

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093025\
 Data File : VN087991.D
 Acq On : 30 Sep 2025 09:55
 Operator : JC\MD
 Sample : VN0930WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBL01

Quant Time: Oct 01 04:37:54 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	183952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	394412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	385540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	176728	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	162965	52.641	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.280%
35) Dibromofluoromethane	8.153	113	137275	47.937	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.880%
50) Toluene-d8	10.547	98	461789	45.856	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.720%
62) 4-Bromofluorobenzene	12.829	95	156007	43.340	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	86.680%

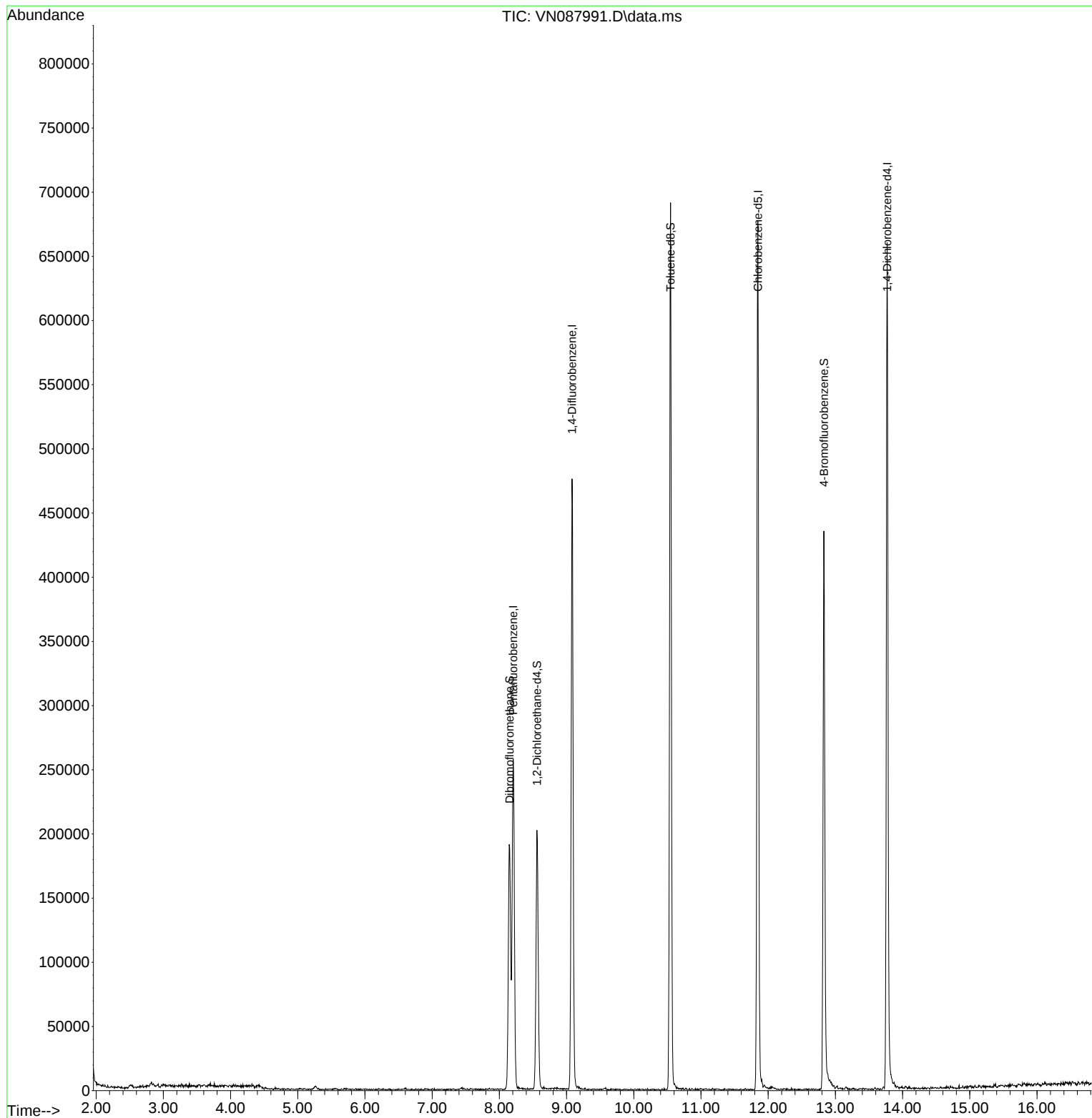
Target Compounds	Qvalue

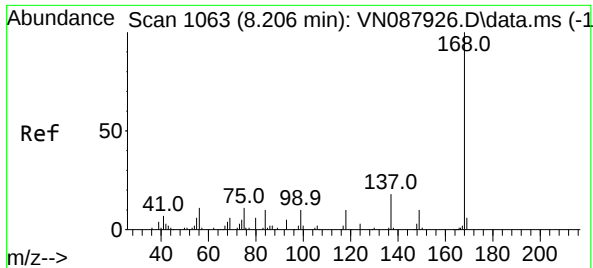
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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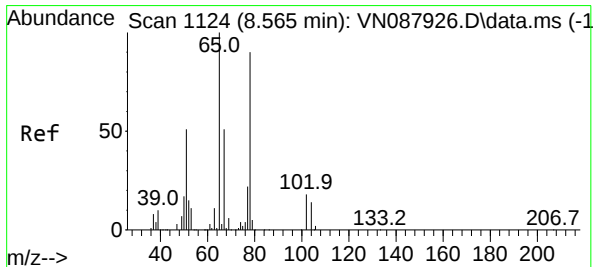
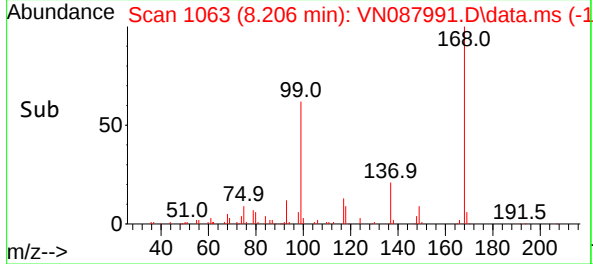
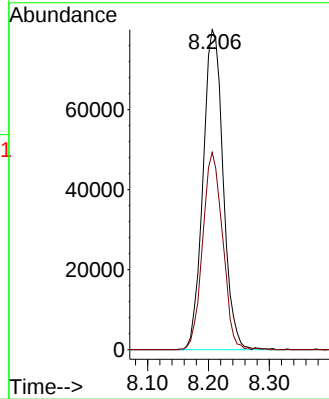
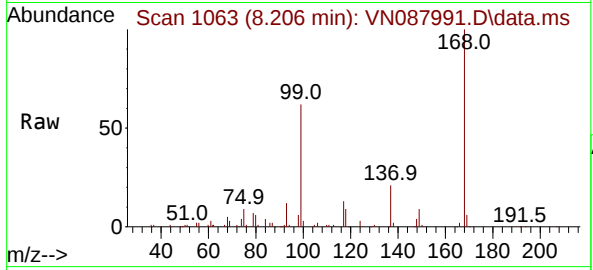




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

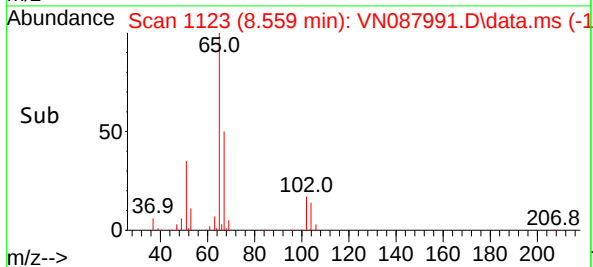
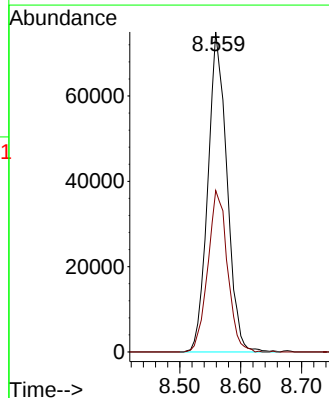
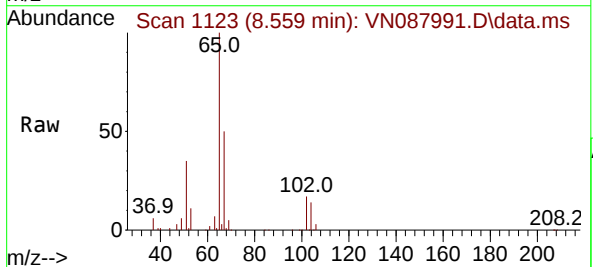
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

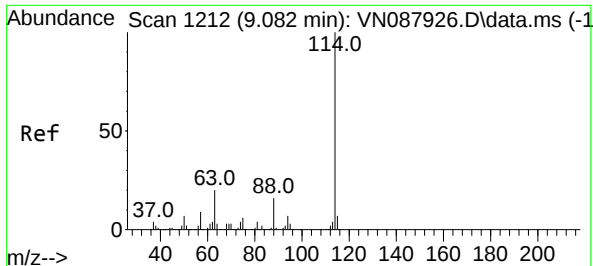
Tgt Ion:168 Resp: 183952
Ion Ratio Lower Upper
168 100
99 61.6 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 52.641 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

Tgt Ion: 65 Resp: 162965
Ion Ratio Lower Upper
65 100
67 52.0 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: VN087991.D

Acq: 30 Sep 2025 09:55

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBL01

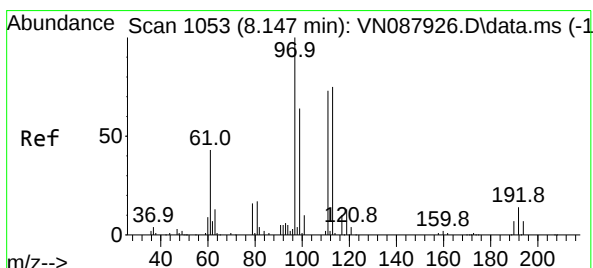
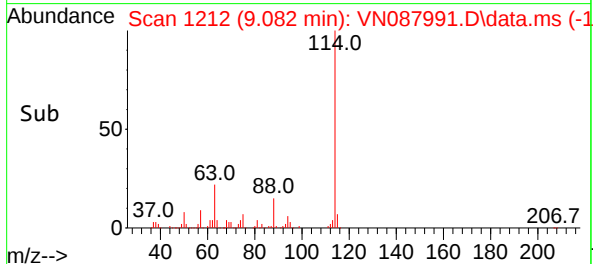
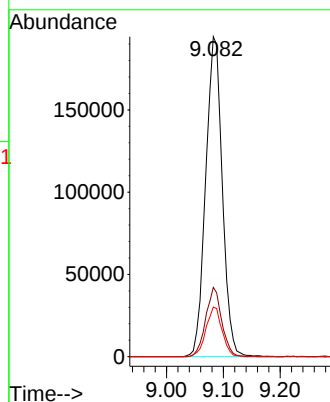
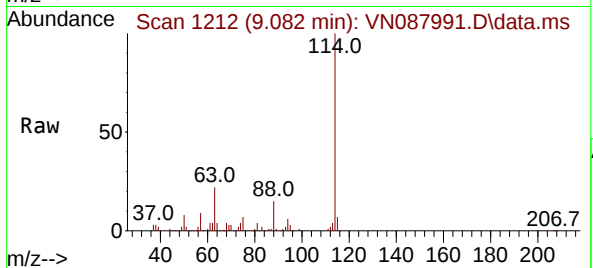
Tgt Ion:114 Resp: 394412

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.937 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087991.D

Acq: 30 Sep 2025 09:55

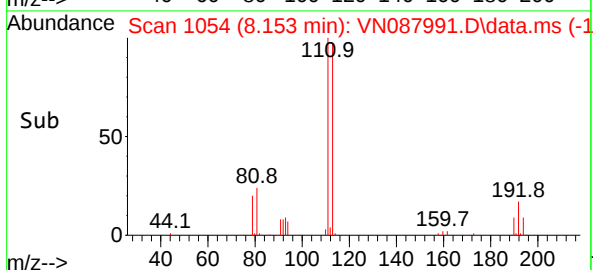
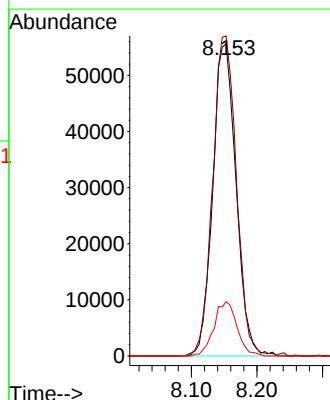
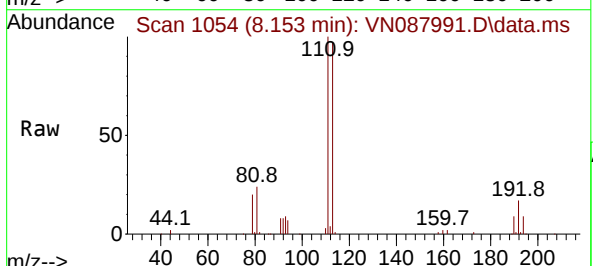
Tgt Ion:113 Resp: 137275

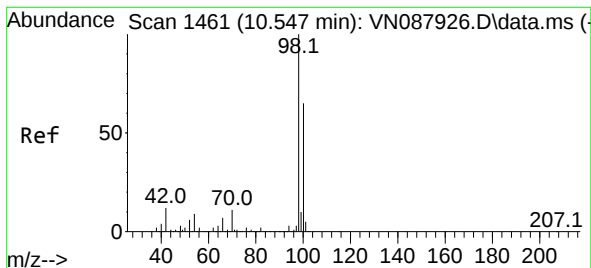
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

192 17.2 14.2 21.2

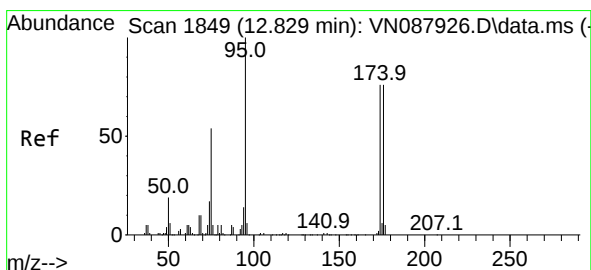
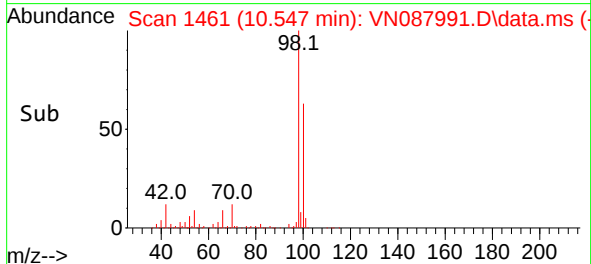
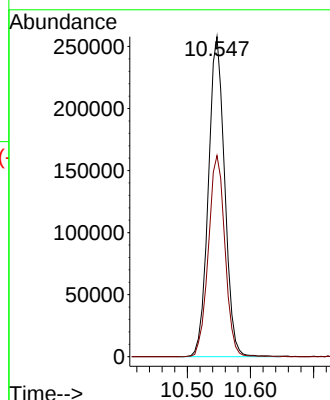
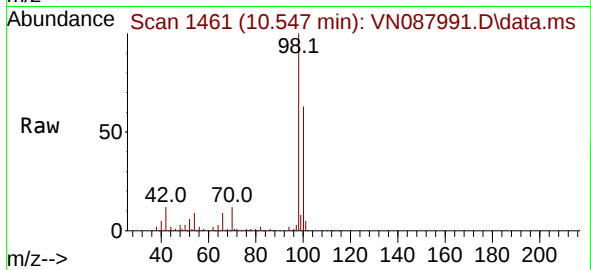




#50
Toluene-d8
Concen: 45.856 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

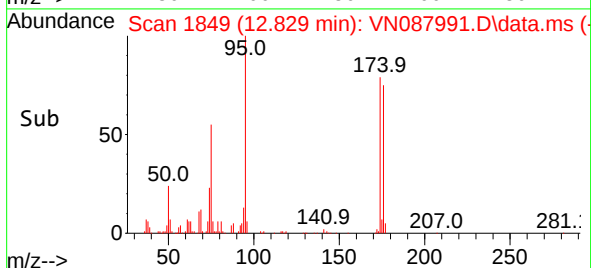
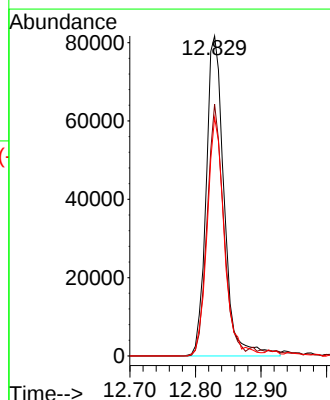
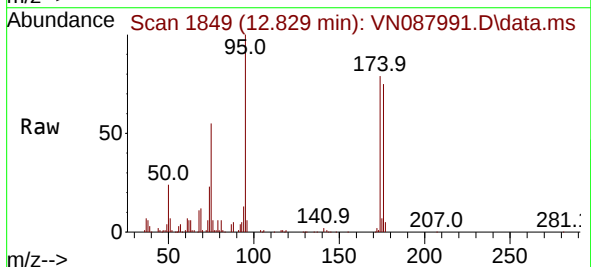
Instrument :
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VN0930WBL01

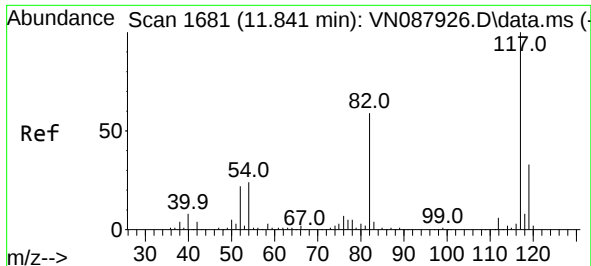
Tgt Ion: 98 Resp: 461789
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 43.340 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

Tgt Ion: 95 Resp: 156007
Ion Ratio Lower Upper
95 100
174 72.2 0.0 159.2
176 71.1 0.0 152.6

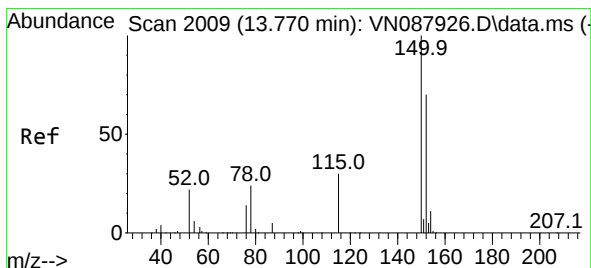
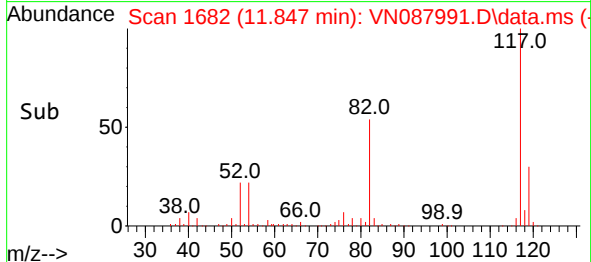
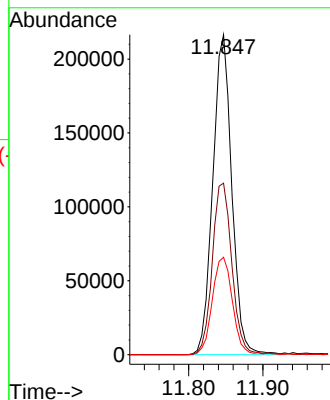
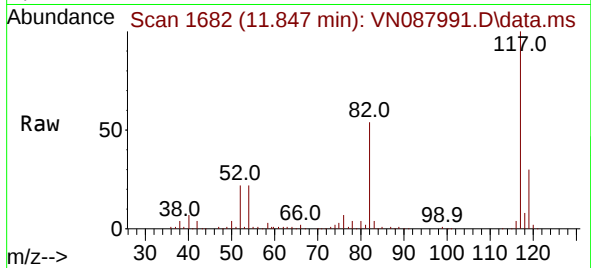




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

Tgt Ion:117 Resp: 385540
Ion Ratio Lower Upper
117 100
82 53.6 47.0 70.4
119 30.5 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: VN087991.D
Acq: 30 Sep 2025 09:55

Tgt Ion:152 Resp: 176728
Ion Ratio Lower Upper
152 100
115 60.2 29.9 89.7
150 162.6 0.0 335.0

