LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011154.D
Acq On : 30 May 2019 23:49
Operator : SY/MD
Sample : K3083-06
Misc : 6.33G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F9

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\SOM2VLM053019S.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	1.315	65	70	80	rVB	148665	142838	12.85%	1.665%
2	1.566	144	148	157	rVB	114102	128877	11.59%	1.502%
3	2.122	313	321	334	rVB	259632	365570	32.88%	4.260%
4	2.765	518	521	522	rBV4	1312	696	0.06%	0.008%
5	2.949	575	578	581	rBV4	1724	1019	0.09%	0.012%
6	3.376	708	711	712	rBV3	934	610	0.05%	0.007%
7	3.470	738	740	743	rVB4	1012	455	0.04%	0.005%
8	3.511	751	753	755	rBV3	556	362	0.03%	0.004%
9	3.634	790	791	793	rBV2	401	155	0.01%	0.002%
10	3.682	803	806	807	rBV3	852	422	0.04%	0.005%
11	3.753	818	828	841	rBV5	12127	28314	2.55%	0.330%
12	3.936	875	885	910	rBV	52634	135683	12.20%	1.581%
13	4.090	931	933	935	rBV2	1143	671	0.06%	0.008%
14	4.232	975	977	979	rBV3	877	324	0.03%	0.004%
15	4.399	1013	1029	1051	rBV	182176	439419	39.52%	5.121%
16	4.846	1164	1168	1174	rBV7	1403	1269	0.11%	0.015%
17	4.897	1182	1184	1188	rVB4	1178	607	0.05%	0.007%
18	4.926	1188	1193	1195	rBV4	1411	1036	0.09%	0.012%
19	4.955	1199	1202	1204	rBV3	769	536	0.05%	0.006%
20	5.000	1214	1216	1218	rVB3	900	352	0.03%	0.004%
21	5.029	1222	1225	1227	rBV4	1399	813	0.07%	0.009%
22	5.093	1227	1245	1268	rBV2	446321	1111920	100.00%	12.958%
23	5.335	1318	1320	1321	rBV2	979	388	0.03%	0.005%
24	5.662	1407	1422	1447	rBV	353572	725942	65.29%	8.460%
25	5.891	1490	1493	1499	rVB7	2068	1618	0.15%	0.019%
26	5.920	1499	1502	1503	rBV3	909	525	0.05%	0.006%
27	6.116	1550	1563	1592	rBV	261586	531693	47.82%	6.196%
28	6.331	1621	1630	1651	rBV	48797	92050	8.28%	1.073%
29	6.781	1768	1770	1774	rVB3	730	434	0.04%	0.005%
30	6.801	1774	1776	1777	rBV	807	405	0.04%	0.005%
31	6.839	1785	1788	1790	rBV4	1113	635	0.06%	0.007%
32	6.875	1798	1799	1801	rVB2	973	284	0.03%	0.003%
33	6.884	1801	1802	1805	rBV3	597	317	0.03%	0.004%
34	6.904	1807	1808	1809	rBV2	310	76	0.01%	0.001%

LSC Area Percent Report

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Sample : K3083-06
Misc : 6.33G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F9

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\SOM2VLM053019S.M
Title : VOC Analysis

35	6.933	1814	1817	1818	rVV3	744	341	0.03%	0.004%
36	6.942	1818	1820	1822	rVV3	576	255	0.02%	0.003%
37	7.029	1836	1847	1866	rVB	151464	267159	24.03%	3.113%
38	7.187	1887	1896	1904	rBV	3573	7355	0.66%	0.086%
39	7.357	1937	1949	1968	rBV	497606	871485	78.38%	10.156%
40	7.595	2021	2023	2025	rBV2	1386	625	0.06%	0.007%
41	7.662	2032	2044	2061	rBV	101484	173030	15.56%	2.016%
42	7.894	2112	2116	2118	rBV4	1718	1425	0.13%	0.017%
43	8.132	2179	2190	2217	rBV	205235	372854	33.53%	4.345%
44	8.280	2227	2236	2259	rVB	236031	391805	35.24%	4.566%
45	8.572	2325	2327	2328	rBV	941	417	0.04%	0.005%
46	8.659	2351	2354	2356	rBV4	1315	673	0.06%	0.008%
47	8.688	2360	2363	2364	rBV2	1159	669	0.06%	0.008%
48	8.723	2372	2374	2375	rVB2	1055	280	0.03%	0.003%
49	8.756	2382	2384	2388	rBV4	1272	648	0.06%	0.008%
50	8.894	2407	2427	2449	rBV	526759	886720	79.75%	10.334%
51	9.180	2508	2516	2518	rBV6	3222	4188	0.38%	0.049%
52	9.540	2622	2628	2630	rBV7	2118	2410	0.22%	0.028%
53	9.807	2709	2711	2713	rBV3	1286	592	0.05%	0.007%
54	9.852	2716	2725	2736	rBV5	14171	25612	2.30%	0.298%
55	10.096	2799	2801	2802	rBV2	464	108	0.01%	0.001%
56	10.109	2803	2805	2806	rBV2	548	162	0.01%	0.002%
57	10.260	2841	2852	2869	rVB	256845	403525	36.29%	4.703%
58	10.421	2895	2902	2915	rVB3	15726	27878	2.51%	0.325%
59	10.502	2925	2927	2929	rBV3	850	490	0.04%	0.006%
60	10.698	2985	2988	2992	rVB5	1242	956	0.09%	0.011%
61	10.723	2992	2996	2997	rBV4	801	512	0.05%	0.006%
62	10.759	3001	3007	3014	rVV9	2102	3147	0.28%	0.037%
63	11.296	3162	3174	3192	rBV2	429385	717863	64.56%	8.366%
64	11.424	3212	3214	3217	rBV5	1355	687	0.06%	0.008%
65	11.527	3243	3246	3248	rVB3	1329	672	0.06%	0.008%
66	11.540	3248	3250	3253	rVB3	720	395	0.04%	0.005%
67	11.579	3254	3262	3269	rBV4	5121	9033	0.81%	0.105%
68	11.672	3279	3291	3305	rBV	405696	658792	59.25%	7.677%
69	11.990	3388	3390	3391	rBV2	1056	549	0.05%	0.006%
70	12.225	3459	3463	3464	rBV5	1238	941	0.08%	0.011%
71	12.296	3477	3485	3494	rBV	8269	13772	1.24%	0.160%

LSC Area Percent Report

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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Title : VOC Analysis

72	12.389	3510	3514	3515	rBV3	4710	3246	0.29%	0.038%
73	12.591	3574	3577	3578	rBV4	1033	539	0.05%	0.006%
74	12.636	3590	3591	3593	rBV2	622	205	0.02%	0.002%
75	12.653	3593	3596	3600	rVB4	1773	1376	0.12%	0.016%
76	12.675	3600	3603	3604	rBV2	1010	625	0.06%	0.007%
77	12.887	3667	3669	3673	rBV5	809	498	0.04%	0.006%
78	13.286	3788	3793	3795	rBV6	1267	1088	0.10%	0.013%
79	13.360	3814	3816	3817	rBV2	504	158	0.01%	0.002%
80	13.402	3828	3829	3830	rBV	920	215	0.02%	0.003%
81	13.415	3830	3833	3834	rBV3	982	438	0.04%	0.005%
82	13.675	3912	3914	3918	rBV3	975	645	0.06%	0.008%
83	13.874	3972	3976	3978	rBV4	927	699	0.06%	0.008%
84	13.977	4003	4008	4009	rBV5	1325	978	0.09%	0.011%
85	14.350	4121	4124	4126	rBV3	1078	716	0.06%	0.008%
86	14.437	4149	4151	4153	rBV3	897	408	0.04%	0.005%
87	14.781	4256	4258	4262	rVB3	1142	550	0.05%	0.006%
88	14.800	4262	4264	4269	rBV6	1163	697	0.06%	0.008%
89	14.839	4274	4276	4277	rBV2	652	202	0.02%	0.002%
90	14.939	4304	4307	4310	rBV3	1383	1057	0.10%	0.012%
91	15.045	4336	4340	4341	rBV3	1166	847	0.08%	0.010%
92	15.067	4344	4347	4353	rBV8	1472	1376	0.12%	0.016%

Sum of corrected areas: 8580903

LSC Report - Integrated Chromatogram

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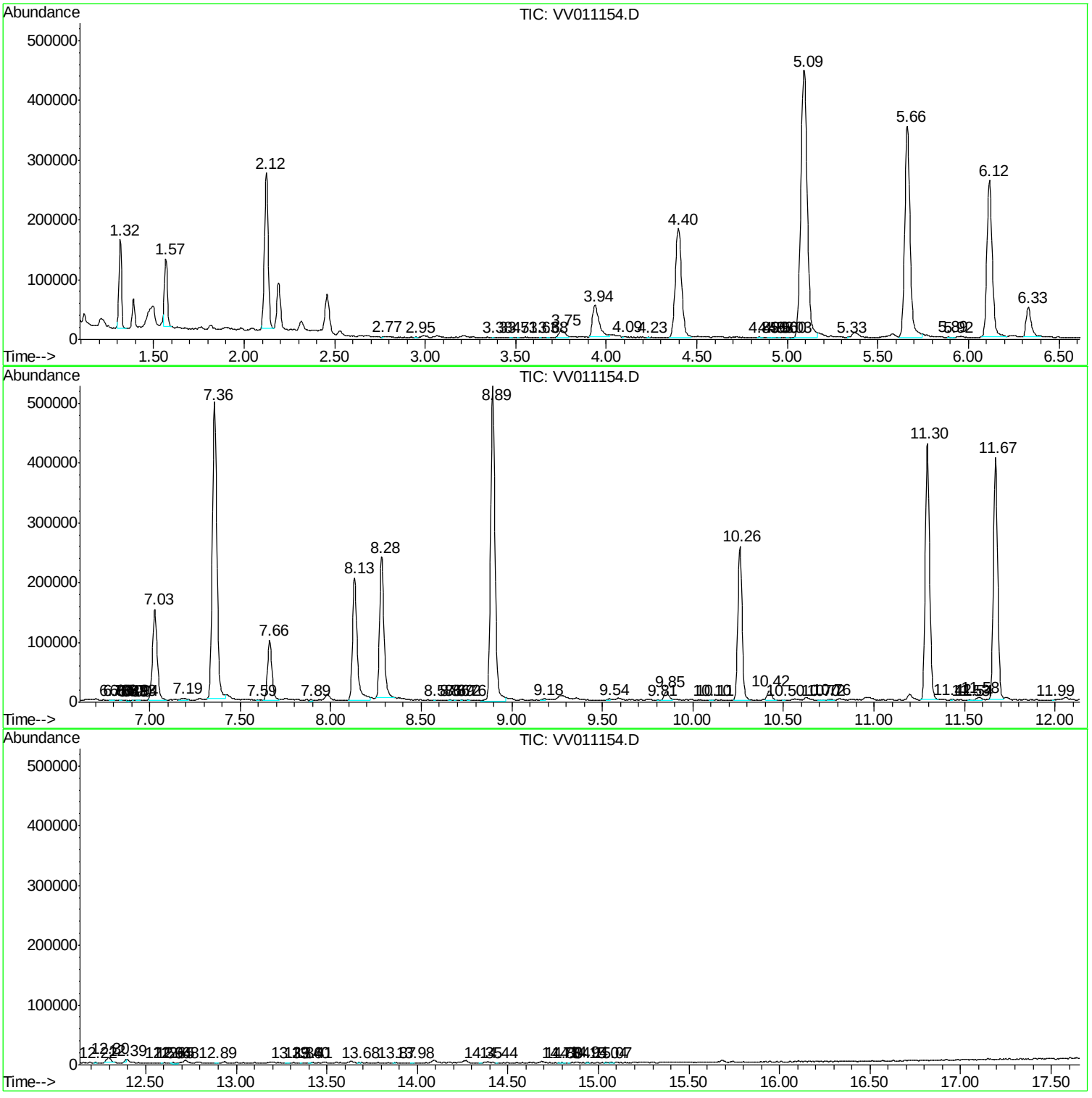
Sample : K3083-06
Misc : 6.33G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011154.D
Acq On : 30 May 2019 23:49
Operator : SY/MD
Sample : K3083-06
Misc : 6.33G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

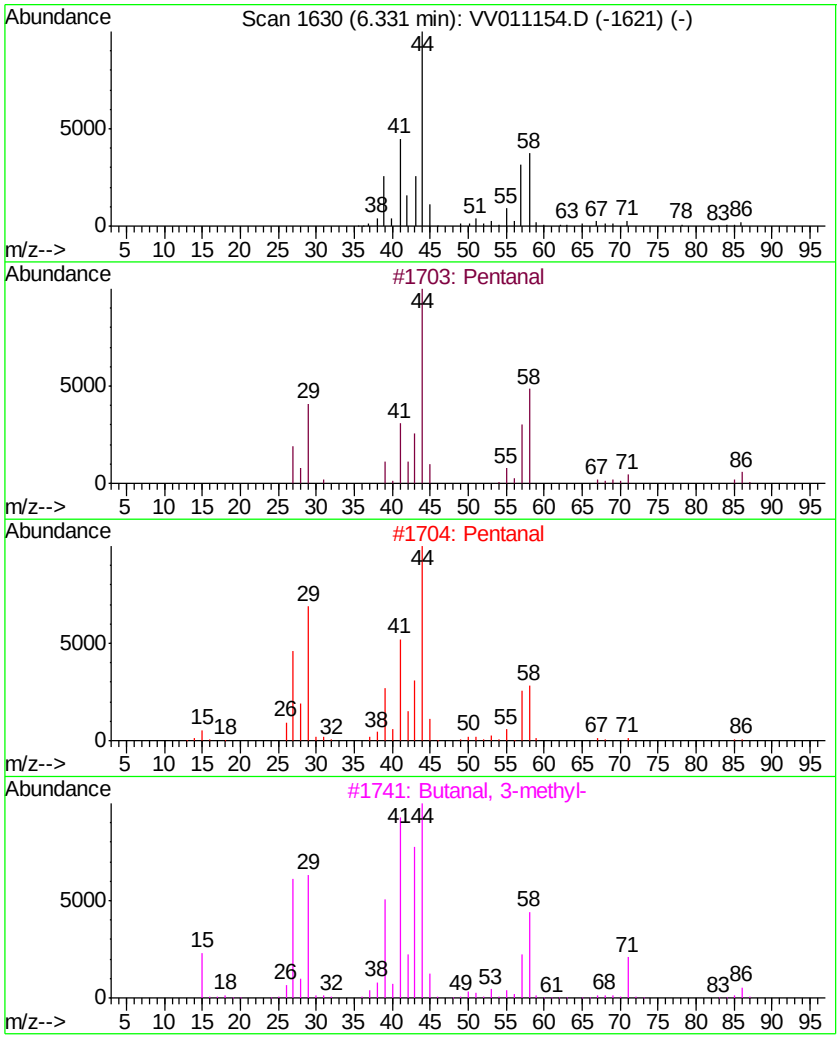
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

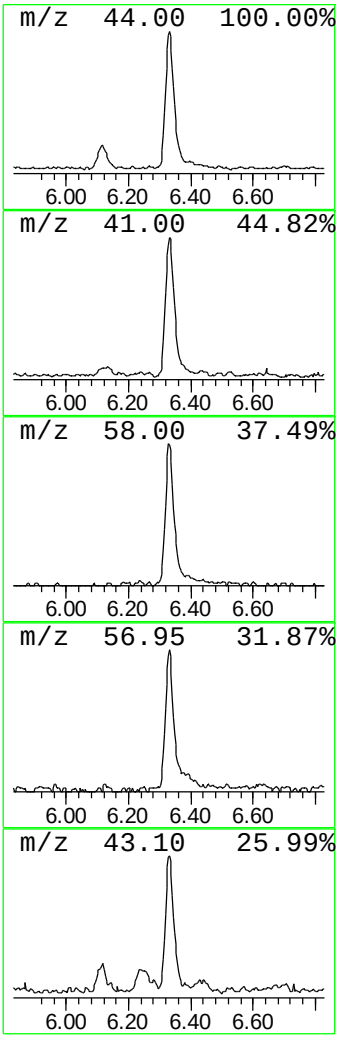
****

Peak Number 1 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	3.17 ug/L	92050	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	64
2	Pentanal	86	C5H10O	000110-62-3	64
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	50
4	1-Octadecanamine, N-methyl-	283	C19H41N	002439-55-6	40
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	39





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

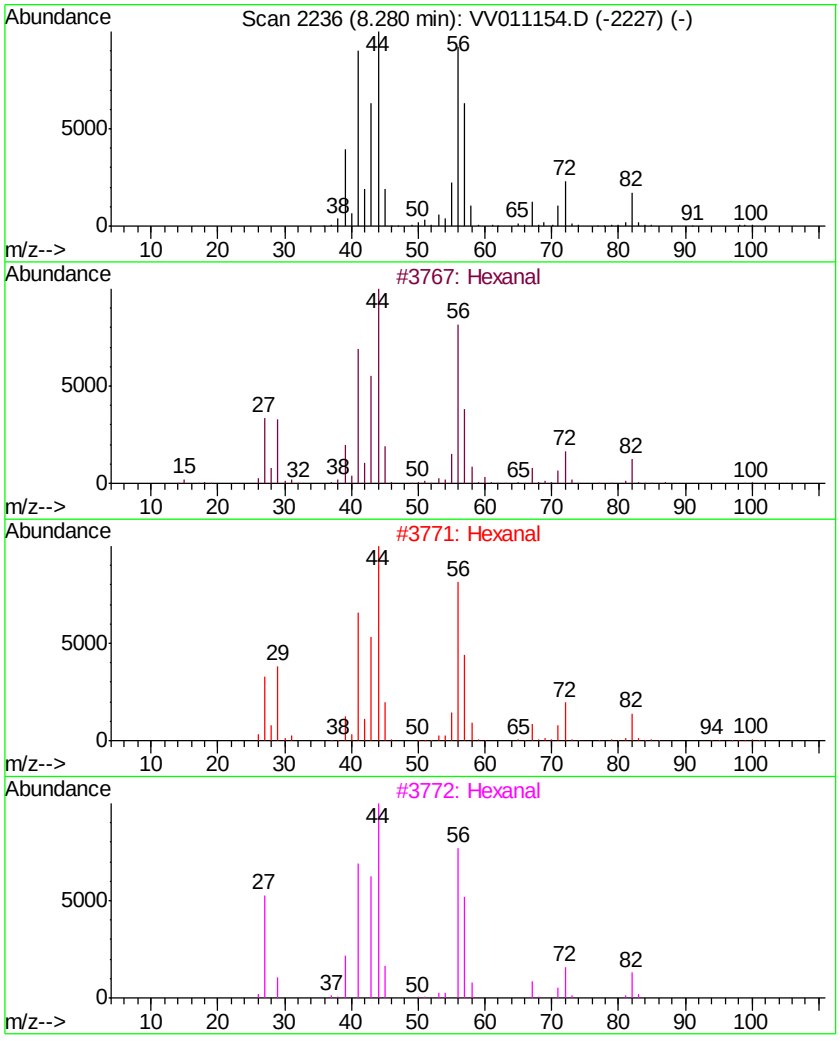
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

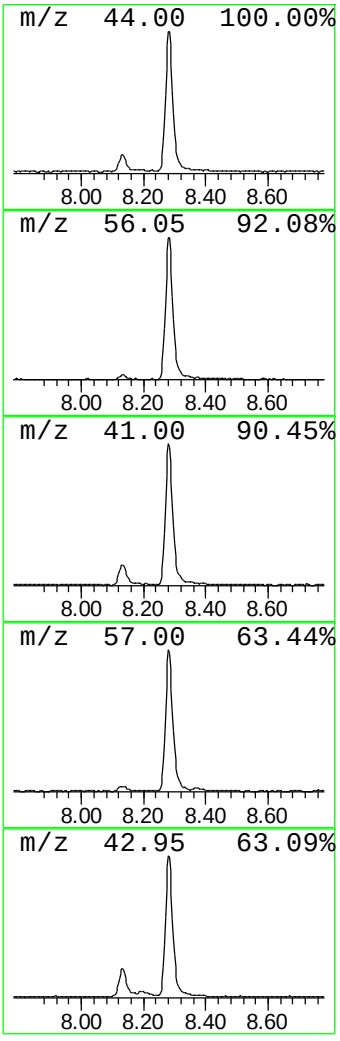
****

Peak Number 3 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	11.05 ug/L	391805	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	81
2	Hexanal	100	C6H12O	000066-25-1	72
3	Hexanal	100	C6H12O	000066-25-1	64
4	Hexanal	100	C6H12O	000066-25-1	59
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	32





Tentatively Identified Compound (LSC) summary

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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
Pentanal	6.33	3.2	ug/L	92050	1	5.66	725942	25.0
Hexanal	8.28	11.1	ug/L	391805	2	8.89	886720	25.0