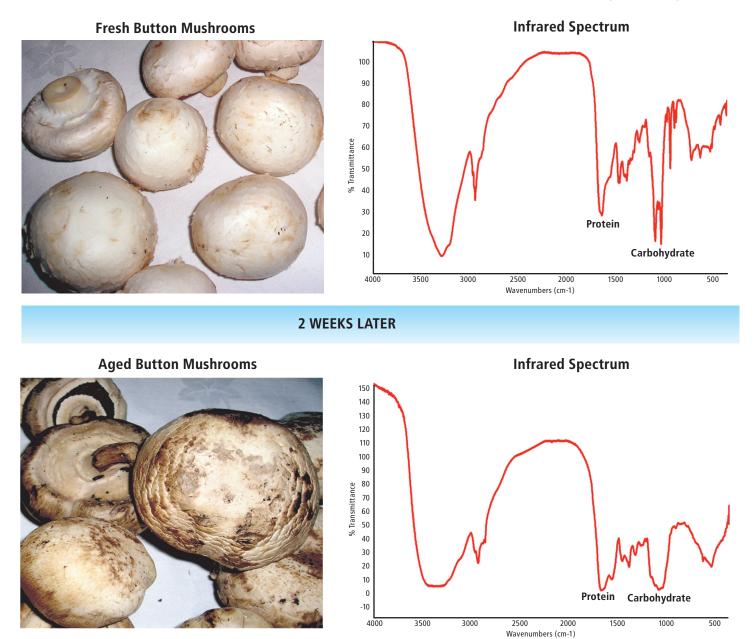
## **Infrared Spectroscopy – Research Application**

## Mushrooms – How fresh are they?

Infrared Spectroscopy can be used to produce a Chemical Fingerprint of a huge range of materials. It can even be used to monitor the freshness of the mushrooms in your fridge!



## So what has changed?

The fresh and aged mushrooms not only look different but their Protein and Carbohydrate infrared patterns have changed. This indicates that Chemical Changes have taken place, which are part of the ageing process. Infrared Spectroscopy can even be used to detect early deterioration of your mushrooms before you can see any change in their appearance.