

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088094.D
 Acq On : 24 Oct 2025 15:18
 Operator : JC\MD
 Sample : Q3373-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Oct 25 01:06:32 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	218186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	487721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	460792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	220162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	222419	58.952	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.900%
35) Dibromofluoromethane	8.147	113	168734	51.498	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.000%
50) Toluene-d8	10.547	98	619295	49.053	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.100%
62) 4-Bromofluorobenzene	12.829	95	233978	52.477	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.960%

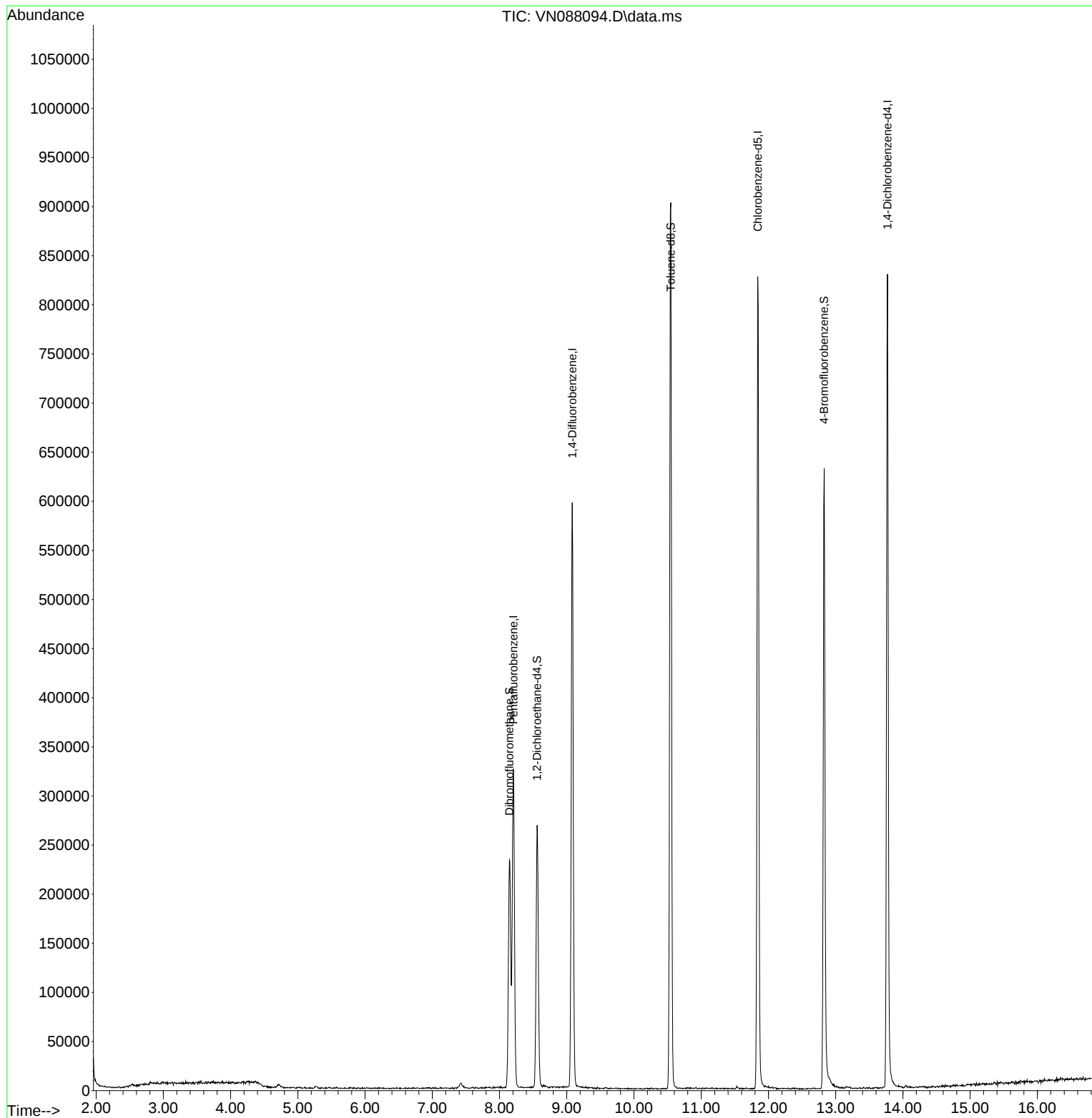
Target Compounds	Qvalue

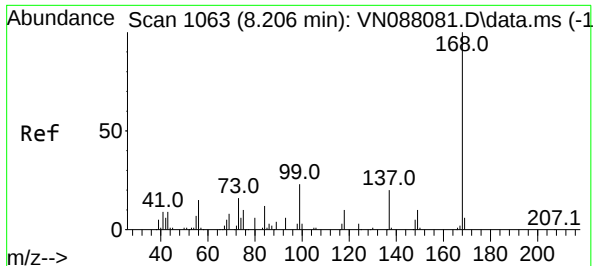
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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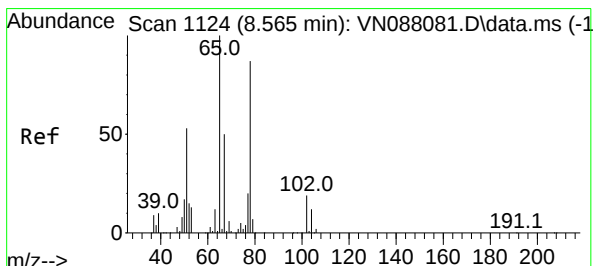
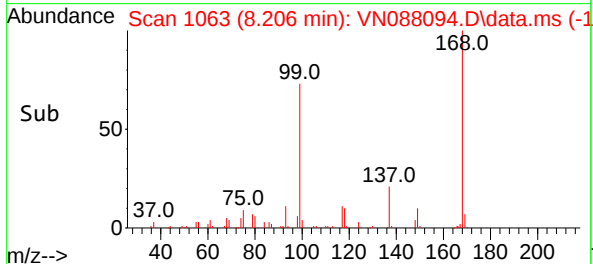
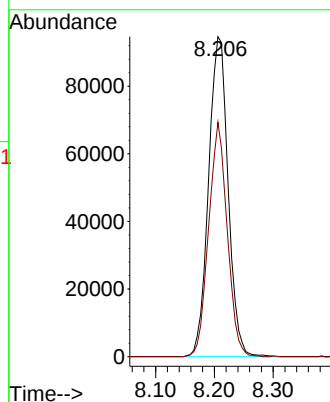
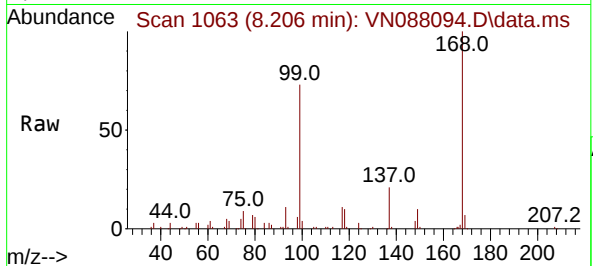




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

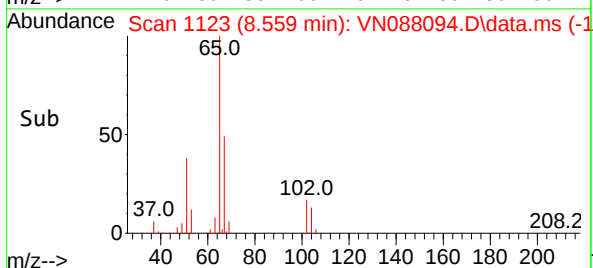
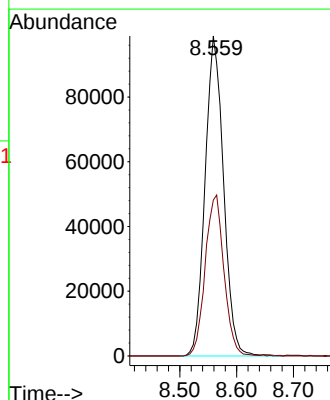
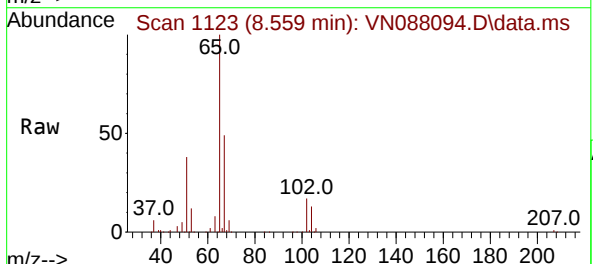
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

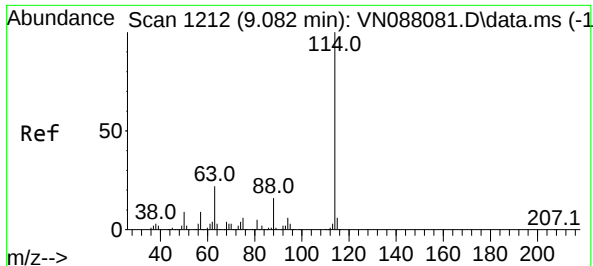
Tgt Ion:168 Resp: 218186
Ion Ratio Lower Upper
168 100
99 73.3 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 58.952 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion: 65 Resp: 222419
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.0

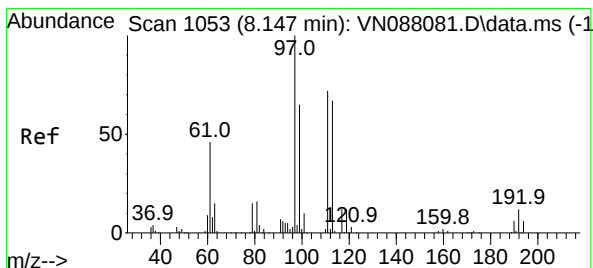
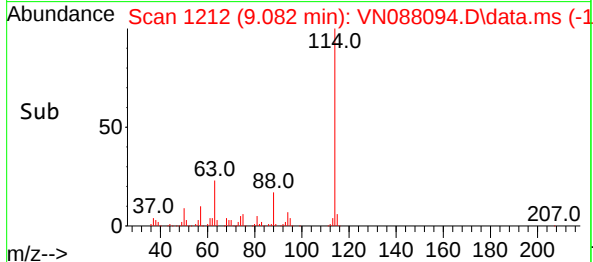
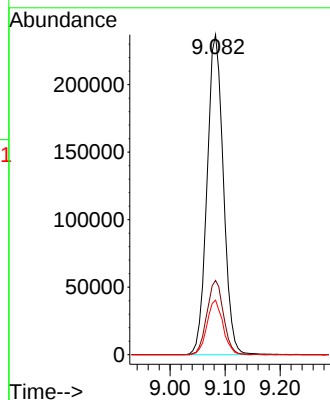
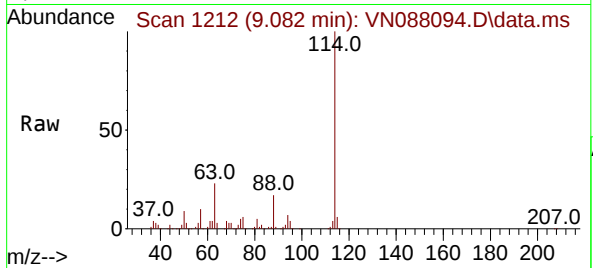




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

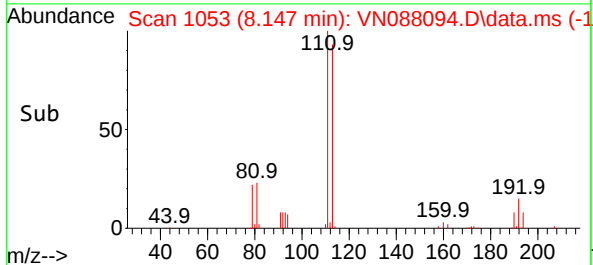
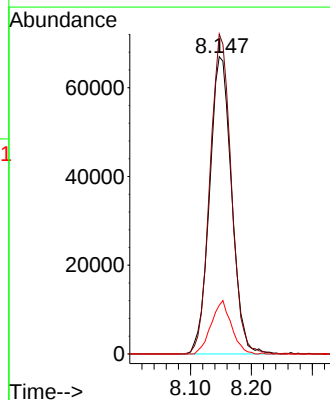
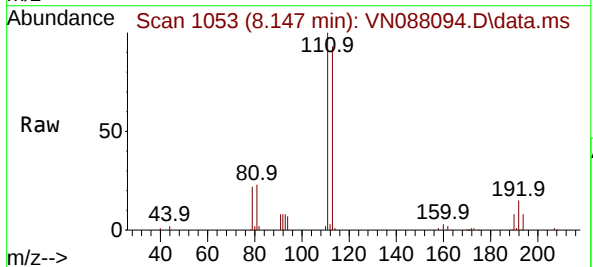
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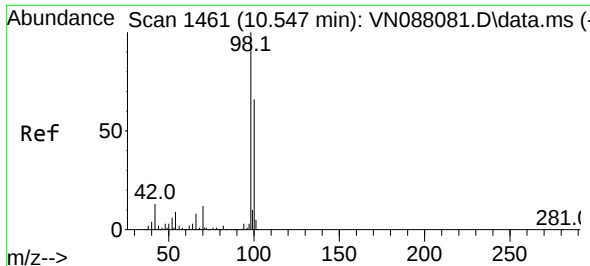
Tgt Ion:	114	Resp:	487721
Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	45.2
88	17.1	0.0	33.4



#35
Dibromofluoromethane
Concen: 51.498 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion:	113	Resp:	168734
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.8	124.2
192	16.4	12.8	19.2

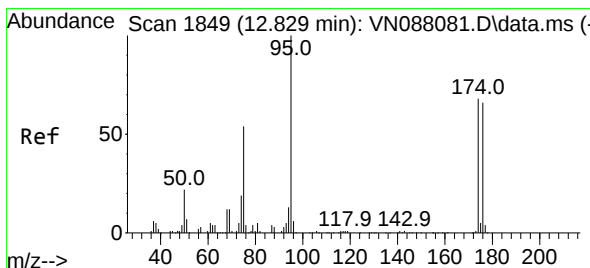
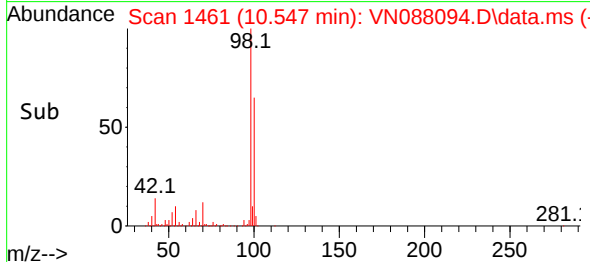
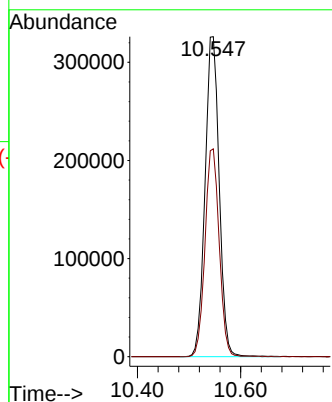
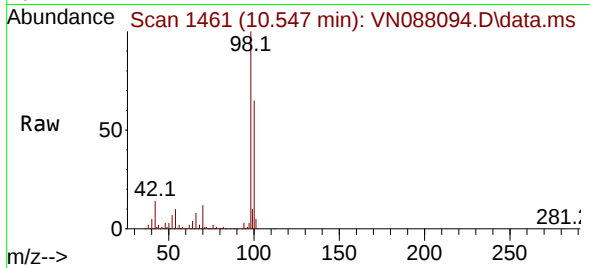




#50
Toluene-d8
Concen: 49.053 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

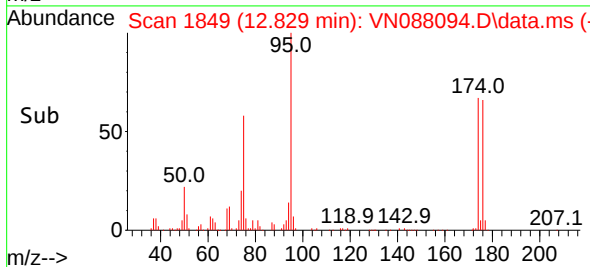
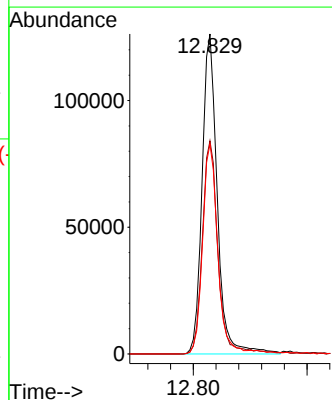
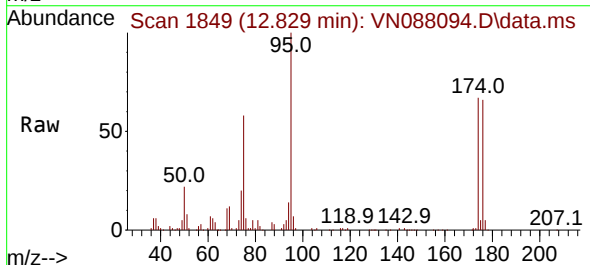
Instrument :
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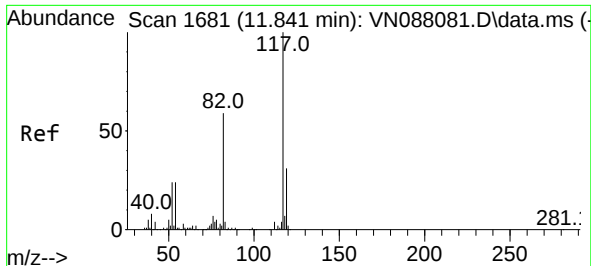
Tgt Ion: 98 Resp: 619295
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.477 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion: 95 Resp: 233978
Ion Ratio Lower Upper
95 100
174 68.1 0.0 138.4
176 64.7 0.0 132.6

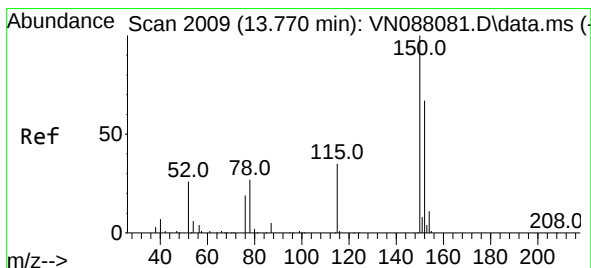
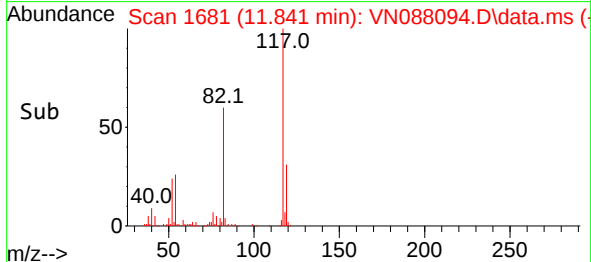
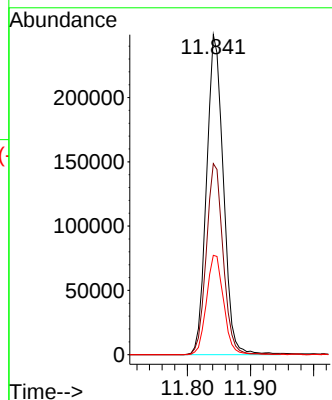
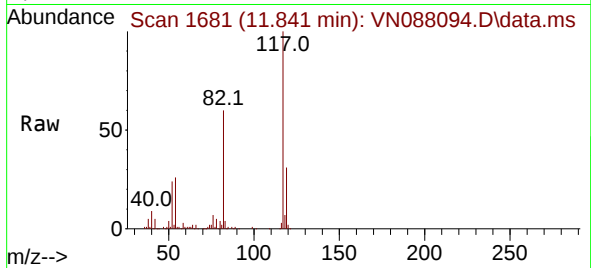




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:117 Resp: 460792
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 31.0 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: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion:152 Resp: 220162
Ion Ratio Lower Upper
152 100
115 64.4 32.3 96.8
150 157.0 0.0 351.0

