

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088427.D
 Acq On : 03 Dec 2025 14:34
 Operator : JC\MD
 Sample : Q3756-07 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13B-47.5-120225

Quant Time: Dec 04 00:19:15 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	193403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	460083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	460418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	220285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	235406	64.613	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 129.220%#	
35) Dibromofluoromethane	8.147	113	168584	52.875	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.740%	
50) Toluene-d8	10.547	98	567926	47.873	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.740%	
62) 4-Bromofluorobenzene	12.829	95	210362	51.680	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.360%	

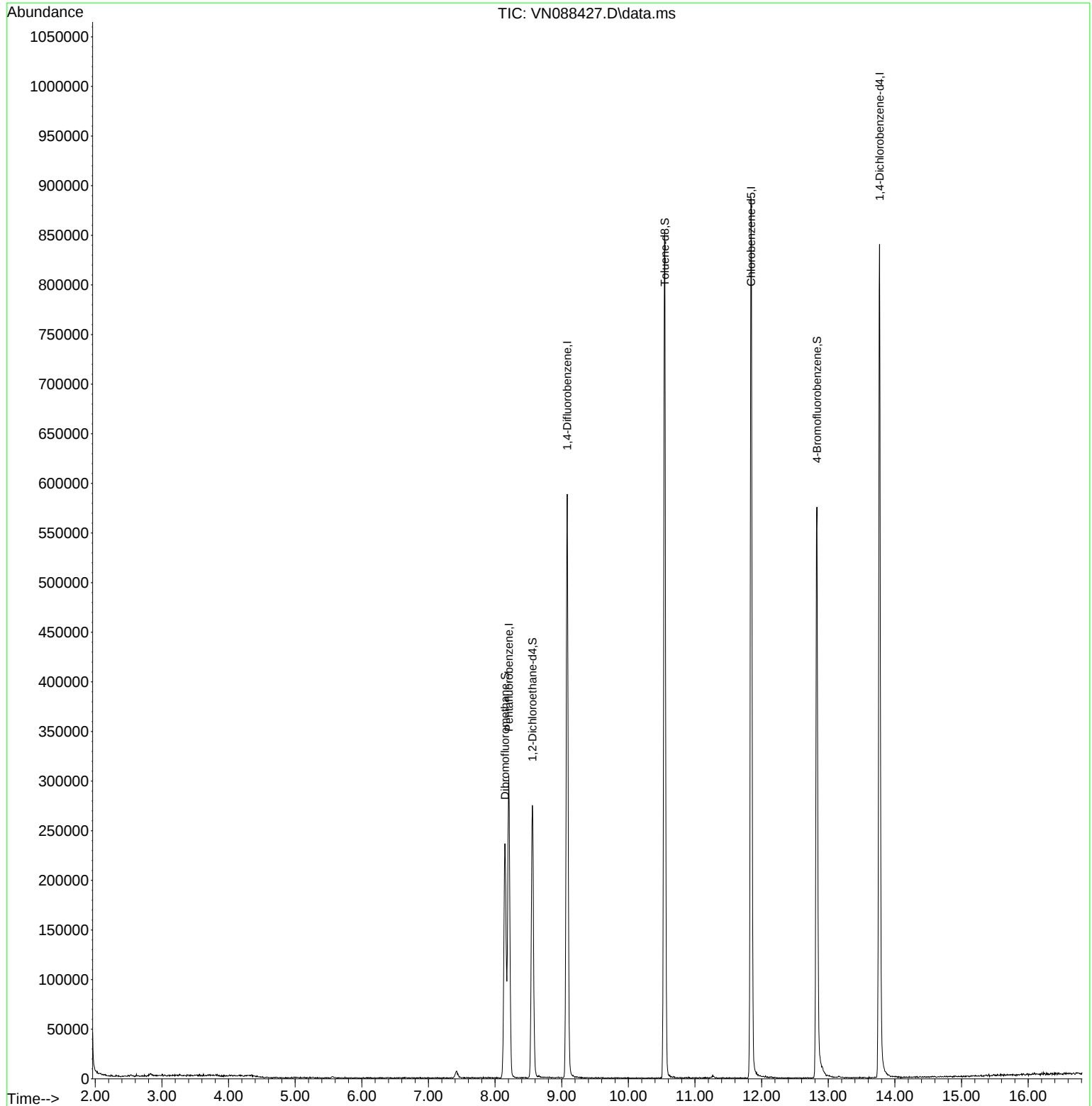
Target Compounds Qvalue

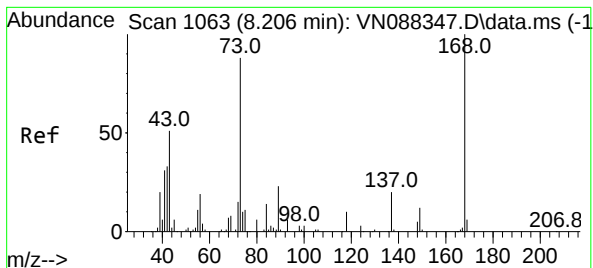
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN088427.D

Acq: 03 Dec 2025 14:34

Instrument :

MSVOA_N

ClientSampleId :

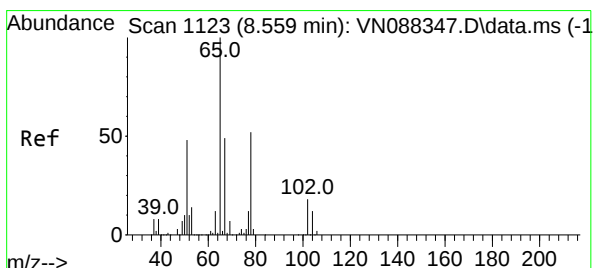
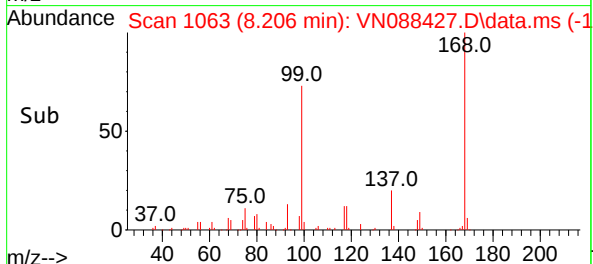
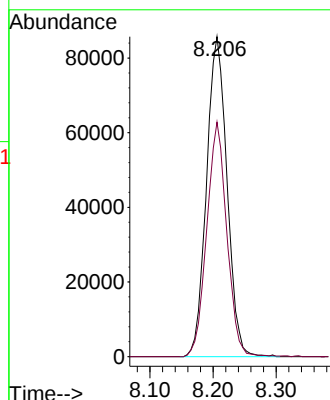
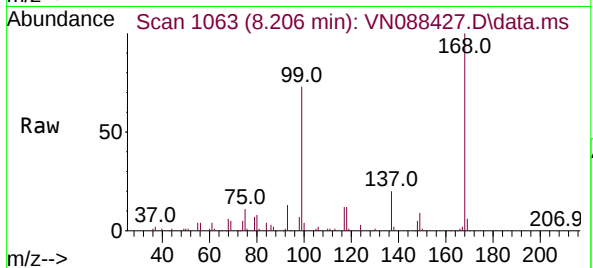
MW-13B-47.5-120225

Tgt Ion:168 Resp: 193403

Ion Ratio Lower Upper

168 100

99 73.3 57.1 85.7



#33

1,2-Dichloroethane-d4

Concen: 64.613 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088427.D

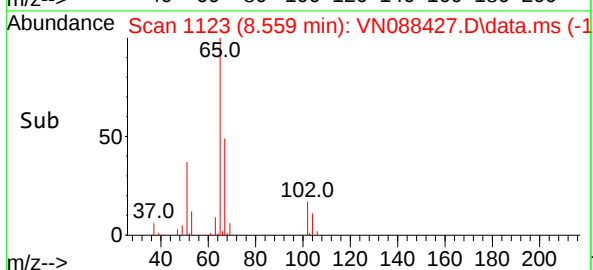
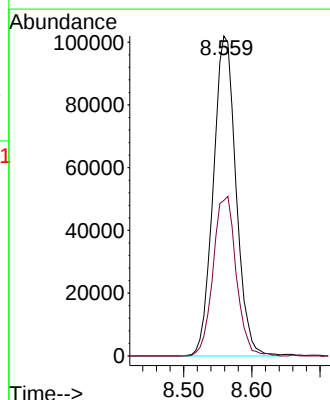
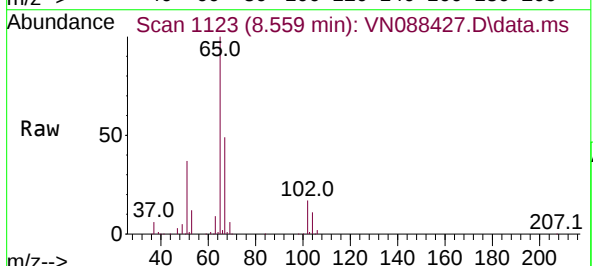
Acq: 03 Dec 2025 14:34

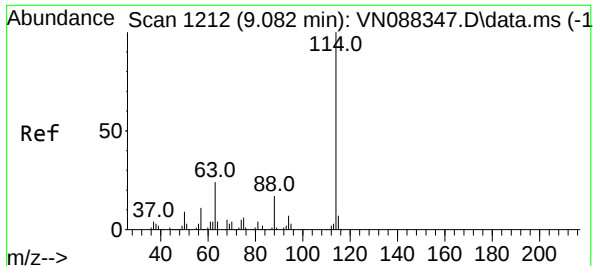
Tgt Ion: 65 Resp: 235406

Ion Ratio Lower Upper

65 100

67 50.7 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088427.D

Acq: 03 Dec 2025 14:34

Instrument :

MSVOA_N

ClientSampleId :

MW-13B-47.5-120225

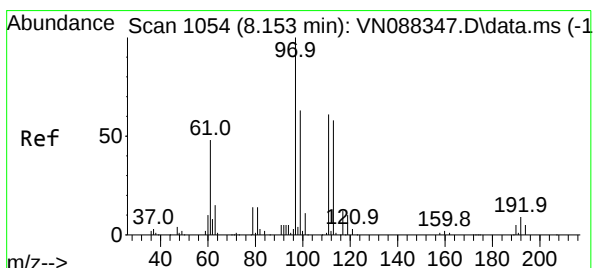
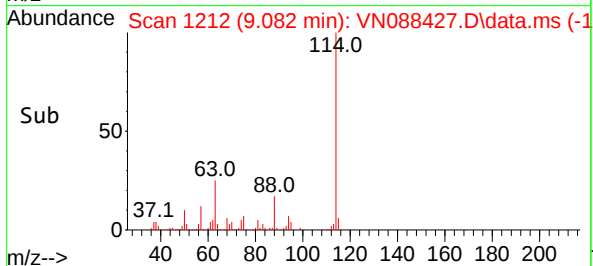
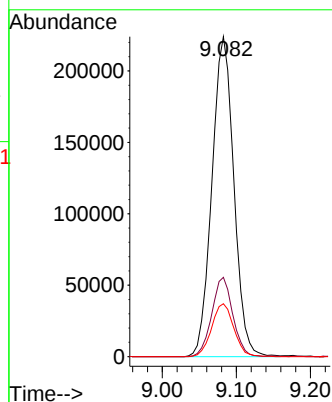
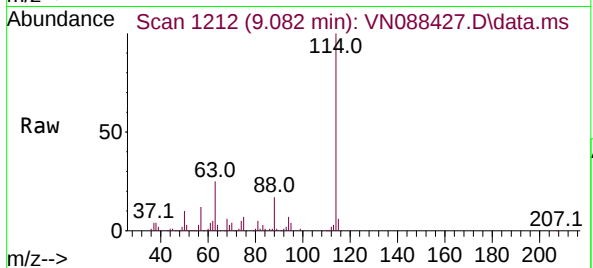
Tgt Ion:114 Resp: 460083

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.0

88 16.5 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.875 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088427.D

Acq: 03 Dec 2025 14:34

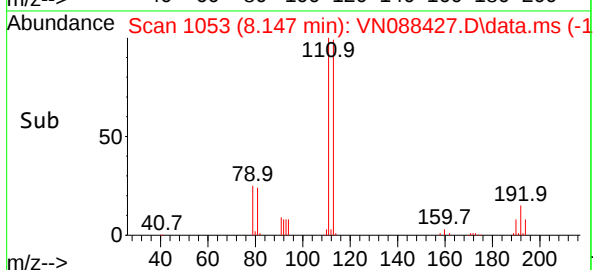
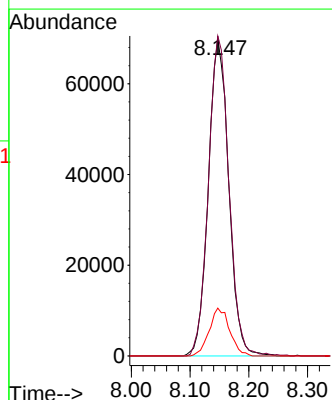
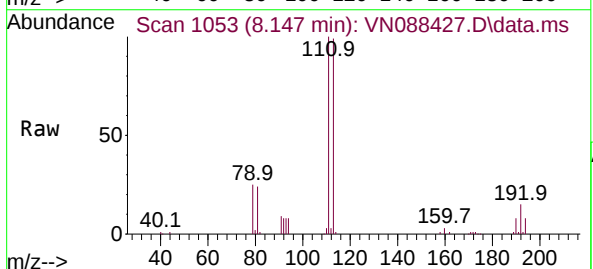
Tgt Ion:113 Resp: 168584

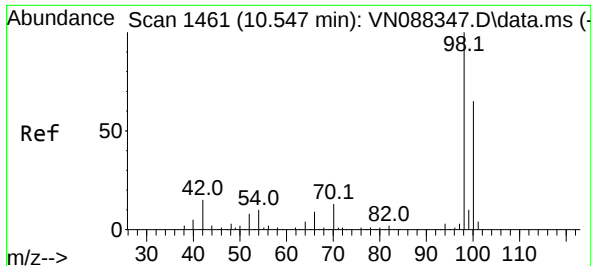
Ion Ratio Lower Upper

113 100

111 101.4 82.5 123.7

192 15.1 12.8 19.2

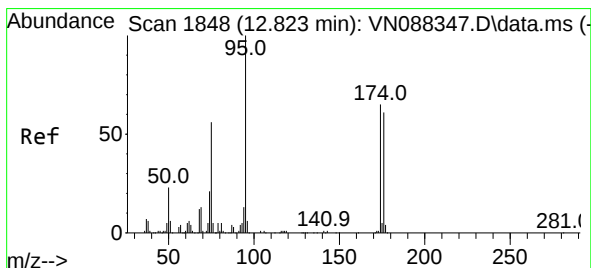
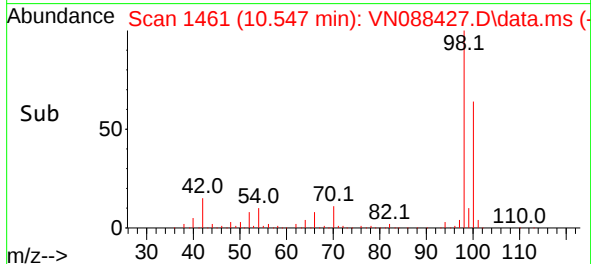
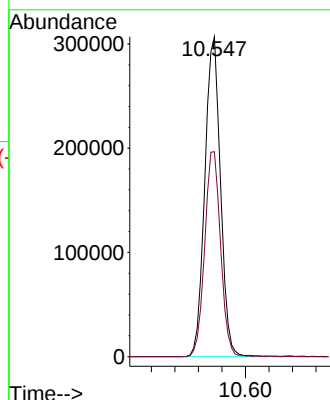
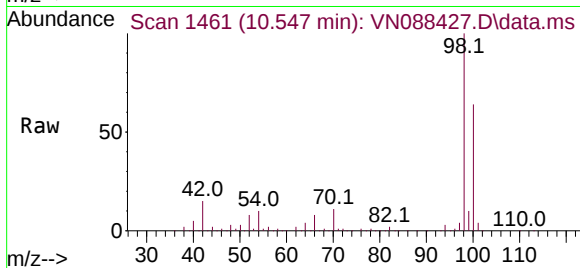




#50
Toluene-d8
Concen: 47.873 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

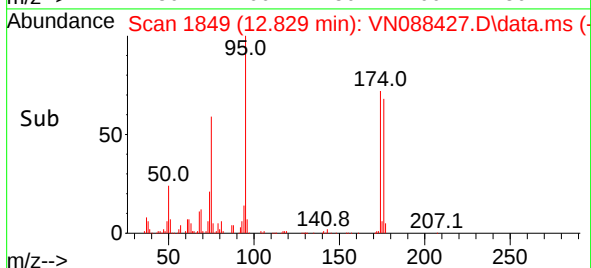
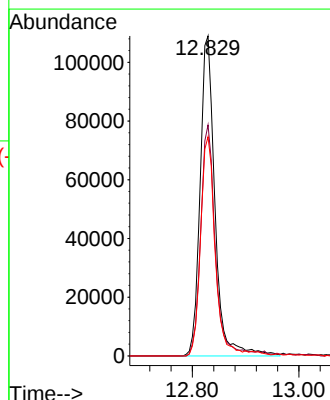
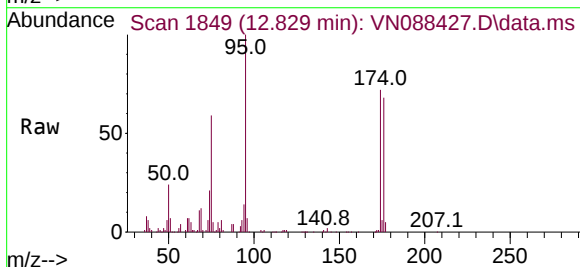
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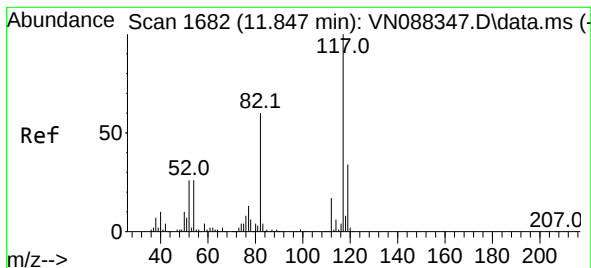
Tgt Ion: 98 Resp: 567926
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 51.680 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

Tgt Ion: 95 Resp: 210362
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.0
176 68.4 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1682

Delta R.T. -0.006 min

Lab File: VN088427.D

Acq: 03 Dec 2025 14:34

Instrument :

MSVOA_N

ClientSampleId :

MW-13B-47.5-120225

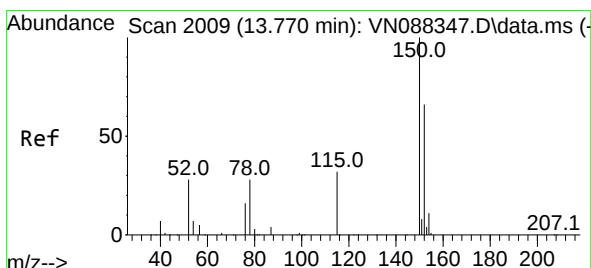
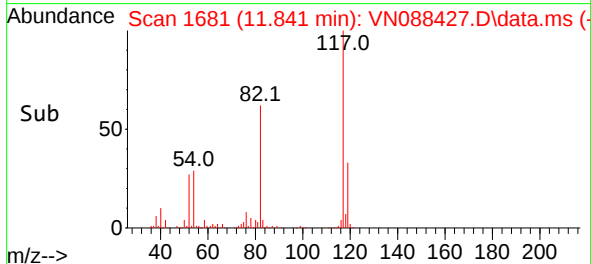
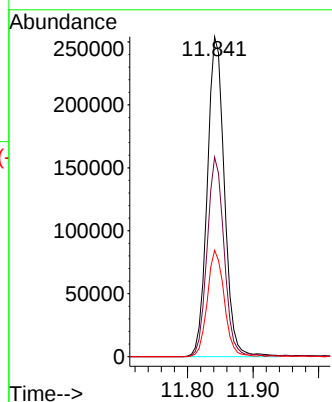
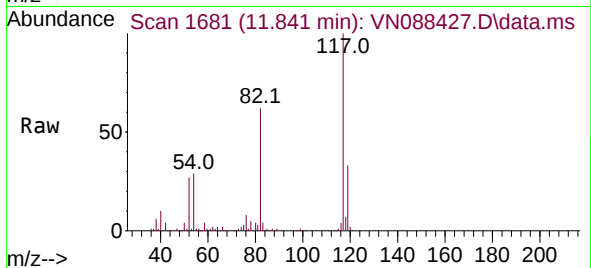
Tgt Ion:117 Resp: 460418

Ion Ratio Lower Upper

117 100

82 62.3 47.8 71.8

119 33.2 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: VN088427.D

Acq: 03 Dec 2025 14:34

Tgt Ion:152 Resp: 220285

Ion Ratio Lower Upper

152 100

115 65.3 33.0 98.9

150 159.0 0.0 349.0

