

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087517.D
 Acq On : 12 Aug 2025 16:13
 Operator : JC\MD
 Sample : Q2816-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1061-TB080725

Quant Time: Aug 13 03:06:58 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	236735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	521055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	471277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215113	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	242926	60.476	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	120.960%
35) Dibromofluoromethane	8.153	113	180468	50.210	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.420%
50) Toluene-d8	10.547	98	657992	51.321	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.640%
62) 4-Bromofluorobenzene	12.829	95	240314	50.734	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.460%

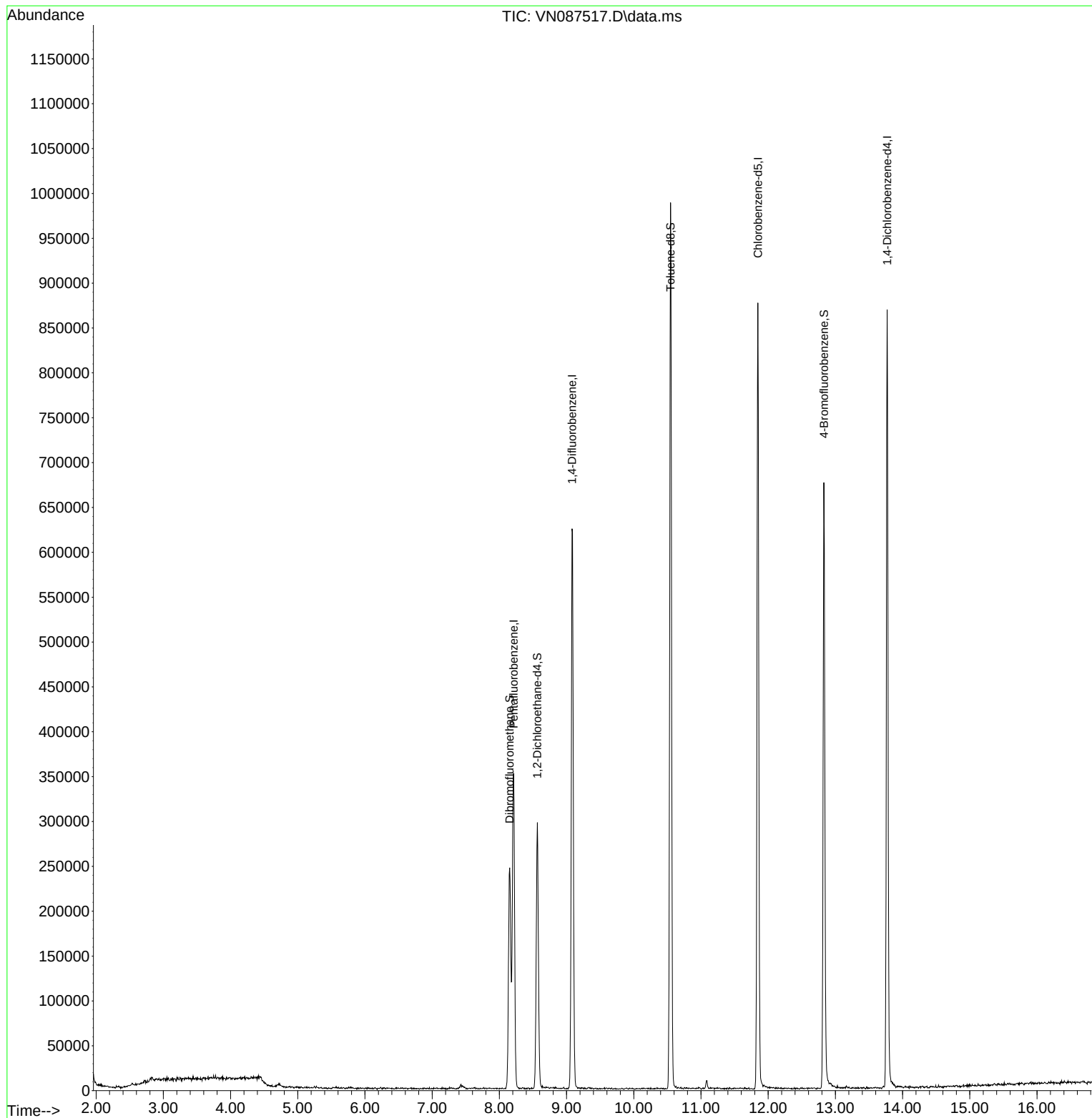
Target Compounds	Qvalue

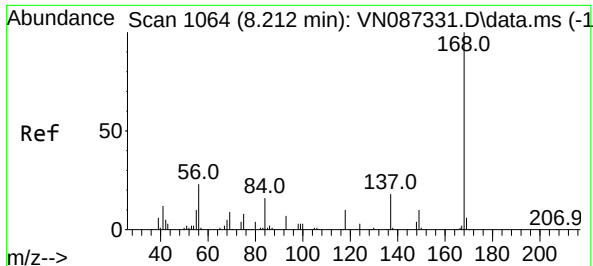
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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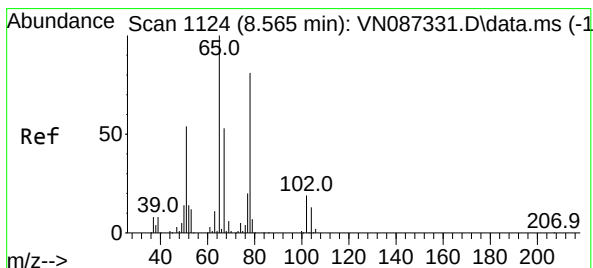
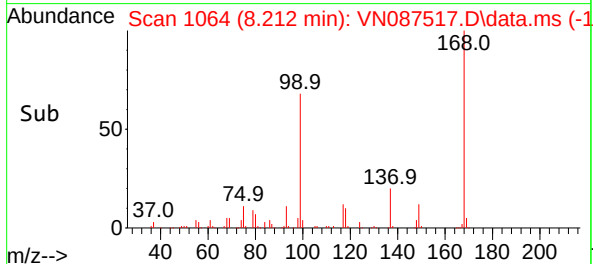
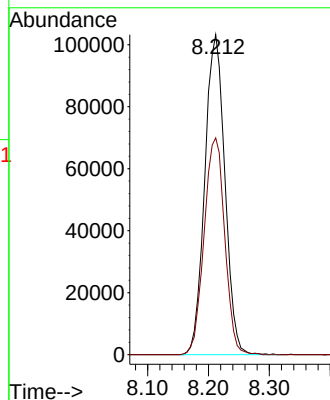
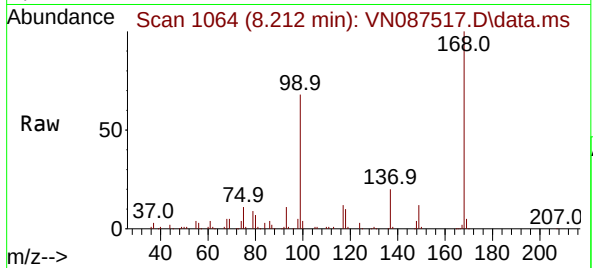




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

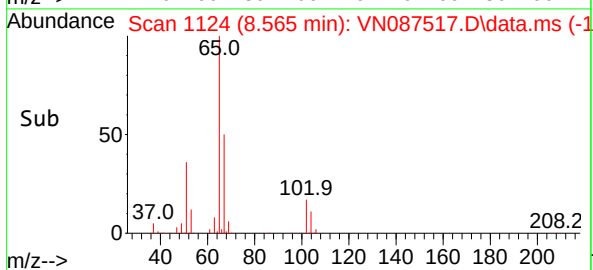
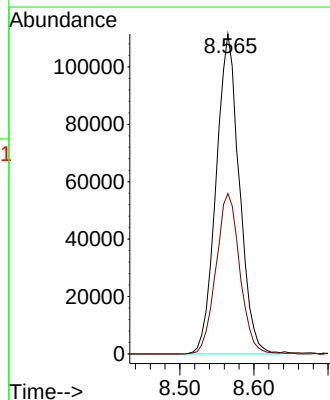
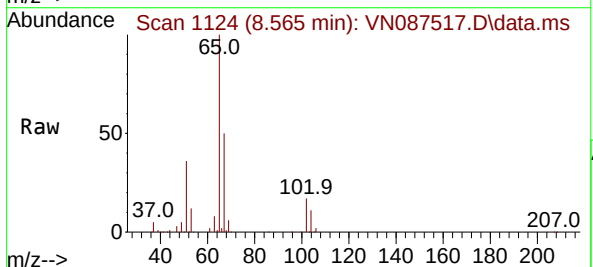
Instrument :
MSVOA_N
ClientSampleId :
1061-TB080725

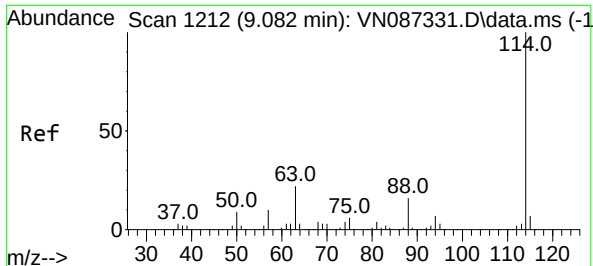
Tgt Ion:168 Resp: 236735
Ion Ratio Lower Upper
168 100
99 67.7 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 60.476 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

Tgt Ion: 65 Resp: 242926
Ion Ratio Lower Upper
65 100
67 51.3 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: VN087517.D

Acq: 12 Aug 2025 16:13

Instrument :

MSVOA_N

ClientSampleId :

1061-TB080725

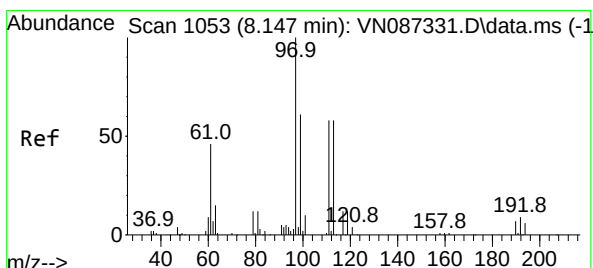
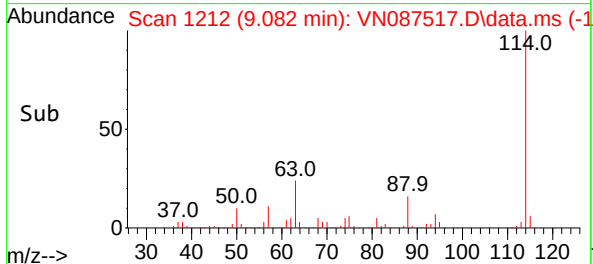
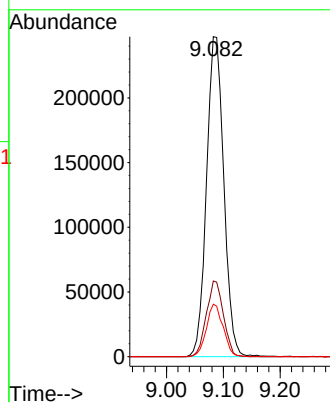
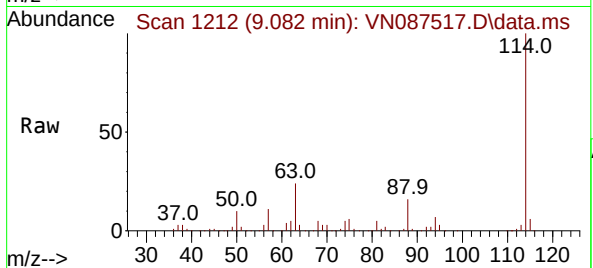
Tgt Ion:114 Resp: 521055

Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.6

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.210 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087517.D

Acq: 12 Aug 2025 16:13

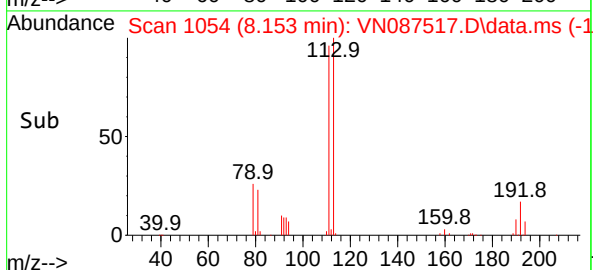
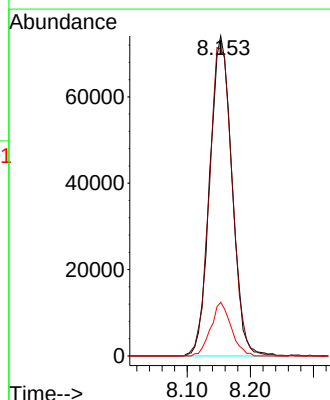
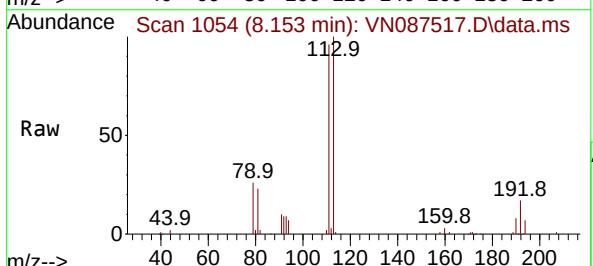
Tgt Ion:113 Resp: 180468

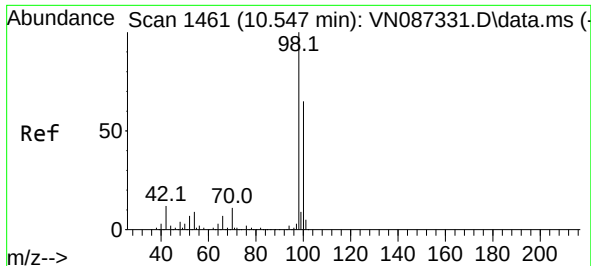
Ion Ratio Lower Upper

113 100

111 100.5 82.5 123.7

192 15.4 13.7 20.5

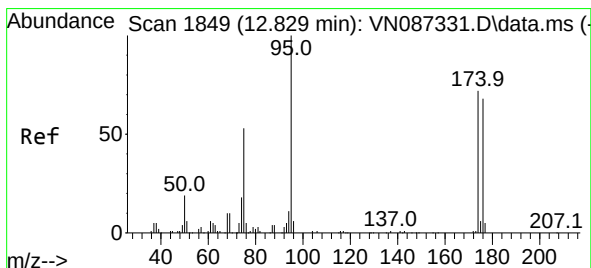
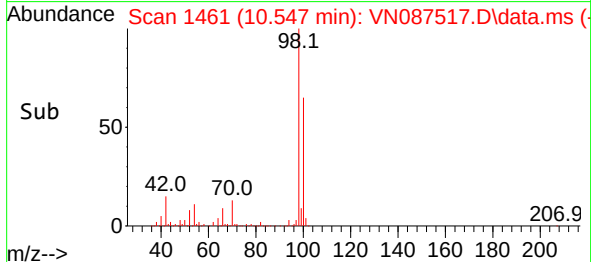
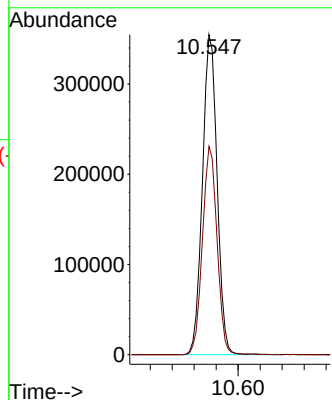
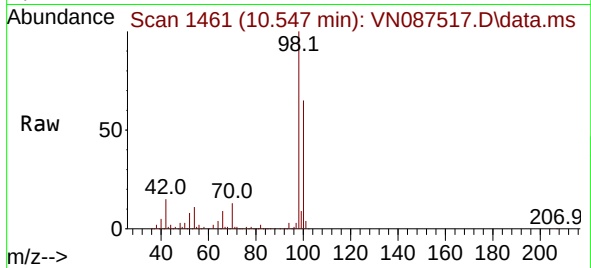




#50
Toluene-d8
Concen: 51.321 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

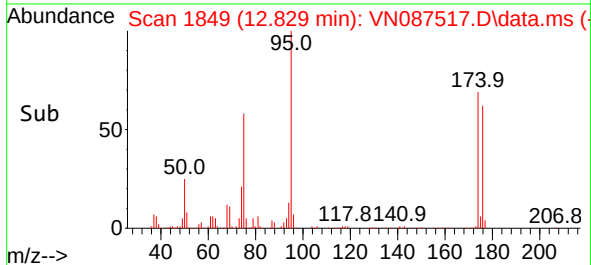
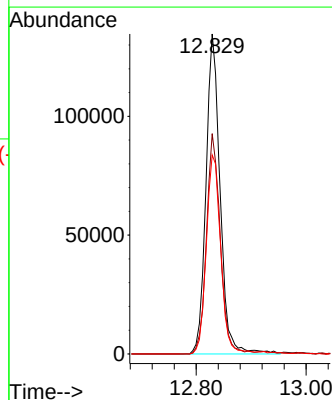
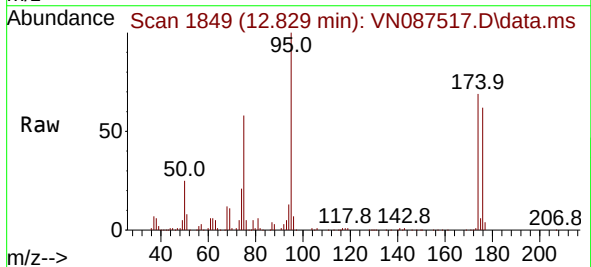
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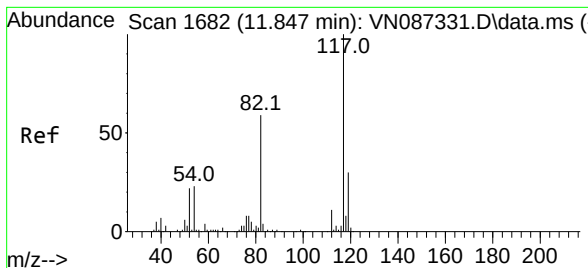
Tgt Ion: 98 Resp: 657992
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 50.734 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

Tgt Ion: 95 Resp: 240314
Ion Ratio Lower Upper
95 100
174 67.1 0.0 149.4
176 63.5 0.0 141.2

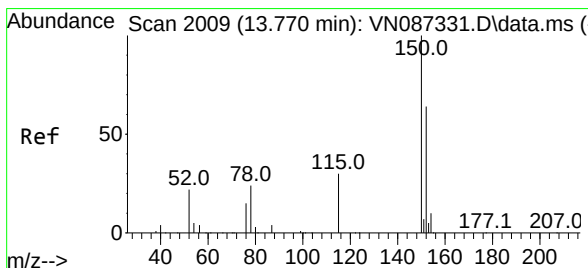
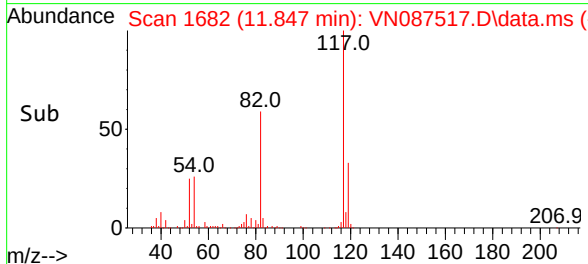
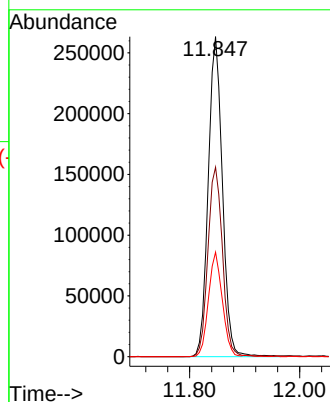
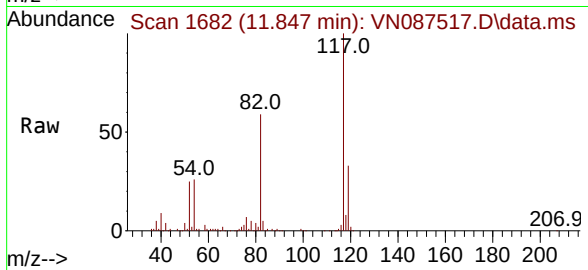




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

Instrument :
MSVOA_N
ClientSampleId :
1061-TB080725

Tgt Ion:117 Resp: 471277
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 32.7 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: VN087517.D
Acq: 12 Aug 2025 16:13

Tgt Ion:152 Resp: 215113
Ion Ratio Lower Upper
152 100
115 65.1 31.1 93.5
150 156.5 0.0 349.0

