LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010918.D
Acq On : 16 May 2019 02:25
Operator : SY/MD
Sample : K2788-13
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A3

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\SOM2VLM051319S.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	1.312	63	69	78	rVB	62564	58716	8.30%	1.253%
2	1.383	87	91	102	rVB	17453	18235	2.58%	0.389%
3	1.563	140	147	159	rVB	44311	51693	7.31%	1.103%
4	1.965	268	272	274	rBV3	1596	1293	0.18%	0.028%
5	2.029	289	292	293	rBV3	832	456	0.06%	0.010%
6	2.116	308	319	331	rBV2	110343	165436	23.40%	3.531%
7	2.183	333	340	350	rVB	15279	22391	3.17%	0.478%
8	2.244	357	359	363	rVB2	818	361	0.05%	0.008%
9	2.306	372	378	379	rBV3	1712	1364	0.19%	0.029%
10	2.457	419	425	432	rVB4	2249	2972	0.42%	0.063%
11	2.527	438	447	459	rVB5	5203	8895	1.26%	0.190%
12	2.640	476	482	483	rBV3	453	410	0.06%	0.009%
13	2.987	583	590	595	rBV5	576	934	0.13%	0.020%
14	3.061	606	613	619	rVB5	801	1292	0.18%	0.028%
15	3.103	619	626	628	rBV2	244	331	0.05%	0.007%
16	3.196	651	655	656	rBV3	458	263	0.04%	0.006%
17	3.367	701	708	712	rBV	178	278	0.04%	0.006%
18	3.437	727	730	734	rBV	176	208	0.03%	0.004%
19	3.588	773	777	780	rBV2	261	187	0.03%	0.004%
20	3.614	780	785	790	rBV	330	355	0.05%	0.008%
21	3.746	816	826	840	rVV4	3068	6812	0.96%	0.145%
22	3.945	872	888	909	rBV4	30773	103229	14.60%	2.203%
23	4.392	1011	1027	1054	rBV2	85869	208381	29.47%	4.448%
24	4.556	1075	1078	1083	rBV	263	332	0.05%	0.007%
25	4.836	1162	1165	1169	rVB2	337	326	0.05%	0.007%
26	4.865	1170	1174	1180	rBV2	318	429	0.06%	0.009%
27	4.913	1185	1189	1193	rBV	217	243	0.03%	0.005%
28	5.087	1225	1243	1270	rBV2	199724	496999	70.30%	10.608%
29	5.309	1309	1312	1314	rVV	269	186	0.03%	0.004%
30	5.376	1324	1333	1337	rBV2	1256	2309	0.33%	0.049%
31	5.476	1361	1364	1367	rBV2	262	193	0.03%	0.004%
32	5.531	1377	1381	1383	rBV2	499	343	0.05%	0.007%
33	5.543	1383	1385	1388	rVV3	443	218	0.03%	0.005%
34	5.579	1392	1396	1397	rBV2	463	287	0.04%	0.006%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51A3

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Title : VOC Analysis

35	5.659	1406	1421	1444	rBV	156316	316039	44.70%	6.746%
36	5.955	1495	1513	1543	rBV	363270	707013	100.00%	15.091%
37	6.112	1550	1562	1579	rBV2	117582	236055	33.39%	5.038%
38	6.235	1596	1600	1605	rBV2	366	326	0.05%	0.007%
39	6.280	1612	1614	1618	rVB	373	185	0.03%	0.004%
40	6.328	1618	1629	1649	rBV2	11921	24056	3.40%	0.513%
41	6.640	1723	1726	1728	rBV2	286	185	0.03%	0.004%
42	6.685	1737	1740	1742	rBV3	434	315	0.04%	0.007%
43	6.968	1823	1828	1830	rBV2	181	193	0.03%	0.004%
44	7.026	1835	1846	1864	rVV2	59143	104659	14.80%	2.234%
45	7.154	1881	1886	1888	rBV2	453	342	0.05%	0.007%
46	7.183	1889	1895	1896	rBV3	633	624	0.09%	0.013%
47	7.273	1916	1923	1926	rVB4	514	495	0.07%	0.011%
48	7.357	1936	1949	1988	rBV	209798	379160	53.63%	8.093%
49	7.563	2010	2013	2019	rVB2	267	226	0.03%	0.005%
50	7.662	2034	2044	2060	rBV2	40483	66400	9.39%	1.417%
51	7.891	2112	2115	2119	rBV2	311	340	0.05%	0.007%
52	7.977	2137	2142	2146	rVV5	2609	3222	0.46%	0.069%
53	8.016	2148	2154	2165	rVB3	9458	14600	2.07%	0.312%
54	8.132	2178	2190	2222	rBV	86478	158210	22.38%	3.377%
55	8.280	2225	2236	2263	rVV	111701	185224	26.20%	3.954%
56	8.402	2272	2274	2277	rVB3	490	221	0.03%	0.005%
57	8.415	2277	2278	2285	rVB4	694	416	0.06%	0.009%
58	8.614	2334	2340	2343	rBV2	189	224	0.03%	0.005%
59	8.701	2365	2367	2371	rVB2	373	199	0.03%	0.004%
60	8.727	2371	2375	2380	rBV	287	332	0.05%	0.007%
61	8.826	2403	2406	2408	rBV	288	189	0.03%	0.004%
62	8.894	2414	2427	2454	rBV	244832	410731	58.09%	8.767%
63	9.116	2487	2496	2500	rBV2	349	457	0.06%	0.010%
64	9.180	2510	2516	2522	rBV2	726	896	0.13%	0.019%
65	9.264	2539	2542	2543	rBV2	624	413	0.06%	0.009%
66	9.273	2543	2545	2548	rVV3	329	242	0.03%	0.005%
67	9.363	2564	2573	2579	rBV3	587	873	0.12%	0.019%
68	9.591	2636	2644	2648	rBV3	594	809	0.11%	0.017%
69	9.762	2694	2697	2700	rBV2	282	201	0.03%	0.004%
70	9.852	2716	2725	2736	rBV5	11410	19237	2.72%	0.411%
71	10.260	2840	2852	2865	rBV	123441	193599	27.38%	4.132%

LSC Area Percent Report

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Instrument : MSVOA_V
ClientSampleId : A51A3

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Title : VOC Analysis

72	10.424	2893	2903	2911	rBV4	5630	9130	1.29%	0.195%
73	10.559	2941	2945	2950	rBV4	504	553	0.08%	0.012%
74	10.585	2950	2953	2958	rVV2	329	231	0.03%	0.005%
75	10.624	2958	2965	2972	rVV4	1374	2020	0.29%	0.043%
76	10.765	3003	3009	3015	rVB2	551	725	0.10%	0.015%
77	10.804	3018	3021	3023	rBV	602	403	0.06%	0.009%
78	11.196	3134	3143	3154	rVB4	6394	9825	1.39%	0.210%
79	11.296	3162	3174	3191	rVV	203727	326432	46.17%	6.968%
80	11.575	3254	3261	3276	rVB2	5795	9459	1.34%	0.202%
81	11.672	3276	3291	3308	rBV	199418	316830	44.81%	6.763%
82	11.829	3339	3340	3345	rBV2	342	206	0.03%	0.004%
83	12.058	3404	3411	3418	rVV4	1960	2564	0.36%	0.055%
84	12.296	3476	3485	3497	rVB4	2550	4610	0.65%	0.098%
85	12.392	3507	3515	3525	rBV4	4815	6936	0.98%	0.148%
86	12.476	3538	3541	3544	rBV	236	196	0.03%	0.004%
87	12.517	3548	3554	3561	rVV4	1031	1397	0.20%	0.030%
88	12.720	3611	3617	3626	rVB4	1860	2628	0.37%	0.056%
89	12.932	3677	3683	3686	rVB4	724	701	0.10%	0.015%
90	13.186	3758	3762	3764	rBV	598	318	0.04%	0.007%
91	13.202	3764	3767	3773	rVV2	282	221	0.03%	0.005%
92	13.488	3852	3856	3858	rVB3	513	368	0.05%	0.008%
93	13.559	3874	3878	3883	rVB2	348	351	0.05%	0.007%
94	13.627	3894	3899	3901	rBV2	1028	788	0.11%	0.017%
95	14.093	4033	4044	4054	rBV3	1652	2947	0.42%	0.063%
96	14.225	4083	4085	4090	rVB2	467	276	0.04%	0.006%
97	14.302	4106	4109	4113	rVB	475	325	0.05%	0.007%
98	15.688	4536	4540	4545	rVB3	547	594	0.08%	0.013%
99	16.575	4814	4816	4818	rBV2	411	236	0.03%	0.005%
100	16.967	4935	4938	4940	rBV3	645	493	0.07%	0.011%

Sum of corrected areas: 4685028

LSC Report - Integrated Chromatogram

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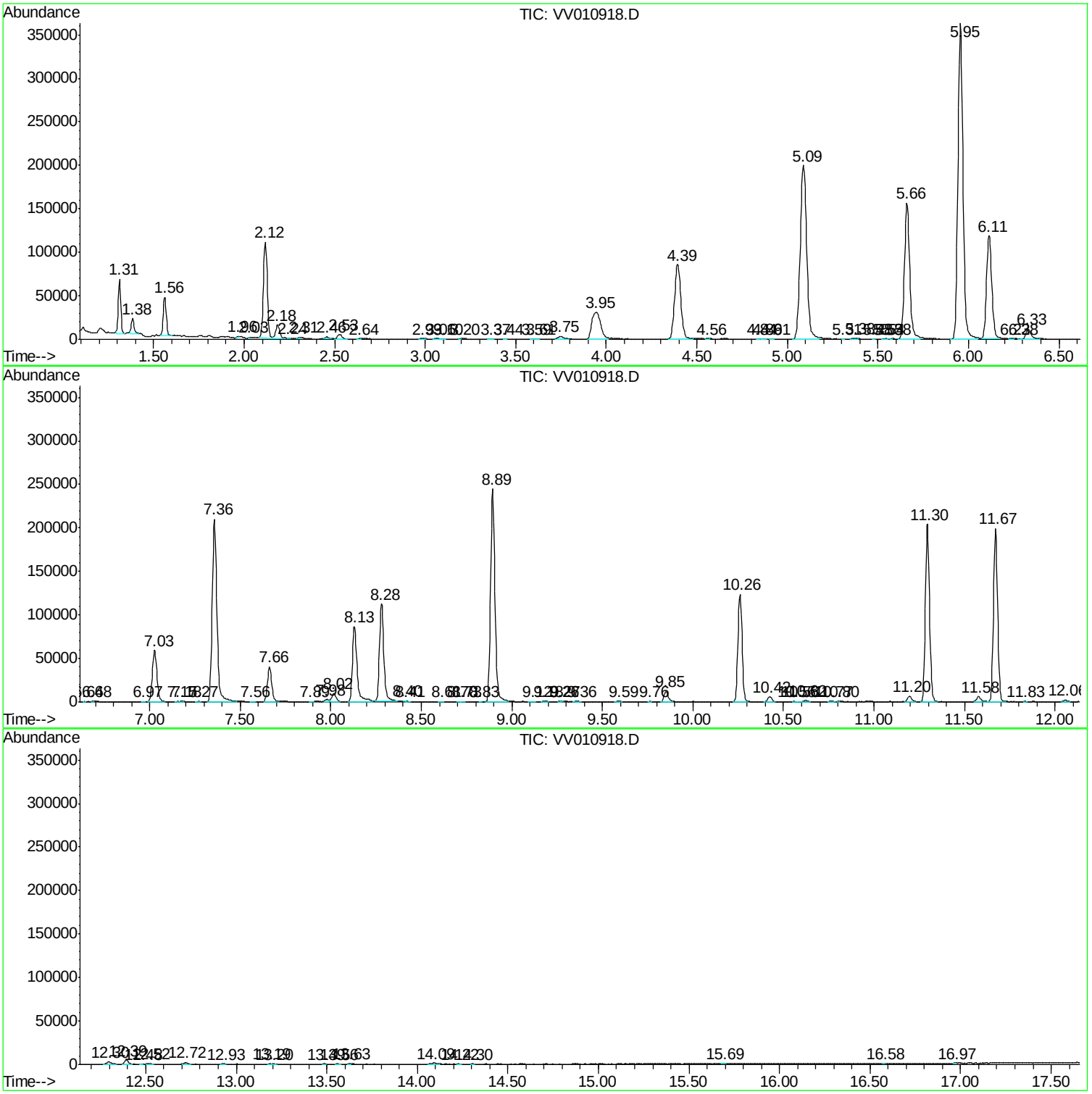
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.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\VV051419\
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ClientSampleId : A51A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

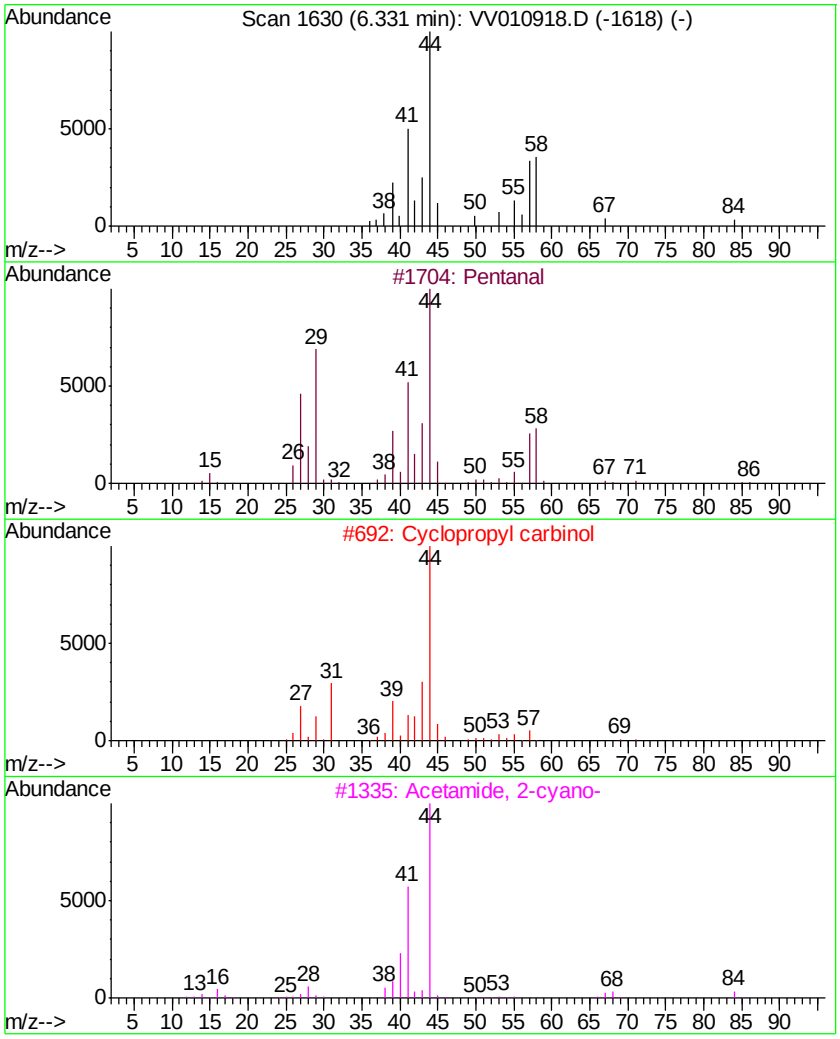
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

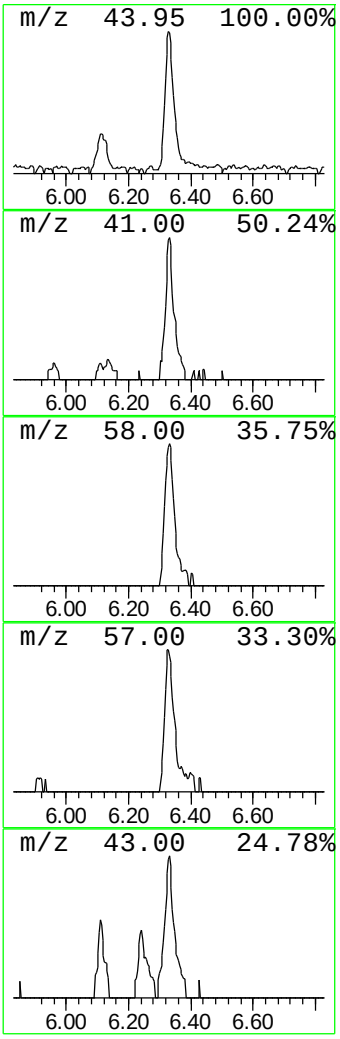
****

Peak Number 2 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	1.90 ug/L	24056	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	56
2	Cyclopropyl carbinol	72	C4H8O	002516-33-8	42
3	Acetamide, 2-cyano-	84	C3H4N2O	000107-91-5	28
4	Cyclopropyl carbinol	72	C4H8O	002516-33-8	9
5	Propanenitrile, 3-(methylamino)-	84	C4H8N2	000693-05-0	7





Library Search Compound Report

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

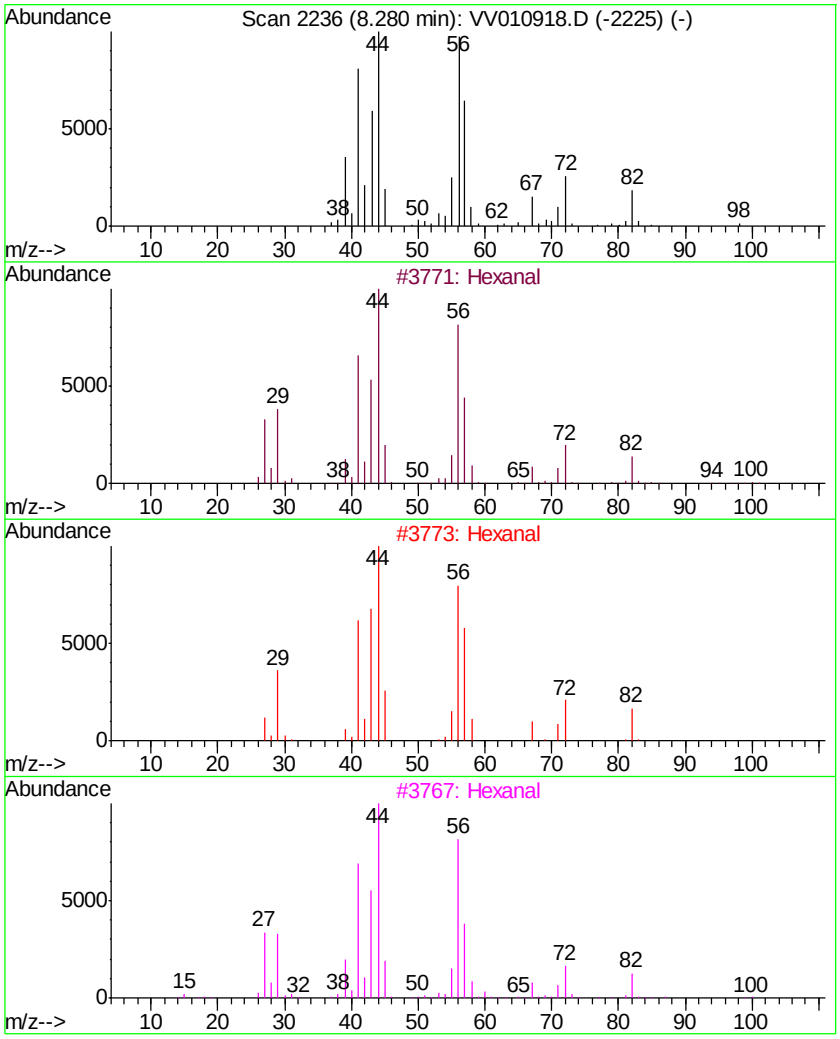
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

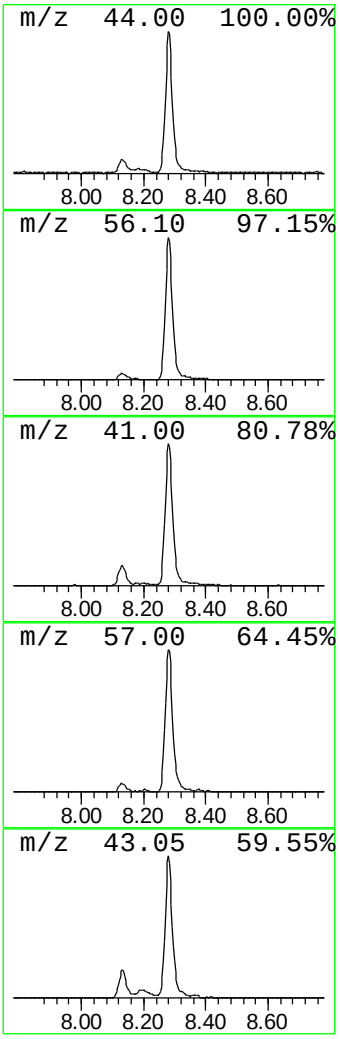
****

Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	11.27 ug/L	185224	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	83
3	Hexanal	100	C6H12O	000066-25-1	83
4	Hexanal	100	C6H12O	000066-25-1	72
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	38





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	1.9	ug/L	24056	1	5.66	316039	25.0
Hexanal	8.28	11.3	ug/L	185224	2	8.89	410731	25.0