

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022525\
 Data File : VN085857.D
 Acq On : 25 Feb 2025 15:13
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 25 23:39:36 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	269557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	498499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	475400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	209435	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	196215	56.146	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.300%
35) Dibromofluoromethane	8.165	113	169945	52.099	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.200%
50) Toluene-d8	10.565	98	626560	52.794	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.580%
62) 4-Bromofluorobenzene	12.847	95	227568	58.198	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	116.400%

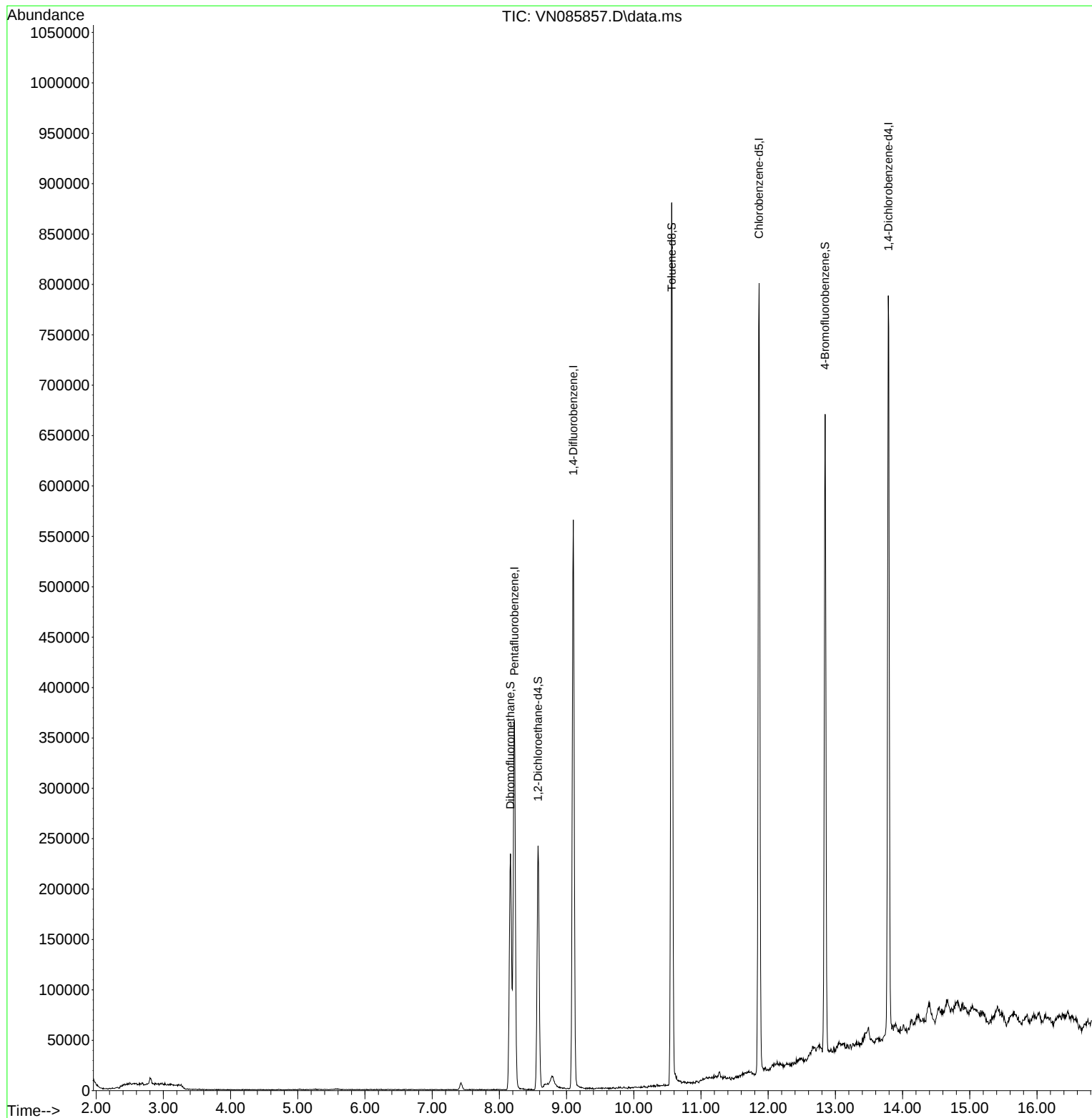
Target Compounds	Qvalue

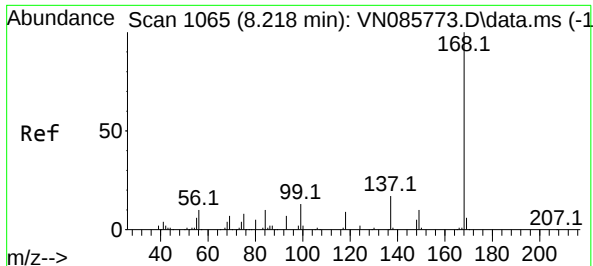
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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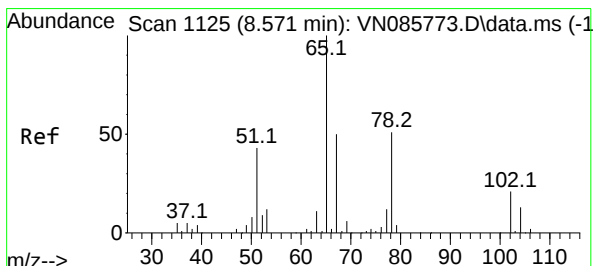
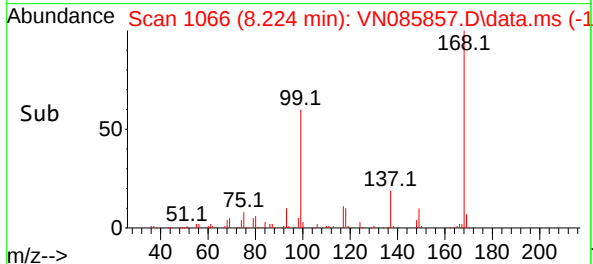
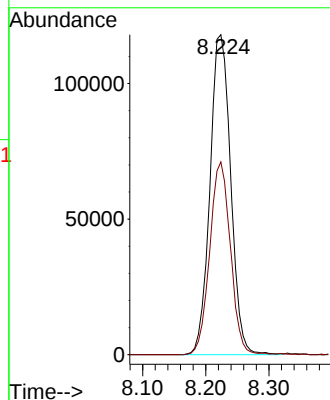
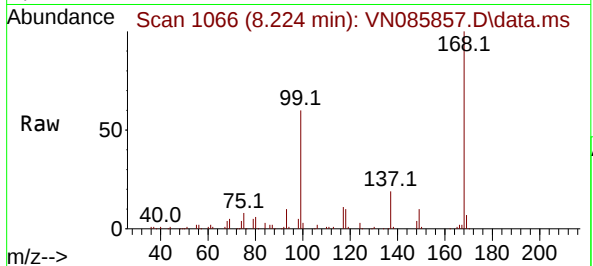




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

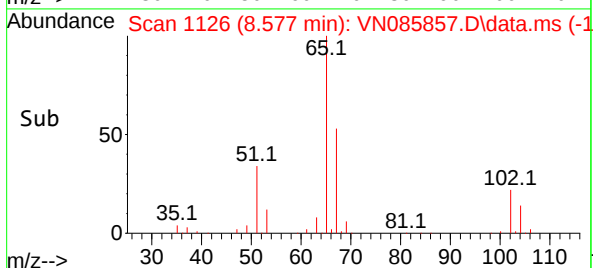
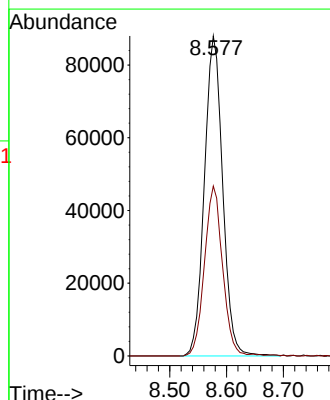
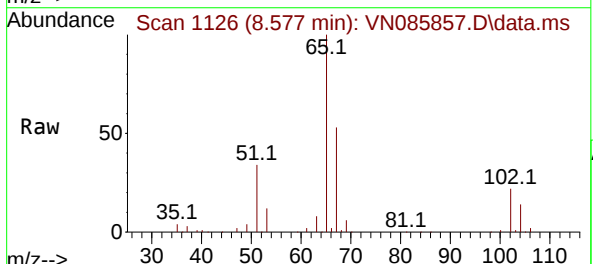
Instrument :
MSVOA_N
ClientSampleId :
IBLK

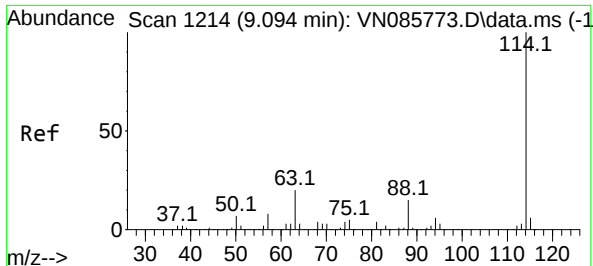
Tgt Ion:168 Resp: 269557
Ion Ratio Lower Upper
168 100
99 60.3 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 56.146 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

Tgt Ion: 65 Resp: 196215
Ion Ratio Lower Upper
65 100
67 52.7 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: VN085857.D

Acq: 25 Feb 2025 15:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

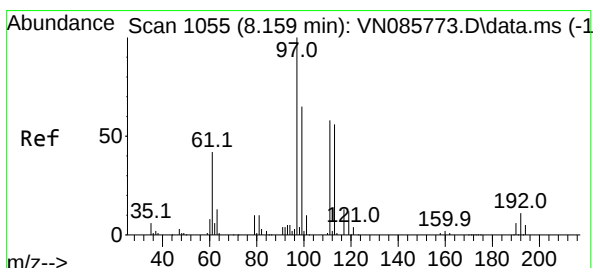
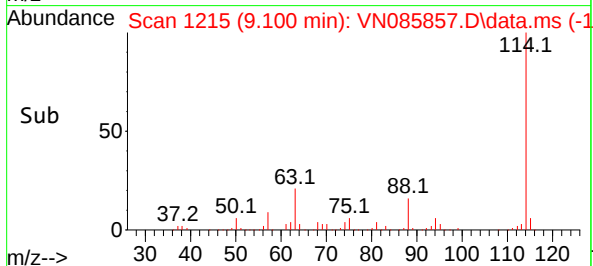
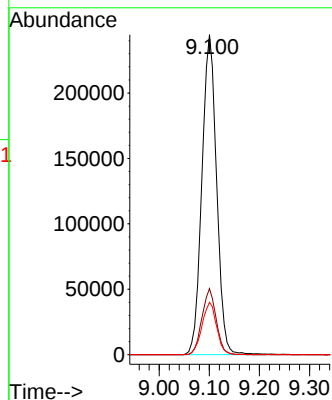
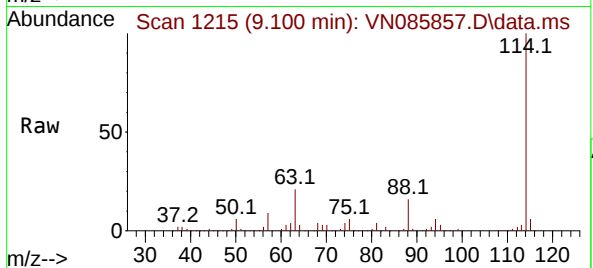
Tgt Ion:114 Resp: 498499

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.2

88 16.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.099 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085857.D

Acq: 25 Feb 2025 15:13

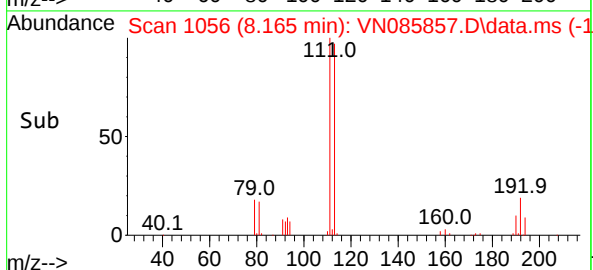
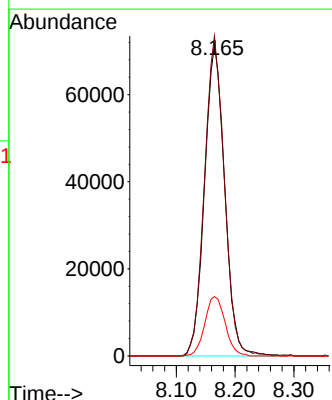
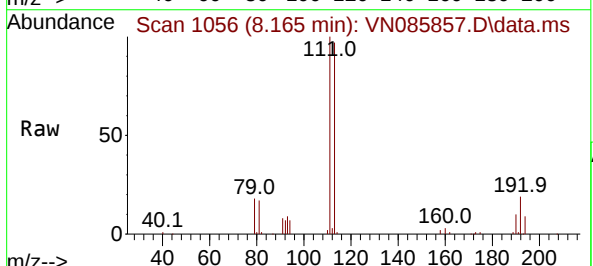
Tgt Ion:113 Resp: 169945

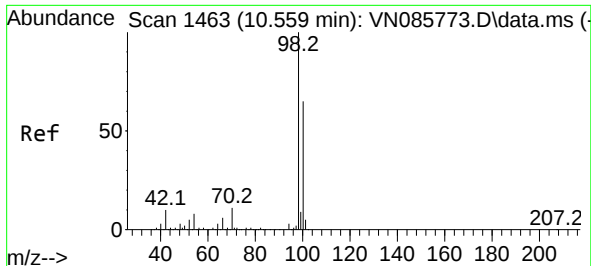
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

192 19.3 14.7 22.1

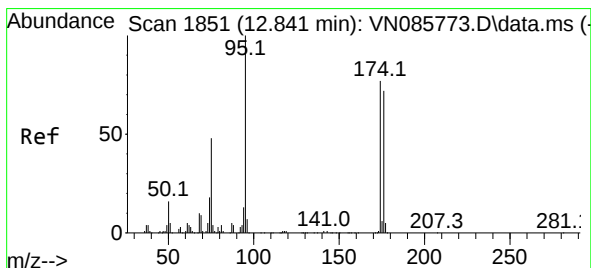
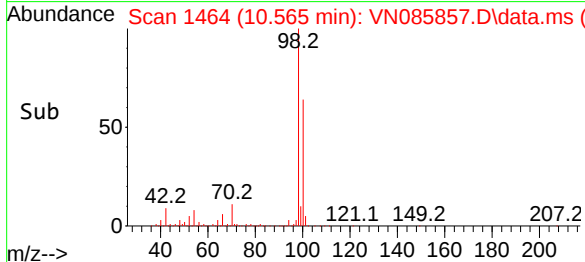
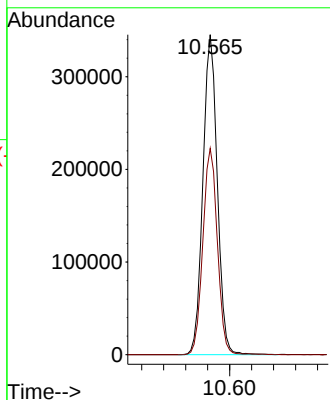
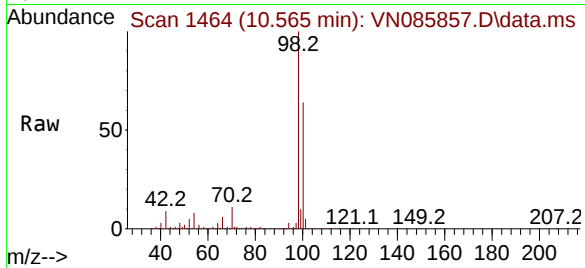




#50
Toluene-d8
Concen: 52.794 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

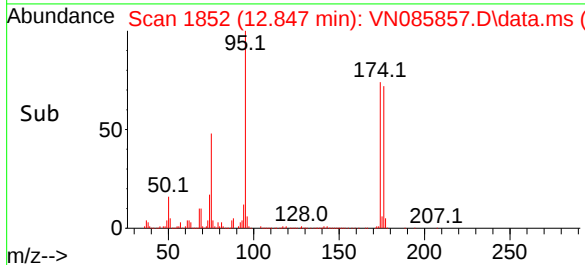
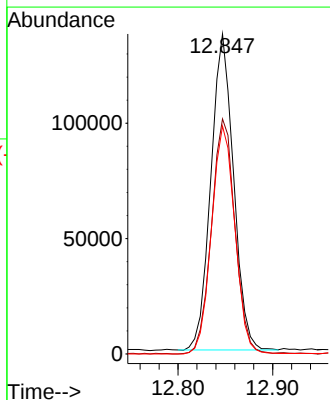
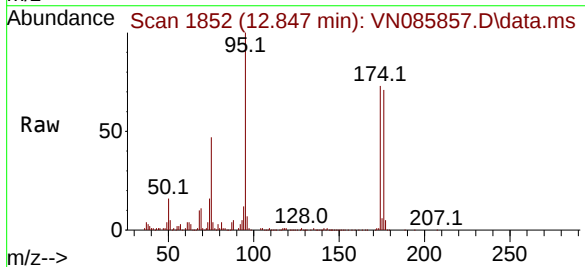
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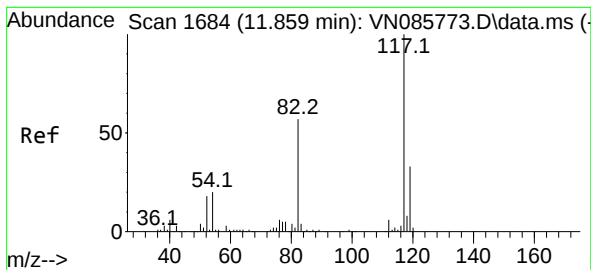
Tgt Ion: 98 Resp: 626560
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 58.198 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

Tgt Ion: 95 Resp: 227568
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.4
176 74.4 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085857.D

Acq: 25 Feb 2025 15:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

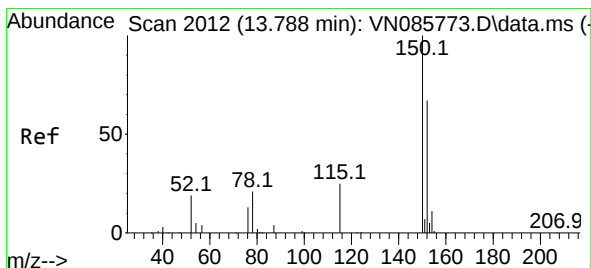
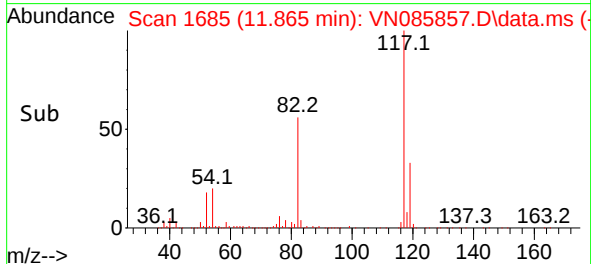
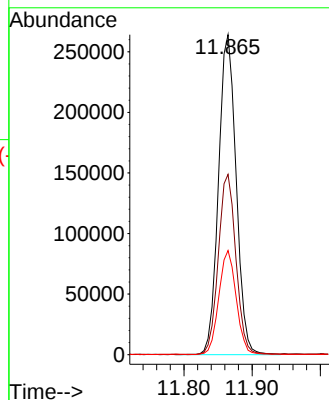
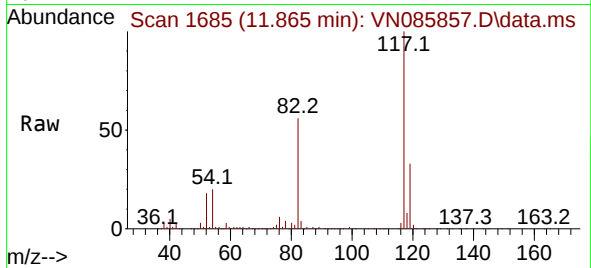
Tgt Ion:117 Resp: 475400

Ion Ratio Lower Upper

117 100

82 56.2 45.7 68.5

119 32.5 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: VN085857.D

Acq: 25 Feb 2025 15:13

Tgt Ion:152 Resp: 209435

Ion Ratio Lower Upper

152 100

115 61.2 30.4 91.3

150 156.5 0.0 345.4

