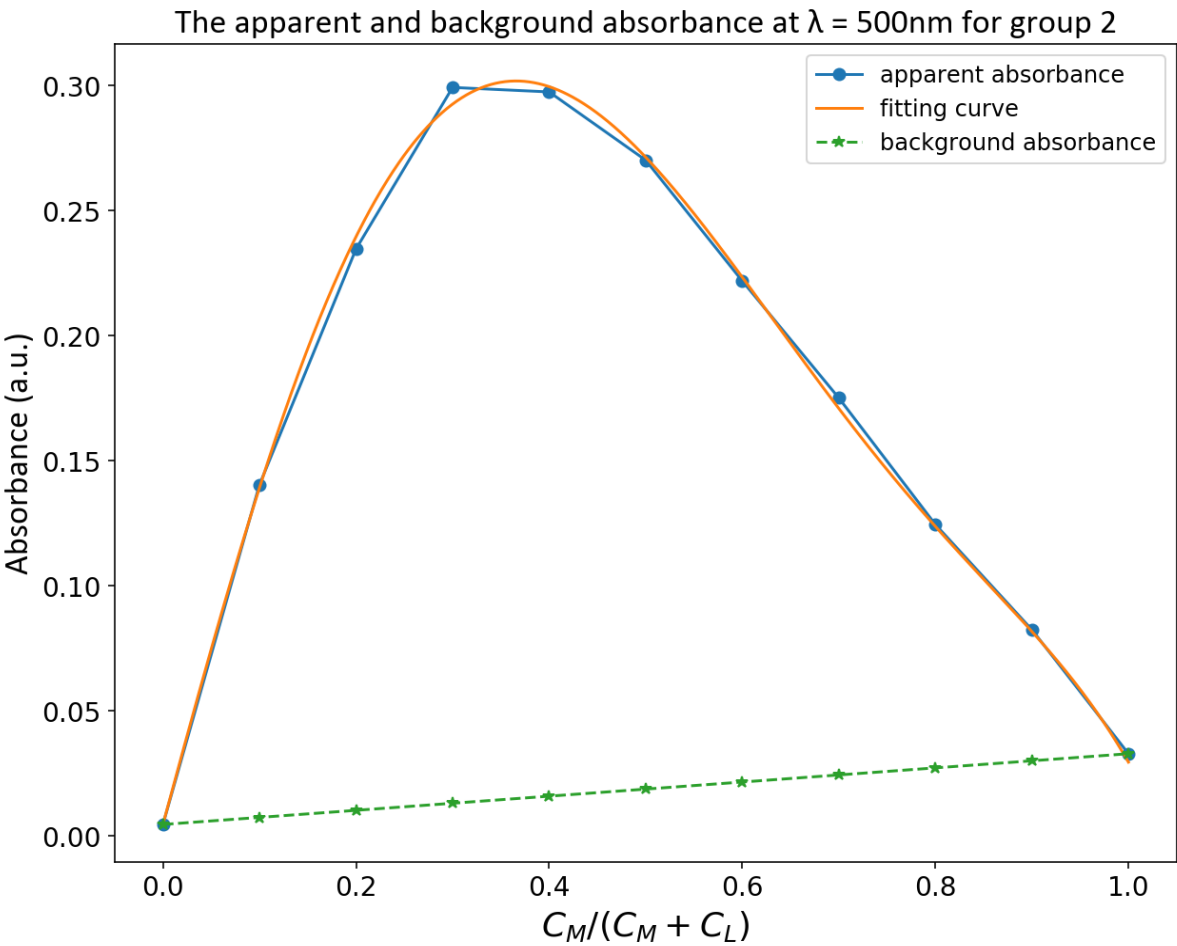
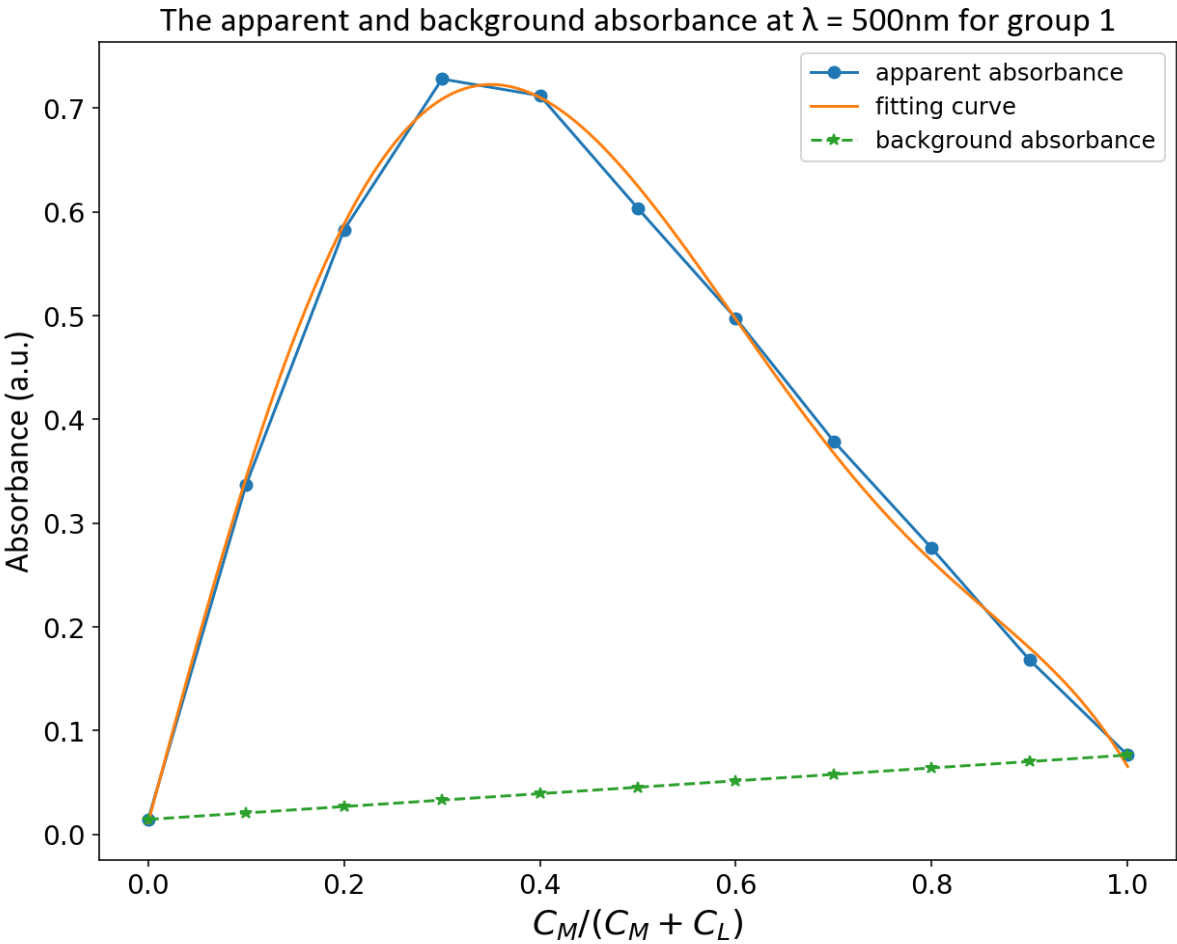
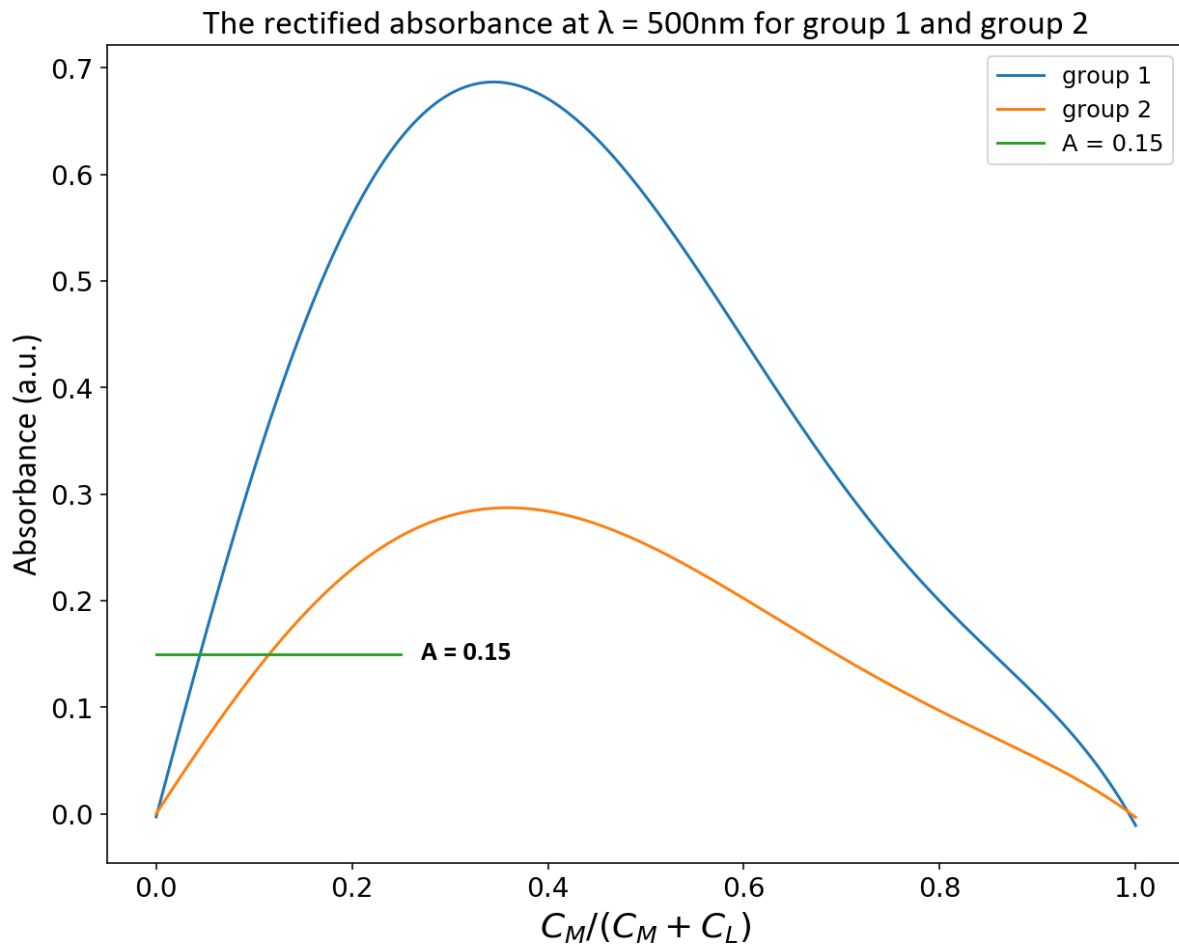


未校正的吸光度 (at $\lambda = 500nm$)



已校正的吸光度 (at $\lambda = 500nm$)



由上图可知，校正后的吸光度在 $C_M / C_M + C_L = 0.35$ 取到最大值，所以 $n = C_L / C_M = 1/0.35 - 1 = 1.857 \approx 2$.

做 $A = 0.15$ 的水平线与两曲线分别交于 $x = 0.0448, x = 0.1154$

再根据方程

$$K = \frac{y}{(C_{M1} - y)(C_{L1} - ny)^n} = \frac{y}{(C_{M2} - y)(C_{L2} - ny)^n}$$

代入数据解得: $y = 0.02109 \text{ mmol}$, $K = 8.5 \times 10^7 \text{ mol}^{-2} \text{ L}^2$