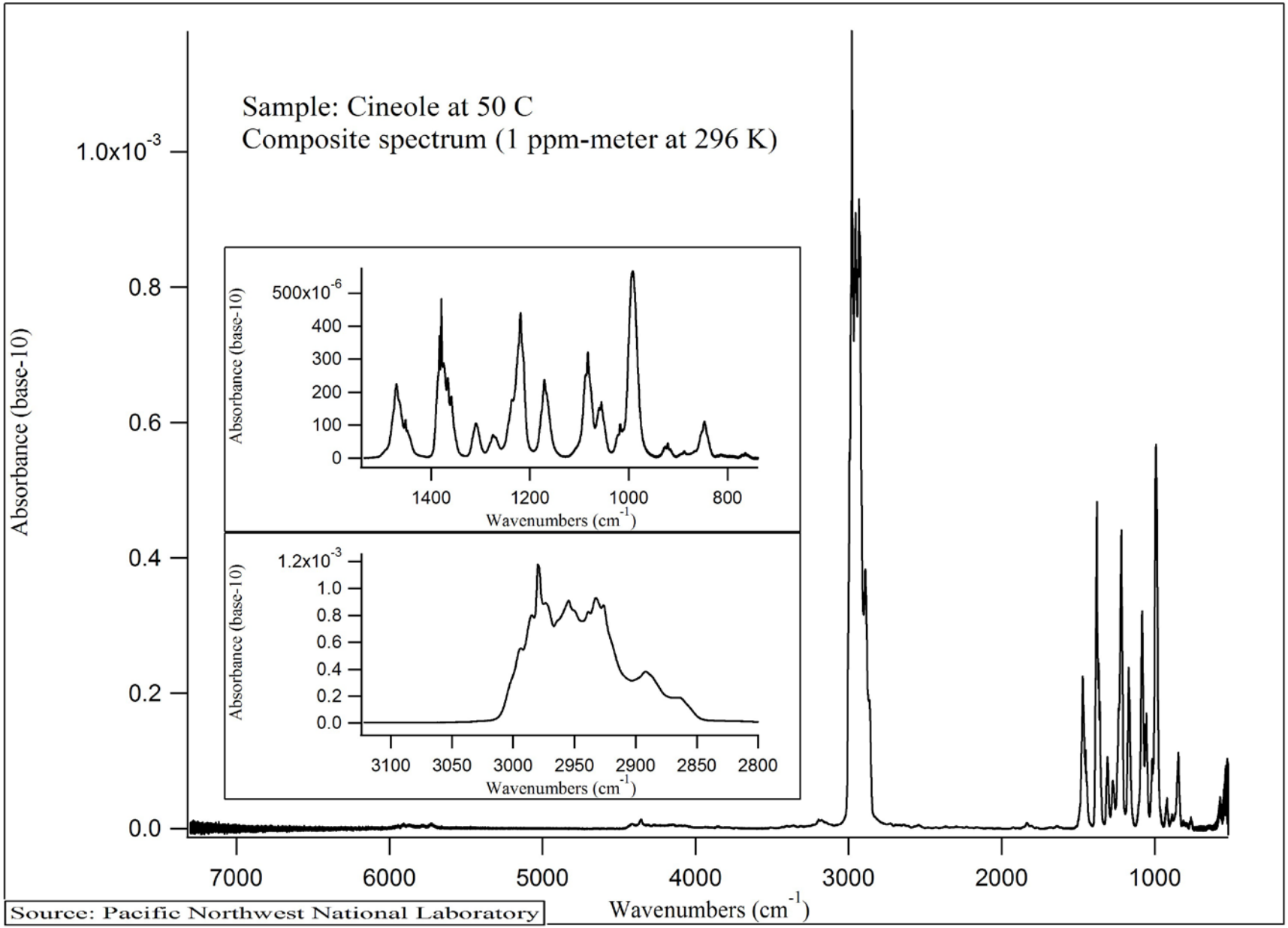
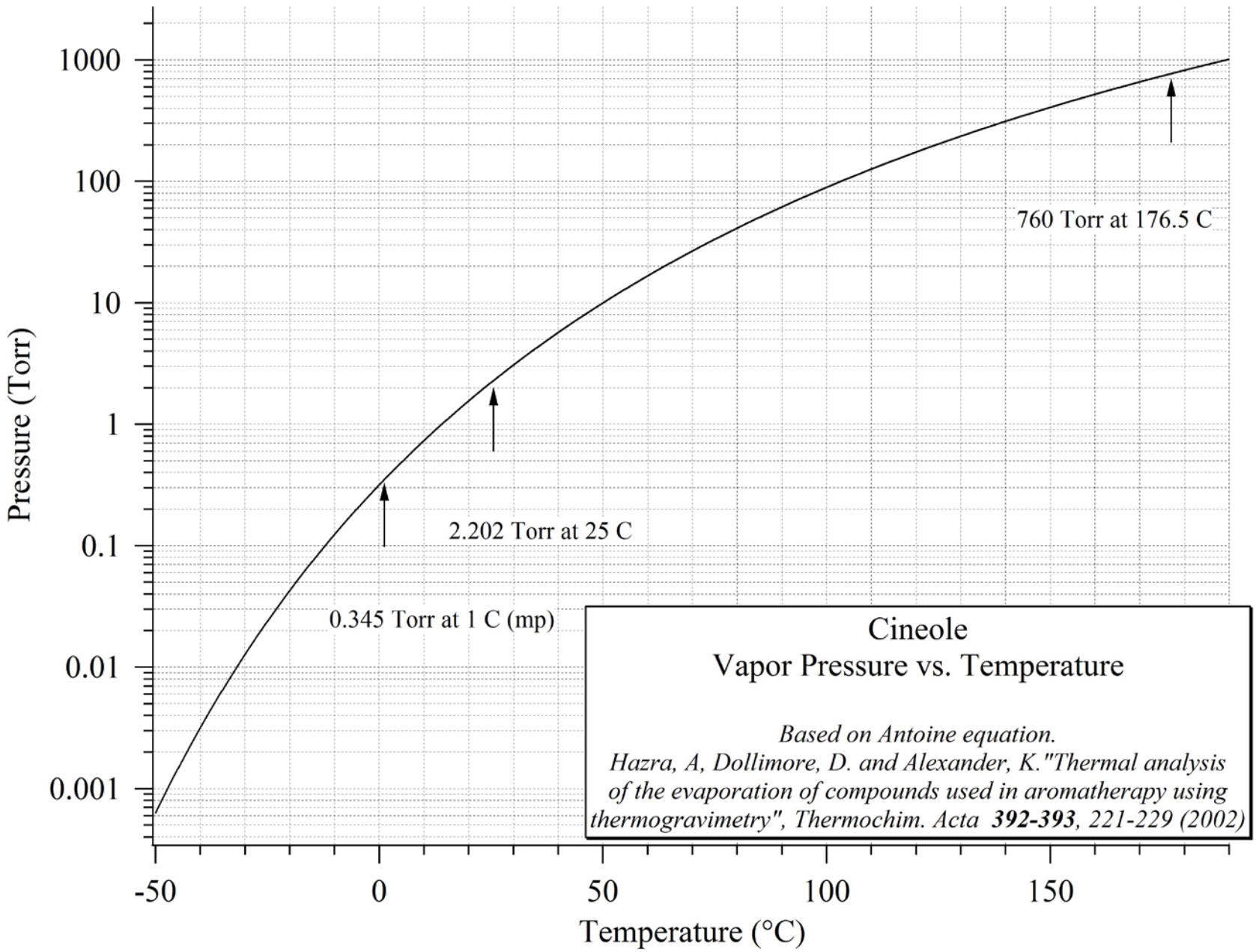

Sample: Cineole at 50 C
Composite spectrum (1 ppm-meter at 296 K)
Absorbance (base-10)
1.0x10-3
0.8
0.6
0.4
0.2
0.0
7000
6000
5000
4000
3000
2000
1000
Wavenumbers (cm-1)
Absorbance (base-10)
500x10-6
400
300
200
100
0
1400
1200
1000
800
Wavenumbers (cm-1)
Absorbance (base-10)
1.2x10-3
1.0
0.8
0.6
0.4
0.2
0.0
3100
3050
3000
2950
2900
2850
2800
Wavenumbers (cm-1)
Source: Pacific Northwest National Laboratory


Cineole
Vapor Pressure vs. Temperature
Based on Antoine equation.
Hazra, A, Dollimore, D. and Alexander, K."Thermal analysis of the evaporation of compounds used in aromatherapy using thermogravimetry", Thermochim. Acta 392-393, 221-229 (2002)
760 Torr at 176.5 C
2.202 Torr at 25 C
0.345 Torr at 1 C (mp)
Pressure (Torr)
1000
100
10
1
0.1
0.01
0.001
-50
0
50
100
150
Temperature (°C)