

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
 Data File : VN087700.D
 Acq On : 29 Aug 2025 15:31
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 29 22:56:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	156659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	364586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	352328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	175083	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	174717	54.433	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.860%
35) Dibromofluoromethane	8.147	113	132325	50.270	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.540%
50) Toluene-d8	10.547	98	474503	48.162	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.320%
62) 4-Bromofluorobenzene	12.829	95	175410	50.063	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.120%

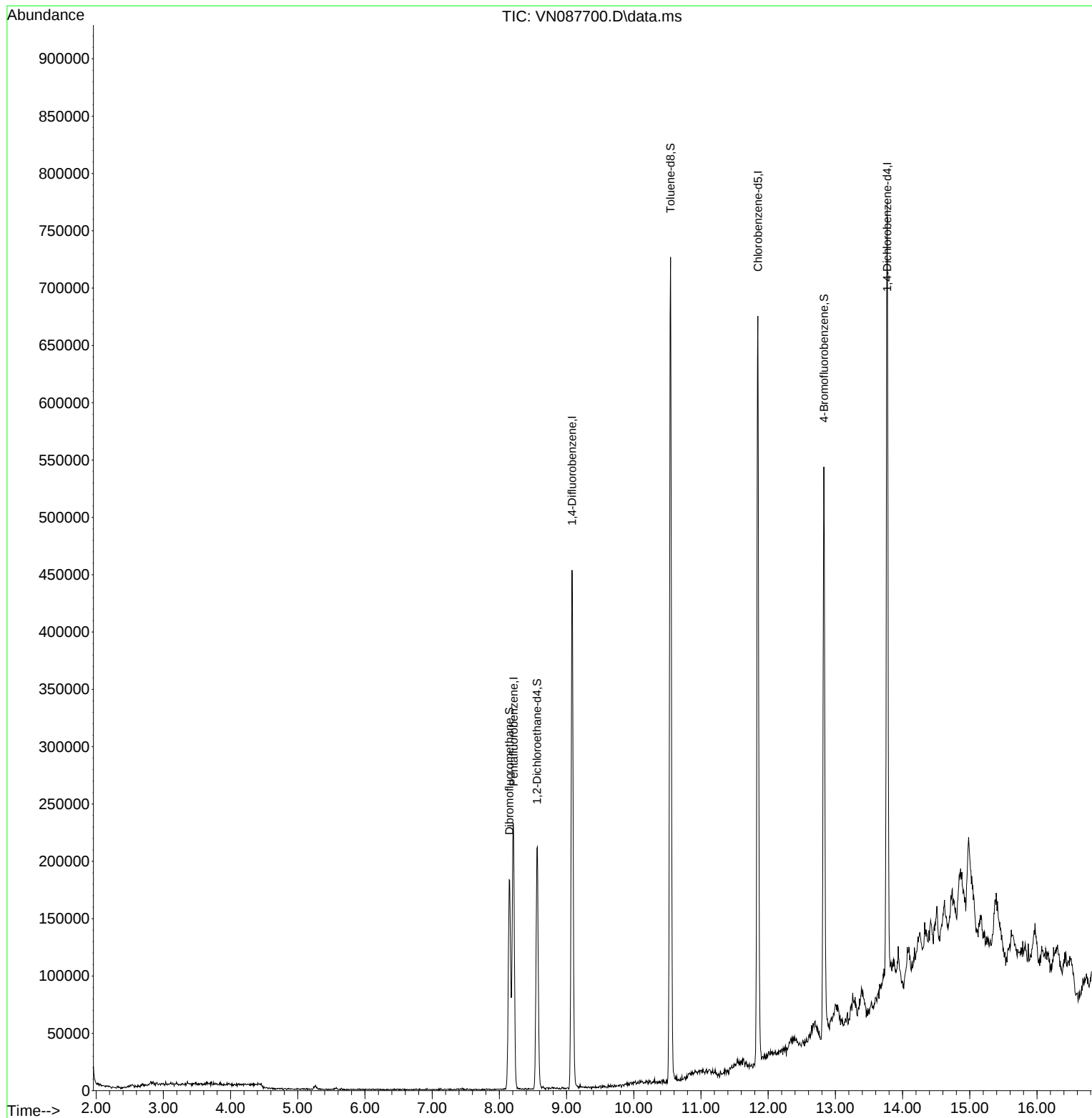
Target Compounds	Qvalue

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

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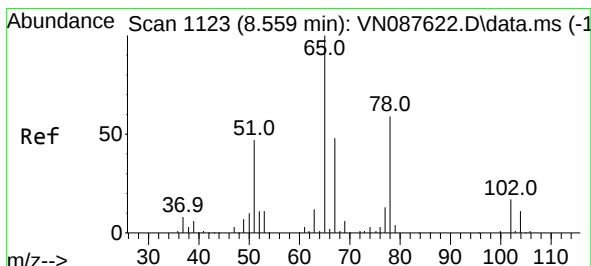
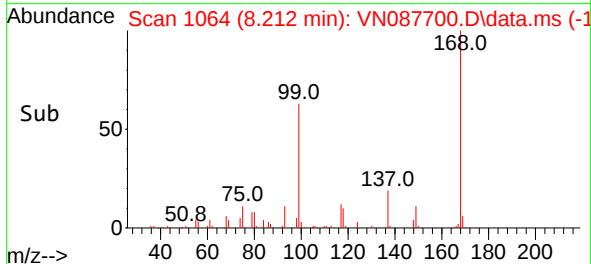
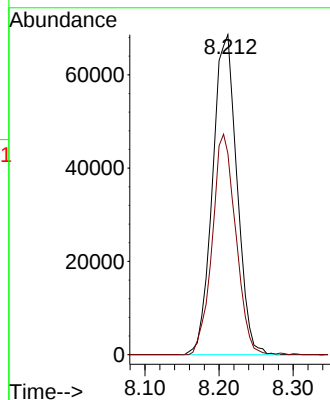
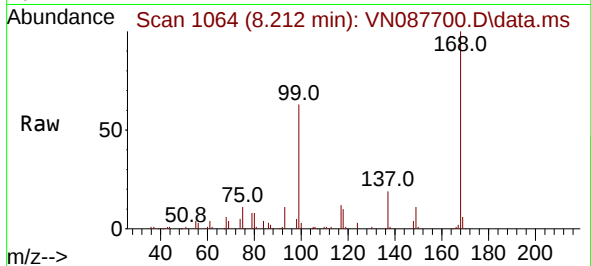




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

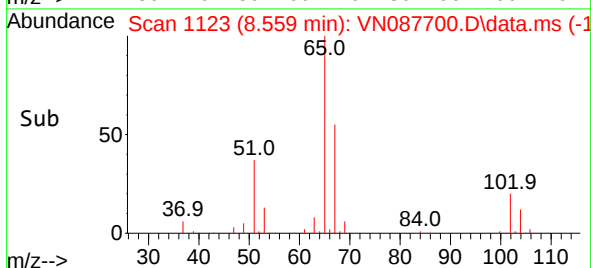
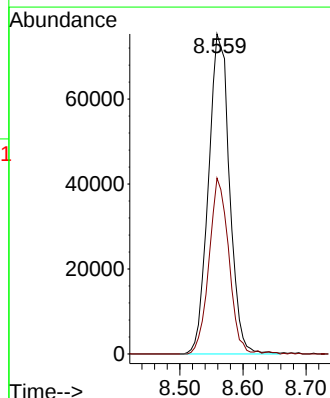
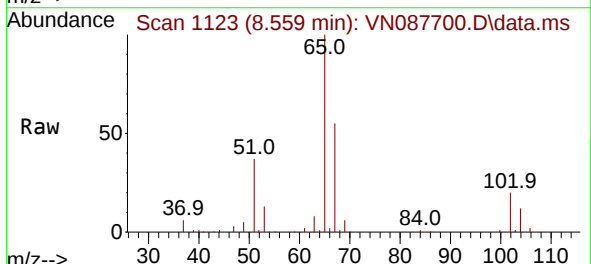
Instrument :
MSVOA_N
ClientSampleId :
IBLK

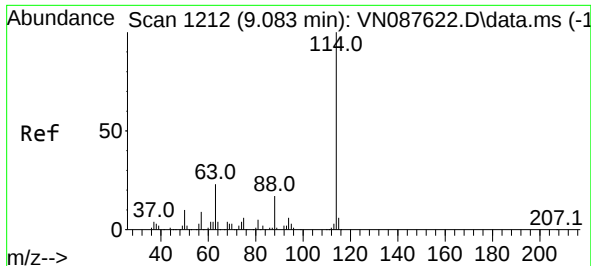
Tgt Ion:168 Resp: 156659
Ion Ratio Lower Upper
168 100
99 62.9 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 54.433 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

Tgt Ion: 65 Resp: 174717
Ion Ratio Lower Upper
65 100
67 51.4 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: VN087700.D

Acq: 29 Aug 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

IBLK

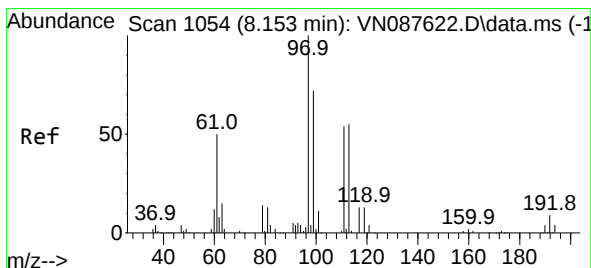
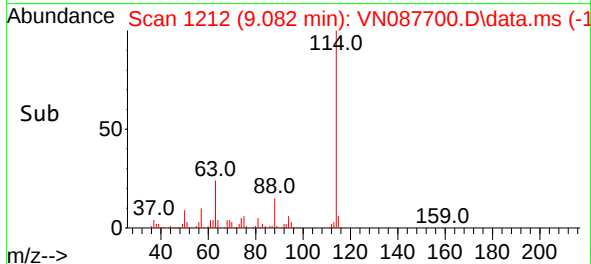
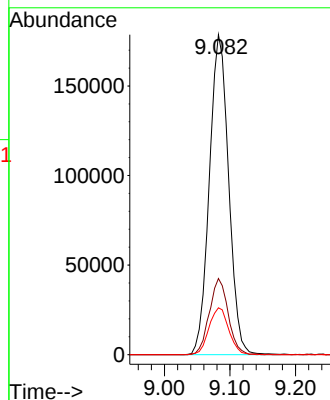
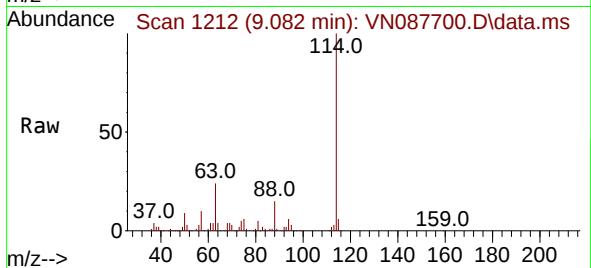
Tgt Ion:114 Resp: 364586

Ion Ratio Lower Upper

114 100

63 23.8 0.0 45.2

88 14.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.270 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087700.D

Acq: 29 Aug 2025 15:31

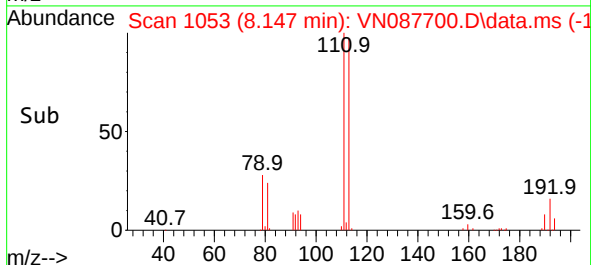
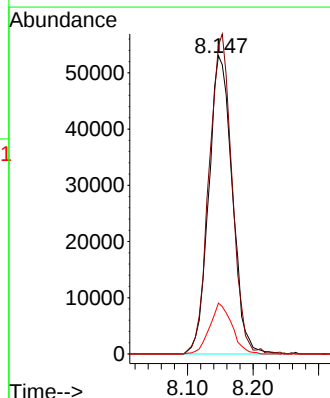
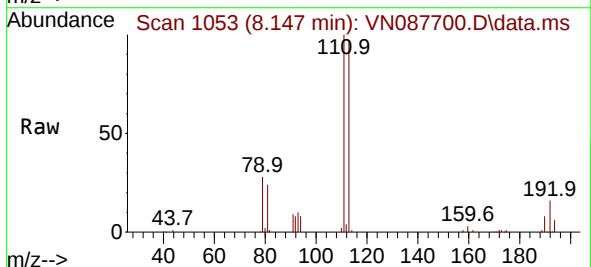
Tgt Ion:113 Resp: 132325

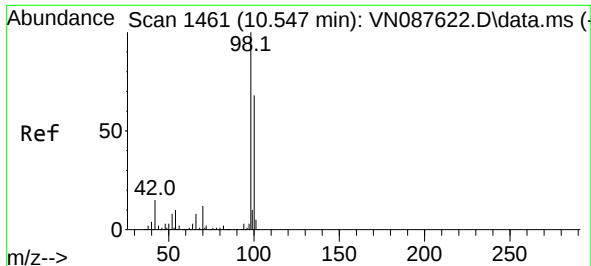
Ion Ratio Lower Upper

113 100

111 104.4 82.8 124.2

192 16.1 12.8 19.2

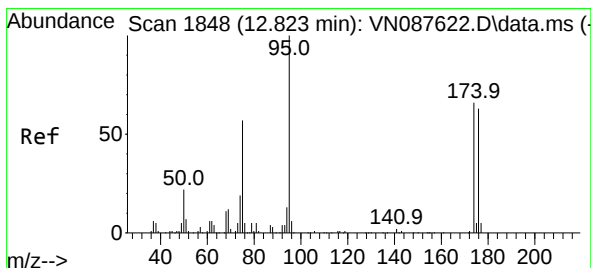
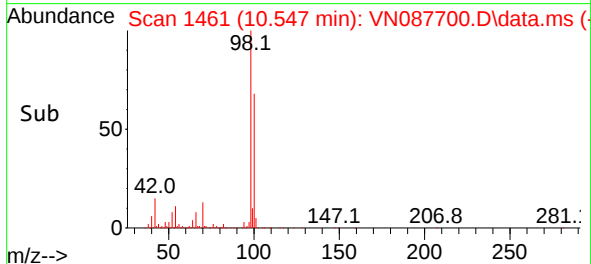
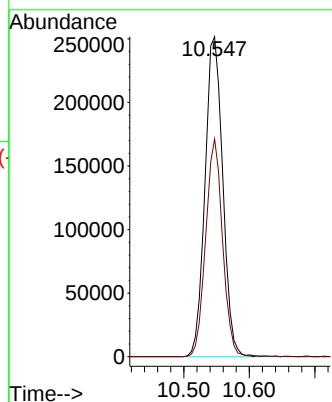
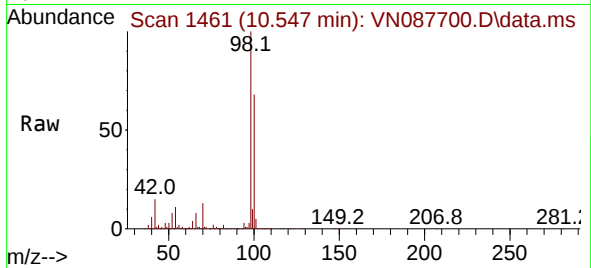




#50
Toluene-d8
Concen: 48.162 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

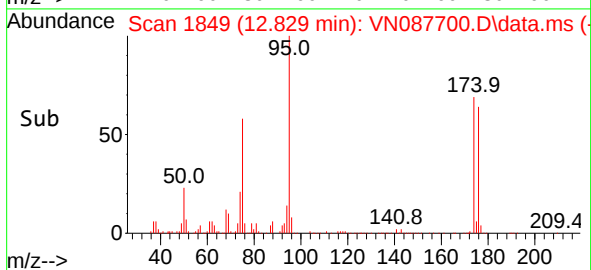
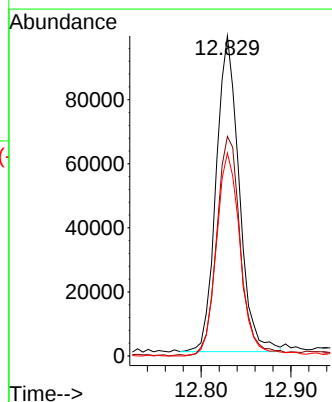
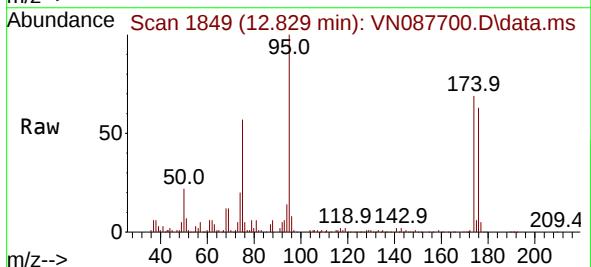
Instrument :
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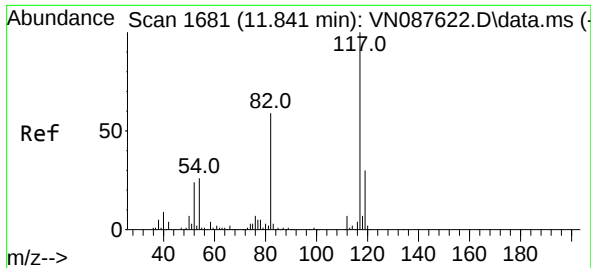
Tgt Ion: 98 Resp: 474503
Ion Ratio Lower Upper
98 100
100 64.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 50.063 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

Tgt Ion: 95 Resp: 175410
Ion Ratio Lower Upper
95 100
174 71.7 0.0 138.4
176 67.6 0.0 132.6

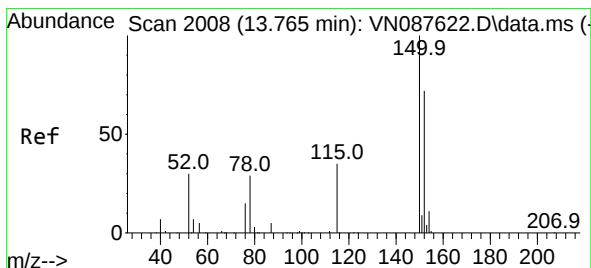
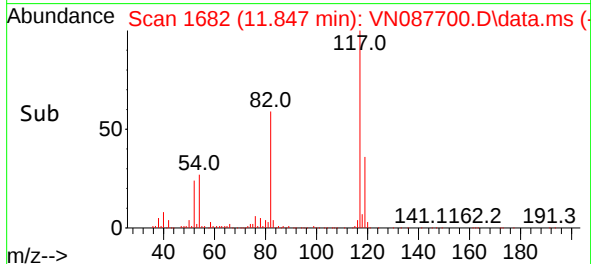
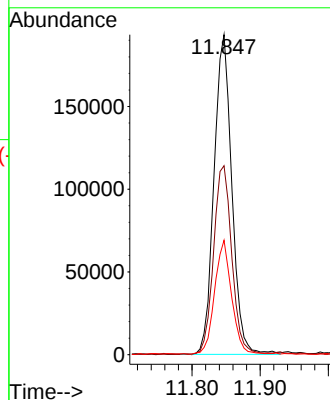
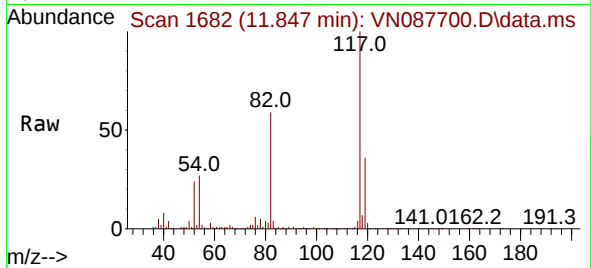




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 352328
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 35.6 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: VN087700.D
Acq: 29 Aug 2025 15:31

Tgt Ion:152 Resp: 175083
Ion Ratio Lower Upper
152 100
115 67.0 32.3 96.8
150 160.4 0.0 351.0

