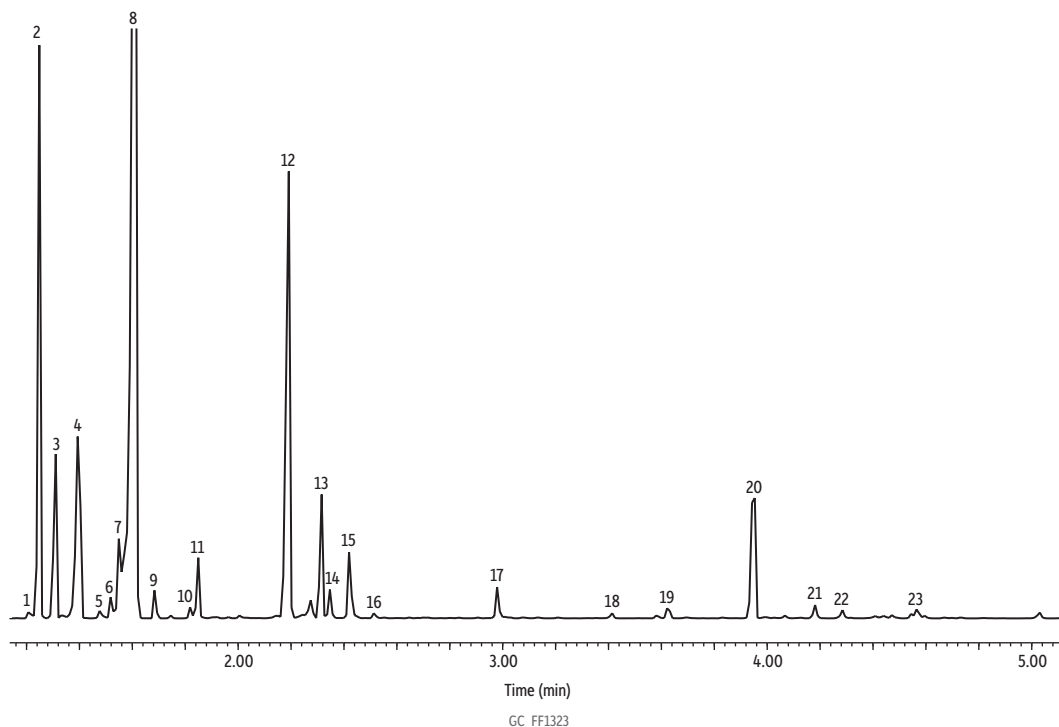


# Rosemary Oil on Rxi-5Sil MS (20 m, 0.18 mm ID, 0.18 µm)



Peaks	tr (min)	Peaks	tr (min)
1. $\alpha$ -Thujene	1.004	12. Camphor	1.849
2. $\alpha$ -Pinene	1.207	13. Borneol	2.193
3. Camphene	1.253	14. Terpinen-4-ol	2.318
4. $\beta$ -Pinene	1.314	15. $\alpha$ -Terpineol	2.351
5. $\alpha$ -Phellandrene	1.400	16. Verbenone	2.424
6. $\alpha$ -Terpinene	1.476	17. Bornyl acetate	2.983
7. <i>p</i> -Cymene	1.523	18. Eugenol	3.413
8. Eucalyptol	1.549	19. Copaene	3.621
9. $\gamma$ -Terpinene	1.608	20. Caryophyllene	3.952
10. Terpinolene	1.688	21. $\alpha$ -Caryophyllene	4.184
11. Linalool	1.818	22. $\gamma$ -Muurolene	4.285
		23. <i>d</i> -Cadinene	4.566

**Column** Rxi-5Sil MS, 20 m, 0.18 mm ID, 0.18 µm (cat.# 43602)  
**Sample** Rosemary 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).