

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031873.D
 Acq On : 16 Jul 2025 13:13
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Jul 17 04:03:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

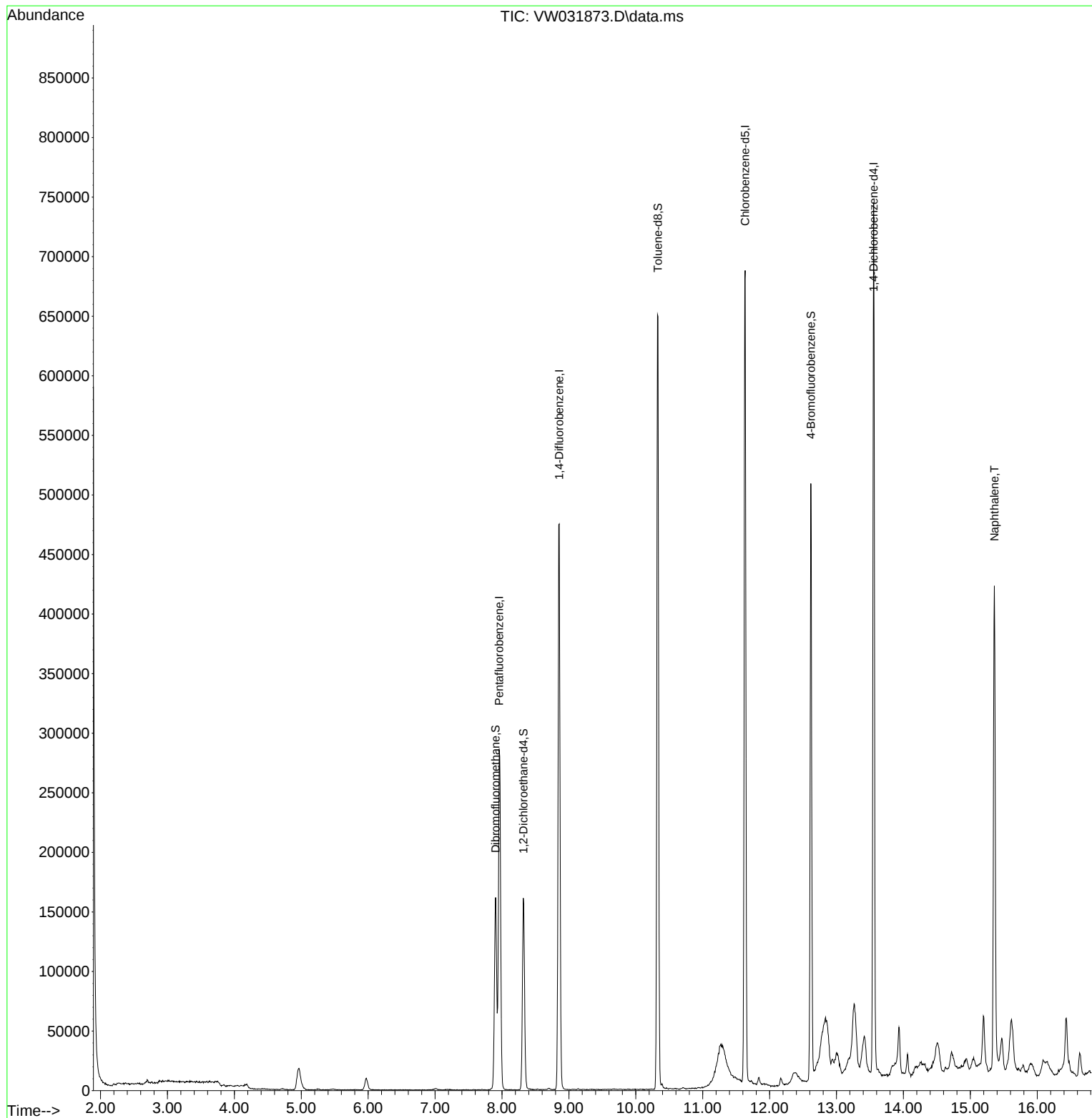
Internal Standards						
1) Pentafluorobenzene	7.959	168	200112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	402279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	381390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	187330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132007	45.966	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	91.940%
35) Dibromofluoromethane	7.904	113	117036	44.584	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	89.160%
50) Toluene-d8	10.331	98	445525	45.607	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.220%
62) 4-Bromofluorobenzene	12.617	95	177553	49.390	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	98.780%
Target Compounds						
					Qvalue	
95) Naphthalene	15.360	128	365536	41.502	ug/l	99

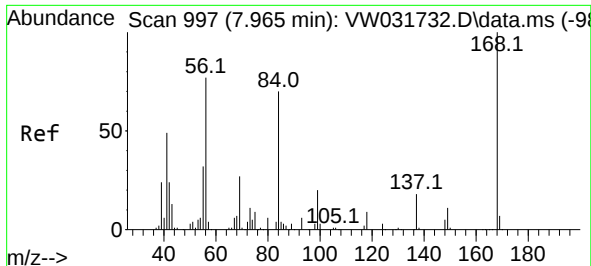
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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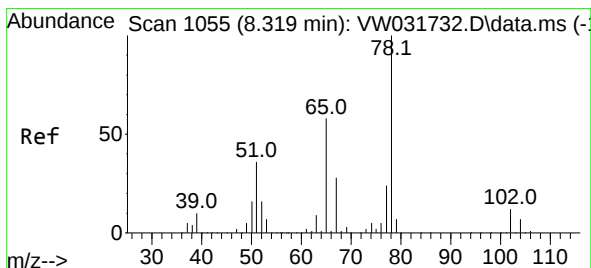
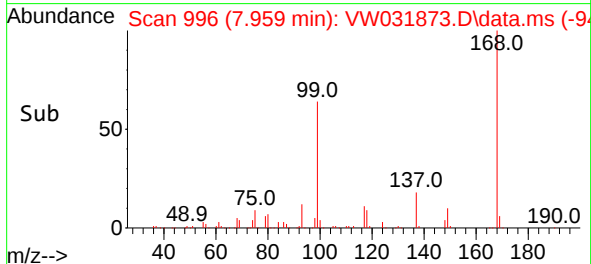
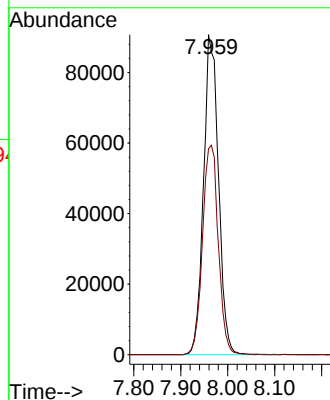
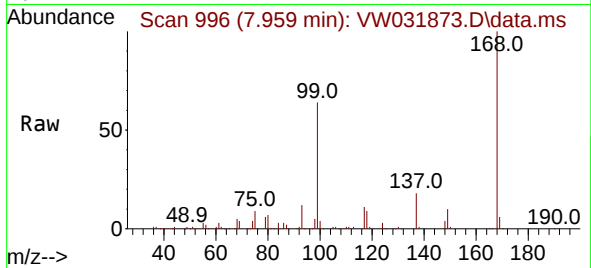




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

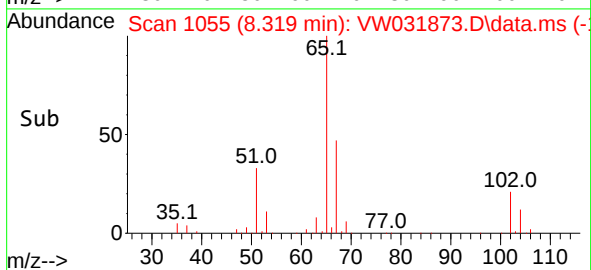
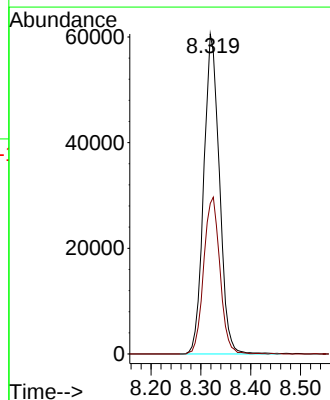
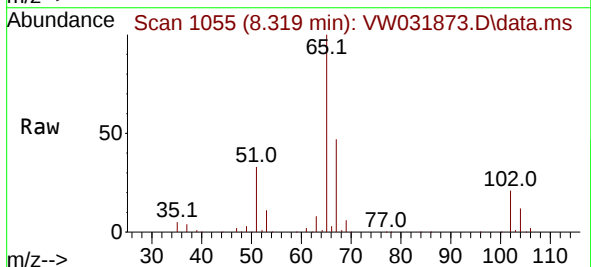
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

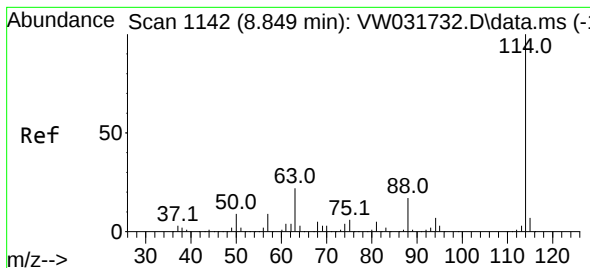
Tgt Ion:168 Resp: 200112
Ion Ratio Lower Upper
168 100
99 64.4 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 45.966 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

Tgt Ion: 65 Resp: 132007
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW031873.D

Acq: 16 Jul 2025 13:13

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

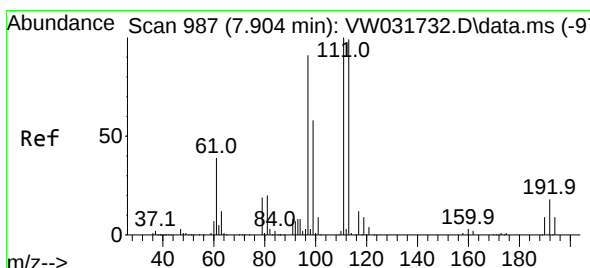
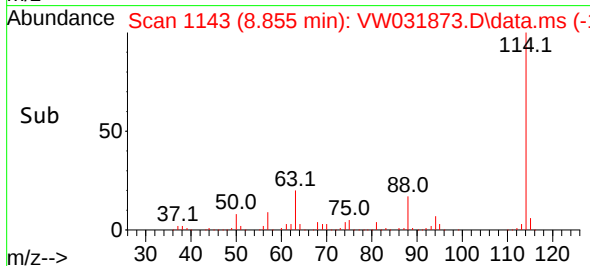
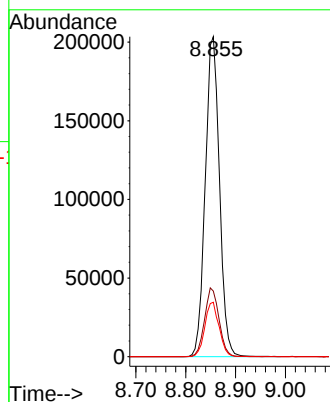
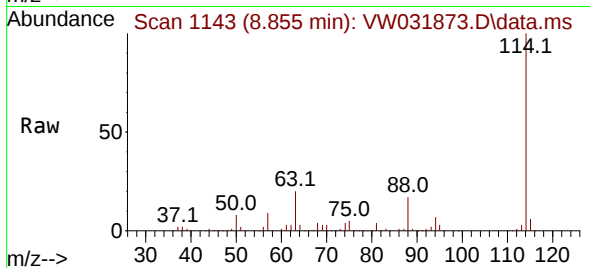
Tgt Ion:114 Resp: 402279

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.6

88 17.0 0.0 34.2



#35

Dibromofluoromethane

Concen: 44.584 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031873.D

Acq: 16 Jul 2025 13:13

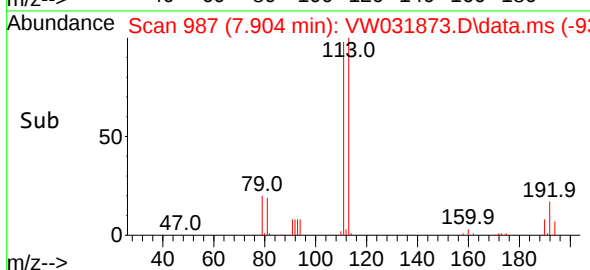
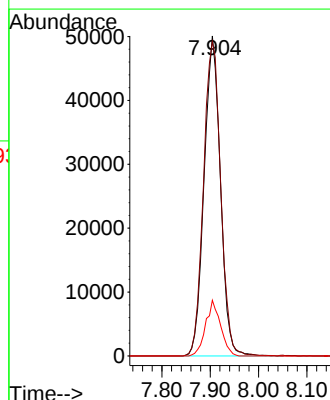
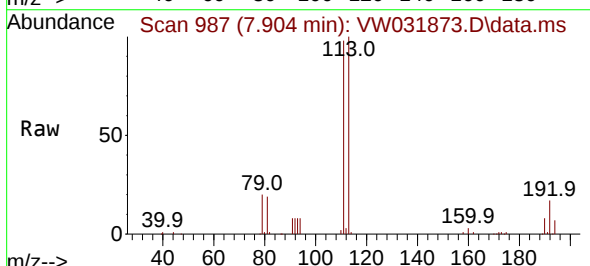
Tgt Ion:113 Resp: 117036

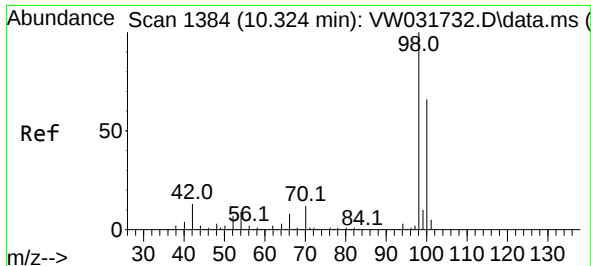
Ion Ratio Lower Upper

113 100

111 103.9 82.1 123.1

192 16.0 13.8 20.6

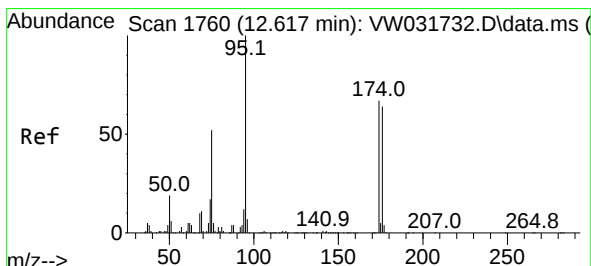
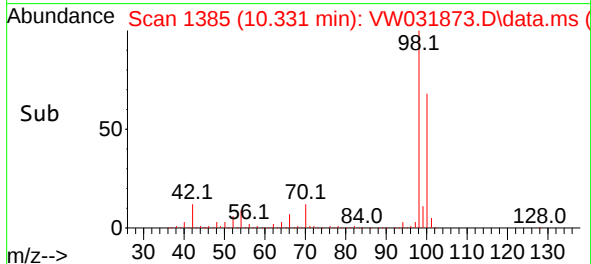
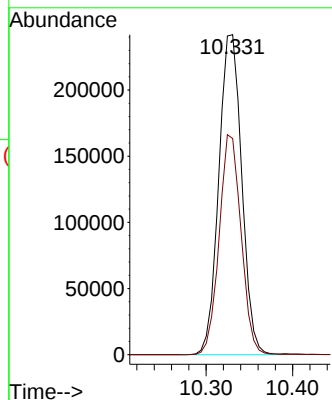
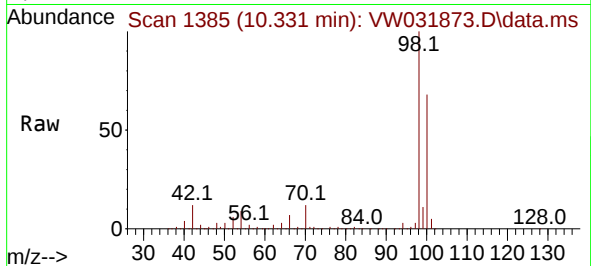




#50
Toluene-d8
Concen: 45.607 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

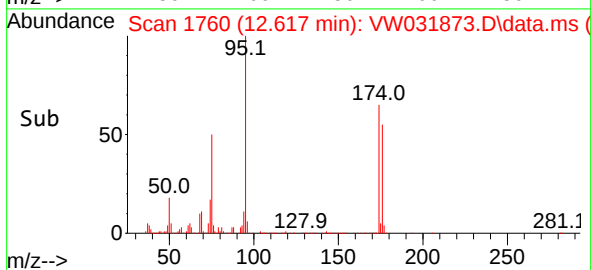
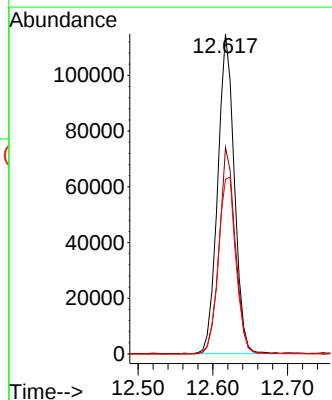
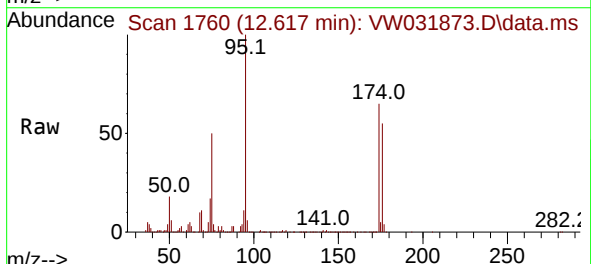
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

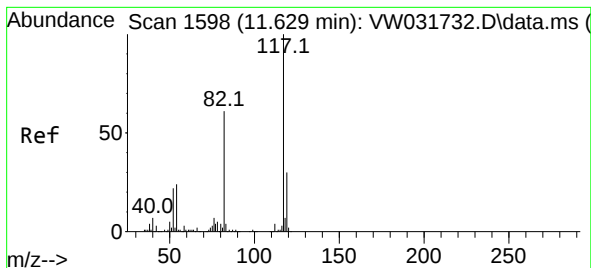
Tgt Ion: 98 Resp: 445525
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.390 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

Tgt Ion: 95 Resp: 177553
Ion Ratio Lower Upper
95 100
174 62.7 0.0 133.8
176 58.9 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1599

Delta R.T. 0.006 min

Lab File: VW031873.D

Acq: 16 Jul 2025 13:13

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

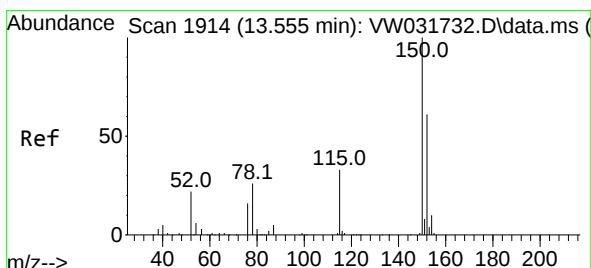
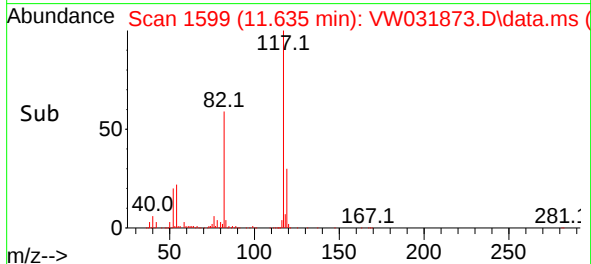
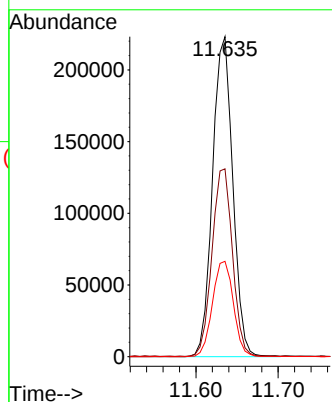
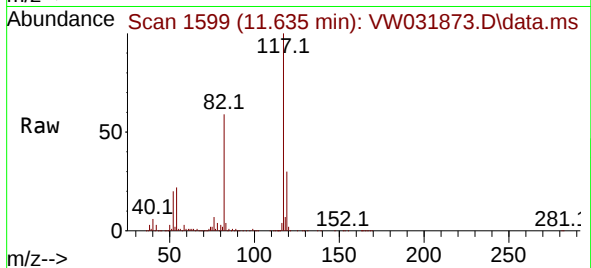
Tgt Ion:117 Resp: 381390

Ion Ratio Lower Upper

117 100

82 58.5 48.6 72.8

119 29.8 23.9 35.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031873.D

Acq: 16 Jul 2025 13:13

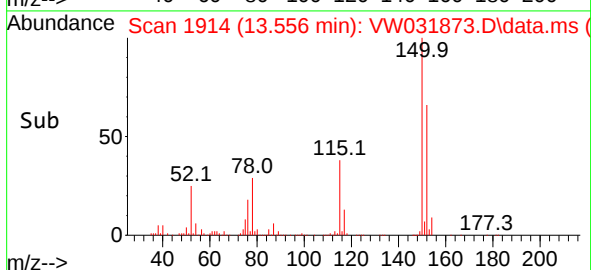
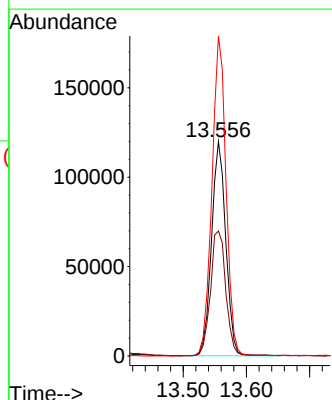
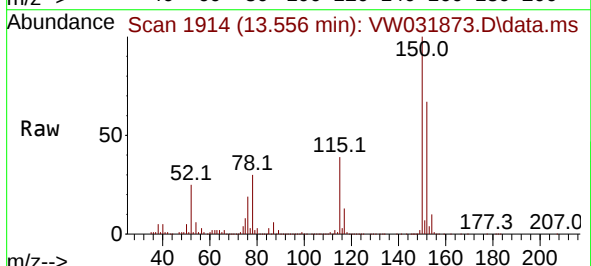
Tgt Ion:152 Resp: 187330

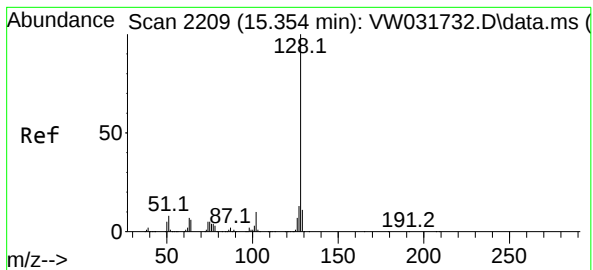
Ion Ratio Lower Upper

152 100

115 62.3 31.9 95.7

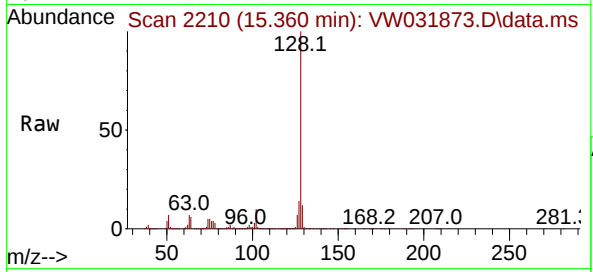
150 148.1 0.0 356.4





#95
Naphthalene
Concen: 41.502 ug/l
RT: 15.360 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

Instrument :
MSVOA_W
ClientSampleId :
VIBLK



Tgt Ion:128 Resp: 365536

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.8	8.7	13.1

