

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112723\
 Data File : VN080276.D
 Acq On : 27 Nov 2023 15:36
 Operator : JC\MD
 Sample : 05546-02 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1146

Quant Time: Nov 28 02:09:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	170155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	308763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	329506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	148111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	153112	54.497	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.000%	
35) Dibromofluoromethane	8.165	113	121543	53.349	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.700%	
50) Toluene-d8	10.571	98	416318	50.692	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.380%	
62) 4-Bromofluorobenzene	12.853	95	162329	52.329	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.660%	

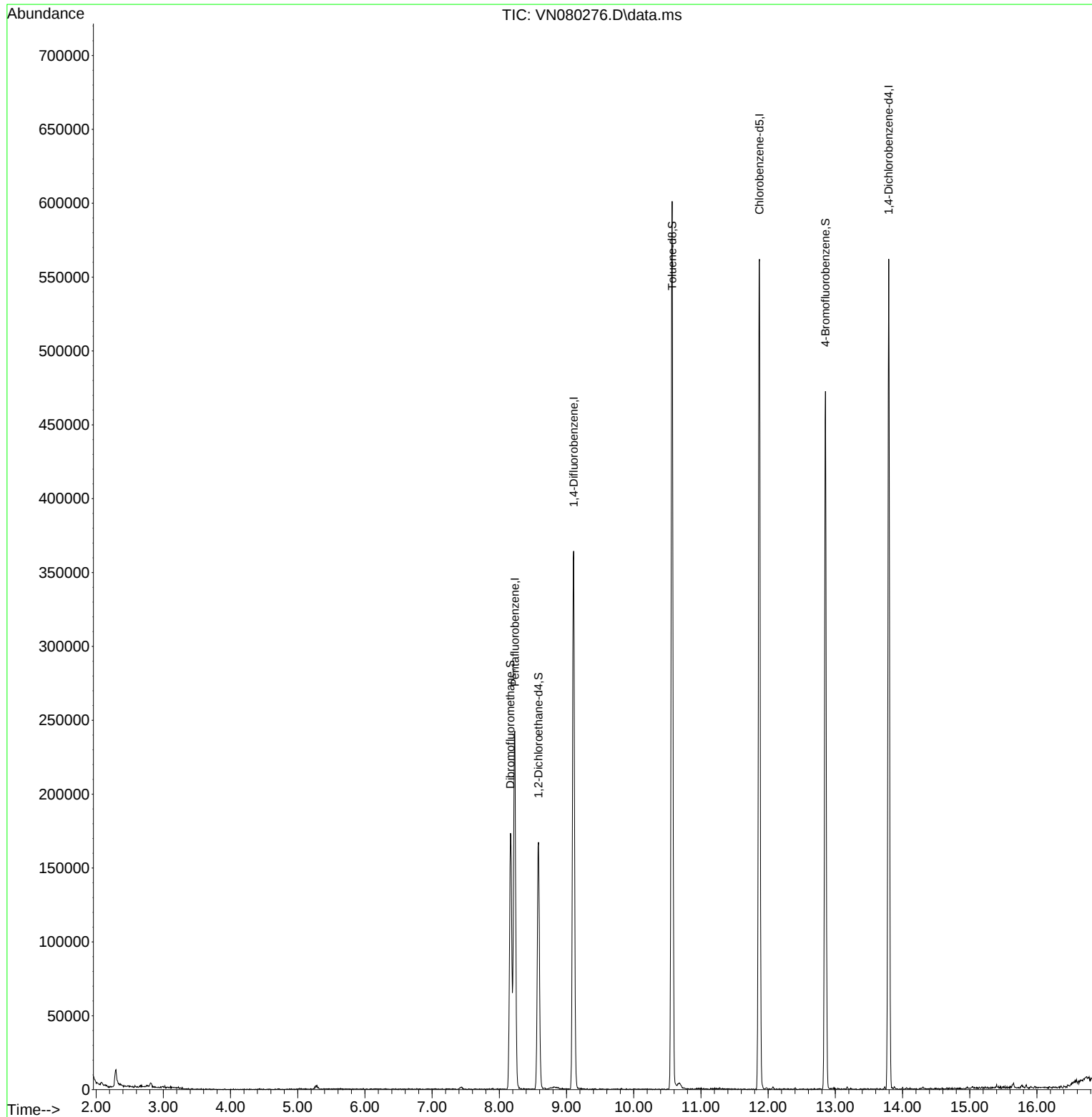
Target Compounds	Qvalue

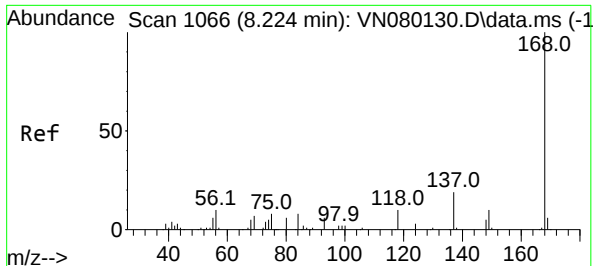
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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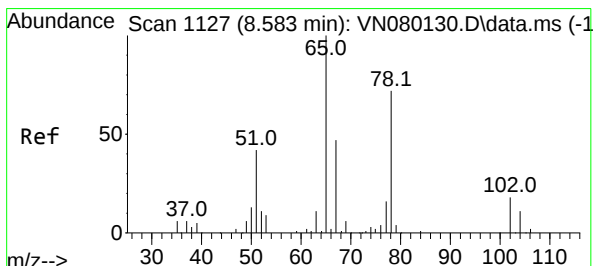
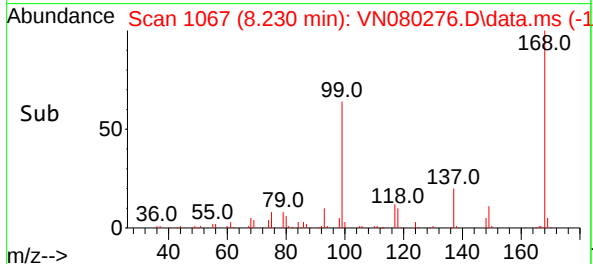
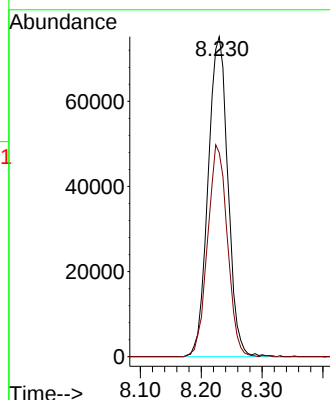
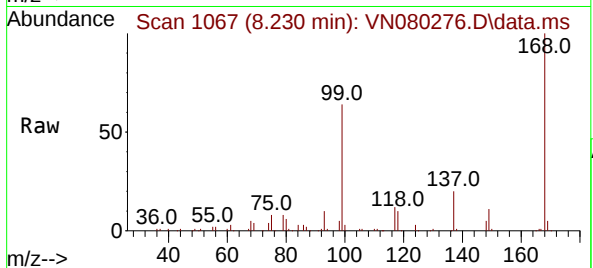




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080276.D
Acq: 27 Nov 2023 15:36

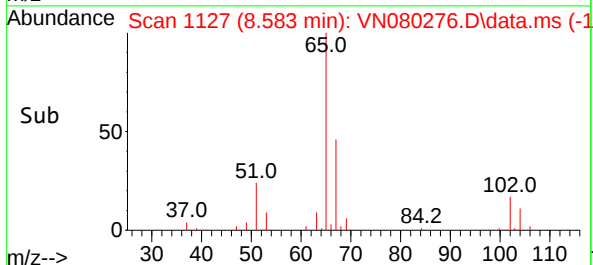
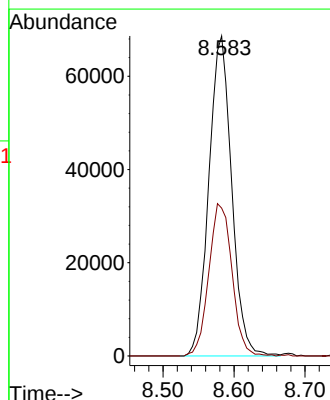
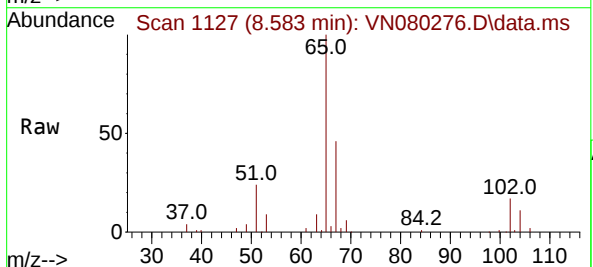
Instrument :
MSVOA_N
ClientSampleId :
1146

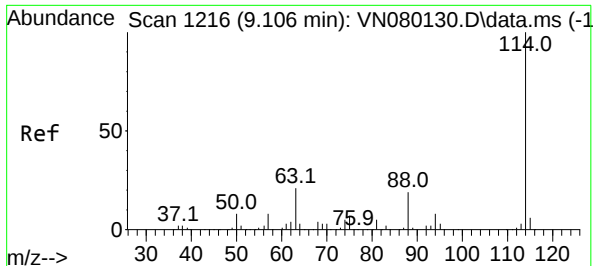
Tgt Ion:168 Resp: 170155
Ion Ratio Lower Upper
168 100
99 63.8 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 54.497 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080276.D
Acq: 27 Nov 2023 15:36

Tgt Ion: 65 Resp: 153112
Ion Ratio Lower Upper
65 100
67 48.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN080276.D

Acq: 27 Nov 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :

1146

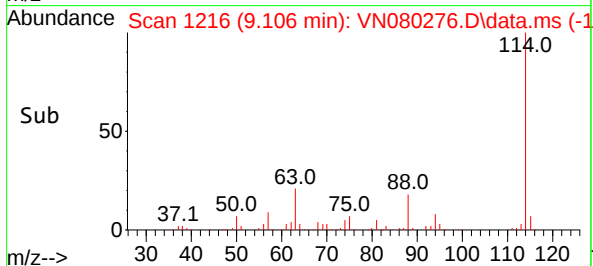
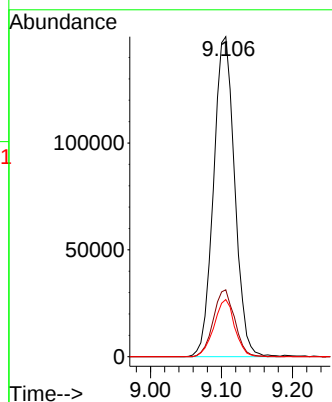
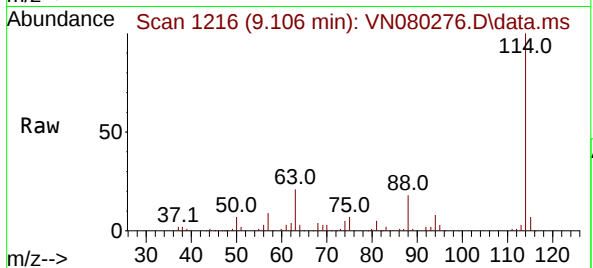
Tgt Ion:114 Resp: 308763

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 17.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.349 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080276.D

Acq: 27 Nov 2023 15:36

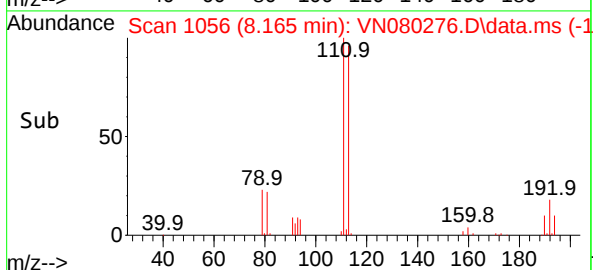
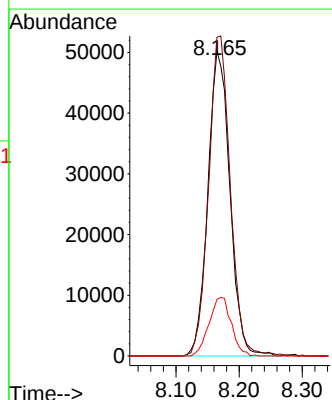
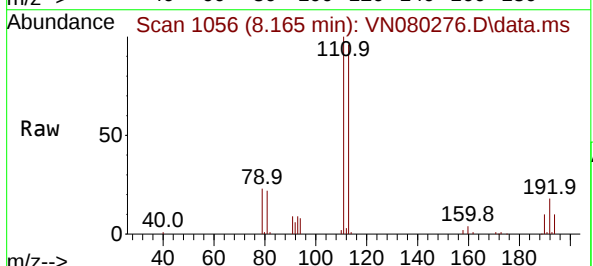
Tgt Ion:113 Resp: 121543

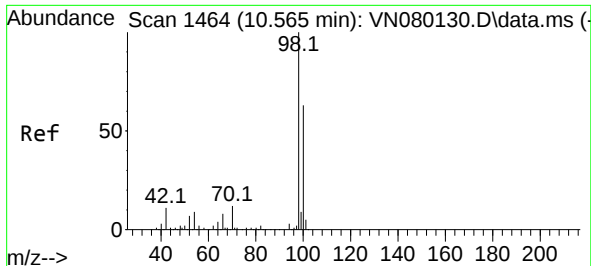
Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

192 19.4 12.7 19.1#

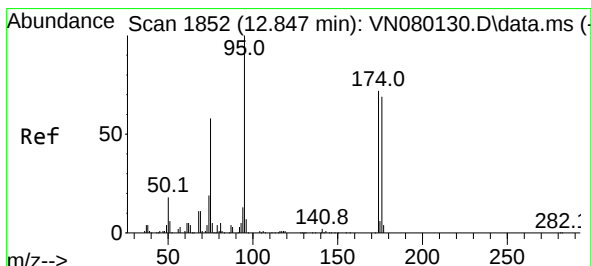
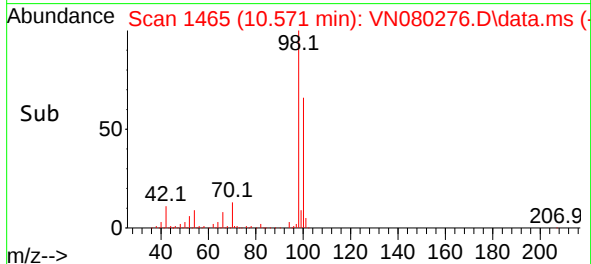
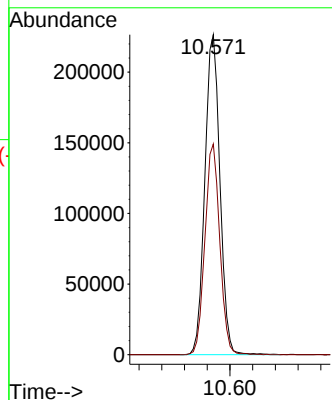
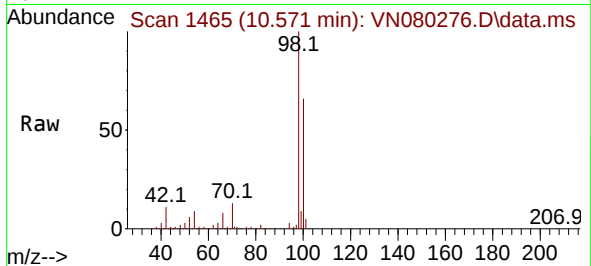




#50
Toluene-d8
Concen: 50.692 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080276.D
Acq: 27 Nov 2023 15:36

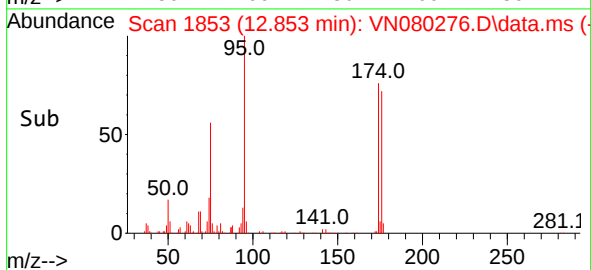
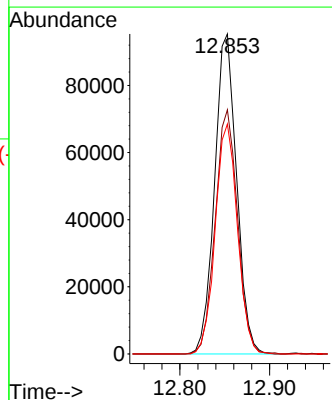
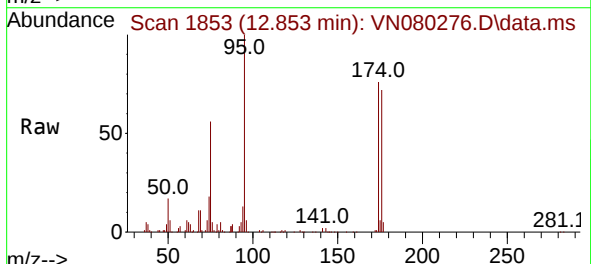
Instrument :
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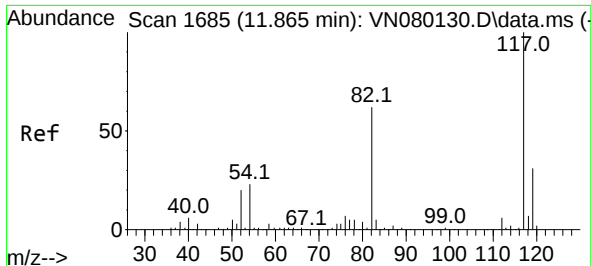
Tgt Ion: 98 Resp: 416318
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 52.329 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080276.D
Acq: 27 Nov 2023 15:36

Tgt Ion: 95 Resp: 162329
Ion Ratio Lower Upper
95 100
174 77.5 0.0 143.8
176 72.6 0.0 135.8

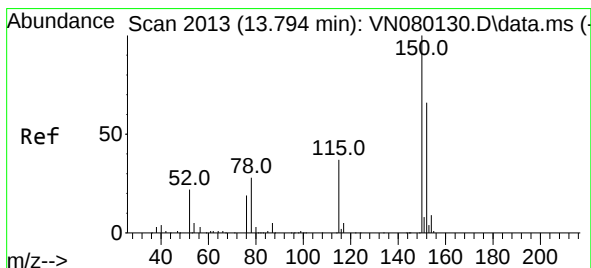
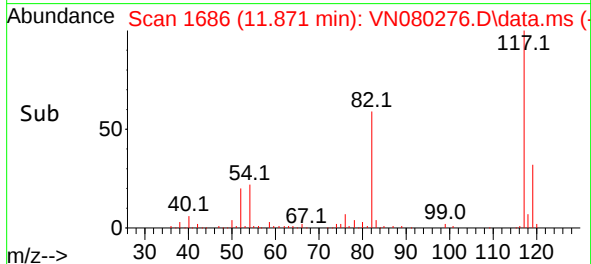
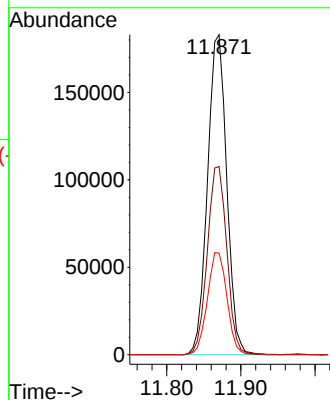
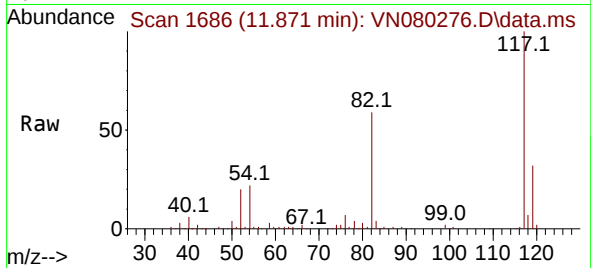




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080276.D
Acq: 27 Nov 2023 15:36

Instrument :
MSVOA_N
ClientSampleId :
1146

Tgt Ion:117 Resp: 329506
Ion Ratio Lower Upper
117 100
82 58.8 44.0 66.0
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080276.D
Acq: 27 Nov 2023 15:36

Tgt Ion:152 Resp: 148111
Ion Ratio Lower Upper
152 100
115 65.8 32.3 96.8
150 158.0 0.0 355.8

