

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085251.D
 Acq On : 18 Dec 2024 14:45
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 19 06:43:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	89658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	160322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	138574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	53332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	80573	51.416	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.840%		
35) Dibromofluoromethane	8.165	113	57580	51.085	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.160%		
50) Toluene-d8	10.565	98	193219	46.901	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 93.800%		
62) 4-Bromofluorobenzene	12.847	95	57965	39.393	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 78.780%		

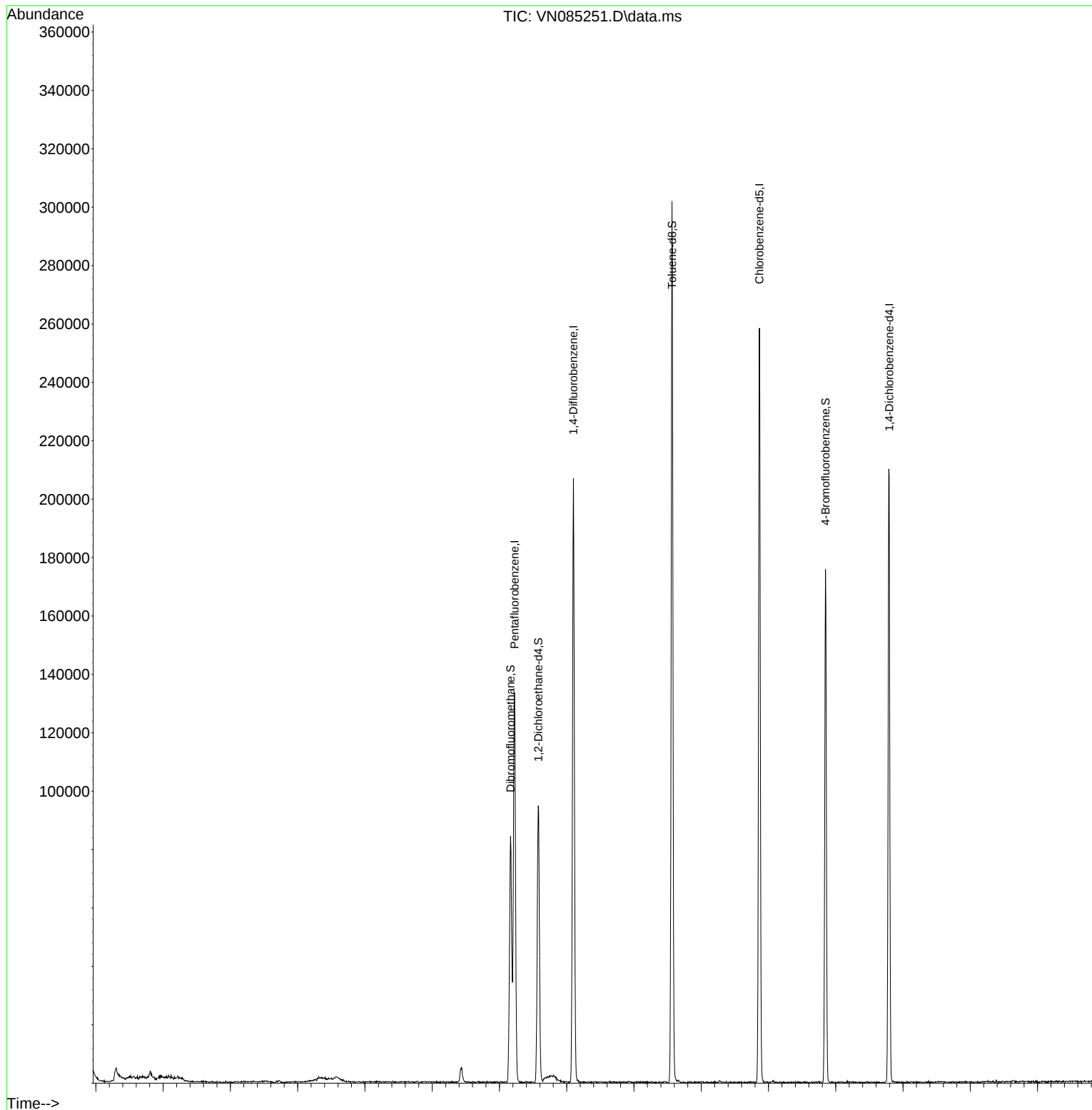
Target Compounds Qvalue

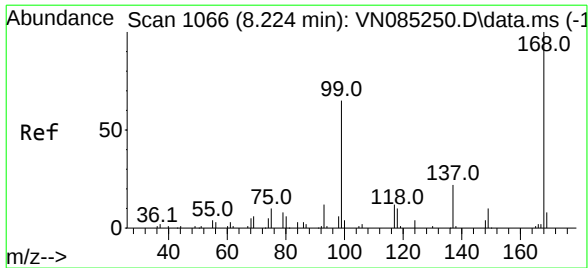
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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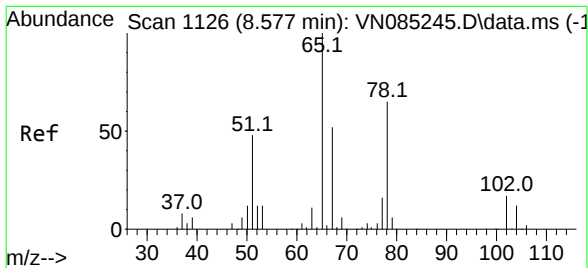
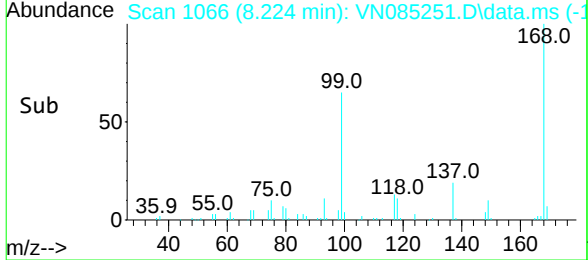
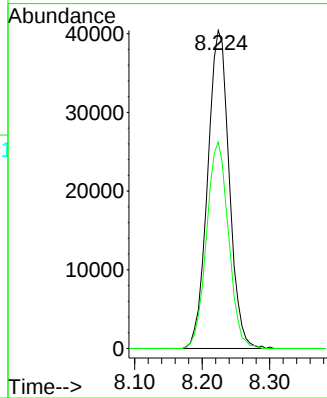
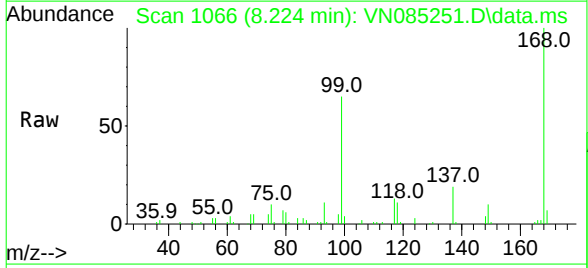




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085251.D
Acq: 18 Dec 2024 14:45

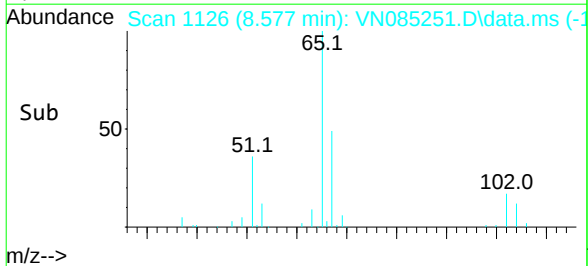
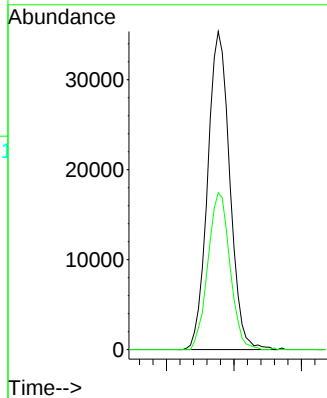
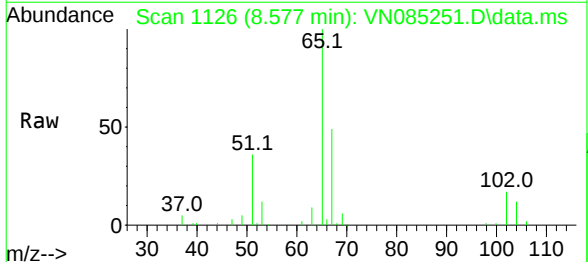
Instrument :
MSVOA_N
ClientSampleId :
IBLK

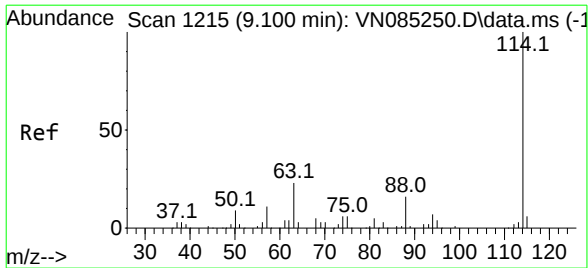
Tgt Ion:168 Resp: 89658
Ion Ratio Lower Upper
168 100
99 64.9 50.7 76.1



#33
1,2-Dichloroethane-d4
Concen: 51.416 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085251.D
Acq: 18 Dec 2024 14:45

Tgt Ion: 65 Resp: 80573
Ion Ratio Lower Upper
65 100
67 49.0 0.0 102.2

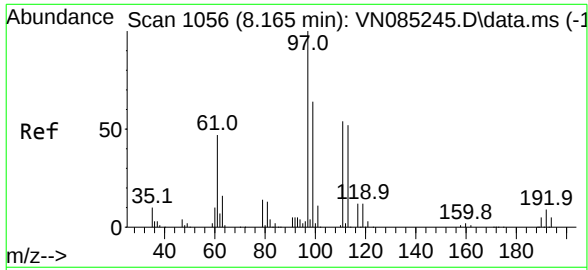
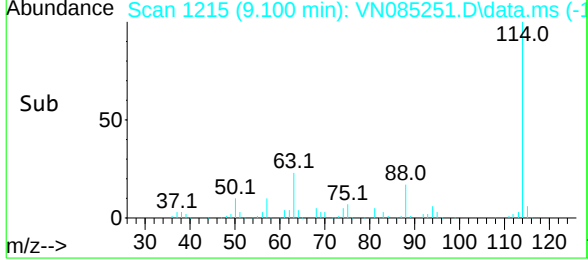
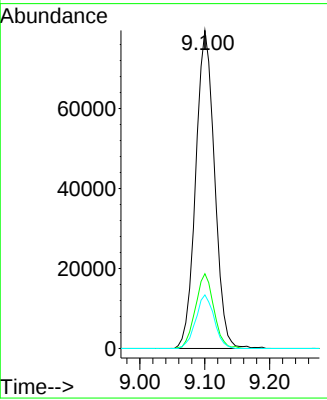
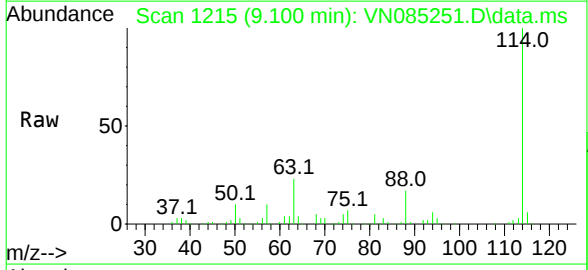




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN085251.D
 Acq: 18 Dec 2024 14:45

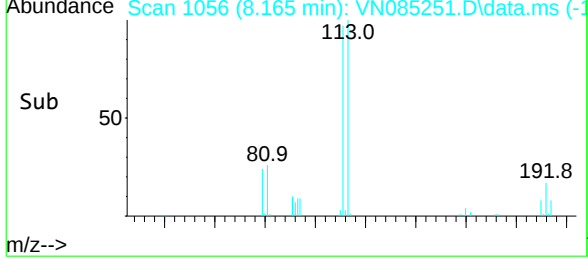
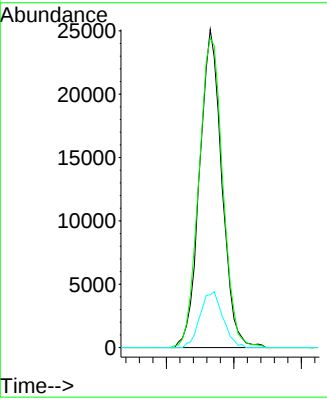
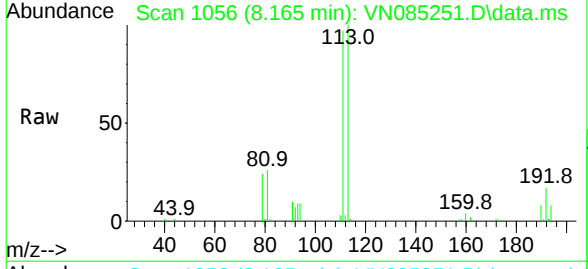
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

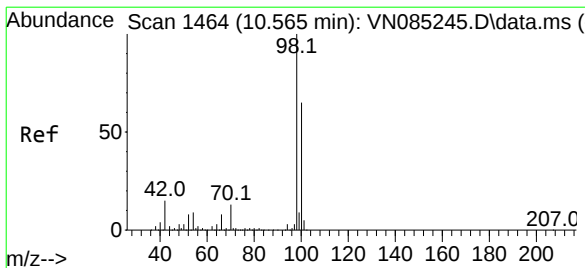
Tgt Ion:	114	Resp:	160322
Ion Ratio	Lower	Upper	
114	100		
63	23.5	0.0	46.2
88	16.8	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 51.085 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: VN085251.D
 Acq: 18 Dec 2024 14:45

Tgt Ion:	113	Resp:	57580
Ion Ratio	Lower	Upper	
113	100		
111	104.4	82.1	123.1
192	18.0	13.4	20.0





#50

Toluene-d8

Concen: 46.901 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085251.D

Acq: 18 Dec 2024 14:45

Instrument :

MSVOA_N

ClientSampleId :

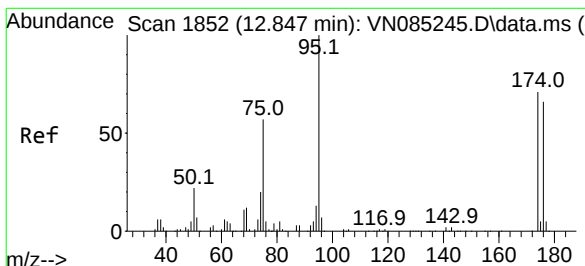
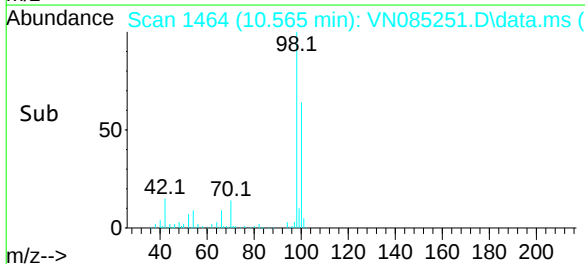
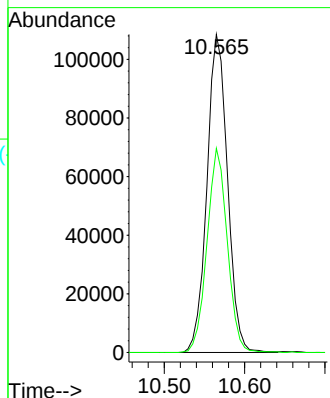
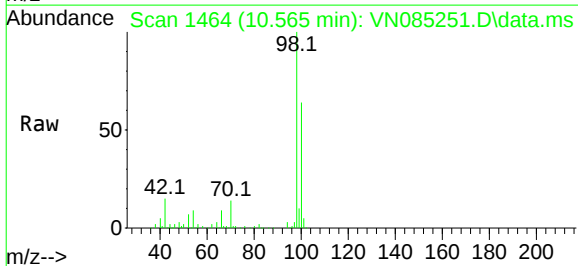
IBLK

Tgt Ion: 98 Resp: 193219

Ion Ratio Lower Upper

98 100

100 63.2 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 39.393 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN085251.D

Acq: 18 Dec 2024 14:45

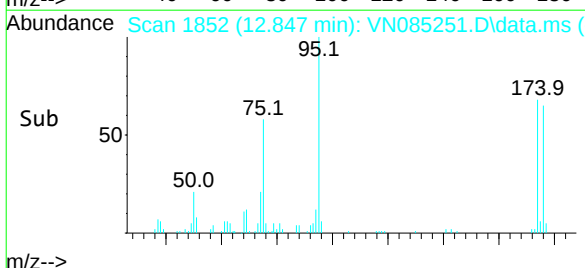
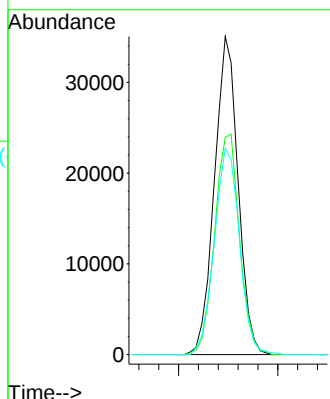
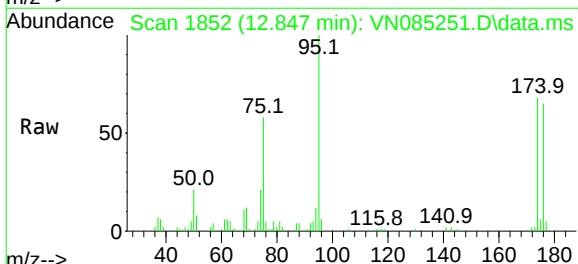
Tgt Ion: 95 Resp: 57965

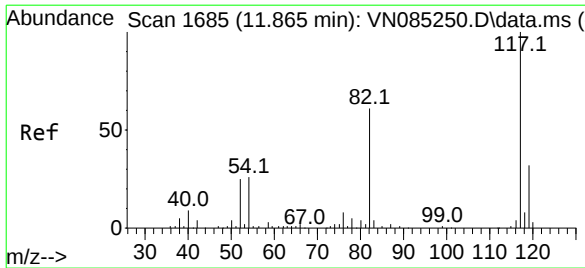
Ion Ratio Lower Upper

95 100

174 72.8 0.0 144.4

176 69.0 0.0 136.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. 0.000 min

Lab File: VN085251.D

Acq: 18 Dec 2024 14:45

Instrument :

MSVOA_N

ClientSampleId :

IBLK

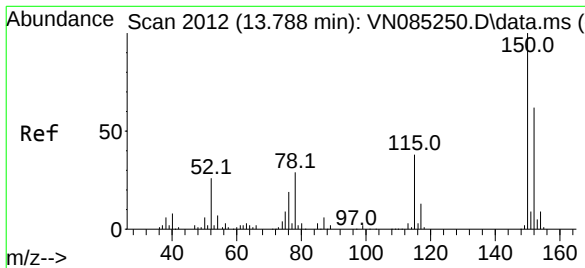
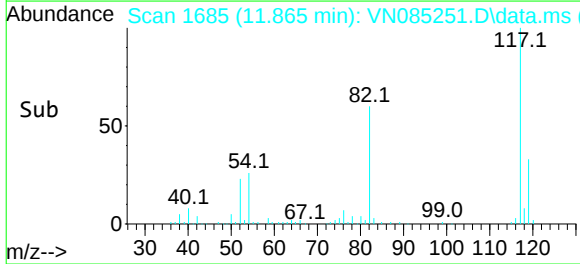
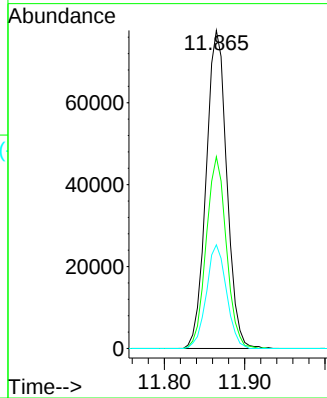
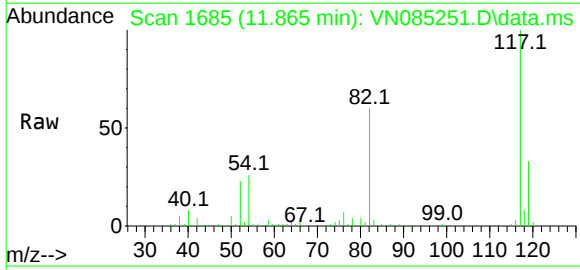
Tgt Ion:117 Resp: 138574

Ion Ratio Lower Upper

117 100

82 60.3 47.4 71.2

119 32.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN085251.D

Acq: 18 Dec 2024 14:45

Tgt Ion:152 Resp: 53332

Ion Ratio Lower Upper

152 100

115 63.8 32.1 96.3

150 157.9 0.0 354.6

