

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086968.D
 Acq On : 12 Jun 2025 11:33
 Operator : JC\MD
 Sample : VN0612MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612MBL01

Quant Time: Jun 13 01:24:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	199089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	395205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	351464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167296	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	141926	53.244	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.480%
35) Dibromofluoromethane	8.171	113	120022	51.246	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.500%
50) Toluene-d8	10.571	98	482178	52.006	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.020%
62) 4-Bromofluorobenzene	12.847	95	171059	49.659	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.320%

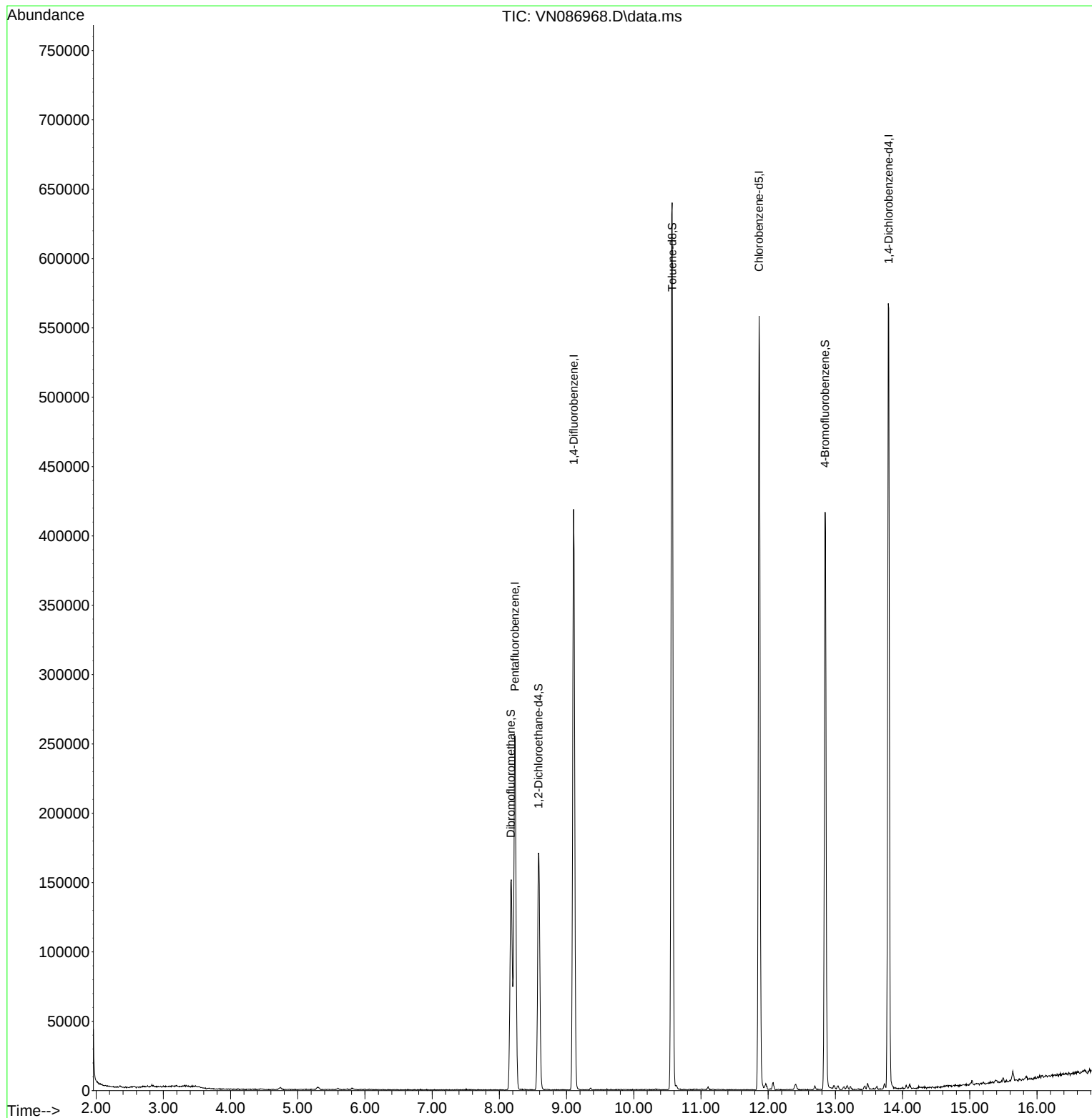
Target Compounds	Qvalue

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

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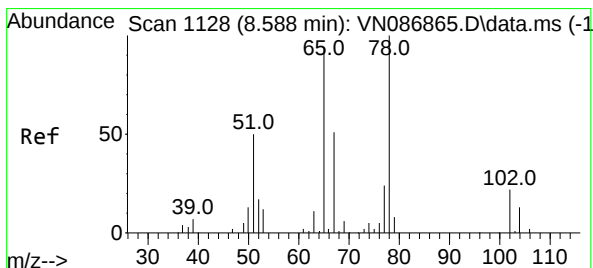
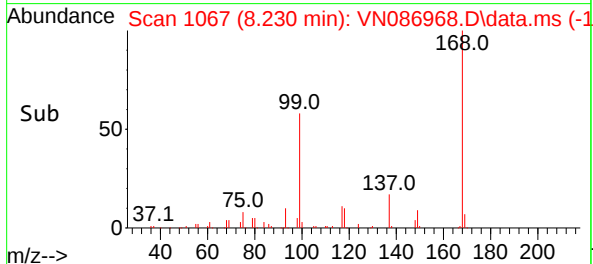
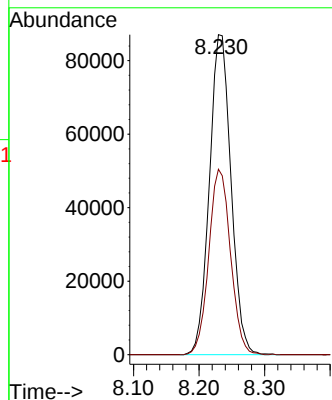
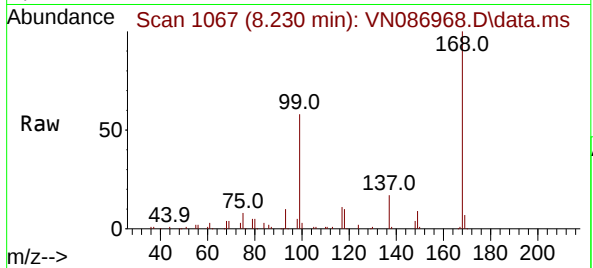




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086968.D
Acq: 12 Jun 2025 11:33

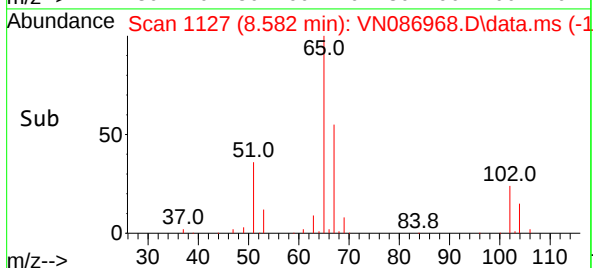
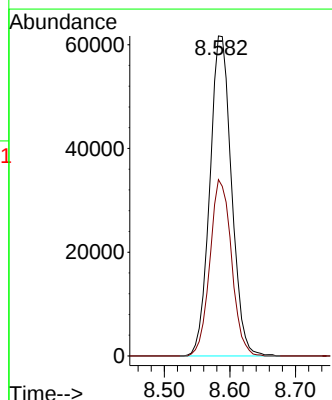
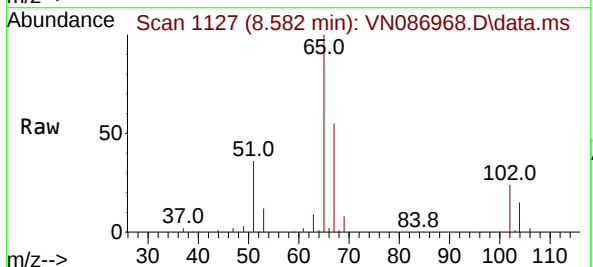
Instrument :
MSVOA_N
ClientSampleId :
VN0612MBL01

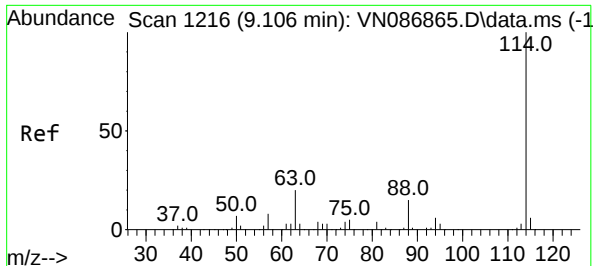
Tgt Ion:168 Resp: 199089
Ion Ratio Lower Upper
168 100
99 58.0 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 53.244 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086968.D
Acq: 12 Jun 2025 11:33

Tgt Ion: 65 Resp: 141926
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086968.D

Acq: 12 Jun 2025 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0612MBL01

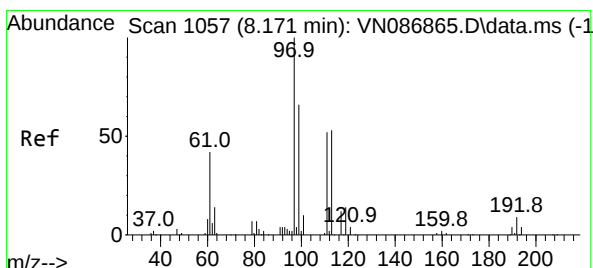
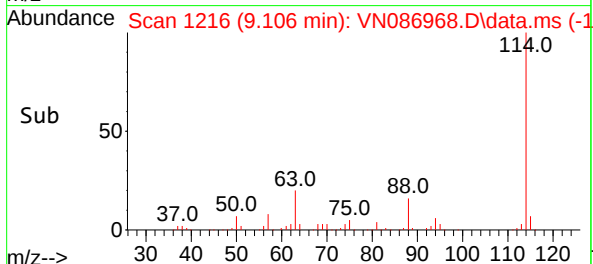
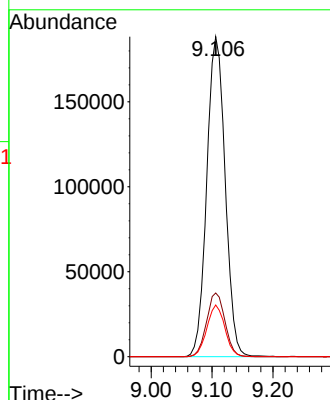
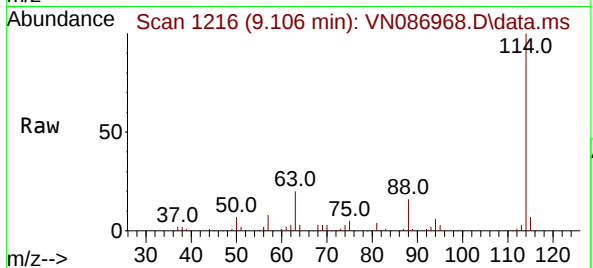
Tgt Ion:114 Resp: 395205

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 16.2 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.246 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN086968.D

Acq: 12 Jun 2025 11:33

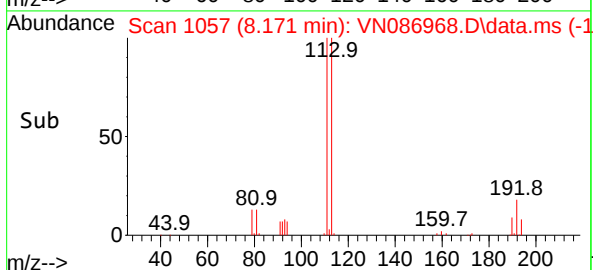
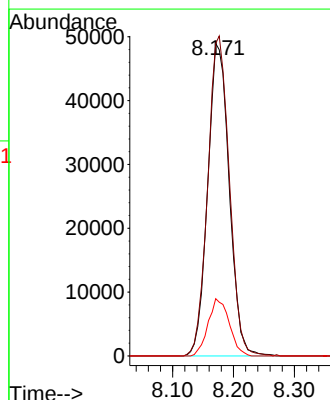
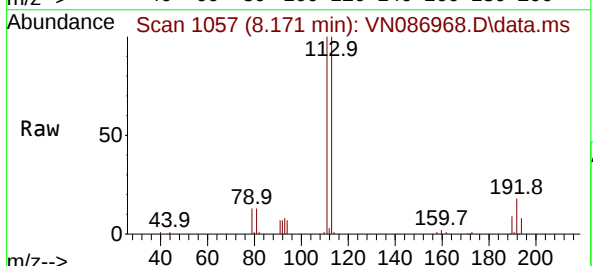
Tgt Ion:113 Resp: 120022

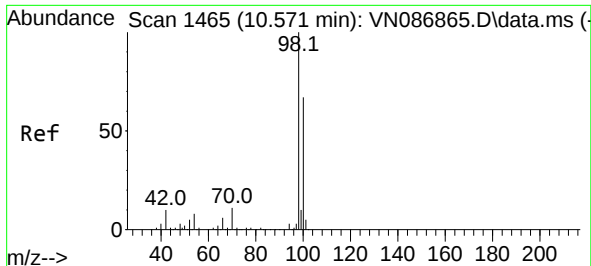
Ion Ratio Lower Upper

113 100

111 102.8 84.2 126.2

192 18.0 14.2 21.4

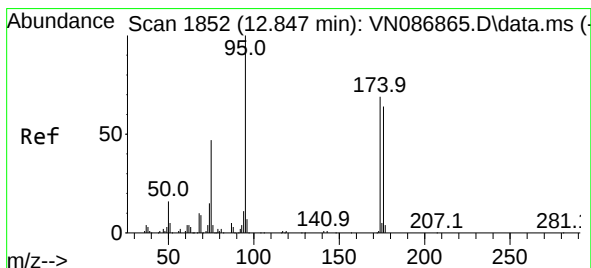
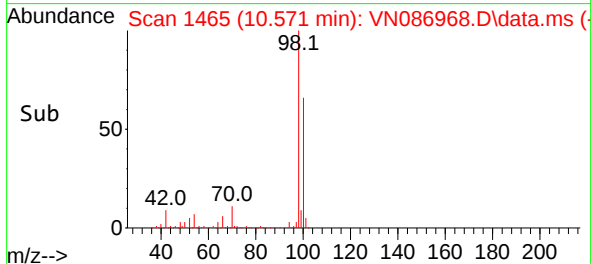
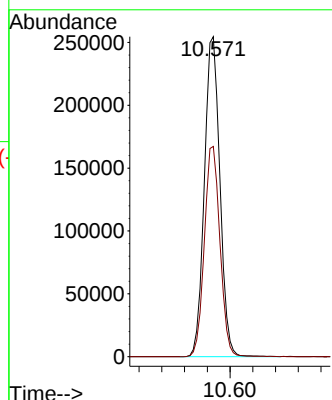
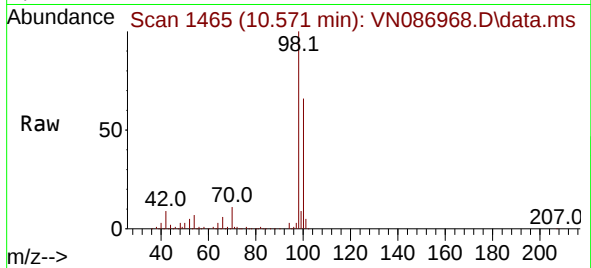




#50
Toluene-d8
Concen: 52.006 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086968.D
Acq: 12 Jun 2025 11:33

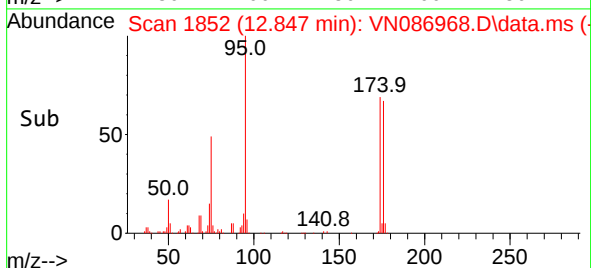
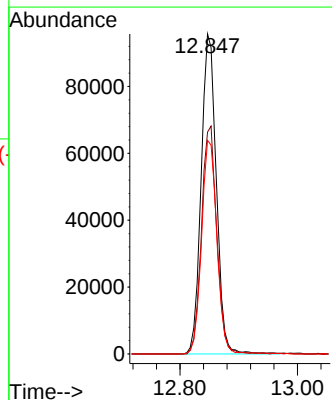
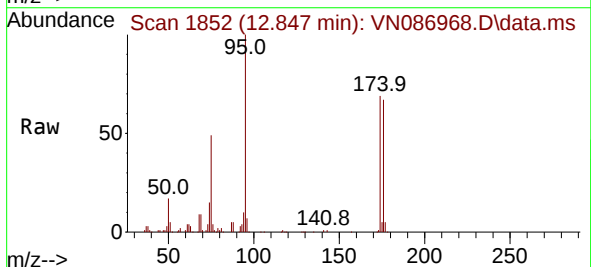
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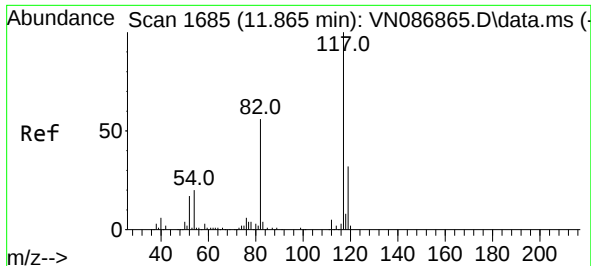
Tgt Ion: 98 Resp: 482178
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.659 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086968.D
Acq: 12 Jun 2025 11:33

Tgt Ion: 95 Resp: 171059
Ion Ratio Lower Upper
95 100
174 71.6 0.0 141.8
176 67.2 0.0 132.6

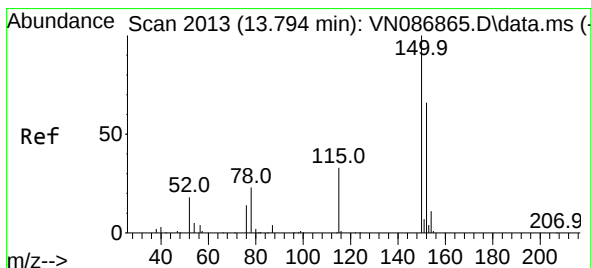
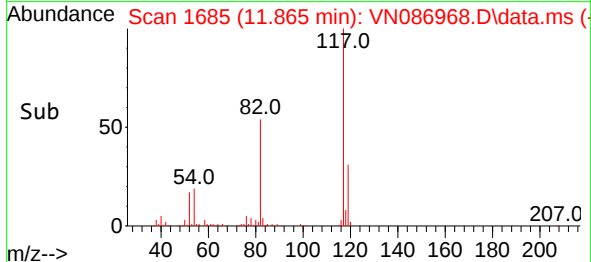
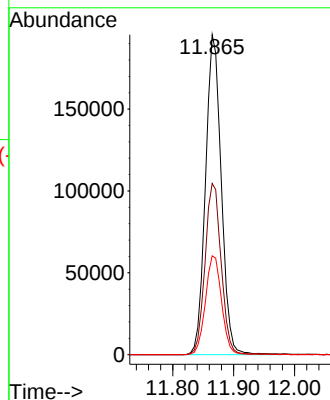
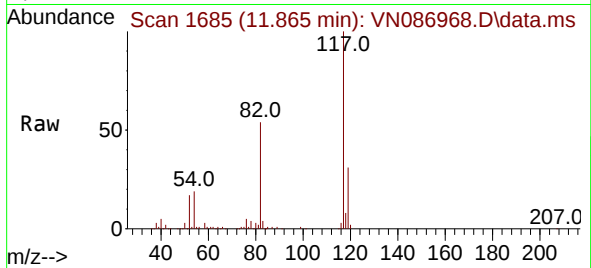




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086968.D
Acq: 12 Jun 2025 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0612MBL01

Tgt Ion:117 Resp: 351464
Ion Ratio Lower Upper
117 100
82 53.5 44.6 67.0
119 30.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086968.D
Acq: 12 Jun 2025 11:33

Tgt Ion:152 Resp: 167296
Ion Ratio Lower Upper
152 100
115 60.6 30.1 90.5
150 159.3 0.0 345.0

