

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087633.D
 Acq On : 22 Aug 2025 12:16
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 25 01:18:31 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	182898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	412897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	375082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	168379	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	189419	50.547	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.100%
35) Dibromofluoromethane	8.153	113	141043	47.312	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.620%
50) Toluene-d8	10.547	98	526689	47.204	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.400%
62) 4-Bromofluorobenzene	12.829	95	182263	45.933	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.860%

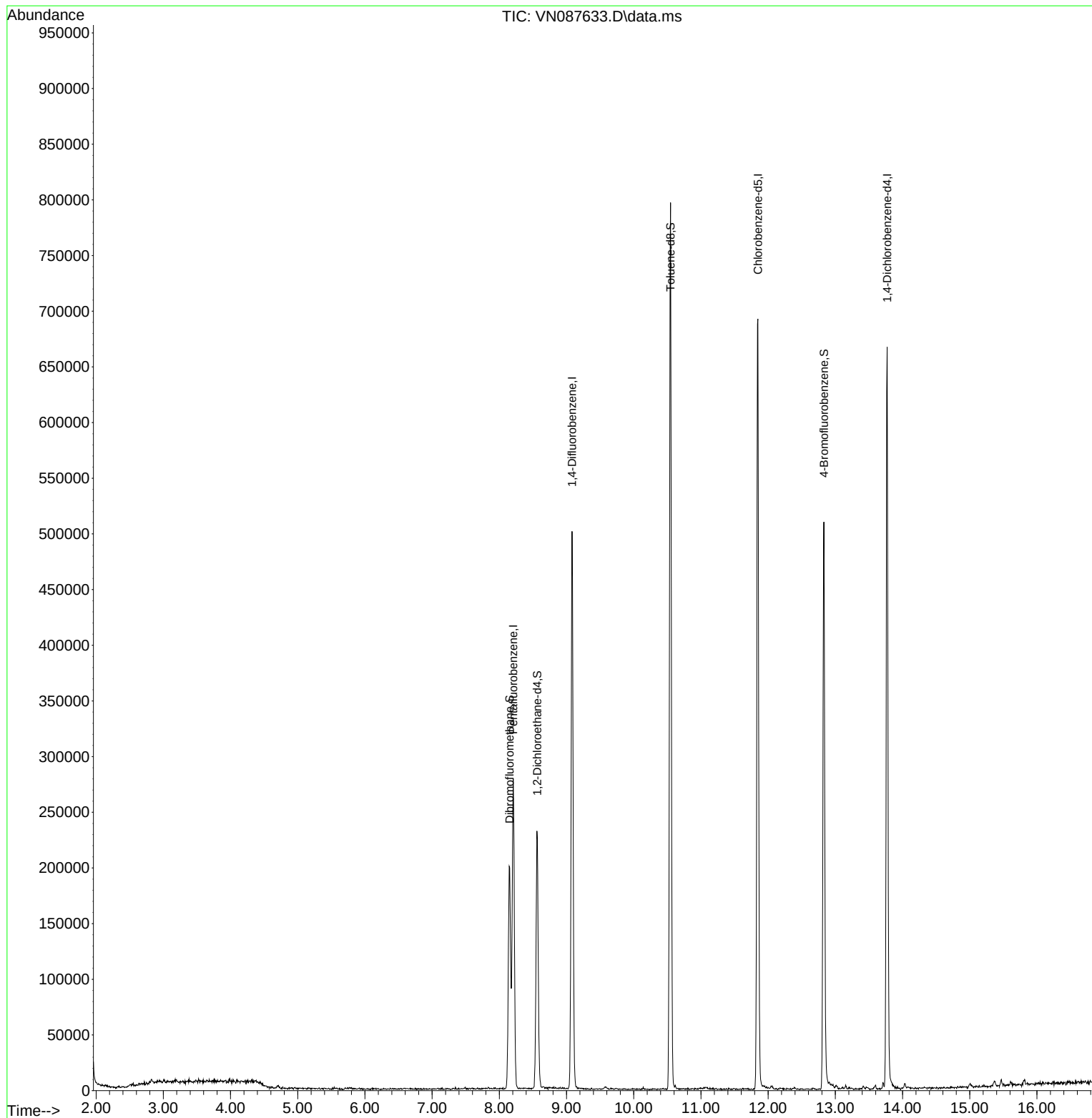
Target Compounds	Qvalue

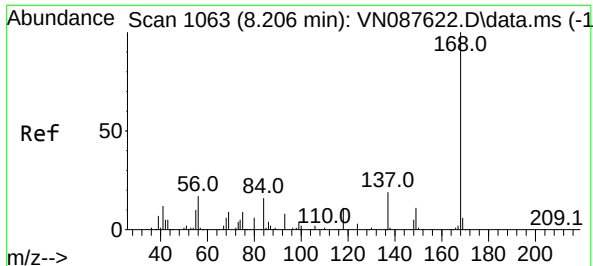
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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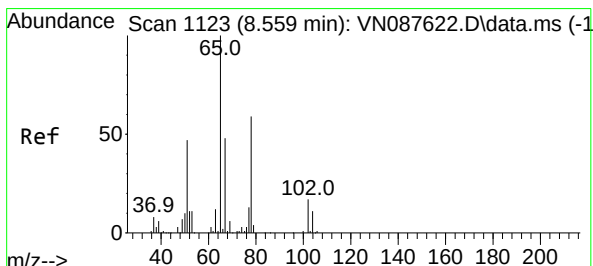
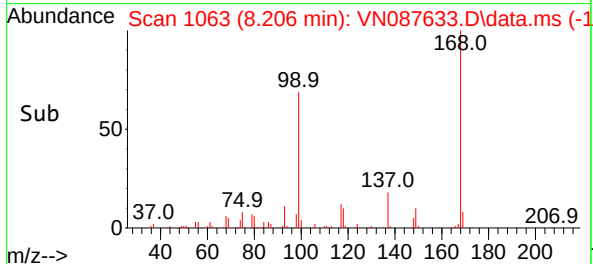
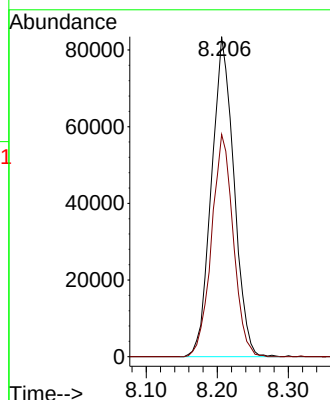
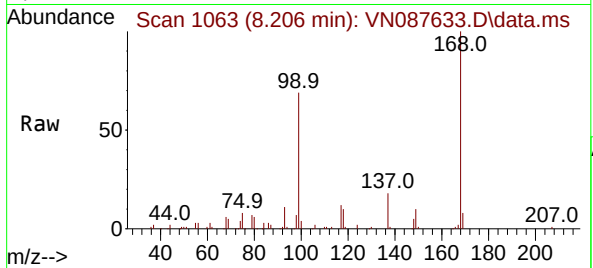




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087633.D
Acq: 22 Aug 2025 12:16

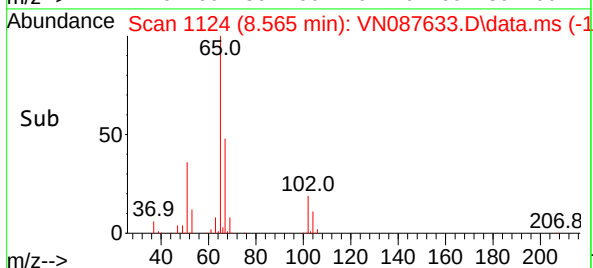
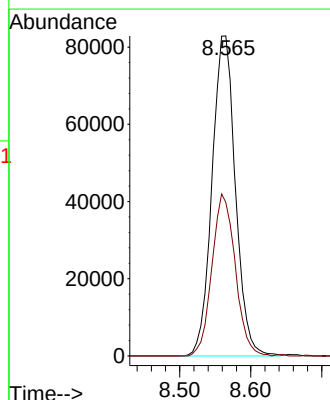
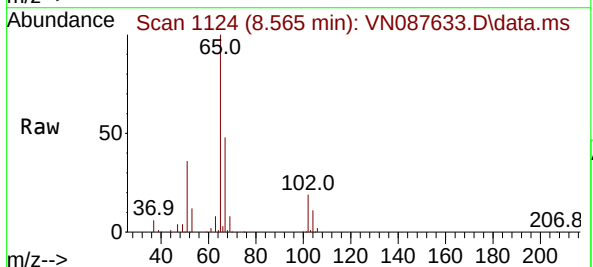
Instrument :
MSVOA_N
ClientSampleId :
IBLK

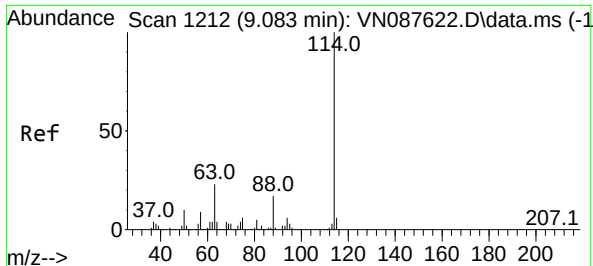
Tgt Ion:168 Resp: 182898
Ion Ratio Lower Upper
168 100
99 69.5 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 50.547 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087633.D
Acq: 22 Aug 2025 12:16

Tgt Ion: 65 Resp: 189419
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087633.D

Acq: 22 Aug 2025 12:16

Instrument :

MSVOA_N

ClientSampleId :

IBLK

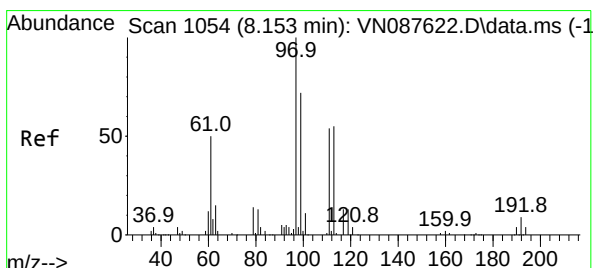
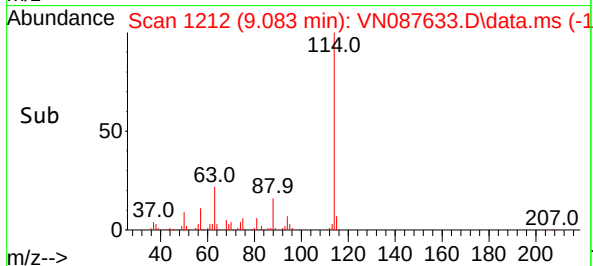
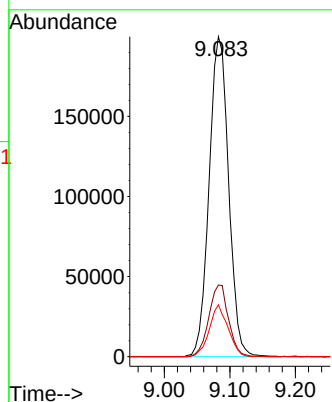
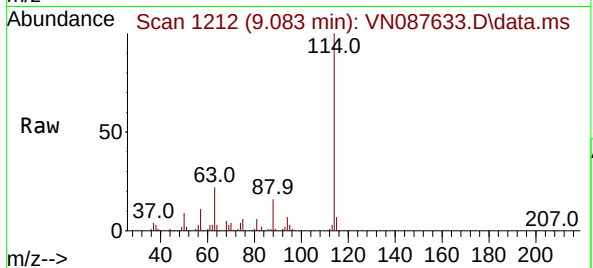
Tgt Ion:114 Resp: 412897

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

88 16.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 47.312 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VN087633.D

Acq: 22 Aug 2025 12:16

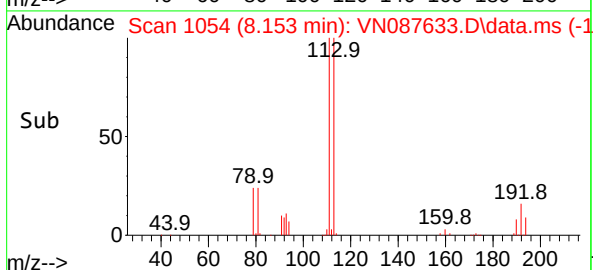
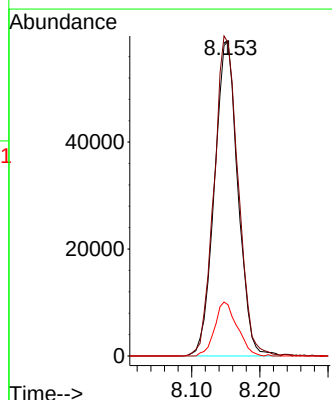
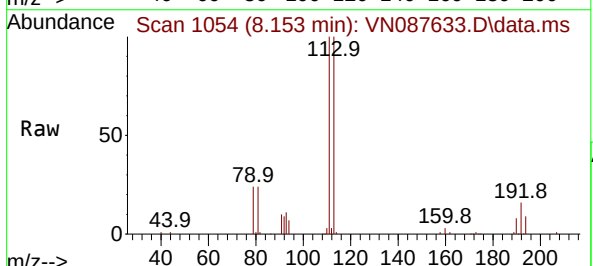
Tgt Ion:113 Resp: 141043

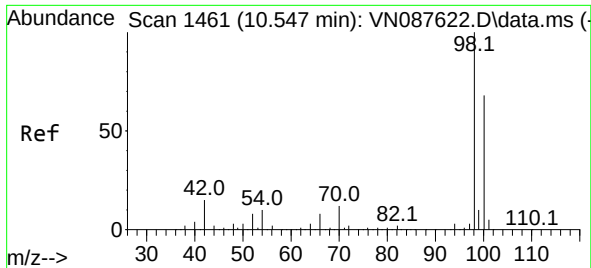
Ion Ratio Lower Upper

113 100

111 104.2 82.8 124.2

192 16.4 12.8 19.2

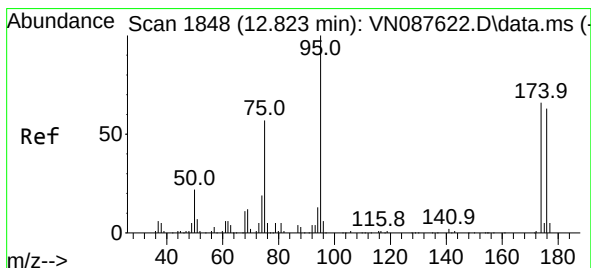
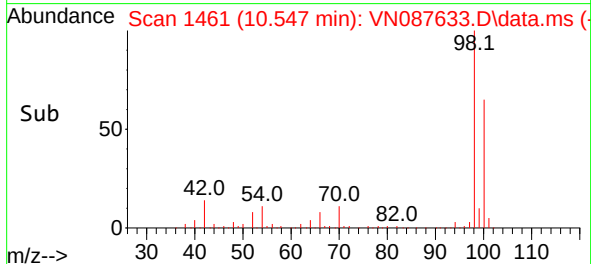
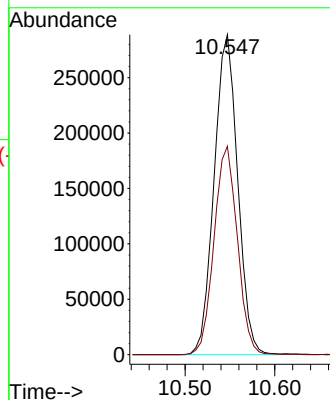
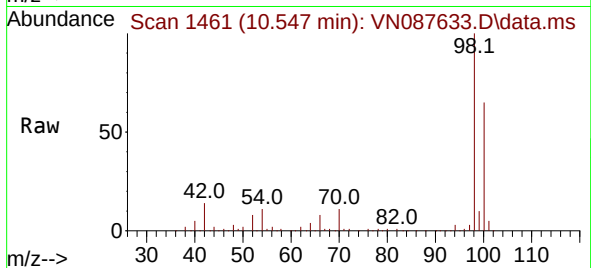




#50
Toluene-d8
Concen: 47.204 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087633.D
Acq: 22 Aug 2025 12:16

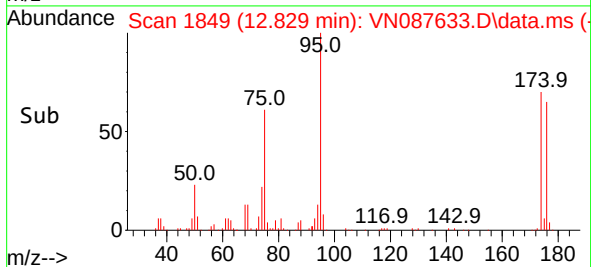
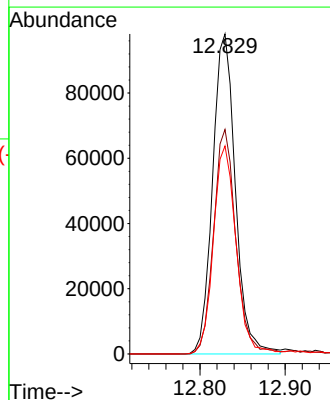
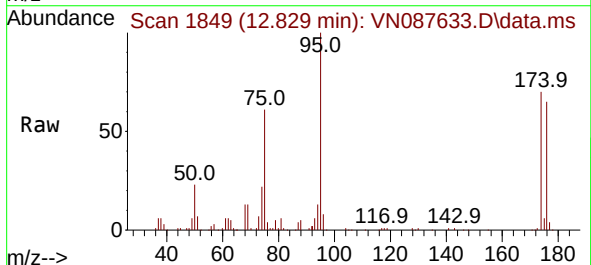
Instrument :
MSVOA_N
ClientSampleId :
IBLK

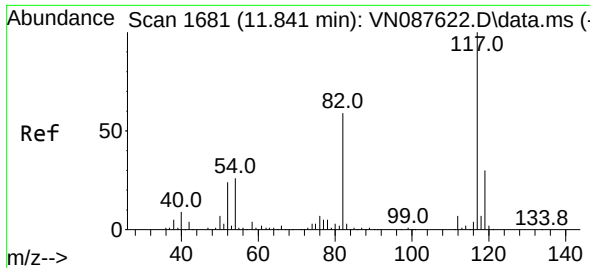
Tgt Ion: 98 Resp: 526689
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.933 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087633.D
Acq: 22 Aug 2025 12:16

Tgt Ion: 95 Resp: 182263
Ion Ratio Lower Upper
95 100
174 68.7 0.0 138.4
176 65.0 0.0 132.6

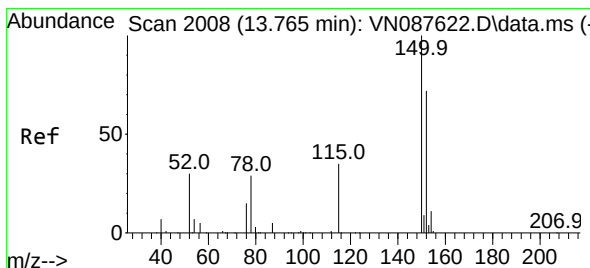
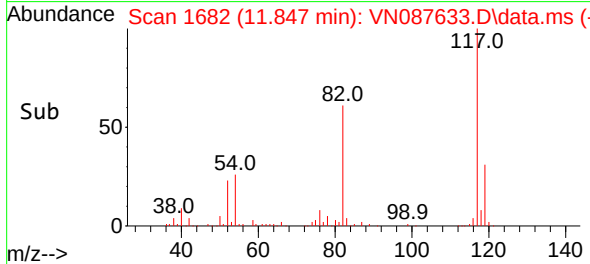
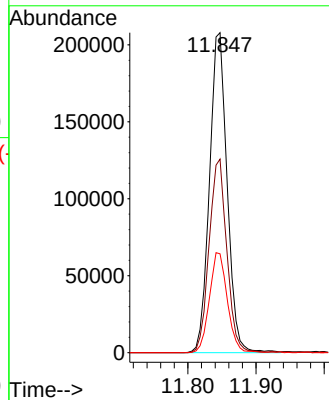
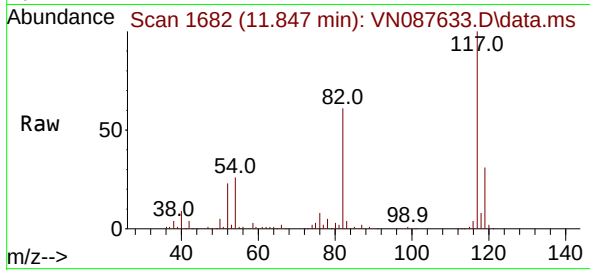




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087633.D
Acq: 22 Aug 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 375082
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.2
119 30.9 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087633.D
Acq: 22 Aug 2025 12:16

Tgt Ion:152 Resp: 168379
Ion Ratio Lower Upper
152 100
115 66.5 32.3 96.8
150 160.7 0.0 351.0

