LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82U100118W.M
Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.302 | 25 | 40 | 47 | rBV | 43463 | 113938 | 5.31% | 0.498% |
| 2 | 2.325 | 346 | 358 | 371 | rBV | 42643 | 68917 | 3.21% | 0.301% |
| 3 | 2.447 | 385 | 396 | 417 | rBV2 | 53339 | 106116 | 4.95% | 0.464% |
| 4 | 4.887 | 1138 | 1155 | 1171 | rBV | 105795 | 241201 | 11.24% | 1.055% |
| 5 | 4.987 | 1172 | 1186 | 1217 | rVB | 143683 | 322377 | 15.03% | 1.410% |
| 6 | 5.312 | 1271 | 1287 | 1312 | rBV | 132157 | 285954 | 13.33% | 1.251% |
| 7 | 5.890 | 1452 | 1467 | 1493 | rBV | 226283 | 462324 | 21.55% | 2.022% |
| 8 | 7.565 | 1966 | 1988 | 2021 | rBV | 429153 | 796518 | 37.13% | 3.484% |
| 9 | 7.919 | 2086 | 2098 | 2116 | rBV3 | 14217 | 26417 | 1.23% | 0.116% |
| 10 | 8.183 | 2166 | 2180 | 2187 | rBV3 | 13690 | 29704 | 1.38% | 0.130% |
| 11 | 8.607 | 2299 | 2312 | 2322 | rBV2 | 52311 | 98752 | 4.60% | 0.432% |
| 12 | 8.848 | 2380 | 2387 | 2399 | rVV4 | 30953 | 65032 | 3.03% | 0.284% |
| 13 | 9.032 | 2434 | 2444 | 2452 | rBV | 24297 | 42705 | 1.99% | 0.187% |
| 14 | 9.090 | 2452 | 2462 | 2479 | rVV | 334934 | 571623 | 26.65% | 2.500% |
| 15 | 9.189 | 2487 | 2493 | 2501 | rVB2 | 16274 | 25843 | 1.20% | 0.113% |
| 16 | 9.247 | 2501 | 2511 | 2525 | rVB6 | 24410 | 47804 | 2.23% | 0.209% |
| 17 | 9.356 | 2525 | 2545 | 2550 | rBV6 | 36320 | 82985 | 3.87% | 0.363% |
| 18 | 9.405 | 2553 | 2560 | 2567 | rVV4 | 69958 | 128800 | 6.00% | 0.563% |
| 19 | 9.446 | 2568 | 2573 | 2600 | rVB2 | 37263 | 83818 | 3.91% | 0.367% |
| 20 | 9.569 | 2600 | 2611 | 2623 | rBV5 | 28648 | 53869 | 2.51% | 0.236% |
| 21 | 9.723 | 2643 | 2659 | 2671 | rBV6 | 92496 | 238227 | 11.10% | 1.042% |
| 22 | 9.954 | 2711 | 2731 | 2741 | rBV3 | 172590 | 356569 | 16.62% | 1.560% |
| 23 | 10.048 | 2751 | 2760 | 2768 | rBV5 | 96508 | 180631 | 8.42% | 0.790% |
| 24 | 10.167 | 2787 | 2797 | 2806 | rVB | 88172 | 140029 | 6.53% | 0.612% |
| 25 | 10.225 | 2806 | 2815 | 2820 | rBV6 | 35022 | 62863 | 2.93% | 0.275% |
| 26 | 10.308 | 2832 | 2841 | 2855 | rVB2 | 356579 | 618087 | 28.81% | 2.703% |
| 27 | 10.379 | 2855 | 2863 | 2871 | rVB3 | 51095 | 76794 | 3.58% | 0.336% |
| 28 | 10.491 | 2889 | 2898 | 2918 | rVB5 | 173426 | 326334 | 15.21% | 1.427% |
| 29 | 10.588 | 2919 | 2928 | 2936 | rBV | 158119 | 251265 | 11.71% | 1.099% |
| 30 | 10.700 | 2955 | 2963 | 2972 | rBV4 | 55964 | 92945 | 4.33% | 0.407% |
| 31 | 10.771 | 2972 | 2985 | 2994 | rBV2 | 332023 | 611021 | 28.48% | 2.672% |
| 32 | 10.864 | 3009 | 3014 | 3023 | rVB3 | 35306 | 52957 | 2.47% | 0.232% |
| 33 | 10.977 | 3040 | 3049 | 3057 | rBV5 | 65490 | 137835 | 6.43% | 0.603% |
| 34 | 11.115 | 3071 | 3092 | 3094 | rBV2 | 166508 | 311581 | 14.52% | 1.363% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82U100118W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.147 | 3094 | 3102 | 3115 | rVB | 1113506 | 1761966 | 82.13% | 7.707% |
| 36 | 11.292 | 3128 | 3147 | 3151 | rBV3 | 99062 | 224520 | 10.47% | 0.982% |
| 37 | 11.324 | 3151 | 3157 | 3171 | rVV | 185336 | 353262 | 16.47% | 1.545% |
| 38 | 11.401 | 3172 | 3181 | 3182 | rVV2 | 88109 | 104786 | 4.88% | 0.458% |
| 39 | 11.427 | 3183 | 3189 | 3197 | rVV | 302957 | 462254 | 21.55% | 2.022% |
| 40 | 11.482 | 3197 | 3206 | 3217 | rVB2 | 535239 | 843000 | 39.30% | 3.687% |
| 41 | 11.572 | 3224 | 3234 | 3257 | rVB | 1380622 | 2145255 | 100.00% | 9.383% |
| 42 | 11.688 | 3258 | 3270 | 3283 | rVB | 105512 | 210957 | 9.83% | 0.923% |
| 43 | 11.781 | 3285 | 3299 | 3303 | rBV3 | 406190 | 736541 | 34.33% | 3.221% |
| 44 | 11.810 | 3304 | 3308 | 3316 | rVV | 464171 | 624253 | 29.10% | 2.730% |
| 45 | 11.868 | 3316 | 3326 | 3344 | rVB6 | 478086 | 1165952 | 54.35% | 5.100% |
| 46 | 11.980 | 3351 | 3361 | 3381 | rBV2 | 172343 | 320029 | 14.92% | 1.400% |
| 47 | 12.147 | 3403 | 3413 | 3417 | rBV | 297297 | 439022 | 20.46% | 1.920% |
| 48 | 12.176 | 3417 | 3422 | 3432 | rVV | 356809 | 527428 | 24.59% | 2.307% |
| 49 | 12.250 | 3434 | 3445 | 3453 | rVV | 613460 | 955401 | 44.54% | 4.179% |
| 50 | 12.286 | 3453 | 3456 | 3468 | rVB3 | 145778 | 200526 | 9.35% | 0.877% |
| 51 | 12.356 | 3468 | 3478 | 3500 | rBV6 | 273207 | 988597 | 46.08% | 4.324% |
| 52 | 12.495 | 3511 | 3521 | 3528 | rBV5 | 96874 | 169223 | 7.89% | 0.740% |
| 53 | 12.549 | 3529 | 3538 | 3549 | rVB3 | 303565 | 541791 | 25.26% | 2.370% |
| 54 | 12.620 | 3550 | 3560 | 3562 | rBV4 | 79840 | 108337 | 5.05% | 0.474% |
| 55 | 12.649 | 3562 | 3569 | 3577 | rVV | 281360 | 417213 | 19.45% | 1.825% |
| 56 | 12.704 | 3577 | 3586 | 3602 | rVB | 483345 | 782719 | 36.49% | 3.423% |
| 57 | 12.787 | 3602 | 3612 | 3620 | rBV2 | 108886 | 183880 | 8.57% | 0.804% |
| 58 | 12.880 | 3635 | 3641 | 3648 | rVB | 40847 | 48824 | 2.28% | 0.214% |
| 59 | 12.929 | 3648 | 3656 | 3661 | rVV4 | 51520 | 82183 | 3.83% | 0.359% |
| 60 | 12.964 | 3662 | 3667 | 3674 | rVB2 | 67334 | 87293 | 4.07% | 0.382% |
| 61 | 13.031 | 3682 | 3688 | 3695 | rVB3 | 27087 | 36605 | 1.71% | 0.160% |
| 62 | 13.083 | 3695 | 3704 | 3707 | rBV2 | 56502 | 82060 | 3.83% | 0.359% |
| 63 | 13.122 | 3707 | 3716 | 3735 | rVB3 | 419172 | 734131 | 34.22% | 3.211% |
| 64 | 13.237 | 3746 | 3752 | 3759 | rBV | 24472 | 35535 | 1.66% | 0.155% |
| 65 | 13.289 | 3760 | 3768 | 3778 | rVB2 | 59832 | 99431 | 4.63% | 0.435% |
| 66 | 13.408 | 3795 | 3805 | 3812 | rBV6 | 21367 | 36776 | 1.71% | 0.161% |
| 67 | 13.456 | 3813 | 3820 | 3827 | rBV2 | 24110 | 34359 | 1.60% | 0.150% |
| 68 | 13.511 | 3827 | 3837 | 3845 | rBV4 | 65887 | 114286 | 5.33% | 0.500% |
| 69 | 13.610 | 3864 | 3868 | 3875 | rVB | 25154 | 28073 | 1.31% | 0.123% |
| 70 | 13.739 | 3898 | 3908 | 3917 | rBV6 | 21284 | 39845 | 1.86% | 0.174% |
| 71 | 14.176 | 4028 | 4044 | 4051 | rBV9 | 11202 | 25217 | 1.18% | 0.110% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82U100118W.M
Title : SW846 8260

Sum of corrected areas: 22863365

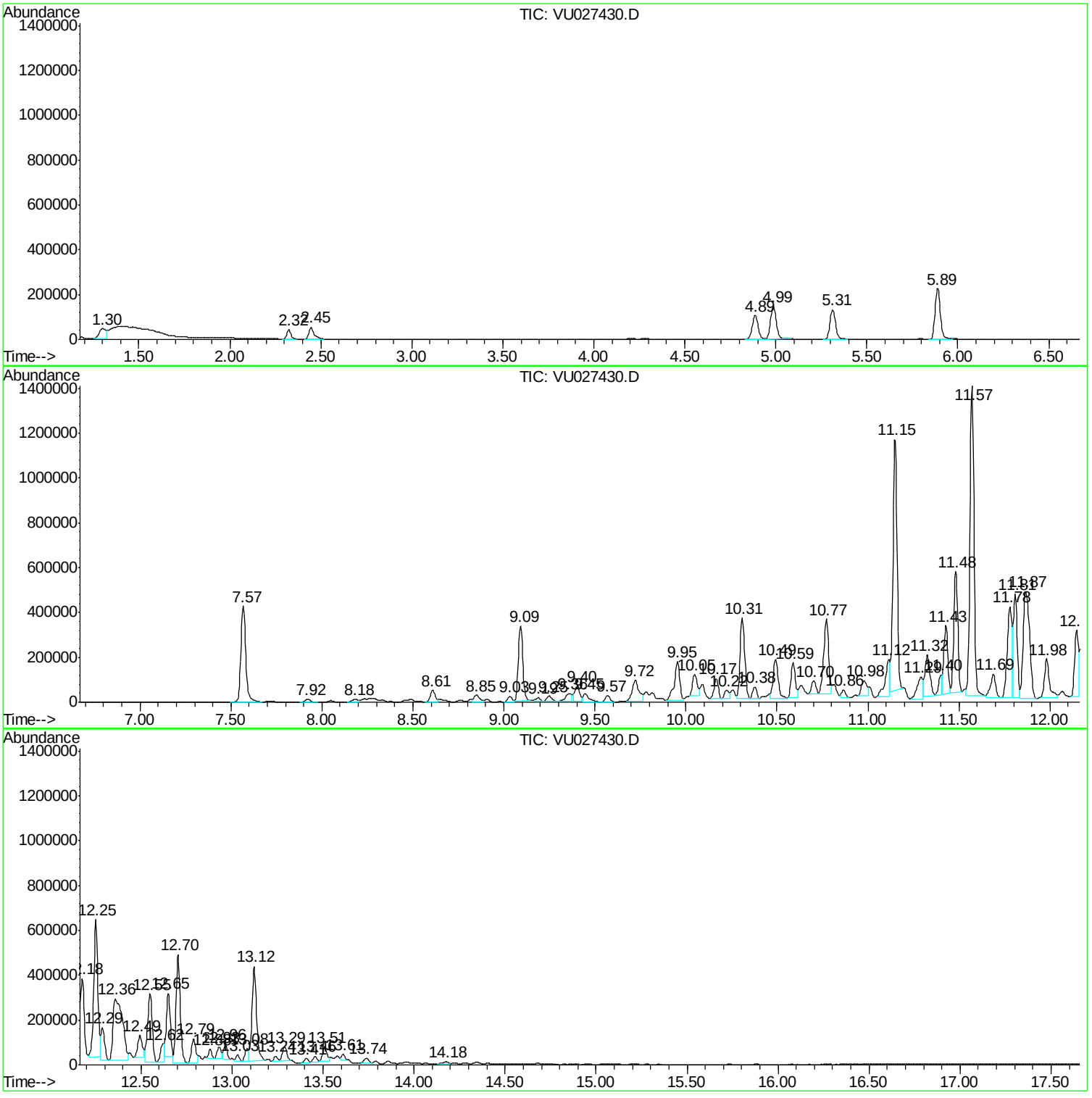
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

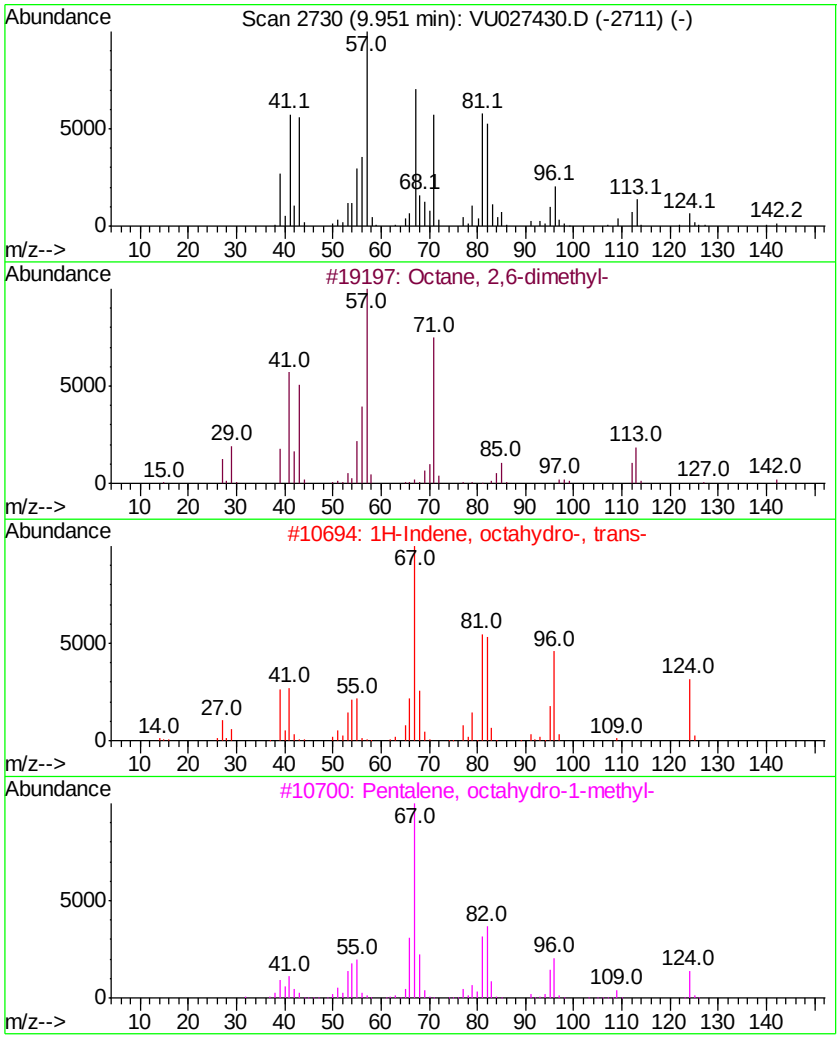
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

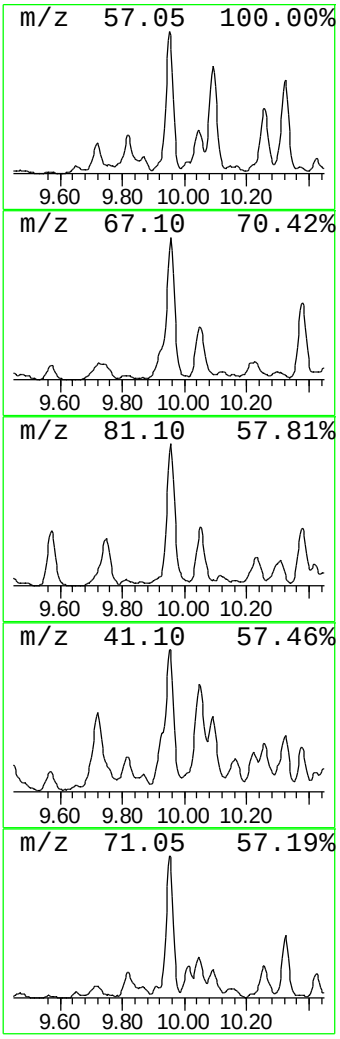
**********

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.95 | 31.19 ug/l | 356569 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 60 |
| 2 | 1H-Indene, octahydro-, trans- | 124 | C9H16 | 003296-50-2 | 49 |
| 3 | Pentalene, octahydro-1-methyl- | 124 | C9H16 | 032273-77-1 | 43 |
| 4 | Heptanoic acid, 3-hexenyl ester,... | 212 | C13H24O2 | 061444-39-1 | 43 |
| 5 | Bicyclo[4.1.0]heptane | 96 | C7H12 | 000286-08-8 | 41 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

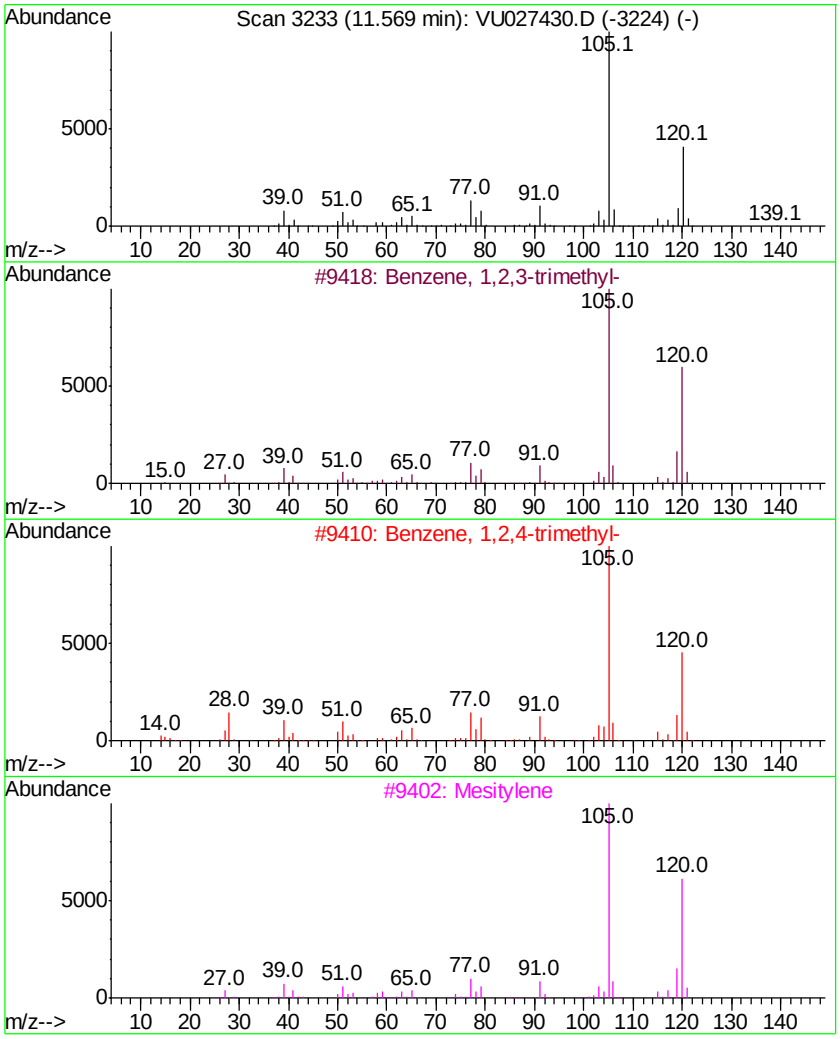
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

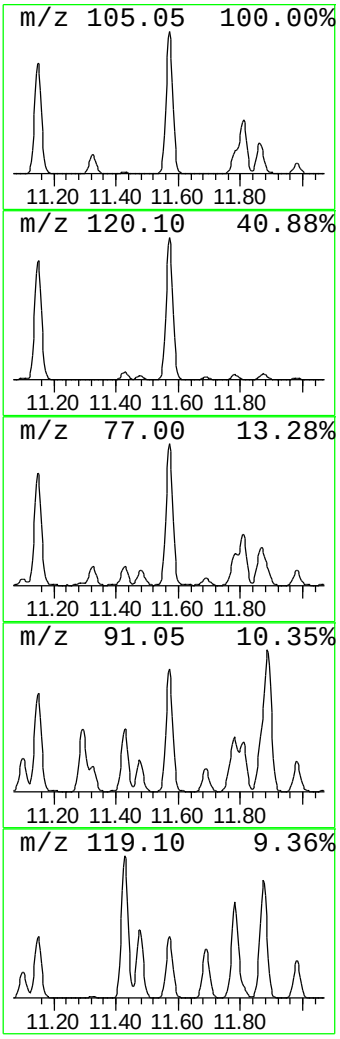
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.57 | 127.24 ug/l | 2145260 | 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 | 95 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 93 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 90 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

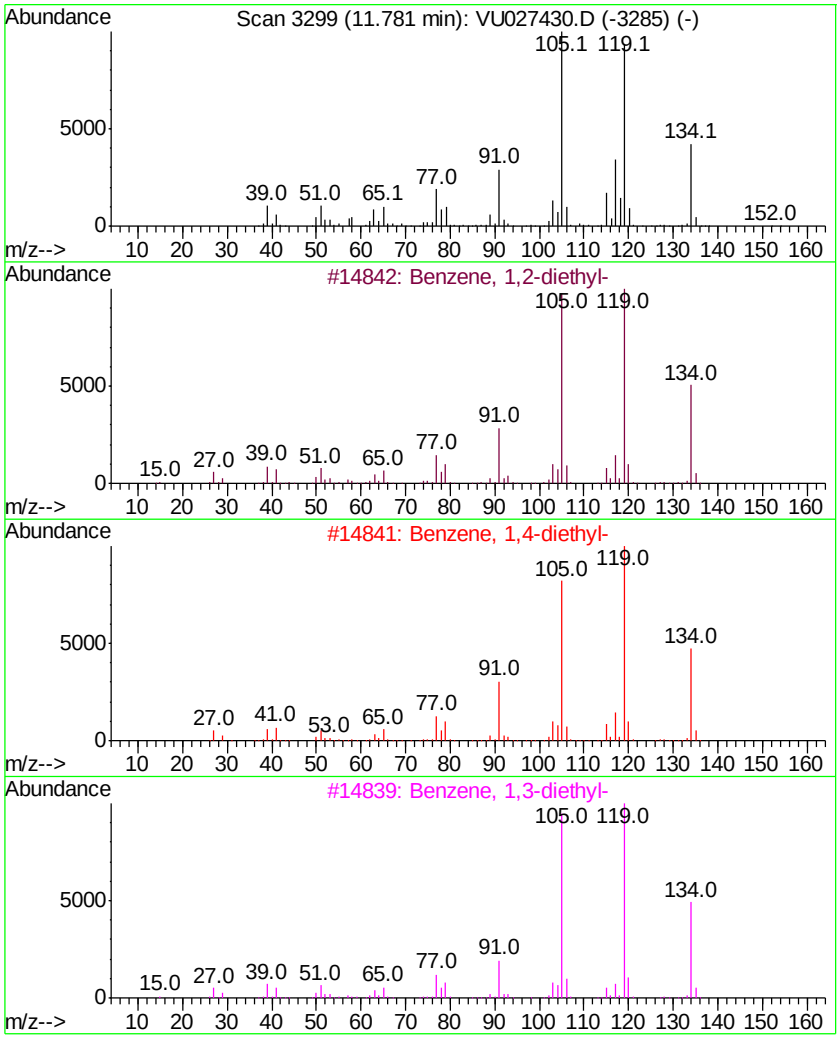
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

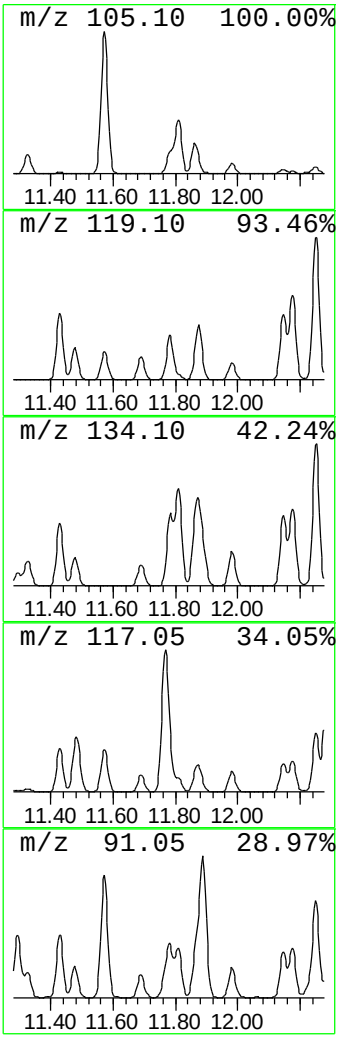
**********

Peak Number 3 Benzene, 1,2-diethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.78 | 43.69 ug/l | 736541 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 93 |
| 2 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 90 |
| 3 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 87 |
| 4 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 83 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 68 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

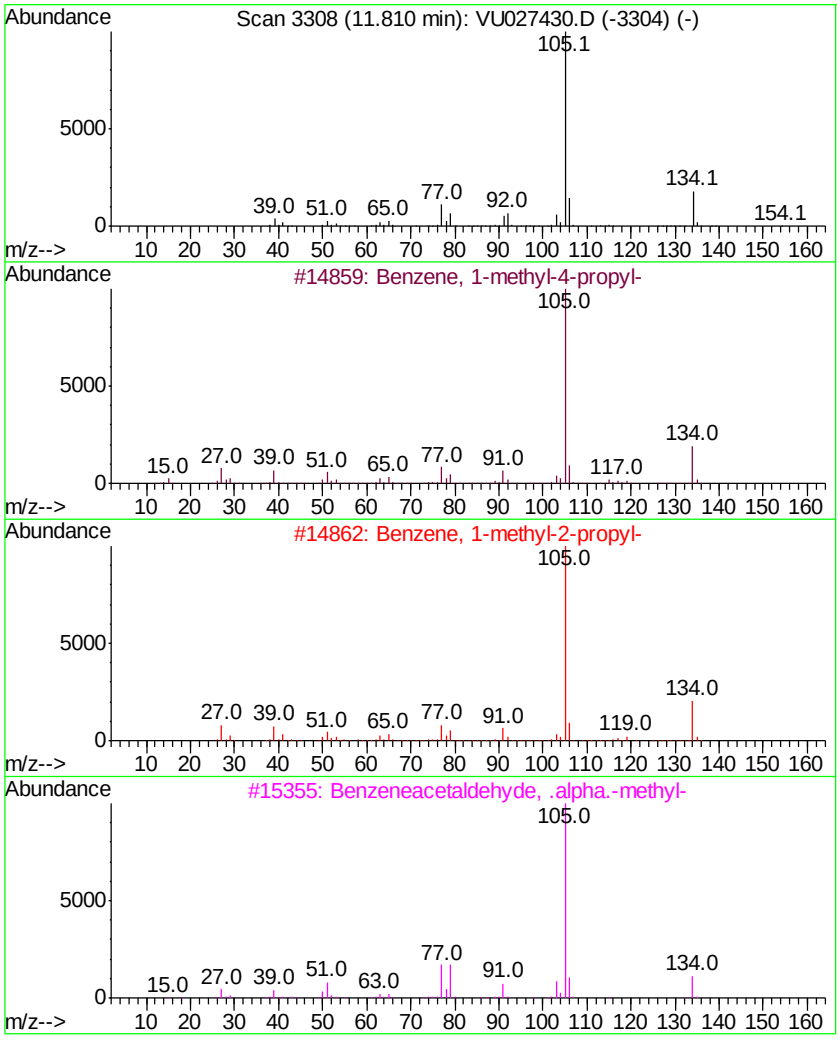
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

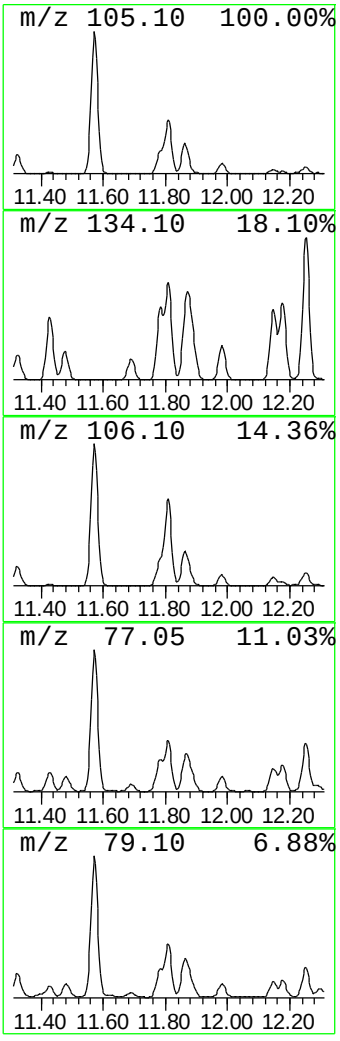
**********

Peak Number 4 Benzene, 1-methyl-4-propyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.81 | 37.03 ug/l | 624253 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 90 |
| 2 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 83 |
| 3 | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O | 000093-53-8 | 78 |
| 4 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 72 |
| 5 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

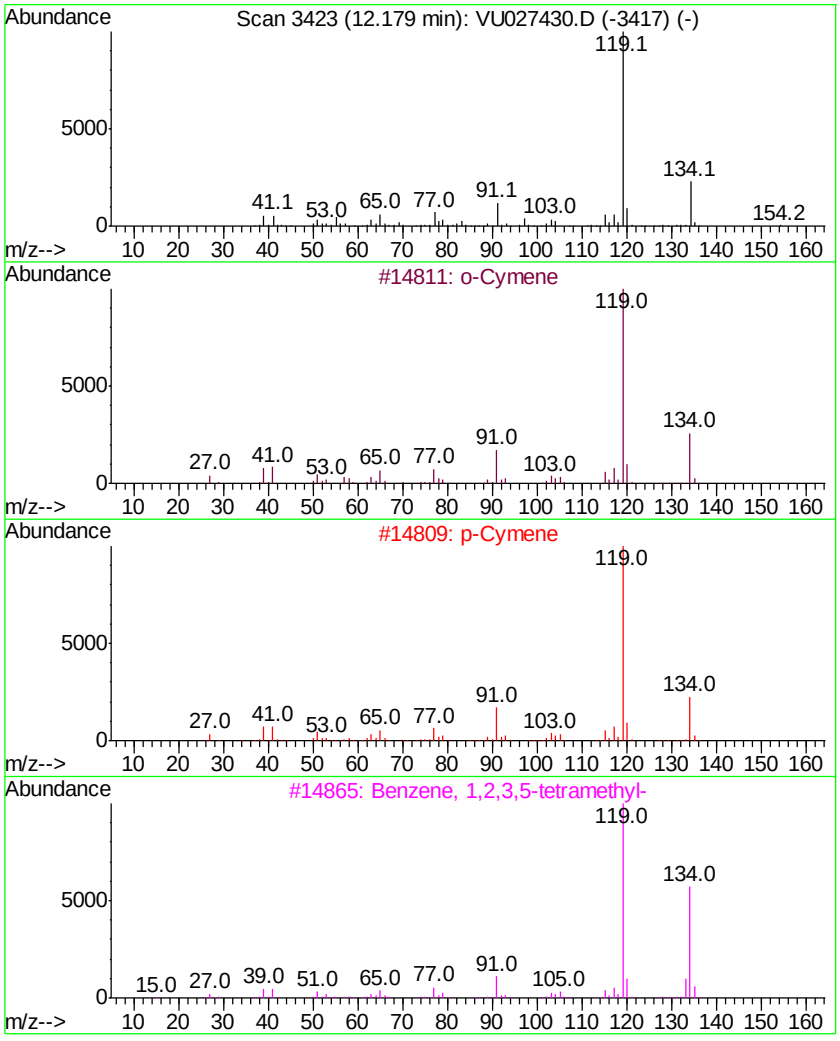
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

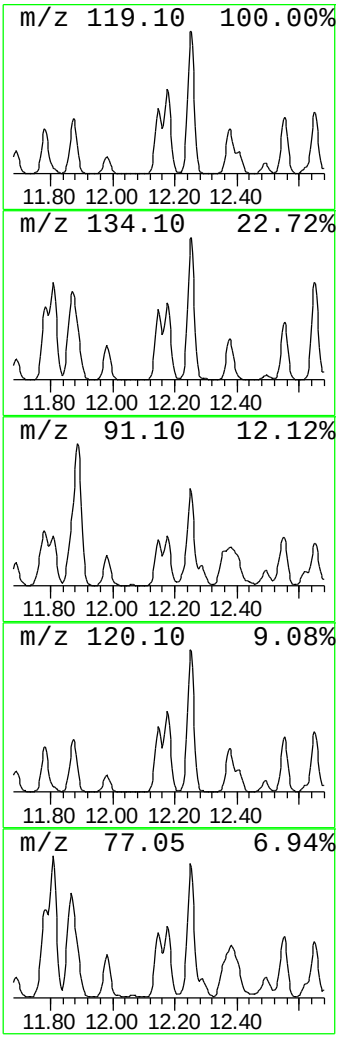
**********

Peak Number 5 o-Cymene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.18 | 31.28 ug/l | 527428 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 91 |
| 4 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 91 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

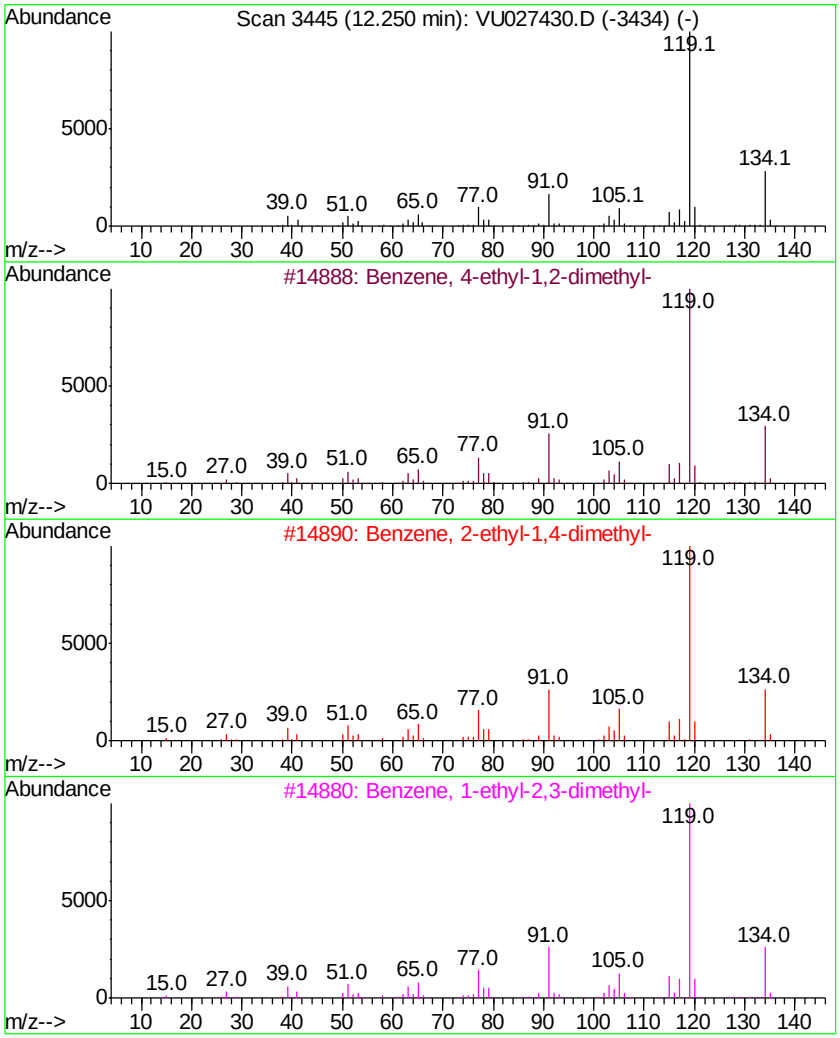
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

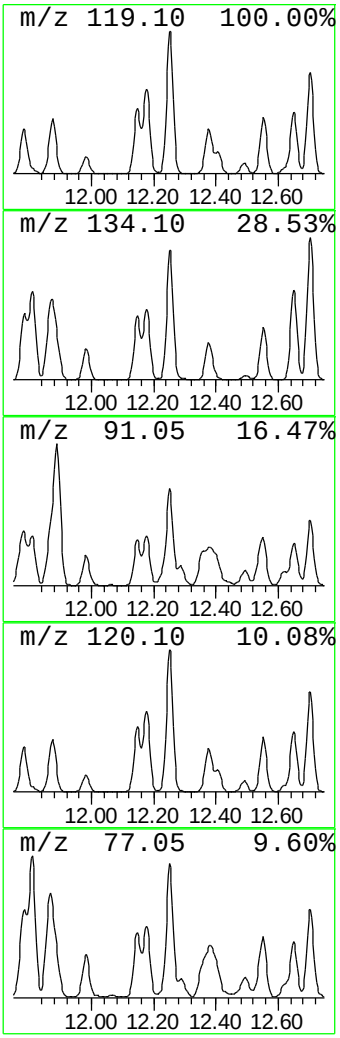
**********

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.25 | 56.67 ug/l | 955401 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |
| 2 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 93 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

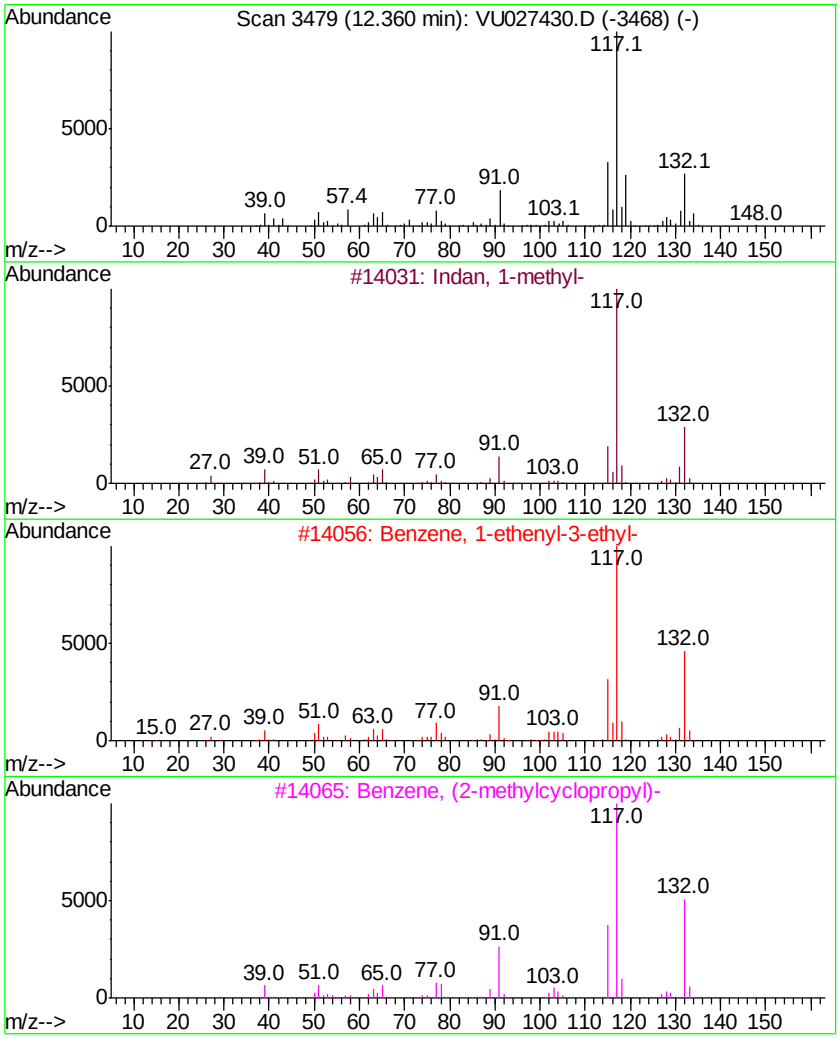
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

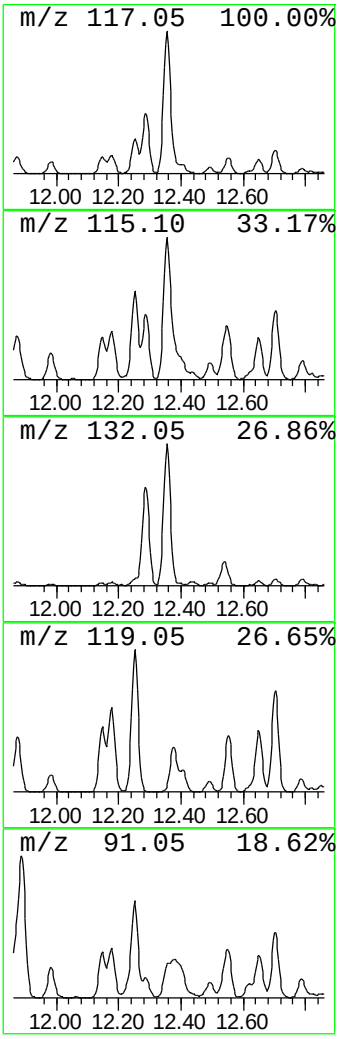
**********

Peak Number 7 Indan, 1-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.36 | 58.64 ug/l | 988597 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 93 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |
| 3 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 87 |
| 4 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 83 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 74 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

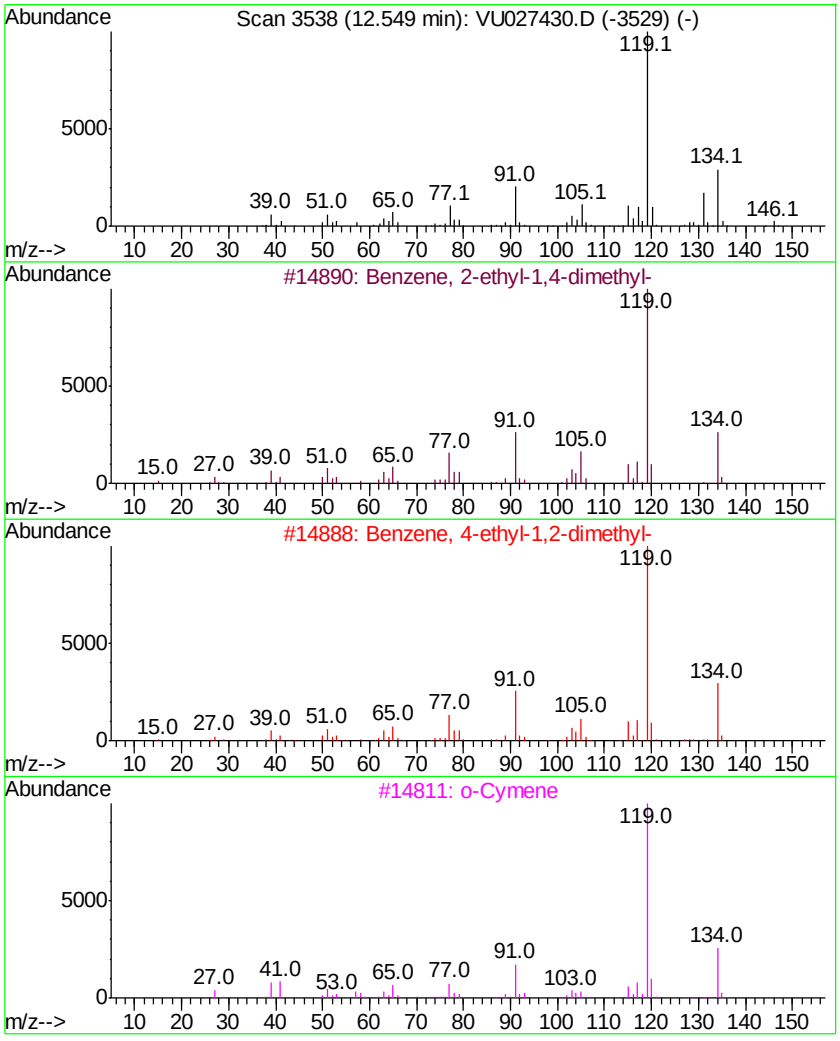
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

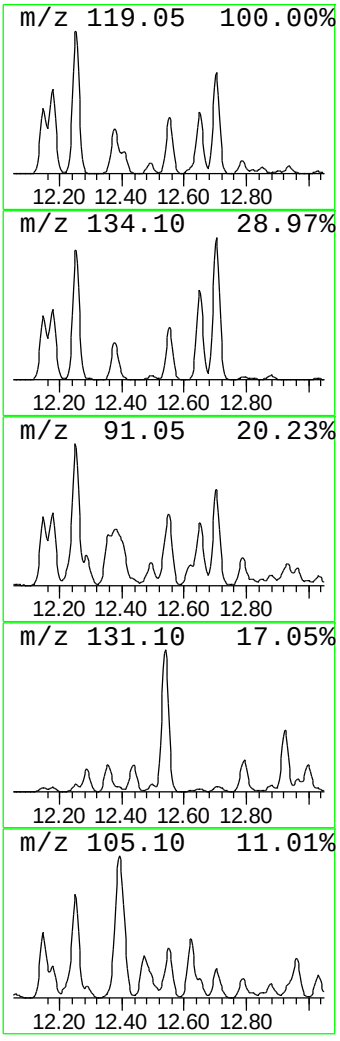
**********

Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.55 | 32.13 ug/l | 541791 | 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 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 93 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

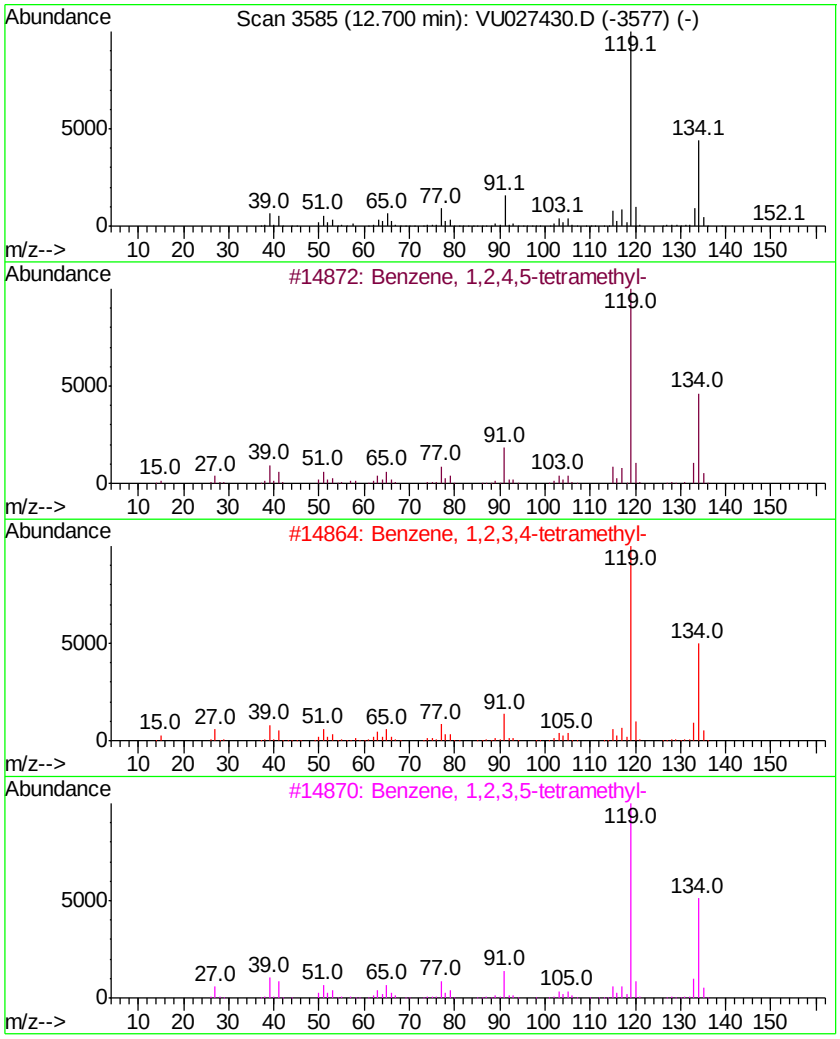
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

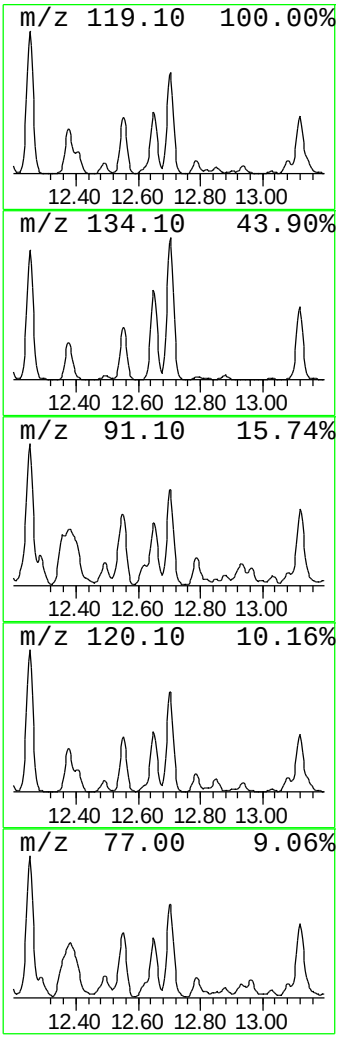
**********

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.70 | 46.42 ug/l | 782719 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 5 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 93 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

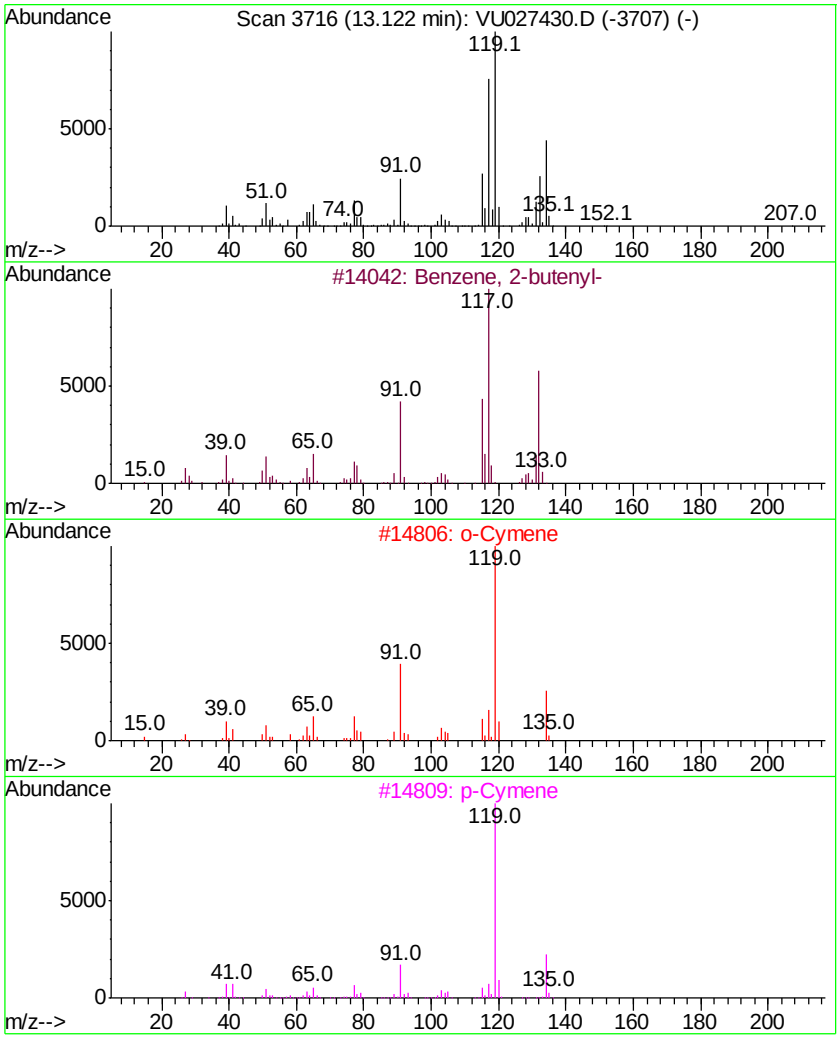
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

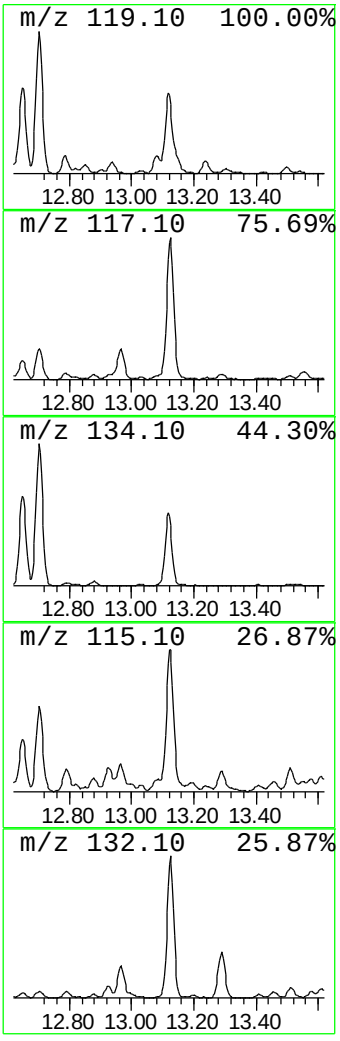
**********

Peak Number 10 Benzene, 2-butenyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.12 | 43.54 ug/l | 734131 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 64 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 55 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 50 |
| 4 | Benzene, 2-ethenyl-1,3-dimethyl- | 132 | C10H12 | 002039-90-9 | 50 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 50 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027430.D
Acq On : 04 Oct 2018 23:53
Operator : MD/SY
Sample : J5165-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EP1-MW-E-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Octane, 2,6-dimet... | 9.95 | 31.2 | ug/l | 356569 | 3 | 9.09 | 571623 | 50.0 |
| Benzene, 1,2,3-tr... | 11.57 | 127.2 | ug/l | 2145260 | 4 | 11.48 | 843000 | 50.0 |
| Benzene, 1,2-diet... | 11.78 | 43.7 | ug/l | 736541 | 4 | 11.48 | 843000 | 50.0 |
| Benzene, 1-methyl... | 11.81 | 37.0 | ug/l | 624253 | 4 | 11.48 | 843000 | 50.0 |
| o-Cymene | 12.18 | 31.3 | ug/l | 527428 | 4 | 11.48 | 843000 | 50.0 |
| Benzene, 4-ethyl-... | 12.25 | 56.7 | ug/l | 955401 | 4 | 11.48 | 843000 | 50.0 |
| Indan, 1-methyl- | 12.36 | 58.6 | ug/l | 988597 | 4 | 11.48 | 843000 | 50.0 |
| Benzene, 2-ethyl-... | 12.55 | 32.1 | ug/l | 541791 | 4 | 11.48 | 843000 | 50.0 |
| Benzene, 1,2,4,5-... | 12.70 | 46.4 | ug/l | 782719 | 4 | 11.48 | 843000 | 50.0 |
| Benzene, 2-butenyl- | 13.12 | 43.5 | ug/l | 734131 | 4 | 11.48 | 843000 | 50.0 |