

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071725\
 Data File : VN087345.D
 Acq On : 17 Jul 2025 15:26
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Jul 18 01:25:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	295575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	565182	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	498045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	246274	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	233270	46.512	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.020%
35) Dibromofluoromethane	8.153	113	182288	46.757	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.520%
50) Toluene-d8	10.547	98	695212	49.991	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.980%
62) 4-Bromofluorobenzene	12.829	95	261829	50.960	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.920%

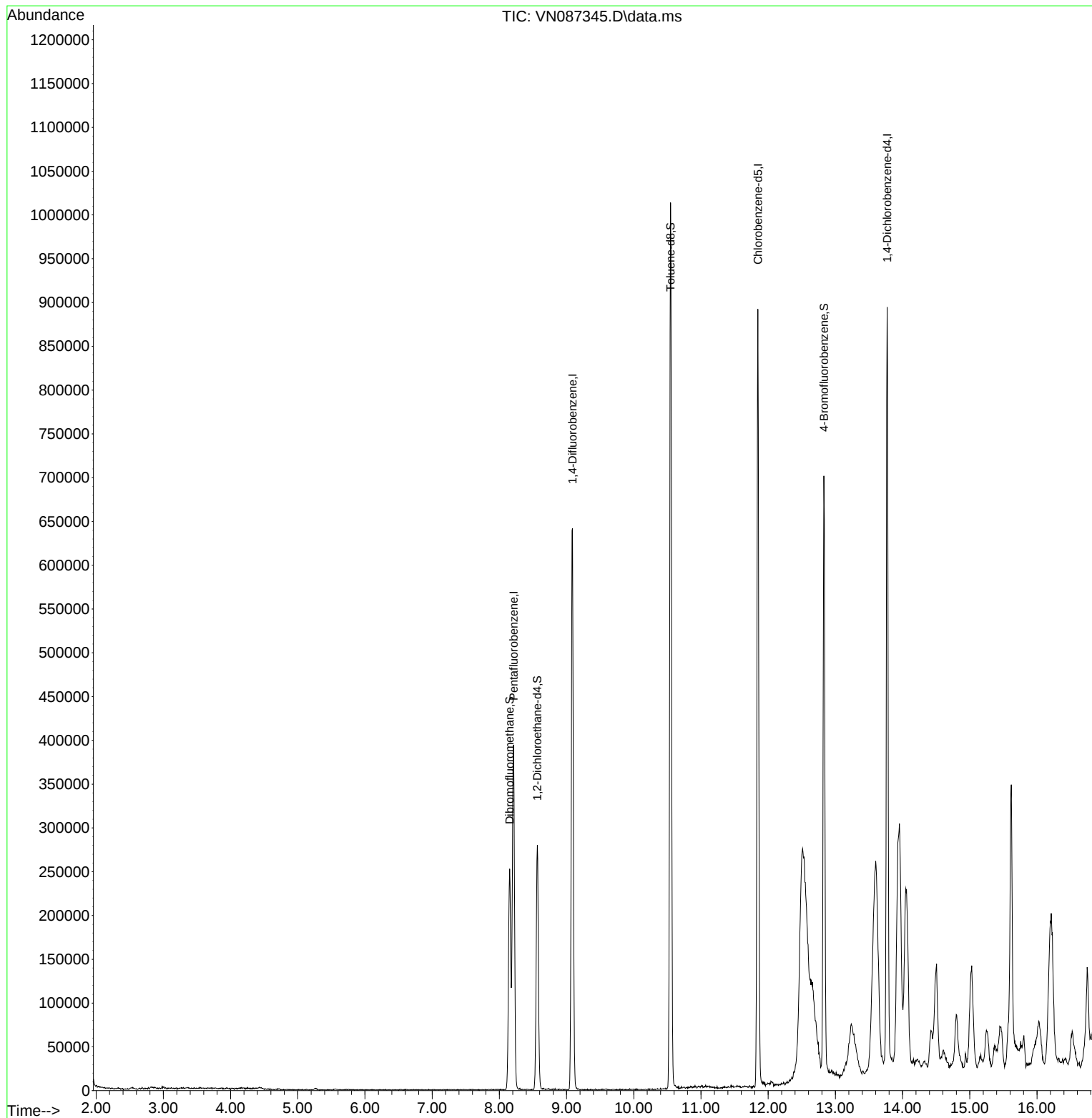
Target Compounds	Qvalue

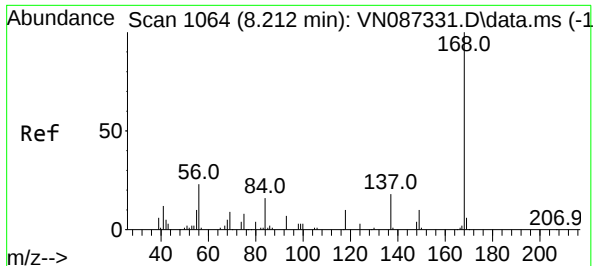
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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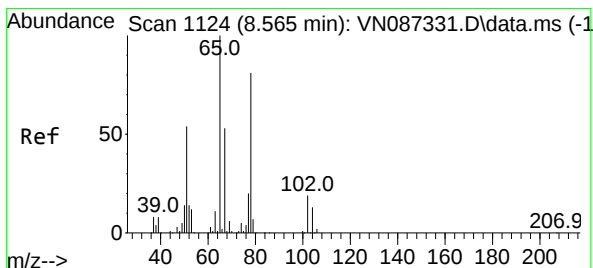
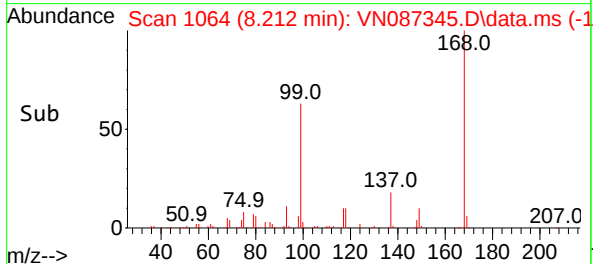
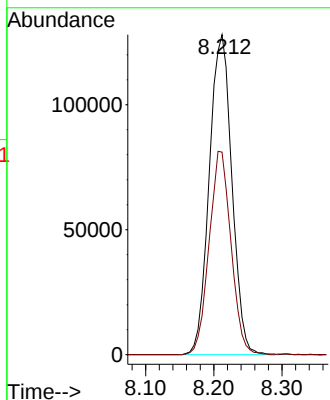
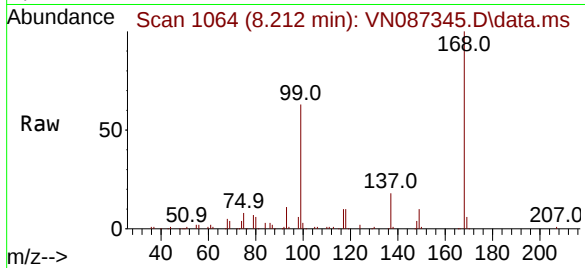




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087345.D
Acq: 17 Jul 2025 15:26

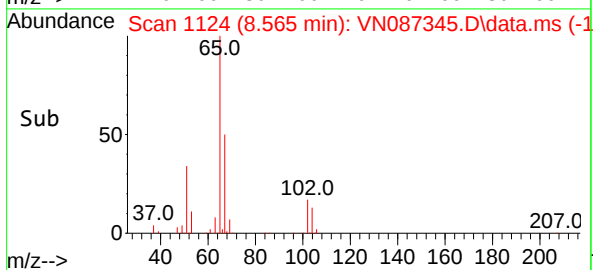
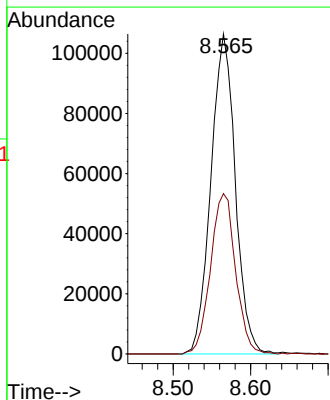
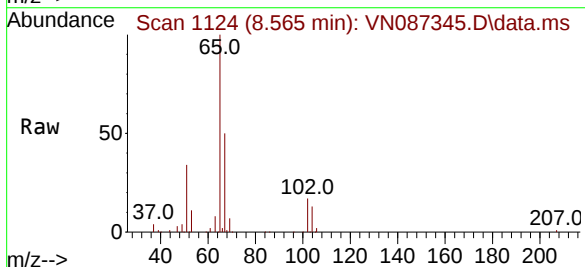
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

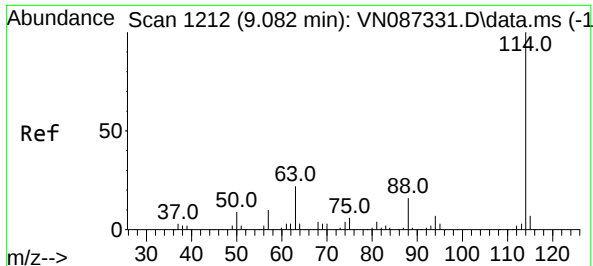
Tgt Ion:168 Resp: 295575
Ion Ratio Lower Upper
168 100
99 63.3 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 46.512 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087345.D
Acq: 17 Jul 2025 15:26

Tgt Ion: 65 Resp: 233270
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0

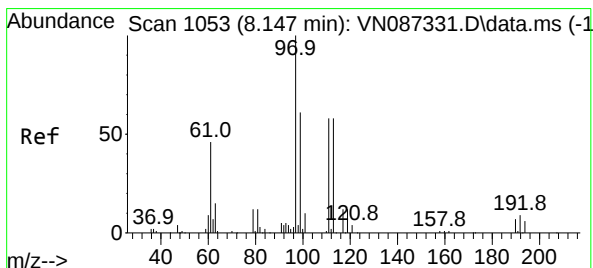
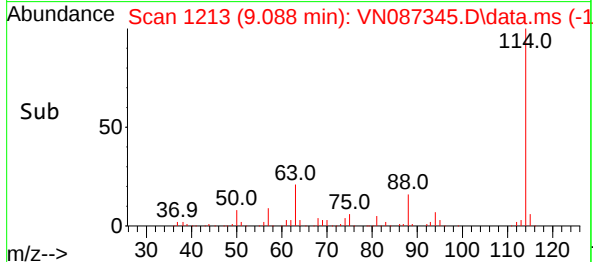
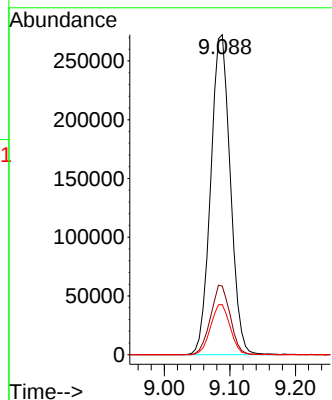
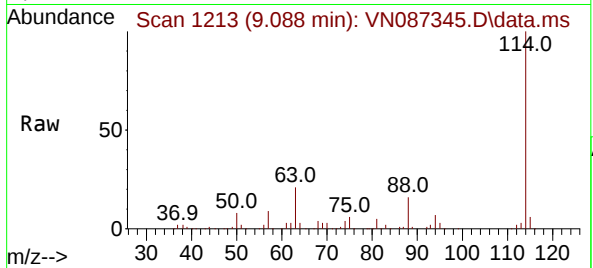




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087345.D
Acq: 17 Jul 2025 15:26

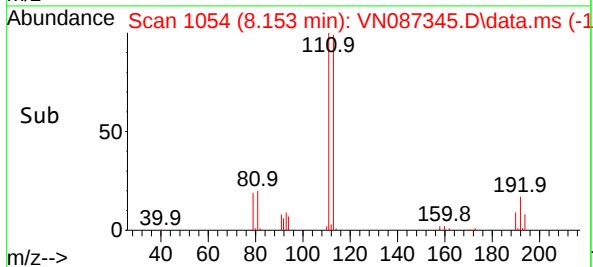
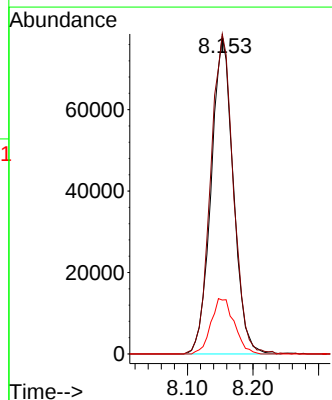
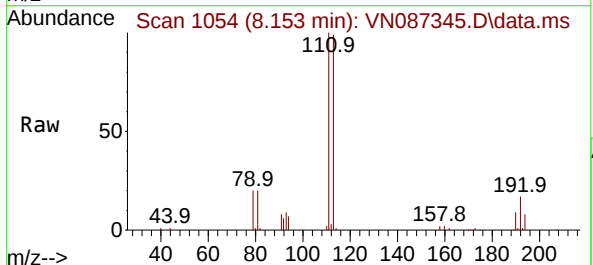
Instrument :
MSVOA_N
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VIBLK

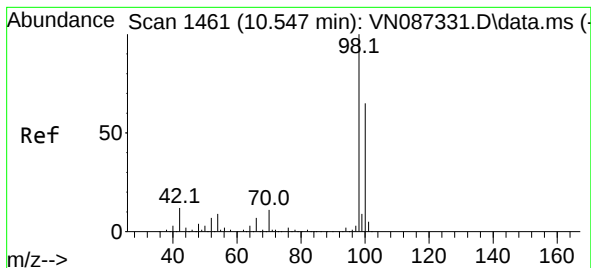
Tgt Ion:114 Resp: 565182
Ion Ratio Lower Upper
114 100
63 21.4 0.0 44.6
88 15.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 46.757 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087345.D
Acq: 17 Jul 2025 15:26

Tgt Ion:113 Resp: 182288
Ion Ratio Lower Upper
113 100
111 103.6 82.5 123.7
192 18.4 13.7 20.5

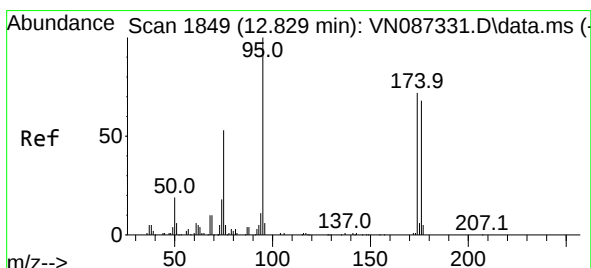
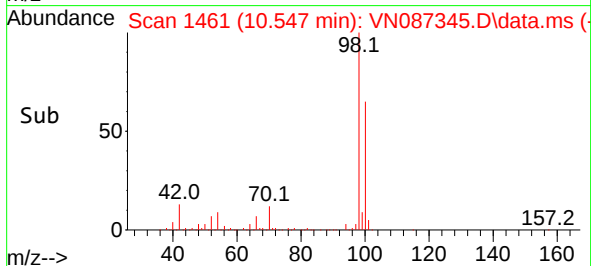
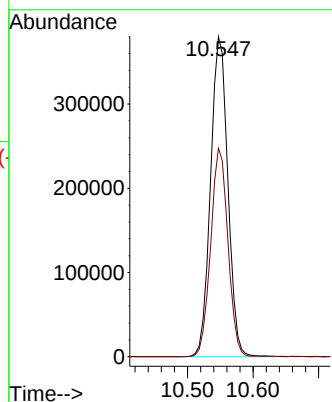
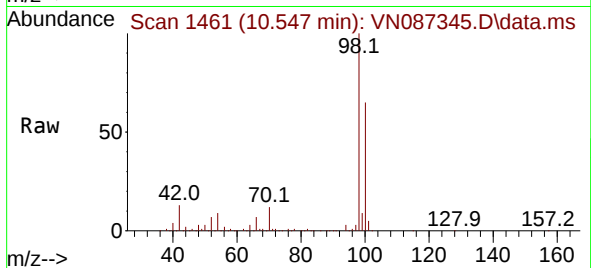




#50
Toluene-d8
Concen: 49.991 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087345.D
Acq: 17 Jul 2025 15:26

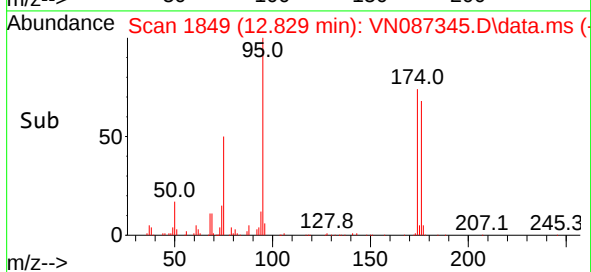
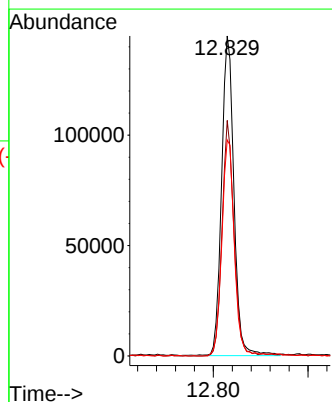
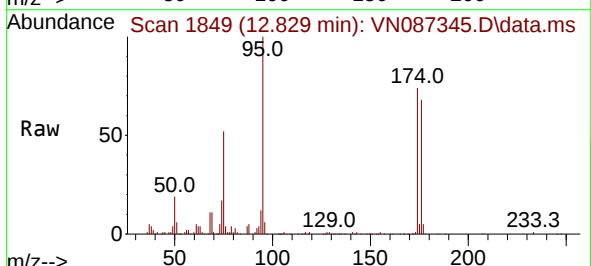
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

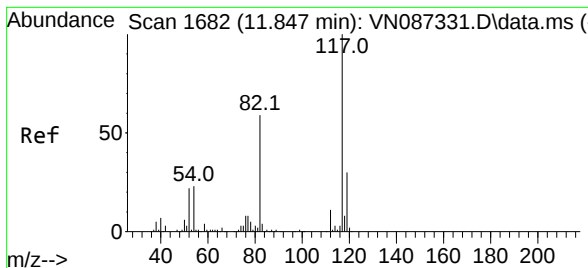
Tgt Ion: 98 Resp: 695212
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 50.960 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087345.D
Acq: 17 Jul 2025 15:26

Tgt Ion: 95 Resp: 261829
Ion Ratio Lower Upper
95 100
174 70.9 0.0 149.4
176 68.3 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087345.D

Acq: 17 Jul 2025 15:26

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

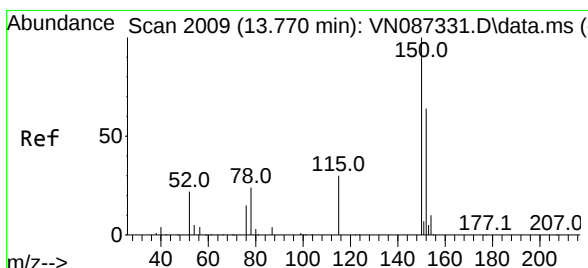
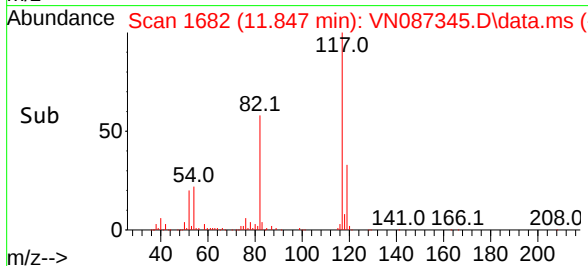
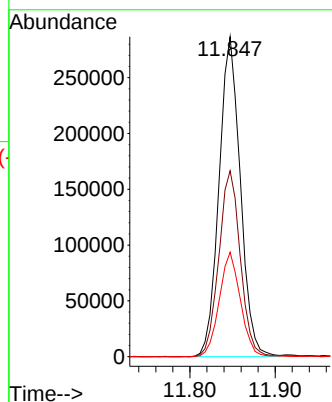
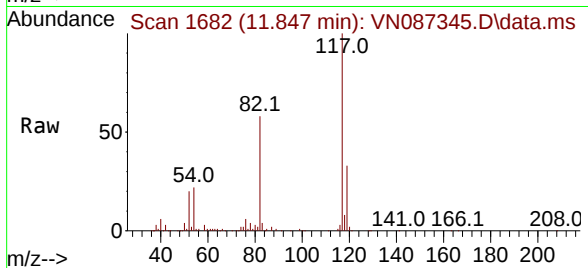
Tgt Ion:117 Resp: 498045

Ion Ratio Lower Upper

117 100

82 58.1 47.4 71.2

119 32.7 23.8 35.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN087345.D

Acq: 17 Jul 2025 15:26

Tgt Ion:152 Resp: 246274

Ion Ratio Lower Upper

152 100

115 61.7 31.1 93.5

150 154.5 0.0 349.0

