

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087097.D
 Acq On : 18 Jun 2025 19:21
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Jun 19 01:34:24 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	8.229	168	151838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	305775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126979	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	112887	55.529	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.060%
35) Dibromofluoromethane	8.177	113	94815	52.323	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.640%
50) Toluene-d8	10.565	98	376582	52.496	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.000%
62) 4-Bromofluorobenzene	12.847	95	130417	48.933	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.860%

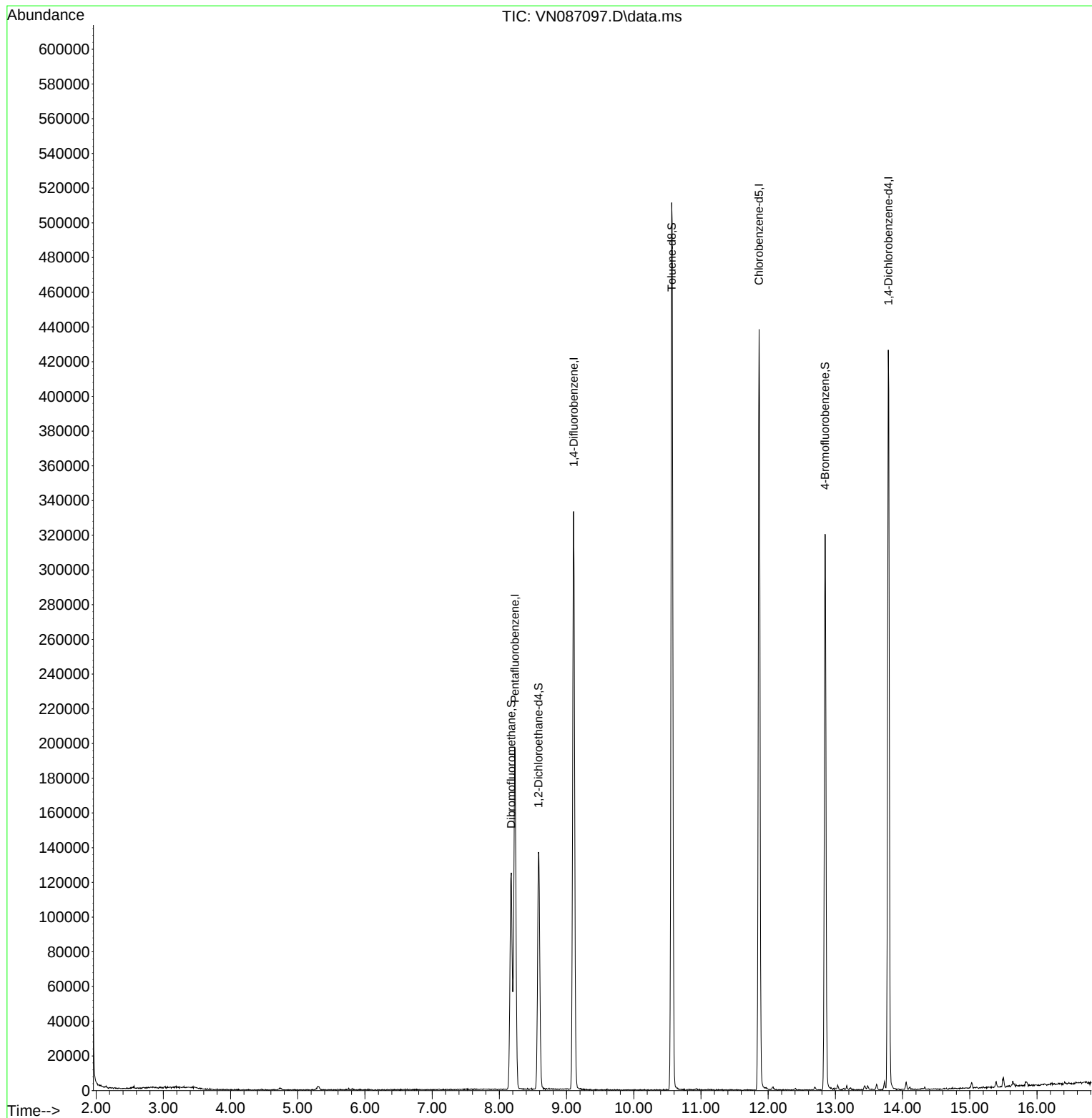
Target Compounds	Qvalue

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

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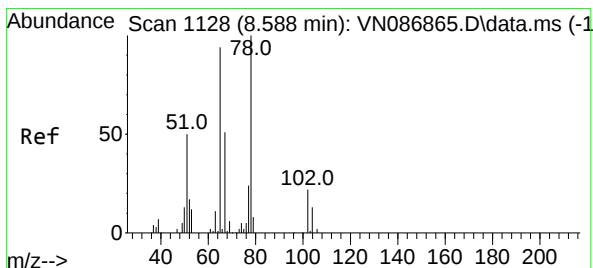
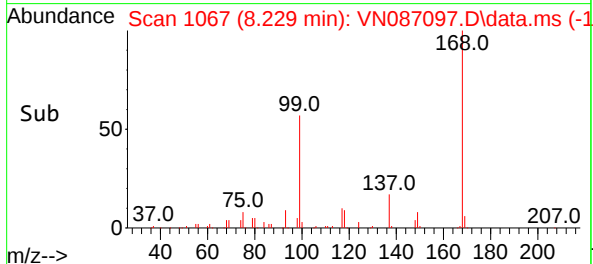
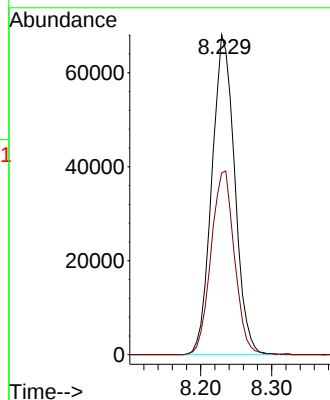
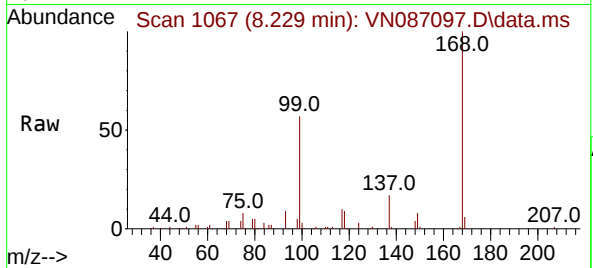




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087097.D
Acq: 18 Jun 2025 19:21

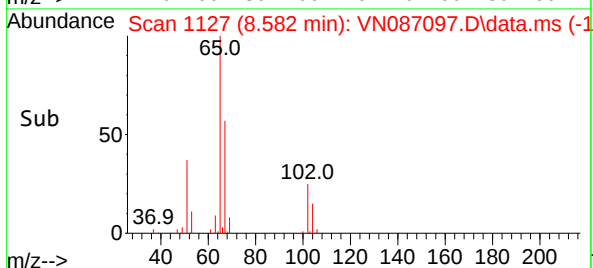
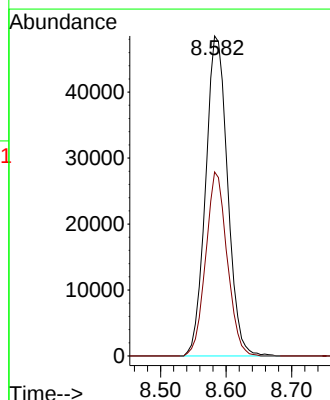
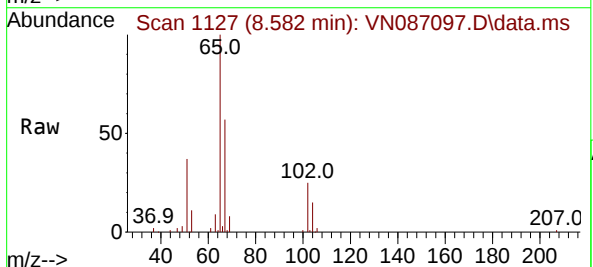
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

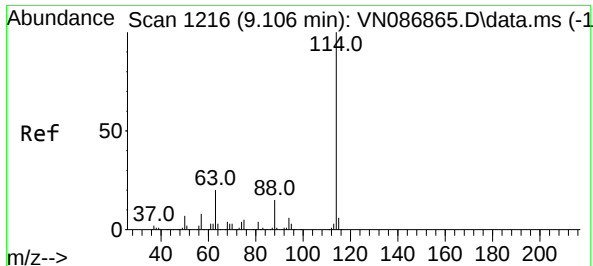
Tgt Ion:168 Resp: 151838
Ion Ratio Lower Upper
168 100
99 56.8 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 55.529 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087097.D
Acq: 18 Jun 2025 19:21

Tgt Ion: 65 Resp: 112887
Ion Ratio Lower Upper
65 100
67 56.1 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: VN087097.D

Acq: 18 Jun 2025 19:21

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

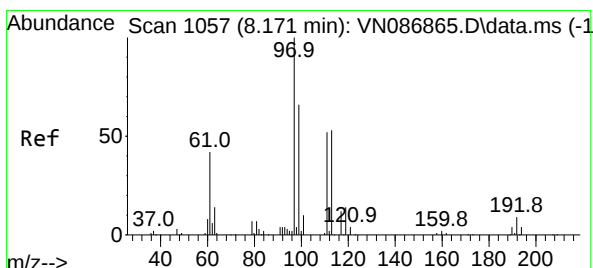
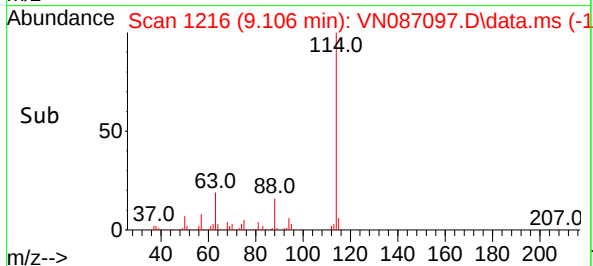
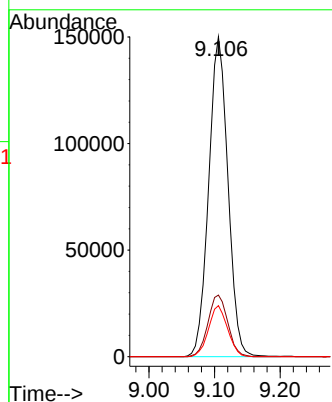
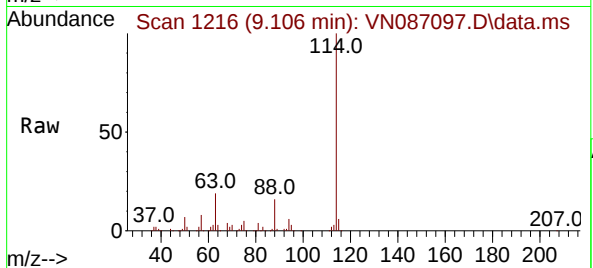
Tgt Ion:114 Resp: 305775

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 16.0 0.0 30.2



#35

Dibromofluoromethane

Concen: 52.323 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087097.D

Acq: 18 Jun 2025 19:21

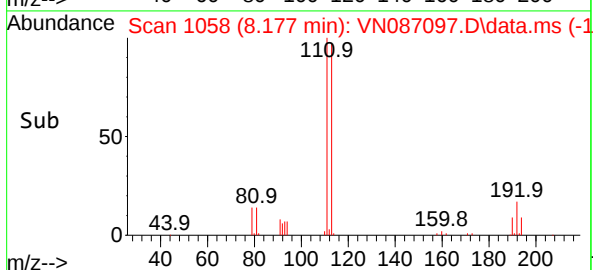
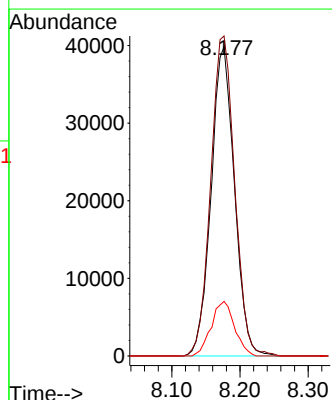
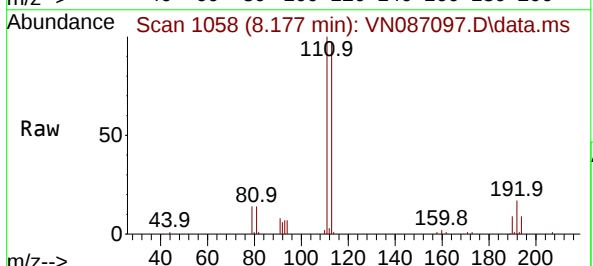
Tgt Ion:113 Resp: 94815

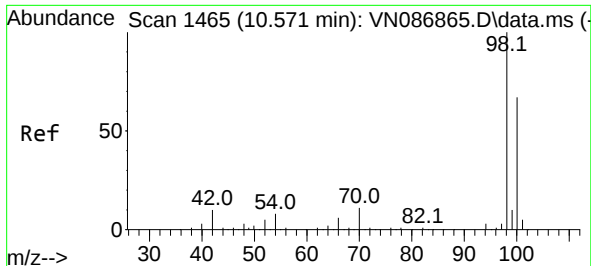
Ion Ratio Lower Upper

113 100

111 106.2 84.2 126.2

192 17.7 14.2 21.4

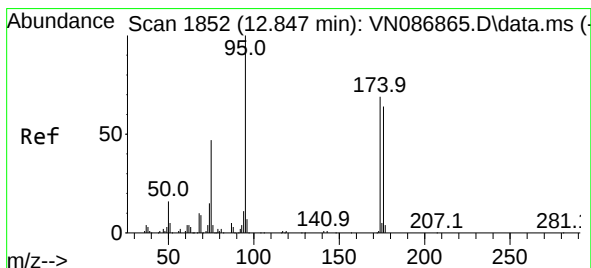
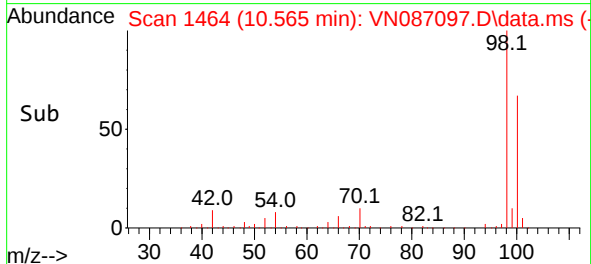
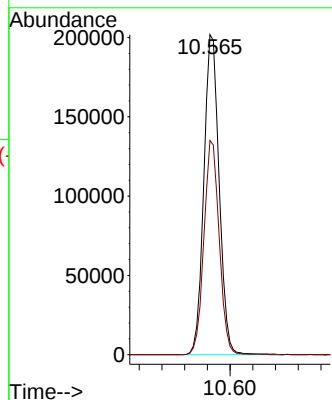
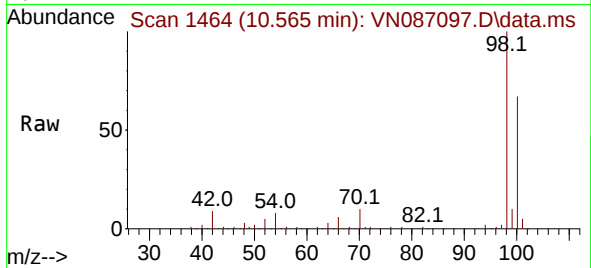




#50
Toluene-d8
Concen: 52.496 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087097.D
Acq: 18 Jun 2025 19:21

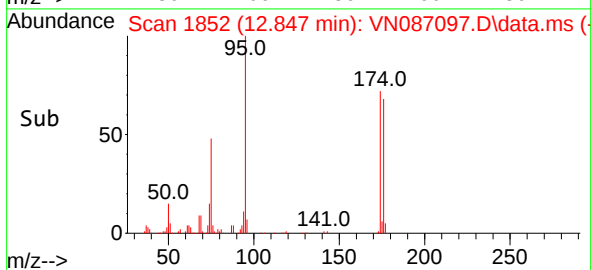
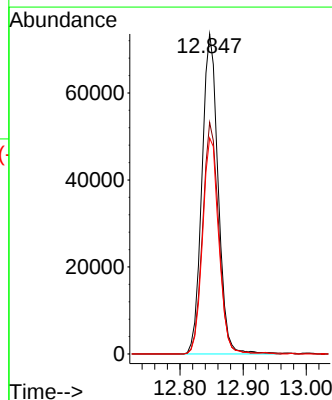
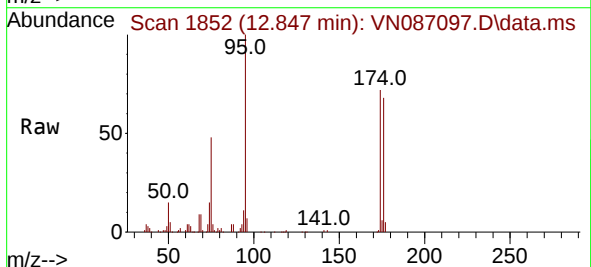
Instrument :
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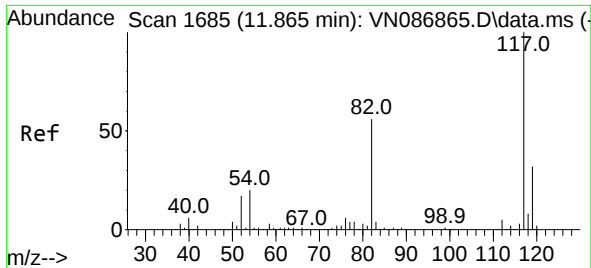
Tgt Ion: 98 Resp: 376582
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 48.933 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087097.D
Acq: 18 Jun 2025 19:21

Tgt Ion: 95 Resp: 130417
Ion Ratio Lower Upper
95 100
174 72.5 0.0 141.8
176 67.6 0.0 132.6

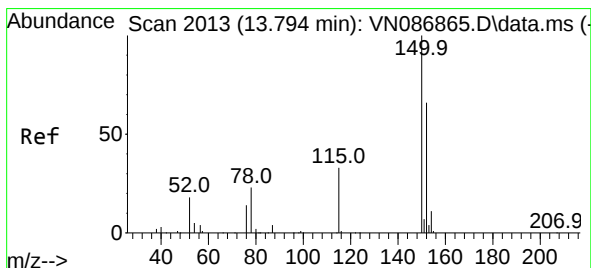
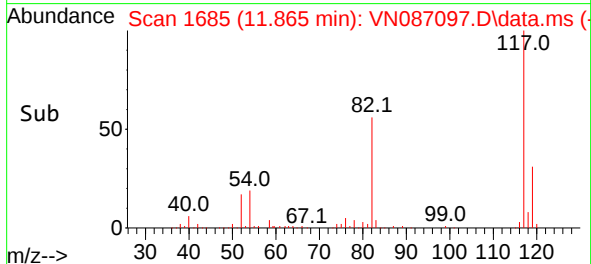
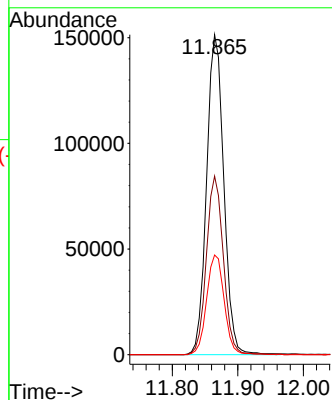
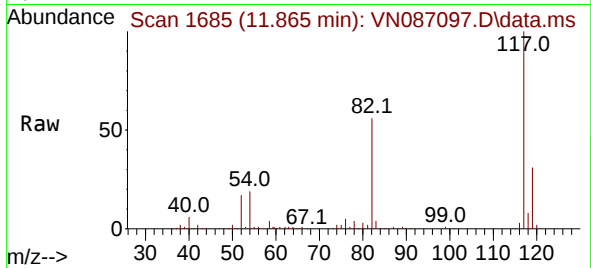




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087097.D
Acq: 18 Jun 2025 19:21

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 276771
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 31.2 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: VN087097.D
Acq: 18 Jun 2025 19:21

Tgt Ion:152 Resp: 126979
Ion Ratio Lower Upper
152 100
115 60.6 30.1 90.5
150 158.4 0.0 345.0

