LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
Data File : VU037932.D
Acq On : 29 Apr 2020 23:48
Operator : JC/MD
Sample : L2410-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBEF5

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\SOMULM042320WMA.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 | 1.369 | 5 | 9 | 15 | rBV2 | 12781 | 12474 | 0.08% | 0.028% |
| 2 | 1.491 | 40 | 47 | 64 | rBV2 | 16687 | 36773 | 0.25% | 0.084% |
| 3 | 1.610 | 77 | 84 | 94 | rBV | 370610 | 408731 | 2.75% | 0.932% |
| 4 | 1.928 | 175 | 183 | 197 | rVB | 299541 | 381866 | 2.57% | 0.870% |
| 5 | 2.591 | 377 | 389 | 404 | rBV | 496674 | 817823 | 5.50% | 1.864% |
| 6 | 2.652 | 404 | 408 | 419 | rVV2 | 8851 | 11941 | 0.08% | 0.027% |
| 7 | 2.706 | 419 | 425 | 437 | rVB7 | 4823 | 9102 | 0.06% | 0.021% |
| 8 | 2.780 | 443 | 448 | 449 | rBV3 | 1858 | 1555 | 0.01% | 0.004% |
| 9 | 2.922 | 489 | 492 | 496 | rBV3 | 784 | 560 | 0.00% | 0.001% |
| 10 | 3.041 | 526 | 529 | 532 | rVB3 | 720 | 414 | 0.00% | 0.001% |
| 11 | 3.073 | 532 | 539 | 549 | rBV6 | 2849 | 4781 | 0.03% | 0.011% |
| 12 | 3.218 | 567 | 584 | 599 | rVB3 | 9917 | 21425 | 0.14% | 0.049% |
| 13 | 3.292 | 604 | 607 | 610 | rBV2 | 612 | 536 | 0.00% | 0.001% |
| 14 | 3.391 | 626 | 638 | 650 | rVB2 | 6552 | 13249 | 0.09% | 0.030% |
| 15 | 3.565 | 687 | 692 | 696 | rBV5 | 602 | 688 | 0.00% | 0.002% |
| 16 | 3.607 | 700 | 705 | 707 | rVB2 | 515 | 423 | 0.00% | 0.001% |
| 17 | 3.652 | 716 | 719 | 723 | rVB2 | 516 | 421 | 0.00% | 0.001% |
| 18 | 3.758 | 749 | 752 | 757 | rVB4 | 508 | 418 | 0.00% | 0.001% |
| 19 | 3.809 | 761 | 768 | 770 | rBV4 | 345 | 393 | 0.00% | 0.001% |
| 20 | 3.893 | 786 | 794 | 798 | rBV4 | 837 | 904 | 0.01% | 0.002% |
| 21 | 3.967 | 813 | 817 | 819 | rBV3 | 517 | 460 | 0.00% | 0.001% |
| 22 | 4.295 | 911 | 919 | 922 | rBV2 | 579 | 543 | 0.00% | 0.001% |
| 23 | 4.446 | 962 | 966 | 972 | rBV | 578 | 538 | 0.00% | 0.001% |
| 24 | 4.488 | 972 | 979 | 982 | rBV5 | 598 | 683 | 0.00% | 0.002% |
| 25 | 4.706 | 1018 | 1047 | 1074 | rBV | 6497279 | 14880646 | 100.00% | 33.919% |
| 26 | 5.102 | 1155 | 1170 | 1190 | rVB | 436918 | 966540 | 6.50% | 2.203% |
| 27 | 5.417 | 1266 | 1268 | 1275 | rVB6 | 1244 | 979 | 0.01% | 0.002% |
| 28 | 5.452 | 1275 | 1279 | 1284 | rBV4 | 484 | 630 | 0.00% | 0.001% |
| 29 | 5.626 | 1326 | 1333 | 1335 | rVV4 | 534 | 599 | 0.00% | 0.001% |
| 30 | 5.758 | 1351 | 1374 | 1404 | rBV2 | 958585 | 2573387 | 17.29% | 5.866% |
| 31 | 6.012 | 1448 | 1453 | 1458 | rVB8 | 865 | 1001 | 0.01% | 0.002% |
| 32 | 6.224 | 1515 | 1519 | 1521 | rBV3 | 704 | 506 | 0.00% | 0.001% |
| 33 | 6.279 | 1522 | 1536 | 1567 | rVV | 758666 | 1460211 | 9.81% | 3.328% |
| 34 | 6.465 | 1592 | 1594 | 1601 | rVB6 | 652 | 514 | 0.00% | 0.001% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
Data File : VU037932.D
Acq On : 29 Apr 2020 23:48
Operator : JC/MD
Sample : L2410-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBEF5

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\SOMULM042320WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.571 | 1611 | 1627 | 1659 | rBV | 2557268 | 4732793 | 31.81% | 10.788% |
| 36 | 6.722 | 1659 | 1674 | 1694 | rVV | 616700 | 1198908 | 8.06% | 2.733% |
| 37 | 7.208 | 1815 | 1825 | 1834 | rVV6 | 1989 | 3546 | 0.02% | 0.008% |
| 38 | 7.333 | 1860 | 1864 | 1869 | rVB3 | 581 | 448 | 0.00% | 0.001% |
| 39 | 7.591 | 1931 | 1944 | 1961 | rBV | 289690 | 498262 | 3.35% | 1.136% |
| 40 | 7.668 | 1965 | 1968 | 1971 | rVB3 | 759 | 408 | 0.00% | 0.001% |
| 41 | 7.716 | 1971 | 1983 | 1993 | rVB6 | 1909 | 3775 | 0.03% | 0.009% |
| 42 | 7.755 | 1993 | 1995 | 2003 | rBV4 | 651 | 753 | 0.01% | 0.002% |
| 43 | 7.867 | 2024 | 2030 | 2033 | rBV4 | 799 | 825 | 0.01% | 0.002% |
| 44 | 7.922 | 2033 | 2047 | 2080 | rBV | 1114608 | 2017775 | 13.56% | 4.599% |
| 45 | 8.201 | 2119 | 2134 | 2152 | rBV | 203889 | 337189 | 2.27% | 0.769% |
| 46 | 8.491 | 2213 | 2224 | 2232 | rBV3 | 3352 | 5485 | 0.04% | 0.013% |
| 47 | 8.574 | 2235 | 2250 | 2265 | rBV | 3004294 | 5050511 | 33.94% | 11.512% |
| 48 | 8.655 | 2265 | 2275 | 2310 | rVB2 | 822933 | 1601450 | 10.76% | 3.650% |
| 49 | 8.883 | 2342 | 2346 | 2348 | rVB2 | 619 | 433 | 0.00% | 0.001% |
| 50 | 8.938 | 2356 | 2363 | 2366 | rBV5 | 751 | 962 | 0.01% | 0.002% |
| 51 | 9.037 | 2391 | 2394 | 2399 | rVB3 | 498 | 357 | 0.00% | 0.001% |
| 52 | 9.230 | 2448 | 2454 | 2455 | rBV2 | 636 | 597 | 0.00% | 0.001% |
| 53 | 9.436 | 2504 | 2518 | 2541 | rBV | 1077628 | 1821443 | 12.24% | 4.152% |
| 54 | 9.590 | 2562 | 2566 | 2568 | rBV2 | 1331 | 1178 | 0.01% | 0.003% |
| 55 | 9.639 | 2579 | 2581 | 2587 | rVB5 | 653 | 557 | 0.00% | 0.001% |
| 56 | 9.668 | 2587 | 2590 | 2592 | rBV3 | 554 | 366 | 0.00% | 0.001% |
| 57 | 9.680 | 2592 | 2594 | 2596 | rVV3 | 853 | 542 | 0.00% | 0.001% |
| 58 | 9.706 | 2596 | 2602 | 2612 | rVB3 | 2387 | 4460 | 0.03% | 0.010% |
| 59 | 9.777 | 2621 | 2624 | 2628 | rBV2 | 784 | 694 | 0.00% | 0.002% |
| 60 | 10.053 | 2708 | 2710 | 2717 | rVB5 | 1057 | 822 | 0.01% | 0.002% |
| 61 | 10.086 | 2718 | 2720 | 2723 | rVV2 | 483 | 364 | 0.00% | 0.001% |
| 62 | 10.131 | 2726 | 2734 | 2747 | rVB7 | 4991 | 9899 | 0.07% | 0.023% |
| 63 | 10.291 | 2779 | 2784 | 2791 | rVB4 | 1160 | 1053 | 0.01% | 0.002% |
| 64 | 10.362 | 2803 | 2806 | 2813 | rVB7 | 956 | 1059 | 0.01% | 0.002% |
| 65 | 10.452 | 2831 | 2834 | 2837 | rBV | 790 | 560 | 0.00% | 0.001% |
| 66 | 10.494 | 2844 | 2847 | 2853 | rBV4 | 843 | 735 | 0.00% | 0.002% |
| 67 | 10.770 | 2920 | 2933 | 2953 | rVV | 806293 | 1295897 | 8.71% | 2.954% |
| 68 | 10.896 | 2967 | 2972 | 2977 | rBV4 | 2326 | 2944 | 0.02% | 0.007% |
| 69 | 11.050 | 3017 | 3020 | 3021 | rBV2 | 871 | 459 | 0.00% | 0.001% |
| 70 | 11.095 | 3031 | 3034 | 3038 | rBV | 700 | 641 | 0.00% | 0.001% |
| 71 | 11.182 | 3058 | 3061 | 3069 | rVB2 | 685 | 958 | 0.01% | 0.002% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
Data File : VU037932.D
Acq On : 29 Apr 2020 23:48
Operator : JC/MD
Sample : L2410-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBEF5

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\SOMULM042320WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 11.282 | 3089 | 3092 | 3095 | rVV2 | 583 | 377 | 0.00% | 0.001% |
| 73 | 11.327 | 3104 | 3106 | 3112 | rVB3 | 1029 | 786 | 0.01% | 0.002% |
| 74 | 11.394 | 3124 | 3127 | 3131 | rVV2 | 918 | 693 | 0.00% | 0.002% |
| 75 | 11.487 | 3148 | 3156 | 3163 | rBV3 | 2021 | 2723 | 0.02% | 0.006% |
| 76 | 11.574 | 3180 | 3183 | 3185 | rBV | 556 | 392 | 0.00% | 0.001% |
| 77 | 11.825 | 3247 | 3261 | 3278 | rBV | 1093147 | 1696855 | 11.40% | 3.868% |
| 78 | 11.889 | 3279 | 3281 | 3285 | rVB2 | 789 | 475 | 0.00% | 0.001% |
| 79 | 12.050 | 3328 | 3331 | 3332 | rBV2 | 800 | 456 | 0.00% | 0.001% |
| 80 | 12.079 | 3332 | 3340 | 3349 | rVV4 | 8893 | 14856 | 0.10% | 0.034% |
| 81 | 12.204 | 3366 | 3379 | 3397 | rBV | 1081910 | 1758362 | 11.82% | 4.008% |
| 82 | 12.327 | 3414 | 3417 | 3420 | rBV2 | 581 | 369 | 0.00% | 0.001% |
| 83 | 12.574 | 3490 | 3494 | 3499 | rVB2 | 661 | 535 | 0.00% | 0.001% |
| 84 | 12.796 | 3556 | 3563 | 3568 | rVV4 | 2156 | 2381 | 0.02% | 0.005% |
| 85 | 13.237 | 3697 | 3700 | 3705 | rVB3 | 882 | 585 | 0.00% | 0.001% |
| 86 | 13.410 | 3751 | 3754 | 3758 | rBV2 | 540 | 455 | 0.00% | 0.001% |
| 87 | 13.565 | 3799 | 3802 | 3805 | rBV2 | 696 | 431 | 0.00% | 0.001% |
| 88 | 13.764 | 3860 | 3864 | 3867 | rBV2 | 541 | 431 | 0.00% | 0.001% |
| 89 | 13.790 | 3869 | 3872 | 3874 | rVV2 | 561 | 418 | 0.00% | 0.001% |
| 90 | 13.812 | 3877 | 3879 | 3884 | rVB2 | 992 | 600 | 0.00% | 0.001% |
| 91 | 14.118 | 3966 | 3974 | 3980 | rVB5 | 2250 | 3745 | 0.03% | 0.009% |
| 92 | 14.192 | 3995 | 3997 | 4000 | rBV | 958 | 605 | 0.00% | 0.001% |
| 93 | 14.590 | 4119 | 4121 | 4124 | rBV3 | 625 | 372 | 0.00% | 0.001% |
| 94 | 14.693 | 4151 | 4153 | 4156 | rBV3 | 680 | 453 | 0.00% | 0.001% |
| 95 | 14.806 | 4186 | 4188 | 4190 | rBV2 | 833 | 467 | 0.00% | 0.001% |
| 96 | 14.844 | 4197 | 4200 | 4208 | rVB5 | 2755 | 2452 | 0.02% | 0.006% |
| 97 | 14.899 | 4214 | 4217 | 4221 | rBV4 | 1108 | 945 | 0.01% | 0.002% |
| 98 | 15.146 | 4292 | 4294 | 4298 | rBV2 | 796 | 712 | 0.00% | 0.002% |
| 99 | 15.259 | 4319 | 4329 | 4343 | rVB | 61652 | 97443 | 0.65% | 0.222% |
| 100 | 15.446 | 4379 | 4387 | 4401 | rVB2 | 43099 | 70750 | 0.48% | 0.161% |

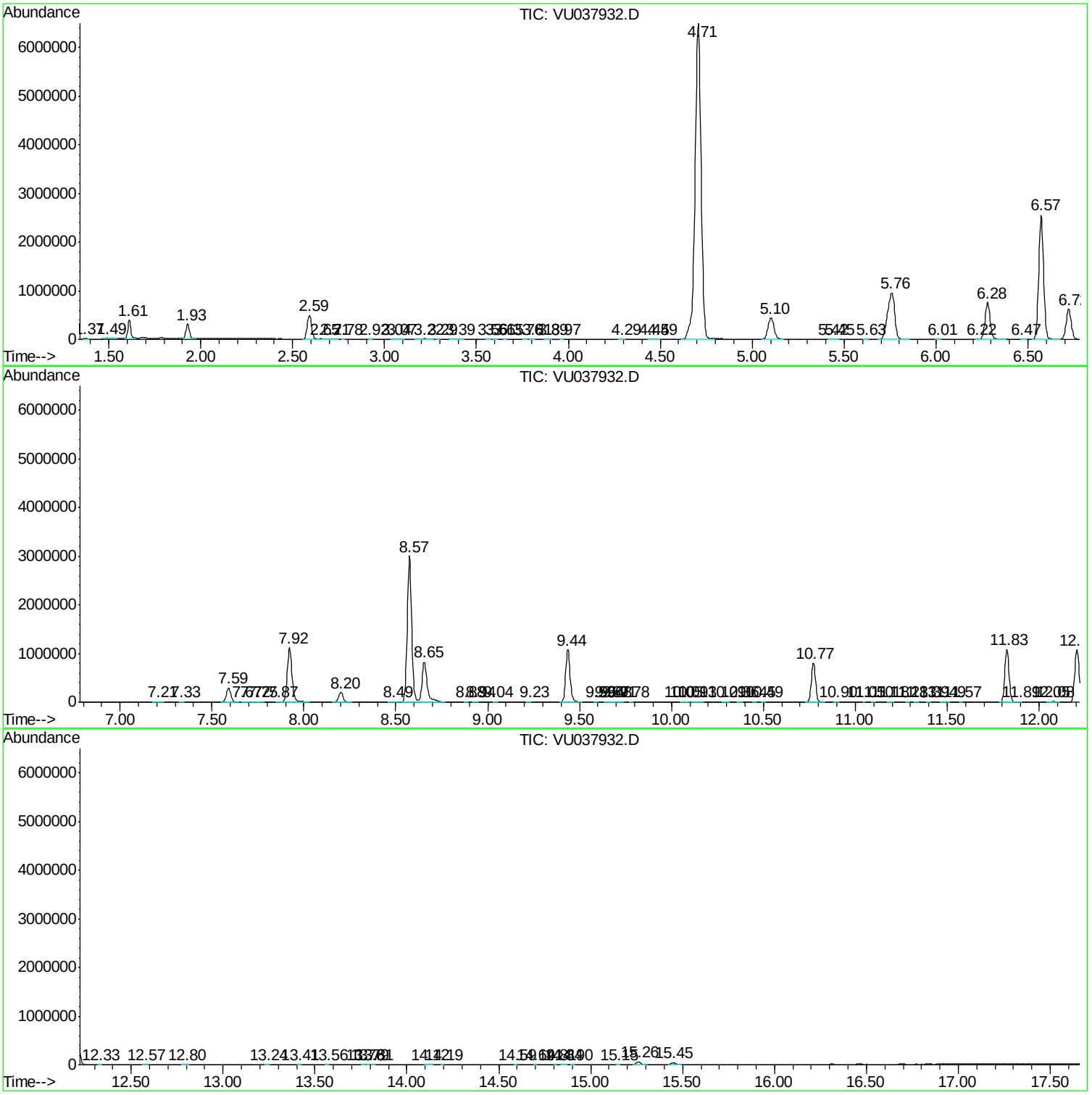
Sum of corrected areas: 43870946

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042920\
Data File : VU037932.D
Acq On : 29 Apr 2020 23:48
Operator : JC/MD
Sample : L2410-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBEF5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042920\
Data File : VU037932.D
Acq On : 29 Apr 2020 23:48
Operator : JC/MD
Sample : L2410-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBEF5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

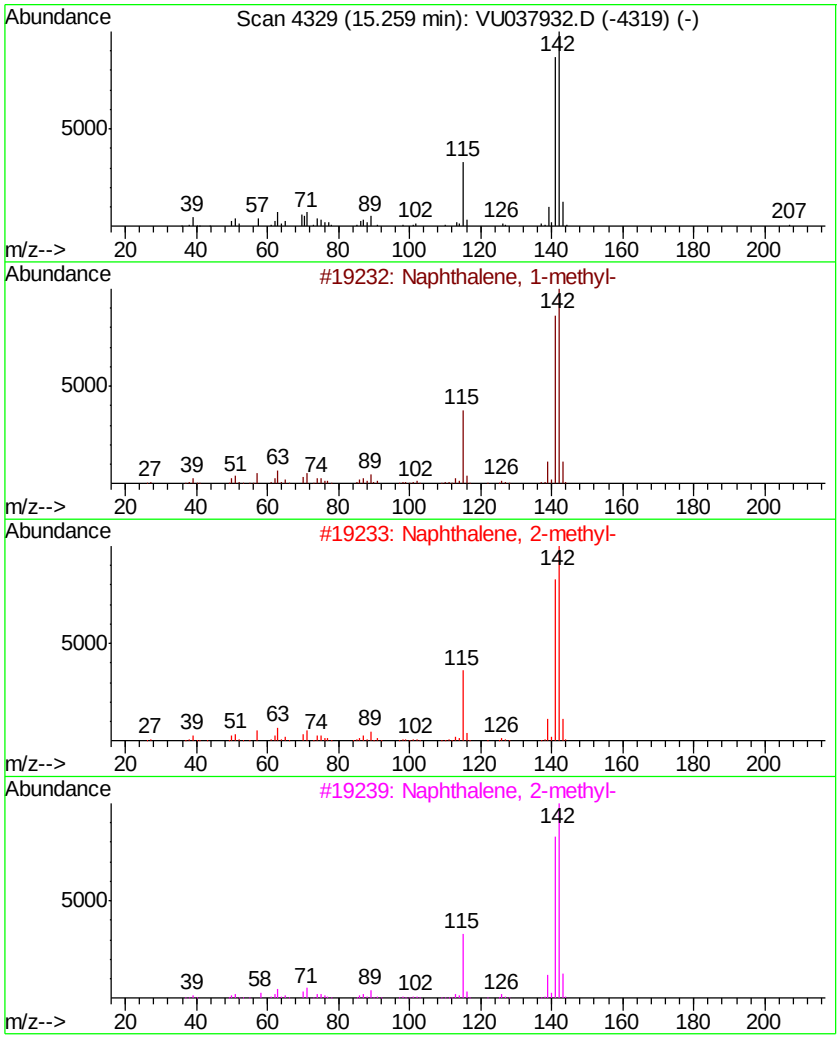
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

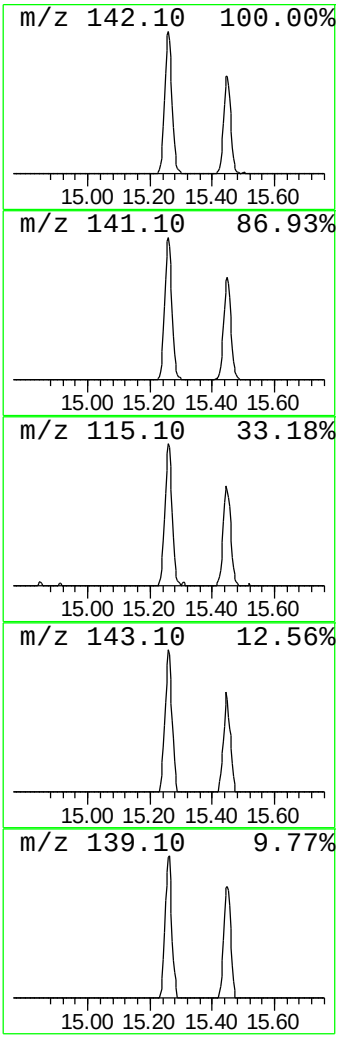
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.26 | 2.87 ug/L | 97443 | 1,4-Dichlorobenzene-d4 | 11.83 |

| 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 | 95 |
| 4 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 95 |
| 5 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042920\
Data File : VU037932.D
Acq On : 29 Apr 2020 23:48
Operator : JC/MD
Sample : L2410-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBEF5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.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-me... | 15.26 | 2.9 | ug/L | 97443 | 3 | 11.83 | 1696860 | 50.0 |