

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011074.D
 Acq On : 28 May 2019 20:19
 Operator : SY/MD
 Sample : K3016-02RE
 Misc : 5.24G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51C1RE

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\SOM2VLM052819S.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	81	rVB	272432	250878	13.76%	1.803%
2	1.386	86	92	100	rBV	66159	70643	3.87%	0.508%
3	1.560	140	146	155	rVB	177965	205009	11.24%	1.473%
4	2.119	311	320	332	rVB	409550	584957	32.09%	4.204%
5	2.187	335	341	351	rVB	90651	127519	6.99%	0.916%
6	3.348	698	702	707	rBV8	2239	2118	0.12%	0.015%
7	3.386	712	714	718	rVB5	1776	1352	0.07%	0.010%
8	3.560	759	768	769	rBV7	1213	1464	0.08%	0.011%
9	3.749	818	827	843	rVV4	13385	31740	1.74%	0.228%
10	3.936	872	885	908	rBV	100421	256265	14.06%	1.842%
11	4.177	954	960	963	rBV9	1000	1238	0.07%	0.009%
12	4.200	963	967	970	rVB6	1707	1434	0.08%	0.010%
13	4.396	1008	1028	1046	rBV	287411	698944	38.34%	5.023%
14	4.688	1116	1119	1123	rVB6	1338	1055	0.06%	0.008%
15	4.836	1162	1165	1168	rBV5	1220	988	0.05%	0.007%
16	4.855	1168	1171	1175	rVB6	1741	1238	0.07%	0.009%
17	5.090	1223	1244	1273	rBV2	730654	1823135	100.00%	13.102%
18	5.373	1323	1332	1341	rBV7	7361	13461	0.74%	0.097%
19	5.511	1371	1375	1378	rBV4	2296	2332	0.13%	0.017%
20	5.659	1407	1421	1461	rBV	475101	977480	53.62%	7.025%
21	5.884	1488	1491	1497	rVB8	1454	1364	0.07%	0.010%
22	6.113	1547	1562	1585	rBV	412863	852446	46.76%	6.126%
23	6.328	1618	1629	1647	rBV	71334	139992	7.68%	1.006%
24	6.653	1725	1730	1733	rBV6	1804	2097	0.12%	0.015%
25	6.704	1740	1746	1748	rBV6	2894	3160	0.17%	0.023%
26	6.765	1762	1765	1772	rVB9	2339	2883	0.16%	0.021%
27	6.798	1772	1775	1777	rBV2	1882	1302	0.07%	0.009%
28	6.814	1777	1780	1783	rBV5	1368	930	0.05%	0.007%
29	7.026	1833	1846	1863	rBV	258995	456778	25.05%	3.283%
30	7.171	1888	1891	1892	rBV3	2723	1513	0.08%	0.011%
31	7.357	1930	1949	1967	rBV	795905	1427029	78.27%	10.256%
32	7.662	2032	2044	2062	rBV	170017	285354	15.65%	2.051%
33	7.814	2089	2091	2094	rVB4	2093	1185	0.06%	0.009%
34	7.843	2094	2100	2102	rBV6	2286	2421	0.13%	0.017%

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 Title : VOC Analysis

35	7.981	2132	2143	2153	rVV3	11510	20997	1.15%	0.151%
36	8.068	2167	2170	2173	rVB5	1896	1252	0.07%	0.009%
37	8.132	2177	2190	2222	rBV	372387	679928	37.29%	4.886%
38	8.280	2226	2236	2262	rVV	657460	1070678	58.73%	7.695%
39	8.685	2359	2362	2366	rVB6	1132	935	0.05%	0.007%
40	8.894	2411	2427	2446	rBV	685386	1133131	62.15%	8.143%
41	9.058	2477	2478	2486	rVB8	1678	1585	0.09%	0.011%
42	9.125	2495	2499	2501	rVB5	1195	991	0.05%	0.007%
43	9.158	2504	2509	2510	rBV5	1431	1159	0.06%	0.008%
44	9.187	2510	2518	2526	rVV5	4158	7000	0.38%	0.050%
45	9.357	2565	2571	2581	rVB8	8382	13970	0.77%	0.100%
46	9.482	2606	2610	2613	rVB6	1732	1400	0.08%	0.010%
47	9.540	2621	2628	2630	rBV8	3898	4238	0.23%	0.030%
48	9.695	2672	2676	2678	rBV5	1214	937	0.05%	0.007%
49	9.756	2689	2695	2706	rVB5	3550	5861	0.32%	0.042%
50	9.852	2714	2725	2741	rBV2	41919	75090	4.12%	0.540%
51	9.994	2762	2769	2777	rBV7	3835	6160	0.34%	0.044%
52	10.116	2801	2807	2810	rBV7	1140	1025	0.06%	0.007%
53	10.138	2811	2814	2821	rVB7	1668	1948	0.11%	0.014%
54	10.177	2821	2826	2831	rBV8	1685	1536	0.08%	0.011%
55	10.260	2837	2852	2872	rBV	396253	623927	34.22%	4.484%
56	10.350	2876	2880	2881	rBV3	1184	971	0.05%	0.007%
57	10.421	2886	2902	2916	rVB	22048	41088	2.25%	0.295%
58	10.495	2921	2925	2928	rBV5	1737	1327	0.07%	0.010%
59	10.511	2928	2930	2934	rVB3	1558	1191	0.07%	0.009%
60	10.563	2934	2946	2955	rBV9	6803	16044	0.88%	0.115%
61	10.624	2958	2965	2974	rVB9	6455	10544	0.58%	0.076%
62	10.675	2979	2981	2984	rVB3	2058	1085	0.06%	0.008%
63	10.756	2997	3006	3015	rBV4	10015	17494	0.96%	0.126%
64	11.077	3098	3106	3109	rBV9	2832	3848	0.21%	0.028%
65	11.129	3118	3122	3124	rBV4	2037	1621	0.09%	0.012%
66	11.196	3133	3143	3160	rBV2	38573	65372	3.59%	0.470%
67	11.296	3162	3174	3194	rVB	480555	786416	43.14%	5.652%
68	11.376	3196	3199	3202	rBV4	2101	1854	0.10%	0.013%
69	11.424	3211	3214	3216	rBV4	1158	964	0.05%	0.007%
70	11.579	3254	3262	3275	rVB4	16165	29261	1.60%	0.210%
71	11.672	3279	3291	3306	rBV	515711	835985	45.85%	6.008%

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72	12.055	3400	3410	3421	rBV7	16766	32074	1.76%	0.231%
73	12.244	3466	3469	3475	rVV7	1563	1661	0.09%	0.012%
74	12.292	3475	3484	3496	rBV2	11108	19115	1.05%	0.137%
75	12.392	3506	3515	3526	rBV2	33009	52678	2.89%	0.379%
76	12.717	3609	3616	3625	rVB3	11940	17034	0.93%	0.122%
77	12.884	3665	3668	3673	rVV6	1293	1088	0.06%	0.008%
78	12.929	3677	3682	3691	rVB7	5394	6454	0.35%	0.046%
79	13.006	3701	3706	3715	rVB9	2798	3305	0.18%	0.024%
80	13.106	3733	3737	3738	rBV3	1680	1161	0.06%	0.008%
81	13.186	3756	3762	3775	rVB3	7507	14072	0.77%	0.101%
82	13.309	3796	3800	3804	rBV5	1053	1137	0.06%	0.008%
83	13.460	3843	3847	3848	rBV4	1344	1055	0.06%	0.008%
84	13.482	3848	3854	3863	rVV9	7615	11037	0.61%	0.079%
85	13.518	3863	3865	3869	rBV3	1269	1018	0.06%	0.007%
86	13.636	3895	3902	3907	rVB7	4289	6242	0.34%	0.045%
87	13.871	3969	3975	3980	rBV8	3363	4079	0.22%	0.029%
88	14.026	4020	4023	4026	rBV5	1389	1162	0.06%	0.008%
89	14.100	4036	4046	4054	rBV3	3075	4812	0.26%	0.035%
90	14.138	4054	4058	4060	rBV5	1450	1106	0.06%	0.008%
91	14.186	4070	4073	4076	rBV5	1572	1200	0.07%	0.009%
92	14.231	4080	4087	4094	rVV9	6745	10975	0.60%	0.079%
93	14.386	4127	4135	4144	rBV10	5259	9974	0.55%	0.072%
94	14.482	4162	4165	4167	rBV3	1812	1266	0.07%	0.009%
95	14.678	4223	4226	4228	rBV3	2262	1721	0.09%	0.012%
96	15.093	4352	4355	4358	rBV5	1503	1393	0.08%	0.010%
97	15.116	4358	4362	4368	rVB8	1412	1452	0.08%	0.010%
98	15.164	4368	4377	4380	rBV10	2317	2853	0.16%	0.021%
99	15.202	4384	4389	4390	rBV5	2439	2053	0.11%	0.015%
100	15.678	4535	4537	4539	rBV3	1812	1013	0.06%	0.007%

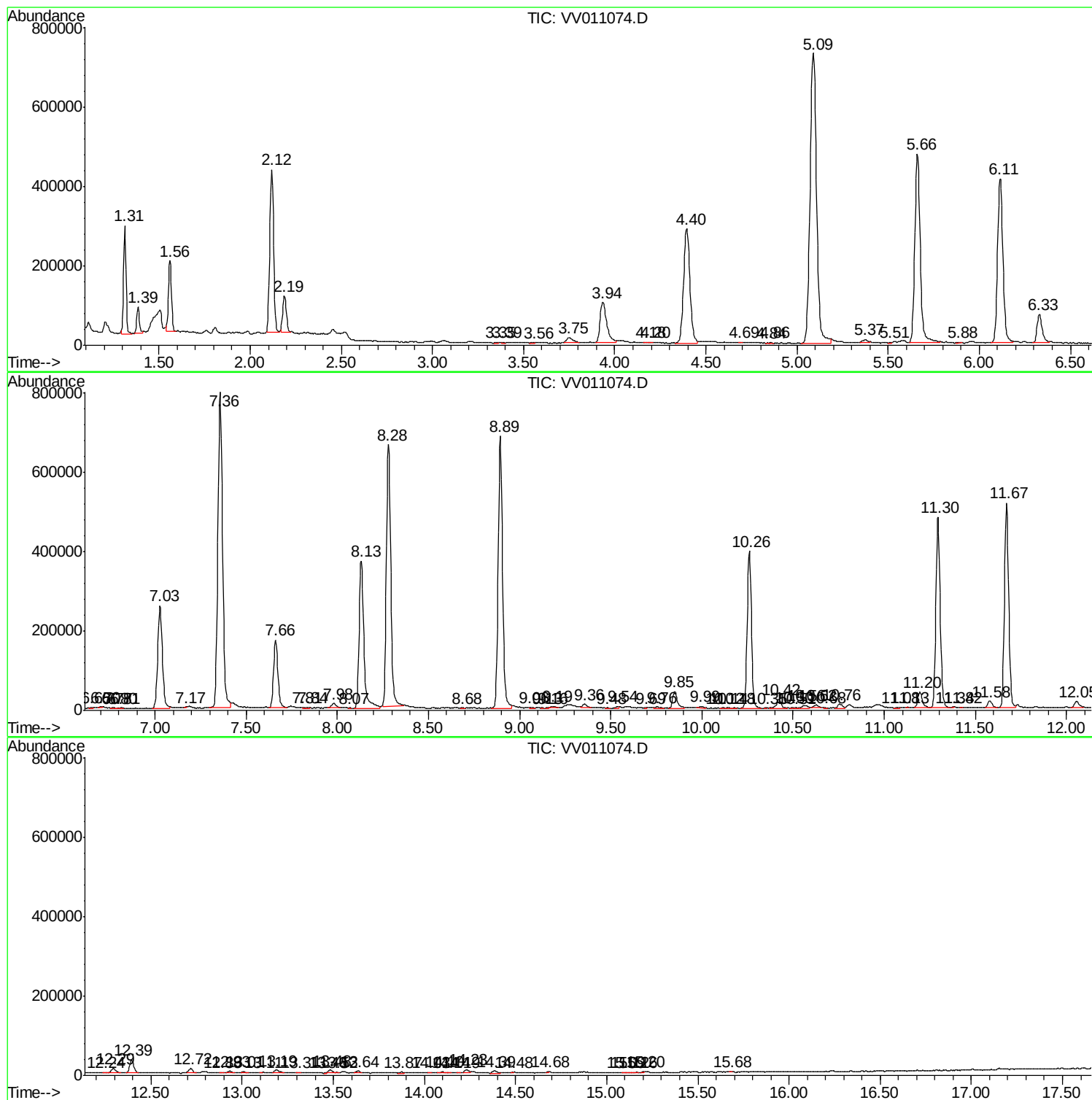
Sum of corrected areas: 13914707

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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



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Instrument :
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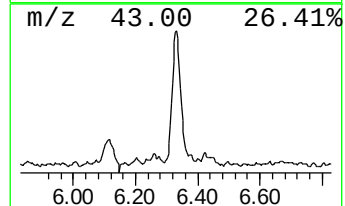
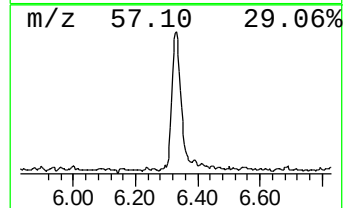
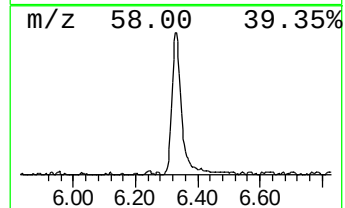
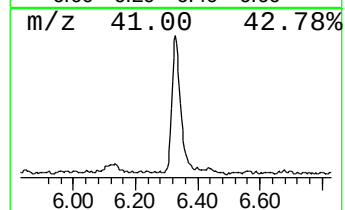
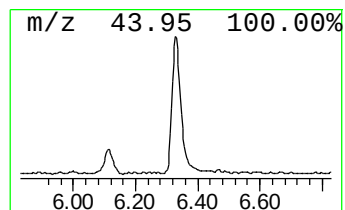
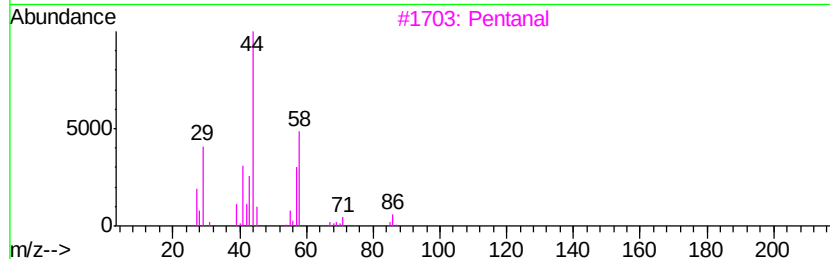
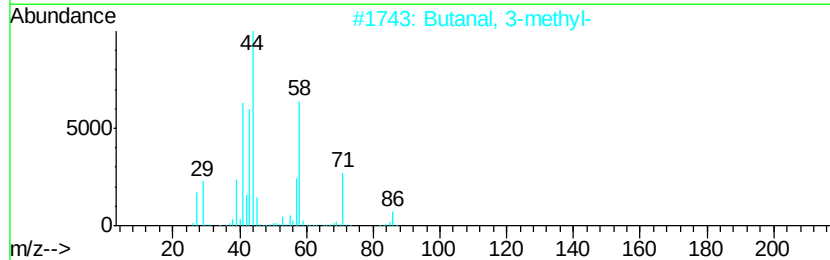
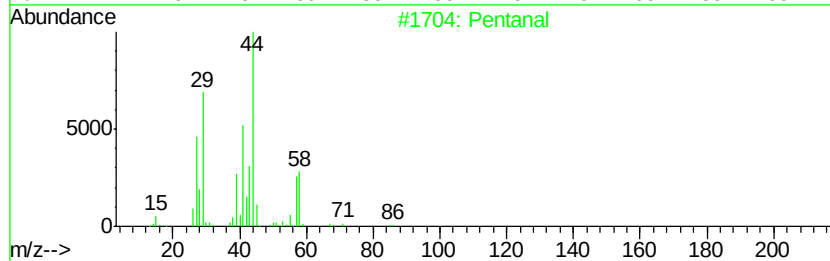
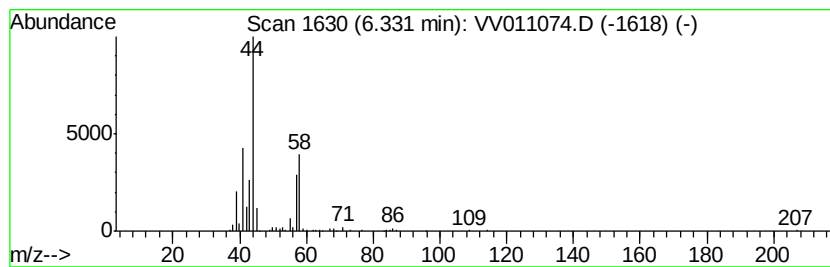
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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	3.58 ug/L	139992	1,4-Difluorobenzene	5.66

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal		86	C5H10O	000110-62-3	83
2	Butanal, 3-methyl-		86	C5H10O	000590-86-3	74
3	Pentanal		86	C5H10O	000110-62-3	64
4	Pentanal		86	C5H10O	000110-62-3	58
5	Butanal, 3-methyl-		86	C5H10O	000590-86-3	42



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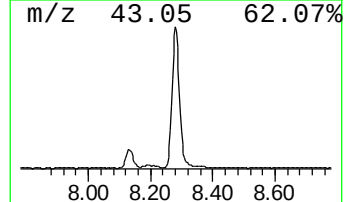
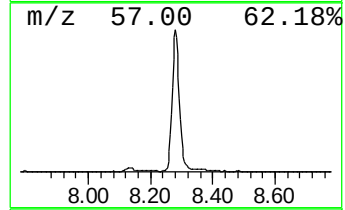
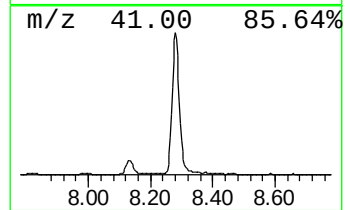
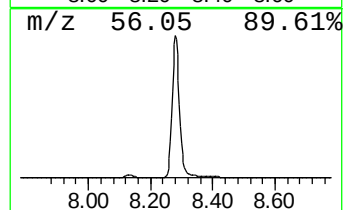
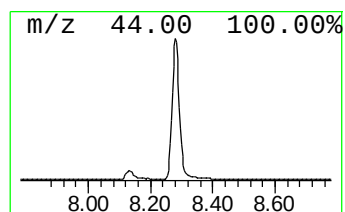
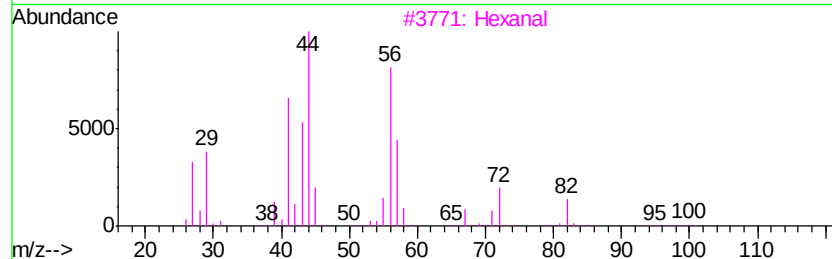
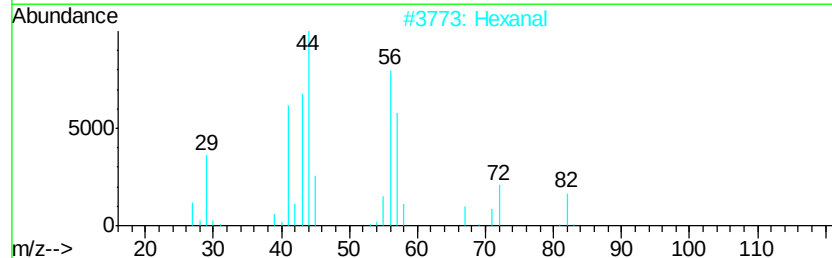
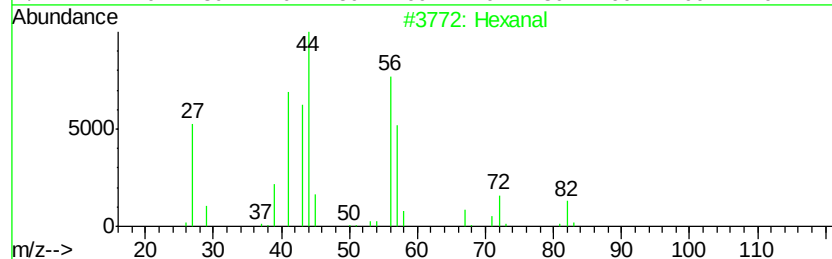
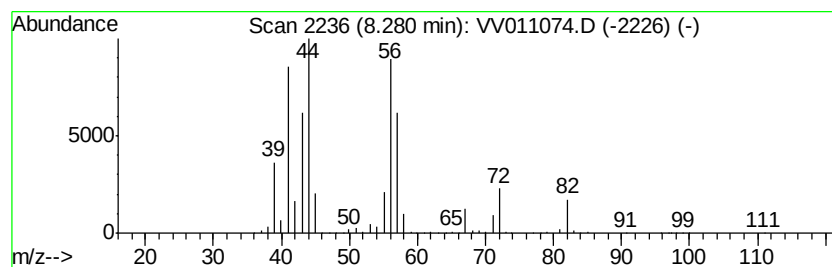
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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	23.62 ug/L	1070680	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	90
2		Hexanal	100	C6H12O	000066-25-1	90
3		Hexanal	100	C6H12O	000066-25-1	90
4		Hexanal	100	C6H12O	000066-25-1	83
5		Butanal	72	C4H8O	000123-72-8	35



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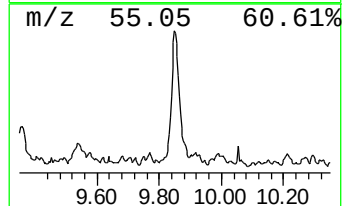
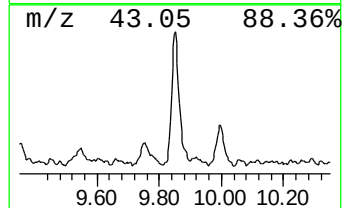
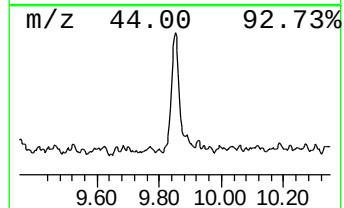
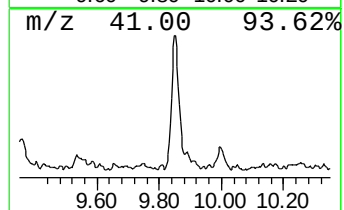
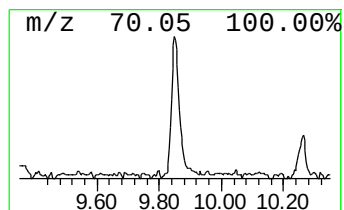
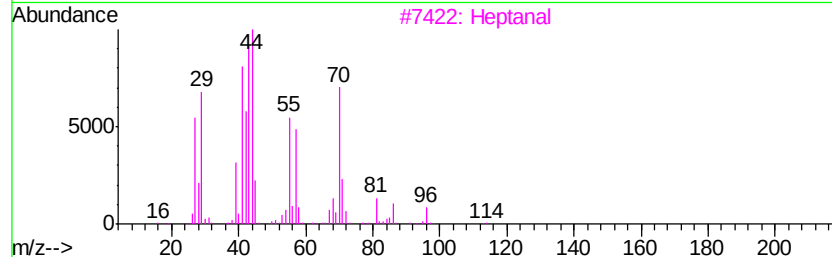
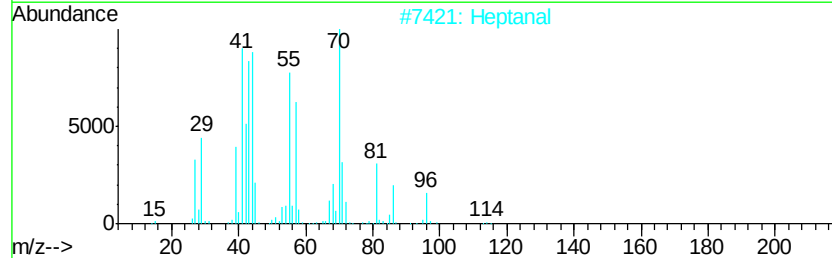
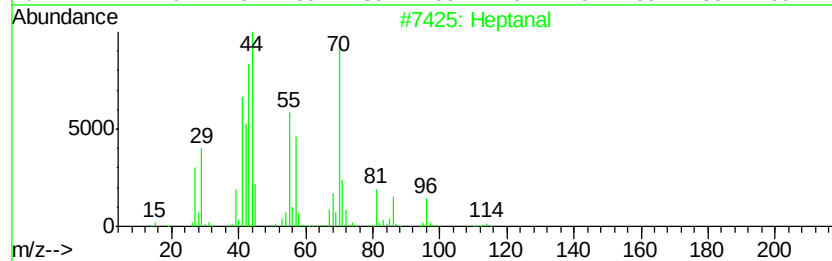
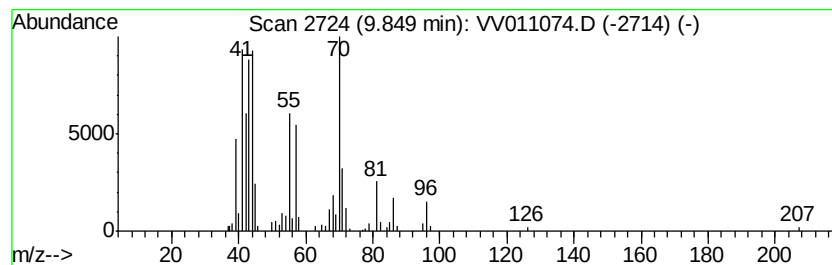
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Quant Title : VOC Analysis

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

Peak Number 5 Heptanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	1.66 ug/L	75090	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanal	114	C7H14O	000111-71-7	93
2		Heptanal	114	C7H14O	000111-71-7	80
3		Heptanal	114	C7H14O	000111-71-7	80
4		Heptanal	114	C7H14O	000111-71-7	80
5		Heptanal	114	C7H14O	000111-71-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011074.D
Acq On : 28 May 2019 20:19
Operator : SY/MD
Sample : K3016-02RE
Misc : 5.24G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C1RE

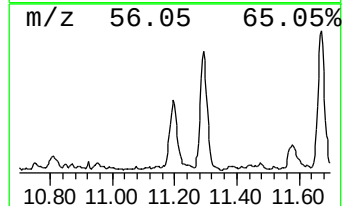
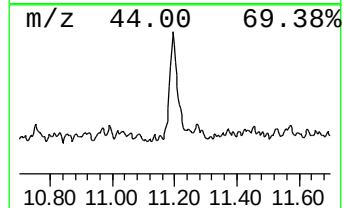
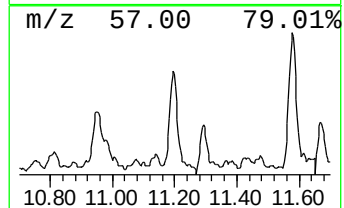
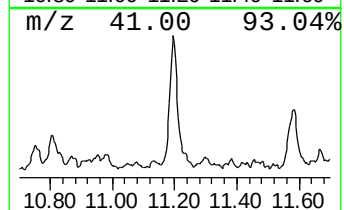
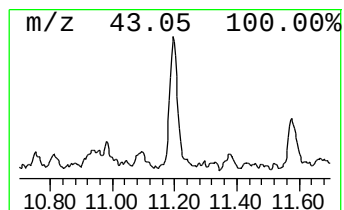
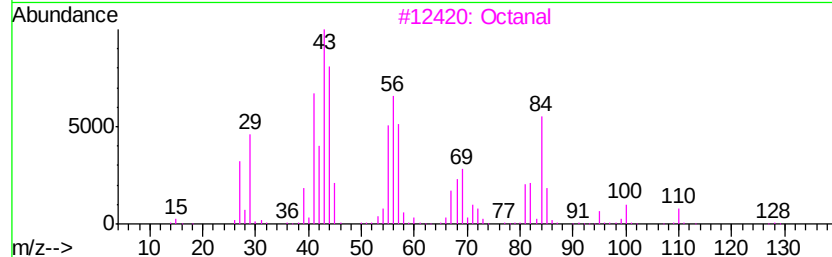
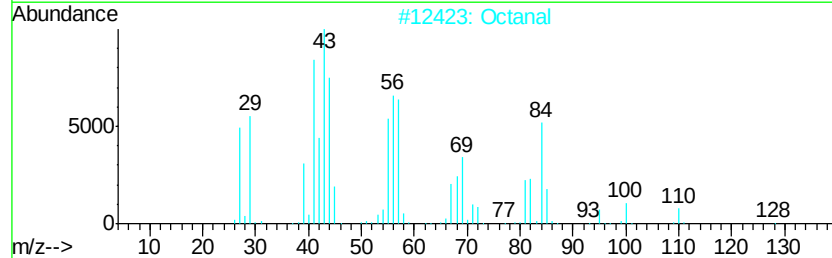
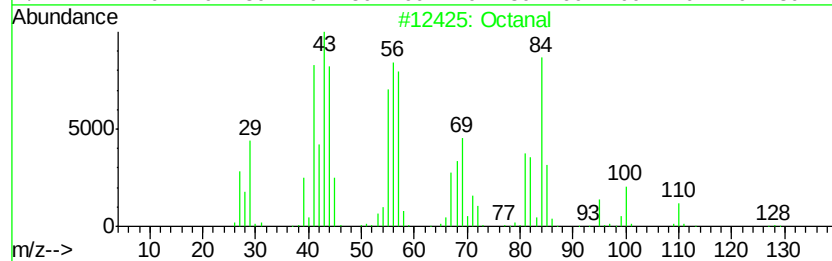
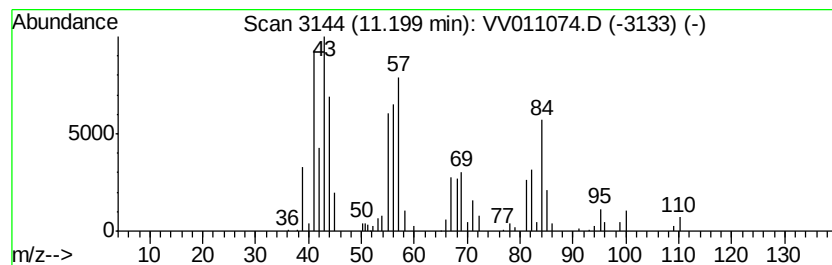
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Quant Title : VOC Analysis

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

Peak Number 7 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.08 ug/L	65372	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octanal	128	C8H16O	000124-13-0	91
2		Octanal	128	C8H16O	000124-13-0	87
3		Octanal	128	C8H16O	000124-13-0	80
4		Octanal	128	C8H16O	000124-13-0	74
5		Octanal	128	C8H16O	000124-13-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011074.D
Acq On : 28 May 2019 20:19
Operator : SY/MD
Sample : K3016-02RE
Misc : 5.24G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C1RE

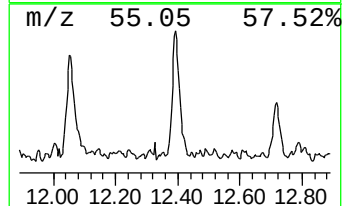
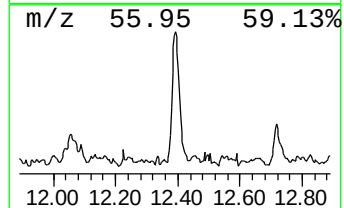
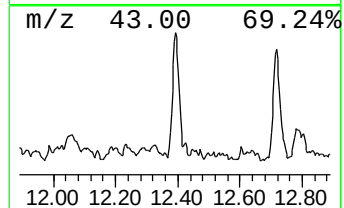
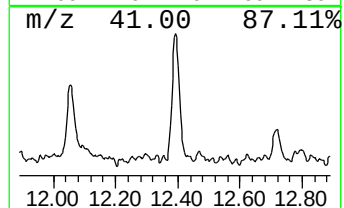
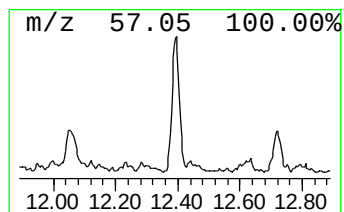
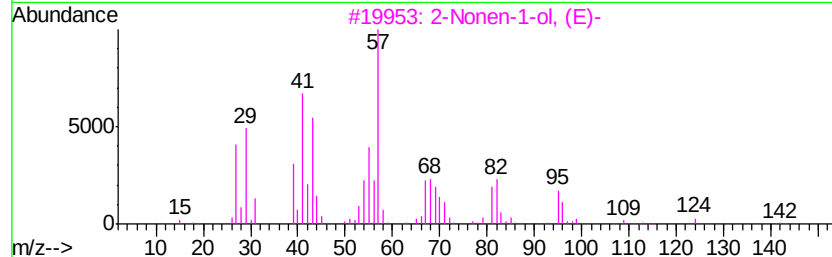
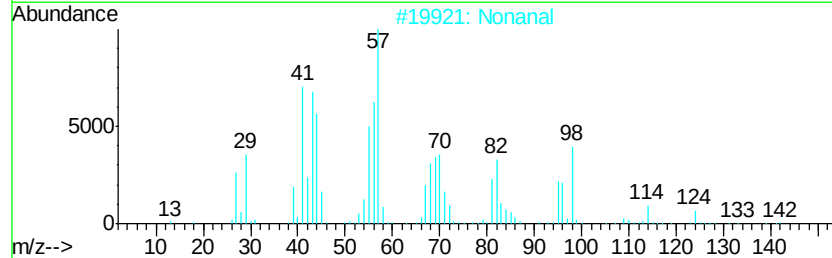
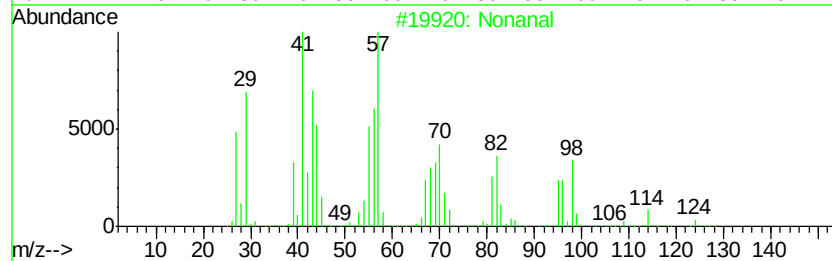
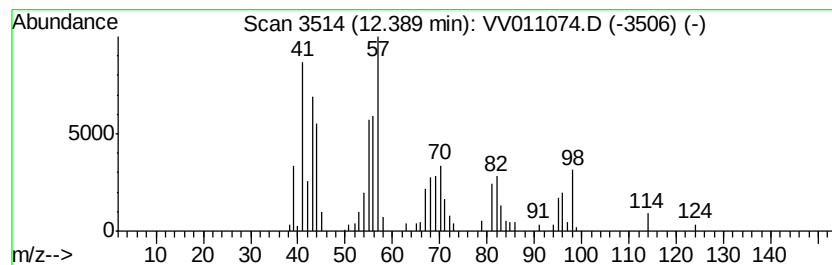
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 8 Nonanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	1.67 ug/L	52678	1,4-Dichlorobenzene-d4	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal		142	C9H18O	000124-19-6	91
2	Nonanal		142	C9H18O	000124-19-6	91
3	2-Nonen-1-ol, (E)-		142	C9H18O	031502-14-4	35
4	11-Dodecenol		184	C12H24O	035289-31-7	30
5	Hex-5-enylamine		99	C6H13N	034825-70-2	30



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011074.D
Acq On : 28 May 2019 20:19
Operator : SY/MD
Sample : K3016-02RE
Misc : 5.24G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C1RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.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
Pentanal	6.33	3.6	ug/L	139992	1	5.66	977480	25.0
Hexanal	8.28	23.6	ug/L	1070680	2	8.89	1133130	25.0
Heptanal	9.85	1.7	ug/L	75090	2	8.89	1133130	25.0
Octanal	11.20	2.1	ug/L	65372	3	11.30	786416	25.0
Nonanal	12.39	1.7	ug/L	52678	3	11.30	786416	25.0