LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
Data File : VV010132.D
Acq On : 05 Apr 2019 15:46
Operator : SY/MD
Sample : K2168-06
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF647

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.209	31	37	49	rBV2	6940	14447	2.49%	0.316%
2	1.315	62	70	81	rBV	50445	56554	9.73%	1.236%
3	1.457	109	114	115	rBV4	8197	6697	1.15%	0.146%
4	1.560	141	146	155	rVB	51953	61275	10.55%	1.339%
5	2.122	312	321	334	rVV	121847	175217	30.15%	3.828%
6	2.177	335	338	352	rVB3	8850	14648	2.52%	0.320%
7	2.248	358	360	363	rVB2	766	397	0.07%	0.009%
8	2.312	372	380	390	rBV6	3177	7086	1.22%	0.155%
9	2.364	394	396	400	rVB3	1227	782	0.13%	0.017%
10	2.425	405	415	431	rBV	24862	44900	7.73%	0.981%
11	2.531	437	448	465	rVB	25812	46843	8.06%	1.023%
12	2.595	465	468	474	rBV4	621	609	0.10%	0.013%
13	2.637	475	481	482	rBV3	676	577	0.10%	0.013%
14	2.698	498	500	506	rVB3	698	685	0.12%	0.015%
15	2.743	511	514	519	rVV3	500	422	0.07%	0.009%
16	2.769	520	522	525	rVV4	744	415	0.07%	0.009%
17	2.785	525	527	532	rVV3	490	449	0.08%	0.010%
18	3.061	606	613	615	rBV3	3532	3552	0.61%	0.078%
19	3.447	729	733	737	rVV3	825	796	0.14%	0.017%
20	3.495	746	748	750	rVB2	849	398	0.07%	0.009%
21	3.566	767	770	777	rBV2	689	731	0.13%	0.016%
22	3.939	869	886	905	rBV2	11886	33400	5.75%	0.730%
23	4.113	938	940	948	rVB4	667	572	0.10%	0.012%
24	4.277	985	991	993	rVV3	1219	1289	0.22%	0.028%
25	4.399	1013	1029	1053	rVB3	92510	231203	39.79%	5.051%
26	4.704	1120	1124	1127	rBV3	824	738	0.13%	0.016%
27	4.945	1197	1199	1205	rVB2	647	398	0.07%	0.009%
28	5.090	1227	1244	1271	rBV2	225007	581063	100.00%	12.695%
29	5.216	1281	1283	1291	rVB5	835	972	0.17%	0.021%
30	5.264	1295	1298	1303	rVV3	801	711	0.12%	0.016%
31	5.293	1305	1307	1312	rVB2	912	520	0.09%	0.011%
32	5.447	1351	1355	1362	rVB3	681	861	0.15%	0.019%
33	5.662	1408	1422	1445	rVV2	166607	333475	57.39%	7.286%
34	5.942	1497	1509	1525	rBV3	15654	28732	4.94%	0.628%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040519\
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Acq On : 05 Apr 2019 15:46
Operator : SY/MD
Sample : K2168-06
Misc : 5.00G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF647

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Title : VOC Analysis

35	6.000	1525	1527	1529	rBV2	963	646	0.11%	0.014%
36	6.116	1549	1563	1581	rBV	134557	274383	47.22%	5.995%
37	6.341	1631	1633	1641	rBV3	530	495	0.09%	0.011%
38	6.380	1641	1645	1647	rVB3	955	616	0.11%	0.013%
39	6.521	1685	1689	1694	rVV4	365	392	0.07%	0.009%
40	6.695	1735	1743	1755	rVB9	3649	6869	1.18%	0.150%
41	6.820	1773	1782	1792	rVB5	2498	4753	0.82%	0.104%
42	7.029	1835	1847	1860	rBV2	65307	113704	19.57%	2.484%
43	7.215	1901	1905	1908	rVB2	474	420	0.07%	0.009%
44	7.235	1908	1911	1914	rBV2	558	460	0.08%	0.010%
45	7.302	1924	1932	1937	rBV5	2037	3318	0.57%	0.072%
46	7.357	1937	1949	1968	rBV	258186	451870	77.77%	9.872%
47	7.540	2003	2006	2009	rBV2	766	579	0.10%	0.013%
48	7.662	2034	2044	2059	rBV2	46352	80656	13.88%	1.762%
49	7.791	2079	2084	2086	rBV2	518	447	0.08%	0.010%
50	7.830	2092	2096	2100	rBV5	998	1027	0.18%	0.022%
51	8.023	2154	2156	2159	rVB2	1694	802	0.14%	0.018%
52	8.132	2180	2190	2207	rBV	74228	135532	23.32%	2.961%
53	8.450	2285	2289	2292	rVB3	648	408	0.07%	0.009%
54	8.588	2329	2332	2336	rBV3	947	645	0.11%	0.014%
55	8.633	2343	2346	2349	rBV3	840	605	0.10%	0.013%
56	8.666	2353	2356	2359	rVB2	690	443	0.08%	0.010%
57	8.894	2413	2427	2446	rBV	278450	461673	79.45%	10.086%
58	9.051	2470	2476	2477	rBV2	1095	1009	0.17%	0.022%
59	9.061	2477	2479	2482	rVB3	1131	646	0.11%	0.014%
60	9.109	2488	2494	2497	rBV4	528	517	0.09%	0.011%
61	9.145	2502	2505	2509	rVV2	787	638	0.11%	0.014%
62	9.190	2512	2519	2529	rVB8	1573	3204	0.55%	0.070%
63	9.267	2541	2543	2545	rVV2	690	402	0.07%	0.009%
64	9.347	2565	2568	2571	rBV2	507	416	0.07%	0.009%
65	9.431	2591	2594	2597	rBV2	608	415	0.07%	0.009%
66	9.502	2613	2616	2619	rBV3	778	674	0.12%	0.015%
67	9.521	2619	2622	2632	rVB8	1301	1441	0.25%	0.031%
68	9.611	2646	2650	2651	rBV2	514	377	0.06%	0.008%
69	9.653	2659	2663	2666	rBV4	728	510	0.09%	0.011%
70	9.717	2678	2683	2689	rVV5	998	1377	0.24%	0.030%
71	9.752	2689	2694	2703	rVB6	2582	3926	0.68%	0.086%

LSC Area Percent Report

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Acq On : 05 Apr 2019 15:46
Operator : SY/MD
Sample : K2168-06
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF647

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Title : VOC Analysis

72	9.810	2710	2712	2715	rVB3	718	389	0.07%	0.008%
73	9.839	2715	2721	2723	rBV5	2697	2896	0.50%	0.063%
74	9.945	2749	2754	2759	rBV6	1088	1437	0.25%	0.031%
75	9.974	2761	2763	2767	rVB2	613	373	0.06%	0.008%
76	9.994	2767	2769	2771	rBV2	701	381	0.07%	0.008%
77	10.100	2800	2802	2806	rBV4	618	446	0.08%	0.010%
78	10.174	2821	2825	2830	rVV4	2268	2074	0.36%	0.045%
79	10.260	2841	2852	2871	rBV	172792	282469	48.61%	6.171%
80	10.424	2896	2903	2906	rBV5	4470	5193	0.89%	0.113%
81	10.492	2920	2924	2926	rBV4	1788	1452	0.25%	0.032%
82	10.556	2933	2944	2953	rBV8	3941	7294	1.26%	0.159%
83	10.611	2953	2961	2969	rBV8	3373	6269	1.08%	0.137%
84	10.707	2986	2991	2993	rBV3	1080	813	0.14%	0.018%
85	10.756	3002	3006	3007	rBV2	890	619	0.11%	0.014%
86	10.772	3007	3011	3016	rVV5	2081	2375	0.41%	0.052%
87	10.916	3050	3056	3058	rBV4	1792	1985	0.34%	0.043%
88	11.077	3099	3106	3112	rBV9	2972	4101	0.71%	0.090%
89	11.135	3121	3124	3127	rBV4	2094	1731	0.30%	0.038%
90	11.199	3137	3144	3151	rVB7	6075	9374	1.61%	0.205%
91	11.296	3163	3174	3192	rBV	237510	400348	68.90%	8.747%
92	11.592	3259	3266	3270	rBV9	2208	3003	0.52%	0.066%
93	11.672	3276	3291	3306	rBV	262055	449266	77.32%	9.815%
94	11.981	3376	3387	3389	rBV10	7711	10953	1.88%	0.239%
95	12.305	3475	3488	3499	rBV10	17110	39726	6.84%	0.868%
96	12.415	3510	3522	3542	rBV7	20391	53869	9.27%	1.177%
97	12.521	3548	3555	3568	rVB7	14117	25497	4.39%	0.557%
98	12.682	3600	3605	3614	rBV7	7085	12264	2.11%	0.268%
99	13.527	3862	3868	3879	rVB6	26605	39666	6.83%	0.867%
100	15.640	4522	4525	4526	rBV3	5377	3261	0.56%	0.071%

Sum of corrected areas: 4577233

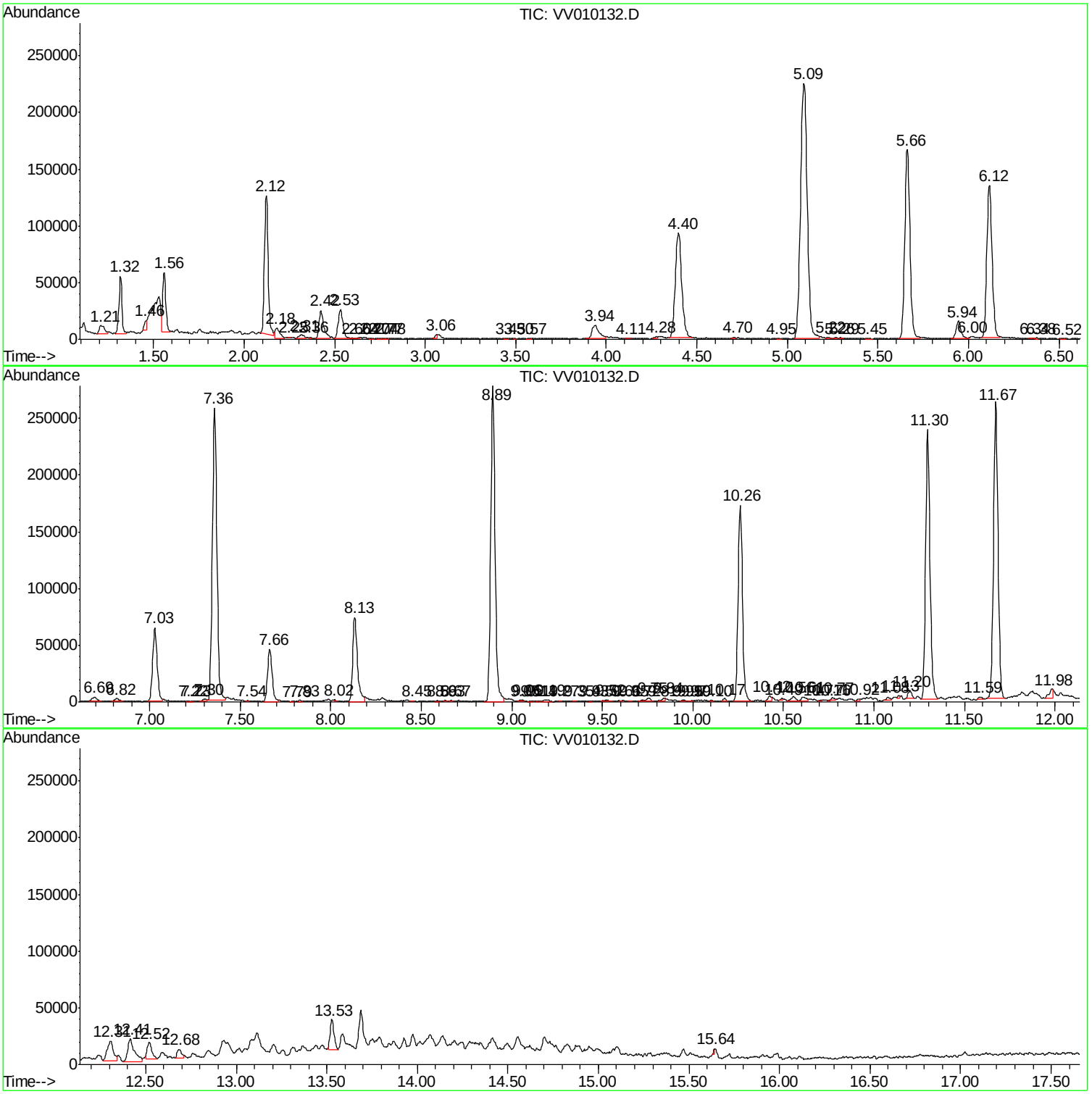
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
Data File : VV010132.D
Acq On : 05 Apr 2019 15:46
Operator : SY/MD
Sample : K2168-06
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF647

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
Data File : VV010132.D
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ClientSampleId : BF647

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

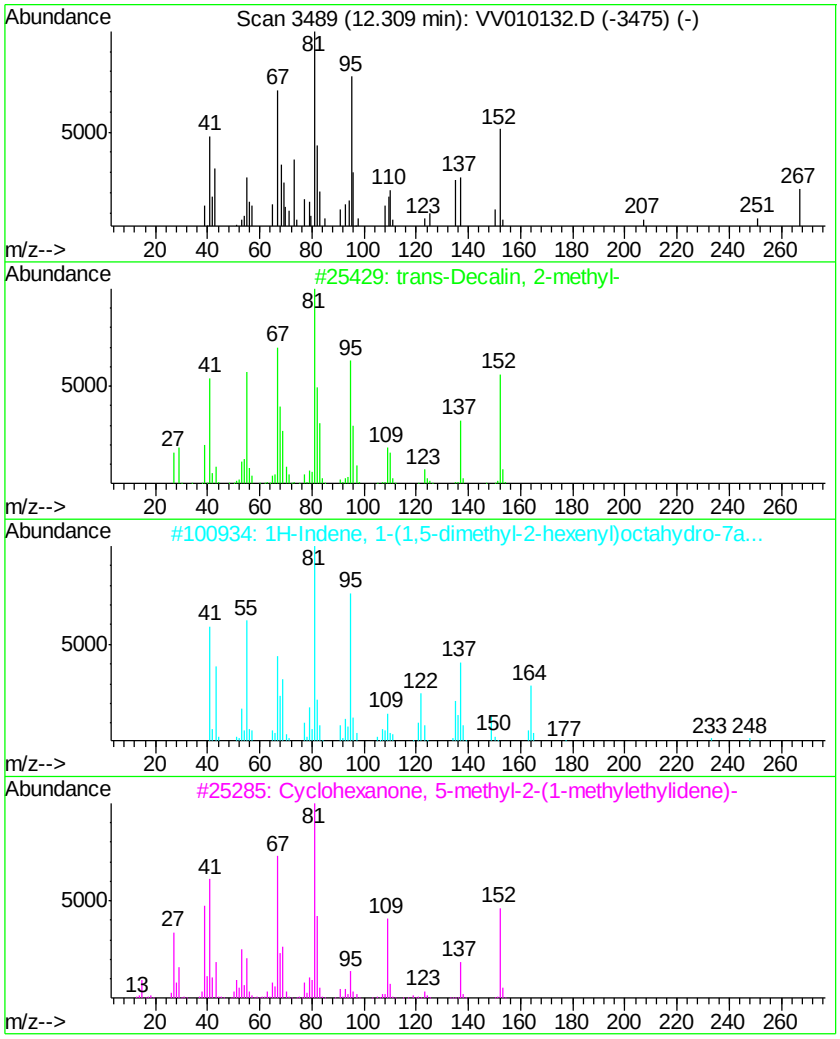
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

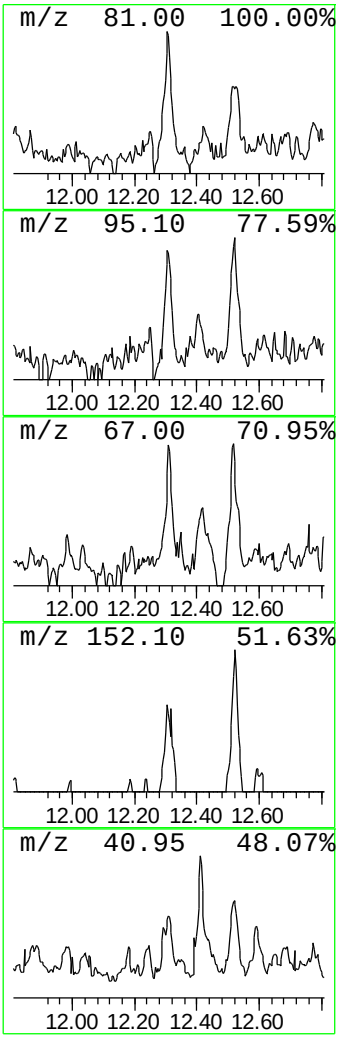
****

Peak Number 3 trans-Decalin, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	2.48 ug/L	39726	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	58
2	1H-Indene, 1-(1,5-dimethyl-2-hex...	248	C18H32	054411-95-9	53
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	53
4	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	50
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
Data File : VV010132.D
Acq On : 05 Apr 2019 15:46
Operator : SY/MD
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Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF647

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

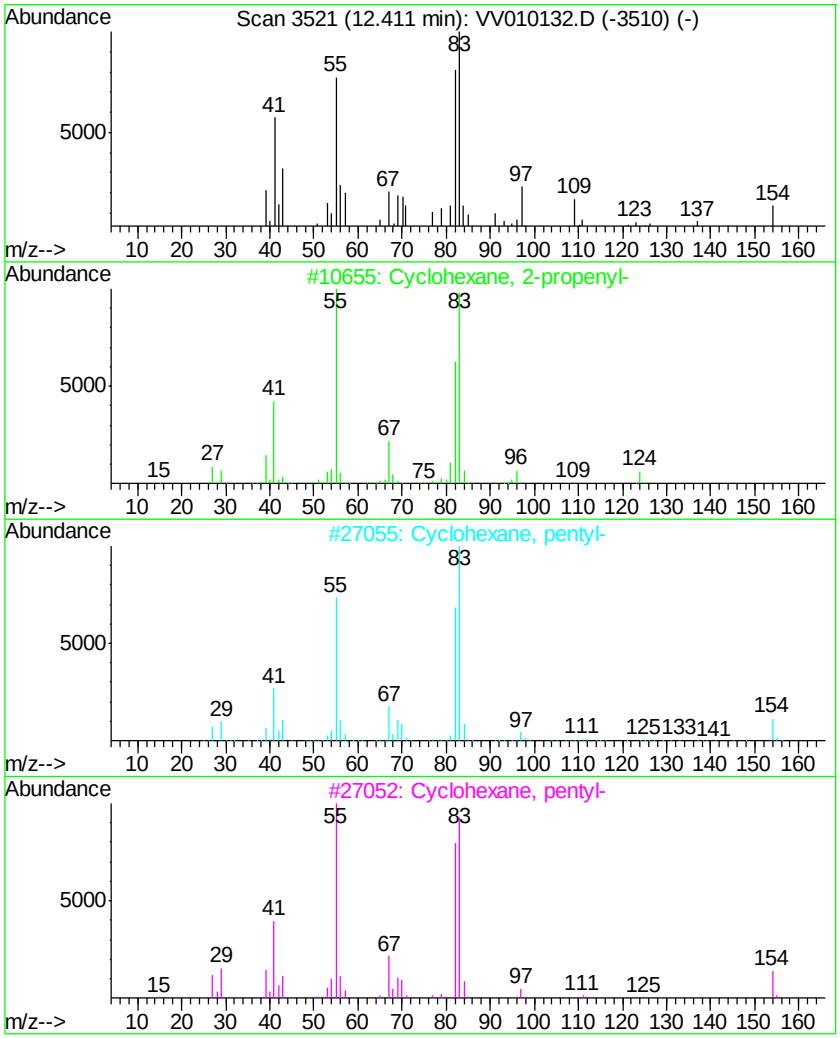
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

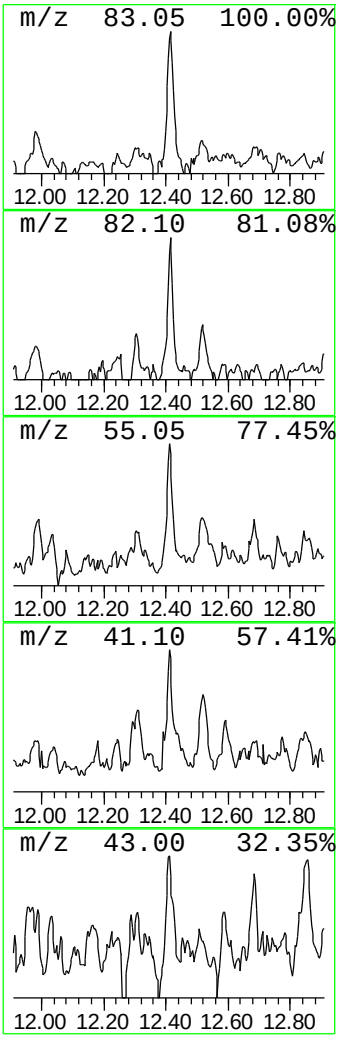
****

Peak Number 4 Cyclohexane, 2-propenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	3.36 ug/L	53869	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	76
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
4	Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	64
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	59





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Instrument : MSVOA_V
ClientSampleId : BF647

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

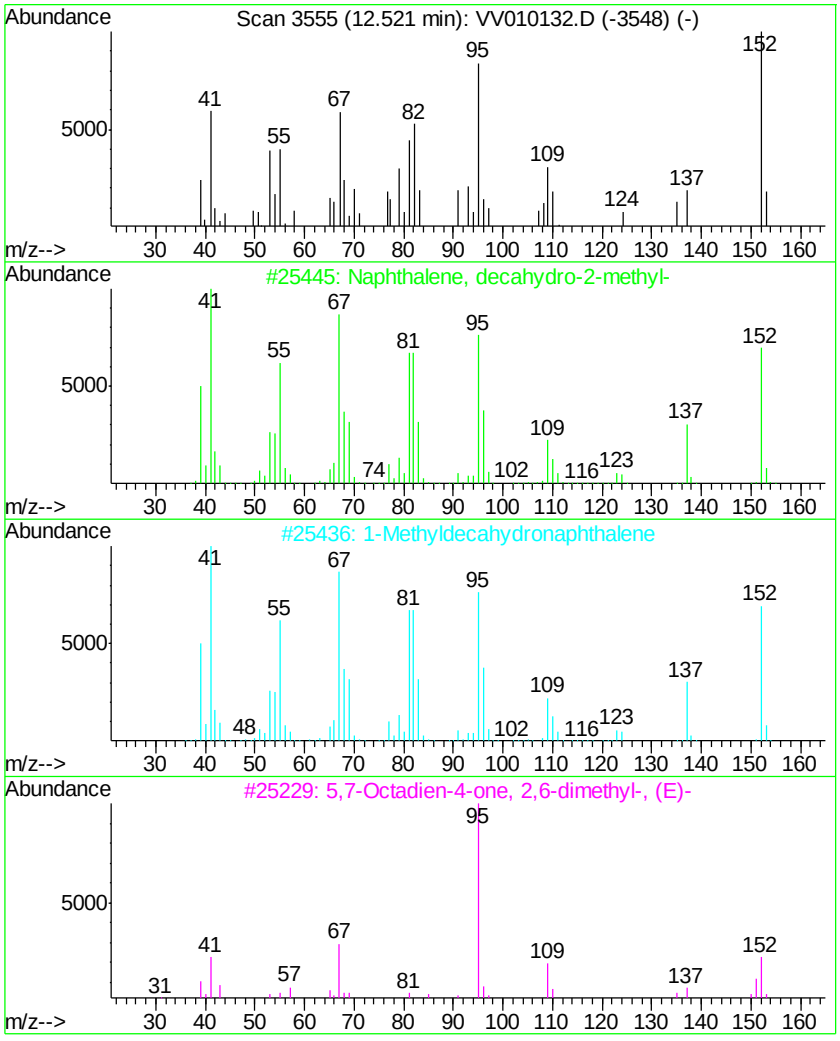
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

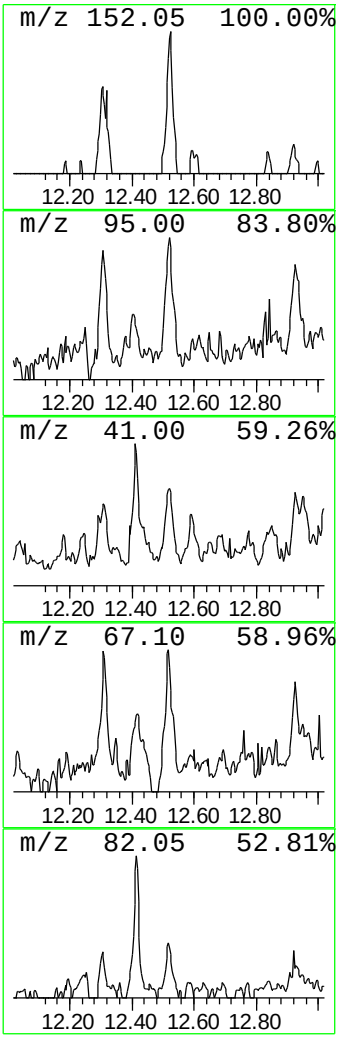
****

Peak Number 5 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	1.59 ug/L	25497	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	49
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	49
3	5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	006752-80-3	45
4	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	43
5	2,3-Hexadiene, 2-methyl-	96	C7H12	029212-09-7	38





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF647

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

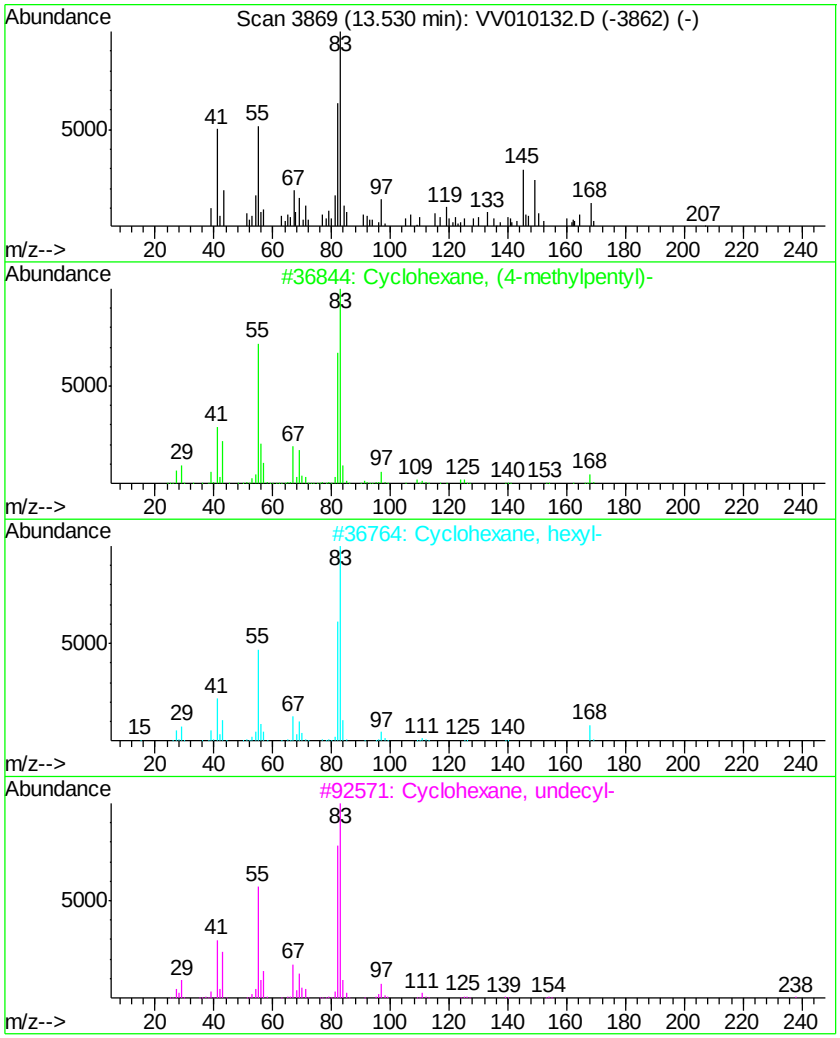
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

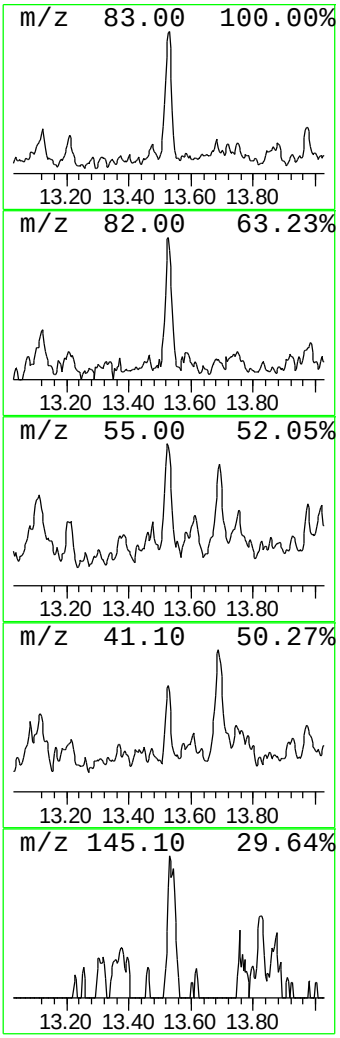
****

Peak Number 6 (DEL) Alkane: Cyclic13.53 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	2.48 ug/L	39666	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	70
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
3	Cyclohexane, undecyl-	238	C17H34	054105-66-7	52
4	Cyclohexane, hexyl-	168	C12H24	004292-75-5	52
5	Cyclohexane, eicosyl-	364	C26H52	004443-55-4	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
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Operator : SY/MD
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF647

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
trans-Decalin, 2-...	12.31	2.5	ug/L	39726	3	11.30	400348	25.0
Cyclohexane, 2-pr...	12.41	3.4	ug/L	53869	3	11.30	400348	25.0
unknown-01	12.52	1.6	ug/L	25497	3	11.30	400348	25.0
(DEL) Alkane: Cyc...	13.53	2.5	ug/L	39666	3	11.30	400348	25.0