

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
 Data File : VV011165.D
 Acq On : 31 May 2019 06:37
 Operator : SY/MD
 Sample : K3017-12RE
 Misc : 3.52G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E5RE

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\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	1.309	62	68	75	rVB	183278	170332	9.01%	1.504%
2	1.380	85	90	104	rVB	87717	91220	4.83%	0.805%
3	2.113	311	318	330	rVB2	286531	422366	22.34%	3.729%
4	2.184	332	340	354	rVB	226401	329522	17.43%	2.909%
5	2.450	414	423	437	rVB	131314	204627	10.83%	1.807%
6	2.840	542	544	546	rBV3	720	269	0.01%	0.002%
7	2.856	546	549	551	rBV3	743	435	0.02%	0.004%
8	2.910	564	566	568	rBV2	831	440	0.02%	0.004%
9	2.981	580	588	603	rVB4	7681	15632	0.83%	0.138%
10	3.055	604	611	621	rBV5	5206	8809	0.47%	0.078%
11	3.110	627	628	630	rBV2	664	217	0.01%	0.002%
12	3.190	647	653	655	rBV6	4141	3716	0.20%	0.033%
13	3.335	696	698	699	rBV2	485	226	0.01%	0.002%
14	3.389	713	715	717	rBV3	924	384	0.02%	0.003%
15	3.405	717	720	723	rBV5	992	833	0.04%	0.007%
16	3.492	744	747	748	rBV3	705	367	0.02%	0.003%
17	3.505	749	751	752	rBV2	960	356	0.02%	0.003%
18	3.627	786	789	790	rBV3	417	228	0.01%	0.002%
19	3.659	797	799	802	rBV4	830	593	0.03%	0.005%
20	3.743	812	825	843	rBV3	37146	91957	4.86%	0.812%
21	3.930	873	883	903	rBV2	58144	147976	7.83%	1.306%
22	4.219	969	973	978	rVB8	803	844	0.04%	0.007%
23	4.299	994	998	1002	rBV6	1103	910	0.05%	0.008%
24	4.322	1002	1005	1007	rBV3	1057	634	0.03%	0.006%
25	4.393	1007	1027	1045	rBV	188825	468270	24.77%	4.134%
26	4.804	1152	1155	1156	rBV3	694	304	0.02%	0.003%
27	4.836	1164	1165	1168	rVB3	938	321	0.02%	0.003%
28	4.852	1168	1170	1171	rBV2	500	206	0.01%	0.002%
29	4.868	1171	1175	1177	rVV3	782	671	0.04%	0.006%
30	4.881	1177	1179	1182	rVB3	733	417	0.02%	0.004%
31	4.920	1189	1191	1193	rBV3	725	433	0.02%	0.004%
32	4.962	1202	1204	1207	rVB3	950	569	0.03%	0.005%
33	4.994	1211	1214	1219	rVB6	1267	897	0.05%	0.008%
34	5.087	1225	1243	1264	rBV2	479624	1175986	62.21%	10.382%

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 Title : VOC Analysis

35	5.315	1312	1314	1318	rBV3	1251	653	0.03%	0.006%
36	5.364	1318	1329	1351	rVV3	20818	51533	2.73%	0.455%
37	5.656	1409	1420	1442	rVB	372864	739785	39.14%	6.531%
38	5.855	1480	1482	1485	rVB3	943	398	0.02%	0.004%
39	5.900	1494	1496	1498	rBV3	541	255	0.01%	0.002%
40	6.113	1549	1562	1581	rBV2	273304	549034	29.05%	4.847%
41	6.325	1617	1628	1652	rBV	213486	418156	22.12%	3.692%
42	6.601	1712	1714	1720	rBV6	1195	855	0.05%	0.008%
43	6.785	1769	1771	1775	rVB3	1026	586	0.03%	0.005%
44	6.855	1791	1793	1796	rBV4	1136	581	0.03%	0.005%
45	6.872	1796	1798	1803	rVB4	1501	1185	0.06%	0.010%
46	6.900	1805	1807	1808	rBV2	805	431	0.02%	0.004%
47	6.939	1817	1819	1820	rBV2	620	265	0.01%	0.002%
48	6.987	1832	1834	1835	rBV2	1960	807	0.04%	0.007%
49	7.026	1836	1846	1866	rVB	150085	260389	13.78%	2.299%
50	7.180	1888	1894	1896	rBV5	2877	3050	0.16%	0.027%
51	7.257	1916	1918	1919	rBV2	825	401	0.02%	0.004%
52	7.357	1932	1949	1963	rBV	521623	944121	49.95%	8.335%
53	7.659	2034	2043	2060	rBV	96249	160104	8.47%	1.413%
54	7.926	2124	2126	2128	rBV2	1133	446	0.02%	0.004%
55	7.974	2131	2141	2152	rVV3	15572	36321	1.92%	0.321%
56	8.129	2179	2189	2222	rBV	210163	393729	20.83%	3.476%
57	8.280	2225	2236	2263	rBV	1166684	1890251	100.00%	16.688%
58	8.582	2327	2330	2332	rVB2	1486	823	0.04%	0.007%
59	8.743	2377	2380	2384	rBV5	1901	1222	0.06%	0.011%
60	8.817	2397	2403	2406	rBV7	1553	1694	0.09%	0.015%
61	8.894	2409	2427	2451	rBV	505982	846953	44.81%	7.477%
62	9.058	2474	2478	2484	rBV6	1897	1988	0.11%	0.018%
63	9.521	2613	2622	2638	rBV2	33565	76306	4.04%	0.674%
64	9.749	2686	2693	2703	rVB3	8357	13372	0.71%	0.118%
65	9.849	2716	2724	2738	rBV	58108	92781	4.91%	0.819%
66	10.100	2800	2802	2806	rBV4	981	702	0.04%	0.006%
67	10.209	2834	2836	2839	rBV4	1128	711	0.04%	0.006%
68	10.260	2841	2852	2867	rVB	238111	381175	20.17%	3.365%
69	10.505	2925	2928	2929	rBV3	725	403	0.02%	0.004%
70	10.624	2957	2965	2977	rBV4	9086	14916	0.79%	0.132%
71	10.688	2982	2985	2987	rBV4	636	381	0.02%	0.003%

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Integration Parameters: LSCINT.P

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 Sampling : 1
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72	10.759	3000	3007	3013	rBV2	10464	14429	0.76%	0.127%
73	11.196	3134	3143	3160	rVB4	40808	74669	3.95%	0.659%
74	11.293	3162	3173	3191	rVB	350132	562551	29.76%	4.966%
75	11.669	3278	3290	3303	rBV	318259	522135	27.62%	4.610%
76	11.984	3385	3388	3389	rBV3	1095	596	0.03%	0.005%
77	12.051	3403	3409	3422	rVB8	16512	29359	1.55%	0.259%
78	12.177	3445	3448	3449	rBV3	2114	1302	0.07%	0.011%
79	12.219	3459	3461	3463	rBV3	1227	554	0.03%	0.005%
80	12.293	3475	3484	3498	rVB2	14140	26147	1.38%	0.231%
81	12.392	3504	3515	3528	rBV5	21064	38007	2.01%	0.336%
82	12.620	3583	3586	3590	rBV4	1369	920	0.05%	0.008%
83	12.685	3603	3606	3607	rBV3	1189	602	0.03%	0.005%
84	12.717	3611	3616	3626	rVB6	7765	11842	0.63%	0.105%
85	12.916	3676	3678	3679	rBV	1139	502	0.03%	0.004%
86	13.045	3716	3718	3720	rBV3	1202	551	0.03%	0.005%
87	13.061	3721	3723	3724	rBV2	920	383	0.02%	0.003%
88	13.145	3748	3749	3750	rBV	614	217	0.01%	0.002%
89	13.476	3848	3852	3854	rBV5	2553	2190	0.12%	0.019%
90	13.592	3884	3888	3890	rBV3	1419	1085	0.06%	0.010%
91	13.707	3922	3924	3927	rBV3	1163	739	0.04%	0.007%
92	13.974	4002	4007	4008	rBV5	1348	1071	0.06%	0.009%
93	14.022	4018	4022	4023	rBV4	465	352	0.02%	0.003%
94	14.186	4067	4073	4075	rBV5	1162	1224	0.06%	0.011%
95	14.389	4129	4136	4140	rBV7	3008	3887	0.21%	0.034%
96	14.495	4167	4169	4172	rVB3	1181	573	0.03%	0.005%
97	14.518	4172	4176	4180	rBV7	1397	1156	0.06%	0.010%
98	14.636	4208	4213	4214	rBV4	1576	1220	0.06%	0.011%
99	14.784	4257	4259	4260	rBV	1144	442	0.02%	0.004%
100	15.083	4349	4352	4356	rBV3	1295	776	0.04%	0.007%

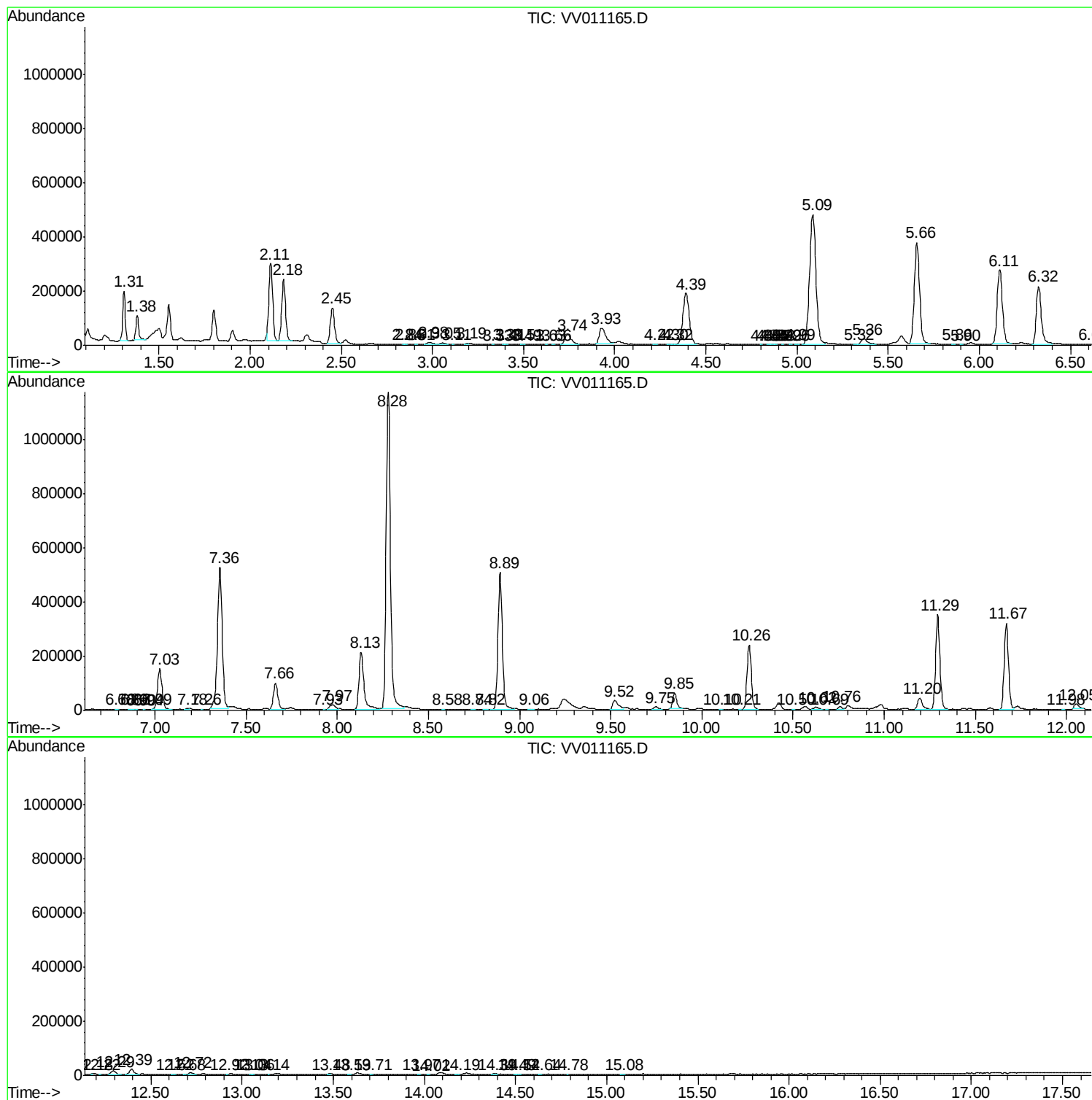
Sum of corrected areas: 11327211

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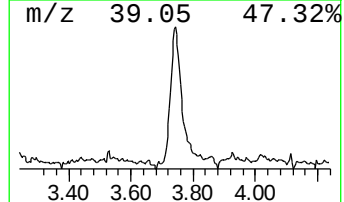
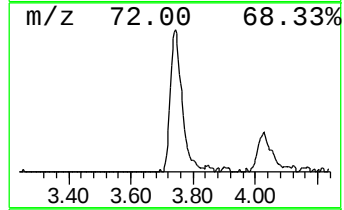
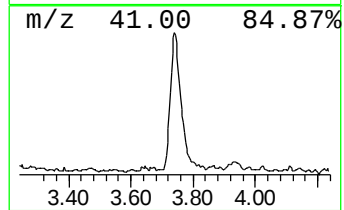
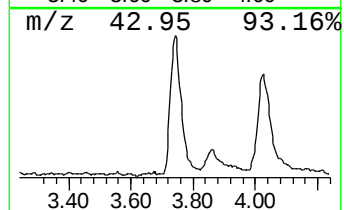
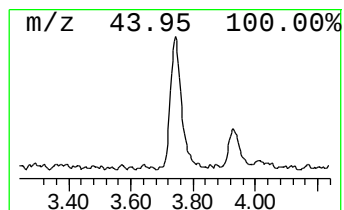
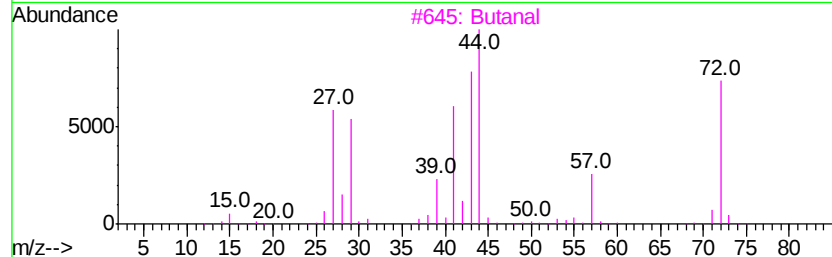
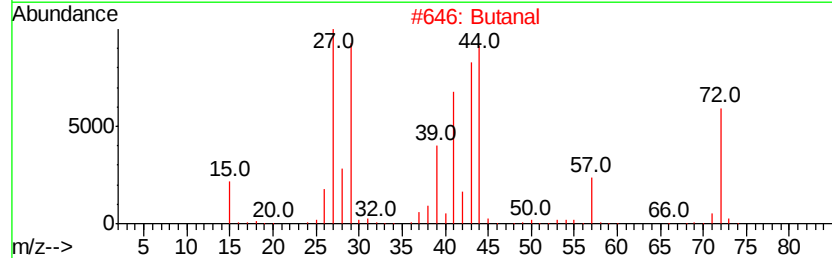
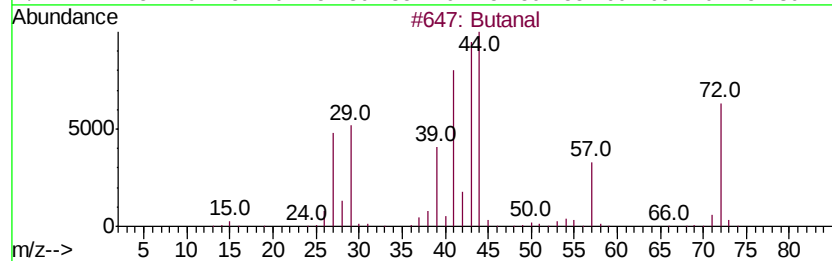
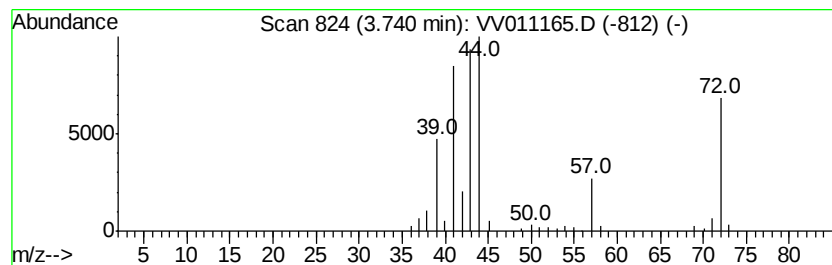
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 2 Butanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	3.11 ug/L	91957	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal	72	C4H8O	000123-72-8	91
2		Butanal	72	C4H8O	000123-72-8	91
3		Butanal	72	C4H8O	000123-72-8	68
4		Butanal	72	C4H8O	000123-72-8	58
5		Ethene, ethoxy-	72	C4H8O	000109-92-2	47



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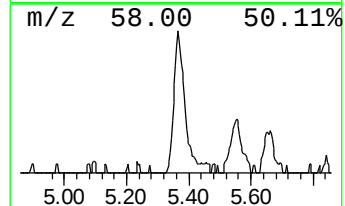
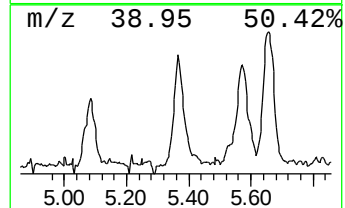
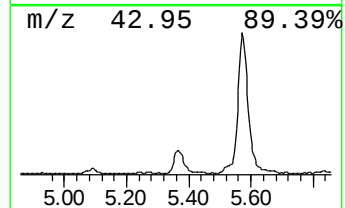
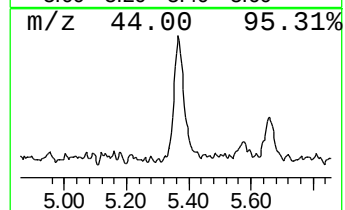
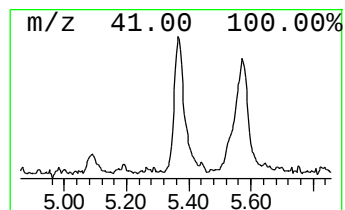
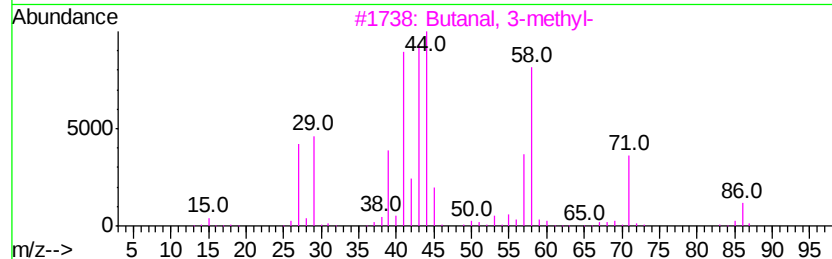
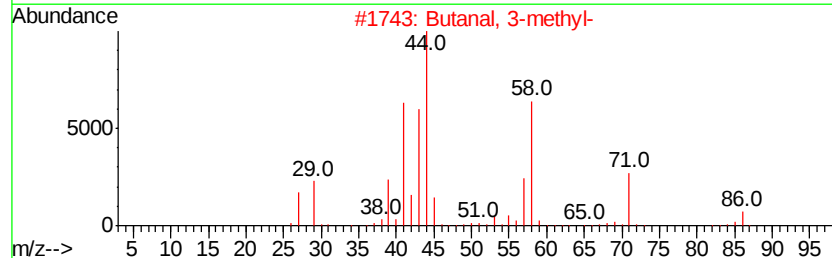
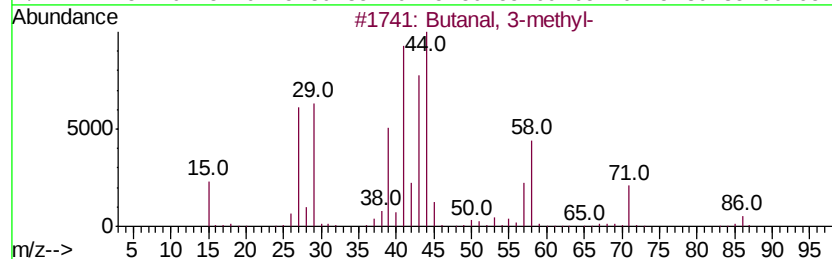
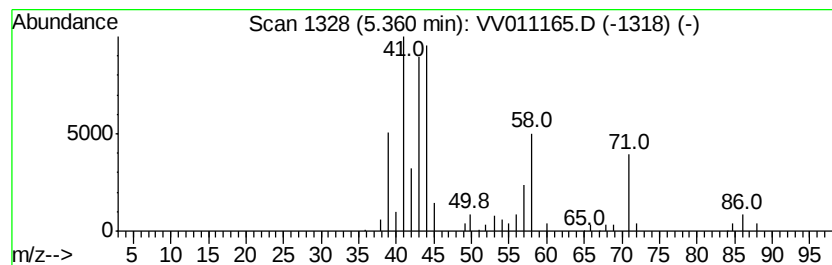
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 3 Butanal, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	1.74 ug/L	51533	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	87
2		Butanal, 3-methyl-	86	C5H10O	000590-86-3	50
3		Butanal, 3-methyl-	86	C5H10O	000590-86-3	38
4		Pentanal	86	C5H10O	000110-62-3	38
5		1-Isopropyldiaziridine	86	C4H10N2	033657-26-0	28



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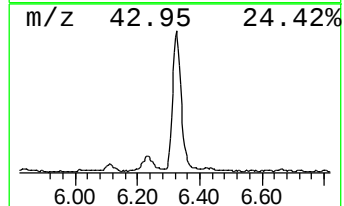
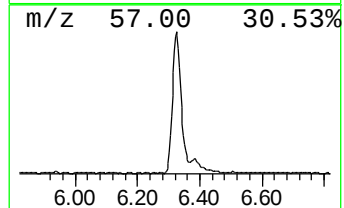
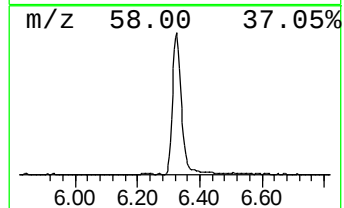
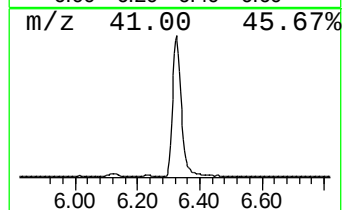
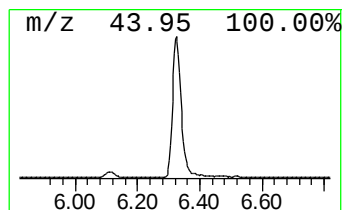
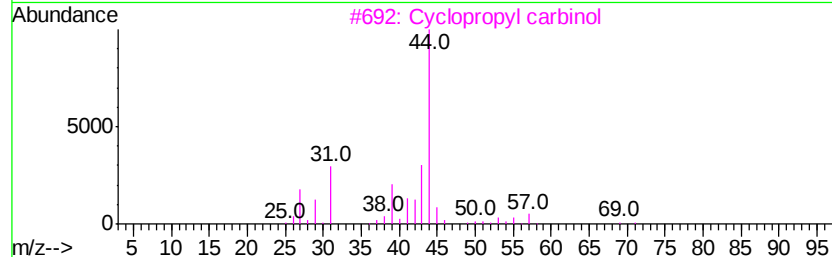
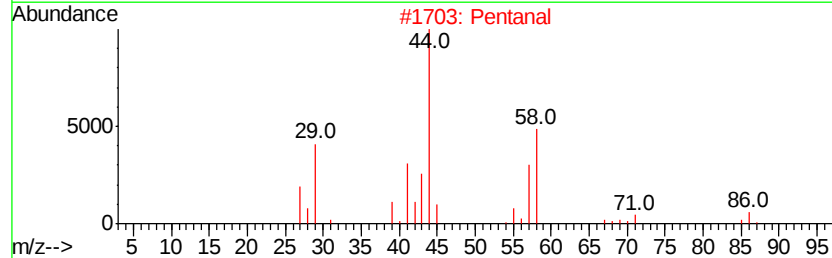
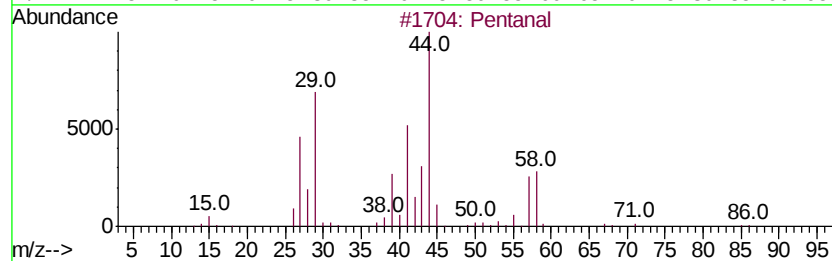
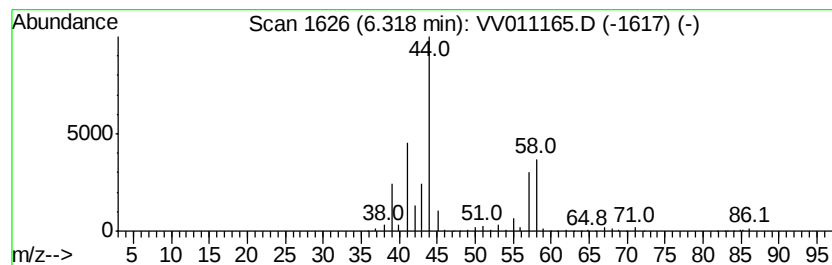
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Pentanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	14.13 ug/L	418156	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	90
2		Pentanal	86	C5H10O	000110-62-3	78
3		Cyclopropyl carbinol	72	C4H8O	002516-33-8	59
4		Pentanal	86	C5H10O	000110-62-3	58
5		Butanal, 3-methyl-	86	C5H10O	000590-86-3	39



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011165.D
Acq On : 31 May 2019 06:37
Operator : SY/MD
Sample : K3017-12RE
Misc : 3.52G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E5RE

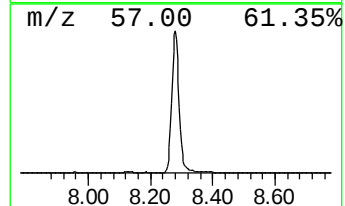
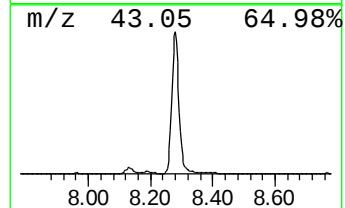
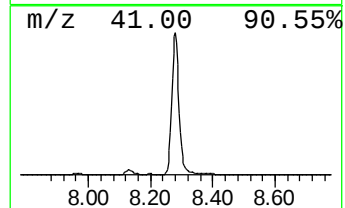
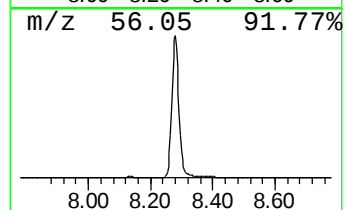
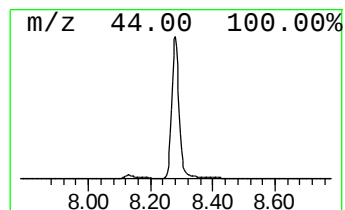
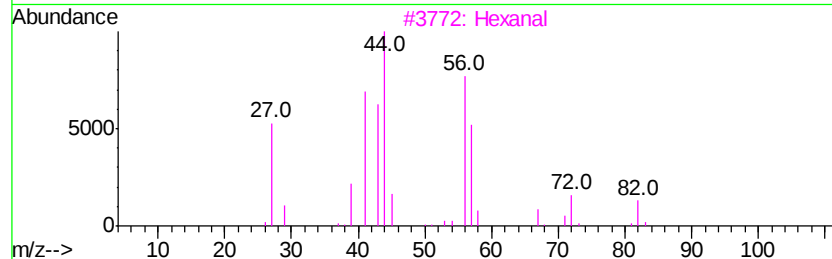
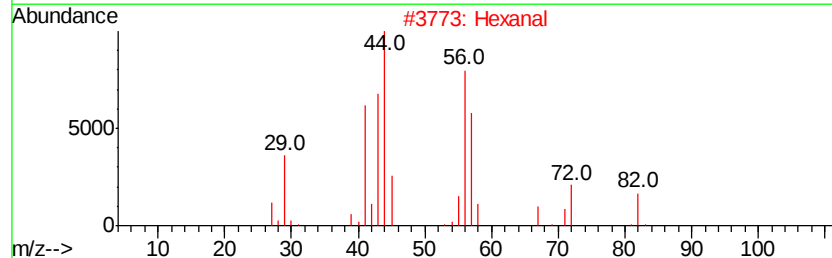
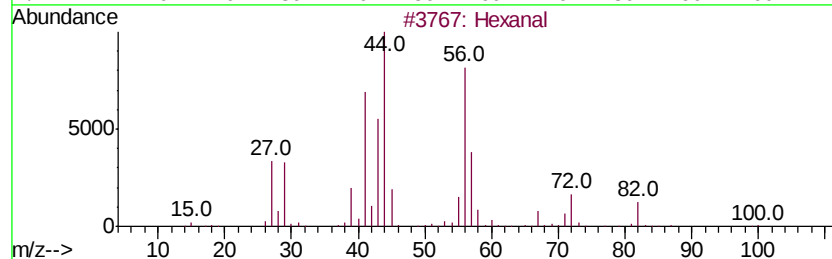
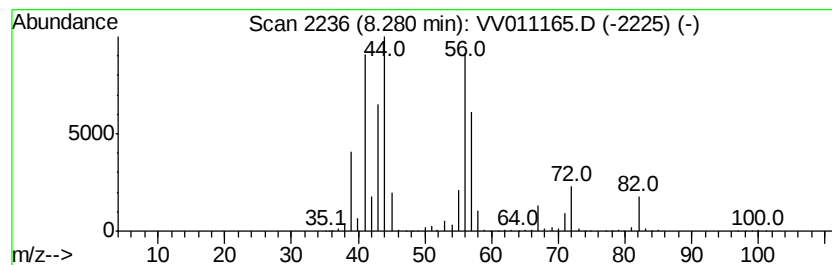
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Quant Title : VOC Analysis

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

Peak Number 6 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	55.80 ug/L	1890250	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	87
2		Hexanal	100	C6H12O	000066-25-1	80
3		Hexanal	100	C6H12O	000066-25-1	80
4		Hexanal	100	C6H12O	000066-25-1	80
5		Glutaraldehyde	100	C5H8O2	000111-30-8	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011165.D
Acq On : 31 May 2019 06:37
Operator : SY/MD
Sample : K3017-12RE
Misc : 3.52G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E5RE

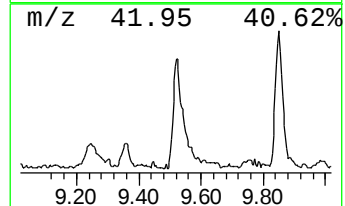
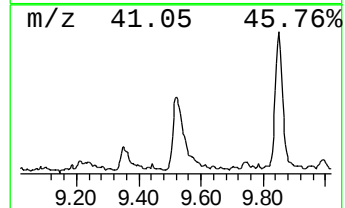
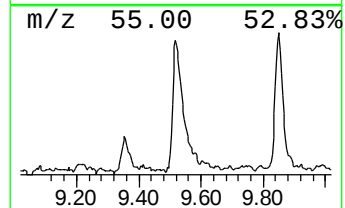
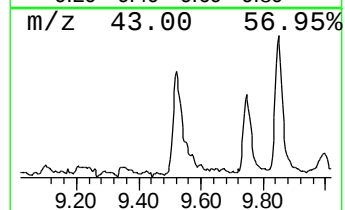
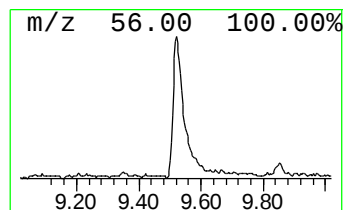
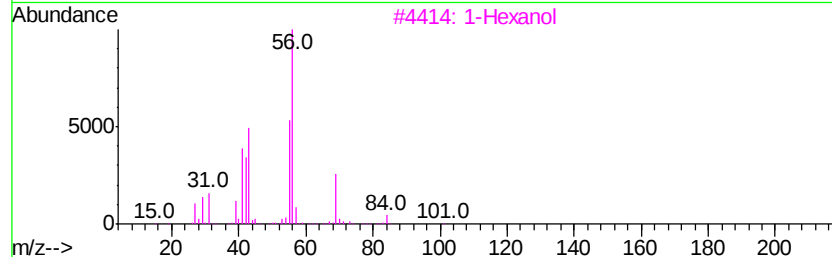
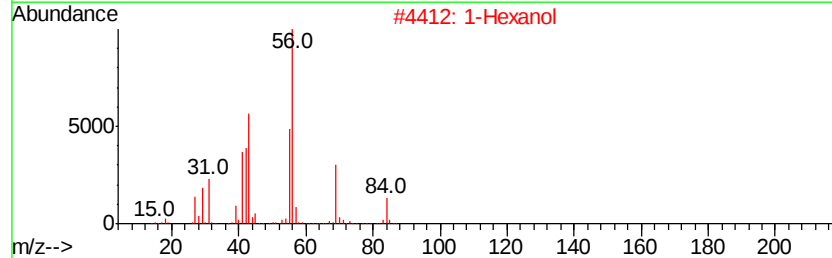
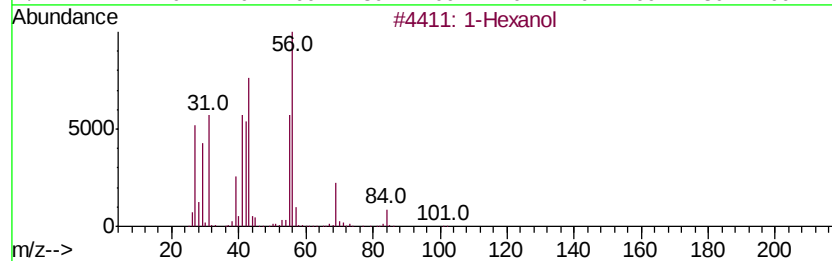
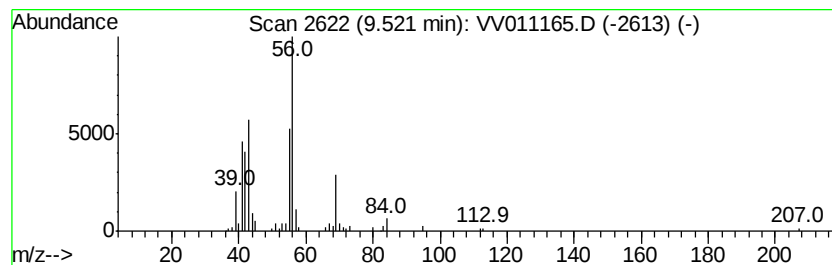
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Quant Title : VOC Analysis

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

Peak Number 7 1-Hexanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	2.25 ug/L	76306	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol		102	C6H14O	000111-27-3	78
2	1-Hexanol		102	C6H14O	000111-27-3	72
3	1-Hexanol		102	C6H14O	000111-27-3	72
4	Cyclopropane, propyl-		84	C6H12	002415-72-7	64
5	Hexyl chloroformate		164	C7H13ClO2	006092-54-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011165.D
Acq On : 31 May 2019 06:37
Operator : SY/MD
Sample : K3017-12RE
Misc : 3.52G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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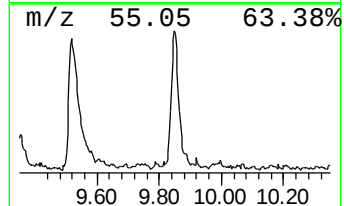
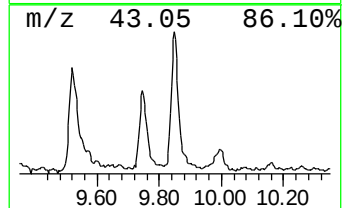
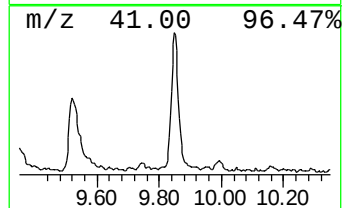
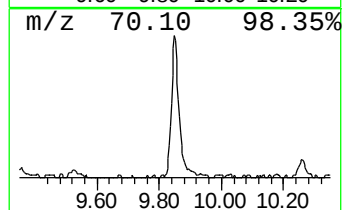
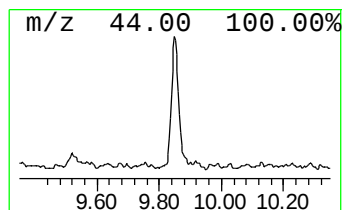
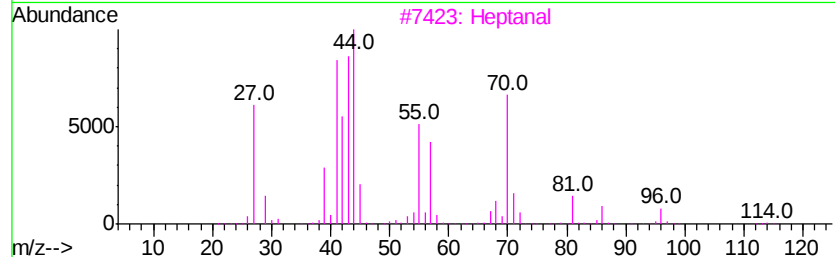
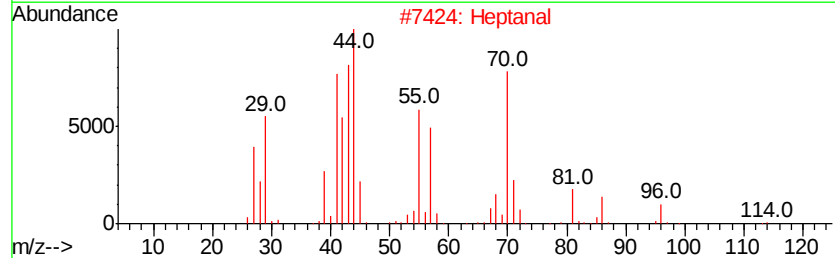
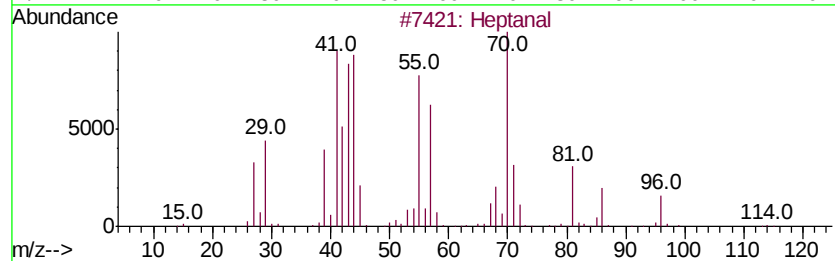
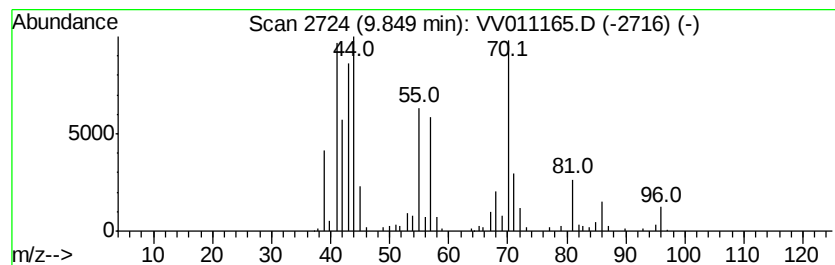
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Quant Title : VOC Analysis

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

Peak Number 8 Heptanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.74 ug/L	92781	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanal	114	C7H14O	000111-71-7	91
2		Heptanal	114	C7H14O	000111-71-7	83
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:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011165.D
Acq On : 31 May 2019 06:37
Operator : SY/MD
Sample : K3017-12RE
Misc : 3.52G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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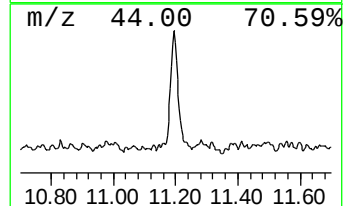
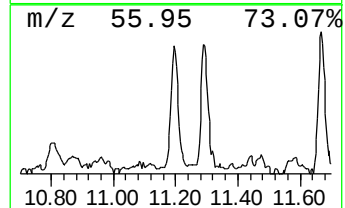
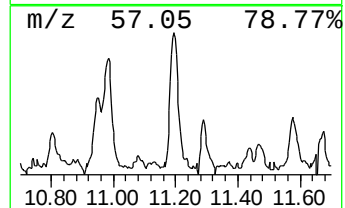
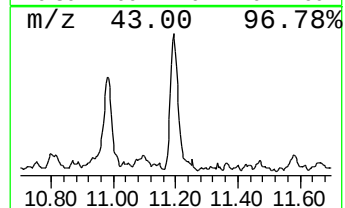
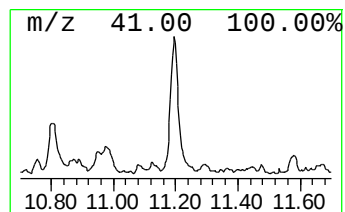
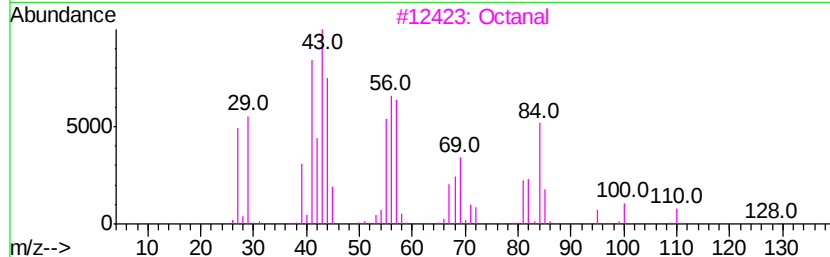
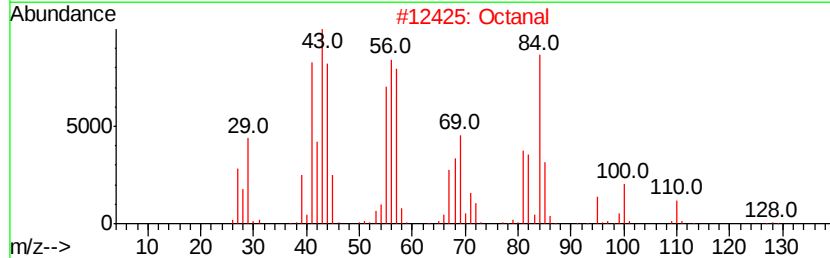
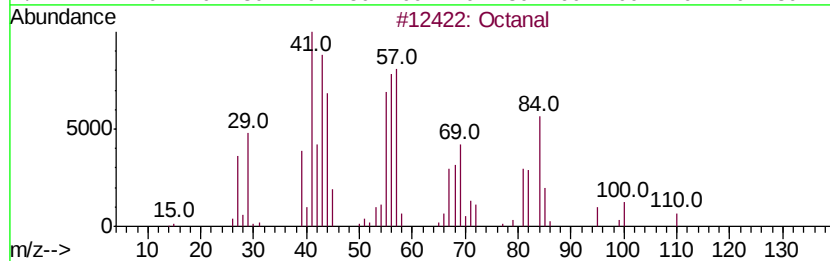
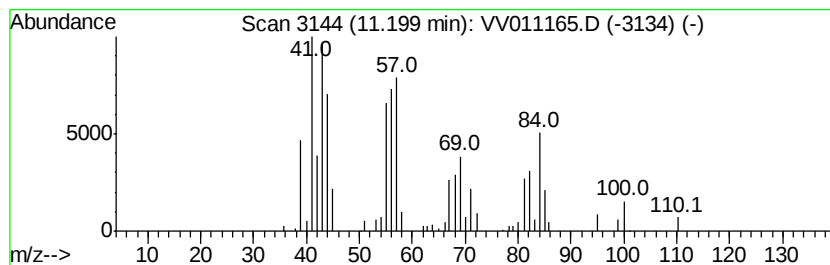
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Quant Title : VOC Analysis

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

Peak Number 9 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	3.32 ug/L	74669	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octanal	128	C8H16O	000124-13-0	87
2		Octanal	128	C8H16O	000124-13-0	87
3		Octanal	128	C8H16O	000124-13-0	86
4		Octanal	128	C8H16O	000124-13-0	72
5		Octanal	128	C8H16O	000124-13-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011165.D
Acq On : 31 May 2019 06:37
Operator : SY/MD
Sample : K3017-12RE
Misc : 3.52G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E5RE

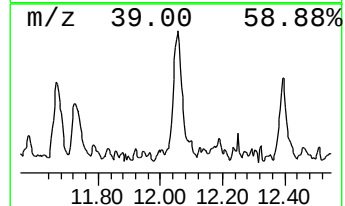
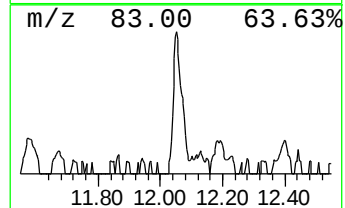
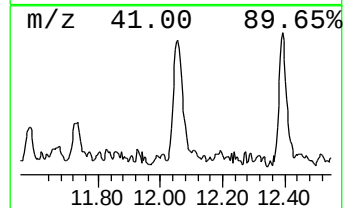
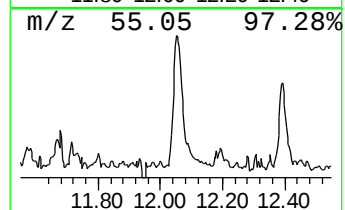
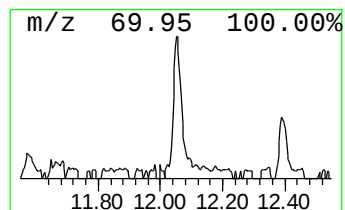
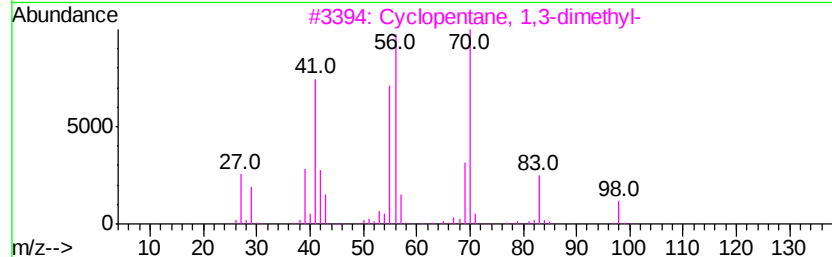
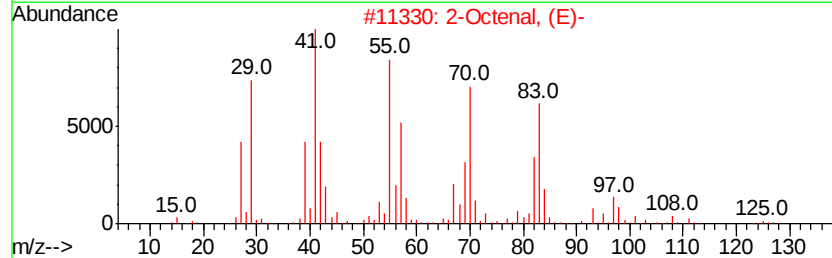
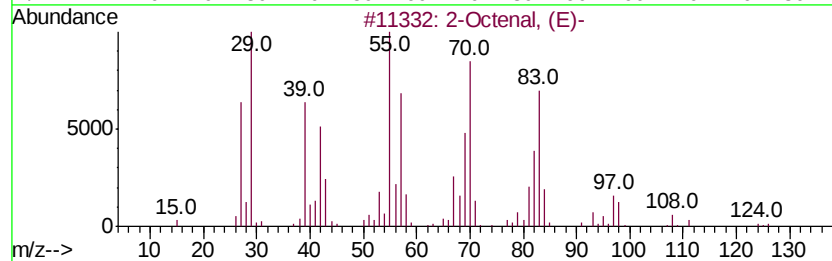
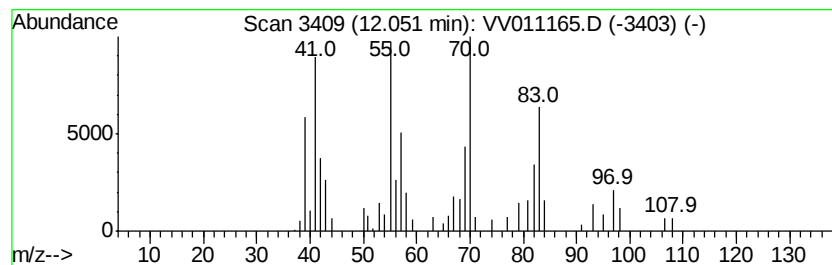
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Quant Title : VOC Analysis

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

Peak Number 10 2-Octenal, (E)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	1.30 ug/L	29359	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octenal, (E)-	126	C8H14O	002548-87-0	53
2			2-Octenal, (E)-	126	C8H14O	002548-87-0	50
3			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	49
4			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	46
5			Butane, 2-cyclopropyl-	98	C7H14	005750-02-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011165.D
Acq On : 31 May 2019 06:37
Operator : SY/MD
Sample : K3017-12RE
Misc : 3.52G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

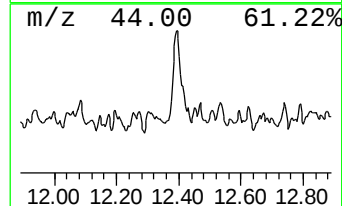
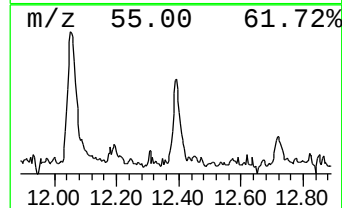
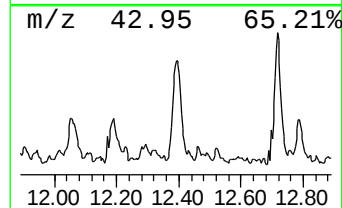
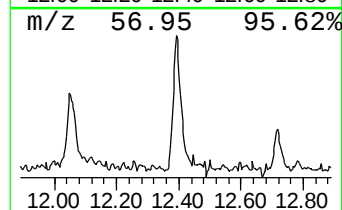
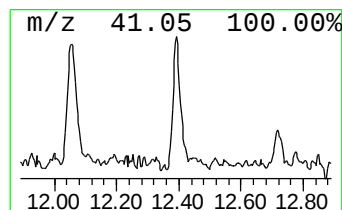
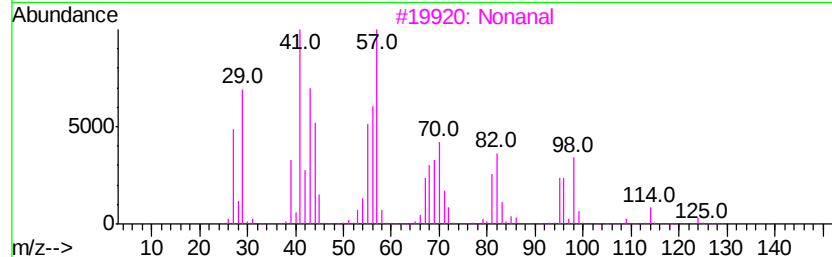
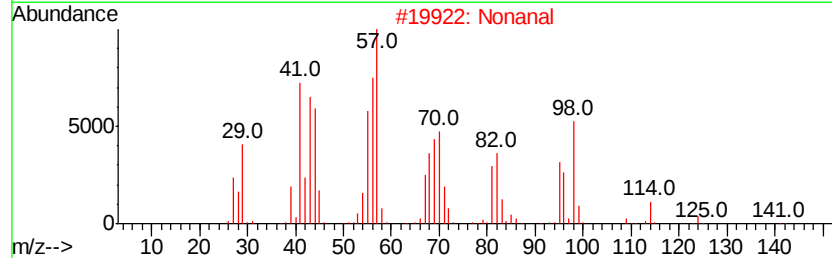
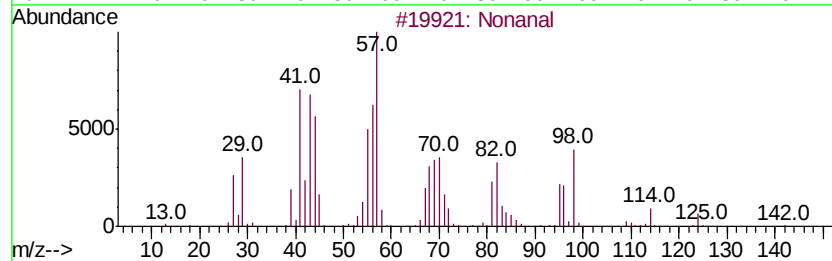
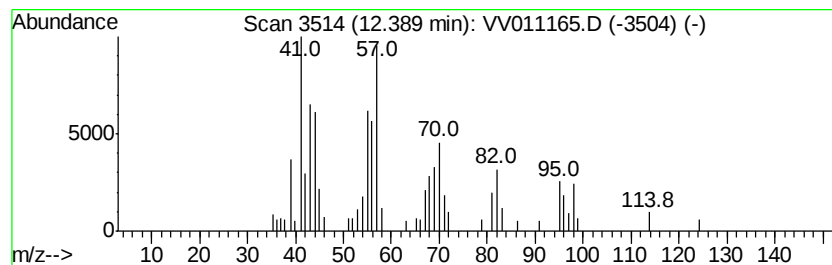
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 11 Nonanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	1.69 ug/L	38007	1,4-Dichlorobenzene-d4	11.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonanal		142 C9H18O	000124-19-6 64
2	Nonanal		142 C9H18O	000124-19-6 64
3	Nonanal		142 C9H18O	000124-19-6 64
4	1-Nonanol		144 C9H20O	000143-08-8 38
5	4-Hydroxy-N-methylpiperidine		115 C6H13NO	000106-52-5 35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053019\
Data File : VV011165.D
Acq On : 31 May 2019 06:37
Operator : SY/MD
Sample : K3017-12RE
Misc : 3.52G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E5RE

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butanal	3.74	3.1	ug/L	91957	1	5.66	739785	25.0
Butanal, 3-methyl-	5.36	1.7	ug/L	51533	1	5.66	739785	25.0
Pentanal	6.32	14.1	ug/L	418156	1	5.66	739785	25.0
Hexanal	8.28	55.8	ug/L	1890250	2	8.89	846953	25.0
1-Hexanol	9.52	2.3	ug/L	76306	2	8.89	846953	25.0
Heptanal	9.85	2.7	ug/L	92781	2	8.89	846953	25.0
Octanal	11.20	3.3	ug/L	74669	3	11.29	562551	25.0
2-Octenal, (E)-	12.05	1.3	ug/L	29359	3	11.29	562551	25.0
Nonanal	12.39	1.7	ug/L	38007	3	11.29	562551	25.0