

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
 Data File : VN087236.D
 Acq On : 30 Jun 2025 11:46
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 01 03:18:19 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	8.236	168	113095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	207052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	189728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	93543	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	75874	53.455	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.900%
35) Dibromofluoromethane	8.177	113	66721	50.326	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.660%
50) Toluene-d8	10.571	98	249942	48.367	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.740%
62) 4-Bromofluorobenzene	12.847	95	82881	45.077	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.160%

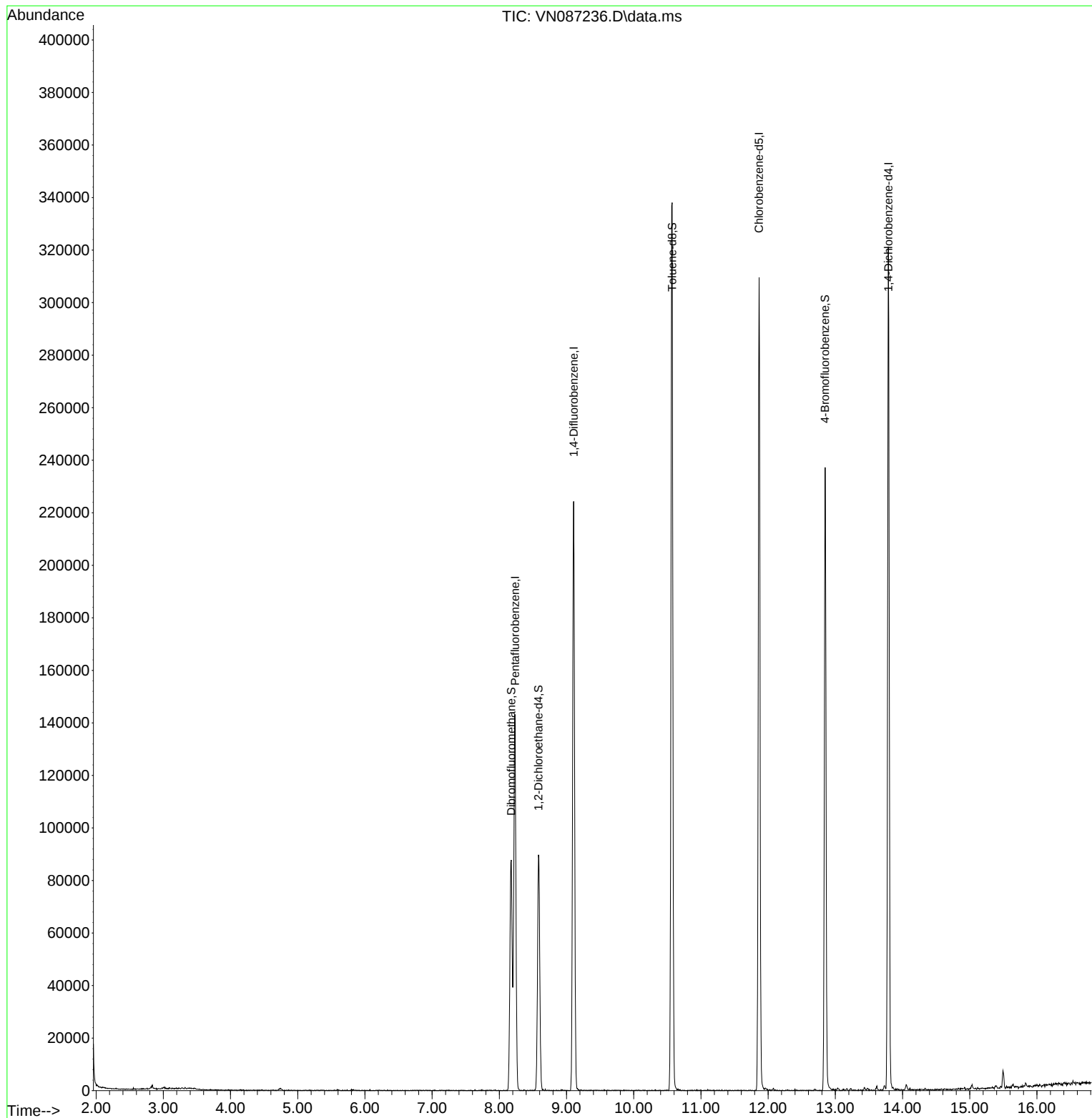
Target Compounds	Qvalue

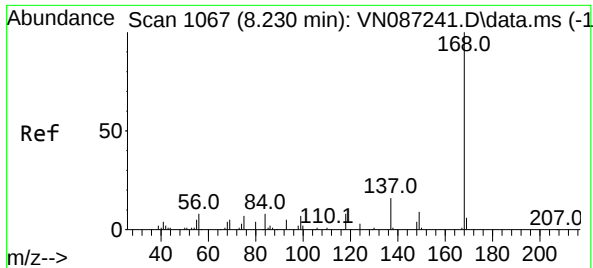
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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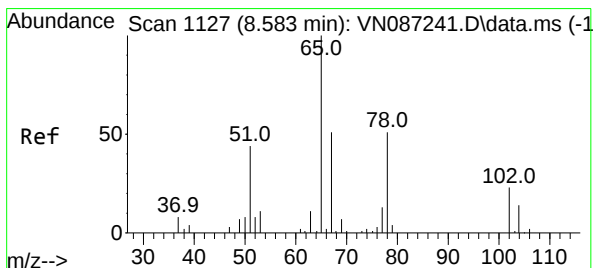
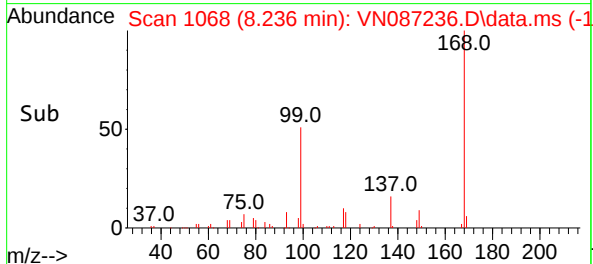
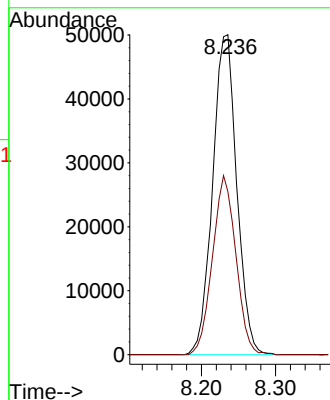
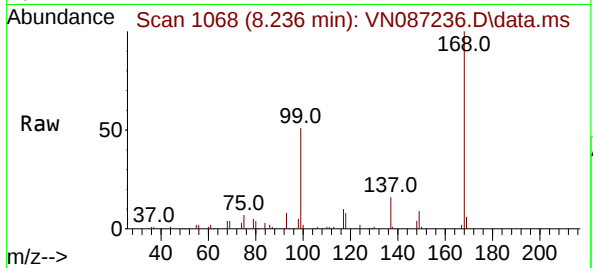




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN087236.D
Acq: 30 Jun 2025 11:46

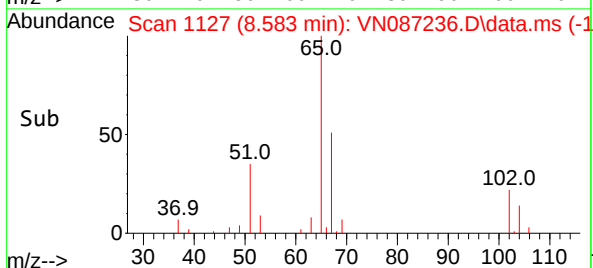
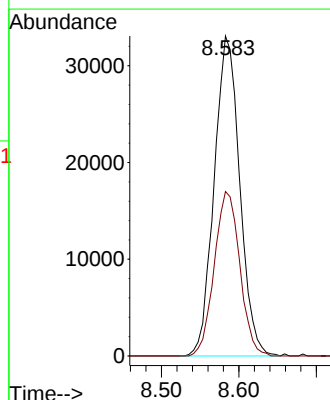
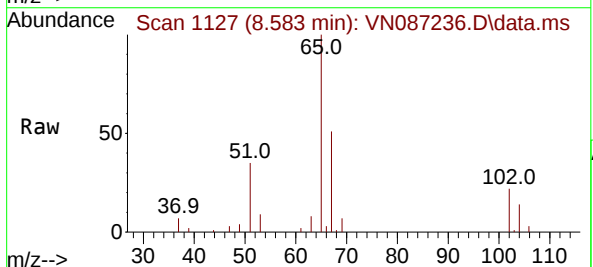
Instrument :
MSVOA_N
ClientSampleId :
IBLK

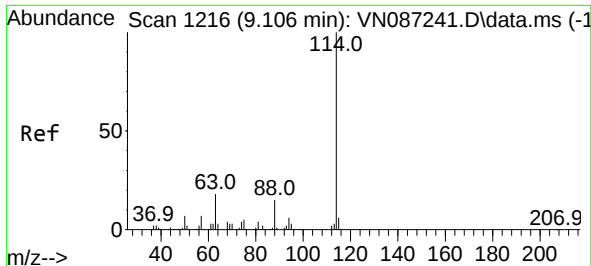
Tgt Ion:168 Resp: 113095
Ion Ratio Lower Upper
168 100
99 51.0 42.6 64.0



#33
1,2-Dichloroethane-d4
Concen: 53.455 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087236.D
Acq: 30 Jun 2025 11:46

Tgt Ion: 65 Resp: 75874
Ion Ratio Lower Upper
65 100
67 51.3 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: VN087236.D

Acq: 30 Jun 2025 11:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

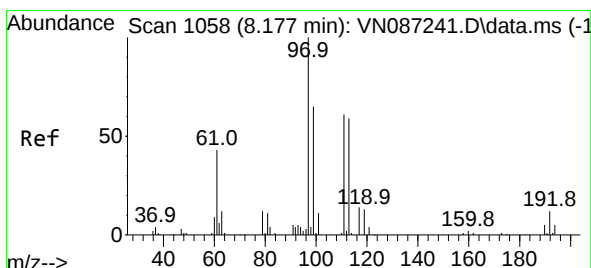
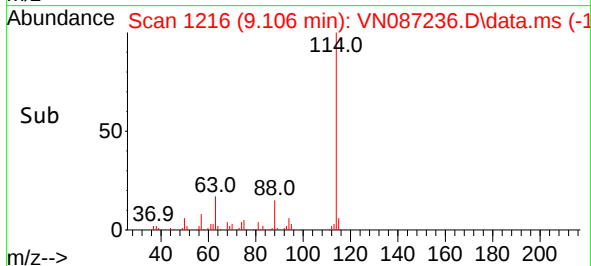
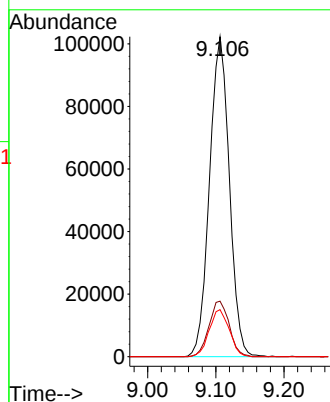
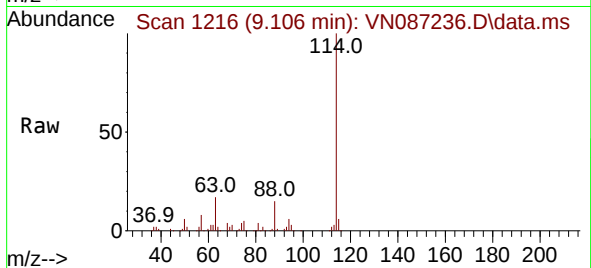
Tgt Ion:114 Resp: 207052

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

88 14.7 0.0 29.6



#35

Dibromofluoromethane

Concen: 50.326 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN087236.D

Acq: 30 Jun 2025 11:46

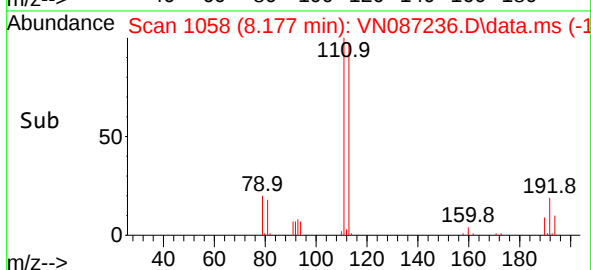
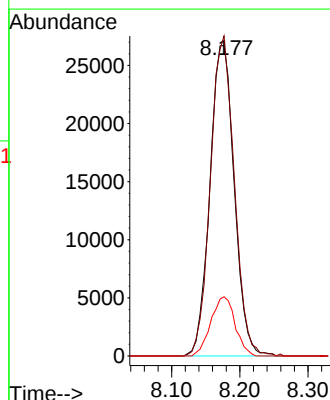
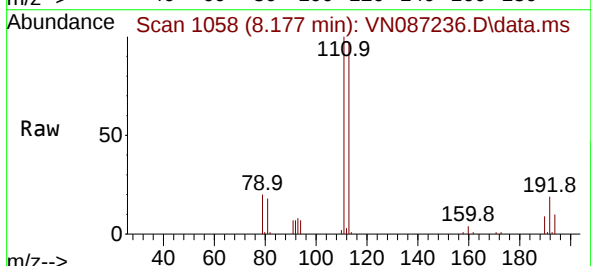
Tgt Ion:113 Resp: 66721

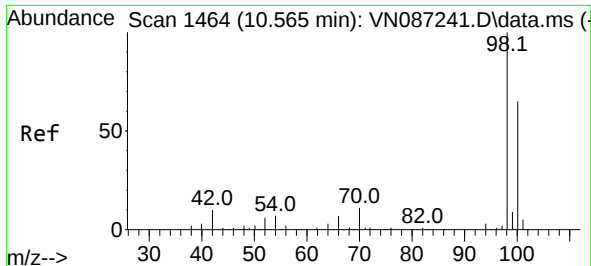
Ion Ratio Lower Upper

113 100

111 100.7 81.4 122.2

192 18.9 15.1 22.7

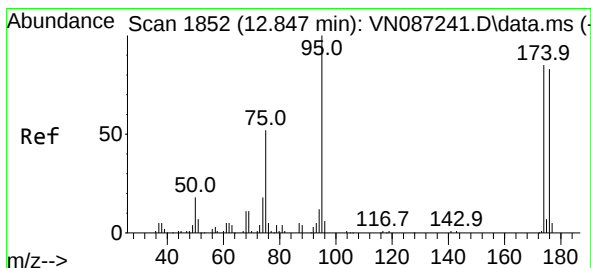
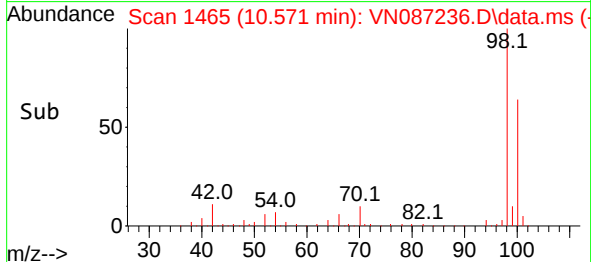
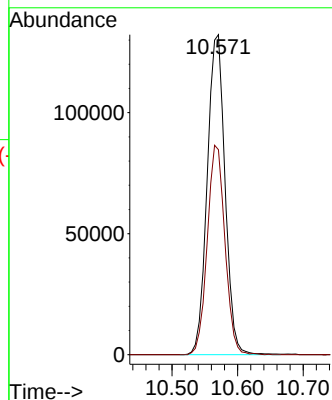
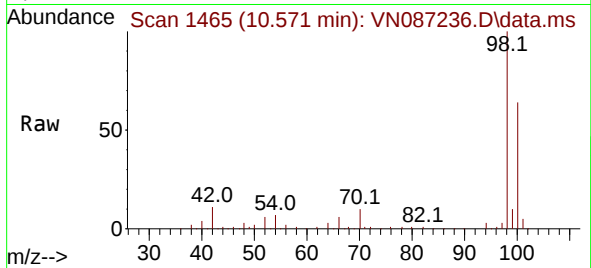




#50
Toluene-d8
Concen: 48.367 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN087236.D
Acq: 30 Jun 2025 11:46

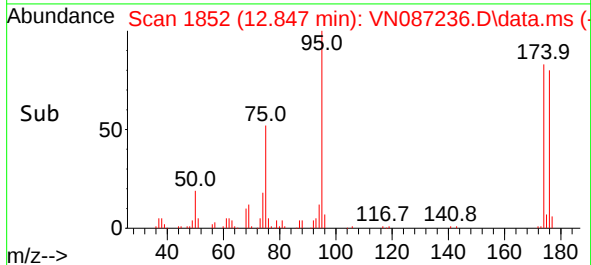
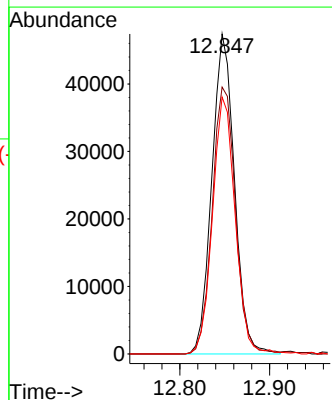
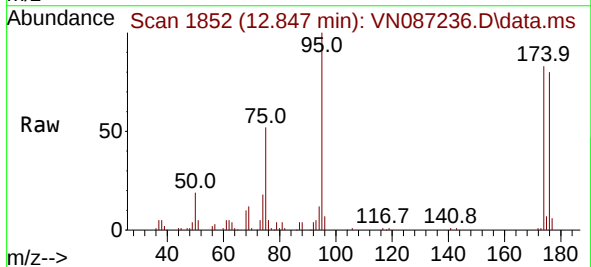
Instrument :
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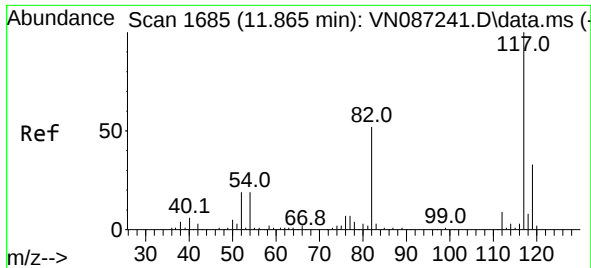
Tgt Ion: 98 Resp: 249942
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.077 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087236.D
Acq: 30 Jun 2025 11:46

Tgt Ion: 95 Resp: 82881
Ion Ratio Lower Upper
95 100
174 86.4 0.0 169.6
176 80.8 0.0 161.6

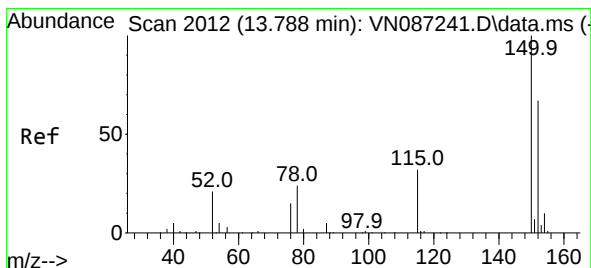
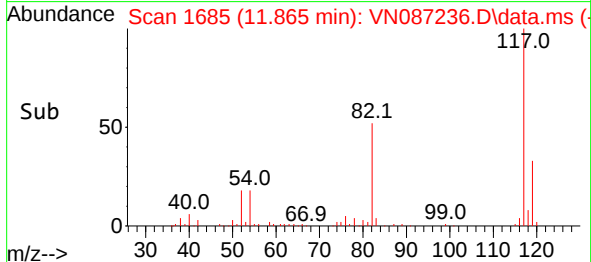
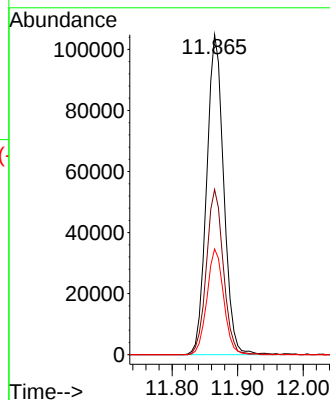
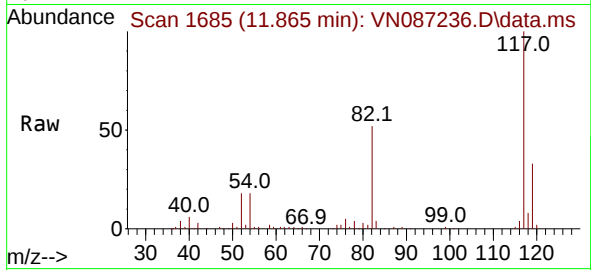




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087236.D
Acq: 30 Jun 2025 11:46

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 189728
Ion Ratio Lower Upper
117 100
82 51.6 41.9 62.9
119 33.1 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: VN087236.D
Acq: 30 Jun 2025 11:46

Tgt Ion:152 Resp: 93543
Ion Ratio Lower Upper
152 100
115 56.7 28.3 84.9
150 155.5 0.0 344.6

