

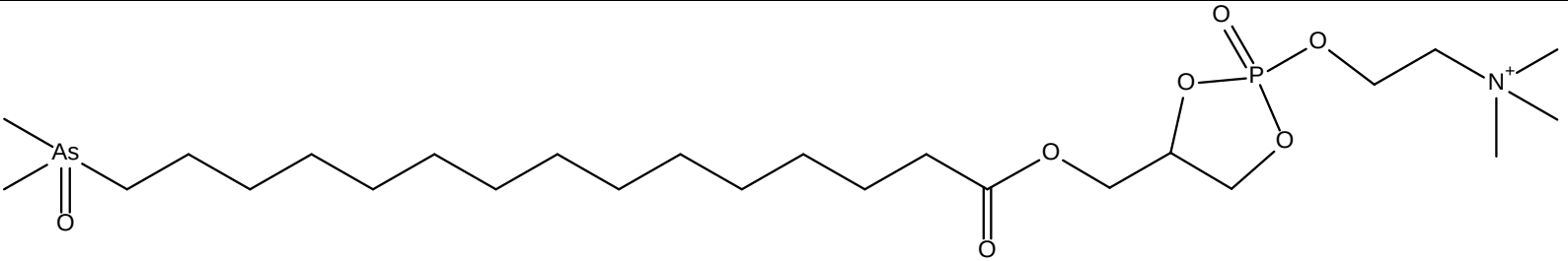
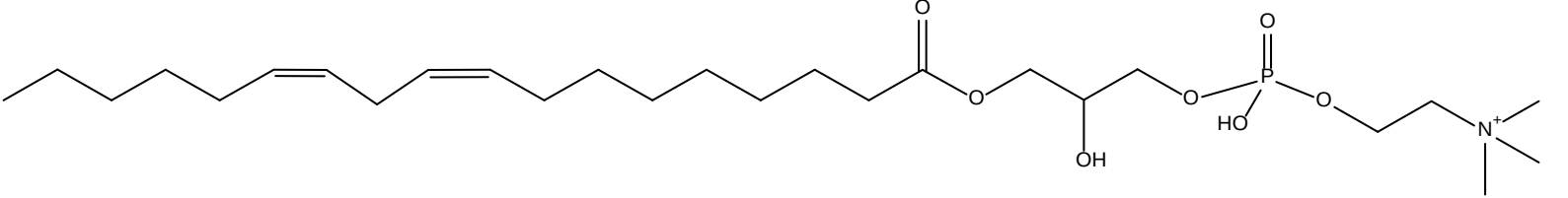
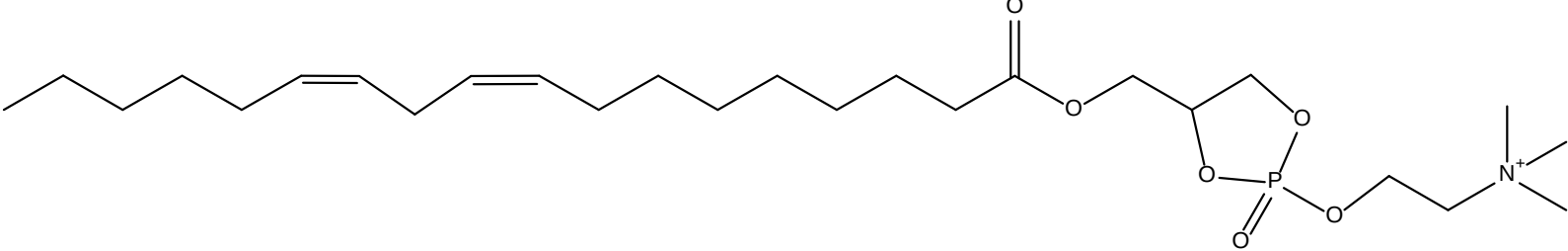
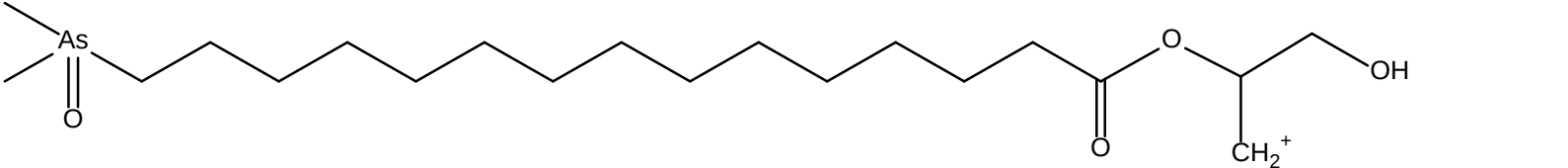
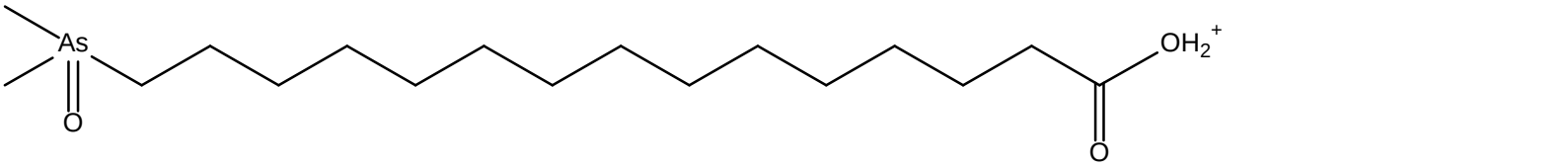
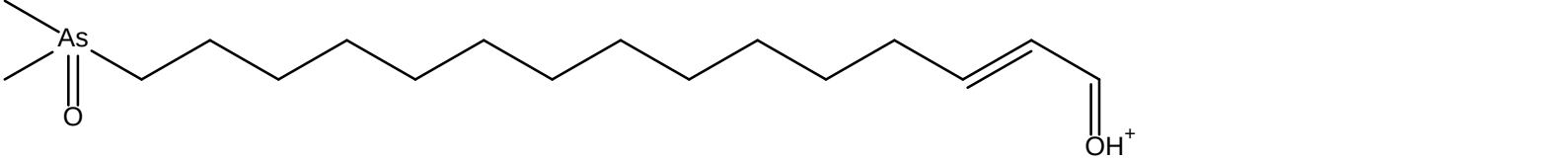
Supplements

Arsenolipids in the green alga *Coccomyxa* (Trebouxiophyceae, Chlorophyta) Tomáš

Řezanka^{1✉}, Linda Nedbalová², Dovilė Barcytė², Milada Vítová³, Karel Sigler¹

Table 1S. Tandem MS of 18:2/(Me₂As(O)-15:0-PC.

Chemical Formula	<i>m/z</i>	Structure
C ₄₃ H ₈₄ AsNO ₉ P ⁺	864.5094	
C ₄₀ H ₇₅ AsO ₉ P ⁺	805.4359	
C ₃₈ H ₇₀ AsO ₅ ⁺	681.4434	
C ₂₅ H ₅₄ AsNO ₈ P ⁺	602.2798	

$\text{C}_{25}\text{H}_{52}\text{AsNO}_7\text{P}^+$	584.2692	
$\text{C}_{26}\text{H}_{51}\text{NO}_7\text{P}^+$	520.3398	
$\text{C}_{26}\text{H}_{49}\text{NO}_6\text{P}^+$	502.3292	
$\text{C}_{20}\text{H}_{40}\text{AsO}_4^+$	419.2137	
$\text{C}_{17}\text{H}_{36}\text{AsO}_3^+$	363.1875	
$\text{C}_{17}\text{H}_{34}\text{AsO}_2^+$	345.1769	

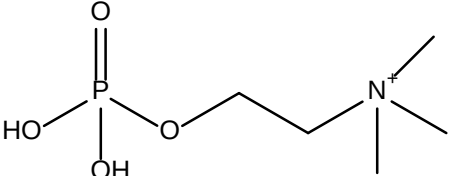
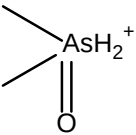
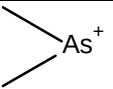
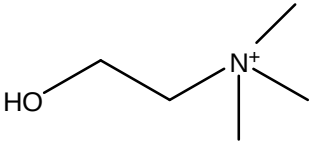
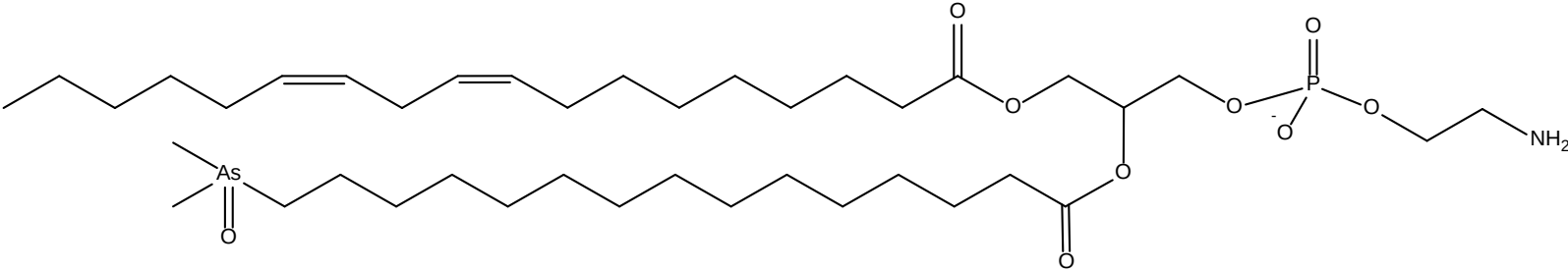
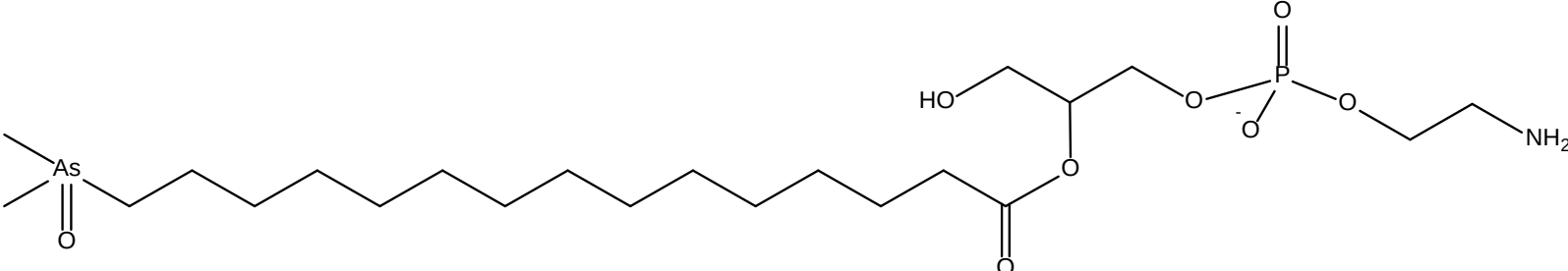
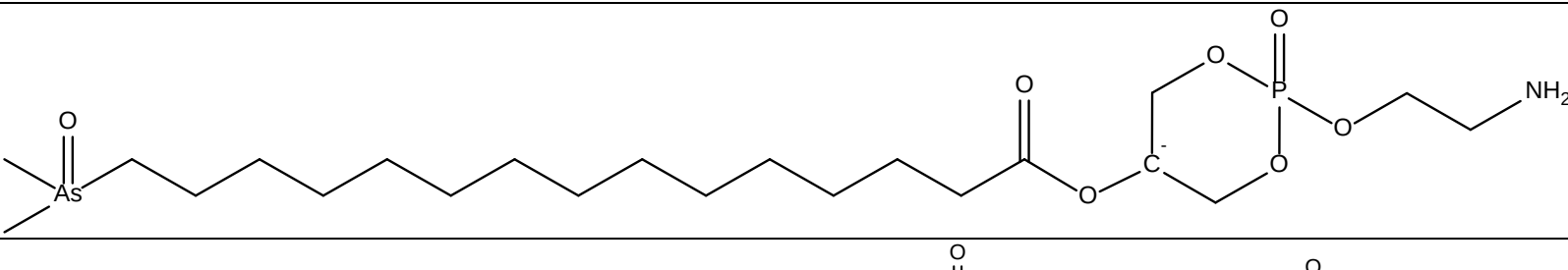
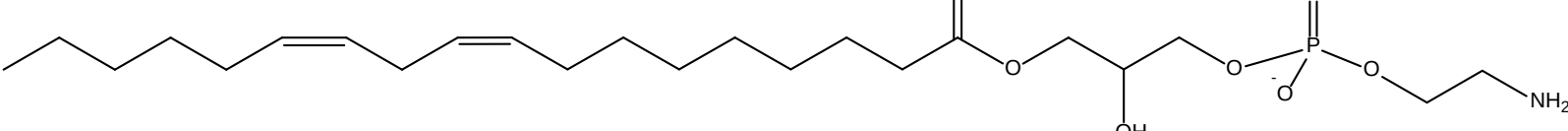
$\text{C}_5\text{H}_{15}\text{NO}_4\text{P}^+$	184.0733	
$\text{C}_2\text{H}_8\text{AsO}^+$	122.9786	
$\text{C}_2\text{H}_6\text{As}^+$	104.9680	
$\text{C}_5\text{H}_{14}\text{NO}^+$	104.1070	

Table 2S. Tandem MS of 18:2/(Me₂As(O)-15:0-PE

Chemical Formula	<i>m/z</i>	Structure
C ₄₀ H ₇₆ AsNO ₉ P ⁻	820.4479	
C ₂₂ H ₄₆ AsNO ₈ P ⁻	558.2182	
C ₂₂ H ₄₄ AsNO ₇ P ⁻	540.2077	
C ₂₃ H ₄₃ NO ₇ P ⁻	476.2783	

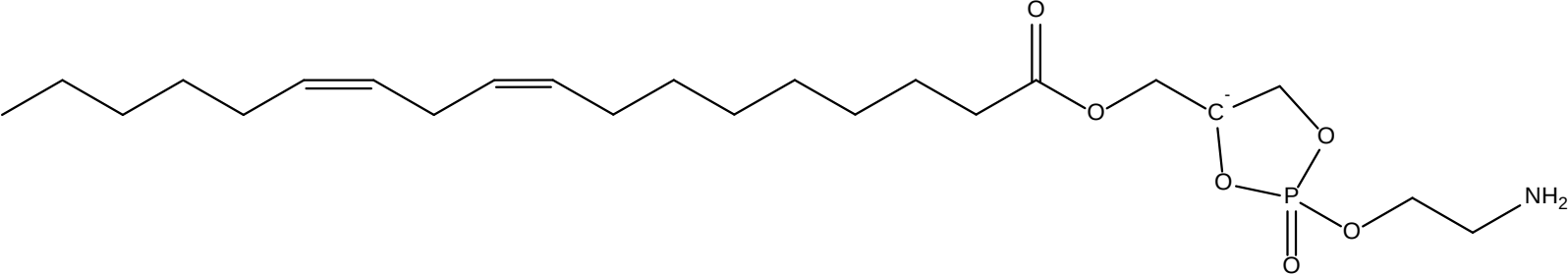
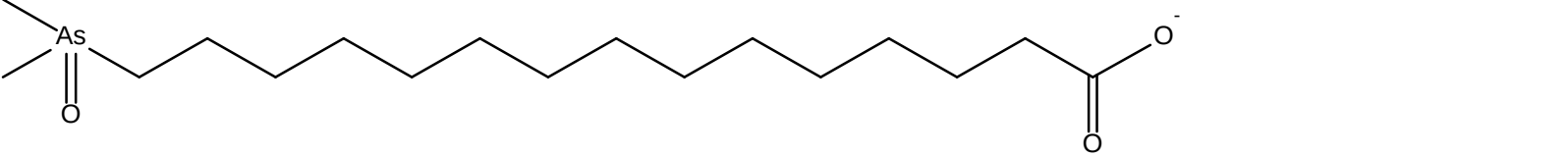
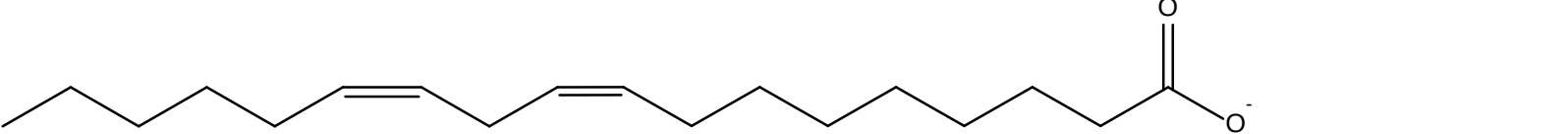
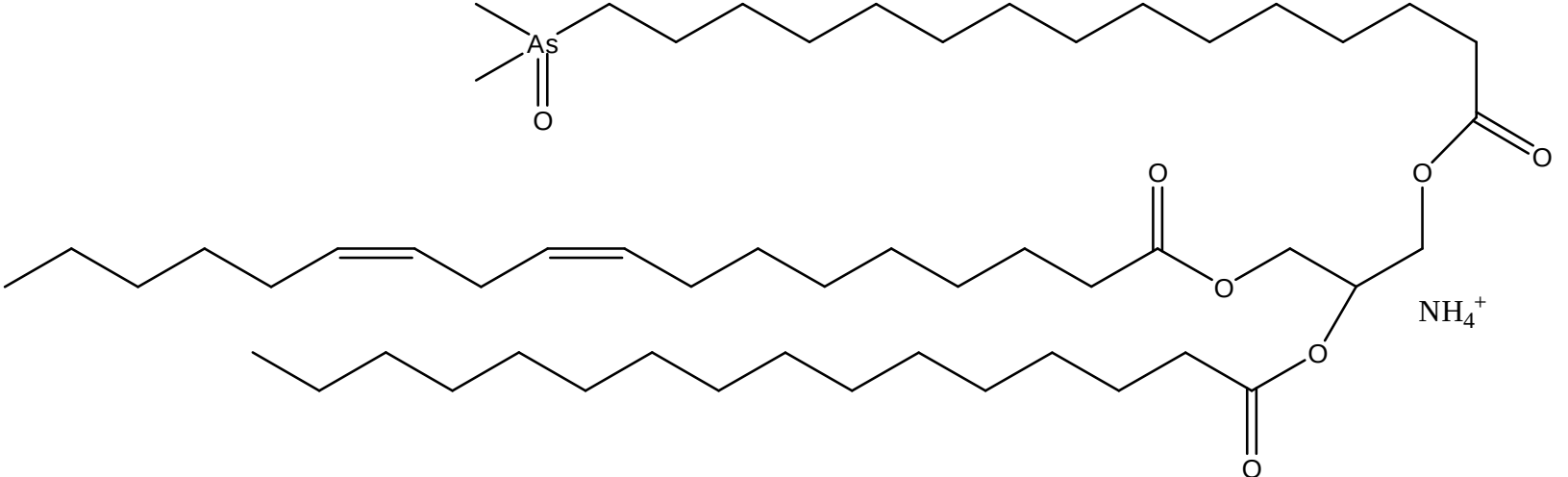
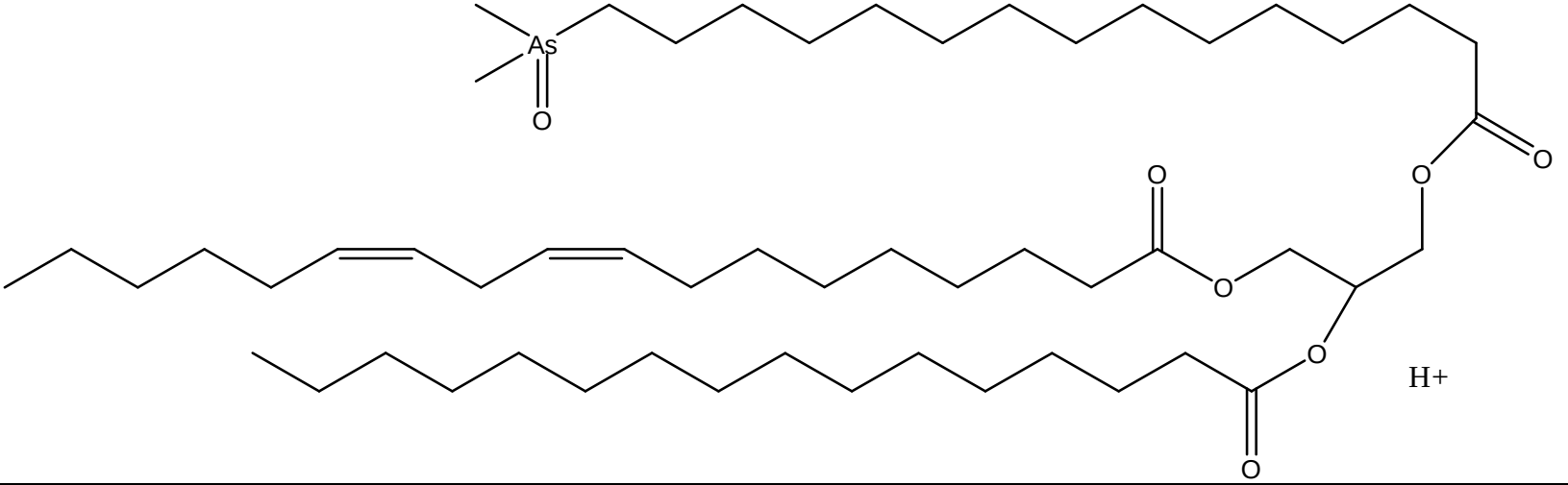
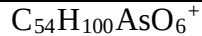
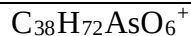
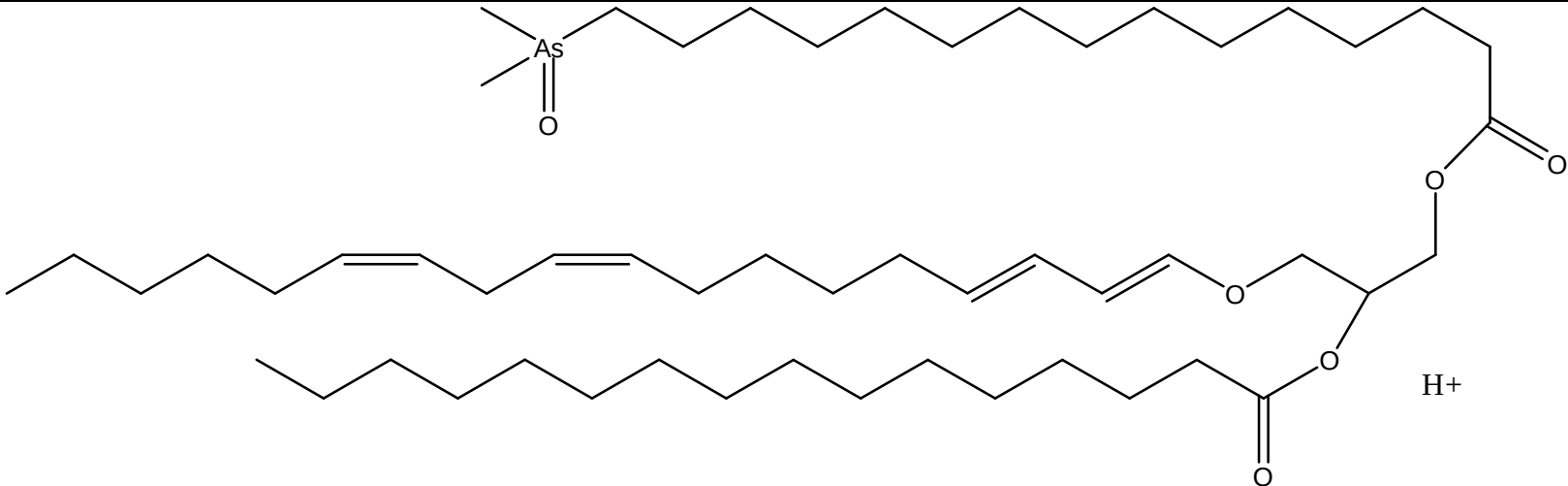
$\text{C}_{23}\text{H}_{41}\text{NO}_6\text{P}^-$	458.2677	
$\text{C}_{17}\text{H}_{34}\text{AsO}_3^-$	361.1729	
$\text{C}_{18}\text{H}_{31}\text{O}_2^-$	279.2330	
$\text{C}_3\text{H}_6\text{O}_5\text{P}^-$	152.9958	
$\text{C}_2\text{H}_7\text{NO}_4\text{P}^-$	140.0118	

Table 3S. Tandem MS of Me₂As(O)-15:0/18:2/16:0

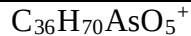
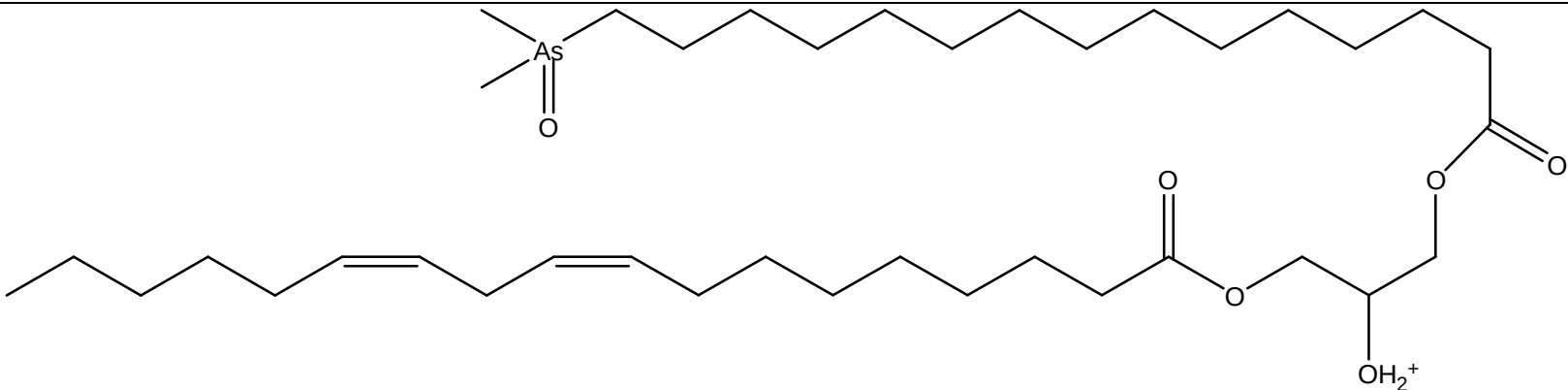
C ₅₄ H ₁₀₅ AsNO ₇ ⁺	954.7102	
C ₅₄ H ₁₀₂ AsO ₇ ⁺	937.6836	



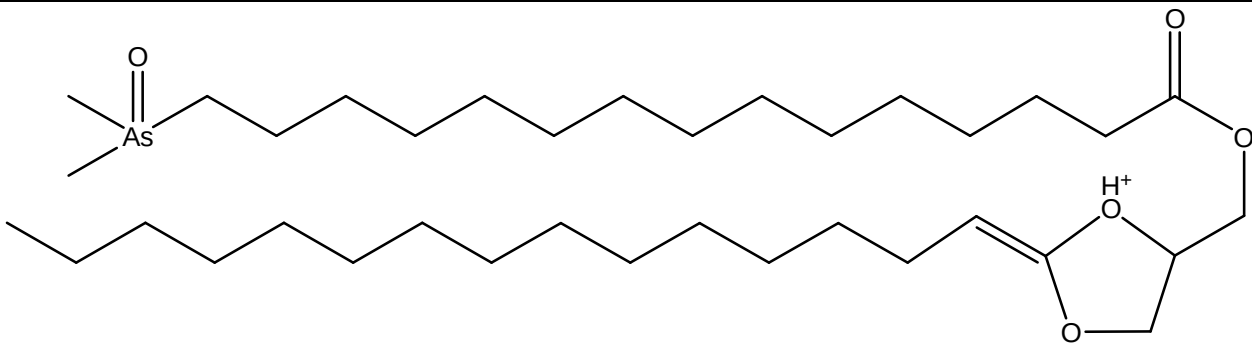
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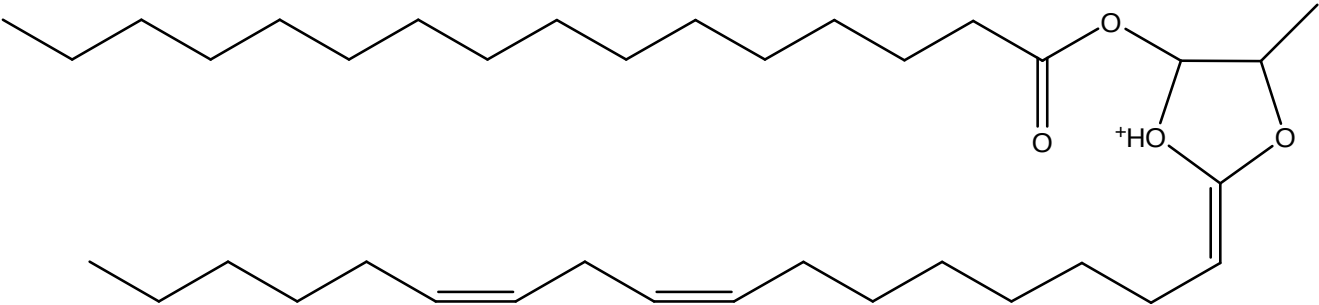
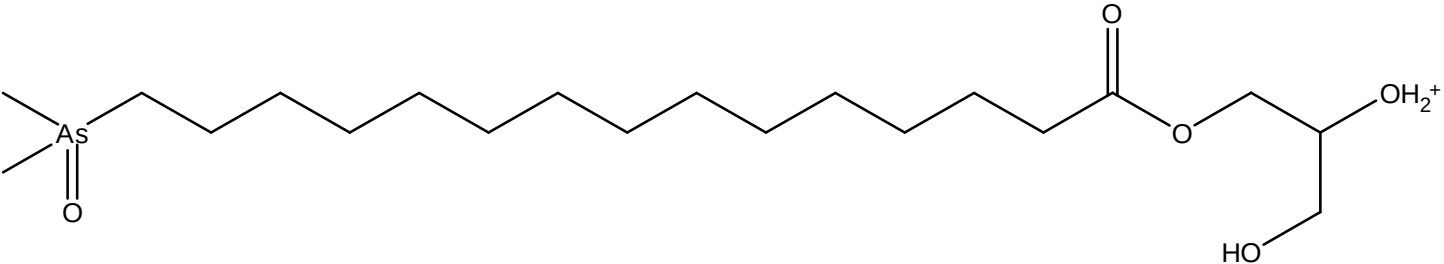
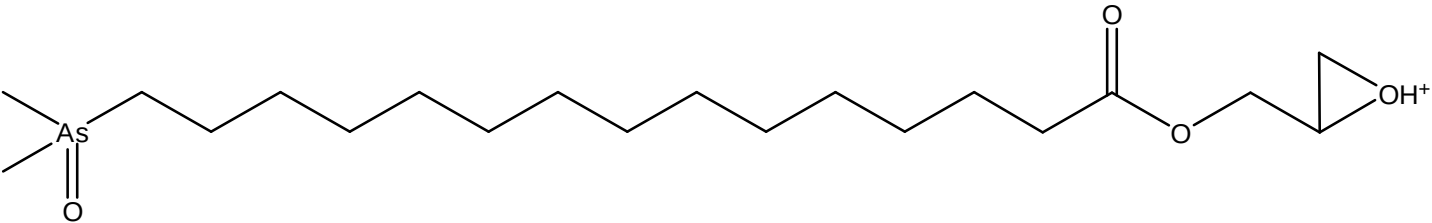
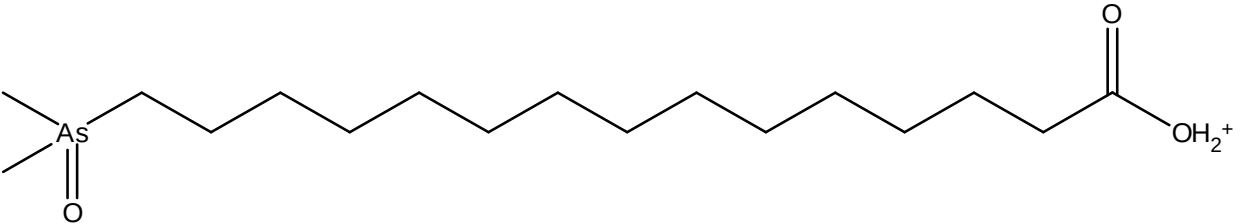
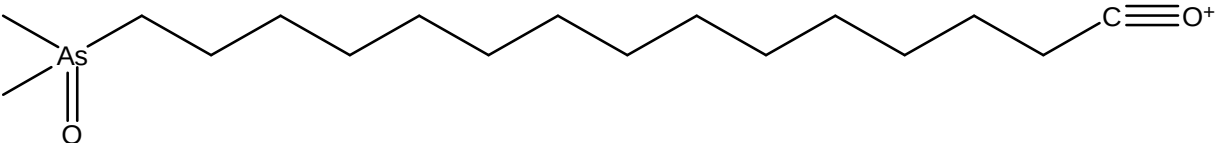
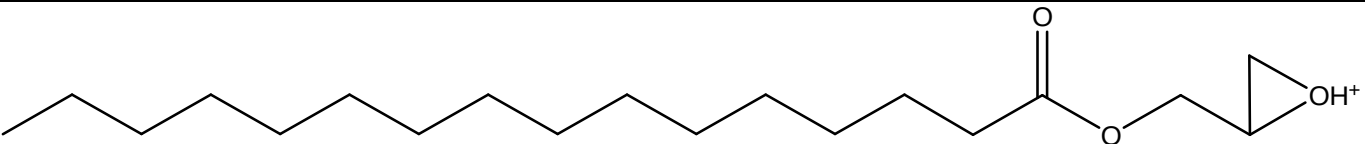


699.4539



657.4434



$\text{C}_{37}\text{H}_{67}\text{O}_4^+$	575.5034	
$\text{C}_{20}\text{H}_{42}\text{AsO}_5^+$	437.2243	
$\text{C}_{20}\text{H}_{40}\text{AsO}_4^+$	419.2137	
$\text{C}_{17}\text{H}_{36}\text{AsO}_3^+$	363.1875	
$\text{C}_{17}\text{H}_{34}\text{AsO}_2^+$	345.1769	
$\text{C}_{19}\text{H}_{37}\text{O}_3^+$	313.2737	

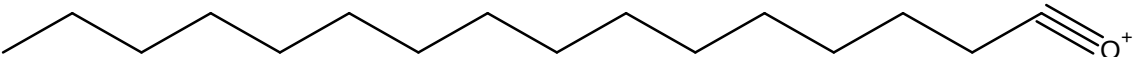
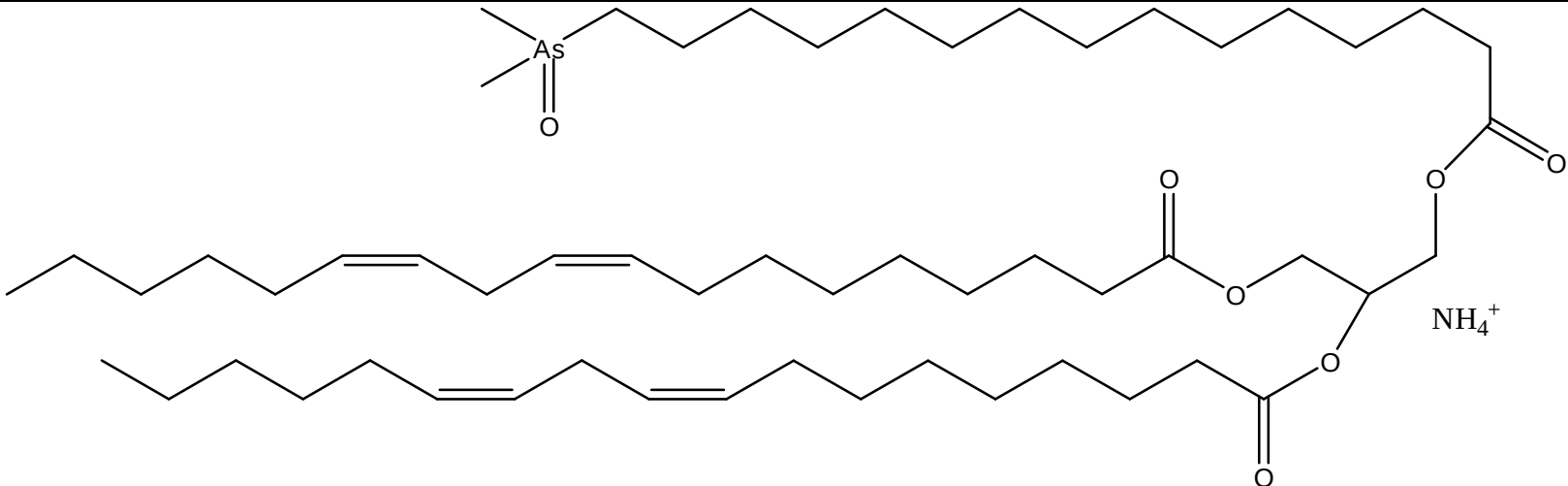
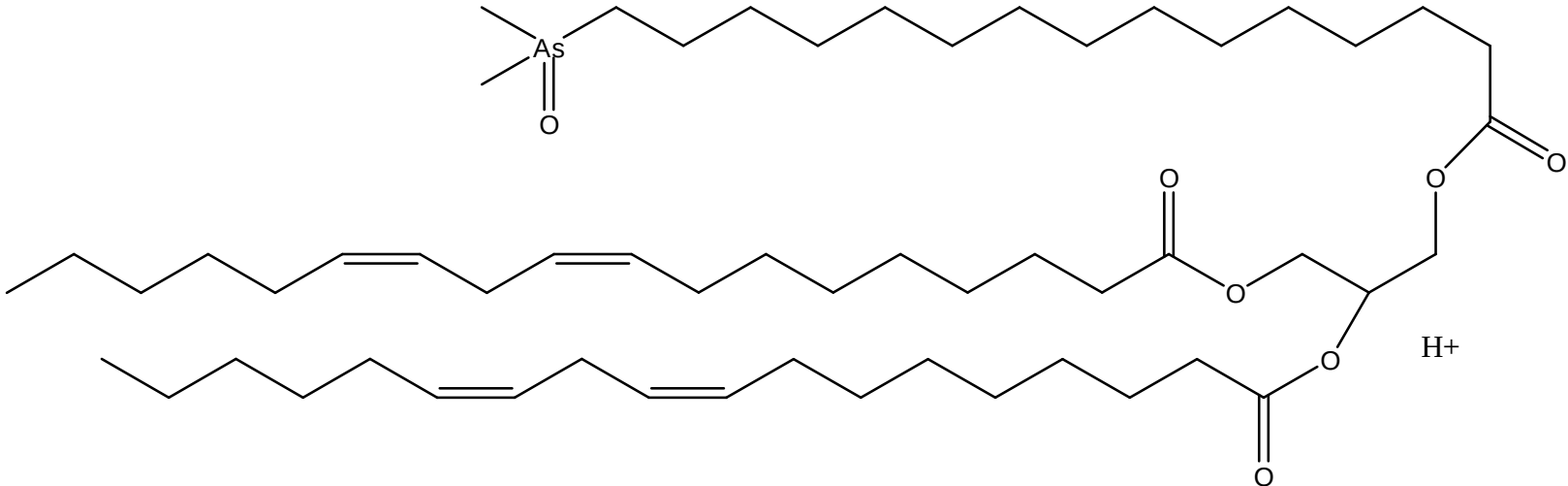
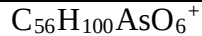
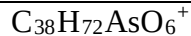
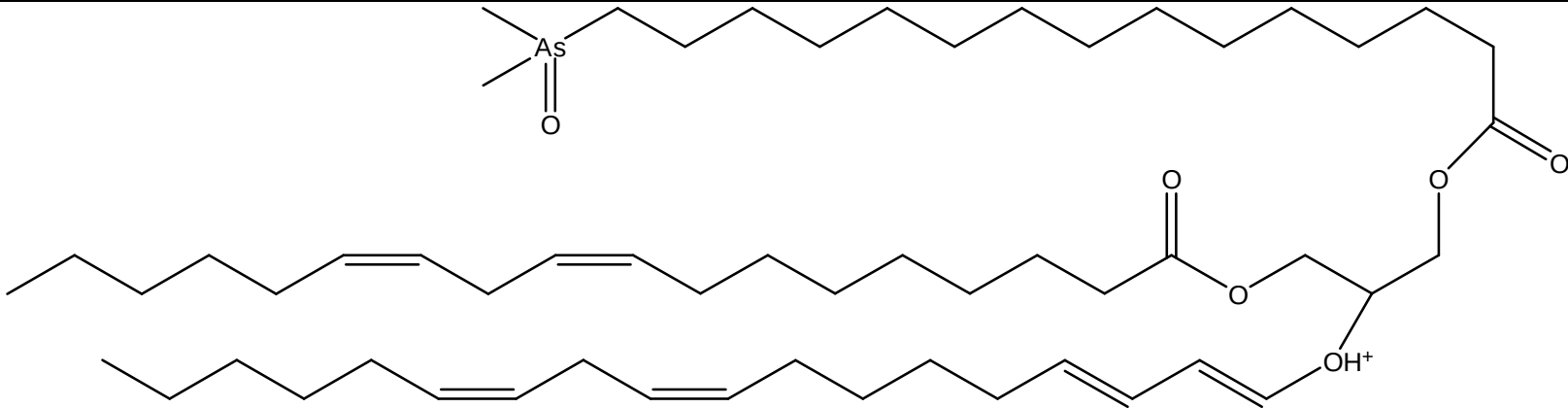
$\text{C}_{16}\text{H}_{31}\text{O}^+$	239.2369	
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Table 4S. Tandem MS of (Me₂As(O)-15:0/18:2/18:2).

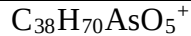
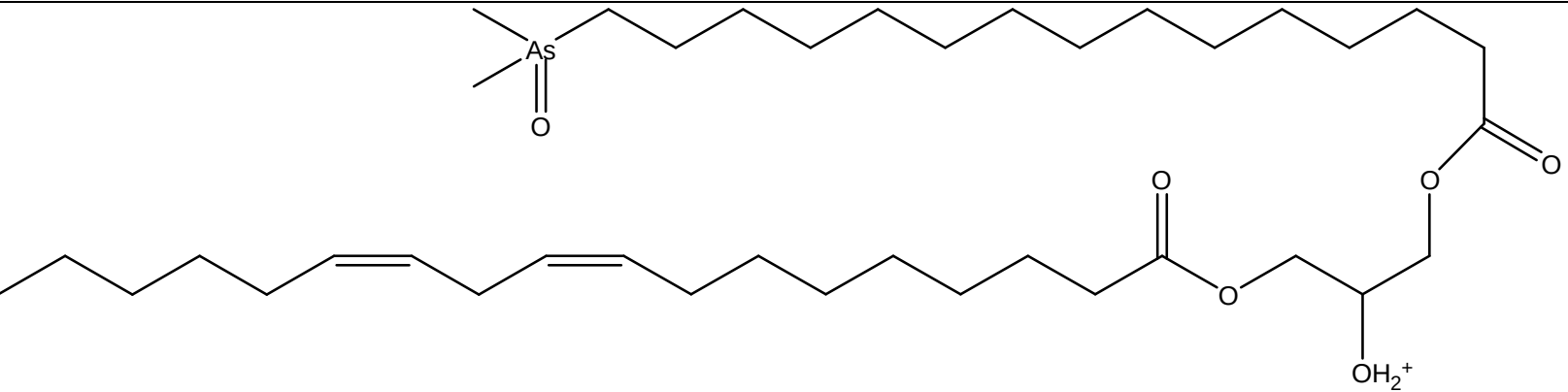
Chemical Formula	<i>m/z</i>	Structure
C ₅₆ H ₁₀₅ AsNO ₇ ⁺	978.7102	
C ₅₆ H ₁₀₂ AsO ₇ ⁺	961.6836	



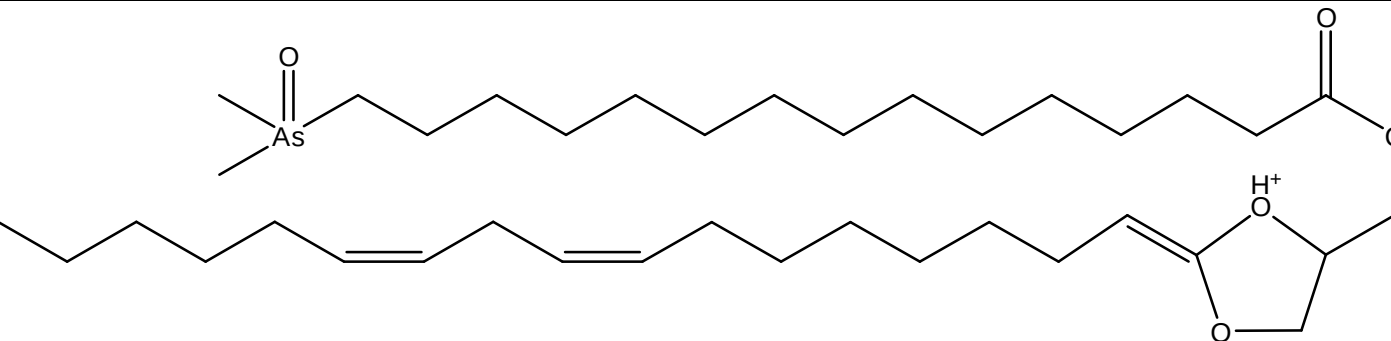
943.6730

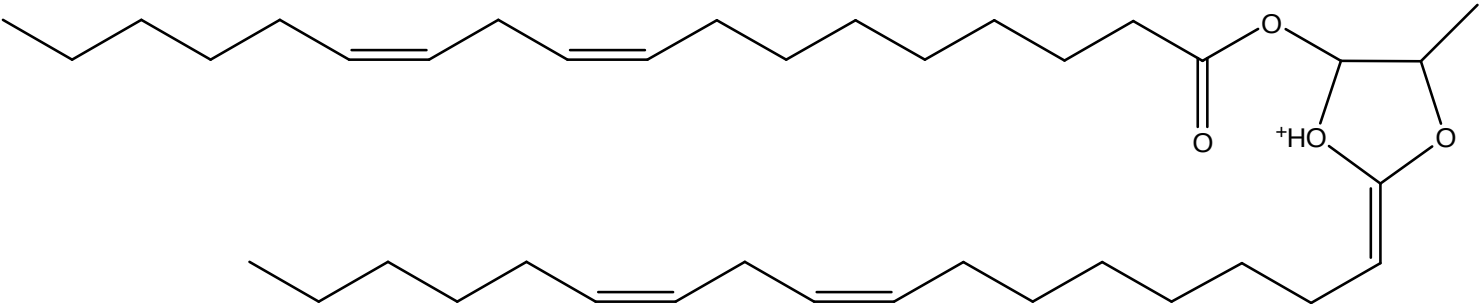
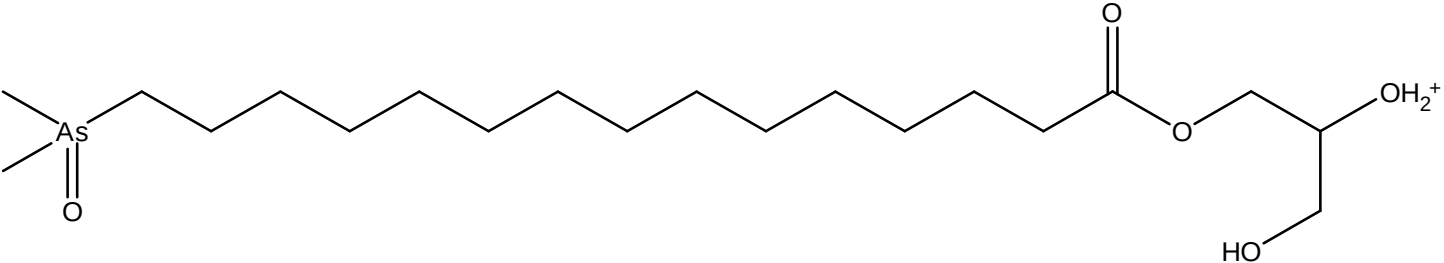
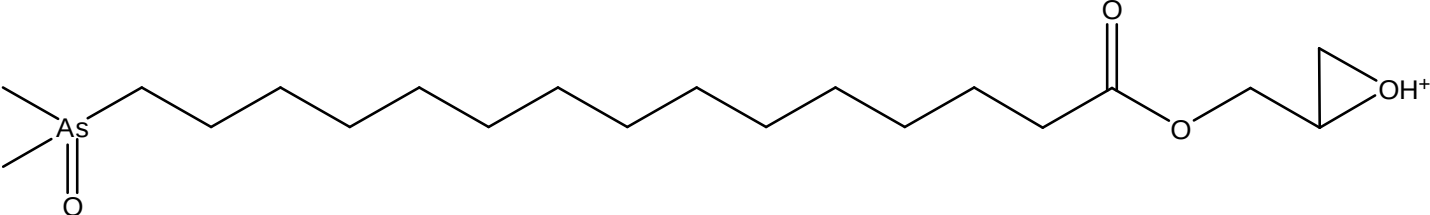
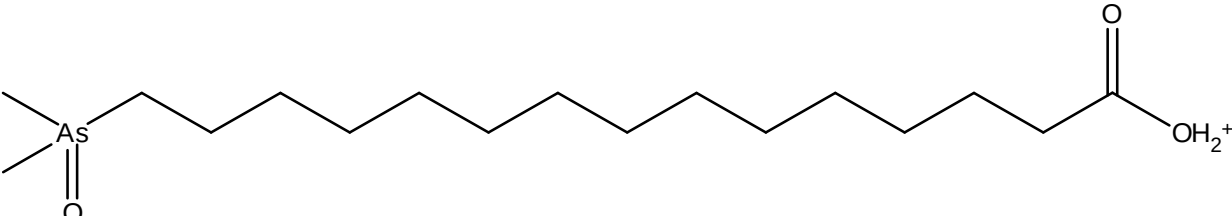
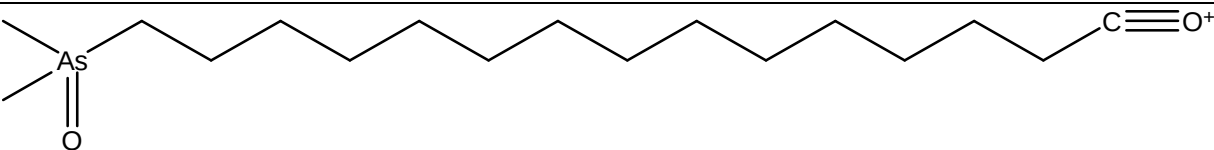


699.4539



681.4434



$\text{C}_{39}\text{H}_{67}\text{O}_4^+$	599.5034	
$\text{C}_{20}\text{H}_{42}\text{AsO}_5^+$	437.2243	
$\text{C}_{20}\text{H}_{40}\text{AsO}_4^+$	419.2137	
$\text{C}_{17}\text{H}_{36}\text{AsO}_3^+$	363.1875	
$\text{C}_{17}\text{H}_{34}\text{AsO}_2^+$	345.1769	
$\text{C}_{18}\text{H}_{31}\text{O}^+$	263.2369	