

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088128.D
 Acq On : 28 Oct 2025 10:57
 Operator : JC\MD
 Sample : VN1028MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028MBL01

Quant Time: Oct 29 02:17:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	214801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	487153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	458247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	220652	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	225211	60.633	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	121.260%
35) Dibromofluoromethane	8.147	113	167396	51.149	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.300%
50) Toluene-d8	10.547	98	624342	49.510	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.020%
62) 4-Bromofluorobenzene	12.829	95	233024	52.324	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.640%

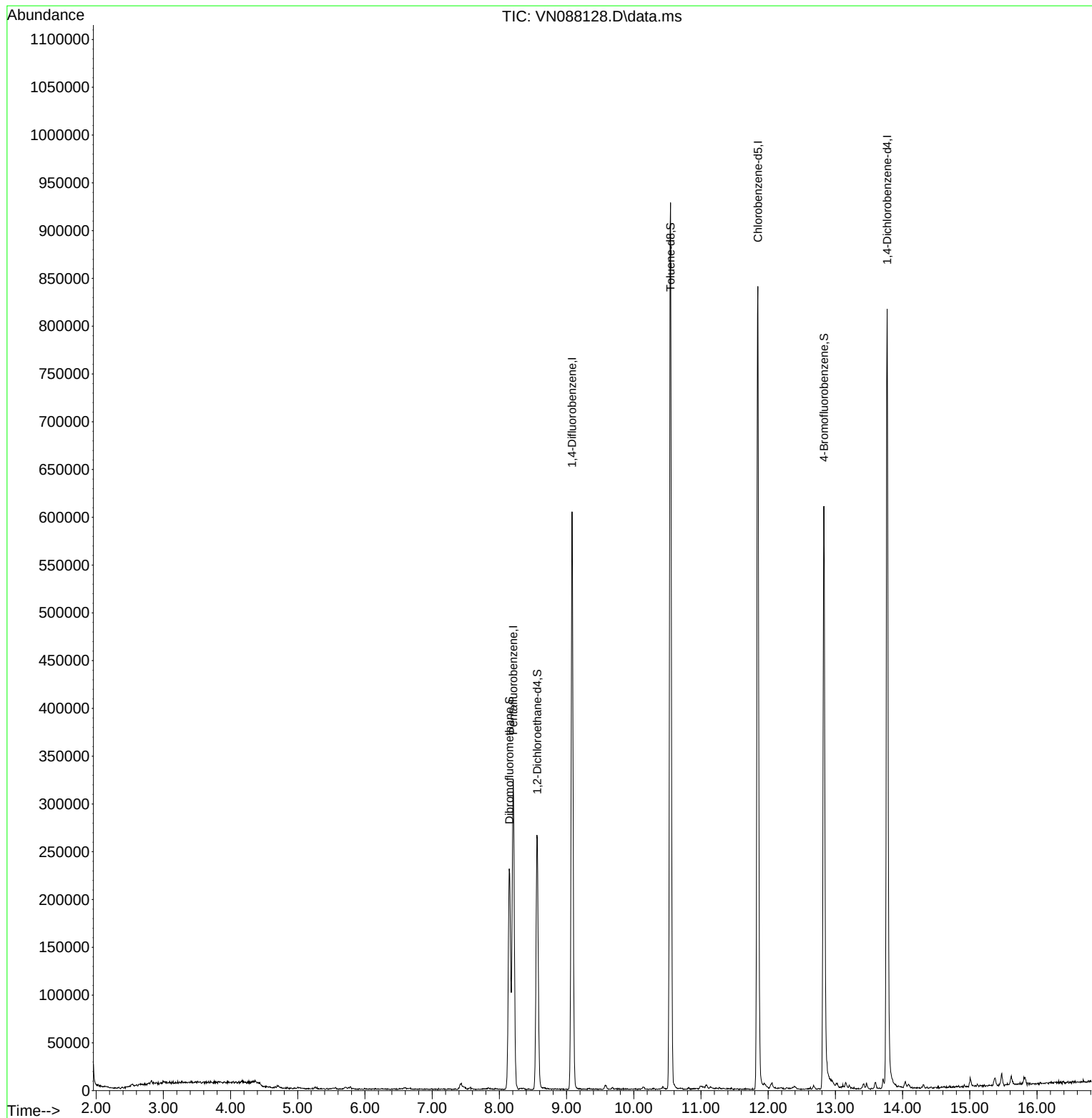
Target Compounds	Qvalue

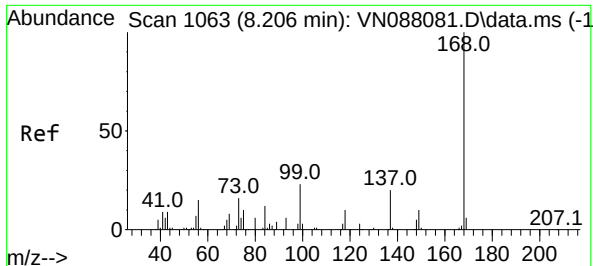
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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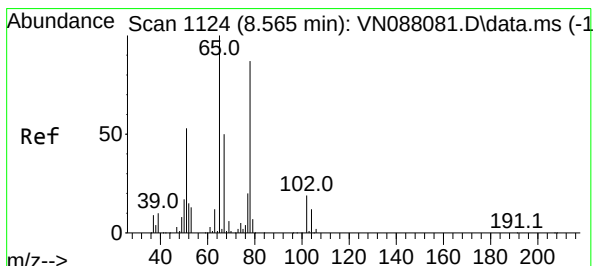
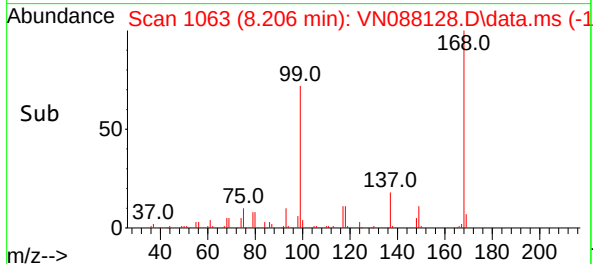
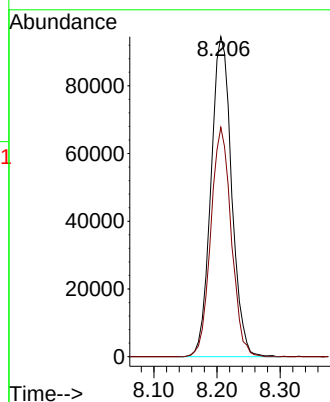
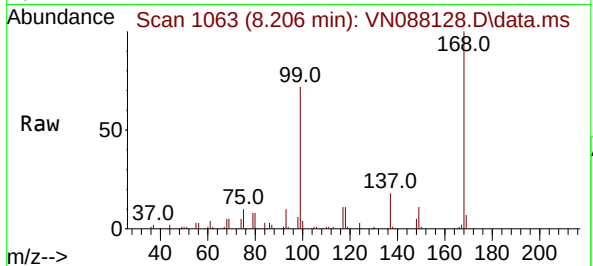




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088128.D
Acq: 28 Oct 2025 10:57

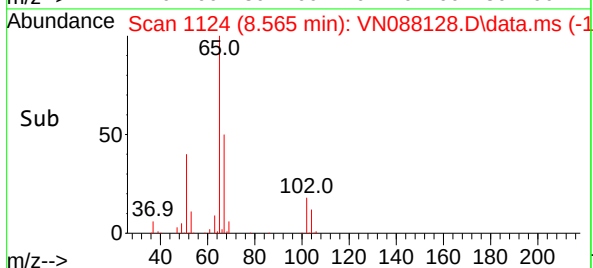
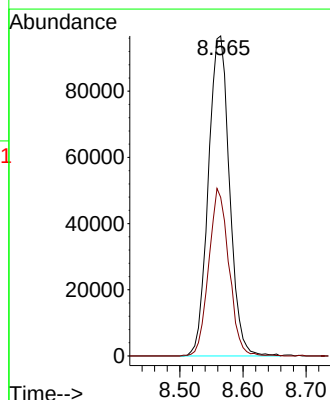
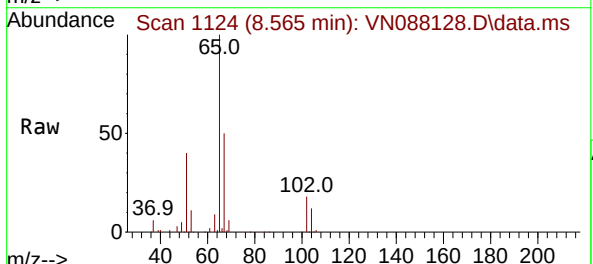
Instrument :
MSVOA_N
ClientSampleId :
VN1028MBL01

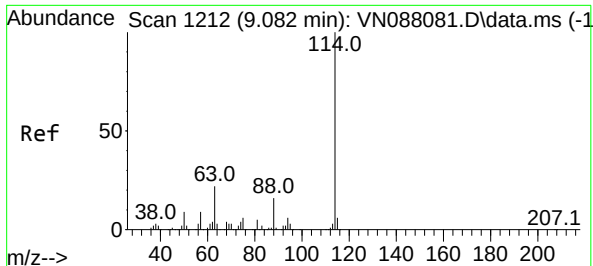
Tgt Ion:168 Resp: 214801
Ion Ratio Lower Upper
168 100
99 71.7 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 60.633 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088128.D
Acq: 28 Oct 2025 10:57

Tgt Ion: 65 Resp: 225211
Ion Ratio Lower Upper
65 100
67 49.8 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088128.D

Acq: 28 Oct 2025 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1028MBL01

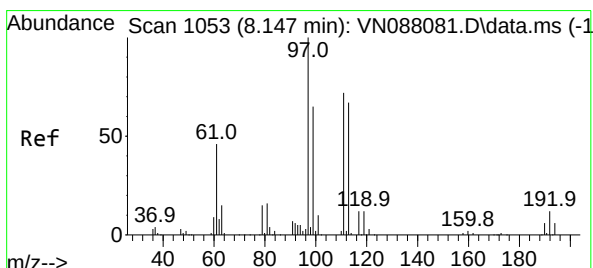
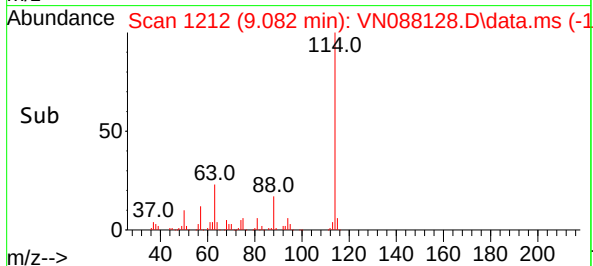
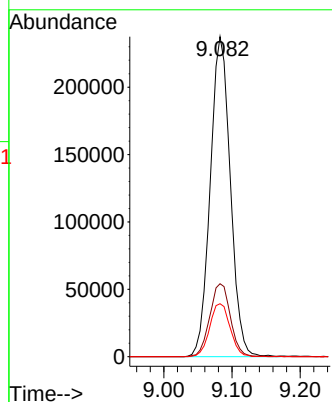
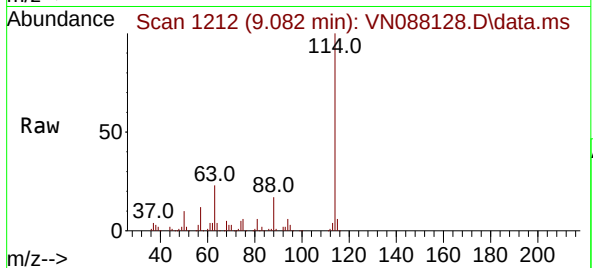
Tgt Ion:114 Resp: 487153

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.2

88 16.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.149 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088128.D

Acq: 28 Oct 2025 10:57

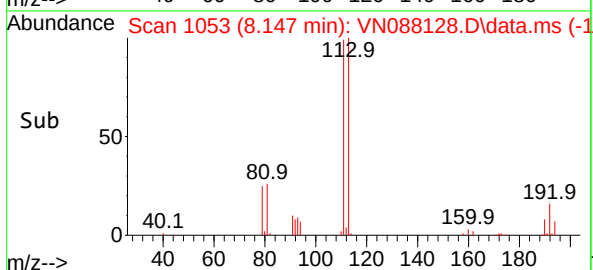
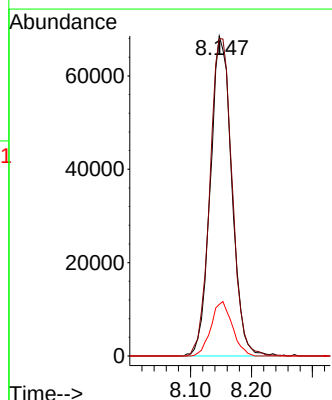
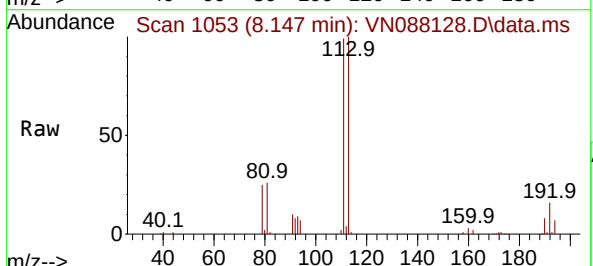
Tgt Ion:113 Resp: 167396

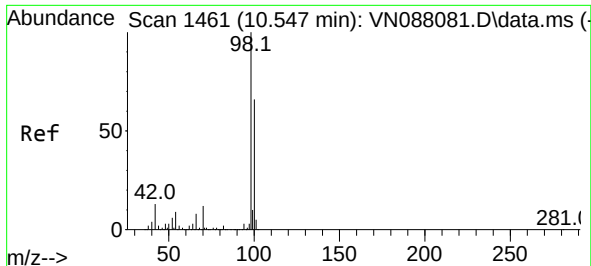
Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 16.9 12.8 19.2

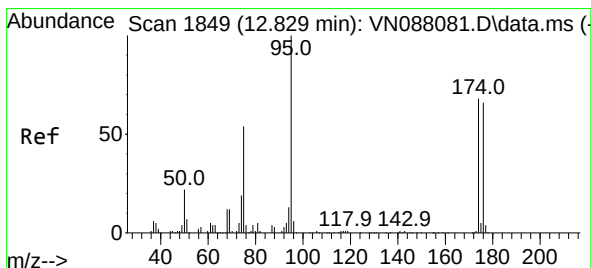
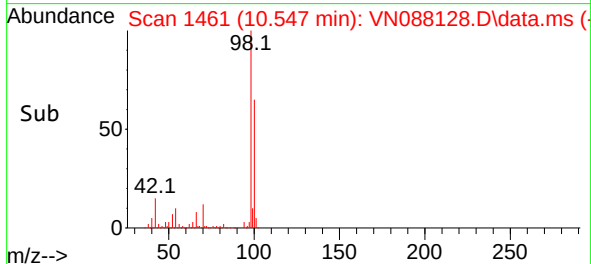
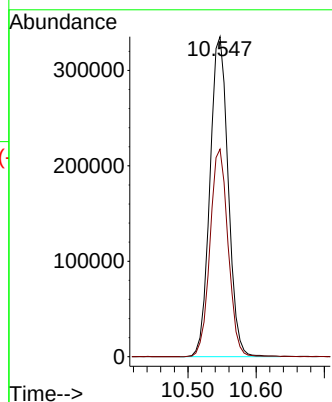
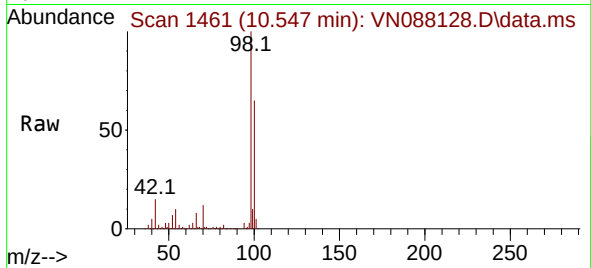




#50
Toluene-d8
Concen: 49.510 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088128.D
Acq: 28 Oct 2025 10:57

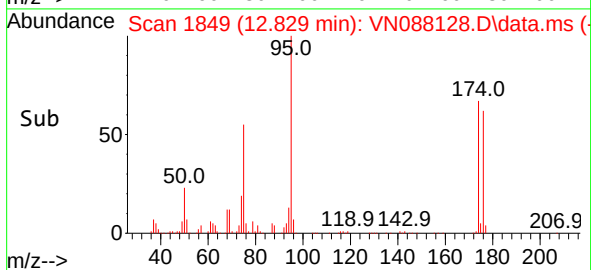
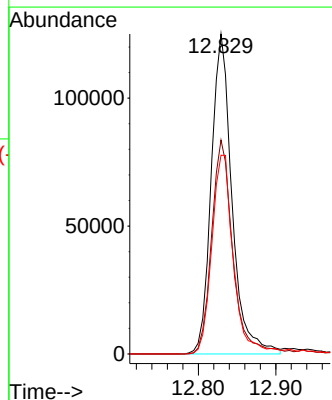
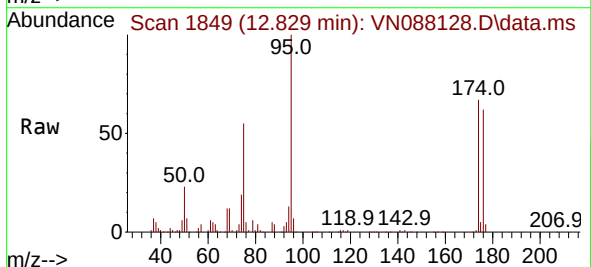
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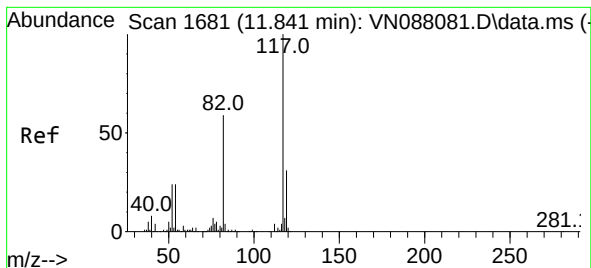
Tgt Ion: 98 Resp: 624342
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.324 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088128.D
Acq: 28 Oct 2025 10:57

Tgt Ion: 95 Resp: 233024
Ion Ratio Lower Upper
95 100
174 68.2 0.0 138.4
176 65.4 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: VN088128.D

Acq: 28 Oct 2025 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1028MBL01

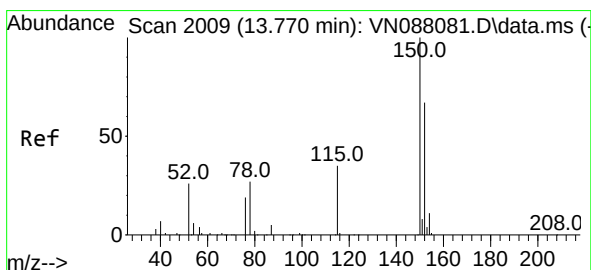
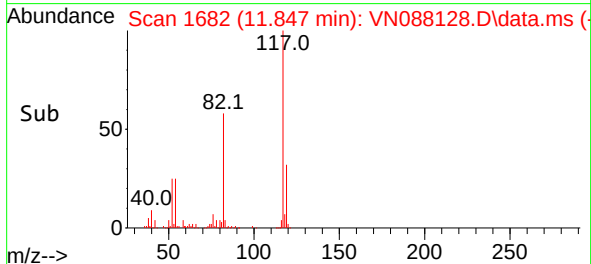
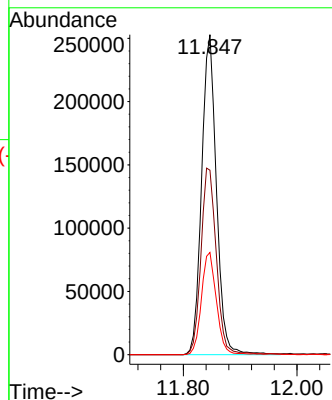
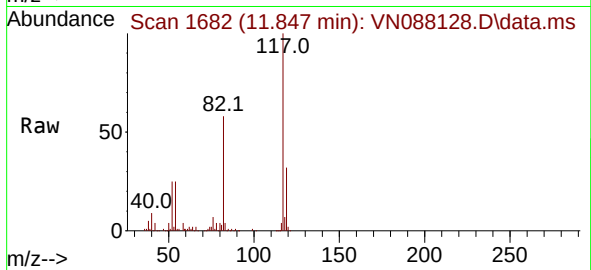
Tgt Ion:117 Resp: 458247

Ion Ratio Lower Upper

117 100

82 57.7 47.4 71.2

119 32.0 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: VN088128.D

Acq: 28 Oct 2025 10:57

Tgt Ion:152 Resp: 220652

Ion Ratio Lower Upper

152 100

115 64.8 32.3 96.8

150 157.0 0.0 351.0

