LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092619\
Data File : VV012992.D
Acq On : 26 Sep 2019 11:46
Operator : SY/MD
Sample : K4988-12
Misc : 3.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ESP00

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.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	1.319	64	71	87	rVB	333095	349029	2.80%	1.067%
2	1.396	87	95	120	rVB	1201287	1362158	10.94%	4.164%
3	1.582	146	153	171	rVB	307769	351961	2.83%	1.076%
4	1.823	221	228	238	rVB	143826	177515	1.43%	0.543%
5	1.955	248	269	314	rBV	2823646	12450360	100.00%	38.060%
6	2.129	315	323	335	rVV	568598	851935	6.84%	2.604%
7	2.196	337	344	347	rVV	120771	169123	1.36%	0.517%
8	2.232	348	355	375	rVB	512505	786068	6.31%	2.403%
9	2.537	440	450	466	rVB	74000	120456	0.97%	0.368%
10	2.823	537	539	546	rVB4	1040	977	0.01%	0.003%
11	2.997	582	593	604	rBV3	4811	9128	0.07%	0.028%
12	3.077	607	618	625	rBV4	7618	14227	0.11%	0.043%
13	3.164	643	645	651	rVB6	1014	775	0.01%	0.002%
14	3.441	721	731	735	rBV4	15451	25308	0.20%	0.077%
15	3.772	824	834	843	rBV9	2199	4596	0.04%	0.014%
16	3.862	855	862	868	rBV5	4494	8008	0.06%	0.024%
17	3.939	875	886	917	rBV	77293	237160	1.90%	0.725%
18	4.325	1004	1006	1009	rVV2	871	540	0.00%	0.002%
19	4.399	1010	1029	1056	rVV	406968	996616	8.00%	3.047%
20	4.717	1123	1128	1131	rBV5	1359	1406	0.01%	0.004%
21	4.881	1175	1179	1183	rVB5	1353	987	0.01%	0.003%
22	4.952	1198	1201	1208	rVB7	970	933	0.01%	0.003%
23	5.007	1211	1218	1221	rBV4	1123	1156	0.01%	0.004%
24	5.093	1224	1245	1265	rBV2	967579	2403916	19.31%	7.349%
25	5.319	1312	1315	1317	rBV4	937	552	0.00%	0.002%
26	5.531	1376	1381	1382	rBV5	1758	1349	0.01%	0.004%
27	5.663	1407	1422	1452	rBV	840170	1665530	13.38%	5.091%
28	5.856	1479	1482	1491	rVB10	1431	1843	0.01%	0.006%
29	5.946	1500	1510	1517	rBV4	19875	38715	0.31%	0.118%
30	5.994	1517	1525	1547	rVV2	130911	324488	2.61%	0.992%
31	6.116	1550	1563	1597	rVB	573061	1176020	9.45%	3.595%
32	6.389	1641	1648	1665	rVB	8324	17420	0.14%	0.053%
33	6.592	1706	1711	1713	rBV4	1242	1194	0.01%	0.004%
34	6.730	1752	1754	1758	rVB3	1468	854	0.01%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092619\
Data File : VV012992.D
Acq On : 26 Sep 2019 11:46
Operator : SY/MD
Sample : K4988-12
Misc : 3.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ESP00

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Title : VOC Analysis

35	6.814	1775	1780	1783	rBV7	1090	1081	0.01%	0.003%
36	6.891	1799	1804	1810	rVB5	621	757	0.01%	0.002%
37	6.965	1821	1827	1833	rBV8	1161	1413	0.01%	0.004%
38	7.029	1833	1847	1866	rBV	285771	507826	4.08%	1.552%
39	7.190	1891	1897	1899	rBV5	778	778	0.01%	0.002%
40	7.248	1913	1915	1918	rVB3	1103	532	0.00%	0.002%
41	7.270	1918	1922	1926	rBV5	1043	954	0.01%	0.003%
42	7.357	1935	1949	1963	rBV	1092688	1901961	15.28%	5.814%
43	7.662	2033	2044	2067	rVB	182516	311285	2.50%	0.952%
44	7.978	2131	2142	2164	rBV5	21575	52607	0.42%	0.161%
45	8.132	2179	2190	2215	rBV	258283	526951	4.23%	1.611%
46	8.425	2279	2281	2287	rBV7	582	651	0.01%	0.002%
47	8.592	2330	2333	2337	rVB6	1122	806	0.01%	0.002%
48	8.643	2346	2349	2352	rVV2	1159	844	0.01%	0.003%
49	8.659	2352	2354	2358	rVB3	803	599	0.00%	0.002%
50	8.894	2413	2427	2458	rBV	1188351	1965966	15.79%	6.010%
51	9.055	2473	2477	2485	rVB7	2640	3539	0.03%	0.011%
52	9.093	2485	2489	2492	rBV4	1213	958	0.01%	0.003%
53	9.180	2508	2516	2519	rBV6	2499	3185	0.03%	0.010%
54	9.244	2530	2536	2541	rBV6	1714	1865	0.01%	0.006%
55	9.267	2541	2543	2547	rVB2	1520	761	0.01%	0.002%
56	9.289	2547	2550	2552	rBV2	947	631	0.01%	0.002%
57	9.392	2578	2582	2585	rBV5	1365	931	0.01%	0.003%
58	9.524	2613	2623	2660	rBV2	48388	135733	1.09%	0.415%
59	9.859	2719	2727	2730	rBV7	1554	2121	0.02%	0.006%
60	9.974	2759	2763	2769	rVB4	1353	1560	0.01%	0.005%
61	10.125	2808	2810	2815	rBV4	1481	1193	0.01%	0.004%
62	10.158	2818	2820	2828	rVB5	1010	1040	0.01%	0.003%
63	10.257	2838	2851	2867	rBV	452518	717594	5.76%	2.194%
64	10.421	2892	2902	2917	rVB2	14764	24961	0.20%	0.076%
65	10.579	2947	2951	2954	rBV4	932	970	0.01%	0.003%
66	10.608	2957	2960	2962	rBV	1173	842	0.01%	0.003%
67	10.762	2999	3008	3017	rVB3	5515	8309	0.07%	0.025%
68	10.807	3017	3022	3023	rBV4	1760	1188	0.01%	0.004%
69	10.868	3036	3041	3043	rBV3	1618	1233	0.01%	0.004%
70	10.891	3043	3048	3050	rVV5	979	991	0.01%	0.003%
71	10.958	3062	3069	3070	rBV6	4163	3640	0.03%	0.011%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092619\
Data File : VV012992.D
Acq On : 26 Sep 2019 11:46
Operator : SY/MD
Sample : K4988-12
Misc : 3.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ESP00

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Title : VOC Analysis

72	11.087	3100	3109	3112	rBV6	2779	3637	0.03%	0.011%
73	11.190	3135	3141	3148	rBV9	3159	4788	0.04%	0.015%
74	11.293	3160	3173	3192	rBV	969104	1535680	12.33%	4.695%
75	11.508	3238	3240	3245	rVV3	1156	1015	0.01%	0.003%
76	11.585	3255	3264	3269	rBV8	2376	4120	0.03%	0.013%
77	11.669	3277	3290	3308	rBV	846968	1345793	10.81%	4.114%
78	11.830	3335	3340	3348	rVB9	3475	4784	0.04%	0.015%
79	11.981	3383	3387	3393	rVB6	1248	1409	0.01%	0.004%
80	12.148	3436	3439	3444	rBV4	971	974	0.01%	0.003%
81	12.174	3444	3447	3450	rVB3	1365	832	0.01%	0.003%
82	12.296	3477	3485	3493	rBV4	6366	10162	0.08%	0.031%
83	12.395	3506	3516	3520	rBV6	2393	2752	0.02%	0.008%
84	12.453	3532	3534	3541	rVB5	1434	1134	0.01%	0.003%
85	12.588	3574	3576	3580	rBV4	692	529	0.00%	0.002%
86	12.688	3599	3607	3614	rBV8	2085	3427	0.03%	0.010%
87	12.727	3617	3619	3624	rVB3	1131	844	0.01%	0.003%
88	12.810	3641	3645	3649	rVB3	969	599	0.00%	0.002%
89	12.932	3679	3683	3688	rVB6	1757	1700	0.01%	0.005%
90	13.106	3736	3737	3745	rVB3	1057	949	0.01%	0.003%
91	13.151	3745	3751	3757	rBV5	1081	1451	0.01%	0.004%
92	13.247	3777	3781	3783	rBV2	827	619	0.00%	0.002%
93	13.309	3795	3800	3809	rVB6	2243	3160	0.03%	0.010%
94	13.559	3872	3878	3885	rVB6	2310	3021	0.02%	0.009%
95	13.794	3941	3951	3958	rVV	15090	22293	0.18%	0.068%
96	13.839	3962	3965	3969	rBV3	1071	713	0.01%	0.002%
97	14.080	4032	4040	4049	rBV2	5724	9296	0.07%	0.028%
98	14.225	4082	4085	4086	rBV2	2044	1128	0.01%	0.003%
99	14.318	4109	4114	4118	rBV7	1718	2095	0.02%	0.006%
100	15.054	4337	4343	4348	rBV4	2228	2743	0.02%	0.008%

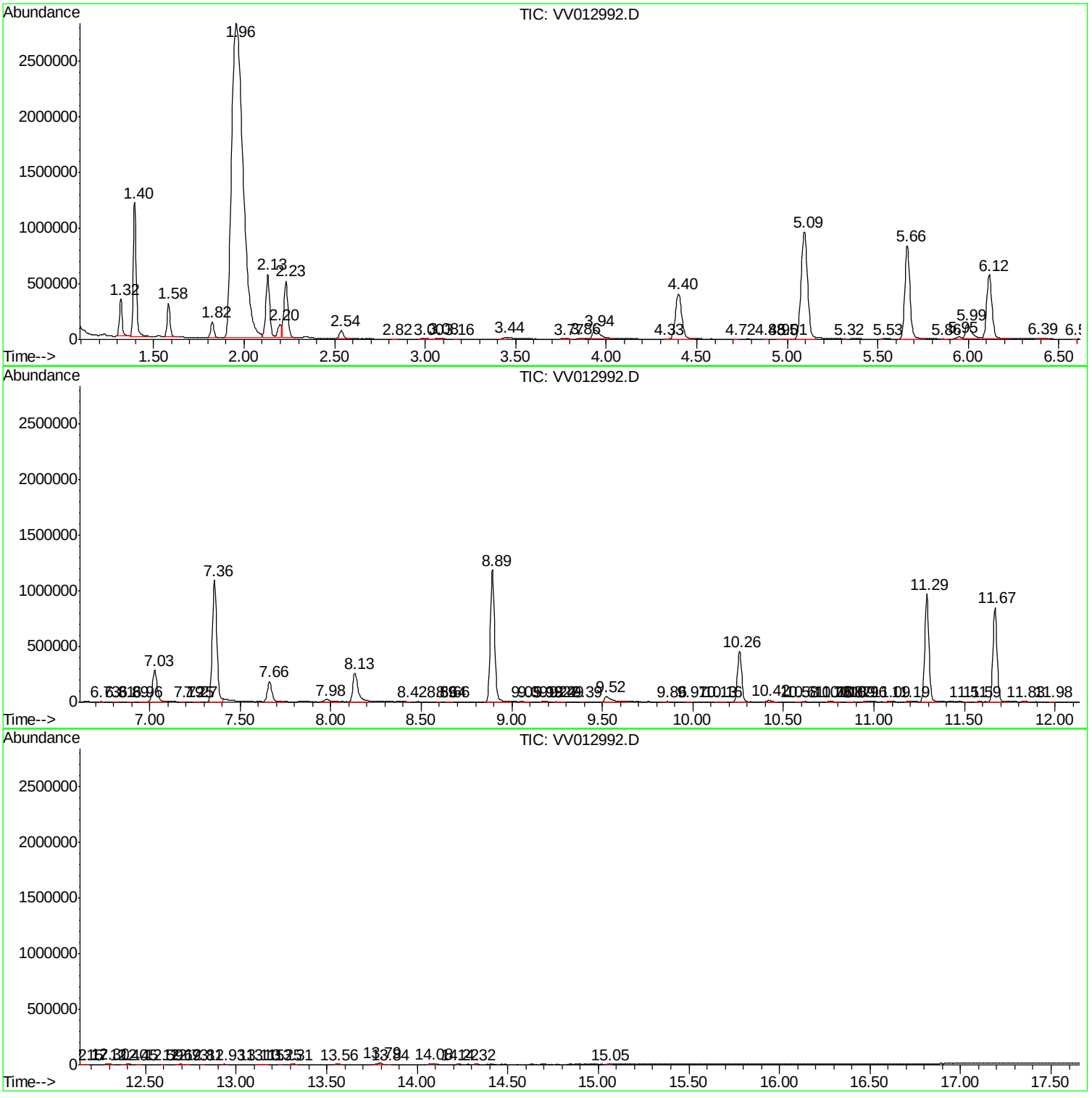
Sum of corrected areas: 32712206

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092619\
Data File : VV012992.D
Acq On : 26 Sep 2019 11:46
Operator : SY/MD
Sample : K4988-12
Misc : 3.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ESP00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092619\
Data File : VV012992.D
Acq On : 26 Sep 2019 11:46
Operator : SY/MD
Sample : K4988-12
Misc : 3.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ESP00

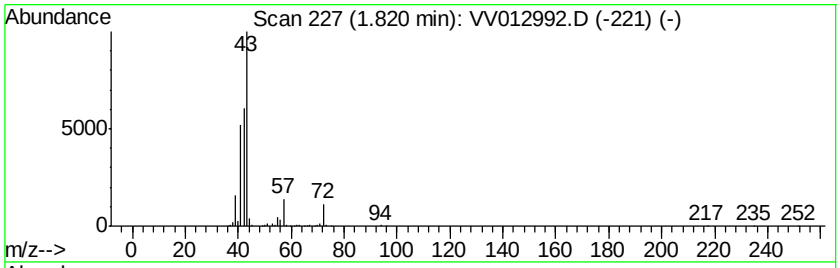
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

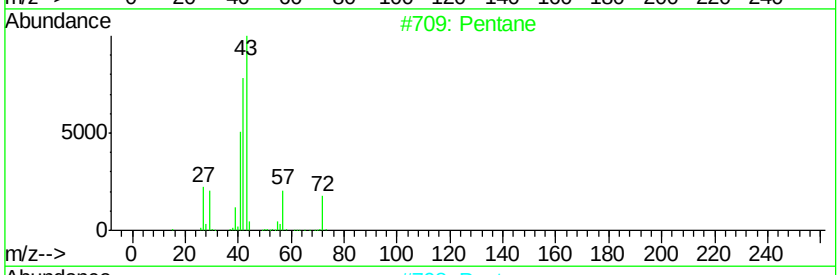
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

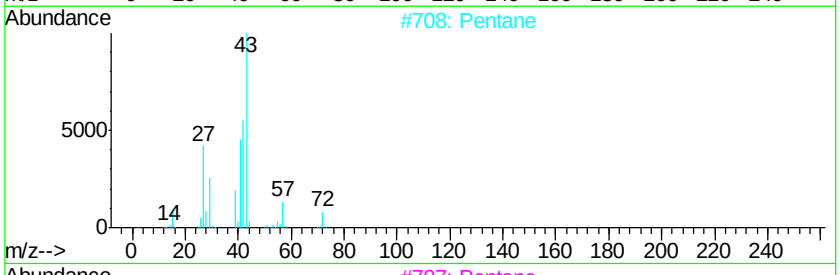
****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

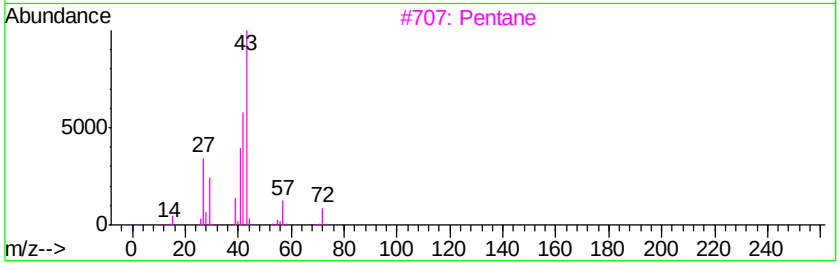
R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	2.66 ug/L	177515	1,4-Difluorobenzene	5.66

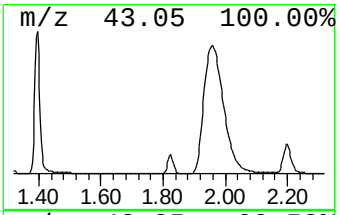
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
5	Pentane	72	C5H12	000109-66-0	49

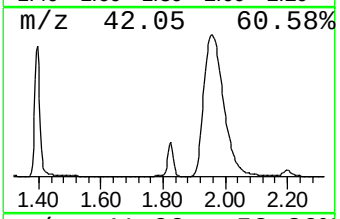


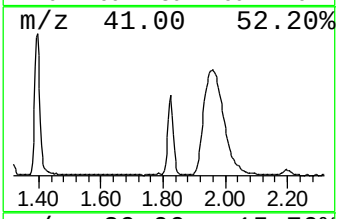


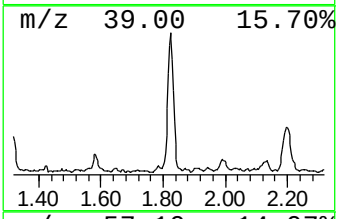


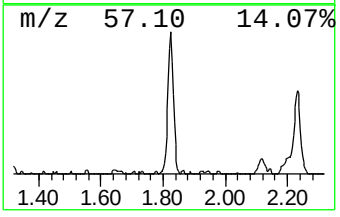












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092619\
Data File : VV012992.D
Acq On : 26 Sep 2019 11:46
Operator : SY/MD
Sample : K4988-12
Misc : 3.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ESP00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

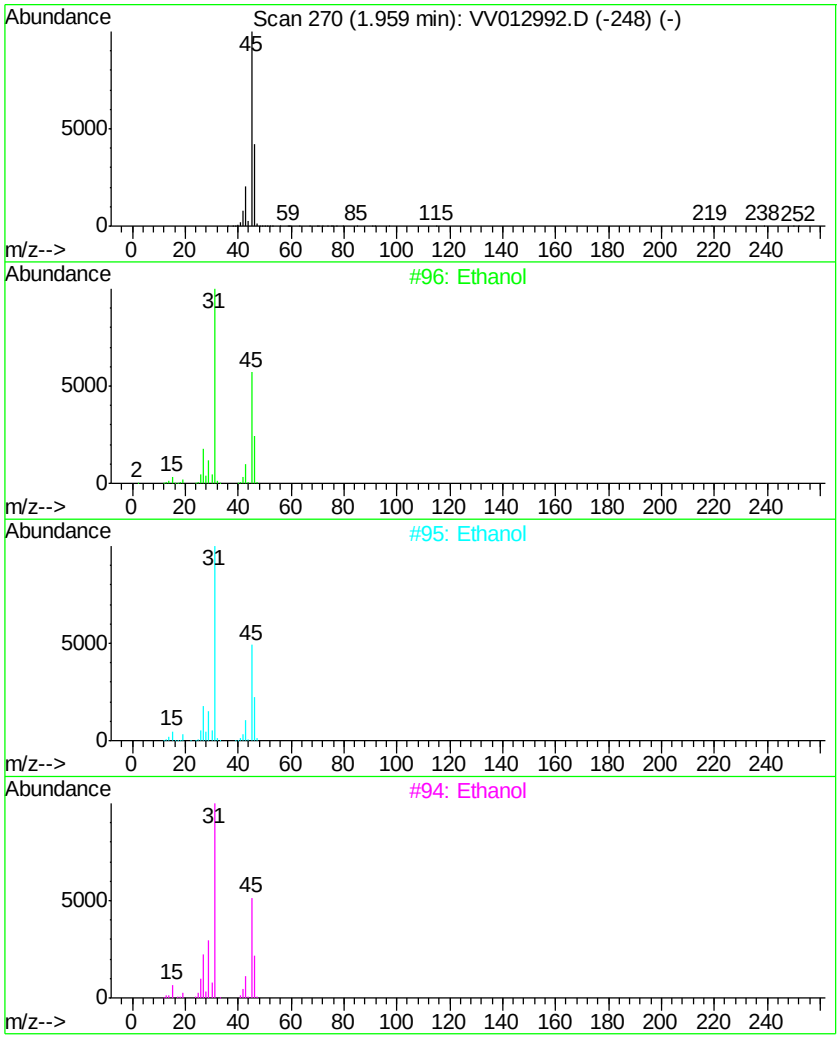
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

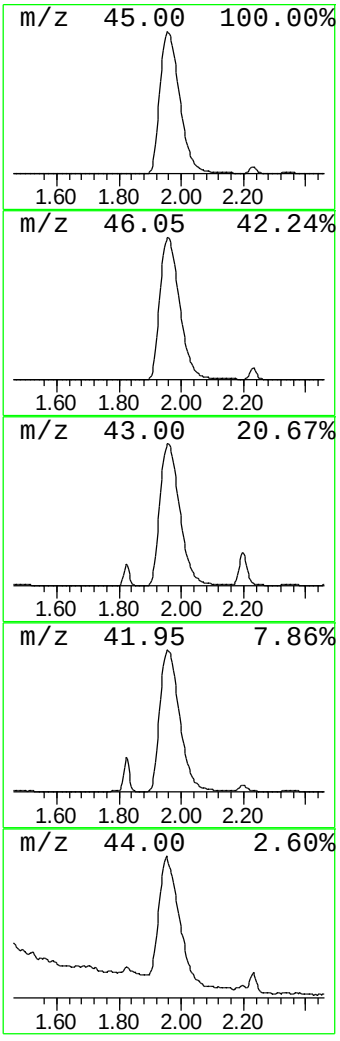
****

Peak Number 3 Ethanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	186.88 ug/L	12450400	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	78
2	Ethanol	46	C2H6O	000064-17-5	78
3	Ethanol	46	C2H6O	000064-17-5	64
4	Dimethyl ether	46	C2H6O	000115-10-6	9
5	Dimethyl ether	46	C2H6O	000115-10-6	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092619\
Data File : VV012992.D
Acq On : 26 Sep 2019 11:46
Operator : SY/MD
Sample : K4988-12
Misc : 3.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ESP00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

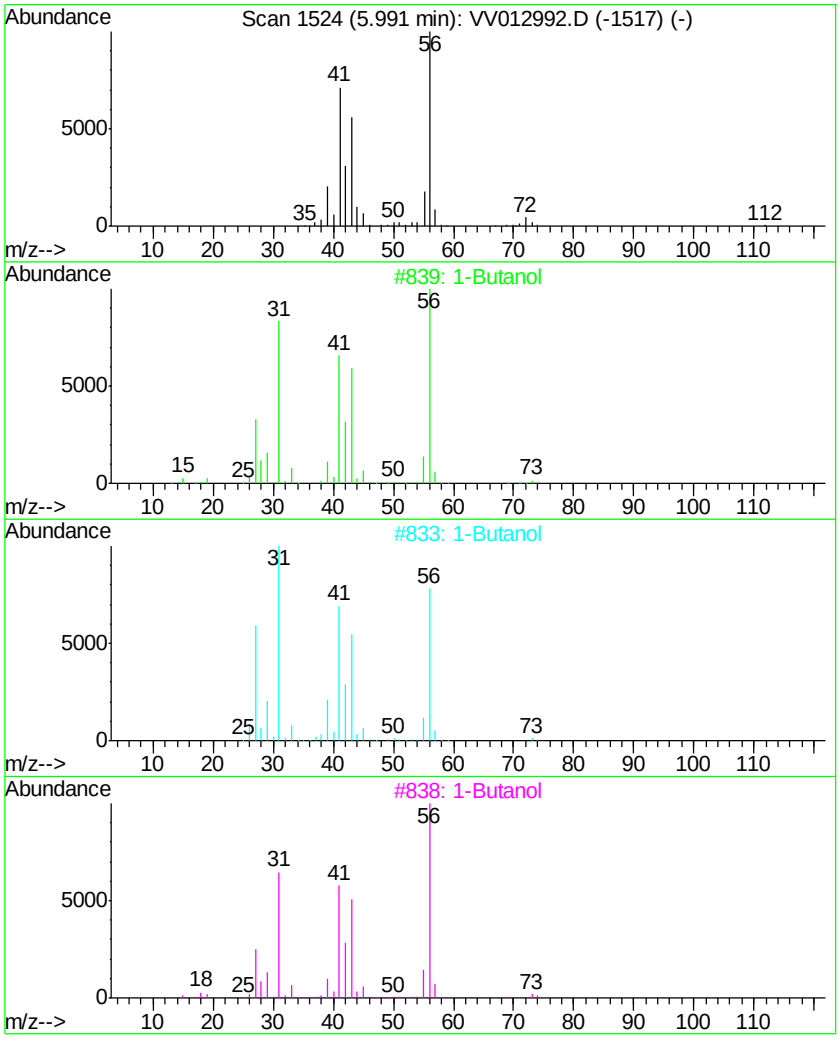
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

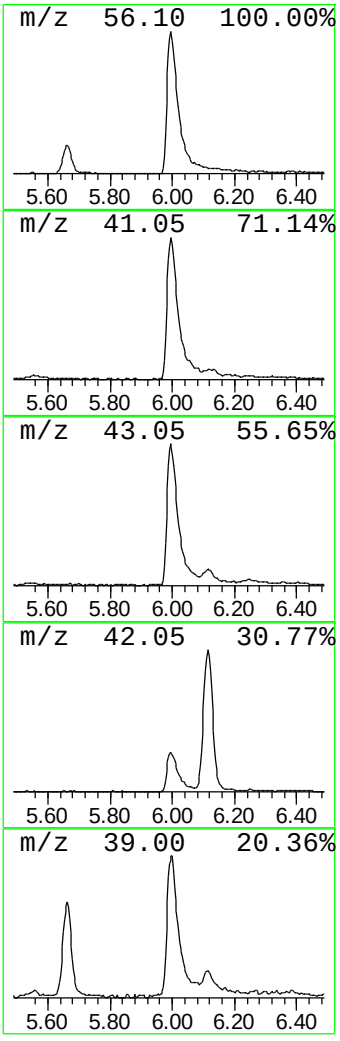
****

Peak Number 4 1-Butanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.99	4.87 ug/L	324488	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	80
2	1-Butanol	74	C4H10O	000071-36-3	72
3	1-Butanol	74	C4H10O	000071-36-3	50
4	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	50
5	1-Butanol	74	C4H10O	000071-36-3	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092619\
Data File : VV012992.D
Acq On : 26 Sep 2019 11:46
Operator : SY/MD
Sample : K4988-12
Misc : 3.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ESP00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

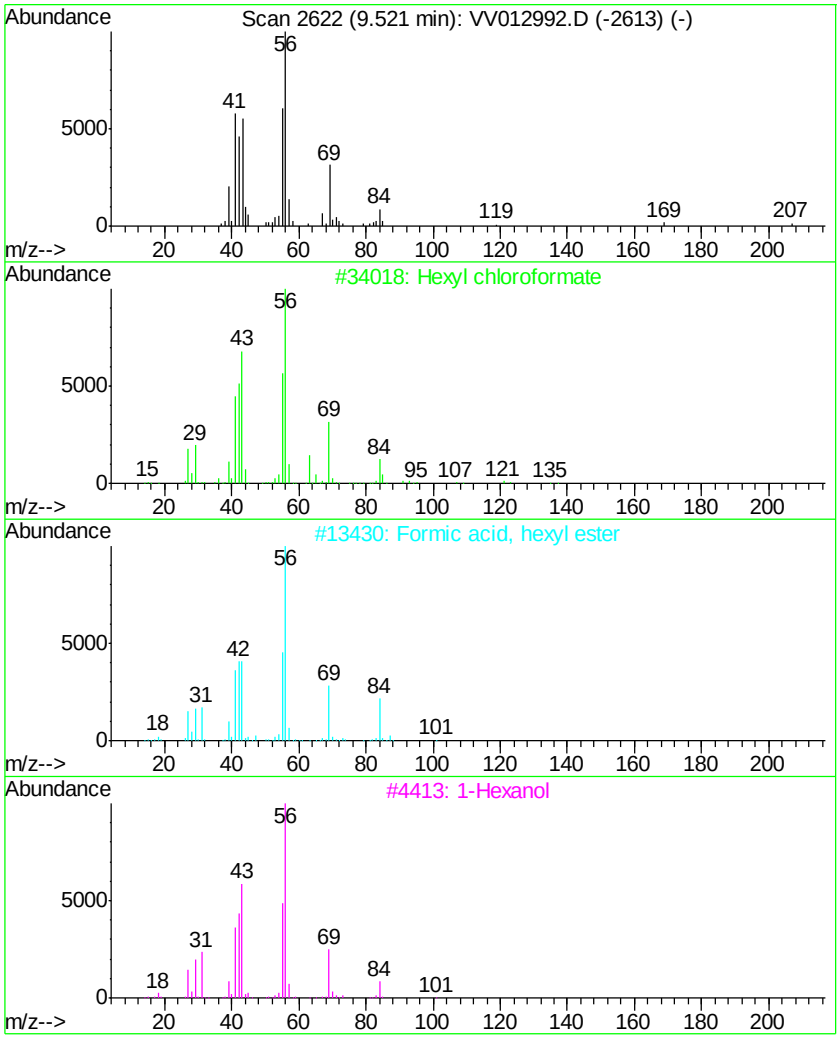
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

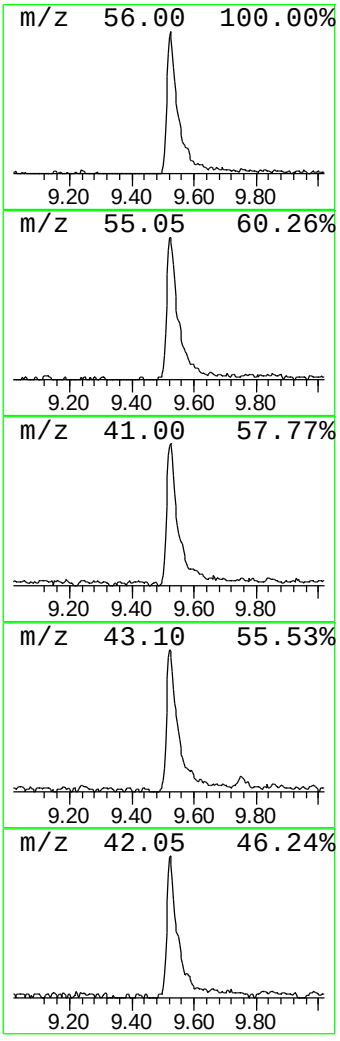
****

Peak Number 6 Hexyl chloroformate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	1.73 ug/L	135733	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexyl chloroformate	164	C7H13ClO2	006092-54-2	86
2	Formic acid, hexyl ester	130	C7H14O2	000629-33-4	78
3	1-Hexanol	102	C6H14O	000111-27-3	78
4	1-Hexanol	102	C6H14O	000111-27-3	78
5	1-Hexene	84	C6H12	000592-41-6	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092619\
Data File : VV012992.D
Acq On : 26 Sep 2019 11:46
Operator : SY/MD
Sample : K4988-12
Misc : 3.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ESP00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.82	2.7	ug/L	177515	1	5.66	1665530	25.0
Ethanol	1.96	186.9	ug/L	12450400	1	5.66	1665530	25.0
1-Butanol	5.99	4.9	ug/L	324488	1	5.66	1665530	25.0
Hexyl chloroformate	9.52	1.7	ug/L	135733	2	8.89	1965970	25.0