

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
 Data File : VV010930.D
 Acq On : 16 May 2019 13:15
 Operator : SY/MD
 Sample : K2788-14
 Misc : 6.05G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51A4

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 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	1.319	65	71	81	rVB	56201	56229	0.30%	0.162%
2	1.389	88	93	108	rVB	21713	24569	0.13%	0.071%
3	1.521	129	134	139	rBV4	3604	5388	0.03%	0.016%
4	1.569	142	149	163	rVB	43017	52503	0.28%	0.152%
5	1.971	270	274	275	rBV3	1164	782	0.00%	0.002%
6	2.042	294	296	305	rVB5	1197	1489	0.01%	0.004%
7	2.126	311	322	334	rBV3	108137	170661	0.91%	0.493%
8	2.187	334	341	351	rVB	8805	13079	0.07%	0.038%
9	2.309	371	379	389	rVB2	12841	18465	0.10%	0.053%
10	2.463	421	427	432	rBV2	449	536	0.00%	0.002%
11	2.534	440	449	458	rVB4	4233	6577	0.03%	0.019%
12	2.785	519	527	542	rVB2	11068	19070	0.10%	0.055%
13	2.939	567	575	580	rBV2	257	494	0.00%	0.001%
14	3.068	608	615	616	rBV3	1297	1238	0.01%	0.004%
15	3.222	660	663	668	rVV4	621	638	0.00%	0.002%
16	3.736	812	823	827	rBV4	2884	5410	0.03%	0.016%
17	3.958	871	892	958	rBV	4775914	11497204	61.14%	33.225%
18	4.396	1013	1028	1053	rBV	75500	182307	0.97%	0.527%
19	4.656	1093	1109	1123	rBV2	19261	48479	0.26%	0.140%
20	4.830	1154	1163	1166	rBV2	238	435	0.00%	0.001%
21	5.090	1227	1244	1279	rBV2	178190	449130	2.39%	1.298%
22	5.270	1295	1300	1310	rVB4	862	1409	0.01%	0.004%
23	5.662	1408	1422	1448	rBV2	152865	311794	1.66%	0.901%
24	5.961	1485	1515	1551	rBV	9110730	18805870	100.00%	54.345%
25	6.116	1555	1563	1585	rVV	106899	224091	1.19%	0.648%
26	6.235	1589	1600	1616	rVB	81144	164216	0.87%	0.475%
27	6.399	1646	1651	1652	rBV	595	419	0.00%	0.001%
28	6.441	1652	1664	1680	rVB6	7252	17442	0.09%	0.050%
29	6.595	1700	1712	1724	rBV8	4426	8784	0.05%	0.025%
30	6.695	1738	1743	1745	rVV3	680	593	0.00%	0.002%
31	6.707	1745	1747	1754	rVB2	870	755	0.00%	0.002%
32	6.891	1794	1804	1816	rVV5	4663	8708	0.05%	0.025%
33	6.961	1817	1826	1832	rBV6	1380	2269	0.01%	0.007%
34	7.026	1832	1846	1862	rBV2	54259	98124	0.52%	0.284%

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Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
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35	7.119	1869	1875	1887	rVB8	1554	2632	0.01%	0.008%
36	7.273	1918	1923	1925	rBV3	515	433	0.00%	0.001%
37	7.312	1925	1935	1937	rBV6	3375	5389	0.03%	0.016%
38	7.357	1937	1949	1968	rVV	190114	349732	1.86%	1.011%
39	7.608	2021	2027	2034	rBV6	3150	4800	0.03%	0.014%
40	7.662	2034	2044	2062	rVV	36136	61900	0.33%	0.179%
41	7.804	2082	2088	2090	rBV	329	365	0.00%	0.001%
42	7.833	2091	2097	2101	rVV4	1076	1321	0.01%	0.004%
43	7.884	2105	2113	2121	rVV5	2522	4098	0.02%	0.012%
44	7.971	2132	2140	2141	rBV3	4890	4092	0.02%	0.012%
45	8.016	2144	2154	2179	rVB	207190	356903	1.90%	1.031%
46	8.129	2180	2189	2206	rBV	64860	114294	0.61%	0.330%
47	8.424	2269	2281	2289	rBV5	5276	11549	0.06%	0.033%
48	8.550	2306	2320	2338	rVB8	8252	21138	0.11%	0.061%
49	8.637	2338	2347	2352	rBV6	2124	3123	0.02%	0.009%
50	8.678	2356	2360	2361	rBV4	1243	798	0.00%	0.002%
51	8.839	2400	2410	2417	rVV6	6269	12447	0.07%	0.036%
52	8.894	2417	2427	2449	rVV	224534	389972	2.07%	1.127%
53	9.055	2470	2477	2478	rBV3	1431	977	0.01%	0.003%
54	9.090	2484	2488	2489	rBV3	603	416	0.00%	0.001%
55	9.183	2509	2517	2521	rBV6	1659	2192	0.01%	0.006%
56	9.264	2528	2542	2563	rBV	81130	147937	0.79%	0.428%
57	9.469	2601	2606	2608	rBV3	485	435	0.00%	0.001%
58	9.511	2614	2619	2621	rBV2	629	630	0.00%	0.002%
59	9.582	2636	2641	2642	rBV2	590	472	0.00%	0.001%
60	9.749	2684	2693	2694	rBV4	759	820	0.00%	0.002%
61	9.839	2714	2721	2722	rBV3	1512	1281	0.01%	0.004%
62	10.042	2779	2784	2788	rBV4	757	905	0.00%	0.003%
63	10.129	2807	2811	2817	rBV5	706	906	0.00%	0.003%
64	10.215	2831	2838	2842	rBV5	2929	3839	0.02%	0.011%
65	10.260	2842	2852	2868	rVB	105883	163628	0.87%	0.473%
66	10.421	2895	2902	2903	rBV4	1427	1219	0.01%	0.004%
67	10.495	2921	2925	2930	rBV	689	539	0.00%	0.002%
68	10.553	2941	2943	2946	rVB3	475	347	0.00%	0.001%
69	10.617	2957	2963	2973	rBV4	2504	3755	0.02%	0.011%
70	10.903	3041	3052	3066	rBV3	9743	17218	0.09%	0.050%
71	10.997	3072	3081	3088	rVV4	8068	11273	0.06%	0.033%

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72	11.096	3109	3112	3116	rVB3	628	483	0.00%	0.001%
73	11.145	3116	3127	3142	rBV5	16793	32248	0.17%	0.093%
74	11.296	3163	3174	3186	rBV	202470	329065	1.75%	0.951%
75	11.399	3201	3206	3208	rBV3	2929	2664	0.01%	0.008%
76	11.575	3255	3261	3262	rBV2	3253	2701	0.01%	0.008%
77	11.672	3279	3291	3306	rBV	182108	292782	1.56%	0.846%
78	11.868	3346	3352	3358	rVB5	728	923	0.00%	0.003%
79	11.939	3370	3374	3375	rBV2	583	359	0.00%	0.001%
80	11.955	3375	3379	3383	rVB2	681	696	0.00%	0.002%
81	11.984	3385	3388	3397	rVB3	769	719	0.00%	0.002%
82	12.032	3397	3403	3404	rBV4	912	921	0.00%	0.003%
83	12.064	3411	3413	3417	rVB4	749	358	0.00%	0.001%
84	12.228	3463	3464	3470	rVB2	586	343	0.00%	0.001%
85	12.292	3479	3484	3486	rBV3	1201	1037	0.01%	0.003%
86	12.399	3513	3517	3523	rVB2	825	856	0.00%	0.002%
87	12.463	3535	3537	3545	rVB3	417	358	0.00%	0.001%
88	12.517	3547	3554	3561	rVB6	1096	1461	0.01%	0.004%
89	12.707	3608	3613	3616	rBV5	889	965	0.01%	0.003%
90	12.903	3667	3674	3677	rBV4	1424	1712	0.01%	0.005%
91	12.987	3694	3700	3707	rBV7	6276	7683	0.04%	0.022%
92	13.157	3746	3753	3756	rBV4	561	659	0.00%	0.002%
93	13.212	3764	3770	3777	rVB5	1285	1886	0.01%	0.005%
94	13.280	3785	3791	3795	rBV3	1245	1258	0.01%	0.004%
95	13.315	3795	3802	3810	rBV5	3161	4804	0.03%	0.014%
96	13.431	3832	3838	3848	rVB6	3213	5567	0.03%	0.016%
97	13.630	3898	3900	3909	rVB2	638	482	0.00%	0.001%
98	14.090	4034	4043	4054	rVB3	4333	7489	0.04%	0.022%
99	15.119	4356	4363	4367	rBV2	359	491	0.00%	0.001%
100	17.402	5071	5073	5077	rVB4	847	429	0.00%	0.001%

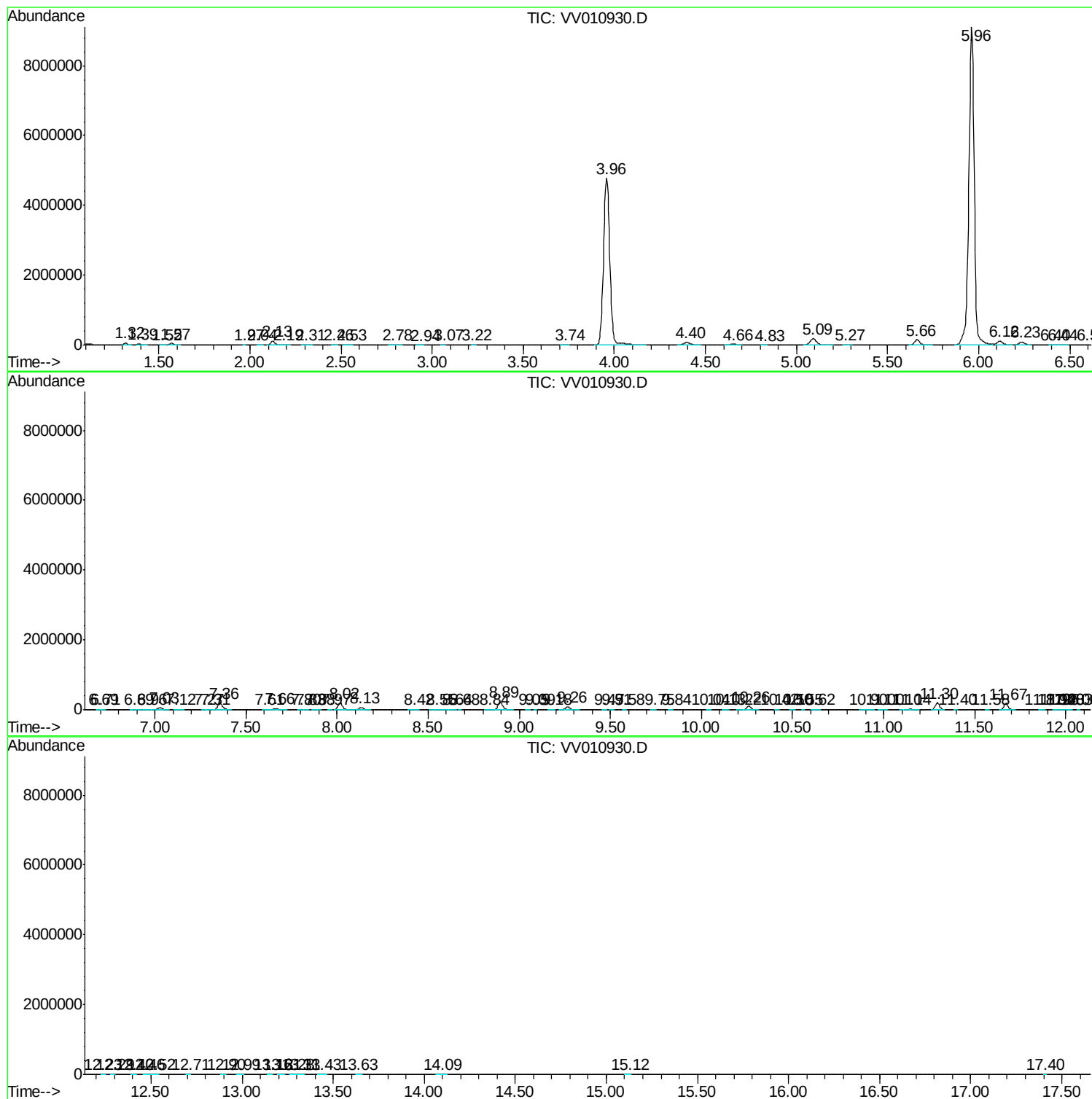
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

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



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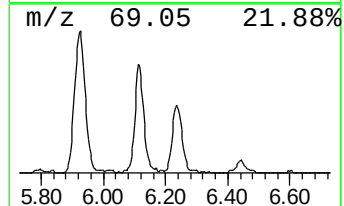
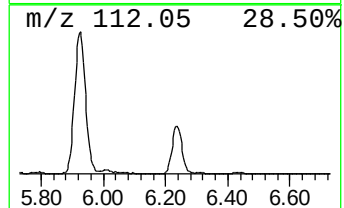
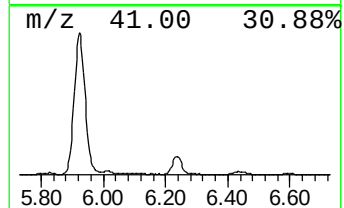
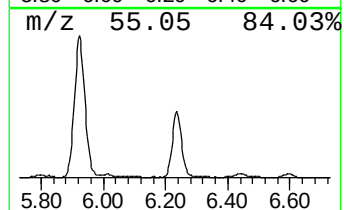
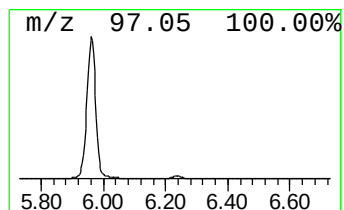
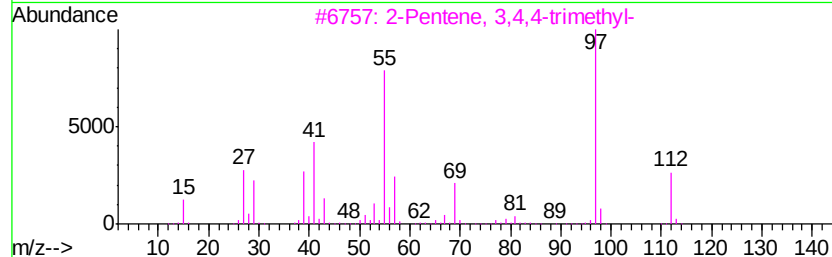
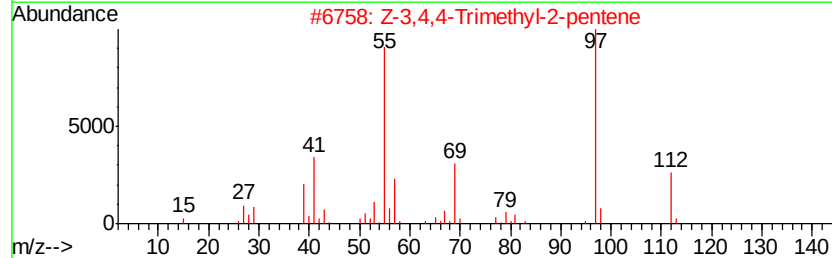
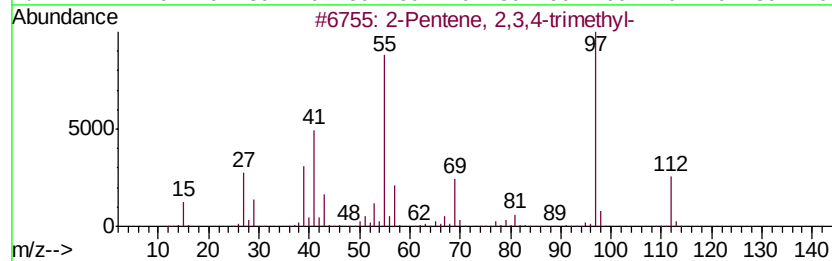
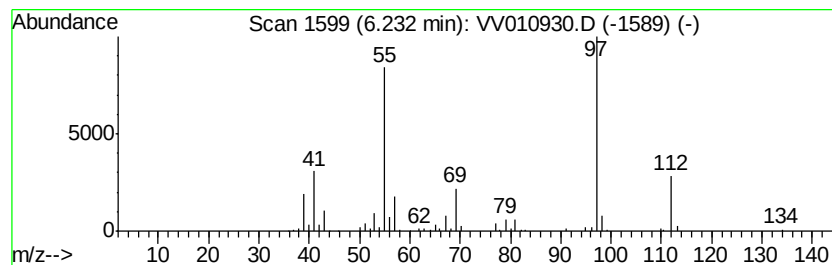
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	13.17 ug/L	164216	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2,3,4-trimethyl-			112	C8H16	000565-77-5	94
2	Z-3,4,4-Trimethyl-2-pentene			112	C8H16	039761-64-3	94
3	2-Pentene, 3,4,4-trimethyl-			112	C8H16	000598-96-9	94
4	2-Pentene, 2,4,4-trimethyl-			112	C8H16	000107-40-4	91
5	2-Pentene, 2,4,4-trimethyl-			112	C8H16	000107-40-4	91



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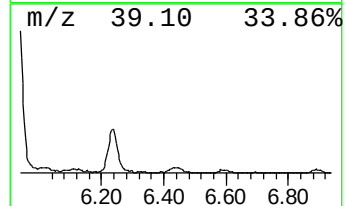
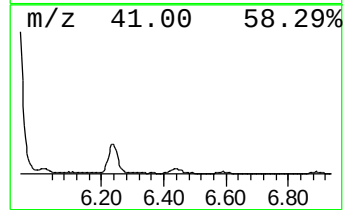
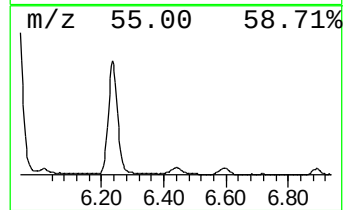
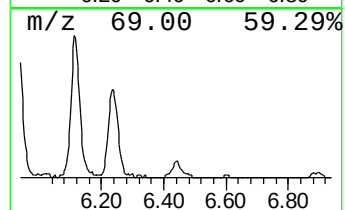
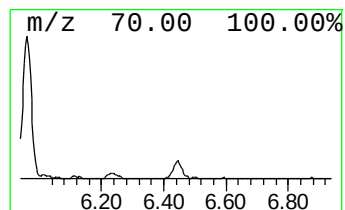
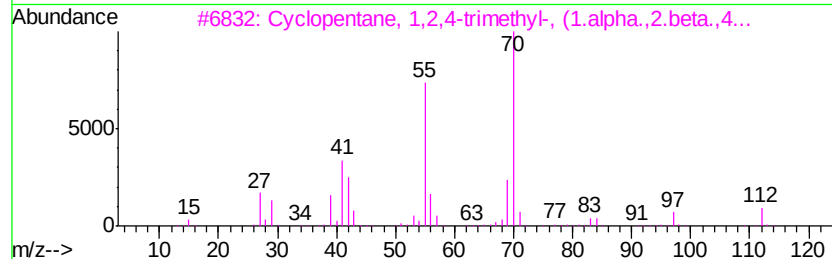
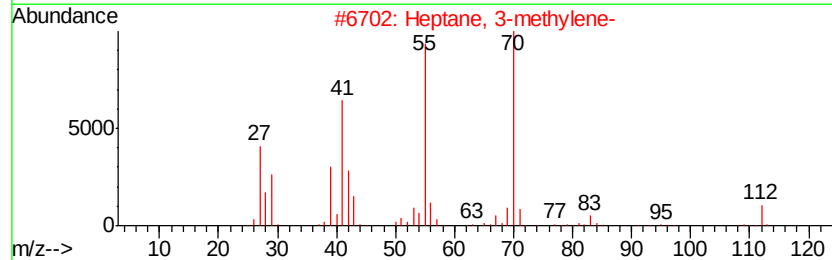
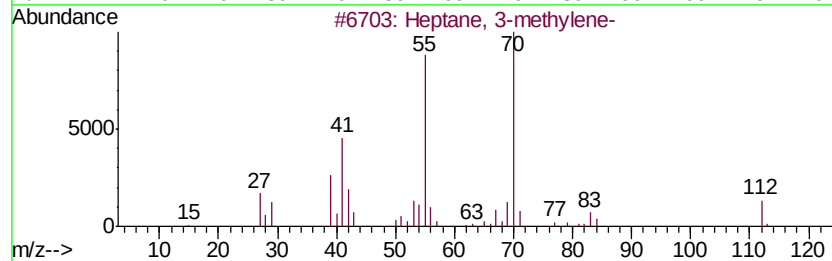
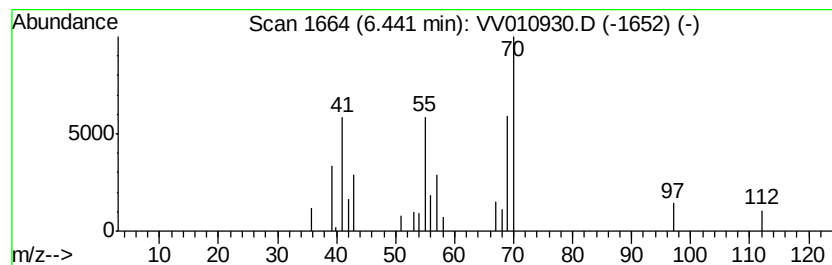
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	1.40 ug/L	17442	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-methylene-	112	C8H16	001632-16-2	72
2		Heptane, 3-methylene-	112	C8H16	001632-16-2	64
3		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	64
4		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	59
5		Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	43



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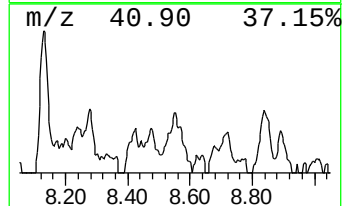
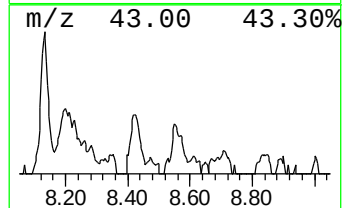
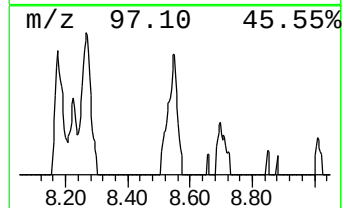
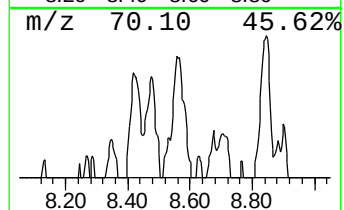
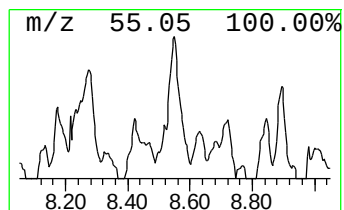
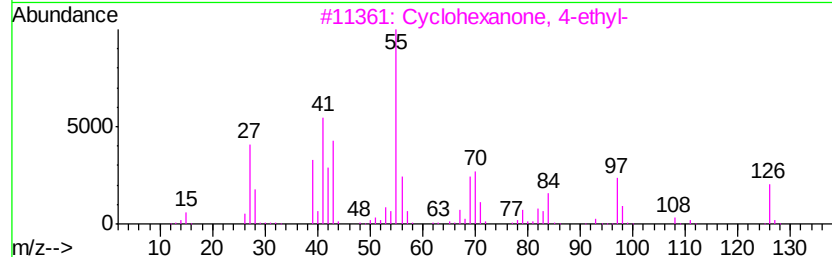
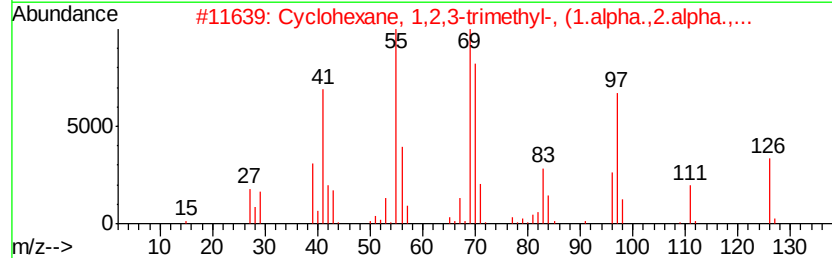
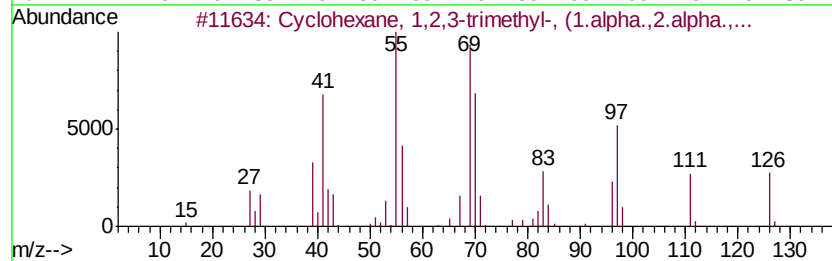
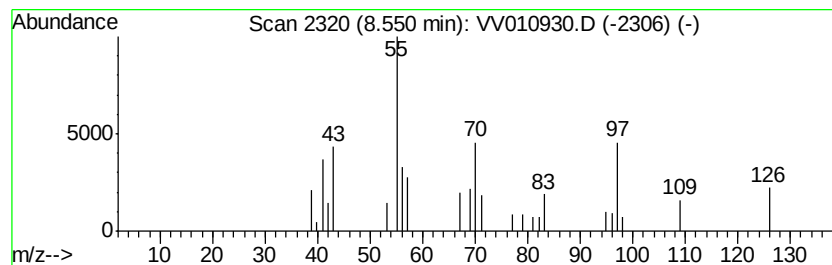
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic8.55 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	1.36 ug/L	21138	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	64
2		Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	58
3		Cyclohexanone, 4-ethyl-	126	C8H14O	005441-51-0	53
4		cis-4-Nonene	126	C9H18	010405-84-2	52
5		Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010930.D
Acq On : 16 May 2019 13:15
Operator : SY/MD
Sample : K2788-14
Misc : 6.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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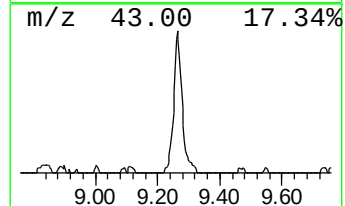
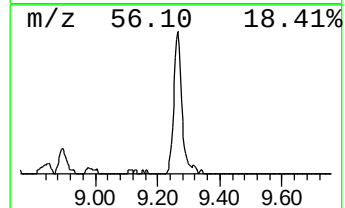
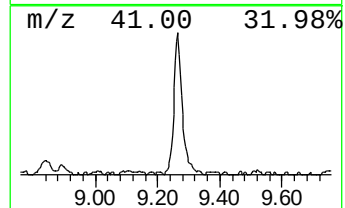
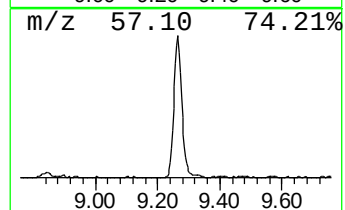
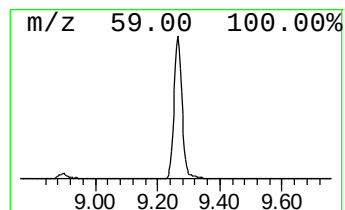
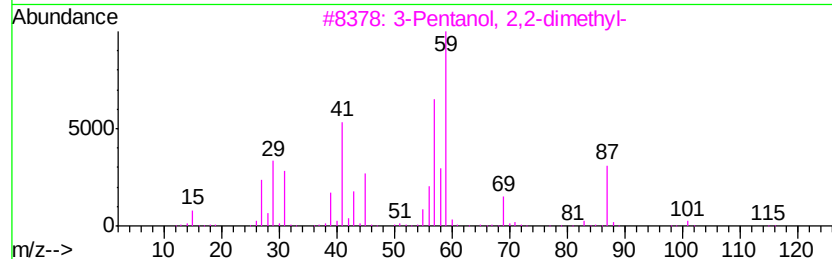
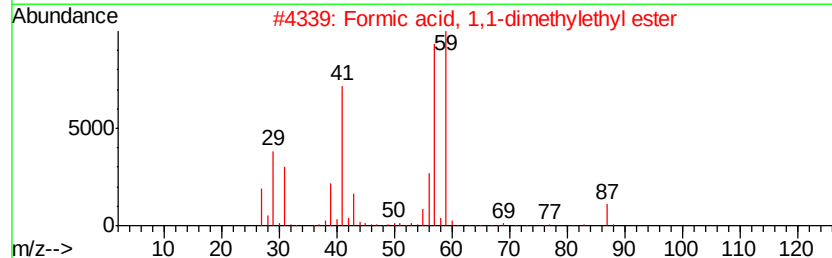
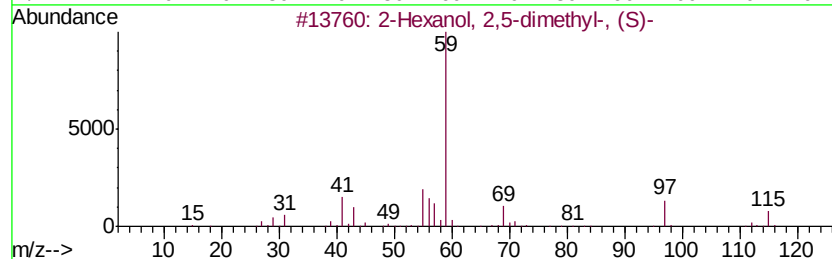
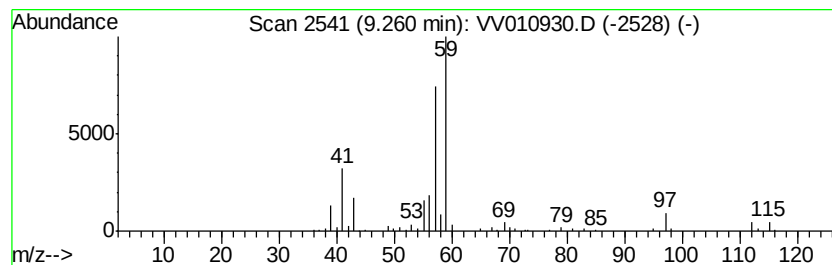
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Quant Title : VOC Analysis

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

Peak Number 6 2-Hexanol, 2,5-dimethyl-, (S)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	9.48 ug/L	147937	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	56
2		Formic acid, 1,1-dimethylethyl e...	102	C5H10O2	000762-75-4	50
3		3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	50
4		2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	50
5		6-Methyl-2-heptanol, methyl ether	144	C9H20O	1000365-52-0	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010930.D
Acq On : 16 May 2019 13:15
Operator : SY/MD
Sample : K2788-14
Misc : 6.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51A4

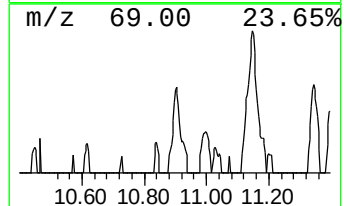
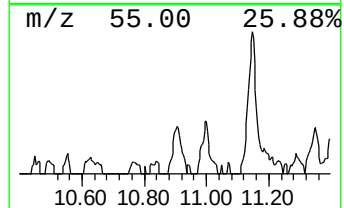
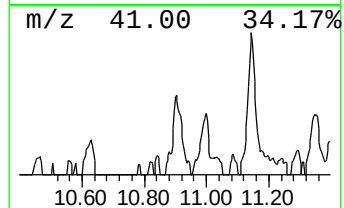
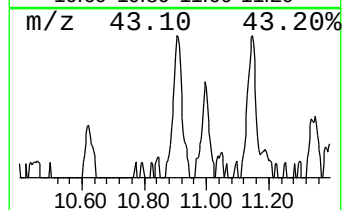
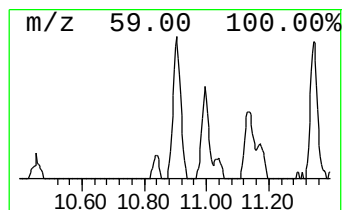
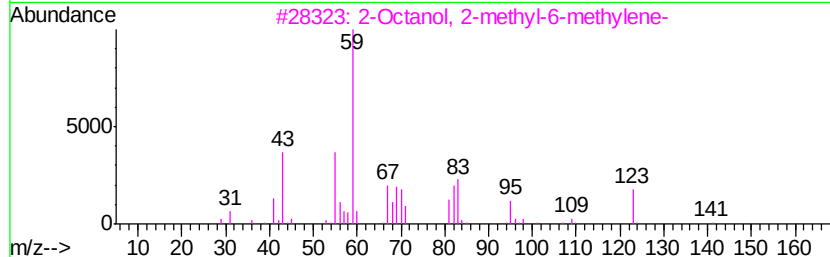
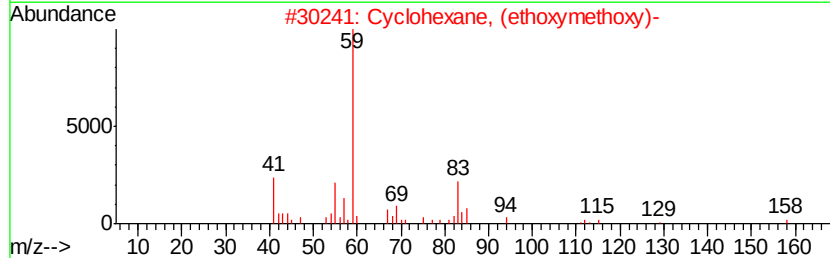
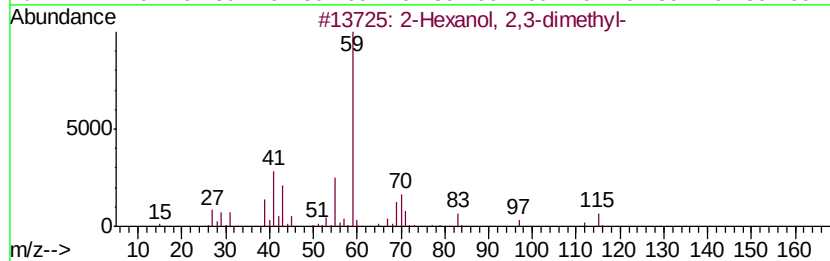
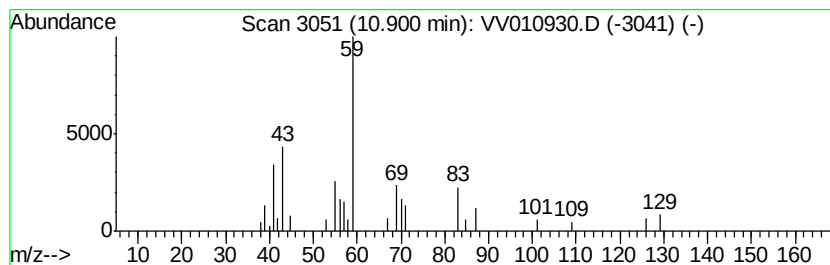
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Quant Title : VOC Analysis

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

Peak Number 7 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	1.31 ug/L	17218	1,4-Dichlorobenzene-d4	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	47	
2	Cyclohexane, (ethoxymethoxy)-	158	C9H18O2	054699-29-5	42	
3	2-Octanol, 2-methyl-6-methylene-	156	C10H20O	018479-59-9	36	
4	2-Octanol, 2-methyl-6-methylene-	156	C10H20O	018479-59-9	36	
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010930.D
Acq On : 16 May 2019 13:15
Operator : SY/MD
Sample : K2788-14
Misc : 6.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

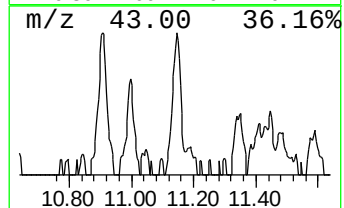
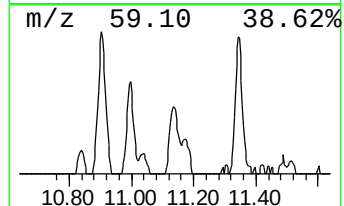
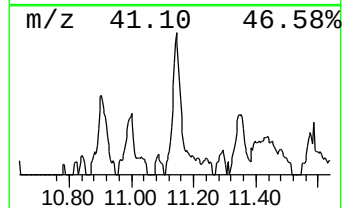
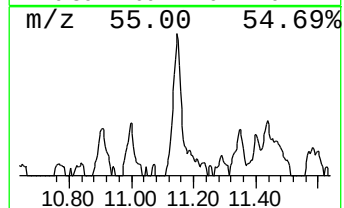
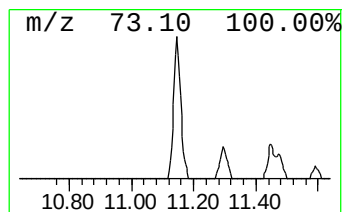
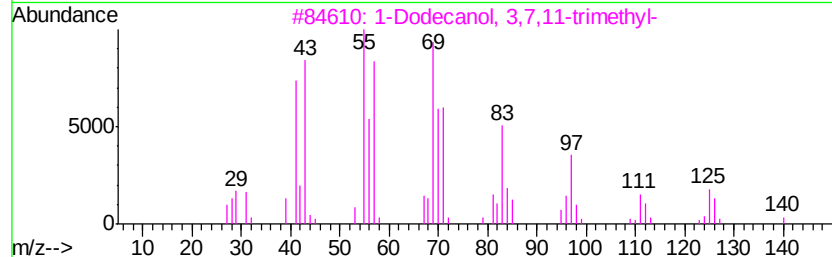
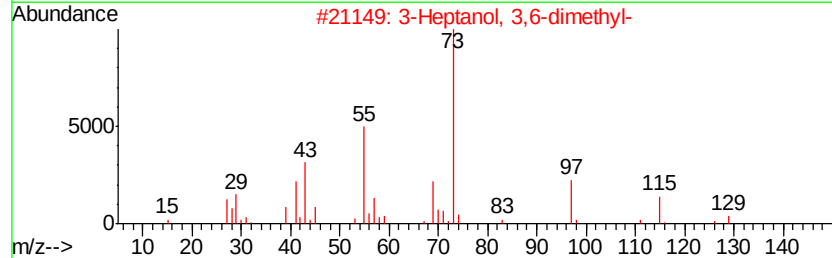
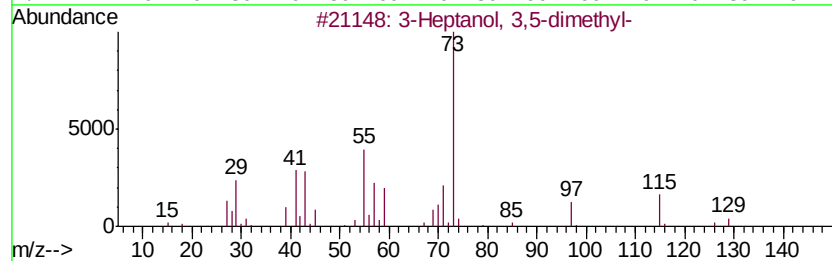
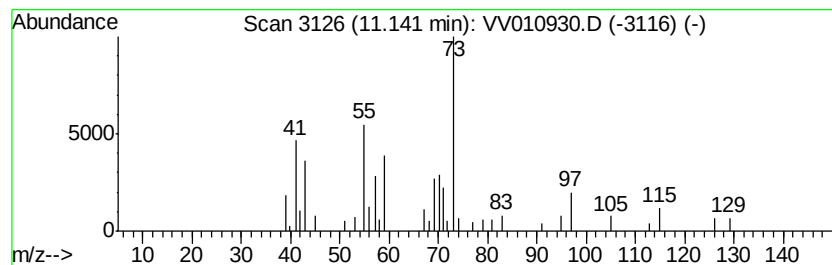
Instrument :
MSVOA_V
ClientSampleId :
A51A4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

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

Peak Number 8 3-Heptanol, 3,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.14	2.45 ug/L	32248	1,4-Dichlorobenzene-d4	11.30		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol,	3,5-dimethyl-	144	C9H20O	019549-74-7	53
2	3-Heptanol,	3,6-dimethyl-	144	C9H20O	001573-28-0	37
3	1-Dodecanol,	3,7,11-trimethyl-	228	C15H32O	006750-34-1	32
4	3-Heptanol,	3,6-dimethyl-	144	C9H20O	001573-28-0	23
5	Cyclopentane,	1-methyl-2-propyl-	126	C9H18	003728-57-2	22



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010930.D
Acq On : 16 May 2019 13:15
Operator : SY/MD
Sample : K2788-14
Misc : 6.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51A4

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Str...	6.23	13.2	ug/L	164216	1	5.66	311794	25.0
(DEL) Alkane: Str...	6.44	1.4	ug/L	17442	1	5.66	311794	25.0
(DEL) Alkane: Cyc...	8.55	1.4	ug/L	21138	2	8.89	389972	25.0
2-Hexanol, 2,5-di...	9.26	9.5	ug/L	147937	2	8.89	389972	25.0
unknown-01	10.90	1.3	ug/L	17218	3	11.30	329065	25.0
3-Heptanol, 3,5-d...	11.14	2.5	ug/L	32248	3	11.30	329065	25.0