LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

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_Y\METHODS\SOM2YLM120420S.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 | 1.936 | 17 | 19 | 22 | rVB | 682 | 458 | 0.02% | 0.003% |
| 2 | 2.058 | 34 | 39 | 44 | rBV5 | 1327 | 2671 | 0.14% | 0.019% |
| 3 | 2.113 | 46 | 48 | 49 | rVV2 | 655 | 582 | 0.03% | 0.004% |
| 4 | 2.247 | 64 | 70 | 82 | rVV | 100249 | 164370 | 8.83% | 1.168% |
| 5 | 2.388 | 91 | 93 | 95 | rVB3 | 904 | 886 | 0.05% | 0.006% |
| 6 | 2.412 | 95 | 97 | 98 | rBV | 991 | 527 | 0.03% | 0.004% |
| 7 | 2.461 | 101 | 105 | 106 | rBV3 | 802 | 714 | 0.04% | 0.005% |
| 8 | 2.479 | 106 | 108 | 109 | rVB2 | 798 | 523 | 0.03% | 0.004% |
| 9 | 2.534 | 109 | 117 | 118 | rBV6 | 3422 | 7028 | 0.38% | 0.050% |
| 10 | 2.613 | 129 | 130 | 132 | rVB2 | 1132 | 691 | 0.04% | 0.005% |
| 11 | 2.650 | 135 | 136 | 140 | rVB4 | 833 | 771 | 0.04% | 0.005% |
| 12 | 2.705 | 144 | 145 | 147 | rBV | 782 | 561 | 0.03% | 0.004% |
| 13 | 2.772 | 147 | 156 | 167 | rBV | 77145 | 156508 | 8.41% | 1.112% |
| 14 | 2.942 | 182 | 184 | 186 | rVB2 | 469 | 427 | 0.02% | 0.003% |
| 15 | 2.967 | 186 | 188 | 189 | rBV2 | 684 | 415 | 0.02% | 0.003% |
| 16 | 2.991 | 190 | 192 | 195 | rVB4 | 521 | 607 | 0.03% | 0.004% |
| 17 | 3.016 | 195 | 196 | 200 | rBV3 | 794 | 1059 | 0.06% | 0.008% |
| 18 | 3.131 | 213 | 215 | 216 | rVV | 860 | 575 | 0.03% | 0.004% |
| 19 | 3.205 | 224 | 227 | 230 | rBV | 384 | 644 | 0.03% | 0.005% |
| 20 | 3.265 | 230 | 237 | 245 | rVB5 | 1543 | 3937 | 0.21% | 0.028% |
| 21 | 3.448 | 265 | 267 | 270 | rVB2 | 478 | 537 | 0.03% | 0.004% |
| 22 | 3.692 | 304 | 307 | 312 | rVB2 | 294 | 521 | 0.03% | 0.004% |
| 23 | 3.765 | 318 | 319 | 324 | rVB4 | 484 | 537 | 0.03% | 0.004% |
| 24 | 3.863 | 324 | 335 | 358 | rBV | 175491 | 478357 | 25.70% | 3.400% |
| 25 | 4.089 | 371 | 372 | 375 | rBV2 | 464 | 576 | 0.03% | 0.004% |
| 26 | 4.217 | 385 | 393 | 400 | rBV4 | 1995 | 5416 | 0.29% | 0.038% |
| 27 | 4.729 | 466 | 477 | 491 | rBV2 | 11040 | 37180 | 2.00% | 0.264% |
| 28 | 4.912 | 501 | 507 | 508 | rBV4 | 768 | 1089 | 0.06% | 0.008% |
| 29 | 4.936 | 508 | 511 | 512 | rBV2 | 882 | 1106 | 0.06% | 0.008% |
| 30 | 5.143 | 542 | 545 | 547 | rVB3 | 472 | 527 | 0.03% | 0.004% |
| 31 | 5.229 | 556 | 559 | 560 | rBV2 | 817 | 877 | 0.05% | 0.006% |
| 32 | 5.576 | 607 | 616 | 625 | rBV4 | 662 | 2014 | 0.11% | 0.014% |
| 33 | 5.765 | 637 | 647 | 658 | rVB4 | 2888 | 8449 | 0.45% | 0.060% |
| 34 | 5.966 | 677 | 680 | 682 | rVB2 | 447 | 416 | 0.02% | 0.003% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

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_Y\METHODS\SOM2YLM120420S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.387 | 744 | 749 | 753 | rVB3 | 363 | 534 | 0.03% | 0.004% |
| 36 | 6.442 | 753 | 758 | 759 | rBV3 | 289 | 467 | 0.03% | 0.003% |
| 37 | 6.747 | 801 | 808 | 811 | rBV3 | 664 | 1303 | 0.07% | 0.009% |
| 38 | 6.899 | 818 | 833 | 841 | rBV | 37512 | 109547 | 5.89% | 0.779% |
| 39 | 6.997 | 841 | 849 | 868 | rVB2 | 32256 | 107454 | 5.77% | 0.764% |
| 40 | 7.265 | 891 | 893 | 898 | rVB3 | 490 | 581 | 0.03% | 0.004% |
| 41 | 7.490 | 919 | 930 | 943 | rBV | 203070 | 514239 | 27.63% | 3.655% |
| 42 | 7.588 | 943 | 946 | 949 | rBV3 | 624 | 648 | 0.03% | 0.005% |
| 43 | 7.698 | 958 | 964 | 968 | rBV6 | 1479 | 3079 | 0.17% | 0.022% |
| 44 | 7.783 | 974 | 978 | 979 | rBV3 | 836 | 936 | 0.05% | 0.007% |
| 45 | 7.887 | 992 | 995 | 997 | rBV4 | 971 | 1329 | 0.07% | 0.009% |
| 46 | 7.911 | 997 | 999 | 1004 | rVB3 | 584 | 453 | 0.02% | 0.003% |
| 47 | 7.978 | 1008 | 1010 | 1012 | rBV2 | 605 | 439 | 0.02% | 0.003% |
| 48 | 8.009 | 1012 | 1015 | 1017 | rBV4 | 424 | 467 | 0.03% | 0.003% |
| 49 | 8.118 | 1022 | 1033 | 1051 | rBV3 | 651132 | 1860982 | 100.00% | 13.226% |
| 50 | 8.240 | 1051 | 1053 | 1056 | rVB3 | 1106 | 943 | 0.05% | 0.007% |
| 51 | 8.265 | 1056 | 1057 | 1059 | rBV2 | 557 | 469 | 0.03% | 0.003% |
| 52 | 8.313 | 1061 | 1065 | 1066 | rBV4 | 446 | 528 | 0.03% | 0.004% |
| 53 | 8.350 | 1069 | 1071 | 1073 | rBV3 | 773 | 746 | 0.04% | 0.005% |
| 54 | 8.374 | 1073 | 1075 | 1077 | rBV3 | 467 | 428 | 0.02% | 0.003% |
| 55 | 8.484 | 1092 | 1093 | 1097 | rVV3 | 812 | 575 | 0.03% | 0.004% |
| 56 | 8.533 | 1098 | 1101 | 1102 | rVV3 | 1105 | 902 | 0.05% | 0.006% |
| 57 | 8.545 | 1102 | 1103 | 1107 | rVB4 | 829 | 933 | 0.05% | 0.007% |
| 58 | 8.612 | 1112 | 1114 | 1115 | rBV2 | 800 | 734 | 0.04% | 0.005% |
| 59 | 8.697 | 1119 | 1128 | 1138 | rBV | 364212 | 732122 | 39.34% | 5.203% |
| 60 | 8.783 | 1140 | 1142 | 1144 | rBV3 | 567 | 435 | 0.02% | 0.003% |
| 61 | 8.929 | 1159 | 1166 | 1172 | rBV | 17987 | 36930 | 1.98% | 0.262% |
| 62 | 9.014 | 1178 | 1180 | 1183 | rBV4 | 1617 | 1689 | 0.09% | 0.012% |
| 63 | 9.045 | 1183 | 1185 | 1188 | rVB4 | 1045 | 964 | 0.05% | 0.007% |
| 64 | 9.124 | 1188 | 1198 | 1208 | rBV | 292496 | 595604 | 32.00% | 4.233% |
| 65 | 9.892 | 1318 | 1324 | 1334 | rVB | 188945 | 338441 | 18.19% | 2.405% |
| 66 | 10.069 | 1351 | 1353 | 1356 | rBV4 | 4253 | 4972 | 0.27% | 0.035% |
| 67 | 10.179 | 1364 | 1371 | 1379 | rBV | 654798 | 1118236 | 60.09% | 7.947% |
| 68 | 10.441 | 1408 | 1414 | 1420 | rVB | 126249 | 208723 | 11.22% | 1.483% |
| 69 | 10.581 | 1430 | 1437 | 1443 | rVB | 122740 | 227621 | 12.23% | 1.618% |
| 70 | 10.789 | 1465 | 1471 | 1480 | rBV | 174684 | 283544 | 15.24% | 2.015% |
| 71 | 10.910 | 1490 | 1491 | 1492 | rBV | 2871 | 1140 | 0.06% | 0.008% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

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_Y\METHODS\SOM2YLM120420S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.953 | 1492 | 1498 | 1510 | rBV | 53543 | 116049 | 6.24% | 0.825% |
| 73 | 11.319 | 1552 | 1558 | 1564 | rBV2 | 79368 | 138186 | 7.43% | 0.982% |
| 74 | 11.490 | 1579 | 1586 | 1595 | rVB | 556258 | 908517 | 48.82% | 6.457% |
| 75 | 11.868 | 1639 | 1648 | 1649 | rBV9 | 30631 | 72729 | 3.91% | 0.517% |
| 76 | 12.422 | 1723 | 1739 | 1742 | rBV4 | 117717 | 510689 | 27.44% | 3.629% |
| 77 | 12.489 | 1746 | 1750 | 1756 | rVV2 | 195977 | 431723 | 23.20% | 3.068% |
| 78 | 12.557 | 1757 | 1761 | 1767 | rVB | 247820 | 402458 | 21.63% | 2.860% |
| 79 | 12.959 | 1814 | 1827 | 1839 | rBV3 | 252690 | 1147076 | 61.64% | 8.152% |
| 80 | 13.099 | 1842 | 1850 | 1861 | rVB5 | 112583 | 486685 | 26.15% | 3.459% |
| 81 | 13.422 | 1897 | 1903 | 1910 | rBV | 625059 | 969127 | 52.08% | 6.887% |
| 82 | 13.672 | 1938 | 1944 | 1946 | rBV3 | 51774 | 112076 | 6.02% | 0.797% |
| 83 | 13.721 | 1947 | 1952 | 1958 | rVB | 617508 | 956419 | 51.39% | 6.797% |
| 84 | 13.965 | 1987 | 1992 | 1996 | rBV2 | 32429 | 61100 | 3.28% | 0.434% |
| 85 | 14.672 | 2104 | 2108 | 2113 | rBV4 | 21733 | 40183 | 2.16% | 0.286% |
| 86 | 14.867 | 2132 | 2140 | 2148 | rBV | 29180 | 98814 | 5.31% | 0.702% |
| 87 | 15.056 | 2165 | 2171 | 2179 | rVB4 | 23688 | 54658 | 2.94% | 0.388% |
| 88 | 15.294 | 2205 | 2210 | 2221 | rVB5 | 26321 | 82292 | 4.42% | 0.585% |
| 89 | 15.404 | 2224 | 2228 | 2230 | rBV4 | 7358 | 13251 | 0.71% | 0.094% |
| 90 | 15.519 | 2244 | 2247 | 2253 | rVB4 | 16482 | 28377 | 1.52% | 0.202% |
| 91 | 15.690 | 2272 | 2275 | 2276 | rBV3 | 8131 | 8196 | 0.44% | 0.058% |
| 92 | 15.727 | 2278 | 2281 | 2291 | rVB8 | 21931 | 49141 | 2.64% | 0.349% |
| 93 | 15.806 | 2291 | 2294 | 2300 | rVB5 | 10041 | 19454 | 1.05% | 0.138% |
| 94 | 15.885 | 2300 | 2307 | 2322 | rVB7 | 19861 | 84321 | 4.53% | 0.599% |
| 95 | 16.025 | 2325 | 2330 | 2339 | rBV6 | 13678 | 29436 | 1.58% | 0.209% |
| 96 | 16.227 | 2355 | 2363 | 2368 | rBV10 | 14853 | 40437 | 2.17% | 0.287% |
| 97 | 16.288 | 2368 | 2373 | 2379 | rVB2 | 41007 | 77773 | 4.18% | 0.553% |
| 98 | 16.483 | 2398 | 2405 | 2413 | rBV2 | 37419 | 87613 | 4.71% | 0.623% |
| 99 | 16.586 | 2419 | 2422 | 2423 | rBV3 | 2238 | 2343 | 0.13% | 0.017% |
| 100 | 16.781 | 2452 | 2454 | 2455 | rBV2 | 1552 | 1186 | 0.06% | 0.008% |

Sum of corrected areas: 14071002

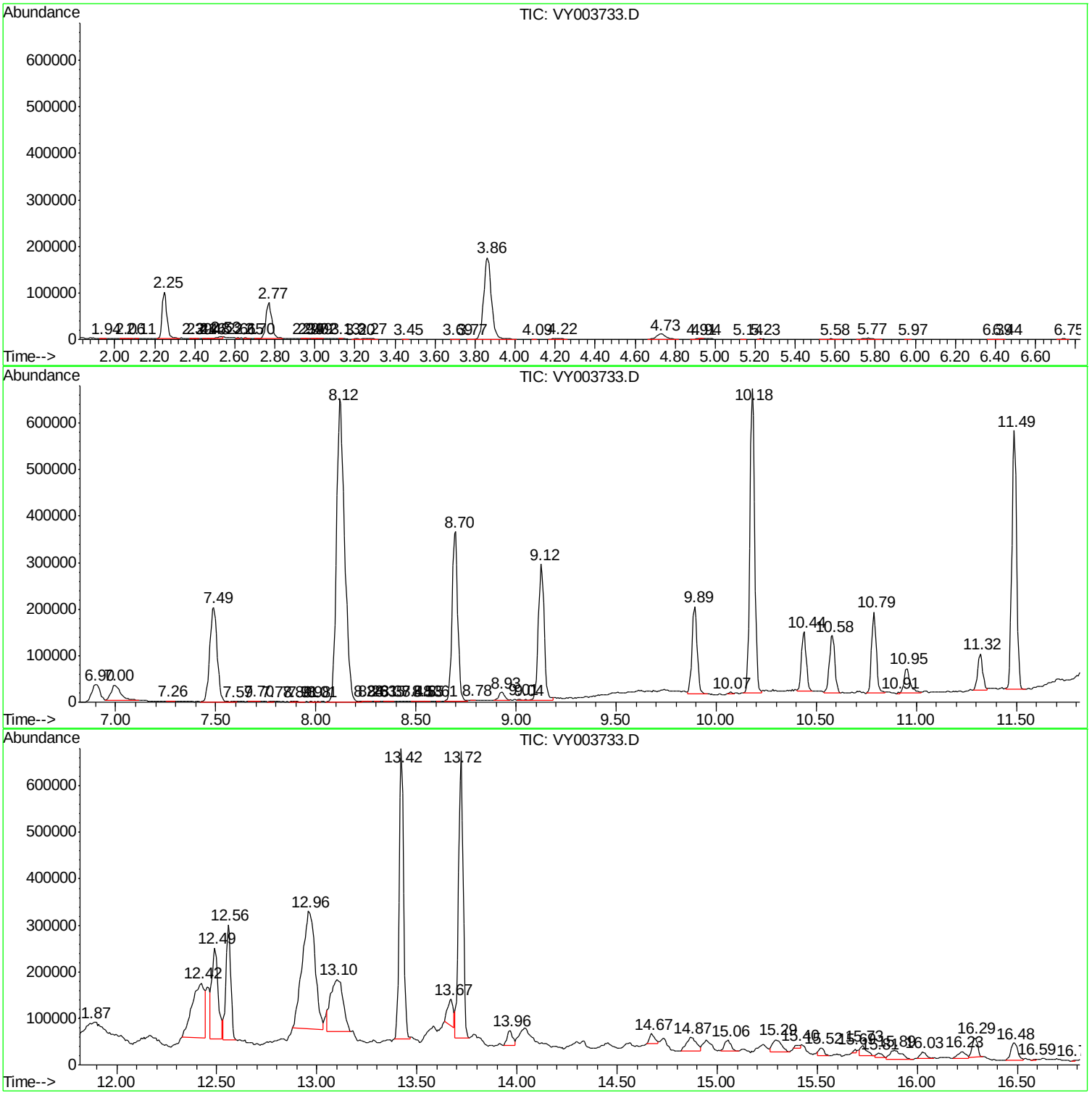
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

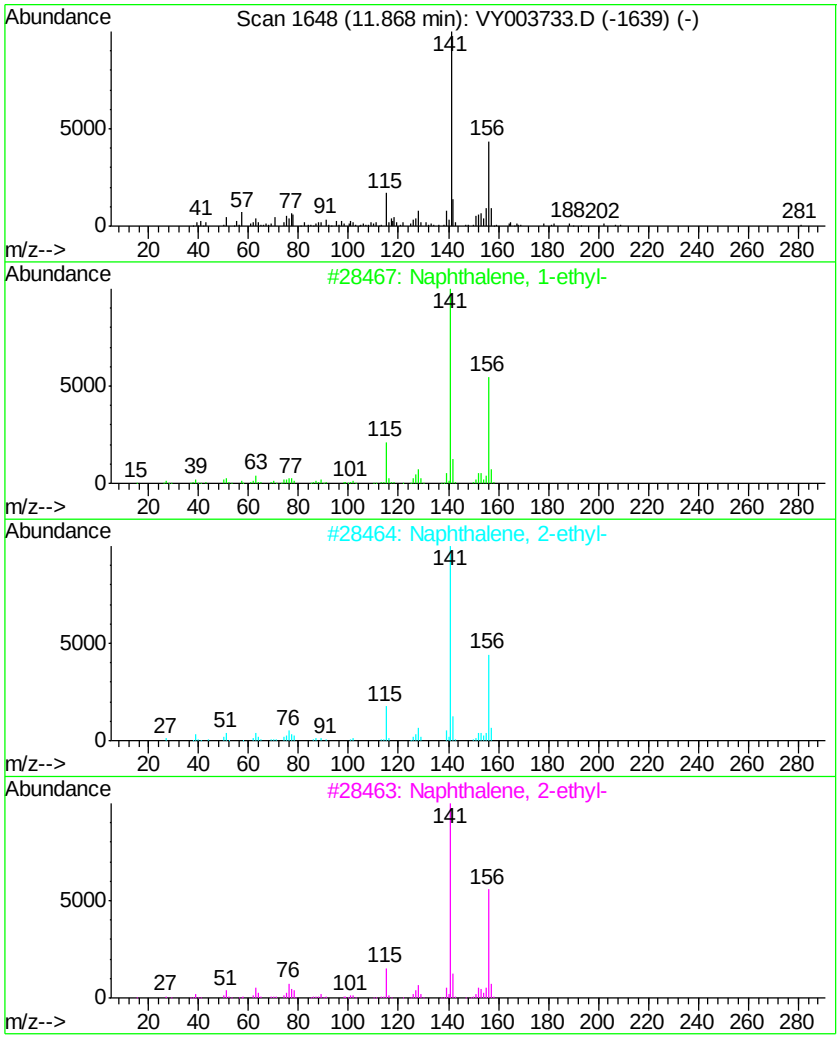
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

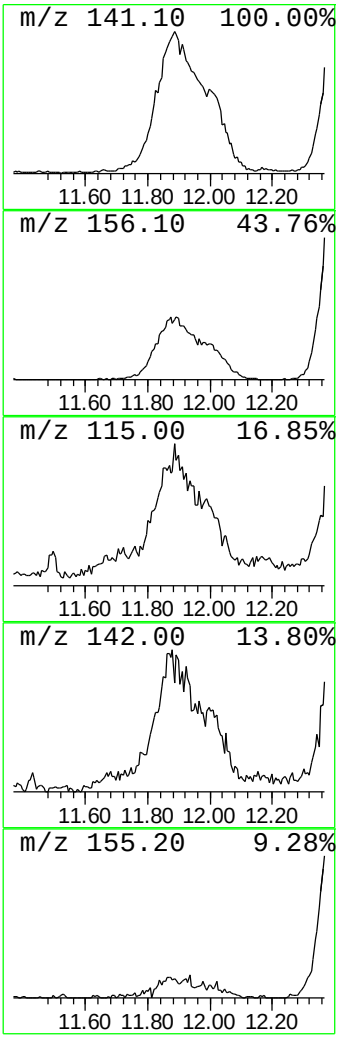
**********

Peak Number 7 Naphthalene, 1-ethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.87 | 2.00 ug/L | 72729 | Chlorobenzene-d5 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 93 |
| 2 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 93 |
| 3 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 93 |
| 4 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 87 |
| 5 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 87 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

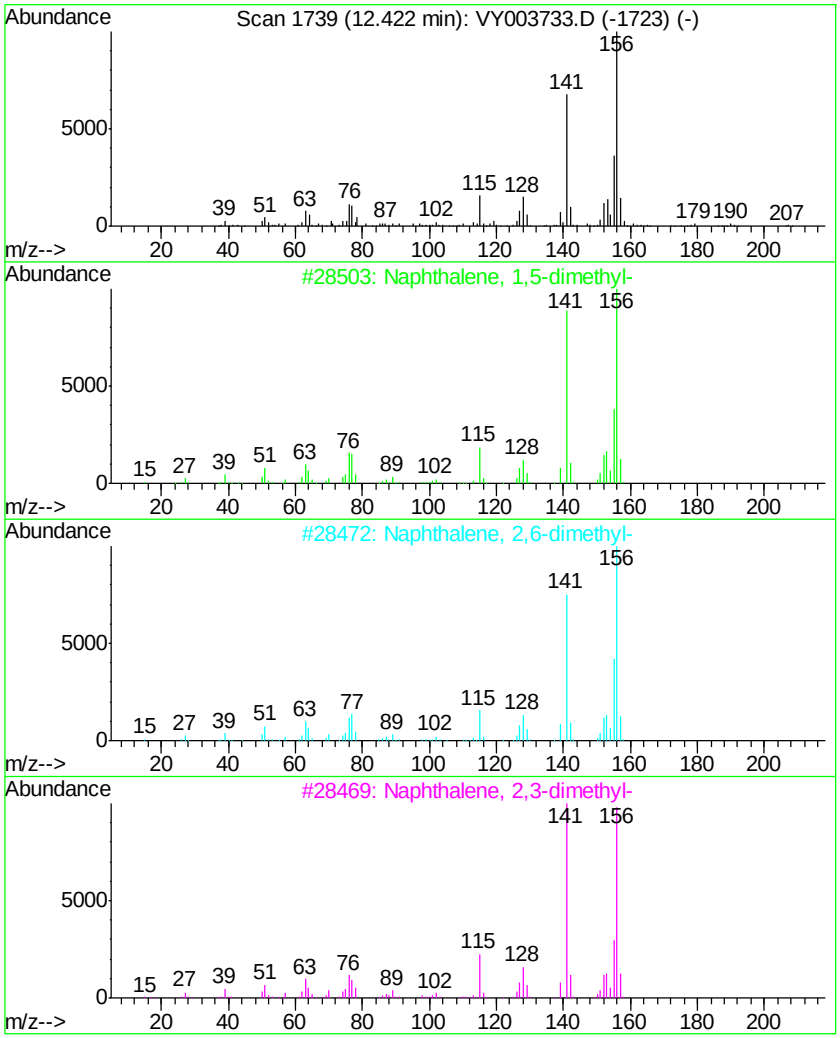
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

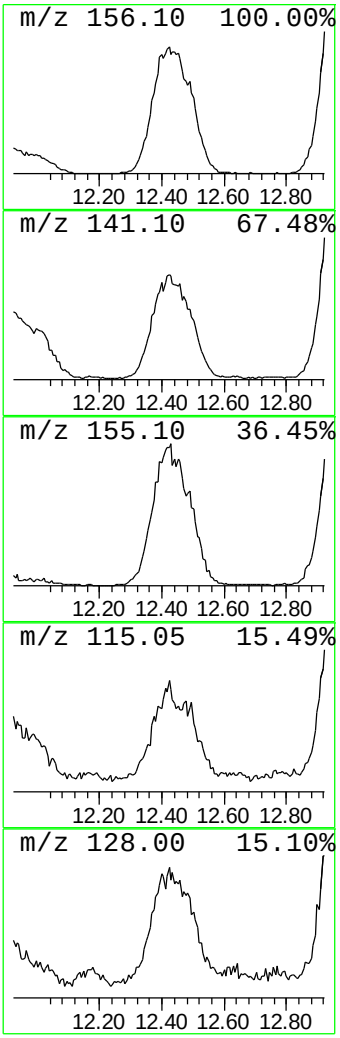
**********

Peak Number 8 Naphthalene, 1,5-dimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.42 | 14.05 ug/L | 510689 | Chlorobenzene-d5 | 11.49 |

| 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, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 5 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

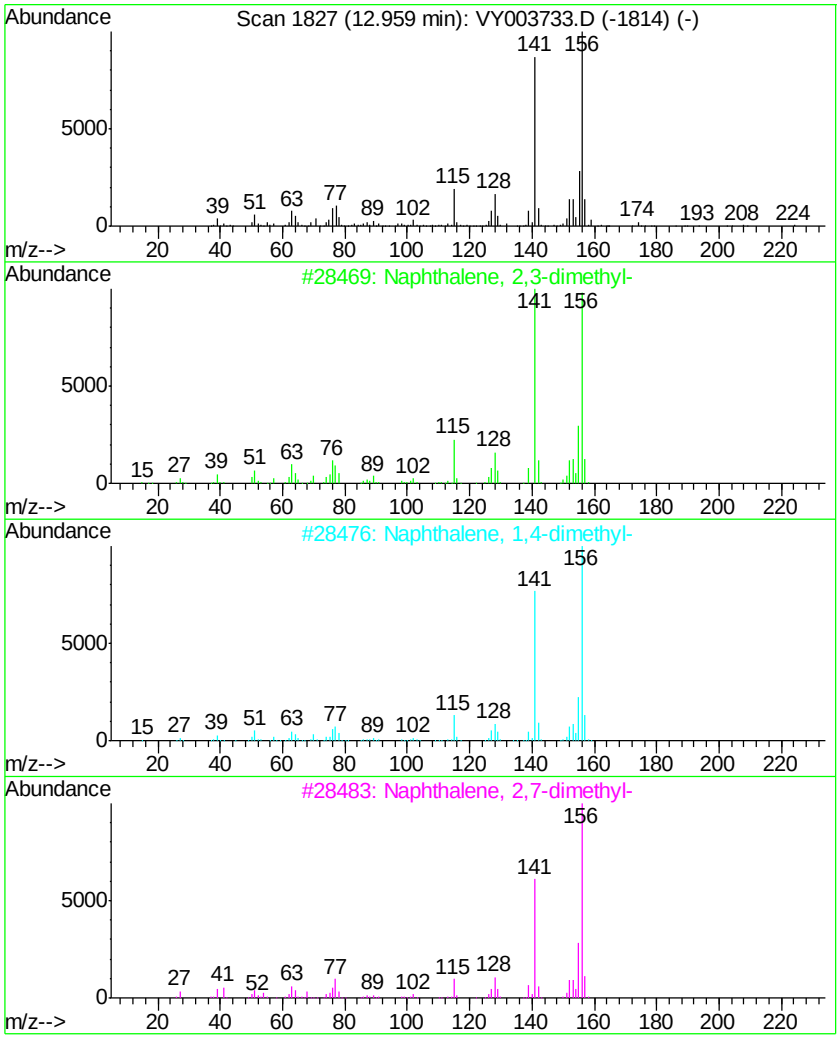
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

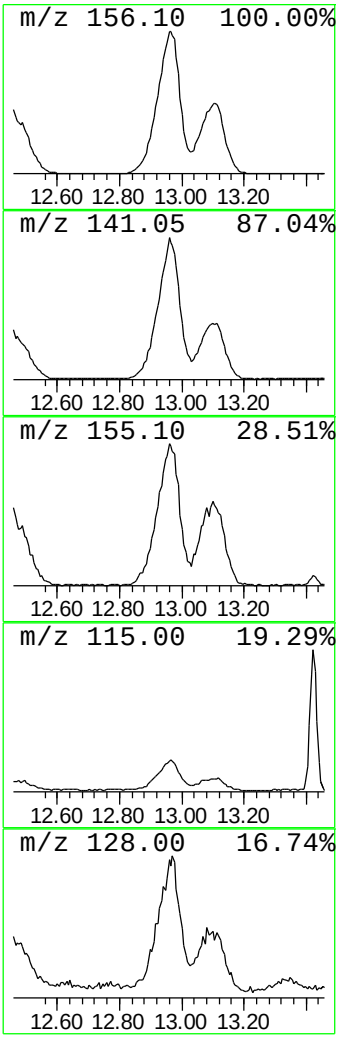
**********

Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.96 | 29.59 ug/L | 1147080 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

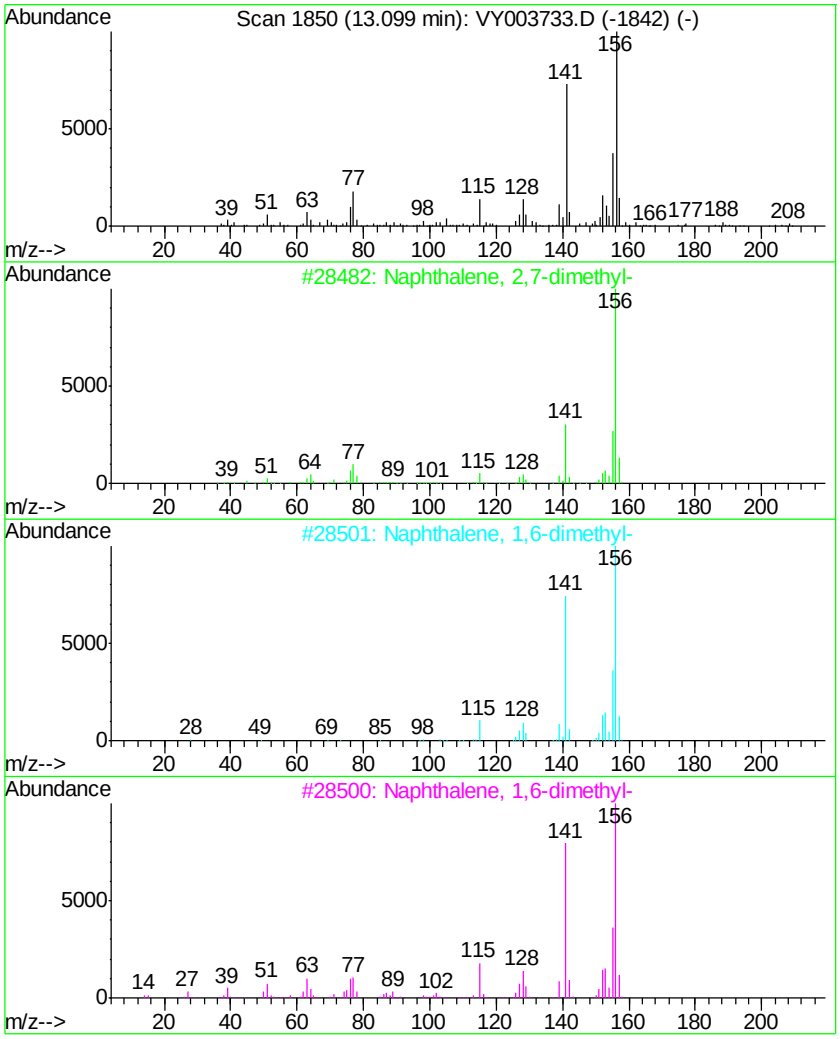
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

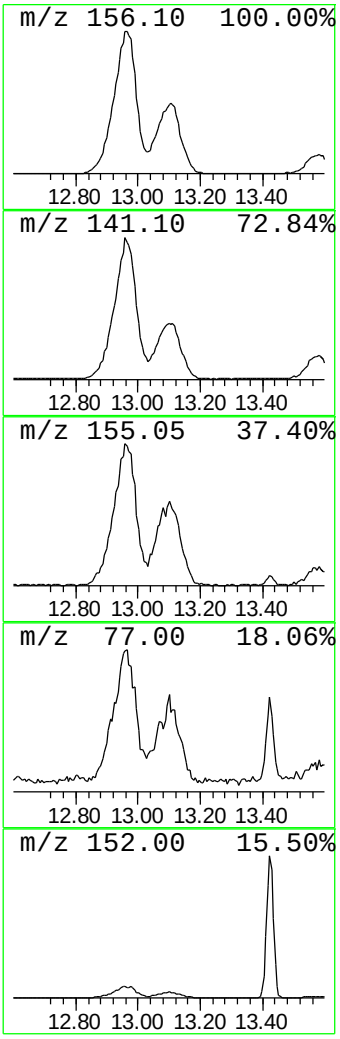
**********

Peak Number 11 Naphthalene, 2,7-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.10 | 12.55 ug/L | 486685 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 4 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 96 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 95 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

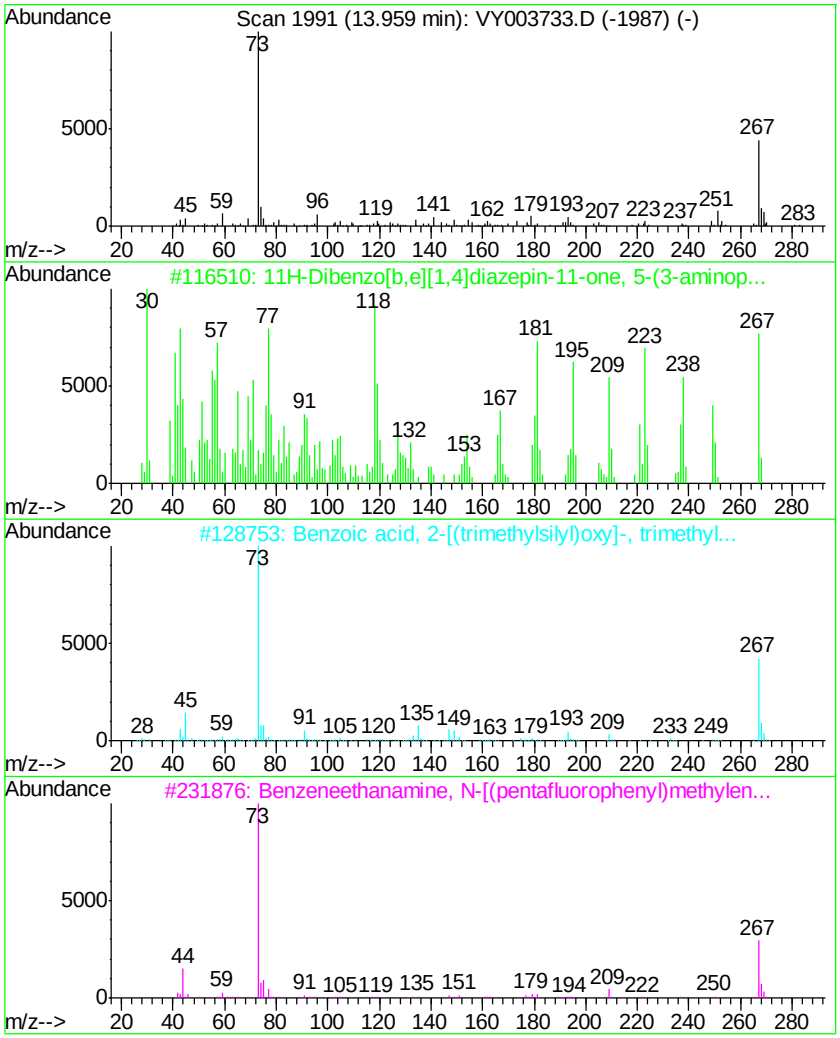
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

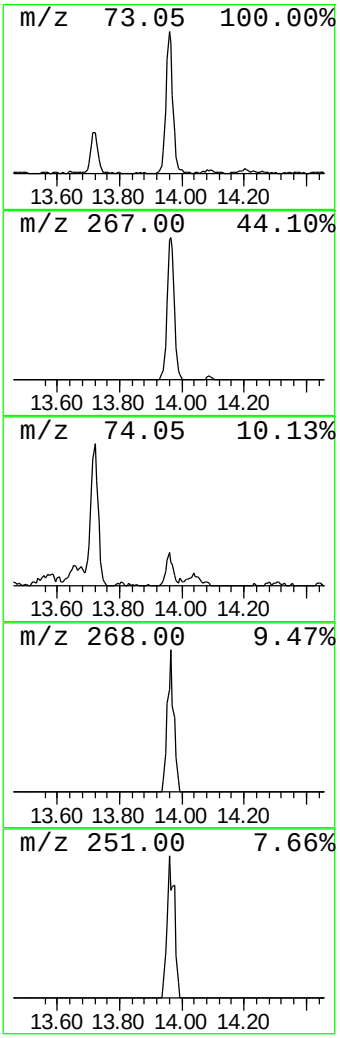
**********

Peak Number 12 unknown-02 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.96 | 1.58 ug/L | 61100 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Dibenzo[b,e][1,4]diazepin-11... | 267 | C16H17N3O | 013450-73-2 | 38 |
| 2 | Benzoic acid, 2-[(trimethylsilyl... | 282 | C13H22O3Si2 | 003789-85-3 | 33 |
| 3 | Benzeneethanamine, N-[(pentafluo... | 475 | C21H26F5NO2Si2 | 055429-85-1 | 33 |
| 4 | Trimethylsilyloxyethane, 2-(3-tr... | 282 | C14H26O2Si2 | 1000365-49-0 | 23 |
| 5 | Silane, (2-ethyl-3,3-dimethyl-4-... | 208 | C13H24Si | 095798-13-3 | 10 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

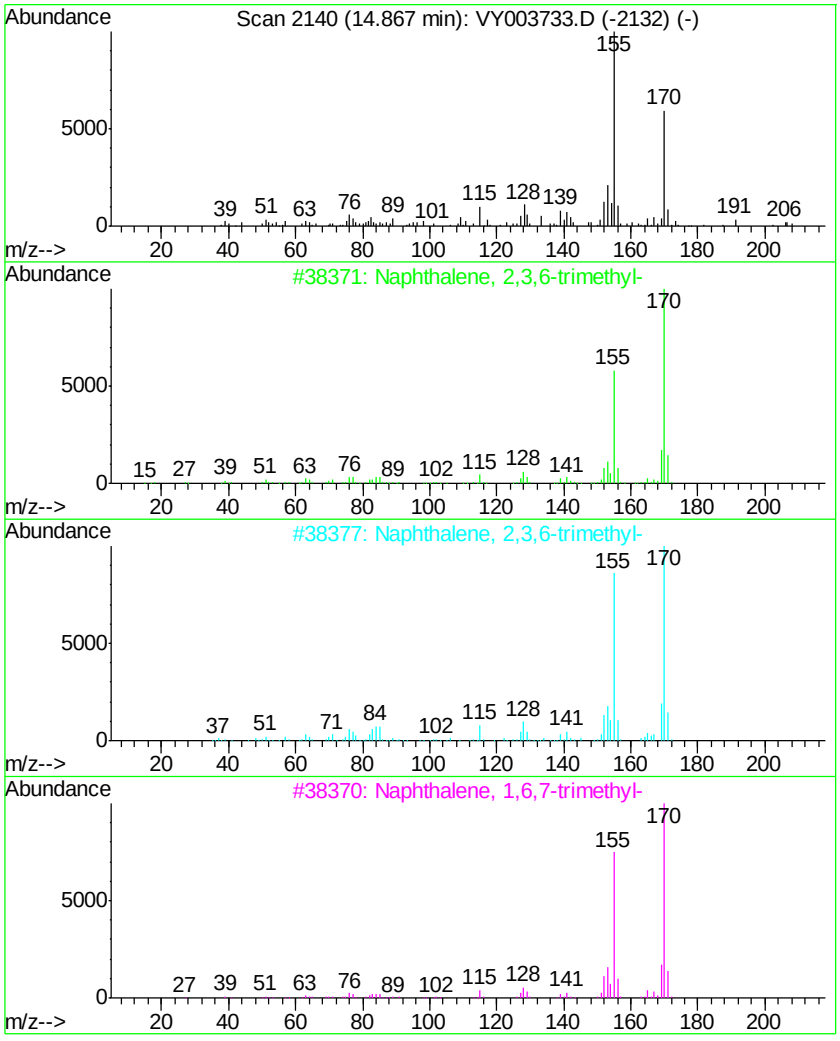
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

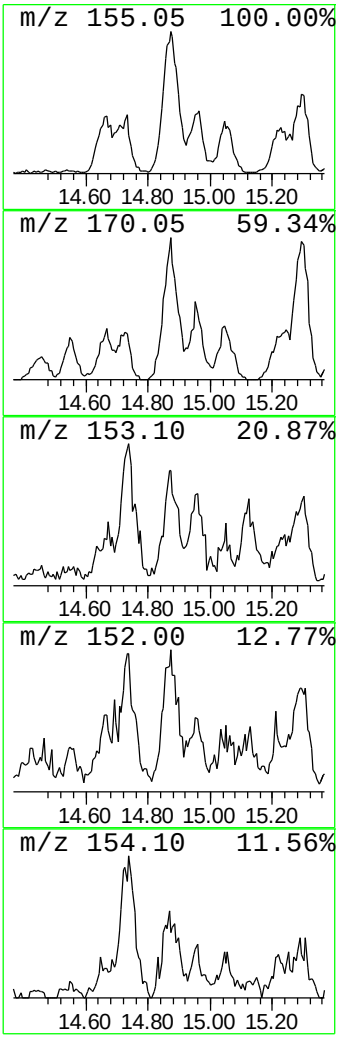
**********

Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.87 | 2.55 ug/L | 98814 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 94 |
| 2 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 94 |
| 3 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 94 |
| 4 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 93 |
| 5 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 93 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

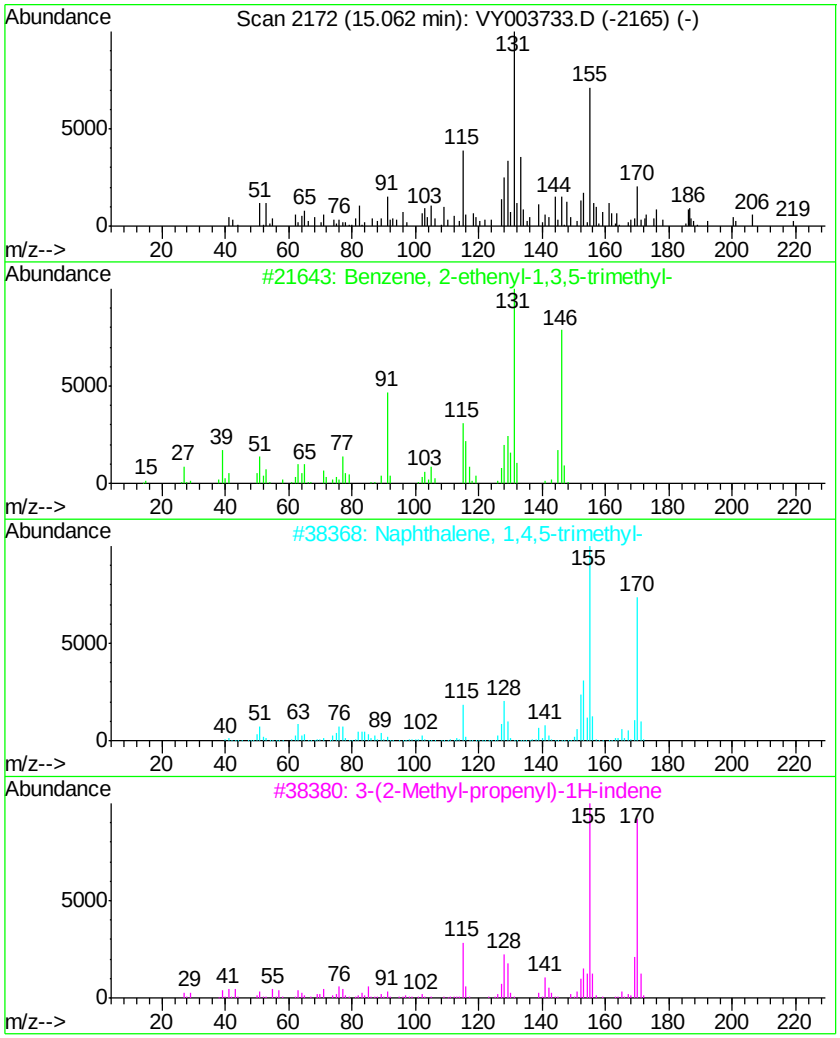
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

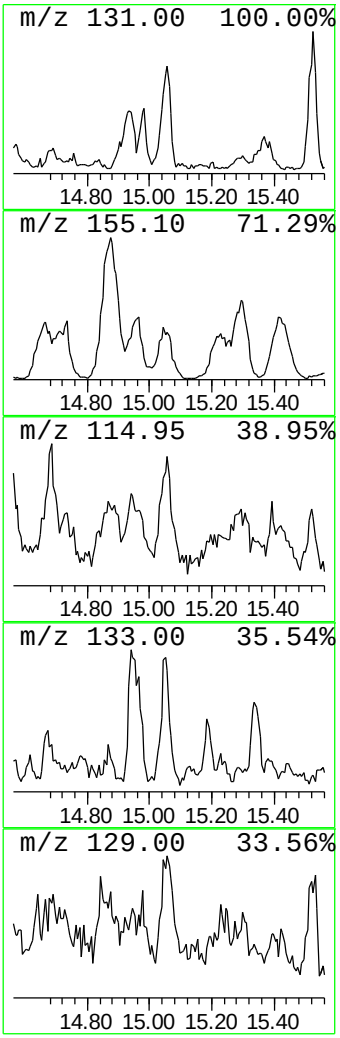
**********

Peak Number 14 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.06 | 1.41 ug/L | 54658 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 53 |
| 2 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 46 |
| 3 | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14 | 1000187-78-5 | 41 |
| 4 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 35 |
| 5 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 35 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

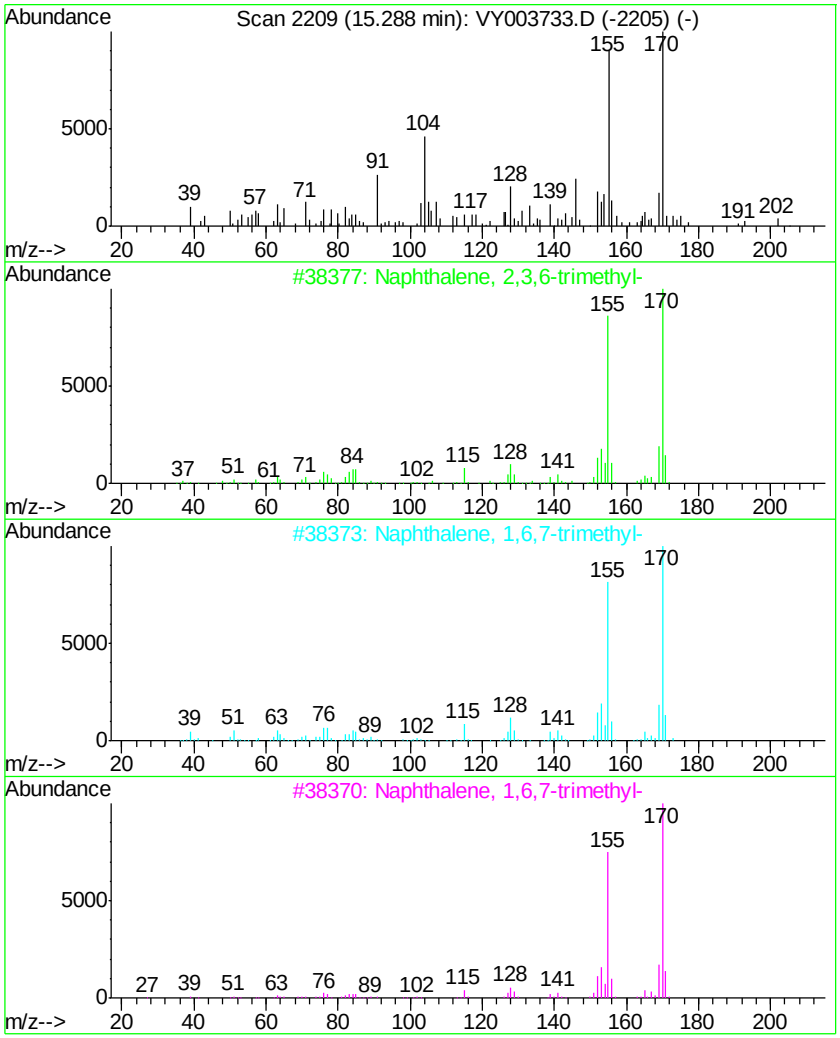
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

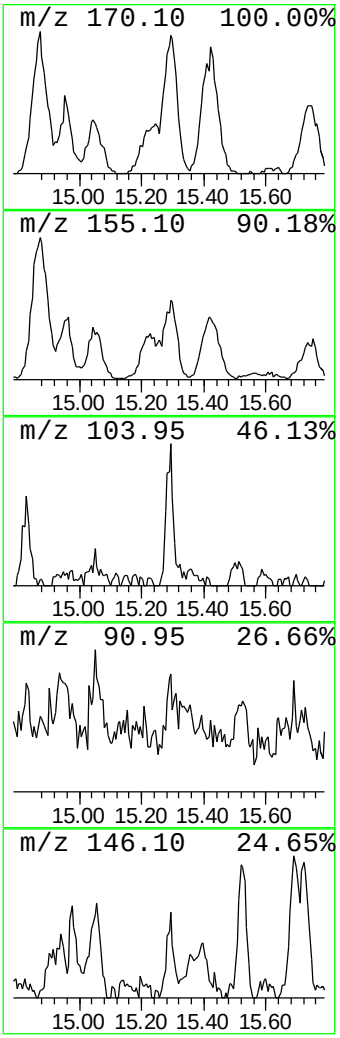
**********

Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.29 | 2.12 ug/L | 82292 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 55 |
| 2 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 55 |
| 3 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 55 |
| 4 | 4,6,8-Trimethylazulene | 170 | C13H14 | 000941-81-1 | 53 |
| 5 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 52 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

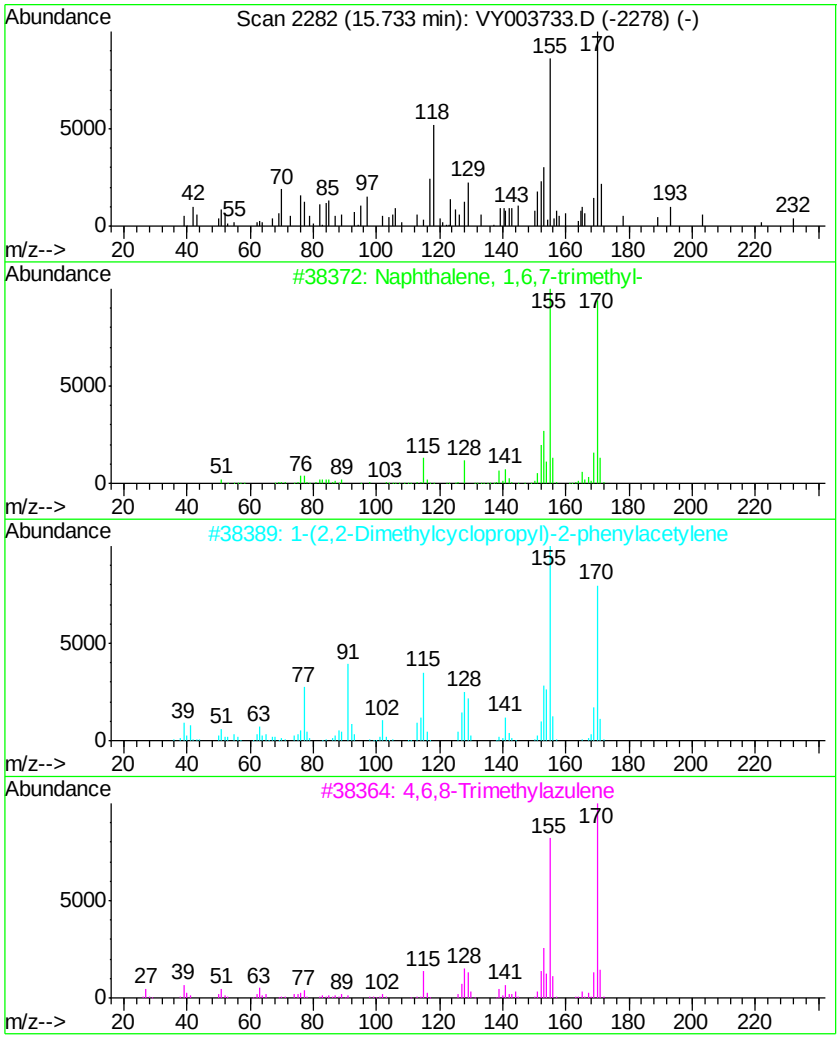
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

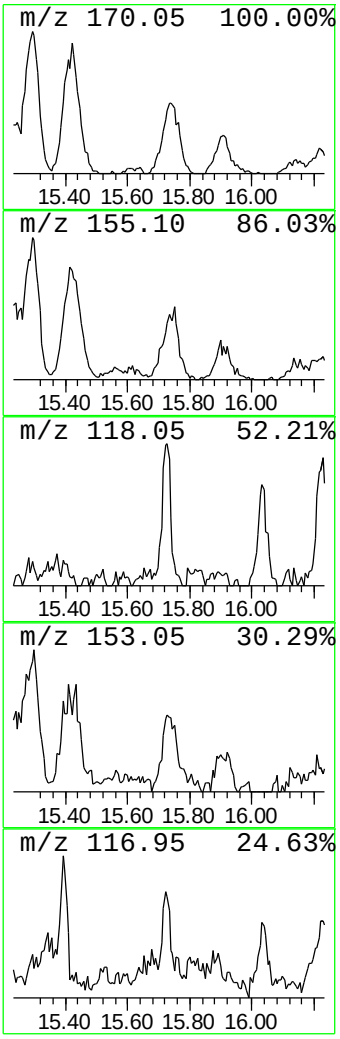
**********

Peak Number 16 unknown-03 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.73 | 1.27 ug/L | 49141 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 46 |
| 2 | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14 | 1000294-91-1 | 46 |
| 3 | 4,6,8-Trimethylazulene | 170 | C13H14 | 000941-81-1 | 46 |
| 4 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 43 |
| 5 | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14 | 1000187-78-5 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

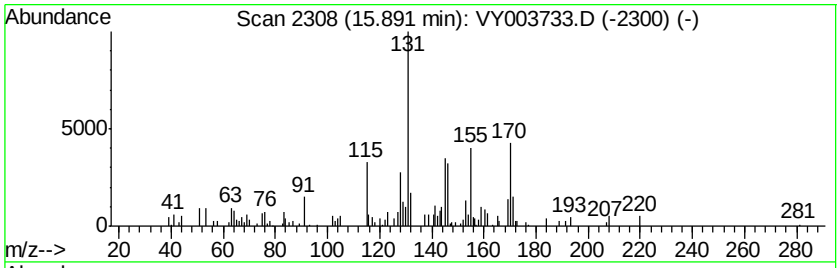
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

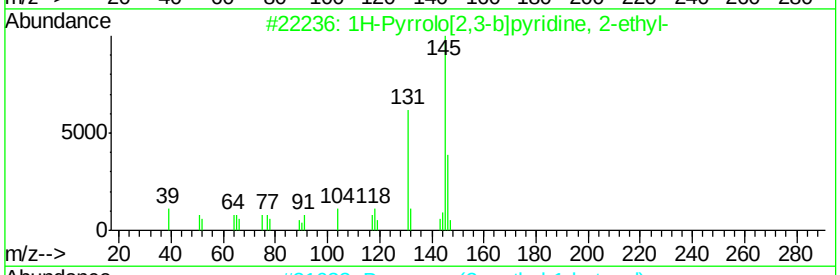
**********

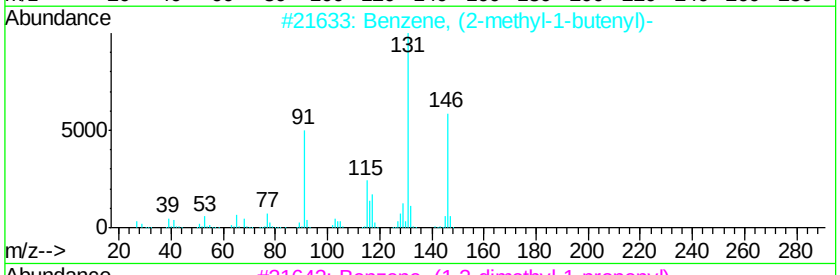
Peak Number 17 unknown-04 Concentration Rank 12

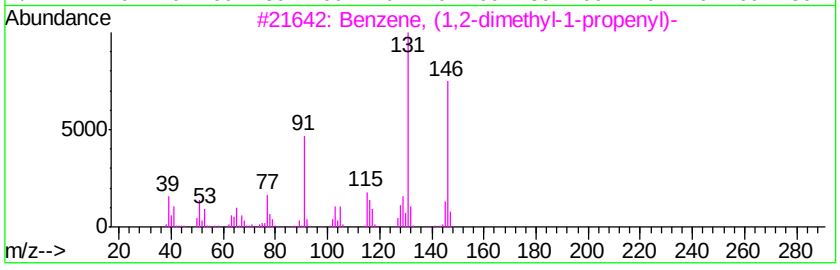
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.89 | 2.18 ug/L | 84321 | 1,4-Dichlorobenzene-d4 | 13.42 |

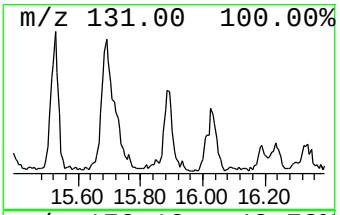
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Pyrrolo[2,3-b]pyridine, 2-ethyl- | 146 | C9H10N2 | 023612-49-9 | 49 |
| 2 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 42 |
| 3 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 35 |
| 4 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 35 |
| 5 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 30 |

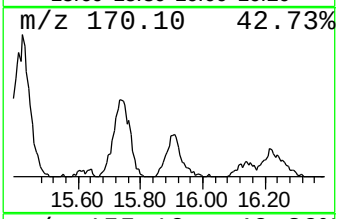


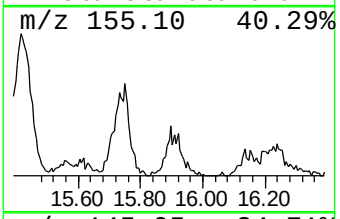



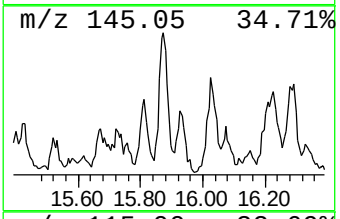



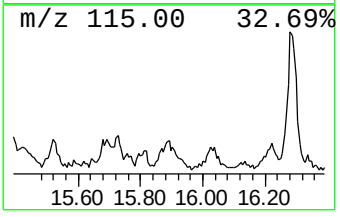



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

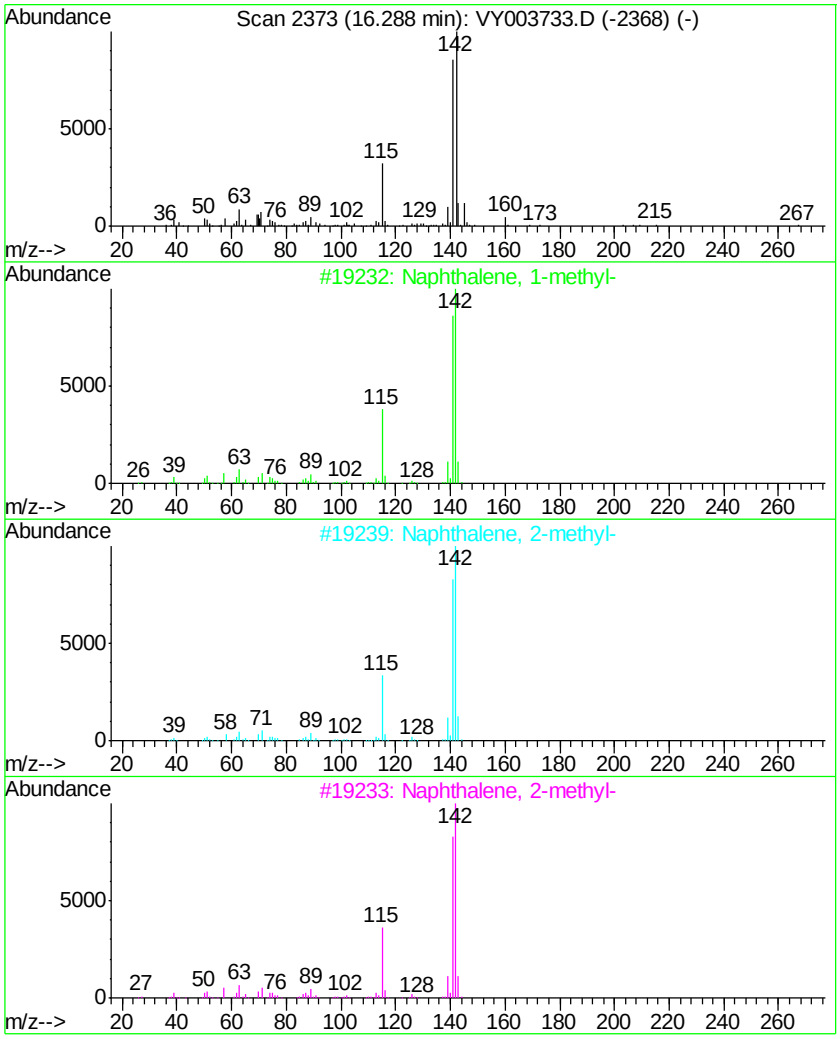
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

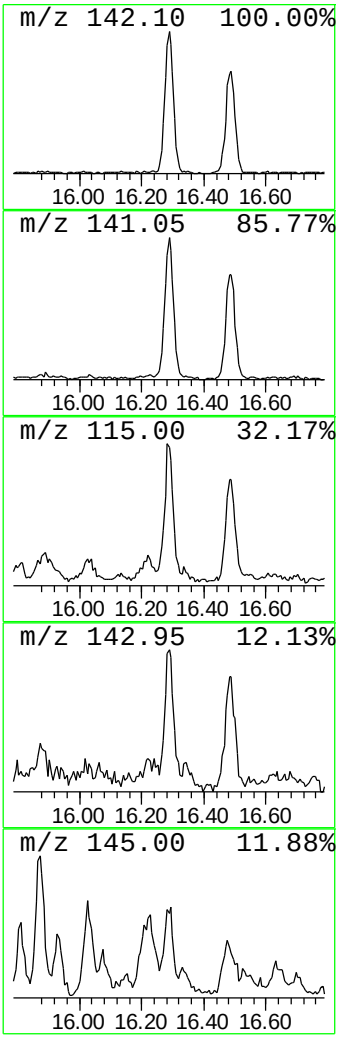
**********

Peak Number 18 Naphthalene, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.29 | 2.01 ug/L | 77773 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 95 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 95 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 95 |
| 4 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 93 |
| 5 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 93 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

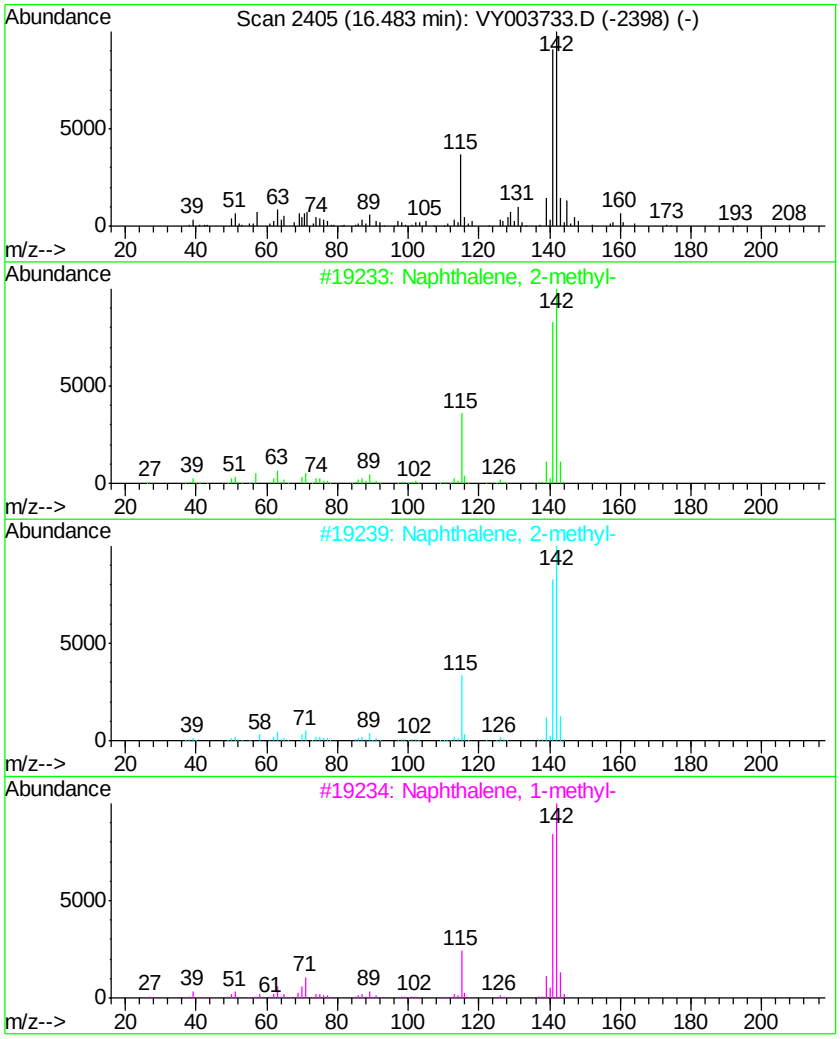
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

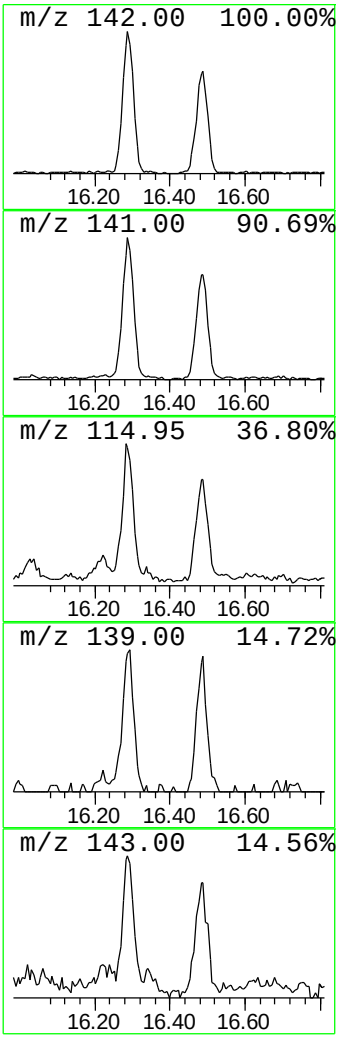
**********

Peak Number 19 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.48 | 2.26 ug/L | 87613 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 94 |
| 3 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 91 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 89 |
| 5 | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10 | 002443-46-1 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003733.D
Acq On : 11 Dec 2020 17:35
Operator : SY/MD
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VIBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.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 |
| Naphthalene, 1-et... | 11.87 | 2.0 | ug/L | 72729 | 2 | 11.49 | 908517 | 25.0 |
| Naphthalene, 1,5-... | 12.42 | 14.1 | ug/L | 510689 | 2 | 11.49 | 908517 | 25.0 |
| Naphthalene, 2,3-... | 12.96 | 29.6 | ug/L | 1147080 | 3 | 13.42 | 969127 | 25.0 |
| Naphthalene, 2,7-... | 13.10 | 12.6 | ug/L | 486685 | 3 | 13.42 | 969127 | 25.0 |
| unknown-02 | 13.96 | 1.6 | ug/L | 61100 | 3 | 13.42 | 969127 | 25.0 |
| Naphthalene, 2,3,... | 14.87 | 2.5 | ug/L | 98814 | 3 | 13.42 | 969127 | 25.0 |
| Benzene, 2-etheny... | 15.06 | 1.4 | ug/L | 54658 | 3 | 13.42 | 969127 | 25.0 |
| Naphthalene, 1,6,... | 15.29 | 2.1 | ug/L | 82292 | 3 | 13.42 | 969127 | 25.0 |
| unknown-03 | 15.73 | 1.3 | ug/L | 49141 | 3 | 13.42 | 969127 | 25.0 |
| unknown-04 | 15.89 | 2.2 | ug/L | 84321 | 3 | 13.42 | 969127 | 25.0 |
| Naphthalene, 1-me... | 16.29 | 2.0 | ug/L | 77773 | 3 | 13.42 | 969127 | 25.0 |
| Bicyclo[4.4.1]und... | 16.48 | 2.3 | ug/L | 87613 | 3 | 13.42 | 969127 | 25.0 |