

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086719.D
 Acq On : 20 May 2025 15:39
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: May 21 01:47:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	165892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	327522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125758	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	122007	53.224	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.440%
35) Dibromofluoromethane	8.165	113	102604	52.603	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.200%
50) Toluene-d8	10.565	98	422523	52.272	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.540%
62) 4-Bromofluorobenzene	12.847	95	144135	50.501	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.000%

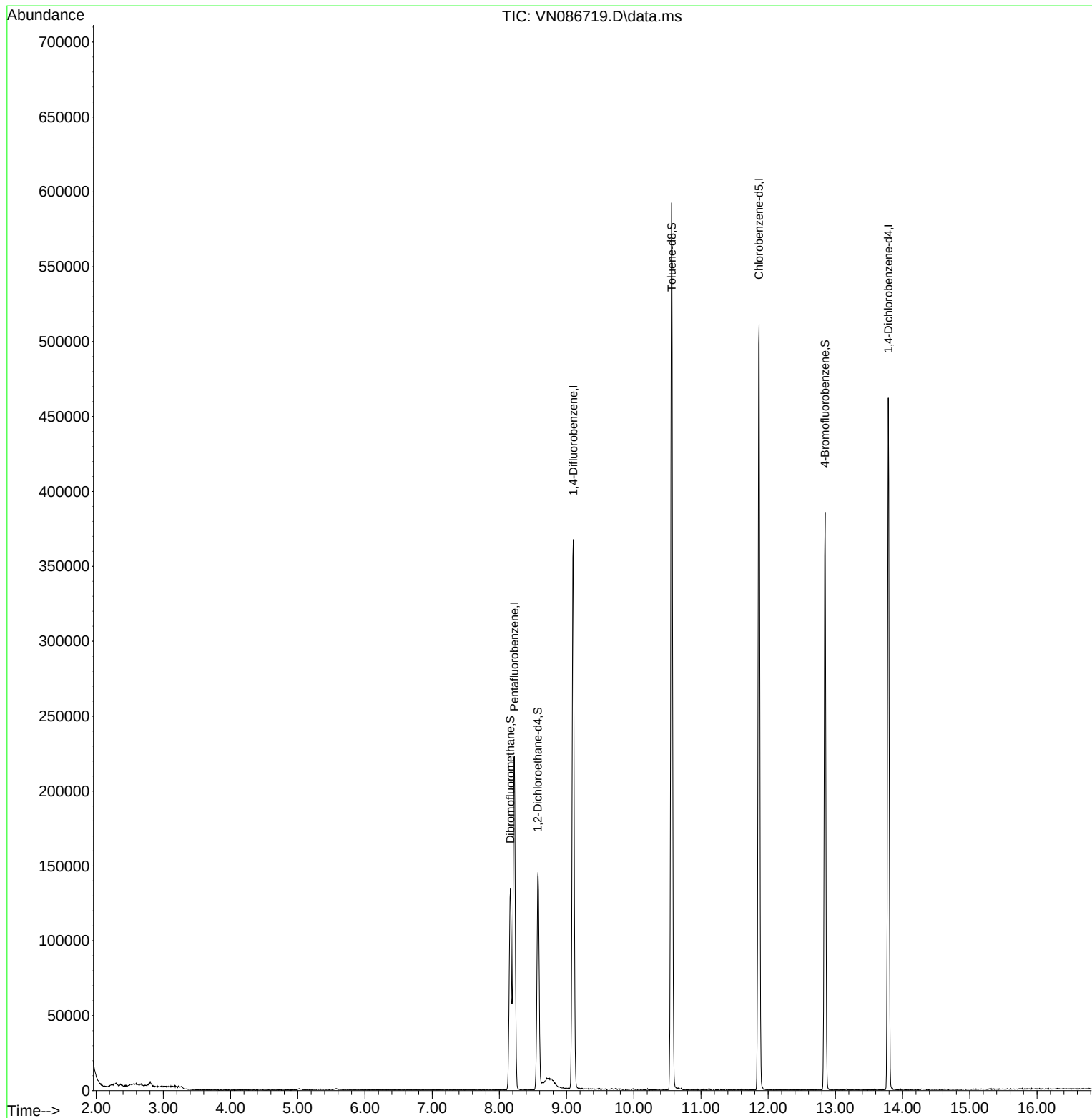
Target Compounds	Qvalue

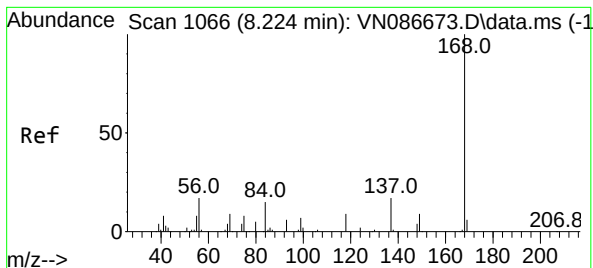
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086719.D

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MSVOA_N

ClientSampleId :

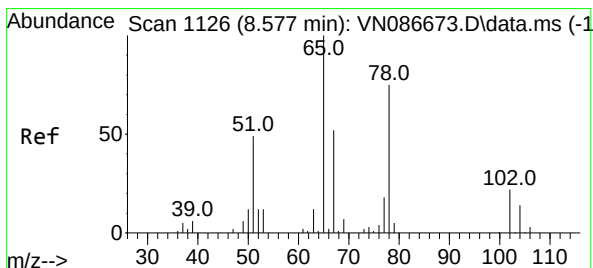
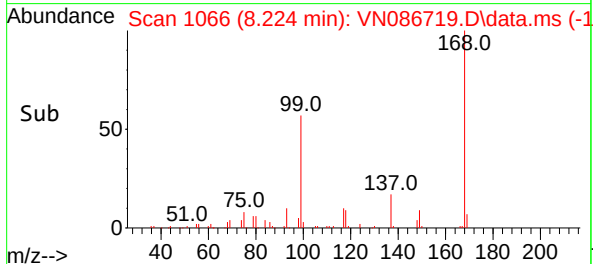
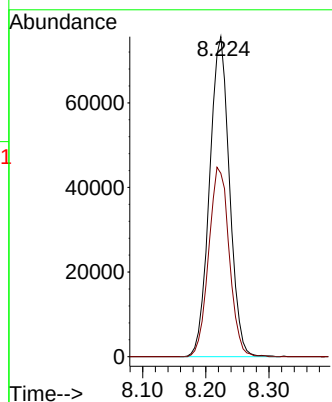
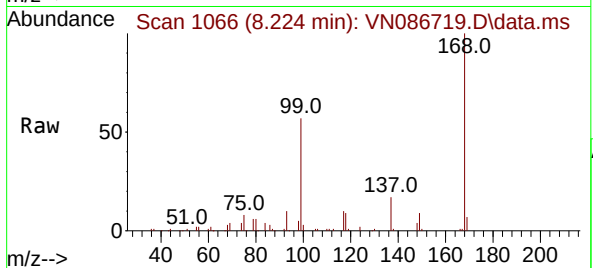
VIBLK

Tgt Ion:168 Resp: 165892

Ion Ratio Lower Upper

168 100

99 57.3 47.0 70.4



#33

1,2-Dichloroethane-d4

Concen: 53.224 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN086719.D

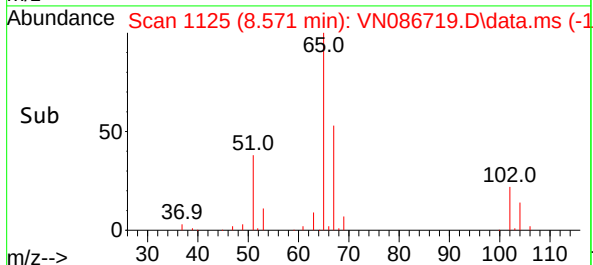
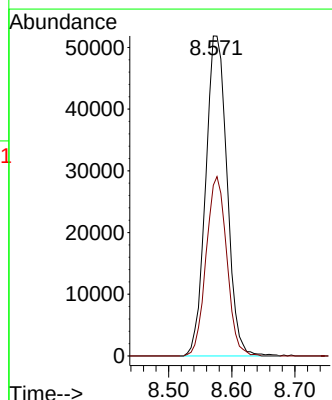
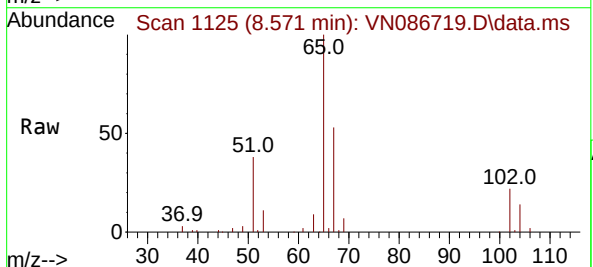
Acq: 20 May 2025 15:39

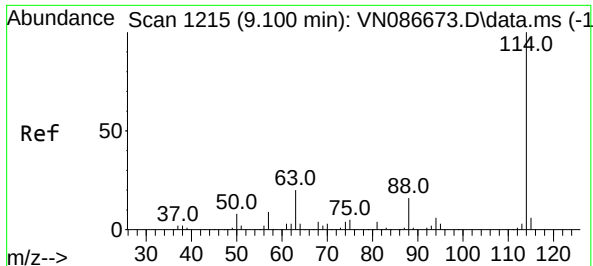
Tgt Ion: 65 Resp: 122007

Ion Ratio Lower Upper

65 100

67 54.0 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086719.D

Acq: 20 May 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

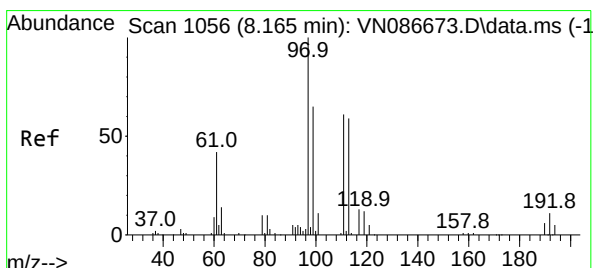
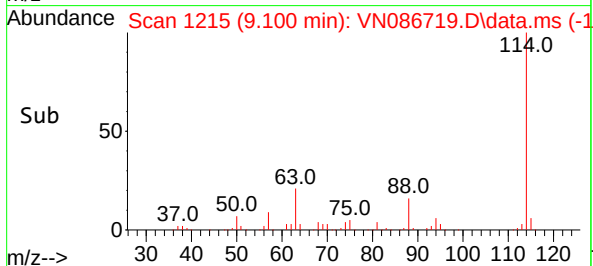
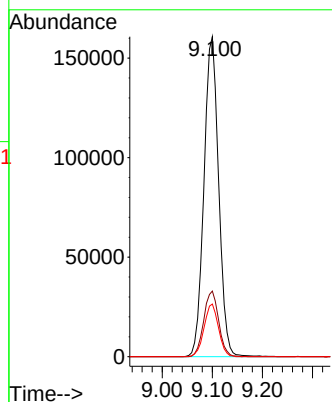
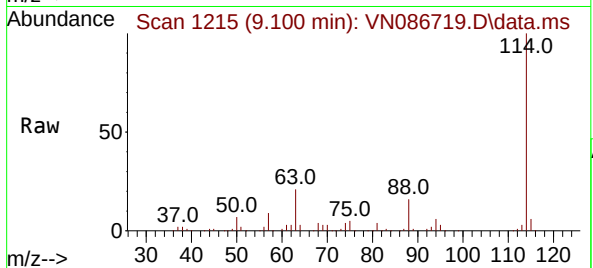
Tgt Ion:114 Resp: 327522

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.2

88 16.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 52.603 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086719.D

Acq: 20 May 2025 15:39

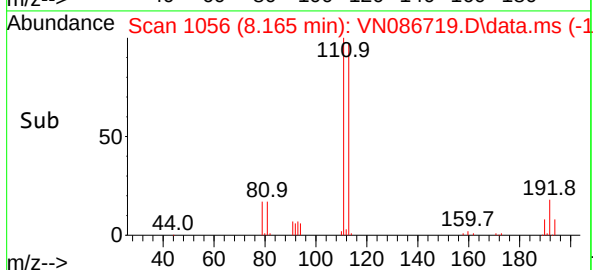
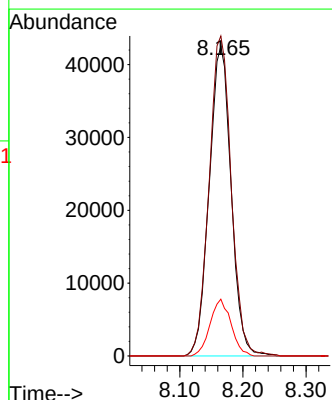
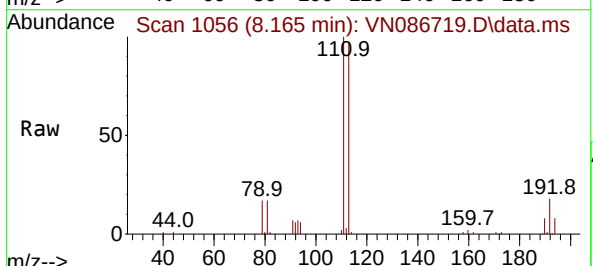
Tgt Ion:113 Resp: 102604

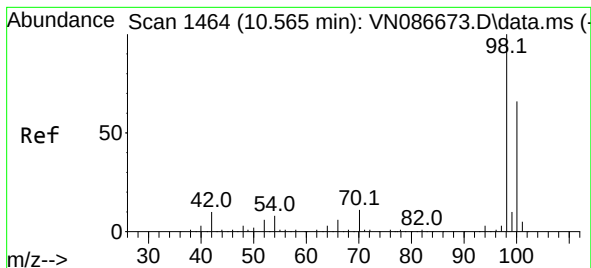
Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.2

192 17.6 13.8 20.8

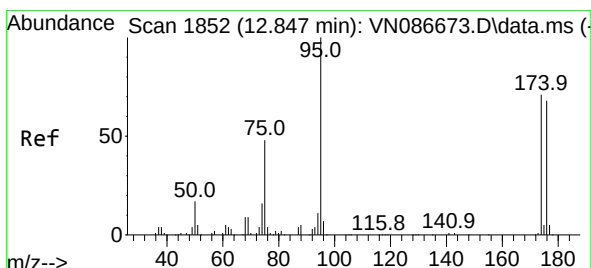
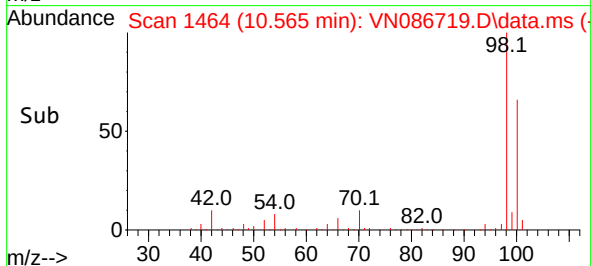
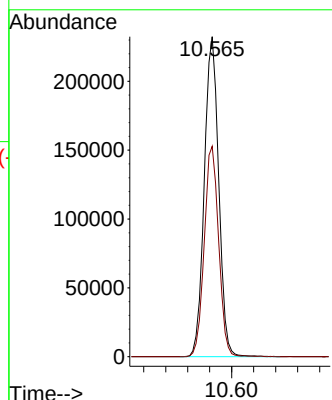
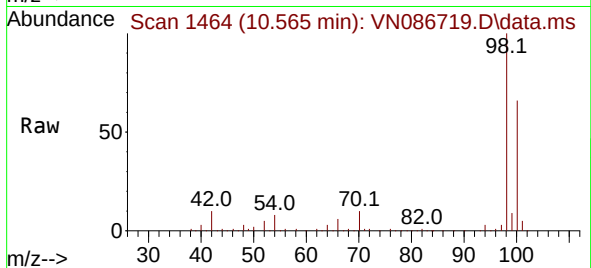




#50
Toluene-d8
Concen: 52.272 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086719.D
Acq: 20 May 2025 15:39

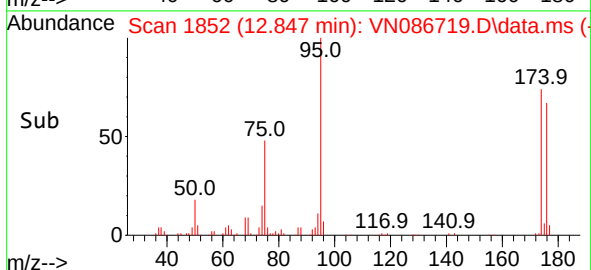
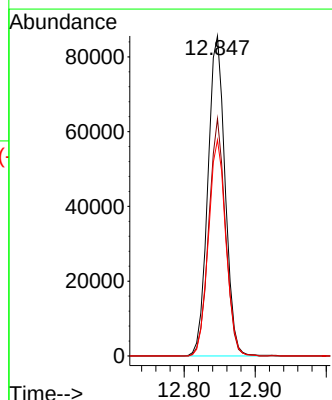
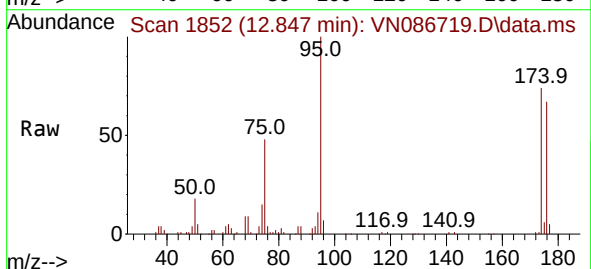
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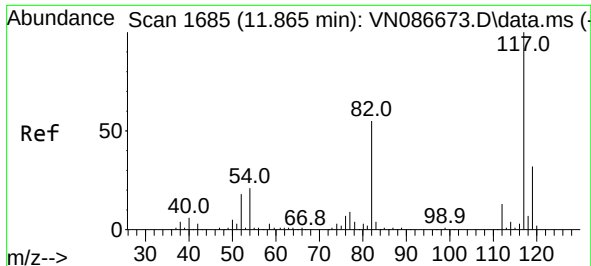
Tgt Ion: 98 Resp: 422523
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 50.501 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086719.D
Acq: 20 May 2025 15:39

Tgt Ion: 95 Resp: 144135
Ion Ratio Lower Upper
95 100
174 71.6 0.0 145.4
176 68.4 0.0 137.8

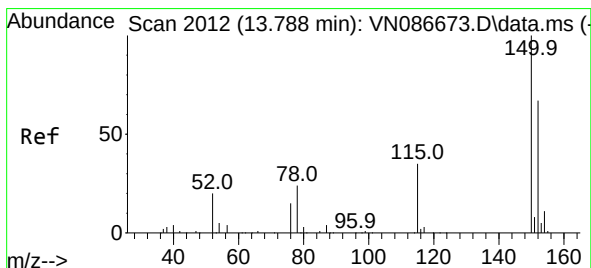
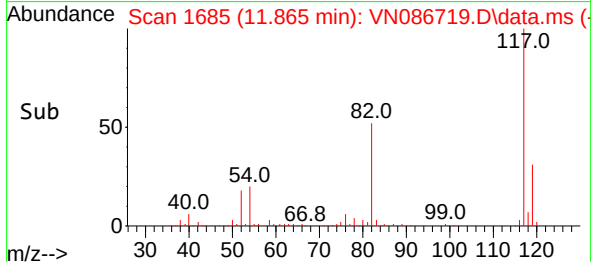
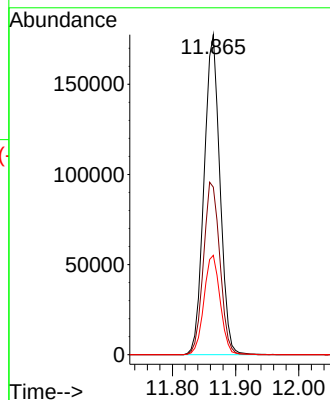
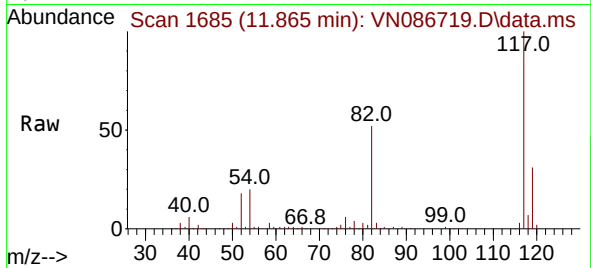




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086719.D
Acq: 20 May 2025 15:39

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 309617
Ion Ratio Lower Upper
117 100
82 52.3 44.2 66.2
119 31.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086719.D
Acq: 20 May 2025 15:39

Tgt Ion:152 Resp: 125758
Ion Ratio Lower Upper
152 100
115 60.7 30.0 90.1
150 159.4 0.0 347.8

