LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV042219\
Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

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\SOM2VLM042219S.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	1.312	65	69	76	rVB	63050	59016	0.09%	0.035%
2	1.569	144	149	162	rVB	58090	70741	0.10%	0.043%
3	2.122	312	321	332	rVB	125476	182969	0.27%	0.110%
4	2.531	437	448	460	rBV2	38959	64866	0.10%	0.039%
5	2.595	466	468	470	rBV	490	231	0.00%	0.000%
6	2.981	585	588	591	rBV2	562	422	0.00%	0.000%
7	3.110	626	628	632	rBV2	386	209	0.00%	0.000%
8	3.142	636	638	642	rBV	504	270	0.00%	0.000%
9	3.167	644	646	648	rBV2	485	219	0.00%	0.000%
10	3.241	667	669	671	rBV	317	186	0.00%	0.000%
11	3.286	681	683	686	rBV2	592	337	0.00%	0.000%
12	3.360	704	706	710	rBV	272	160	0.00%	0.000%
13	3.380	710	712	717	rVV2	354	266	0.00%	0.000%
14	3.425	722	726	728	rBV	636	480	0.00%	0.000%
15	3.566	767	770	773	rVB2	394	304	0.00%	0.000%
16	3.589	775	777	781	rBV	335	173	0.00%	0.000%
17	3.608	781	783	784	rBV	318	145	0.00%	0.000%
18	3.679	803	805	809	rBV2	282	238	0.00%	0.000%
19	3.740	820	824	826	rBV2	446	355	0.00%	0.000%
20	3.810	843	846	849	rBV	405	282	0.00%	0.000%
21	3.929	872	883	903	rBV2	20482	53768	0.08%	0.032%
22	4.206	967	969	971	rBV2	417	229	0.00%	0.000%
23	4.238	976	979	980	rBV	308	131	0.00%	0.000%
24	4.299	996	998	1001	rBV	567	379	0.00%	0.000%
25	4.396	1013	1028	1050	rBV2	109347	278304	0.41%	0.167%
26	4.688	1115	1119	1123	rBV3	674	776	0.00%	0.000%
27	4.756	1138	1140	1142	rBV	370	186	0.00%	0.000%
28	4.888	1180	1181	1184	rVB2	728	341	0.00%	0.000%
29	4.907	1184	1187	1188	rBV	644	285	0.00%	0.000%
30	5.090	1227	1244	1264	rBV4	248337	625909	0.93%	0.376%
31	5.444	1351	1354	1358	rVB3	726	501	0.00%	0.000%
32	5.473	1358	1363	1365	rBV2	587	367	0.00%	0.000%
33	5.511	1373	1375	1378	rVB2	569	285	0.00%	0.000%
34	5.537	1378	1383	1387	rVB3	467	502	0.00%	0.000%

LSC Area Percent Report

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Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

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\SOM2VLM042219S.M
Title : VOC Analysis

35	5.569	1391	1393	1395	rBV	401	173	0.00%	0.000%
36	5.659	1408	1421	1443	rBV	260810	519305	0.77%	0.312%
37	5.949	1502	1511	1519	rVB7	2930	5180	0.01%	0.003%
38	6.013	1529	1531	1533	rBV2	488	291	0.00%	0.000%
39	6.116	1548	1563	1584	rBV	155977	319252	0.47%	0.192%
40	6.302	1615	1621	1627	rBV3	719	1009	0.00%	0.001%
41	6.392	1646	1649	1652	rBV	490	320	0.00%	0.000%
42	6.540	1692	1695	1699	rBV2	388	342	0.00%	0.000%
43	6.621	1717	1720	1723	rVB2	641	350	0.00%	0.000%
44	6.643	1723	1727	1728	rBV2	759	461	0.00%	0.000%
45	6.678	1735	1738	1740	rBV3	1370	998	0.00%	0.001%
46	6.772	1762	1767	1770	rBV2	425	440	0.00%	0.000%
47	6.807	1775	1778	1780	rBV2	502	299	0.00%	0.000%
48	6.862	1792	1795	1797	rBV2	349	219	0.00%	0.000%
49	7.026	1836	1846	1860	rBV2	70021	128345	0.19%	0.077%
50	7.174	1889	1892	1896	rBV	708	504	0.00%	0.000%
51	7.357	1937	1949	1965	rBV	267161	479792	0.71%	0.288%
52	7.540	2003	2006	2008	rBV3	715	395	0.00%	0.000%
53	7.592	2019	2022	2026	rBV2	611	443	0.00%	0.000%
54	7.662	2034	2044	2059	rBV2	47582	78261	0.12%	0.047%
55	7.797	2084	2086	2087	rBV	441	184	0.00%	0.000%
56	8.132	2179	2190	2212	rBV	69759	127044	0.19%	0.076%
57	8.322	2247	2249	2251	rBV2	522	234	0.00%	0.000%
58	8.476	2294	2297	2302	rBV2	537	490	0.00%	0.000%
59	8.543	2315	2318	2322	rBV3	607	352	0.00%	0.000%
60	8.595	2332	2334	2335	rBV	793	245	0.00%	0.000%
61	8.646	2347	2350	2352	rBV	497	364	0.00%	0.000%
62	8.836	2405	2409	2414	rVB2	621	581	0.00%	0.000%
63	8.894	2414	2427	2456	rBV	388780	667635	0.99%	0.401%
64	9.055	2468	2477	2487	rBV2	7733	11875	0.02%	0.007%
65	9.180	2502	2516	2532	rBV	75025	127379	0.19%	0.077%
66	9.402	2583	2585	2588	rBV	444	227	0.00%	0.000%
67	9.440	2592	2597	2601	rBV3	803	1030	0.00%	0.001%
68	9.601	2632	2647	2674	rBV5	125559	288761	0.43%	0.174%
69	9.858	2722	2727	2729	rBV2	809	618	0.00%	0.000%
70	10.193	2828	2831	2834	rBV	399	254	0.00%	0.000%
71	10.260	2840	2852	2863	rBV	138838	217325	0.32%	0.131%

LSC Area Percent Report

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Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

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\SOM2VLM042219S.M
Title : VOC Analysis

72	10.399	2886	2895	2899	rBV2	13823	21209	0.03%	0.013%
73	10.492	2914	2924	2939	rBV	112431	231620	0.34%	0.139%
74	10.582	2943	2952	2970	rVB	216430	332364	0.49%	0.200%
75	10.781	3004	3014	3018	rBV	68999	106023	0.16%	0.064%
76	10.887	3045	3047	3049	rBV	592	299	0.00%	0.000%
77	10.958	3049	3069	3080	rBV	1139367	1769749	2.62%	1.064%
78	11.029	3081	3091	3099	rBV	1501934	2190303	3.25%	1.316%
79	11.292	3164	3173	3190	rBV	409970	650790	0.96%	0.391%
80	11.379	3191	3200	3210	rVV	615676	932232	1.38%	0.560%
81	11.440	3211	3219	3232	rVB	254957	379395	0.56%	0.228%
82	11.575	3249	3261	3270	rBV2	368709	635010	0.94%	0.382%
83	11.675	3282	3292	3306	rVB5	427301	884493	1.31%	0.532%
84	11.791	3317	3328	3346	rBV	5507817	8164481	12.11%	4.906%
85	11.958	3370	3380	3383	rBV	153773	225464	0.33%	0.135%
86	12.035	3397	3404	3407	rBV	209179	268731	0.40%	0.161%
87	12.296	3479	3485	3497	rVB2	256161	381189	0.57%	0.229%
88	12.460	3528	3536	3544	rBV	358432	504562	0.75%	0.303%
89	12.514	3544	3553	3565	rBV2	757491	1446587	2.14%	0.869%
90	12.636	3583	3591	3603	rBV2	708151	1151584	1.71%	0.692%
91	12.929	3674	3682	3692	rVB2	1044775	1552218	2.30%	0.933%
92	12.993	3694	3702	3713	rVB	1867987	2703865	4.01%	1.625%
93	13.099	3725	3735	3752	rVB	3225637	5192043	7.70%	3.120%
94	13.559	3864	3878	3893	rBV2	37627240	67440284	100.00%	40.527%
95	14.685	4216	4228	4253	rVB	25525170	39871534	59.12%	23.960%
96	14.868	4273	4285	4299	rBV	11514111	17482933	25.92%	10.506%
97	15.411	4447	4454	4463	rBV	425845	588505	0.87%	0.354%
98	15.601	4507	4513	4520	rBV	422132	572457	0.85%	0.344%
99	15.717	4538	4549	4574	rBV	2051382	3460584	5.13%	2.080%
100	15.861	4585	4594	4601	rBV	1946819	2942515	4.36%	1.768%

Sum of corrected areas: 166407832

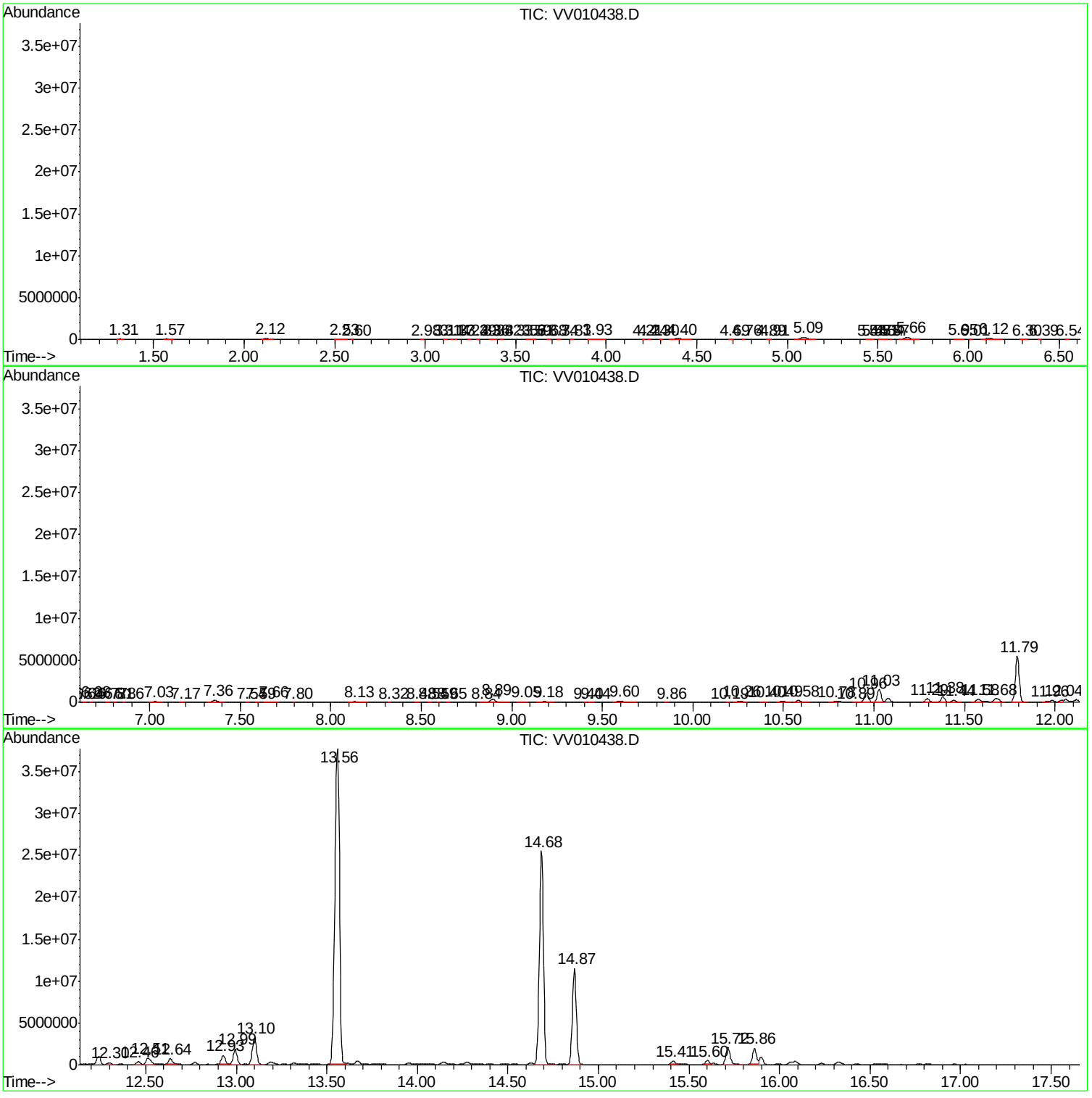
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\
Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.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\VV042219\
Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
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Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

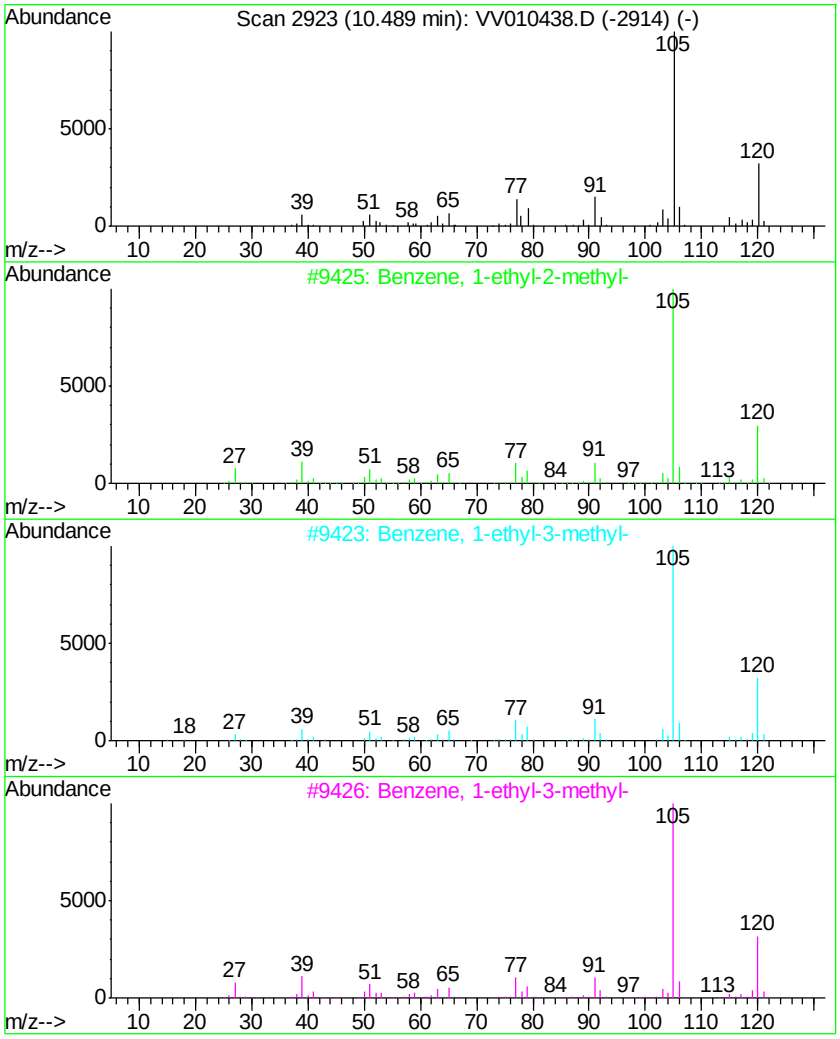
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

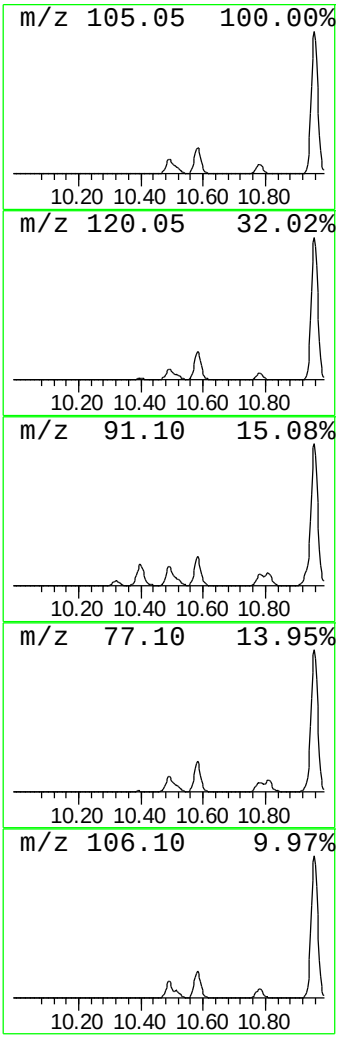
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	8.90 ug/L	231620	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\
Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

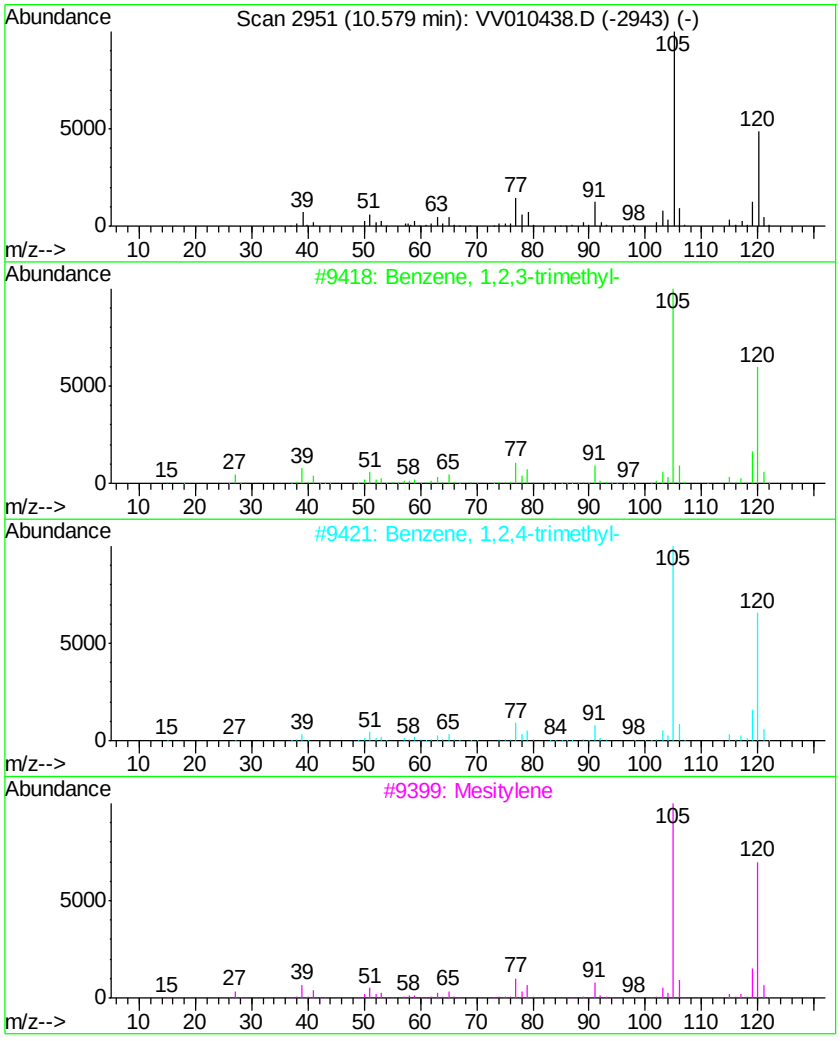
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

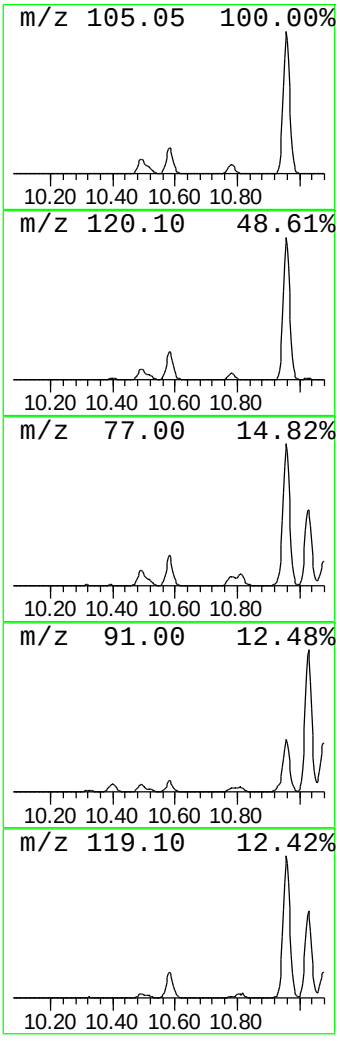
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	12.77 ug/L	332364	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\
Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
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Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

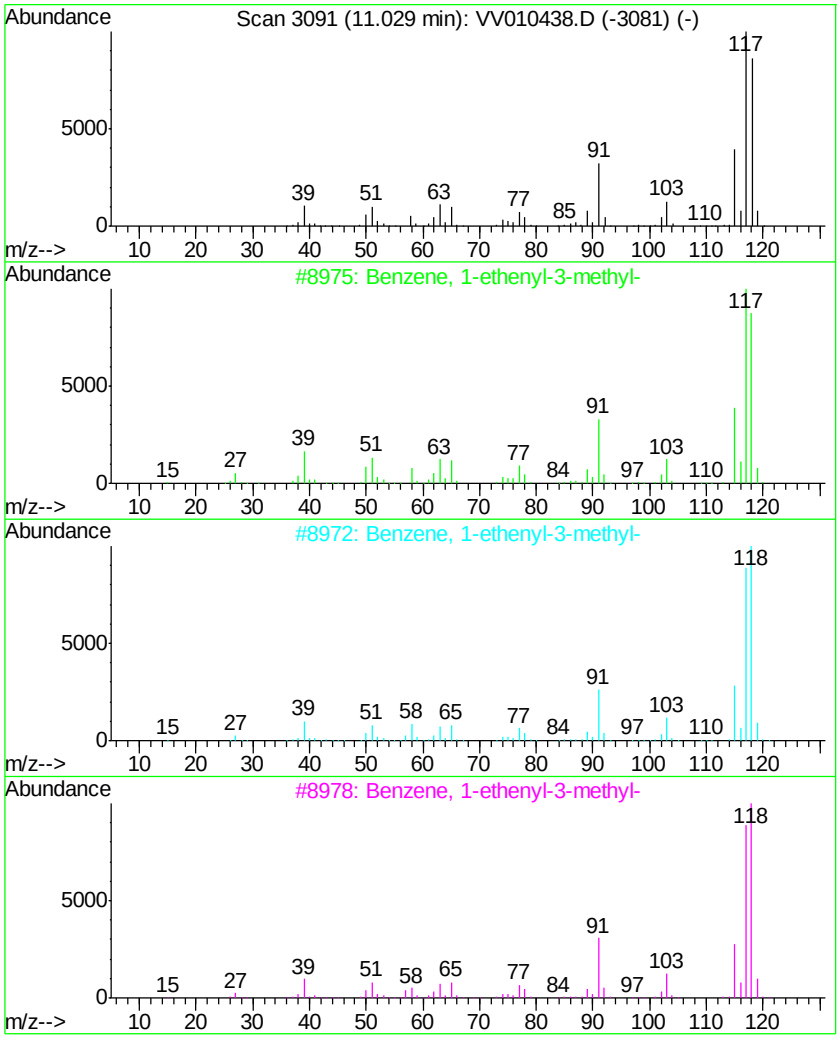
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

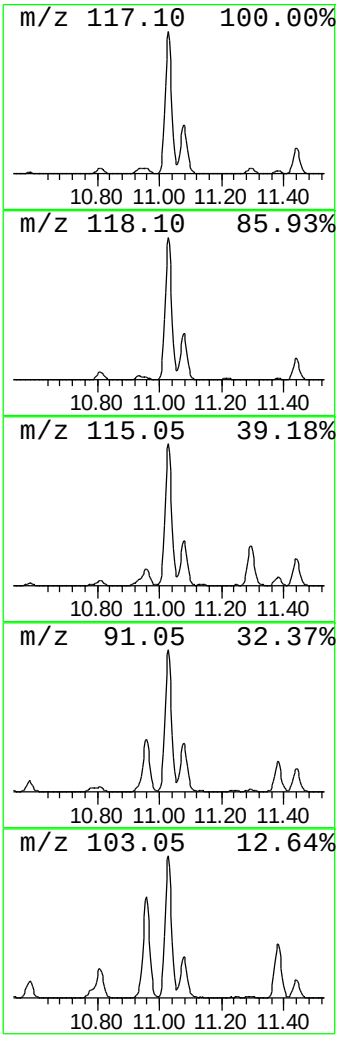
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	84.14 ug/L	2190300	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV042219\
Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

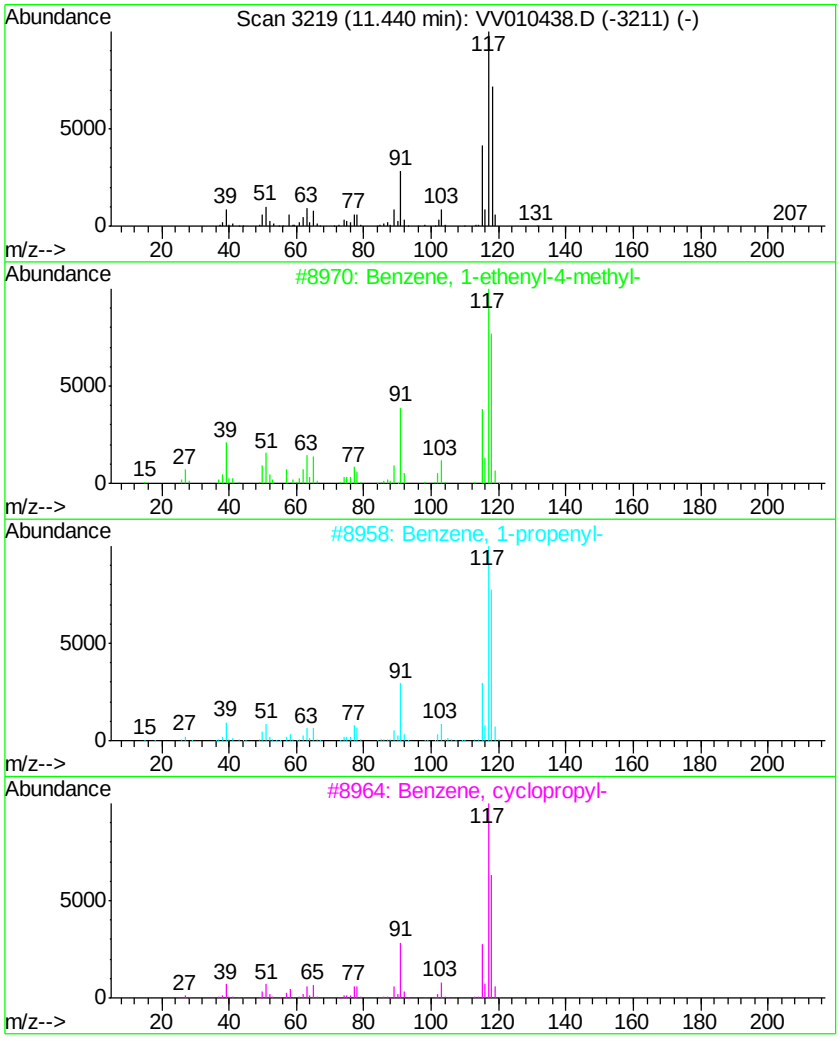
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

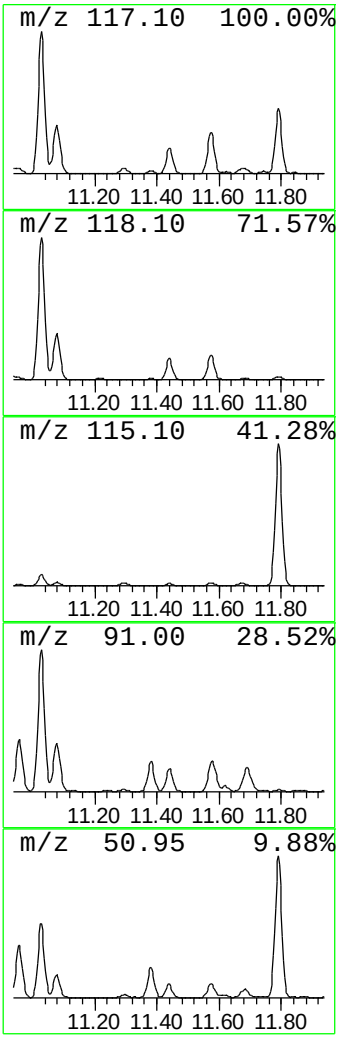
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethenyl-4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	14.57 ug/L	379395	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	95
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\
Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

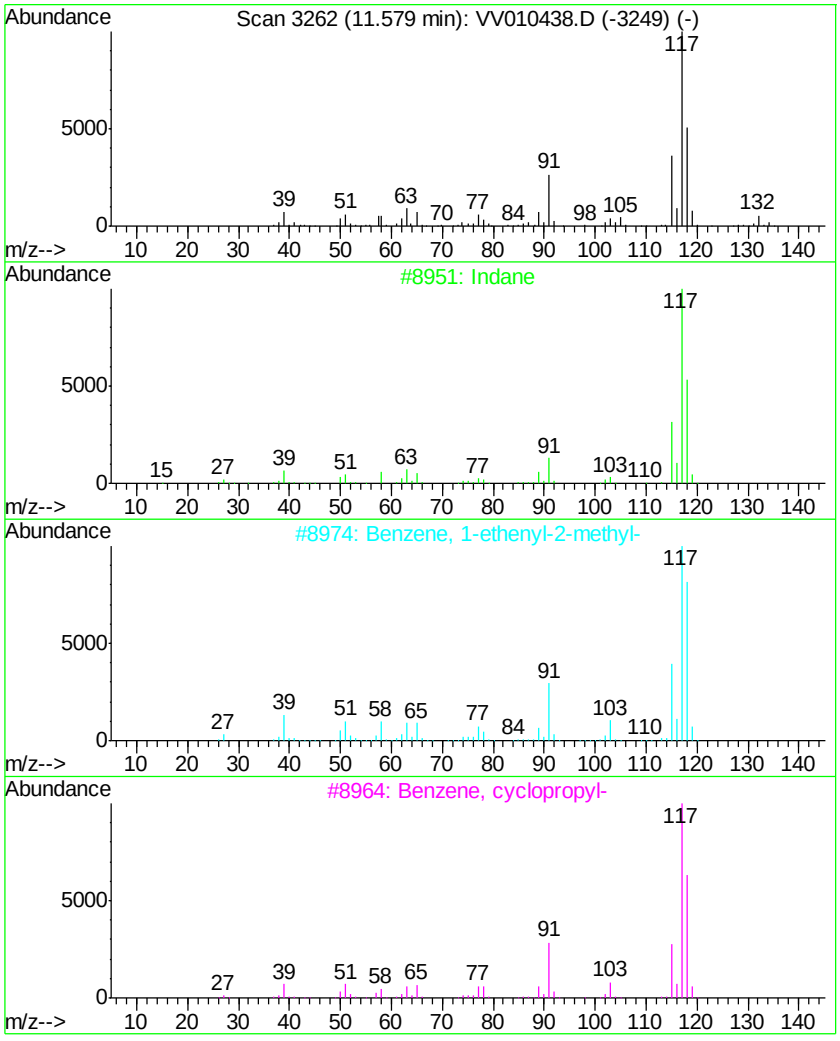
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

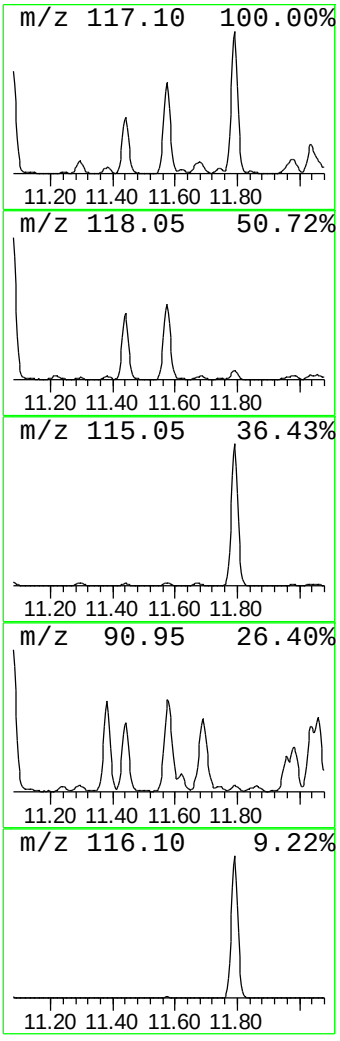
****

Peak Number 9 Indane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	24.39 ug/L	635010	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	78
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Deltacyclene	118	C9H10	007785-10-6	76
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	72





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Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

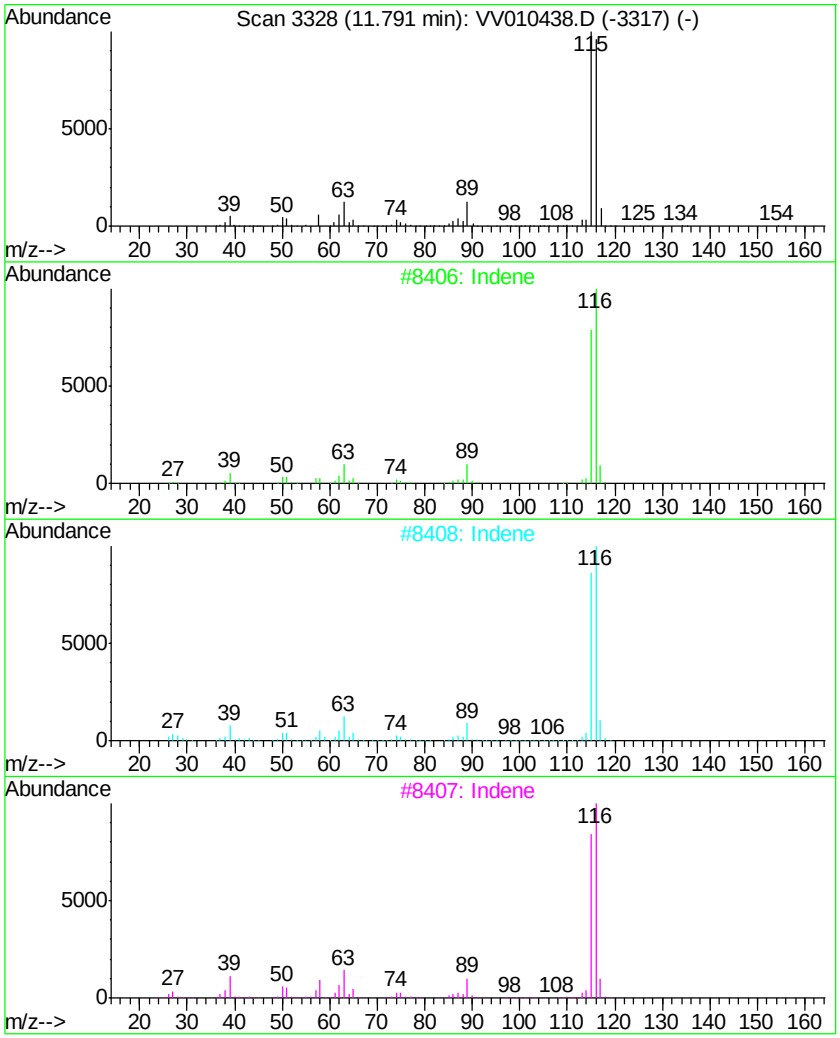
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

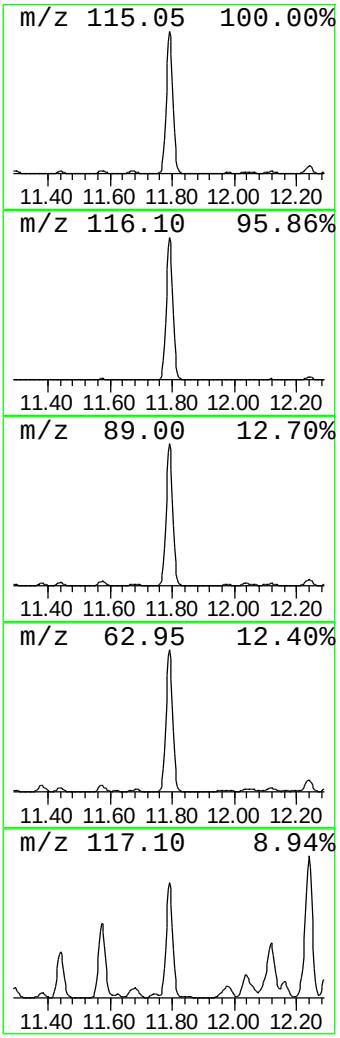
****

Peak Number 10 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	313.64 ug/L	8164480	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	93
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

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Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

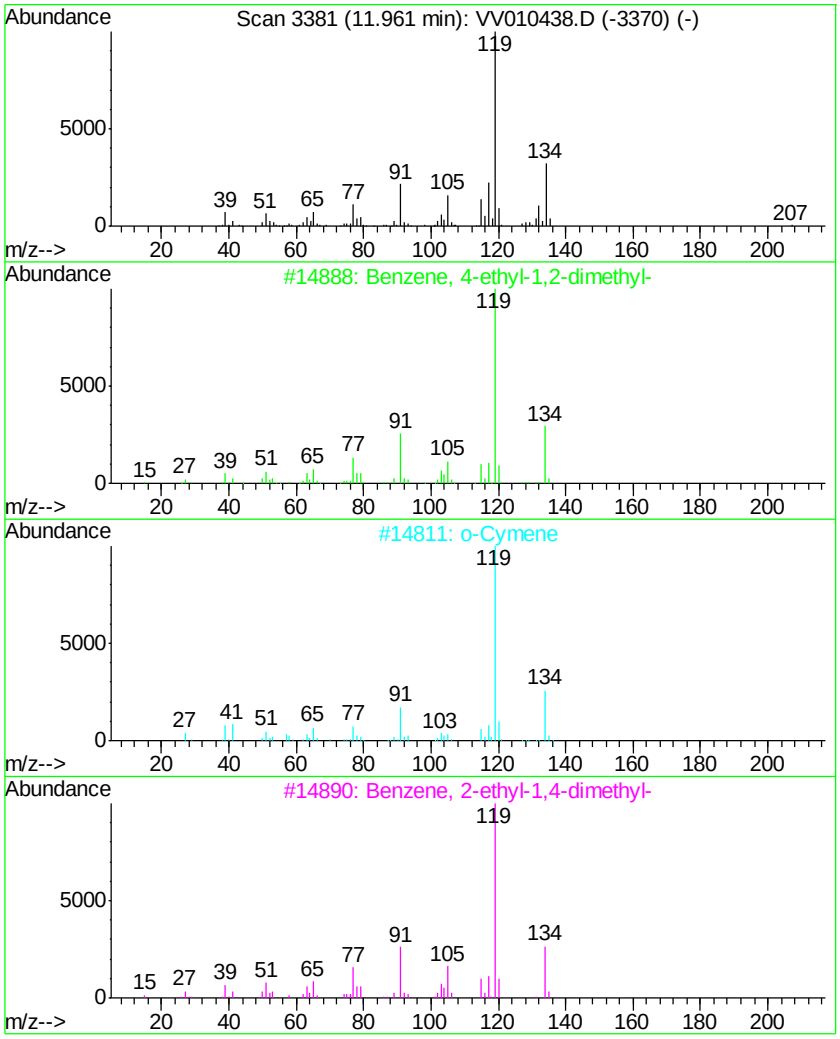
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

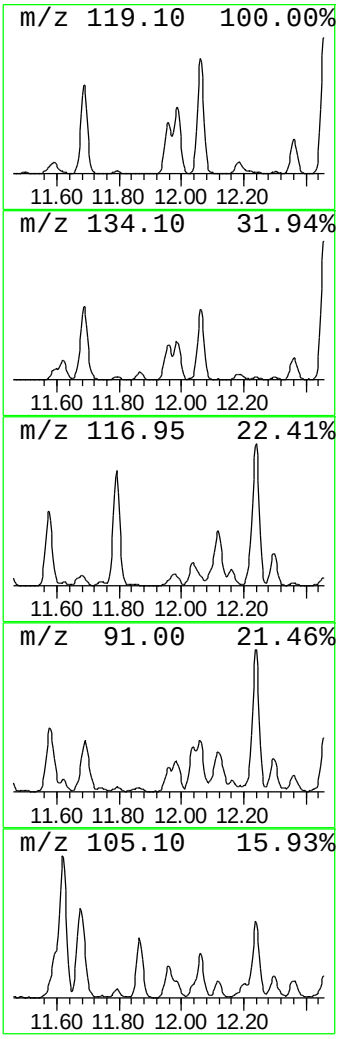
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	8.66 ug/L	225464	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2	o-Cymene	134	C10H14	000527-84-4	93
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5	o-Cymene	134	C10H14	000527-84-4	93





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Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

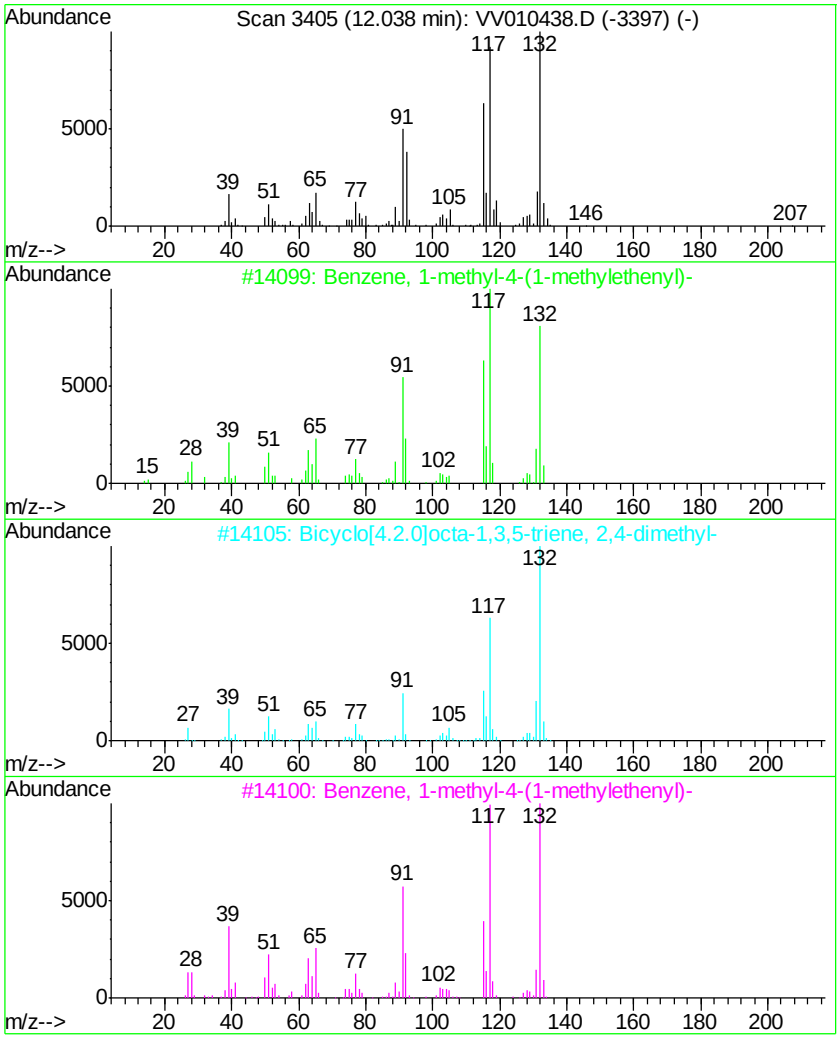
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

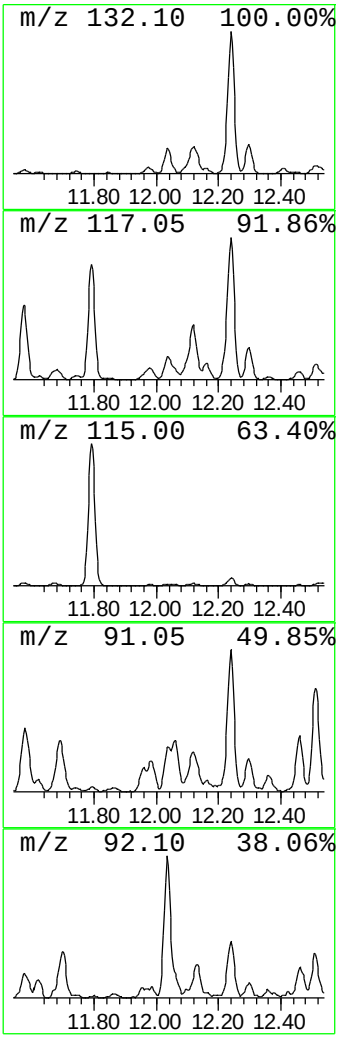
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-methyl-4-(1-meth... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	10.32 ug/L	268731	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	95
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	90
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	76
4	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	76
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76





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Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

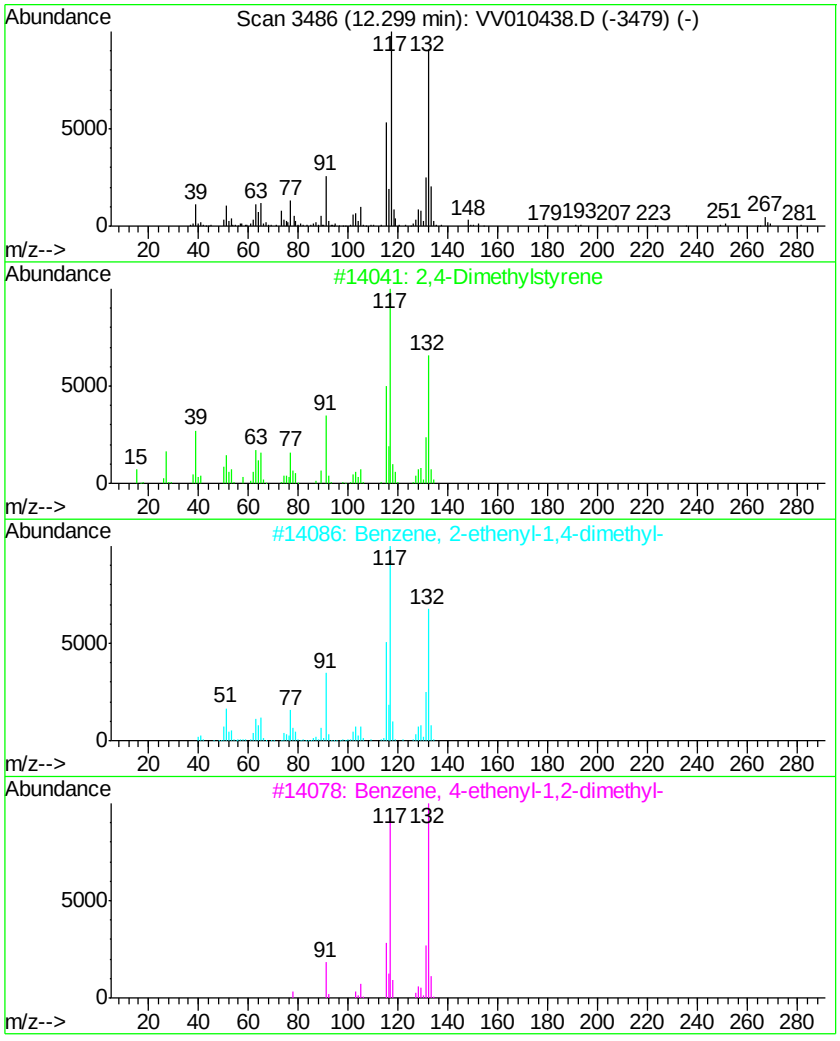
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

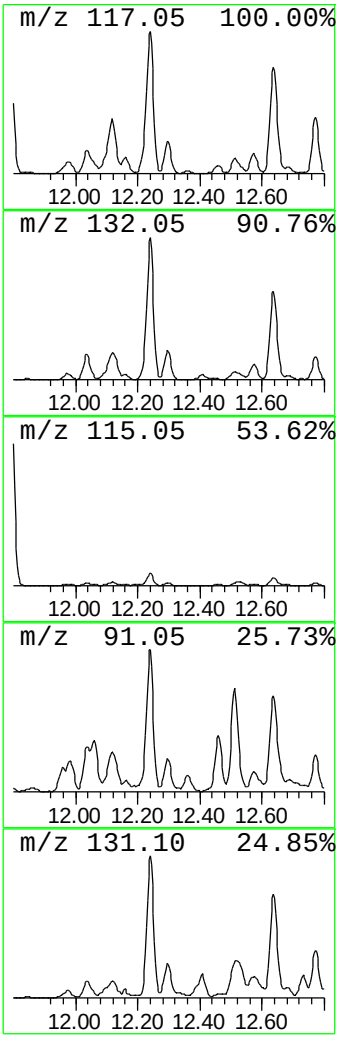
****

Peak Number 13 2,4-Dimethylstyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	14.64 ug/L	381189	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	97
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
3	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
5	o-Isopropenyltoluene	132	C10H12	007399-49-7	94





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Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

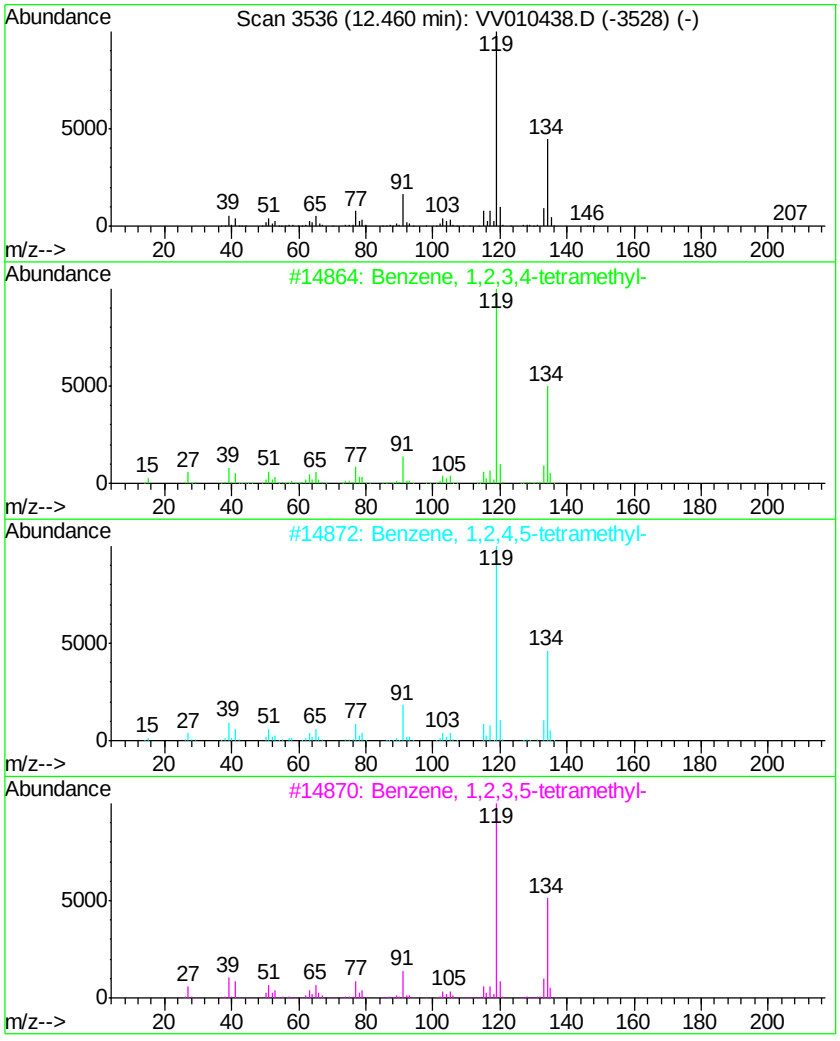
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

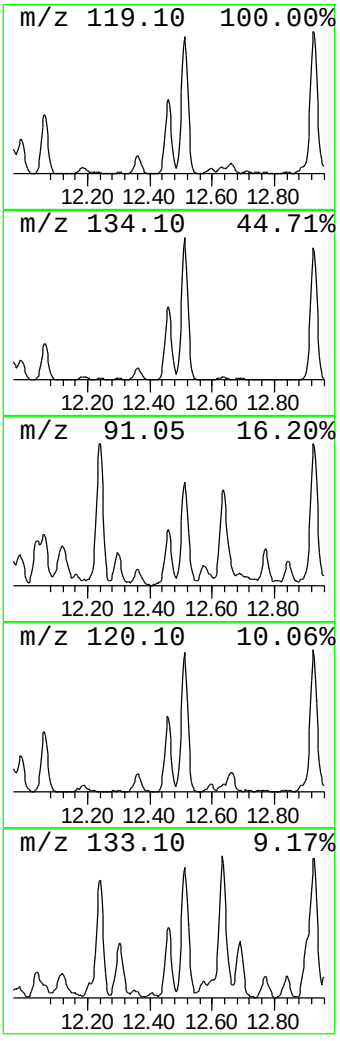
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	19.38 ug/L	504562	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





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Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

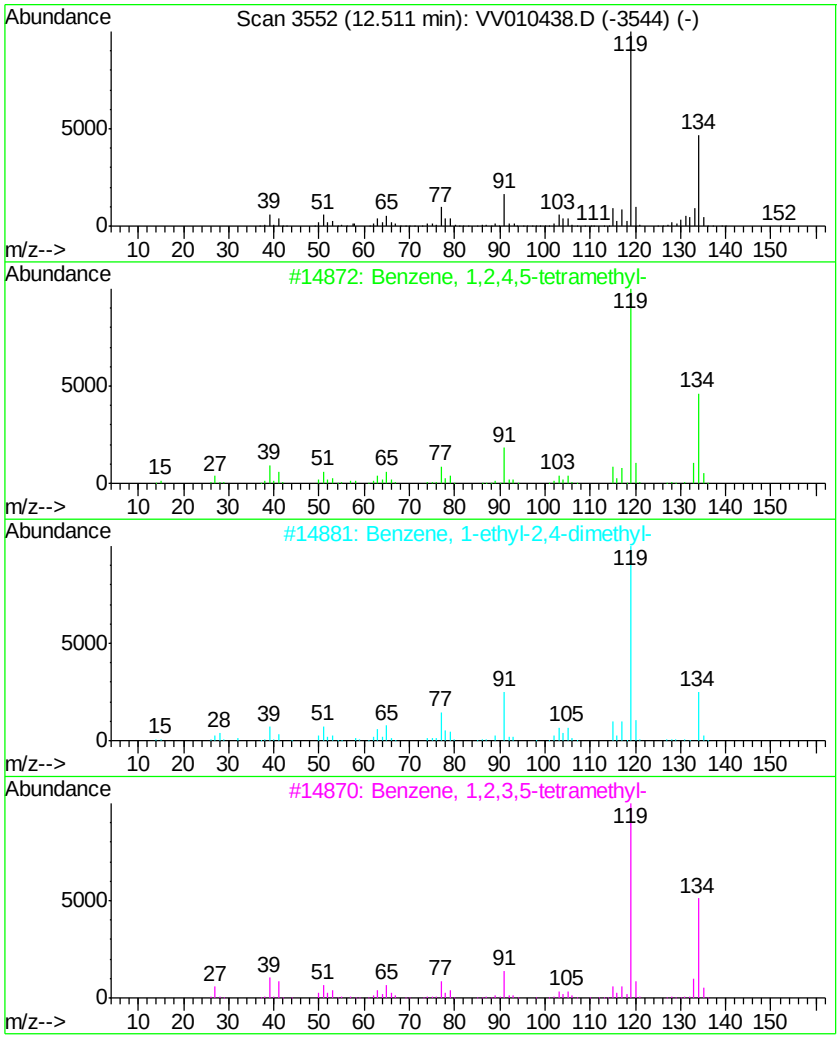
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

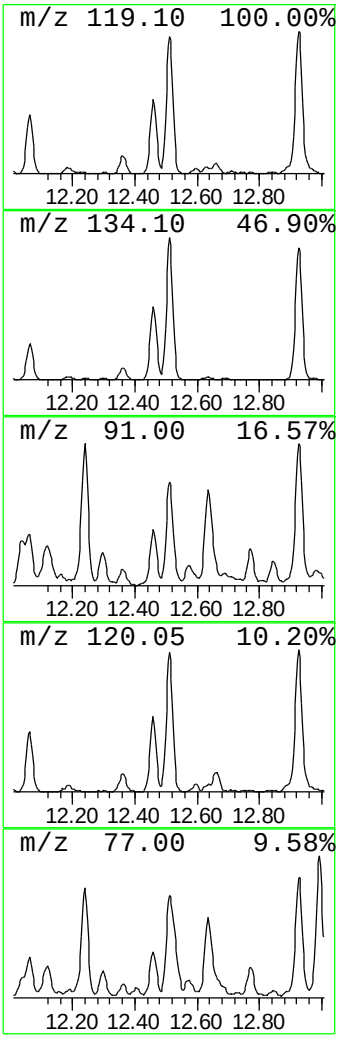
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	55.57 ug/L	1446590	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93





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Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

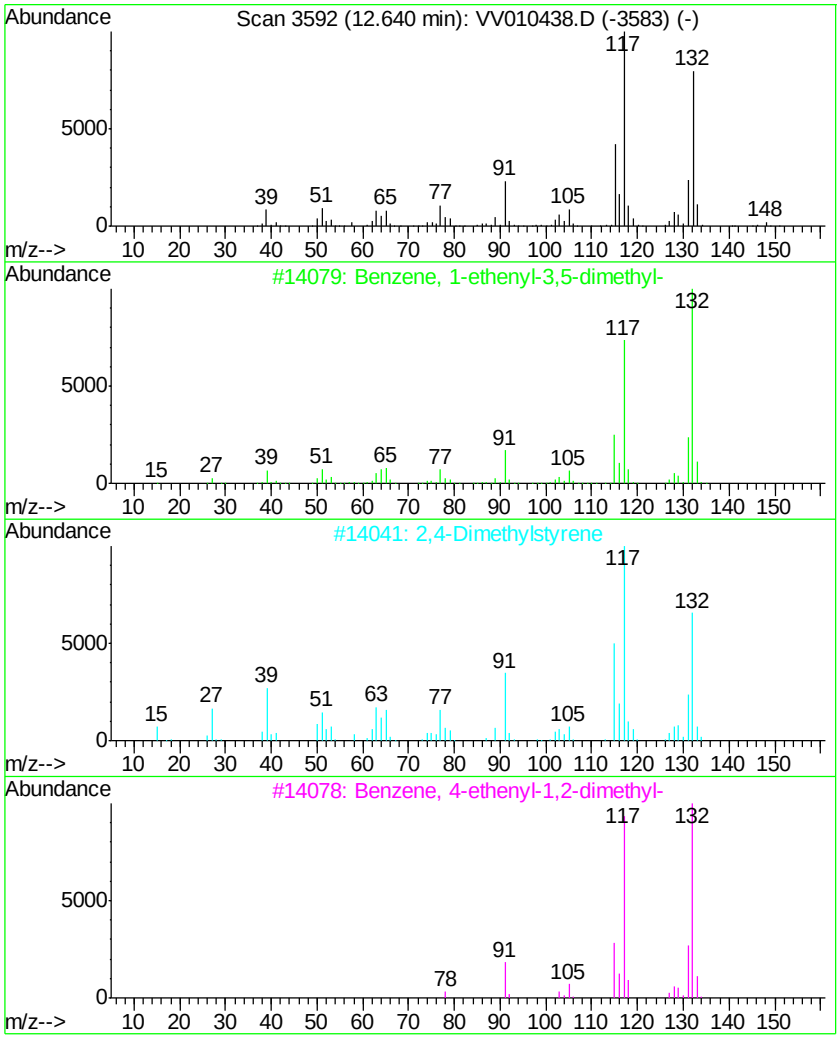
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

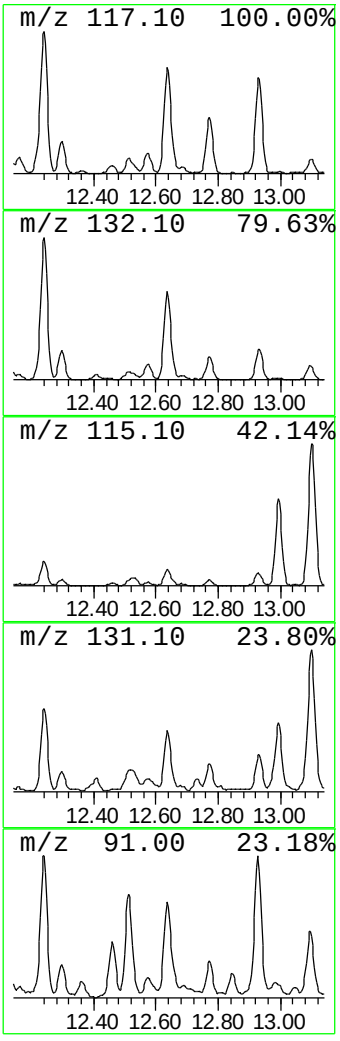
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	44.24 ug/L	1151580	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	97
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94





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Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

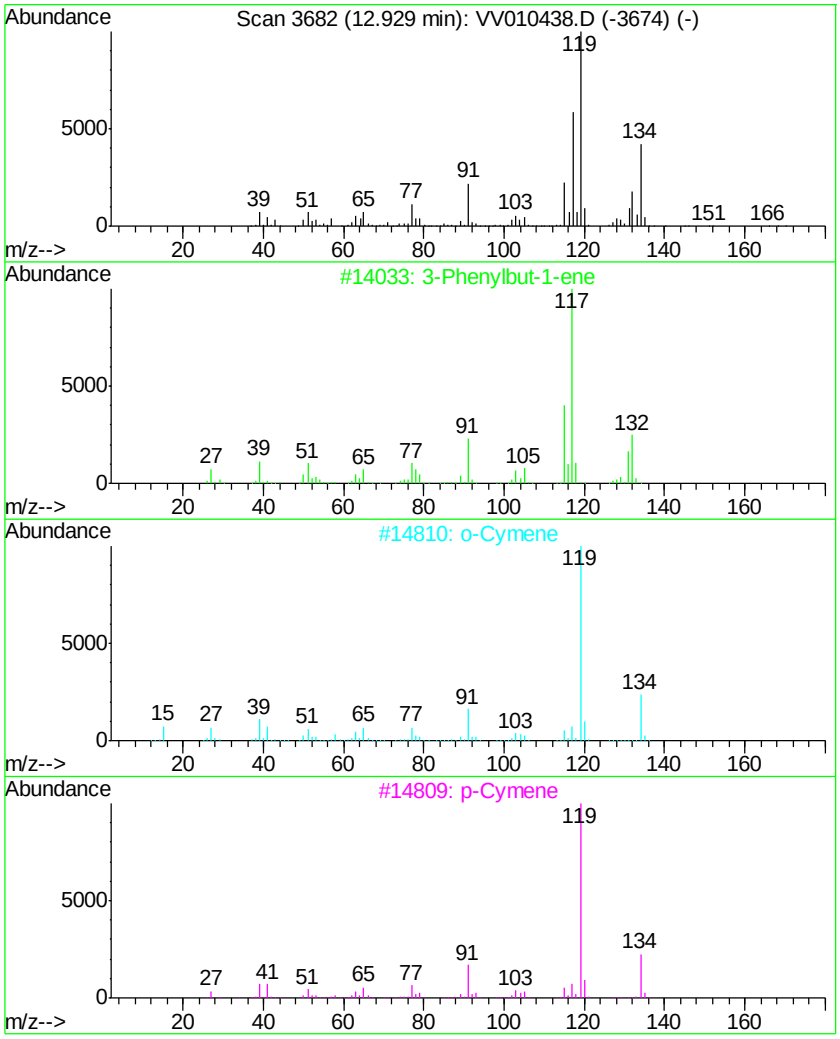
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

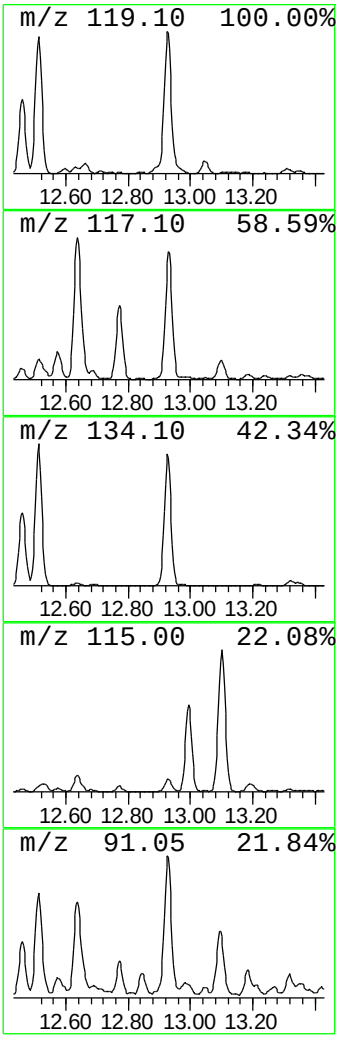
****

Peak Number 17 3-Phenylbut-1-ene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	59.63 ug/L	1552220	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2	o-Cymene	134	C10H14	000527-84-4	64
3	p-Cymene	134	C10H14	000099-87-6	64
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64





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Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

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

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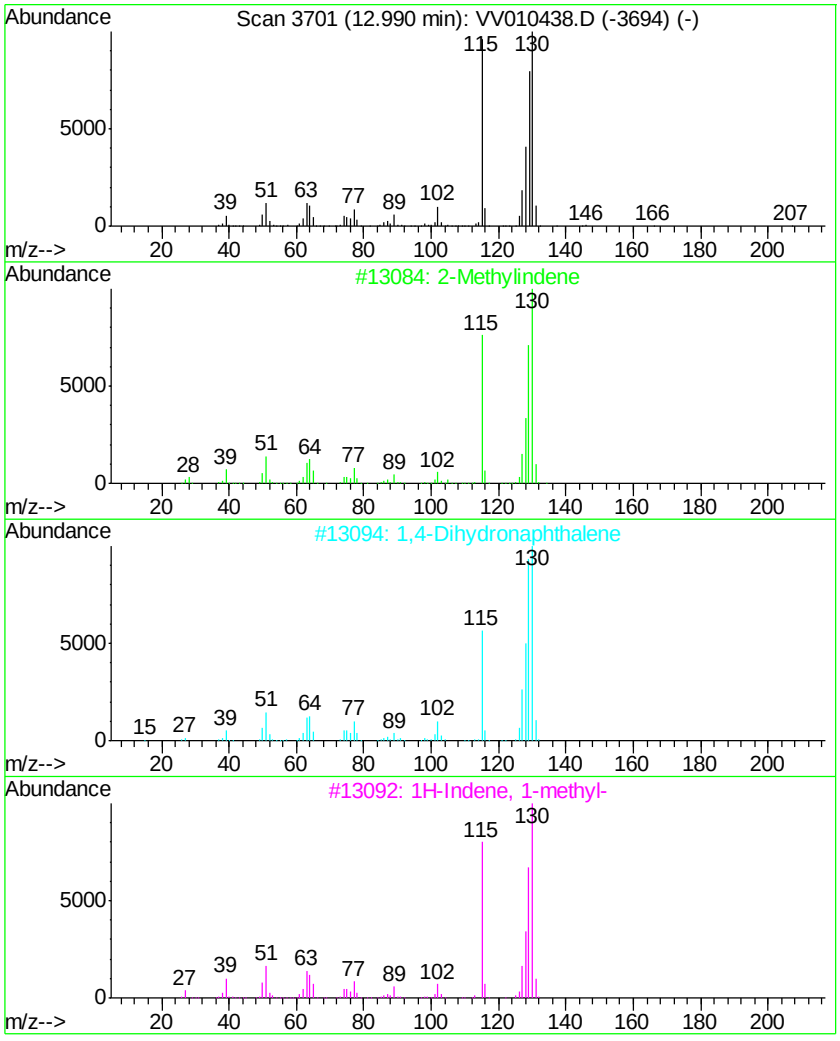
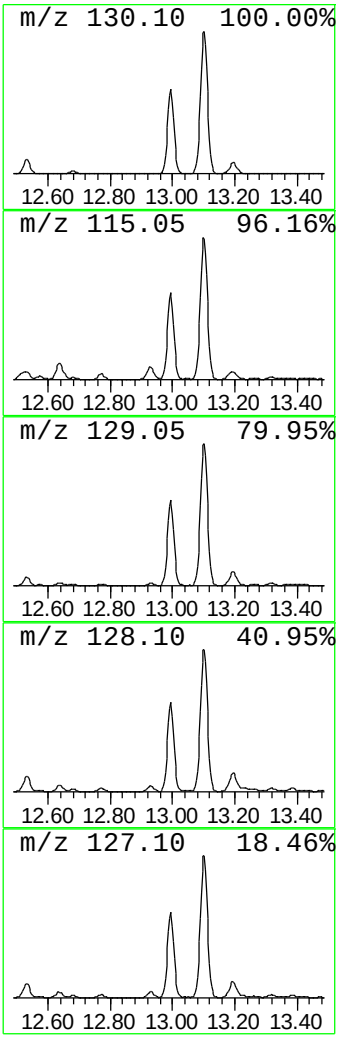
Peak Number 18 2-Methylindene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	103.87 ug/L	2703870	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93





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Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

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Quant Title : VOC Analysis

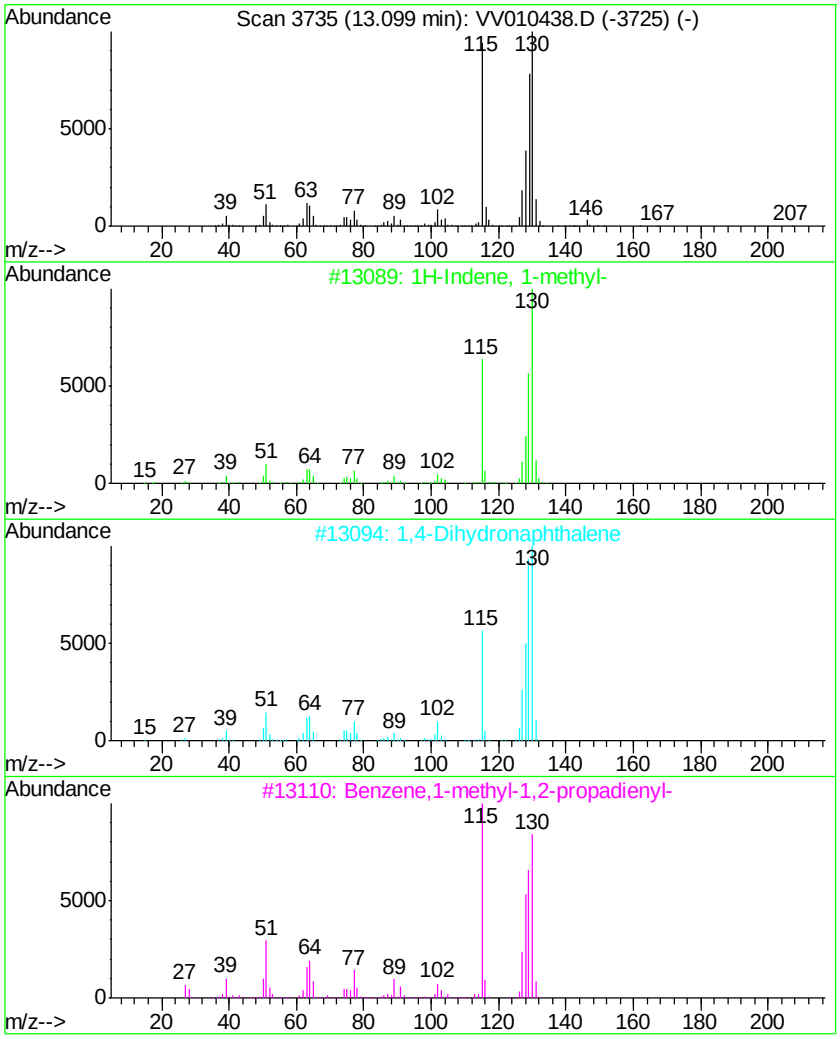
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

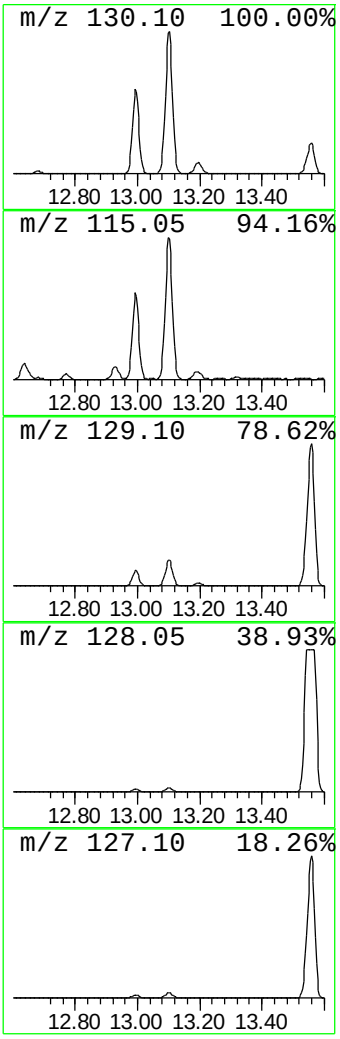
****

Peak Number 19 1H-Indene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	199.45 ug/L	5192040	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





Library Search Compound Report

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Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

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

****
Peak Number 21 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	1531.66 ug/L	39871500	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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
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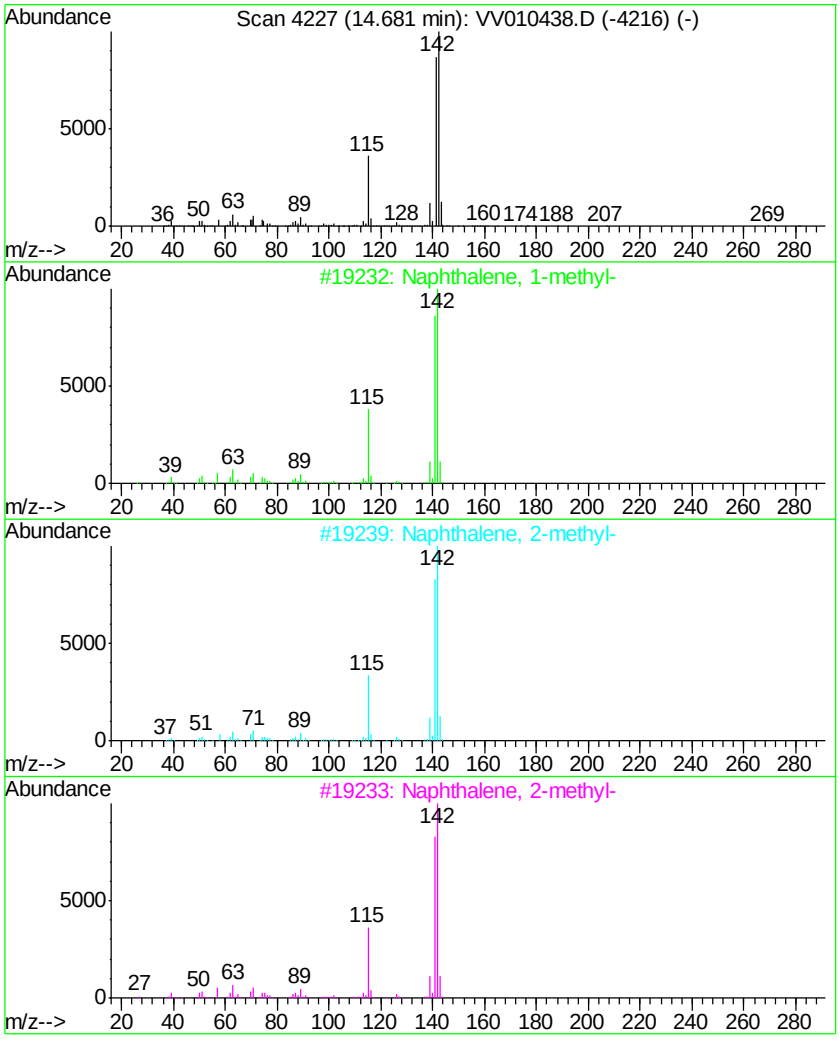
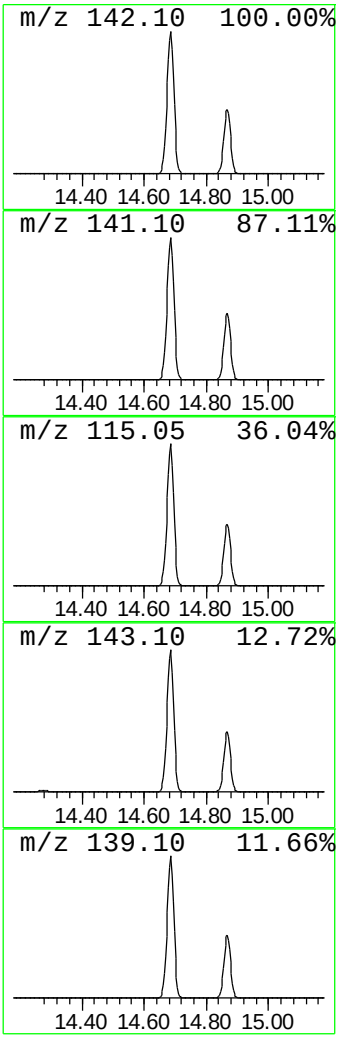
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\
Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

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

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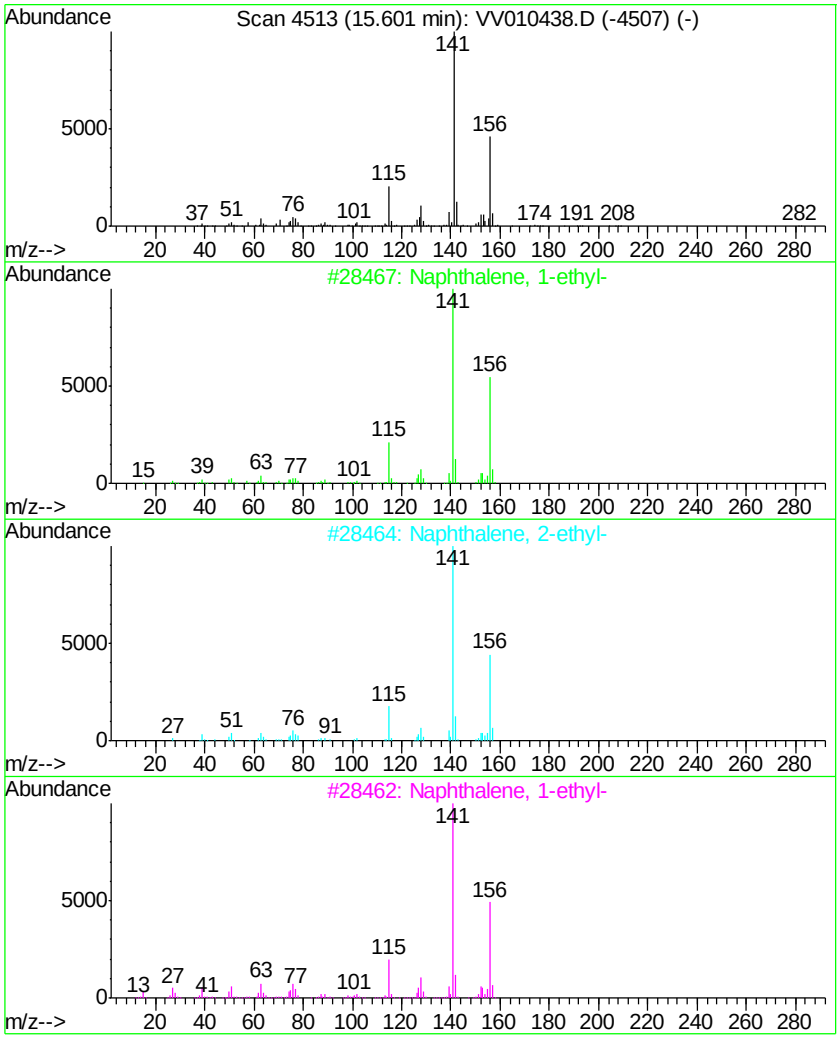
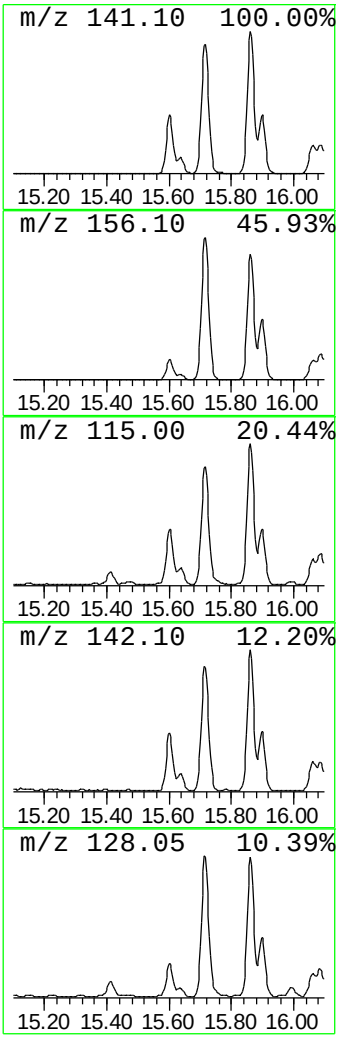
Peak Number 24 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	21.99 ug/L	572457	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\
Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

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

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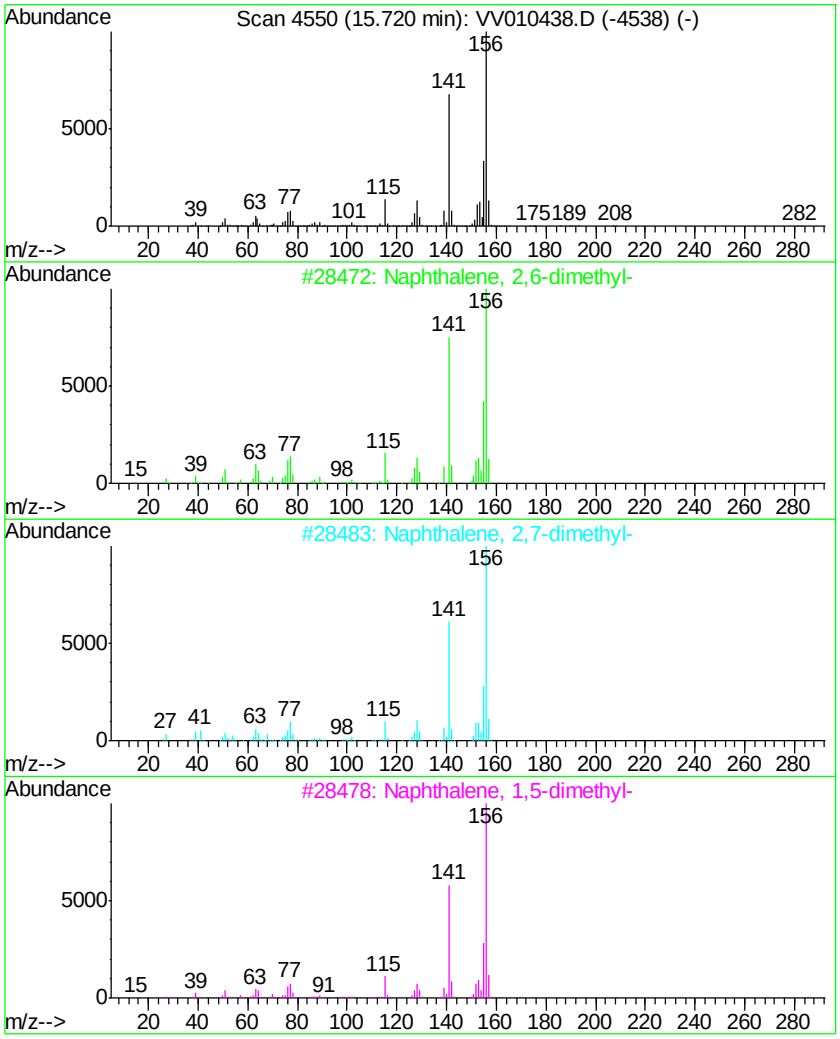
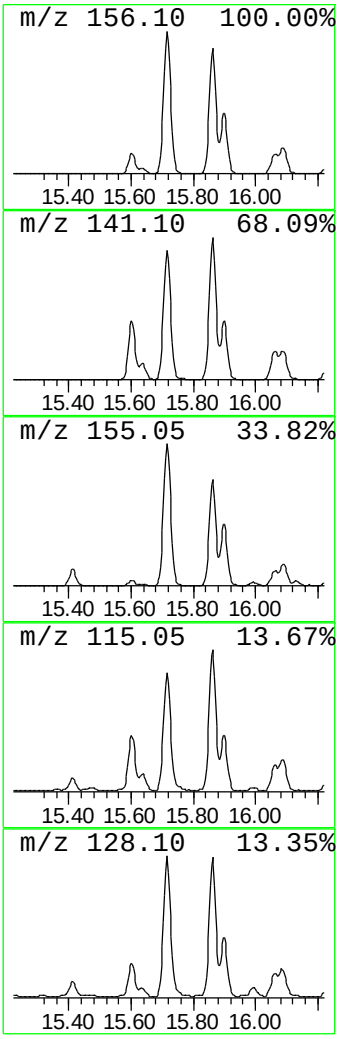
Peak Number 25 Naphthalene, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	132.94 ug/L	3460580	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\
Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

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

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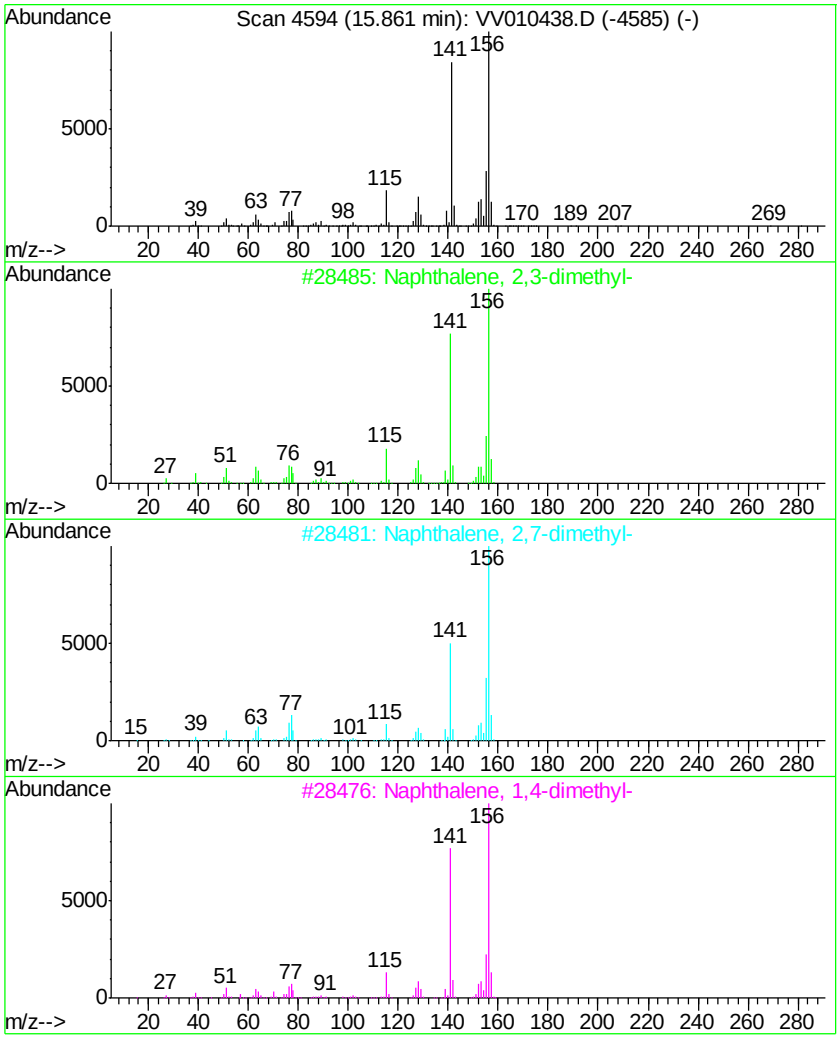
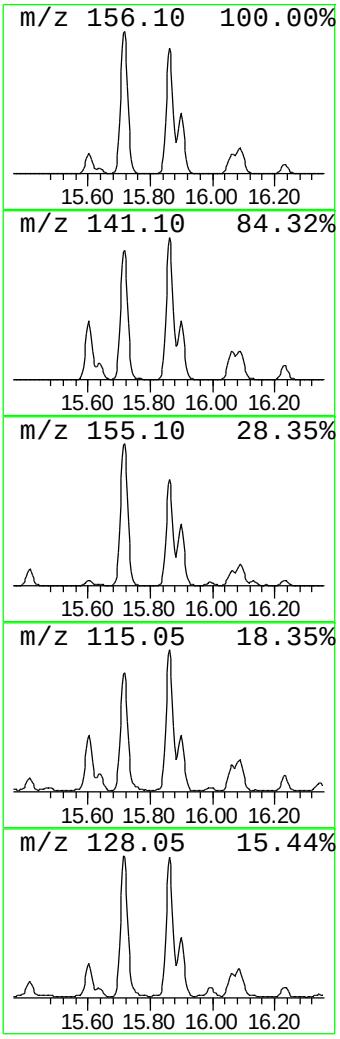
Peak Number 26 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	113.04 ug/L	2942520	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\
Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.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
Benzene, 1-ethyl-...	10.49	8.9	ug/L	231620	3	11.29	650790	25.0
Benzene, 1,2,3-tr...	10.58	12.8	ug/L	332364	3	11.29	650790	25.0
Benzene, 1-etheny...	11.03	84.1	ug/L	2190300	3	11.29	650790	25.0
Benzene, 1-etheny...	11.44	14.6	ug/L	379395	3	11.29	650790	25.0
Indane	11.58	24.4	ug/L	635010	3	11.29	650790	25.0
Indene	11.79	313.6	ug/L	8164480	3	11.29	650790	25.0
Benzene, 4-ethyl-...	11.96	8.7	ug/L	225464	3	11.29	650790	25.0
Benzene, 1-methyl...	12.04	10.3	ug/L	268731	3	11.29	650790	25.0
2,4-Dimethylstyrene	12.30	14.6	ug/L	381189	3	11.29	650790	25.0
Benzene, 1,2,3,4-...	12.46	19.4	ug/L	504562	3	11.29	650790	25.0
Benzene, 1,2,4,5-...	12.51	55.6	ug/L	1446590	3	11.29	650790	25.0
Benzene, 1-etheny...	12.64	44.2	ug/L	1151580	3	11.29	650790	25.0
3-Phenylbut-1-ene	12.93	59.6	ug/L	1552220	3	11.29	650790	25.0
2-Methylindene	12.99	103.9	ug/L	2703870	3	11.29	650790	25.0
1H-Indene, 1-methyl-	13.10	199.4	ug/L	5192040	3	11.29	650790	25.0
Naphthalene, 1-me...	14.68	1531.7	ug/L	39871500	3	11.29	650790	25.0
Naphthalene, 1-et...	15.60	22.0	ug/L	572457	3	11.29	650790	25.0
Naphthalene, 2,6-...	15.72	132.9	ug/L	3460580	3	11.29	650790	25.0
Naphthalene, 2,3-...	15.86	113.0	ug/L	2942520	3	11.29	650790	25.0