

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021594.D
 Acq On : 21 Mar 2025 13:05
 Operator : SY/MD
 Sample : Q1611-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200030

Quant Time: Mar 21 23:10:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

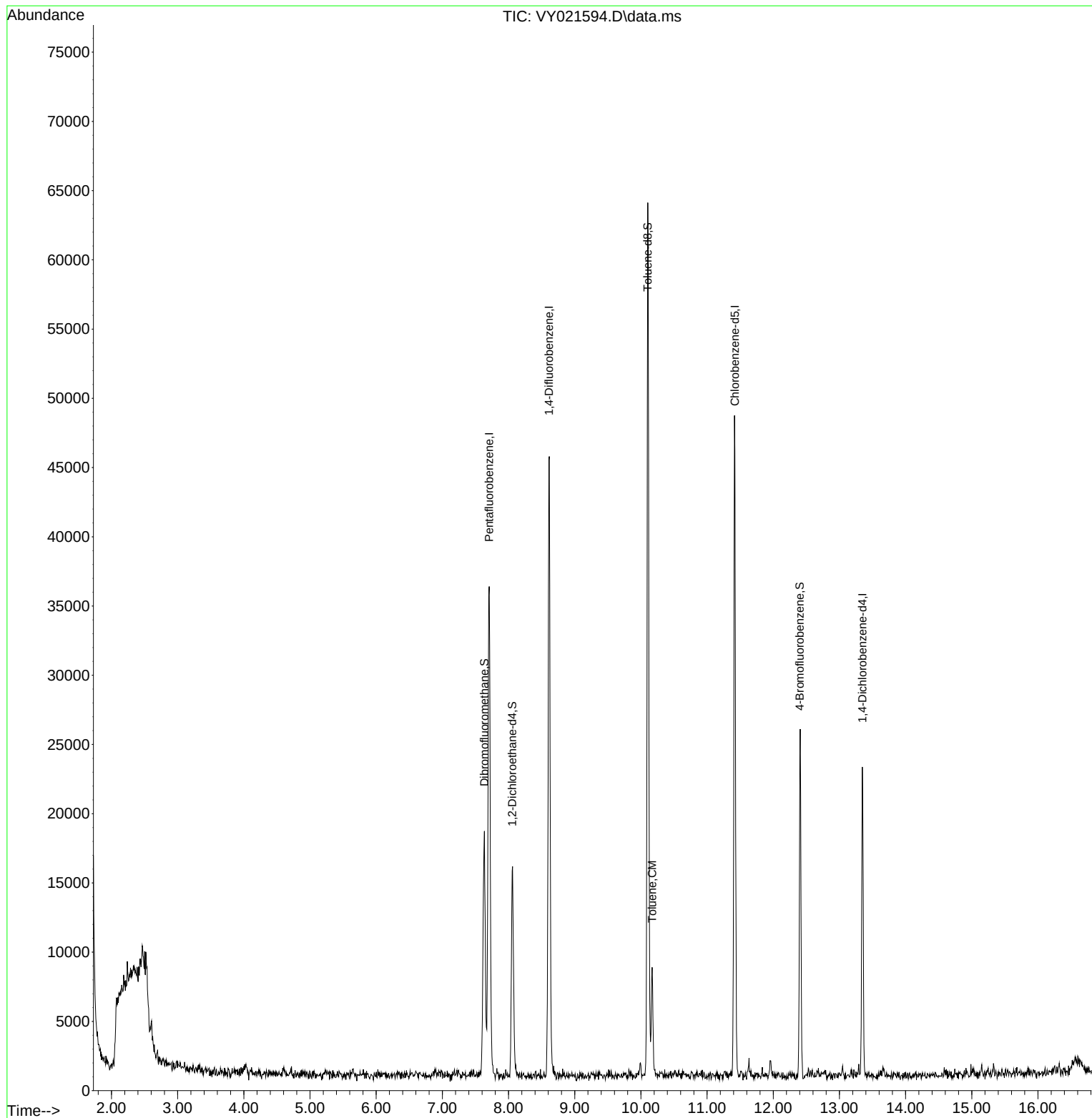
Internal Standards						
1) Pentafluorobenzene	7.707	168	27012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	37967	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	25681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	5401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	11636	40.756	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.520%
35) Dibromofluoromethane	7.634	113	12524	50.184	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.360%
50) Toluene-d8	10.103	98	40934	43.320	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.640%
62) 4-Bromofluorobenzene	12.402	95	7635	23.754	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	47.500%
Target Compounds						
52) Toluene	10.170	92	3136	4.323	ug/l	Qvalue 96

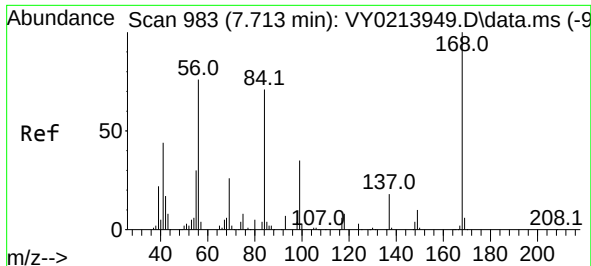
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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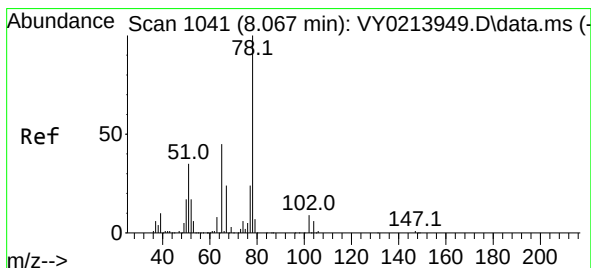
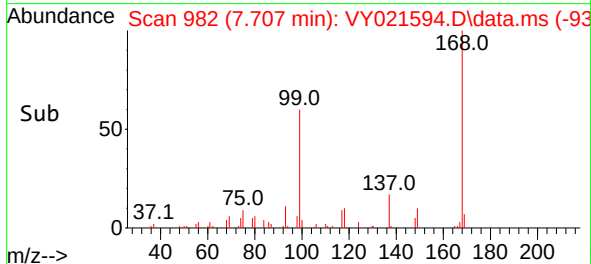
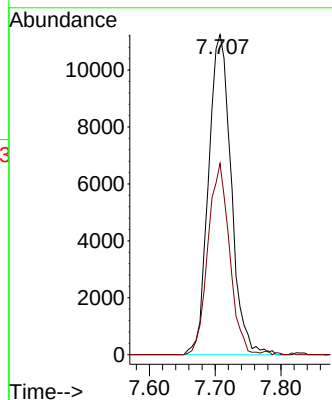
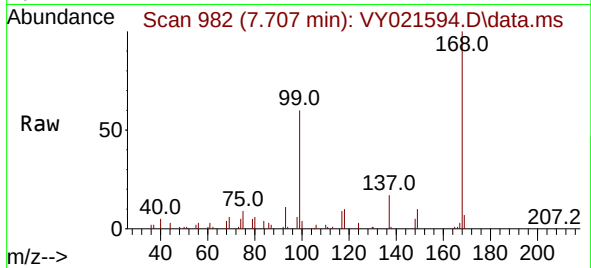




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021594.D
Acq: 21 Mar 2025 13:05

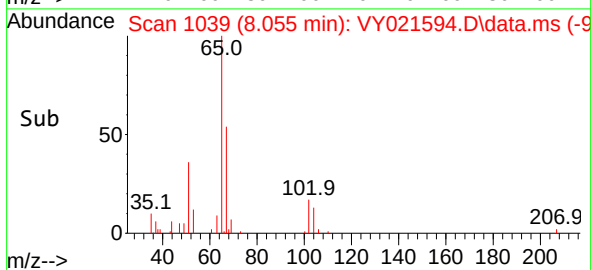
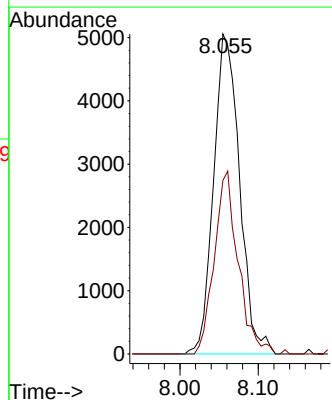
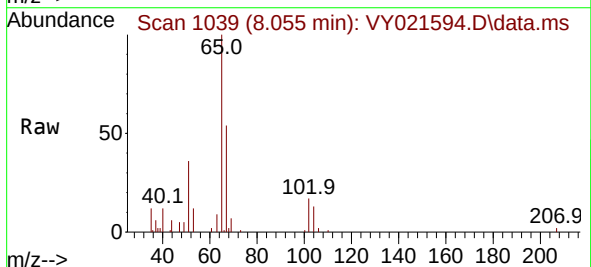
Instrument :
MSVOA_Y
ClientSampleId :
RBR200030

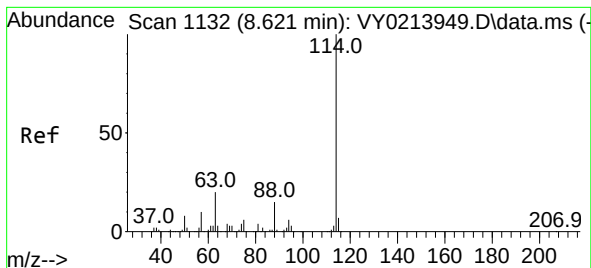
Tgt Ion:168 Resp: 27012
Ion Ratio Lower Upper
168 100
99 59.7 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 40.756 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY021594.D
Acq: 21 Mar 2025 13:05

Tgt Ion: 65 Resp: 11636
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1132

Delta R.T. -0.012 min

Lab File: VY021594.D

Acq: 21 Mar 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

RBR200030

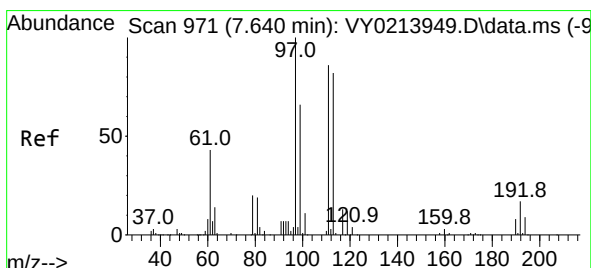
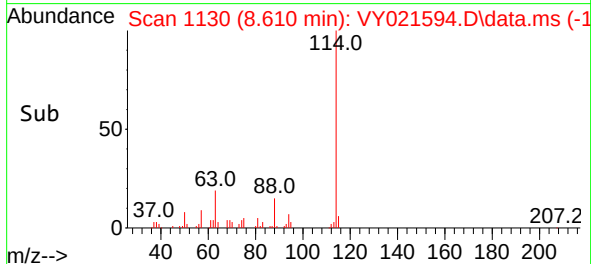
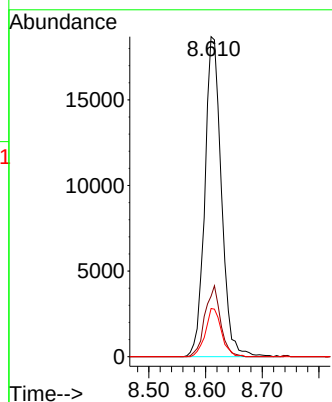
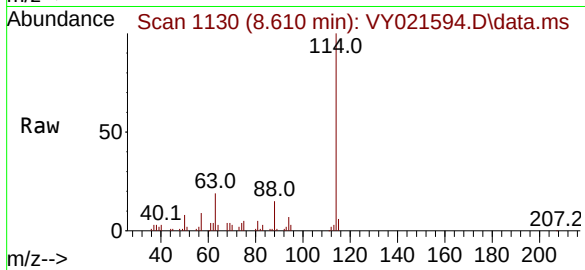
Tgt Ion:114 Resp: 37967

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.8

88 15.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 50.184 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021594.D

Acq: 21 Mar 2025 13:05

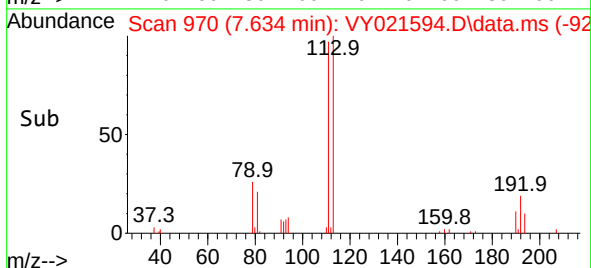
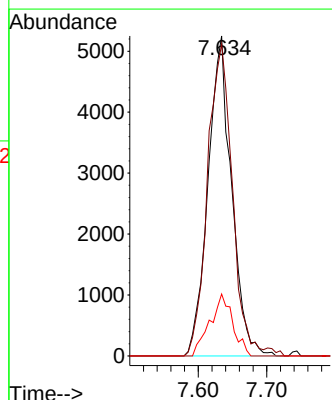
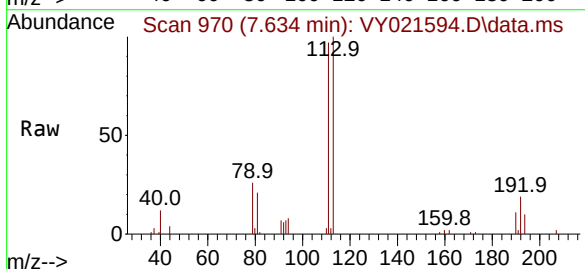
Tgt Ion:113 Resp: 12524

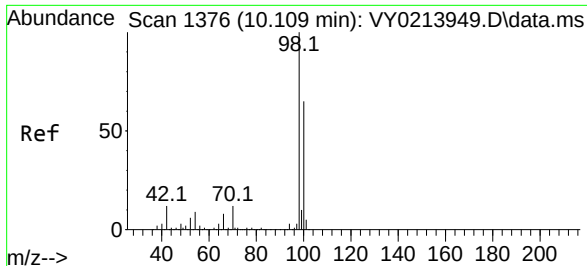
Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

192 18.8 15.9 23.9

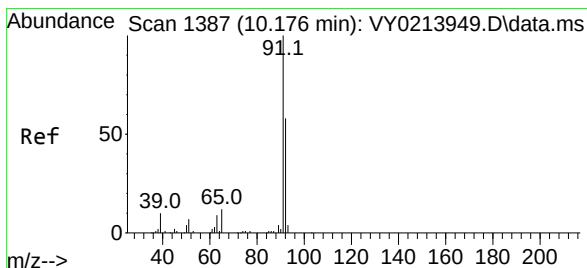
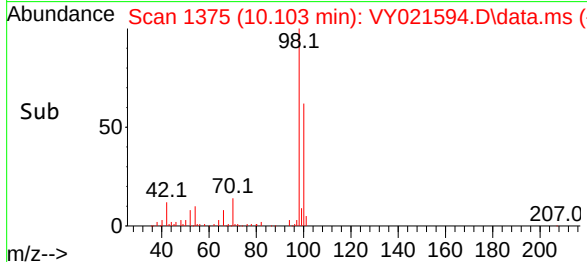
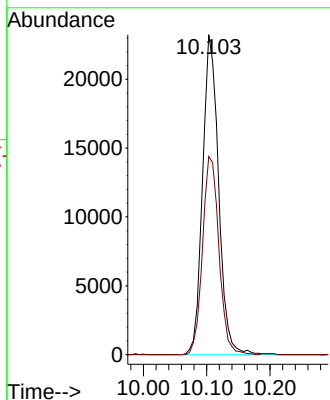
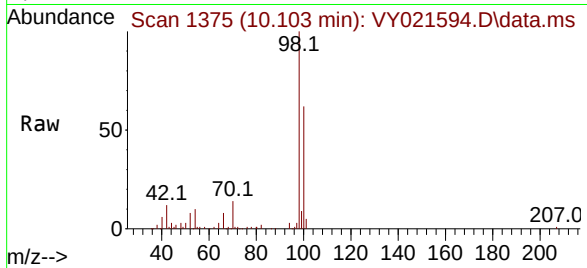




#50
Toluene-d8
Concen: 43.320 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021594.D
Acq: 21 Mar 2025 13:05

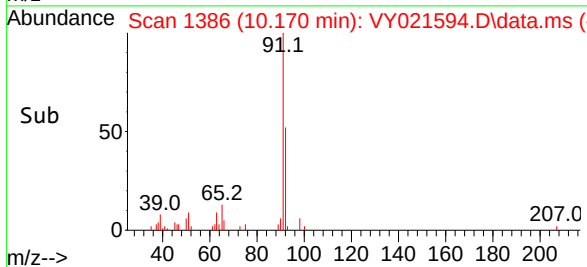
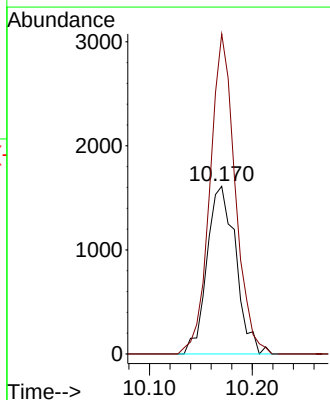
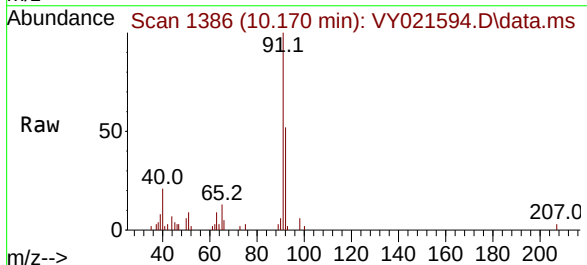
Instrument :
MSVOA_Y
ClientSampleId :
RBR200030

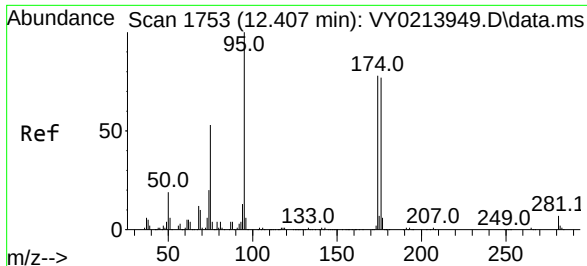
Tgt Ion: 98 Resp: 40934
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#52
Toluene
Concen: 4.323 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021594.D
Acq: 21 Mar 2025 13:05

Tgt Ion: 92 Resp: 3136
Ion Ratio Lower Upper
92 100
91 167.6 138.2 207.2





#62

4-Bromofluorobenzene

Concen: 23.754 ug/l

RT: 12.402 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021594.D

Acq: 21 Mar 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

RBR200030

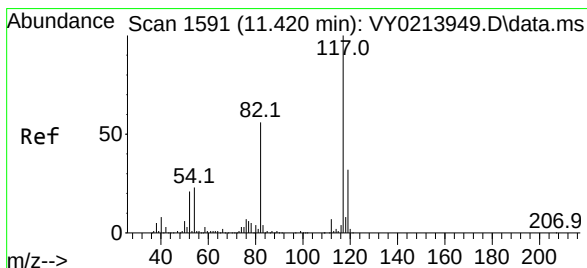
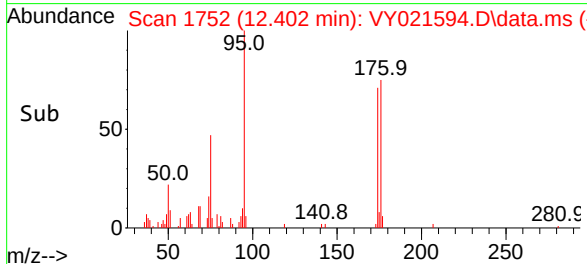
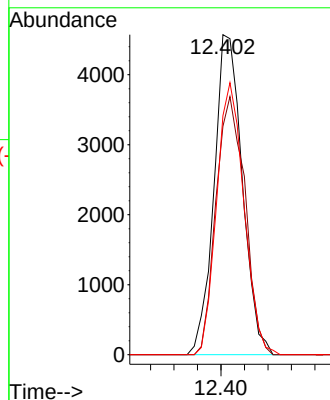
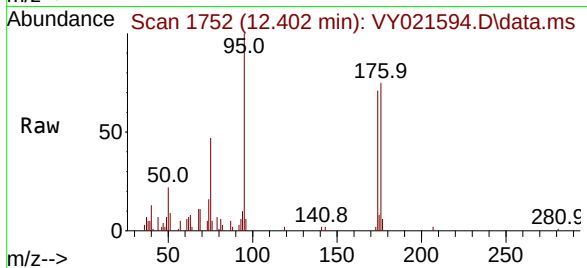
Tgt Ion: 95 Resp: 7635

Ion Ratio Lower Upper

95 100

174 82.6 0.0 165.0

176 82.1 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021594.D

Acq: 21 Mar 2025 13:05

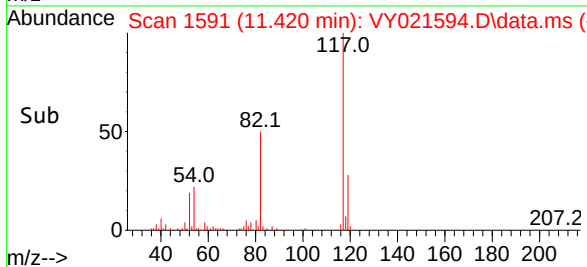
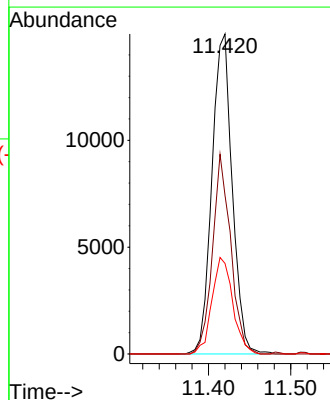
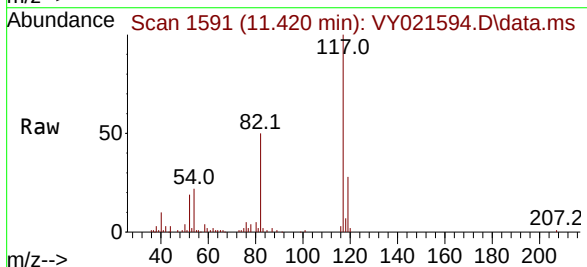
Tgt Ion: 117 Resp: 25681

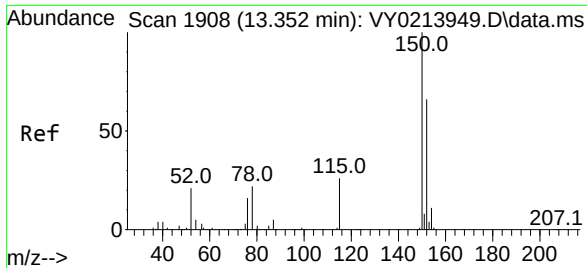
Ion Ratio Lower Upper

117 100

82 49.6 44.6 67.0

119 28.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021594.D

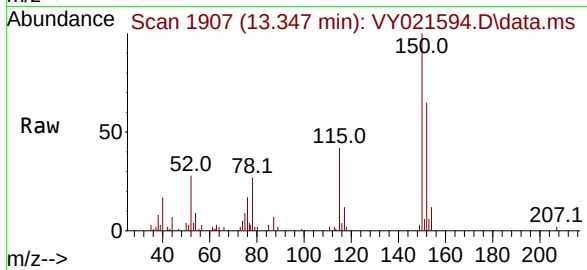
Acq: 21 Mar 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

RBR200030



Tgt Ion:152 Resp: 5401

Ion Ratio Lower Upper

152 100

115 59.8 29.0 87.0

150 157.6 0.0 347.2

