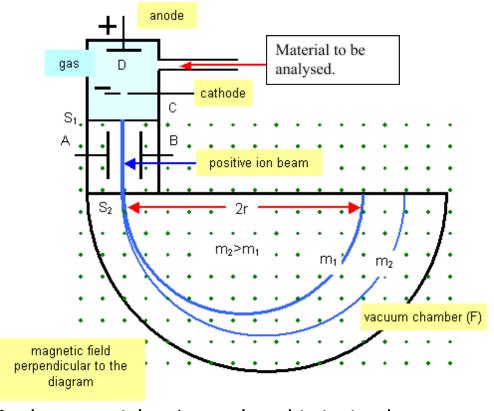
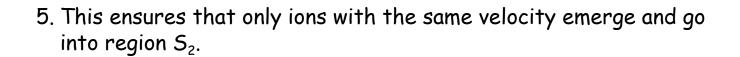
## Physics 12 Section 20-12 Mass Spectrometer

- 1. The mass spectrometer was first developed in the early part of the last century. Like a spectroscope splitting light into its component colours,
- 2. The mass spectrometer can split a sample of matter into its component elements based on the mass of the elements.



- 3. In area D the material to be analysed is ionized.
- 4. Between A and B there is a magnetic field coming out of the page and an electric field going from A to B.



6. The atoms of an element were found to have slightly different masses.

