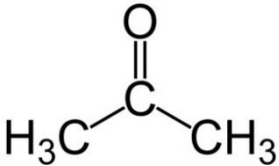
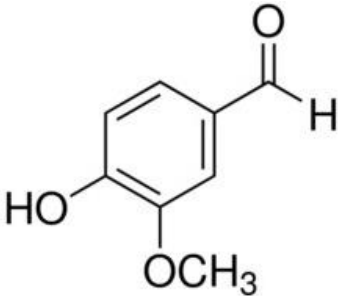
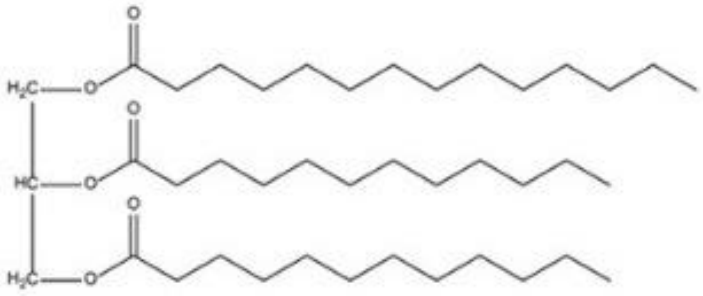
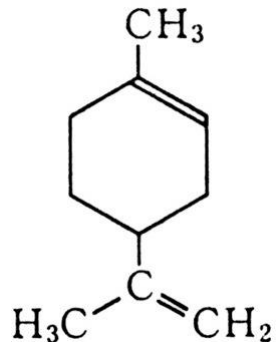
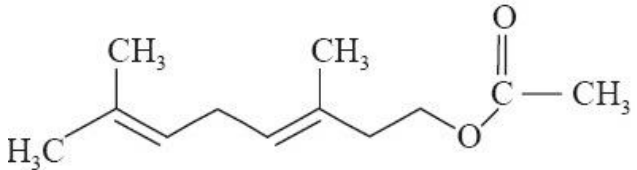


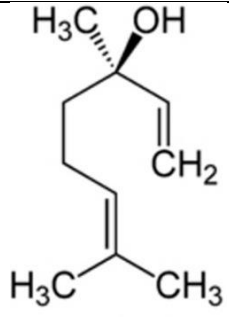
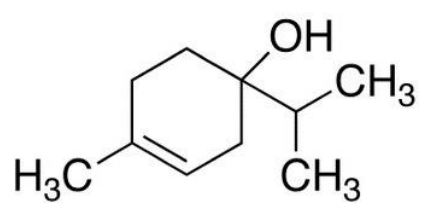
**ACTIVITY 6****Identifying Odours****Background**

Link the importance of being able to identify odours in the bush, such as eucalyptus leaves and tea tree by Aboriginal people for their survival to how we now can actually identify the actual molecular components of the plants, fruits, etc that give off odour.

**Activity**

Bottle No.	Your Guess	Correct Odour	Compound Structure
1		Acetone	$C_3H_6O$ (ketone) 
2		Vanillin	$C_8H_8O_3$ (phenolic aldehyde) 
			$C_{14}H_{29}NO_2$ (monoethanolamide)

3		Coconut Oil	
4		Orange Oil	<p data-bbox="885 567 1461 619"><math>C_{10}H_{16}</math> (limonene - cyclic terpene)</p> 
5		Lavender Oil	<p data-bbox="860 1123 1485 1176"><math>C_{10}H_{18}O</math> (linalool, 29% composition)</p> <p data-bbox="917 1176 1429 1270"><math>C_{12}H_{20}O_2</math> (linalyl acetate, 32% composition)</p>  <p data-bbox="1063 1501 1274 1543">Linalyl Acetate</p>

			 <p style="text-align: center;"><b>Linalool</b></p>
6		Tee Tree Oil	<p style="text-align: center;"><math>C_{10}H_{18}O</math> (terpinene-4-ol, 48% composition)</p> 
7		Eucalyptus Oil	<p style="text-align: center;"><math>C_{10}H_{18}O</math> (cyclic ether, 48% composition)</p> 