

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110625\
 Data File : VN088202.D
 Acq On : 06 Nov 2025 13:48
 Operator : JC\MD
 Sample : Q3549-01
 Misc : 4.30g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RT4922

Quant Time: Nov 07 02:18:29 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	240547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	548480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	518665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	237839	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	255878	61.516	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	123.040%
35) Dibromofluoromethane	8.147	113	189050	51.306	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.620%
50) Toluene-d8	10.547	98	705208	49.670	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.340%
62) 4-Bromofluorobenzene	12.829	95	257086	51.272	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.540%

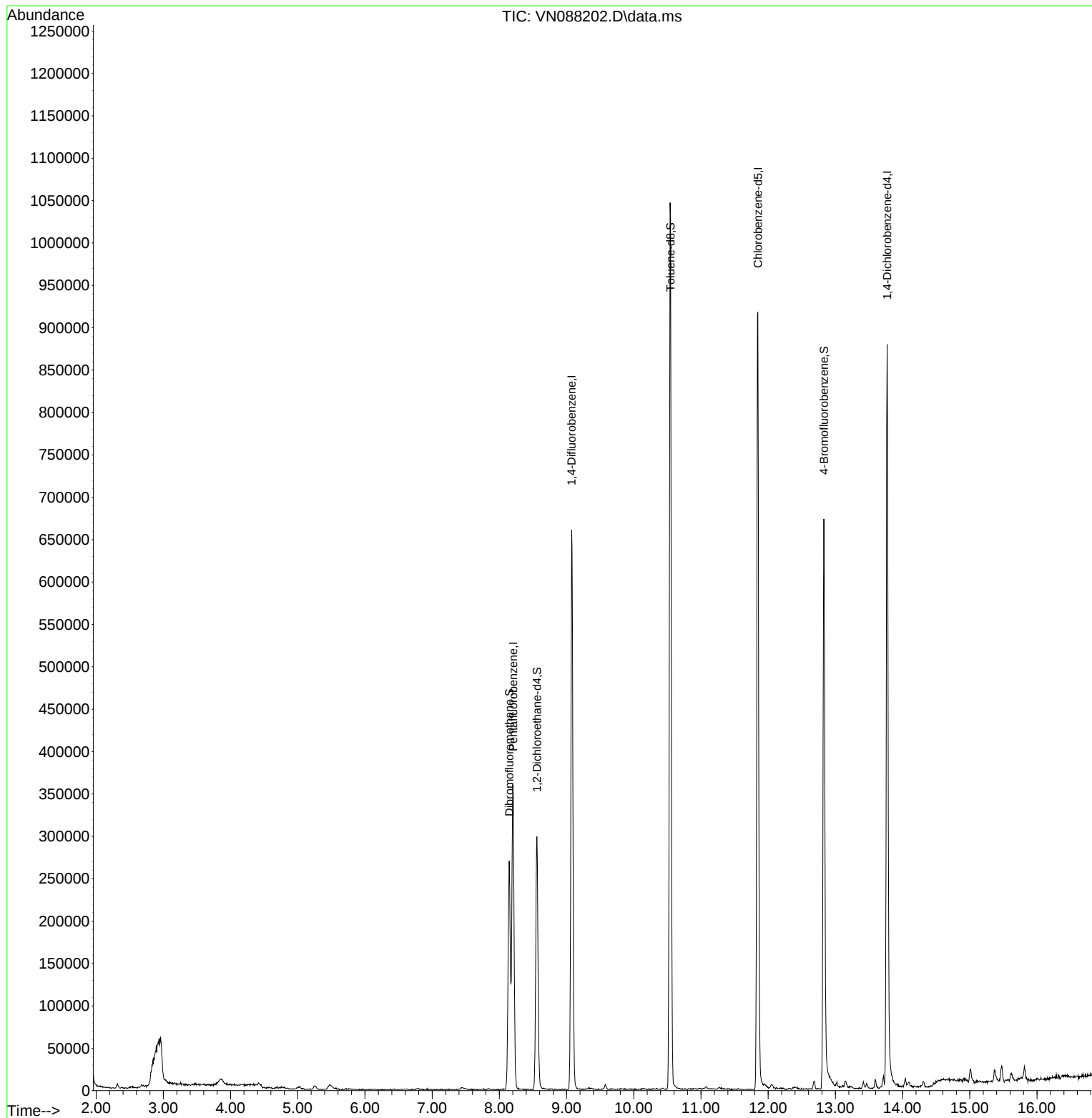
Target Compounds	Qvalue

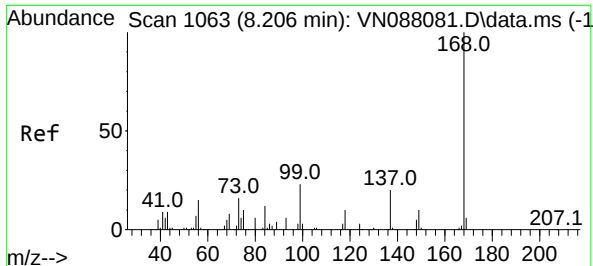
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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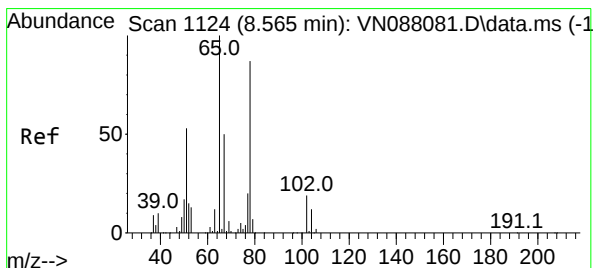
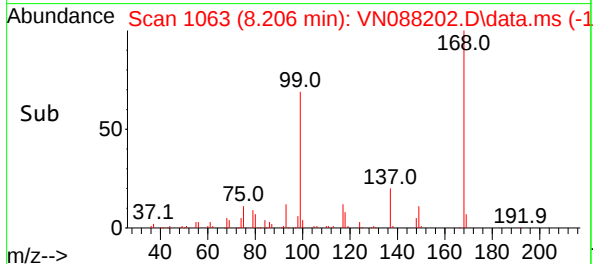
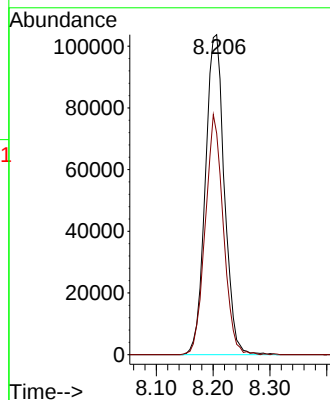
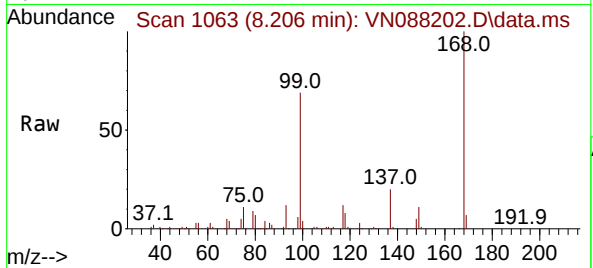




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088202.D
Acq: 06 Nov 2025 13:48

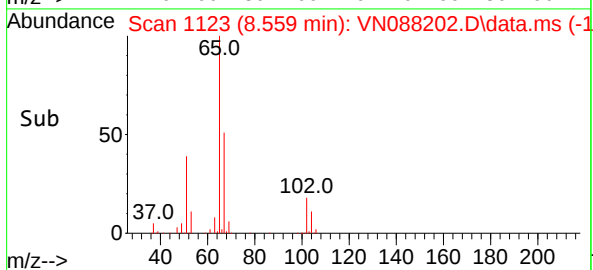
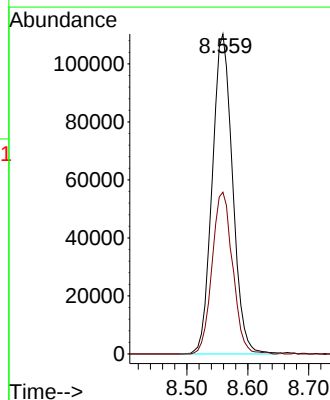
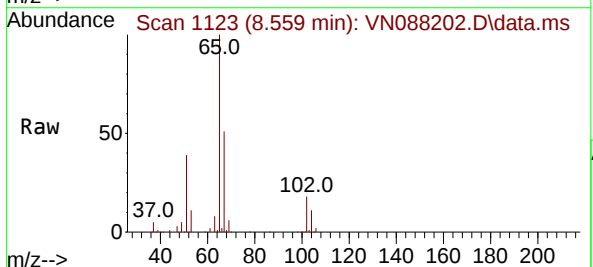
Instrument :
MSVOA_N
ClientSampleId :
RT4922

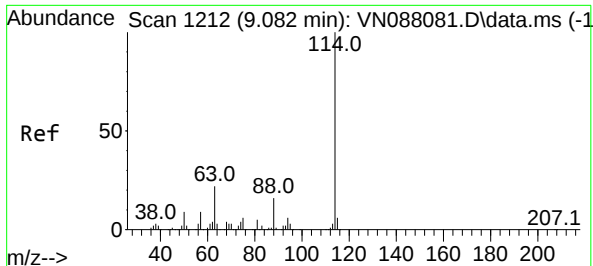
Tgt Ion:168 Resp: 240547
Ion Ratio Lower Upper
168 100
99 69.2 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 61.516 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088202.D
Acq: 06 Nov 2025 13:48

Tgt Ion: 65 Resp: 255878
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088202.D

Acq: 06 Nov 2025 13:48

Instrument :

MSVOA_N

ClientSampleId :

RT4922

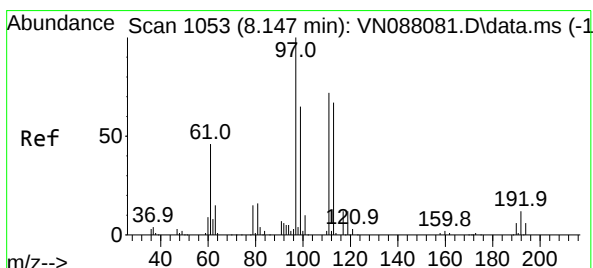
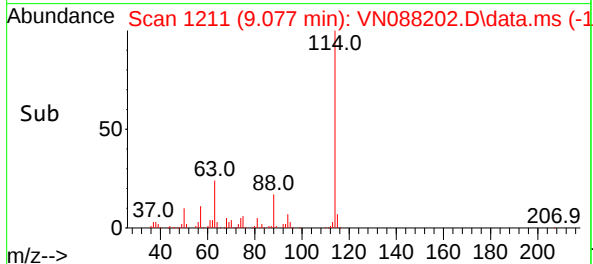
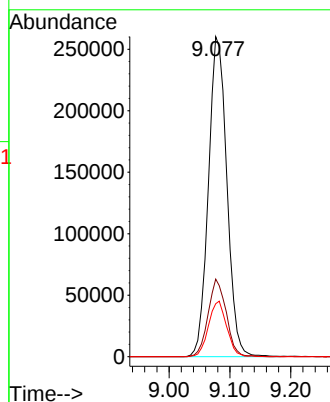
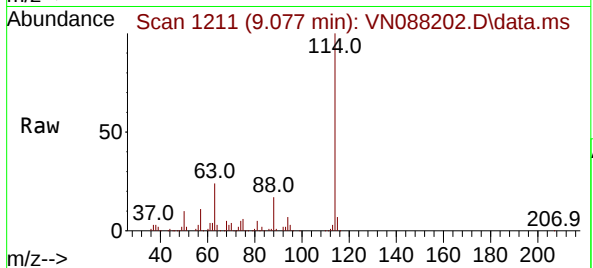
Tgt Ion:114 Resp: 548480

Ion Ratio Lower Upper

114 100

63 24.2 0.0 45.2

88 16.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.306 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088202.D

Acq: 06 Nov 2025 13:48

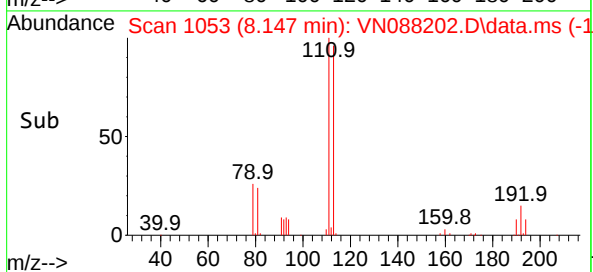
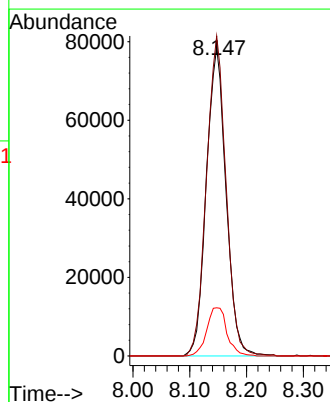
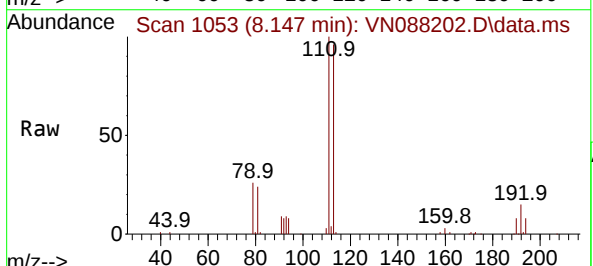
Tgt Ion:113 Resp: 189050

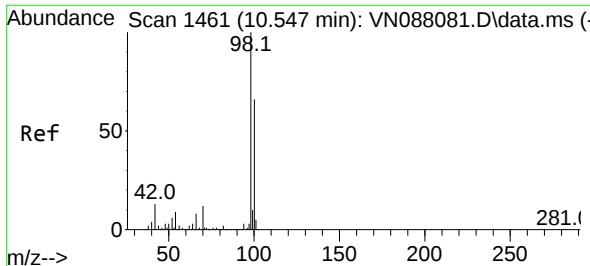
Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 16.0 12.8 19.2

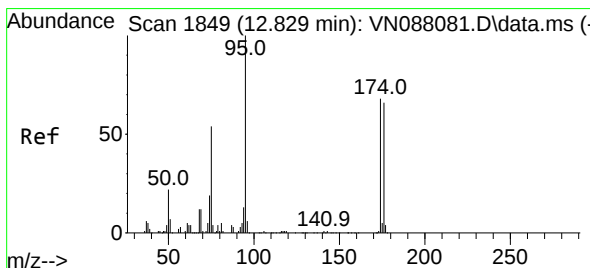
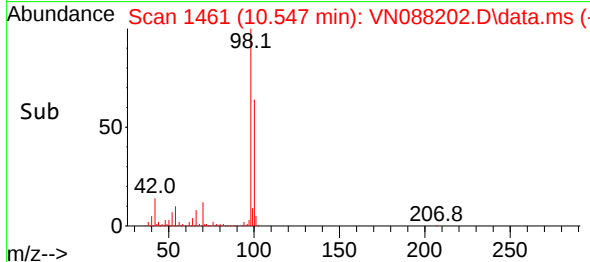
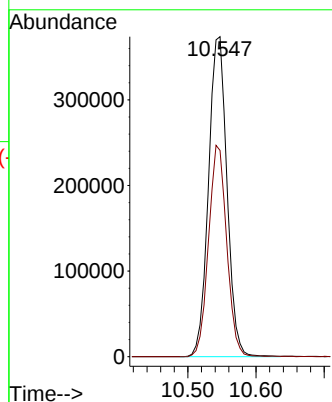
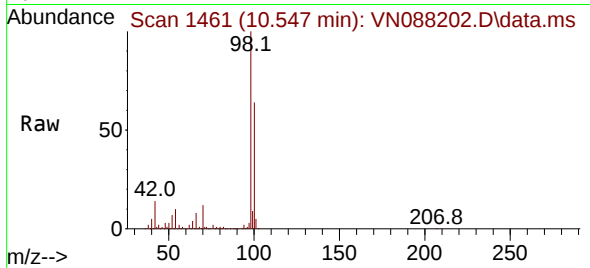




#50
Toluene-d8
Concen: 49.670 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088202.D
Acq: 06 Nov 2025 13:48

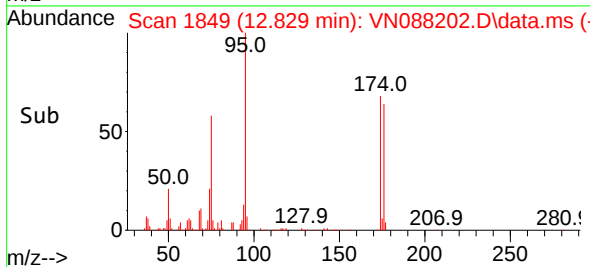
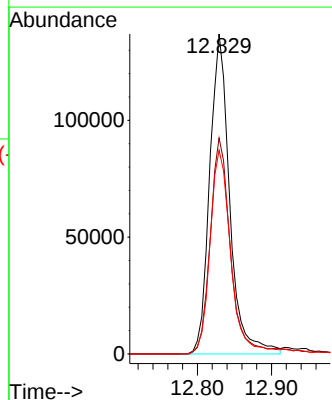
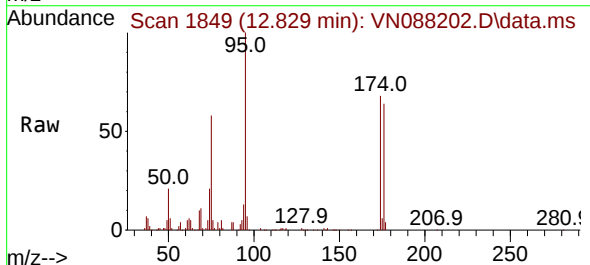
Instrument :
MSVOA_N
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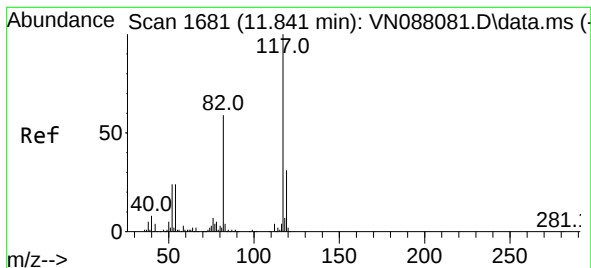
Tgt Ion: 98 Resp: 705208
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 51.272 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088202.D
Acq: 06 Nov 2025 13:48

Tgt Ion: 95 Resp: 257086
Ion Ratio Lower Upper
95 100
174 67.8 0.0 138.4
176 67.1 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN088202.D

Acq: 06 Nov 2025 13:48

Instrument :

MSVOA_N

ClientSampleId :

RT4922

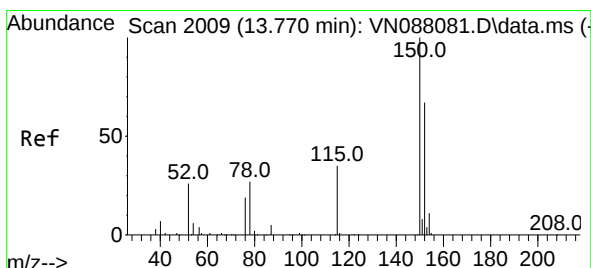
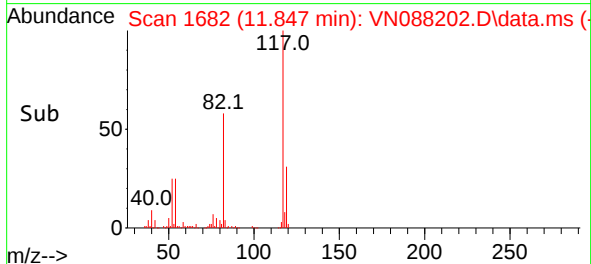
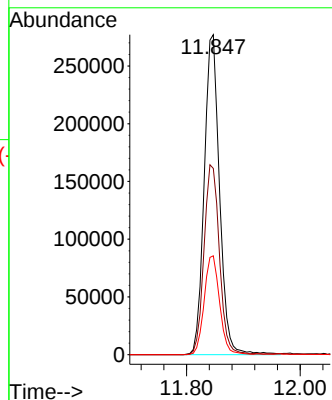
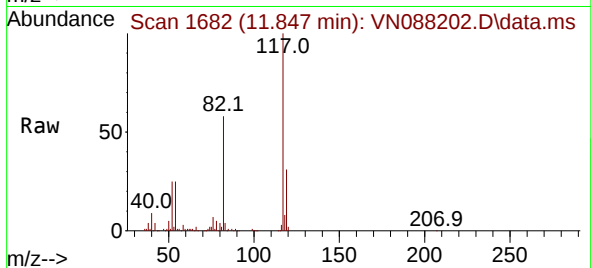
Tgt Ion:117 Resp: 518665

Ion Ratio Lower Upper

117 100

82 58.2 47.4 71.2

119 30.9 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: VN088202.D

Acq: 06 Nov 2025 13:48

Tgt Ion:152 Resp: 237839

Ion Ratio Lower Upper

152 100

115 65.1 32.3 96.8

150 158.9 0.0 351.0

