

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077718.D
 Acq On : 17 May 2023 16:55
 Operator : JC\MD
 Sample : 02831-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-4

Quant Time: May 18 01:40:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	349491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	643127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	564201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	224397	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	248429	47.507	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.020%
35) Dibromofluoromethane	8.177	113	204291	48.713	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.420%
50) Toluene-d8	10.571	98	794244	49.203	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.400%
62) 4-Bromofluorobenzene	12.859	95	259208	45.467	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.940%

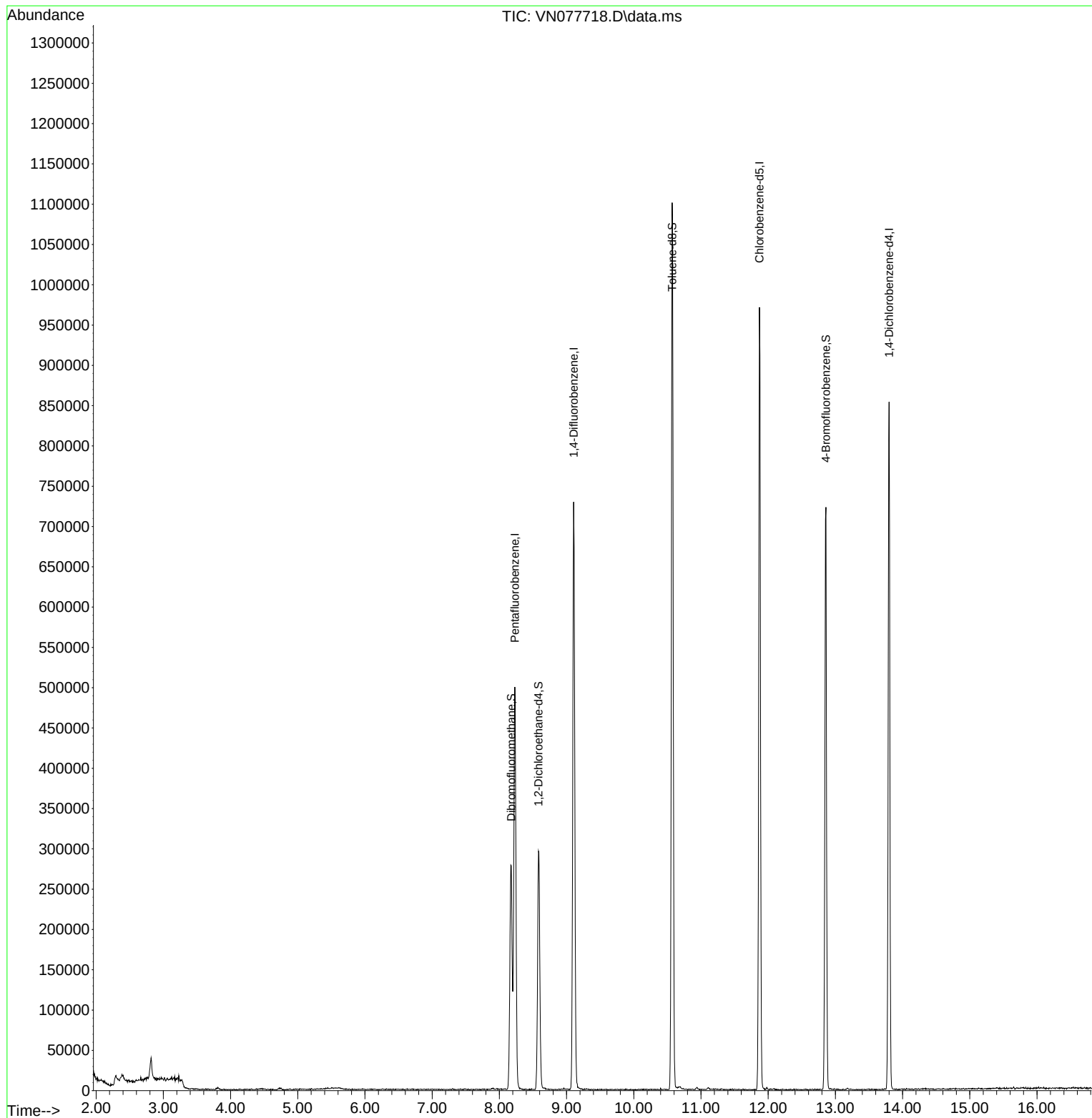
Target Compounds	Qvalue

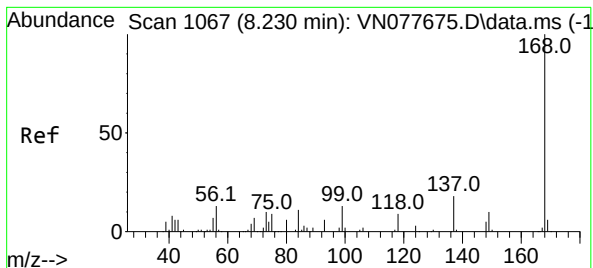
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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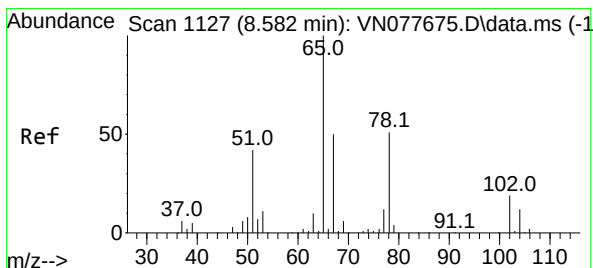
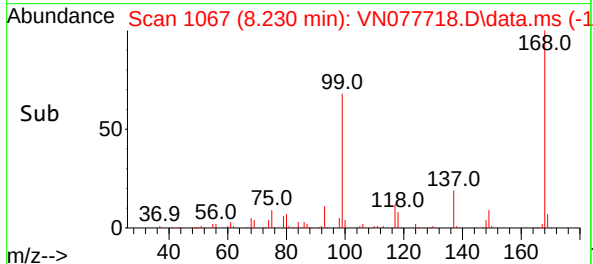
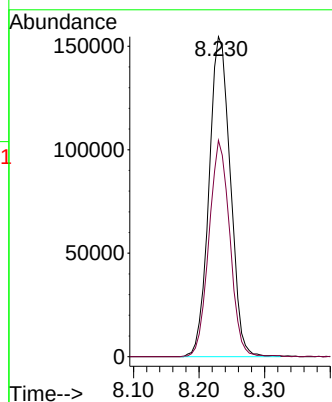
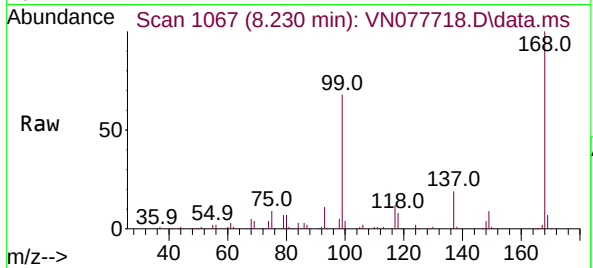




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077718.D
Acq: 17 May 2023 16:55

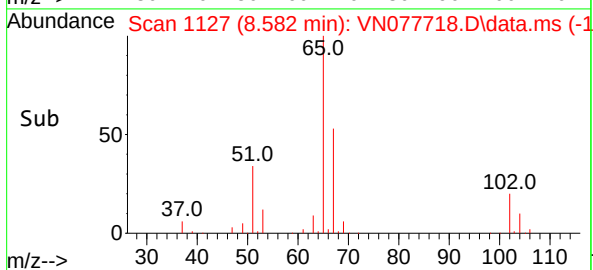
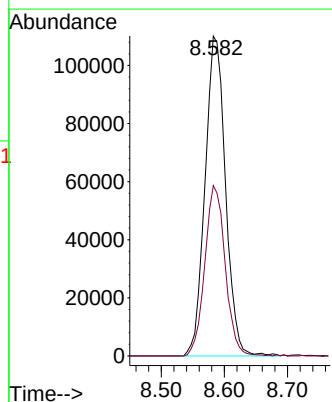
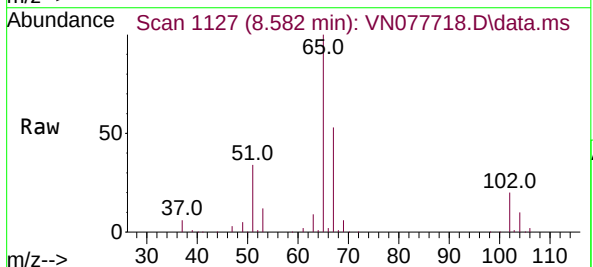
Instrument :
MSVOA_N
ClientSampleId :
MP-4

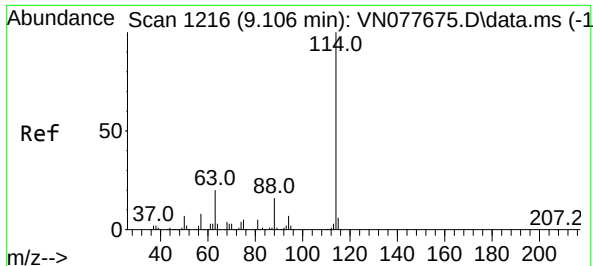
Tgt Ion:168 Resp: 349491
Ion Ratio Lower Upper
168 100
99 67.6 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 47.507 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN077718.D
Acq: 17 May 2023 16:55

Tgt Ion: 65 Resp: 248429
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6

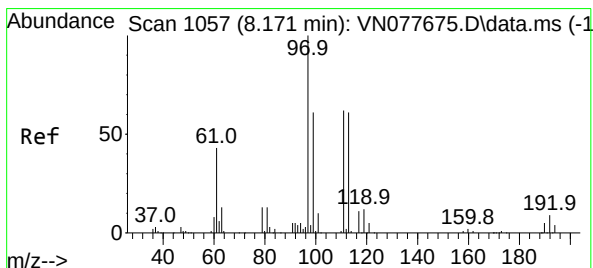
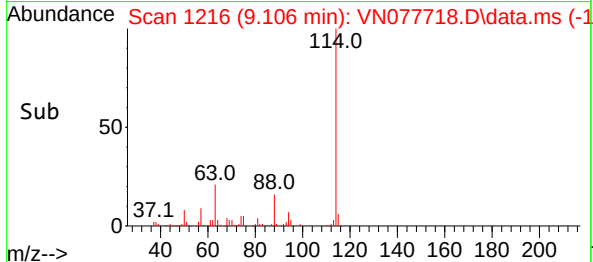
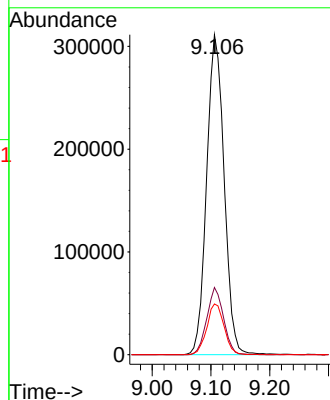
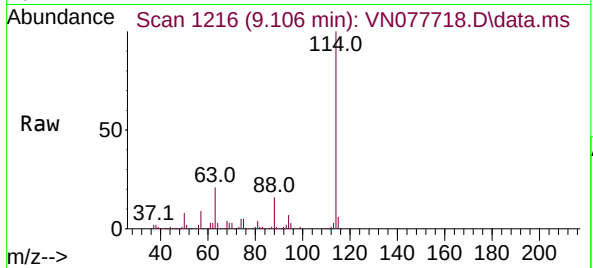




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077718.D
Acq: 17 May 2023 16:55

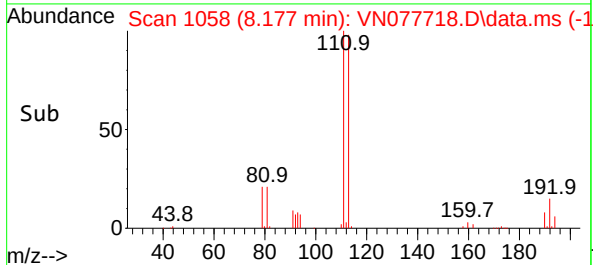
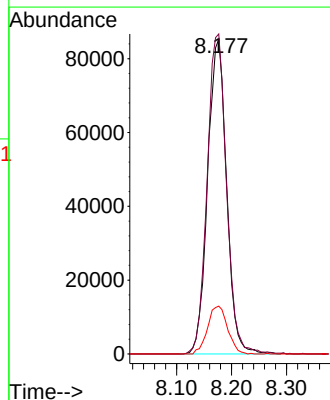
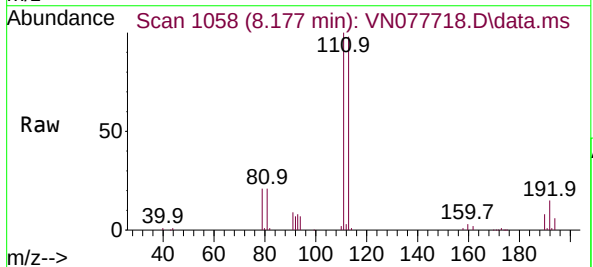
Instrument :
MSVOA_N
ClientSampleId :
MP-4

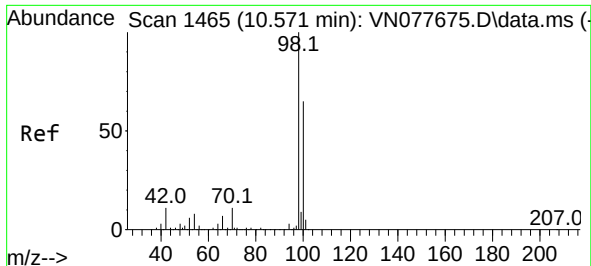
Tgt Ion:114 Resp: 643127
Ion Ratio Lower Upper
114 100
63 21.0 0.0 36.4
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.713 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077718.D
Acq: 17 May 2023 16:55

Tgt Ion:113 Resp: 204291
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 16.0 12.7 19.1

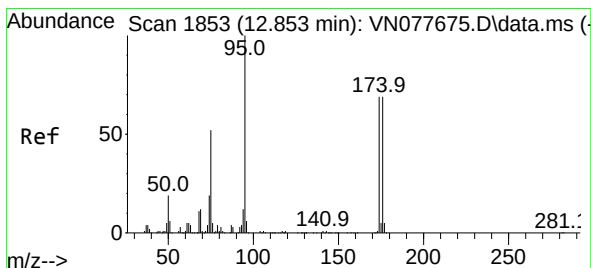
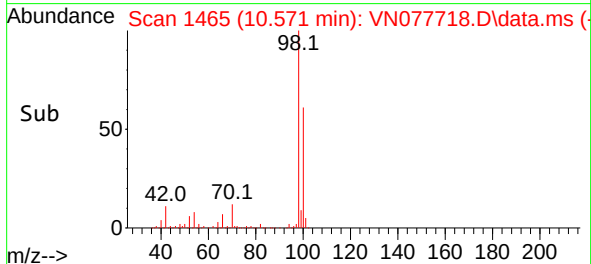
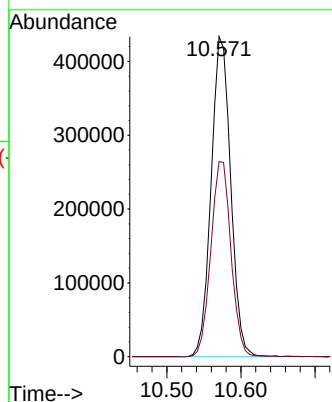
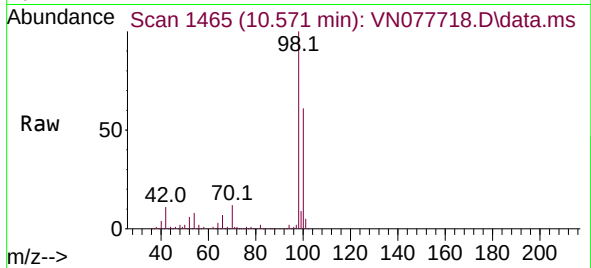




#50
Toluene-d8
Concen: 49.203 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077718.D
Acq: 17 May 2023 16:55

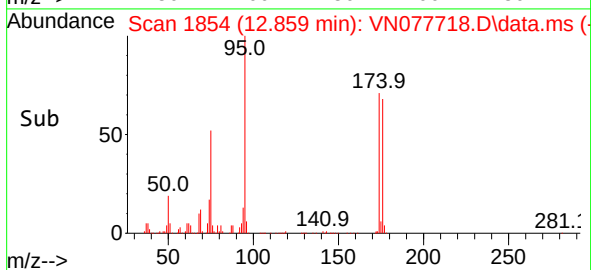
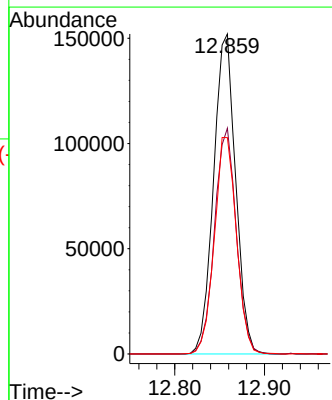
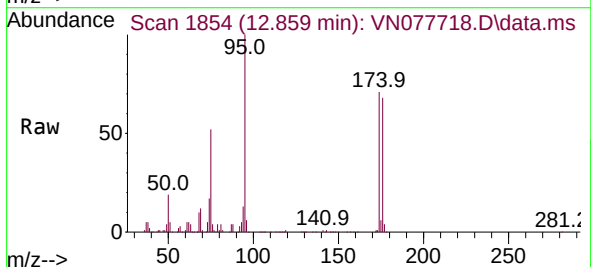
Instrument :
MSVOA_N
ClientSampleId :
MP-4

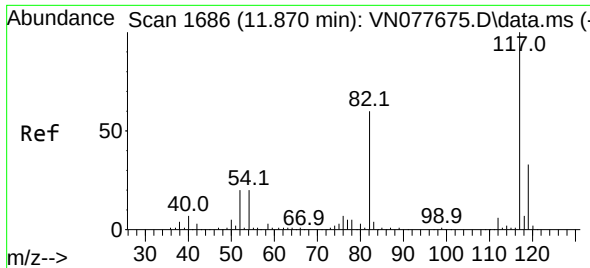
Tgt Ion: 98 Resp: 794244
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.467 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077718.D
Acq: 17 May 2023 16:55

Tgt Ion: 95 Resp: 259208
Ion Ratio Lower Upper
95 100
174 69.7 0.0 143.8
176 67.9 0.0 135.8

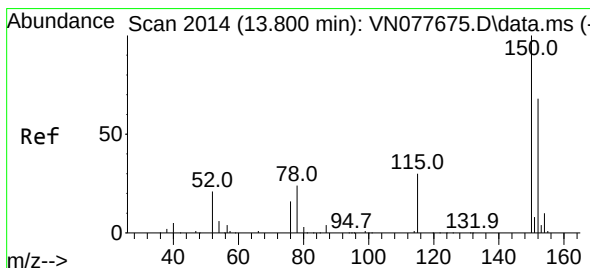
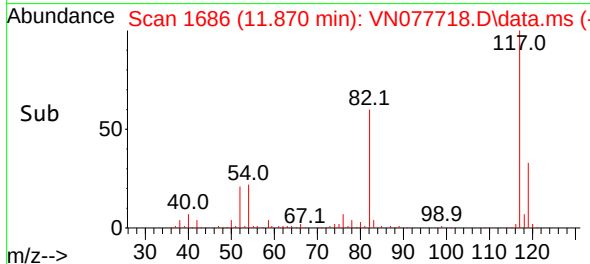
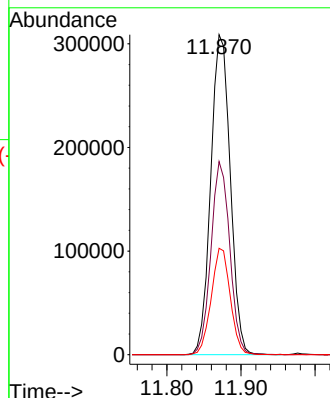
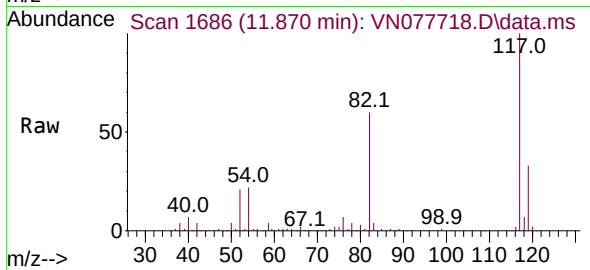




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077718.D
Acq: 17 May 2023 16:55

Instrument :
MSVOA_N
ClientSampleId :
MP-4

Tgt Ion:117 Resp: 564201
Ion Ratio Lower Upper
117 100
82 60.4 44.0 66.0
119 33.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077718.D
Acq: 17 May 2023 16:55

Tgt Ion:152 Resp: 224397
Ion Ratio Lower Upper
152 100
115 64.3 32.3 96.8
150 159.9 0.0 355.8

