

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087089.D
 Acq On : 18 Jun 2025 16:30
 Operator : JC\MD
 Sample : Q2329-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP03-20250613

Quant Time: Jun 19 01:31:09 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	8.235	168	270167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	555521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	502443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	235183	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	198127	54.773	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.540%
35) Dibromofluoromethane	8.177	113	170402	51.760	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.520%
50) Toluene-d8	10.571	98	680620	52.224	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.440%
62) 4-Bromofluorobenzene	12.847	95	240178	49.603	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.200%

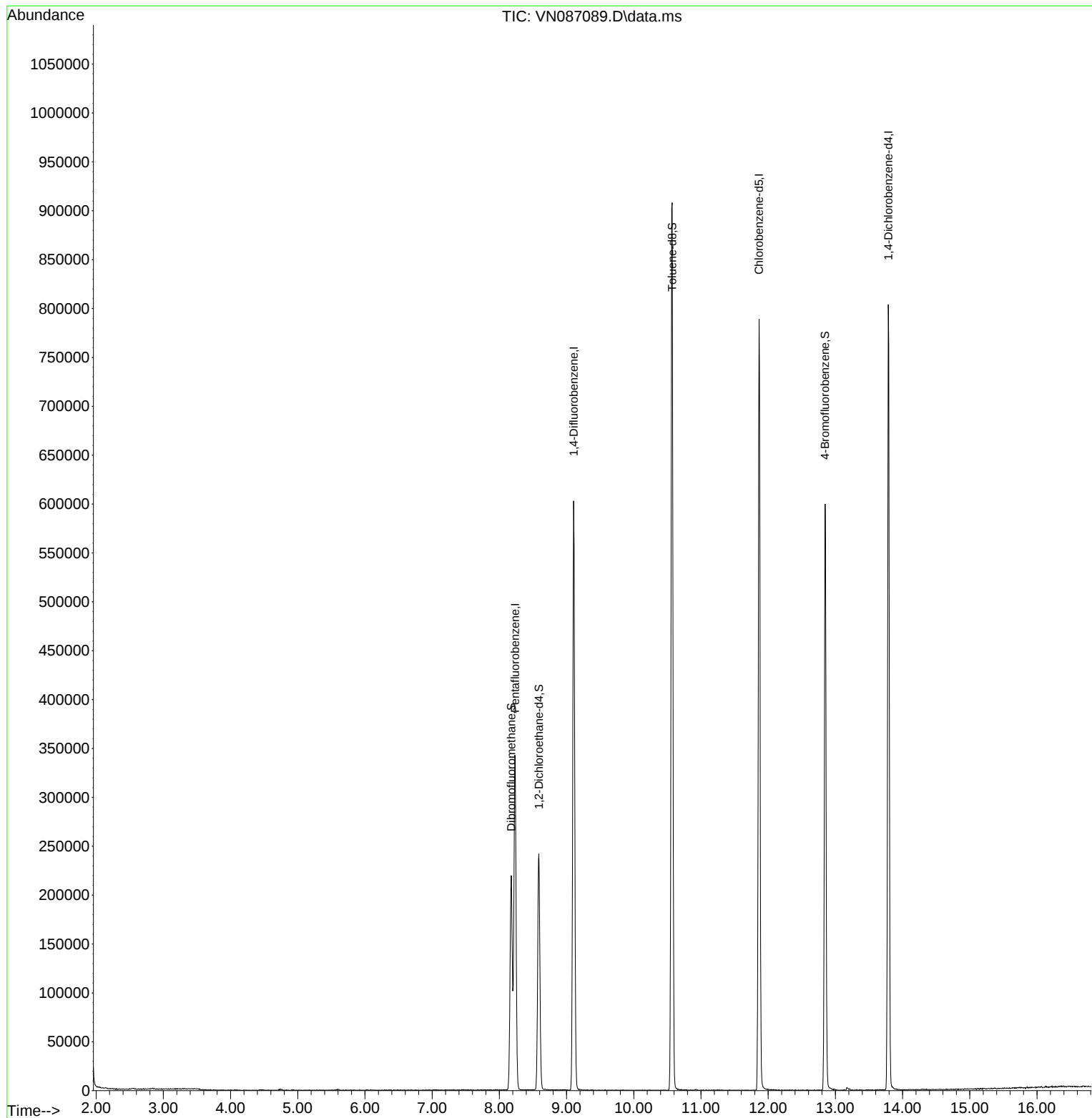
Target Compounds	Qvalue

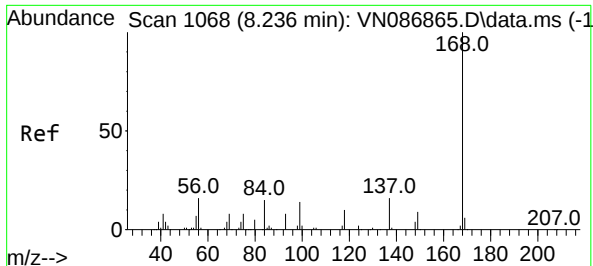
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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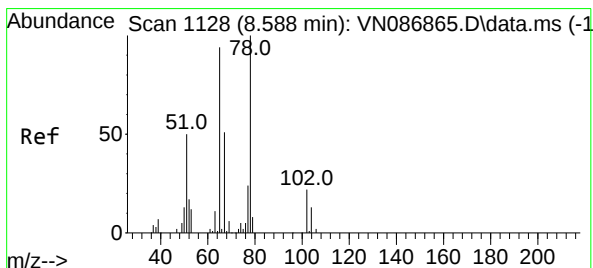
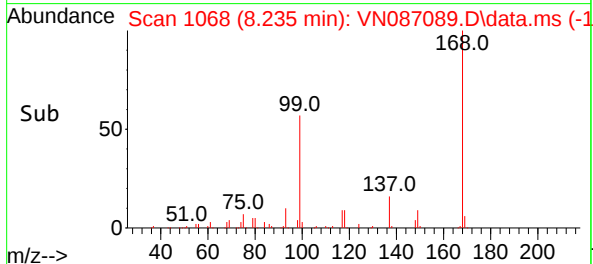
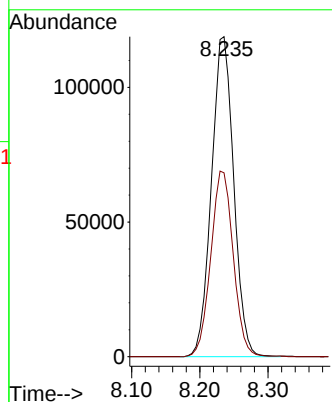
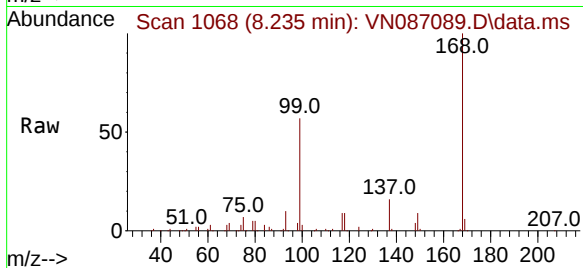




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1106
Delta R.T. -0.001 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

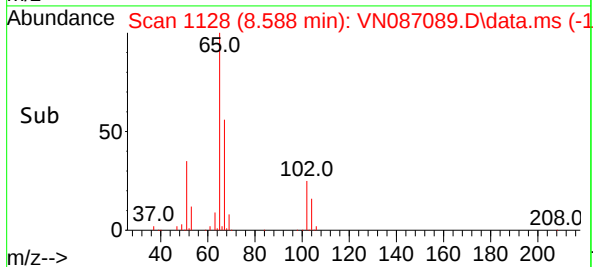
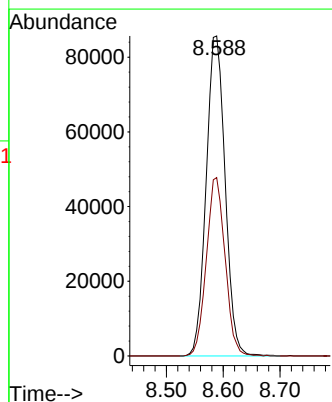
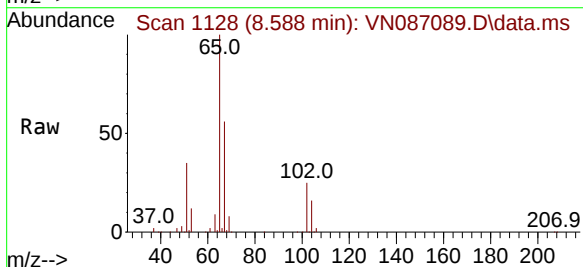
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20250613

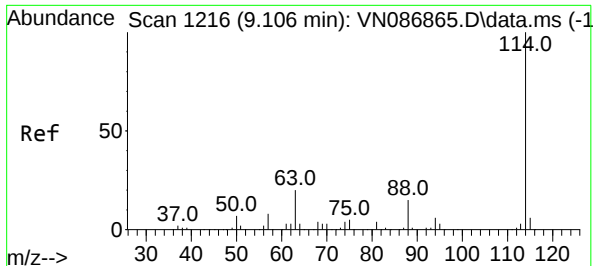
Tgt Ion:168 Resp: 270167
Ion Ratio Lower Upper
168 100
99 57.5 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 54.773 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

Tgt Ion: 65 Resp: 198127
Ion Ratio Lower Upper
65 100
67 55.1 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: VN087089.D

Acq: 18 Jun 2025 16:30

Instrument :

MSVOA_N

ClientSampleId :

DUP03-20250613

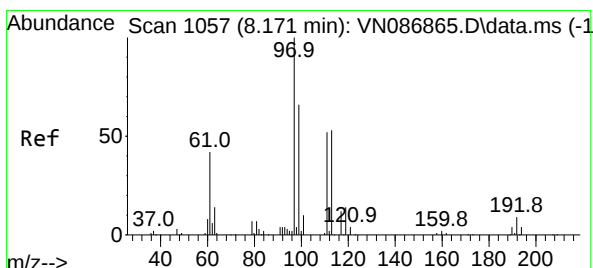
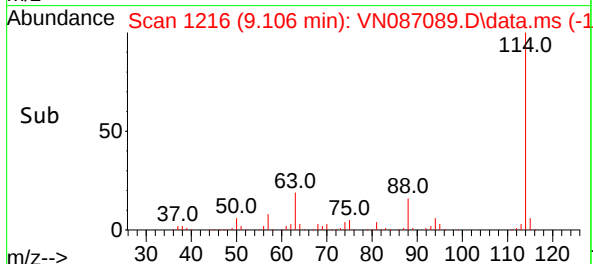
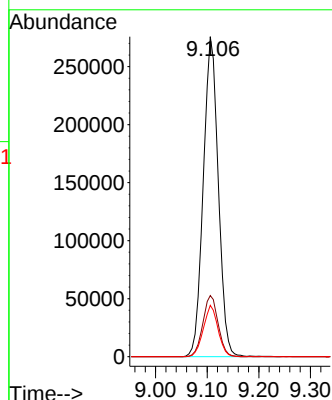
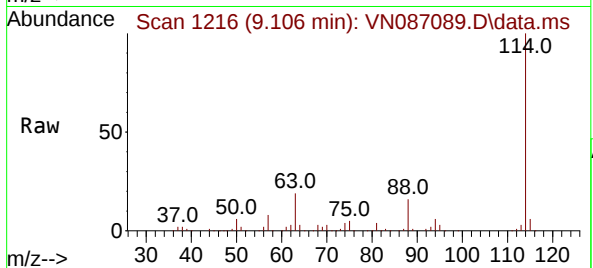
Tgt Ion:114 Resp: 555521

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 16.1 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.760 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087089.D

Acq: 18 Jun 2025 16:30

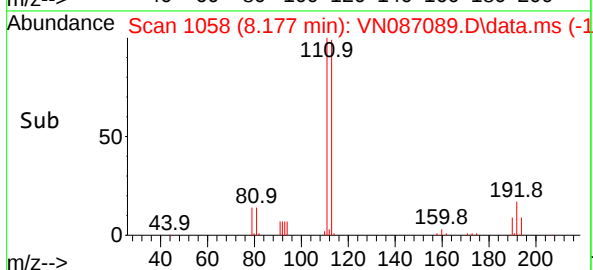
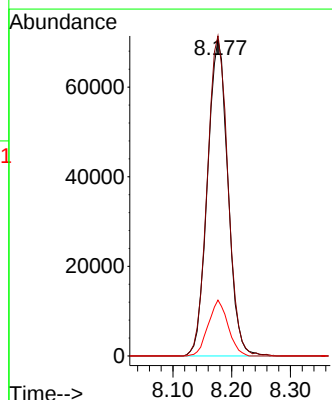
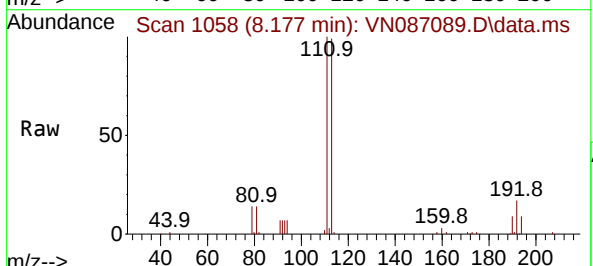
Tgt Ion:113 Resp: 170402

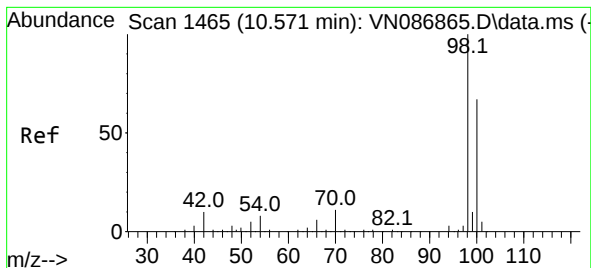
Ion Ratio Lower Upper

113 100

111 102.1 84.2 126.2

192 17.1 14.2 21.4

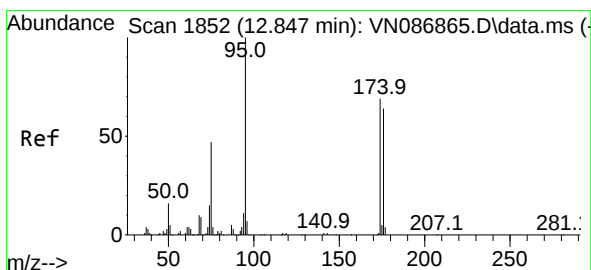
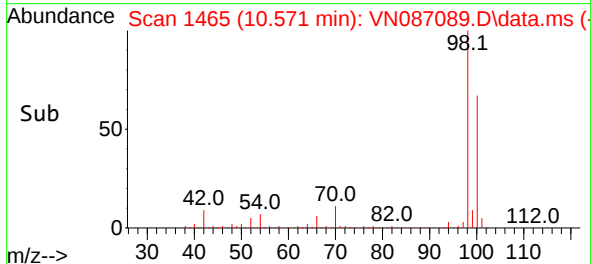
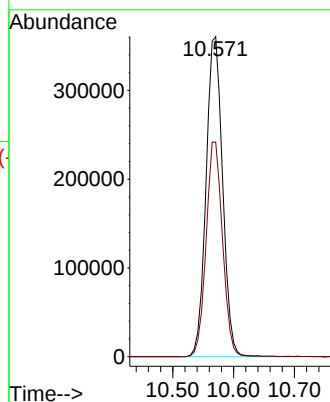
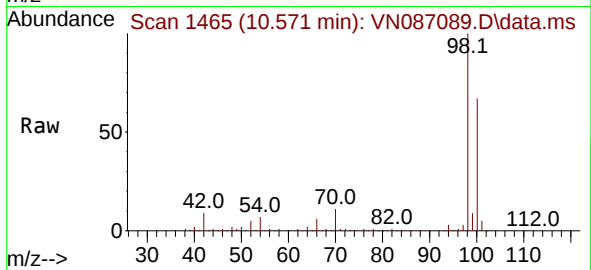




#50
Toluene-d8
Concen: 52.224 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

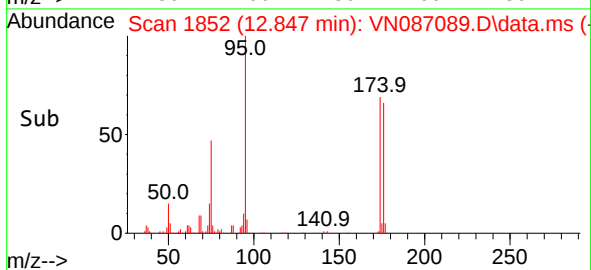
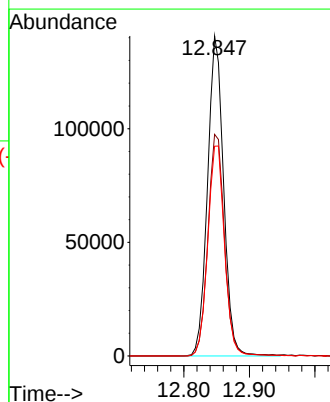
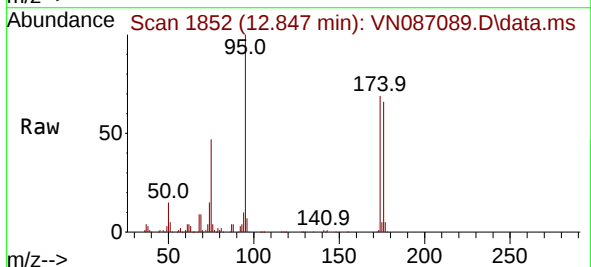
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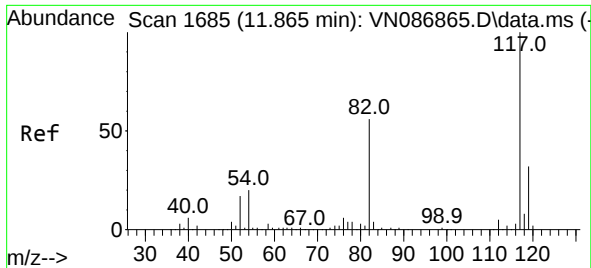
Tgt Ion: 98 Resp: 680620
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.603 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

Tgt Ion: 95 Resp: 240178
Ion Ratio Lower Upper
95 100
174 71.5 0.0 141.8
176 68.5 0.0 132.6

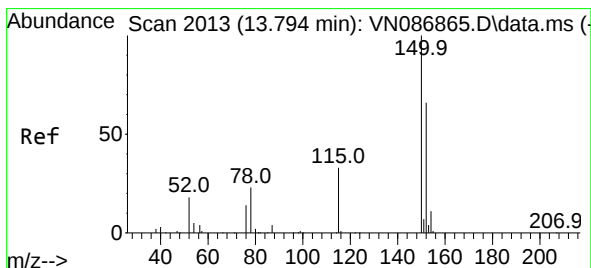
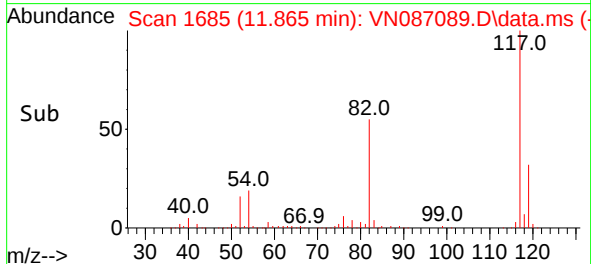
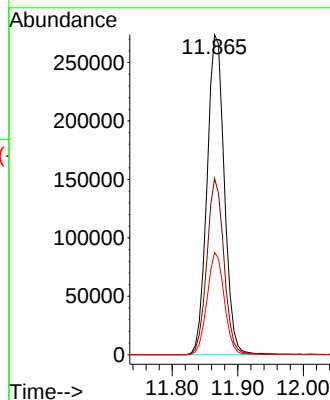
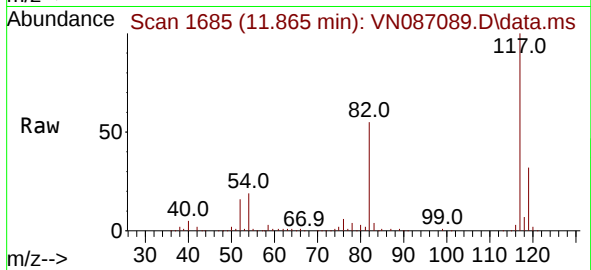




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

Instrument :
MSVOA_N
ClientSampleId :
DUP03-20250613

Tgt Ion:117 Resp: 502443
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 32.0 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: VN087089.D
Acq: 18 Jun 2025 16:30

Tgt Ion:152 Resp: 235183
Ion Ratio Lower Upper
152 100
115 60.7 30.1 90.5
150 159.6 0.0 345.0

