

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
 Data File : VN087938.D
 Acq On : 24 Sep 2025 11:04
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 25 03:08:16 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	8.212	168	184258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	390513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	375440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	169941	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	169146	54.547	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.100%
35) Dibromofluoromethane	8.147	113	143911	50.756	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.520%
50) Toluene-d8	10.547	98	490463	49.190	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.380%
62) 4-Bromofluorobenzene	12.829	95	164238	46.082	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.160%

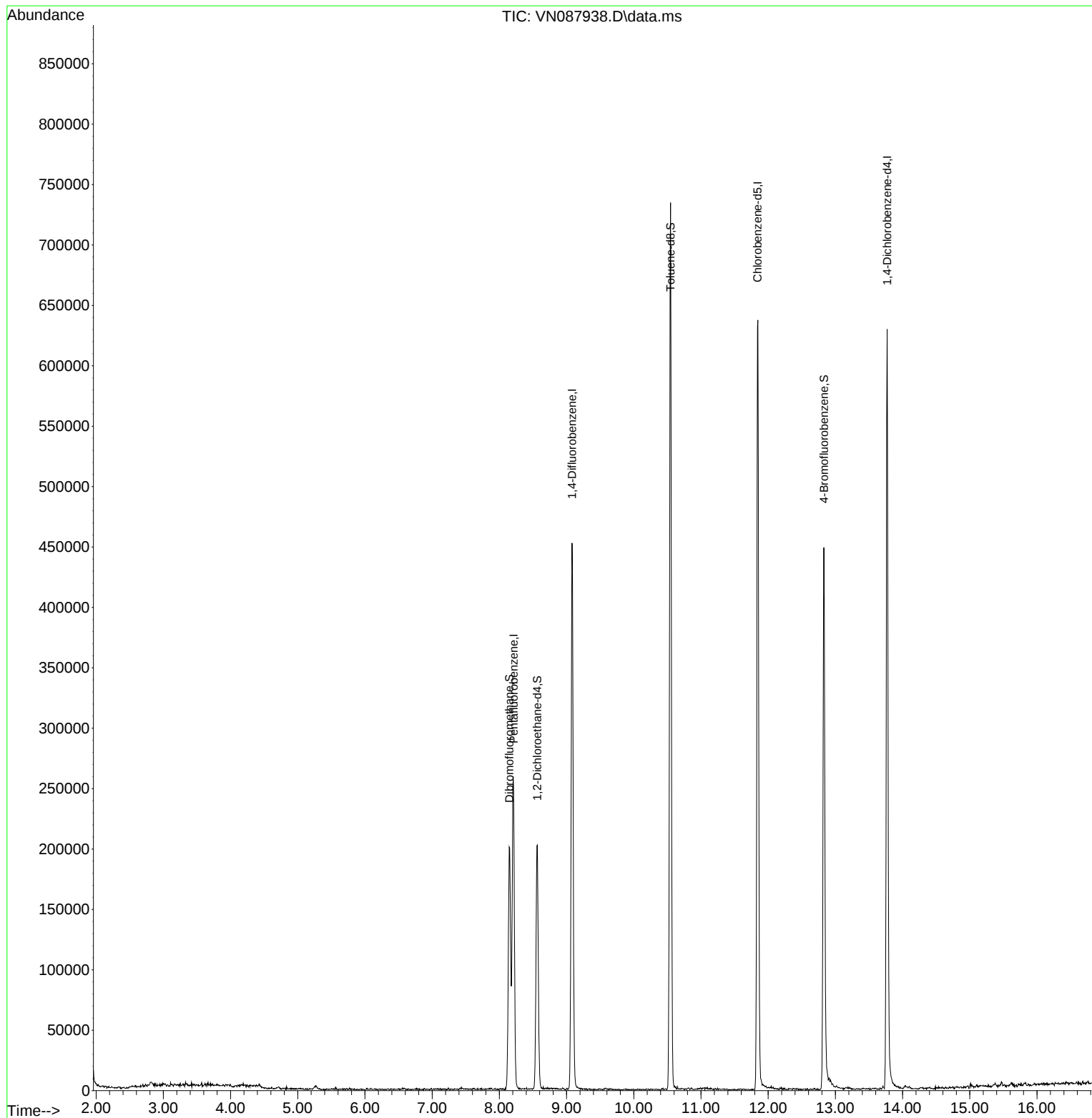
Target Compounds	Qvalue

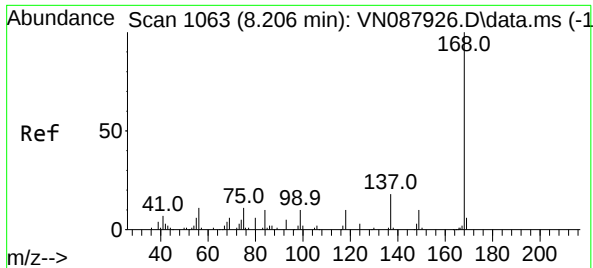
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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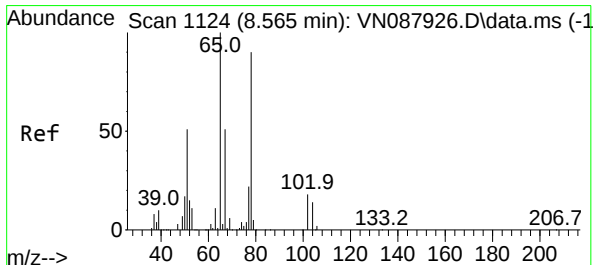
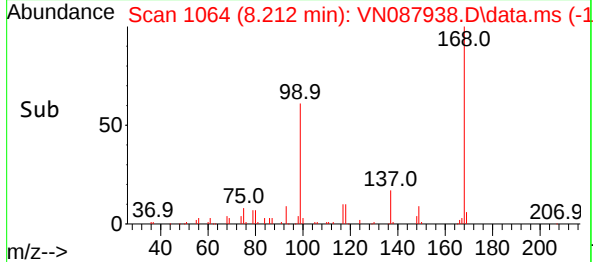
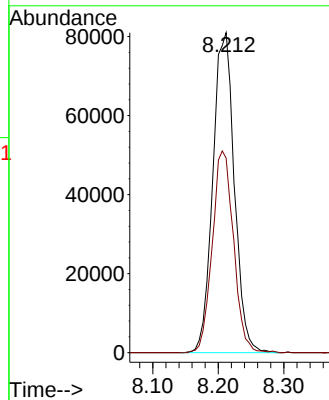
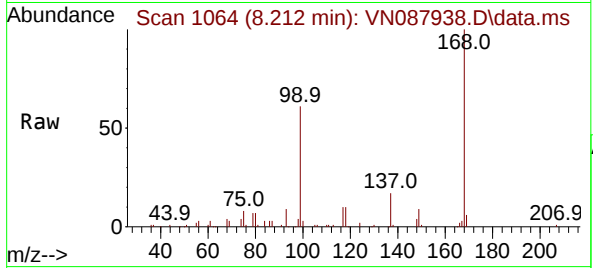




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087938.D
Acq: 24 Sep 2025 11:04

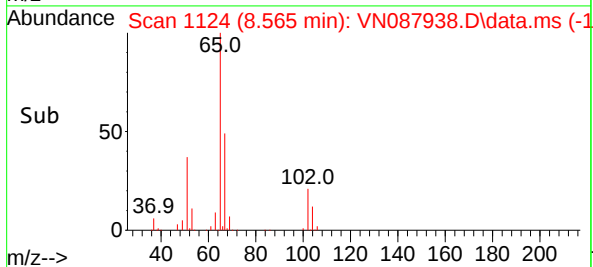
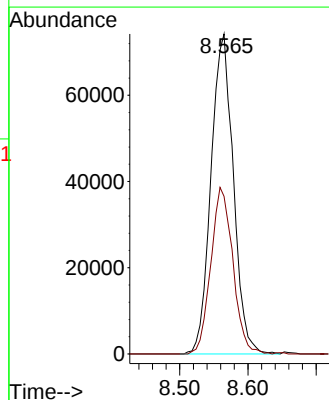
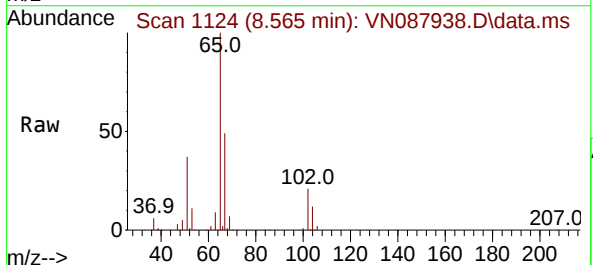
Instrument :
MSVOA_N
ClientSampleId :
IBLK

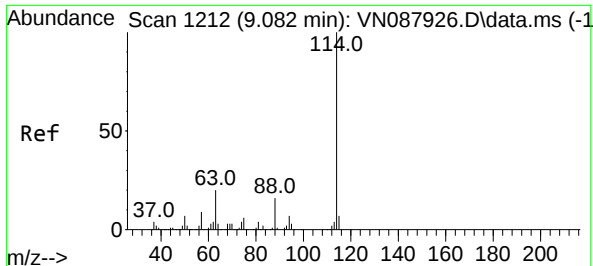
Tgt Ion:168 Resp: 184258
Ion Ratio Lower Upper
168 100
99 60.8 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 54.547 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087938.D
Acq: 24 Sep 2025 11:04

Tgt Ion: 65 Resp: 169146
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087938.D

Acq: 24 Sep 2025 11:04

Instrument :

MSVOA_N

ClientSampleId :

IBLK

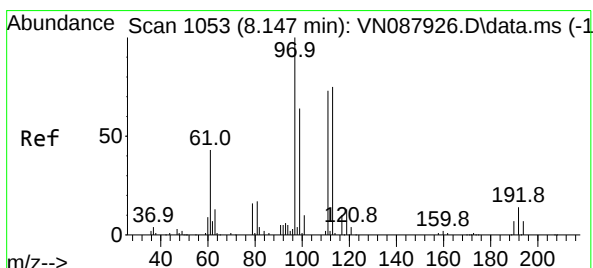
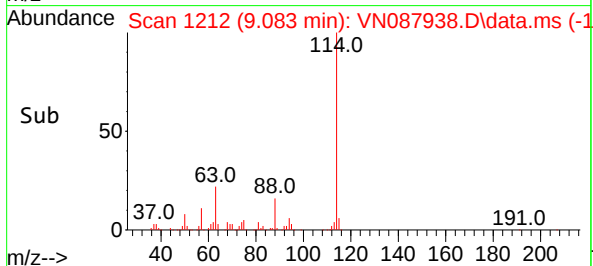
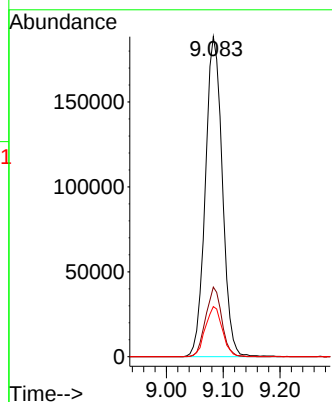
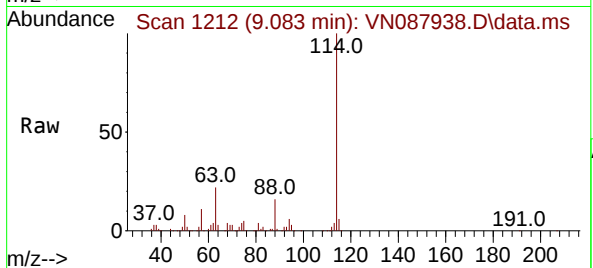
Tgt Ion:114 Resp: 390513

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.756 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087938.D

Acq: 24 Sep 2025 11:04

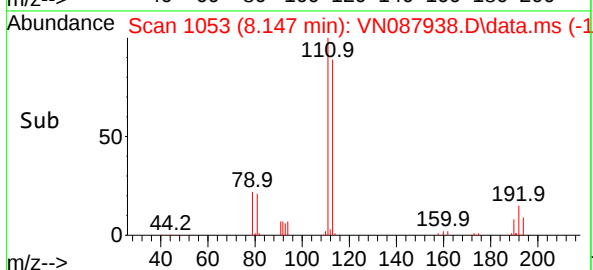
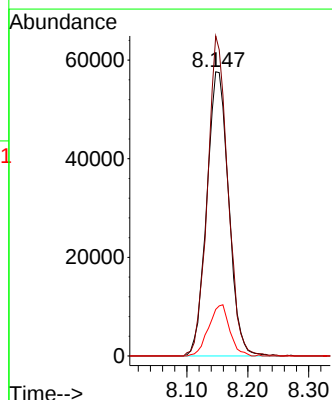
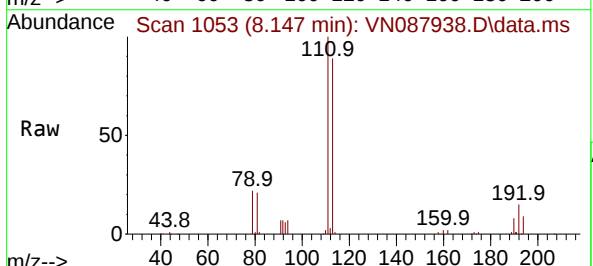
Tgt Ion:113 Resp: 143911

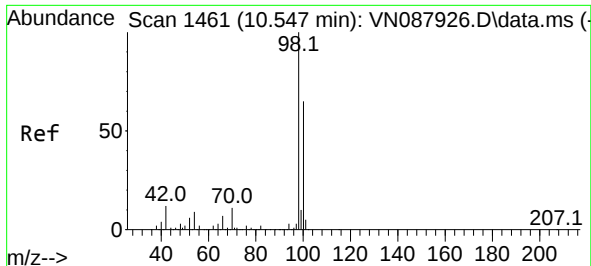
Ion Ratio Lower Upper

113 100

111 104.8 82.2 123.2

192 17.3 14.2 21.2

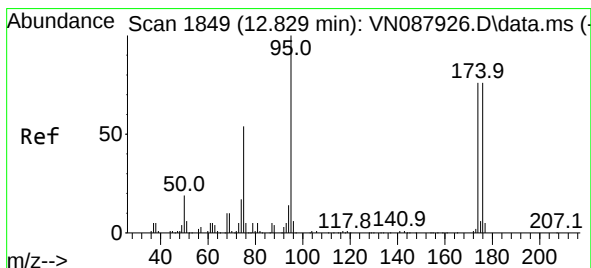
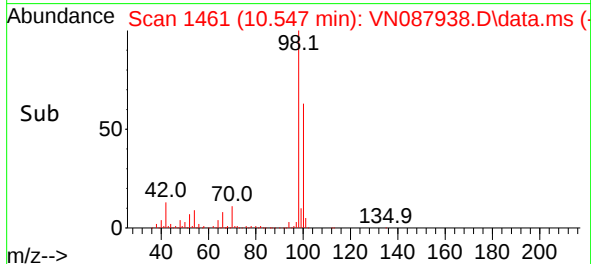
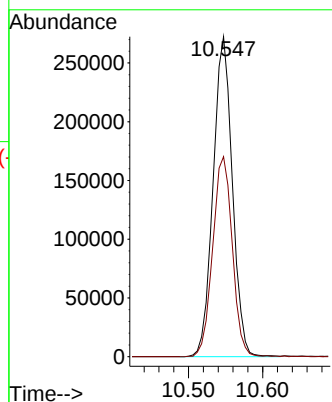
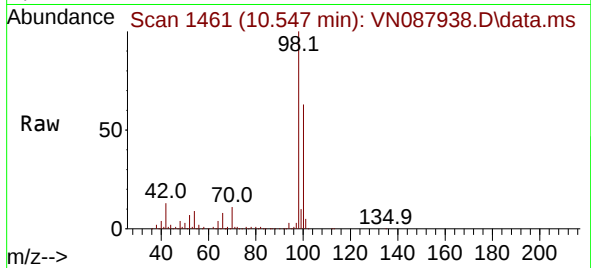




#50
Toluene-d8
Concen: 49.190 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087938.D
Acq: 24 Sep 2025 11:04

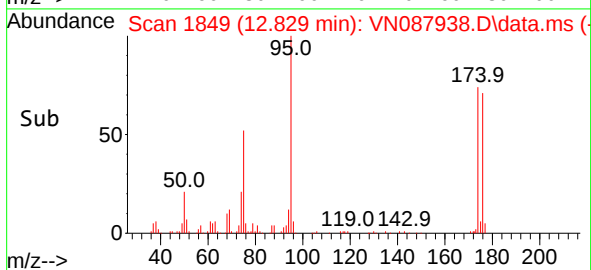
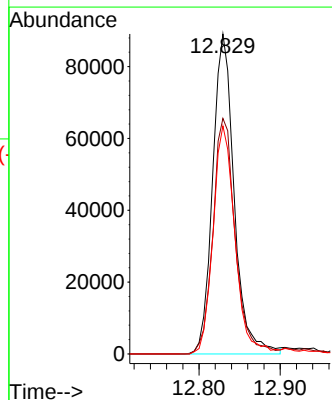
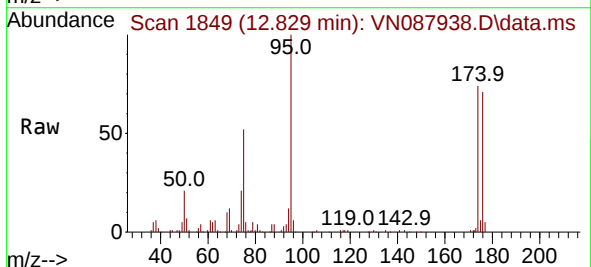
Instrument :
MSVOA_N
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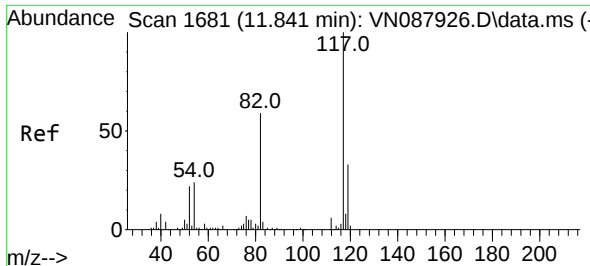
Tgt Ion: 98 Resp: 490463
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.082 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087938.D
Acq: 24 Sep 2025 11:04

Tgt Ion: 95 Resp: 164238
Ion Ratio Lower Upper
95 100
174 76.0 0.0 159.2
176 72.6 0.0 152.6

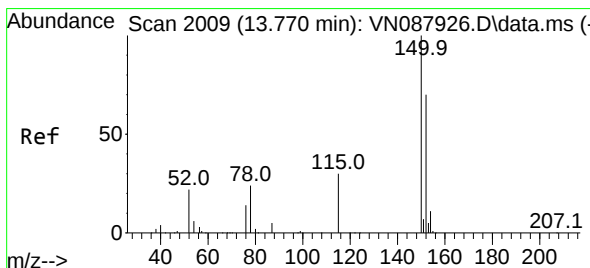
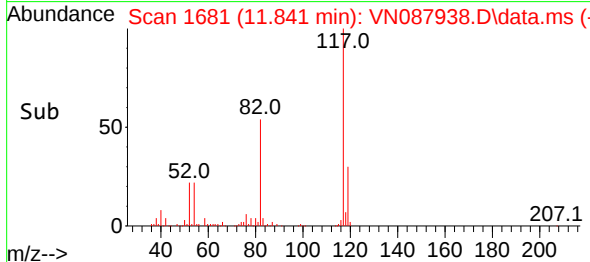
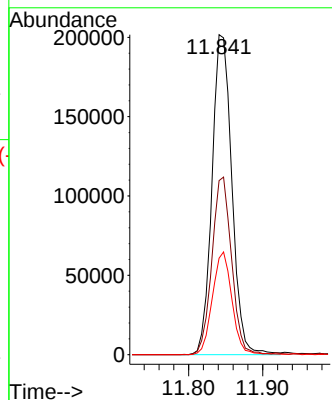
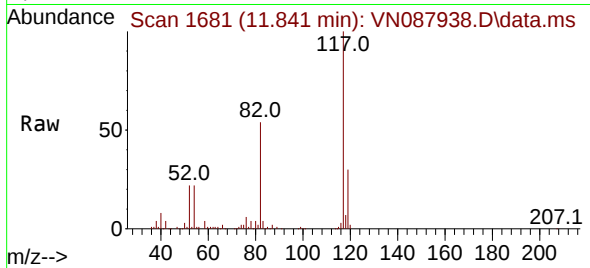




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN087938.D
Acq: 24 Sep 2025 11:04

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 375440
Ion Ratio Lower Upper
117 100
82 54.4 47.0 70.4
119 30.2 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: VN087938.D
Acq: 24 Sep 2025 11:04

Tgt Ion:152 Resp: 169941
Ion Ratio Lower Upper
152 100
115 63.3 29.9 89.7
150 163.5 0.0 335.0

