

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086283.D
 Acq On : 15 Apr 2025 15:06
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Apr 16 04:30:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	187173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	358100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	328290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135621	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	135144	49.792	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.580%
35) Dibromofluoromethane	8.165	113	93710	56.384	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.760%
50) Toluene-d8	10.565	98	457215	51.474	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.940%
62) 4-Bromofluorobenzene	12.847	95	162863	50.269	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.540%

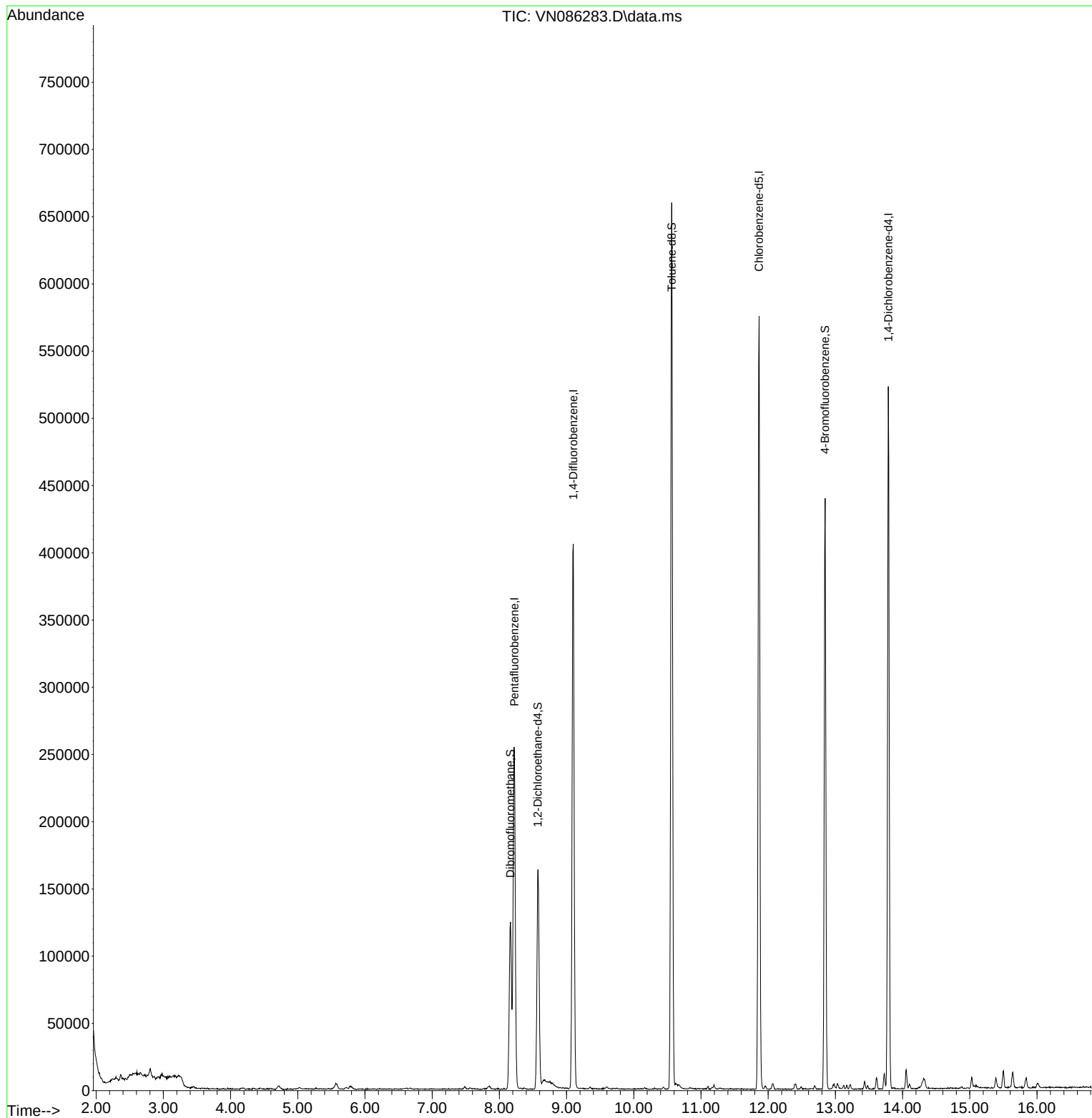
Target Compounds	Qvalue

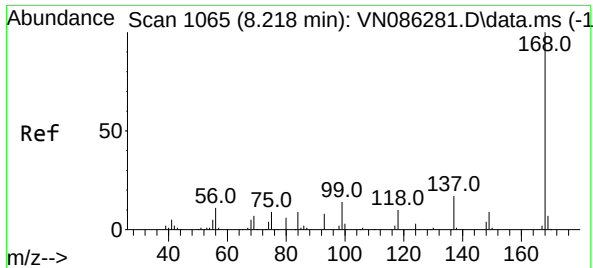
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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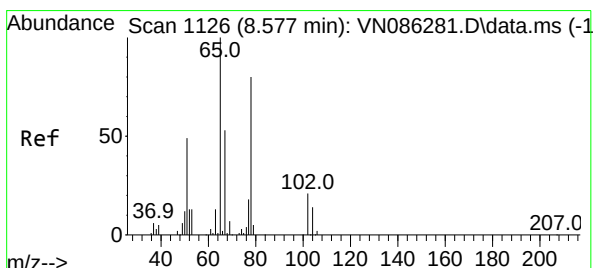
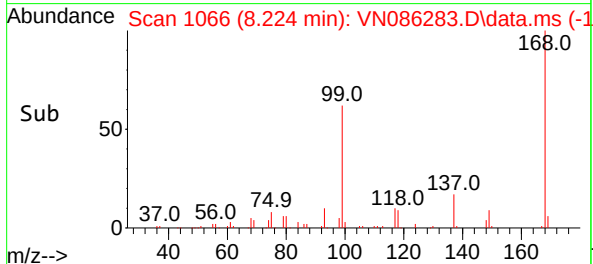
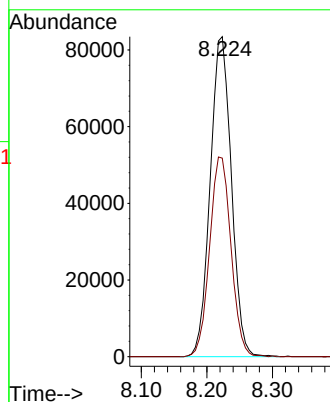
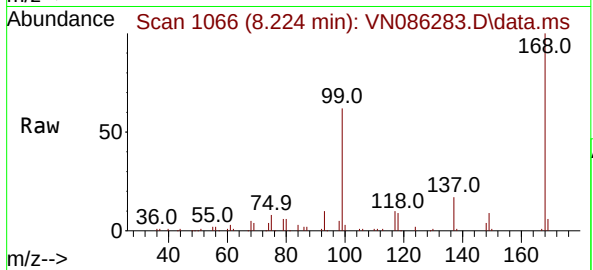




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086283.D
Acq: 15 Apr 2025 15:06

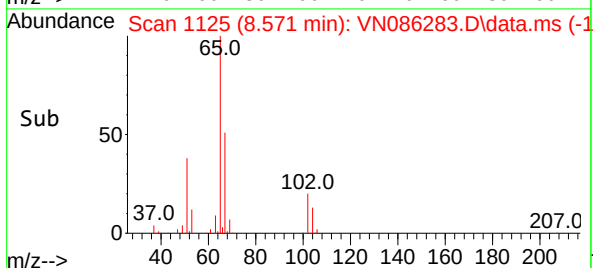
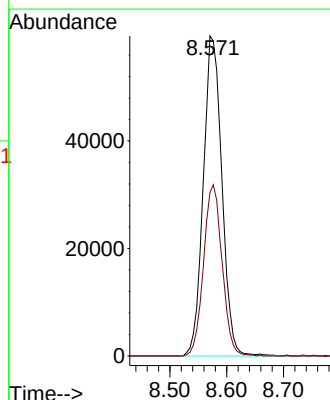
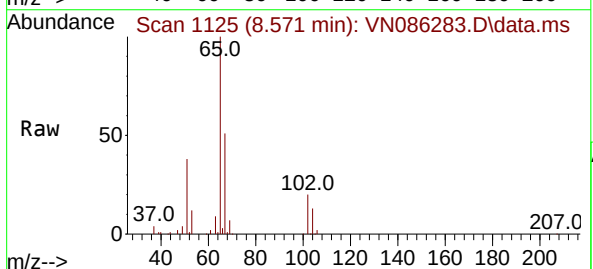
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

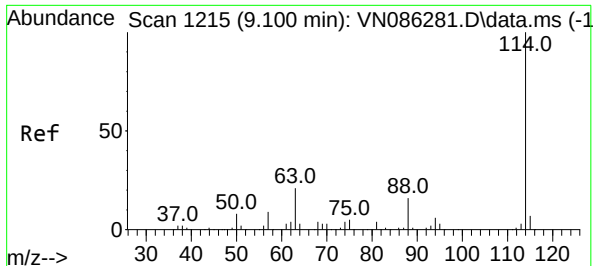
Tgt Ion:168 Resp: 187173
Ion Ratio Lower Upper
168 100
99 62.0 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 49.792 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086283.D
Acq: 15 Apr 2025 15:06

Tgt Ion: 65 Resp: 135144
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086283.D

Acq: 15 Apr 2025 15:06

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

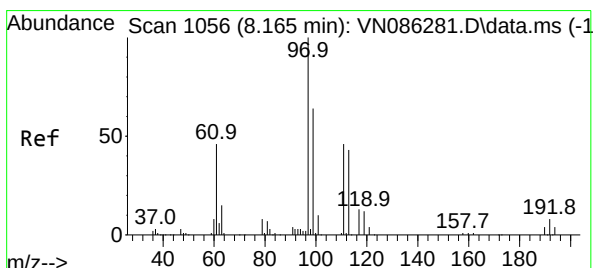
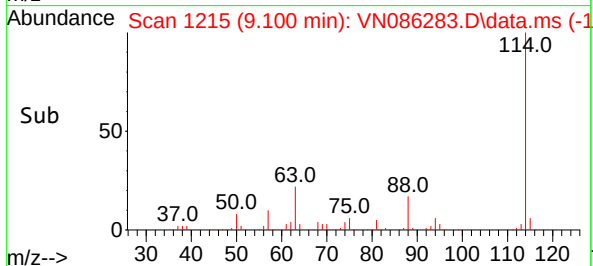
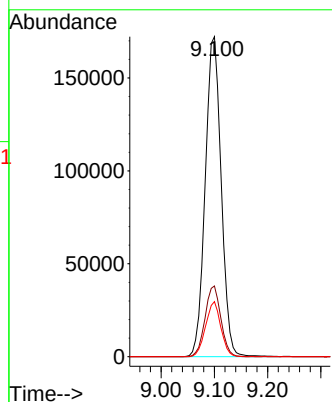
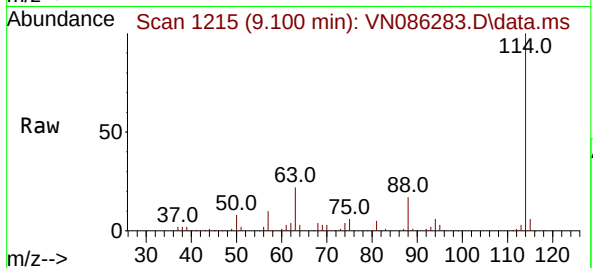
Tgt Ion:114 Resp: 358100

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.6

88 17.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.384 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086283.D

Acq: 15 Apr 2025 15:06

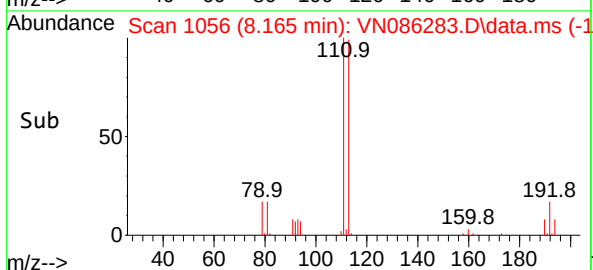
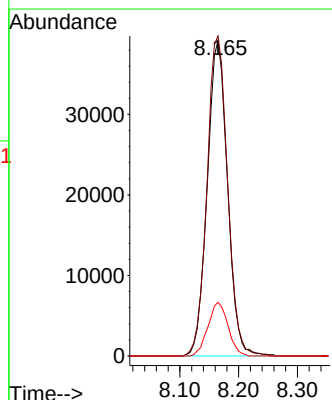
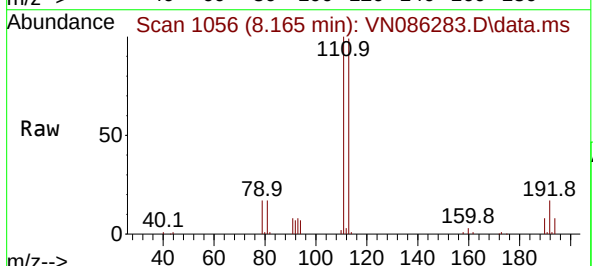
Tgt Ion:113 Resp: 93710

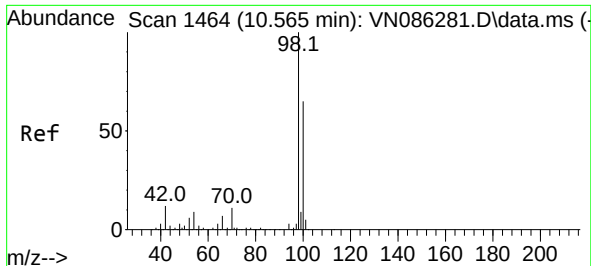
Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.0

192 16.8 13.7 20.5

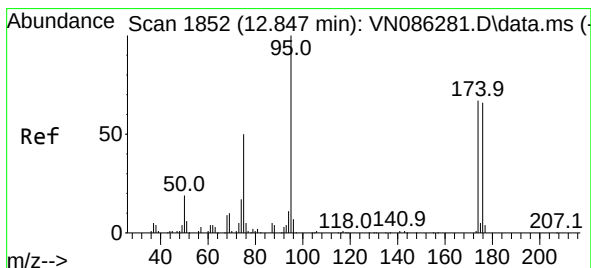
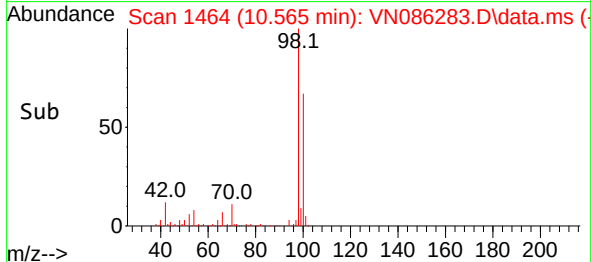
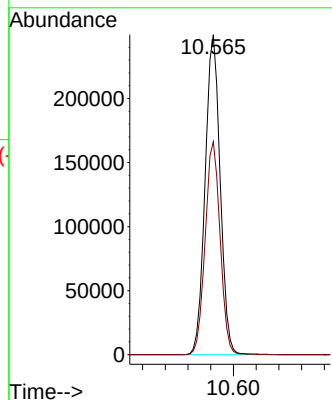
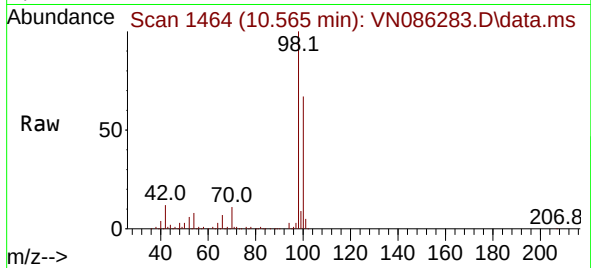




#50
Toluene-d8
Concen: 51.474 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086283.D
Acq: 15 Apr 2025 15:06

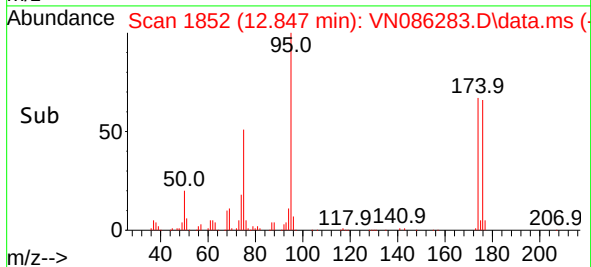
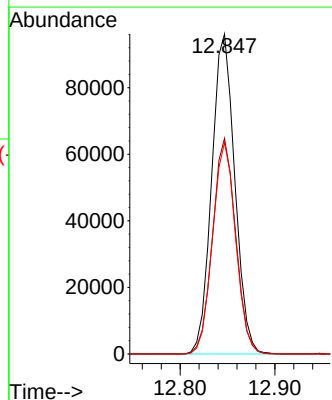
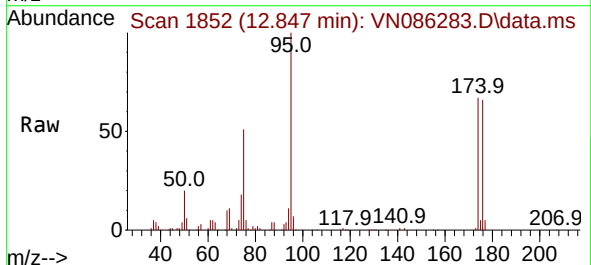
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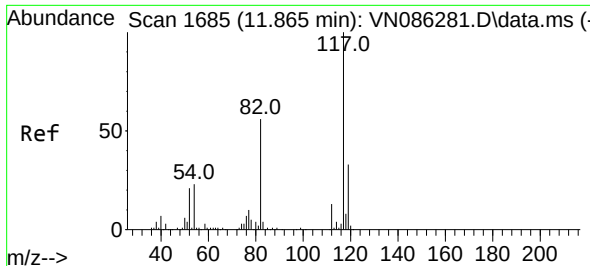
Tgt Ion: 98 Resp: 457215
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 50.269 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086283.D
Acq: 15 Apr 2025 15:06

Tgt Ion: 95 Resp: 162863
Ion Ratio Lower Upper
95 100
174 67.2 0.0 133.4
176 65.9 0.0 129.2

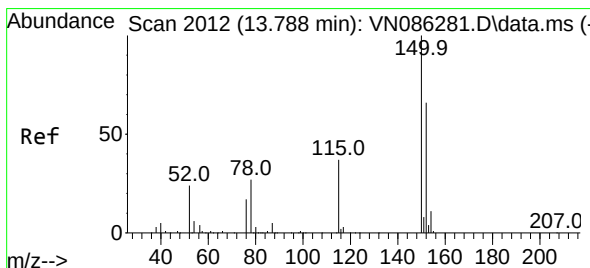
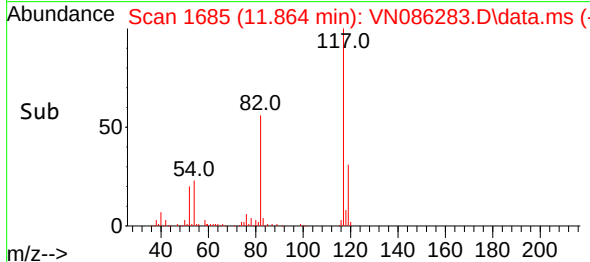
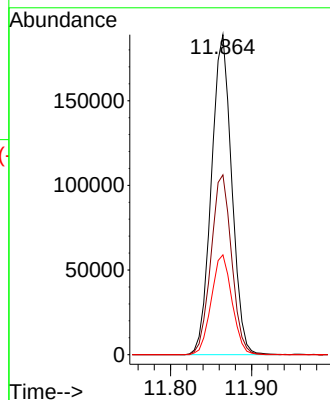
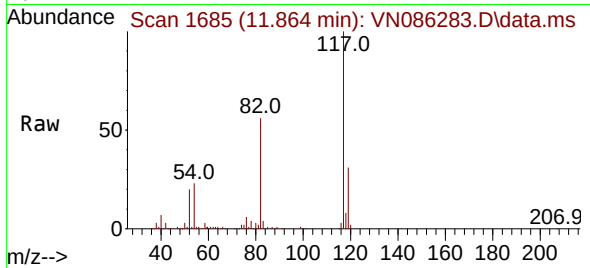




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 11865
Delta R.T. -0.000 min
Lab File: VN086283.D
Acq: 15 Apr 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 328290
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 31.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086283.D
Acq: 15 Apr 2025 15:06

Tgt Ion:152 Resp: 135621
Ion Ratio Lower Upper
152 100
115 63.0 31.9 95.9
150 159.4 0.0 352.0

