

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087113.D
 Acq On : 19 Jun 2025 15:45
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 20 01:27:04 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	273337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	557476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	498501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	236707	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	196587	53.717	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.440%
35) Dibromofluoromethane	8.177	113	168117	50.887	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.780%
50) Toluene-d8	10.565	98	686809	52.514	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.020%
62) 4-Bromofluorobenzene	12.847	95	241874	49.778	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.560%

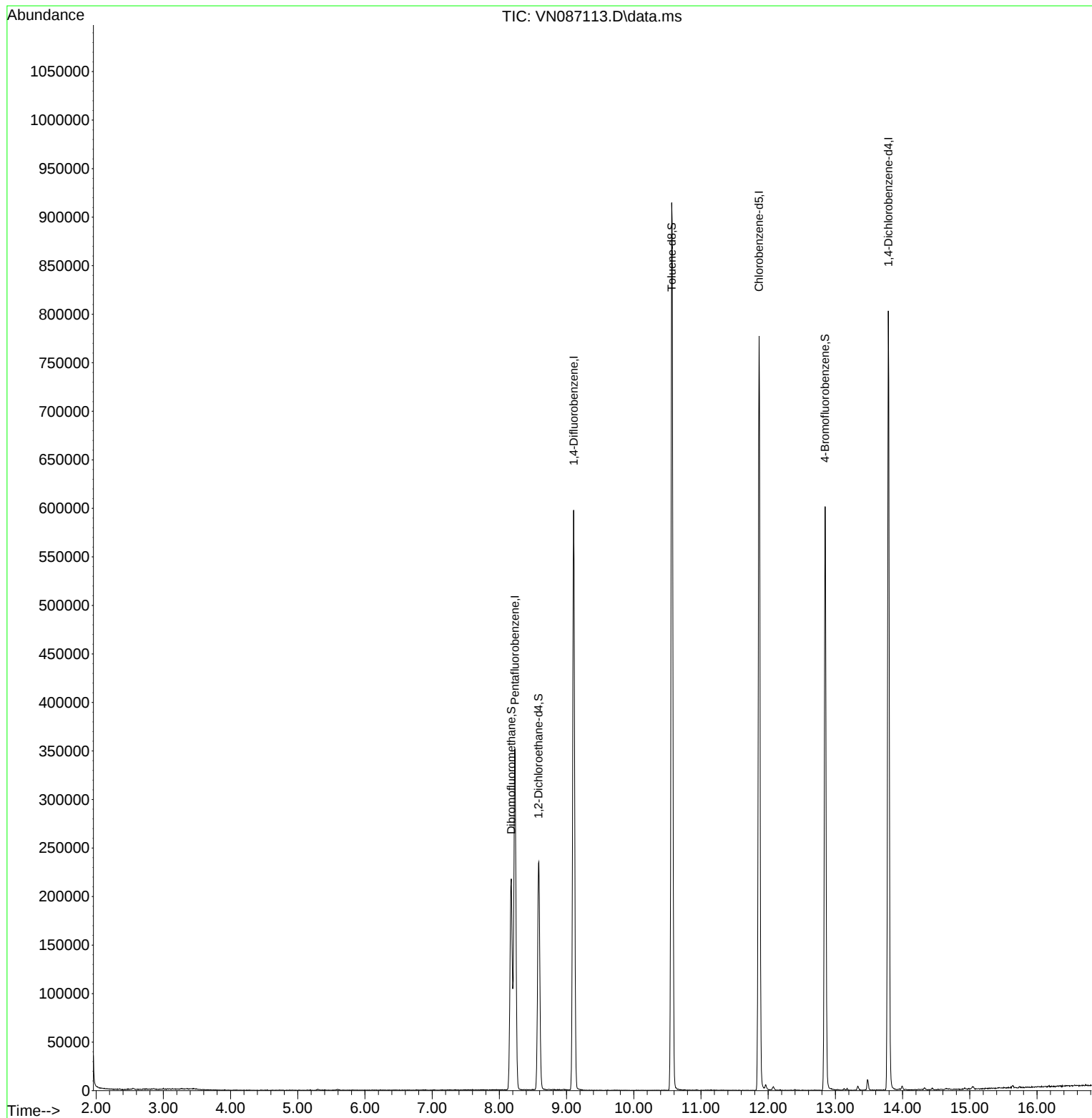
Target Compounds	Qvalue

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

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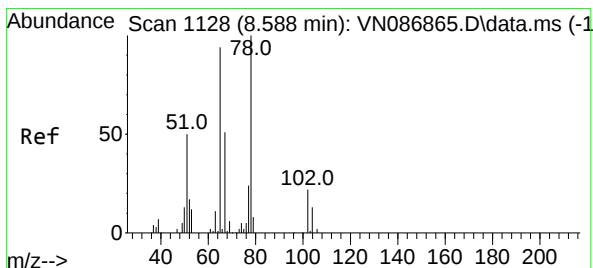
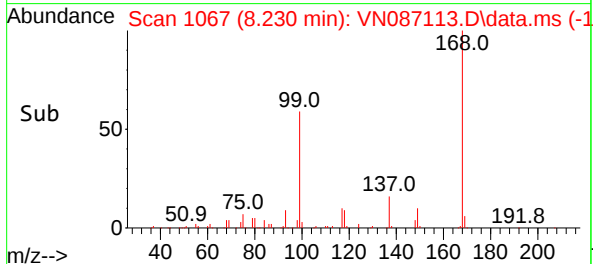
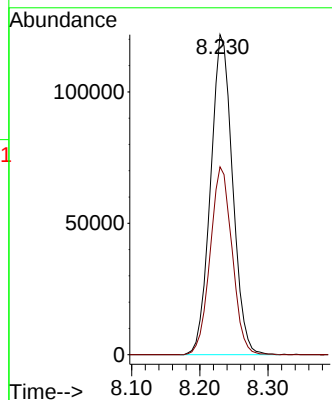
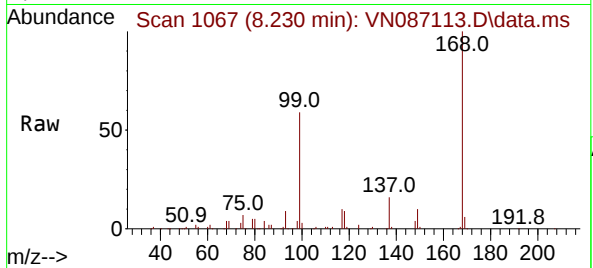




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

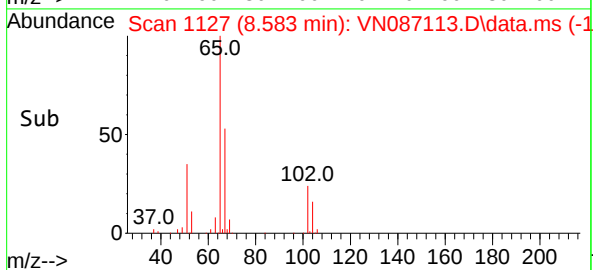
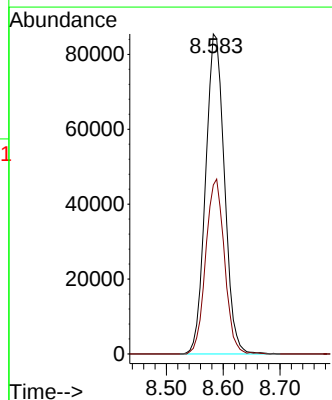
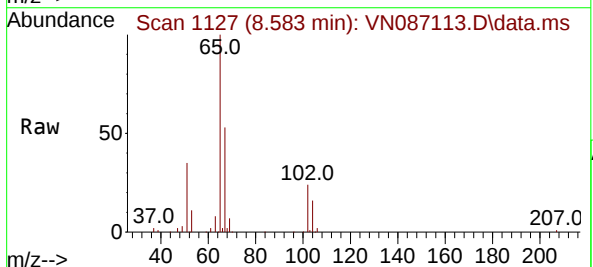
Instrument :
MSVOA_N
ClientSampleId :
IBLK

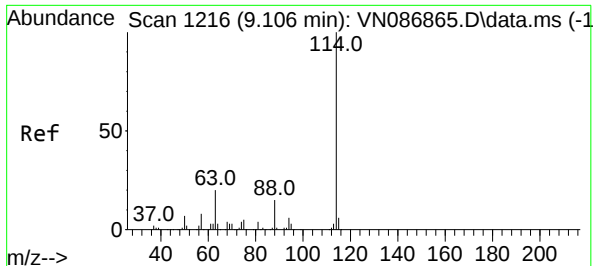
Tgt Ion:168 Resp: 273337
Ion Ratio Lower Upper
168 100
99 58.7 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 53.717 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

Tgt Ion: 65 Resp: 196587
Ion Ratio Lower Upper
65 100
67 54.3 0.0 105.6

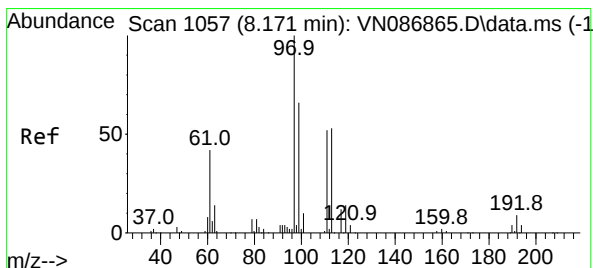
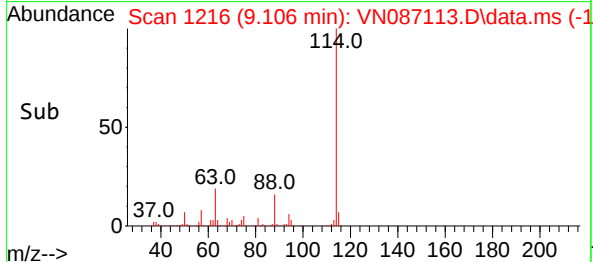
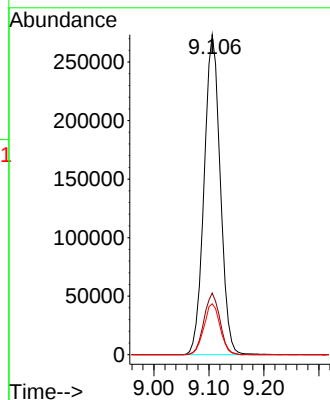
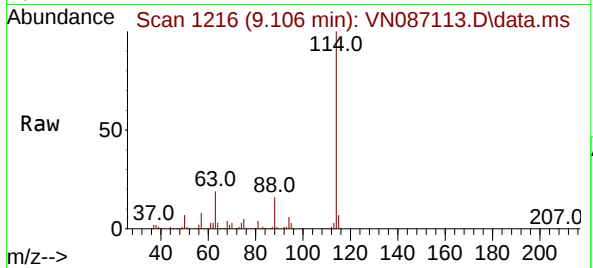




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

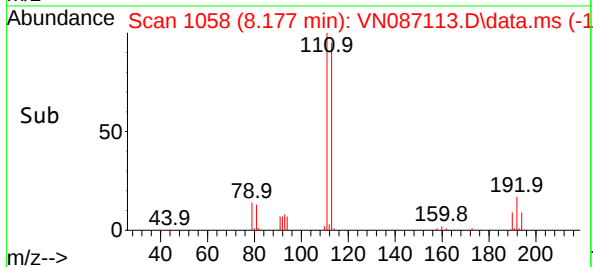
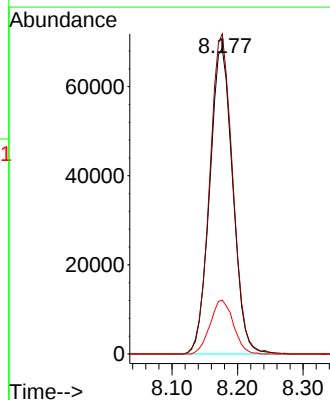
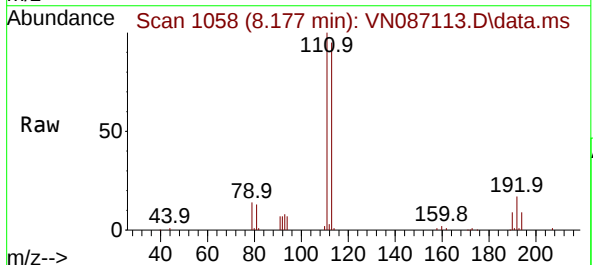
Instrument :
MSVOA_N
ClientSampleId :
IBLK

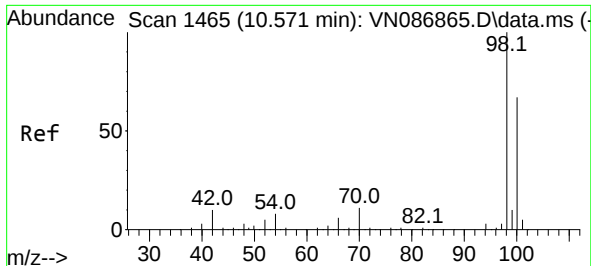
Tgt Ion:114 Resp: 557476
Ion Ratio Lower Upper
114 100
63 19.2 0.0 39.6
88 15.9 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.887 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

Tgt Ion:113 Resp: 168117
Ion Ratio Lower Upper
113 100
111 103.8 84.2 126.2
192 17.7 14.2 21.4

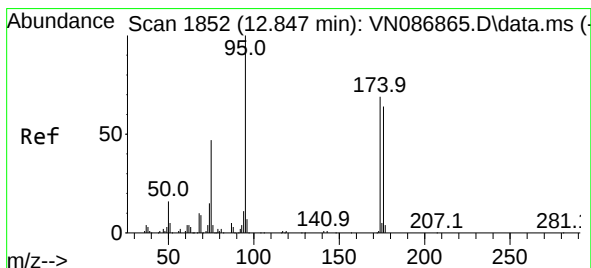
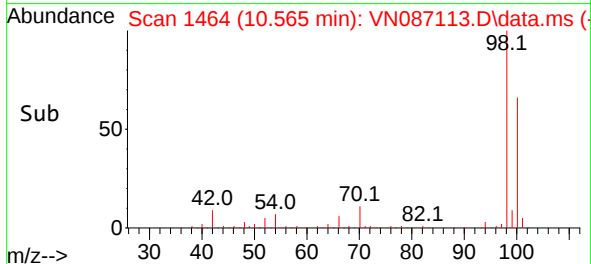
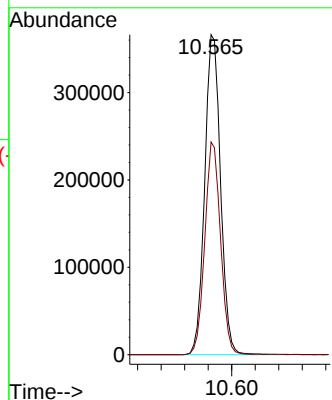
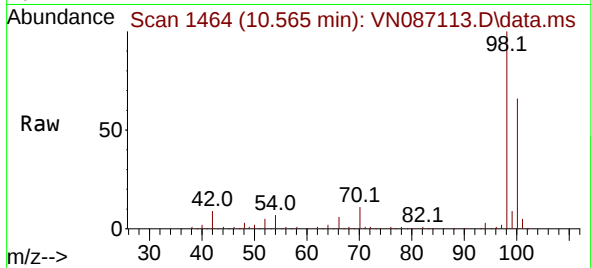




#50
Toluene-d8
Concen: 52.514 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

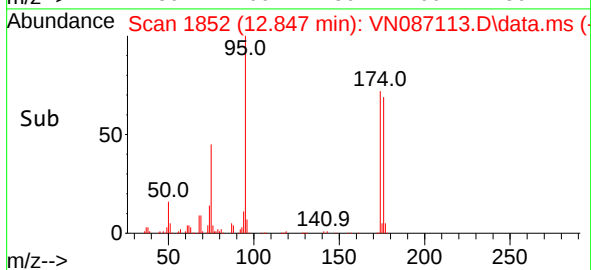
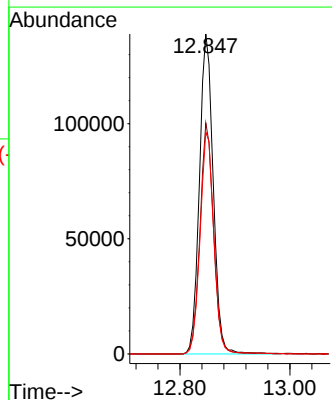
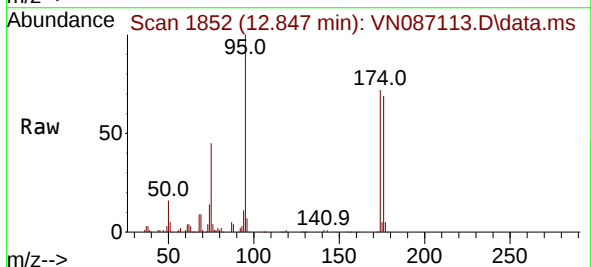
Instrument :
MSVOA_N
ClientSampleId :
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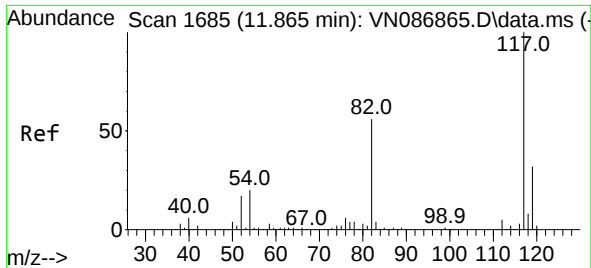
Tgt Ion: 98 Resp: 686809
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.778 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

Tgt Ion: 95 Resp: 241874
Ion Ratio Lower Upper
95 100
174 71.1 0.0 141.8
176 68.8 0.0 132.6

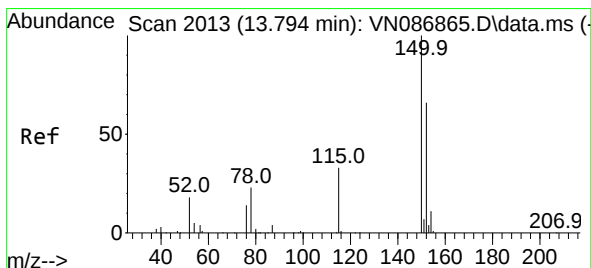
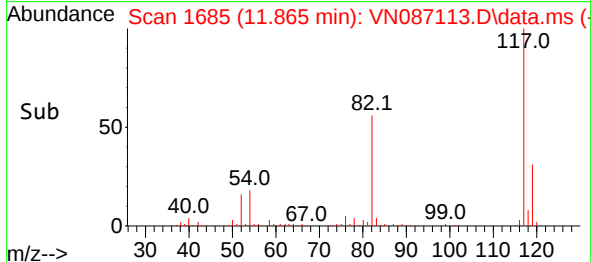
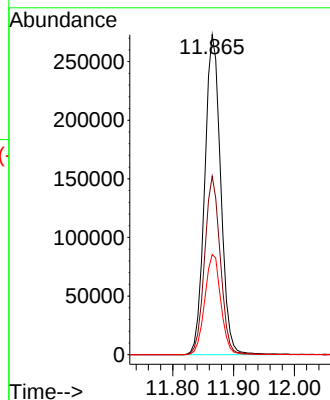
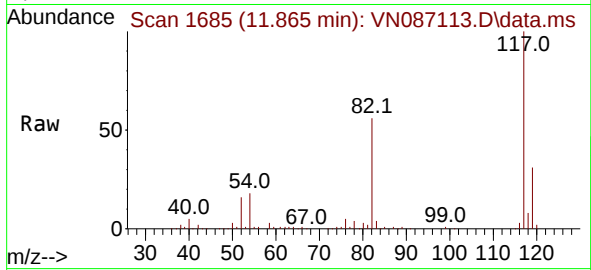




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 498501
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 31.3 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: VN087113.D
Acq: 19 Jun 2025 15:45

Tgt Ion:152 Resp: 236707
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.5
150 158.2 0.0 345.0

