

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087228.D
 Acq On : 27 Jun 2025 17:21
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 27 23:48:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	147963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	297512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133572	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	125449	58.915	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.820%
35) Dibromofluoromethane	8.177	113	97506	50.693	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.380%
50) Toluene-d8	10.565	98	391462	49.208	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.420%
62) 4-Bromofluorobenzene	12.847	95	134856	48.854	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.700%

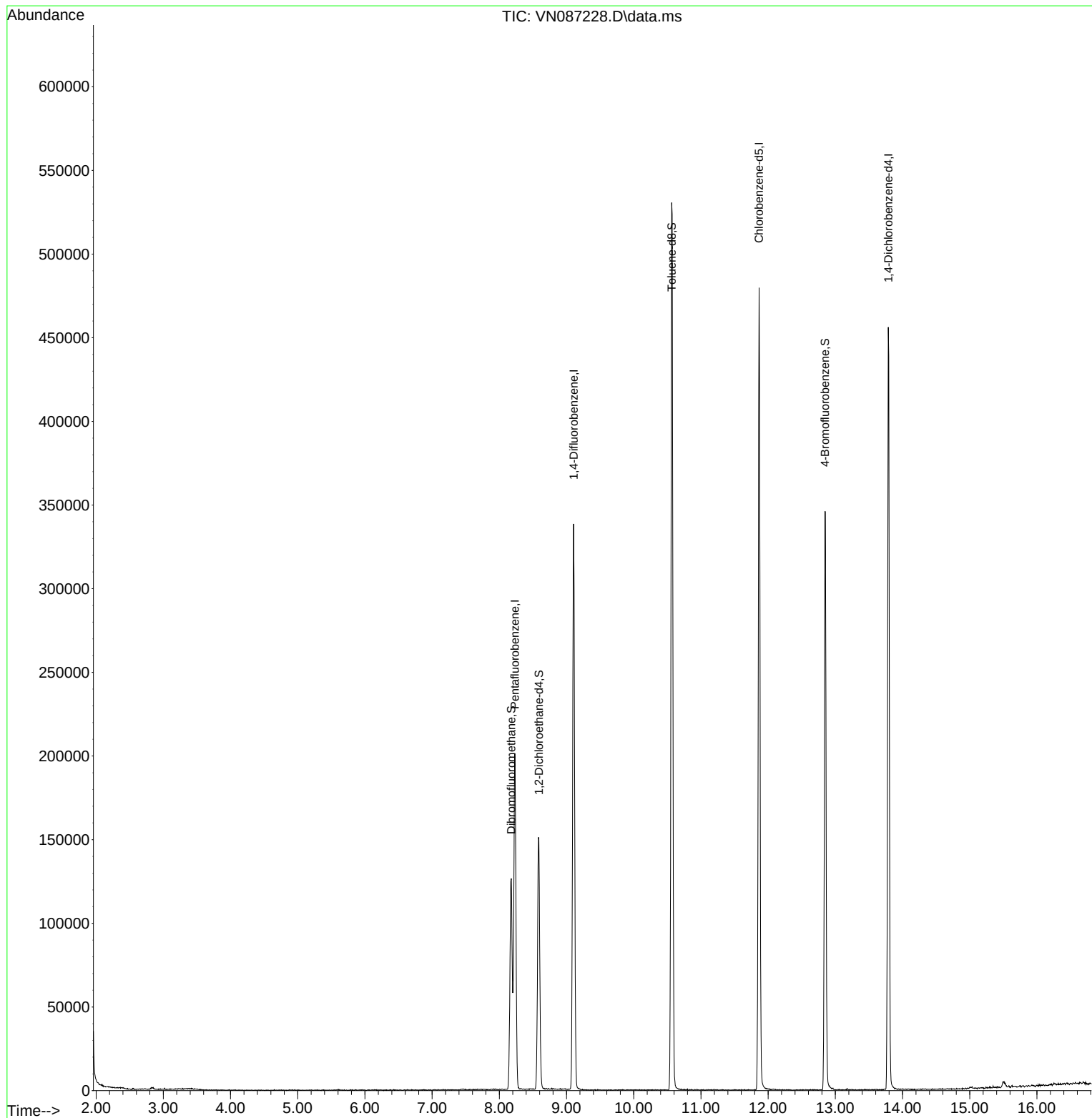
Target Compounds	Qvalue

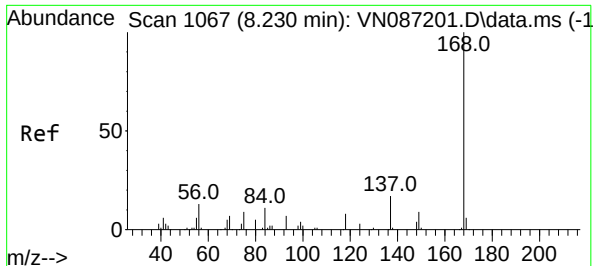
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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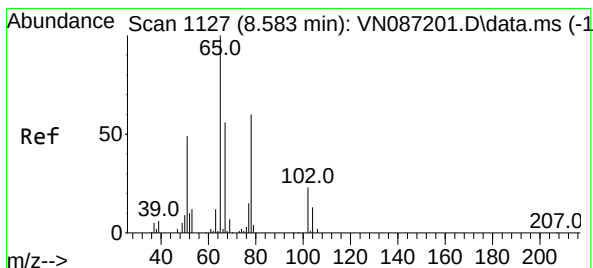
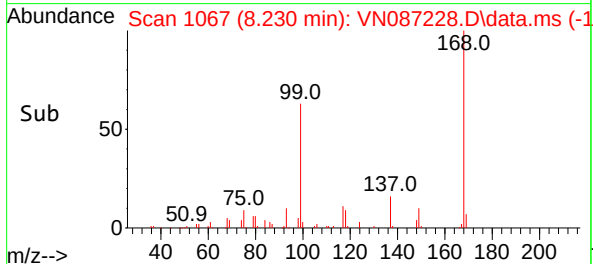
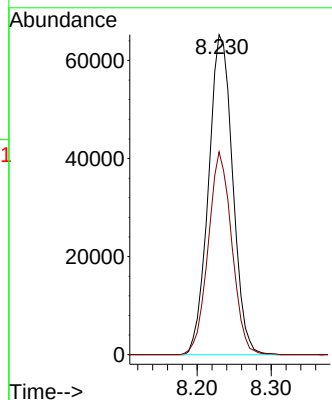
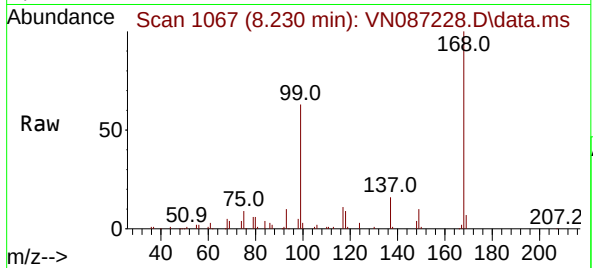




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

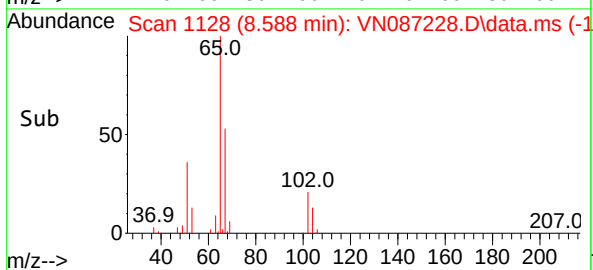
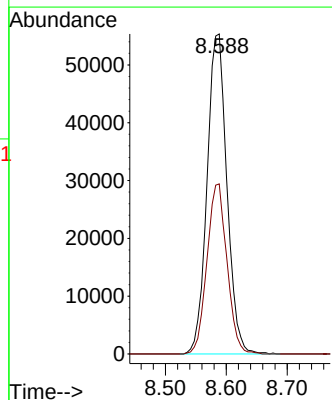
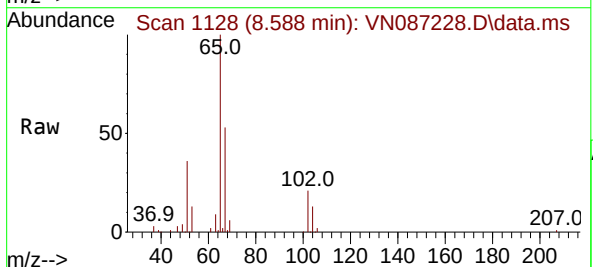
Instrument :
MSVOA_N
ClientSampleId :
IBLK

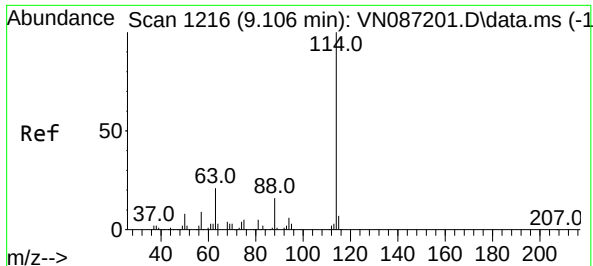
Tgt Ion:168 Resp: 147963
Ion Ratio Lower Upper
168 100
99 63.4 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 58.915 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

Tgt Ion: 65 Resp: 125449
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087228.D

Acq: 27 Jun 2025 17:21

Instrument :

MSVOA_N

ClientSampleId :

IBLK

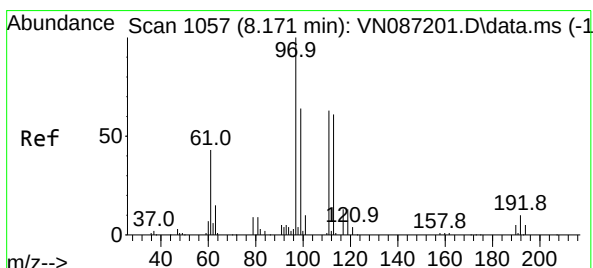
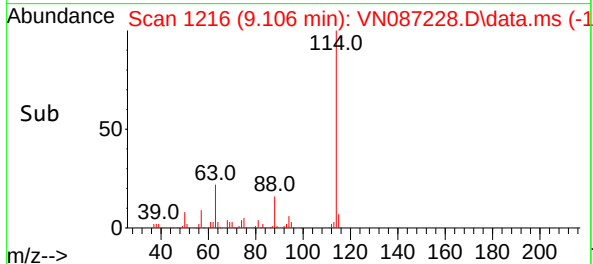
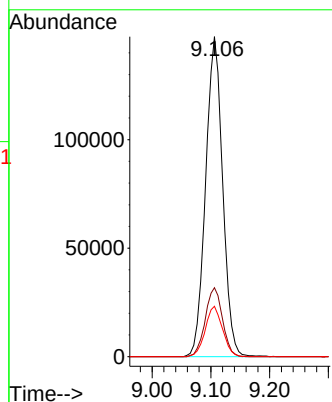
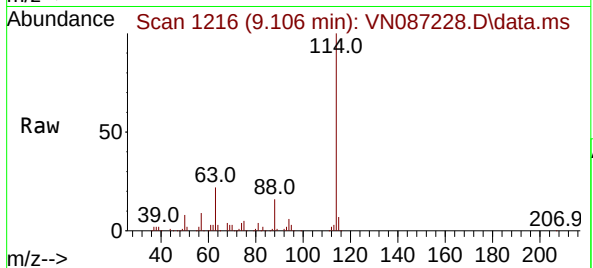
Tgt Ion:114 Resp: 297512

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.0

88 15.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.693 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087228.D

Acq: 27 Jun 2025 17:21

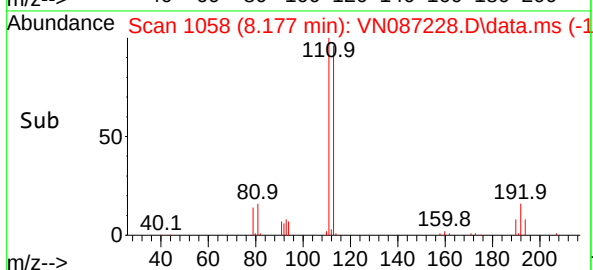
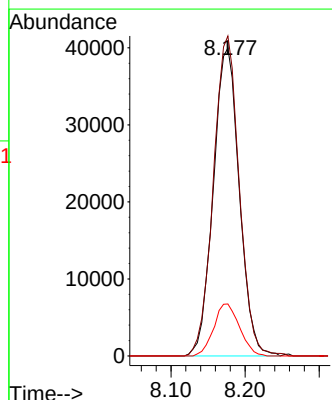
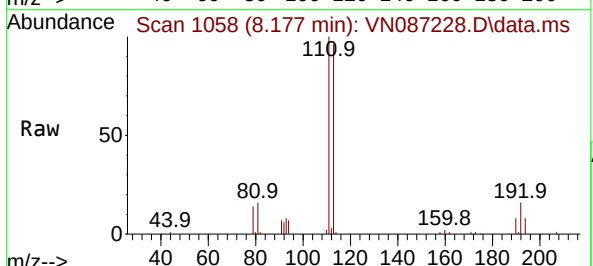
Tgt Ion:113 Resp: 97506

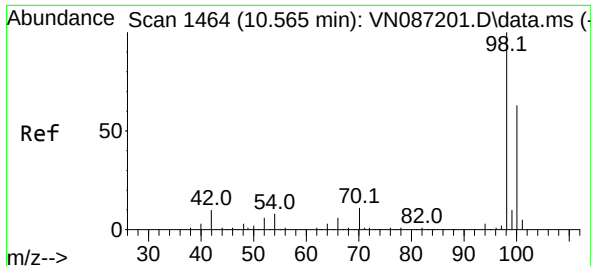
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 16.8 13.5 20.3

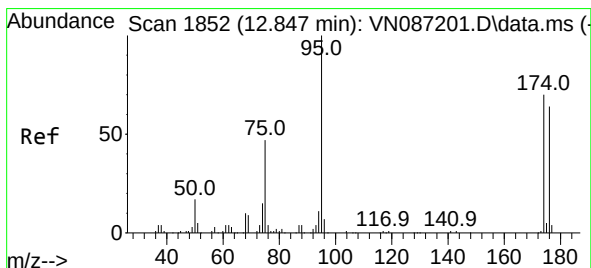
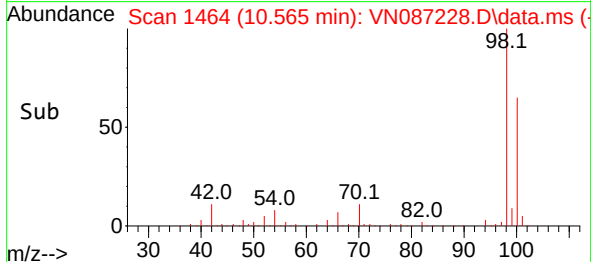
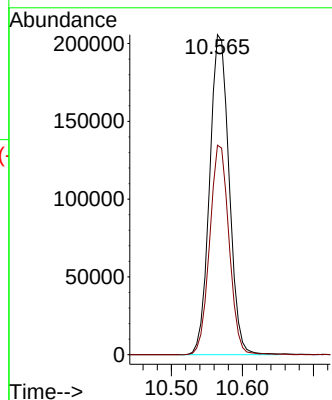
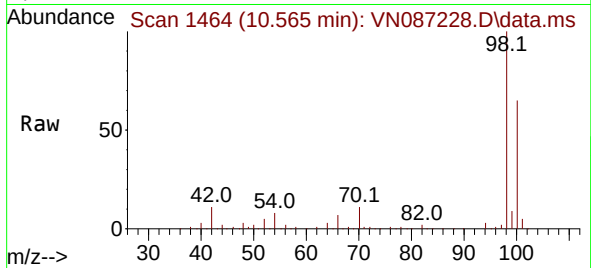




#50
Toluene-d8
Concen: 49.208 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

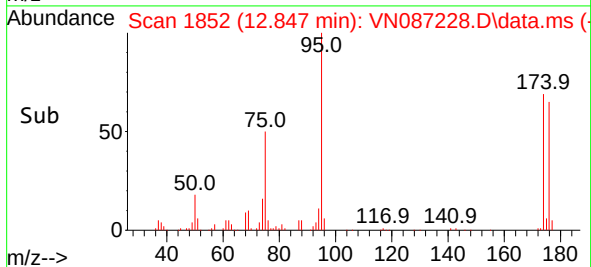
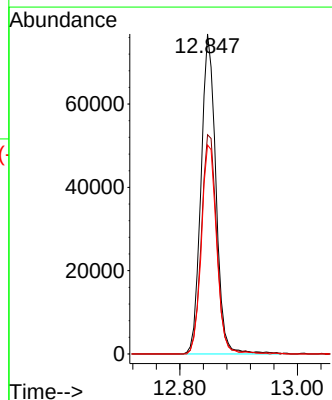
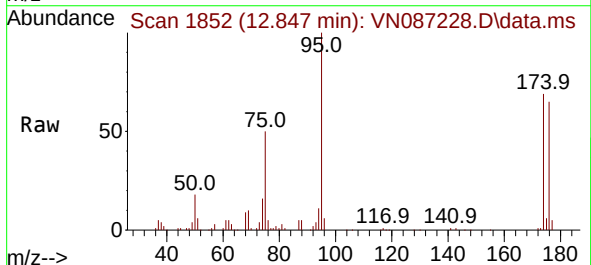
Instrument :
MSVOA_N
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IBLK

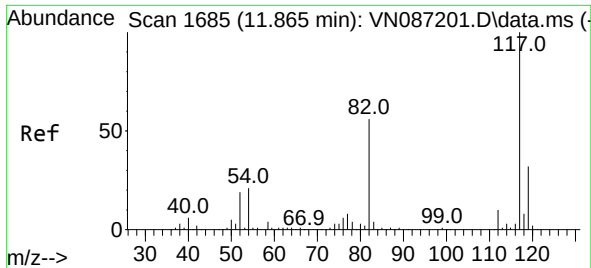
Tgt Ion: 98 Resp: 391462
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 48.854 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

Tgt Ion: 95 Resp: 134856
Ion Ratio Lower Upper
95 100
174 71.1 0.0 142.2
176 66.5 0.0 134.8

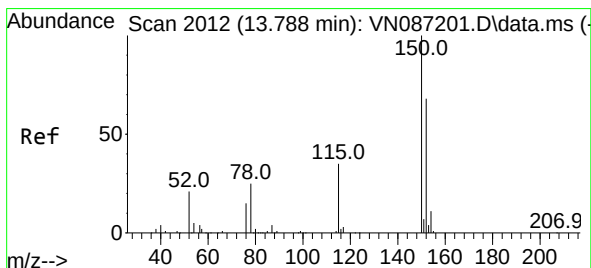
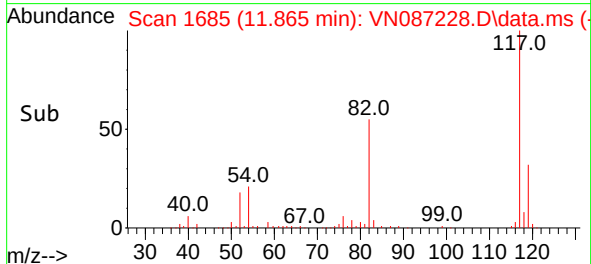
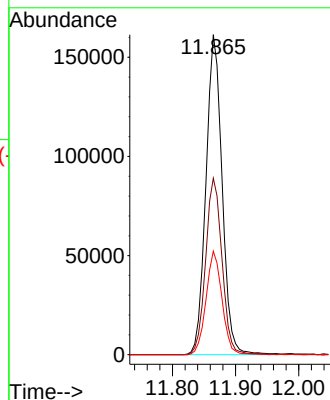
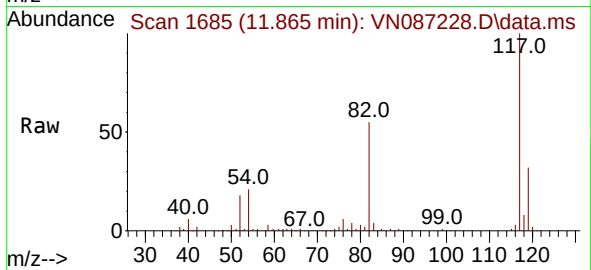




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 287389
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

Tgt Ion:152 Resp: 133572
Ion Ratio Lower Upper
152 100
115 59.9 30.6 91.8
150 154.7 0.0 347.8

