

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086984.D
 Acq On : 12 Jun 2025 17:48
 Operator : JC\MD
 Sample : Q2268-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20250605

Quant Time: Jun 13 01:31:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	283433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	552519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	494879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	234248	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	199435	52.554	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.100%
35) Dibromofluoromethane	8.177	113	166879	50.965	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.940%
50) Toluene-d8	10.571	98	678117	52.314	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.620%
62) 4-Bromofluorobenzene	12.847	95	244170	50.701	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.400%

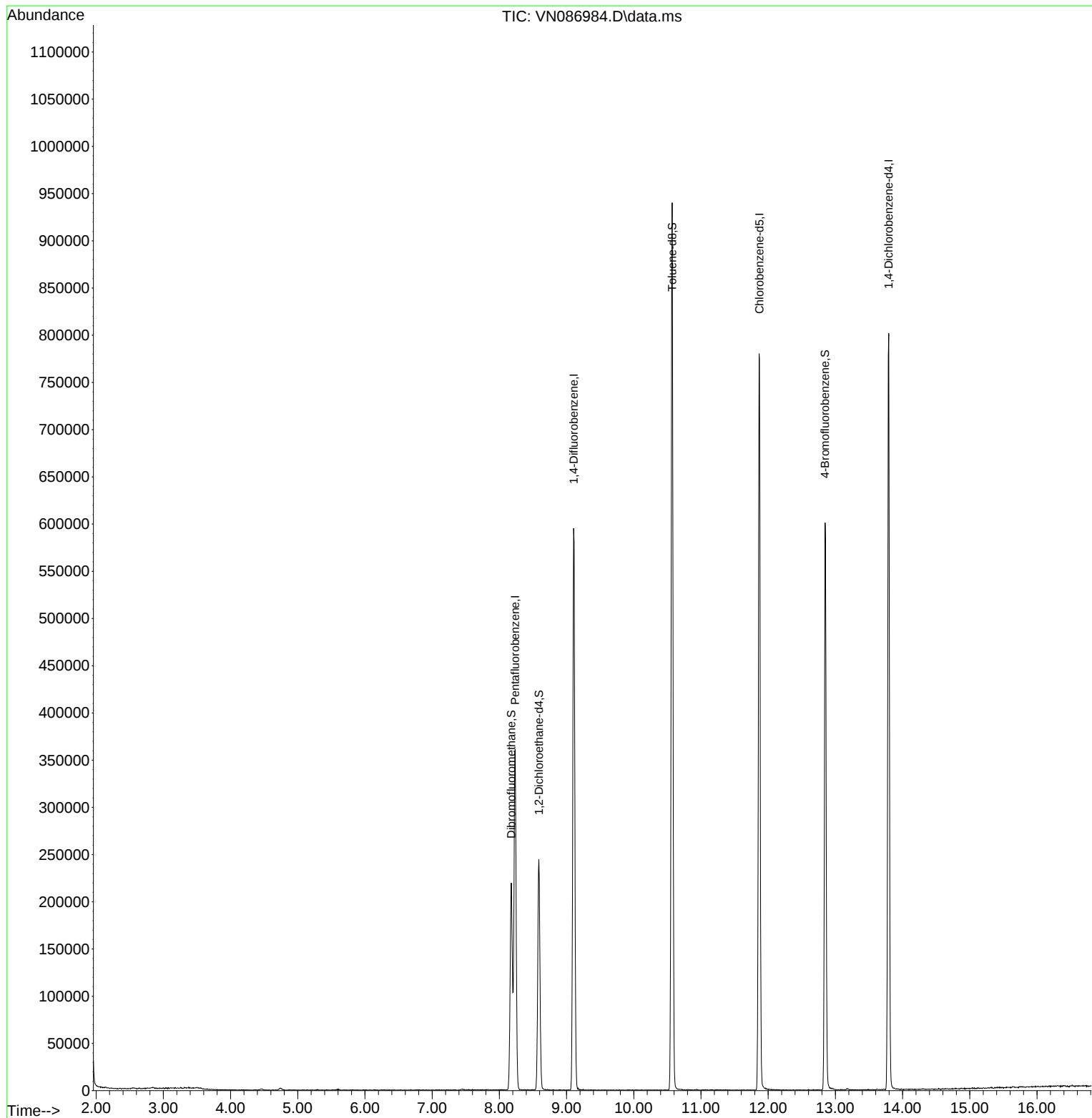
Target Compounds	Qvalue

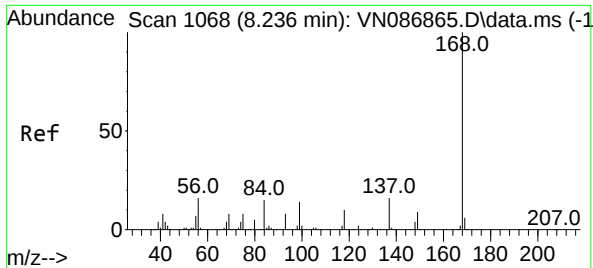
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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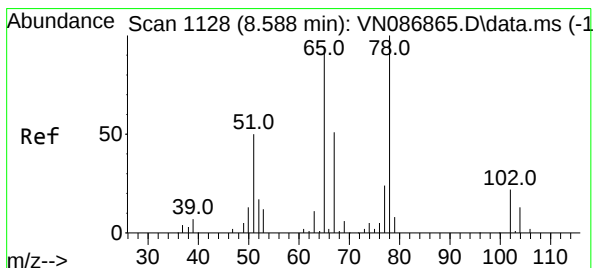
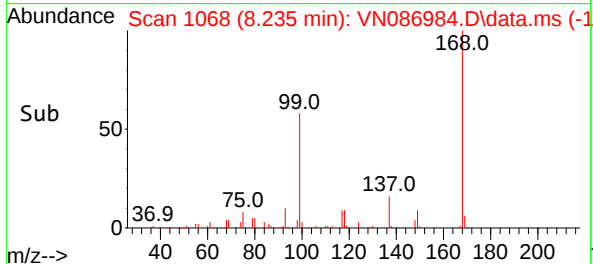
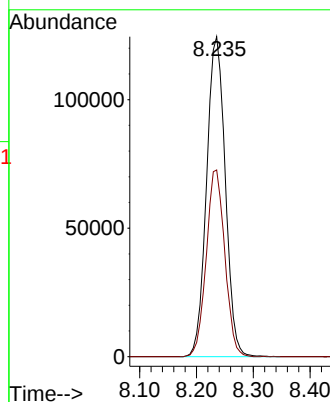
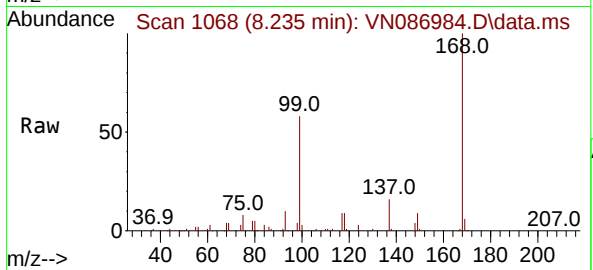




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

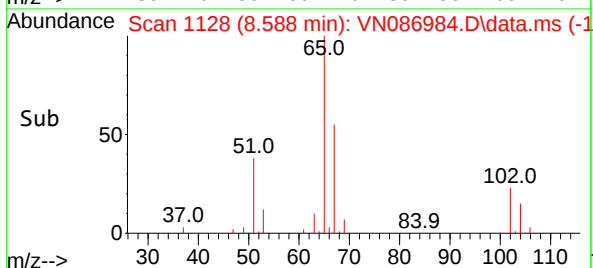
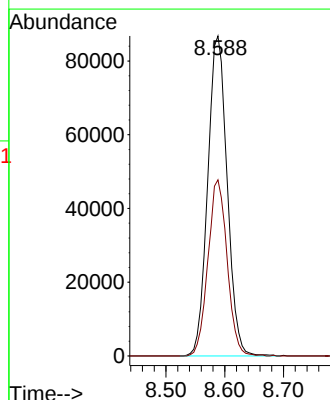
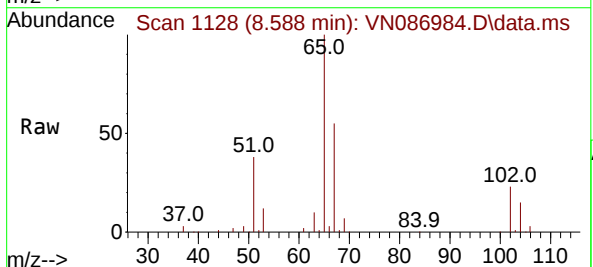
Instrument :
MSVOA_N
ClientSampleId :
TB-20250605

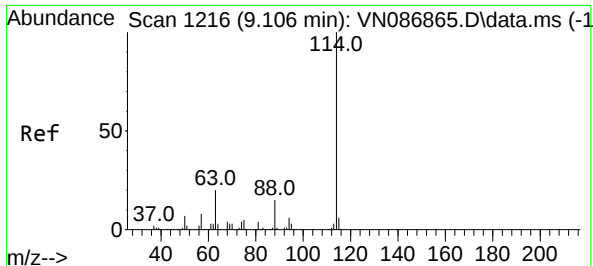
Tgt Ion:168 Resp: 283433
Ion Ratio Lower Upper
168 100
99 58.4 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 52.554 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

Tgt Ion: 65 Resp: 199435
Ion Ratio Lower Upper
65 100
67 54.2 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086984.D

Acq: 12 Jun 2025 17:48

Instrument :

MSVOA_N

ClientSampleId :

TB-20250605

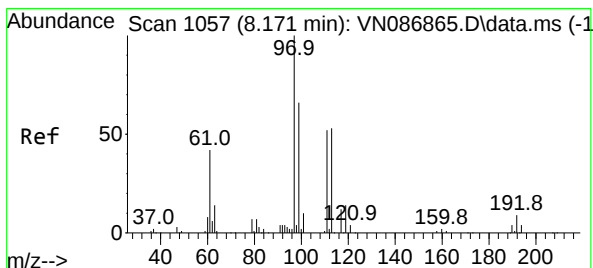
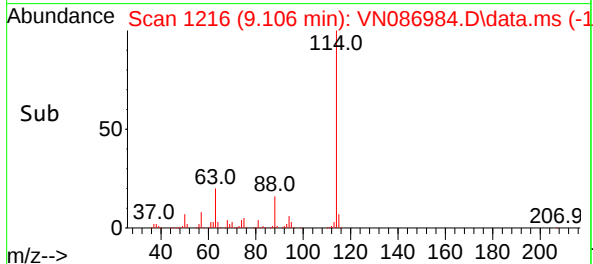
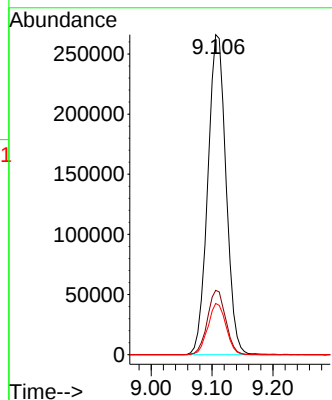
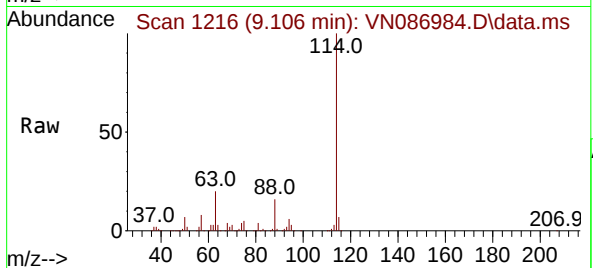
Tgt Ion:114 Resp: 552519

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 16.0 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.965 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086984.D

Acq: 12 Jun 2025 17:48

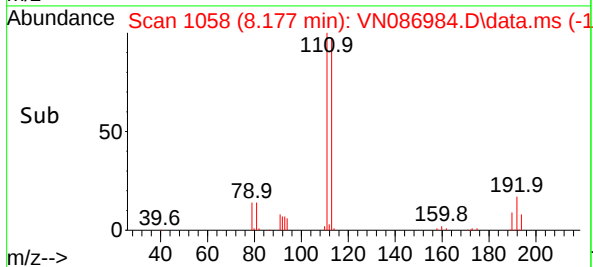
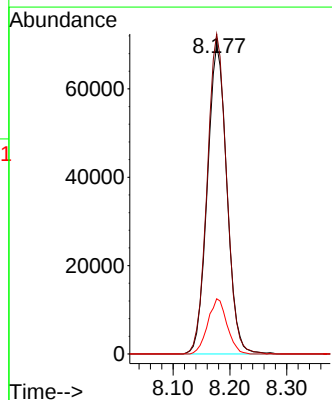
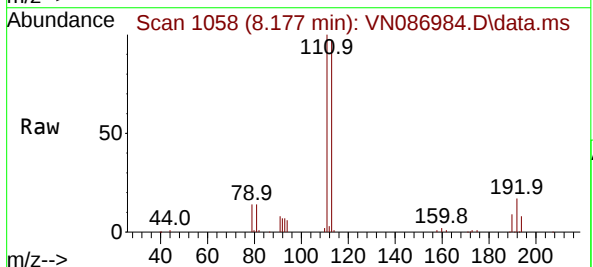
Tgt Ion:113 Resp: 166879

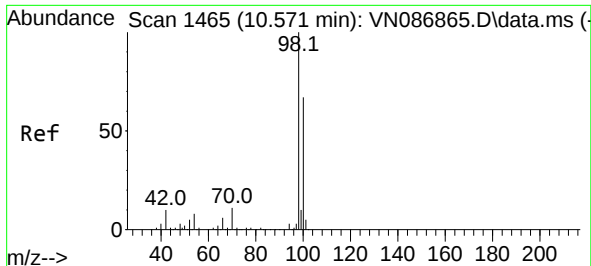
Ion Ratio Lower Upper

113 100

111 102.8 84.2 126.2

192 17.5 14.2 21.4

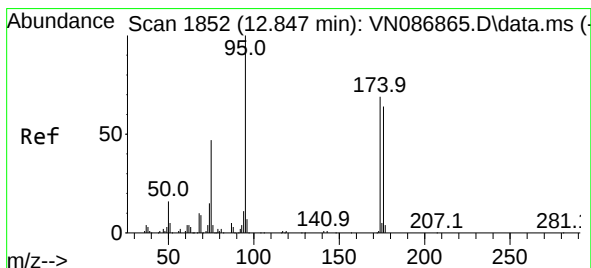
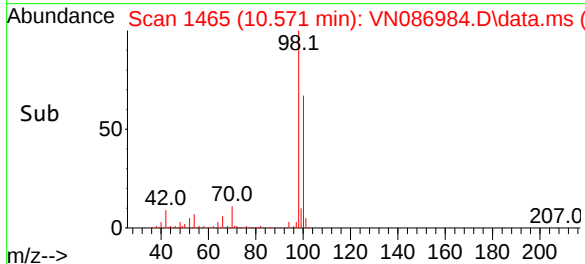
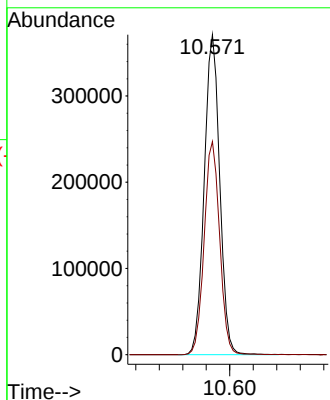
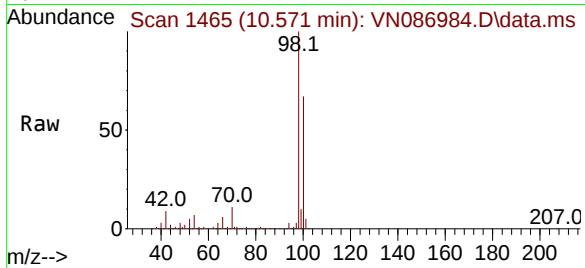




#50
Toluene-d8
Concen: 52.314 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

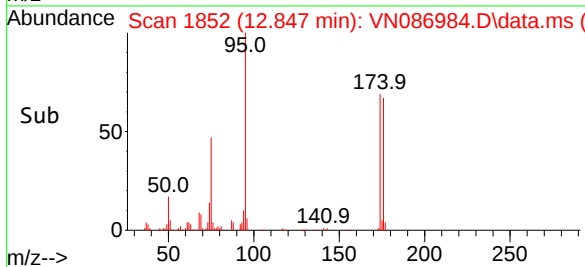
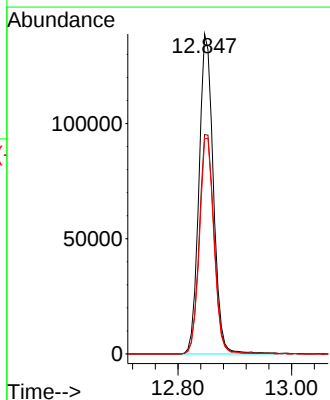
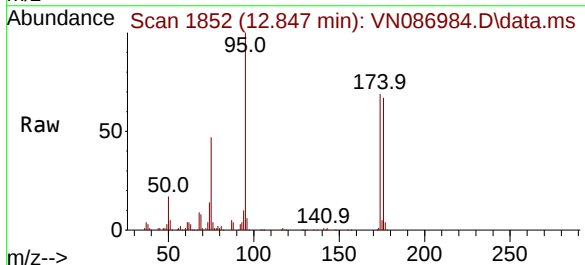
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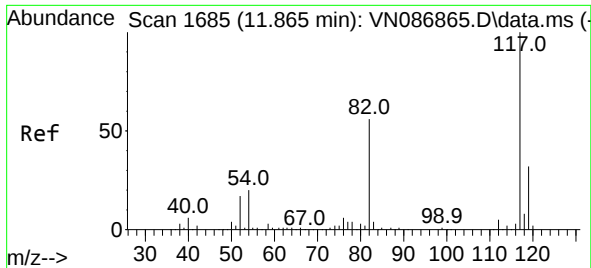
Tgt Ion: 98 Resp: 678117
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 50.701 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

Tgt Ion: 95 Resp: 244170
Ion Ratio Lower Upper
95 100
174 70.4 0.0 141.8
176 68.0 0.0 132.6

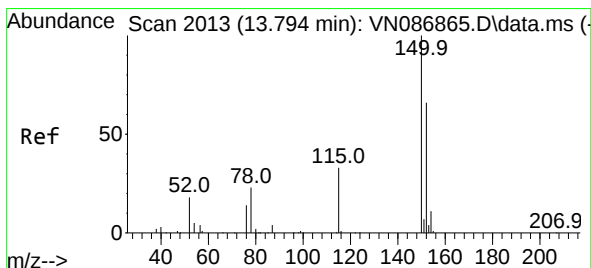
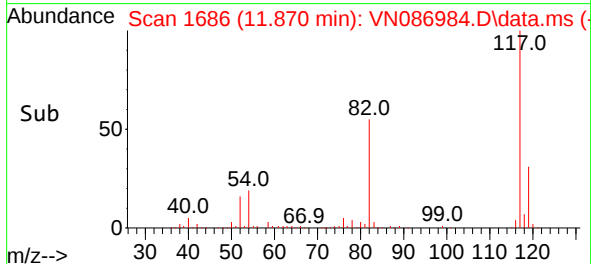
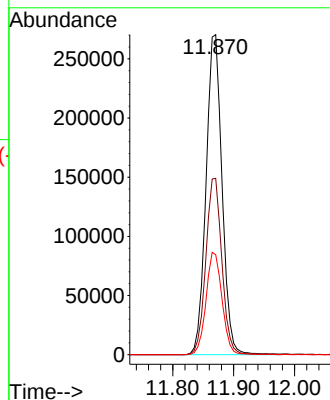
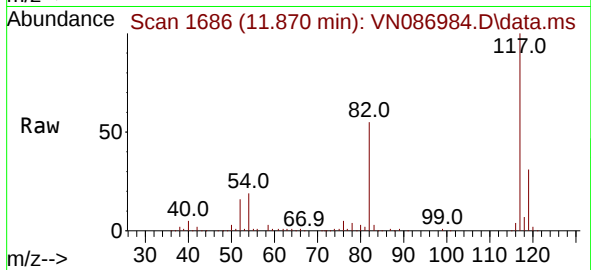




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

Instrument :
MSVOA_N
ClientSampleId :
TB-20250605

Tgt Ion:117 Resp: 494879
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 31.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

Tgt Ion:152 Resp: 234248
Ion Ratio Lower Upper
152 100
115 60.5 30.1 90.5
150 159.2 0.0 345.0

