

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011072.D
 Acq On : 28 May 2019 19:23
 Operator : SY/MD
 Sample : K3017-02
 Misc : 4.92G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51G3

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	80	rVB	277345	255704	7.69%	1.417%
2	1.386	88	92	102	rVB	34408	33810	1.02%	0.187%
3	1.566	141	148	155	rVB	176875	201727	6.07%	1.118%
4	2.119	311	320	332	rVB	425422	601289	18.08%	3.331%
5	3.376	707	711	714	rBV5	1677	1481	0.04%	0.008%
6	3.749	814	827	850	rBV2	23028	61203	1.84%	0.339%
7	3.884	866	869	872	rBV5	1474	1170	0.04%	0.006%
8	3.936	874	885	907	rVV	80405	202419	6.09%	1.121%
9	4.154	950	953	959	rVB7	2054	1906	0.06%	0.011%
10	4.396	1012	1028	1053	rVB	301415	720584	21.67%	3.992%
11	4.978	1206	1209	1214	rVB7	1687	1556	0.05%	0.009%
12	5.003	1214	1217	1221	rVB5	1600	902	0.03%	0.005%
13	5.090	1226	1244	1274	rBV2	764911	1866247	56.11%	10.339%
14	5.341	1319	1322	1324	rBV3	1437	896	0.03%	0.005%
15	5.373	1327	1332	1344	rVB3	5248	9553	0.29%	0.053%
16	5.508	1366	1374	1375	rBV8	1773	1532	0.05%	0.008%
17	5.527	1375	1380	1383	rVV5	4146	4612	0.14%	0.026%
18	5.576	1387	1395	1408	rVV2	17827	38940	1.17%	0.216%
19	5.659	1408	1421	1466	rVB	553767	1134010	34.10%	6.283%
20	5.936	1503	1507	1508	rBV3	2423	1743	0.05%	0.010%
21	6.113	1546	1562	1583	rBV	428748	879055	26.43%	4.870%
22	6.328	1618	1629	1651	rBV	176726	338560	10.18%	1.876%
23	6.608	1713	1716	1720	rBV6	1018	923	0.03%	0.005%
24	6.640	1720	1726	1728	rBV7	2487	2285	0.07%	0.013%
25	6.701	1742	1745	1747	rBV4	2316	1744	0.05%	0.010%
26	6.752	1758	1761	1764	rBV5	1413	1009	0.03%	0.006%
27	6.768	1764	1766	1770	rVB4	1601	894	0.03%	0.005%
28	6.894	1803	1805	1810	rVB4	1354	1193	0.04%	0.007%
29	7.026	1830	1846	1861	rBV	268862	475002	14.28%	2.632%
30	7.357	1933	1949	1982	rBV	855595	1586202	47.69%	8.788%
31	7.608	2021	2027	2032	rVV7	5009	7179	0.22%	0.040%
32	7.662	2033	2044	2064	rVV	180058	297506	8.95%	1.648%
33	7.756	2064	2073	2078	rVB	4126	7515	0.23%	0.042%
34	7.977	2131	2142	2158	rVV3	11934	25845	0.78%	0.143%

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 Title : VOC Analysis

35	8.064	2166	2169	2177	rVB10	1491	2056	0.06%	0.011%
36	8.132	2177	2190	2205	rBV	307910	540049	16.24%	2.992%
37	8.280	2224	2236	2269	rBV	2038216	3325834	100.00%	18.426%
38	8.788	2388	2394	2398	rVB8	1725	1692	0.05%	0.009%
39	8.894	2413	2427	2456	rBV	832670	1396128	41.98%	7.735%
40	9.067	2479	2481	2485	rVB5	2632	1539	0.05%	0.009%
41	9.161	2506	2510	2511	rBV3	1399	925	0.03%	0.005%
42	9.173	2511	2514	2516	rBV3	3222	2416	0.07%	0.013%
43	9.267	2534	2543	2546	rBV9	8803	14161	0.43%	0.078%
44	9.360	2565	2572	2579	rVB6	7516	11531	0.35%	0.064%
45	9.463	2602	2604	2608	rVB3	2271	1249	0.04%	0.007%
46	9.530	2618	2625	2629	rBV8	5462	7461	0.22%	0.041%
47	9.656	2662	2664	2669	rVB5	1838	1328	0.04%	0.007%
48	9.694	2671	2676	2678	rBV5	1451	964	0.03%	0.005%
49	9.714	2678	2682	2684	rVB4	1328	951	0.03%	0.005%
50	9.739	2684	2690	2692	rBV7	3723	3469	0.10%	0.019%
51	9.849	2715	2724	2737	rBV	82729	133628	4.02%	0.740%
52	9.987	2763	2767	2777	rVB7	4502	6801	0.20%	0.038%
53	10.119	2804	2808	2811	rBV5	1520	1309	0.04%	0.007%
54	10.209	2829	2836	2837	rBV6	2402	2302	0.07%	0.013%
55	10.260	2840	2852	2868	rVV	396823	620325	18.65%	3.437%
56	10.376	2880	2888	2889	rBV7	2146	2108	0.06%	0.012%
57	10.424	2894	2903	2915	rVB	19161	35456	1.07%	0.196%
58	10.501	2925	2927	2929	rVV3	1864	999	0.03%	0.006%
59	10.514	2929	2931	2934	rVB4	2210	1265	0.04%	0.007%
60	10.566	2935	2947	2957	rBV5	11578	23636	0.71%	0.131%
61	10.624	2957	2965	2974	rBV6	7604	12121	0.36%	0.067%
62	10.759	2998	3007	3014	rVV2	19459	31472	0.95%	0.174%
63	10.804	3016	3021	3035	rVB7	13451	25216	0.76%	0.140%
64	10.871	3037	3042	3047	rBV8	2415	2945	0.09%	0.016%
65	10.952	3057	3067	3070	rBV4	7172	11671	0.35%	0.065%
66	11.054	3096	3099	3101	rBV3	1673	1259	0.04%	0.007%
67	11.193	3133	3142	3160	rBV	73904	123429	3.71%	0.684%
68	11.296	3161	3174	3193	rVB	782981	1261831	37.94%	6.991%
69	11.579	3251	3262	3271	rBV2	18882	34213	1.03%	0.190%
70	11.672	3277	3291	3305	rBV	764844	1237182	37.20%	6.854%
71	11.816	3332	3336	3337	rBV3	2174	1467	0.04%	0.008%

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72	11.884	3355	3357	3363	rVB7	1296	1029	0.03%	0.006%
73	11.990	3384	3390	3392	rBV5	2949	3208	0.10%	0.018%
74	12.054	3400	3410	3424	rBV3	35931	63209	1.90%	0.350%
75	12.186	3449	3451	3456	rVB6	1793	1196	0.04%	0.007%
76	12.292	3477	3484	3496	rBV	12674	20295	0.61%	0.112%
77	12.392	3503	3515	3528	rBV	73875	117685	3.54%	0.652%
78	12.463	3534	3537	3542	rVB6	1870	1434	0.04%	0.008%
79	12.607	3578	3582	3584	rBV4	1737	1293	0.04%	0.007%
80	12.636	3589	3591	3596	rVB5	1485	1028	0.03%	0.006%
81	12.717	3607	3616	3627	rVB	29460	47314	1.42%	0.262%
82	12.788	3628	3638	3643	rBV10	3575	6807	0.20%	0.038%
83	12.932	3675	3683	3687	rBV9	3227	4337	0.13%	0.024%
84	12.996	3696	3703	3704	rBV5	3551	3149	0.09%	0.017%
85	13.151	3749	3751	3754	rVV3	1636	1299	0.04%	0.007%
86	13.186	3755	3762	3777	rVB10	9572	18349	0.55%	0.102%
87	13.308	3795	3800	3813	rBV10	2861	4969	0.15%	0.028%
88	13.482	3846	3854	3868	rBV9	11615	20168	0.61%	0.112%
89	13.553	3871	3876	3887	rVB9	4788	7736	0.23%	0.043%
90	13.633	3892	3901	3909	rBV2	17354	25519	0.77%	0.141%
91	13.781	3945	3947	3949	rVV3	1709	966	0.03%	0.005%
92	13.794	3949	3951	3956	rVB6	2329	1978	0.06%	0.011%
93	14.093	4039	4044	4054	rVB2	5152	7768	0.23%	0.043%
94	14.228	4077	4086	4096	rBV10	14381	23983	0.72%	0.133%
95	14.376	4126	4132	4142	rBV7	6178	9024	0.27%	0.050%
96	14.459	4153	4158	4165	rBV10	2019	2945	0.09%	0.016%
97	14.591	4197	4199	4201	rBV3	2111	1086	0.03%	0.006%
98	15.070	4346	4348	4352	rBV5	1248	1097	0.03%	0.006%
99	15.131	4364	4367	4370	rBV4	1349	1093	0.03%	0.006%
100	15.170	4376	4379	4382	rBV4	1502	1254	0.04%	0.007%

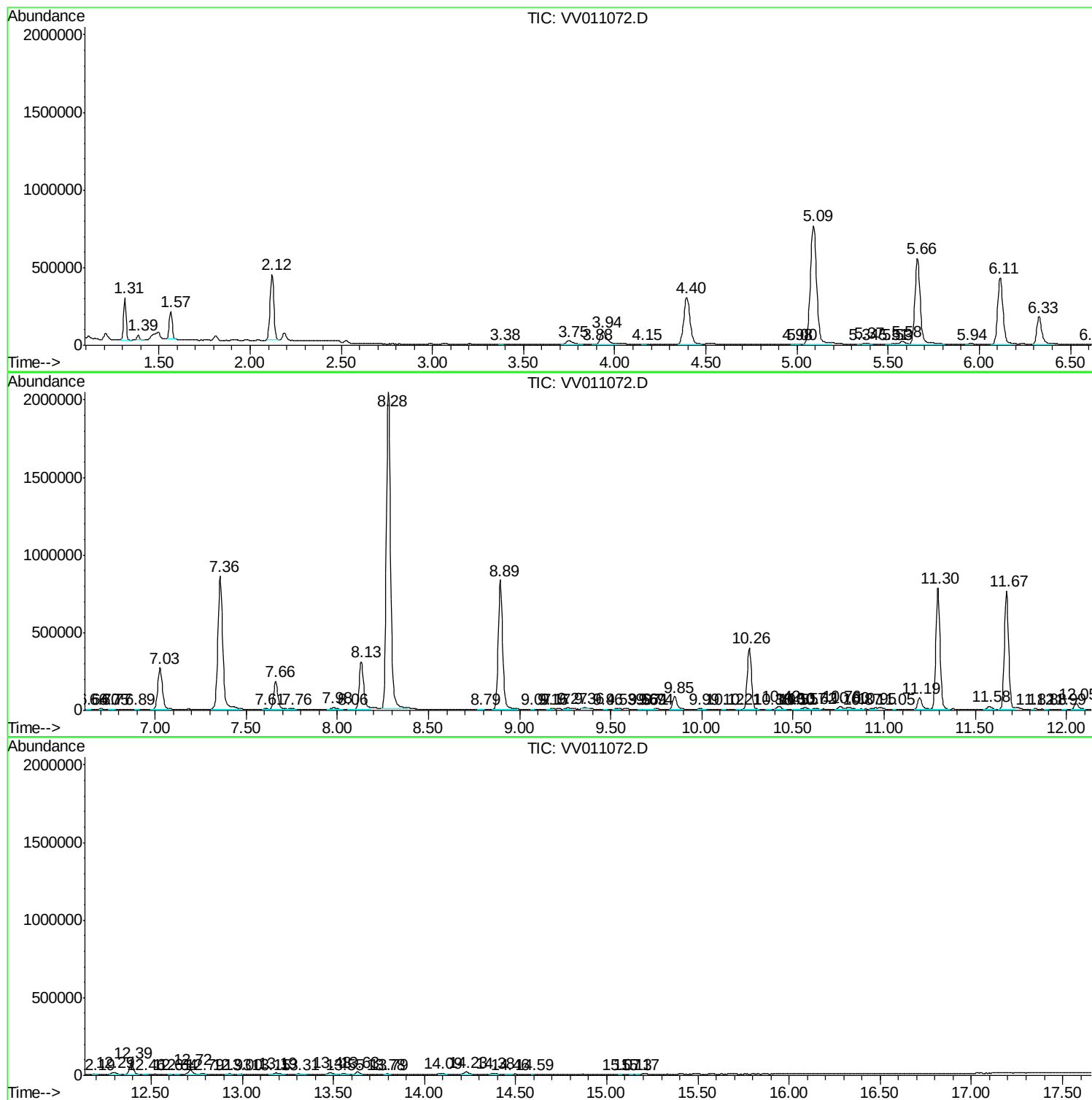
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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



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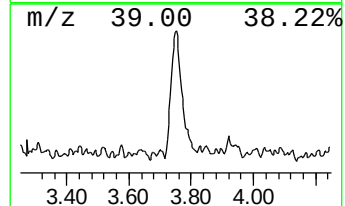
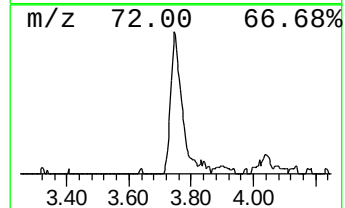
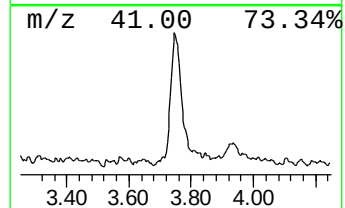
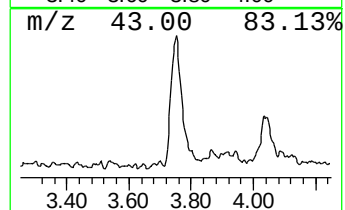
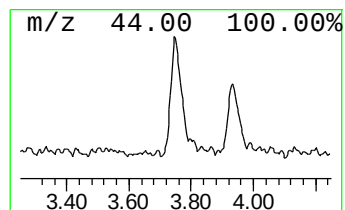
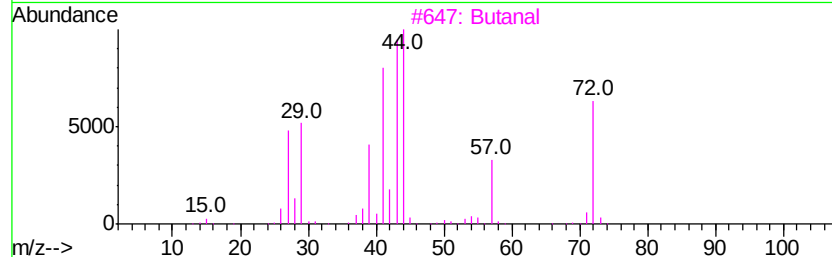
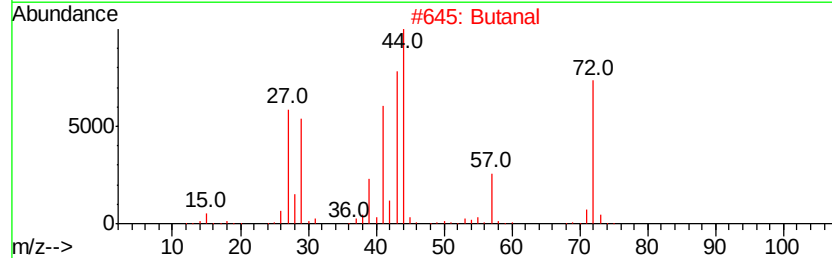
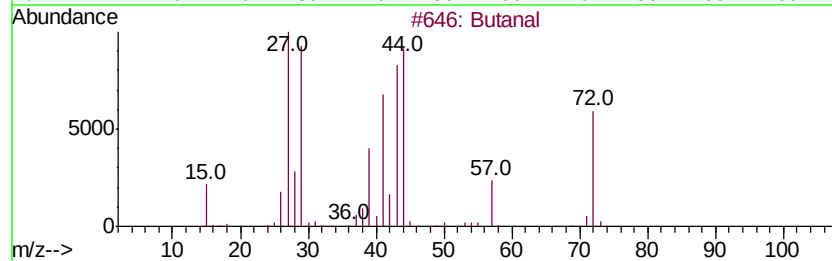
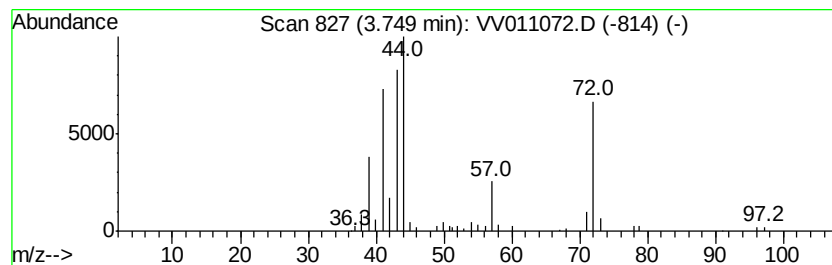
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 1 Butanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	1.35 ug/L	61203	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal			72	C4H8O	000123-72-8	91
2	Butanal			72	C4H8O	000123-72-8	81
3	Butanal			72	C4H8O	000123-72-8	80
4	Butanal			72	C4H8O	000123-72-8	74
5	Propanal, 2-methyl-			72	C4H8O	000078-84-2	38



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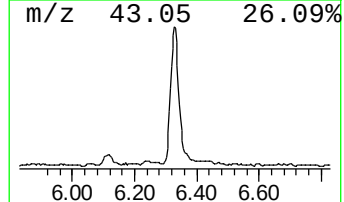
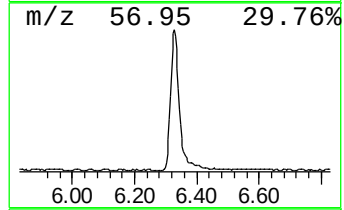
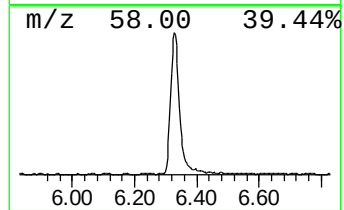
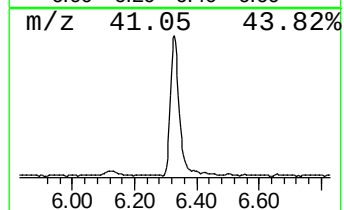
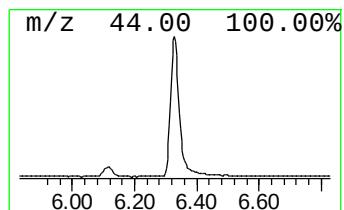
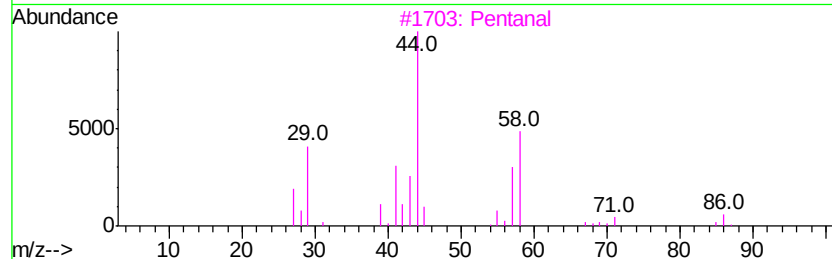
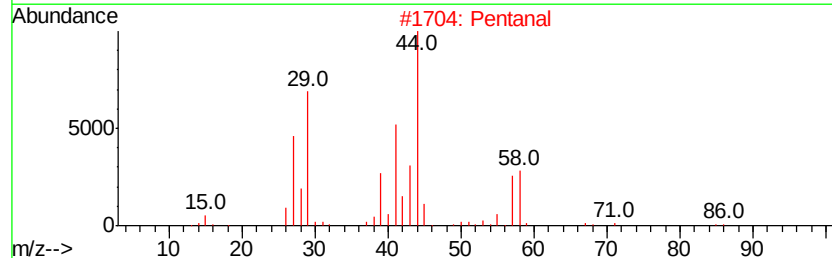
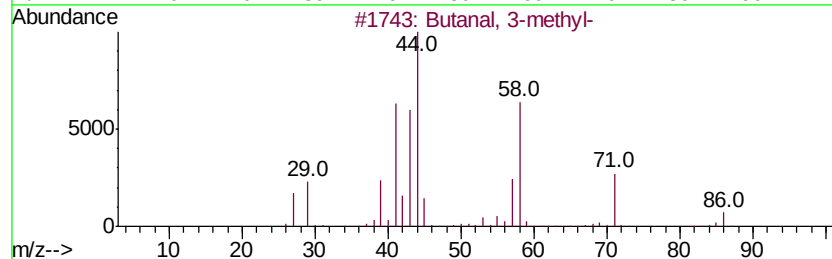
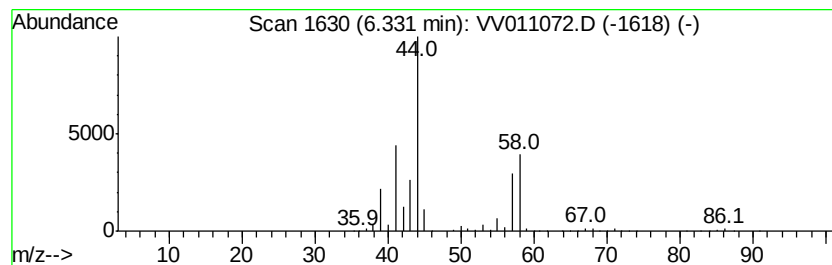
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Butanal, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	7.46 ug/L	338560	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	83
2		Pentanal	86	C5H10O	000110-62-3	80
3		Pentanal	86	C5H10O	000110-62-3	64
4		Pentanal	86	C5H10O	000110-62-3	64
5		Cyclopropyl carbinol	72	C4H8O	002516-33-8	50



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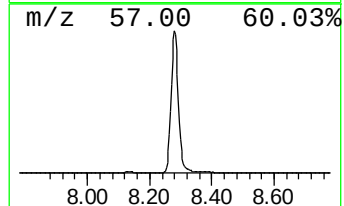
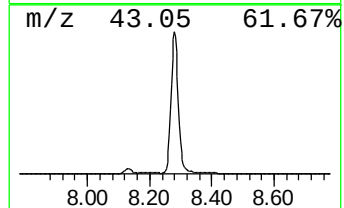
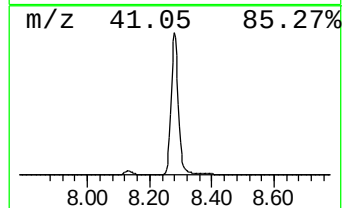
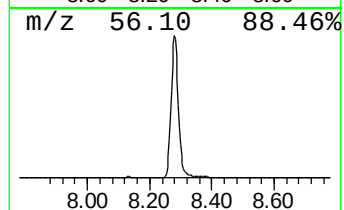
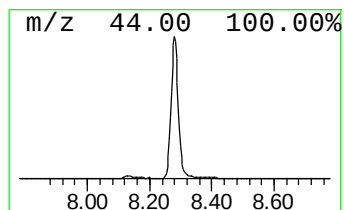
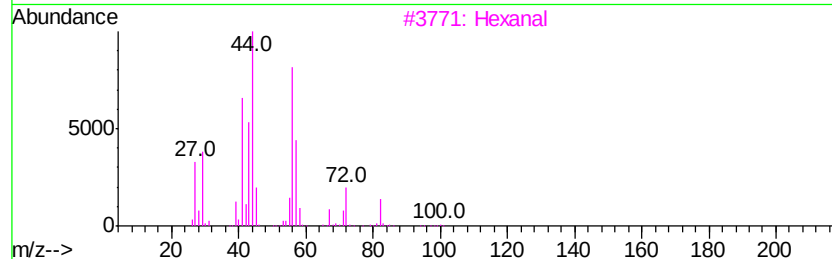
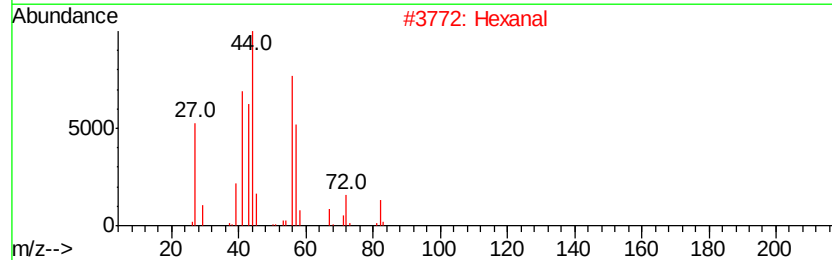
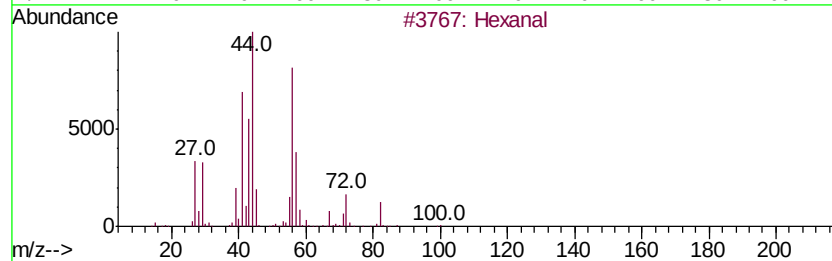
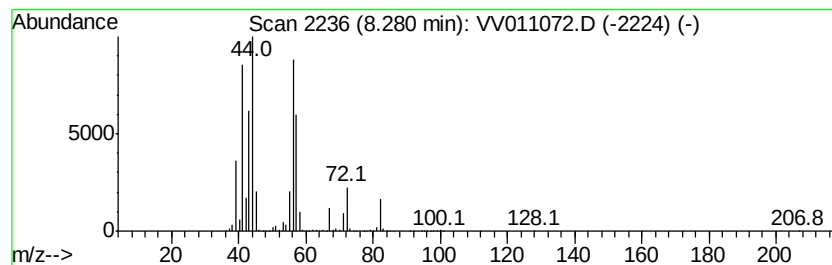
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	59.55 ug/L	3325830	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	91
2		Hexanal	100	C6H12O	000066-25-1	90
3		Hexanal	100	C6H12O	000066-25-1	90
4		Hexanal	100	C6H12O	000066-25-1	90
5		Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	36



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011072.D
Acq On : 28 May 2019 19:23
Operator : SY/MD
Sample : K3017-02
Misc : 4.92G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51G3

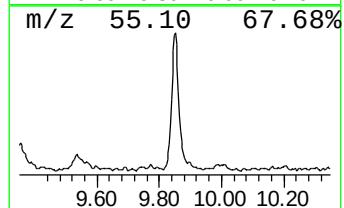
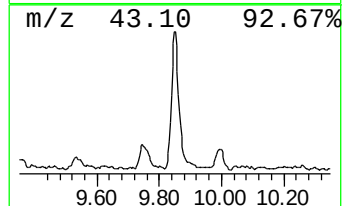
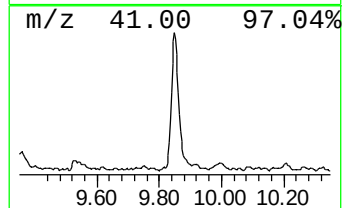
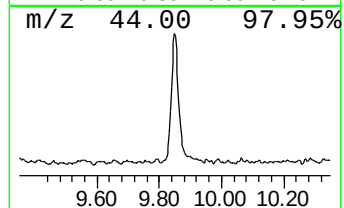
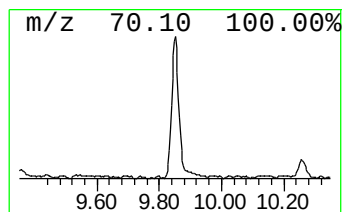
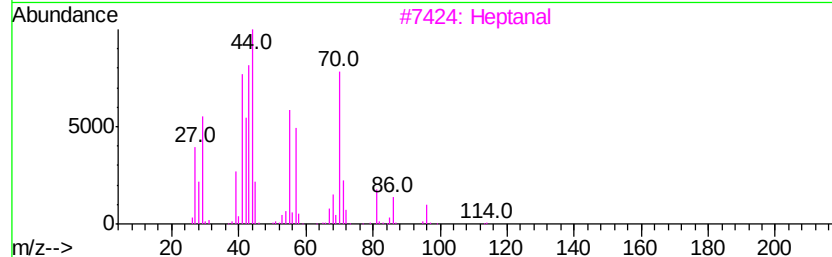
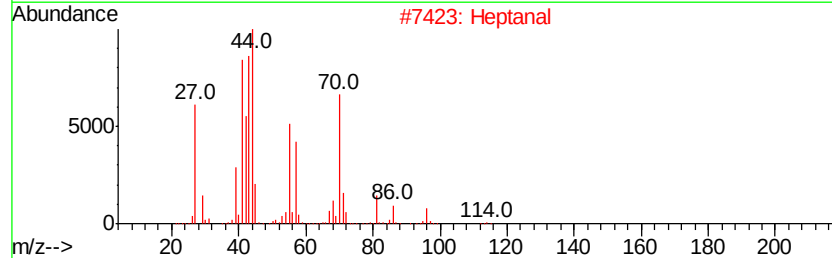
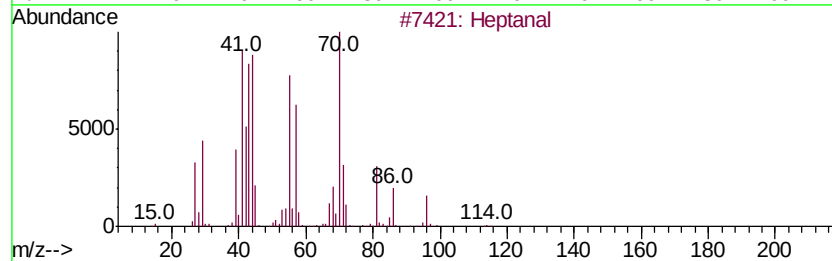
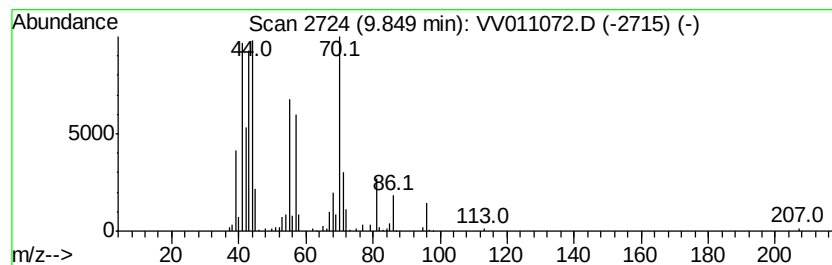
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Quant Title : VOC Analysis

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

Peak Number 5 Heptanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.39 ug/L	133628	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	90
3		Heptanal	114	C7H14O	000111-71-7	90
4		Heptanal	114	C7H14O	000111-71-7	90
5		Heptanal	114	C7H14O	000111-71-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011072.D
Acq On : 28 May 2019 19:23
Operator : SY/MD
Sample : K3017-02
Misc : 4.92G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

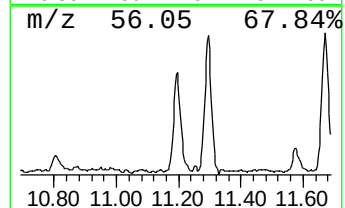
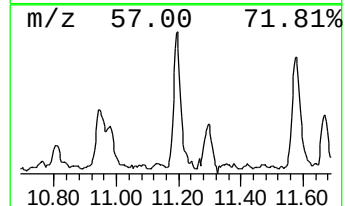
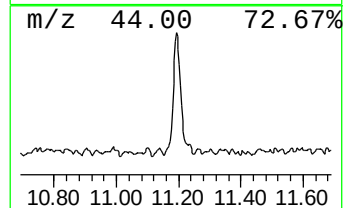
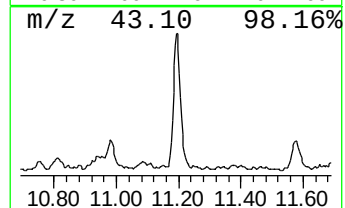
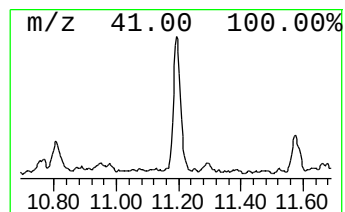
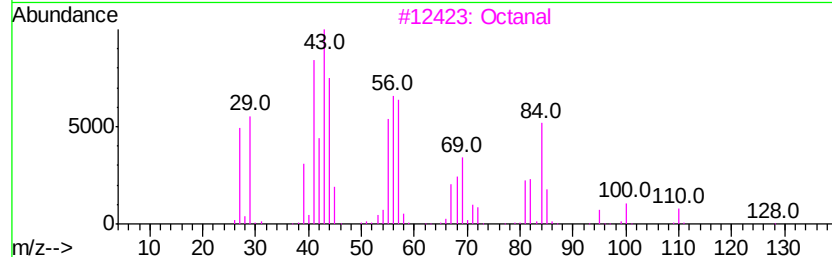
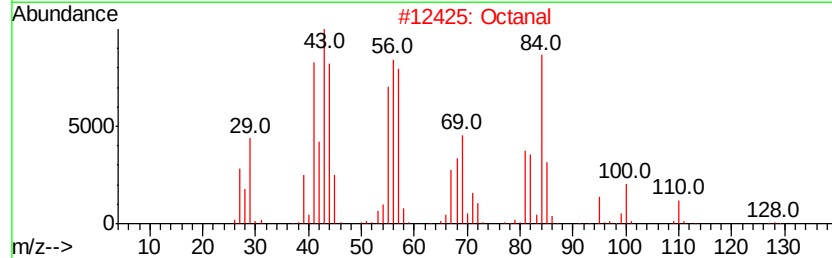
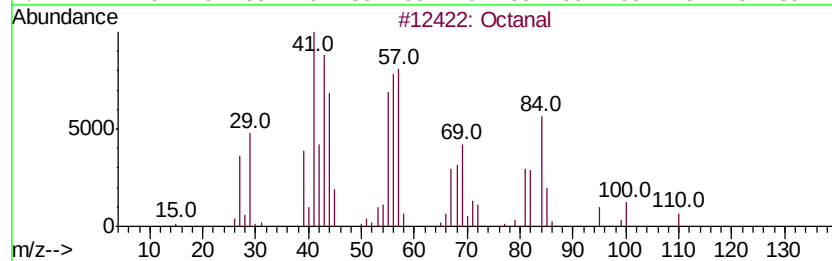
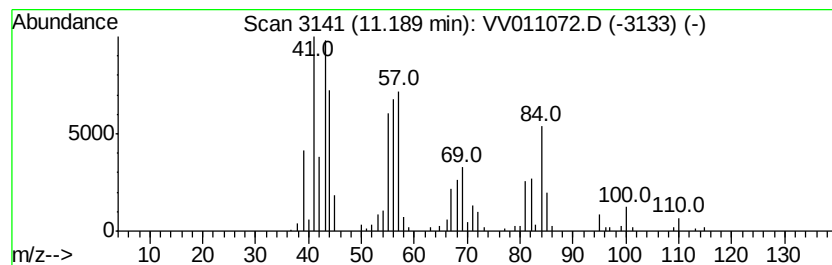
Instrument :
MSVOA_V
ClientSampleId :
A51G3

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 6 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.45 ug/L	123429	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octanal		128 C8H16O	000124-13-0 91
2	Octanal		128 C8H16O	000124-13-0 91
3	Octanal		128 C8H16O	000124-13-0 91
4	Octanal		128 C8H16O	000124-13-0 87
5	Octanal		128 C8H16O	000124-13-0 72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011072.D
Acq On : 28 May 2019 19:23
Operator : SY/MD
Sample : K3017-02
Misc : 4.92G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

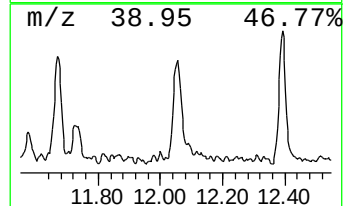
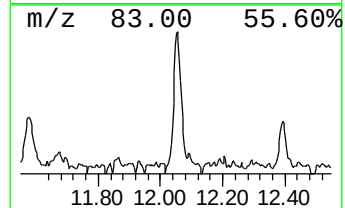
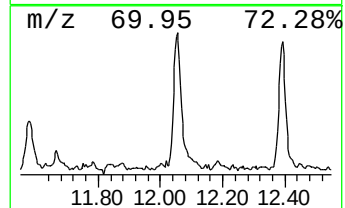
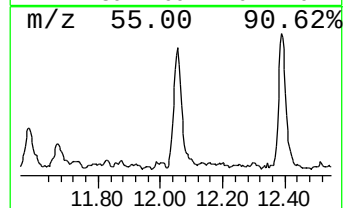
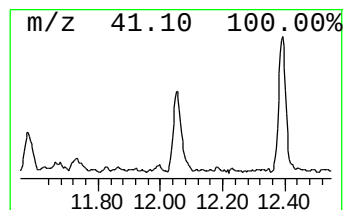
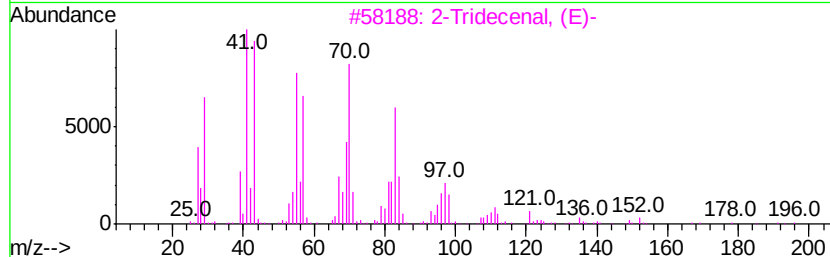
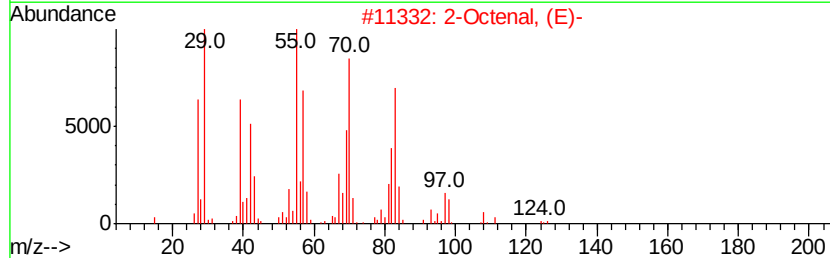
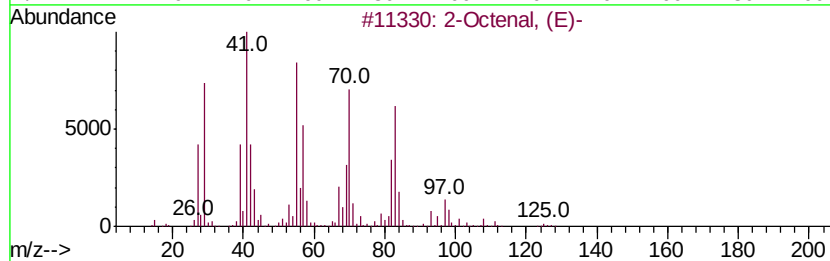
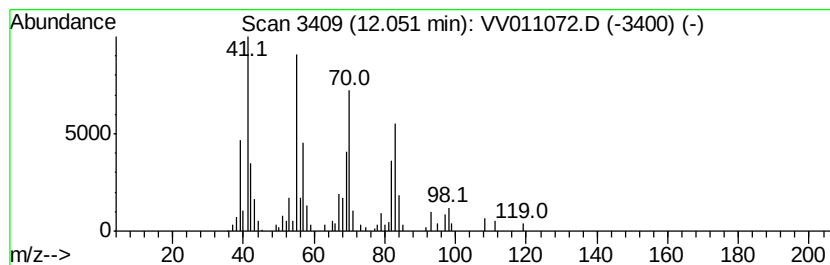
Instrument :
MSVOA_V
ClientSampleId :
A51G3

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 7 2-Octenal, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	1.25 ug/L	63209	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Octenal, (E)-	126 C8H14O	002548-87-0	80
2	2-Octenal, (E)-	126 C8H14O	002548-87-0	78
3	2-Tridecenal, (E)-	196 C13H24O	007069-41-2	50
4	2-Pentene, (E)-	70 C5H10	000646-04-8	43
5	2-Hexenal, (E)-	98 C6H10O	006728-26-3	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011072.D
Acq On : 28 May 2019 19:23
Operator : SY/MD
Sample : K3017-02
Misc : 4.92G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

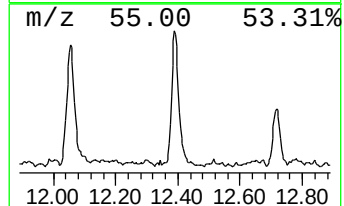
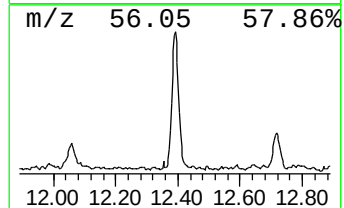
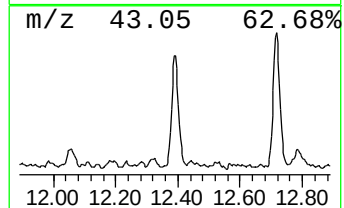
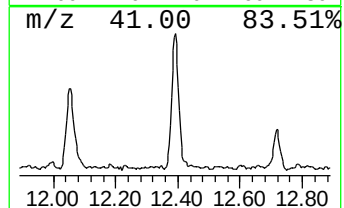
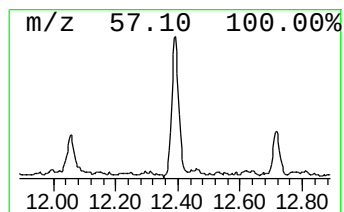
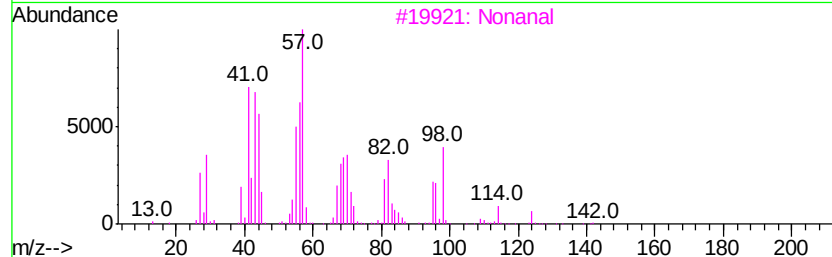
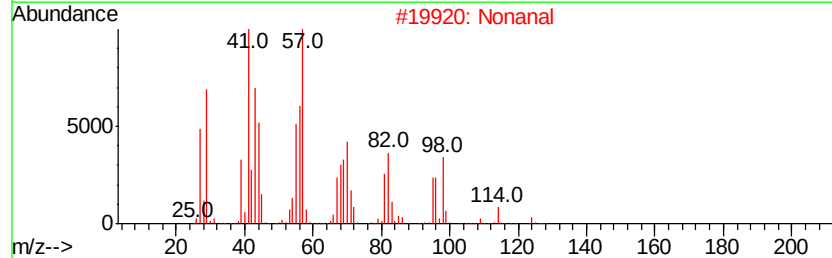
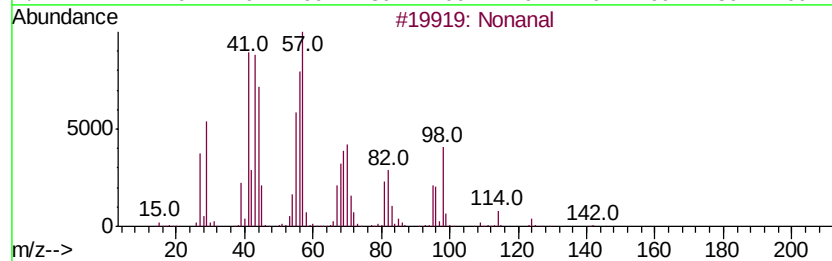
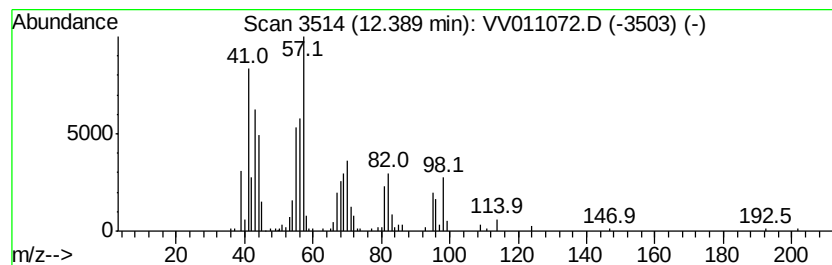
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 8 Nonanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.33 ug/L	117685	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	Nonanal		142 C9H18O	000124-19-6 90
4	Nonanal		142 C9H18O	000124-19-6 86
5	2-Nonen-1-ol, (E)-		142 C9H18O	031502-14-4 35



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011072.D
Acq On : 28 May 2019 19:23
Operator : SY/MD
Sample : K3017-02
Misc : 4.92G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51G3

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
Butanal	3.75	1.4	ug/L	61203	1	5.66	1134010	25.0
Butanal, 3-methyl-	6.33	7.5	ug/L	338560	1	5.66	1134010	25.0
Hexanal	8.28	59.5	ug/L	3325830	2	8.89	1396130	25.0
Heptanal	9.85	2.4	ug/L	133628	2	8.89	1396130	25.0
Octanal	11.19	2.5	ug/L	123429	3	11.30	1261830	25.0
2-Octenal, (E)-	12.05	1.3	ug/L	63209	3	11.30	1261830	25.0
Nonanal	12.39	2.3	ug/L	117685	3	11.30	1261830	25.0