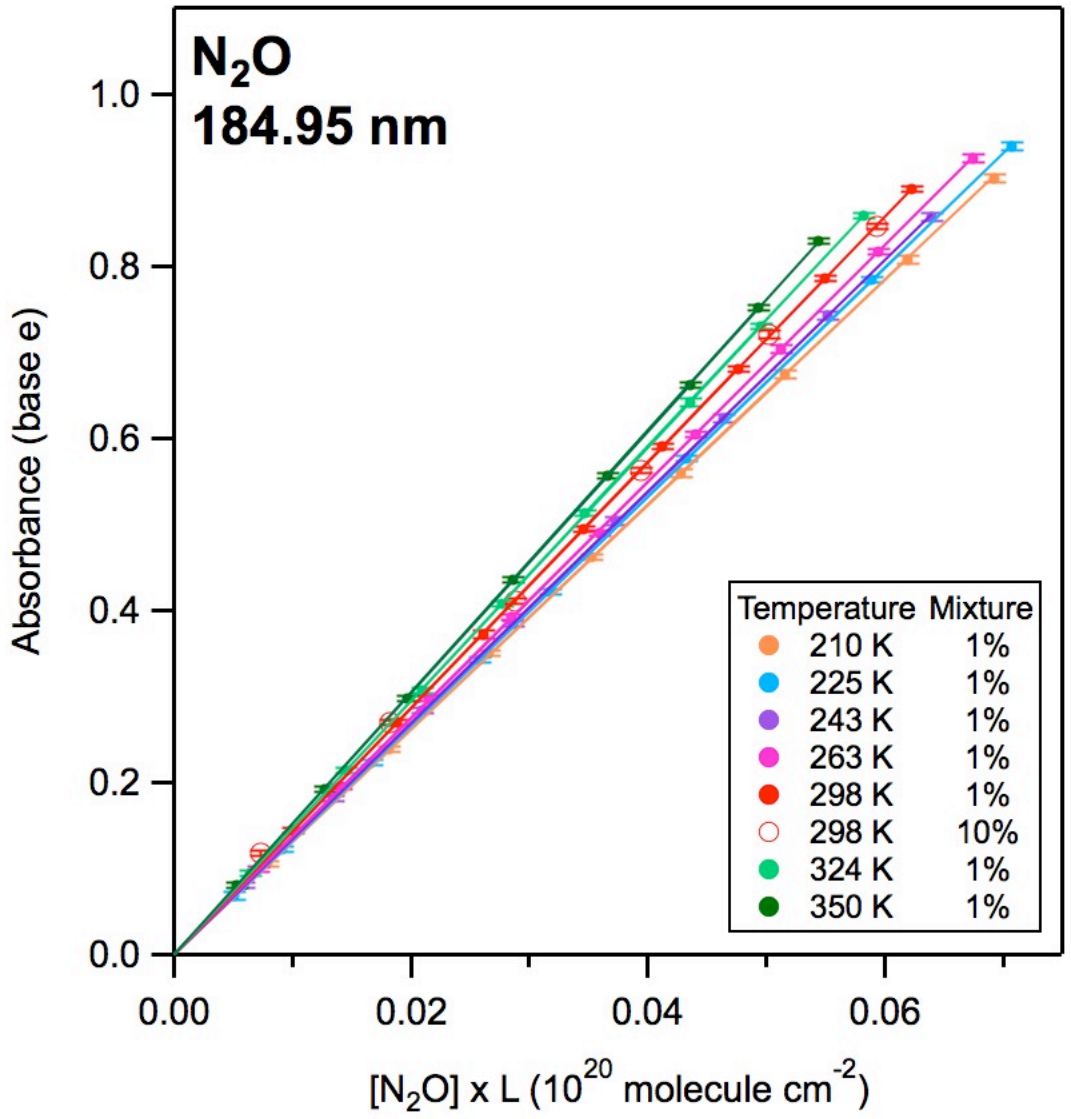
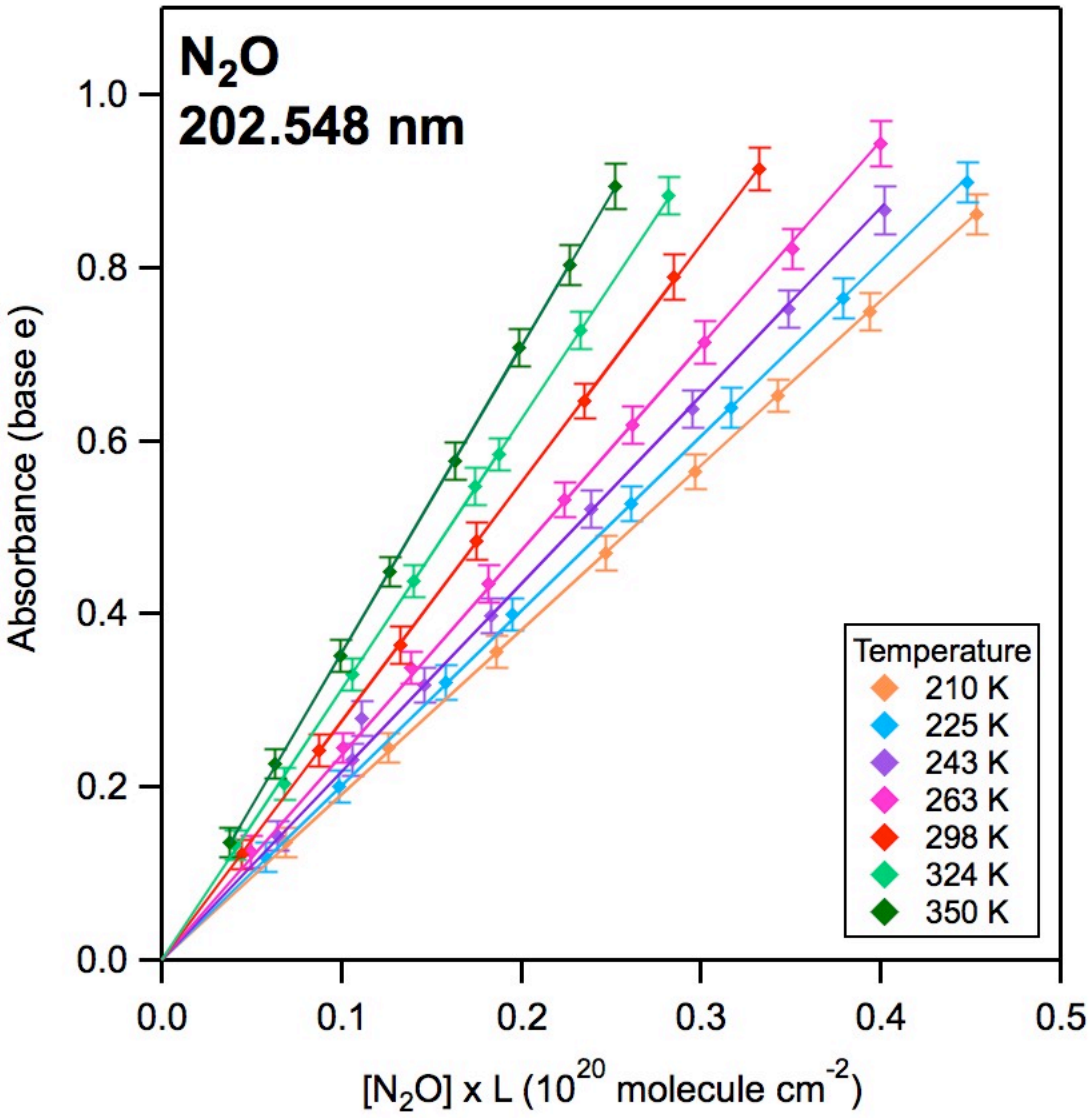
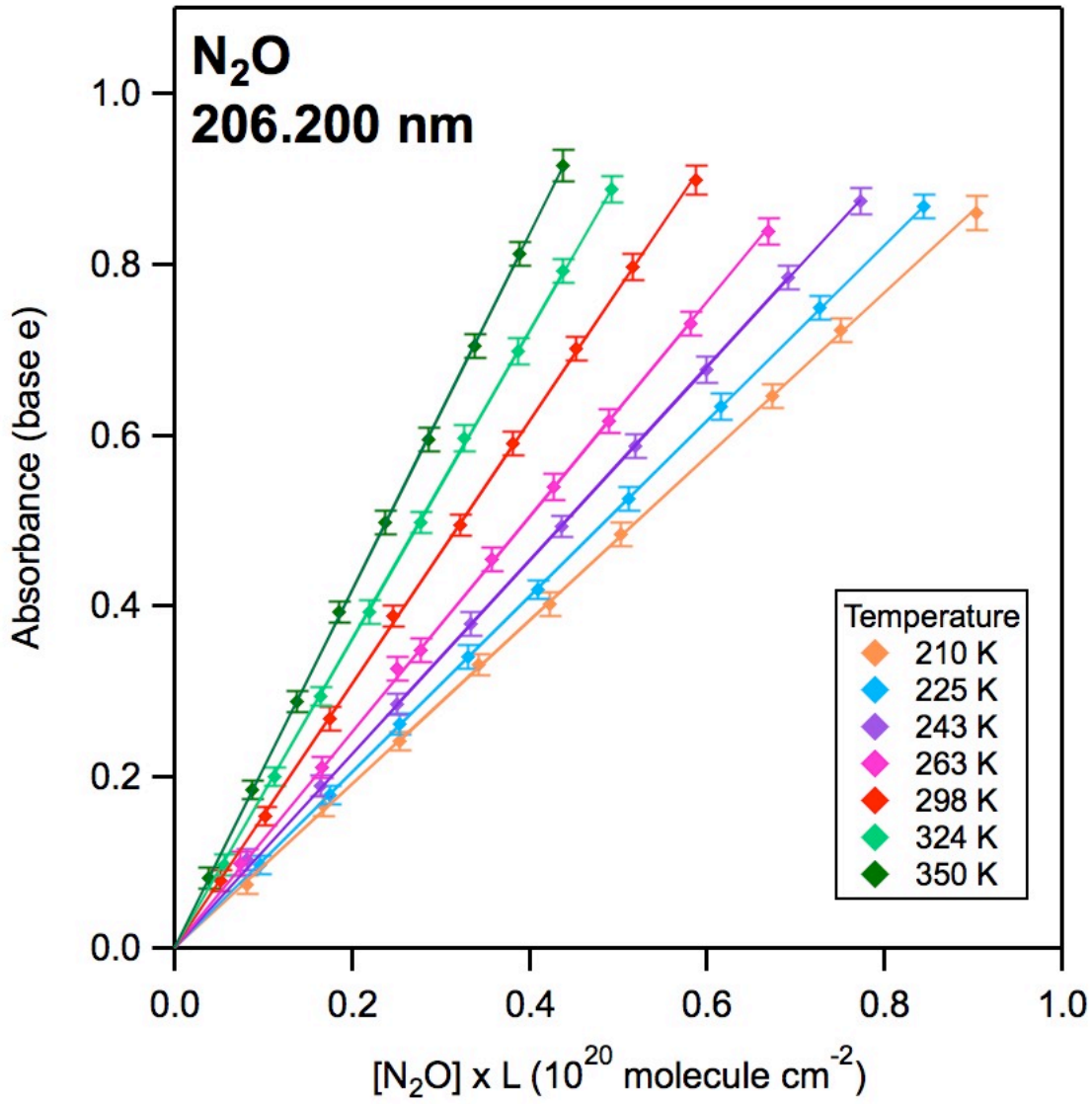
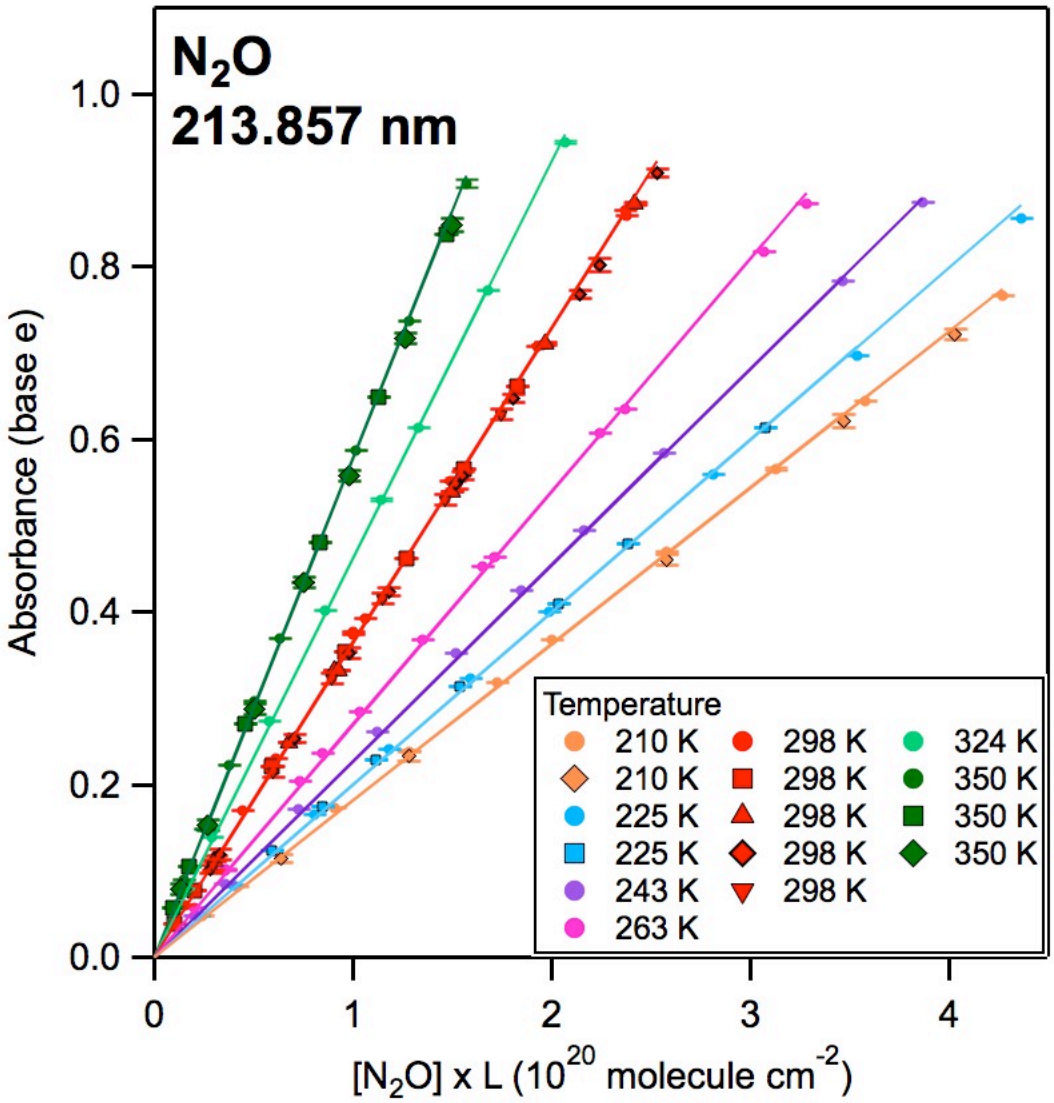
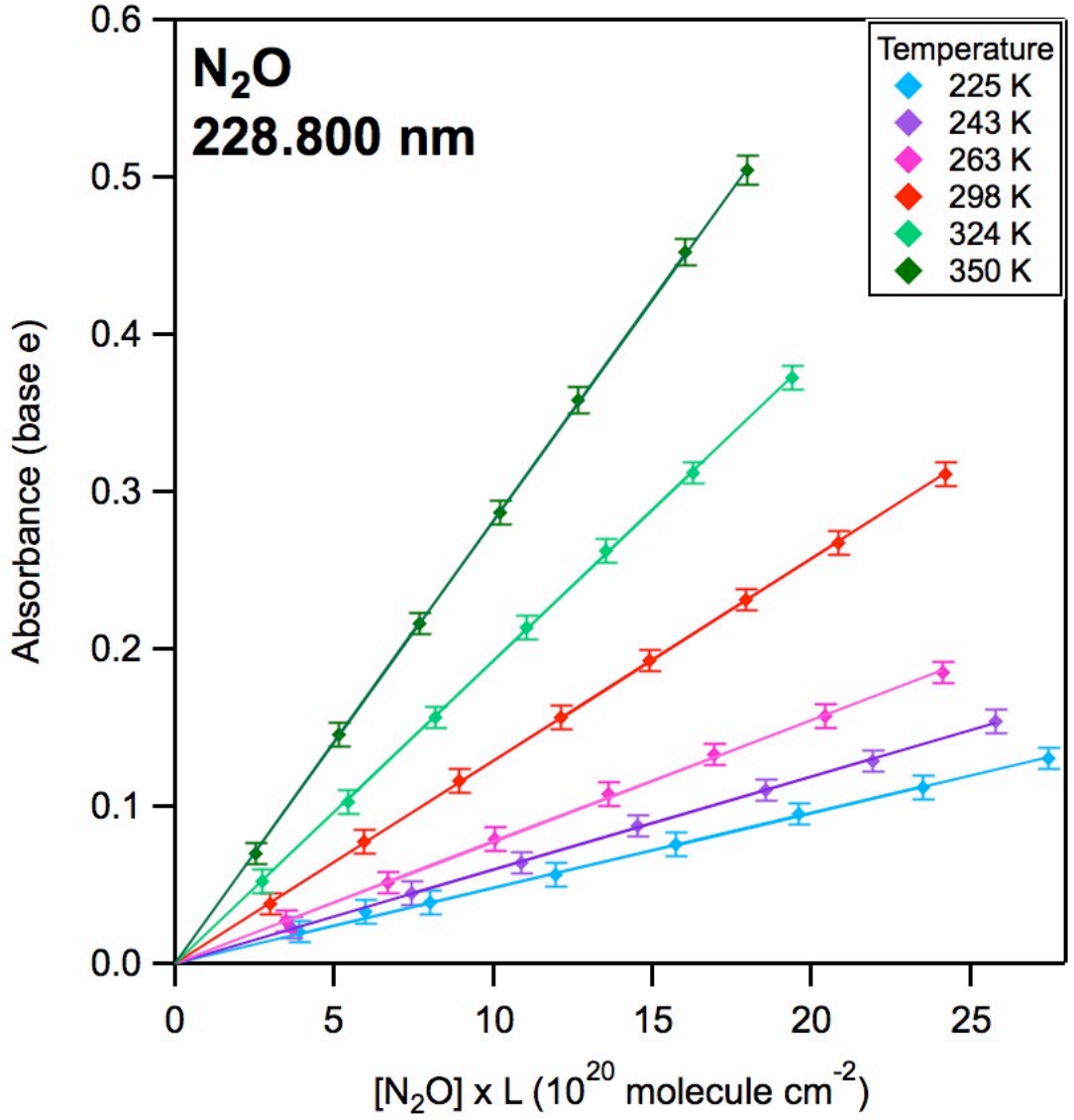
N_2O Figures: N_2O Beer-Lambert plots at the temperatures given in the legends. The majority of the absorption cross section measurements were conducted using pure N_2O samples, a photodiode detector, and an optical path length of 90.45 cm (●). Measurements under other conditions were as follows: (♦) monochromator/PMT detection, (■) photodiode detector and optical path length of 55.8 cm, (▲) photodiode detector and two narrow band-pass filters, and (▼) monochromator/PMT detection and a 10% N_2O/He mixture.



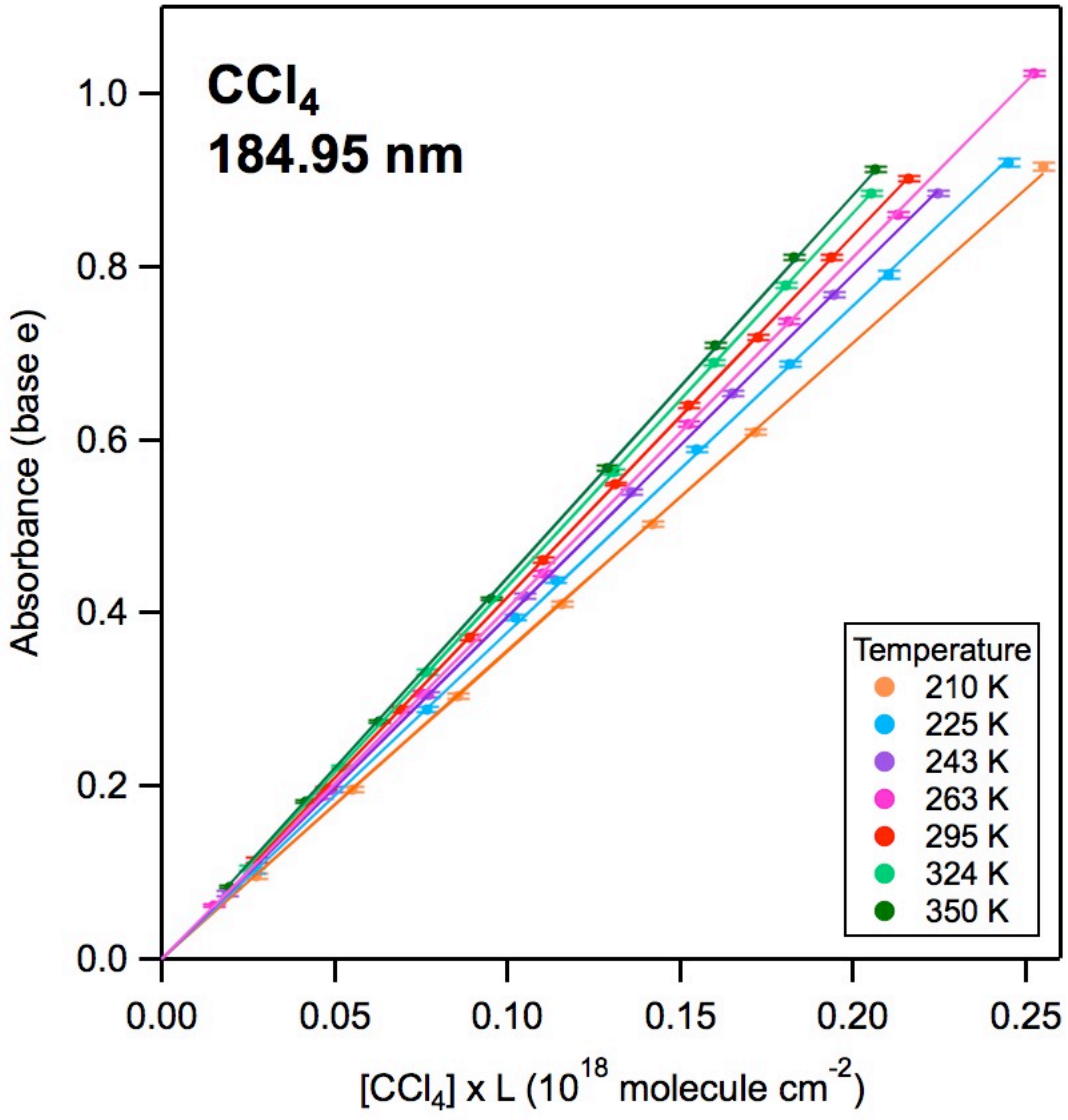

N2O
202.548 nm
Absorbance (base e)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.1
0.2
0.3
0.4
0.5
[N2O] x L (10^20 molecule cm^-2)
Temperature
210 K
225 K
243 K
263 K
298 K
324 K
350 K

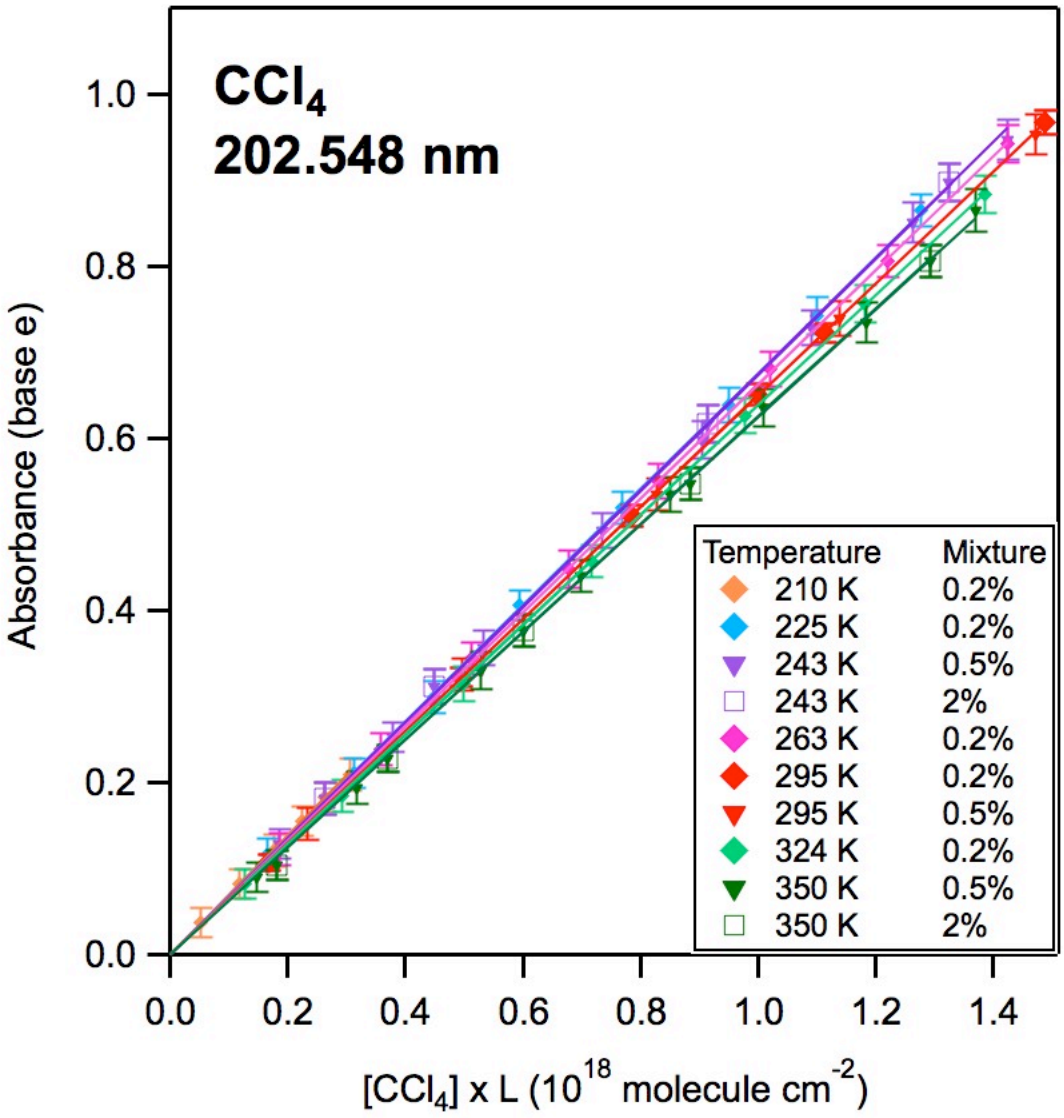

N2O
206.200 nm
Absorbance (base e)
[N2O] x L (10^20 molecule cm^-2)
0.0
0.2
0.4
0.6
0.8
1.0
Temperature
210 K
225 K
243 K
263 K
298 K
324 K
350 K

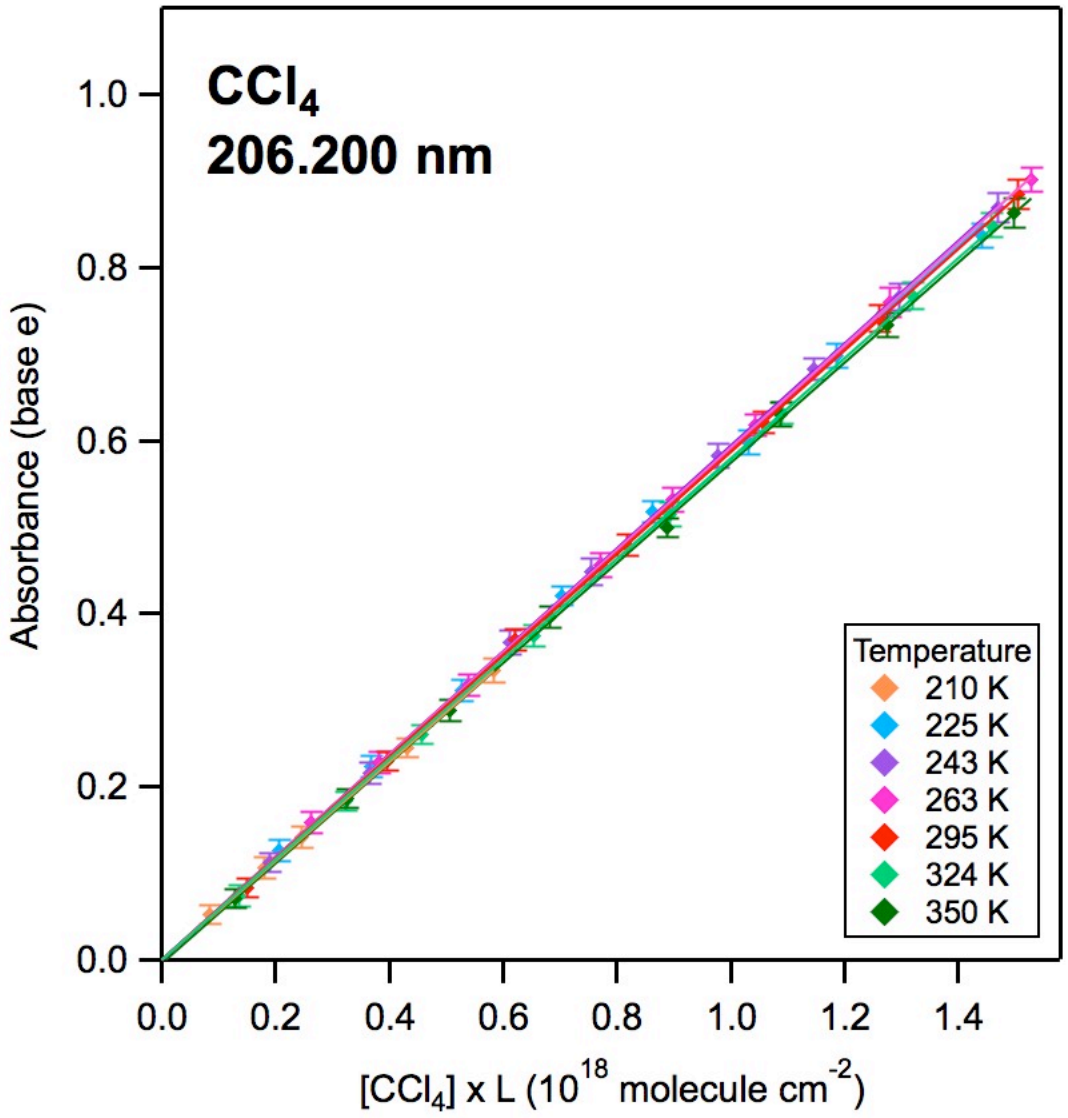

N2O
213.857 nm
Absorbance (base e)
1.0
0.8
0.6
0.4
0.2
0.0
0
1
2
3
4
[N2O] x L (10^20 molecule cm^-2)
Temperature
210 K
210 K
225 K
225 K
243 K
263 K
298 K
298 K
298 K
298 K
298 K
324 K
350 K
350 K
350 K

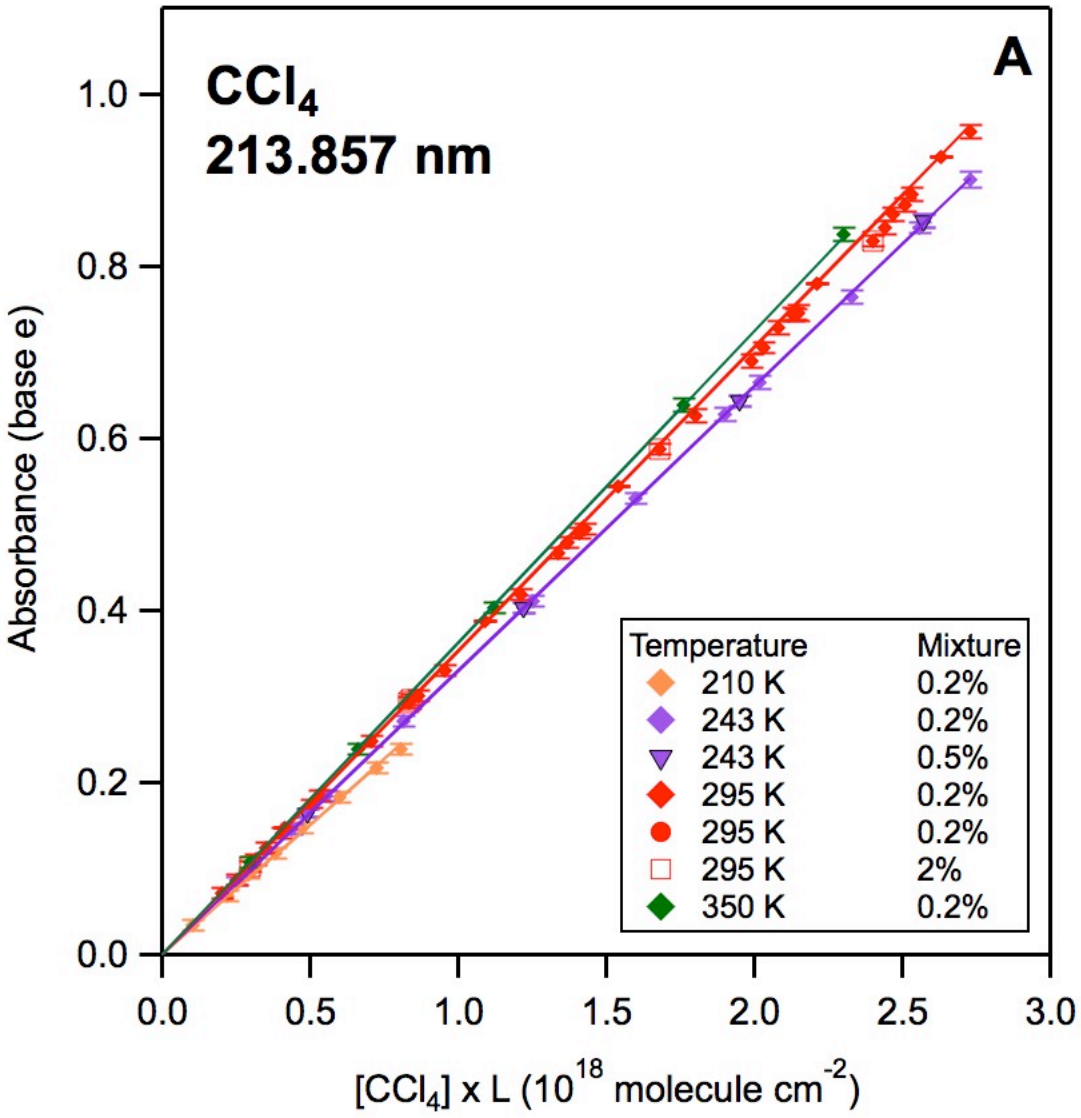

N2O
228.800 nm
Temperature
225 K
243 K
263 K
298 K
324 K
350 K
Absorbance (base e)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
5
10
15
20
25
[N2O] x L (10^20 molecule cm^-2)

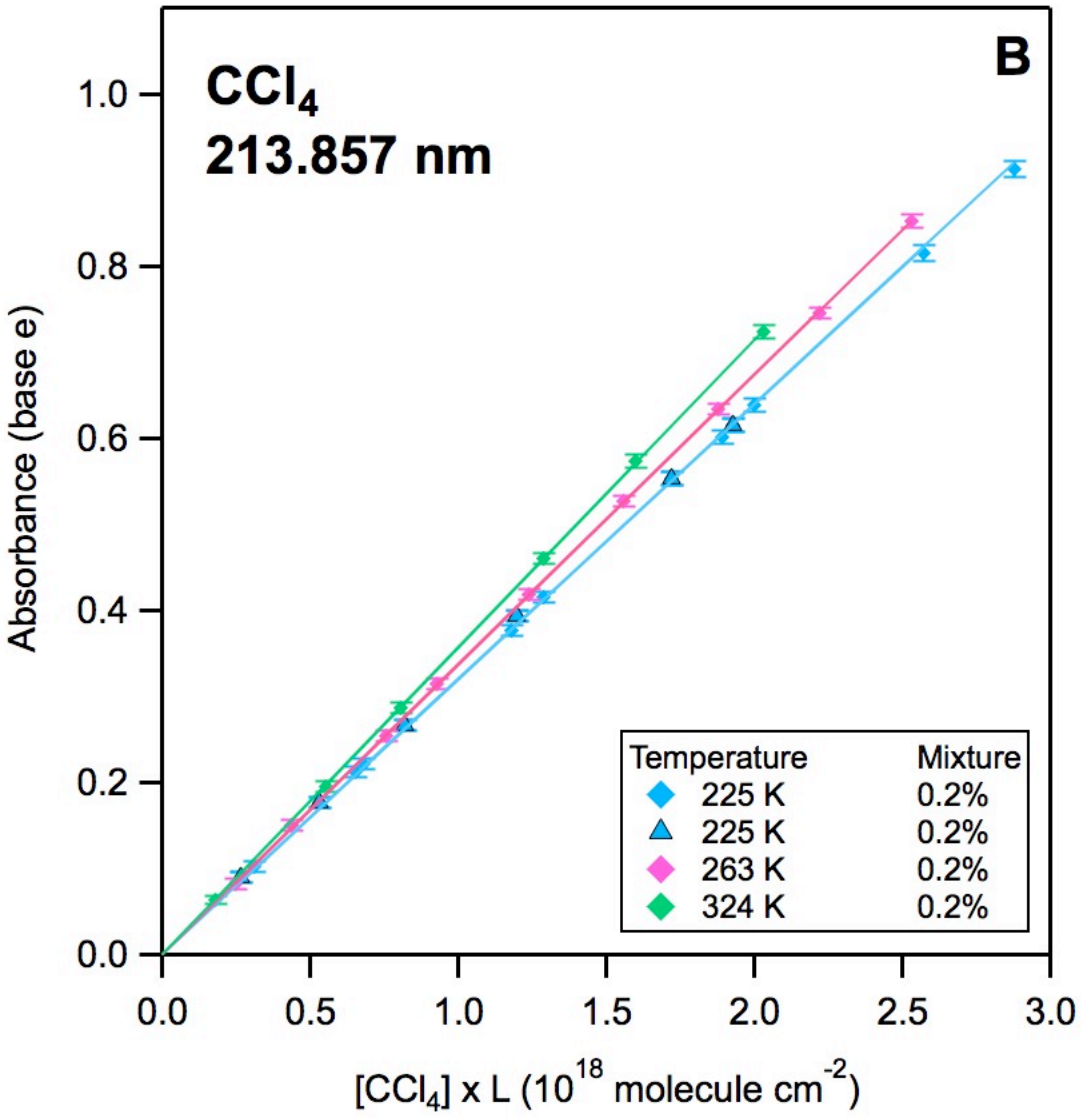
CCl_4 Figures: Beer-Lambert plots of CCl_4 at the temperatures given in the legend. The majority of the absorption cross section measurements were conducted using a 0.2% CCl_4/He mixture, monochromator/PMT detection, and an optical pathlength of 90.45 cm (♦). Measurements under other conditions were as follows: (●) photodiode detection, (▲) monochromator/PMT detection and optical pathlength of 55.8 cm, (□) monochromator/PMT detection and 2% CCl_4/He mixture, and (▼) monochromator/PMT detection and 0.5% CCl_4/He mixture.

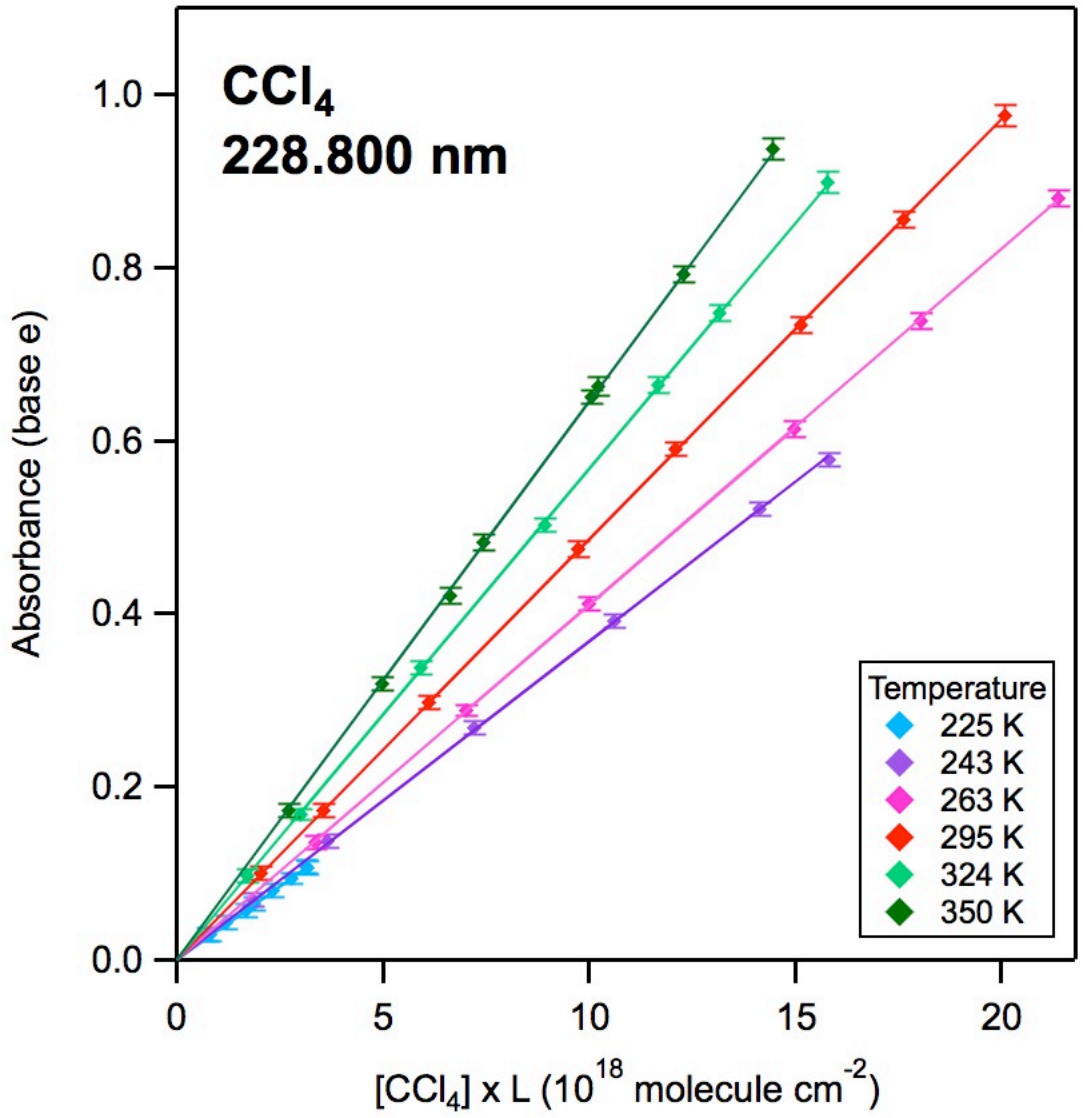



CCl4
202.548 nm
Absorbance (base e)
[CCl4] x L (10^18 molecule cm^-2)
Temperature Mixture
210 K 0.2%
225 K 0.2%
243 K 0.5%
243 K 2%
263 K 0.2%
295 K 0.2%
295 K 0.5%
324 K 0.2%
350 K 0.5%
350 K 2%


CCl4
206.200 nm
Absorbance (base e)
0.0
0.2
0.4
0.6
0.8
1.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
[CCl4] x L (10^18 molecule cm^-2)
Temperature
210 K
225 K
243 K
263 K
295 K
324 K
350 K


A
CCl4
213.857 nm
Absorbance (base e)
[CCl4] x L (10^18 molecule cm^-2)
Temperature
Mixture
210 K 0.2%
243 K 0.2%
243 K 0.5%
295 K 0.2%
295 K 0.2%
295 K 2%
350 K 0.2%


B
CCl4
213.857 nm
Absorbance (base e)
[CCl4] x L (10^18 molecule cm^-2)
Temperature
Mixture
225 K 0.2%
225 K 0.2%
263 K 0.2%
324 K 0.2%


CCl4
228.800 nm
Absorbance (base e)
[CCl4] x L (10^18 molecule cm^-2)
Temperature
225 K
243 K
263 K
295 K
324 K
350 K
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20