

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
 Data File : VY021094.D
 Acq On : 05 Feb 2025 17:21
 Operator : SY/MD
 Sample : Q1276-02
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-020325

Quant Time: Feb 06 00:56:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	197298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	339807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	293063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	112703	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96249	47.613	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.220%
35) Dibromofluoromethane	7.634	113	104097	47.801	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.600%
50) Toluene-d8	10.109	98	395590	47.715	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.420%
62) 4-Bromofluorobenzene	12.408	95	118940	43.913	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.820%

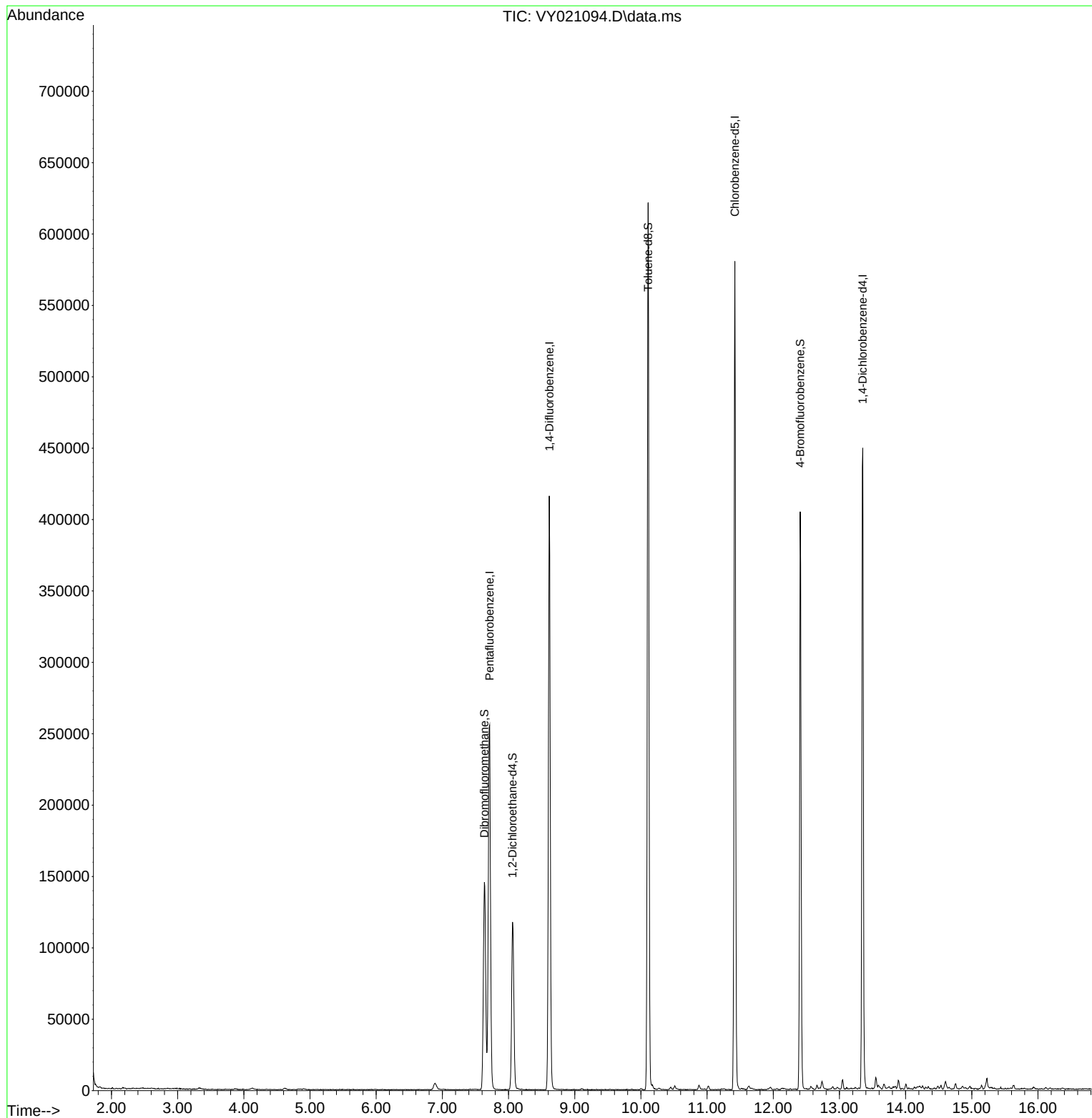
Target Compounds	Qvalue

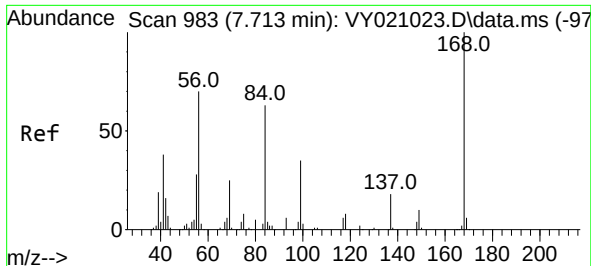
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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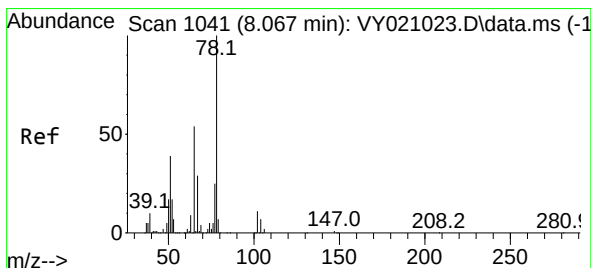
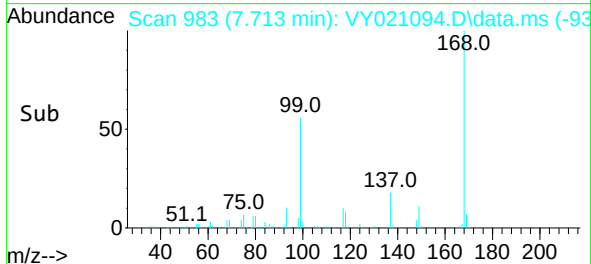
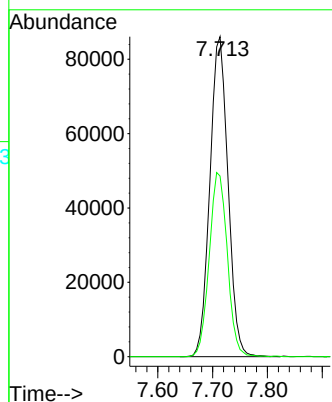
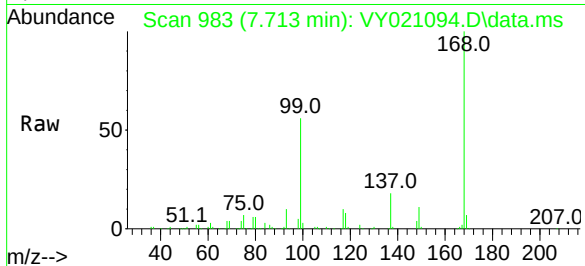




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021094.D
Acq: 05 Feb 2025 17:21

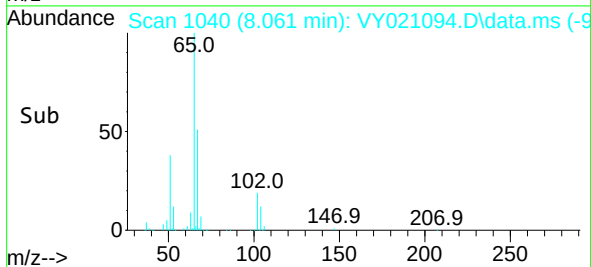
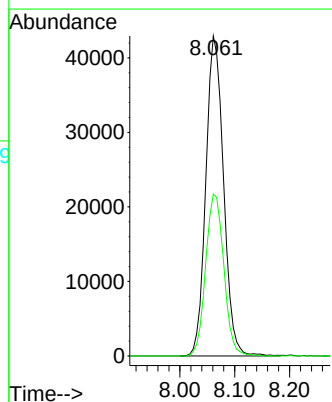
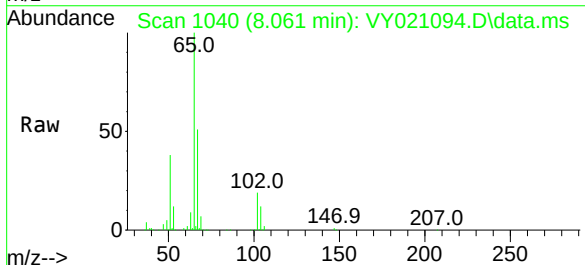
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-020325

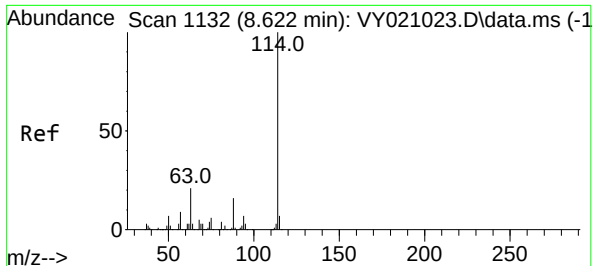
Tgt Ion:168 Resp: 197298
Ion Ratio Lower Upper
168 100
99 56.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 47.613 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021094.D
Acq: 05 Feb 2025 17:21

Tgt Ion: 65 Resp: 96249
Ion Ratio Lower Upper
65 100
67 51.8 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021094.D

Acq: 05 Feb 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-020325

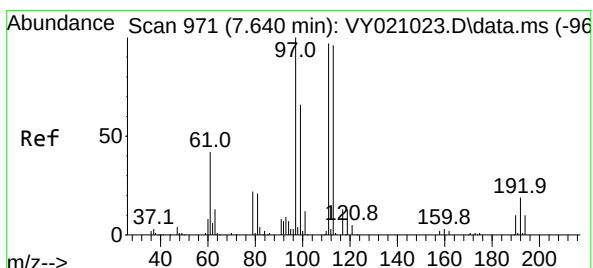
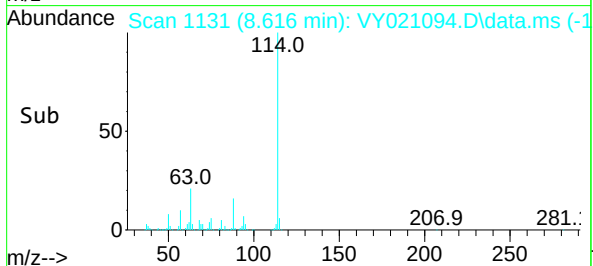
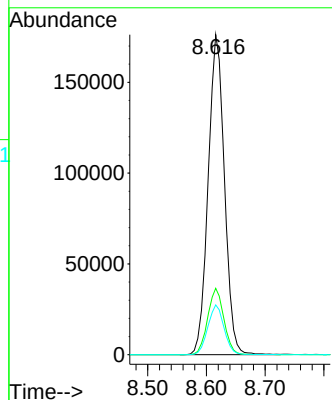
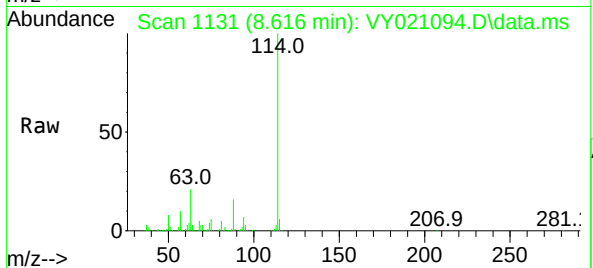
Tgt Ion:114 Resp: 339807

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 15.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 47.801 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021094.D

Acq: 05 Feb 2025 17:21

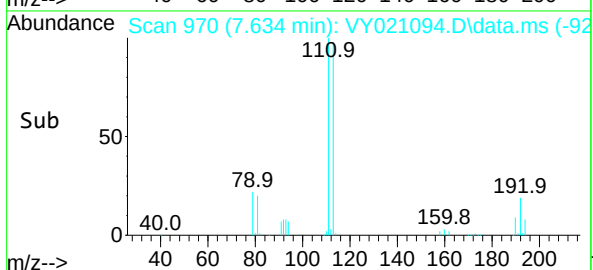
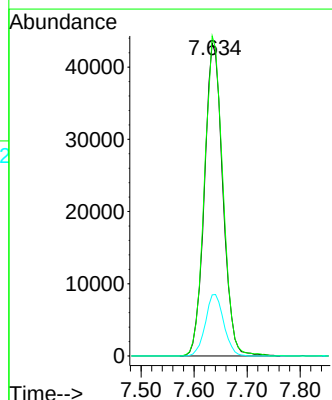
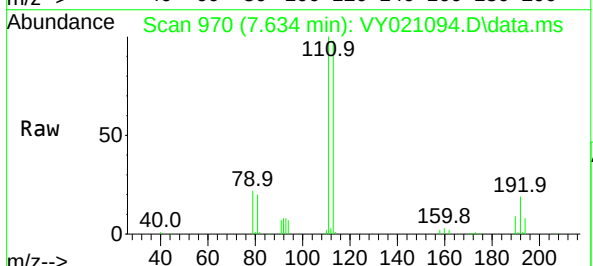
Tgt Ion:113 Resp: 104097

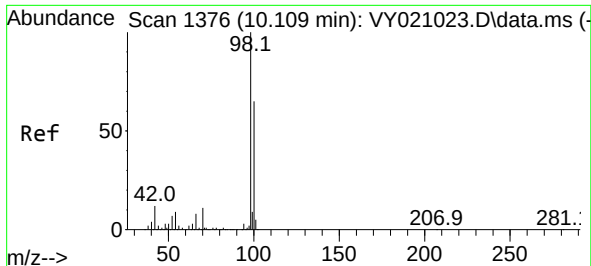
Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 19.7 14.5 21.7

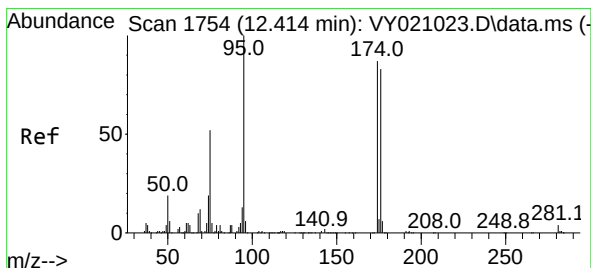
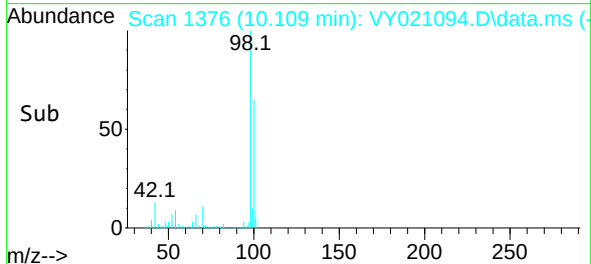
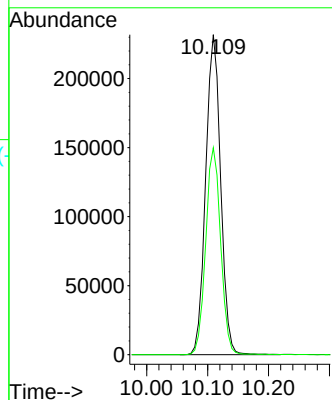
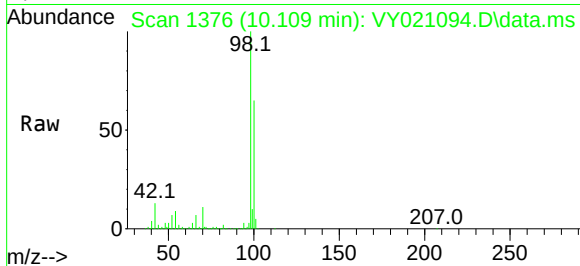




#50
Toluene-d8
Concen: 47.715 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021094.D
Acq: 05 Feb 2025 17:21

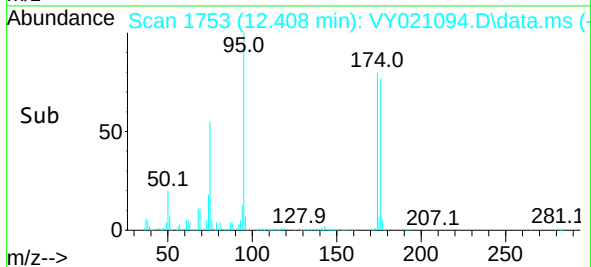
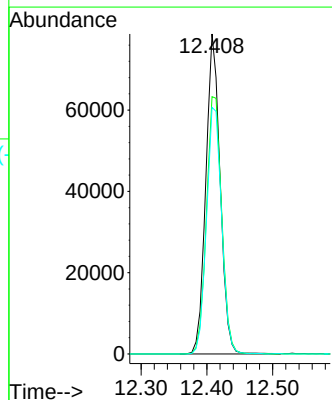
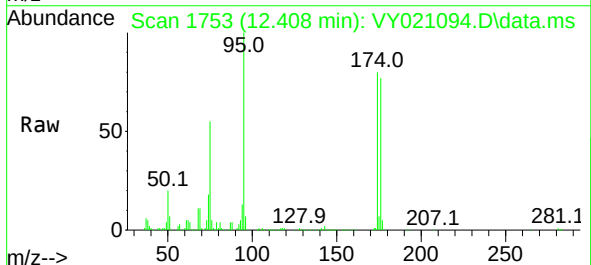
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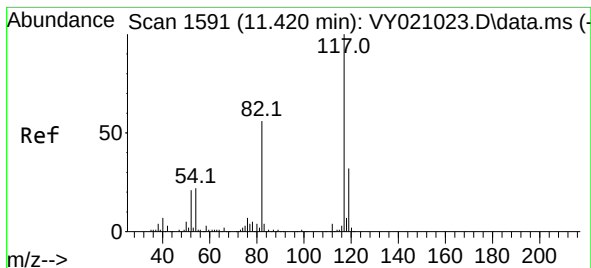
Tgt Ion: 98 Resp: 395590
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 43.913 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021094.D
Acq: 05 Feb 2025 17:21

Tgt Ion: 95 Resp: 118940
Ion Ratio Lower Upper
95 100
174 85.9 0.0 160.0
176 81.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021094.D

Acq: 05 Feb 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-020325

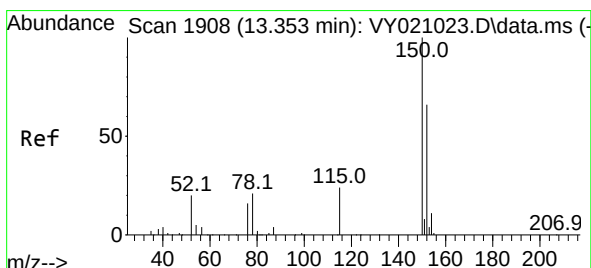
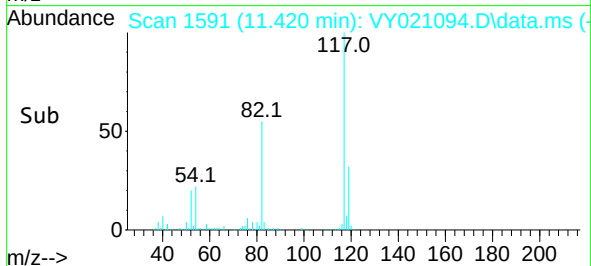
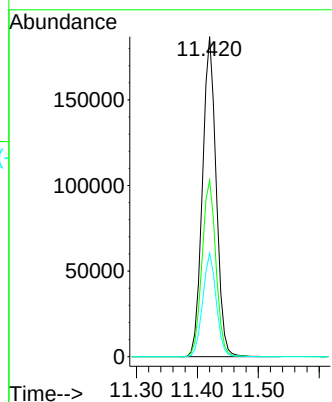
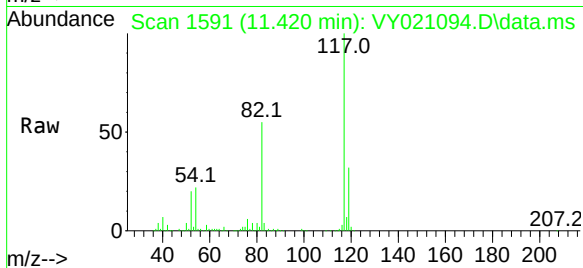
Tgt Ion:117 Resp: 293063

Ion Ratio Lower Upper

117 100

82 55.1 43.8 65.8

119 32.4 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021094.D

Acq: 05 Feb 2025 17:21

Tgt Ion:152 Resp: 112703

Ion Ratio Lower Upper

152 100

115 58.0 30.0 90.0

150 156.6 0.0 344.6

