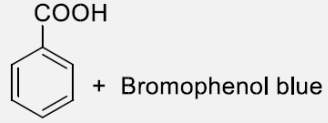
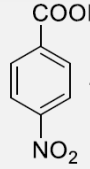
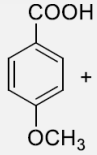
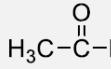
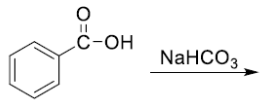
Laboratory Report (109 chem)

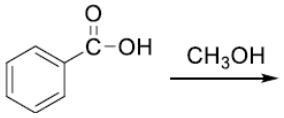
Experiment 8: Carboxylic acid & Their derivatives

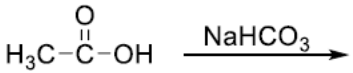
Student Names: …… Section No: ……

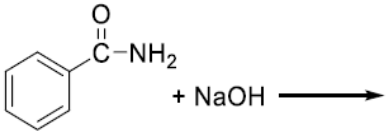
Test	Observation	Result	Chemical equation
Acetic acid + $NaHCO_3$ 1 ml acetic acid +(Δ) Heat for 1 min + 0.5g $NaHCO_3$(solid)			
 + Bromophenol blue	The acid will therefore be stronger if Ar is electron withdrawing than if Ar is electron donating		
 + Bromophenol blue			
 + Bromophenol blue			
Esterification Salicylic acid + Methanol	Distinctive smell of ester		
 + 10% NaOH with red litmus paper	red litmus paper changes the colour to blue		

Questions:









Name	class	Functional group	Molecular formula	Structure formula
acetic acid				
Salicylic acid				