

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
 Data File : VN087245.D
 Acq On : 30 Jun 2025 15:33
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 01 03:22:12 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	174117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	322056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	149064	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	113712	52.036	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.080%
35) Dibromofluoromethane	8.177	113	101064	49.009	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.020%
50) Toluene-d8	10.565	98	392016	48.771	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.540%
62) 4-Bromofluorobenzene	12.847	95	135145	47.255	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.500%

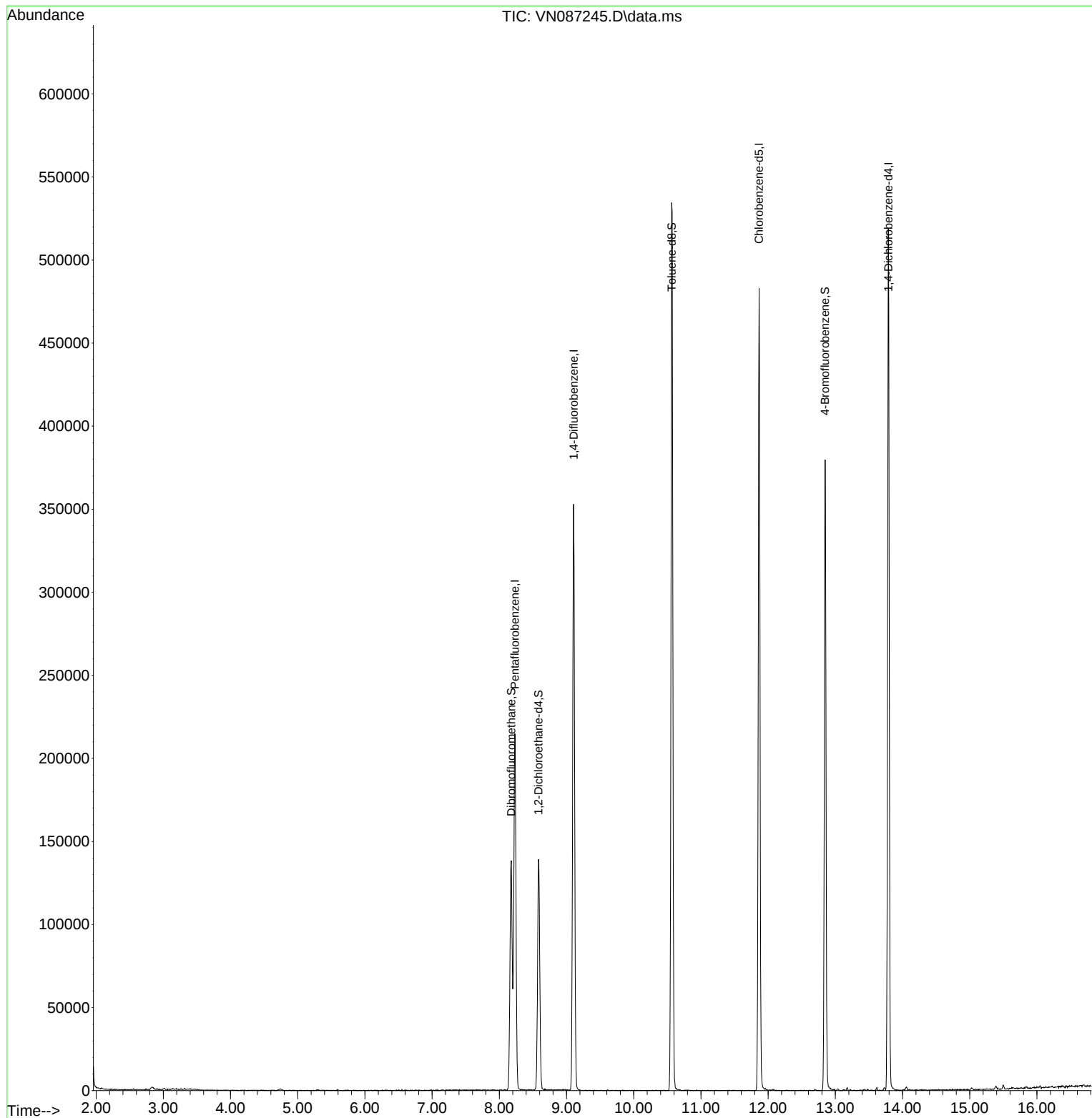
Target Compounds	Qvalue

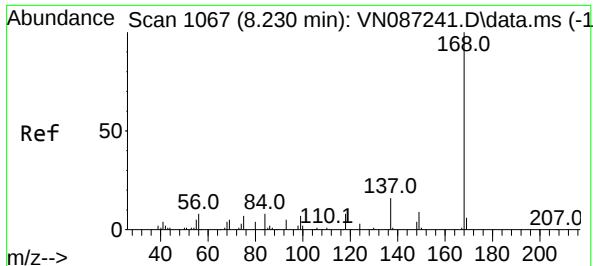
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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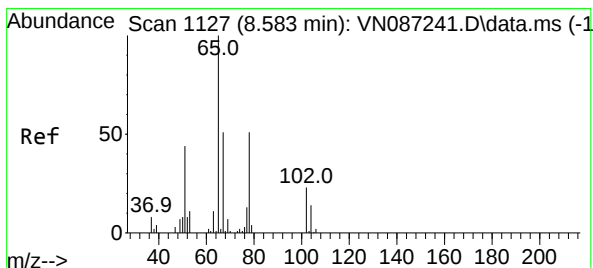
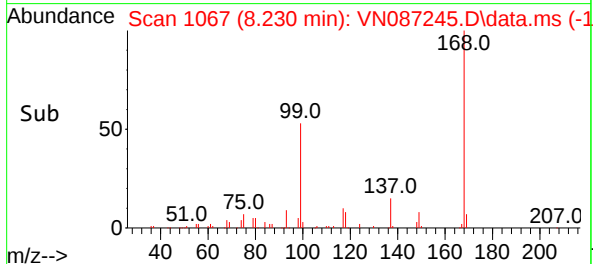
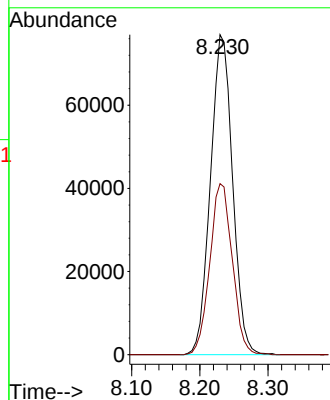
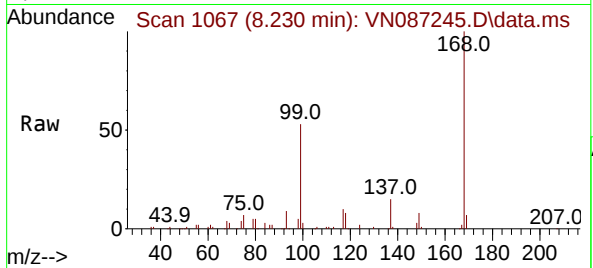




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087245.D
Acq: 30 Jun 2025 15:33

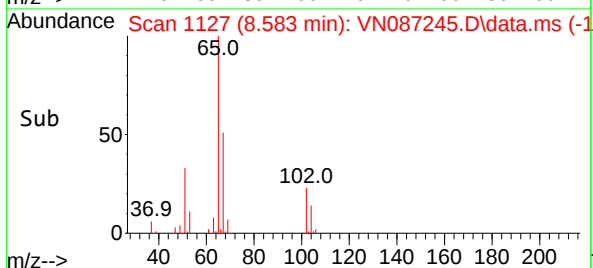
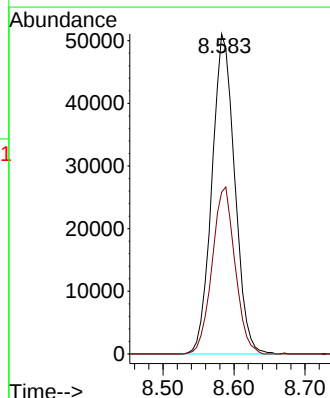
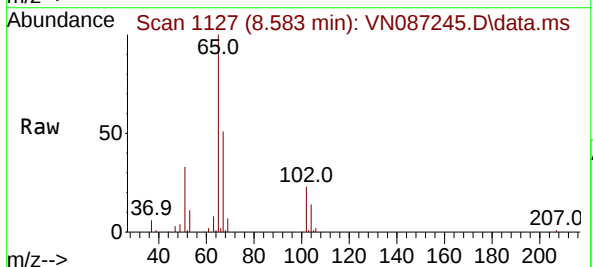
Instrument :
MSVOA_N
ClientSampleId :
IBLK

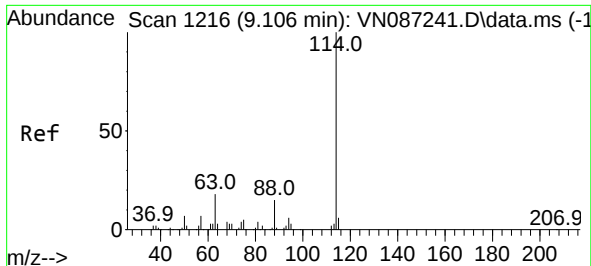
Tgt Ion:168 Resp: 174117
Ion Ratio Lower Upper
168 100
99 53.5 42.6 64.0



#33
1,2-Dichloroethane-d4
Concen: 52.036 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087245.D
Acq: 30 Jun 2025 15:33

Tgt Ion: 65 Resp: 113712
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.6

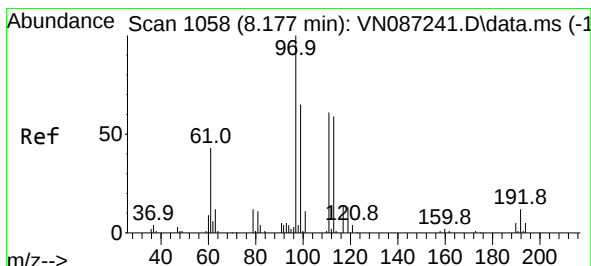
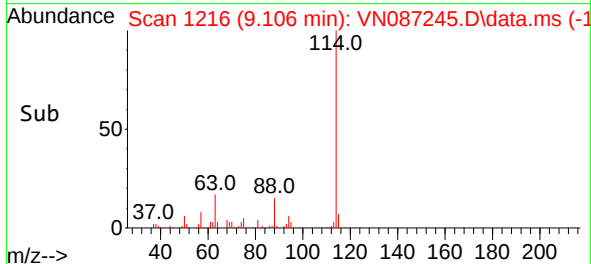
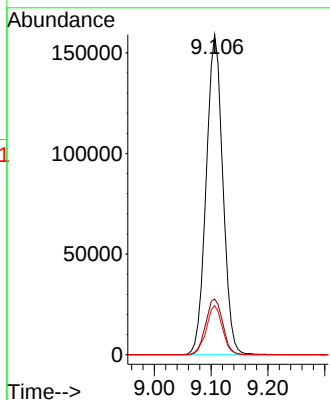
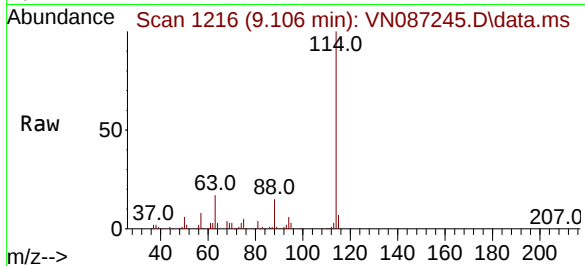




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087245.D
Acq: 30 Jun 2025 15:33

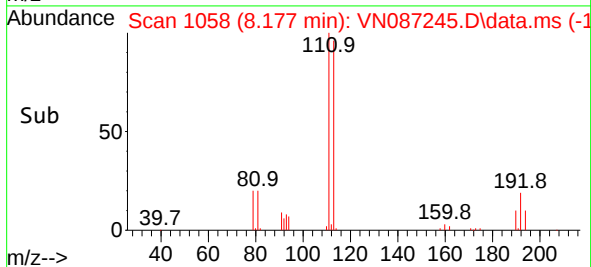
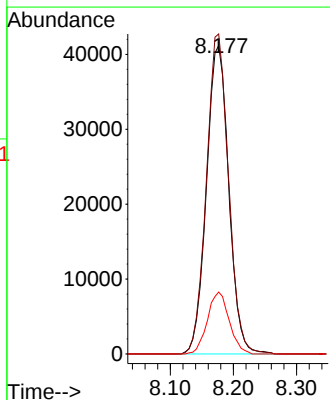
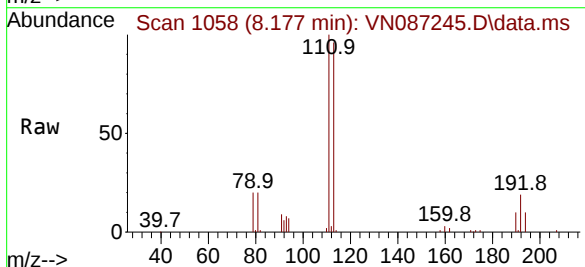
Instrument :
MSVOA_N
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IBLK

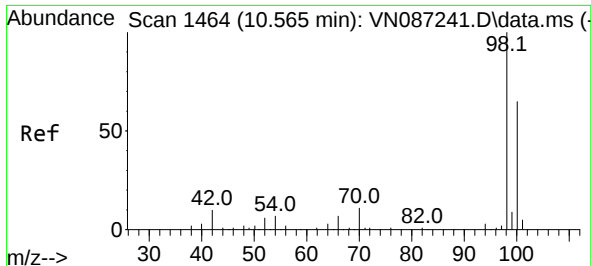
Tgt Ion:114 Resp: 322056
Ion Ratio Lower Upper
114 100
63 17.4 0.0 36.6
88 15.3 0.0 29.6



#35
Dibromofluoromethane
Concen: 49.009 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087245.D
Acq: 30 Jun 2025 15:33

Tgt Ion:113 Resp: 101064
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.2
192 19.6 15.1 22.7

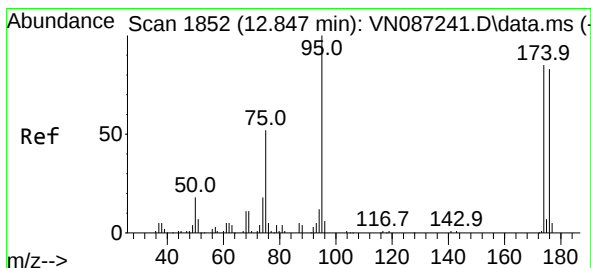
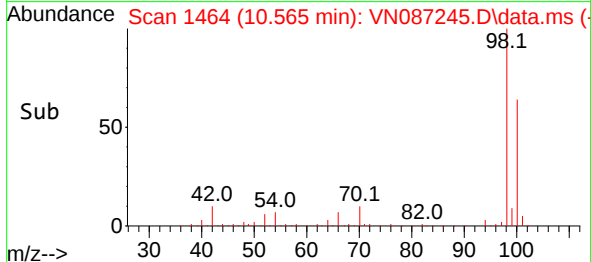
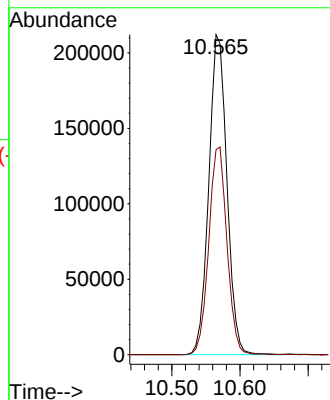
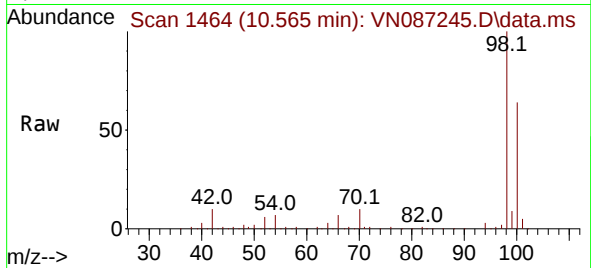




#50
Toluene-d8
Concen: 48.771 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087245.D
Acq: 30 Jun 2025 15:33

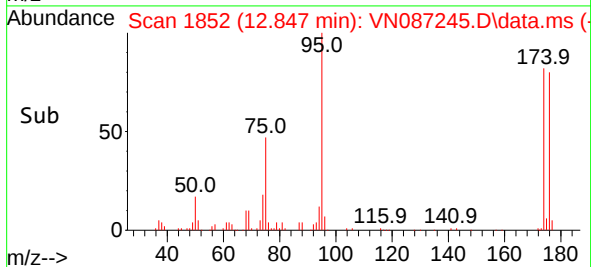
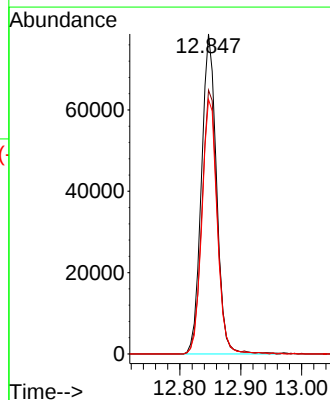
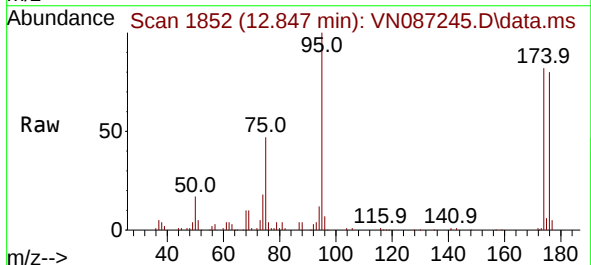
Instrument :
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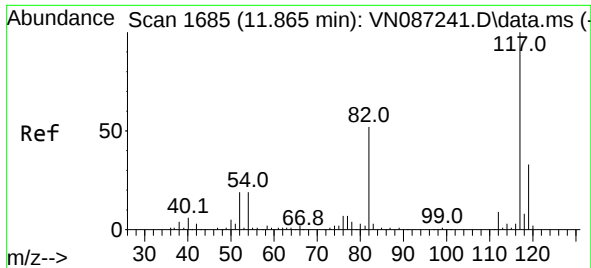
Tgt Ion: 98 Resp: 392016
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.255 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087245.D
Acq: 30 Jun 2025 15:33

Tgt Ion: 95 Resp: 135145
Ion Ratio Lower Upper
95 100
174 83.7 0.0 169.6
176 80.2 0.0 161.6

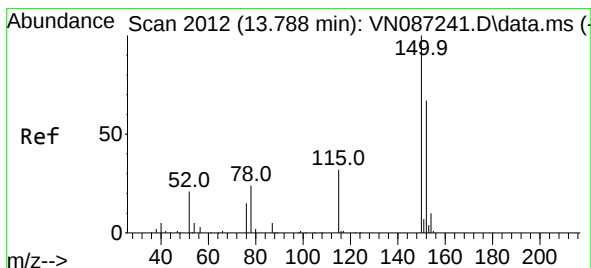
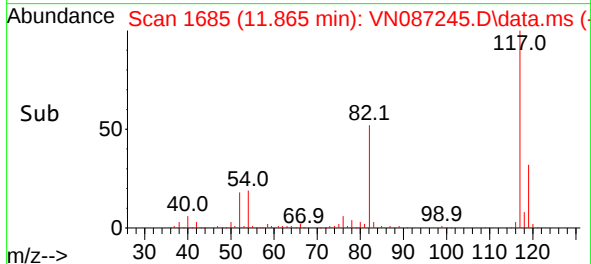
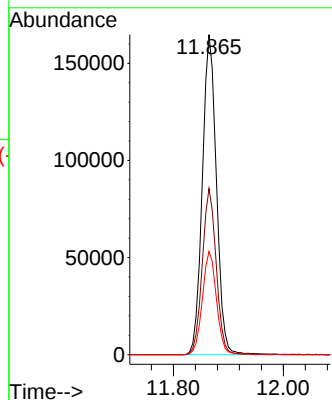
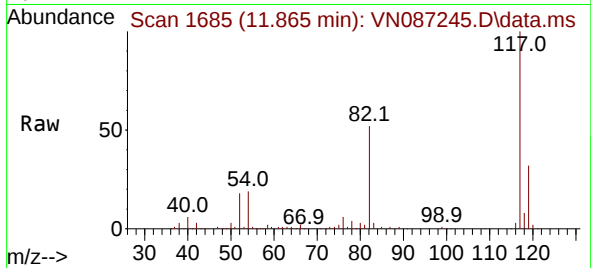




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087245.D
Acq: 30 Jun 2025 15:33

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 293635
Ion Ratio Lower Upper
117 100
82 52.0 41.9 62.9
119 32.3 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: VN087245.D
Acq: 30 Jun 2025 15:33

Tgt Ion:152 Resp: 149064
Ion Ratio Lower Upper
152 100
115 58.0 28.3 84.9
150 157.6 0.0 344.6

