

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051425\
 Data File : VN086629.D
 Acq On : 14 May 2025 16:09
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 15 03:05:25 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	8.218	168	199899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	383298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	366514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	165907	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138233	47.688	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.380%
35) Dibromofluoromethane	8.159	113	112153	63.045	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	126.080%#
50) Toluene-d8	10.565	98	488472	51.378	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.760%
62) 4-Bromofluorobenzene	12.847	95	182811	52.717	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.440%

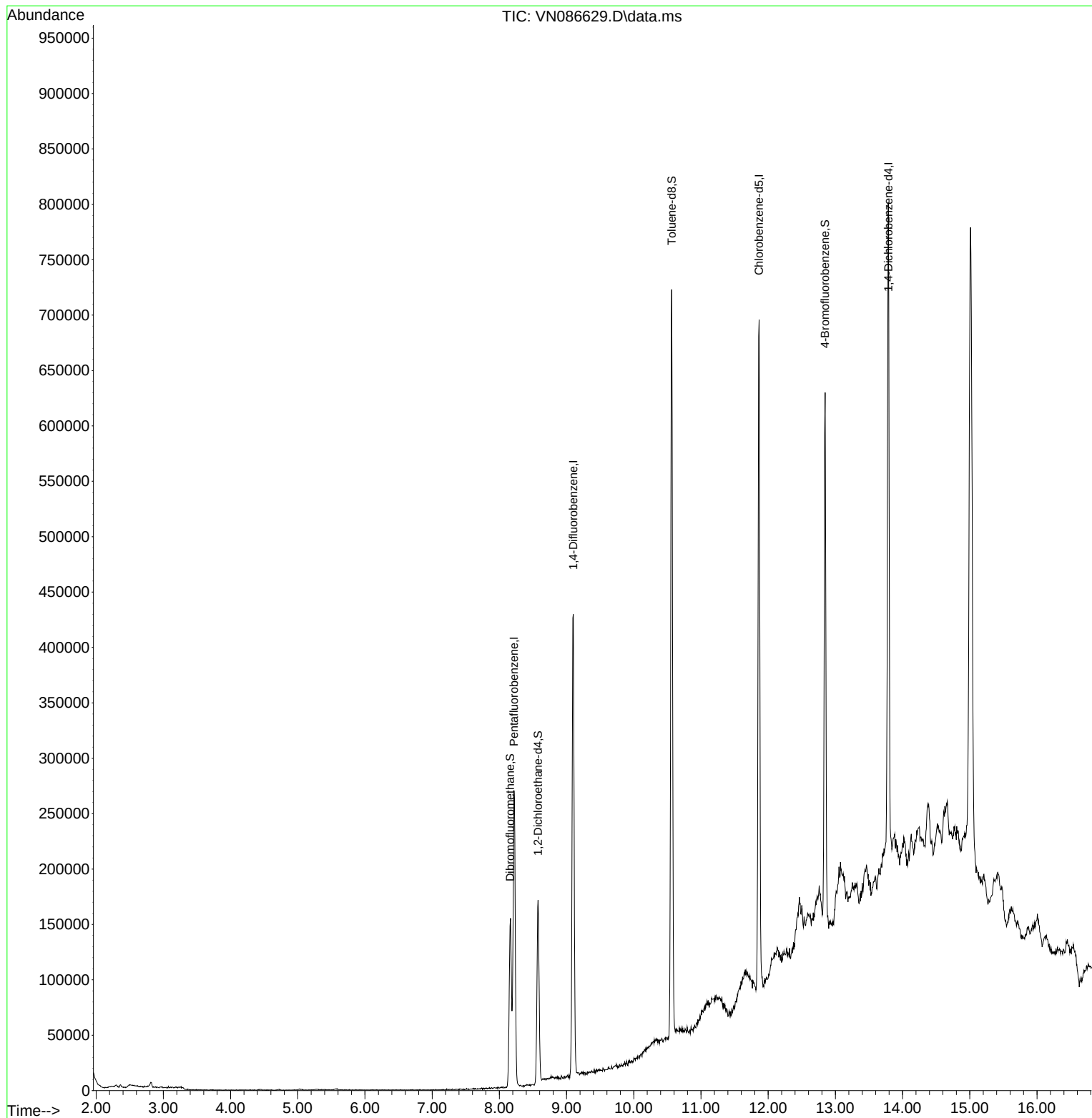
Target Compounds	Qvalue

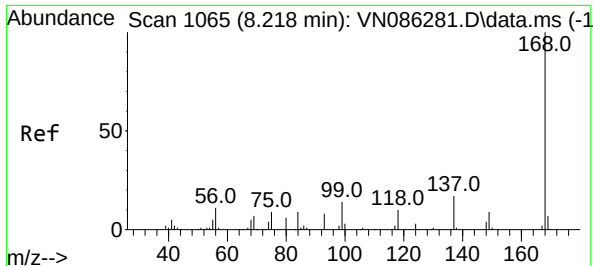
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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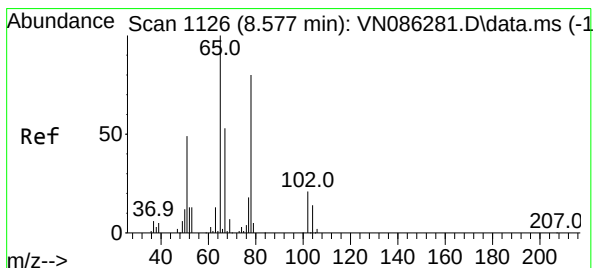
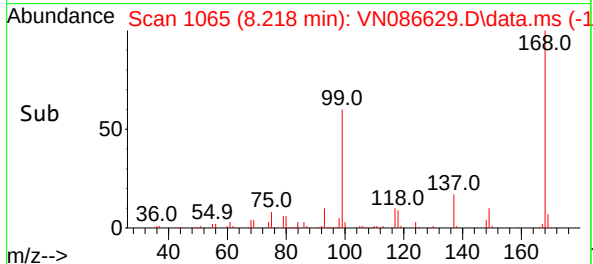
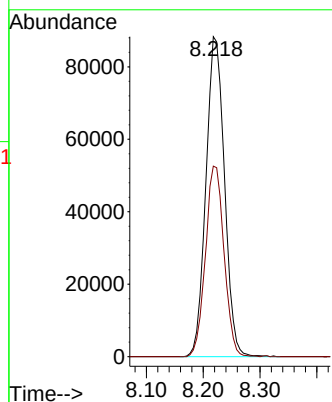
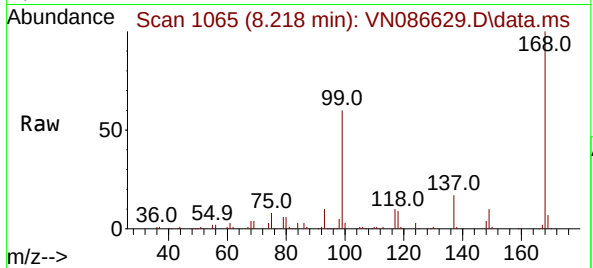




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

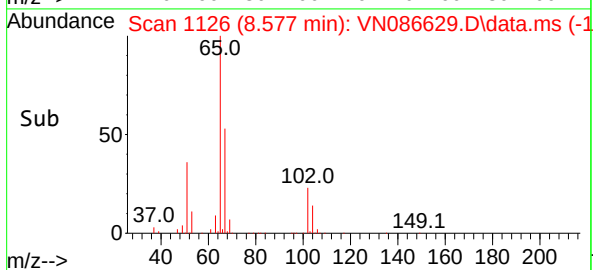
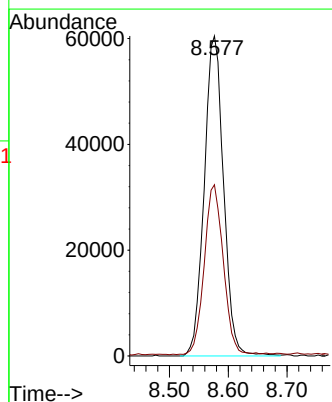
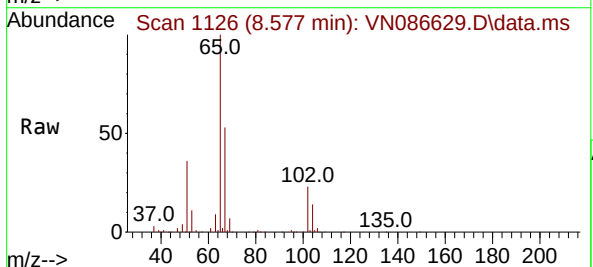
Instrument :
MSVOA_N
ClientSampleId :
IBLK

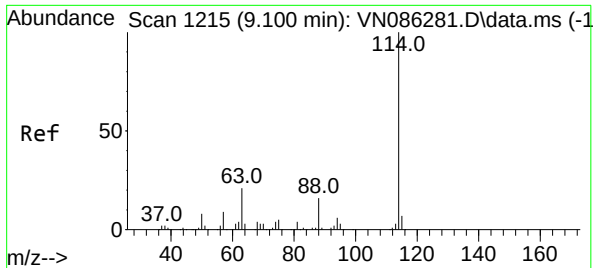
Tgt Ion:168 Resp: 199899
Ion Ratio Lower Upper
168 100
99 59.6 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 47.688 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

Tgt Ion: 65 Resp: 138233
Ion Ratio Lower Upper
65 100
67 52.4 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: VN086629.D

Acq: 14 May 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

IBLK

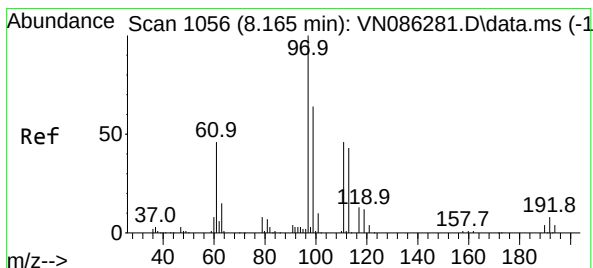
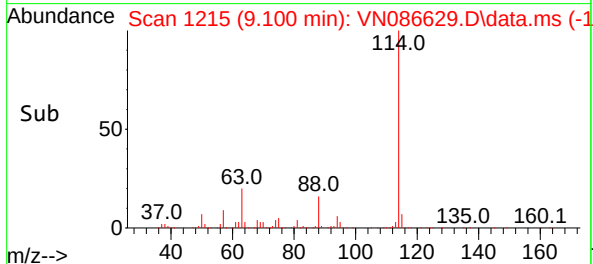
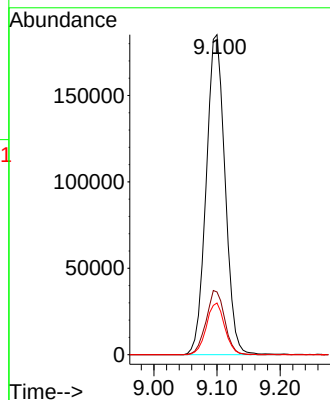
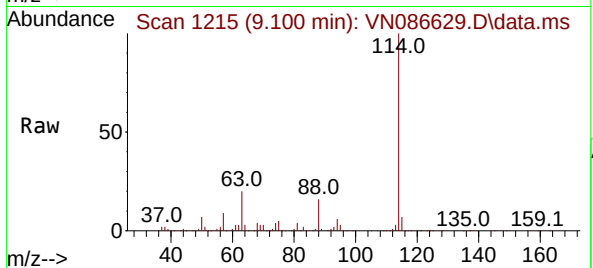
Tgt Ion:114 Resp: 383298

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

88 16.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.045 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086629.D

Acq: 14 May 2025 16:09

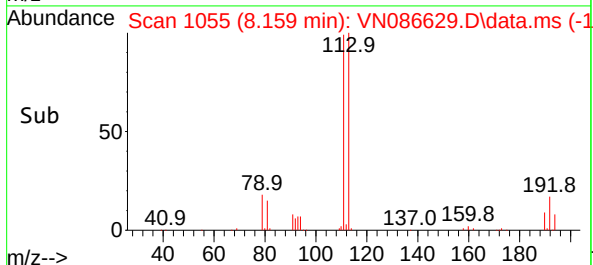
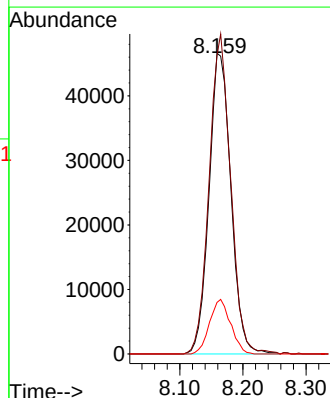
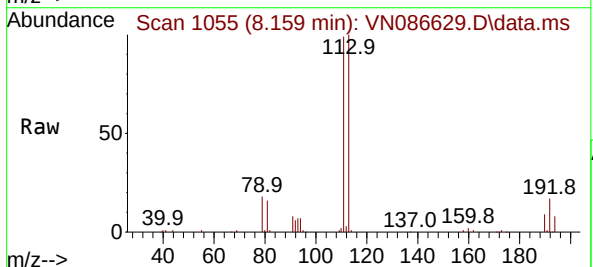
Tgt Ion:113 Resp: 112153

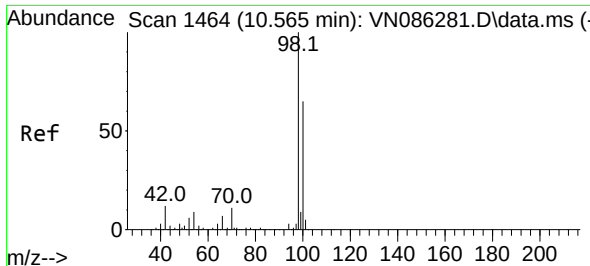
Ion Ratio Lower Upper

113 100

111 104.4 83.4 125.0

192 17.4 13.7 20.5

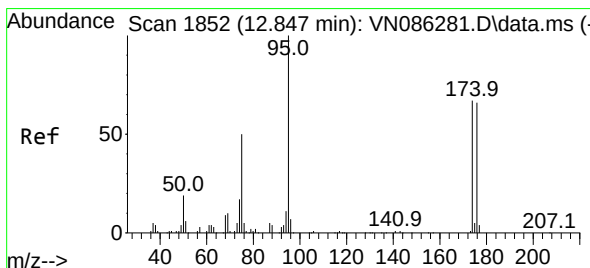
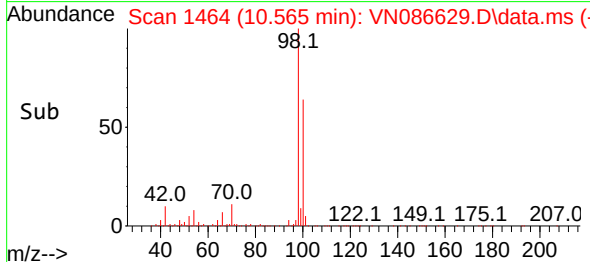
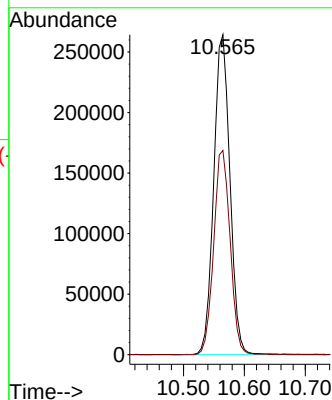
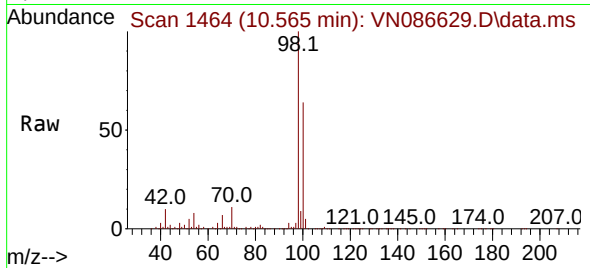




#50
Toluene-d8
Concen: 51.378 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

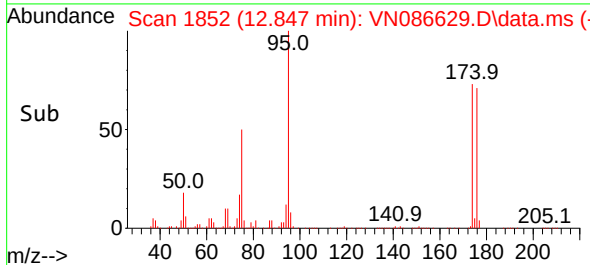
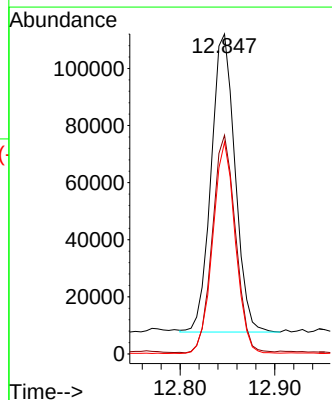
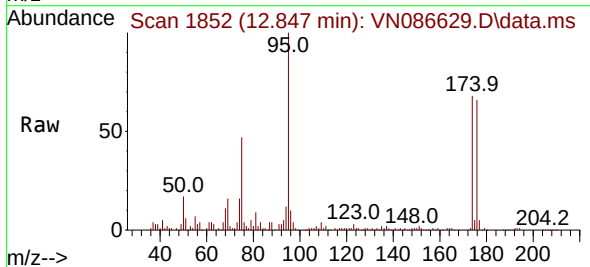
Instrument :
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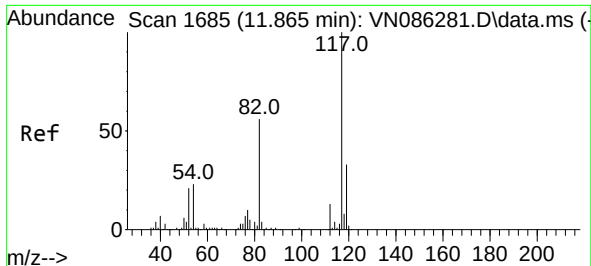
Tgt Ion: 98 Resp: 488472
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 52.717 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

Tgt Ion: 95 Resp: 182811
Ion Ratio Lower Upper
95 100
174 70.8 0.0 133.4
176 67.0 0.0 129.2

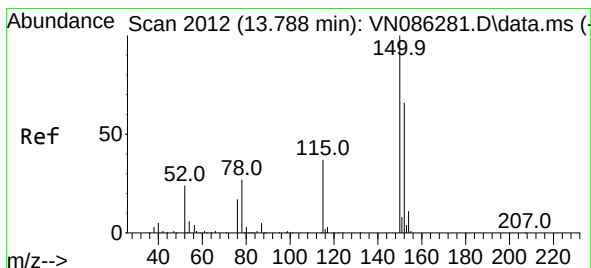
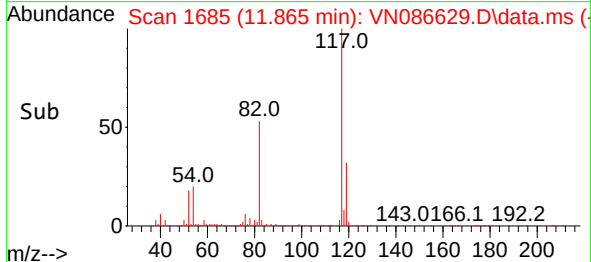
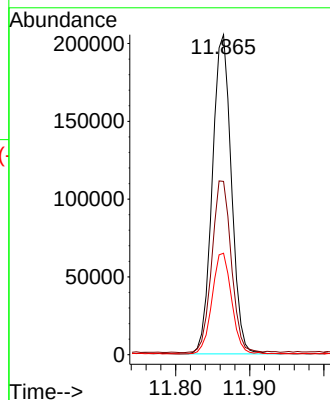
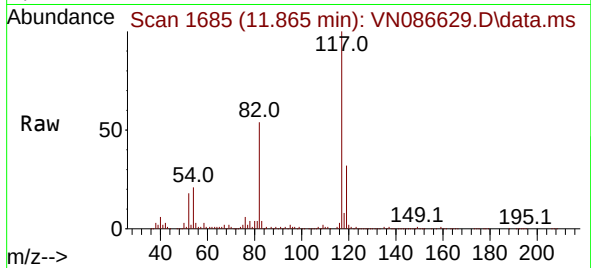




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086629.D
Acq: 14 May 2025 16:09

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 366514
Ion Ratio Lower Upper
117 100
82 53.6 44.7 67.1
119 31.5 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: VN086629.D
Acq: 14 May 2025 16:09

Tgt Ion:152 Resp: 165907
Ion Ratio Lower Upper
152 100
115 63.0 31.9 95.9
150 159.5 0.0 352.0

