

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
 Data File : VN087283.D
 Acq On : 07 Jul 2025 10:24
 Operator : JC\MD
 Sample : VN0707MBL01
 Misc : 5.00g/10mL/100ul/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0707MBL01

Quant Time: Jul 08 01:28:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	204300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	381218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	346515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173525	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	141625	55.234	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.460%
35) Dibromofluoromethane	8.171	113	125118	51.258	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.520%
50) Toluene-d8	10.565	98	453536	47.668	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.340%
62) 4-Bromofluorobenzene	12.847	95	149081	44.038	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.080%

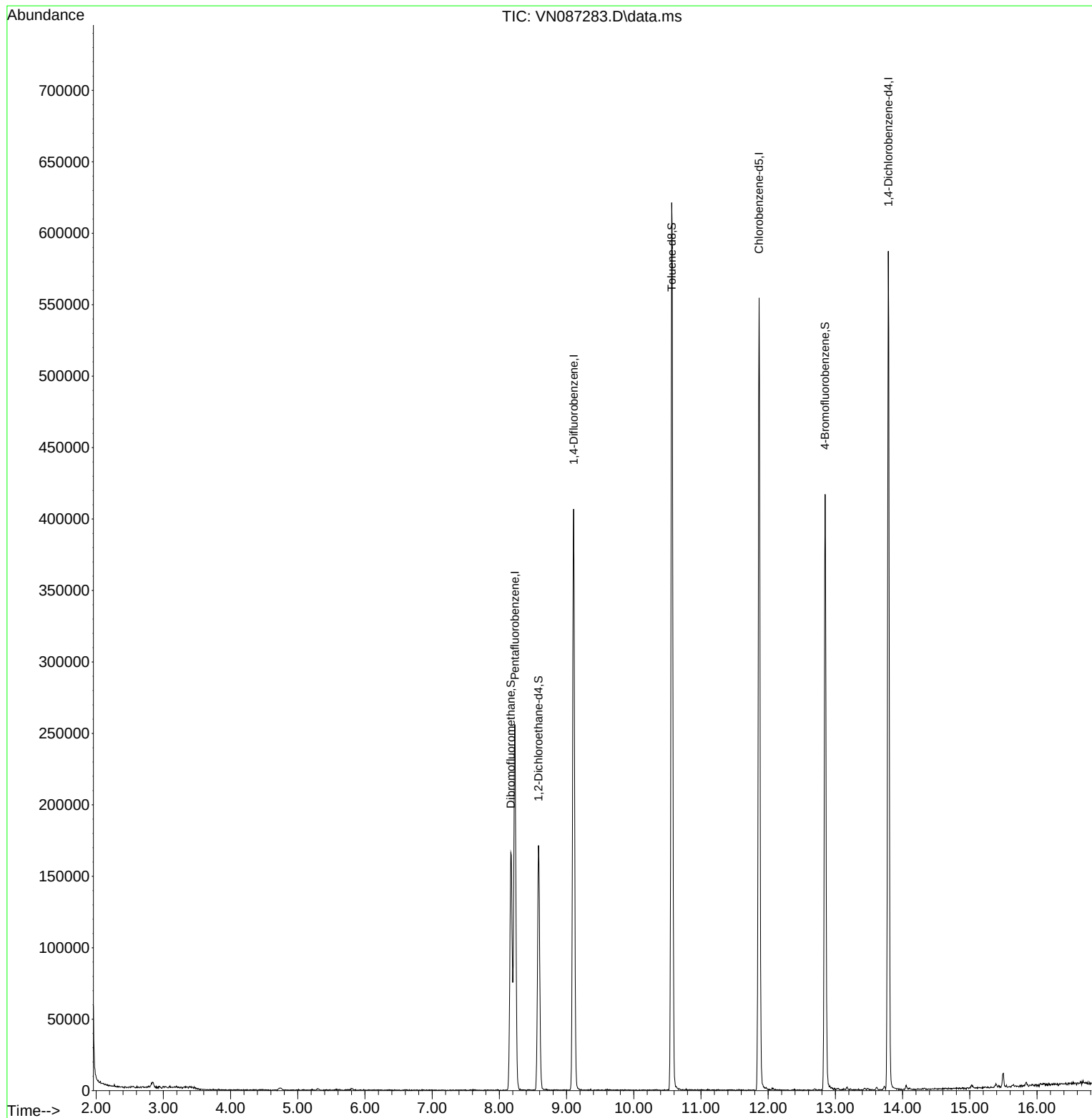
Target Compounds	Qvalue

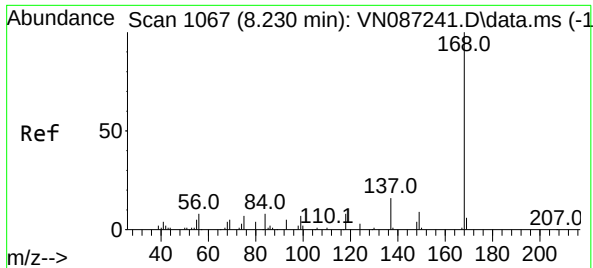
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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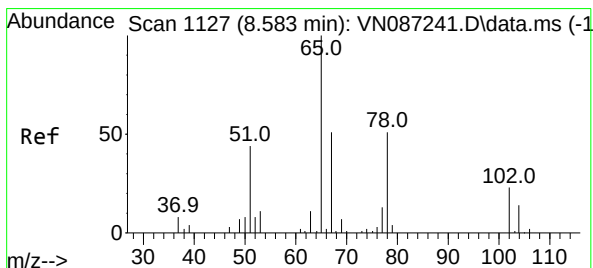
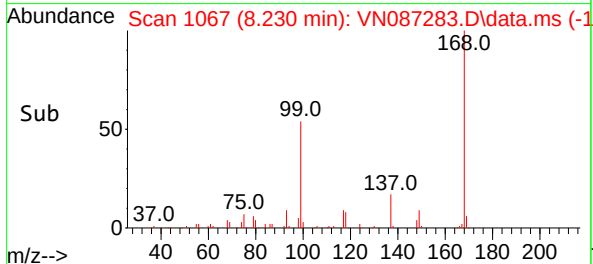
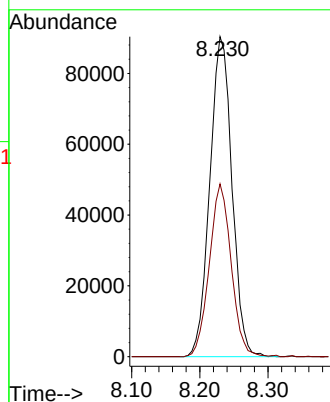
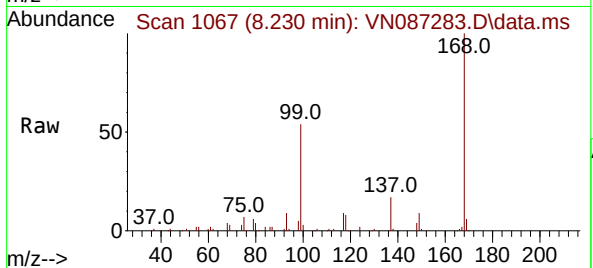




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:24

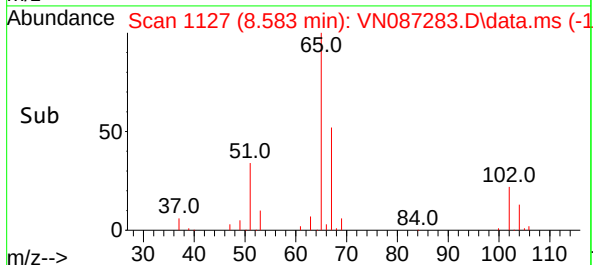
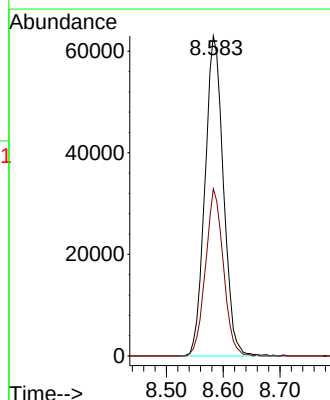
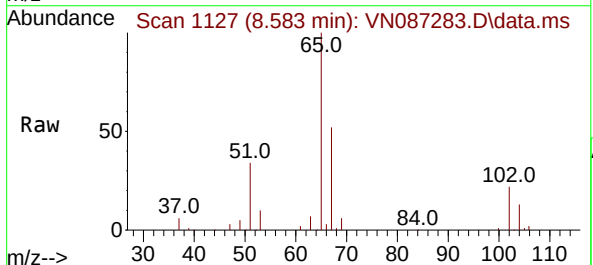
Instrument :
MSVOA_N
ClientSampleId :
VN0707MBL01

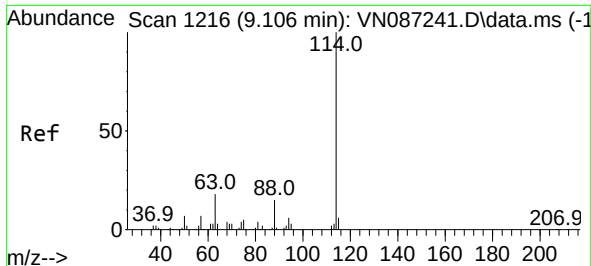
Tgt Ion:168 Resp: 204300
Ion Ratio Lower Upper
168 100
99 54.0 42.6 64.0



#33
1,2-Dichloroethane-d4
Concen: 55.234 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:24

Tgt Ion: 65 Resp: 141625
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087283.D

Acq: 07 Jul 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0707MBL01

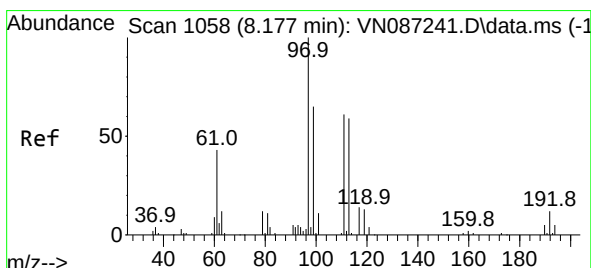
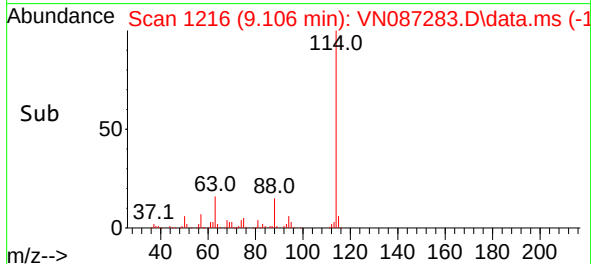
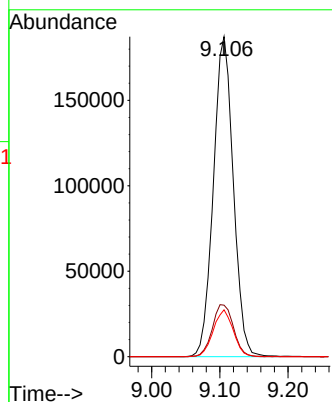
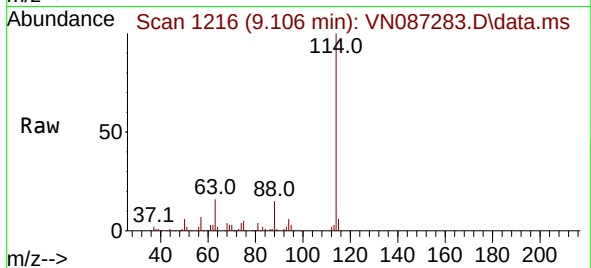
Tgt Ion:114 Resp: 381218

Ion Ratio Lower Upper

114 100

63 16.1 0.0 36.6

88 14.6 0.0 29.6



#35

Dibromofluoromethane

Concen: 51.258 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN087283.D

Acq: 07 Jul 2025 10:24

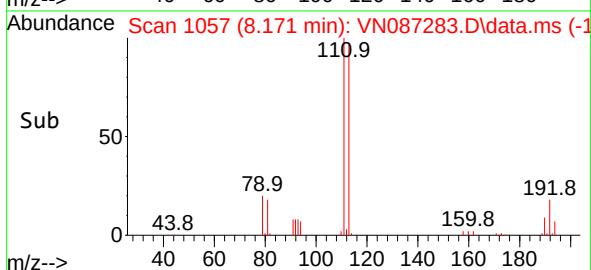
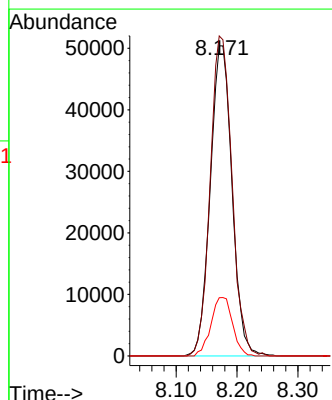
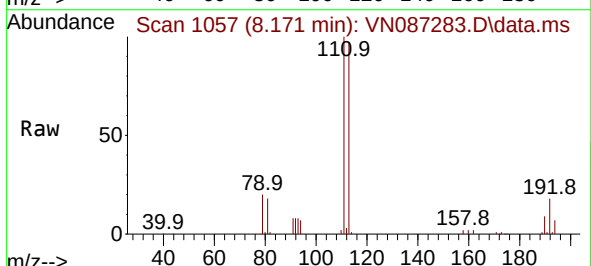
Tgt Ion:113 Resp: 125118

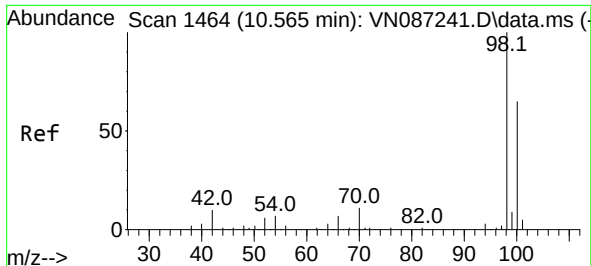
Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.2

192 18.7 15.1 22.7

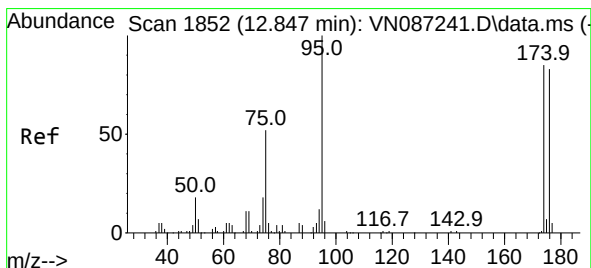
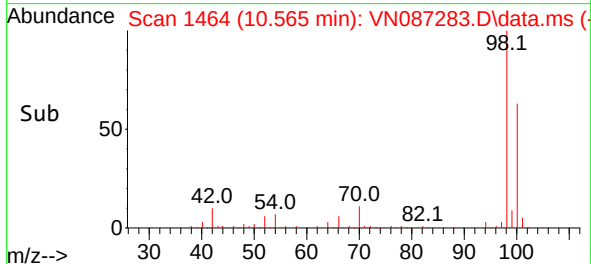
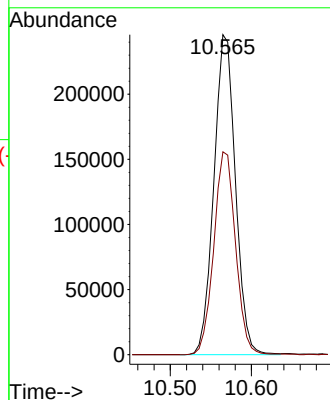
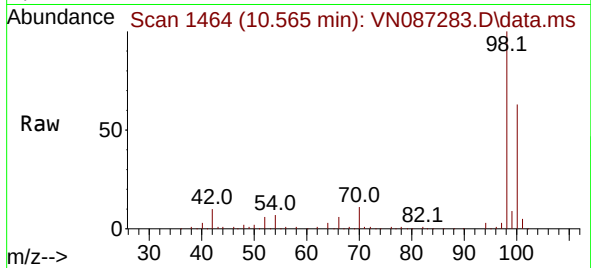




#50
Toluene-d8
Concen: 47.668 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:24

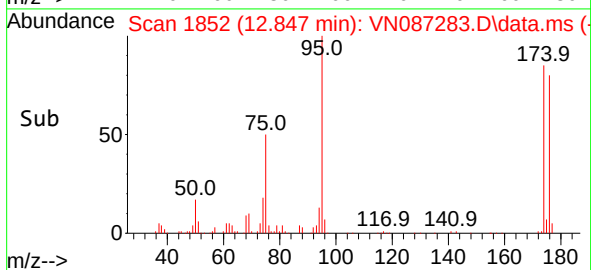
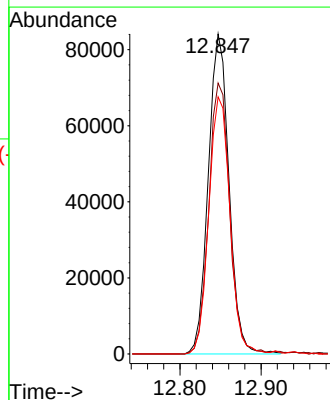
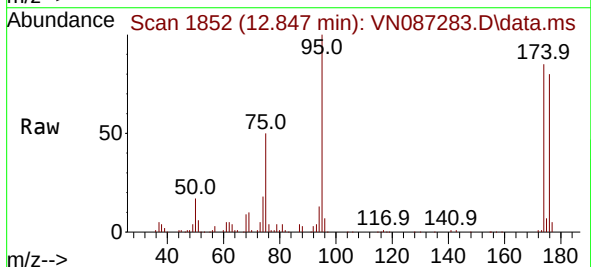
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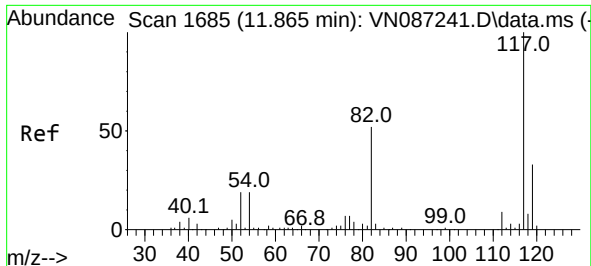
Tgt Ion: 98 Resp: 453536
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 44.038 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:24

Tgt Ion: 95 Resp: 149081
Ion Ratio Lower Upper
95 100
174 85.6 0.0 169.6
176 82.0 0.0 161.6

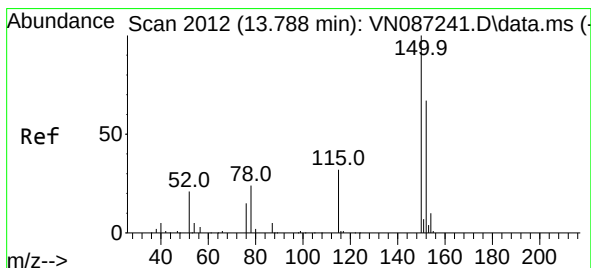
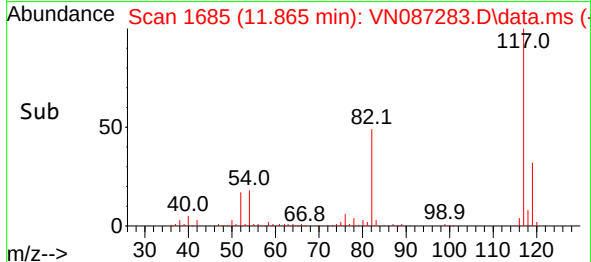
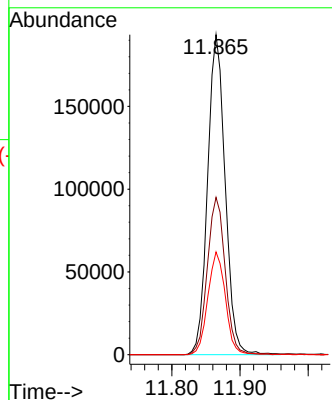
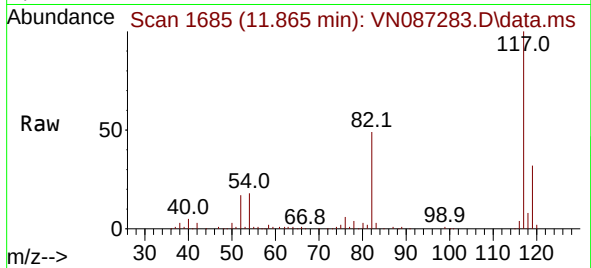




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0707MBL01

Tgt Ion:117 Resp: 346515
Ion Ratio Lower Upper
117 100
82 49.2 41.9 62.9
119 32.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:24

Tgt Ion:152 Resp: 173525
Ion Ratio Lower Upper
152 100
115 55.1 28.3 84.9
150 156.7 0.0 344.6

