

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087527.D
 Acq On : 13 Aug 2025 11:41
 Operator : JC\MD
 Sample : VN0813WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBL01

Quant Time: Aug 14 03:57:00 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	240605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	517097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	472576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	217582	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	243187	59.567	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.140%
35) Dibromofluoromethane	8.153	113	177183	49.674	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.340%
50) Toluene-d8	10.547	98	661503	51.990	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.980%
62) 4-Bromofluorobenzene	12.829	95	235890	50.181	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.360%

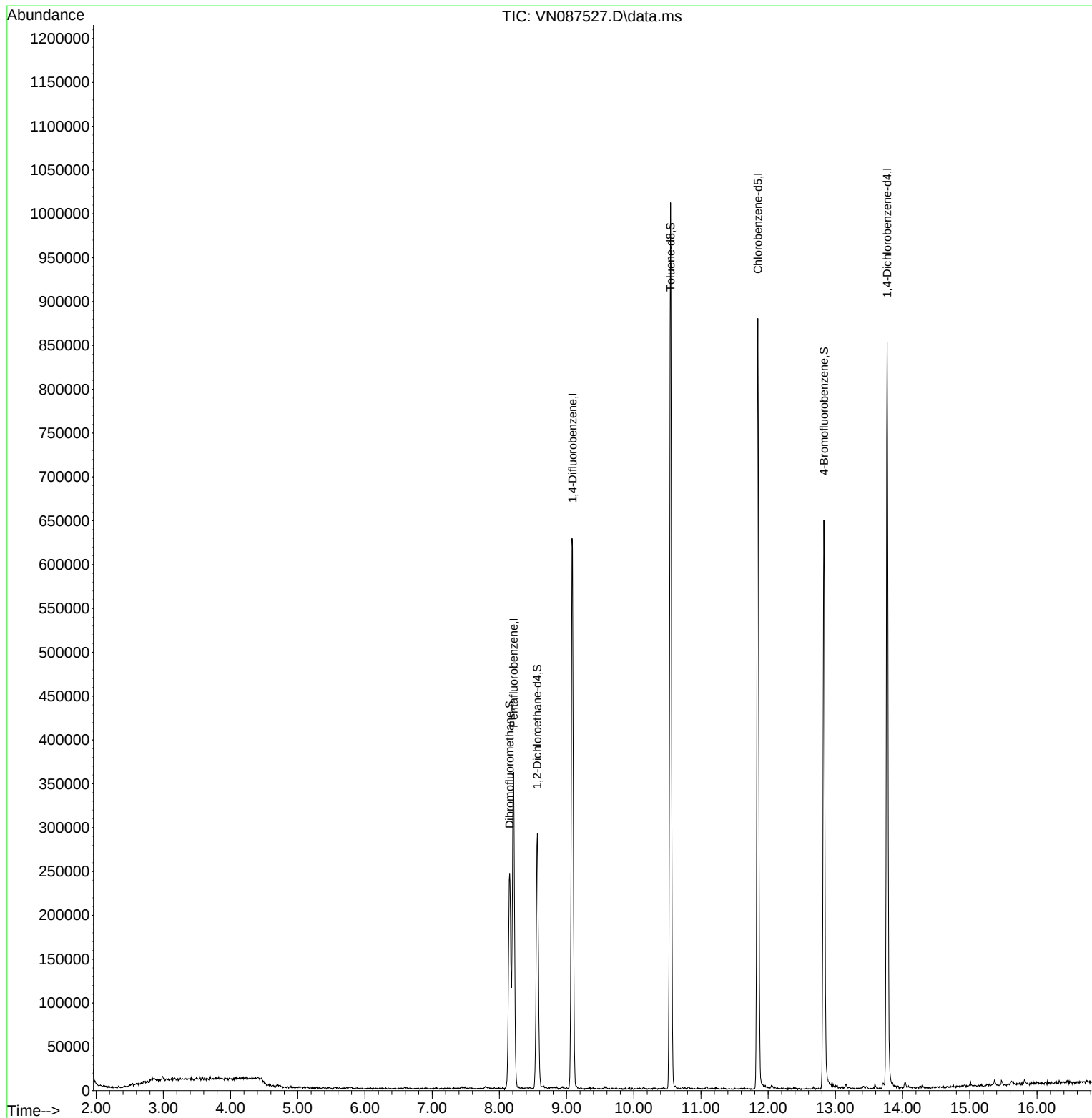
Target Compounds	Qvalue

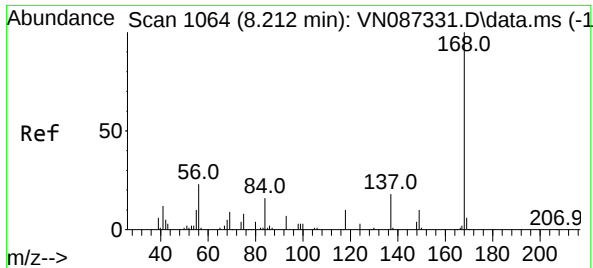
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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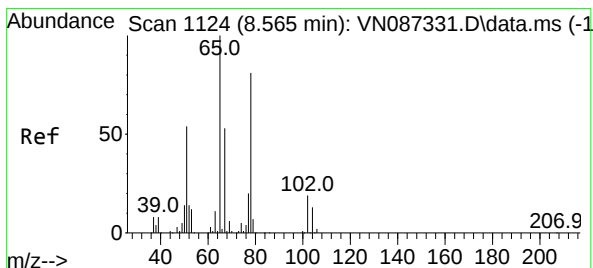
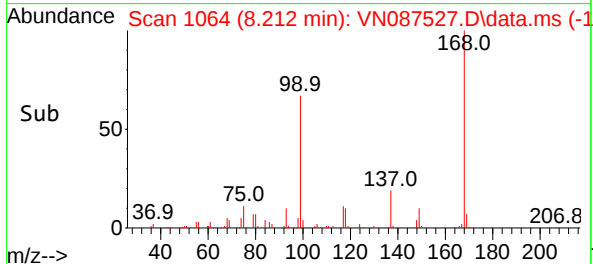
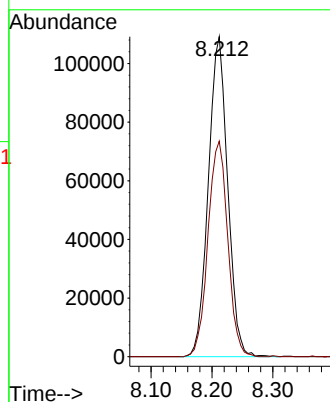
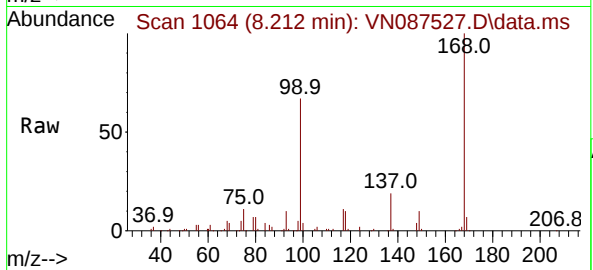




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

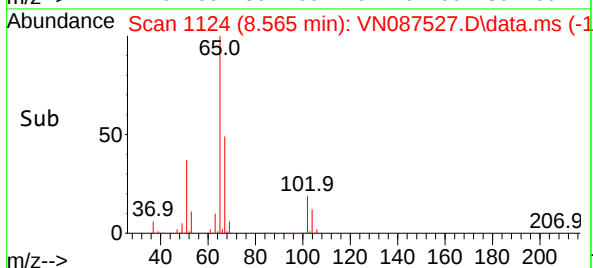
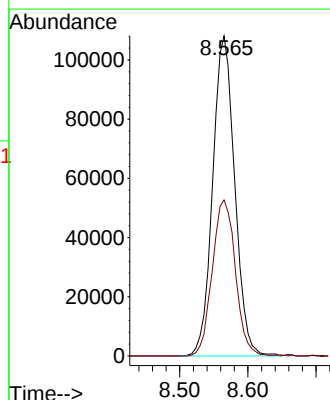
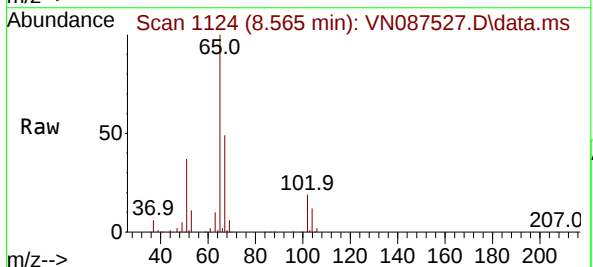
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

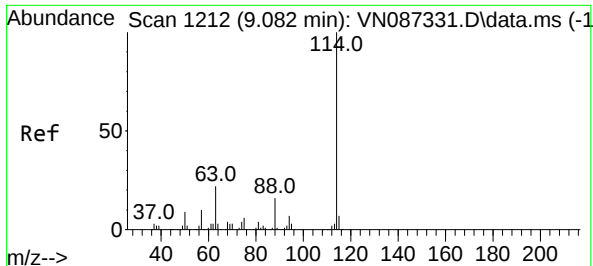
Tgt Ion:168 Resp: 240605
Ion Ratio Lower Upper
168 100
99 67.4 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 59.567 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Tgt Ion: 65 Resp: 243187
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN087527.D

Acq: 13 Aug 2025 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBL01

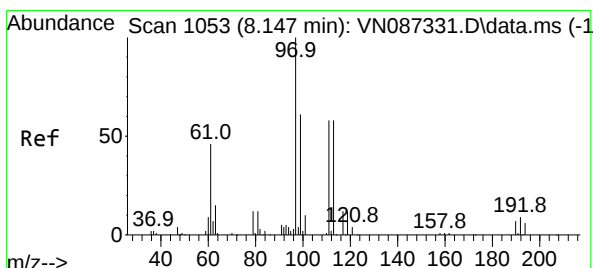
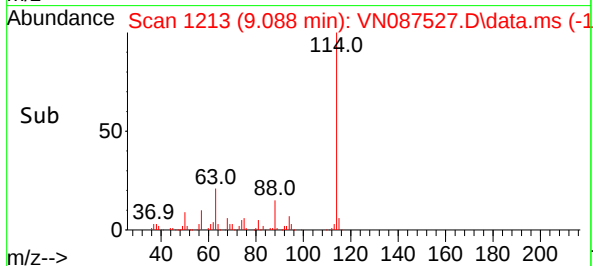
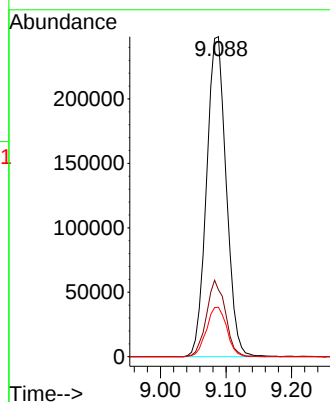
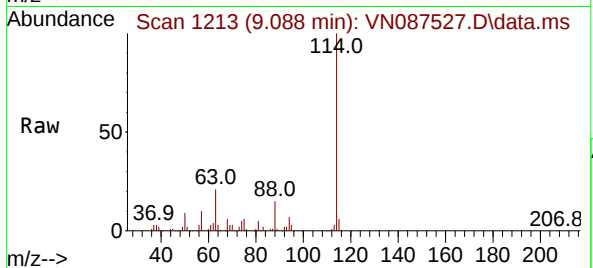
Tgt Ion:114 Resp: 517097

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.6

88 15.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.674 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087527.D

Acq: 13 Aug 2025 11:41

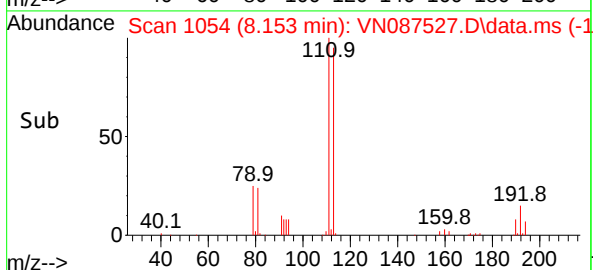
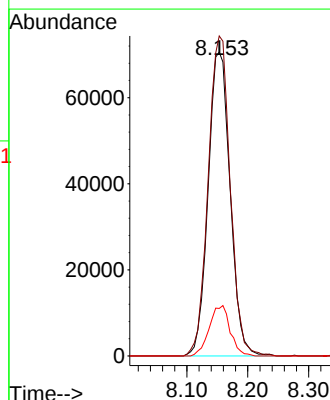
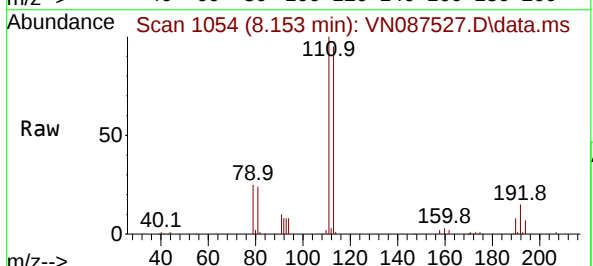
Tgt Ion:113 Resp: 177183

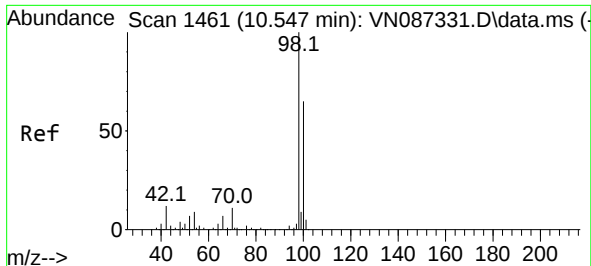
Ion Ratio Lower Upper

113 100

111 105.4 82.5 123.7

192 15.8 13.7 20.5

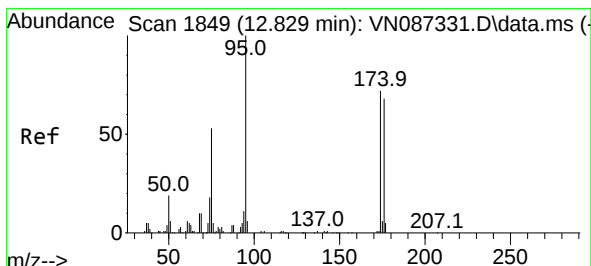
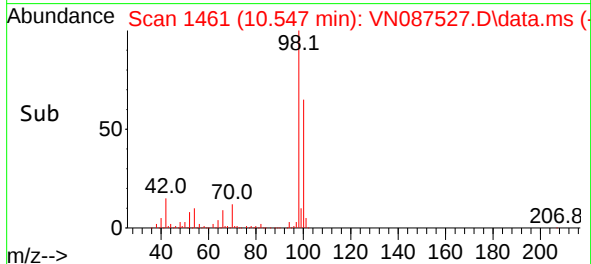
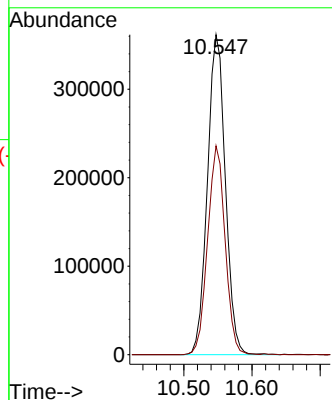
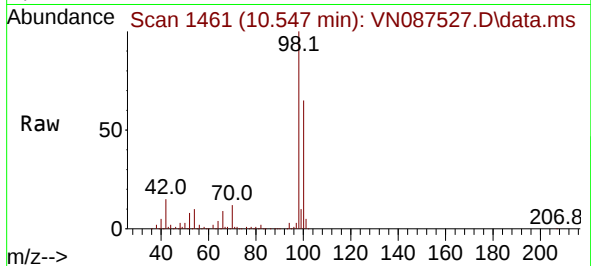




#50
Toluene-d8
Concen: 51.990 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

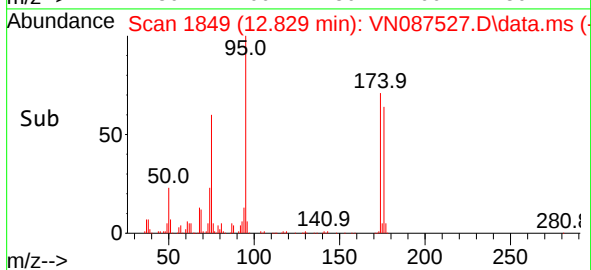
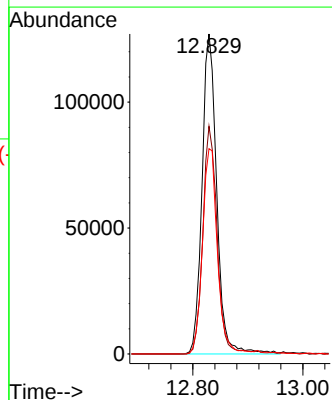
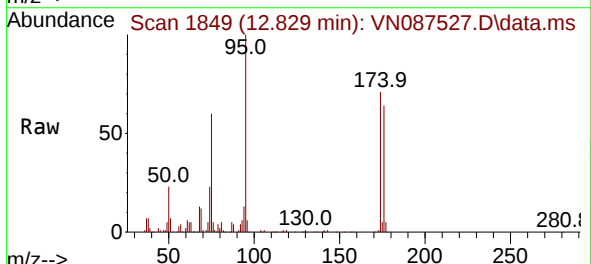
Instrument :
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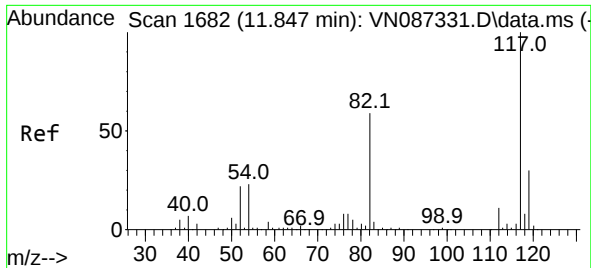
Tgt Ion: 98 Resp: 661503
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 50.181 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Tgt Ion: 95 Resp: 235890
Ion Ratio Lower Upper
95 100
174 69.0 0.0 149.4
176 65.4 0.0 141.2

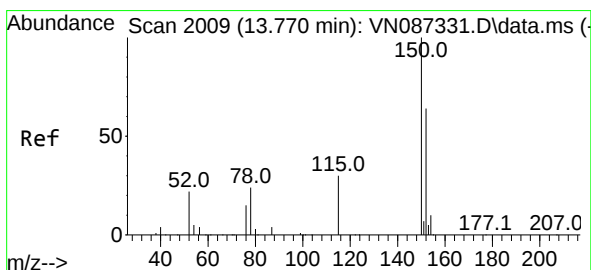
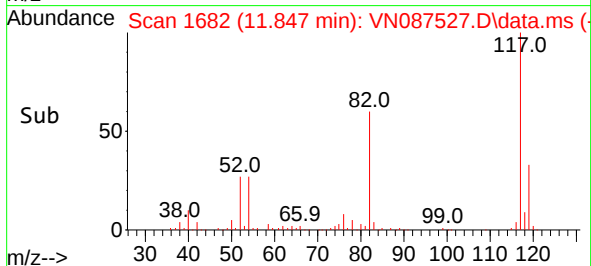
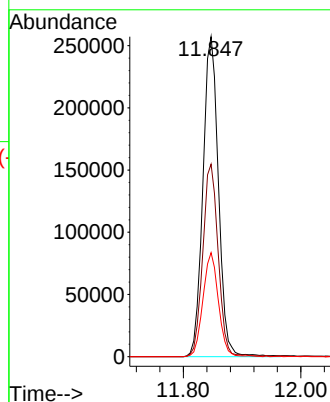
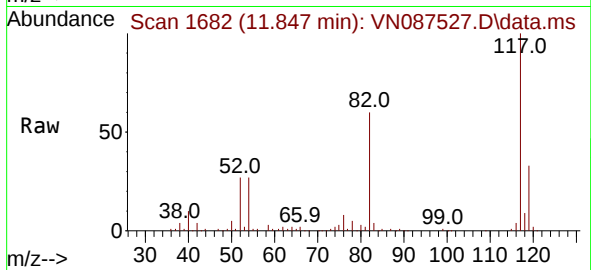




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Tgt Ion:117 Resp: 472576
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 32.5 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: VN087527.D
Acq: 13 Aug 2025 11:41

Tgt Ion:152 Resp: 217582
Ion Ratio Lower Upper
152 100
115 66.2 31.1 93.5
150 157.7 0.0 349.0

