LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010394.D
Acq On : 19 Apr 2019 20:27
Operator : SY/MD
Sample : K2456-09
Misc : 5.01G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHP7

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\SOM2VLM041819S.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	67	71	80	rVB	112890	111659	11.04%	1.074%
2	1.579	146	152	165	rVB	88325	111471	11.02%	1.072%
3	2.129	314	323	334	rVB	227233	316380	31.28%	3.044%
4	2.315	374	381	392	rVB2	5600	8477	0.84%	0.082%
5	2.537	439	450	467	rBV	59302	99729	9.86%	0.959%
6	2.791	525	529	530	rBV3	1044	821	0.08%	0.008%
7	2.894	555	561	565	rBV3	677	617	0.06%	0.006%
8	2.933	570	573	575	rBV2	701	450	0.04%	0.004%
9	3.023	597	601	605	rBV3	573	403	0.04%	0.004%
10	3.071	605	616	630	rVV4	5733	11707	1.16%	0.113%
11	3.219	659	662	665	rVV5	729	536	0.05%	0.005%
12	3.274	677	679	681	rBV2	450	253	0.03%	0.002%
13	3.293	682	685	688	rVB2	702	517	0.05%	0.005%
14	3.505	747	751	754	rBV2	376	341	0.03%	0.003%
15	3.675	802	804	807	rVB3	444	283	0.03%	0.003%
16	3.695	807	810	815	rBV2	522	465	0.05%	0.004%
17	3.936	871	885	908	rBV2	35043	94948	9.39%	0.913%
18	4.129	933	945	964	rBV2	60650	143912	14.23%	1.385%
19	4.402	1014	1030	1055	rBV2	148220	371962	36.78%	3.579%
20	4.859	1169	1172	1173	rBV2	504	251	0.02%	0.002%
21	4.939	1192	1197	1198	rBV2	656	509	0.05%	0.005%
22	4.984	1208	1211	1214	rVB3	482	293	0.03%	0.003%
23	5.097	1229	1246	1280	rBV2	336459	863895	85.42%	8.312%
24	5.251	1291	1294	1298	rBV3	1474	1141	0.11%	0.011%
25	5.376	1331	1333	1337	rBV3	669	441	0.04%	0.004%
26	5.460	1358	1359	1363	rVB2	605	308	0.03%	0.003%
27	5.511	1371	1375	1378	rBV4	399	352	0.03%	0.003%
28	5.563	1389	1391	1394	rBV	376	248	0.02%	0.002%
29	5.662	1407	1422	1450	rBV	322472	658104	65.07%	6.332%
30	5.945	1503	1510	1511	rBV4	3184	3068	0.30%	0.030%
31	6.029	1529	1536	1542	rBV6	1045	1642	0.16%	0.016%
32	6.119	1550	1564	1593	rBV2	196569	410107	40.55%	3.946%
33	6.325	1626	1628	1631	rBV3	712	476	0.05%	0.005%
34	6.389	1647	1648	1652	rBV2	338	249	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010394.D
Acq On : 19 Apr 2019 20:27
Operator : SY/MD
Sample : K2456-09
Misc : 5.01G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHP7

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\SOM2VLM041819S.M
Title : VOC Analysis

35	6.486	1675	1678	1682	rVB2	673	463	0.05%	0.004%
36	6.531	1685	1692	1694	rBV2	482	487	0.05%	0.005%
37	6.553	1694	1699	1701	rBV4	722	683	0.07%	0.007%
38	6.588	1707	1710	1714	rBV3	657	505	0.05%	0.005%
39	6.743	1756	1758	1761	rVB2	608	319	0.03%	0.003%
40	6.759	1761	1763	1766	rVB	558	273	0.03%	0.003%
41	6.781	1766	1770	1771	rBV2	455	313	0.03%	0.003%
42	6.820	1773	1782	1799	rVV4	9287	17872	1.77%	0.172%
43	7.029	1830	1847	1862	rBV	110901	199465	19.72%	1.919%
44	7.257	1913	1918	1920	rBV3	699	665	0.07%	0.006%
45	7.360	1938	1950	1965	rBV	394247	698997	69.12%	6.725%
46	7.621	2026	2031	2033	rBV2	857	664	0.07%	0.006%
47	7.662	2034	2044	2068	rVB2	71491	128349	12.69%	1.235%
48	7.801	2085	2087	2089	rBV2	448	253	0.03%	0.002%
49	7.981	2137	2143	2150	rBV3	3894	6344	0.63%	0.061%
50	8.132	2180	2190	2219	rBV	124643	234381	23.18%	2.255%
51	8.360	2258	2261	2262	rBV2	615	284	0.03%	0.003%
52	8.386	2267	2269	2271	rBV3	726	431	0.04%	0.004%
53	8.453	2288	2290	2294	rBV	437	309	0.03%	0.003%
54	8.604	2333	2337	2339	rBV2	459	326	0.03%	0.003%
55	8.685	2360	2362	2364	rBV2	556	294	0.03%	0.003%
56	8.701	2364	2367	2369	rBV2	617	436	0.04%	0.004%
57	8.897	2414	2428	2452	rBV	484220	841676	83.22%	8.098%
58	9.058	2473	2478	2486	rVB8	3514	5070	0.50%	0.049%
59	9.186	2508	2518	2525	rVV7	3654	6320	0.62%	0.061%
60	9.257	2534	2540	2541	rBV2	901	713	0.07%	0.007%
61	9.334	2561	2564	2566	rBV2	622	331	0.03%	0.003%
62	9.495	2611	2614	2618	rVB3	434	294	0.03%	0.003%
63	9.588	2637	2643	2644	rBV3	3828	3069	0.30%	0.030%
64	9.685	2670	2673	2675	rBV3	710	484	0.05%	0.005%
65	9.894	2735	2738	2741	rBV	633	323	0.03%	0.003%
66	9.948	2749	2755	2757	rBV4	1742	1959	0.19%	0.019%
67	10.080	2793	2796	2799	rBV	448	253	0.03%	0.002%
68	10.112	2801	2806	2807	rBV3	316	281	0.03%	0.003%
69	10.151	2815	2818	2822	rBV2	617	539	0.05%	0.005%
70	10.174	2822	2825	2830	rBV3	793	605	0.06%	0.006%
71	10.260	2841	2852	2866	rBV	212993	339343	33.55%	3.265%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010394.D
Acq On : 19 Apr 2019 20:27
Operator : SY/MD
Sample : K2456-09
Misc : 5.01G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHP7

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\SOM2VLM041819S.M
Title : VOC Analysis

72	10.424	2888	2903	2915	rBV4	12489	21540	2.13%	0.207%
73	10.502	2920	2927	2932	rVB4	807	1072	0.11%	0.010%
74	10.743	2999	3002	3007	rBV3	409	282	0.03%	0.003%
75	10.772	3008	3011	3014	rBV2	948	545	0.05%	0.005%
76	10.791	3014	3017	3018	rBV	661	319	0.03%	0.003%
77	10.958	3061	3069	3079	rBV5	4764	7725	0.76%	0.074%
78	11.084	3100	3108	3111	rBV5	1707	1954	0.19%	0.019%
79	11.196	3135	3143	3146	rBV7	3248	4333	0.43%	0.042%
80	11.296	3162	3174	3192	rBV	553893	887328	87.74%	8.537%
81	11.415	3209	3211	3212	rBV2	532	285	0.03%	0.003%
82	11.582	3257	3263	3271	rVB6	5215	8019	0.79%	0.077%
83	11.672	3279	3291	3310	rBV	491890	787380	77.86%	7.575%
84	11.788	3323	3327	3328	rBV3	2906	1625	0.16%	0.016%
85	11.884	3351	3357	3364	rBV6	2229	3189	0.32%	0.031%
86	12.119	3425	3430	3434	rBV5	1131	1246	0.12%	0.012%
87	12.241	3463	3468	3476	rVB8	4591	6146	0.61%	0.059%
88	12.299	3477	3486	3495	rVB	10222	15494	1.53%	0.149%
89	12.402	3512	3518	3526	rVB7	1403	2005	0.20%	0.019%
90	12.460	3531	3536	3543	rVV7	1840	2737	0.27%	0.026%
91	12.691	3604	3608	3609	rBV3	3298	2209	0.22%	0.021%
92	12.993	3696	3702	3712	rVB3	9943	13786	1.36%	0.133%
93	13.106	3726	3737	3751	rVB6	13977	25120	2.48%	0.242%
94	13.553	3865	3876	3887	rBV	207518	328794	32.51%	3.163%
95	13.794	3944	3951	3962	rVB4	18048	26282	2.60%	0.253%
96	14.151	4053	4062	4068	rBV7	8019	13257	1.31%	0.128%
97	14.681	4217	4227	4243	rVB	673871	1011328	100.00%	9.730%
98	14.868	4274	4285	4304	rVB	383567	608897	60.21%	5.858%
99	15.717	4539	4549	4562	rBV	305020	507419	50.17%	4.882%
100	15.861	4586	4594	4601	rBV2	256216	394201	38.98%	3.793%

Sum of corrected areas: 10393905

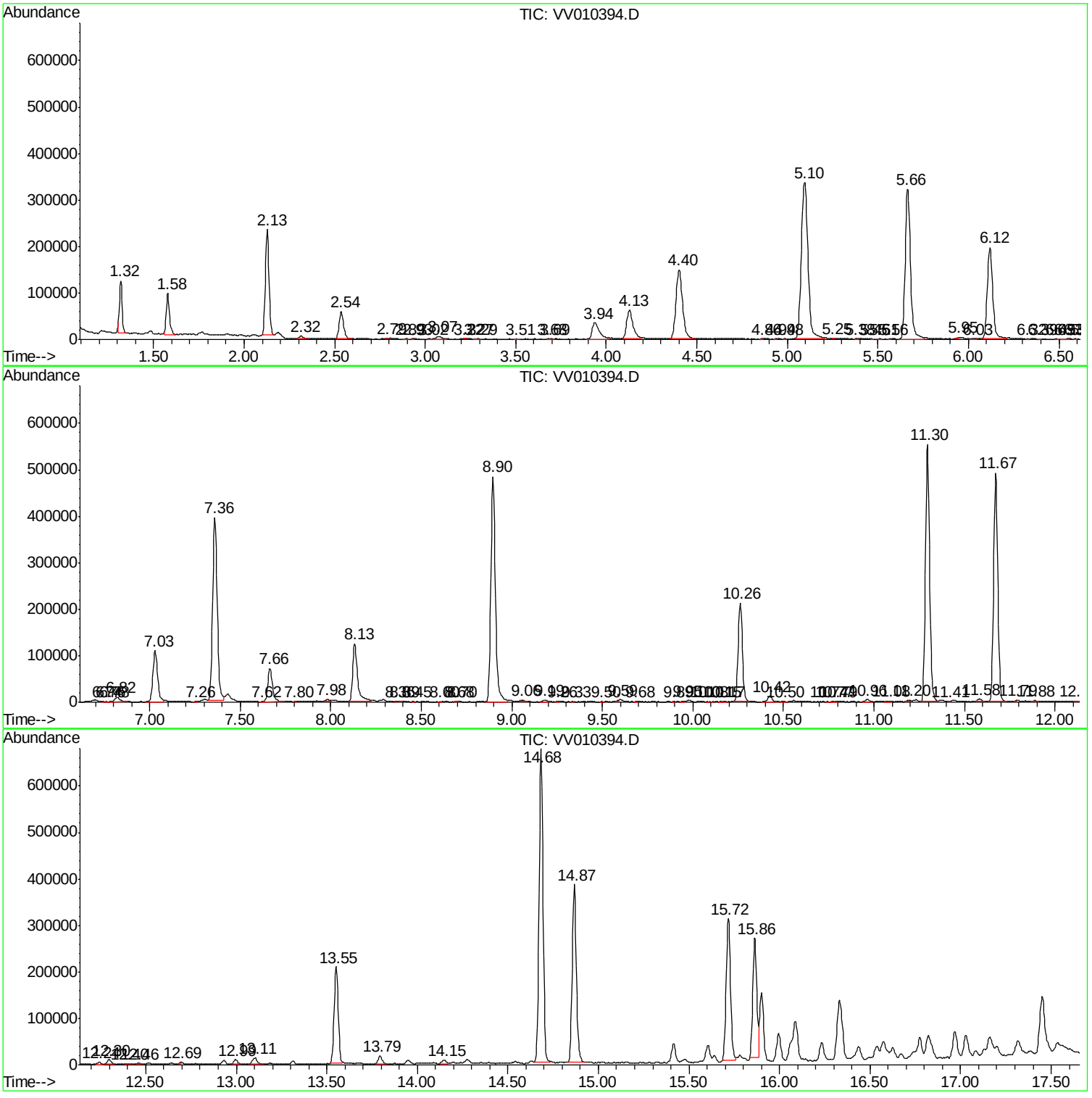
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010394.D
Acq On : 19 Apr 2019 20:27
Operator : SY/MD
Sample : K2456-09
Misc : 5.01G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHP7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010394.D
Acq On : 19 Apr 2019 20:27
Operator : SY/MD
Sample : K2456-09
Misc : 5.01G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHP7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

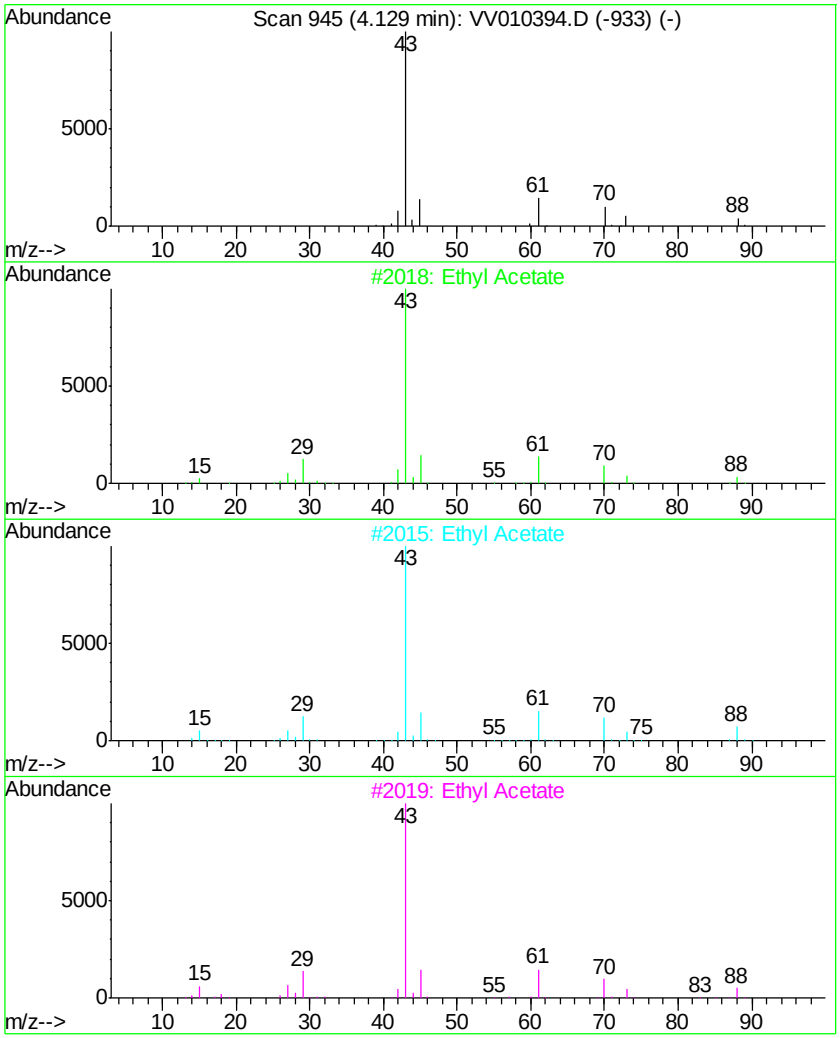
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

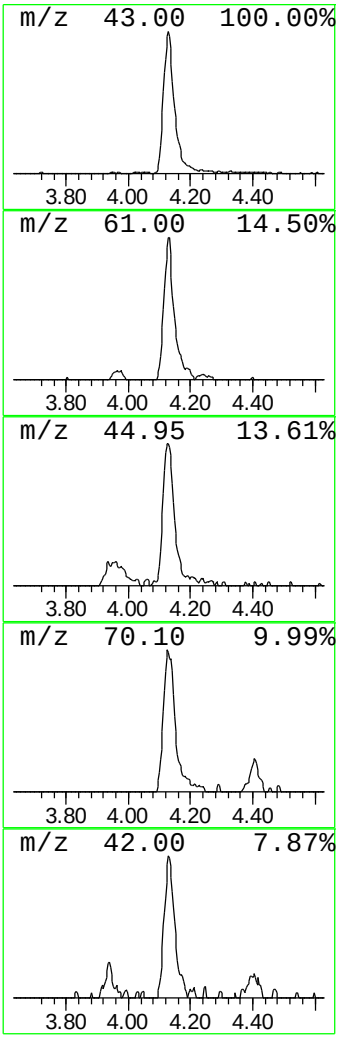
****

Peak Number 1 Ethyl Acetate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.13	5.47 ug/L	143912	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	86
2	Ethyl Acetate	88	C4H8O2	000141-78-6	86
3	Ethyl Acetate	88	C4H8O2	000141-78-6	86
4	Ethyl Acetate	88	C4H8O2	000141-78-6	86
5	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010394.D
Acq On : 19 Apr 2019 20:27
Operator : SY/MD
Sample : K2456-09
Misc : 5.01G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHP7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

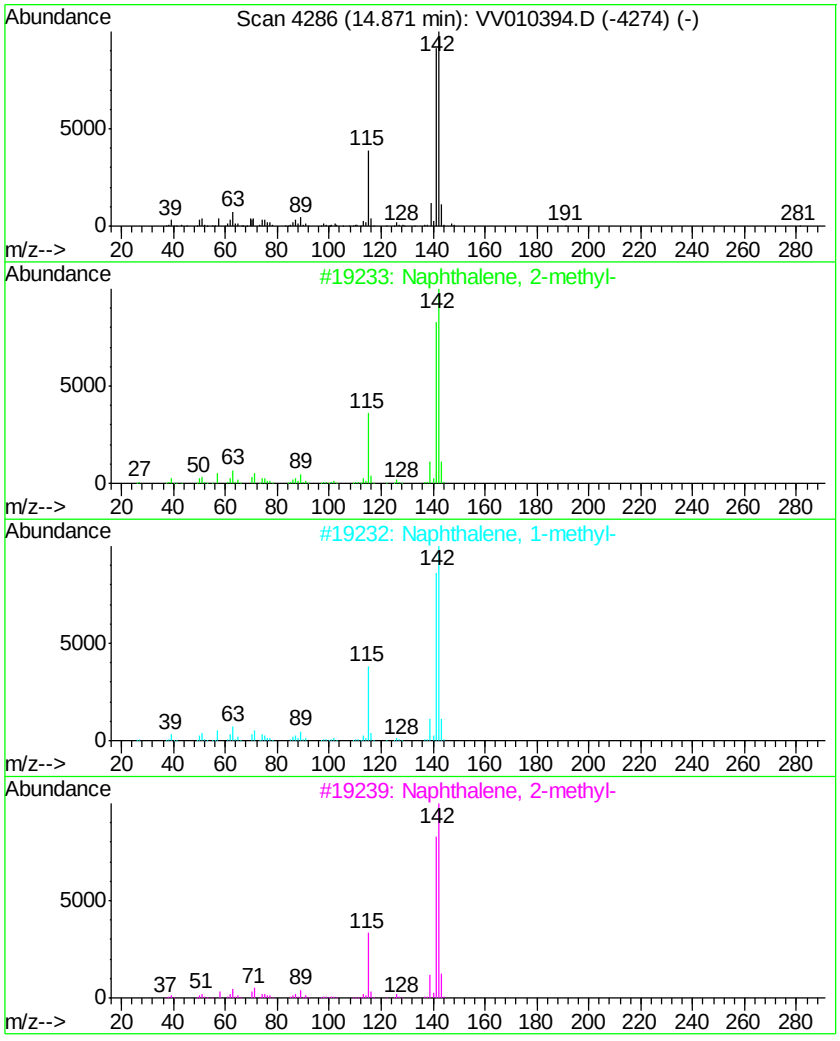
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

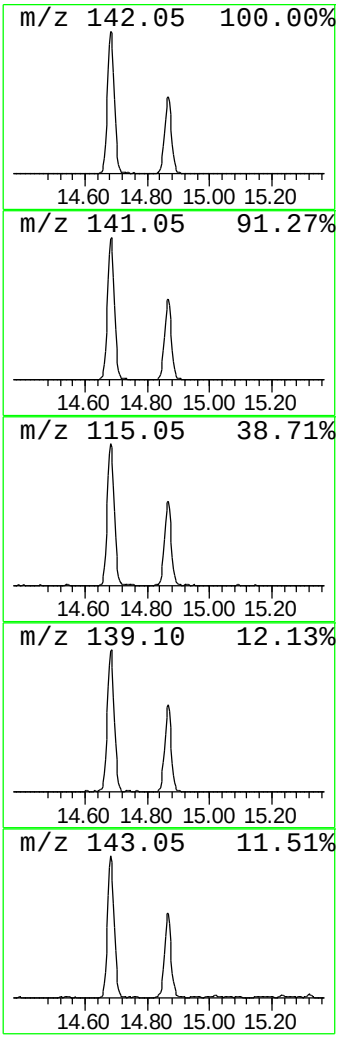
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	17.16 ug/L	608897	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010394.D
Acq On : 19 Apr 2019 20:27
Operator : SY/MD
Sample : K2456-09
Misc : 5.01G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHP7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

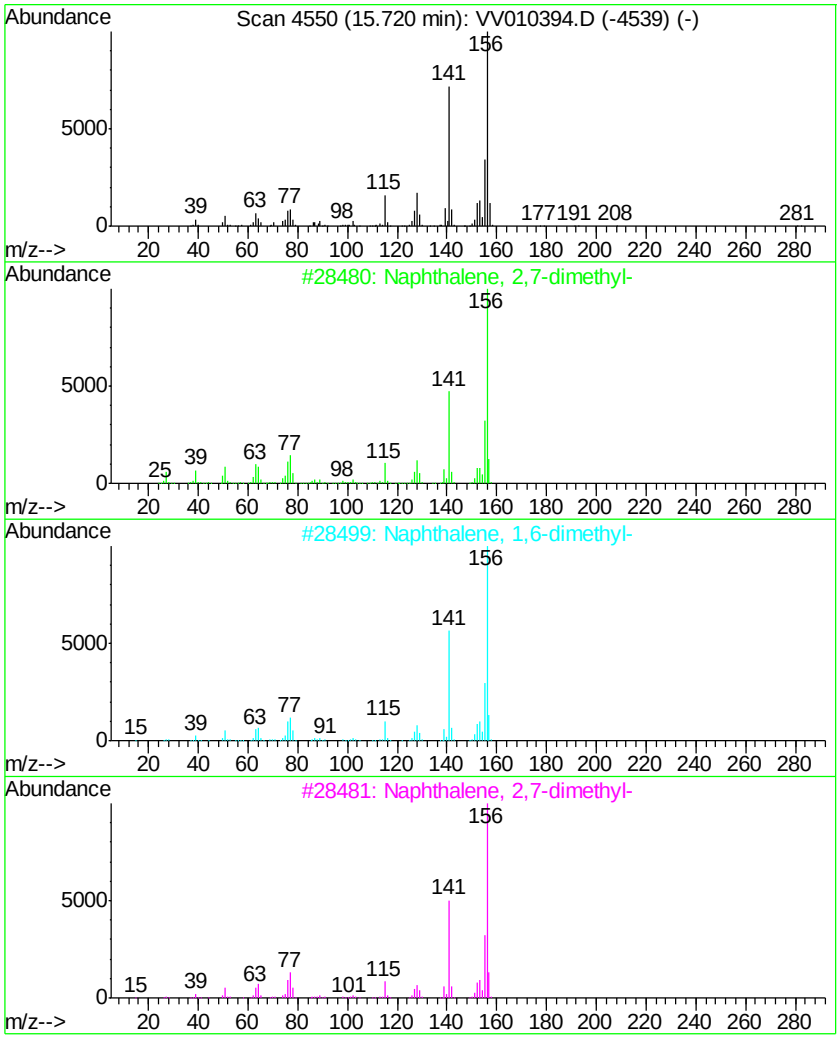
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

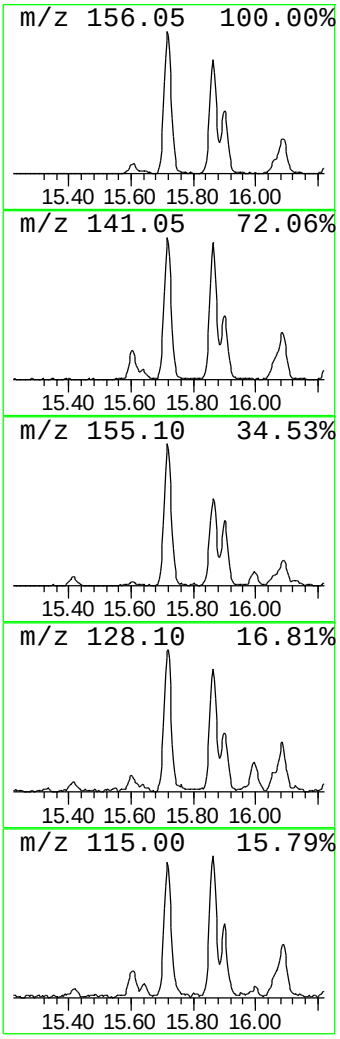
****

Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	14.30 ug/L	507419	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010394.D
Acq On : 19 Apr 2019 20:27
Operator : SY/MD
Sample : K2456-09
Misc : 5.01G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHP7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

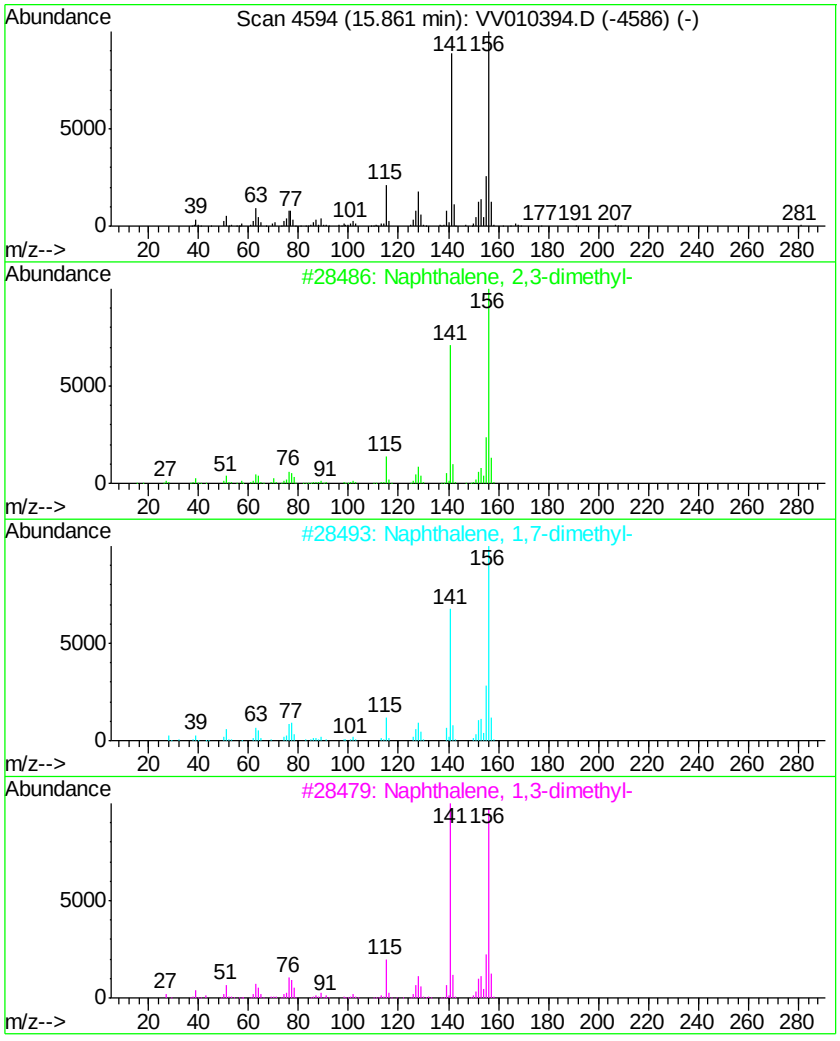
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

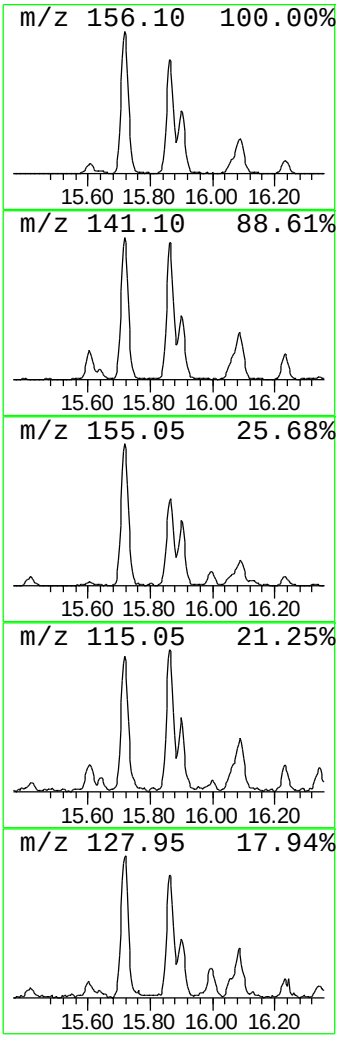
****

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	11.11 ug/L	394201	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010394.D
Acq On : 19 Apr 2019 20:27
Operator : SY/MD
Sample : K2456-09
Misc : 5.01G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHP7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.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
Ethyl Acetate	4.13	5.5	ug/L	143912	1	5.67	658104	25.0
Naphthalene, 1-me...	14.87	17.2	ug/L	608897	3	11.30	887328	25.0
Naphthalene, 2,7-...	15.72	14.3	ug/L	507419	3	11.30	887328	25.0
Naphthalene, 2,3-...	15.86	11.1	ug/L	394201	3	11.30	887328	25.0