

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087094.D
 Acq On : 18 Jun 2025 18:18
 Operator : JC\MD
 Sample : Q2329-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT163S1-20250613

Quant Time: Jun 19 01:32:50 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	165721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	339420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141945	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	126728	57.115	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.240%
35) Dibromofluoromethane	8.177	113	106211	52.802	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.600%
50) Toluene-d8	10.571	98	418113	52.507	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.020%
62) 4-Bromofluorobenzene	12.847	95	145696	49.247	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.500%

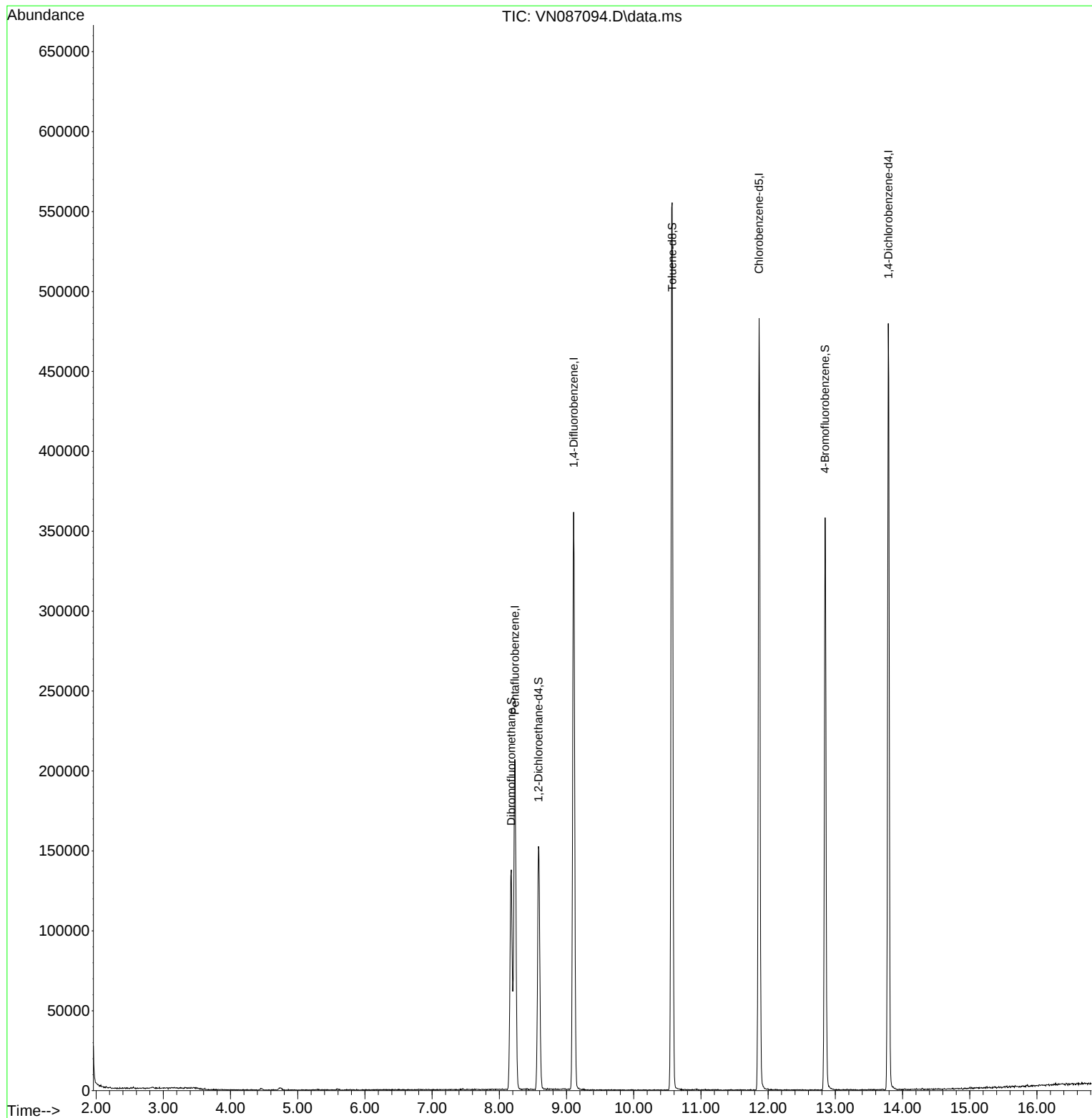
Target Compounds	Qvalue

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

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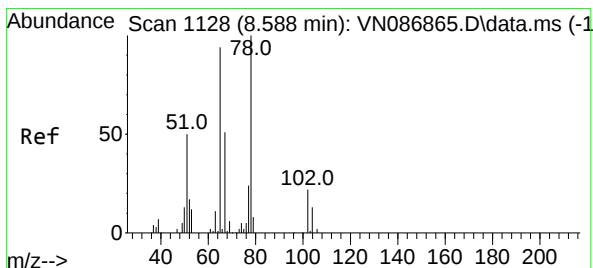
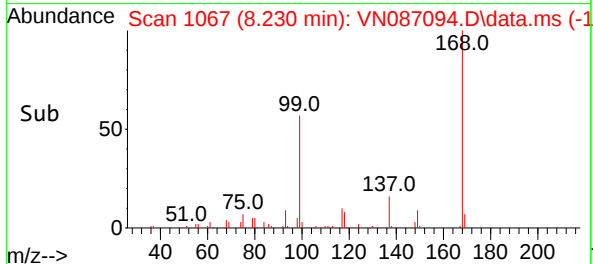
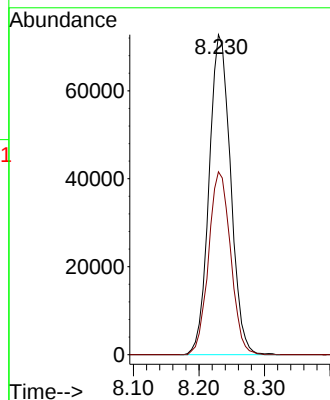
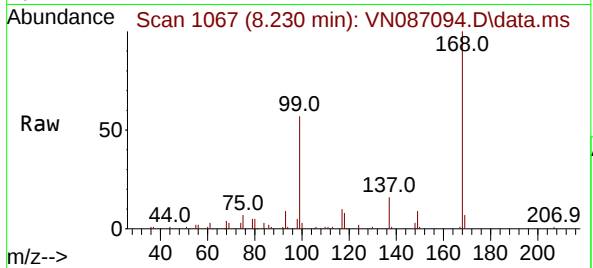




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

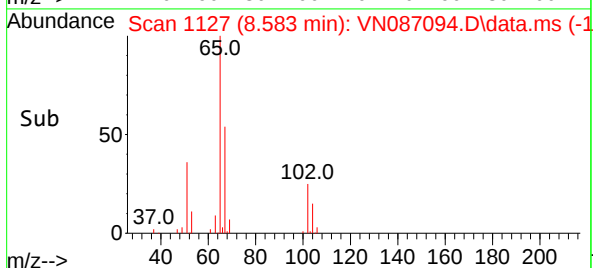
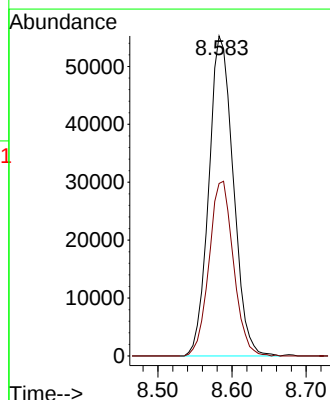
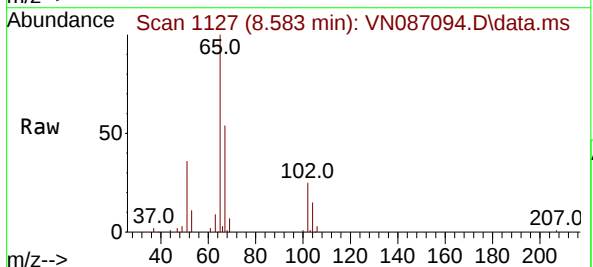
Instrument :
MSVOA_N
ClientSampleId :
TT163S1-20250613

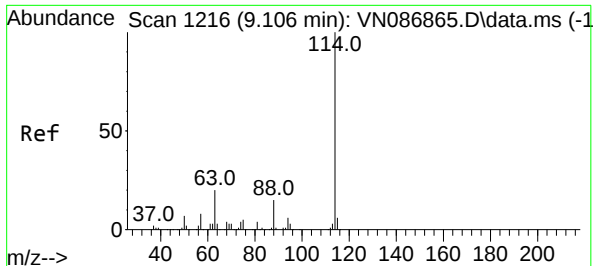
Tgt Ion:168 Resp: 165721
Ion Ratio Lower Upper
168 100
99 57.1 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 57.115 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

Tgt Ion: 65 Resp: 126728
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087094.D

Acq: 18 Jun 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

TT163S1-20250613

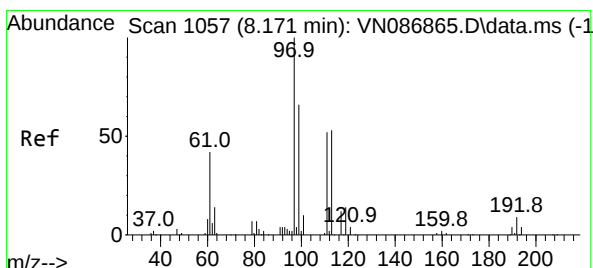
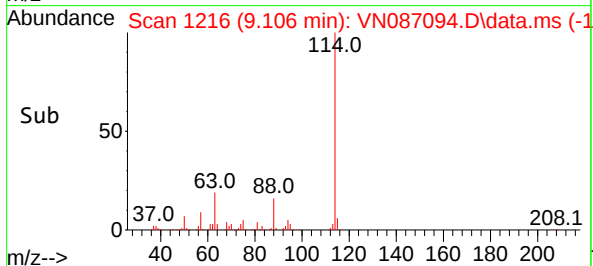
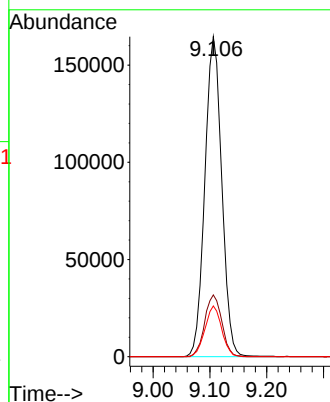
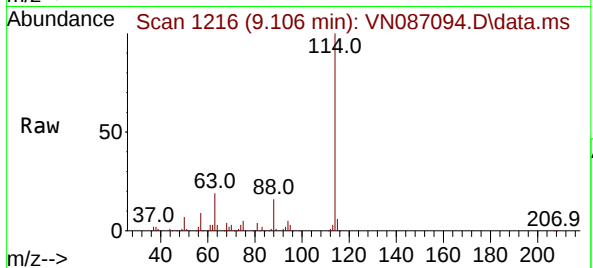
Tgt Ion:114 Resp: 339420

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 15.8 0.0 30.2



#35

Dibromofluoromethane

Concen: 52.802 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087094.D

Acq: 18 Jun 2025 18:18

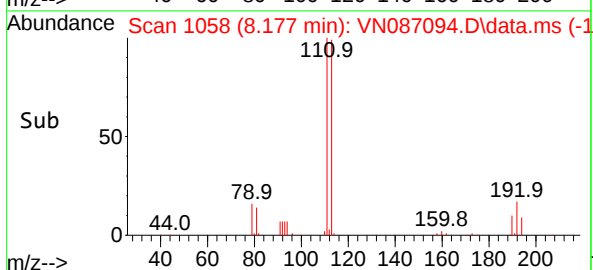
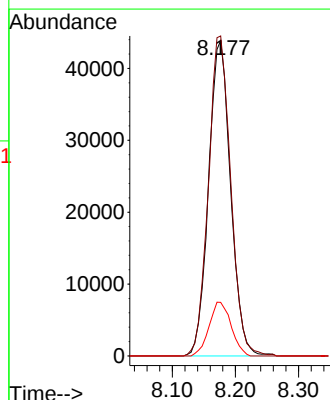
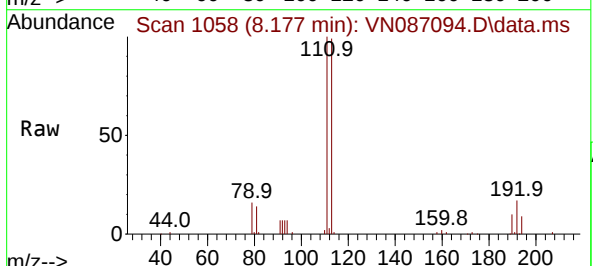
Tgt Ion:113 Resp: 106211

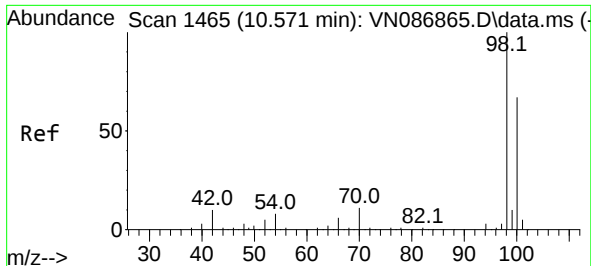
Ion Ratio Lower Upper

113 100

111 102.8 84.2 126.2

192 17.1 14.2 21.4

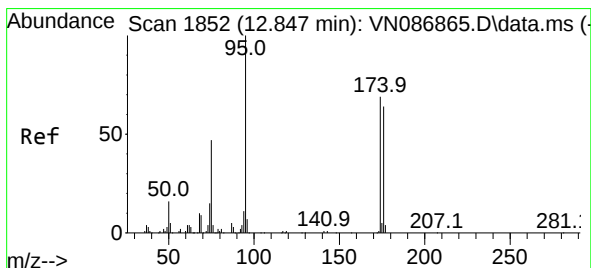
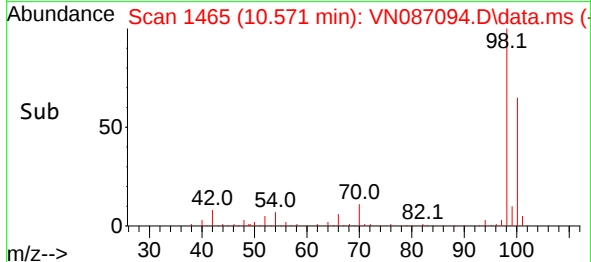
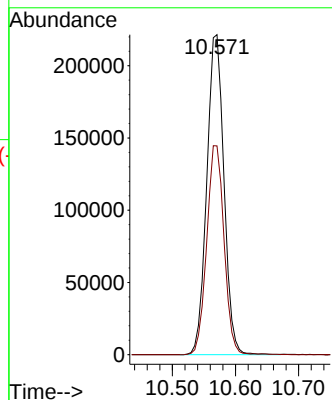
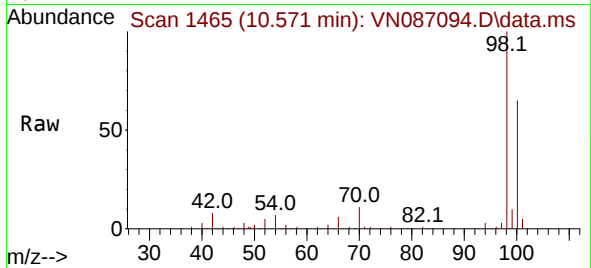




#50
Toluene-d8
Concen: 52.507 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

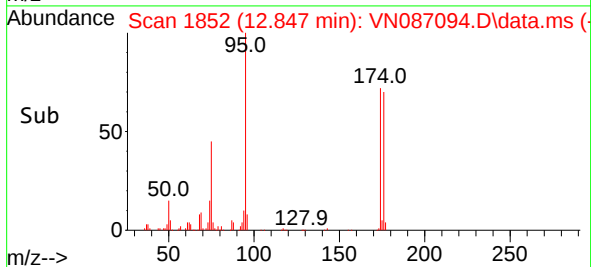
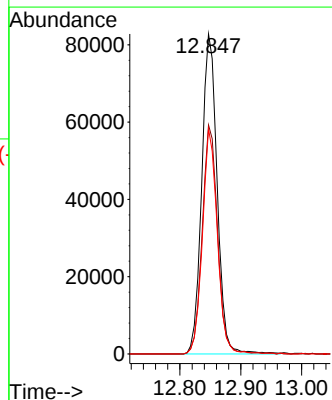
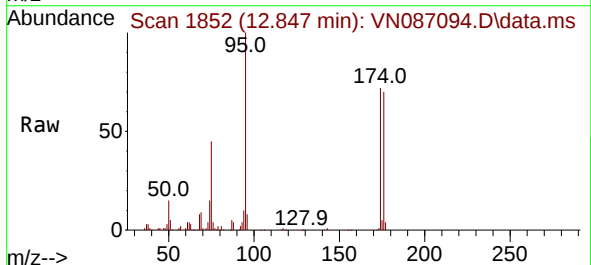
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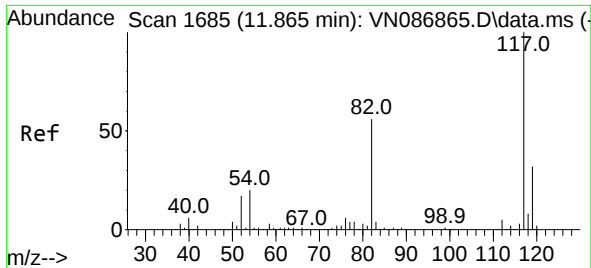
Tgt Ion: 98 Resp: 418113
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.247 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

Tgt Ion: 95 Resp: 145696
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.8
176 68.0 0.0 132.6

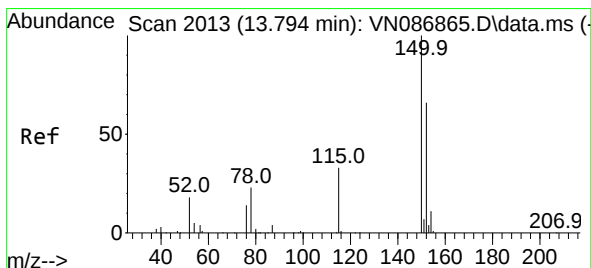
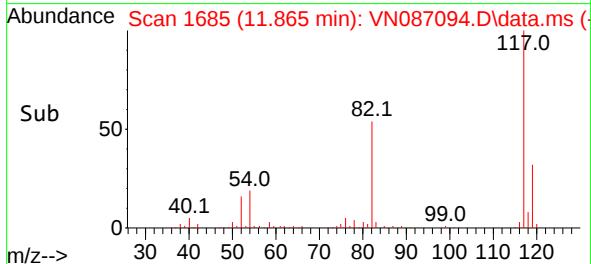
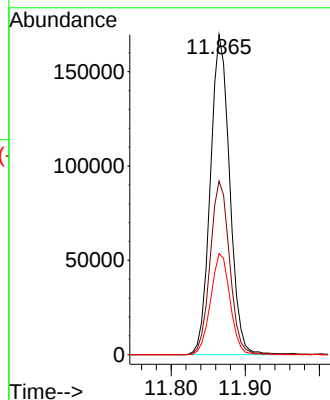
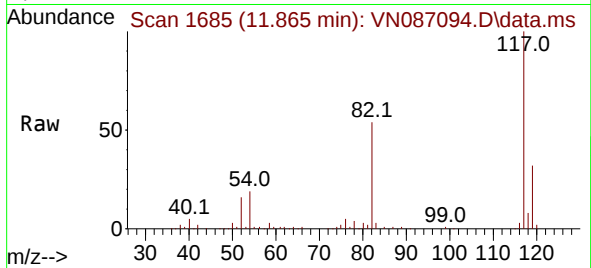




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

Instrument :
MSVOA_N
ClientSampleId :
TT163S1-20250613

Tgt Ion:117 Resp: 306857
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

Tgt Ion:152 Resp: 141945
Ion Ratio Lower Upper
152 100
115 59.6 30.1 90.5
150 155.8 0.0 345.0

