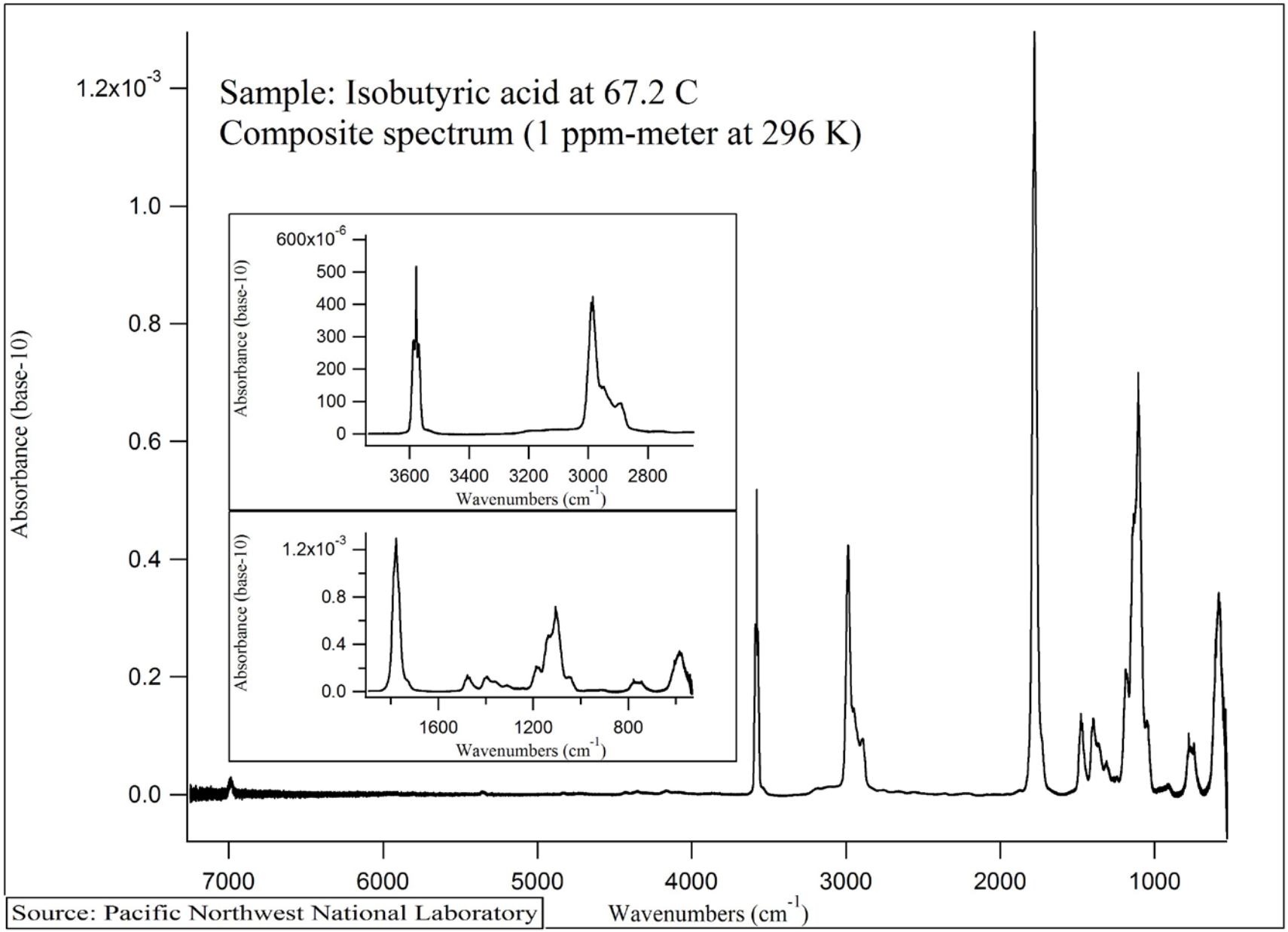
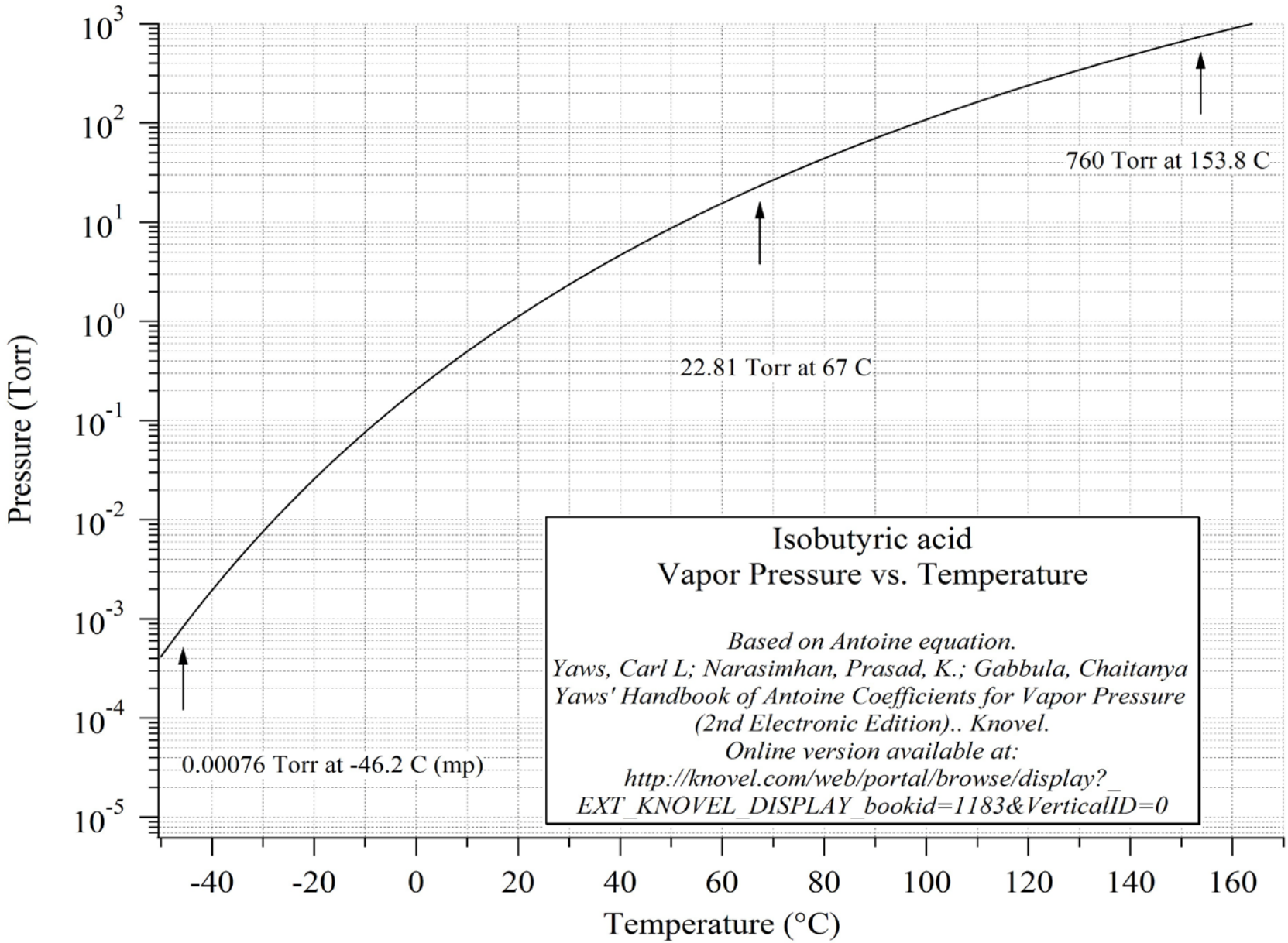

Sample: Isobutyric acid at 67.2 C
Composite spectrum (1 ppm-meter at 296 K)
Absorbance (base-10)
1.2x10-3
1.0
0.8
0.6
0.4
0.2
0.0
7000
6000
5000
4000
3000
2000
1000
Wavenumbers (cm-1)
600x10-6
500
400
300
200
100
0
3600
3400
3200
3000
2800
1.2x10-3
0.8
0.4
0.0
1600
1200
800
Source: Pacific Northwest National Laboratory


Isobutyric acid
Vapor Pressure vs. Temperature
Based on Antoine equation.
Yaws, Carl L; Narasimhan, Prasad, K.; Gabbula, Chaitanya
Yaws' Handbook of Antoine Coefficients for Vapor Pressure
(2nd Electronic Edition).. Knovel.
Online version available at:
http://knovel.com/web/portal/browse/display?_
EXT_KNOVEL_DISPLAY_bookid=1183&VerticalID=0
760 Torr at 153.8 C
22.81 Torr at 67 C
0.00076 Torr at -46.2 C (mp)
Pressure (Torr)
Temperature (°C)
10^3
10^2
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
-40
-20
0
20
40
60
80
100
120
140
160