

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088096.D
 Acq On : 24 Oct 2025 15:59
 Operator : JC\MD
 Sample : Q3463-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Oct 25 01:07:18 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	213039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	478121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	452361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215681	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	221129	60.026	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	120.060%
35) Dibromofluoromethane	8.147	113	169179	52.670	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.340%
50) Toluene-d8	10.541	98	610839	49.355	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.700%
62) 4-Bromofluorobenzene	12.829	95	231255	52.907	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.820%

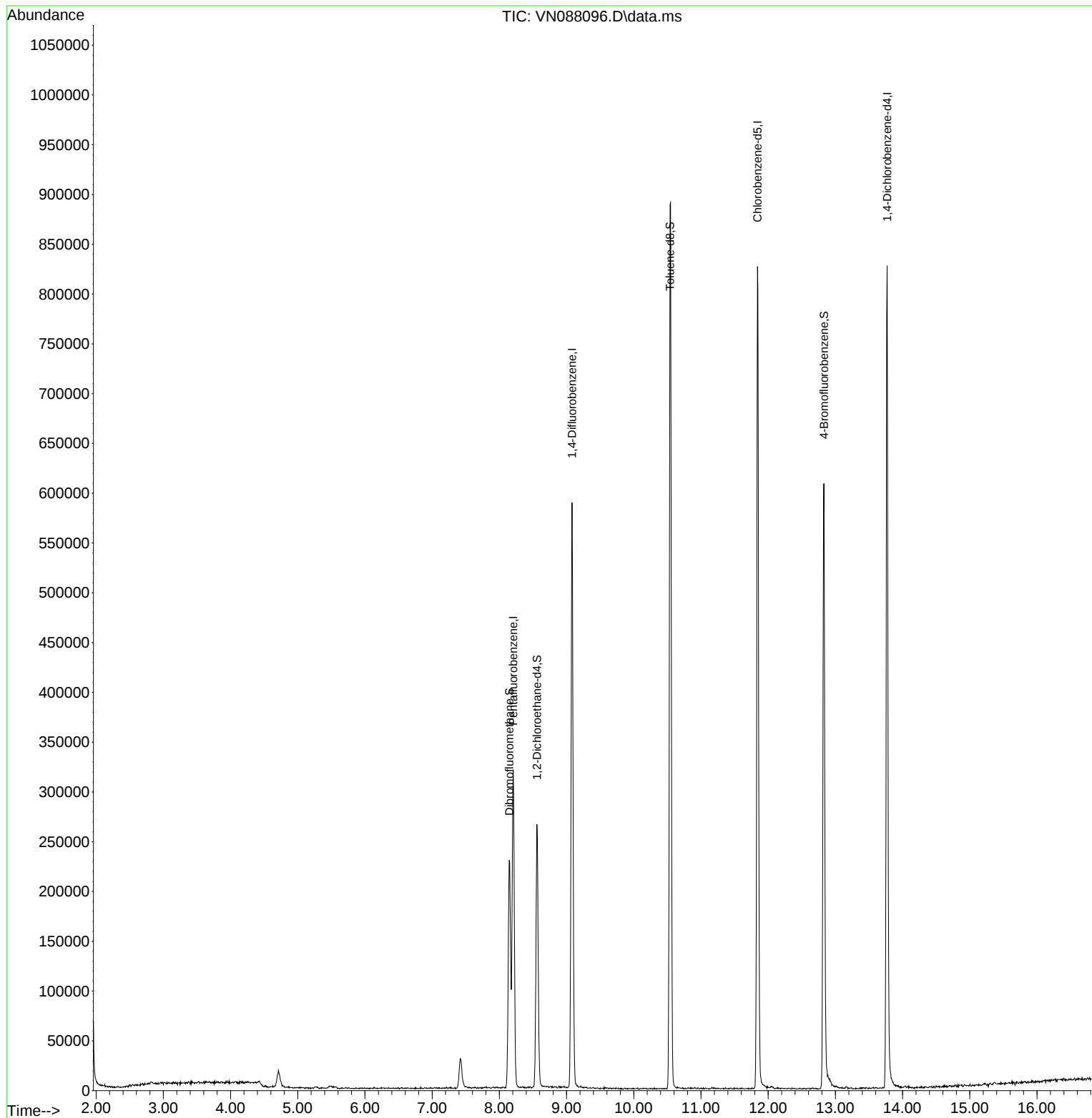
Target Compounds	Qvalue

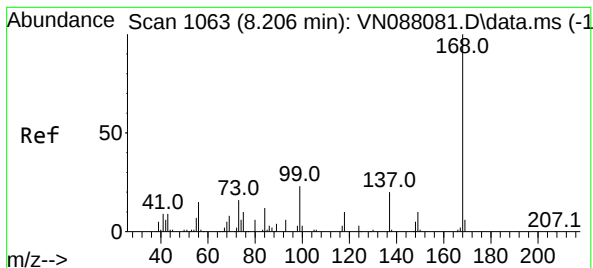
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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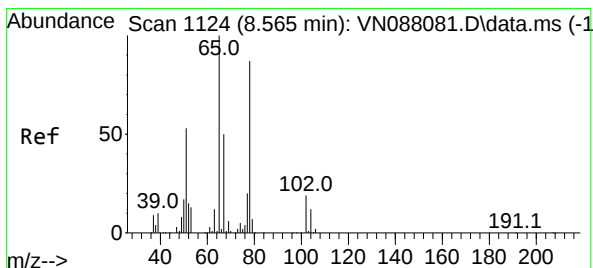
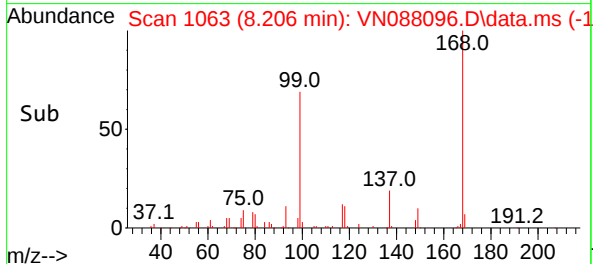
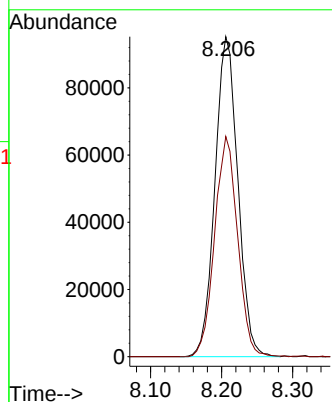
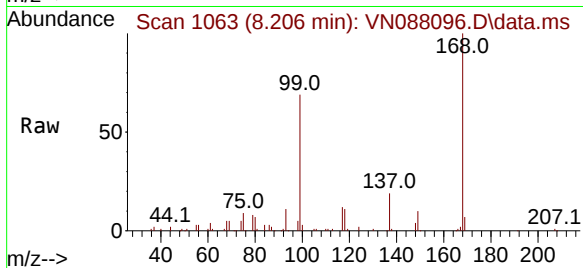




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

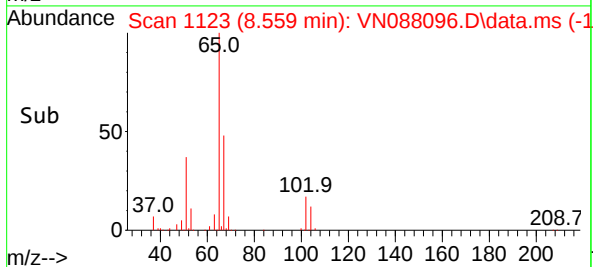
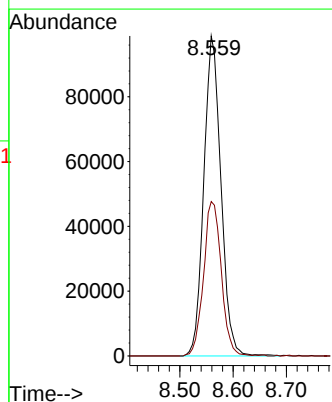
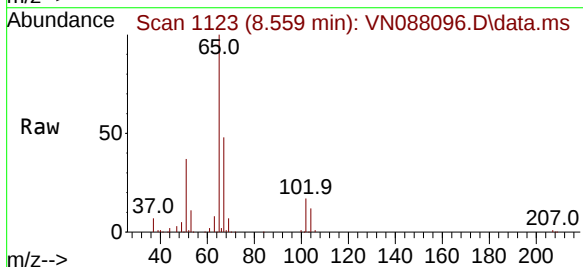
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

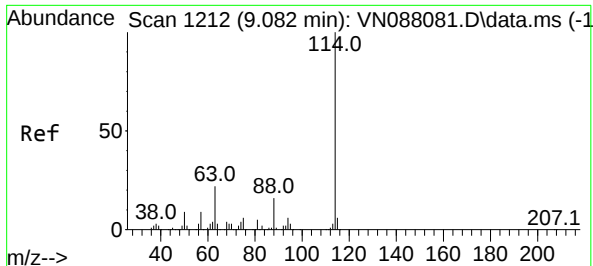
Tgt Ion:168 Resp: 213039
Ion Ratio Lower Upper
168 100
99 68.8 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 60.026 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion: 65 Resp: 221129
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.0

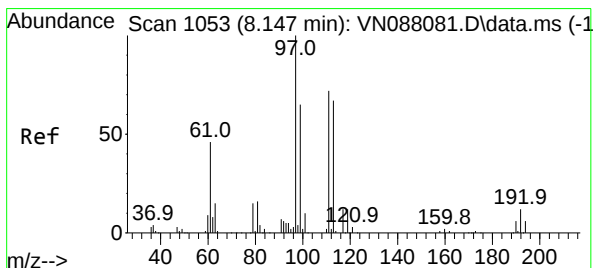
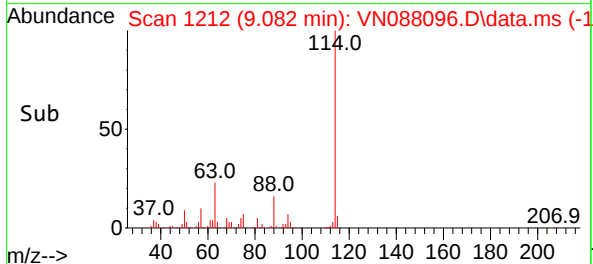
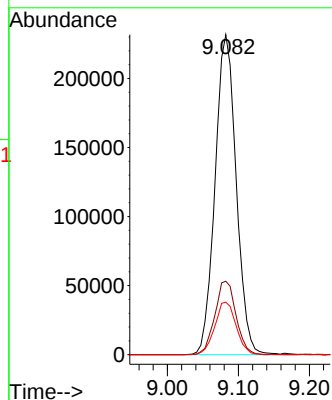
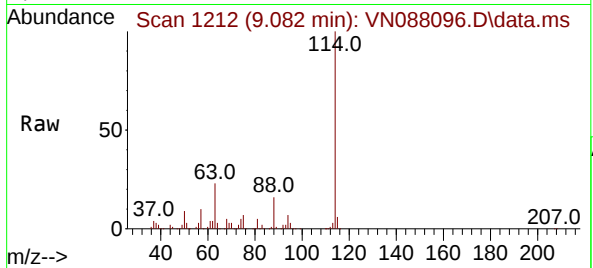




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

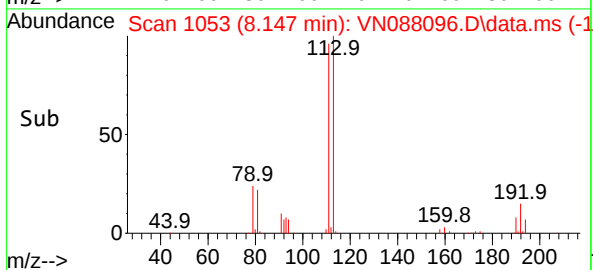
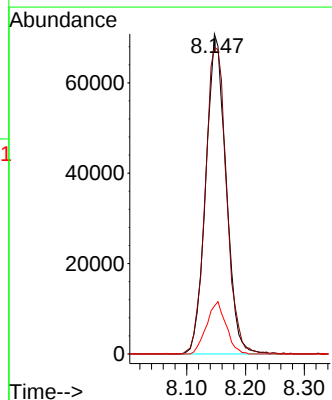
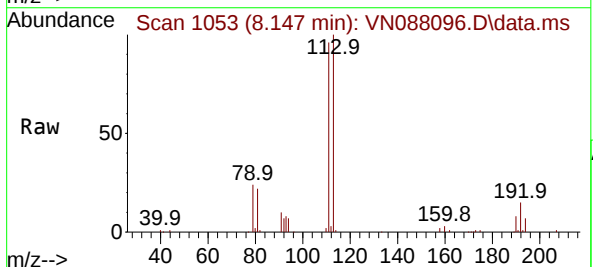
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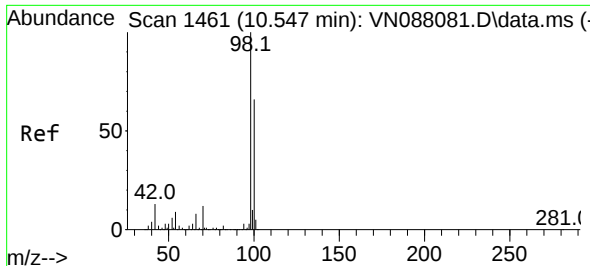
Tgt Ion:114 Resp: 478121
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.2
88 16.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 52.670 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion:113 Resp: 169179
Ion Ratio Lower Upper
113 100
111 101.0 82.8 124.2
192 15.8 12.8 19.2

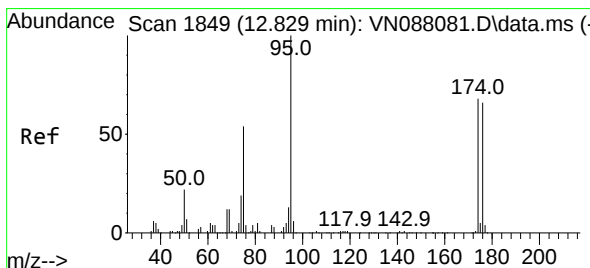
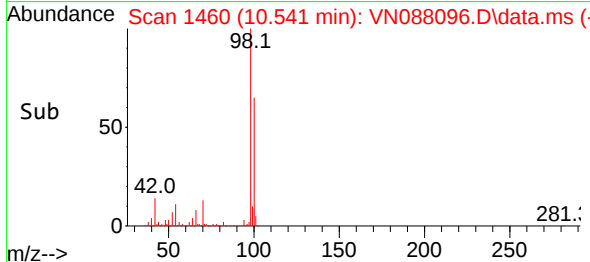
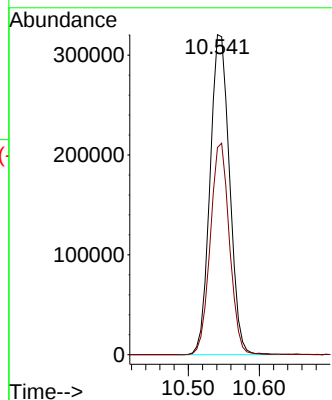
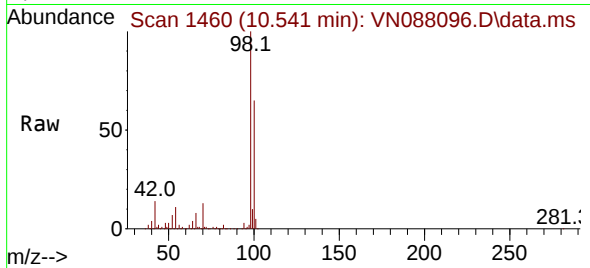




#50
Toluene-d8
Concen: 49.355 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

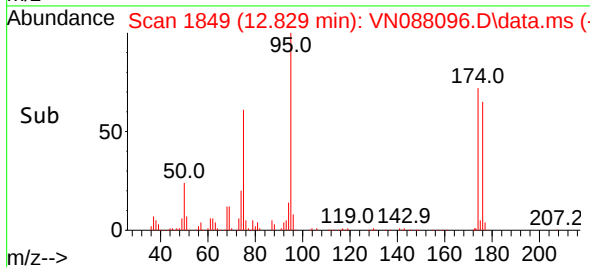
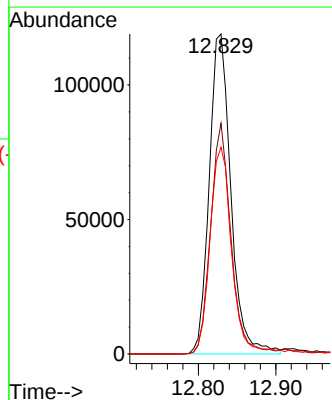
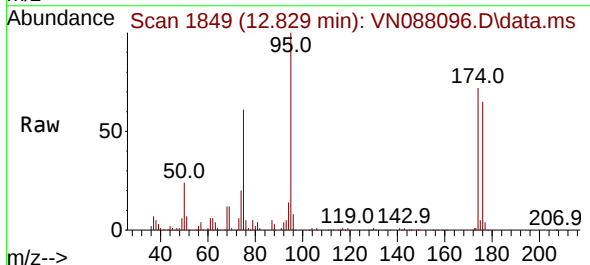
Instrument :
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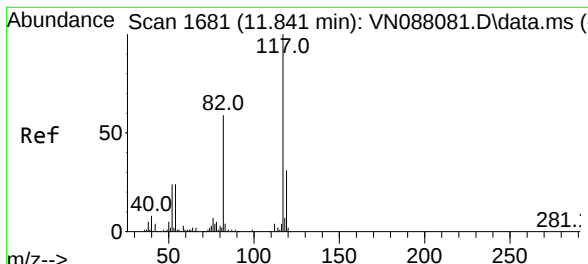
Tgt Ion: 98 Resp: 610839
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.907 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion: 95 Resp: 231255
Ion Ratio Lower Upper
95 100
174 67.6 0.0 138.4
176 63.6 0.0 132.6

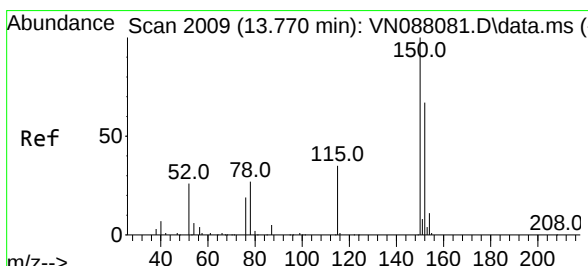
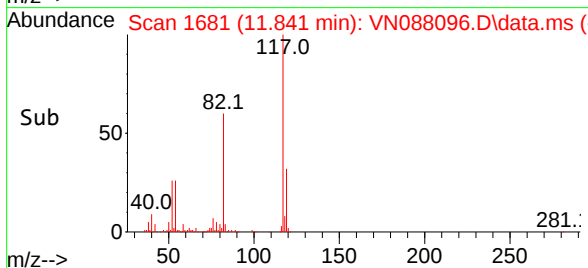
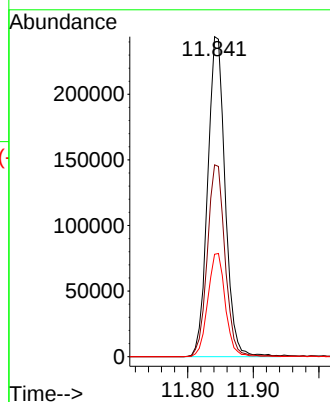
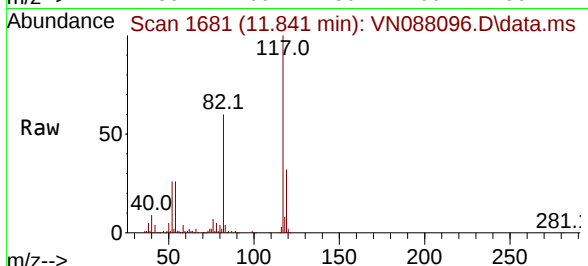




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:117 Resp: 452361
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 32.0 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: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion:152 Resp: 215681
Ion Ratio Lower Upper
152 100
115 64.7 32.3 96.8
150 158.9 0.0 351.0

