

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086920.D
 Acq On : 10 Jun 2025 12:08
 Operator : JC\MD
 Sample : Q2250-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-060525

Quant Time: Jun 11 01:51:43 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	8.230	168	350151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	648560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	563762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	266280	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	221297	47.204	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.400%
35) Dibromofluoromethane	8.177	113	187512	48.787	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.580%
50) Toluene-d8	10.565	98	777698	51.112	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.220%
62) 4-Bromofluorobenzene	12.847	95	277459	49.082	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.160%

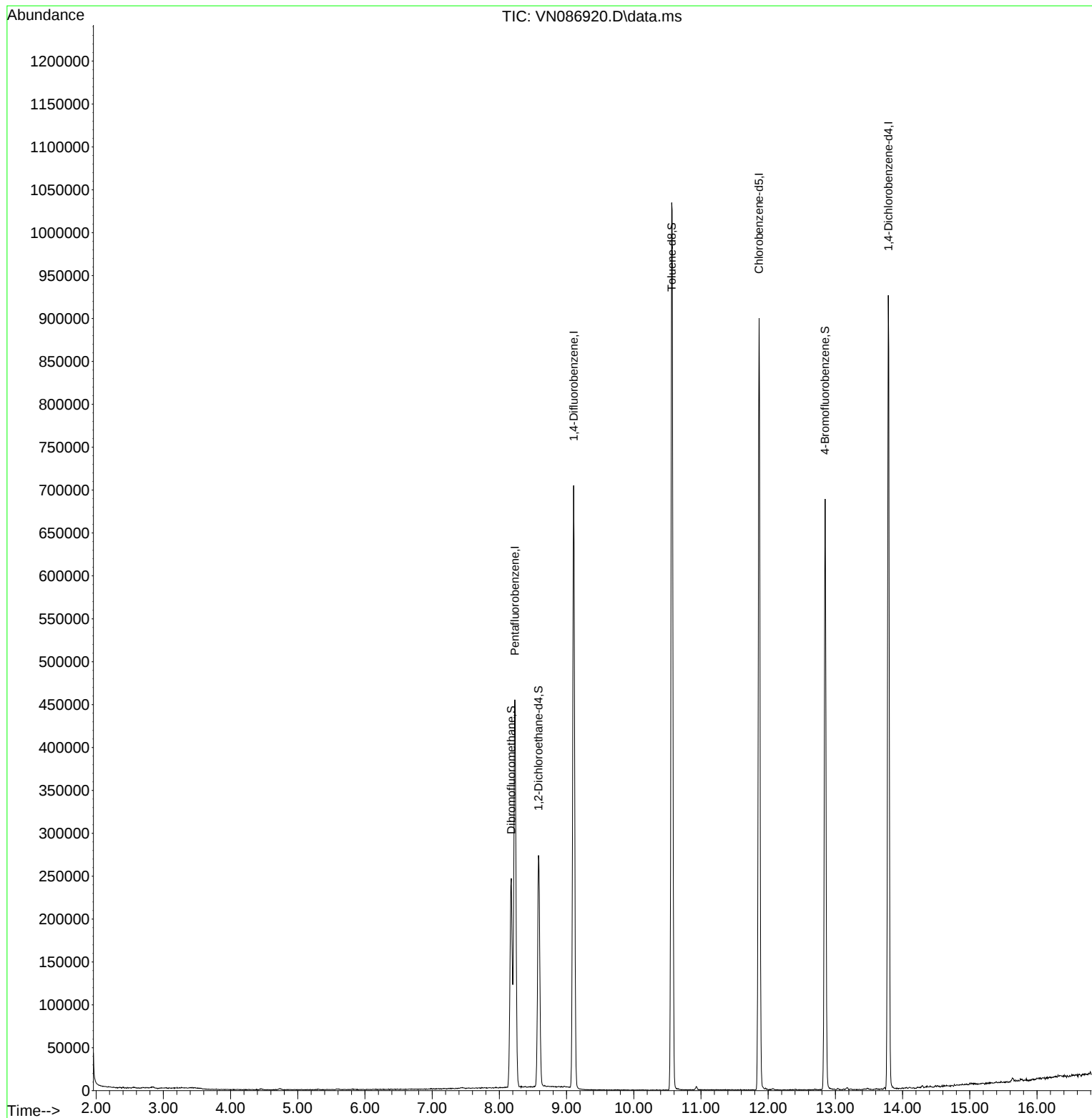
Target Compounds	Qvalue

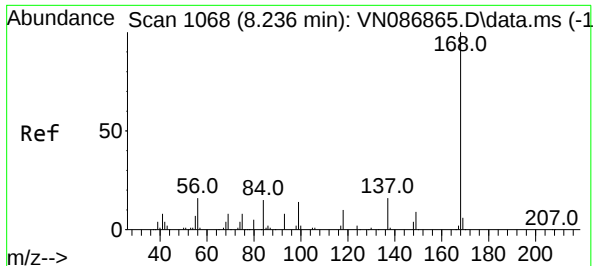
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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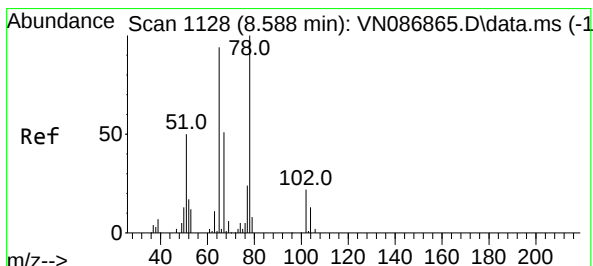
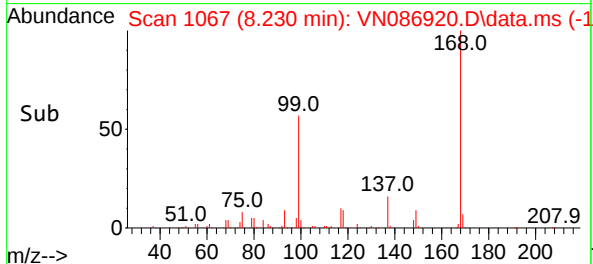
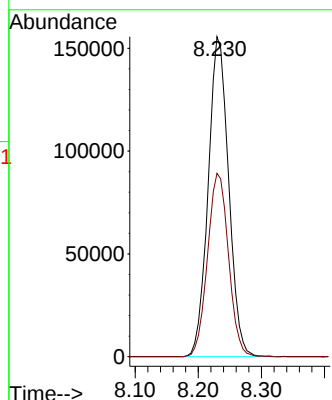
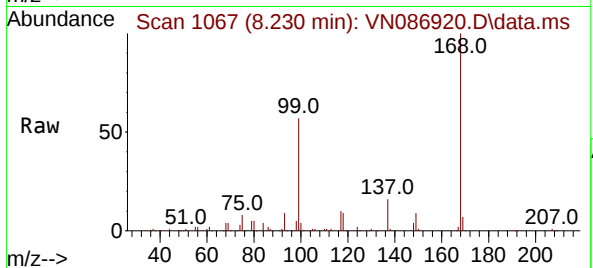




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

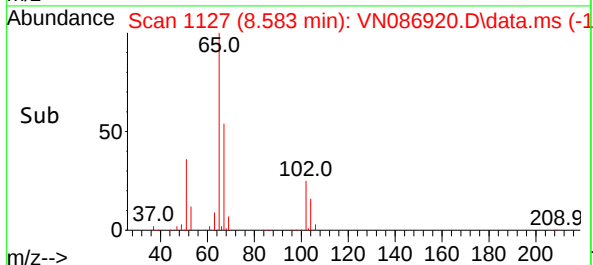
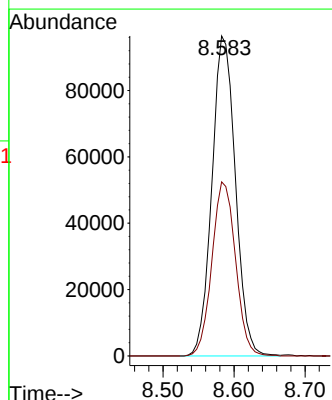
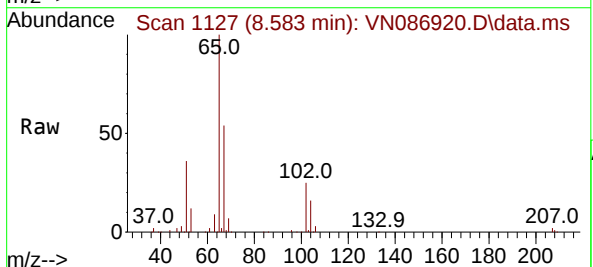
Instrument :
MSVOA_N
ClientSampleId :
TB-01-060525

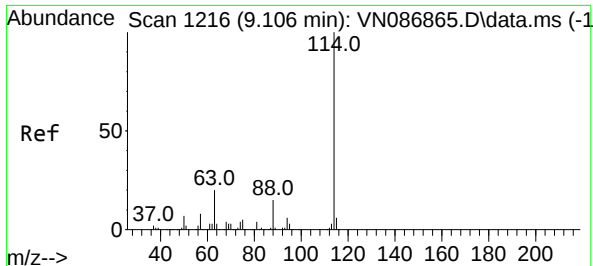
Tgt Ion:168 Resp: 350151
Ion Ratio Lower Upper
168 100
99 57.3 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 47.204 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

Tgt Ion: 65 Resp: 221297
Ion Ratio Lower Upper
65 100
67 54.6 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: VN086920.D

Acq: 10 Jun 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

TB-01-060525

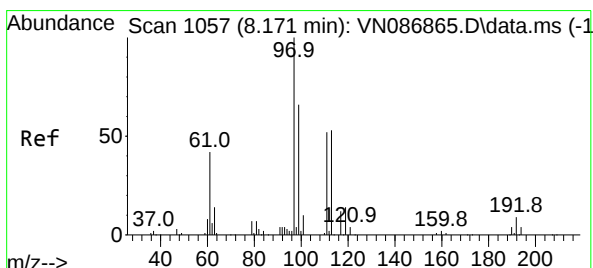
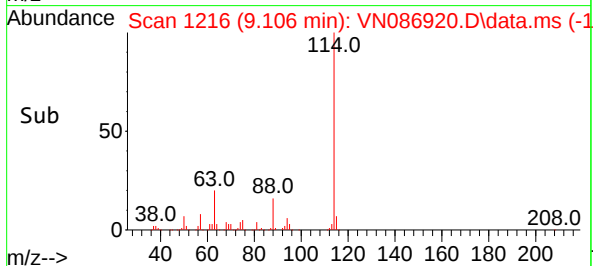
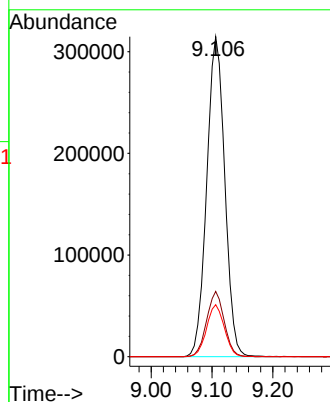
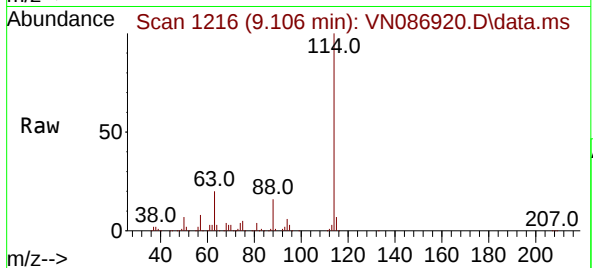
Tgt Ion:114 Resp: 648560

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 16.2 0.0 30.2



#35

Dibromofluoromethane

Concen: 48.787 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086920.D

Acq: 10 Jun 2025 12:08

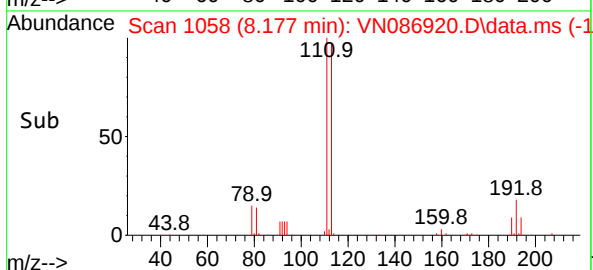
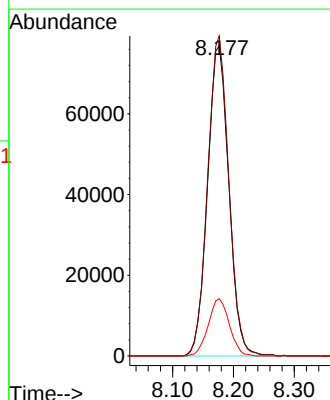
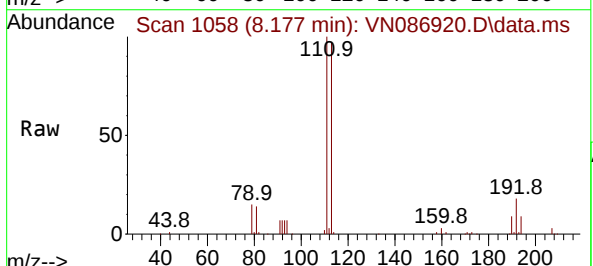
Tgt Ion:113 Resp: 187512

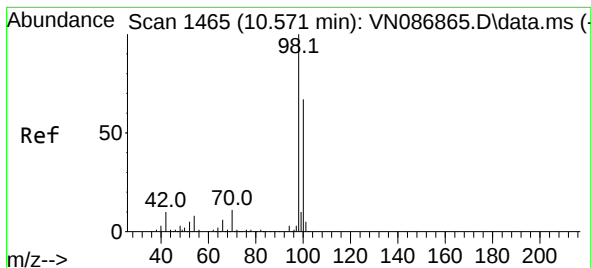
Ion Ratio Lower Upper

113 100

111 102.2 84.2 126.2

192 18.2 14.2 21.4

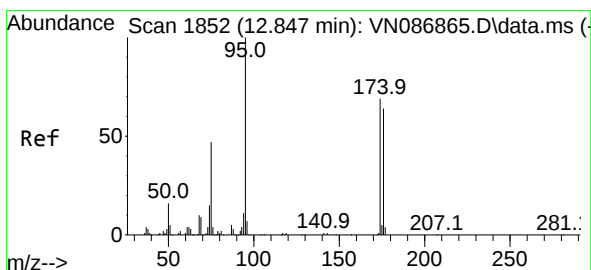
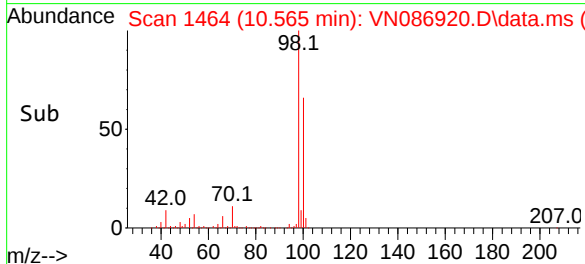
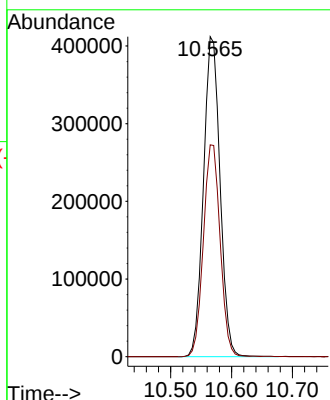
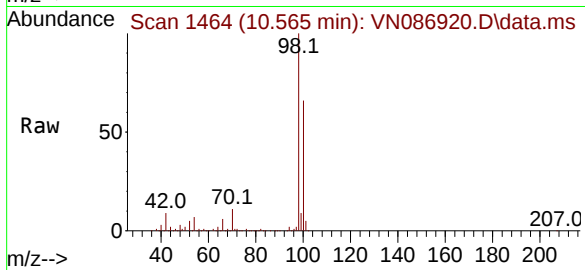




#50
Toluene-d8
Concen: 51.112 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

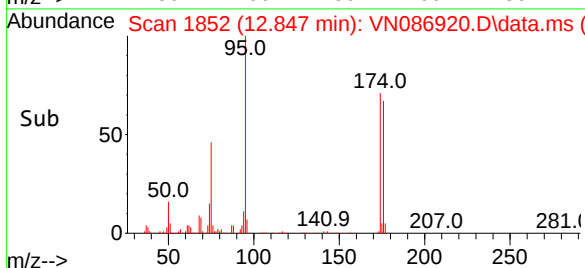
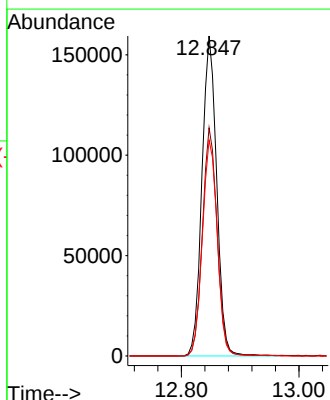
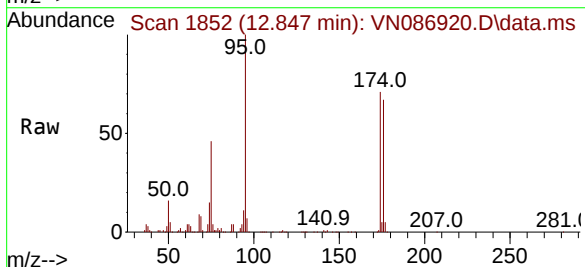
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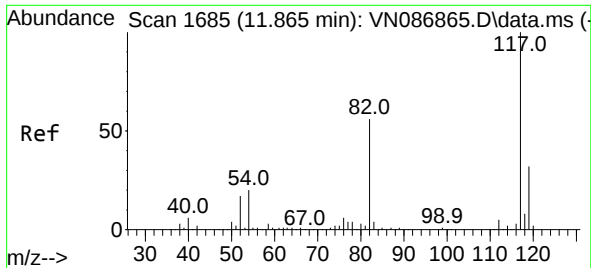
Tgt Ion: 98 Resp: 777698
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.082 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

Tgt Ion: 95 Resp: 277459
Ion Ratio Lower Upper
95 100
174 70.9 0.0 141.8
176 67.9 0.0 132.6

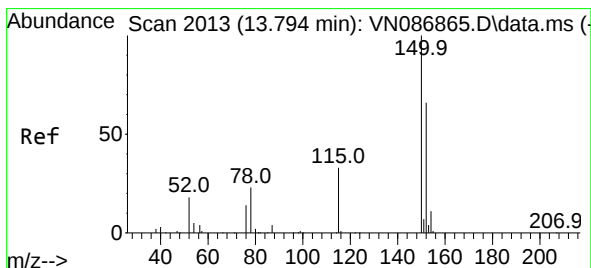
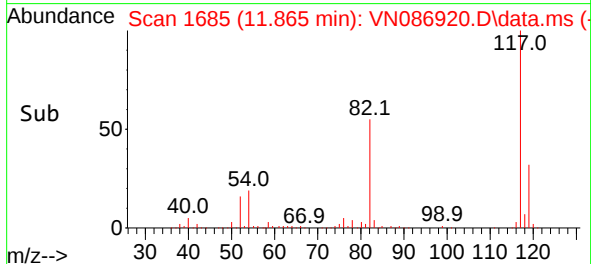
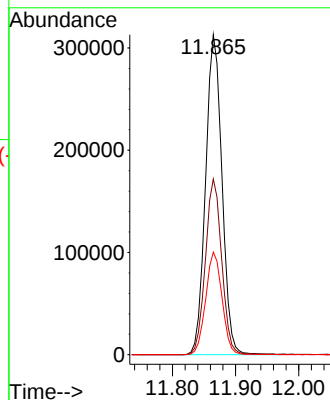
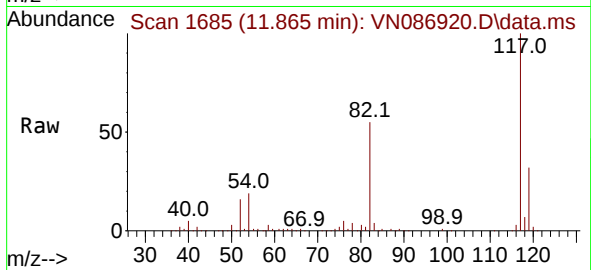




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
TB-01-060525

Tgt Ion:117 Resp: 563762
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

Tgt Ion:152 Resp: 266280
Ion Ratio Lower Upper
152 100
115 61.7 30.1 90.5
150 160.6 0.0 345.0

