

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053119\
 Data File : VV011183.D
 Acq On : 31 May 2019 17:40
 Operator : SY/MD
 Sample : K3083-04RE
 Misc : 4.40G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51F7RE

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	1.315	65	70	80	rVB	190362	173176	14.58%	1.790%
2	1.389	88	93	100	rVB	75482	72400	6.09%	0.748%
3	1.573	145	150	162	rVB	129685	153978	12.96%	1.592%
4	2.122	313	321	333	rVB	299635	428189	36.04%	4.426%
5	2.190	335	342	354	rVB	147903	206914	17.41%	2.139%
6	2.884	553	558	560	rBV4	849	745	0.06%	0.008%
7	2.910	564	566	568	rBV3	834	221	0.02%	0.002%
8	3.376	710	711	713	rBV2	652	256	0.02%	0.003%
9	3.396	713	717	721	rVV7	766	723	0.06%	0.007%
10	3.447	731	733	734	rBV2	659	305	0.03%	0.003%
11	3.553	761	766	773	rVB7	1880	2590	0.22%	0.027%
12	3.598	779	780	782	rVB2	612	177	0.01%	0.002%
13	3.621	782	787	789	rBV4	558	427	0.04%	0.004%
14	3.637	789	792	796	rVB6	1006	864	0.07%	0.009%
15	3.653	796	797	800	rVB3	451	223	0.02%	0.002%
16	3.669	800	802	803	rBV	661	244	0.02%	0.003%
17	3.749	817	827	851	rBV2	29405	70467	5.93%	0.728%
18	3.936	876	885	904	rBV2	39620	95784	8.06%	0.990%
19	4.290	993	995	998	rBV4	830	541	0.05%	0.006%
20	4.322	1003	1005	1008	rVB2	883	445	0.04%	0.005%
21	4.399	1014	1029	1047	rBV	199403	471977	39.72%	4.879%
22	4.688	1117	1119	1120	rBV2	1077	425	0.04%	0.004%
23	4.781	1147	1148	1150	rBV2	409	110	0.01%	0.001%
24	4.801	1151	1154	1157	rVB4	829	437	0.04%	0.005%
25	4.852	1168	1170	1172	rVB3	927	365	0.03%	0.004%
26	4.875	1172	1177	1182	rBV5	968	1001	0.08%	0.010%
27	4.900	1182	1185	1187	rBV3	471	273	0.02%	0.003%
28	4.910	1187	1188	1189	rVB	591	114	0.01%	0.001%
29	4.923	1189	1192	1196	rVB4	1183	1106	0.09%	0.011%
30	4.942	1196	1198	1201	rBV3	638	315	0.03%	0.003%
31	4.958	1201	1203	1204	rBV2	825	394	0.03%	0.004%
32	5.007	1217	1218	1220	rVB2	630	182	0.02%	0.002%
33	5.026	1220	1224	1225	rBV3	1066	889	0.07%	0.009%
34	5.093	1227	1245	1277	rVV2	482544	1188166	100.00%	12.283%

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35	5.373	1321	1332	1346	rBV3	14138	33527	2.82%	0.347%
36	5.662	1408	1422	1448	rBV	387355	794177	66.84%	8.210%
37	5.958	1501	1514	1530	rBV	156352	305015	25.67%	3.153%
38	6.116	1551	1563	1585	rVB	272113	544385	45.82%	5.628%
39	6.328	1620	1629	1648	rBV	95102	181579	15.28%	1.877%
40	6.521	1687	1689	1690	rBV	743	253	0.02%	0.003%
41	6.569	1702	1704	1707	rBV4	1118	709	0.06%	0.007%
42	6.588	1707	1710	1713	rVV3	1134	731	0.06%	0.008%
43	6.621	1717	1720	1723	rBV5	1005	782	0.07%	0.008%
44	6.794	1770	1774	1775	rBV3	1068	737	0.06%	0.008%
45	6.843	1783	1789	1793	rBV8	1801	1846	0.16%	0.019%
46	6.933	1811	1817	1820	rBV6	1172	1172	0.10%	0.012%
47	7.029	1835	1847	1865	rBV	149514	266399	22.42%	2.754%
48	7.257	1915	1918	1919	rBV3	1071	527	0.04%	0.005%
49	7.357	1939	1949	1963	rBV	520794	882708	74.29%	9.125%
50	7.566	2011	2014	2015	rBV3	1462	761	0.06%	0.008%
51	7.662	2034	2044	2058	rBV2	90145	152434	12.83%	1.576%
52	7.900	2116	2118	2120	rBV2	1054	476	0.04%	0.005%
53	8.132	2180	2190	2219	rBV	153882	289619	24.38%	2.994%
54	8.280	2226	2236	2260	rBV	493620	812625	68.39%	8.400%
55	8.566	2323	2325	2327	rBV4	1311	593	0.05%	0.006%
56	8.672	2356	2358	2361	rBV4	1234	621	0.05%	0.006%
57	8.691	2361	2364	2366	rBV4	1589	1076	0.09%	0.011%
58	8.817	2400	2403	2404	rBV3	1040	520	0.04%	0.005%
59	8.894	2409	2427	2450	rBV	507577	854246	71.90%	8.831%
60	9.257	2531	2540	2563	rVB3	26592	79889	6.72%	0.826%
61	9.534	2616	2626	2638	rBV6	10008	23765	2.00%	0.246%
62	9.852	2717	2725	2742	rBV2	50755	84407	7.10%	0.873%
63	10.260	2833	2852	2867	rBV	181677	316220	26.61%	3.269%
64	10.563	2933	2946	2955	rBV	7471	17813	1.50%	0.184%
65	10.810	3015	3023	3033	rBV	8952	17510	1.47%	0.181%
66	11.196	3136	3143	3161	rVV3	35045	67933	5.72%	0.702%
67	11.292	3163	3173	3191	rVB	323722	538805	45.35%	5.570%
68	11.579	3251	3262	3269	rBV10	6554	11804	0.99%	0.122%
69	11.672	3279	3291	3304	rBV	261853	426465	35.89%	4.409%
70	11.817	3334	3336	3338	rBV2	2416	1483	0.12%	0.015%
71	12.058	3404	3411	3426	rVB7	14426	25669	2.16%	0.265%

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72	12.270	3471	3477	3478	rBV5	1368	1202	0.10%	0.012%
73	12.395	3507	3516	3526	rBV4	23476	38471	3.24%	0.398%
74	12.514	3552	3553	3554	rBV	1017	286	0.02%	0.003%
75	12.997	3698	3703	3705	rBV4	1656	1348	0.11%	0.014%
76	13.116	3737	3740	3742	rBV4	2081	1513	0.13%	0.016%
77	13.280	3787	3791	3792	rBV3	1401	1198	0.10%	0.012%
78	13.315	3799	3802	3807	rBV6	1875	1389	0.12%	0.014%
79	13.579	3882	3884	3889	rVB4	1699	1390	0.12%	0.014%
80	13.604	3889	3892	3895	rBV3	1082	951	0.08%	0.010%
81	13.707	3921	3924	3926	rBV3	1087	742	0.06%	0.008%
82	13.791	3946	3950	3951	rBV4	1392	1102	0.09%	0.011%
83	13.871	3973	3975	3978	rBV3	792	606	0.05%	0.006%
84	13.897	3982	3983	3985	rBV2	1041	577	0.05%	0.006%
85	13.974	4005	4007	4011	rVB3	1330	670	0.06%	0.007%
86	13.997	4011	4014	4015	rBV2	706	417	0.04%	0.004%
87	14.183	4071	4072	4074	rBV2	575	297	0.02%	0.003%
88	14.669	4220	4223	4224	rBV3	1015	582	0.05%	0.006%
89	14.723	4236	4240	4243	rVB4	1528	1115	0.09%	0.012%
90	14.743	4243	4246	4250	rBV4	1166	959	0.08%	0.010%
91	14.826	4270	4272	4275	rBV4	985	640	0.05%	0.007%
92	14.874	4285	4287	4290	rVB4	2017	823	0.07%	0.009%
93	14.919	4299	4301	4302	rBV	866	468	0.04%	0.005%
94	14.997	4322	4325	4327	rBV3	1645	1203	0.10%	0.012%
95	15.247	4400	4403	4406	rVB5	1335	954	0.08%	0.010%
96	15.501	4478	4482	4483	rBV4	1323	1007	0.08%	0.010%

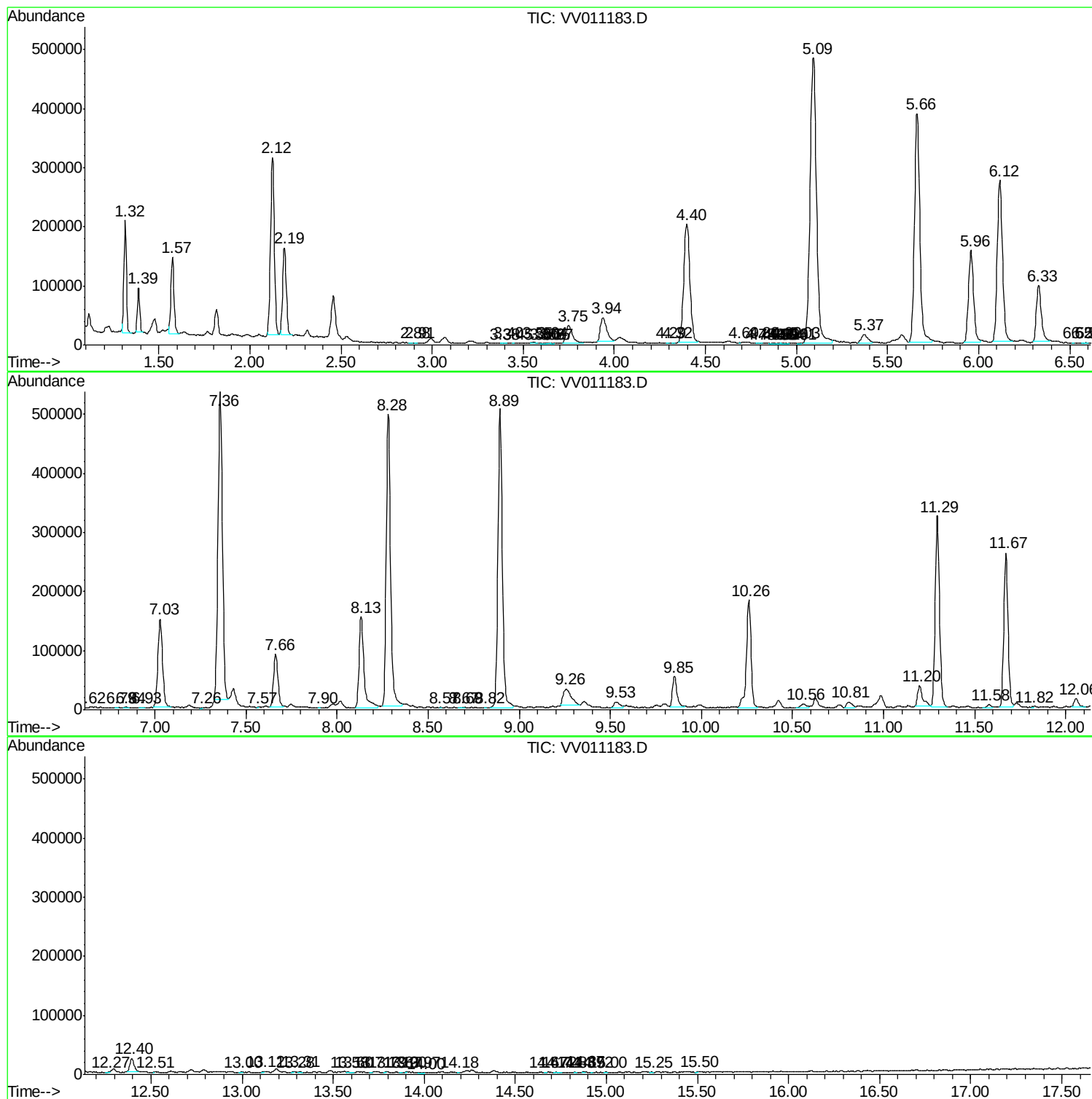
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
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TIC Library : C:\DATABASE\NIST11.L
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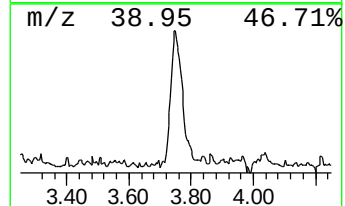
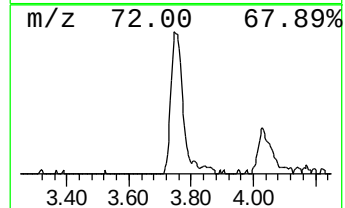
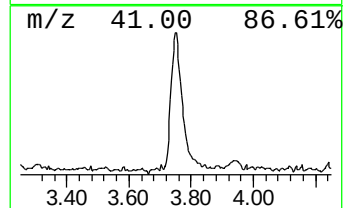
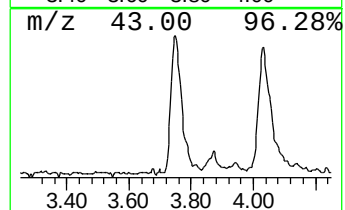
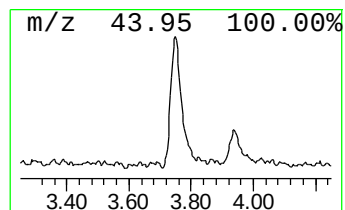
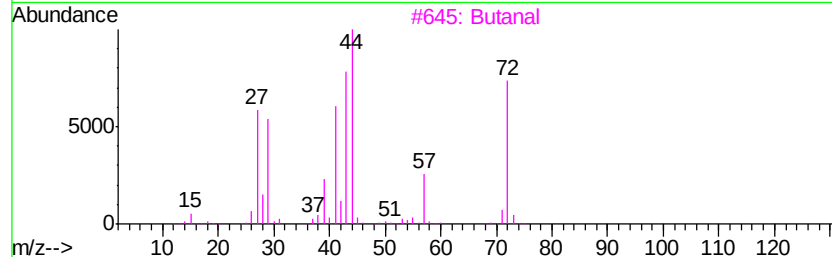
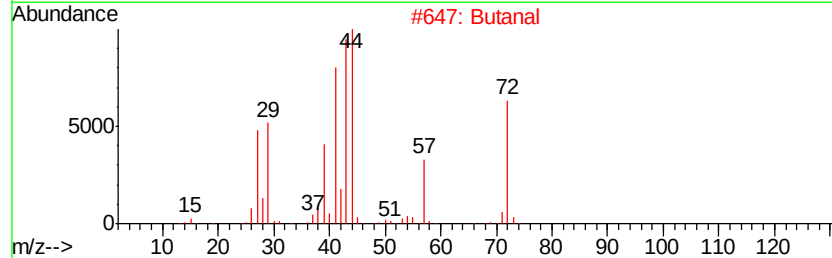
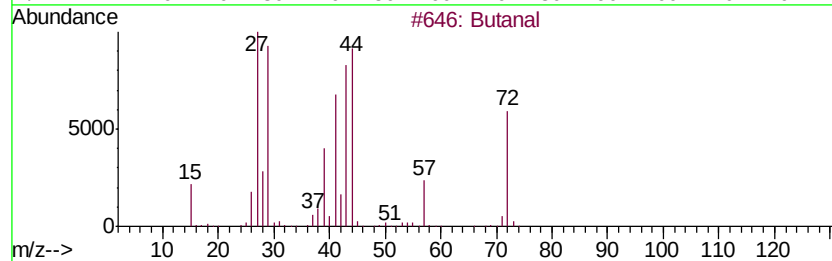
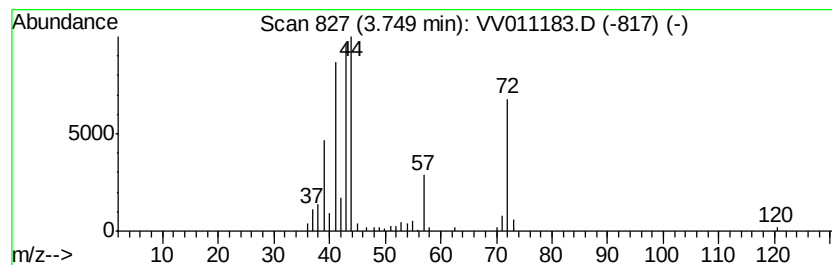
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 2 Butanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	2.22 ug/L	70467	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	52
4	Propane		44	C3H8	000074-98-6	47
5	Propane		44	C3H8	000074-98-6	47



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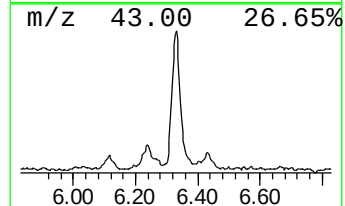
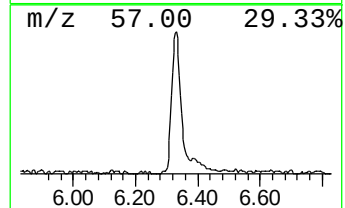
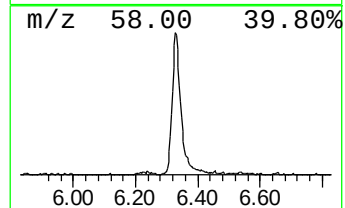
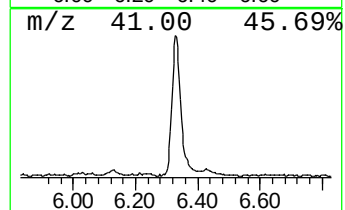
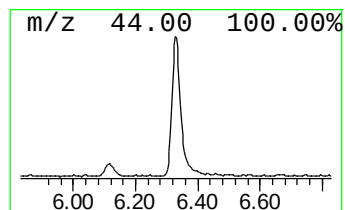
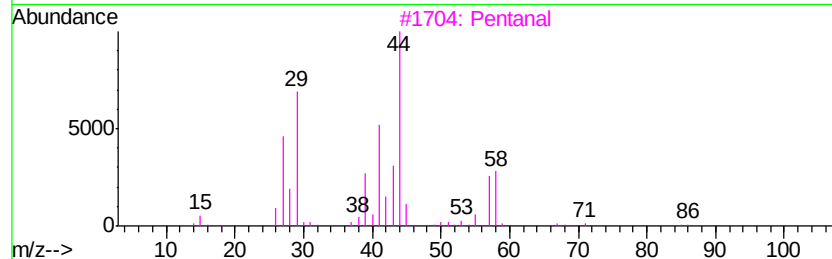
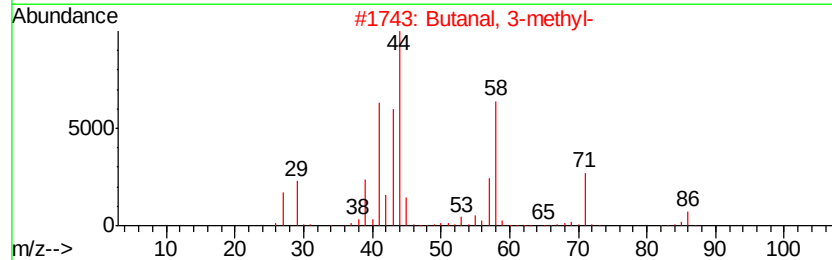
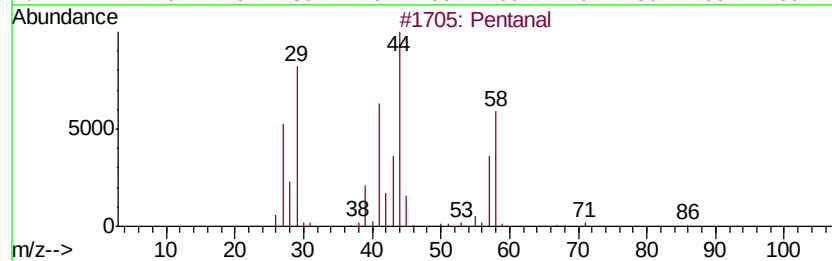
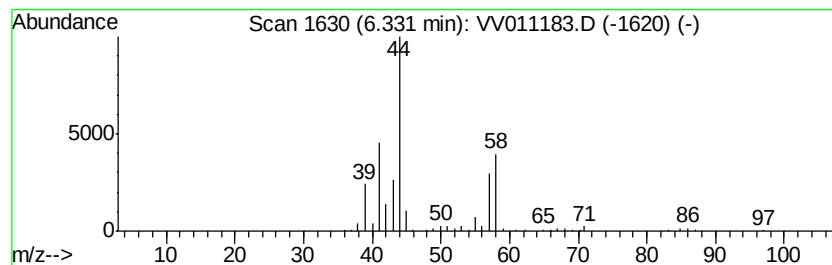
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 3 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	5.72 ug/L	181579	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	74
3	Pentanal			86	C5H10O	000110-62-3	72
4	Pentanal			86	C5H10O	000110-62-3	64
5	Butanal, 3-methyl-			86	C5H10O	000590-86-3	53



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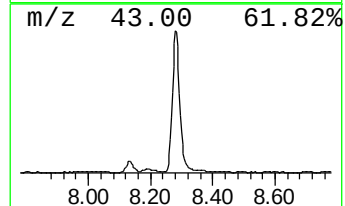
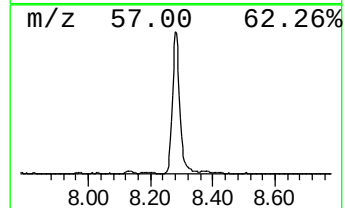
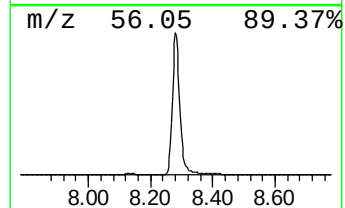
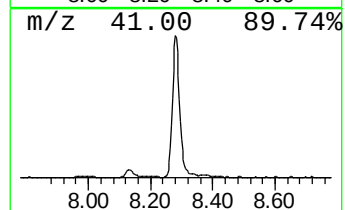
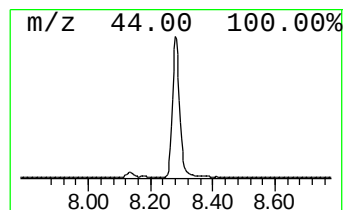
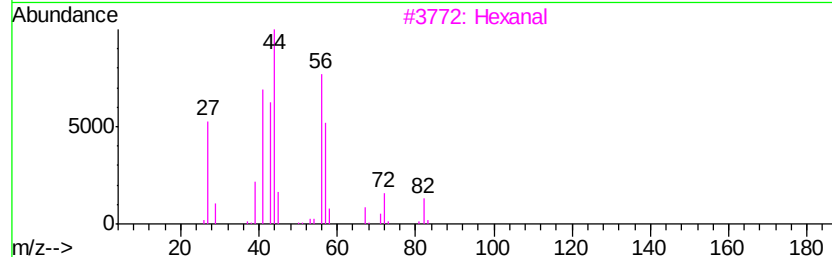
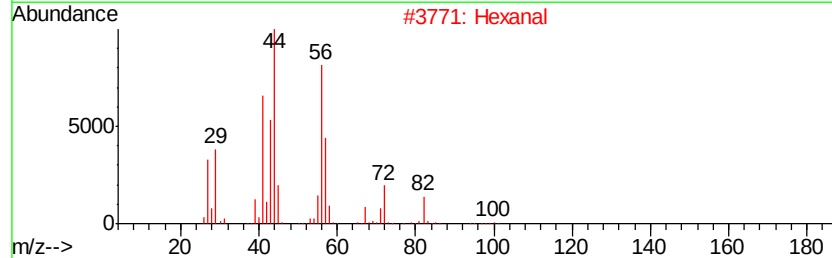
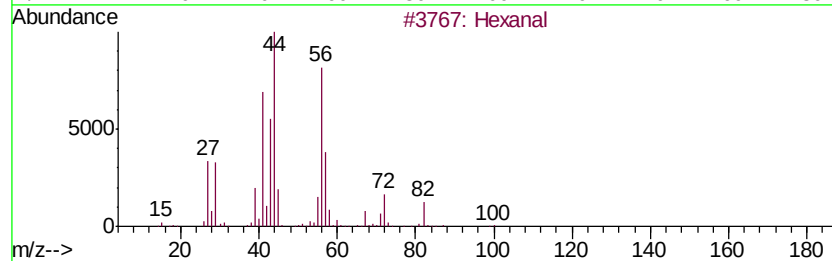
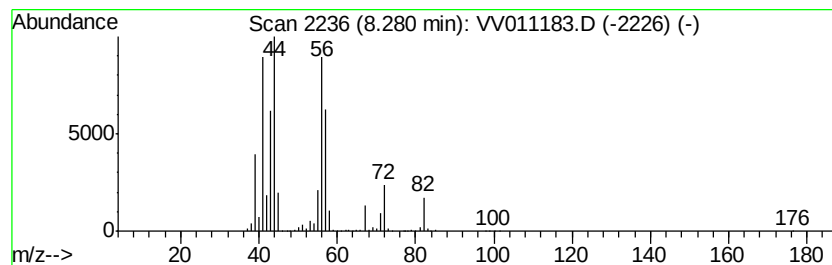
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Quant Title : VOC Analysis

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

Peak Number 5 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	23.78 ug/L	812625	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	80
2		Hexanal	100	C6H12O	000066-25-1	80
3		Hexanal	100	C6H12O	000066-25-1	80
4		Hexanal	100	C6H12O	000066-25-1	64
5		Butanal	72	C4H8O	000123-72-8	38



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 ClientSampleId :
 A51F7RE

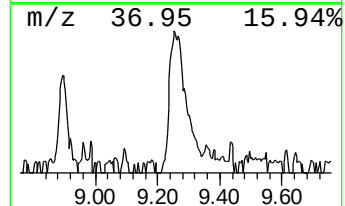
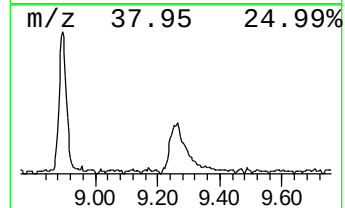
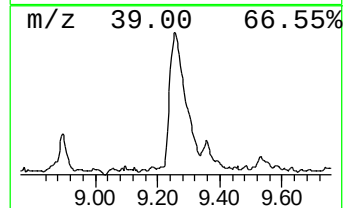
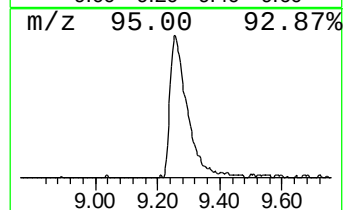
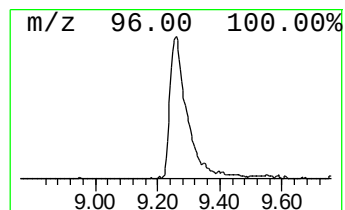
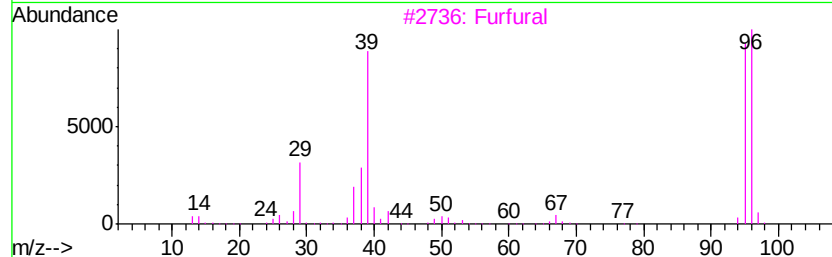
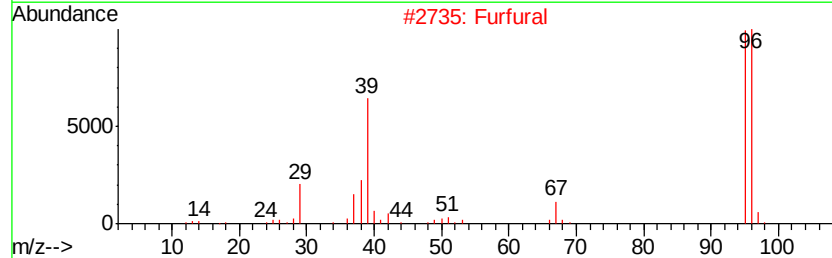
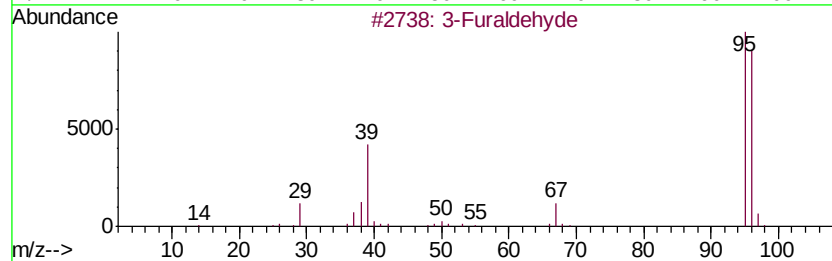
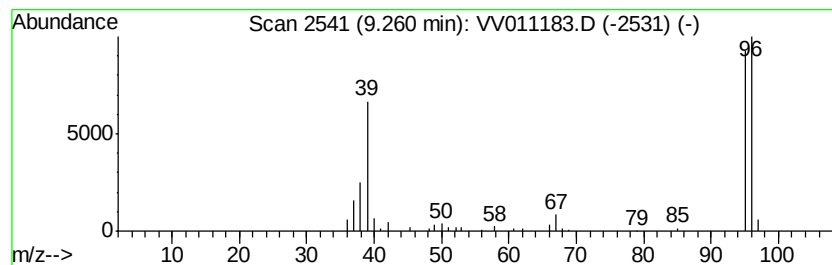
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 Quant Title : VOC Analysis

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

 Peak Number 6 3-Furaldehyde Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	2.34 ug/L	79889	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Furaldehyde		96	C5H4O2	000498-60-2	94
2	Furfural		96	C5H4O2	000098-01-1	91
3	Furfural		96	C5H4O2	000098-01-1	91
4	1H-Imidazole, 1,4-dimethyl-		96	C5H8N2	006338-45-0	86
5	1H-Imidazole, 1,5-dimethyl-		96	C5H8N2	010447-93-5	78



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV053119\
Data File : VV011183.D
Acq On : 31 May 2019 17:40
Operator : SY/MD
Sample : K3083-04RE
Misc : 4.40G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F7RE

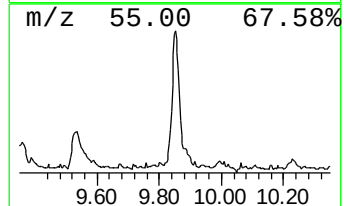
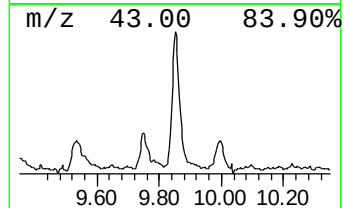
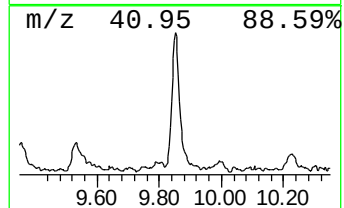
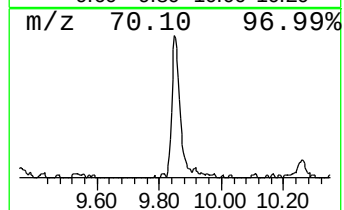
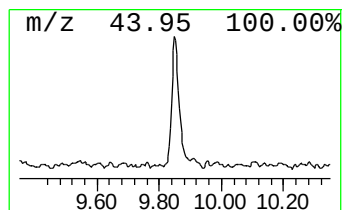
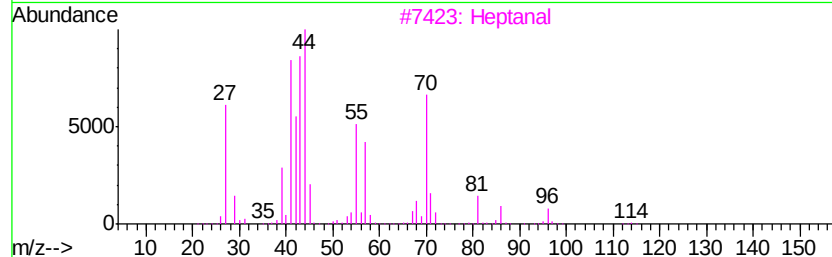
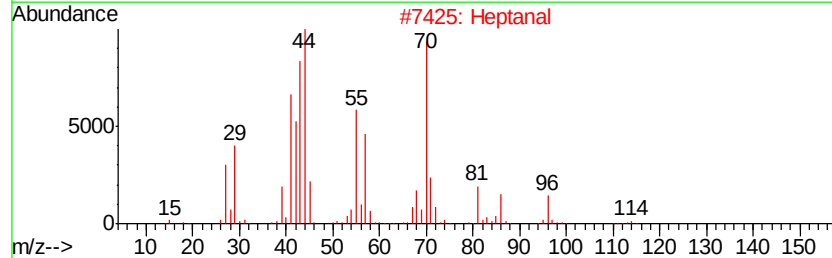
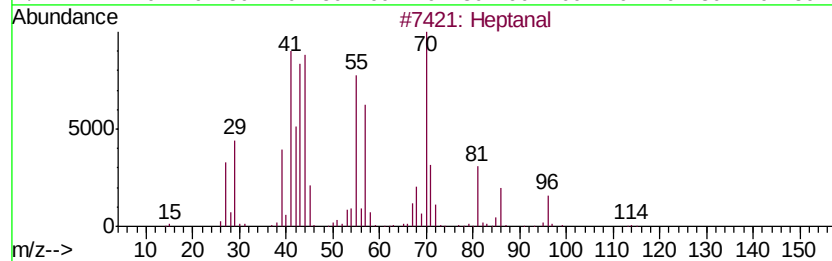
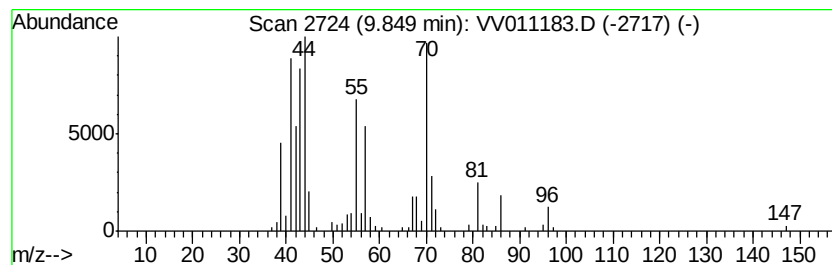
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Quant Title : VOC Analysis

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

Peak Number 7 Heptanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.47 ug/L	84407	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal		114	C7H14O	000111-71-7	91
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\VV053119\
Data File : VV011183.D
Acq On : 31 May 2019 17:40
Operator : SY/MD
Sample : K3083-04RE
Misc : 4.40G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F7RE

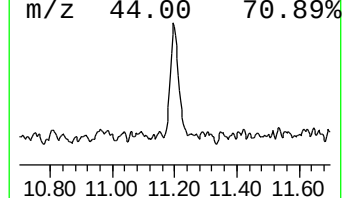
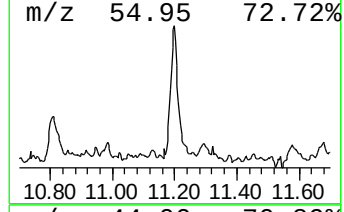
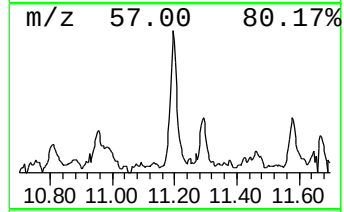
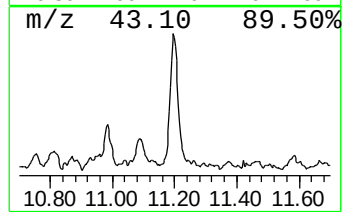
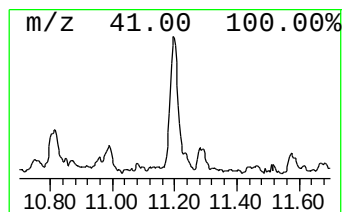
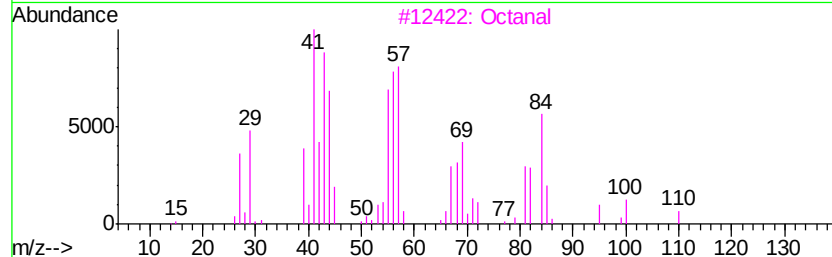
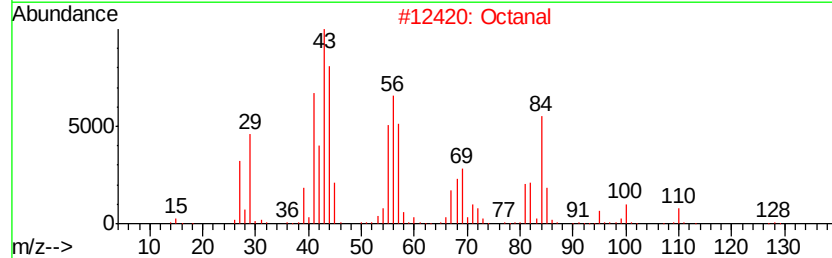
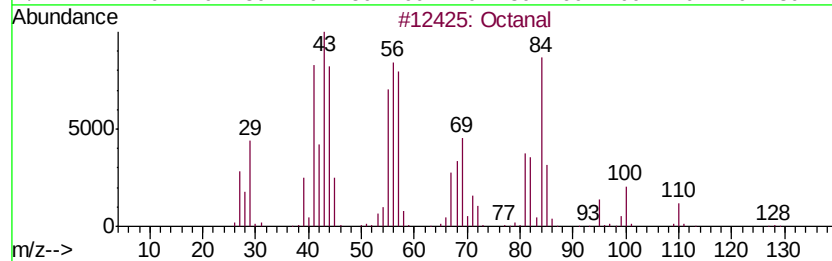
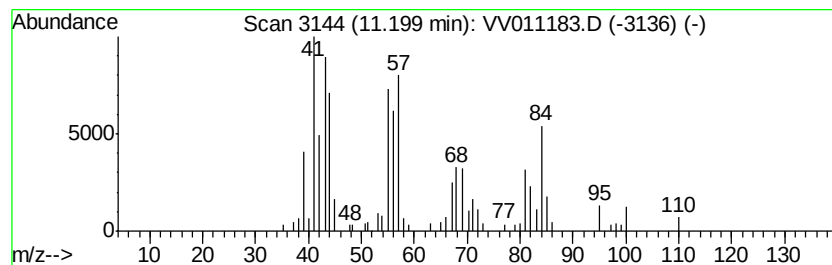
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Quant Title : VOC Analysis

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

Peak Number 8 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	3.15 ug/L	67933	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	90
3		Octanal	128	C8H16O	000124-13-0	87
4		Octanal	128	C8H16O	000124-13-0	87
5		Octanal	128	C8H16O	000124-13-0	83



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV053119\
Data File : VV011183.D
Acq On : 31 May 2019 17:40
Operator : SY/MD
Sample : K3083-04RE
Misc : 4.40G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

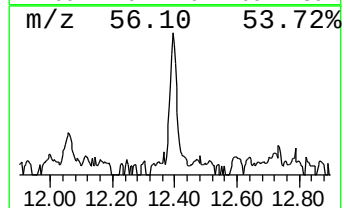
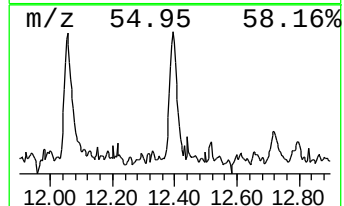
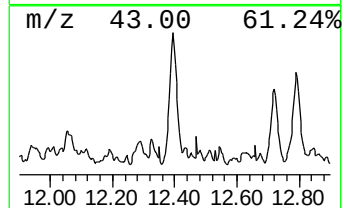
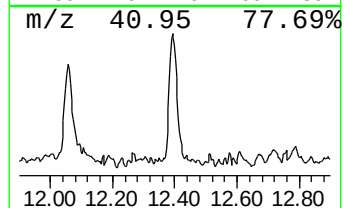
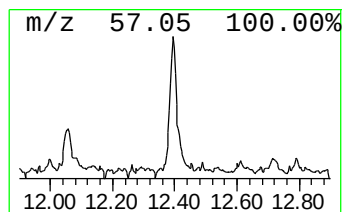
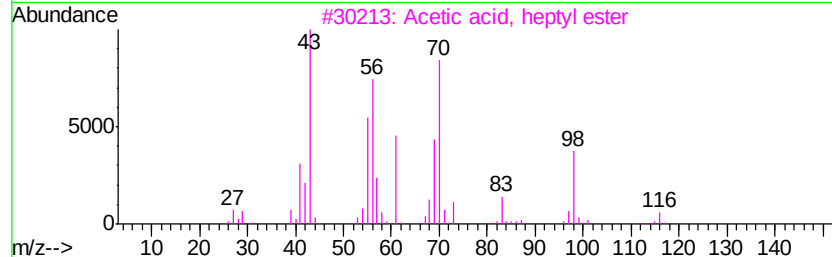
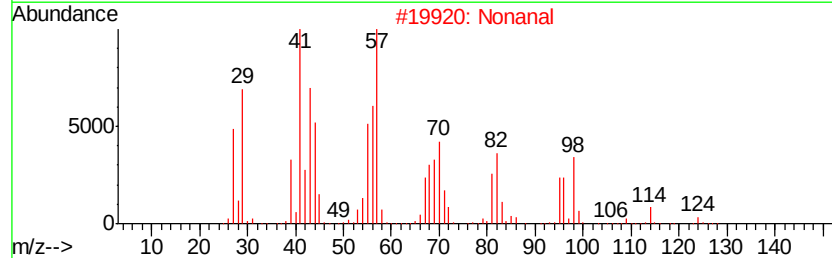
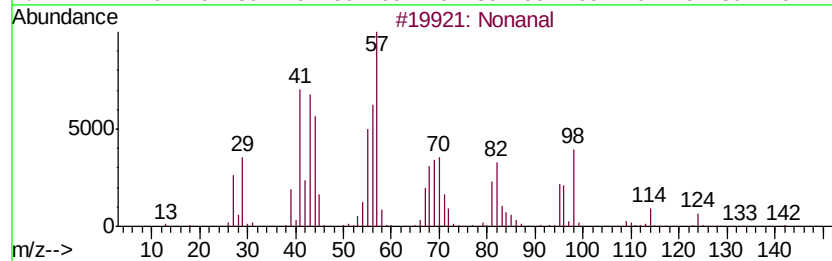
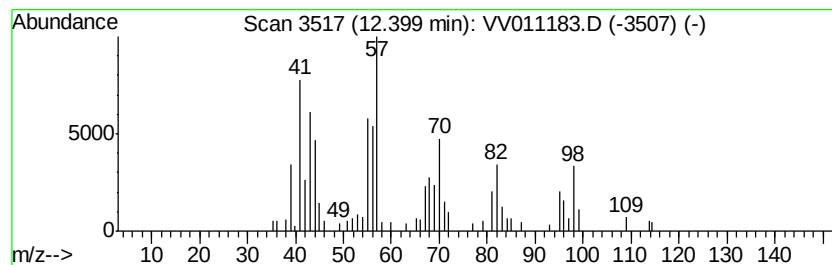
Instrument :
MSVOA_V
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 9 Nonanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	1.79 ug/L	38471	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonanal		142 C9H18O	000124-19-6 72
2	Nonanal		142 C9H18O	000124-19-6 72
3	Acetic acid, heptyl ester		158 C9H18O2	000112-06-1 38
4	2-Butenediamide, (E)-		114 C4H6N2O2	000627-64-5 38
5	Cycloheptane		98 C7H14	000291-64-5 38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053119\
Data File : VV011183.D
Acq On : 31 May 2019 17:40
Operator : SY/MD
Sample : K3083-04RE
Misc : 4.40G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F7RE

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	3.75	2.2	ug/L	70467	1	5.66	794177	25.0
Pentanal	6.33	5.7	ug/L	181579	1	5.66	794177	25.0
Hexanal	8.28	23.8	ug/L	812625	2	8.89	854246	25.0
3-Furaldehyde	9.26	2.3	ug/L	79889	2	8.89	854246	25.0
Heptanal	9.85	2.5	ug/L	84407	2	8.89	854246	25.0
Octanal	11.20	3.1	ug/L	67933	3	11.30	538805	25.0
Nonanal	12.40	1.8	ug/L	38471	3	11.30	538805	25.0