LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011041.D
Acq On : 23 May 2019 21:45
Operator : SY/MD
Sample : K3016-08
Misc : 5.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C7

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\SOM2VLM052019S.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	64	70	77	rVB	32549	30610	9.89%	1.138%
2	1.386	89	92	98	rVB	6113	5614	1.81%	0.209%
3	1.518	131	133	136	rBV3	880	590	0.19%	0.022%
4	1.566	141	148	158	rVB	23014	26521	8.57%	0.986%
5	1.814	218	225	233	rVB2	1922	2649	0.86%	0.099%
6	2.049	295	298	303	rBV4	757	574	0.19%	0.021%
7	2.123	310	321	335	rBV2	54390	79390	25.65%	2.953%
8	2.187	335	341	353	rVB2	5716	8782	2.84%	0.327%
9	2.235	353	356	361	rVB3	462	407	0.13%	0.015%
10	2.309	373	379	389	rVB4	4349	6186	2.00%	0.230%
11	2.441	416	420	421	rVV	408	287	0.09%	0.011%
12	2.454	421	424	435	rVV2	1114	1762	0.57%	0.066%
13	2.531	439	448	460	rVB3	3318	5002	1.62%	0.186%
14	2.643	480	483	486	rBV3	252	228	0.07%	0.008%
15	2.939	570	575	579	rBV	283	289	0.09%	0.011%
16	2.997	590	593	596	rBV3	442	300	0.10%	0.011%
17	3.061	606	613	615	rBV4	2006	2214	0.72%	0.082%
18	3.206	652	658	665	rVB3	513	656	0.21%	0.024%
19	3.241	665	669	673	rVB2	416	386	0.12%	0.014%
20	3.753	819	828	841	rVV5	2136	4847	1.57%	0.180%
21	3.888	866	870	873	rBV2	257	248	0.08%	0.009%
22	3.936	873	885	909	rVV2	18867	48448	15.65%	1.802%
23	4.106	936	938	944	rVB2	269	215	0.07%	0.008%
24	4.190	960	964	972	rBV	275	362	0.12%	0.013%
25	4.396	1012	1028	1055	rBV	56102	133941	43.28%	4.982%
26	4.508	1059	1063	1064	rBV	489	361	0.12%	0.013%
27	4.598	1087	1091	1094	rBV2	305	277	0.09%	0.010%
28	4.672	1112	1114	1120	rVB2	300	212	0.07%	0.008%
29	4.708	1120	1125	1128	rBV3	321	293	0.09%	0.011%
30	4.878	1173	1178	1181	rBV	300	269	0.09%	0.010%
31	5.090	1225	1244	1264	rBV3	127556	309490	100.00%	11.511%
32	5.380	1332	1334	1340	rVB3	340	297	0.10%	0.011%
33	5.585	1394	1398	1402	rVB2	482	356	0.12%	0.013%
34	5.663	1408	1422	1442	rBV	108465	218377	70.56%	8.122%

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Misc : 5.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C7

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Title : VOC Analysis

35	5.946	1504	1510	1515	rBV2	719	741	0.24%	0.028%
36	6.036	1532	1538	1541	rBV2	301	338	0.11%	0.013%
37	6.071	1545	1549	1550	rBV	351	256	0.08%	0.010%
38	6.116	1550	1563	1578	rBV2	76752	153229	49.51%	5.699%
39	6.331	1621	1630	1643	rBV4	12863	23094	7.46%	0.859%
40	6.556	1696	1700	1704	rBV	241	260	0.08%	0.010%
41	6.589	1704	1710	1717	rVB2	255	394	0.13%	0.015%
42	6.701	1743	1745	1752	rVB4	486	390	0.13%	0.015%
43	7.029	1831	1847	1860	rBV2	37825	65345	21.11%	2.430%
44	7.177	1889	1893	1894	rBV2	757	407	0.13%	0.015%
45	7.357	1933	1949	1968	rBV	128643	228862	73.95%	8.512%
46	7.518	1992	1999	2002	rBV3	277	313	0.10%	0.012%
47	7.537	2002	2005	2009	rBV2	308	282	0.09%	0.010%
48	7.663	2034	2044	2057	rBV	25247	42039	13.58%	1.564%
49	7.929	2121	2127	2128	rBV2	435	371	0.12%	0.014%
50	7.981	2139	2143	2155	rVB7	2218	3274	1.06%	0.122%
51	8.132	2179	2190	2204	rBV	71607	120850	39.05%	4.495%
52	8.280	2223	2236	2258	rBV	122157	206887	66.85%	7.695%
53	8.399	2270	2273	2279	rVB3	599	501	0.16%	0.019%
54	8.582	2327	2330	2335	rVB	241	228	0.07%	0.008%
55	8.894	2415	2427	2450	rBV	176268	292448	94.49%	10.877%
56	9.084	2483	2486	2488	rBV2	279	249	0.08%	0.009%
57	9.183	2511	2517	2522	rBV4	869	968	0.31%	0.036%
58	9.261	2536	2541	2542	rBV	615	559	0.18%	0.021%
59	9.588	2639	2643	2648	rBV	781	892	0.29%	0.033%
60	9.646	2656	2661	2665	rBV2	365	489	0.16%	0.018%
61	9.730	2683	2687	2691	rBV4	429	382	0.12%	0.014%
62	9.852	2716	2725	2738	rBV5	3695	5354	1.73%	0.199%
63	10.260	2839	2852	2867	rBV	96925	151146	48.84%	5.621%
64	10.421	2893	2902	2914	rVB4	4448	7854	2.54%	0.292%
65	10.563	2945	2946	2954	rVB2	394	388	0.13%	0.014%
66	10.621	2958	2964	2974	rVB4	1173	1535	0.50%	0.057%
67	10.759	3005	3007	3014	rVB2	385	389	0.13%	0.014%
68	10.810	3016	3023	3025	rBV4	678	621	0.20%	0.023%
69	10.952	3061	3067	3070	rBV2	698	752	0.24%	0.028%
70	11.193	3135	3142	3151	rBV5	2201	3089	1.00%	0.115%
71	11.296	3161	3174	3191	rVB	148995	241304	77.97%	8.975%

LSC Area Percent Report

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Instrument : MSVOA_V
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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
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Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Title : VOC Analysis

72	11.360	3191	3194	3196	rBV	356	231	0.07%	0.009%
73	11.434	3213	3217	3221	rBV2	372	264	0.09%	0.010%
74	11.473	3226	3229	3233	rBV3	315	291	0.09%	0.011%
75	11.576	3254	3261	3275	rBV3	5011	7715	2.49%	0.287%
76	11.672	3280	3291	3305	rVV	134856	217113	70.15%	8.075%
77	11.830	3337	3340	3344	rBV3	468	268	0.09%	0.010%
78	12.055	3405	3410	3412	rBV3	1142	911	0.29%	0.034%
79	12.199	3451	3455	3461	rBV	261	304	0.10%	0.011%
80	12.296	3477	3485	3498	rVB	1953	3091	1.00%	0.115%
81	12.392	3509	3515	3521	rBV4	1930	2125	0.69%	0.079%
82	12.717	3609	3616	3626	rVB5	1914	2750	0.89%	0.102%
83	12.781	3632	3636	3641	rVB3	283	248	0.08%	0.009%
84	12.810	3641	3645	3648	rBV	260	220	0.07%	0.008%
85	12.929	3678	3682	3683	rBV2	537	361	0.12%	0.013%
86	13.109	3731	3738	3742	rBV	238	361	0.12%	0.013%
87	13.318	3800	3803	3808	rBV	298	328	0.11%	0.012%
88	13.630	3896	3900	3907	rVB2	527	489	0.16%	0.018%
89	15.109	4354	4360	4363	rBV2	287	344	0.11%	0.013%
90	15.173	4375	4380	4382	rBV2	273	277	0.09%	0.010%
91	15.309	4420	4422	4426	rVB2	269	209	0.07%	0.008%
92	15.331	4426	4429	4435	rBV2	263	280	0.09%	0.010%
93	15.646	4523	4527	4530	rBV3	212	257	0.08%	0.010%
94	16.424	4767	4769	4773	rBV3	351	242	0.08%	0.009%
95	16.881	4908	4911	4914	rBV2	388	336	0.11%	0.012%
96	16.997	4945	4947	4951	rBV3	522	385	0.12%	0.014%
97	17.154	4992	4996	4999	rBV3	609	511	0.17%	0.019%
98	17.373	5062	5064	5068	rBV3	559	348	0.11%	0.013%
99	17.415	5074	5077	5081	rBV	1922	1104	0.36%	0.041%
100	17.617	5137	5140	5144	rBV3	598	456	0.15%	0.017%

Sum of corrected areas: 2688739

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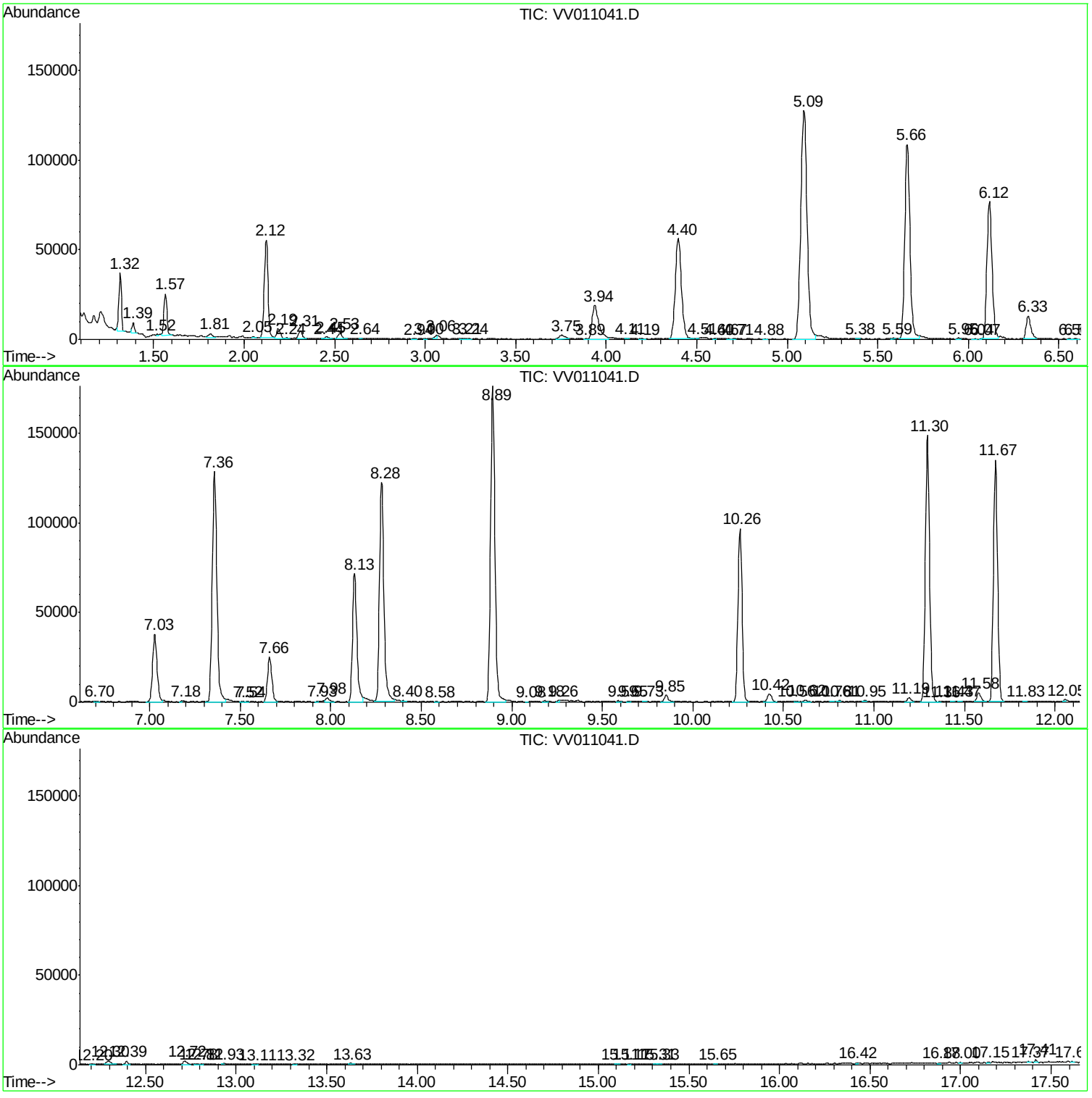
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

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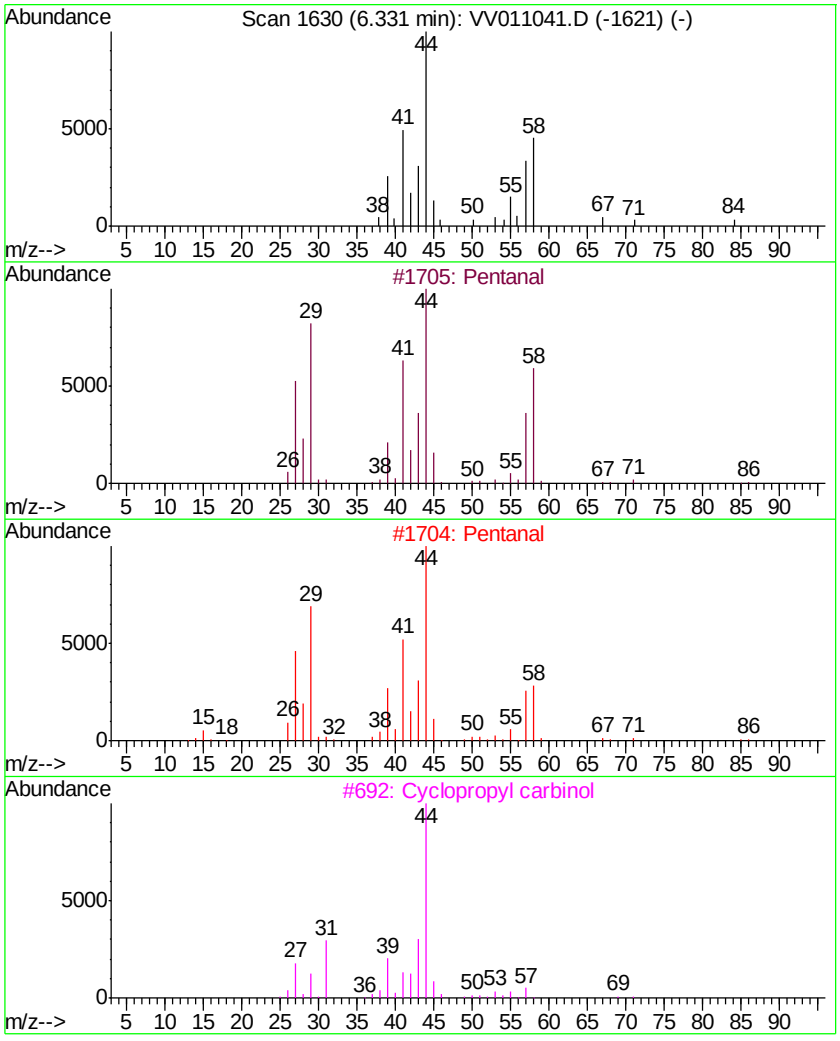
TIC Integration Parameters: LSCINT.P

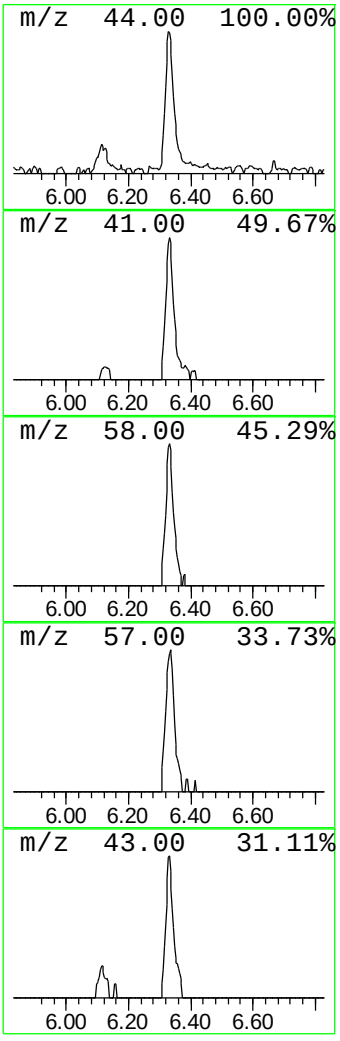
****

Peak Number 1 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	2.64 ug/L	23094	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	56
2	Pentanal	86	C5H10O	000110-62-3	56
3	Cyclopropyl carbinol	72	C4H8O	002516-33-8	50
4	Acetamide, 2-cyano-	84	C3H4N2O	000107-91-5	25
5	Alanine	89	C3H7NO2	000056-41-7	9





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
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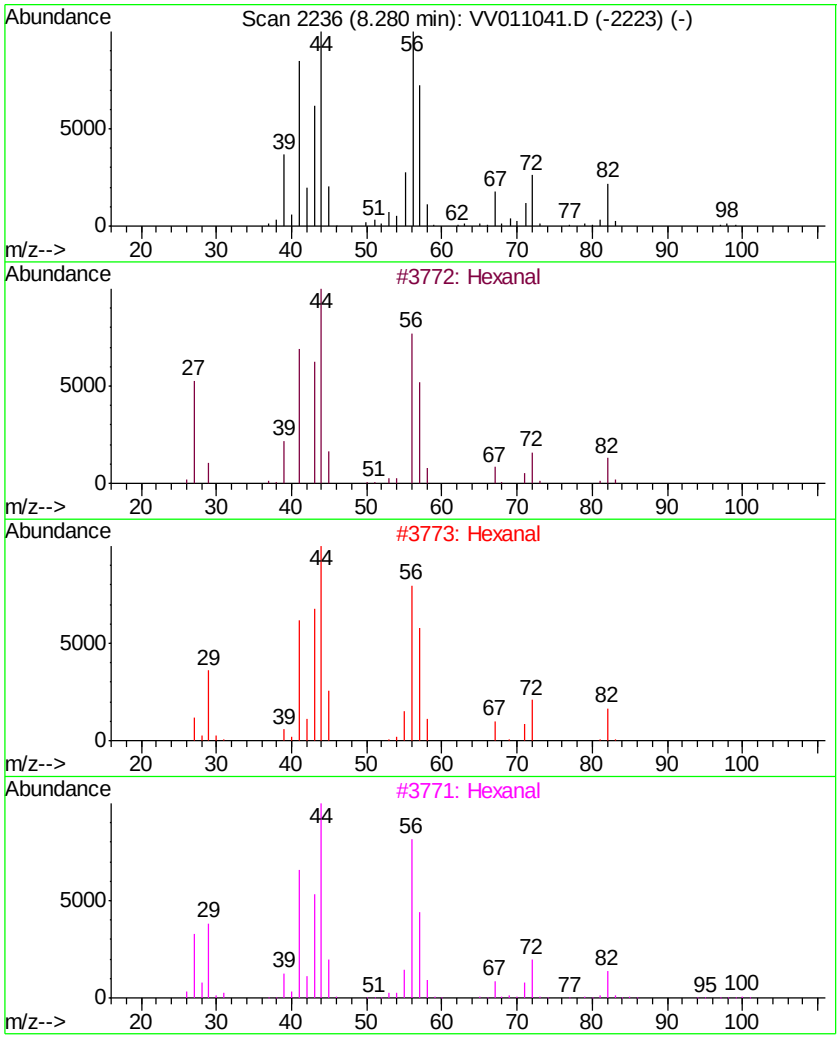
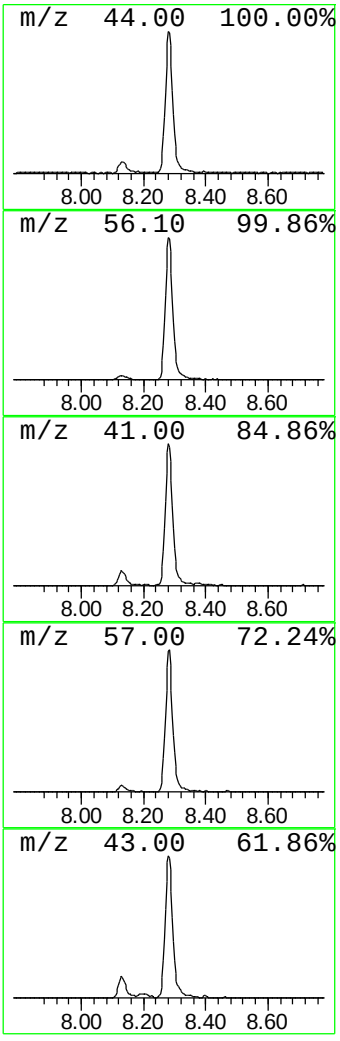
****

Peak Number 3 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	17.69 ug/L	206887	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	86
2	Hexanal	100	C6H12O	000066-25-1	83
3	Hexanal	100	C6H12O	000066-25-1	78
4	Hexanal	100	C6H12O	000066-25-1	64
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	35





Tentatively Identified Compound (LSC) summary

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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentanal	6.33	2.6	ug/L	23094	1	5.66	218377	25.0
Hexanal	8.28	17.7	ug/L	206887	2	8.89	292448	25.0