

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088187.D
 Acq On : 31 Oct 2025 14:42
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 01 00:34:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	284349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	657660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	634979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	322642	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	311504	63.353	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	126.700%#
35) Dibromofluoromethane	8.147	113	224351	50.779	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.560%
50) Toluene-d8	10.547	98	853472	50.133	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.260%
62) 4-Bromofluorobenzene	12.829	95	344981	57.380	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	114.760%

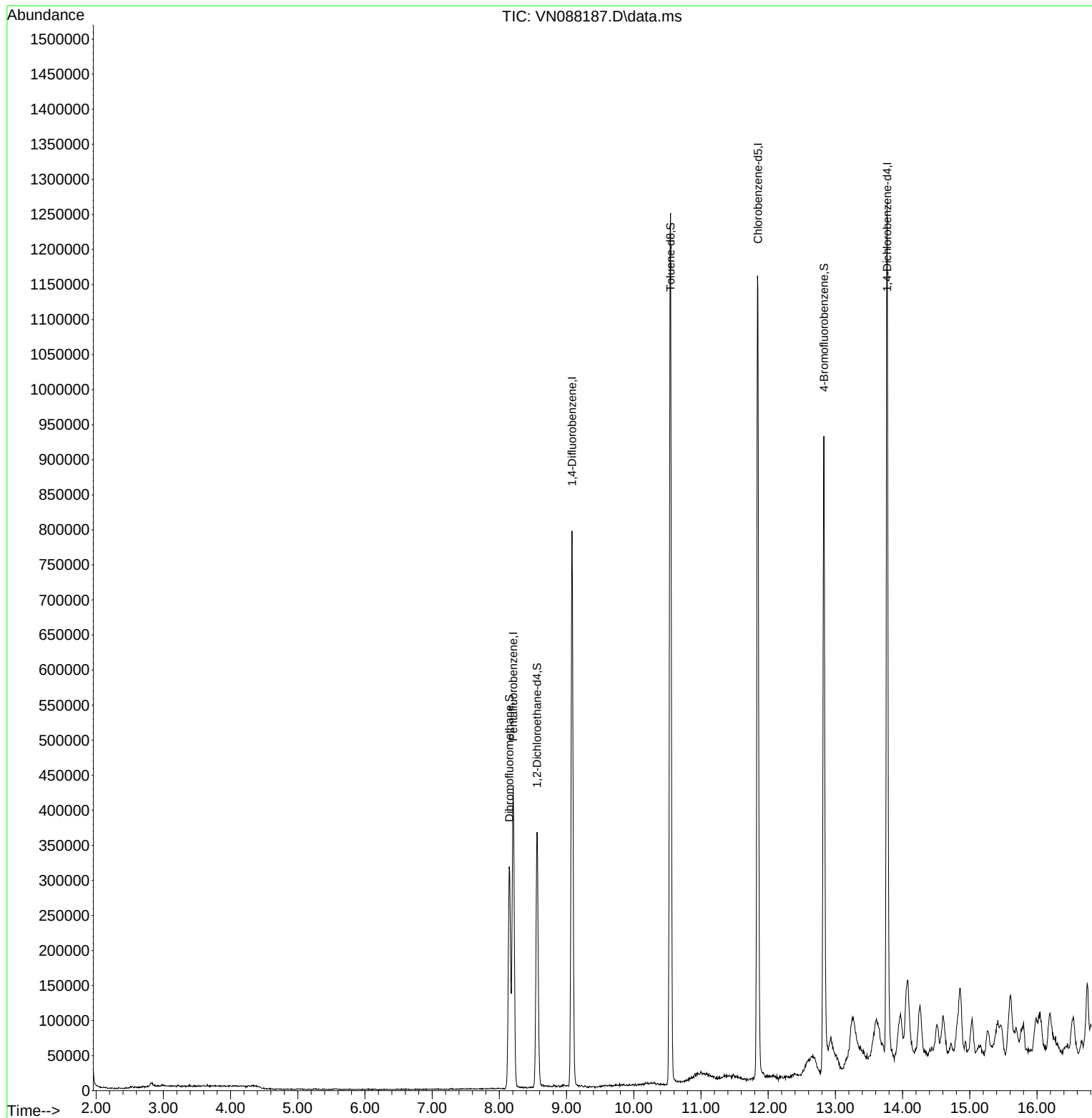
Target Compounds	Qvalue

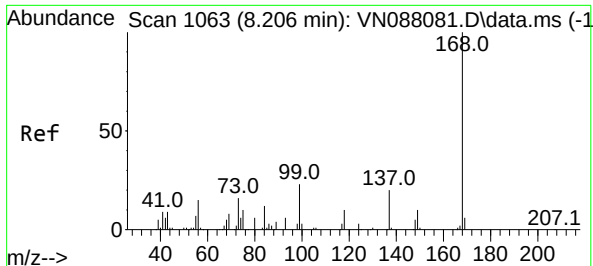
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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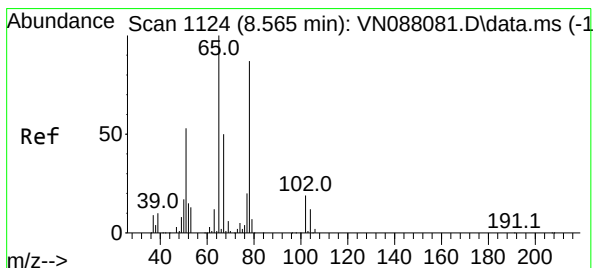
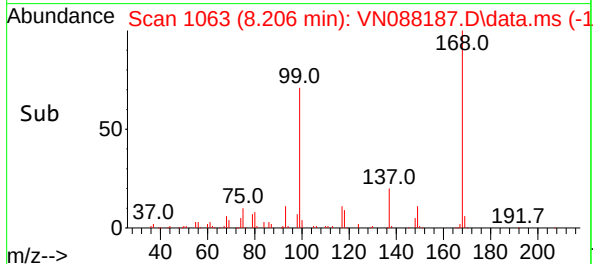
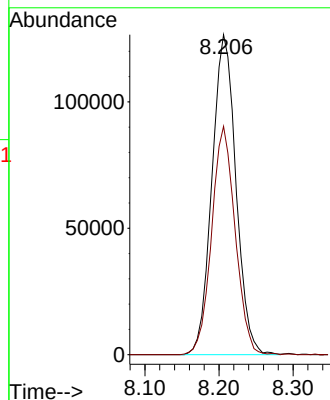
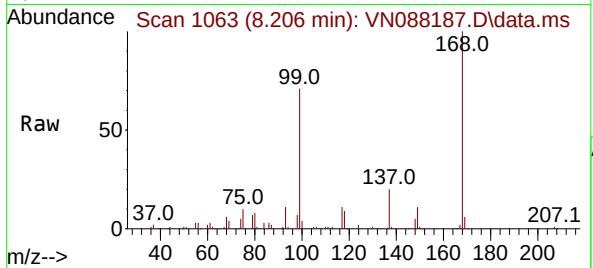




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

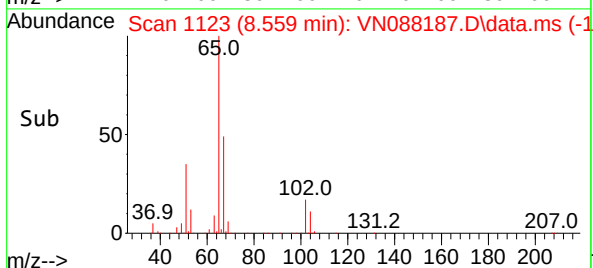
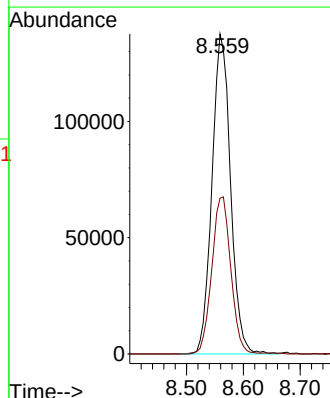
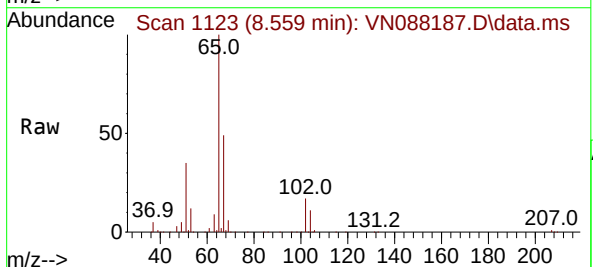
Instrument :
MSVOA_N
ClientSampleId :
IBLK

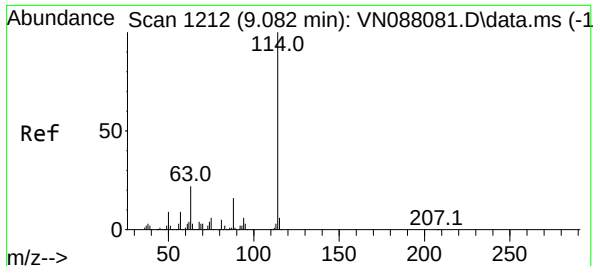
Tgt Ion:168 Resp: 284349
Ion Ratio Lower Upper
168 100
99 71.3 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 63.353 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

Tgt Ion: 65 Resp: 311504
Ion Ratio Lower Upper
65 100
67 50.2 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: VN088187.D

Acq: 31 Oct 2025 14:42

Instrument :

MSVOA_N

ClientSampleId :

IBLK

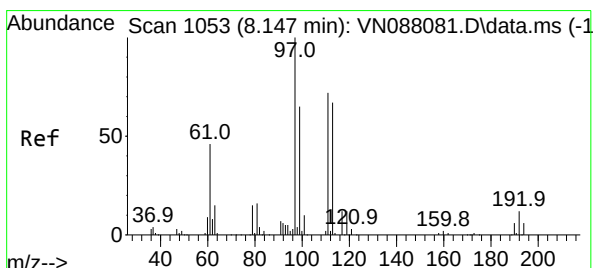
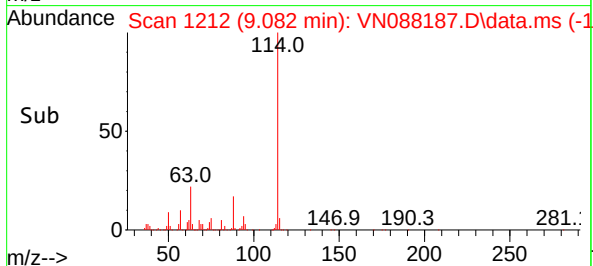
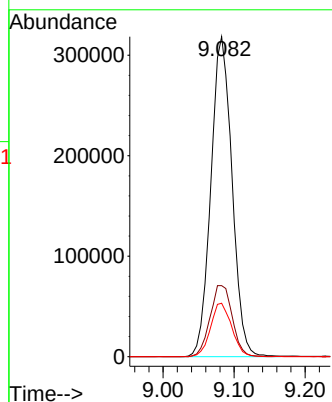
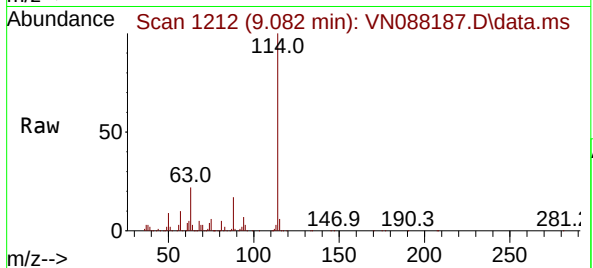
Tgt Ion:114 Resp: 657660

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

88 16.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.779 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088187.D

Acq: 31 Oct 2025 14:42

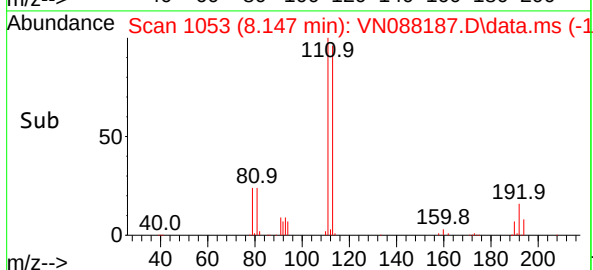
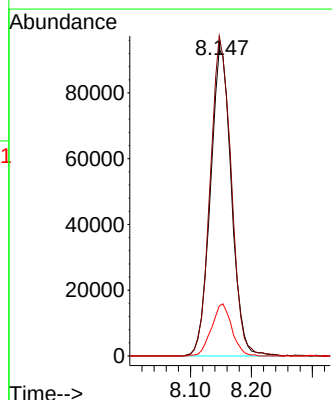
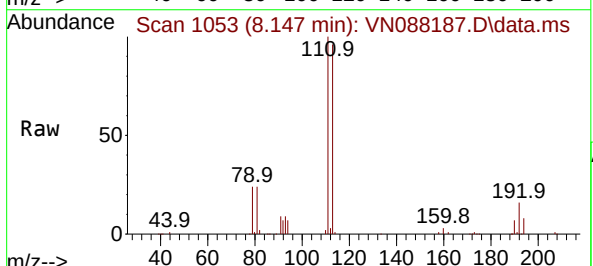
Tgt Ion:113 Resp: 224351

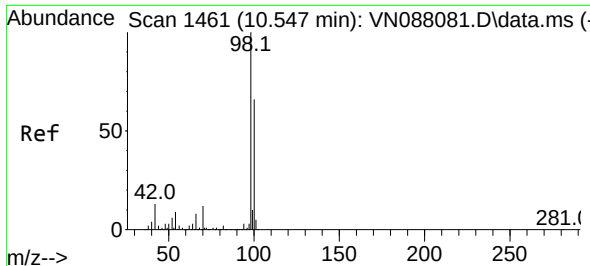
Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

192 16.3 12.8 19.2

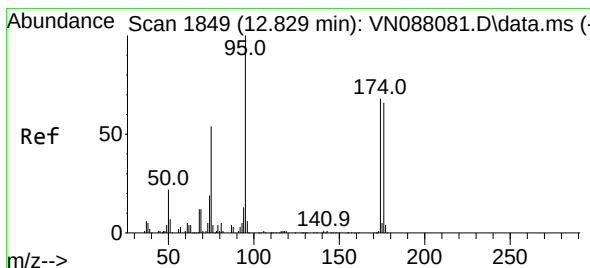
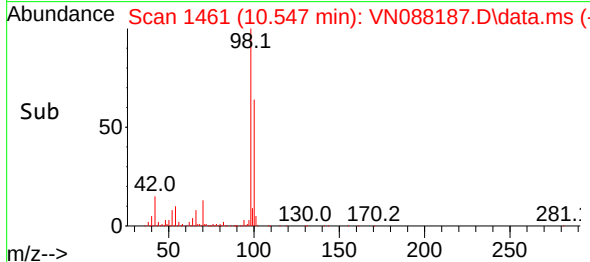
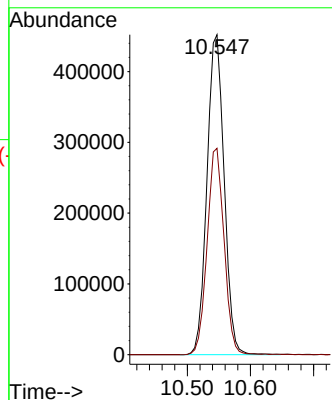
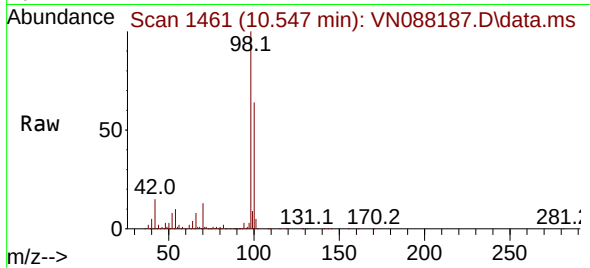




#50
Toluene-d8
Concen: 50.133 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

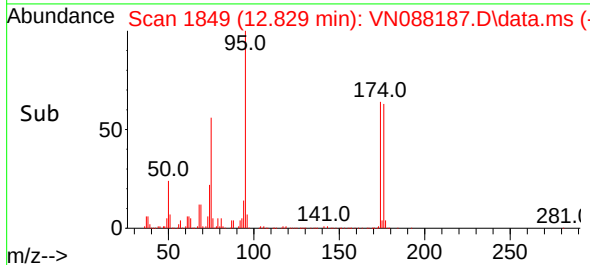
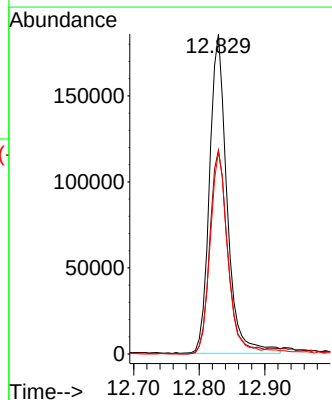
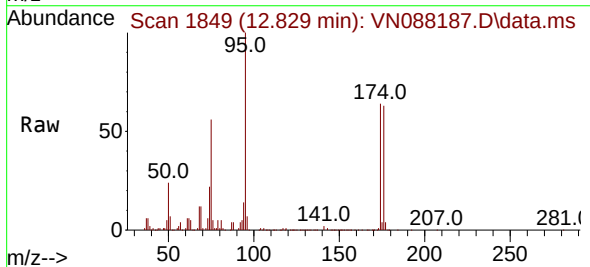
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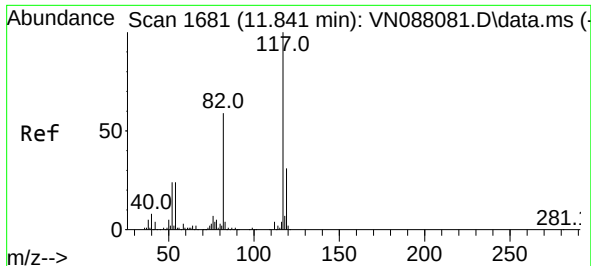
Tgt Ion: 98 Resp: 853472
Ion Ratio Lower Upper
98 100
100 63.7 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 57.380 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

Tgt Ion: 95 Resp: 344981
Ion Ratio Lower Upper
95 100
174 65.6 0.0 138.4
176 65.9 0.0 132.6

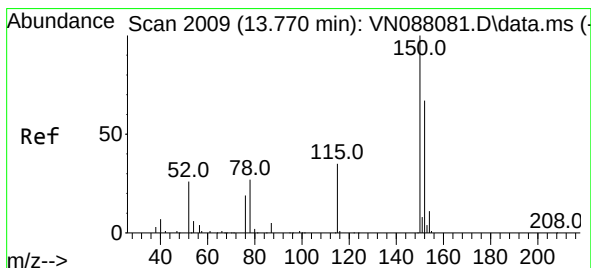
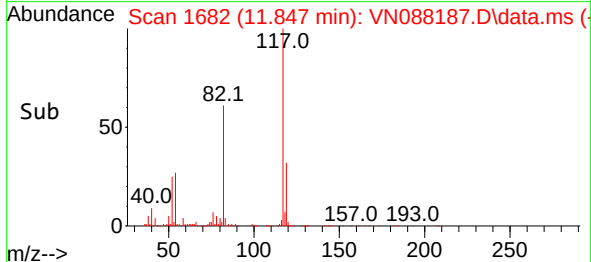
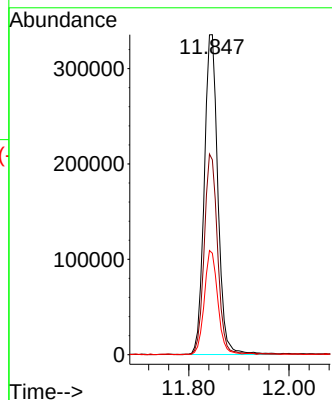
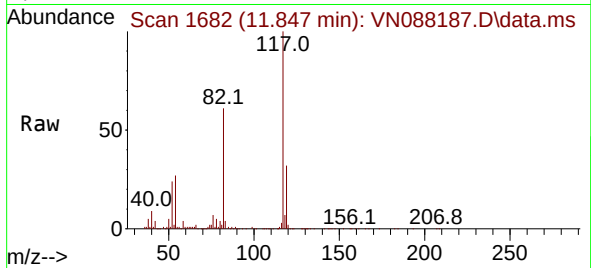




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 634979
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 31.6 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: VN088187.D
Acq: 31 Oct 2025 14:42

Tgt Ion:152 Resp: 322642
Ion Ratio Lower Upper
152 100
115 65.6 32.3 96.8
150 156.8 0.0 351.0

