

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080824\
 Data File : VY018951.D
 Acq On : 09 Aug 2024 01:17
 Operator : SY/MD
 Sample : P3518-11
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-06-080724

Quant Time: Aug 09 05:15:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	81851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	134361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	93970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	28180	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	34341	47.786	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.580%
35) Dibromofluoromethane	7.628	113	39878	46.470	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.940%
50) Toluene-d8	10.109	98	150588	45.686	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.380%
62) 4-Bromofluorobenzene	12.407	95	29855	30.529	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.060%

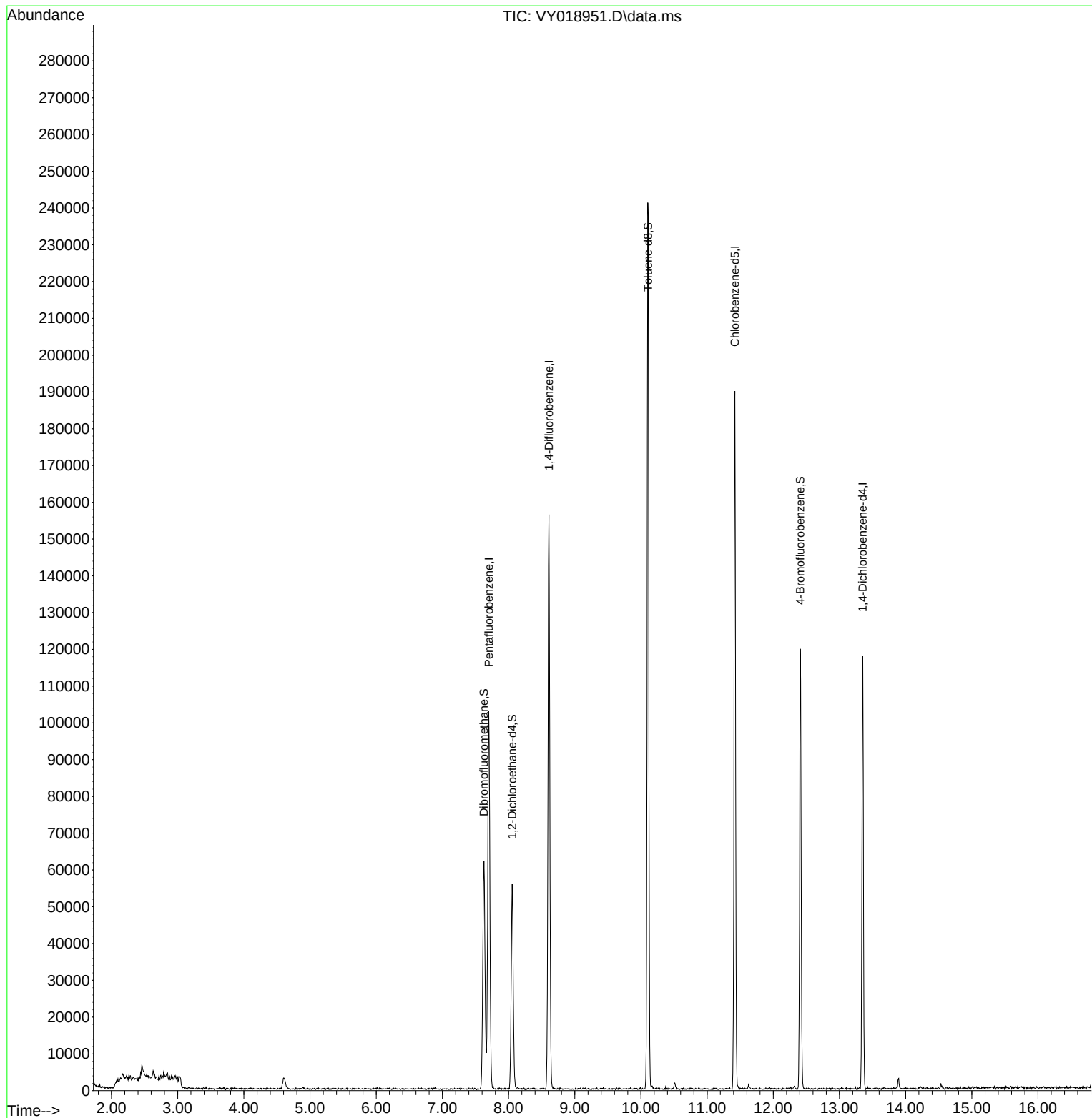
Target Compounds	Qvalue

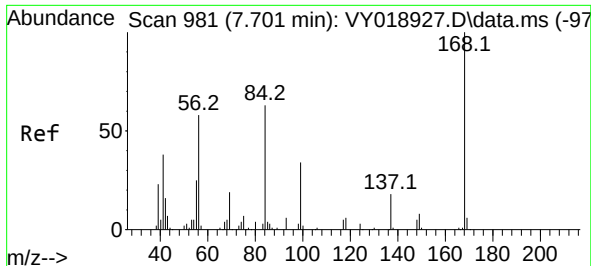
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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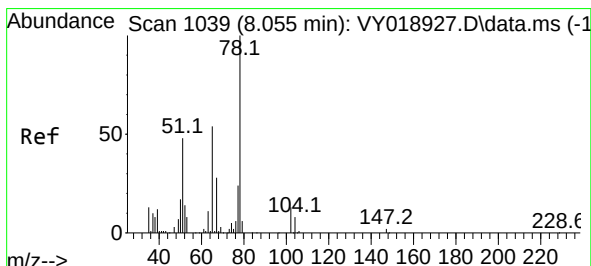
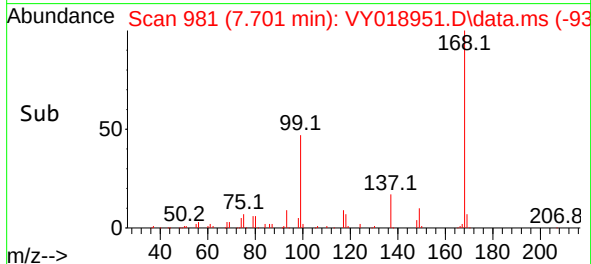
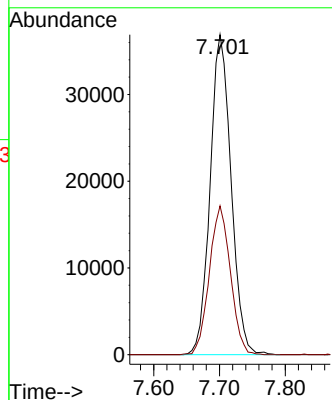
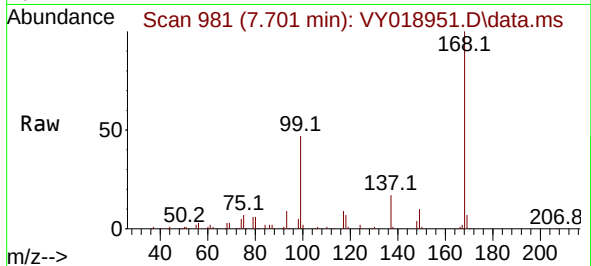




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY018951.D
Acq: 09 Aug 2024 01:17

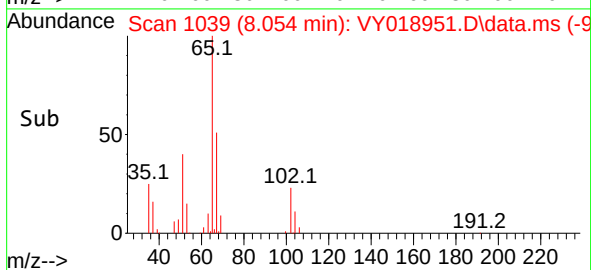
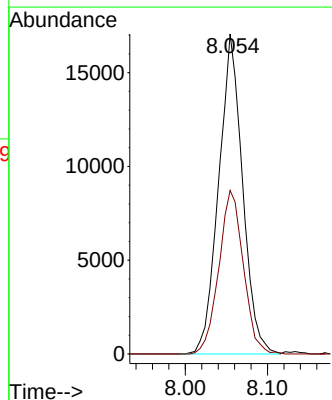
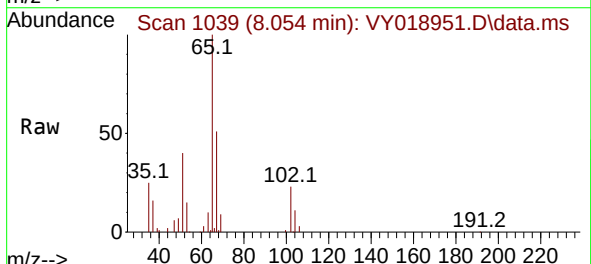
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-06-080724

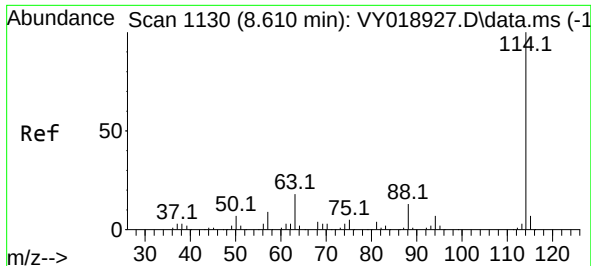
Tgt Ion:168 Resp: 81851
Ion Ratio Lower Upper
168 100
99 46.5 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 47.786 ug/l
RT: 8.054 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY018951.D
Acq: 09 Aug 2024 01:17

Tgt Ion: 65 Resp: 34341
Ion Ratio Lower Upper
65 100
67 52.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY018951.D

Acq: 09 Aug 2024 01:17

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-06-080724

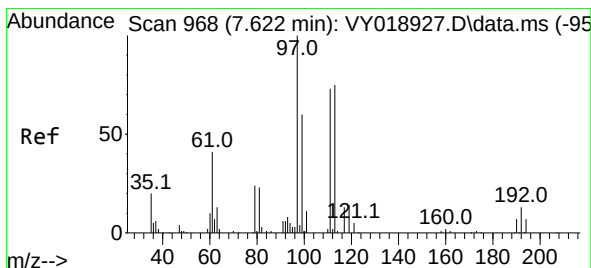
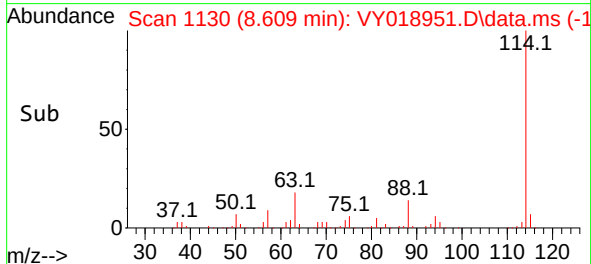
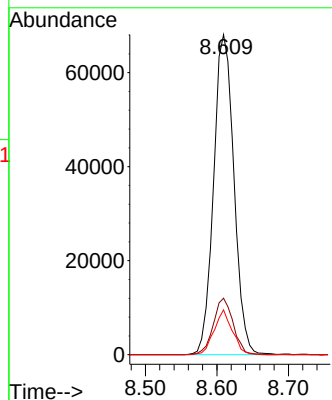
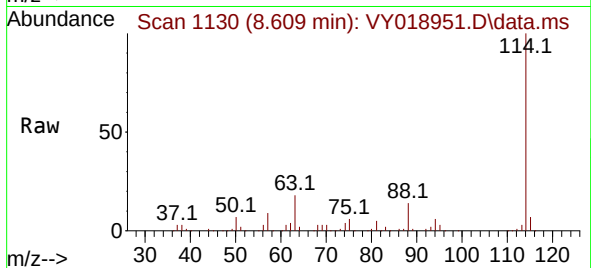
Tgt Ion:114 Resp: 134361

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 14.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.470 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY018951.D

Acq: 09 Aug 2024 01:17

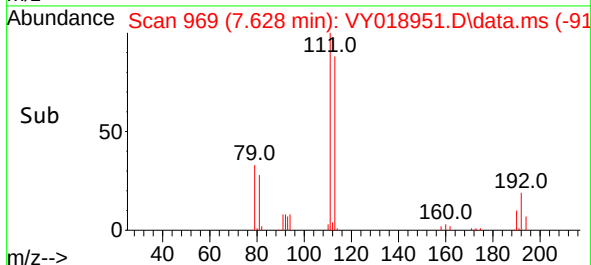
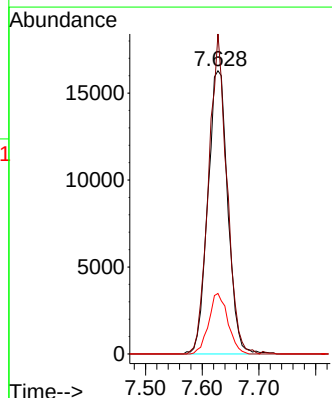
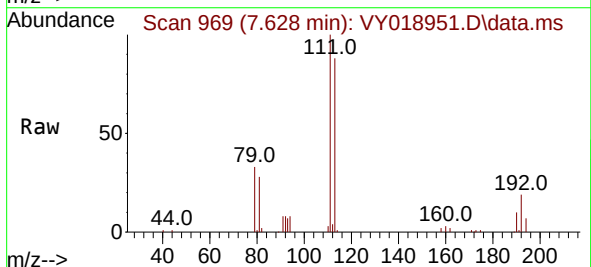
Tgt Ion:113 Resp: 39878

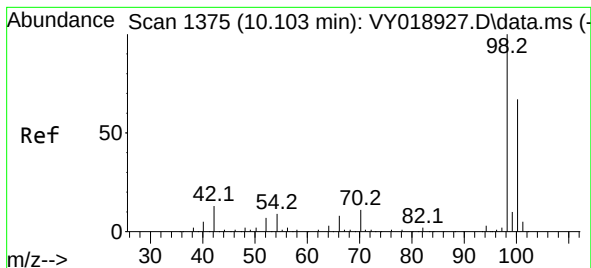
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

192 20.5 15.9 23.9





#50

Toluene-d8

Concen: 45.686 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018951.D

Acq: 09 Aug 2024 01:17

Instrument :

MSVOA_Y

ClientSampleId :

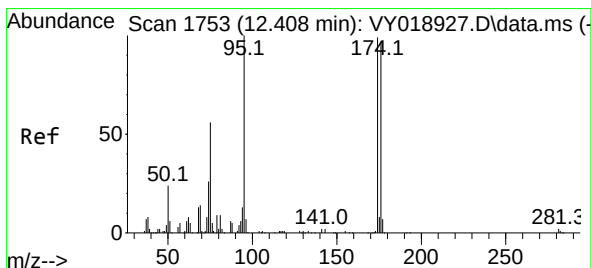
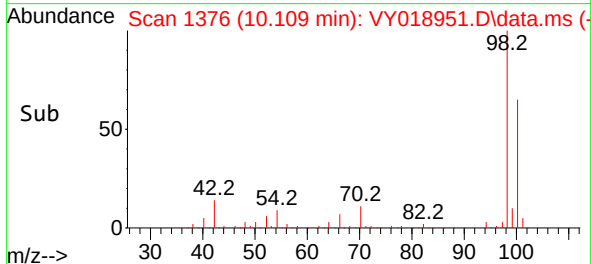
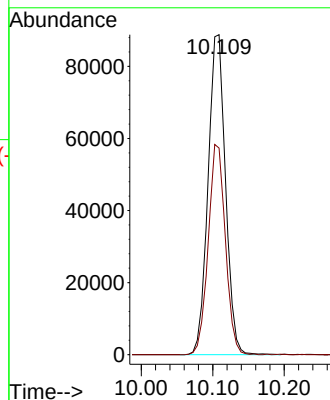
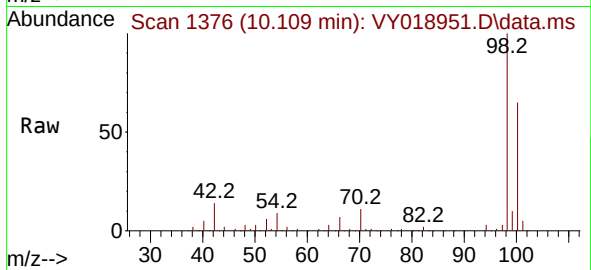
OU4-TS-06-080724

Tgt Ion: 98 Resp: 150588

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 30.529 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY018951.D

Acq: 09 Aug 2024 01:17

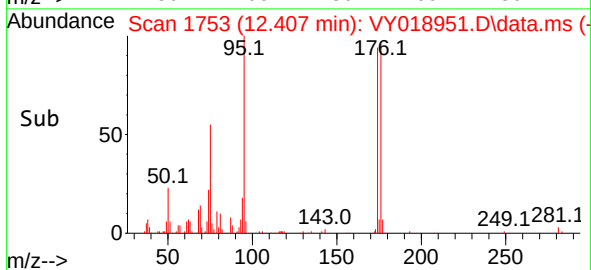
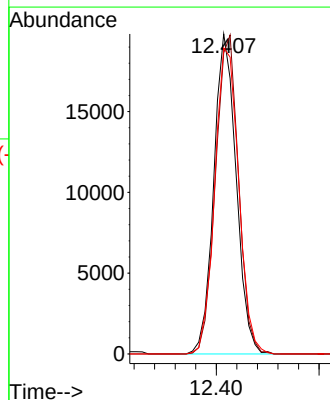
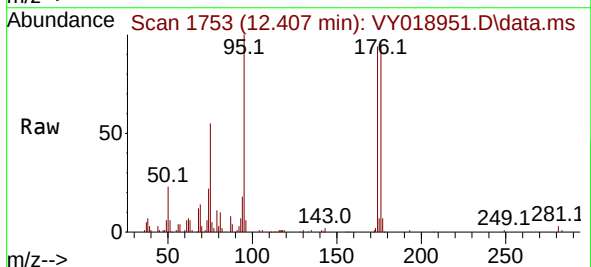
Tgt Ion: 95 Resp: 29855

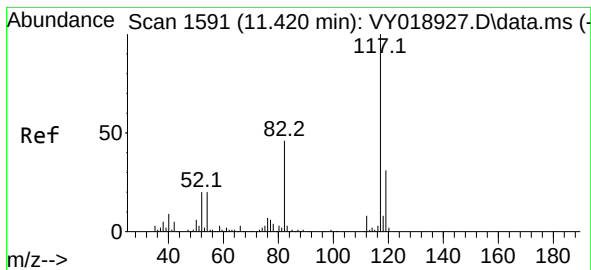
Ion Ratio Lower Upper

95 100

174 102.4 0.0 175.6

176 102.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018951.D

Acq: 09 Aug 2024 01:17

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-06-080724

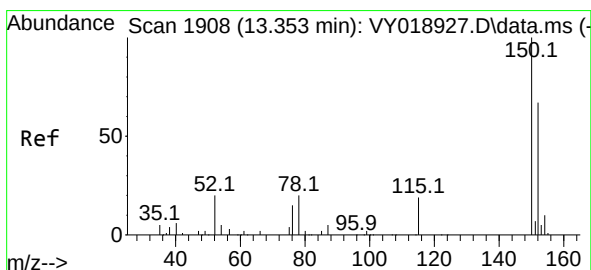
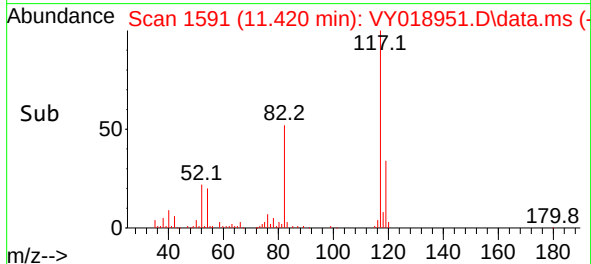
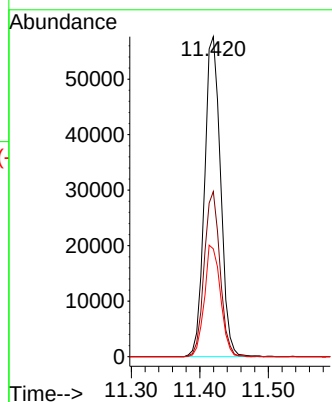
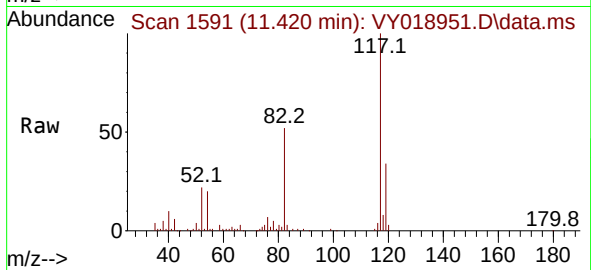
Tgt Ion:117 Resp: 93970

Ion Ratio Lower Upper

117 100

82 51.6 42.4 63.6

119 33.7 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY018951.D

Acq: 09 Aug 2024 01:17

Tgt Ion:152 Resp: 28180

Ion Ratio Lower Upper

152 100

115 51.4 28.2 84.7

150 153.4 0.0 345.6

