1. Assign all pertinent peaks in the following IR Spectra.

FORAMIDE, N,N-DIMETHYL-
INFRARED SPECTRUM

TOLUENE
INFRARED SPECTRUM

NIST Chemistry WebBook (http://webbook.nist.gov/chemistry)
PROPENENITRILE
INFRARED SPECTRUM

H2C

H2

C

H2C

C

C

C

N

NIST Chemistry WebBook (http://webbook.nist.gov/chemistry)
2. Using the following IR spectra, suggest a structure for the given molecular formula.

NIST Chemistry WebBook (http://webbook.nist.gov/chemistry)

NIST Chemistry WebBook (http://webbook.nist.gov/chemistry)