

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087634.D
 Acq On : 22 Aug 2025 12:37
 Operator : JC\MD
 Sample : Q2920-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB

Quant Time: Aug 25 01:18:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	176921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	399655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	368259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	172310	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	189573	52.297	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.600%
35) Dibromofluoromethane	8.147	113	138413	47.968	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.940%
50) Toluene-d8	10.547	98	514063	47.599	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.200%
62) 4-Bromofluorobenzene	12.829	95	177442	46.199	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.400%

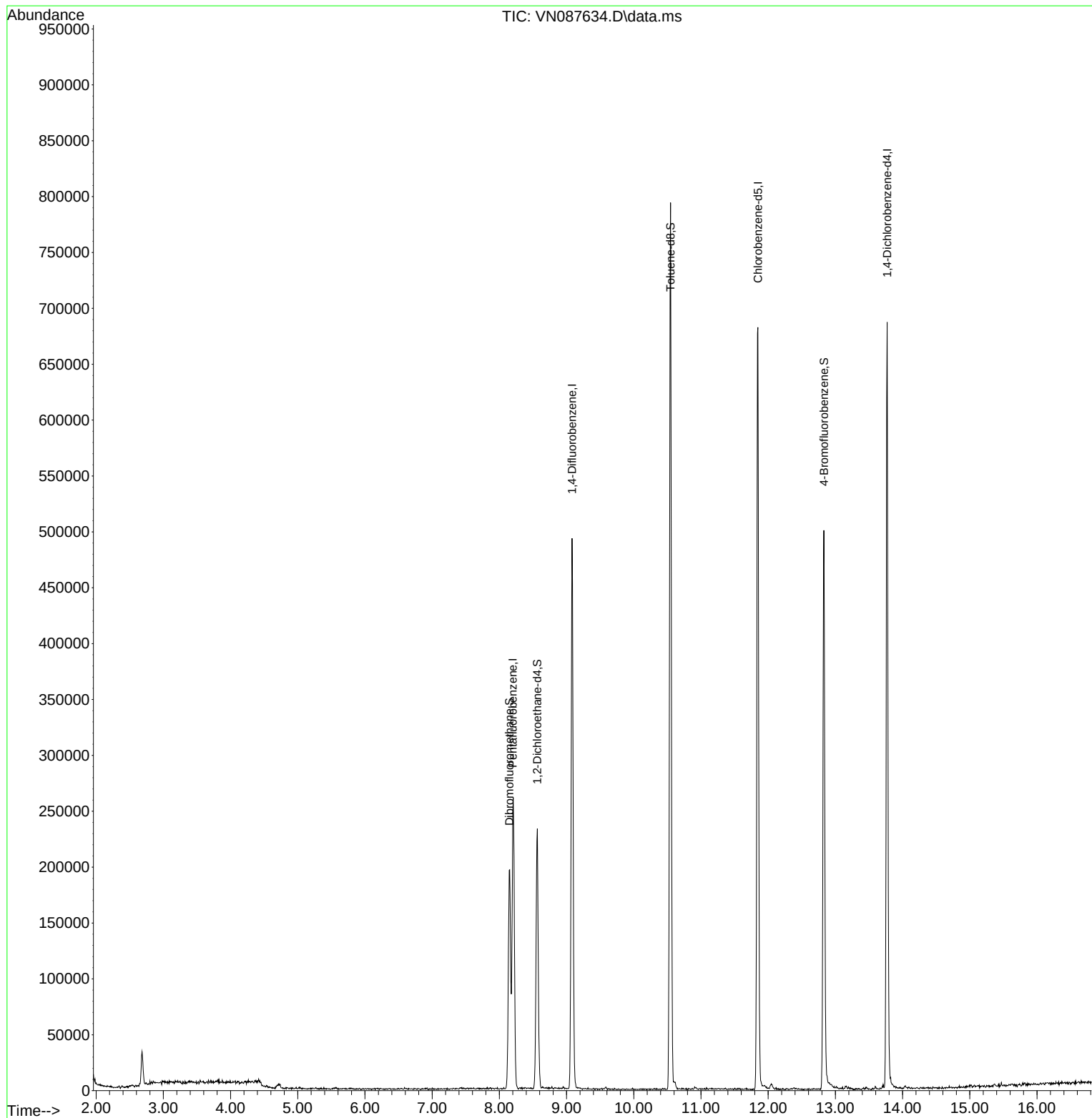
Target Compounds	Qvalue

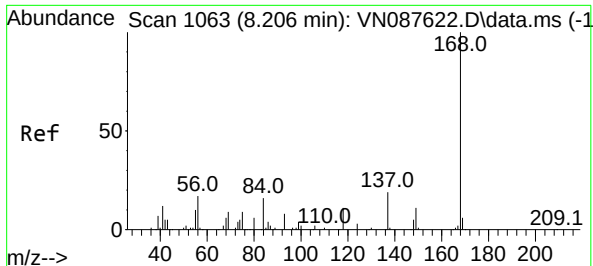
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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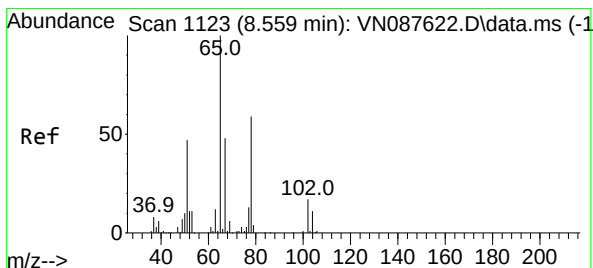
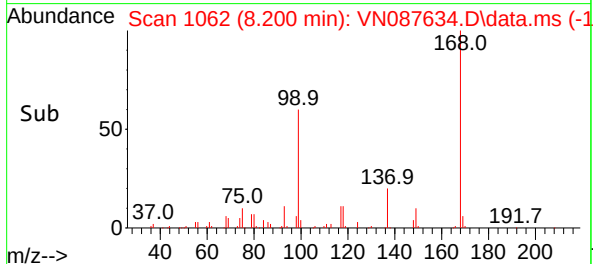
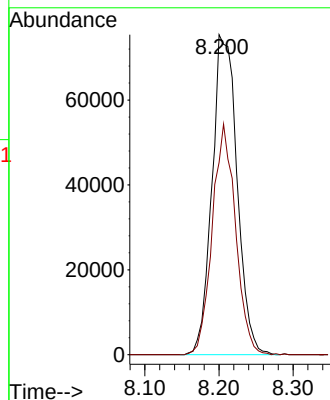
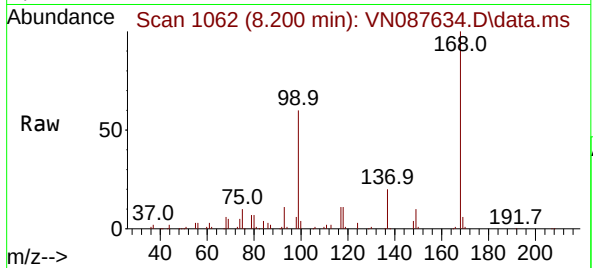




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087634.D
Acq: 22 Aug 2025 12:37

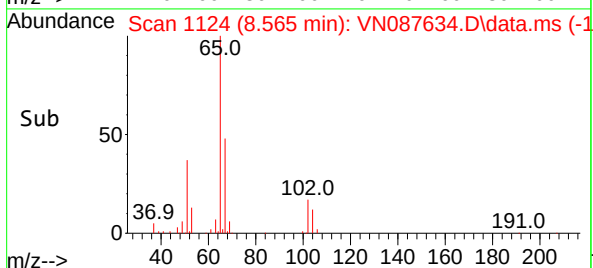
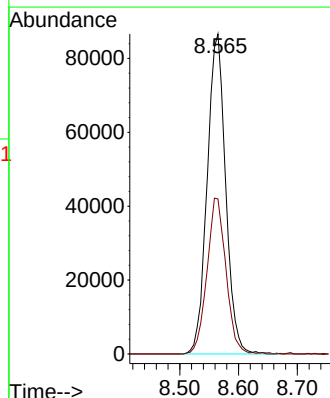
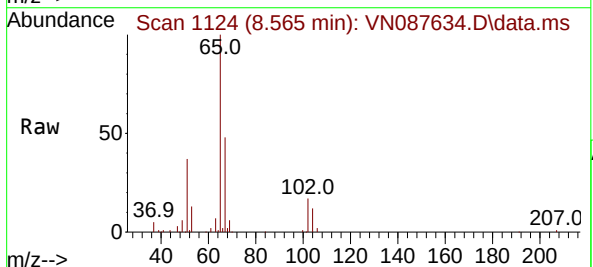
Instrument :
MSVOA_N
ClientSampleId :
FB

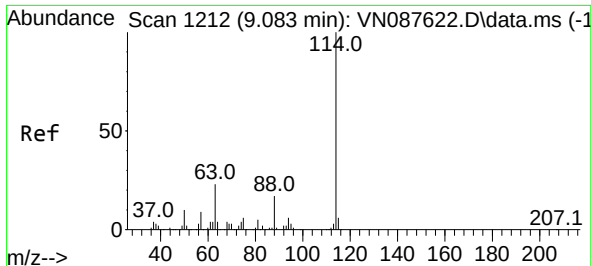
Tgt Ion:168 Resp: 176921
Ion Ratio Lower Upper
168 100
99 60.0 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 52.297 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087634.D
Acq: 22 Aug 2025 12:37

Tgt Ion: 65 Resp: 189573
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.0

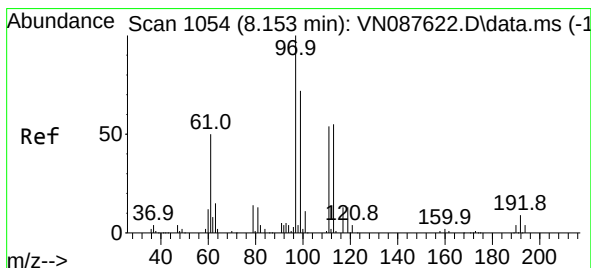
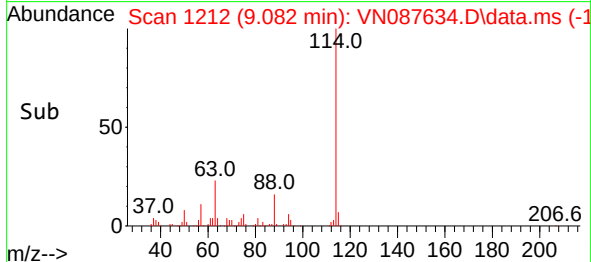
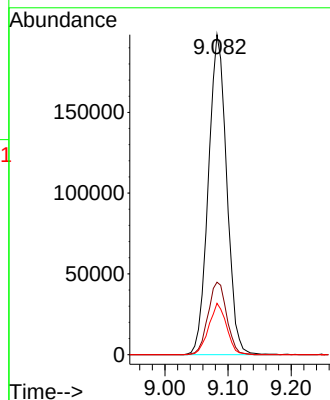
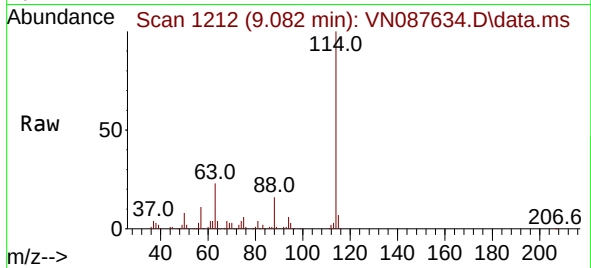




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087634.D
Acq: 22 Aug 2025 12:37

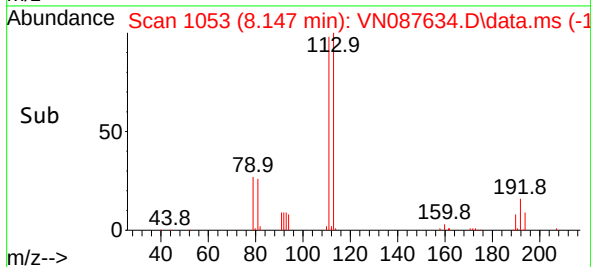
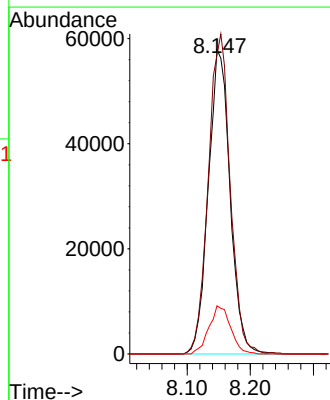
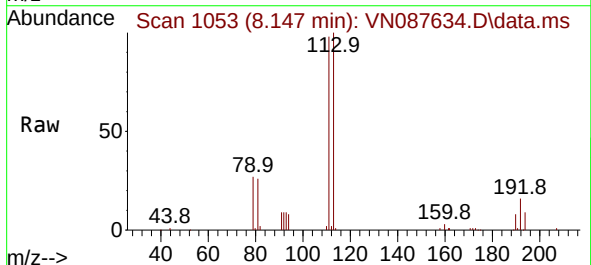
Instrument :
MSVOA_N
ClientSampleId :
FB

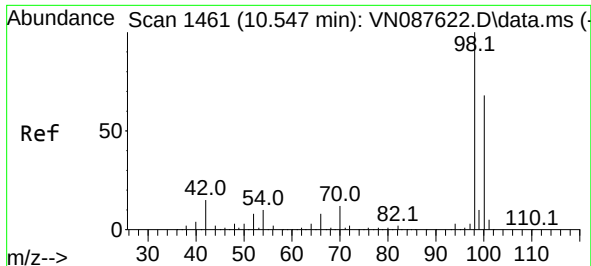
Tgt Ion:114 Resp: 399655
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.2
88 16.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.968 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087634.D
Acq: 22 Aug 2025 12:37

Tgt Ion:113 Resp: 138413
Ion Ratio Lower Upper
113 100
111 106.0 82.8 124.2
192 15.7 12.8 19.2

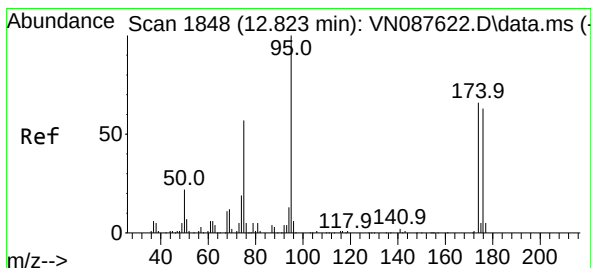
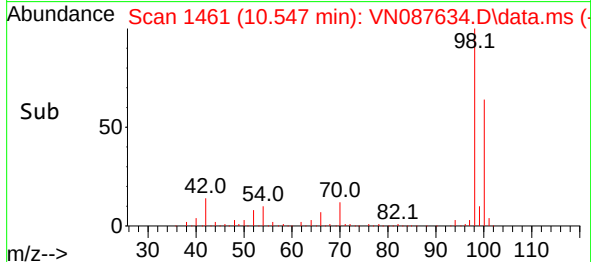
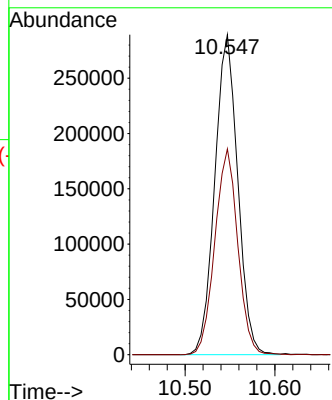
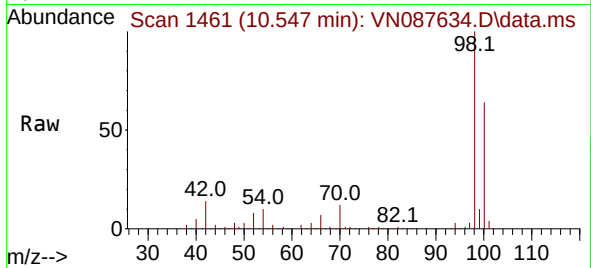




#50
Toluene-d8
Concen: 47.599 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087634.D
Acq: 22 Aug 2025 12:37

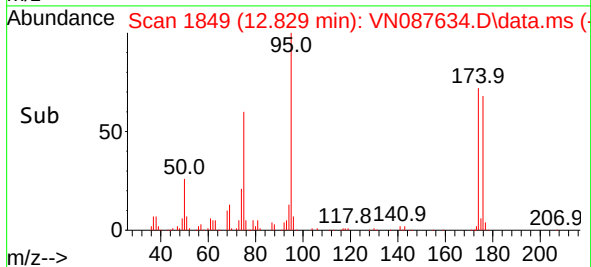
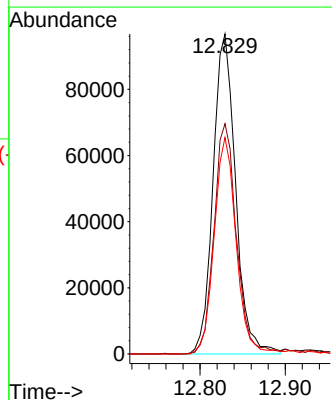
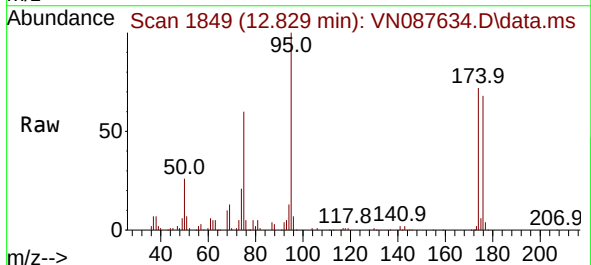
Instrument :
MSVOA_N
ClientSampleId :
FB

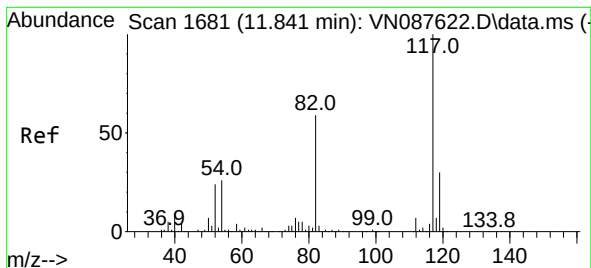
Tgt Ion: 98 Resp: 514063
Ion Ratio Lower Upper
98 100
100 64.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 46.199 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087634.D
Acq: 22 Aug 2025 12:37

Tgt Ion: 95 Resp: 177442
Ion Ratio Lower Upper
95 100
174 71.9 0.0 138.4
176 66.1 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087634.D

Acq: 22 Aug 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

FB

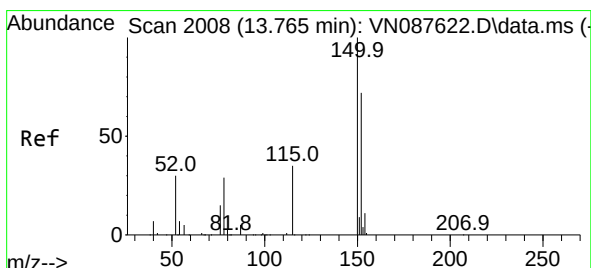
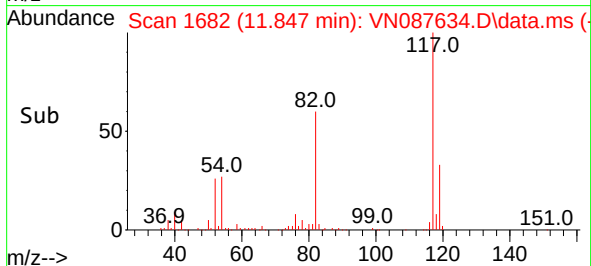
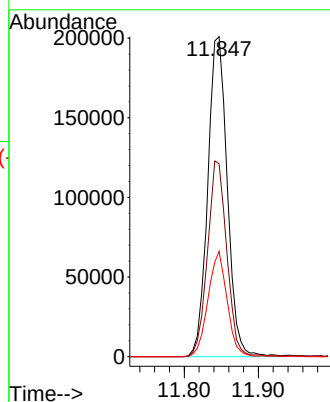
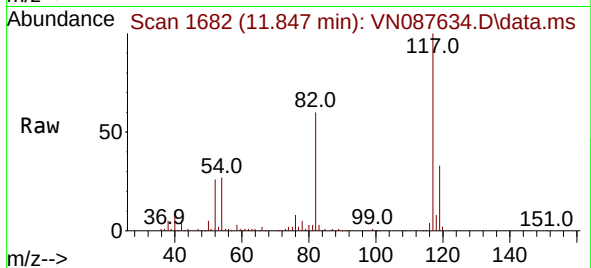
Tgt Ion:117 Resp: 368259

Ion Ratio Lower Upper

117 100

82 60.3 47.4 71.2

119 32.9 24.3 36.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN087634.D

Acq: 22 Aug 2025 12:37

Tgt Ion:152 Resp: 172310

Ion Ratio Lower Upper

152 100

115 64.7 32.3 96.8

150 156.1 0.0 351.0

