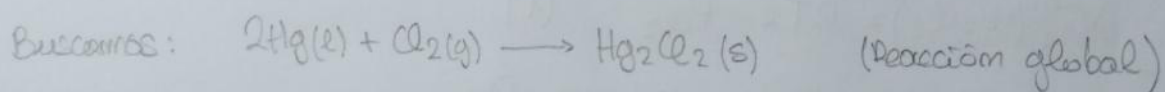
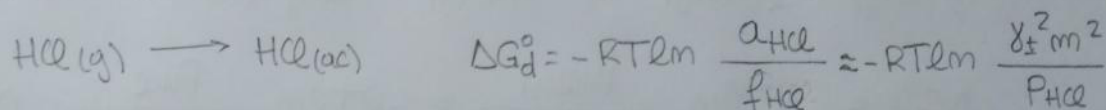
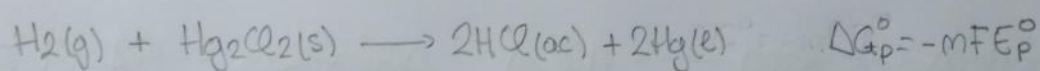
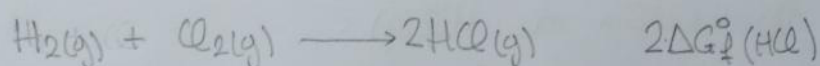


Creo que el problema se simplifica bastante haciendo Hess:



Tenemos datos de:



Si operamos:

$$\Delta G_f^\circ(\text{Hg}_2\text{Cl}_2) = 2\Delta G_f^\circ(\text{HCl}) + mFE_p^\circ + 2\Delta G_d^\circ(\text{HCl})$$

$$\Delta G_f^\circ(\text{Hg}_2\text{Cl}_2) = -2.92299 + 2.016500 \cdot 0.268 - 2.31 \cdot 2.98 \ln \frac{(1.762 \cdot 4)^2}{0.2395 \cdot 10^{-4}}$$

$$\boxed{\Delta G_f^\circ(\text{Hg}_2\text{Cl}_2) = -205 \text{ kJ mol}^{-1}}$$