

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
 Data File : VN087799.D
 Acq On : 11 Sep 2025 15:45
 Operator : JC\MD
 Sample : Q3078-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 250910064-01-TRIP-BLANK

Quant Time: Sep 12 02:54:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	174645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	403546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	384181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	178191	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	183326	51.233	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.460%
35) Dibromofluoromethane	8.147	113	149041	51.154	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.300%
50) Toluene-d8	10.547	98	524851	48.129	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.260%
62) 4-Bromofluorobenzene	12.829	95	170158	43.876	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	87.760%

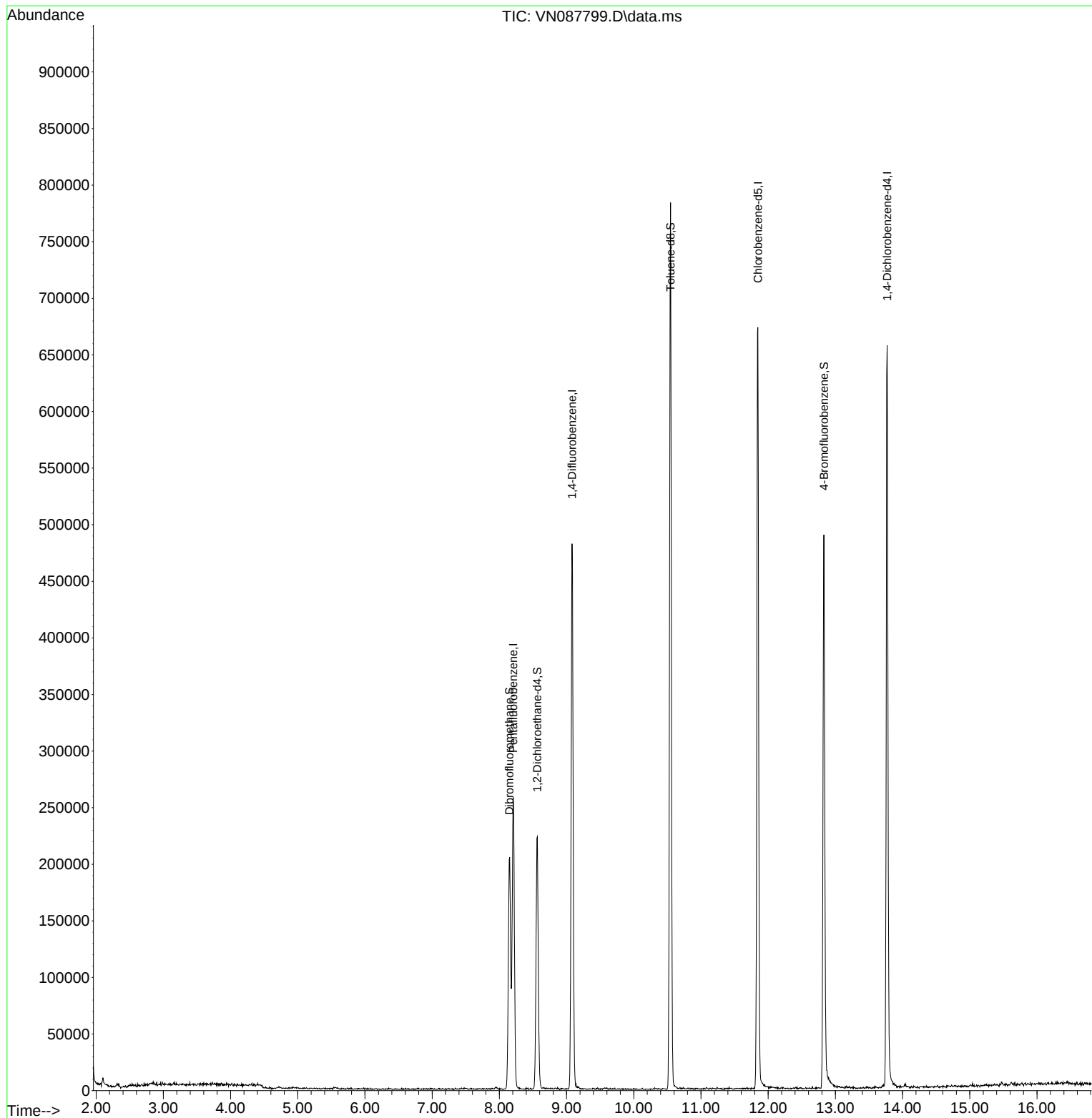
Target Compounds	Qvalue

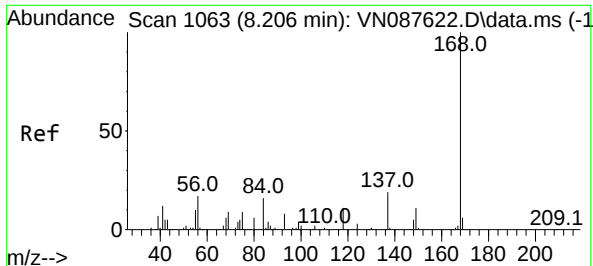
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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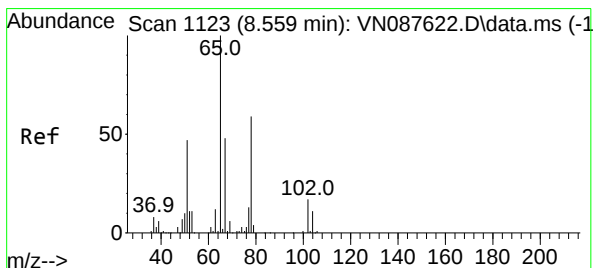
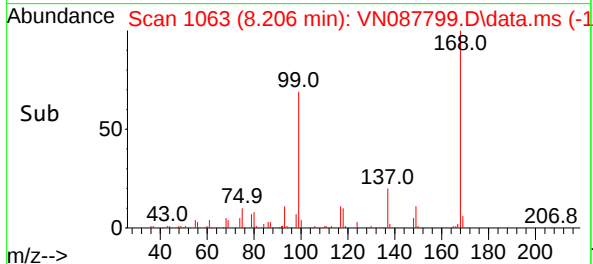
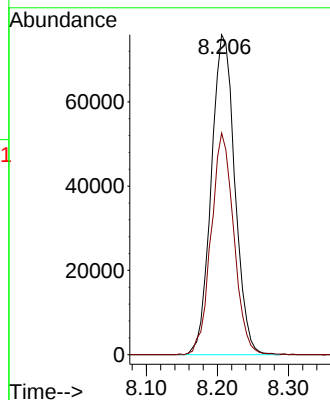
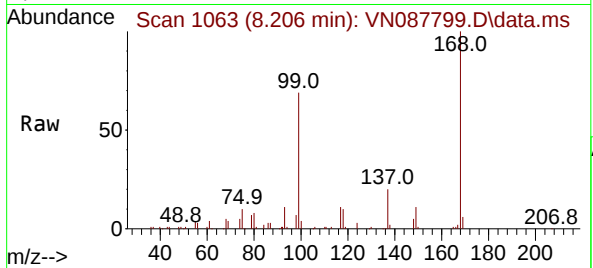




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

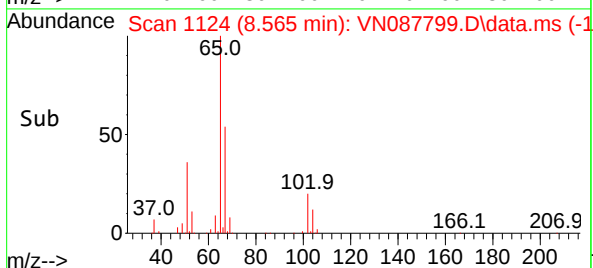
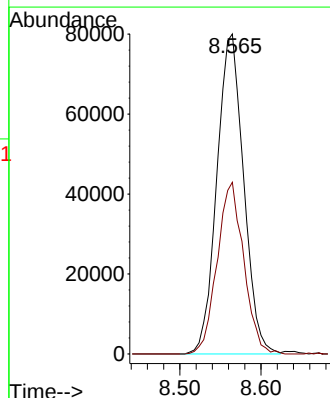
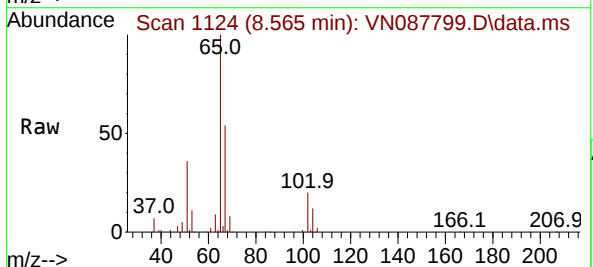
Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

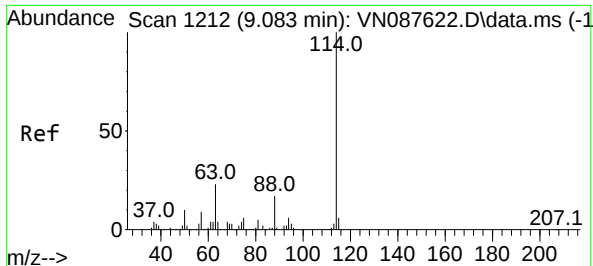
Tgt Ion:168 Resp: 174645
Ion Ratio Lower Upper
168 100
99 69.0 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 51.233 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion: 65 Resp: 183326
Ion Ratio Lower Upper
65 100
67 53.3 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087799.D

Acq: 11 Sep 2025 15:45

Instrument :

MSVOA_N

ClientSampleId :

250910064-01-TRIP-BLANK

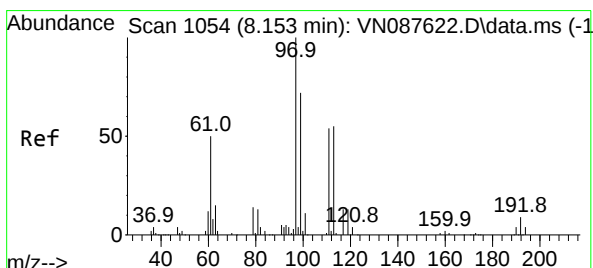
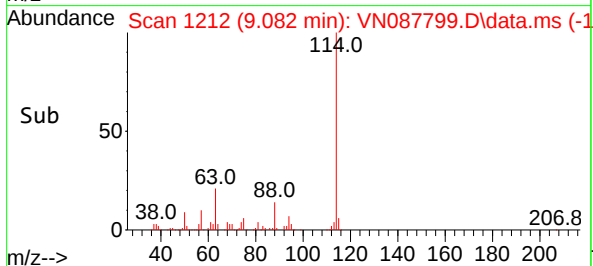
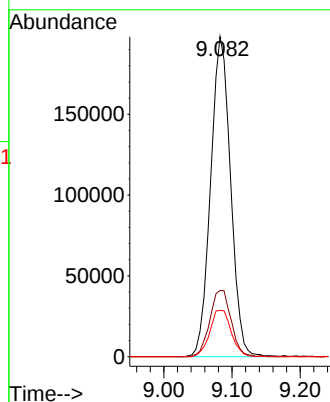
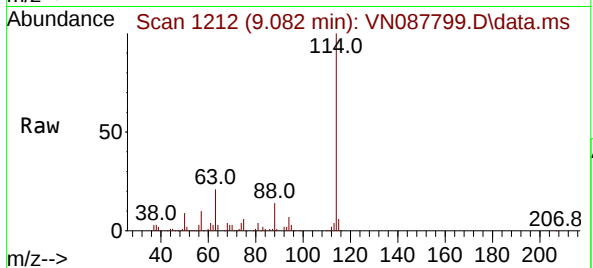
Tgt Ion:114 Resp: 403546

Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.2

88 14.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.154 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087799.D

Acq: 11 Sep 2025 15:45

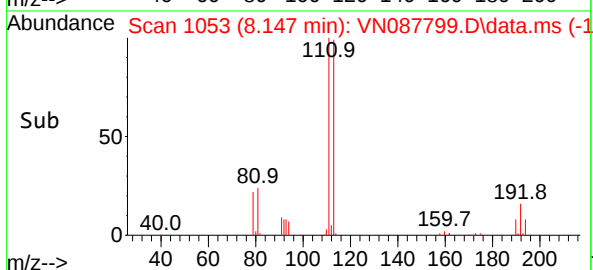
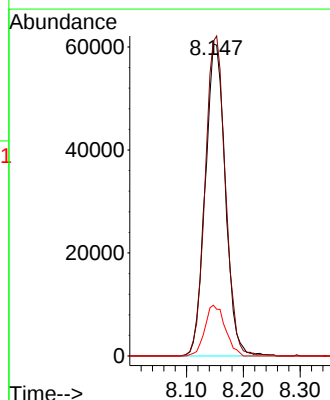
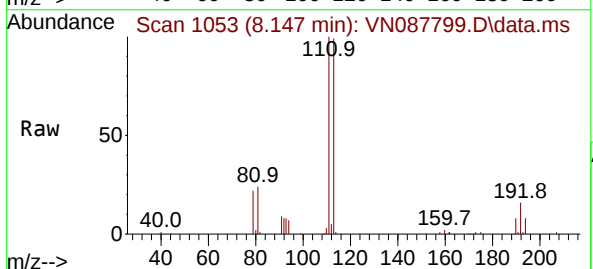
Tgt Ion:113 Resp: 149041

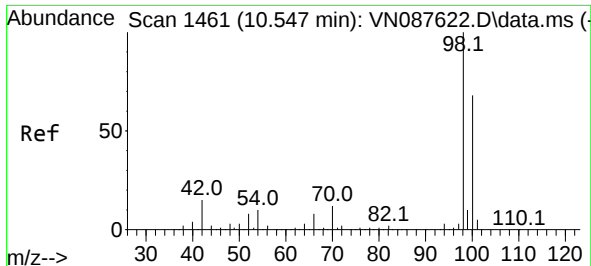
Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

192 16.5 12.8 19.2

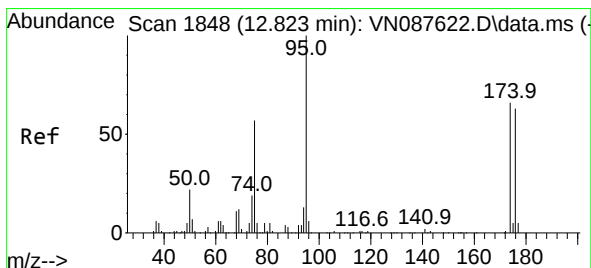
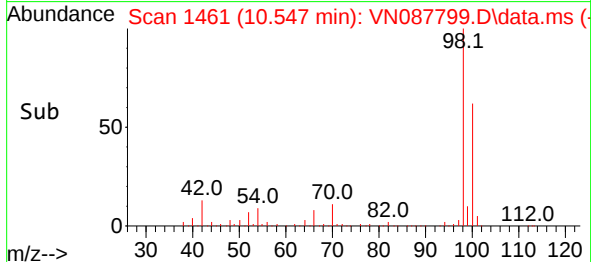
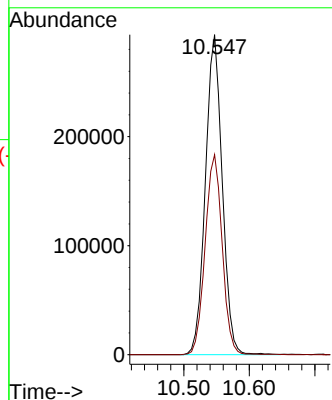
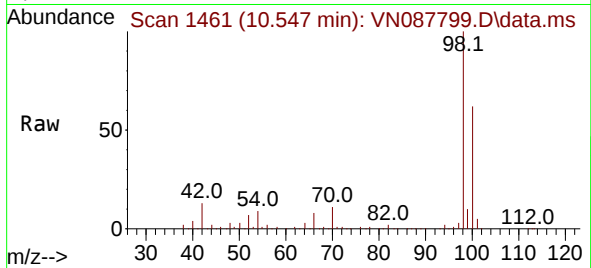




#50
Toluene-d8
Concen: 48.129 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

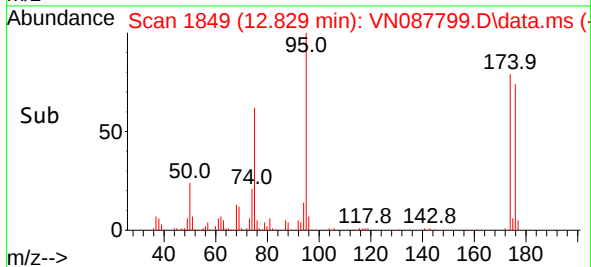
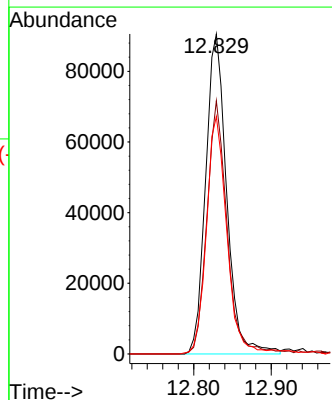
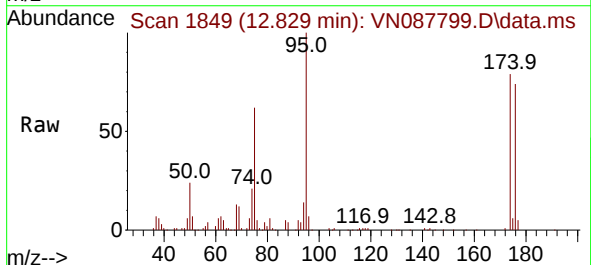
Instrument :
MSVOA_N
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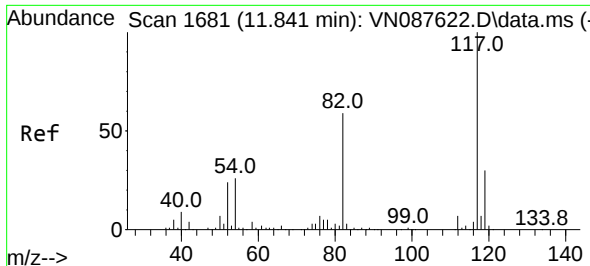
Tgt Ion: 98 Resp: 524851
Ion Ratio Lower Upper
98 100
100 63.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 43.876 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion: 95 Resp: 170158
Ion Ratio Lower Upper
95 100
174 76.0 0.0 138.4
176 73.1 0.0 132.6

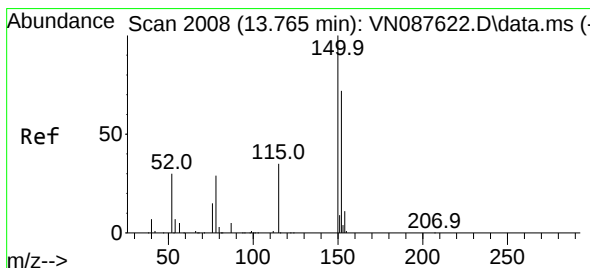
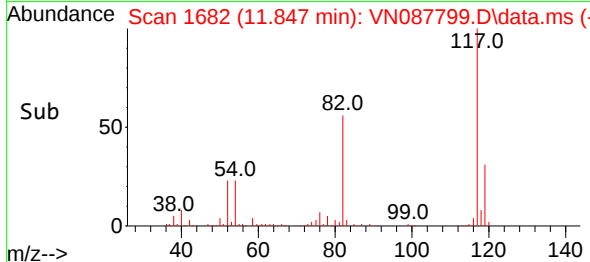
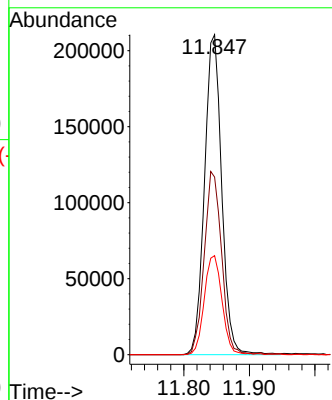
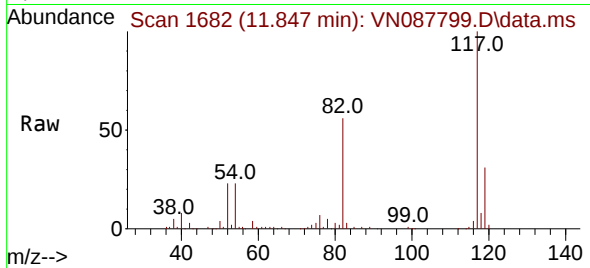




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

Tgt Ion:117 Resp: 384181
Ion Ratio Lower Upper
117 100
82 55.5 47.4 71.2
119 30.9 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion:152 Resp: 178191
Ion Ratio Lower Upper
152 100
115 62.9 32.3 96.8
150 157.6 0.0 351.0

