



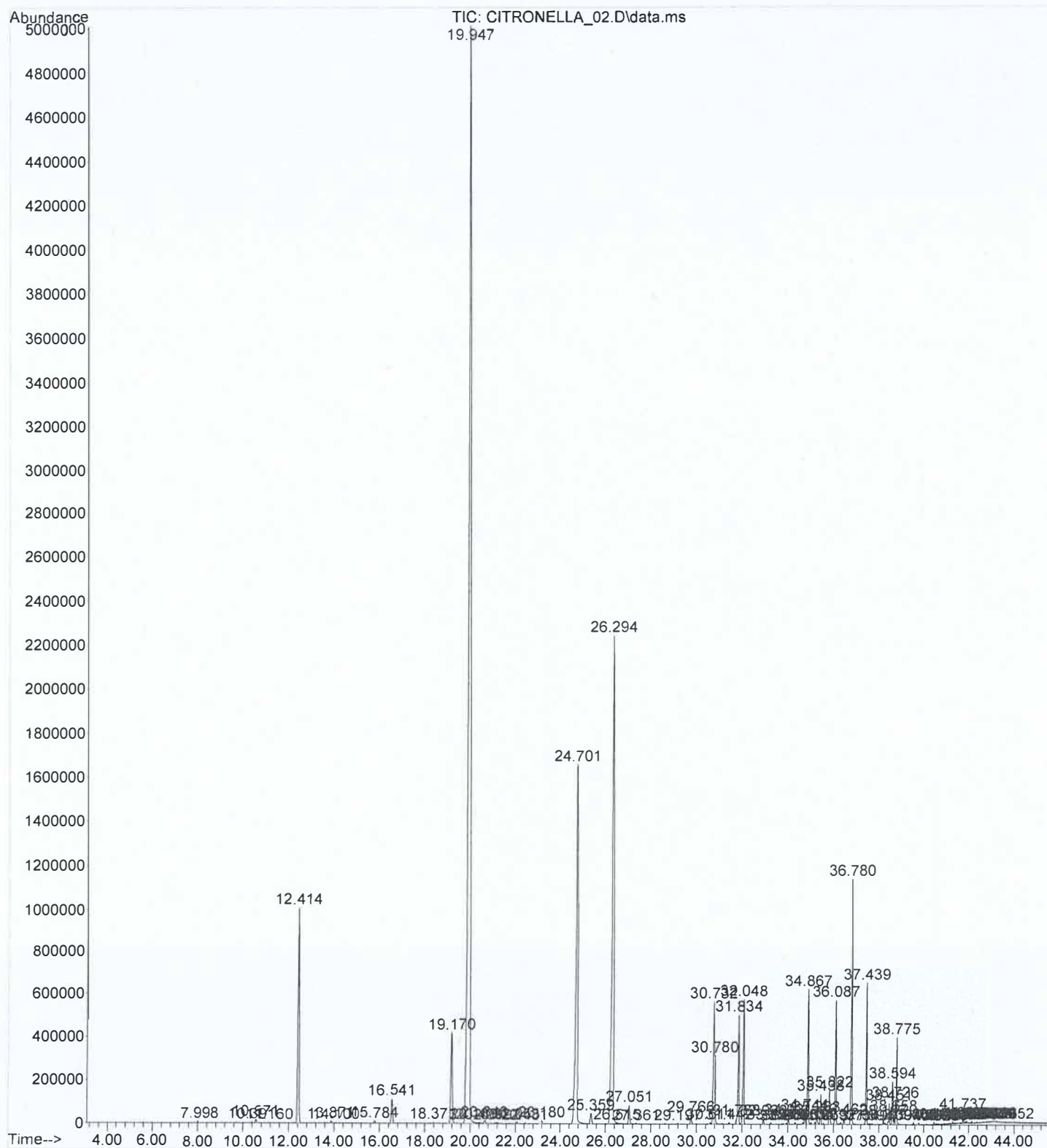
CITRONELLA ESSENTIAL OIL 98401-39

CHEMICAL COMPOSITION (GC-MS)

LOT NO. 13162

PEAK RT	COMPOUND	CONTENT (%)	SPECIFICATION
12.414	LIMONENE	4.69	2 - 5
19.947	CITRONELLAL	42.22	31 - 45
16.541	LINALOOL	0.57	0.5 – 1.5
30.732	CITRONELLYL ACETATE	2.37	1 - 4
27.05	TRANS - GERNIAL	0.42	0.3 - 1
31.83	GERANYL ACETATE	1.83	1 – 5.5
24.70	CITRONELLOL	11.36	8.5 - 14
26.29	GERANIOL	15.03	15 - 25
30.78	EUGENOL	0.92	0.5 – 1.5
32.04	BETA ELEMENE	2.20	0.7 – 2.5
34.86	GERMACRENE D	2.20	1.5 – 3.5
36.087	DELTA CADINENE	1.96	1 – 2.5
36.78	ELEMOL	3.90	1.3 – 4.8

File :C:\msdchem\1\data\2024\09-19-24\CITRONELLA_02.D
Operator : SS
Acquired : 19 Sep 2024 14:56 using AcqMethod METHOD_7.M
Instrument : GCMS
Sample Name: CITRONELLA OIL
Misc Info : Lot#13162
Vial Number: 2



Area Percent Report

Data Path : C:\msdchem\1\data\2024\09-19-24\
Data File : CITRONELLA_02.D
Acq On : 19 Sep 2024 14:56
Operator : SS
Sample : CITRONELLA
Misc : Lot#13162
ALS Vial : 2 Sample Multiplier: 1

Integration Parameters: autoint1.e
Integrator: ChemStation

Method : C:\msdchem\1\methods\METHOD_7.M
Title : Eoil Qualitative

Signal : TIC: CITRONELLA_02.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.998	850	859	869	BB 3	8827	238407	0.07%	0.030%
2	10.391	1269	1278	1289	BB 5	5615	159976	0.05%	0.020%
3	10.571	1296	1309	1322	BB 2	18320	609326	0.18%	0.077%
4	11.160	1403	1412	1423	BB 4	4153	108118	0.03%	0.014%
5	12.414	1614	1631	1665	BB 2	1005751	37212287	11.11%	4.692%
6	13.871	1874	1886	1900	BB 2	9724	341923	0.10%	0.043%
7	14.100	1913	1926	1935	BB 4	3955	132547	0.04%	0.017%
8	15.784	2207	2220	2232	BB 6	13539	490463	0.15%	0.062%
9	16.541	2338	2352	2374	BB 3	111679	4527243	1.35%	0.571%
10	18.373	2659	2672	2688	BB 6	4746	175288	0.05%	0.022%
11	19.170	2780	2812	2844	PV 4	418364	18926197	5.65%	2.386%
12	19.947	2898	2948	2984	BV	5000653	334891055	100.00%	42.226%
13	20.168	2984	2986	2997	VV 9	6408	215846	0.06%	0.027%
14	20.409	3017	3028	3047	VV 10	5894	310705	0.09%	0.039%
15	20.643	3047	3069	3095	VV 10	16352	814619	0.24%	0.103%
16	21.192	3159	3165	3176	VV 8	4197	154180	0.05%	0.019%
17	22.053	3304	3316	3332	BV 9	8781	379897	0.11%	0.048%
18	22.431	3371	3382	3395	BB 5	4518	146186	0.04%	0.018%
19	23.180	3489	3513	3529	PB 5	16291	695831	0.21%	0.088%
20	24.701	3740	3778	3838	BV 2	1656395	90119739	26.91%	11.363%
21	25.359	3875	3893	3917	VV 5	50065	2253966	0.67%	0.284%
22	26.294	4024	4057	4094	PV	2247531	119245252	35.61%	15.035%
23	26.515	4094	4095	4108	VV 8	3491	70664	0.02%	0.009%
24	27.051	4177	4189	4208	PV 3	86839	3347151	1.00%	0.422%
25	27.361	4230	4243	4253	VV 6	3649	137196	0.04%	0.017%
26	29.197	4553	4564	4575	BV 4	3614	117831	0.04%	0.015%
27	29.766	4649	4664	4685	BV 3	41110	1370157	0.41%	0.173%
28	30.611	4796	4811	4819	PV 6	8921	265549	0.08%	0.033%
29	30.732	4819	4832	4839	VV 2	558535	18835931	5.62%	2.375%
30	30.780	4839	4841	4869	VV 2	314075	7309553	2.18%	0.922%
31	31.442	4946	4956	4966	BB 4	7411	207396	0.06%	0.026%
32	31.758	5000	5012	5013	BV 3	26570	552501	0.16%	0.070%
33	31.834	5013	5025	5039	VV 2	502604	14478748	4.32%	1.826%
34	32.048	5039	5062	5090	VV 2	567985	17423908	5.20%	2.197%
35	32.928	5205	5216	5233	BV 5	25878	769932	0.23%	0.097%
36	33.254	5264	5273	5284	BB 5	7721	205933	0.06%	0.026%
37	33.811	5364	5371	5380	VV 4	4116	105033	0.03%	0.013%
38	33.931	5380	5392	5398	PV 3	6124	174033	0.05%	0.022%
39	34.021	5398	5407	5419	VB 3	29960	834044	0.25%	0.105%
40	34.320	5445	5459	5469	BV 4	8014	248488	0.07%	0.031%

41	34.655	5508	5518	5524	BV	4	9446	247204	0.07%	0.031%
42	34.744	5524	5534	5543	VV	2	51732	1477865	0.44%	0.186%
43	34.867	5543	5555	5572	VV		613731	17440778	5.21%	2.199%
44	35.014	5572	5581	5597	VV	5	8813	263158	0.08%	0.033%
45	35.183	5601	5610	5616	VV	5	10454	287940	0.09%	0.036%
46	35.263	5616	5624	5642	VV	5	42082	1457414	0.44%	0.184%
47	35.438	5642	5655	5668	VV	2	138410	3838723	1.15%	0.484%
48	35.569	5668	5678	5688	VV	6	5411	135058	0.04%	0.017%
49	35.822	5699	5722	5746	PV	2	156888	4831311	1.44%	0.609%
50	36.087	5746	5768	5786	VV		564928	15579739	4.65%	1.964%
51	36.321	5786	5809	5820	VV	5	9313	426307	0.13%	0.054%
52	36.462	5820	5834	5847	PB	4	32038	820241	0.24%	0.103%
53	36.780	5874	5889	5911	BV		1126933	30924946	9.23%	3.899%
54	37.349	5981	5989	5994	BV	3	4006	81931	0.02%	0.010%
55	37.439	5994	6005	6018	PV		644834	15049116	4.49%	1.898%
56	37.594	6028	6032	6038	VV	6	3613	65584	0.02%	0.008%
57	38.197	6126	6137	6144	BV	4	25352	488535	0.15%	0.062%
58	38.271	6144	6150	6158	VV	5	8453	181261	0.05%	0.023%
59	38.451	6166	6181	6190	PV		94553	1970582	0.59%	0.248%
60	38.594	6190	6206	6214	VV	2	195241	5137735	1.53%	0.648%
61	38.658	6214	6218	6223	VV	2	46859	836597	0.25%	0.105%
62	38.726	6223	6230	6233	VV	2	106700	1855011	0.55%	0.234%
63	38.775	6233	6238	6263	VV	2	393431	7527294	2.25%	0.949%
64	39.530	6363	6370	6388	VV	3	11203	197847	0.06%	0.025%
65	39.752	6400	6409	6412	PV	3	7686	112443	0.03%	0.014%
66	39.779	6412	6414	6420	VV	4	5416	71575	0.02%	0.009%
67	40.456	6522	6532	6540	PV	7	12080	202348	0.06%	0.026%
68	40.526	6540	6544	6547	VV	4	2978	46946	0.01%	0.006%
69	40.557	6547	6549	6556	VV	6	4355	77568	0.02%	0.010%
70	40.925	6601	6614	6617	VV	9	3719	78217	0.02%	0.010%
71	41.171	6642	6657	6660	VV	8	4425	117573	0.04%	0.015%
72	41.287	6672	6677	6682	VV	6	11398	169155	0.05%	0.021%
73	41.334	6682	6685	6691	VV	6	4605	96217	0.03%	0.012%
74	41.617	6731	6735	6737	VV	5	4708	69147	0.02%	0.009%
75	41.652	6737	6741	6745	VV	7	4918	87211	0.03%	0.011%
76	41.737	6745	6756	6767	VV	2	49575	866233	0.26%	0.109%
77	41.830	6767	6772	6775	VV	6	10430	175267	0.05%	0.022%
78	41.871	6775	6779	6782	VV	6	5775	107905	0.03%	0.014%
79	41.907	6782	6785	6791	VV	6	12135	210911	0.06%	0.027%
80	42.131	6819	6825	6832	VV	5	11168	180711	0.05%	0.023%
81	42.265	6838	6848	6856	PV	9	3484	80283	0.02%	0.010%
82	42.354	6856	6863	6873	VV	10	6308	123932	0.04%	0.016%
83	42.633	6896	6912	6914	VV	10	2554	73320	0.02%	0.009%
84	42.673	6914	6919	6921	VV	5	3976	68893	0.02%	0.009%
85	42.782	6932	6938	6943	VV	8	3141	71113	0.02%	0.009%
86	42.823	6943	6946	6949	VV	4	3408	38035	0.01%	0.005%
87	42.905	6955	6960	6966	PV	9	3871	95897	0.03%	0.012%
88	43.054	6983	6986	6988	VV	4	2958	32561	0.01%	0.004%
89	43.103	6988	6994	7002	VV	4	2659	76654	0.02%	0.010%
90	43.852	7121	7125	7130	VV	8	2848	41645	0.01%	0.005%

Sum of corrected areas: 793097034