

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088453.D
 Acq On : 04 Dec 2025 17:50
 Operator : JC\MD
 Sample : Q3757-05 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14B-46-120325

Quant Time: Dec 05 00:19:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	203620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	472882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	450898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215587	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	213888	55.761	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.520%
35) Dibromofluoromethane	8.147	113	154039	47.005	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.020%
50) Toluene-d8	10.541	98	542411	44.485	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.960%
62) 4-Bromofluorobenzene	12.829	95	208527	49.843	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.680%

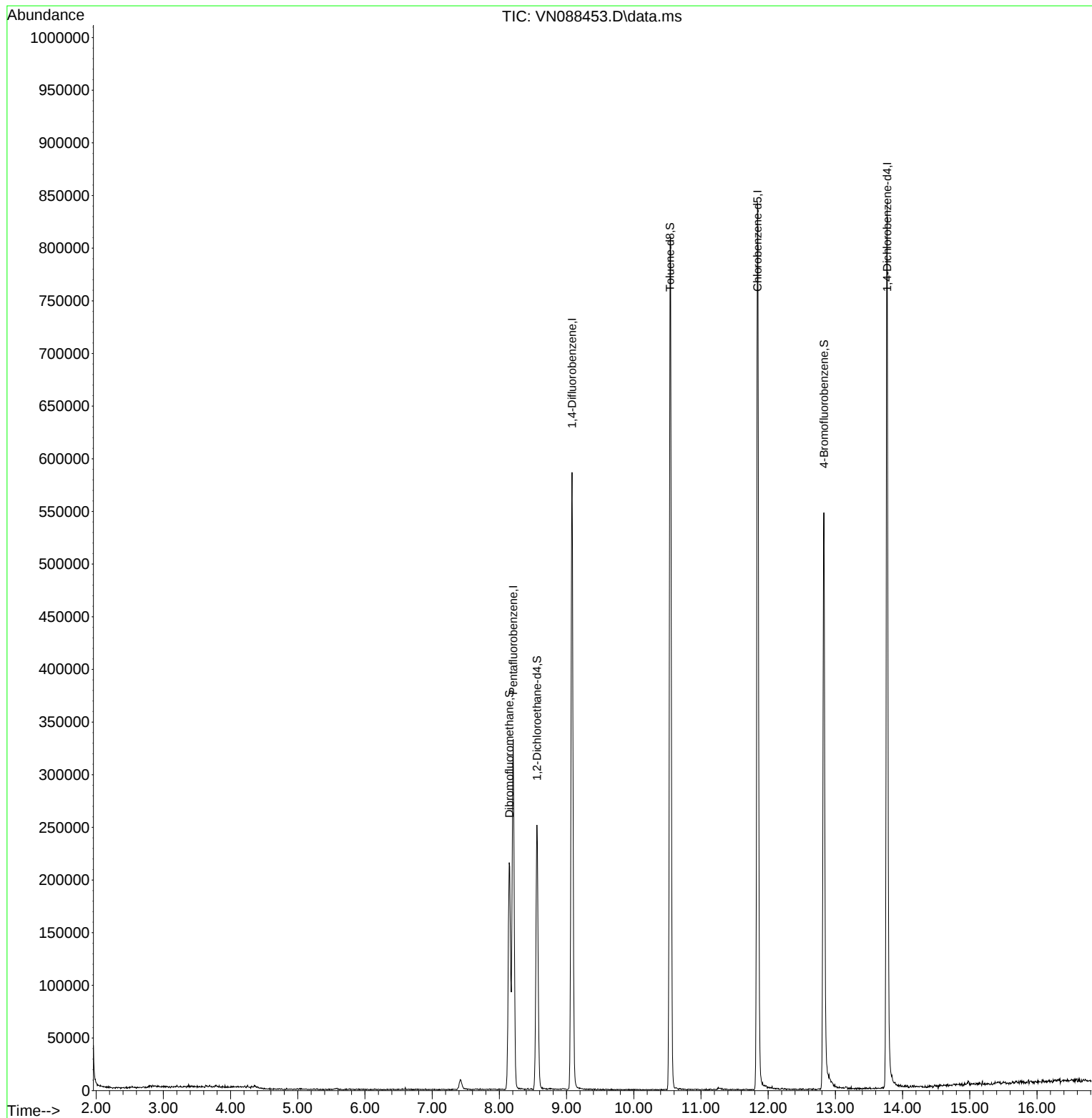
Target Compounds	Qvalue

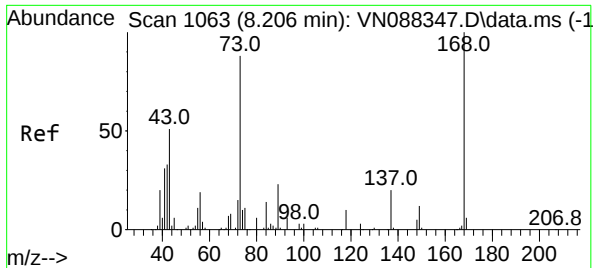
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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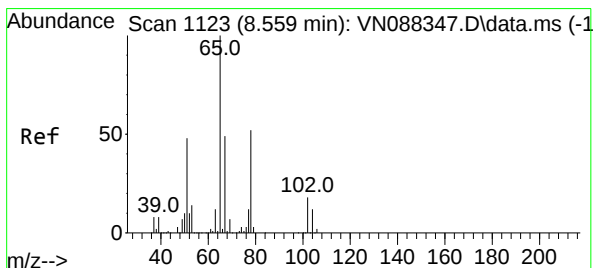
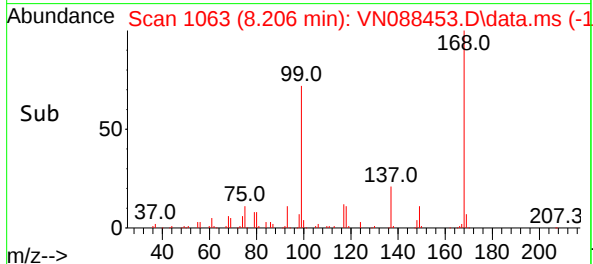
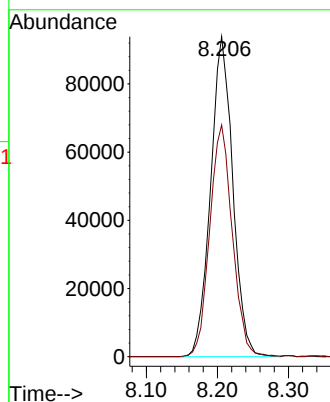
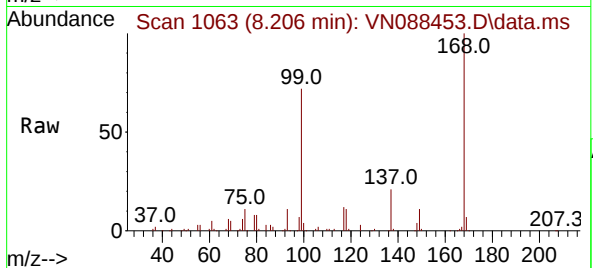




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

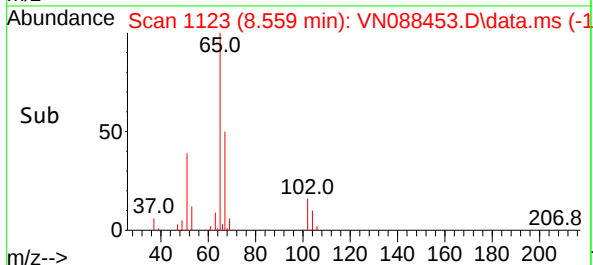
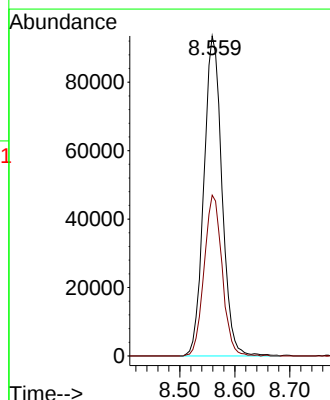
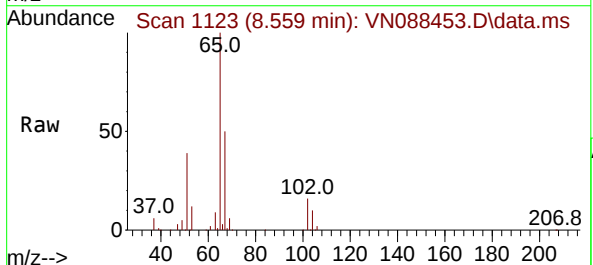
Instrument :
MSVOA_N
ClientSampleId :
MW-14B-46-120325

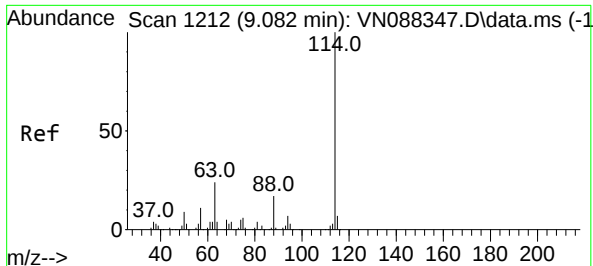
Tgt Ion:168 Resp: 203620
Ion Ratio Lower Upper
168 100
99 72.4 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 55.761 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

Tgt Ion: 65 Resp: 213888
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088453.D

Acq: 04 Dec 2025 17:50

Instrument :

MSVOA_N

ClientSampleId :

MW-14B-46-120325

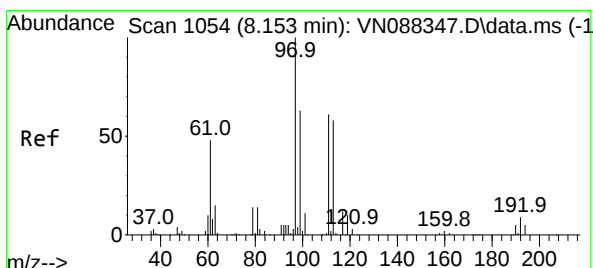
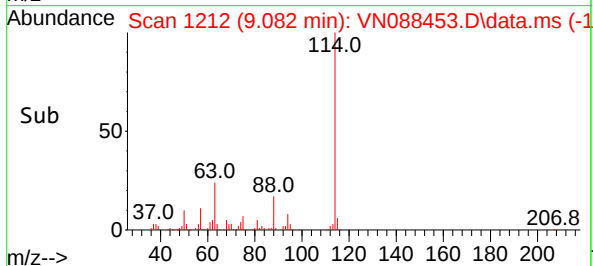
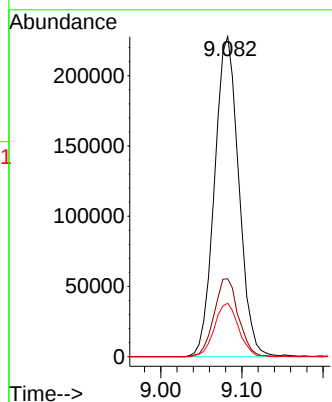
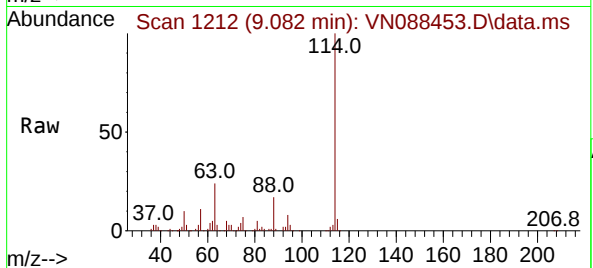
Tgt Ion:114 Resp: 472882

Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.0

88 16.7 0.0 34.0



#35

Dibromofluoromethane

Concen: 47.005 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088453.D

Acq: 04 Dec 2025 17:50

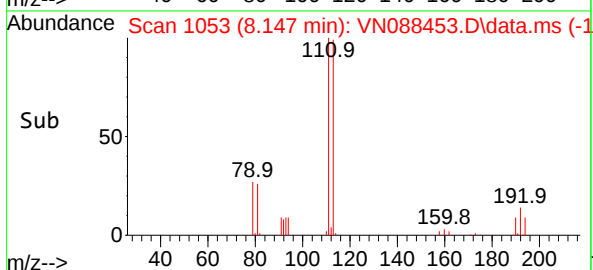
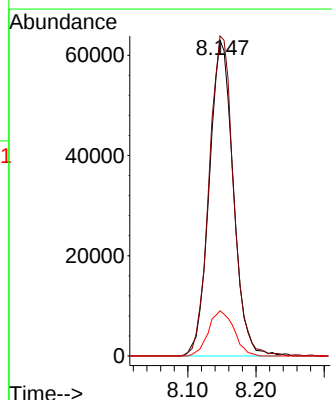
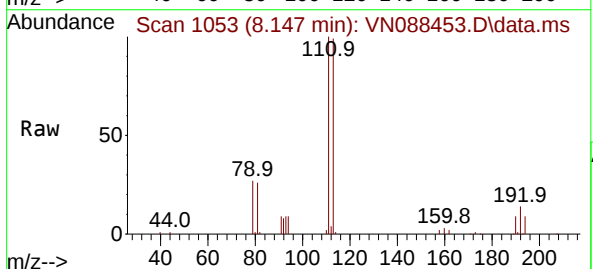
Tgt Ion:113 Resp: 154039

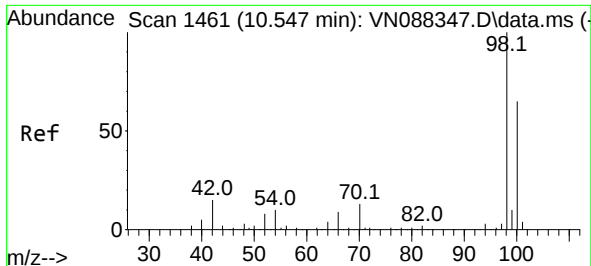
Ion Ratio Lower Upper

113 100

111 102.8 82.5 123.7

192 15.2 12.8 19.2

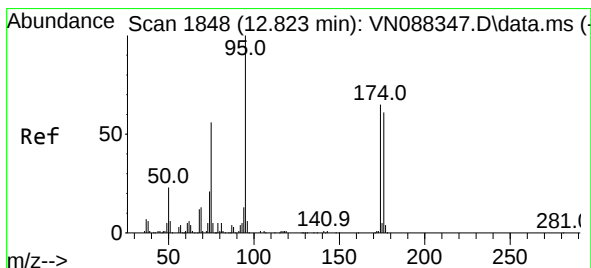
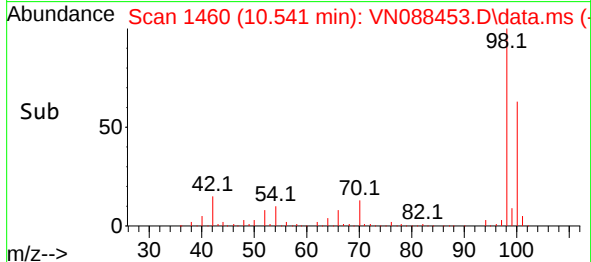
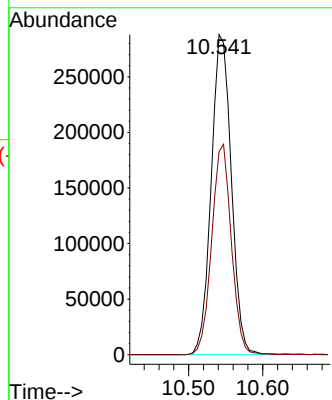
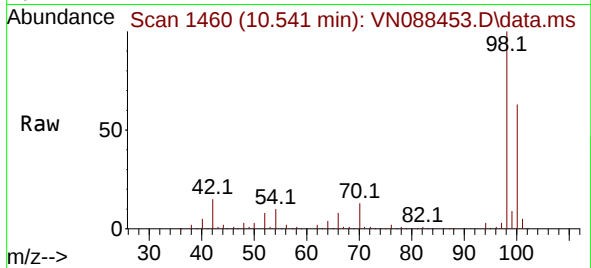




#50
Toluene-d8
Concen: 44.485 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

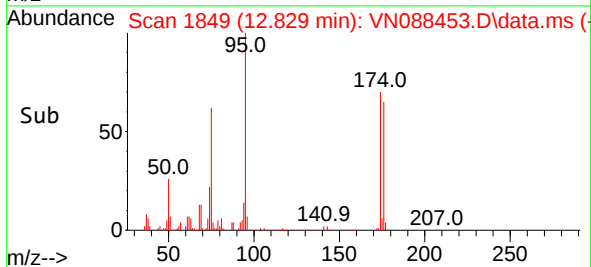
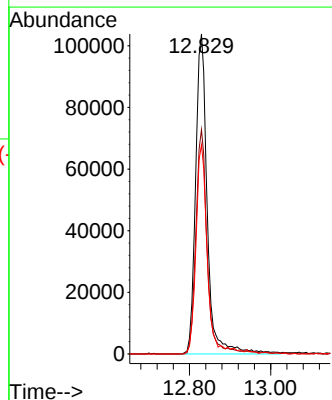
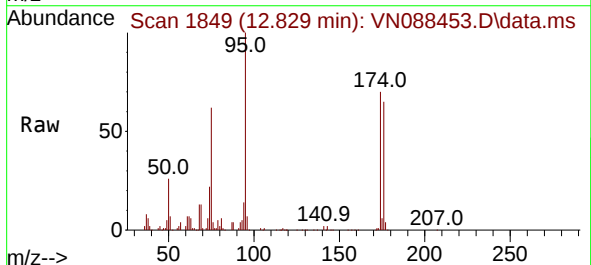
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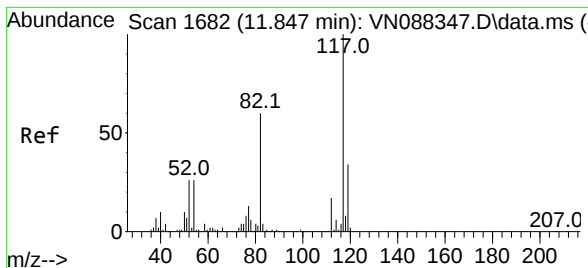
Tgt Ion: 98 Resp: 542411
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 49.843 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

Tgt Ion: 95 Resp: 208527
Ion Ratio Lower Upper
95 100
174 67.1 0.0 139.0
176 63.3 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088453.D

Acq: 04 Dec 2025 17:50

Instrument :

MSVOA_N

ClientSampleId :

MW-14B-46-120325

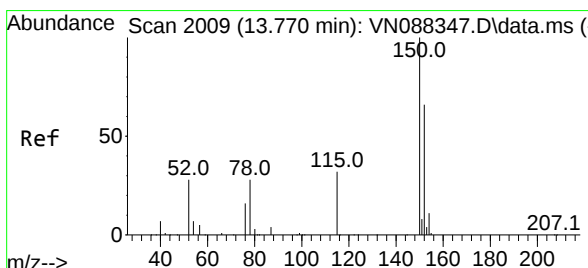
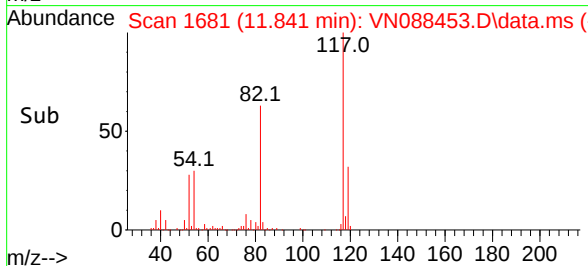
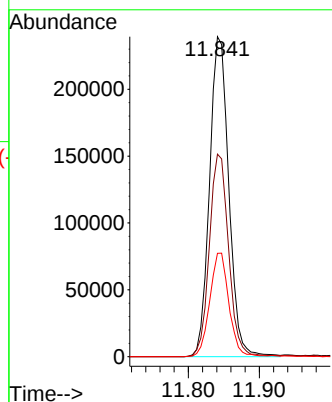
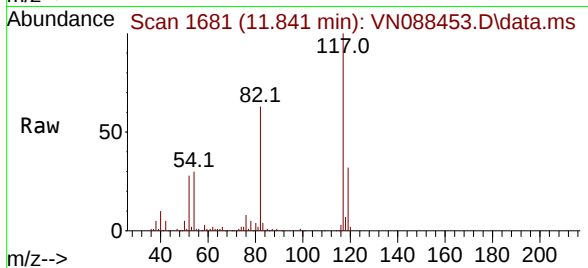
Tgt Ion:117 Resp: 450898

Ion Ratio Lower Upper

117 100

82 63.3 47.8 71.8

119 32.3 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088453.D

Acq: 04 Dec 2025 17:50

Tgt Ion:152 Resp: 215587

Ion Ratio Lower Upper

152 100

115 65.0 33.0 98.9

150 159.5 0.0 349.0

