

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080458.D
 Acq On : 13 Dec 2023 13:43
 Operator : JC\MD
 Sample : 05688-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PMW-1

Quant Time: Dec 14 04:06:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

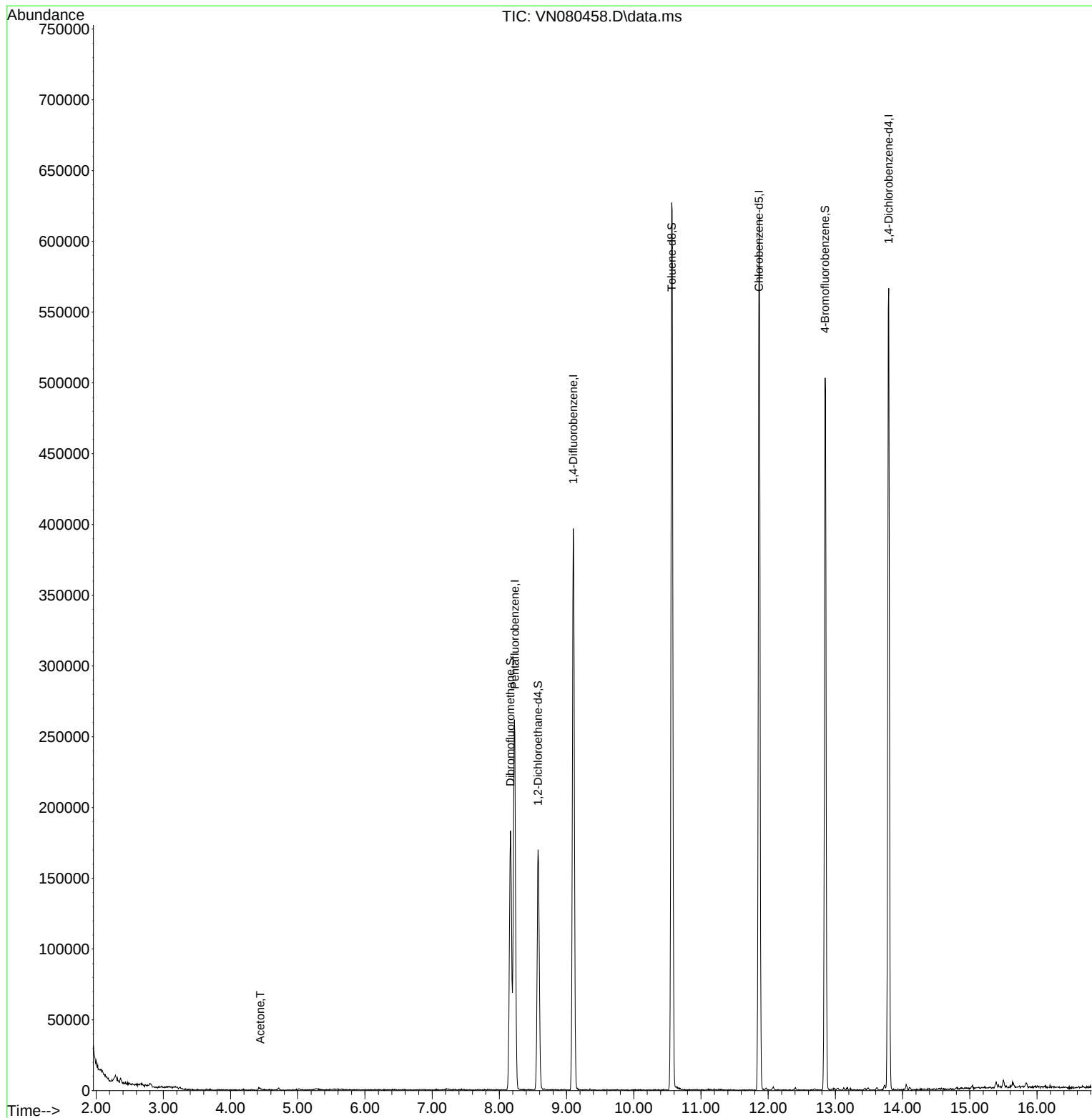
Internal Standards						
1) Pentafluorobenzene	8.230	168	187700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	344607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	358667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	157964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150372	62.724	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 125.440%#	
35) Dibromofluoromethane	8.165	113	128539	58.829	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 117.660%	
50) Toluene-d8	10.565	98	452718	55.557	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.120%	
62) 4-Bromofluorobenzene	12.847	95	183016	59.147	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 118.300%	
Target Compounds						
16) Acetone	4.442	43	2547	5.992	ug/l	Qvalue 98

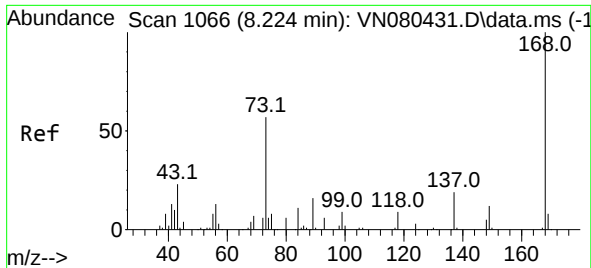
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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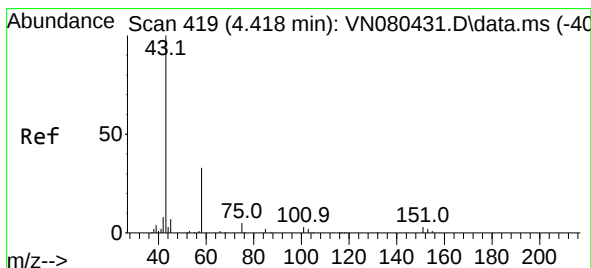
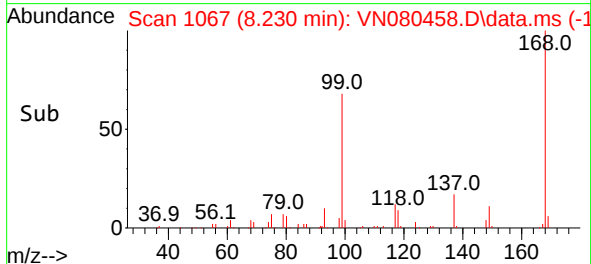
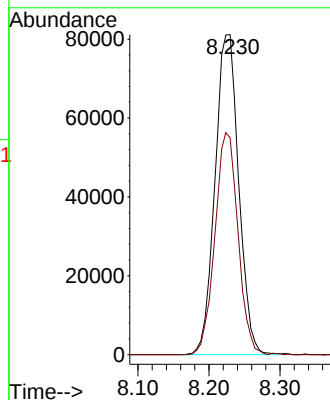
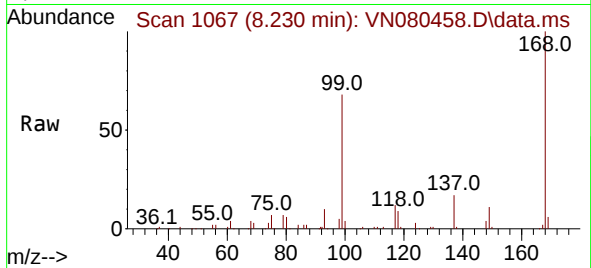




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080458.D
Acq: 13 Dec 2023 13:43

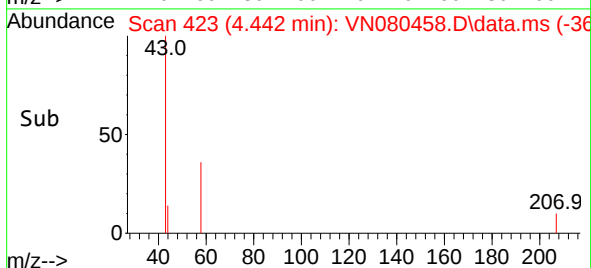
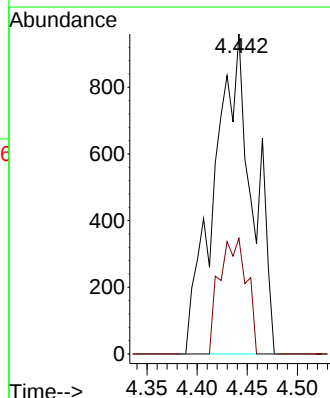
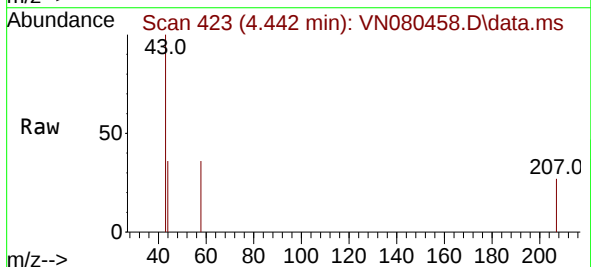
Instrument :
MSVOA_N
ClientSampleId :
PMW-1

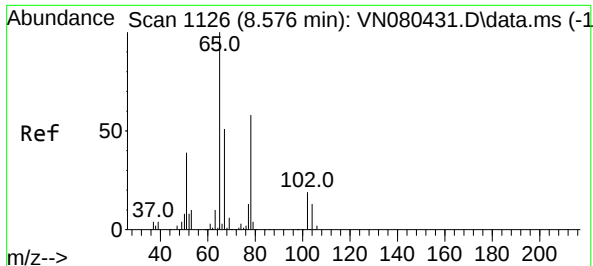
Tgt Ion:168 Resp: 187700
Ion Ratio Lower Upper
168 100
99 67.8 53.0 79.6



#16
Acetone
Concen: 5.992 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.024 min
Lab File: VN080458.D
Acq: 13 Dec 2023 13:43

Tgt Ion: 43 Resp: 2547
Ion Ratio Lower Upper
43 100
58 36.1 28.0 42.0





#33

1,2-Dichloroethane-d4

Concen: 62.724 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080458.D

Acq: 13 Dec 2023 13:43

Instrument :

MSVOA_N

ClientSampleId :

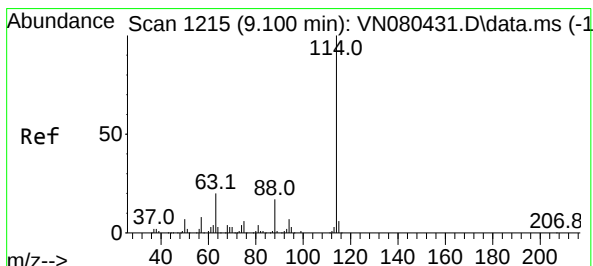
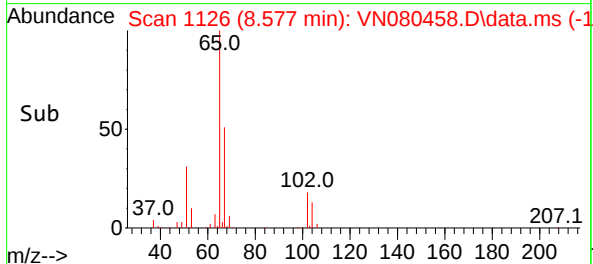
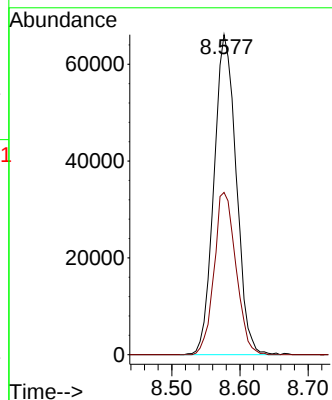
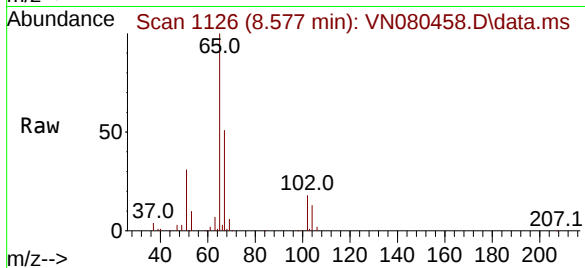
PMW-1

Tgt Ion: 65 Resp: 150372

Ion Ratio Lower Upper

65 100

67 49.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080458.D

Acq: 13 Dec 2023 13:43

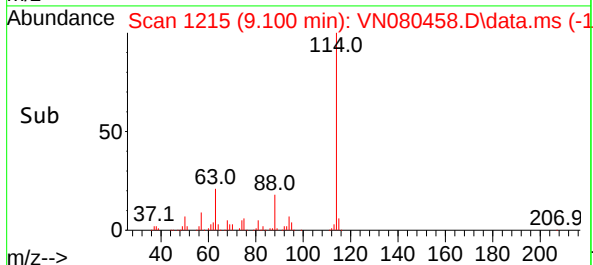
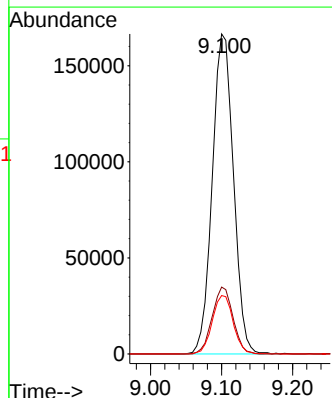
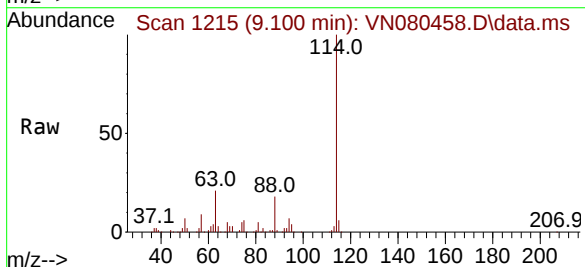
Tgt Ion: 114 Resp: 344607

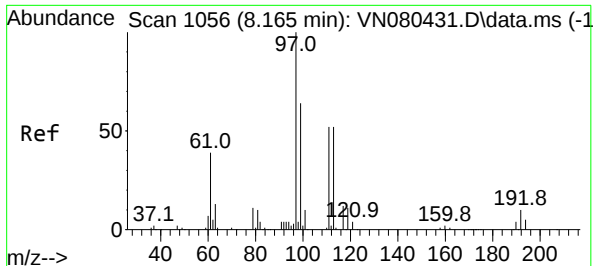
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 18.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 58.829 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080458.D

Acq: 13 Dec 2023 13:43

Instrument :

MSVOA_N

ClientSampleId :

PMW-1

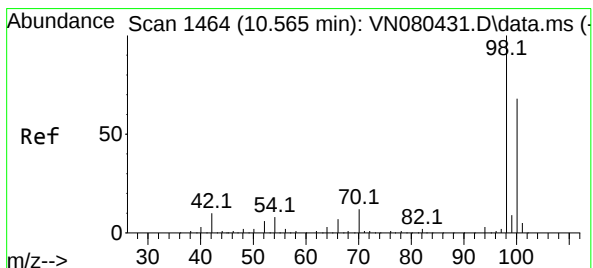
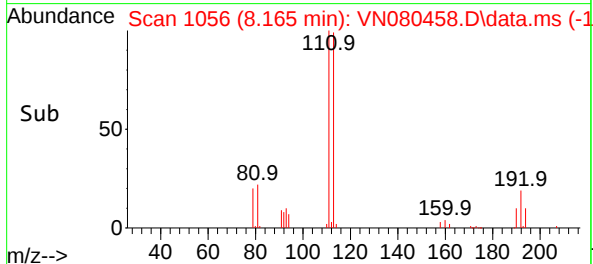
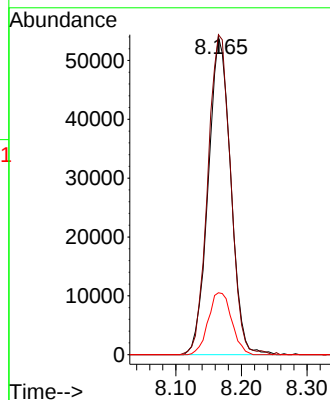
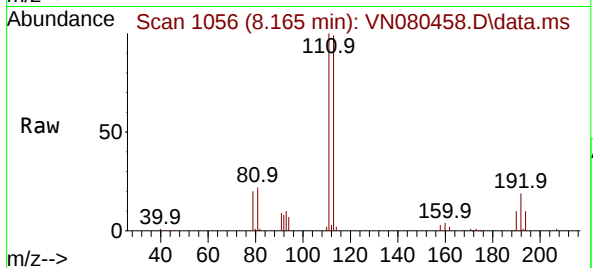
Tgt Ion:113 Resp: 128539

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 20.2 12.7 19.1#



#50

Toluene-d8

Concen: 55.557 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080458.D

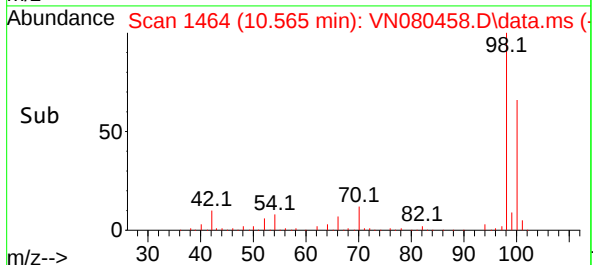
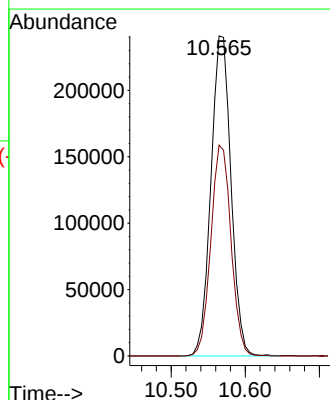
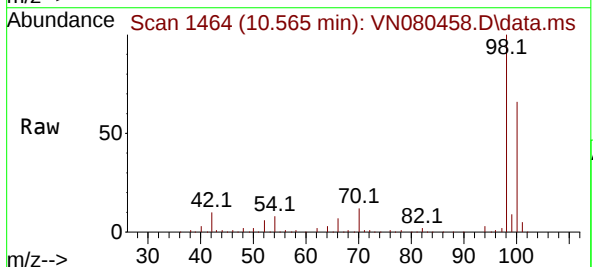
Acq: 13 Dec 2023 13:43

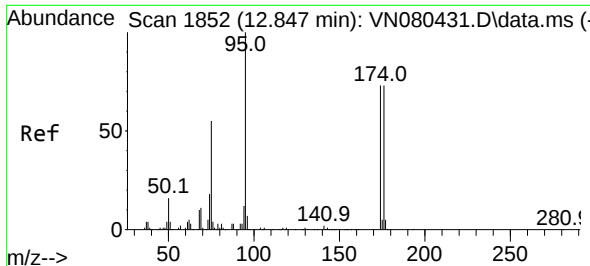
Tgt Ion: 98 Resp: 452718

Ion Ratio Lower Upper

98 100

100 66.2 52.0 78.0

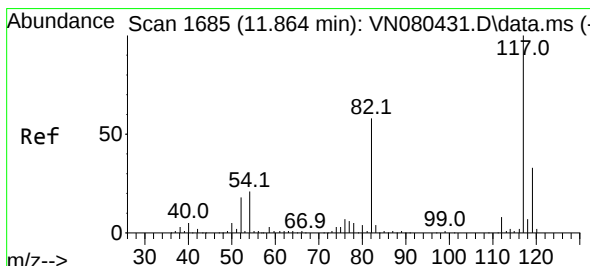
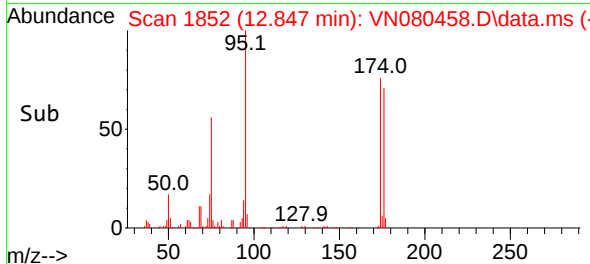
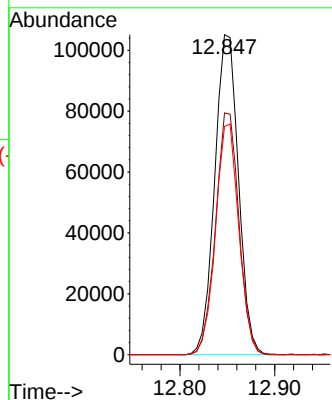
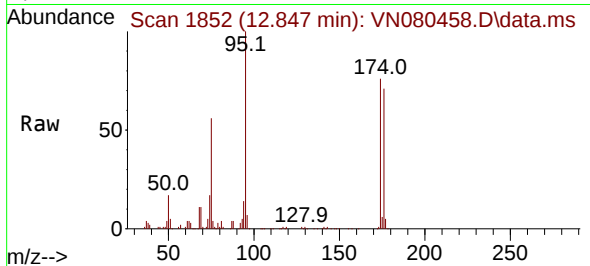




#62
4-Bromofluorobenzene
Concen: 59.147 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080458.D
Acq: 13 Dec 2023 13:43

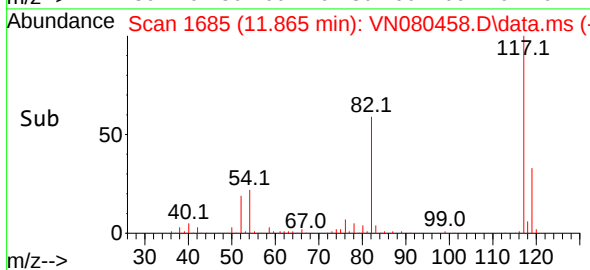
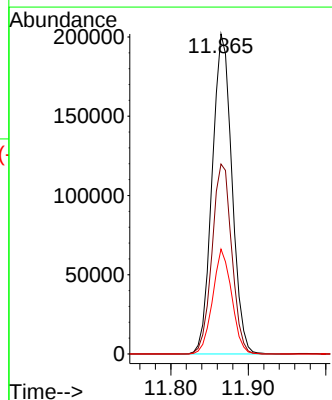
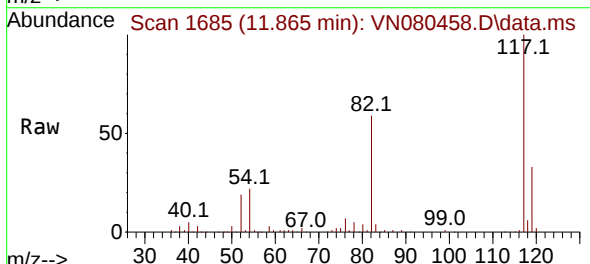
Instrument :
MSVOA_N
ClientSampleId :
PMW-1

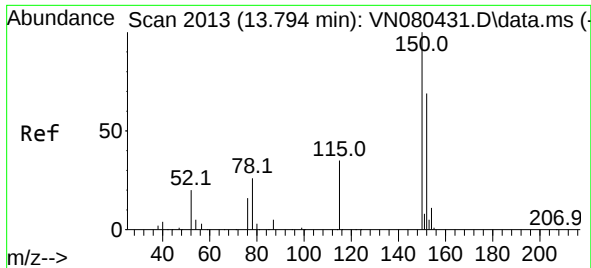
Tgt Ion: 95 Resp: 183016
Ion Ratio Lower Upper
95 100
174 74.3 0.0 143.8
176 70.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080458.D
Acq: 13 Dec 2023 13:43

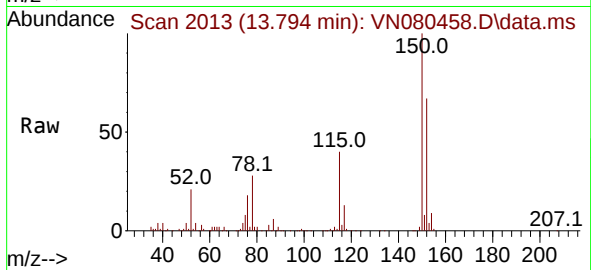
Tgt Ion: 117 Resp: 358667
Ion Ratio Lower Upper
117 100
82 59.3 44.0 66.0
119 32.7 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080458.D
 Acq: 13 Dec 2023 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 PMW-1



Tgt Ion:152 Resp: 157964
 Ion Ratio Lower Upper
 152 100
 115 64.9 32.3 96.8
 150 154.2 0.0 355.8

