

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092925\
 Data File : VN087985.D
 Acq On : 29 Sep 2025 16:11
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 30 03:57:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	275641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	579420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	595422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	305619	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	242704	52.320	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.640%
35) Dibromofluoromethane	8.153	113	204893	48.704	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.400%
50) Toluene-d8	10.547	98	751891	50.824	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.640%
62) 4-Bromofluorobenzene	12.829	95	289006	54.652	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.300%

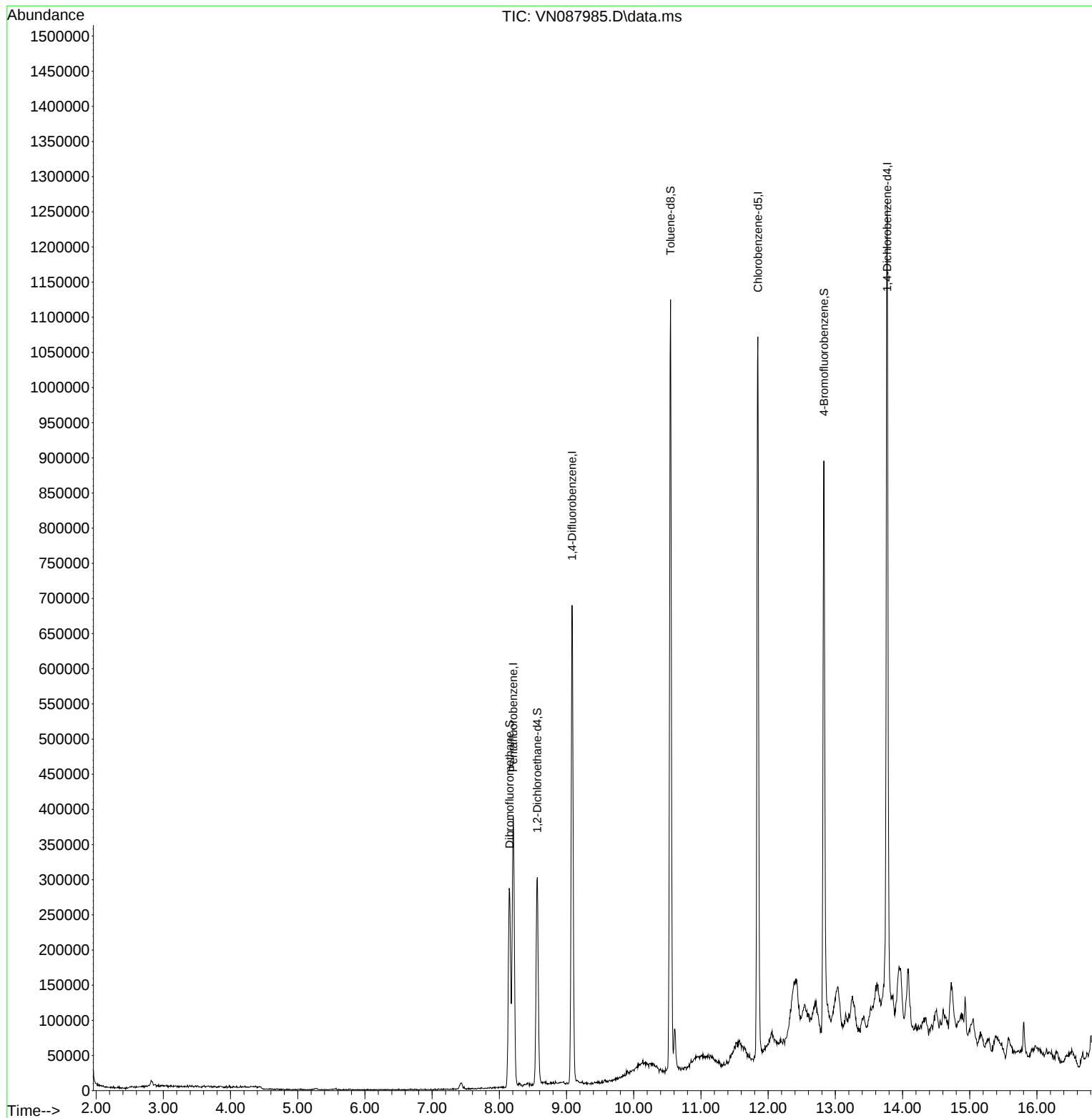
Target Compounds	Qvalue

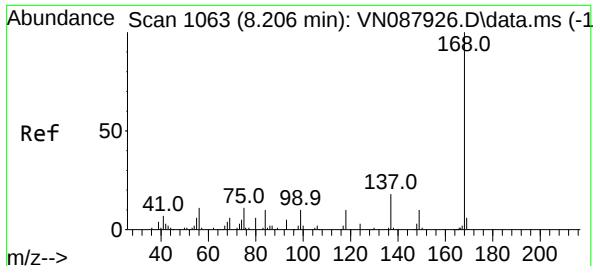
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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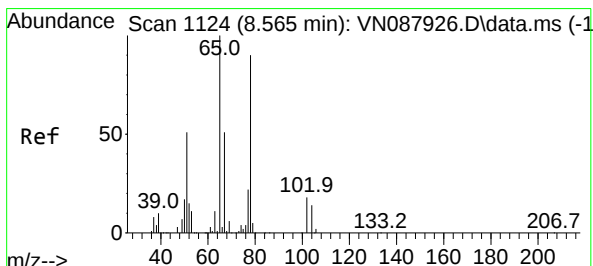
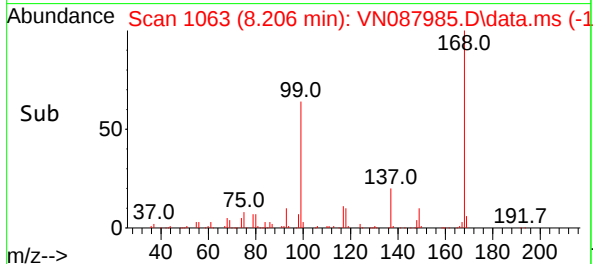
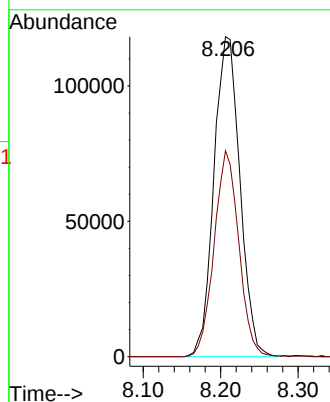
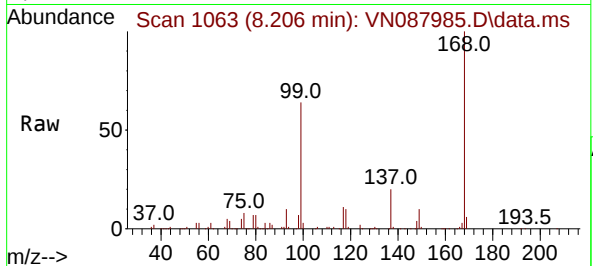




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

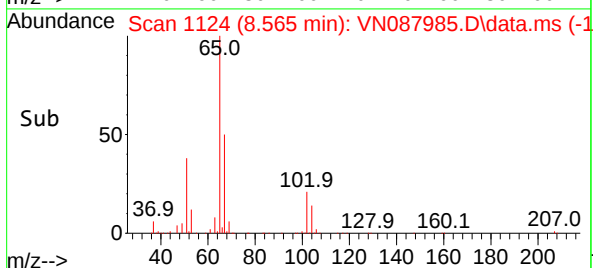
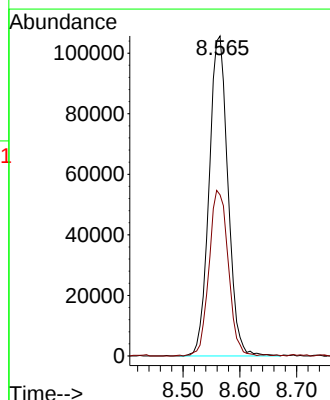
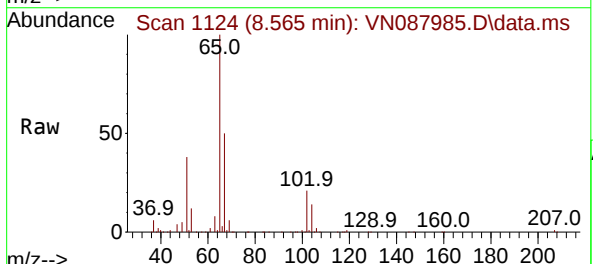
Instrument :
MSVOA_N
ClientSampleId :
IBLK

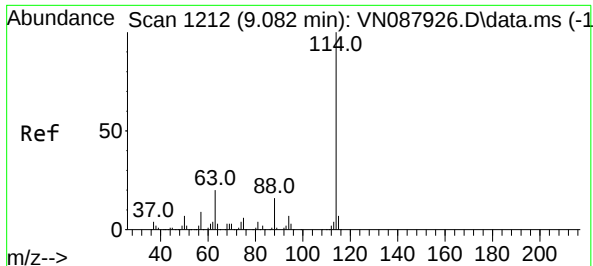
Tgt Ion:168 Resp: 275641
Ion Ratio Lower Upper
168 100
99 64.4 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 52.320 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

Tgt Ion: 65 Resp: 242704
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

IBLK

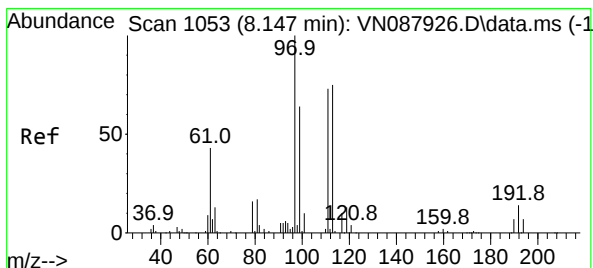
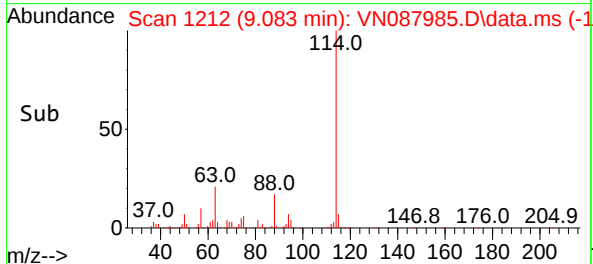
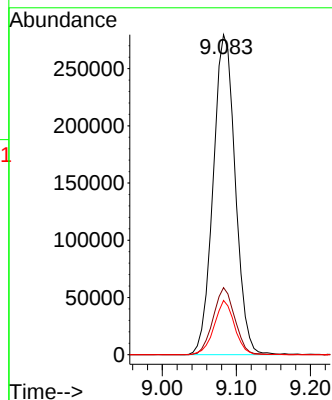
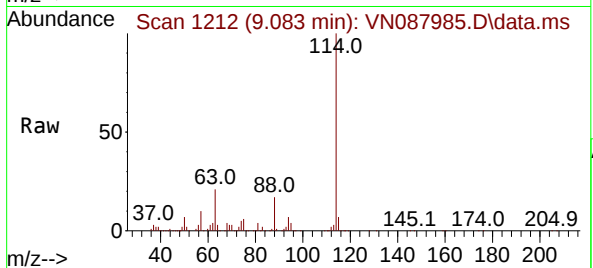
Tgt Ion:114 Resp: 579420

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

88 16.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.704 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

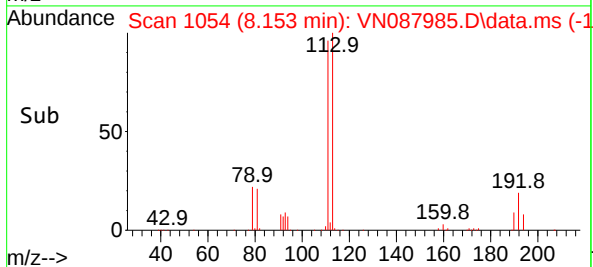
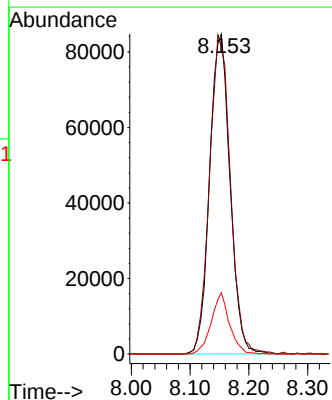
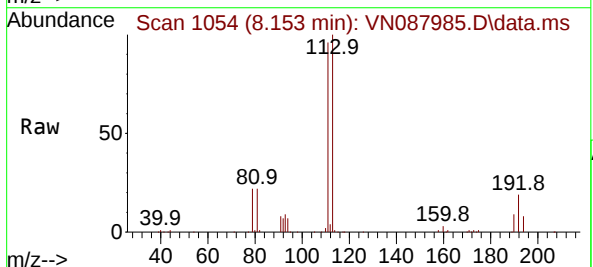
Tgt Ion:113 Resp: 204893

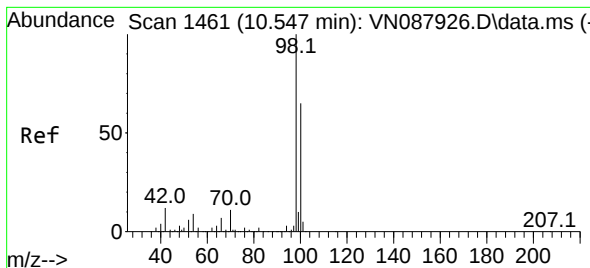
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

192 17.0 14.2 21.2





#50

Toluene-d8

Concen: 50.824 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

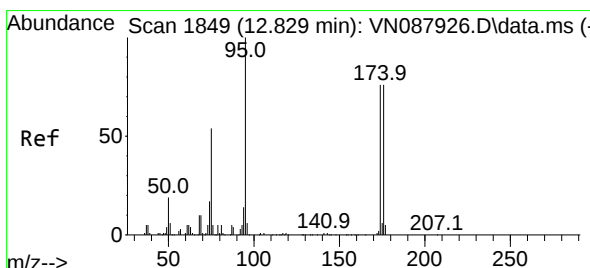
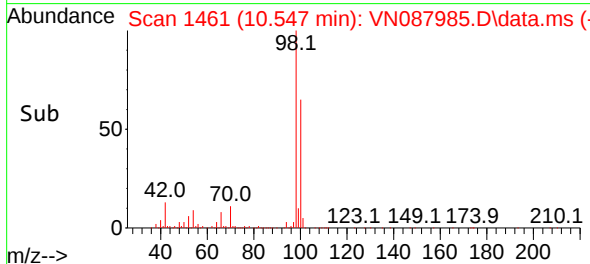
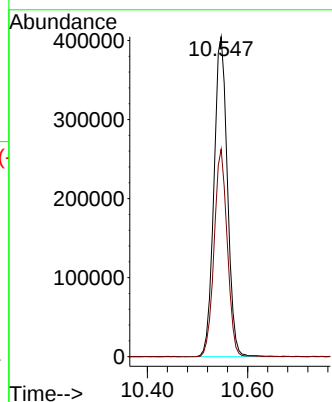
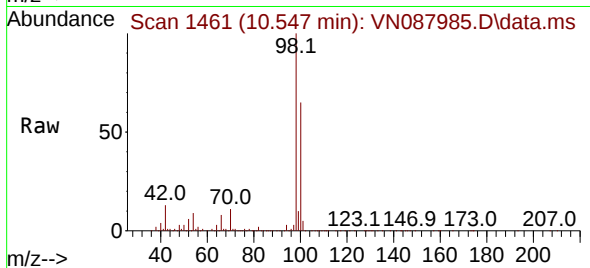
IBLK

Tgt Ion: 98 Resp: 751891

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 54.652 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

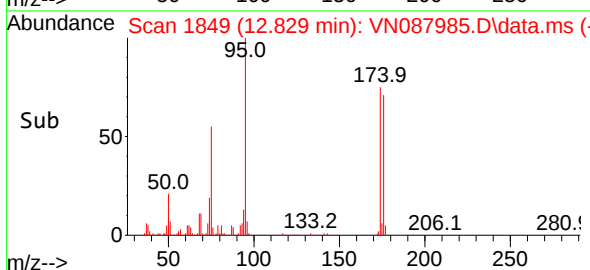
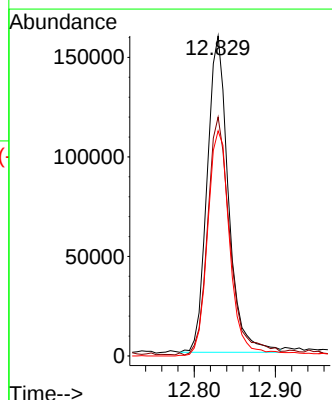
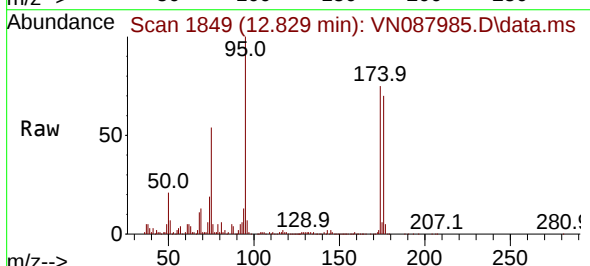
Tgt Ion: 95 Resp: 289006

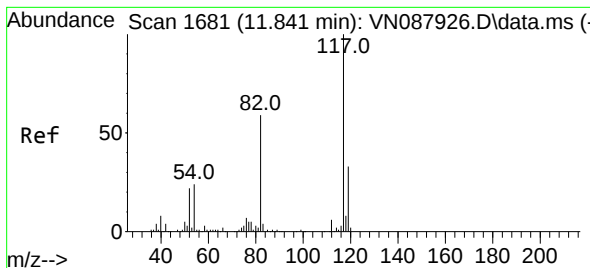
Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.2

176 76.5 0.0 152.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

IBLK

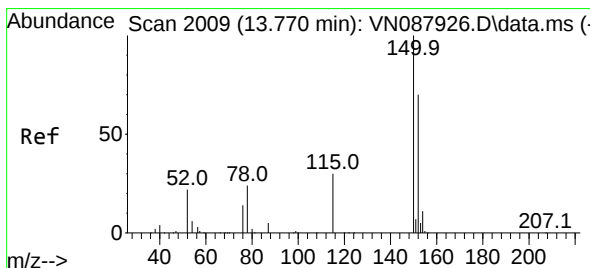
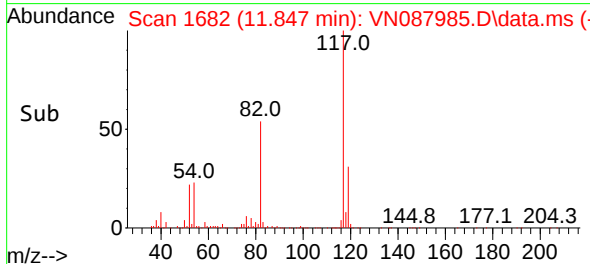
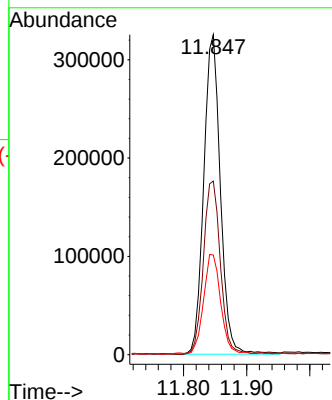
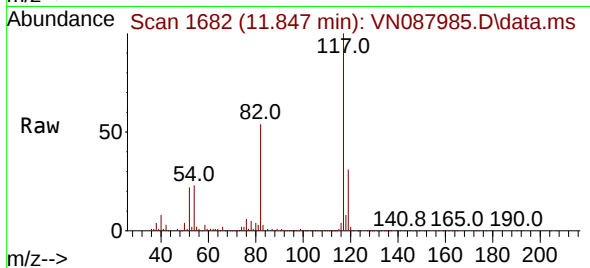
Tgt Ion:117 Resp: 595422

Ion Ratio Lower Upper

117 100

82 54.2 47.0 70.4

119 30.8 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

Tgt Ion:152 Resp: 305619

Ion Ratio Lower Upper

152 100

115 62.5 29.9 89.7

150 158.3 0.0 335.0

