

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022650.D
 Acq On : 10 Jun 2025 15:06
 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: Jun 11 01:52:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	234711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	435333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	356887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128857	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136276	51.912	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.820%
35) Dibromofluoromethane	7.634	113	134736	51.853	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.700%
50) Toluene-d8	10.109	98	532382	50.707	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.420%
62) 4-Bromofluorobenzene	12.408	95	129211	41.305	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.600%

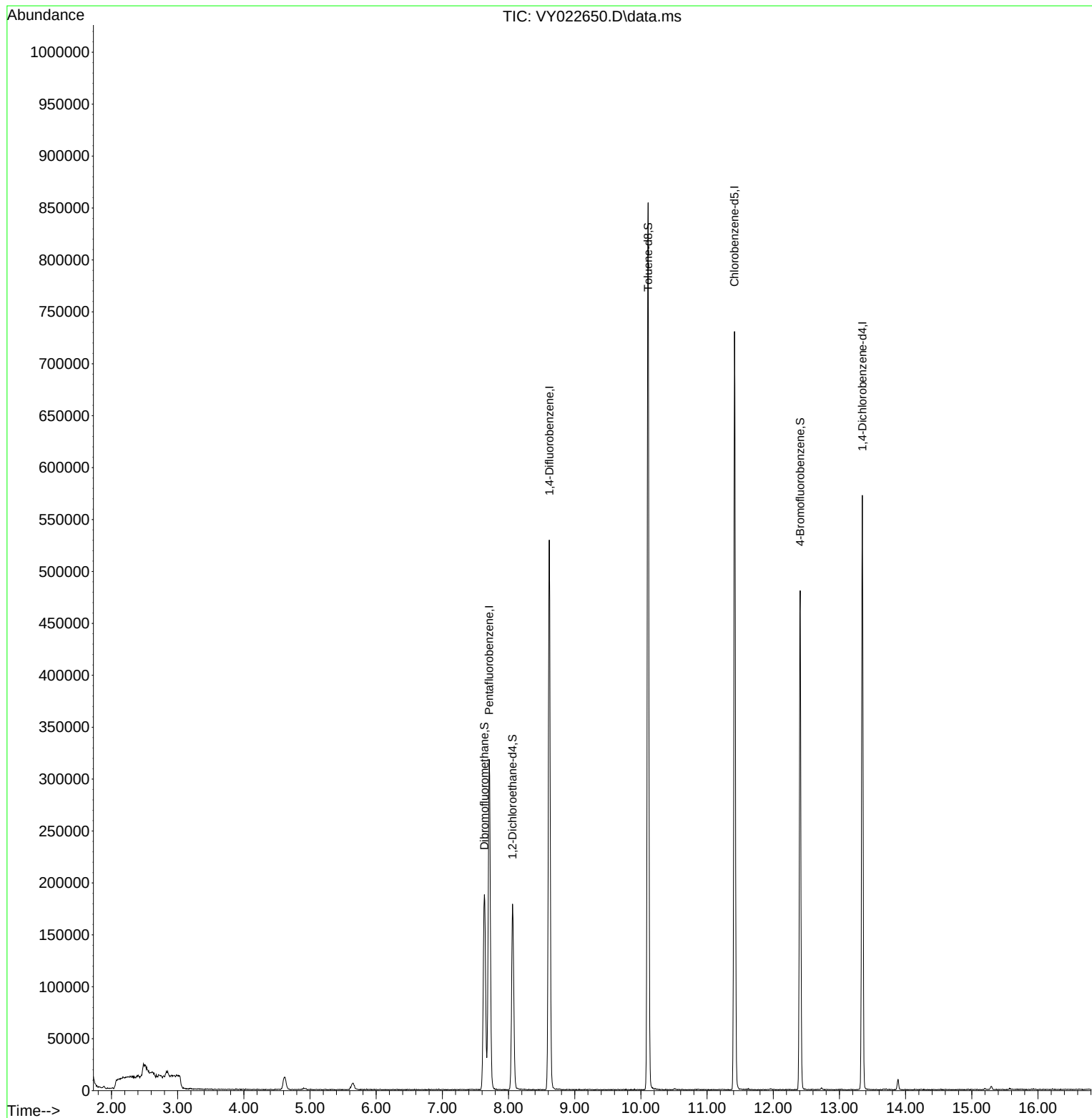
Target Compounds	Qvalue

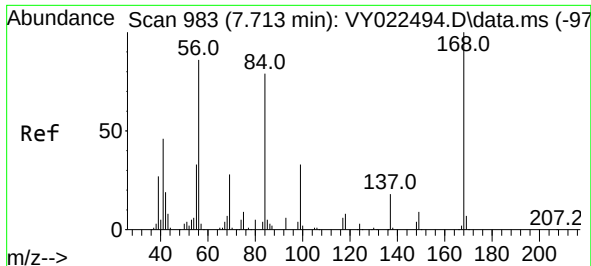
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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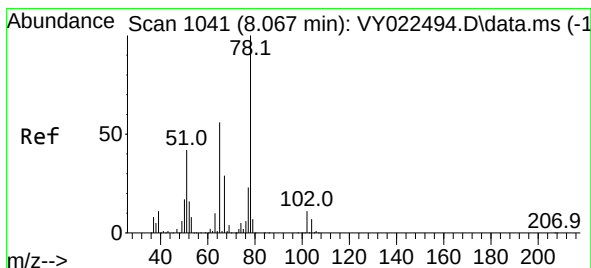
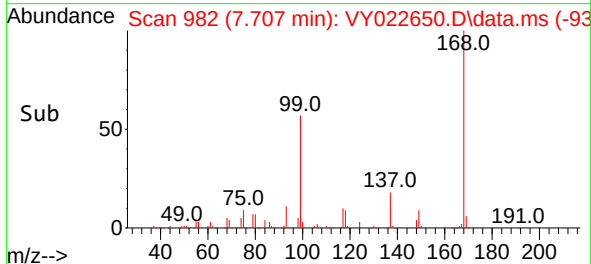
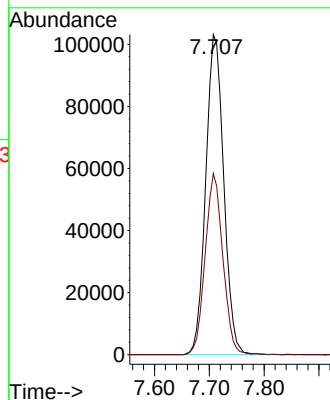
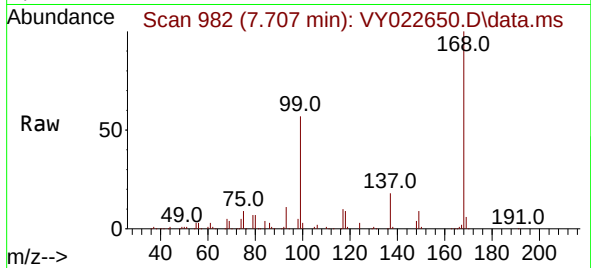




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022650.D
Acq: 10 Jun 2025 15:06

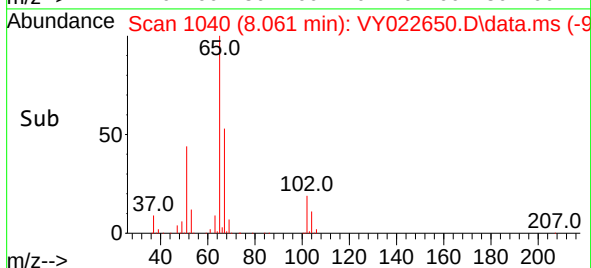
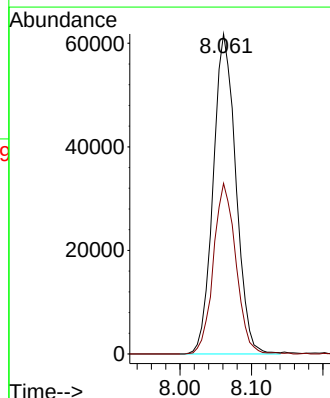
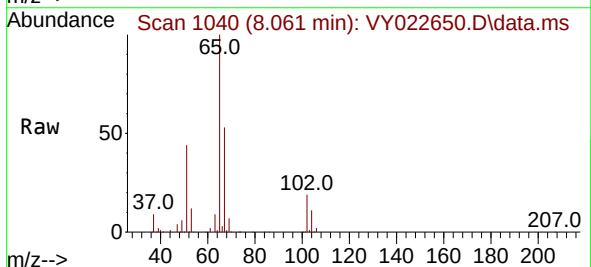
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

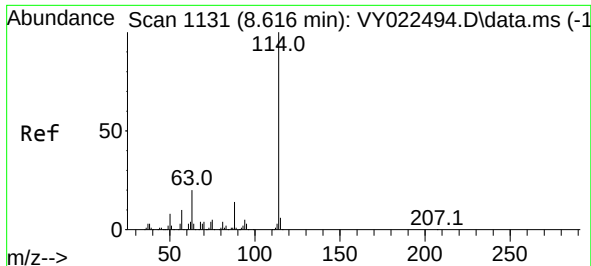
Tgt Ion:168 Resp: 234711
Ion Ratio Lower Upper
168 100
99 56.6 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 51.912 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022650.D
Acq: 10 Jun 2025 15:06

Tgt Ion: 65 Resp: 136276
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022650.D

Acq: 10 Jun 2025 15:06

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

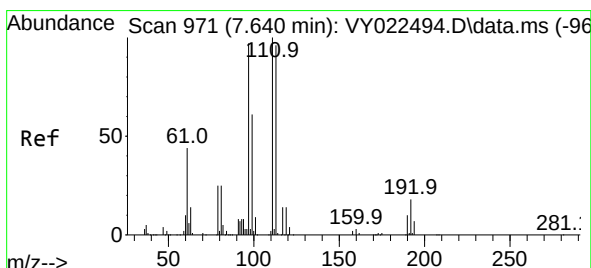
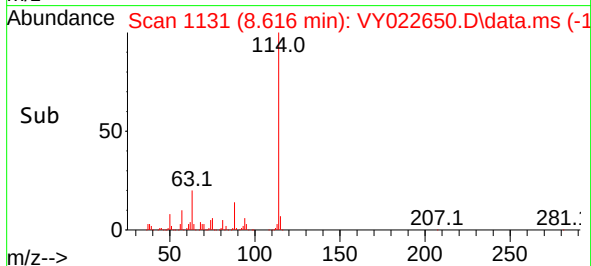
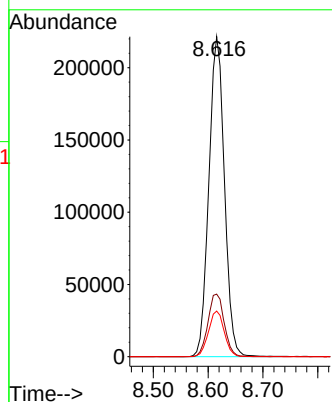
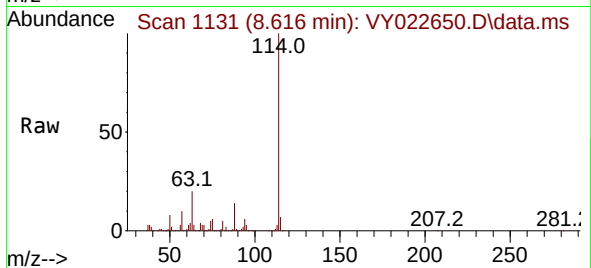
Tgt Ion:114 Resp: 435333

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 14.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.853 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022650.D

Acq: 10 Jun 2025 15:06

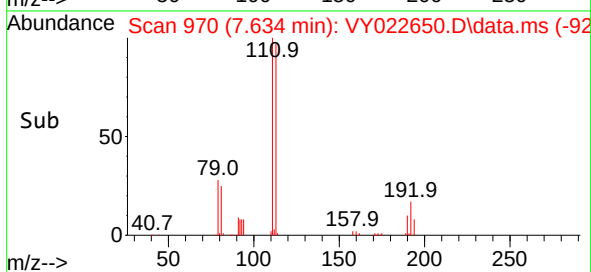
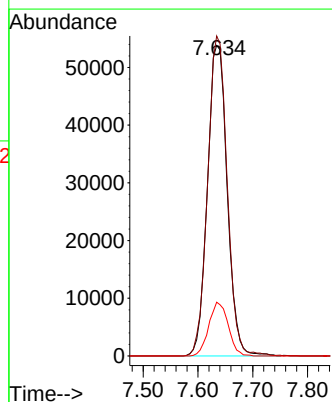
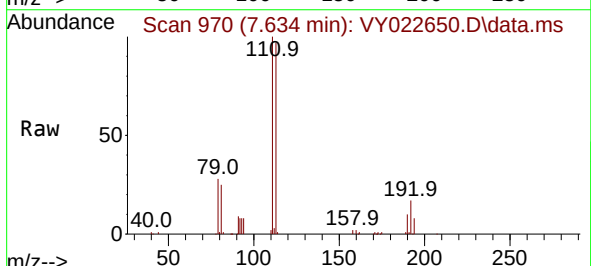
Tgt Ion:113 Resp: 134736

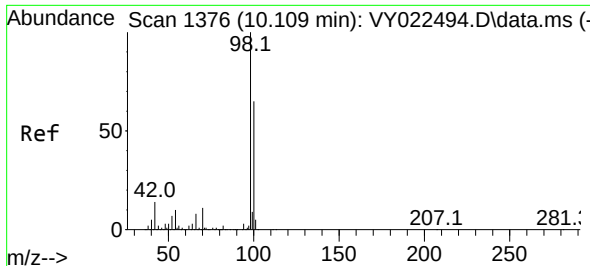
Ion Ratio Lower Upper

113 100

111 101.7 81.1 121.7

192 17.0 14.2 21.2

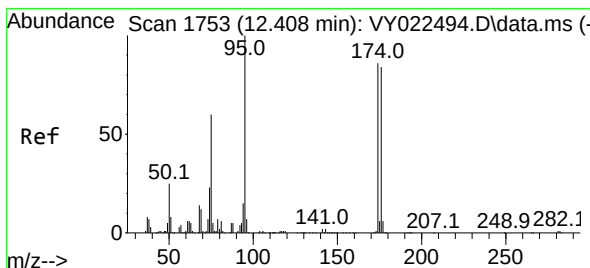
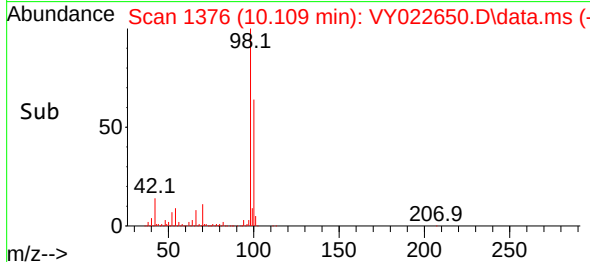
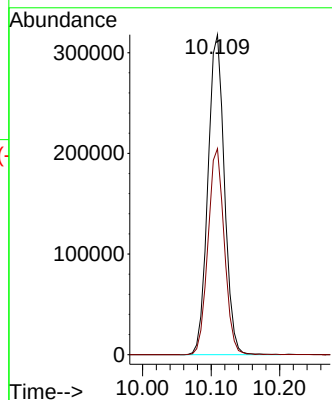
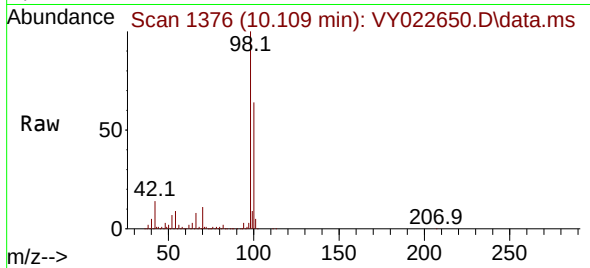




#50
Toluene-d8
Concen: 50.707 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022650.D
Acq: 10 Jun 2025 15:06

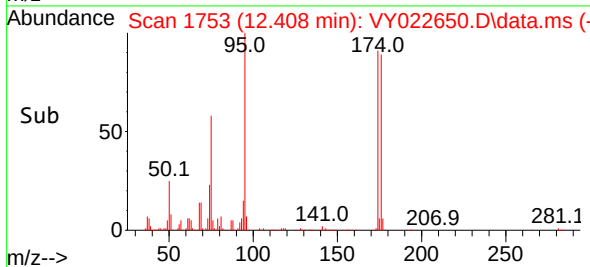
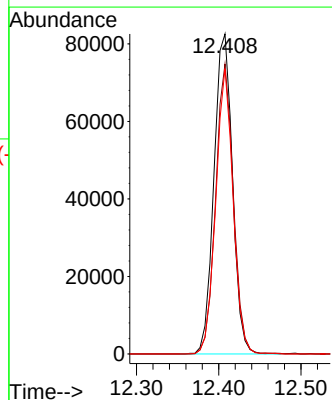
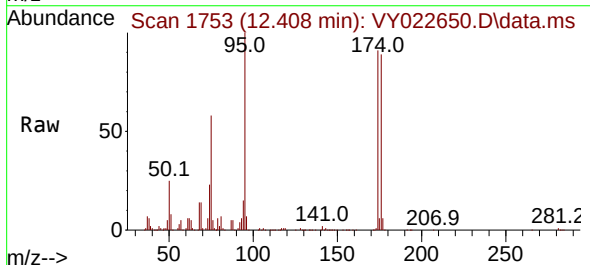
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

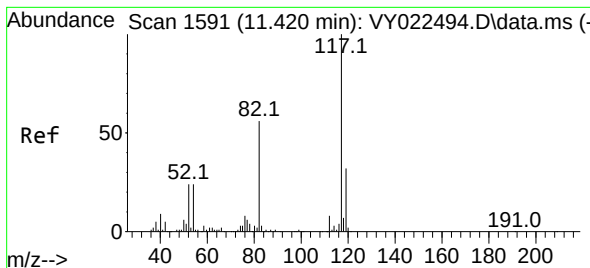
Tgt Ion: 98 Resp: 532382
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 41.305 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022650.D
Acq: 10 Jun 2025 15:06

Tgt Ion: 95 Resp: 129211
Ion Ratio Lower Upper
95 100
174 87.0 0.0 170.0
176 83.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY022650.D

Acq: 10 Jun 2025 15:06

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

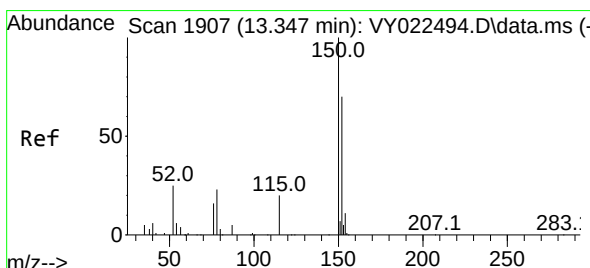
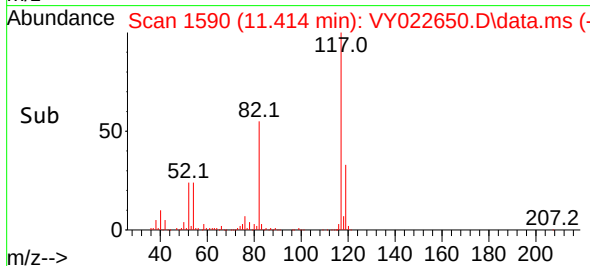
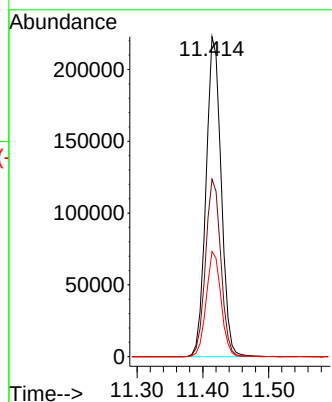
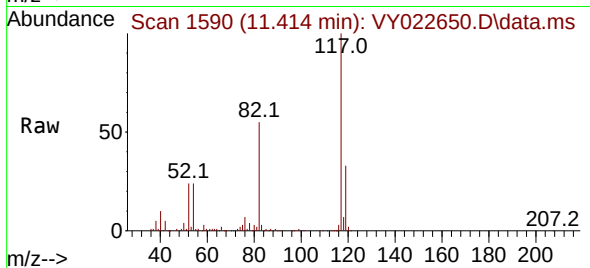
Tgt Ion:117 Resp: 356887

Ion Ratio Lower Upper

117 100

82 55.5 44.6 66.8

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022650.D

Acq: 10 Jun 2025 15:06

Tgt Ion:152 Resp: 128857

Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.7

150 157.4 0.0 349.6

