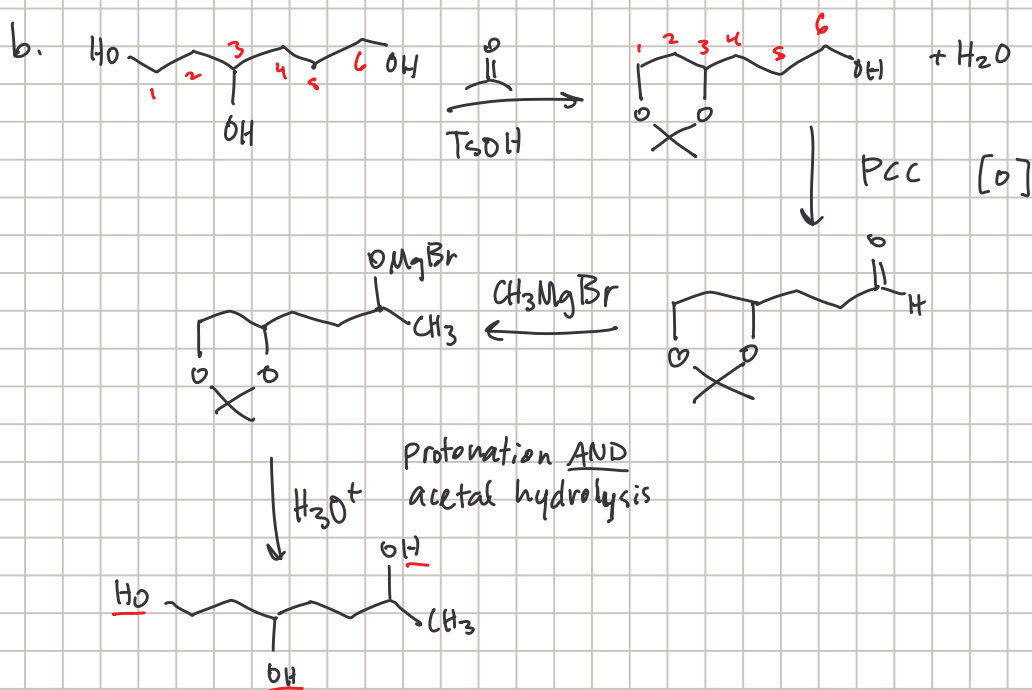
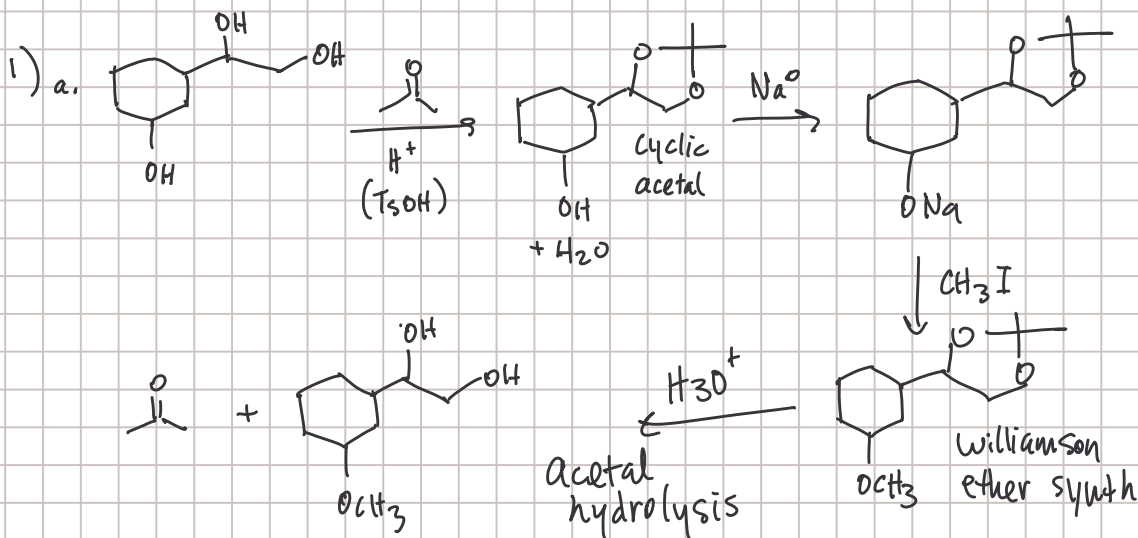
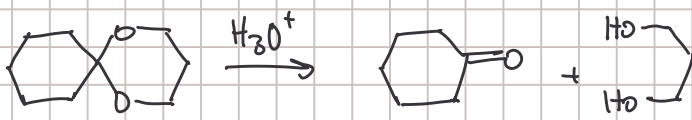
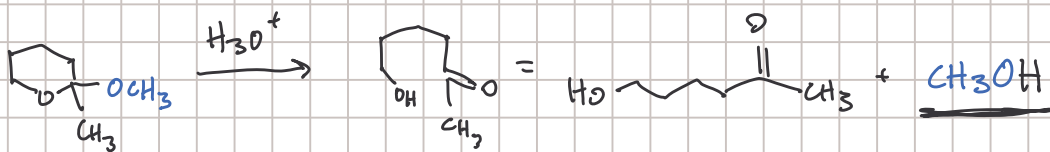
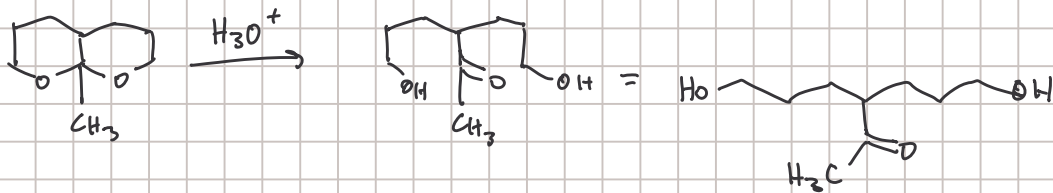
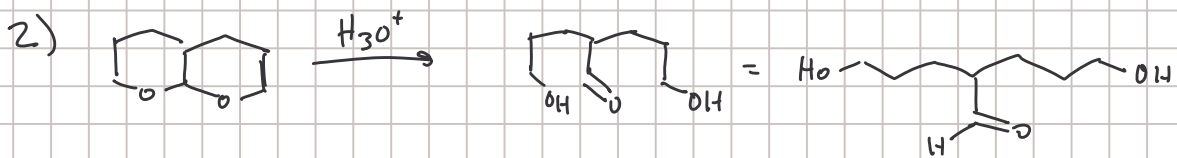


Ch 18/19 group work

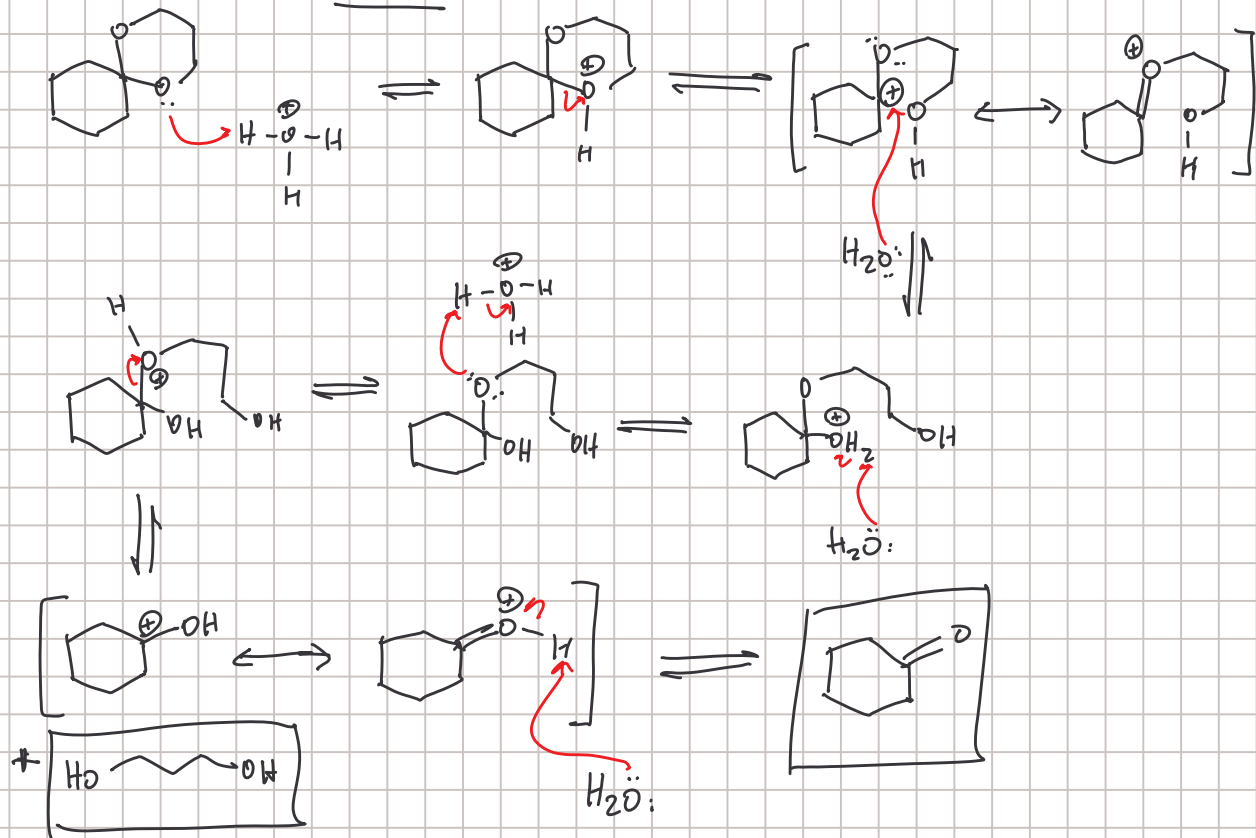
Note Title

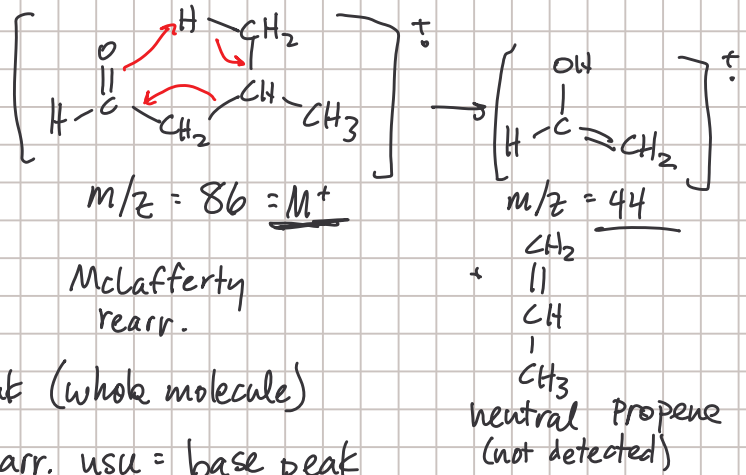
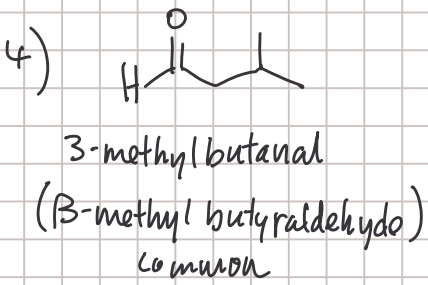
3/29/2006





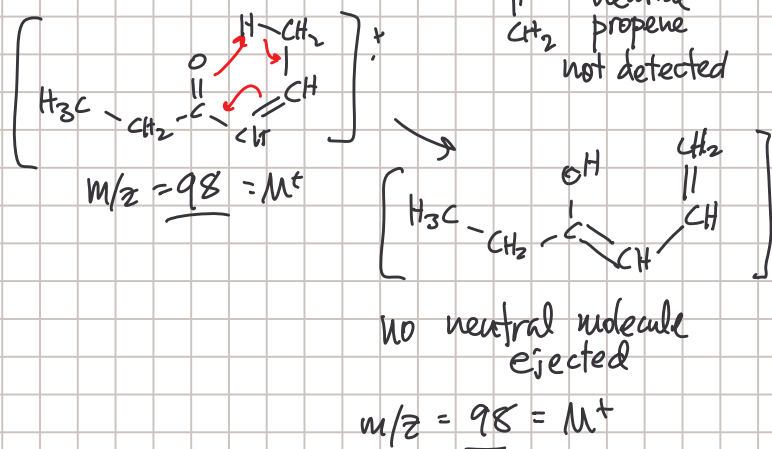
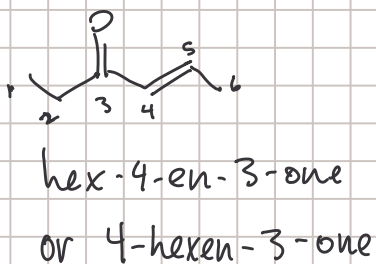
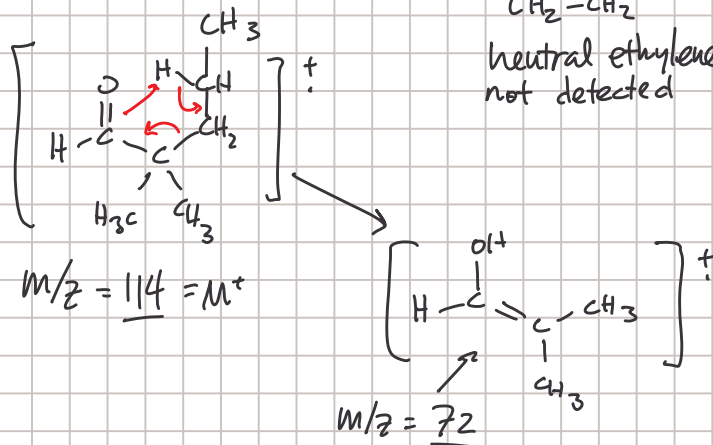
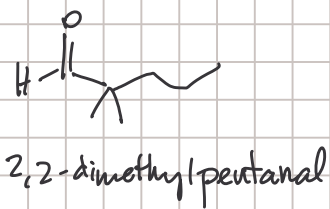
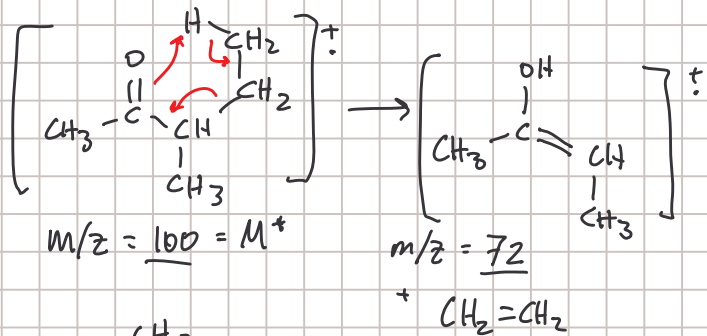
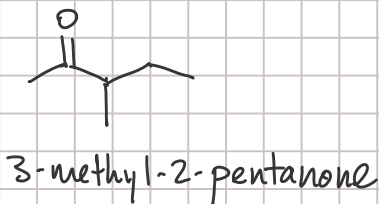
mechanism: reverse of acetal formation

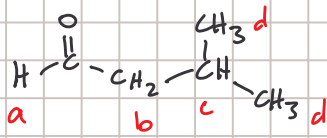




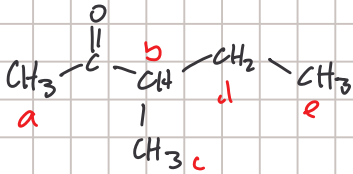
M^+ = molecular ion peak (whole molecule)

pd of McLafferty rearr. usu = base peak (highest abundance)

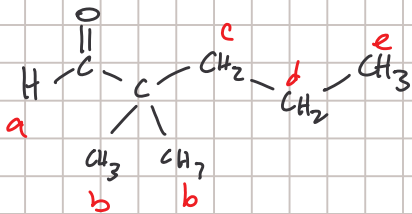




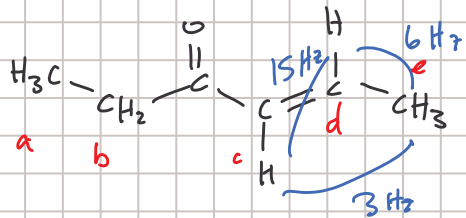
| <u>H</u> | <u>m</u> | <u>J</u> | <u>δ (ppm)</u> | <u>Peak</u> |
|----------|----------|----------|----------------|--------------|
| a | d | 2 Hz | 9-10 | <u> </u> |
| b | dd | 2, 7 Hz | 2-3 | <u> </u> |
| c | nonet | 7 Hz | 1-2 | <u> </u> |
| d | d | 7 Hz | 1-2 | <u> </u> |



| <u>H</u> | <u>m</u> | <u>J (Hz)</u> | <u>δ (ppm)</u> | <u>Peak</u> |
|----------|----------|---------------|----------------|--------------|
| a | s | - | 2-3 | <u> </u> |
| b | sextet | 7 | 2-3 | <u> </u> |
| c | d | 7 | 1-2 | <u> </u> |
| d | quintet | 7 | 1-2 | <u> </u> |
| e | t | 7 | ~1 | <u> </u> |



| <u>H</u> | <u>m</u> | <u>J (Hz)</u> | <u>δ (ppm)</u> | <u>peak</u> |
|----------|----------|---------------|----------------|--------------|
| a | s | - | 9-10 | <u> </u> |
| b | s | - | 1-2 | <u> </u> |
| c | t | 7 | 1-2 | <u> </u> |
| d | sextet | 7 | ~1 | <u> </u> |
| e | t | 7 | ~1 | <u> </u> |



| <u>H</u> | <u>m</u> | <u>J(Hz)</u> | <u>δ (ppm)</u> | <u>Peak</u> |
|----------|----------|--------------|----------------|-------------|
| a | t | 7 | 1-2 | <u> </u> |
| b | q | 7 | 2-3 | <u> </u> |
| c | dq | 15, 3 | 5-7 | |
| d | dq | 15, 6 | 5-7 | See below |
| e | dd | 6, 3 | 1-2 | |

