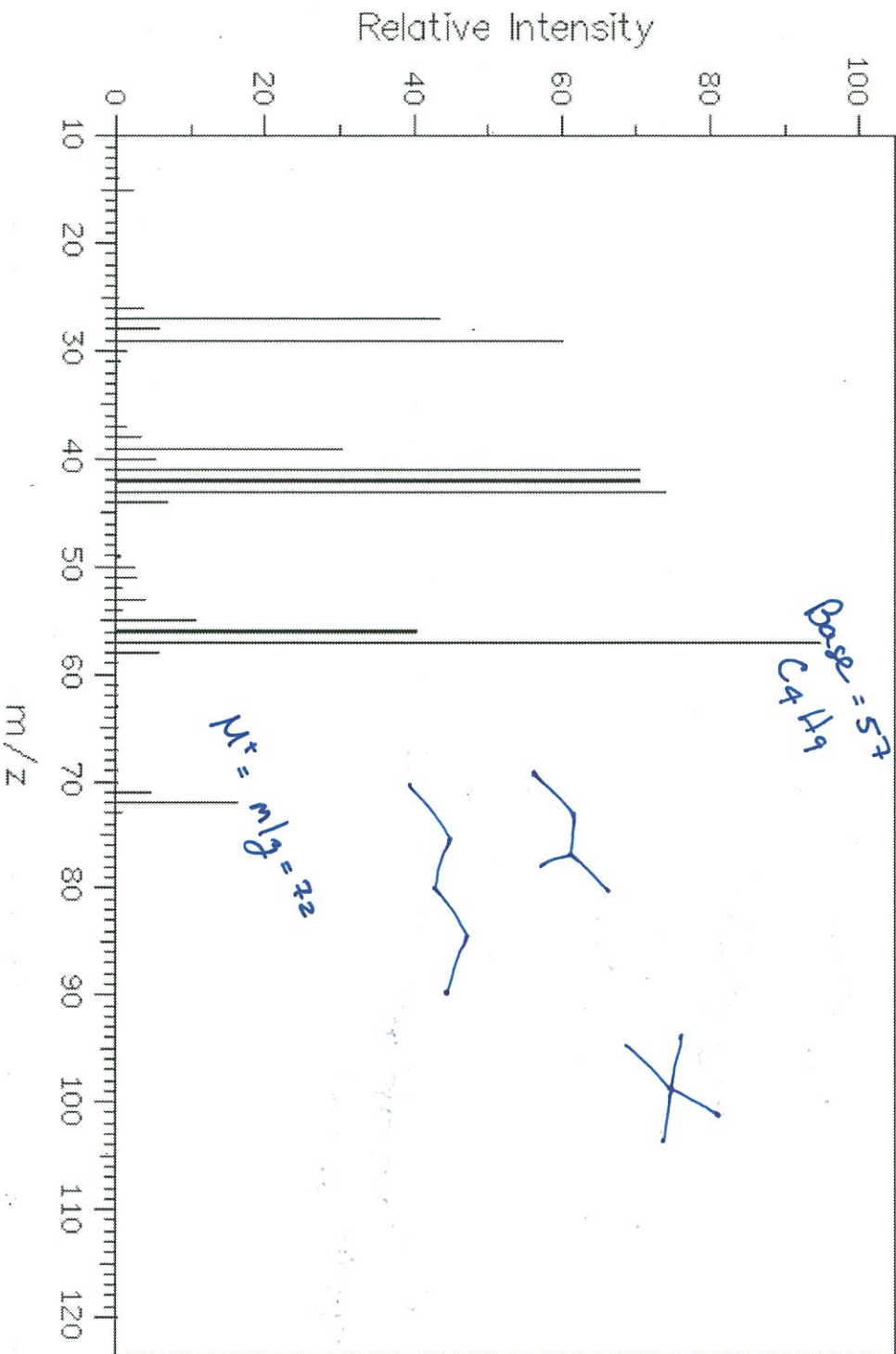


For both of these, there may not be a definitive answer - you should be able to defend, but as long as a structure is proposed...  
 be able to defend a reasonable

Organic Chemistry II  
 CHM 224

Consider the mass spectrum, below, of an organic hydrocarbon (only C and H).



1. molecular ion:

72

2. molecular formula:

$$\frac{12}{12} \frac{72}{12} = \frac{60}{12}$$

C<sub>5</sub>H<sub>12</sub>

3. degree of unsaturation:

$$\frac{2(5) + 2 - 12}{2} = 0$$

4. proposed structure:

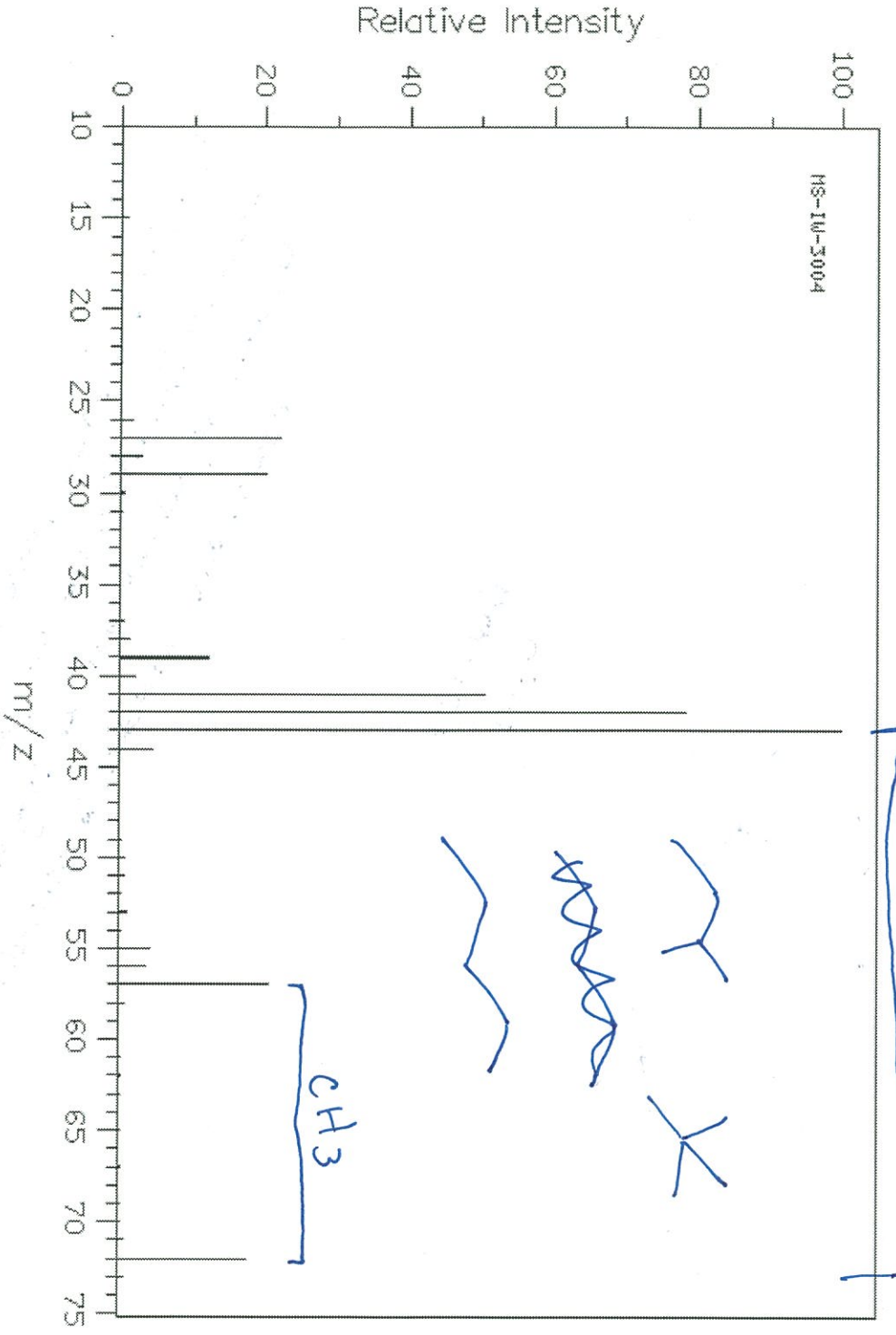
Most likely →



5. base peak:



Consider the mass spectrum, below, of an organic hydrocarbon (only C and H). *loss of CH<sub>2</sub>CH<sub>2</sub>*



1. molecular ion: **72**

2. molecular formula: **C<sub>5</sub>H<sub>12</sub>**

3. degree of unsaturation: **0**

4. proposed structure:



5. base peak:

