

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011087.D
 Acq On : 29 May 2019 04:03
 Operator : SY/MD
 Sample : K3016-16RE
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51D3RE

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	1.200	30	34	45	rBV2	29333	38881	2.58%	0.395%
2	1.309	63	68	75	rVB	205704	189010	12.55%	1.919%
3	1.560	141	146	156	rVB	145874	165601	11.00%	1.682%
4	2.116	312	319	330	rVB	281263	405896	26.95%	4.122%
5	3.122	630	632	634	rBV2	1131	636	0.04%	0.006%
6	3.328	693	696	698	rBV4	1420	817	0.05%	0.008%
7	3.367	705	708	713	rBV6	838	756	0.05%	0.008%
8	3.389	713	715	717	rBV4	1024	444	0.03%	0.005%
9	3.447	731	733	734	rBV2	705	243	0.02%	0.002%
10	3.457	734	736	739	rVB4	955	469	0.03%	0.005%
11	3.476	740	742	745	rVB4	1242	507	0.03%	0.005%
12	3.489	745	746	747	rBV	532	169	0.01%	0.002%
13	3.621	781	787	792	rVB7	1333	1578	0.10%	0.016%
14	3.646	792	795	797	rBV4	1307	696	0.05%	0.007%
15	3.743	816	825	826	rBV7	8503	10249	0.68%	0.104%
16	3.820	847	849	850	rBV2	1550	572	0.04%	0.006%
17	3.929	872	883	903	rBV	64965	173463	11.52%	1.761%
18	4.241	978	980	982	rBV3	1109	516	0.03%	0.005%
19	4.309	999	1001	1003	rBV3	848	405	0.03%	0.004%
20	4.328	1003	1007	1008	rVV3	1469	992	0.07%	0.010%
21	4.392	1011	1027	1050	rVB	229651	562193	37.33%	5.709%
22	4.637	1102	1103	1104	rBV	1123	392	0.03%	0.004%
23	4.855	1168	1171	1172	rBV3	751	458	0.03%	0.005%
24	4.900	1183	1185	1188	rVB3	821	424	0.03%	0.004%
25	4.945	1197	1199	1200	rBV2	702	326	0.02%	0.003%
26	4.974	1205	1208	1210	rBV3	1677	1025	0.07%	0.010%
27	4.984	1210	1211	1213	rVB2	1137	401	0.03%	0.004%
28	5.003	1213	1217	1218	rBV3	785	698	0.05%	0.007%
29	5.087	1222	1243	1268	rBV2	605203	1505843	100.00%	15.291%
30	5.659	1408	1421	1446	rVB	286710	574973	38.18%	5.838%
31	5.862	1482	1484	1488	rVB5	1058	546	0.04%	0.006%
32	5.913	1497	1500	1501	rBV3	1004	586	0.04%	0.006%
33	5.939	1505	1508	1512	rBV5	2055	2088	0.14%	0.021%
34	6.023	1532	1534	1540	rVB5	955	697	0.05%	0.007%

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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
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 Peak separation: 5

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 Title : VOC Analysis

35	6.113	1544	1562	1583	rBV	360265	727612	48.32%	7.388%
36	6.331	1620	1630	1644	rBV2	35501	69924	4.64%	0.710%
37	6.617	1717	1719	1721	rBV3	1308	520	0.03%	0.005%
38	6.765	1762	1765	1769	rBV5	1437	1095	0.07%	0.011%
39	6.814	1777	1780	1783	rVB3	1340	776	0.05%	0.008%
40	6.839	1784	1788	1789	rBV3	1005	600	0.04%	0.006%
41	6.887	1799	1803	1806	rBV4	919	723	0.05%	0.007%
42	6.923	1811	1814	1816	rBV5	1084	792	0.05%	0.008%
43	6.971	1827	1829	1831	rBV3	904	435	0.03%	0.004%
44	7.026	1834	1846	1869	rVV	204192	360916	23.97%	3.665%
45	7.357	1936	1949	1965	rBV	707968	1229957	81.68%	12.489%
46	7.659	2033	2043	2058	rBV	131261	220161	14.62%	2.236%
47	7.884	2112	2113	2116	rVB3	722	382	0.03%	0.004%
48	7.900	2116	2118	2121	rBV4	889	652	0.04%	0.007%
49	7.920	2122	2124	2129	rVV6	1666	1184	0.08%	0.012%
50	7.981	2132	2143	2152	rVV4	10790	20666	1.37%	0.210%
51	8.051	2162	2165	2167	rBV4	1473	1006	0.07%	0.010%
52	8.090	2175	2177	2178	rBV2	762	278	0.02%	0.003%
53	8.129	2178	2189	2220	rVV	261396	491068	32.61%	4.986%
54	8.280	2226	2236	2255	rBV	312720	507797	33.72%	5.156%
55	8.531	2312	2314	2315	rBV2	1044	430	0.03%	0.004%
56	8.579	2324	2329	2330	rBV5	1406	1197	0.08%	0.012%
57	8.656	2349	2353	2357	rBV5	1281	1410	0.09%	0.014%
58	8.727	2374	2375	2377	rBV2	489	119	0.01%	0.001%
59	8.736	2377	2378	2379	rBV	773	220	0.01%	0.002%
60	8.813	2396	2402	2404	rBV6	1313	1095	0.07%	0.011%
61	8.894	2415	2427	2453	rBV	398769	669424	44.46%	6.798%
62	9.103	2491	2492	2496	rVB4	1811	946	0.06%	0.010%
63	9.415	2587	2589	2592	rBV3	1472	851	0.06%	0.009%
64	9.473	2602	2607	2609	rBV6	1513	1523	0.10%	0.015%
65	9.649	2659	2662	2663	rBV3	982	627	0.04%	0.006%
66	9.849	2716	2724	2743	rBV2	37398	65439	4.35%	0.664%
67	10.116	2803	2807	2809	rBV4	814	807	0.05%	0.008%
68	10.260	2831	2852	2869	rBV	331983	534647	35.50%	5.429%
69	10.325	2869	2872	2874	rBV4	1352	886	0.06%	0.009%
70	10.376	2882	2888	2890	rBV6	1988	1951	0.13%	0.020%
71	10.424	2895	2903	2914	rVB	41255	70606	4.69%	0.717%

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Integration Parameters: LSCINT.P

Integrator: RTE
Smoothing : OFF
Sampling : 1
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Stop Thrs : 0
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Title : VOC Analysis

72	10.755	2998	3006	3014	rBV10	6545	12183	0.81%	0.124%
73	11.074	3099	3105	3106	rBV5	2048	2053	0.14%	0.021%
74	11.196	3135	3143	3154	rBV3	29045	48890	3.25%	0.496%
75	11.292	3163	3173	3191	rBV	254313	414275	27.51%	4.207%
76	11.579	3253	3262	3272	rBV	16378	29696	1.97%	0.302%
77	11.672	3279	3291	3305	rBV	413199	664277	44.11%	6.745%
78	12.296	3477	3485	3501	rVB2	17918	32818	2.18%	0.333%
79	12.353	3501	3503	3505	rBV3	1735	1009	0.07%	0.010%
80	12.543	3560	3562	3565	rVB4	1635	760	0.05%	0.008%
81	12.688	3605	3607	3608	rBV2	1245	495	0.03%	0.005%
82	13.398	3826	3828	3831	rBV4	1838	1347	0.09%	0.014%
83	13.482	3849	3854	3864	rBV4	5282	8912	0.59%	0.090%

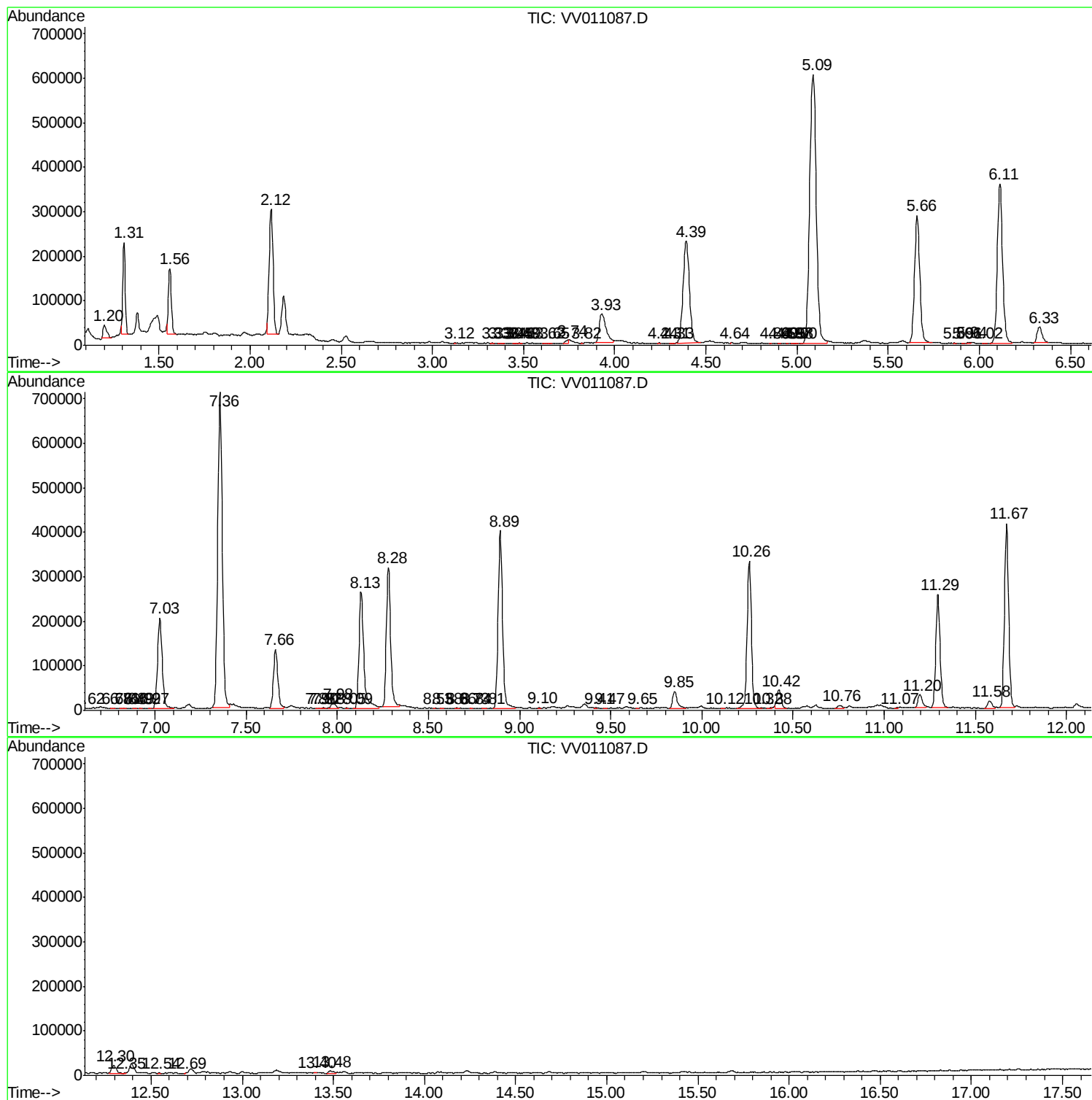
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Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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



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Data File : VV011087.D
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Operator : SY/MD
Sample : K3016-16RE
Misc : 5.00G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

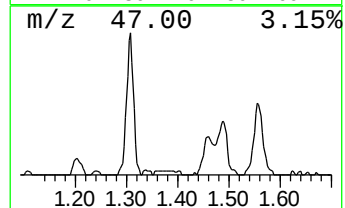
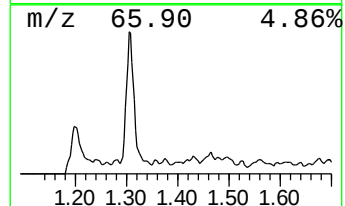
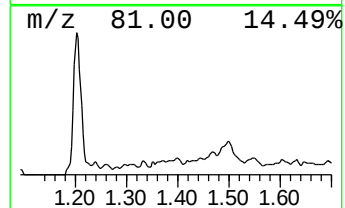
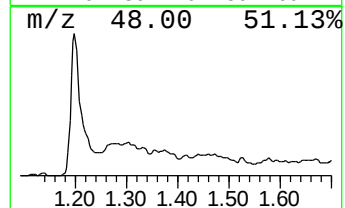
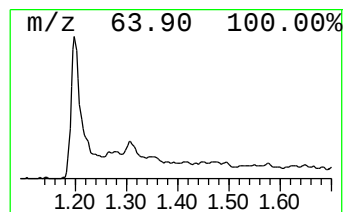
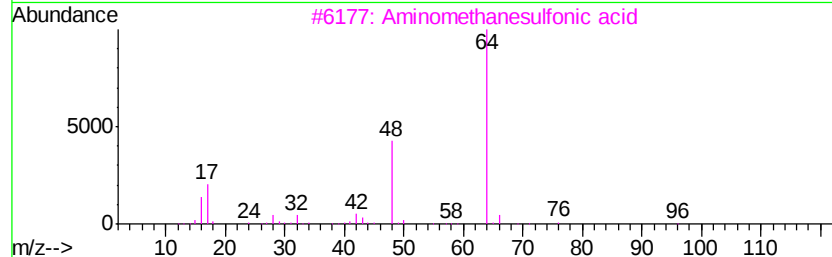
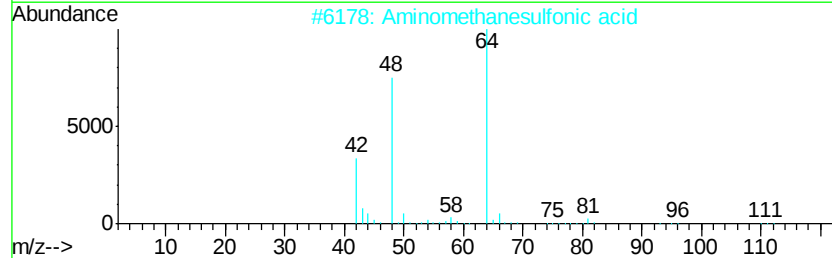
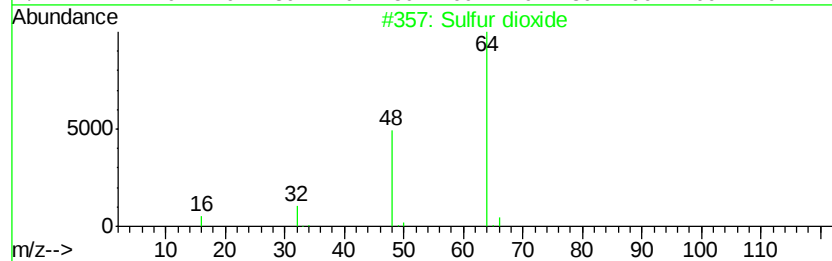
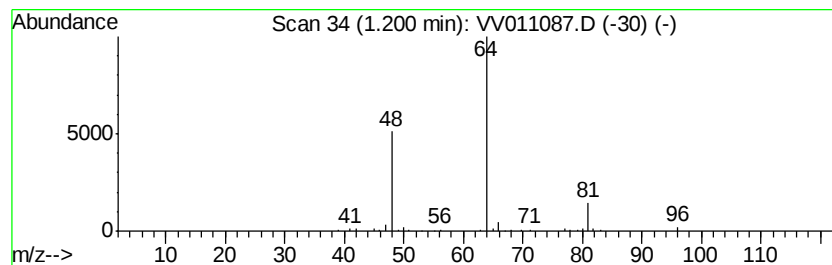
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 1 Sulfur dioxide Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.20	1.69 ug/L	38881	1,4-Difluorobenzene	5.66
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Sulfur dioxide	64 02S	007446-09-5	86
2	Aminomethanesulfonic acid	111 CH5NO3S	013881-91-9	83
3	Aminomethanesulfonic acid	111 CH5NO3S	013881-91-9	74
4	L-Alanine, 3-sulfo-	169 C3H7NO5S	000498-40-8	9
5	Aminomethanesulfonic acid	111 CH5NO3S	013881-91-9	9



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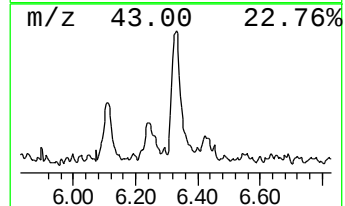
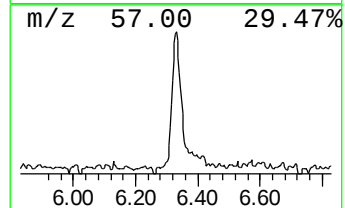
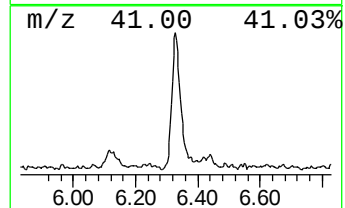
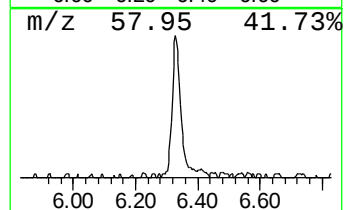
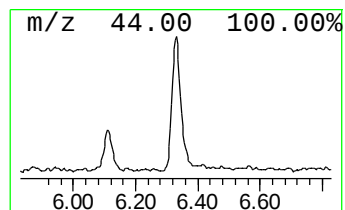
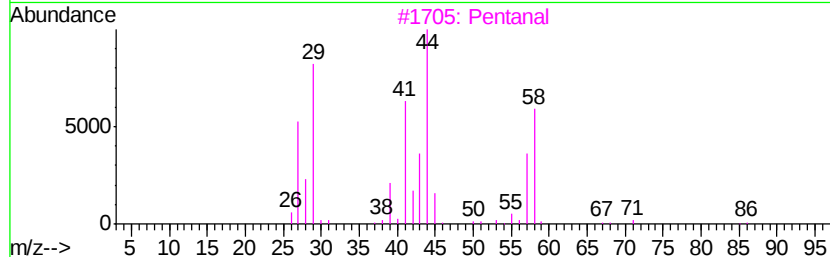
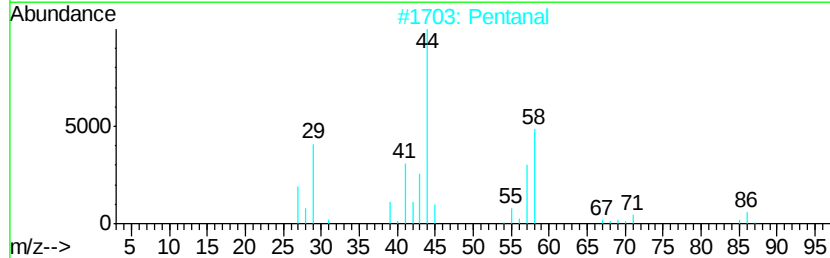
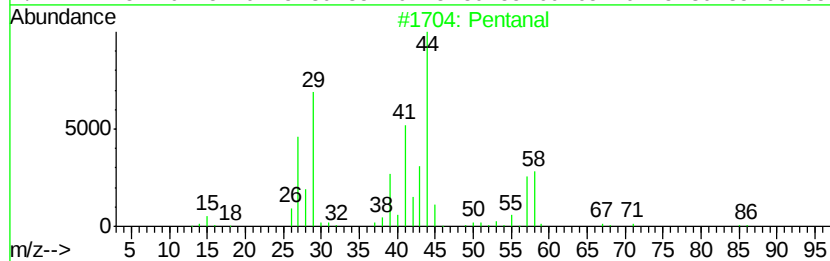
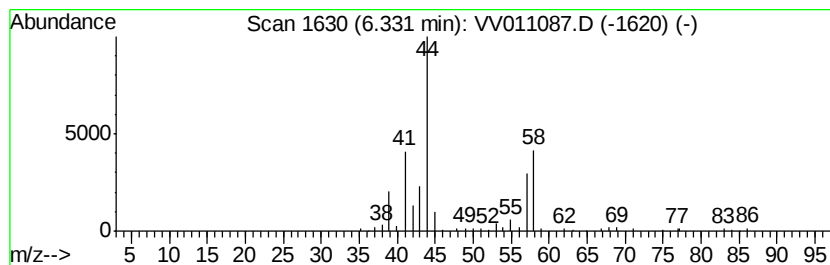
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 2 Pentanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	3.04 ug/L	69924	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	72
2		Pentanal	86	C5H10O	000110-62-3	64
3		Pentanal	86	C5H10O	000110-62-3	52
4		Butanal, 3-methyl-	86	C5H10O	000590-86-3	40
5		Cyclopropyl carbinol	72	C4H8O	002516-33-8	40



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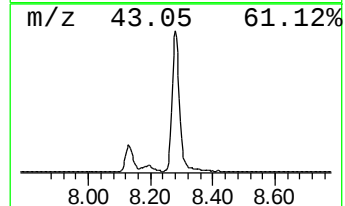
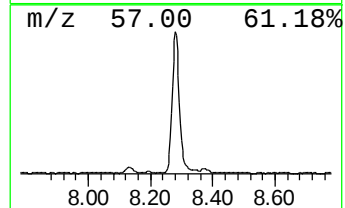
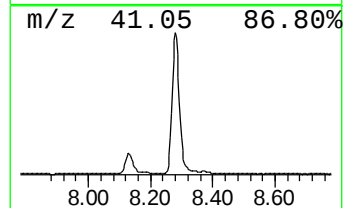
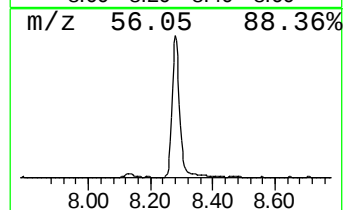
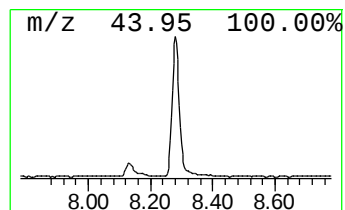
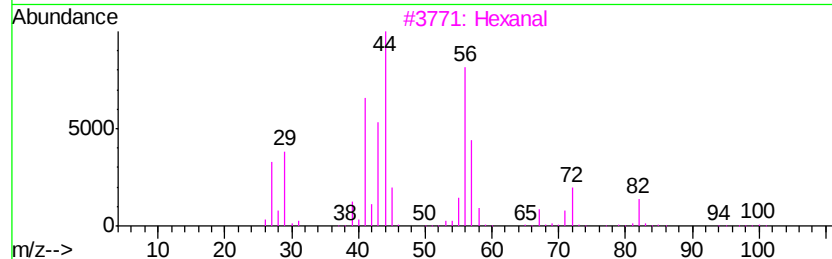
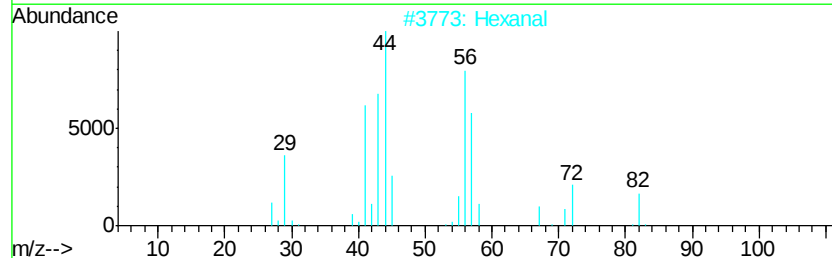
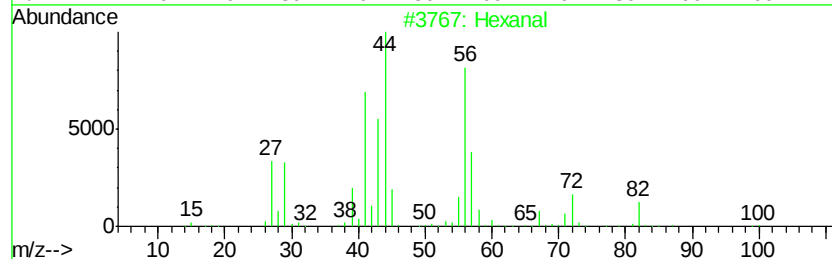
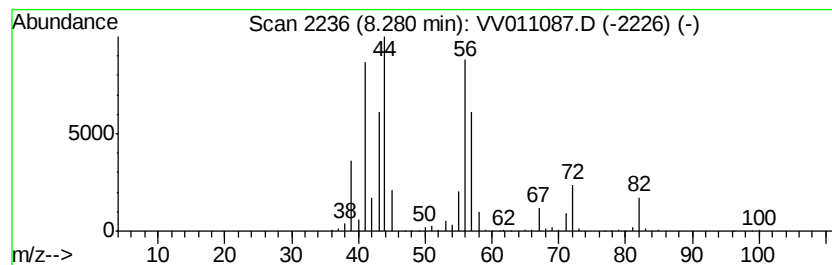
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Quant Title : VOC Analysis

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

Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	18.96 ug/L	507797	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	91
2		Hexanal	100	C6H12O	000066-25-1	90
3		Hexanal	100	C6H12O	000066-25-1	90
4		Hexanal	100	C6H12O	000066-25-1	78
5		Glutaraldehyde	100	C5H8O2	000111-30-8	38



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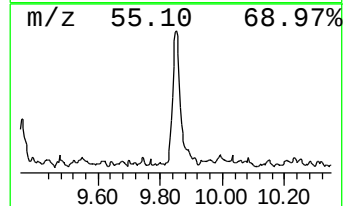
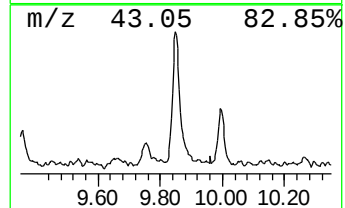
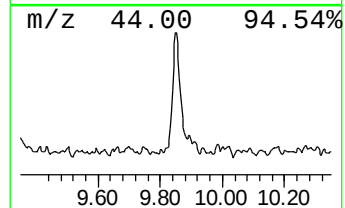
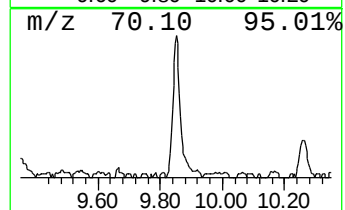
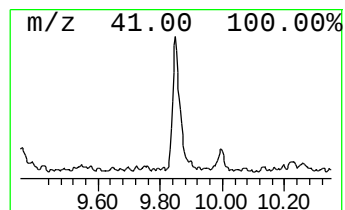
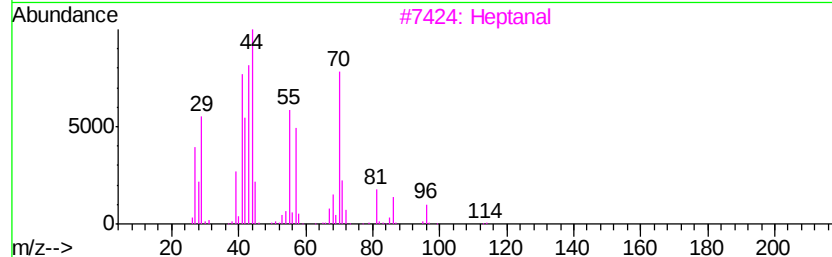
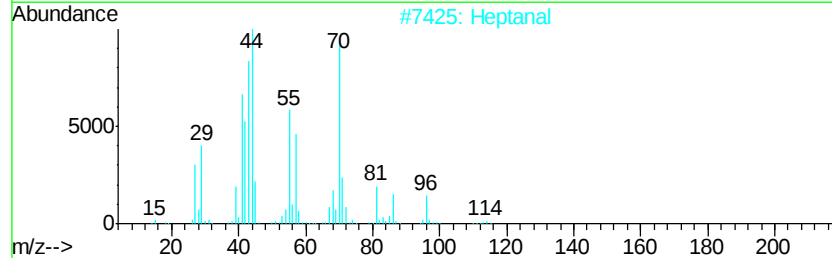
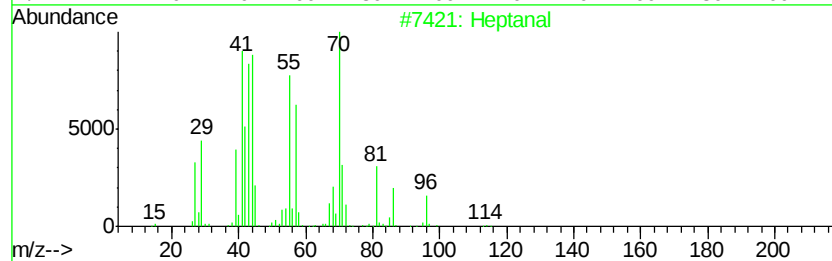
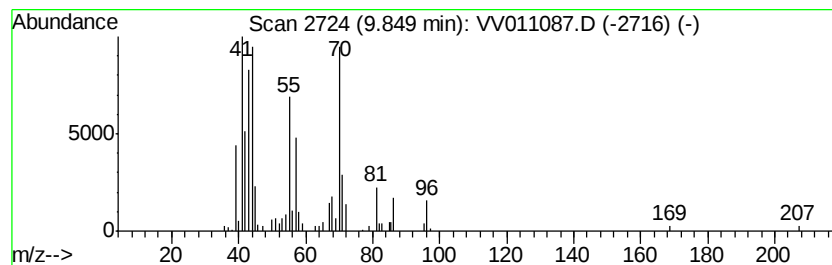
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Quant Title : VOC Analysis

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

Peak Number 5 Heptanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.44 ug/L	65439	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanal	114	C7H14O	000111-71-7	91
2		Heptanal	114	C7H14O	000111-71-7	80
3		Heptanal	114	C7H14O	000111-71-7	80
4		Heptanal	114	C7H14O	000111-71-7	64
5		Heptanal	114	C7H14O	000111-71-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011087.D
Acq On : 29 May 2019 04:03
Operator : SY/MD
Sample : K3016-16RE
Misc : 5.00G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D3RE

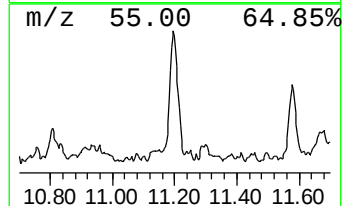
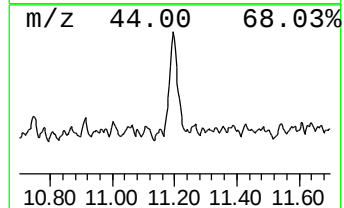
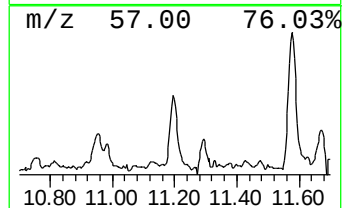
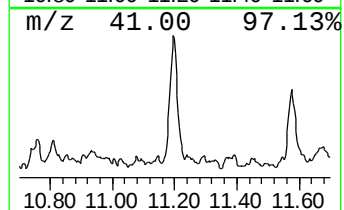
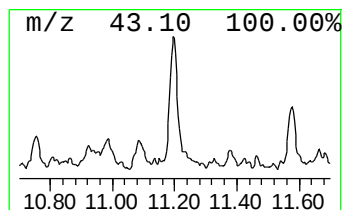
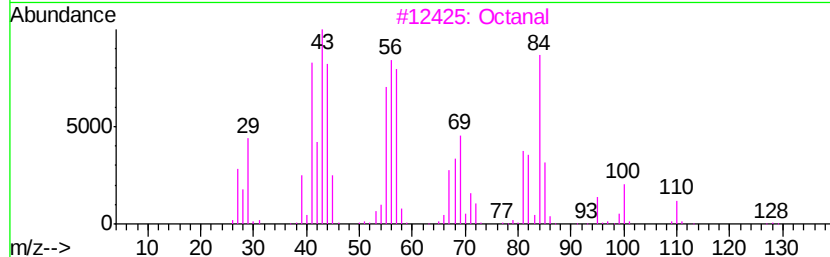
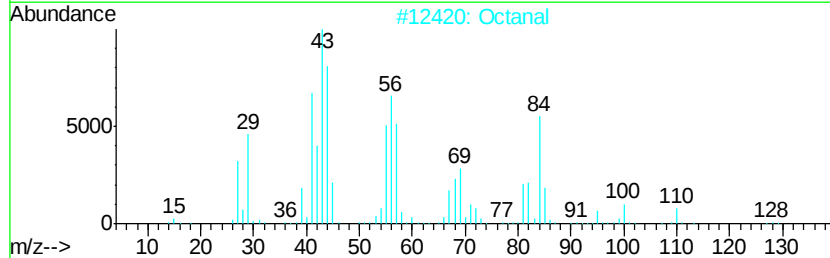
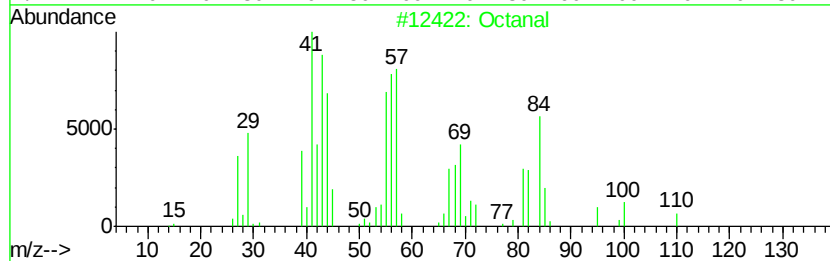
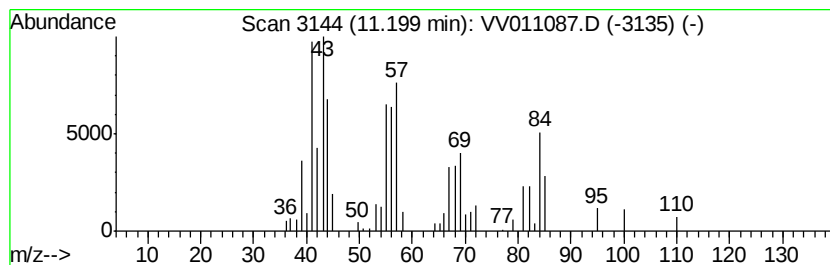
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Quant Title : VOC Analysis

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

Peak Number 7 Octanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.95 ug/L	48890	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	90
4		Octanal	128	C8H16O	000124-13-0	86
5		Octanal	128	C8H16O	000124-13-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011087.D
Acq On : 29 May 2019 04:03
Operator : SY/MD
Sample : K3016-16RE
Misc : 5.00G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D3RE

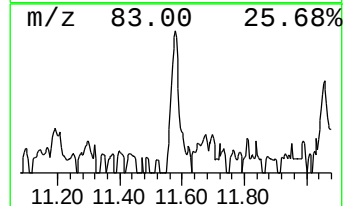
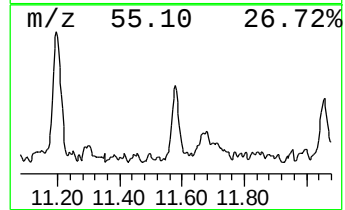
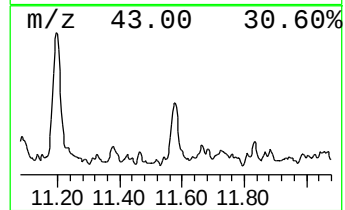
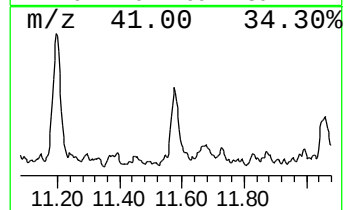
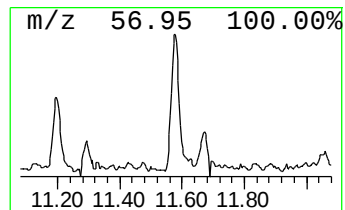
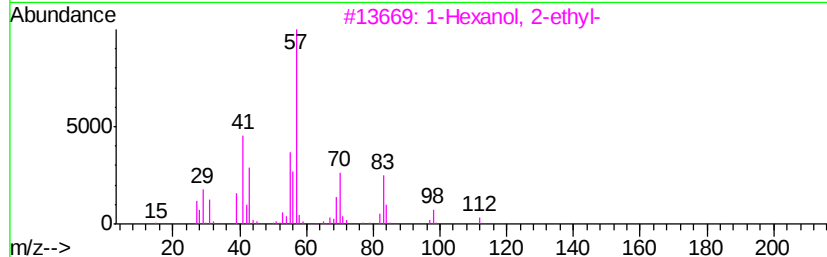
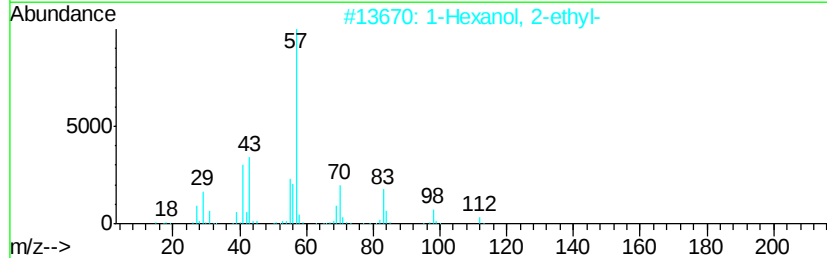
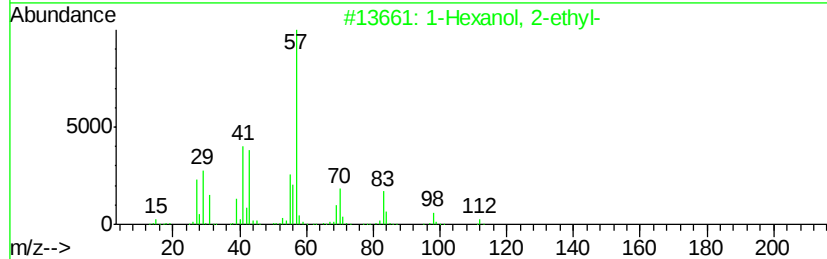
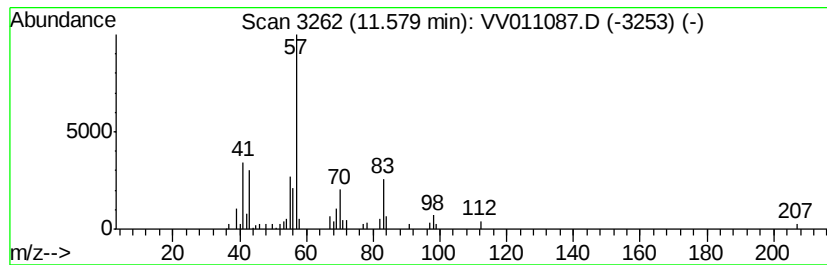
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 8 1-Hexanol, 2-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	1.79 ug/L	29696	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
2		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
3		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
4		Carbonic acid, butyl heptyl ester	216	C12H24O3	1000314-63-4	43
5		Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000357-82-9	38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011087.D
Acq On : 29 May 2019 04:03
Operator : SY/MD
Sample : K3016-16RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D3RE

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
Sulfur dioxide	1.20	1.7	ug/L	38881	1	5.66	574973	25.0
Pentanal	6.33	3.0	ug/L	69924	1	5.66	574973	25.0
Hexanal	8.28	19.0	ug/L	507797	2	8.89	669424	25.0
Heptanal	9.85	2.4	ug/L	65439	2	8.89	669424	25.0
Octanal	11.20	3.0	ug/L	48890	3	11.30	414275	25.0
1-Hexanol, 2-ethyl-	11.58	1.8	ug/L	29696	3	11.30	414275	25.0