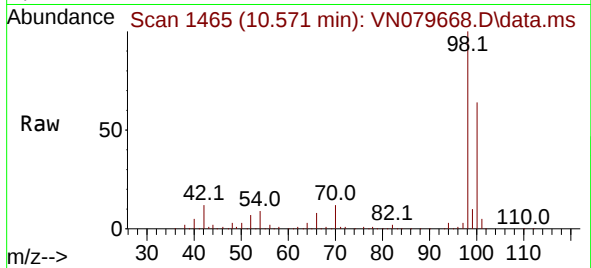




#50
Toluene-d8
Concen: 45.123 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

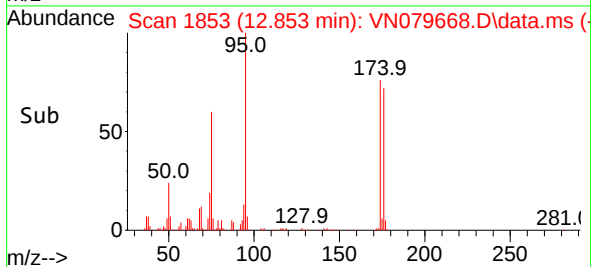
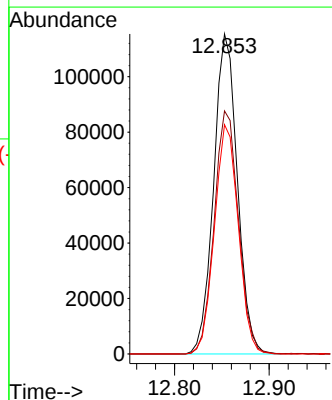
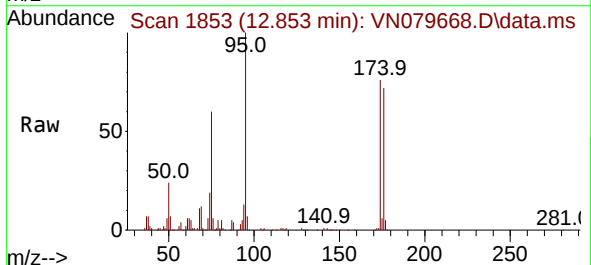
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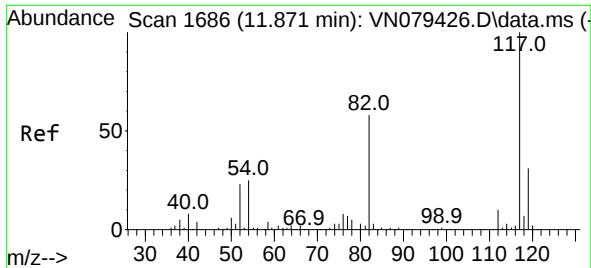
Tgt Ion: 98 Resp: 576328
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 48.936 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

Tgt Ion: 95 Resp: 200587
Ion Ratio Lower Upper
95 100
174 78.0 0.0 143.8
176 72.2 0.0 135.8

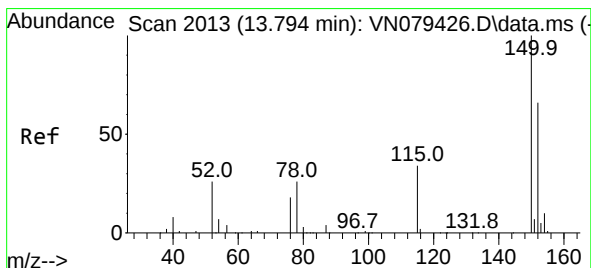
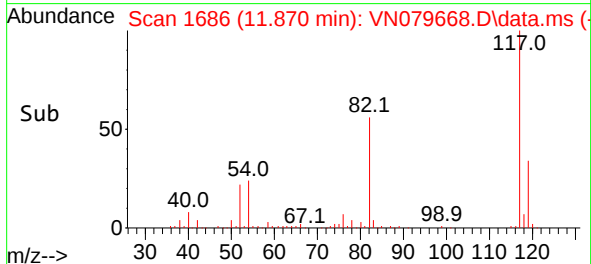
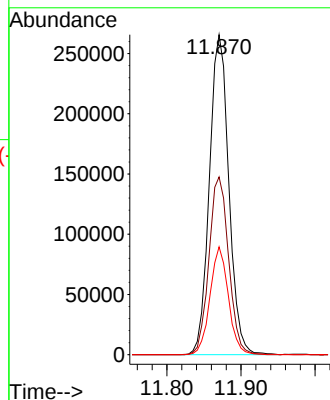
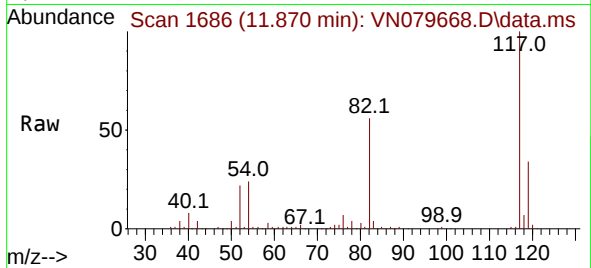




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

Instrument :
MSVOA_N
ClientSampleId :
231010082-41

Tgt Ion:117 Resp: 483640
Ion Ratio Lower Upper
117 100
82 55.5 44.0 66.0
119 33.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

Tgt Ion:152 Resp: 155751
Ion Ratio Lower Upper
152 100
115 62.2 32.3 96.8
150 159.2 0.0 355.8

