

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
 Data File : VN088014.D
 Acq On : 03 Oct 2025 10:50
 Operator : JC\MD
 Sample : VN1003MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003MBL01

Quant Time: Oct 04 02:52:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	156171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	355926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	342908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	154810	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	160635	61.119	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	122.240%
35) Dibromofluoromethane	8.147	113	137978	53.392	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.780%
50) Toluene-d8	10.547	98	461978	50.836	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.680%
62) 4-Bromofluorobenzene	12.829	95	150151	46.224	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.440%

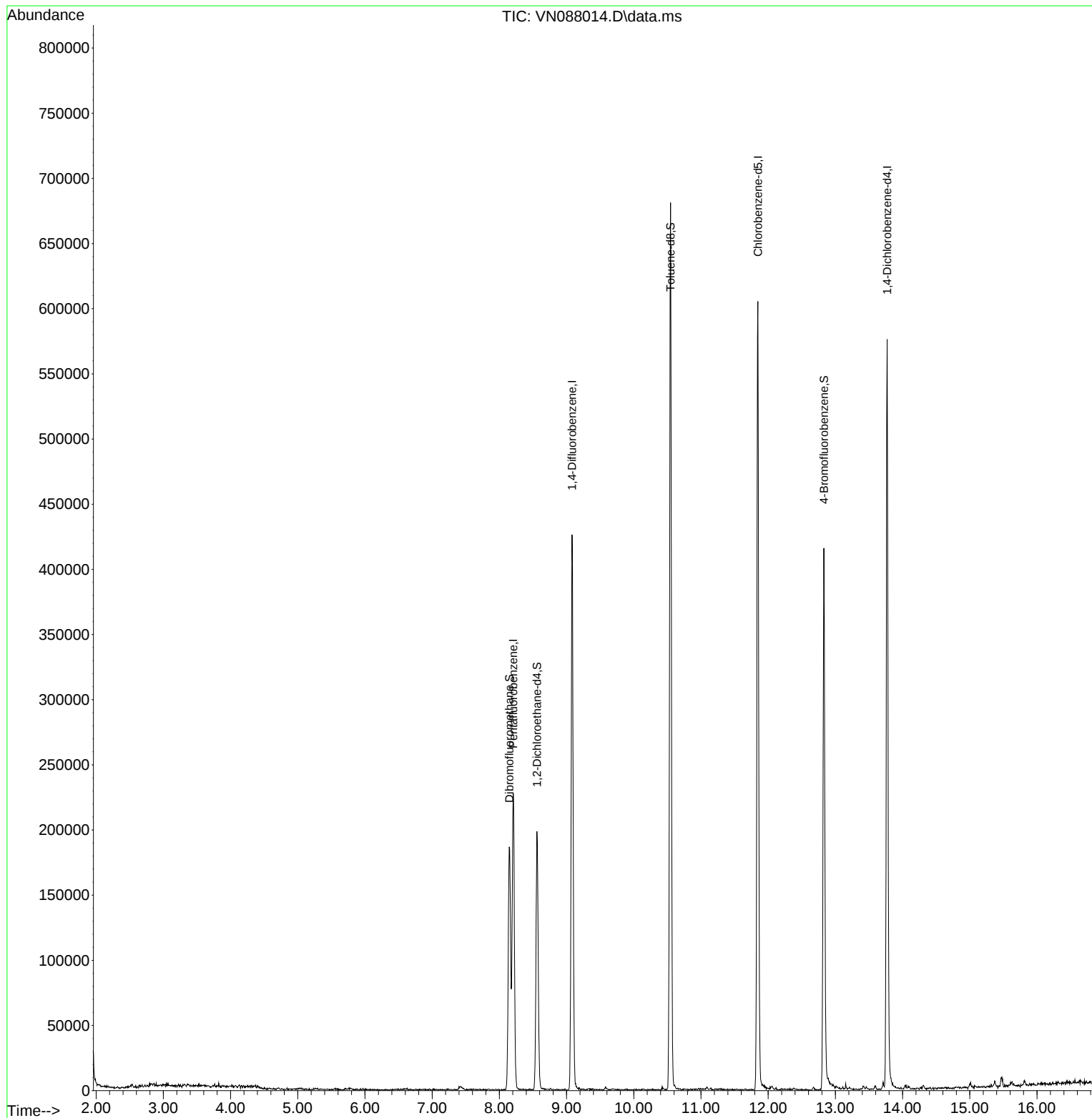
Target Compounds	Qvalue

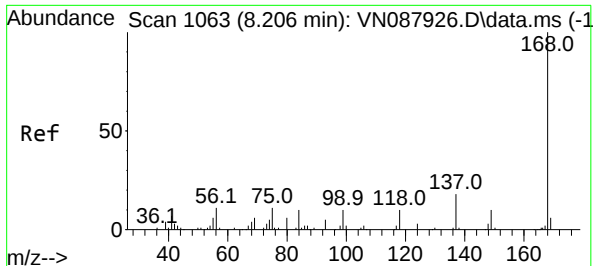
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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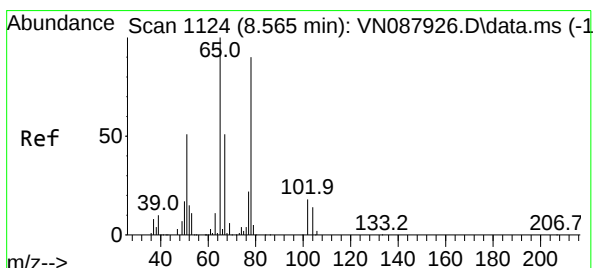
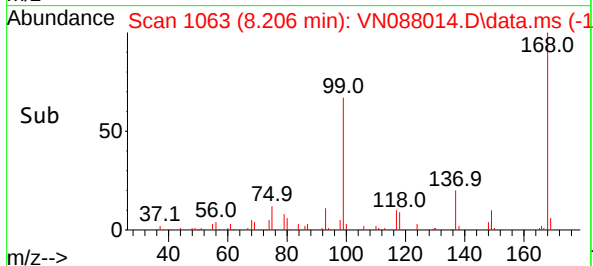
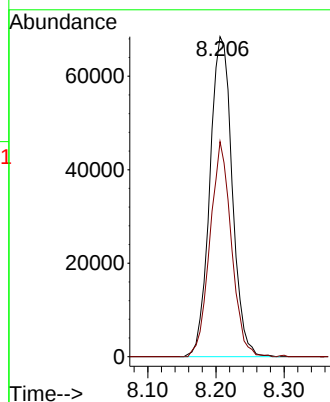
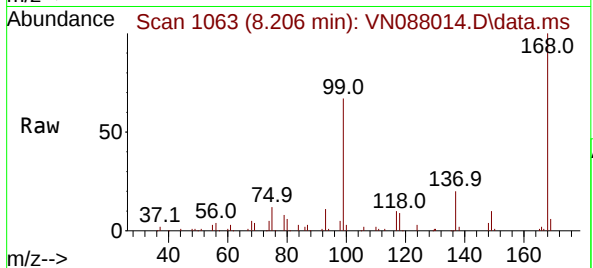




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088014.D
Acq: 03 Oct 2025 10:50

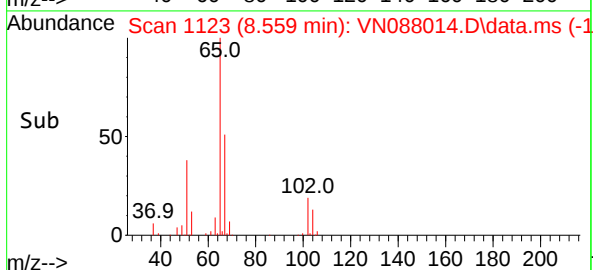
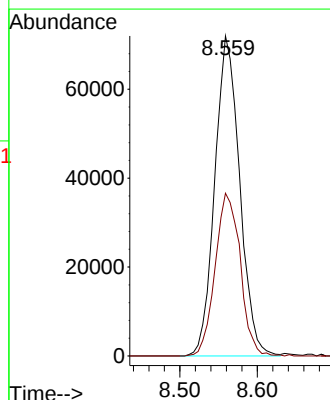
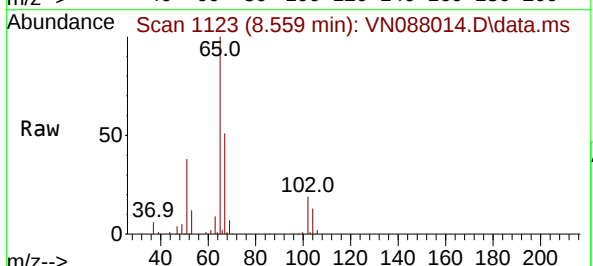
Instrument :
MSVOA_N
ClientSampleId :
VN1003MBL01

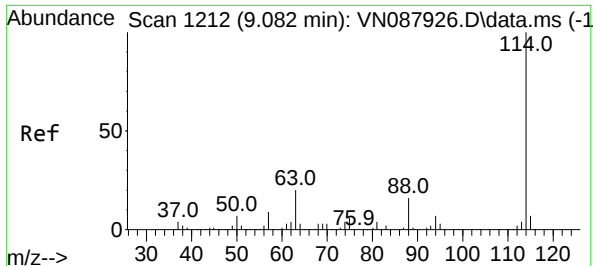
Tgt Ion:168 Resp: 156171
Ion Ratio Lower Upper
168 100
99 67.2 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 61.119 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088014.D
Acq: 03 Oct 2025 10:50

Tgt Ion: 65 Resp: 160635
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088014.D

Acq: 03 Oct 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1003MBL01

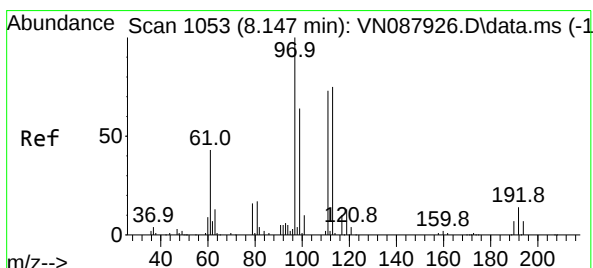
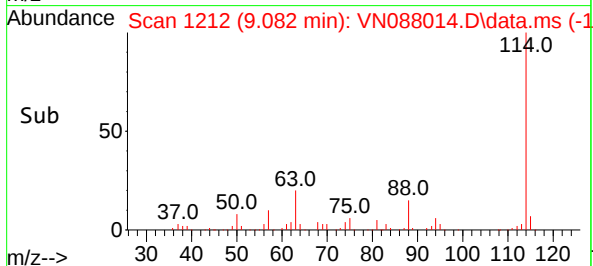
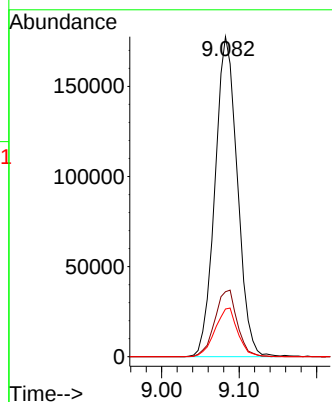
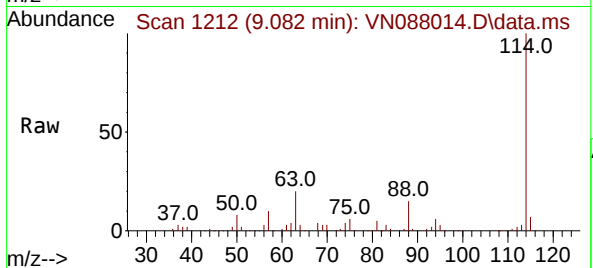
Tgt Ion:114 Resp: 355926

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.392 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VN088014.D

Acq: 03 Oct 2025 10:50

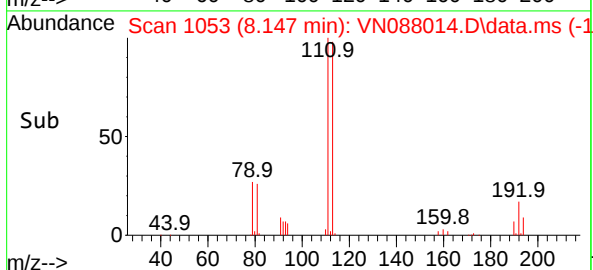
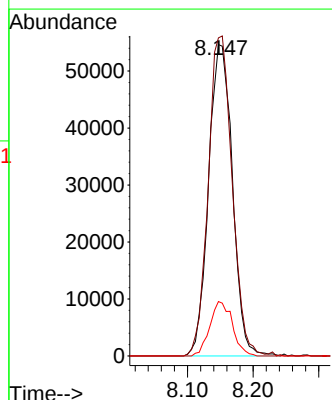
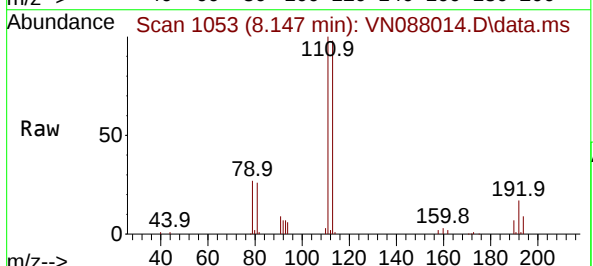
Tgt Ion:113 Resp: 137978

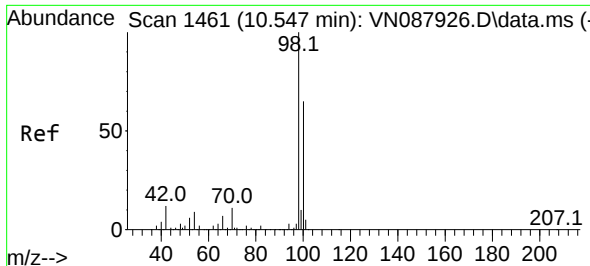
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 16.6 14.2 21.2

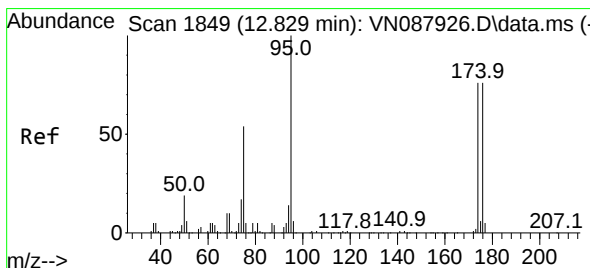
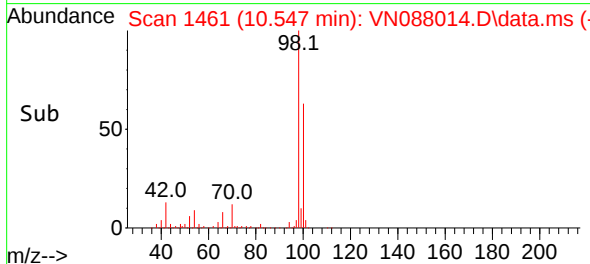
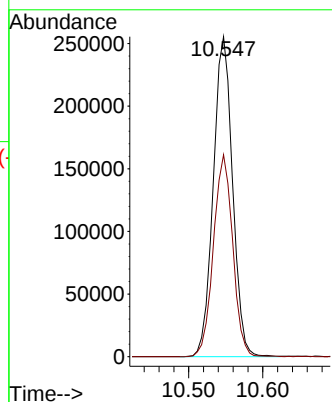
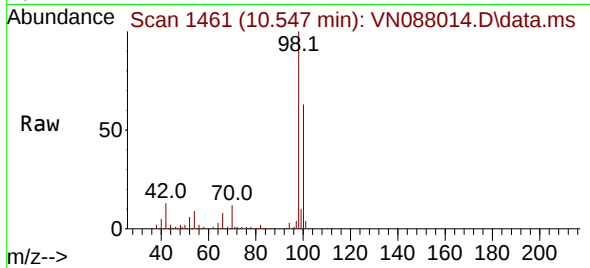




#50
Toluene-d8
Concen: 50.836 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088014.D
Acq: 03 Oct 2025 10:50

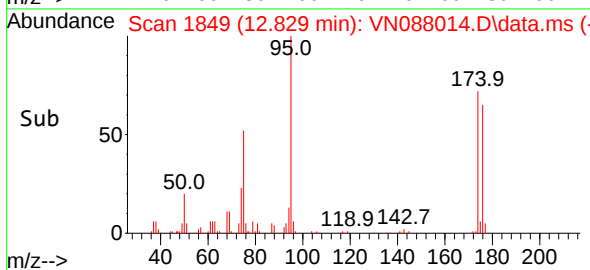
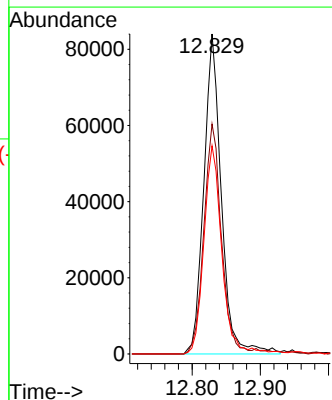
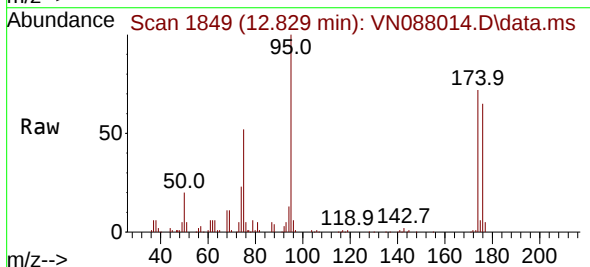
Instrument :
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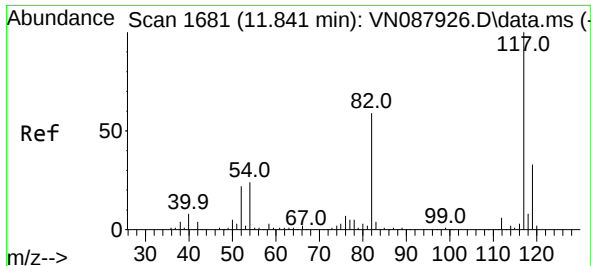
Tgt Ion: 98 Resp: 461978
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.224 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088014.D
Acq: 03 Oct 2025 10:50

Tgt Ion: 95 Resp: 150151
Ion Ratio Lower Upper
95 100
174 72.1 0.0 159.2
176 67.0 0.0 152.6

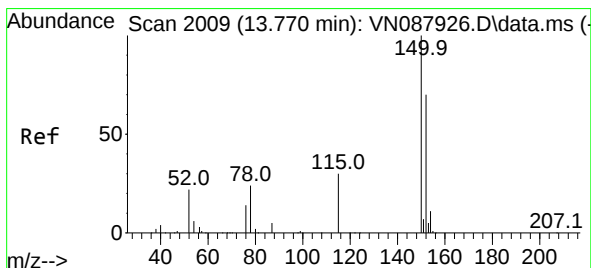
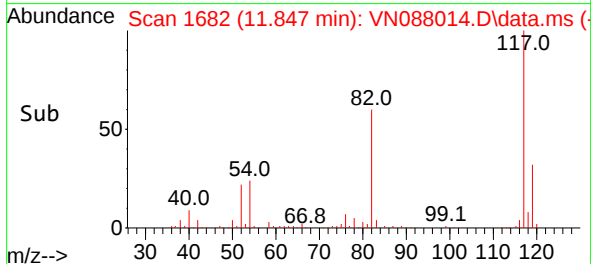
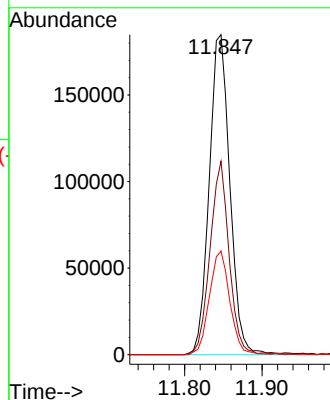
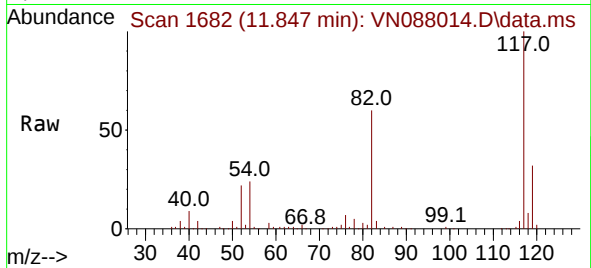




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN088014.D
Acq: 03 Oct 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1003MBL01

Tgt Ion:117 Resp: 342908
Ion Ratio Lower Upper
117 100
82 60.4 47.0 70.4
119 32.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088014.D
Acq: 03 Oct 2025 10:50

Tgt Ion:152 Resp: 154810
Ion Ratio Lower Upper
152 100
115 62.2 29.9 89.7
150 158.5 0.0 335.0

