LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

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_U\METHOD\SOMULM091919WMA.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	1.177	24	27	36	rVB3	8449	7481	0.03%	0.006%
2	1.280	54	59	69	rVB	63216	60250	0.27%	0.050%
3	1.395	87	95	107	rBV	331687	355189	1.58%	0.292%
4	1.672	174	181	195	rVB	264550	333083	1.48%	0.274%
5	2.257	354	363	376	rVB	471149	731130	3.26%	0.601%
6	2.527	445	447	454	rVB7	3001	2546	0.01%	0.002%
7	2.643	479	483	485	rBV3	1921	1336	0.01%	0.001%
8	2.752	515	517	521	rVB4	1775	1114	0.00%	0.001%
9	2.926	568	571	573	rVV3	1838	1379	0.01%	0.001%
10	2.965	579	583	601	rVB3	6612	13416	0.06%	0.011%
11	3.048	605	609	613	rBV6	1939	1354	0.01%	0.001%
12	3.238	665	668	673	rVV6	1412	1373	0.01%	0.001%
13	3.283	677	682	688	rBV8	2878	3765	0.02%	0.003%
14	3.566	765	770	773	rVB6	1320	1226	0.01%	0.001%
15	3.608	780	783	791	rVB7	1891	2124	0.01%	0.002%
16	3.987	896	901	905	rBV6	2294	2081	0.01%	0.002%
17	4.067	912	926	939	rBV8	8050	21295	0.09%	0.018%
18	4.199	939	967	1015	rBV	8806012	22056806	98.22%	18.145%
19	4.620	1085	1098	1121	rVB	351223	825805	3.68%	0.679%
20	5.170	1266	1269	1272	rBV3	2240	1726	0.01%	0.001%
21	5.199	1272	1278	1284	rVV9	4603	7234	0.03%	0.006%
22	5.315	1292	1314	1343	rBV2	711921	2156430	9.60%	1.774%
23	5.601	1392	1403	1408	rBV2	7434	14109	0.06%	0.012%
24	5.762	1445	1453	1455	rBV8	4370	5605	0.02%	0.005%
25	5.865	1470	1485	1500	rBV	592995	1191435	5.31%	0.980%
26	6.164	1567	1578	1598	rVB2	313642	602966	2.68%	0.496%
27	6.308	1610	1623	1637	rBV2	503064	1008405	4.49%	0.830%
28	6.392	1641	1649	1667	rVB3	86269	181880	0.81%	0.150%
29	6.813	1774	1780	1782	rBV5	2876	3415	0.02%	0.003%
30	6.987	1831	1834	1837	rBV4	1830	1178	0.01%	0.001%
31	7.013	1837	1842	1847	rBV7	2934	3588	0.02%	0.003%
32	7.080	1860	1863	1865	rBV4	2154	1517	0.01%	0.001%
33	7.157	1883	1887	1891	rBV6	3900	4161	0.02%	0.003%
34	7.205	1891	1902	1924	rVV	302852	551207	2.45%	0.453%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092019\
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Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

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_U\METHOD\SOMULM091919WMA.M
Title : VOC Analysis

35	7.398	1959	1962	1963	rBV3	1910	1080	0.00%	0.001%
36	7.543	1985	2007	2023	rBV	926685	1665481	7.42%	1.370%
37	7.829	2081	2096	2109	rBV2	211635	383653	1.71%	0.316%
38	8.205	2198	2213	2230	rBV	13588513	22457277	100.00%	18.474%
39	8.289	2230	2239	2272	rVB	759781	1481676	6.60%	1.219%
40	8.521	2305	2311	2321	rVB3	39798	63524	0.28%	0.052%
41	8.717	2369	2372	2374	rBV4	2431	1660	0.01%	0.001%
42	8.791	2390	2395	2398	rBV5	6031	6090	0.03%	0.005%
43	8.887	2419	2425	2435	rVB4	15533	25068	0.11%	0.021%
44	8.945	2439	2443	2444	rBV4	2086	1464	0.01%	0.001%
45	9.009	2456	2463	2470	rBV3	13663	19696	0.09%	0.016%
46	9.067	2470	2481	2501	rVV	825174	1358877	6.05%	1.118%
47	9.228	2520	2531	2545	rBV	395976	635271	2.83%	0.523%
48	9.424	2585	2592	2612	rVB4	36336	69312	0.31%	0.057%
49	9.549	2623	2631	2641	rVB10	9305	16690	0.07%	0.014%
50	9.694	2665	2676	2686	rBV8	21455	49804	0.22%	0.041%
51	9.758	2690	2696	2715	rVB3	47830	87408	0.39%	0.072%
52	9.929	2734	2749	2760	rVB5	43495	84440	0.38%	0.069%
53	10.022	2770	2778	2787	rBV7	33363	59577	0.27%	0.049%
54	10.144	2805	2816	2827	rBV	198723	320265	1.43%	0.263%
55	10.408	2887	2898	2911	rBV	637605	1056291	4.70%	0.869%
56	10.565	2936	2947	2960	rBV	338340	546080	2.43%	0.449%
57	10.681	2970	2983	2992	rBV	137219	252988	1.13%	0.208%
58	10.749	2993	3004	3012	rBV	653128	994506	4.43%	0.818%
59	10.948	3055	3066	3086	rVB	832745	1330216	5.92%	1.094%
60	11.093	3104	3111	3112	rBV5	53240	55556	0.25%	0.046%
61	11.125	3113	3121	3134	rVB	520181	799542	3.56%	0.658%
62	11.299	3169	3175	3189	rVB	201949	332499	1.48%	0.274%
63	11.405	3202	3208	3216	rVB	179920	242423	1.08%	0.199%
64	11.459	3216	3225	3245	rVB	730143	1175669	5.24%	0.967%
65	11.546	3245	3252	3260	rBV	135500	186680	0.83%	0.154%
66	11.746	3302	3314	3321	rBV3	823249	1557967	6.94%	1.282%
67	11.839	3333	3343	3365	rVB7	1262926	2742451	12.21%	2.256%
68	11.958	3372	3380	3386	rBV2	142062	213168	0.95%	0.175%
69	12.003	3388	3394	3397	rBV	170869	211135	0.94%	0.174%
70	12.122	3422	3431	3436	rBV	538078	833375	3.71%	0.686%
71	12.228	3455	3464	3471	rBV	807018	1201287	5.35%	0.988%

LSC Area Percent Report

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Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

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_U\METHOD\SOMULM091919WMA.M
Title : VOC Analysis

72	12.331	3486	3496	3507	rBV2	740245	1461341	6.51%	1.202%
73	12.472	3534	3540	3548	rBV3	107824	173701	0.77%	0.143%
74	12.594	3569	3578	3580	rBV5	131673	183032	0.82%	0.151%
75	12.626	3581	3588	3596	rVV	684466	1024812	4.56%	0.843%
76	12.681	3596	3605	3623	rVB	1018484	1693540	7.54%	1.393%
77	12.765	3624	3631	3637	rBV2	211686	311066	1.39%	0.256%
78	12.942	3679	3686	3700	rVB	855036	1283268	5.71%	1.056%
79	13.009	3702	3707	3715	rVB4	130805	166697	0.74%	0.137%
80	13.064	3717	3724	3725	rBV	160076	179891	0.80%	0.148%
81	13.099	3726	3735	3751	rVB3	2731869	4402559	19.60%	3.622%
82	13.263	3777	3786	3810	rVB2	1604198	2759158	12.29%	2.270%
83	13.385	3817	3824	3831	rBV2	225759	316698	1.41%	0.261%
84	13.434	3832	3839	3847	rVB	376889	541757	2.41%	0.446%
85	13.488	3848	3856	3863	rBV3	599430	967608	4.31%	0.796%
86	13.720	3917	3928	3937	rBV	3321403	5218717	23.24%	4.293%
87	13.835	3955	3964	3970	rBV3	511037	874693	3.89%	0.720%
88	13.929	3986	3993	4004	rVB3	525131	877188	3.91%	0.722%
89	14.125	4045	4054	4070	rBV3	787440	1450257	6.46%	1.193%
90	14.327	4103	4117	4137	rVB2	1310496	2749010	12.24%	2.261%
91	14.517	4169	4176	4188	rVB2	460914	839780	3.74%	0.691%
92	14.655	4210	4219	4235	rBV3	803063	1432531	6.38%	1.178%
93	14.851	4270	4280	4293	rBV	6316861	10159560	45.24%	8.358%
94	15.038	4330	4338	4345	rBV	1017404	1728726	7.70%	1.422%
95	15.642	4520	4526	4535	rVB3	288213	412928	1.84%	0.340%
96	15.777	4561	4568	4575	rBV	482721	763066	3.40%	0.628%
97	15.890	4593	4603	4615	rBV	1405754	2464687	10.98%	2.028%
98	16.035	4640	4648	4655	rBV	1833756	2810487	12.51%	2.312%
99	16.263	4705	4719	4741	rVB2	473331	1230275	5.48%	1.012%
100	16.408	4758	4764	4775	rVB2	277326	405715	1.81%	0.334%

Sum of corrected areas: 121560503

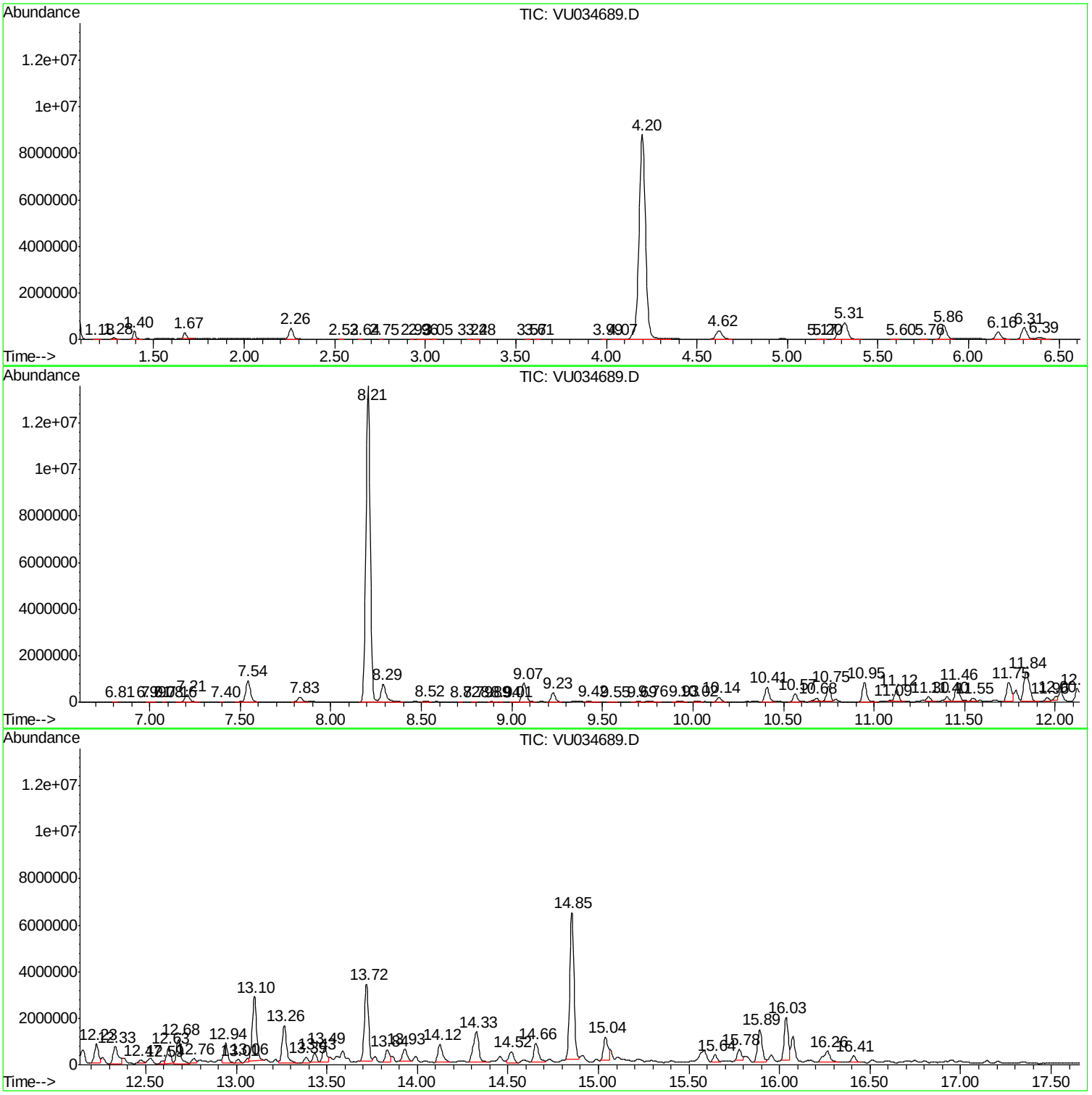
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.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_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

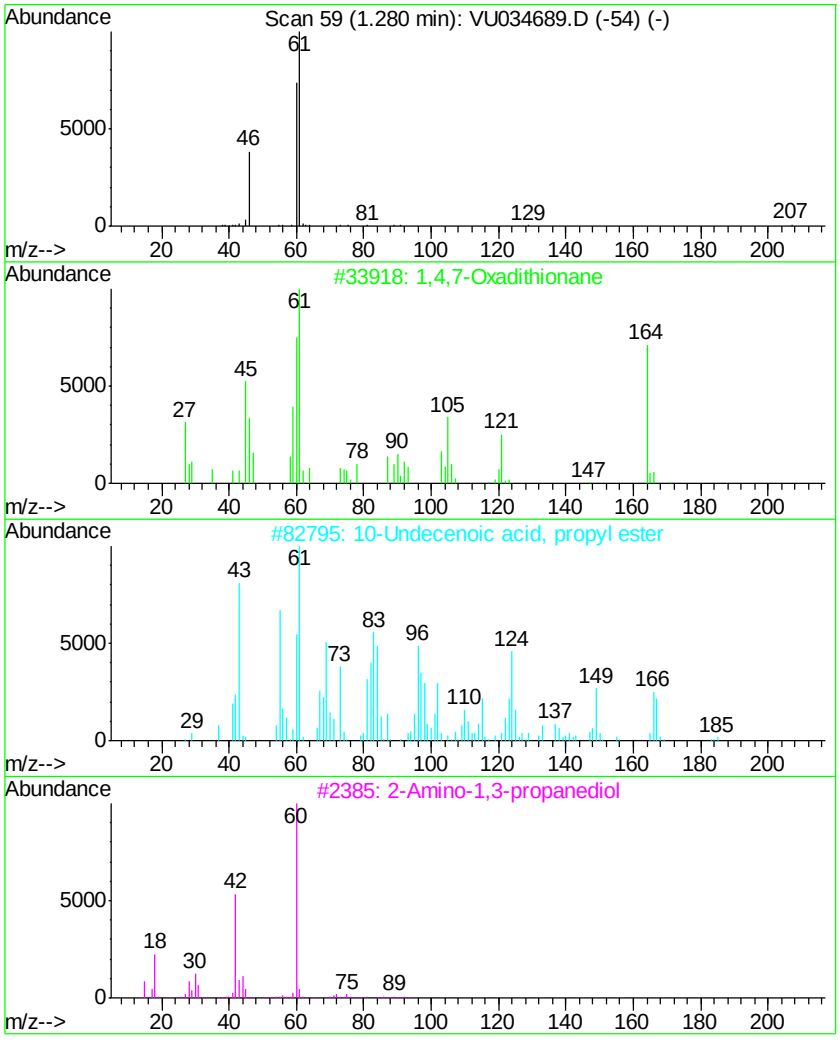
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

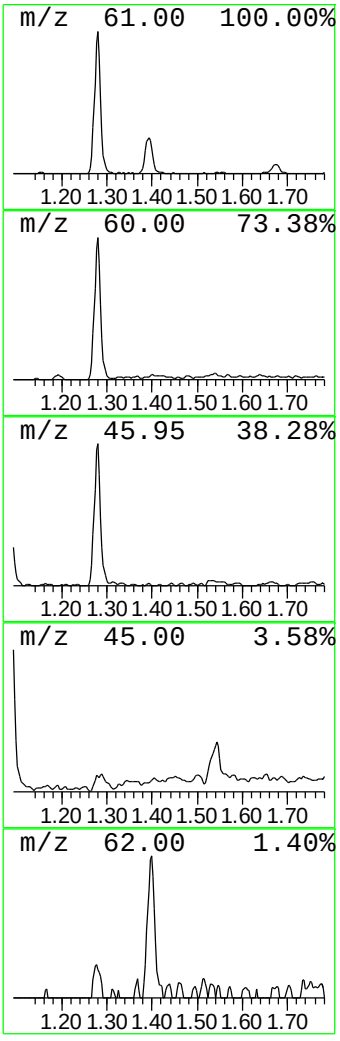
****

Peak Number 1 unknown-01 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.28	2.53 ug/L	60250	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,7-Oxadithionane	164	C6H12OS2	040474-73-5	9
2	10-Undecenoic acid, propyl ester	226	C14H26O2	094230-80-5	9
3	2-Amino-1,3-propanediol	91	C3H9NO2	000534-03-2	7
4	Cyanogen chloride	61	CClN	000506-77-4	5
5	Methyl nitrite	61	CH3NO2	000624-91-9	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

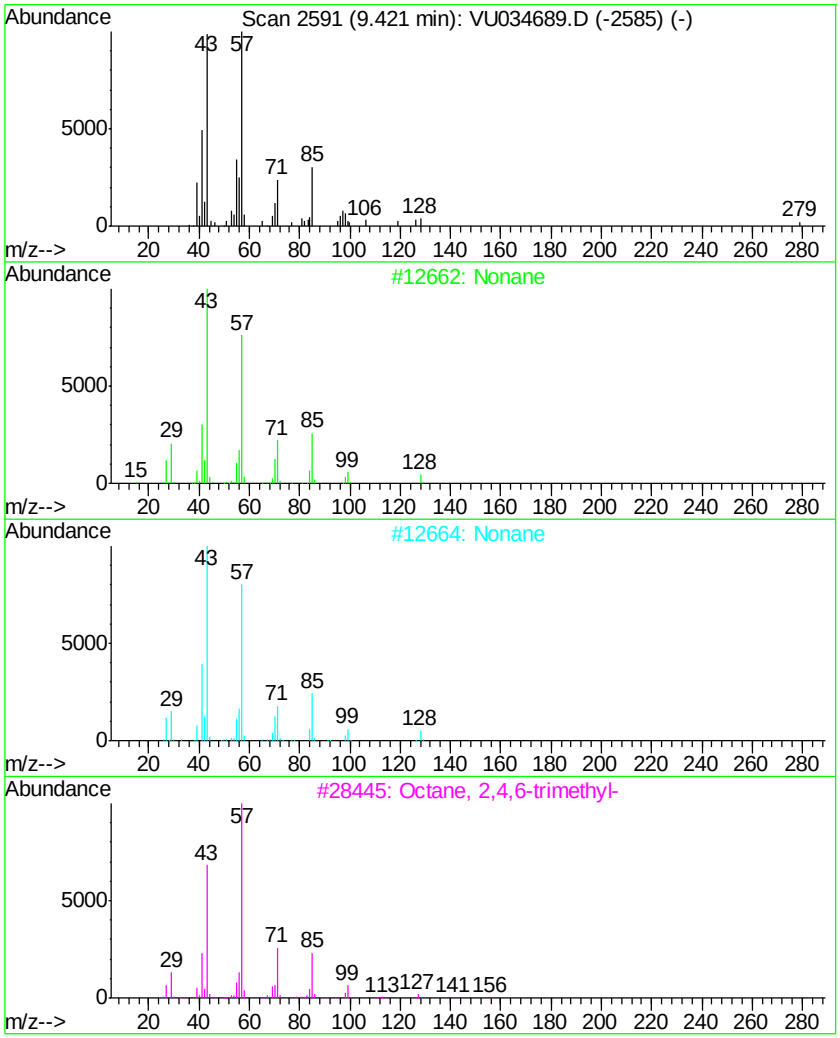
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

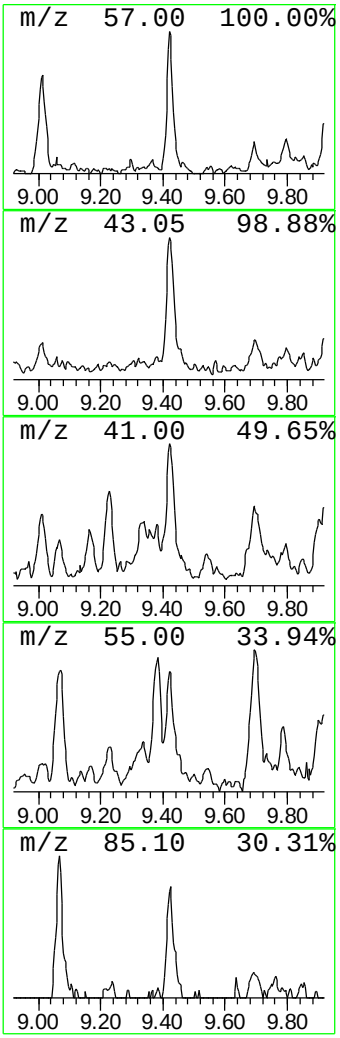
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	2.55 ug/L	69312	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	68
2	Nonane	128	C9H20	000111-84-2	58
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
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ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

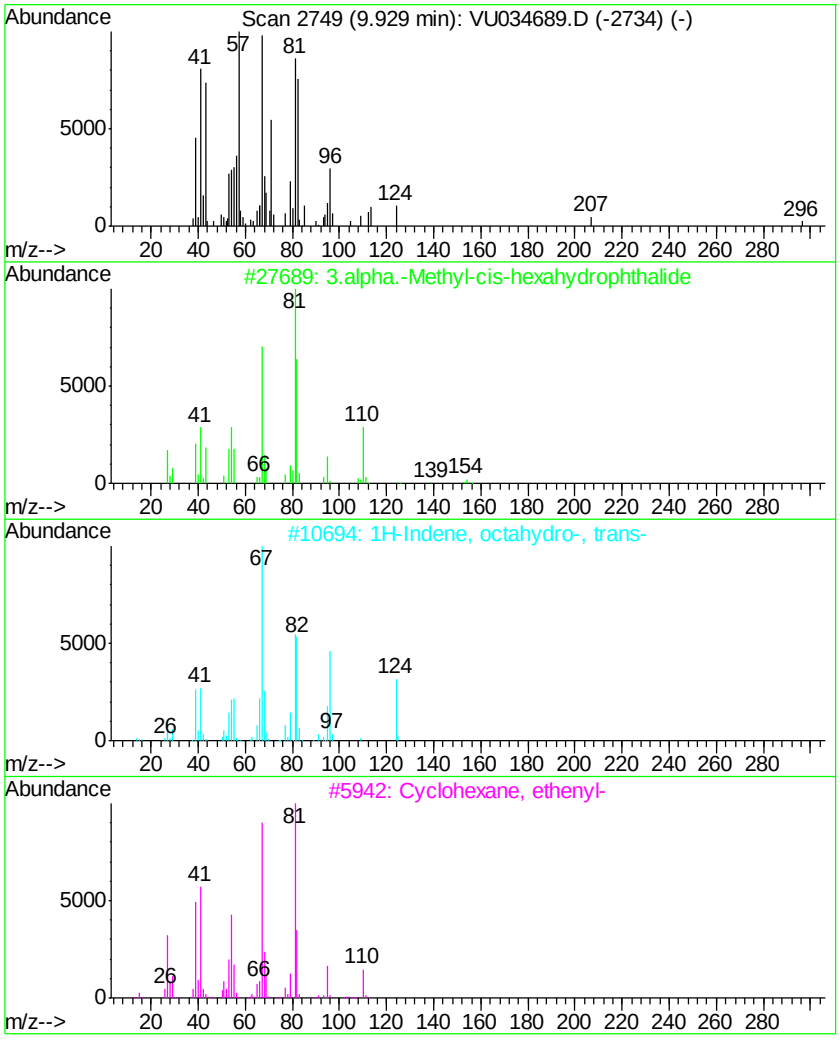
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

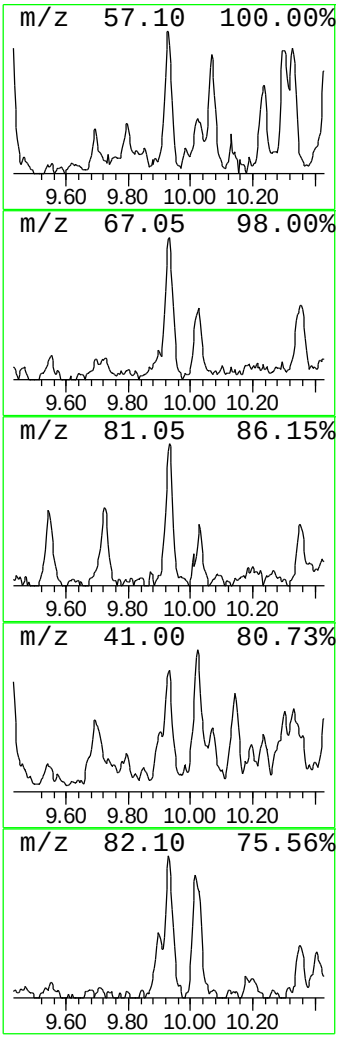
****

Peak Number 4 unknown-02 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	3.11 ug/L	84440	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3.alpha.-Methyl-cis-hexahydropht...	154	C9H14O2	058648-38-7	47
2	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	43
3	Cyclohexane, ethenyl-	110	C8H14	000695-12-5	35
4	trans-1,4-Hexadiene	82	C6H10	007319-00-8	30
5	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

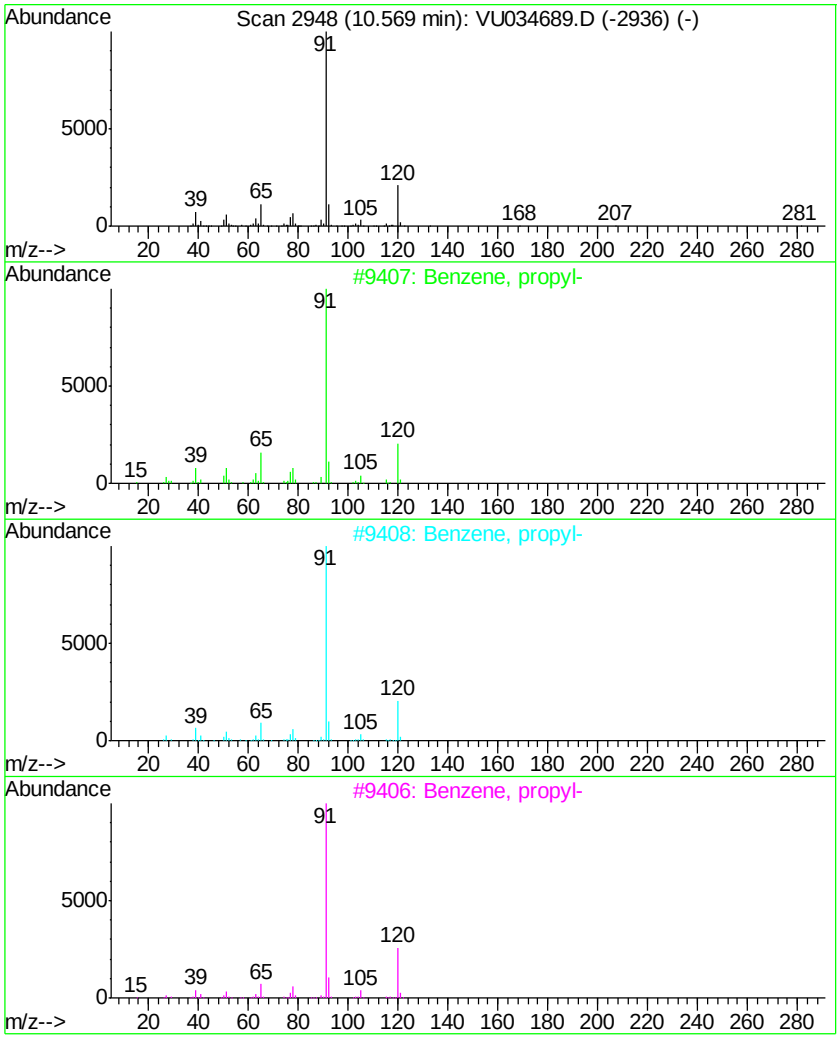
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

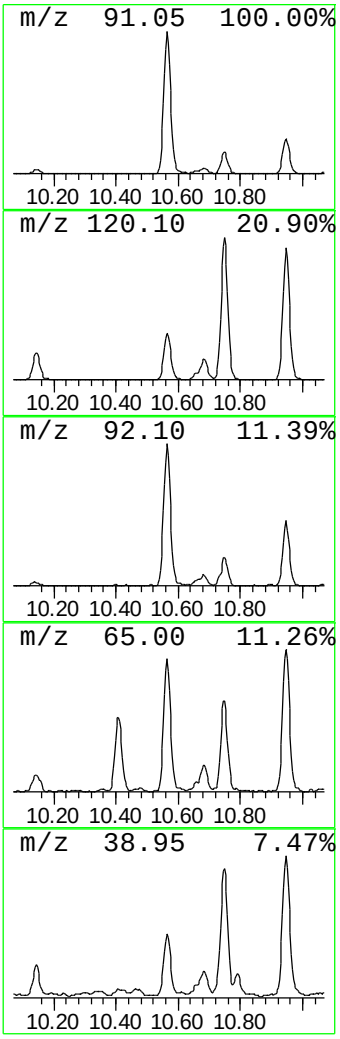
****

Peak Number 5 Benzene, propyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	23.22 ug/L	546080	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	95
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	78
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

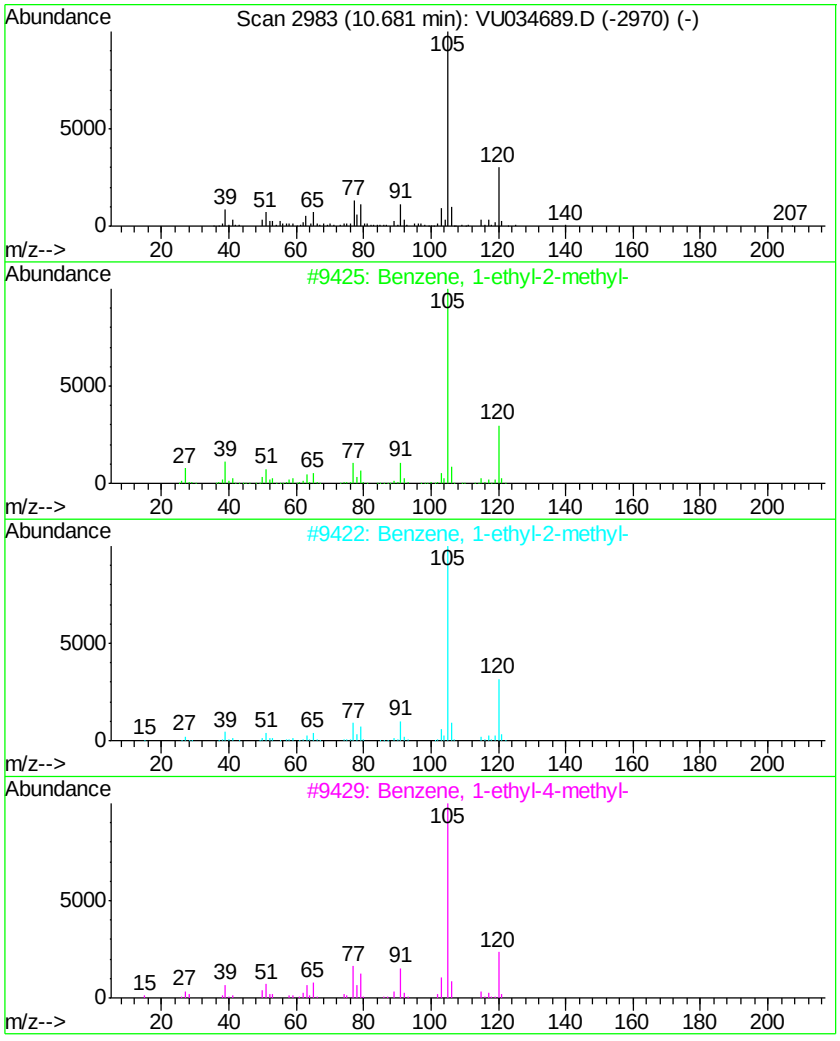
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

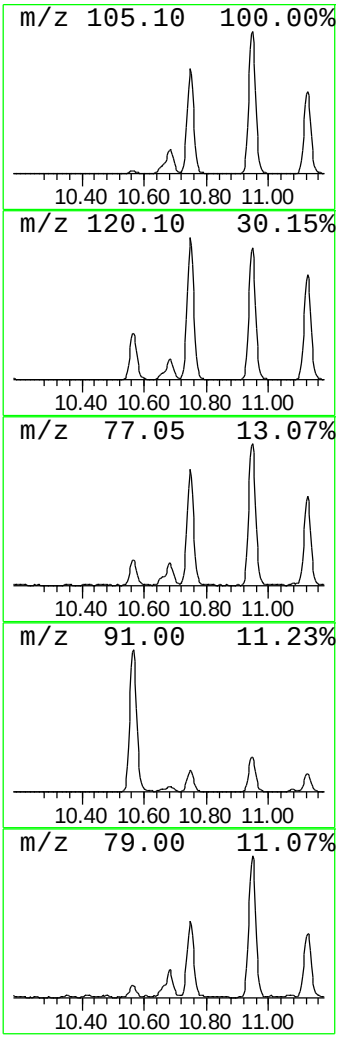
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	10.76 ug/L	252988	1,4-Dichlorobenzene-d4	11.46

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-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

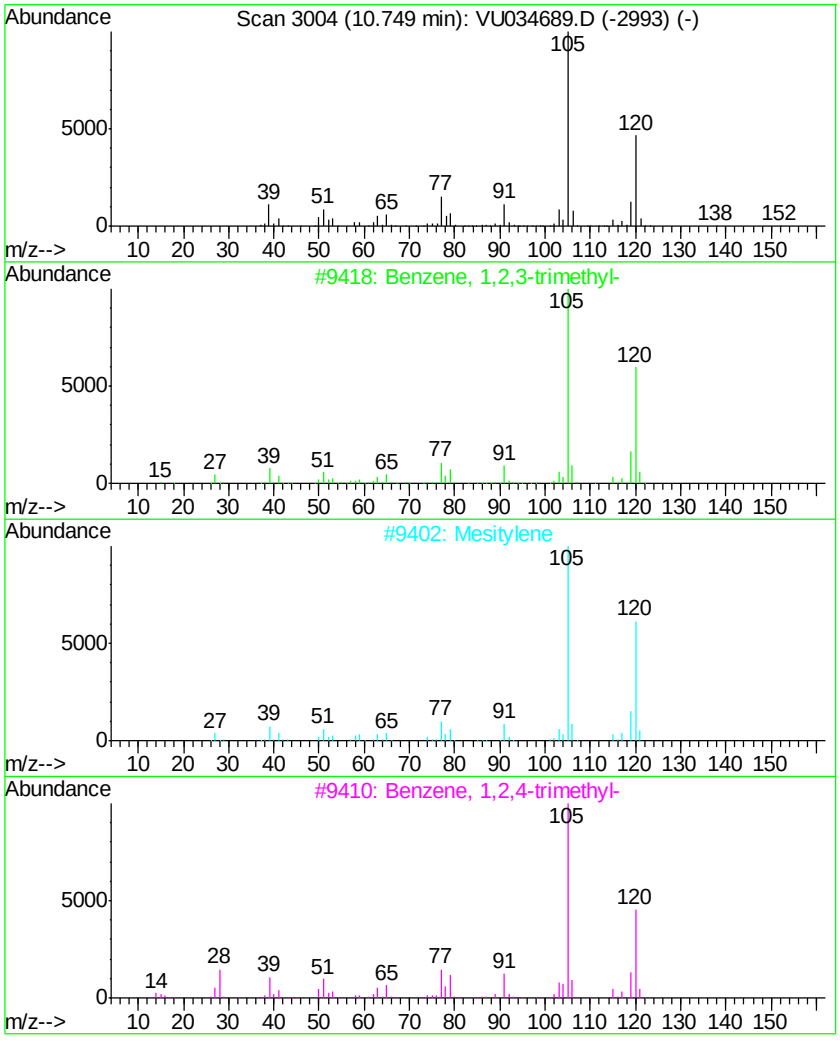
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

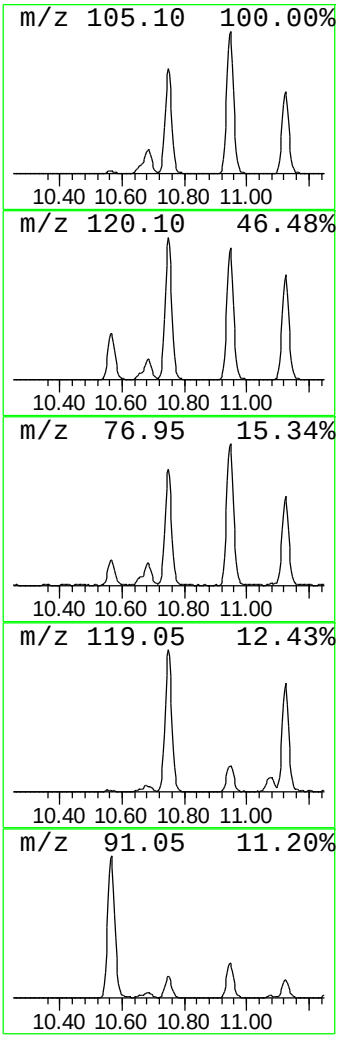
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	42.30 ug/L	994506	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

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Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

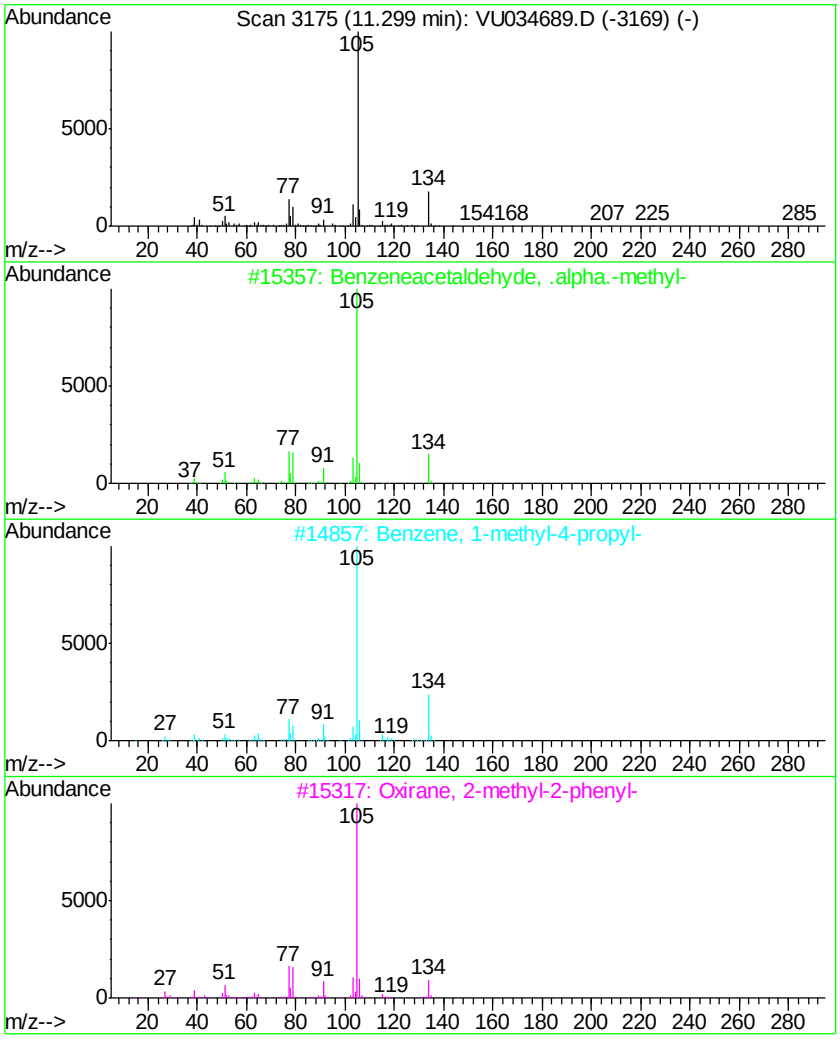
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

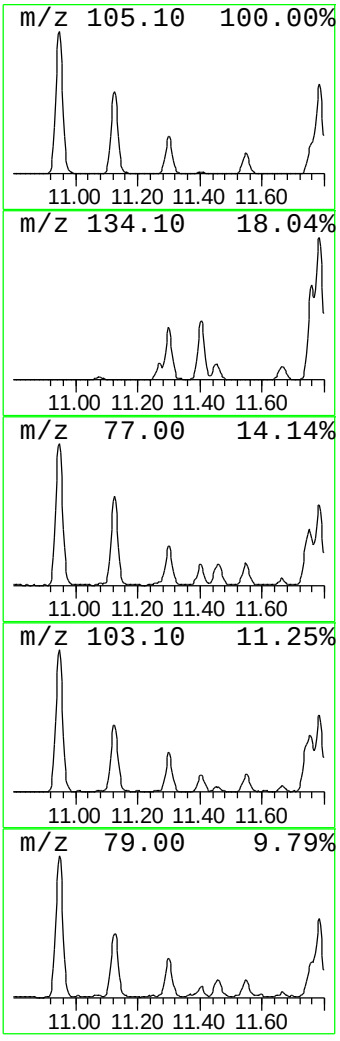
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzeneacetaldehyde, .alpha... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	14.14 ug/L	332499	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
3	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	86
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72





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Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

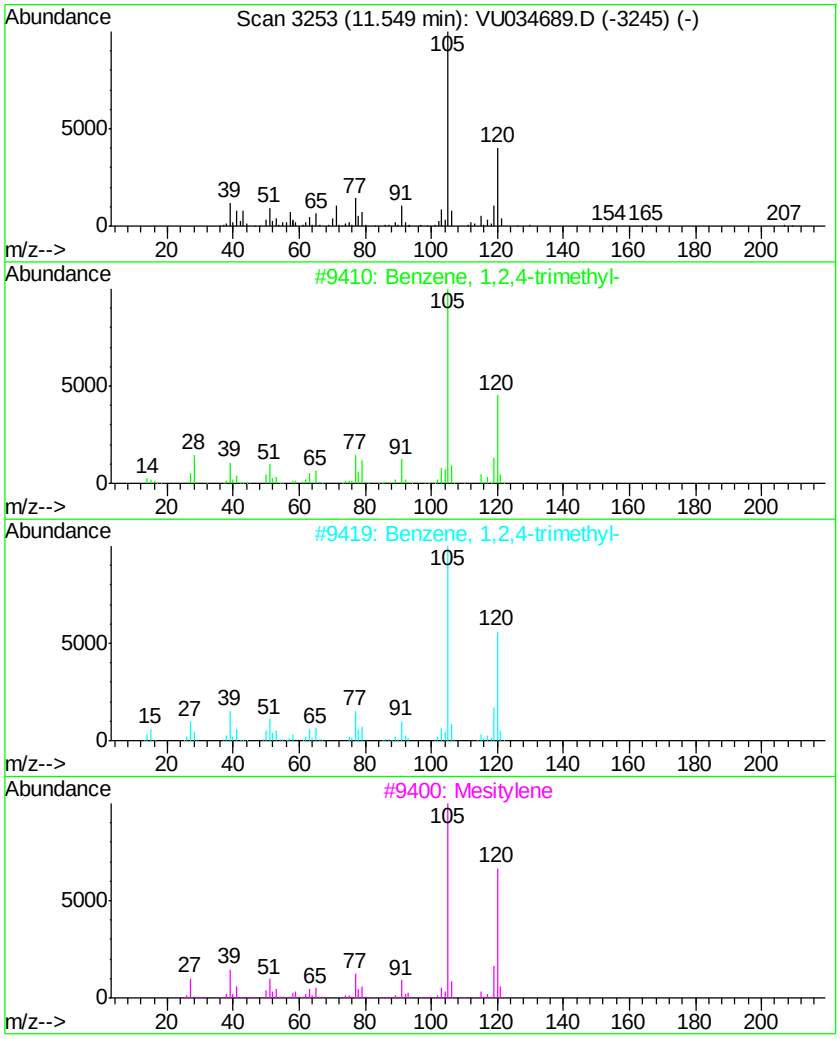
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

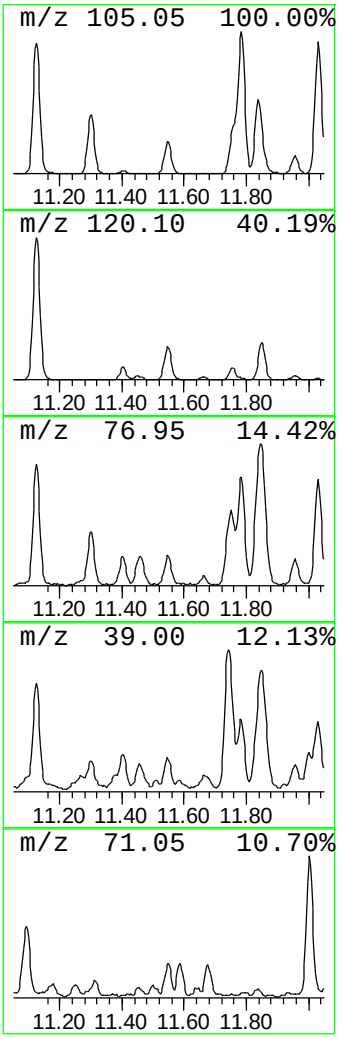
****

Peak Number 12 Benzene, 1,2,4-trimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	7.94 ug/L	186680	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

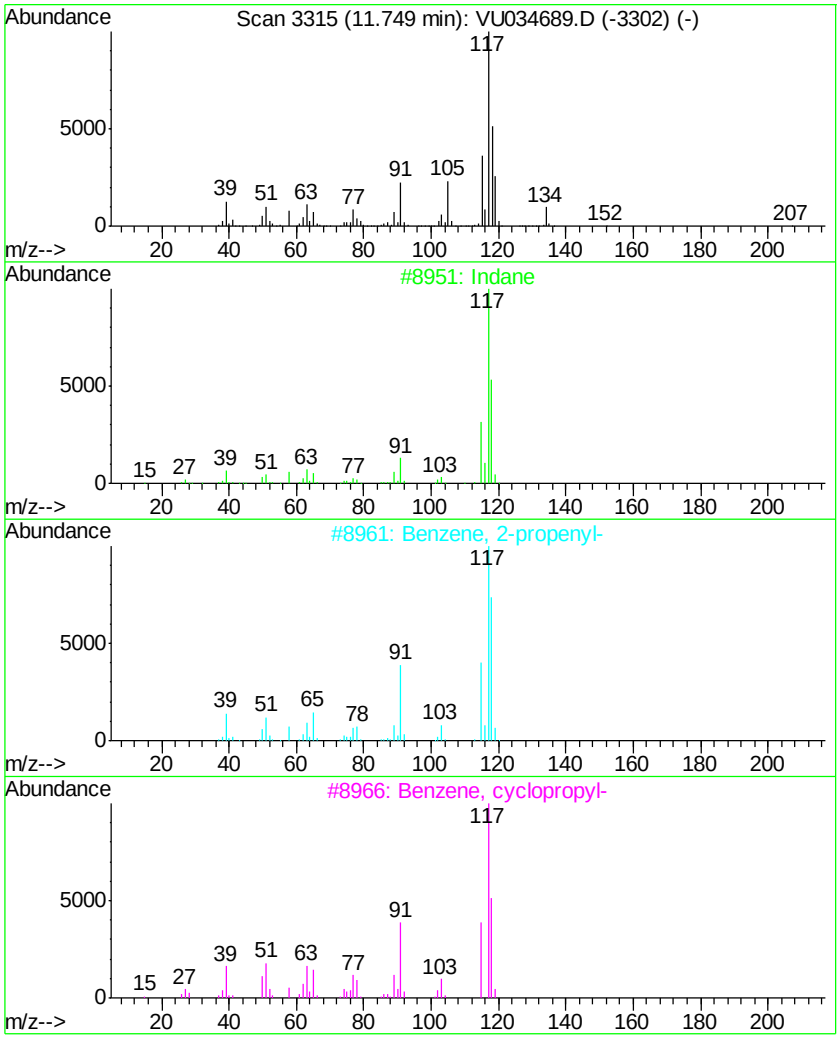
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

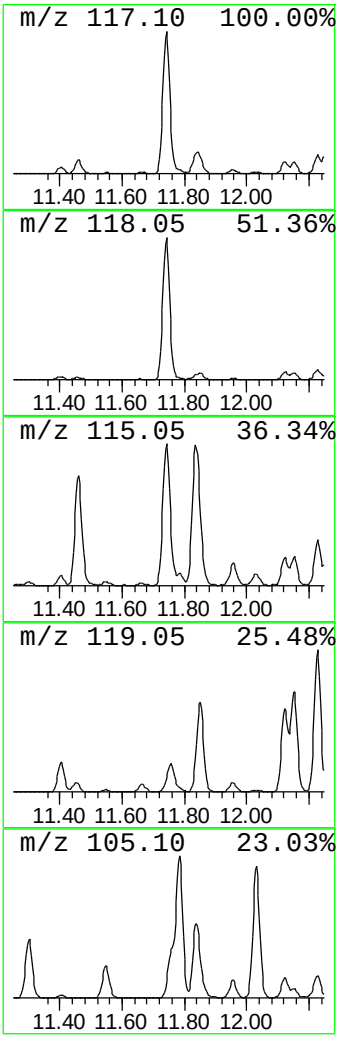
****

Peak Number 13 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	66.26 ug/L	1557970	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Indane	118	C9H10	000496-11-7	70
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	62





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Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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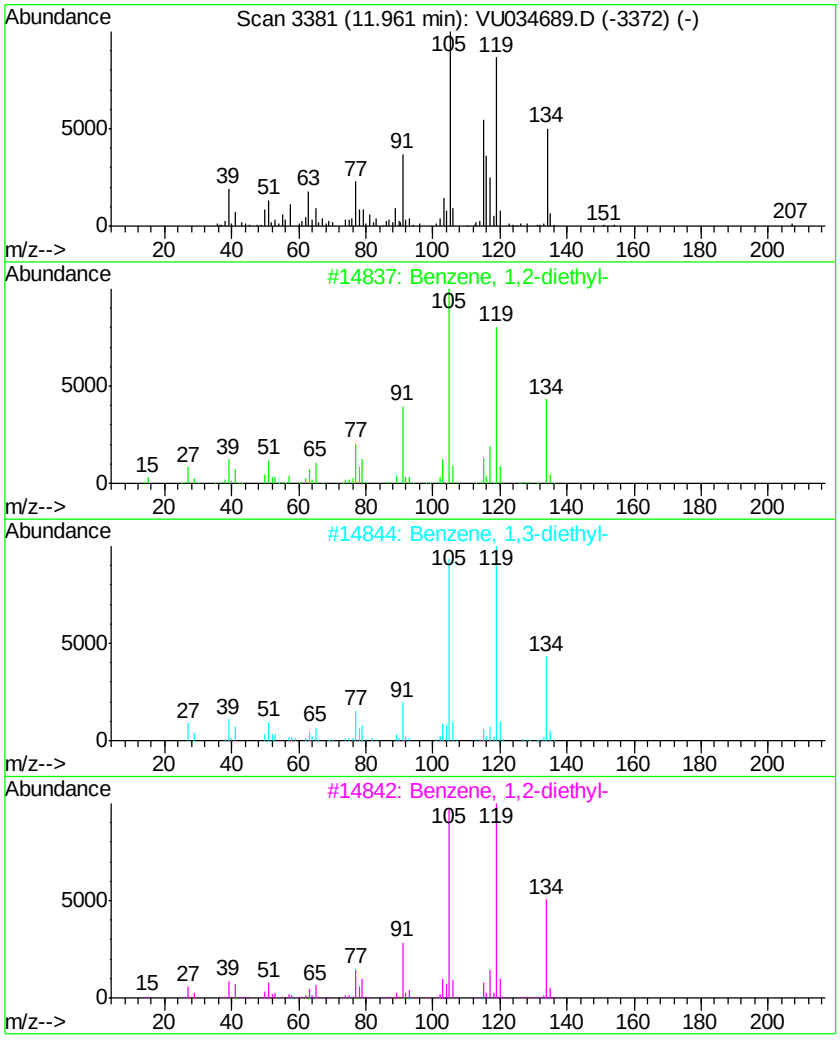
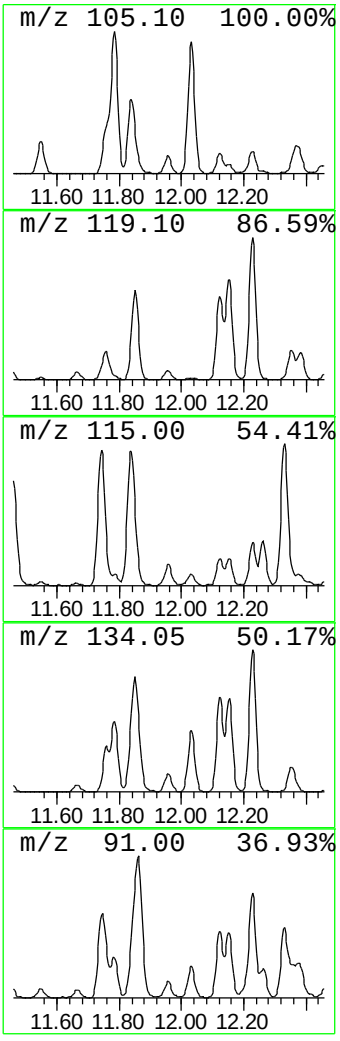
Peak Number 14 Benzene, 1,2-diethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	9.07 ug/L	213168	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	89
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	70
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	70
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	70
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	64





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Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

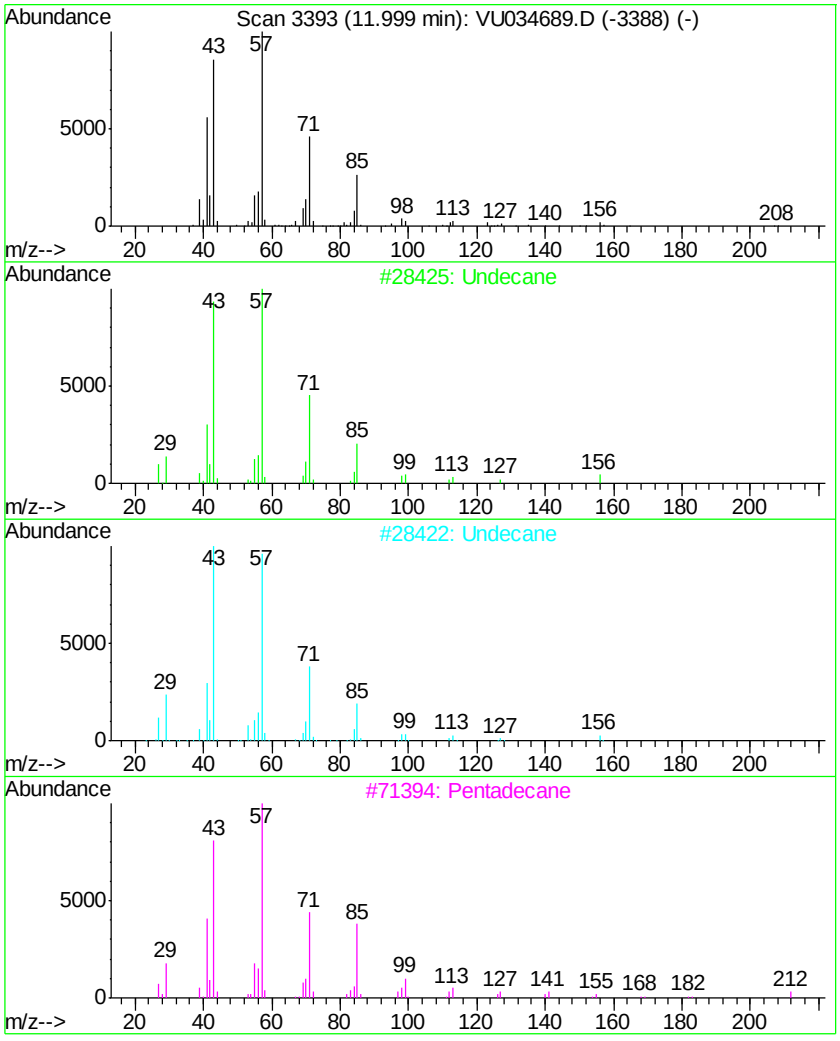
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

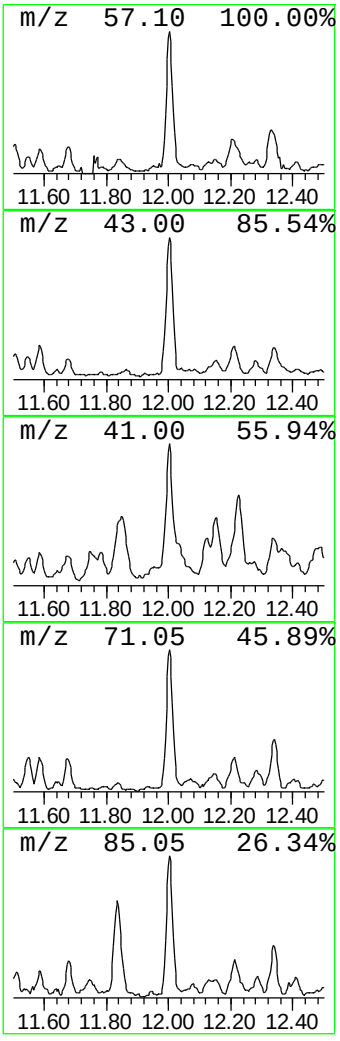
****

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	8.98 ug/L	211135	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Undecane	156	C11H24	001120-21-4	90
3	Pentadecane	212	C15H32	000629-62-9	78
4	Tridecane	184	C13H28	000629-50-5	78
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	72





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Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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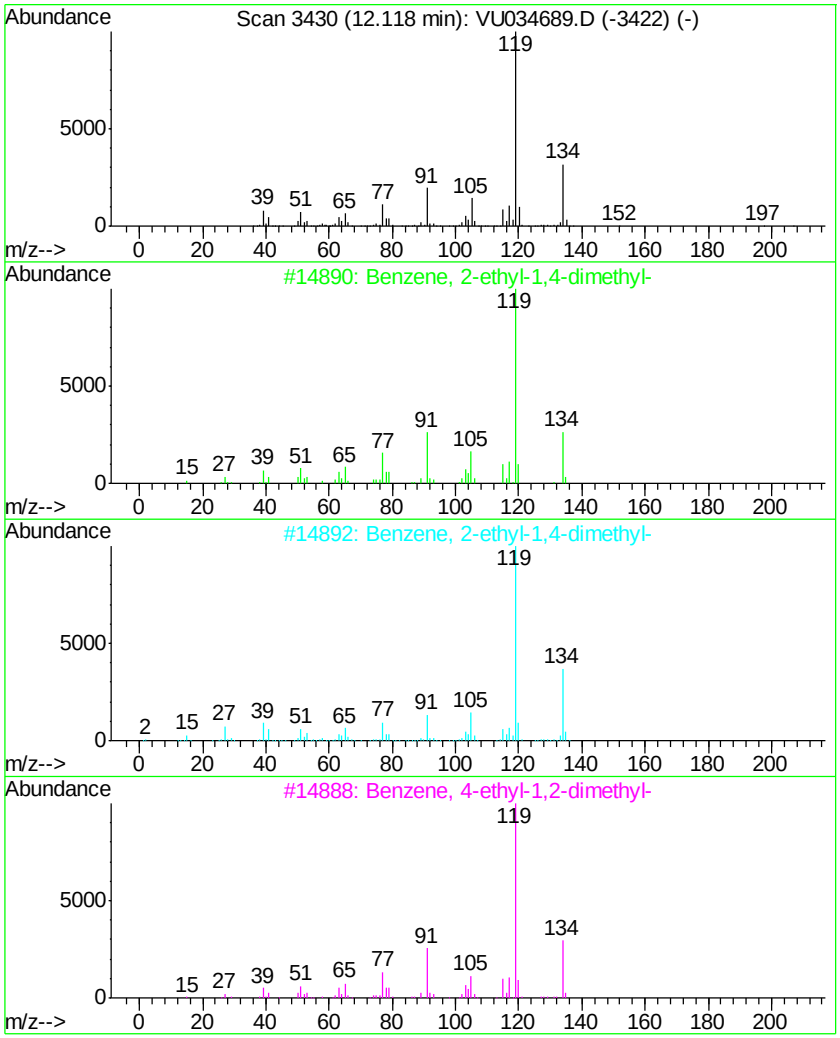
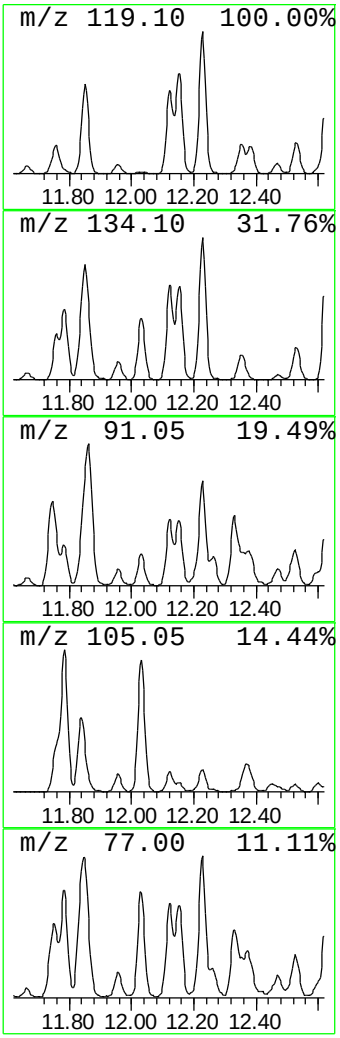
Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	35.44 ug/L	833375	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Library Search Compound Report

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Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

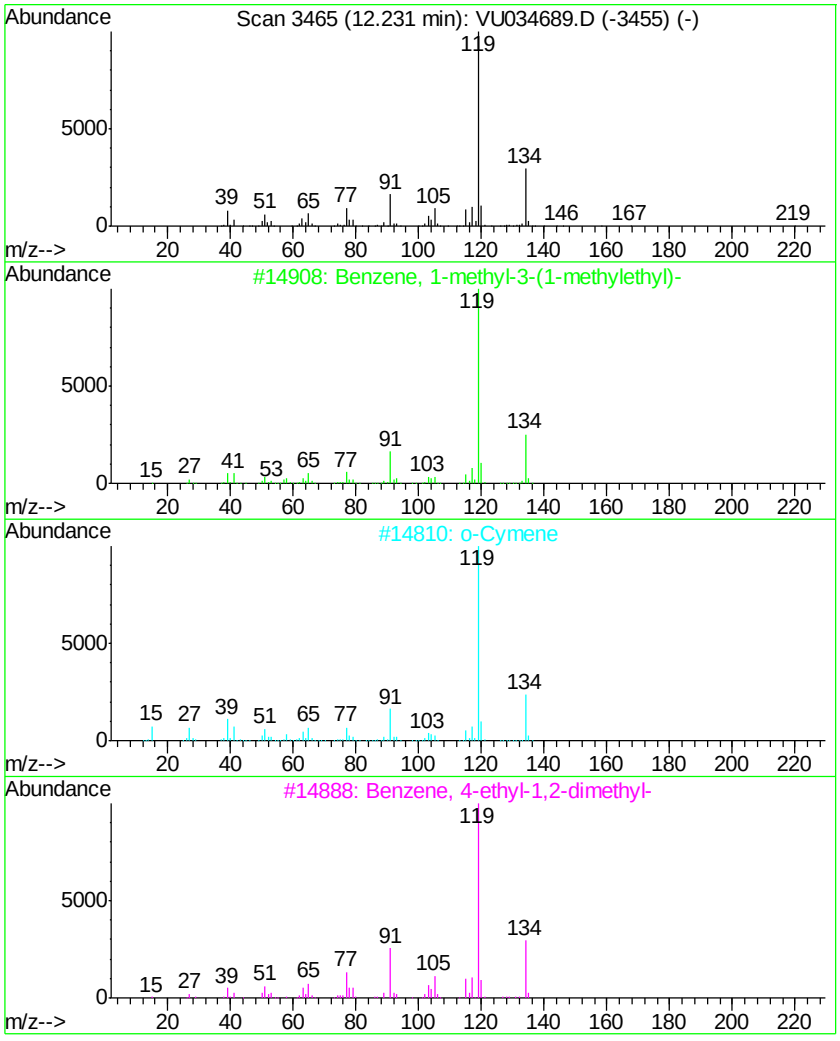
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

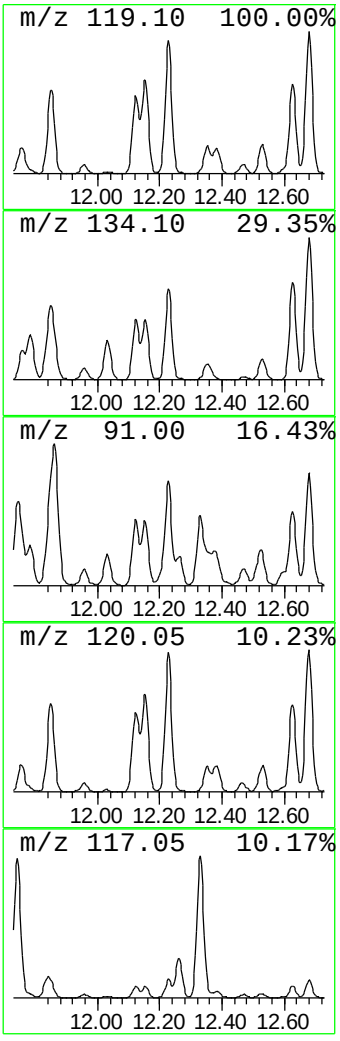
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-methyl-3-(1-meth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	51.09 ug/L	1201290	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	p-Cymene	134	C10H14	000099-87-6	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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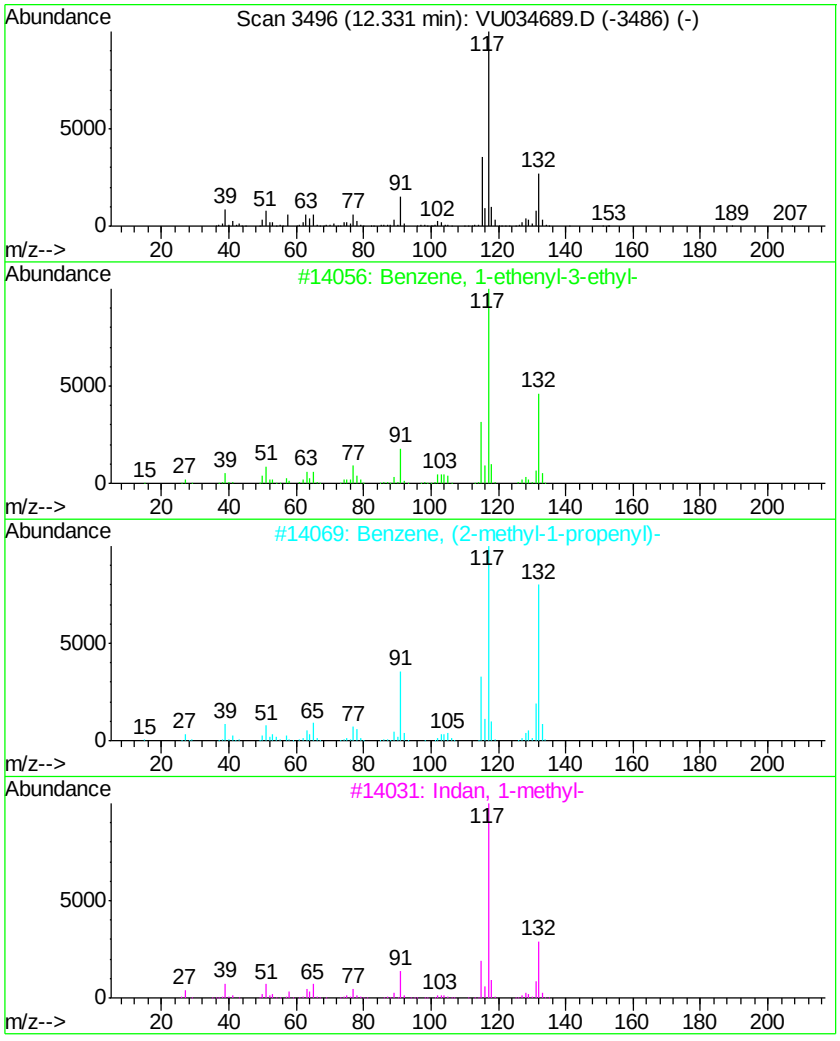
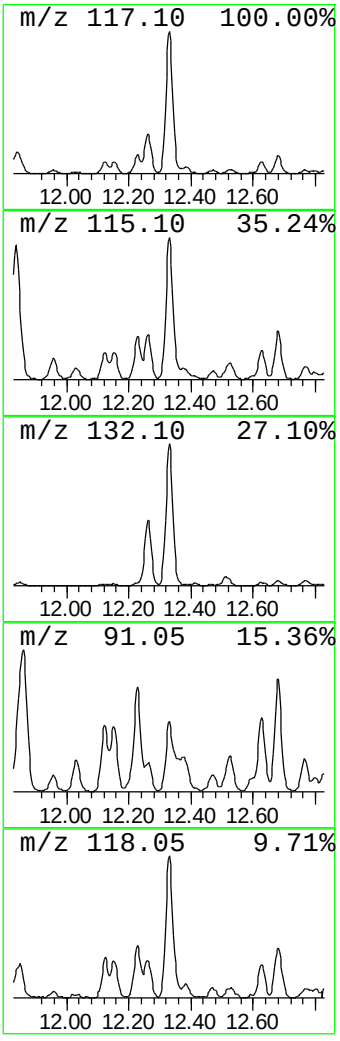
Peak Number 18 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	62.15 ug/L	1461340	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86





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Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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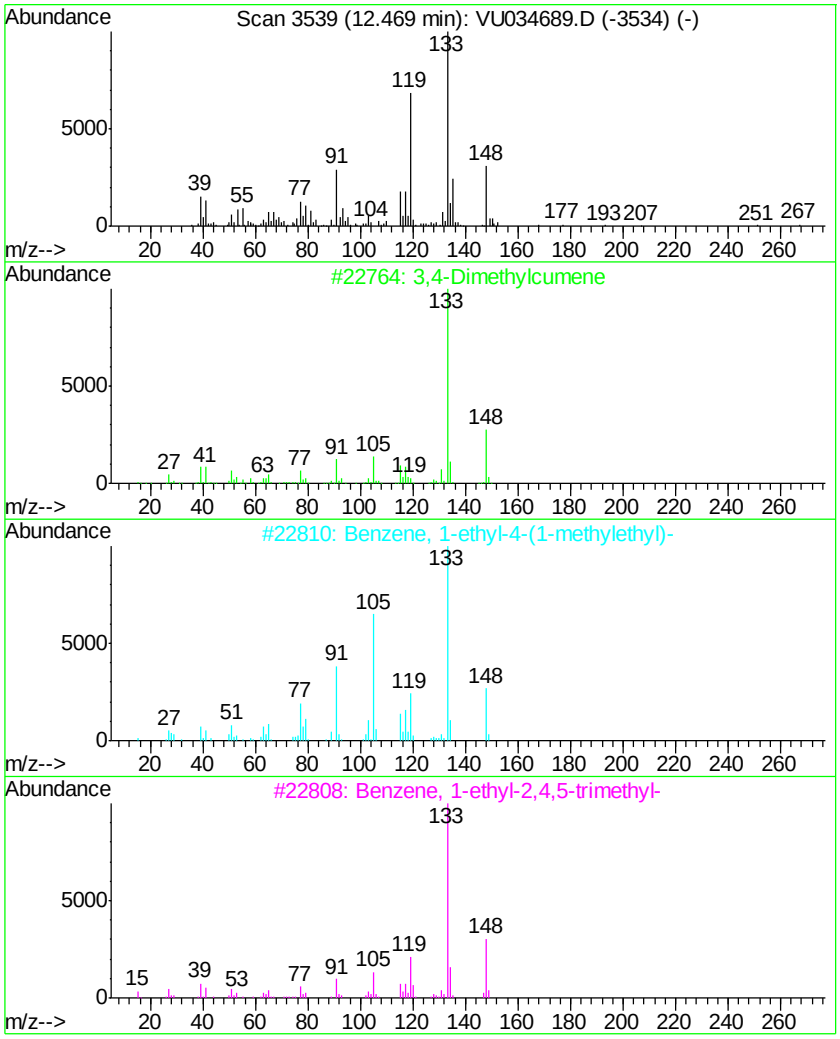
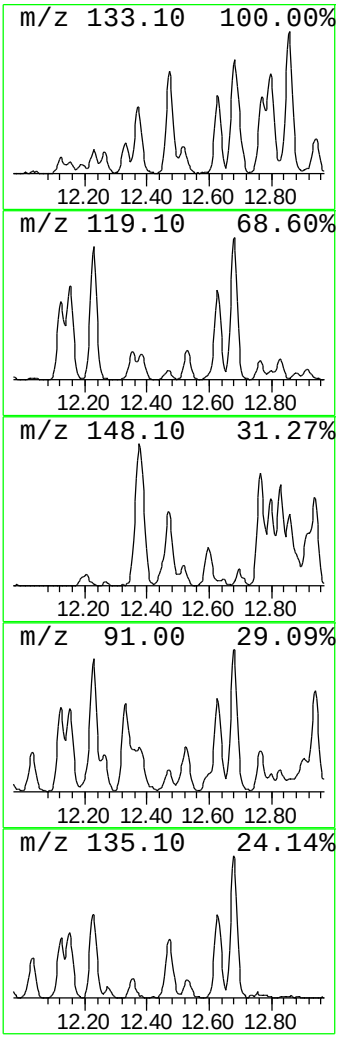
Peak Number 19 3,4-Dimethylcumene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	7.39 ug/L	173701	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcumene	148	C11H16	1000370-34-1	64
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
3	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	53
5	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	53





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Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

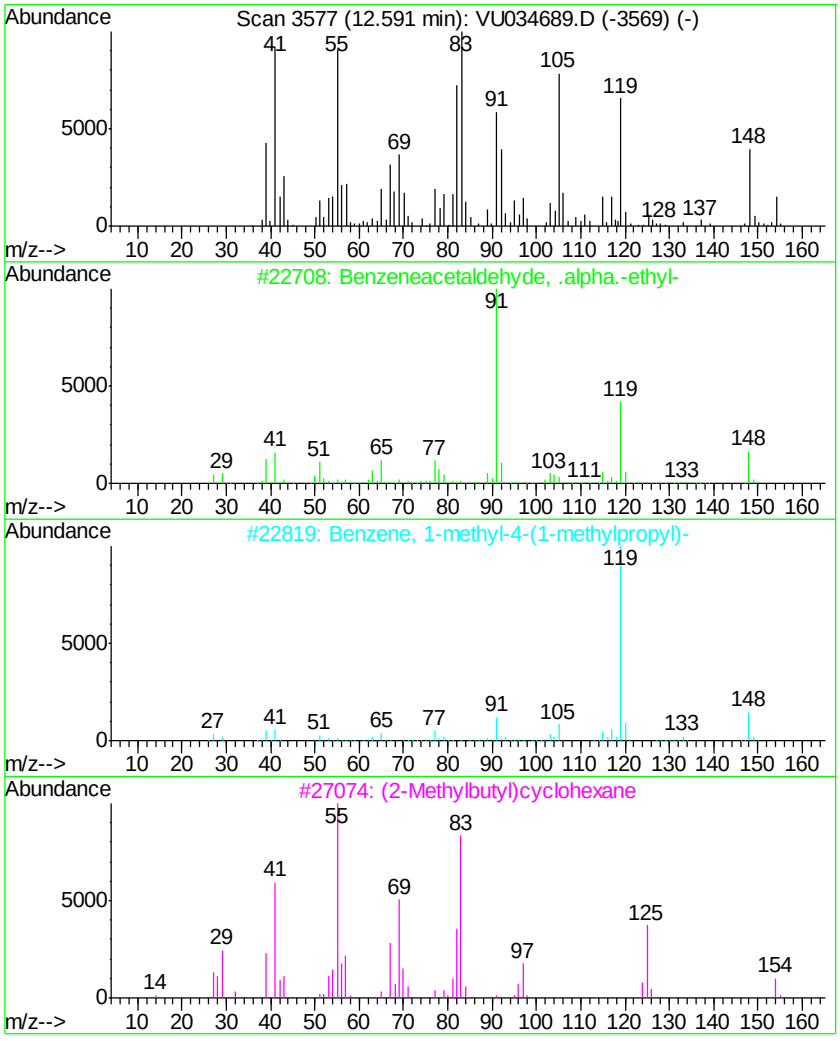
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

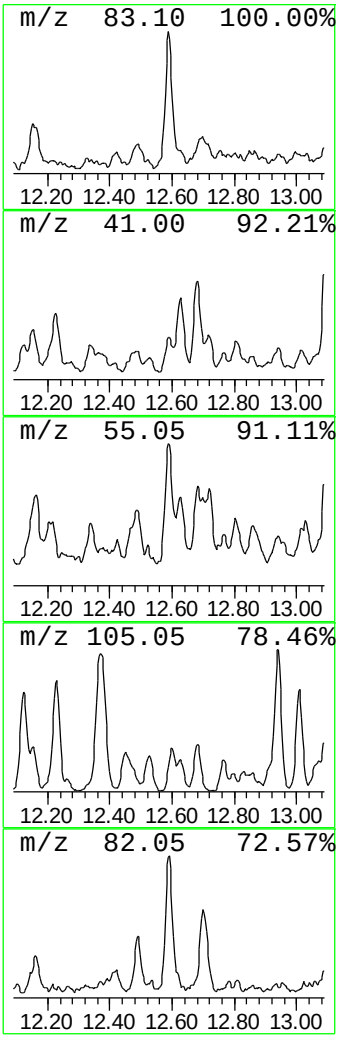
****

Peak Number 20 unknown-03 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	7.78 ug/L	183032	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-ethyl-	148	C10H12O	002439-43-2	38
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	38
3	(2-Methylbutyl)cyclohexane	154	C11H22	054105-77-0	35
4	o-Cymene	134	C10H14	000527-84-4	35
5	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	30





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Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

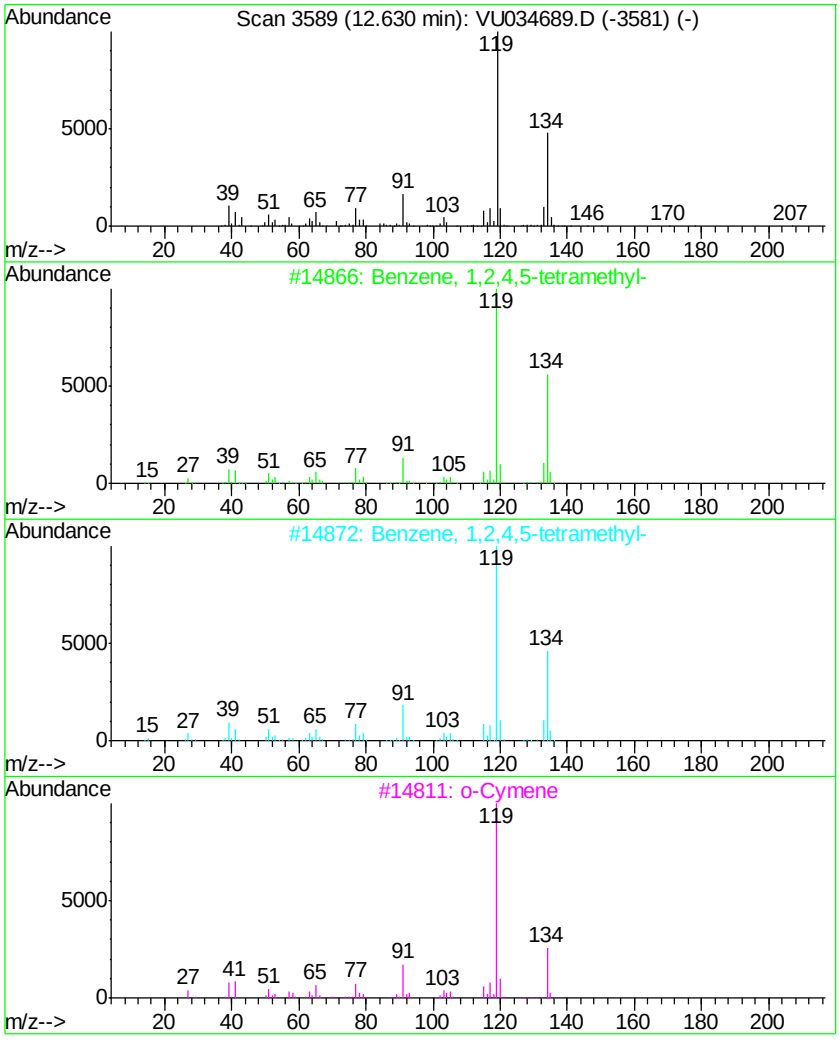
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

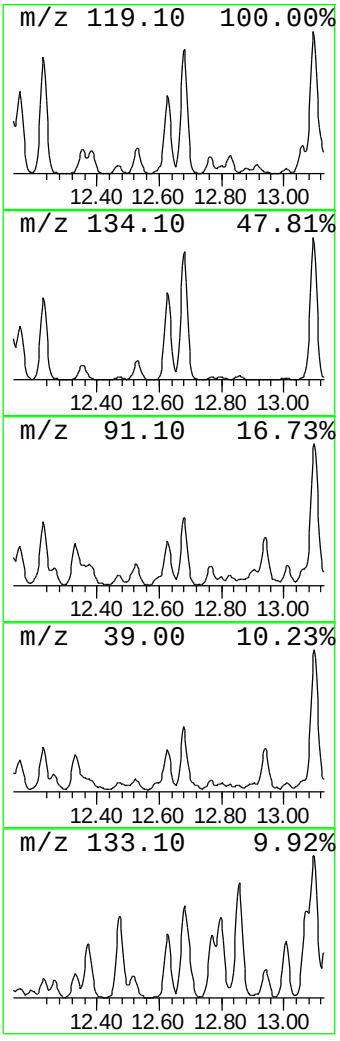
****

Peak Number 21 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	43.58 ug/L	1024810	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





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Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

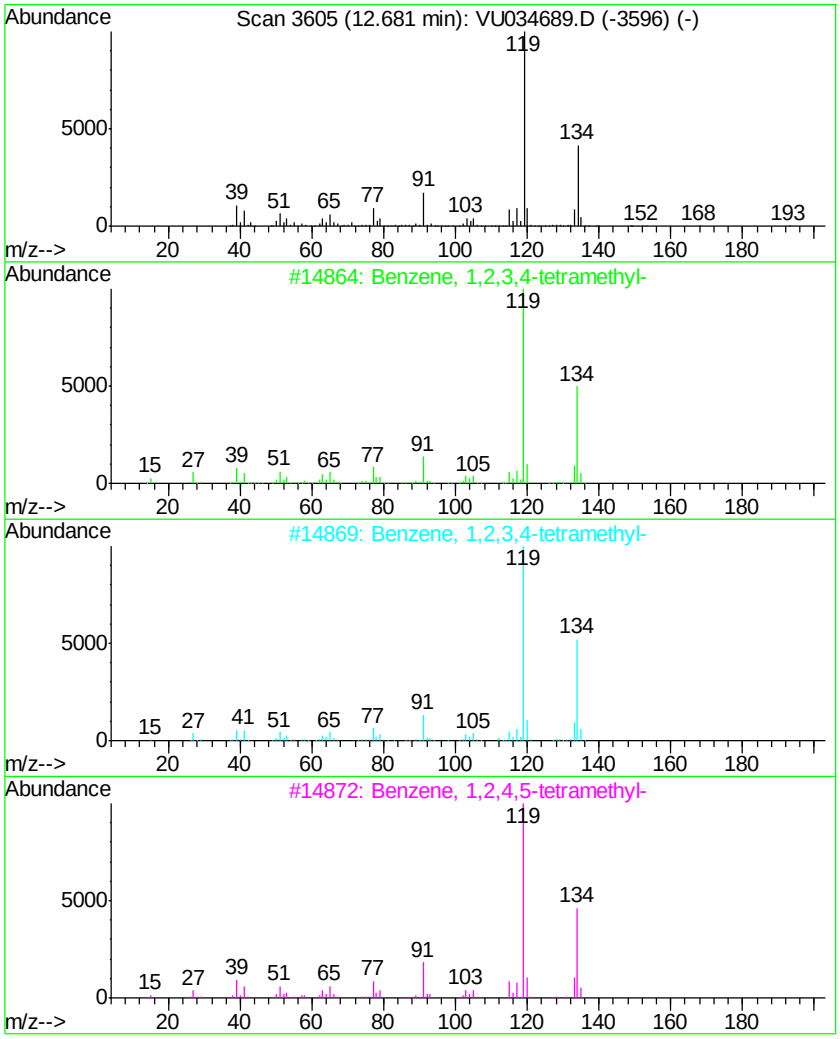
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

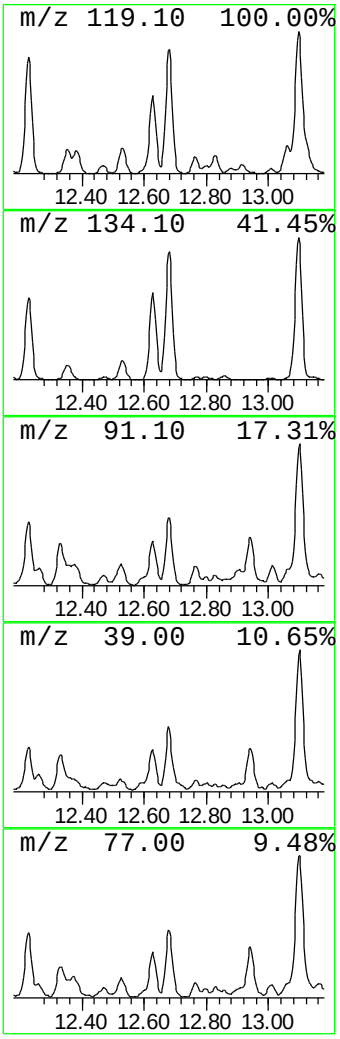
****

Peak Number 22 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	72.02 ug/L	1693540	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

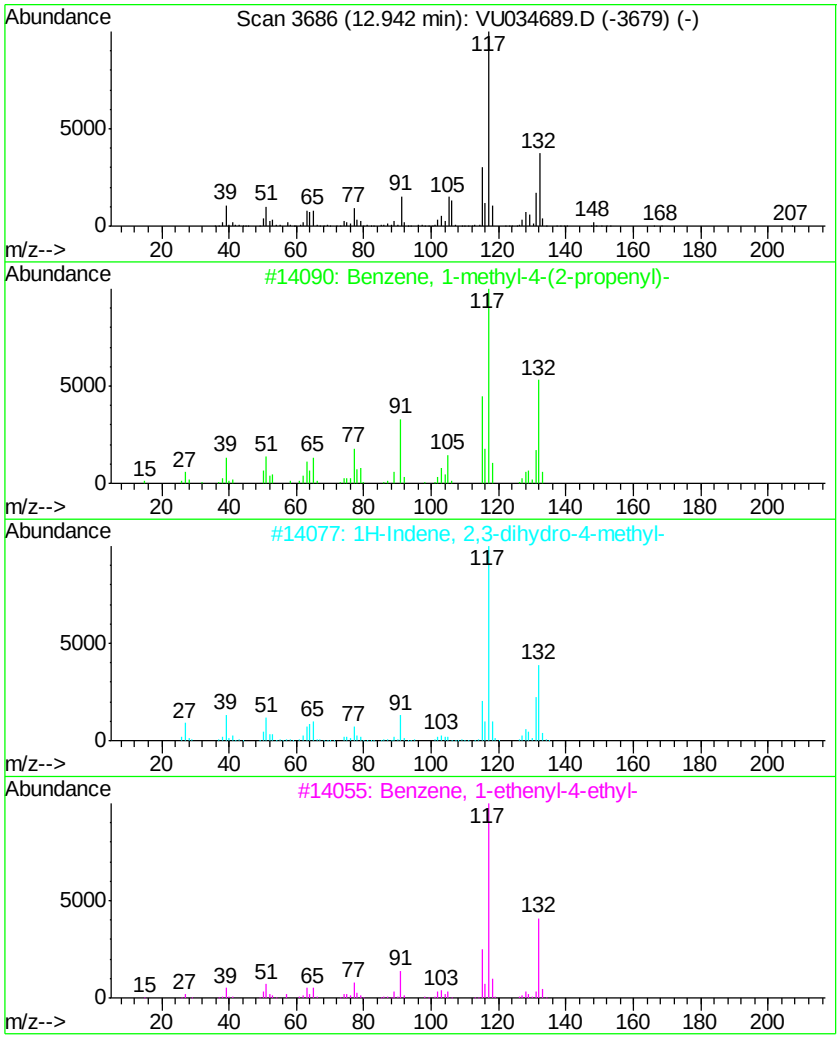
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

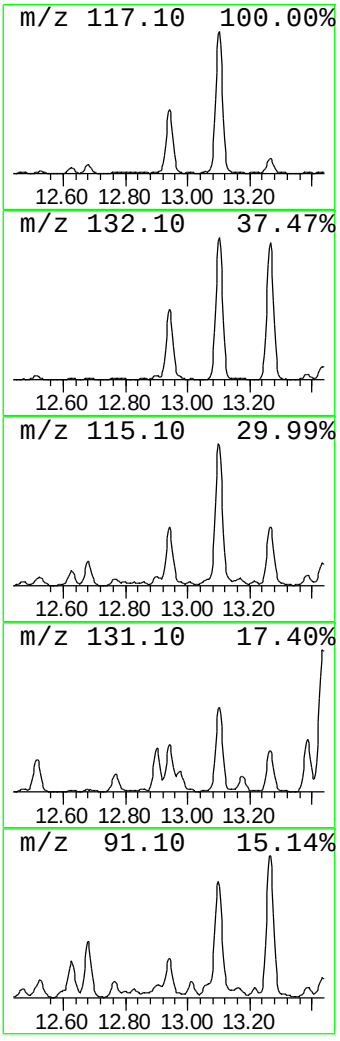
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1-methyl-4-(2-prop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	54.58 ug/L	1283270	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	93
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	93
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

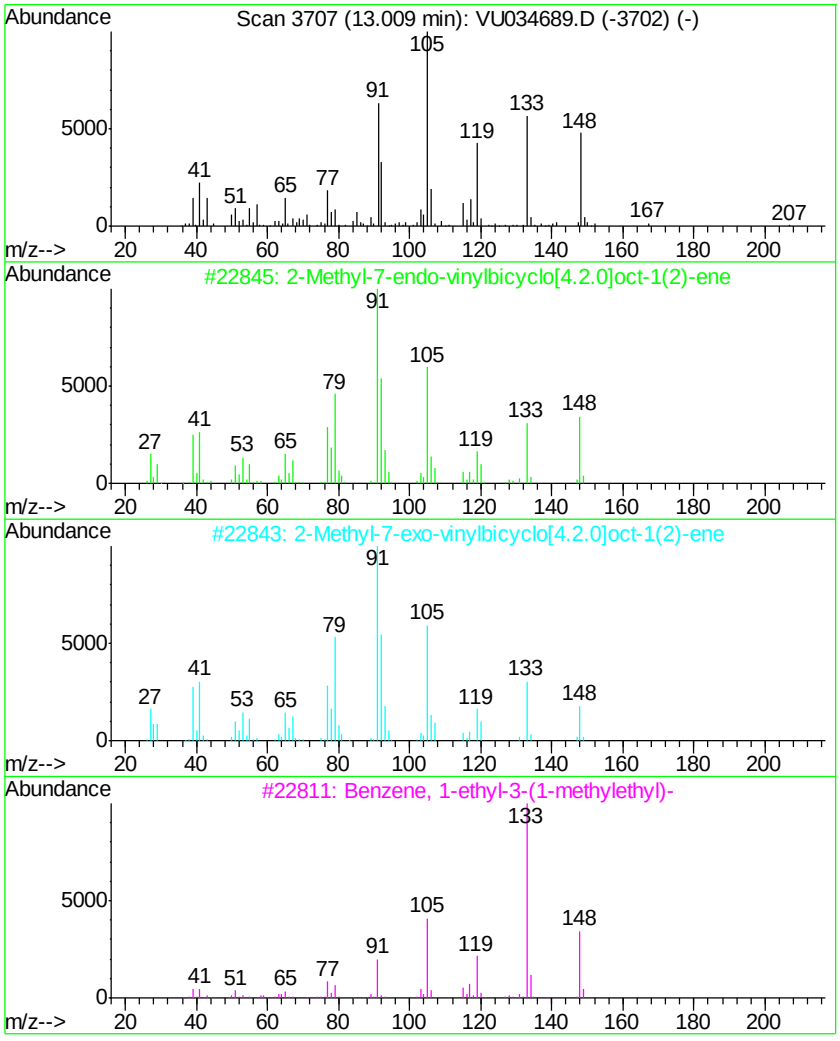
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

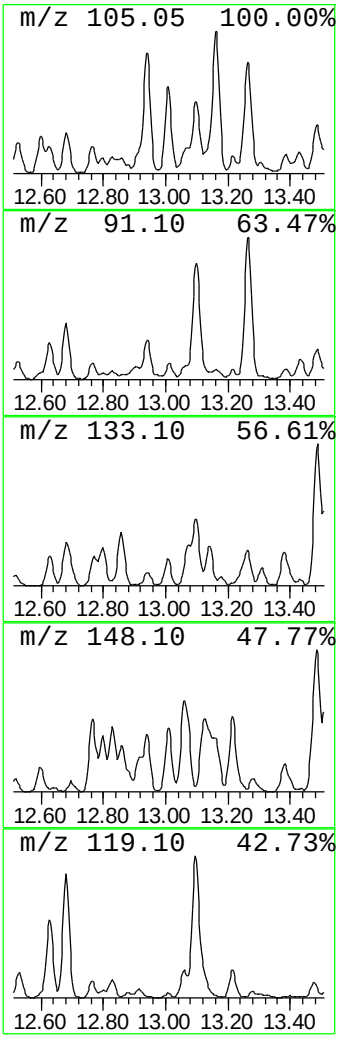
****

Peak Number 25 2-Methyl-7-endo-vinylbicycl... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	7.09 ug/L	166697	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-7-endo-vinylbicyclo[4.2...	148	C11H16	1000200-99-1	72
2	2-Methyl-7-exo-vinylbicyclo[4.2....	148	C11H16	107914-89-6	64
3	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	46
5	Phenol, p-(2-methylallyl)-	148	C10H12O	033641-78-0	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

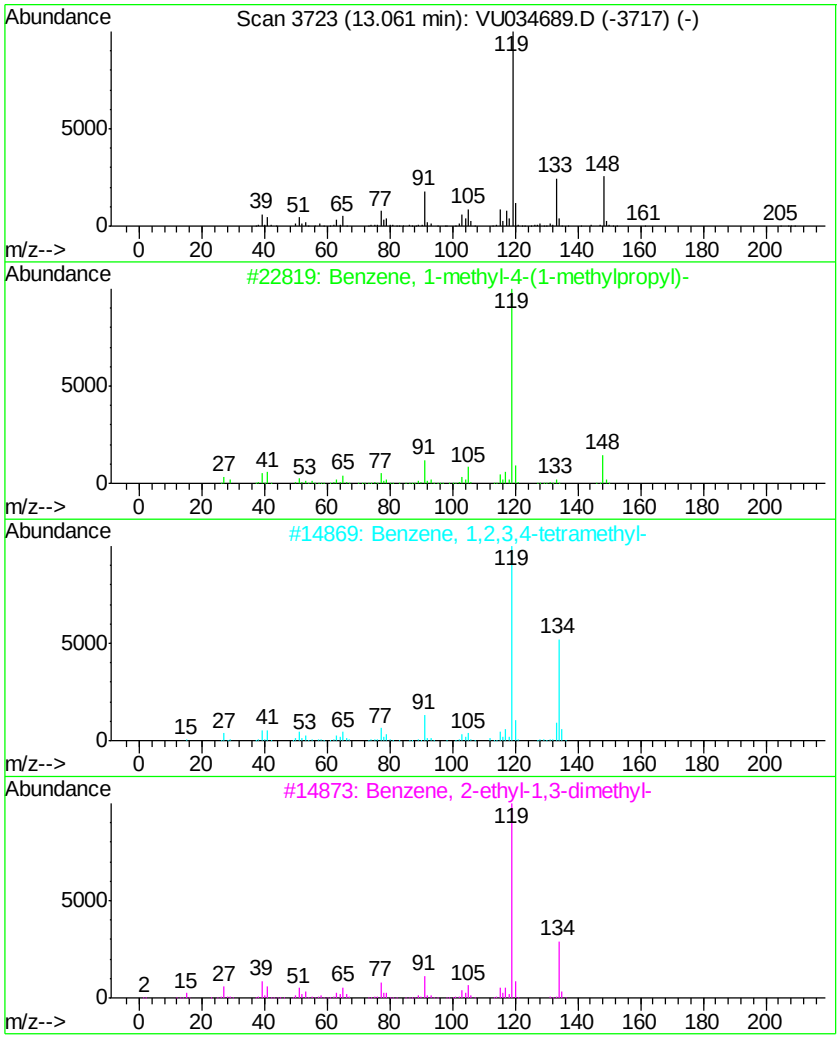
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

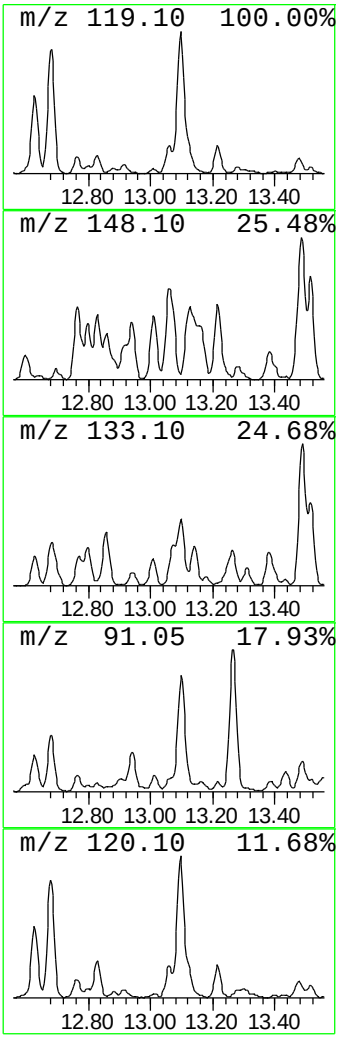
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 1-methyl-4-(1-meth... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	7.65 ug/L	179891	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	81
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

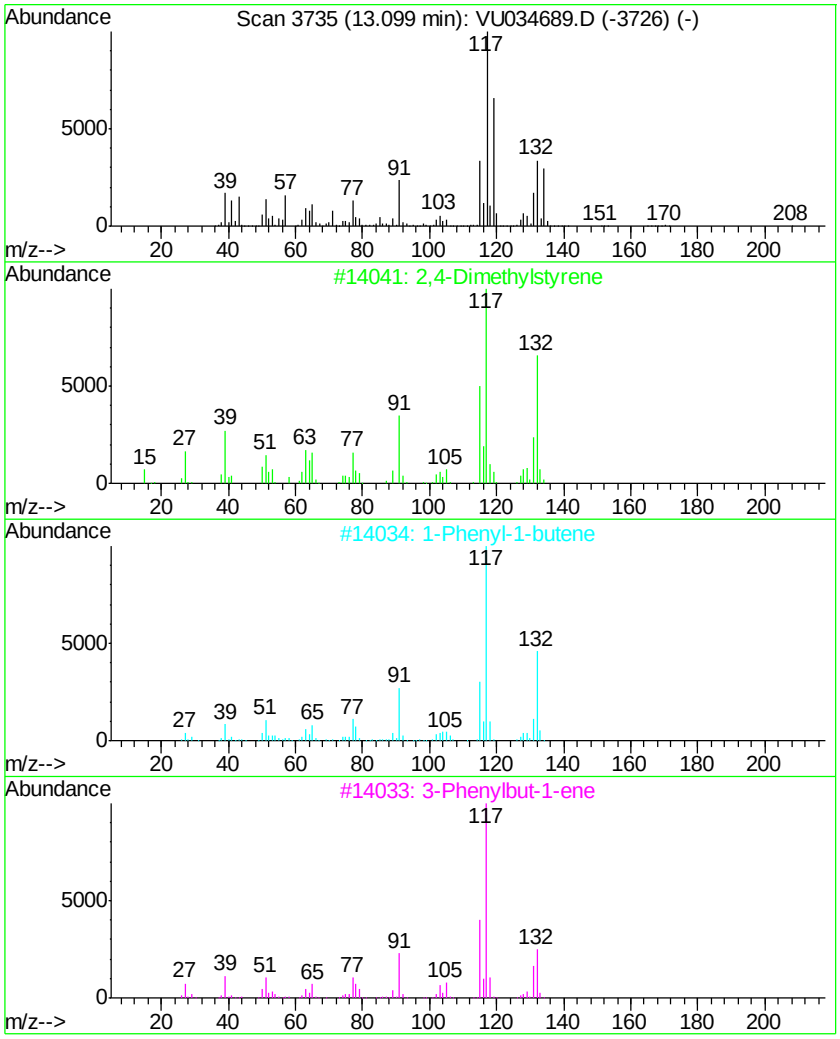
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

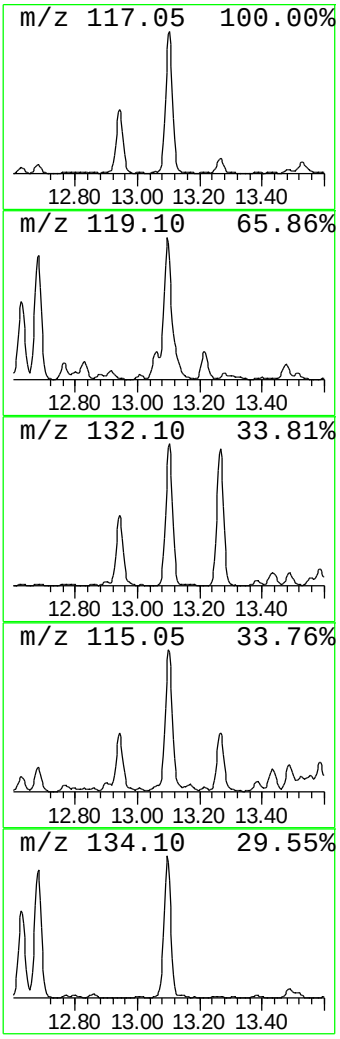
****

Peak Number 27 2,4-Dimethylstyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	187.24 ug/L	4402560	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	92
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	92
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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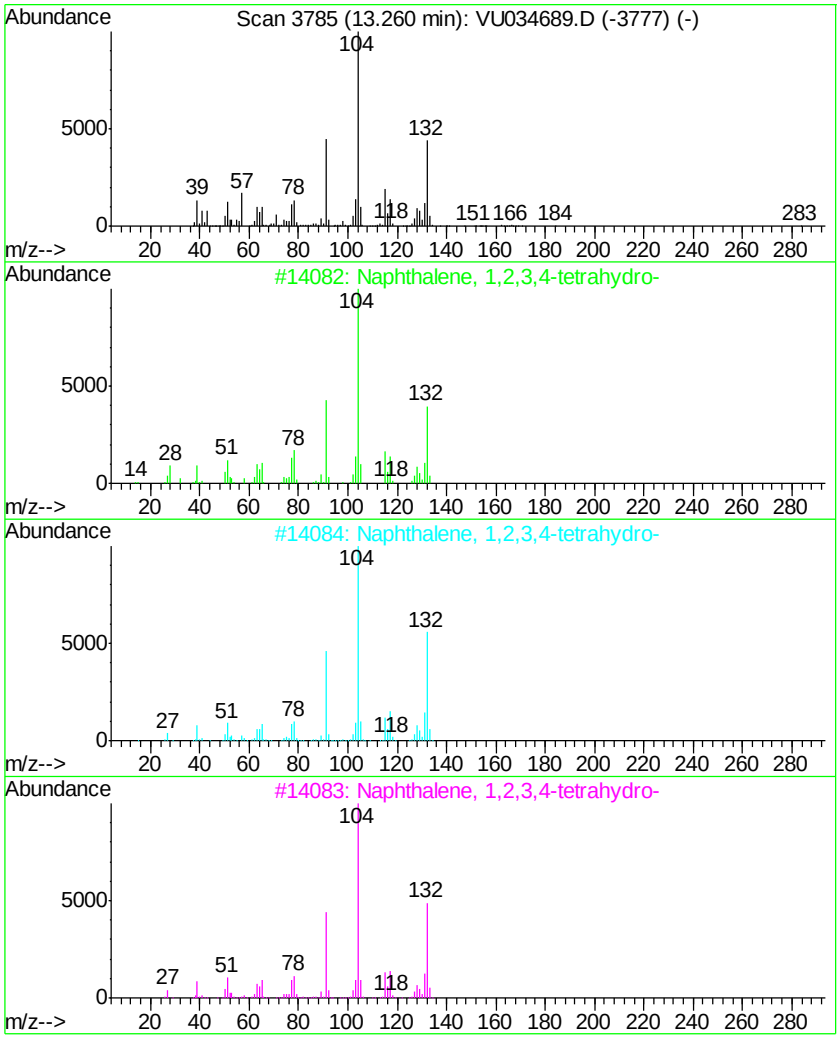
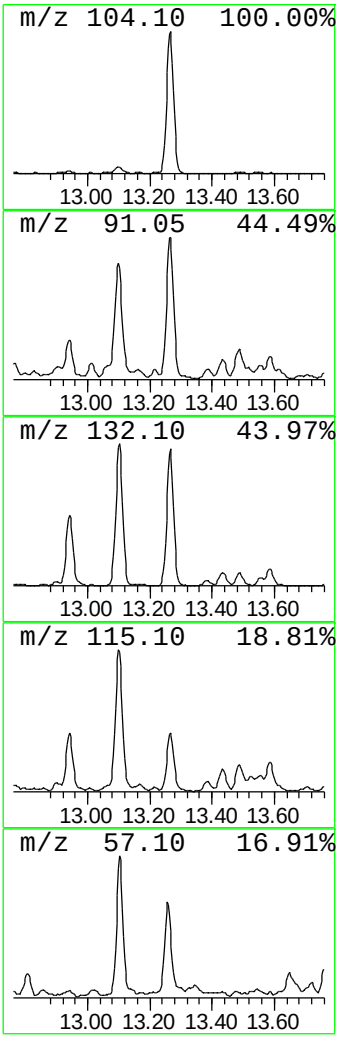
Peak Number 28 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	117.34 ug/L	2759160	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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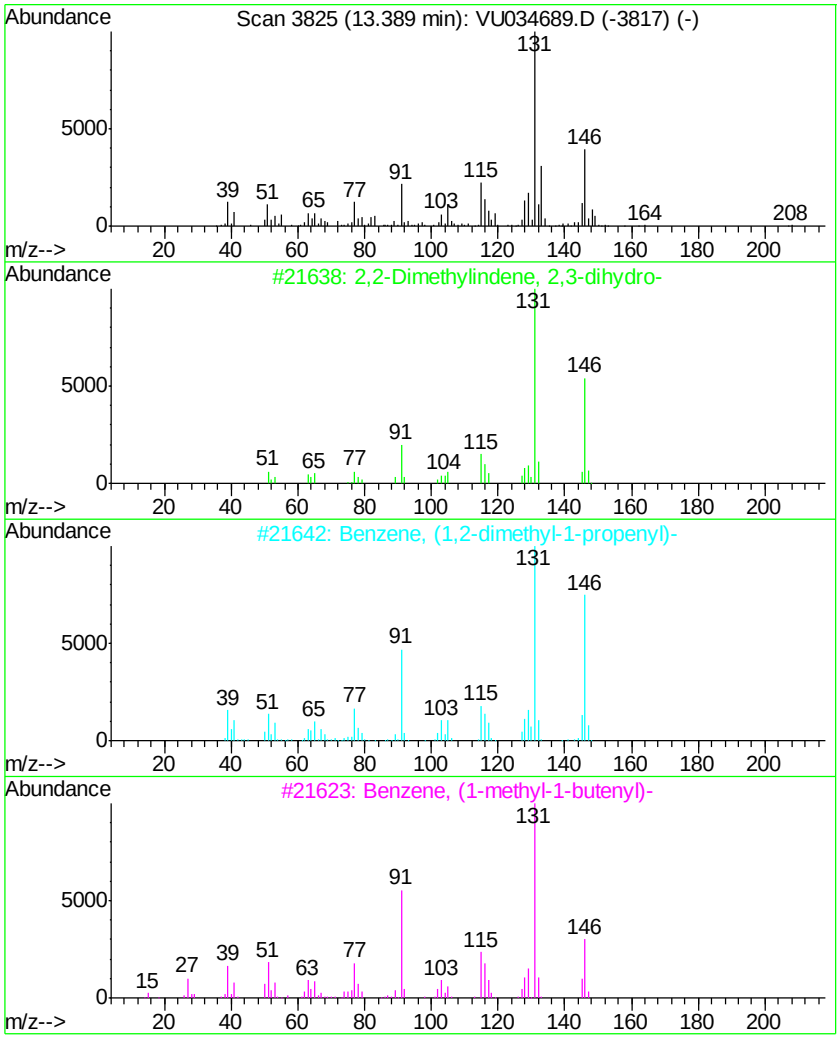
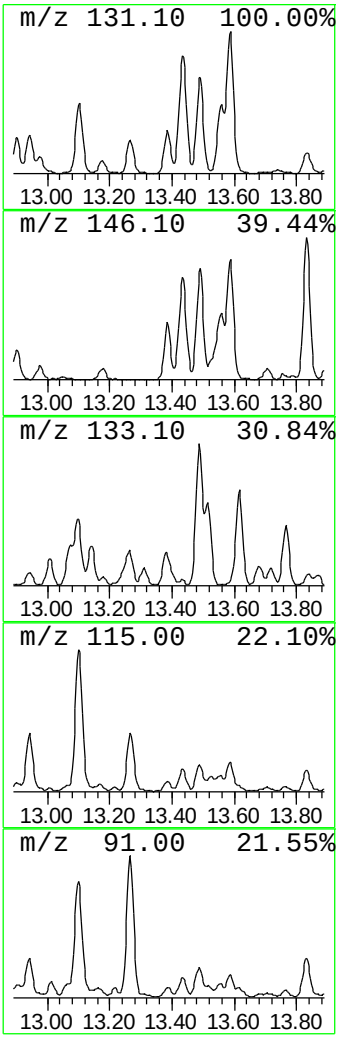
Peak Number 29 2,2-Dimethylindene, 2,3-dih... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	13.47 ug/L	316698	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91





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Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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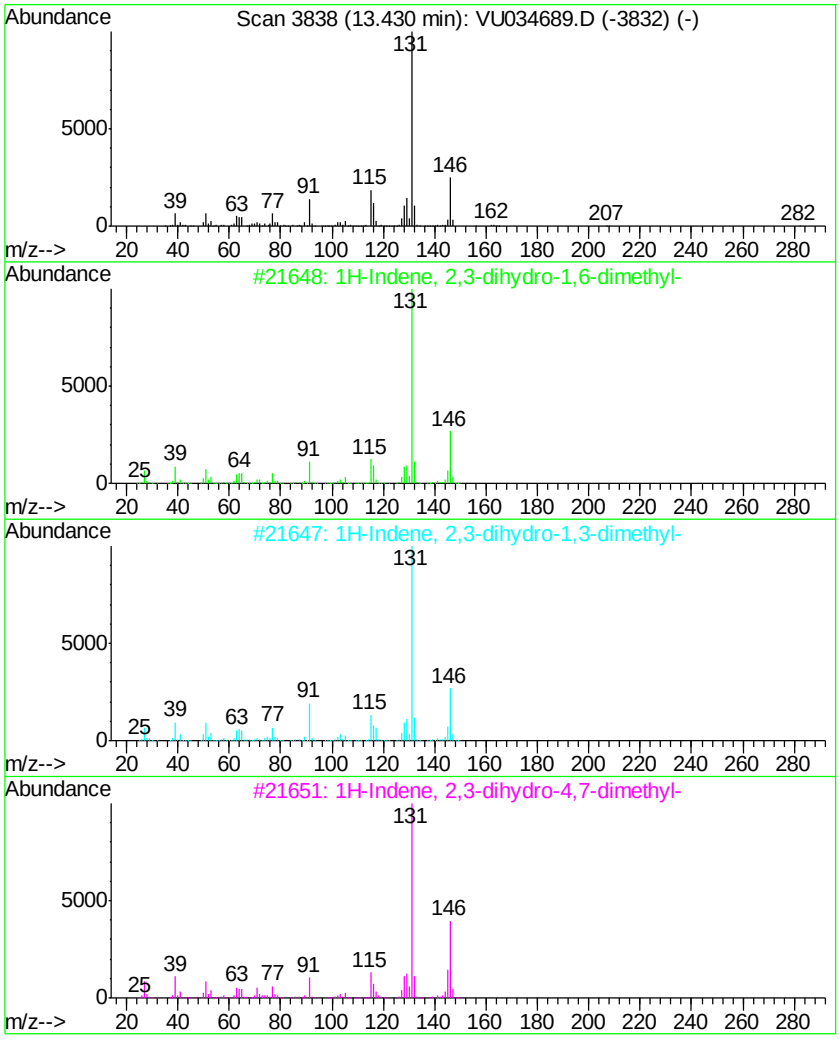
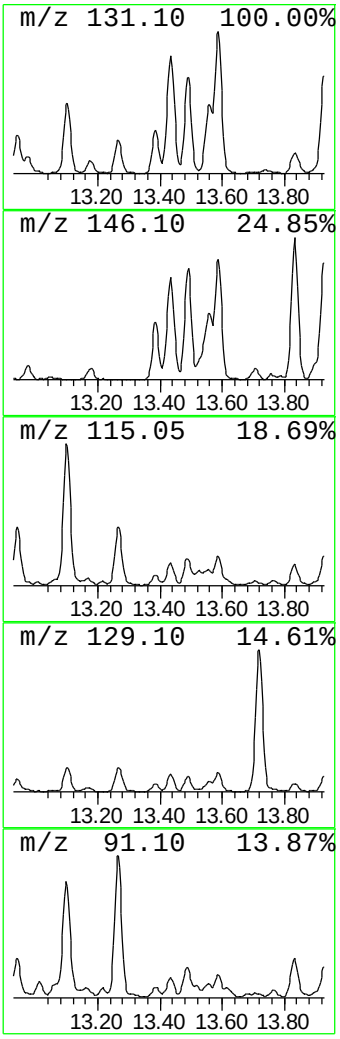
Peak Number 30 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	23.04 ug/L	541757	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





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Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

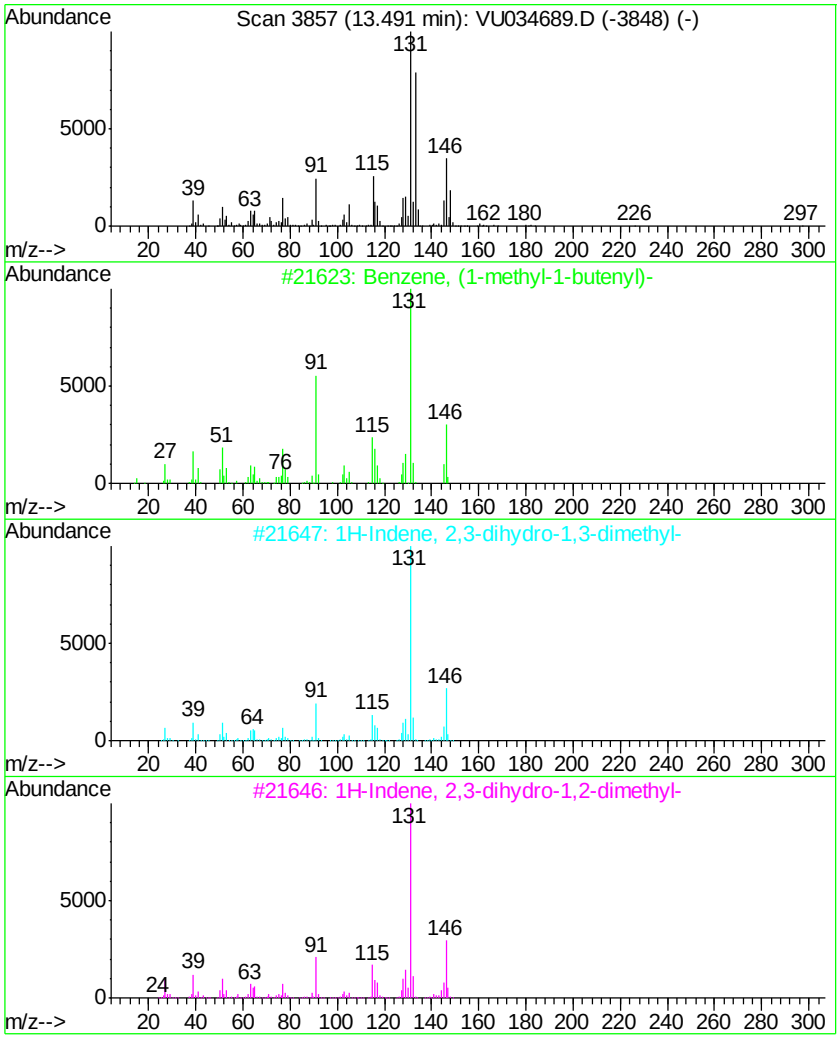
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

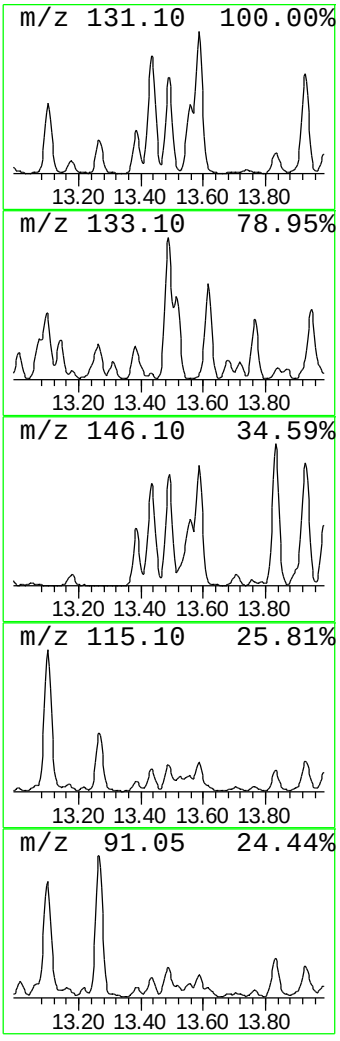
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, (1-methyl-1-butenyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	41.15 ug/L	967608	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

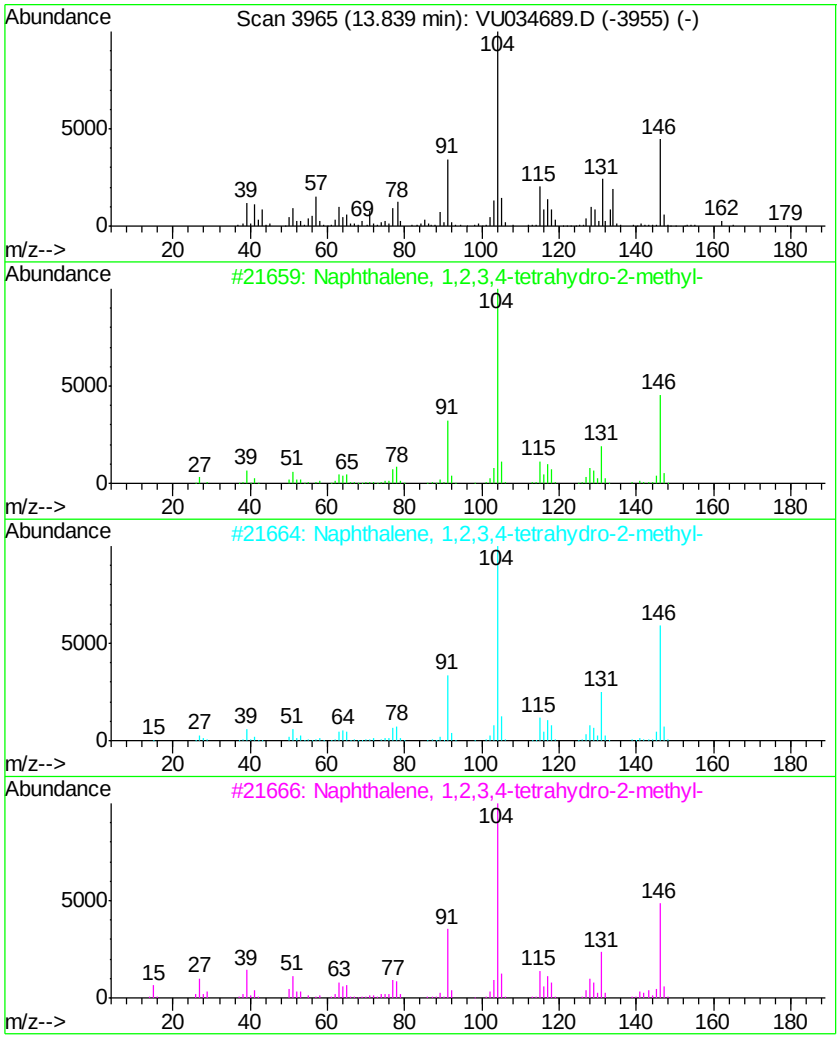
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

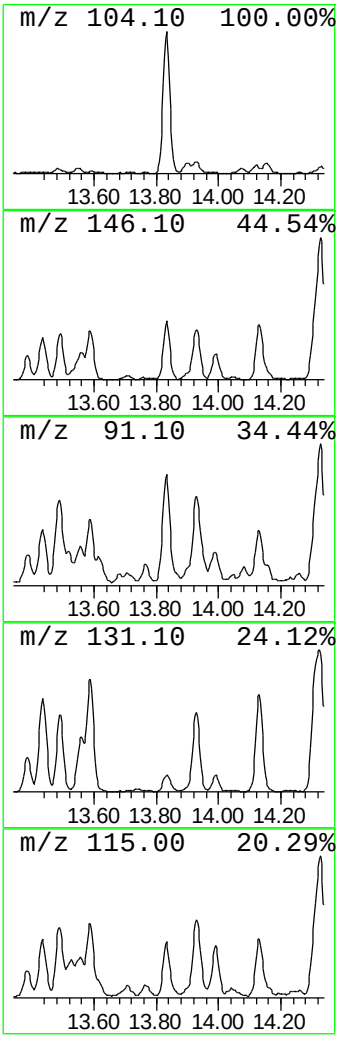
****

Peak Number 33 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	37.20 ug/L	874693	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	90
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	76
5	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

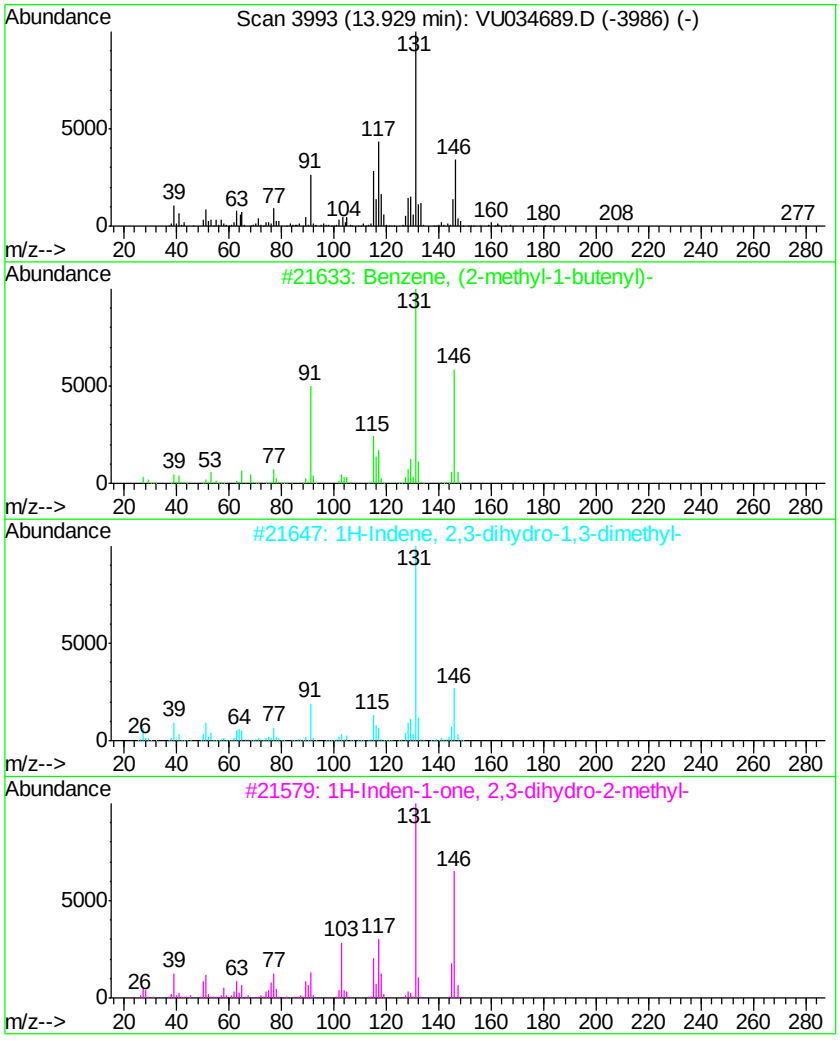
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

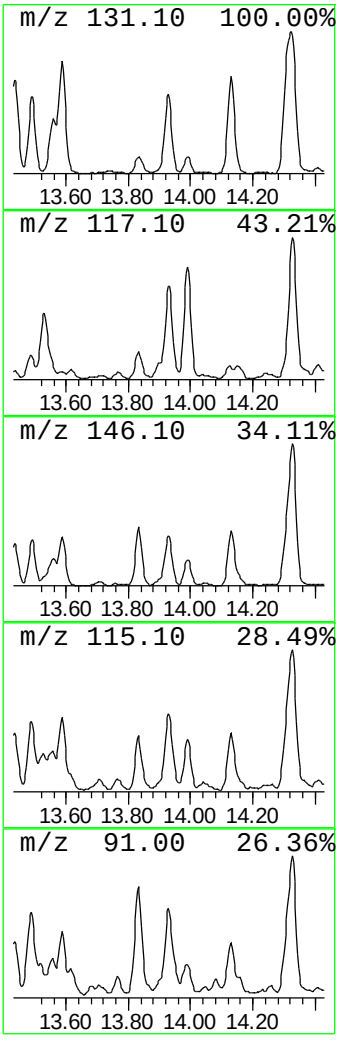
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, (2-methyl-1-butenyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	37.31 ug/L	877188	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	92
3	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	91
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	160	C12H16	078920-29-3	81
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

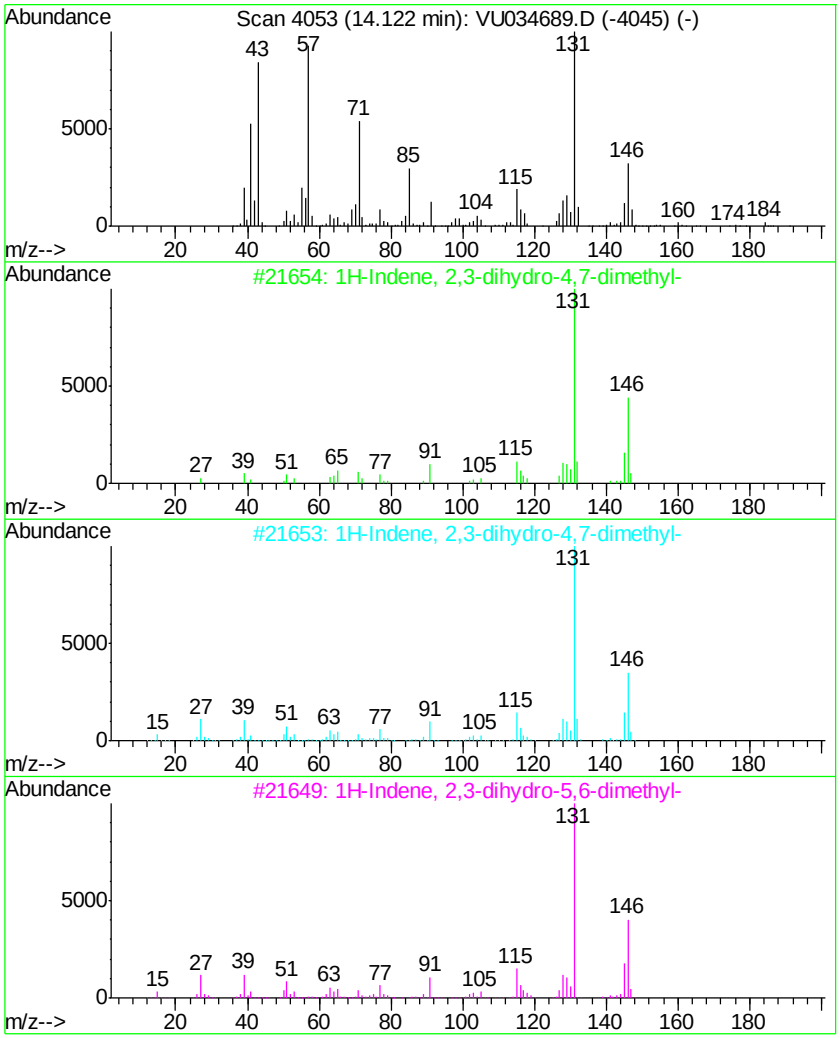
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

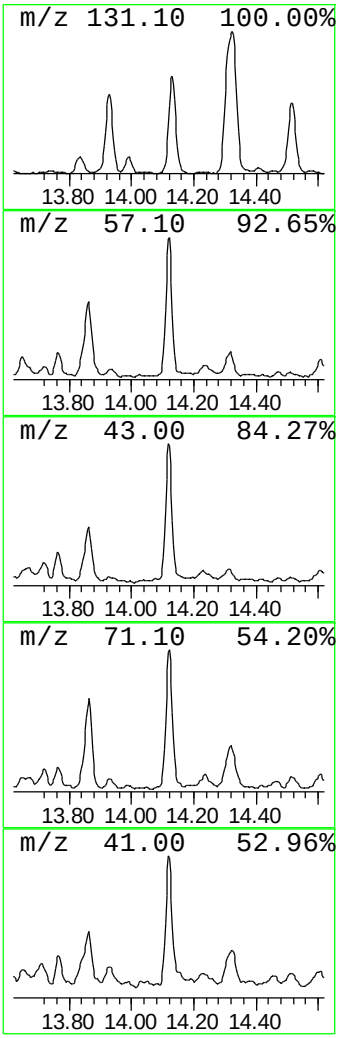
****

Peak Number 35 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	61.68 ug/L	1450260	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	90
4	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	90
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

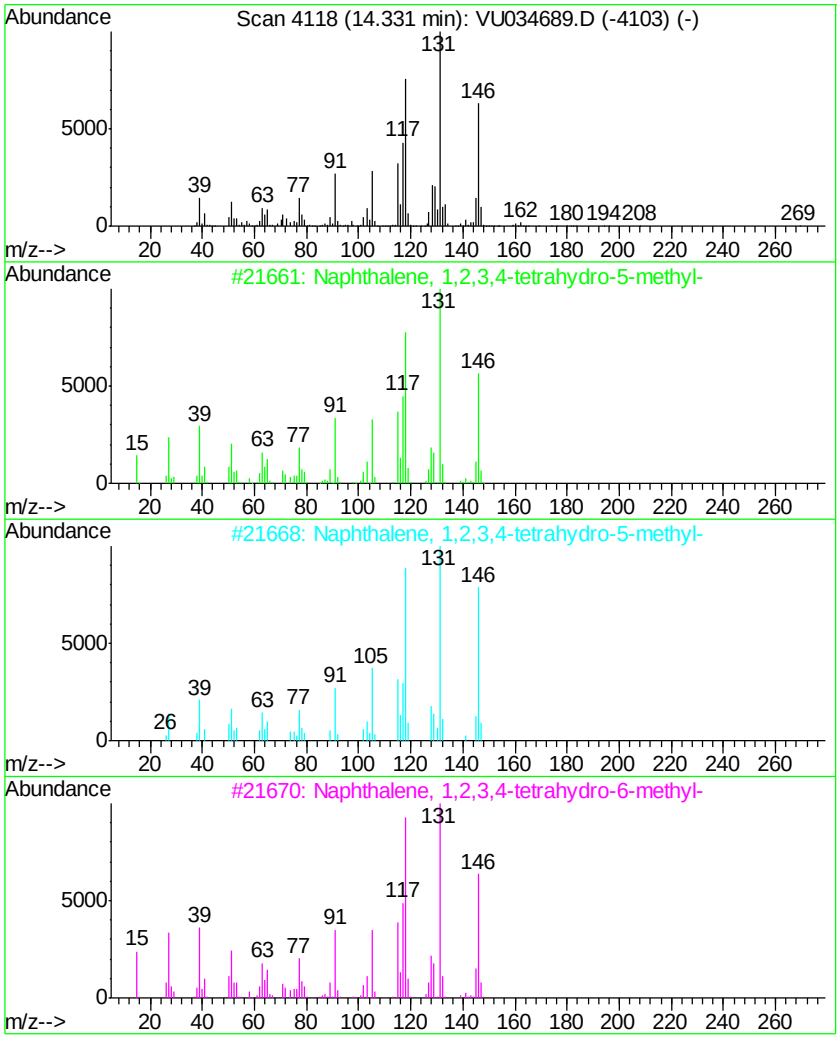
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

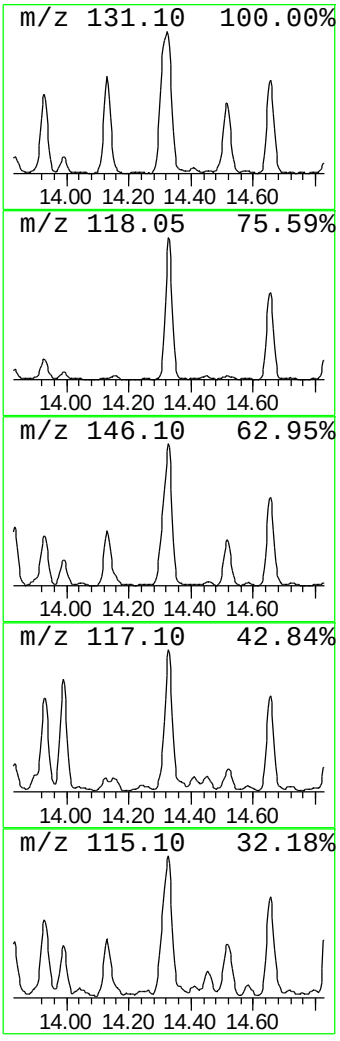
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	116.91 ug/L	2749010	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

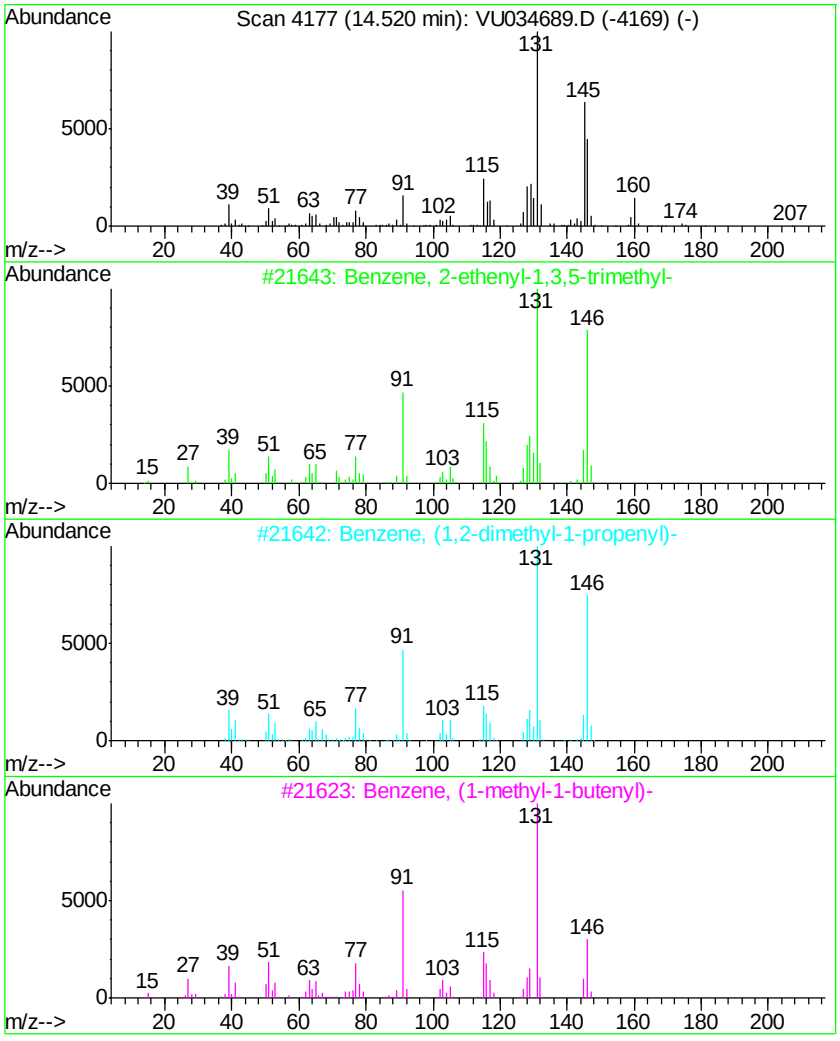
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

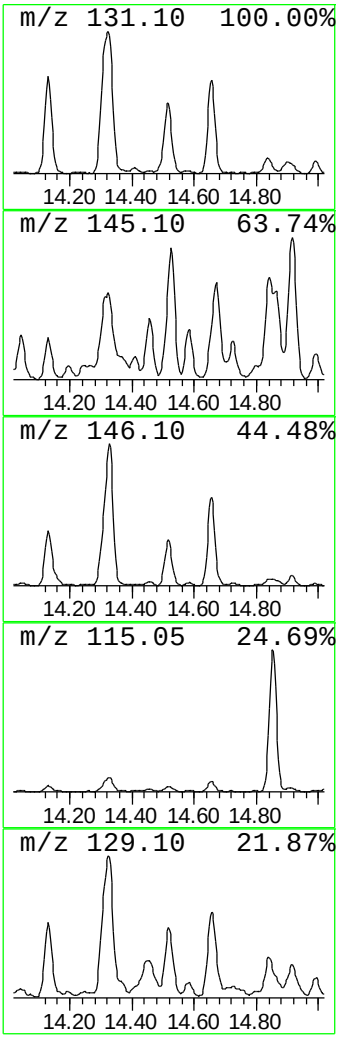
****

Peak Number 37 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	35.72 ug/L	839780	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	81
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	76
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	76
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	72
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

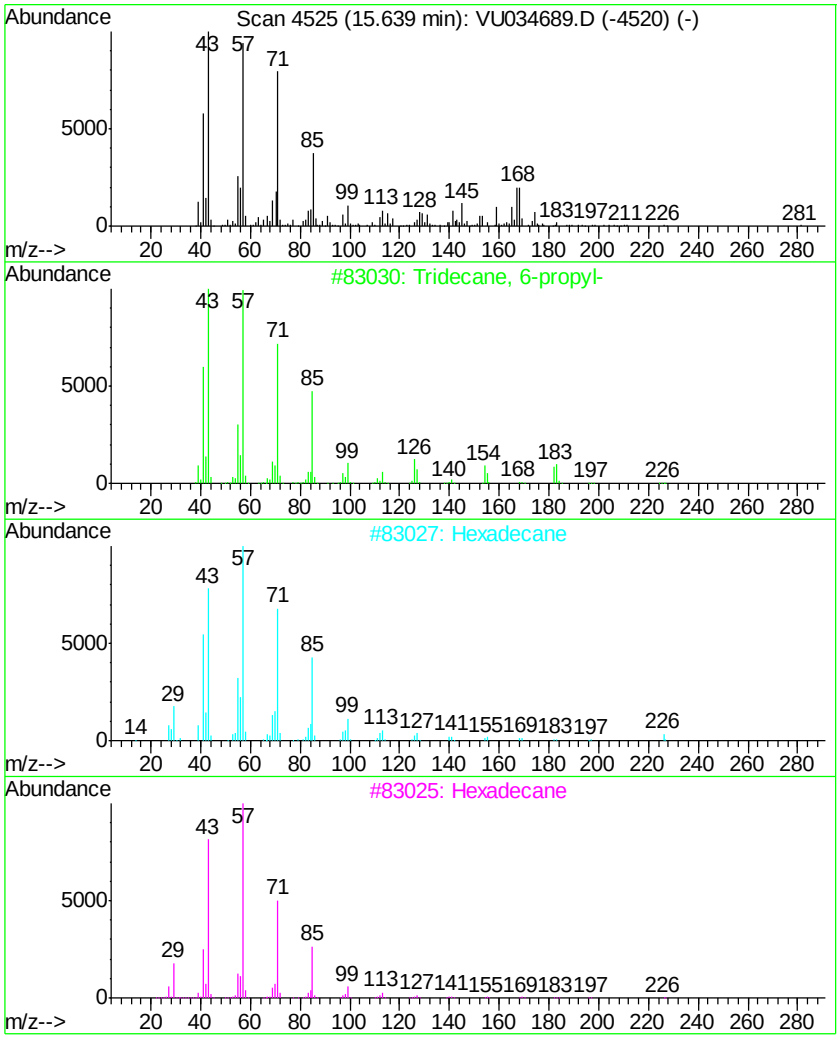
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

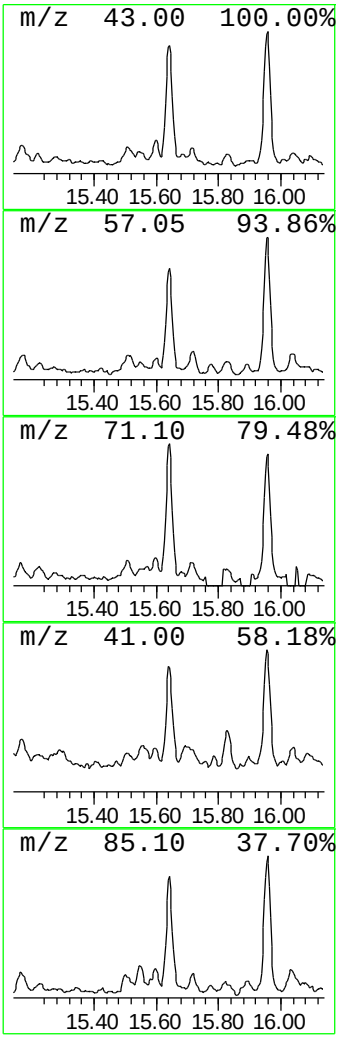
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	17.56 ug/L	412928	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	64
2	Hexadecane	226	C16H34	000544-76-3	64
3	Hexadecane	226	C16H34	000544-76-3	64
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	58
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	56





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.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
unknown-01	1.28	2.5	ug/L	60250	1	5.86	1191440	50.0
(DEL) Alkane: Str...	9.42	2.5	ug/L	69312	2	9.07	1358880	50.0
unknown-02	9.93	3.1	ug/L	84440	2	9.07	1358880	50.0
Benzene, propyl-	10.57	23.2	ug/L	546080	3	11.46	1175670	50.0
Benzene, 1-ethyl-...	10.68	10.8	ug/L	252988	3	11.46	1175670	50.0
Benzene, 1,2,3-tr...	10.75	42.3	ug/L	994506	3	11.46	1175670	50.0
Benzeneacetaldehy...	11.30	14.1	ug/L	332499	3	11.46	1175670	50.0
Benzene, 1,2,4-tr...	11.55	7.9	ug/L	186680	3	11.46	1175670	50.0
Indane	11.75	66.3	ug/L	1557970	3	11.46	1175670	50.0
Benzene, 1,2-diet...	11.96	9.1	ug/L	213168	3	11.46	1175670	50.0
(DEL) Alkane: Str...	12.00	9.0	ug/L	211135	3	11.46	1175670	50.0
Benzene, 2-ethyl-...	12.12	35.4	ug/L	833375	3	11.46	1175670	50.0
Benzene, 1-methyl...	12.23	51.1	ug/L	1201290	3	11.46	1175670	50.0
Benzene, 1-etheny...	12.33	62.1	ug/L	1461340	3	11.46	1175670	50.0
3,4-Dimethylcumene	12.47	7.4	ug/L	173701	3	11.46	1175670	50.0
unknown-03	12.59	7.8	ug/L	183032	3	11.46	1175670	50.0
Benzene, 1,2,4,5-...	12.63	43.6	ug/L	1024810	3	11.46	1175670	50.0
Benzene, 1,2,3,4-...	12.68	72.0	ug/L	1693540	3	11.46	1175670	50.0
Benzene, 1-methyl...	12.94	54.6	ug/L	1283270	3	11.46	1175670	50.0
2-Methyl-7-endo-v...	13.01	7.1	ug/L	166697	3	11.46	1175670	50.0
Benzene, 1-methyl...	13.06	7.7	ug/L	179891	3	11.46	1175670	50.0
2,4-Dimethylstyrene	13.10	187.2	ug/L	4402560	3	11.46	1175670	50.0
Naphthalene, 1,2,...	13.26	117.3	ug/L	2759160	3	11.46	1175670	50.0
2,2-Dimethylinden...	13.39	13.5	ug/L	316698	3	11.46	1175670	50.0
1H-Indene, 2,3-di...	13.43	23.0	ug/L	541757	3	11.46	1175670	50.0
Benzene, (1-methy...	13.49	41.1	ug/L	967608	3	11.46	1175670	50.0
Naphthalene, 1,2,...	13.84	37.2	ug/L	874693	3	11.46	1175670	50.0
Benzene, (2-methy...	13.93	37.3	ug/L	877188	3	11.46	1175670	50.0
1H-Indene, 2,3-di...	14.12	61.7	ug/L	1450260	3	11.46	1175670	50.0
Naphthalene, 1,2,...	14.33	116.9	ug/L	2749010	3	11.46	1175670	50.0
Benzene, 2-etheny...	14.52	35.7	ug/L	839780	3	11.46	1175670	50.0
(DEL) Alkane: Str...	15.64	17.6	ug/L	412928	3	11.46	1175670	50.0