

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
 Data File : VN087244.D
 Acq On : 30 Jun 2025 15:12
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 01 03:20:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	116340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	208695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	187120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94219	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	75706	51.849	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.700%
35) Dibromofluoromethane	8.177	113	66577	49.822	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.640%
50) Toluene-d8	10.565	98	251553	48.296	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.600%
62) 4-Bromofluorobenzene	12.847	95	83970	45.309	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.620%

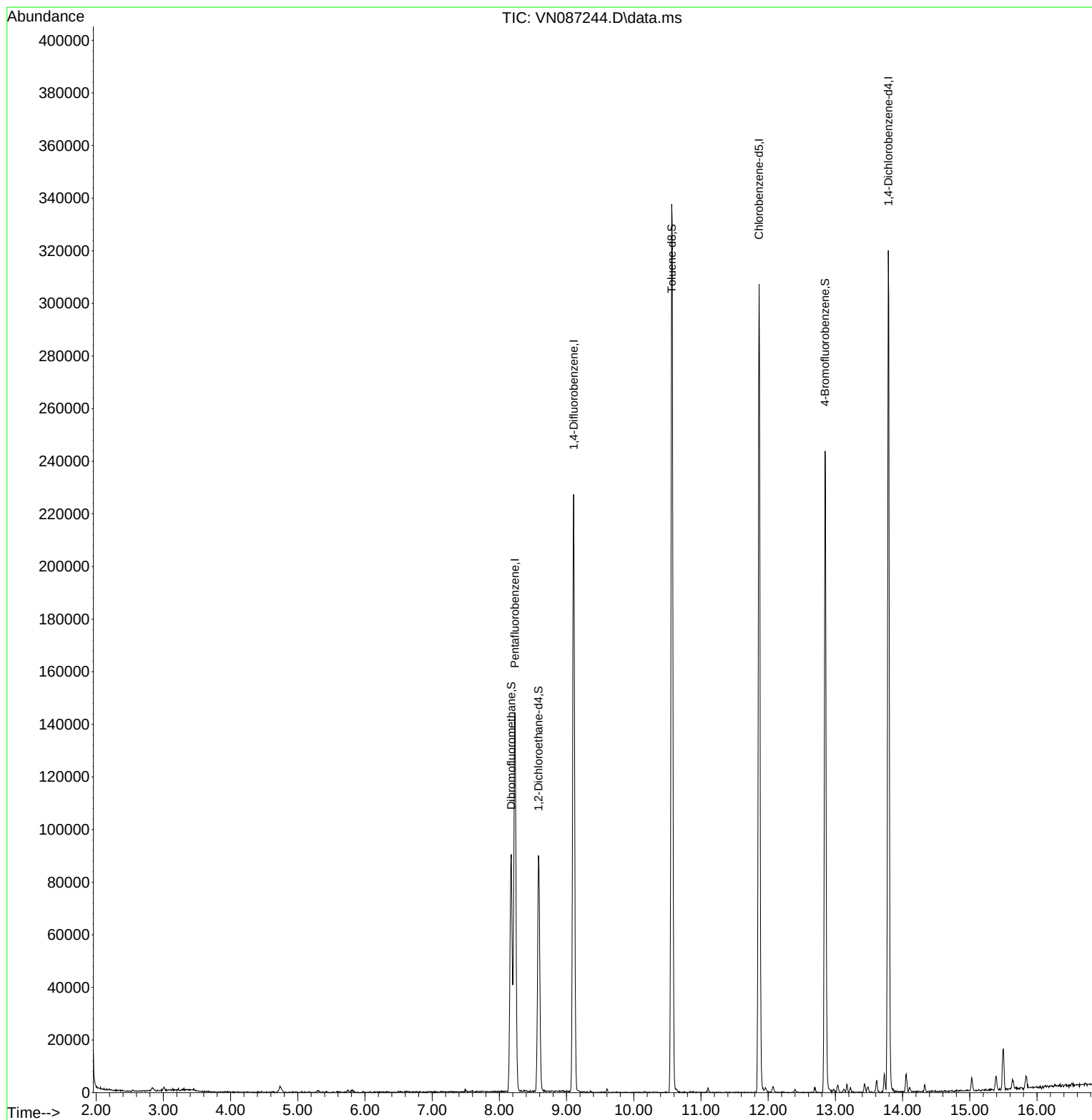
Target Compounds	Qvalue

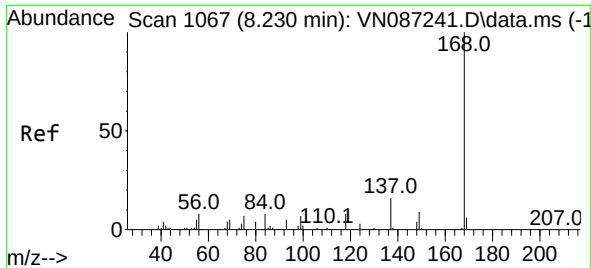
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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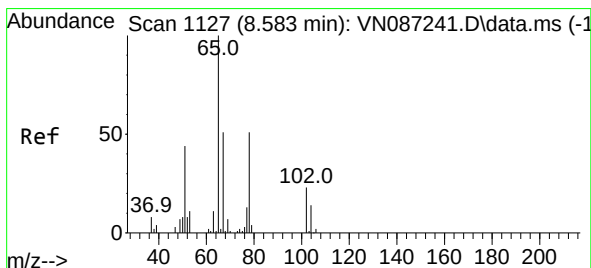
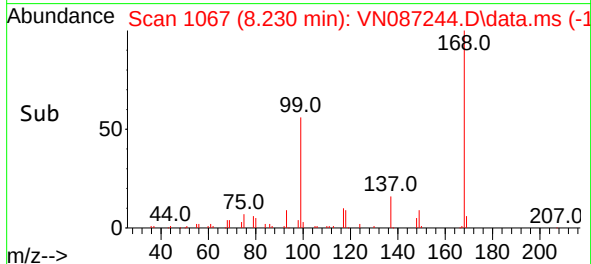
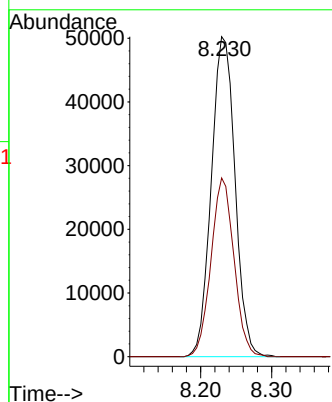
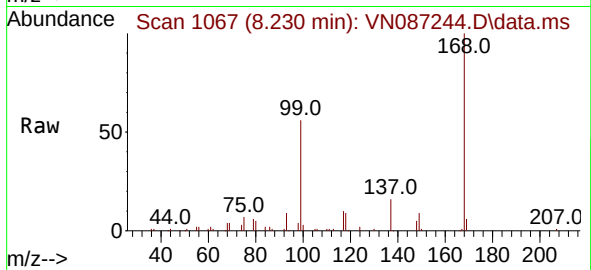




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087244.D
Acq: 30 Jun 2025 15:12

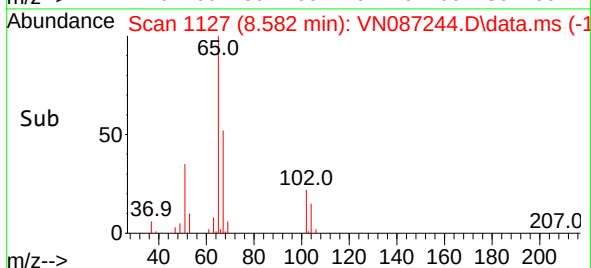
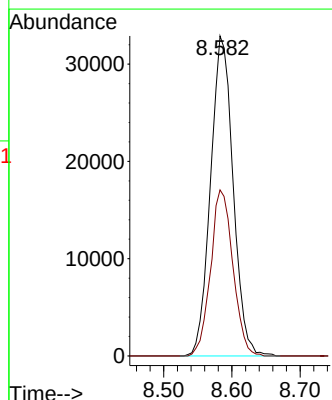
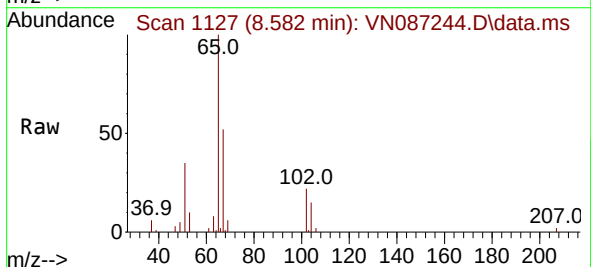
Instrument :
MSVOA_N
ClientSampleId :
IBLK

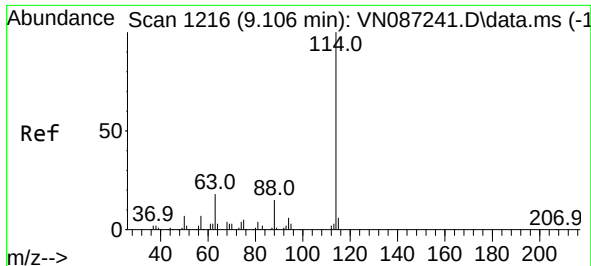
Tgt Ion:168 Resp: 116340
Ion Ratio Lower Upper
168 100
99 55.9 42.6 64.0



#33
1,2-Dichloroethane-d4
Concen: 51.849 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087244.D
Acq: 30 Jun 2025 15:12

Tgt Ion: 65 Resp: 75706
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.6

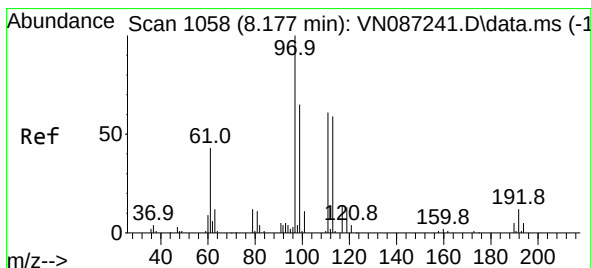
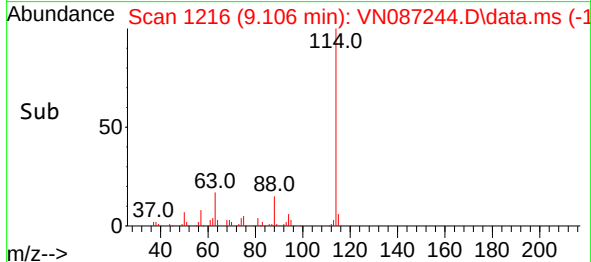
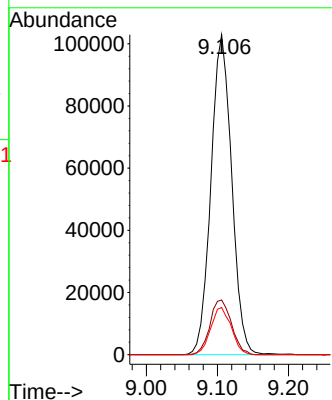
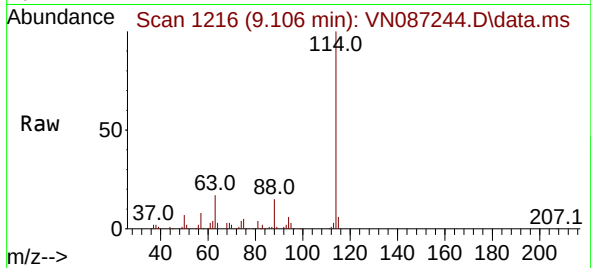




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087244.D
Acq: 30 Jun 2025 15:12

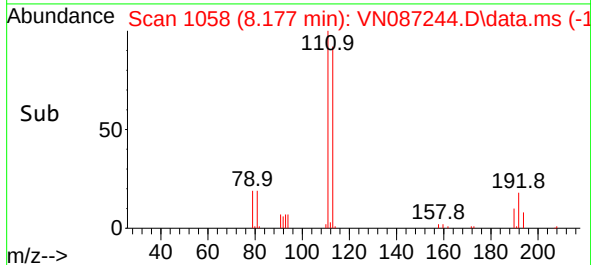
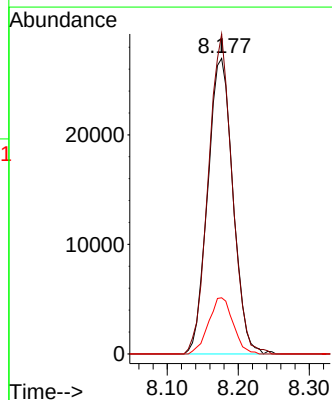
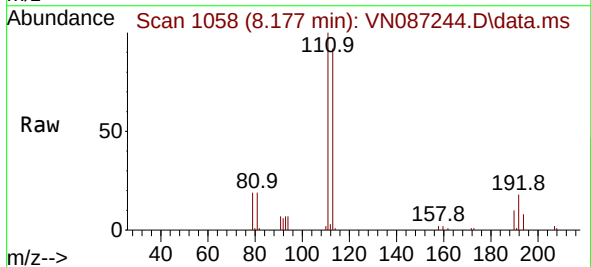
Instrument :
MSVOA_N
ClientSampleId :
IBLK

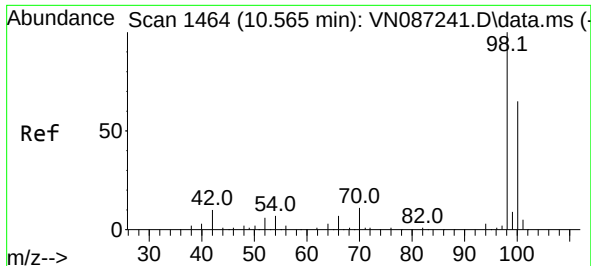
Tgt Ion:114 Resp: 208695
Ion Ratio Lower Upper
114 100
63 17.1 0.0 36.6
88 14.8 0.0 29.6



#35
Dibromofluoromethane
Concen: 49.822 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087244.D
Acq: 30 Jun 2025 15:12

Tgt Ion:113 Resp: 66577
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.2
192 18.5 15.1 22.7

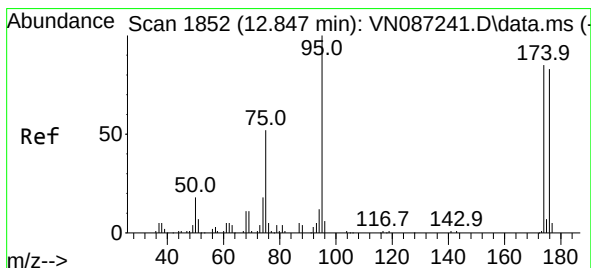
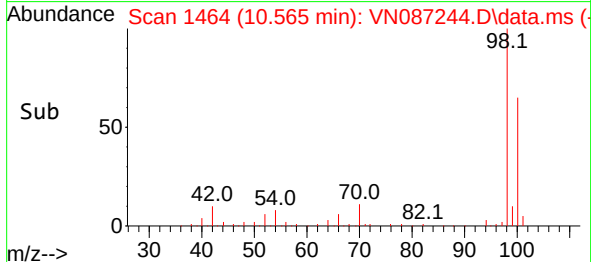
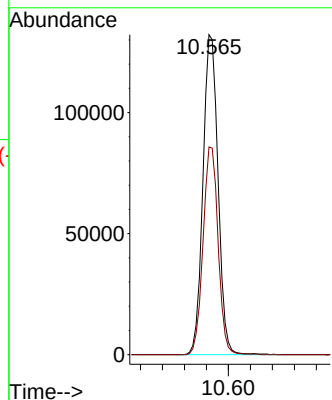
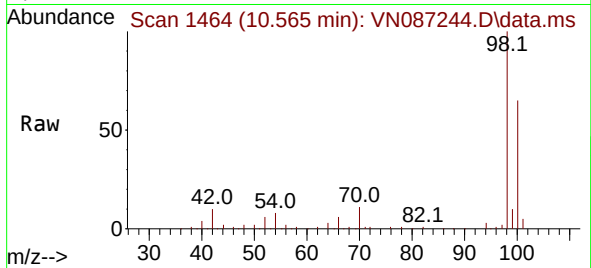




#50
Toluene-d8
Concen: 48.296 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087244.D
Acq: 30 Jun 2025 15:12

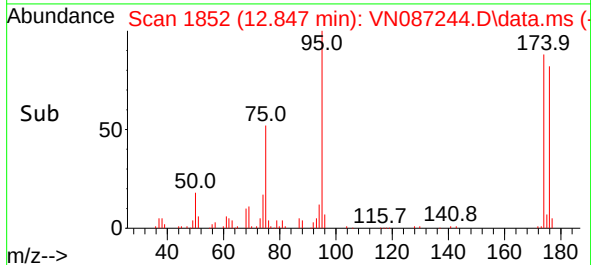
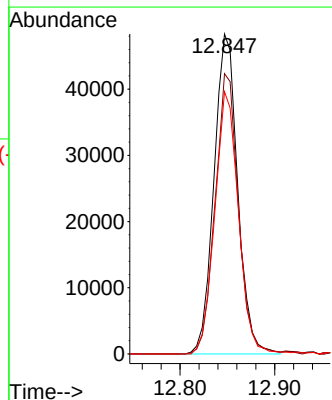
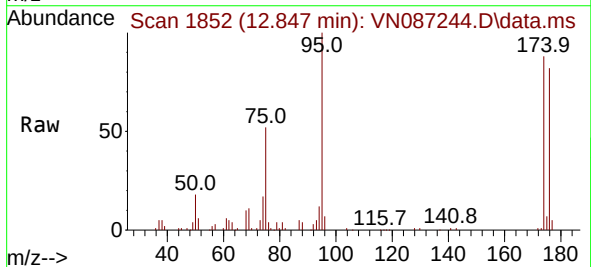
Instrument :
MSVOA_N
ClientSampleId :
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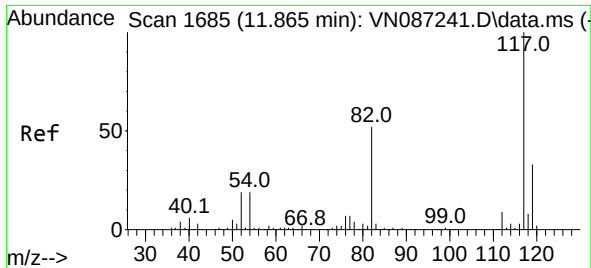
Tgt Ion: 98 Resp: 251553
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.309 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087244.D
Acq: 30 Jun 2025 15:12

Tgt Ion: 95 Resp: 83970
Ion Ratio Lower Upper
95 100
174 86.5 0.0 169.6
176 82.2 0.0 161.6

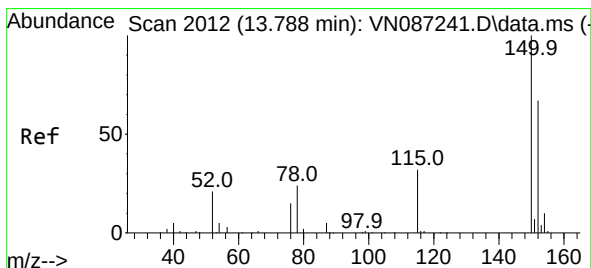
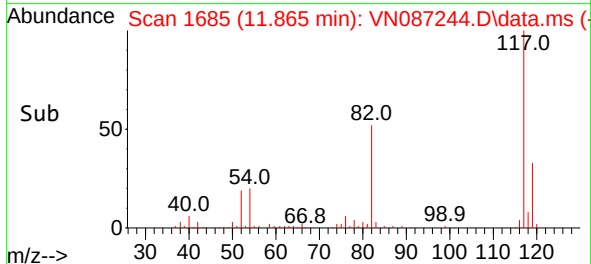
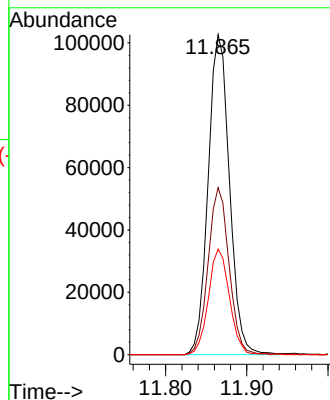
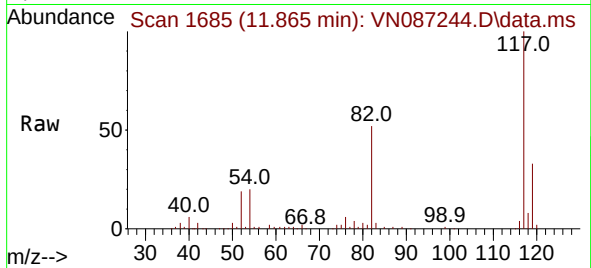




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087244.D
Acq: 30 Jun 2025 15:12

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 187120
Ion Ratio Lower Upper
117 100
82 52.2 41.9 62.9
119 33.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087244.D
Acq: 30 Jun 2025 15:12

Tgt Ion:152 Resp: 94219
Ion Ratio Lower Upper
152 100
115 56.6 28.3 84.9
150 154.4 0.0 344.6

