

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088451.D
 Acq On : 04 Dec 2025 17:09
 Operator : JC\MD
 Sample : Q3757-01 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14A-17.5-120325

Quant Time: Dec 05 00:18:28 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	203888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	466381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	458828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	216202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	210028	54.683	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.360%	
35) Dibromofluoromethane	8.153	113	146713	45.394	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 90.780%	
50) Toluene-d8	10.541	98	532452	44.277	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 88.560%	
62) 4-Bromofluorobenzene	12.829	95	199907	48.448	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.900%	

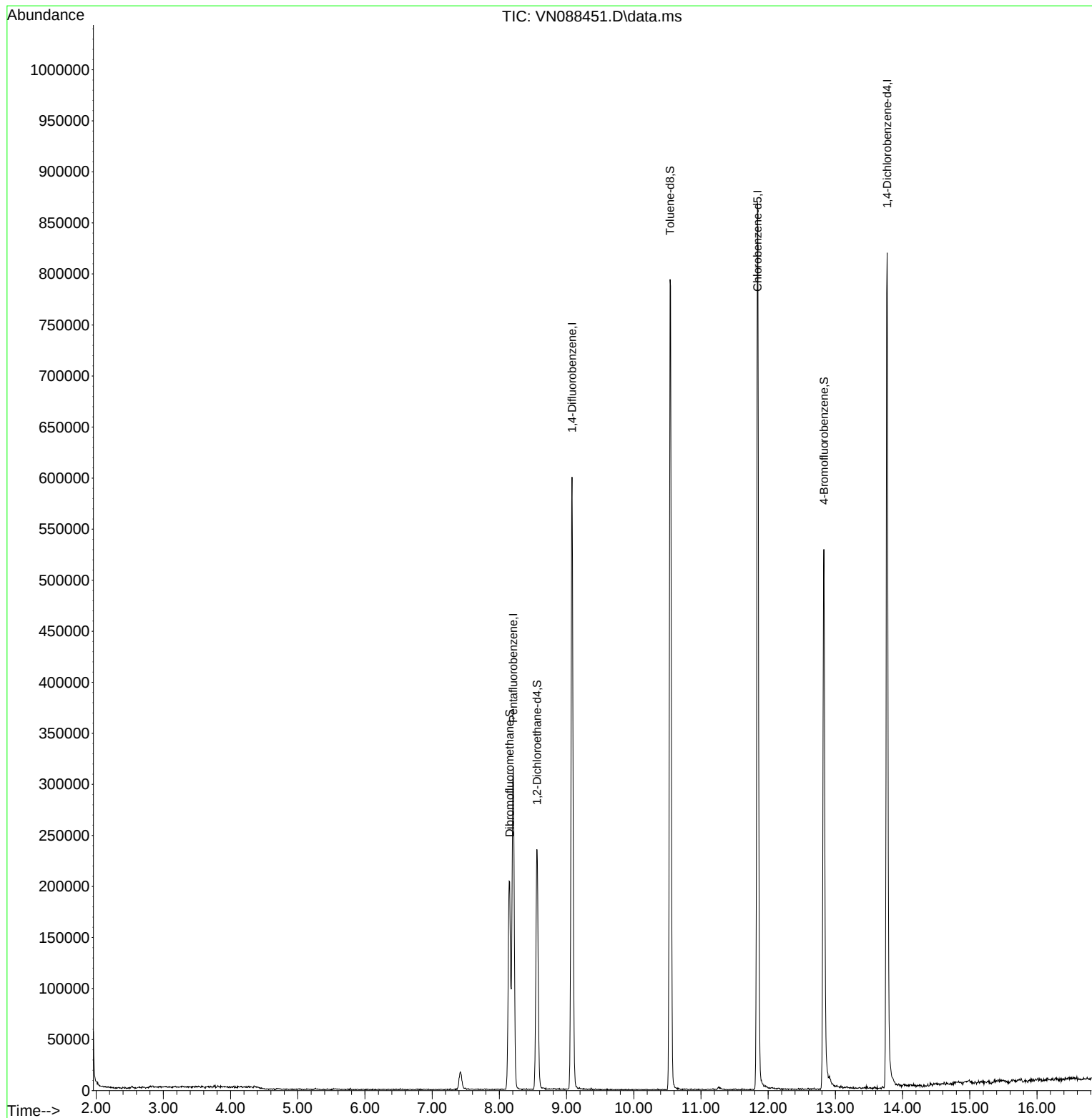
Target Compounds	Qvalue

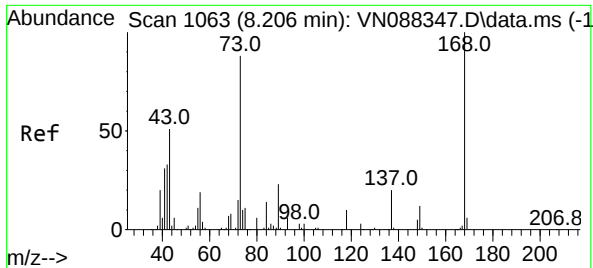
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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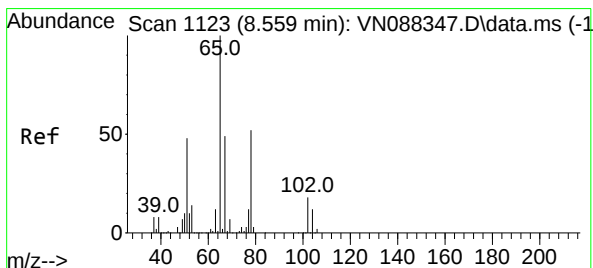
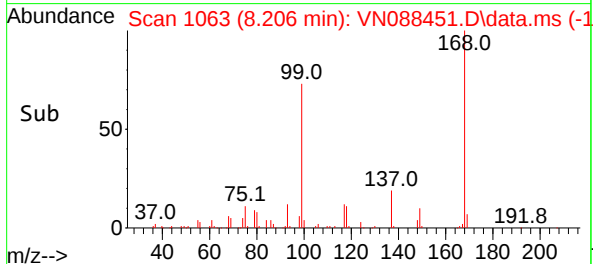
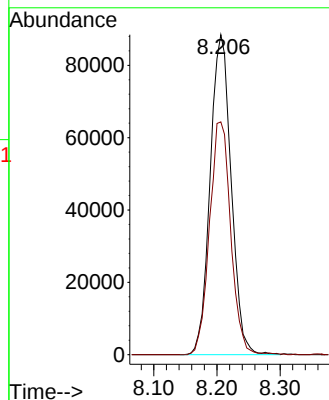
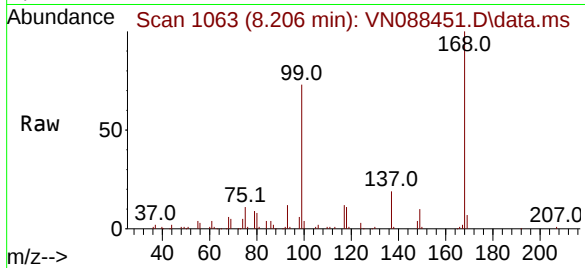




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

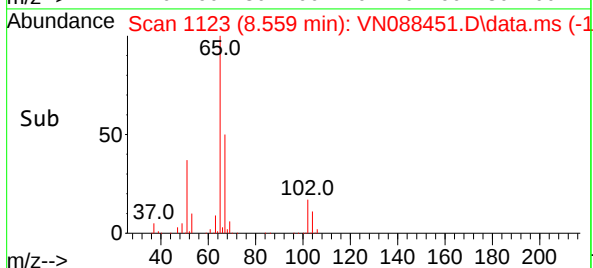
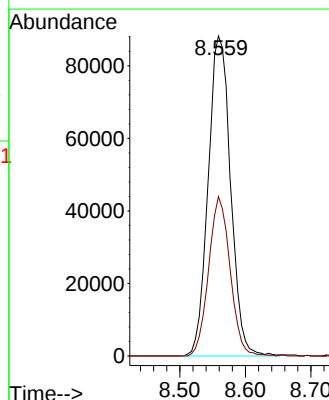
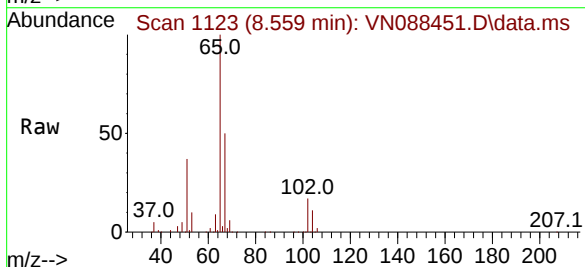
Instrument :
MSVOA_N
ClientSampleId :
MW-14A-17.5-120325

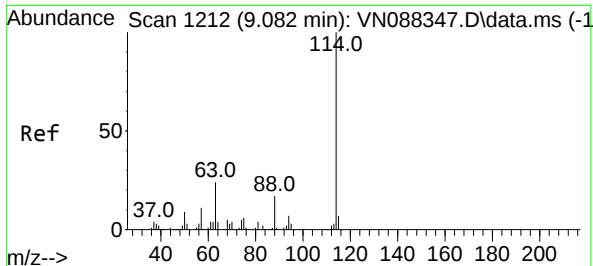
Tgt Ion:168 Resp: 203888
Ion Ratio Lower Upper
168 100
99 72.7 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 54.683 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

Tgt Ion: 65 Resp: 210028
Ion Ratio Lower Upper
65 100
67 47.7 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: VN088451.D

Acq: 04 Dec 2025 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-14A-17.5-120325

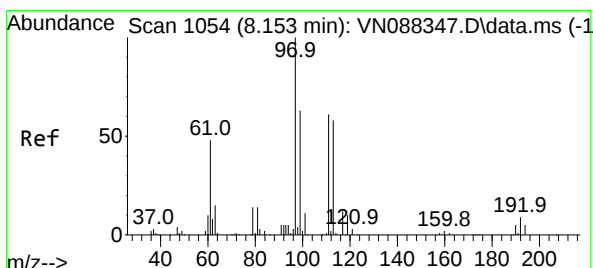
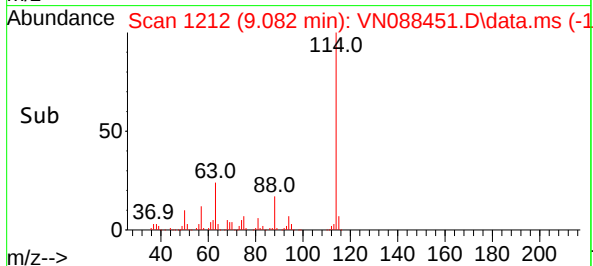
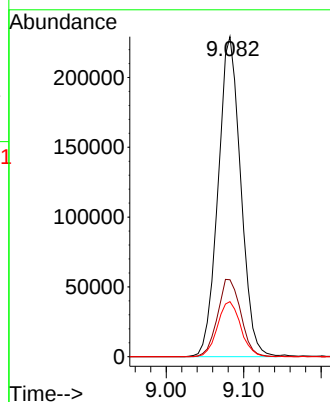
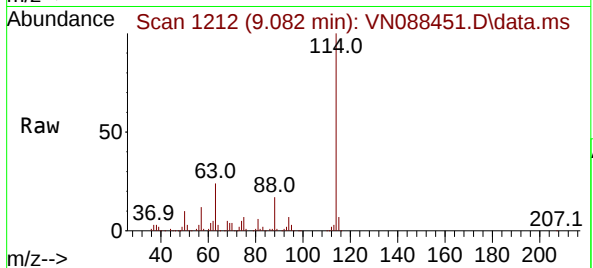
Tgt Ion:114 Resp: 466381

Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.0

88 17.2 0.0 34.0



#35

Dibromofluoromethane

Concen: 45.394 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088451.D

Acq: 04 Dec 2025 17:09

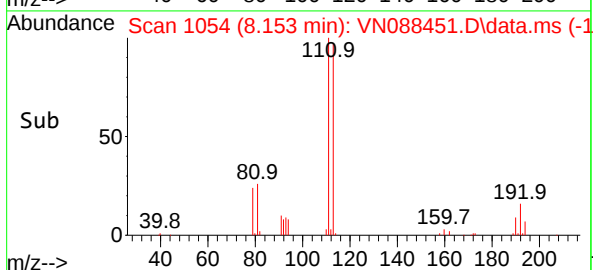
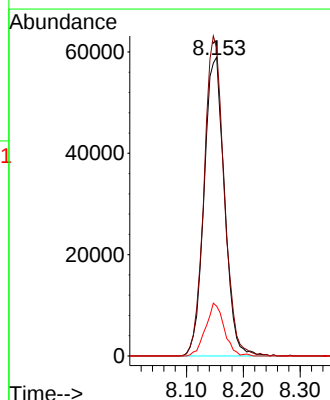
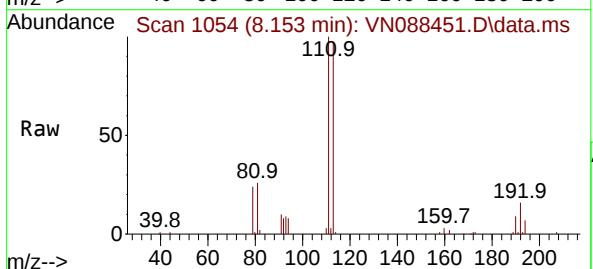
Tgt Ion:113 Resp: 146713

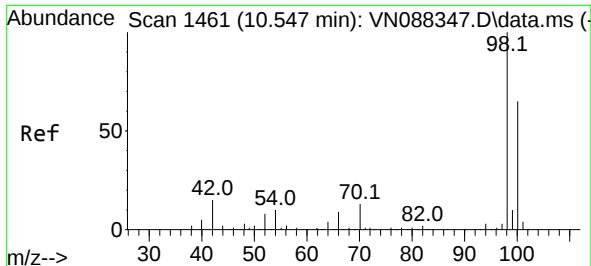
Ion Ratio Lower Upper

113 100

111 105.1 82.5 123.7

192 16.1 12.8 19.2

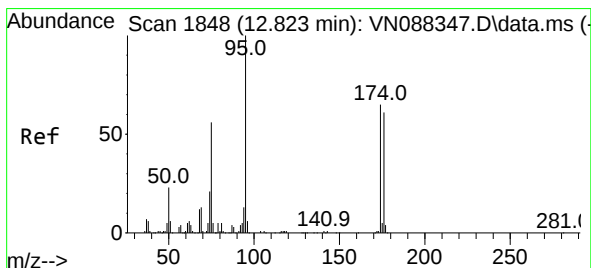
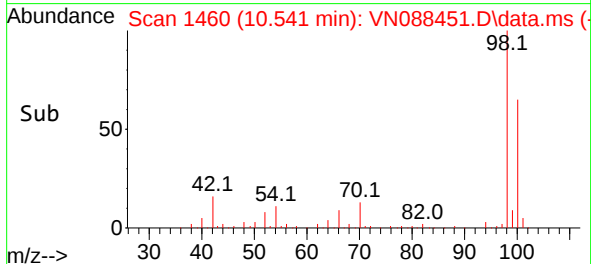
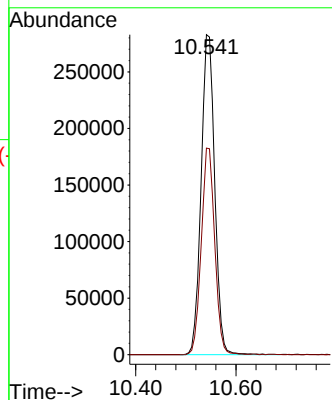
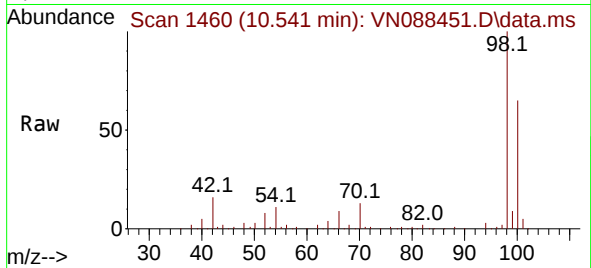




#50
Toluene-d8
Concen: 44.277 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

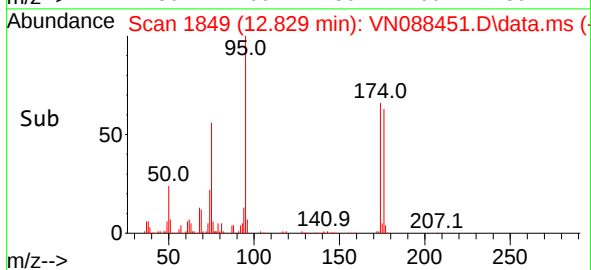
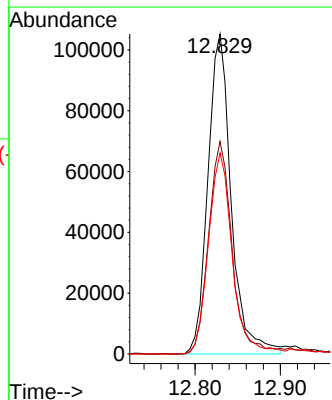
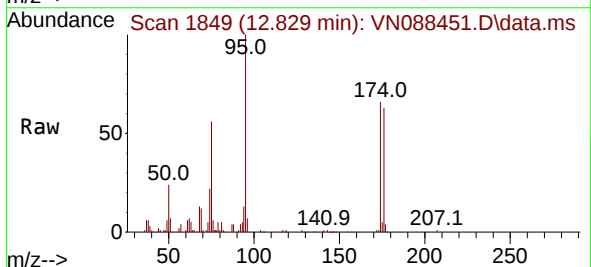
Instrument :
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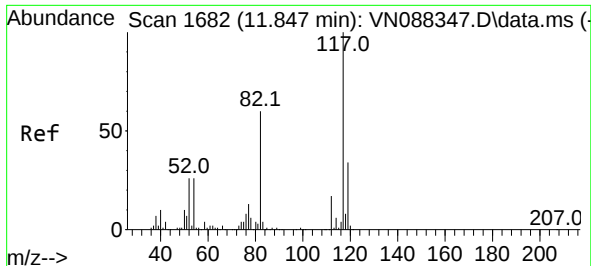
Tgt Ion: 98 Resp: 532452
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 48.448 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

Tgt Ion: 95 Resp: 199907
Ion Ratio Lower Upper
95 100
174 68.2 0.0 139.0
176 64.0 0.0 132.4

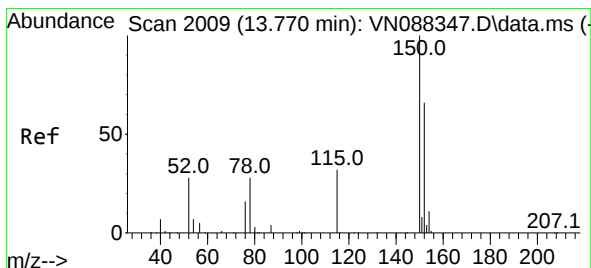
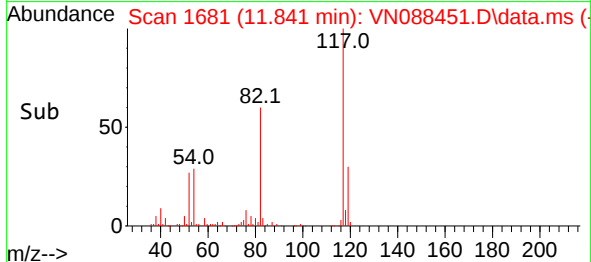
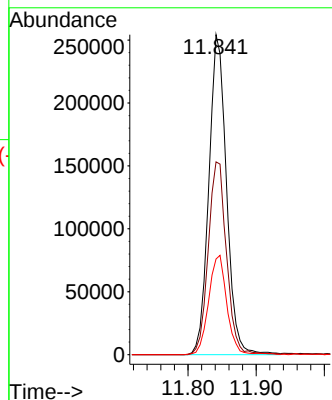
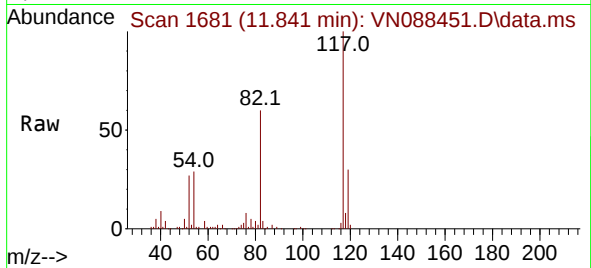




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

Instrument :
MSVOA_N
ClientSampleId :
MW-14A-17.5-120325

Tgt Ion:117 Resp: 458828
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 29.9 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: VN088451.D
Acq: 04 Dec 2025 17:09

Tgt Ion:152 Resp: 216202
Ion Ratio Lower Upper
152 100
115 66.1 33.0 98.9
150 156.2 0.0 349.0

