

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087374.D
 Acq On : 21 Jul 2025 13:13
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 22 03:06:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	176390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	351521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	331105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	166365	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	161730	54.037	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.080%
35) Dibromofluoromethane	8.153	113	121727	50.201	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.400%
50) Toluene-d8	10.547	98	448956	51.905	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.820%
62) 4-Bromofluorobenzene	12.829	95	162391	50.817	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.640%

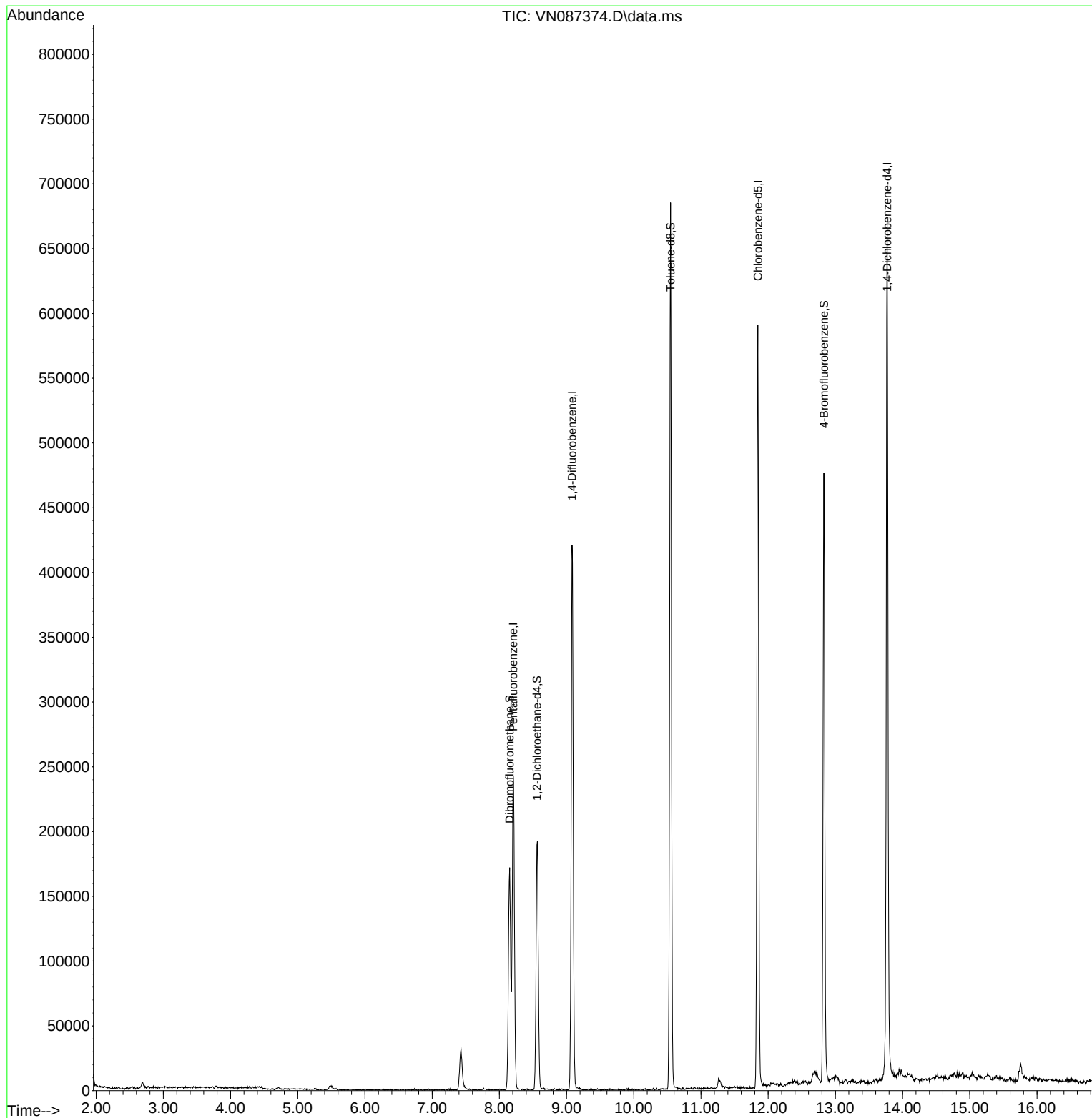
Target Compounds	Qvalue

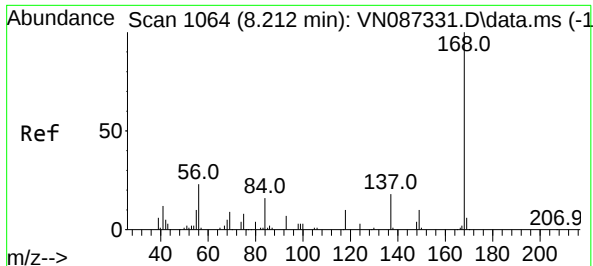
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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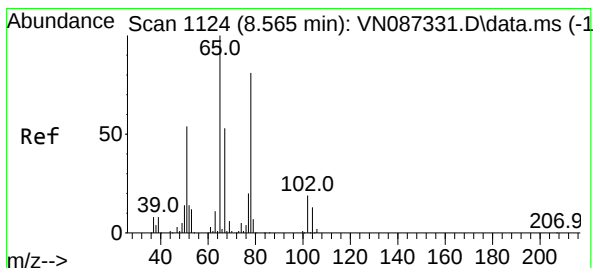
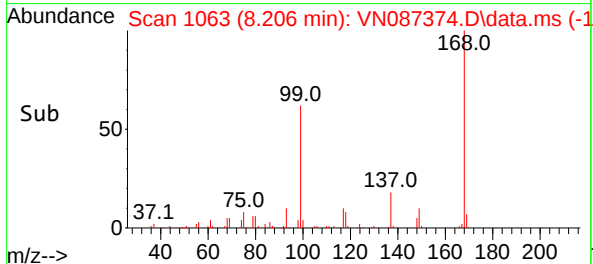
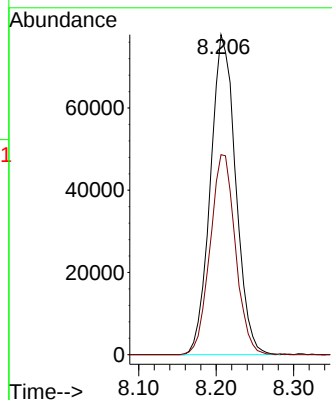
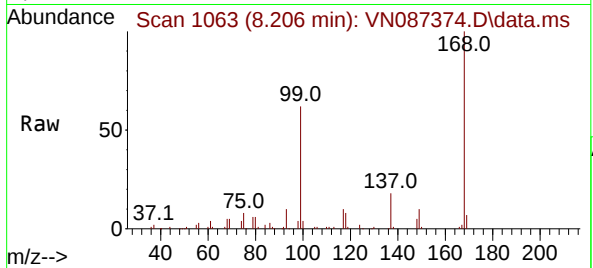




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

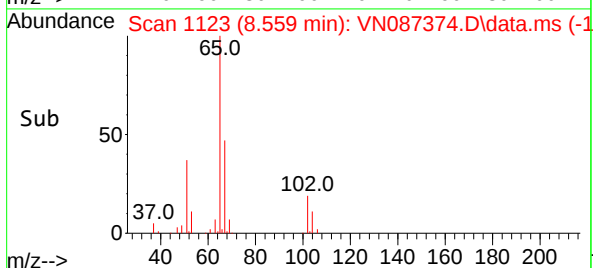
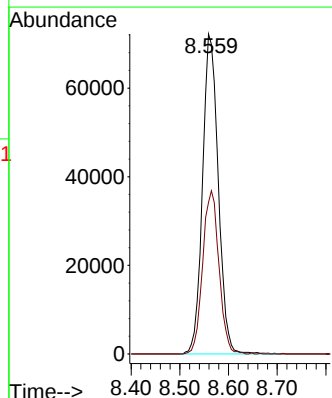
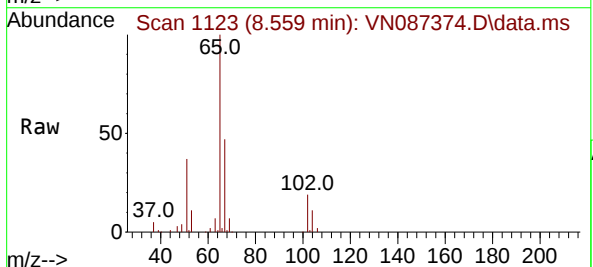
Instrument :
MSVOA_N
ClientSampleId :
IBLK

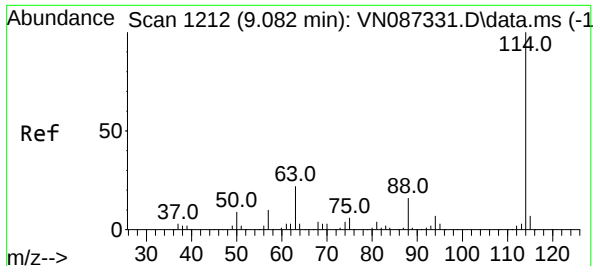
Tgt Ion:168 Resp: 176390
Ion Ratio Lower Upper
168 100
99 62.5 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 54.037 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

Tgt Ion: 65 Resp: 161730
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087374.D

Acq: 21 Jul 2025 13:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

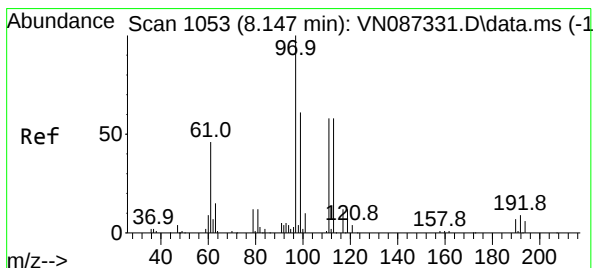
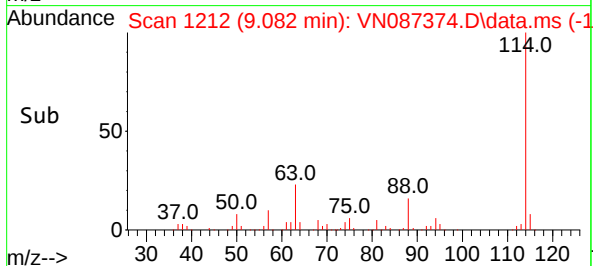
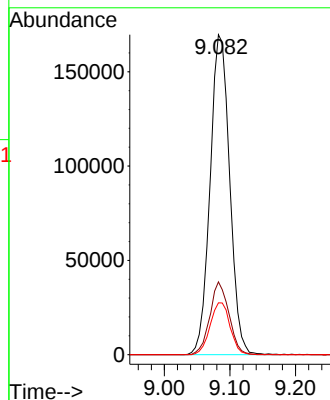
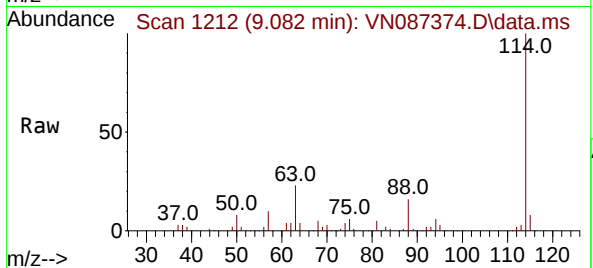
Tgt Ion:114 Resp: 351521

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.6

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.201 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087374.D

Acq: 21 Jul 2025 13:13

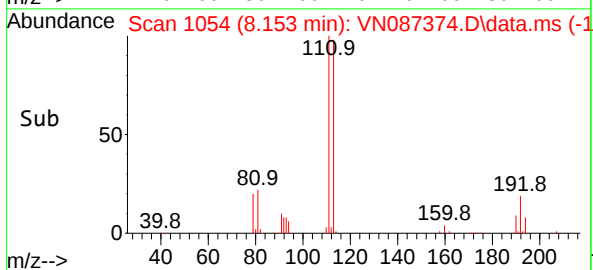
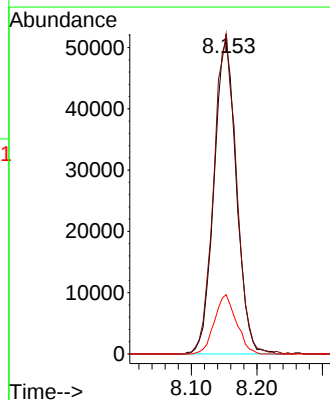
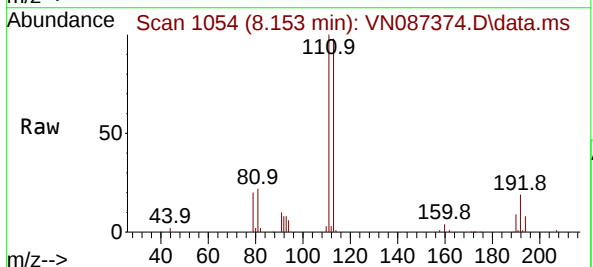
Tgt Ion:113 Resp: 121727

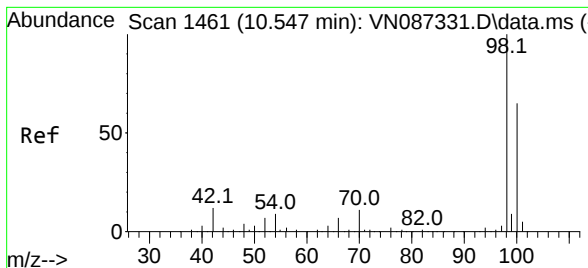
Ion Ratio Lower Upper

113 100

111 102.9 82.5 123.7

192 18.4 13.7 20.5

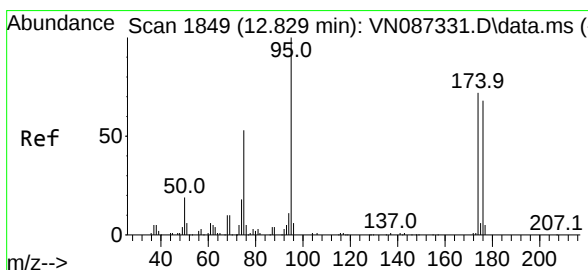
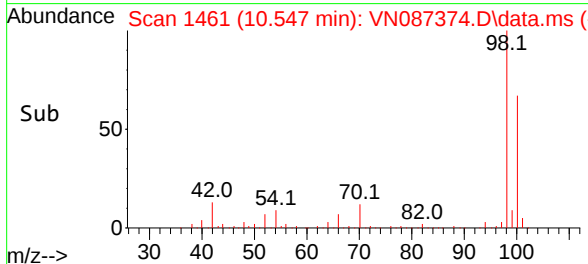
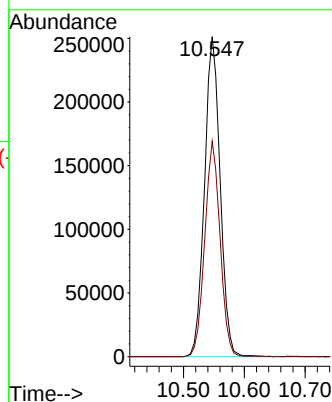
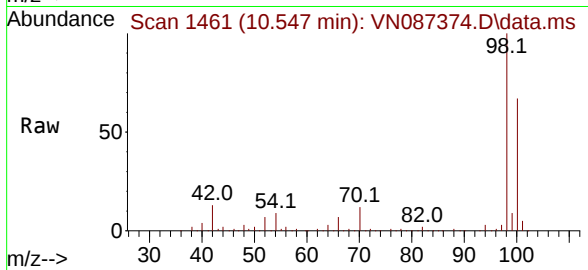




#50
Toluene-d8
Concen: 51.905 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

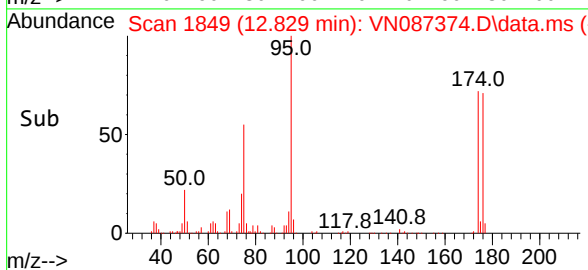
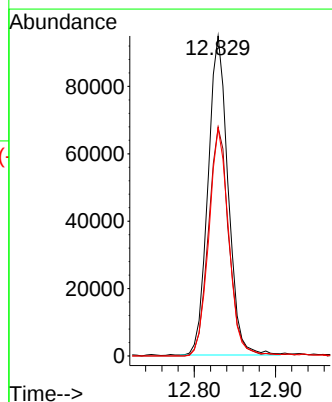
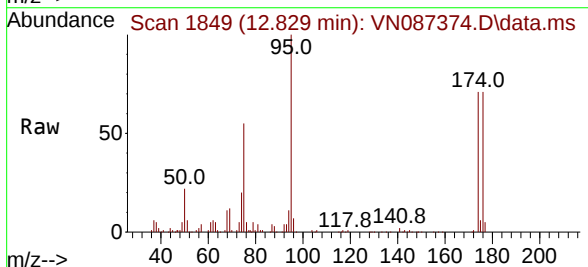
Instrument :
MSVOA_N
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IBLK

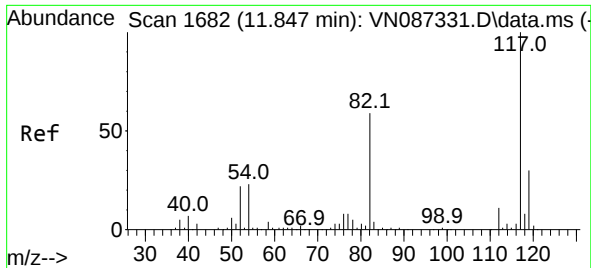
Tgt Ion: 98 Resp: 448956
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 50.817 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

Tgt Ion: 95 Resp: 162391
Ion Ratio Lower Upper
95 100
174 73.1 0.0 149.4
176 71.0 0.0 141.2

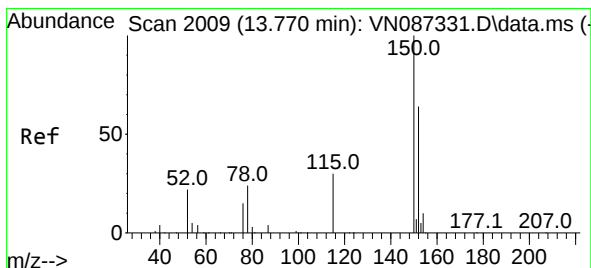
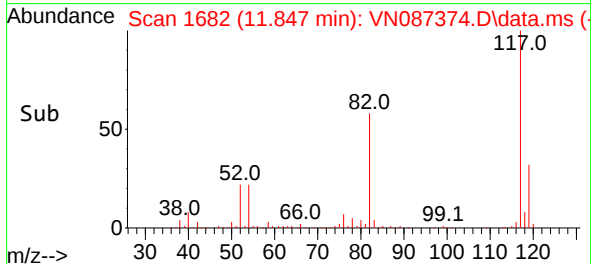
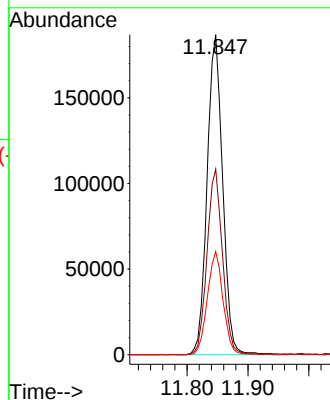
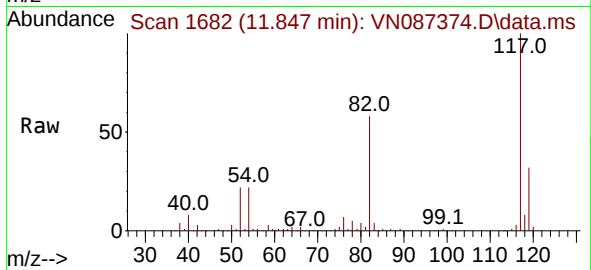




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 331105
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 32.2 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

Tgt Ion:152 Resp: 166365
Ion Ratio Lower Upper
152 100
115 61.6 31.1 93.5
150 157.5 0.0 349.0

