

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090525\
 Data File : VN087746.D
 Acq On : 05 Sep 2025 16:48
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Sep 06 01:08:28 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	8.206	168	187848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	442132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	422447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	199310	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	216521	56.257	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.520%
35) Dibromofluoromethane	8.153	113	161695	50.653	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.300%
50) Toluene-d8	10.547	98	582070	48.718	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.440%
62) 4-Bromofluorobenzene	12.829	95	201585	47.443	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.880%

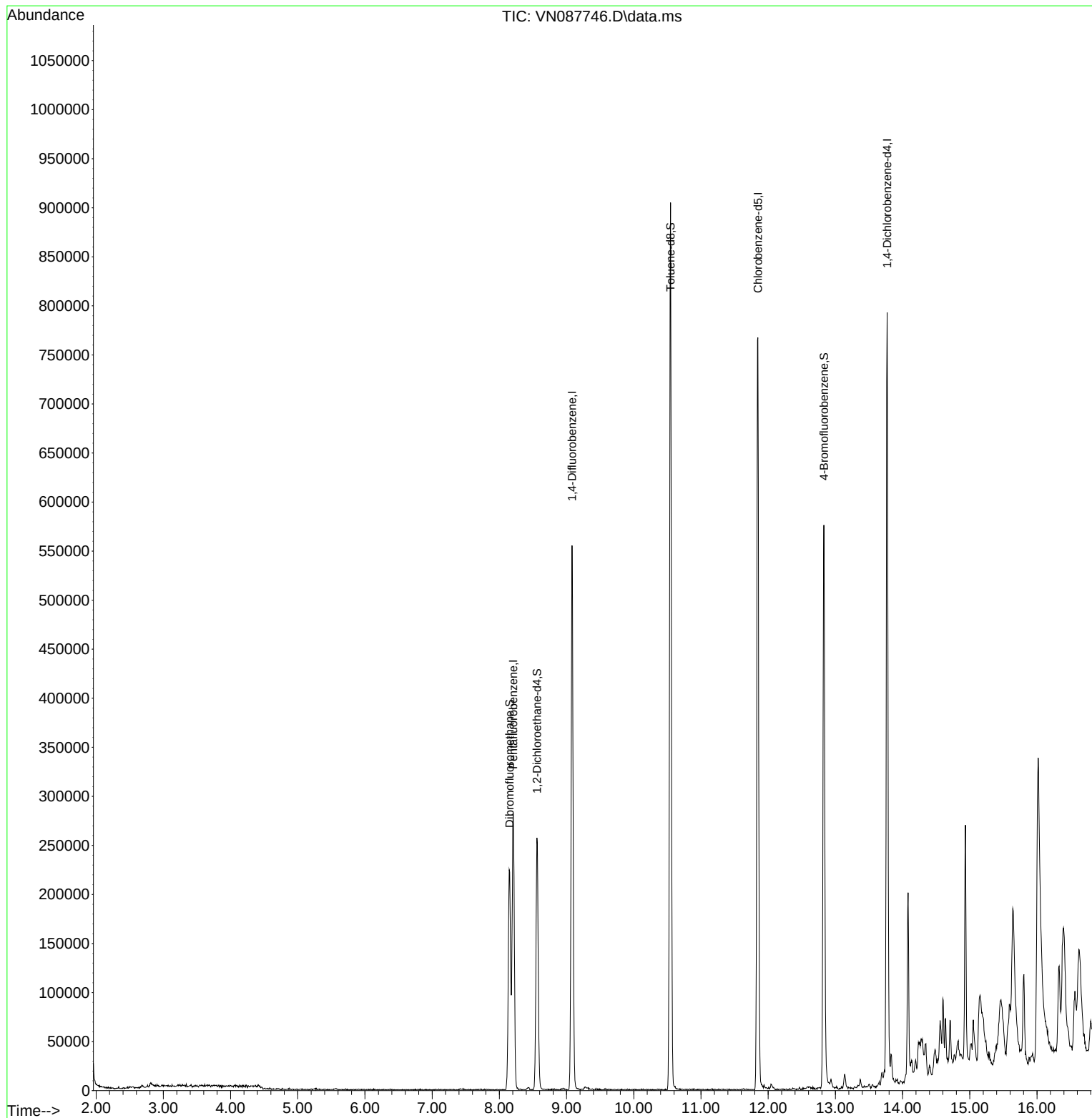
Target Compounds	Qvalue

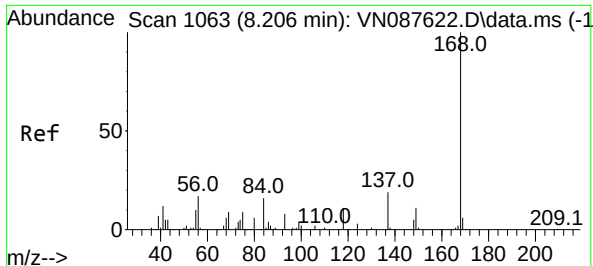
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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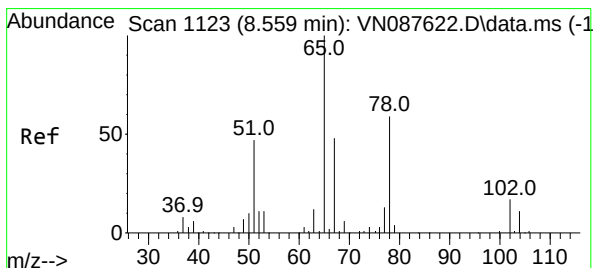
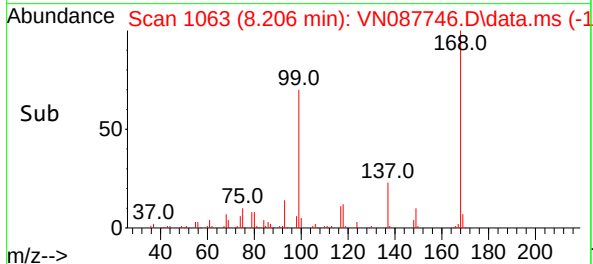
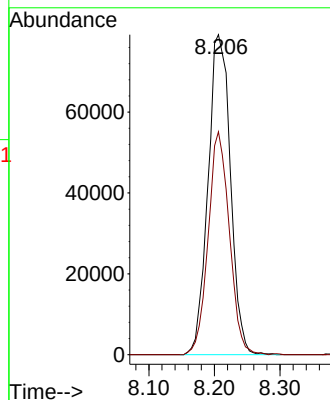
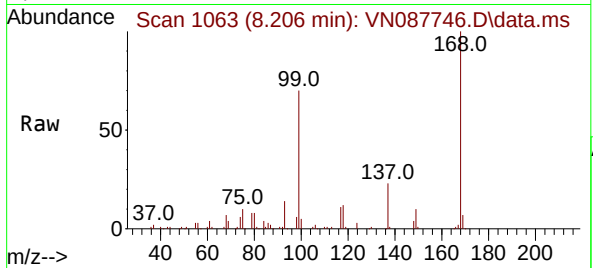




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

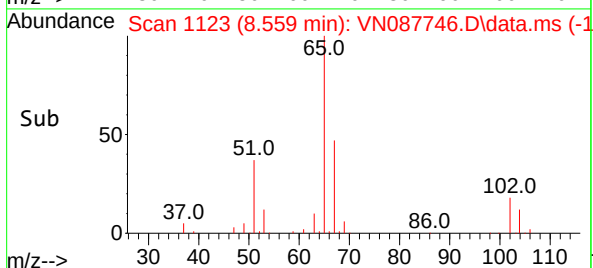
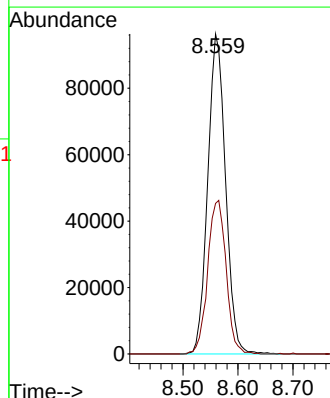
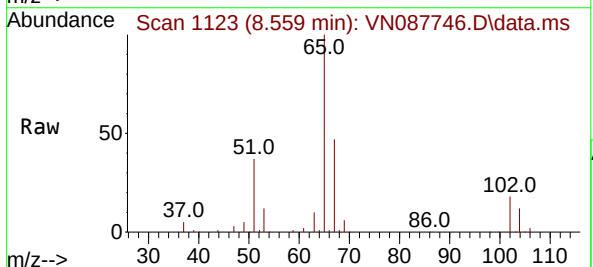
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

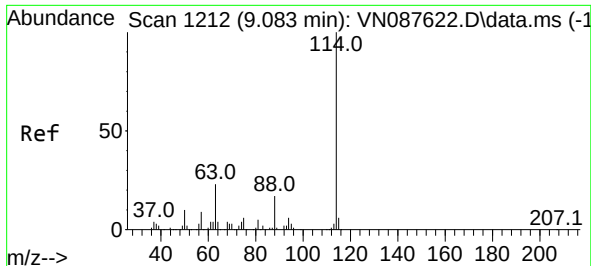
Tgt Ion:168 Resp: 187848
Ion Ratio Lower Upper
168 100
99 69.6 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 56.257 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

Tgt Ion: 65 Resp: 216521
Ion Ratio Lower Upper
65 100
67 49.8 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087746.D

Acq: 05 Sep 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

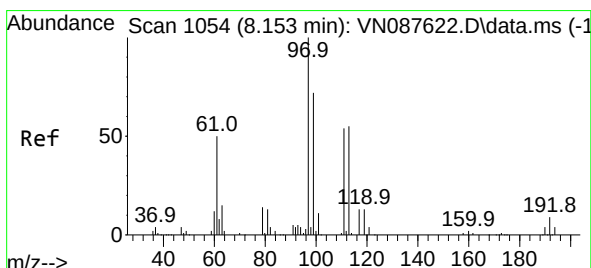
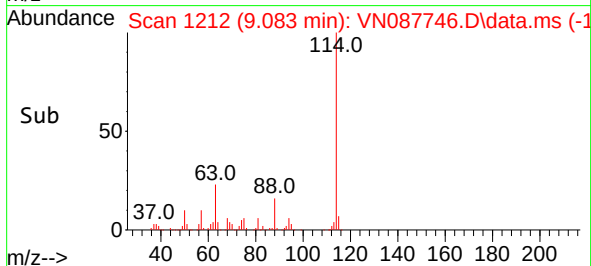
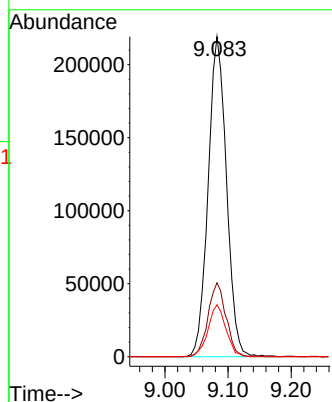
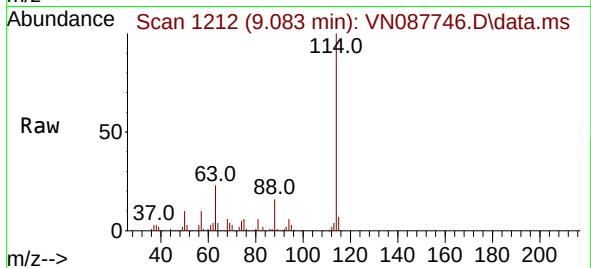
Tgt Ion:114 Resp: 442132

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.2

88 16.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.653 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087746.D

Acq: 05 Sep 2025 16:48

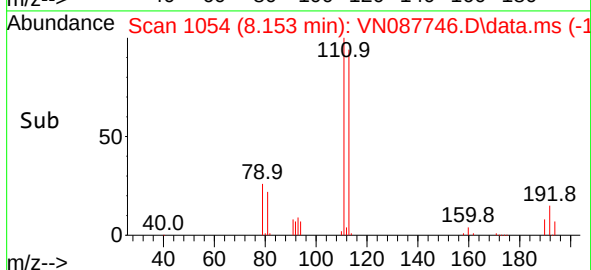
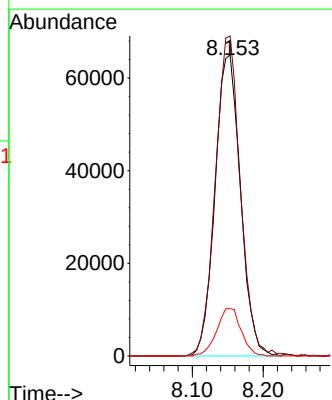
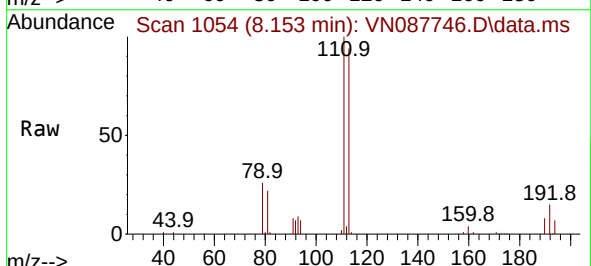
Tgt Ion:113 Resp: 161695

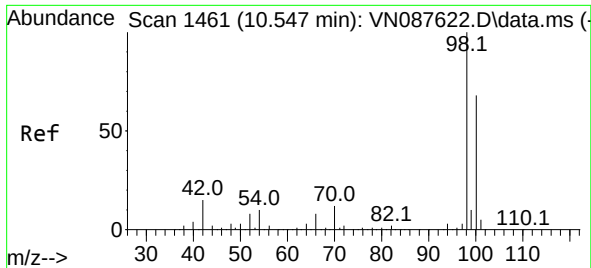
Ion Ratio Lower Upper

113 100

111 104.2 82.8 124.2

192 15.2 12.8 19.2

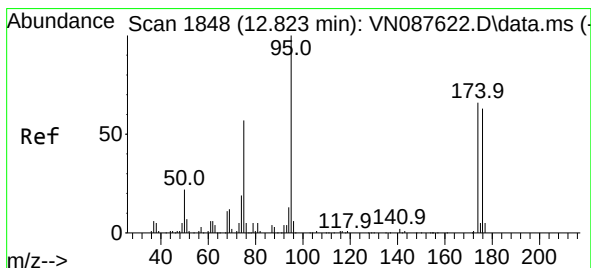
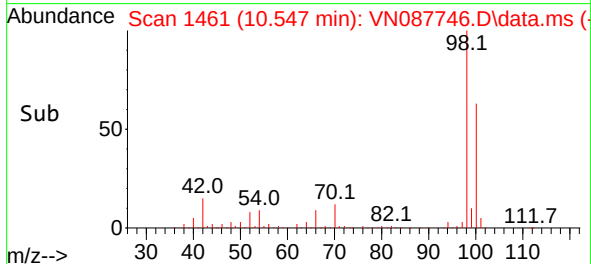
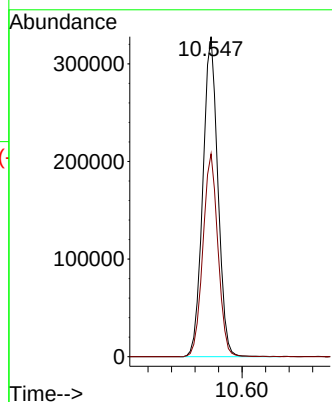
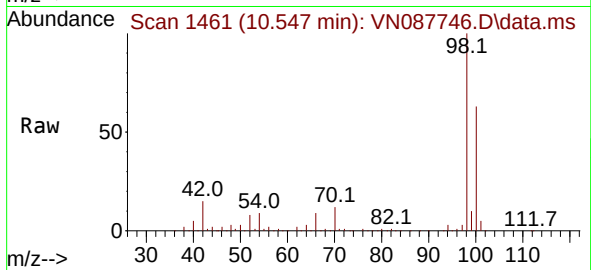




#50
Toluene-d8
Concen: 48.718 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

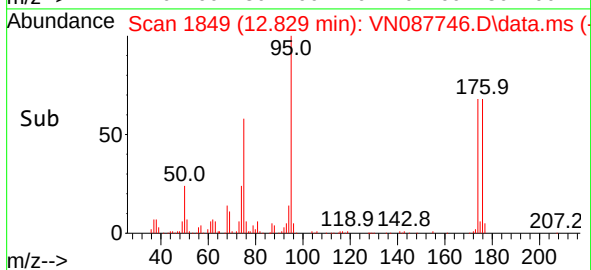
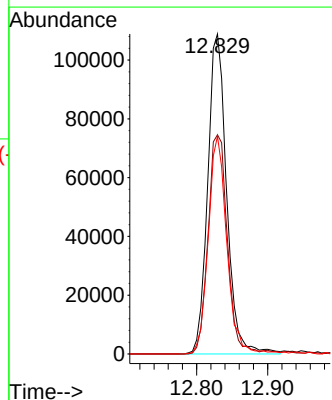
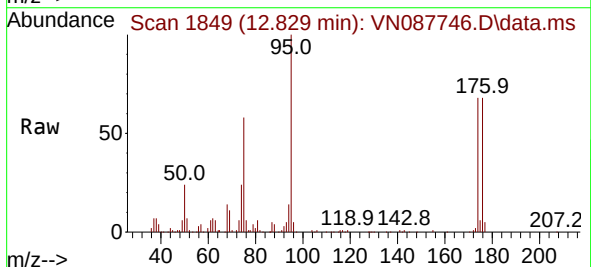
Instrument :
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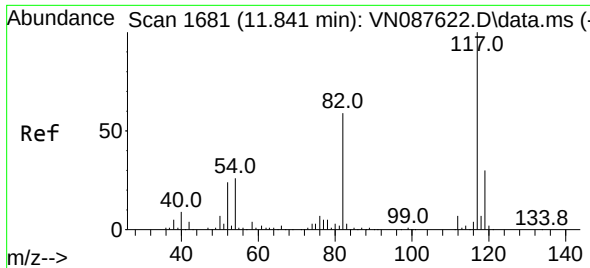
Tgt Ion: 98 Resp: 582070
Ion Ratio Lower Upper
98 100
100 63.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.443 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

Tgt Ion: 95 Resp: 201585
Ion Ratio Lower Upper
95 100
174 69.7 0.0 138.4
176 66.8 0.0 132.6

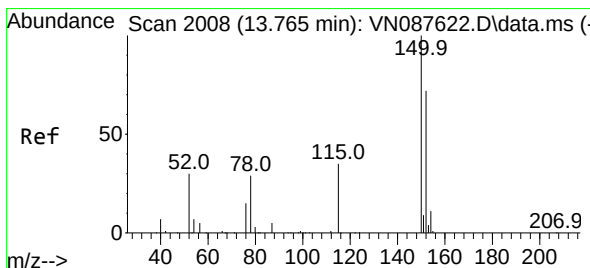
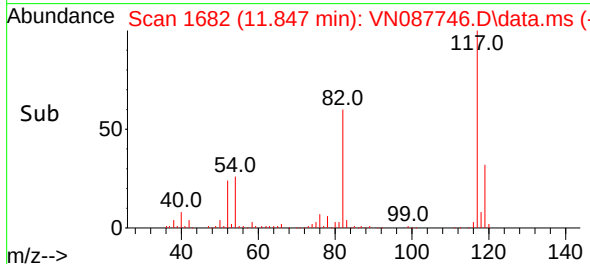
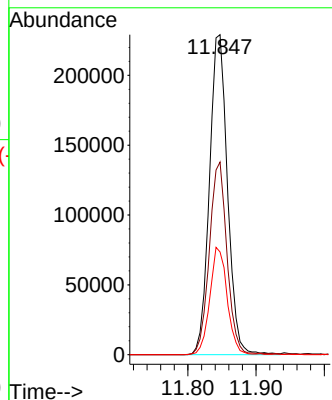
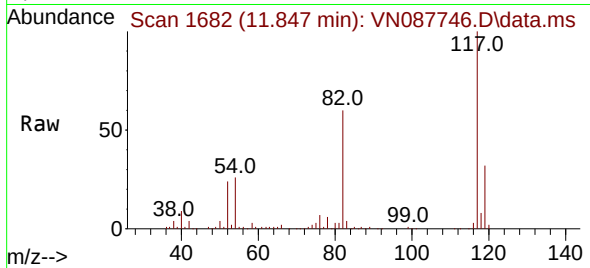




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 422447
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 32.1 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: VN087746.D
Acq: 05 Sep 2025 16:48

Tgt Ion:152 Resp: 199310
Ion Ratio Lower Upper
152 100
115 63.0 32.3 96.8
150 157.7 0.0 351.0

