

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021381.D
 Acq On : 28 Feb 2025 15:31
 Operator : SY/MD
 Sample : Q1422-02
 Misc : 8.94g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-154-SB02

Quant Time: Feb 28 22:20:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	137587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	246433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	216935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	82177	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	87320	55.946	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.900%
35) Dibromofluoromethane	7.634	113	87068	53.891	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.780%
50) Toluene-d8	10.109	98	296249	47.445	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.900%
62) 4-Bromofluorobenzene	12.407	95	86661	41.240	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.480%

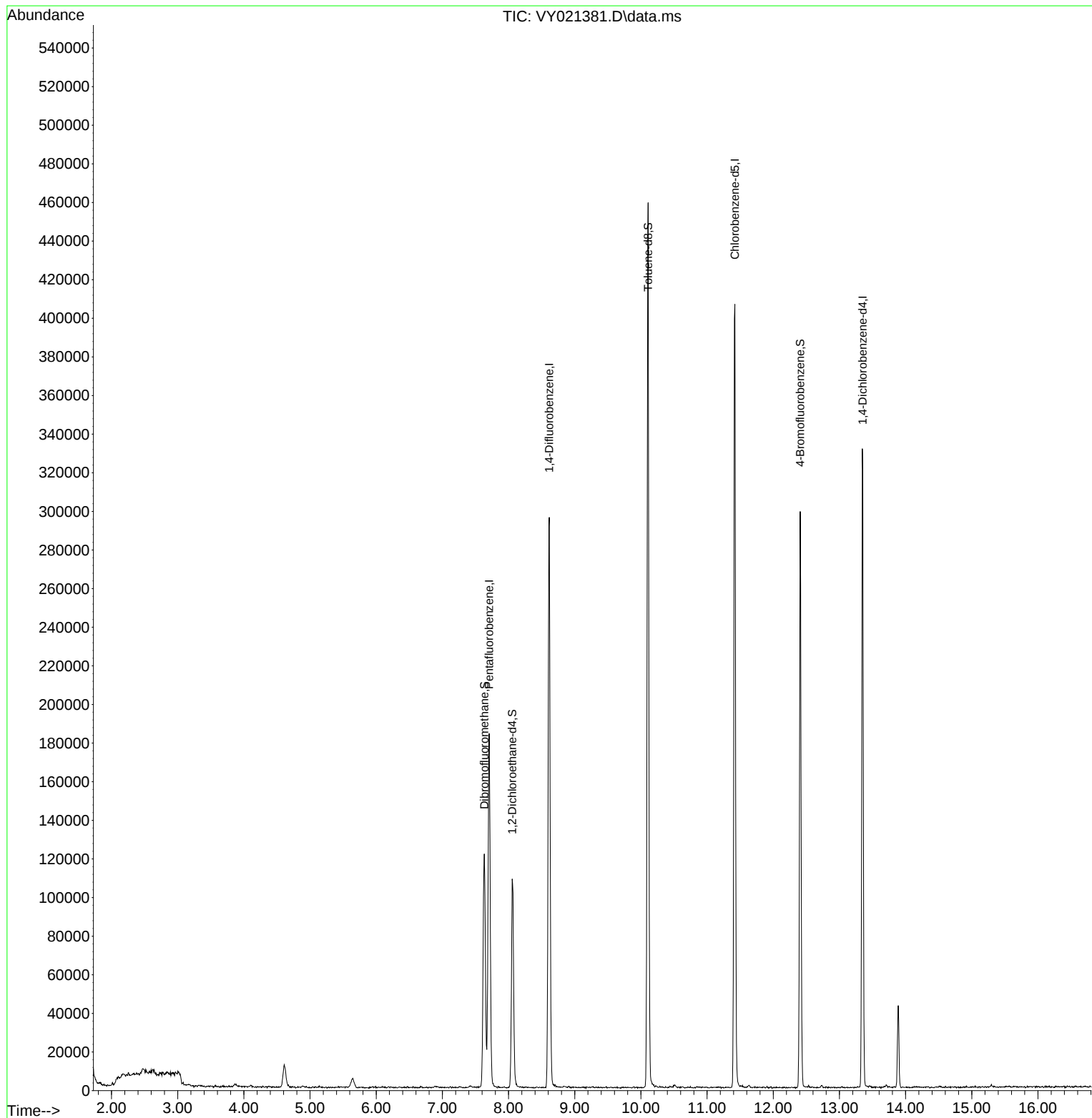
Target Compounds	Qvalue

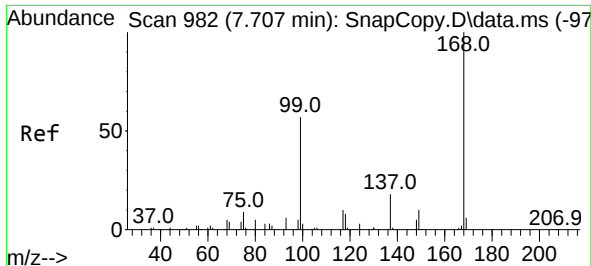
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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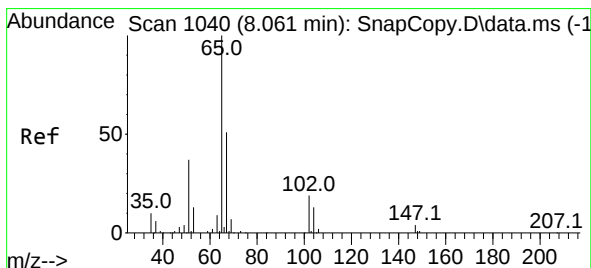
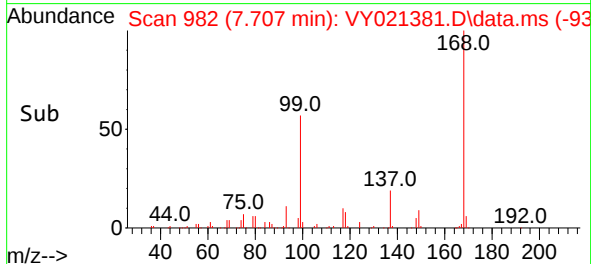
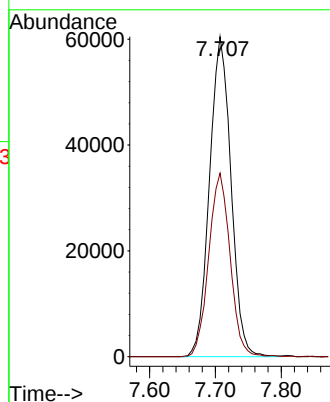
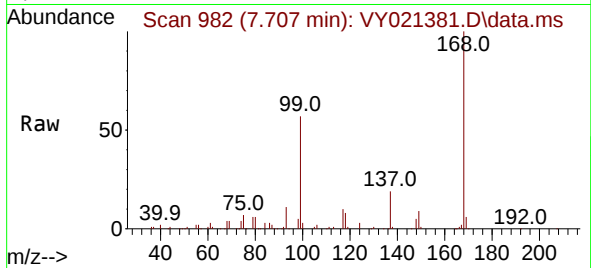




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021381.D
Acq: 28 Feb 2025 15:31

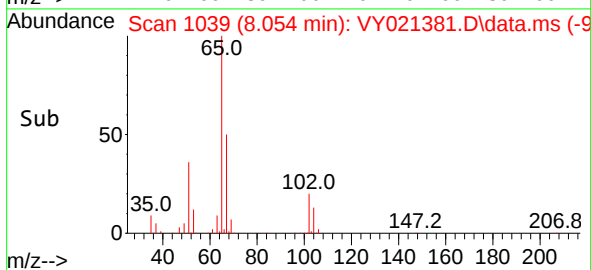
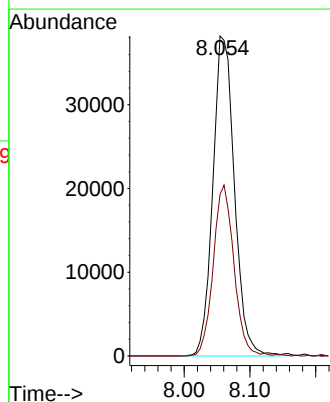
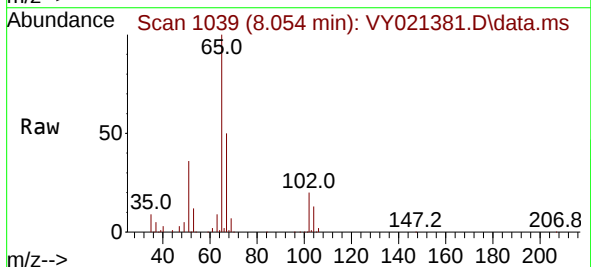
Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB02

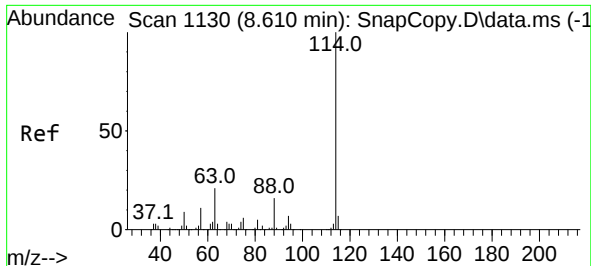
Tgt Ion:168 Resp: 137587
Ion Ratio Lower Upper
168 100
99 57.4 47.1 70.7



#33
1,2-Dichloroethane-d4
Concen: 55.946 ug/l
RT: 8.054 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021381.D
Acq: 28 Feb 2025 15:31

Tgt Ion: 65 Resp: 87320
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY021381.D

Acq: 28 Feb 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

B-154-SB02

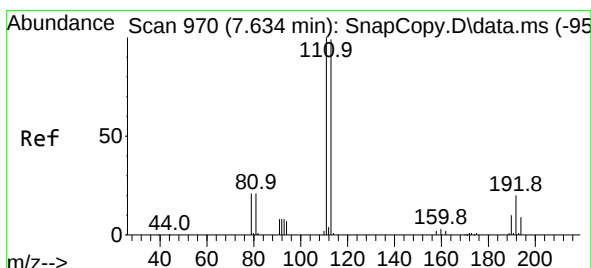
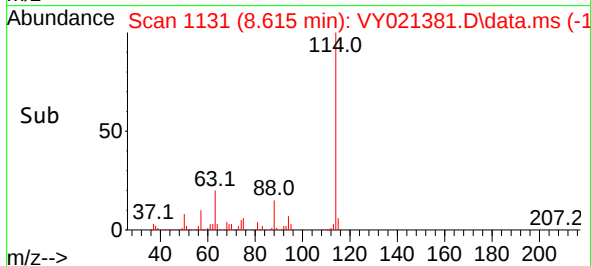
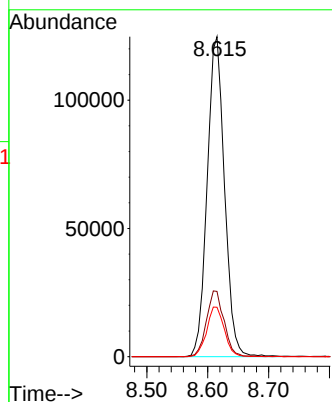
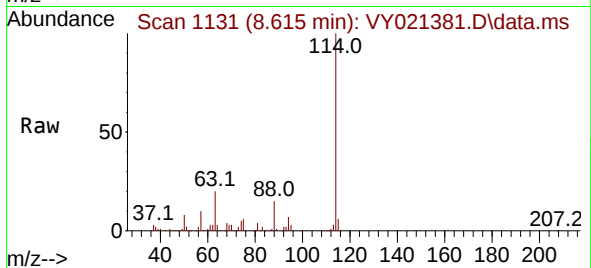
Tgt Ion:114 Resp: 246433

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.2

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 53.891 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021381.D

Acq: 28 Feb 2025 15:31

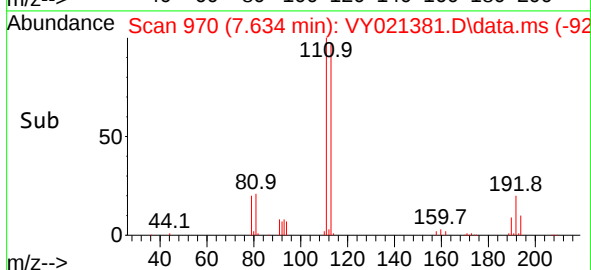
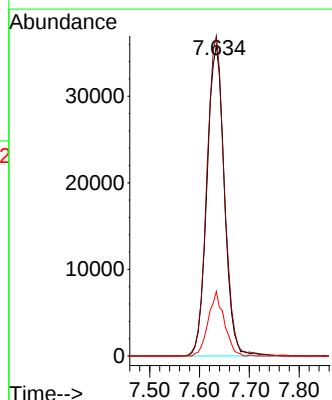
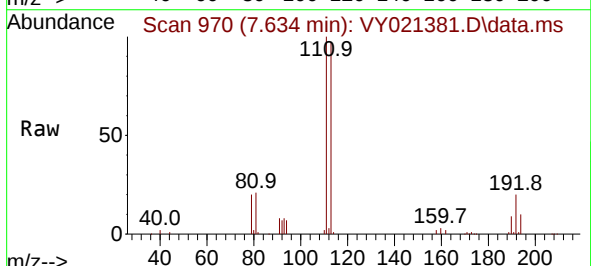
Tgt Ion:113 Resp: 87068

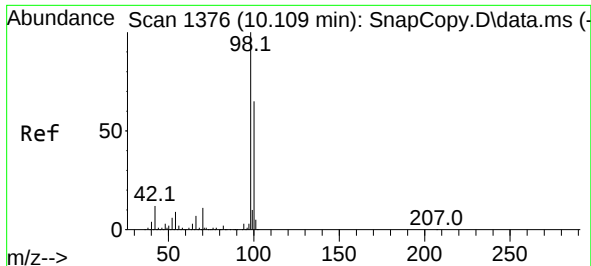
Ion Ratio Lower Upper

113 100

111 102.9 81.0 121.6

192 19.1 15.8 23.8

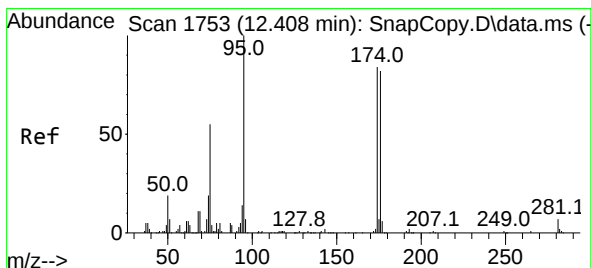
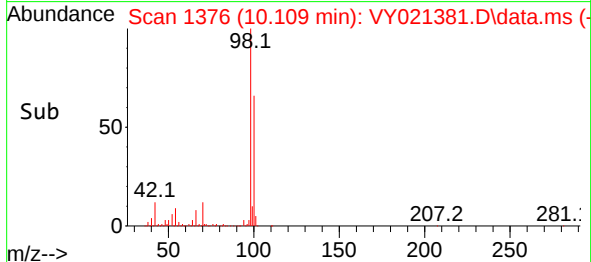
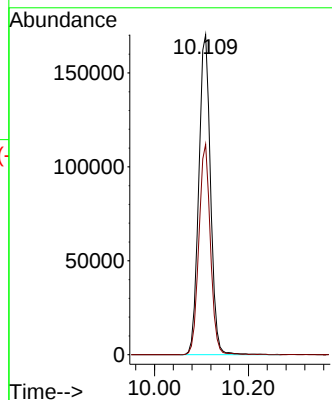
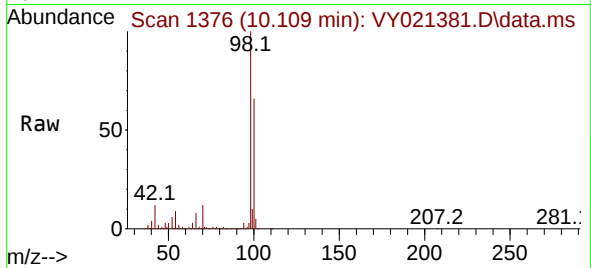




#50
Toluene-d8
Concen: 47.445 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021381.D
Acq: 28 Feb 2025 15:31

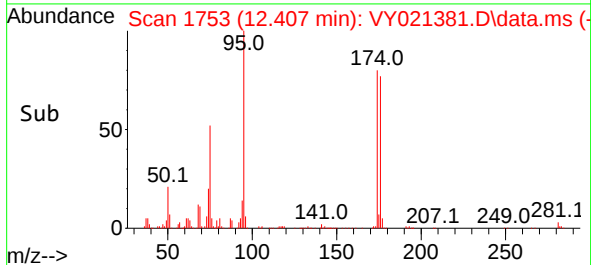
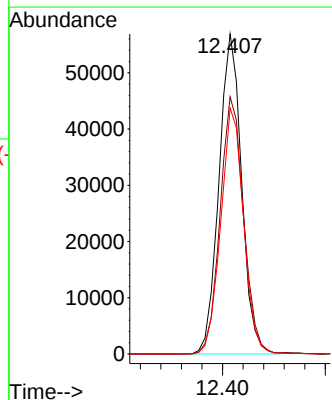
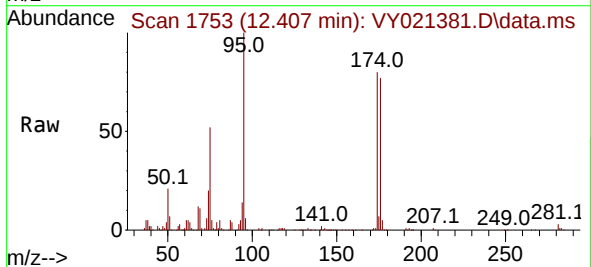
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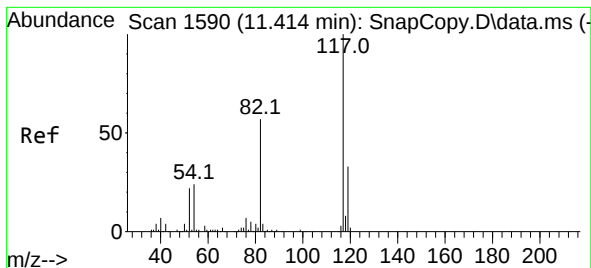
Tgt Ion: 98 Resp: 296249
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 41.240 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021381.D
Acq: 28 Feb 2025 15:31

Tgt Ion: 95 Resp: 86661
Ion Ratio Lower Upper
95 100
174 83.3 0.0 168.0
176 77.6 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021381.D

Acq: 28 Feb 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

B-154-SB02

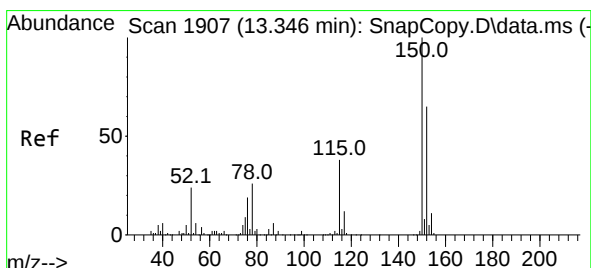
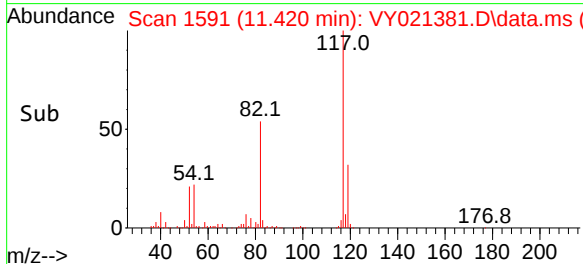
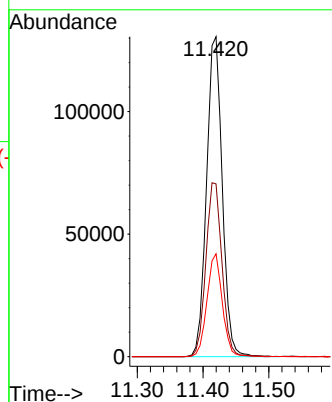
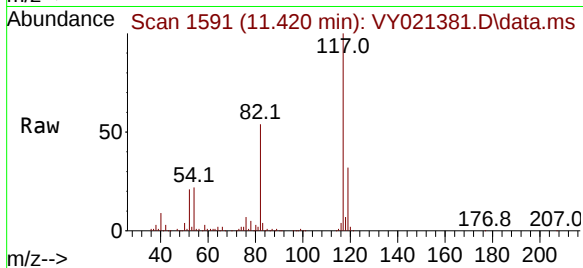
Tgt Ion:117 Resp: 216935

Ion Ratio Lower Upper

117 100

82 54.0 46.2 69.4

119 32.2 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021381.D

Acq: 28 Feb 2025 15:31

Tgt Ion:152 Resp: 82177

Ion Ratio Lower Upper

152 100

115 57.6 29.3 88.0

150 157.2 0.0 347.4

