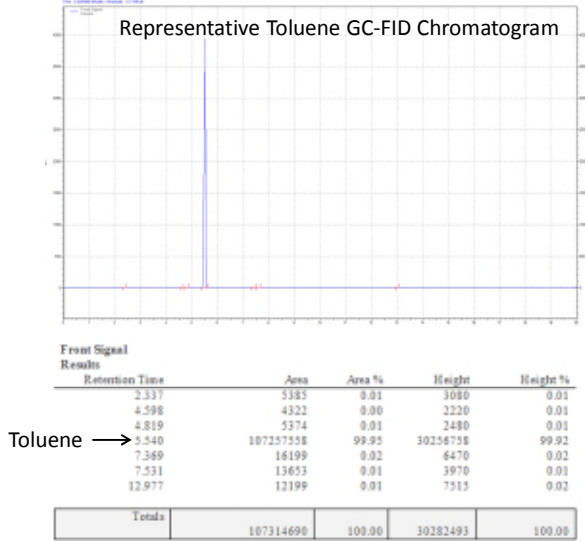
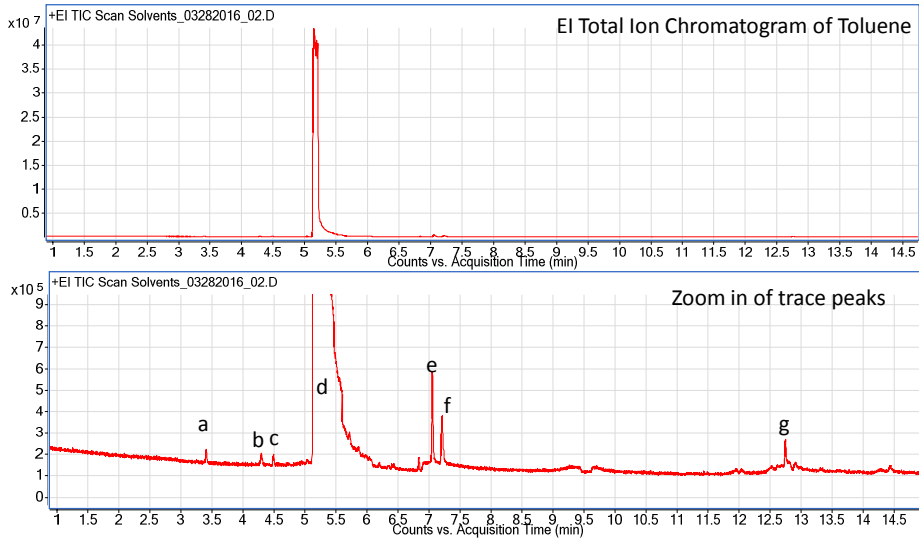


Appendix

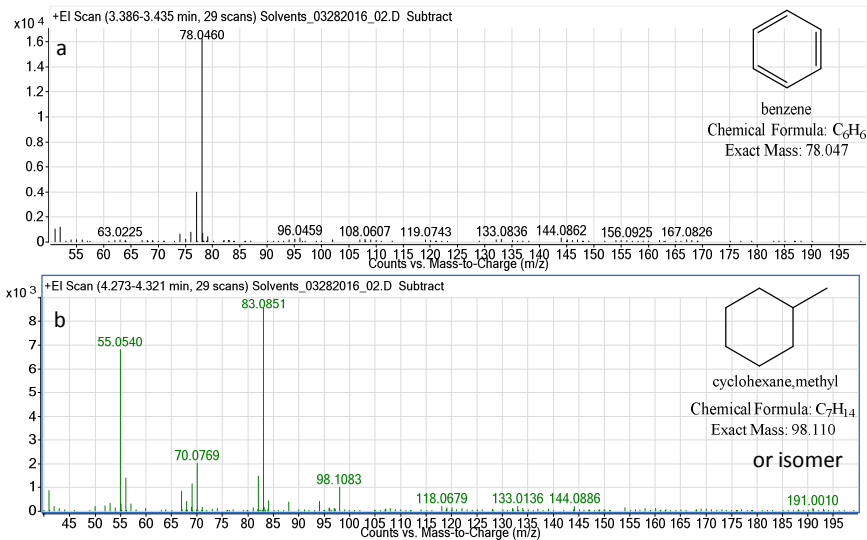
GC-FID Analysis of Toluene



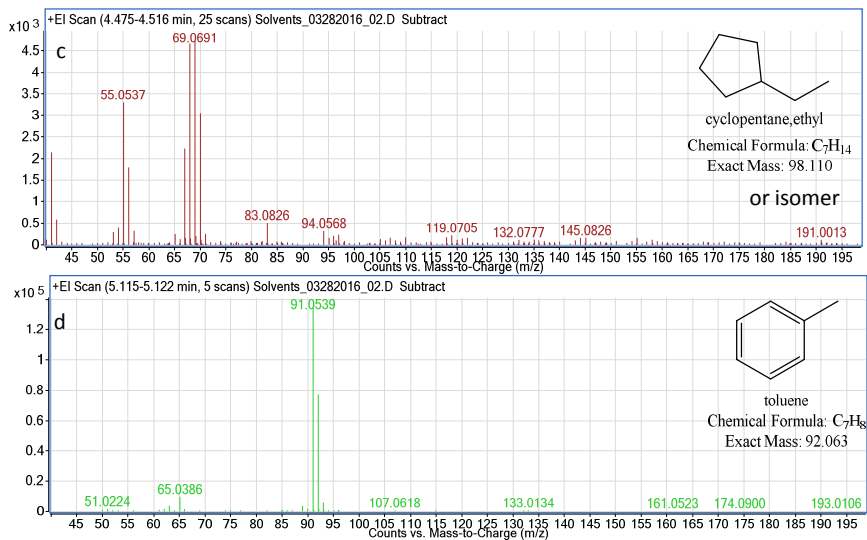
GC-qToF analysis of Toluene



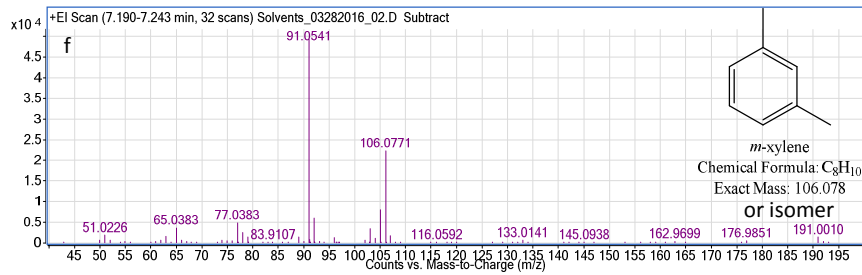
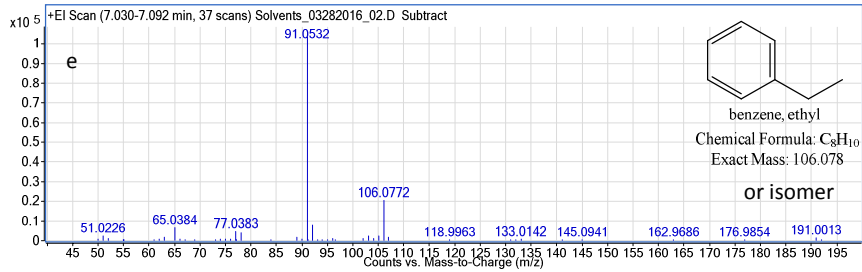
GC-qToF analysis of Toluene



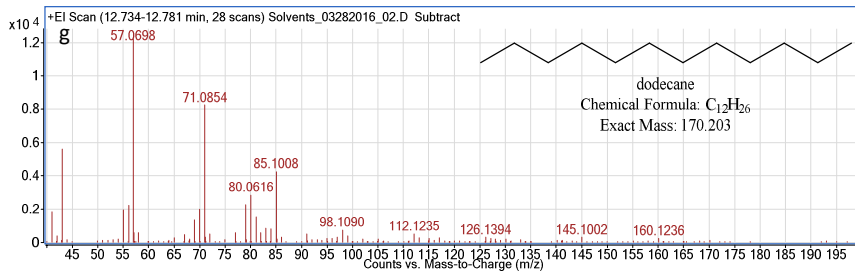
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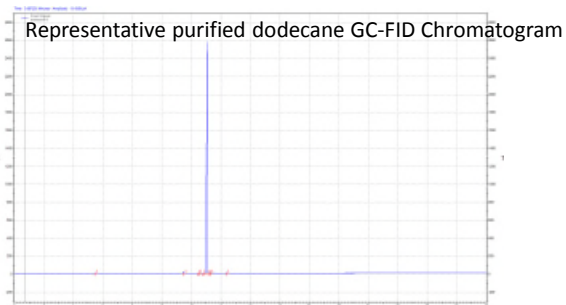
GC-qTof analysis of Toluene



GC-qTof analysis of Toluene

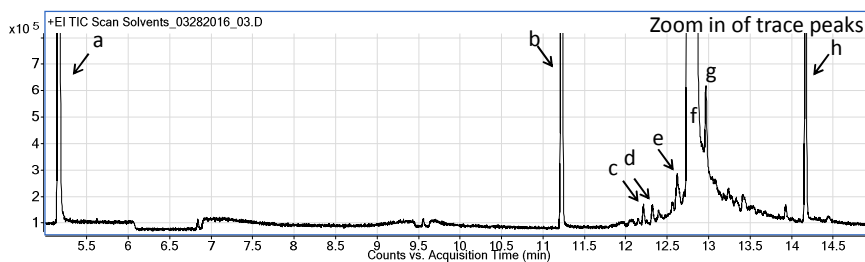
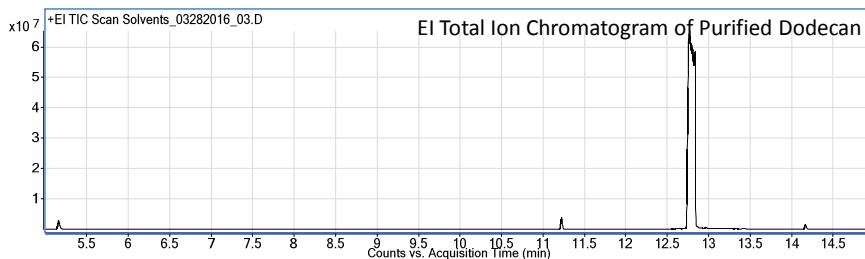


GC-FID Analysis of Purified Dodecane

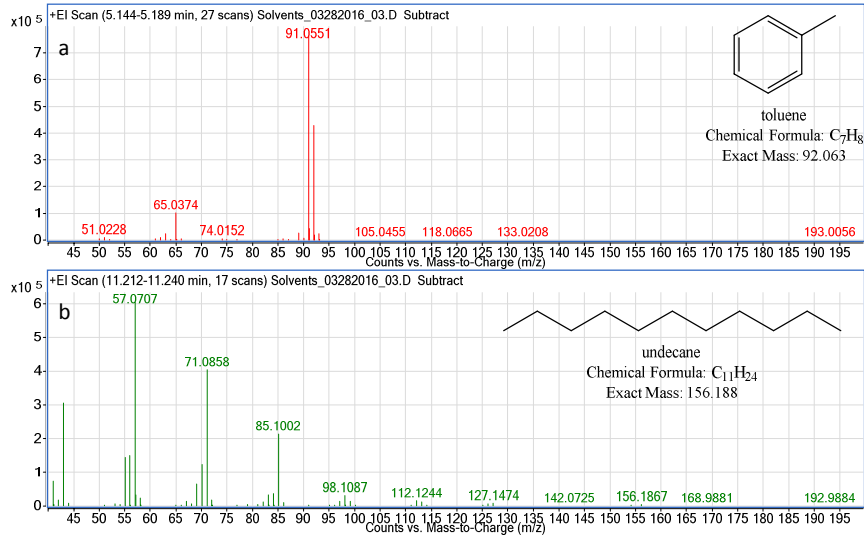


Front Signal Results					
	Retention Time	Area	Area %	Height	Height %
undecane	→ 5.474	15272	0.02	6858	0.03
	→ 11.482	186001	0.25	128772	0.65
	→ 12.458	4833	0.01	2606	0.01
	→ 12.564	4225	0.01	2195	0.01
	→ 12.857	12800	0.02	3126	0.02
Dodecane	→ 13.081	75107049	99.56	19711348	98.94
	→ 13.197	30095	0.04	12891	0.06
	→ 13.309	3260	0.00	1729	0.01
tridecane	→ 14.371	75999	0.10	52786	0.26
Totals		75419534	100.00	19922311	100.00

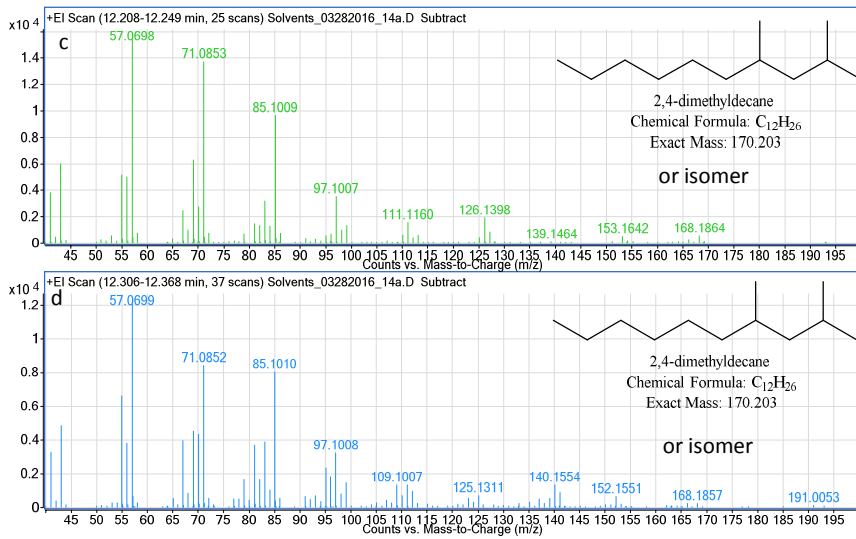
GC-qToF Analysis of Purified Dodecane



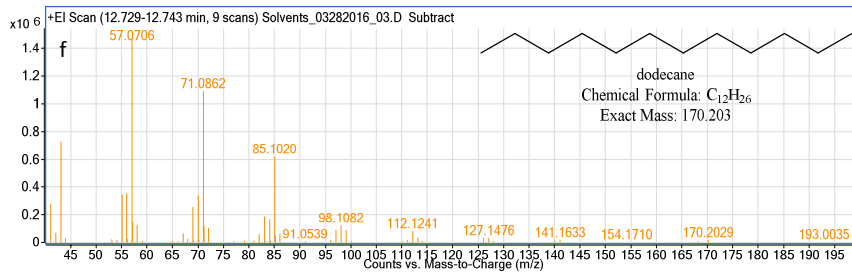
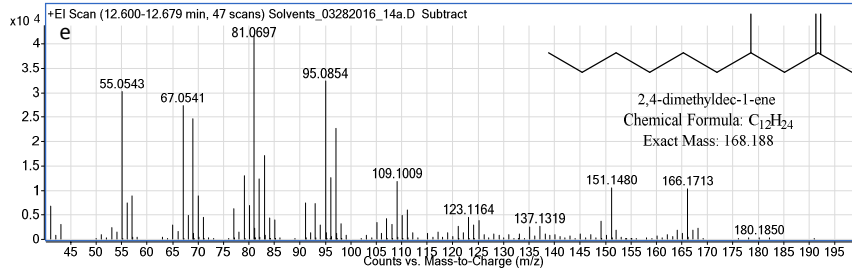
GC-qToF Analysis of Purified Dodecane



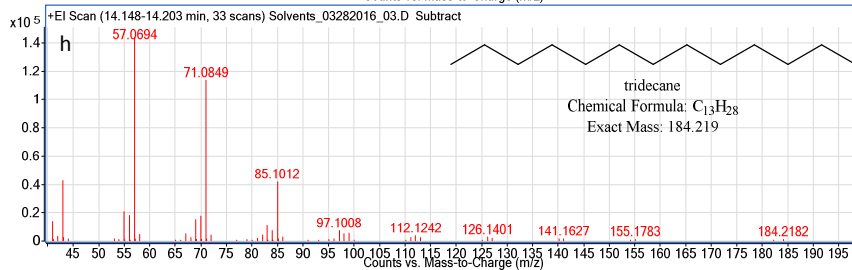
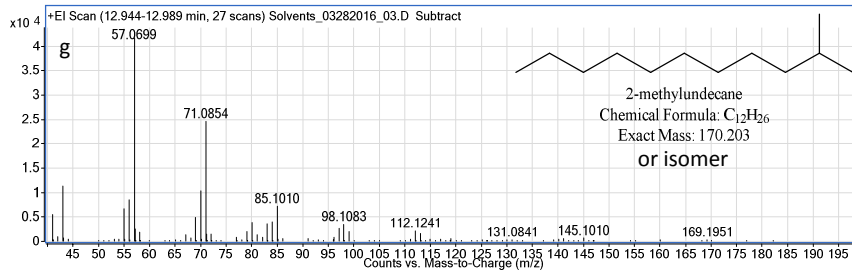
GC-qToF Analysis of Purified Dodecane



GC-qToF Analysis of Purified Dodecane



GC-qToF Analysis of Purified Dodecane



GC Experimental Method

- The solvent samples were directly analyzed without dilution.

- The FID quantitation was conducted on Agilent 7890A GC system and MS identification was conducted on Agilent 7890 GC system coupled to an Agilent 7200 QToF.

- Chromatography Conditions:
 - Column: RTX-5, 30m x 0.25mm x 0.25µm
 - Temperature: 40 °C (3 min) to 300 °C (3 min) @ 10 °C/min, hold 1.5 min
 - Split 250:1
 - Inject volume: 0.2 µl (FID), 0.1 or 1 µl (MS)