LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010907.D
Acq On : 15 May 2019 20:52
Operator : SY/MD
Sample : K2738-15RE
Misc : 4.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899RE

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\SOM2VLM051319S.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	61	70	83	rBV2	72044	104528	22.72%	2.589%
2	1.566	141	148	158	rVB	42311	48917	10.63%	1.212%
3	2.122	311	321	332	rVB	97400	136827	29.74%	3.389%
4	2.196	332	344	352	rBV	61858	130251	28.31%	3.226%
5	2.531	440	448	459	rVB3	3059	4779	1.04%	0.118%
6	2.682	479	495	516	rBV2	37599	97139	21.12%	2.406%
7	3.437	727	730	738	rVB4	534	409	0.09%	0.010%
8	3.502	745	750	752	rBV3	300	255	0.06%	0.006%
9	3.682	801	806	808	rVV2	346	308	0.07%	0.008%
10	3.827	847	851	854	rBV4	430	355	0.08%	0.009%
11	3.884	865	869	872	rBV5	334	319	0.07%	0.008%
12	3.936	872	885	911	rVV2	18801	50779	11.04%	1.258%
13	4.039	915	917	922	rVB4	531	358	0.08%	0.009%
14	4.164	953	956	960	rVB2	501	425	0.09%	0.011%
15	4.286	988	994	996	rBV2	401	435	0.09%	0.011%
16	4.396	1012	1028	1056	rBV	76132	193481	42.06%	4.792%
17	4.611	1092	1095	1098	rBV2	517	382	0.08%	0.009%
18	4.704	1120	1124	1127	rVB2	371	296	0.06%	0.007%
19	4.817	1154	1159	1163	rBV2	391	410	0.09%	0.010%
20	4.900	1181	1185	1193	rVB2	145	258	0.06%	0.006%
21	5.090	1228	1244	1273	rBV2	185503	460044	100.00%	11.394%
22	5.531	1378	1381	1388	rBV3	377	326	0.07%	0.008%
23	5.659	1408	1421	1452	rBV2	151856	316072	68.70%	7.828%
24	5.820	1469	1471	1476	rBV3	388	321	0.07%	0.008%
25	5.916	1497	1501	1504	rBV2	262	316	0.07%	0.008%
26	5.945	1504	1510	1520	rVB5	1437	2430	0.53%	0.060%
27	6.003	1520	1528	1531	rBV4	1633	2104	0.46%	0.052%
28	6.116	1548	1563	1582	rBV	105892	219057	47.62%	5.425%
29	6.296	1612	1619	1621	rBV3	739	664	0.14%	0.016%
30	6.527	1687	1691	1695	rBV	334	306	0.07%	0.008%
31	6.614	1714	1718	1720	rBV2	392	270	0.06%	0.007%
32	6.691	1736	1742	1744	rBV4	826	685	0.15%	0.017%
33	6.804	1772	1777	1778	rVV4	478	362	0.08%	0.009%
34	6.817	1778	1781	1788	rVV4	841	1134	0.25%	0.028%

LSC Area Percent Report

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Operator : SY/MD
Sample : K2738-15RE
Misc : 4.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899RE

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\SOM2VLM051319S.M
Title : VOC Analysis

35	7.026	1831	1846	1867	rBV	55181	99612	21.65%	2.467%
36	7.103	1867	1870	1873	rVB3	418	290	0.06%	0.007%
37	7.183	1884	1895	1916	rVB4	4179	8815	1.92%	0.218%
38	7.283	1916	1926	1929	rBV6	1548	2476	0.54%	0.061%
39	7.302	1929	1932	1938	rVB4	882	907	0.20%	0.022%
40	7.357	1938	1949	1971	rBV	202023	365525	79.45%	9.053%
41	7.662	2032	2044	2060	rBV	38060	64786	14.08%	1.605%
42	7.894	2112	2116	2118	rBV2	1064	706	0.15%	0.017%
43	7.981	2131	2143	2152	rVB4	1877	3043	0.66%	0.075%
44	8.132	2177	2190	2217	rBV	72214	133863	29.10%	3.315%
45	8.283	2228	2237	2247	rBV6	3246	5292	1.15%	0.131%
46	8.347	2252	2257	2260	rBV3	785	699	0.15%	0.017%
47	8.588	2326	2332	2337	rBV3	283	405	0.09%	0.010%
48	8.768	2378	2388	2397	rVB5	1625	2791	0.61%	0.069%
49	8.833	2401	2408	2411	rBV2	250	306	0.07%	0.008%
50	8.894	2414	2427	2449	rBV	244032	414876	90.18%	10.275%
51	9.087	2484	2487	2490	rVV3	401	374	0.08%	0.009%
52	9.116	2493	2496	2498	rVB3	515	317	0.07%	0.008%
53	9.183	2513	2517	2527	rVB3	1051	1217	0.26%	0.030%
54	9.588	2636	2643	2651	rVV8	1915	3420	0.74%	0.085%
55	9.640	2651	2659	2671	rVV	9104	14294	3.11%	0.354%
56	9.688	2671	2674	2678	rVB3	532	401	0.09%	0.010%
57	9.743	2684	2691	2705	rVB3	1671	2973	0.65%	0.074%
58	9.849	2717	2724	2735	rBV4	1603	2721	0.59%	0.067%
59	9.971	2759	2762	2768	rVB3	894	976	0.21%	0.024%
60	10.061	2780	2790	2799	rBV4	2298	3327	0.72%	0.082%
61	10.145	2802	2816	2825	rBV8	3295	6614	1.44%	0.164%
62	10.260	2841	2852	2865	rBV	111049	174924	38.02%	4.332%
63	10.399	2889	2895	2896	rBV2	1776	1199	0.26%	0.030%
64	10.421	2897	2902	2911	rVB5	5409	7714	1.68%	0.191%
65	10.473	2913	2918	2934	rVB4	1158	1726	0.38%	0.043%
66	10.553	2934	2943	2953	rBV6	2261	4275	0.93%	0.106%
67	10.624	2957	2965	2968	rBV5	1847	2327	0.51%	0.058%
68	10.733	2996	2999	3001	rBV3	477	315	0.07%	0.008%
69	10.778	3010	3013	3017	rBV4	441	505	0.11%	0.013%
70	10.813	3017	3024	3031	rVB7	1925	2782	0.60%	0.069%
71	10.874	3034	3043	3049	rBV6	993	1566	0.34%	0.039%

LSC Area Percent Report

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Acq On : 15 May 2019 20:52
Operator : SY/MD
Sample : K2738-15RE
Misc : 4.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899RE

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\SOM2VLM051319S.M
Title : VOC Analysis

72	10.903	3049	3052	3054	rBV4	623	432	0.09%	0.011%
73	10.964	3064	3071	3074	rBV4	2137	2860	0.62%	0.071%
74	11.067	3097	3103	3104	rBV5	1467	1156	0.25%	0.029%
75	11.141	3123	3126	3130	rBV3	455	495	0.11%	0.012%
76	11.196	3134	3143	3151	rVV4	4427	6683	1.45%	0.166%
77	11.231	3151	3154	3161	rVV5	1832	2228	0.48%	0.055%
78	11.292	3162	3173	3195	rVV	246943	396221	86.13%	9.813%
79	11.373	3195	3198	3200	rVB3	577	373	0.08%	0.009%
80	11.437	3211	3218	3221	rBV5	1057	1082	0.24%	0.027%
81	11.572	3248	3260	3279	rBV	37508	65943	14.33%	1.633%
82	11.672	3279	3291	3305	rVB	231924	364187	79.16%	9.020%
83	11.955	3371	3379	3380	rBV5	1224	1354	0.29%	0.034%
84	12.225	3460	3463	3466	rBV3	417	358	0.08%	0.009%
85	12.289	3472	3483	3499	rBV4	5855	13220	2.87%	0.327%
86	12.389	3508	3514	3527	rVB3	9095	13868	3.01%	0.343%
87	12.511	3548	3552	3563	rVB7	2648	3563	0.77%	0.088%
88	12.717	3608	3616	3626	rVB4	9954	15287	3.32%	0.379%
89	14.514	4168	4175	4187	rVB4	17687	27552	5.99%	0.682%
90	14.678	4221	4226	4231	rBV4	638	781	0.17%	0.019%
91	14.849	4277	4279	4283	rVB4	383	259	0.06%	0.006%
92	15.167	4371	4378	4389	rBV5	2035	2941	0.64%	0.073%
93	15.324	4424	4427	4435	rVB3	498	438	0.10%	0.011%
94	15.411	4449	4454	4456	rBV	461	369	0.08%	0.009%
95	15.906	4605	4608	4611	rVB3	405	264	0.06%	0.007%
96	16.476	4782	4785	4788	rBV	499	357	0.08%	0.009%
97	16.549	4805	4808	4813	rVB3	598	542	0.12%	0.013%
98	16.755	4869	4872	4874	rBV	480	253	0.05%	0.006%
99	16.890	4912	4914	4920	rBV4	573	625	0.14%	0.015%
100	16.984	4939	4943	4947	rBV3	531	662	0.14%	0.016%

Sum of corrected areas: 4037714

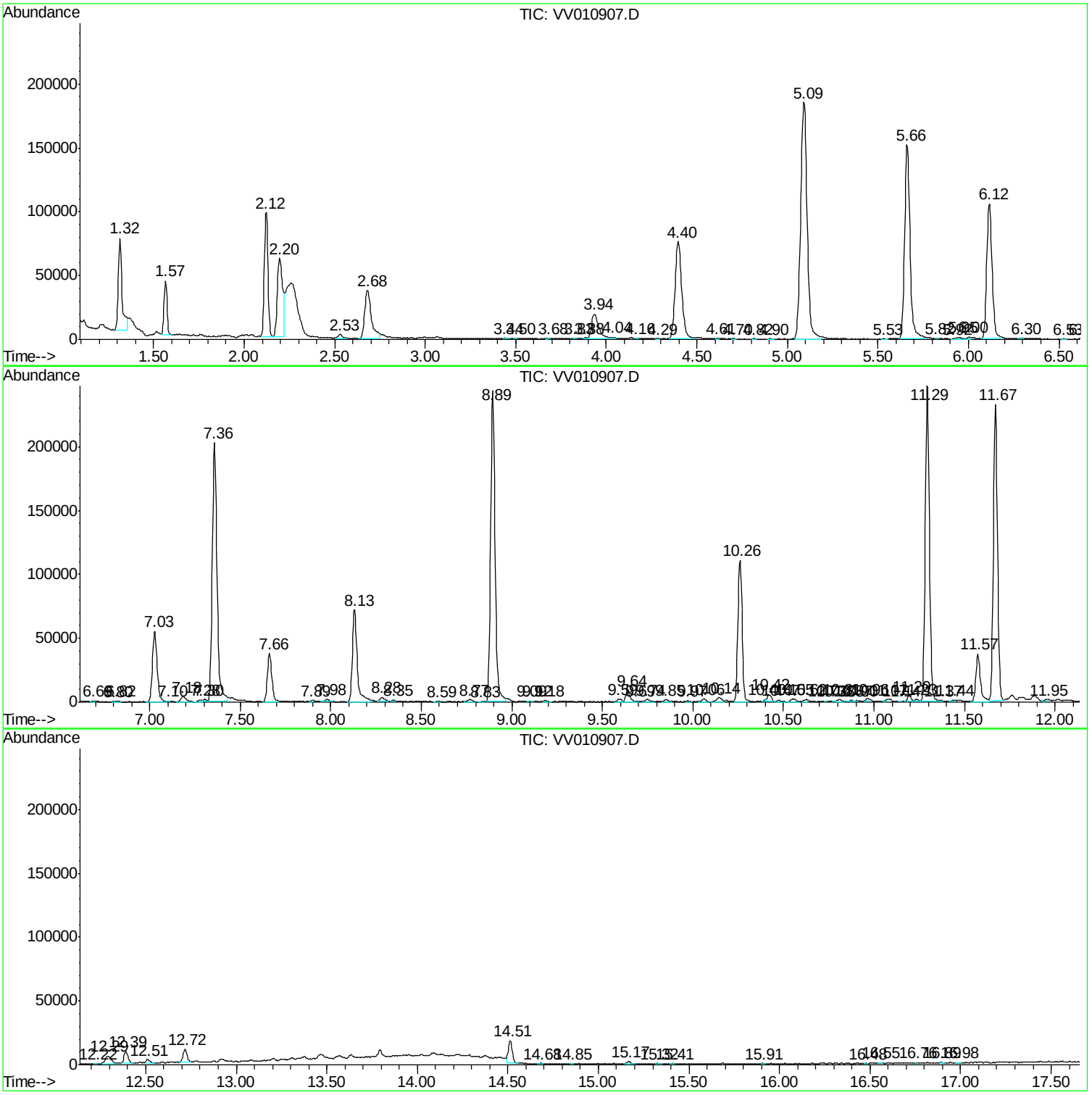
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010907.D
Acq On : 15 May 2019 20:52
Operator : SY/MD
Sample : K2738-15RE
Misc : 4.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB899RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010907.D
Acq On : 15 May 2019 20:52
Operator : SY/MD
Sample : K2738-15RE
Misc : 4.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

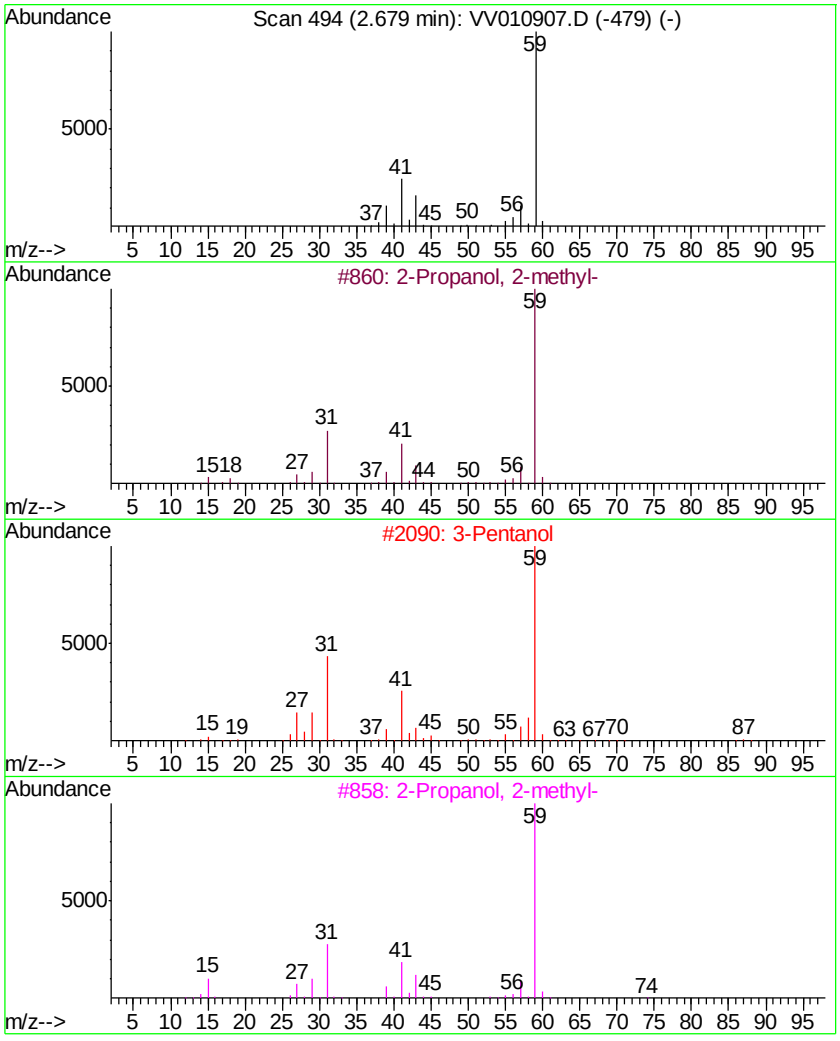
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

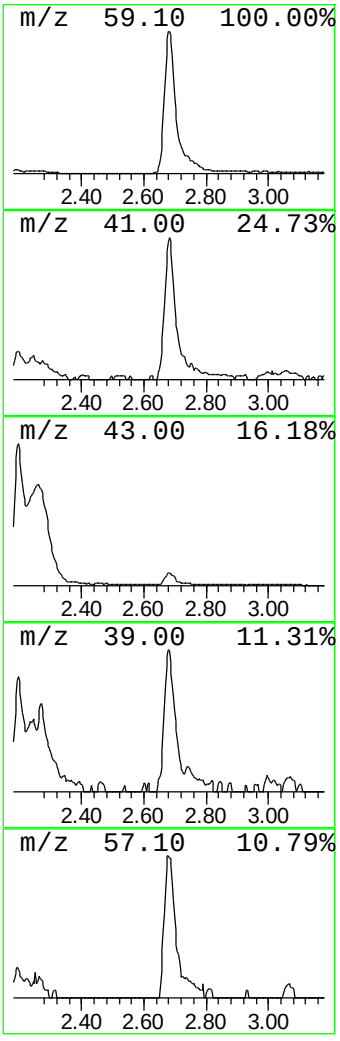
****

Peak Number 1 2-Propanol, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.68	7.68 ug/L	97139	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64
2	3-Pentanol	88	C5H12O	000584-02-1	56
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	43
4	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	9
5	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
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Acq On : 15 May 2019 20:52
Operator : SY/MD
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

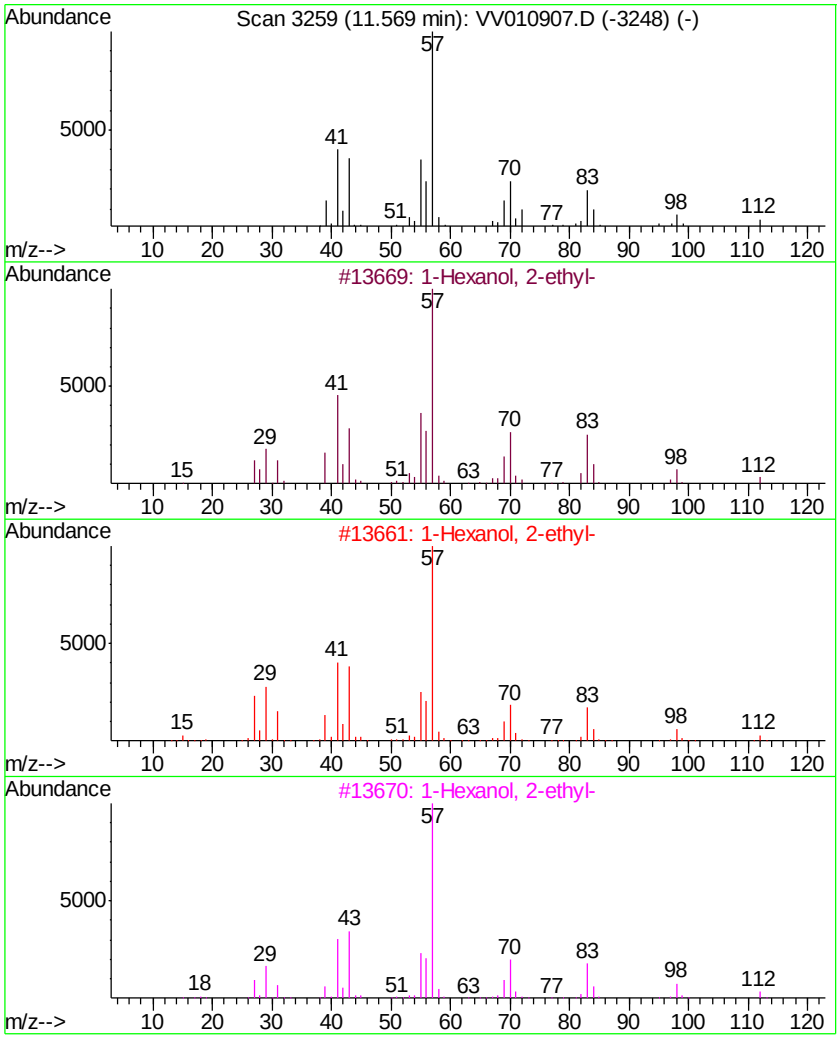
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

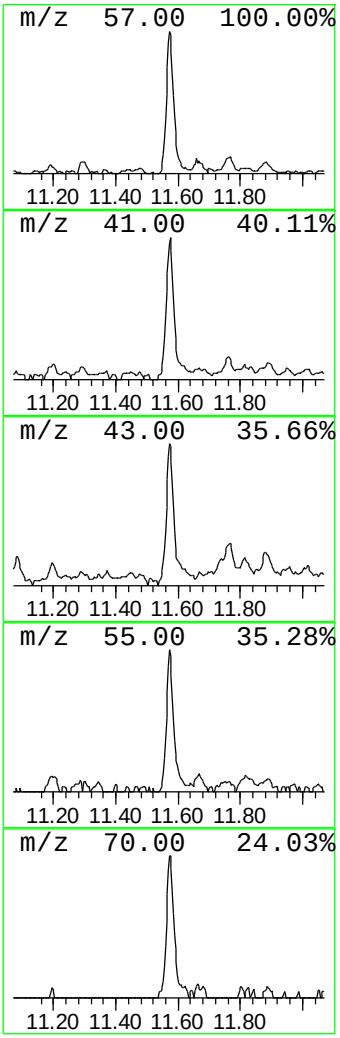
****

Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	4.16 ug/L	65943	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	90
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	80
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
4	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	59
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	53





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Instrument : MSVOA_V
ClientSampleId : DB899RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

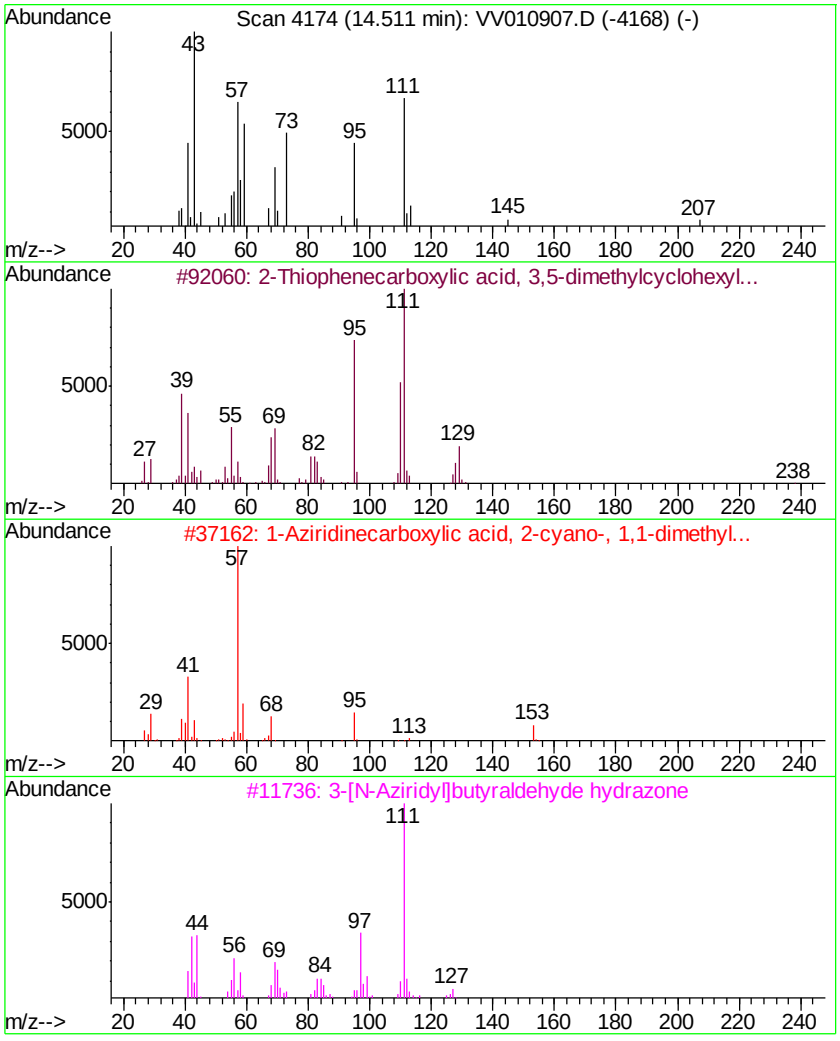
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

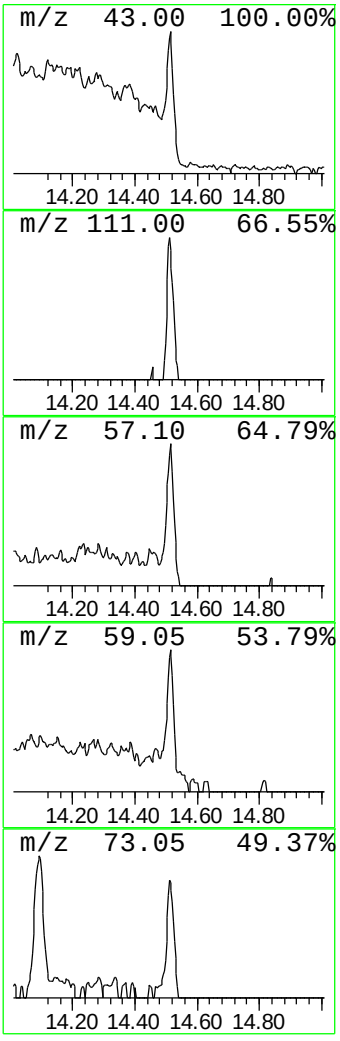
****

Peak Number 4 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	1.74 ug/L	27552	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Thiophenecarboxylic acid, 3,5-...	238	C13H18O2S	1000278-87-5	23
2	1-Aziridinecarboxylic acid, 2-cy...	168	C8H12N2O2	067276-82-8	23
3	3-[N-Aziridyl]butyraldehyde hydr...	127	C6H13N3	1000257-03-1	9
4	Butanoic acid, 3,3-dimethyl-	116	C6H12O2	001070-83-3	9
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
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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
2-Propanol, 2-met...	2.68	7.7	ug/L	97139	1	5.66	316072	25.0
1-Hexanol, 2-ethyl-	11.57	4.2	ug/L	65943	3	11.30	396221	25.0
unknown-01	14.51	1.7	ug/L	27552	3	11.30	396221	25.0