

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022635.D
 Acq On : 09 Jun 2025 17:07
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 10 01:32:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	267029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	502563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	409982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151466	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	157755	52.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.640%
35) Dibromofluoromethane	7.634	113	152008	50.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.340%
50) Toluene-d8	10.109	98	612492	50.533	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.060%
62) 4-Bromofluorobenzene	12.408	95	155275	42.996	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.000%

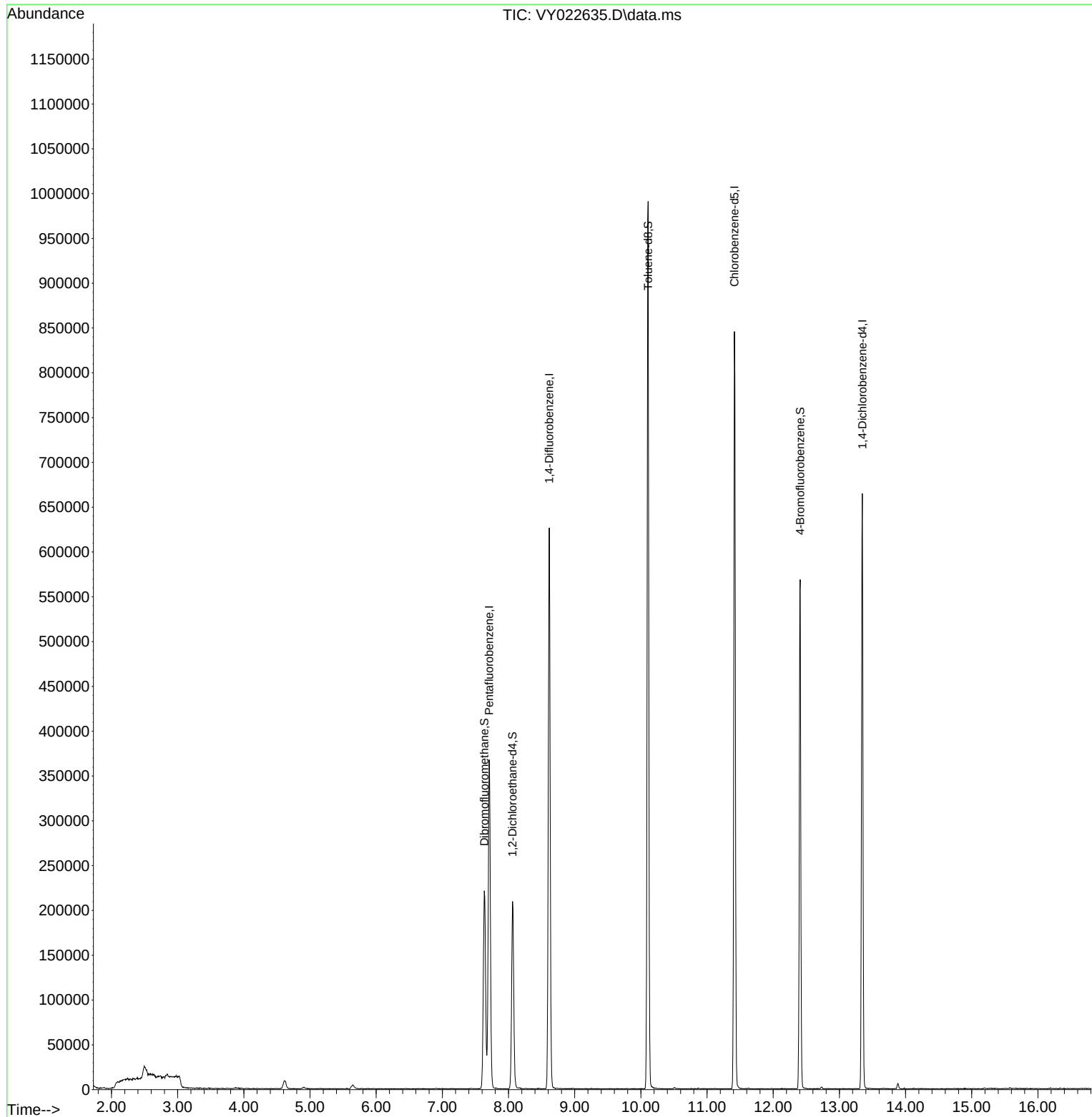
Target Compounds	Qvalue

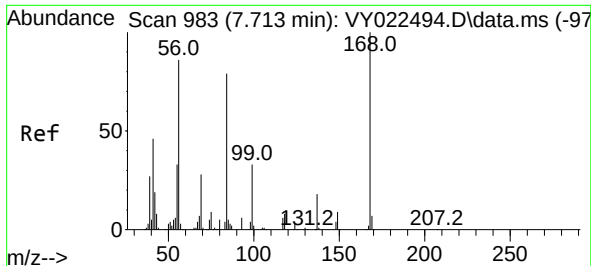
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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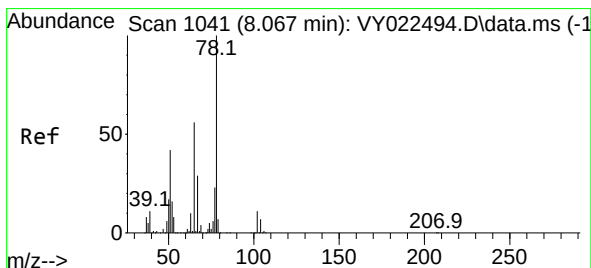
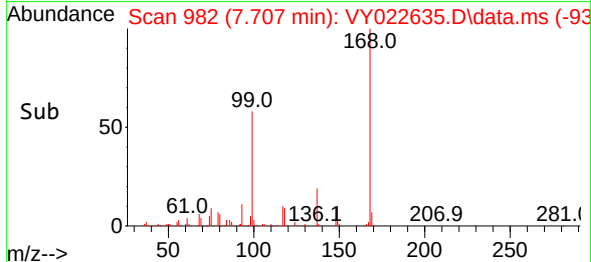
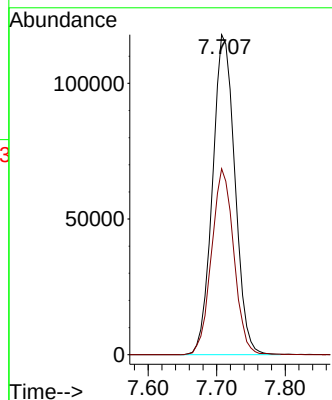
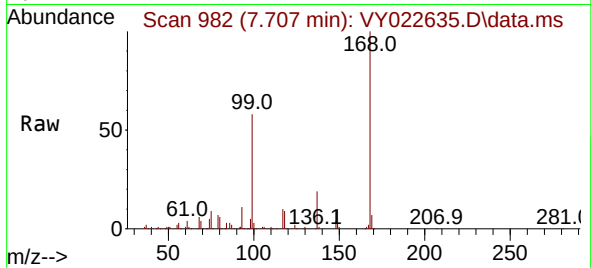




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

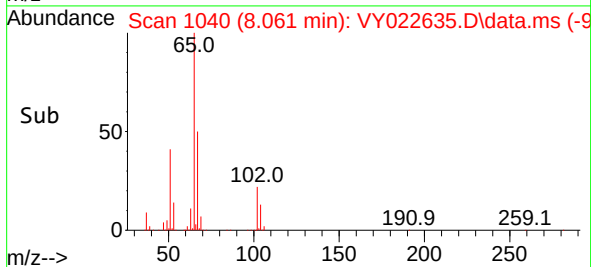
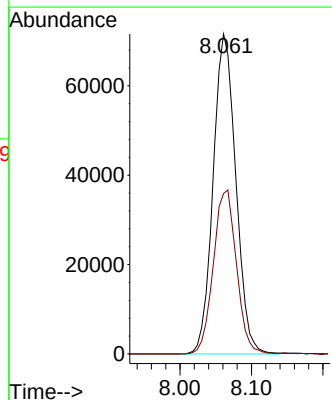
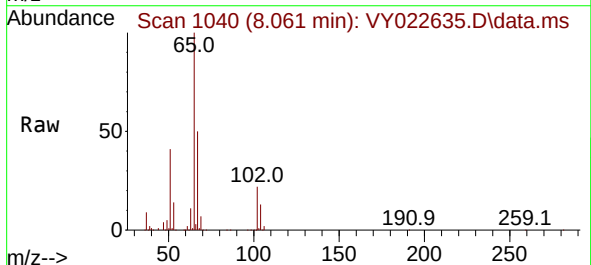
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

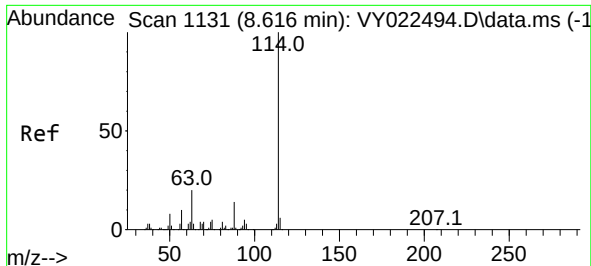
Tgt Ion:168 Resp: 267029
Ion Ratio Lower Upper
168 100
99 58.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 52.821 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

Tgt Ion: 65 Resp: 157755
Ion Ratio Lower Upper
65 100
67 52.3 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: VY022635.D

Acq: 09 Jun 2025 17:07

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

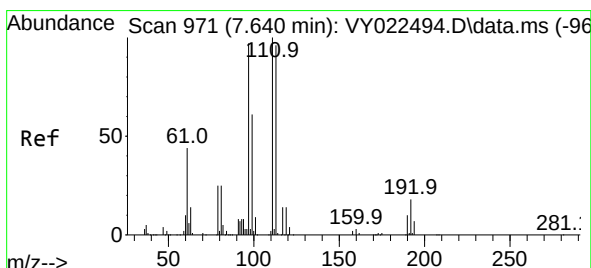
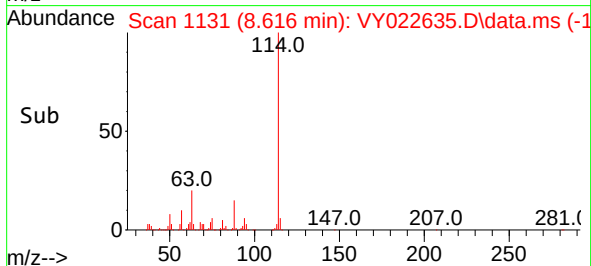
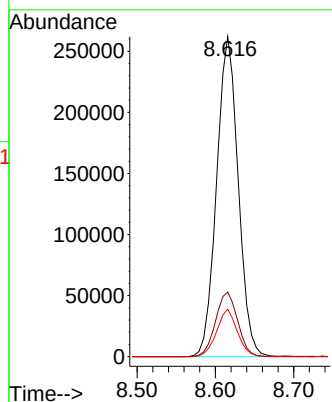
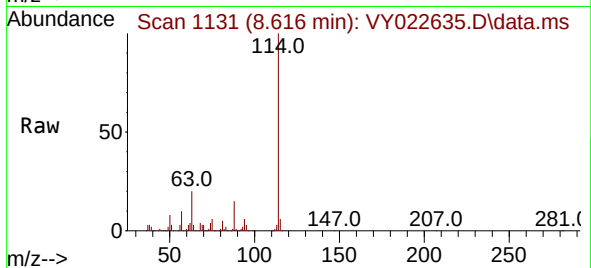
Tgt Ion:114 Resp: 502563

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.9 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.674 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022635.D

Acq: 09 Jun 2025 17:07

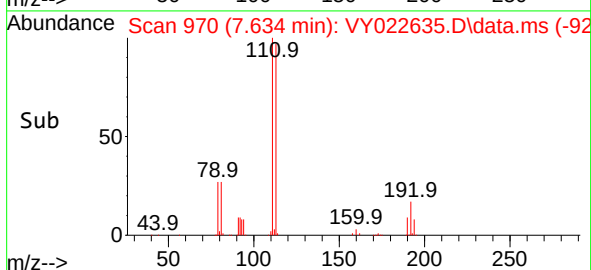
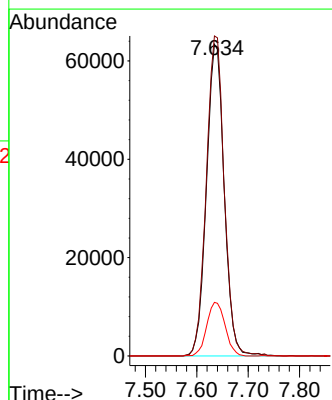
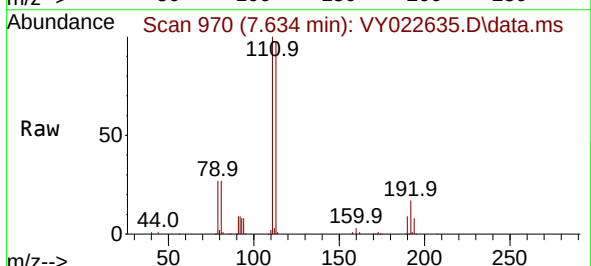
Tgt Ion:113 Resp: 152008

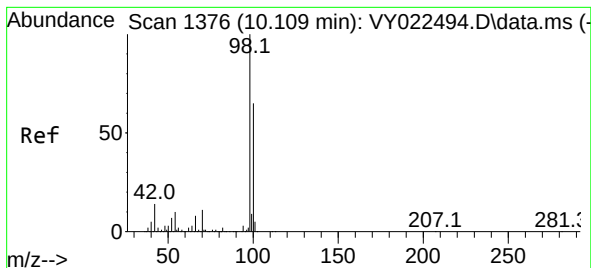
Ion Ratio Lower Upper

113 100

111 103.7 81.1 121.7

192 17.8 14.2 21.2

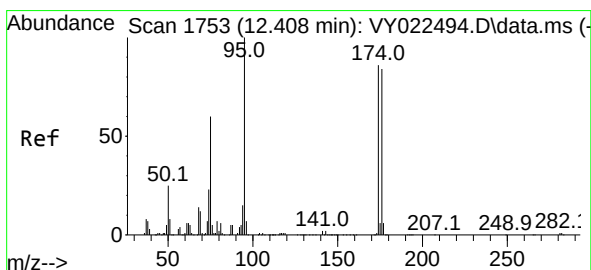
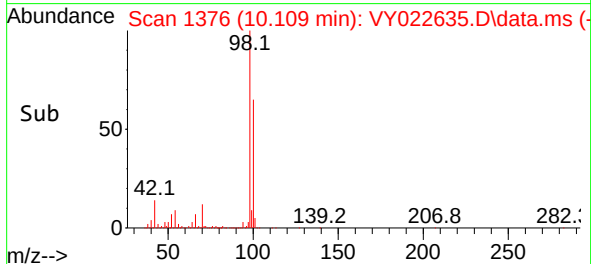
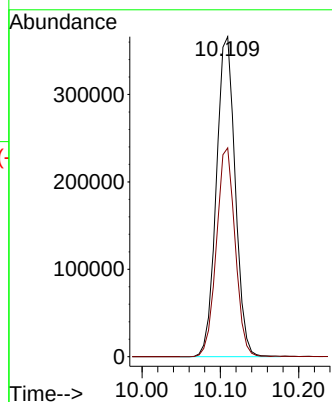
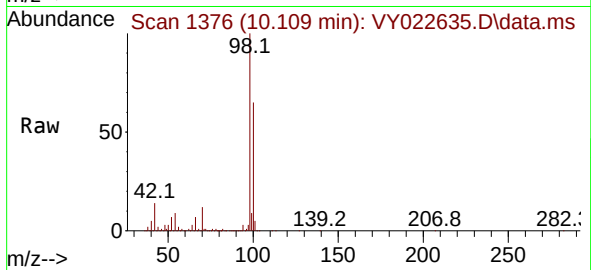




#50
Toluene-d8
Concen: 50.533 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

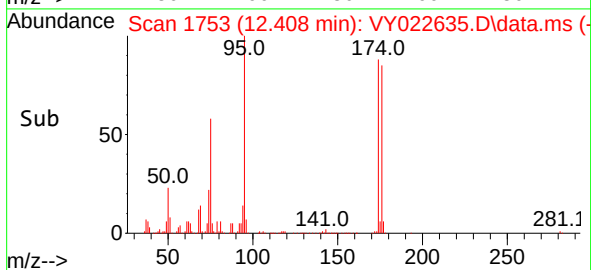
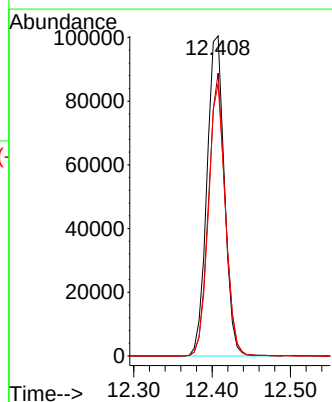
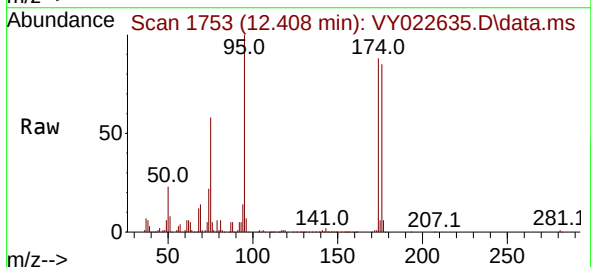
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

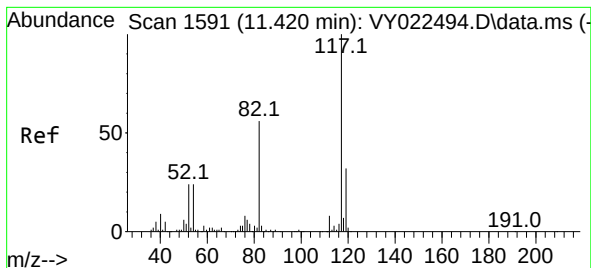
Tgt Ion: 98 Resp: 612492
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.996 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

Tgt Ion: 95 Resp: 155275
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.0
176 82.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022635.D

Acq: 09 Jun 2025 17:07

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

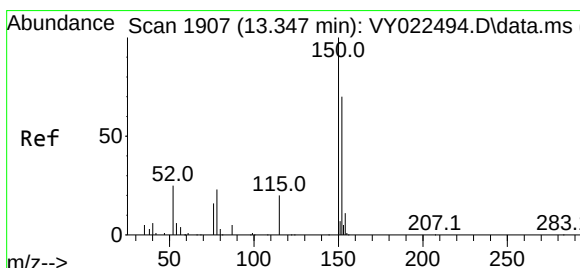
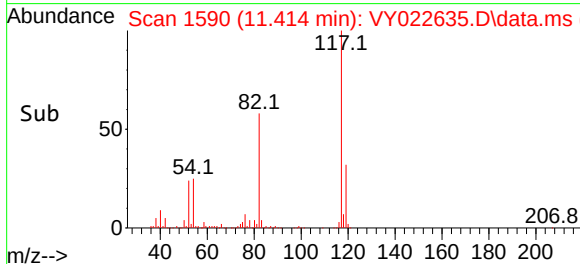
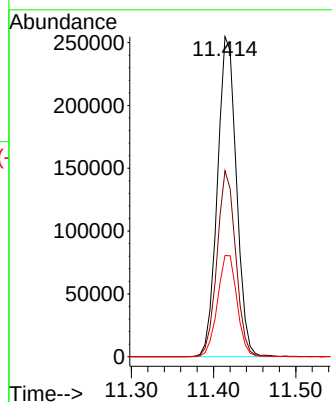
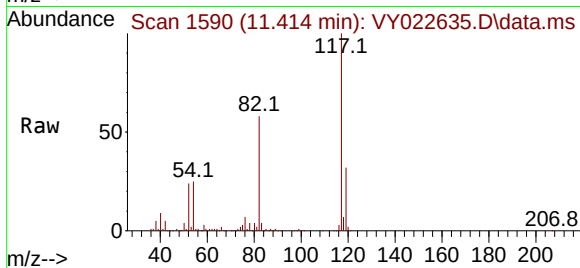
Tgt Ion:117 Resp: 409982

Ion Ratio Lower Upper

117 100

82 58.1 44.6 66.8

119 31.6 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: VY022635.D

Acq: 09 Jun 2025 17:07

Tgt Ion:152 Resp: 151466

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 158.7 0.0 349.6

