

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087369.D
 Acq On : 21 Jul 2025 11:13
 Operator : JC\MD
 Sample : VN0721MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721MBL01

Quant Time: Jul 22 03:03:48 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	8.212	168	136029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	270706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	239878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	105718	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	126194	54.674	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.340%
35) Dibromofluoromethane	8.153	113	95711	51.256	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.520%
50) Toluene-d8	10.547	98	335145	50.315	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.620%
62) 4-Bromofluorobenzene	12.829	95	106840	43.415	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	86.820%

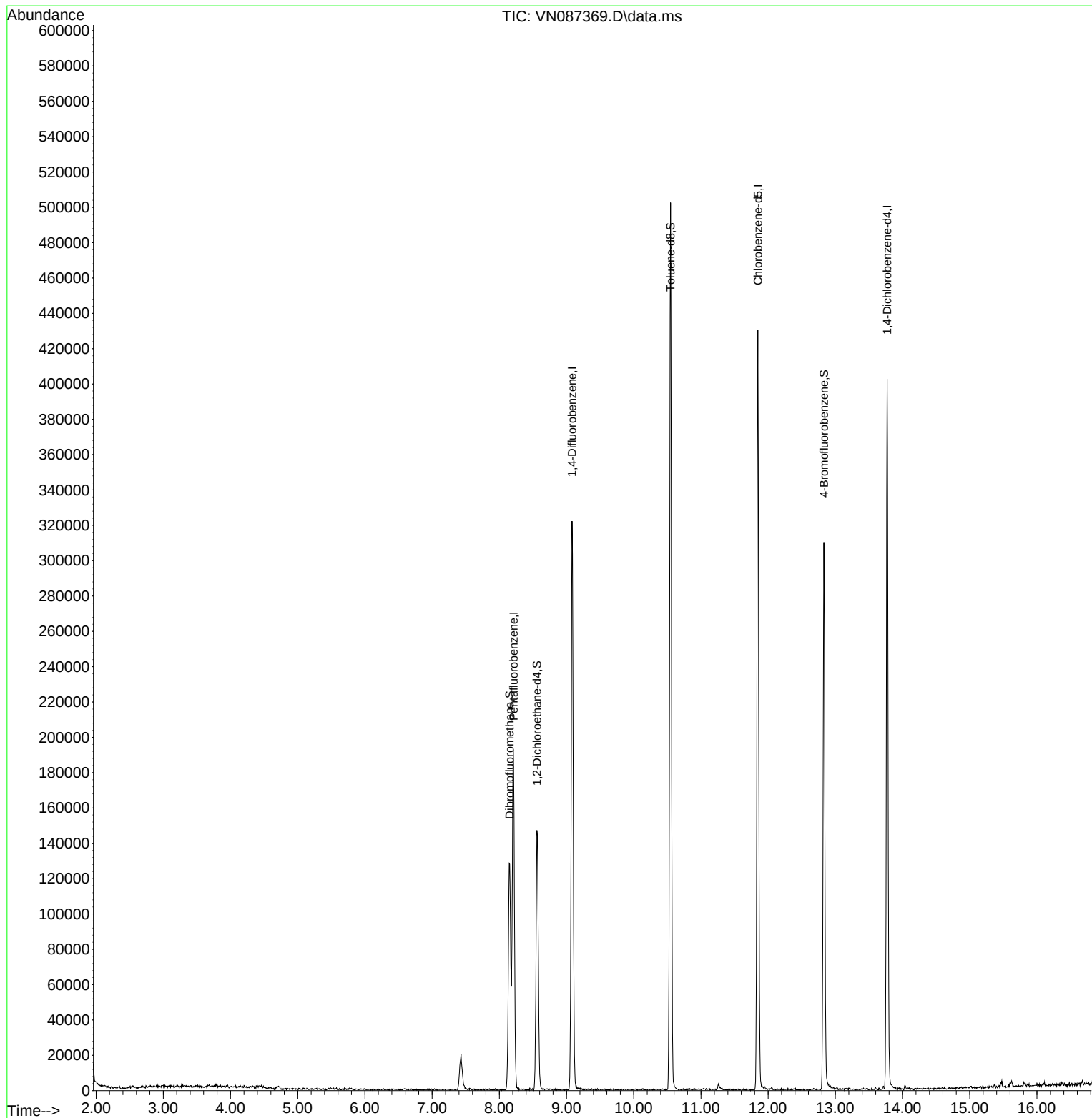
Target Compounds	Qvalue

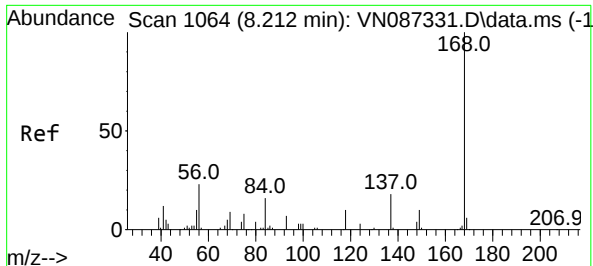
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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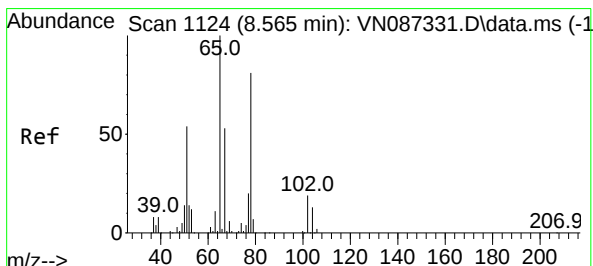
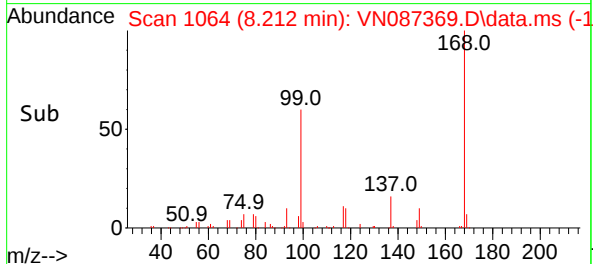
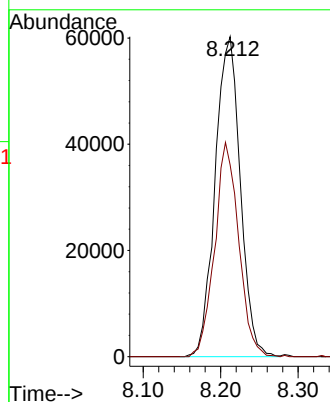
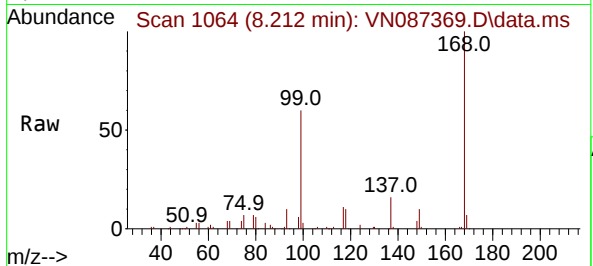




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

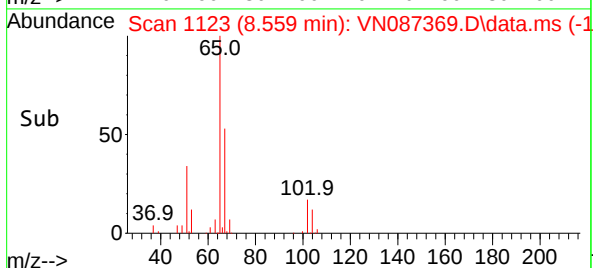
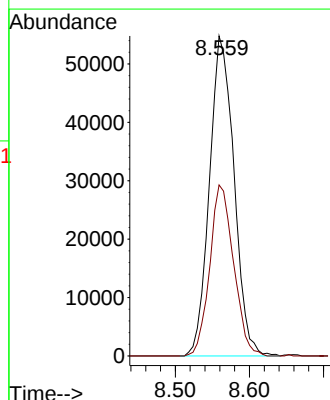
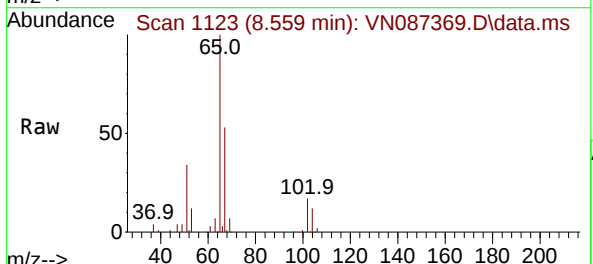
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

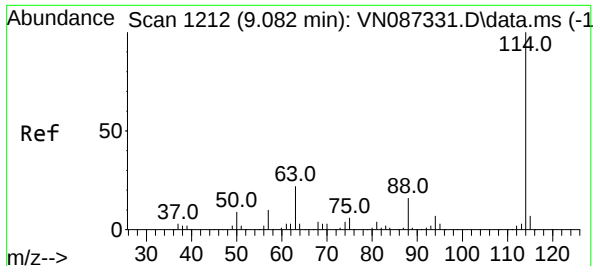
Tgt Ion:168 Resp: 136029
Ion Ratio Lower Upper
168 100
99 60.0 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 54.674 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

Tgt Ion: 65 Resp: 126194
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN087369.D

Acq: 21 Jul 2025 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0721MBL01

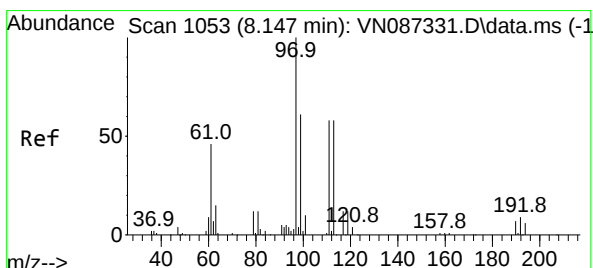
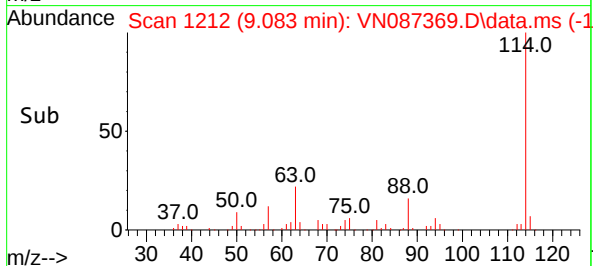
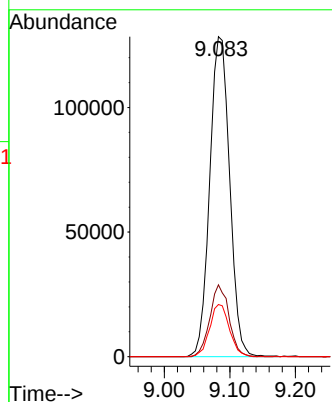
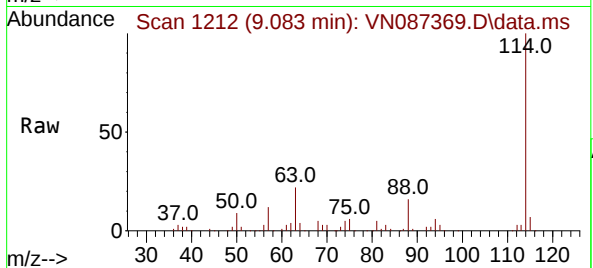
Tgt Ion:114 Resp: 270706

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.6

88 16.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.256 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087369.D

Acq: 21 Jul 2025 11:13

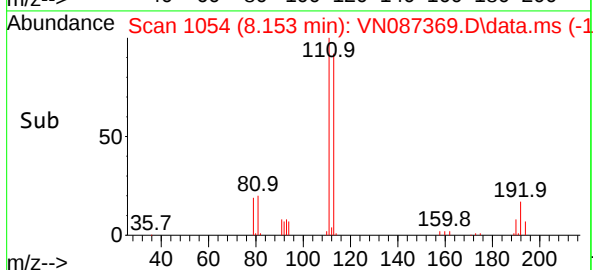
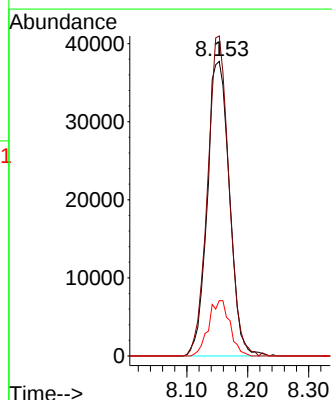
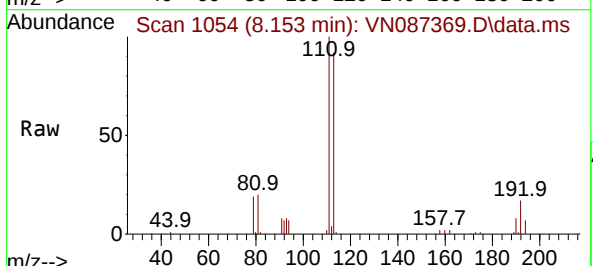
Tgt Ion:113 Resp: 95711

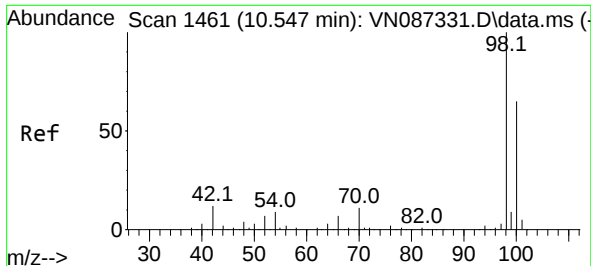
Ion Ratio Lower Upper

113 100

111 104.2 82.5 123.7

192 18.1 13.7 20.5

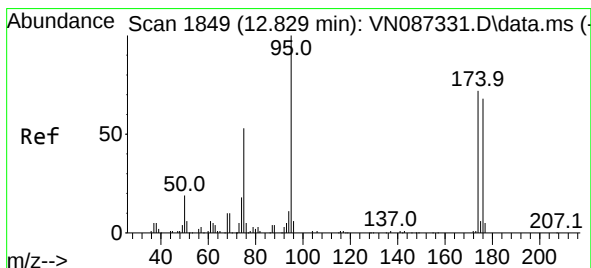
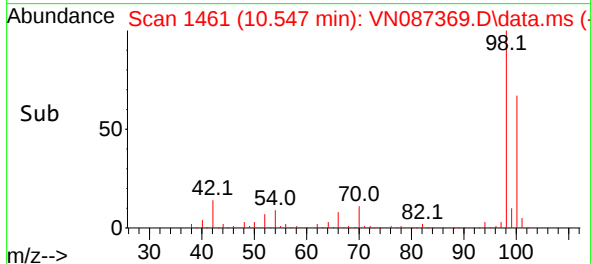
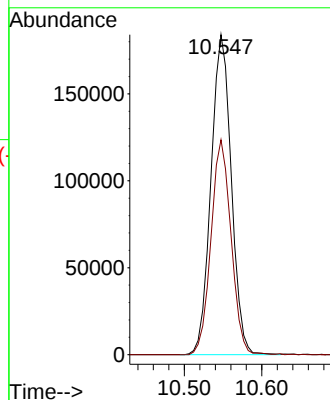
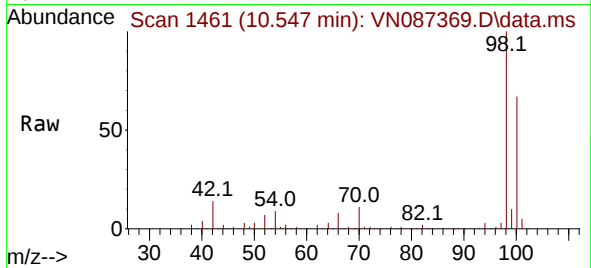




#50
Toluene-d8
Concen: 50.315 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

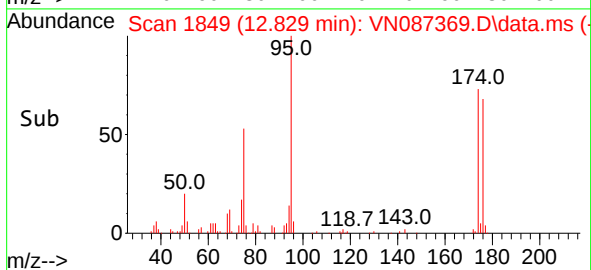
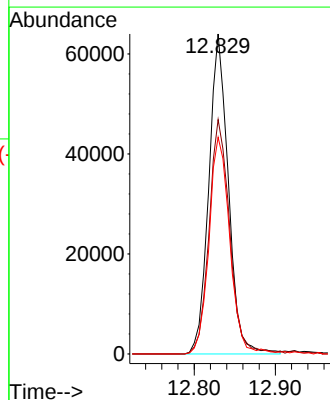
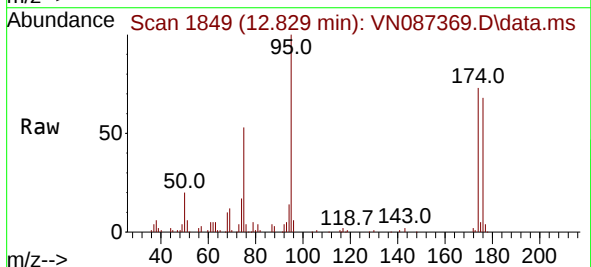
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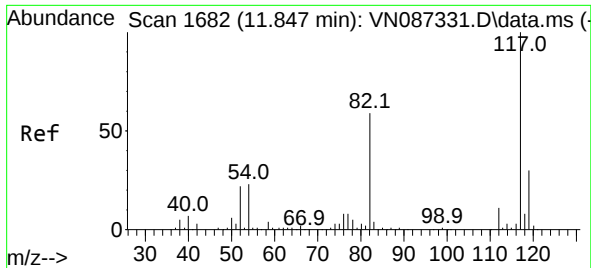
Tgt Ion: 98 Resp: 335145
Ion Ratio Lower Upper
98 100
100 66.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 43.415 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

Tgt Ion: 95 Resp: 106840
Ion Ratio Lower Upper
95 100
174 77.8 0.0 149.4
176 72.1 0.0 141.2

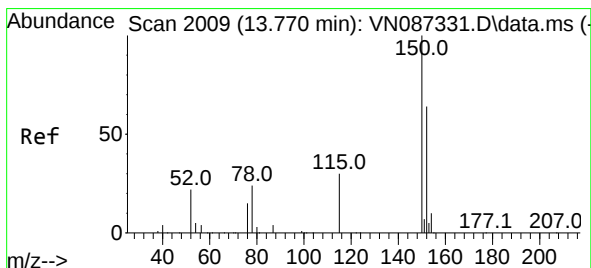
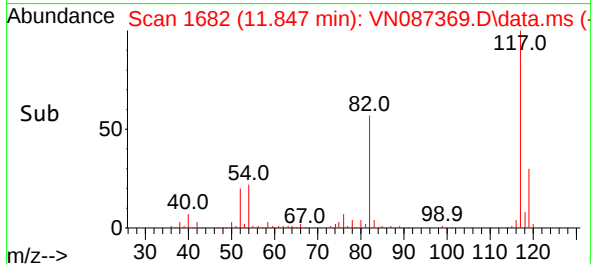
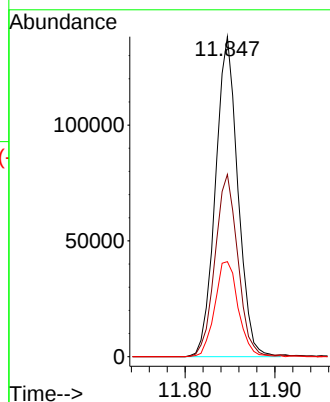
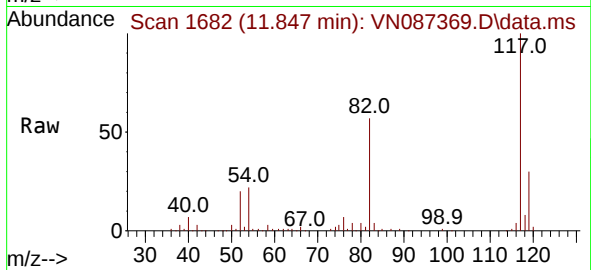




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

Tgt Ion:117 Resp: 239878
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 29.7 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

Tgt Ion:152 Resp: 105718
Ion Ratio Lower Upper
152 100
115 63.3 31.1 93.5
150 161.0 0.0 349.0

