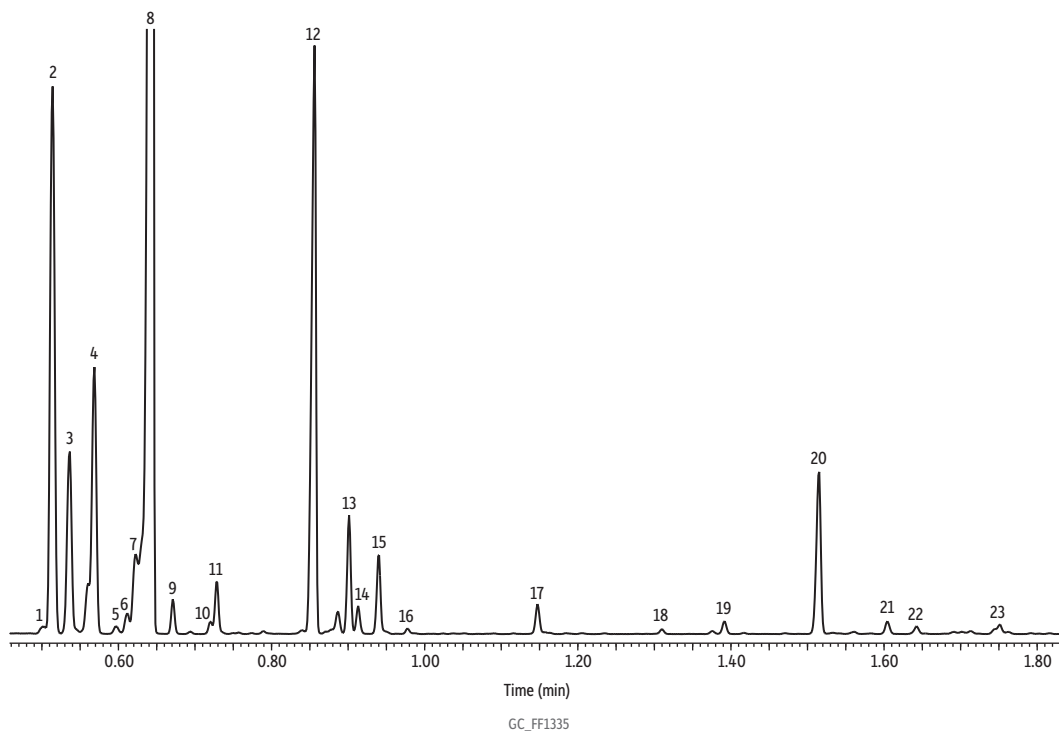


# Rosemary Oil on Rxi-5Sil MS (10 m, 0.15 mm ID, 0.15 µm)



Peaks	tr (min)	Peaks	tr (min)
1. $\alpha$ -Thujene	0.502	12. Camphor	0.856
2. $\alpha$ -Pinene	0.514	13. Borneol	0.902
3. Camphene	0.537	14. Terpinen-4-ol	0.914
4. $\beta$ -Pinene	0.569	15. $\alpha$ -Terpineol	0.940
5. $\alpha$ -Phellandrene	0.596	16. Verbenone	0.977
6. $\alpha$ -Terpinene	0.611	17. Bornyl acetate	1.148
7. <i>p</i> -Cymene	0.623	18. Eugenol	1.310
8. Eucalyptol	0.644	19. Copaene	1.392
9. $\gamma$ -Terpinene	0.672	20. Caryophyllene	1.515
10. Terpinolene	0.720	21. $\alpha$ -Caryophyllene	1.604
11. Linalool	0.728	22. $\gamma$ -Muuroleone	1.643
		23. $\delta$ -Cadinene	1.751

**Column** Rxi-5Sil MS, 10 m, 0.15 mm ID, 0.15 µm (cat.# 43815)  
**Sample** Rosemary oil  
**Diluent:** Acetone  
**Conc.:** 1%  
**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 45 °C/min to 320 °C at 30 °C/min (hold 5 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	11

**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).