

- 1) Starting from benzene or toluene show how you would synthesize the following compounds.

a) 4-nitro toluene

b) 3-nitro toluene

c) o-chlorobenzoic acid

d) 4-deuteriotoluene

CHM 3343

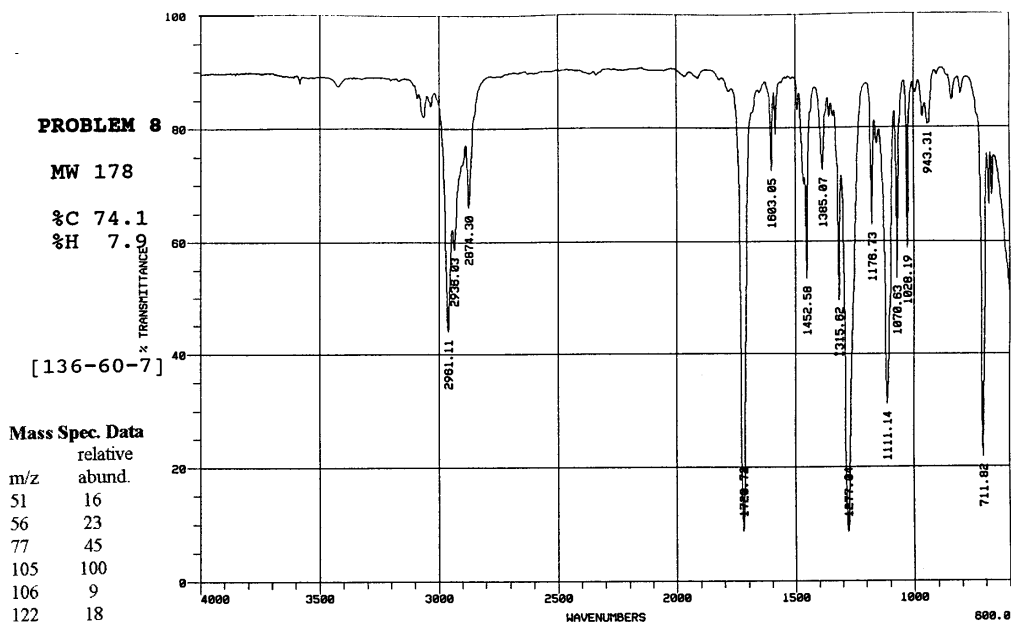
Homework Set 5

TUD Department of Chemistry

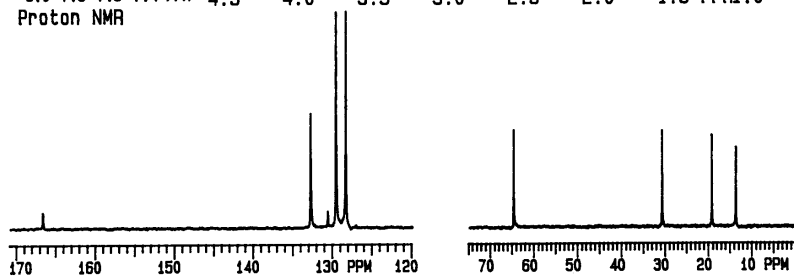
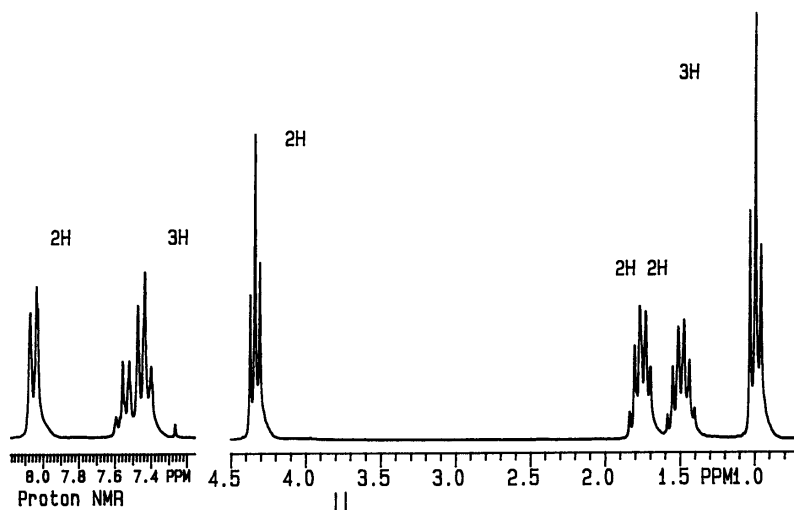
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2) What is it?



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Carbon 13 NMR