

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080466.D
 Acq On : 13 Dec 2023 16:52
 Operator : JC\MD
 Sample : 05688-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PMW-2

Quant Time: Dec 14 04:09:31 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)

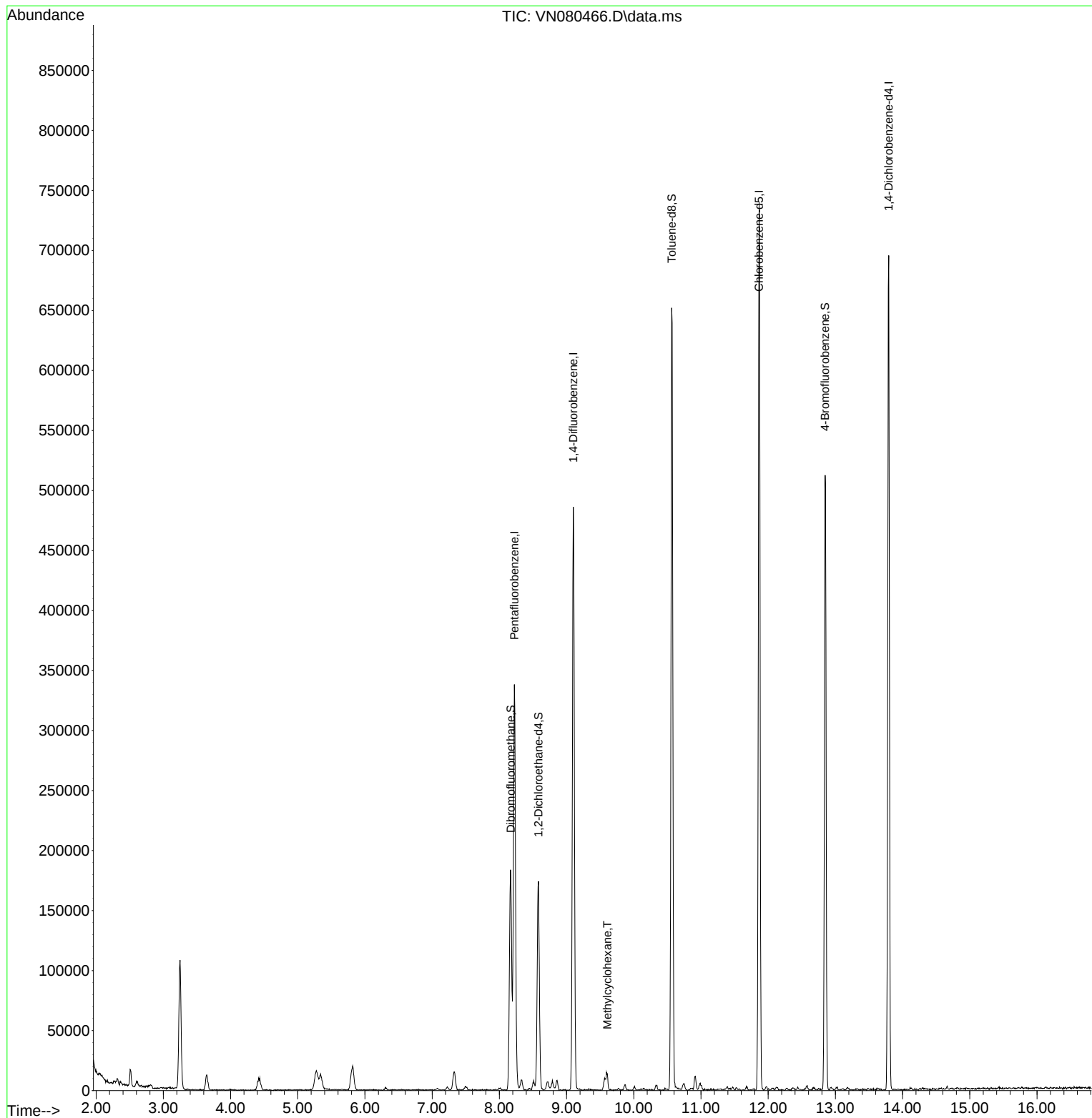
Internal Standards						
1) Pentafluorobenzene	8.224	168	230943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	417980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	425775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	155714	52.790	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.580%
35) Dibromofluoromethane	8.171	113	127901	48.262	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.520%
50) Toluene-d8	10.565	98	463427	46.888	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.780%
62) 4-Bromofluorobenzene	12.847	95	187290	49.903	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.800%
Target Compounds						
						Qvalue
39) Methylcyclohexane	9.606	83	7670	1.704	ug/l	# 89

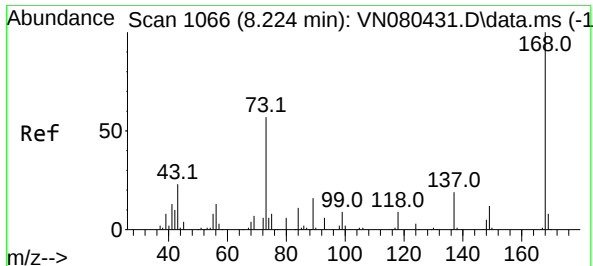
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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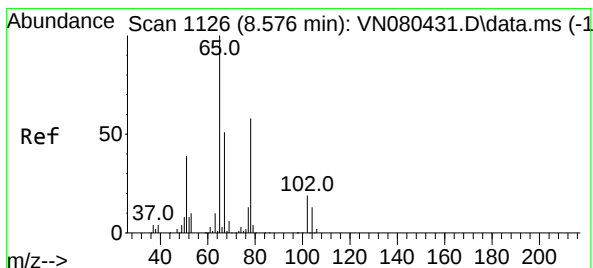
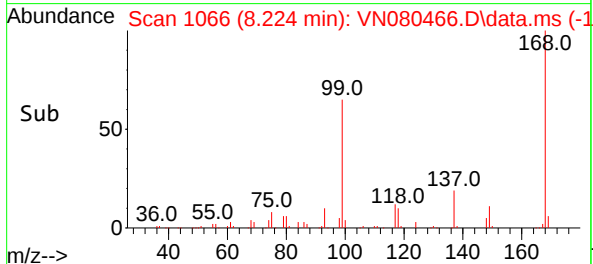
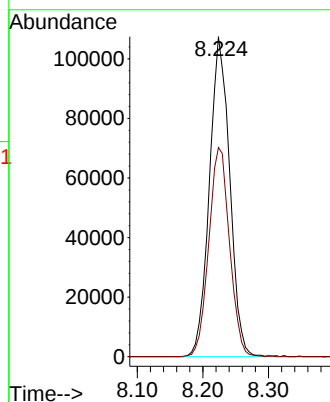
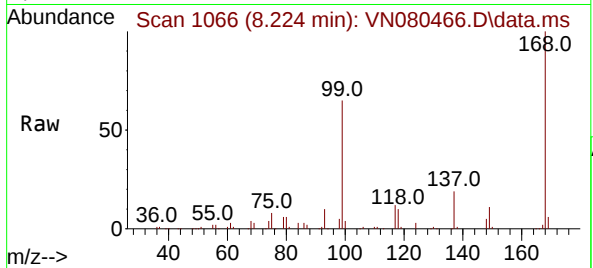




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

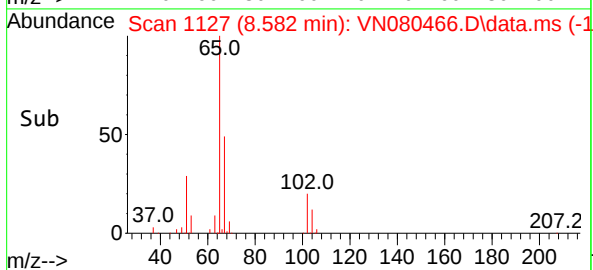
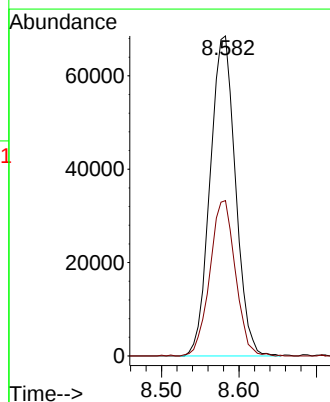
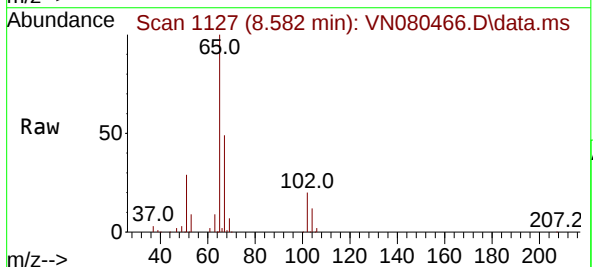
Instrument :
MSVOA_N
ClientSampleId :
PMW-2

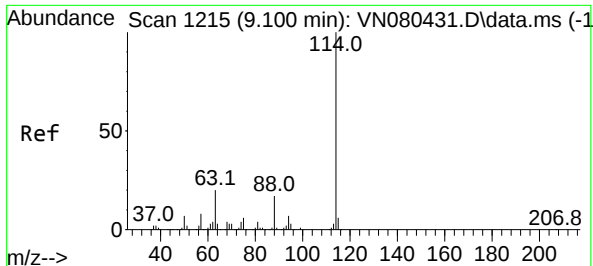
Tgt Ion:168 Resp: 230943
Ion Ratio Lower Upper
168 100
99 65.3 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 52.790 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

Tgt Ion: 65 Resp: 155714
Ion Ratio Lower Upper
65 100
67 48.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080466.D

Acq: 13 Dec 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :

PMW-2

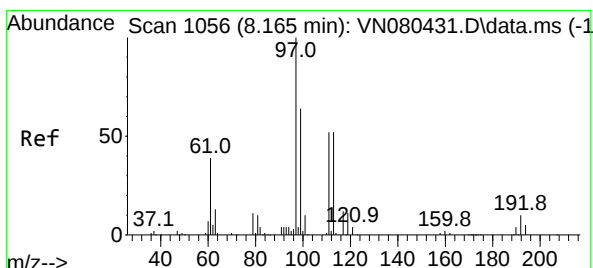
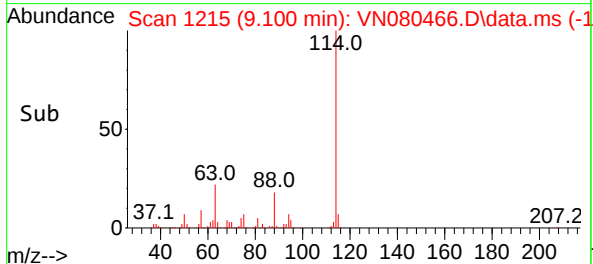
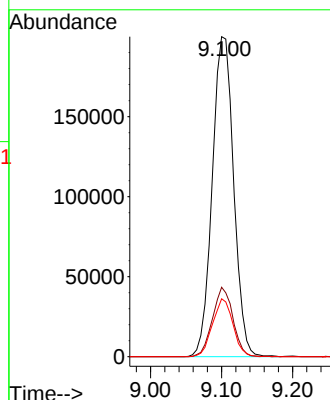
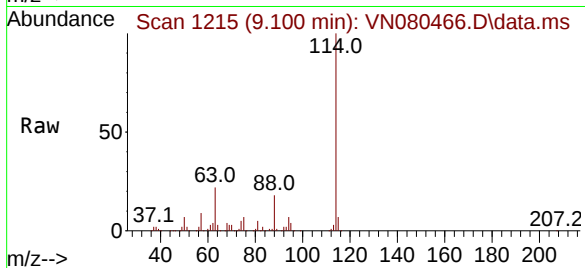
Tgt Ion:114 Resp: 417980

Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 18.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.262 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080466.D

Acq: 13 Dec 2023 16:52

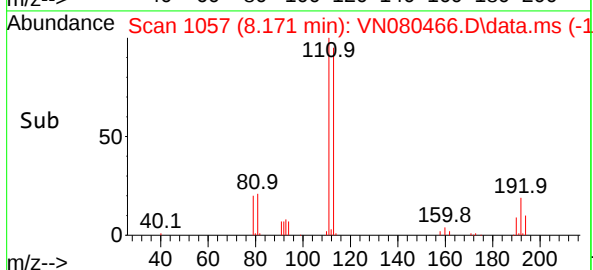
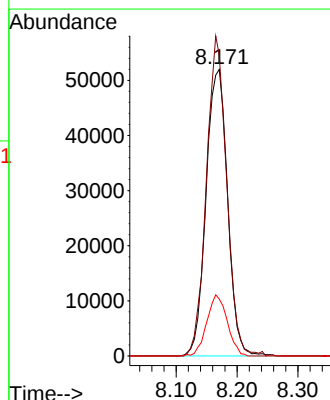
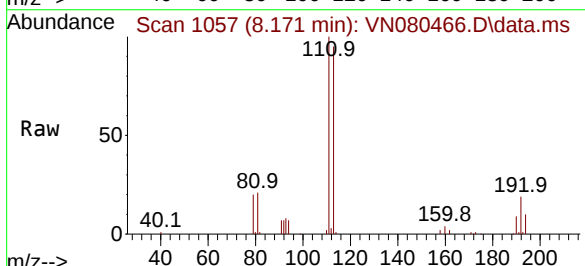
Tgt Ion:113 Resp: 127901

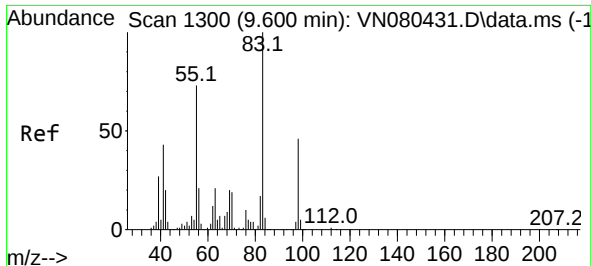
Ion Ratio Lower Upper

113 100

111 105.0 82.6 123.8

192 20.3 12.7 19.1#





#39

Methylcyclohexane

Concen: 1.704 ug/l

RT: 9.606 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080466.D

Acq: 13 Dec 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :

PMW-2

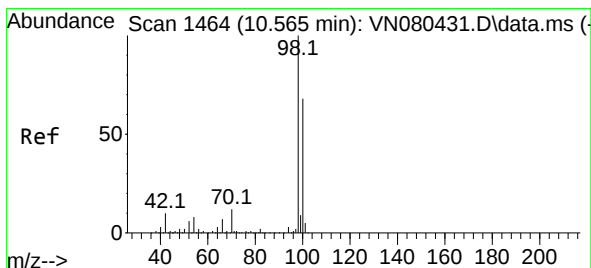
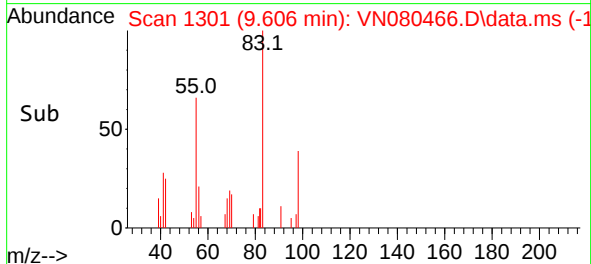
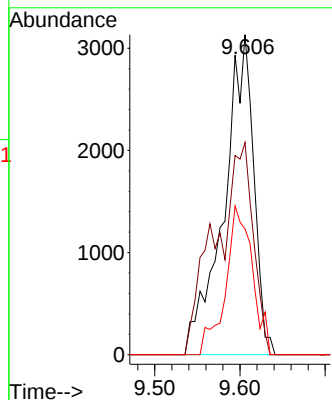
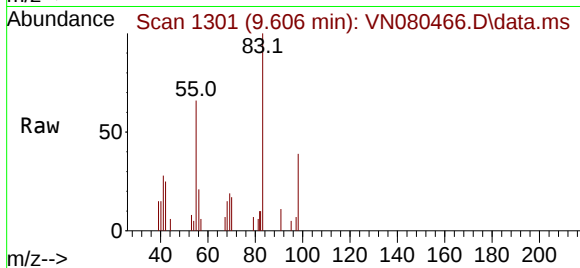
Tgt Ion: 83 Resp: 7670

Ion Ratio Lower Upper

83 100

55 66.3 49.1 73.7

98 39.3 40.6 61.0#



#50

Toluene-d8

Concen: 46.888 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080466.D

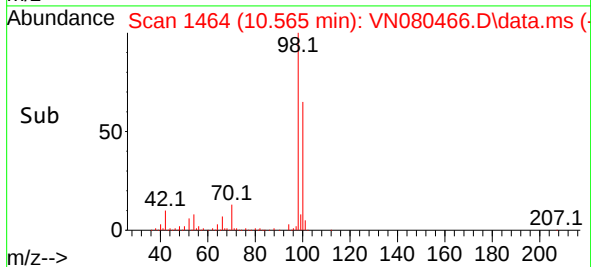
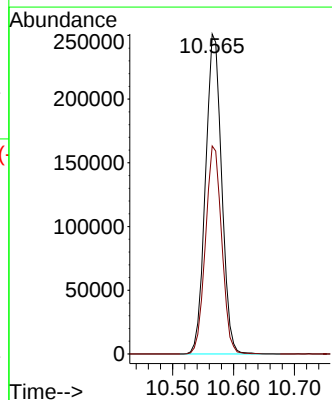
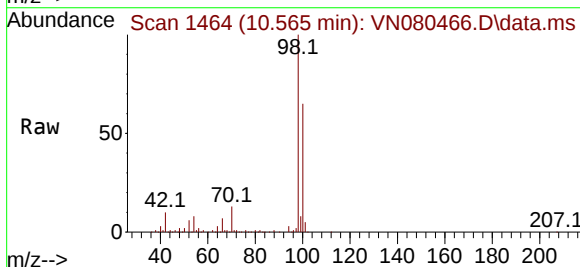
Acq: 13 Dec 2023 16:52

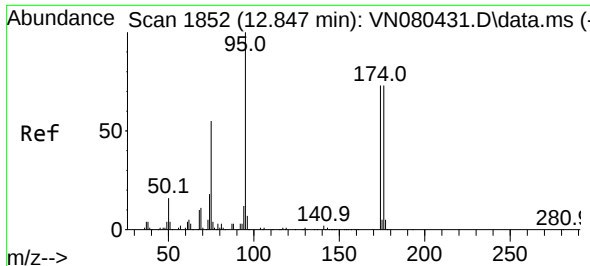
Tgt Ion: 98 Resp: 463427

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0

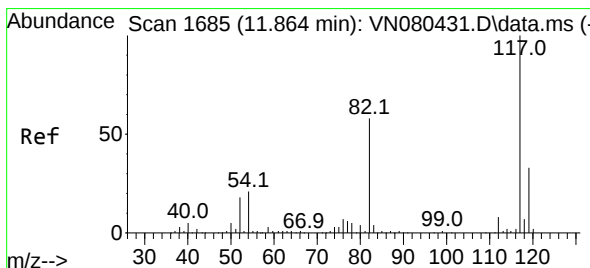
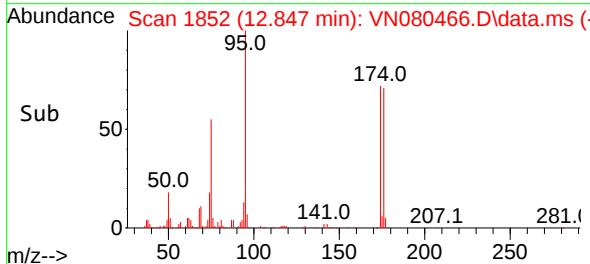
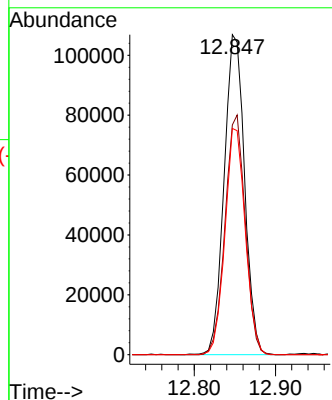
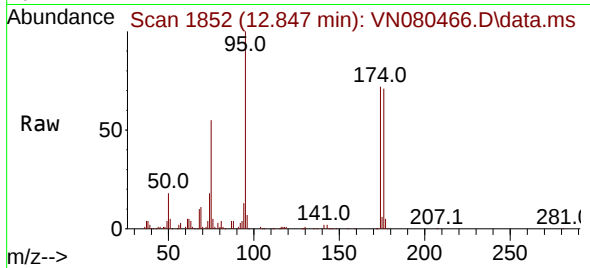




#62
4-Bromofluorobenzene
Concen: 49.903 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

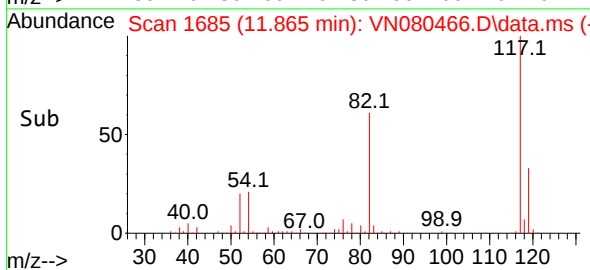
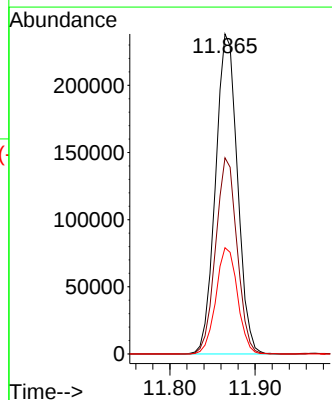
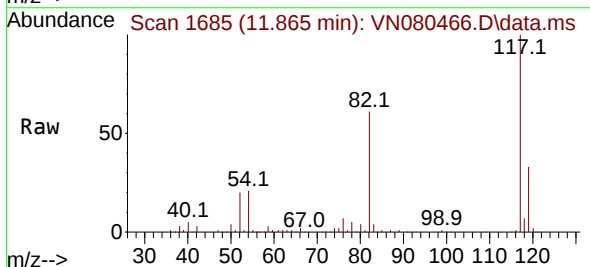
Instrument :
MSVOA_N
ClientSampleId :
PMW-2

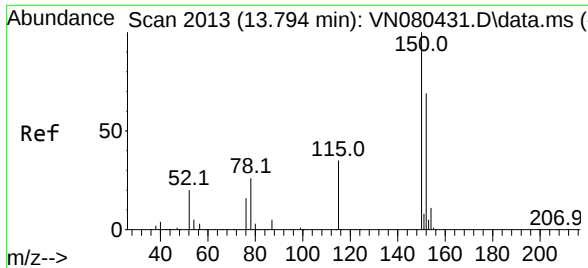
Tgt Ion: 95 Resp: 187290
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.8
176 70.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

Tgt Ion: 117 Resp: 425775
Ion Ratio Lower Upper
117 100
82 61.3 44.0 66.0
119 33.2 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: VN080466.D
 Acq: 13 Dec 2023 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PMW-2

Tgt Ion:	152	Resp:	193354
Ion	Ratio	Lower	Upper
152	100		
115	62.3	32.3	96.8
150	155.5	0.0	355.8

