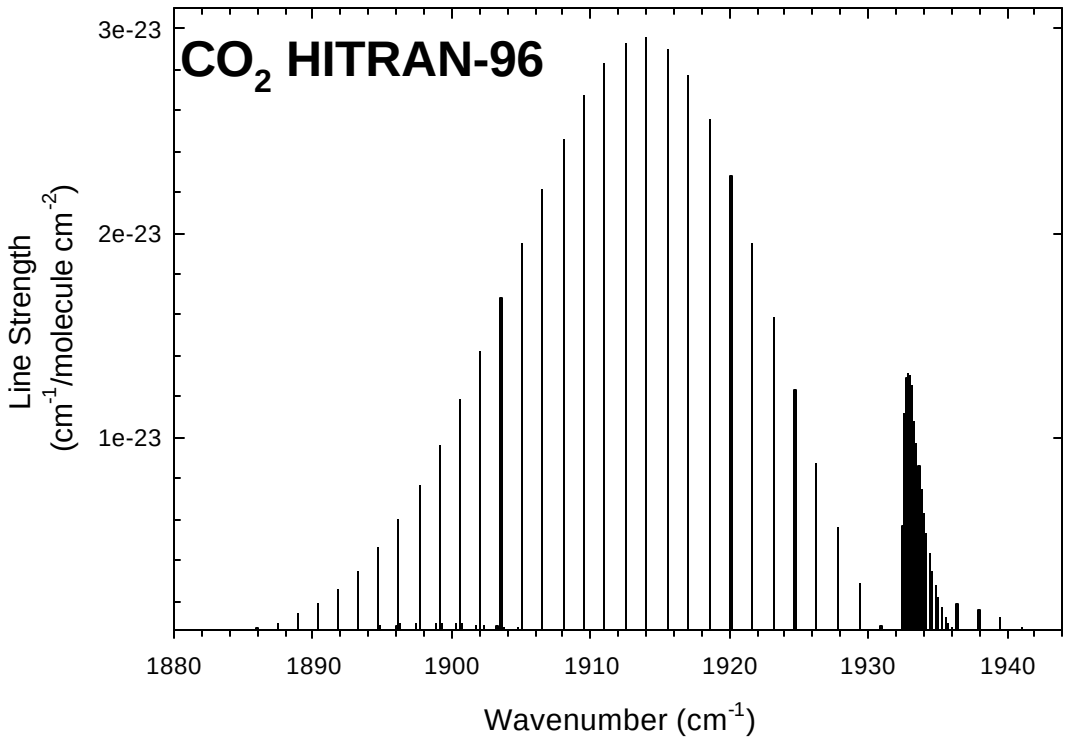
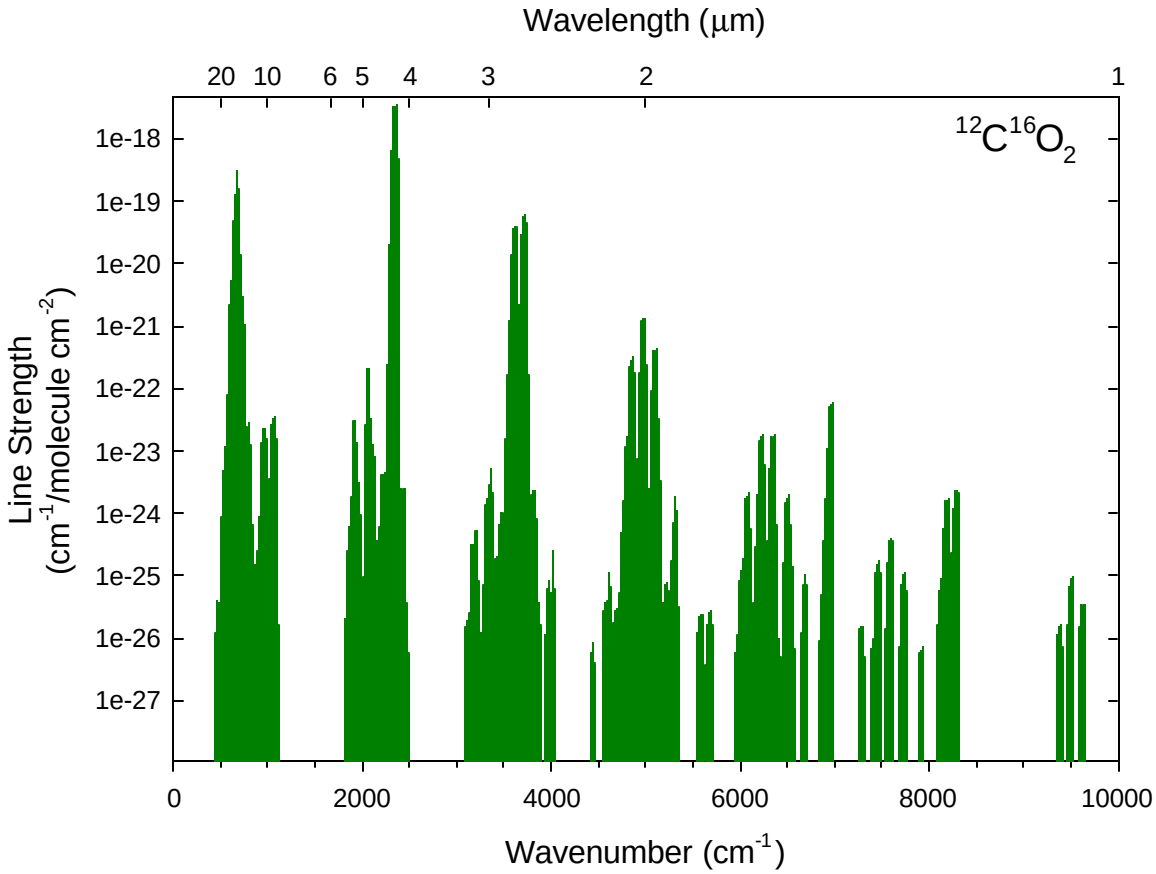
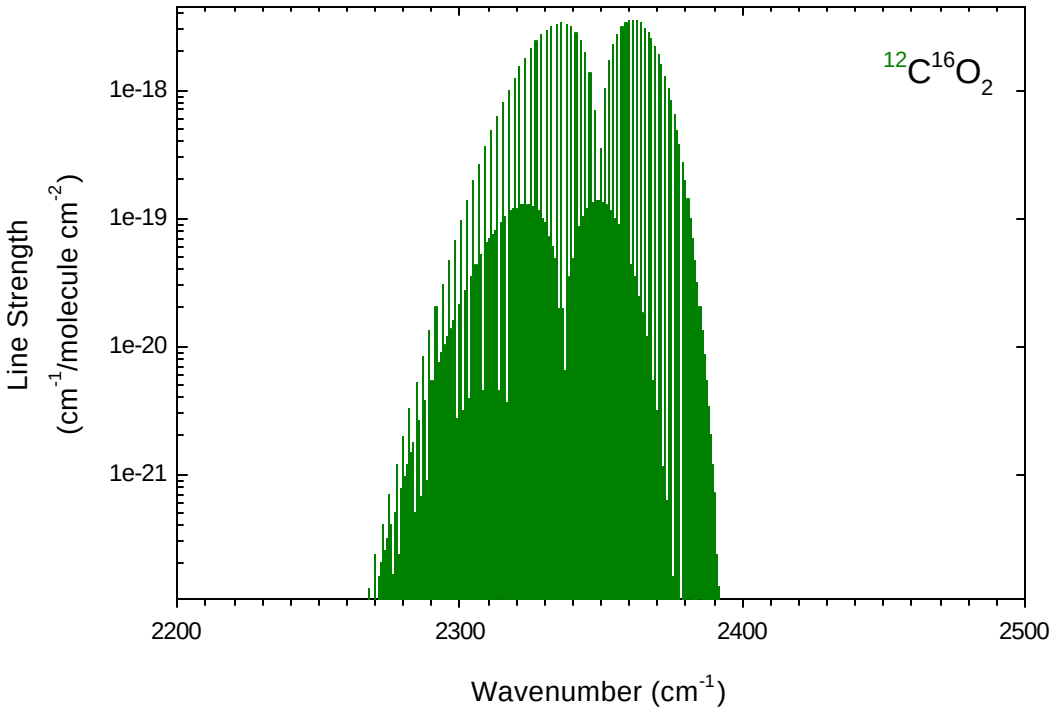
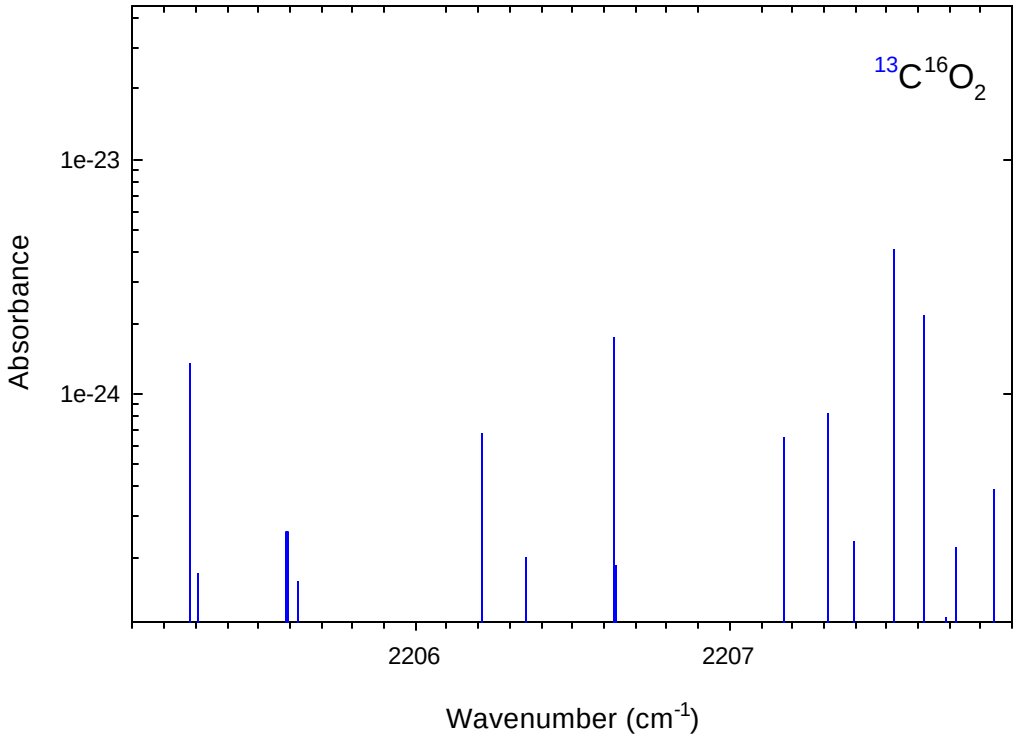
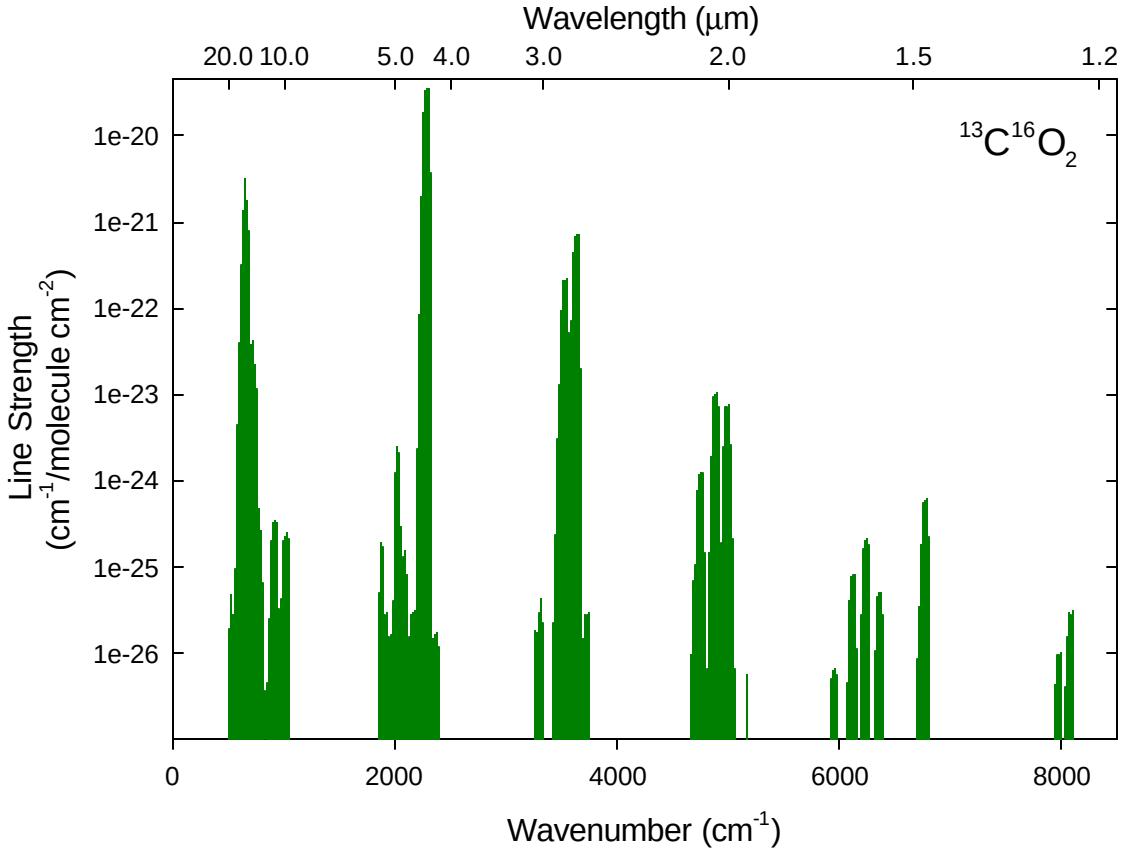
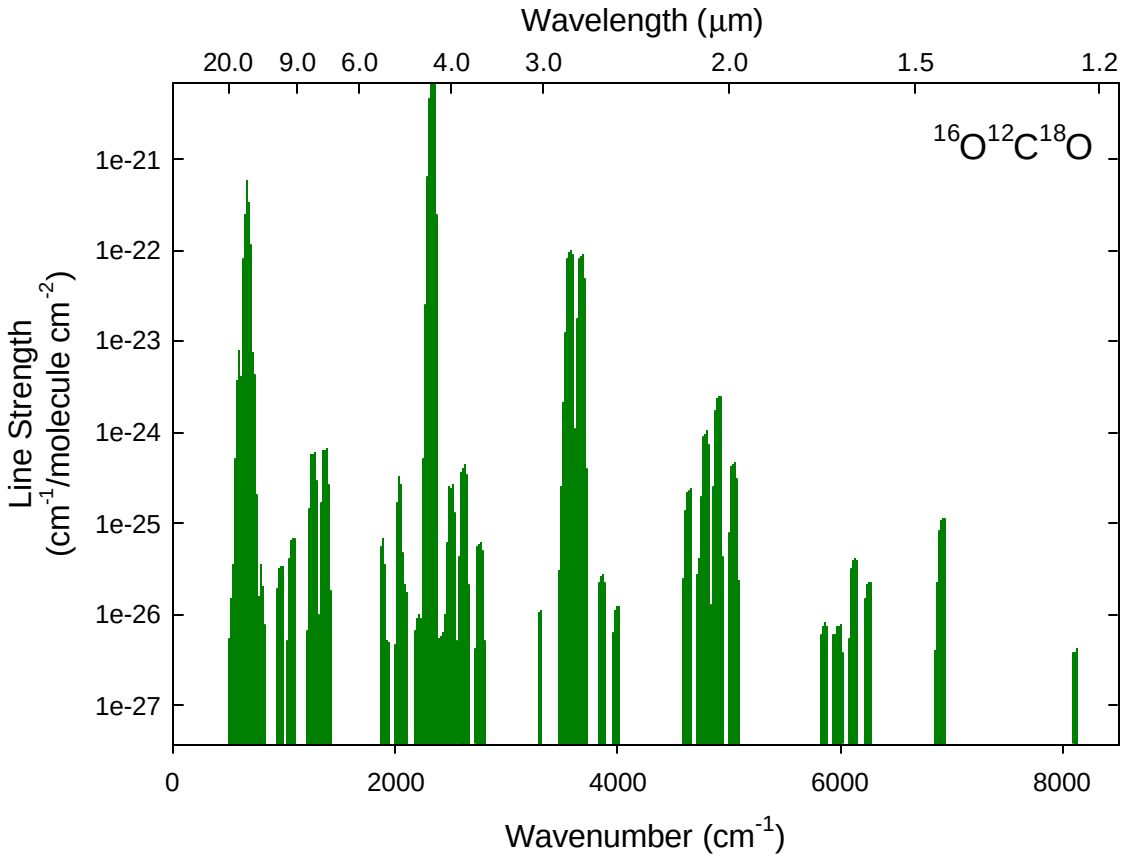

CO2 HITRAN-96
3e-23
2e-23
1e-23
Line Strength
(cm-1/molecule cm-2)
1880
1890
1900
1910
1920
1930
1940
Wavenumber (cm-1)

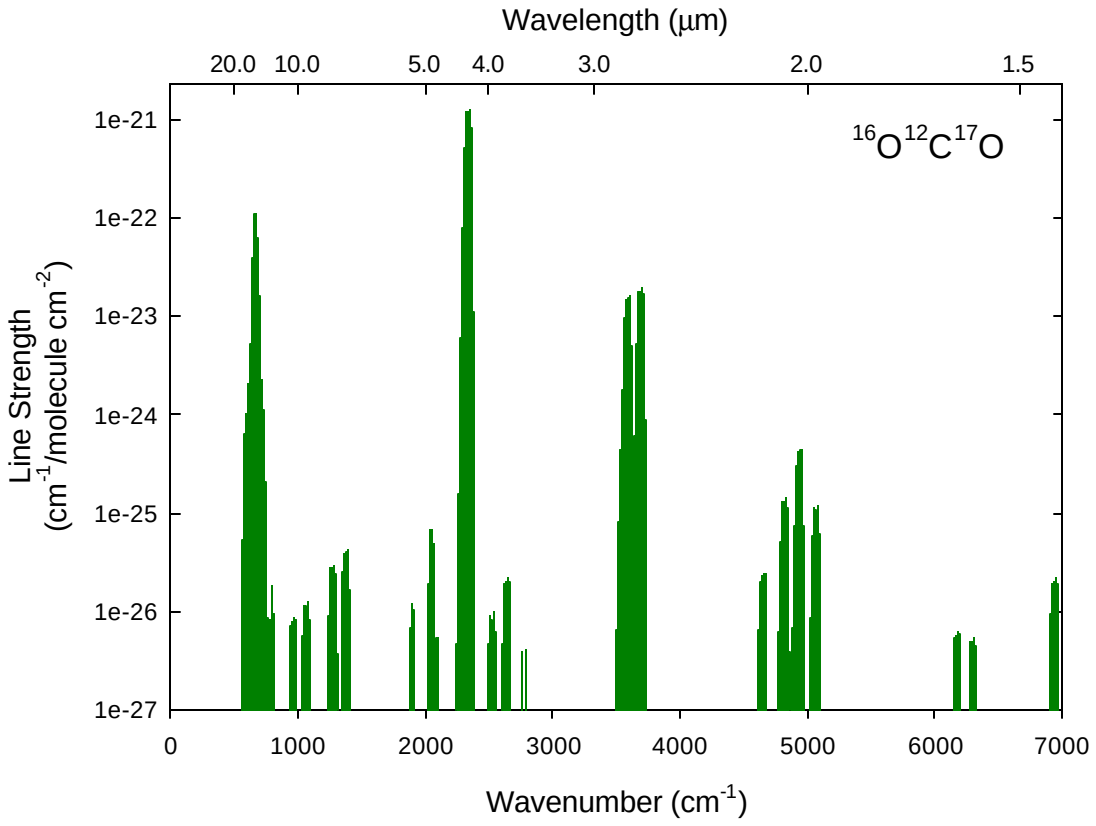

Wavelength (μm)
20
10
6
5
4
3
2
1
12C16O2
1e-18
1e-19
1e-20
1e-21
1e-22
1e-23
1e-24
1e-25
1e-26
1e-27
Line Strength
(cm-1/molecule cm-2)
0
2000
4000
6000
8000
10000
Wavenumber (cm-1)

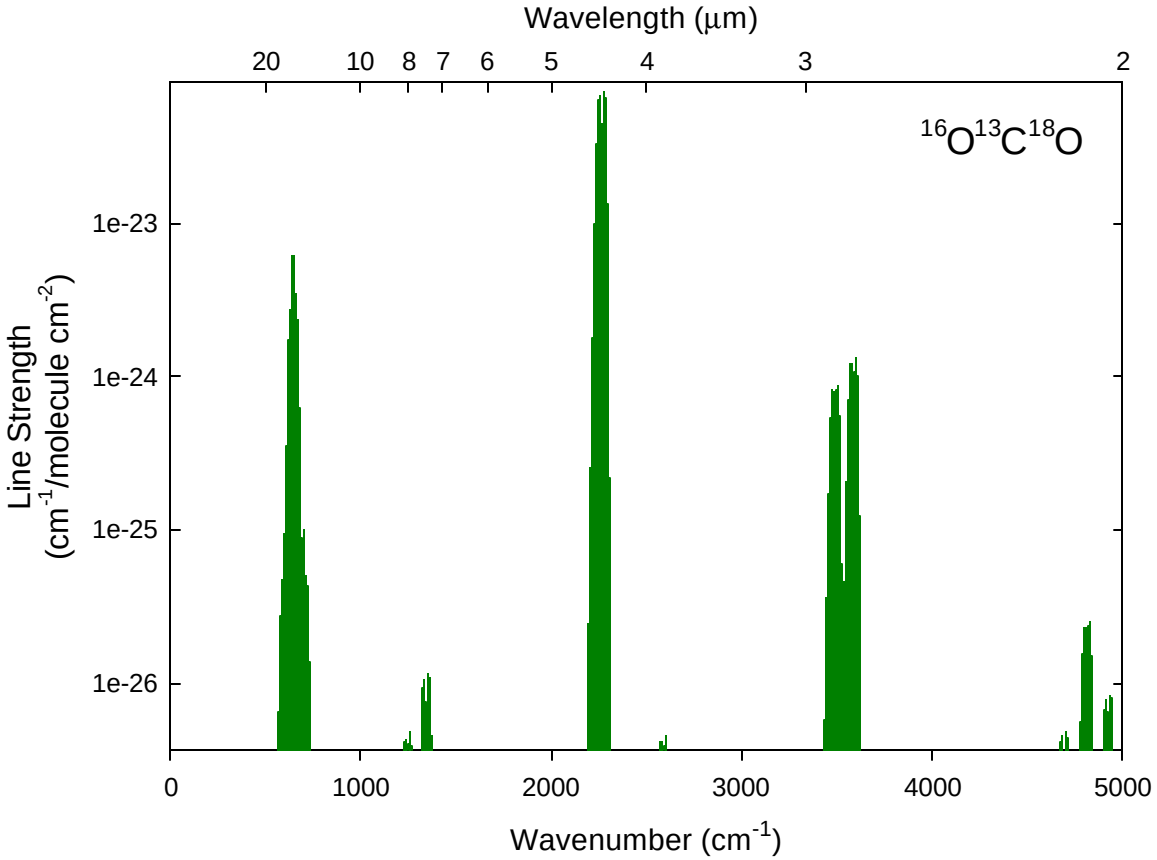

$^{12}C^{16}O_2$
Line Strength
(cm^{-1}/molecule cm^{-2})
1e-18
1e-19
1e-20
1e-21
2200
2300
2400
2500
Wavenumber (cm^{-1})

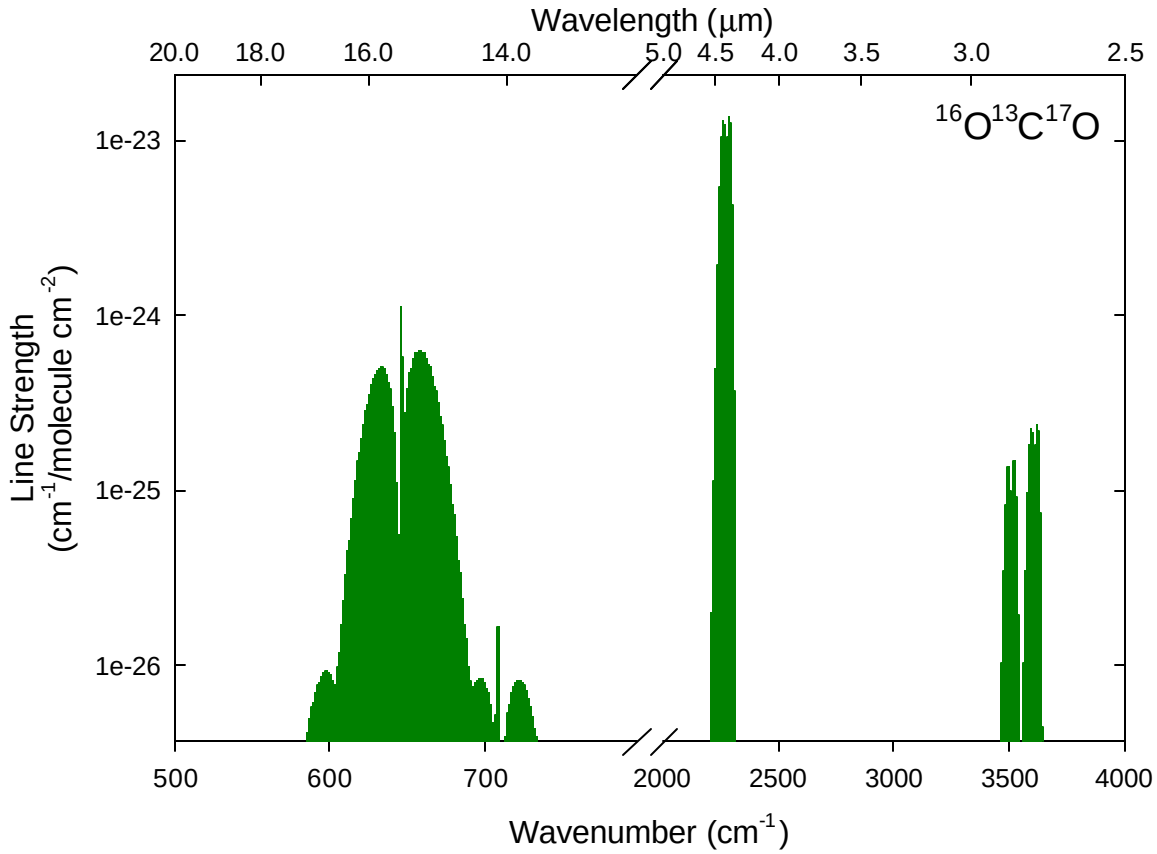

$^{13}C^{16}O_2$
Absorbance
1e-23
1e-24
2206
2207
Wavenumber (cm^{-1})

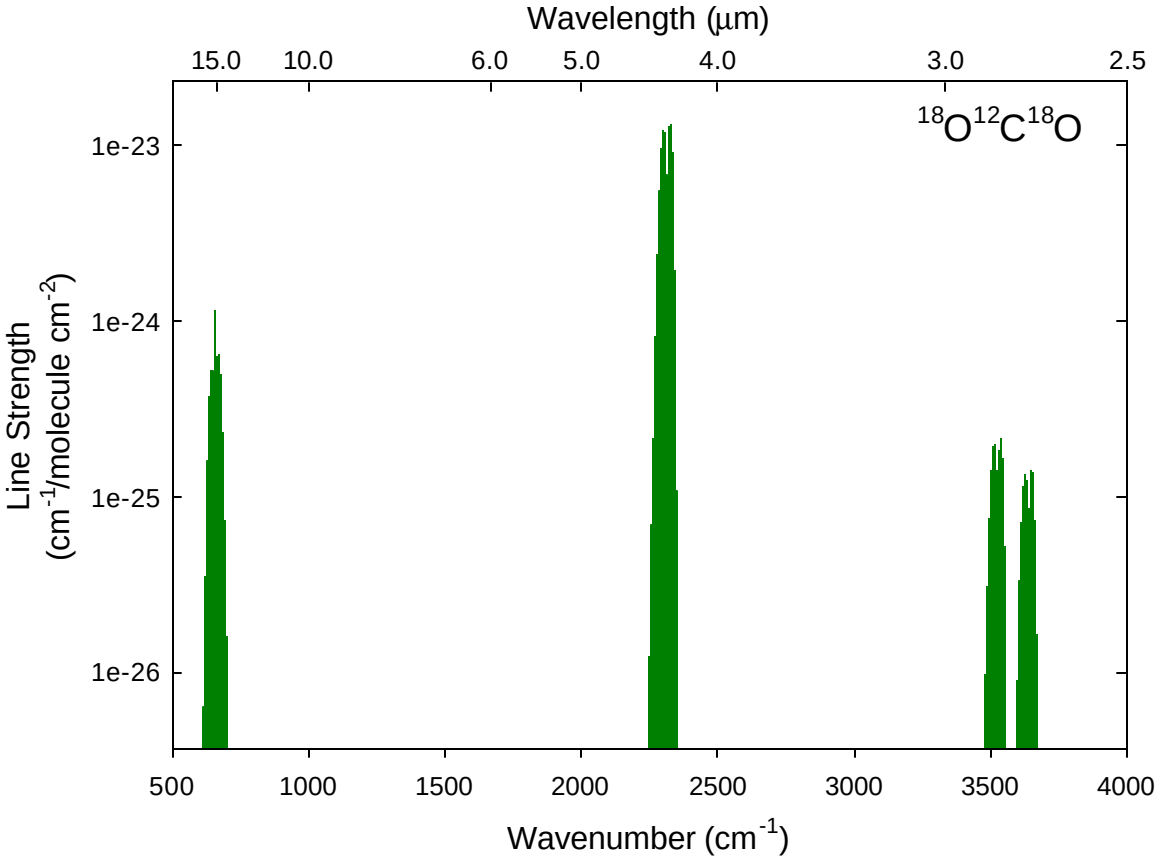

Wavelength (μm)
20.0 10.0 5.0 4.0 3.0 2.0 1.5 1.2
$^{13}C^{16}O_2$
Line Strength
(cm^{-1}/molecule cm^{-2})
1e-20
1e-21
1e-22
1e-23
1e-24
1e-25
1e-26
0 2000 4000 6000 8000
Wavenumber (cm^{-1})

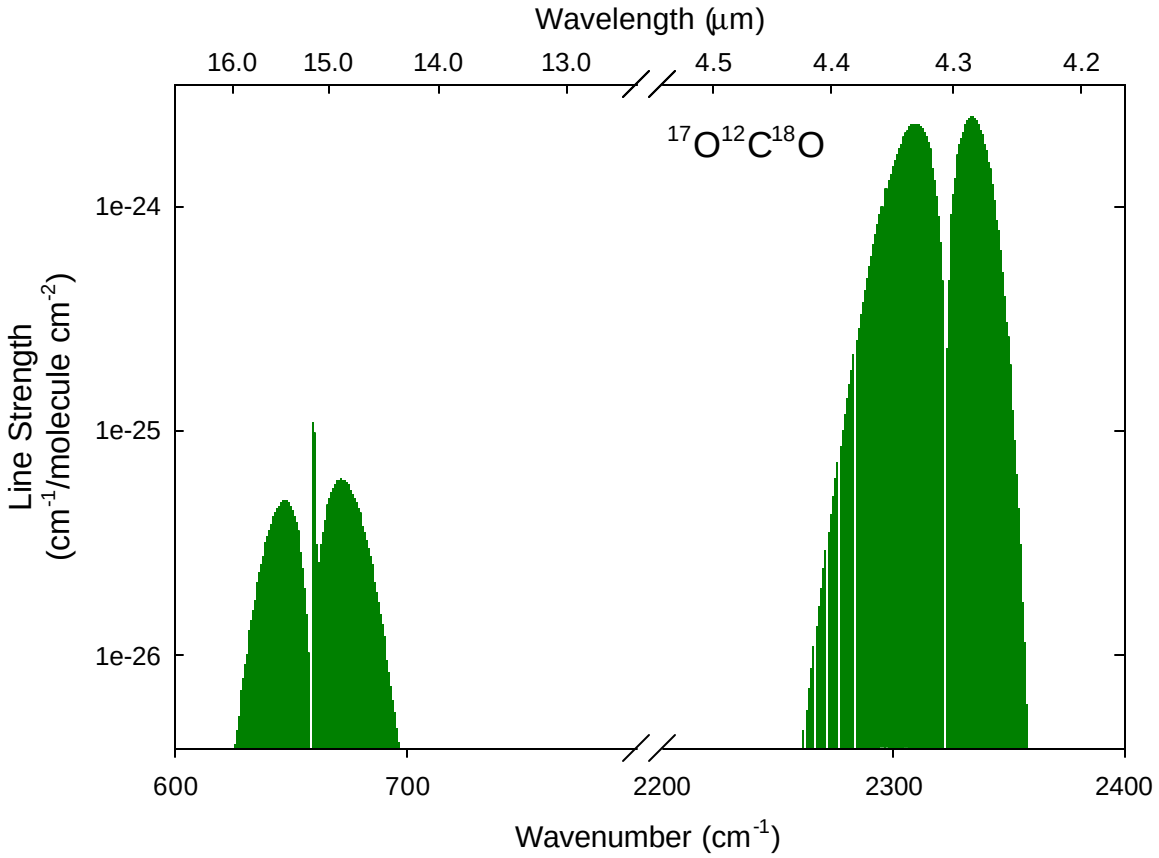

Wavelength (μm)
20.0 9.0 6.0 4.0 3.0 2.0 1.5 1.2
$^{16}O^{12}C^{18}O$
Line Strength
(cm^{-1}/molecule cm^{-2})
1e-21
1e-22
1e-23
1e-24
1e-25
1e-26
1e-27
0 2000 4000 6000 8000
Wavenumber (cm^{-1})


Wavelength (μm)
20.0
10.0
5.0
4.0
3.0
2.0
1.5
$^{16}O^{12}C^{17}O$
Line Strength
(cm^{-1}/molecule cm^{-2})
1e-21
1e-22
1e-23
1e-24
1e-25
1e-26
1e-27
0
1000
2000
3000
4000
5000
6000
7000
Wavenumber (cm^{-1})


Wavelength (μm)
20
10
8
7
6
5
4
3
2
$^{16}O^{13}C^{18}O$
Line Strength
(cm^{-1}/molecule cm^{-2})
1e-23
1e-24
1e-25
1e-26
0
1000
2000
3000
4000
5000
Wavenumber (cm^{-1})


Wavelength (μm)
20.0
18.0
16.0
14.0
5.0
4.5
4.0
3.5
3.0
2.5
$^{16}O^{13}C^{17}O$
1e-23
1e-24
1e-25
1e-26
Line Strength
(cm^{-1}/molecule cm^{-2})
500
600
700
2000
2500
3000
3500
4000
Wavenumber (cm^{-1})


Wavelength (μm)
15.0
10.0
6.0
5.0
4.0
3.0
2.5
$^{18}O^{12}C^{18}O$
1e-23
1e-24
1e-25
1e-26
Line Strength
(cm^{-1}/molecule cm^{-2})
500
1000
1500
2000
2500
3000
3500
4000
Wavenumber (cm^{-1})


Wavelength (μm)
16.0
15.0
14.0
13.0
4.5
4.4
4.3
4.2
$^{17}O^{12}C^{18}O$
1e-24
1e-25
1e-26
Line Strength
(cm^{-1}/molecule cm^{-2})
600
700
2200
2300
2400
Wavenumber (cm^{-1})