

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
 Data File : VV010395.D
 Acq On : 19 Apr 2019 20:54
 Operator : SY/MD
 Sample : K2456-11
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHP9

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\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	66	71	79	rVB	132341	129392	7.07%	0.872%
2	1.579	146	152	165	rVB	110230	131922	7.21%	0.890%
3	2.126	313	322	334	rBV	264248	366753	20.04%	2.473%
4	2.312	366	380	392	rBV3	7432	14247	0.78%	0.096%
5	2.360	392	395	402	rVB5	1344	1457	0.08%	0.010%
6	2.402	402	408	411	rBV6	1161	1264	0.07%	0.009%
7	2.534	437	449	466	rBV	69093	117116	6.40%	0.790%
8	2.663	484	489	492	rBV3	822	856	0.05%	0.006%
9	2.733	506	511	512	rBV	463	375	0.02%	0.003%
10	2.798	522	531	539	rBV6	2942	6227	0.34%	0.042%
11	2.920	567	569	574	rBV	647	635	0.03%	0.004%
12	2.955	577	580	581	rBV2	607	319	0.02%	0.002%
13	3.074	609	617	627	rVB5	4672	8640	0.47%	0.058%
14	3.151	636	641	643	rBV2	644	722	0.04%	0.005%
15	3.225	660	664	667	rBV4	819	727	0.04%	0.005%
16	3.364	704	707	711	rVB2	914	542	0.03%	0.004%
17	3.515	751	754	758	rBV3	507	374	0.02%	0.003%
18	3.566	766	770	774	rBV3	481	428	0.02%	0.003%
19	3.701	809	812	815	rVB3	802	484	0.03%	0.003%
20	3.782	834	837	840	rVB2	635	362	0.02%	0.002%
21	3.801	840	843	849	rBV4	624	614	0.03%	0.004%
22	3.888	866	870	872	rBV	512	339	0.02%	0.002%
23	3.936	873	885	904	rBV	28161	74334	4.06%	0.501%
24	4.129	933	945	966	rBV3	37792	93643	5.12%	0.631%
25	4.399	1011	1029	1054	rBV	175949	442848	24.20%	2.986%
26	4.618	1095	1097	1099	rBV	819	340	0.02%	0.002%
27	4.634	1100	1102	1105	rVV3	753	404	0.02%	0.003%
28	4.836	1162	1165	1168	rBV	550	462	0.03%	0.003%
29	5.007	1216	1218	1222	rVB	731	334	0.02%	0.002%
30	5.026	1222	1224	1227	rBV2	414	313	0.02%	0.002%
31	5.093	1227	1245	1270	rBV2	391774	983514	53.75%	6.632%
32	5.325	1314	1317	1319	rVB2	688	311	0.02%	0.002%
33	5.364	1327	1329	1332	rVB4	558	316	0.02%	0.002%
34	5.405	1338	1342	1344	rBV2	755	594	0.03%	0.004%

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 Title : VOC Analysis

35	5.508	1372	1374	1377	rVV2	619	297	0.02%	0.002%
36	5.582	1394	1397	1401	rVB3	616	463	0.03%	0.003%
37	5.663	1406	1422	1459	rBV	388003	792157	43.29%	5.341%
38	6.036	1533	1538	1541	rBV2	912	650	0.04%	0.004%
39	6.119	1549	1564	1591	rBV2	227070	467332	25.54%	3.151%
40	6.341	1626	1633	1634	rBV2	922	861	0.05%	0.006%
41	6.444	1660	1665	1672	rBV3	737	1067	0.06%	0.007%
42	6.608	1711	1716	1718	rBV2	480	390	0.02%	0.003%
43	6.643	1720	1727	1729	rBV4	1061	1117	0.06%	0.008%
44	6.817	1775	1781	1791	rVB6	4819	9520	0.52%	0.064%
45	6.875	1797	1799	1803	rVB3	496	350	0.02%	0.002%
46	6.933	1813	1817	1822	rVB5	761	644	0.04%	0.004%
47	7.029	1835	1847	1873	rBV	120299	224024	12.24%	1.511%
48	7.360	1937	1950	1966	rBV	468532	835914	45.69%	5.636%
49	7.662	2033	2044	2069	rBV2	75667	136954	7.48%	0.923%
50	7.881	2109	2112	2115	rBV4	1900	1427	0.08%	0.010%
51	8.132	2180	2190	2209	rBV	95583	178156	9.74%	1.201%
52	8.482	2297	2299	2304	rBV4	765	493	0.03%	0.003%
53	8.698	2362	2366	2369	rBV	819	747	0.04%	0.005%
54	8.752	2380	2383	2385	rBV2	530	348	0.02%	0.002%
55	8.894	2415	2427	2457	rBV	564045	988235	54.01%	6.663%
56	9.058	2471	2478	2486	rBV5	4116	6351	0.35%	0.043%
57	9.183	2510	2517	2529	rVB2	4787	7865	0.43%	0.053%
58	9.267	2540	2543	2545	rBV2	655	375	0.02%	0.003%
59	9.357	2568	2571	2573	rBV3	517	331	0.02%	0.002%
60	9.428	2583	2593	2594	rBV2	443	663	0.04%	0.004%
61	9.595	2634	2645	2646	rBV5	5227	6691	0.37%	0.045%
62	9.678	2668	2671	2673	rBV2	462	345	0.02%	0.002%
63	9.736	2687	2689	2692	rBV	390	297	0.02%	0.002%
64	9.904	2739	2741	2745	rVB2	606	309	0.02%	0.002%
65	9.929	2745	2749	2751	rBV	496	334	0.02%	0.002%
66	9.949	2751	2755	2757	rBV2	1157	885	0.05%	0.006%
67	10.119	2804	2808	2810	rBV	597	472	0.03%	0.003%
68	10.260	2840	2852	2867	rBV2	194171	307972	16.83%	2.077%
69	10.354	2879	2881	2885	rBV3	468	315	0.02%	0.002%
70	10.386	2889	2891	2894	rVV	874	457	0.02%	0.003%
71	10.428	2894	2904	2917	rVB4	11389	20254	1.11%	0.137%

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72	10.482	2919	2921	2924	rBV3	483	326	0.02%	0.002%
73	10.701	2987	2989	2991	rBV	500	332	0.02%	0.002%
74	10.849	3032	3035	3042	rVV3	644	722	0.04%	0.005%
75	10.961	3066	3070	3076	rVB7	2925	3520	0.19%	0.024%
76	11.032	3085	3092	3095	rBV4	1660	1811	0.10%	0.012%
77	11.080	3100	3107	3114	rBV2	1108	1710	0.09%	0.012%
78	11.199	3134	3144	3146	rBV4	2414	3914	0.21%	0.026%
79	11.296	3162	3174	3191	rBV	624537	997386	54.51%	6.725%
80	11.508	3236	3240	3243	rBV3	481	448	0.02%	0.003%
81	11.579	3256	3262	3271	rBV4	6034	8029	0.44%	0.054%
82	11.672	3279	3291	3309	rBV	538627	860156	47.01%	5.800%
83	11.781	3322	3325	3326	rBV2	1144	713	0.04%	0.005%
84	11.945	3373	3376	3377	rBV2	1156	695	0.04%	0.005%
85	12.022	3397	3400	3402	rBV2	943	539	0.03%	0.004%
86	12.167	3441	3445	3449	rBV5	1256	797	0.04%	0.005%
87	12.241	3460	3468	3477	rVB3	17364	25794	1.41%	0.174%
88	12.296	3478	3485	3500	rVB3	11514	19573	1.07%	0.132%
89	12.363	3501	3506	3510	rBV6	1878	2162	0.12%	0.015%
90	12.460	3528	3536	3544	rBV2	11370	15489	0.85%	0.104%
91	12.514	3546	3553	3565	rVB	23927	36860	2.01%	0.249%
92	12.637	3584	3591	3603	rBV8	12458	26365	1.44%	0.178%
93	12.836	3648	3653	3655	rBV4	2278	2083	0.11%	0.014%
94	12.929	3664	3682	3691	rBV2	51347	90286	4.93%	0.609%
95	14.681	4217	4227	4242	rVB	815471	1231946	67.33%	8.307%
96	14.865	4275	4284	4299	rVB	778220	1208099	66.03%	8.146%
97	15.717	4538	4549	4576	rBV	1076935	1829727	100.00%	12.337%
98	15.861	4585	4594	4601	rBV	1040049	1570992	85.86%	10.593%
99	16.064	4649	4657	4659	rBV	144905	186317	10.18%	1.256%
100	16.328	4732	4739	4754	rVB2	175062	327707	17.91%	2.210%

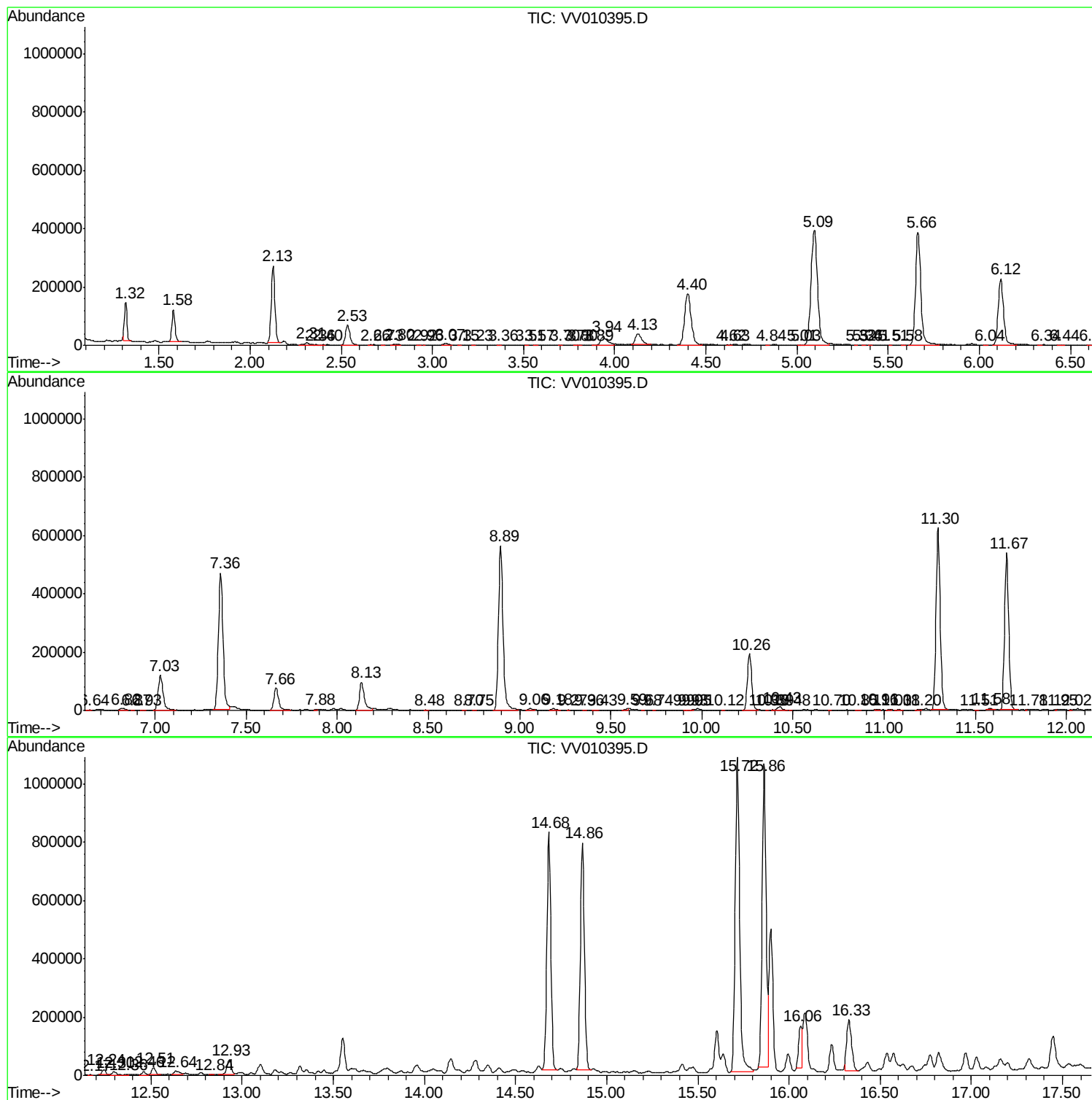
Sum of corrected areas: 14830768

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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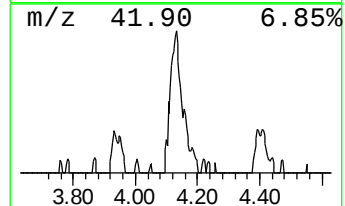
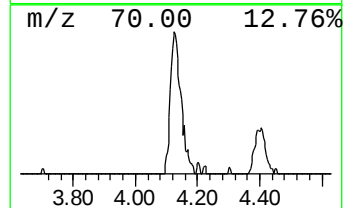
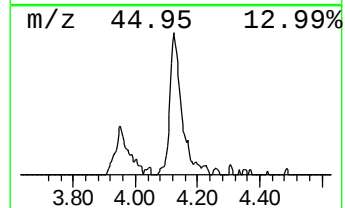
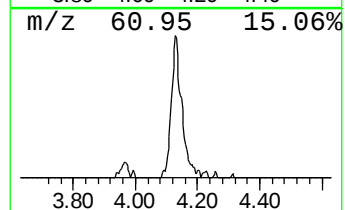
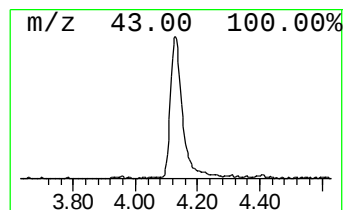
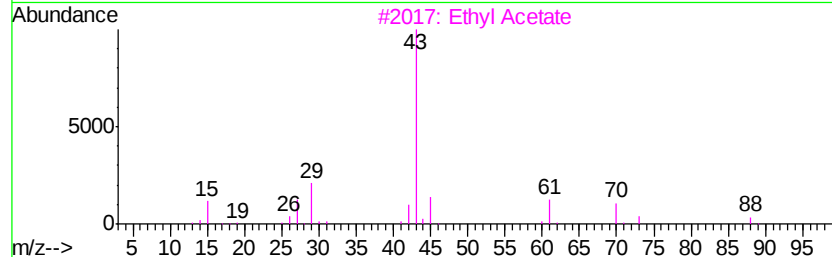
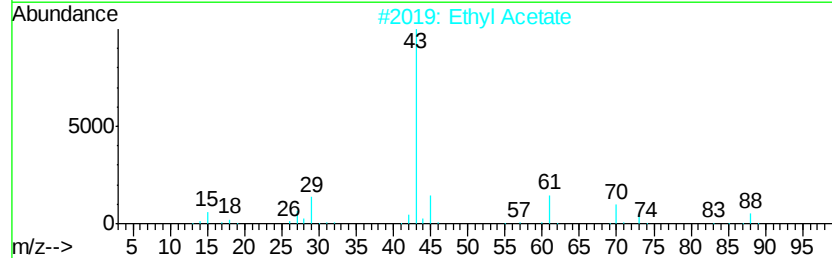
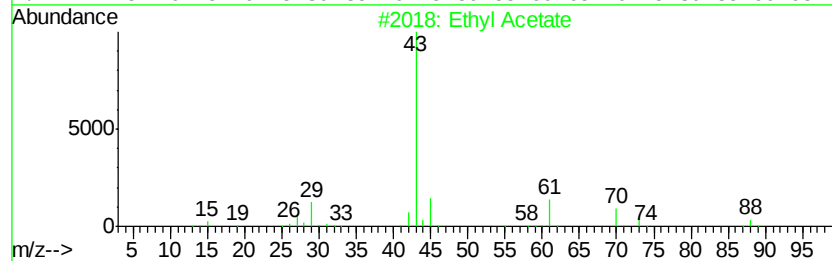
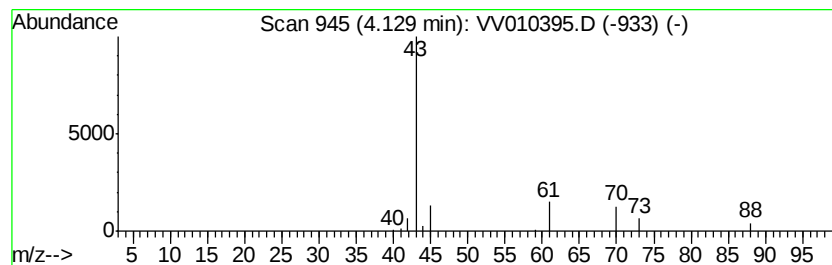
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

Peak Number 1 Ethyl Acetate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.13	2.96 ug/L	93643	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2		Ethyl Acetate	88	C4H8O2	000141-78-6	90
3		Ethyl Acetate	88	C4H8O2	000141-78-6	90
4		Ethyl Acetate	88	C4H8O2	000141-78-6	83
5		CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	45



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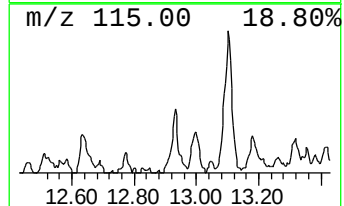
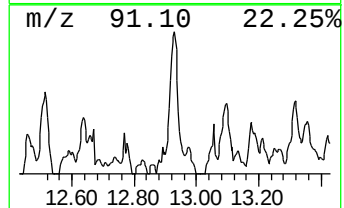
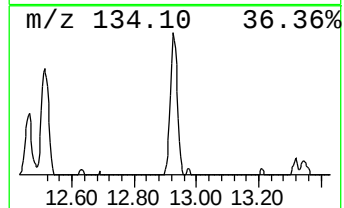
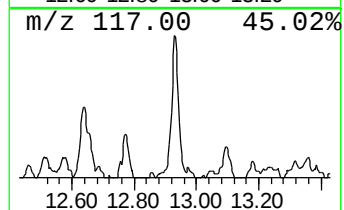
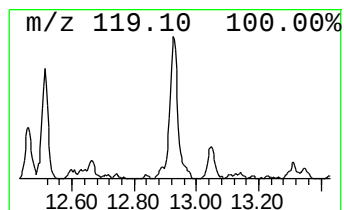
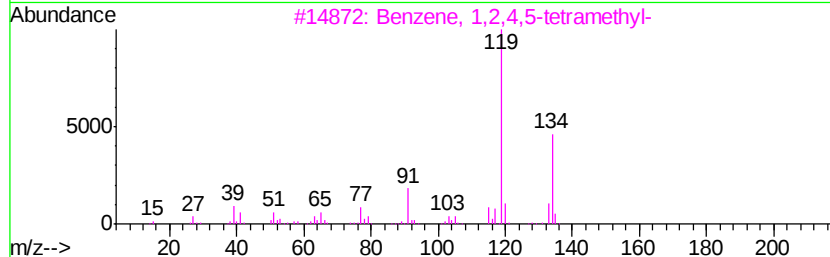
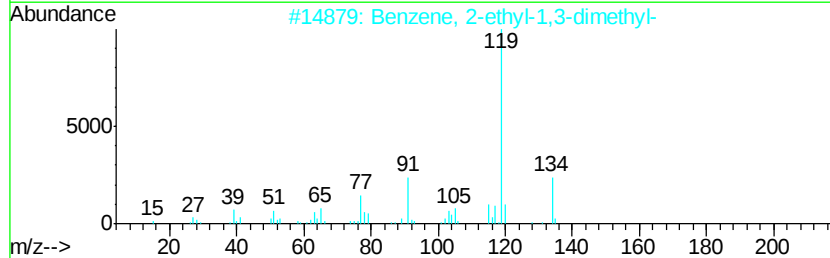
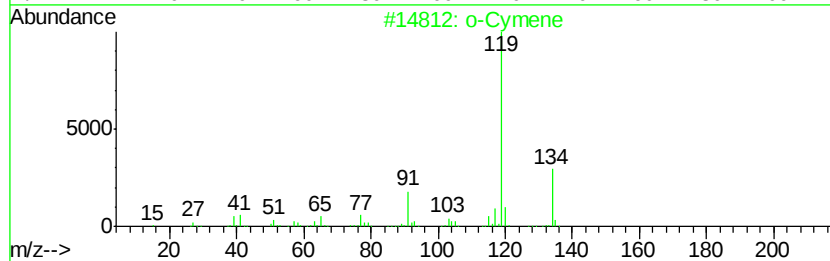
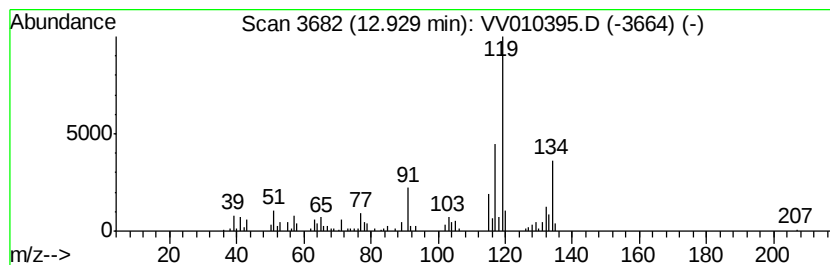
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

Peak Number 3 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	2.26 ug/L	90286	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	64
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64



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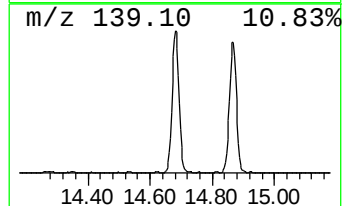
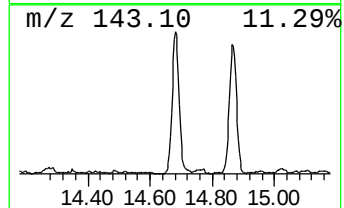
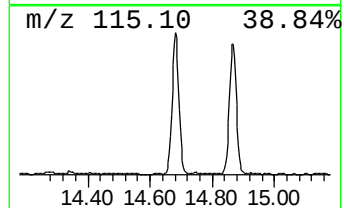
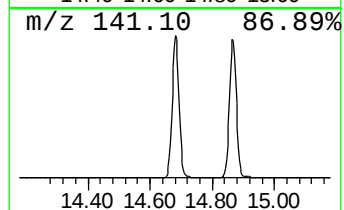
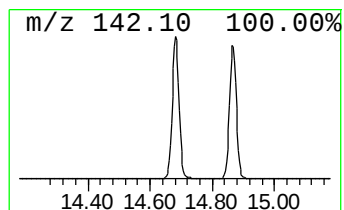
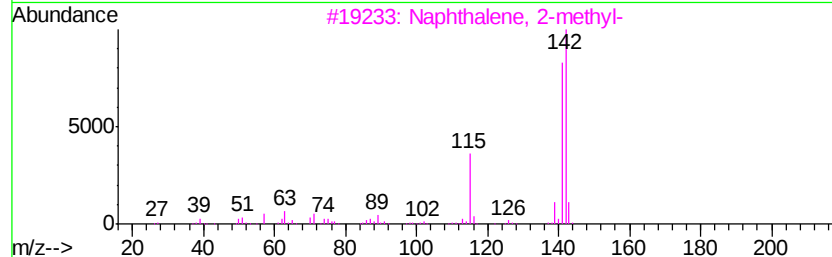
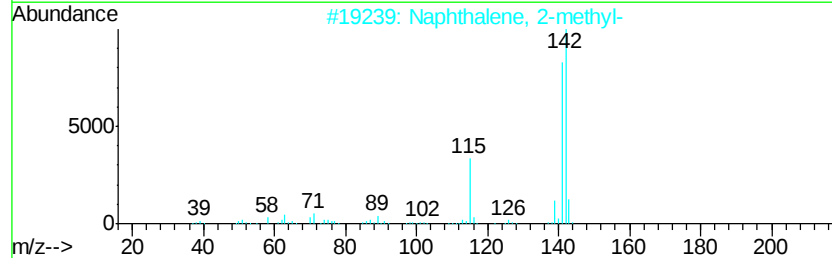
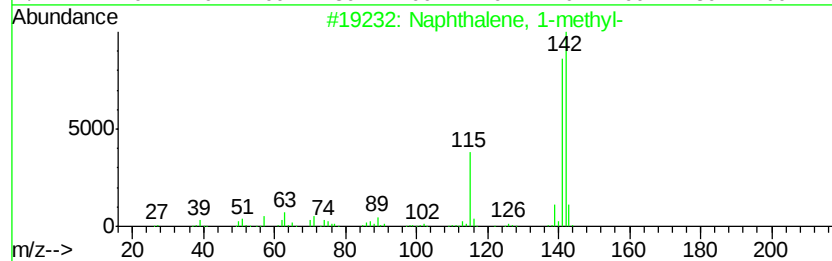
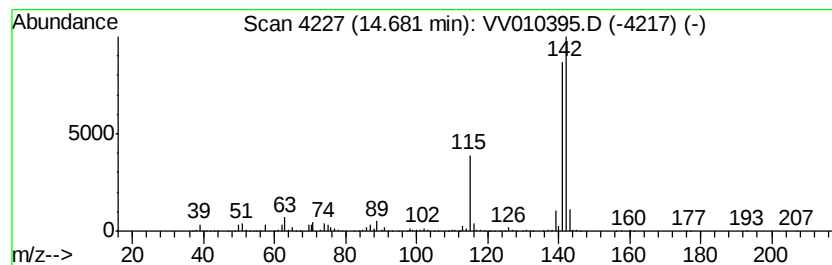
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	30.88 ug/L	1231950	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	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	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\
Data File : VV010395.D
Acq On : 19 Apr 2019 20:54
Operator : SY/MD
Sample : K2456-11
Misc : 5.00G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP9

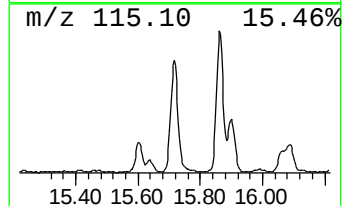
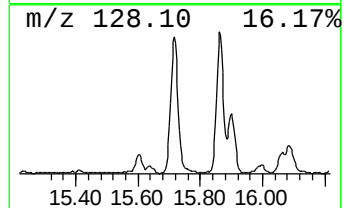
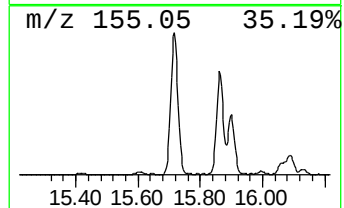
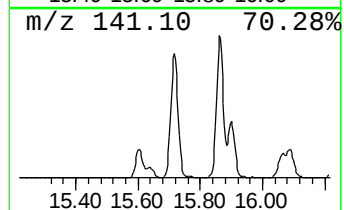
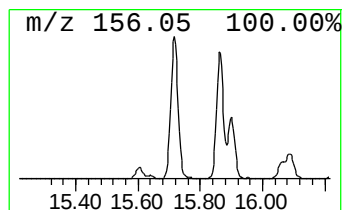
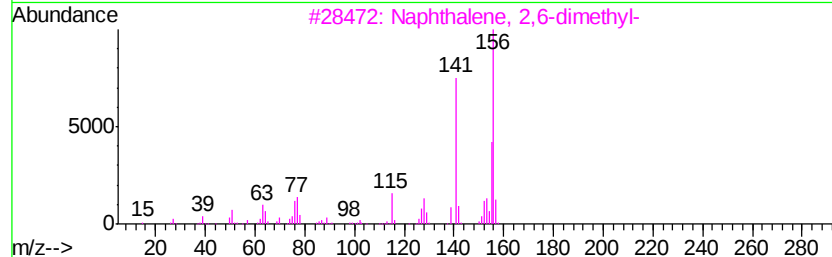
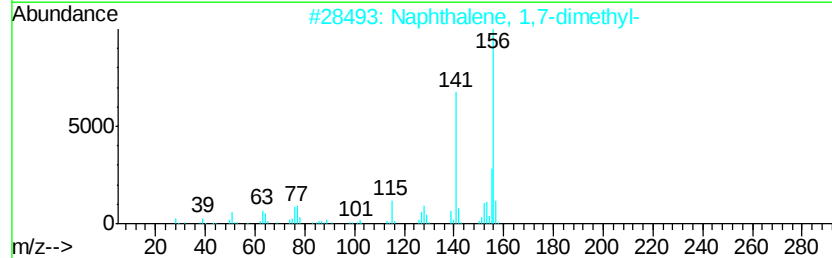
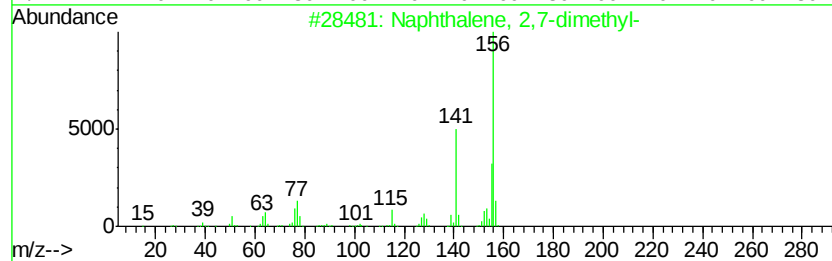
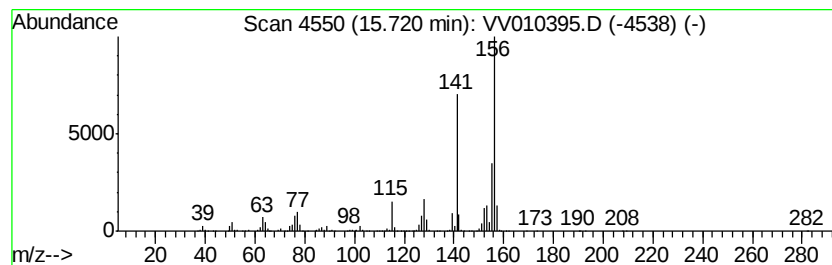
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Quant Title : VOC Analysis

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

Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	45.86 ug/L	1829730	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
Data File : VV010395.D
Acq On : 19 Apr 2019 20:54
Operator : SY/MD
Sample : K2456-11
Misc : 5.00G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

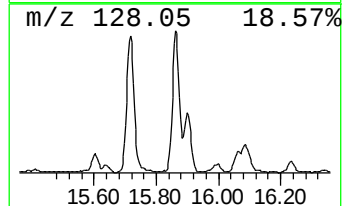
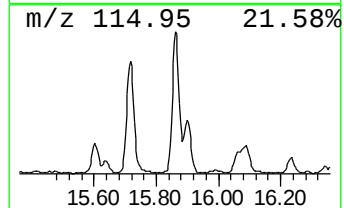
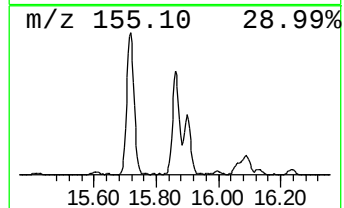
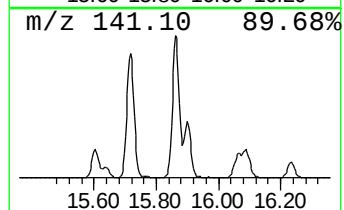
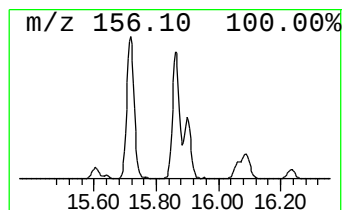
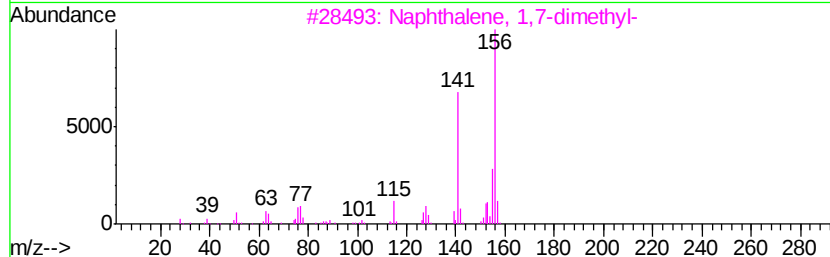
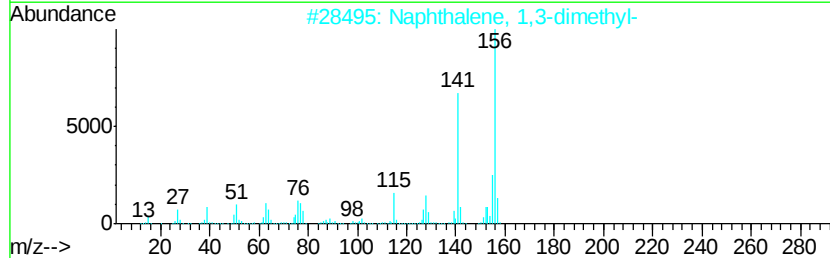
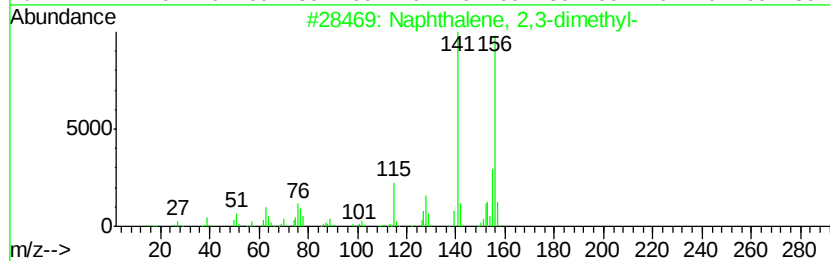
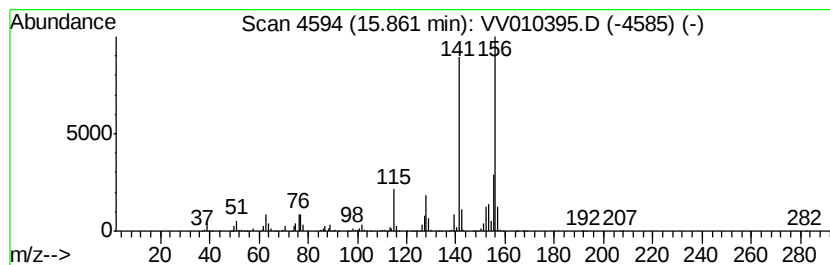
Instrument :
MSVOA_V
ClientSampleId :
GAHP9

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 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	39.38 ug/L	1570990	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 97
2		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
3		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
4		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
5		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 96



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\
Data File : VV010395.D
Acq On : 19 Apr 2019 20:54
Operator : SY/MD
Sample : K2456-11
Misc : 5.00G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

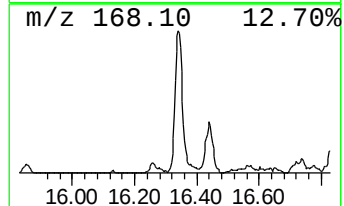
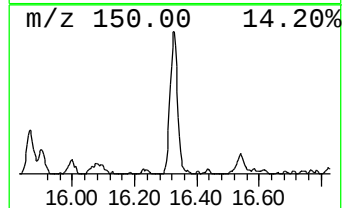
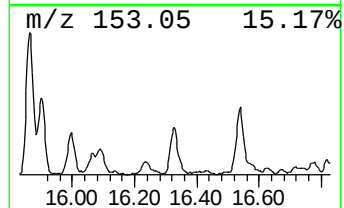
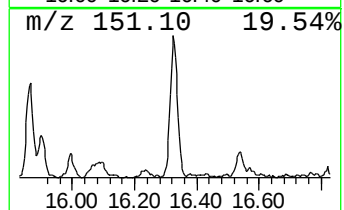
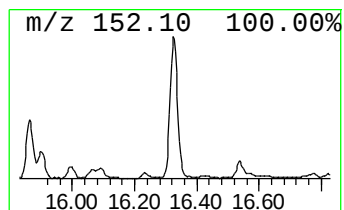
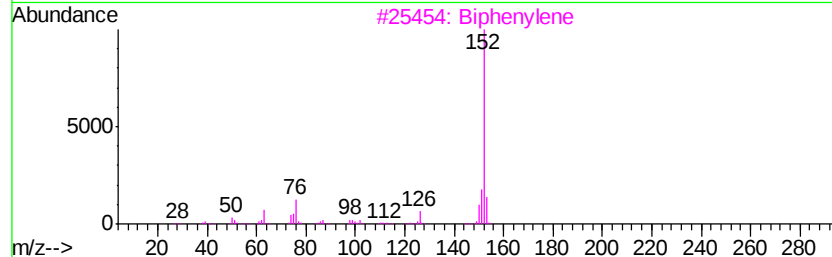
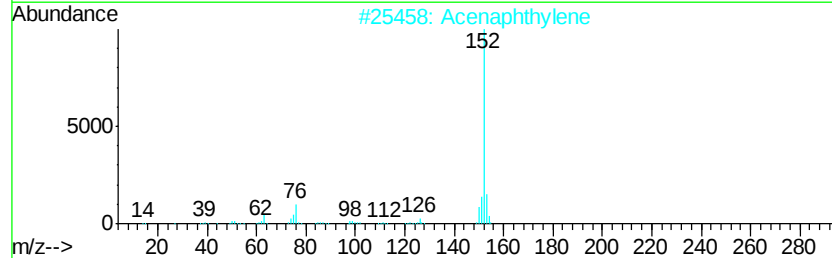
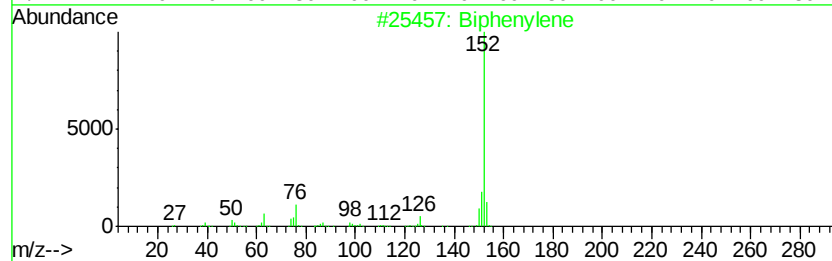
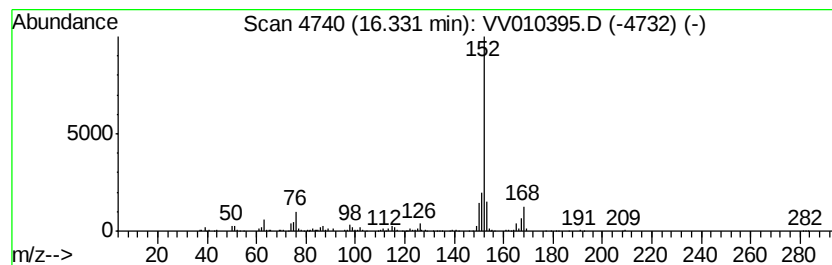
Instrument :
MSVOA_V
ClientSampleId :
GAHP9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

Peak Number 9 Biphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.33	8.21 ug/L	327707	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	91
2	Acenaphthylene	152	C12H8	000208-96-8	90
3	Biphenylene	152	C12H8	000259-79-0	83
4	Acenaphthylene	152	C12H8	000208-96-8	81
5	Acenaphthylene	152	C12H8	000208-96-8	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010395.D
Acq On : 19 Apr 2019 20:54
Operator : SY/MD
Sample : K2456-11
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP9

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Ethyl Acetate	4.13	3.0	ug/L	93643	1	5.66	792157	25.0
o-Cymene	12.93	2.3	ug/L	90286	3	11.30	997386	25.0
Naphthalene, 1-me...	14.68	30.9	ug/L	1231950	3	11.30	997386	25.0
Naphthalene, 2,7-...	15.72	45.9	ug/L	1829730	3	11.30	997386	25.0
Naphthalene, 2,3-...	15.86	39.4	ug/L	1570990	3	11.30	997386	25.0
Biphenylene	16.33	8.2	ug/L	327707	3	11.30	997386	25.0