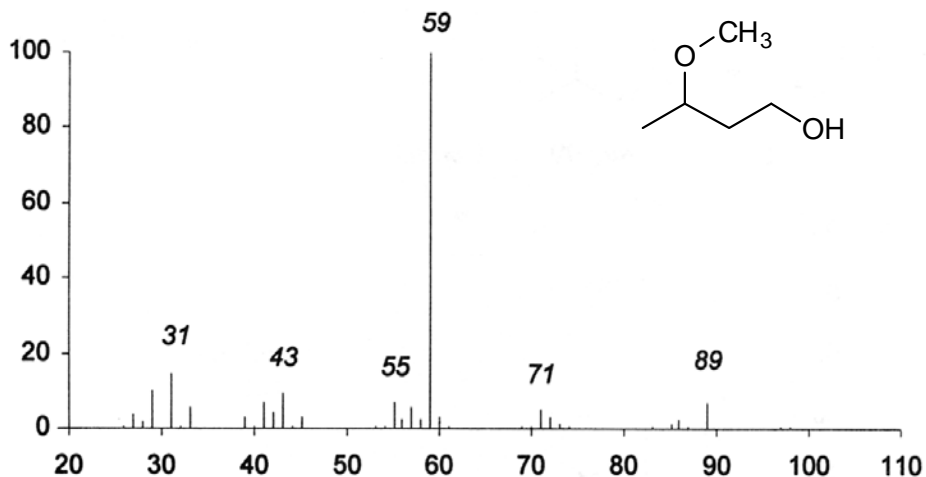


**In-Class Exercise:  
Radical Cation Fragmentations in EI-MS**

The EI-MS of 3-methoxy-1-butanol is shown below.



- What radical cations would you expect to be formed from the neutral molecule?
- Of the labeled peaks above, which can you explain by  $\alpha$ -cleavage of these radical cations?