



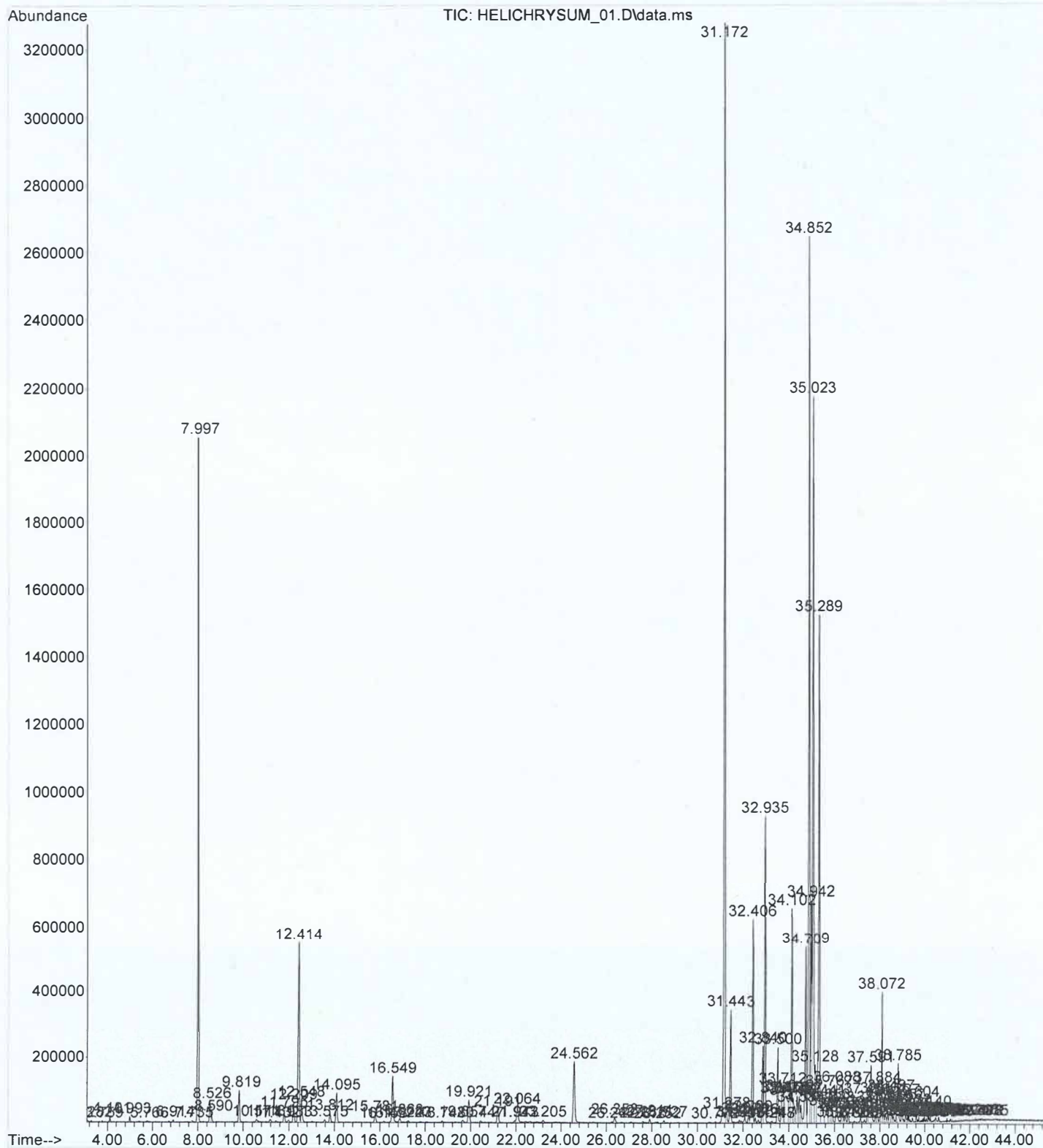
HELICHRYSUM OIL

CHEMICAL COMPOSITION (GC-MS)

LOT NO. 13170

PEAK RT	COMPOUND	CONTENT (%)	SPECIFICATION
7.997	ALPHA PINENE	9.05	20 – 40 %
12.414	D-LIMONENE	3.02	1 – 4 %
32.935	BETA CARYOPHYLLENE	4.21	2 – 9 %
31.172	NERYL ACETATE	15.60	8 – 30 %
16.547	LINALOOL	0.87	MAX 4 %

File : C:\msdchem\1\data\2024\04-04-24B\HELICHRYSUM_01.D
Operator : DMW
Acquired : 4 Apr 2024 20:38 using AcqMethod METHOD_7.M
Instrument : GCMS
Sample Name: HELICHRYSUM OIL
Misc Info : LOT# 13170
Vial Number: 51



Area Percent Report

Data Path : C:\msdchem\1\data\2024\04-04-24B\
Data File : HELICHRYSUM_01.D
Acq On : 4 Apr 2024 20:38
Operator : DMW
Sample : HELICHRYSUM OIL
Misc : LOT# 13170
ALS Vial : 51 Sample Multiplier: 1

Integration Parameters: autoint1.e
Integrator: ChemStation

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

Signal : TIC: HELICHRYSUM_01.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.282	28	35	44	PV	4155	93712	0.09%	0.014%
2	3.759	104	119	124	PV 6	3066	45365	0.04%	0.007%
3	4.101	172	178	189	VV 2	16545	314468	0.30%	0.047%
4	4.993	329	334	345	PV	16035	357815	0.34%	0.054%
5	5.766	464	469	483	VV 3	3625	112888	0.11%	0.017%
6	6.914	662	670	681	BV 5	6840	176963	0.17%	0.027%
7	7.735	806	813	815	BV 4	1318	6067	0.01%	0.001%
8	7.997	842	859	879	BV	2039919	60407133	58.04%	9.053%
9	8.526	939	952	960	VV 5	61545	2003951	1.93%	0.300%
10	8.590	960	963	975	VV 4	23927	654070	0.63%	0.098%
11	9.819	1164	1178	1192	VV 2	95297	3178389	3.05%	0.476%
12	10.571	1297	1309	1319	VV 7	8596	345148	0.33%	0.052%
13	11.181	1397	1416	1445	VV 8	8917	449244	0.43%	0.067%
14	11.432	1445	1459	1470	PV 8	4093	177566	0.17%	0.027%
15	11.795	1501	1523	1536	PV 4	35873	1340986	1.29%	0.201%
16	11.983	1541	1556	1569	VV 5	6983	306348	0.29%	0.046%
17	12.209	1583	1595	1614	VV 2	58049	2119940	2.04%	0.318%
18	12.414	1614	1631	1647	VV 2	549661	20155011	19.36%	3.020%
19	12.548	1647	1654	1682	VV 5	65867	2653091	2.55%	0.398%
20	13.575	1821	1834	1850	VV 8	7696	316950	0.30%	0.047%
21	13.812	1862	1875	1893	PV 2	26776	1010645	0.97%	0.151%
22	14.095	1907	1925	1942	BV 4	88953	3478005	3.34%	0.521%
23	15.781	2206	2220	2245	VV 6	23418	1087871	1.05%	0.163%
24	16.158	2280	2285	2307	VV 10	3716	158271	0.15%	0.024%
25	16.457	2328	2338	2339	VV 7	3746	66904	0.06%	0.010%
26	16.549	2339	2354	2374	VV 4	138955	5779570	5.55%	0.866%
27	16.868	2393	2409	2422	PV 10	12654	591894	0.57%	0.089%
28	17.227	2465	2472	2473	VV 4	4786	84321	0.08%	0.013%
29	17.243	2473	2475	2486	VV 7	4710	101539	0.10%	0.015%
30	18.748	2721	2738	2751	PV 8	5014	185279	0.18%	0.028%
31	19.657	2886	2897	2911	VV 8	7437	345281	0.33%	0.052%
32	19.921	2922	2943	2964	PV 5	68038	3093435	2.97%	0.464%
33	20.447	3016	3035	3042	PV 5	4220	157172	0.15%	0.024%
34	21.191	3150	3165	3185	BV 6	39752	1825288	1.75%	0.274%
35	21.942	3285	3296	3300	PV 5	6091	182272	0.18%	0.027%
36	21.973	3300	3302	3303	VV 2	6200	54540	0.05%	0.008%
37	22.064	3303	3318	3340	VV 7	44864	2304941	2.21%	0.345%
38	23.205	3501	3517	3533	BV 7	6938	315375	0.30%	0.047%
39	24.562	3731	3754	3787	BV 3	184211	8633454	8.29%	1.294%
40	26.242	4046	4048	4056	VV 8	3867	96112	0.09%	0.014%

41	26.358	4056	4068	4087	VV 8	14989	751383	0.72%	0.113%
42	27.616	4275	4288	4296	PV 10	5062	189830	0.18%	0.028%
43	27.911	4326	4339	4355	VV 3	11540	405348	0.39%	0.061%
44	28.252	4390	4399	4415	VV 7	3632	139197	0.13%	0.021%
45	28.527	4435	4447	4461	VV 8	7536	275468	0.26%	0.041%
46	30.772	4831	4839	4843	PV 6	3518	66136	0.06%	0.010%
47	31.172	4872	4909	4921	VV	3256557	104086403	100.00%	15.599%
48	31.278	4921	4928	4943	VV 9	33980	1206559	1.16%	0.181%
49	31.443	4943	4957	4975	VV 2	339126	10961710	10.53%	1.643%
50	31.841	5017	5026	5034	VV 7	7935	267502	0.26%	0.040%
51	31.916	5034	5039	5048	VV 9	6374	188120	0.18%	0.028%
52	32.078	5052	5068	5079	VV 7	17105	697287	0.67%	0.104%
53	32.239	5079	5096	5103	VV 4	24102	847112	0.81%	0.127%
54	32.406	5103	5125	5139	VV 2	615731	20050099	19.26%	3.005%
55	32.526	5139	5146	5158	VV 7	15133	507268	0.49%	0.076%
56	32.664	5158	5170	5179	VV 9	8678	323299	0.31%	0.048%
57	32.840	5188	5201	5207	VV 2	229405	6734734	6.47%	1.009%
58	32.935	5207	5217	5239	VV 2	918630	28110324	27.01%	4.213%
59	33.218	5262	5267	5269	VV 3	3863	55637	0.05%	0.008%
60	33.247	5269	5272	5274	VV 4	4659	63435	0.06%	0.010%
61	33.500	5304	5316	5336	VV 2	224970	6693834	6.43%	1.003%
62	33.712	5336	5353	5363	VV 7	107836	5933814	5.70%	0.889%
63	33.775	5363	5364	5369	VV 5	78899	1762592	1.69%	0.264%
64	33.863	5369	5380	5398	VV 5	80528	7212174	6.93%	1.081%
65	34.019	5398	5407	5412	VV 4	86350	3364323	3.23%	0.504%
66	34.102	5412	5421	5431	VV	645039	19019040	18.27%	2.850%
67	34.183	5431	5435	5445	VV 8	71956	2805480	2.70%	0.420%
68	34.352	5455	5465	5473	VV 4	78694	2939200	2.82%	0.440%
69	34.437	5473	5480	5487	VV 3	77559	2610952	2.51%	0.391%
70	34.514	5487	5493	5504	VV 6	52073	1878538	1.80%	0.282%
71	34.709	5504	5527	5540	VV 2	530930	17280900	16.60%	2.590%
72	34.852	5540	5552	5561	VV	2626015	75008897	72.06%	11.241%
73	34.942	5561	5568	5573	VV	672705	18809106	18.07%	2.819%
74	35.023	5573	5582	5596	VV	2152850	69747383	67.01%	10.452%
75	35.128	5596	5601	5612	VV 3	174726	8162161	7.84%	1.223%
76	35.289	5612	5629	5645	VV	1525938	51445464	49.43%	7.710%
77	35.441	5645	5655	5675	VV 9	69414	4103320	3.94%	0.615%
78	35.653	5675	5692	5704	VV 8	59130	3384324	3.25%	0.507%
79	35.767	5704	5712	5719	VV 3	98639	2916174	2.80%	0.437%
80	35.828	5719	5723	5733	VV 7	51404	1907585	1.83%	0.286%
81	35.913	5733	5738	5749	VV 4	40690	1280052	1.23%	0.192%
82	36.088	5753	5768	5787	VV 3	111285	3736725	3.59%	0.560%
83	36.244	5787	5796	5800	VV 9	7258	243102	0.23%	0.036%
84	36.319	5800	5809	5814	VV 5	30272	958590	0.92%	0.144%
85	36.374	5814	5818	5827	VV 7	33067	933814	0.90%	0.140%
86	36.472	5827	5836	5848	VV 4	22933	791729	0.76%	0.119%
87	36.606	5848	5859	5870	VV 4	34792	1090284	1.05%	0.163%
88	36.866	5894	5904	5909	PV 7	4609	124209	0.12%	0.019%
89	37.089	5928	5943	5945	PV 7	3568	81267	0.08%	0.012%
90	37.141	5945	5953	5968	VV 7	15309	439956	0.42%	0.066%
91	37.309	5968	5982	5991	VV 9	8815	290136	0.28%	0.043%
92	37.454	5991	6007	6010	VV 5	76110	1990518	1.91%	0.298%
93	37.591	6010	6031	6053	VV 9	171250	11199403	10.76%	1.678%
94	37.806	6053	6069	6075	VV 8	24141	795737	0.76%	0.119%
95	37.884	6075	6082	6091	VV 2	108287	2453719	2.36%	0.368%
96	38.005	6096	6103	6108	VV 5	49440	1100666	1.06%	0.165%

97	38.072	6108	6115	6124	VV	388341	8051406	7.74%	1.207%
98	38.161	6124	6131	6138	VV 2	76035	1658632	1.59%	0.249%
99	38.238	6138	6144	6154	VV 2	28035	895436	0.86%	0.134%
100	38.335	6154	6161	6168	VV 2	52538	1111966	1.07%	0.167%
101	38.454	6168	6182	6185	VV 7	53333	1672059	1.61%	0.251%
102	38.497	6185	6189	6199	VV 2	83423	1938998	1.86%	0.291%
103	38.582	6199	6204	6213	VV 7	18595	618281	0.59%	0.093%
104	38.727	6222	6230	6233	VV 2	71361	1313986	1.26%	0.197%
105	38.785	6233	6240	6255	VV 4	176831	4782648	4.59%	0.717%
106	38.957	6261	6270	6280	VV 7	57963	1670373	1.60%	0.250%
107	39.037	6280	6284	6288	VV 7	9103	181988	0.17%	0.027%
108	39.130	6294	6300	6311	VV 7	30302	794979	0.76%	0.119%
109	39.222	6311	6316	6321	VV	41365	630015	0.61%	0.094%
110	39.279	6321	6326	6334	VV 5	31373	545779	0.52%	0.082%
111	39.342	6334	6337	6342	VV 4	7801	127937	0.12%	0.019%
112	39.439	6347	6354	6367	VV 4	12616	357482	0.34%	0.054%
113	39.604	6377	6383	6390	PV 2	65802	1009833	0.97%	0.151%
114	39.669	6390	6394	6398	VV 6	7976	133757	0.13%	0.020%
115	39.720	6398	6403	6410	VV 2	18164	297085	0.29%	0.045%
116	39.804	6414	6418	6420	VV 4	5702	80619	0.08%	0.012%
117	39.831	6420	6423	6427	VV 4	5510	82878	0.08%	0.012%
118	39.882	6427	6431	6437	VV 7	9998	153968	0.15%	0.023%
119	39.935	6437	6441	6445	VV 4	12981	198799	0.19%	0.030%
120	39.984	6445	6449	6454	VV 4	16587	250950	0.24%	0.038%
121	40.019	6454	6455	6457	VV 2	4675	40956	0.04%	0.006%
122	40.039	6457	6459	6461	VV 3	6976	69387	0.07%	0.010%
123	40.069	6461	6464	6472	VV 9	11058	221167	0.21%	0.033%
124	40.140	6472	6477	6481	VV 2	35211	546060	0.52%	0.082%
125	40.186	6481	6485	6491	VV 5	15653	309122	0.30%	0.046%
126	40.247	6491	6495	6506	VV 3	16239	279517	0.27%	0.042%
127	40.425	6515	6526	6531	VV 3	6507	258113	0.25%	0.039%
128	40.477	6531	6535	6547	VV 10	13164	430052	0.41%	0.064%
129	40.615	6555	6560	6571	VV 8	14726	373047	0.36%	0.056%
130	40.986	6620	6625	6628	PV 3	10113	124358	0.12%	0.019%
131	41.129	6638	6649	6652	VV 3	7190	186774	0.18%	0.028%
132	41.176	6652	6658	6661	VV 6	9281	188496	0.18%	0.028%
133	42.248	6839	6845	6853	VV 9	7929	177342	0.17%	0.027%
134	42.388	6866	6870	6872	VV 5	4804	70397	0.07%	0.011%
135	42.418	6872	6875	6881	VV 8	5489	106512	0.10%	0.016%
136	42.472	6881	6884	6887	VV 5	4513	60821	0.06%	0.009%
137	42.675	6916	6920	6931	VV 10	3780	89969	0.09%	0.013%

Sum of corrected areas: 667281238

METHOD_7.M Sun Apr 13 17:54:55 2025