LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010856.D
Acq On : 14 May 2019 12:24
Operator : SY/MD
Sample : K2692-21RE
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5184RE

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	1.386	88	92	99	rVB	47419	44835	11.44%	1.583%
2	1.566	142	148	157	rVB	36592	40371	10.30%	1.425%
3	2.119	310	320	331	rBV	82671	119429	30.48%	4.216%
4	2.457	417	425	434	rBV2	6253	9786	2.50%	0.345%
5	2.528	440	447	458	rVB6	3090	5398	1.38%	0.191%
6	2.791	527	529	532	rBV2	205	120	0.03%	0.004%
7	2.984	580	589	591	rBV4	1564	2223	0.57%	0.078%
8	3.065	610	614	628	rVB4	1463	2115	0.54%	0.075%
9	3.155	640	642	643	rBV4	136	58	0.01%	0.002%
10	3.171	644	647	650	rBV2	255	155	0.04%	0.005%
11	3.203	653	657	659	rBV2	505	365	0.09%	0.013%
12	3.232	664	666	670	rVB2	180	115	0.03%	0.004%
13	3.286	679	683	686	rBV	241	270	0.07%	0.010%
14	3.380	709	712	716	rBV2	200	234	0.06%	0.008%
15	3.495	745	748	753	rBV2	194	237	0.06%	0.008%
16	3.541	760	762	763	rBV	198	105	0.03%	0.004%
17	3.753	818	828	830	rBV3	2609	3595	0.92%	0.127%
18	3.933	872	884	906	rBV	15338	41390	10.56%	1.461%
19	4.200	963	967	968	rBV	236	140	0.04%	0.005%
20	4.235	974	978	982	rBV2	139	159	0.04%	0.006%
21	4.283	991	993	994	rBV	135	73	0.02%	0.003%
22	4.319	1001	1004	1007	rBV	190	181	0.05%	0.006%
23	4.396	1011	1028	1053	rBV	66090	161316	41.17%	5.695%
24	4.785	1145	1149	1154	rBV2	223	237	0.06%	0.008%
25	4.897	1181	1184	1190	rBV2	189	208	0.05%	0.007%
26	4.949	1196	1200	1201	rBV	127	69	0.02%	0.002%
27	4.984	1208	1211	1215	rVB	227	177	0.05%	0.006%
28	5.007	1215	1218	1219	rBV	194	137	0.03%	0.005%
29	5.090	1227	1244	1276	rBV2	151371	391796	100.00%	13.832%
30	5.322	1313	1316	1318	rBV	161	95	0.02%	0.003%
31	5.360	1322	1328	1329	rBV	1478	1172	0.30%	0.041%
32	5.470	1359	1362	1367	rVB2	161	183	0.05%	0.006%
33	5.502	1367	1372	1375	rBV2	268	289	0.07%	0.010%
34	5.531	1378	1381	1384	rBV3	520	397	0.10%	0.014%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010856.D
Acq On : 14 May 2019 12:24
Operator : SY/MD
Sample : K2692-21RE
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5184RE

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	5.659	1408	1421	1451	rBV	140927	295046	75.31%	10.416%
36	5.891	1491	1493	1494	rBV	156	69	0.02%	0.002%
37	5.942	1506	1509	1511	rBV2	513	389	0.10%	0.014%
38	6.052	1540	1543	1546	rBV2	131	112	0.03%	0.004%
39	6.116	1546	1563	1584	rBV2	89514	184627	47.12%	6.518%
40	6.328	1621	1629	1649	rBV4	10212	19941	5.09%	0.704%
41	6.560	1695	1701	1705	rBV2	261	350	0.09%	0.012%
42	6.592	1708	1711	1713	rBV2	192	140	0.04%	0.005%
43	6.753	1760	1761	1762	rBV	179	57	0.01%	0.002%
44	6.817	1779	1781	1783	rBV	139	64	0.02%	0.002%
45	6.830	1783	1785	1787	rVB	143	74	0.02%	0.003%
46	6.839	1787	1788	1790	rBV2	133	69	0.02%	0.002%
47	7.026	1835	1846	1864	rBV	39900	71947	18.36%	2.540%
48	7.142	1880	1882	1887	rVB	333	158	0.04%	0.006%
49	7.177	1887	1893	1895	rBV3	1427	1236	0.32%	0.044%
50	7.238	1911	1912	1915	rBV	99	63	0.02%	0.002%
51	7.257	1915	1918	1921	rBV2	210	160	0.04%	0.006%
52	7.283	1923	1926	1931	rVB2	386	321	0.08%	0.011%
53	7.357	1933	1949	1964	rBV	146163	267882	68.37%	9.457%
54	7.663	2034	2044	2057	rBV2	25536	42531	10.86%	1.501%
55	7.897	2115	2117	2120	rVB	224	102	0.03%	0.004%
56	7.978	2132	2142	2143	rBV2	1485	1612	0.41%	0.057%
57	8.036	2157	2160	2161	rBV	263	127	0.03%	0.004%
58	8.074	2167	2172	2176	rBV2	315	365	0.09%	0.013%
59	8.132	2179	2190	2217	rBV	57626	114260	29.16%	4.034%
60	8.280	2227	2236	2252	rVB	72526	116565	29.75%	4.115%
61	8.553	2320	2321	2323	rBV	185	80	0.02%	0.003%
62	8.617	2339	2341	2343	rBV	265	98	0.03%	0.003%
63	8.810	2395	2401	2404	rBV2	286	346	0.09%	0.012%
64	8.894	2415	2427	2456	rBV	191552	322192	82.23%	11.374%
65	9.026	2465	2468	2469	rBV	109	62	0.02%	0.002%
66	9.180	2510	2516	2526	rVB3	3756	5081	1.30%	0.179%
67	9.251	2533	2538	2539	rBV2	630	495	0.13%	0.017%
68	9.338	2563	2565	2566	rBV2	240	90	0.02%	0.003%
69	9.354	2566	2570	2573	rVV3	596	475	0.12%	0.017%
70	9.431	2590	2594	2598	rBV2	307	309	0.08%	0.011%
71	9.592	2636	2644	2648	rBV3	1710	2608	0.67%	0.092%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010856.D
Acq On : 14 May 2019 12:24
Operator : SY/MD
Sample : K2692-21RE
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5184RE

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	9.746	2686	2692	2702	rBV3	1111	2073	0.53%	0.073%
73	9.849	2716	2724	2738	rBV3	6122	10844	2.77%	0.383%
74	10.260	2841	2852	2872	rVB2	71094	112021	28.59%	3.955%
75	10.424	2897	2903	2915	rVB4	3586	4908	1.25%	0.173%
76	10.473	2915	2918	2919	rBV	345	213	0.05%	0.008%
77	10.495	2919	2925	2928	rBV5	517	607	0.15%	0.021%
78	10.627	2959	2966	2977	rVB3	5107	7123	1.82%	0.251%
79	10.945	3057	3065	3088	rVB5	17082	42523	10.85%	1.501%
80	11.029	3088	3091	3094	rBV2	415	322	0.08%	0.011%
81	11.087	3103	3109	3112	rBV4	1297	1527	0.39%	0.054%
82	11.193	3135	3142	3152	rBV4	5797	9259	2.36%	0.327%
83	11.293	3162	3173	3191	rVB	111053	179026	45.69%	6.320%
84	11.457	3222	3224	3226	rBV3	352	147	0.04%	0.005%
85	11.576	3254	3261	3270	rBV6	3586	5880	1.50%	0.208%
86	11.672	3281	3291	3303	rBV	84951	130872	33.40%	4.620%
87	11.765	3317	3320	3321	rBV	262	127	0.03%	0.004%
88	11.830	3332	3340	3347	rBV4	4052	6336	1.62%	0.224%
89	12.055	3405	3410	3414	rBV4	1855	2145	0.55%	0.076%
90	12.145	3435	3438	3441	rBV	325	148	0.04%	0.005%
91	12.293	3475	3484	3490	rBV5	3164	4831	1.23%	0.171%
92	12.392	3509	3515	3523	rVB6	3839	4773	1.22%	0.169%
93	12.511	3546	3552	3560	rVB5	2400	3198	0.82%	0.113%
94	12.717	3606	3616	3623	rBV4	1482	2612	0.67%	0.092%
95	12.788	3629	3638	3651	rVB2	11001	17600	4.49%	0.621%
96	12.891	3668	3670	3674	rBV	221	111	0.03%	0.004%
97	12.929	3674	3682	3692	rBV8	2384	4340	1.11%	0.153%
98	13.212	3768	3770	3773	rBV	319	162	0.04%	0.006%
99	13.521	3864	3866	3868	rBV	274	106	0.03%	0.004%
100	14.682	4222	4227	4236	rVB3	1002	1228	0.31%	0.043%

Sum of corrected areas: 2832595

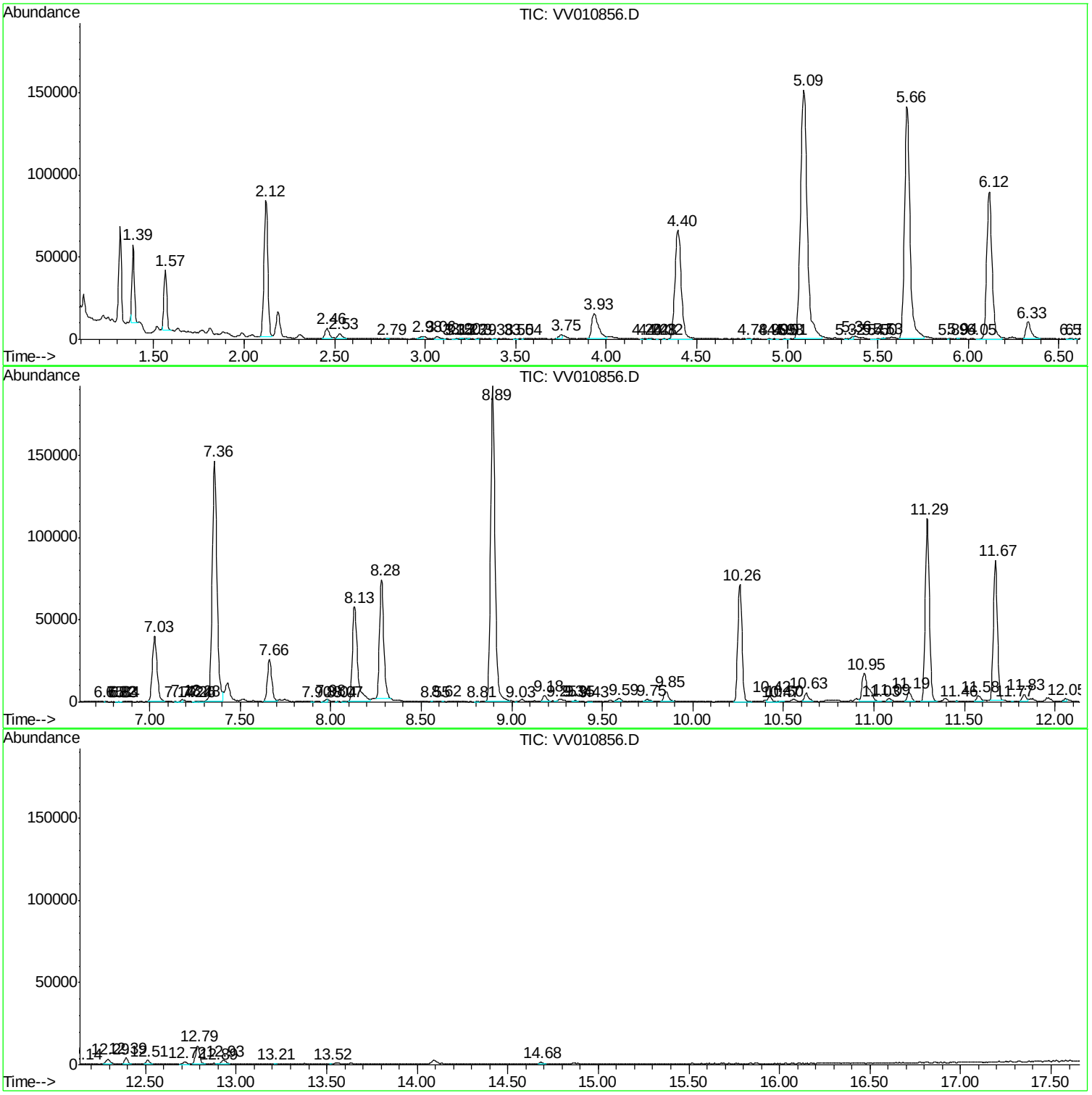
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010856.D
Acq On : 14 May 2019 12:24
Operator : SY/MD
Sample : K2692-21RE
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5184RE

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 : VV010856.D
Acq On : 14 May 2019 12:24
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5184RE

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

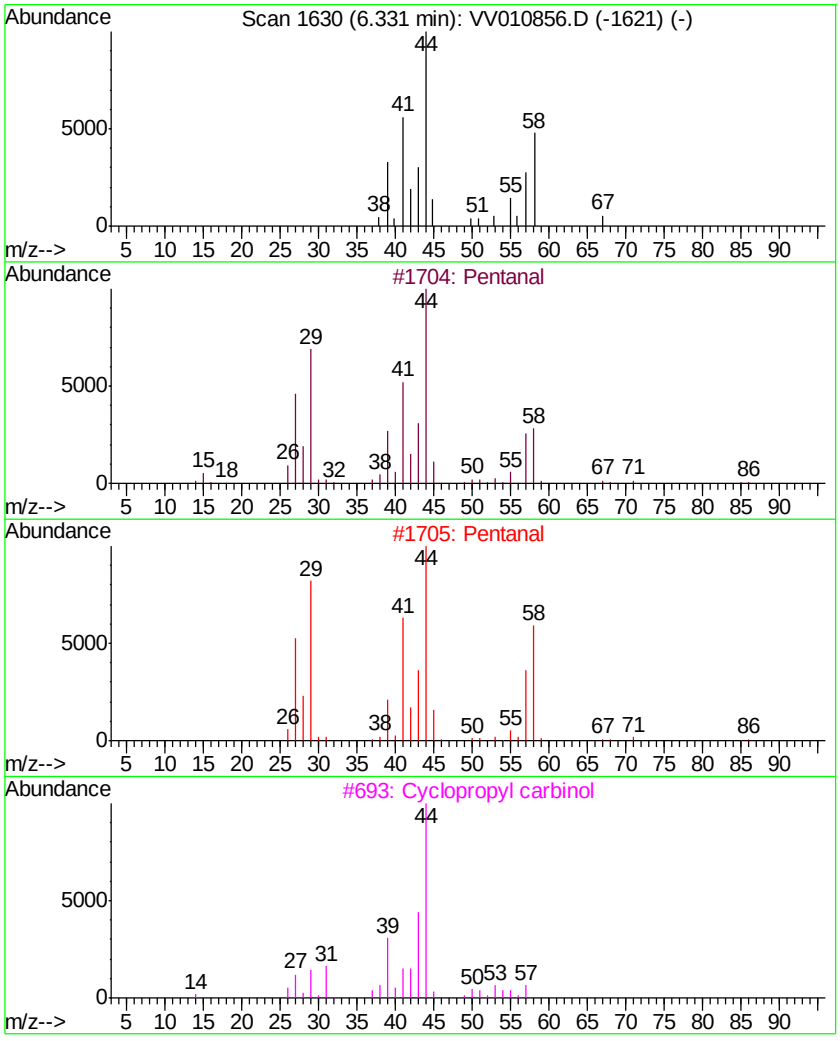
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

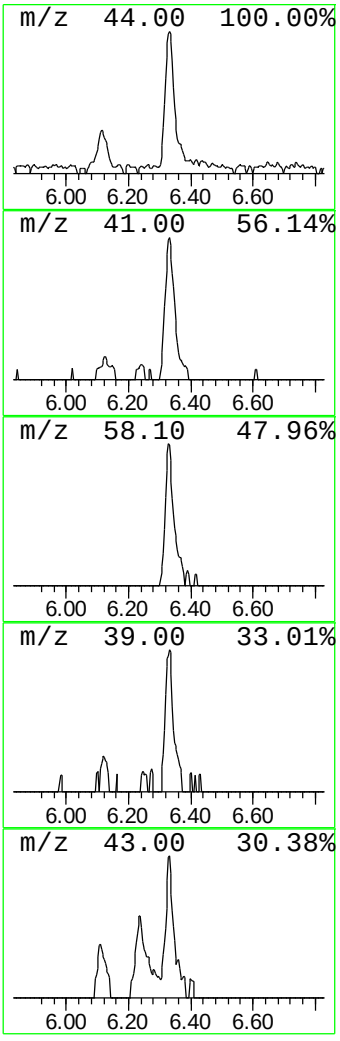
****

Peak Number 2 Pentanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	1.69 ug/L	19941	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	50
2	Pentanal	86	C5H10O	000110-62-3	39
3	Cyclopropyl carbinol	72	C4H8O	002516-33-8	9
4	Carbonic acid, ethyl 2-propenyl ...	130	C6H10O3	001469-70-1	9
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010856.D
Acq On : 14 May 2019 12:24
Operator : SY/MD
Sample : K2692-21RE
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5184RE

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

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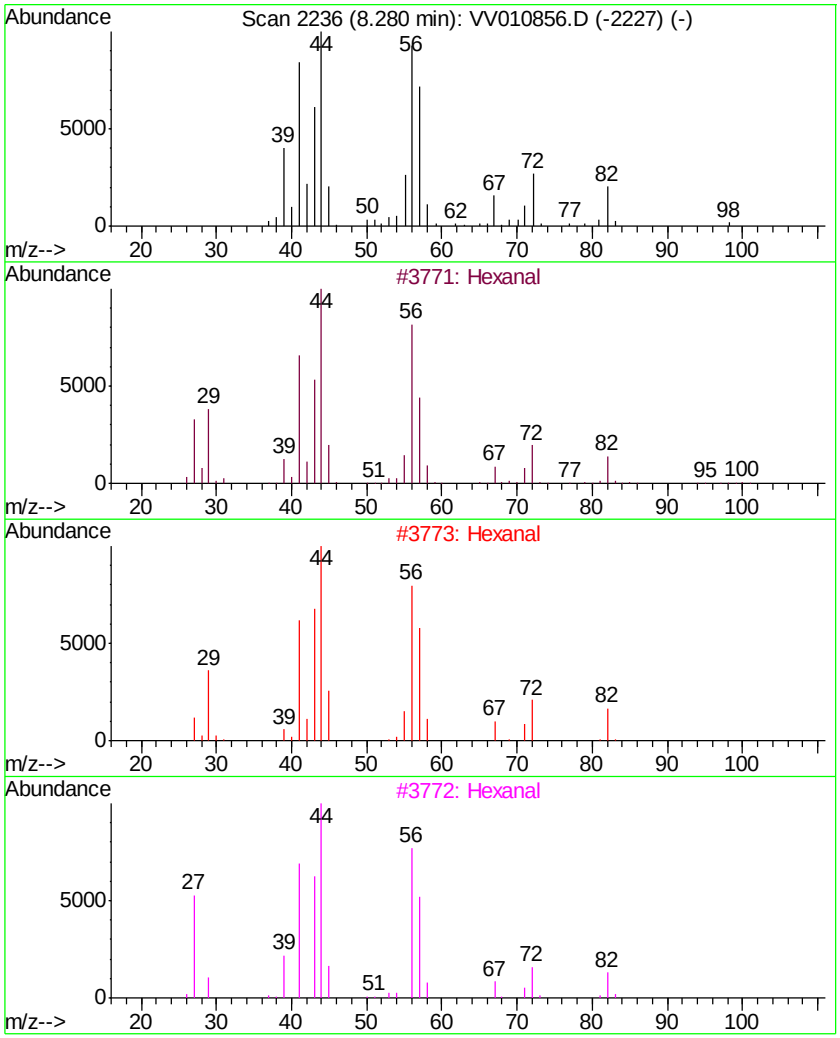
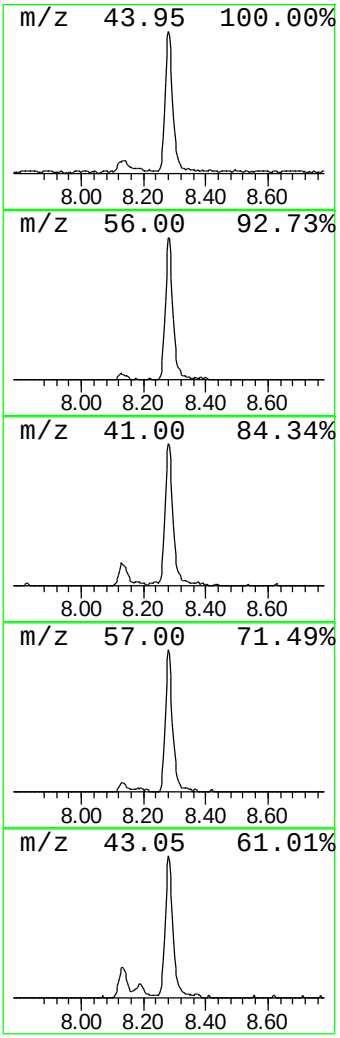
Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	9.04 ug/L	116565	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	64
2	Hexanal	100	C6H12O	000066-25-1	64
3	Hexanal	100	C6H12O	000066-25-1	64
4	Hexanal	100	C6H12O	000066-25-1	59
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010856.D
Acq On : 14 May 2019 12:24
Operator : SY/MD
Sample : K2692-21RE
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5184RE

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

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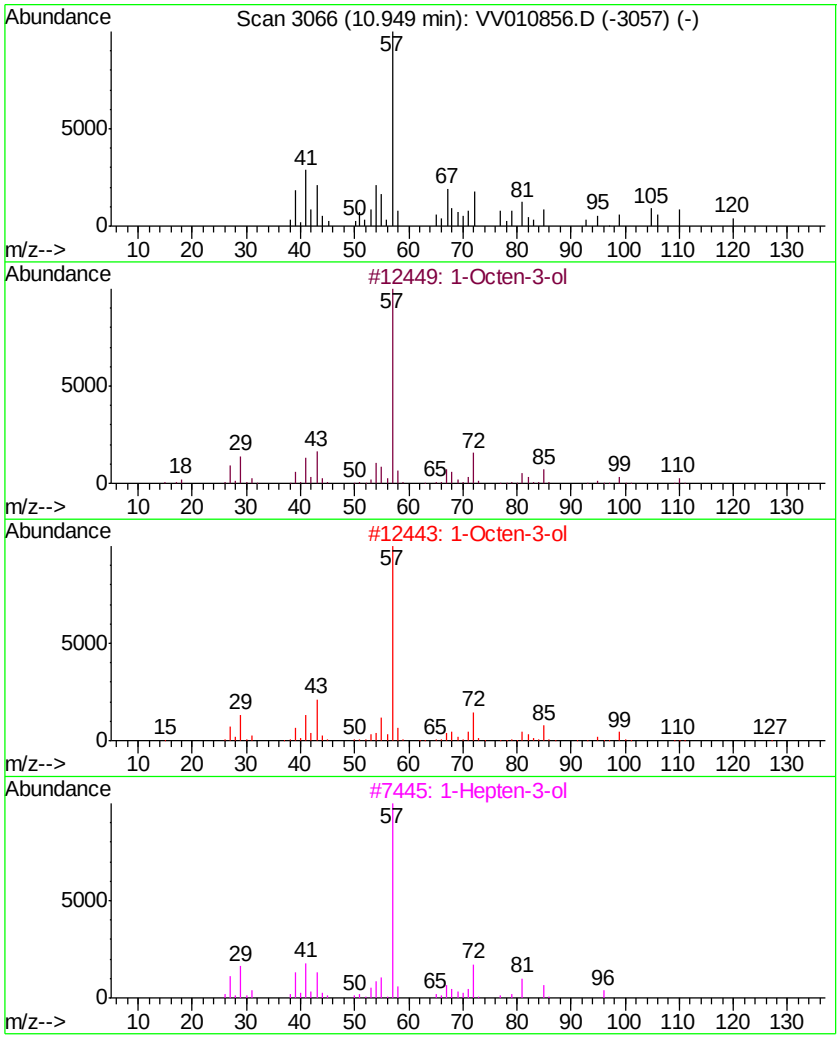
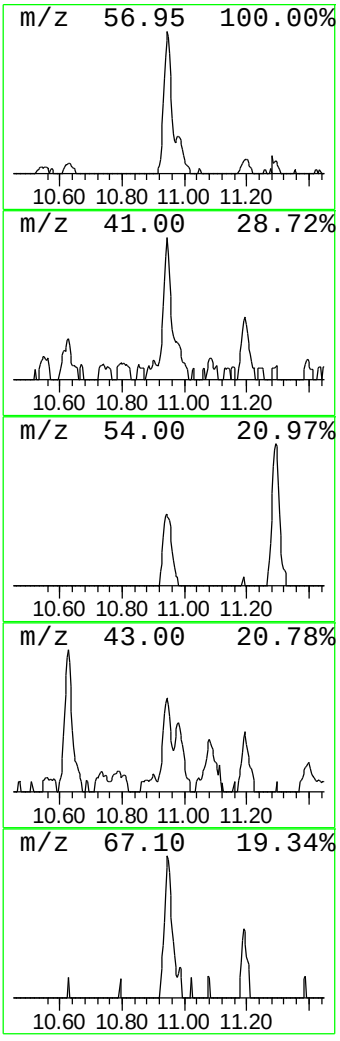
Peak Number 5 1-Octen-3-ol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	5.94 ug/L	42523	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octen-3-ol	128	C8H16O	003391-86-4	53
2	1-Octen-3-ol	128	C8H16O	003391-86-4	43
3	1-Hepten-3-ol	114	C7H14O	004938-52-7	37
4	1-Octen-3-ol	128	C8H16O	003391-86-4	35
5	1-Octen-3-ol	128	C8H16O	003391-86-4	32





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010856.D
Acq On : 14 May 2019 12:24
Operator : SY/MD
Sample : K2692-21RE
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5184RE

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

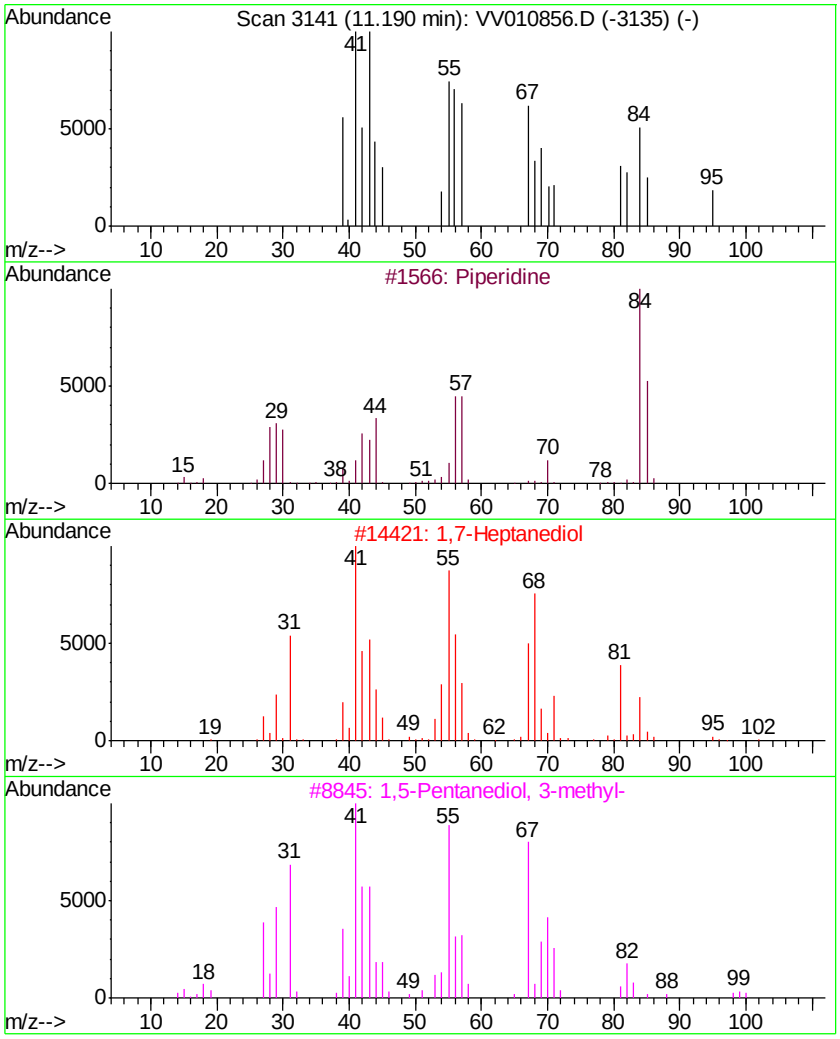
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

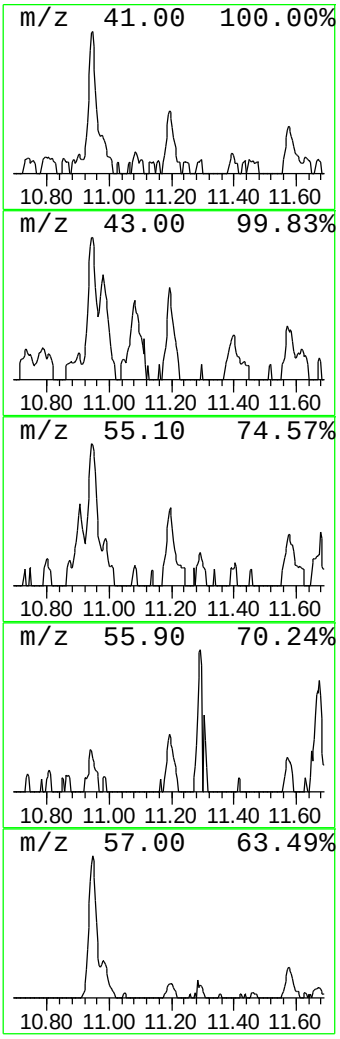
****

Peak Number 6 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	1.29 ug/L	9259	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperidine	85	C5H11N	000110-89-4	43
2	1,7-Heptanediol	132	C7H16O2	000629-30-1	40
3	1,5-Pentanediol, 3-methyl-	118	C6H14O2	004457-71-0	32
4	2,4,6,8-Tetramethyl-1-undecene	210	C15H30	059920-26-2	32
5	Pentane, 2-cyclopropyl-	112	C8H16	005458-16-2	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010856.D
Acq On : 14 May 2019 12:24
Operator : SY/MD
Sample : K2692-21RE
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5184RE

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

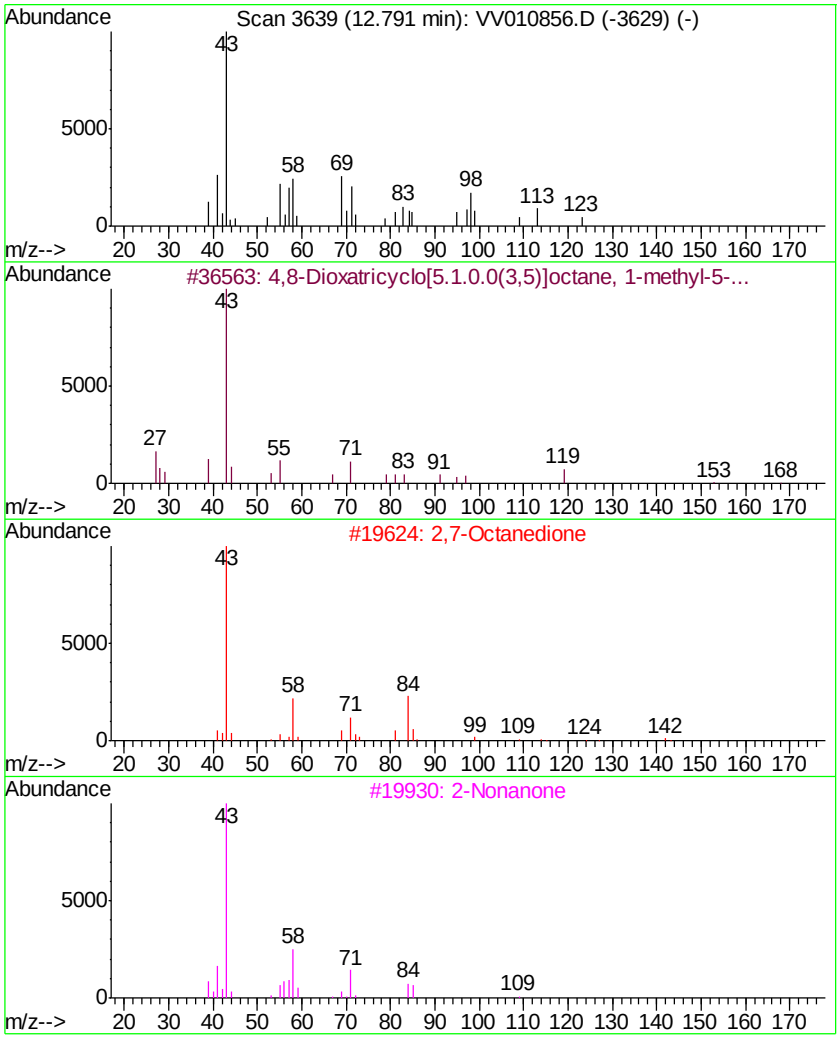
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

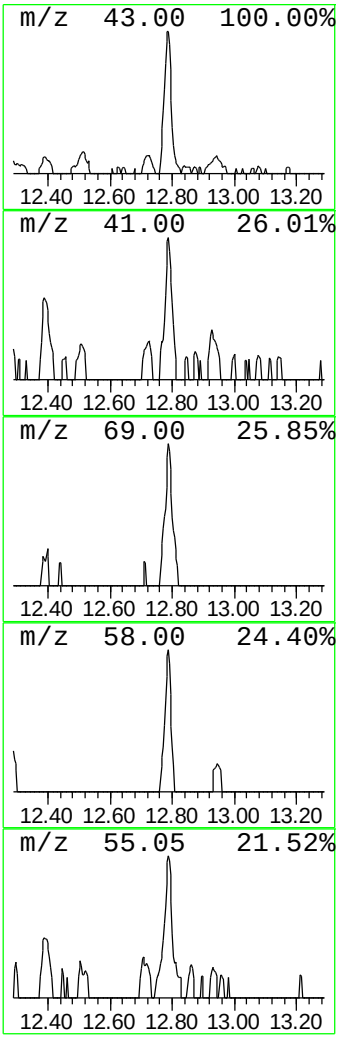
****

Peak Number 7 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	2.46 ug/L	17600	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,8-Dioxatricyclo[5.1.0.0(3,5)]o...	168	C10H16O2	042569-58-4	22
2	2,7-Octanedione	142	C8H14O2	001626-09-1	17
3	2-Nonanone	142	C9H18O	000821-55-6	16
4	Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	16
5	Acetic acid, trichloro-, nonyl e...	288	C11H19Cl3O2	065611-32-7	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010856.D
Acq On : 14 May 2019 12:24
Operator : SY/MD
Sample : K2692-21RE
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5184RE

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentanal	6.33	1.7	ug/L	19941	1	5.66	295046	25.0
Hexanal	8.28	9.0	ug/L	116565	2	8.89	322192	25.0
1-Octen-3-ol	10.95	5.9	ug/L	42523	3	11.30	179026	25.0
unknown-01	11.19	1.3	ug/L	9259	3	11.30	179026	25.0
unknown-02	12.79	2.5	ug/L	17600	3	11.30	179026	25.0