LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

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 : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.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 | 0.748 | 43 | 49 | 52 | rBV2 | 219 | 265 | 0.00% | 0.001% |
| 2 | 1.089 | 136 | 155 | 177 | rBV | 2570226 | 2830127 | 37.44% | 7.539% |
| 3 | 1.182 | 181 | 184 | 192 | rVB2 | 9013 | 9545 | 0.13% | 0.025% |
| 4 | 1.397 | 245 | 251 | 264 | rVB | 144800 | 150425 | 1.99% | 0.401% |
| 5 | 1.680 | 331 | 339 | 354 | rVB | 111791 | 143157 | 1.89% | 0.381% |
| 6 | 2.191 | 491 | 498 | 506 | rVB7 | 3293 | 4278 | 0.06% | 0.011% |
| 7 | 2.272 | 512 | 523 | 535 | rBV | 249826 | 378358 | 5.00% | 1.008% |
| 8 | 2.442 | 569 | 576 | 580 | rBV4 | 1748 | 2045 | 0.03% | 0.005% |
| 9 | 2.625 | 625 | 633 | 641 | rVV | 543 | 940 | 0.01% | 0.003% |
| 10 | 2.703 | 652 | 657 | 660 | rBV3 | 341 | 317 | 0.00% | 0.001% |
| 11 | 2.834 | 691 | 698 | 703 | rBV4 | 643 | 927 | 0.01% | 0.002% |
| 12 | 3.117 | 783 | 786 | 789 | rBV | 257 | 241 | 0.00% | 0.001% |
| 13 | 3.185 | 802 | 807 | 810 | rBV2 | 361 | 368 | 0.00% | 0.001% |
| 14 | 4.178 | 1100 | 1116 | 1146 | rBV | 141568 | 367395 | 4.86% | 0.979% |
| 15 | 4.651 | 1246 | 1263 | 1284 | rBV | 189883 | 446481 | 5.91% | 1.189% |
| 16 | 4.889 | 1330 | 1337 | 1349 | rVB4 | 726 | 1500 | 0.02% | 0.004% |
| 17 | 4.953 | 1349 | 1357 | 1362 | rBV2 | 161 | 254 | 0.00% | 0.001% |
| 18 | 4.995 | 1363 | 1370 | 1376 | rVB | 544 | 622 | 0.01% | 0.002% |
| 19 | 5.346 | 1454 | 1479 | 1492 | rBV2 | 392304 | 1189663 | 15.74% | 3.169% |
| 20 | 5.584 | 1548 | 1553 | 1555 | rBV2 | 301 | 287 | 0.00% | 0.001% |
| 21 | 5.651 | 1569 | 1574 | 1579 | rBV3 | 554 | 550 | 0.01% | 0.001% |
| 22 | 5.786 | 1612 | 1616 | 1618 | rBV | 456 | 386 | 0.01% | 0.001% |
| 23 | 5.889 | 1632 | 1648 | 1671 | rBV | 412791 | 825425 | 10.92% | 2.199% |
| 24 | 6.182 | 1732 | 1739 | 1746 | rVB4 | 858 | 1165 | 0.02% | 0.003% |
| 25 | 6.336 | 1770 | 1787 | 1820 | rBV | 264328 | 543253 | 7.19% | 1.447% |
| 26 | 6.870 | 1943 | 1953 | 1957 | rBV3 | 838 | 1275 | 0.02% | 0.003% |
| 27 | 7.233 | 2053 | 2066 | 2089 | rBV | 140349 | 255705 | 3.38% | 0.681% |
| 28 | 7.374 | 2106 | 2110 | 2112 | rBV2 | 480 | 352 | 0.00% | 0.001% |
| 29 | 7.567 | 2157 | 2170 | 2184 | rBV | 535819 | 931154 | 12.32% | 2.480% |
| 30 | 7.641 | 2185 | 2193 | 2213 | rVB | 39710 | 72288 | 0.96% | 0.193% |
| 31 | 7.854 | 2247 | 2259 | 2279 | rBV | 99990 | 170011 | 2.25% | 0.453% |
| 32 | 8.181 | 2356 | 2361 | 2364 | rBV3 | 294 | 297 | 0.00% | 0.001% |
| 33 | 8.313 | 2389 | 2402 | 2440 | rBV | 516975 | 873959 | 11.56% | 2.328% |
| 34 | 8.673 | 2509 | 2514 | 2517 | rBV2 | 297 | 273 | 0.00% | 0.001% |

LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

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 : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.091 | 2631 | 2644 | 2675 | rBV | 612748 | 1014171 | 13.42% | 2.702% |
| 36 | 9.255 | 2684 | 2695 | 2710 | rVB | 82113 | 129210 | 1.71% | 0.344% |
| 37 | 9.378 | 2720 | 2733 | 2752 | rVV | 64366 | 108518 | 1.44% | 0.289% |
| 38 | 9.548 | 2781 | 2786 | 2795 | rVB3 | 753 | 1281 | 0.02% | 0.003% |
| 39 | 9.648 | 2813 | 2817 | 2821 | rBV2 | 463 | 478 | 0.01% | 0.001% |
| 40 | 9.728 | 2840 | 2842 | 2843 | rBV | 642 | 284 | 0.00% | 0.001% |
| 41 | 9.783 | 2849 | 2859 | 2873 | rVB | 40450 | 65041 | 0.86% | 0.173% |
| 42 | 10.014 | 2926 | 2931 | 2933 | rBV4 | 392 | 333 | 0.00% | 0.001% |
| 43 | 10.050 | 2938 | 2942 | 2948 | rVV3 | 570 | 673 | 0.01% | 0.002% |
| 44 | 10.172 | 2972 | 2980 | 2989 | rVB2 | 5691 | 7998 | 0.11% | 0.021% |
| 45 | 10.435 | 3049 | 3062 | 3083 | rVB | 401876 | 637464 | 8.43% | 1.698% |
| 46 | 10.593 | 3102 | 3111 | 3119 | rBV2 | 3165 | 4557 | 0.06% | 0.012% |
| 47 | 10.686 | 3129 | 3140 | 3142 | rBV | 19309 | 23362 | 0.31% | 0.062% |
| 48 | 10.776 | 3160 | 3168 | 3181 | rVB2 | 14793 | 21415 | 0.28% | 0.057% |
| 49 | 10.976 | 3222 | 3230 | 3244 | rVB | 8171 | 13752 | 0.18% | 0.037% |
| 50 | 11.152 | 3275 | 3285 | 3295 | rBV | 23573 | 34796 | 0.46% | 0.093% |
| 51 | 11.403 | 3353 | 3363 | 3377 | rBV | 38080 | 63776 | 0.84% | 0.170% |
| 52 | 11.487 | 3377 | 3389 | 3407 | rVV | 692737 | 1069769 | 14.15% | 2.850% |
| 53 | 11.574 | 3408 | 3416 | 3428 | rVB | 18342 | 27759 | 0.37% | 0.074% |
| 54 | 11.635 | 3428 | 3435 | 3439 | rBV5 | 970 | 1160 | 0.02% | 0.003% |
| 55 | 11.770 | 3464 | 3477 | 3494 | rBV | 225008 | 362002 | 4.79% | 0.964% |
| 56 | 11.863 | 3494 | 3506 | 3523 | rVB | 611138 | 971861 | 12.86% | 2.589% |
| 57 | 11.985 | 3532 | 3544 | 3561 | rBV | 281394 | 438713 | 5.80% | 1.169% |
| 58 | 12.066 | 3564 | 3569 | 3578 | rVB5 | 2602 | 3519 | 0.05% | 0.009% |
| 59 | 12.149 | 3587 | 3595 | 3600 | rBV6 | 4082 | 6437 | 0.09% | 0.017% |
| 60 | 12.255 | 3618 | 3628 | 3645 | rVB | 26925 | 40690 | 0.54% | 0.108% |
| 61 | 12.358 | 3649 | 3660 | 3679 | rVB | 78916 | 122567 | 1.62% | 0.327% |
| 62 | 12.480 | 3692 | 3698 | 3710 | rVB7 | 3195 | 5479 | 0.07% | 0.015% |
| 63 | 12.596 | 3716 | 3734 | 3747 | rBV2 | 115229 | 221817 | 2.93% | 0.591% |
| 64 | 12.702 | 3757 | 3767 | 3784 | rVV2 | 204899 | 387753 | 5.13% | 1.033% |
| 65 | 12.779 | 3785 | 3791 | 3801 | rVB | 30966 | 45562 | 0.60% | 0.121% |
| 66 | 12.882 | 3818 | 3823 | 3834 | rBV7 | 1874 | 2738 | 0.04% | 0.007% |
| 67 | 12.969 | 3840 | 3850 | 3869 | rVB | 67695 | 106701 | 1.41% | 0.284% |
| 68 | 13.127 | 3879 | 3899 | 3910 | rBV2 | 216222 | 355678 | 4.70% | 0.947% |
| 69 | 13.191 | 3910 | 3919 | 3930 | rVB | 43734 | 68663 | 0.91% | 0.183% |
| 70 | 13.297 | 3940 | 3952 | 3963 | rBV2 | 50286 | 82361 | 1.09% | 0.219% |
| 71 | 13.435 | 3988 | 3995 | 3997 | rBV3 | 7762 | 8705 | 0.12% | 0.023% |

LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

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 : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.554 | 4026 | 4032 | 4040 | rVB | 14035 | 18884 | 0.25% | 0.050% |
| 73 | 13.615 | 4042 | 4051 | 4065 | rVB | 54476 | 90876 | 1.20% | 0.242% |
| 74 | 13.747 | 4077 | 4092 | 4113 | rBV | 4722853 | 7559863 | 100.00% | 20.138% |
| 75 | 13.863 | 4118 | 4128 | 4137 | rBV | 239159 | 385051 | 5.09% | 1.026% |
| 76 | 13.956 | 4152 | 4157 | 4167 | rVB2 | 41405 | 57227 | 0.76% | 0.152% |
| 77 | 14.059 | 4182 | 4189 | 4209 | rVB3 | 19659 | 31610 | 0.42% | 0.084% |
| 78 | 14.159 | 4210 | 4220 | 4228 | rBV3 | 15650 | 27090 | 0.36% | 0.072% |
| 79 | 14.339 | 4267 | 4276 | 4287 | rBV6 | 10548 | 24760 | 0.33% | 0.066% |
| 80 | 14.538 | 4329 | 4338 | 4356 | rVB2 | 59460 | 100790 | 1.33% | 0.268% |
| 81 | 14.641 | 4367 | 4370 | 4375 | rBV6 | 1508 | 1863 | 0.02% | 0.005% |
| 82 | 14.731 | 4394 | 4398 | 4409 | rBV7 | 2352 | 3219 | 0.04% | 0.009% |
| 83 | 14.824 | 4416 | 4427 | 4434 | rBV | 76100 | 124229 | 1.64% | 0.331% |
| 84 | 14.879 | 4434 | 4444 | 4472 | rVB | 724089 | 1152321 | 15.24% | 3.070% |
| 85 | 14.995 | 4472 | 4480 | 4489 | rBV2 | 11367 | 18492 | 0.24% | 0.049% |
| 86 | 15.065 | 4489 | 4502 | 4530 | rVB | 2867458 | 4387412 | 58.04% | 11.687% |
| 87 | 15.355 | 4586 | 4592 | 4606 | rVB4 | 5426 | 8606 | 0.11% | 0.023% |
| 88 | 15.612 | 4651 | 4672 | 4684 | rBV | 336261 | 530319 | 7.01% | 1.413% |
| 89 | 15.680 | 4686 | 4693 | 4712 | rVB | 13704 | 32625 | 0.43% | 0.087% |
| 90 | 15.802 | 4715 | 4731 | 4737 | rBV | 64608 | 113721 | 1.50% | 0.303% |
| 91 | 15.918 | 4757 | 4767 | 4791 | rVB | 104158 | 201137 | 2.66% | 0.536% |
| 92 | 16.065 | 4794 | 4813 | 4818 | rVV | 261809 | 418118 | 5.53% | 1.114% |
| 93 | 16.101 | 4819 | 4824 | 4838 | rVB | 260621 | 381955 | 5.05% | 1.017% |
| 94 | 16.265 | 4866 | 4875 | 4879 | rBV2 | 43942 | 67796 | 0.90% | 0.181% |
| 95 | 16.435 | 4918 | 4928 | 4940 | rBV | 96175 | 145481 | 1.92% | 0.388% |
| 96 | 16.535 | 4946 | 4959 | 4973 | rBV3 | 91149 | 171481 | 2.27% | 0.457% |
| 97 | 16.638 | 4985 | 4991 | 5000 | rVB5 | 12416 | 18613 | 0.25% | 0.050% |
| 98 | 16.744 | 5010 | 5024 | 5043 | rBV | 3338821 | 5335903 | 70.58% | 14.214% |
| 99 | 16.921 | 5069 | 5079 | 5093 | rBV2 | 93645 | 151245 | 2.00% | 0.403% |
| 100 | 17.043 | 5106 | 5117 | 5137 | rVB | 192480 | 318580 | 4.21% | 0.849% |

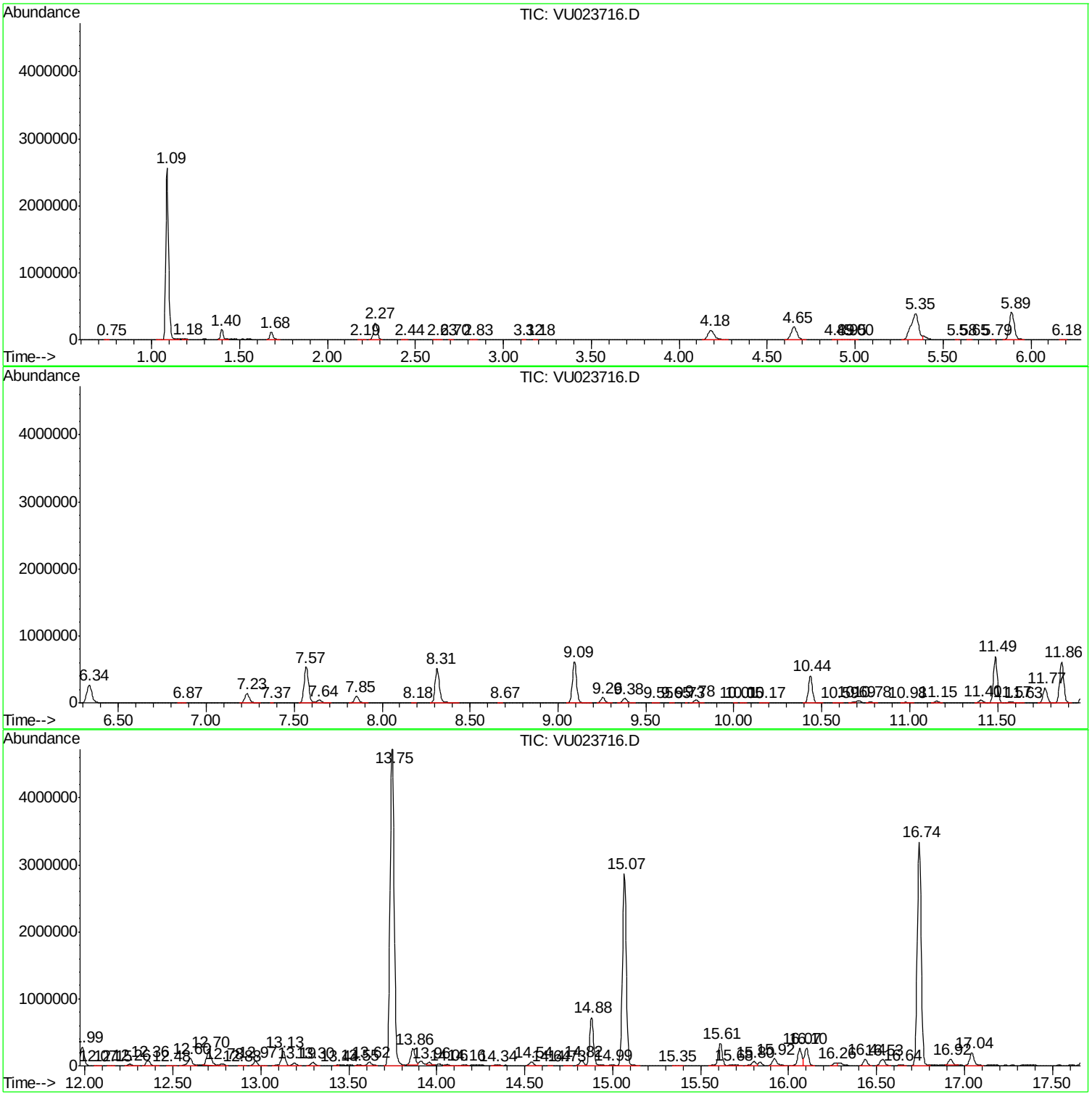
Sum of corrected areas: 37539598

LSC Report - Integrated Chromatogram

Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

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



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

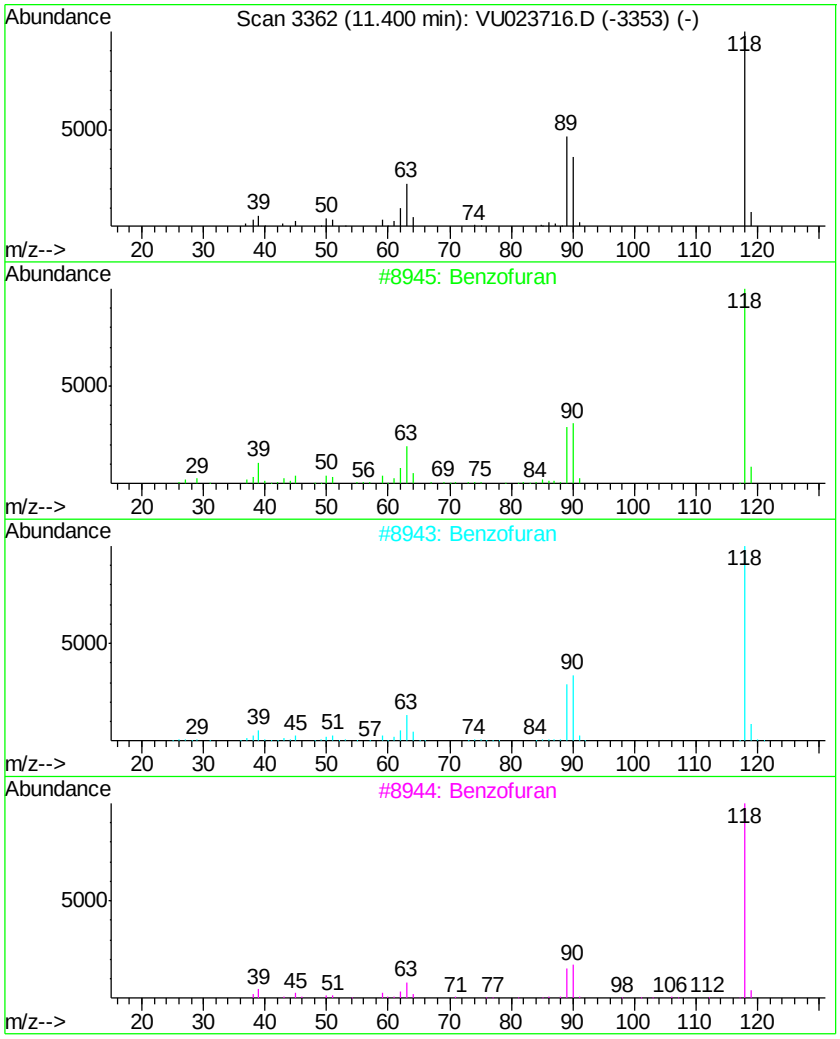
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

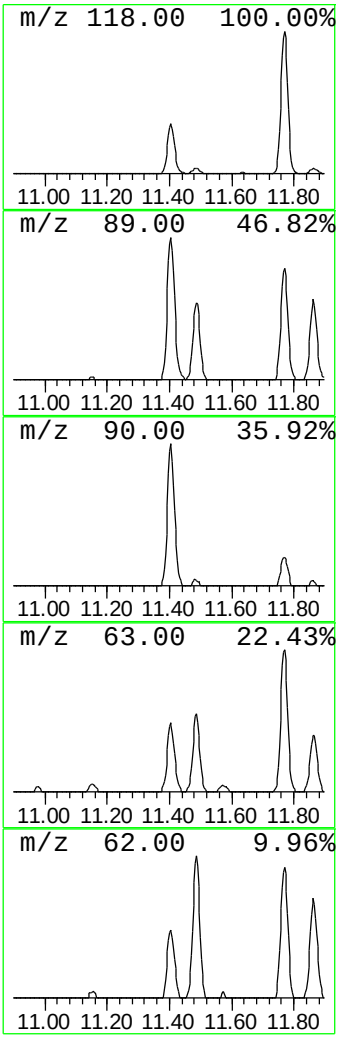
**********

Peak Number 3 Benzofuran Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.40 | 2.98 ug/L | 63776 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran | 118 | C8H6O | 000271-89-6 | 94 |
| 2 | Benzofuran | 118 | C8H6O | 000271-89-6 | 90 |
| 3 | Benzofuran | 118 | C8H6O | 000271-89-6 | 72 |
| 4 | 2H-Cyclopenta[d]pyridazine | 118 | C7H6N2 | 000270-64-4 | 64 |
| 5 | 1H-Pyrrolo[2,3-b]pyridine | 118 | C7H6N2 | 000271-63-6 | 59 |



Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

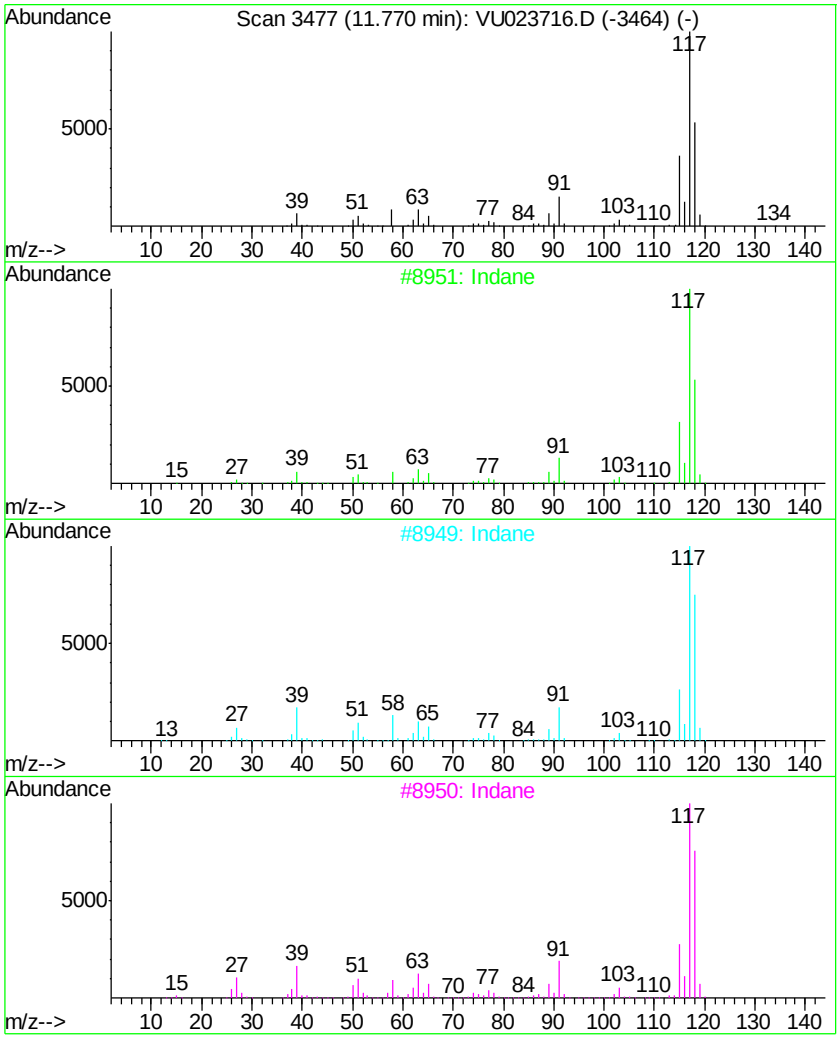
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

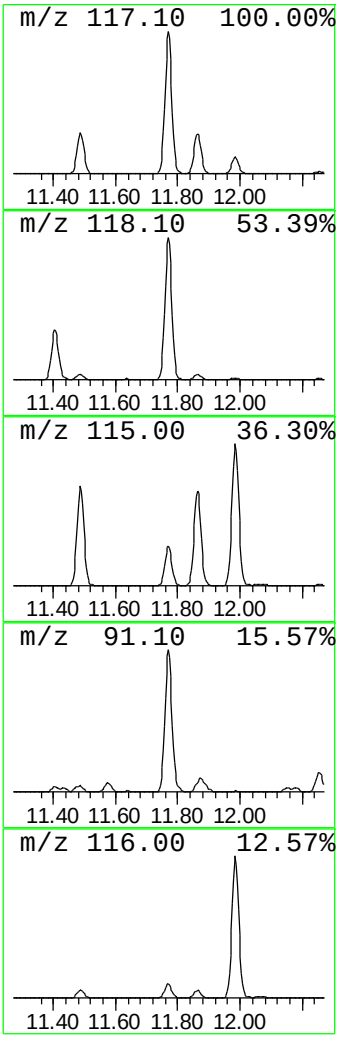
**********

Peak Number 4 Indane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.77 | 16.92 ug/L | 362002 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 95 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 91 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 90 |
| 4 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 83 |
| 5 | 7-Methylenecycloocta-1,3,5-triene | 118 | C9H10 | 002570-13-0 | 72 |



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

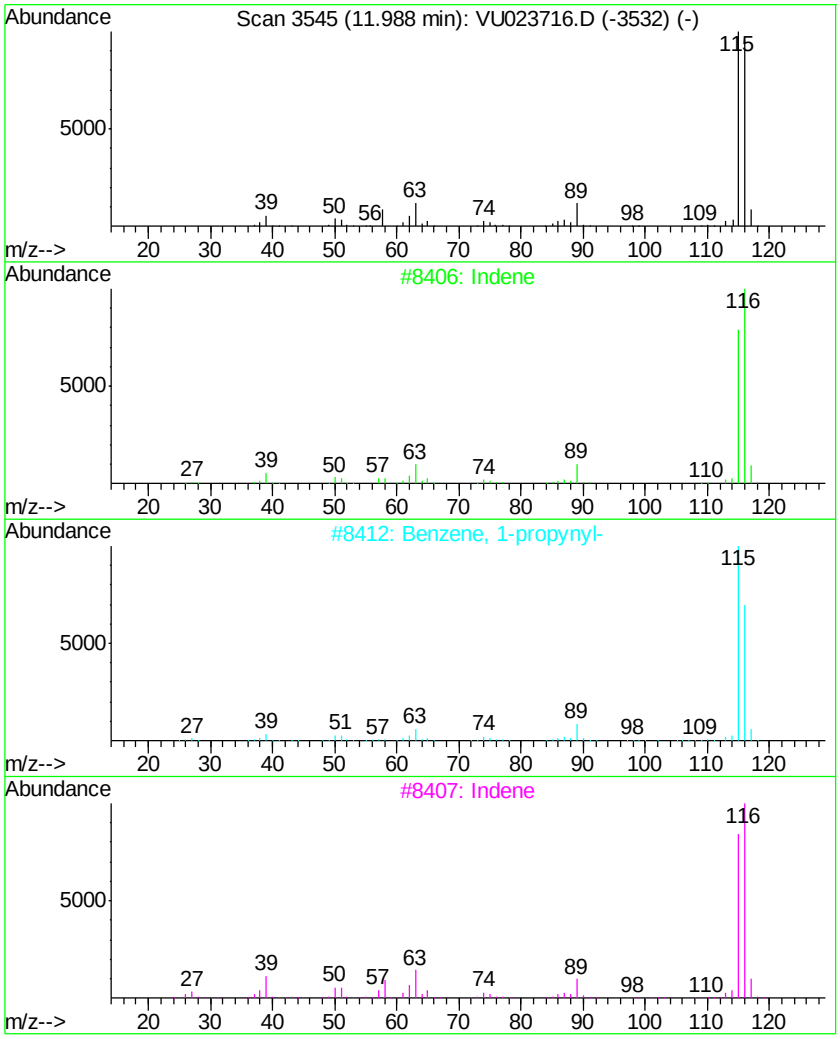
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

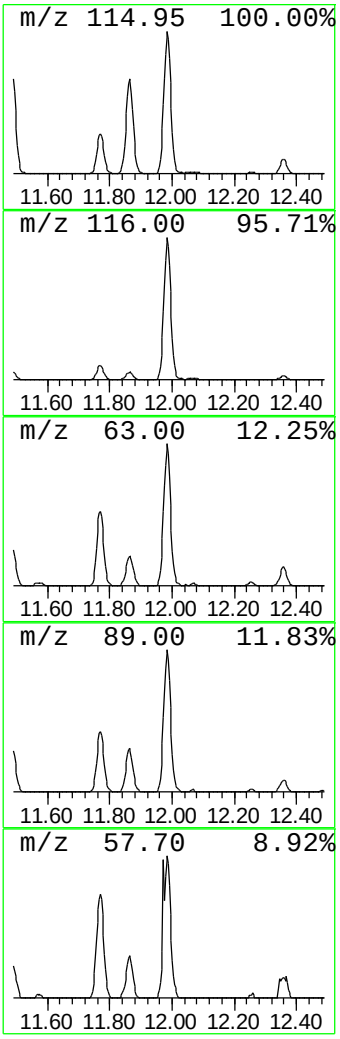
**********

Peak Number 5 Indene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.99 | 20.51 ug/L | 438713 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 97 |
| 2 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 94 |
| 3 | Indene | 116 | C9H8 | 000095-13-6 | 94 |
| 4 | Indene | 116 | C9H8 | 000095-13-6 | 93 |
| 5 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 91 |



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

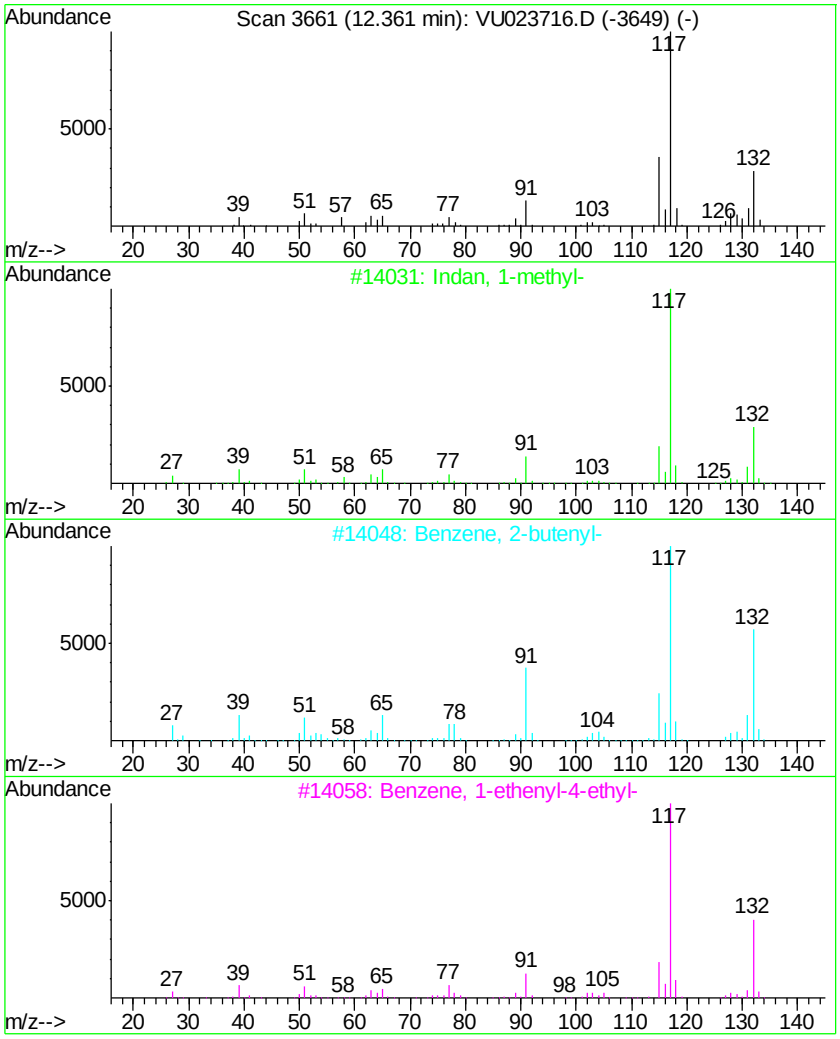
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

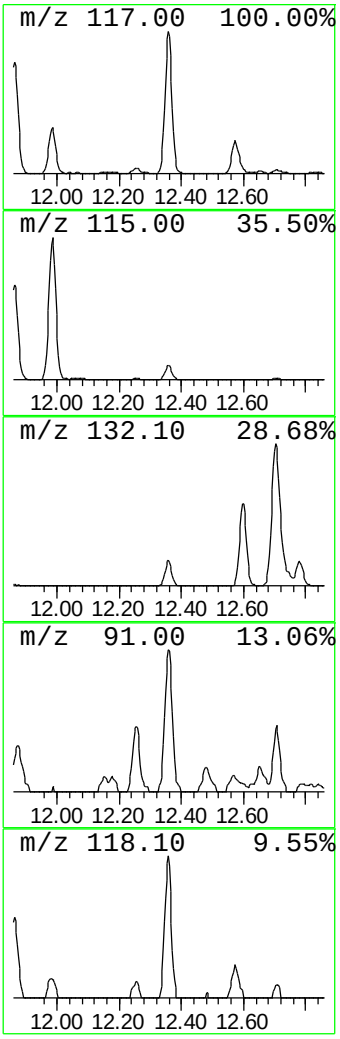
**********

Peak Number 6 Indan, 1-methyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.36 | 5.73 ug/L | 122567 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 2 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 87 |
| 3 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 87 |
| 4 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 86 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 81 |



Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

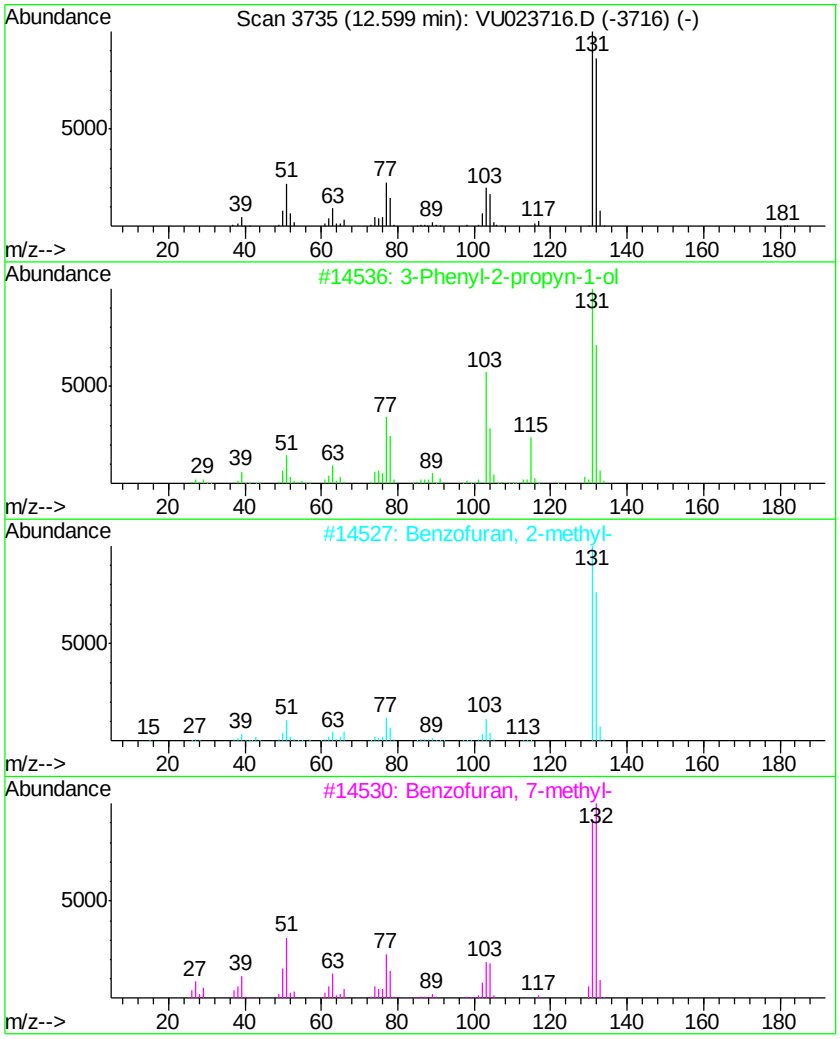
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

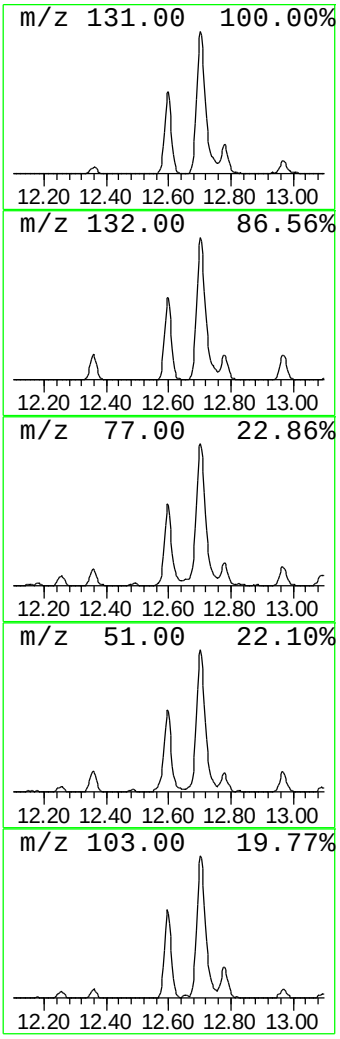
**********

Peak Number 7 3-Phenyl-2-propyn-1-ol Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.60 | 10.37 ug/L | 221817 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 94 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 94 |
| 3 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 94 |
| 4 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 91 |
| 5 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |



Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

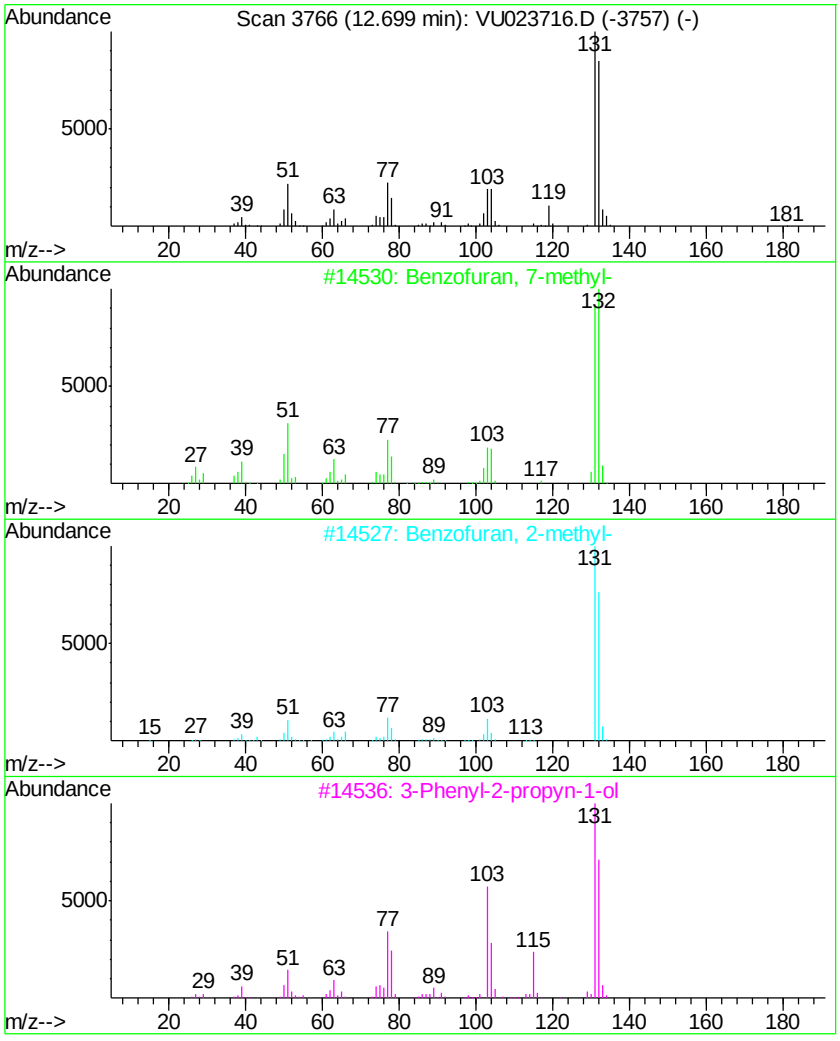
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

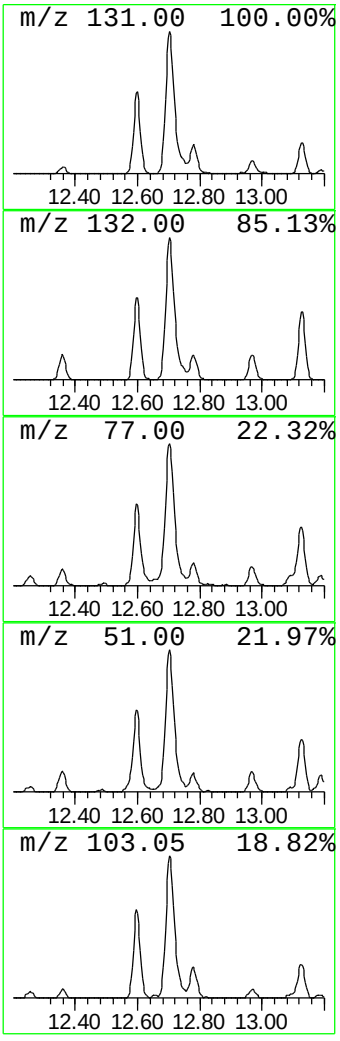
**********

Peak Number 8 Benzofuran, 7-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.70 | 18.12 ug/L | 387753 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 96 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 93 |
| 3 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 90 |
| 4 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 90 |
| 5 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 87 |



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Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

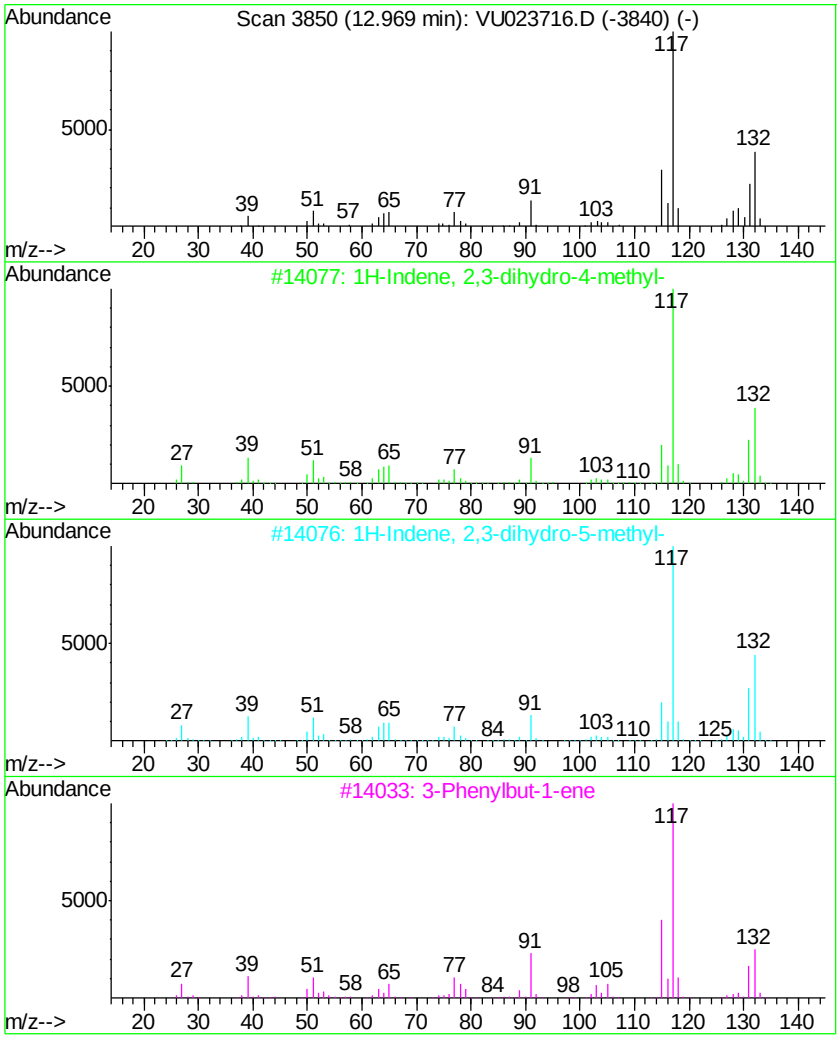
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

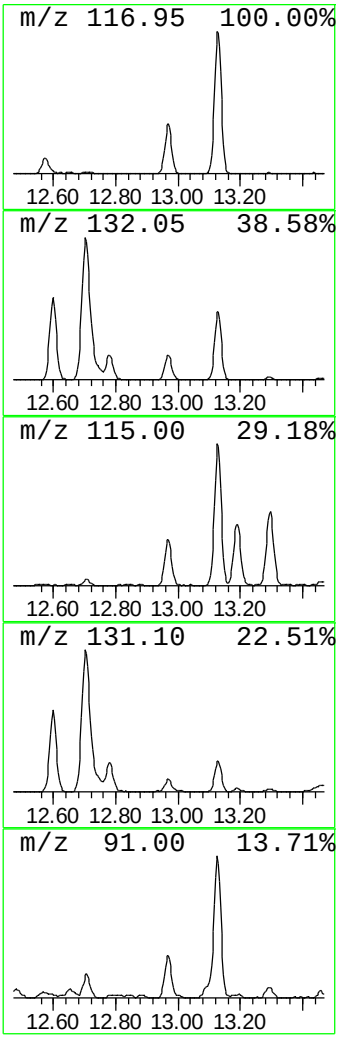
**********

Peak Number 9 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.97 | 4.99 ug/L | 106701 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 90 |
| 3 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 87 |
| 4 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 81 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 81 |



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Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

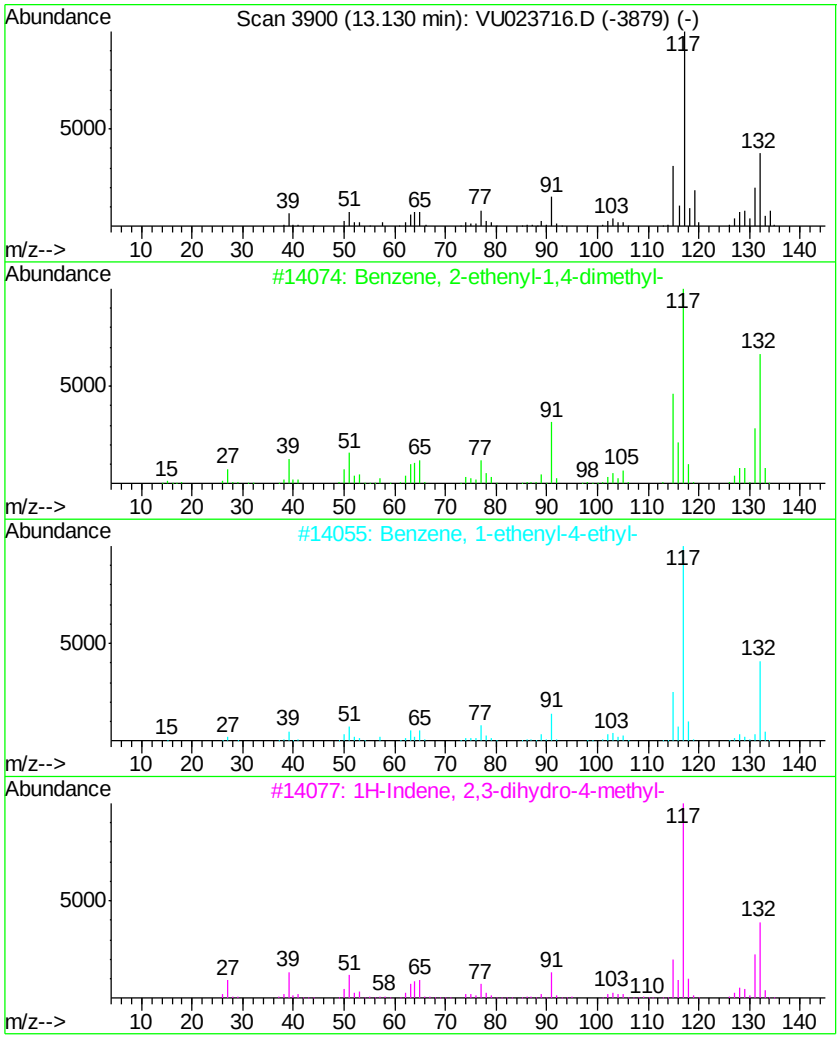
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

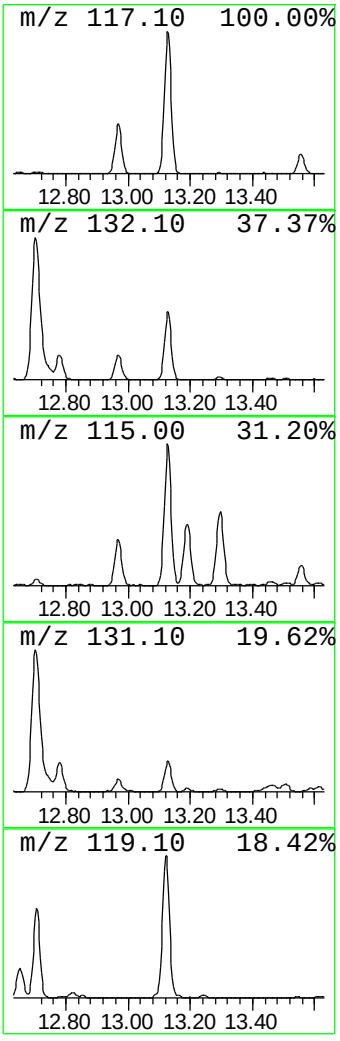
**********

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.13 | 16.62 ug/L | 355678 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 95 |
| 2 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 93 |
| 3 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 87 |
| 4 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 81 |
| 5 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 76 |



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

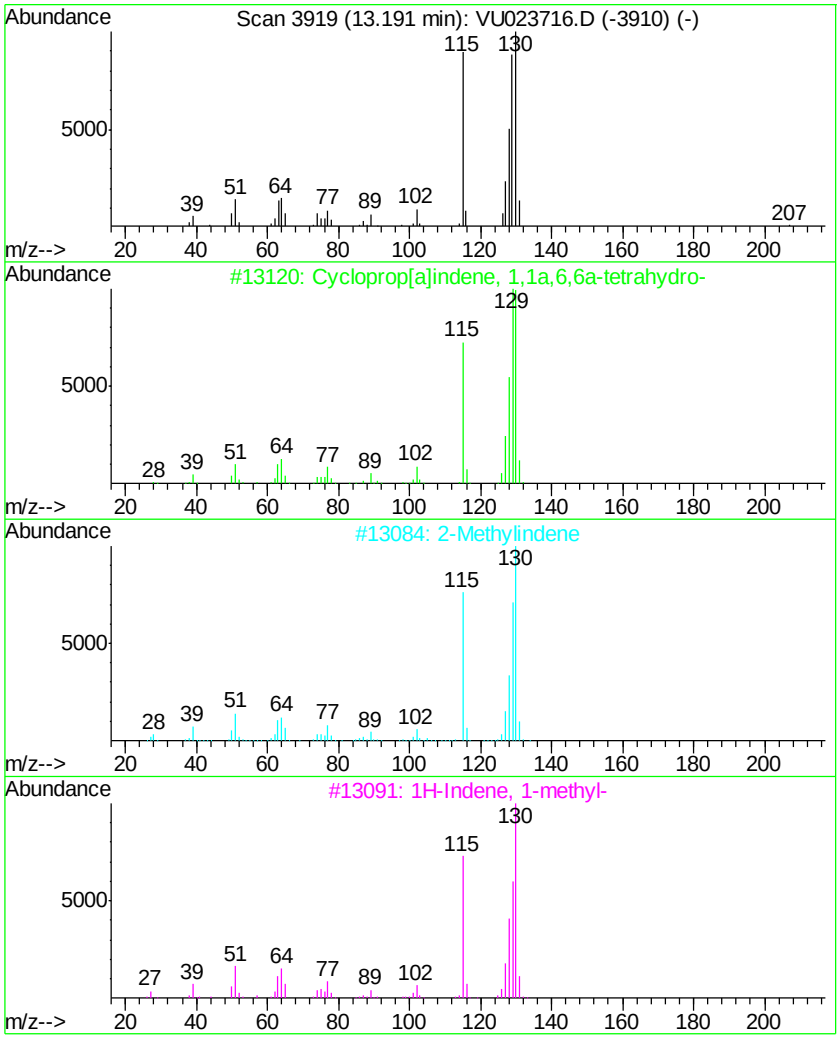
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

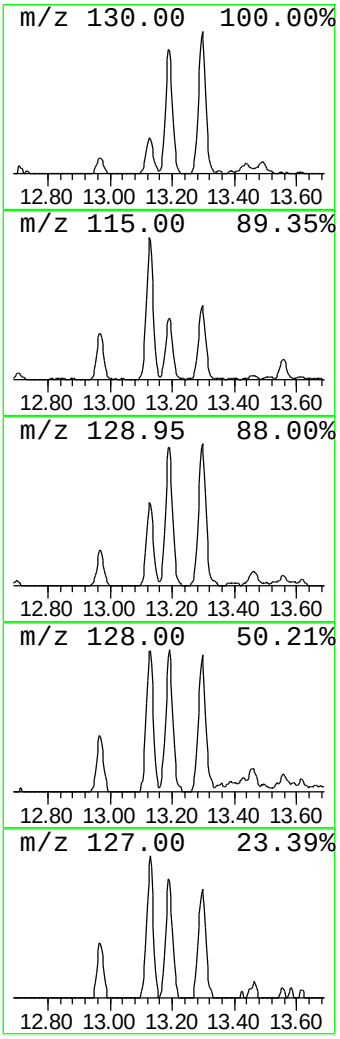
**********

Peak Number 11 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.19 | 3.21 ug/L | 68663 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 96 |
| 2 | 2-Methylindene | 130 | C10H10 | 002177-47-1 | 96 |
| 3 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 95 |
| 4 | 1,4-Dihydronaphthalene | 130 | C10H10 | 000612-17-9 | 95 |
| 5 | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10 | 065051-83-4 | 94 |



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

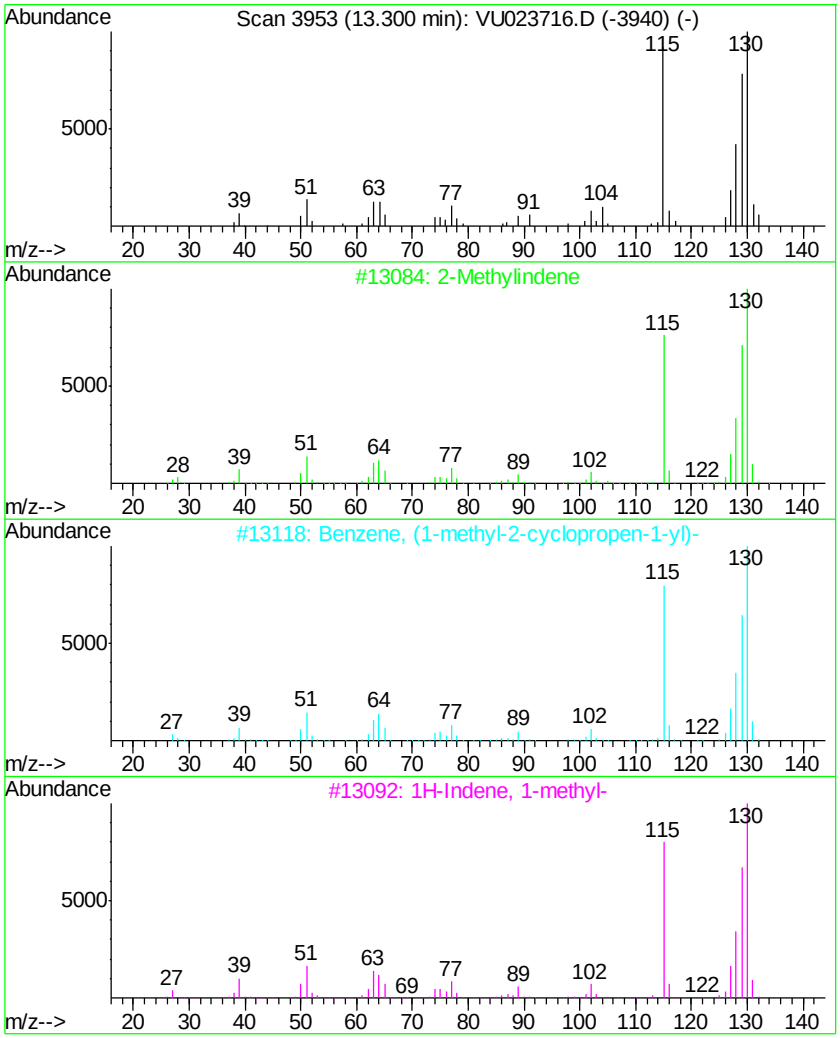
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

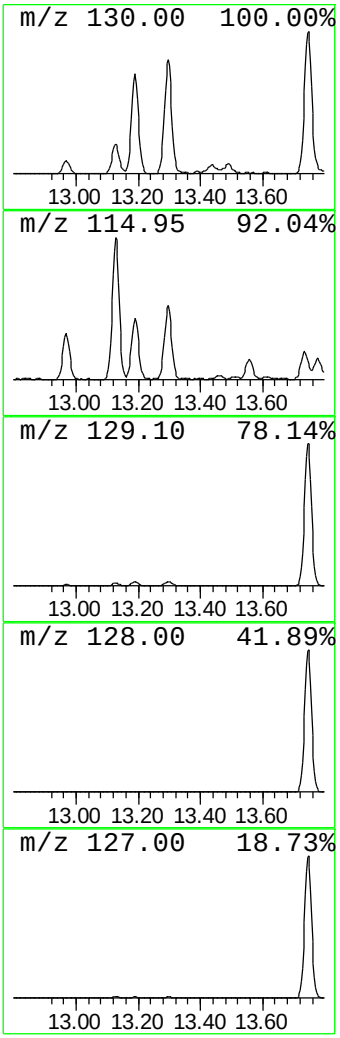
**********

Peak Number 12 2-Methylindene Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.30 | 3.85 ug/L | 82361 | 1,4-Dichlorobenzene-d4 | 11.49 |

| 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 | 1,4-Dihydronaphthalene | 130 | C10H10 | 000612-17-9 | 96 |
| 5 | 1,4-Dihydronaphthalene | 130 | C10H10 | 000612-17-9 | 96 |



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

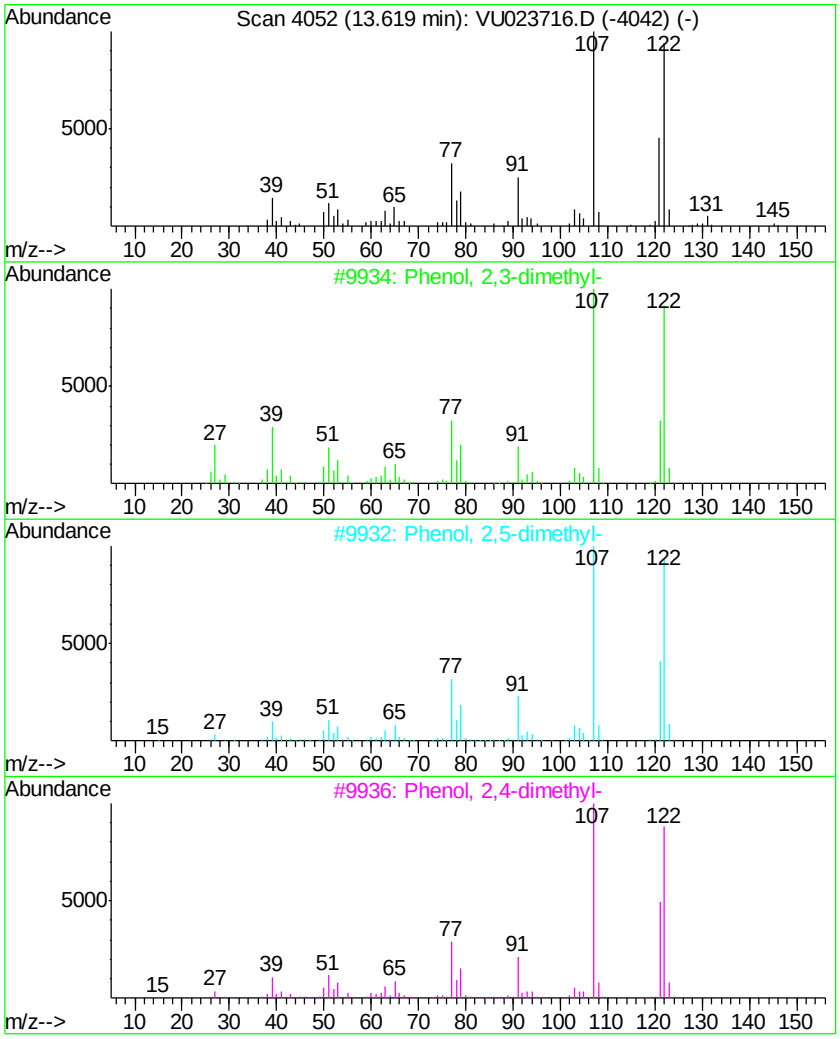
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

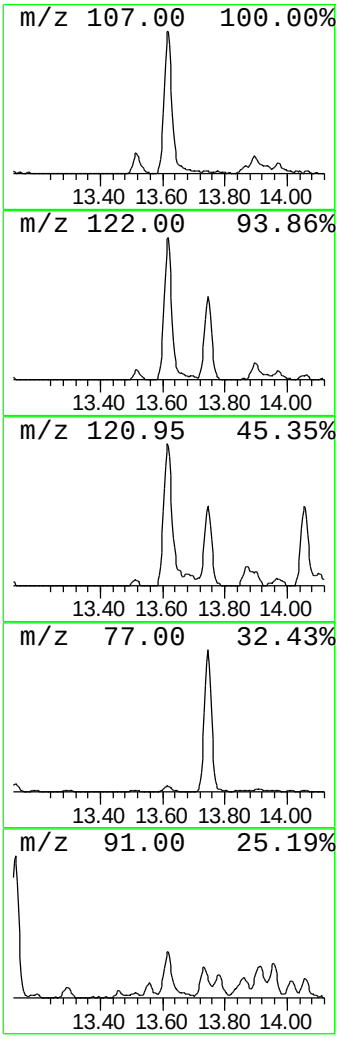
**********

Peak Number 13 Phenol, 2,3-dimethyl- Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.62 | 4.25 ug/L | 90876 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,3-dimethyl- | 122 | C8H10O | 000526-75-0 | 97 |
| 2 | Phenol, 2,5-dimethyl- | 122 | C8H10O | 000095-87-4 | 96 |
| 3 | Phenol, 2,4-dimethyl- | 122 | C8H10O | 000105-67-9 | 96 |
| 4 | Phenol, 2,3-dimethyl- | 122 | C8H10O | 000526-75-0 | 96 |
| 5 | Phenol, 2,3-dimethyl- | 122 | C8H10O | 000526-75-0 | 96 |



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

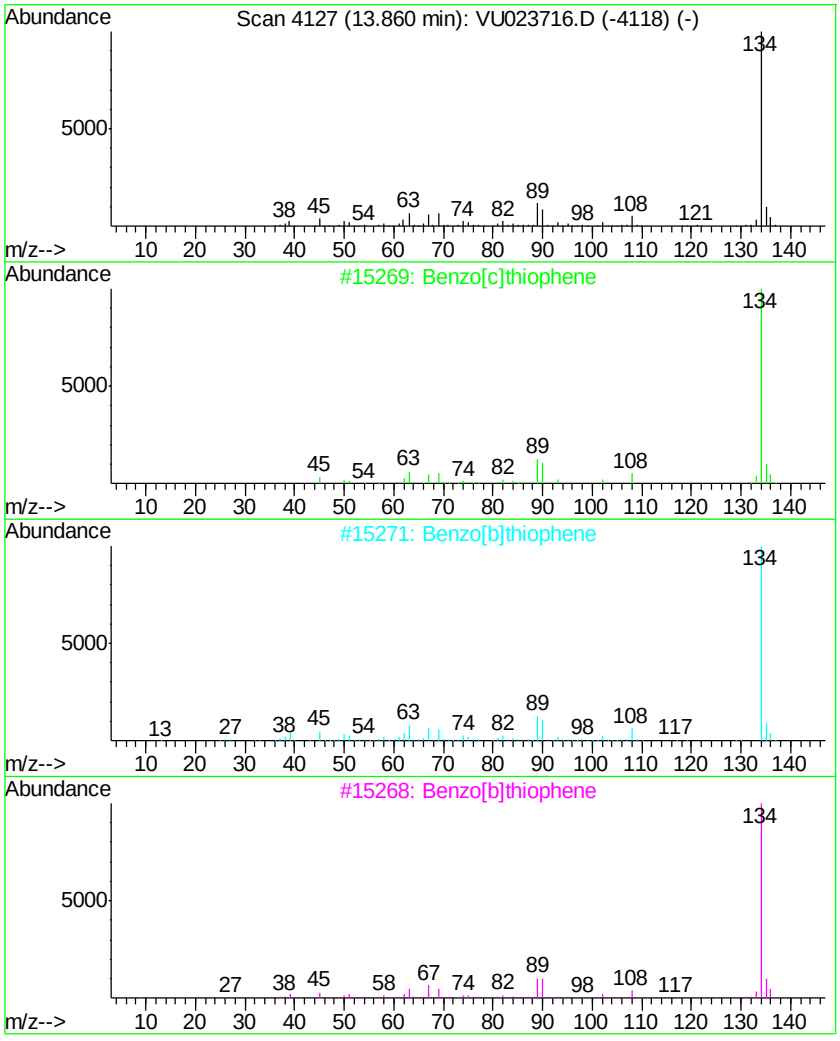
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

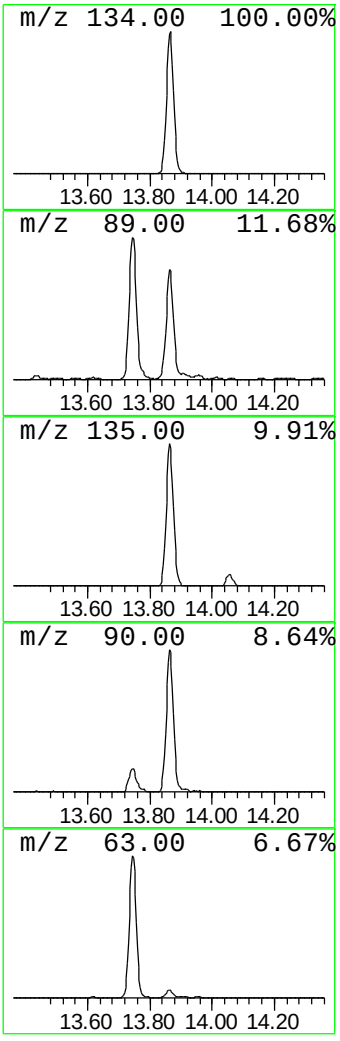
**********

Peak Number 15 Benzo[c]thiophene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.86 | 18.00 ug/L | 385051 | 1,4-Dichlorobenzene-d4 | 11.49 |

| 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 | 97 |
| 3 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 95 |
| 4 | Cyclopenta[c]thiapyran | 134 | C8H6S | 000270-63-3 | 94 |
| 5 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 91 |



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

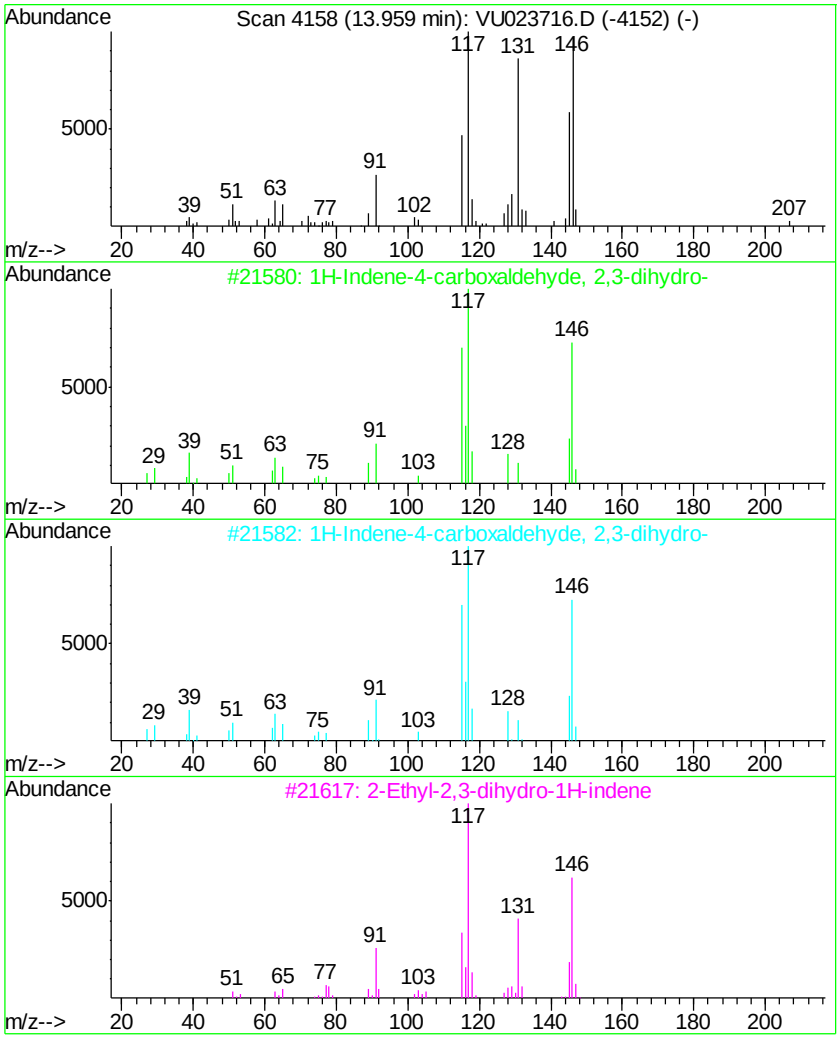
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

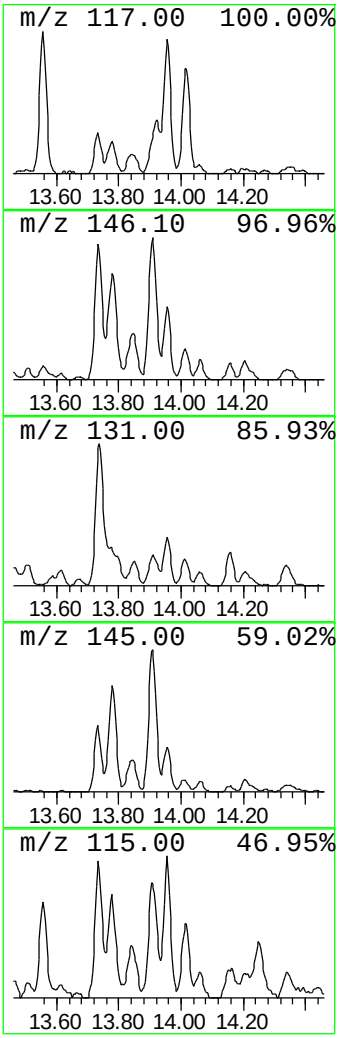
**********

Peak Number 16 1H-Indene-4-carboxaldehyde,... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.96 | 2.67 ug/L | 57227 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene-4-carboxaldehyde, 2,3-... | 146 | C10H10O | 051932-70-8 | 70 |
| 2 | 1H-Indene-4-carboxaldehyde, 2,3-... | 146 | C10H10O | 051932-70-8 | 70 |
| 3 | 2-Ethyl-2,3-dihydro-1H-indene | 146 | C11H14 | 056147-63-8 | 64 |
| 4 | 1-Naphthalenol, 5,8-dihydro- | 146 | C10H10O | 027673-48-9 | 58 |
| 5 | 1H-Benzimidazole, 5,6-dimethyl- | 146 | C9H10N2 | 000582-60-5 | 53 |



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

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

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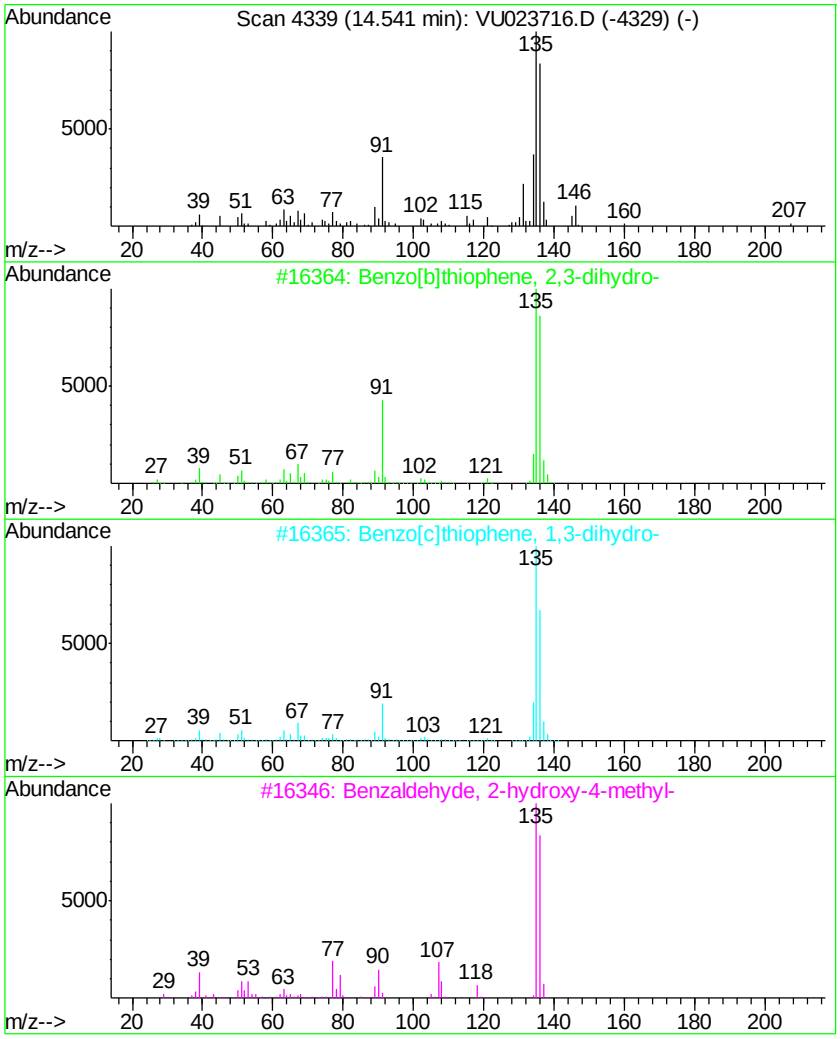
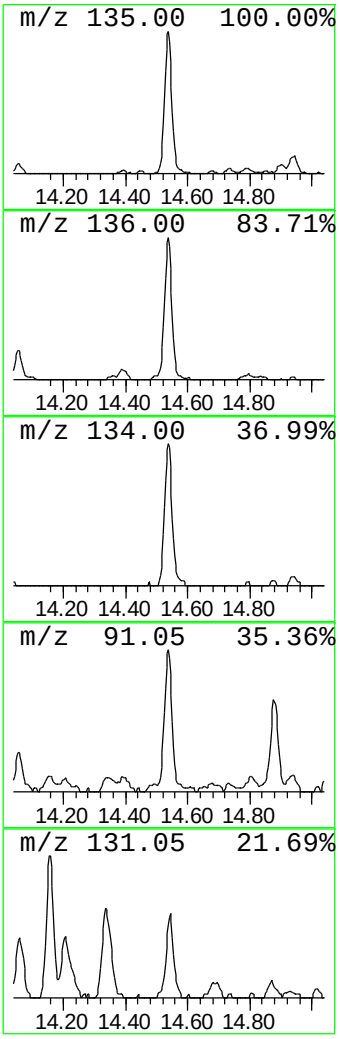
Peak Number 17 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.54 | 4.71 ug/L | 100790 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene, 2,3-dihydro- | 136 | C8H8S | 004565-32-6 | 87 |
| 2 | Benzo[c]thiophene, 1,3-dihydro- | 136 | C8H8S | 002471-92-3 | 81 |
| 3 | Benzaldehyde, 2-hydroxy-4-methyl- | 136 | C8H8O2 | 000698-27-1 | 64 |
| 4 | Benzo[b]thiophene, 2,3-dihydro- | 136 | C8H8S | 004565-32-6 | 64 |
| 5 | 2-Hydroxy-5-methylbenzaldehyde | 136 | C8H8O2 | 000613-84-3 | 64 |



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

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

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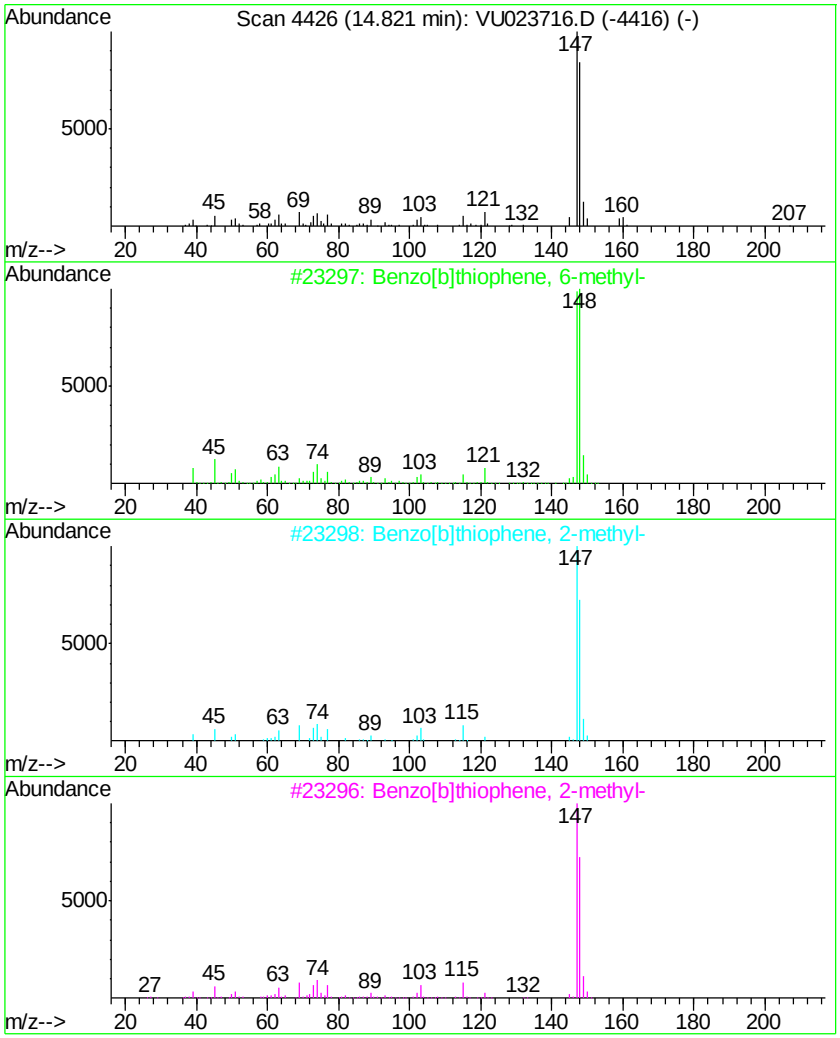
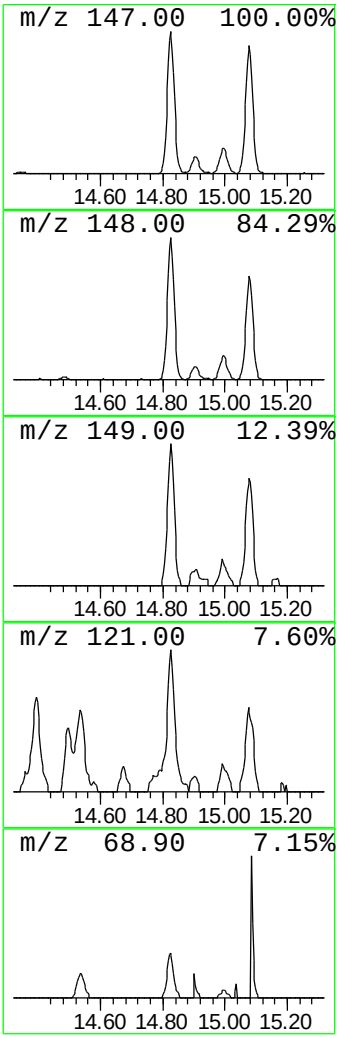
Peak Number 18 Benzo[b]thiophene, 6-methyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.82 | 5.81 ug/L | 124229 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene, 6-methyl- | 148 | C9H8S | 016587-47-6 | 94 |
| 2 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 91 |
| 3 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 91 |
| 4 | 3-Methylbenzothiophene | 148 | C9H8S | 001455-18-1 | 90 |
| 5 | Benzo[b]thiophene, 5-methyl- | 148 | C9H8S | 014315-14-1 | 90 |



Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

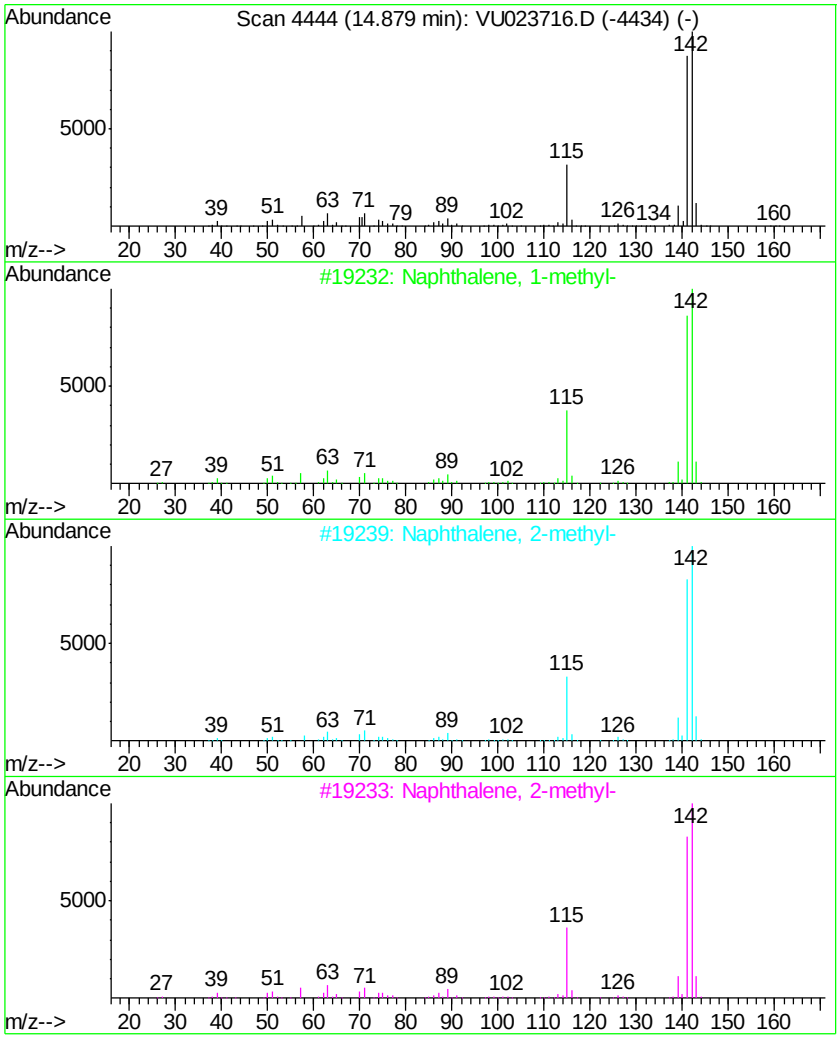
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

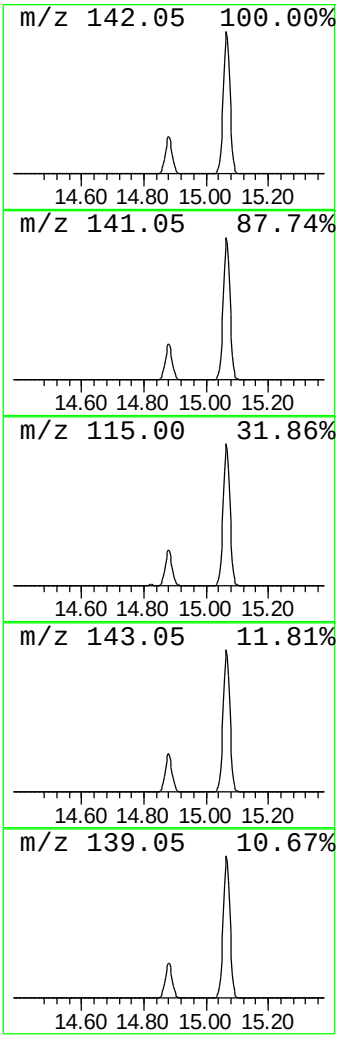
**********

Peak Number 19 Naphthalene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.88 | 53.86 ug/L | 1152320 | 1,4-Dichlorobenzene-d4 | 11.49 |

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



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

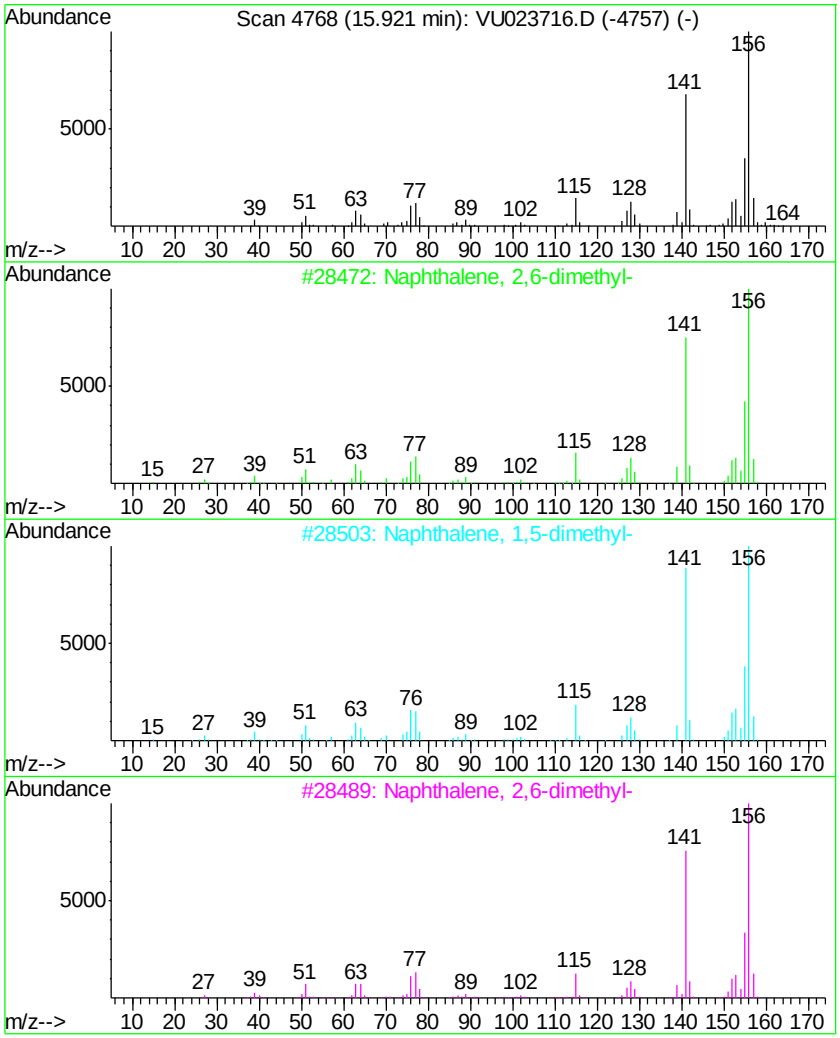
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

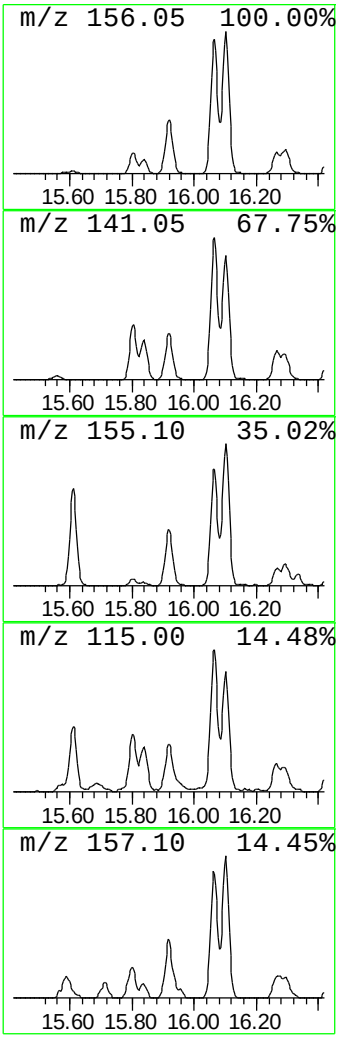
**********

Peak Number 23 Naphthalene, 2,6-dimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.92 | 9.40 ug/L | 201137 | 1,4-Dichlorobenzene-d4 | 11.49 |

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



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

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

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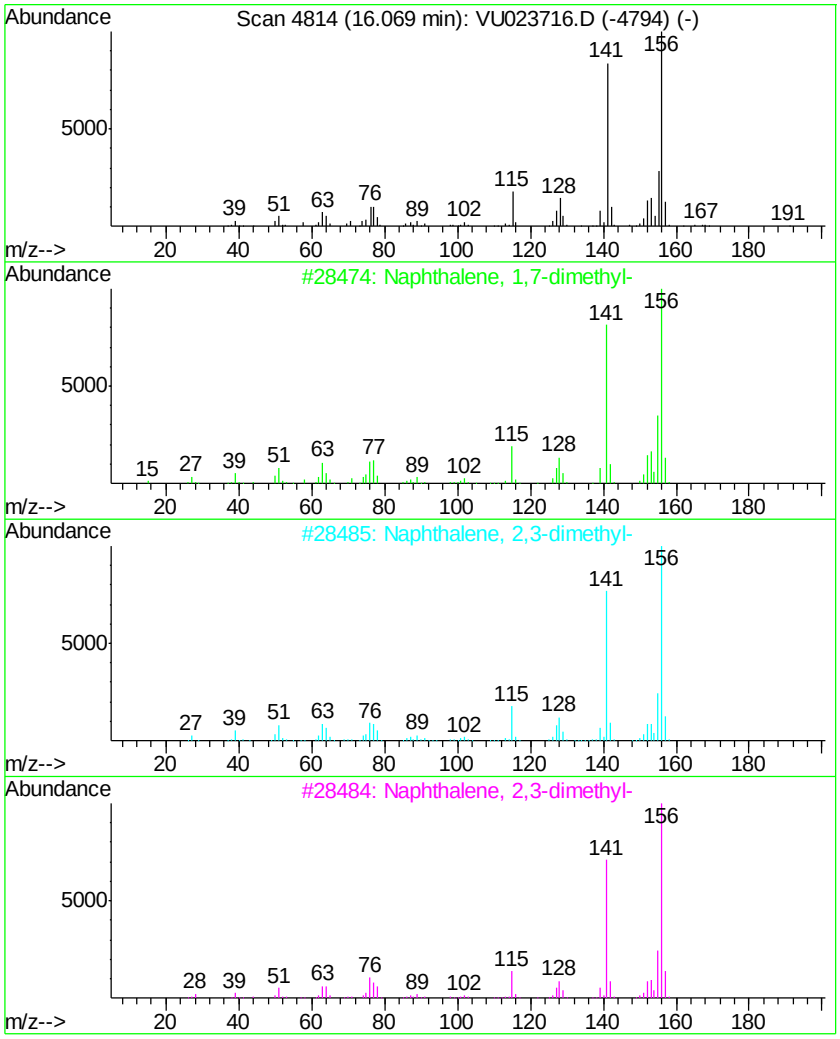
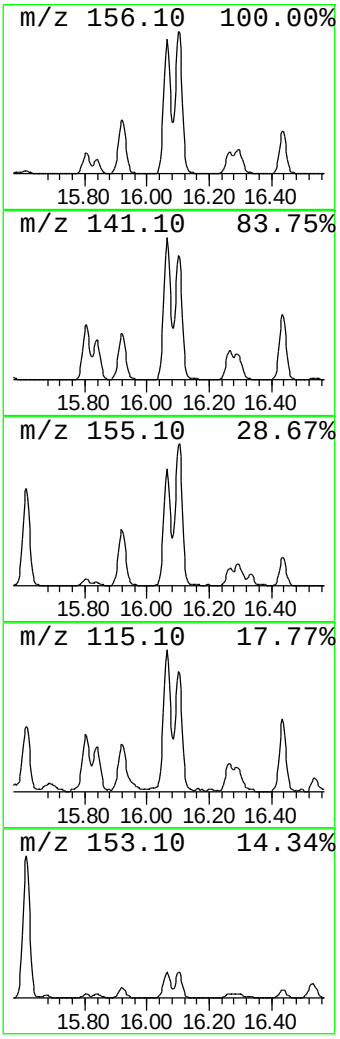
Peak Number 24 Naphthalene, 1,7-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.07 | 19.54 ug/L | 418118 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 98 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 4 | Naphthalene, 1,8-dimethyl- | 156 | C12H12 | 000569-41-5 | 97 |
| 5 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

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

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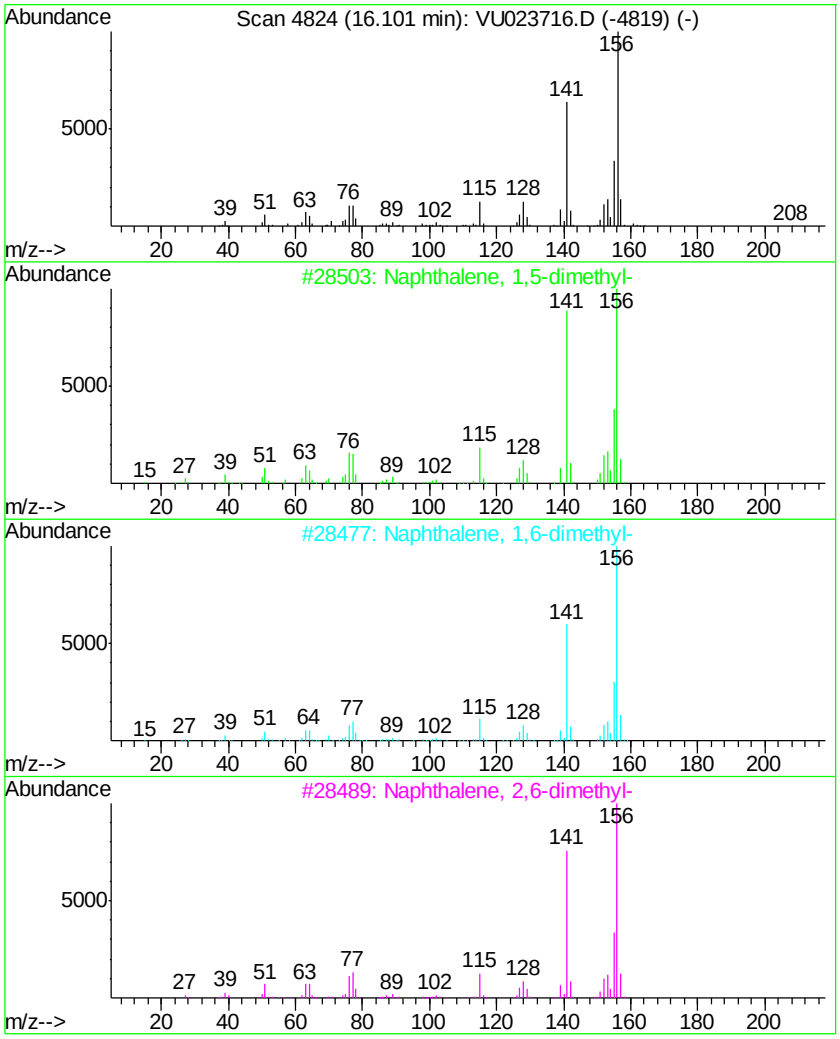
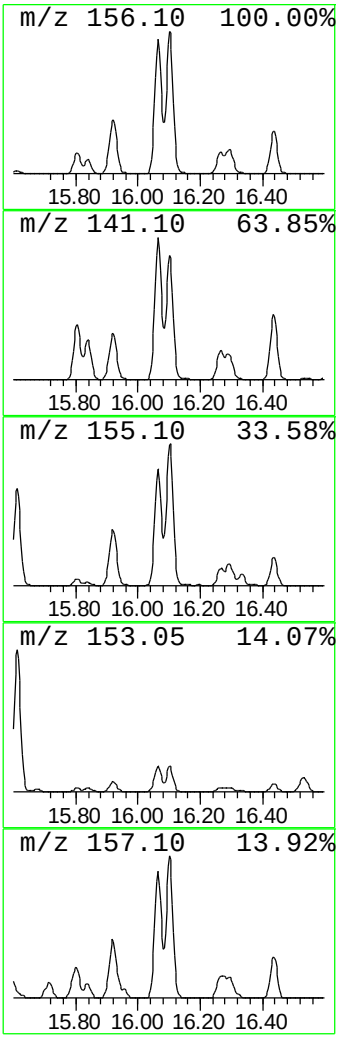
Peak Number 25 Naphthalene, 1,5-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.10 | 17.85 ug/L | 381955 | 1,4-Dichlorobenzene-d4 | 11.49 |

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



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

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

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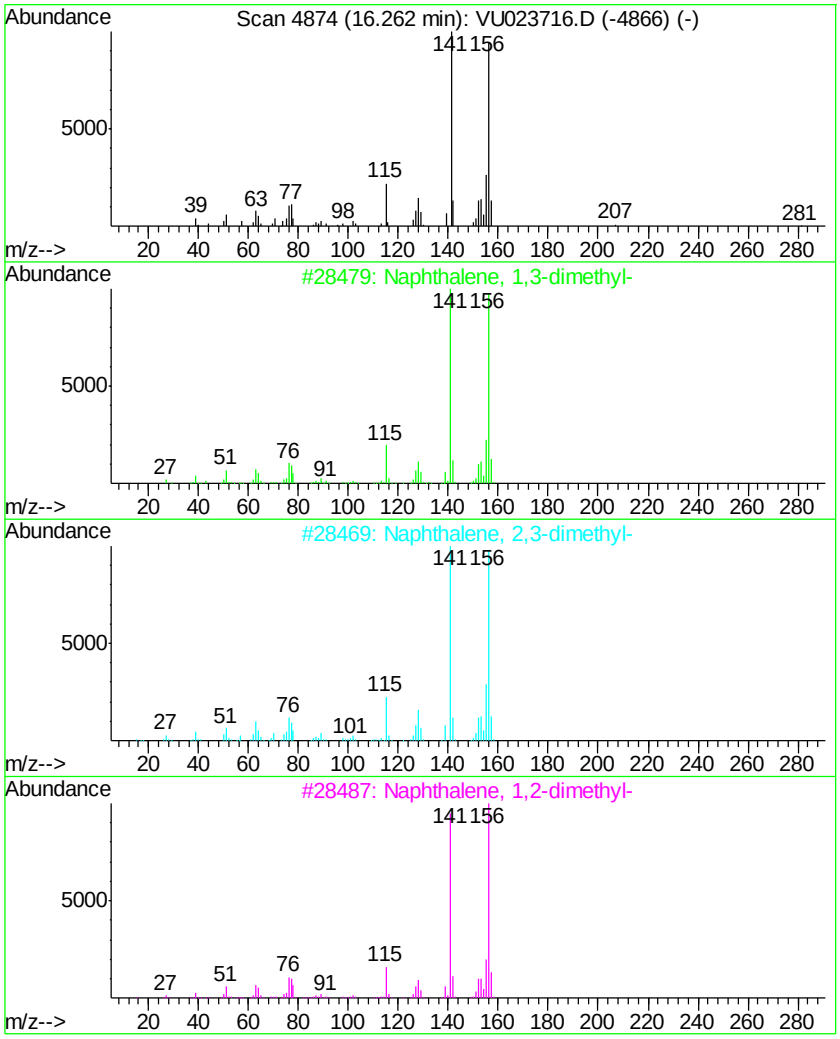
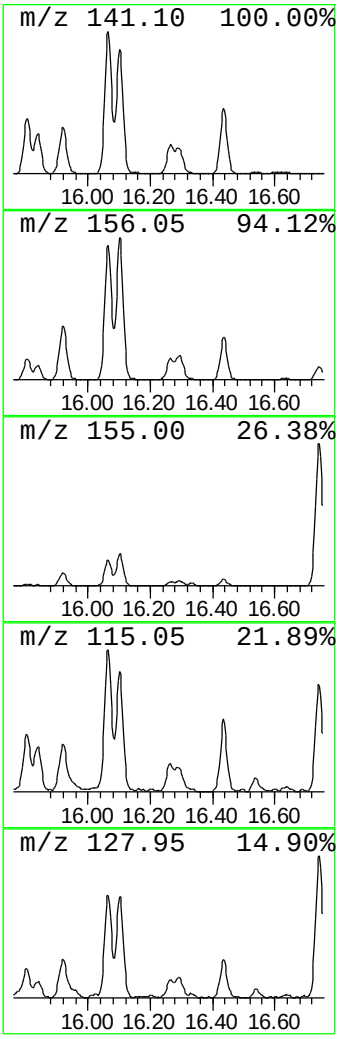
Peak Number 26 Naphthalene, 1,3-dimethyl- Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.26 | 3.17 ug/L | 67796 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 98 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 3 | Naphthalene, 1,2-dimethyl- | 156 | C12H12 | 000573-98-8 | 98 |
| 4 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

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

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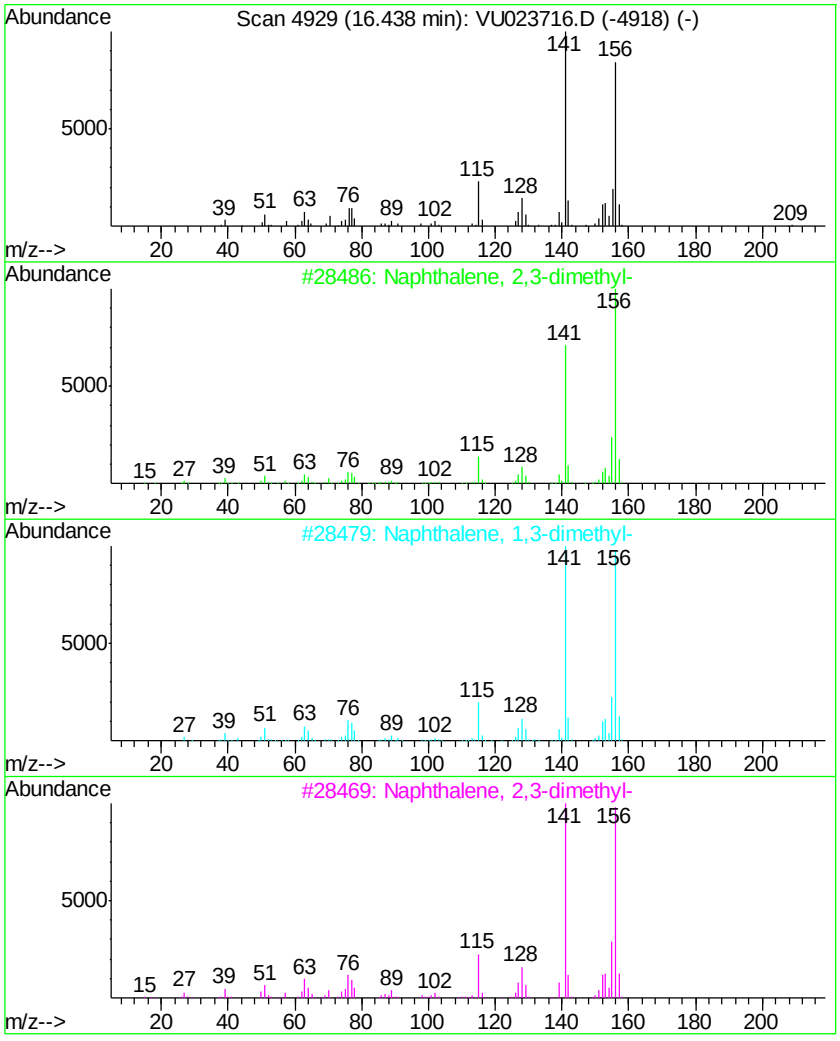
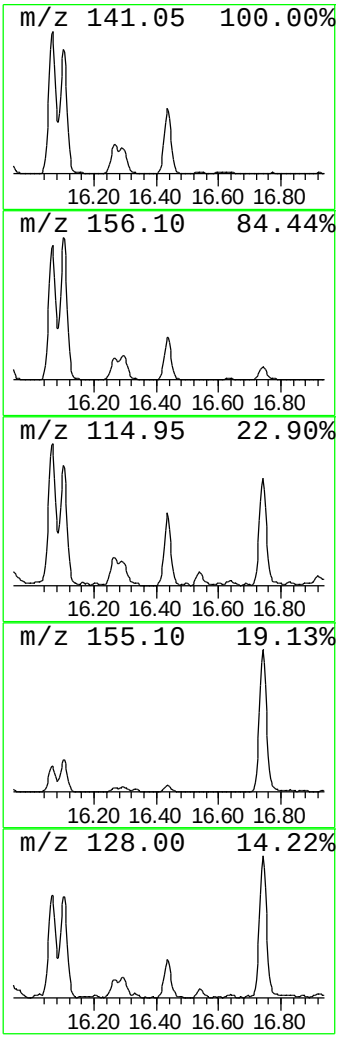
Peak Number 27 Naphthalene, 2,3-dimethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.44 | 6.80 ug/L | 145481 | 1,4-Dichlorobenzene-d4 | 11.49 |

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



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

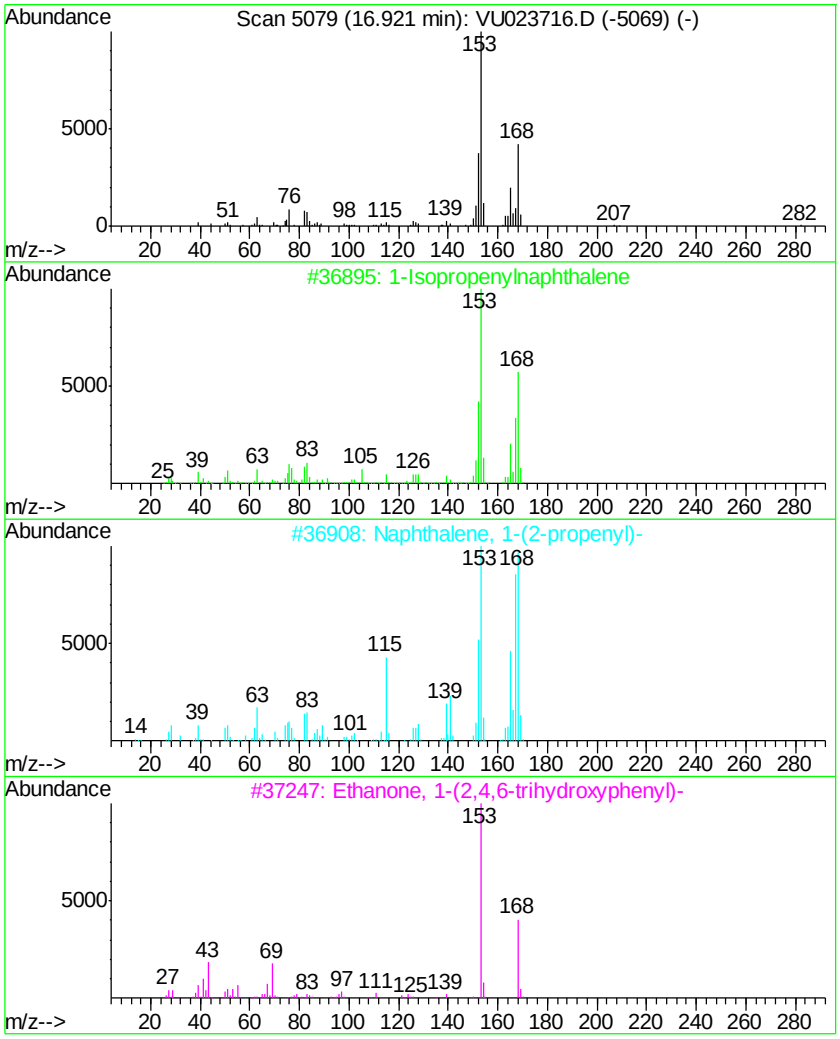
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

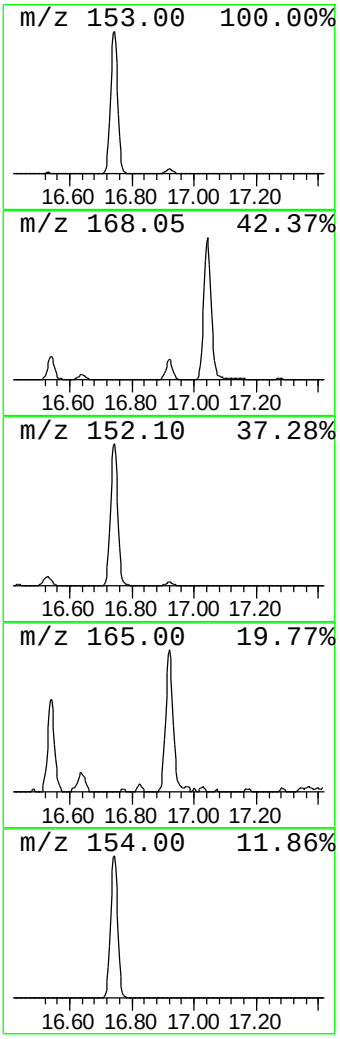
**********

Peak Number 30 1-Isopropenylnaphthalene Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.92 | 7.07 ug/L | 151245 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Isopropenylnaphthalene | 168 | C13H12 | 001855-47-6 | 91 |
| 2 | Naphthalene, 1-(2-propenyl)- | 168 | C13H12 | 002489-86-3 | 56 |
| 3 | Ethanone, 1-(2,4,6-trihydroxyphe... | 168 | C8H8O4 | 000480-66-0 | 52 |
| 4 | Ethanone, 1-(2,3,4-trihydroxyphe... | 168 | C8H8O4 | 000528-21-2 | 50 |
| 5 | Ethanone, 1-(2,4,6-trihydroxyphe... | 168 | C8H8O4 | 000480-66-0 | 50 |



Tentatively Identified Compound (LSC) summary

Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050718\
Data File : VU023716.D
Acq On : 07 May 2018 15:28
Operator : MD/SY
Sample : J2725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.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 |
| Benzofuran | 11.40 | 3.0 | ug/L | 63776 | 3 | 11.49 | 1069770 | 50.0 |
| Indane | 11.77 | 16.9 | ug/L | 362002 | 3 | 11.49 | 1069770 | 50.0 |
| Indene | 11.99 | 20.5 | ug/L | 438713 | 3 | 11.49 | 1069770 | 50.0 |
| Indan, 1-methyl- | 12.36 | 5.7 | ug/L | 122567 | 3 | 11.49 | 1069770 | 50.0 |
| 3-Phenyl-2-propyn... | 12.60 | 10.4 | ug/L | 221817 | 3 | 11.49 | 1069770 | 50.0 |
| Benzofuran, 7-met... | 12.70 | 18.1 | ug/L | 387753 | 3 | 11.49 | 1069770 | 50.0 |
| 1H-Indene, 2,3-di... | 12.97 | 5.0 | ug/L | 106701 | 3 | 11.49 | 1069770 | 50.0 |
| Benzene, 2-etheny... | 13.13 | 16.6 | ug/L | 355678 | 3 | 11.49 | 1069770 | 50.0 |
| Cycloprop[a]inden... | 13.19 | 3.2 | ug/L | 68663 | 3 | 11.49 | 1069770 | 50.0 |
| 2-Methylindene | 13.30 | 3.9 | ug/L | 82361 | 3 | 11.49 | 1069770 | 50.0 |
| Phenol, 2,3-dimet... | 13.62 | 4.3 | ug/L | 90876 | 3 | 11.49 | 1069770 | 50.0 |
| Benzo[c]thiophene | 13.86 | 18.0 | ug/L | 385051 | 3 | 11.49 | 1069770 | 50.0 |
| 1H-Indene-4-carbo... | 13.96 | 2.7 | ug/L | 57227 | 3 | 11.49 | 1069770 | 50.0 |
| Benzo[b]thiophene... | 14.54 | 4.7 | ug/L | 100790 | 3 | 11.49 | 1069770 | 50.0 |
| Benzo[b]thiophene... | 14.82 | 5.8 | ug/L | 124229 | 3 | 11.49 | 1069770 | 50.0 |
| Naphthalene, 1-me... | 14.88 | 53.9 | ug/L | 1152320 | 3 | 11.49 | 1069770 | 50.0 |
| Naphthalene, 2,6-... | 15.92 | 9.4 | ug/L | 201137 | 3 | 11.49 | 1069770 | 50.0 |
| Naphthalene, 1,7-... | 16.07 | 19.5 | ug/L | 418118 | 3 | 11.49 | 1069770 | 50.0 |
| Naphthalene, 1,5-... | 16.10 | 17.9 | ug/L | 381955 | 3 | 11.49 | 1069770 | 50.0 |
| Naphthalene, 1,3-... | 16.26 | 3.2 | ug/L | 67796 | 3 | 11.49 | 1069770 | 50.0 |
| Naphthalene, 2,3-... | 16.44 | 6.8 | ug/L | 145481 | 3 | 11.49 | 1069770 | 50.0 |
| 1-Isopropenylnaph... | 16.92 | 7.1 | ug/L | 151245 | 3 | 11.49 | 1069770 | 50.0 |