CHEM1612 2013-N-6 November 2013

•	Isooctane, an important constituent of petrol, has a boiling point of 99.3 °C and a standard enthalpy of vaporisation of 37.7 kJ mol ⁻¹ . What is ΔS ° (in J K ⁻¹ mol ⁻¹) for the vaporisation of isooctane?		Marks 2
		Answer:	_