

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087092.D
 Acq On : 18 Jun 2025 17:36
 Operator : JC\MD
 Sample : Q2329-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20250612

Quant Time: Jun 19 01:32:10 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	8.235	168	182714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	371831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	338148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	158047	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	135814	55.517	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.040%
35) Dibromofluoromethane	8.177	113	116458	52.850	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.700%
50) Toluene-d8	10.570	98	456639	52.347	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.700%
62) 4-Bromofluorobenzene	12.847	95	159783	49.301	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.600%

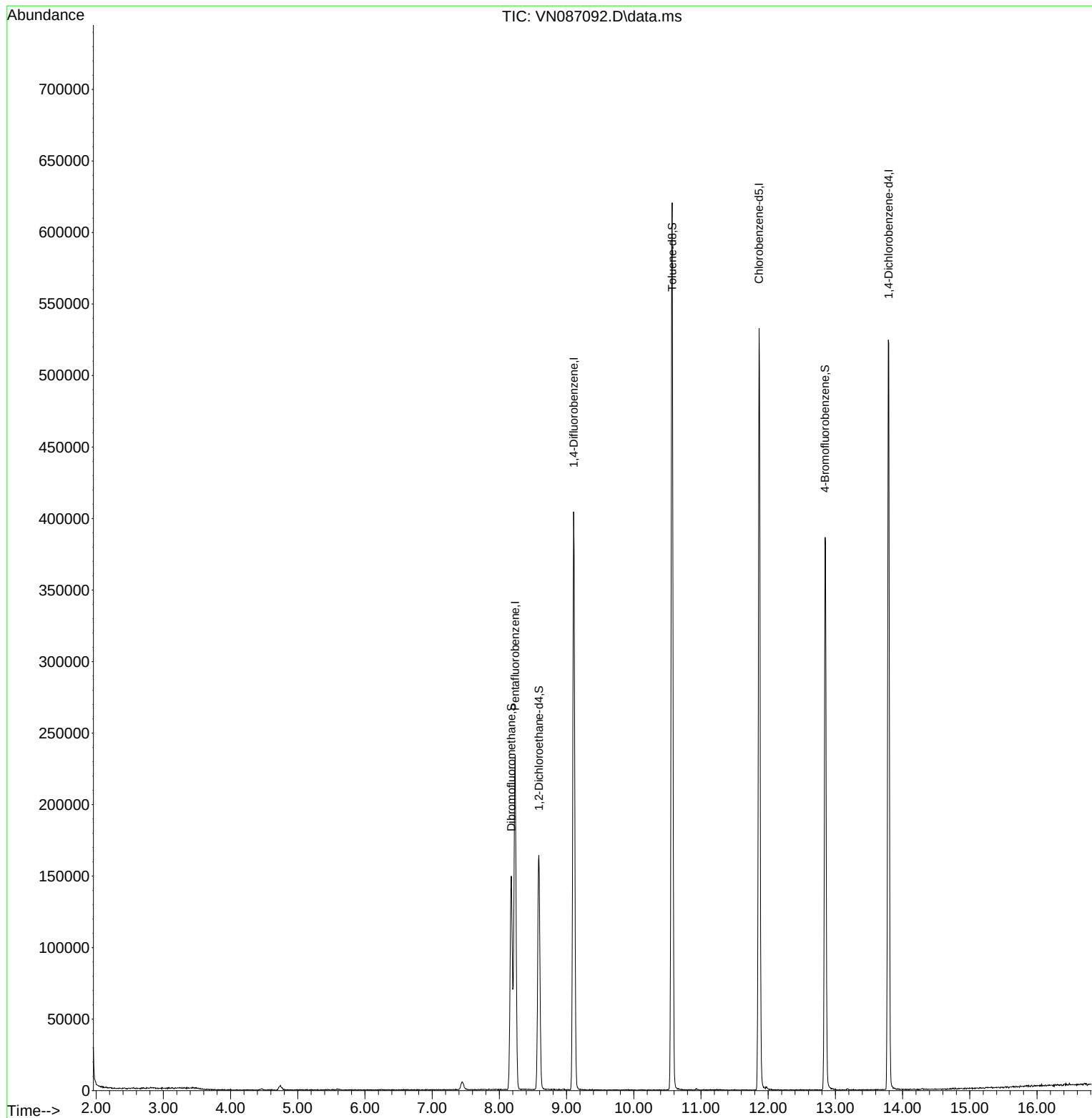
Target Compounds	Qvalue

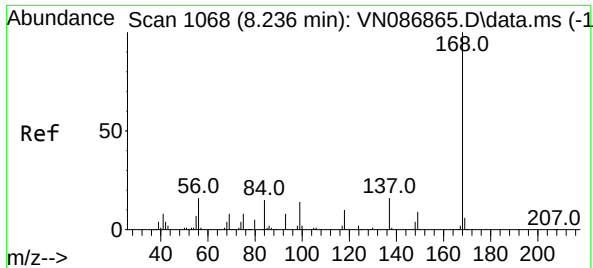
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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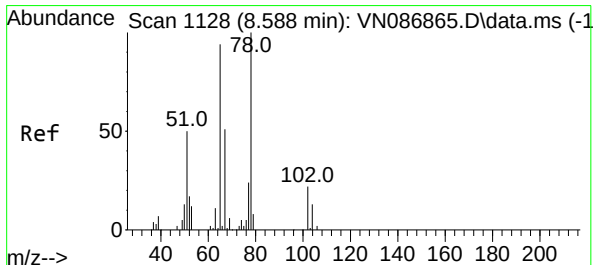
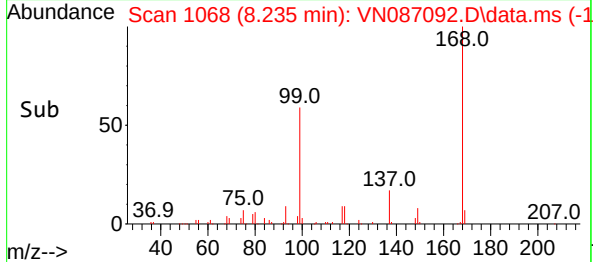
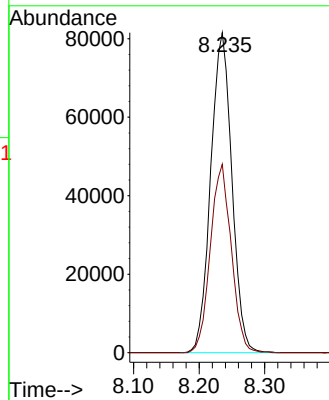
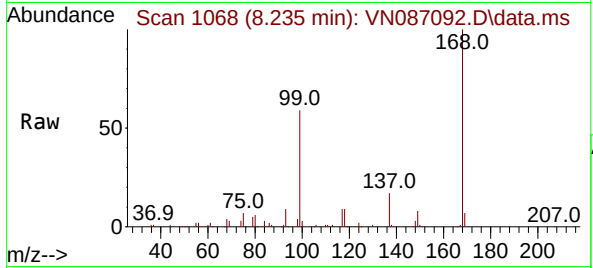




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

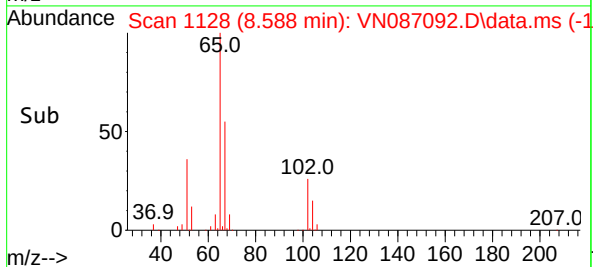
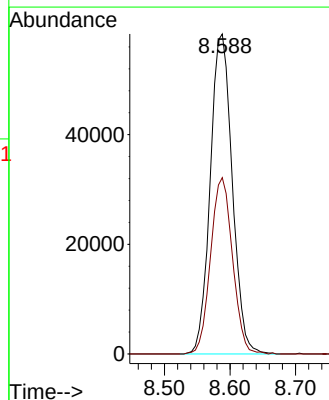
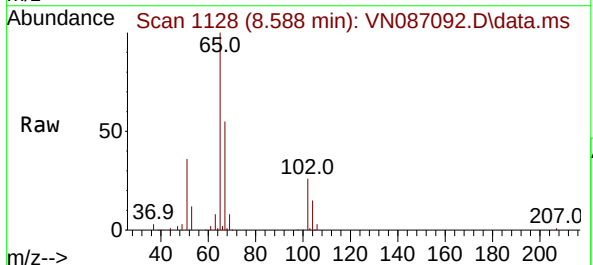
Instrument :
MSVOA_N
ClientSampleId :
TB01-20250612

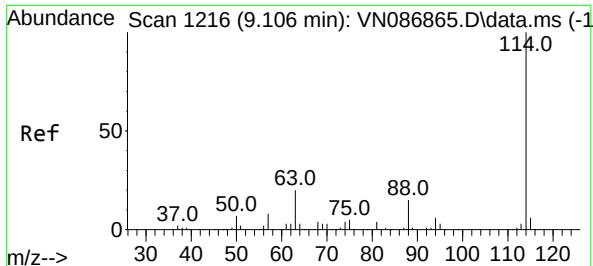
Tgt Ion:168 Resp: 182714
Ion Ratio Lower Upper
168 100
99 58.9 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 55.517 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

Tgt Ion: 65 Resp: 135814
Ion Ratio Lower Upper
65 100
67 54.9 0.0 105.6

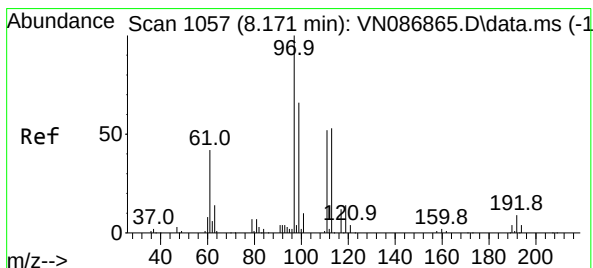
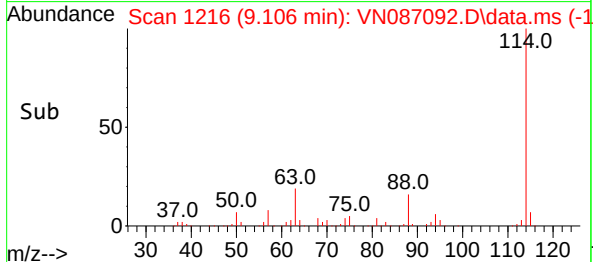
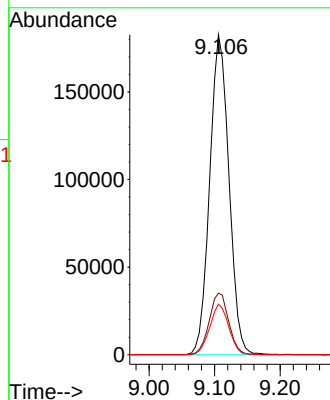
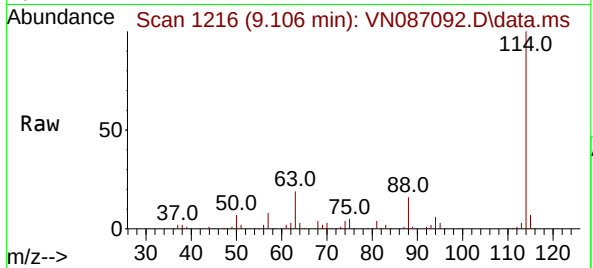




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

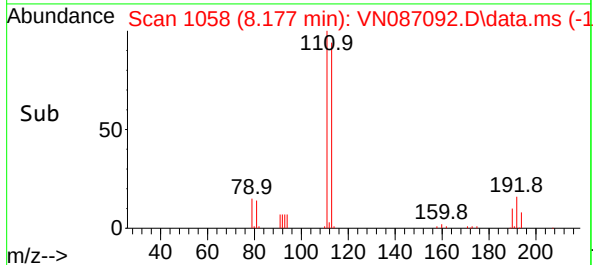
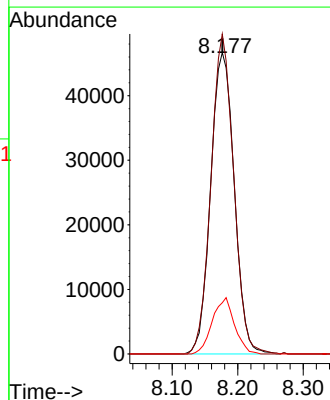
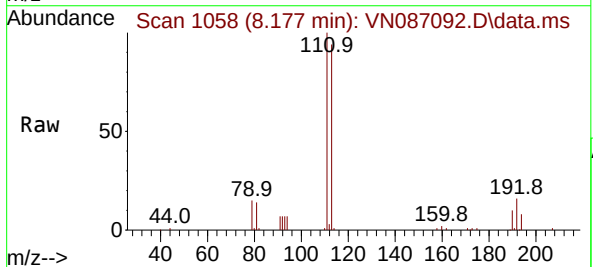
Instrument :
MSVOA_N
ClientSampleId :
TB01-20250612

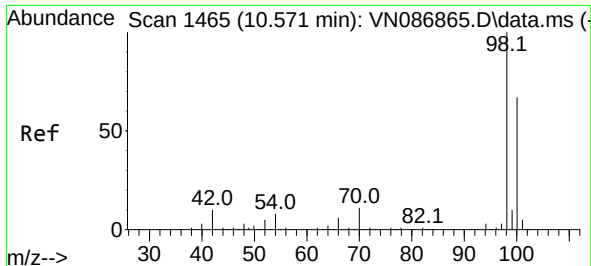
Tgt Ion:114 Resp: 371831
Ion Ratio Lower Upper
114 100
63 19.2 0.0 39.6
88 15.8 0.0 30.2



#35
Dibromofluoromethane
Concen: 52.850 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

Tgt Ion:113 Resp: 116458
Ion Ratio Lower Upper
113 100
111 102.1 84.2 126.2
192 17.6 14.2 21.4

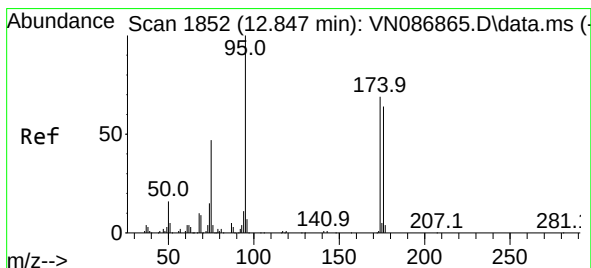
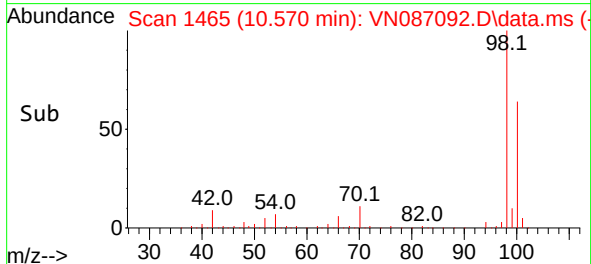
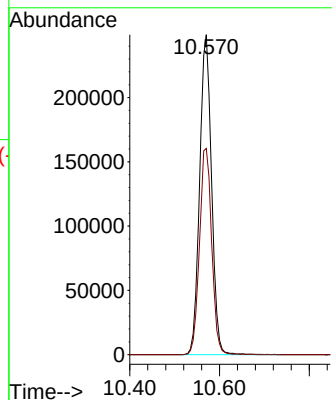
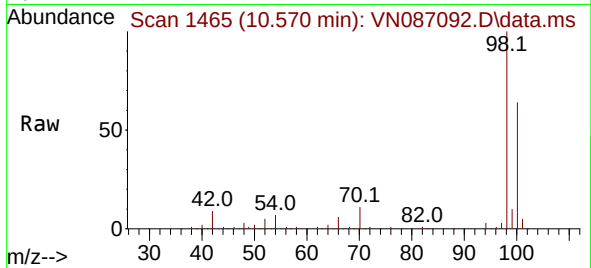




#50
Toluene-d8
Concen: 52.347 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

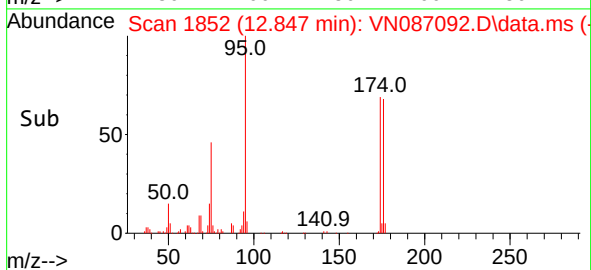
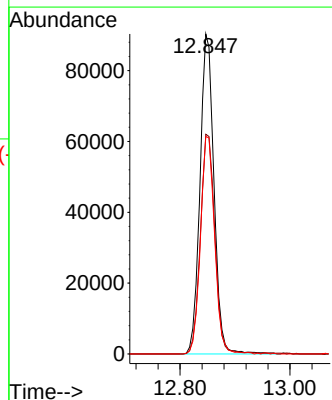
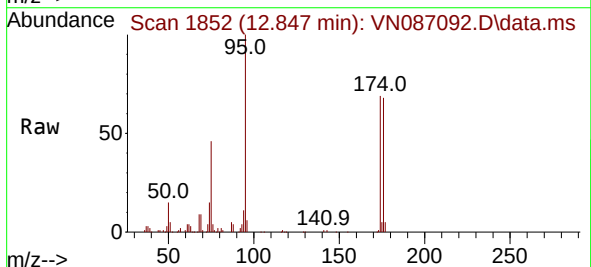
Instrument :
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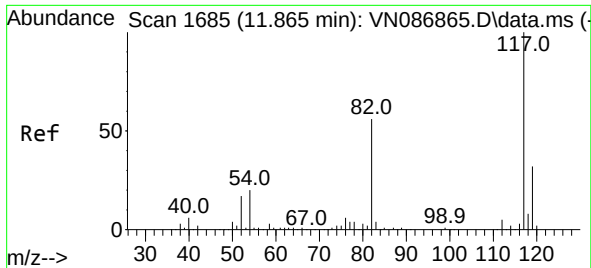
Tgt Ion: 98 Resp: 456639
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.301 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

Tgt Ion: 95 Resp: 159783
Ion Ratio Lower Upper
95 100
174 70.7 0.0 141.8
176 68.7 0.0 132.6

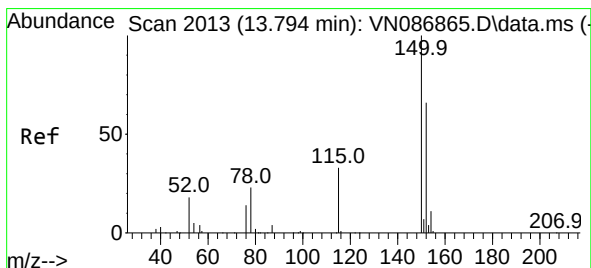
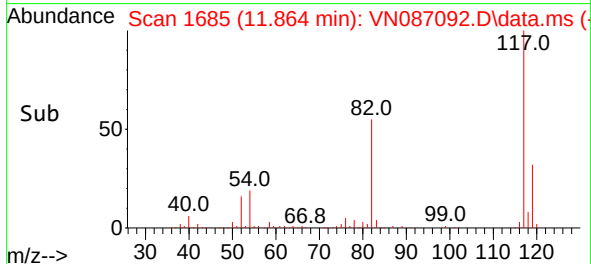
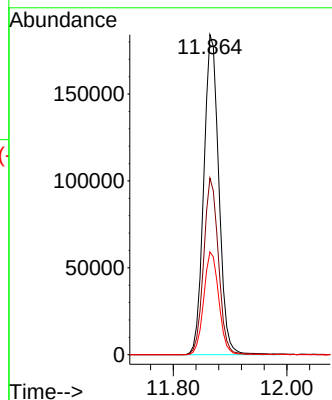
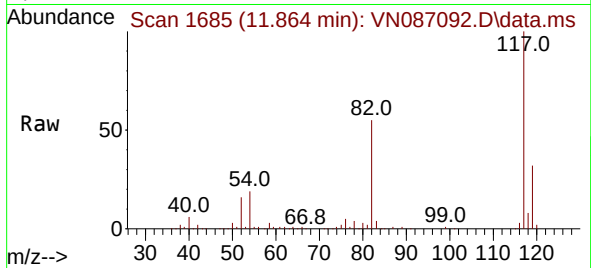




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

Instrument :
MSVOA_N
ClientSampleId :
TB01-20250612

Tgt Ion:117 Resp: 338148
Ion Ratio Lower Upper
117 100
82 55.2 44.6 67.0
119 32.1 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: VN087092.D
Acq: 18 Jun 2025 17:36

Tgt Ion:152 Resp: 158047
Ion Ratio Lower Upper
152 100
115 61.0 30.1 90.5
150 158.5 0.0 345.0

