LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

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\SOMULM041719WMA.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 | 1.180 | 23 | 28 | 35 | rVB2 | 15086 | 13763 | 0.01% | 0.005% |
| 2 | 1.396 | 88 | 95 | 108 | rBV | 274067 | 299324 | 0.26% | 0.101% |
| 3 | 1.679 | 176 | 183 | 194 | rBV | 224668 | 285964 | 0.25% | 0.097% |
| 4 | 2.264 | 355 | 365 | 379 | rVB | 479258 | 735796 | 0.63% | 0.249% |
| 5 | 2.701 | 491 | 501 | 505 | rBV5 | 10090 | 18551 | 0.02% | 0.006% |
| 6 | 2.990 | 578 | 591 | 606 | rBV5 | 13928 | 32188 | 0.03% | 0.011% |
| 7 | 3.183 | 646 | 651 | 659 | rVB7 | 2104 | 2787 | 0.00% | 0.001% |
| 8 | 3.299 | 673 | 687 | 701 | rVV3 | 15531 | 30998 | 0.03% | 0.010% |
| 9 | 3.418 | 718 | 724 | 731 | rVB6 | 1319 | 1700 | 0.00% | 0.001% |
| 10 | 3.646 | 788 | 795 | 798 | rBV6 | 2782 | 3635 | 0.00% | 0.001% |
| 11 | 3.740 | 815 | 824 | 837 | rVB10 | 2236 | 4523 | 0.00% | 0.002% |
| 12 | 3.881 | 863 | 868 | 870 | rBV4 | 1694 | 1556 | 0.00% | 0.001% |
| 13 | 3.990 | 888 | 902 | 914 | rVV5 | 7629 | 17950 | 0.02% | 0.006% |
| 14 | 4.087 | 916 | 932 | 951 | rVB3 | 28355 | 75814 | 0.07% | 0.026% |
| 15 | 4.193 | 951 | 965 | 1009 | rBV | 147449 | 508155 | 0.44% | 0.172% |
| 16 | 4.643 | 1085 | 1105 | 1128 | rBV | 279995 | 682944 | 0.59% | 0.231% |
| 17 | 4.987 | 1198 | 1212 | 1226 | rBV6 | 24208 | 58677 | 0.05% | 0.020% |
| 18 | 5.077 | 1228 | 1240 | 1257 | rVB5 | 14602 | 39718 | 0.03% | 0.013% |
| 19 | 5.219 | 1273 | 1284 | 1297 | rBV4 | 8950 | 18751 | 0.02% | 0.006% |
| 20 | 5.334 | 1298 | 1320 | 1354 | rBV2 | 605188 | 1848352 | 1.59% | 0.624% |
| 21 | 5.537 | 1373 | 1383 | 1398 | rVB6 | 15402 | 38445 | 0.03% | 0.013% |
| 22 | 5.620 | 1398 | 1409 | 1423 | rVB6 | 9726 | 22704 | 0.02% | 0.008% |
| 23 | 5.784 | 1451 | 1460 | 1467 | rVB5 | 5065 | 7828 | 0.01% | 0.003% |
| 24 | 5.881 | 1476 | 1490 | 1532 | rBV | 652510 | 1394322 | 1.20% | 0.471% |
| 25 | 6.180 | 1575 | 1583 | 1585 | rBV6 | 4782 | 5415 | 0.00% | 0.002% |
| 26 | 6.325 | 1615 | 1628 | 1645 | rBV | 399530 | 835595 | 0.72% | 0.282% |
| 27 | 6.637 | 1722 | 1725 | 1737 | rVB7 | 3723 | 6471 | 0.01% | 0.002% |
| 28 | 6.817 | 1772 | 1781 | 1783 | rBV4 | 1631 | 2116 | 0.00% | 0.001% |
| 29 | 6.910 | 1799 | 1810 | 1811 | rBV7 | 4592 | 6255 | 0.01% | 0.002% |
| 30 | 7.029 | 1843 | 1847 | 1848 | rBV2 | 2654 | 1644 | 0.00% | 0.001% |
| 31 | 7.103 | 1867 | 1870 | 1877 | rVB5 | 2388 | 2436 | 0.00% | 0.001% |
| 32 | 7.180 | 1887 | 1894 | 1896 | rBV6 | 1908 | 2408 | 0.00% | 0.001% |
| 33 | 7.225 | 1896 | 1908 | 1930 | rVV2 | 231323 | 435976 | 0.38% | 0.147% |
| 34 | 7.424 | 1963 | 1970 | 1982 | rVB10 | 4262 | 8496 | 0.01% | 0.003% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

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\SOMULM041719WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 7.563 | 1992 | 2013 | 2029 | rBV | 779351 | 1489777 | 1.28% | 0.503% |
| 36 | 7.849 | 2087 | 2102 | 2121 | rBV | 153520 | 292939 | 0.25% | 0.099% |
| 37 | 8.045 | 2156 | 2163 | 2165 | rVV8 | 2498 | 2299 | 0.00% | 0.001% |
| 38 | 8.106 | 2180 | 2182 | 2190 | rVB5 | 1710 | 1527 | 0.00% | 0.001% |
| 39 | 8.225 | 2212 | 2219 | 2224 | rBV8 | 1617 | 2011 | 0.00% | 0.001% |
| 40 | 8.315 | 2233 | 2247 | 2287 | rBV | 528031 | 1104116 | 0.95% | 0.373% |
| 41 | 8.543 | 2311 | 2318 | 2326 | rVB7 | 4779 | 7845 | 0.01% | 0.003% |
| 42 | 8.636 | 2345 | 2347 | 2355 | rVB7 | 3075 | 2772 | 0.00% | 0.001% |
| 43 | 8.746 | 2370 | 2381 | 2382 | rBV8 | 4801 | 5216 | 0.00% | 0.002% |
| 44 | 9.087 | 2475 | 2487 | 2511 | rBV | 943246 | 1684324 | 1.45% | 0.569% |
| 45 | 9.251 | 2528 | 2538 | 2560 | rBV | 69143 | 136168 | 0.12% | 0.046% |
| 46 | 9.370 | 2563 | 2575 | 2593 | rBV | 1513525 | 2631431 | 2.27% | 0.889% |
| 47 | 9.778 | 2689 | 2702 | 2736 | rVB5 | 978107 | 1959231 | 1.69% | 0.662% |
| 48 | 9.948 | 2749 | 2755 | 2764 | rVB6 | 11590 | 17833 | 0.02% | 0.006% |
| 49 | 10.164 | 2815 | 2822 | 2830 | rBV2 | 18470 | 28167 | 0.02% | 0.010% |
| 50 | 10.431 | 2894 | 2905 | 2919 | rBV | 563607 | 930062 | 0.80% | 0.314% |
| 51 | 10.585 | 2944 | 2953 | 2968 | rBV | 103945 | 169793 | 0.15% | 0.057% |
| 52 | 10.678 | 2971 | 2982 | 2998 | rBV | 479347 | 1066177 | 0.92% | 0.360% |
| 53 | 10.768 | 2999 | 3010 | 3020 | rBV | 703260 | 1120319 | 0.97% | 0.378% |
| 54 | 10.968 | 3063 | 3072 | 3078 | rBV | 179242 | 303695 | 0.26% | 0.103% |
| 55 | 11.144 | 3111 | 3127 | 3139 | rBV | 2309892 | 3624152 | 3.12% | 1.224% |
| 56 | 11.212 | 3139 | 3148 | 3157 | rVV | 762466 | 1168853 | 1.01% | 0.395% |
| 57 | 11.263 | 3157 | 3164 | 3176 | rVB | 289690 | 451859 | 0.39% | 0.153% |
| 58 | 11.479 | 3221 | 3231 | 3243 | rBV | 1095176 | 1738551 | 1.50% | 0.587% |
| 59 | 11.566 | 3249 | 3258 | 3268 | rBV | 749169 | 1124807 | 0.97% | 0.380% |
| 60 | 11.623 | 3268 | 3276 | 3294 | rVB | 517061 | 821034 | 0.71% | 0.277% |
| 61 | 11.762 | 3308 | 3319 | 3328 | rBV2 | 422826 | 747851 | 0.64% | 0.253% |
| 62 | 11.858 | 3339 | 3349 | 3365 | rVB2 | 1002743 | 1842327 | 1.59% | 0.622% |
| 63 | 11.977 | 3374 | 3386 | 3406 | rBV | 7572917 | 11926281 | 10.28% | 4.029% |
| 64 | 12.144 | 3430 | 3438 | 3441 | rBV | 123016 | 174141 | 0.15% | 0.059% |
| 65 | 12.244 | 3455 | 3469 | 3477 | rBV4 | 223496 | 496255 | 0.43% | 0.168% |
| 66 | 12.421 | 3516 | 3524 | 3535 | rVB | 429025 | 648507 | 0.56% | 0.219% |
| 67 | 12.482 | 3537 | 3543 | 3557 | rVB2 | 110281 | 169168 | 0.15% | 0.057% |
| 68 | 12.646 | 3587 | 3594 | 3602 | rVB | 206006 | 287339 | 0.25% | 0.097% |
| 69 | 12.697 | 3602 | 3610 | 3623 | rBV | 569920 | 968527 | 0.83% | 0.327% |
| 70 | 12.823 | 3641 | 3649 | 3660 | rBV4 | 327427 | 621559 | 0.54% | 0.210% |
| 71 | 12.961 | 3684 | 3692 | 3706 | rVB2 | 203343 | 304066 | 0.26% | 0.103% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
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Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

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\SOMULM041719WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.080 | 3723 | 3729 | 3731 | rBV3 | 79013 | 85617 | 0.07% | 0.029% |
| 73 | 13.115 | 3732 | 3740 | 3750 | rVV3 | 824357 | 1311091 | 1.13% | 0.443% |
| 74 | 13.180 | 3750 | 3760 | 3773 | rVB | 2652305 | 4061792 | 3.50% | 1.372% |
| 75 | 13.286 | 3782 | 3793 | 3811 | rVB | 3118504 | 4991645 | 4.30% | 1.686% |
| 76 | 13.385 | 3814 | 3824 | 3838 | rVB2 | 422015 | 758369 | 0.65% | 0.256% |
| 77 | 13.749 | 3921 | 3937 | 3961 | rVV2 | 61248926 | 116010781 | 100.00% | 39.187% |
| 78 | 13.858 | 3963 | 3971 | 3992 | rVB | 725477 | 1218676 | 1.05% | 0.412% |
| 79 | 14.141 | 4052 | 4059 | 4064 | rBV5 | 115338 | 176847 | 0.15% | 0.060% |
| 80 | 14.337 | 4110 | 4120 | 4128 | rBV2 | 417053 | 754053 | 0.65% | 0.255% |
| 81 | 14.585 | 4190 | 4197 | 4210 | rVB3 | 120271 | 196035 | 0.17% | 0.066% |
| 82 | 14.726 | 4235 | 4241 | 4258 | rVB | 228358 | 408838 | 0.35% | 0.138% |
| 83 | 14.816 | 4261 | 4269 | 4275 | rBV | 256434 | 389509 | 0.34% | 0.132% |
| 84 | 14.874 | 4275 | 4287 | 4312 | rVB2 | 31810379 | 49711825 | 42.85% | 16.792% |
| 85 | 15.057 | 4332 | 4344 | 4378 | rVB | 18539730 | 29106123 | 25.09% | 9.832% |
| 86 | 15.601 | 4503 | 4513 | 4524 | rBV | 3293289 | 4971829 | 4.29% | 1.679% |
| 87 | 15.794 | 4566 | 4573 | 4580 | rBV | 617948 | 835210 | 0.72% | 0.282% |
| 88 | 15.909 | 4597 | 4609 | 4631 | rBV | 3762971 | 6733715 | 5.80% | 2.275% |
| 89 | 16.054 | 4644 | 4654 | 4661 | rBV | 5286210 | 8375206 | 7.22% | 2.829% |
| 90 | 16.093 | 4662 | 4666 | 4680 | rVB | 2706113 | 3640771 | 3.14% | 1.230% |
| 91 | 16.186 | 4686 | 4695 | 4706 | rVB | 819741 | 1267311 | 1.09% | 0.428% |
| 92 | 16.279 | 4707 | 4724 | 4748 | rVB | 1423078 | 3707015 | 3.20% | 1.252% |
| 93 | 16.427 | 4761 | 4770 | 4787 | rBV | 859954 | 1390129 | 1.20% | 0.470% |
| 94 | 16.520 | 4788 | 4799 | 4819 | rBV2 | 1888434 | 3645277 | 3.14% | 1.231% |
| 95 | 16.626 | 4826 | 4832 | 4844 | rVB2 | 385218 | 610175 | 0.53% | 0.206% |
| 96 | 16.733 | 4856 | 4865 | 4873 | rBV | 618905 | 1045557 | 0.90% | 0.353% |
| 97 | 16.967 | 4933 | 4938 | 4945 | rVB | 425121 | 539109 | 0.46% | 0.182% |
| 98 | 17.016 | 4946 | 4953 | 4977 | rVB2 | 519086 | 1168260 | 1.01% | 0.395% |
| 99 | 17.163 | 4990 | 4999 | 5009 | rVB | 559123 | 902160 | 0.78% | 0.305% |
| 100 | 17.225 | 5010 | 5018 | 5029 | rVB | 326363 | 507955 | 0.44% | 0.172% |

Sum of corrected areas: 296043116

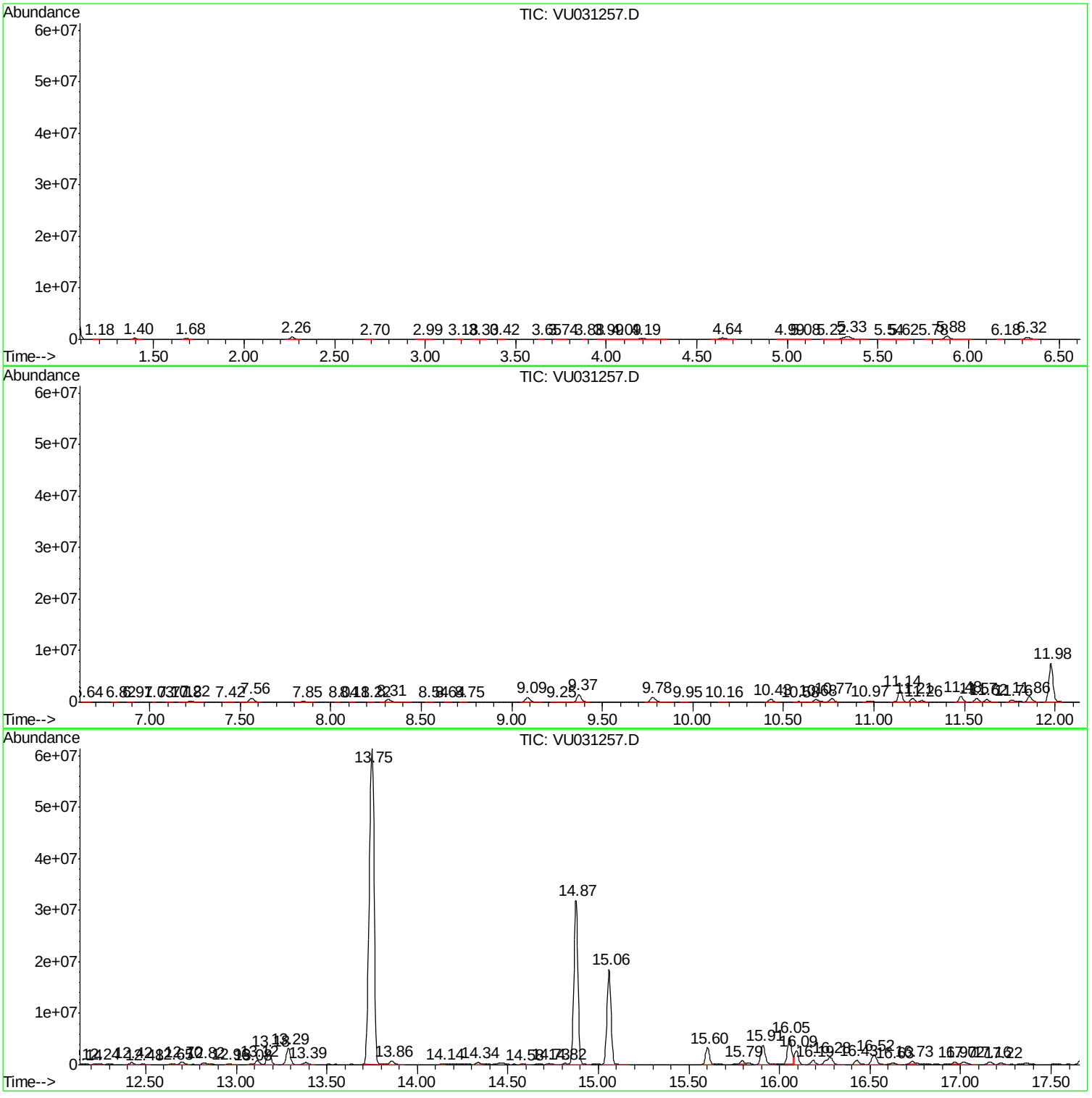
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

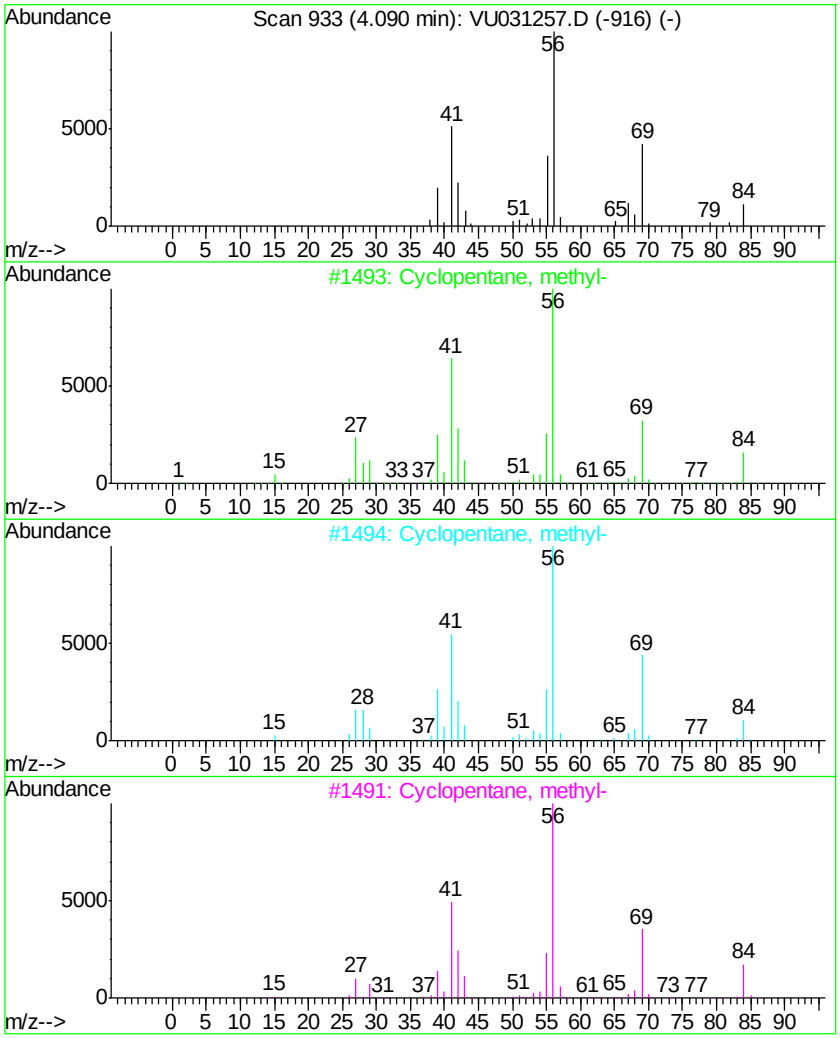
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

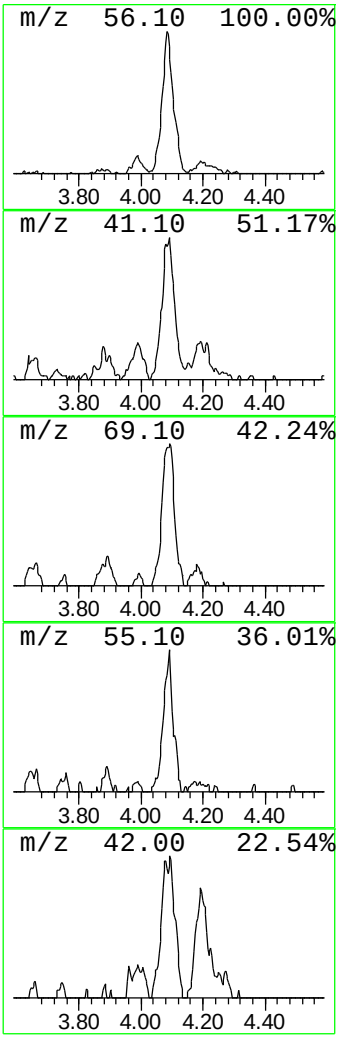
**********

Peak Number 1 (DEL) Alkane: Cyclic4.09 Concentration Rank 49

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.09 | 2.72 ug/L | 75814 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 90 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 90 |
| 3 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 78 |
| 4 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 64 |
| 5 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

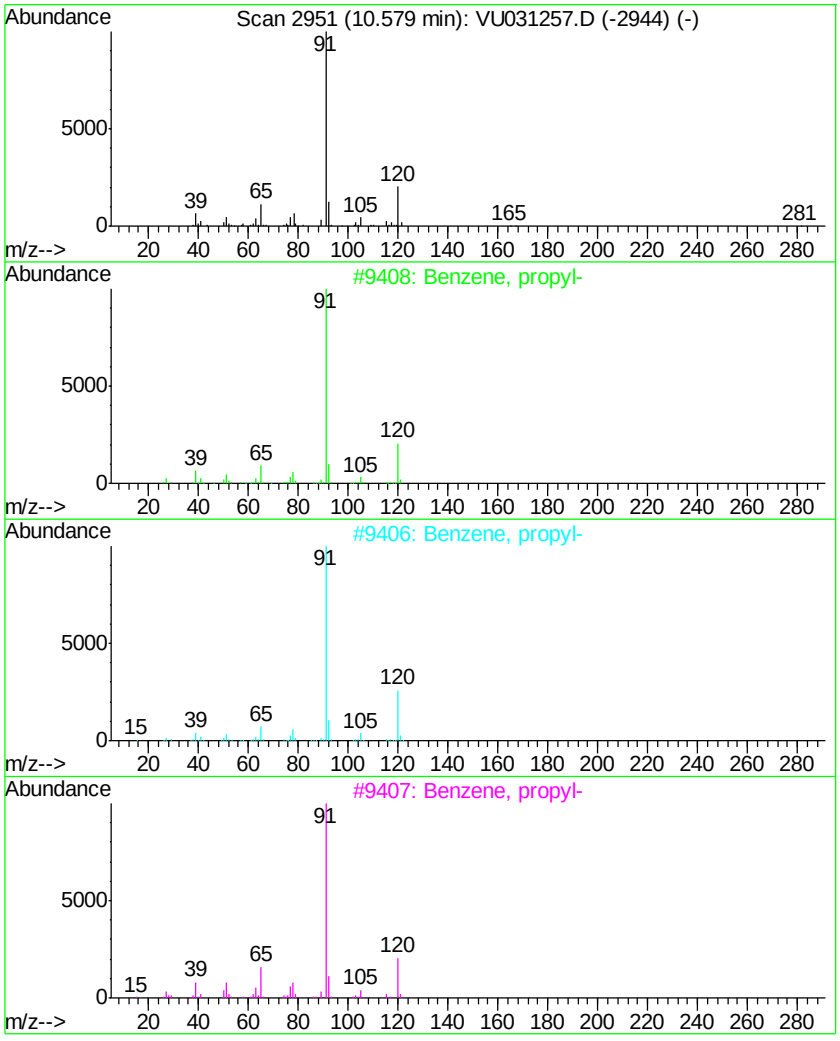
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

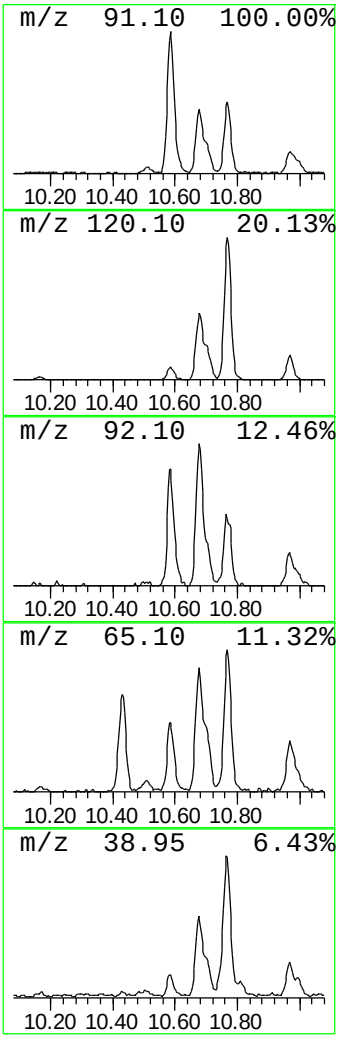
**********

Peak Number 3 Benzene, propyl- Concentration Rank 47

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.58 | 4.88 ug/L | 169793 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 90 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 87 |
| 3 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 81 |
| 4 | 1-Benzylamino-2-benzyloxyethane | 241 | C16H19NO | 038336-06-0 | 64 |
| 5 | Benzene, (ethenyloxy)- | 120 | C8H8O | 000766-94-9 | 64 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

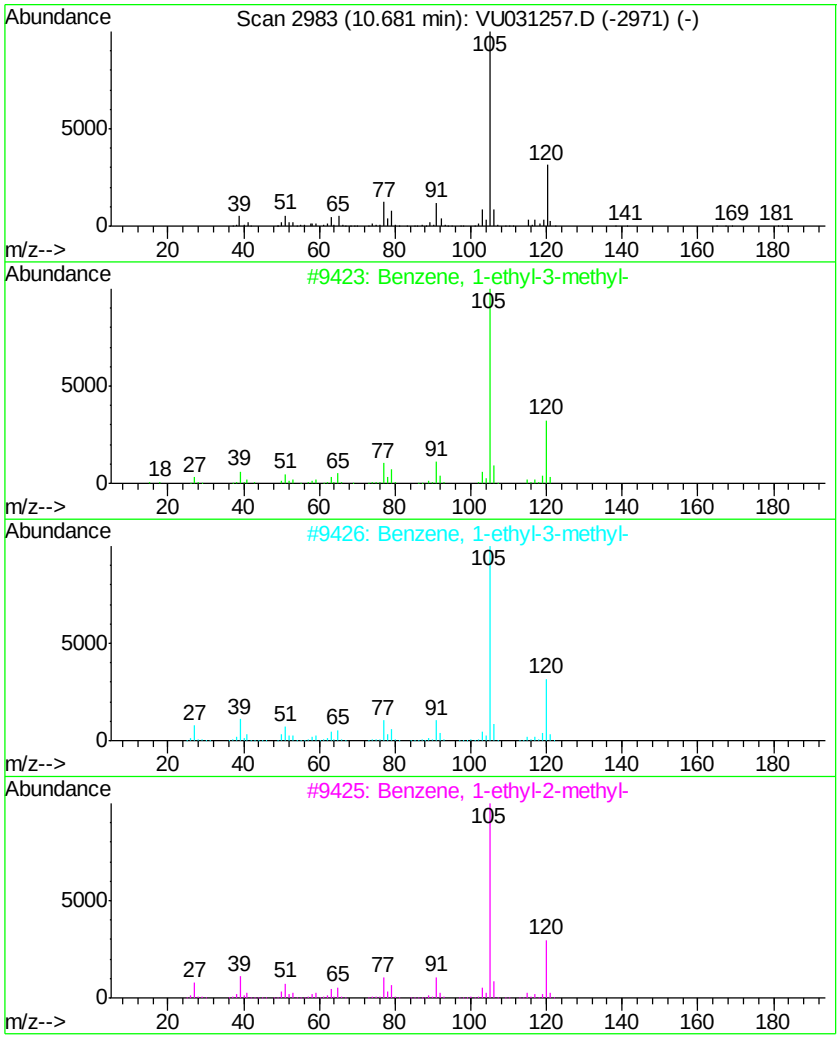
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

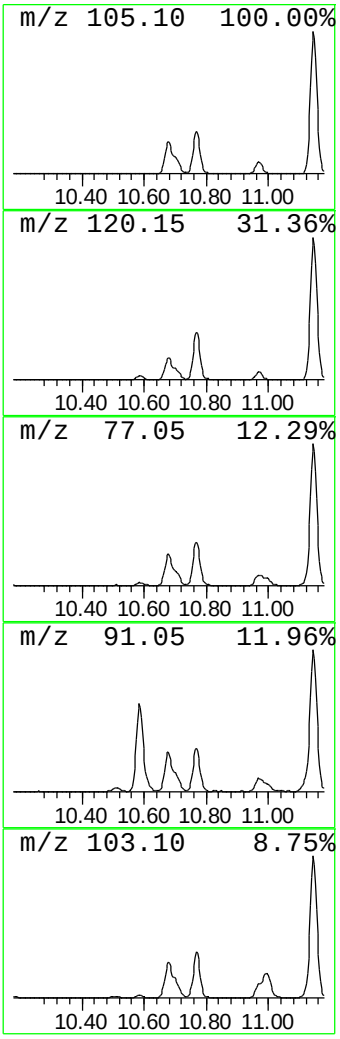
**********

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.68 | 30.66 ug/L | 1066180 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 97 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 3 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 4 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

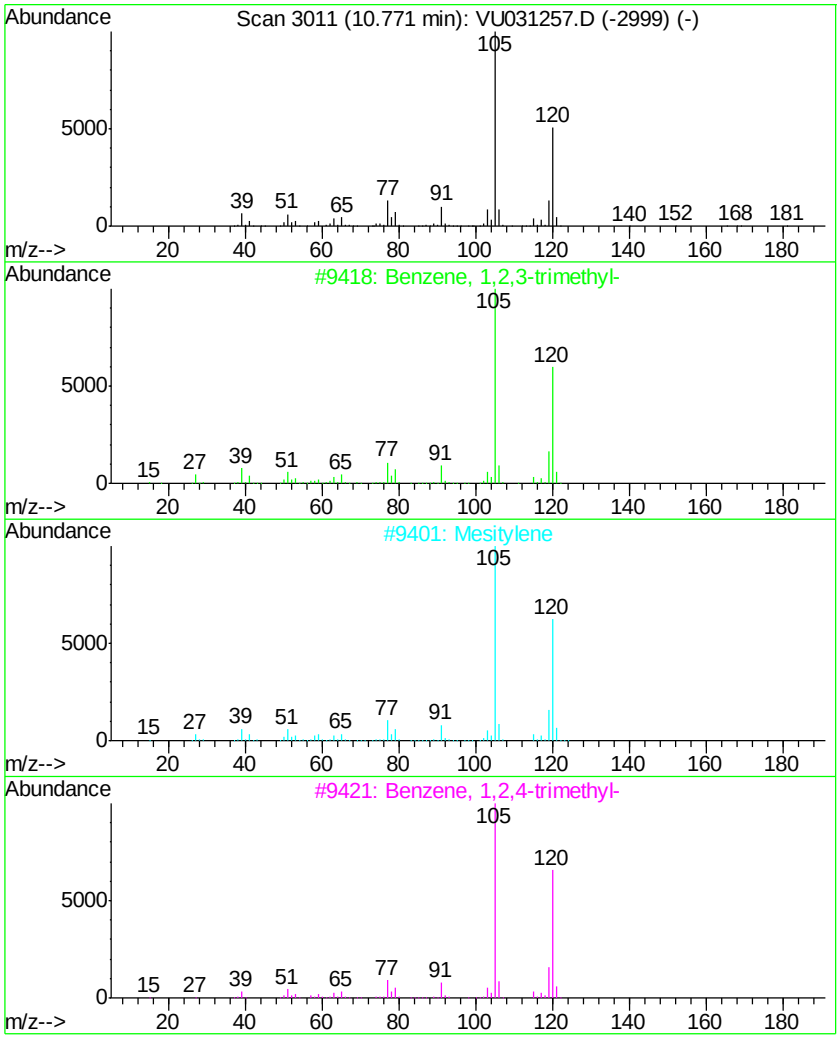
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

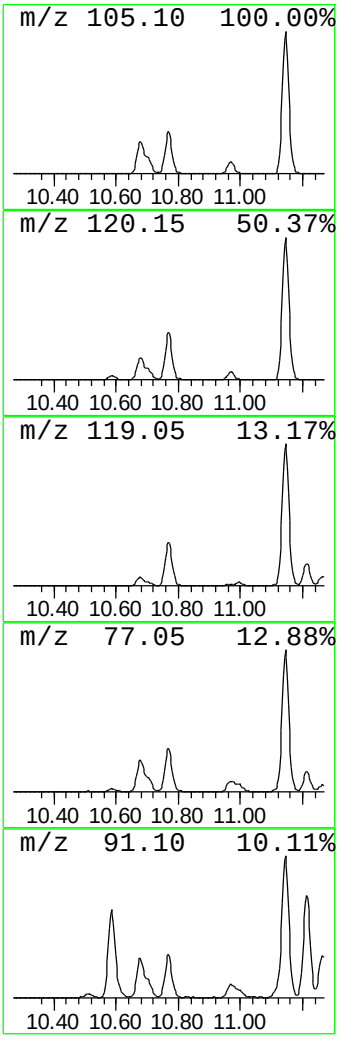
**********

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.77 | 32.22 ug/L | 1120320 | 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 | Mesitylene | 120 | C9H12 | 000108-67-8 | 95 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 95 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

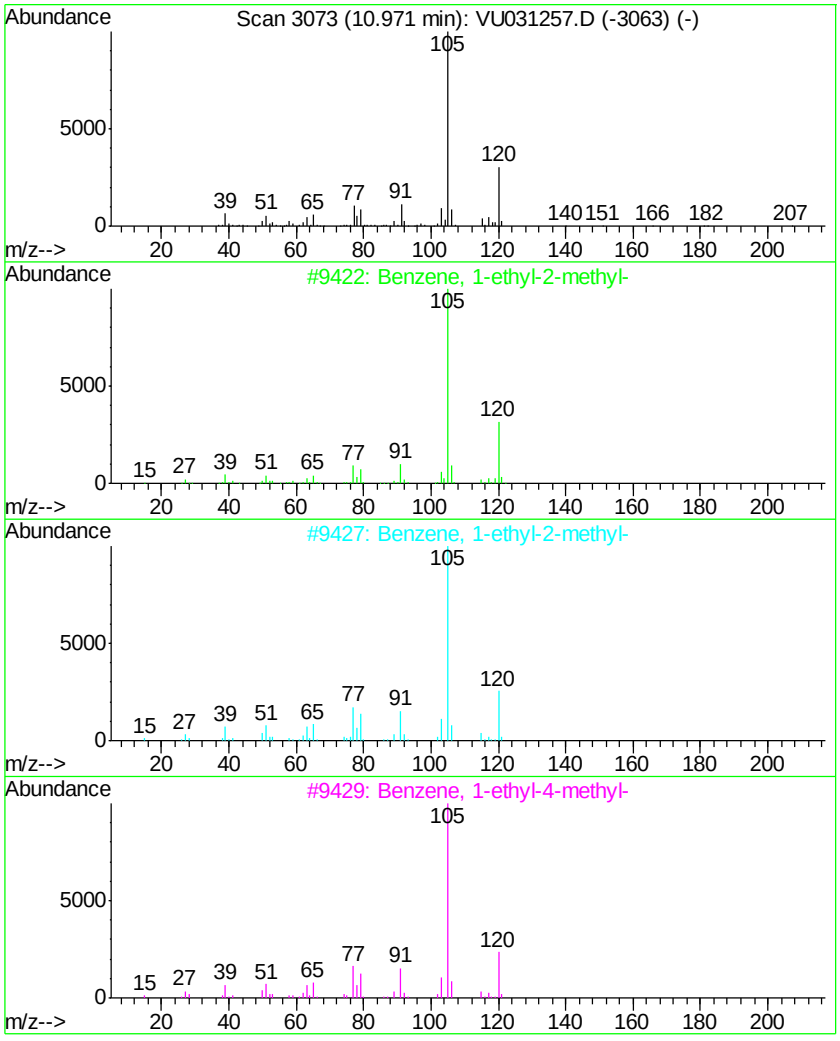
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

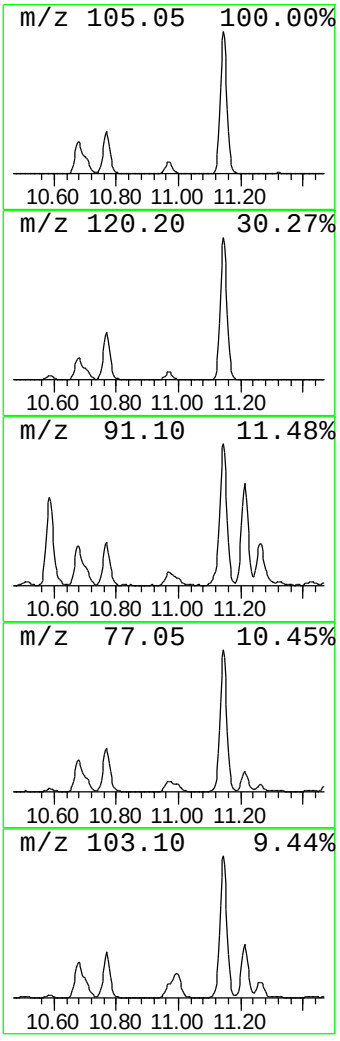
**********

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 42

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.97 | 8.73 ug/L | 303695 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 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-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Library Search Compound Report

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Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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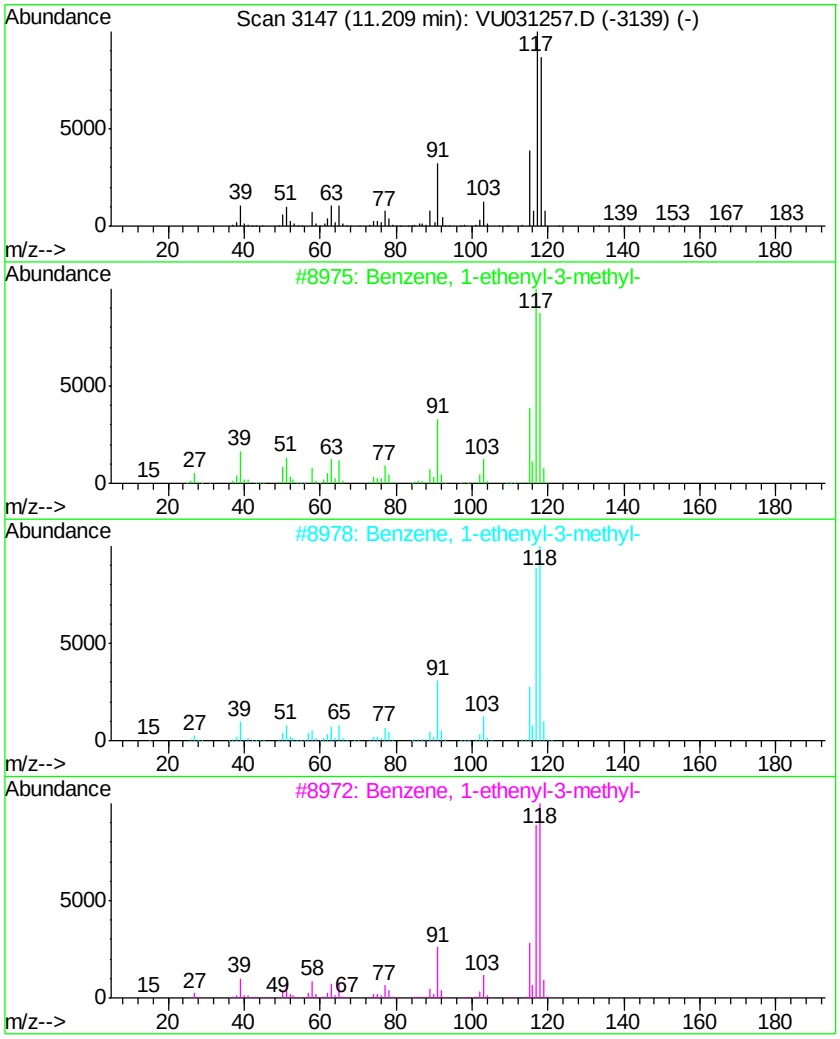
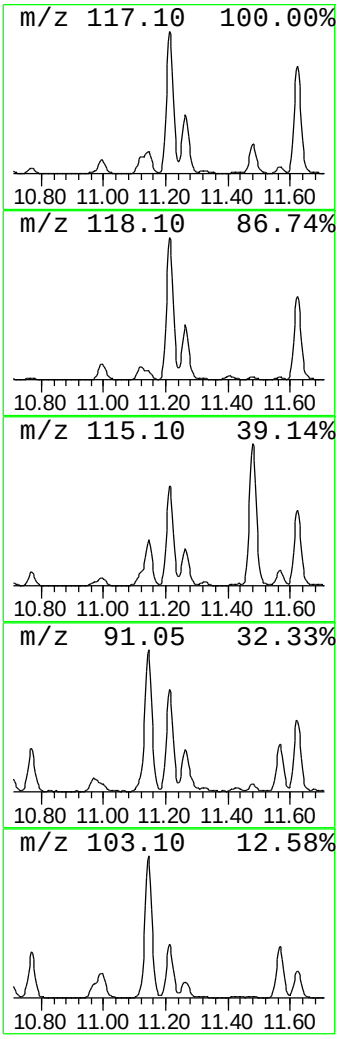
Peak Number 8 Benzene, 1-ethenyl-3-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.21 | 33.62 ug/L | 1168850 | 1,4-Dichlorobenzene-d4 | 11.48 |

| 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, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 94 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

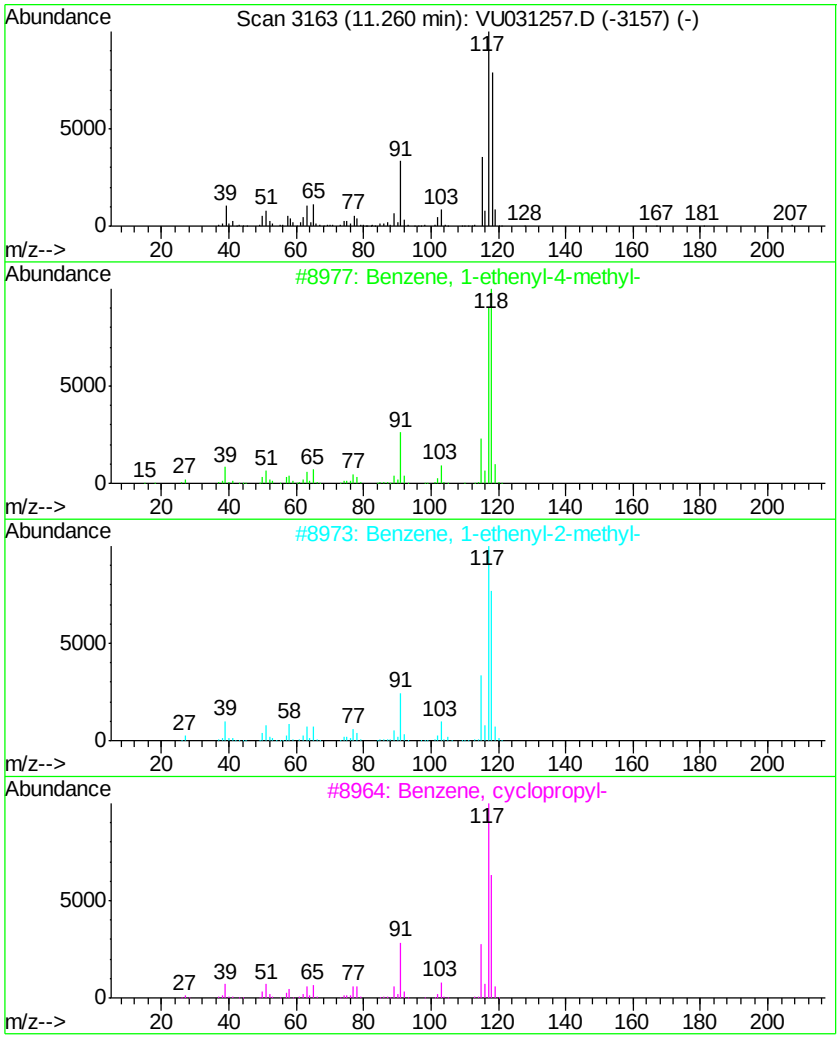
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

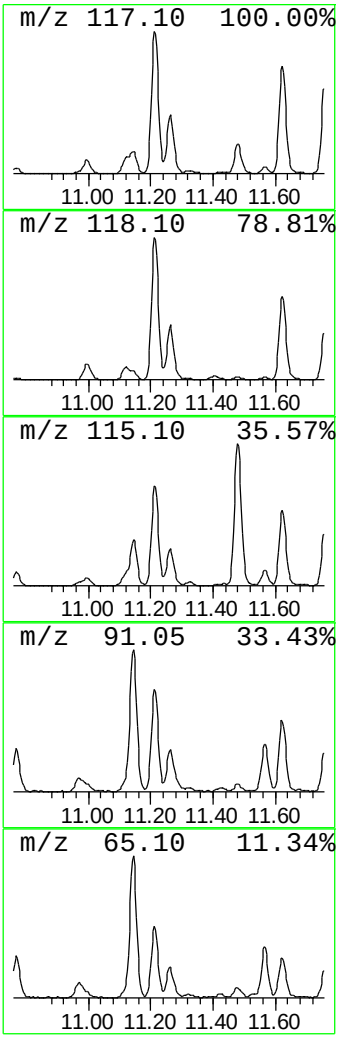
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, 1-ethenyl-4-methyl- Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.26 | 13.00 ug/L | 451859 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 94 |
| 2 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 93 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 93 |
| 4 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 93 |
| 5 | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10 | 000100-80-1 | 92 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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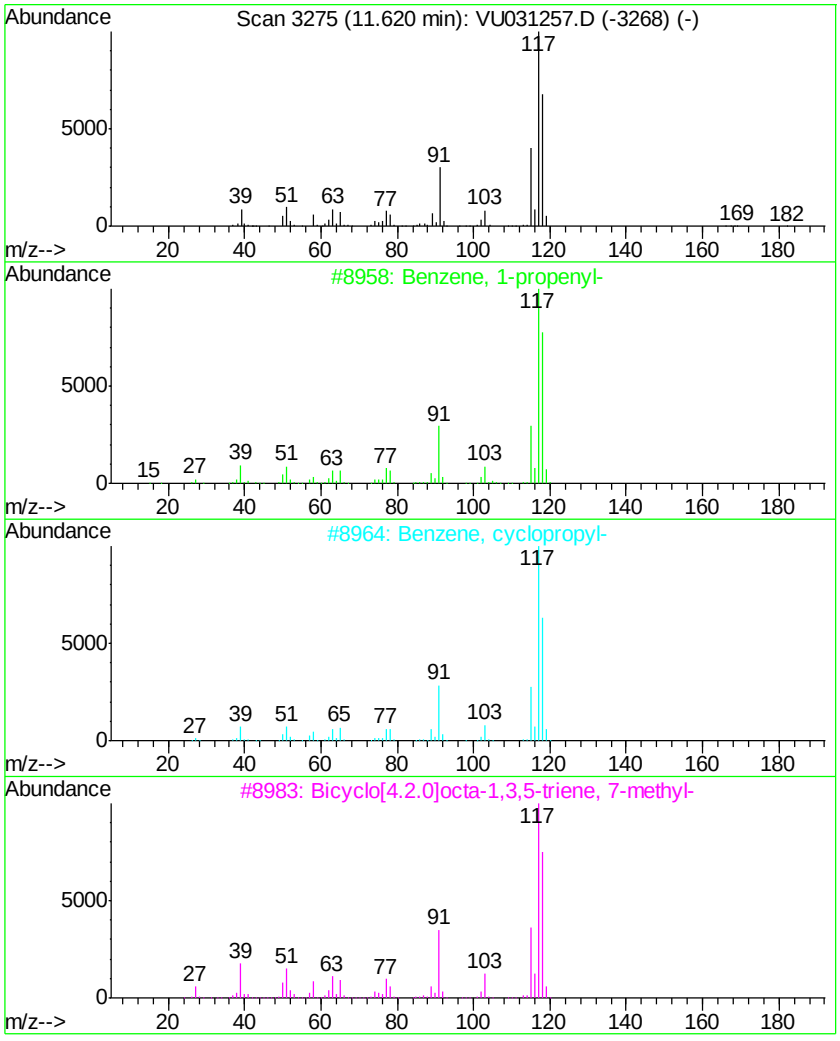
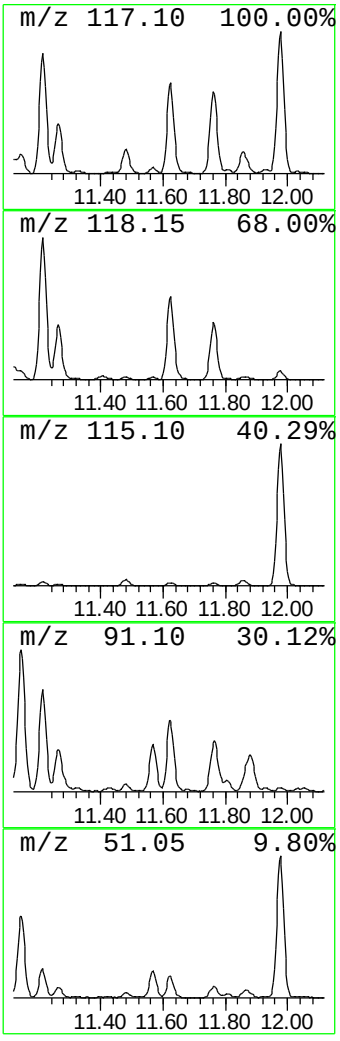
Peak Number 11 Benzene, 1-propenyl- Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.62 | 23.61 ug/L | 821034 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 95 |
| 2 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 93 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118 | C9H10 | 055337-80-9 | 90 |
| 4 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 89 |
| 5 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 89 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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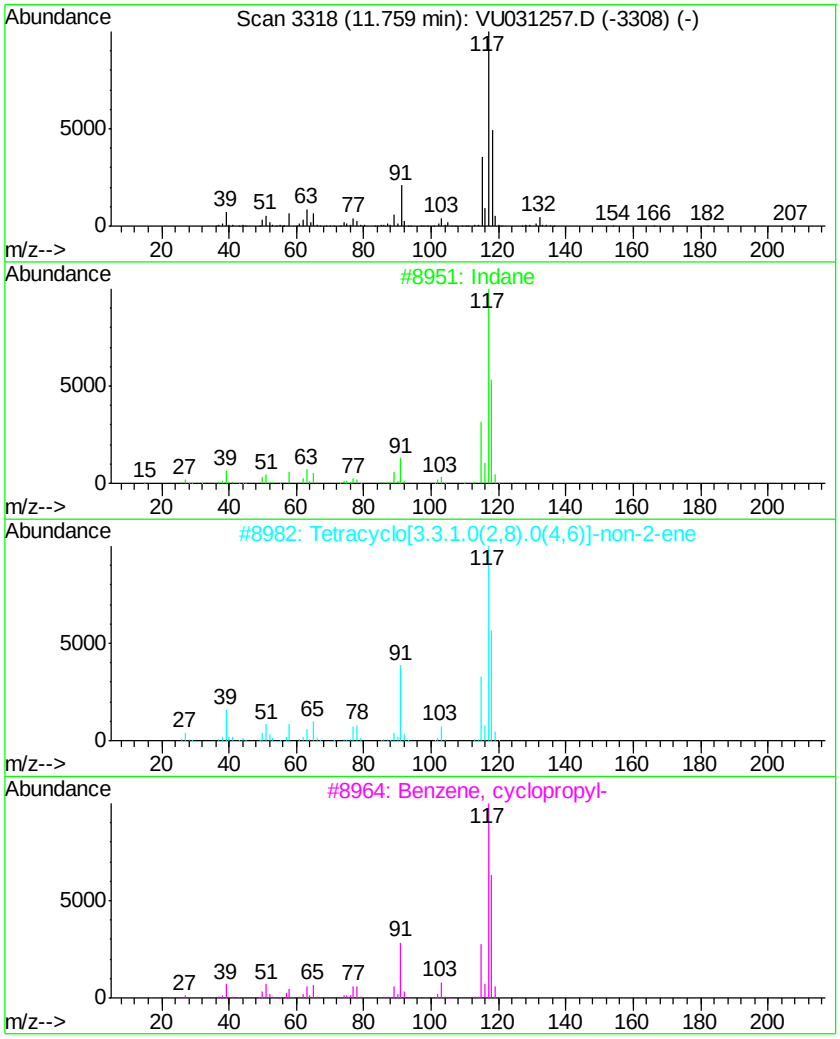
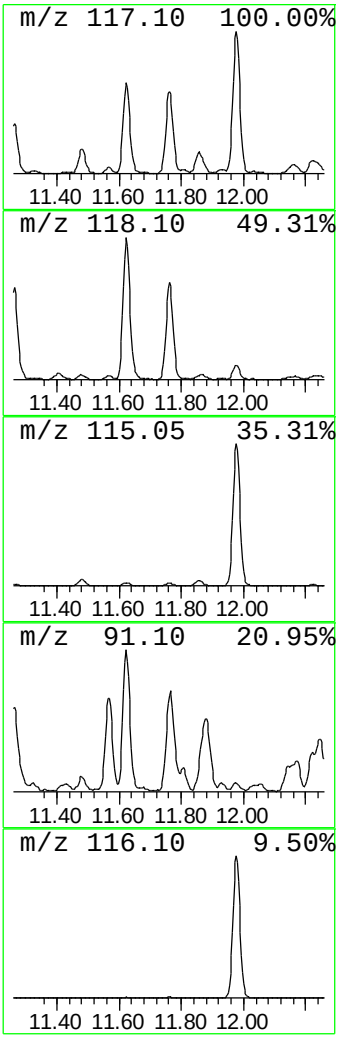
Peak Number 12 Indane Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.76 | 21.51 ug/L | 747851 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 87 |
| 2 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 81 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 76 |
| 4 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 76 |
| 5 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 72 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

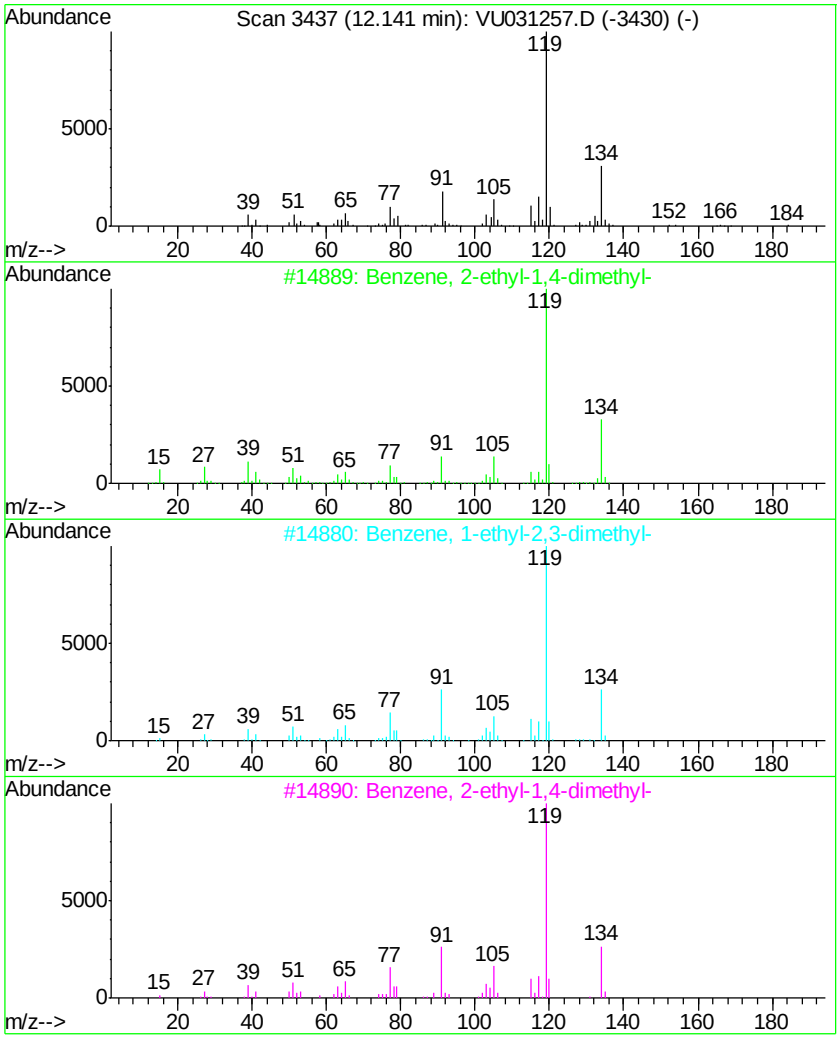
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

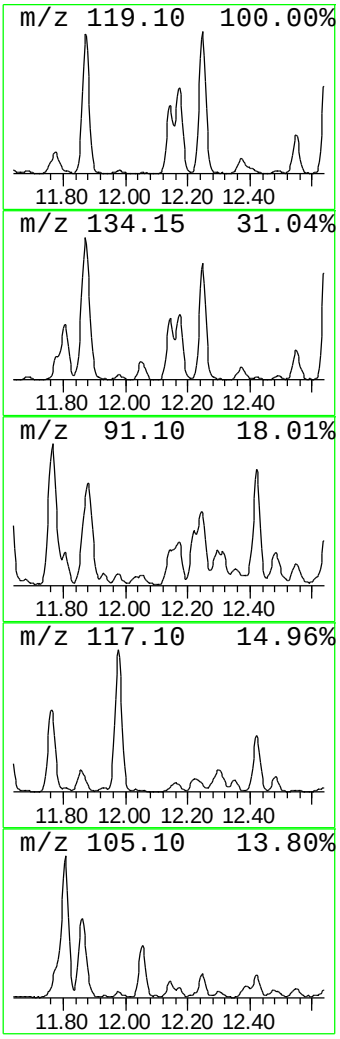
**********

Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 46

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.14 | 5.01 ug/L | 174141 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 94 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 3 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 91 |



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Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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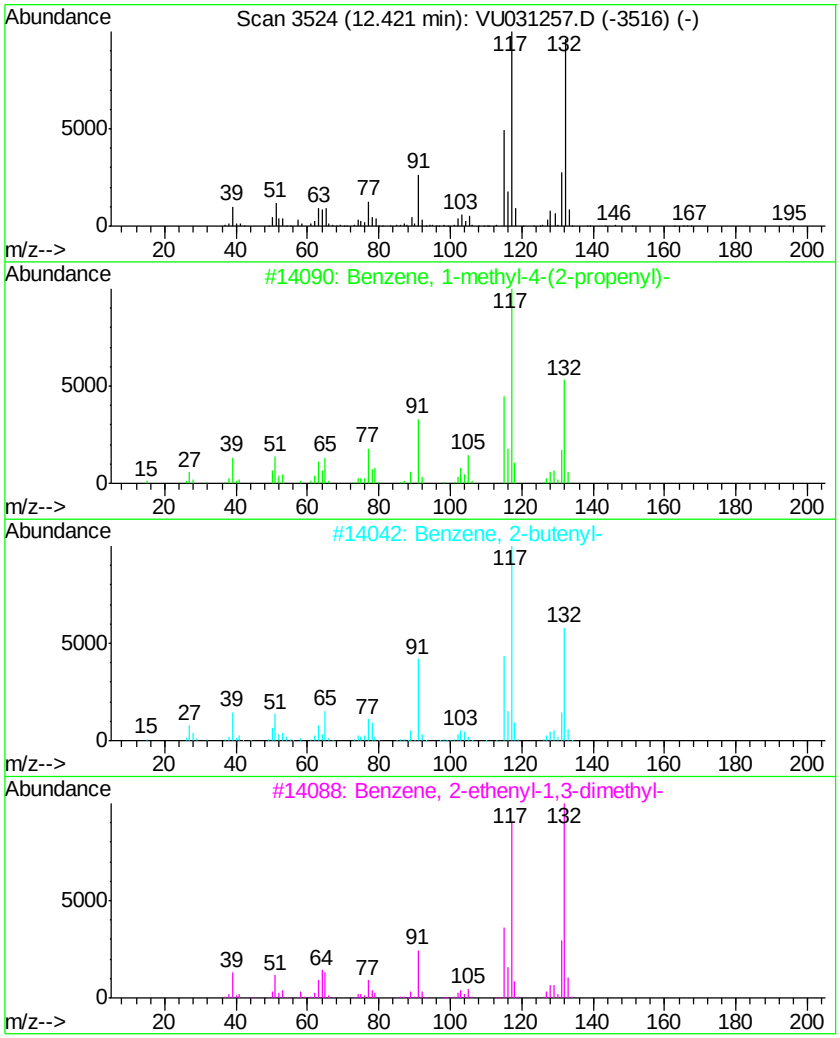
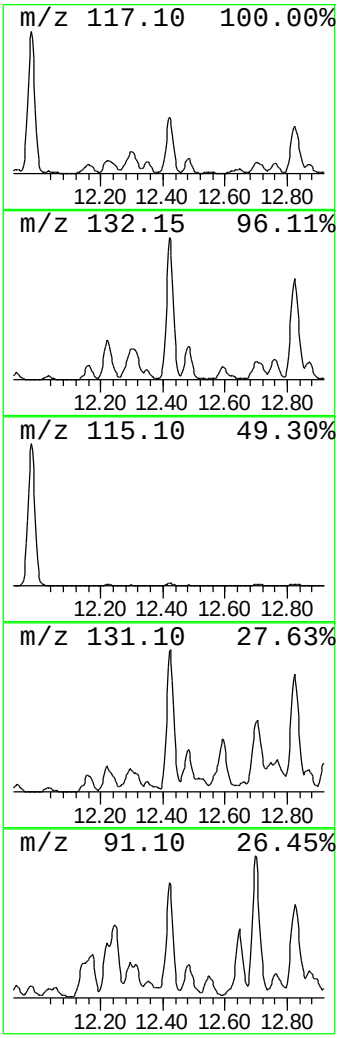
Peak Number 16 Benzene, 1-methyl-4-(2-prop... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.42 | 18.65 ug/L | 648507 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 94 |
| 2 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 94 |
| 3 | Benzene, 2-ethenyl-1,3-dimethyl- | 132 | C10H12 | 002039-90-9 | 94 |
| 4 | Benzene, 2-ethenyl-1,3-dimethyl- | 132 | C10H12 | 002039-90-9 | 93 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 93 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

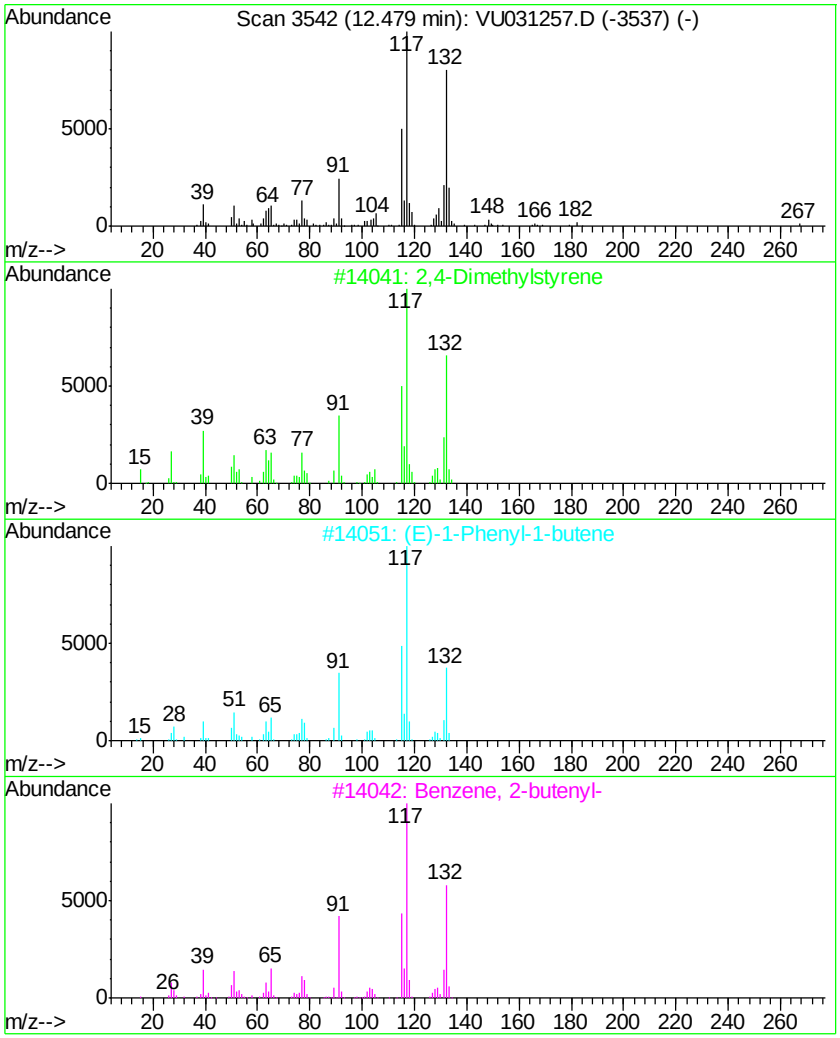
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

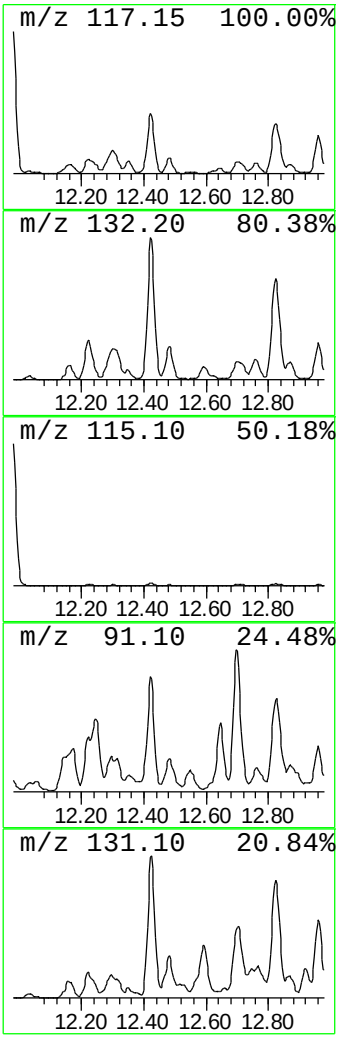
**********

Peak Number 17 2,4-Dimethylstyrene Concentration Rank 48

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.48 | 4.87 ug/L | 169168 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 94 |
| 2 | (E)-1-Phenyl-1-butene | 132 | C10H12 | 001005-64-7 | 94 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 93 |
| 4 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 93 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 93 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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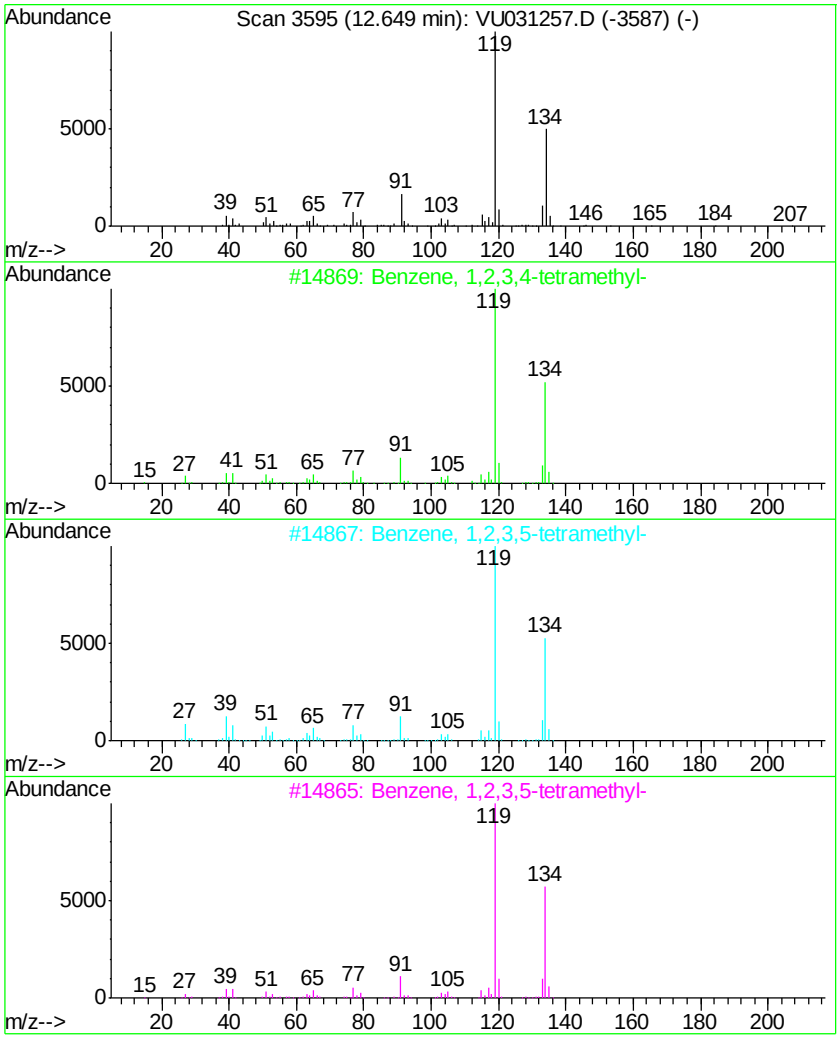
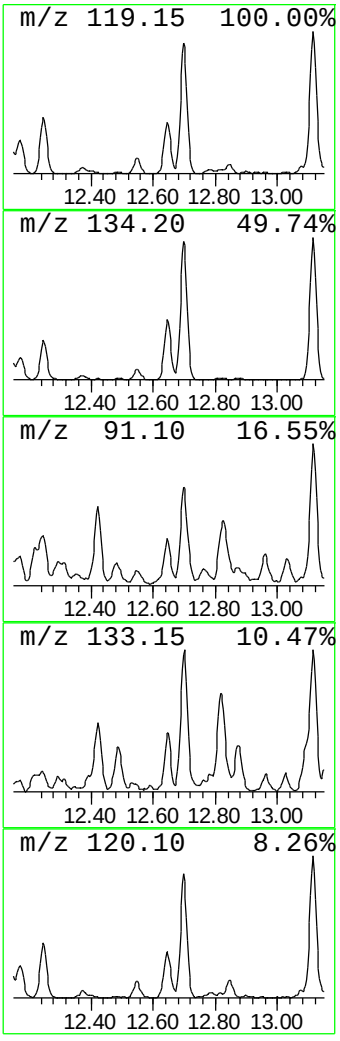
Peak Number 18 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 43

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.65 | 8.26 ug/L | 287339 | 1,4-Dichlorobenzene-d4 | 11.48 |

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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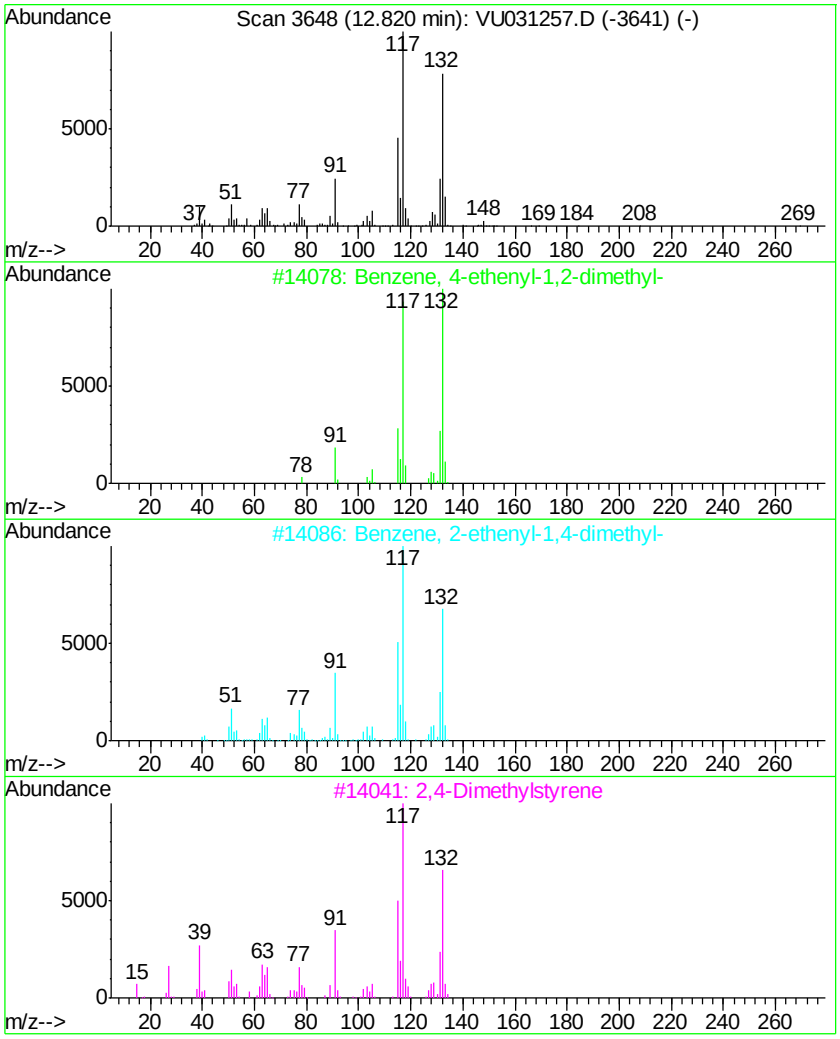
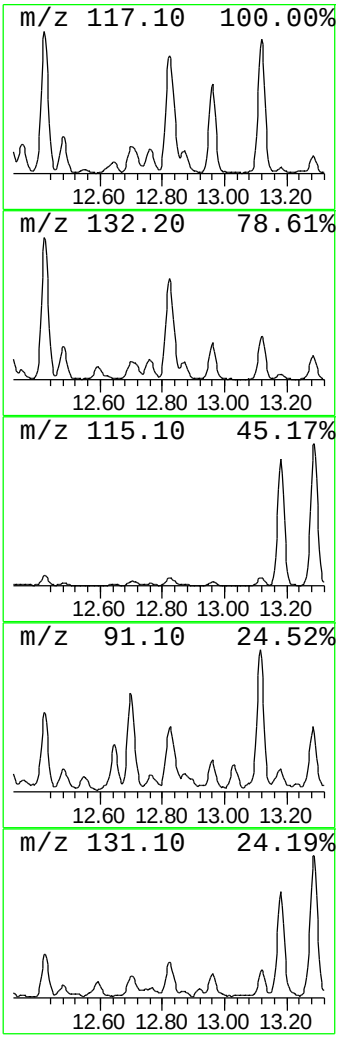
Peak Number 20 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.82 | 17.88 ug/L | 621559 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethenyl-1,2-dimethyl- | 132 | C10H12 | 027831-13-6 | 97 |
| 2 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 97 |
| 3 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 96 |
| 4 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 96 |
| 5 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 95 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

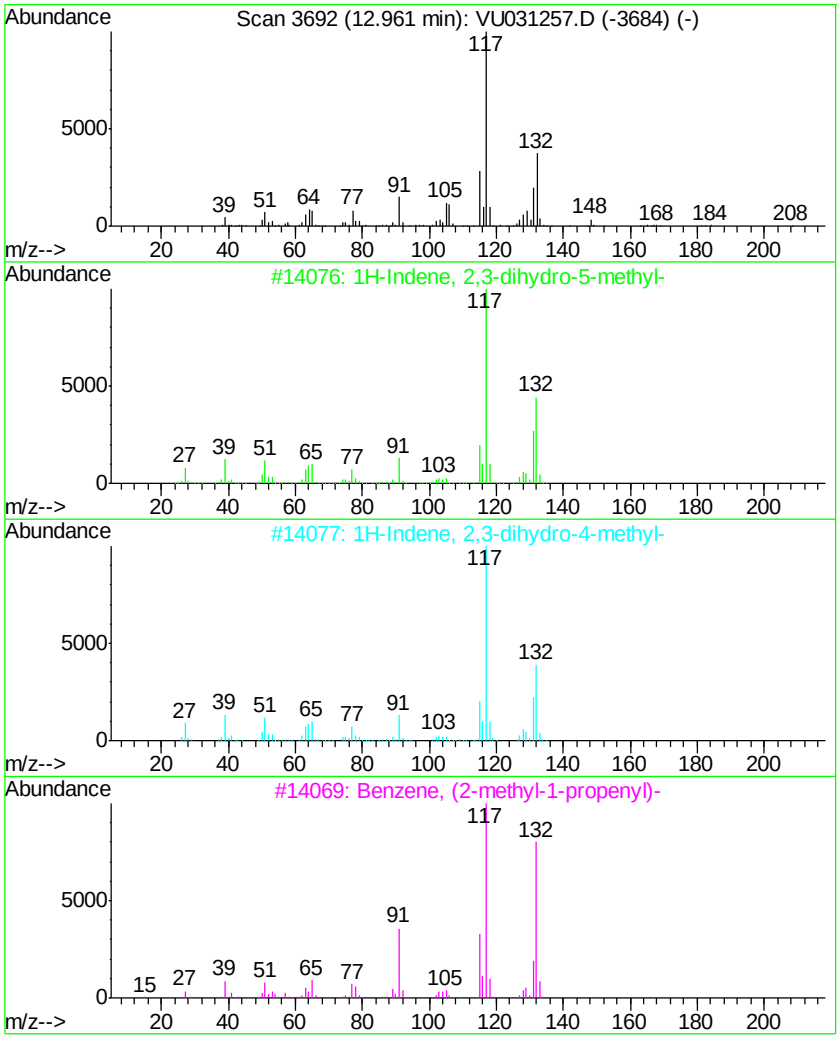
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

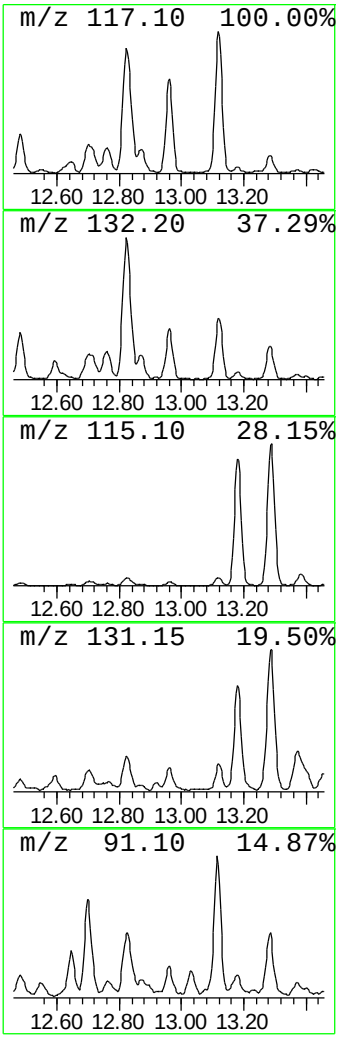
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 41

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.96 | 8.74 ug/L | 304066 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 87 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 87 |
| 3 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 87 |
| 4 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000767-99-7 | 86 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 81 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

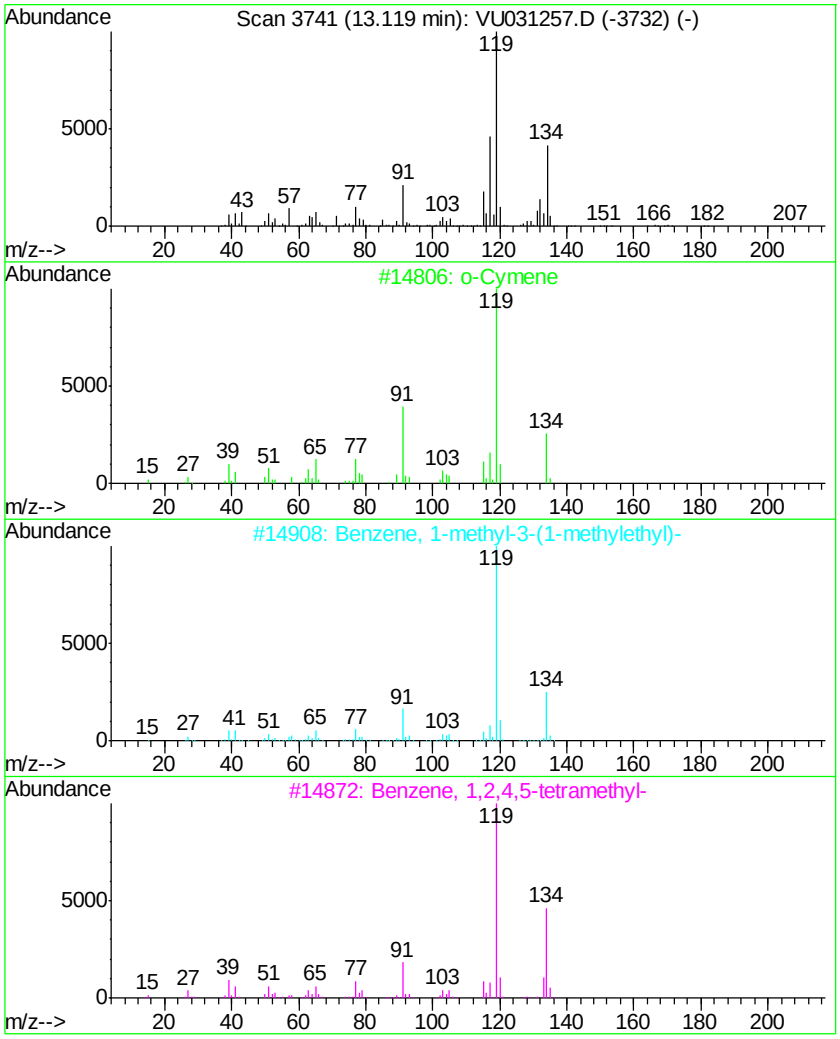
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

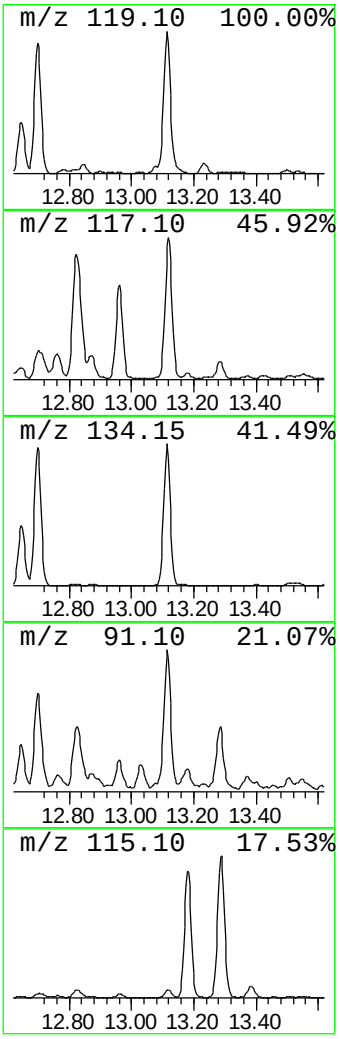
**********

Peak Number 22 o-Cymene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.12 | 37.71 ug/L | 1311090 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 70 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 70 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 70 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 70 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 70 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

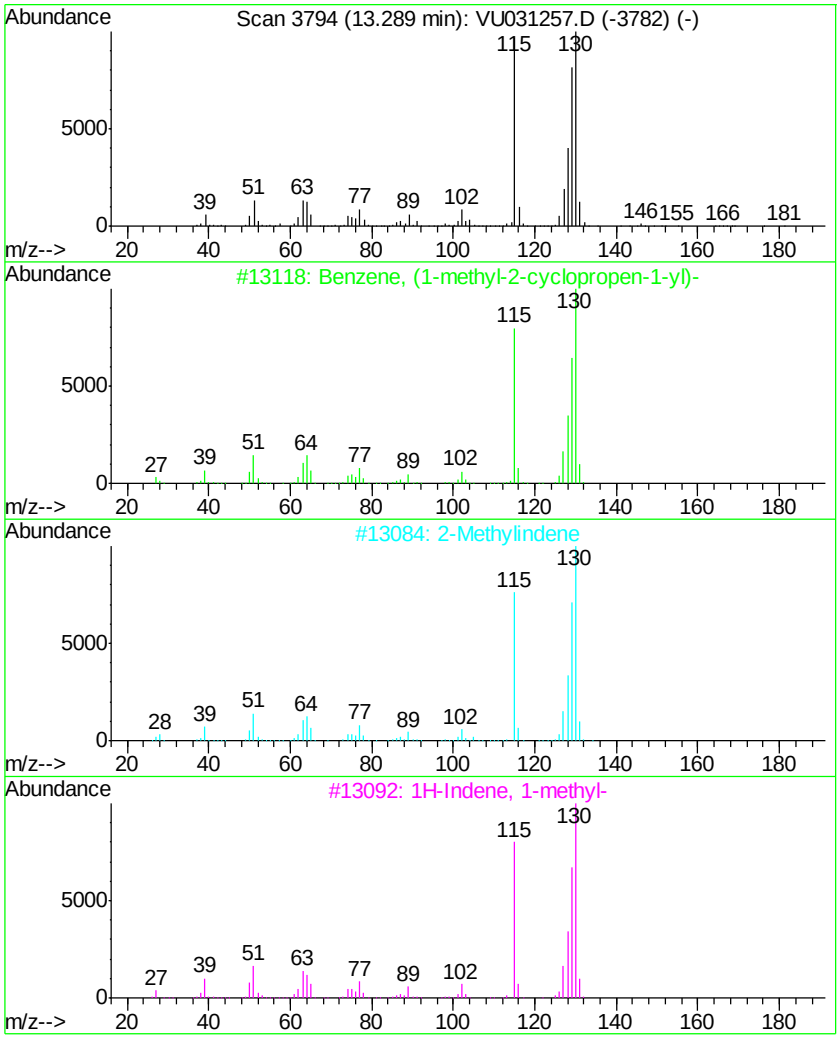
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

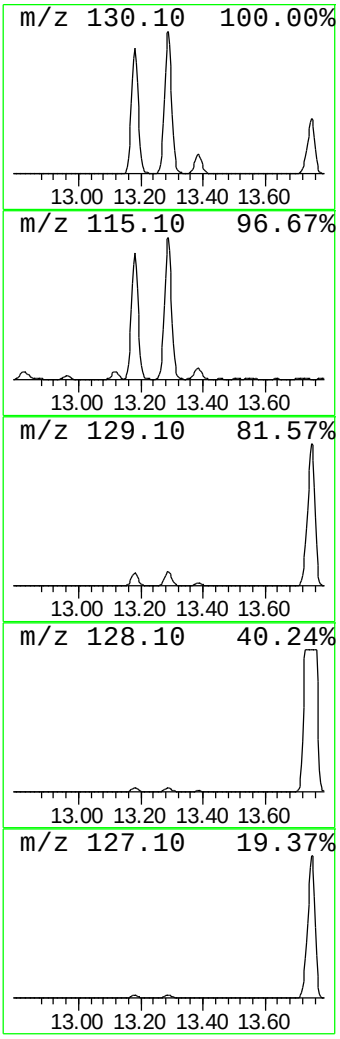
**********

Peak Number 24 Benzene, (1-methyl-2-cyclop... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.29 | 143.56 ug/L | 4991650 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10 | 065051-83-4 | 97 |
| 2 | 2-Methylindene | 130 | C10H10 | 002177-47-1 | 97 |
| 3 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 96 |
| 4 | Cyclopropa[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 95 |
| 5 | Benzene,1-methyl-1,2-propadienyl- | 130 | C10H10 | 022433-39-2 | 94 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

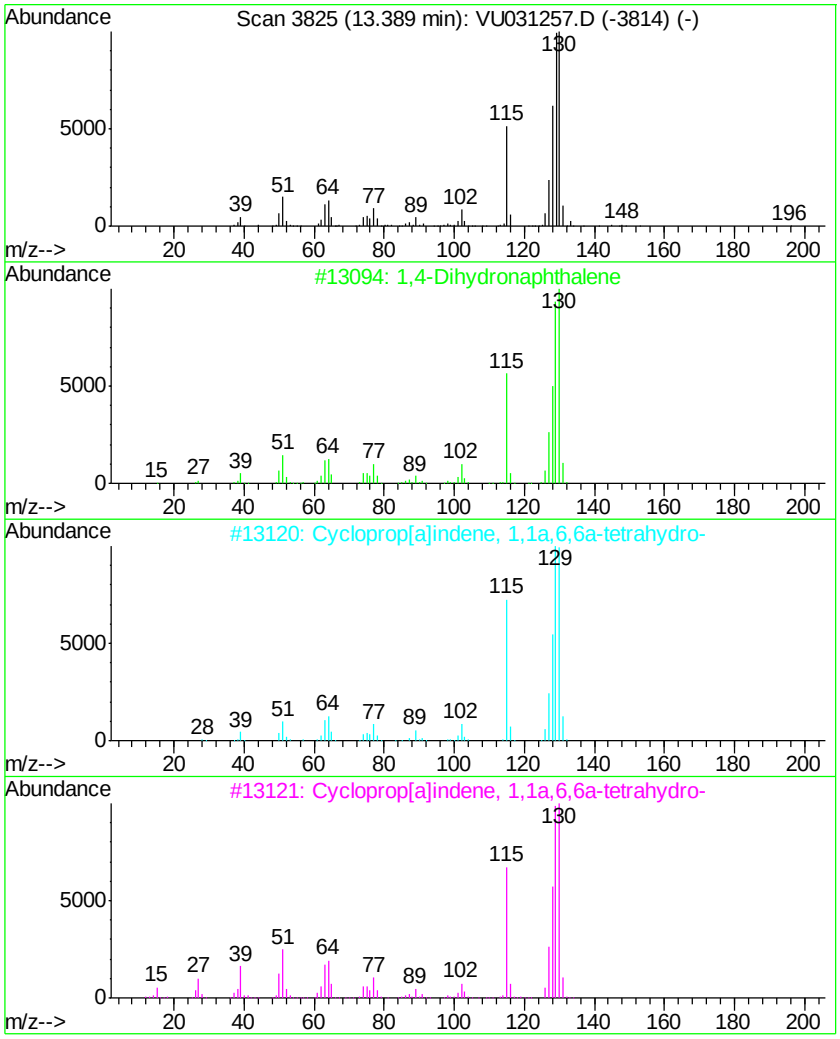
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

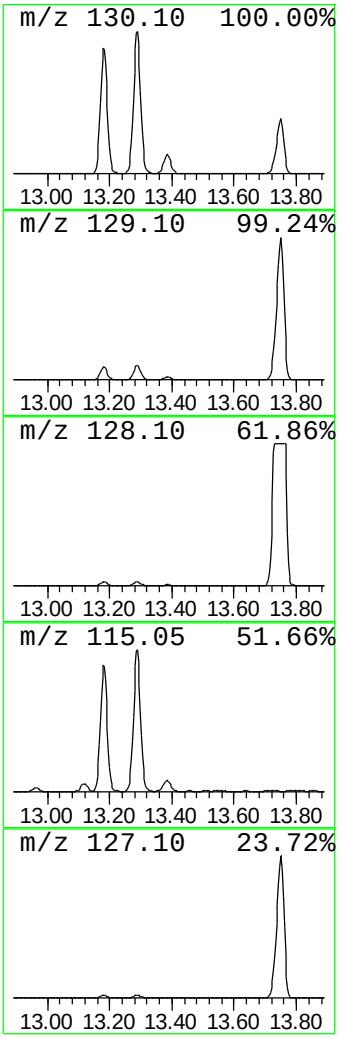
**********

Peak Number 25 1,4-Dihydronaphthalene Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.39 | 21.81 ug/L | 758369 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dihydronaphthalene | 130 | C10H10 | 000612-17-9 | 97 |
| 2 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 96 |
| 3 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 95 |
| 4 | Naphthalene, 1,2-dihydro- | 130 | C10H10 | 000447-53-0 | 95 |
| 5 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 95 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

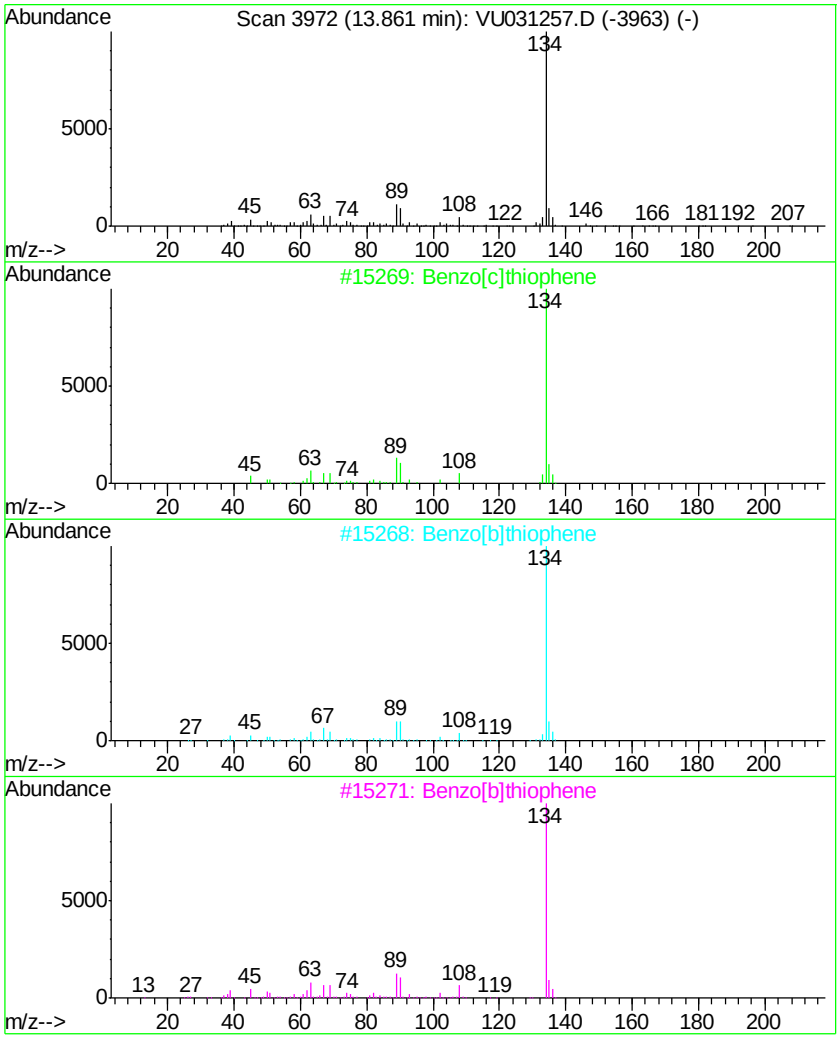
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

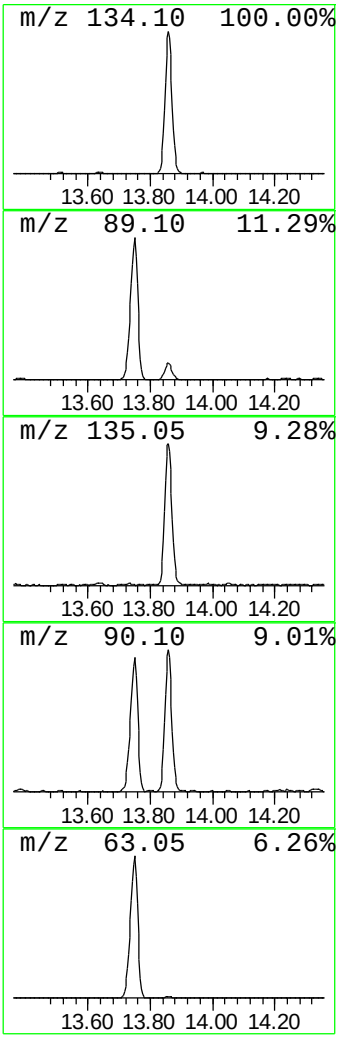
**********

Peak Number 27 Benzo[c]thiophene Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.86 | 35.05 ug/L | 1218680 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[c]thiophene | 134 | C8H6S | 000270-82-6 | 97 |
| 2 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 95 |
| 3 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 94 |
| 4 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 94 |
| 5 | Cyclopenta[c]thiapyran | 134 | C8H6S | 000270-63-3 | 94 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

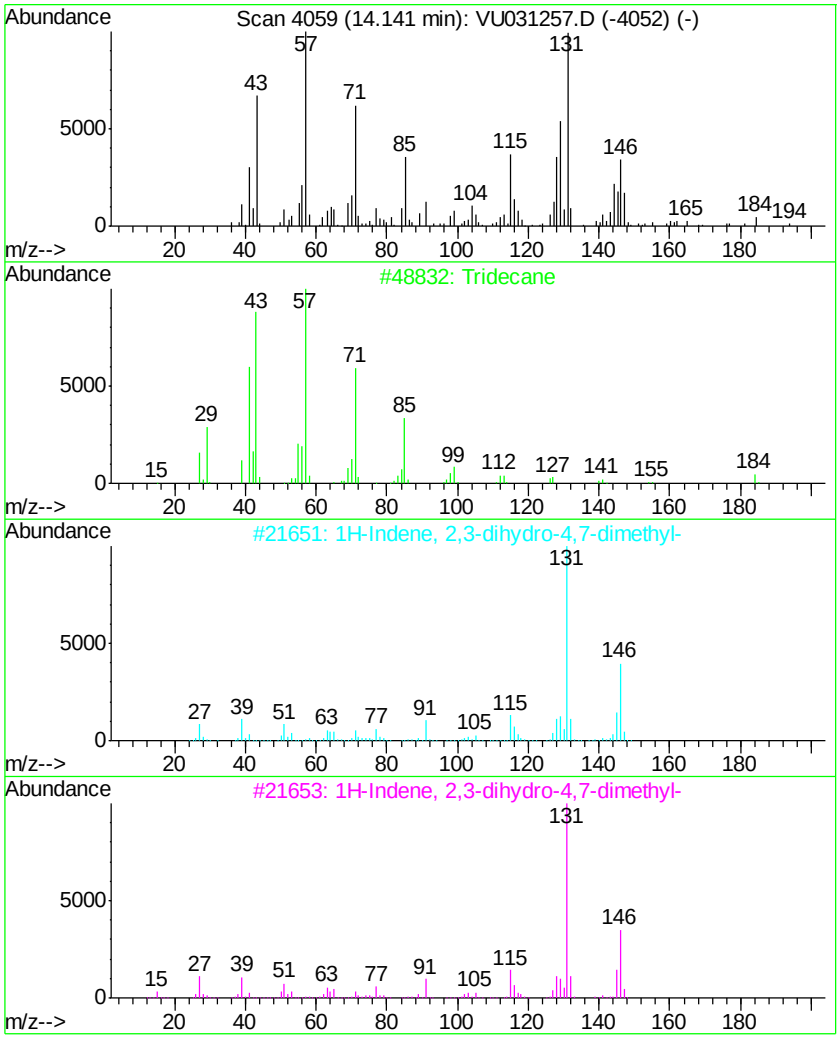
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

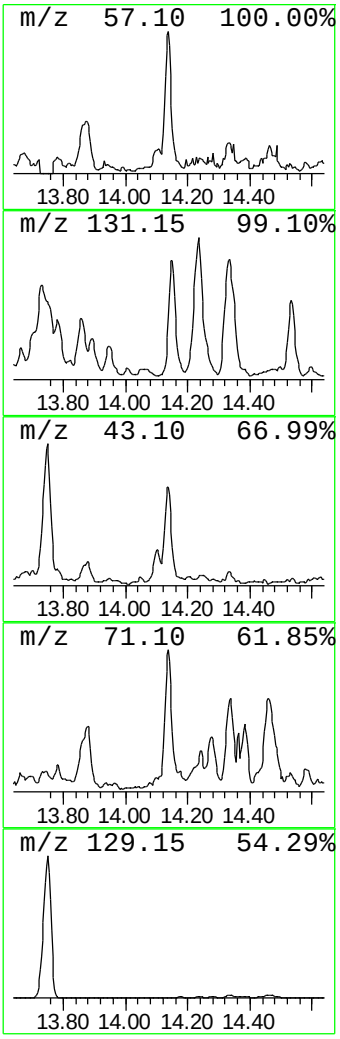
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 45

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.14 | 5.09 ug/L | 176847 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 44 |
| 2 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 43 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 43 |
| 4 | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14 | 001685-82-1 | 43 |
| 5 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 38 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

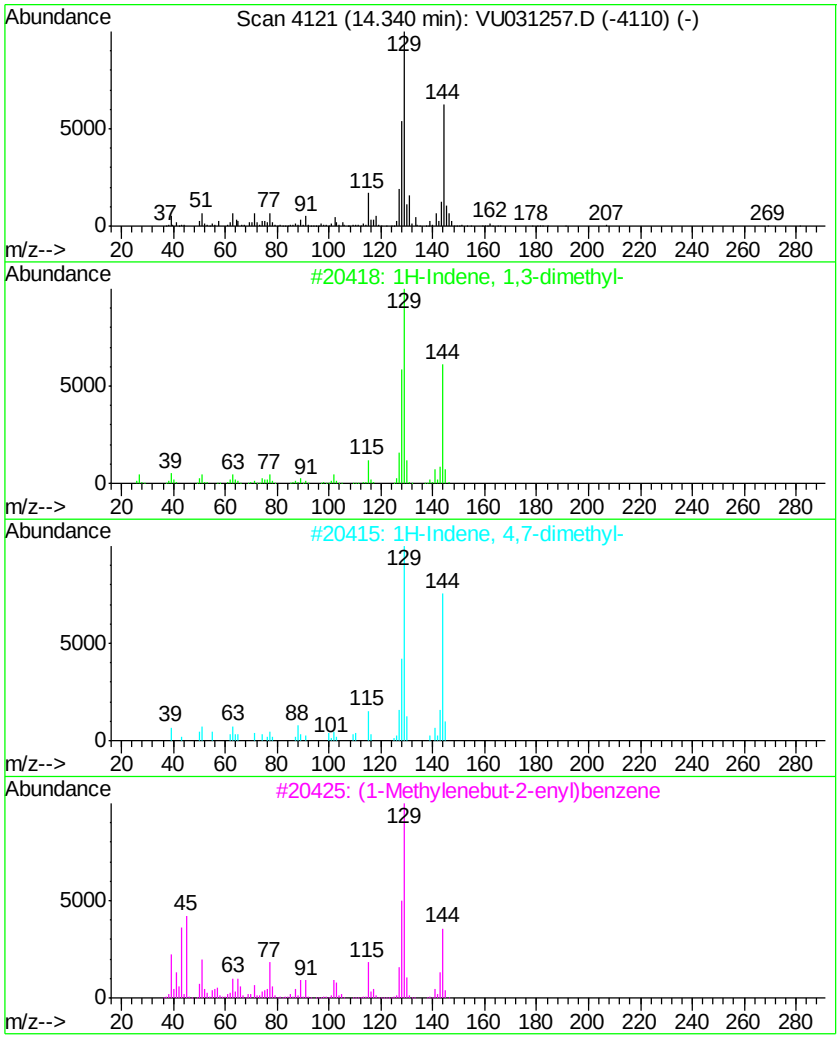
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

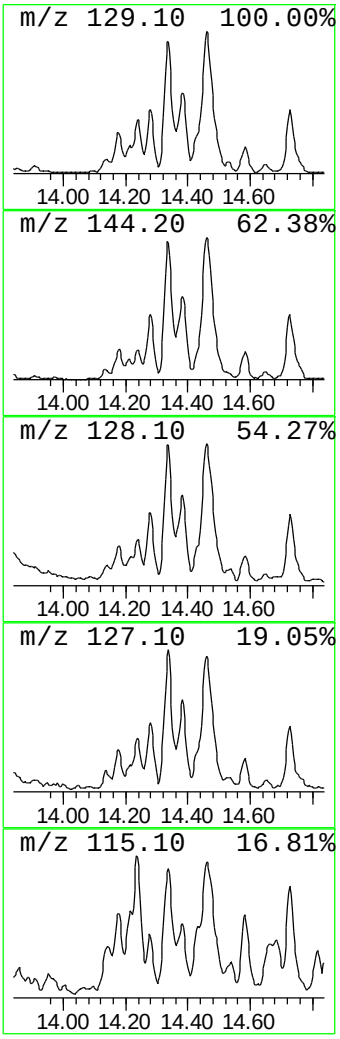
**********

Peak Number 29 1H-Indene, 1,3-dimethyl- Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.34 | 21.69 ug/L | 754053 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 1,3-dimethyl- | 144 | C11H12 | 002177-48-2 | 96 |
| 2 | 1H-Indene, 4,7-dimethyl- | 144 | C11H12 | 006974-97-6 | 91 |
| 3 | (1-Methylenebut-2-enyl)benzene | 144 | C11H12 | 070588-46-4 | 87 |
| 4 | 1H-Indene, 1,1-dimethyl- | 144 | C11H12 | 018636-55-0 | 87 |
| 5 | 1H-Indene, 2,3-dimethyl- | 144 | C11H12 | 004773-82-4 | 87 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

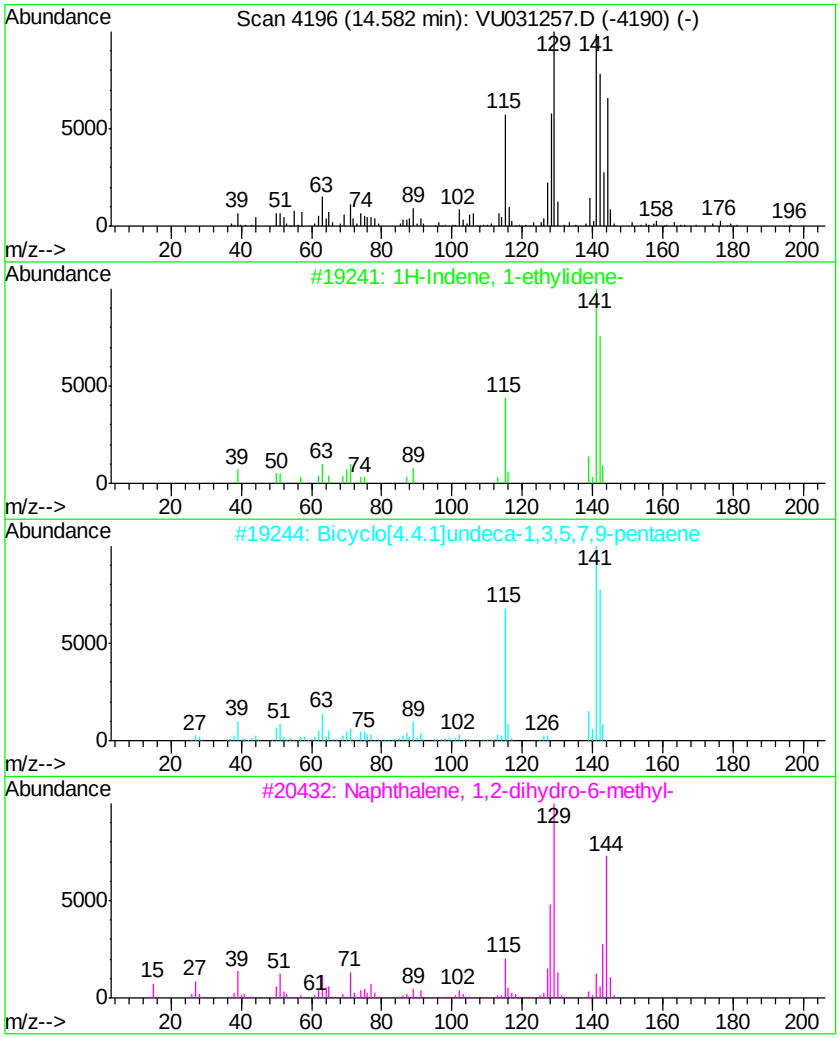
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

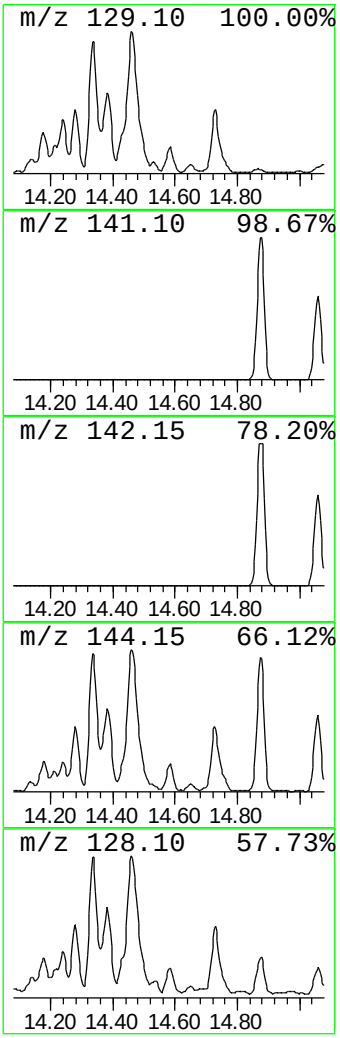
**********

Peak Number 30 1H-Indene, 1-ethylidene- Concentration Rank 44

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.58 | 5.64 ug/L | 196035 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 86 |
| 2 | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10 | 002443-46-1 | 60 |
| 3 | Naphthalene, 1,2-dihydro-6-methyl- | 144 | C11H12 | 002717-47-7 | 60 |
| 4 | (1-Methylbuta-1,3-dienyl)benzene | 144 | C11H12 | 054758-36-0 | 55 |
| 5 | 1H-Cyclopropa[b]naphthalene, 1a,... | 144 | C11H12 | 006571-72-8 | 55 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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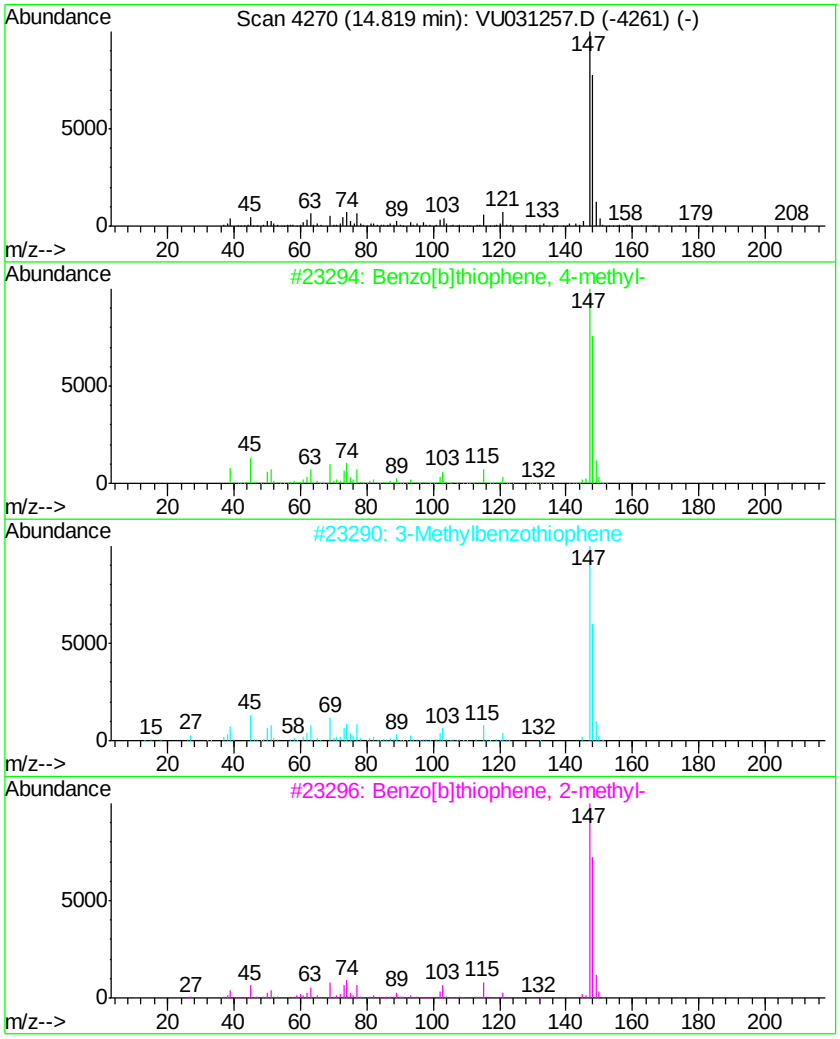
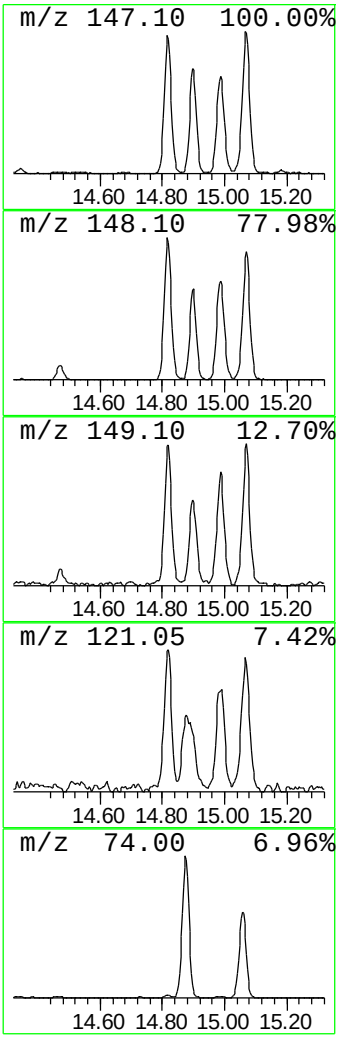
Peak Number 32 Benzo[b]thiophene, 4-methyl- Concentration Rank 40

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.82 | 11.20 ug/L | 389509 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene, 4-methyl- | 148 | C9H8S | 014315-11-8 | 91 |
| 2 | 3-Methylbenzothiophene | 148 | C9H8S | 001455-18-1 | 91 |
| 3 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 91 |
| 4 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 91 |
| 5 | 3-Methylbenzothiophene | 148 | C9H8S | 001455-18-1 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

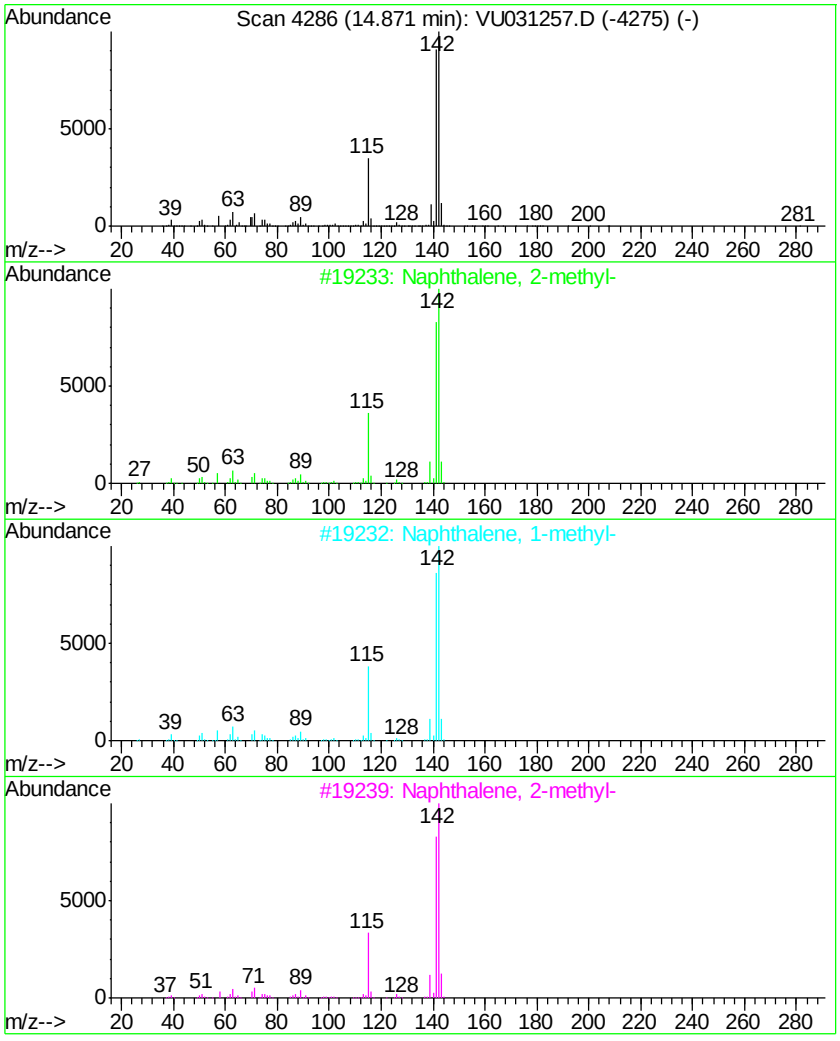
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

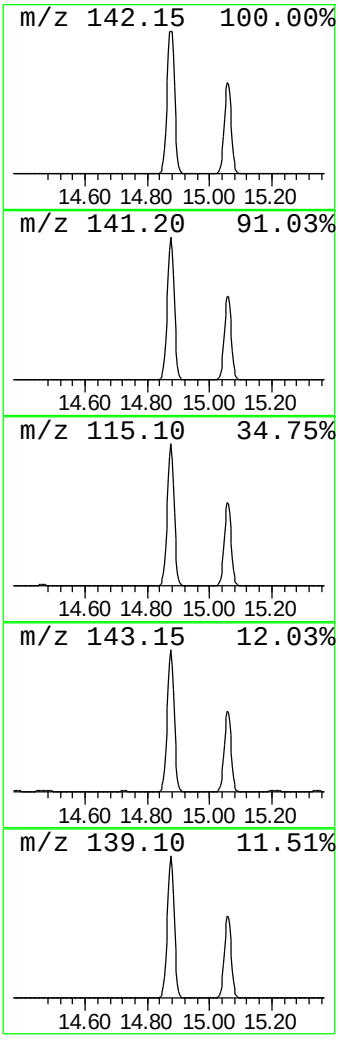
**********

Peak Number 33 Naphthalene, 1-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.87 | 1429.69 ug/L | 49711800 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 94 |
| 5 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 93 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

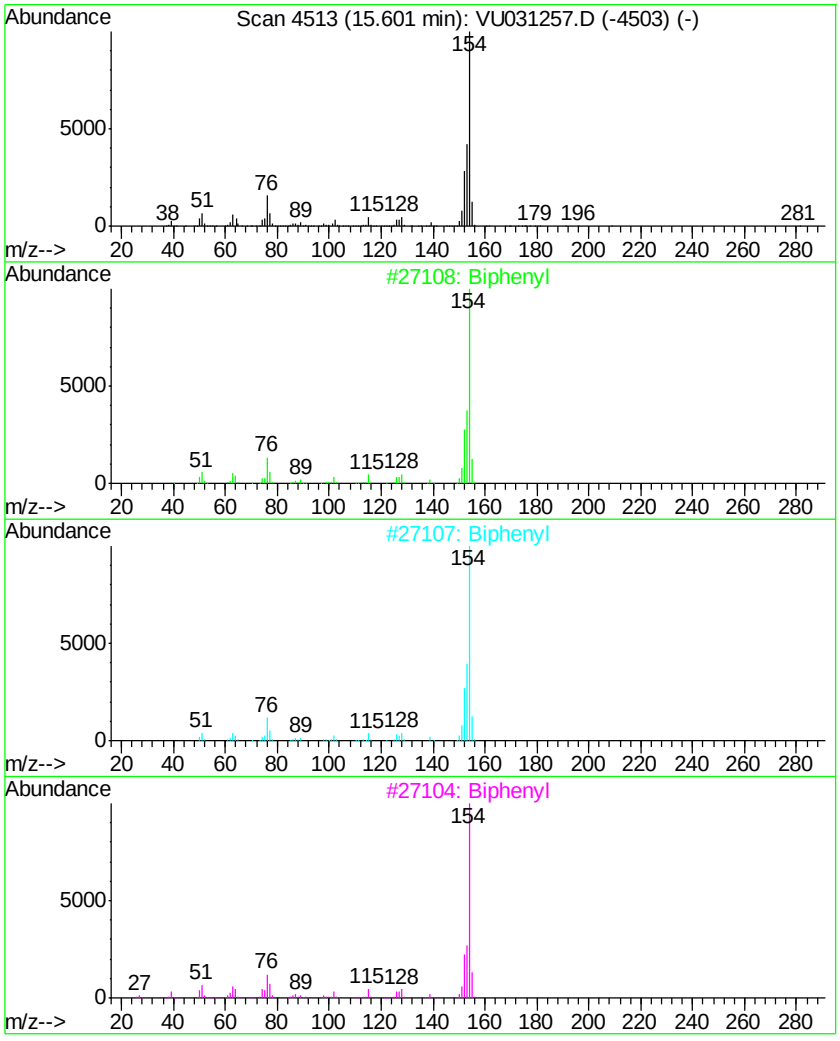
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

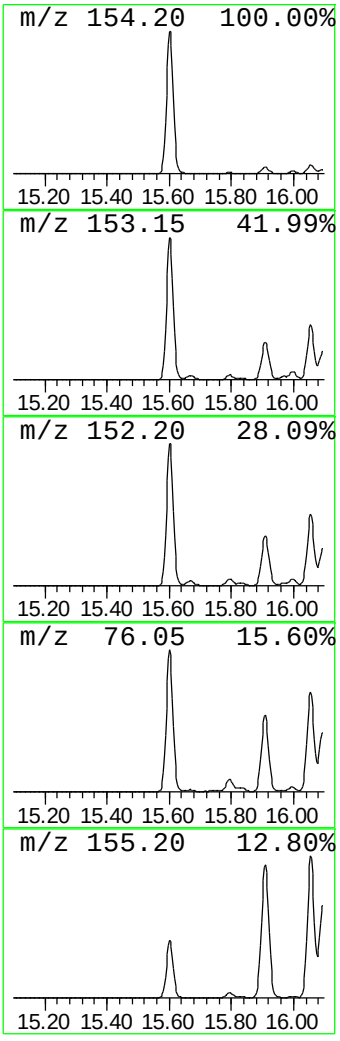
**********

Peak Number 35 Biphenyl Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.60 | 142.99 ug/L | 4971830 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Biphenyl | 154 | C12H10 | 000092-52-4 | 95 |
| 2 | Biphenyl | 154 | C12H10 | 000092-52-4 | 95 |
| 3 | Biphenyl | 154 | C12H10 | 000092-52-4 | 94 |
| 4 | Biphenyl | 154 | C12H10 | 000092-52-4 | 93 |
| 5 | Biphenyl | 154 | C12H10 | 000092-52-4 | 93 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

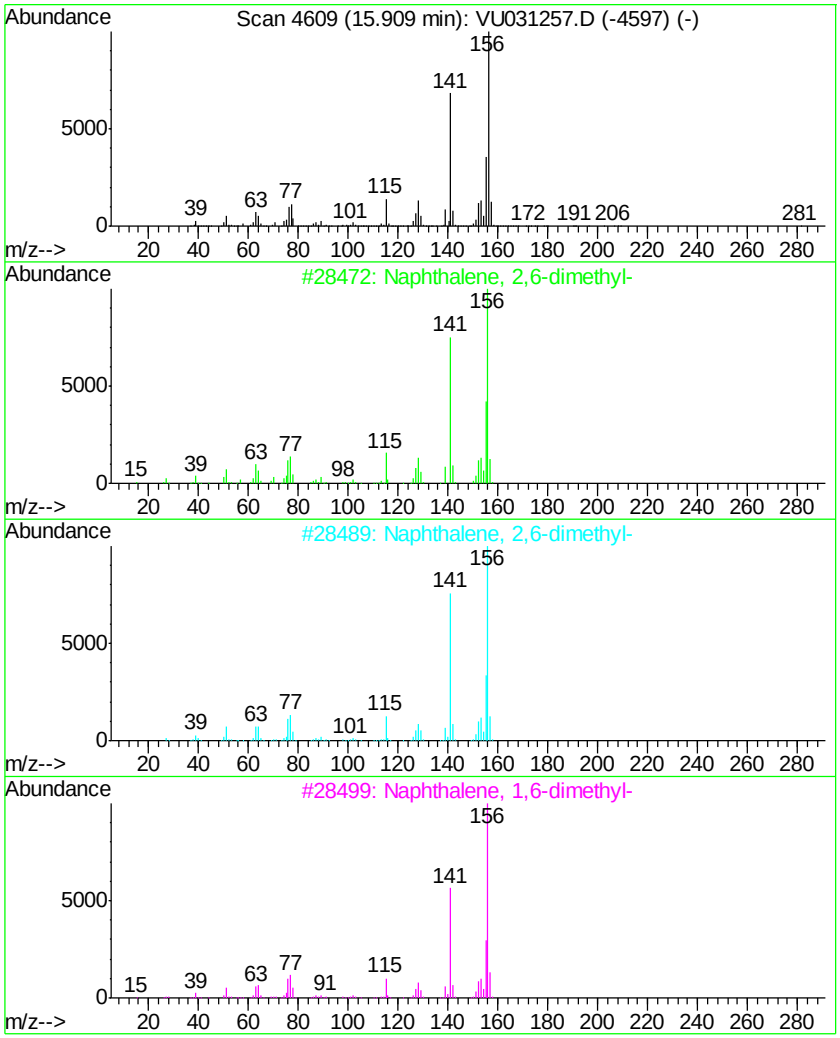
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

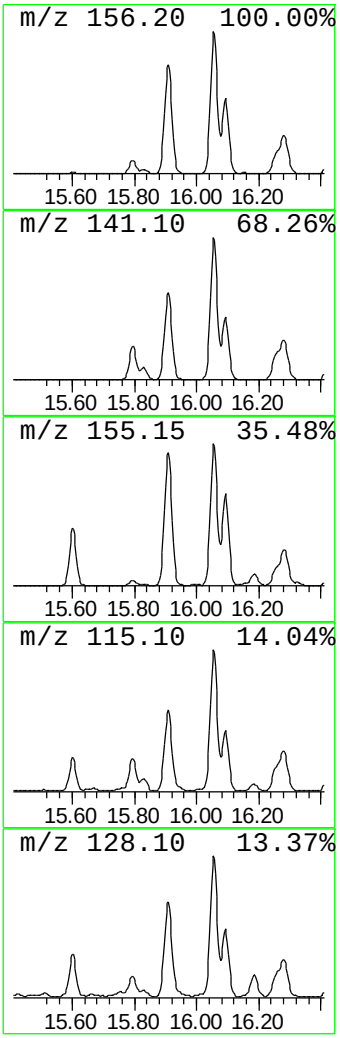
**********

Peak Number 37 Naphthalene, 2,6-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.91 | 193.66 ug/L | 6733720 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 98 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 98 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

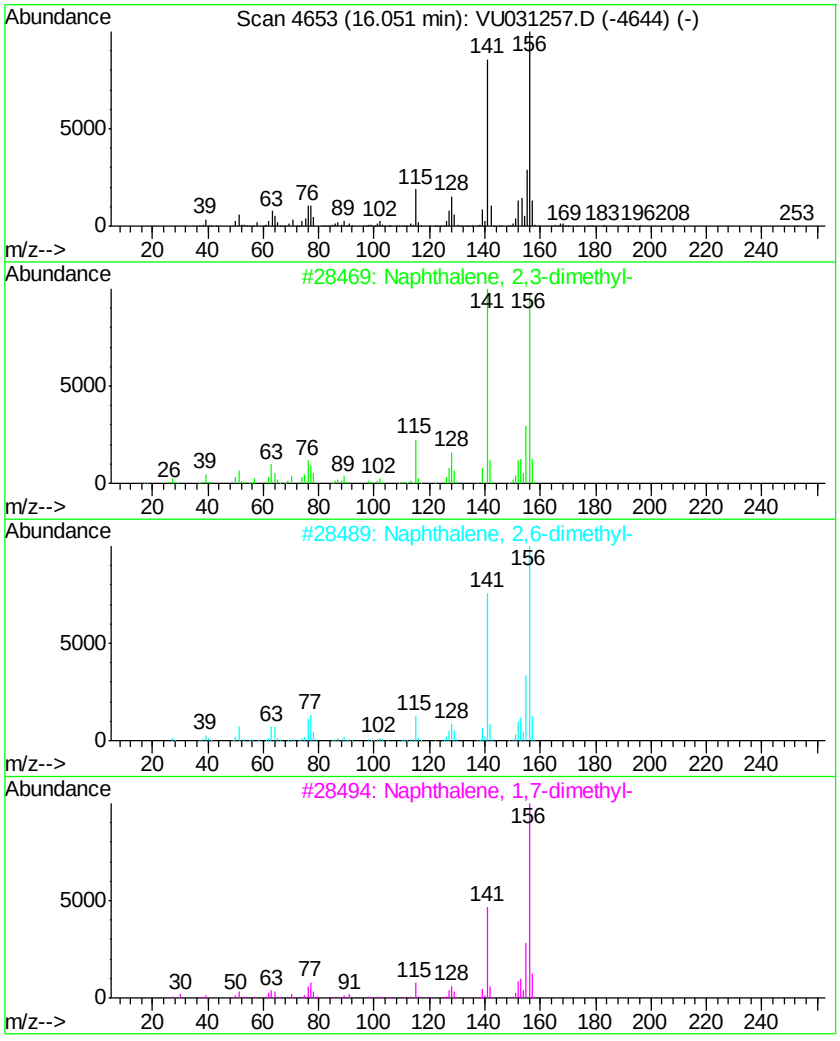
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

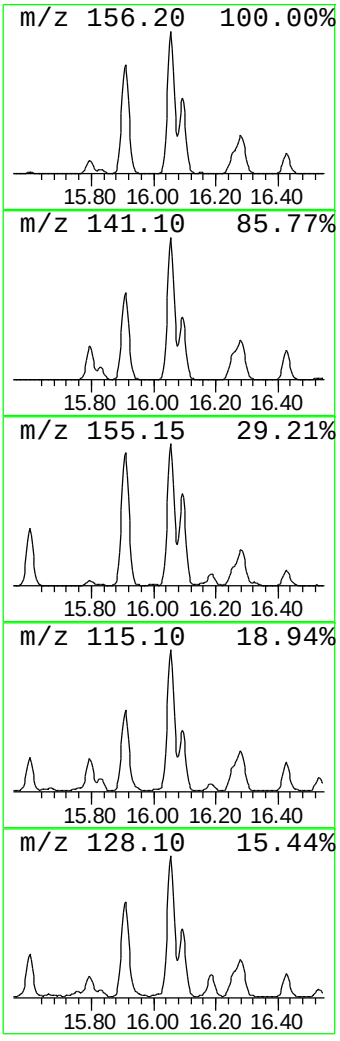
**********

Peak Number 38 Naphthalene, 2,3-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.05 | 240.87 ug/L | 8375210 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |
| 4 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

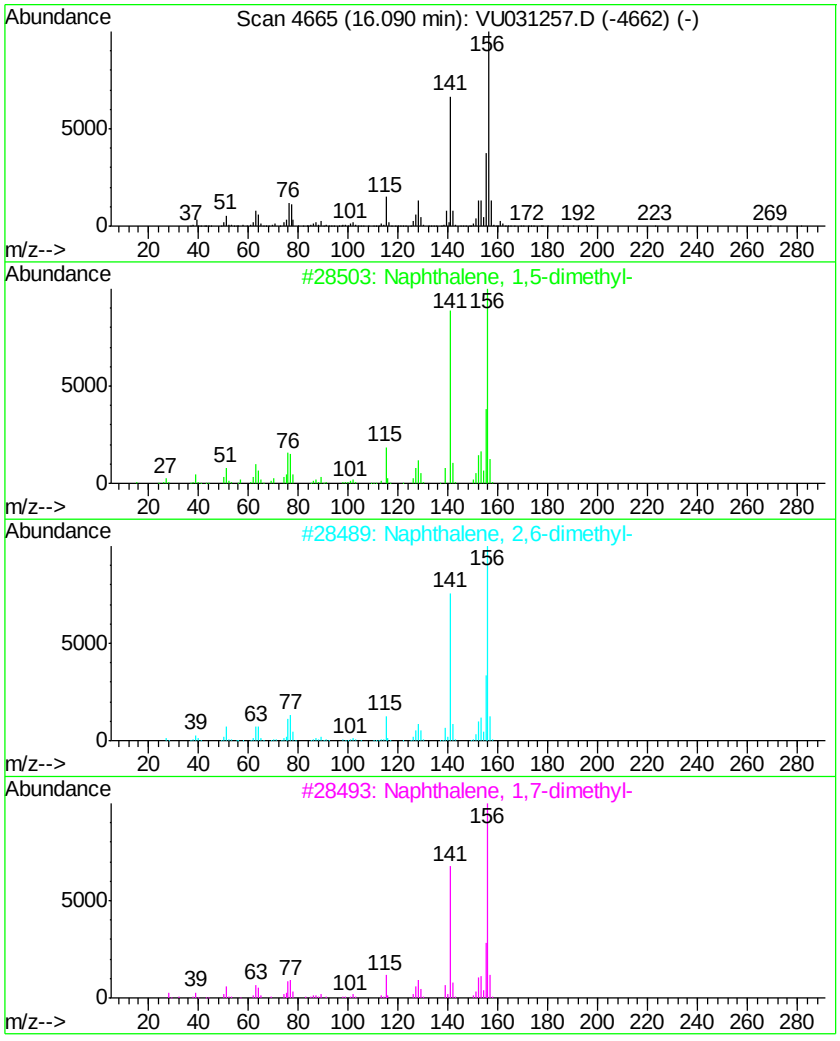
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

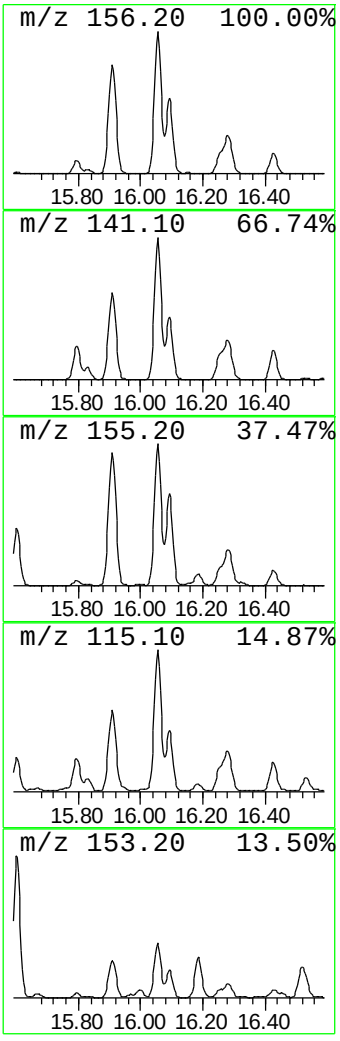
**********

Peak Number 39 Naphthalene, 1,5-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.09 | 104.71 ug/L | 3640770 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 98 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 98 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 5 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

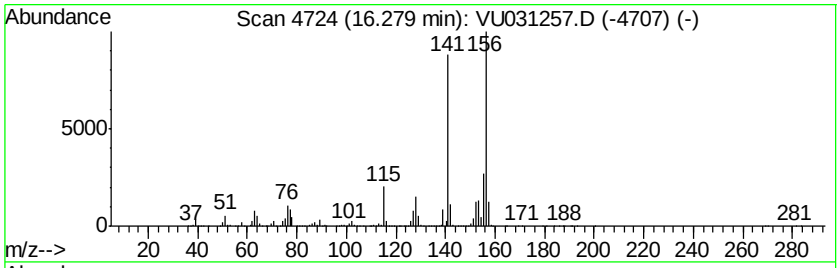
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

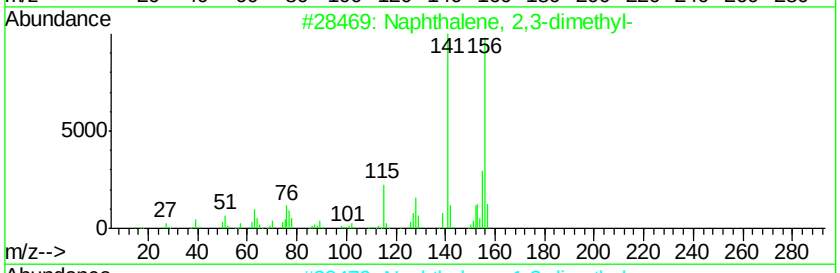
**********

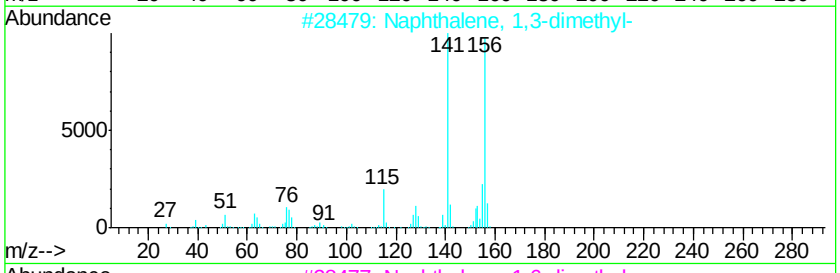
Peak Number 41 Naphthalene, 1,4-dimethyl- Concentration Rank 10

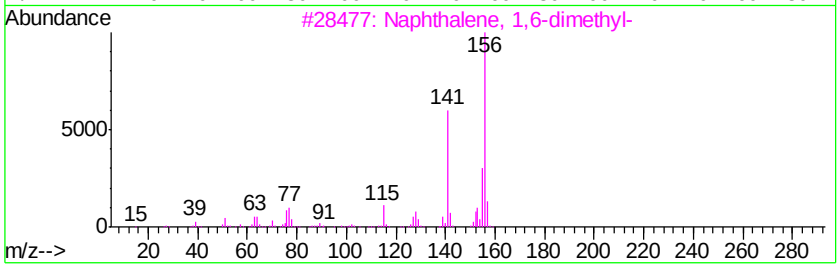
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.28 | 106.61 ug/L | 3707020 | 1,4-Dichlorobenzene-d4 | 11.48 |

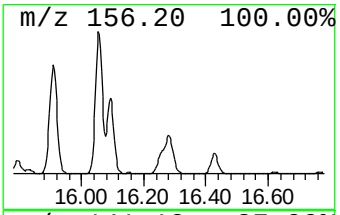
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 98 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 4 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 5 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |

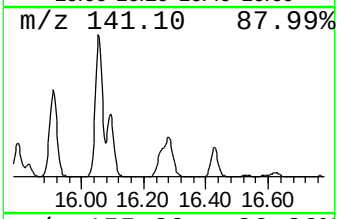


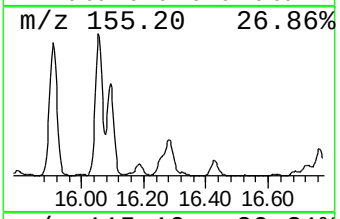



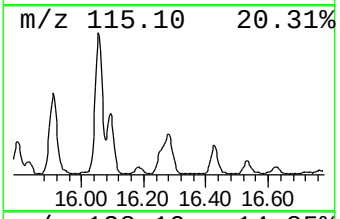



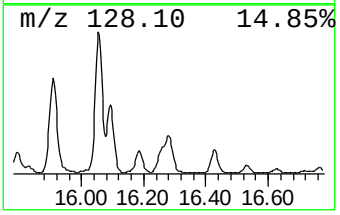



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

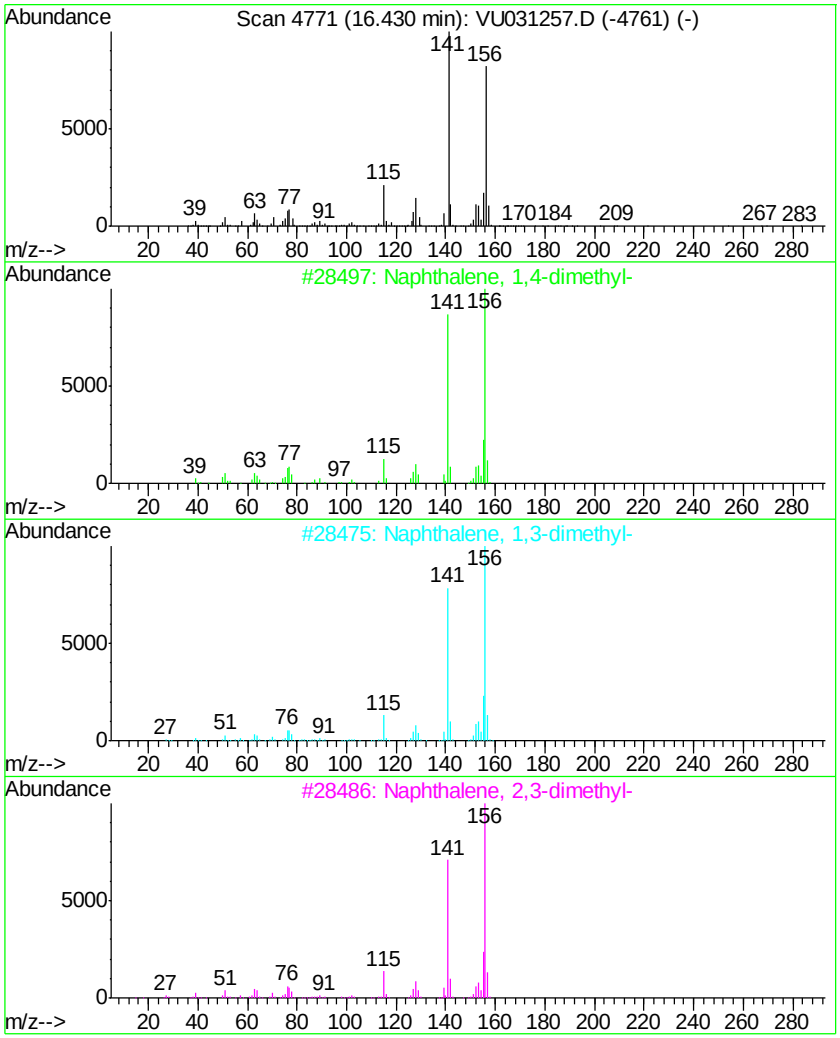
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

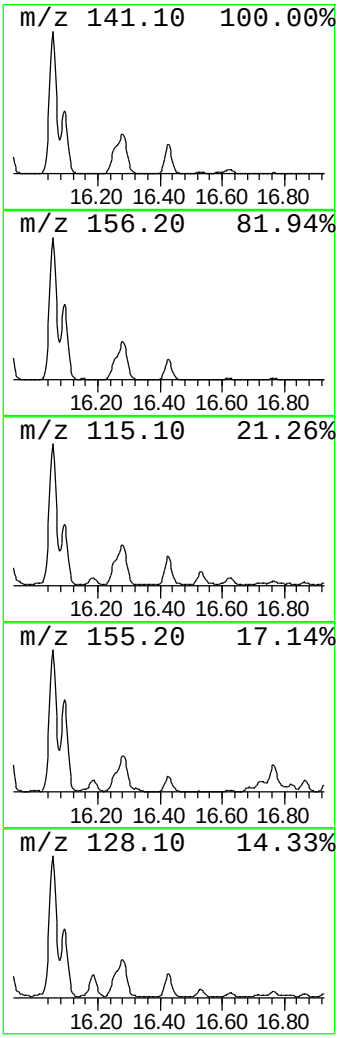
**********

Peak Number 42 Naphthalene, 1,3-dimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.43 | 39.98 ug/L | 1390130 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 96 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 95 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 95 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 95 |
| 5 | Naphthalene, 1,2-dimethyl- | 156 | C12H12 | 000573-98-8 | 95 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

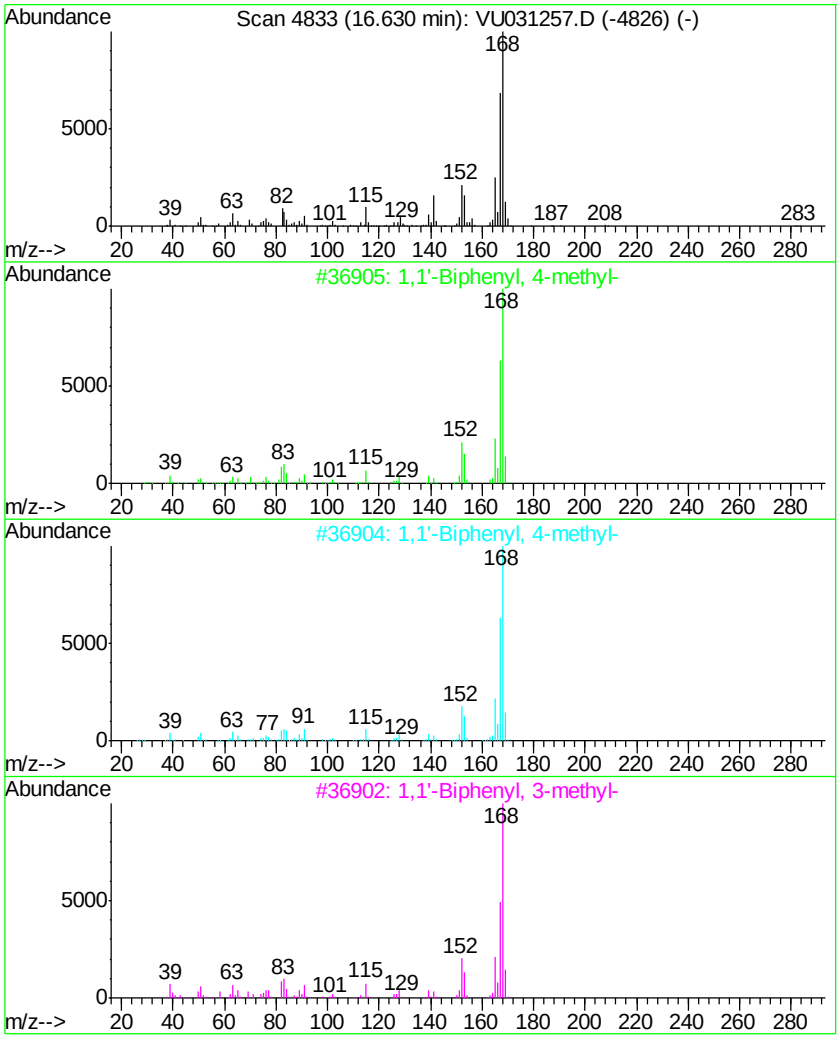
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

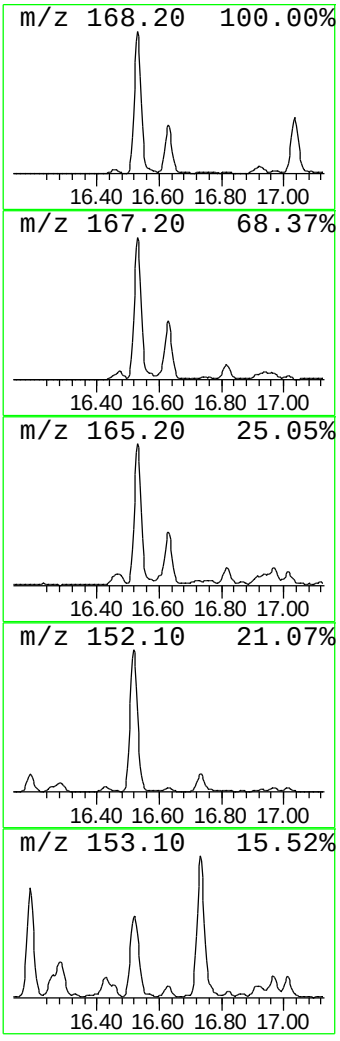
**********

Peak Number 44 1,1'-Biphenyl, 4-methyl- Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.63 | 17.55 ug/L | 610175 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 96 |
| 2 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 95 |
| 3 | 1,1'-Biphenyl, 3-methyl- | 168 | C13H12 | 000643-93-6 | 89 |
| 4 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 76 |
| 5 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 76 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

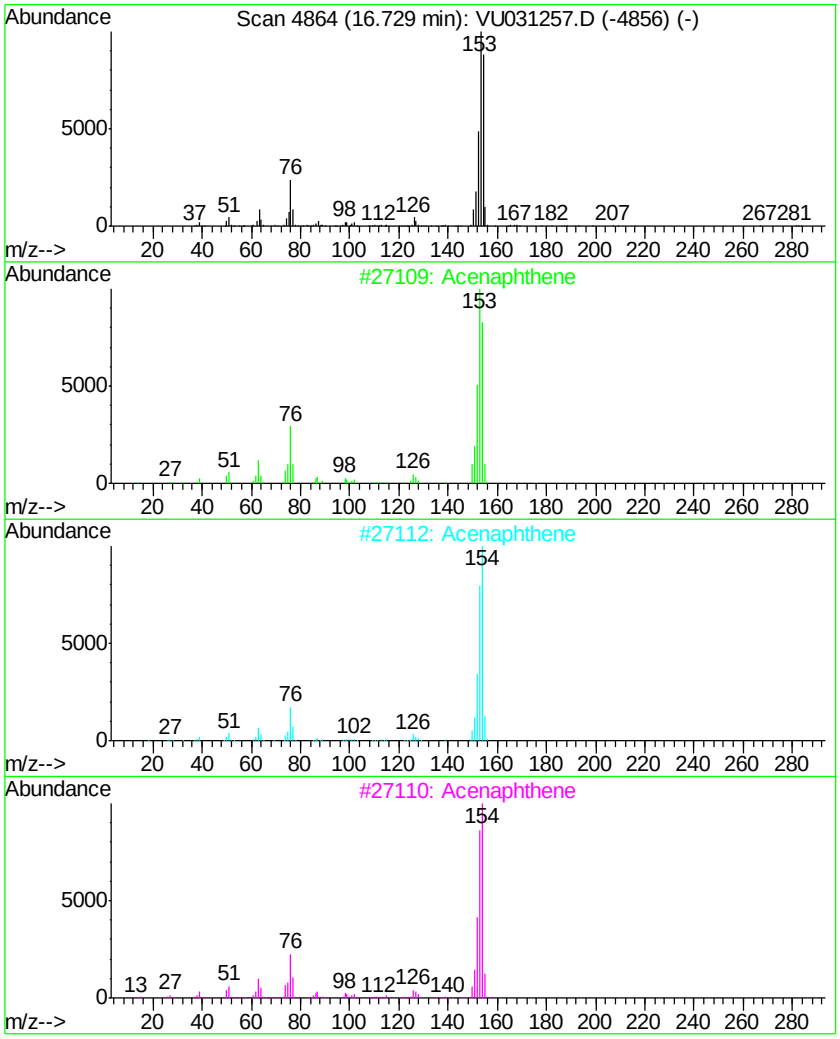
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

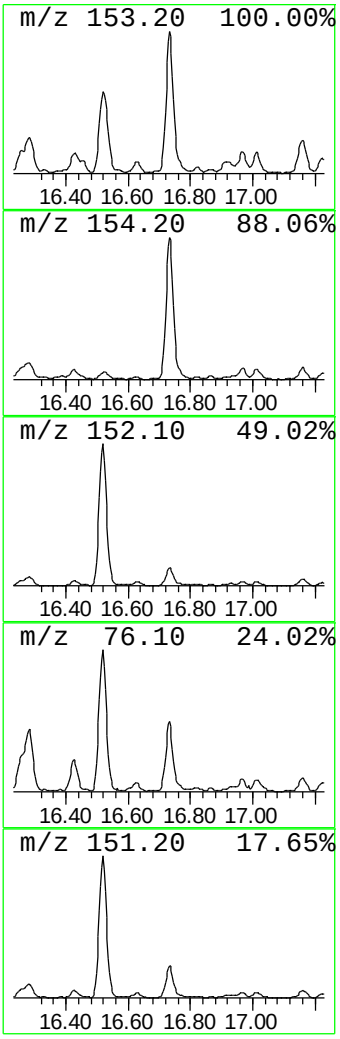
**********

Peak Number 45 3-Fluoro-para-anisaldehyde Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.73 | 30.07 ug/L | 1045560 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acenaphthene | 154 | C12H10 | 000083-32-9 | 76 |
| 2 | Acenaphthene | 154 | C12H10 | 000083-32-9 | 68 |
| 3 | Acenaphthene | 154 | C12H10 | 000083-32-9 | 60 |
| 4 | 3-Fluoro-para-anisaldehyde | 154 | C8H7FO2 | 000351-54-2 | 50 |
| 5 | 1,4-Ethenonaphthalene, 1,4-dihydro- | 154 | C12H10 | 007322-47-6 | 45 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031257.D
Acq On : 17 Apr 2019 14:06
Operator : JC/SP
Sample : K2402-05 10X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.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 |
| (DEL) Alkane: Cyc... | 4.09 | 2.7 | ug/L | 75814 | 1 | 5.88 | 1394320 | 50.0 |
| Benzene, propyl- | 10.58 | 4.9 | ug/L | 169793 | 3 | 11.48 | 1738550 | 50.0 |
| Benzene, 1-ethyl-... | 10.68 | 30.7 | ug/L | 1066180 | 3 | 11.48 | 1738550 | 50.0 |
| Benzene, 1,2,3-tr... | 10.77 | 32.2 | ug/L | 1120320 | 3 | 11.48 | 1738550 | 50.0 |
| Benzene, 1-ethyl-... | 10.97 | 8.7 | ug/L | 303695 | 3 | 11.48 | 1738550 | 50.0 |
| Benzene, 1-etheny... | 11.21 | 33.6 | ug/L | 1168850 | 3 | 11.48 | 1738550 | 50.0 |
| Benzene, 1-etheny... | 11.26 | 13.0 | ug/L | 451859 | 3 | 11.48 | 1738550 | 50.0 |
| Benzene, 1-propenyl- | 11.62 | 23.6 | ug/L | 821034 | 3 | 11.48 | 1738550 | 50.0 |
| Indane | 11.76 | 21.5 | ug/L | 747851 | 3 | 11.48 | 1738550 | 50.0 |
| Benzene, 2-ethyl-... | 12.14 | 5.0 | ug/L | 174141 | 3 | 11.48 | 1738550 | 50.0 |
| Benzene, 1-methyl... | 12.42 | 18.6 | ug/L | 648507 | 3 | 11.48 | 1738550 | 50.0 |
| 2,4-Dimethylstyrene | 12.48 | 4.9 | ug/L | 169168 | 3 | 11.48 | 1738550 | 50.0 |
| Benzene, 1,2,3,4-... | 12.65 | 8.3 | ug/L | 287339 | 3 | 11.48 | 1738550 | 50.0 |
| Benzene, 4-etheny... | 12.82 | 17.9 | ug/L | 621559 | 3 | 11.48 | 1738550 | 50.0 |
| 1H-Indene, 2,3-di... | 12.96 | 8.7 | ug/L | 304066 | 3 | 11.48 | 1738550 | 50.0 |
| o-Cymene | 13.12 | 37.7 | ug/L | 1311090 | 3 | 11.48 | 1738550 | 50.0 |
| Benzene, (1-methy... | 13.29 | 143.6 | ug/L | 4991650 | 3 | 11.48 | 1738550 | 50.0 |
| 1,4-Dihydronaphth... | 13.39 | 21.8 | ug/L | 758369 | 3 | 11.48 | 1738550 | 50.0 |
| Benzo[c]thiophene | 13.86 | 35.0 | ug/L | 1218680 | 3 | 11.48 | 1738550 | 50.0 |
| (DEL) Alkane: Str... | 14.14 | 5.1 | ug/L | 176847 | 3 | 11.48 | 1738550 | 50.0 |
| 1H-Indene, 1,3-di... | 14.34 | 21.7 | ug/L | 754053 | 3 | 11.48 | 1738550 | 50.0 |
| 1H-Indene, 1-ethy... | 14.58 | 5.6 | ug/L | 196035 | 3 | 11.48 | 1738550 | 50.0 |
| Benzo[b]thiophene... | 14.82 | 11.2 | ug/L | 389509 | 3 | 11.48 | 1738550 | 50.0 |
| Naphthalene, 1-me... | 14.87 | 1429.7 | ug/L | 49711800 | 3 | 11.48 | 1738550 | 50.0 |
| Biphenyl | 15.60 | 143.0 | ug/L | 4971830 | 3 | 11.48 | 1738550 | 50.0 |
| Naphthalene, 2,6-... | 15.91 | 193.7 | ug/L | 6733720 | 3 | 11.48 | 1738550 | 50.0 |
| Naphthalene, 2,3-... | 16.05 | 240.9 | ug/L | 8375210 | 3 | 11.48 | 1738550 | 50.0 |
| Naphthalene, 1,5-... | 16.09 | 104.7 | ug/L | 3640770 | 3 | 11.48 | 1738550 | 50.0 |
| Naphthalene, 1,4-... | 16.28 | 106.6 | ug/L | 3707020 | 3 | 11.48 | 1738550 | 50.0 |
| Naphthalene, 1,3-... | 16.43 | 40.0 | ug/L | 1390130 | 3 | 11.48 | 1738550 | 50.0 |
| 1,1'-Biphenyl, 4-... | 16.63 | 17.6 | ug/L | 610175 | 3 | 11.48 | 1738550 | 50.0 |
| 3-Fluoro-para-ani... | 16.73 | 30.1 | ug/L | 1045560 | 3 | 11.48 | 1738550 | 50.0 |