

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077819.D
 Acq On : 23 May 2023 16:18
 Operator : JC\MD
 Sample : 02840-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GROUND-WATER

Quant Time: May 23 16:35:34 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	377778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	677887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	595861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	201220	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	249899	44.210	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.420%
35) Dibromofluoromethane	8.177	113	220241	49.823	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.640%
50) Toluene-d8	10.571	98	830038	48.784	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.560%
62) 4-Bromofluorobenzene	12.859	95	268117	44.618	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.240%

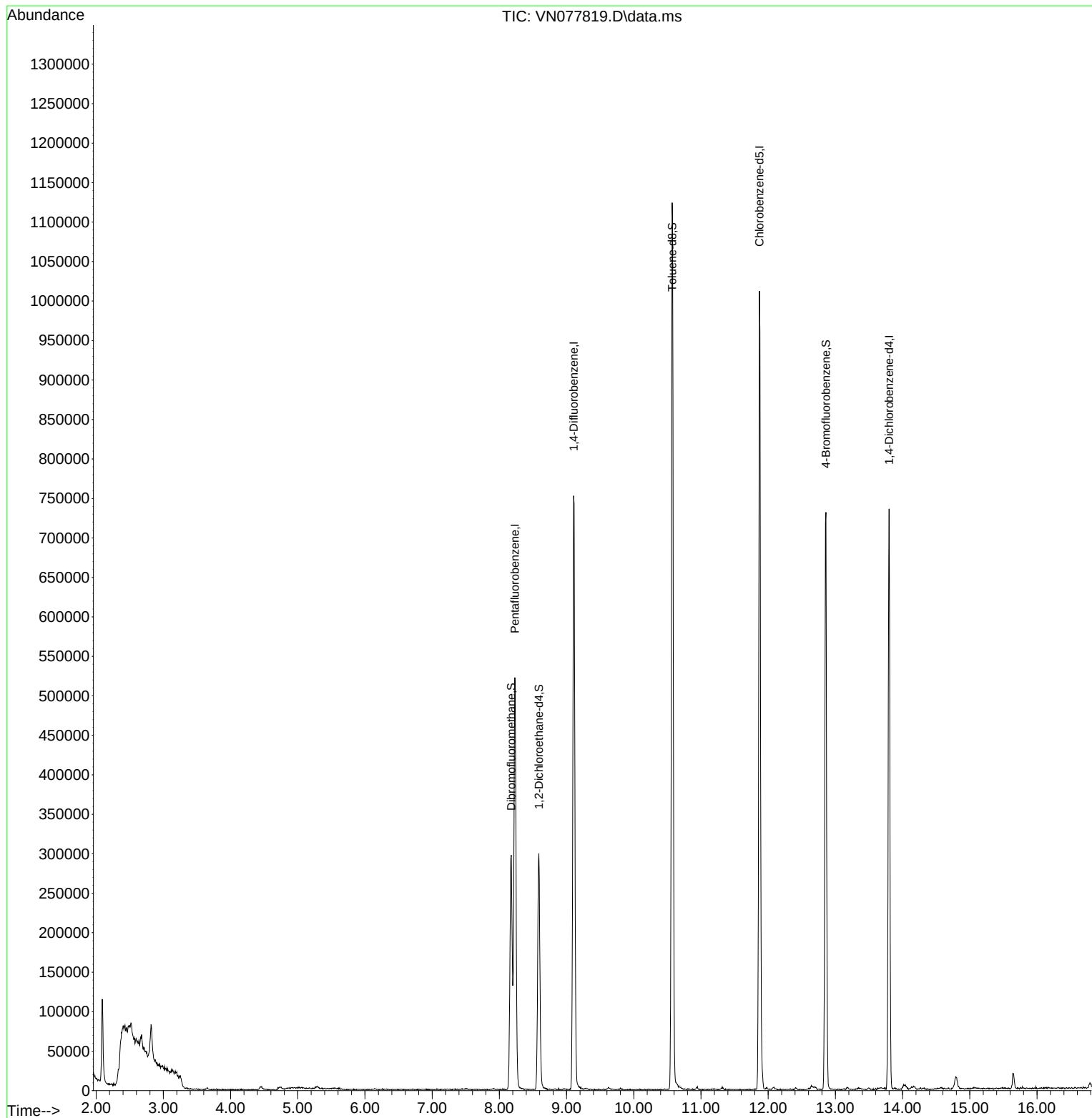
Target Compounds	Qvalue

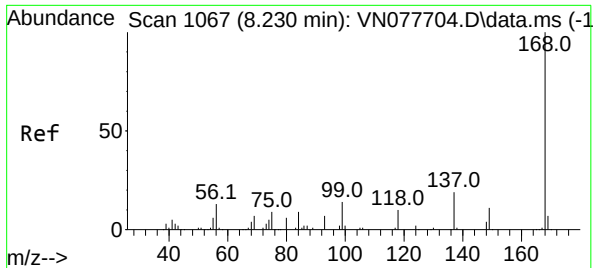
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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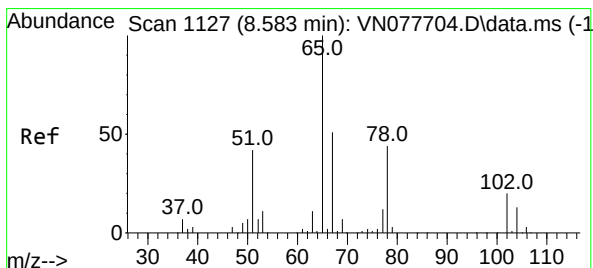
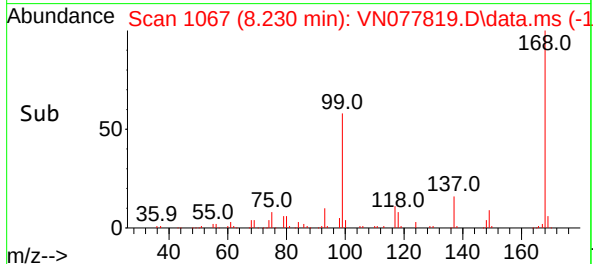
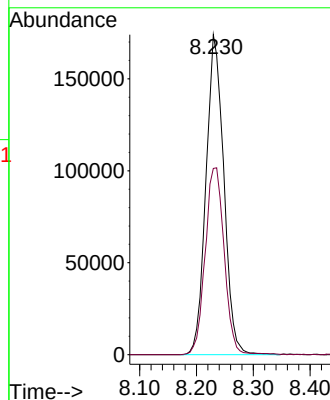
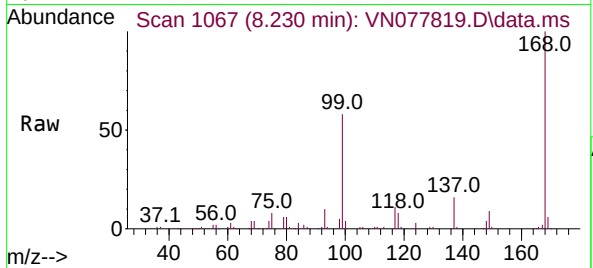




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077819.D
Acq: 23 May 2023 16:18

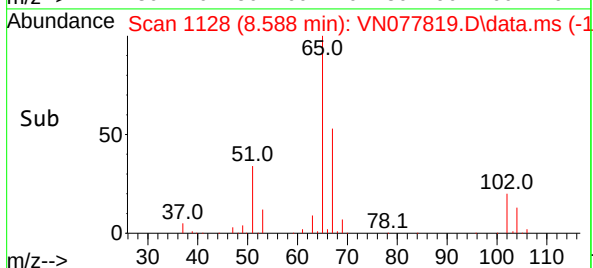
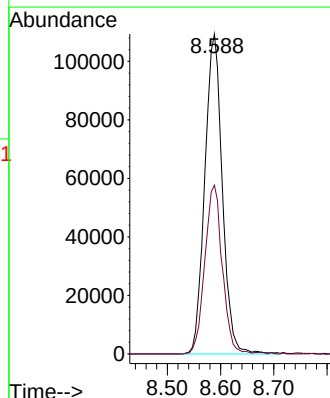
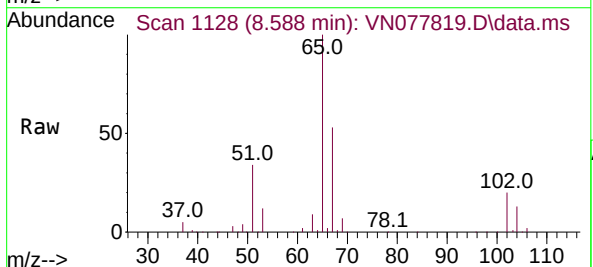
Instrument :
MSVOA_N
ClientSampleId :
GROUND-WATER

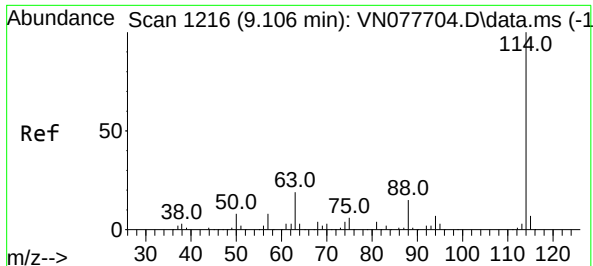
Tgt Ion:168 Resp: 377778
Ion Ratio Lower Upper
168 100
99 58.2 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 44.210 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077819.D
Acq: 23 May 2023 16:18

Tgt Ion: 65 Resp: 249899
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077819.D

Acq: 23 May 2023 16:18

Instrument :

MSVOA_N

ClientSampleId :

GROUND-WATER

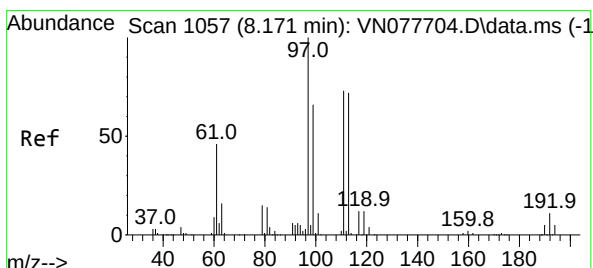
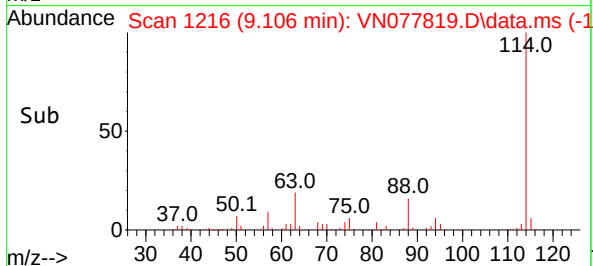
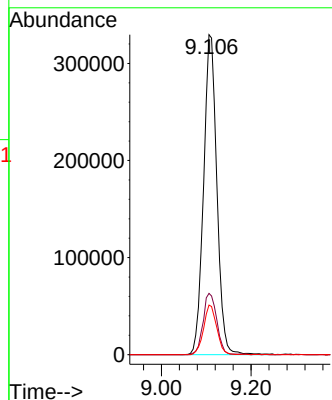
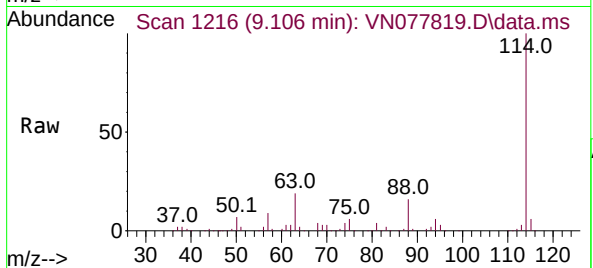
Tgt Ion:114 Resp: 677887

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.823 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077819.D

Acq: 23 May 2023 16:18

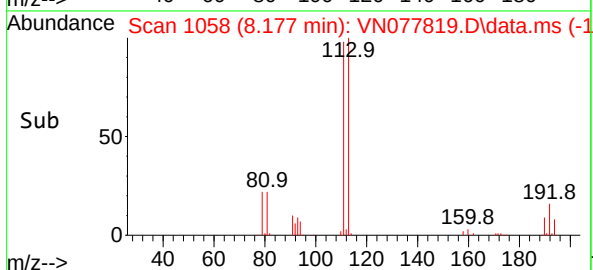
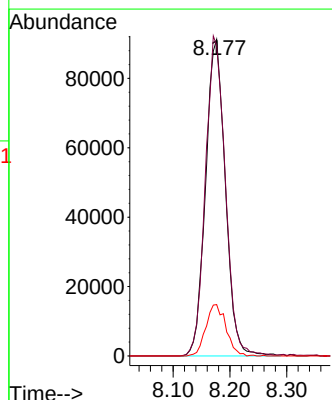
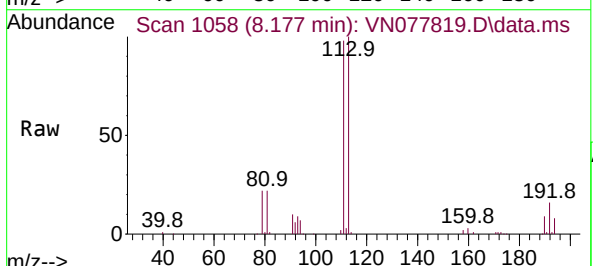
Tgt Ion:113 Resp: 220241

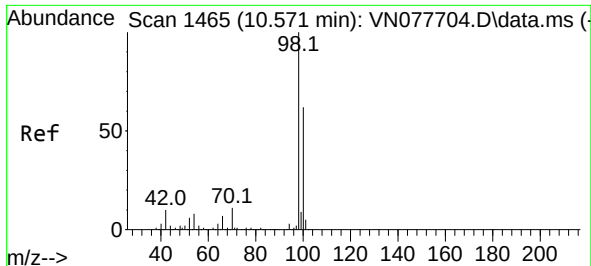
Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

192 16.6 12.7 19.1

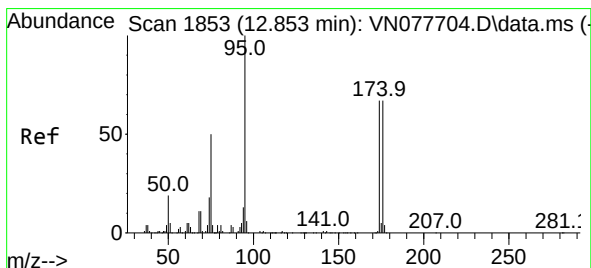
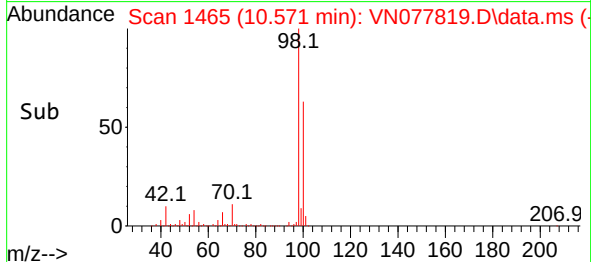
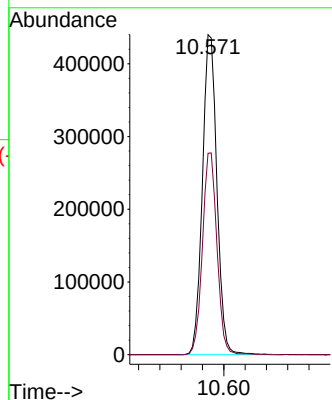
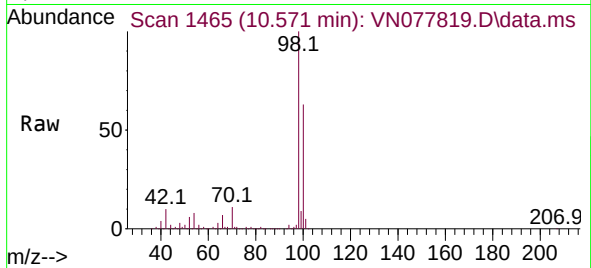




#50
Toluene-d8
Concen: 48.784 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077819.D
Acq: 23 May 2023 16:18

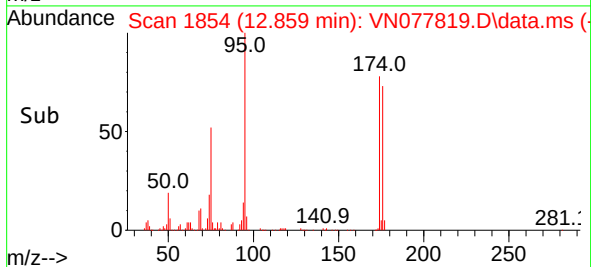
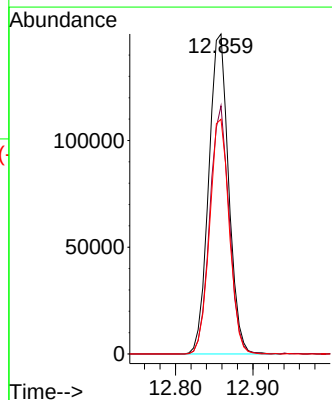
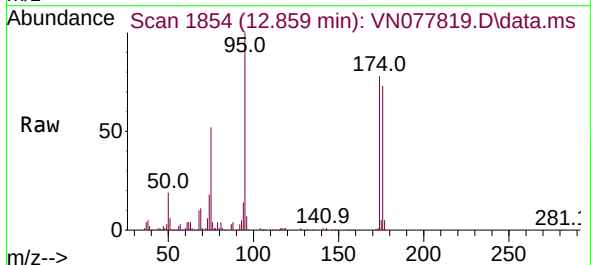
Instrument :
MSVOA_N
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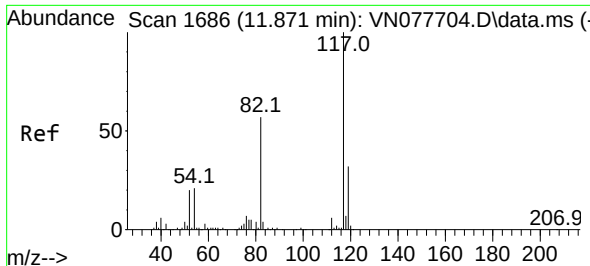
Tgt Ion: 98 Resp: 830038
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.618 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077819.D
Acq: 23 May 2023 16:18

Tgt Ion: 95 Resp: 268117
Ion Ratio Lower Upper
95 100
174 75.0 0.0 143.8
176 72.3 0.0 135.8

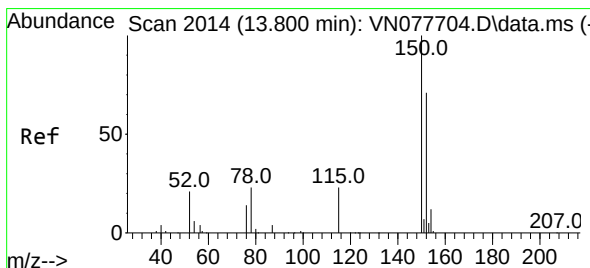
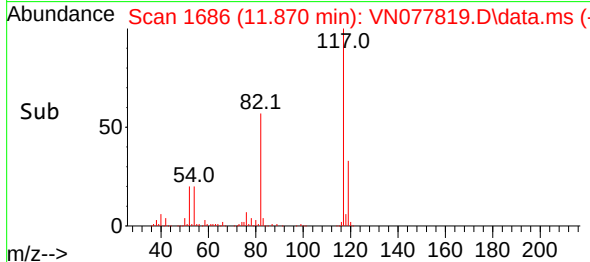
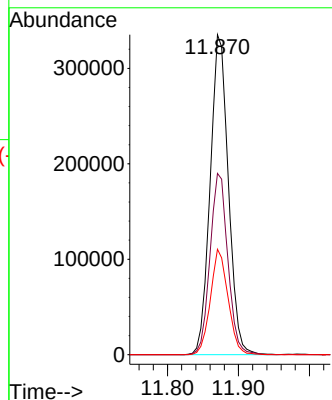
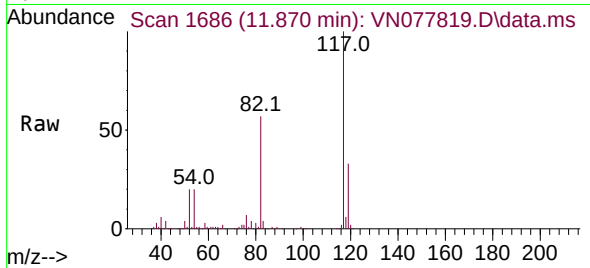




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN077819.D
Acq: 23 May 2023 16:18

Instrument :
MSVOA_N
ClientSampleId :
GROUND-WATER

Tgt Ion:117 Resp: 595861
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 33.0 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: VN077819.D
Acq: 23 May 2023 16:18

Tgt Ion:152 Resp: 201220
Ion Ratio Lower Upper
152 100
115 60.7 32.3 96.8
150 156.1 0.0 355.8

