

Supplementary

Conyza canadensis from Jordan: Phytochemical Profiling, Antioxidant, and Antimicrobial Activity Evaluation

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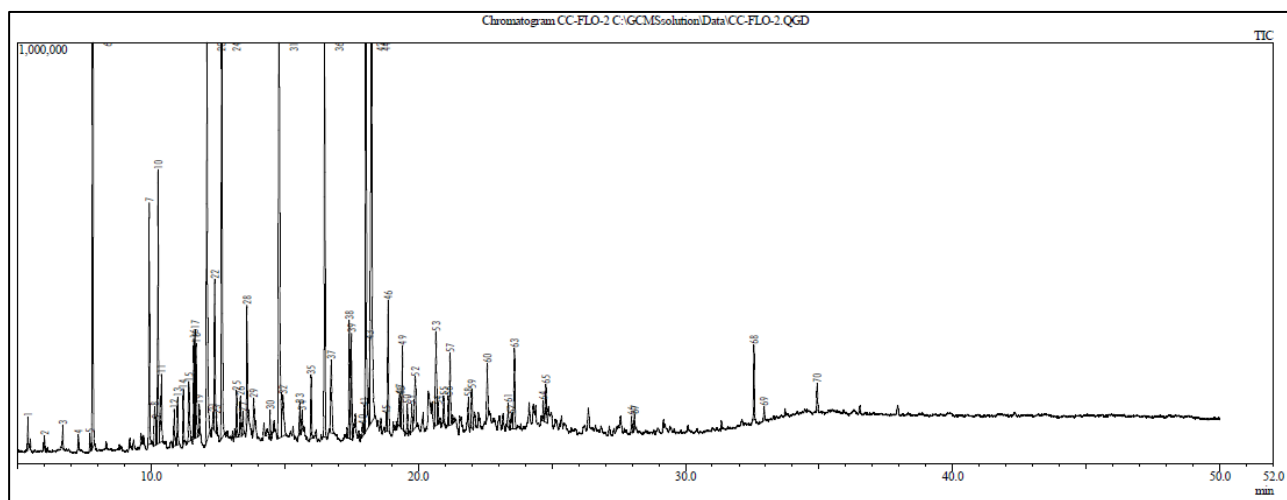


Figure S1 GC-MS for CCHD-EO of inflorescence heads

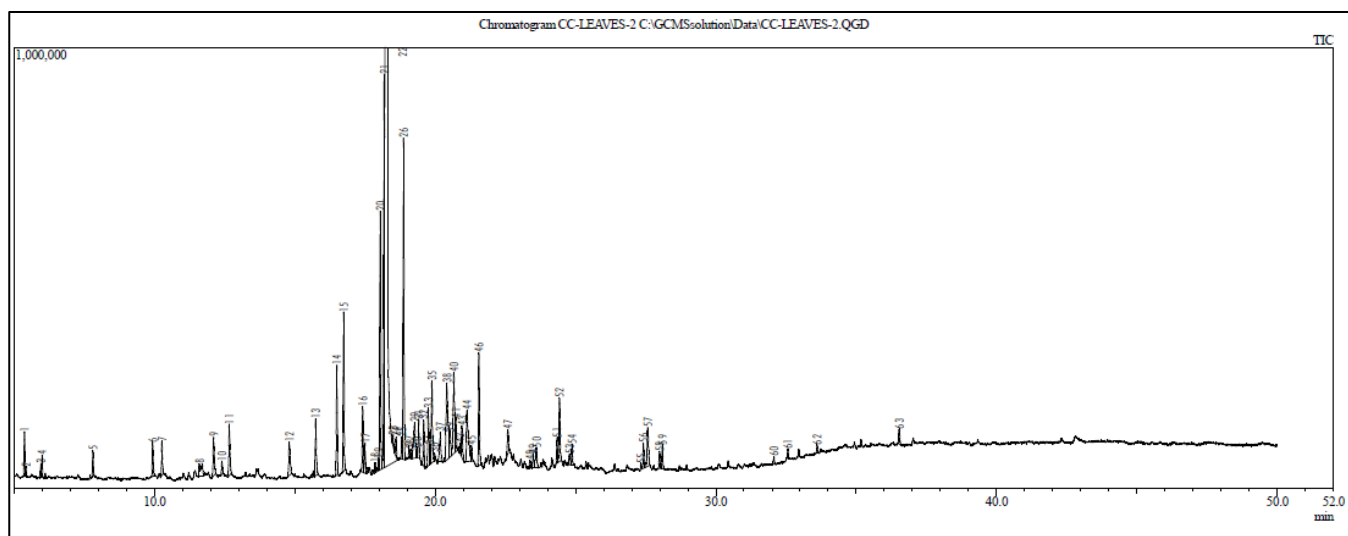


Figure S2 GC-MS for CCHD-EO of leaves

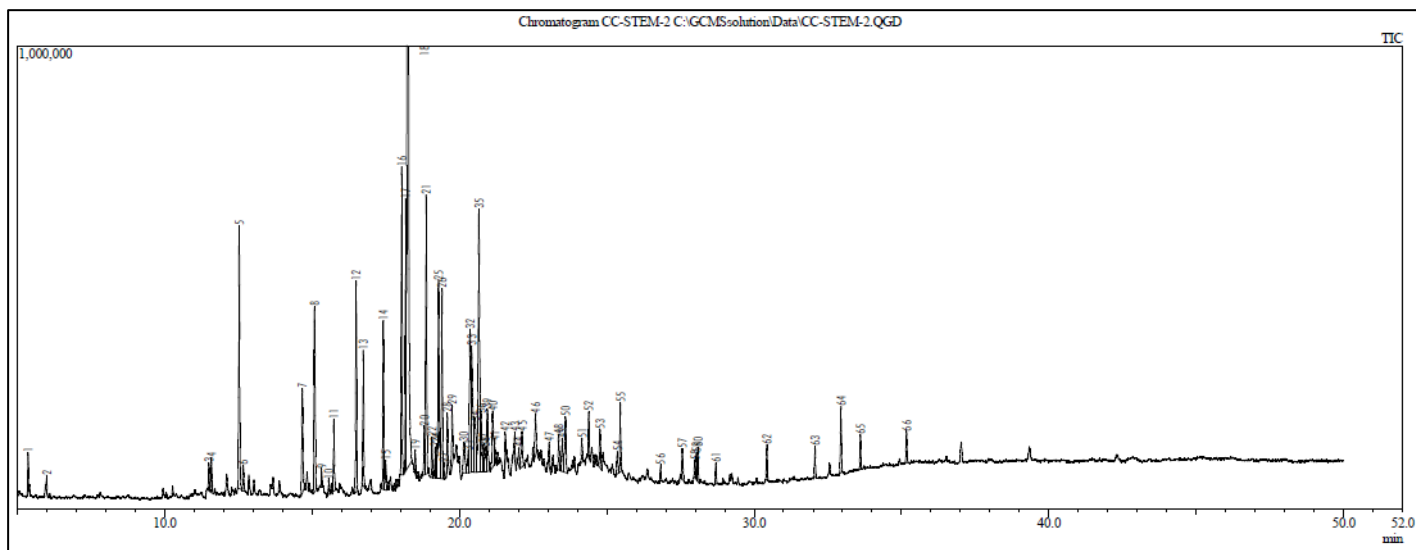
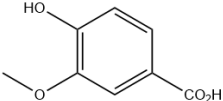
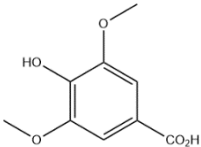
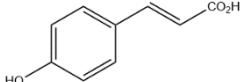
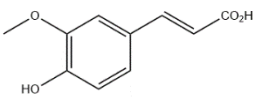
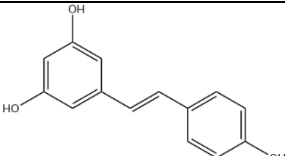
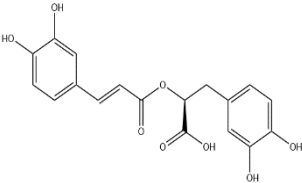
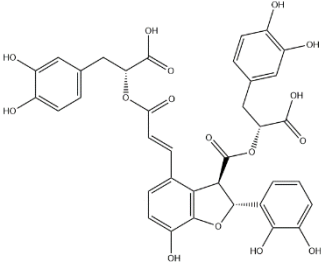
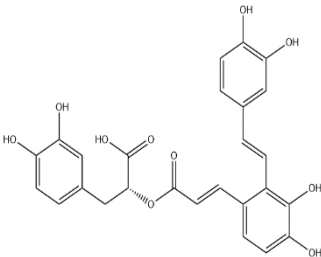
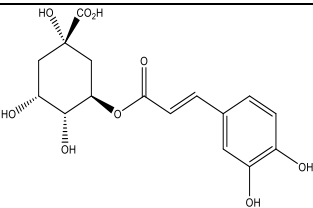
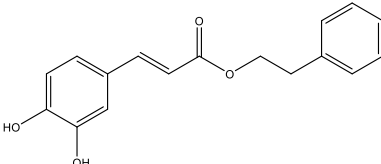
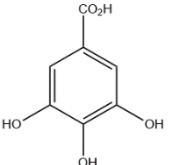
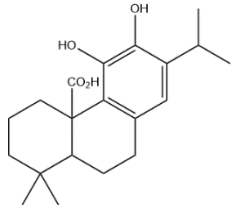
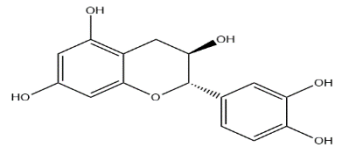
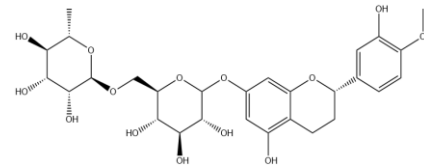


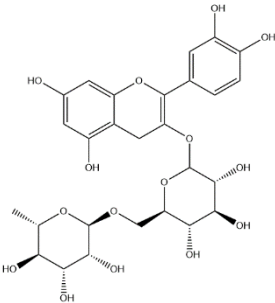
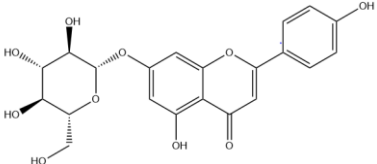
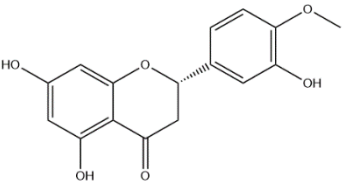
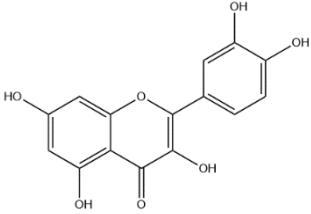
Figure S3 GC-MS for CCHD-EO of stems.

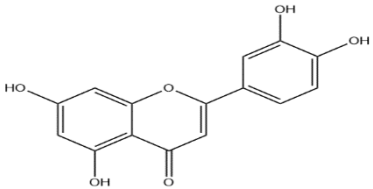
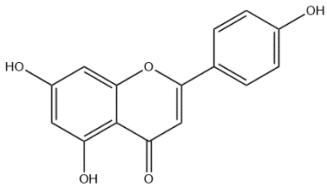
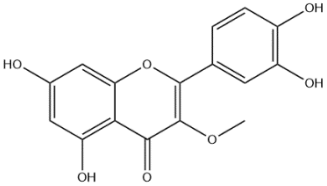
Table S1 The LOD, LOQ, range, fragments and supplier for the standard phenolic compounds and flavonoids used in LC-MS/MS analysis

No.	Compound name	Molecular Formula	Structural formula	R_t (min)	LOD(LOQ) ng/mL	Range ng/mL	Fragments	Supplier
Phenolic Compounds								
1.	Vanillic acid	C ₈ H ₈ O ₄		3.217	100 (300)	300-8000	166.828/107.80	MilliporeSigma, (USA)
2.	Syringic acid	C ₉ H ₁₀ O ₅		3.598	100 (300)	300-8000	196.912/152.80	Biosynth (UK)
3.	<i>p</i> -Coumaric acid	C ₉ H ₈ O ₃		4.449	100 (300)	300-8000	163.221/118.80	Biosynth (UK)
4.	Ferulic acid	C ₁₀ H ₁₀ O ₄		4.800	100 (300)	300-8000	192.766/133.80	Biosynth (UK)
5.	Resveratrol	C ₁₄ H ₁₂ O ₃		5.561	100 (300)	300-8000	226.946/184.80	MilliporeSigma, (USA)

6.	Rosmarinic acid	C ₁₈ H ₁₆ O ₈		5.863	100 (300)	300-8000	358.782/160.80	Extrasynthese, (France)
7.	Salvianolic acid B	C ₃₆ H ₃₀ O ₁₆		6.151	100 (300)	300-8000	716.709/518.70	Extrasynthese, (France)
8.	Salvianolic acid A	C ₂₆ H ₂₂ O ₁₀		6.948	100 (300)	300-8000	492.732/294.70	Extrasynthese, (France)
9.	Chlorogenic acid	C ₁₆ H ₁₈ O ₉		7.560	100 (300)	300-8000	252.877/96.90	Sigma- Aldrich(USA)

10.	Caffeic acid phenethyl ester (CAPE)	C ₁₇ H ₁₆ O ₄		9.215	100 (300)	300-8000	282.845/178.600	Sigma-Aldrich(USA)
11.	Gallic acid	C ₇ H ₆ O ₅		9.467	100 (300)	300-8000	168.904/124.800	Sigma-Aldrich(USA)
12.	Carnosic acid	C ₂₀ H ₂₈ O ₄		20.693	100 (300)	300-8000	330.989/286.800	Extrasynthese, (France)
Flavonoids								
1.	Catechin	C ₁₅ H ₁₄ O ₆		2.005	100 (300)	300-8000	288.837/244.600	MilliporeSigma (USA)
2.	Hesperidin	C ₂₈ H ₃₄ O ₁₅		5.599	100 (300)	300-8000	608.785/300.70, 608.785/163.600	MilliporeSigma (USA)

3.	Rutin	$C_{27}H_{30}O_{16}$		5.856	100 (300)	300-8000	608.799/299.700	MilliporeSigma (USA)
4.	Apigenin-7-O-glucoside	$C_{21}H_{20}O_{10}$		6.172	100 (300)	300-8000	430.757/267.700	Extrasynthese, (France)
5.	Hesperetin	$C_{16}H_{14}O_6$		6.992	100 (300)	300-8000	300.746/163.700	MilliporeSigma (USA)
6.	Quercetin	$C_{15}H_{10}O_7$		7.194	100 (300)	300-8000	300.725/150.800	Sigma-Aldrich (USA)

7.	Luteolin	C ₁₅ H ₁₀ O ₆		7.265	100 (300)	300-8000	284.726/132.800	Extrasynthese, (France
8.	Apigenin	C ₁₅ H ₁₀ O ₅		8.097	100 (300)	300-8000	268.810/116.900	Extrasynthese, (France
9.	3-O-Methylquercetin	C ₁₆ H ₁₂ O ₇		8.031	100 (300)	300-8000	314.404/299.600	MilliporeSigma (USA

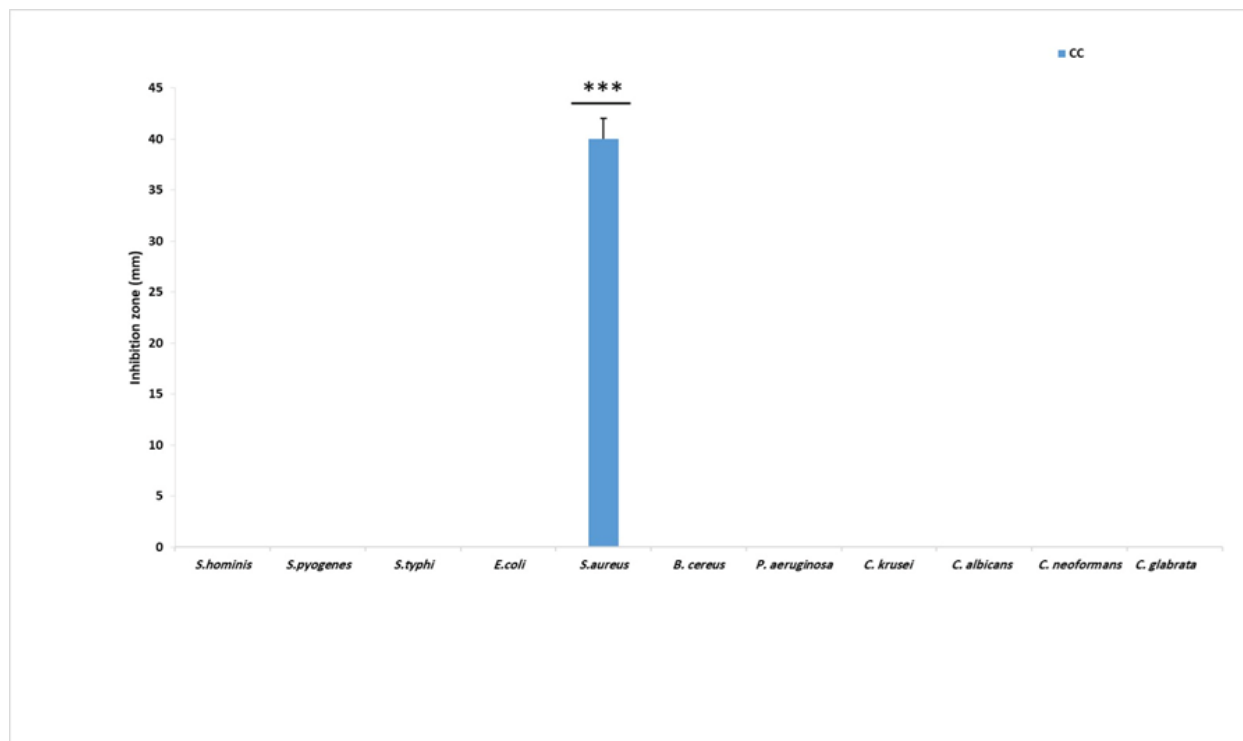


Figure S4 Zone of inhibition bar graph introduced by CCM against studied microorganisms.

***The asterisks indicate a significance of $P < 0.001$