

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086639.D
 Acq On : 15 May 2025 12:46
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 16 05:25:39 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	8.224	168	234099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	434508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	410919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	179228	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151264	44.560	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.120%
35) Dibromofluoromethane	8.165	113	129041	63.989	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	127.980%#
50) Toluene-d8	10.565	98	545842	50.645	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.300%
62) 4-Bromofluorobenzene	12.847	95	197232	50.172	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.340%

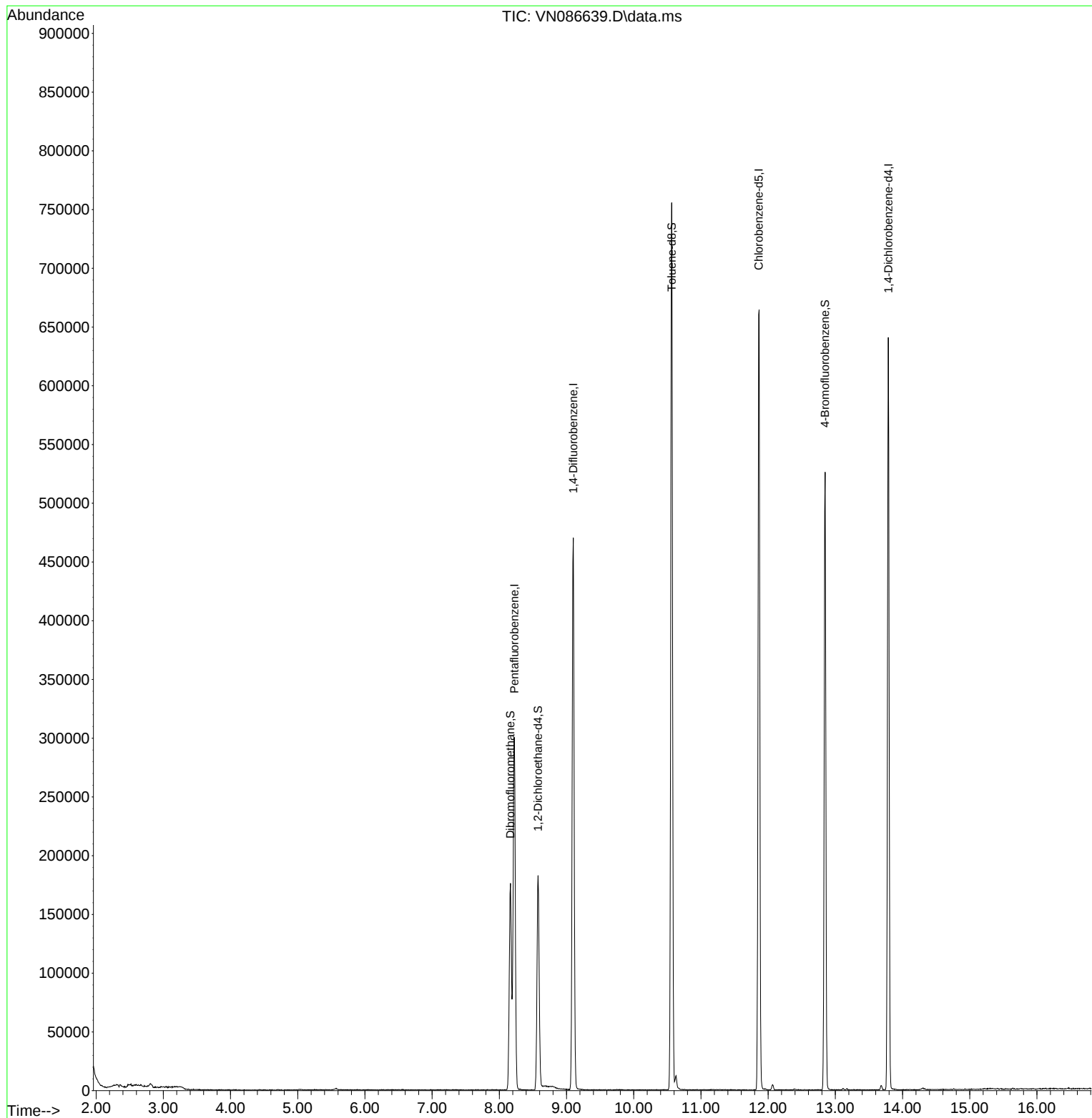
Target Compounds	Qvalue

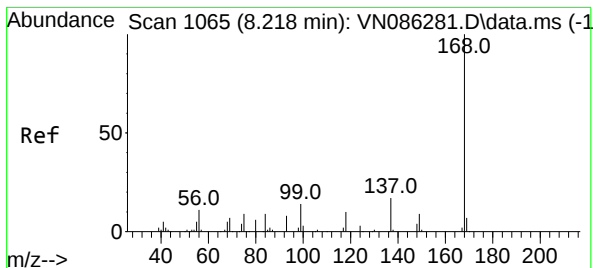
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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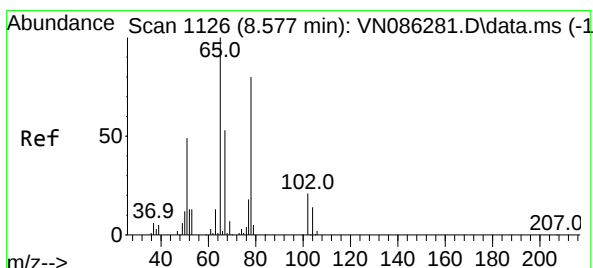
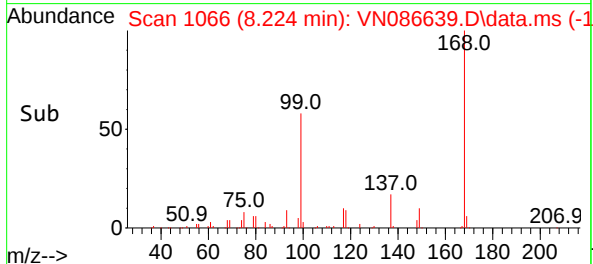
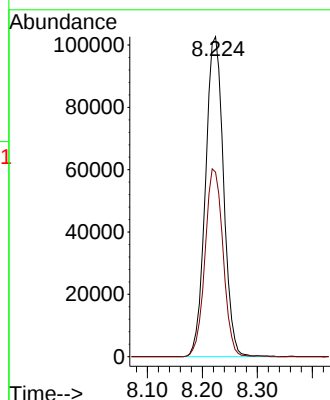
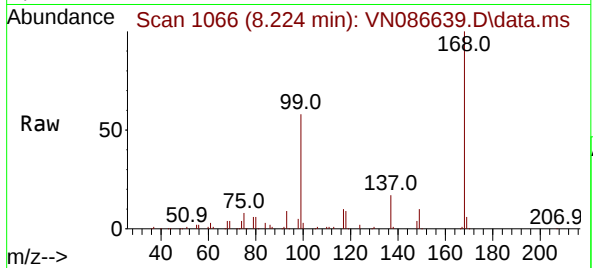




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

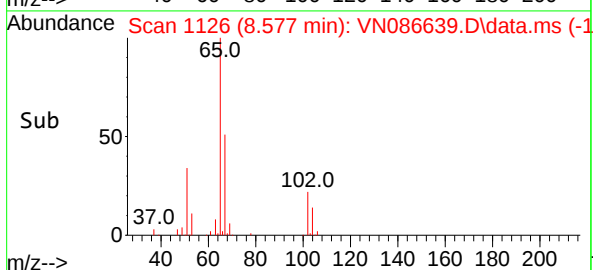
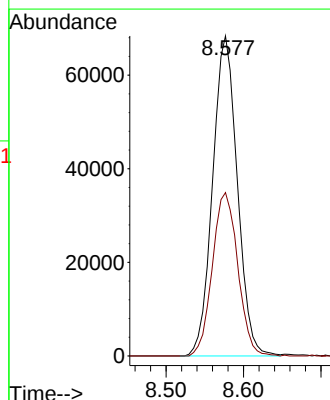
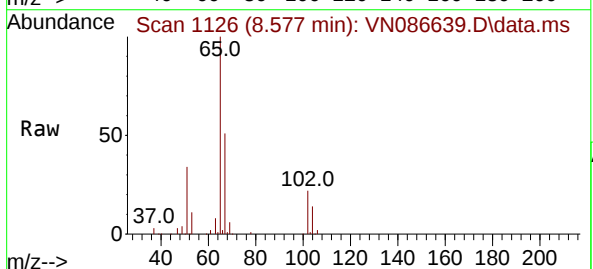
Instrument :
MSVOA_N
ClientSampleId :
IBLK

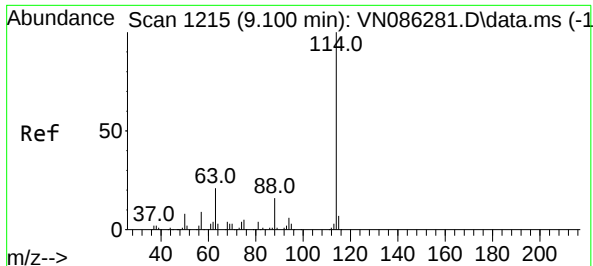
Tgt Ion:168 Resp: 234099
Ion Ratio Lower Upper
168 100
99 57.6 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 44.560 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

Tgt Ion: 65 Resp: 151264
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086639.D

Acq: 15 May 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

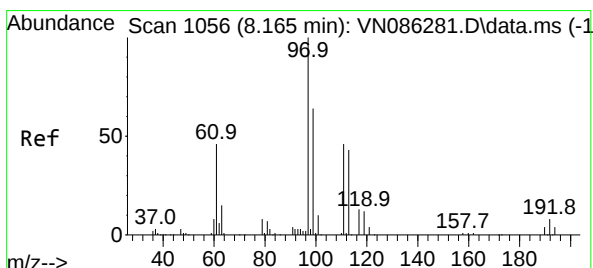
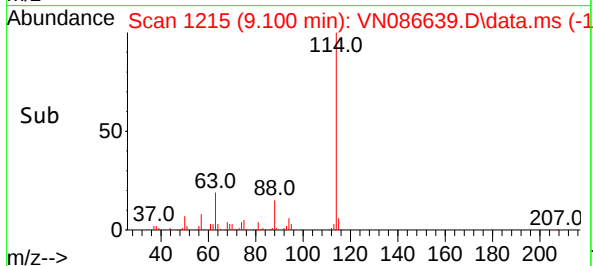
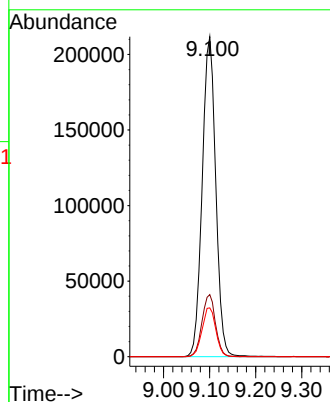
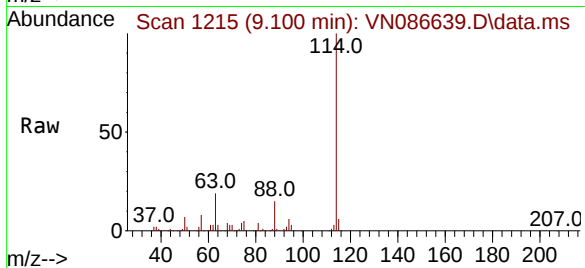
Tgt Ion:114 Resp: 434508

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.989 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086639.D

Acq: 15 May 2025 12:46

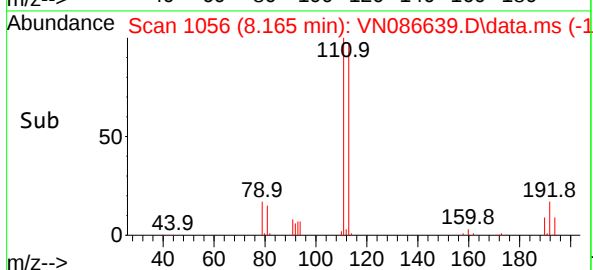
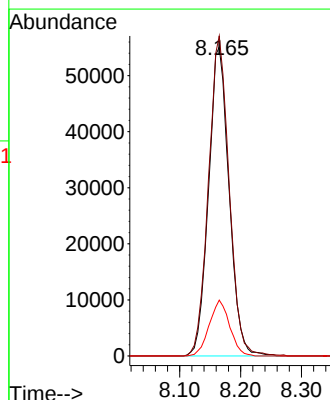
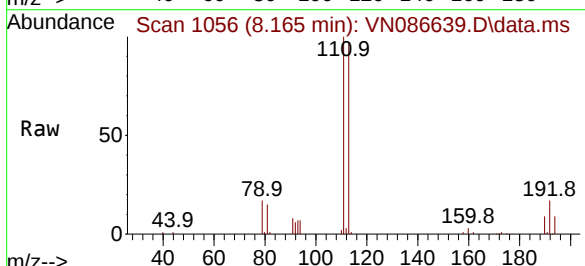
Tgt Ion:113 Resp: 129041

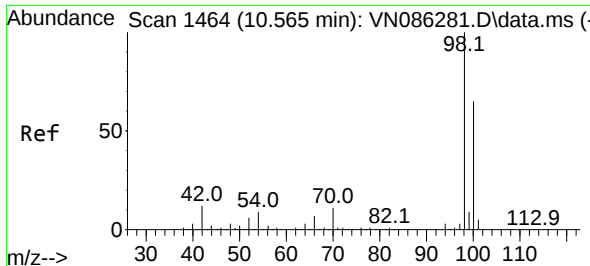
Ion Ratio Lower Upper

113 100

111 104.2 83.4 125.0

192 18.0 13.7 20.5

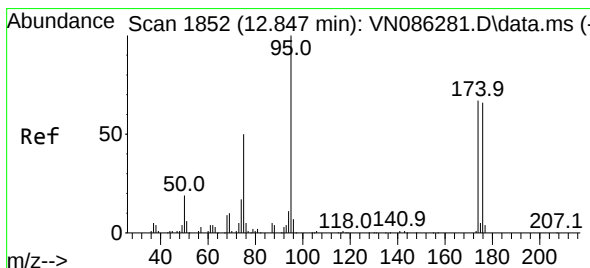
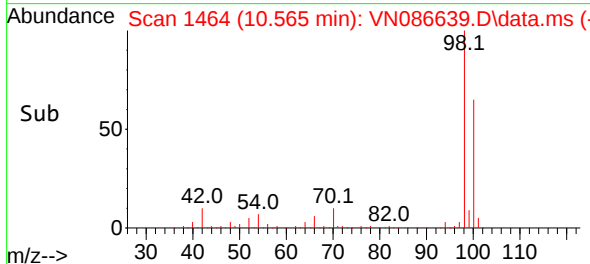
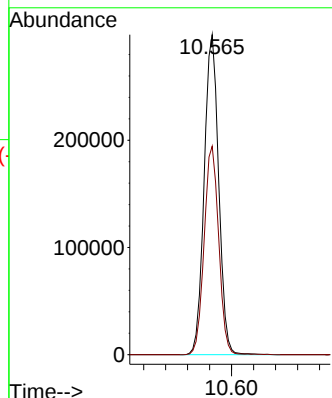
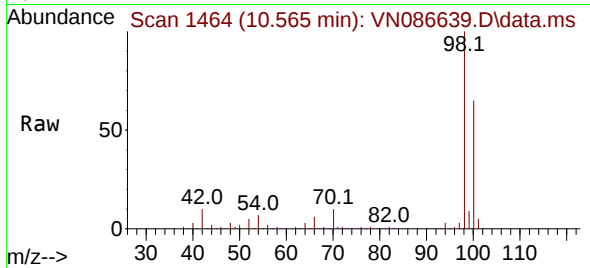




#50
Toluene-d8
Concen: 50.645 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

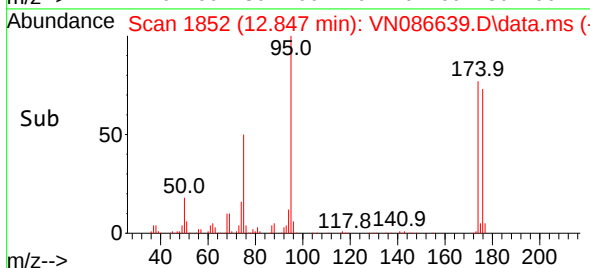
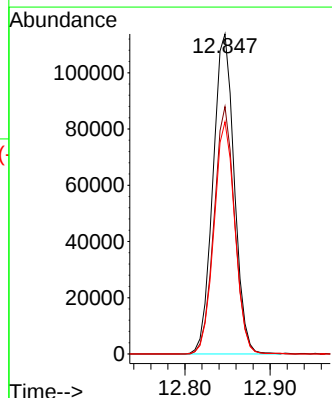
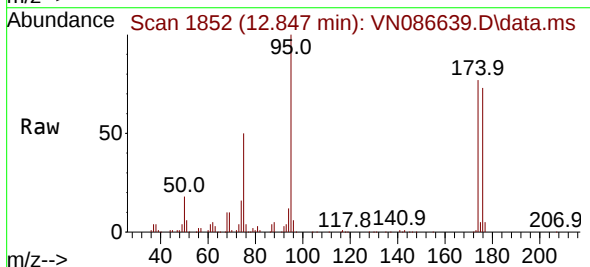
Instrument :
MSVOA_N
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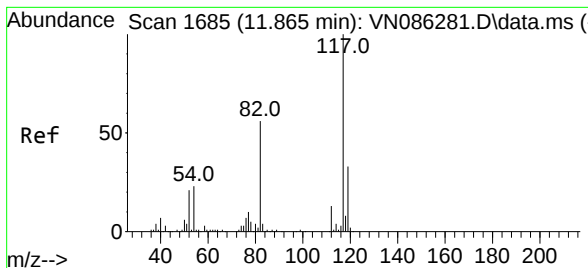
Tgt Ion: 98 Resp: 545842
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 50.172 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

Tgt Ion: 95 Resp: 197232
Ion Ratio Lower Upper
95 100
174 75.0 0.0 133.4
176 71.2 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.859 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN086639.D

Acq: 15 May 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

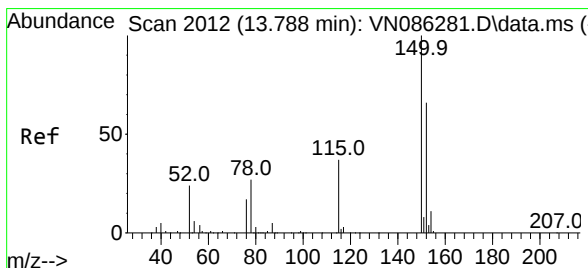
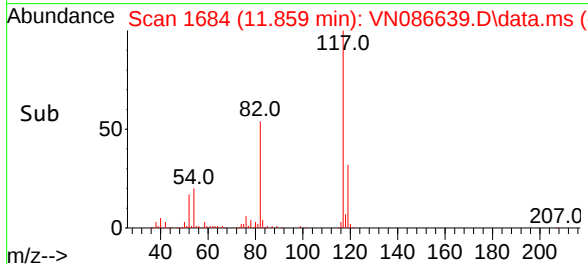
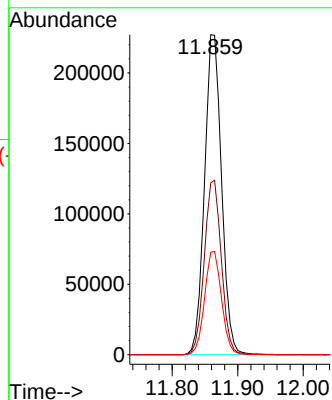
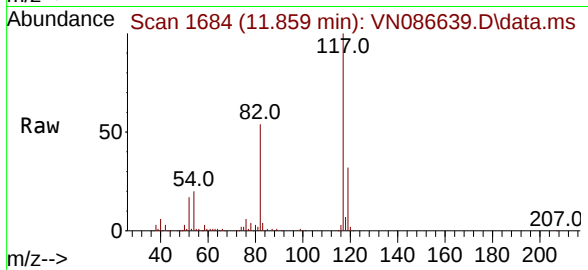
Tgt Ion:117 Resp: 410919

Ion Ratio Lower Upper

117 100

82 53.7 44.7 67.1

119 32.0 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: VN086639.D

Acq: 15 May 2025 12:46

Tgt Ion:152 Resp: 179228

Ion Ratio Lower Upper

152 100

115 60.3 31.9 95.9

150 158.9 0.0 352.0

