

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087226.D
 Acq On : 27 Jun 2025 16:38
 Operator : JC\MD
 Sample : Q2437-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Jun 27 23:47:19 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	136871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	285243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113401	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	119040	60.436	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	120.880%
35) Dibromofluoromethane	8.177	113	86492	46.901	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.800%
50) Toluene-d8	10.565	98	347878	45.611	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.220%
62) 4-Bromofluorobenzene	12.847	95	118481	44.768	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.540%

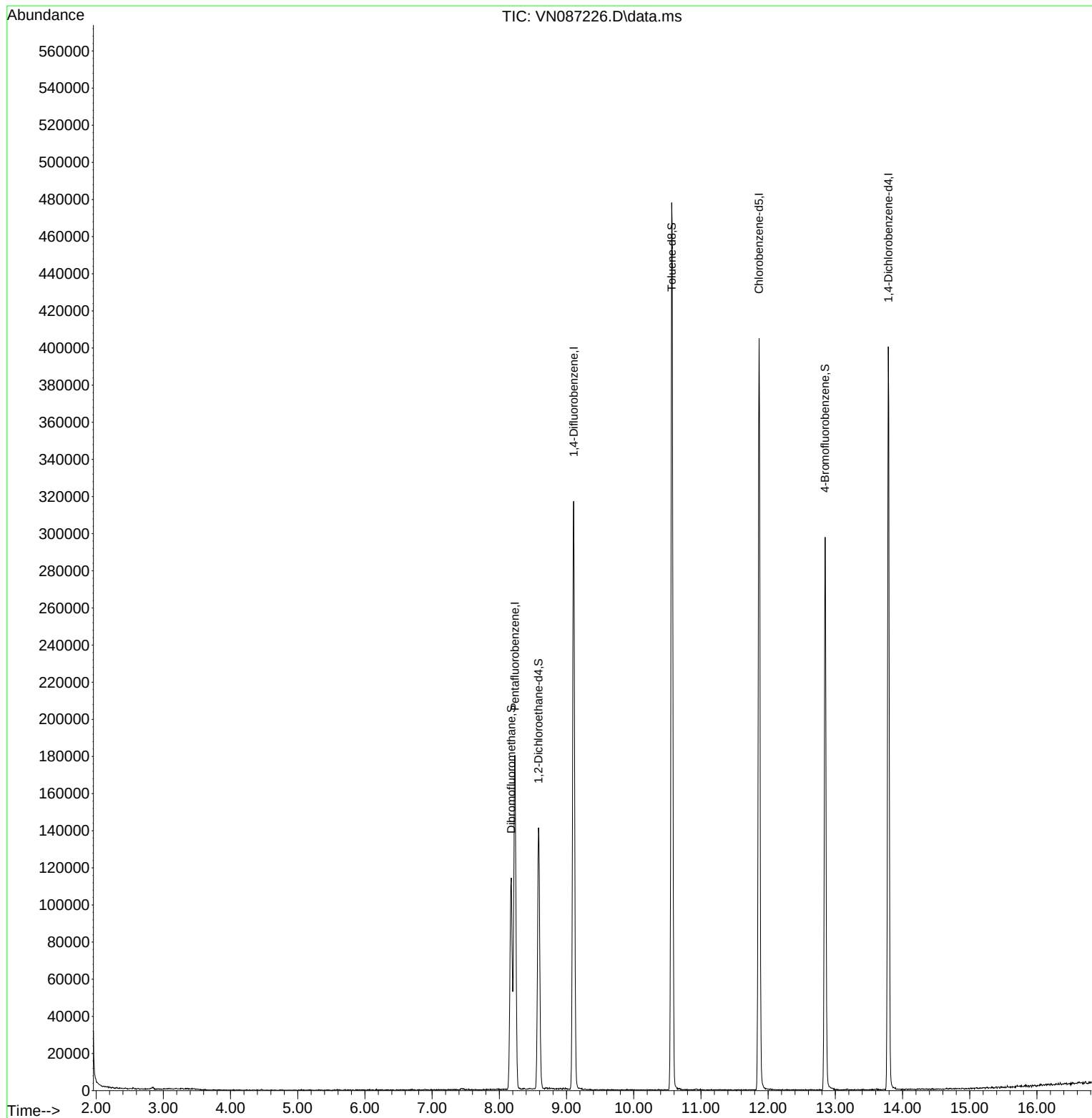
Target Compounds	Qvalue

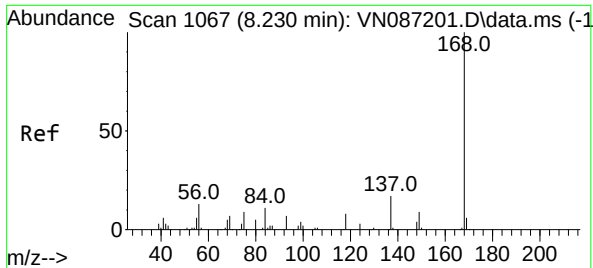
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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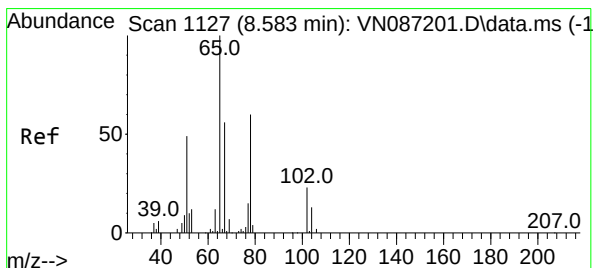
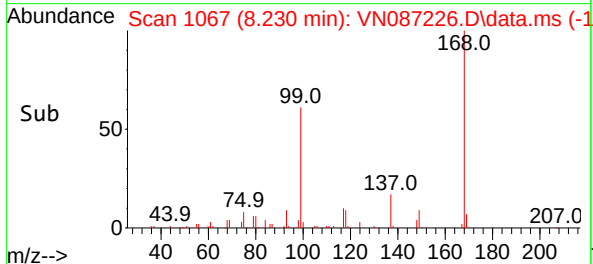
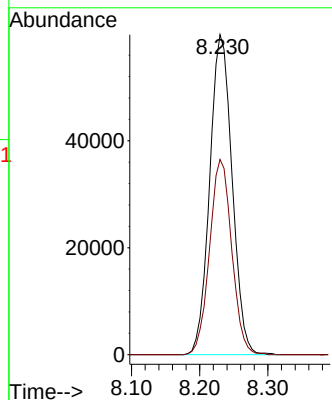
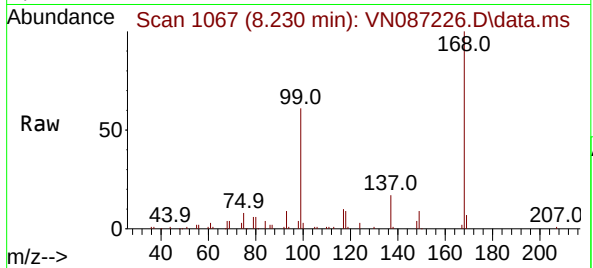




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

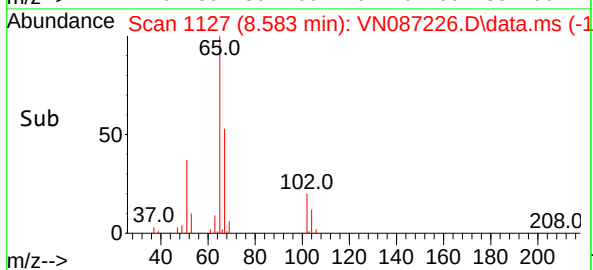
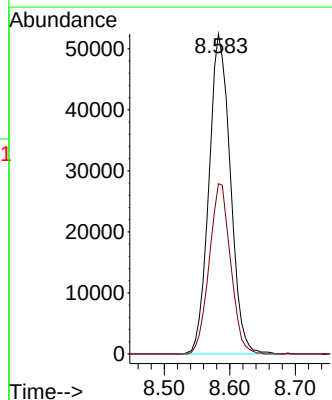
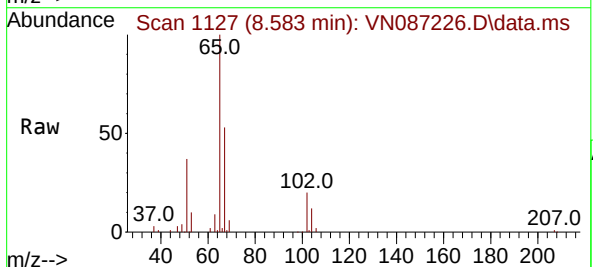
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

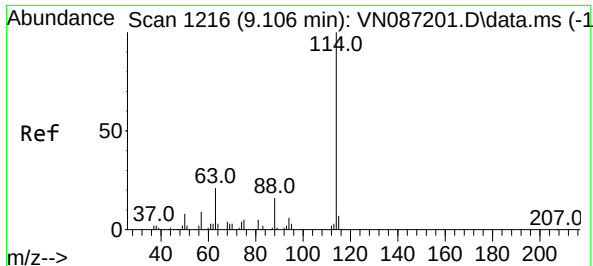
Tgt Ion:168 Resp: 136871
Ion Ratio Lower Upper
168 100
99 61.0 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 60.436 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

Tgt Ion: 65 Resp: 119040
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.0

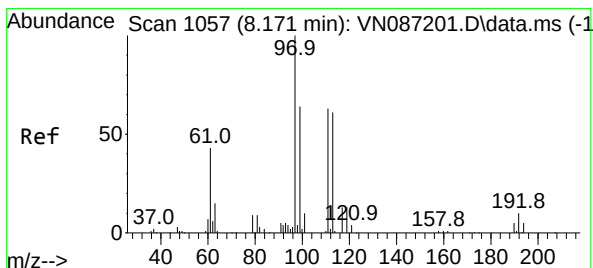
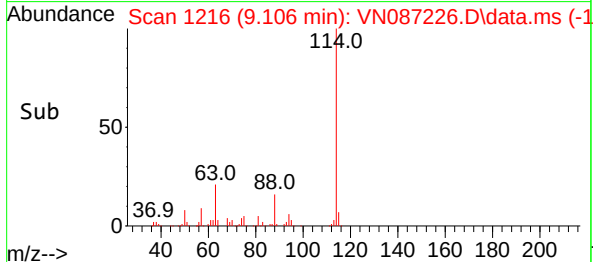
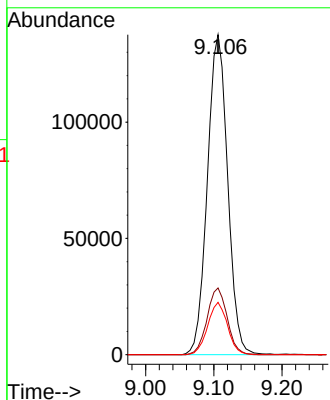
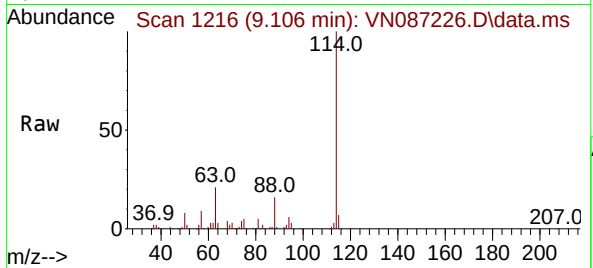




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

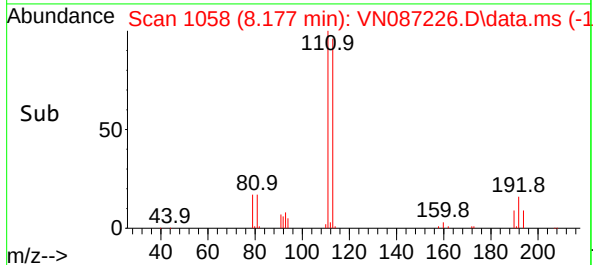
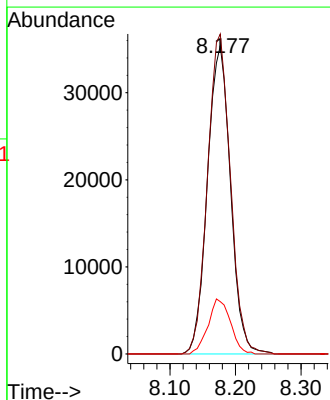
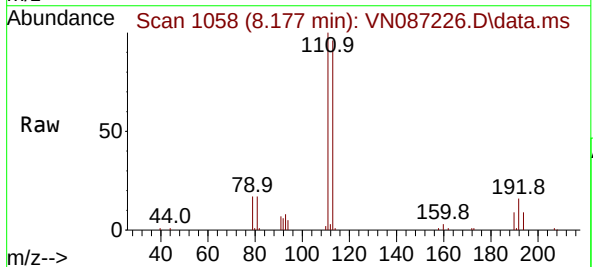
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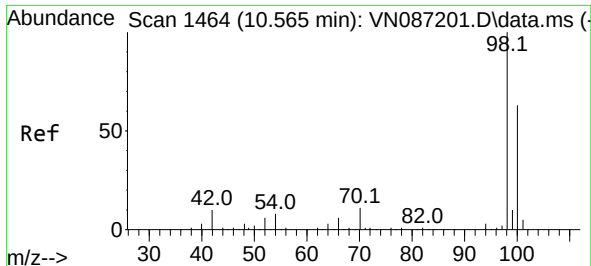
Tgt Ion:	114	Resp:	285243
Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.0
88	16.4	0.0	32.0



#35
Dibromofluoromethane
Concen: 46.901 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

Tgt Ion:	113	Resp:	86492
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	124.0
192	17.3	13.5	20.3

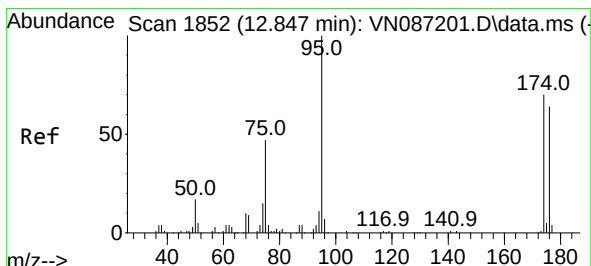
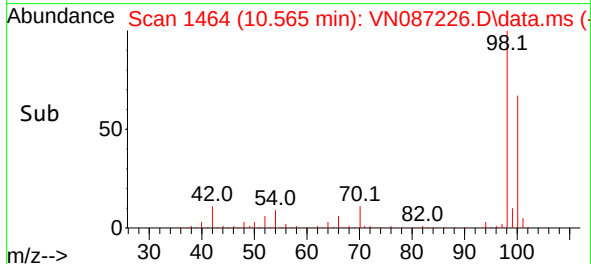
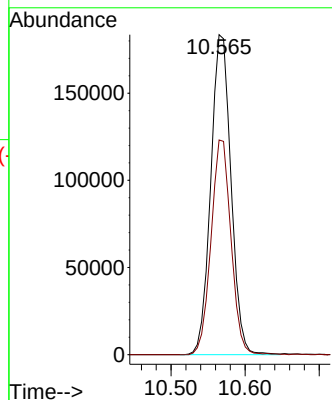
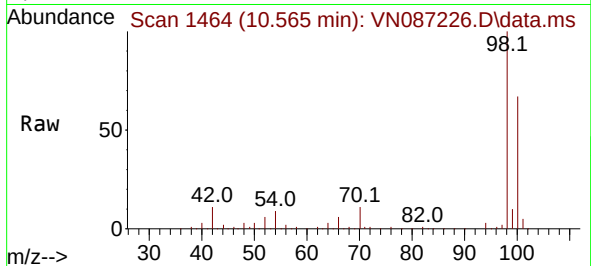




#50
Toluene-d8
Concen: 45.611 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

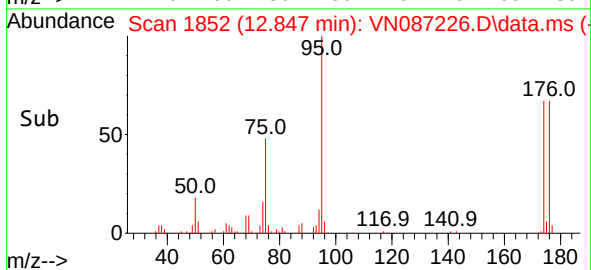
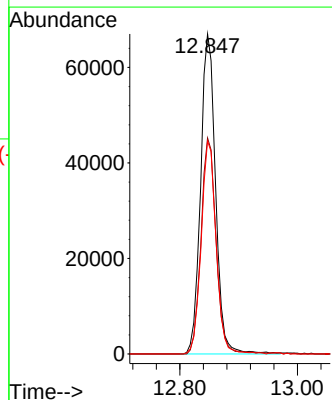
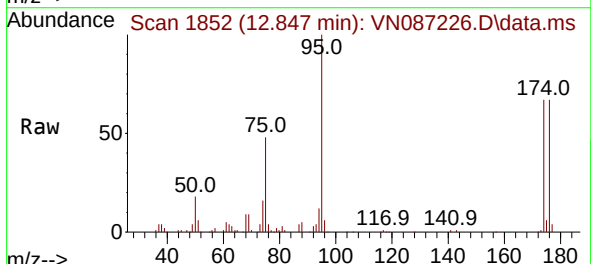
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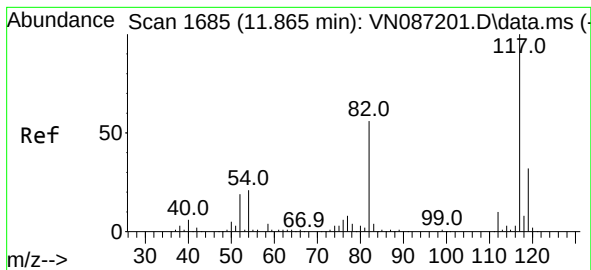
Tgt Ion: 98 Resp: 347878
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 44.768 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

Tgt Ion: 95 Resp: 118481
Ion Ratio Lower Upper
95 100
174 68.1 0.0 142.2
176 66.3 0.0 134.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087226.D

Acq: 27 Jun 2025 16:38

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

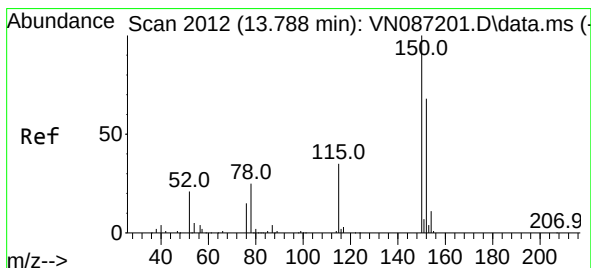
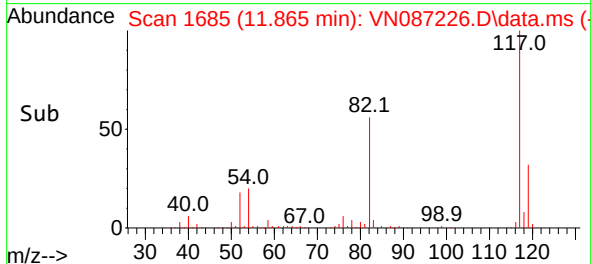
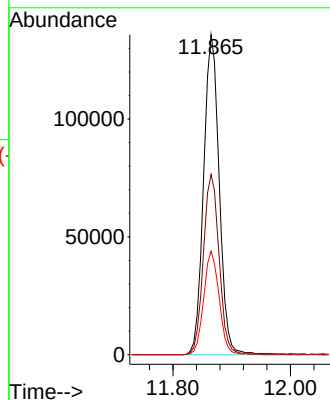
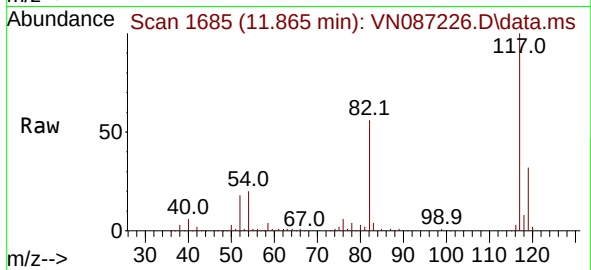
Tgt Ion:117 Resp: 250172

Ion Ratio Lower Upper

117 100

82 56.4 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: VN087226.D

Acq: 27 Jun 2025 16:38

Tgt Ion:152 Resp: 113401

Ion Ratio Lower Upper

152 100

115 61.2 30.6 91.8

150 157.2 0.0 347.8

