

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088293.D
 Acq On : 17 Nov 2025 11:00
 Operator : JC\MD
 Sample : VN1117MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117MBL01

Quant Time: Nov 18 02:55:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	168354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	386970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	373795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	181337	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	181220	62.249	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	124.500%
35) Dibromofluoromethane	8.147	113	139547	53.678	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.360%
50) Toluene-d8	10.547	98	494739	49.390	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.780%
62) 4-Bromofluorobenzene	12.829	95	179641	50.780	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.560%

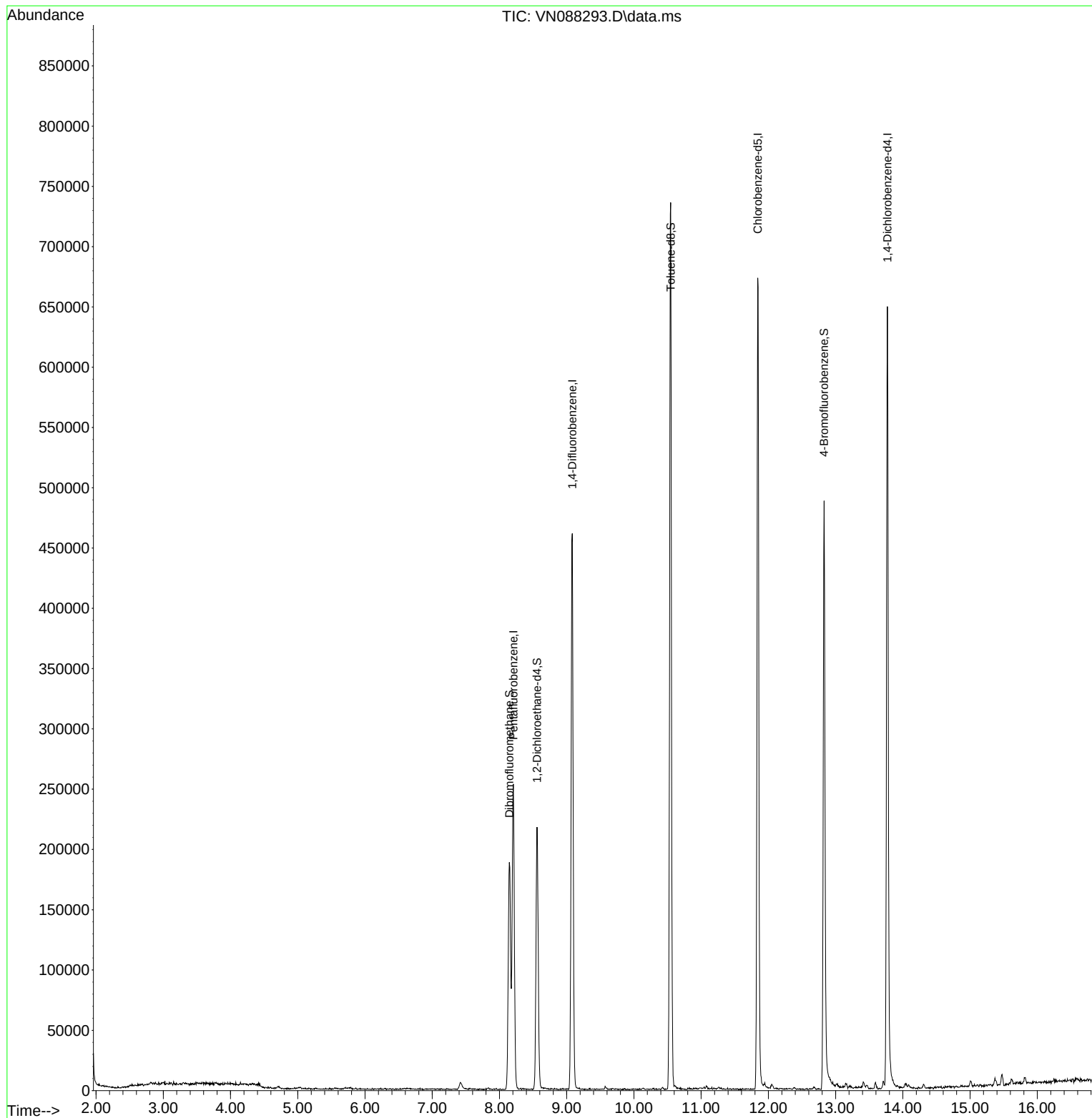
Target Compounds	Qvalue

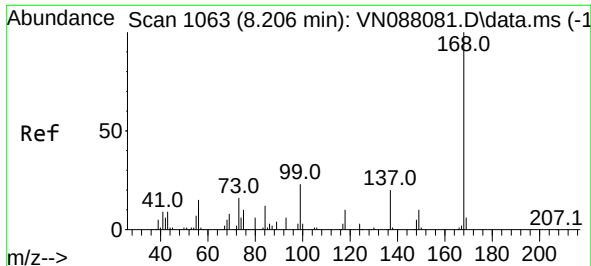
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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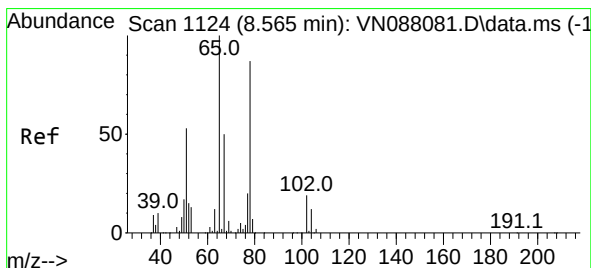
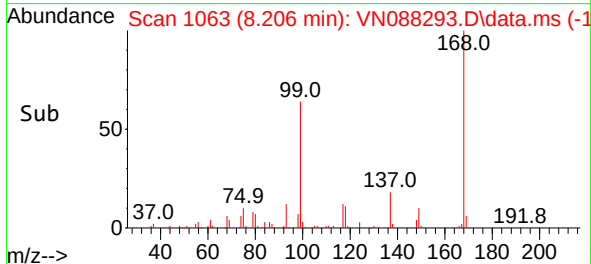
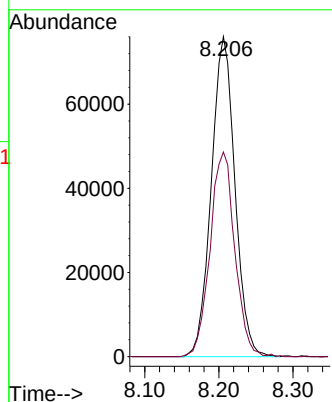
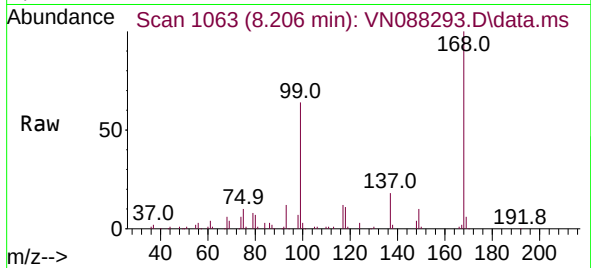




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088293.D
Acq: 17 Nov 2025 11:00

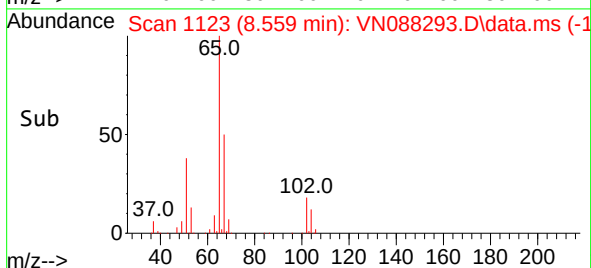
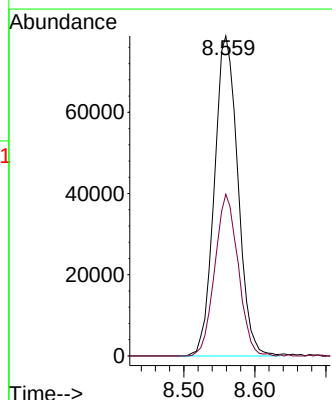
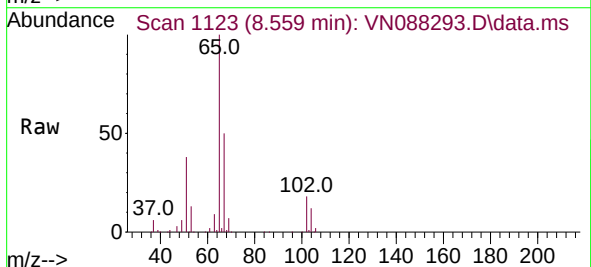
Instrument :
MSVOA_N
ClientSampleId :
VN1117MBL01

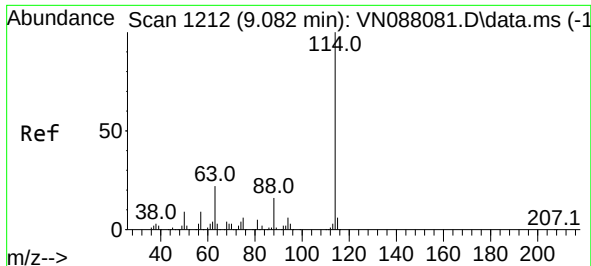
Tgt Ion:168 Resp: 168354
Ion Ratio Lower Upper
168 100
99 63.9 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 62.249 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088293.D
Acq: 17 Nov 2025 11:00

Tgt Ion: 65 Resp: 181220
Ion Ratio Lower Upper
65 100
67 50.2 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: VN088293.D

Acq: 17 Nov 2025 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN1117MBL01

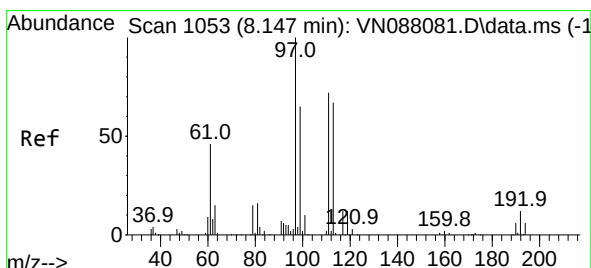
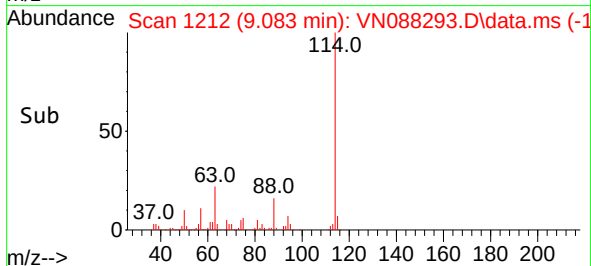
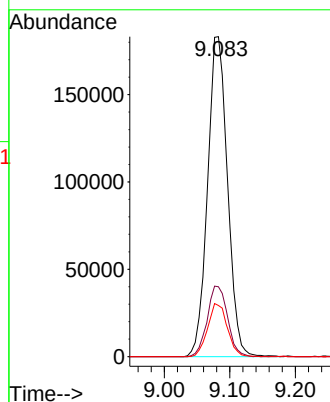
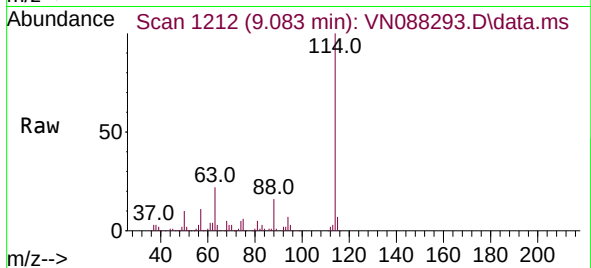
Tgt Ion:114 Resp: 386970

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.2

88 16.0 0.0 33.4



#35

Dibromofluoromethane

Concen: 53.678 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088293.D

Acq: 17 Nov 2025 11:00

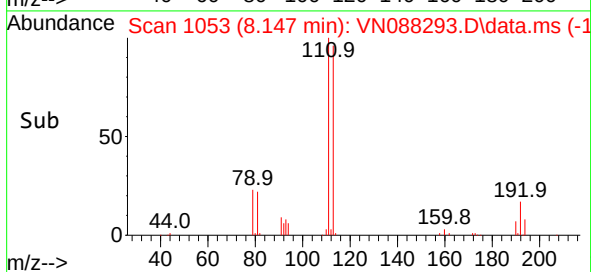
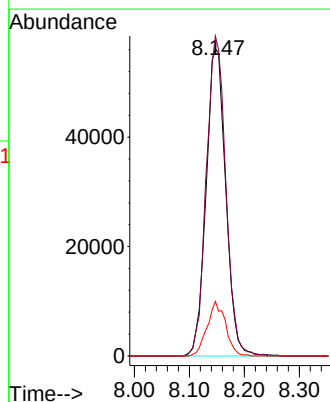
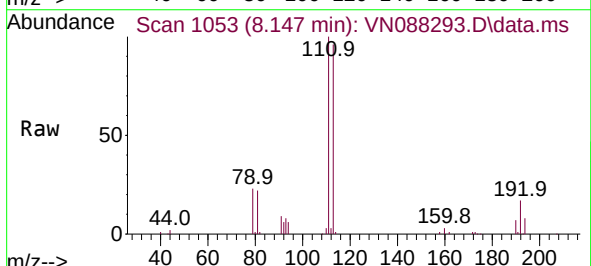
Tgt Ion:113 Resp: 139547

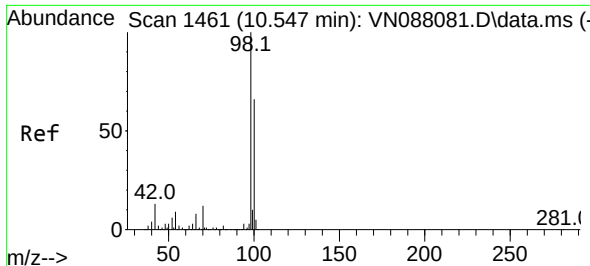
Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 16.6 12.8 19.2

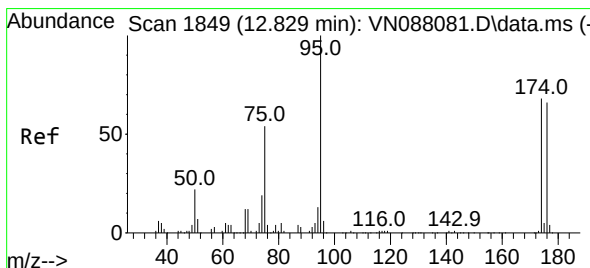
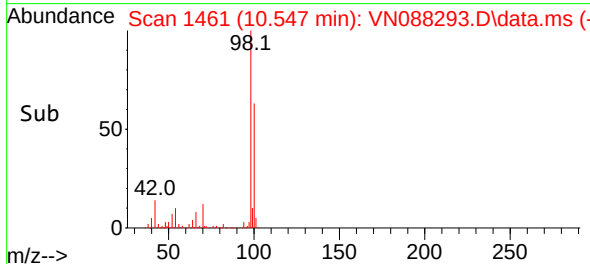
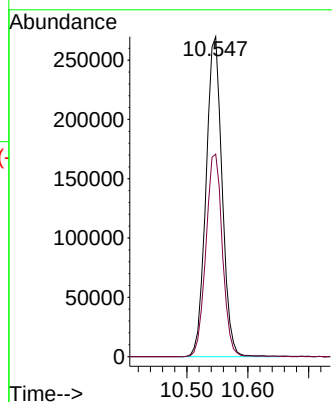
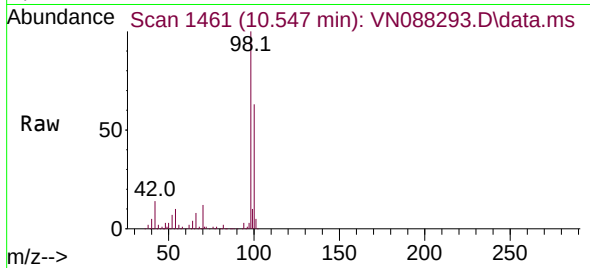




#50
Toluene-d8
Concen: 49.390 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088293.D
Acq: 17 Nov 2025 11:00

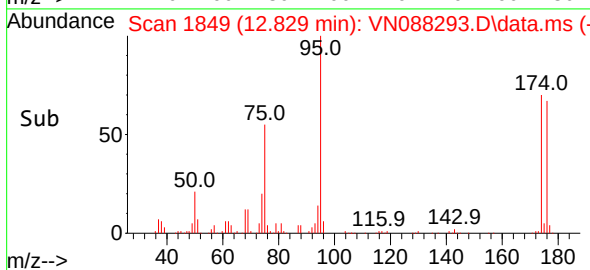
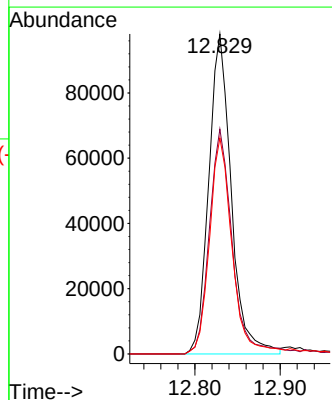
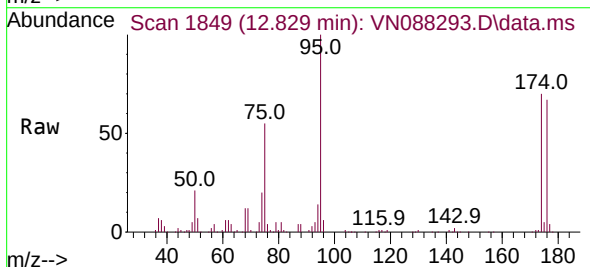
Instrument :
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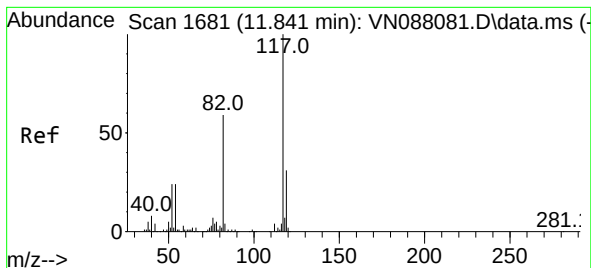
Tgt Ion: 98 Resp: 494739
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 50.780 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088293.D
Acq: 17 Nov 2025 11:00

Tgt Ion: 95 Resp: 179641
Ion Ratio Lower Upper
95 100
174 71.6 0.0 138.4
176 67.5 0.0 132.6

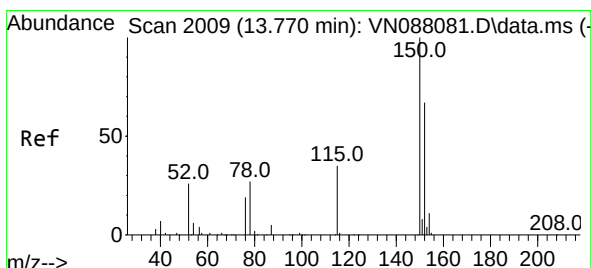
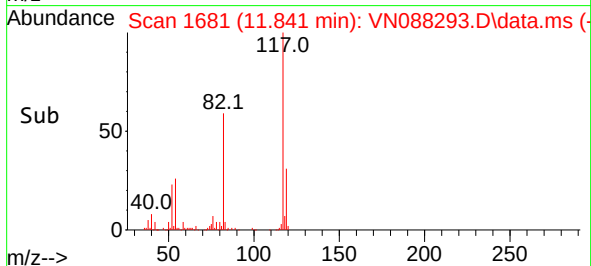
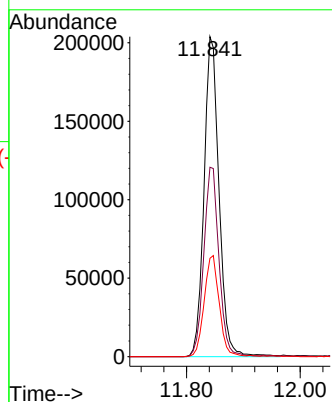
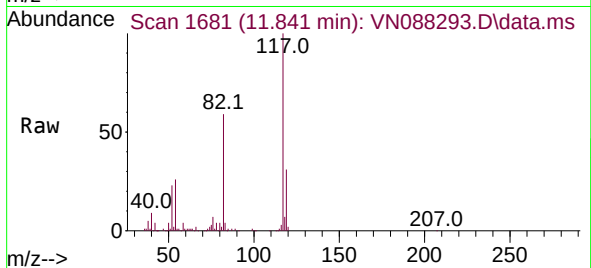




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088293.D
Acq: 17 Nov 2025 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1117MBL01

Tgt Ion:117 Resp: 373795
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 30.7 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: VN088293.D
Acq: 17 Nov 2025 11:00

Tgt Ion:152 Resp: 181337
Ion Ratio Lower Upper
152 100
115 63.1 32.3 96.8
150 153.3 0.0 351.0

