

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
 Data File : VV011112.D
 Acq On : 29 May 2019 17:39
 Operator : SY/MD
 Sample : K3017-17
 Misc : 4.70G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51F0

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	1.116	4	8	27	rVB2	64391	99083	7.06%	0.828%
2	1.312	62	69	76	rVB	224528	211174	15.05%	1.766%
3	1.386	87	92	100	rBV	73910	71506	5.09%	0.598%
4	1.563	141	147	156	rVB	156880	174312	12.42%	1.457%
5	1.810	219	224	233	rVB	32843	39803	2.84%	0.333%
6	2.119	311	320	332	rVB2	364536	524063	37.34%	4.382%
7	2.187	334	341	352	rVB	91626	129020	9.19%	1.079%
8	2.987	582	590	605	rVB2	17364	34106	2.43%	0.285%
9	3.064	605	614	623	rBV4	6233	11016	0.78%	0.092%
10	3.126	630	633	638	rBV7	1486	1294	0.09%	0.011%
11	3.199	648	656	663	rBV7	5993	10687	0.76%	0.089%
12	3.479	739	743	745	rBV5	1432	1096	0.08%	0.009%
13	3.540	758	762	766	rBV5	1465	1539	0.11%	0.013%
14	3.749	812	827	850	rBV3	33546	85150	6.07%	0.712%
15	3.936	873	885	907	rBV	61522	164164	11.70%	1.373%
16	4.209	966	970	974	rBV6	1512	1302	0.09%	0.011%
17	4.232	974	977	982	rBV6	1466	1407	0.10%	0.012%
18	4.302	997	999	1002	rVB3	2034	1133	0.08%	0.009%
19	4.325	1002	1006	1009	rBV4	1975	1473	0.10%	0.012%
20	4.396	1011	1028	1047	rBV	222551	542414	38.65%	4.535%
21	4.711	1122	1126	1129	rBV5	1161	1108	0.08%	0.009%
22	4.759	1137	1141	1144	rBV5	1188	1086	0.08%	0.009%
23	4.923	1187	1192	1193	rBV3	1823	1248	0.09%	0.010%
24	5.090	1225	1244	1284	rBV2	559772	1403557	100.00%	11.735%
25	5.373	1318	1332	1346	rBV3	18079	44294	3.16%	0.370%
26	5.550	1378	1387	1407	rVV2	16911	48644	3.47%	0.407%
27	5.659	1408	1421	1456	rVV	452953	918273	65.42%	7.678%
28	5.958	1502	1514	1520	rBV	6655	14296	1.02%	0.120%
29	6.116	1549	1563	1580	rBV	311324	632387	45.06%	5.287%
30	6.328	1618	1629	1658	rVV2	125970	250247	17.83%	2.092%
31	6.547	1694	1697	1702	rVV6	1954	2079	0.15%	0.017%
32	6.646	1725	1728	1734	rVV7	1391	1377	0.10%	0.012%
33	6.817	1777	1781	1785	rBV5	1616	1182	0.08%	0.010%
34	6.865	1793	1796	1800	rBV6	1229	1095	0.08%	0.009%

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Integration Parameters: LSCINT.P

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

35	6.923	1809	1814	1818	rBV7	1069	1179	0.08%	0.010%
36	7.029	1832	1847	1869	rBV	185946	334287	23.82%	2.795%
37	7.167	1887	1890	1891	rBV3	1789	1151	0.08%	0.010%
38	7.273	1916	1923	1930	rBV7	4660	7811	0.56%	0.065%
39	7.357	1934	1949	1966	rBV	618267	1089209	77.60%	9.107%
40	7.662	2033	2044	2060	rBV	122447	208513	14.86%	1.743%
41	7.878	2108	2111	2115	rVV4	1523	1385	0.10%	0.012%
42	7.977	2132	2142	2151	rBV7	7912	16699	1.19%	0.140%
43	8.132	2179	2190	2206	rBV	227685	400341	28.52%	3.347%
44	8.280	2225	2236	2268	rBV	694168	1146916	81.71%	9.589%
45	8.537	2313	2316	2322	rVB7	1135	1087	0.08%	0.009%
46	8.714	2369	2371	2375	rVB3	1762	1219	0.09%	0.010%
47	8.894	2411	2427	2448	rBV	621601	1034638	73.72%	8.650%
48	9.058	2471	2478	2480	rBV7	2989	3543	0.25%	0.030%
49	9.106	2488	2493	2495	rBV5	1676	1597	0.11%	0.013%
50	9.180	2513	2516	2523	rBV4	3388	3790	0.27%	0.032%
51	9.251	2528	2538	2563	rVB3	30242	102573	7.31%	0.858%
52	9.530	2617	2625	2636	rBV3	10337	20816	1.48%	0.174%
53	9.749	2685	2693	2699	rBV3	4616	7318	0.52%	0.061%
54	9.852	2716	2725	2741	rVB2	35101	58867	4.19%	0.492%
55	10.170	2820	2824	2830	rVB9	1494	1435	0.10%	0.012%
56	10.260	2838	2852	2870	rBV	252736	402905	28.71%	3.369%
57	10.421	2896	2902	2911	rVB2	9604	15490	1.10%	0.130%
58	10.566	2935	2947	2953	rBV9	5782	12689	0.90%	0.106%
59	10.627	2959	2966	2979	rVV2	13138	22362	1.59%	0.187%
60	10.759	2999	3007	3015	rBV2	6196	11055	0.79%	0.092%
61	10.804	3015	3021	3038	rVB10	12847	27398	1.95%	0.229%
62	10.964	3059	3071	3072	rBV3	9258	15173	1.08%	0.127%
63	11.083	3101	3108	3118	rBV3	2637	4701	0.33%	0.039%
64	11.135	3118	3124	3130	rBV10	4449	5213	0.37%	0.044%
65	11.196	3135	3143	3153	rBV3	25092	40433	2.88%	0.338%
66	11.296	3161	3174	3190	rBV	437803	709693	50.56%	5.934%
67	11.582	3251	3263	3271	rBV5	7808	14950	1.07%	0.125%
68	11.672	3276	3291	3304	rBV	366199	604898	43.10%	5.057%
69	11.833	3337	3341	3346	rVB8	2779	2722	0.19%	0.023%
70	11.945	3372	3376	3379	rVV6	1930	1791	0.13%	0.015%
71	11.980	3383	3387	3391	rBV7	1826	1982	0.14%	0.017%

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72	12.054	3403	3410	3419	rVB9	11932	19907	1.42%	0.166%
73	12.193	3445	3453	3457	rBV9	2142	3163	0.23%	0.026%
74	12.292	3475	3484	3504	rBV2	9955	21330	1.52%	0.178%
75	12.392	3506	3515	3526	rBV6	17520	30468	2.17%	0.255%
76	12.517	3552	3554	3563	rVB8	3130	3142	0.22%	0.026%
77	12.588	3571	3576	3578	rBV4	1193	1159	0.08%	0.010%
78	12.652	3593	3596	3599	rVV5	1398	1088	0.08%	0.009%
79	12.694	3603	3609	3610	rVV4	1926	1905	0.14%	0.016%
80	12.720	3610	3617	3627	rVB6	8292	13069	0.93%	0.109%
81	12.788	3629	3638	3646	rBV6	4336	8169	0.58%	0.068%
82	12.932	3678	3683	3689	rVB7	3237	3674	0.26%	0.031%
83	12.997	3700	3703	3705	rVV4	1654	1392	0.10%	0.012%
84	13.009	3705	3707	3711	rVB4	2203	1382	0.10%	0.012%
85	13.038	3711	3716	3720	rBV7	1767	1787	0.13%	0.015%
86	13.083	3726	3730	3733	rVB6	1367	1254	0.09%	0.010%
87	13.112	3733	3739	3742	rBV7	2982	3225	0.23%	0.027%
88	13.186	3755	3762	3763	rBV6	3654	3389	0.24%	0.028%
89	13.312	3795	3801	3803	rBV7	1375	1586	0.11%	0.013%
90	13.485	3848	3855	3862	rBV7	3828	7172	0.51%	0.060%
91	13.630	3894	3900	3907	rBV8	3820	5983	0.43%	0.050%
92	14.090	4030	4043	4053	rBV2	17371	34342	2.45%	0.287%
93	14.382	4131	4134	4138	rBV5	2131	1751	0.12%	0.015%
94	14.521	4174	4177	4181	rVB3	1831	1188	0.08%	0.010%
95	15.099	4353	4357	4359	rBV5	1488	1293	0.09%	0.011%
96	15.215	4390	4393	4396	rVB3	2017	1289	0.09%	0.011%
97	15.636	4521	4524	4526	rBV4	2797	1803	0.13%	0.015%
98	15.903	4602	4607	4617	rVB9	5698	8454	0.60%	0.071%
99	16.122	4671	4675	4682	rVB10	4021	5082	0.36%	0.042%
100	16.504	4790	4794	4802	rVB5	5762	6588	0.47%	0.055%

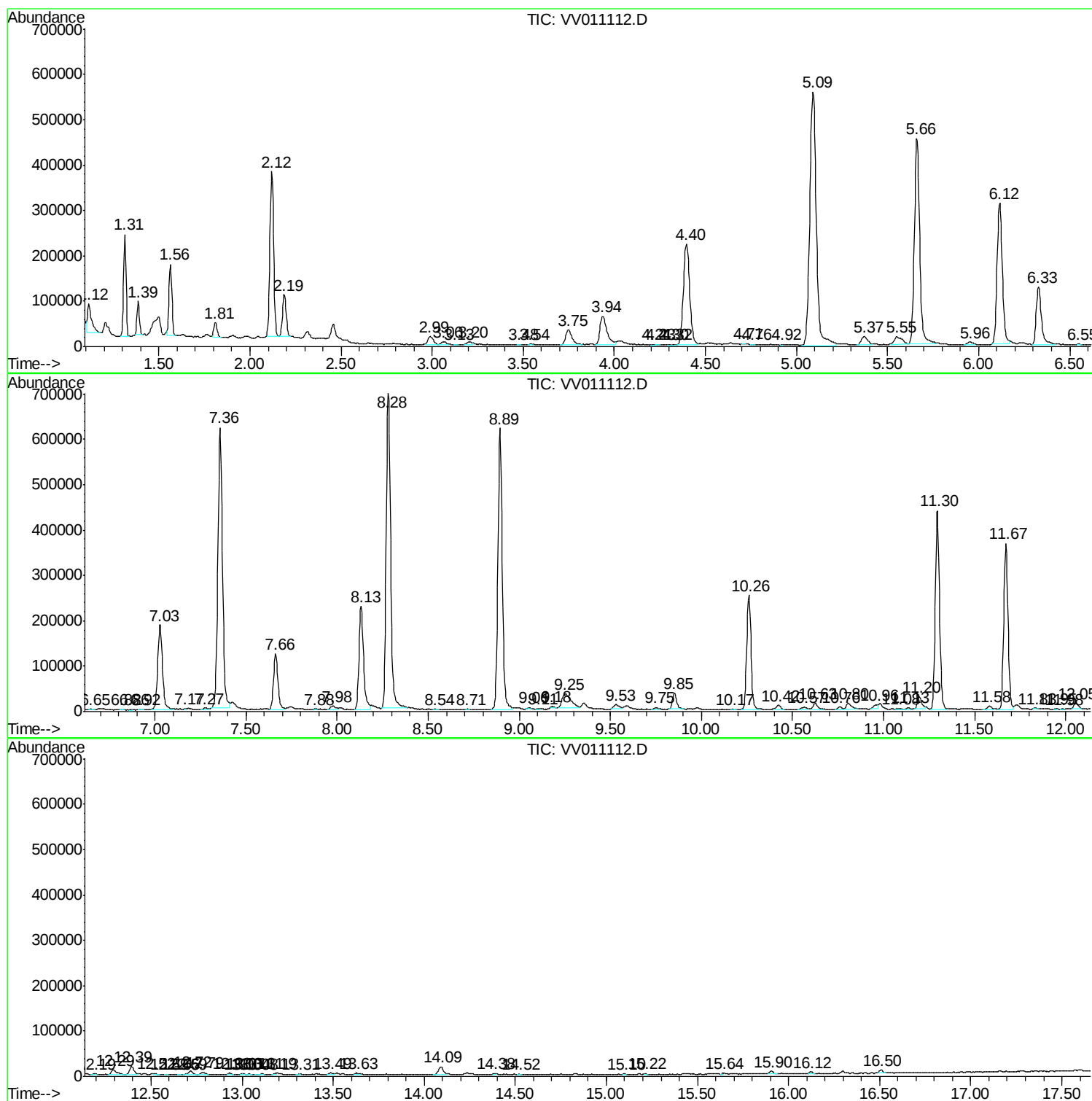
Sum of corrected areas: 11960478

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Instrument :
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ClientSampled :
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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



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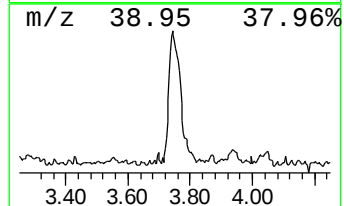
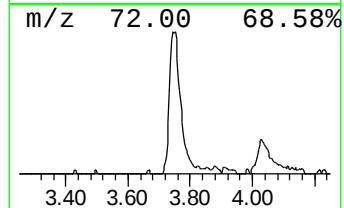
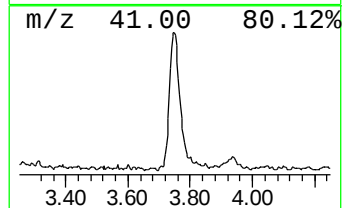
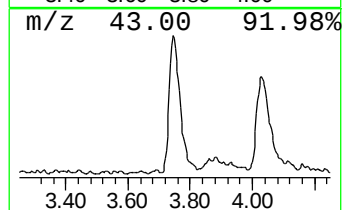
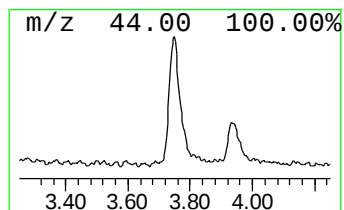
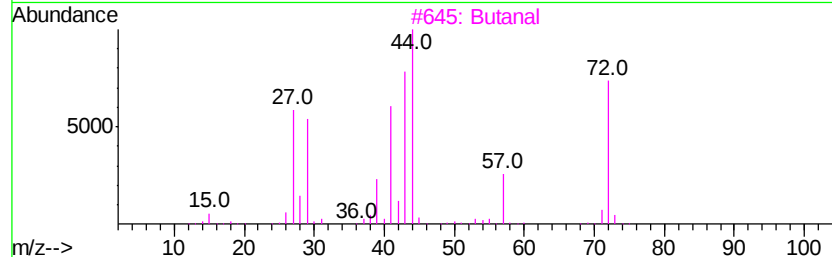
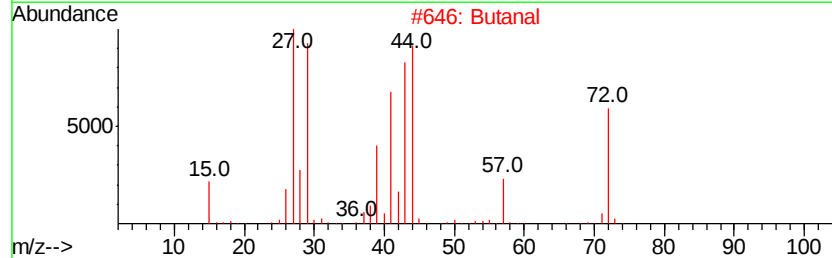
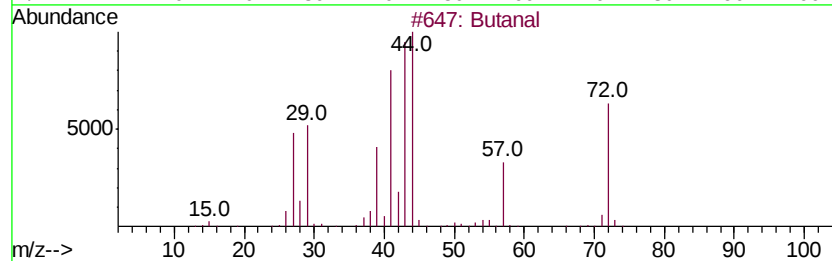
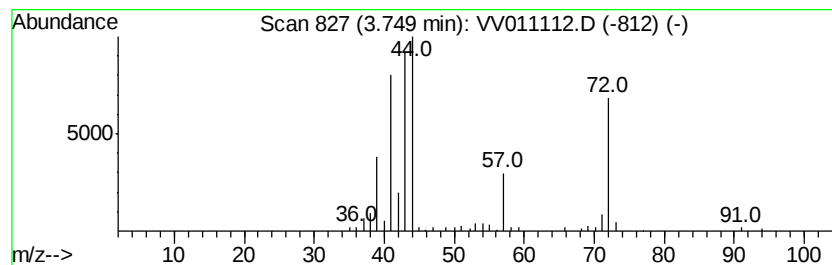
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 3 Butanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	2.32 ug/L	85150	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	86
4		Butanal	72	C4H8O	000123-72-8	80
5		Ethene, ethoxy-	72	C4H8O	000109-92-2	64



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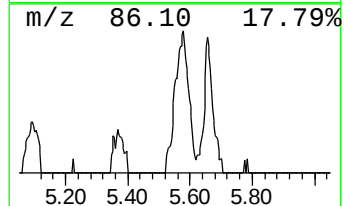
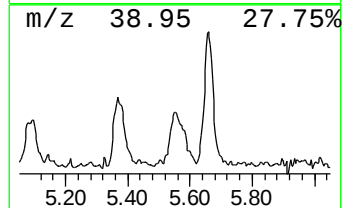
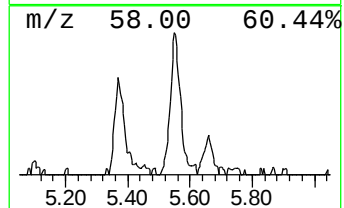
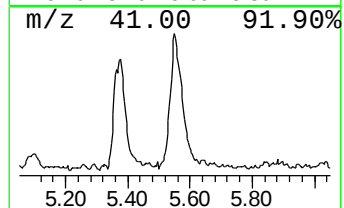
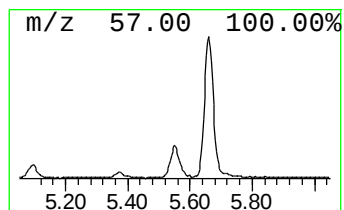
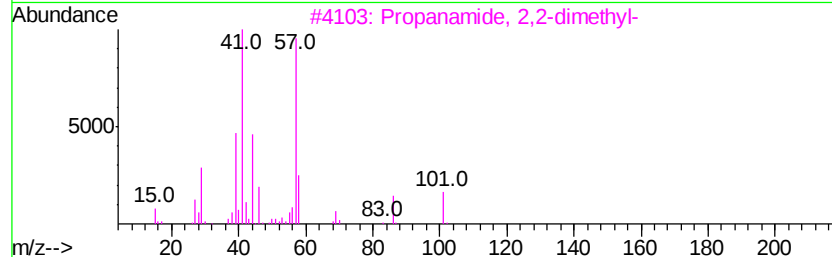
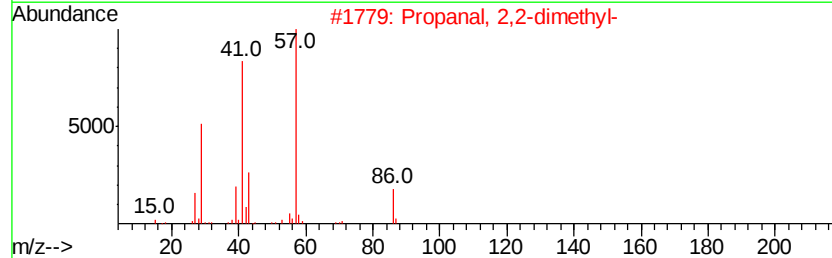
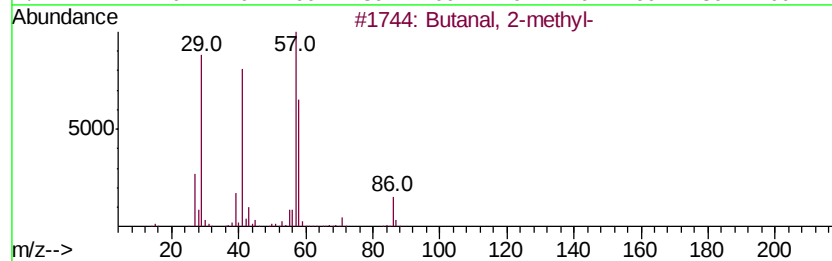
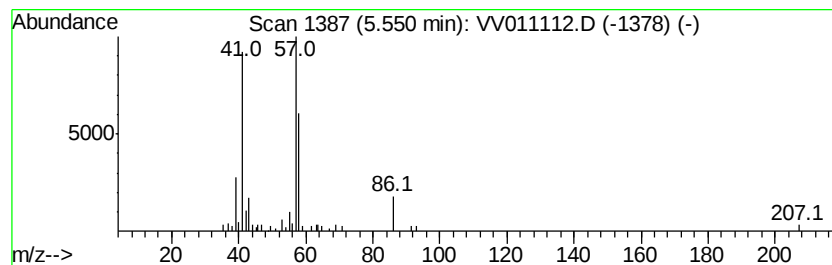
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 4 Butanal, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	1.32 ug/L	48644	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal, 2-methyl-	86	C5H10O	000096-17-3	50
2		Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	46
3		Propanamide, 2,2-dimethyl-	101	C5H11NO	000754-10-9	36
4		Butanal, 2-methyl-	86	C5H10O	000096-17-3	36
5		Cyclopropane, (methoxymethyl)-	86	C5H10O	001003-13-0	35



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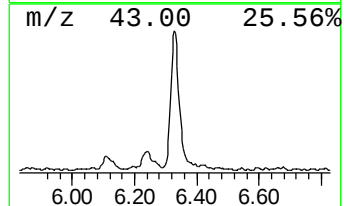
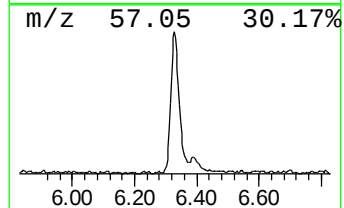
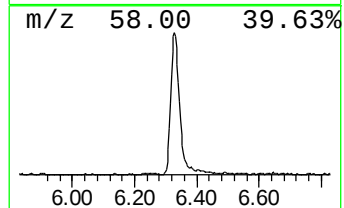
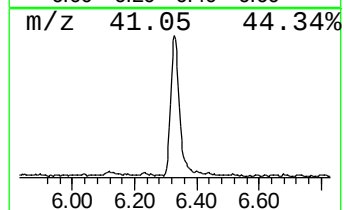
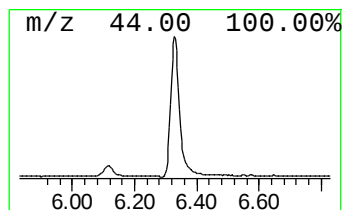
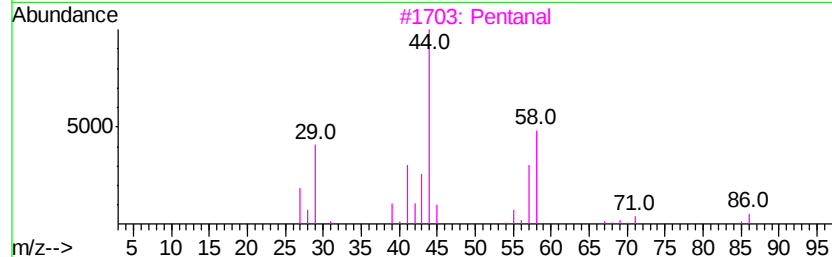
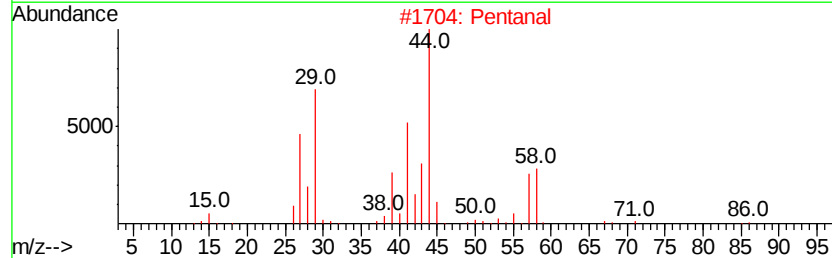
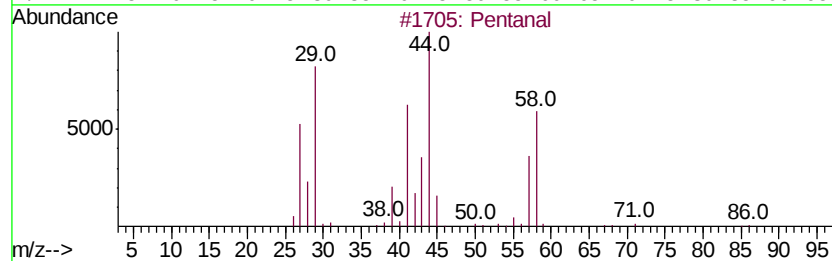
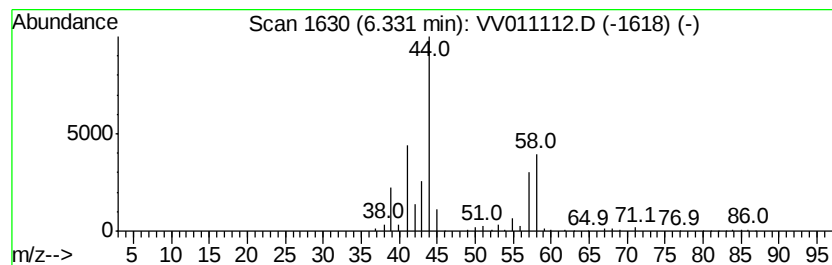
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Quant Title : VOC Analysis

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

Peak Number 5 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	6.81 ug/L	250247	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	91
2		Pentanal	86	C5H10O	000110-62-3	90
3		Pentanal	86	C5H10O	000110-62-3	64
4		Butanal, 3-methyl-	86	C5H10O	000590-86-3	42
5		Cyclopropyl carbinol	72	C4H8O	002516-33-8	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011112.D
Acq On : 29 May 2019 17:39
Operator : SY/MD
Sample : K3017-17
Misc : 4.70G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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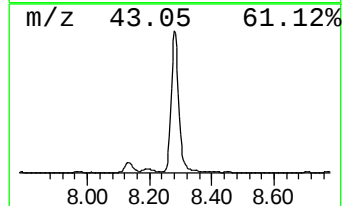
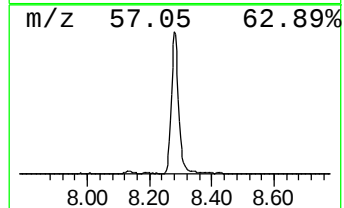
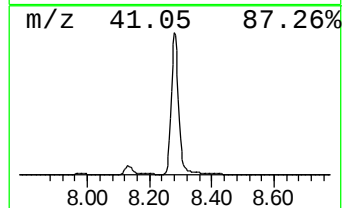
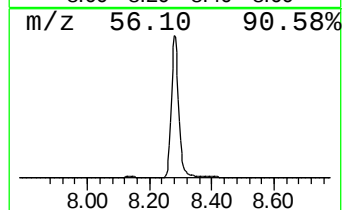
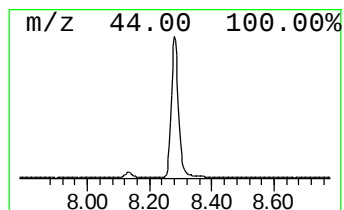
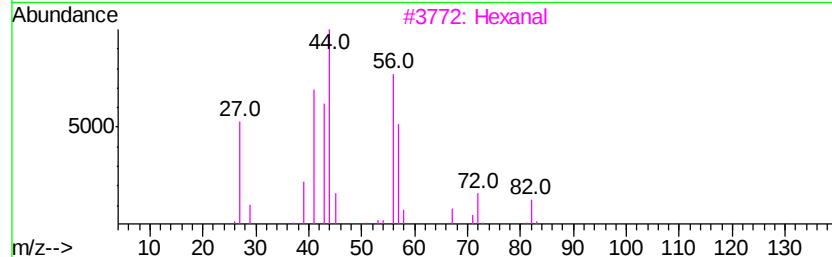
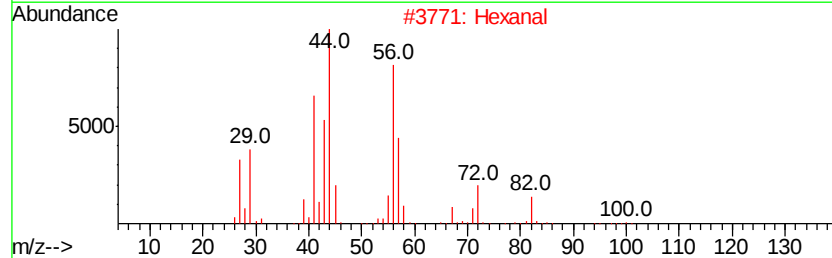
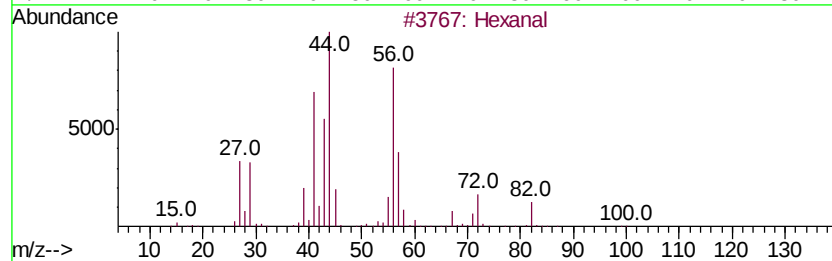
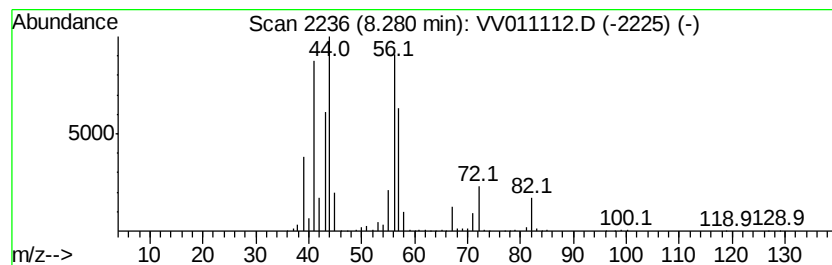
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Quant Title : VOC Analysis

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

Peak Number 7 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	27.71 ug/L	1146920	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		2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	32



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011112.D
Acq On : 29 May 2019 17:39
Operator : SY/MD
Sample : K3017-17
Misc : 4.70G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F0

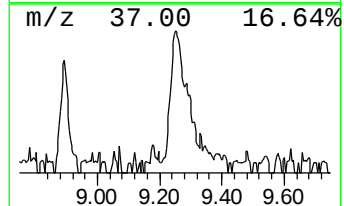
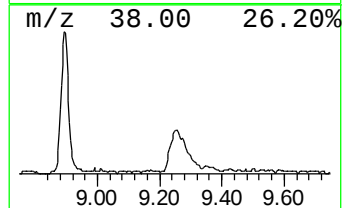
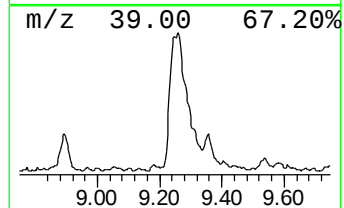
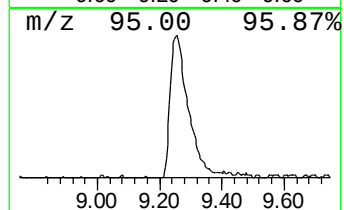
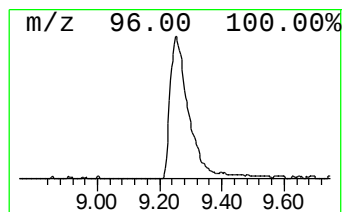
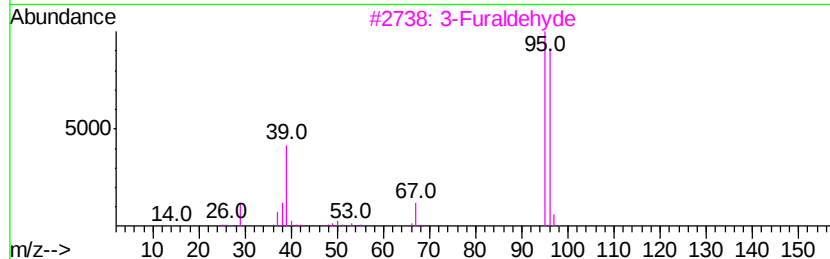
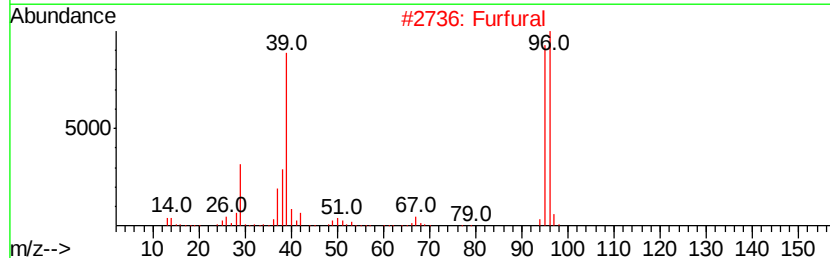
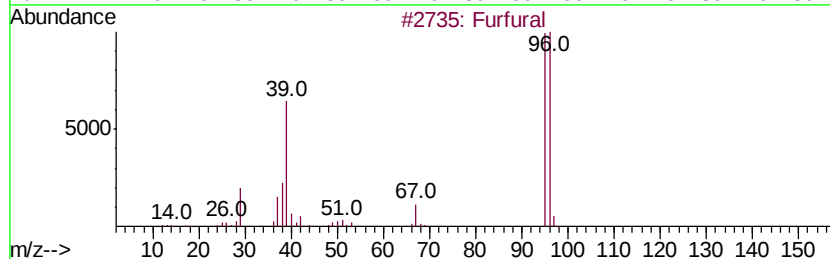
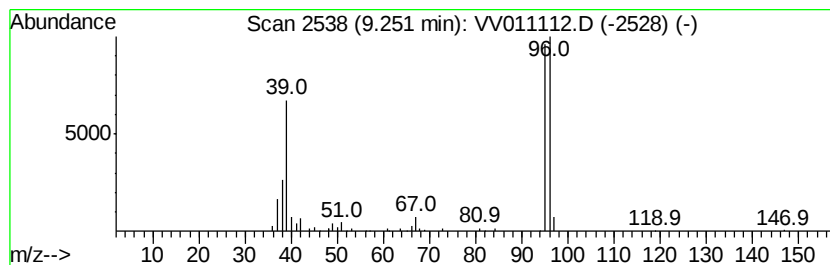
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Quant Title : VOC Analysis

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

Peak Number 8 Furfural Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	2.48 ug/L	102573	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural		96	C5H4O2	000098-01-1	94
2	Furfural		96	C5H4O2	000098-01-1	91
3	3-Furaldehyd		96	C5H4O2	000498-60-2	91
4	Furfural		96	C5H4O2	000098-01-1	76
5	3(2H)-Pyridazinone		96	C4H4N2O	000504-30-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011112.D
Acq On : 29 May 2019 17:39
Operator : SY/MD
Sample : K3017-17
Misc : 4.70G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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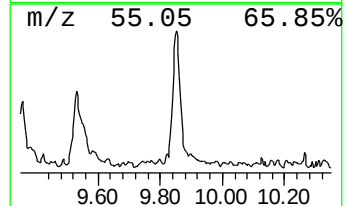
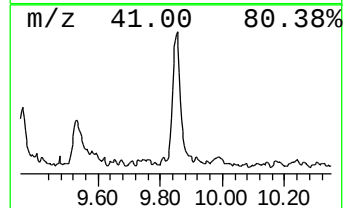
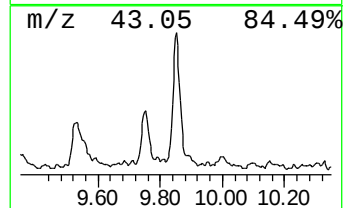
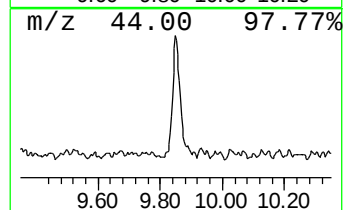
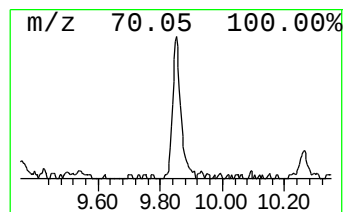
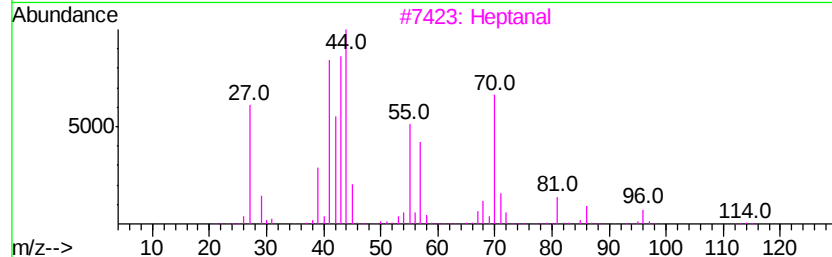
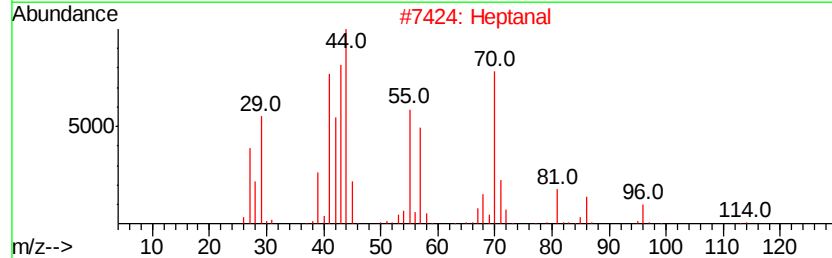
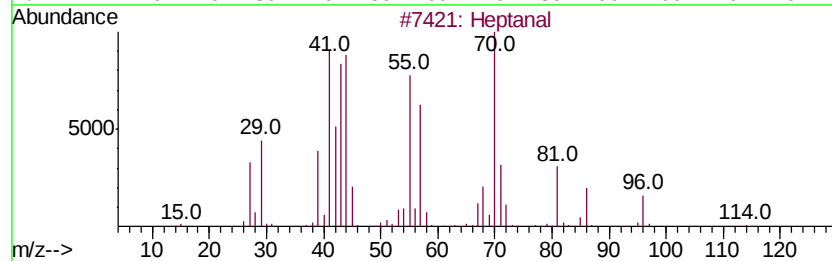
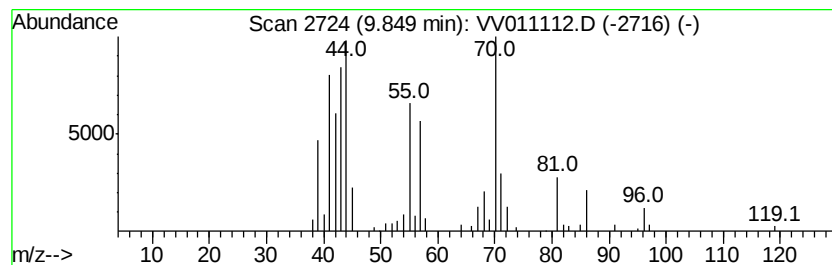
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Quant Title : VOC Analysis

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

Peak Number 9 Heptanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	1.42 ug/L	58867	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal		114	C7H14O	000111-71-7	90
2	Heptanal		114	C7H14O	000111-71-7	80
3	Heptanal		114	C7H14O	000111-71-7	72
4	Heptanal		114	C7H14O	000111-71-7	72
5	Heptanal		114	C7H14O	000111-71-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011112.D
Acq On : 29 May 2019 17:39
Operator : SY/MD
Sample : K3017-17
Misc : 4.70G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

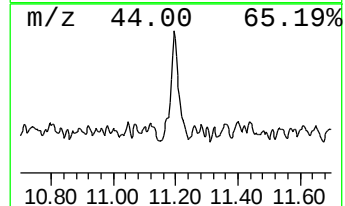
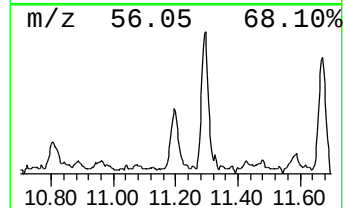
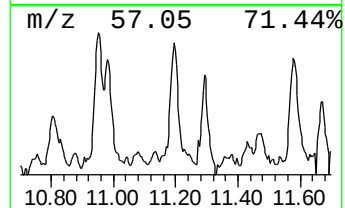
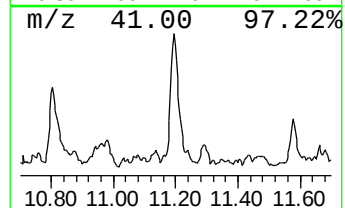
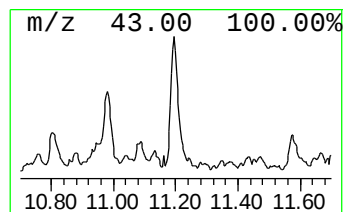
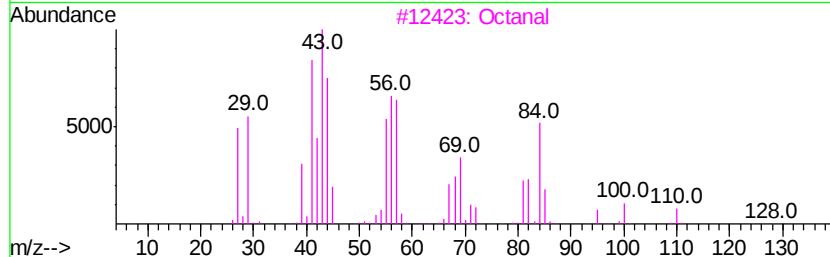
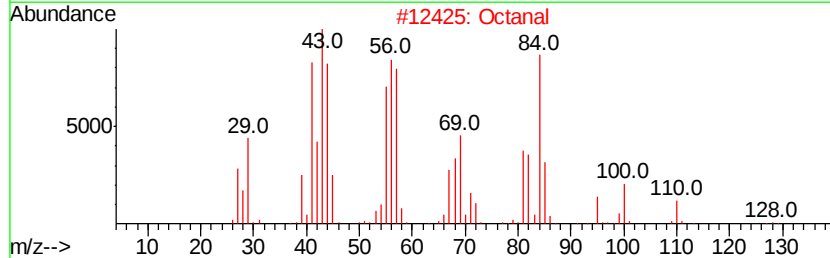
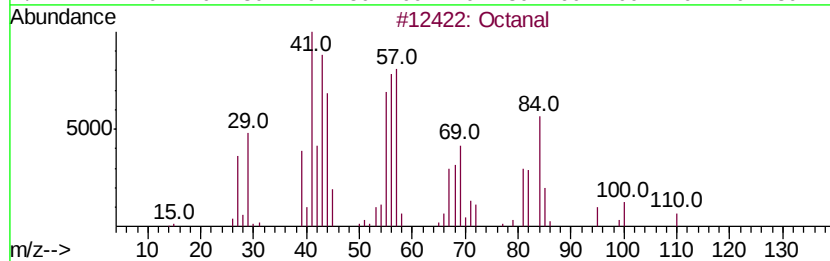
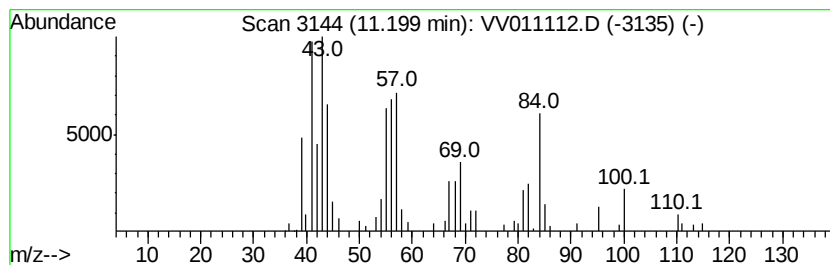
Instrument :
MSVOA_V
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 10 Octanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	1.42 ug/L	40433	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octanal		128 C8H16O	000124-13-0 87
2	Octanal		128 C8H16O	000124-13-0 83
3	Octanal		128 C8H16O	000124-13-0 72
4	Octanal		128 C8H16O	000124-13-0 64
5	1,2-Cyclopentanediol, trans-		102 C5H10O2	005057-99-8 47



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011112.D
Acq On : 29 May 2019 17:39
Operator : SY/MD
Sample : K3017-17
Misc : 4.70G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F0

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	2.3	ug/L	85150	1	5.66	918273	25.0
Butanal, 2-methyl-	5.55	1.3	ug/L	48644	1	5.66	918273	25.0
Pentanal	6.33	6.8	ug/L	250247	1	5.66	918273	25.0
Hexanal	8.28	27.7	ug/L	1146920	2	8.89	1034640	25.0
Furfural	9.25	2.5	ug/L	102573	2	8.89	1034640	25.0
Heptanal	9.85	1.4	ug/L	58867	2	8.89	1034640	25.0
Octanal	11.20	1.4	ug/L	40433	3	11.30	709693	25.0