

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088193.D
 Acq On : 31 Oct 2025 16:46
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 01 00:37:42 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	264276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	598834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	577940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	282587	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	267536	58.543	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.080%
35) Dibromofluoromethane	8.147	113	201439	50.072	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.140%
50) Toluene-d8	10.541	98	768885	49.601	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.200%
62) 4-Bromofluorobenzene	12.829	95	315493	57.630	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	115.260%

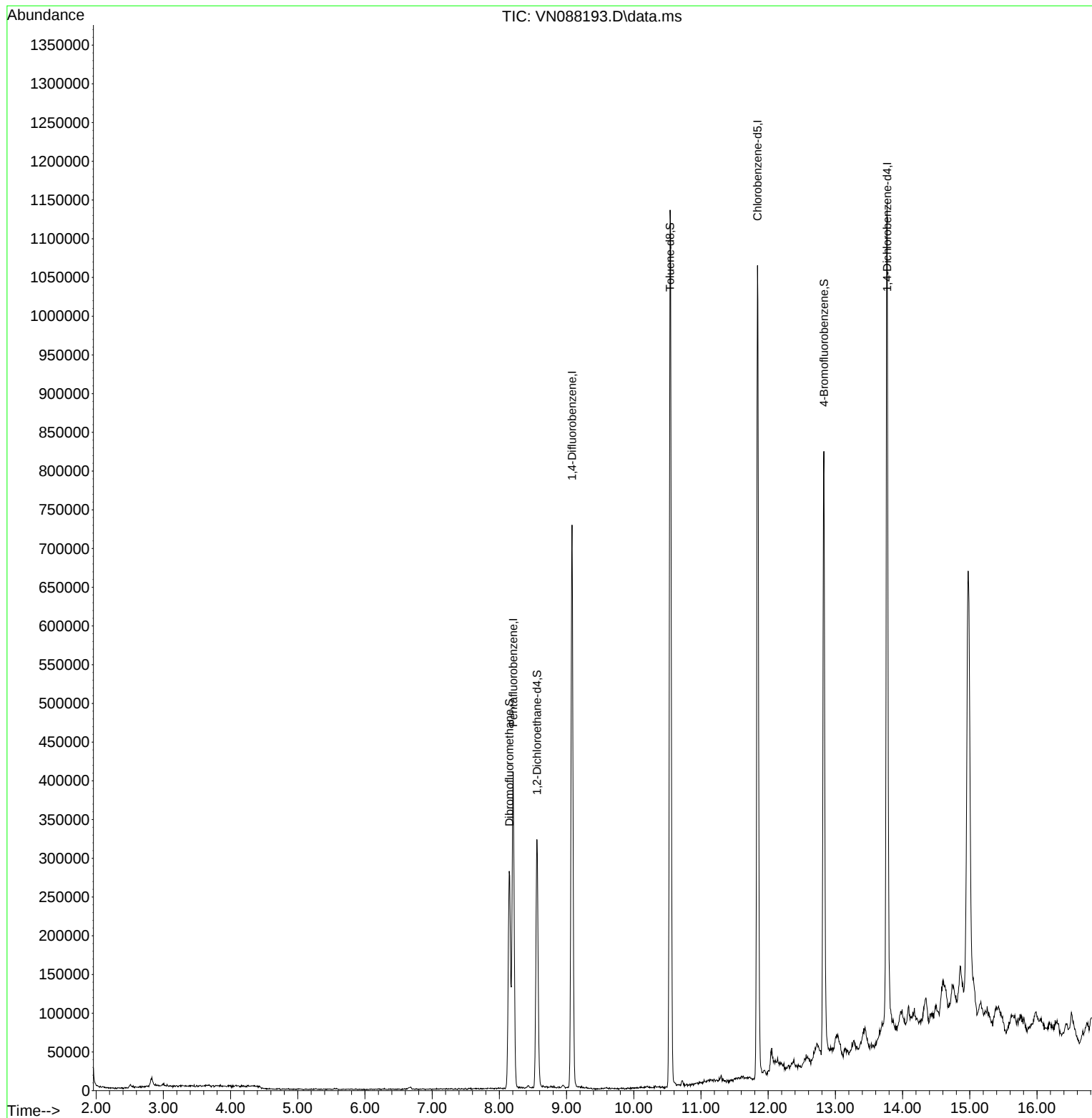
Target Compounds	Qvalue

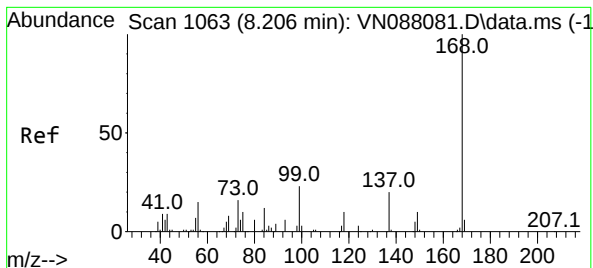
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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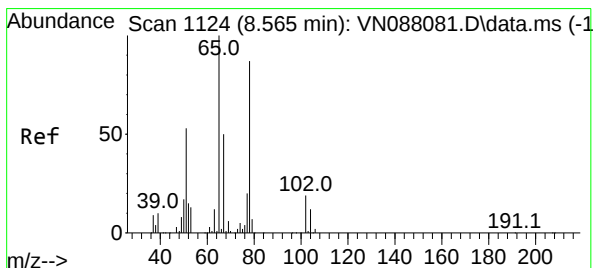
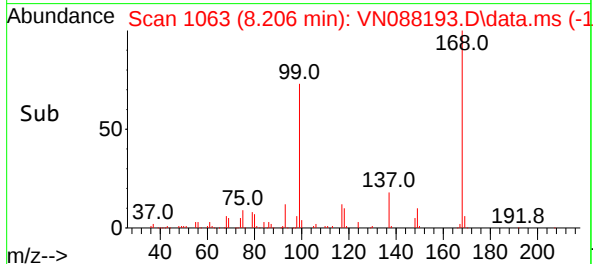
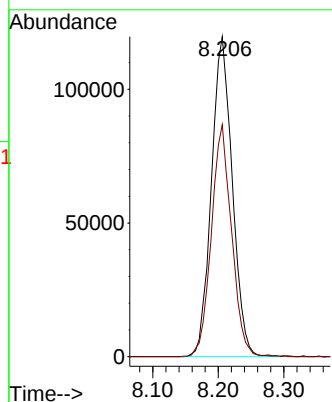
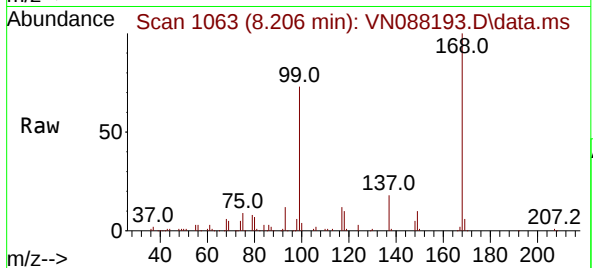




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088193.D
Acq: 31 Oct 2025 16:46

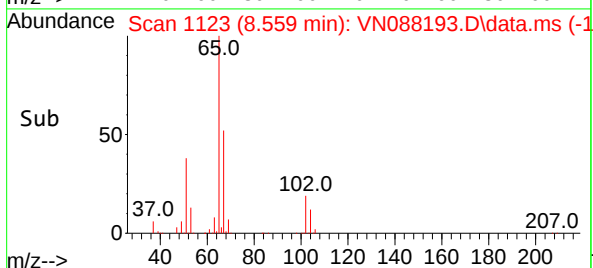
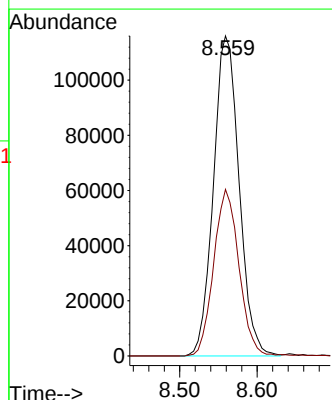
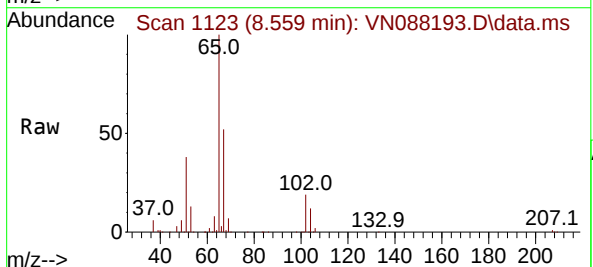
Instrument :
MSVOA_N
ClientSampleId :
IBLK

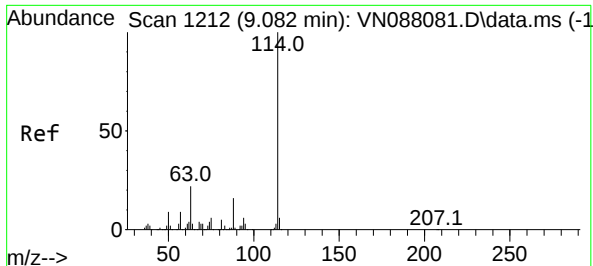
Tgt Ion:168 Resp: 264276
Ion Ratio Lower Upper
168 100
99 72.5 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 58.543 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088193.D
Acq: 31 Oct 2025 16:46

Tgt Ion: 65 Resp: 267536
Ion Ratio Lower Upper
65 100
67 51.3 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: VN088193.D

Acq: 31 Oct 2025 16:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

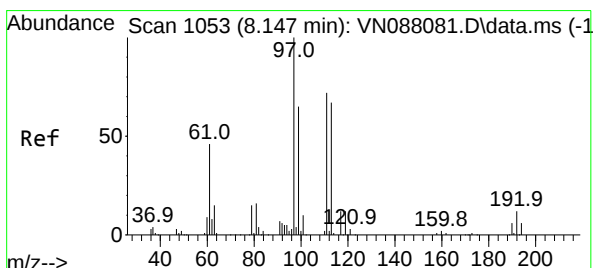
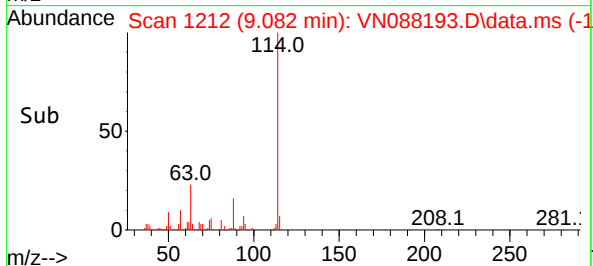
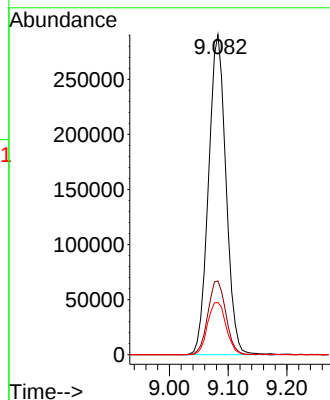
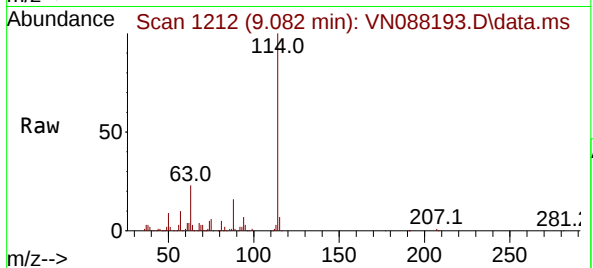
Tgt Ion:114 Resp: 598834

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

88 16.3 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.072 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088193.D

Acq: 31 Oct 2025 16:46

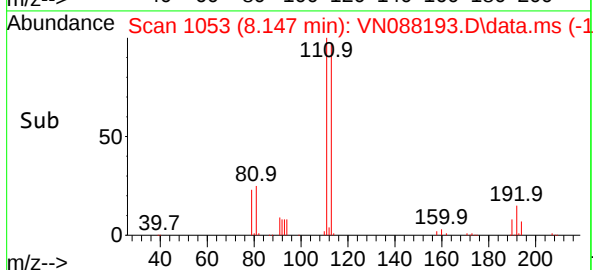
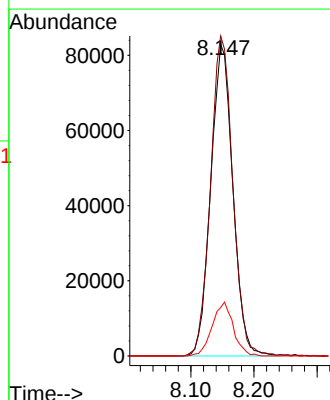
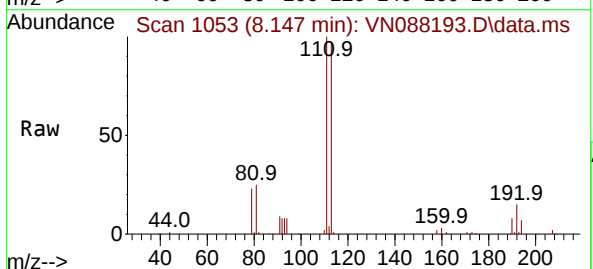
Tgt Ion:113 Resp: 201439

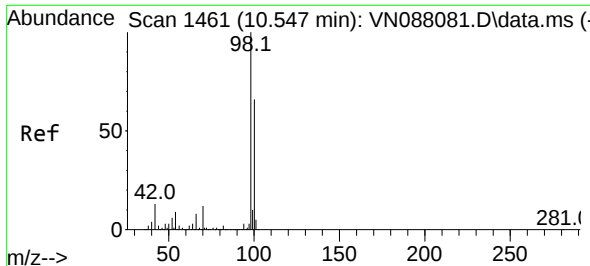
Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 16.5 12.8 19.2

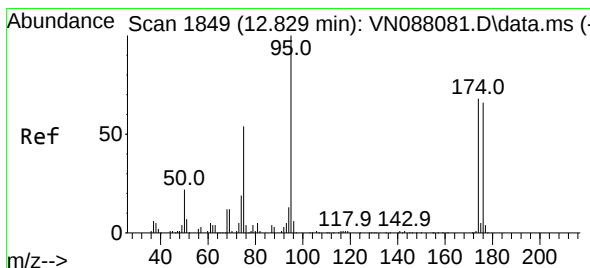
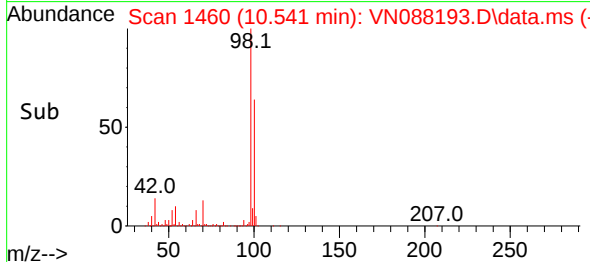
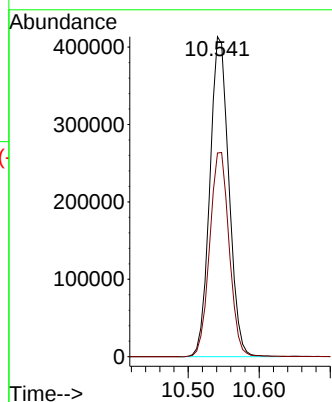
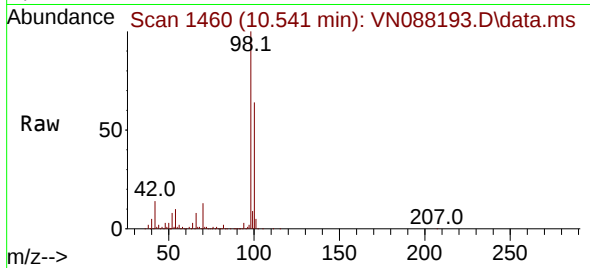




#50
Toluene-d8
Concen: 49.601 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088193.D
Acq: 31 Oct 2025 16:46

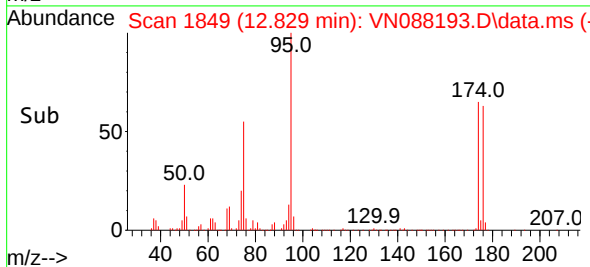
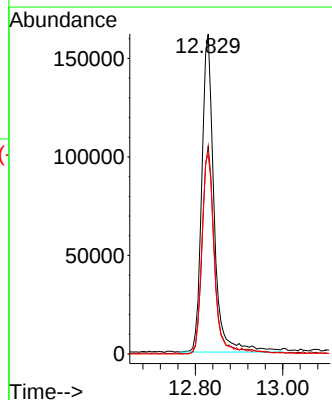
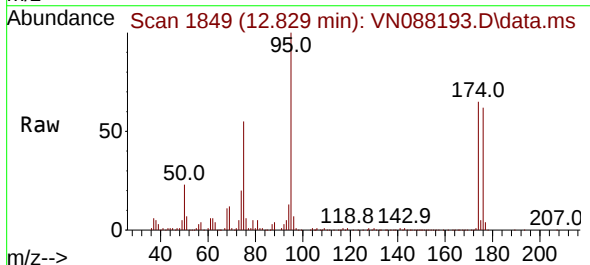
Instrument :
MSVOA_N
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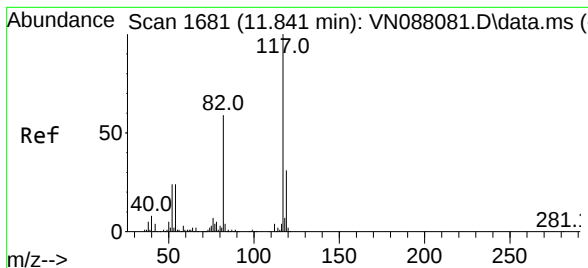
Tgt Ion: 98 Resp: 768885
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 57.630 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088193.D
Acq: 31 Oct 2025 16:46

Tgt Ion: 95 Resp: 315493
Ion Ratio Lower Upper
95 100
174 63.9 0.0 138.4
176 65.1 0.0 132.6

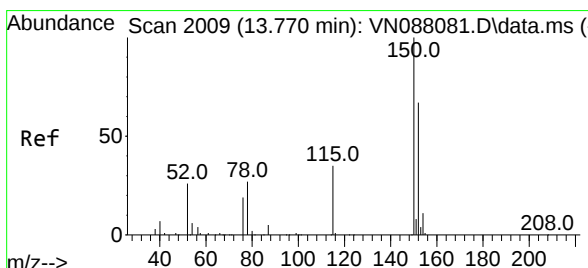
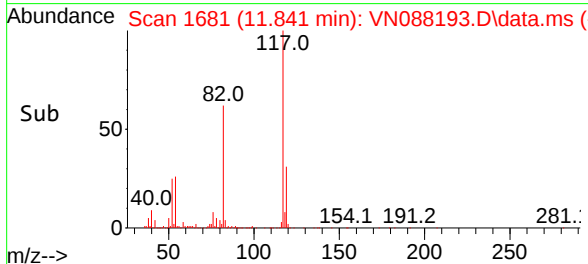
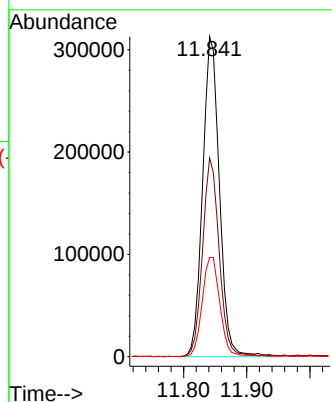
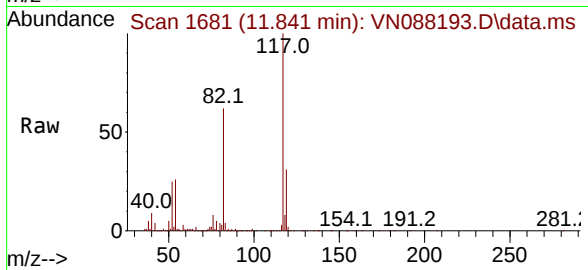




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088193.D
Acq: 31 Oct 2025 16:46

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 577940
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.2
119 30.9 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: VN088193.D
Acq: 31 Oct 2025 16:46

Tgt Ion:152 Resp: 282587
Ion Ratio Lower Upper
152 100
115 65.9 32.3 96.8
150 158.1 0.0 351.0

