

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111025\
 Data File : VN088236.D
 Acq On : 10 Nov 2025 13:07
 Operator : JC\MD
 Sample : VN1110MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110MBL01

Quant Time: Nov 11 03:50:41 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	214241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	480036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	462720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	223479	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	222767	60.131	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	120.260%
35) Dibromofluoromethane	8.147	113	171484	53.175	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.340%
50) Toluene-d8	10.547	98	611516	49.212	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.420%
62) 4-Bromofluorobenzene	12.829	95	233423	53.190	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.380%

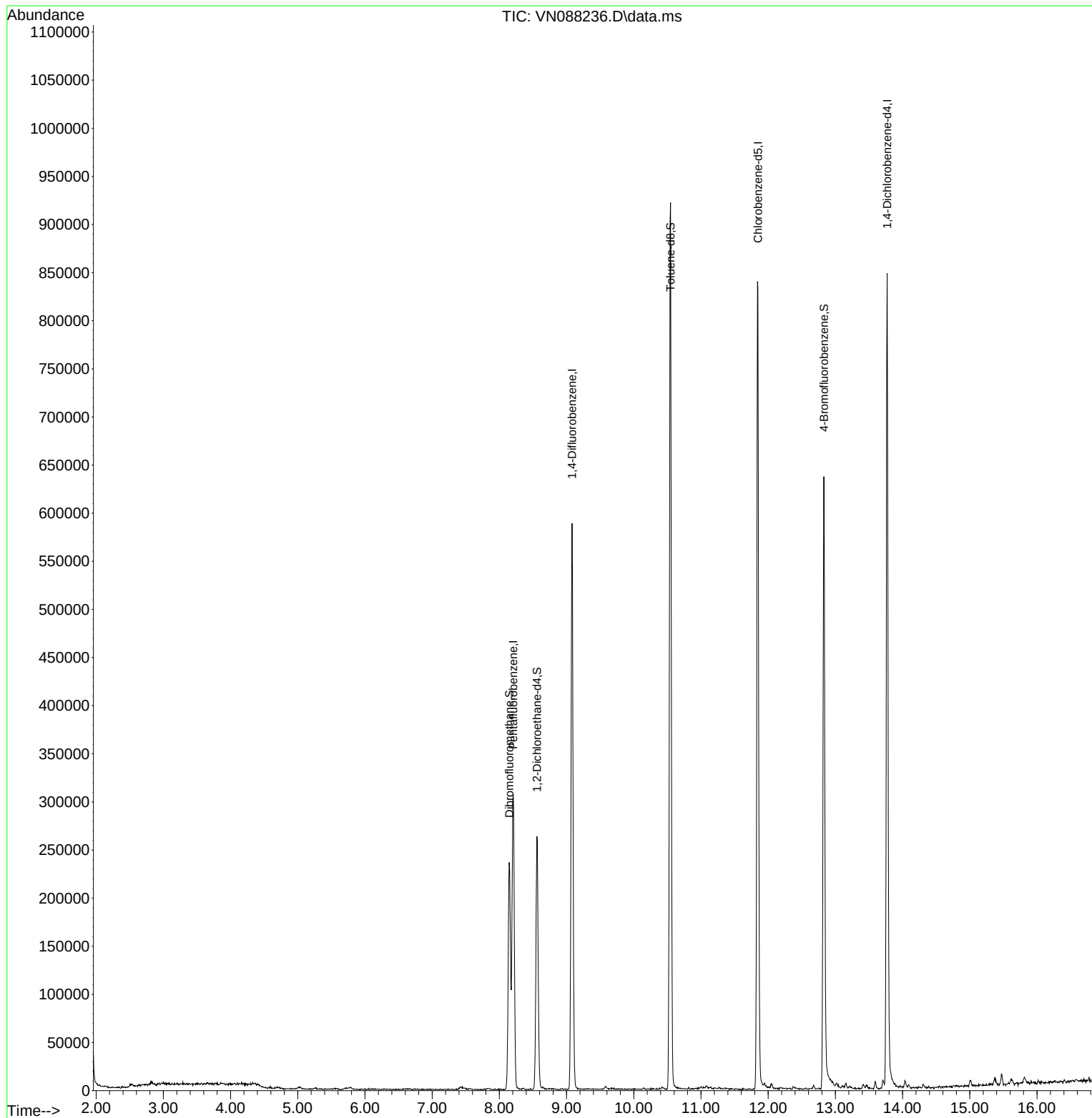
Target Compounds	Qvalue

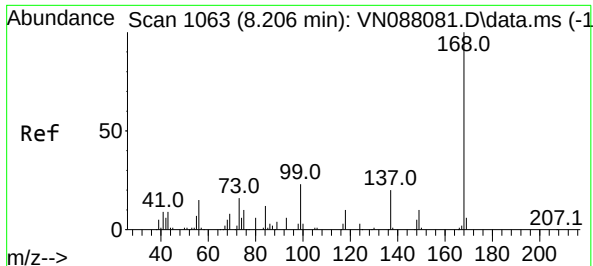
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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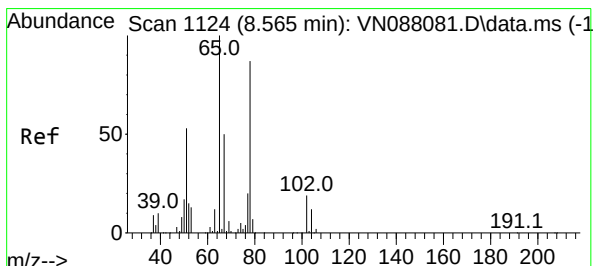
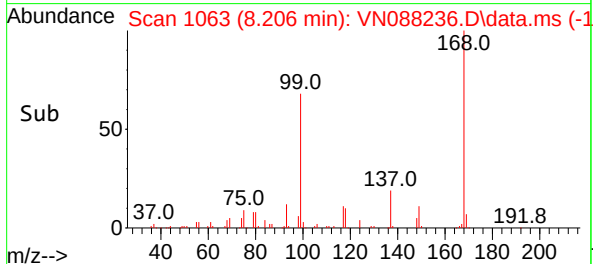
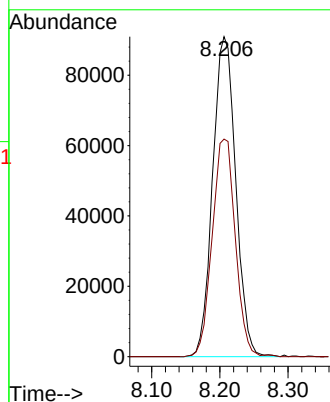
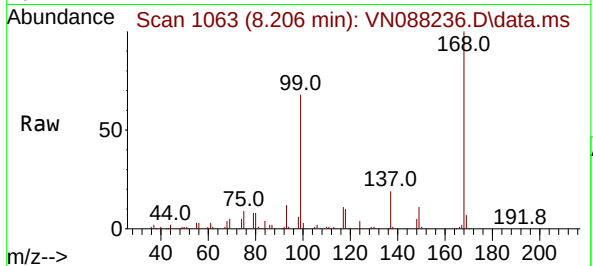




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088236.D
Acq: 10 Nov 2025 13:07

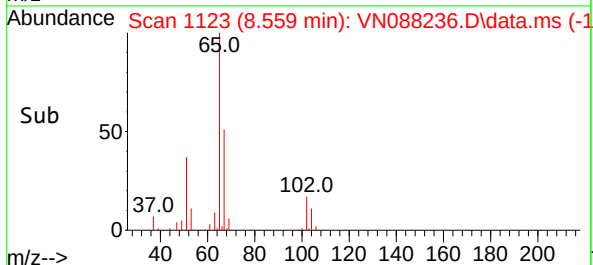
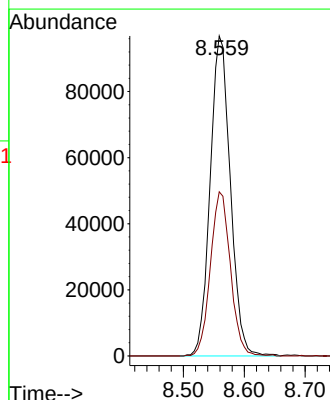
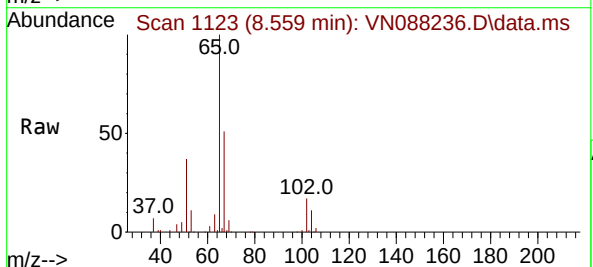
Instrument :
MSVOA_N
ClientSampleId :
VN1110MBL01

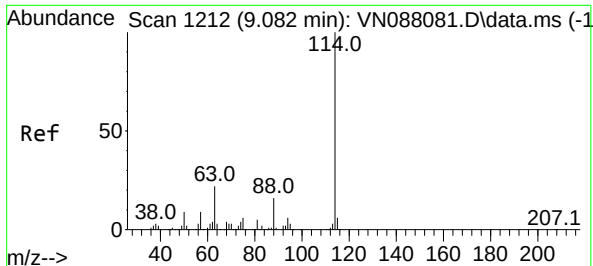
Tgt Ion:168 Resp: 214241
Ion Ratio Lower Upper
168 100
99 68.0 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 60.131 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088236.D
Acq: 10 Nov 2025 13:07

Tgt Ion: 65 Resp: 222767
Ion Ratio Lower Upper
65 100
67 50.9 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: VN088236.D

Acq: 10 Nov 2025 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1110MBL01

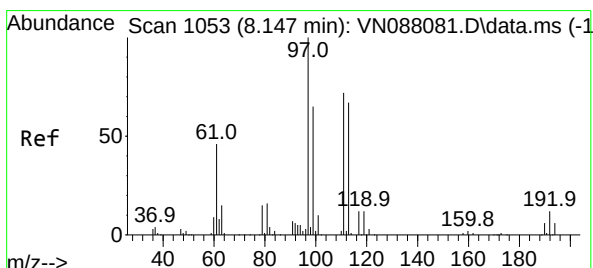
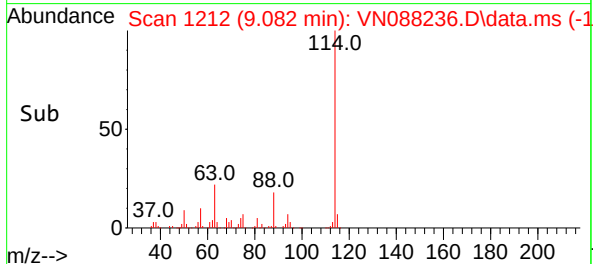
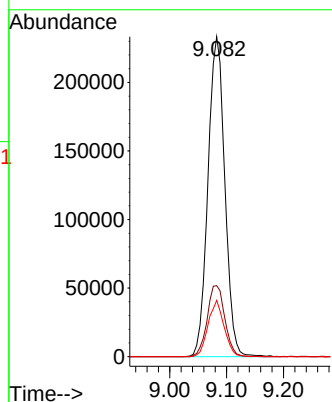
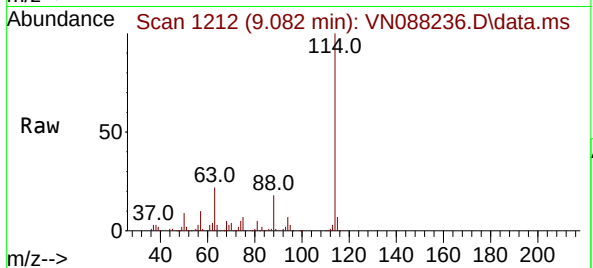
Tgt Ion:114 Resp: 480036

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

88 17.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 53.175 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088236.D

Acq: 10 Nov 2025 13:07

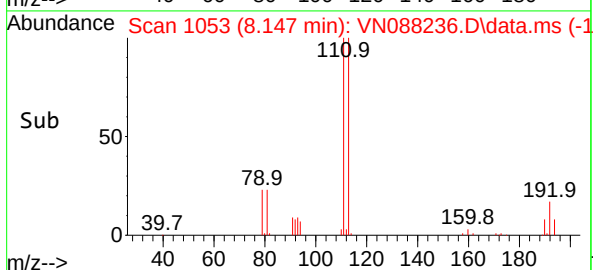
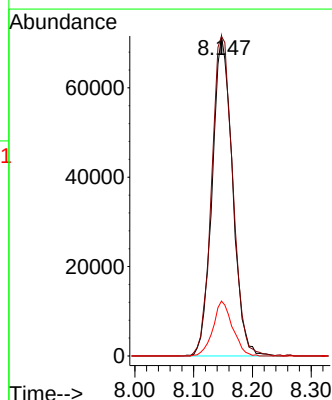
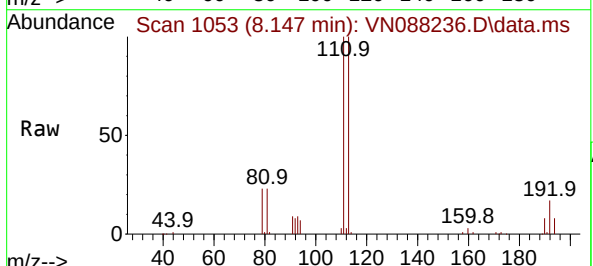
Tgt Ion:113 Resp: 171484

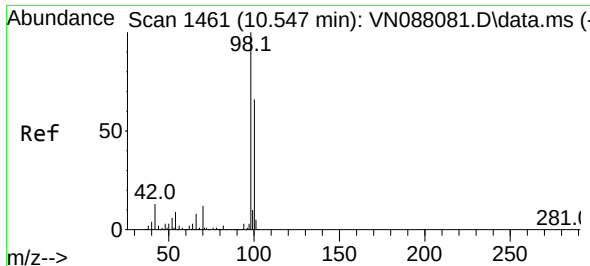
Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

192 16.5 12.8 19.2

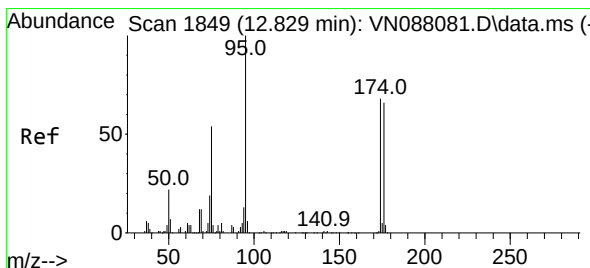
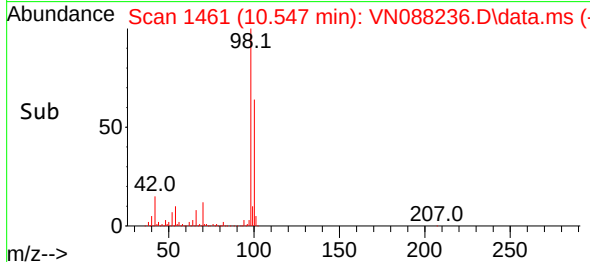
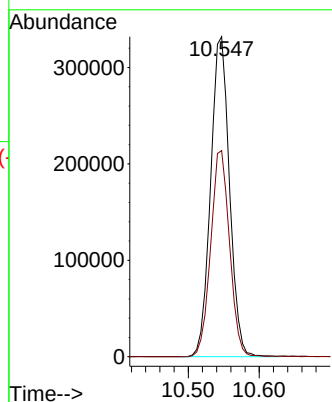
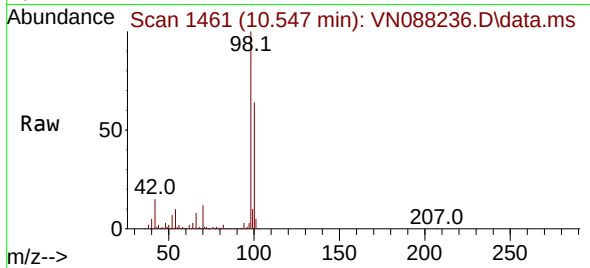




#50
Toluene-d8
Concen: 49.212 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088236.D
Acq: 10 Nov 2025 13:07

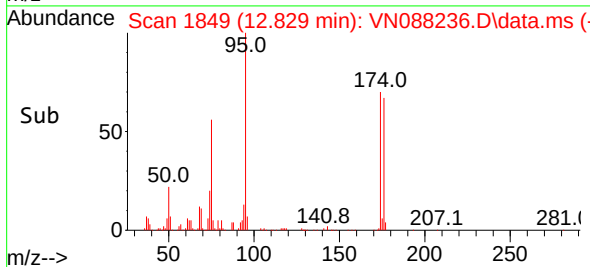
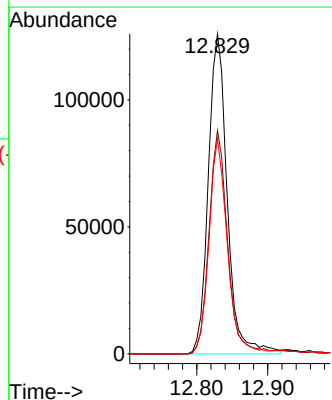
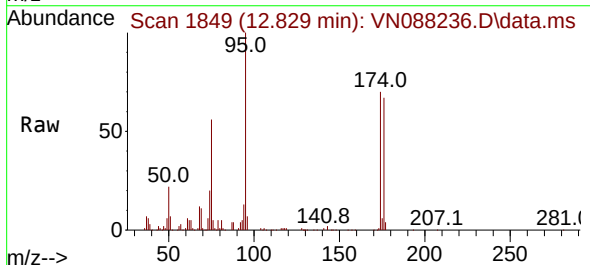
Instrument :
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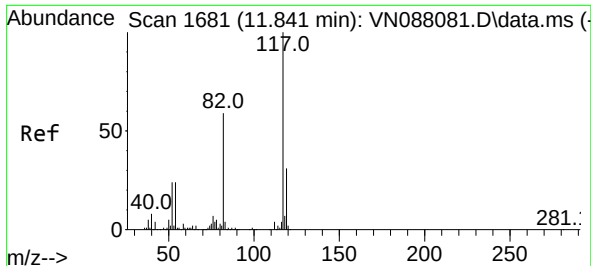
Tgt Ion: 98 Resp: 611516
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 53.190 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088236.D
Acq: 10 Nov 2025 13:07

Tgt Ion: 95 Resp: 233423
Ion Ratio Lower Upper
95 100
174 68.3 0.0 138.4
176 65.1 0.0 132.6

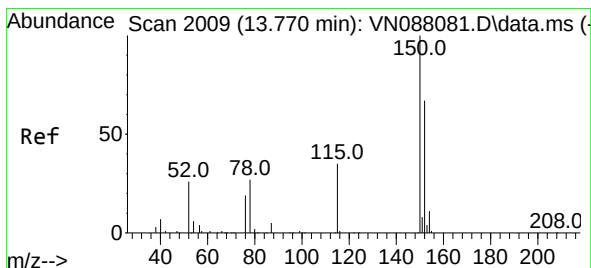
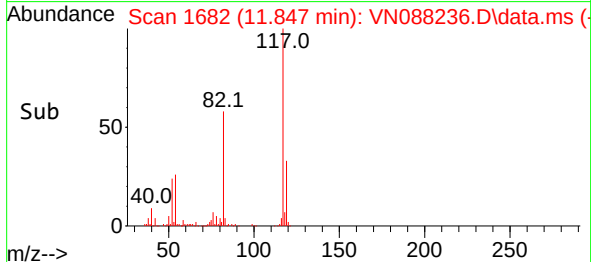
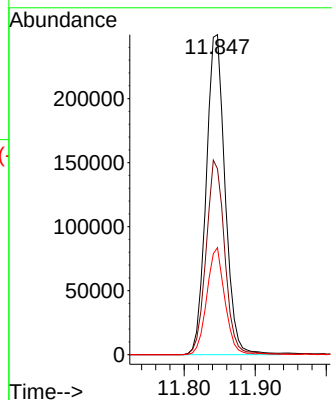
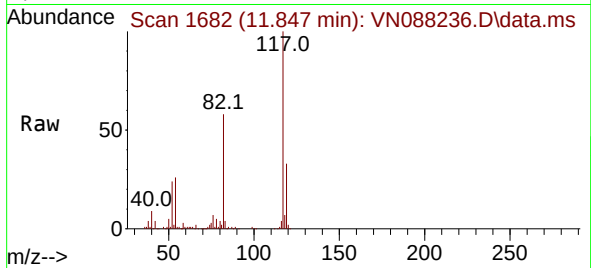




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088236.D
Acq: 10 Nov 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1110MBL01

Tgt Ion:117 Resp: 462720
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 33.4 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: VN088236.D
Acq: 10 Nov 2025 13:07

Tgt Ion:152 Resp: 223479
Ion Ratio Lower Upper
152 100
115 65.0 32.3 96.8
150 153.9 0.0 351.0

