

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022425\
 Data File : VN085838.D
 Acq On : 24 Feb 2025 15:37
 Operator : JC\MD
 Sample : Q1405-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-02-021325

Quant Time: Feb 25 01:56:16 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	212384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	411076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	362397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	137032	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	168666	61.255	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	122.520%
35) Dibromofluoromethane	8.165	113	147765	54.934	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.860%
50) Toluene-d8	10.565	98	490740	50.144	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.280%
62) 4-Bromofluorobenzene	12.847	95	143968	44.649	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.300%

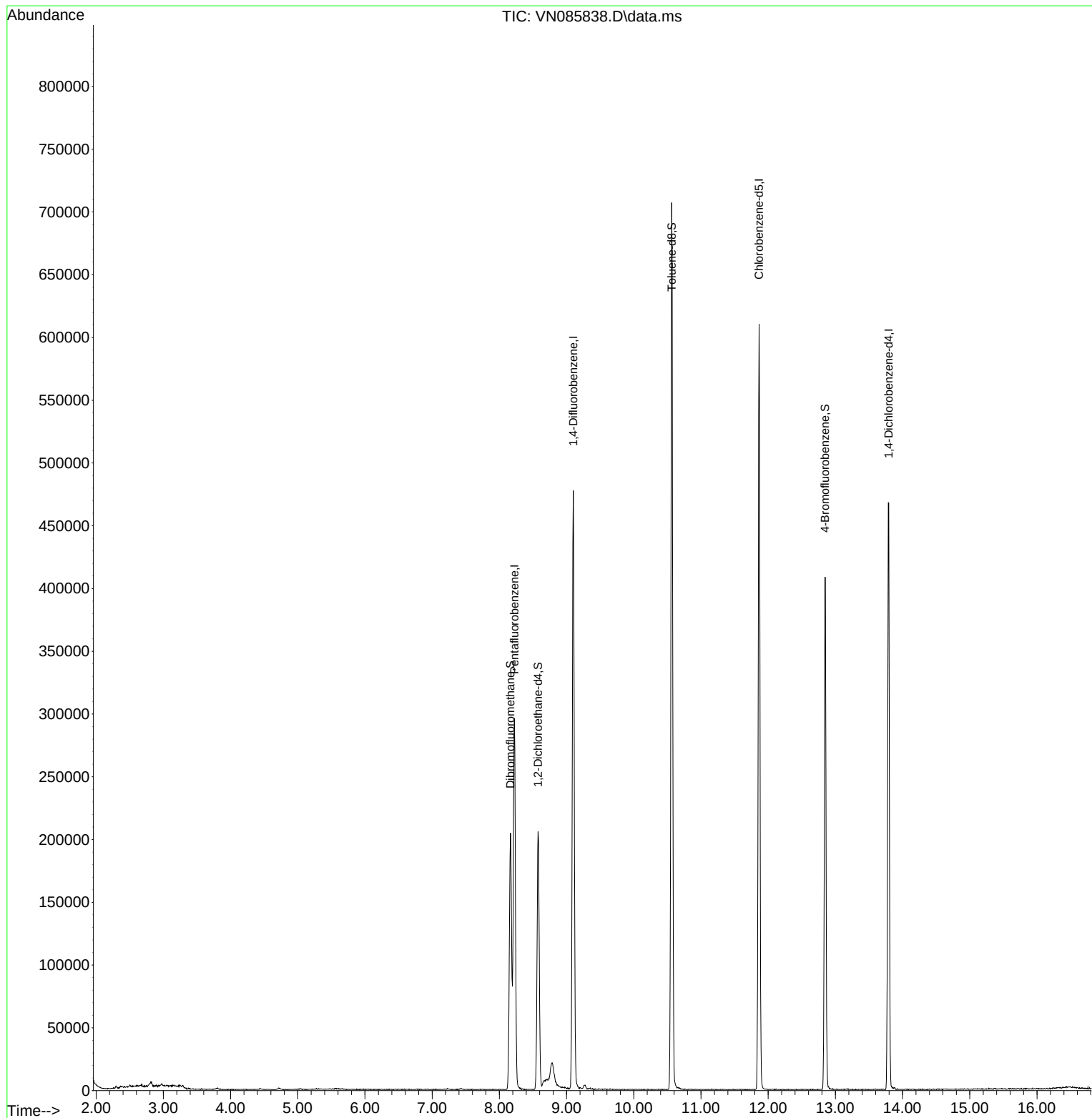
Target Compounds	Qvalue

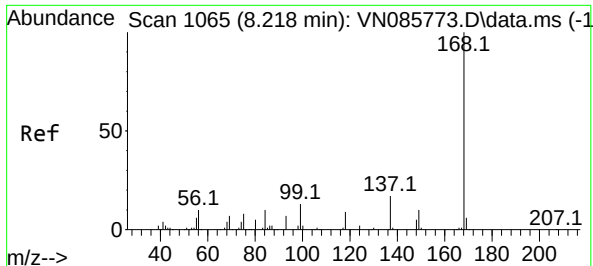
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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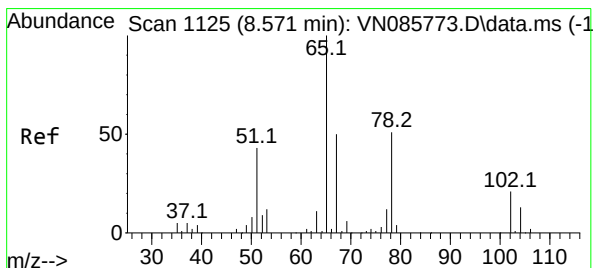
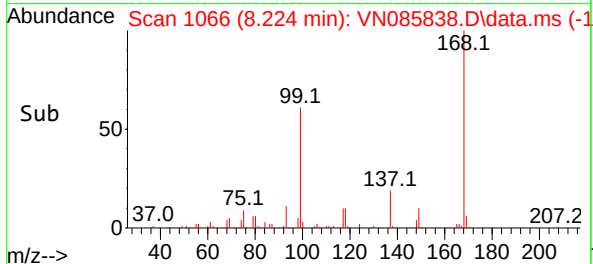
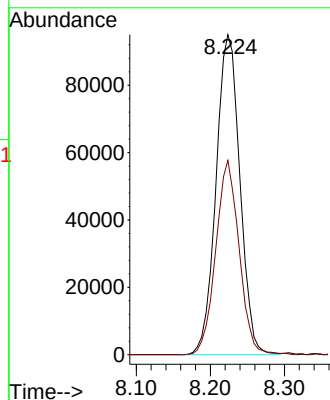
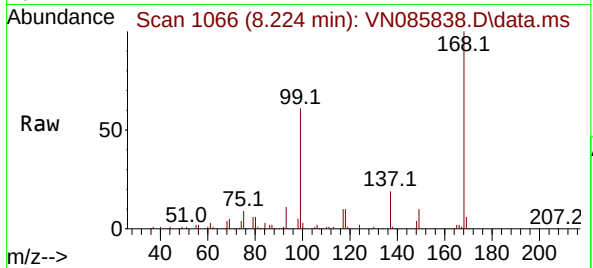




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085838.D
Acq: 24 Feb 2025 15:37

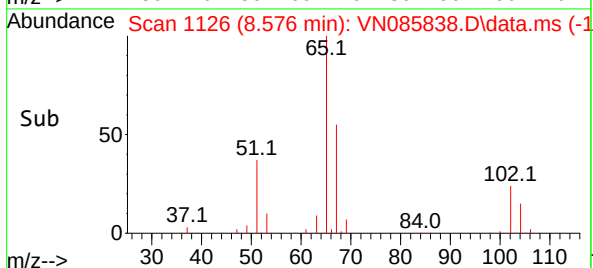
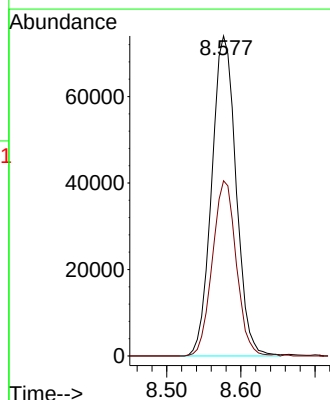
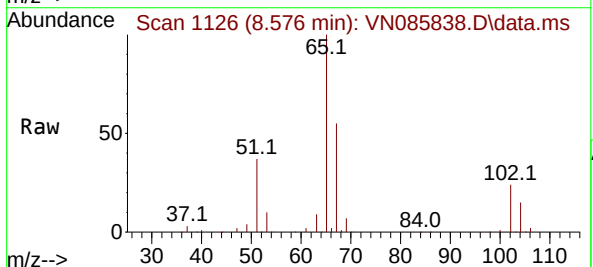
Instrument :
MSVOA_N
ClientSampleId :
TB-02-021325

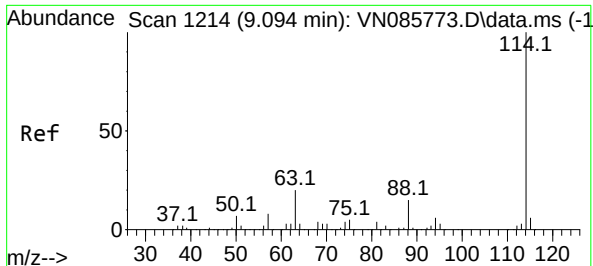
Tgt Ion:168 Resp: 212384
Ion Ratio Lower Upper
168 100
99 60.7 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 61.255 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085838.D
Acq: 24 Feb 2025 15:37

Tgt Ion: 65 Resp: 168666
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085838.D

Acq: 24 Feb 2025 15:37

Instrument :

MSVOA_N

ClientSampleId :

TB-02-021325

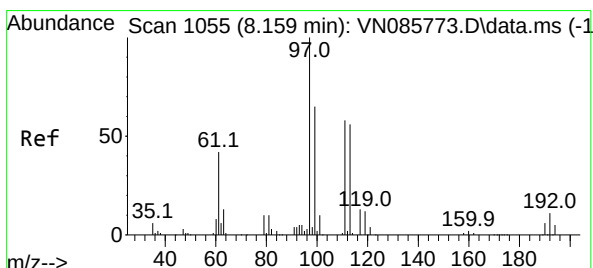
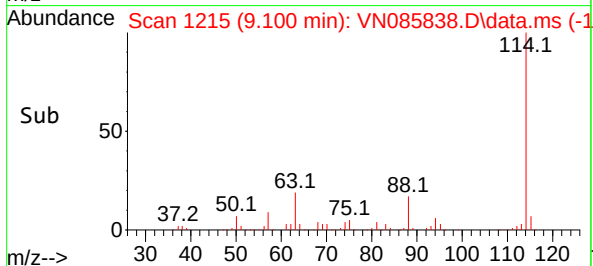
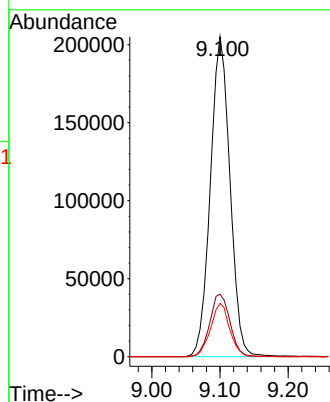
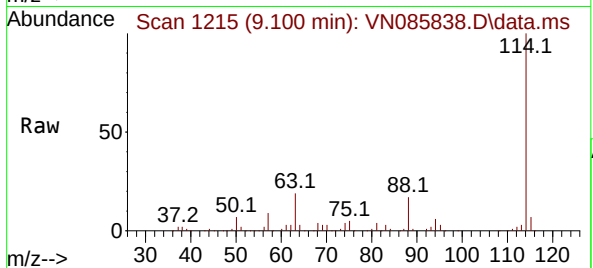
Tgt Ion:114 Resp: 411076

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

88 16.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.934 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085838.D

Acq: 24 Feb 2025 15:37

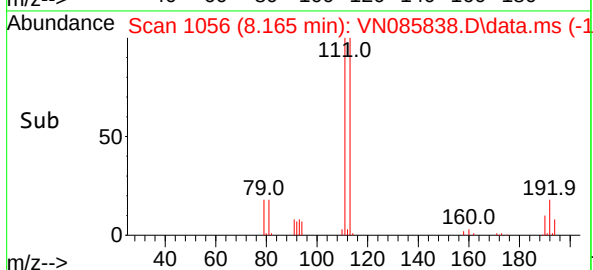
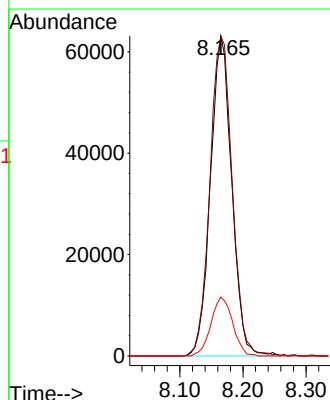
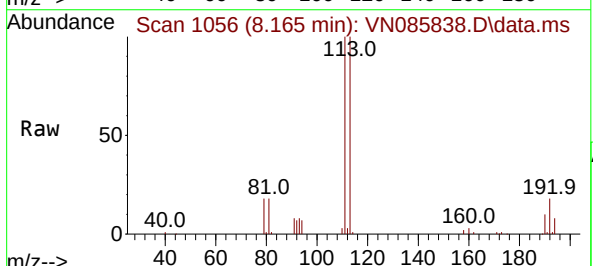
Tgt Ion:113 Resp: 147765

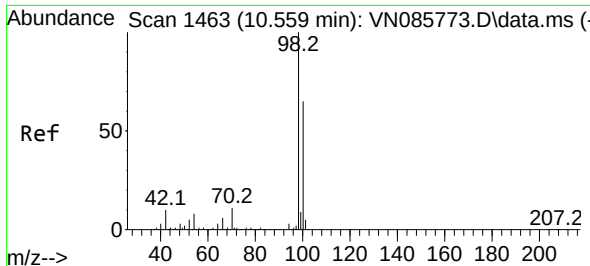
Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

192 18.8 14.7 22.1

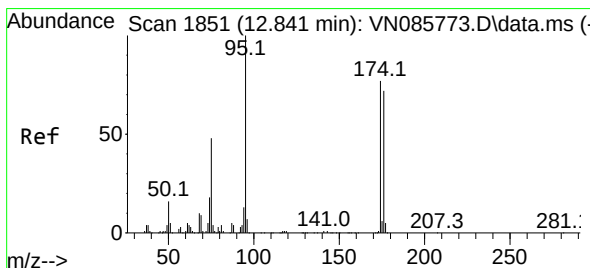
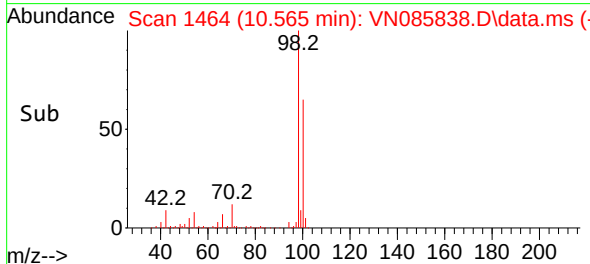
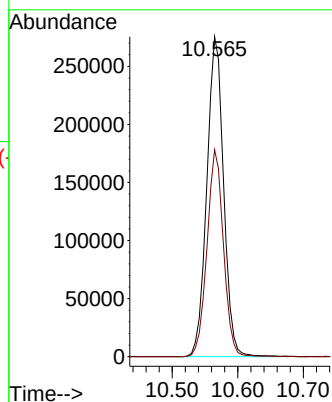
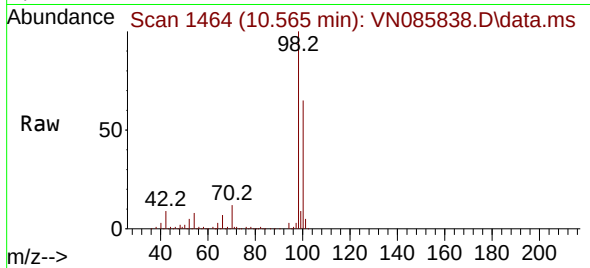




#50
Toluene-d8
Concen: 50.144 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085838.D
Acq: 24 Feb 2025 15:37

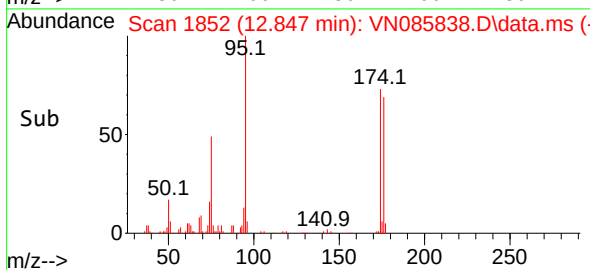
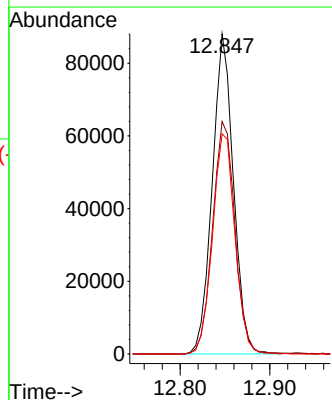
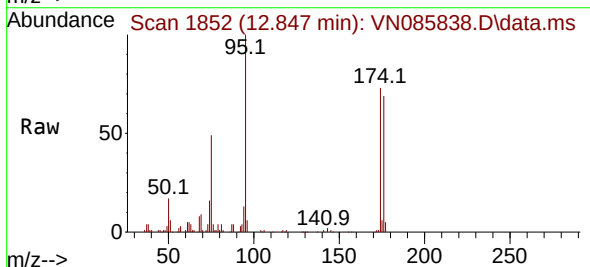
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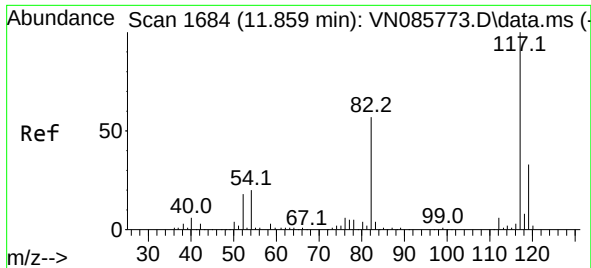
Tgt Ion: 98 Resp: 490740
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 44.649 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085838.D
Acq: 24 Feb 2025 15:37

Tgt Ion: 95 Resp: 143968
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.4
176 73.1 0.0 146.6

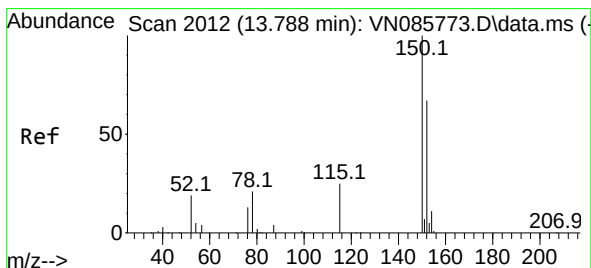
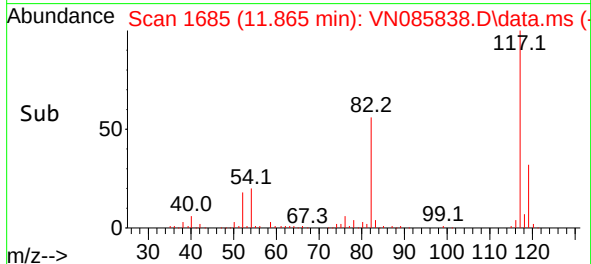
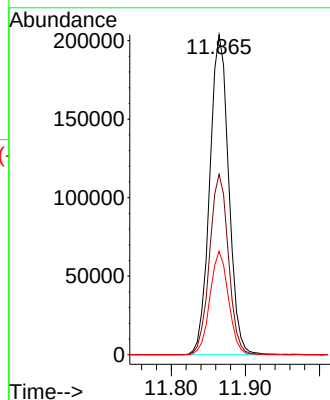
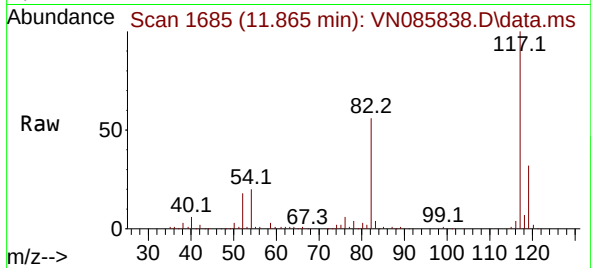




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085838.D
Acq: 24 Feb 2025 15:37

Instrument :
MSVOA_N
ClientSampleId :
TB-02-021325

Tgt Ion:117 Resp: 362397
Ion Ratio Lower Upper
117 100
82 56.4 45.7 68.5
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085838.D
Acq: 24 Feb 2025 15:37

Tgt Ion:152 Resp: 137032
Ion Ratio Lower Upper
152 100
115 59.8 30.4 91.3
150 156.3 0.0 345.4

