

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
 Data File : VN087699.D
 Acq On : 29 Aug 2025 14:54
 Operator : JC\MD
 Sample : Q2982-01
 Misc : 2.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0237

Quant Time: Aug 29 22:56:03 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	8.200	168	145890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	345543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	307393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	126874	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	166152	55.586	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.180%
35) Dibromofluoromethane	8.141	113	125437	50.279	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.560%
50) Toluene-d8	10.541	98	443881	47.537	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.080%
62) 4-Bromofluorobenzene	12.829	95	130838	39.400	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	78.800%

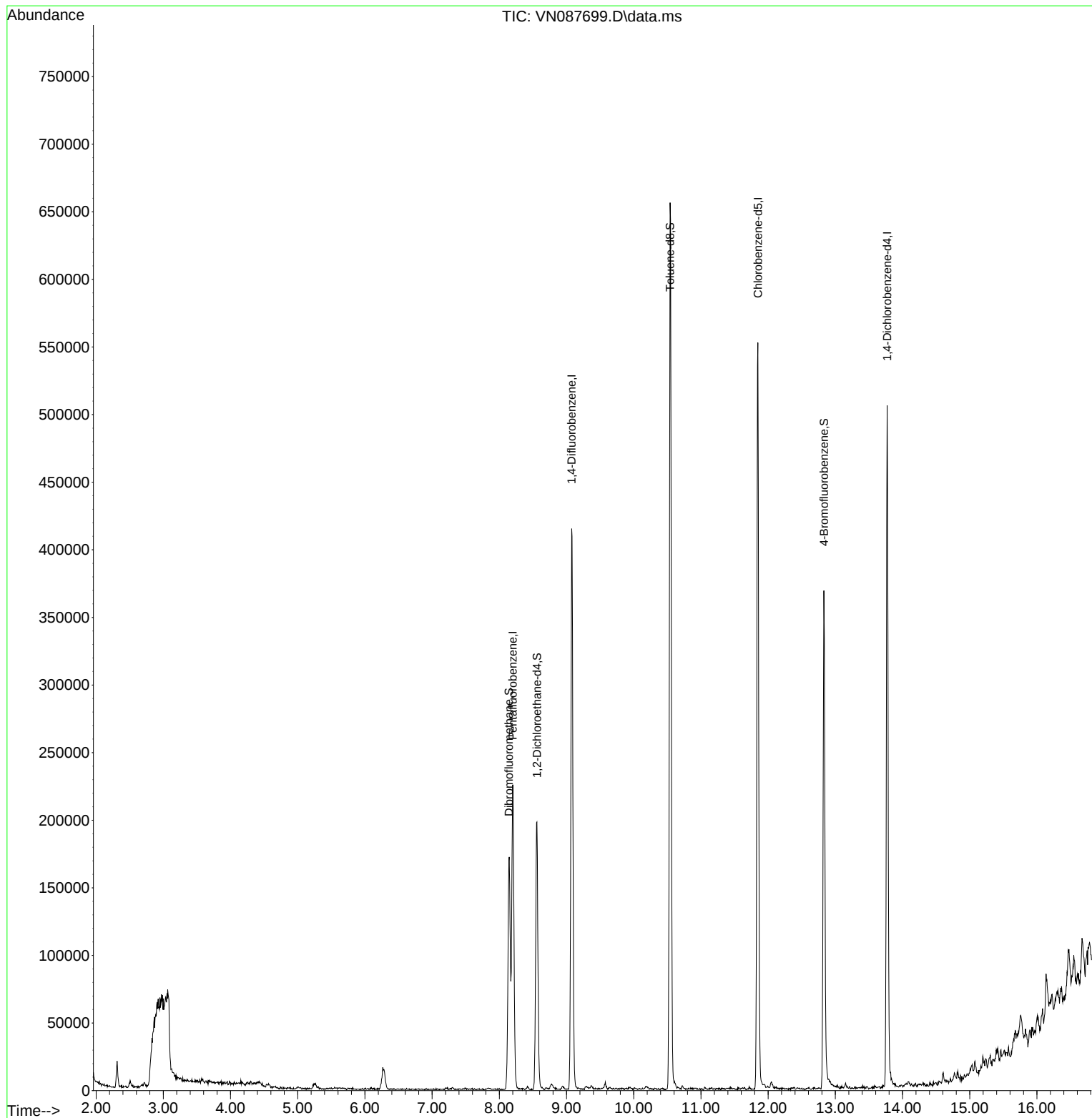
Target Compounds	Qvalue

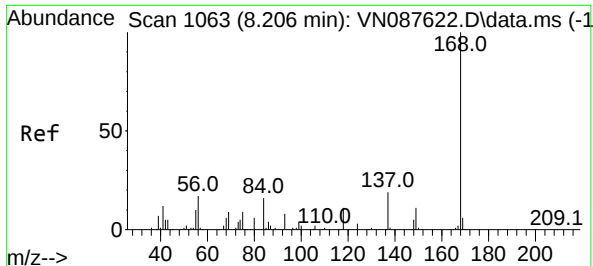
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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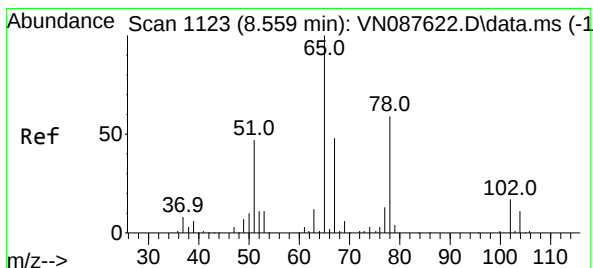
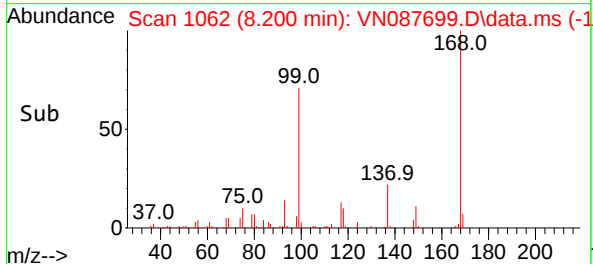
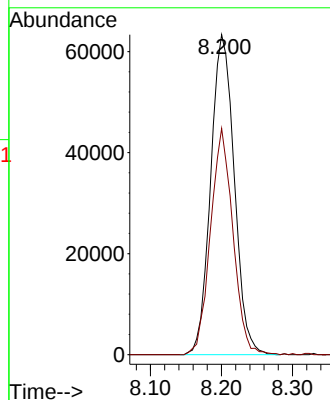
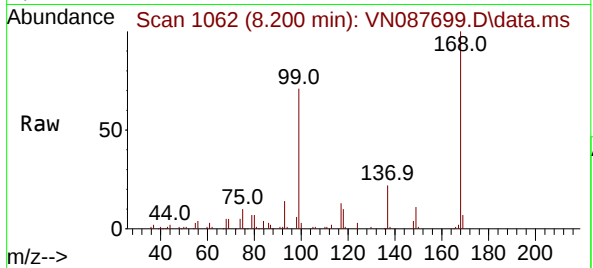




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087699.D
Acq: 29 Aug 2025 14:54

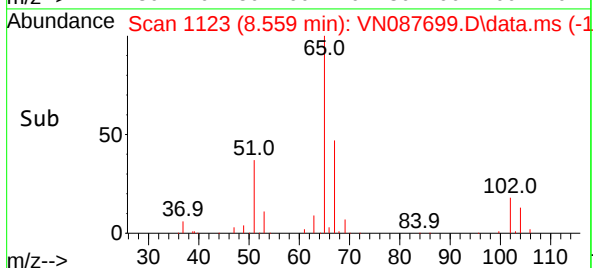
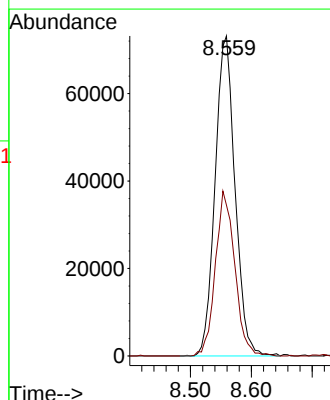
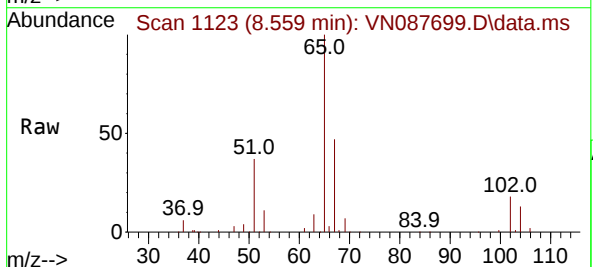
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0237

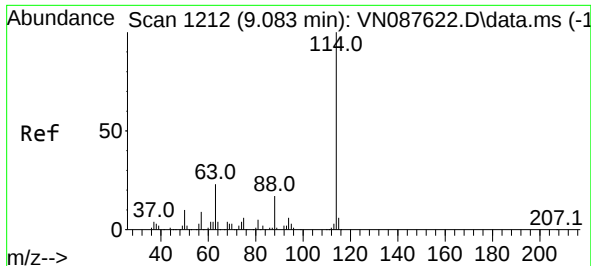
Tgt Ion:168 Resp: 145890
Ion Ratio Lower Upper
168 100
99 70.7 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 55.586 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087699.D
Acq: 29 Aug 2025 14:54

Tgt Ion: 65 Resp: 166152
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN087699.D

Acq: 29 Aug 2025 14:54

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0237

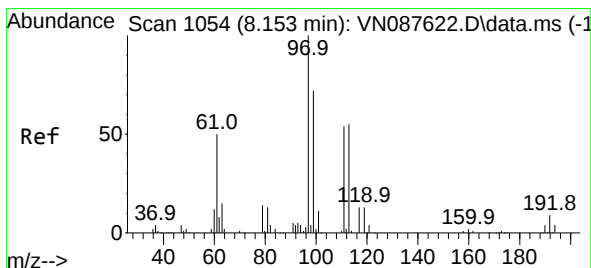
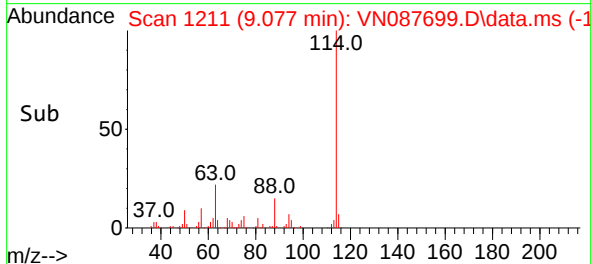
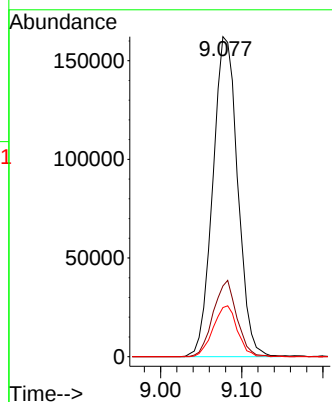
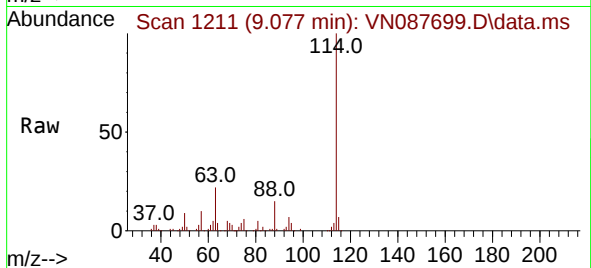
Tgt Ion:114 Resp: 345543

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.2

88 15.3 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.279 ug/l

RT: 8.141 min Scan# 1052

Delta R.T. -0.012 min

Lab File: VN087699.D

Acq: 29 Aug 2025 14:54

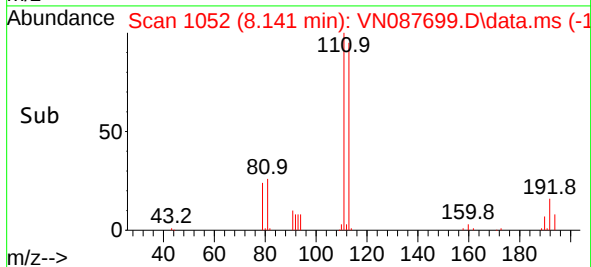
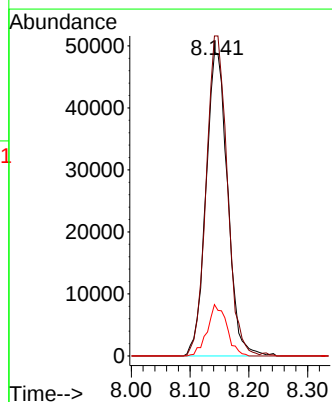
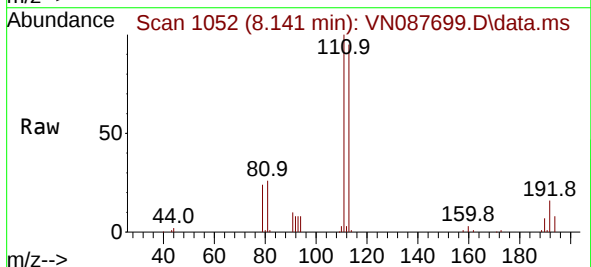
Tgt Ion:113 Resp: 125437

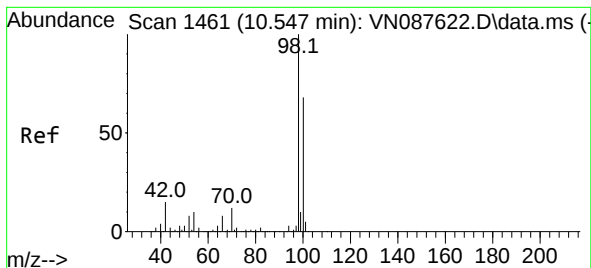
Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 15.2 12.8 19.2

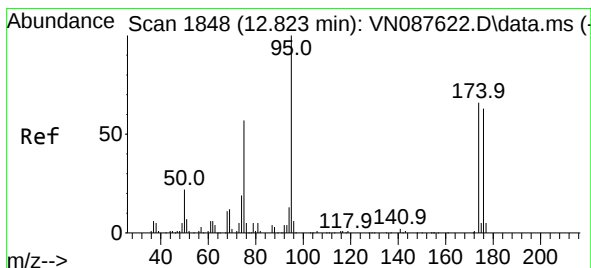
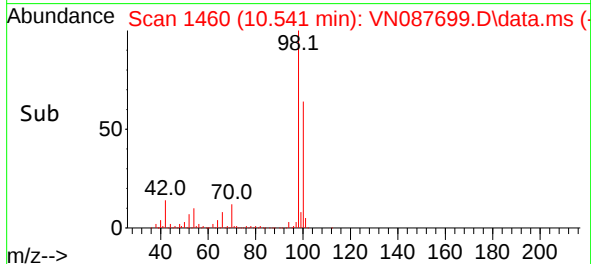
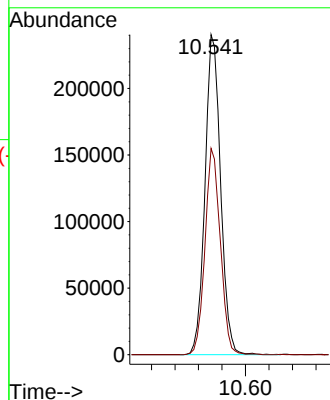
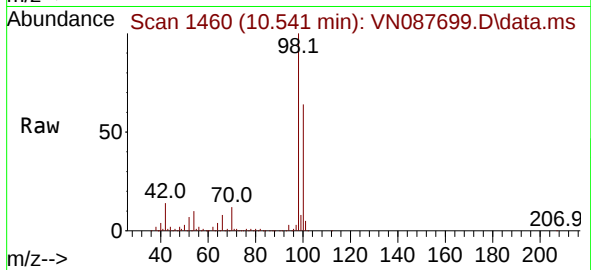




#50
Toluene-d8
Concen: 47.537 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN087699.D
Acq: 29 Aug 2025 14:54

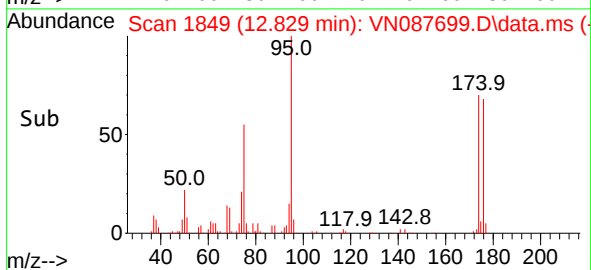
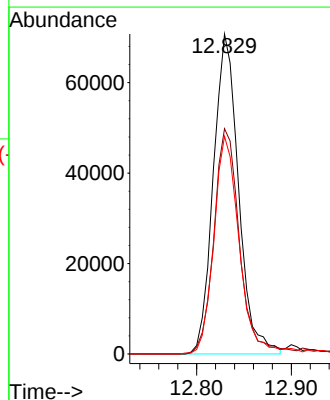
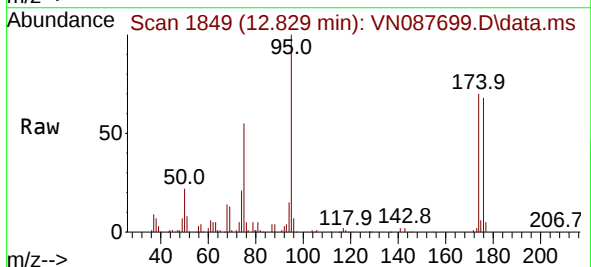
Instrument :
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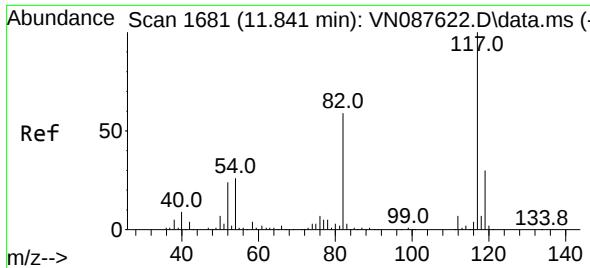
Tgt Ion: 98 Resp: 443881
Ion Ratio Lower Upper
98 100
100 63.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 39.400 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087699.D
Acq: 29 Aug 2025 14:54

Tgt Ion: 95 Resp: 130838
Ion Ratio Lower Upper
95 100
174 71.6 0.0 138.4
176 68.7 0.0 132.6

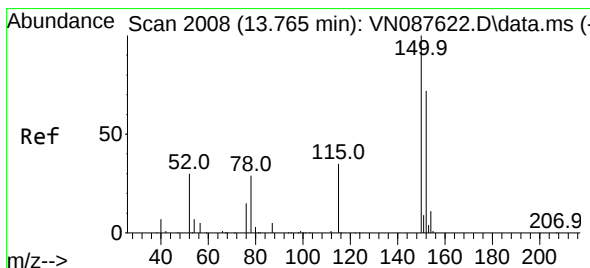
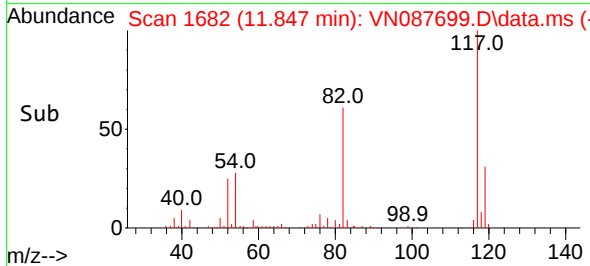
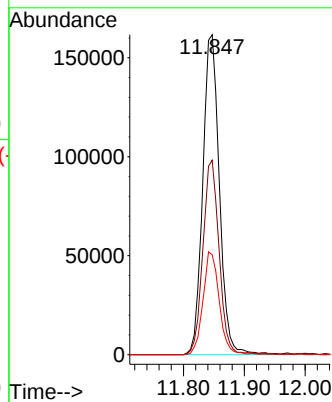
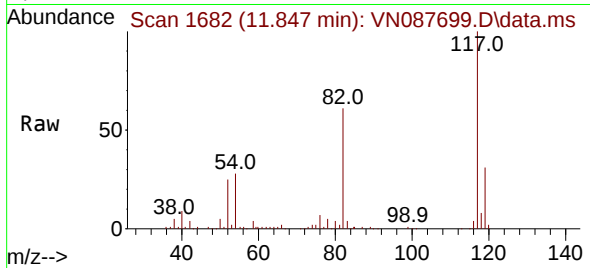




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087699.D
Acq: 29 Aug 2025 14:54

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0237

Tgt Ion:117 Resp: 307393
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 31.2 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087699.D
Acq: 29 Aug 2025 14:54

Tgt Ion:152 Resp: 126874
Ion Ratio Lower Upper
152 100
115 66.1 32.3 96.8
150 162.5 0.0 351.0

