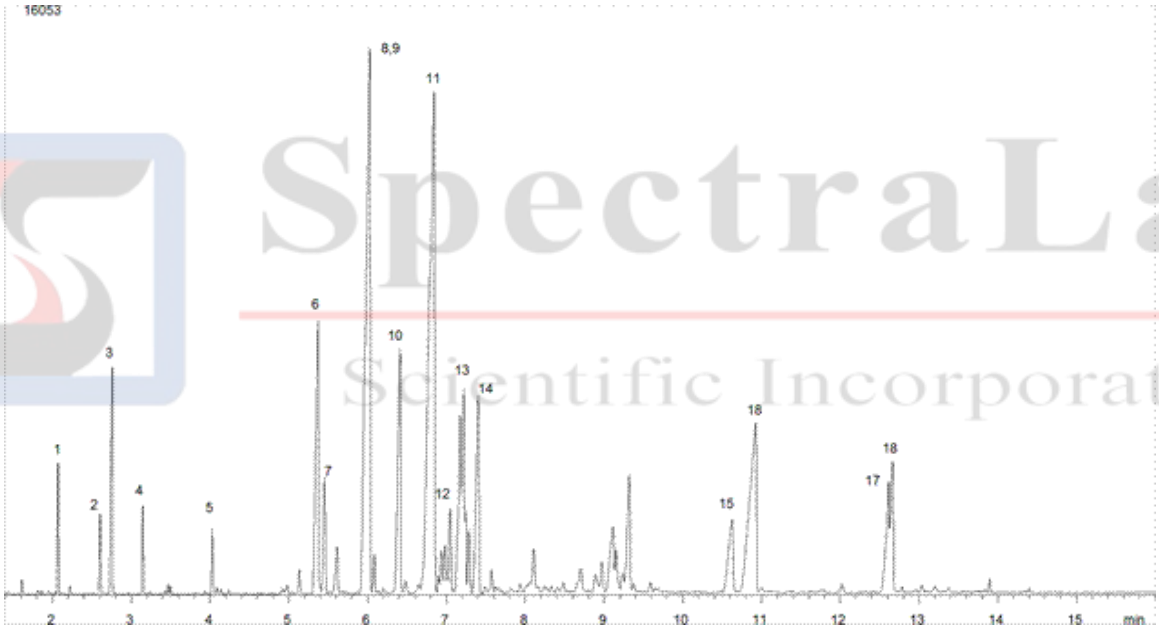
Analysis of Ylang Ylang Oil by GC-MS

Column: Zebron™ ZB-1MS, GC Cap. Column 10 m x 0.10 mm x 0.10 µm
Phase: 100% Dimethylpolysiloxane

Oven Profile: 60°C to 120°C at 15°C/min to 160°C at 5°C/min to 220°C at 20°C/min
Carrier Gas: Constant Flow Helium, 0.5 mL/min
Injection: Split 120:1, 0.2 µL @ 160°C

Detection: **Mass Selective (MSD) (300°C)** **(Ctrl + Click to follow link)**

Sample Preparation Note: Sample is 10% oil in dichloromethane.



1. **p-Methyl anisole**
2. **Methyl benzoate**
3. **Linalool**
4. **Benzyl acetate**
5. **Geraniol**
6. **Gerenyl acetate**
7. **Copaene**
8. **b-Caryophyllene**
9. **Cinnamyl acetate**
10. **Humulene**
11. **Germacrene**
12. **alpha-Amorphene**
13. **Farnesene**
14. **d-Cadinene**
15. **Farnesol**
16. **Benzyl benzoate**
17. **Benzyl salicylate**
18. **Farnesyl acetate**

Reference: E. E. Stashenko, W. Torres and J. R. Martinez Morales, A study of the compositional variation of the essential oil of ylang ylang (Cananga odorata Hook. fil. et Thomson, forma genuina) during flower development. J. High Resol. Chromatogr., 18, 101-104 (1995).