Do not write outside the box

0 7 . 1 Four compounds, all colourless liquids, are

- butan-2-ol
- butanal
- butanone
- 2-methylpropan-2-ol

Two of these compounds can be identified using different test-tube reactions.

Describe these **two** test-tube reactions by giving reagents and observations in each case.
Suggest how the results of a spectroscopic technique could be used to distinguish between the **other** two compounds.

[6 marks]

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