

Across the past 30 years Douglas Stevens has explored many different ways of using LC and GC/MS to solve the real world problems of collaborators in a diverse range of fields including environmental, food, cannabis, petroleum, metabolomics and pharmaceuticals. This work has included both quantitative and qualitative analyses using quadrupole, time-of-flight and ion mobility based mass spectrometers for everything from routine, high throughput analysis to discovery focused research efforts. He has presented his own work as well as the work of collaborators and colleagues at numerous domestic and international conferences. In addition to typical lab based analyses, he's performed over 300 live MS instrument demonstrations and had over 500 students attend mass spec training courses he taught. His recently completed and ongoing projects have looked at the analysis of terpenes and pesticides in cannabis, dioxins in food and environmental matrices, and PFAS in environmental samples.