

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
 Data File : VN087939.D
 Acq On : 24 Sep 2025 11:25
 Operator : JC\MD
 Sample : Q3155-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Sep 25 03:08:41 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	174992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	380143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	371356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	173790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	169132	57.431	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.860%	
35) Dibromofluoromethane	8.147	113	145521	52.724	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.440%	
50) Toluene-d8	10.547	98	482202	49.681	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.360%	
62) 4-Bromofluorobenzene	12.829	95	156995	45.252	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.500%	

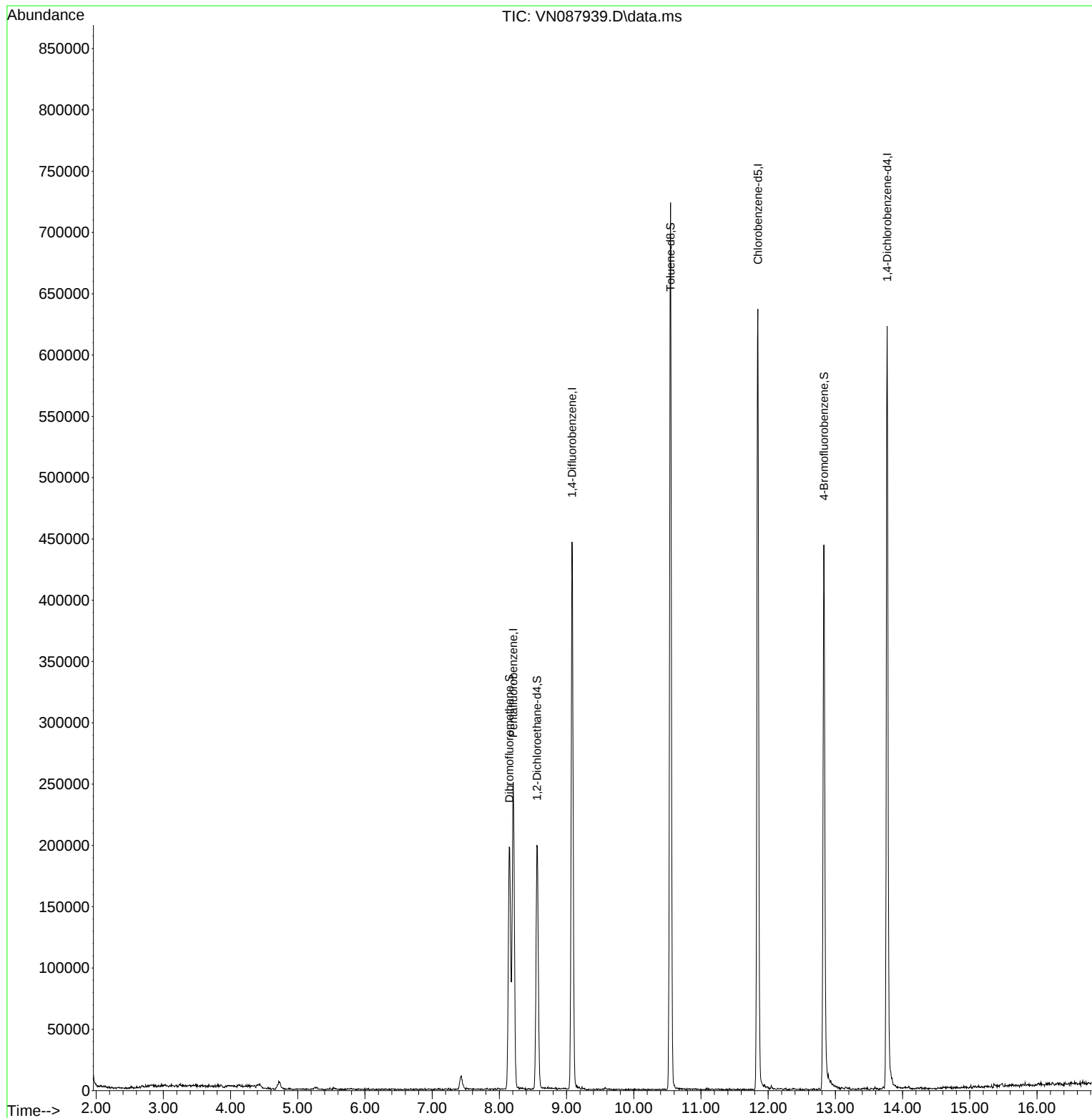
Target Compounds	Qvalue

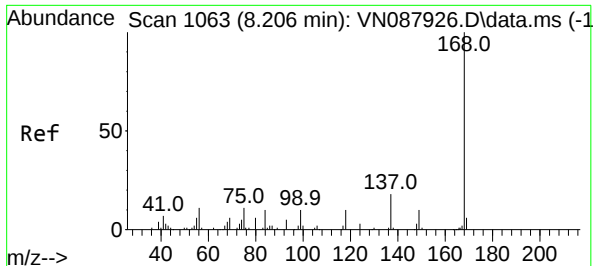
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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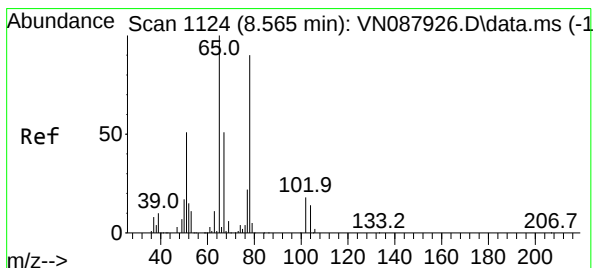
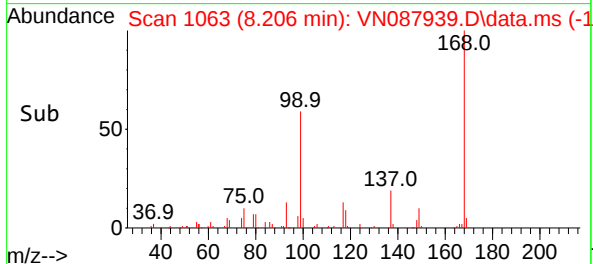
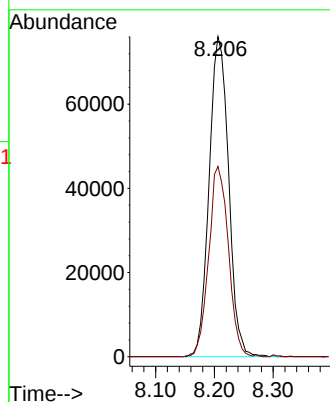
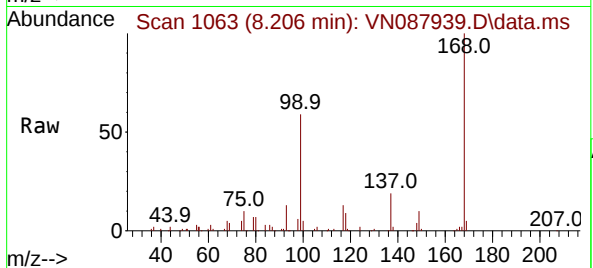




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

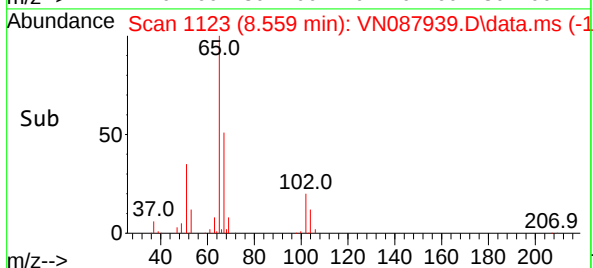
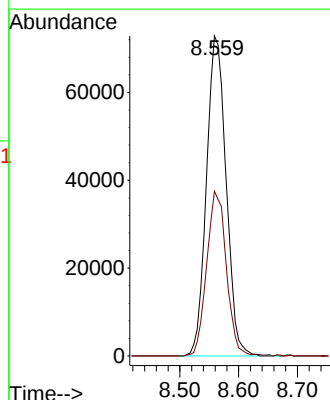
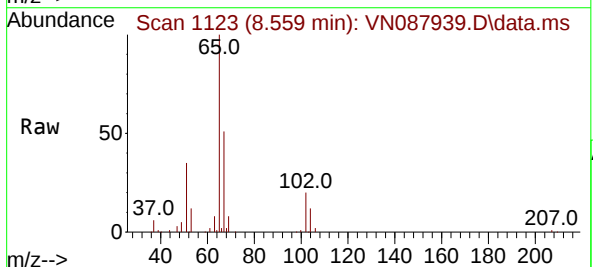
Instrument :
MSVOA_N
ClientSampleId :
TB

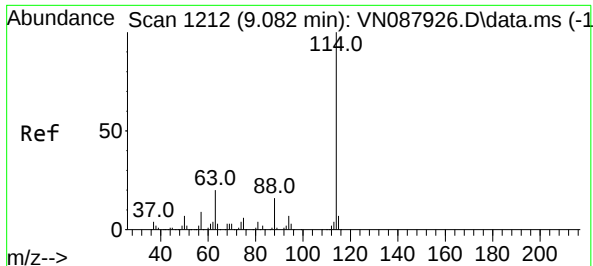
Tgt Ion:168 Resp: 174992
Ion Ratio Lower Upper
168 100
99 59.4 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 57.431 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

Tgt Ion: 65 Resp: 169132
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087939.D

Acq: 24 Sep 2025 11:25

Instrument :

MSVOA_N

ClientSampleId :

TB

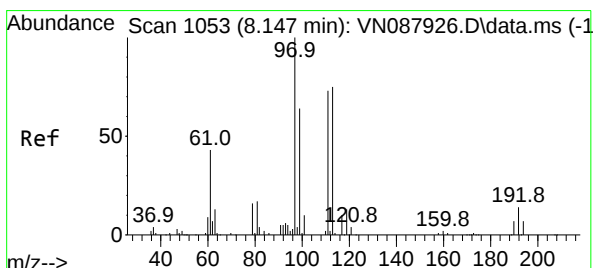
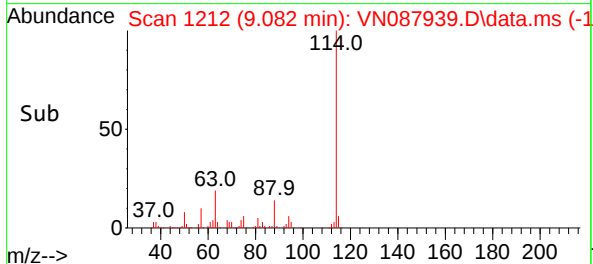
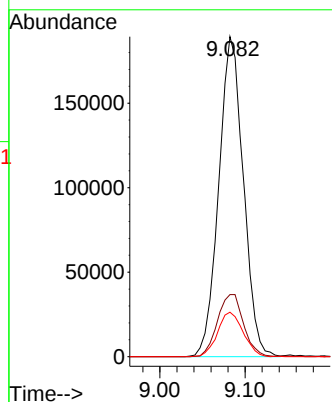
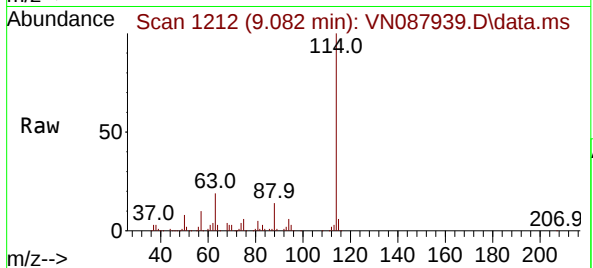
Tgt Ion:114 Resp: 380143

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.724 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VN087939.D

Acq: 24 Sep 2025 11:25

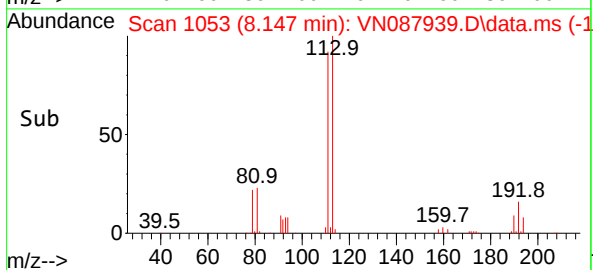
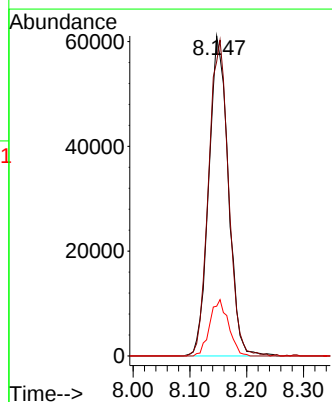
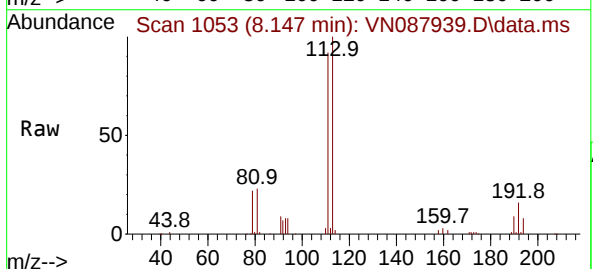
Tgt Ion:113 Resp: 145521

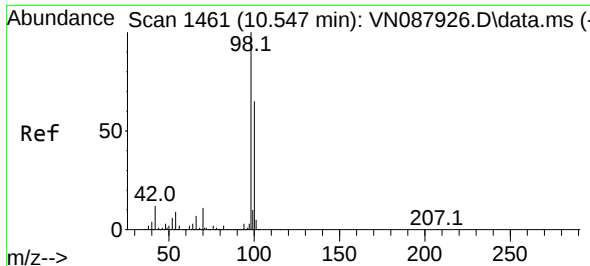
Ion Ratio Lower Upper

113 100

111 100.6 82.2 123.2

192 16.9 14.2 21.2

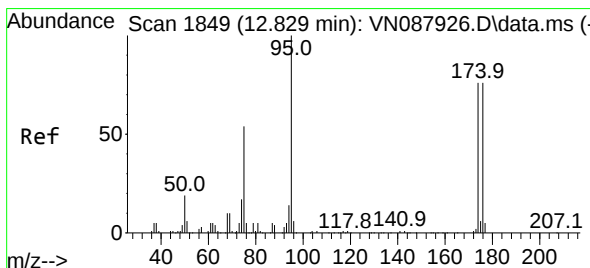
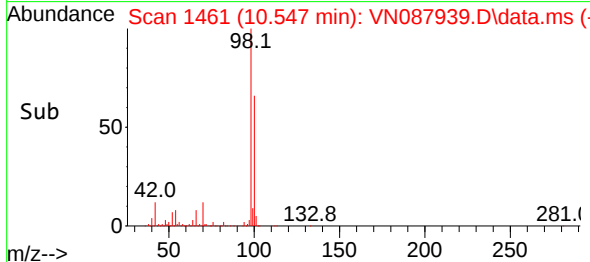
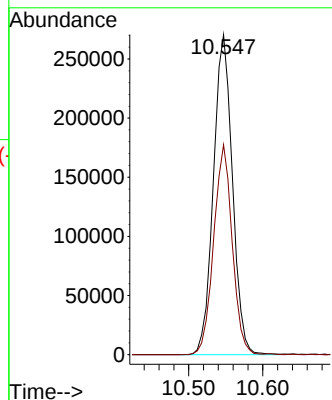
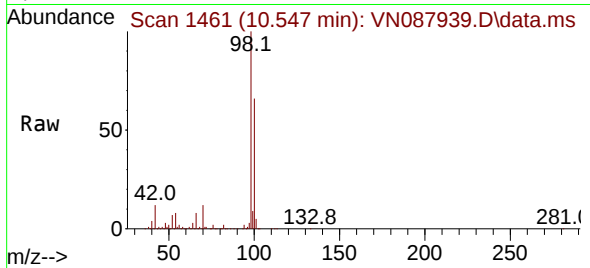




#50
Toluene-d8
Concen: 49.681 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

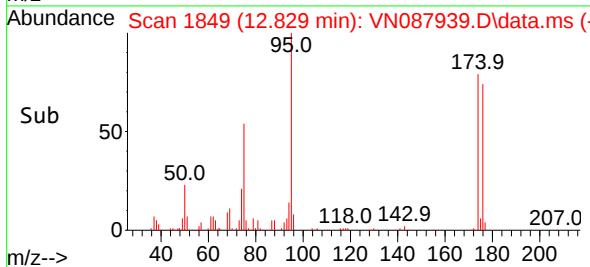
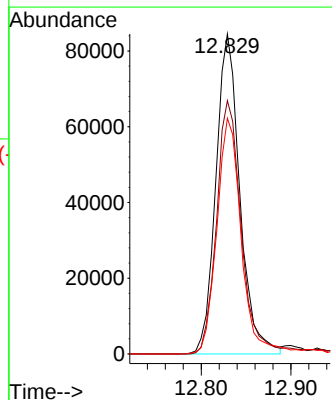
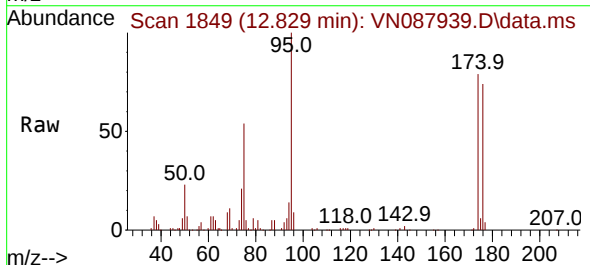
Instrument :
MSVOA_N
ClientSampleId :
TB

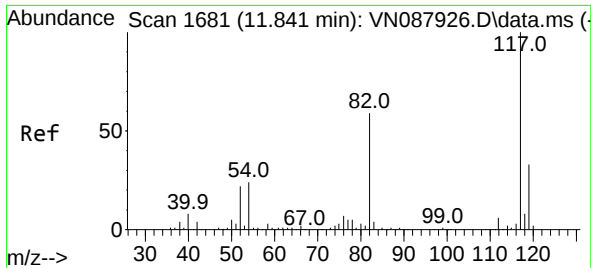
Tgt Ion: 98 Resp: 482202
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.252 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

Tgt Ion: 95 Resp: 156995
Ion Ratio Lower Upper
95 100
174 82.1 0.0 159.2
176 75.1 0.0 152.6

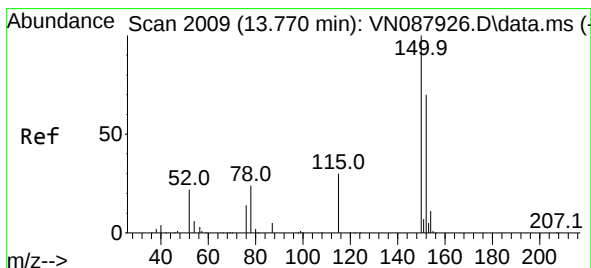
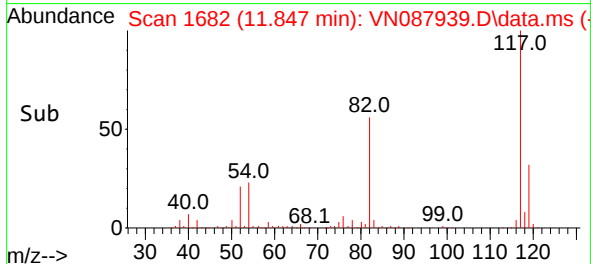
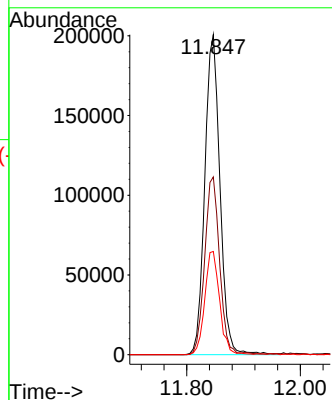
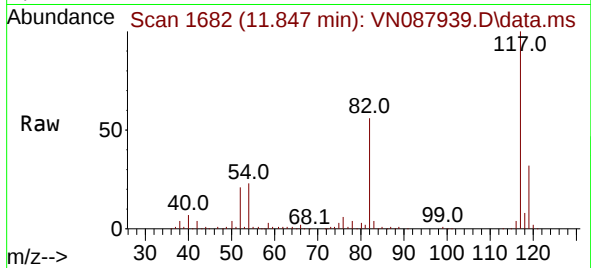




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

Instrument :
MSVOA_N
ClientSampleId :
TB

Tgt Ion:117 Resp: 371356
Ion Ratio Lower Upper
117 100
82 55.6 47.0 70.4
119 32.2 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: VN087939.D
Acq: 24 Sep 2025 11:25

Tgt Ion:152 Resp: 173790
Ion Ratio Lower Upper
152 100
115 59.2 29.9 89.7
150 158.4 0.0 335.0

