

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087854.D
 Acq On : 16 Sep 2025 16:50
 Operator : JC\MD
 Sample : Q3109-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1D

Quant Time: Sep 17 01:23:58 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)

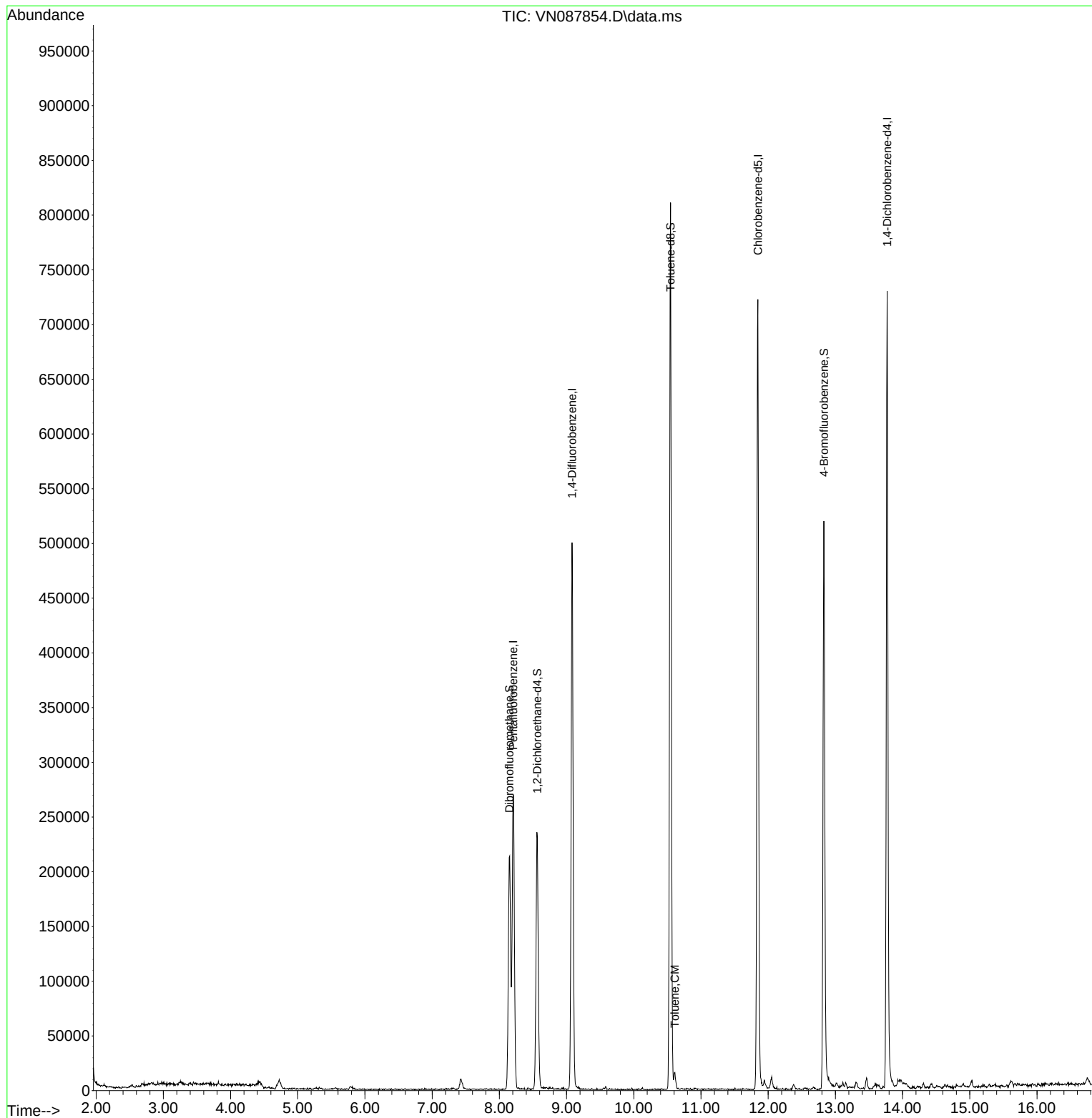
Internal Standards						
1) Pentafluorobenzene	8.206	168	186859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	417903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	408304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	185626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	191050	49.902	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.800%
35) Dibromofluoromethane	8.147	113	156166	51.758	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.520%
50) Toluene-d8	10.547	98	531551	47.069	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.140%
62) 4-Bromofluorobenzene	12.829	95	190599	47.458	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.920%
Target Compounds						
52) Toluene	10.612	92	6221	0.707	ug/l	Qvalue 91

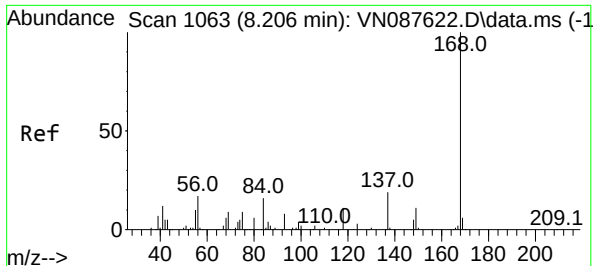
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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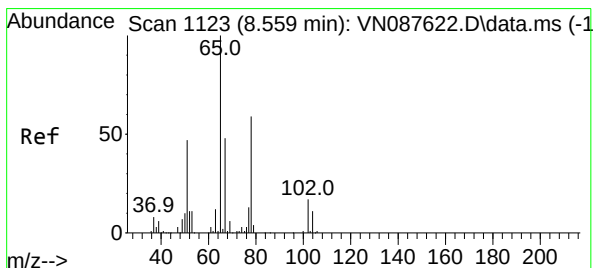
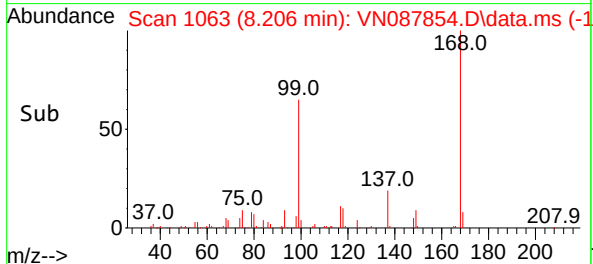
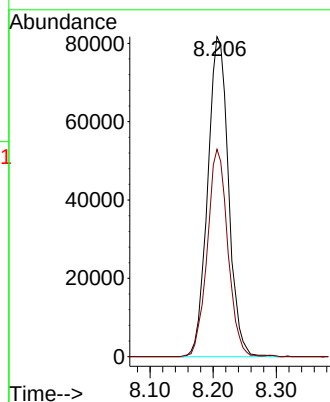
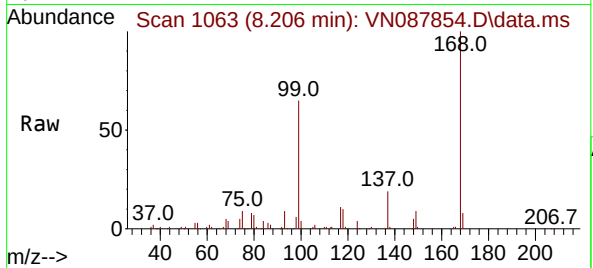




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

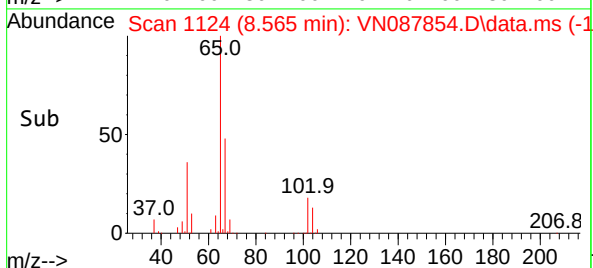
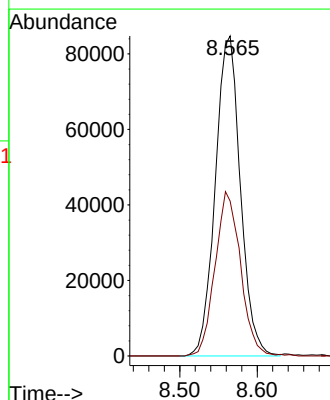
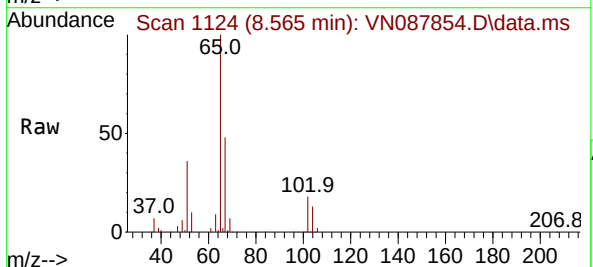
Instrument :
MSVOA_N
ClientSampleId :
MW1D

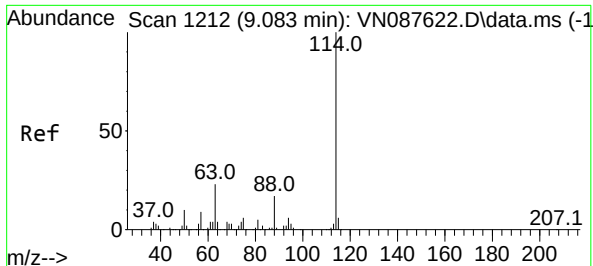
Tgt Ion:168 Resp: 186859
Ion Ratio Lower Upper
168 100
99 64.8 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 49.902 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

Tgt Ion: 65 Resp: 191050
Ion Ratio Lower Upper
65 100
67 52.2 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: VN087854.D

Acq: 16 Sep 2025 16:50

Instrument :

MSVOA_N

ClientSampleId :

MW1D

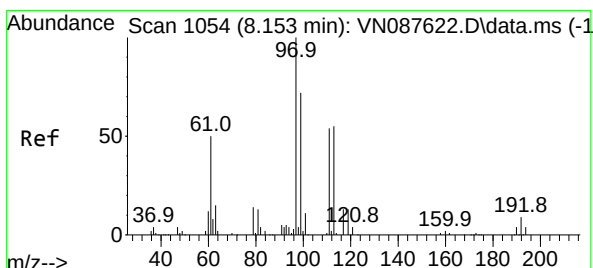
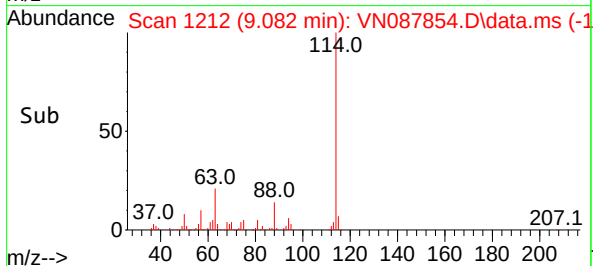
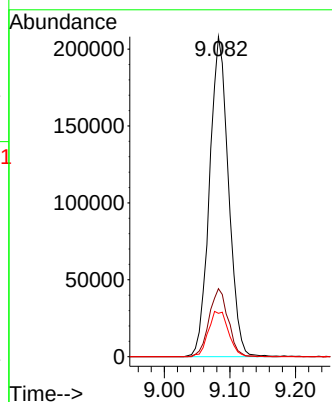
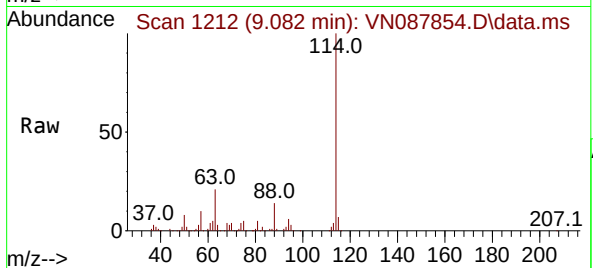
Tgt Ion:114 Resp: 417903

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.2

88 13.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.758 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087854.D

Acq: 16 Sep 2025 16:50

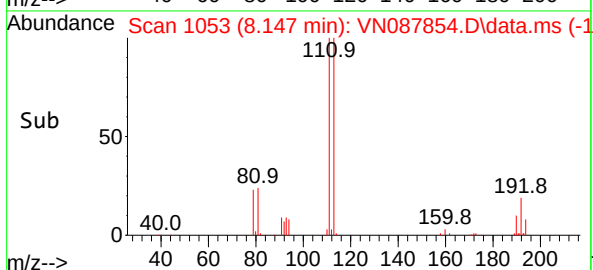
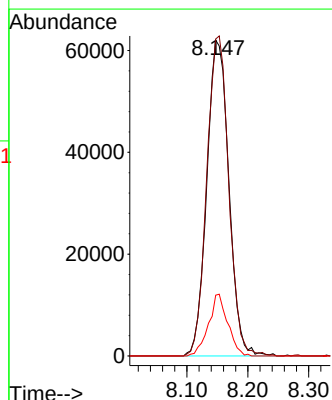
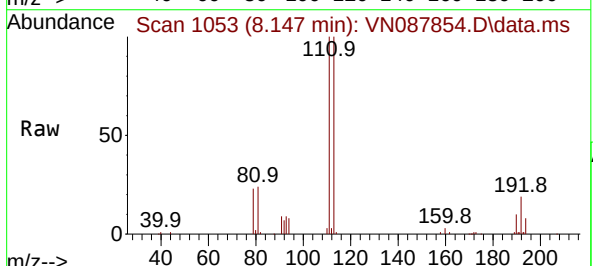
Tgt Ion:113 Resp: 156166

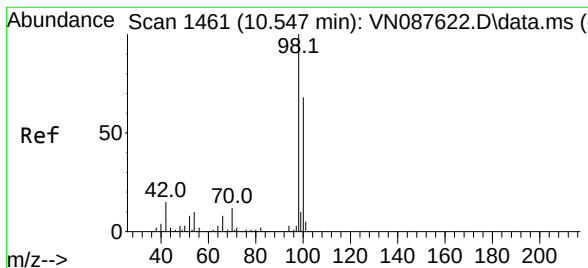
Ion Ratio Lower Upper

113 100

111 100.6 82.8 124.2

192 17.1 12.8 19.2

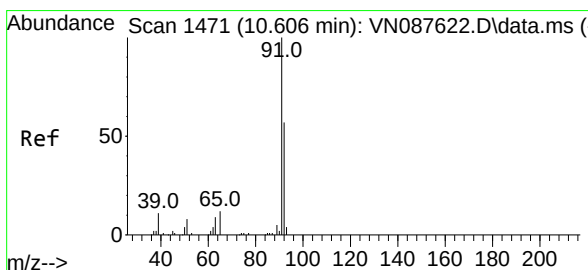
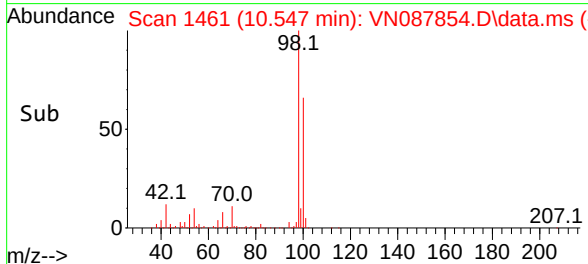
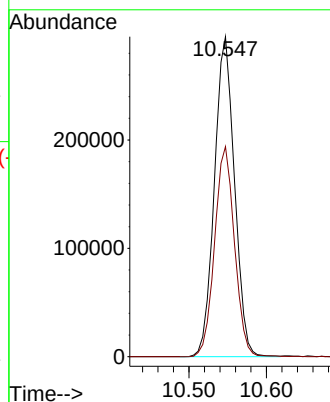
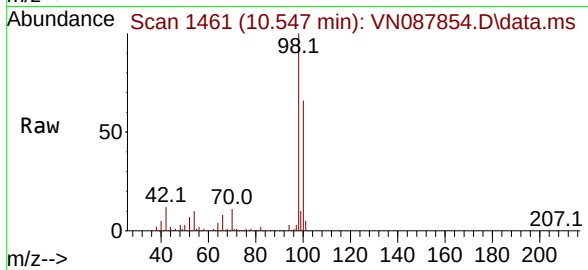




#50
Toluene-d8
Concen: 47.069 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

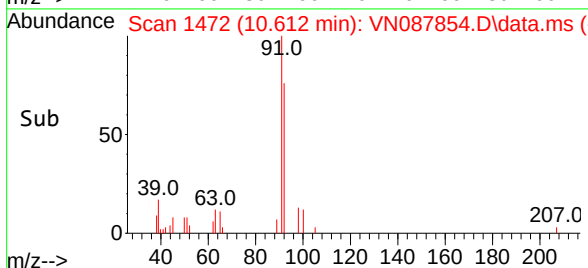
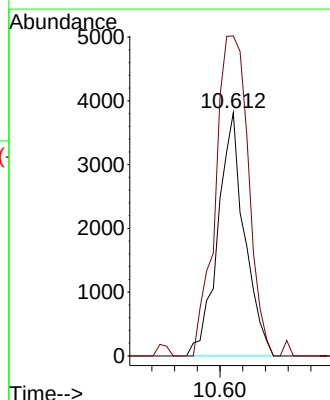
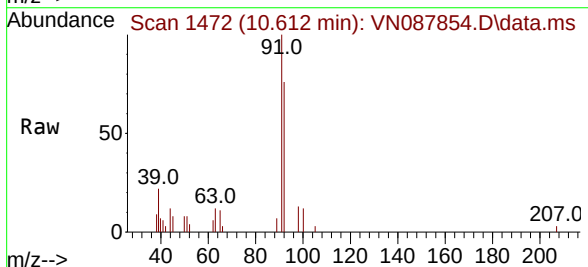
Instrument :
MSVOA_N
ClientSampleId :
MW1D

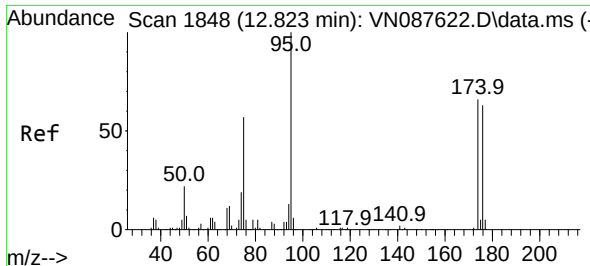
Tgt Ion: 98 Resp: 531551
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2



#52
Toluene
Concen: 0.707 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

Tgt Ion: 92 Resp: 6221
Ion Ratio Lower Upper
92 100
91 162.6 140.4 210.6

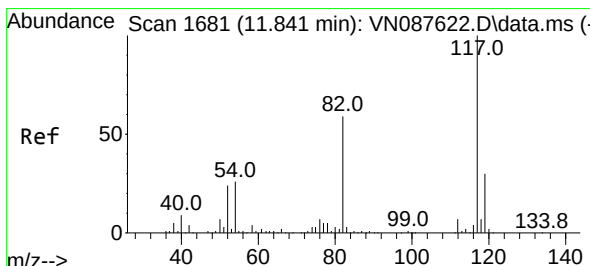
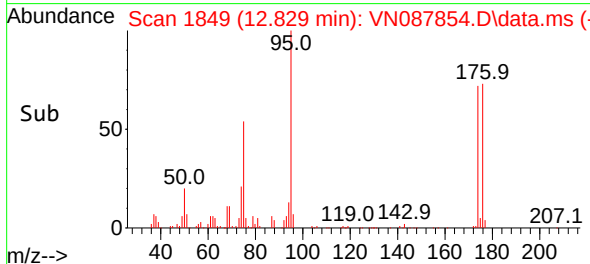
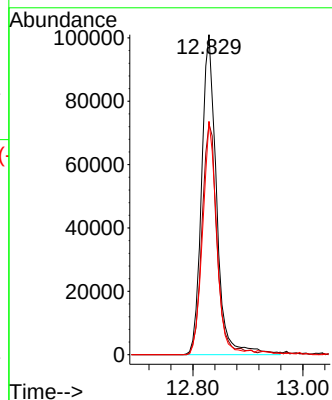
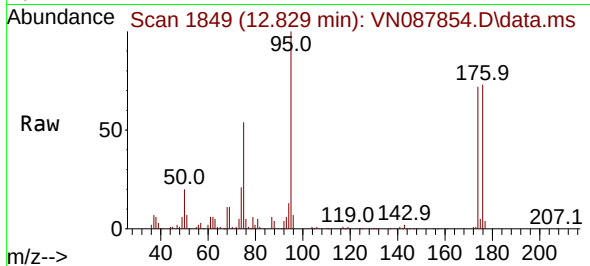




#62
4-Bromofluorobenzene
Concen: 47.458 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

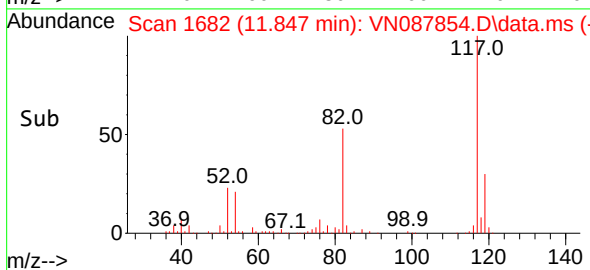
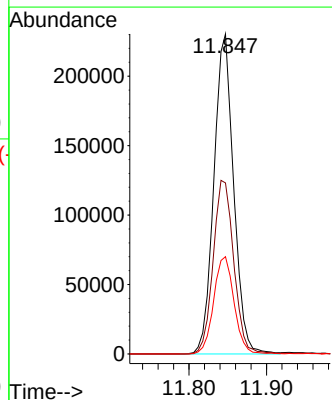
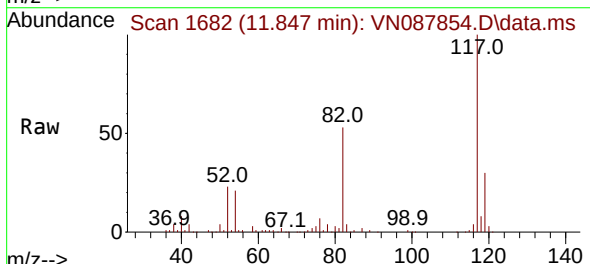
Instrument :
MSVOA_N
ClientSampleId :
MW1D

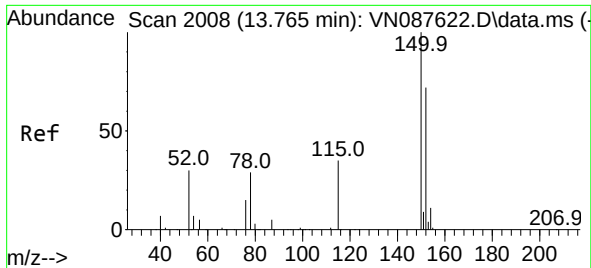
Tgt Ion: 95 Resp: 190599
Ion Ratio Lower Upper
95 100
174 72.6 0.0 138.4
176 68.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

Tgt Ion: 117 Resp: 408304
Ion Ratio Lower Upper
117 100
82 53.5 47.4 71.2
119 30.4 24.3 36.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN087854.D

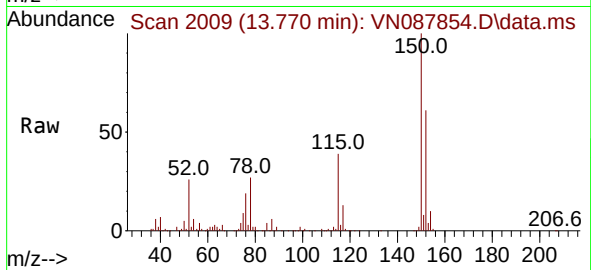
Acq: 16 Sep 2025 16:50

Instrument :

MSVOA_N

ClientSampleId :

MW1D



Tgt Ion:152 Resp: 185626

Ion Ratio Lower Upper

152 100

115 64.5 32.3 96.8

150 162.3 0.0 351.0

