

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087262.D
 Acq On : 03 Jul 2025 11:44
 Operator : JC\MD
 Sample : VN0703WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBL01

Quant Time: Jul 04 01:27:48 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	197279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	379432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	350668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	171520	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	145307	58.687	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.380%
35) Dibromofluoromethane	8.177	113	127458	52.462	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.920%
50) Toluene-d8	10.565	98	460922	48.673	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.847	95	153752	45.631	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.260%

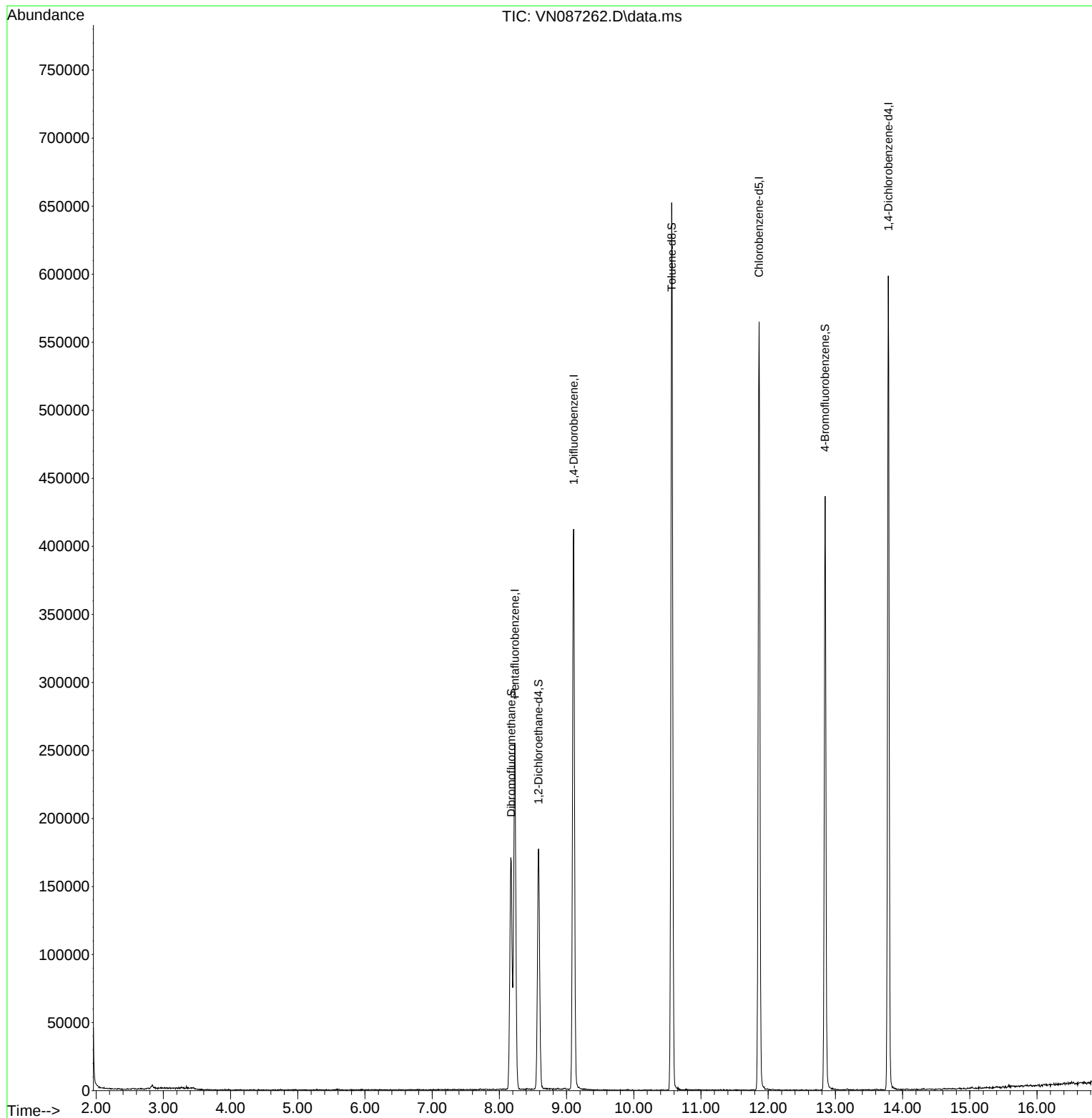
Target Compounds	Qvalue

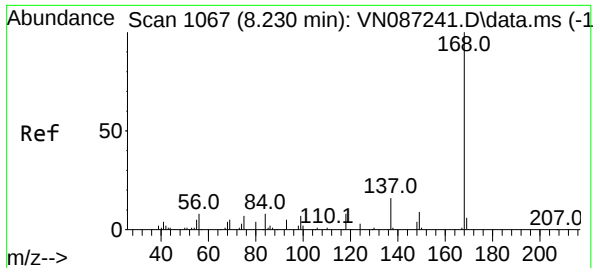
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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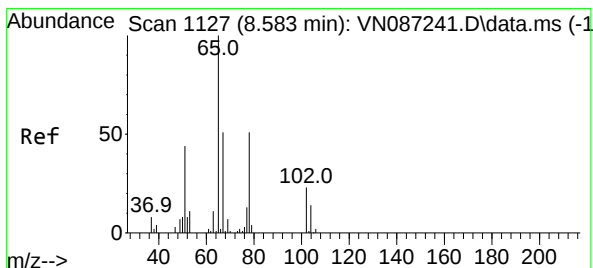
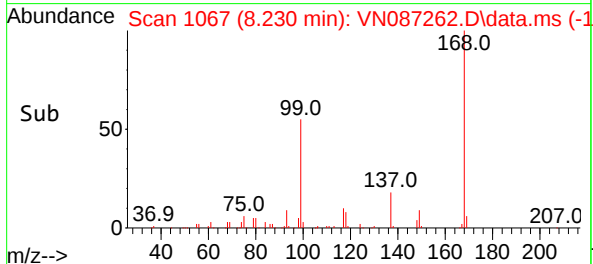
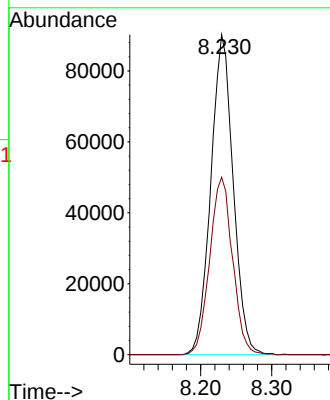
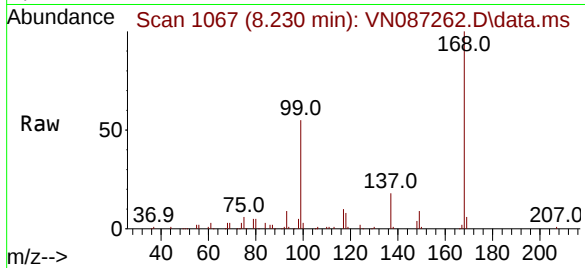




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

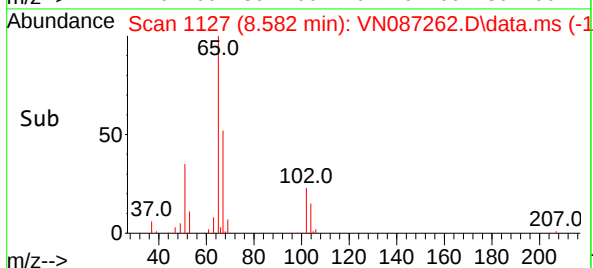
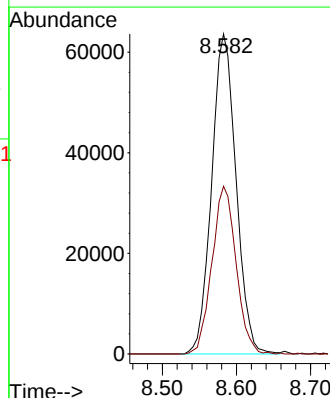
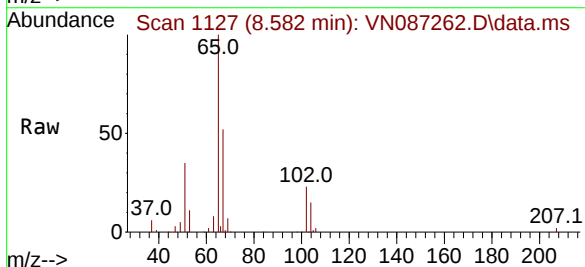
Instrument :
MSVOA_N
ClientSampleId :
VN0703WBL01

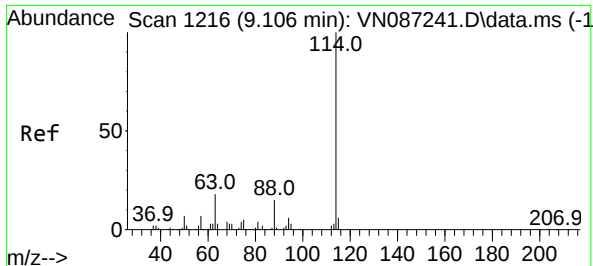
Tgt Ion:168 Resp: 197279
Ion Ratio Lower Upper
168 100
99 55.4 42.6 64.0



#33
1,2-Dichloroethane-d4
Concen: 58.687 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

Tgt Ion: 65 Resp: 145307
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087262.D

Acq: 03 Jul 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0703WBL01

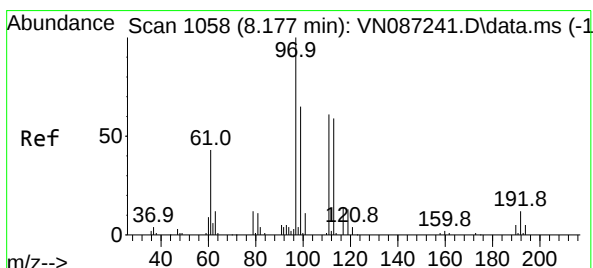
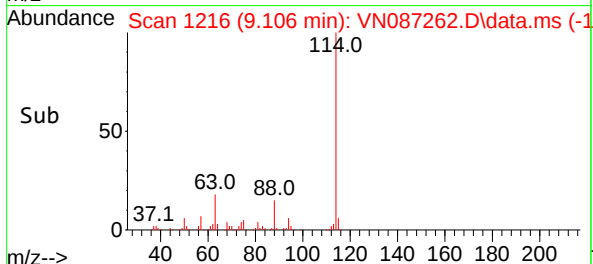
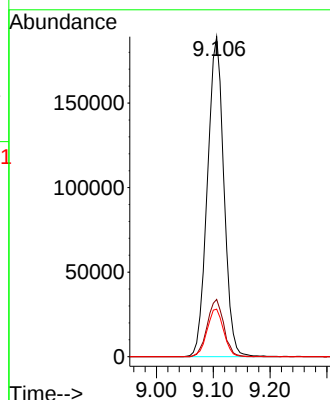
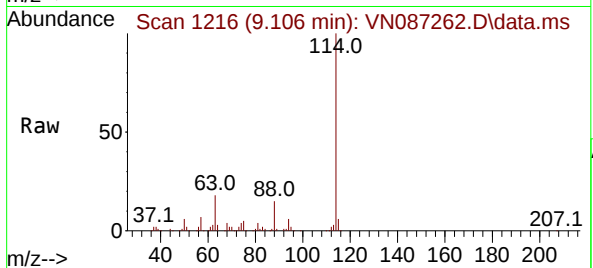
Tgt Ion:114 Resp: 379432

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.6

88 14.9 0.0 29.6



#35

Dibromofluoromethane

Concen: 52.462 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN087262.D

Acq: 03 Jul 2025 11:44

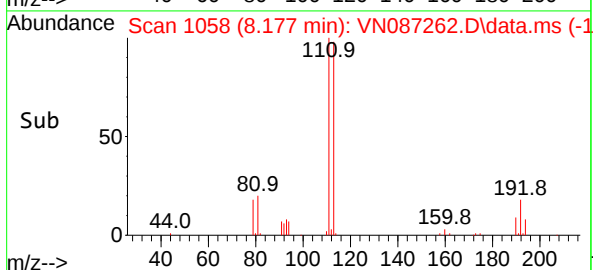
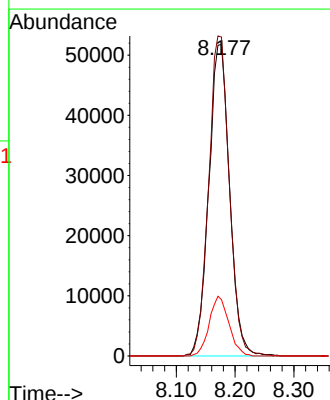
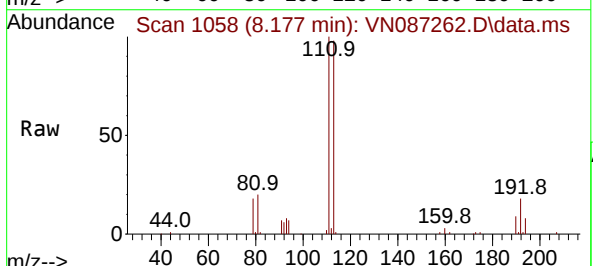
Tgt Ion:113 Resp: 127458

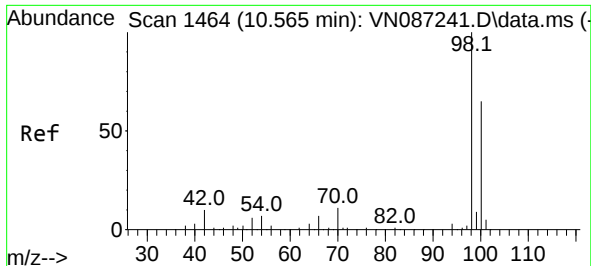
Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.2

192 18.1 15.1 22.7

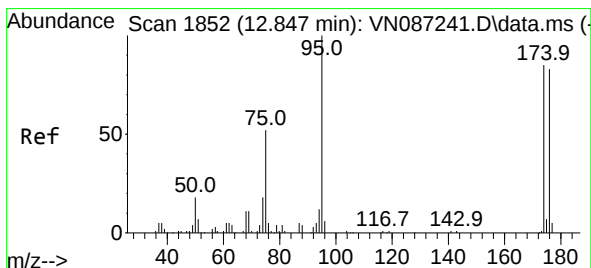
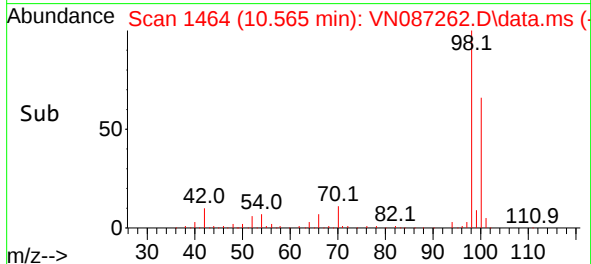
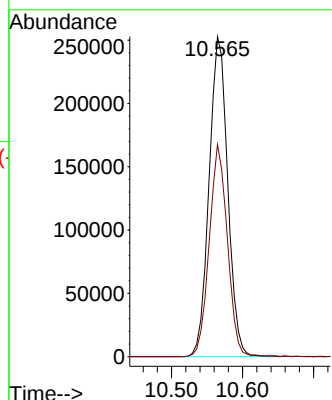
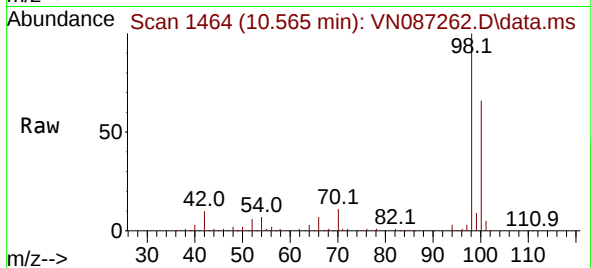




#50
Toluene-d8
Concen: 48.673 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

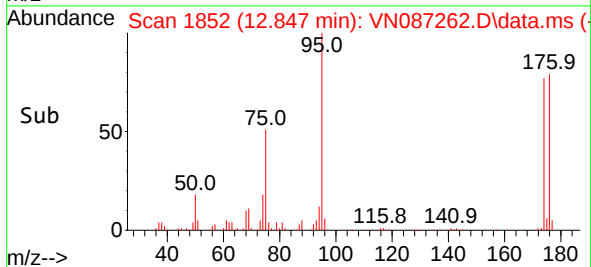
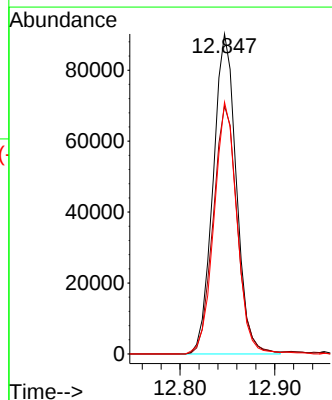
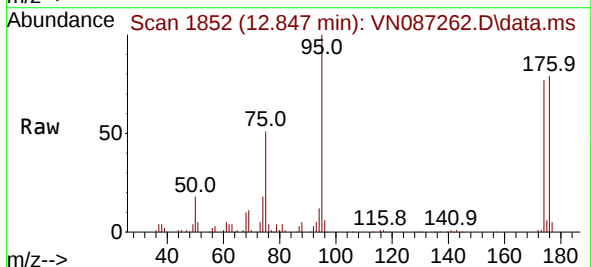
Instrument :
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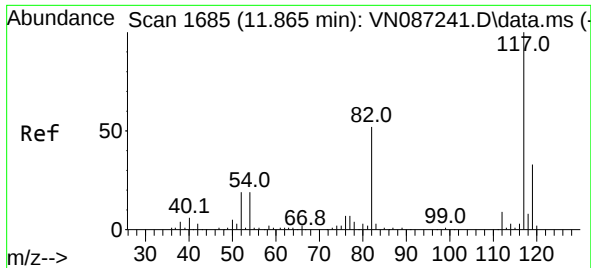
Tgt Ion: 98 Resp: 460922
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.631 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

Tgt Ion: 95 Resp: 153752
Ion Ratio Lower Upper
95 100
174 80.2 0.0 169.6
176 77.7 0.0 161.6

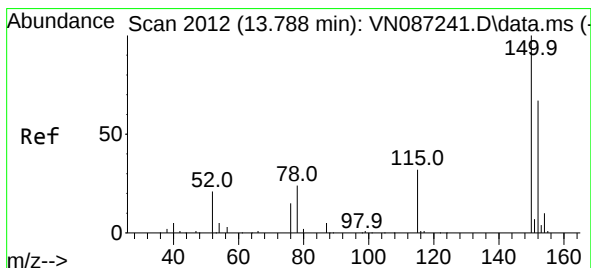
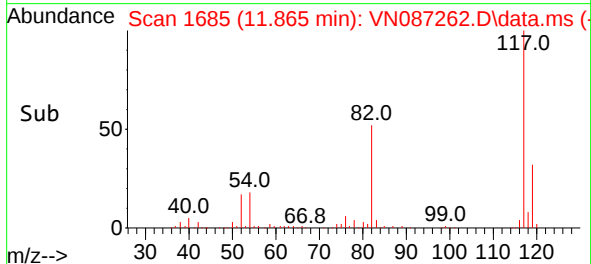
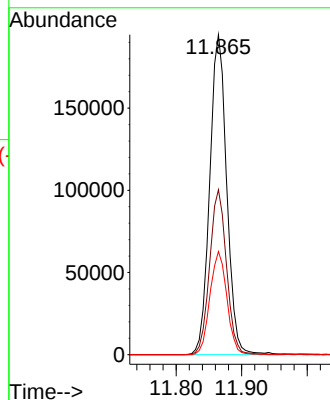
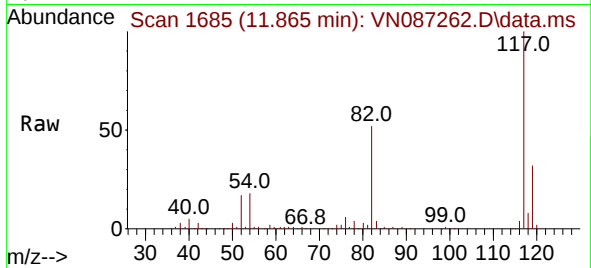




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBL01

Tgt Ion:117 Resp: 350668
Ion Ratio Lower Upper
117 100
82 51.5 41.9 62.9
119 32.2 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: VN087262.D
Acq: 03 Jul 2025 11:44

Tgt Ion:152 Resp: 171520
Ion Ratio Lower Upper
152 100
115 56.8 28.3 84.9
150 157.5 0.0 344.6

