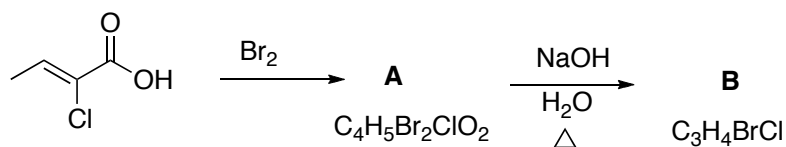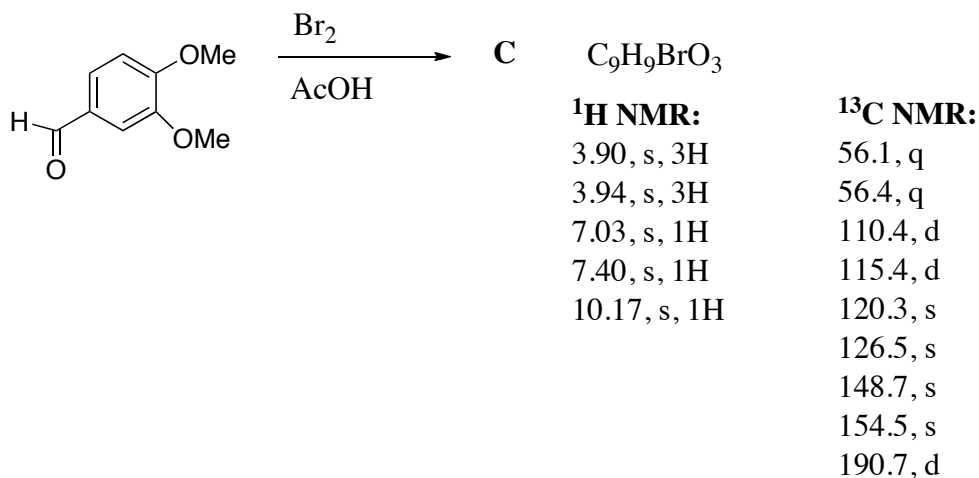1. (10 points) Write the structures of **A** and **B**. Absolute configuration is not important, but both relative configuration and alkene geometry are important.

2. (10 points) Deduce the structure of **C**, and draw an arrow-pushing mechanism for its formation.

C $C_9H_9BrO_3$

^{1}H NMR:	^{13}C NMR:
3.90, s, 3H	56.1, q
3.94, s, 3H	56.4, q
7.03, s, 1H	110.4, d
7.40, s, 1H	115.4, d
10.17, s, 1H	120.3, s
	126.5, s
	148.7, s
	154.5, s
	190.7, d

3. (10 points) Would **D** be converted into **E** or **F**? What starting material would you need to make the other alternative product?