

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
 Data File : VN087798.D
 Acq On : 11 Sep 2025 15:25
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Sep 12 02:54:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	195926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	439253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	420583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	194604	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	204019	50.823	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.640%
35) Dibromofluoromethane	8.147	113	162265	51.165	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.340%
50) Toluene-d8	10.547	98	568396	47.885	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.780%
62) 4-Bromofluorobenzene	12.829	95	193112	45.747	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.500%

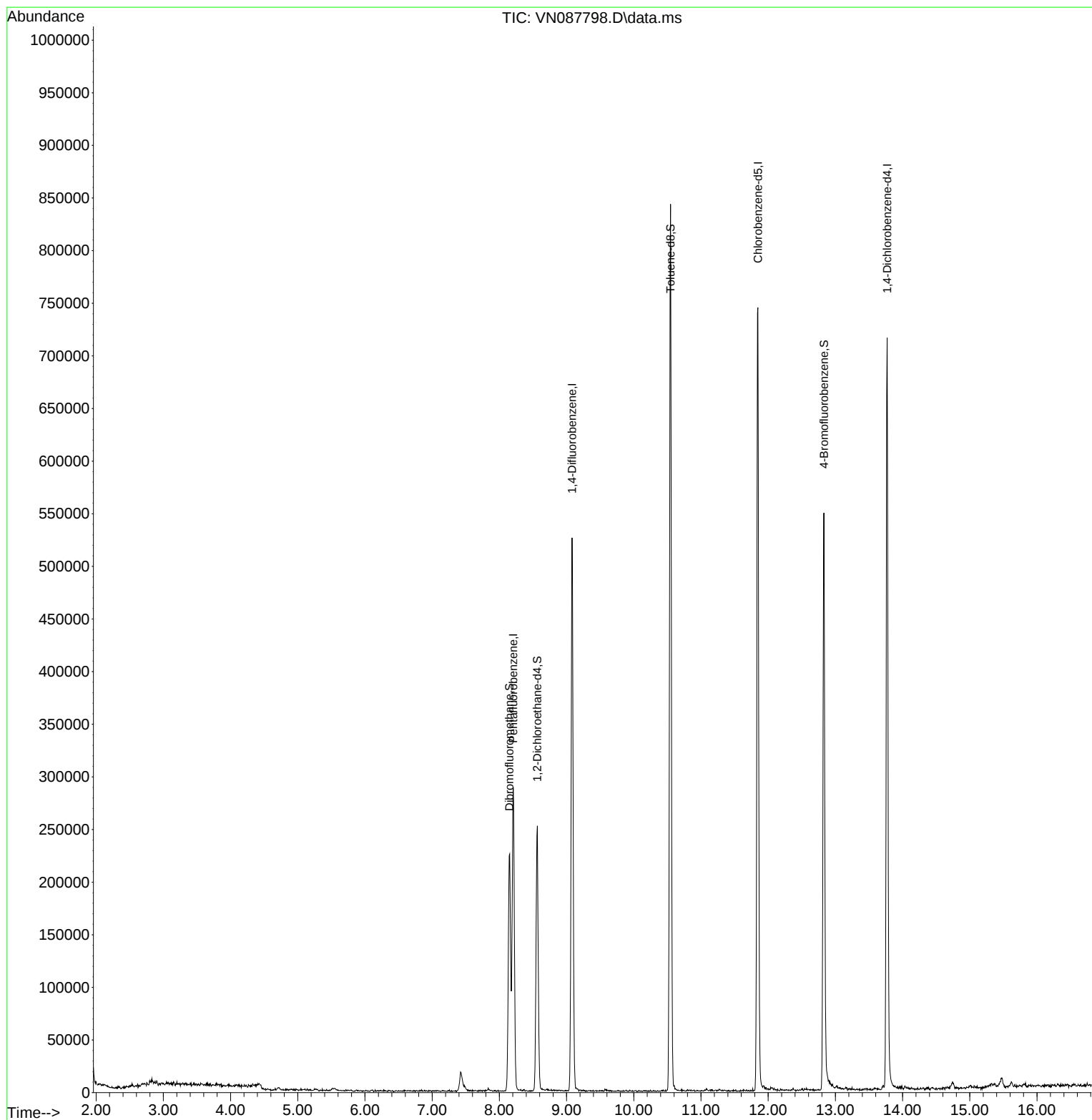
Target Compounds	Qvalue

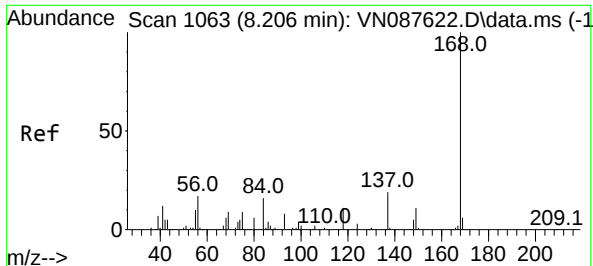
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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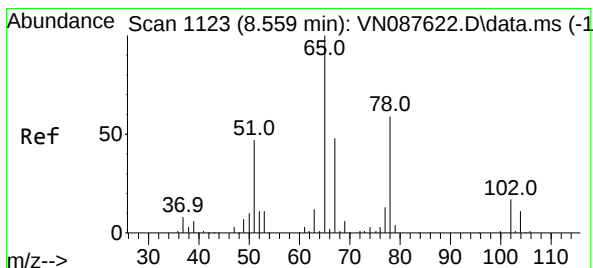
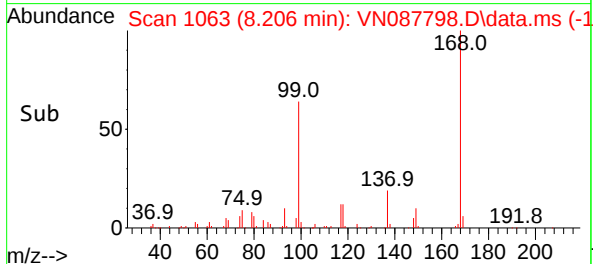
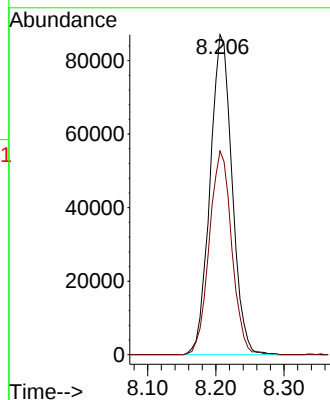
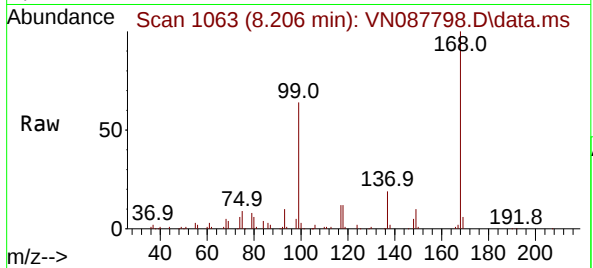




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN087798.D
Acq: 11 Sep 2025 15:25

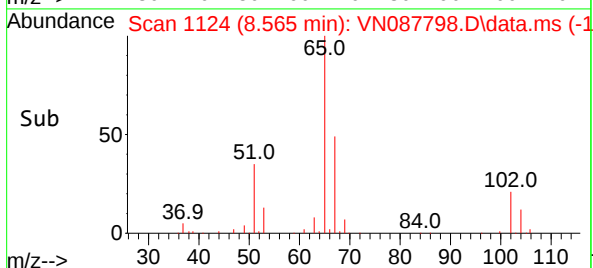
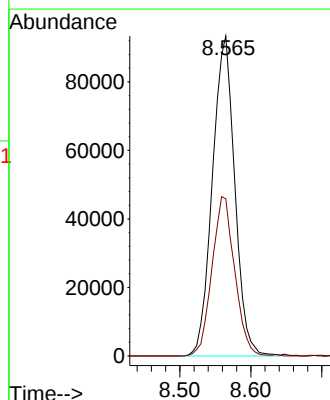
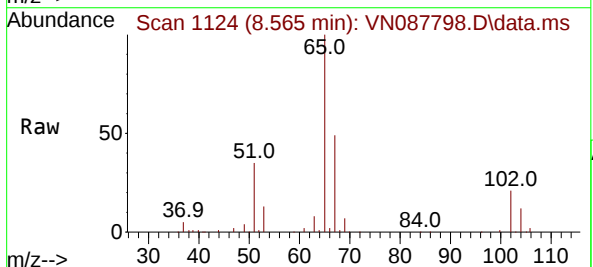
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

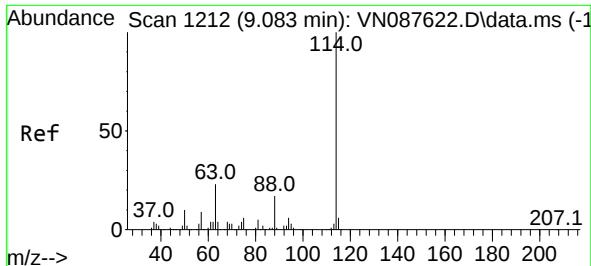
Tgt Ion:168 Resp: 195926
Ion Ratio Lower Upper
168 100
99 63.6 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 50.823 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087798.D
Acq: 11 Sep 2025 15:25

Tgt Ion: 65 Resp: 204019
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0

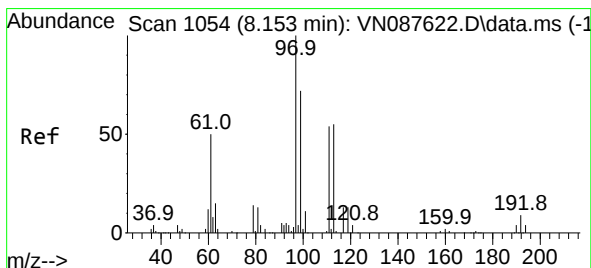
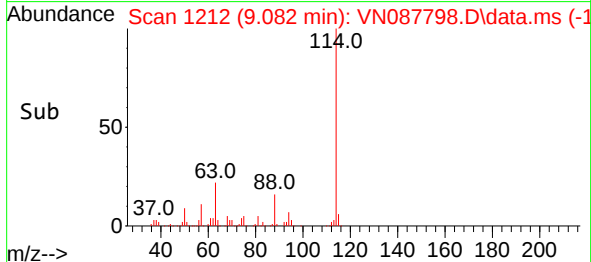
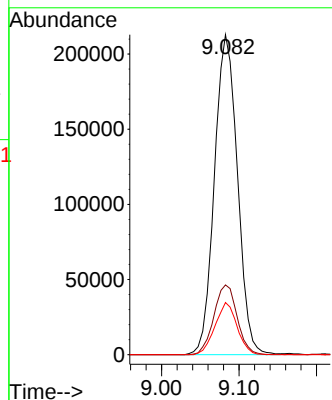
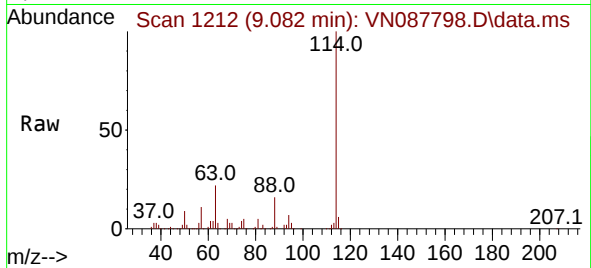




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.082 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN087798.D
 Acq: 11 Sep 2025 15:25

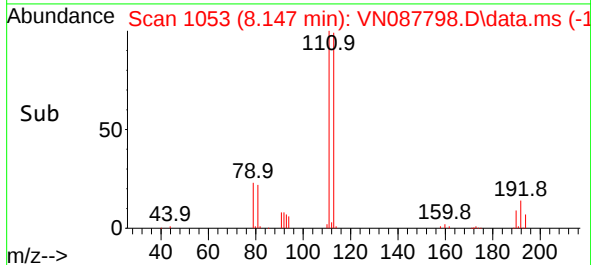
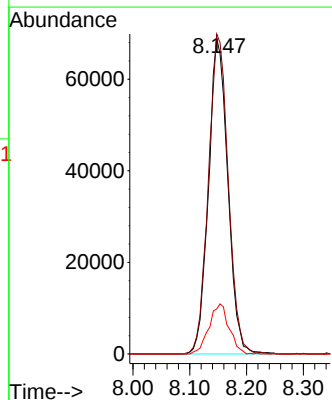
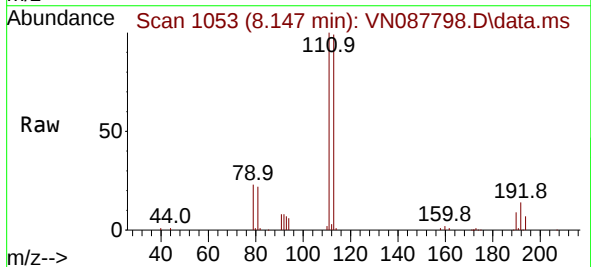
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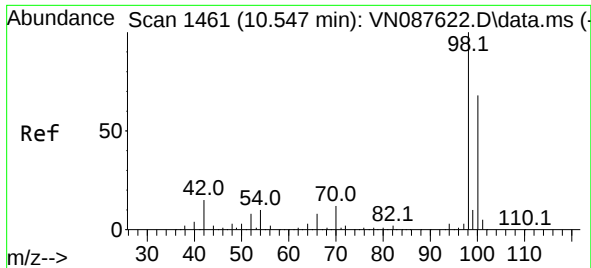
Tgt Ion:114 Resp: 439253
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 45.2
 88 16.3 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 51.165 ug/l
 RT: 8.147 min Scan# 1053
 Delta R.T. -0.006 min
 Lab File: VN087798.D
 Acq: 11 Sep 2025 15:25

Tgt Ion:113 Resp: 162265
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.8 124.2
 192 16.5 12.8 19.2

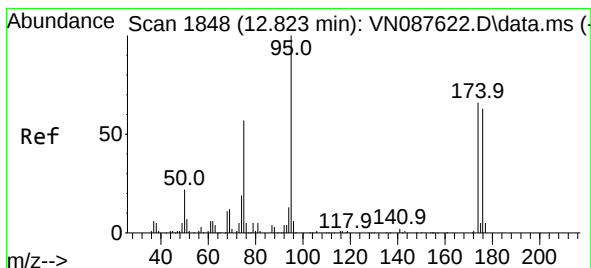
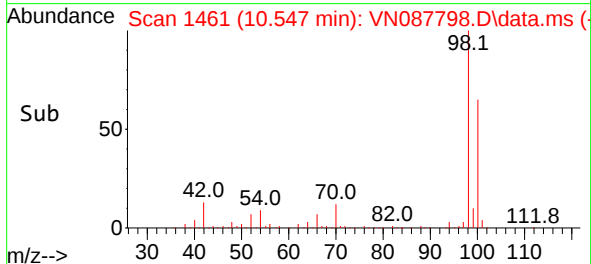
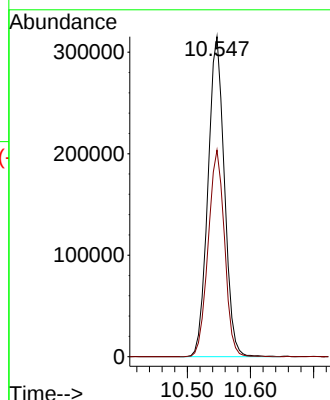
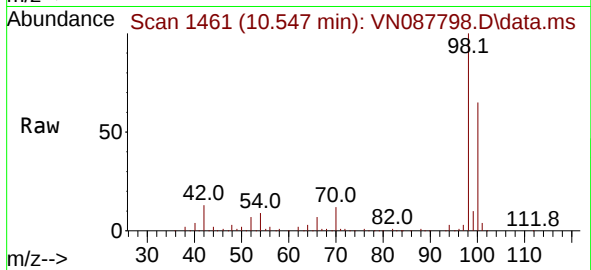




#50
Toluene-d8
Concen: 47.885 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087798.D
Acq: 11 Sep 2025 15:25

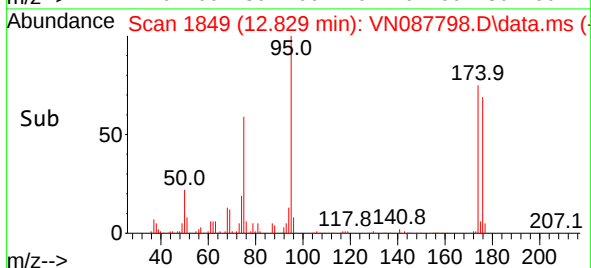
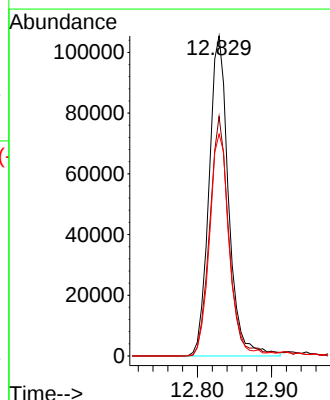
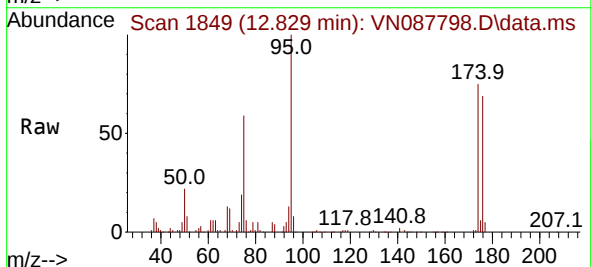
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

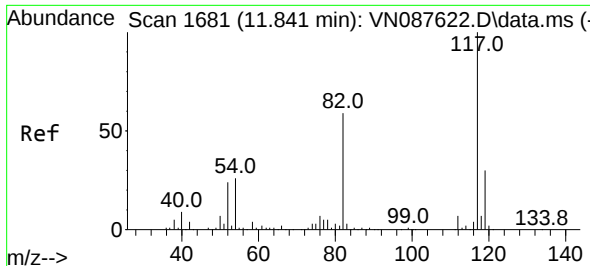
Tgt Ion: 98 Resp: 568396
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.747 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087798.D
Acq: 11 Sep 2025 15:25

Tgt Ion: 95 Resp: 193112
Ion Ratio Lower Upper
95 100
174 73.0 0.0 138.4
176 70.0 0.0 132.6

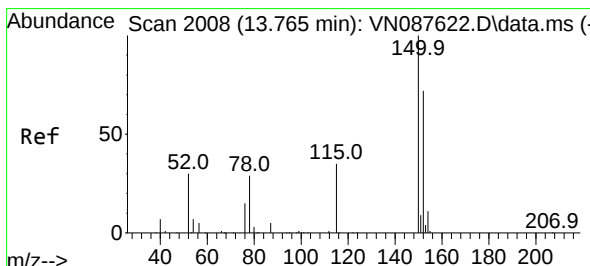
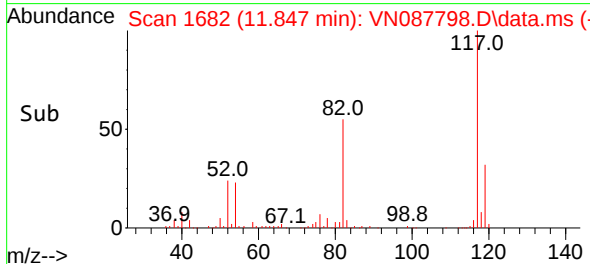
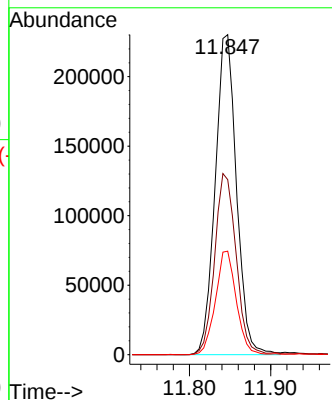
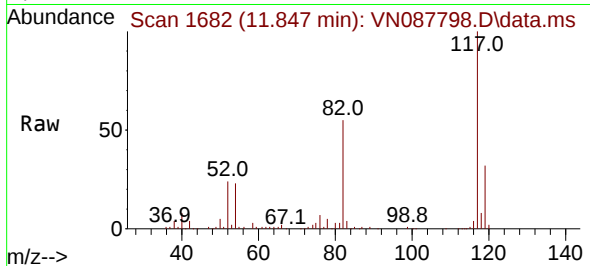




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087798.D
Acq: 11 Sep 2025 15:25

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 420583
Ion Ratio Lower Upper
117 100
82 54.7 47.4 71.2
119 32.4 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: VN087798.D
Acq: 11 Sep 2025 15:25

Tgt Ion:152 Resp: 194604
Ion Ratio Lower Upper
152 100
115 63.2 32.3 96.8
150 160.7 0.0 351.0

