

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088098.D
 Acq On : 24 Oct 2025 16:41
 Operator : JC\MD
 Sample : Q3463-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Oct 25 01:08:06 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	240302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	541591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	517069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	255683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	260134	62.603	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 125.200%#	
35) Dibromofluoromethane	8.148	113	189342	52.039	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.080%	
50) Toluene-d8	10.547	98	690069	49.222	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.440%	
62) 4-Bromofluorobenzene	12.830	95	272274	54.992	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.980%	

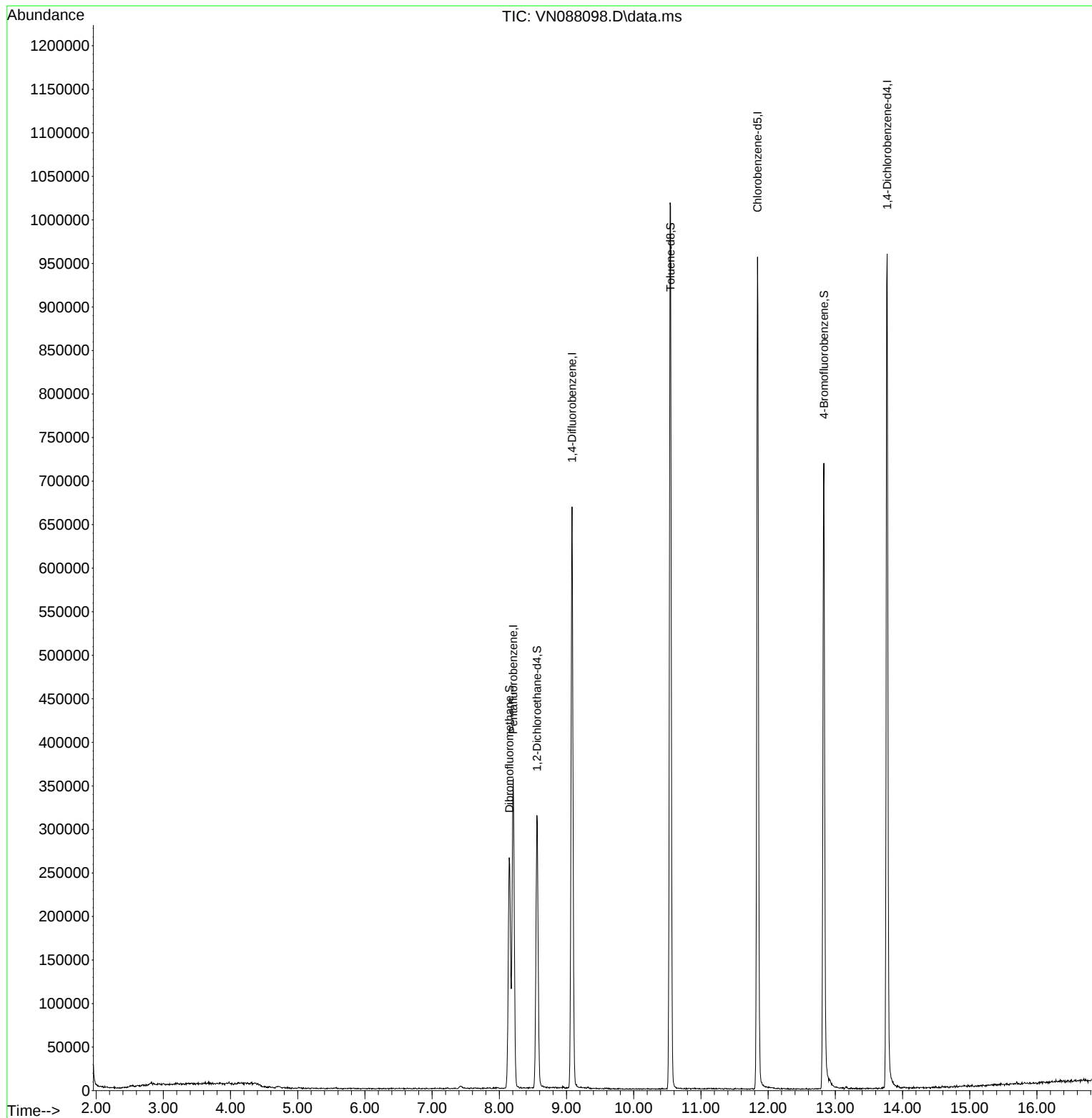
Target Compounds	Qvalue

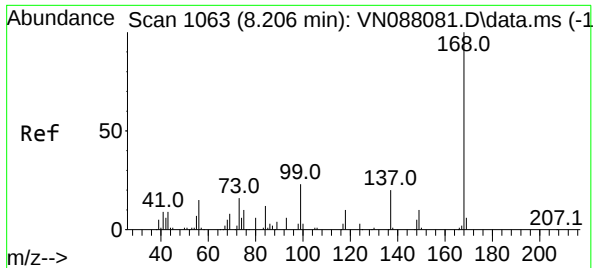
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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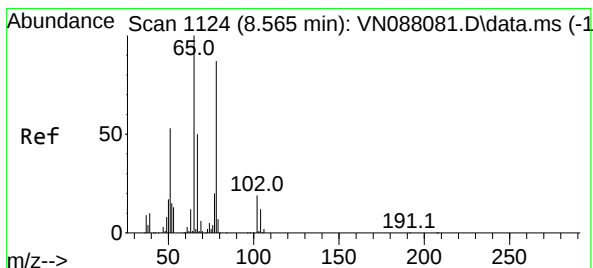
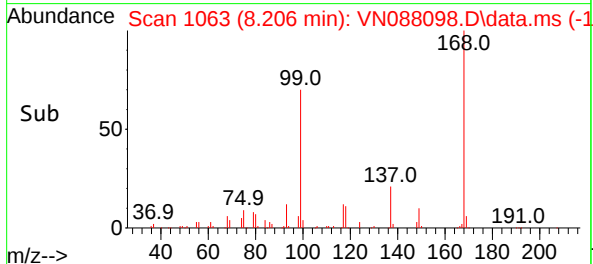
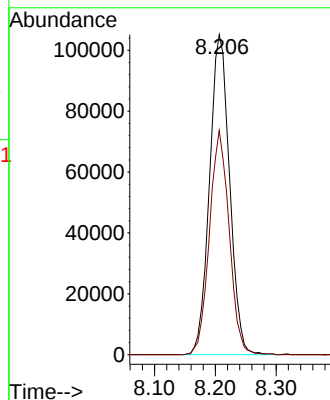
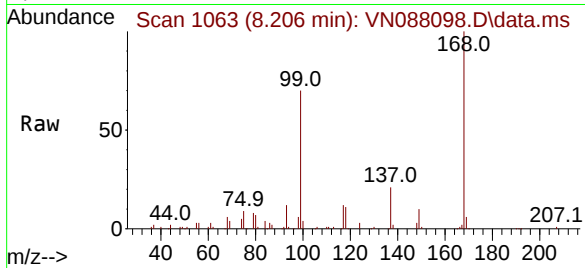




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

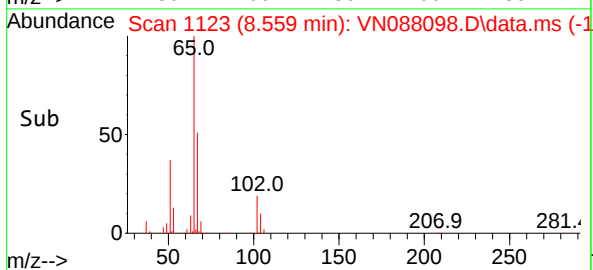
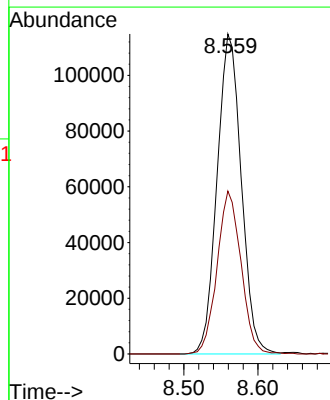
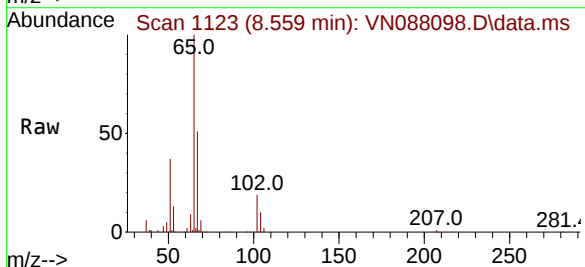
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

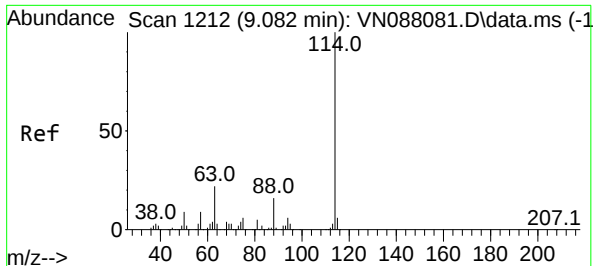
Tgt Ion:168 Resp: 240302
Ion Ratio Lower Upper
168 100
99 70.1 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 62.603 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

Tgt Ion: 65 Resp: 260134
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: VN088098.D

Acq: 24 Oct 2025 16:41

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

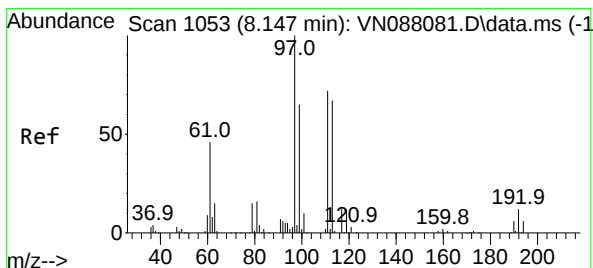
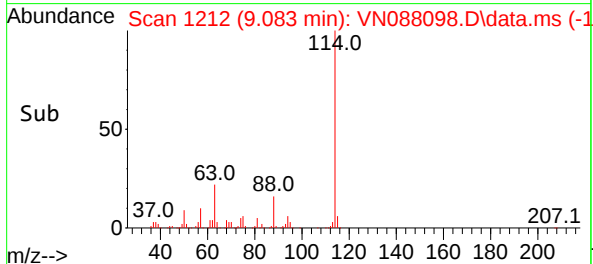
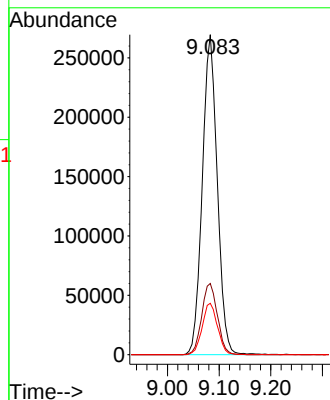
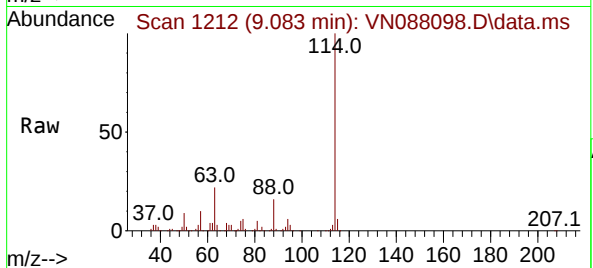
Tgt Ion:114 Resp: 541591

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 52.039 ug/l

RT: 8.148 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088098.D

Acq: 24 Oct 2025 16:41

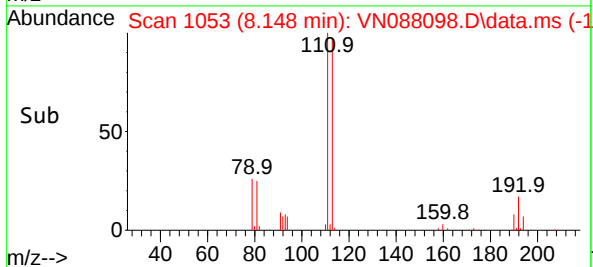
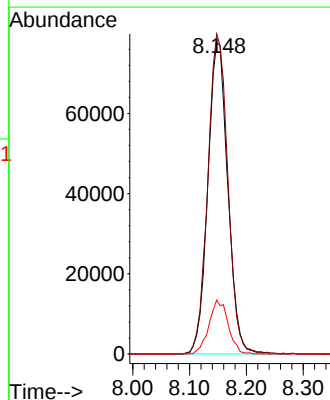
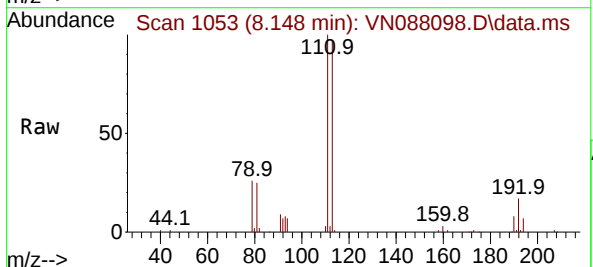
Tgt Ion:113 Resp: 189342

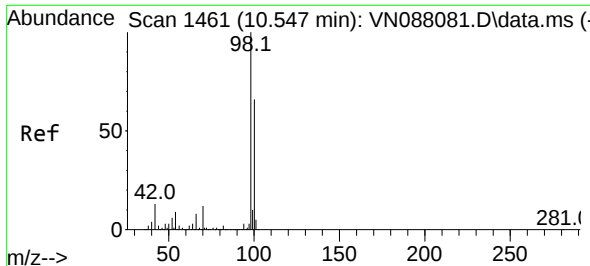
Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 16.6 12.8 19.2

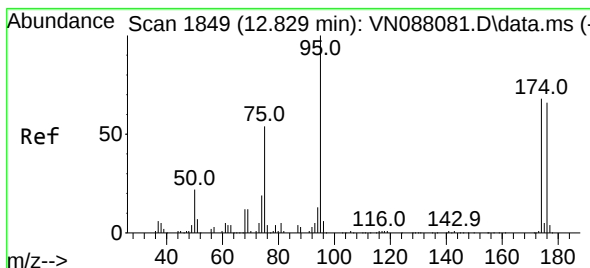
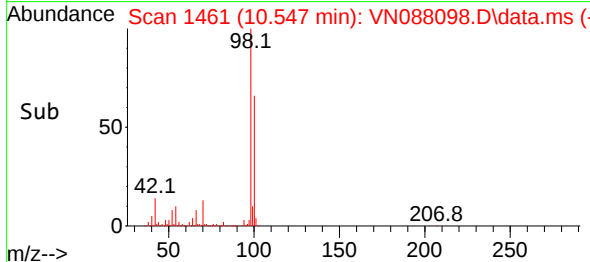
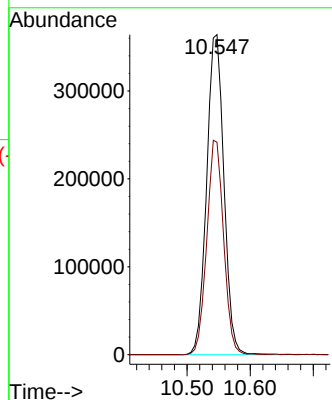
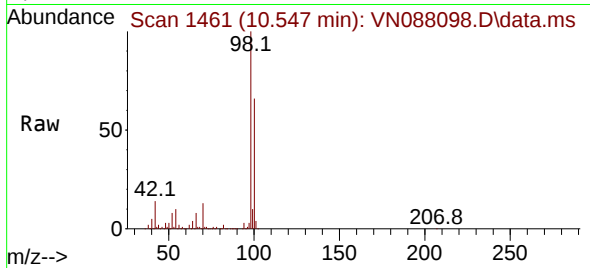




#50
Toluene-d8
Concen: 49.222 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

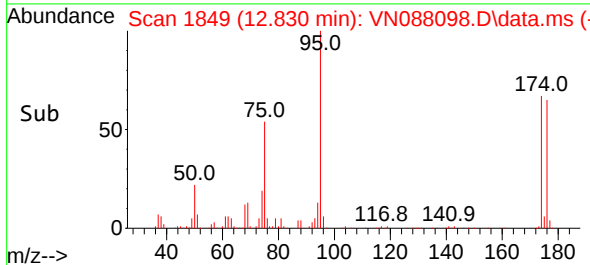
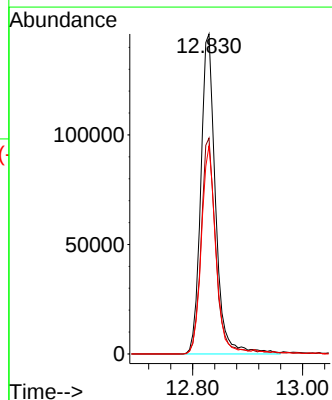
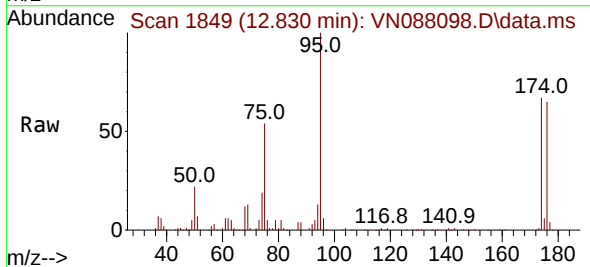
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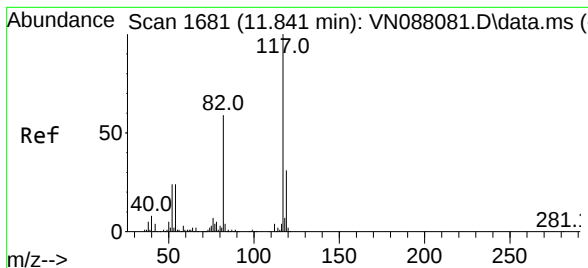
Tgt Ion: 98 Resp: 690069
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 54.992 ug/l
RT: 12.830 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

Tgt Ion: 95 Resp: 272274
Ion Ratio Lower Upper
95 100
174 67.4 0.0 138.4
176 63.8 0.0 132.6

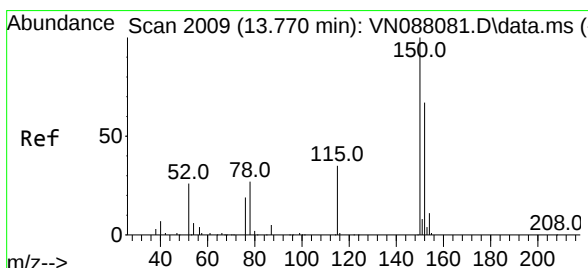
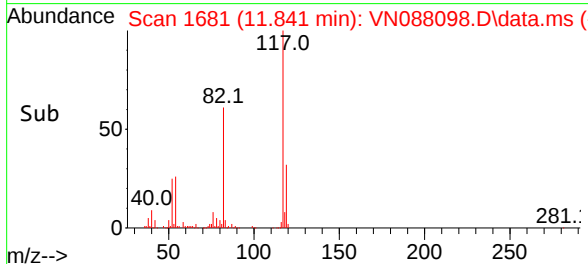
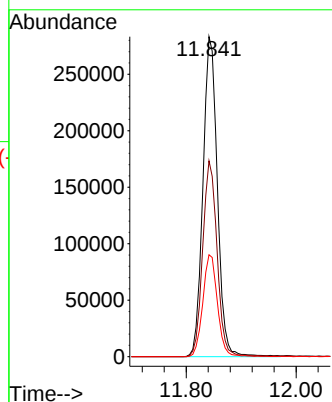
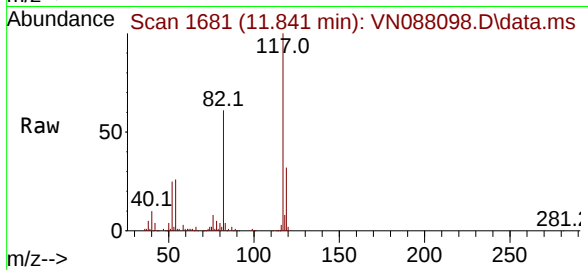




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tgt Ion:117 Resp: 517069
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.9 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: VN088098.D
Acq: 24 Oct 2025 16:41

Tgt Ion:152 Resp: 255683
Ion Ratio Lower Upper
152 100
115 65.5 32.3 96.8
150 157.2 0.0 351.0

