

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110625\
 Data File : VN088198.D
 Acq On : 06 Nov 2025 11:35
 Operator : JC\MD
 Sample : VN1106MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106MBL01

Quant Time: Nov 07 02:15:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	245629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	548638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	523258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	253408	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	249368	58.710	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.420%
35) Dibromofluoromethane	8.147	113	188997	51.277	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.560%
50) Toluene-d8	10.547	98	699189	49.232	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.460%
62) 4-Bromofluorobenzene	12.829	95	275930	55.014	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.020%

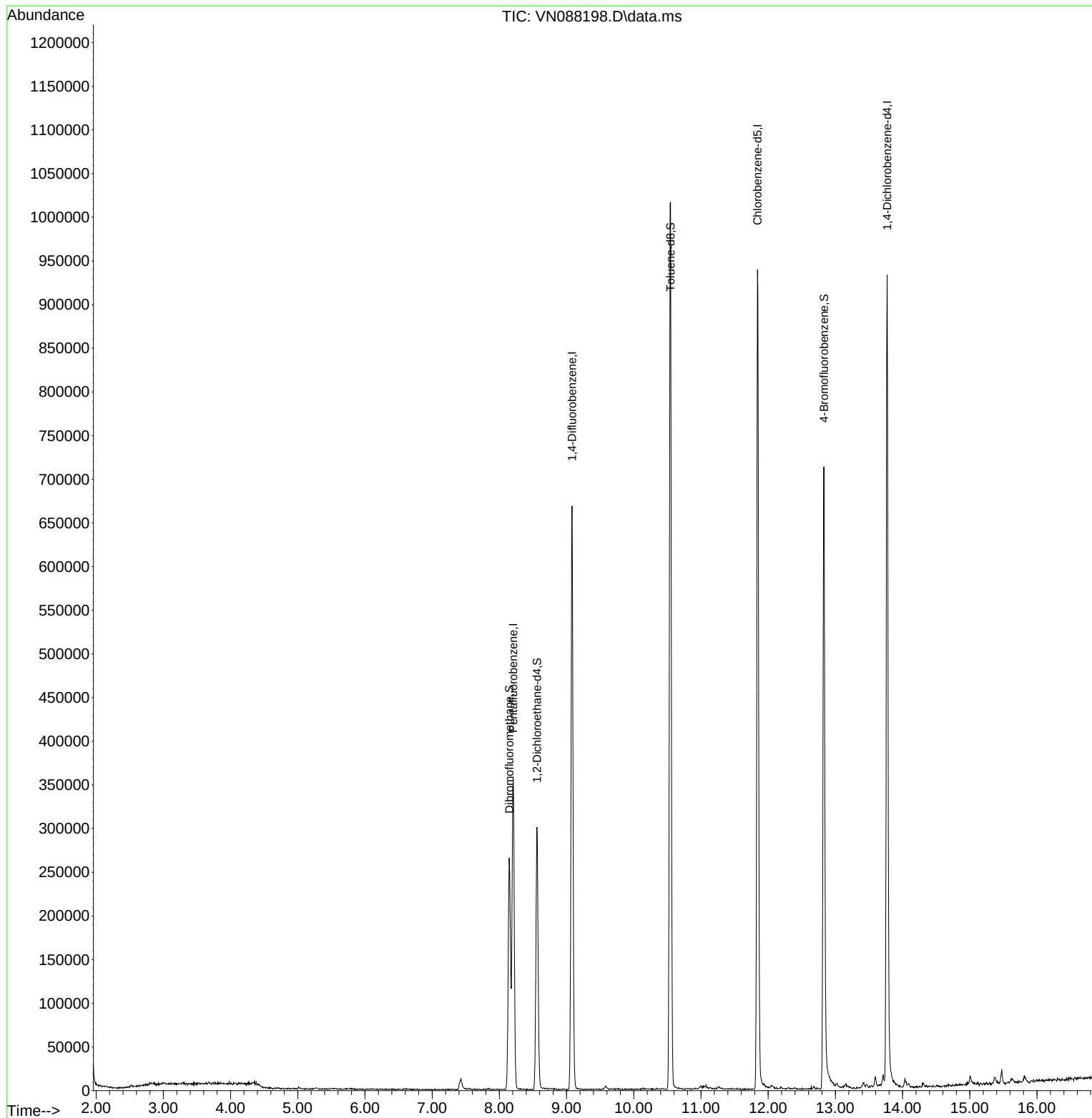
Target Compounds	Qvalue

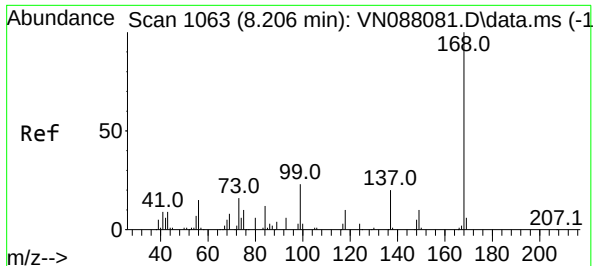
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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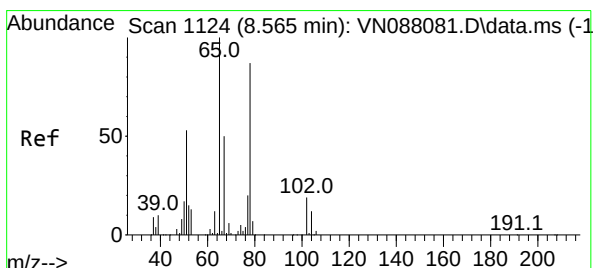
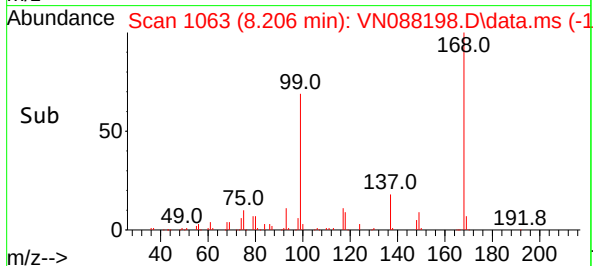
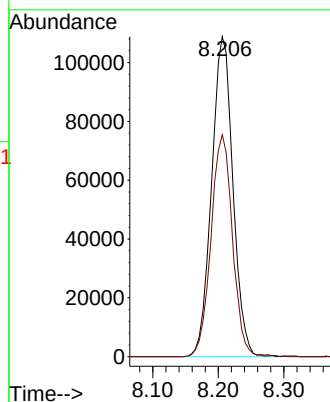
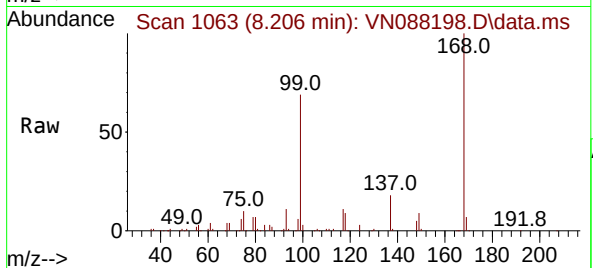




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088198.D
Acq: 06 Nov 2025 11:35

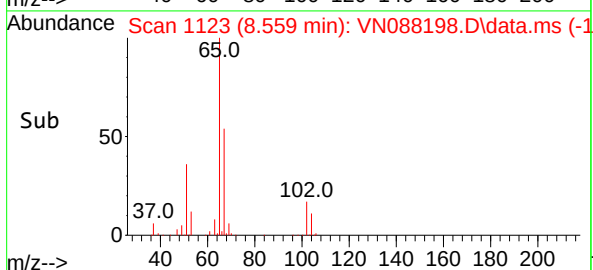
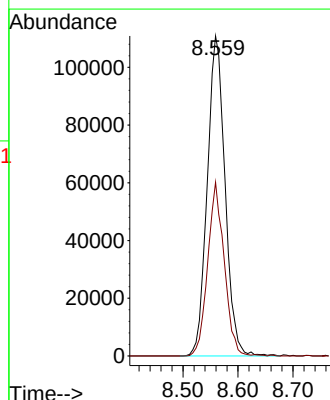
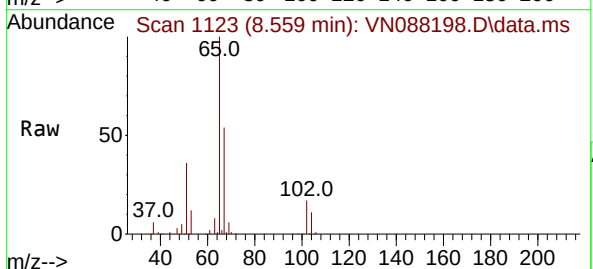
Instrument :
MSVOA_N
ClientSampleId :
VN1106MBL01

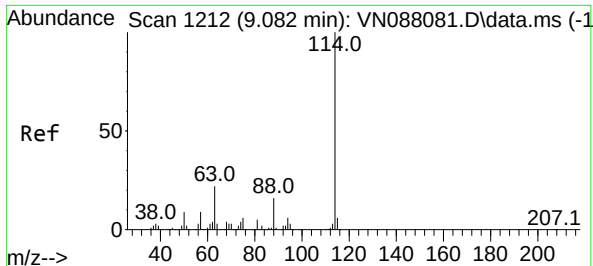
Tgt Ion:168 Resp: 245629
Ion Ratio Lower Upper
168 100
99 69.3 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 58.710 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088198.D
Acq: 06 Nov 2025 11:35

Tgt Ion: 65 Resp: 249368
Ion Ratio Lower Upper
65 100
67 50.3 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088198.D

Acq: 06 Nov 2025 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1106MBL01

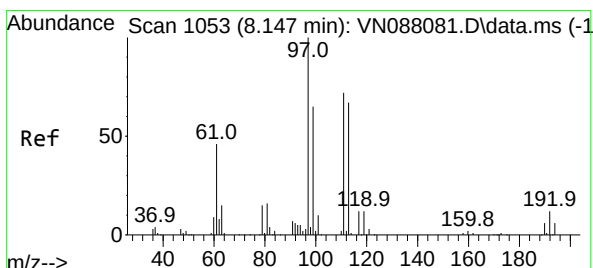
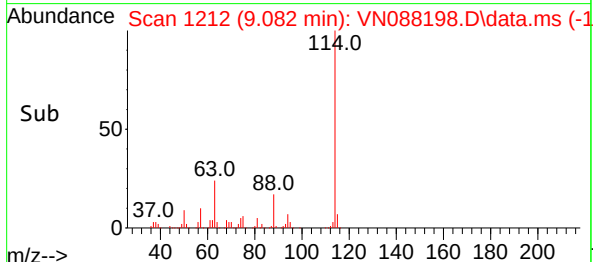
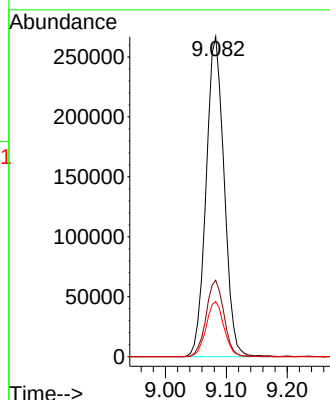
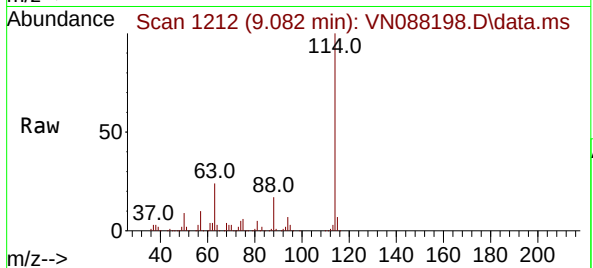
Tgt Ion:114 Resp: 548638

Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.2

88 17.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.277 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088198.D

Acq: 06 Nov 2025 11:35

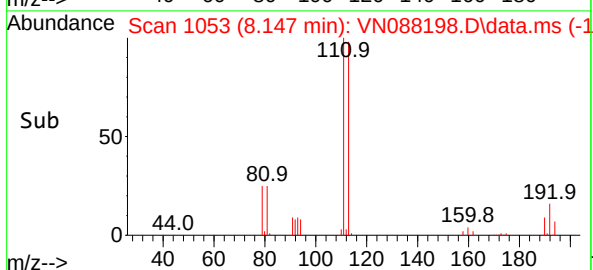
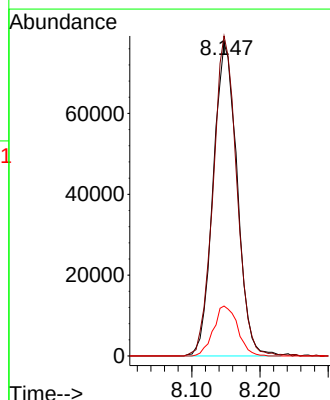
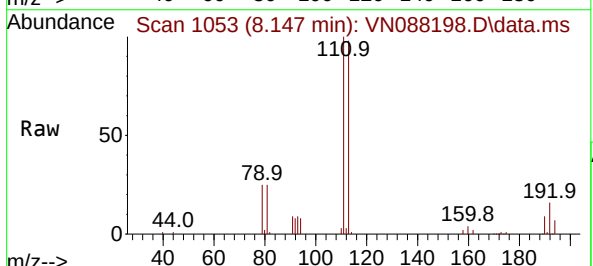
Tgt Ion:113 Resp: 188997

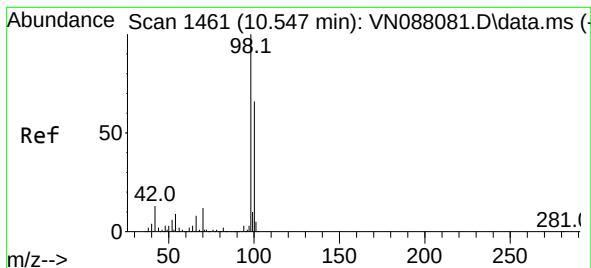
Ion Ratio Lower Upper

113 100

111 100.8 82.8 124.2

192 16.1 12.8 19.2





#50

Toluene-d8

Concen: 49.232 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN088198.D

Acq: 06 Nov 2025 11:35

Instrument :

MSVOA_N

ClientSampleId :

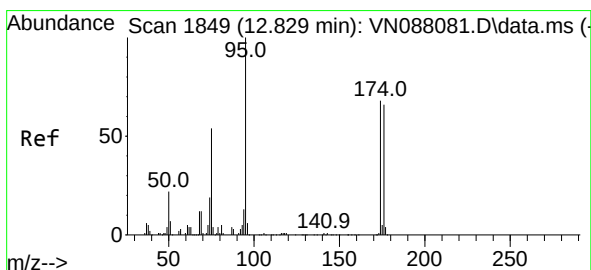
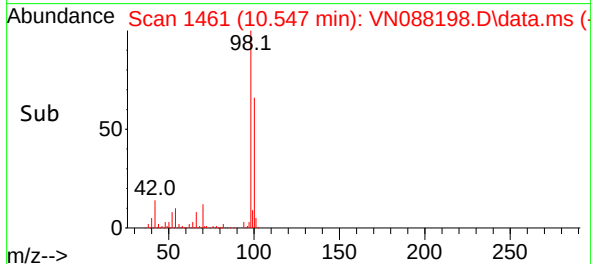
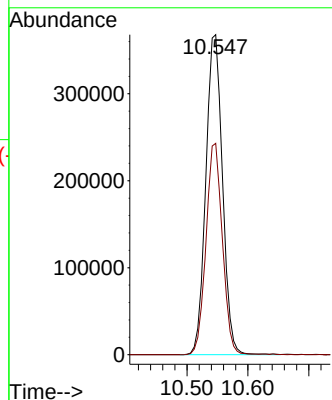
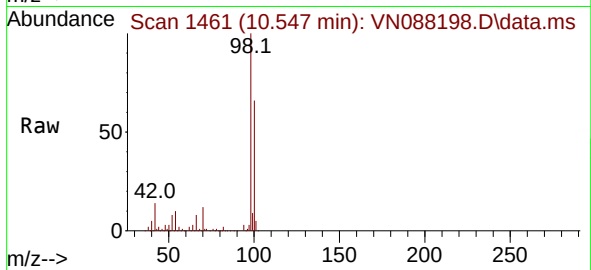
VN1106MBL01

Tgt Ion: 98 Resp: 699189

Ion Ratio Lower Upper

98 100

100 64.9 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 55.014 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088198.D

Acq: 06 Nov 2025 11:35

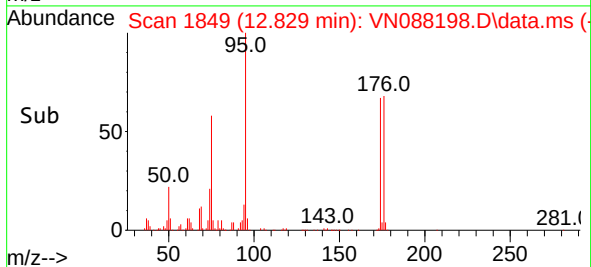
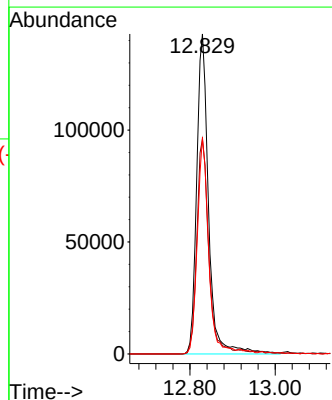
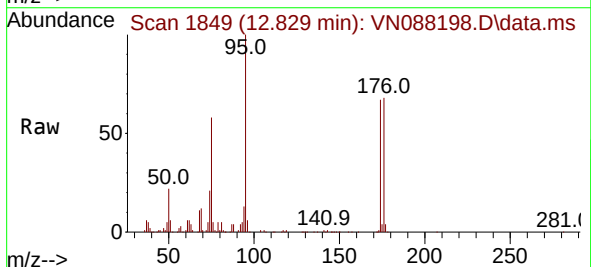
Tgt Ion: 95 Resp: 275930

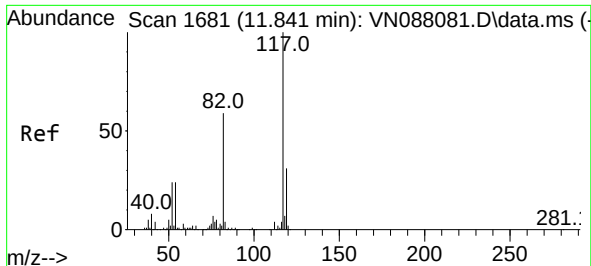
Ion Ratio Lower Upper

95 100

174 66.6 0.0 138.4

176 64.4 0.0 132.6

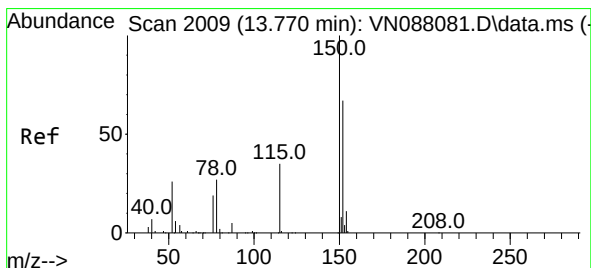
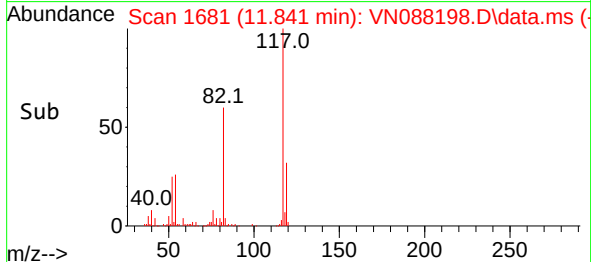
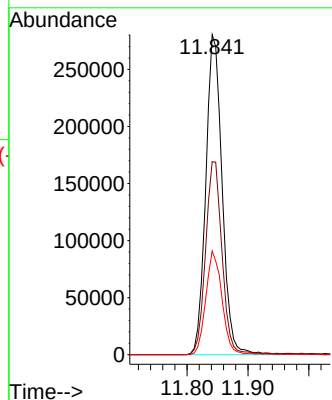
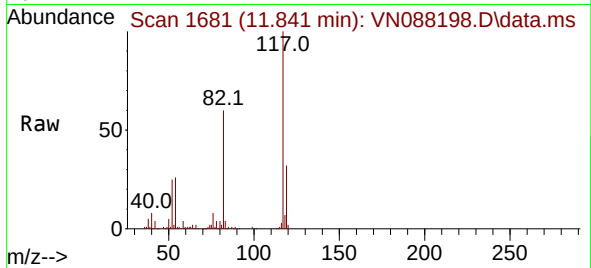




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088198.D
Acq: 06 Nov 2025 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1106MBL01

Tgt Ion:117 Resp: 523258
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 32.4 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088198.D
Acq: 06 Nov 2025 11:35

Tgt Ion:152 Resp: 253408
Ion Ratio Lower Upper
152 100
115 63.7 32.3 96.8
150 158.6 0.0 351.0

