

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086724.D
 Acq On : 21 May 2025 12:08
 Operator : JC\MD
 Sample : VN0521WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBL01

Quant Time: May 22 01:20:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	174294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	341228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	334894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	149145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127718	53.030	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.060%	
35) Dibromofluoromethane	8.159	113	108765	53.522	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.040%	
50) Toluene-d8	10.565	98	443056	52.611	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.220%	
62) 4-Bromofluorobenzene	12.847	95	161051	54.161	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.320%	

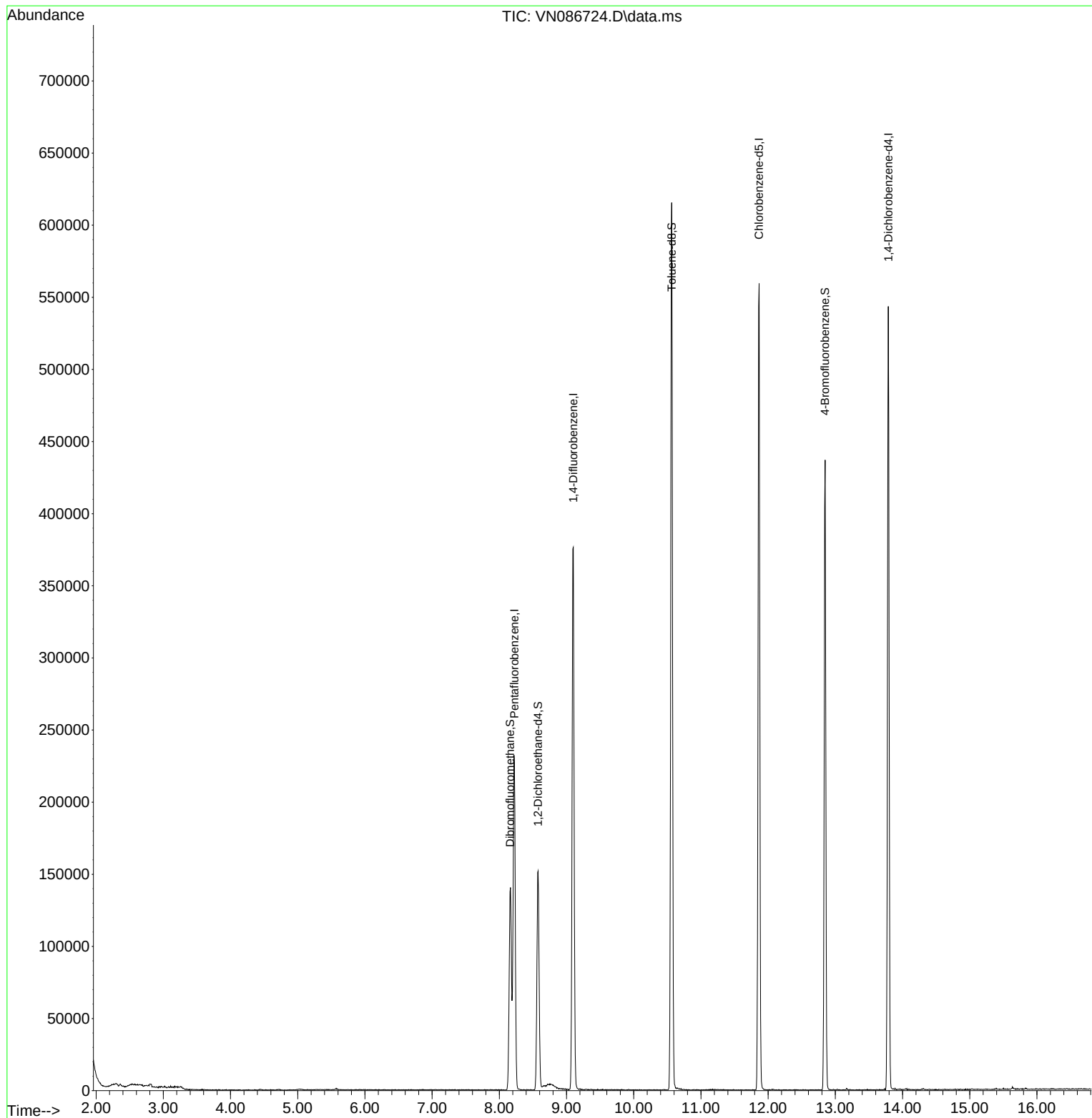
Target Compounds	Qvalue

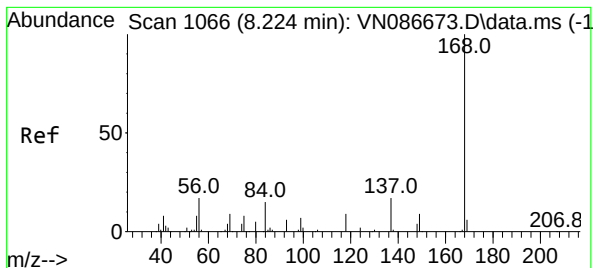
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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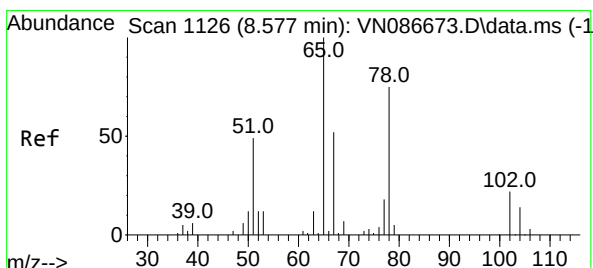
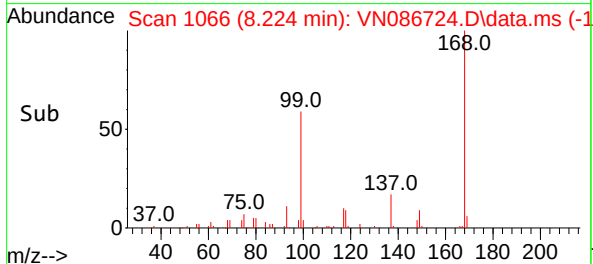
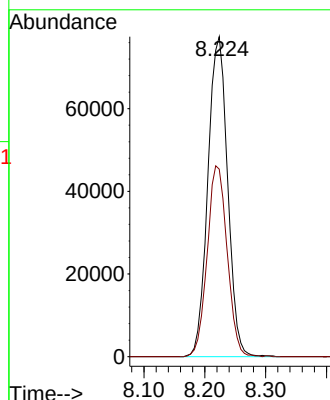
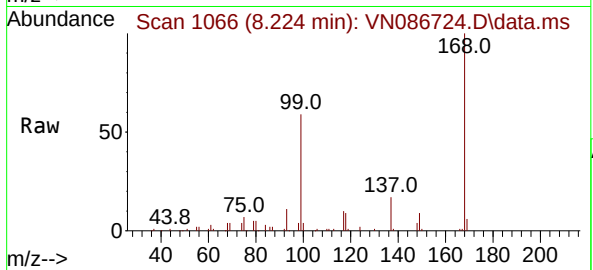




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

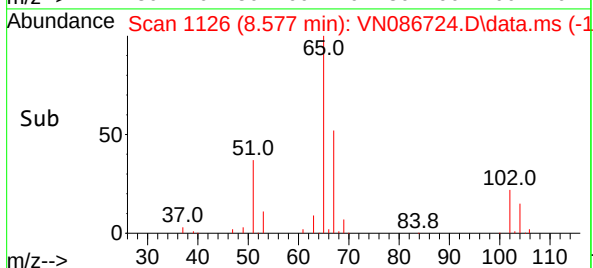
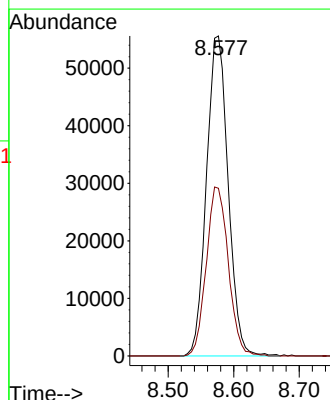
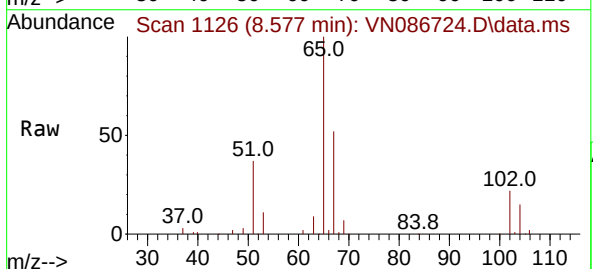
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

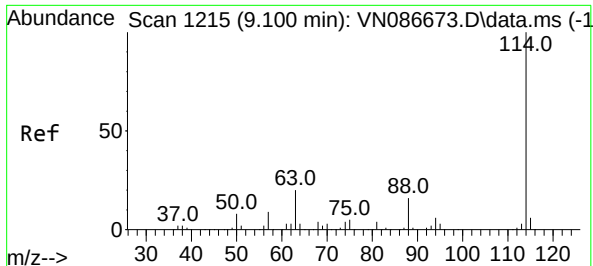
Tgt Ion:168 Resp: 174294
Ion Ratio Lower Upper
168 100
99 58.6 47.0 70.4



#33
1,2-Dichloroethane-d4
Concen: 53.030 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Tgt Ion: 65 Resp: 127718
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086724.D

Acq: 21 May 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBL01

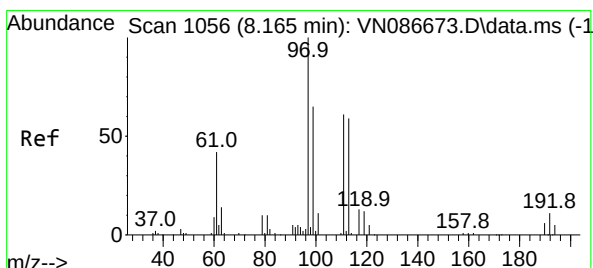
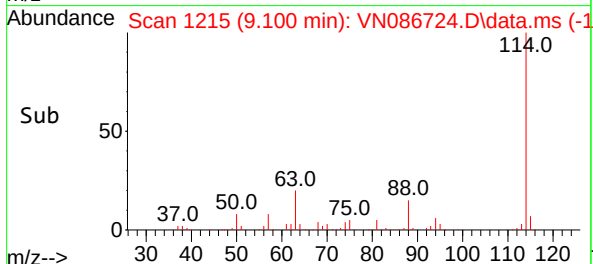
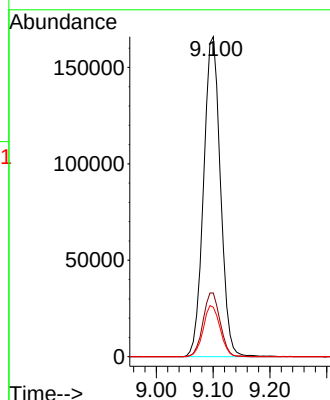
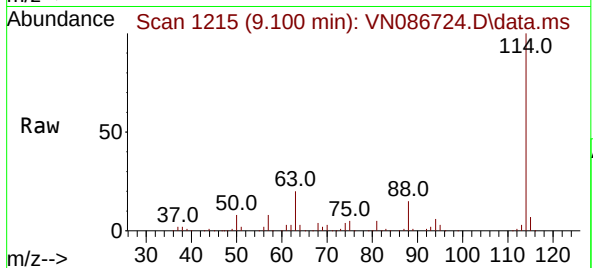
Tgt Ion:114 Resp: 341228

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 53.522 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086724.D

Acq: 21 May 2025 12:08

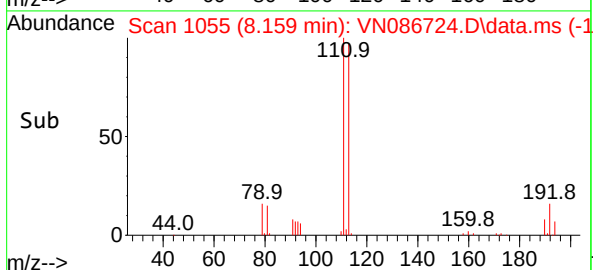
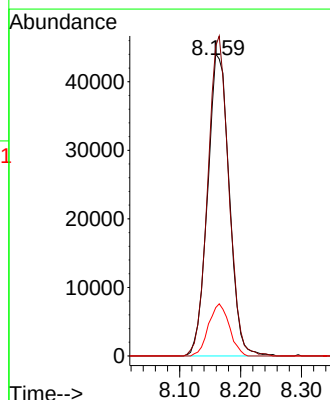
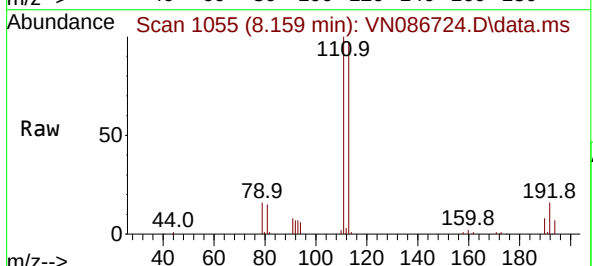
Tgt Ion:113 Resp: 108765

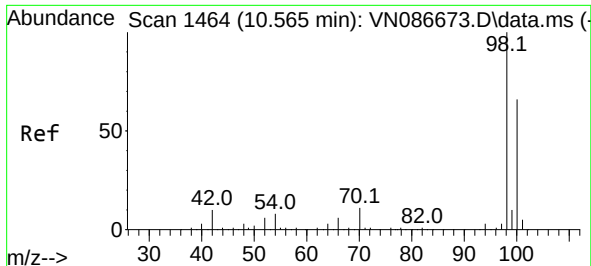
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 16.6 13.8 20.8

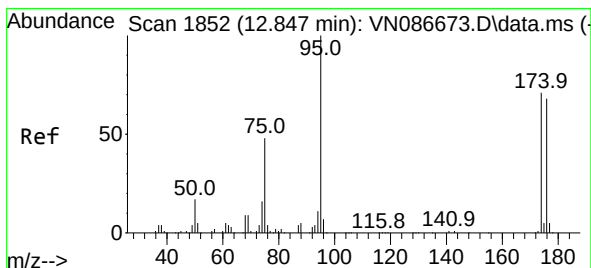
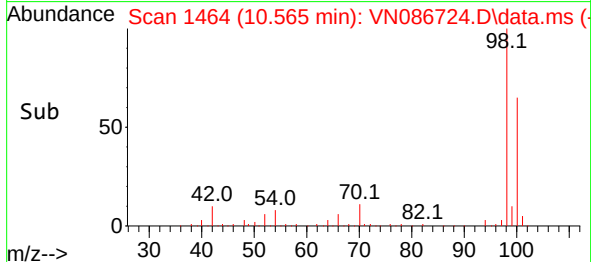
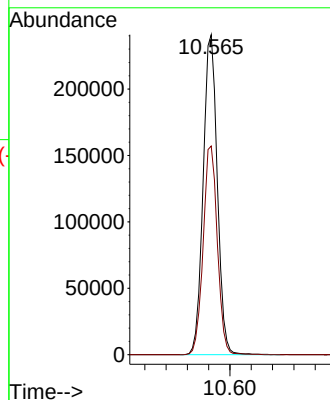
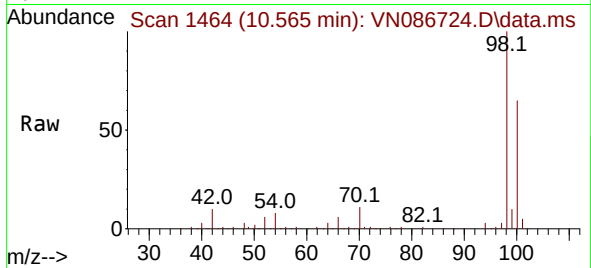




#50
Toluene-d8
Concen: 52.611 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

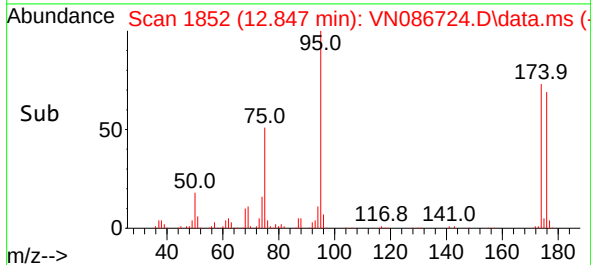
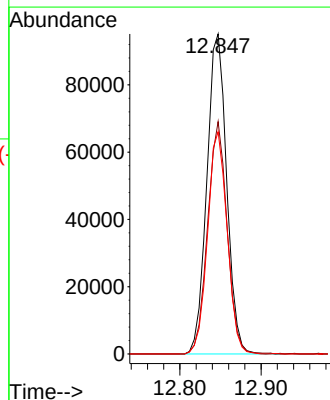
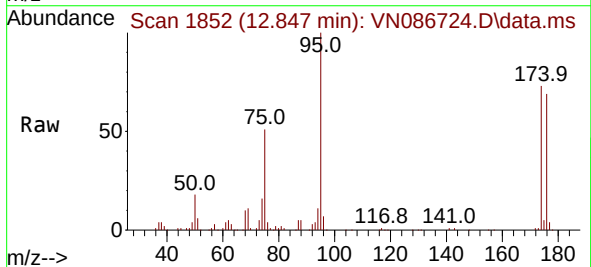
Instrument :
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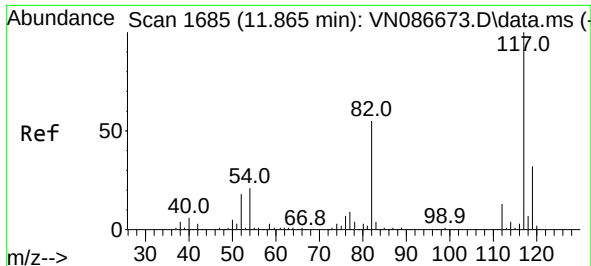
Tgt Ion: 98 Resp: 443056
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 54.161 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Tgt Ion: 95 Resp: 161051
Ion Ratio Lower Upper
95 100
174 71.6 0.0 145.4
176 68.5 0.0 137.8

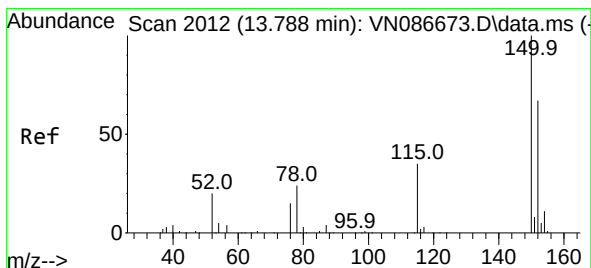
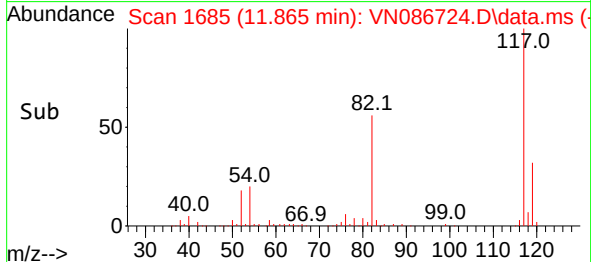
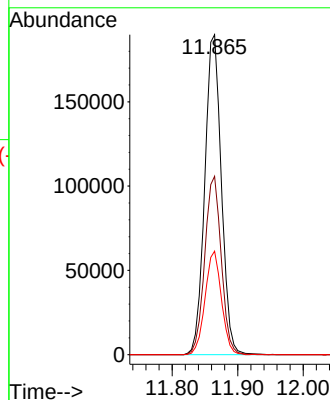
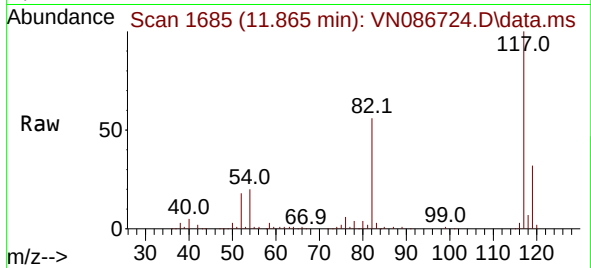




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

Tgt Ion:117 Resp: 334894
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Tgt Ion:152 Resp: 149145
Ion Ratio Lower Upper
152 100
115 61.4 30.0 90.1
150 157.3 0.0 347.8

