

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
 Data File : VN088024.D
 Acq On : 03 Oct 2025 15:34
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 04 02:58:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	274080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	611661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	576710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	281116	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	250385	54.283	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.560%
35) Dibromofluoromethane	8.147	113	217084	48.882	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.760%
50) Toluene-d8	10.547	98	763453	48.885	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.780%
62) 4-Bromofluorobenzene	12.829	95	265393	47.542	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.080%

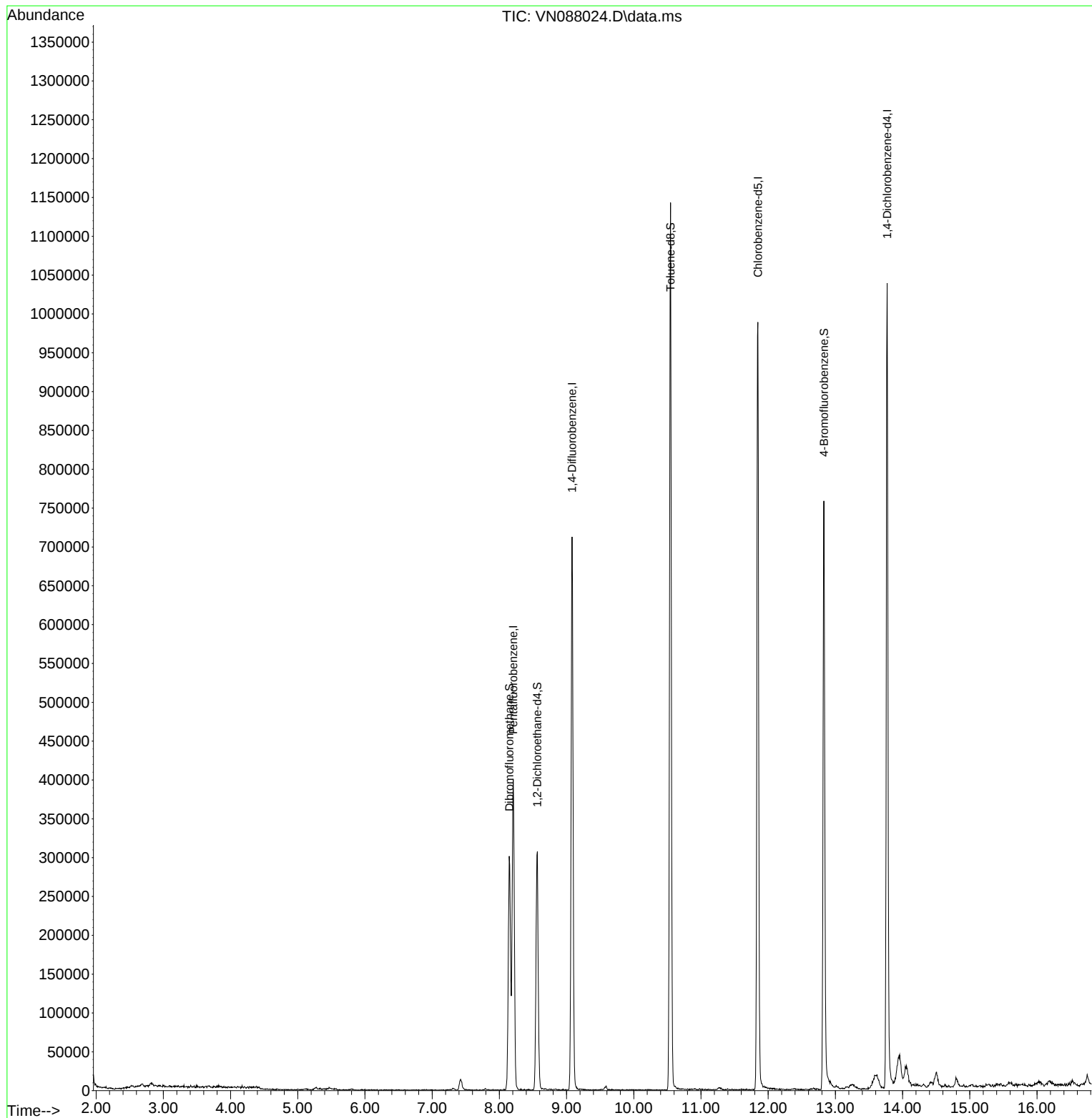
Target Compounds	Qvalue

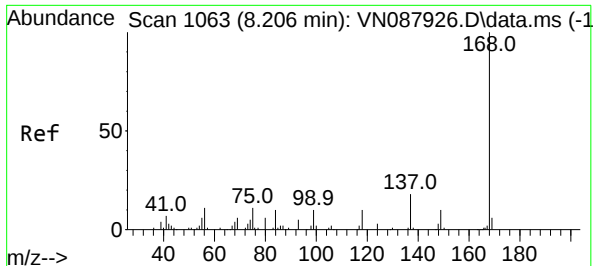
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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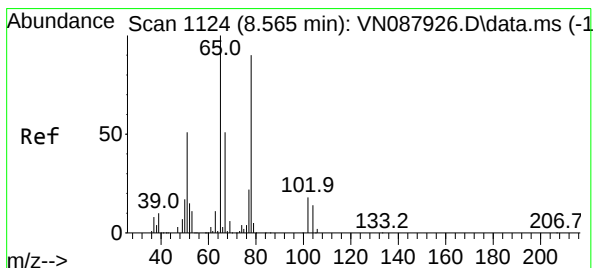
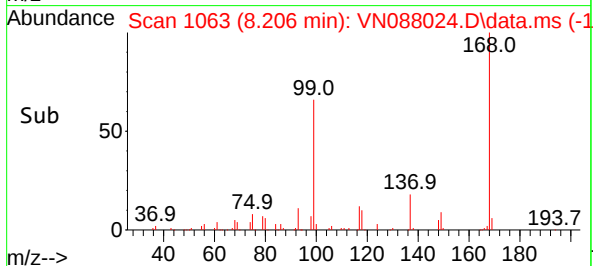
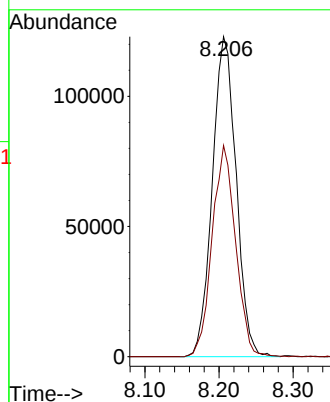
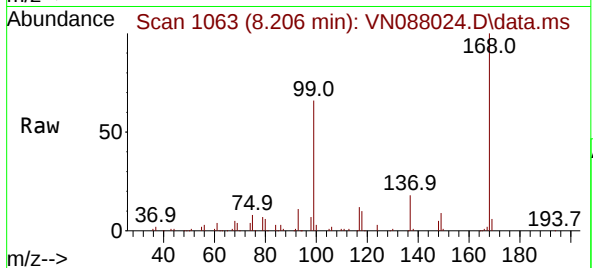




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088024.D
Acq: 03 Oct 2025 15:34

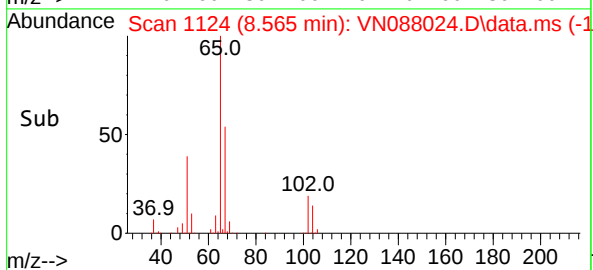
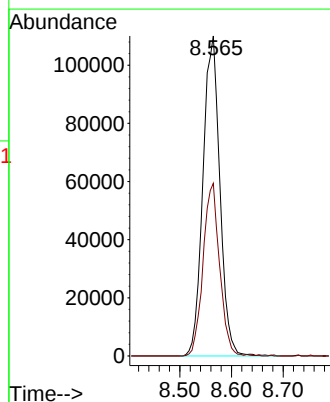
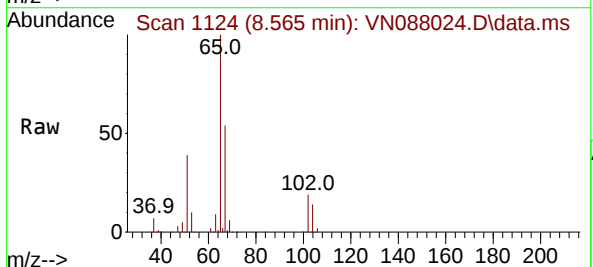
Instrument :
MSVOA_N
ClientSampleId :
IBLK

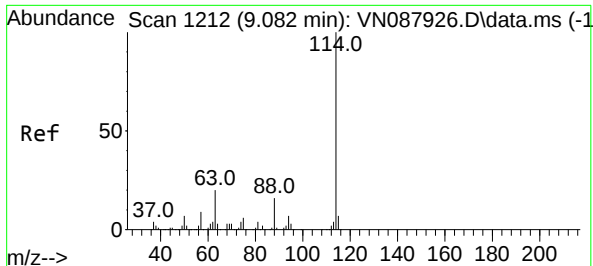
Tgt Ion:168 Resp: 274080
Ion Ratio Lower Upper
168 100
99 66.0 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 54.283 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.000 min
Lab File: VN088024.D
Acq: 03 Oct 2025 15:34

Tgt Ion: 65 Resp: 250385
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088024.D

Acq: 03 Oct 2025 15:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

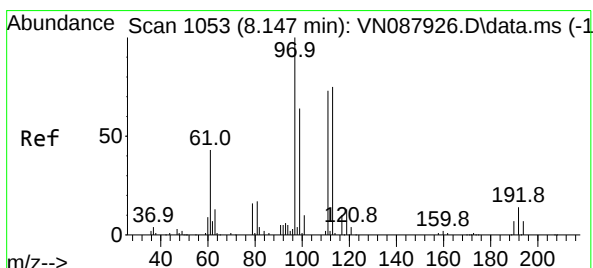
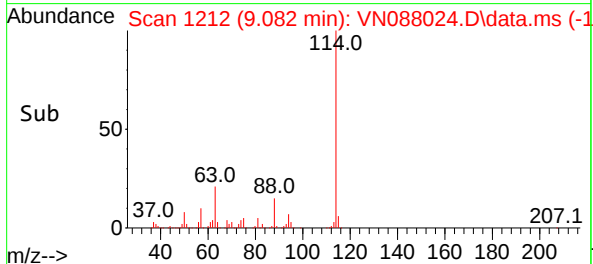
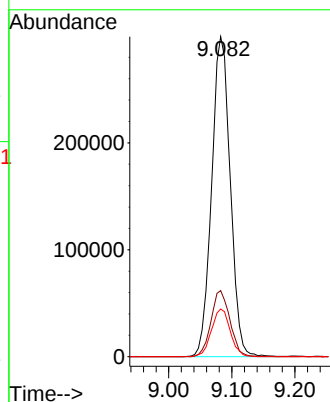
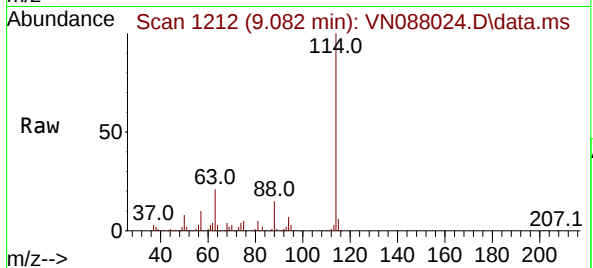
Tgt Ion:114 Resp: 611661

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.882 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VN088024.D

Acq: 03 Oct 2025 15:34

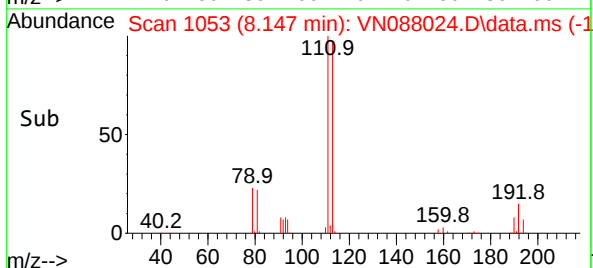
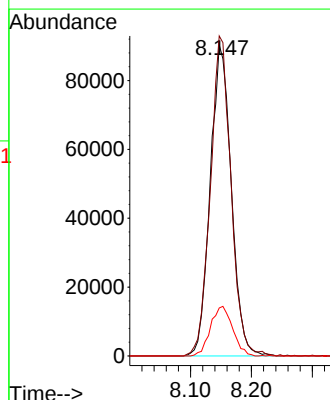
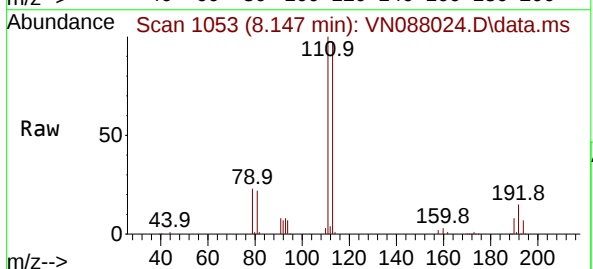
Tgt Ion:113 Resp: 217084

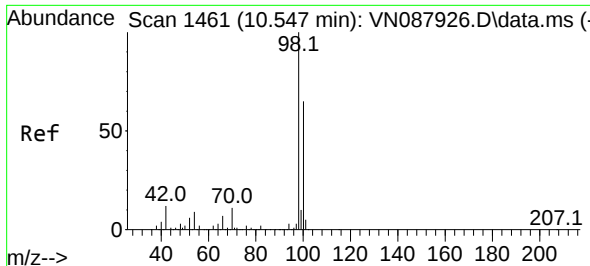
Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.2

192 16.8 14.2 21.2

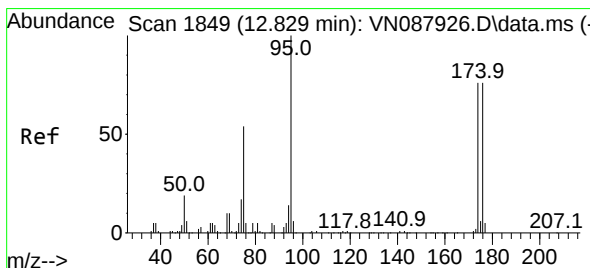
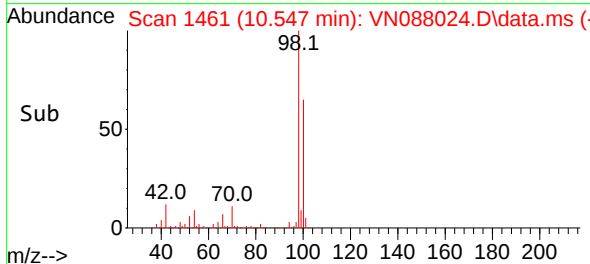
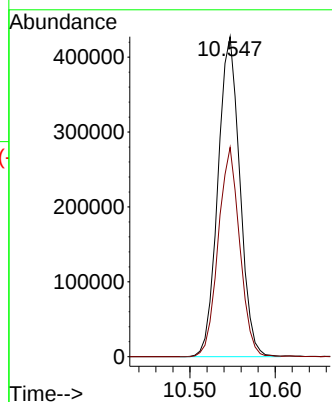
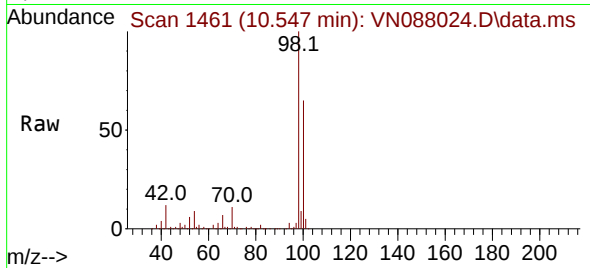




#50
Toluene-d8
Concen: 48.885 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088024.D
Acq: 03 Oct 2025 15:34

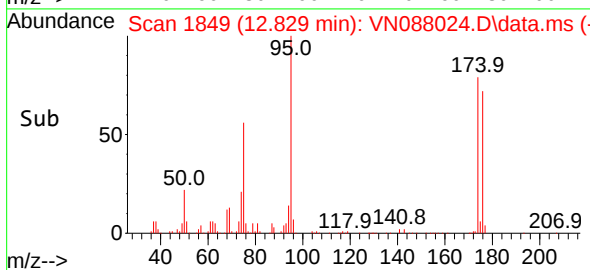
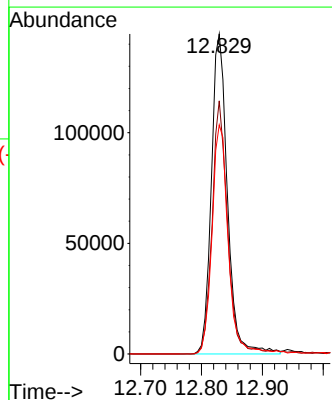
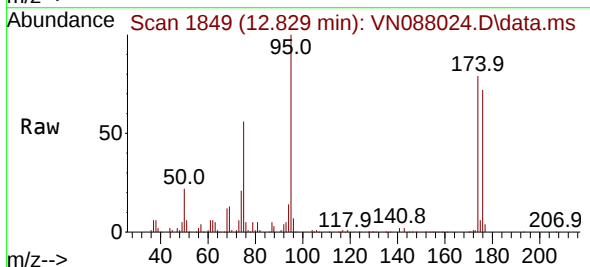
Instrument :
MSVOA_N
ClientSampleId :
IBLK

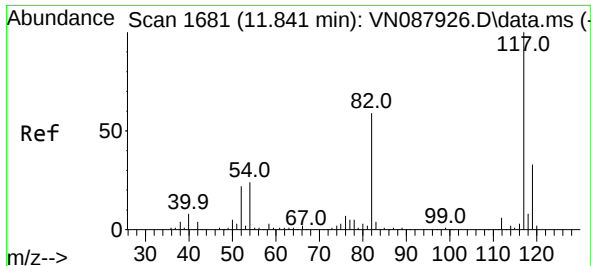
Tgt Ion: 98 Resp: 763453
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.542 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088024.D
Acq: 03 Oct 2025 15:34

Tgt Ion: 95 Resp: 265393
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.2
176 71.9 0.0 152.6

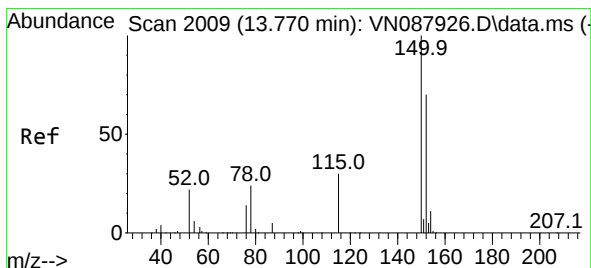
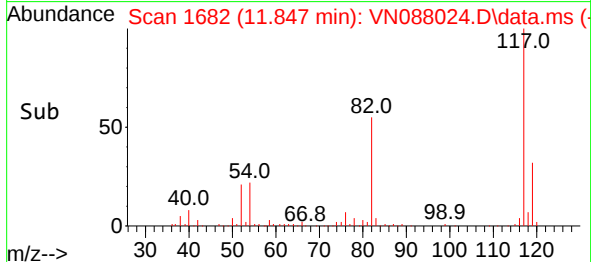
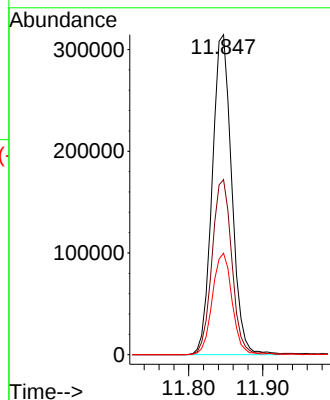
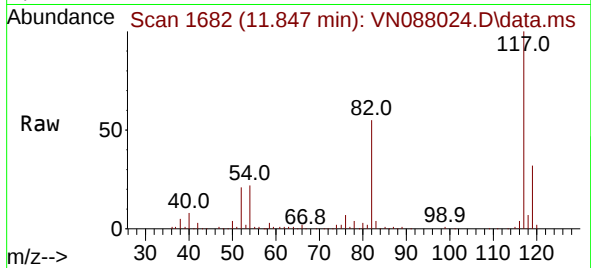




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN088024.D
Acq: 03 Oct 2025 15:34

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 576710
Ion Ratio Lower Upper
117 100
82 54.7 47.0 70.4
119 31.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088024.D
Acq: 03 Oct 2025 15:34

Tgt Ion:152 Resp: 281116
Ion Ratio Lower Upper
152 100
115 61.7 29.9 89.7
150 158.5 0.0 335.0

