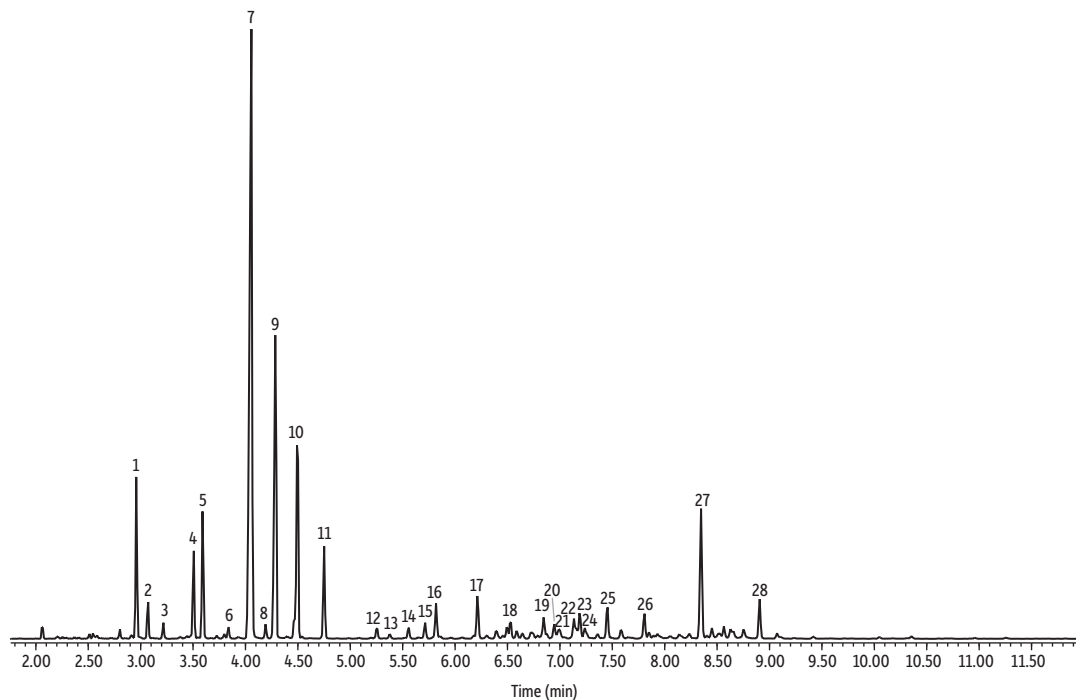


Geranium Oil on Rxi-5Sil MS



GC_FF1318

Peaks	tr (min)	Peaks	tr (min)
1. Linalool	2.964	15. Copaene	5.714
2. Rose oxide 1	3.074	16. β-Bourbonene	5.822
3. Rose oxide 2	3.216	17. Caryophyllene	6.219
4. Menthone	3.509	18. Neryl acetate	6.529
5. Isomenthone	3.596	19. Germacrene D	6.850
6. α-Terpineol	3.838	20. γ-Gurjunene	6.946
7. Citronellol	4.054	21. α-Murolene	7.000
8. Z-Citral	4.192	22. Citronellyl butyrate	7.135
9. Geraniol	4.289	23. δ-Cadinene	7.189
10. Citronellyl formate	4.500	24. Calamenene	7.238
11. Geranyl formate	4.754	25. Geranyl butyrate	7.457
12. cis-2,6-Dimethyl-2,6-octadiene	5.254	26. Phenylethyl butyrate	7.810
13. α-Cubebene	5.373	27. γ-Eudesmol	8.351
14. Geranyl acetate	5.557	28. Phenylethyl tiglate	8.910

Column Rxi-5Sil MS, 30 m, 0.25 mm ID, 0.25 μm (cat.# 13623)
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 to 300 °C at 11 °C/min (hold 10 min)
Carrier Gas He, constant flow
Flow Rate: 1.31 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).