

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
 Data File : VN085922.D
 Acq On : 10 Mar 2025 18:23
 Operator : JC\MD
 Sample : Q1514-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB03062025

Quant Time: Mar 11 01:41:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	185446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	343862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	305300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121043	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134170	55.806	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.620%
35) Dibromofluoromethane	8.165	113	111966	49.761	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.520%
50) Toluene-d8	10.565	98	392872	47.991	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.980%
62) 4-Bromofluorobenzene	12.847	95	128707	47.718	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.440%

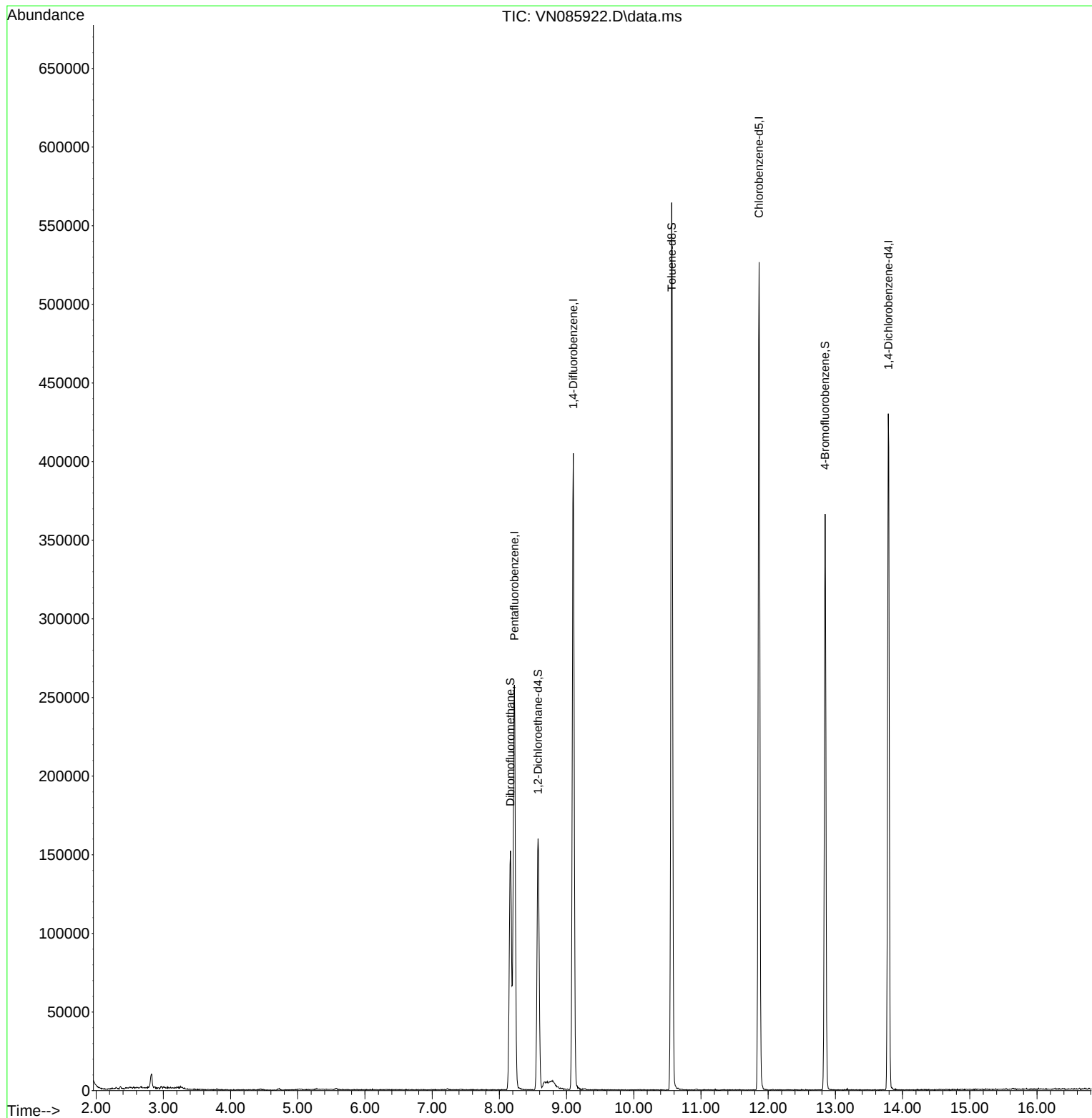
Target Compounds	Qvalue

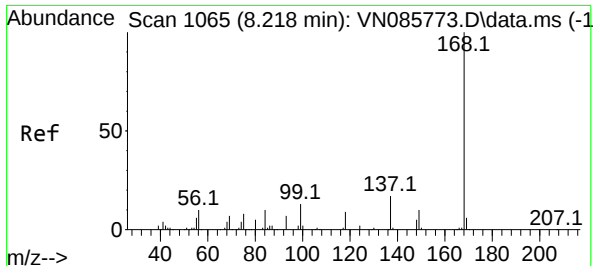
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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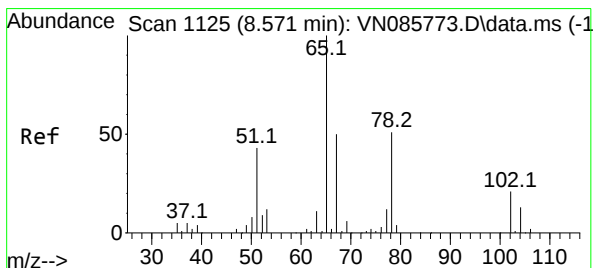
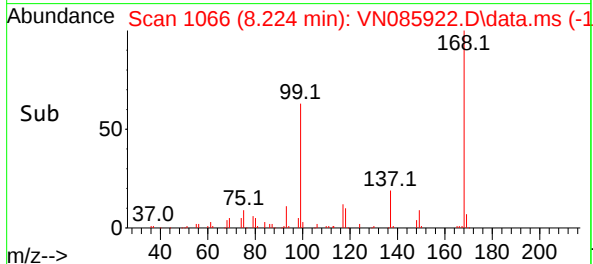
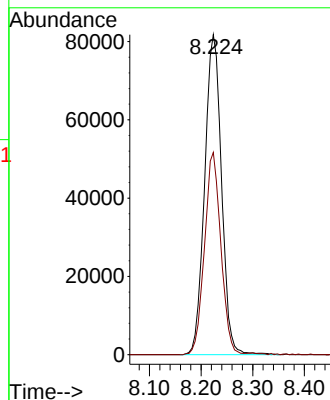
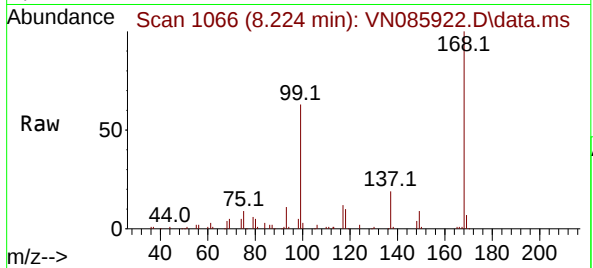




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

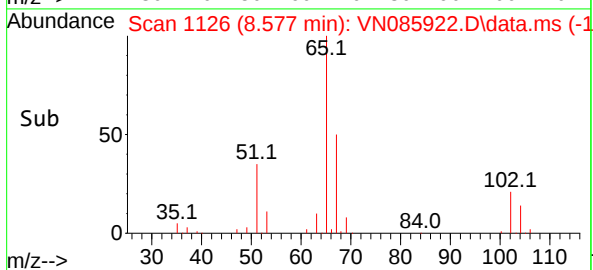
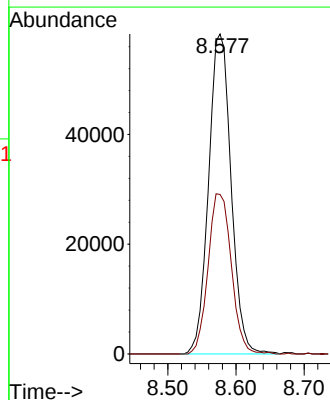
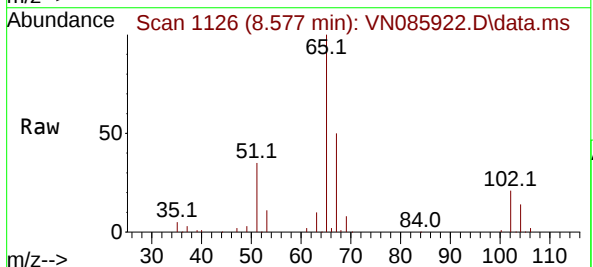
Instrument :
MSVOA_N
ClientSampleId :
TB03062025

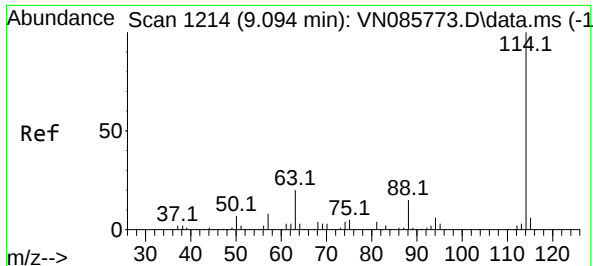
Tgt Ion:168 Resp: 185446
Ion Ratio Lower Upper
168 100
99 63.2 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 55.806 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

Tgt Ion: 65 Resp: 134170
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085922.D

Acq: 10 Mar 2025 18:23

Instrument :

MSVOA_N

ClientSampleId :

TB03062025

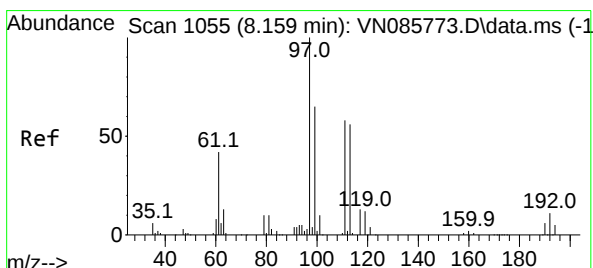
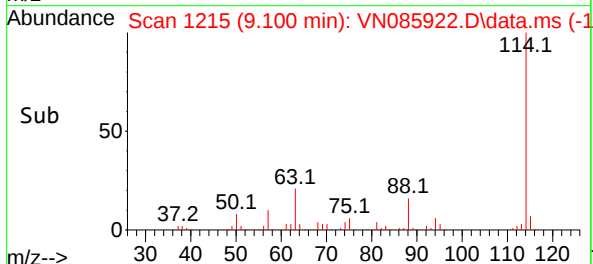
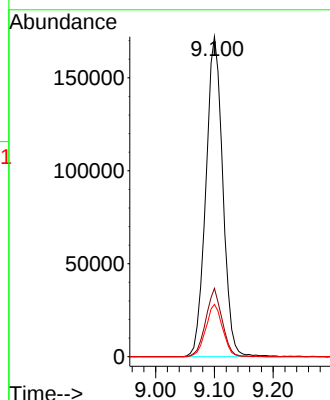
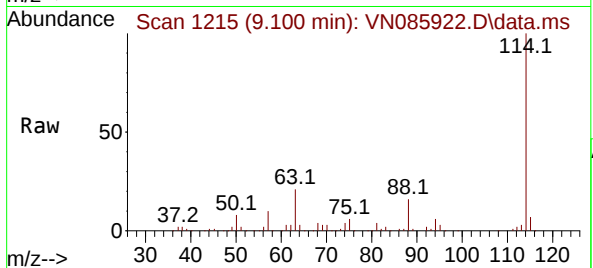
Tgt Ion:114 Resp: 343862

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.2

88 16.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 49.761 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085922.D

Acq: 10 Mar 2025 18:23

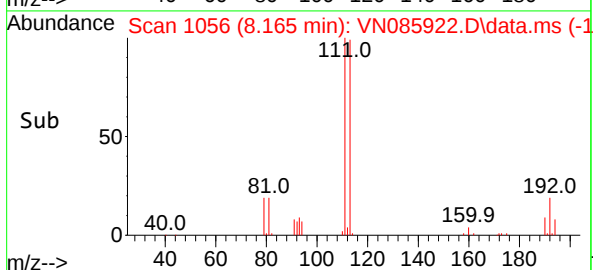
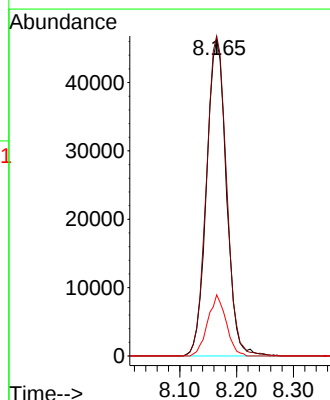
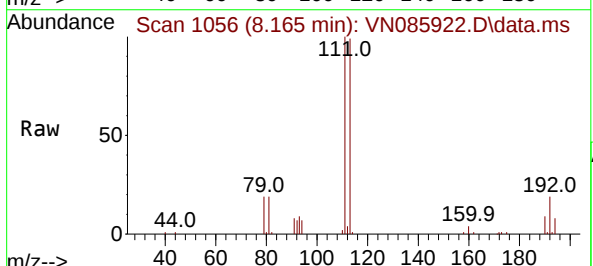
Tgt Ion:113 Resp: 111966

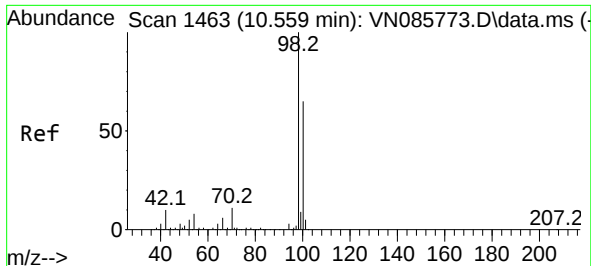
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 18.0 14.7 22.1

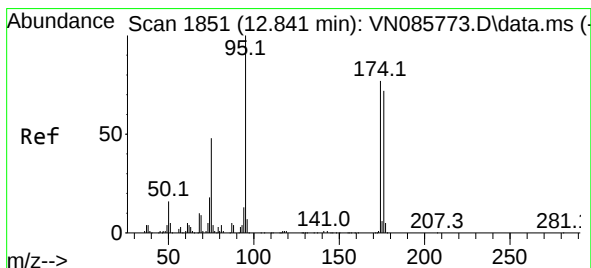
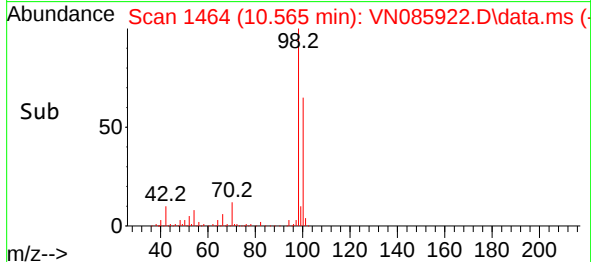
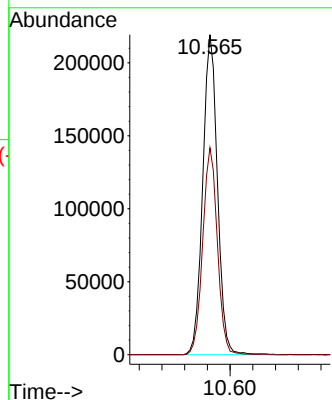
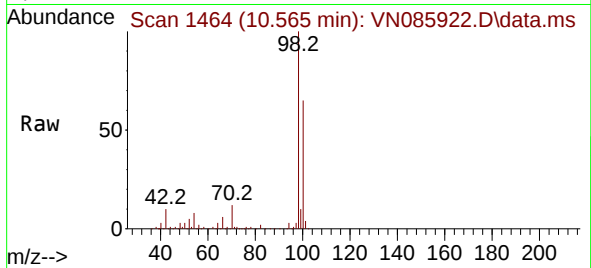




#50
Toluene-d8
Concen: 47.991 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

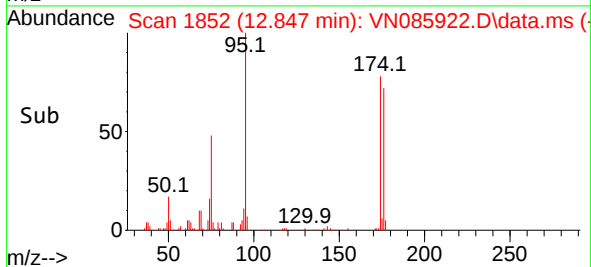
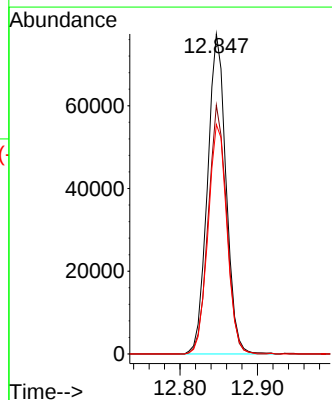
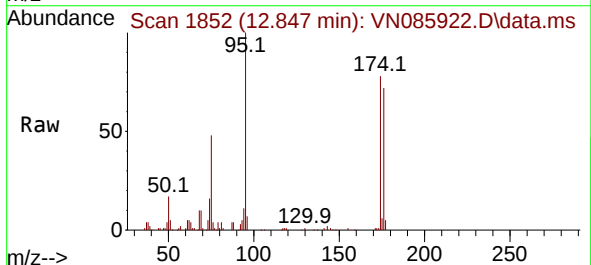
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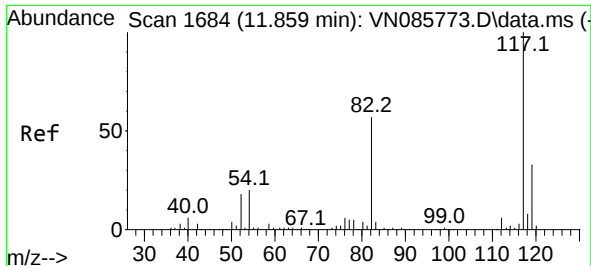
Tgt Ion: 98 Resp: 392872
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.718 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

Tgt Ion: 95 Resp: 128707
Ion Ratio Lower Upper
95 100
174 77.1 0.0 152.4
176 73.0 0.0 146.6

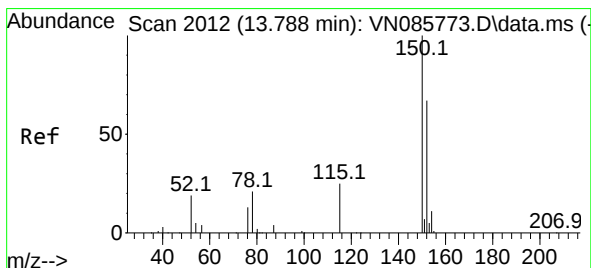
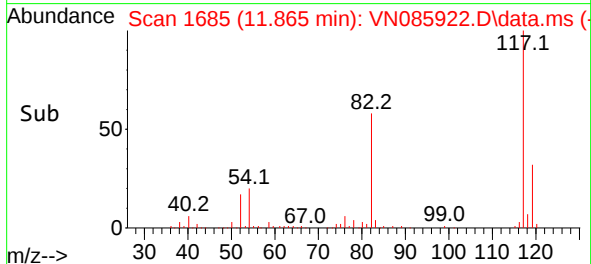
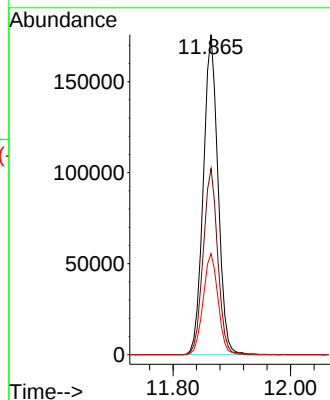
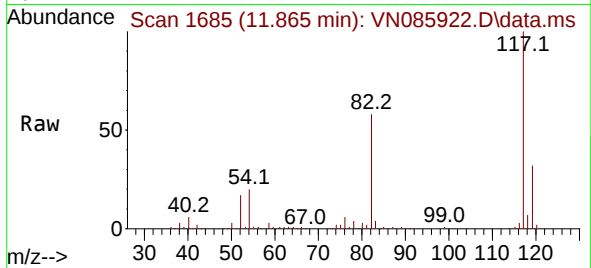




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

Instrument :
MSVOA_N
ClientSampleId :
TB03062025

Tgt Ion:117 Resp: 305300
Ion Ratio Lower Upper
117 100
82 58.2 45.7 68.5
119 31.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

Tgt Ion:152 Resp: 121043
Ion Ratio Lower Upper
152 100
115 61.7 30.4 91.3
150 160.6 0.0 345.4

