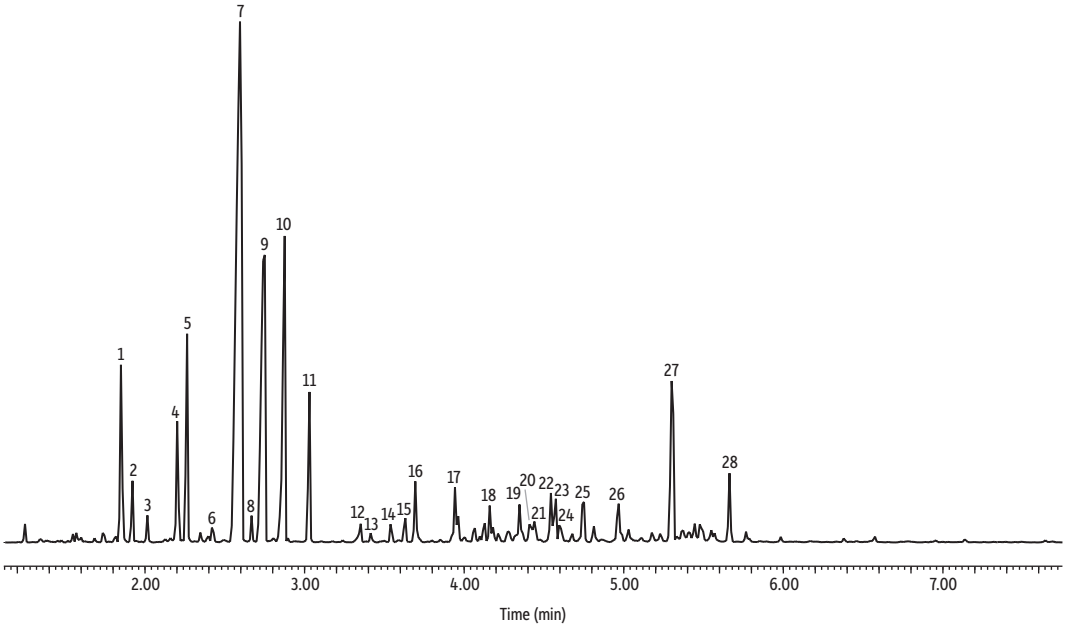
Geranium Oil on Rxi-5Sil MS (20 m, 0.18 mm ID, 0.18 µm)



GC_FF1330

Peaks	t_R (min)	Peaks	t_R (min)
1. Linalool	1.854	15. Copaene	3.634
2. Rose oxide 1	1.926	16. β-Bourbonene	3.698
3. Rose oxide 2	2.020	17. Caryophyllene	3.948
4. Menthone	2.206	18. Neryl acetate	4.165
5. Isomenthone	2.266	19. Germacrene D	4.353
6. α-Terpineol	2.427	20. γ-Gurjunene	4.409
7. Citronellol	2.599	21. α-Muurolene	4.440
8. Z-Citral	2.671	22. Citronellyl butyrate	4.544
9. Geraniol	2.748	23. δ-Cadinene	4.564
10. Citronellyl formate	2.876	24. Calamenene	4.599
11. Geranyl formate	3.031	25. Geranyl butyrate	4.750
12. *cis*-2,6-Dimethyl-2,6-octadiene	3.350	26. Phenylethyl butyrate	4.971
13. α-Cubebene	3.415	27. γ-Eudesmol	5.307
14. Geranyl acetate	3.544	28. Phenylethyl tiglate	5.667

Column Rxi-5Sil MS, 20 m, 0.18 mm ID, 0.18 µm (cat.# 43602)
Sample Geranium oil
Diluent: Acetone
Conc.: 5%
Injection
Inj. Vol.: 1 µL split (split ratio 100:1)
Liner: Topaz 4.0 mm ID Precision inlet liner w/wool (cat.# 23305)
Inj. Temp.: 250 °C
Oven
Oven Temp.: 100 °C (hold 0.25 min) to 320 °C at 17.5 °C/min (hold 10 min)
Carrier Gas He, constant flow
Flow Rate: 1.01 mL/min
Detector MS
Mode: Scan
Scan Program:

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	1.00	35-500	5

Transfer Line Temp.: 300 °C
Analyzer Type: Quadrupole
Source Type: Inert
Source Temp.: 230 °C
Quad Temp.: 150 °C
Instrument Agilent 7890A GC & 5975C MSD
Notes All peaks were identified using the NIST MS EI spectra library (2005).