

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
 Data File : VV011160.D
 Acq On : 31 May 2019 04:16
 Operator : SY/MD
 Sample : K3017-07RE
 Misc : 4.01G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E0RE

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	76	rVB	197520	185168	9.90%	1.579%
2	1.380	86	90	100	rVB	77510	76904	4.11%	0.656%
3	1.556	140	145	157	rVB	140544	166979	8.92%	1.424%
4	2.113	310	318	330	rVB2	316460	464779	24.84%	3.963%
5	2.180	333	339	350	rVB	171748	245000	13.09%	2.089%
6	2.753	516	517	519	rBV2	730	366	0.02%	0.003%
7	2.875	553	555	558	rVB4	1497	818	0.04%	0.007%
8	2.923	566	570	571	rBV4	986	700	0.04%	0.006%
9	2.942	574	576	577	rBV2	852	462	0.02%	0.004%
10	3.164	643	645	646	rBV2	1323	556	0.03%	0.005%
11	3.199	647	656	674	rVB3	9457	20714	1.11%	0.177%
12	3.370	706	709	710	rBV2	778	462	0.02%	0.004%
13	3.389	713	715	718	rVV3	1265	684	0.04%	0.006%
14	3.463	735	738	742	rBV5	1397	901	0.05%	0.008%
15	3.617	783	786	788	rBV3	596	392	0.02%	0.003%
16	3.637	791	792	794	rBV2	634	265	0.01%	0.002%
17	3.650	794	796	798	rVB3	1057	451	0.02%	0.004%
18	3.659	798	799	802	rBV3	593	298	0.02%	0.003%
19	3.675	802	804	806	rBV3	1032	444	0.02%	0.004%
20	3.685	806	807	808	rBV	614	186	0.01%	0.002%
21	3.740	812	824	843	rBV2	40742	101150	5.41%	0.862%
22	3.926	871	882	904	rBV	48756	134094	7.17%	1.143%
23	4.183	960	962	964	rVB3	1054	326	0.02%	0.003%
24	4.206	968	969	971	rBV2	696	219	0.01%	0.002%
25	4.244	979	981	984	rVB3	918	420	0.02%	0.004%
26	4.264	984	987	990	rBV4	1282	1078	0.06%	0.009%
27	4.389	1007	1026	1048	rBV	225618	553208	29.57%	4.717%
28	4.765	1141	1143	1145	rBV2	871	500	0.03%	0.004%
29	4.820	1157	1160	1163	rVB4	934	575	0.03%	0.005%
30	4.836	1163	1165	1169	rVB5	1267	695	0.04%	0.006%
31	4.859	1169	1172	1173	rBV3	772	373	0.02%	0.003%
32	4.913	1187	1189	1191	rBV2	670	389	0.02%	0.003%
33	4.942	1196	1198	1201	rVB4	724	395	0.02%	0.003%
34	4.958	1201	1203	1206	rBV4	824	536	0.03%	0.005%

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Integration Parameters: LSCINT.P

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 Title : VOC Analysis

35	5.006	1216	1218	1219	rBV	867	432	0.02%	0.004%
36	5.084	1224	1242	1265	rBV2	541268	1330160	71.09%	11.341%
37	5.312	1310	1313	1317	rBV4	1903	1522	0.08%	0.013%
38	5.367	1319	1330	1345	rVV2	24076	57285	3.06%	0.488%
39	5.479	1363	1365	1367	rBV3	668	334	0.02%	0.003%
40	5.656	1408	1420	1447	rVB	451082	891611	47.65%	7.602%
41	6.109	1548	1561	1583	rBV	312538	632526	33.80%	5.393%
42	6.325	1617	1628	1651	rBV	198578	383787	20.51%	3.272%
43	6.617	1717	1719	1721	rBV3	1032	524	0.03%	0.004%
44	6.746	1757	1759	1760	rVB2	930	331	0.02%	0.003%
45	6.768	1760	1766	1768	rBV6	992	960	0.05%	0.008%
46	6.823	1781	1783	1784	rBV2	618	203	0.01%	0.002%
47	6.846	1788	1790	1792	rVB2	877	329	0.02%	0.003%
48	6.881	1799	1801	1805	rBV5	891	695	0.04%	0.006%
49	6.923	1810	1814	1816	rBV3	880	466	0.02%	0.004%
50	7.026	1836	1846	1861	rVB	164173	280445	14.99%	2.391%
51	7.354	1930	1948	1962	rBV	569373	1063293	56.83%	9.066%
52	7.659	2033	2043	2056	rBV	98541	168119	8.98%	1.433%
53	7.971	2131	2140	2152	rBV7	9045	19967	1.07%	0.170%
54	8.129	2179	2189	2218	rBV	171660	320980	17.15%	2.737%
55	8.280	2224	2236	2262	rBV	1127206	1871150	100.00%	15.954%
56	8.723	2373	2374	2375	rBV	763	281	0.02%	0.002%
57	8.807	2398	2400	2402	rBV3	863	401	0.02%	0.003%
58	8.833	2404	2408	2410	rBV5	1558	999	0.05%	0.009%
59	8.894	2416	2427	2445	rVB	561174	905578	48.40%	7.721%
60	9.849	2715	2724	2739	rBV	100846	161099	8.61%	1.374%
61	10.180	2823	2827	2831	rBV6	1164	1059	0.06%	0.009%
62	10.260	2842	2852	2868	rVB	202851	320353	17.12%	2.731%
63	10.382	2887	2890	2891	rBV3	2430	1332	0.07%	0.011%
64	10.559	2935	2945	2955	rBV5	12395	24990	1.34%	0.213%
65	10.624	2960	2965	2978	rVB2	21667	34141	1.82%	0.291%
66	10.701	2987	2989	2990	rBV2	1338	566	0.03%	0.005%
67	11.193	3135	3142	3151	rBV	70695	109131	5.83%	0.930%
68	11.292	3163	3173	3189	rVB2	359521	598814	32.00%	5.106%
69	11.553	3253	3254	3256	rBV2	841	320	0.02%	0.003%
70	11.669	3273	3290	3303	rBV	258719	421895	22.55%	3.597%
71	12.054	3402	3410	3424	rBV3	28139	49720	2.66%	0.424%

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72	12.186	3448	3451	3458	rBV7	2958	3269	0.17%	0.028%
73	12.392	3507	3515	3528	rBV2	50540	77285	4.13%	0.659%
74	12.646	3592	3594	3596	rBV3	1079	527	0.03%	0.004%
75	13.479	3844	3853	3854	rBV7	4227	4563	0.24%	0.039%
76	13.688	3915	3918	3919	rBV2	1070	570	0.03%	0.005%
77	13.800	3946	3953	3958	rBV9	3546	4731	0.25%	0.040%
78	13.861	3969	3972	3973	rBV2	1544	1003	0.05%	0.009%
79	14.000	4013	4015	4018	rBV2	921	581	0.03%	0.005%
80	14.029	4022	4024	4027	rBV4	968	658	0.04%	0.006%
81	14.231	4078	4087	4094	rBV10	6520	12017	0.64%	0.102%
82	14.350	4120	4124	4125	rBV3	1178	705	0.04%	0.006%
83	14.607	4200	4204	4207	rBV3	1236	1197	0.06%	0.010%
84	14.662	4216	4221	4225	rBV6	2265	2067	0.11%	0.018%
85	14.730	4240	4242	4243	rBV2	992	411	0.02%	0.004%
86	15.029	4333	4335	4340	rBV4	1049	992	0.05%	0.008%
87	15.112	4356	4361	4363	rBV5	1961	1748	0.09%	0.015%

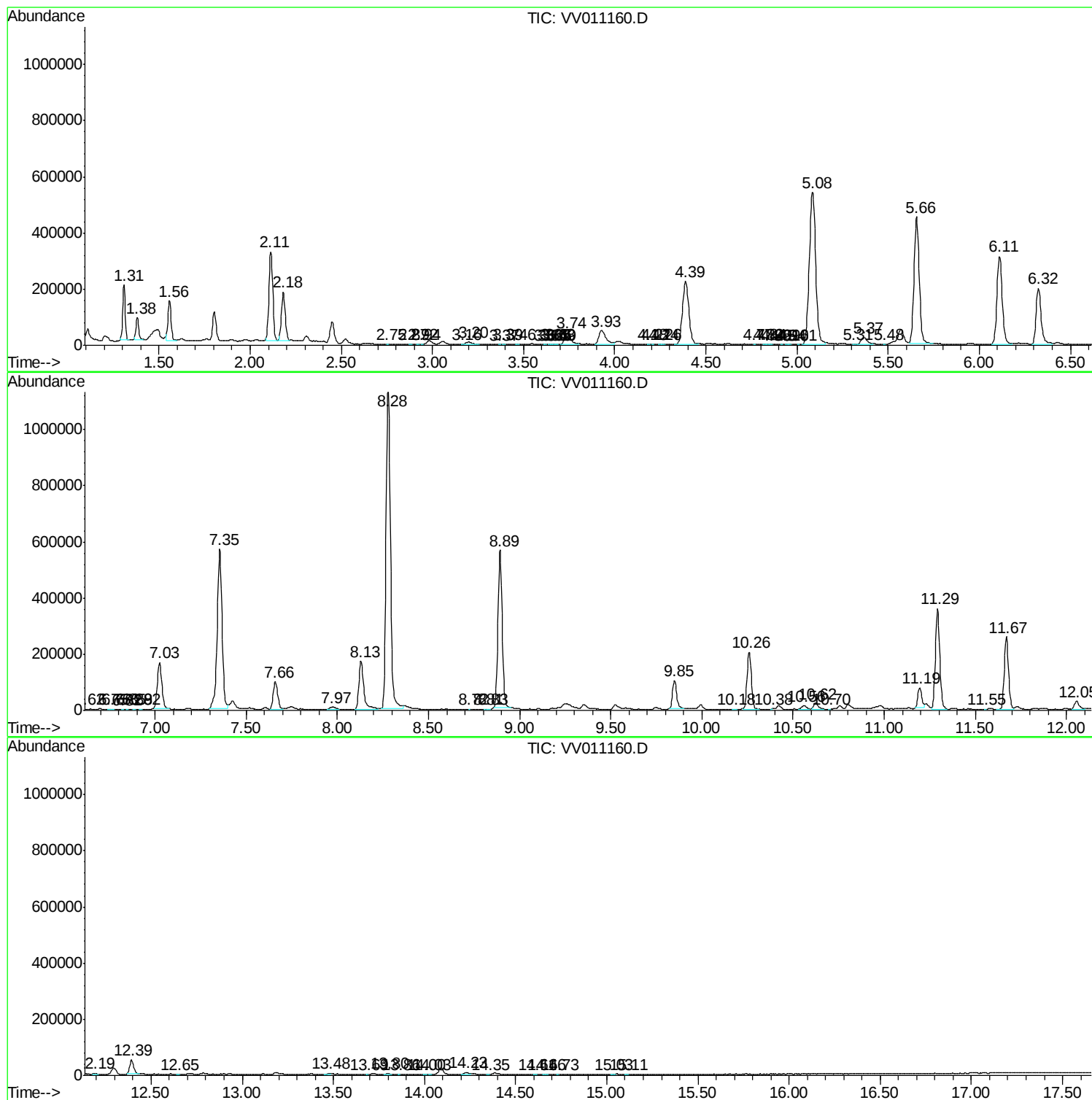
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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



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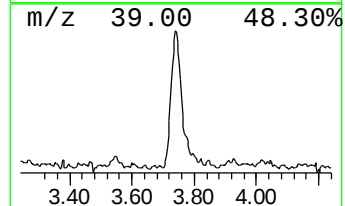
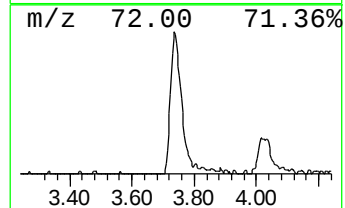
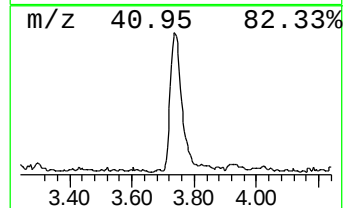
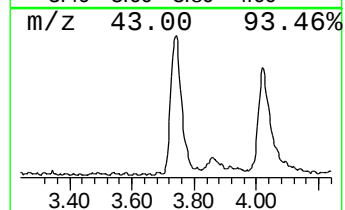
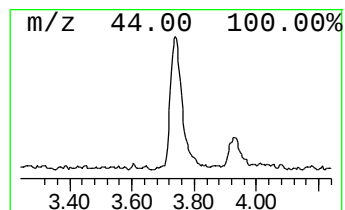
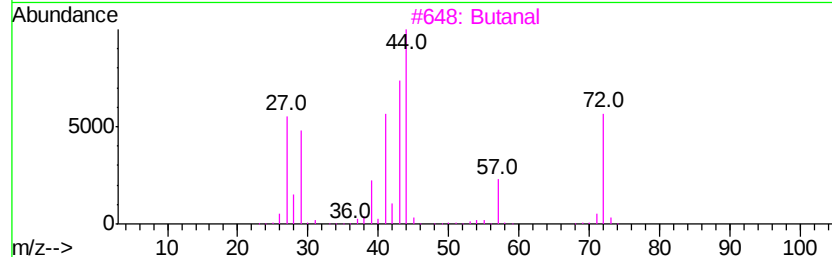
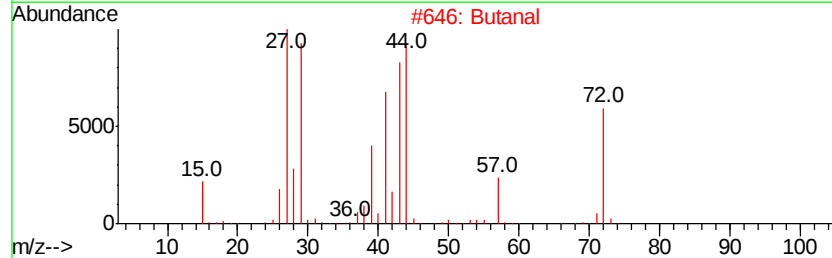
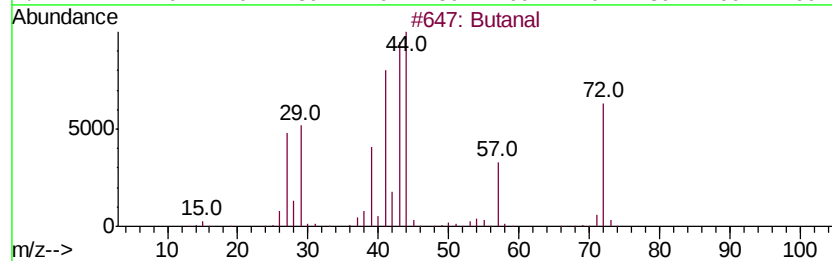
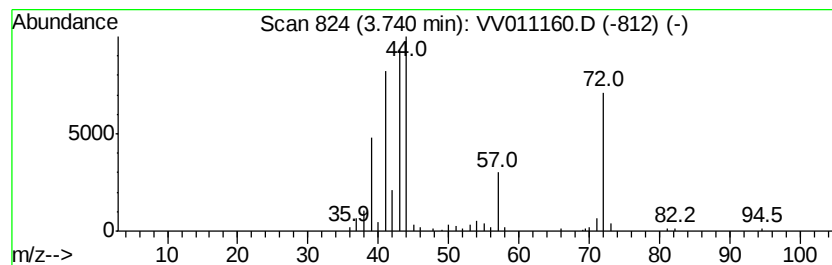
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 2 Butanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	2.84 ug/L	101150	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal	72	C4H8O	000123-72-8	94
2		Butanal	72	C4H8O	000123-72-8	91
3		Butanal	72	C4H8O	000123-72-8	64
4		Butanal	72	C4H8O	000123-72-8	58
5		Ethene, ethoxy-	72	C4H8O	000109-92-2	47



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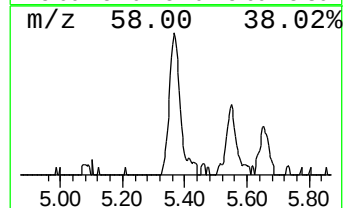
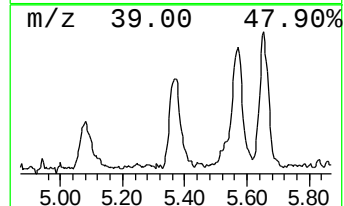
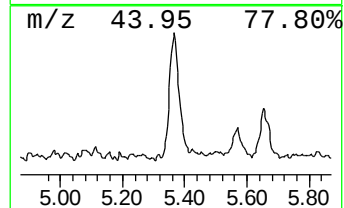
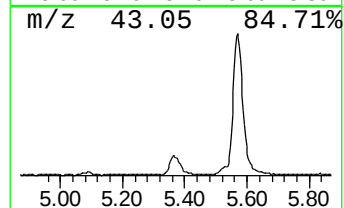
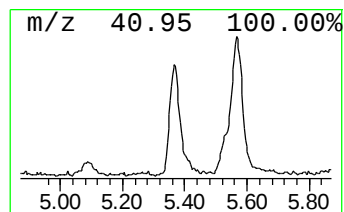
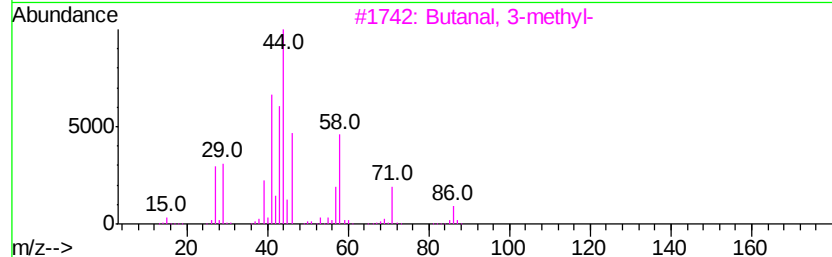
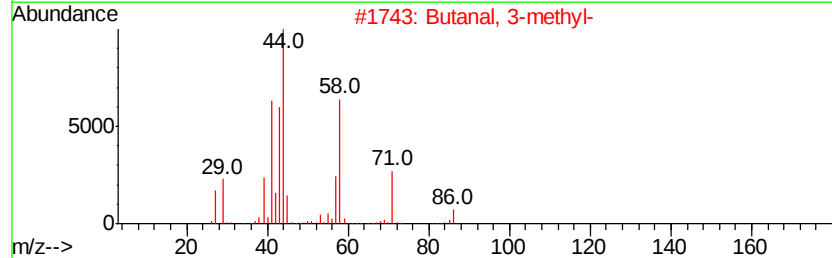
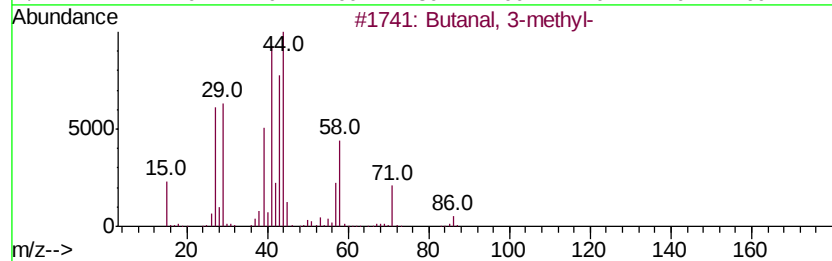
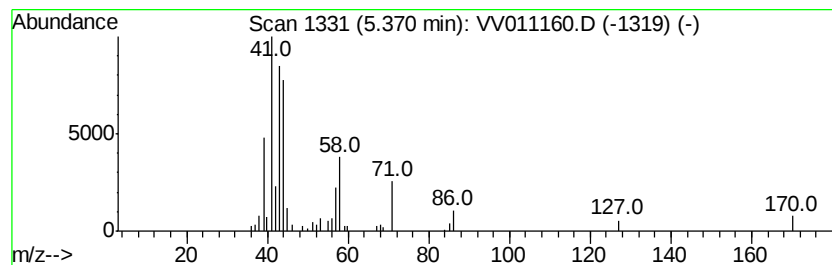
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 3 Butanal, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	1.61 ug/L	57285	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	52
3		Butanal, 3-methyl-	86	C5H10O	000590-86-3	50
4		Butanal, 3-methyl-	86	C5H10O	000590-86-3	49
5		Cyanoacetylurea	127	C4H5N3O2	001448-98-2	43



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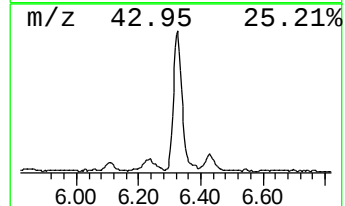
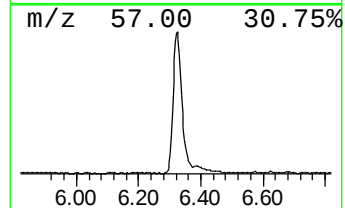
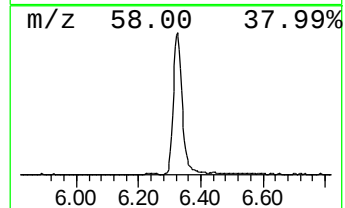
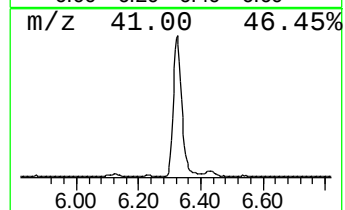
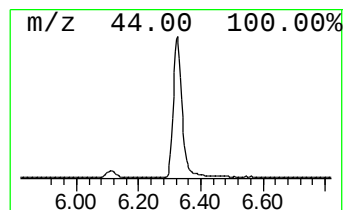
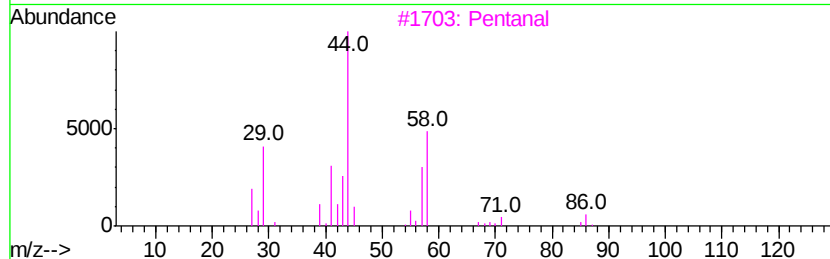
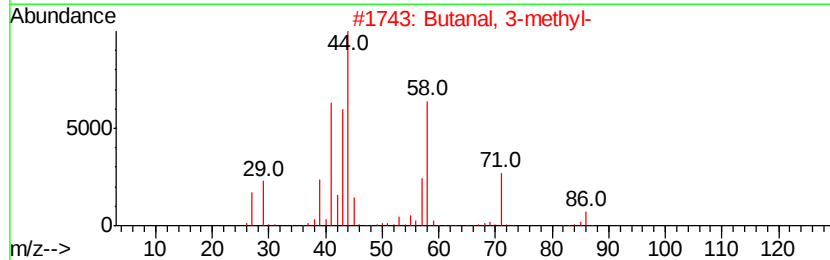
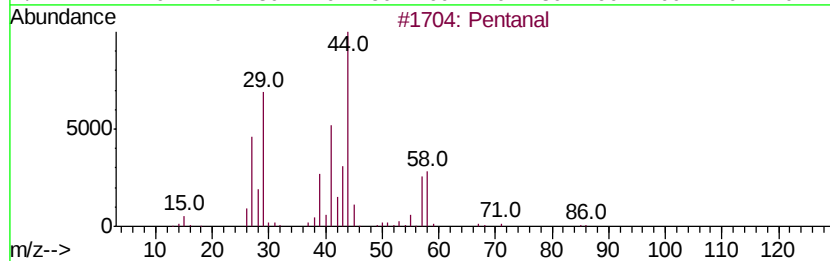
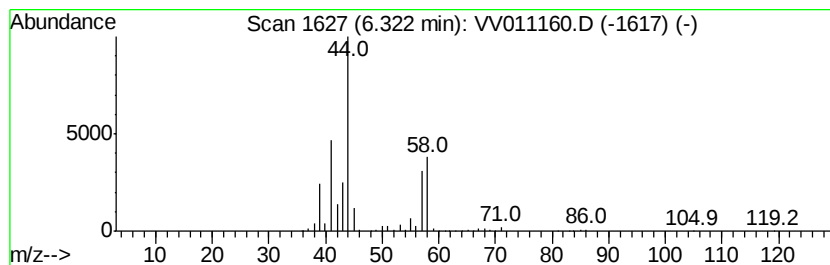
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 4 Pentanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	10.76 ug/L	383787	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	90
2		Butanal, 3-methyl-	86	C5H10O	000590-86-3	83
3		Pentanal	86	C5H10O	000110-62-3	64
4		Pentanal	86	C5H10O	000110-62-3	52
5		Butanal, 3-methyl-	86	C5H10O	000590-86-3	43



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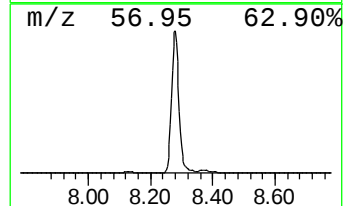
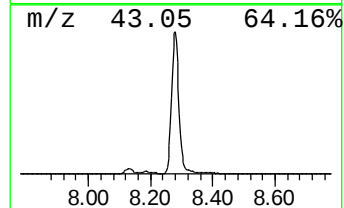
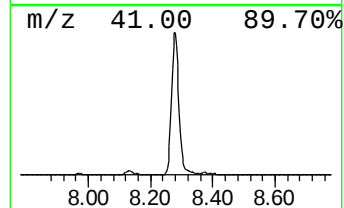
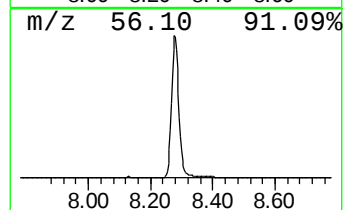
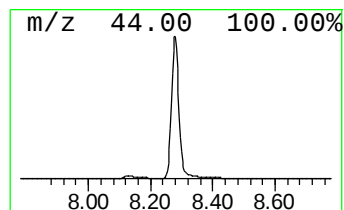
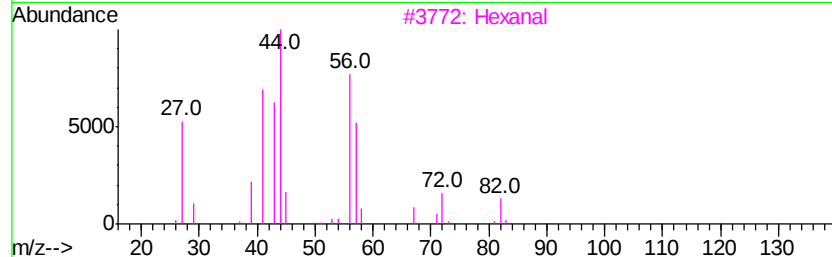
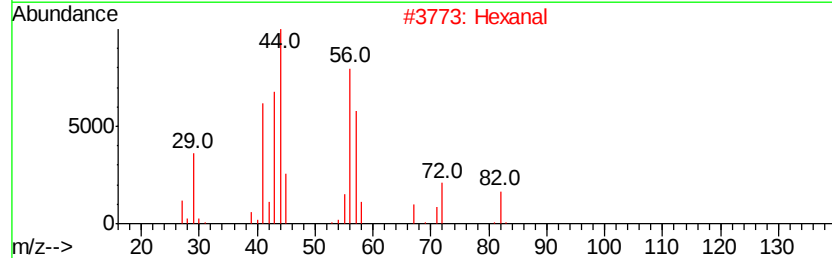
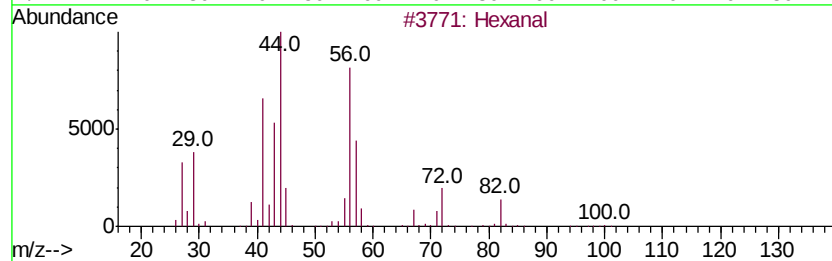
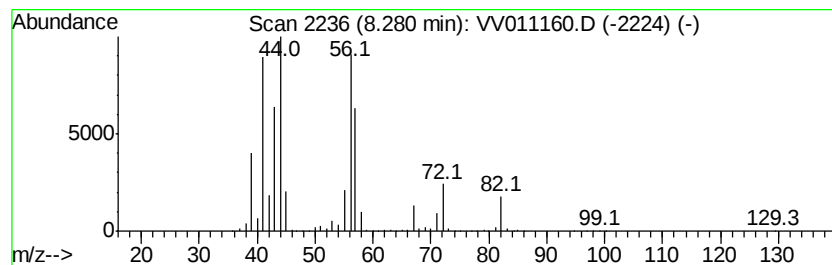
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Quant Title : VOC Analysis

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

Peak Number 6 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	51.66 ug/L	1871150	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal		100	C6H12O	000066-25-1	80
2	Hexanal		100	C6H12O	000066-25-1	80
3	Hexanal		100	C6H12O	000066-25-1	72
4	Hexanal		100	C6H12O	000066-25-1	72
5	Glutaraldehyde		100	C5H8O2	000111-30-8	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011160.D
Acq On : 31 May 2019 04:16
Operator : SY/MD
Sample : K3017-07RE
Misc : 4.01G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E0RE

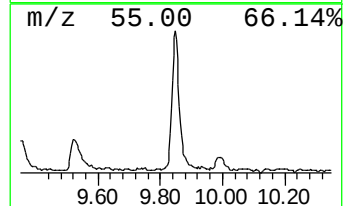
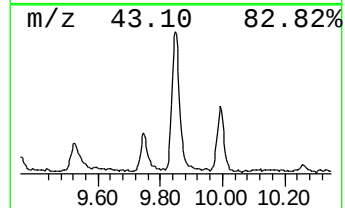
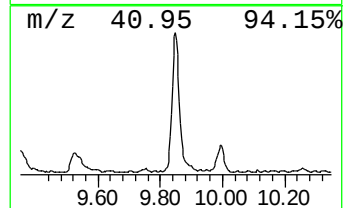
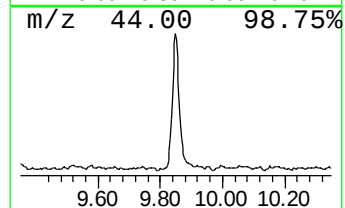
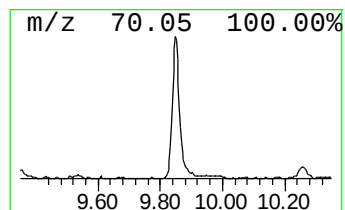
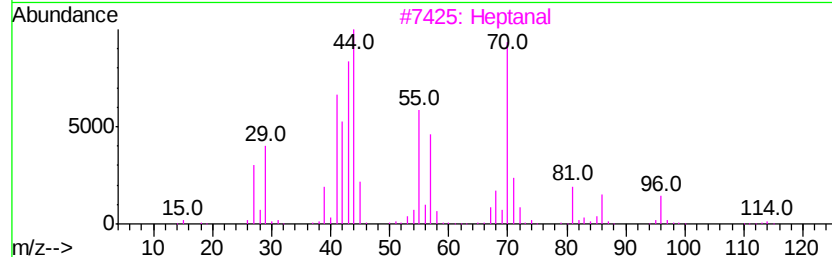
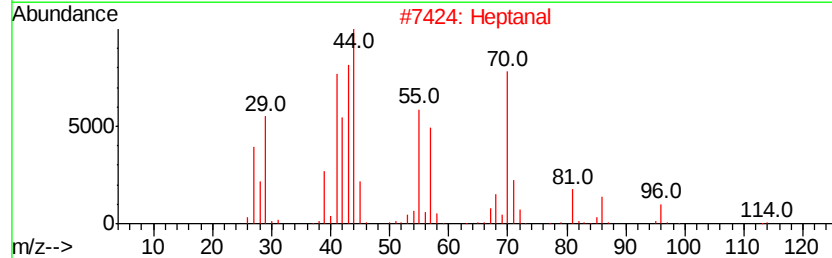
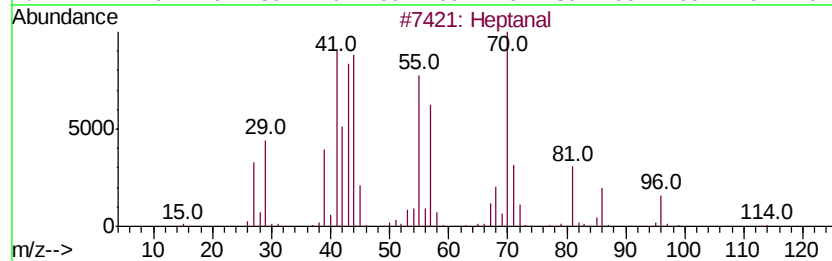
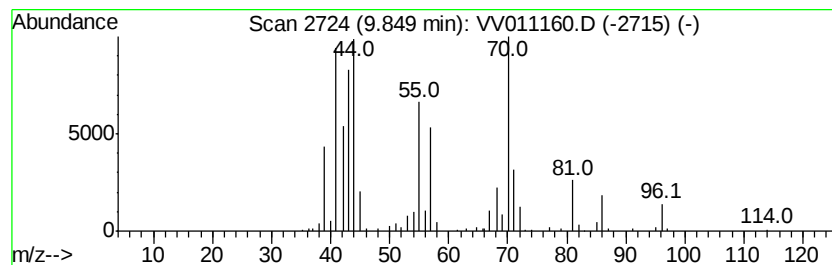
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Quant Title : VOC Analysis

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	4.45 ug/L	161099	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanal	114	C7H14O	000111-71-7	98
2		Heptanal	114	C7H14O	000111-71-7	91
3		Heptanal	114	C7H14O	000111-71-7	91
4		Heptanal	114	C7H14O	000111-71-7	76
5		Heptanal	114	C7H14O	000111-71-7	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011160.D
Acq On : 31 May 2019 04:16
Operator : SY/MD
Sample : K3017-07RE
Misc : 4.01G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E0RE

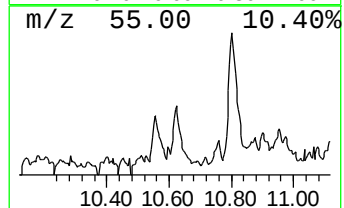
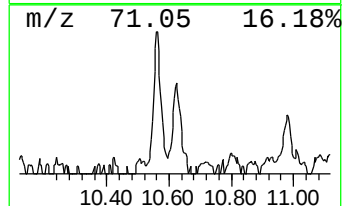
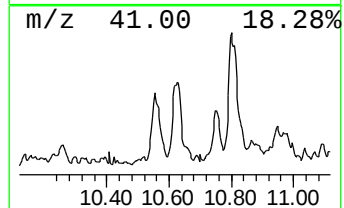
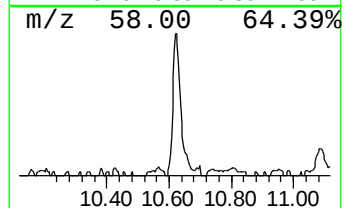
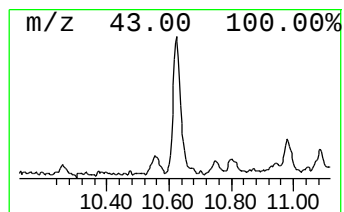
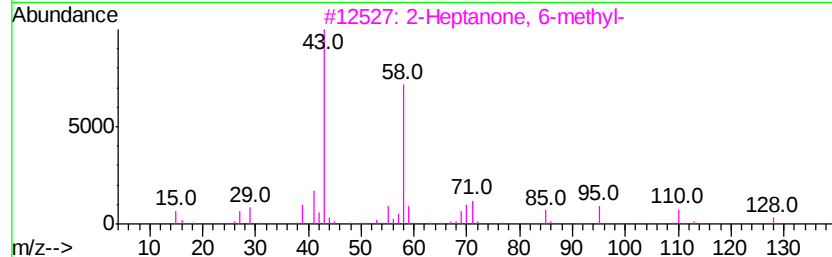
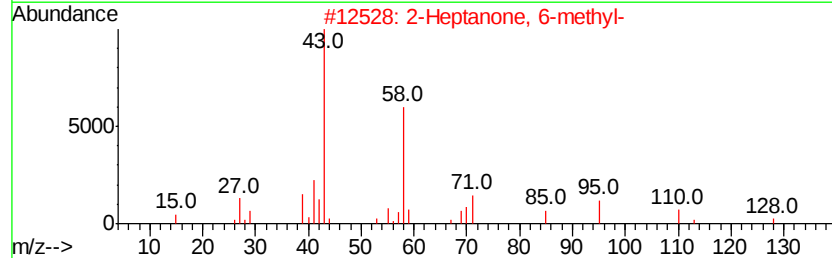
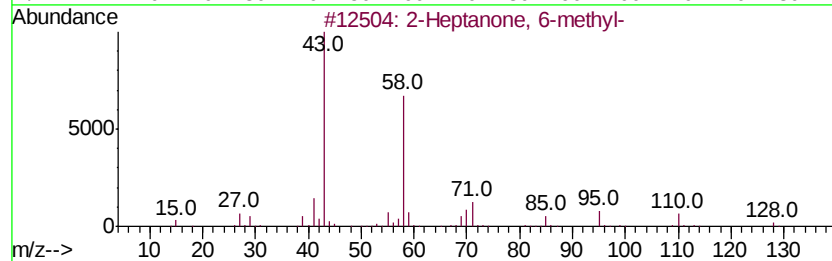
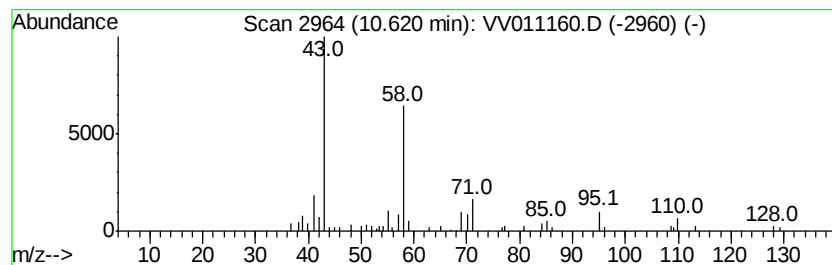
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Quant Title : VOC Analysis

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

Peak Number 8 2-Heptanone, 6-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	1.43 ug/L	34141	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	80
2		2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	80
3		2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	64
4		2-Isopropyl-5-oxohexanal	156	C9H16O2	015303-46-5	59
5		2-Octanone	128	C8H16O	000111-13-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011160.D
Acq On : 31 May 2019 04:16
Operator : SY/MD
Sample : K3017-07RE
Misc : 4.01G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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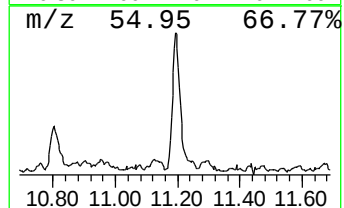
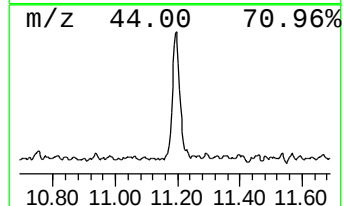
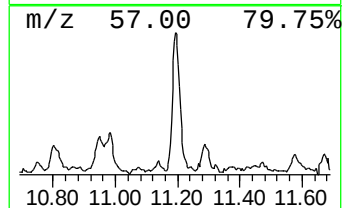
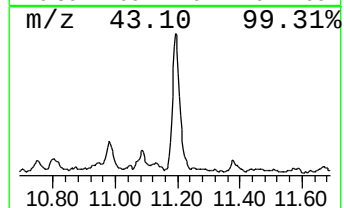
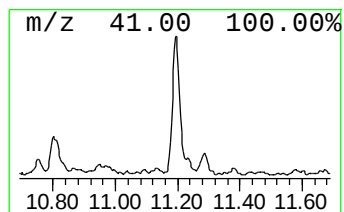
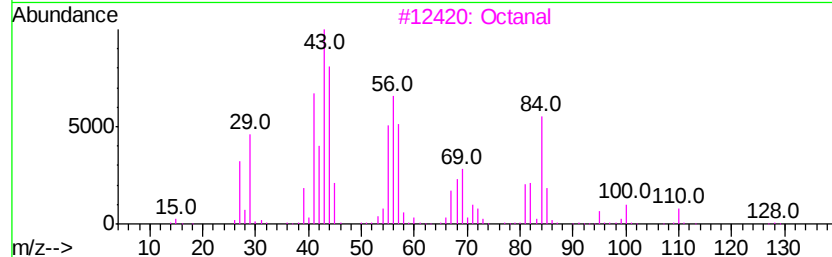
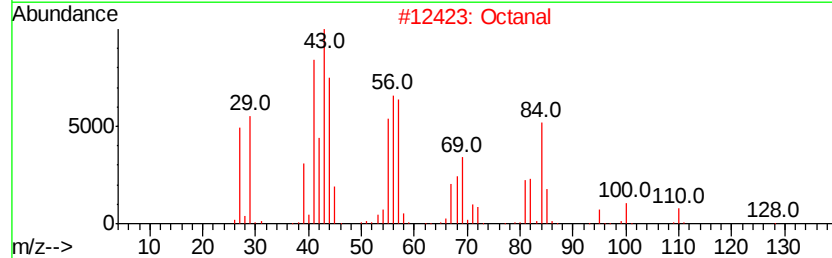
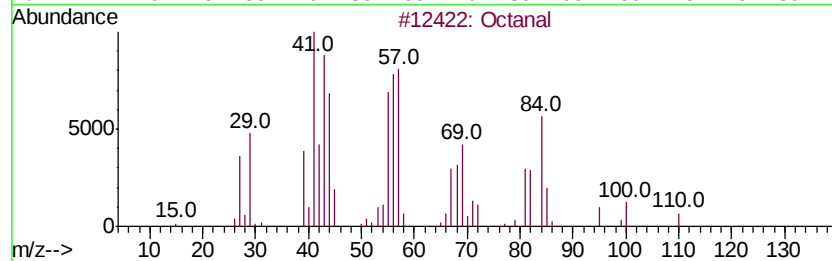
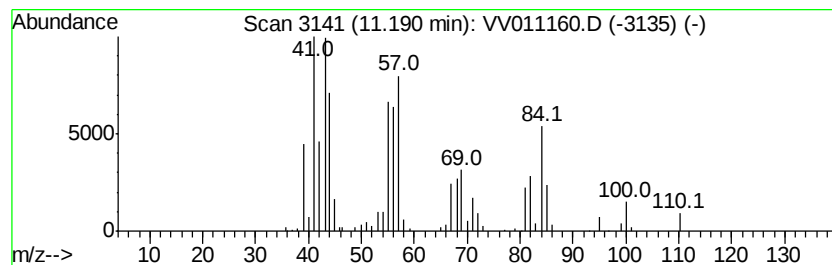
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Quant Title : VOC Analysis

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.
11.19	4.56 ug/L	109131	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octanal	128	C8H16O	000124-13-0	91
2		Octanal	128	C8H16O	000124-13-0	91
3		Octanal	128	C8H16O	000124-13-0	80
4		Octanal	128	C8H16O	000124-13-0	80
5		Octanal	128	C8H16O	000124-13-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
 Data File : VV011160.D
 Acq On : 31 May 2019 04:16
 Operator : SY/MD
 Sample : K3017-07RE
 Misc : 4.01G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
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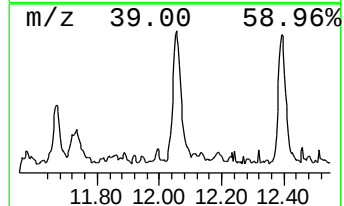
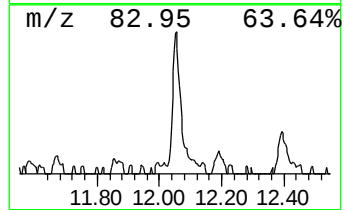
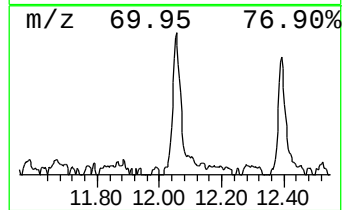
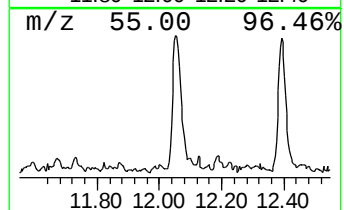
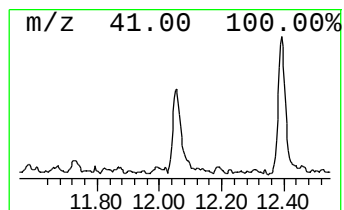
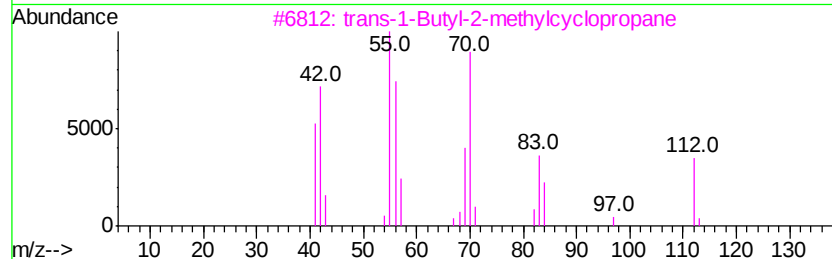
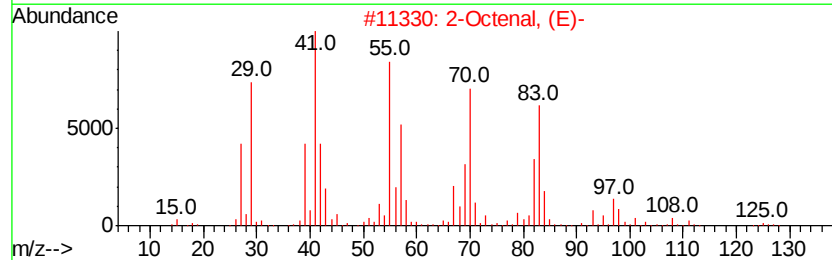
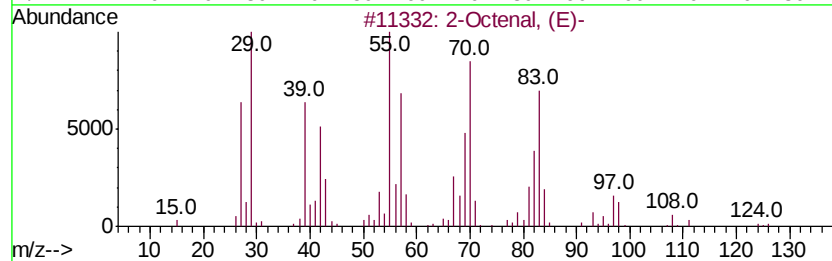
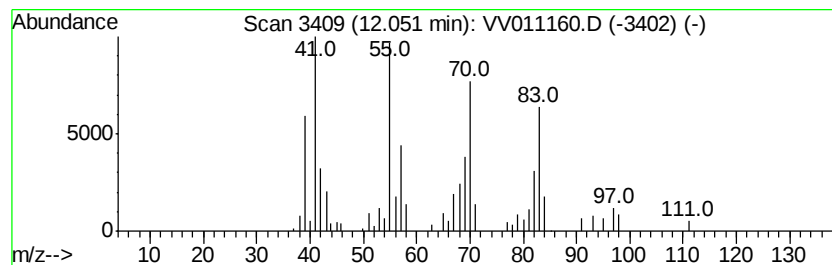
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 Quant Title : VOC Analysis

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

 Peak Number 10 2-Octenal, (E)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	2.08 ug/L	49720	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Octenal, (E)-	126	C8H14O	002548-87-0	80
2		2-Octenal, (E)-	126	C8H14O	002548-87-0	72
3		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	53
4		2-Ethylhexyl acrylate	184	C11H20O2	000103-11-7	43
5		2-Pentene, (E)-	70	C5H10	000646-04-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011160.D
Acq On : 31 May 2019 04:16
Operator : SY/MD
Sample : K3017-07RE
Misc : 4.01G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E0RE

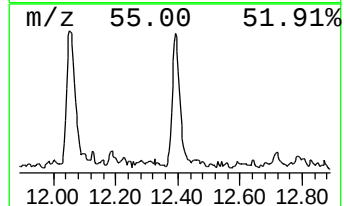
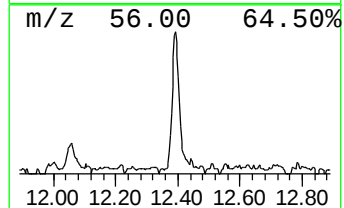
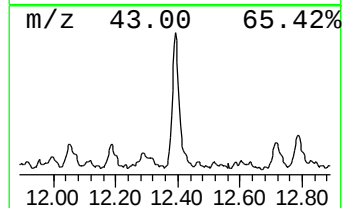
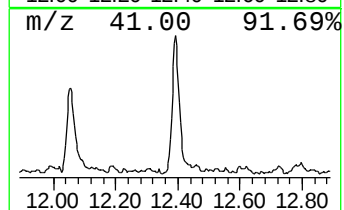
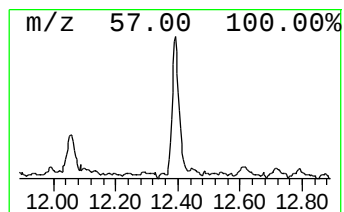
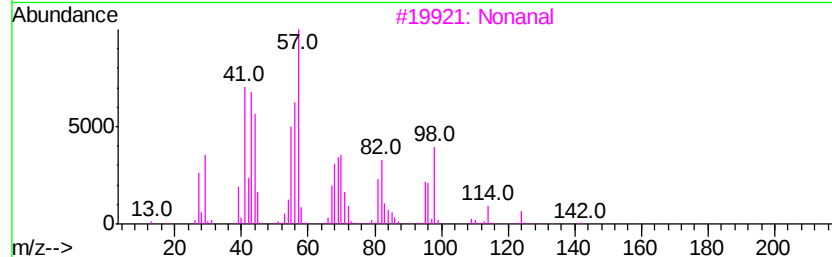
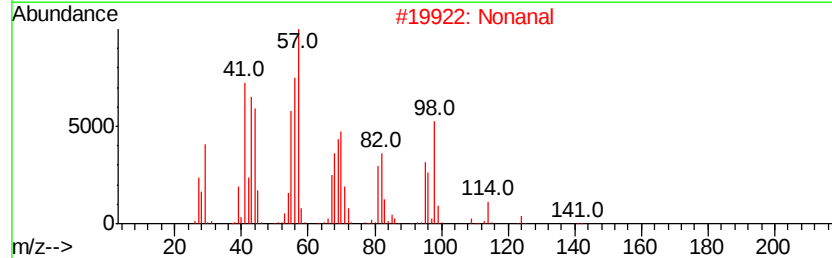
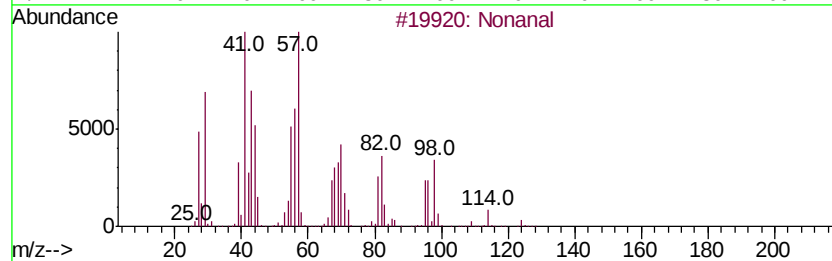
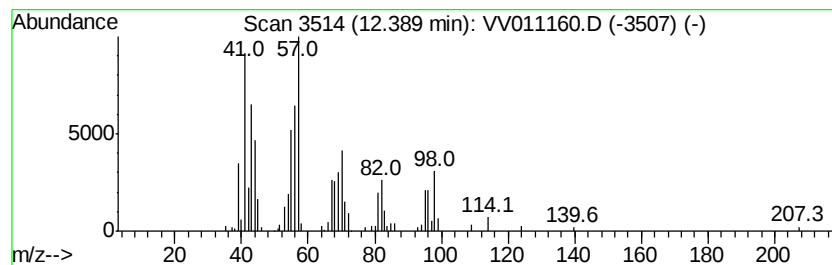
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Quant Title : VOC Analysis

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

Peak Number 11 Nonanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	3.23 ug/L	77285	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonanal	142	C9H18O	000124-19-6	91
2		Nonanal	142	C9H18O	000124-19-6	90
3		Nonanal	142	C9H18O	000124-19-6	80
4		2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	38
5		2-Nonen-1-ol	142	C9H18O	022104-79-6	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053019\
Data File : VV011160.D
Acq On : 31 May 2019 04:16
Operator : SY/MD
Sample : K3017-07RE
Misc : 4.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E0RE

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
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Butanal, 3-methyl-	5.37	1.6	ug/L	57285	1	5.66	891611	25.0
Pentanal	6.32	10.8	ug/L	383787	1	5.66	891611	25.0
Hexanal	8.28	51.7	ug/L	1871150	2	8.89	905578	25.0
Heptanal	9.85	4.5	ug/L	161099	2	8.89	905578	25.0
2-Heptanone, 6-me...	10.62	1.4	ug/L	34141	3	11.29	598814	25.0
Octanal	11.19	4.6	ug/L	109131	3	11.29	598814	25.0
2-Octenal, (E)-	12.05	2.1	ug/L	49720	3	11.29	598814	25.0
Nonanal	12.39	3.2	ug/L	77285	3	11.29	598814	25.0