

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
 Data File : VV011034.D
 Acq On : 23 May 2019 18:29
 Operator : SY/MD
 Sample : K3016-01
 Misc : 4.81G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51C0

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\SOM2VLM052019S.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	64	70	82	rVB	37495	36748	8.24%	1.174%
2	1.386	88	92	106	rVB	13109	14872	3.33%	0.475%
3	1.560	140	146	156	rVB	24897	28371	6.36%	0.906%
4	1.811	219	224	233	rVB2	5346	6352	1.42%	0.203%
5	2.042	291	296	300	rBV3	618	688	0.15%	0.022%
6	2.119	310	320	332	rVB2	63768	92158	20.66%	2.943%
7	2.190	333	342	351	rBV	18025	25804	5.79%	0.824%
8	2.315	377	381	384	rVV3	992	824	0.18%	0.026%
9	2.457	416	425	438	rVB	7160	10938	2.45%	0.349%
10	2.531	440	448	457	rBV5	2929	4810	1.08%	0.154%
11	2.994	583	592	598	rBV3	1504	2519	0.56%	0.080%
12	3.065	605	614	625	rVB2	3423	6624	1.49%	0.212%
13	3.145	634	639	642	rBV2	208	238	0.05%	0.008%
14	3.203	649	657	658	rBV3	814	836	0.19%	0.027%
15	3.344	695	701	709	rBV2	185	318	0.07%	0.010%
16	3.688	800	808	811	rBV2	355	470	0.11%	0.015%
17	3.746	817	826	847	rVB3	5313	13552	3.04%	0.433%
18	3.936	874	885	907	rBV	19677	52382	11.75%	1.673%
19	4.225	973	975	982	rVB2	196	218	0.05%	0.007%
20	4.396	1012	1028	1050	rVV2	58788	141256	31.67%	4.512%
21	4.492	1054	1058	1059	rBV3	582	375	0.08%	0.012%
22	4.759	1136	1141	1144	rBV2	205	233	0.05%	0.007%
23	5.090	1225	1244	1263	rBV3	132894	326309	73.17%	10.422%
24	5.373	1318	1332	1344	rBV5	2744	6024	1.35%	0.192%
25	5.537	1376	1383	1384	rBV2	967	792	0.18%	0.025%
26	5.576	1387	1395	1408	rVB3	4195	8509	1.91%	0.272%
27	5.663	1409	1422	1437	rBV	118785	231861	51.99%	7.406%
28	6.116	1547	1563	1581	rBV	81336	160795	36.05%	5.136%
29	6.328	1618	1629	1648	rBV2	29228	56749	12.72%	1.813%
30	6.585	1707	1709	1714	rVB2	235	212	0.05%	0.007%
31	6.653	1724	1730	1735	rBV3	431	468	0.10%	0.015%
32	6.704	1740	1746	1751	rVB3	736	1056	0.24%	0.034%
33	6.733	1751	1755	1759	rBV2	494	489	0.11%	0.016%
34	6.826	1778	1784	1787	rBV2	218	289	0.06%	0.009%

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35	7.029	1836	1847	1870	rVB2	38435	68152	15.28%	2.177%
36	7.183	1889	1895	1897	rBV2	681	675	0.15%	0.022%
37	7.357	1931	1949	1965	rBV	136288	249491	55.94%	7.969%
38	7.498	1989	1993	1997	rVB2	437	353	0.08%	0.011%
39	7.560	2007	2012	2015	rVB	263	229	0.05%	0.007%
40	7.601	2020	2025	2027	rBV3	513	416	0.09%	0.013%
41	7.662	2034	2044	2062	rBV	26433	44628	10.01%	1.425%
42	7.740	2062	2068	2070	rBV3	1121	1067	0.24%	0.034%
43	7.801	2080	2087	2089	rBV	278	337	0.08%	0.011%
44	7.849	2097	2102	2104	rBV2	279	216	0.05%	0.007%
45	7.888	2108	2114	2117	rBV	428	312	0.07%	0.010%
46	7.920	2121	2124	2126	rBV2	404	334	0.07%	0.011%
47	7.974	2136	2141	2144	rBV4	1729	1768	0.40%	0.056%
48	8.132	2179	2190	2208	rBV	76856	133606	29.96%	4.267%
49	8.280	2225	2236	2261	rBV	274253	445978	100.00%	14.244%
50	8.894	2413	2427	2448	rBV	171977	285609	64.04%	9.122%
51	9.048	2472	2475	2478	rBV2	264	211	0.05%	0.007%
52	9.190	2510	2519	2522	rBV2	627	901	0.20%	0.029%
53	9.251	2530	2538	2542	rBV5	4260	6465	1.45%	0.206%
54	9.354	2564	2570	2579	rVB6	2573	3878	0.87%	0.124%
55	9.527	2615	2624	2638	rBV5	3230	7546	1.69%	0.241%
56	9.640	2655	2659	2663	rBV3	300	335	0.08%	0.011%
57	9.717	2680	2683	2686	rVB3	351	256	0.06%	0.008%
58	9.740	2686	2690	2694	rBV3	532	499	0.11%	0.016%
59	9.852	2713	2725	2737	rBV4	17763	29543	6.62%	0.944%
60	9.997	2761	2770	2774	rVV7	813	1057	0.24%	0.034%
61	10.260	2841	2852	2870	rVB	92744	145632	32.65%	4.651%
62	10.421	2894	2902	2912	rBV3	2410	3716	0.83%	0.119%
63	10.559	2936	2945	2948	rBV4	1300	1607	0.36%	0.051%
64	10.627	2958	2966	2977	rBV6	2397	3938	0.88%	0.126%
65	10.756	3000	3006	3015	rVV5	2571	3928	0.88%	0.125%
66	10.807	3015	3022	3033	rVB7	2878	4880	1.09%	0.156%
67	10.897	3047	3050	3056	rVB2	239	243	0.05%	0.008%
68	10.958	3056	3069	3070	rBV4	1607	2042	0.46%	0.065%
69	11.084	3106	3108	3113	rVB2	450	360	0.08%	0.011%
70	11.132	3119	3123	3125	rBV2	261	218	0.05%	0.007%
71	11.196	3132	3143	3155	rBV4	15014	23648	5.30%	0.755%

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72	11.296	3162	3174	3191	rBV	127120	207527	46.53%	6.628%
73	11.469	3217	3228	3230	rBV2	337	559	0.13%	0.018%
74	11.579	3253	3262	3269	rBV5	1999	3044	0.68%	0.097%
75	11.672	3280	3291	3304	rBV	108042	169207	37.94%	5.404%
76	11.730	3305	3309	3316	rVB2	715	873	0.20%	0.028%
77	11.987	3387	3389	3391	rBV	502	264	0.06%	0.008%
78	12.055	3403	3410	3422	rBV5	5059	8343	1.87%	0.266%
79	12.251	3468	3471	3475	rVB2	350	275	0.06%	0.009%
80	12.293	3475	3484	3496	rBV4	1295	2465	0.55%	0.079%
81	12.389	3506	3514	3526	rVB3	11769	17647	3.96%	0.564%
82	12.717	3606	3616	3621	rBV7	1436	2095	0.47%	0.067%
83	12.932	3678	3683	3688	rVB4	609	675	0.15%	0.022%
84	13.109	3734	3738	3742	rBV	235	232	0.05%	0.007%
85	13.183	3755	3761	3773	rBV4	1998	2301	0.52%	0.073%
86	13.482	3849	3854	3863	rBV3	732	754	0.17%	0.024%
87	13.637	3898	3902	3907	rVB	550	442	0.10%	0.014%
88	14.231	4081	4087	4091	rVB5	1076	1096	0.25%	0.035%
89	14.376	4127	4132	4142	rVB4	977	1293	0.29%	0.041%
90	15.013	4325	4330	4335	rBV2	263	323	0.07%	0.010%
91	15.077	4344	4350	4352	rBV3	288	347	0.08%	0.011%
92	15.154	4370	4374	4377	rBV2	247	237	0.05%	0.008%
93	15.199	4384	4388	4392	rBV2	299	275	0.06%	0.009%
94	15.392	4442	4448	4450	rBV3	330	323	0.07%	0.010%
95	15.517	4485	4487	4493	rBV2	296	305	0.07%	0.010%
96	15.543	4493	4495	4500	rVB2	403	280	0.06%	0.009%
97	15.678	4533	4537	4540	rBV2	469	365	0.08%	0.012%
98	16.357	4746	4748	4753	rBV	365	271	0.06%	0.009%
99	16.694	4850	4853	4856	rBV	400	269	0.06%	0.009%
100	16.768	4871	4876	4879	rBV2	552	624	0.14%	0.020%

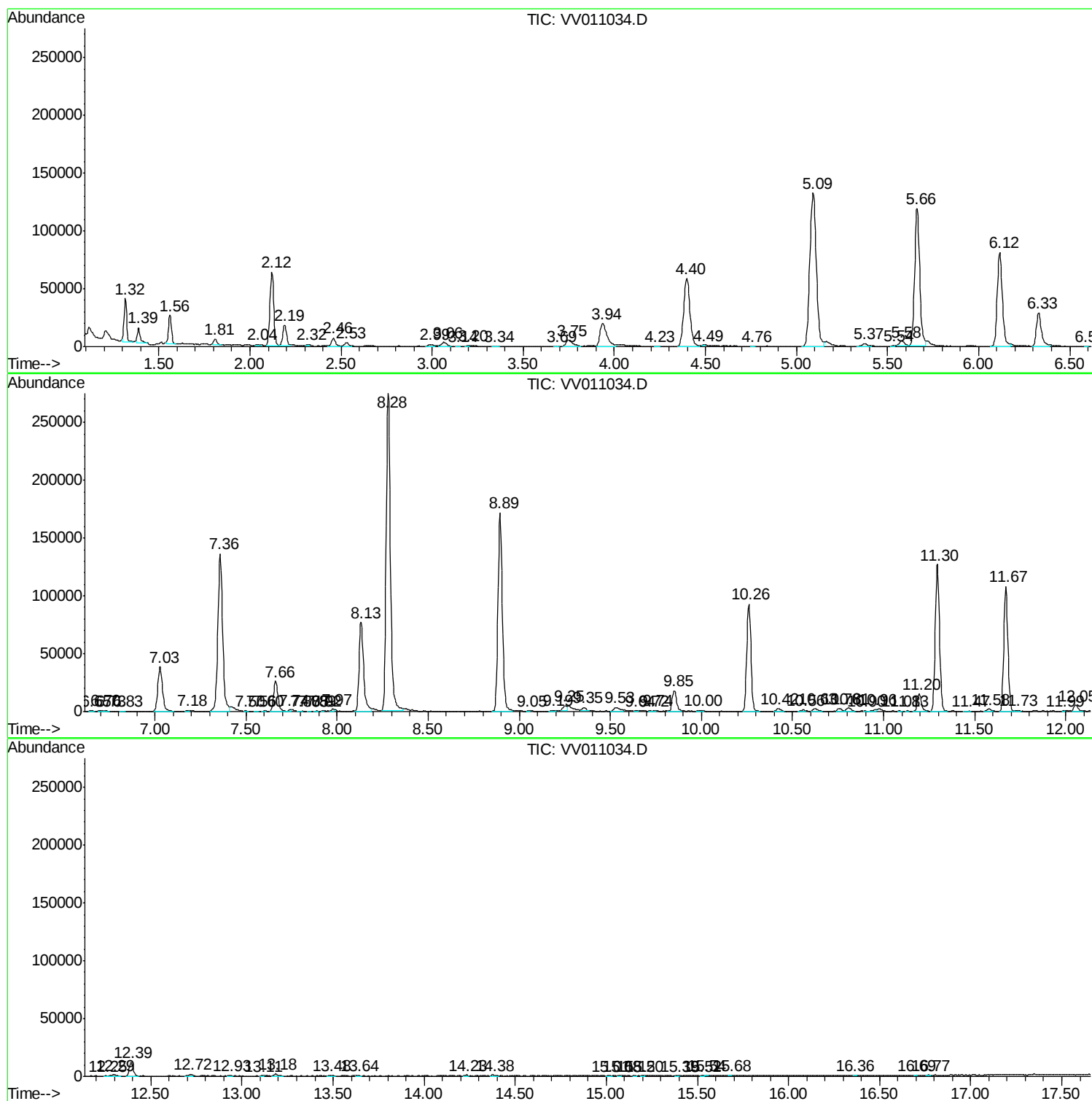
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM052019S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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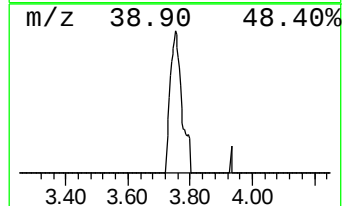
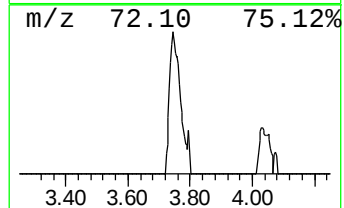
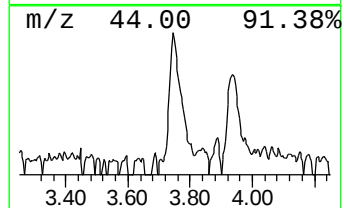
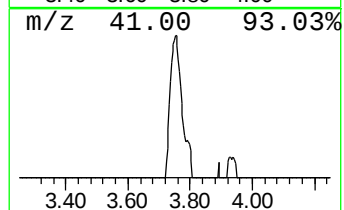
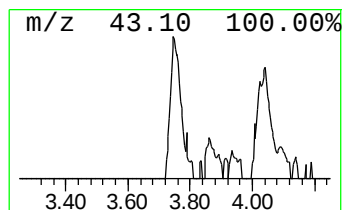
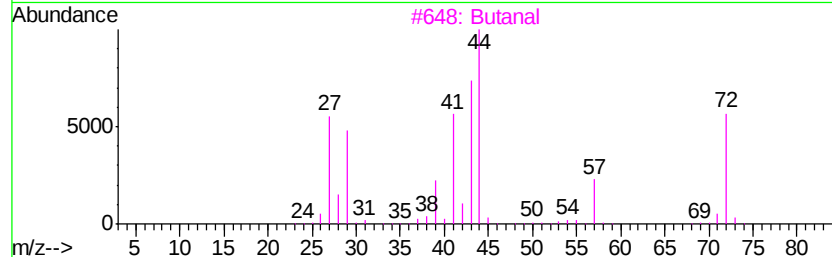
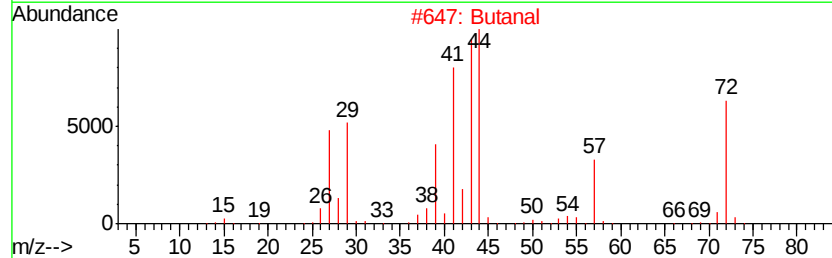
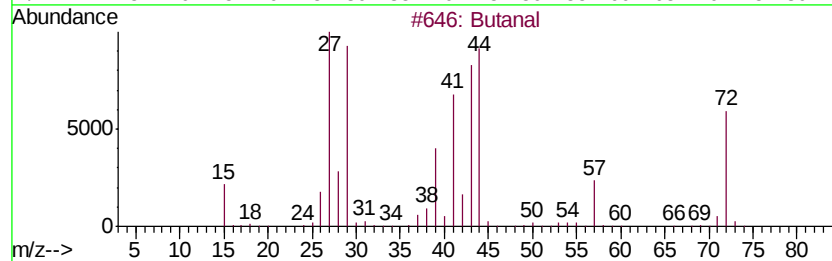
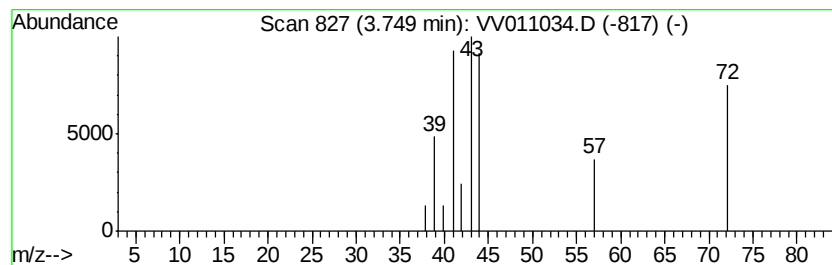
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Butanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	1.46 ug/L	13552	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	90
3	Butanal		72	C4H8O	000123-72-8	45
4	Propanal, 2-methyl-		72	C4H8O	000078-84-2	25
5	1-Propene, 3-methoxy-		72	C4H8O	000627-40-7	17



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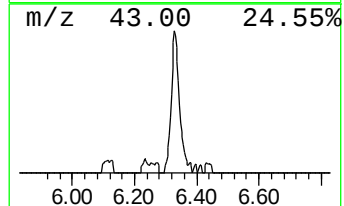
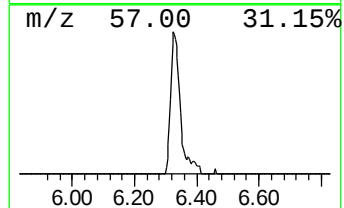
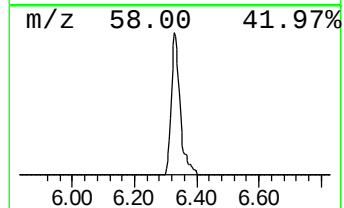
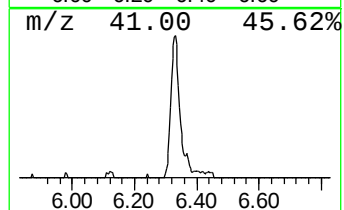
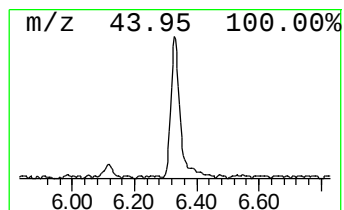
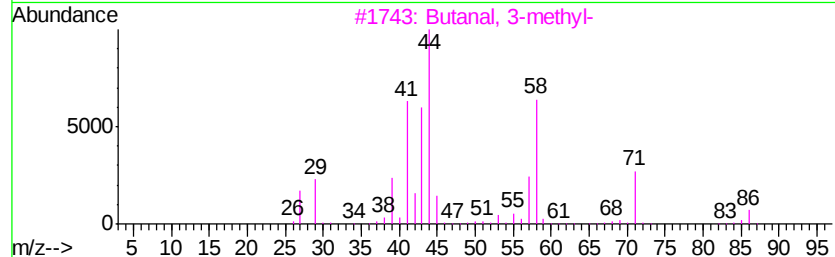
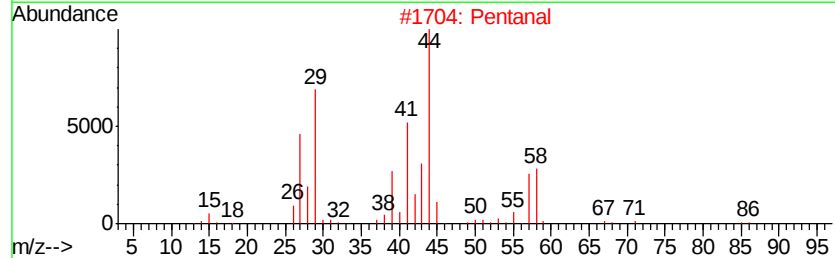
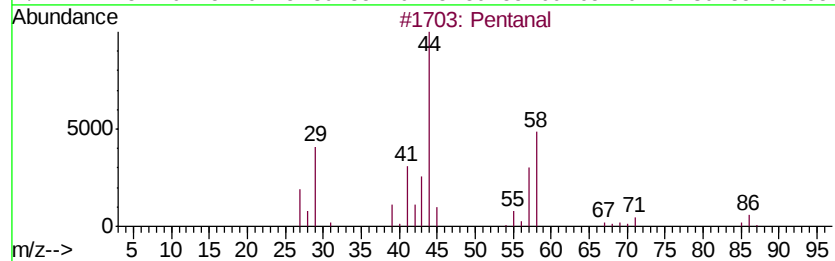
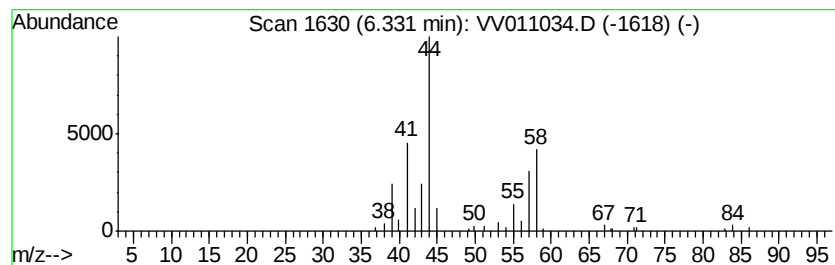
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Quant Title : VOC Analysis

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

Peak Number 3 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	6.12 ug/L	56749	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	78
2		Pentanal	86	C5H10O	000110-62-3	78
3		Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
4		Pentanal	86	C5H10O	000110-62-3	64
5		Cyclopropyl carbinol	72	C4H8O	002516-33-8	50



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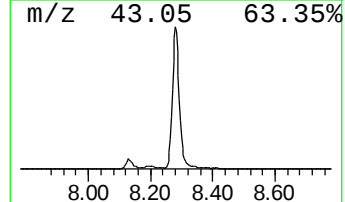
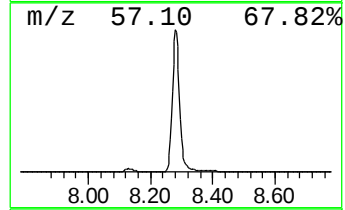
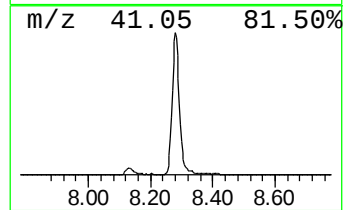
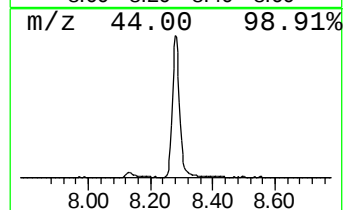
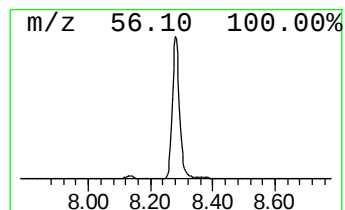
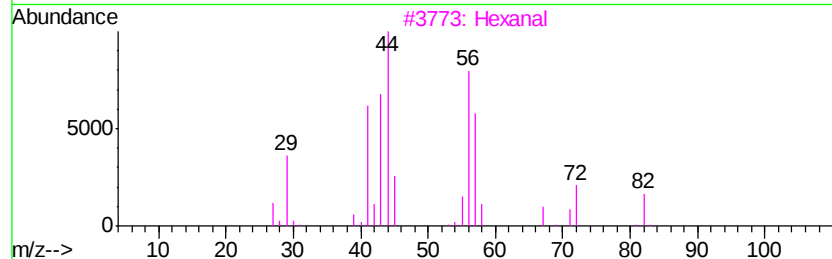
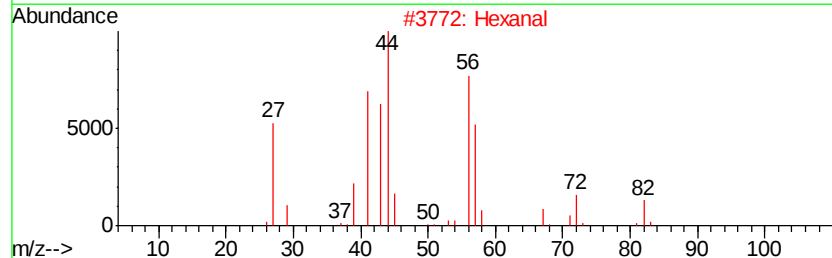
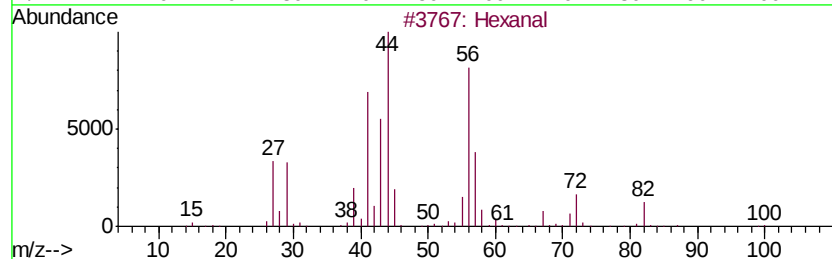
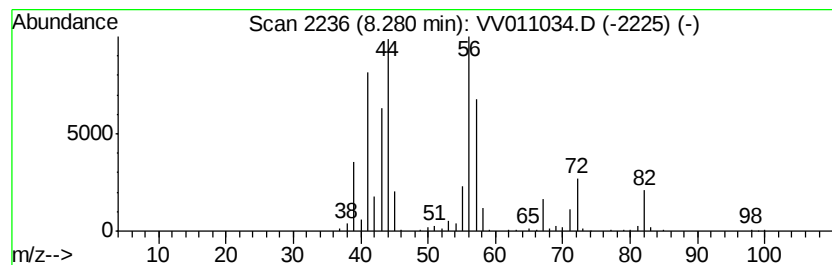
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Peak Number 5 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	39.04 ug/L	445978	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	83
4		Hexanal	100	C6H12O	000066-25-1	83
5		Glutaraldehyde	100	C5H8O2	000111-30-8	45



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Data File : VV011034.D
Acq On : 23 May 2019 18:29
Operator : SY/MD
Sample : K3016-01
Misc : 4.81G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSV0A_V
ClientSampleId :
A51C0

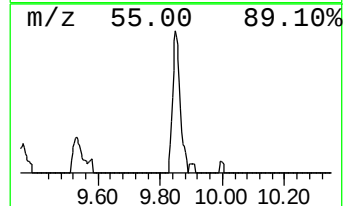
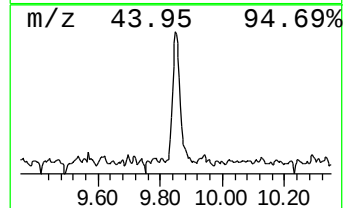
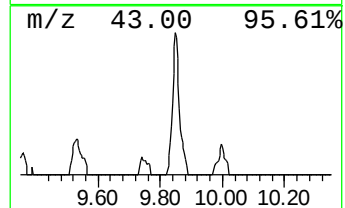
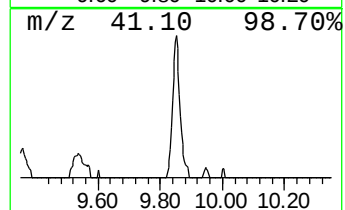
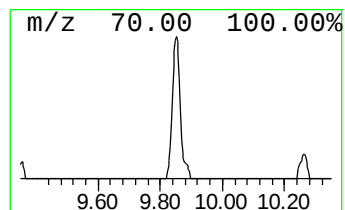
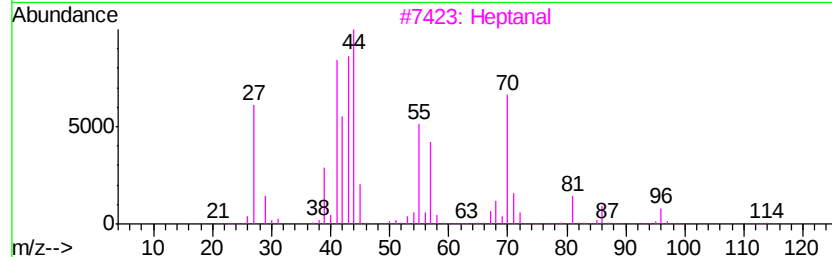
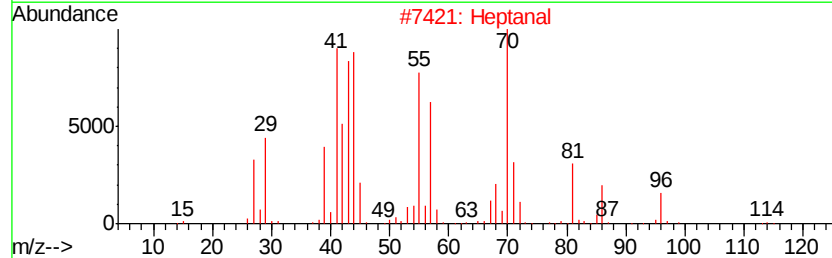
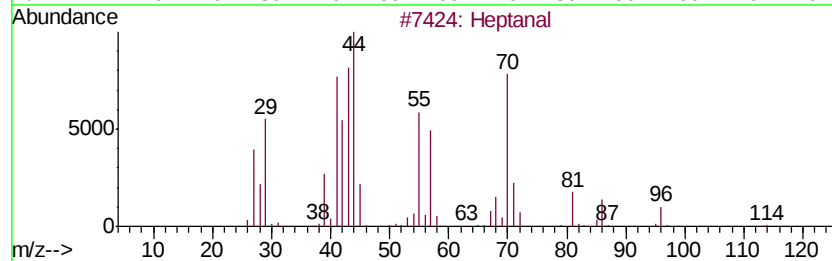
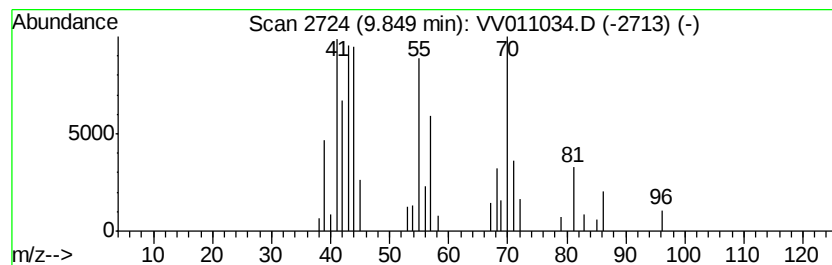
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Quant Title : VOC Analysis

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

Peak Number 6 Heptanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.59 ug/L	29543	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal		114	C7H14O	000111-71-7	86
2	Heptanal		114	C7H14O	000111-71-7	86
3	Heptanal		114	C7H14O	000111-71-7	80
4	Heptanal		114	C7H14O	000111-71-7	78
5	Heptanal		114	C7H14O	000111-71-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011034.D
Acq On : 23 May 2019 18:29
Operator : SY/MD
Sample : K3016-01
Misc : 4.81G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C0

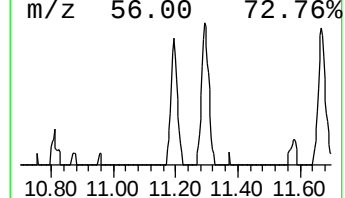
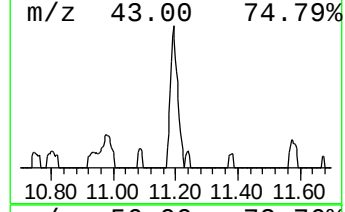
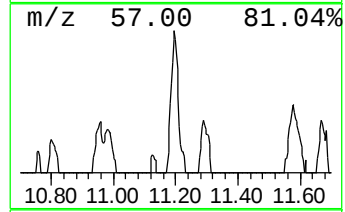
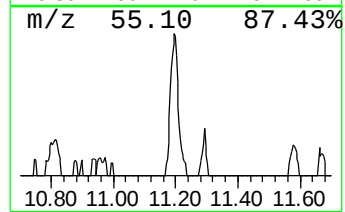
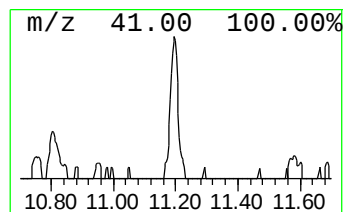
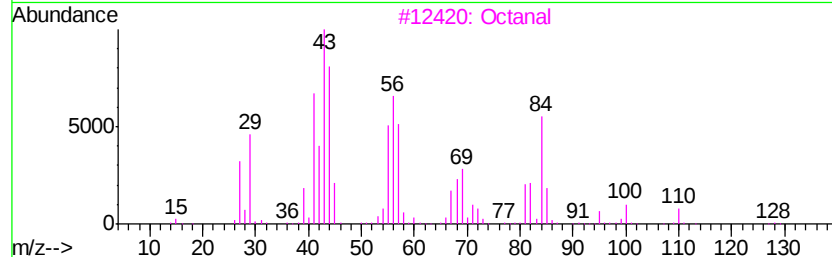
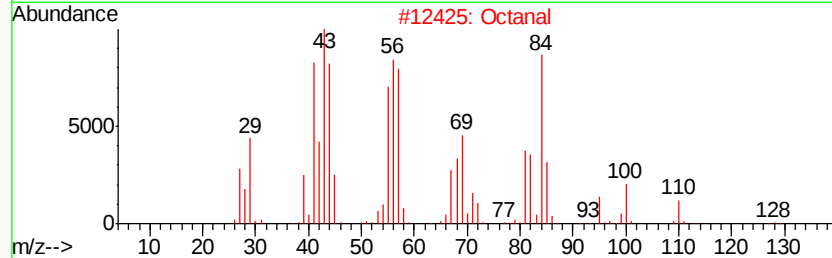
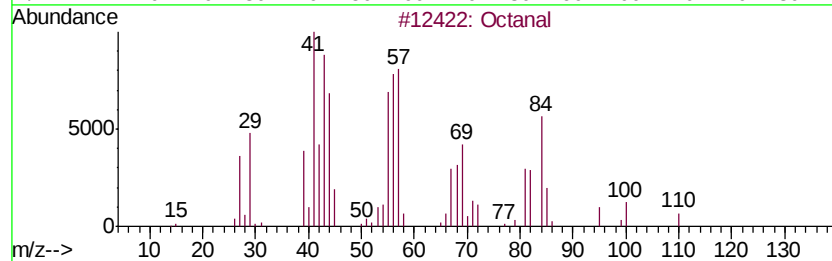
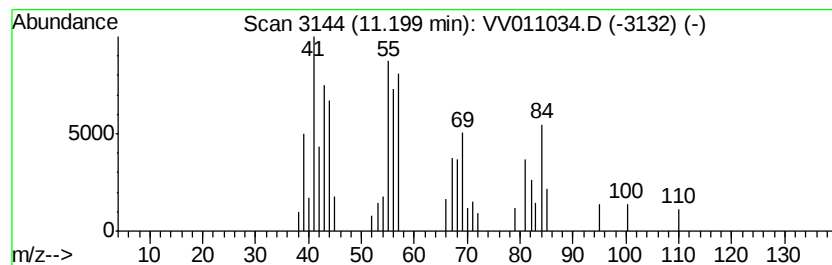
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Quant Title : VOC Analysis

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

Peak Number 7 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.85 ug/L	23648	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	64
3		Octanal	128	C8H16O	000124-13-0	64
4		Octanal	128	C8H16O	000124-13-0	64
5		Pentane, 3-methylene-	84	C6H12	000760-21-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011034.D
Acq On : 23 May 2019 18:29
Operator : SY/MD
Sample : K3016-01
Misc : 4.81G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C0

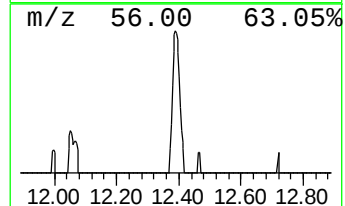
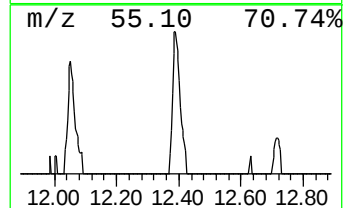
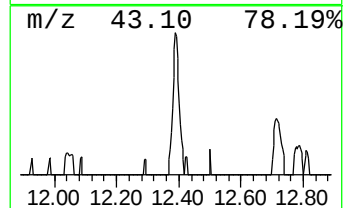
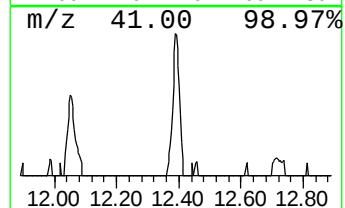
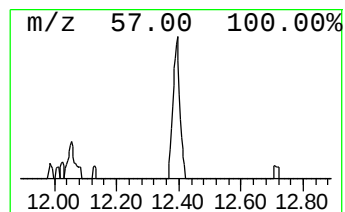
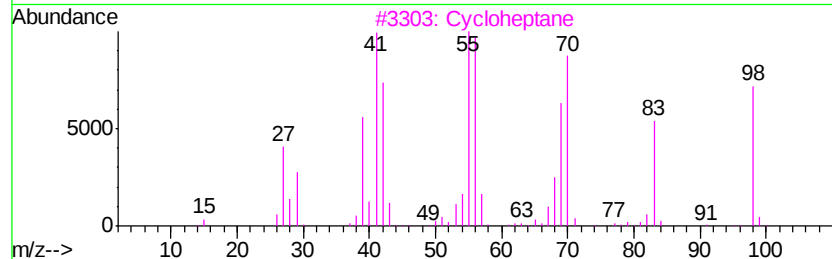
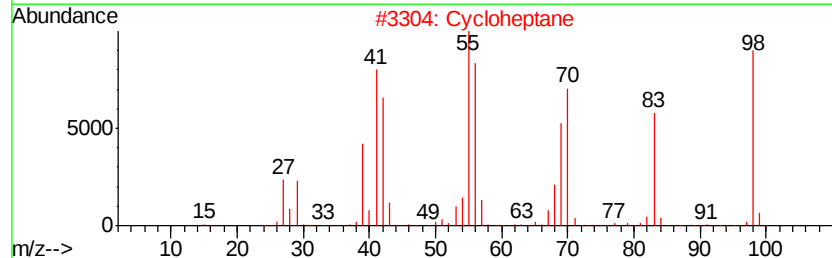
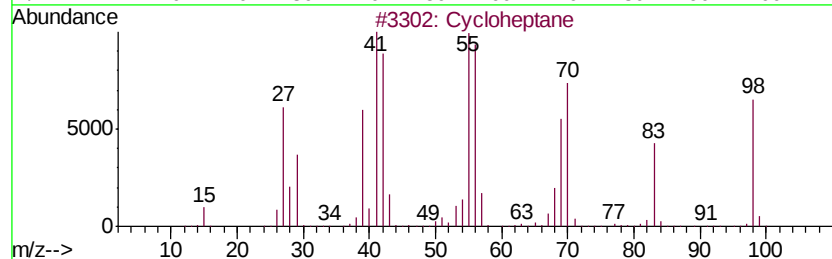
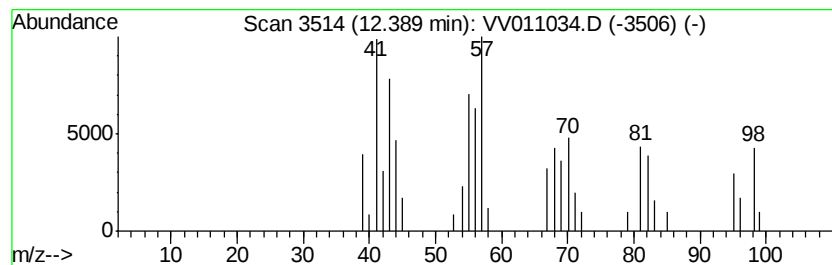
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic12.39 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.13 ug/L	17647	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cycloheptane	98	C7H14	000291-64-5	35
2		Cycloheptane	98	C7H14	000291-64-5	35
3		Cycloheptane	98	C7H14	000291-64-5	35
4		1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	27
5		2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	27



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011034.D
Acq On : 23 May 2019 18:29
Operator : SY/MD
Sample : K3016-01
Misc : 4.81G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.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	1.5	ug/L	13552	1	5.66	231861	25.0
Pentanal	6.33	6.1	ug/L	56749	1	5.66	231861	25.0
Hexanal	8.28	39.0	ug/L	445978	2	8.89	285609	25.0
Heptanal	9.85	2.6	ug/L	29543	2	8.89	285609	25.0
Octanal	11.20	2.9	ug/L	23648	3	11.30	207527	25.0
(DEL) Alkane: Cyc...	12.39	2.1	ug/L	17647	3	11.30	207527	25.0