

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087009.D
 Acq On : 13 Jun 2025 18:02
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 14 00:32:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	260077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	505369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	449258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	215822	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	177632	51.012	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.020%
35) Dibromofluoromethane	8.177	113	150960	50.405	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.820%
50) Toluene-d8	10.571	98	617669	52.097	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.200%
62) 4-Bromofluorobenzene	12.847	95	219806	49.900	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.800%

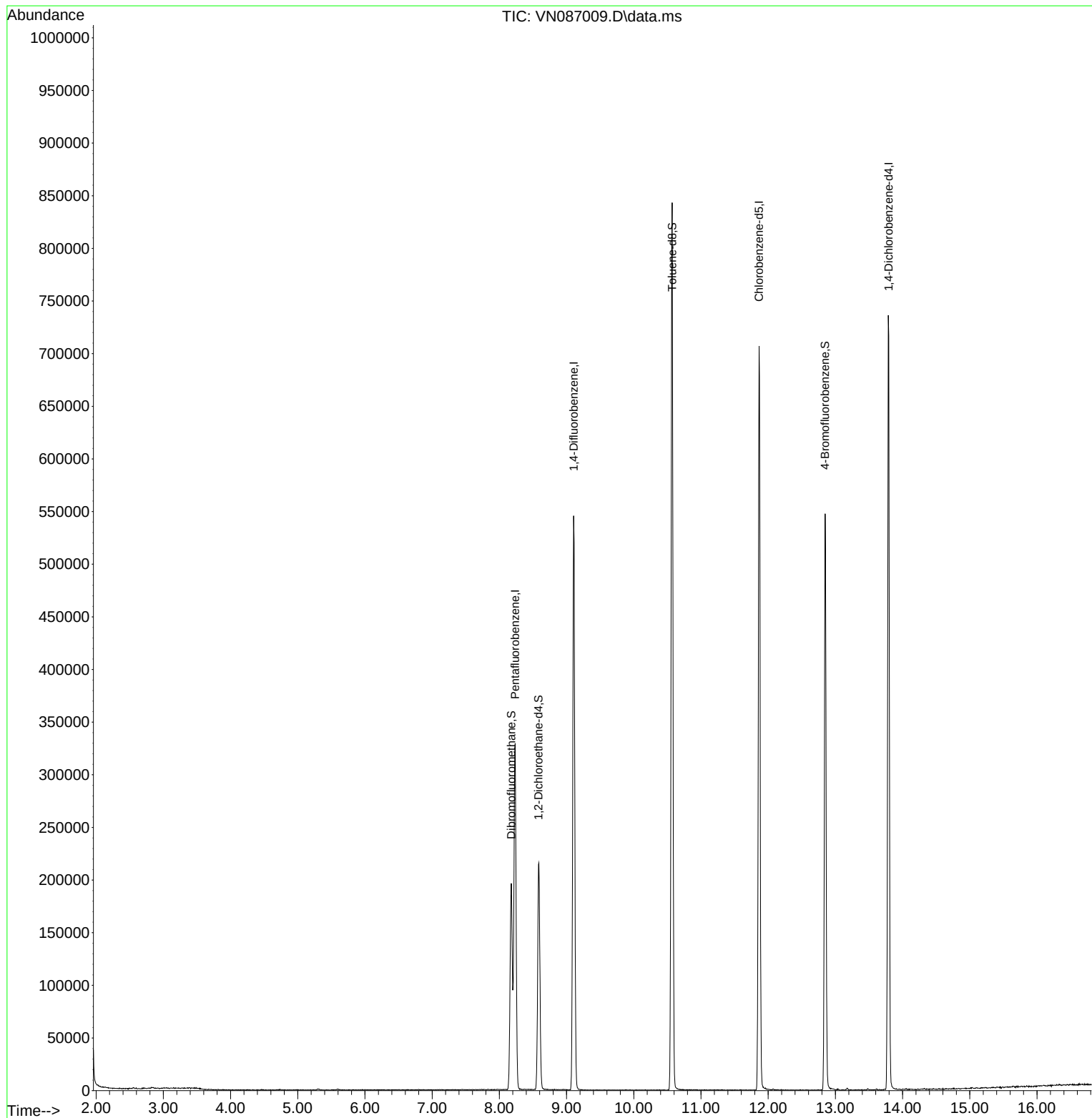
Target Compounds	Qvalue

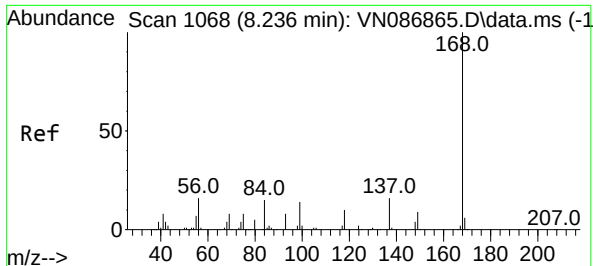
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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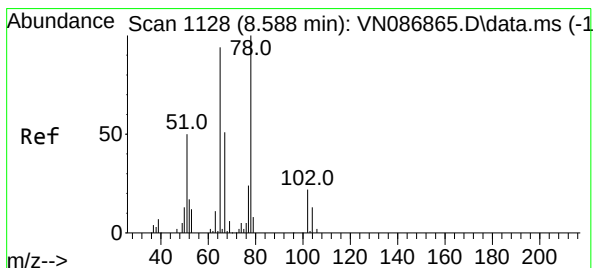
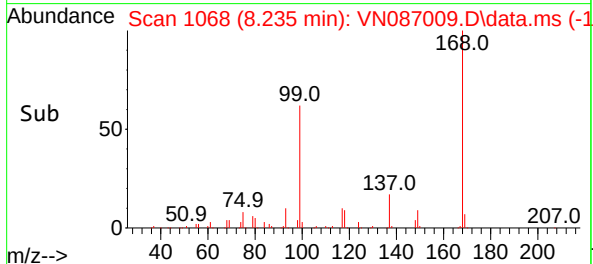
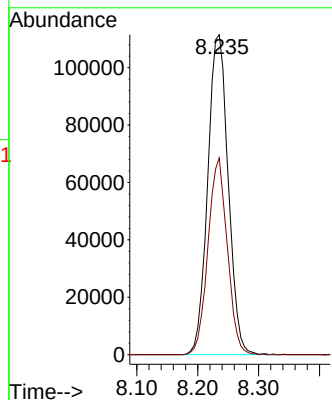
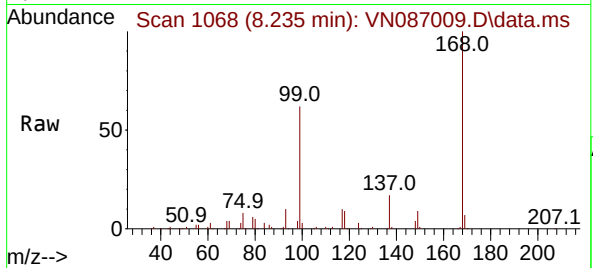




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087009.D
Acq: 13 Jun 2025 18:02

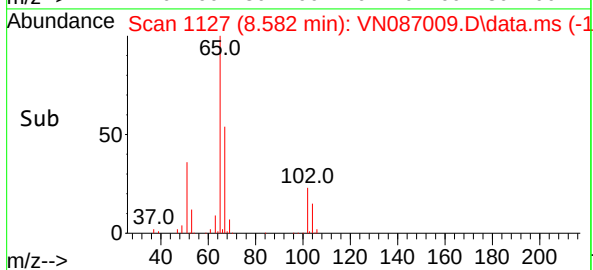
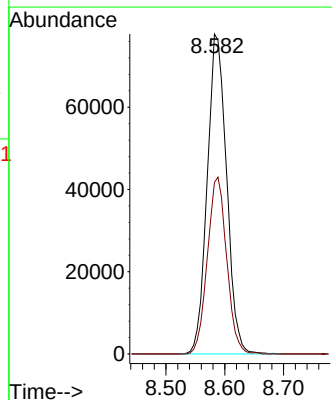
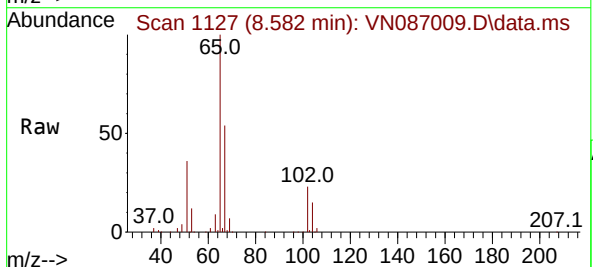
Instrument :
MSVOA_N
ClientSampleId :
IBLK

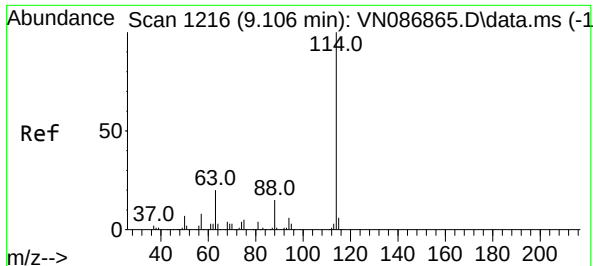
Tgt Ion:168 Resp: 260077
Ion Ratio Lower Upper
168 100
99 61.5 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 51.012 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087009.D
Acq: 13 Jun 2025 18:02

Tgt Ion: 65 Resp: 177632
Ion Ratio Lower Upper
65 100
67 55.1 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087009.D

Acq: 13 Jun 2025 18:02

Instrument :

MSVOA_N

ClientSampleId :

IBLK

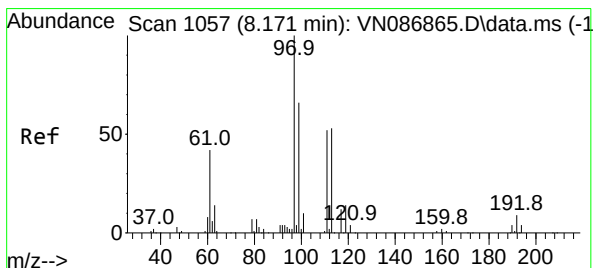
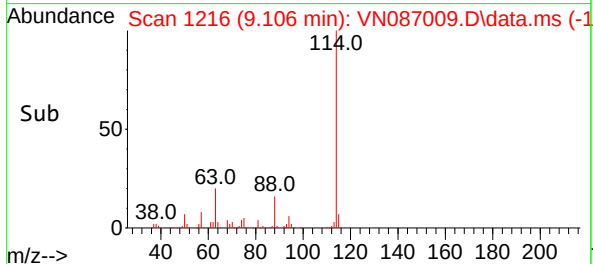
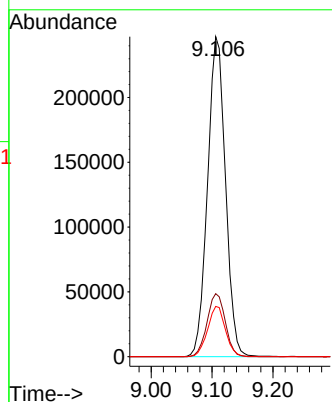
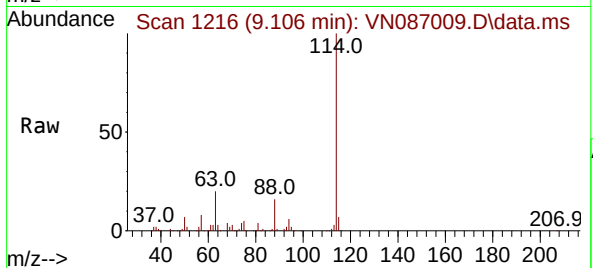
Tgt Ion:114 Resp: 505369

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.7 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.405 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087009.D

Acq: 13 Jun 2025 18:02

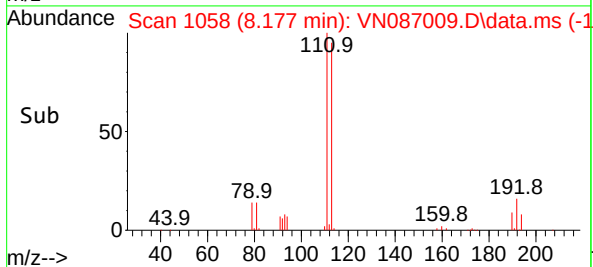
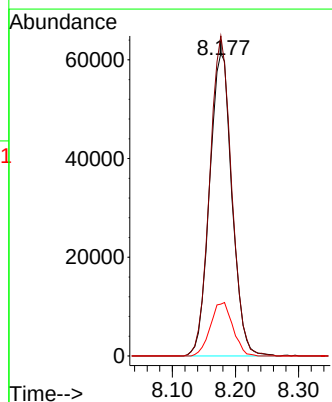
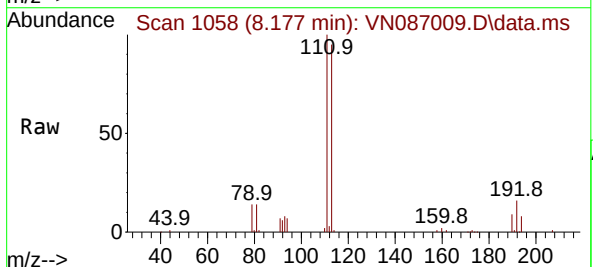
Tgt Ion:113 Resp: 150960

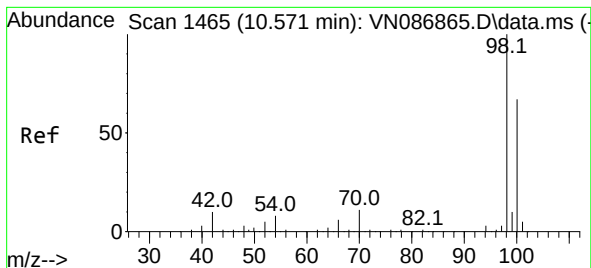
Ion Ratio Lower Upper

113 100

111 103.1 84.2 126.2

192 17.7 14.2 21.4

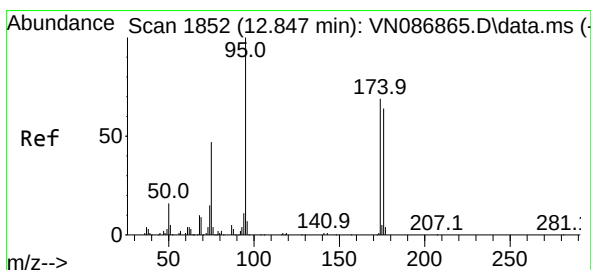
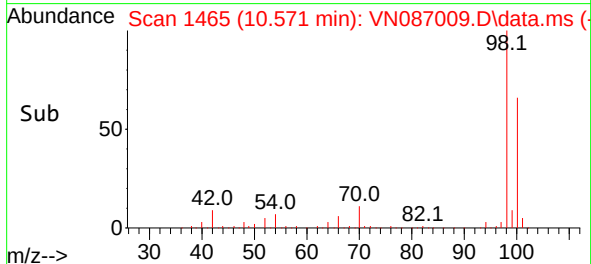
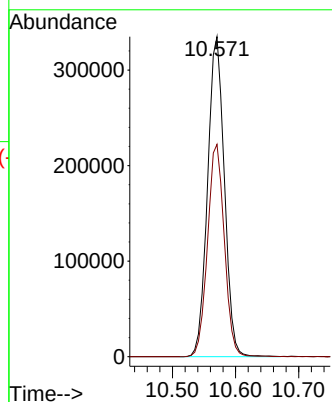
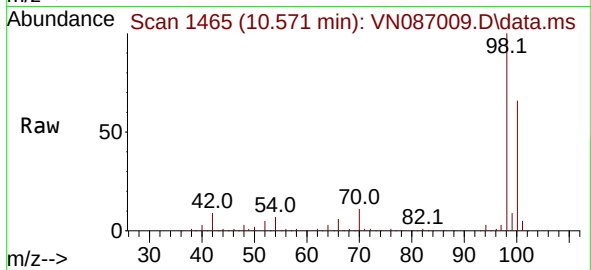




#50
Toluene-d8
Concen: 52.097 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087009.D
Acq: 13 Jun 2025 18:02

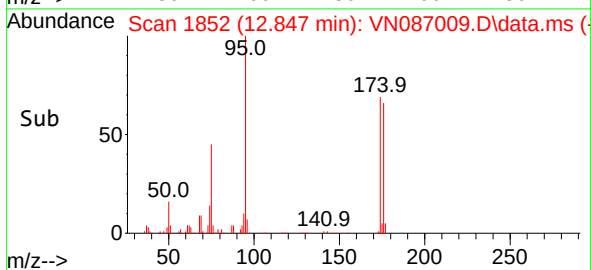
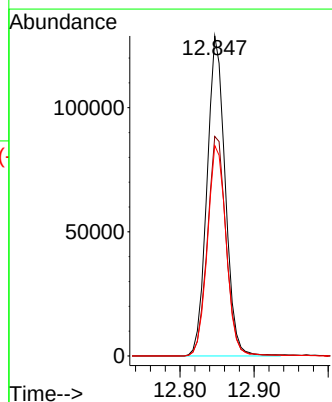
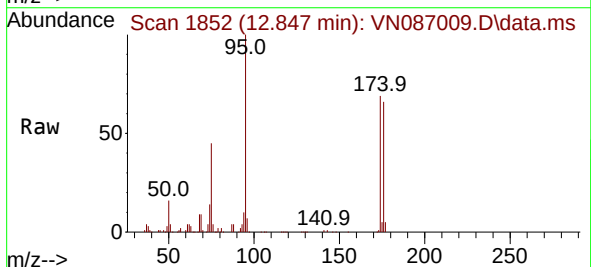
Instrument :
MSVOA_N
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IBLK

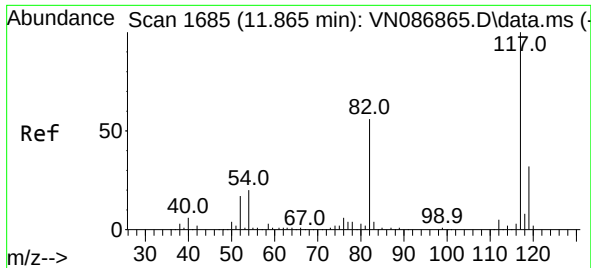
Tgt Ion: 98 Resp: 617669
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.900 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087009.D
Acq: 13 Jun 2025 18:02

Tgt Ion: 95 Resp: 219806
Ion Ratio Lower Upper
95 100
174 70.4 0.0 141.8
176 67.8 0.0 132.6

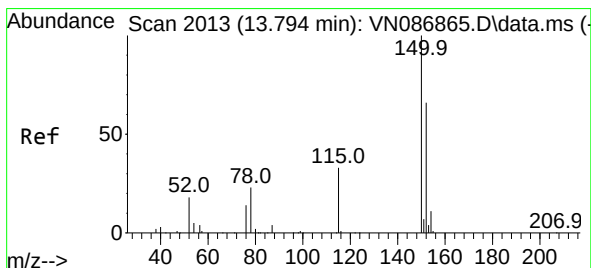
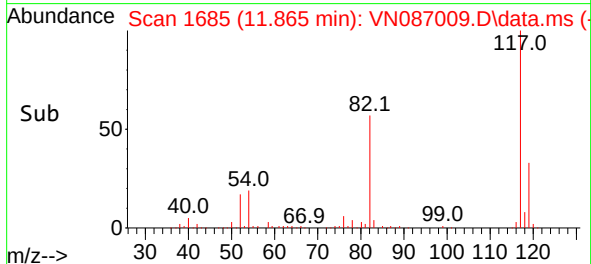
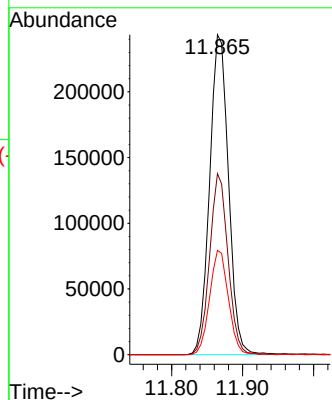
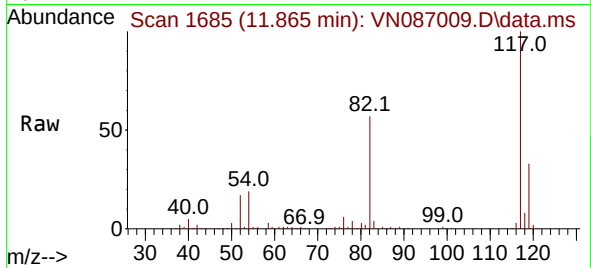




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087009.D
Acq: 13 Jun 2025 18:02

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 449258
Ion Ratio Lower Upper
117 100
82 56.6 44.6 67.0
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN087009.D
Acq: 13 Jun 2025 18:02

Tgt Ion:152 Resp: 215822
Ion Ratio Lower Upper
152 100
115 60.2 30.1 90.5
150 158.1 0.0 345.0

