LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

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\SOMULM100518WMA.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	1.273	27	31	46	rVB2	3331	5122	0.75%	0.070%
2	1.399	63	70	85	rBV	79560	89795	13.23%	1.234%
3	1.681	151	158	178	rVB	63478	87138	12.84%	1.198%
4	2.273	331	342	353	rBV	118275	177572	26.16%	2.441%
5	2.447	386	396	413	rBV	4586	8301	1.22%	0.114%
6	2.627	446	452	457	rVB2	237	337	0.05%	0.005%
7	2.839	510	518	520	rBV2	608	756	0.11%	0.010%
8	2.964	555	557	562	rVV	232	172	0.03%	0.002%
9	3.196	622	629	633	rVB2	489	615	0.09%	0.008%
10	3.337	665	673	678	rVV2	383	538	0.08%	0.007%
11	3.665	772	775	778	rBV2	216	143	0.02%	0.002%
12	4.180	921	935	963	rBV	77193	206812	30.47%	2.843%
13	4.514	1035	1039	1044	rVB2	273	251	0.04%	0.003%
14	4.575	1054	1058	1060	rBV	229	156	0.02%	0.002%
15	4.652	1065	1082	1113	rBV	107136	253807	37.39%	3.489%
16	4.826	1132	1136	1138	rBV2	262	210	0.03%	0.003%
17	4.858	1140	1146	1150	rBV3	194	229	0.03%	0.003%
18	5.032	1195	1200	1202	rBV2	168	138	0.02%	0.002%
19	5.051	1202	1206	1211	rVB	206	144	0.02%	0.002%
20	5.090	1211	1218	1221	rBV2	170	208	0.03%	0.003%
21	5.344	1269	1297	1332	rBV2	210988	678728	100.00%	9.330%
22	5.533	1352	1356	1359	rVB2	259	143	0.02%	0.002%
23	5.794	1426	1437	1452	rBV5	1718	3754	0.55%	0.052%
24	5.887	1452	1466	1487	rBV	215883	429242	63.24%	5.900%
25	6.144	1543	1546	1552	rVB	185	149	0.02%	0.002%
26	6.250	1574	1579	1586	rVB4	420	484	0.07%	0.007%
27	6.334	1586	1605	1639	rBV	154271	320977	47.29%	4.412%
28	6.453	1639	1642	1643	rBV	332	147	0.02%	0.002%
29	6.521	1657	1663	1664	rBV2	365	306	0.05%	0.004%
30	6.530	1664	1666	1671	rVB3	529	377	0.06%	0.005%
31	6.652	1701	1704	1707	rBV2	186	160	0.02%	0.002%
32	6.829	1749	1759	1766	rBV5	4454	7934	1.17%	0.109%
33	6.974	1801	1804	1808	rVV	259	212	0.03%	0.003%
34	7.231	1872	1884	1905	rBV	78465	144226	21.25%	1.982%

LSC Area Percent Report

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Sample : J5298-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

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\SOMULM100518WMA.M
Title : VOC Analysis

35	7.395	1923	1935	1947	rVB5	3710	7017	1.03%	0.096%
36	7.475	1958	1960	1965	rVB2	277	192	0.03%	0.003%
37	7.569	1976	1989	2001	rBV	257659	450758	66.41%	6.196%
38	7.639	2002	2011	2028	rVV	79706	142149	20.94%	1.954%
39	7.713	2032	2034	2042	rVB4	1199	1052	0.15%	0.014%
40	7.852	2065	2077	2096	rBV	57284	97546	14.37%	1.341%
41	7.919	2096	2098	2100	rVB2	341	137	0.02%	0.002%
42	7.948	2100	2107	2108	rBV	740	744	0.11%	0.010%
43	8.083	2140	2149	2160	rVB	2543	3546	0.52%	0.049%
44	8.189	2172	2182	2184	rBV3	2687	4488	0.66%	0.062%
45	8.311	2209	2220	2257	rVB	253558	447986	66.00%	6.158%
46	8.607	2309	2312	2318	rVB3	278	262	0.04%	0.004%
47	8.897	2399	2402	2409	rVB2	232	247	0.04%	0.003%
48	8.935	2409	2414	2421	rBV4	623	735	0.11%	0.010%
49	9.035	2441	2445	2449	rBV2	764	815	0.12%	0.011%
50	9.090	2450	2462	2486	rVV	315816	526026	77.50%	7.231%
51	9.254	2502	2513	2532	rBV	29916	51661	7.61%	0.710%
52	9.379	2540	2552	2564	rVV2	23807	39679	5.85%	0.545%
53	9.443	2566	2572	2587	rVB3	3643	6500	0.96%	0.089%
54	9.511	2587	2593	2596	rBV	158	175	0.03%	0.002%
55	9.530	2596	2599	2604	rVB2	207	188	0.03%	0.003%
56	9.591	2612	2618	2623	rVB3	427	579	0.09%	0.008%
57	9.781	2665	2677	2691	rBV	33433	55740	8.21%	0.766%
58	10.009	2744	2748	2756	rBV2	340	410	0.06%	0.006%
59	10.077	2760	2769	2776	rVV3	1316	2033	0.30%	0.028%
60	10.138	2780	2788	2792	rVV3	2608	3911	0.58%	0.054%
61	10.167	2792	2797	2808	rVB3	3590	5397	0.80%	0.074%
62	10.315	2832	2843	2853	rBV6	4450	8204	1.21%	0.113%
63	10.372	2855	2861	2868	rBV4	1890	2348	0.35%	0.032%
64	10.434	2868	2880	2896	rBV	226704	362293	53.38%	4.980%
65	10.536	2910	2912	2915	rVB2	296	155	0.02%	0.002%
66	10.588	2916	2928	2930	rBV4	8420	12651	1.86%	0.174%
67	10.678	2951	2956	2960	rBV5	2836	3818	0.56%	0.052%
68	10.813	2994	2998	2999	rBV	337	252	0.04%	0.003%
69	10.903	3023	3026	3029	rBV3	446	383	0.06%	0.005%
70	10.919	3029	3031	3037	rVV3	505	392	0.06%	0.005%
71	10.974	3037	3048	3068	rVV2	18803	39074	5.76%	0.537%

LSC Area Percent Report

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Data File : VU027515.D
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Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

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\SOMULM100518WMA.M
Title : VOC Analysis

72	11.057	3069	3074	3077	rVB2	253	223	0.03%	0.003%
73	11.151	3083	3103	3114	rBV	38246	64612	9.52%	0.888%
74	11.212	3117	3122	3135	rVB7	2051	3074	0.45%	0.042%
75	11.276	3135	3142	3148	rBV3	1756	2750	0.41%	0.038%
76	11.337	3153	3161	3176	rVB9	3404	8238	1.21%	0.113%
77	11.414	3177	3185	3190	rBV8	2989	4419	0.65%	0.061%
78	11.485	3193	3207	3224	rVB	314992	494157	72.81%	6.793%
79	11.572	3224	3234	3247	rBV4	24404	66621	9.82%	0.916%
80	11.765	3281	3294	3303	rBV	45287	86846	12.80%	1.194%
81	11.861	3315	3324	3343	rVB	285531	460660	67.87%	6.332%
82	11.980	3351	3361	3368	rBV	58795	96570	14.23%	1.327%
83	12.118	3397	3404	3415	rBV3	16969	24992	3.68%	0.344%
84	12.289	3450	3457	3463	rBV2	15566	23206	3.42%	0.319%
85	12.385	3480	3487	3496	rVB4	40270	61825	9.11%	0.850%
86	12.472	3510	3514	3523	rVB3	28115	39009	5.75%	0.536%
87	12.591	3543	3551	3561	rVB4	72492	118994	17.53%	1.636%
88	12.694	3572	3583	3590	rBV3	101239	222731	32.82%	3.062%
89	12.739	3593	3597	3606	rVB	181415	247634	36.49%	3.404%
90	13.131	3710	3719	3728	rVV4	35746	62244	9.17%	0.856%
91	13.186	3728	3736	3751	rVB2	41169	70875	10.44%	0.974%
92	13.289	3758	3768	3784	rVB3	68136	124855	18.40%	1.716%
93	13.453	3813	3819	3825	rBV8	15085	23841	3.51%	0.328%
94	13.742	3899	3909	3914	rBV2	52504	93451	13.77%	1.285%
95	13.900	3951	3958	3970	rVB	63172	97511	14.37%	1.340%
96	14.006	3984	3991	3999	rVB2	19827	29718	4.38%	0.408%
97	14.150	4031	4036	4039	rBV6	2356	2737	0.40%	0.038%
98	14.732	4209	4217	4228	rVB6	5256	10473	1.54%	0.144%
99	15.064	4310	4320	4331	rBV	19793	32132	4.73%	0.442%
100	15.404	4423	4426	4433	rVB4	1563	1747	0.26%	0.024%

Sum of corrected areas: 7274971

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Acq On : 08 Oct 2018 21:30
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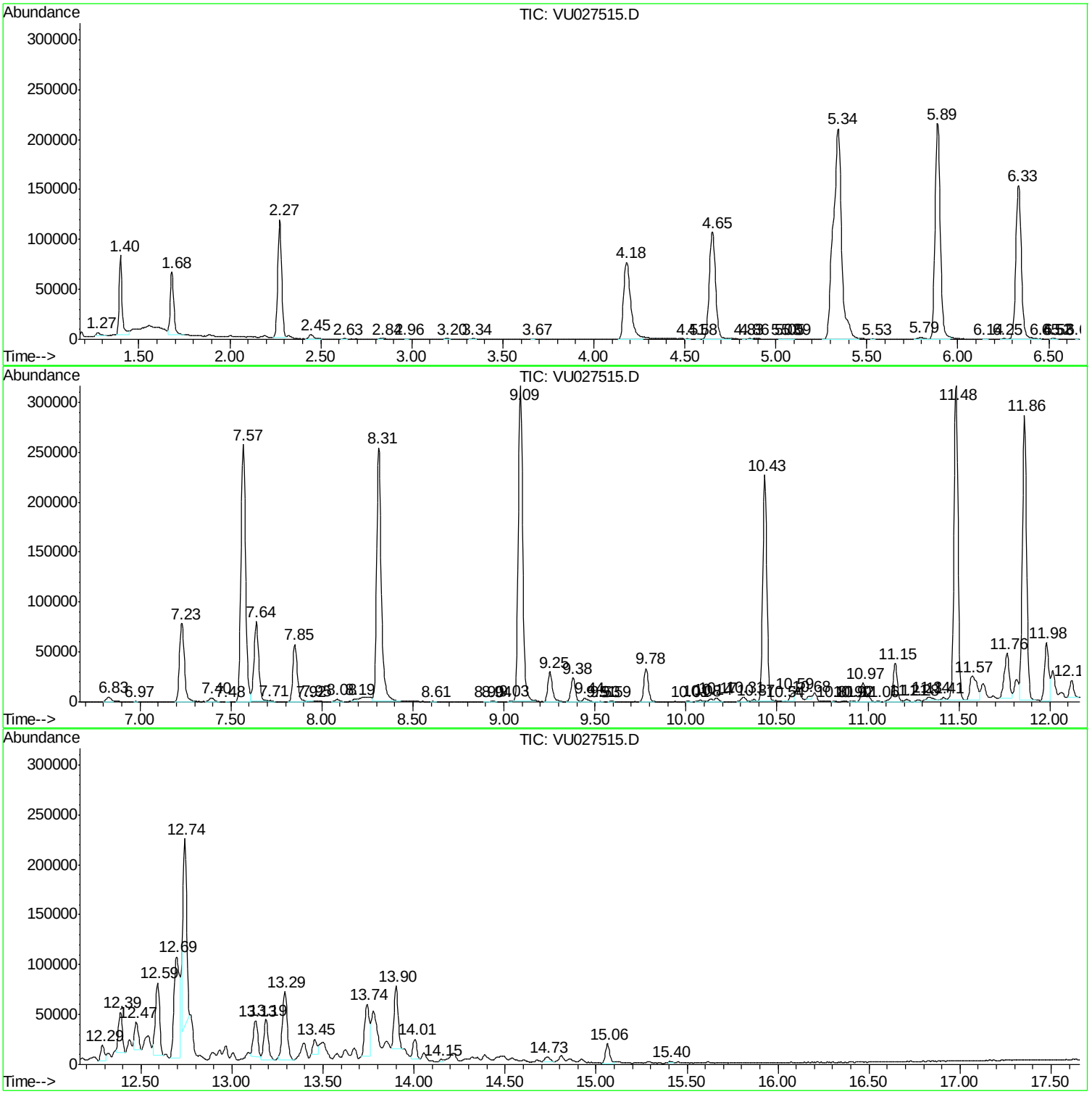
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.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\VU100818\
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Acq On : 08 Oct 2018 21:30
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Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

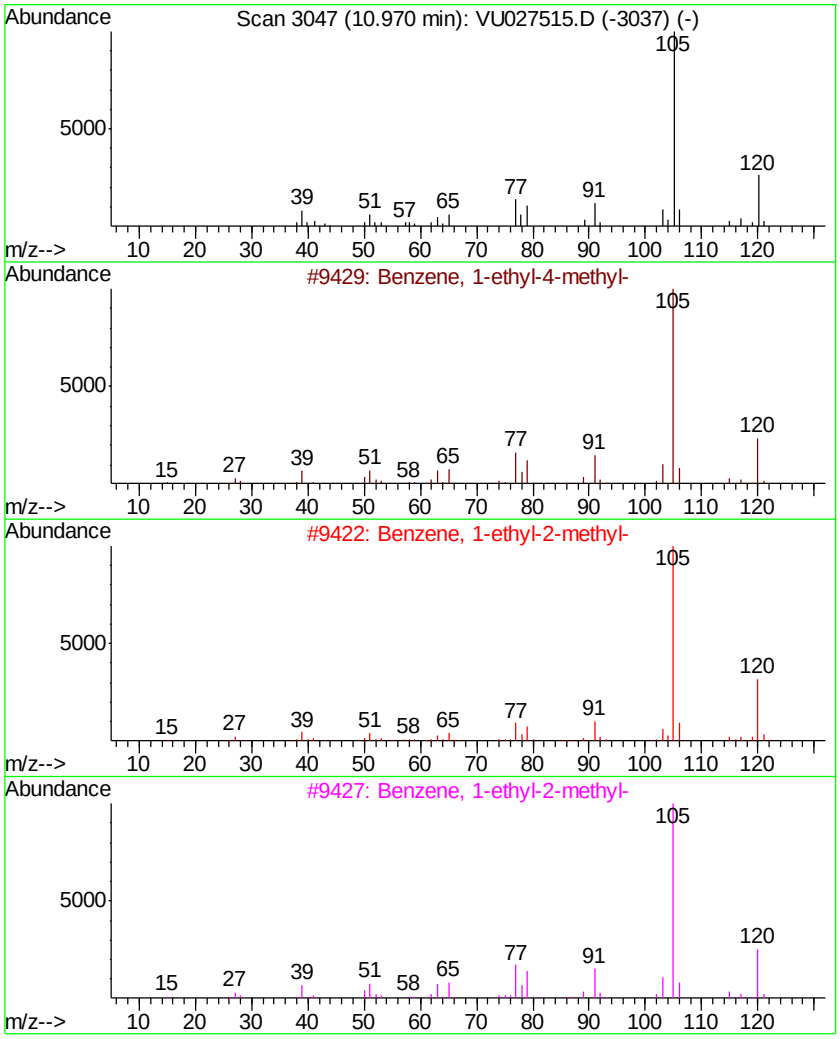
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

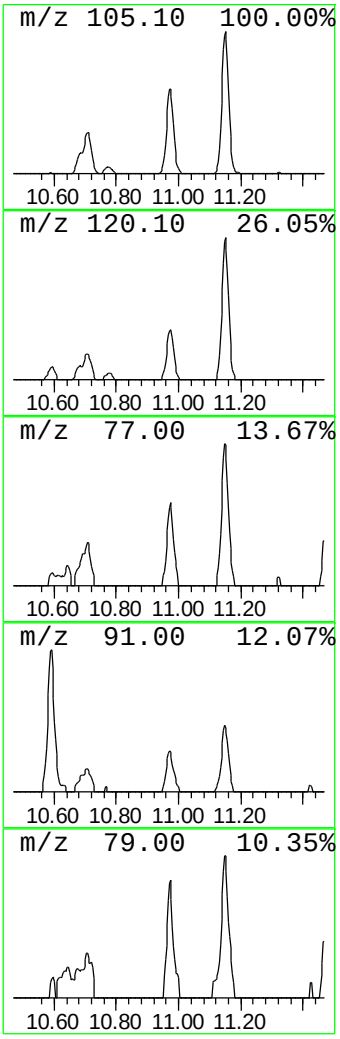
****

Peak Number 2 Benzene, 1-ethyl-4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	3.95 ug/L	39074	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

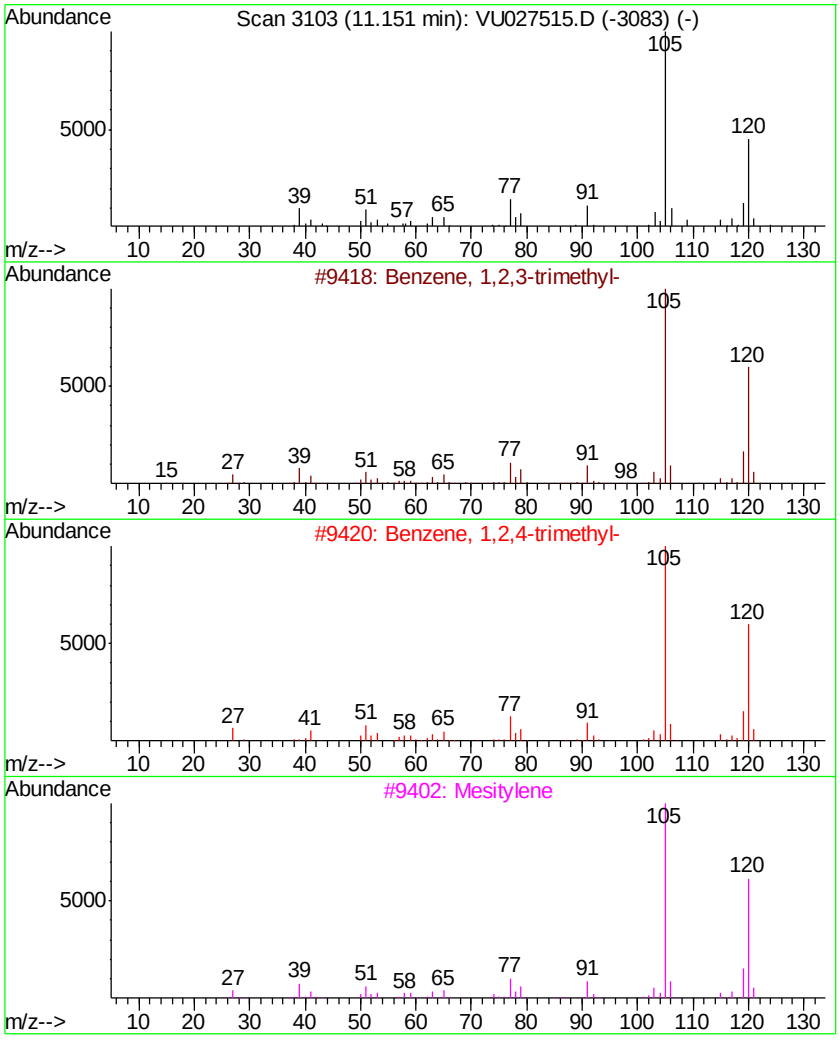
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

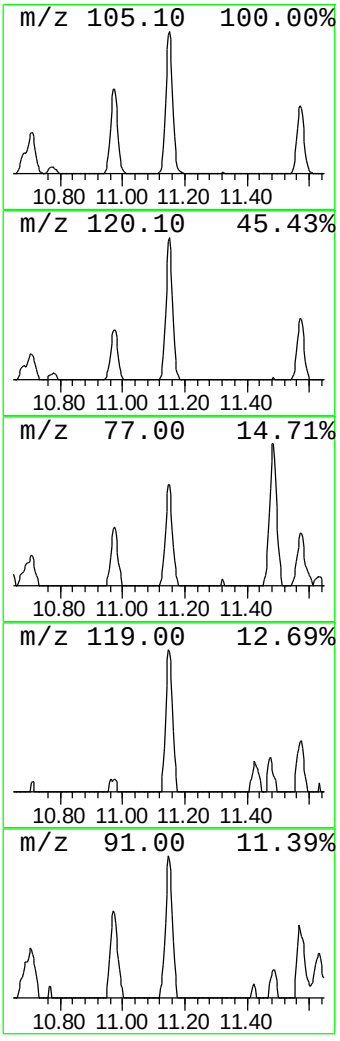
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	6.54 ug/L	64612	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93





Library Search Compound Report

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ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

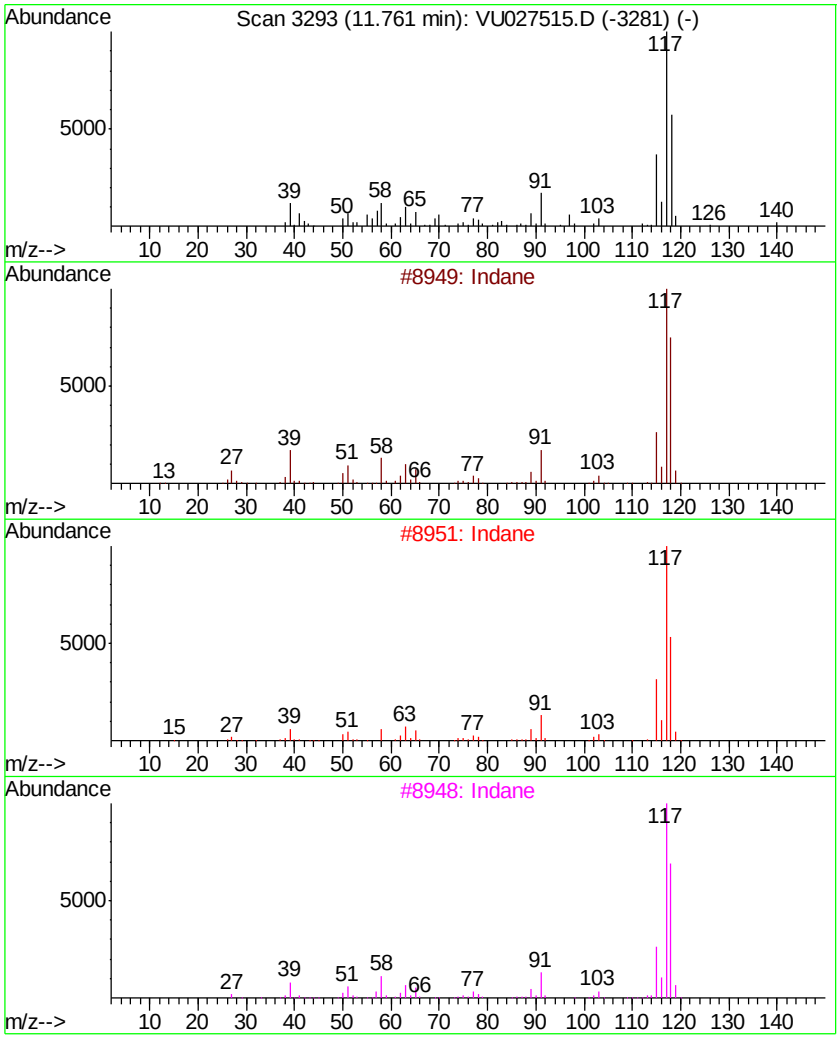
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

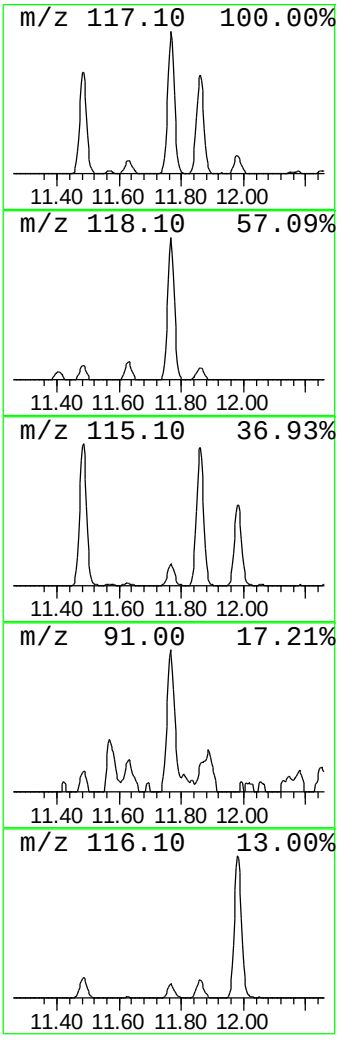
****

Peak Number 5 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	8.79 ug/L	86846	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	94
3	Indane	118	C9H10	000496-11-7	93
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

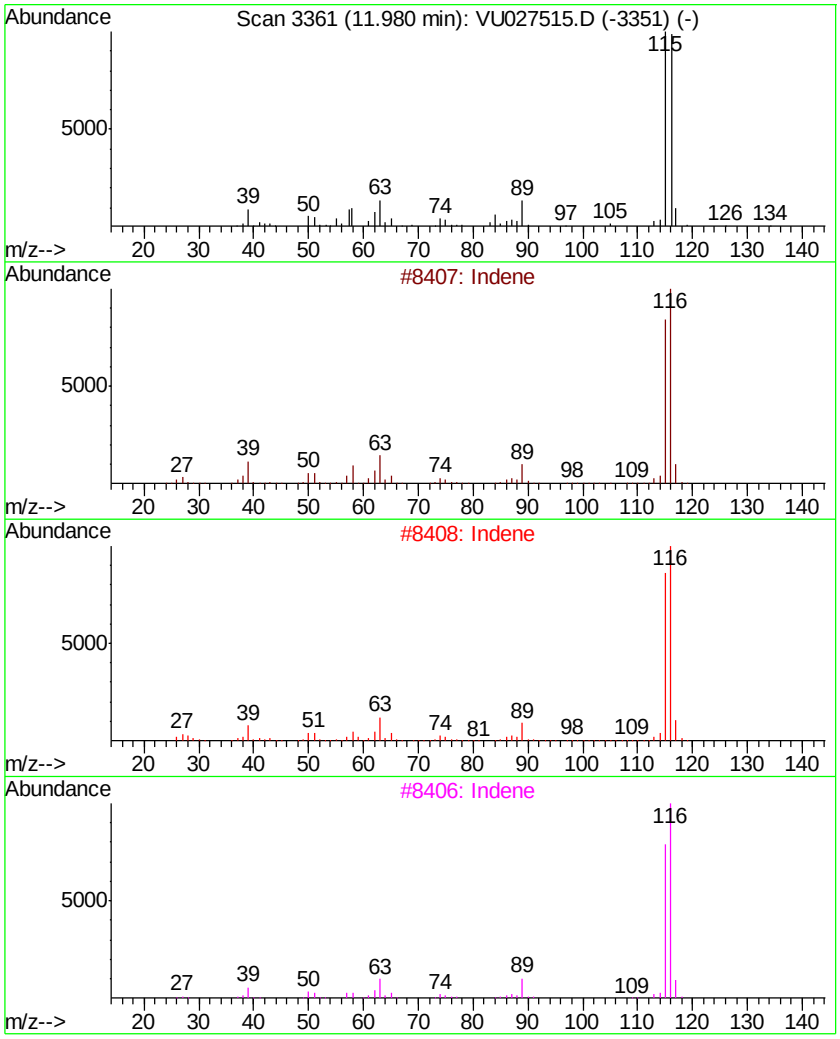
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

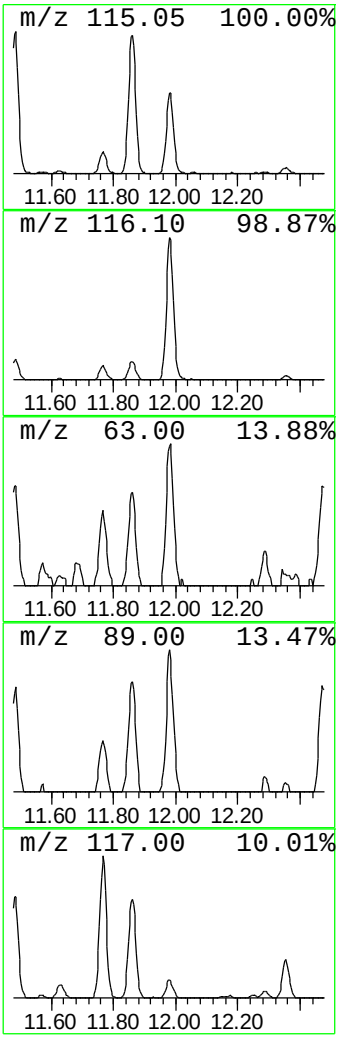
****

Peak Number 6 Indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	9.77 ug/L	96570	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	96
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	94
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

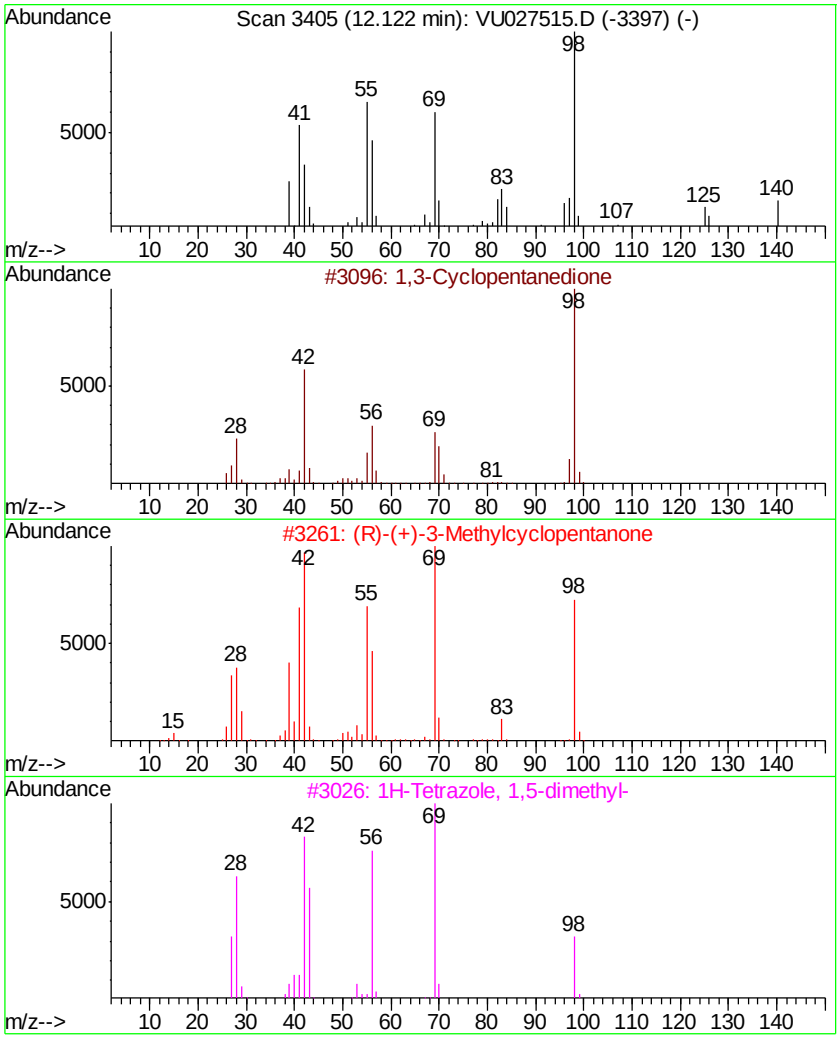
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

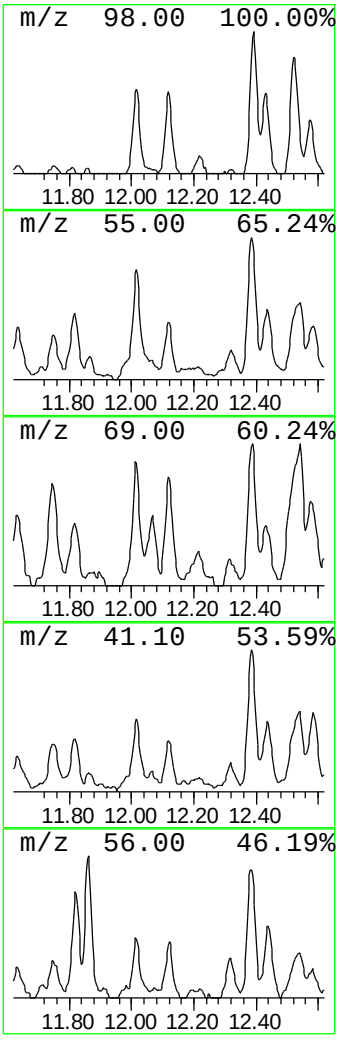
****

Peak Number 7 1,3-Cyclopentanedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.53 ug/L	24992	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione	98	C5H6O2	003859-41-4	58
2	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	47
3	1H-Tetrazole, 1,5-dimethyl-	98	C3H6N4	005144-11-6	43
4	1,2-Cyclopentanedione	98	C5H6O2	003008-40-0	38
5	Cyclohexanone	98	C6H10O	000108-94-1	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

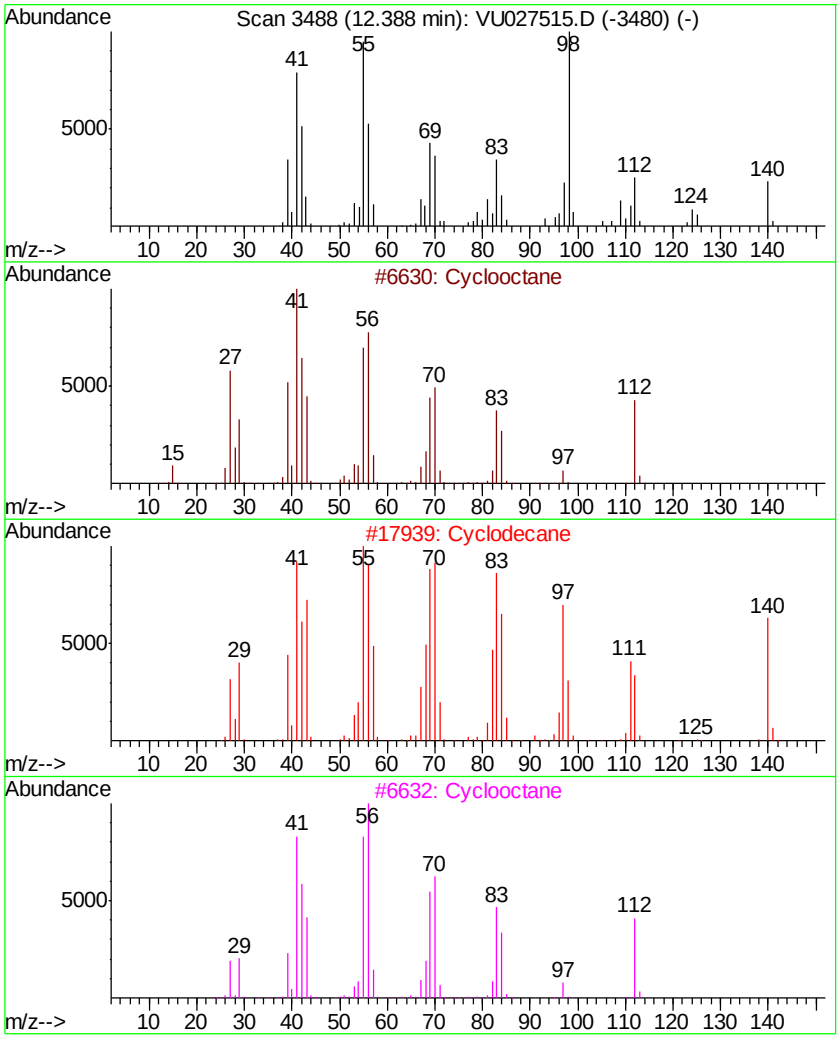
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

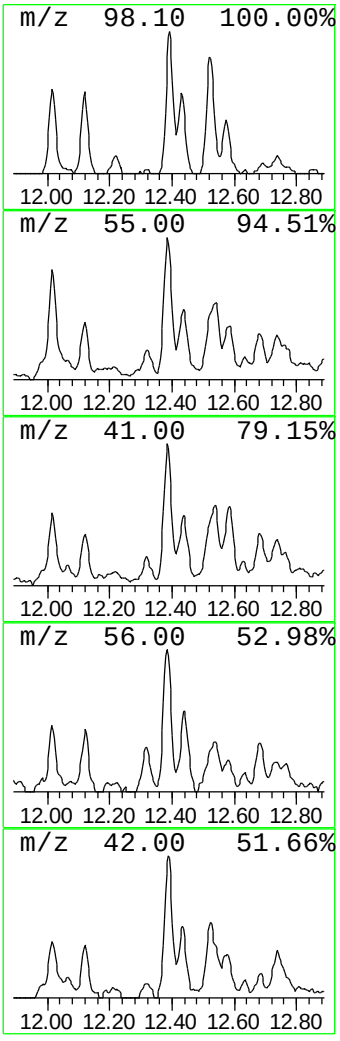
****

Peak Number 8 (DEL) Alkane: Cyclic12.39 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	6.26 ug/L	61825	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane	112	C8H16	000292-64-8	95
2	Cyclodecane	140	C10H20	000293-96-9	60
3	Cyclooctane	112	C8H16	000292-64-8	50
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	49
5	1-Decene	140	C10H20	000872-05-9	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

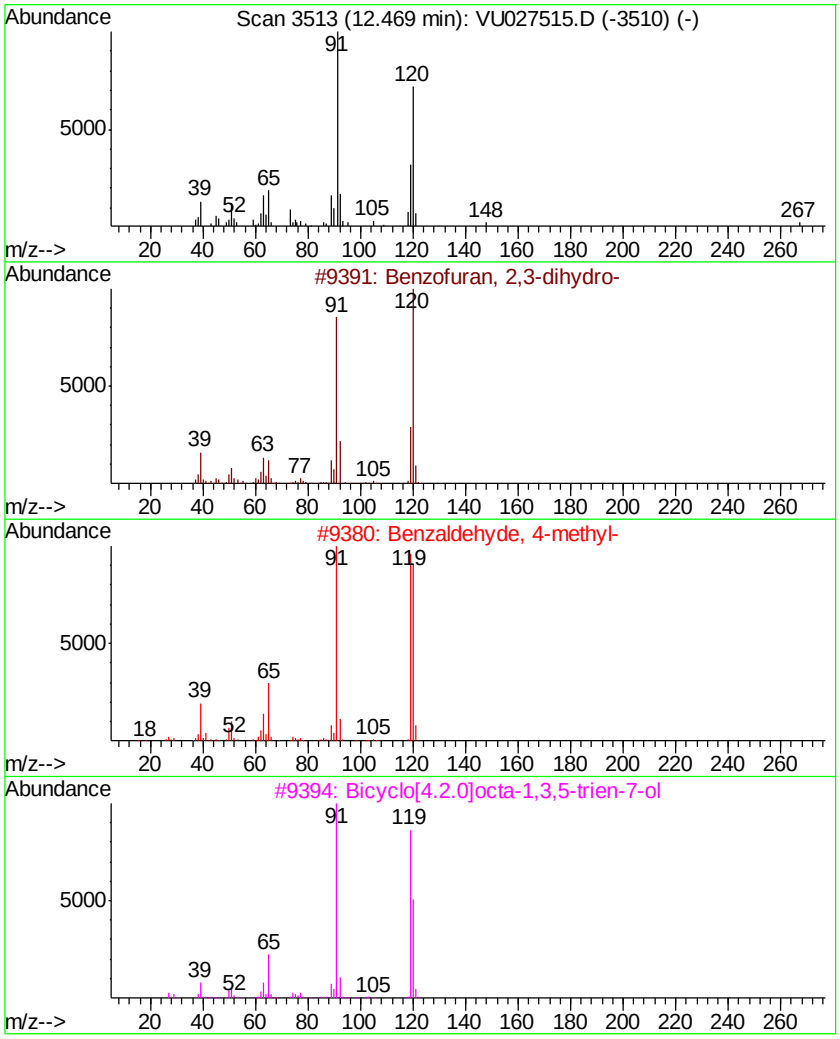
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

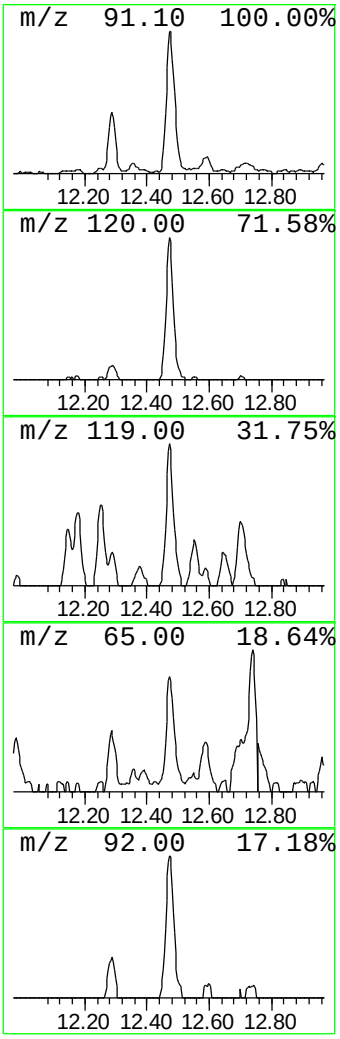
****

Peak Number 9 Benzofuran, 2,3-dihydro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	3.95 ug/L	39009	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2,3-dihydro-	120	C8H8O	000496-16-2	76
2	Benzaldehyde, 4-methyl-	120	C8H8O	000104-87-0	64
3	Bicyclo[4.2.0]octa-1,3,5-trien-7-ol	120	C8H8O	035447-99-5	64
4	Benzofuran, 2,3-dihydro-	120	C8H8O	000496-16-2	58
5	Benzaldehyde, 2-methyl-	120	C8H8O	000529-20-4	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

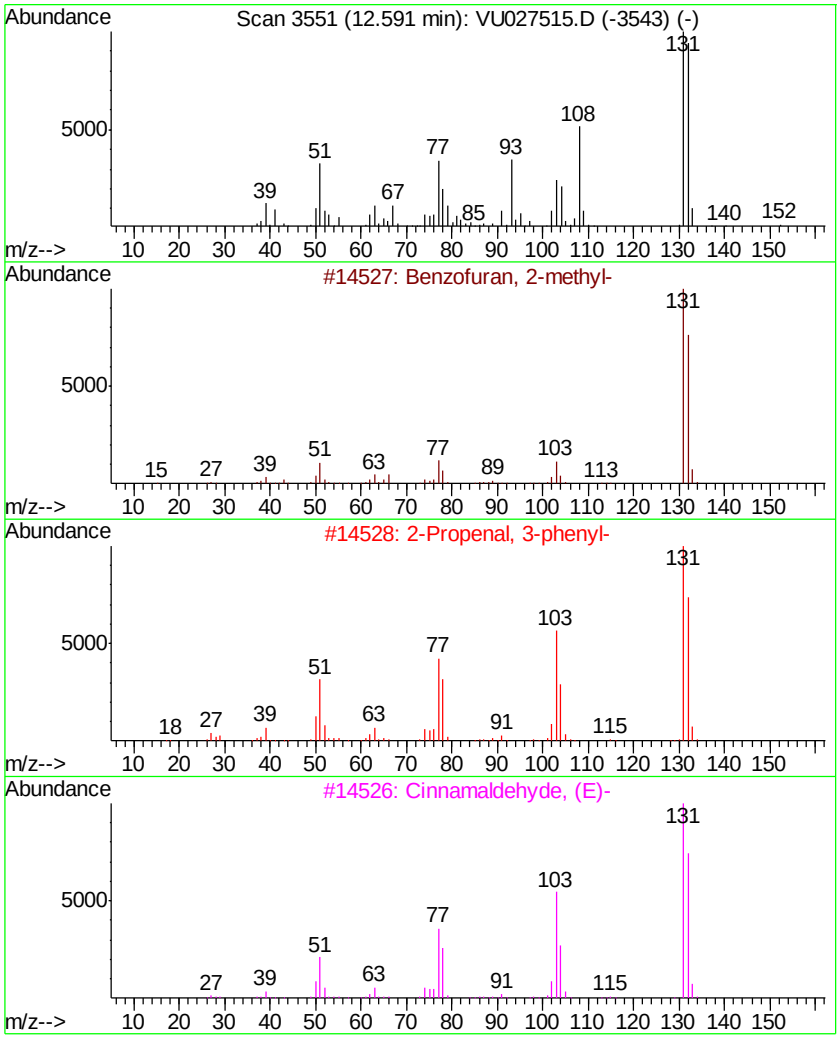
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

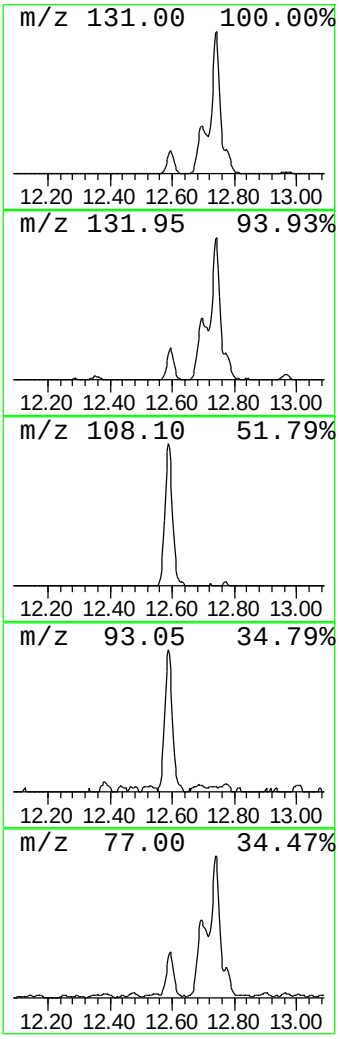
****

Peak Number 10 Benzofuran, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	12.04 ug/L	118994	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	76
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	76
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	76
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

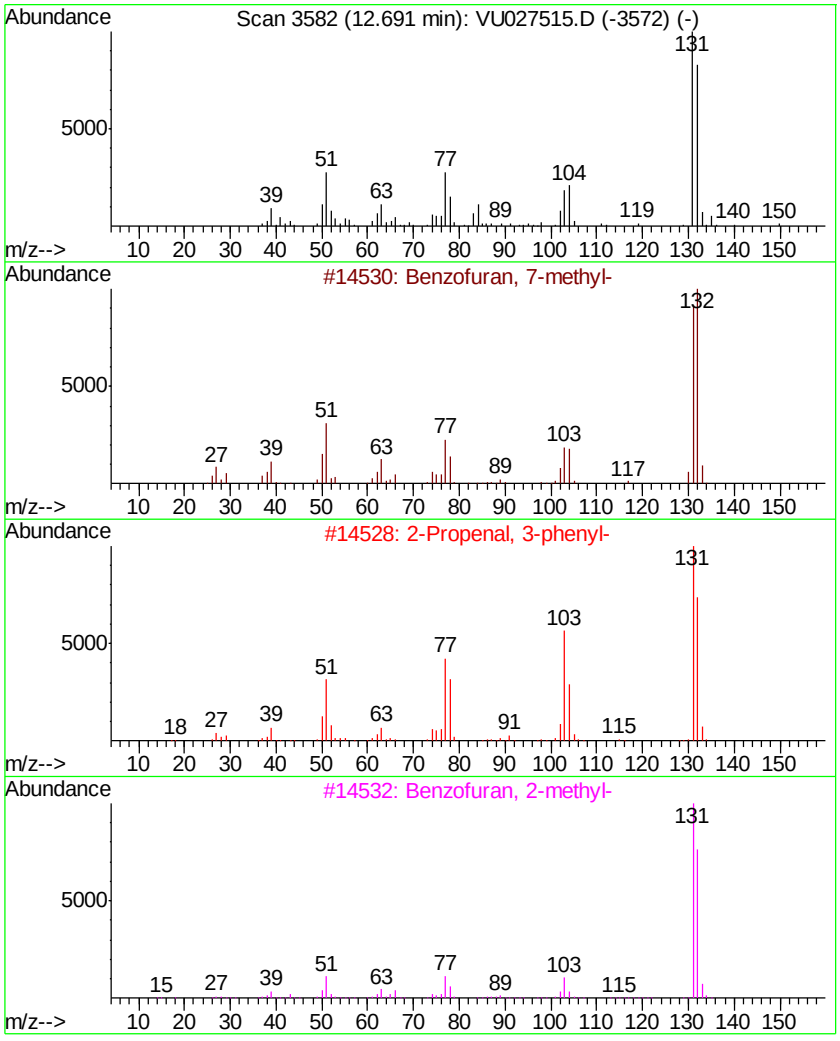
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

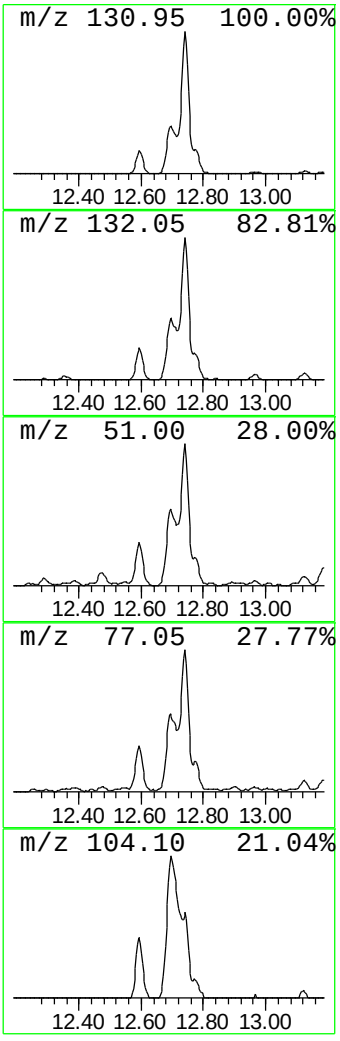
****

Peak Number 11 Benzofuran, 7-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	22.54 ug/L	222731	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	96
2	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	93
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91





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Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

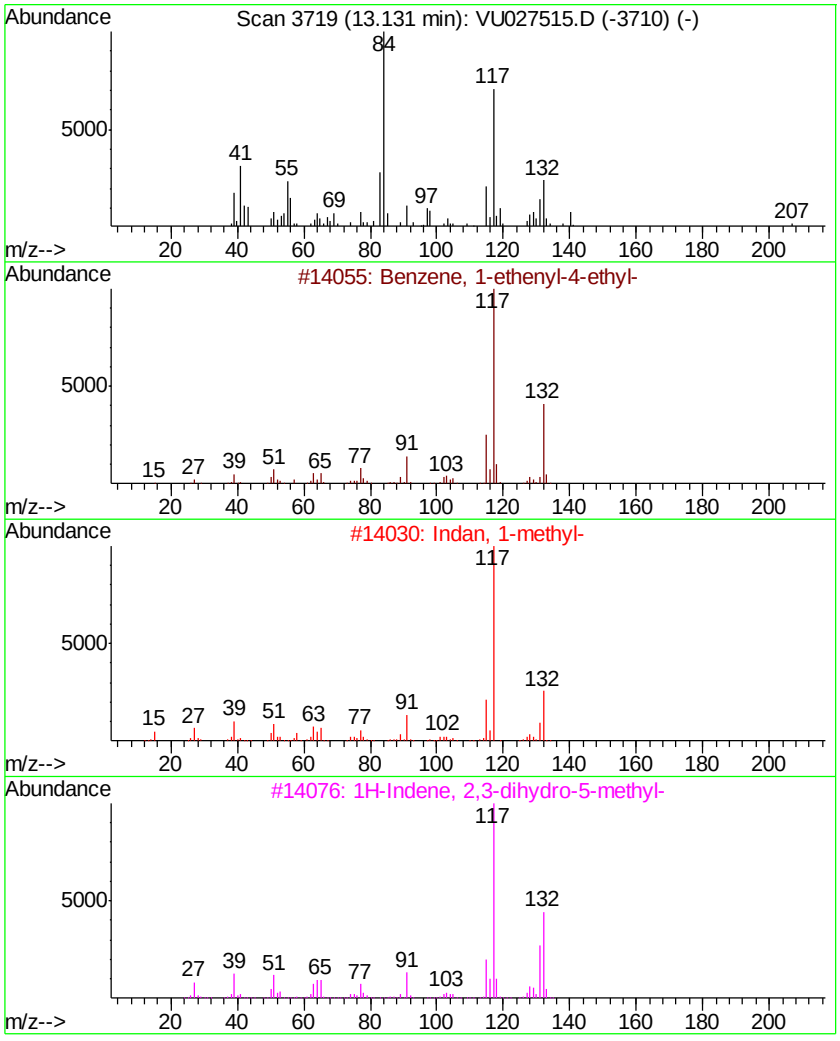
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

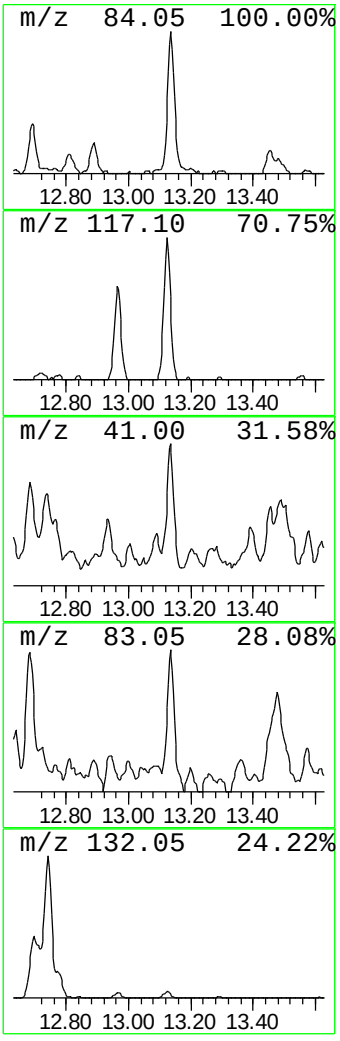
****

Peak Number 13 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	6.30 ug/L	62244	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	80
2	Indan, 1-methyl-	132	C10H12	000767-58-8	38
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	38
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	38
5	3,6,6-Trimethyl-cyclohex-2-enol	140	C9H16O	073741-62-5	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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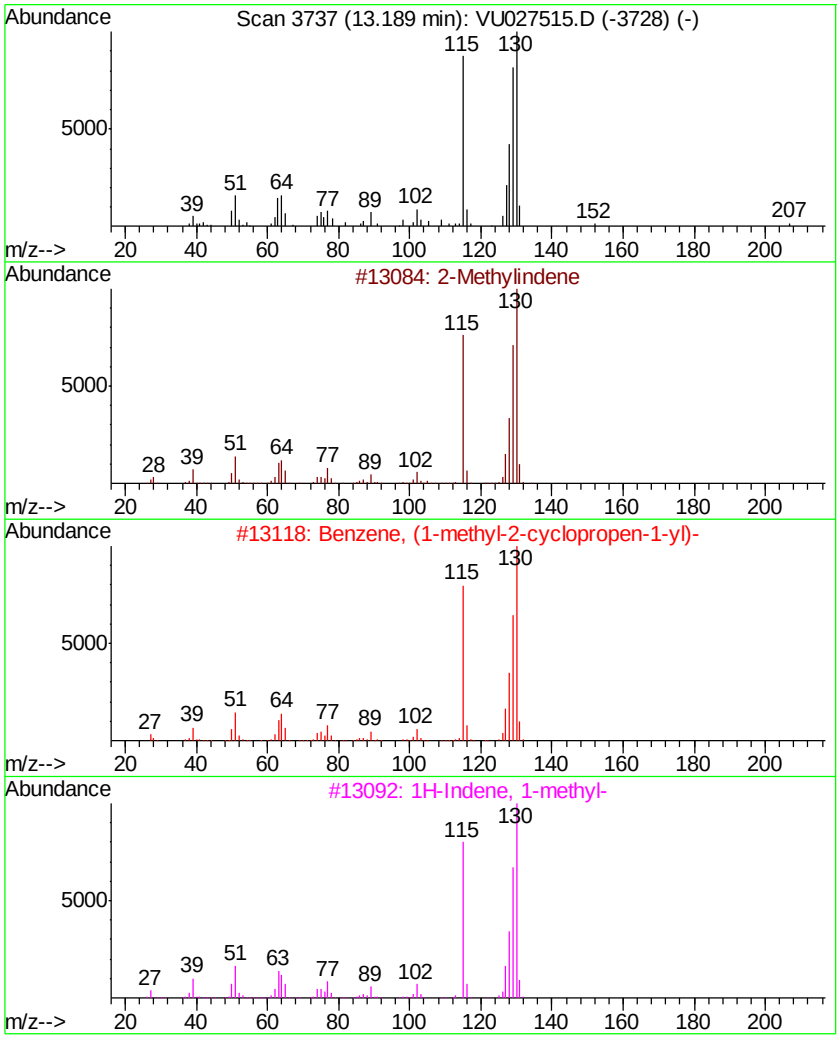
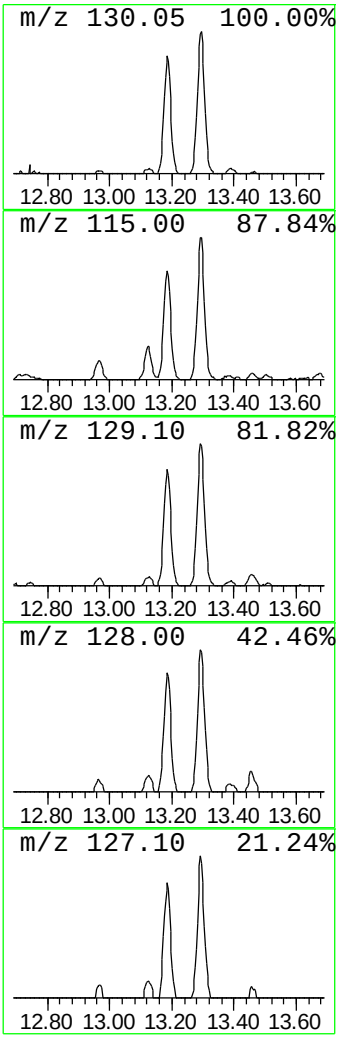
Peak Number 14 2-Methylindene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	7.17 ug/L	70875	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

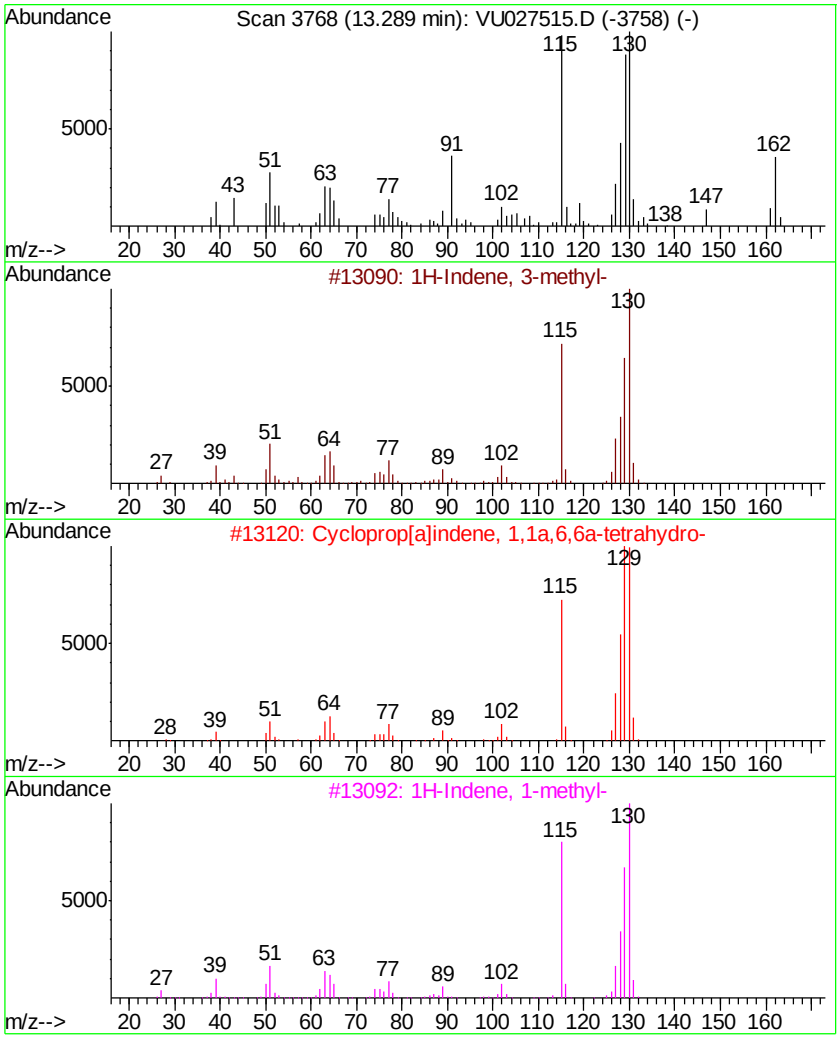
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

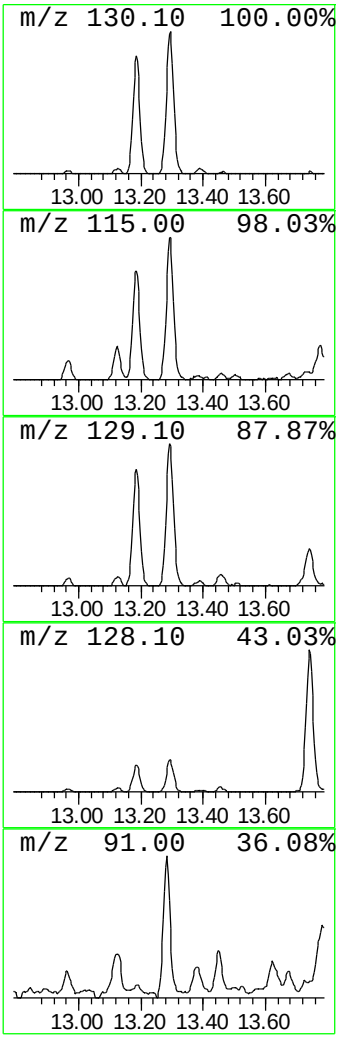
****

Peak Number 15 1H-Indene, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	12.63 ug/L	124855	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	97
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	96
5	2-Methylindene	130	C10H10	002177-47-1	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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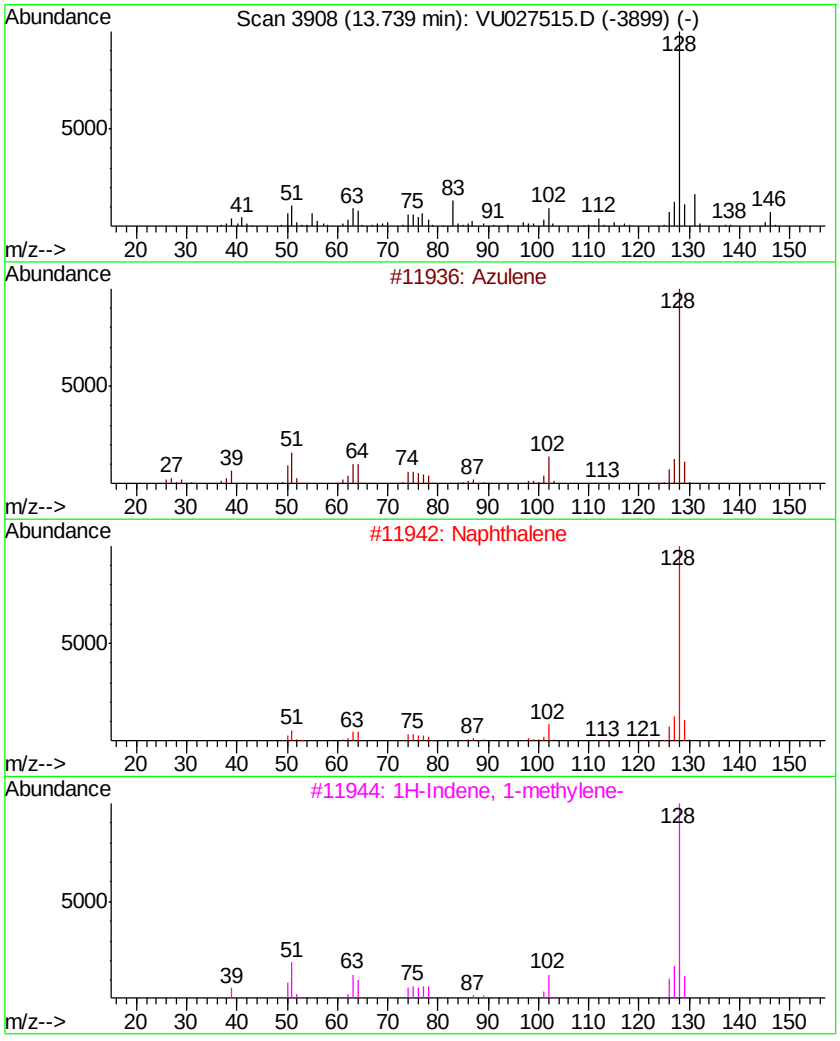
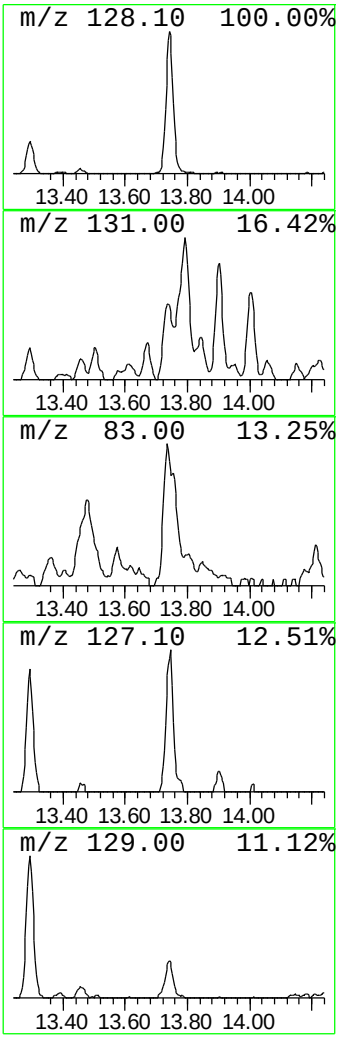
Peak Number 16 Azulene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	9.46 ug/L	93451	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	95
2	Naphthalene	128	C10H8	000091-20-3	93
3	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	90
4	Naphthalene	128	C10H8	000091-20-3	81
5	Naphthalene	128	C10H8	000091-20-3	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

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

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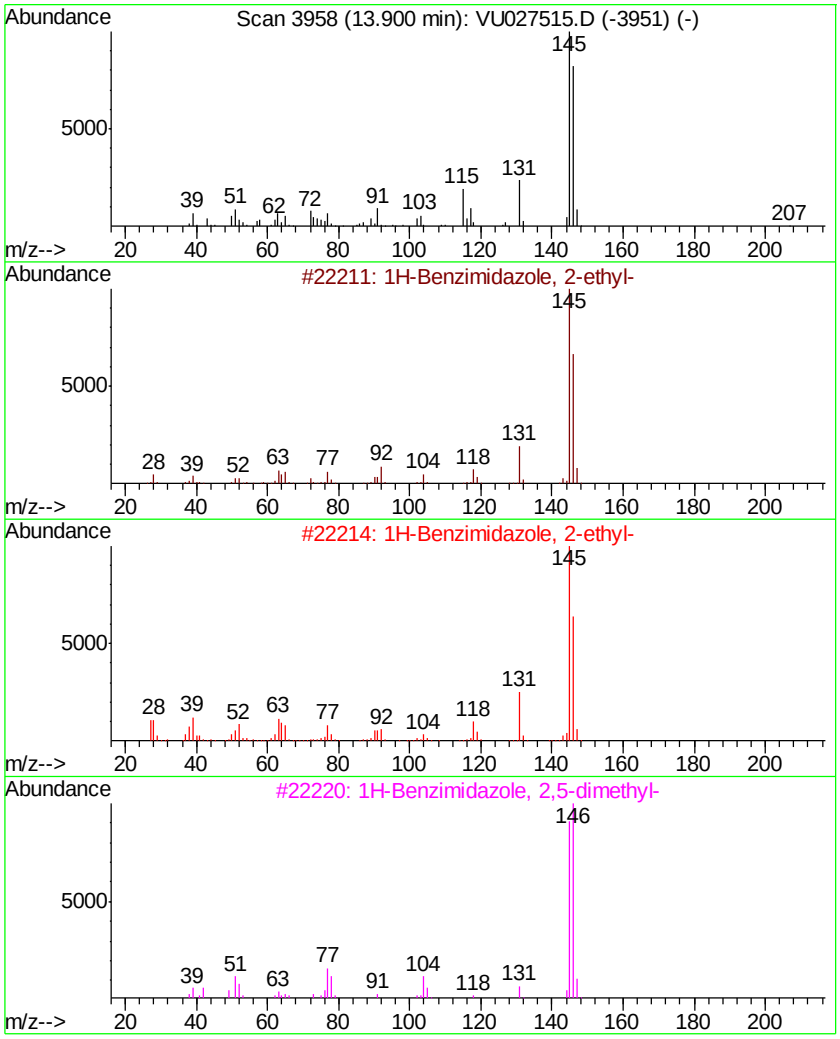
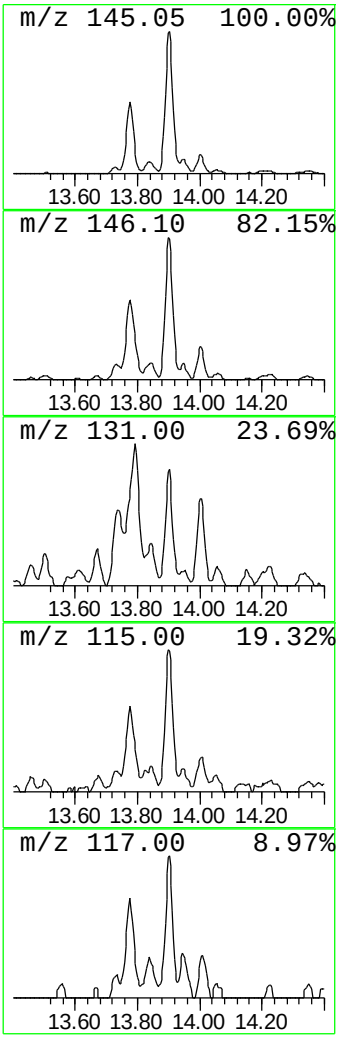
Peak Number 17 1H-Benzimidazole, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	9.87 ug/L	97511	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
2	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
3	1H-Benzimidazole, 2,5-dimethyl-	146	C9H10N2	001792-41-2	59
4	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	53
5	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis

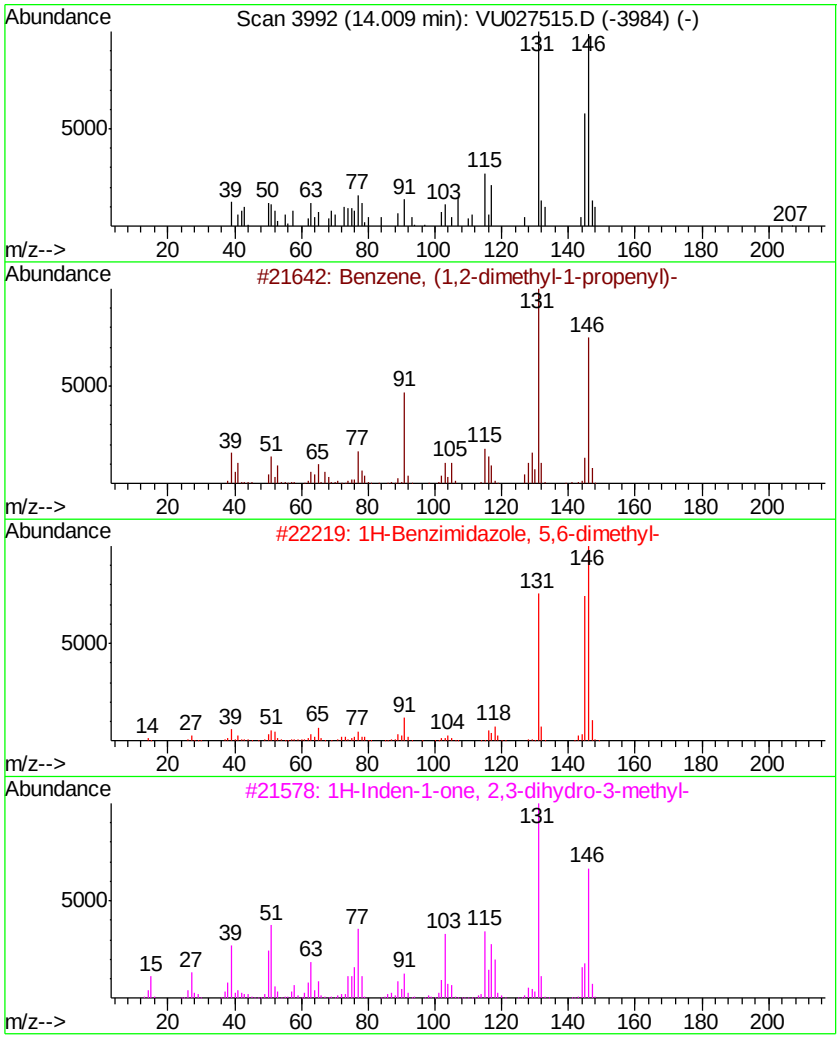
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

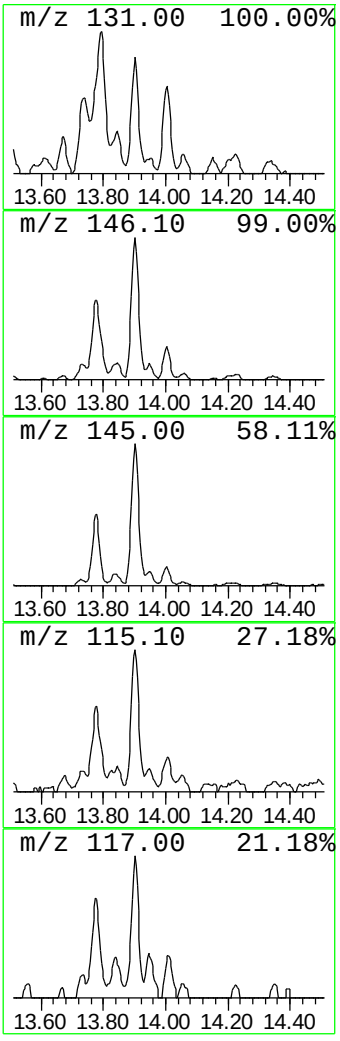
****

Peak Number 18 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	3.01 ug/L	29718	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	74
2	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	74
3	1H-Inden-1-one, 2,3-dihydro-3-me...	146	C10H10O	006072-57-7	72
4	3-Buten-2-one, 4-phenyl-	146	C10H10O	000122-57-6	72
5	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100818\
Data File : VU027515.D
Acq On : 08 Oct 2018 21:30
Operator : MD/SY
Sample : J5298-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E62W8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.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-...	10.97	4.0	ug/L	39074	3	11.48	494157	50.0
Benzene, 1,2,3-tr...	11.15	6.5	ug/L	64612	3	11.48	494157	50.0
Indane	11.76	8.8	ug/L	86846	3	11.48	494157	50.0
Indene	11.98	9.8	ug/L	96570	3	11.48	494157	50.0
1,3-Cyclopentaned...	12.12	2.5	ug/L	24992	3	11.48	494157	50.0
(DEL) Alkane: Cyc...	12.39	6.3	ug/L	61825	3	11.48	494157	50.0
Benzofuran, 2,3-d...	12.47	4.0	ug/L	39009	3	11.48	494157	50.0
Benzofuran, 2-met...	12.59	12.0	ug/L	118994	3	11.48	494157	50.0
Benzofuran, 7-met...	12.69	22.5	ug/L	222731	3	11.48	494157	50.0
Benzene, 1-etheny...	13.13	6.3	ug/L	62244	3	11.48	494157	50.0
2-Methylindene	13.19	7.2	ug/L	70875	3	11.48	494157	50.0
1H-Indene, 3-methyl-	13.29	12.6	ug/L	124855	3	11.48	494157	50.0
Azulene	13.74	9.5	ug/L	93451	3	11.48	494157	50.0
1H-Benzimidazole,...	13.90	9.9	ug/L	97511	3	11.48	494157	50.0
Benzene, (1,2-dim...	14.01	3.0	ug/L	29718	3	11.48	494157	50.0