

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087504.D
 Acq On : 12 Aug 2025 11:07
 Operator : JC\MD
 Sample : VN0812WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBL01

Quant Time: Aug 13 03:00:25 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	271221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	578160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	521832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	242445	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	268632	58.372	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.740%
35) Dibromofluoromethane	8.153	113	200423	50.255	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.500%
50) Toluene-d8	10.547	98	730025	51.316	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.640%
62) 4-Bromofluorobenzene	12.829	95	263428	50.120	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.240%

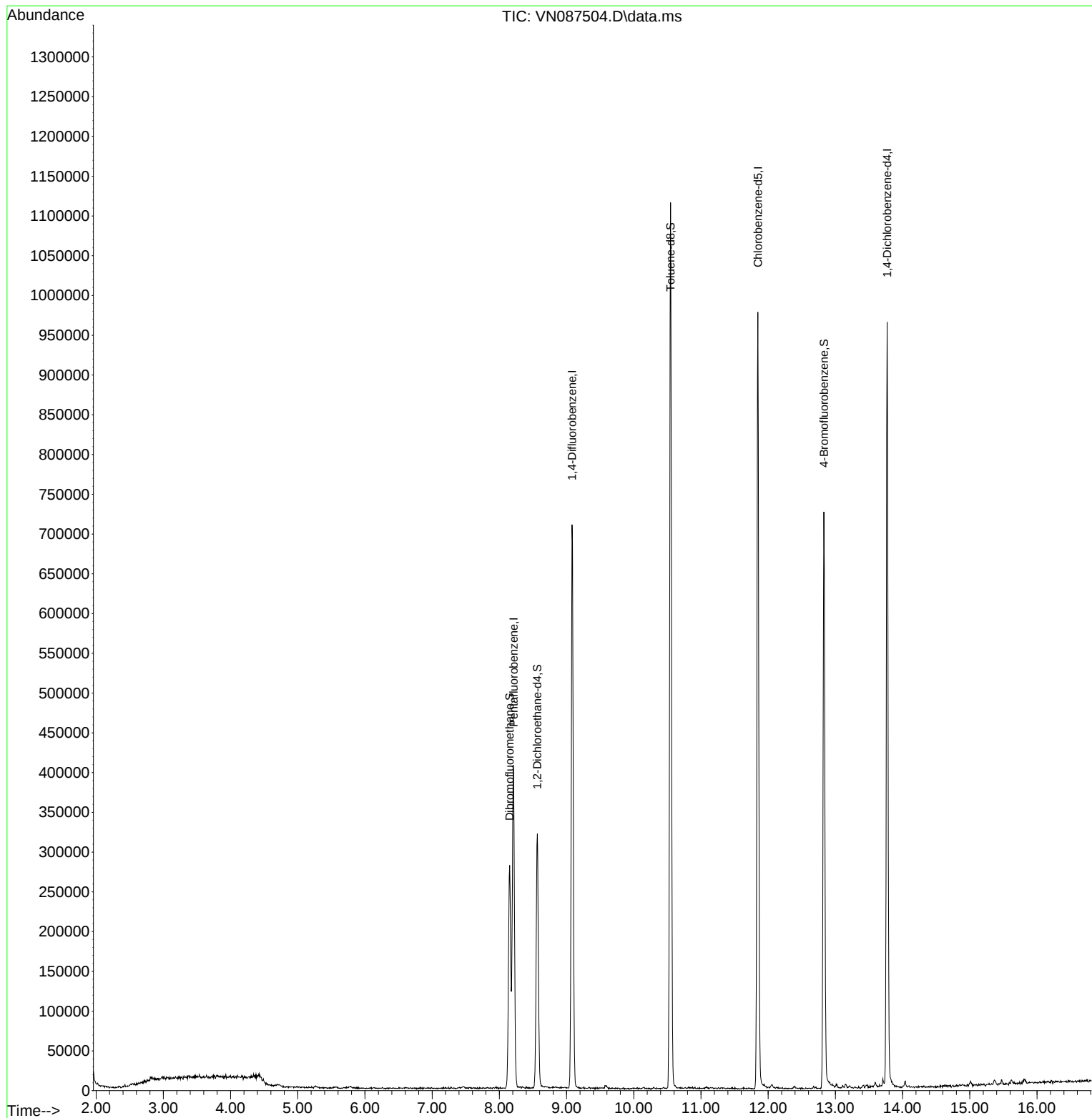
Target Compounds	Qvalue

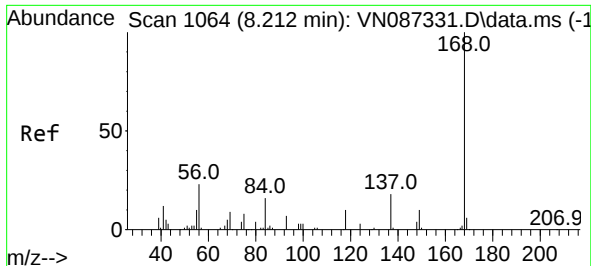
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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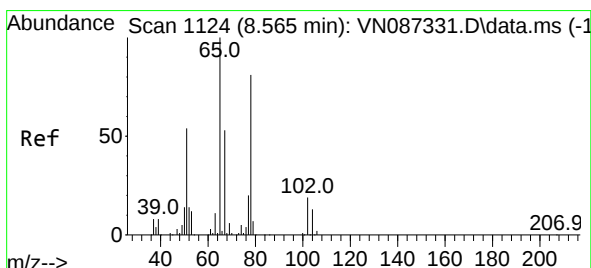
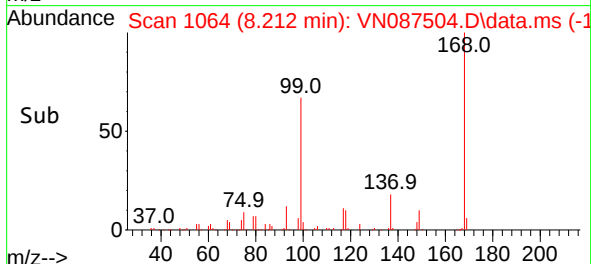
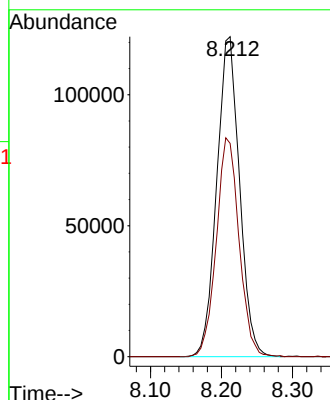
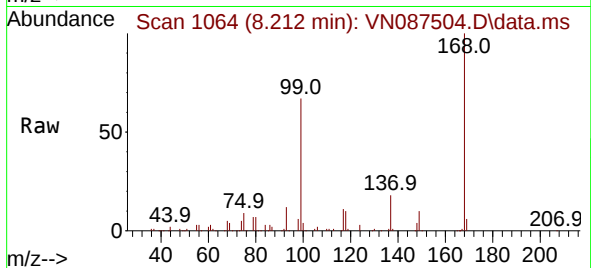




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

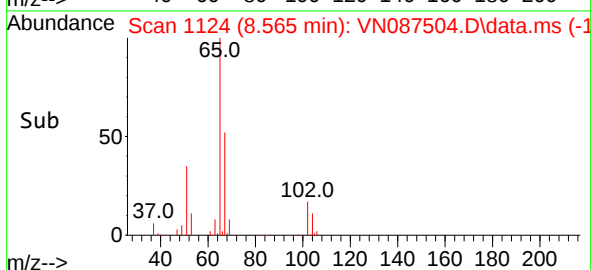
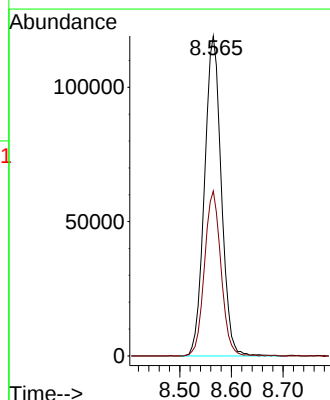
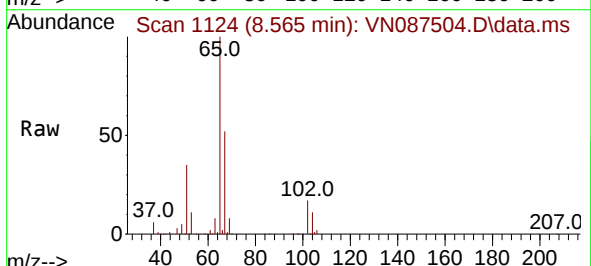
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

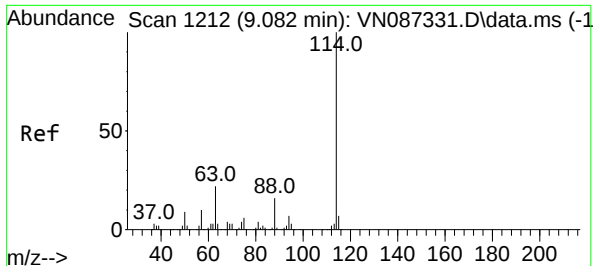
Tgt Ion:168 Resp: 271221
Ion Ratio Lower Upper
168 100
99 66.6 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 58.372 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

Tgt Ion: 65 Resp: 268632
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.0

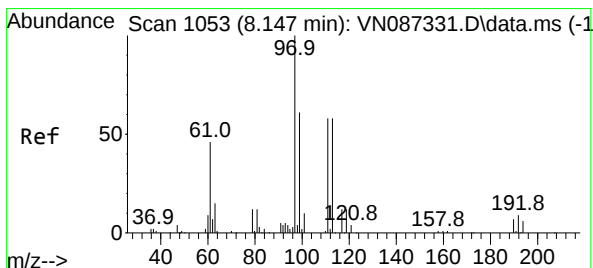
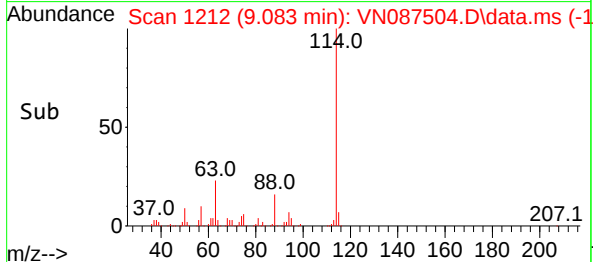
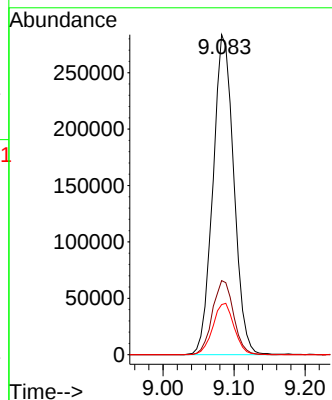
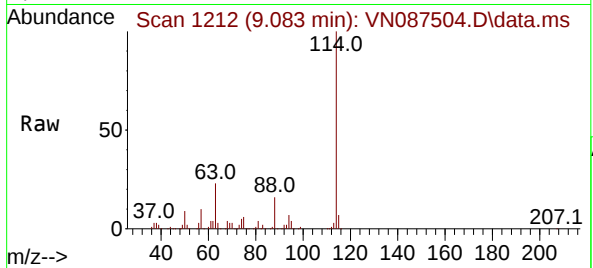




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

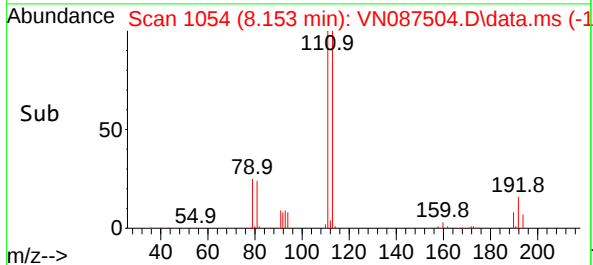
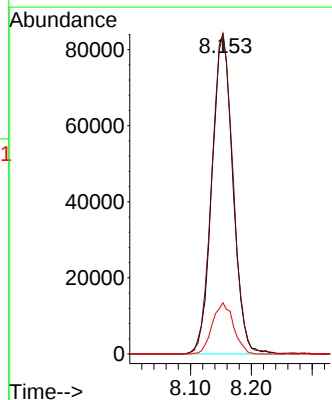
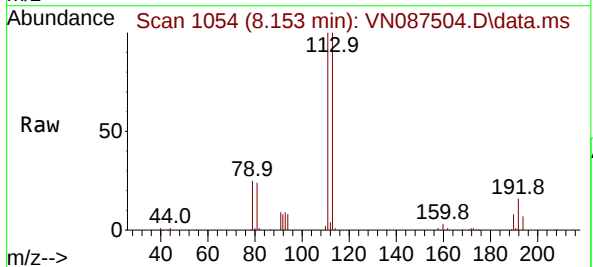
Instrument :
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VN0812WBL01

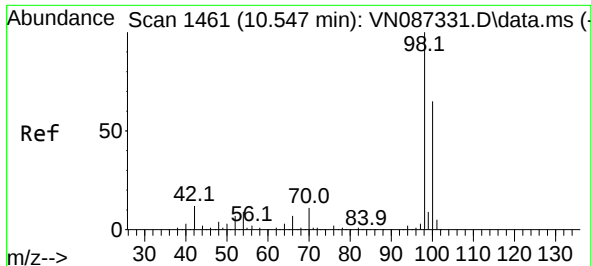
Tgt Ion:114 Resp: 578160
Ion Ratio Lower Upper
114 100
63 23.2 0.0 44.6
88 15.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.255 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

Tgt Ion:113 Resp: 200423
Ion Ratio Lower Upper
113 100
111 101.9 82.5 123.7
192 16.2 13.7 20.5

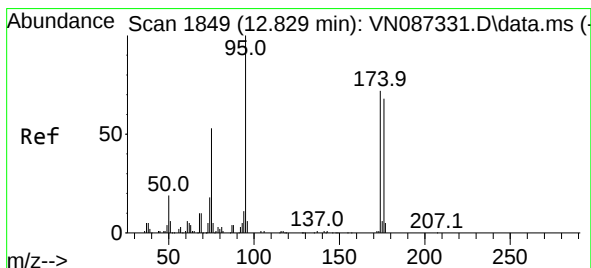
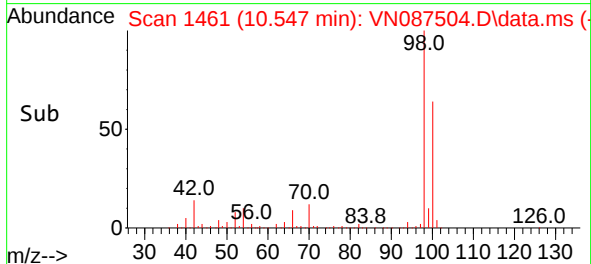
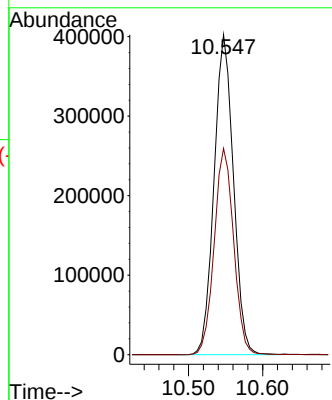
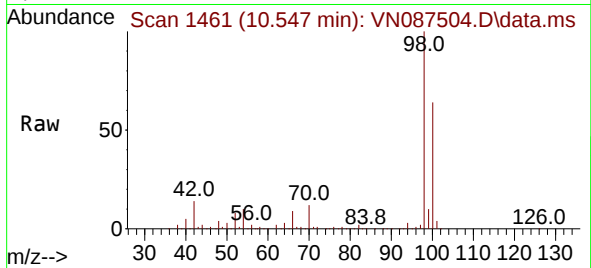




#50
Toluene-d8
Concen: 51.316 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

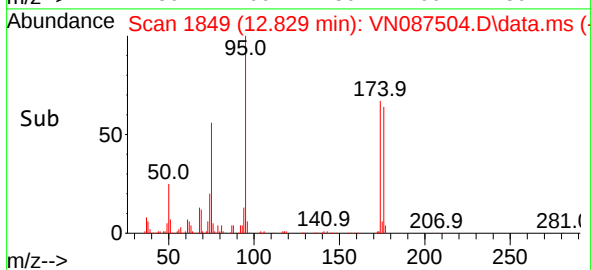
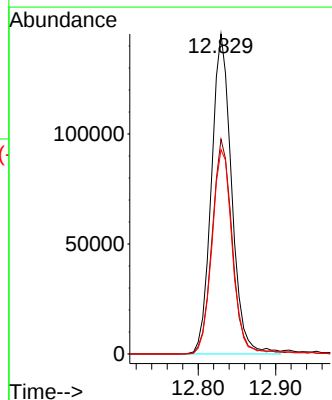
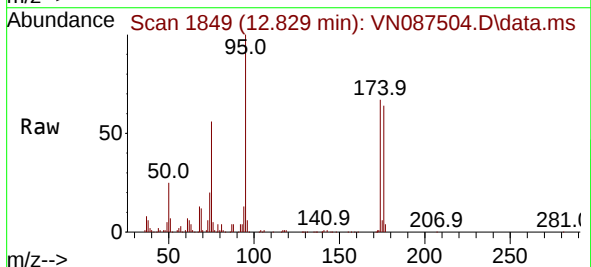
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

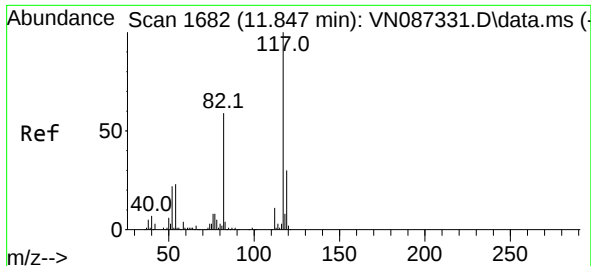
Tgt Ion: 98 Resp: 730025
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 50.120 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

Tgt Ion: 95 Resp: 263428
Ion Ratio Lower Upper
95 100
174 66.9 0.0 149.4
176 64.7 0.0 141.2

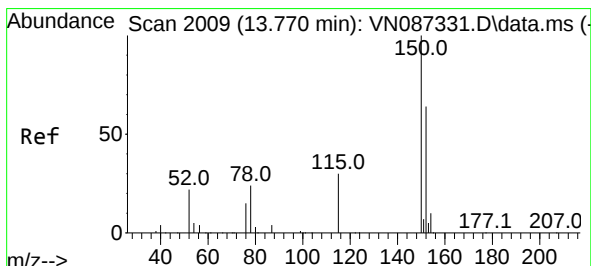
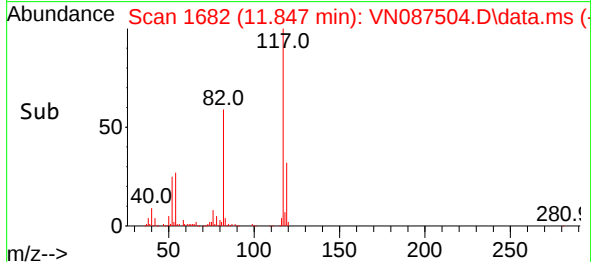
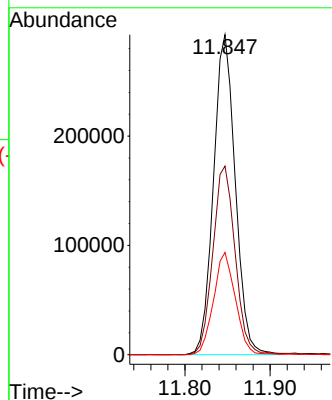
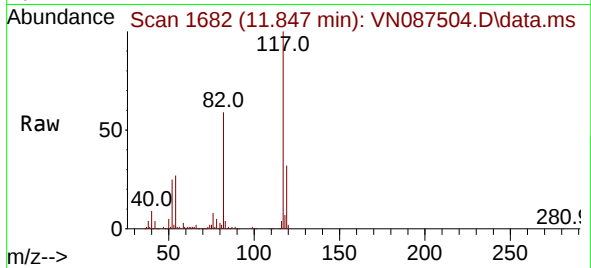




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

Tgt Ion:117 Resp: 521832
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 31.9 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: VN087504.D
Acq: 12 Aug 2025 11:07

Tgt Ion:152 Resp: 242445
Ion Ratio Lower Upper
152 100
115 66.0 31.1 93.5
150 156.6 0.0 349.0

