

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088099.D
 Acq On : 24 Oct 2025 17:01
 Operator : JC\MD
 Sample : Q3463-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Oct 25 01:08:29 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	212273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	470823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	440380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	218872	59.628	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.260%
35) Dibromofluoromethane	8.153	113	167663	53.007	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.020%
50) Toluene-d8	10.547	98	606966	49.802	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.600%
62) 4-Bromofluorobenzene	12.823	95	223273	51.873	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.740%

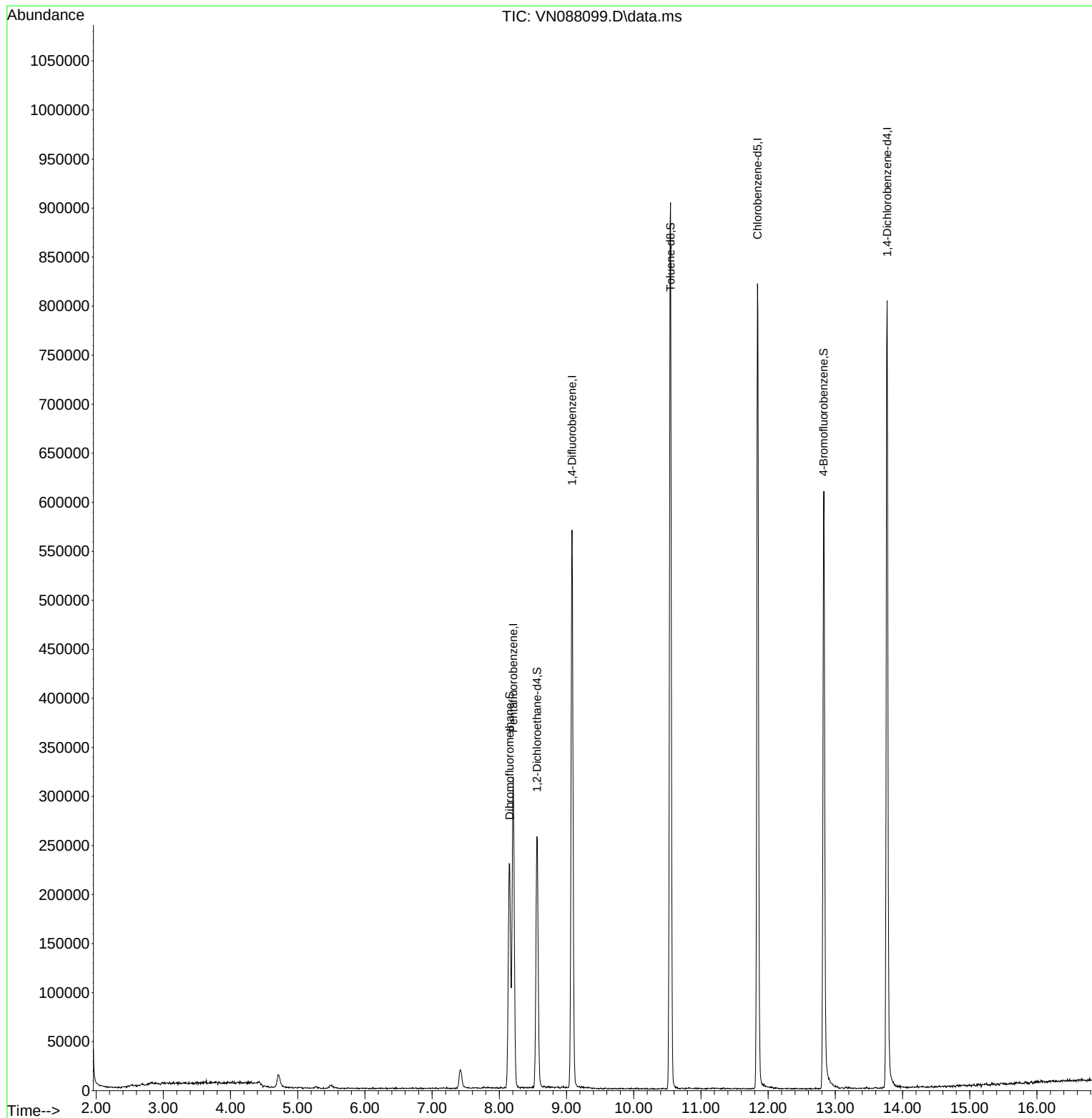
Target Compounds	Qvalue

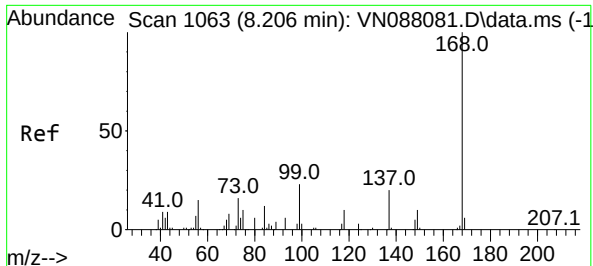
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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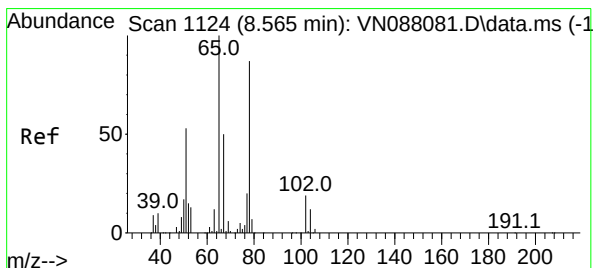
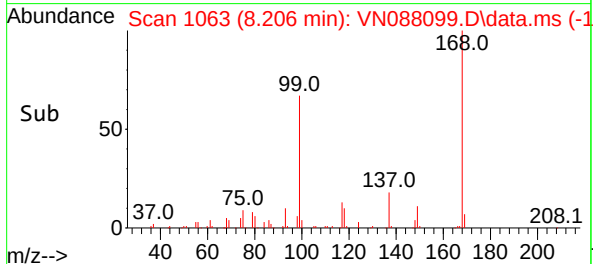
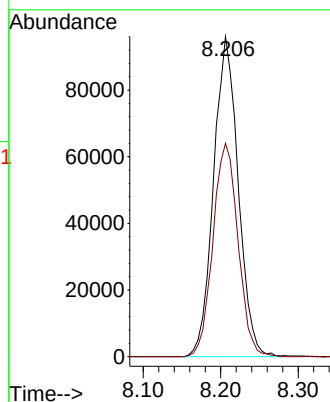
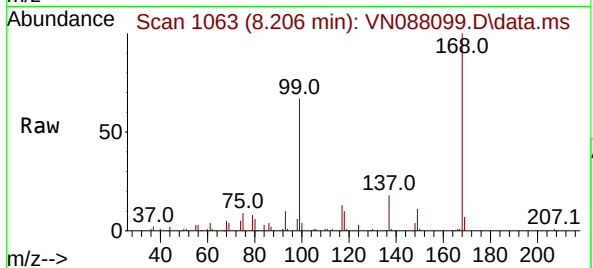




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

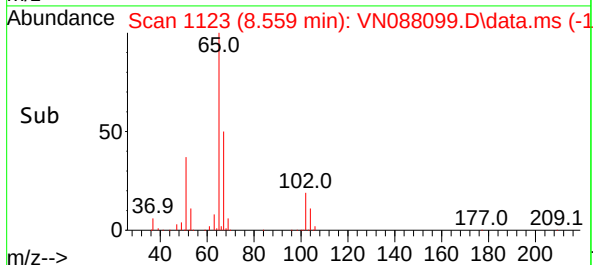
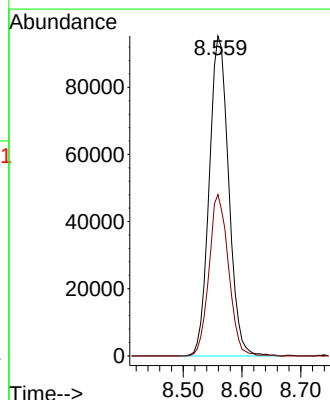
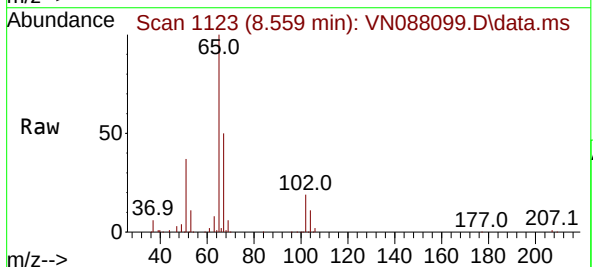
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

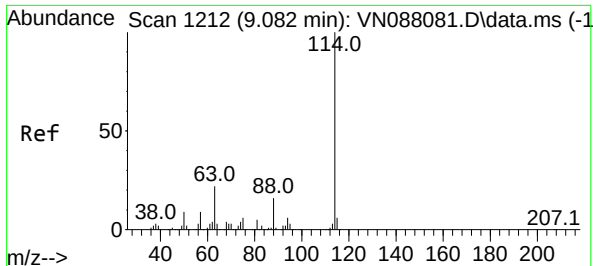
Tgt Ion:168 Resp: 212273
Ion Ratio Lower Upper
168 100
99 66.7 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 59.628 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

Tgt Ion: 65 Resp: 218872
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088099.D

Acq: 24 Oct 2025 17:01

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

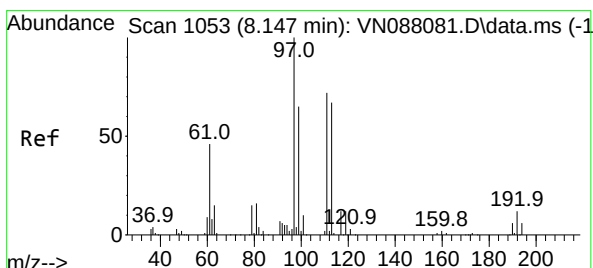
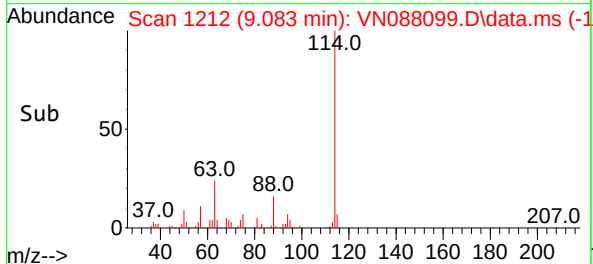
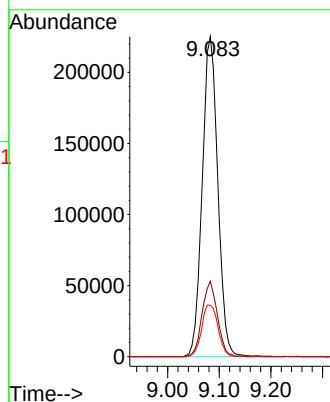
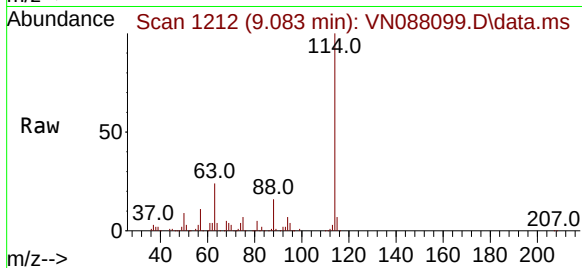
Tgt Ion:114 Resp: 470823

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 53.007 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088099.D

Acq: 24 Oct 2025 17:01

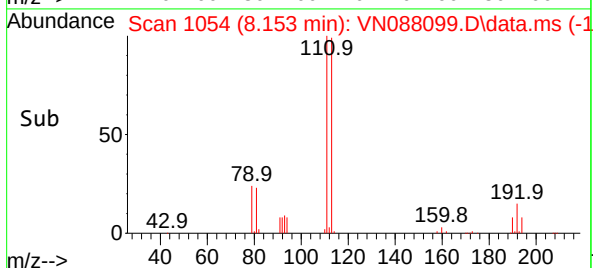
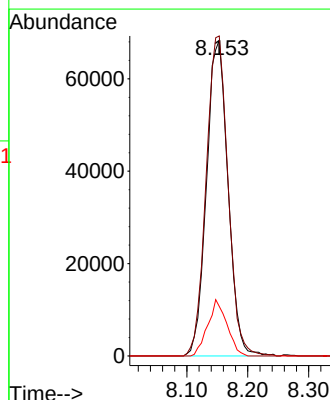
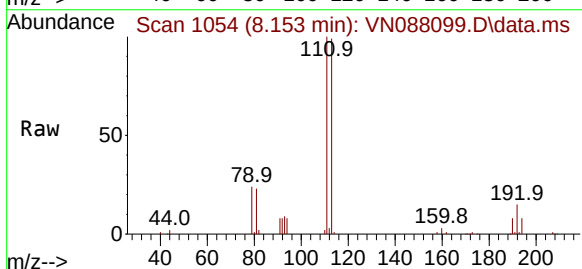
Tgt Ion:113 Resp: 167663

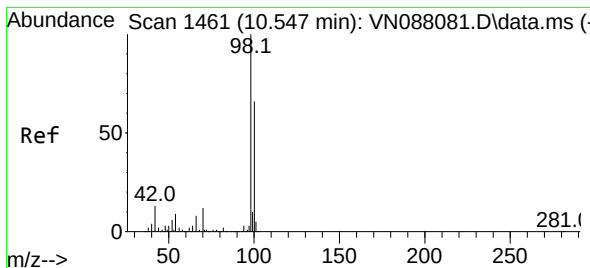
Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 16.0 12.8 19.2

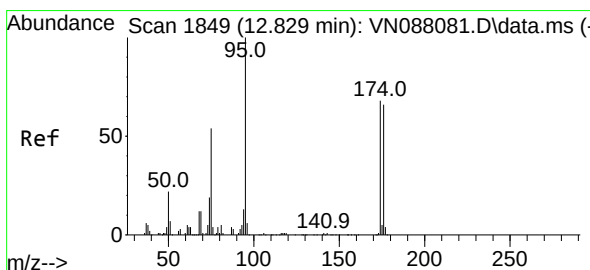
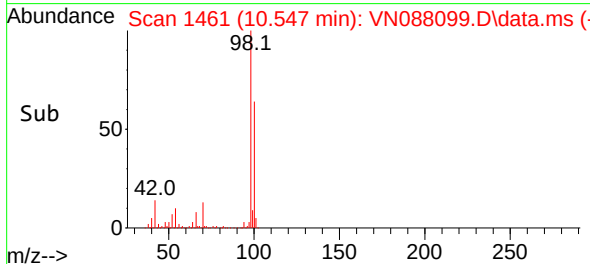
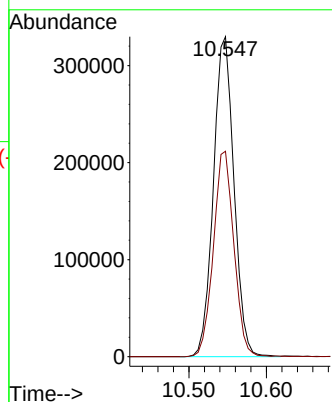
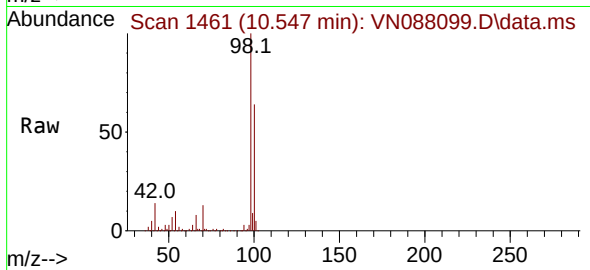




#50
Toluene-d8
Concen: 49.802 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

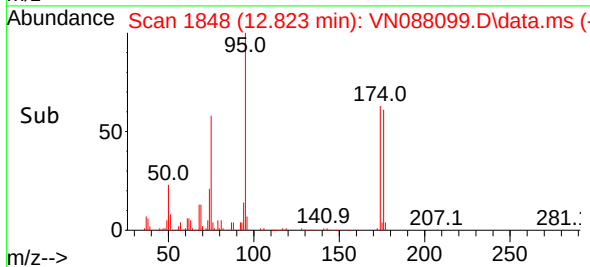
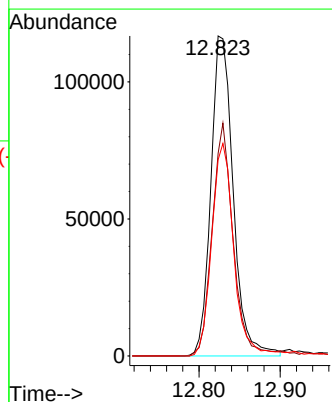
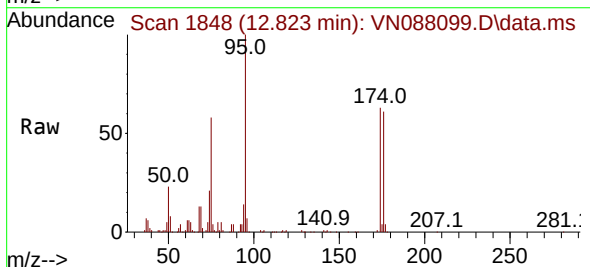
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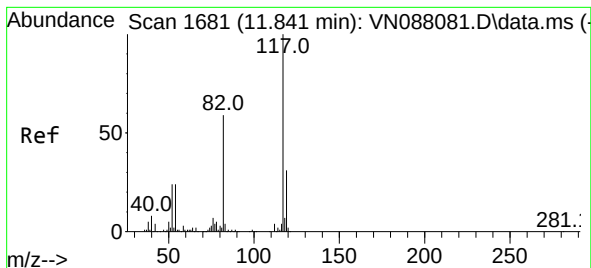
Tgt Ion: 98 Resp: 606966
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 51.873 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

Tgt Ion: 95 Resp: 223273
Ion Ratio Lower Upper
95 100
174 69.1 0.0 138.4
176 65.6 0.0 132.6

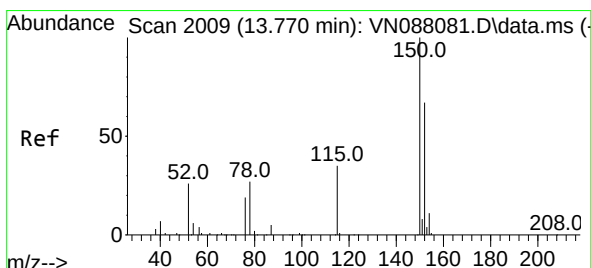
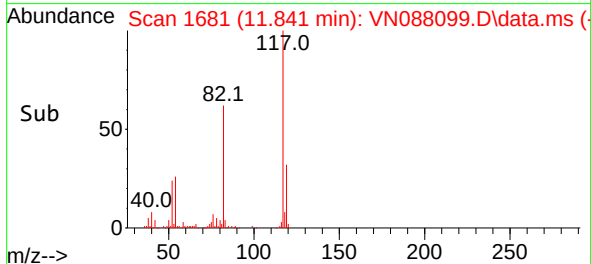
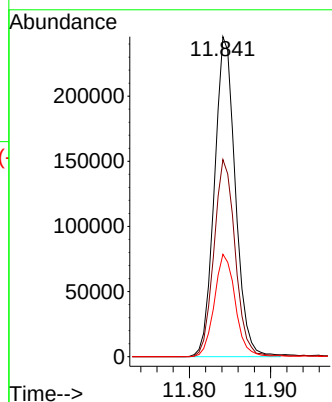
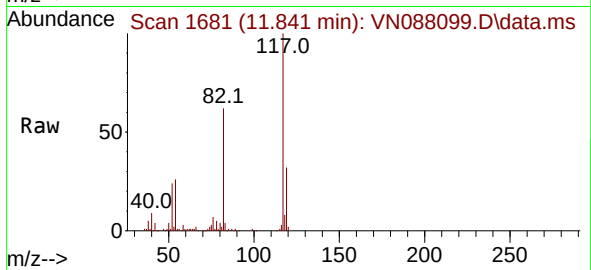




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion:117 Resp: 440380
Ion Ratio Lower Upper
117 100
82 61.6 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: VN088099.D
Acq: 24 Oct 2025 17:01

Tgt Ion:152 Resp: 215469
Ion Ratio Lower Upper
152 100
115 64.9 32.3 96.8
150 157.0 0.0 351.0

