

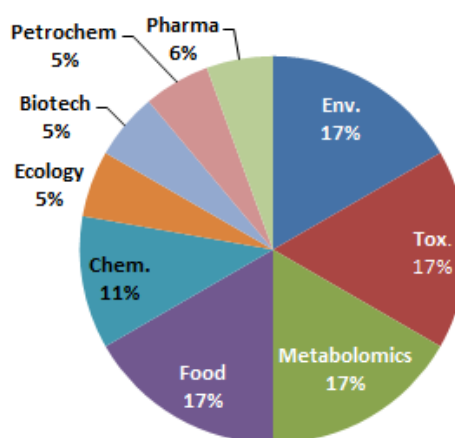


## Přehled aplikací GC-MS

Typ MS	Časové období	Celkem	Aplikace	Publikace	Ostatní
<b>Celkem</b>		<b>671</b>	<b>118</b>	<b>513</b>	<b>40</b>
QTOF	2011-2013	33	5	13	15
TQ	2008-2013	172	37	128	7
MSD	Aplikace: 2005-14 Publikace: 2013/14	466	76	372	18

\* Zdroj: Google Scholar, e-Library

## GC-QTOF 7200 Typy aplikací



## Aplikace GC-QTOF 7200 pro energetiku a petrochemii

- **Analysis of Biomarkers in Crude Oil**

Authors: David F.

Abstract: The analysis of biomarkers such as (alkyl-) dibenzothiophenes, hopanes, and steranes in crude oil is used in many petrochemical applications, including the characterization of oil sources and the identification of sources of oil spillage. The analysis is normally done by GC-MS after complex sample preparation and fractionation. Using a high resolution time-of-flight mass spectrometer, a diluted sample can be analysed without fractionation and the biomarkers of interest can be measured by exploiting the high selectivity of ion extraction at accurate mass.

- **Metabolomics of Carbon Fixing Mutants of Cyanobacteria by GC/Q-TOF (biofuels)**

Authors: Chung D., Rabinovitch-Deere Ch., Aronova S., Atsumi S.

Abstract: Mutants of the model cyanobacterium were evaluated by untargeted metabolomics to identify possible phenotypic changes that allow more efficient growth. The mutants were analyzed by the 7200 for changes in metabolite profiles.