

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088448.D
 Acq On : 04 Dec 2025 16:07
 Operator : JC\MD
 Sample : Q3756-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Dec 05 00:17:34 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	206071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	471902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	469221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	222578	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	216155	55.682	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.360%
35) Dibromofluoromethane	8.147	113	154264	47.172	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.340%
50) Toluene-d8	10.547	98	550181	45.216	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.440%
62) 4-Bromofluorobenzene	12.829	95	211464	50.650	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.300%

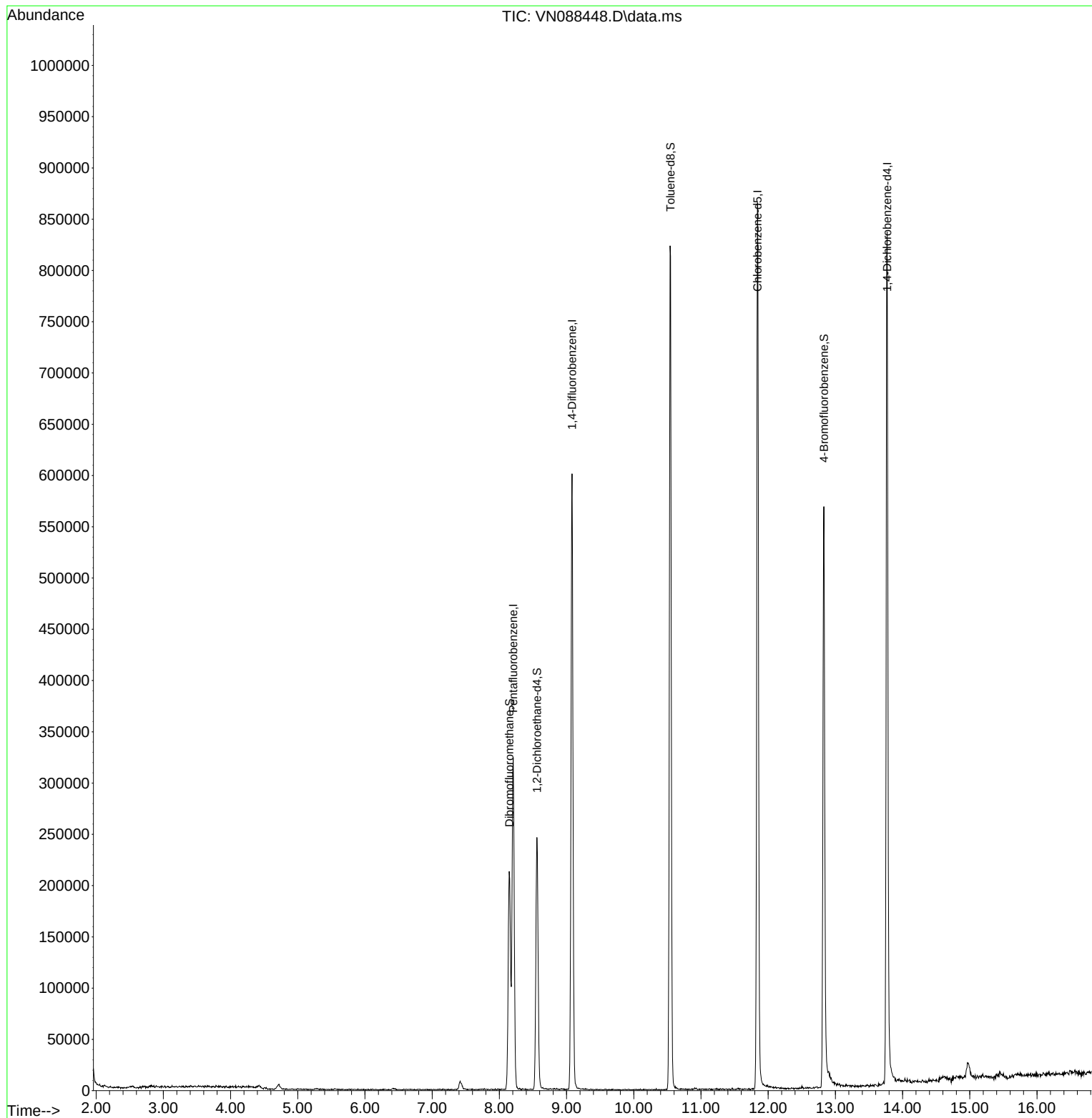
Target Compounds	Qvalue

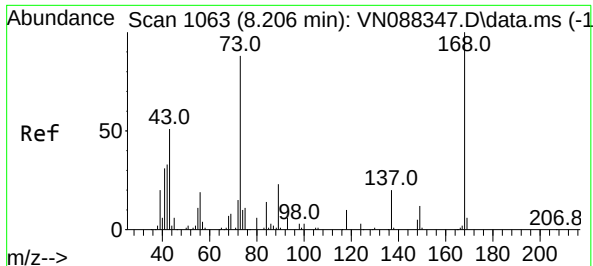
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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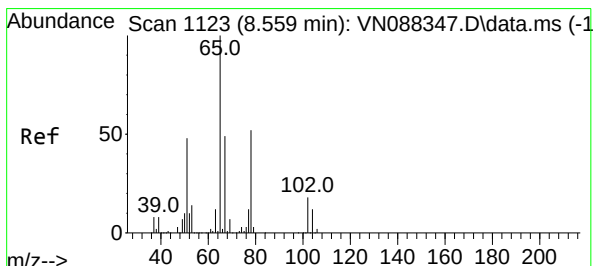
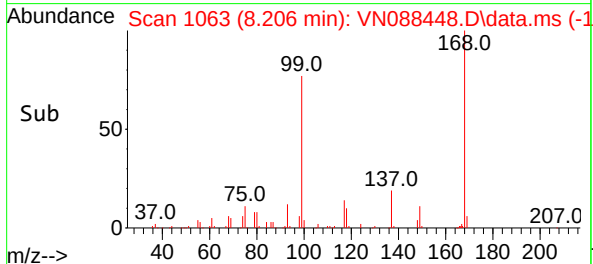
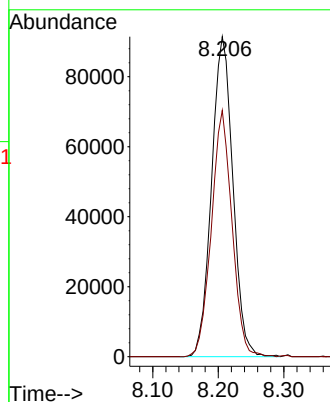
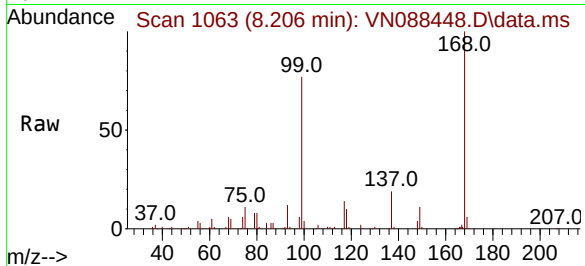




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088448.D
Acq: 04 Dec 2025 16:07

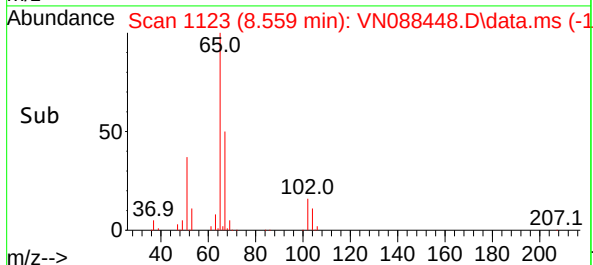
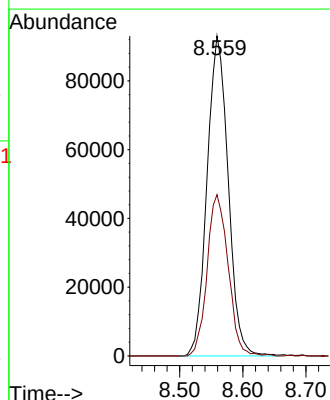
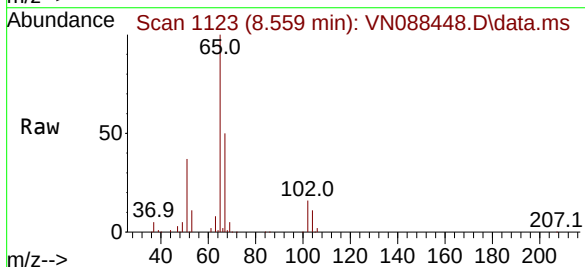
Instrument :
MSVOA_N
ClientSampleId :
MW-13B-47.5-120225

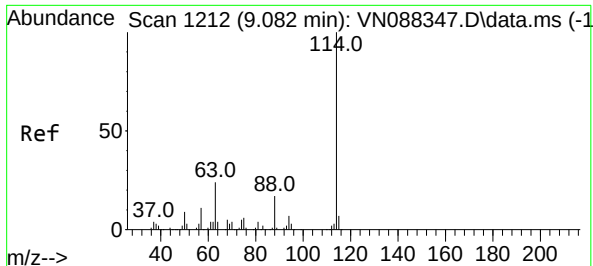
Tgt Ion:168 Resp: 206071
Ion Ratio Lower Upper
168 100
99 76.9 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 55.682 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088448.D
Acq: 04 Dec 2025 16:07

Tgt Ion: 65 Resp: 216155
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

MW-13B-47.5-120225

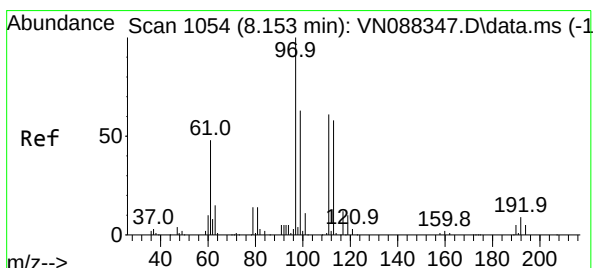
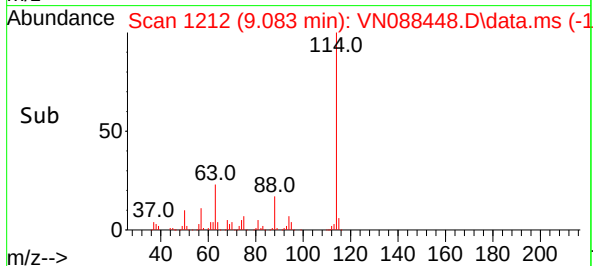
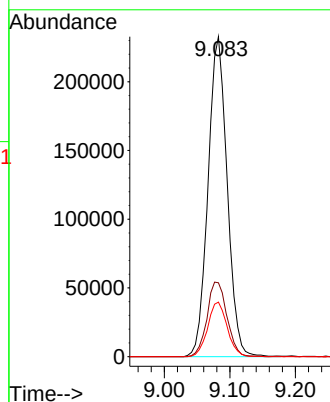
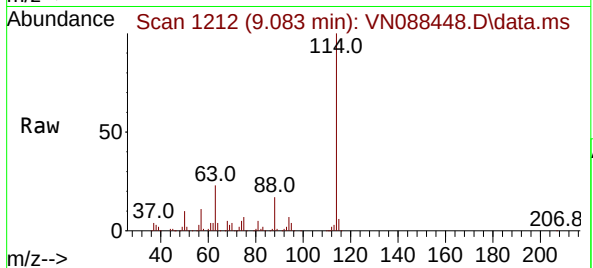
Tgt Ion:114 Resp: 471902

Ion Ratio Lower Upper

114 100

63 23.1 0.0 49.0

88 17.1 0.0 34.0



#35

Dibromofluoromethane

Concen: 47.172 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

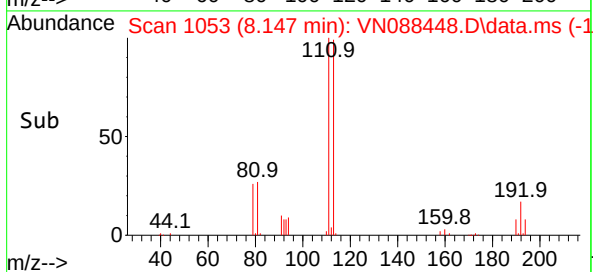
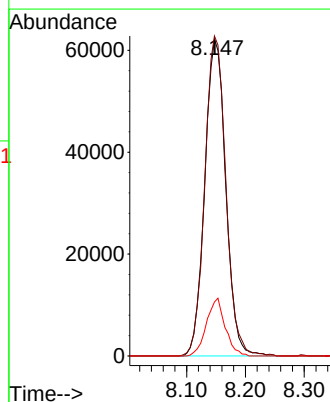
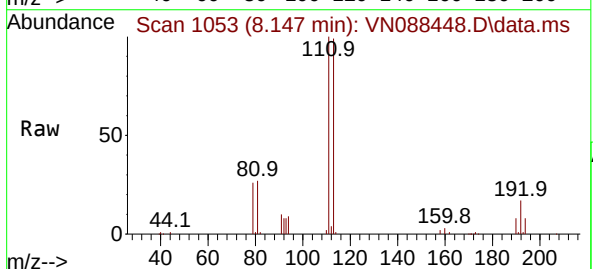
Tgt Ion:113 Resp: 154264

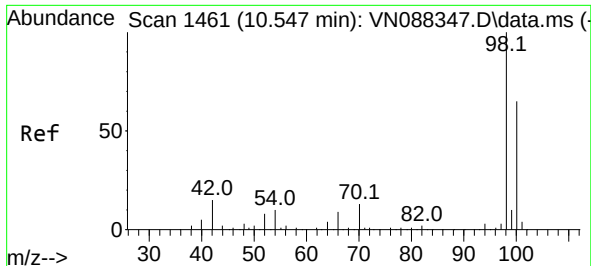
Ion Ratio Lower Upper

113 100

111 101.4 82.5 123.7

192 16.3 12.8 19.2

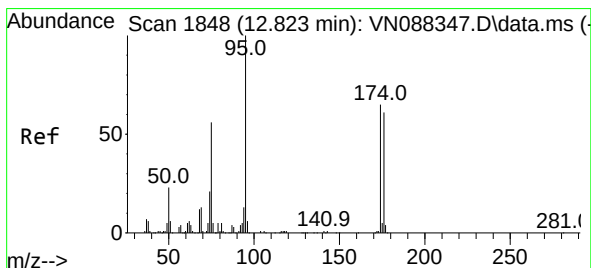
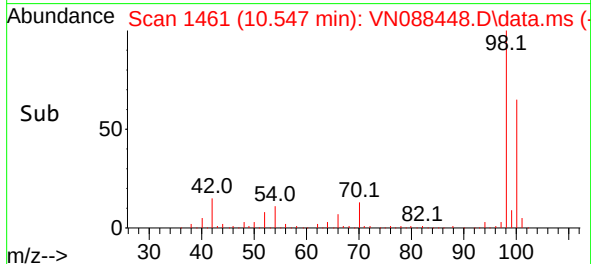
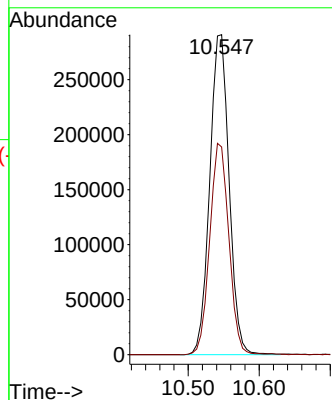
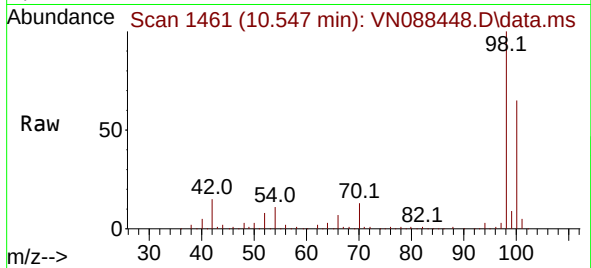




#50
Toluene-d8
Concen: 45.216 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088448.D
Acq: 04 Dec 2025 16:07

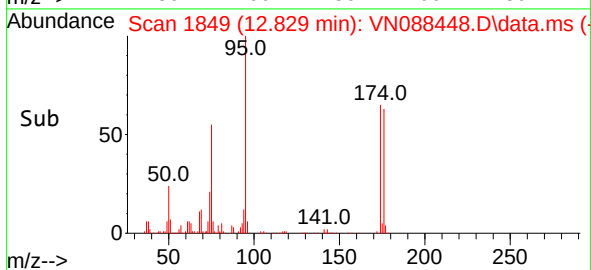
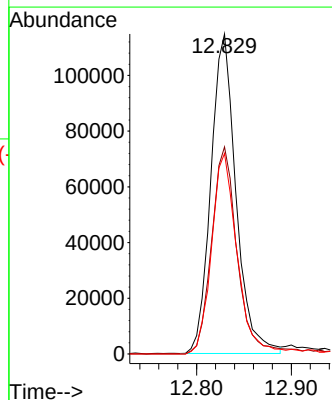
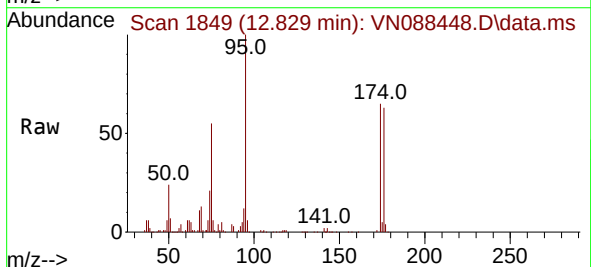
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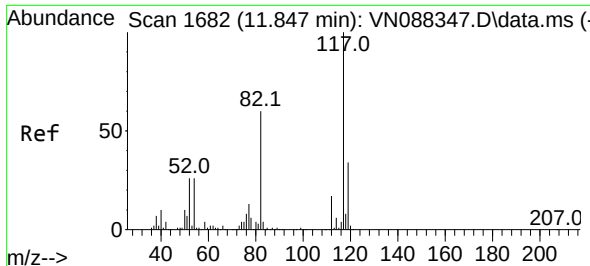
Tgt Ion: 98 Resp: 550181
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 50.650 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088448.D
Acq: 04 Dec 2025 16:07

Tgt Ion: 95 Resp: 211464
Ion Ratio Lower Upper
95 100
174 68.3 0.0 139.0
176 64.1 0.0 132.4

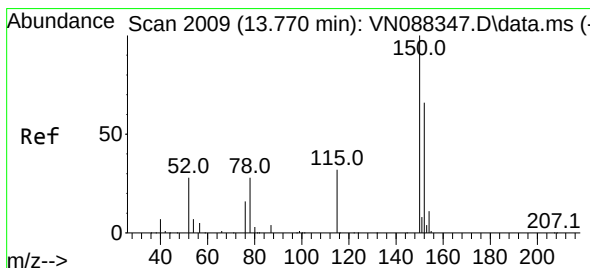
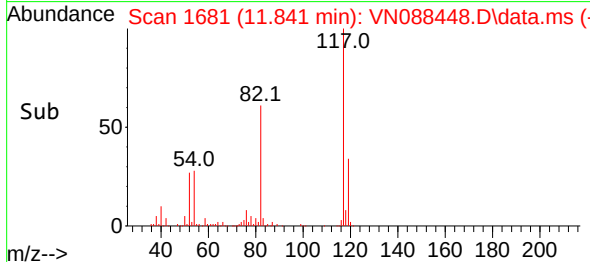
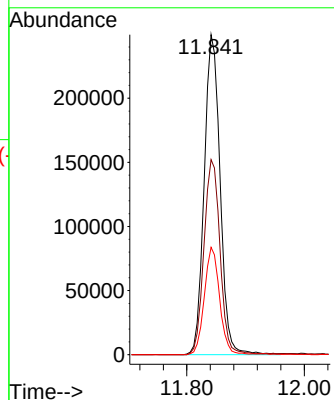
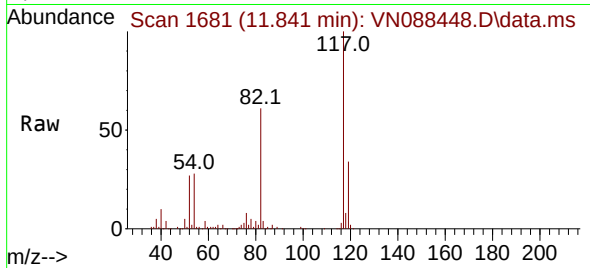




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088448.D
Acq: 04 Dec 2025 16:07

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

Tgt Ion:117 Resp: 469221
Ion Ratio Lower Upper
117 100
82 60.9 47.8 71.8
119 33.5 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: VN088448.D
Acq: 04 Dec 2025 16:07

Tgt Ion:152 Resp: 222578
Ion Ratio Lower Upper
152 100
115 67.9 33.0 98.9
150 157.1 0.0 349.0

