

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088489.D
 Acq On : 10 Dec 2025 10:57
 Operator : JC\MD
 Sample : VN1210WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBL01

Quant Time: Dec 11 02:03:46 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	8.200	168	199142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	459524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	467279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211178	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	216905	57.819	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.640%
35) Dibromofluoromethane	8.147	113	161740	50.790	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.580%
50) Toluene-d8	10.541	98	557070	47.015	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.040%
62) 4-Bromofluorobenzene	12.823	95	195010	47.967	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.940%

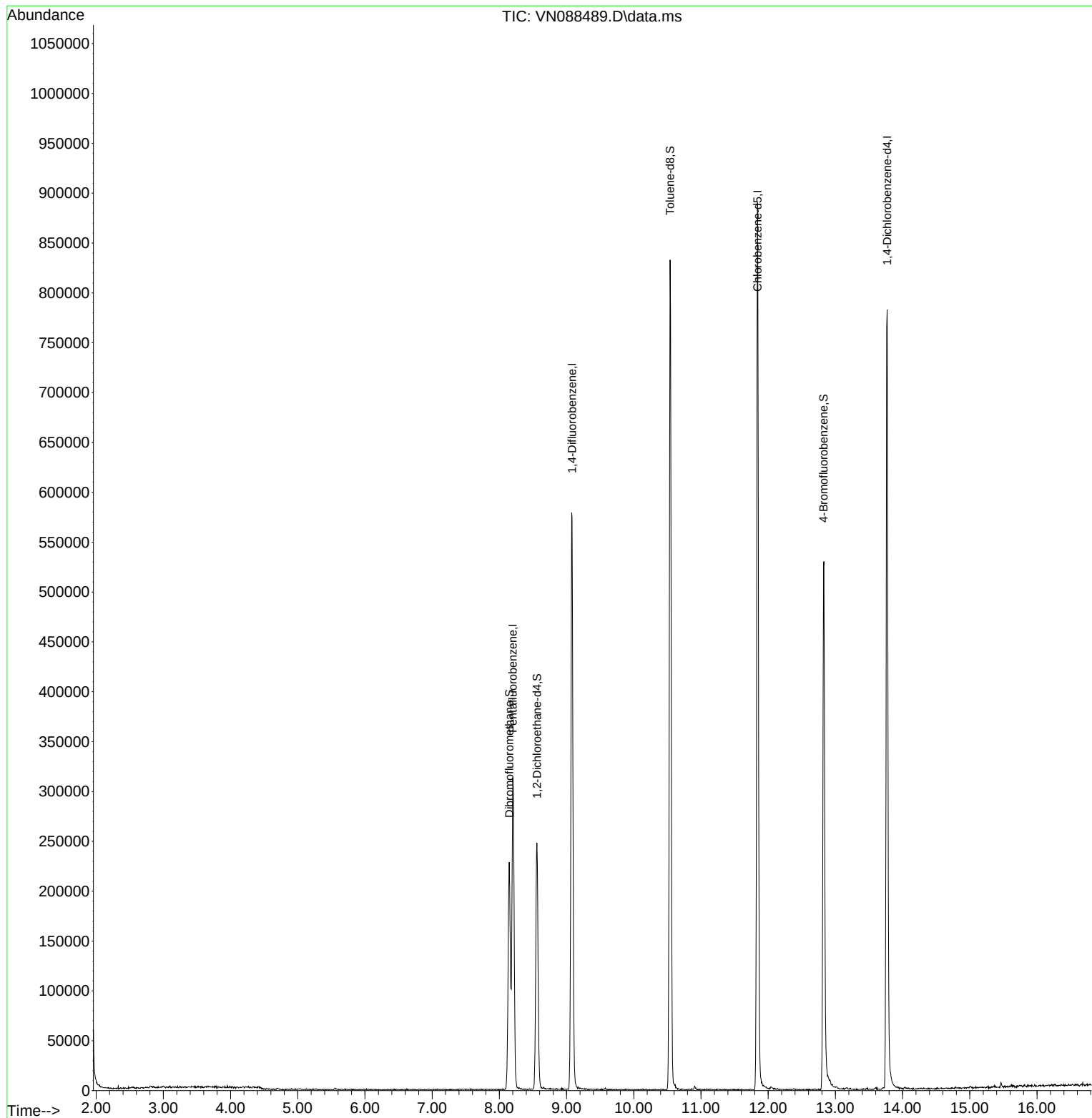
Target Compounds	Qvalue

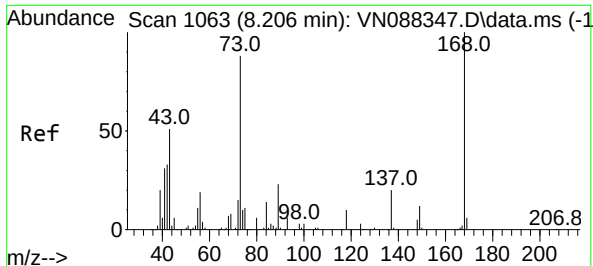
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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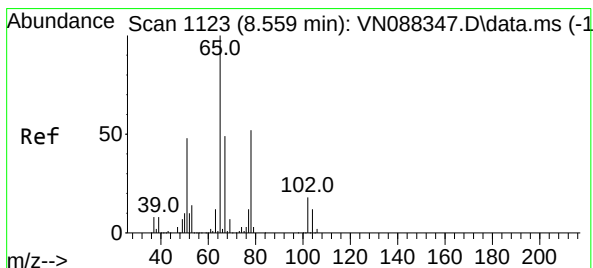
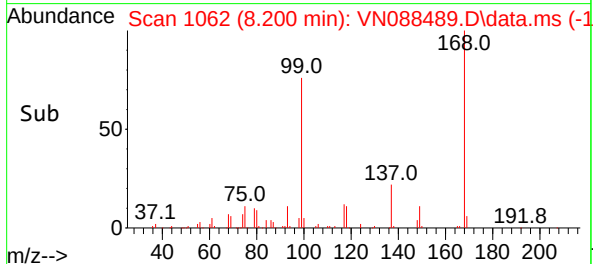
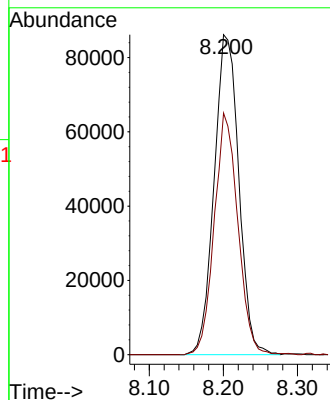
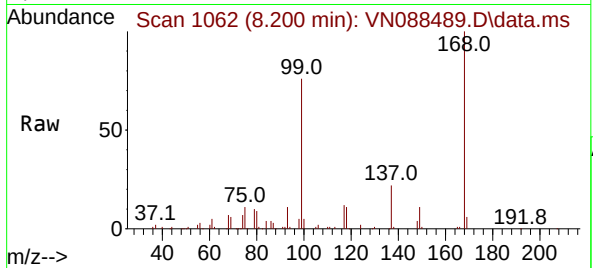




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

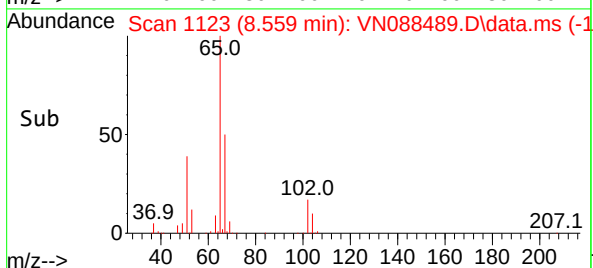
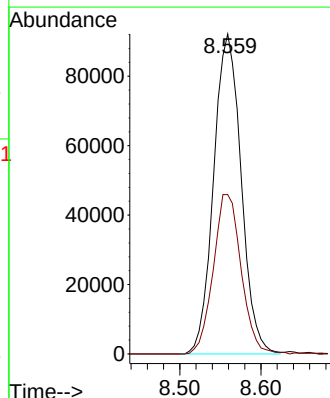
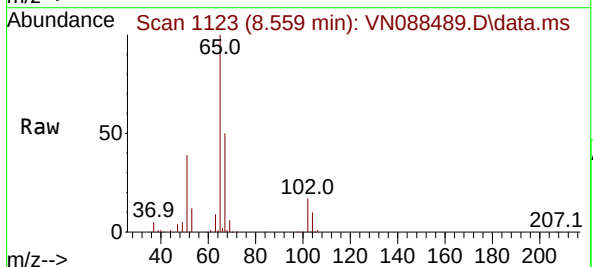
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBL01

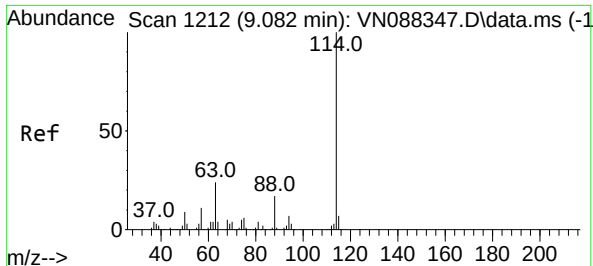
Tgt Ion:168 Resp: 199142
Ion Ratio Lower Upper
168 100
99 75.5 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 57.819 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

Tgt Ion: 65 Resp: 216905
Ion Ratio Lower Upper
65 100
67 50.6 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: VN088489.D

Acq: 10 Dec 2025 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL01

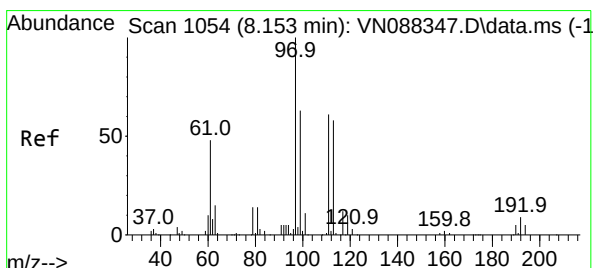
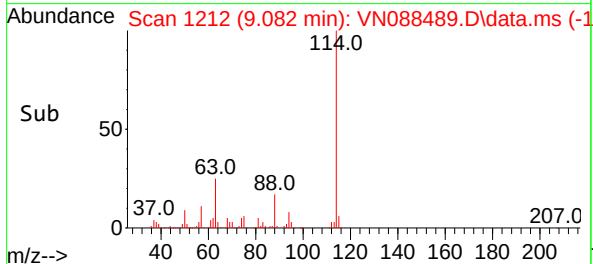
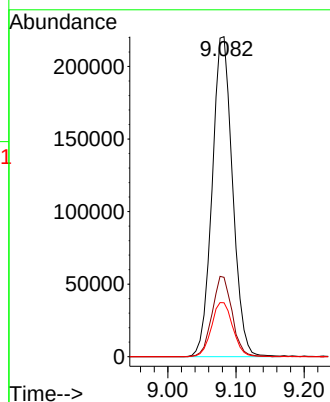
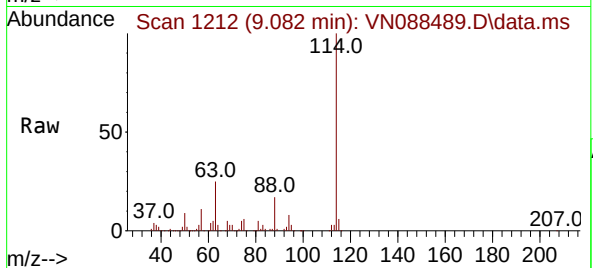
Tgt Ion:114 Resp: 459524

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.0

88 16.8 0.0 34.0



#35

Dibromofluoromethane

Concen: 50.790 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088489.D

Acq: 10 Dec 2025 10:57

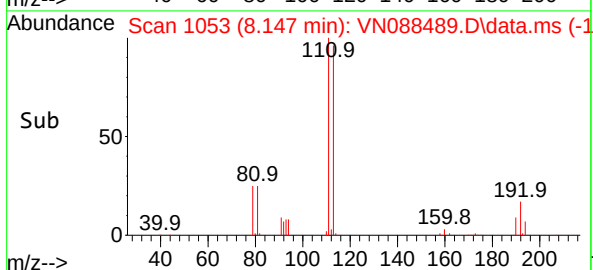
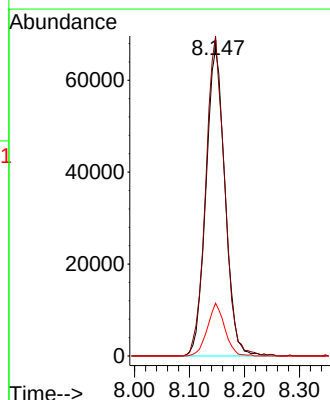
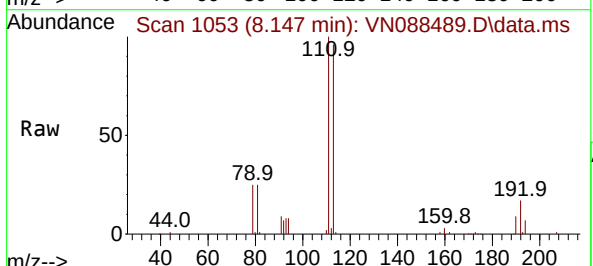
Tgt Ion:113 Resp: 161740

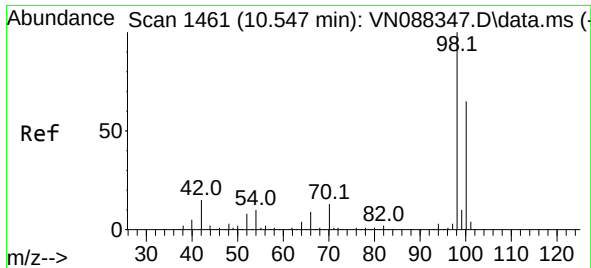
Ion Ratio Lower Upper

113 100

111 102.5 82.5 123.7

192 15.6 12.8 19.2

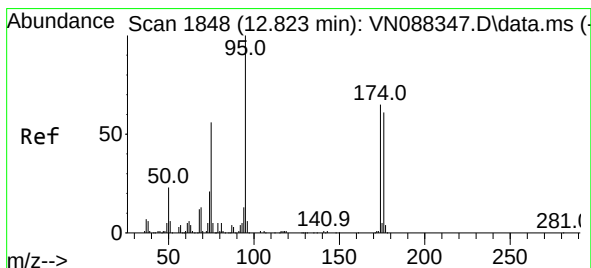
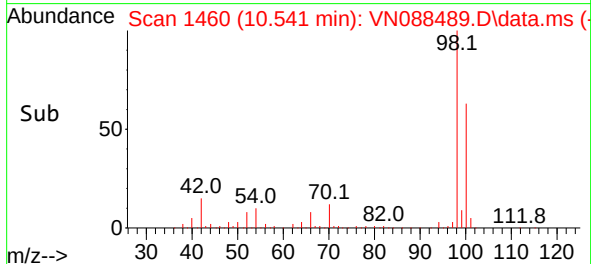
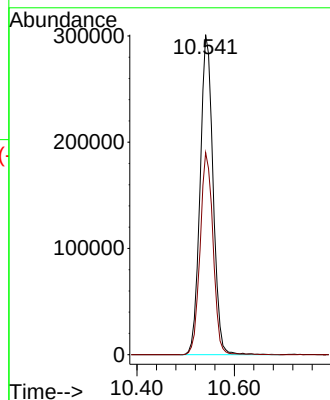
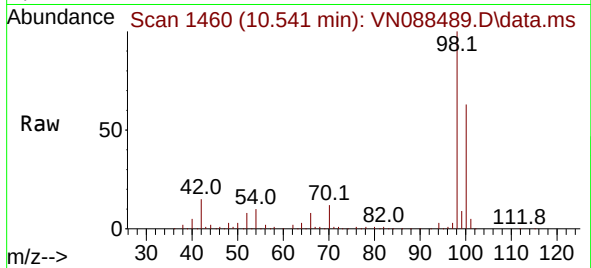




#50
Toluene-d8
Concen: 47.015 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

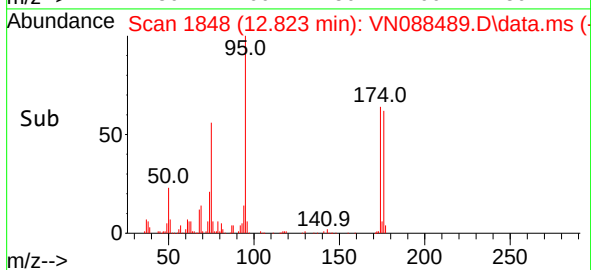
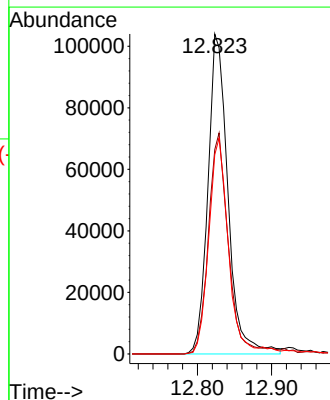
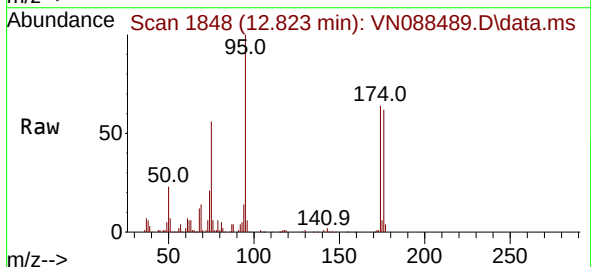
Instrument :
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ClientSampleId :
VN1210WBL01

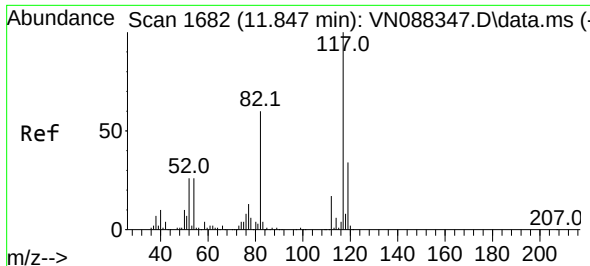
Tgt Ion: 98 Resp: 557070
Ion Ratio Lower Upper
98 100
100 63.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 47.967 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

Tgt Ion: 95 Resp: 195010
Ion Ratio Lower Upper
95 100
174 70.0 0.0 139.0
176 65.3 0.0 132.4

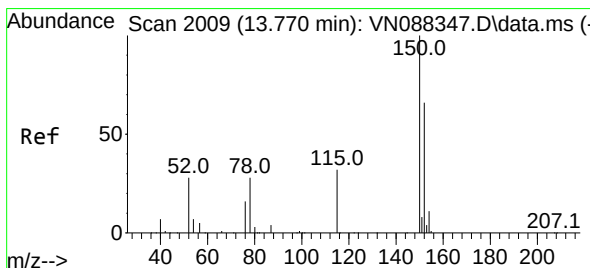
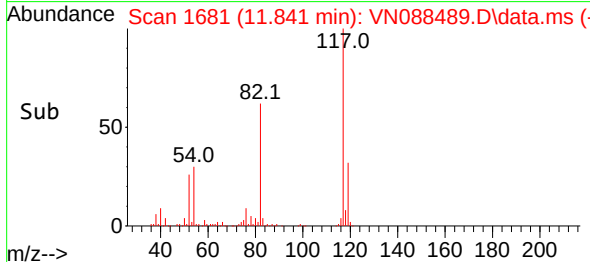
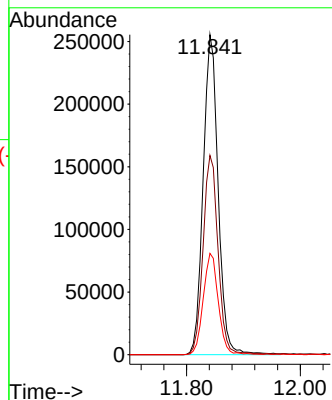
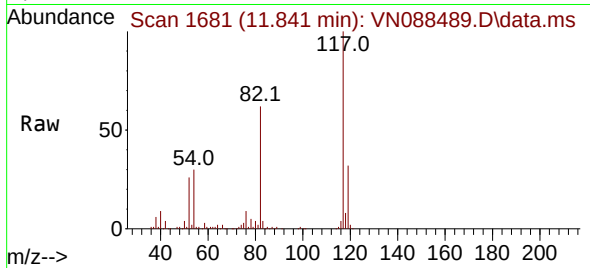




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBL01

Tgt Ion:117 Resp: 467279
Ion Ratio Lower Upper
117 100
82 62.2 47.8 71.8
119 31.6 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: VN088489.D
Acq: 10 Dec 2025 10:57

Tgt Ion:152 Resp: 211178
Ion Ratio Lower Upper
152 100
115 64.7 33.0 98.9
150 156.6 0.0 349.0

