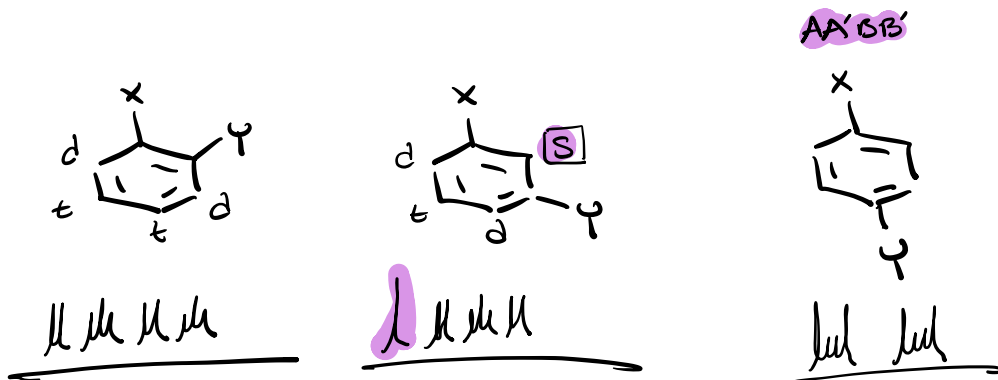
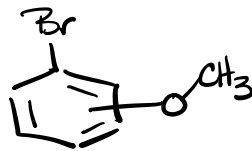


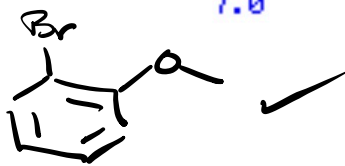
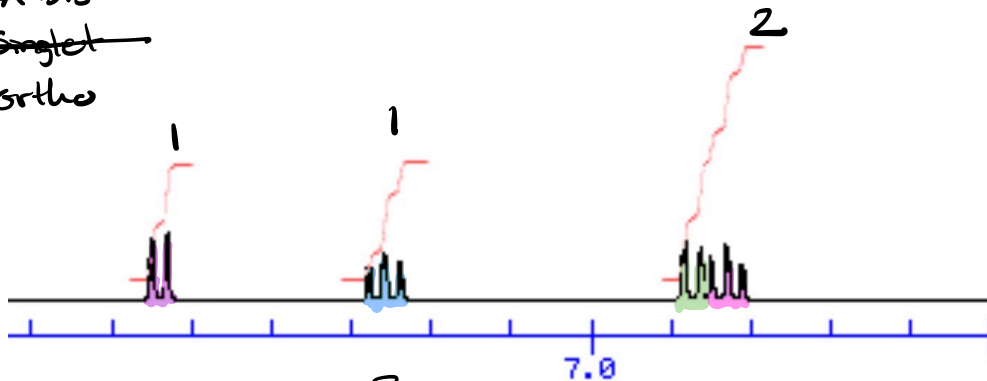
Aromatic Round Up - Disubstituted



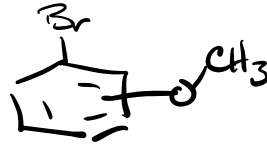
26 C_7H_7OBr



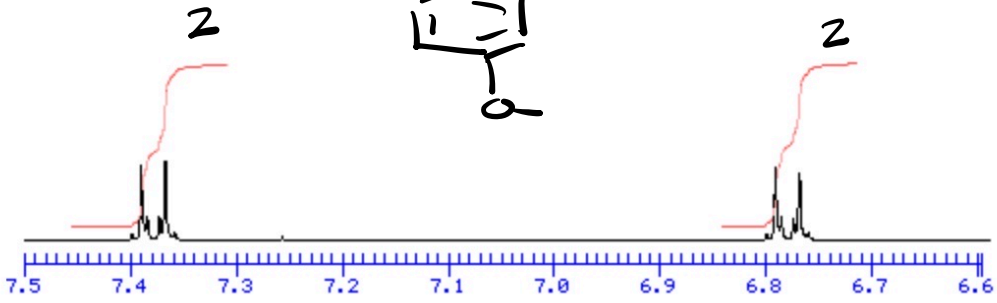
~~AA'BB'~~
~~Singlet~~
 ortho



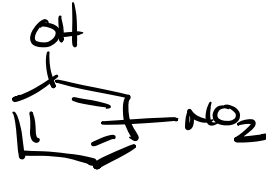
#16 C_7H_7OBr



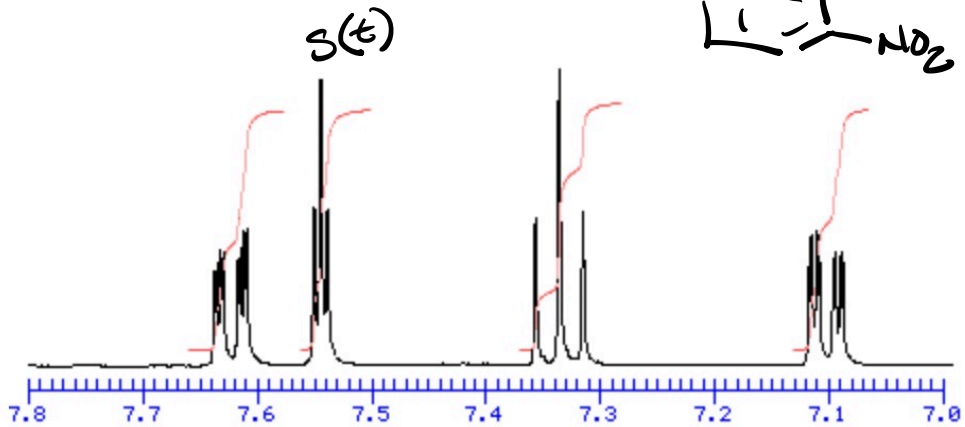
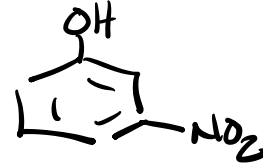
para AA'BB'
meta Singlet
ortho dttd



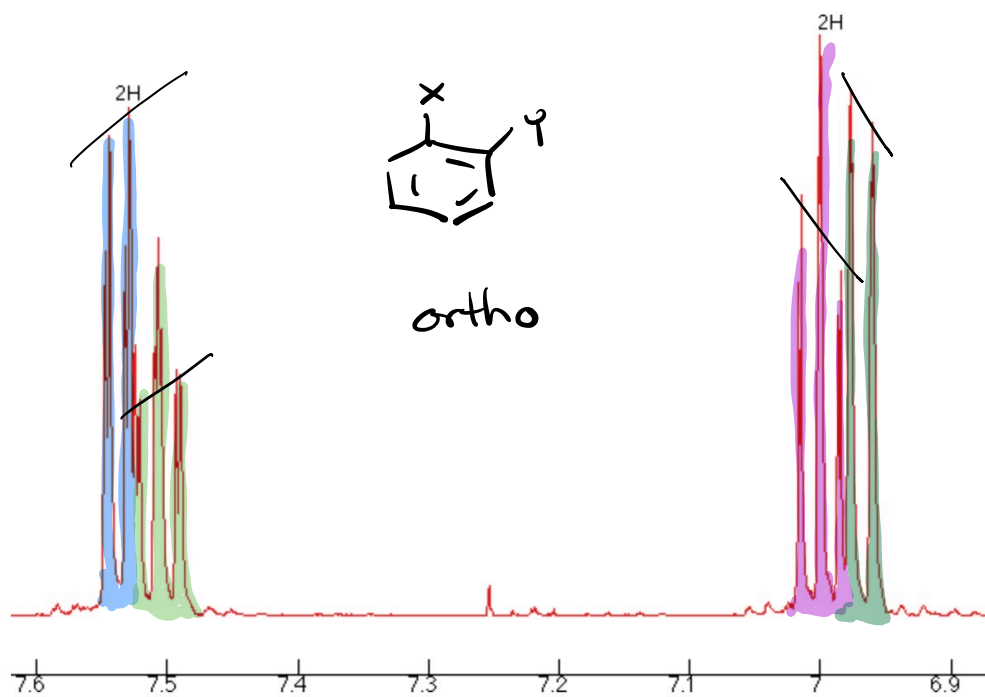
#18 $C_6H_5NO_3$



para AA'BB'
ortho Singlet
meta dttd



Problem 16 - ^1H NMR spectrum (CDCl_3 , 500 MHz)

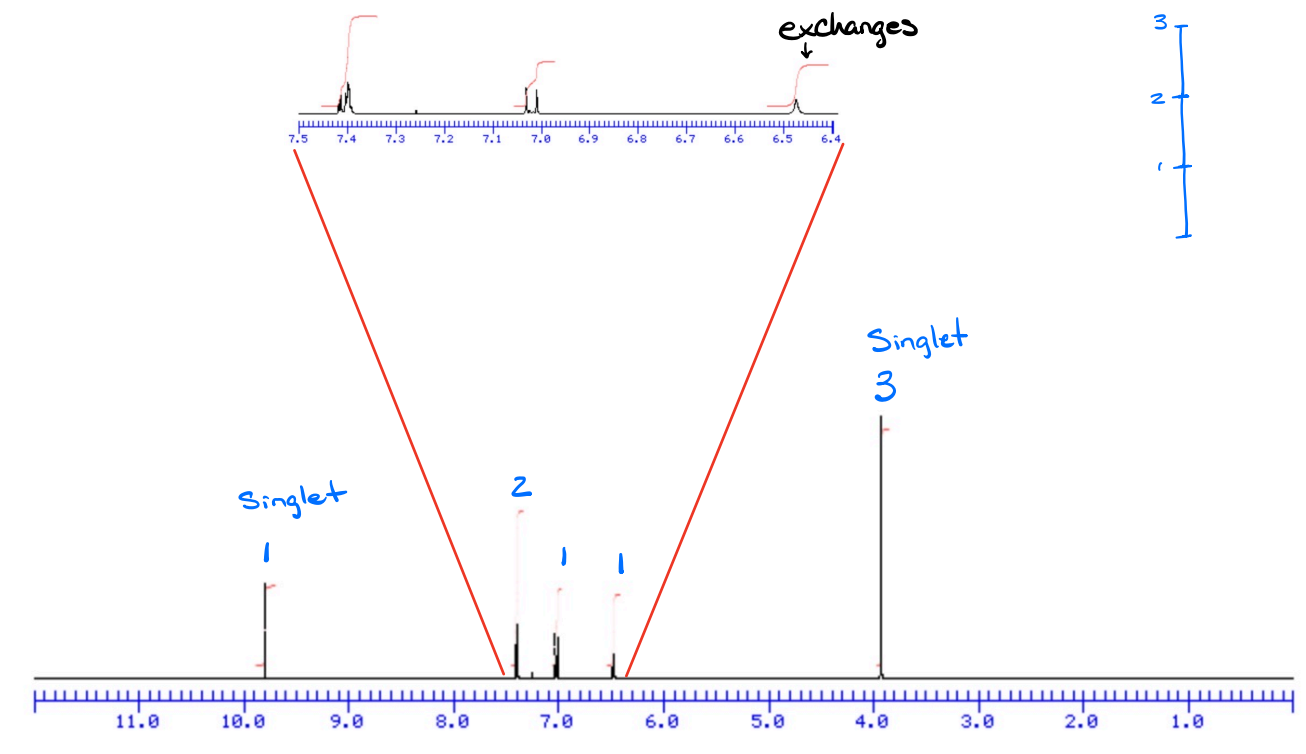


Click on the highlighted area to zoom. Click again to zoom back out.


Intermediate 1 # 10

$C_8H_8O_3$ 5 units unsaturation

^1H-NMR



'H NMR Table

<u>Ppm</u>	<u>Int</u>	<u>mult</u>	<u>#n</u>	<u>Assignment</u>
3.9	3	Singlet	∅	CH ₃ - Strong EWG (CH ₃ -O-)
6.48	1	Singlet (exchanges)	?	-OH
7.02	1	Doublet	1	} 3 Ar Ar-H, = ^H ?
7.40	2	?	?	
9.80	1	Singlet	∅	

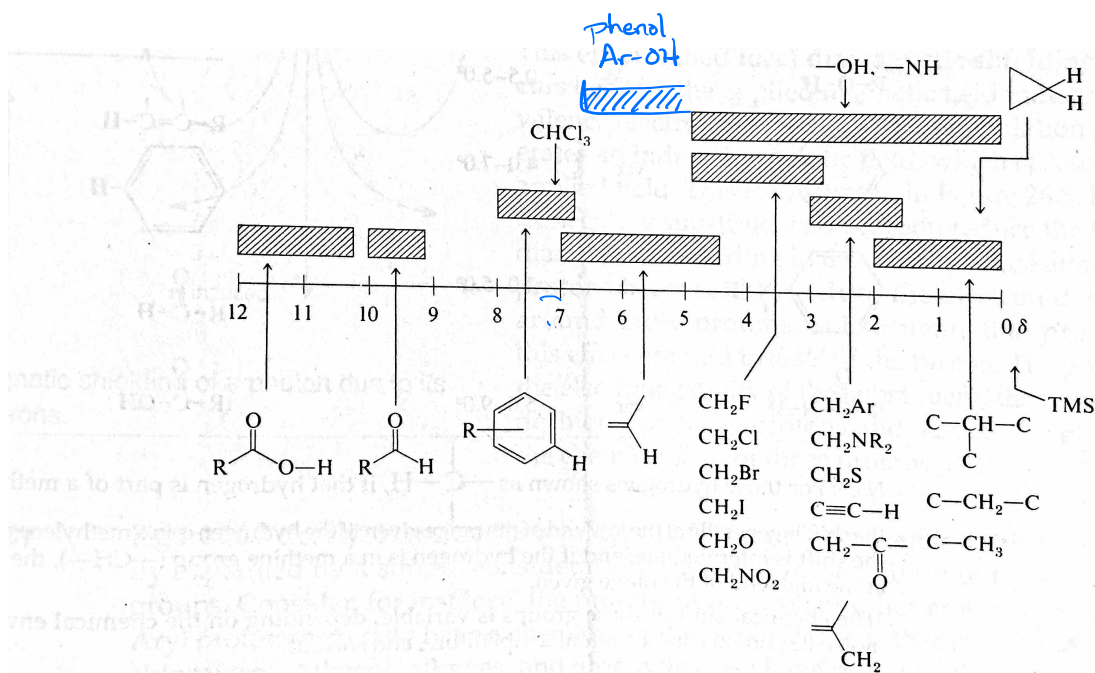
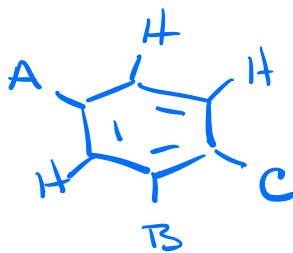
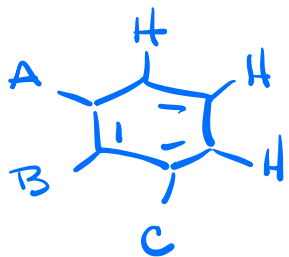


Figure 26.7

A simplified correlation chart for proton chemical shift values.



or ...

