

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087781.D
 Acq On : 10 Sep 2025 15:26
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Sep 11 02:05:22 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	204822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	461905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	427151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	201485	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	204949	48.837	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.680%
35) Dibromofluoromethane	8.147	113	159631	47.866	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.740%
50) Toluene-d8	10.547	98	580891	46.538	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.080%
62) 4-Bromofluorobenzene	12.823	95	202476	45.613	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.220%

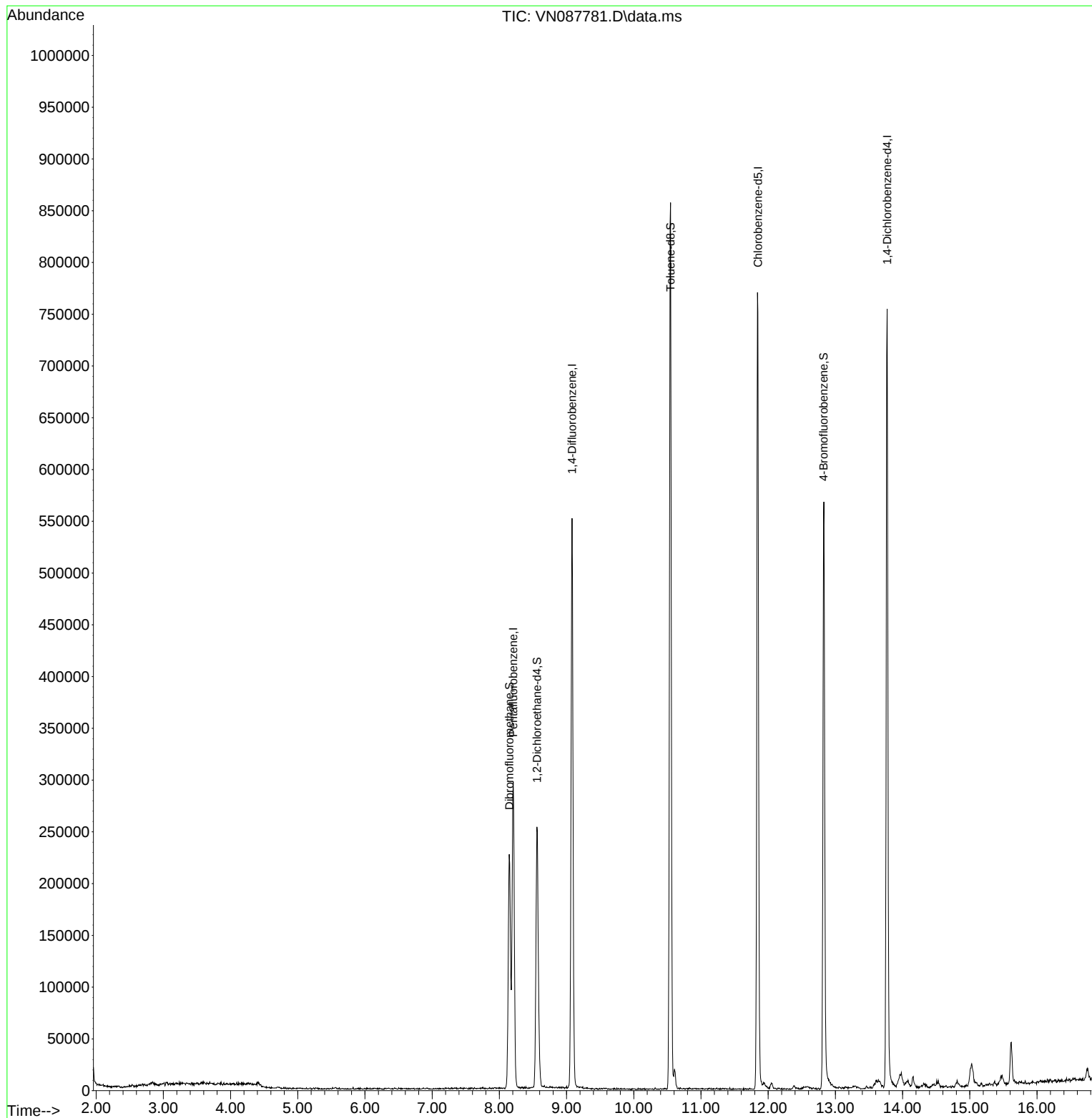
Target Compounds	Qvalue

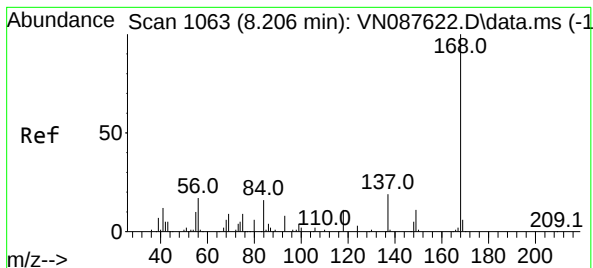
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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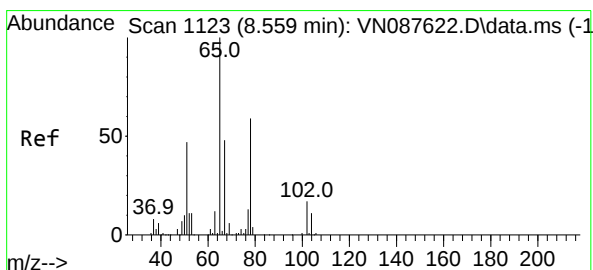
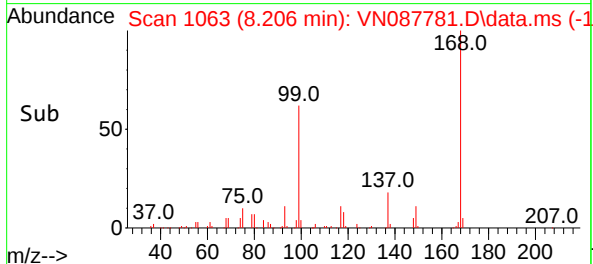
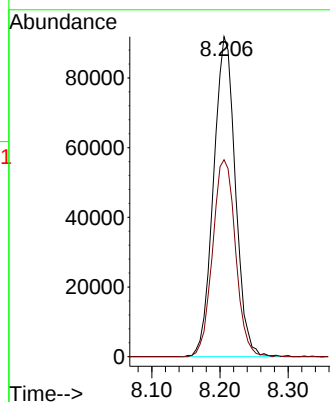
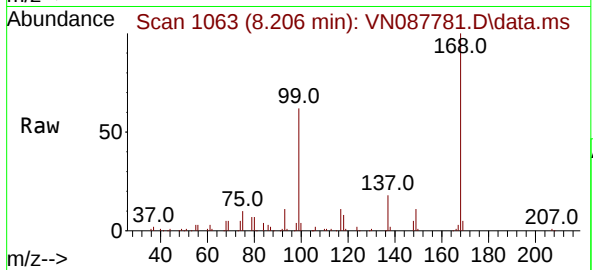




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

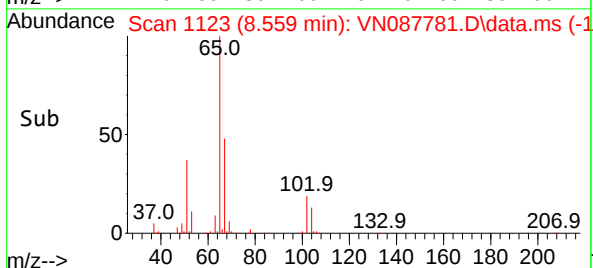
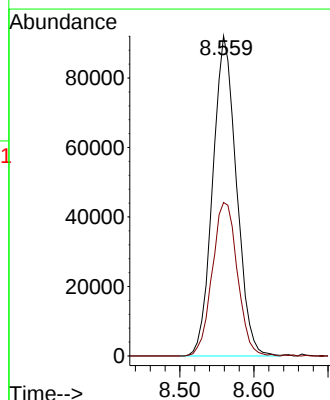
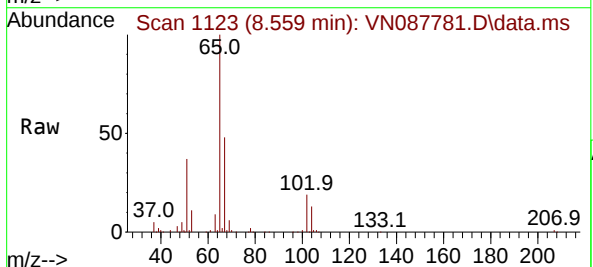
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

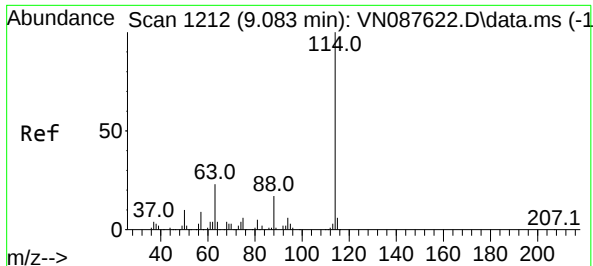
Tgt Ion:168 Resp: 204822
Ion Ratio Lower Upper
168 100
99 61.6 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 48.837 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

Tgt Ion: 65 Resp: 204949
Ion Ratio Lower Upper
65 100
67 50.8 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: VN087781.D

Acq: 10 Sep 2025 15:26

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

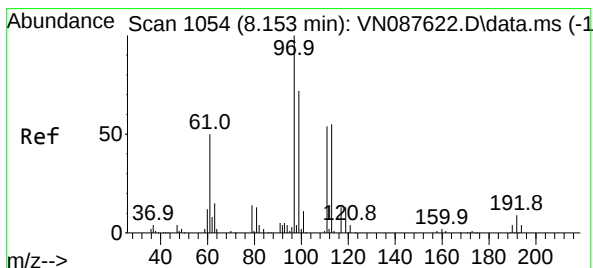
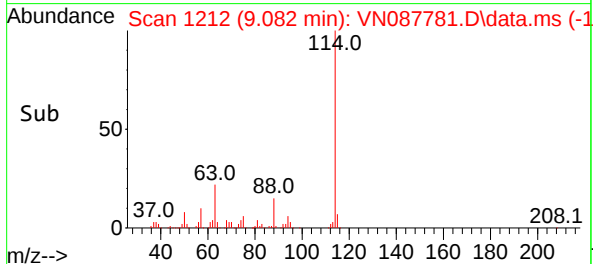
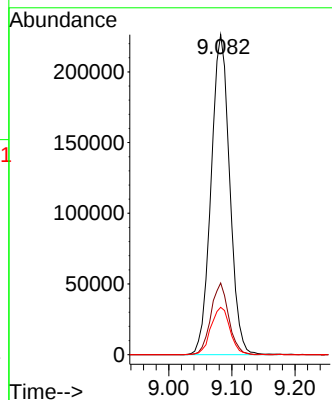
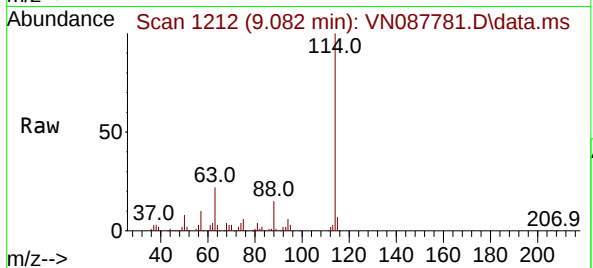
Tgt Ion:114 Resp: 461905

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

88 14.8 0.0 33.4



#35

Dibromofluoromethane

Concen: 47.866 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087781.D

Acq: 10 Sep 2025 15:26

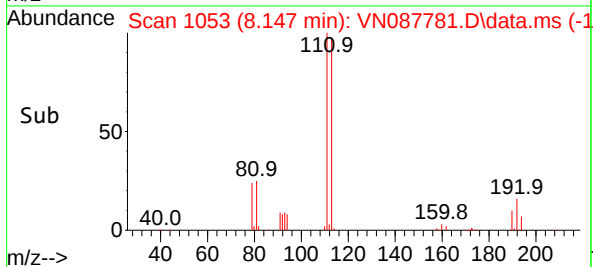
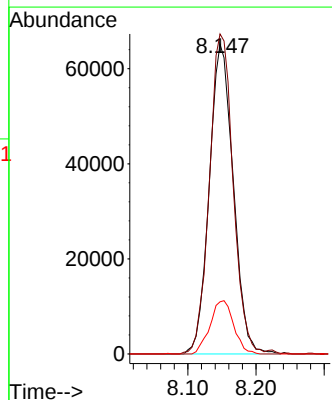
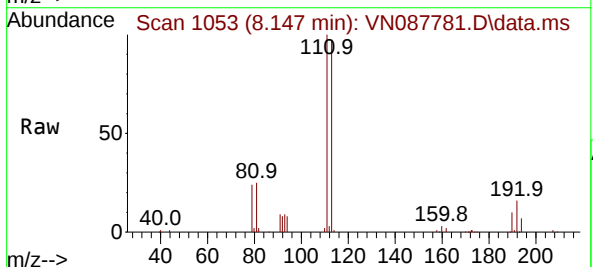
Tgt Ion:113 Resp: 159631

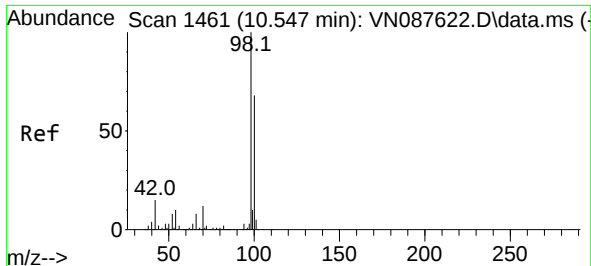
Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

192 17.0 12.8 19.2

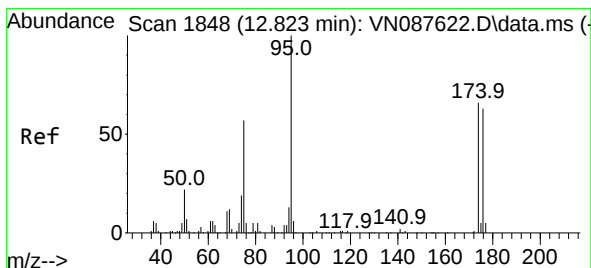
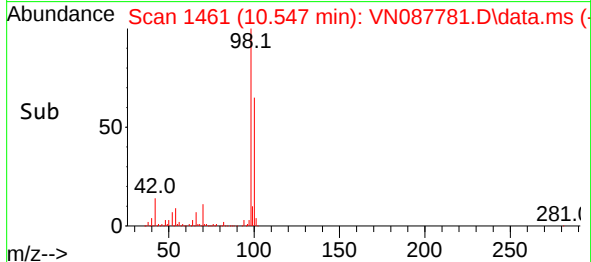
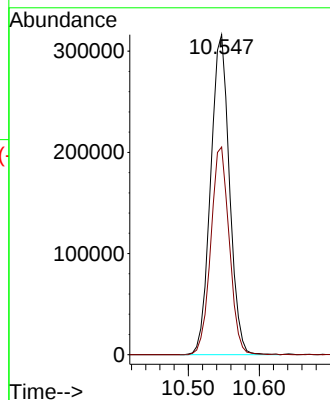
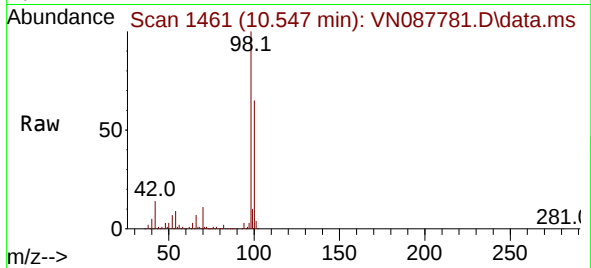




#50
Toluene-d8
Concen: 46.538 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

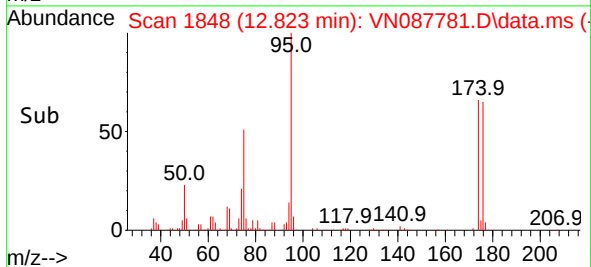
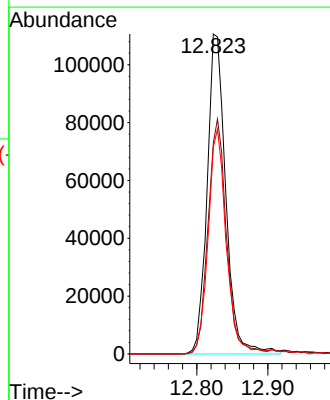
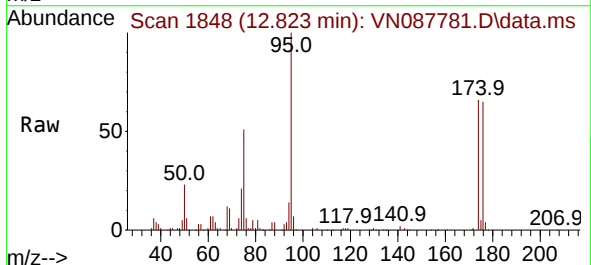
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

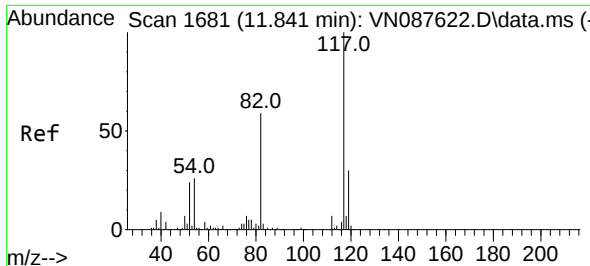
Tgt Ion: 98 Resp: 580891
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.613 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

Tgt Ion: 95 Resp: 202476
Ion Ratio Lower Upper
95 100
174 72.2 0.0 138.4
176 69.3 0.0 132.6

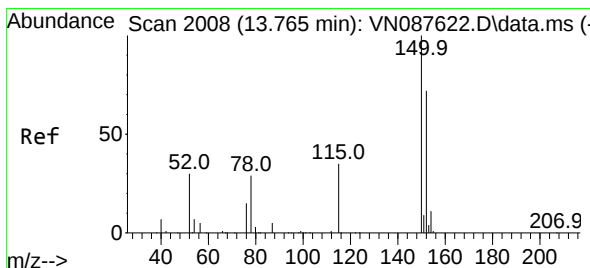
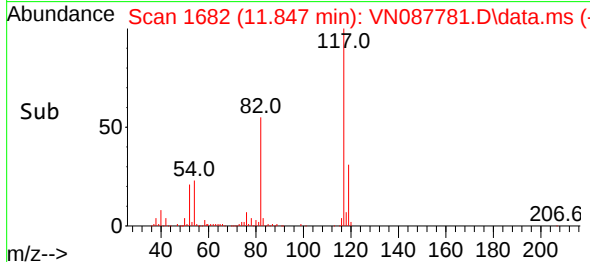
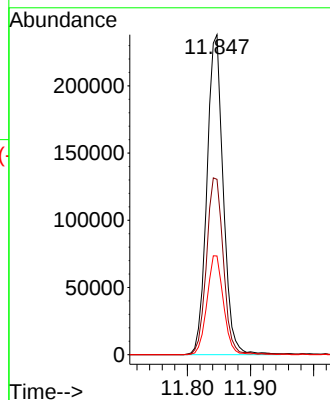
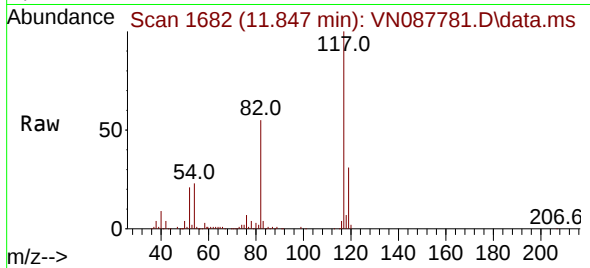




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 427151
Ion Ratio Lower Upper
117 100
82 54.8 47.4 71.2
119 30.9 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: VN087781.D
Acq: 10 Sep 2025 15:26

Tgt Ion:152 Resp: 201485
Ion Ratio Lower Upper
152 100
115 63.3 32.3 96.8
150 158.0 0.0 351.0

