

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088084.D
 Acq On : 23 Oct 2025 12:23
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 24 03:18:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 03:16:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	206120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	460030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	434340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	205575	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	192199	53.924	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.840%
35) Dibromofluoromethane	8.147	113	157545	50.977	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.960%
50) Toluene-d8	10.547	98	584307	49.067	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.140%
62) 4-Bromofluorobenzene	12.829	95	219099	52.098	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.200%

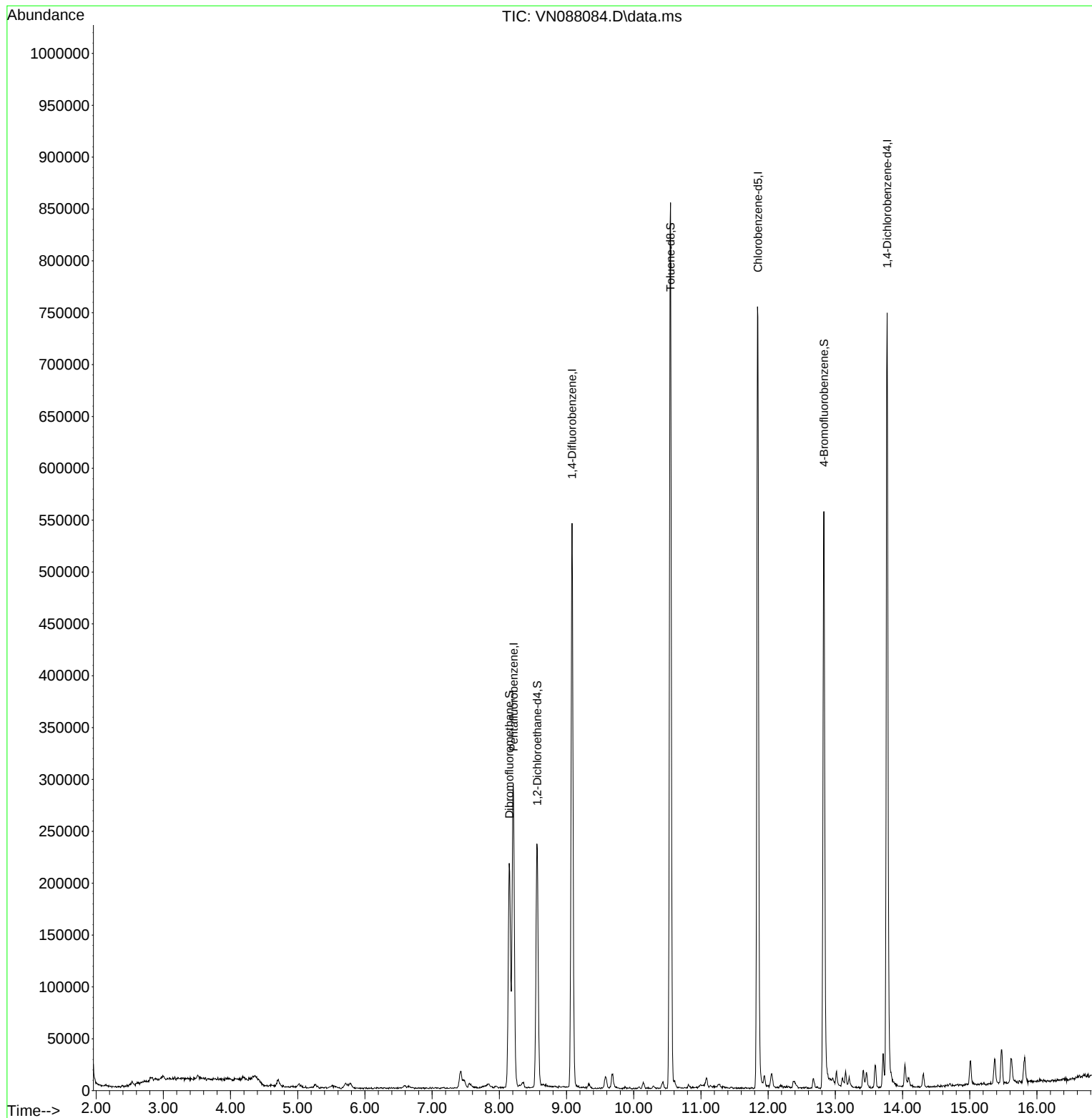
Target Compounds	Qvalue

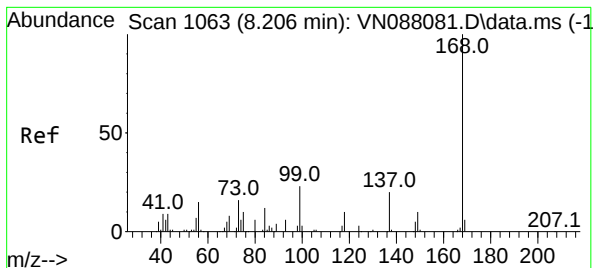
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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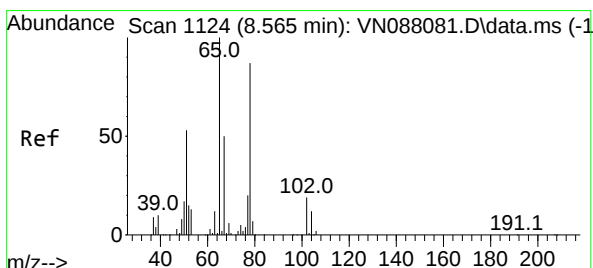
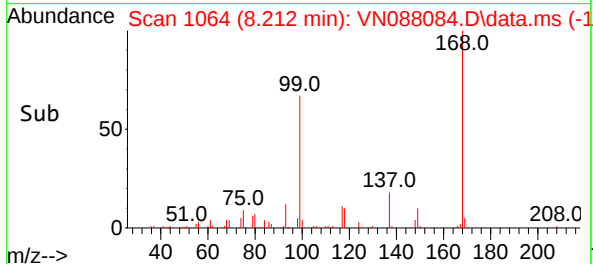
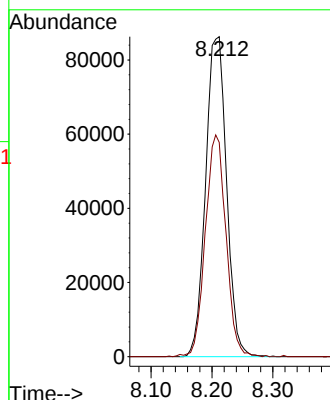
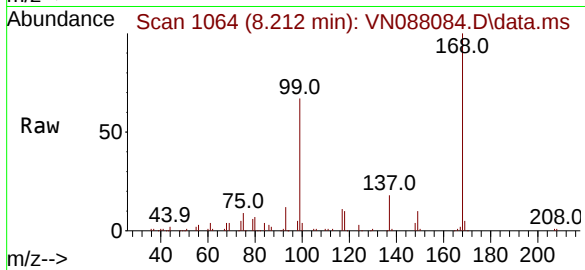




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN088084.D
Acq: 23 Oct 2025 12:23

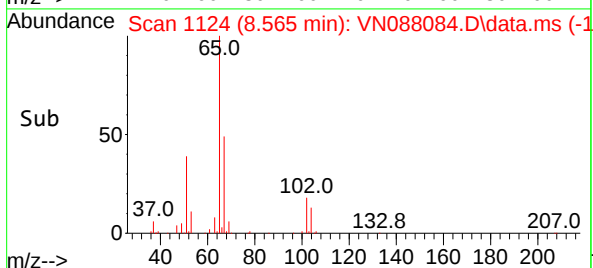
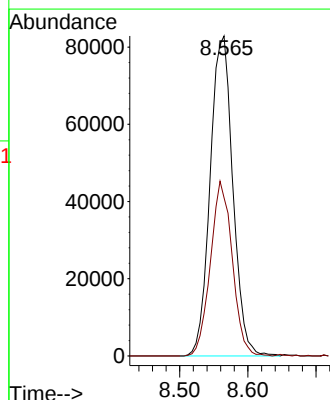
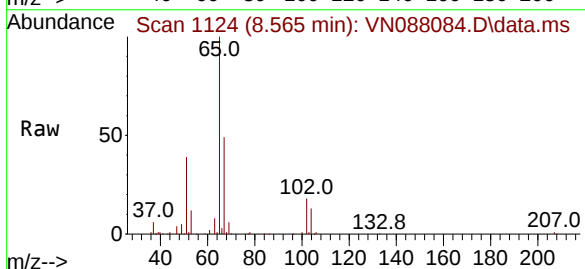
Instrument :
MSVOA_N
ClientSampleId :
IBLK

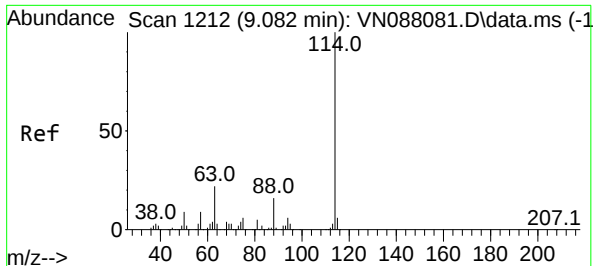
Tgt Ion:168 Resp: 206120
Ion Ratio Lower Upper
168 100
99 66.9 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 53.924 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088084.D
Acq: 23 Oct 2025 12:23

Tgt Ion: 65 Resp: 192199
Ion Ratio Lower Upper
65 100
67 52.6 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: VN088084.D

Acq: 23 Oct 2025 12:23

Instrument :

MSVOA_N

ClientSampleId :

IBLK

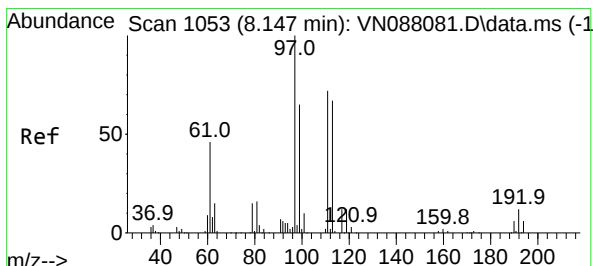
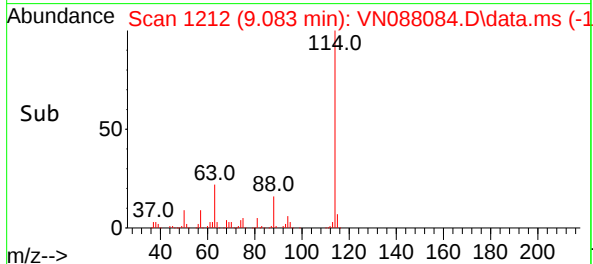
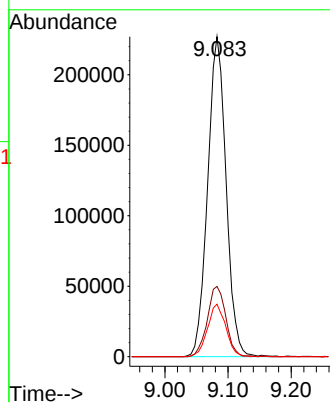
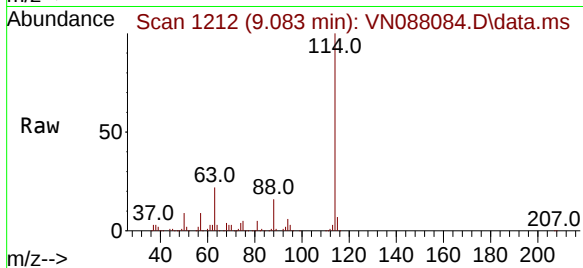
Tgt Ion:114 Resp: 460030

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.2

88 16.4 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.977 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088084.D

Acq: 23 Oct 2025 12:23

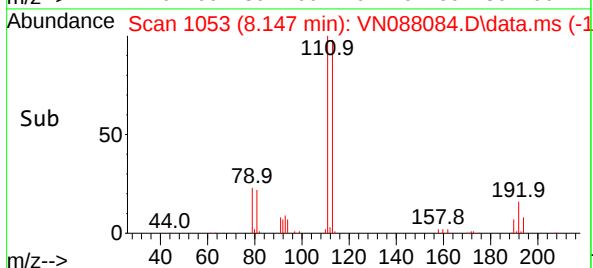
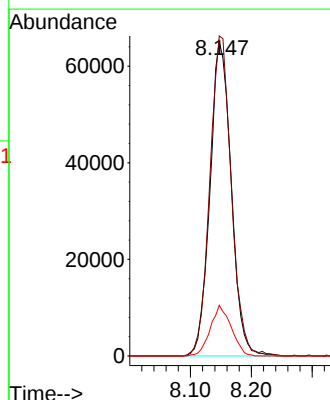
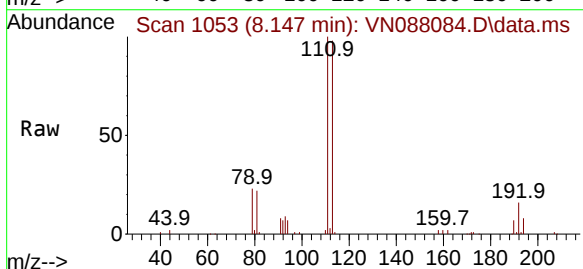
Tgt Ion:113 Resp: 157545

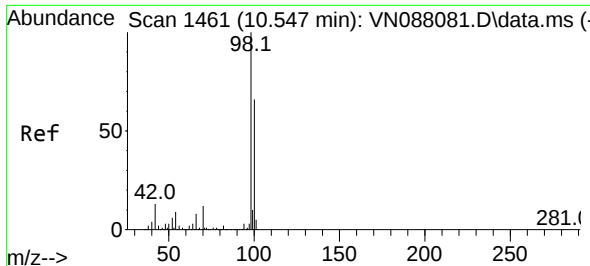
Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 15.9 12.8 19.2

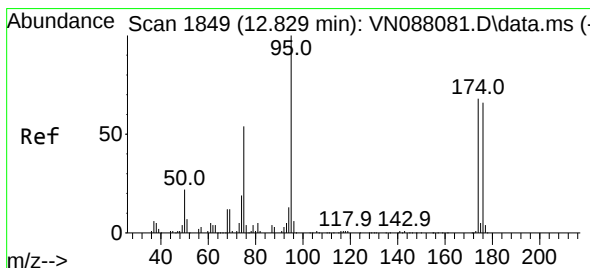
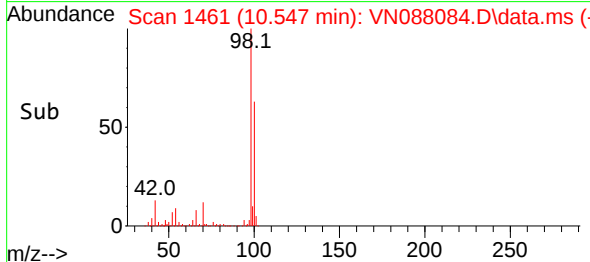
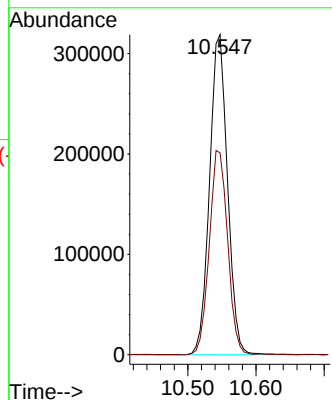
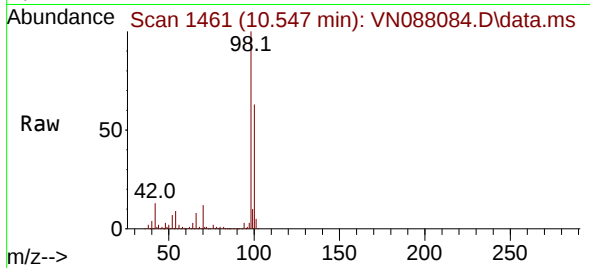




#50
Toluene-d8
Concen: 49.067 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088084.D
Acq: 23 Oct 2025 12:23

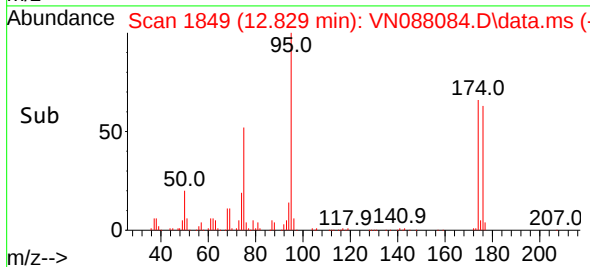
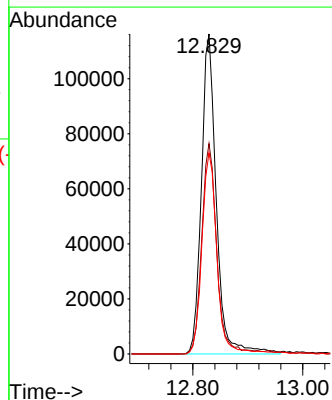
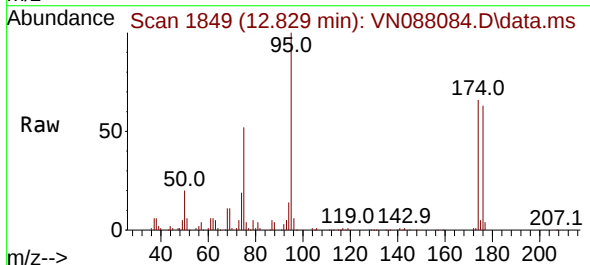
Instrument :
MSVOA_N
ClientSampleId :
IBLK

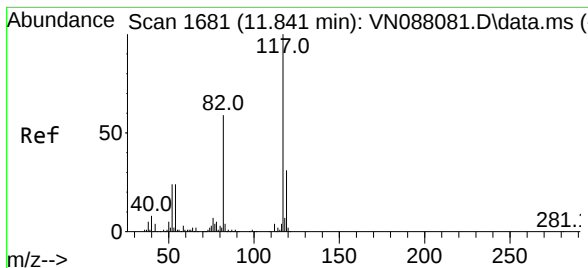
Tgt Ion: 98 Resp: 584307
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.098 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088084.D
Acq: 23 Oct 2025 12:23

Tgt Ion: 95 Resp: 219099
Ion Ratio Lower Upper
95 100
174 66.4 0.0 138.4
176 63.4 0.0 132.6

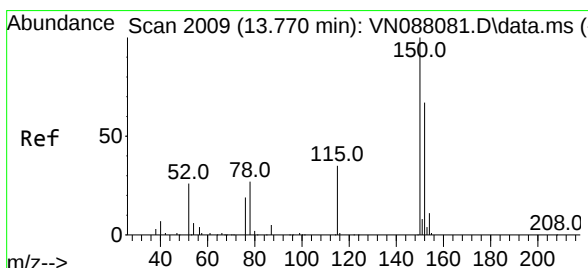
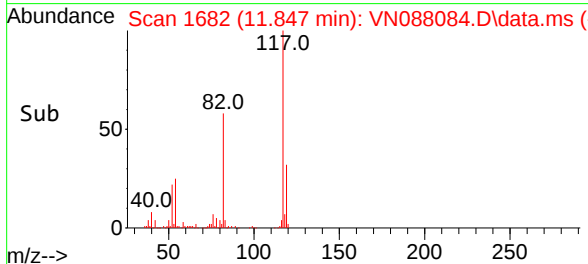
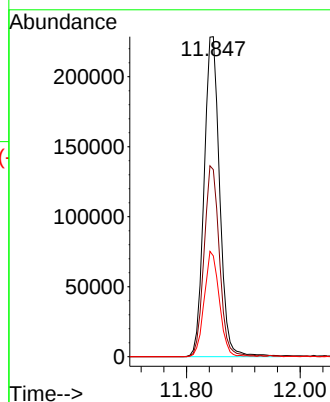
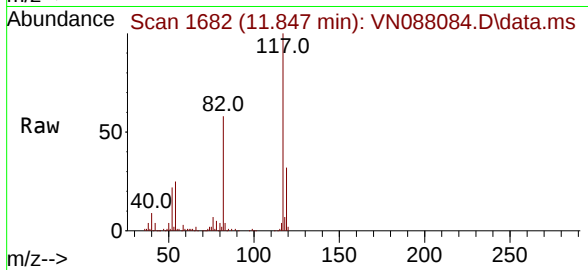




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088084.D
Acq: 23 Oct 2025 12:23

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 434340
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.5 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: VN088084.D
Acq: 23 Oct 2025 12:23

Tgt Ion:152 Resp: 205575
Ion Ratio Lower Upper
152 100
115 64.3 32.3 96.8
150 157.3 0.0 351.0

