

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087093.D
 Acq On : 18 Jun 2025 17:57
 Operator : JC\MD
 Sample : Q2329-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB02-20250612

Quant Time: Jun 19 01:32:30 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	179779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	370663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	331725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	154445	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	136079	56.534	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.060%
35) Dibromofluoromethane	8.177	113	114090	51.939	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.880%
50) Toluene-d8	10.571	98	453967	52.205	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.400%
62) 4-Bromofluorobenzene	12.847	95	158180	48.960	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.920%

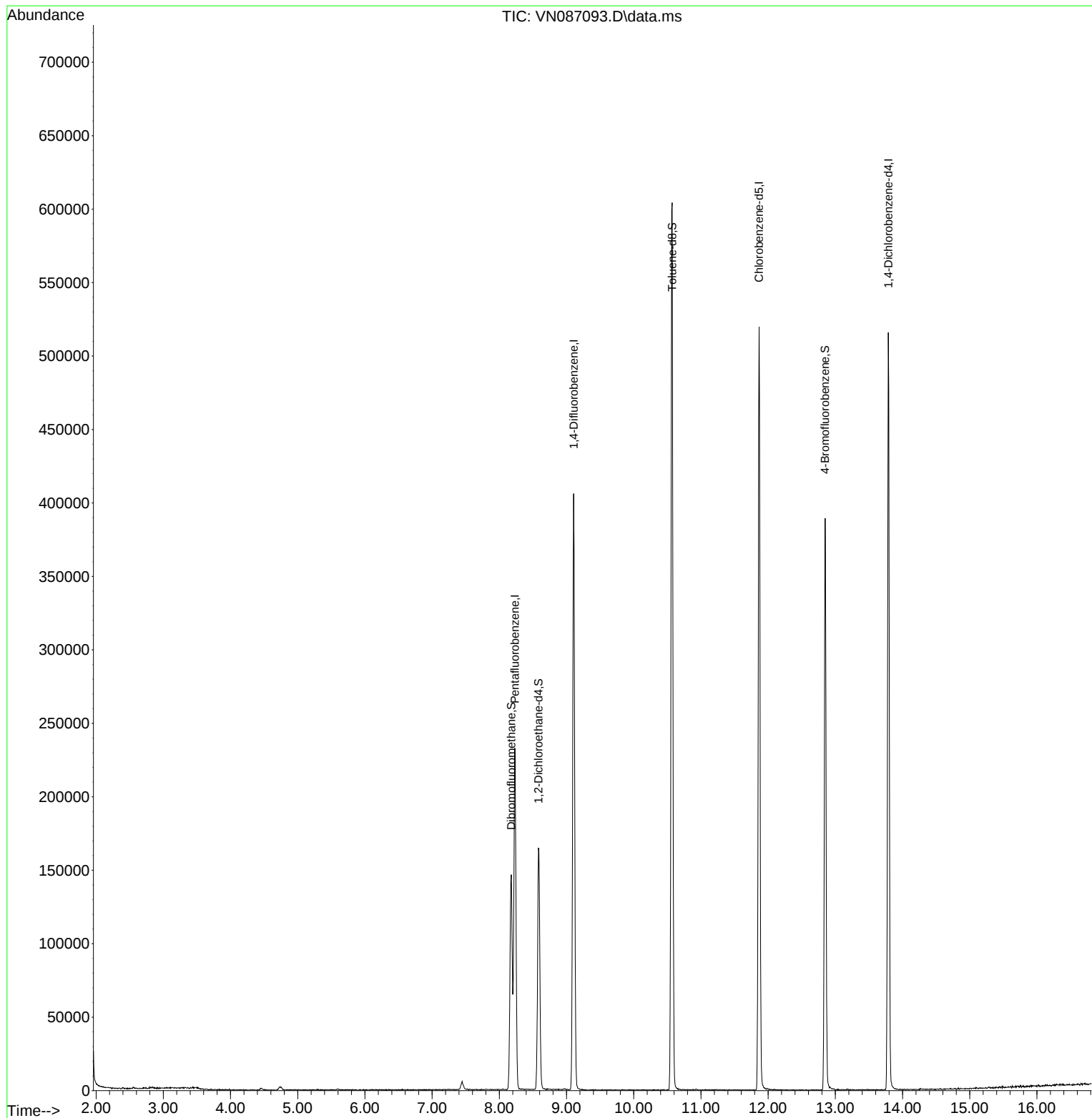
Target Compounds	Qvalue

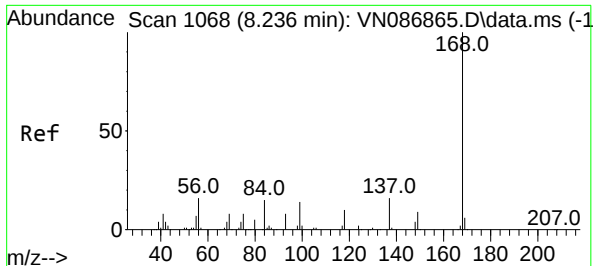
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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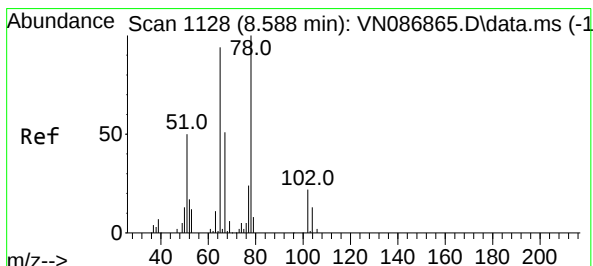
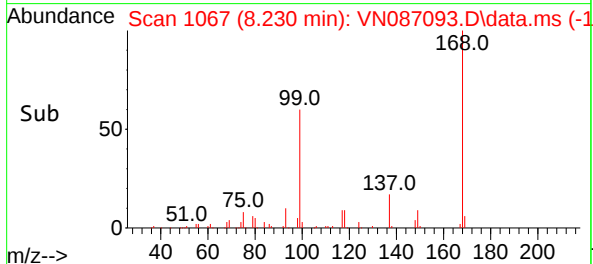
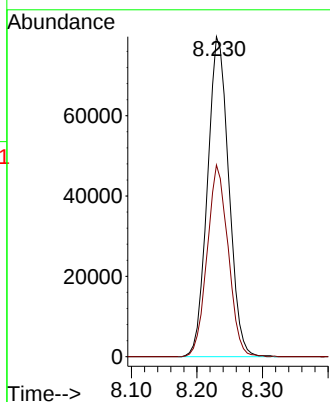
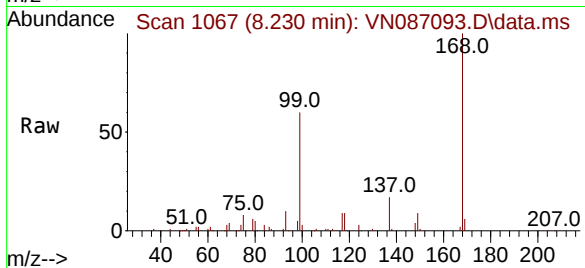




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

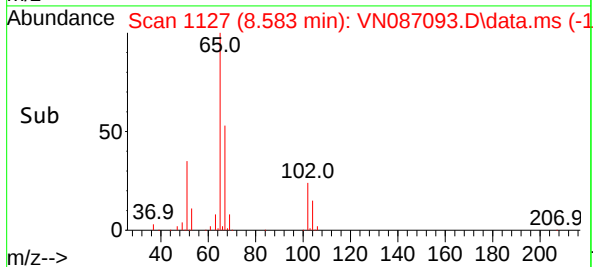
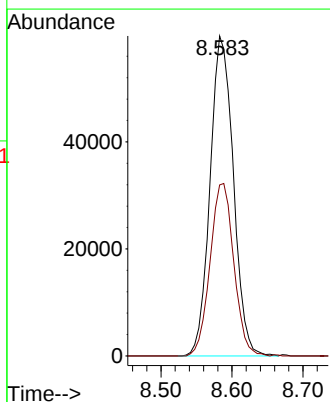
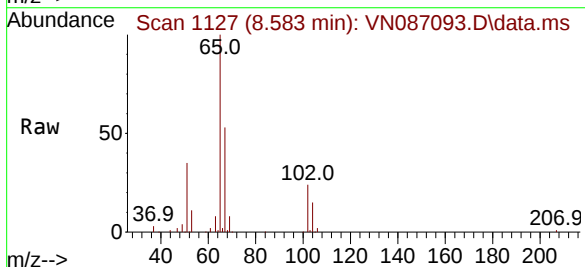
Instrument :
MSVOA_N
ClientSampleId :
TB02-20250612

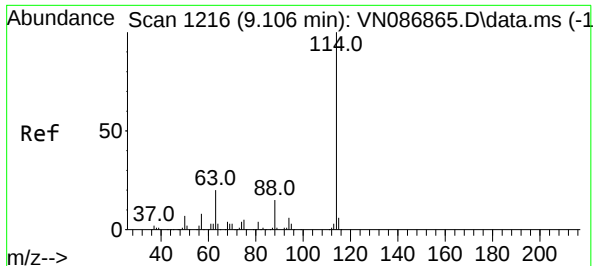
Tgt Ion:168 Resp: 179779
Ion Ratio Lower Upper
168 100
99 59.9 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 56.534 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

Tgt Ion: 65 Resp: 136079
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# 1

Delta R.T. 0.000 min

Lab File: VN087093.D

Acq: 18 Jun 2025 17:57

Instrument :

MSVOA_N

ClientSampleId :

TB02-20250612

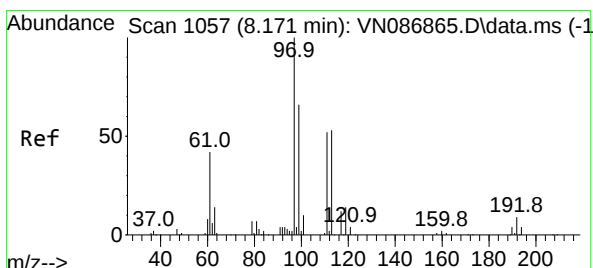
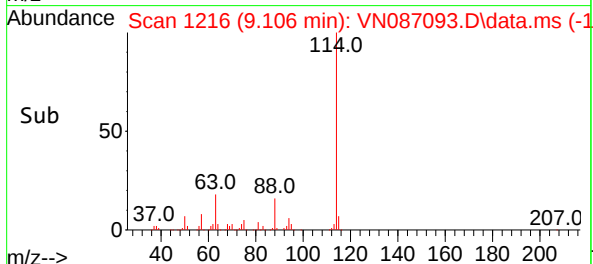
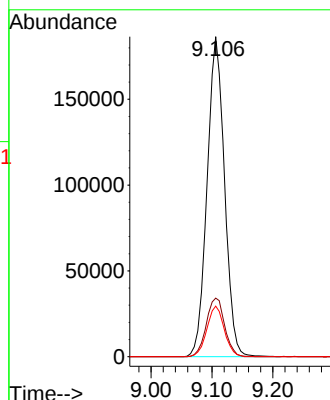
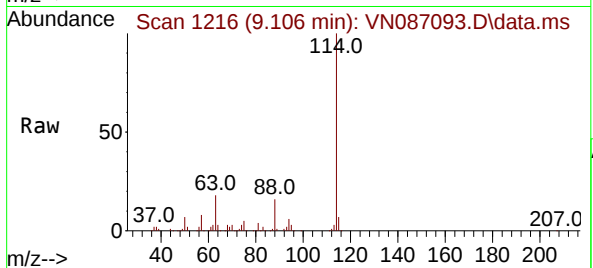
Tgt Ion:114 Resp: 370663

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 15.8 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.939 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087093.D

Acq: 18 Jun 2025 17:57

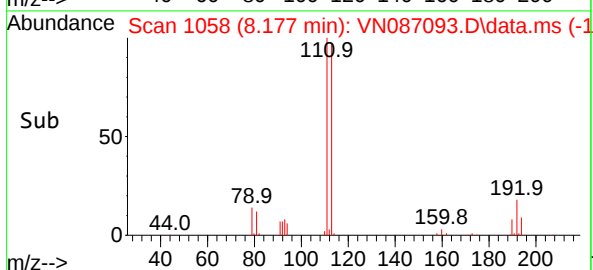
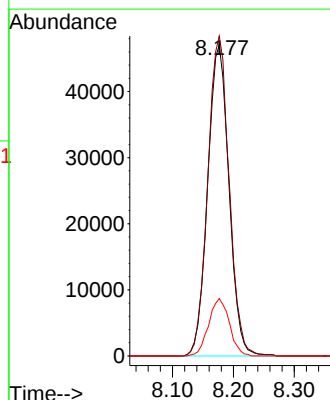
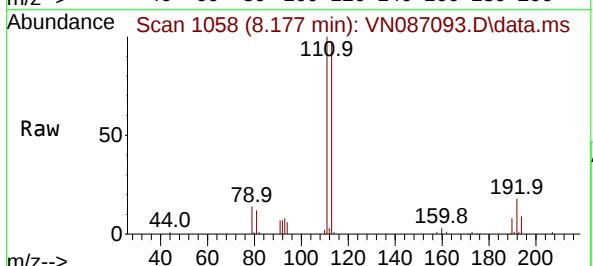
Tgt Ion:113 Resp: 114090

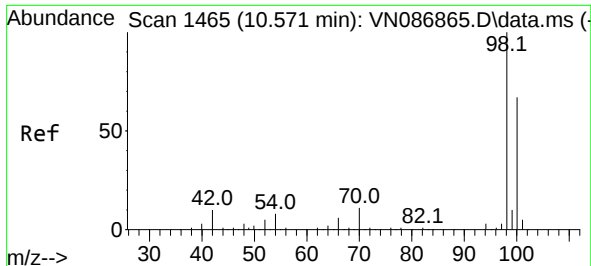
Ion Ratio Lower Upper

113 100

111 103.4 84.2 126.2

192 18.0 14.2 21.4

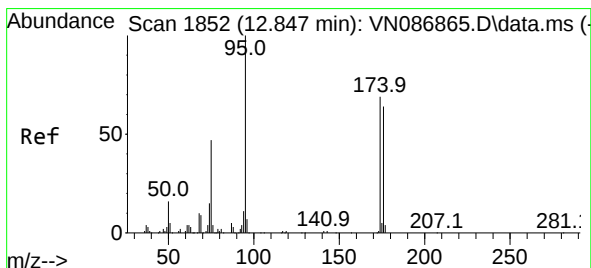
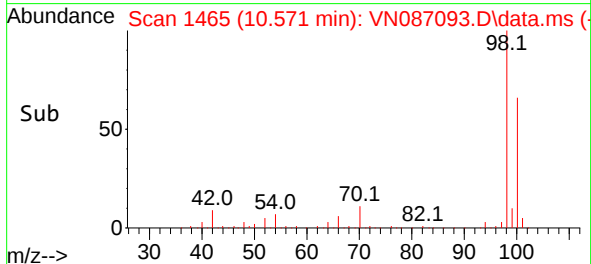
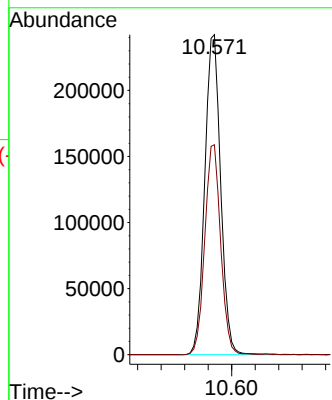
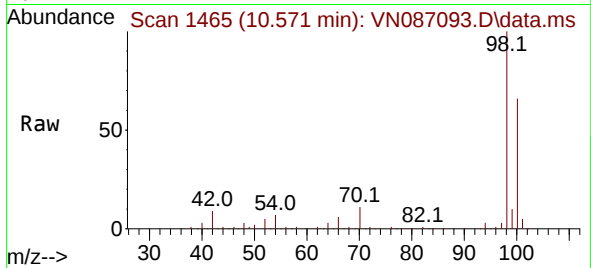




#50
Toluene-d8
Concen: 52.205 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

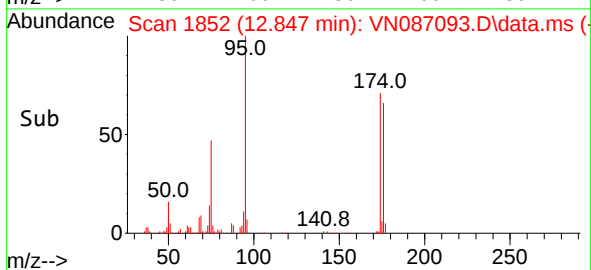
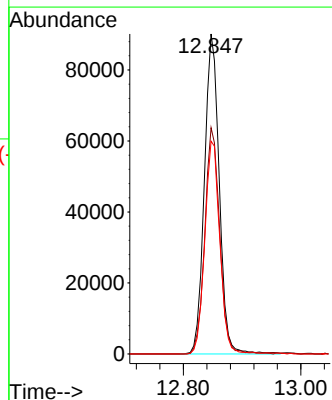
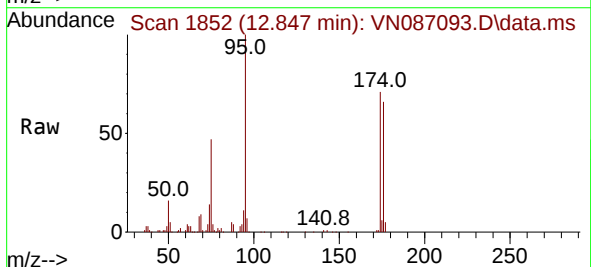
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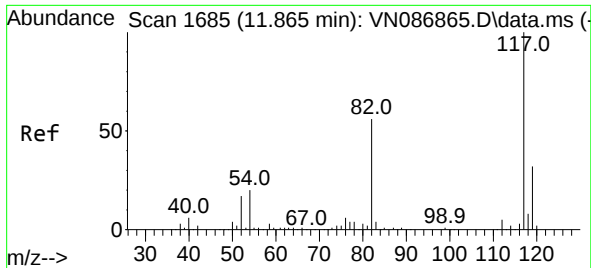
Tgt Ion: 98 Resp: 453967
Ion Ratio Lower Upper
98 100
100 65.6 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 48.960 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

Tgt Ion: 95 Resp: 158180
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.8
176 67.2 0.0 132.6

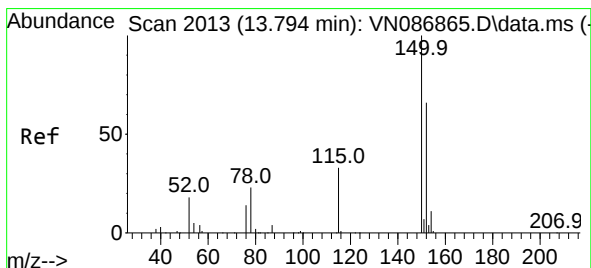
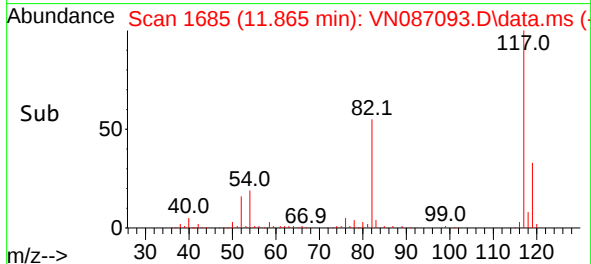
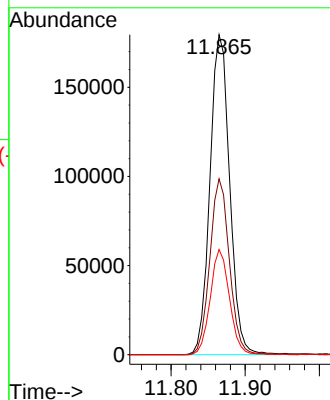
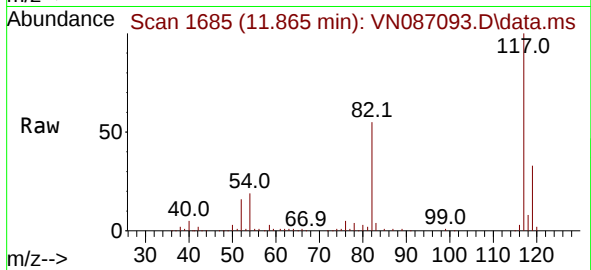




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

Instrument :
MSVOA_N
ClientSampleId :
TB02-20250612

Tgt Ion:117 Resp: 331725
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 32.9 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: VN087093.D
Acq: 18 Jun 2025 17:57

Tgt Ion:152 Resp: 154445
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.5
150 158.7 0.0 345.0

