LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011153.D
Acq On : 30 May 2019 23:21
Operator : SY/MD
Sample : K3083-05
Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F8

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	2.910	564	566	570	rBV3	946	659	0.15%	0.021%
2	3.113	626	629	632	rBV4	1013	642	0.15%	0.020%
3	3.180	648	650	653	rBV4	1114	632	0.15%	0.020%
4	3.315	689	692	694	rBV3	905	587	0.14%	0.019%
5	3.360	704	706	708	rBV2	832	498	0.11%	0.016%
6	3.467	734	739	740	rBV3	911	717	0.17%	0.023%
7	3.505	749	751	754	rBV4	1154	715	0.16%	0.023%
8	3.614	784	785	787	rBV2	1208	526	0.12%	0.017%
9	3.666	798	801	804	rBV5	1430	962	0.22%	0.031%
10	3.692	804	809	813	rBV6	1150	1229	0.28%	0.039%
11	3.753	819	828	837	rBV6	8260	16821	3.88%	0.536%
12	3.840	851	855	856	rBV3	925	667	0.15%	0.021%
13	3.891	868	871	874	rBV3	1519	1269	0.29%	0.040%
14	3.936	878	885	886	rBV4	16689	15747	3.63%	0.501%
15	4.399	1015	1029	1047	rVV	70996	172525	39.80%	5.494%
16	4.656	1107	1109	1113	rVB4	2574	1594	0.37%	0.051%
17	4.772	1143	1145	1148	rVB4	1024	561	0.13%	0.018%
18	4.840	1164	1166	1170	rVB3	1148	695	0.16%	0.022%
19	4.875	1175	1177	1179	rBV3	673	476	0.11%	0.015%
20	4.913	1184	1189	1191	rBV4	639	563	0.13%	0.018%
21	4.981	1206	1210	1211	rBV4	1088	771	0.18%	0.025%
22	5.093	1229	1245	1263	rBV3	173909	433489	100.00%	13.803%
23	5.290	1304	1306	1308	rBV2	1351	668	0.15%	0.021%
24	5.373	1322	1332	1343	rBV9	5709	12026	2.77%	0.383%
25	5.663	1410	1422	1448	rBV	142819	292042	67.37%	9.299%
26	5.958	1503	1514	1527	rBV2	86974	168775	38.93%	5.374%
27	6.116	1552	1563	1583	rBV2	96943	196137	45.25%	6.245%
28	6.331	1620	1630	1641	rBV3	33316	64117	14.79%	2.042%
29	6.550	1696	1698	1702	rVV4	785	509	0.12%	0.016%
30	6.598	1711	1713	1716	rBV4	909	587	0.14%	0.019%
31	6.663	1731	1733	1735	rBV3	805	459	0.11%	0.015%
32	6.759	1761	1763	1765	rBV3	780	487	0.11%	0.016%
33	6.810	1777	1779	1783	rVB4	1320	837	0.19%	0.027%
34	6.910	1807	1810	1814	rBV4	964	826	0.19%	0.026%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011153.D
Acq On : 30 May 2019 23:21
Operator : SY/MD
Sample : K3083-05
Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F8

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	1819	rVB4	884	500	0.12%	0.016%
36	6.971	1822	1829	1830	rBV7	1034	772	0.18%	0.025%
37	7.029	1830	1847	1862	rBV	54469	104386	24.08%	3.324%
38	7.248	1913	1915	1919	rBV4	1221	729	0.17%	0.023%
39	7.360	1938	1950	1965	rBV	189508	334730	77.22%	10.658%
40	7.515	1995	1998	2001	rBV4	1708	1258	0.29%	0.040%
41	7.547	2002	2008	2010	rBV7	1193	1110	0.26%	0.035%
42	7.595	2019	2023	2025	rBV5	864	701	0.16%	0.022%
43	7.611	2025	2028	2030	rBV5	883	571	0.13%	0.018%
44	7.663	2034	2044	2055	rBV2	33325	59058	13.62%	1.881%
45	7.897	2115	2117	2120	rBV3	1023	752	0.17%	0.024%
46	8.077	2171	2173	2175	rVB2	1203	524	0.12%	0.017%
47	8.132	2179	2190	2205	rBV	61883	121043	27.92%	3.854%
48	8.283	2227	2237	2263	rBV	152623	273749	63.15%	8.717%
49	8.511	2305	2308	2309	rBV3	833	527	0.12%	0.017%
50	8.537	2314	2316	2318	rVV3	1426	586	0.14%	0.019%
51	8.576	2327	2328	2331	rBV3	930	547	0.13%	0.017%
52	8.685	2360	2362	2366	rVB4	1115	696	0.16%	0.022%
53	8.707	2366	2369	2374	rBV4	811	782	0.18%	0.025%
54	8.740	2377	2379	2383	rVB5	870	533	0.12%	0.017%
55	8.794	2393	2396	2398	rBV3	688	433	0.10%	0.014%
56	8.894	2415	2427	2449	rBV	188620	334844	77.24%	10.662%
57	9.039	2468	2472	2473	rBV4	897	569	0.13%	0.018%
58	9.052	2473	2476	2481	rVV7	1690	1916	0.44%	0.061%
59	9.087	2485	2487	2490	rBV3	1087	758	0.17%	0.024%
60	9.177	2505	2515	2525	rBV7	5914	11810	2.72%	0.376%
61	9.505	2614	2617	2618	rBV3	1033	627	0.14%	0.020%
62	9.527	2621	2624	2627	rBV4	2407	2261	0.52%	0.072%
63	9.659	2661	2665	2666	rBV2	1499	999	0.23%	0.032%
64	9.701	2676	2678	2681	rBV5	1076	533	0.12%	0.017%
65	9.855	2720	2726	2735	rBV10	7098	11145	2.57%	0.355%
66	10.032	2779	2781	2786	rBV4	933	716	0.17%	0.023%
67	10.135	2810	2813	2816	rBV4	896	823	0.19%	0.026%
68	10.421	2894	2902	2903	rBV7	5605	5236	1.21%	0.167%
69	10.498	2923	2926	2929	rVB5	880	508	0.12%	0.016%
70	10.518	2929	2932	2934	rBV3	964	527	0.12%	0.017%
71	10.556	2938	2944	2949	rBV8	2399	3399	0.78%	0.108%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011153.D
Acq On : 30 May 2019 23:21
Operator : SY/MD
Sample : K3083-05
Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F8

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

72	10.733	2993	2999	3000	rBV4	1149	788	0.18%	0.025%
73	10.801	3017	3020	3021	rBV3	1696	1090	0.25%	0.035%
74	11.068	3101	3103	3104	rBV2	1024	449	0.10%	0.014%
75	11.203	3133	3145	3150	rBV2	7795	15458	3.57%	0.492%
76	11.296	3163	3174	3193	rVB	121826	213302	49.21%	6.792%
77	11.553	3250	3254	3257	rBV5	637	560	0.13%	0.018%
78	11.672	3280	3291	3304	rBV	112943	192337	44.37%	6.124%
79	12.010	3392	3396	3399	rBV3	1414	1101	0.25%	0.035%
80	12.058	3405	3411	3417	rBV9	4152	6056	1.40%	0.193%
81	12.219	3457	3461	3464	rBV5	1015	925	0.21%	0.029%
82	12.296	3477	3485	3497	rVB2	5148	10488	2.42%	0.334%
83	12.392	3507	3515	3524	rBV2	6973	12120	2.80%	0.386%
84	12.492	3544	3546	3549	rBV4	1009	704	0.16%	0.022%
85	12.646	3592	3594	3600	rVB6	991	676	0.16%	0.022%
86	12.675	3601	3603	3607	rVB3	1227	550	0.13%	0.018%
87	12.717	3607	3616	3623	rBV10	2548	4257	0.98%	0.136%
88	12.778	3631	3635	3636	rBV5	1408	866	0.20%	0.028%
89	13.019	3708	3710	3714	rBV3	915	621	0.14%	0.020%
90	13.170	3754	3757	3759	rBV4	1503	932	0.21%	0.030%
91	13.283	3789	3792	3794	rBV3	1184	632	0.15%	0.020%
92	13.389	3823	3825	3827	rVB2	1188	622	0.14%	0.020%
93	13.408	3827	3831	3833	rBV4	1149	795	0.18%	0.025%
94	13.688	3916	3918	3920	rBV3	909	527	0.12%	0.017%
95	14.527	4177	4179	4181	rBV3	1010	481	0.11%	0.015%
96	14.543	4181	4184	4188	rVB4	1365	870	0.20%	0.028%
97	14.566	4188	4191	4194	rBV5	1298	950	0.22%	0.030%
98	14.637	4210	4213	4215	rBV3	1249	923	0.21%	0.029%
99	14.810	4265	4267	4270	rBV3	757	488	0.11%	0.016%
100	15.106	4356	4359	4360	rBV3	989	471	0.11%	0.015%

Sum of corrected areas: 3140512

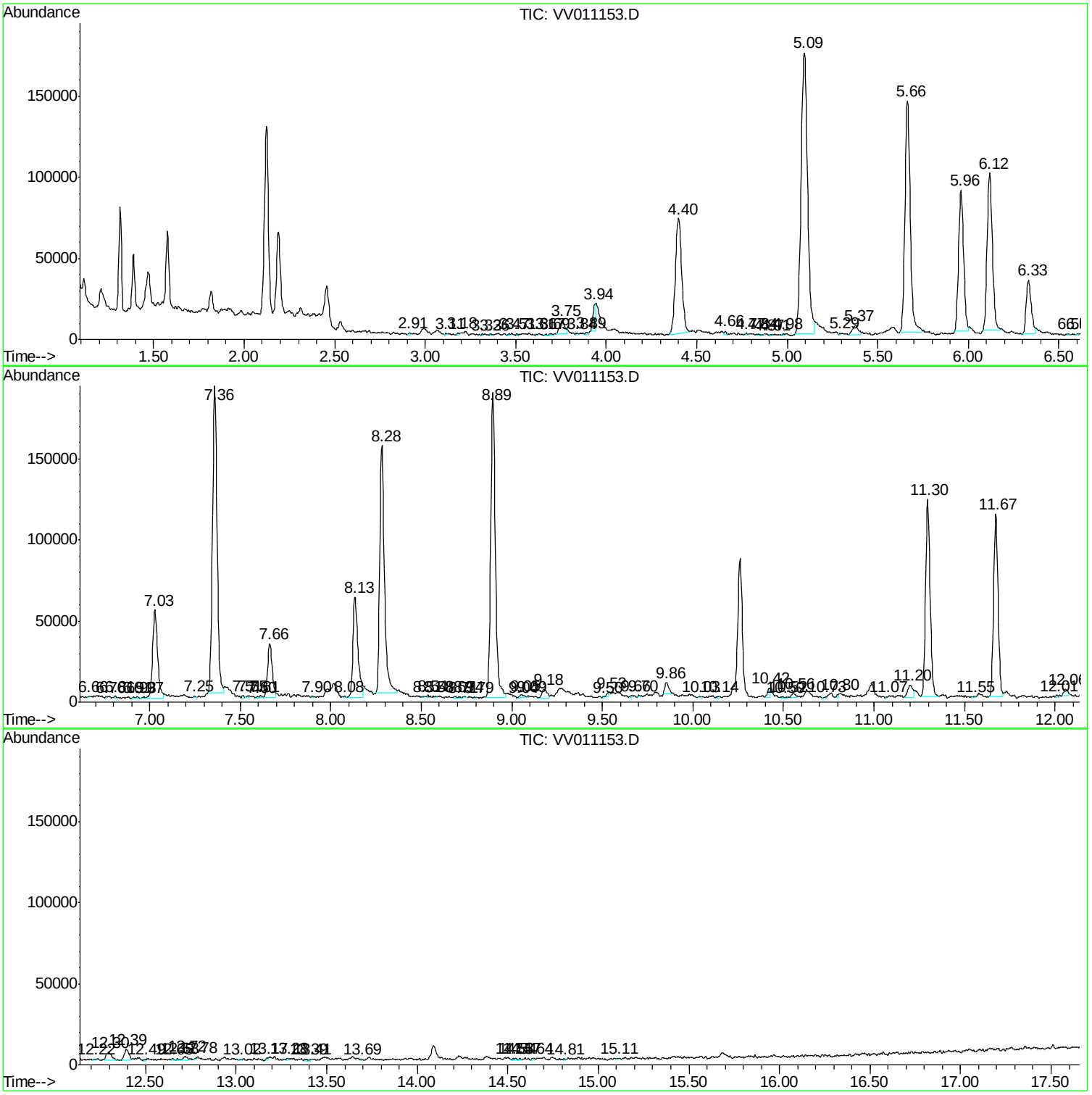
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011153.D
Acq On : 30 May 2019 23:21
Operator : SY/MD
Sample : K3083-05
Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F8

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 : VV011153.D
Acq On : 30 May 2019 23:21
Operator : SY/MD
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F8

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

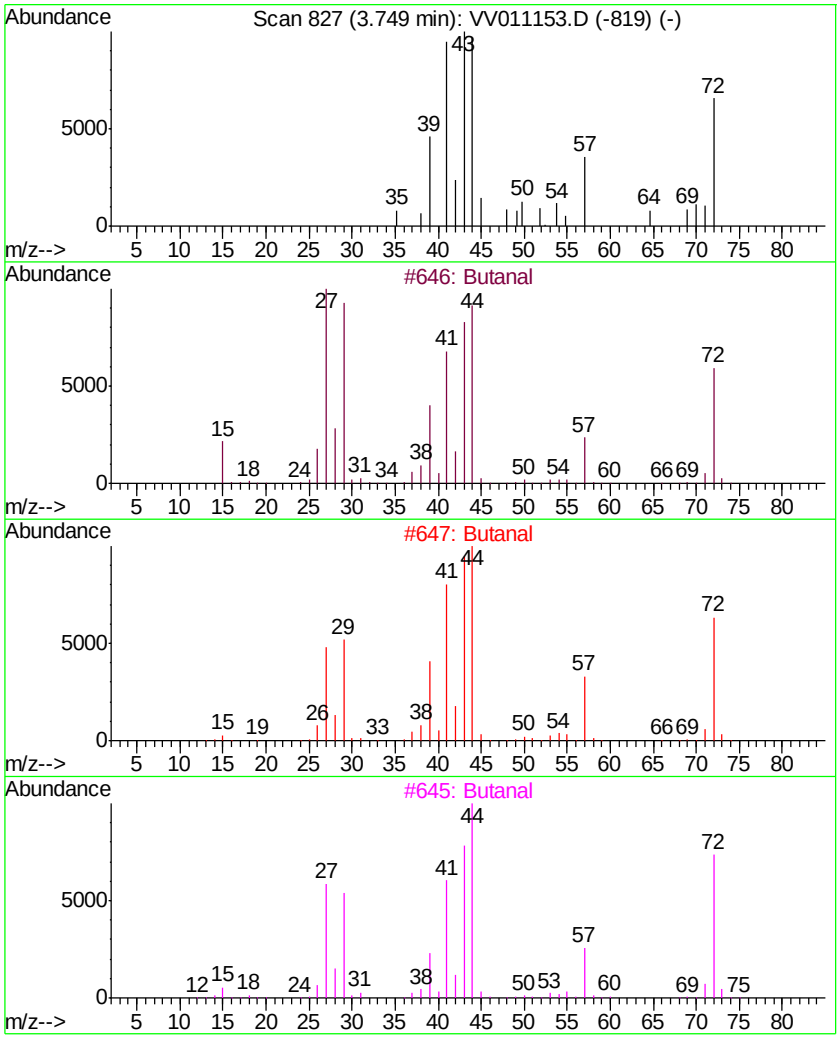
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

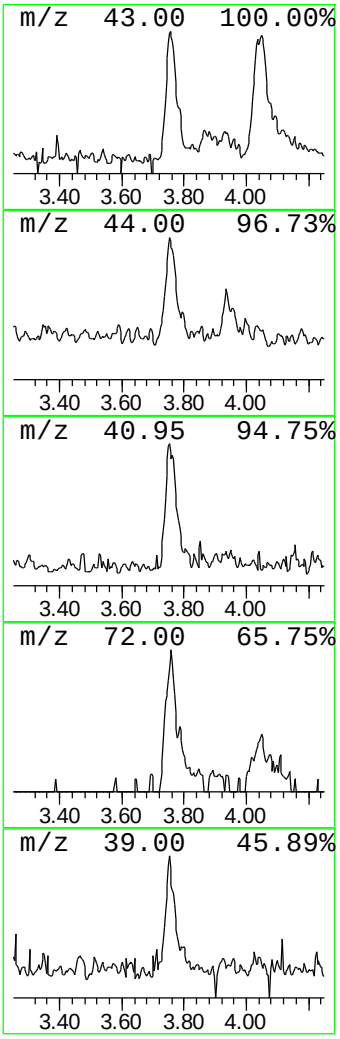
****

Peak Number 1 Butanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	1.44 ug/L	16821	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	72
2	Butanal	72	C4H8O	000123-72-8	64
3	Butanal	72	C4H8O	000123-72-8	49
4	N-Formyl-dl-alanine	117	C4H7NO3	005893-10-7	33
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011153.D
Acq On : 30 May 2019 23:21
Operator : SY/MD
Sample : K3083-05
Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F8

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

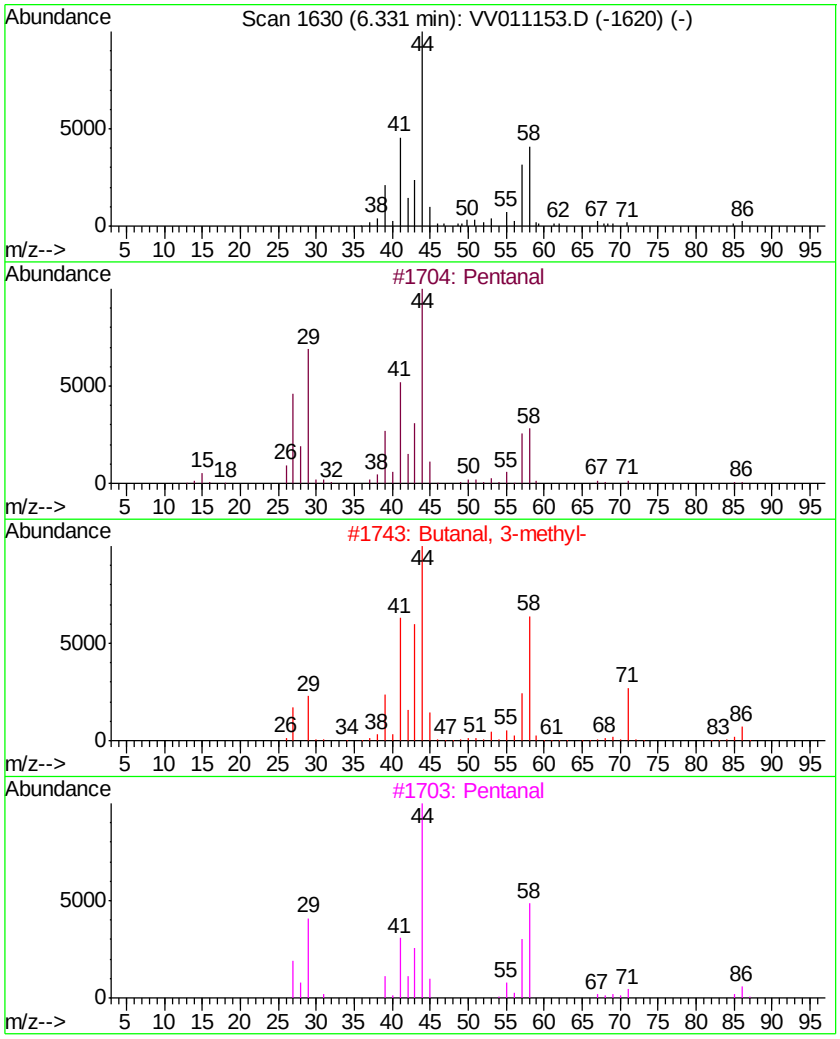
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

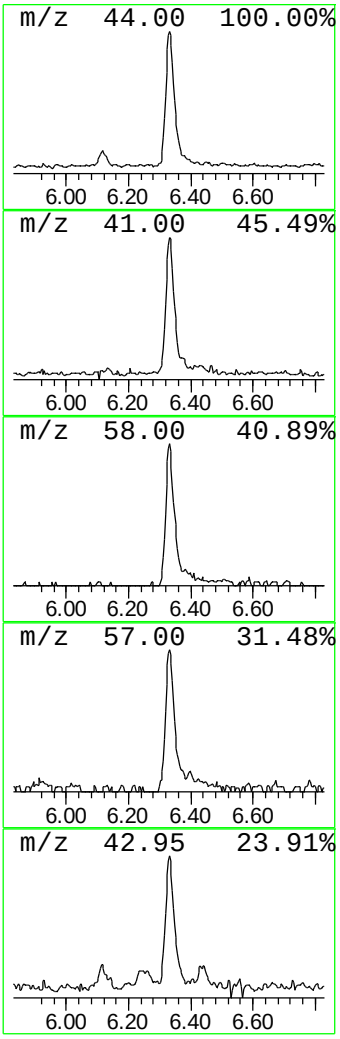
****

Peak Number 2 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	5.49 ug/L	64117	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	78
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
3	Pentanal	86	C5H10O	000110-62-3	64
4	Cyclopropyl carbinol	72	C4H8O	002516-33-8	50
5	1-Octadecanamine, N-methyl-	283	C19H41N	002439-55-6	39





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011153.D
Acq On : 30 May 2019 23:21
Operator : SY/MD
Sample : K3083-05
Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F8

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

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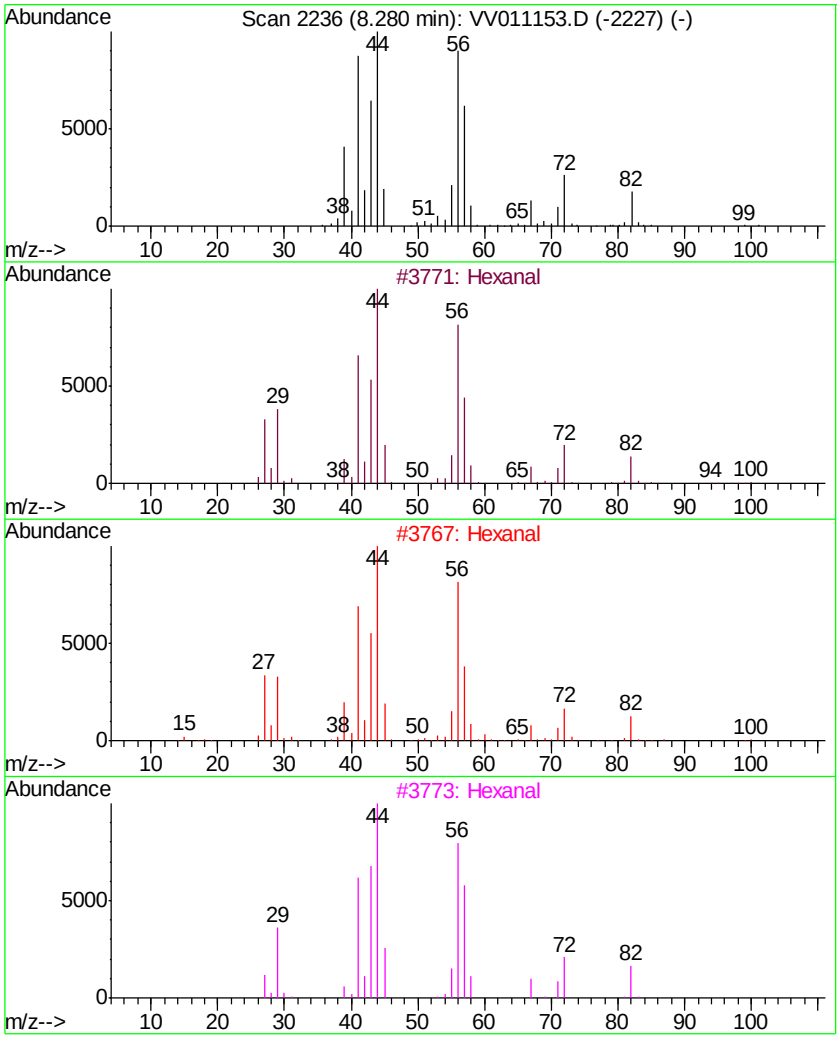
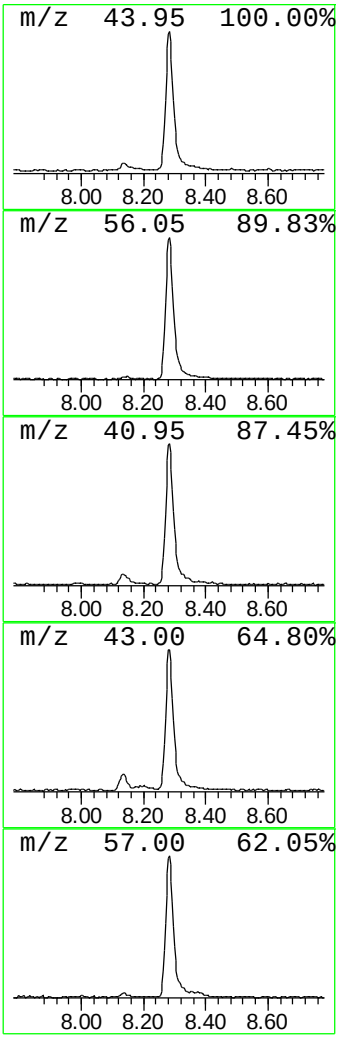
Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	20.44 ug/L	273749	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	80
2	Hexanal	100	C6H12O	000066-25-1	74
3	Hexanal	100	C6H12O	000066-25-1	72
4	Hexanal	100	C6H12O	000066-25-1	64
5	2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011153.D
Acq On : 30 May 2019 23:21
Operator : SY/MD
Sample : K3083-05
Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F8

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

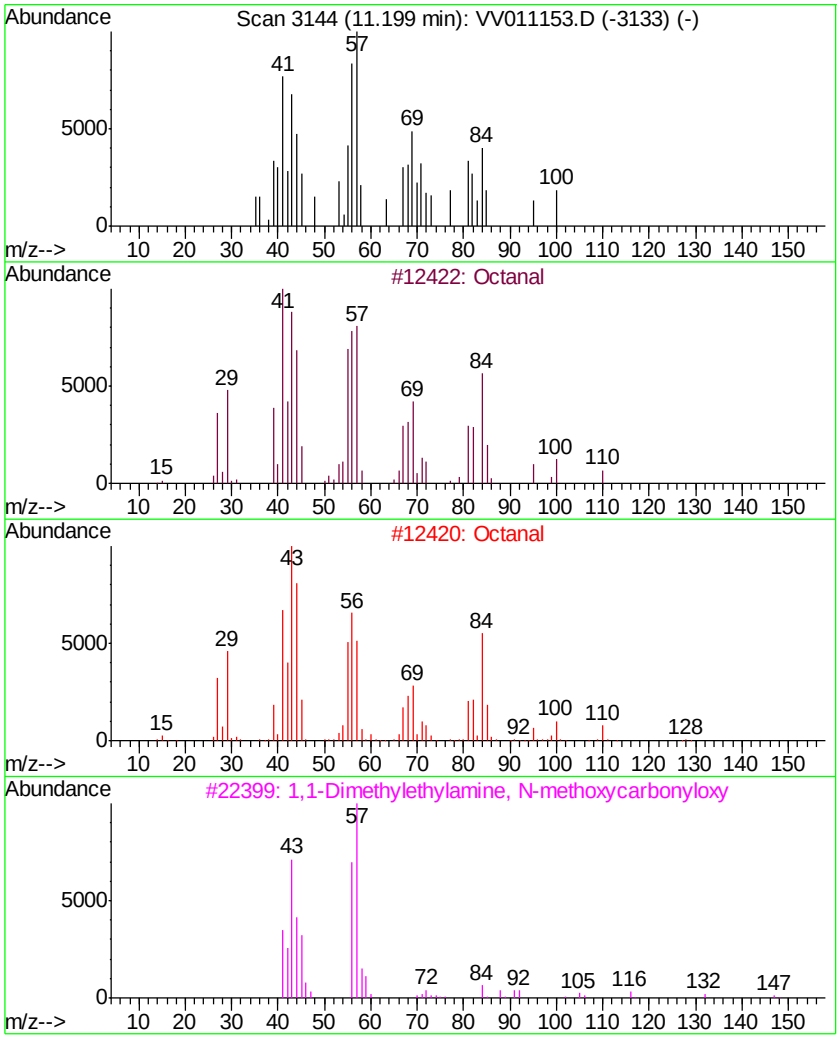
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

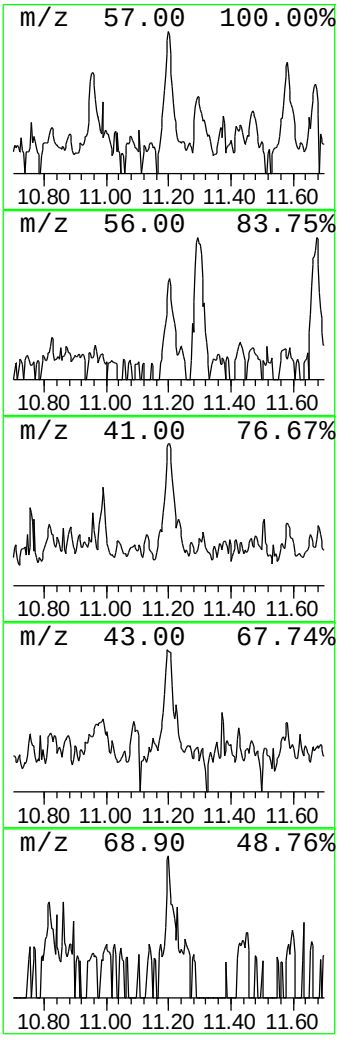
****

Peak Number 5 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	1.81 ug/L	15458	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	59
2	Octanal	128	C8H16O	000124-13-0	38
3	1,1-Dimethylethylamine, N-methox...	147	C6H13NO3	1000284-26-1	38
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	38
5	Cyclopentanol, 2-methyl-	100	C6H12O	024070-77-7	38





Library Search Compound Report

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Data File : VV011153.D
Acq On : 30 May 2019 23:21
Operator : SY/MD
Sample : K3083-05
Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F8

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

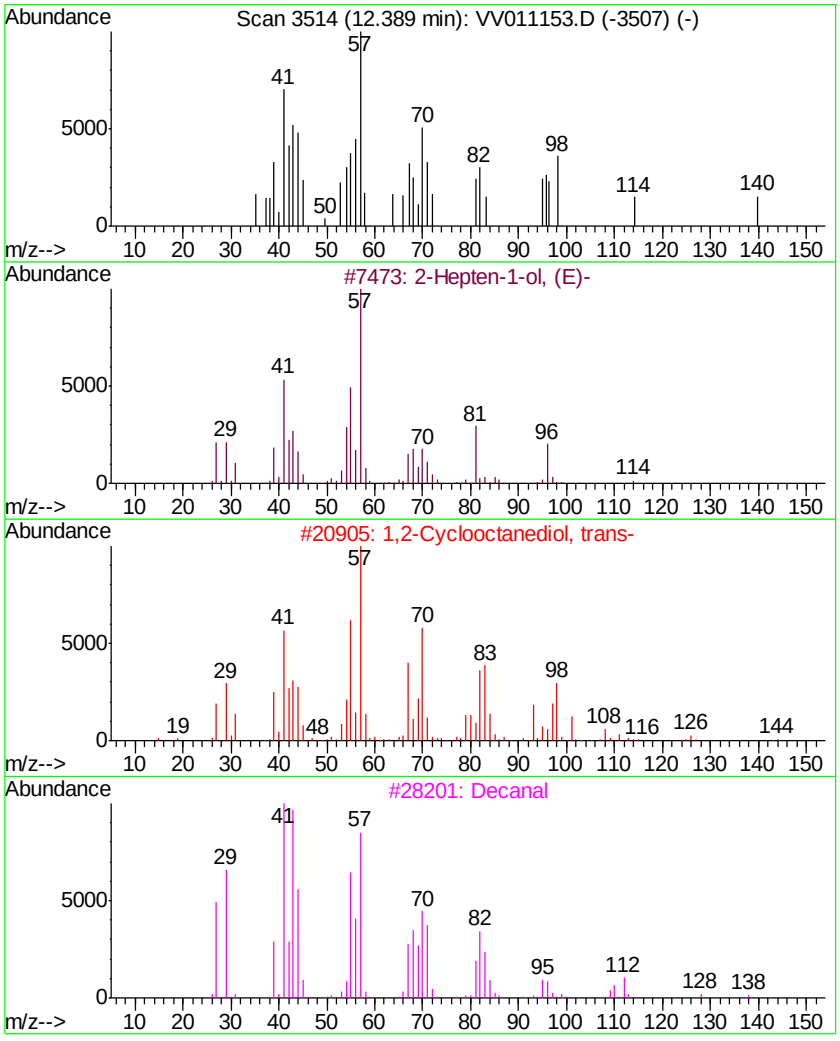
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

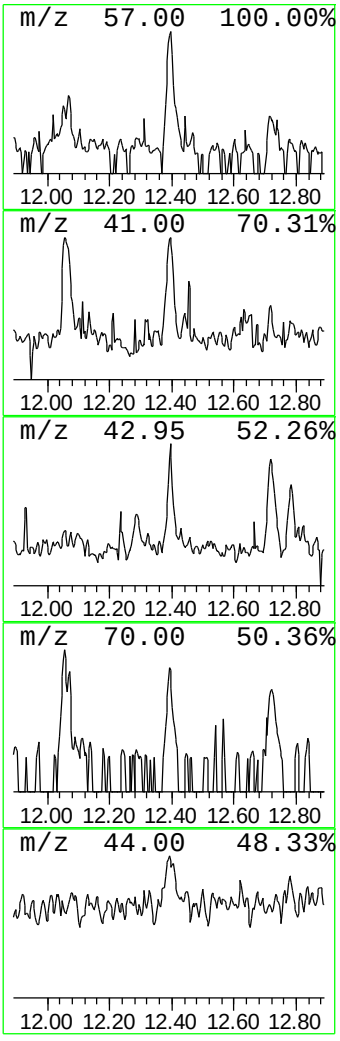
****

Peak Number 6 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	1.42 ug/L	12120	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hepten-1-ol, (E)-	114	C7H14O	033467-76-4	32
2	1,2-Cyclooctanediol, trans-	144	C8H16O2	042565-22-0	32
3	Decanal	156	C10H20O	000112-31-2	22
4	Cyclohexanol, 2-methyl-	114	C7H14O	000583-59-5	22
5	Cyclohexanol, 2-methyl-, cis-	114	C7H14O	007443-70-1	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011153.D
Acq On : 30 May 2019 23:21
Operator : SY/MD
Sample : K3083-05
Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F8

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butanal	3.75	1.4	ug/L	16821	1	5.66	292042	25.0
Pentanal	6.33	5.5	ug/L	64117	1	5.66	292042	25.0
Hexanal	8.28	20.4	ug/L	273749	2	8.90	334844	25.0
Octanal	11.20	1.8	ug/L	15458	3	11.30	213302	25.0
unknown-01	12.39	1.4	ug/L	12120	3	11.30	213302	25.0