## **Ultraviolet Practice #5**

You have reacted **A** to make a mixture of **B** and **C**. Enones **B** and **C** have molar absorbtivities at 280 nm as shown. A 3.3 mg portion of the mixture of **B** and **C** dissolved in 200 mL of ethanol shows an absorbance at 280 nm of A = 0.55. How much of the mixture is **B**?



 $C_{12}H_{12}O = 172$ 

.0033 / 172 x 5 = 0.00009595 M