

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032524\
 Data File : VY017752.D
 Acq On : 25 Mar 2024 15:11
 Operator : SY/MD
 Sample : P1847-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-032224

Quant Time: Mar 26 03:34:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032224S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 04:03:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	37653	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.703	114	51213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	35377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	8537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	11958	36.454	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.900%
35) Dibromofluoromethane	7.728	113	15799	51.609	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.220%
50) Toluene-d8	10.191	98	54599	46.601	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.200%
62) 4-Bromofluorobenzene	12.495	95	9621	27.347	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.700%

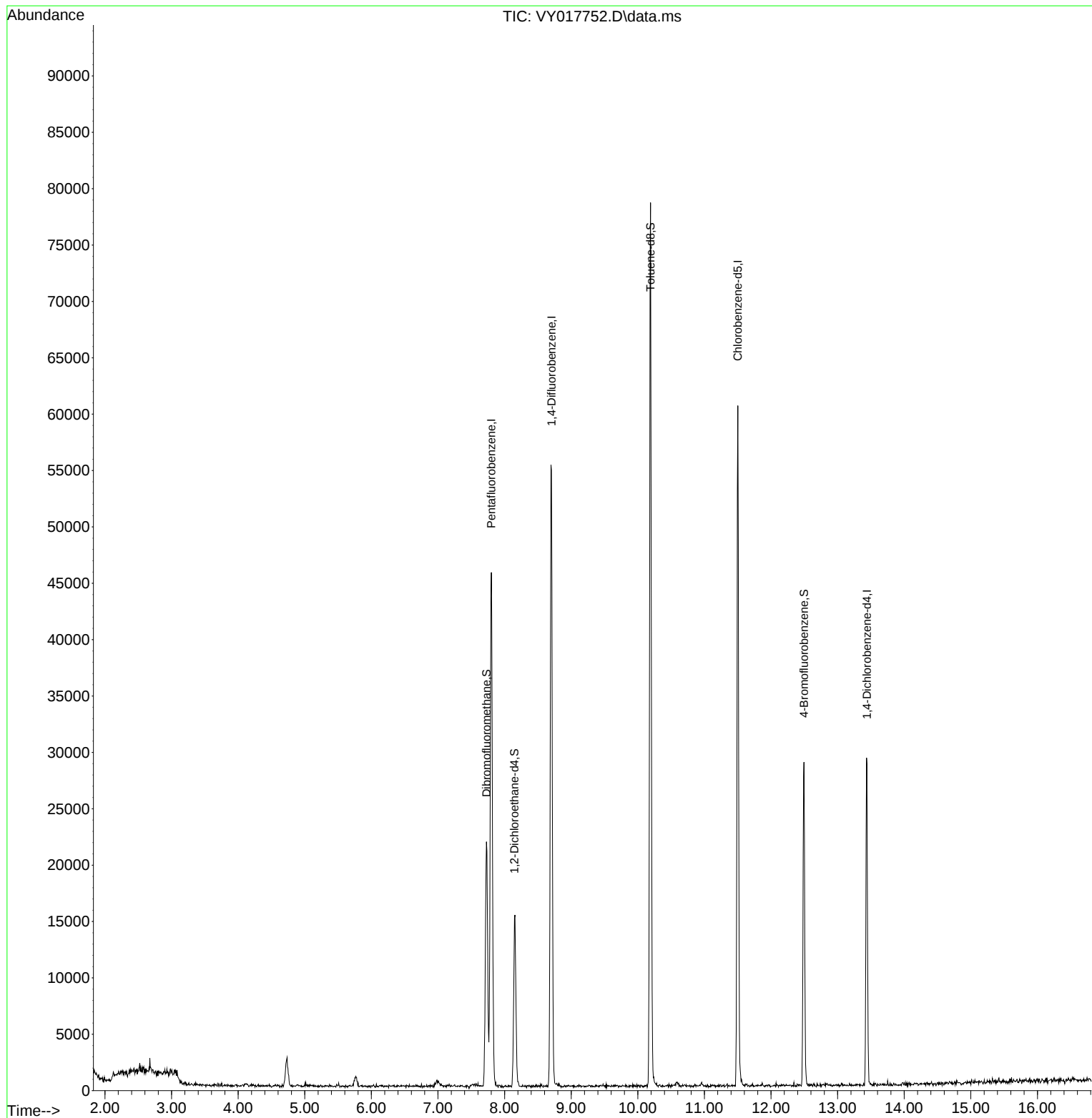
Target Compounds Qvalue

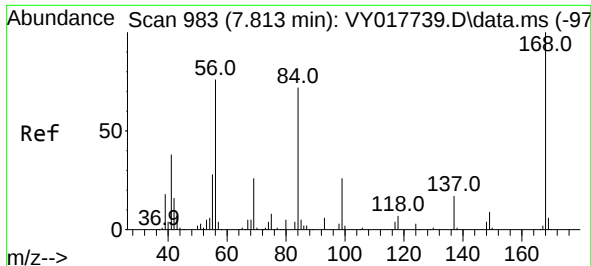
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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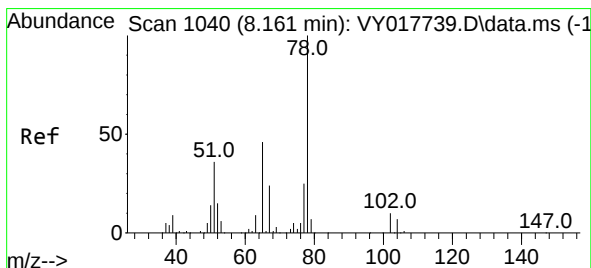
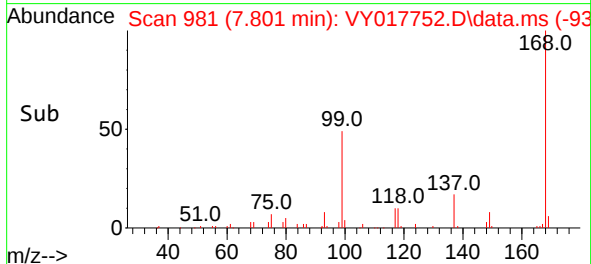
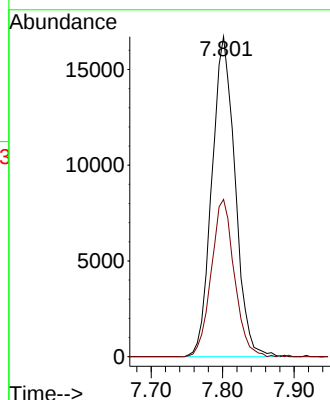
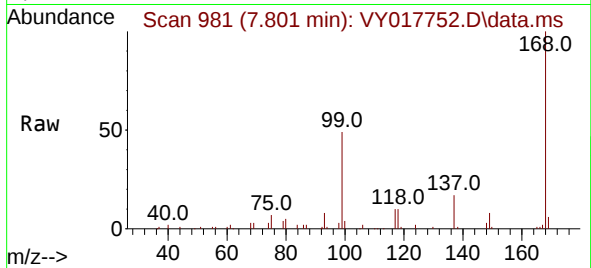




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017752.D
Acq: 25 Mar 2024 15:11

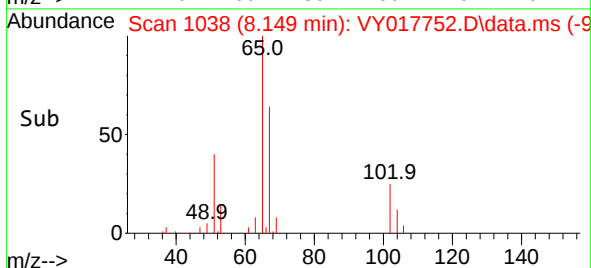
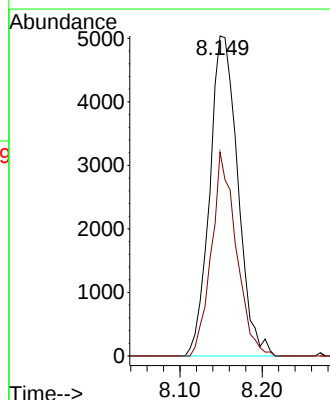
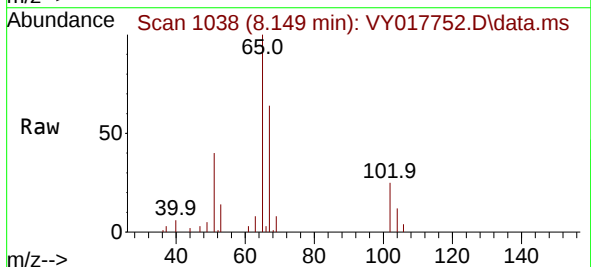
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-032224

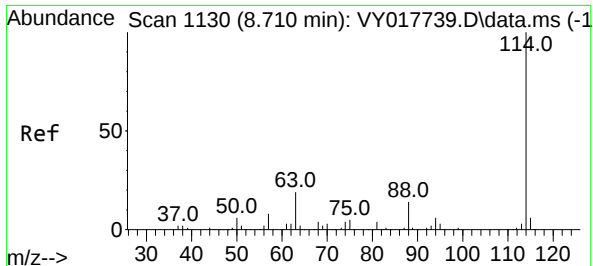
Tgt Ion:168 Resp: 37653
Ion Ratio Lower Upper
168 100
99 49.2 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 36.454 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.012 min
Lab File: VY017752.D
Acq: 25 Mar 2024 15:11

Tgt Ion: 65 Resp: 11958
Ion Ratio Lower Upper
65 100
67 56.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY017752.D

Acq: 25 Mar 2024 15:11

Instrument :

MSVOA_Y

ClientSampleId :

SU-02-032224

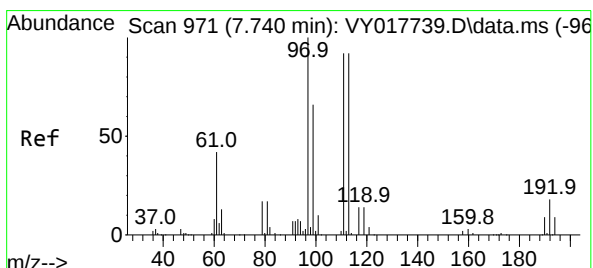
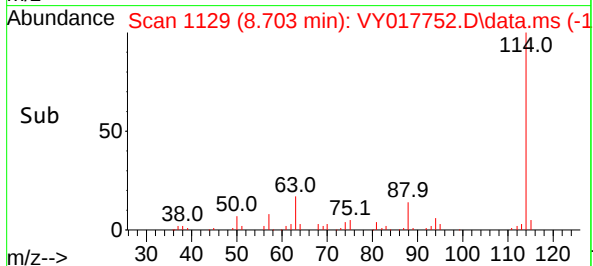
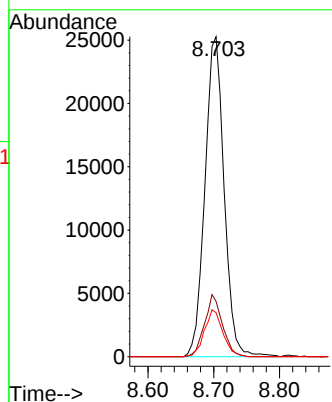
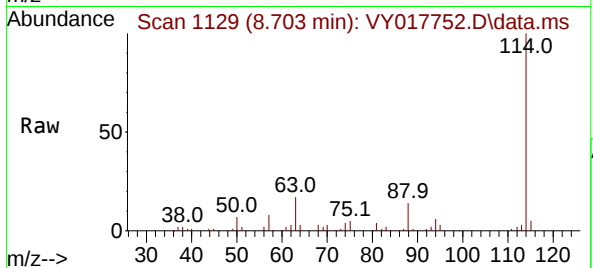
Tgt Ion:114 Resp: 51213

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 13.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.609 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY017752.D

Acq: 25 Mar 2024 15:11

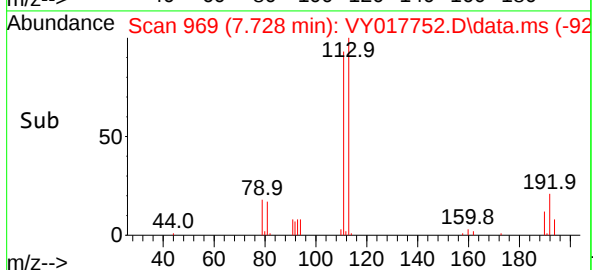
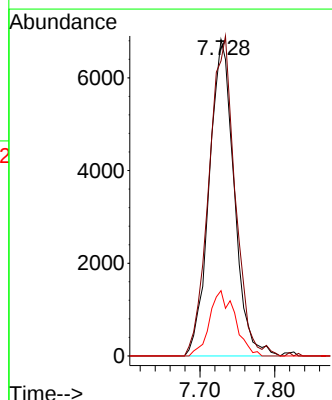
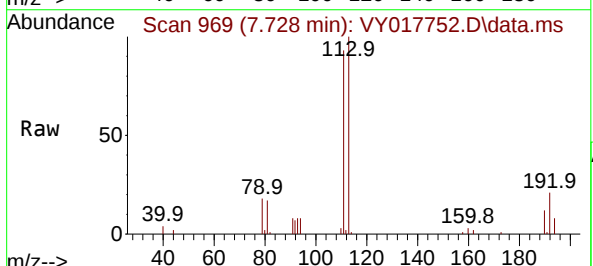
Tgt Ion:113 Resp: 15799

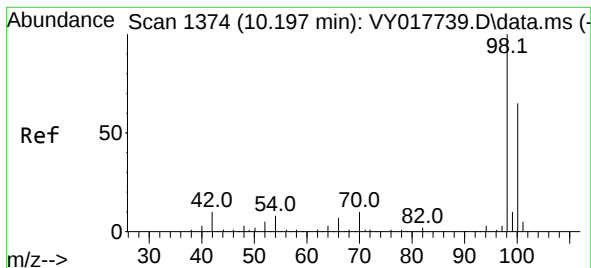
Ion Ratio Lower Upper

113 100

111 105.9 82.2 123.4

192 21.1 15.9 23.9





#50

Toluene-d8

Concen: 46.601 ug/l

RT: 10.191 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017752.D

Acq: 25 Mar 2024 15:11

Instrument :

MSVOA_Y

ClientSampleId :

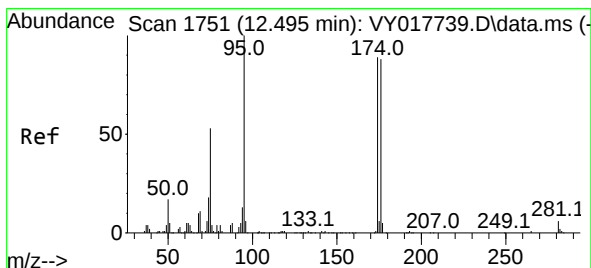
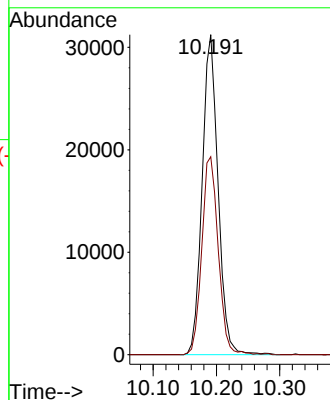
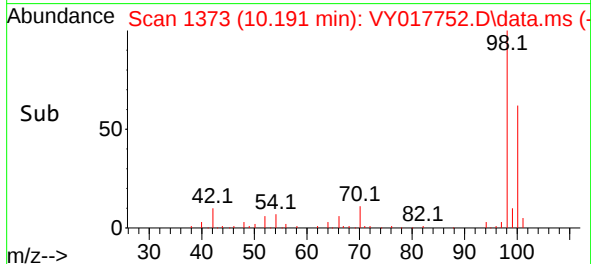
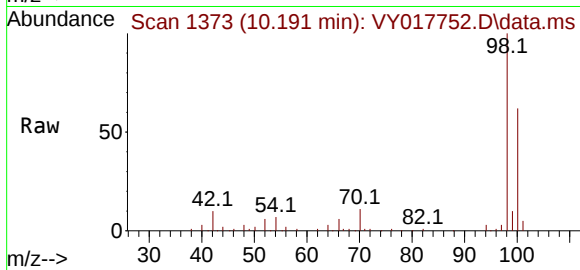
SU-02-032224

Tgt Ion: 98 Resp: 54599

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 27.347 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.000 min

Lab File: VY017752.D

Acq: 25 Mar 2024 15:11

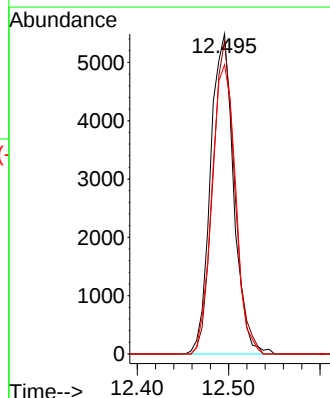
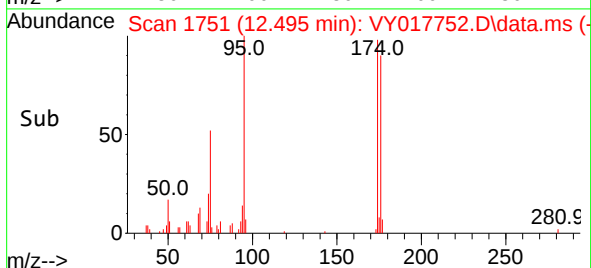
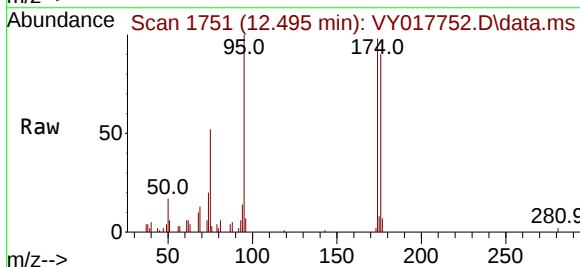
Tgt Ion: 95 Resp: 9621

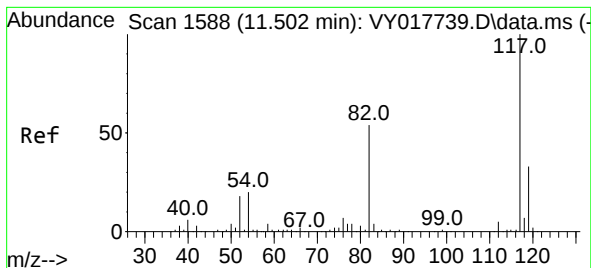
Ion Ratio Lower Upper

95 100

174 93.2 0.0 175.6

176 92.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY017752.D

Acq: 25 Mar 2024 15:11

Instrument :

MSVOA_Y

ClientSampleId :

SU-02-032224

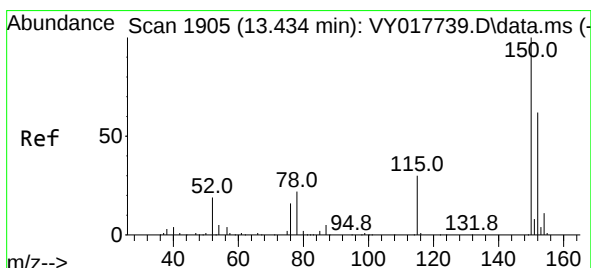
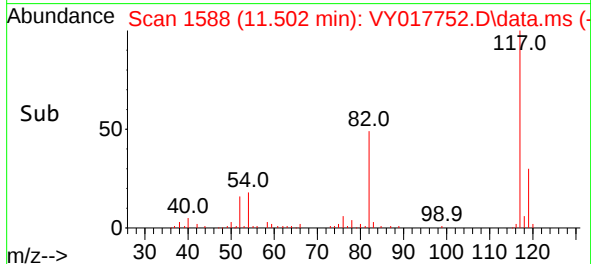
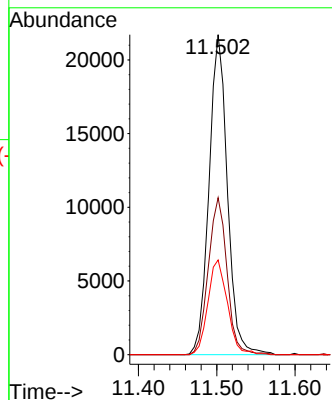
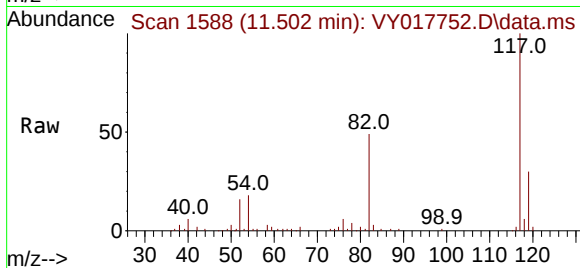
Tgt Ion:117 Resp: 35377

Ion Ratio Lower Upper

117 100

82 49.0 42.4 63.6

119 29.6 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY017752.D

Acq: 25 Mar 2024 15:11

Tgt Ion:152 Resp: 8537

Ion Ratio Lower Upper

152 100

115 52.7 28.2 84.7

150 154.4 0.0 345.6

