

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086564.D
 Acq On : 09 May 2025 16:08
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 09 23:30:12 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	221112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	407801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	394695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173381	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146326	45.637	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.280%
35) Dibromofluoromethane	8.159	113	119857	63.327	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	126.660%#
50) Toluene-d8	10.565	98	515849	50.997	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.000%
62) 4-Bromofluorobenzene	12.847	95	190257	51.568	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.140%

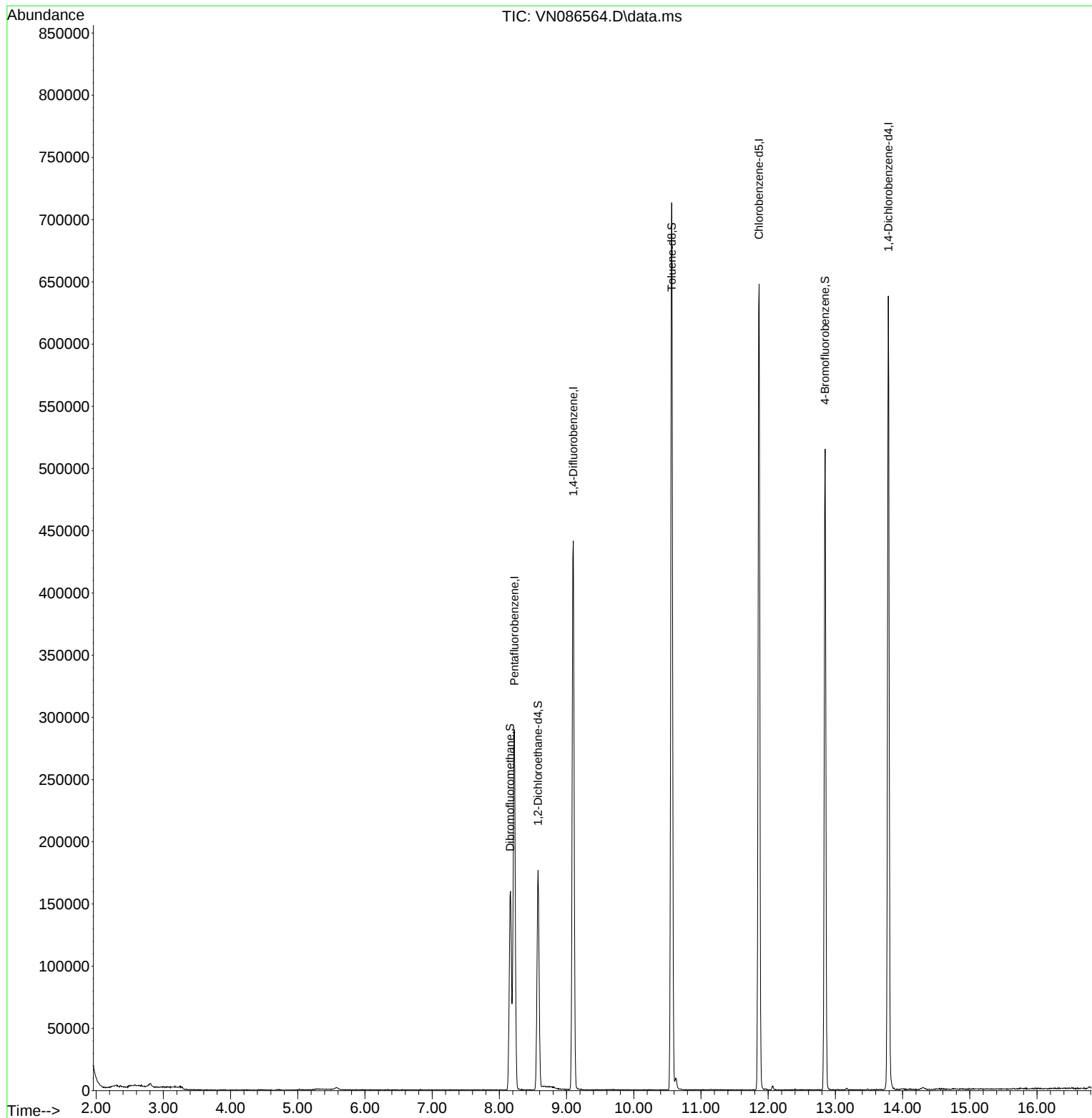
Target Compounds	Qvalue

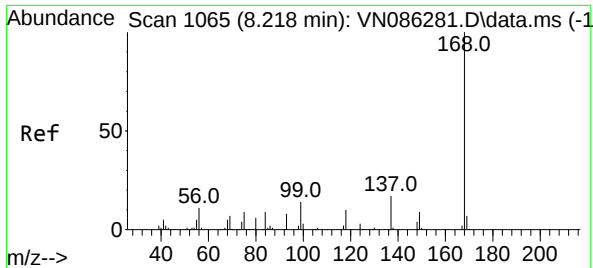
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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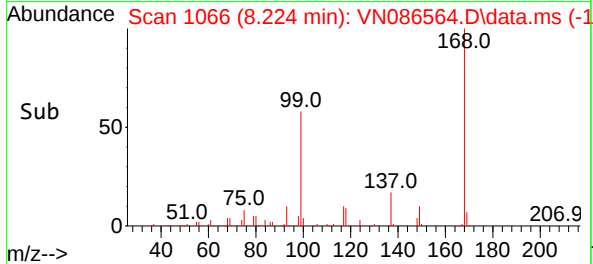
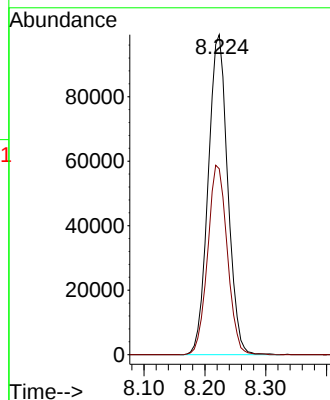
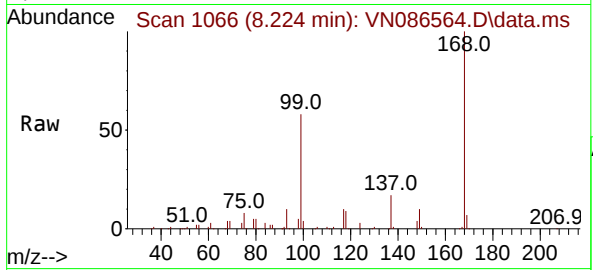




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

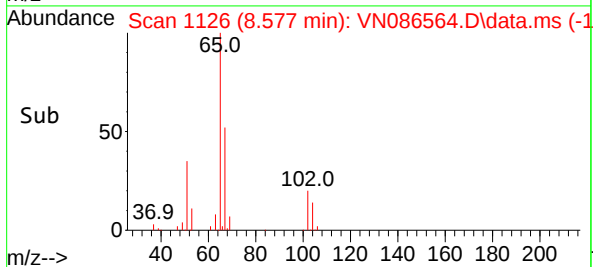
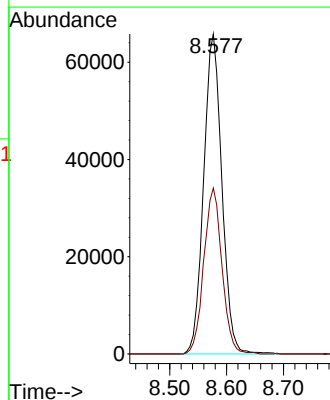
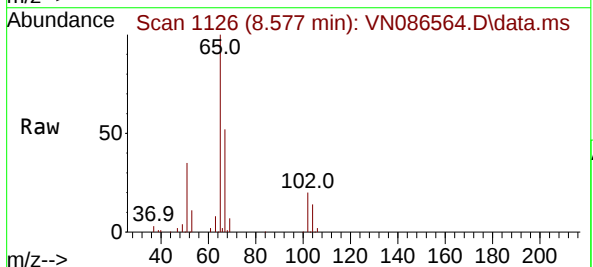
Instrument :
MSVOA_N
ClientSampleId :
IBLK

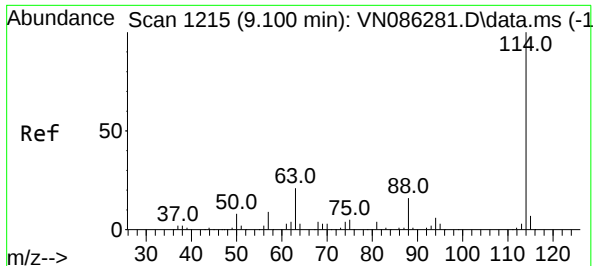
Tgt Ion:168 Resp: 221112
Ion Ratio Lower Upper
168 100
99 58.1 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 45.637 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

Tgt Ion: 65 Resp: 146326
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086564.D

Acq: 09 May 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

IBLK

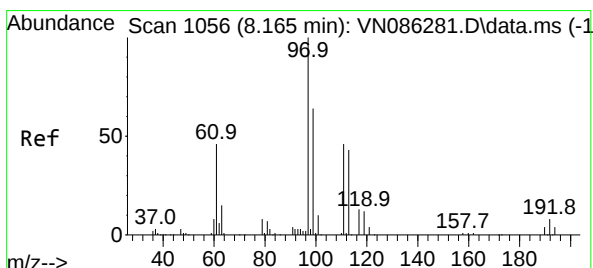
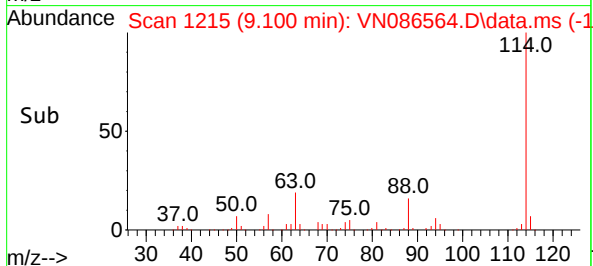
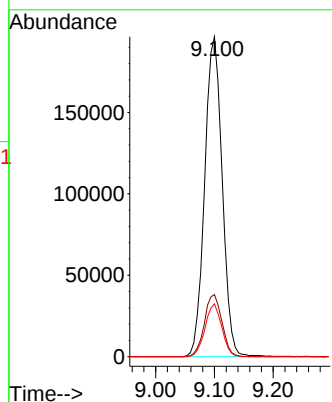
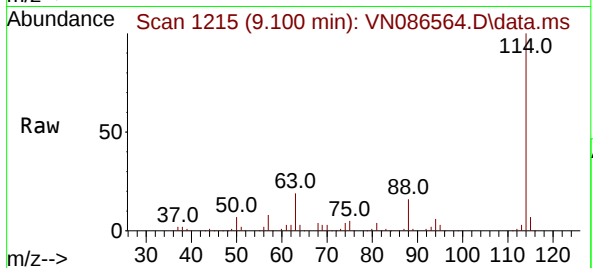
Tgt Ion:114 Resp: 407801

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 16.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.327 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086564.D

Acq: 09 May 2025 16:08

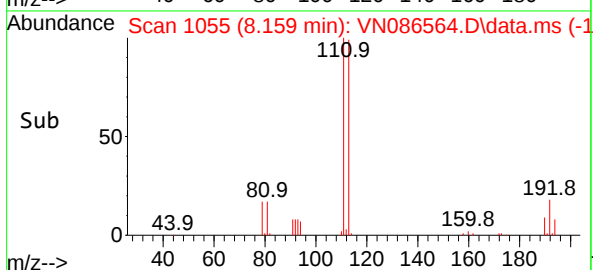
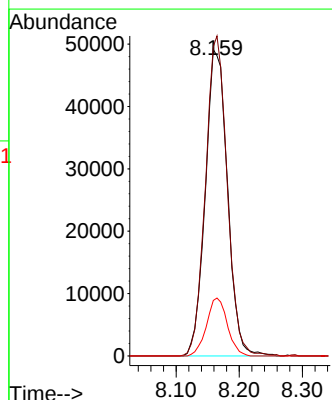
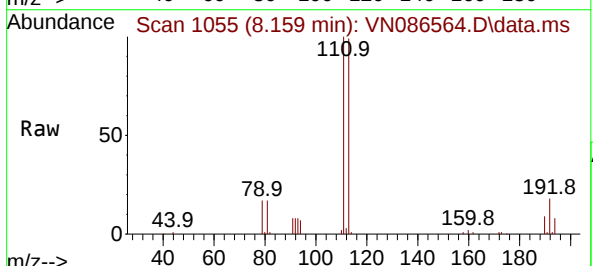
Tgt Ion:113 Resp: 119857

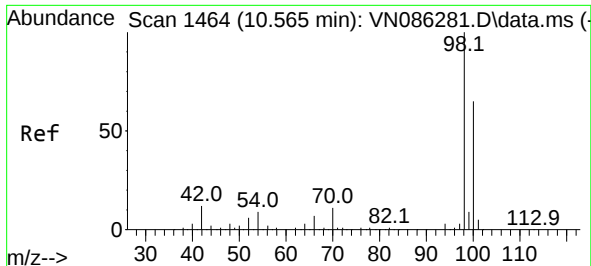
Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

192 17.8 13.7 20.5

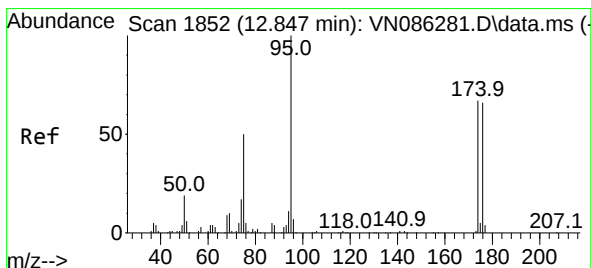
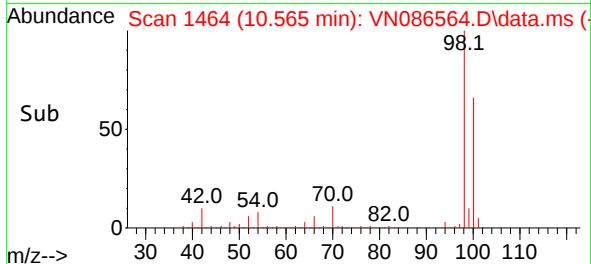
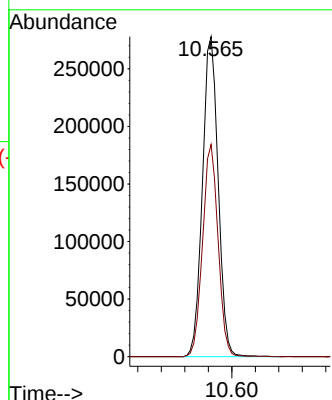
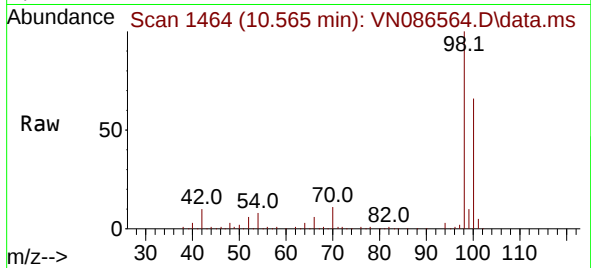




#50
Toluene-d8
Concen: 50.997 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

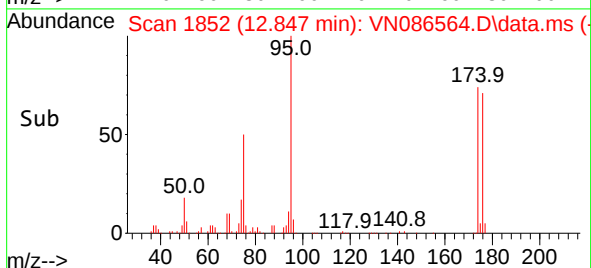
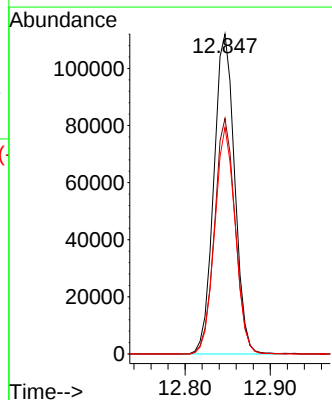
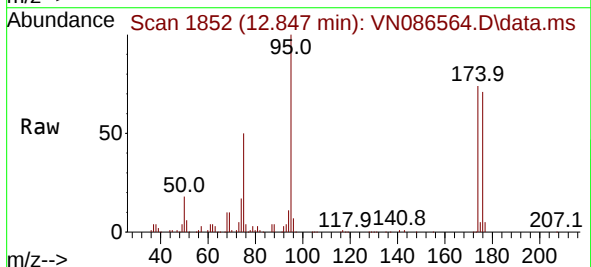
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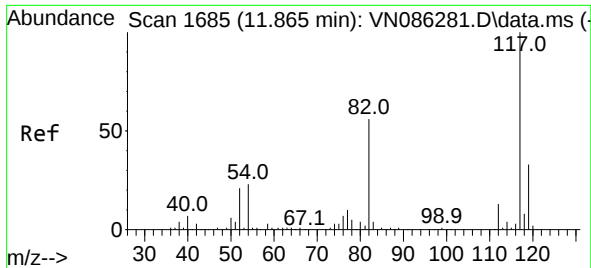
Tgt Ion: 98 Resp: 515849
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 51.568 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

Tgt Ion: 95 Resp: 190257
Ion Ratio Lower Upper
95 100
174 73.2 0.0 133.4
176 70.0 0.0 129.2

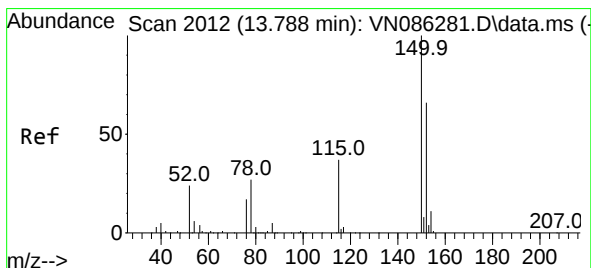
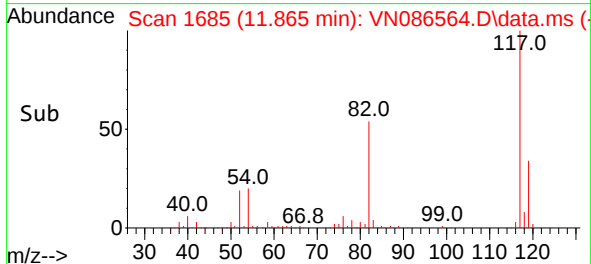
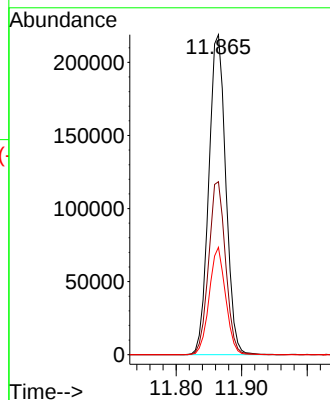
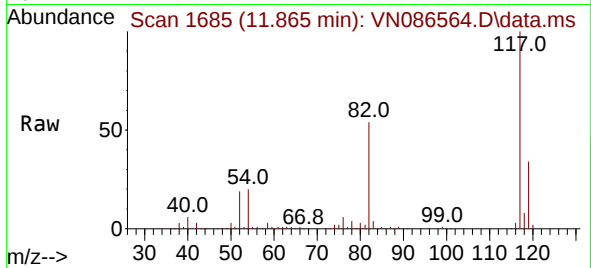




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 394695
Ion Ratio Lower Upper
117 100
82 54.1 44.7 67.1
119 33.6 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: VN086564.D
Acq: 09 May 2025 16:08

Tgt Ion:152 Resp: 173381
Ion Ratio Lower Upper
152 100
115 61.2 31.9 95.9
150 156.5 0.0 352.0

