

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051425\
 Data File : VN086630.D
 Acq On : 14 May 2025 16:44
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 15 03:51:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	218101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	417147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	405222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	187857	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147744	46.715	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.440%
35) Dibromofluoromethane	8.165	113	123170	63.620	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	127.240%#
50) Toluene-d8	10.565	98	530864	51.306	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.620%
62) 4-Bromofluorobenzene	12.847	95	198068	52.482	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.960%

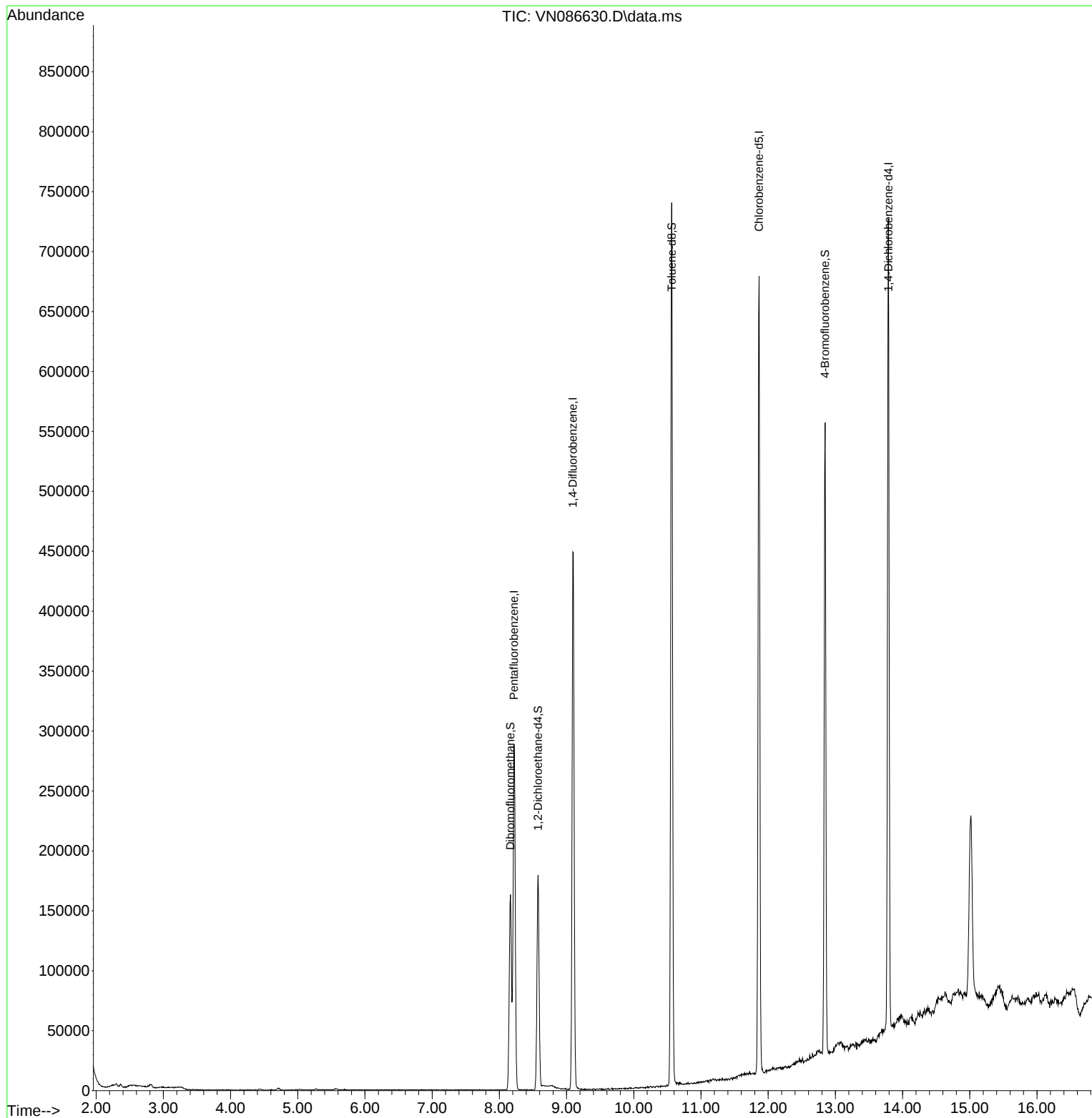
Target Compounds	Qvalue

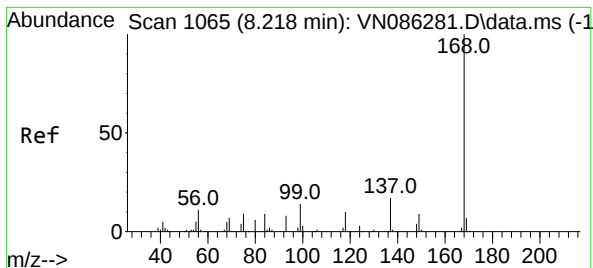
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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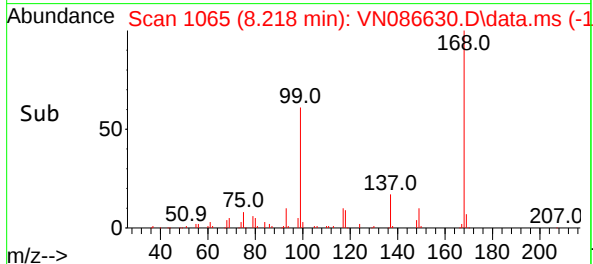
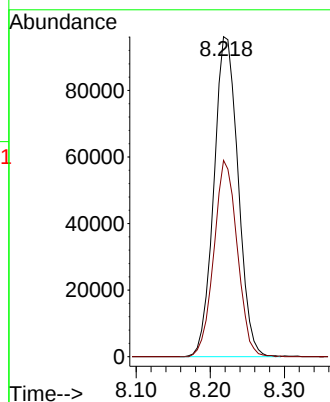
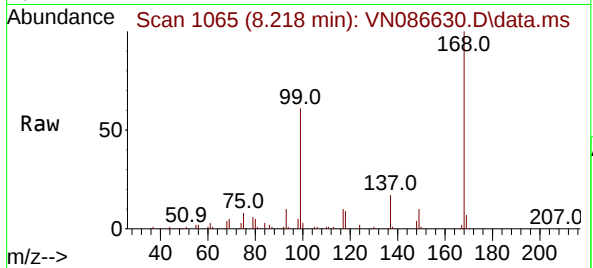




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086630.D
Acq: 14 May 2025 16:44

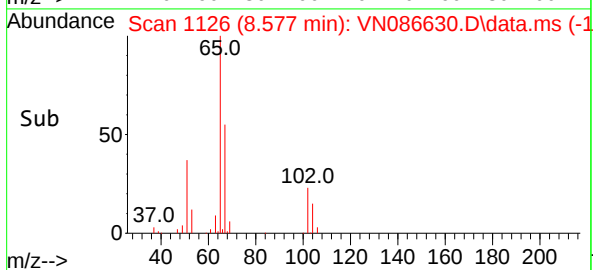
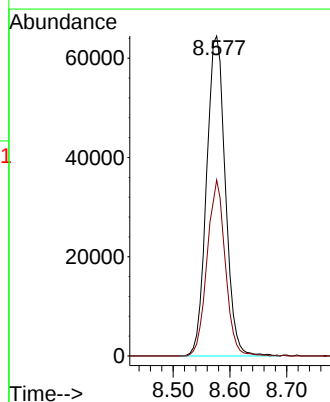
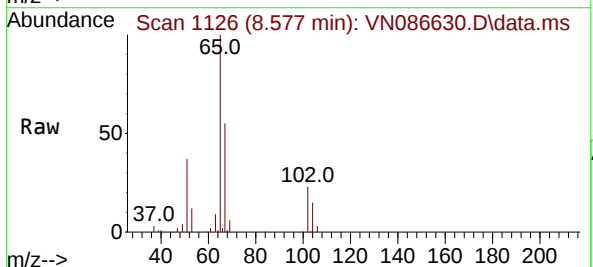
Instrument :
MSVOA_N
ClientSampleId :
IBLK

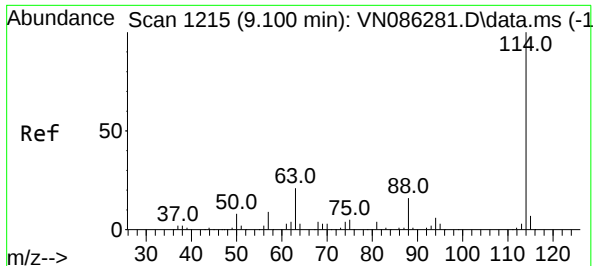
Tgt Ion:168 Resp: 218101
Ion Ratio Lower Upper
168 100
99 61.4 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 46.715 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086630.D
Acq: 14 May 2025 16:44

Tgt Ion: 65 Resp: 147744
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN086630.D

Acq: 14 May 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

IBLK

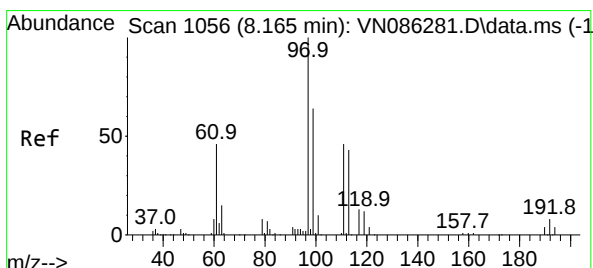
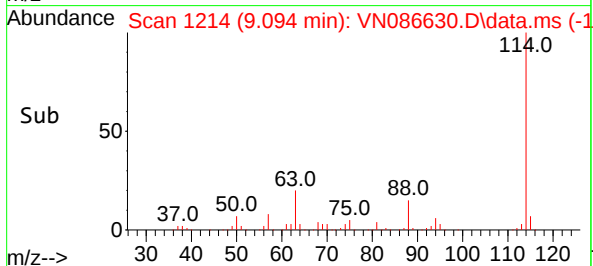
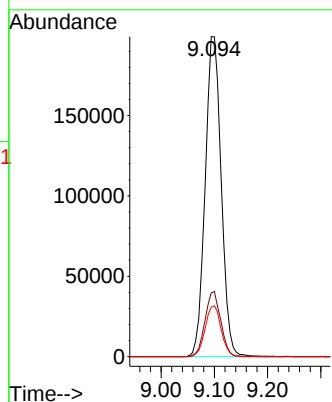
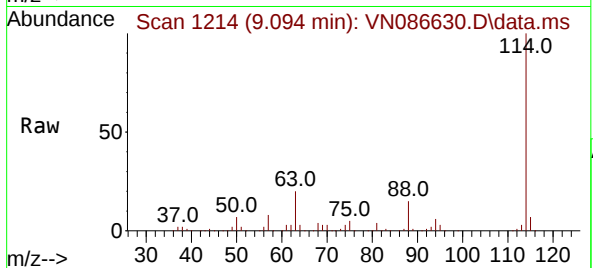
Tgt Ion:114 Resp: 417147

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.620 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086630.D

Acq: 14 May 2025 16:44

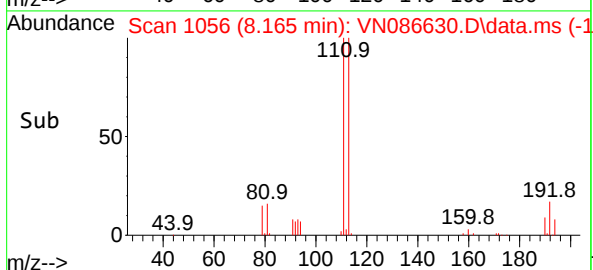
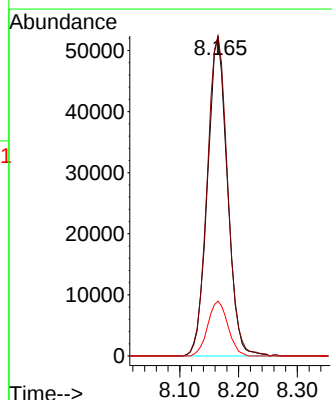
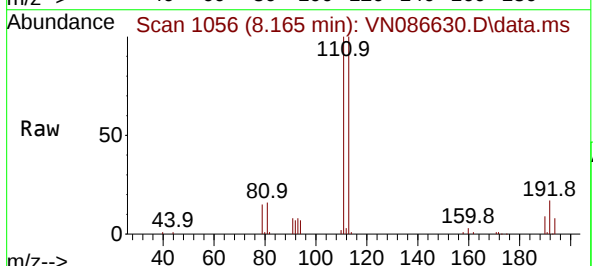
Tgt Ion:113 Resp: 123170

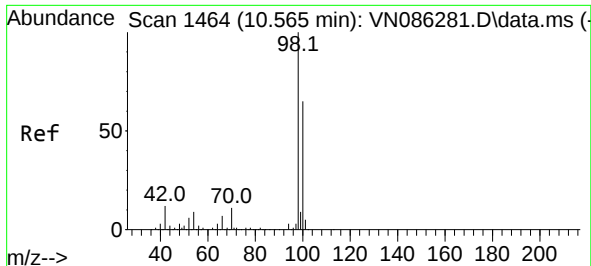
Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.0

192 17.3 13.7 20.5

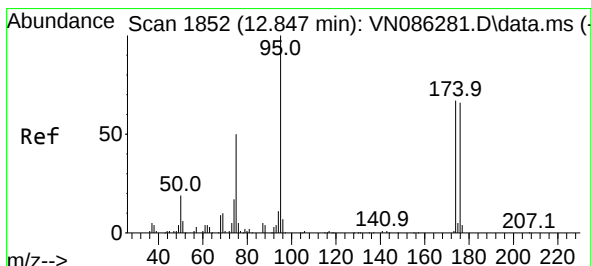
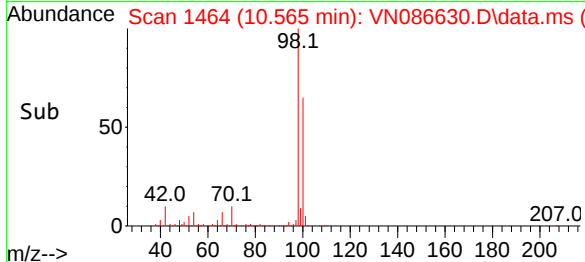
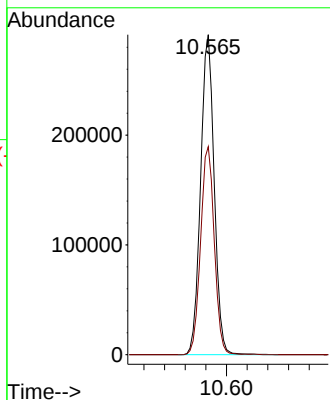
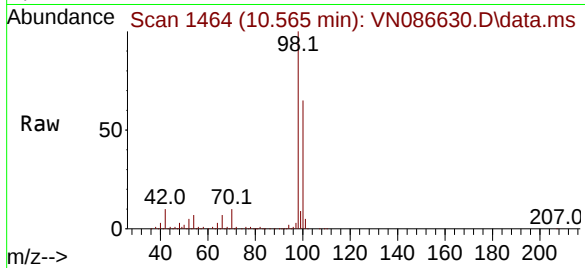




#50
Toluene-d8
Concen: 51.306 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086630.D
Acq: 14 May 2025 16:44

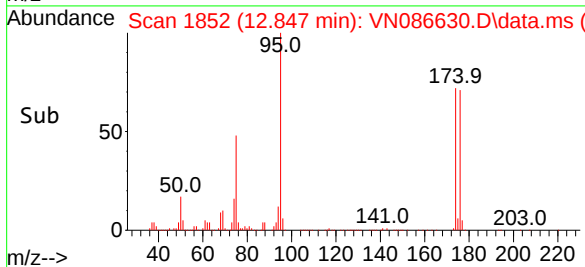
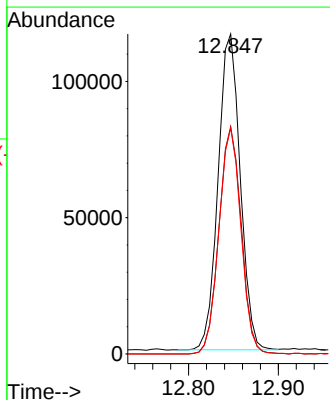
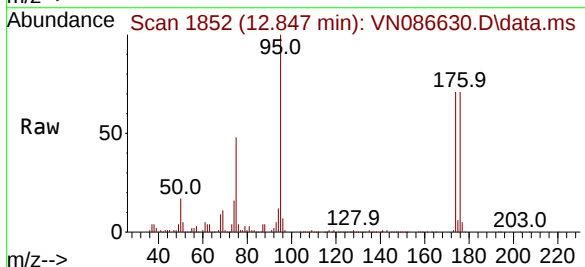
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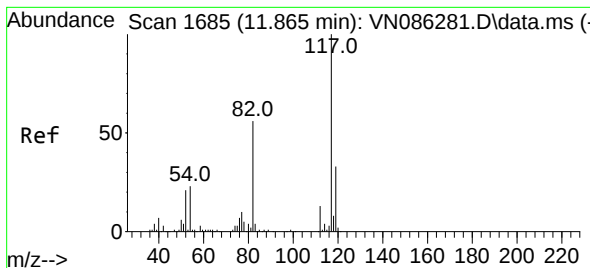
Tgt Ion: 98 Resp: 530864
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 52.482 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086630.D
Acq: 14 May 2025 16:44

Tgt Ion: 95 Resp: 198068
Ion Ratio Lower Upper
95 100
174 72.6 0.0 133.4
176 71.1 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086630.D

Acq: 14 May 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

IBLK

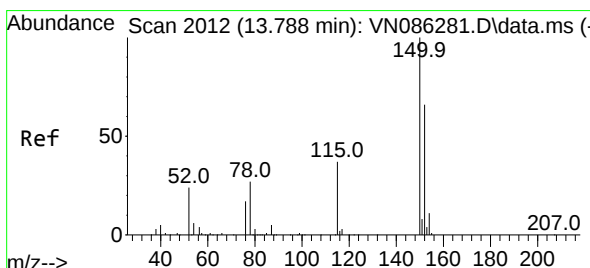
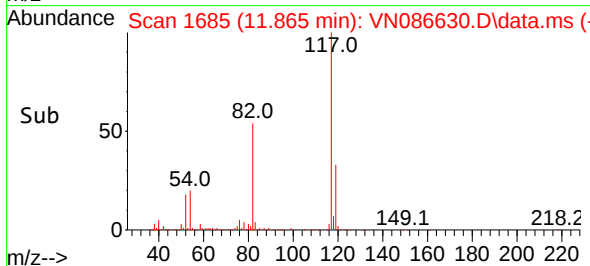
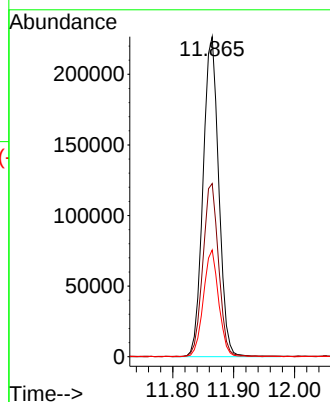
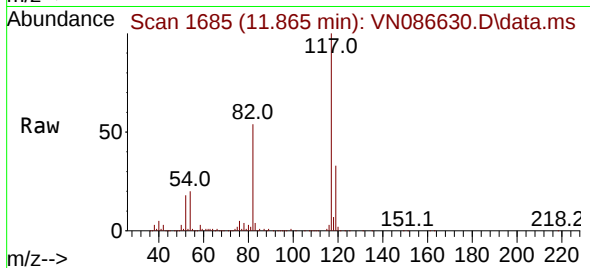
Tgt Ion:117 Resp: 405222

Ion Ratio Lower Upper

117 100

82 54.0 44.7 67.1

119 33.3 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086630.D

Acq: 14 May 2025 16:44

Tgt Ion:152 Resp: 187857

Ion Ratio Lower Upper

152 100

115 61.1 31.9 95.9

150 158.9 0.0 352.0

