

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023333.D
 Acq On : 10 Sep 2025 15:13
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 11 03:51:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	550193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1056720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	988330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	411278	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	297507	61.537	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.080%
35) Dibromofluoromethane	7.640	113	343752	53.218	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.440%
50) Toluene-d8	10.109	98	1275363	52.288	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.580%
62) 4-Bromofluorobenzene	12.408	95	384355	50.074	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.140%

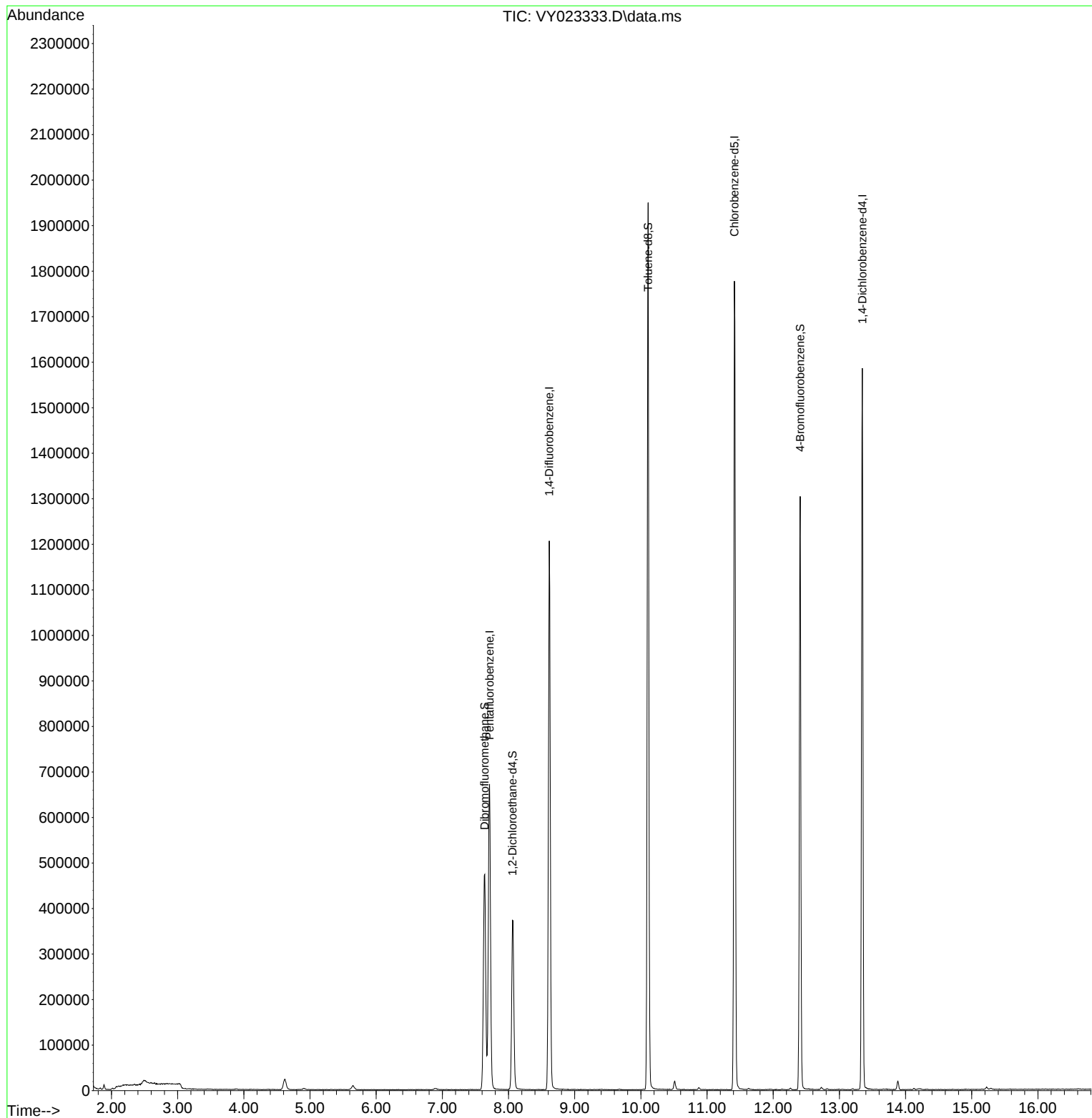
Target Compounds	Qvalue

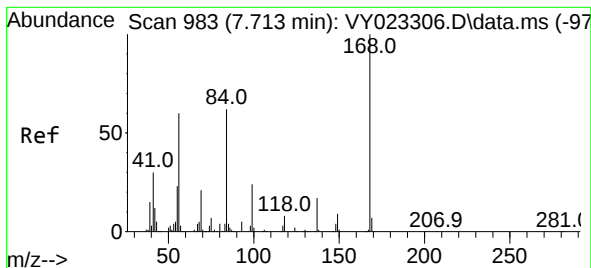
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY023333.D

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Instrument :

MSVOA_Y

ClientSampleId :

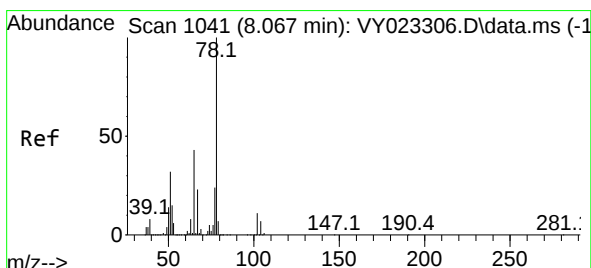
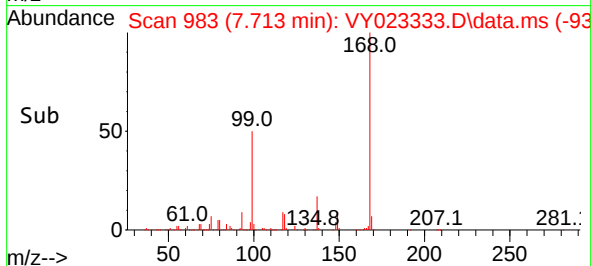
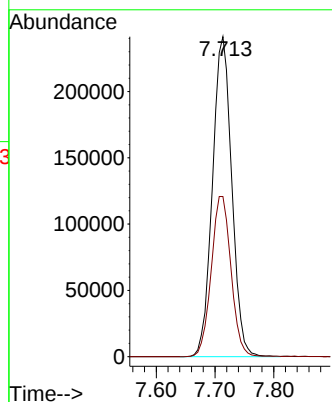
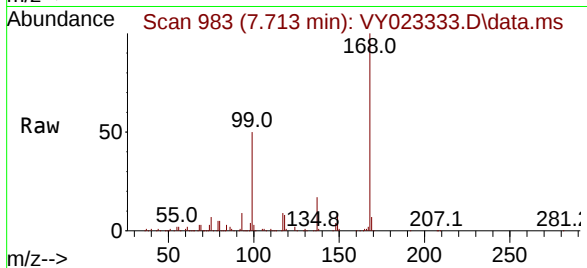
VIBLK

Tgt Ion:168 Resp: 550193

Ion Ratio Lower Upper

168 100

99 50.1 42.8 64.2



#33

1,2-Dichloroethane-d4

Concen: 61.537 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023333.D

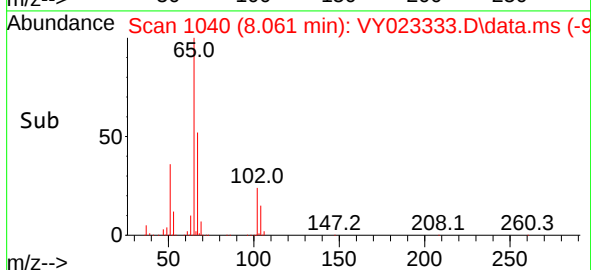
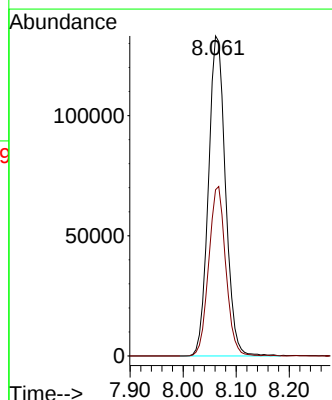
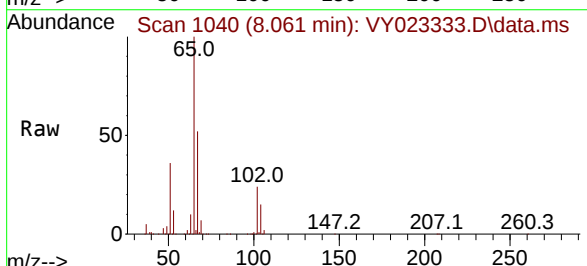
Acq: 10 Sep 2025 15:13

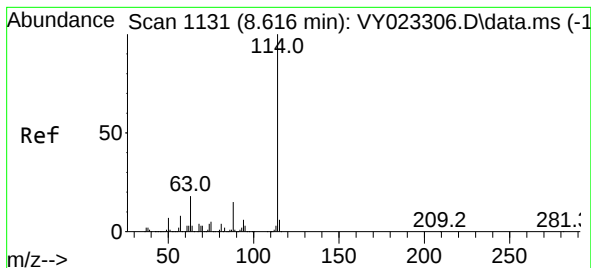
Tgt Ion: 65 Resp: 297507

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023333.D

Acq: 10 Sep 2025 15:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

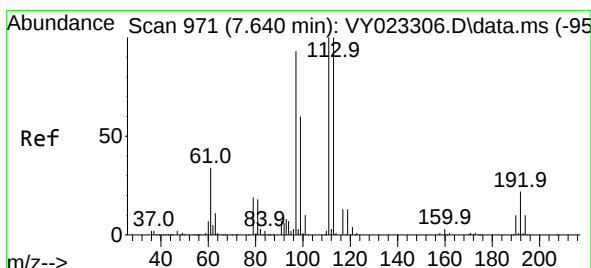
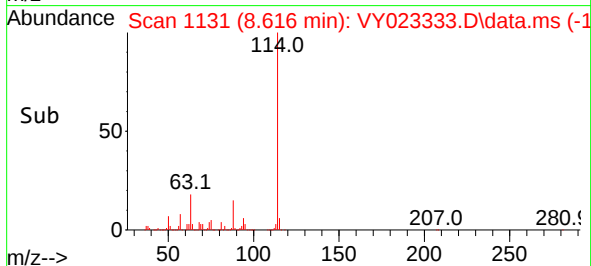
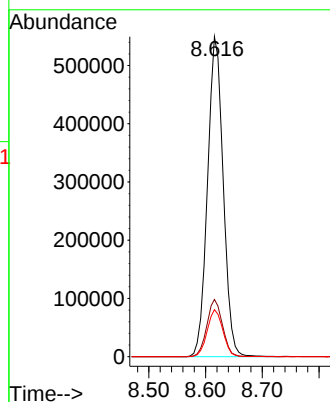
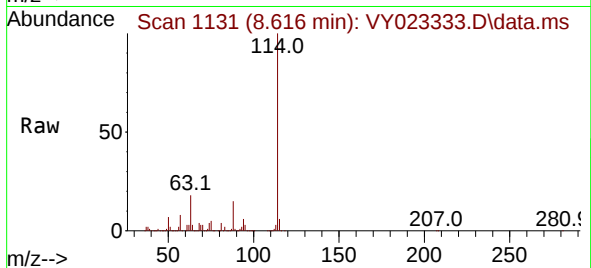
Tgt Ion:114 Resp: 1056720

Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.4

88 14.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.218 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023333.D

Acq: 10 Sep 2025 15:13

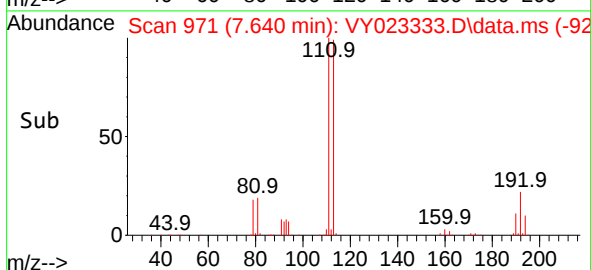
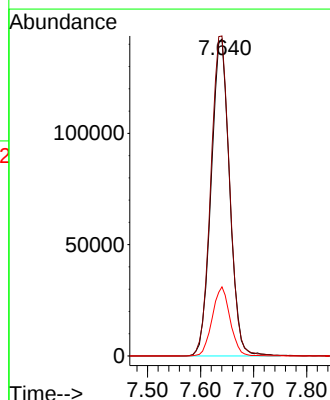
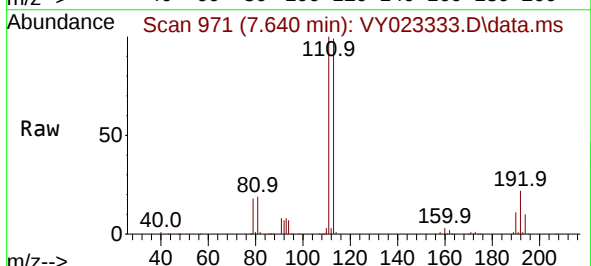
Tgt Ion:113 Resp: 343752

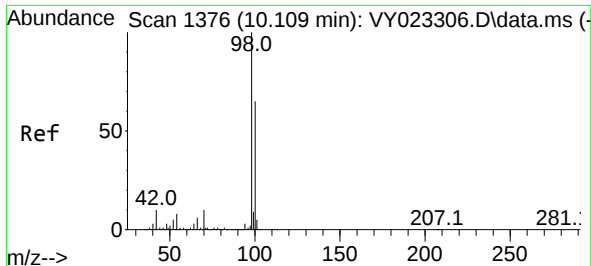
Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 21.1 16.2 24.4

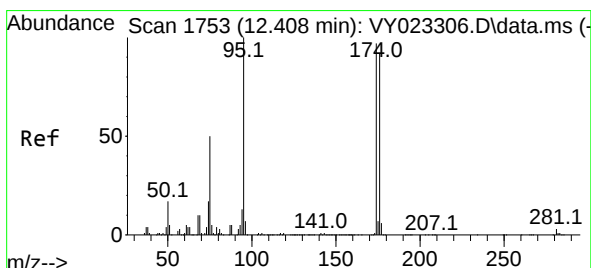
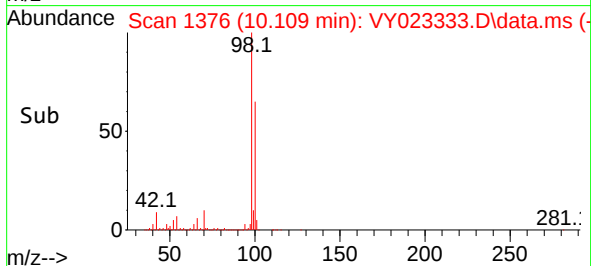
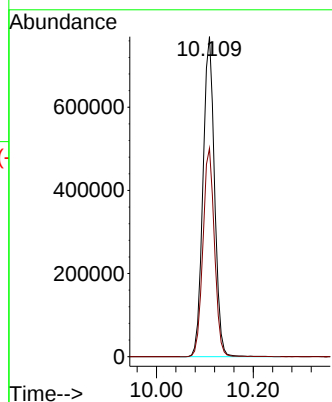
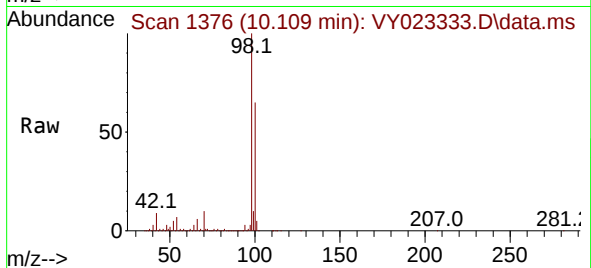




#50
Toluene-d8
Concen: 52.288 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023333.D
Acq: 10 Sep 2025 15:13

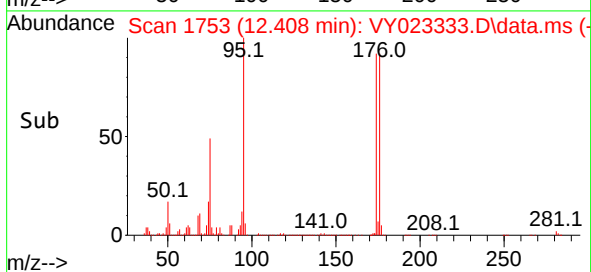
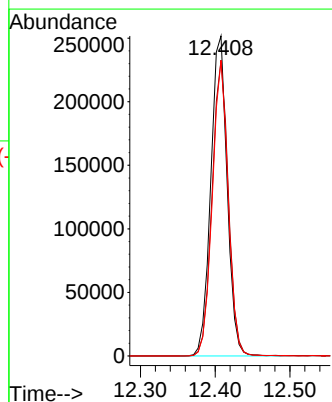
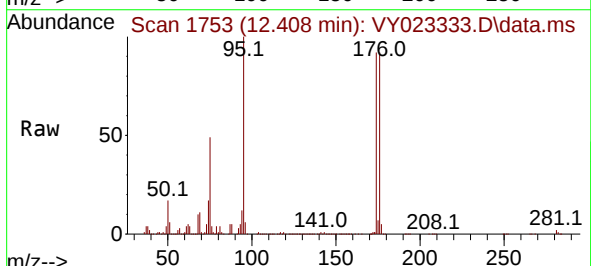
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

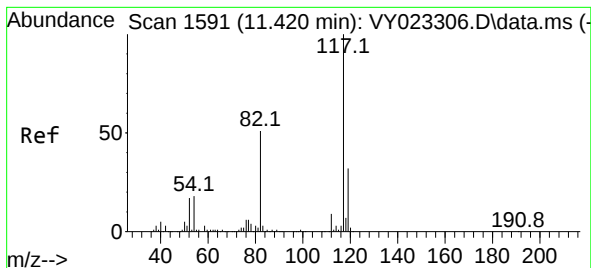
Tgt Ion: 98 Resp: 1275363
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 50.074 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023333.D
Acq: 10 Sep 2025 15:13

Tgt Ion: 95 Resp: 384355
Ion Ratio Lower Upper
95 100
174 92.2 0.0 171.6
176 89.4 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023333.D

Acq: 10 Sep 2025 15:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

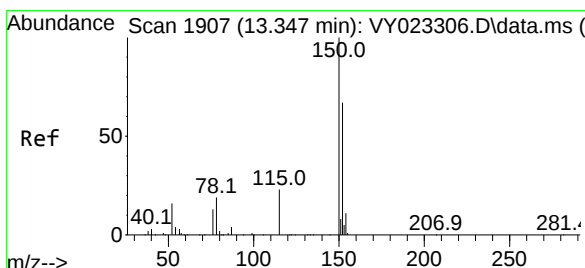
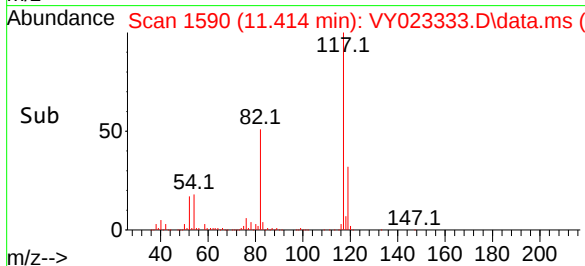
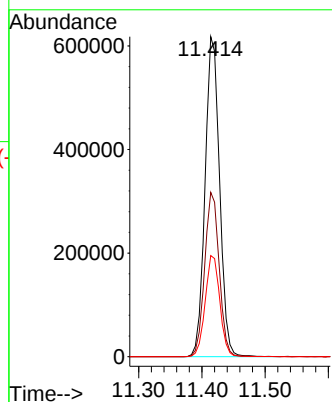
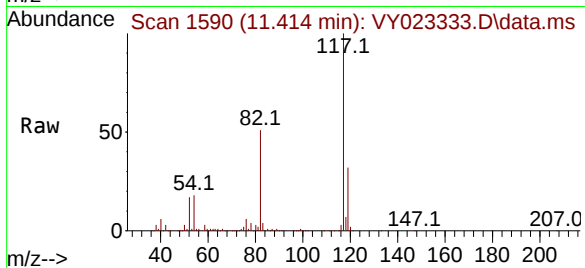
Tgt Ion:117 Resp: 988330

Ion Ratio Lower Upper

117 100

82 51.4 43.4 65.0

119 31.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023333.D

Acq: 10 Sep 2025 15:13

Tgt Ion:152 Resp: 411278

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.6

150 158.0 0.0 348.0

