

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013124\
 Data File : VY017160.D
 Acq On : 31 Jan 2024 16:27
 Operator : SY/MD
 Sample : P1311-07
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Jan 31 23:00:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 04:44:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	3618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	5250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	3487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	502	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	1176	33.361	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	66.720%
35) Dibromofluoromethane	7.734	113	1211	38.219	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.440%
50) Toluene-d8	10.191	98	4237	35.403	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	70.800%
62) 4-Bromofluorobenzene	12.501	95	554	15.027	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	30.060%

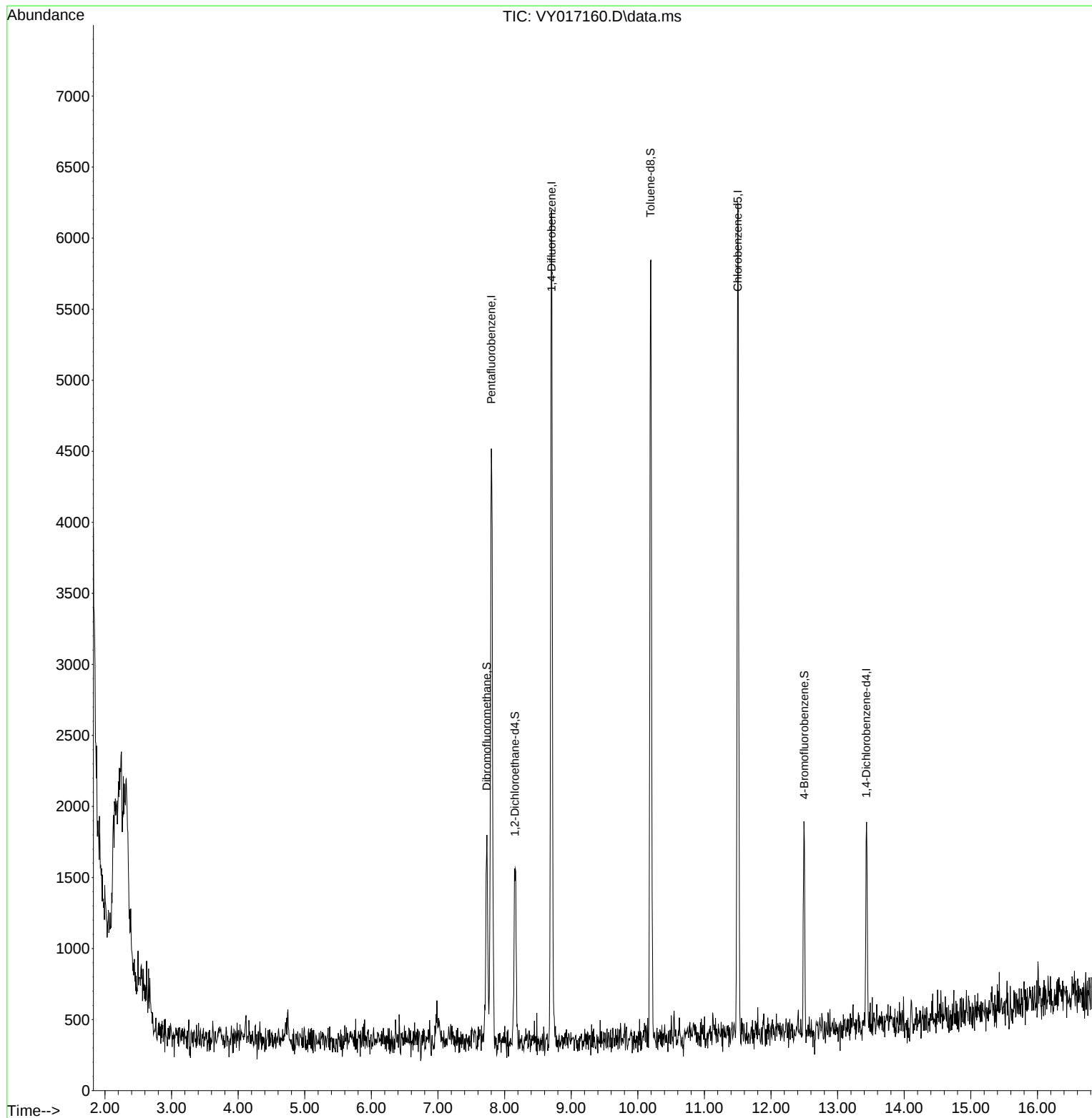
Target Compounds	Qvalue

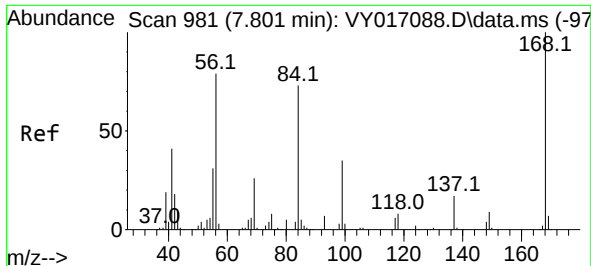
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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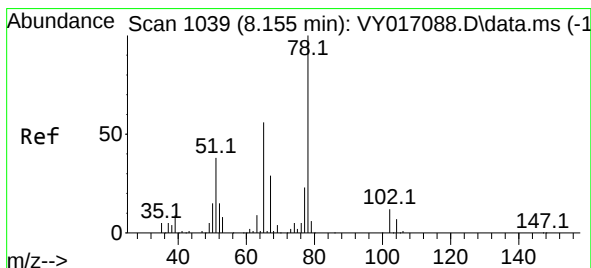
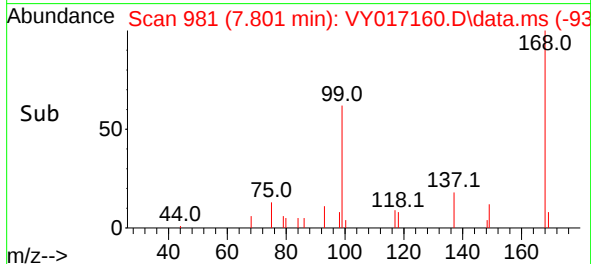
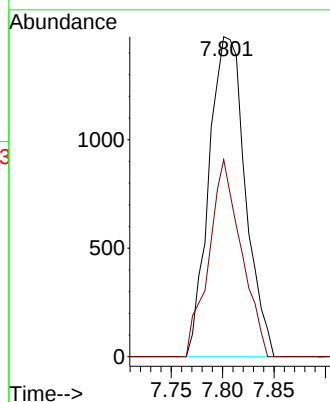
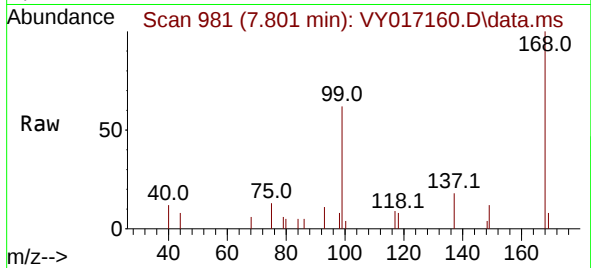




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY017160.D
Acq: 31 Jan 2024 16:27

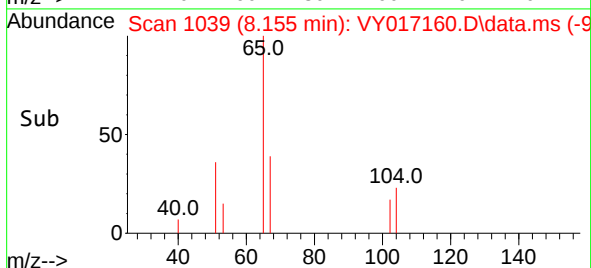
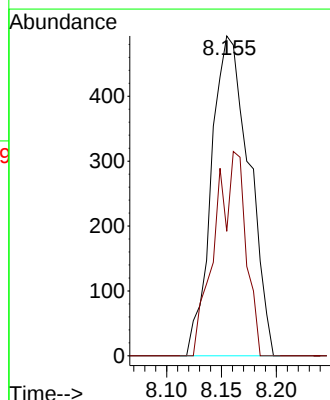
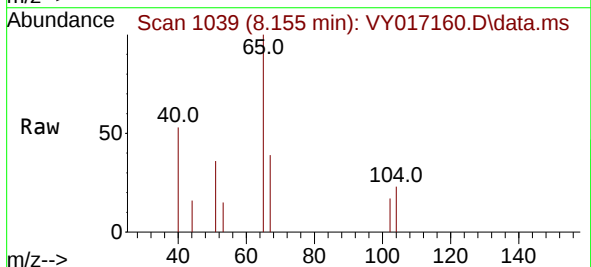
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

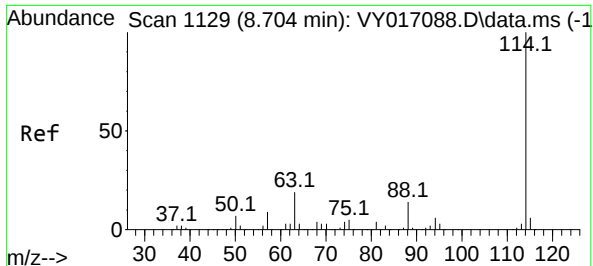
Tgt Ion:168 Resp: 3618
Ion Ratio Lower Upper
168 100
99 61.6 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 33.361 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY017160.D
Acq: 31 Jan 2024 16:27

Tgt Ion: 65 Resp: 1176
Ion Ratio Lower Upper
65 100
67 52.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY017160.D

Acq: 31 Jan 2024 16:27

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

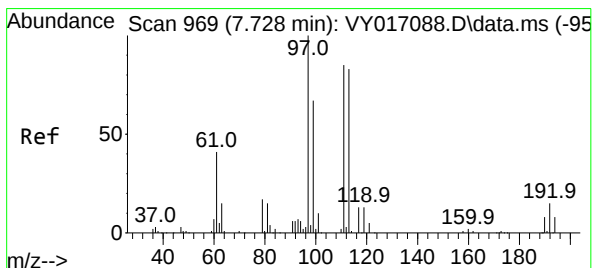
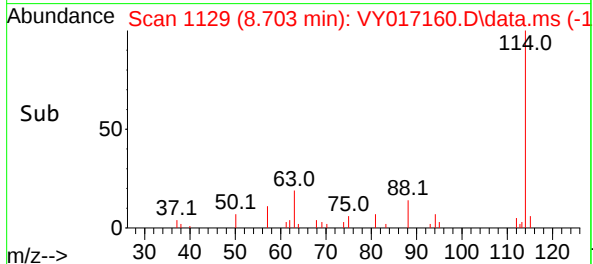
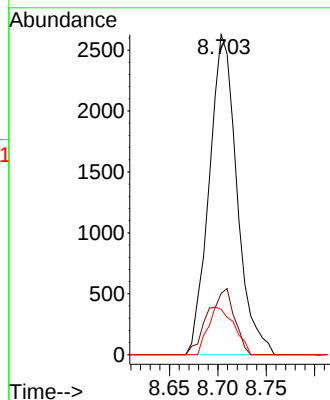
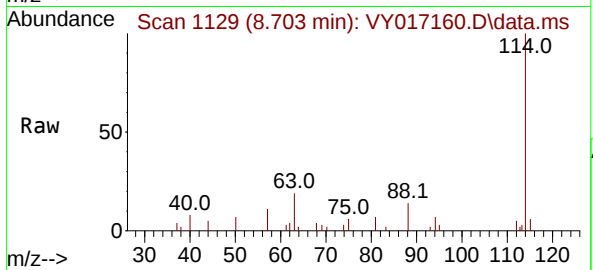
Tgt Ion:114 Resp: 5250

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 14.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 38.219 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY017160.D

Acq: 31 Jan 2024 16:27

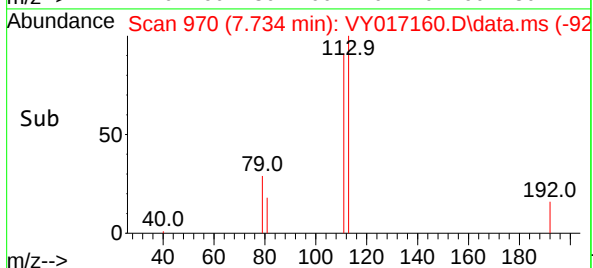
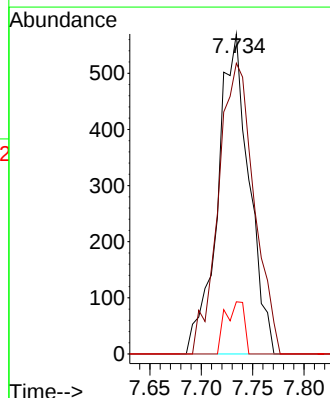
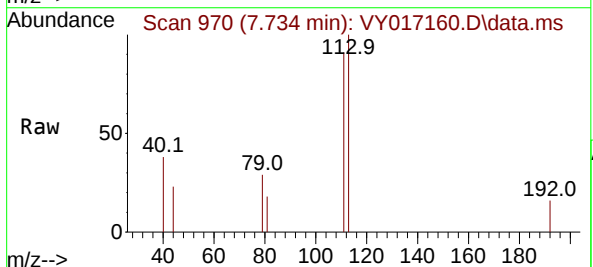
Tgt Ion:113 Resp: 1211

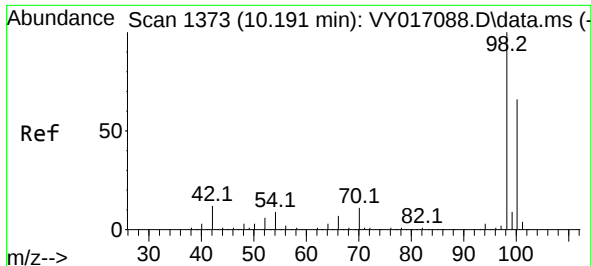
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 9.7 14.5 21.7#

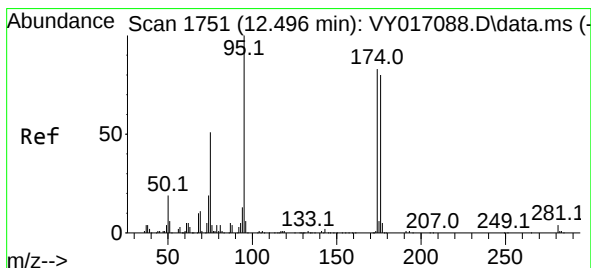
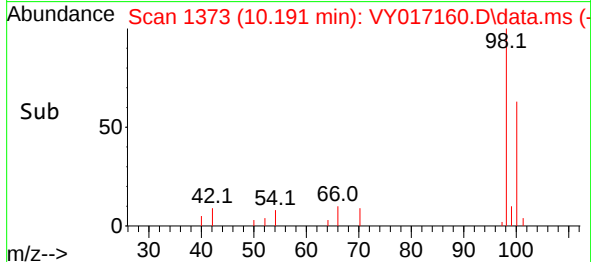
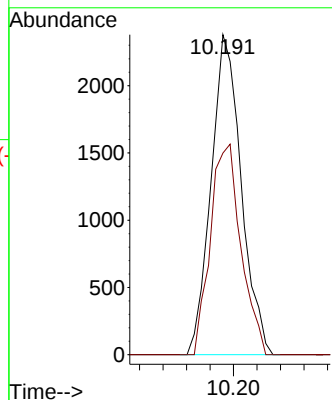
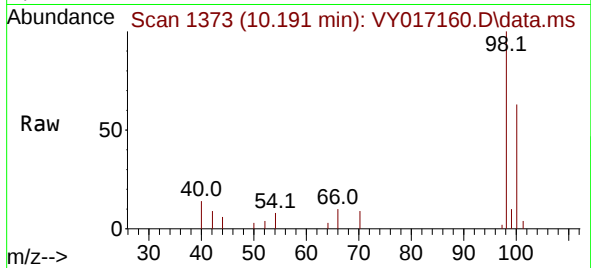




#50
Toluene-d8
Concen: 35.403 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY017160.D
Acq: 31 Jan 2024 16:27

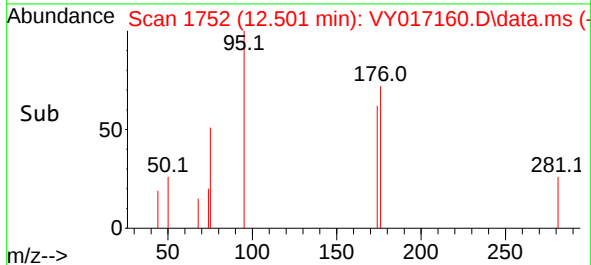
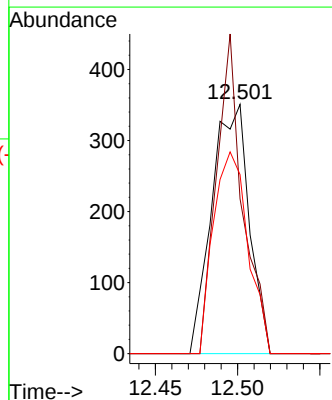
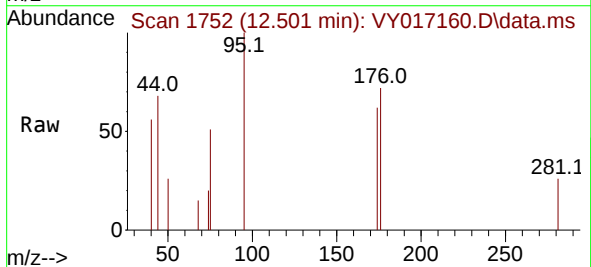
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

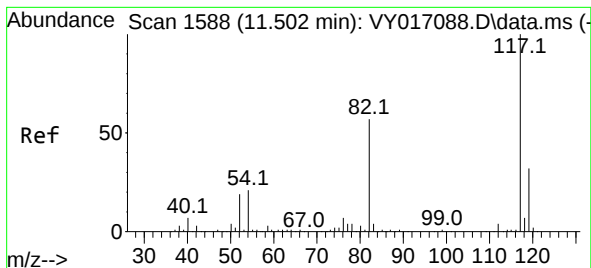
Tgt Ion: 98 Resp: 4237
Ion Ratio Lower Upper
98 100
100 66.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 15.027 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY017160.D
Acq: 31 Jan 2024 16:27

Tgt Ion: 95 Resp: 554
Ion Ratio Lower Upper
95 100
174 90.1 0.0 160.0
176 75.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY017160.D

Acq: 31 Jan 2024 16:27

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

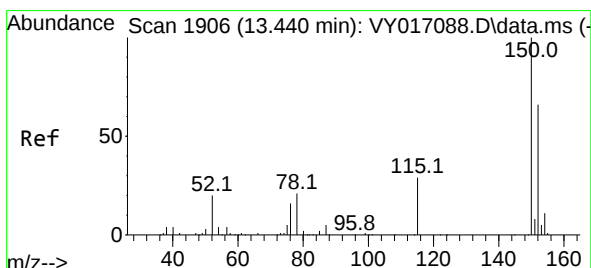
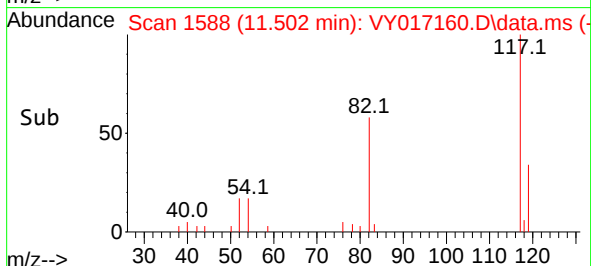
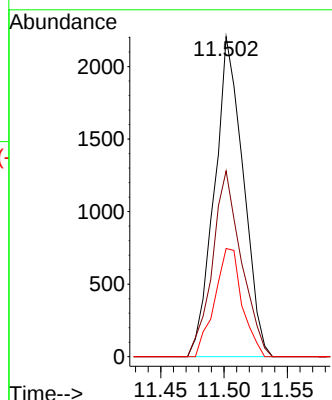
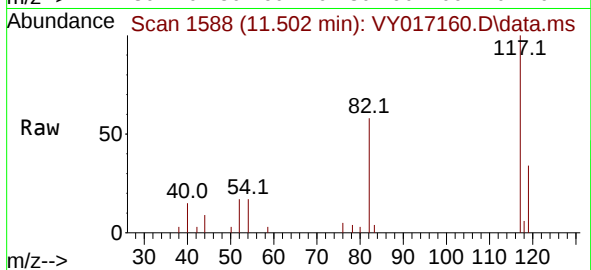
Tgt Ion:117 Resp: 3487

Ion Ratio Lower Upper

117 100

82 58.1 43.8 65.8

119 33.8 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017160.D

Acq: 31 Jan 2024 16:27

Tgt Ion:152 Resp: 502

Ion Ratio Lower Upper

152 100

115 52.4 30.0 90.0

150 171.3 0.0 344.6

