LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

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\SOMULM040920WMA.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 | 1.494 | 43 | 48 | 54 | rVB4 | 5971 | 6759 | 0.19% | 0.015% |
| 2 | 1.610 | 76 | 84 | 94 | rVV | 369853 | 387477 | 10.88% | 0.885% |
| 3 | 1.839 | 131 | 155 | 156 | rBV9 | 39256 | 101482 | 2.85% | 0.232% |
| 4 | 1.903 | 166 | 175 | 187 | rVB | 292732 | 387770 | 10.89% | 0.886% |
| 5 | 2.584 | 374 | 387 | 408 | rBV | 539300 | 900237 | 25.27% | 2.057% |
| 6 | 2.810 | 446 | 457 | 470 | rVB4 | 4059 | 9328 | 0.26% | 0.021% |
| 7 | 3.218 | 569 | 584 | 597 | rVV2 | 19522 | 46532 | 1.31% | 0.106% |
| 8 | 4.665 | 1017 | 1034 | 1060 | rBV | 367806 | 857246 | 24.06% | 1.959% |
| 9 | 5.099 | 1151 | 1169 | 1193 | rBV | 520512 | 1148581 | 32.24% | 2.625% |
| 10 | 5.623 | 1322 | 1332 | 1342 | rBV8 | 3438 | 6909 | 0.19% | 0.016% |
| 11 | 5.758 | 1352 | 1374 | 1401 | rVV2 | 1161049 | 3041261 | 85.37% | 6.949% |
| 12 | 5.877 | 1401 | 1411 | 1422 | rVB9 | 3835 | 7362 | 0.21% | 0.017% |
| 13 | 6.015 | 1446 | 1454 | 1464 | rVB5 | 4845 | 8304 | 0.23% | 0.019% |
| 14 | 6.279 | 1520 | 1536 | 1552 | rBV | 956763 | 1776478 | 49.87% | 4.059% |
| 15 | 6.555 | 1612 | 1622 | 1636 | rVB5 | 7519 | 14195 | 0.40% | 0.032% |
| 16 | 6.719 | 1657 | 1673 | 1687 | rBV | 739237 | 1435137 | 40.29% | 3.279% |
| 17 | 6.787 | 1688 | 1694 | 1704 | rVB3 | 30179 | 52103 | 1.46% | 0.119% |
| 18 | 6.890 | 1717 | 1726 | 1736 | rVB7 | 6421 | 11951 | 0.34% | 0.027% |
| 19 | 7.002 | 1752 | 1761 | 1766 | rBV7 | 3343 | 5138 | 0.14% | 0.012% |
| 20 | 7.096 | 1776 | 1790 | 1801 | rBV8 | 6952 | 16103 | 0.45% | 0.037% |
| 21 | 7.205 | 1814 | 1824 | 1833 | rVV6 | 7105 | 14603 | 0.41% | 0.033% |
| 22 | 7.256 | 1833 | 1840 | 1854 | rVB5 | 7411 | 14492 | 0.41% | 0.033% |
| 23 | 7.446 | 1890 | 1899 | 1908 | rBV4 | 5586 | 8949 | 0.25% | 0.020% |
| 24 | 7.520 | 1910 | 1922 | 1929 | rBV3 | 24964 | 42942 | 1.21% | 0.098% |
| 25 | 7.591 | 1930 | 1944 | 1958 | rVB | 470955 | 807417 | 22.67% | 1.845% |
| 26 | 7.681 | 1962 | 1972 | 1979 | rBV2 | 22041 | 38506 | 1.08% | 0.088% |
| 27 | 7.880 | 2020 | 2034 | 2035 | rBV4 | 41259 | 60377 | 1.69% | 0.138% |
| 28 | 7.922 | 2035 | 2047 | 2064 | rVB | 1500652 | 2574199 | 72.26% | 5.882% |
| 29 | 8.057 | 2077 | 2089 | 2101 | rBV6 | 7155 | 18036 | 0.51% | 0.041% |
| 30 | 8.118 | 2102 | 2108 | 2117 | rVB7 | 7379 | 11972 | 0.34% | 0.027% |
| 31 | 8.202 | 2121 | 2134 | 2145 | rBV | 343124 | 566027 | 15.89% | 1.293% |
| 32 | 8.263 | 2145 | 2153 | 2166 | rVB4 | 31765 | 59105 | 1.66% | 0.135% |
| 33 | 8.388 | 2180 | 2192 | 2203 | rBV4 | 17600 | 31482 | 0.88% | 0.072% |
| 34 | 8.488 | 2203 | 2223 | 2233 | rBV3 | 17664 | 39972 | 1.12% | 0.091% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
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Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

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\SOMULM040920WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 8.552 | 2233 | 2243 | 2255 | rVB3 | 30027 | 51608 | 1.45% | 0.118% |
| 36 | 8.655 | 2258 | 2275 | 2301 | rBV | 1336527 | 2304439 | 64.69% | 5.266% |
| 37 | 8.777 | 2301 | 2313 | 2320 | rBV2 | 52634 | 95333 | 2.68% | 0.218% |
| 38 | 8.883 | 2338 | 2346 | 2355 | rVB | 52562 | 87035 | 2.44% | 0.199% |
| 39 | 8.941 | 2355 | 2364 | 2374 | rVV | 49547 | 87534 | 2.46% | 0.200% |
| 40 | 8.986 | 2374 | 2378 | 2392 | rVB10 | 13876 | 30277 | 0.85% | 0.069% |
| 41 | 9.086 | 2401 | 2409 | 2416 | rBV6 | 8873 | 15527 | 0.44% | 0.035% |
| 42 | 9.137 | 2416 | 2425 | 2432 | rVV | 49981 | 78412 | 2.20% | 0.179% |
| 43 | 9.186 | 2432 | 2440 | 2446 | rVV3 | 60079 | 108469 | 3.04% | 0.248% |
| 44 | 9.224 | 2447 | 2452 | 2464 | rVB2 | 56141 | 86767 | 2.44% | 0.198% |
| 45 | 9.350 | 2471 | 2491 | 2502 | rBV | 84985 | 142865 | 4.01% | 0.326% |
| 46 | 9.436 | 2503 | 2518 | 2532 | rVV | 1393907 | 2246491 | 63.06% | 5.133% |
| 47 | 9.526 | 2540 | 2546 | 2554 | rVB2 | 9494 | 12564 | 0.35% | 0.029% |
| 48 | 9.578 | 2554 | 2562 | 2575 | rVB6 | 30535 | 55482 | 1.56% | 0.127% |
| 49 | 9.710 | 2576 | 2603 | 2618 | rBV | 1723307 | 2961546 | 83.14% | 6.767% |
| 50 | 9.777 | 2618 | 2624 | 2648 | rVB6 | 49529 | 103675 | 2.91% | 0.237% |
| 51 | 9.896 | 2648 | 2661 | 2672 | rBV7 | 19548 | 49962 | 1.40% | 0.114% |
| 52 | 9.967 | 2675 | 2683 | 2693 | rBV4 | 13796 | 26387 | 0.74% | 0.060% |
| 53 | 10.034 | 2693 | 2704 | 2717 | rBV5 | 110812 | 271810 | 7.63% | 0.621% |
| 54 | 10.131 | 2727 | 2734 | 2744 | rVB3 | 55200 | 76795 | 2.16% | 0.175% |
| 55 | 10.263 | 2758 | 2775 | 2789 | rBV4 | 215592 | 492792 | 13.83% | 1.126% |
| 56 | 10.330 | 2790 | 2796 | 2798 | rBV3 | 24502 | 27944 | 0.78% | 0.064% |
| 57 | 10.369 | 2799 | 2808 | 2815 | rVV3 | 167411 | 296395 | 8.32% | 0.677% |
| 58 | 10.407 | 2815 | 2820 | 2831 | rVB2 | 158729 | 254394 | 7.14% | 0.581% |
| 59 | 10.491 | 2832 | 2846 | 2856 | rVB4 | 62337 | 155864 | 4.38% | 0.356% |
| 60 | 10.571 | 2856 | 2871 | 2881 | rBV6 | 147450 | 337476 | 9.47% | 0.771% |
| 61 | 10.636 | 2882 | 2891 | 2898 | rVB | 136619 | 183012 | 5.14% | 0.418% |
| 62 | 10.684 | 2898 | 2906 | 2920 | rBV2 | 236775 | 381304 | 10.70% | 0.871% |
| 63 | 10.771 | 2923 | 2933 | 2943 | rBV | 1069333 | 1732040 | 48.62% | 3.958% |
| 64 | 10.822 | 2943 | 2949 | 2961 | rVB8 | 143555 | 265914 | 7.46% | 0.608% |
| 65 | 10.880 | 2961 | 2967 | 2971 | rBV2 | 42234 | 54188 | 1.52% | 0.124% |
| 66 | 10.915 | 2973 | 2978 | 2987 | rVB2 | 56070 | 81056 | 2.28% | 0.185% |
| 67 | 10.967 | 2989 | 2994 | 3000 | rBV3 | 33547 | 42368 | 1.19% | 0.097% |
| 68 | 11.015 | 3000 | 3009 | 3021 | rBV2 | 219213 | 492609 | 13.83% | 1.126% |
| 69 | 11.079 | 3022 | 3029 | 3031 | rBV3 | 131250 | 160020 | 4.49% | 0.366% |
| 70 | 11.256 | 3079 | 3084 | 3090 | rBV6 | 26640 | 30372 | 0.85% | 0.069% |
| 71 | 11.320 | 3091 | 3104 | 3116 | rBV9 | 163239 | 355670 | 9.98% | 0.813% |

LSC Area Percent Report

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Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

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\SOMULM040920WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 11.388 | 3117 | 3125 | 3130 | rVV4 | 137889 | 223427 | 6.27% | 0.511% |
| 73 | 11.427 | 3130 | 3137 | 3143 | rVV | 424876 | 609266 | 17.10% | 1.392% |
| 74 | 11.475 | 3143 | 3152 | 3177 | rVB2 | 876416 | 1946045 | 54.63% | 4.447% |
| 75 | 11.587 | 3177 | 3187 | 3196 | rBV2 | 253274 | 485214 | 13.62% | 1.109% |
| 76 | 11.652 | 3202 | 3207 | 3215 | rVB5 | 106391 | 138504 | 3.89% | 0.316% |
| 77 | 11.710 | 3216 | 3225 | 3235 | rBV3 | 727904 | 1269752 | 35.64% | 2.901% |
| 78 | 11.825 | 3250 | 3261 | 3272 | rBV | 1559579 | 2481401 | 69.66% | 5.670% |
| 79 | 11.880 | 3272 | 3278 | 3281 | rVV | 138629 | 185100 | 5.20% | 0.423% |
| 80 | 11.906 | 3283 | 3286 | 3293 | rVV | 239436 | 334494 | 9.39% | 0.764% |
| 81 | 11.954 | 3293 | 3301 | 3305 | rVV | 502299 | 803161 | 22.55% | 1.835% |
| 82 | 11.983 | 3306 | 3310 | 3325 | rVB | 513040 | 717946 | 20.15% | 1.641% |
| 83 | 12.134 | 3338 | 3357 | 3363 | rBV4 | 219968 | 551521 | 15.48% | 1.260% |
| 84 | 12.205 | 3363 | 3379 | 3393 | rVB3 | 1789202 | 3562301 | 100.00% | 8.140% |
| 85 | 12.340 | 3415 | 3421 | 3431 | rVB6 | 107316 | 177960 | 5.00% | 0.407% |
| 86 | 12.394 | 3431 | 3438 | 3454 | rVB8 | 160211 | 441191 | 12.39% | 1.008% |
| 87 | 12.484 | 3458 | 3466 | 3467 | rBV2 | 90437 | 107037 | 3.00% | 0.245% |
| 88 | 12.947 | 3601 | 3610 | 3617 | rBV4 | 83615 | 170916 | 4.80% | 0.391% |
| 89 | 13.047 | 3632 | 3641 | 3644 | rBV | 70545 | 108956 | 3.06% | 0.249% |
| 90 | 13.169 | 3671 | 3679 | 3689 | rVB3 | 109995 | 213455 | 5.99% | 0.488% |
| 91 | 13.475 | 3765 | 3774 | 3789 | rVB4 | 92052 | 195427 | 5.49% | 0.447% |
| 92 | 13.613 | 3812 | 3817 | 3823 | rBV | 30545 | 35646 | 1.00% | 0.081% |
| 93 | 13.758 | 3858 | 3862 | 3872 | rVB | 10136 | 12940 | 0.36% | 0.030% |
| 94 | 13.861 | 3889 | 3894 | 3902 | rVB7 | 12445 | 18124 | 0.51% | 0.041% |
| 95 | 14.115 | 3966 | 3973 | 3981 | rVB | 49218 | 72484 | 2.03% | 0.166% |
| 96 | 14.224 | 4001 | 4007 | 4021 | rVB2 | 25634 | 48935 | 1.37% | 0.112% |
| 97 | 15.066 | 4261 | 4269 | 4275 | rBV2 | 3755 | 7226 | 0.20% | 0.017% |
| 98 | 15.259 | 4320 | 4329 | 4339 | rVB2 | 41539 | 65024 | 1.83% | 0.149% |
| 99 | 15.449 | 4381 | 4388 | 4400 | rVB3 | 16311 | 28147 | 0.79% | 0.064% |
| 100 | 15.999 | 4554 | 4559 | 4564 | rBV5 | 5421 | 6223 | 0.17% | 0.014% |

Sum of corrected areas: 43762651

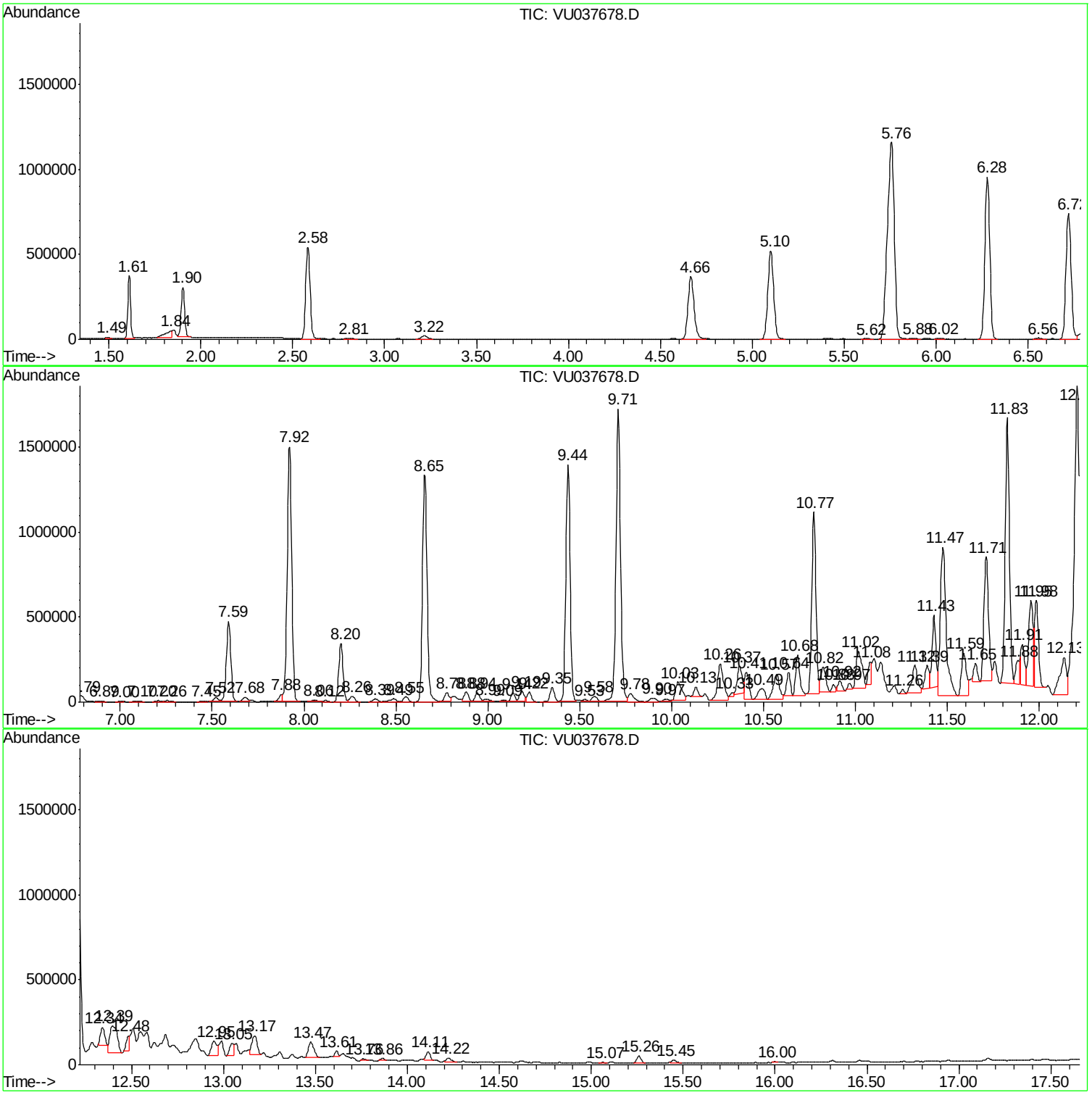
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

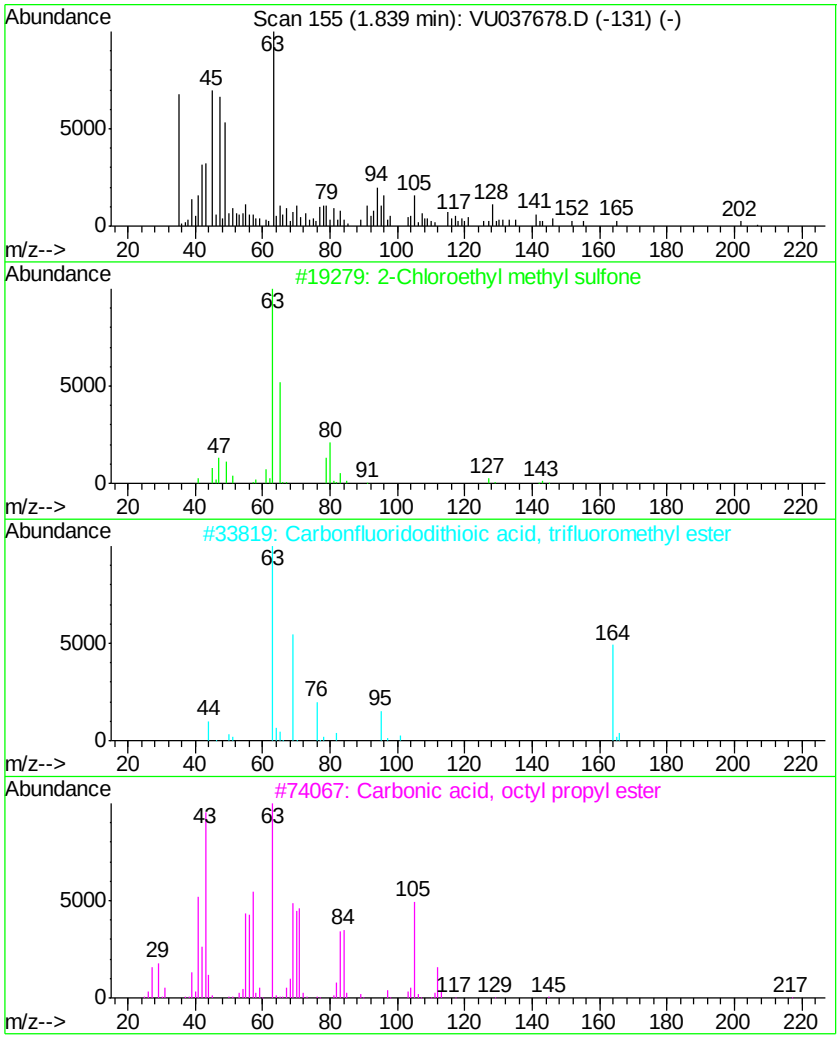
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

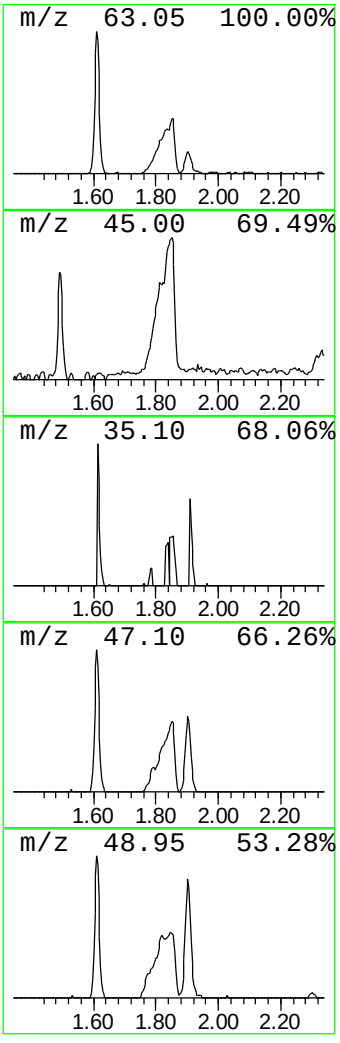
**********

Peak Number 1 2-Chloroethyl methyl sulfone Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.84 | 2.86 ug/L | 101482 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Chloroethyl methyl sulfone | 142 | C3H7ClO2S | 050890-51-2 | 72 |
| 2 | Carbonfluoridodithioic acid, tri... | 164 | C2F4S2 | 000371-73-3 | 23 |
| 3 | Carbonic acid, octyl propyl ester | 216 | C12H24O3 | 1000314-53-5 | 10 |
| 4 | Methane, chloromethoxy- | 80 | C2H5ClO | 000107-30-2 | 9 |
| 5 | Oxalyl chloride | 126 | C2Cl2O2 | 000079-37-8 | 9 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

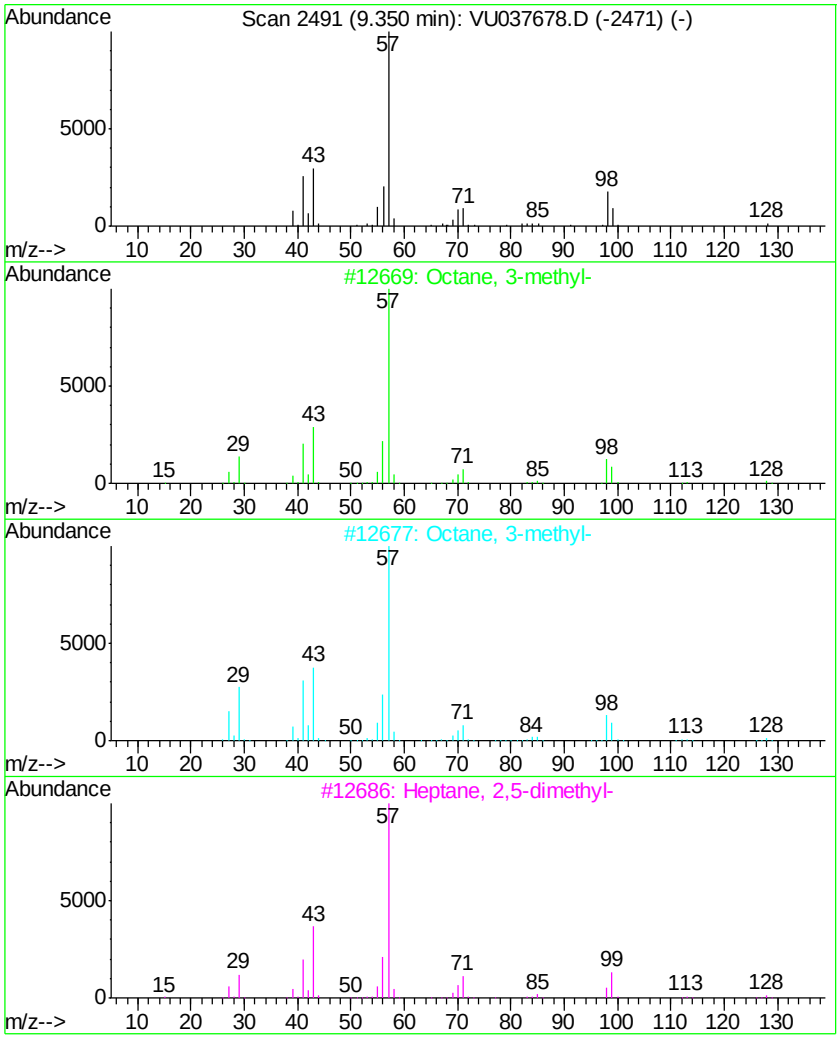
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

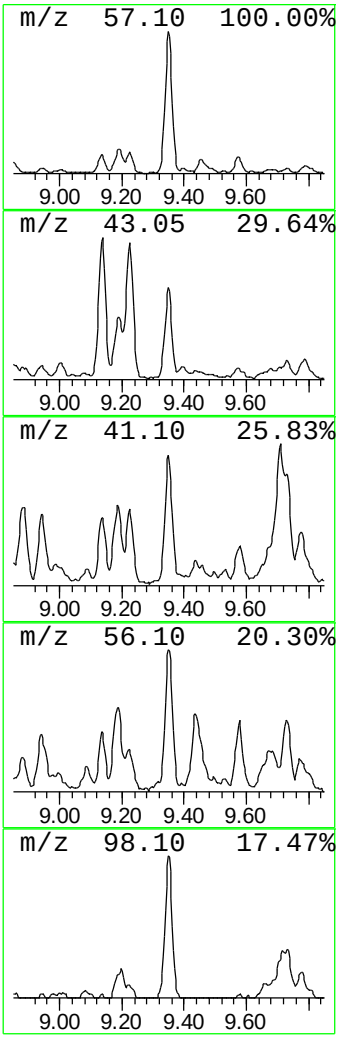
**********

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.35 | 3.18 ug/L | 142865 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 91 |
| 2 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 90 |
| 3 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 87 |
| 4 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 86 |
| 5 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

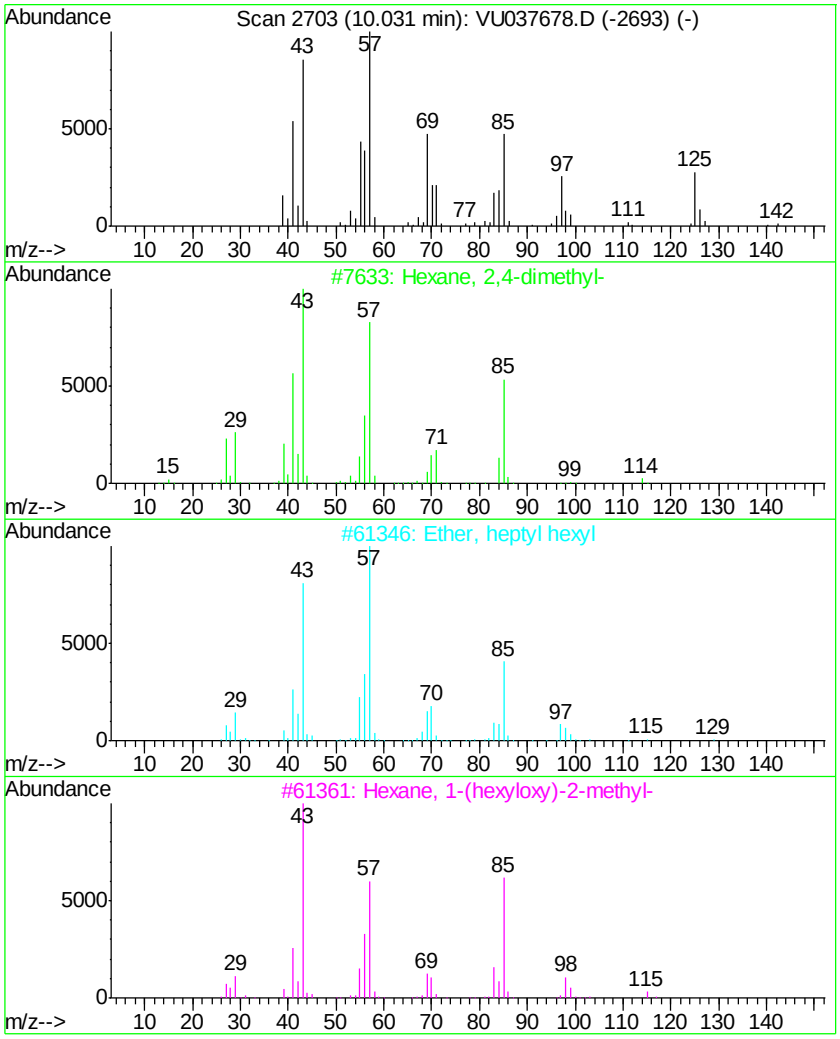
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

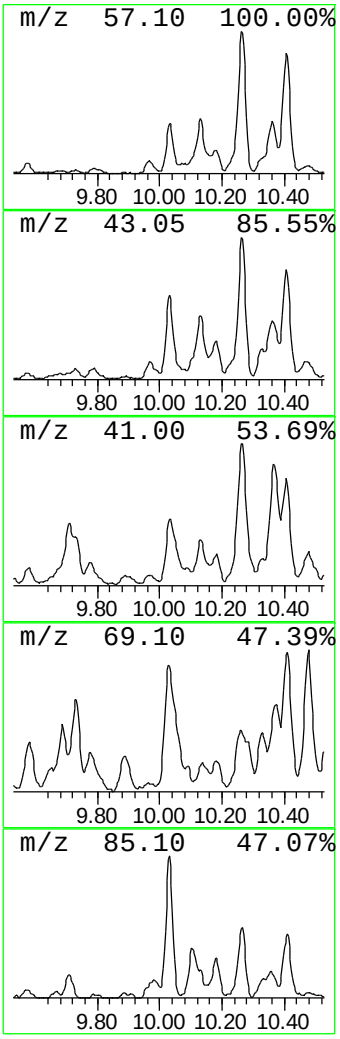
**********

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.03 | 6.05 ug/L | 271810 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 58 |
| 2 | Ether, heptyl hexyl | 200 | C13H28O | 007289-40-9 | 52 |
| 3 | Hexane, 1-(hexyloxy)-2-methyl- | 200 | C13H28O | 074421-17-3 | 43 |
| 4 | Oxalic acid, butyl isohexyl ester | 230 | C12H22O4 | 1000309-32-7 | 43 |
| 5 | 1-Pentanol, 2-ethyl- | 116 | C7H16O | 027522-11-8 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

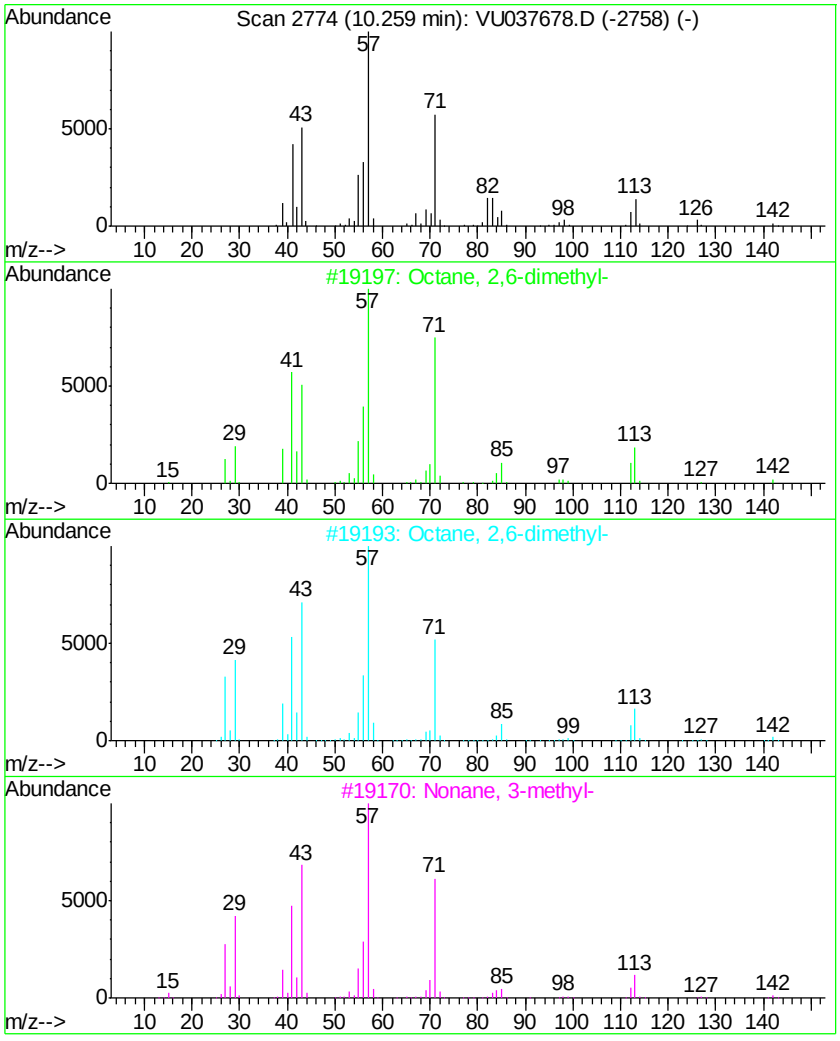
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

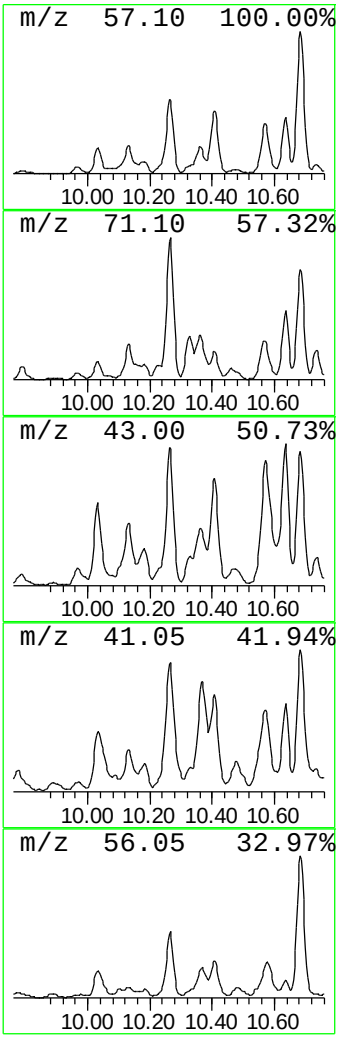
**********

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.26 | 10.97 ug/L | 492792 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 93 |
| 2 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 87 |
| 3 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 81 |
| 4 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 81 |
| 5 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 80 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

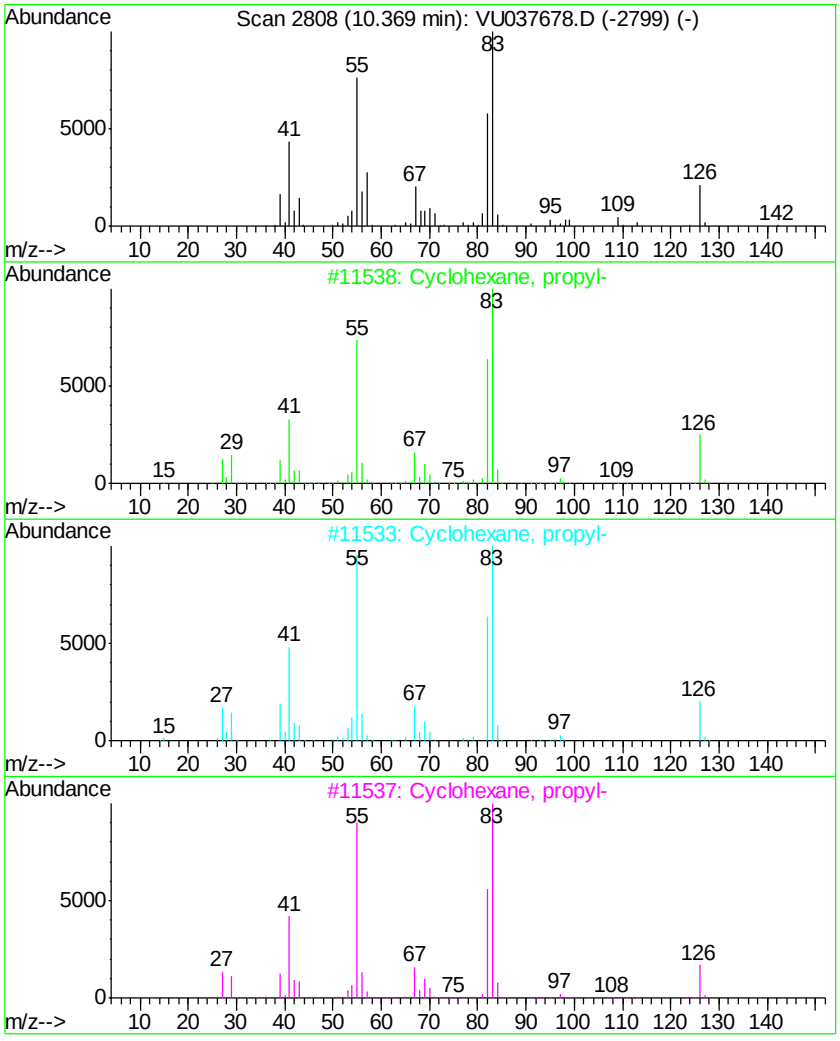
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

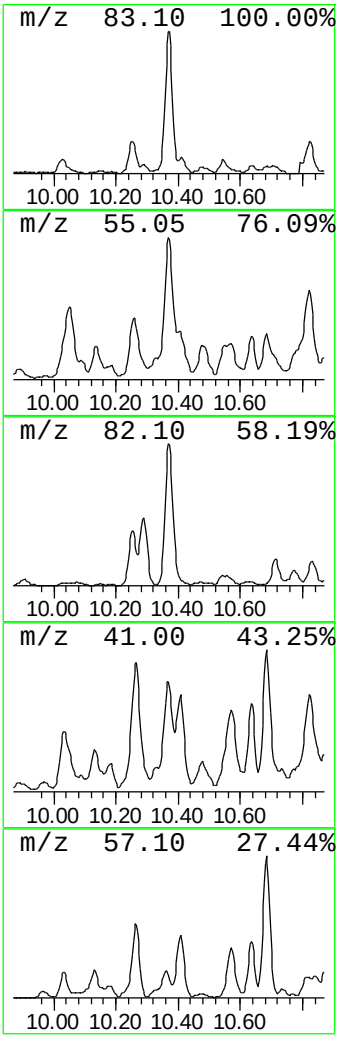
**********

Peak Number 6 (DEL) Alkane: Cyclic10.37 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.37 | 6.60 ug/L | 296395 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 90 |
| 2 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 86 |
| 3 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 74 |
| 4 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 72 |
| 5 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 72 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

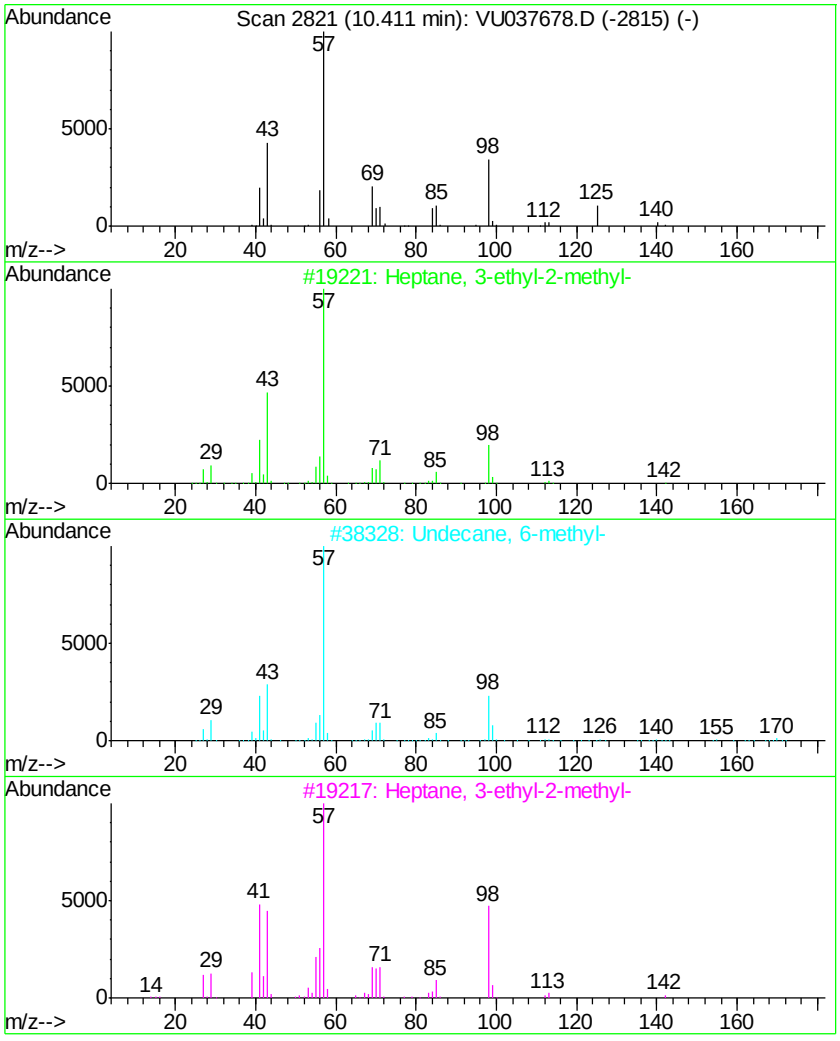
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

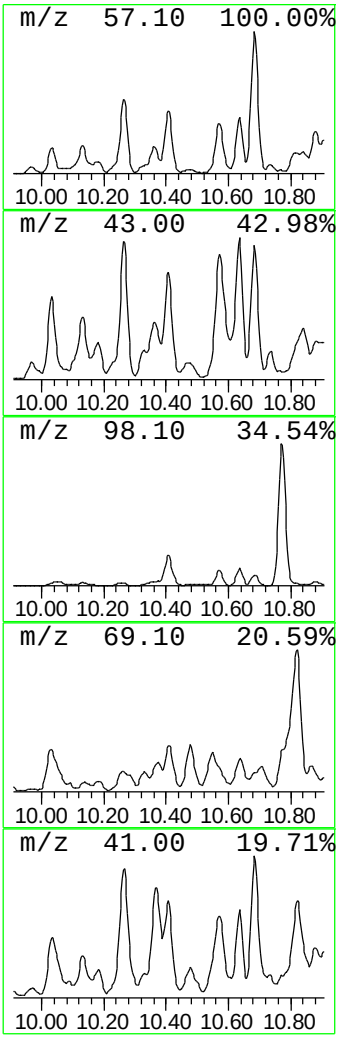
**********

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.41 | 5.66 ug/L | 254394 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3-ethyl-2-methyl- | 142 | C10H22 | 014676-29-0 | 72 |
| 2 | Undecane, 6-methyl- | 170 | C12H26 | 017302-33-9 | 64 |
| 3 | Heptane, 3-ethyl-2-methyl- | 142 | C10H22 | 014676-29-0 | 64 |
| 4 | Heptane, 3-ethyl-2-methyl- | 142 | C10H22 | 014676-29-0 | 59 |
| 5 | Heptane, 2,3,6-trimethyl- | 142 | C10H22 | 004032-93-3 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

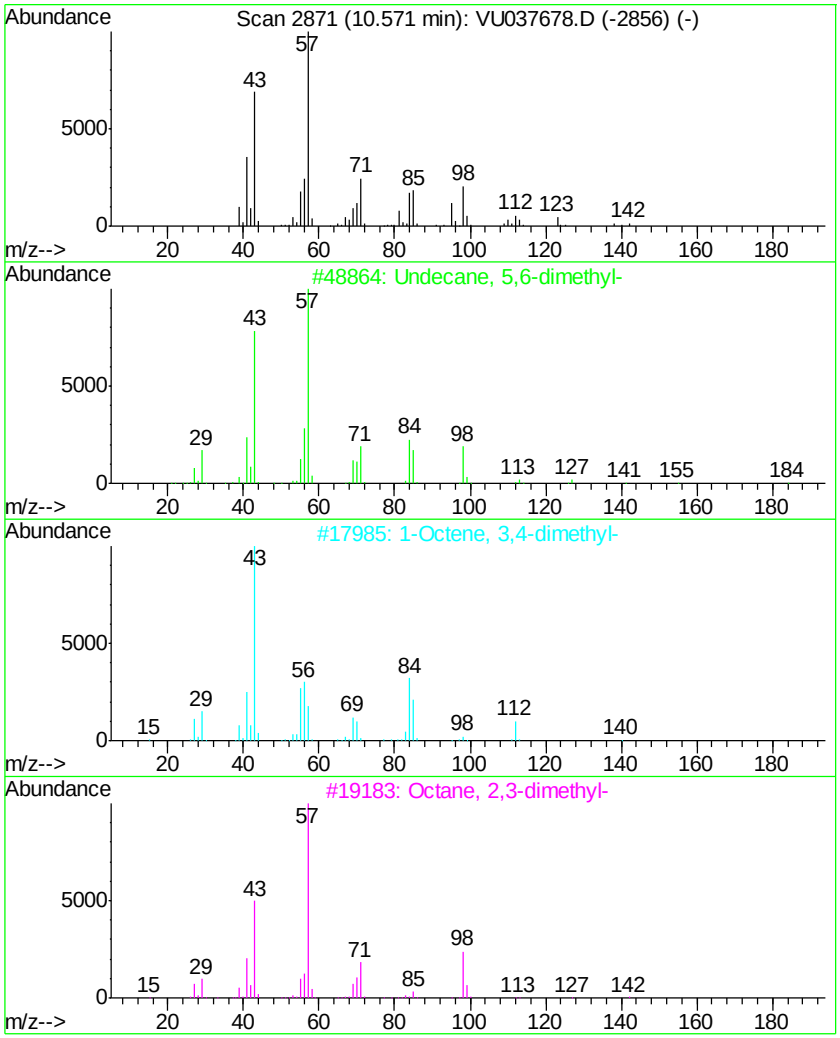
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

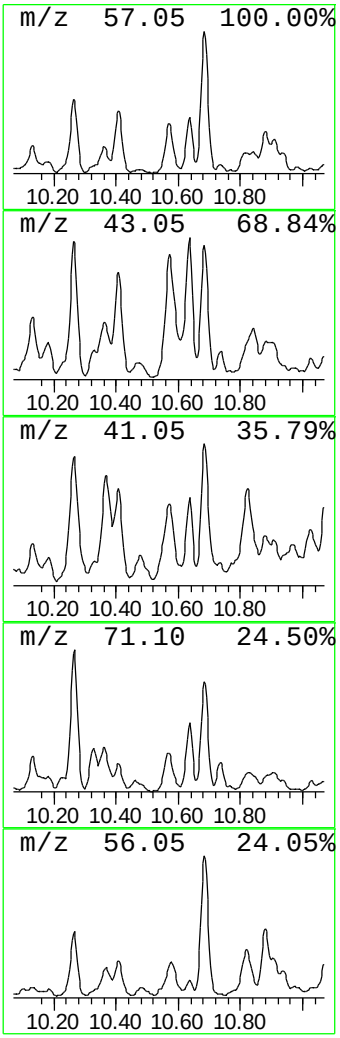
**********

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.57 | 7.51 ug/L | 337476 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 5,6-dimethyl- | 184 | C13H28 | 017615-91-7 | 58 |
| 2 | 1-Octene, 3,4-dimethyl- | 140 | C10H20 | 056728-11-1 | 38 |
| 3 | Octane, 2,3-dimethyl- | 142 | C10H22 | 007146-60-3 | 38 |
| 4 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 38 |
| 5 | Decane | 142 | C10H22 | 000124-18-5 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

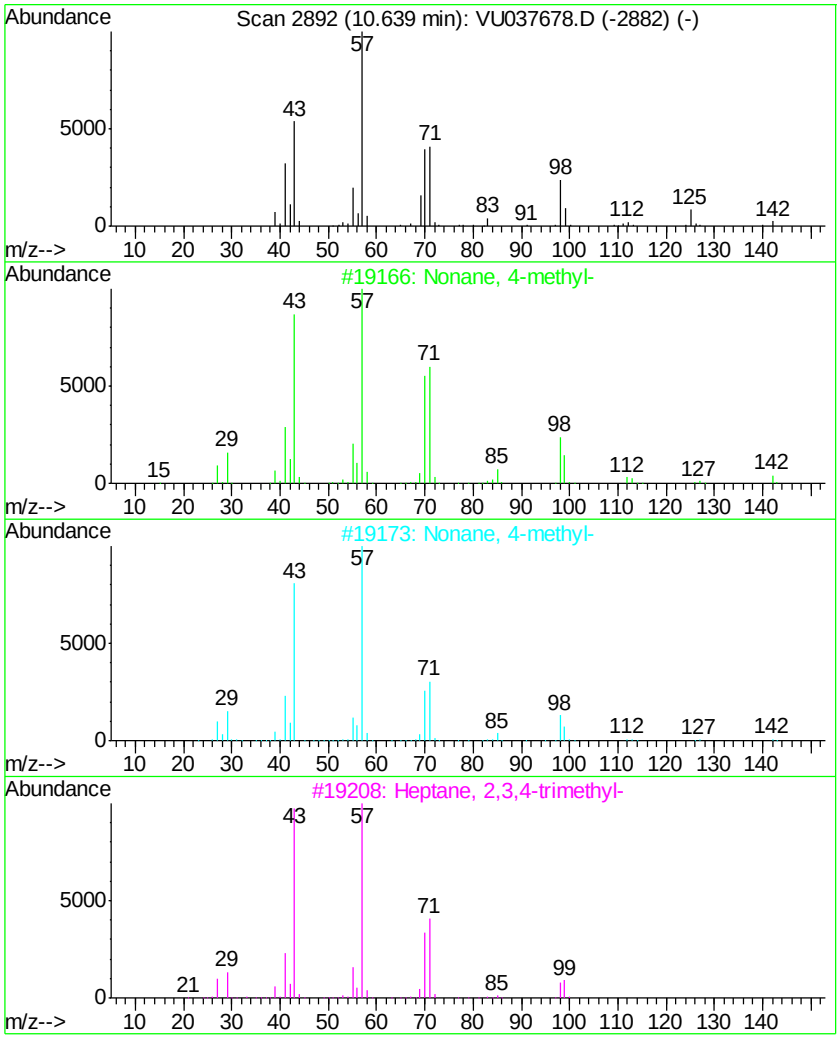
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

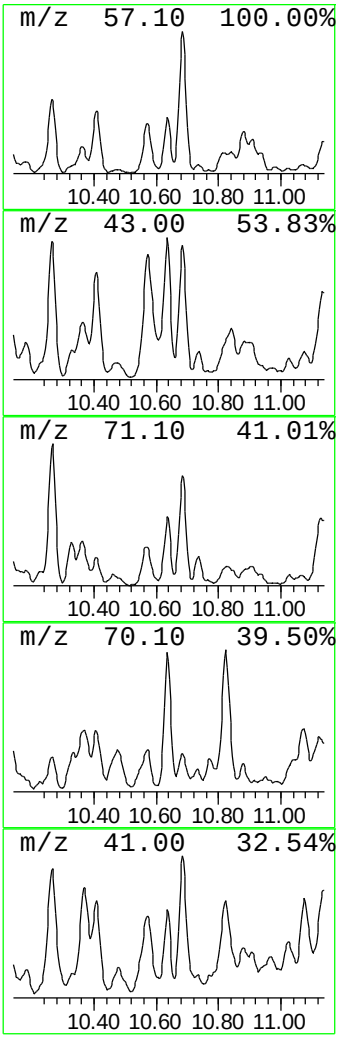
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.64 | 3.69 ug/L | 183012 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 64 |
| 2 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 59 |
| 3 | Heptane, 2,3,4-trimethyl- | 142 | C10H22 | 052896-95-4 | 59 |
| 4 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 50 |
| 5 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

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

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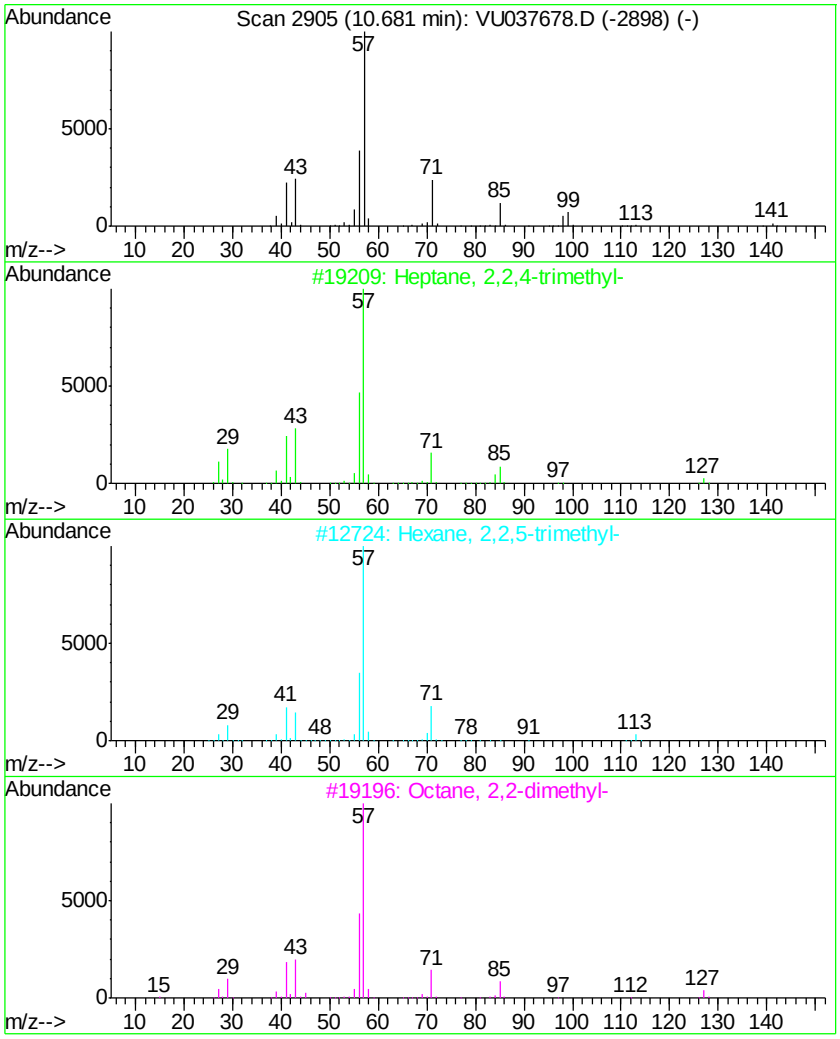
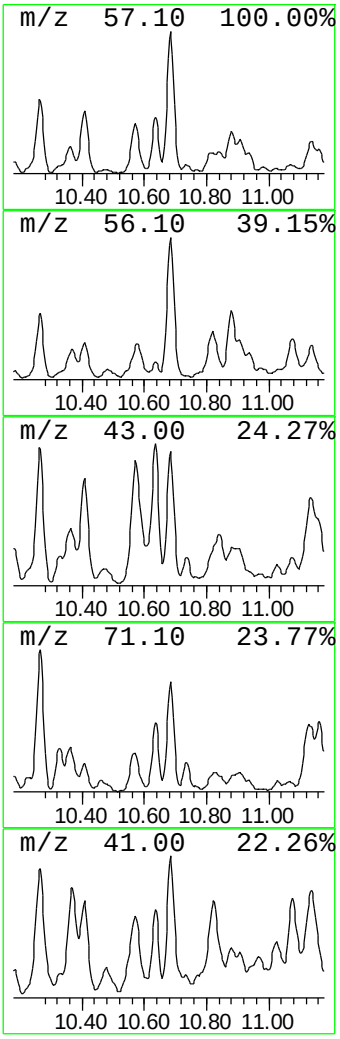
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.68 | 7.68 ug/L | 381304 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,2,4-trimethyl- | 142 | C10H22 | 014720-74-2 | 59 |
| 2 | Hexane, 2,2,5-trimethyl- | 128 | C9H20 | 003522-94-9 | 59 |
| 3 | Octane, 2,2-dimethyl- | 142 | C10H22 | 015869-87-1 | 59 |
| 4 | Dodecane, 2,2,11,11-tetramethyl- | 226 | C16H34 | 127204-12-0 | 56 |
| 5 | 2,2,7,7-Tetramethyloctane | 170 | C12H26 | 001071-31-4 | 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

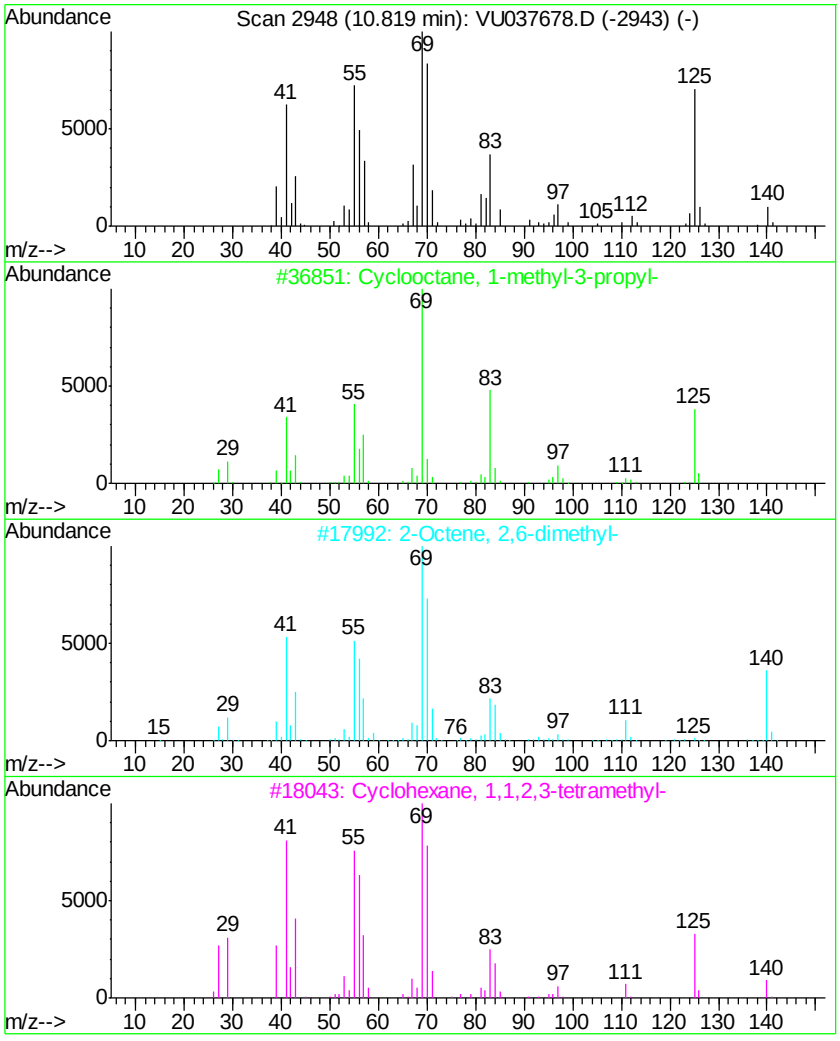
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

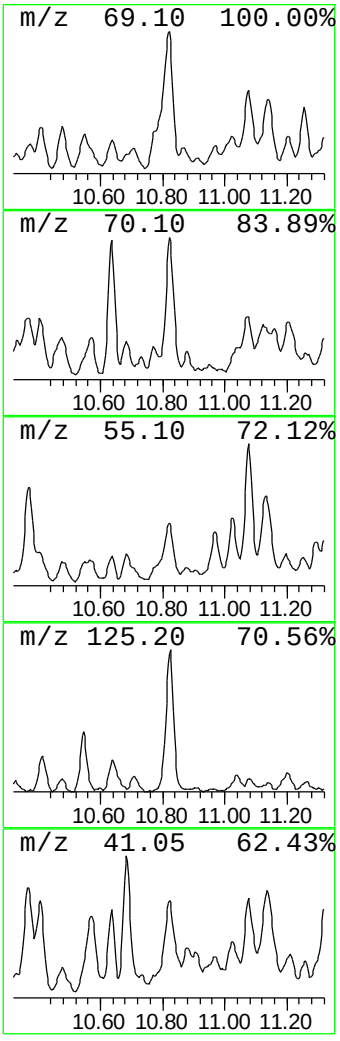
**********

Peak Number 11 (DEL) Alkane: Cyclic10.82 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.82 | 5.36 ug/L | 265914 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclooctane, 1-methyl-3-propyl- | 168 | C12H24 | 255885-37-1 | 47 |
| 2 | 2-Octene, 2,6-dimethyl- | 140 | C10H20 | 004057-42-5 | 43 |
| 3 | Cyclohexane, 1,1,2,3-tetramethyl- | 140 | C10H20 | 006783-92-2 | 38 |
| 4 | 1,2-Cyclohexanedione | 112 | C6H8O2 | 000765-87-7 | 30 |
| 5 | Cyclohexane, 1,2,4-trimethyl- | 126 | C9H18 | 002234-75-5 | 27 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

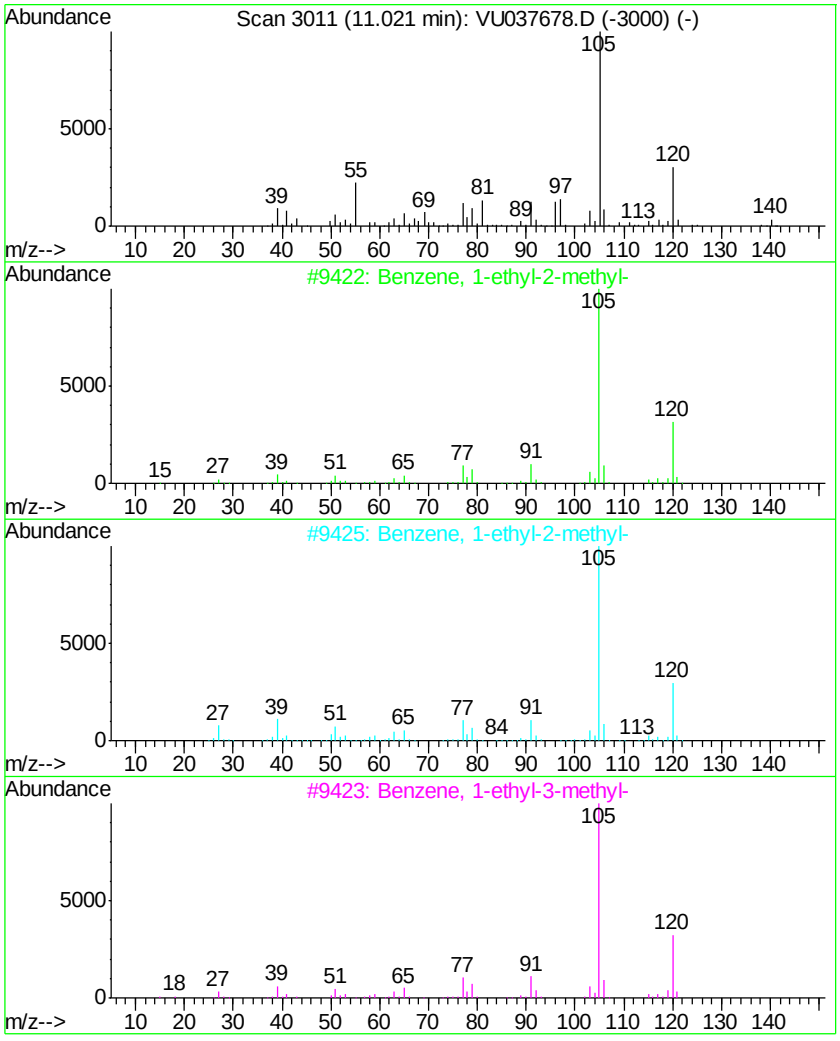
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

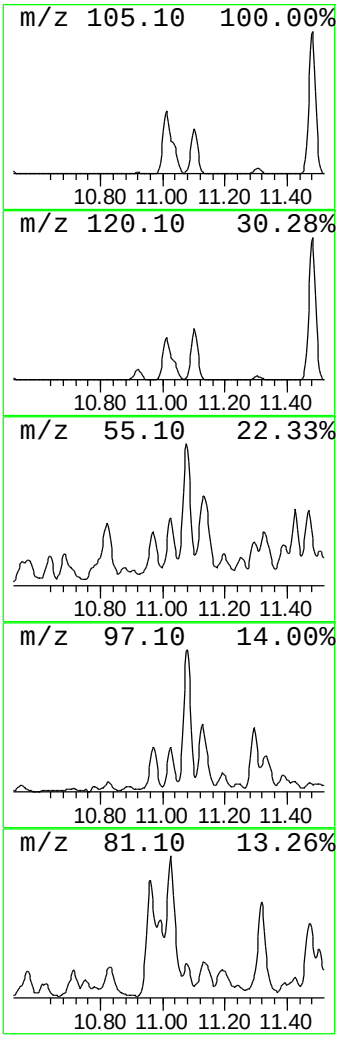
**********

Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.02 | 9.93 ug/L | 492609 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 2 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 93 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 93 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 87 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

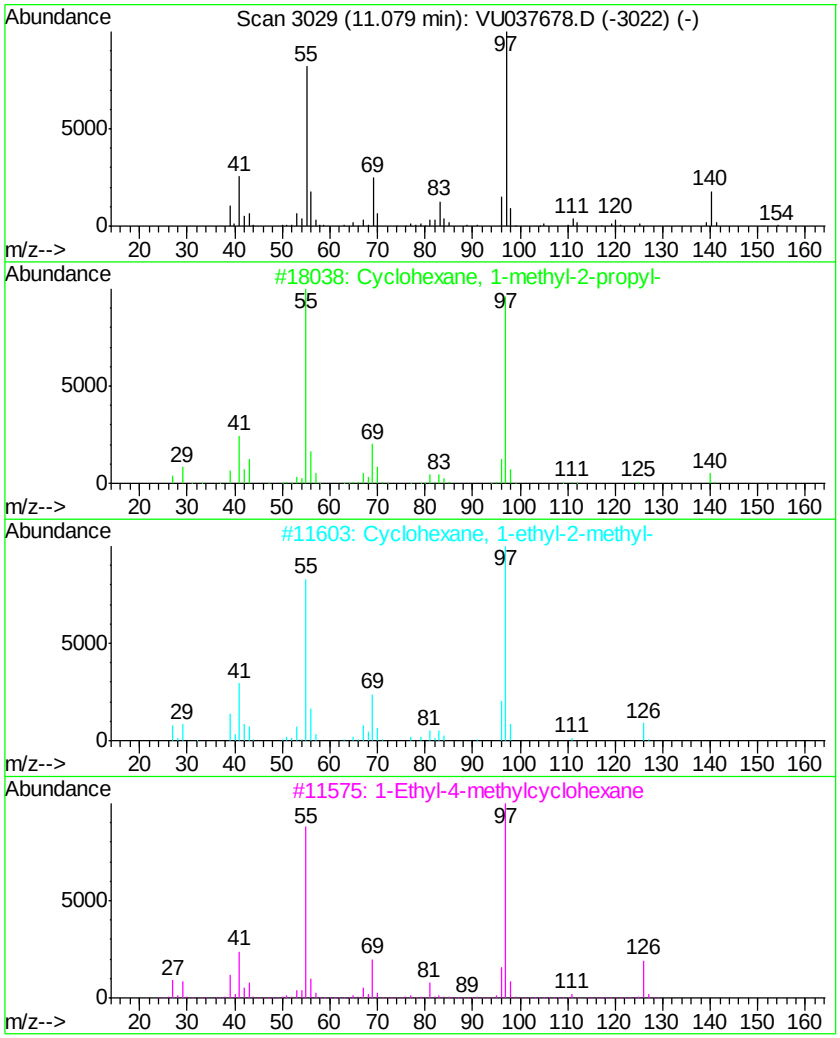
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

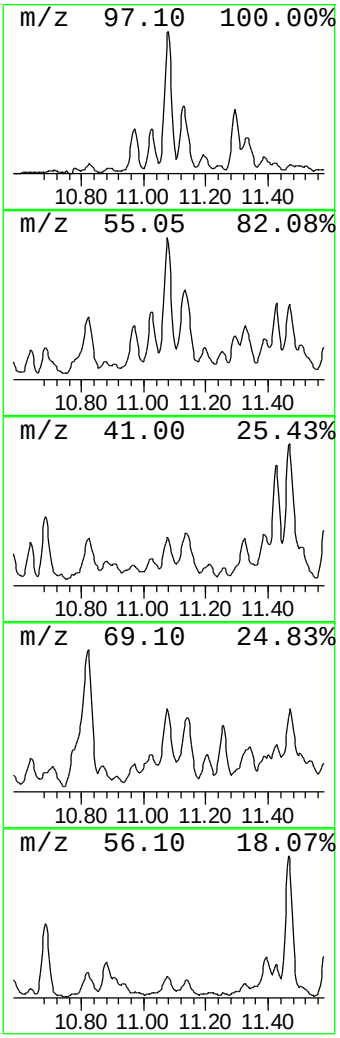
**********

Peak Number 13 (DEL) Alkane: Cyclic11.08 Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.08 | 3.22 ug/L | 160020 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-methyl-2-propyl- | 140 | C10H20 | 004291-79-6 | 86 |
| 2 | Cyclohexane, 1-ethyl-2-methyl- | 126 | C9H18 | 003728-54-9 | 72 |
| 3 | 1-Ethyl-4-methylcyclohexane | 126 | C9H18 | 003728-56-1 | 64 |
| 4 | Semustine | 247 | C10H18ClN3O2 | 013909-09-6 | 59 |
| 5 | Cyclohexane, 1-methyl-3-(1-methy... | 140 | C10H20 | 016580-24-8 | 59 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

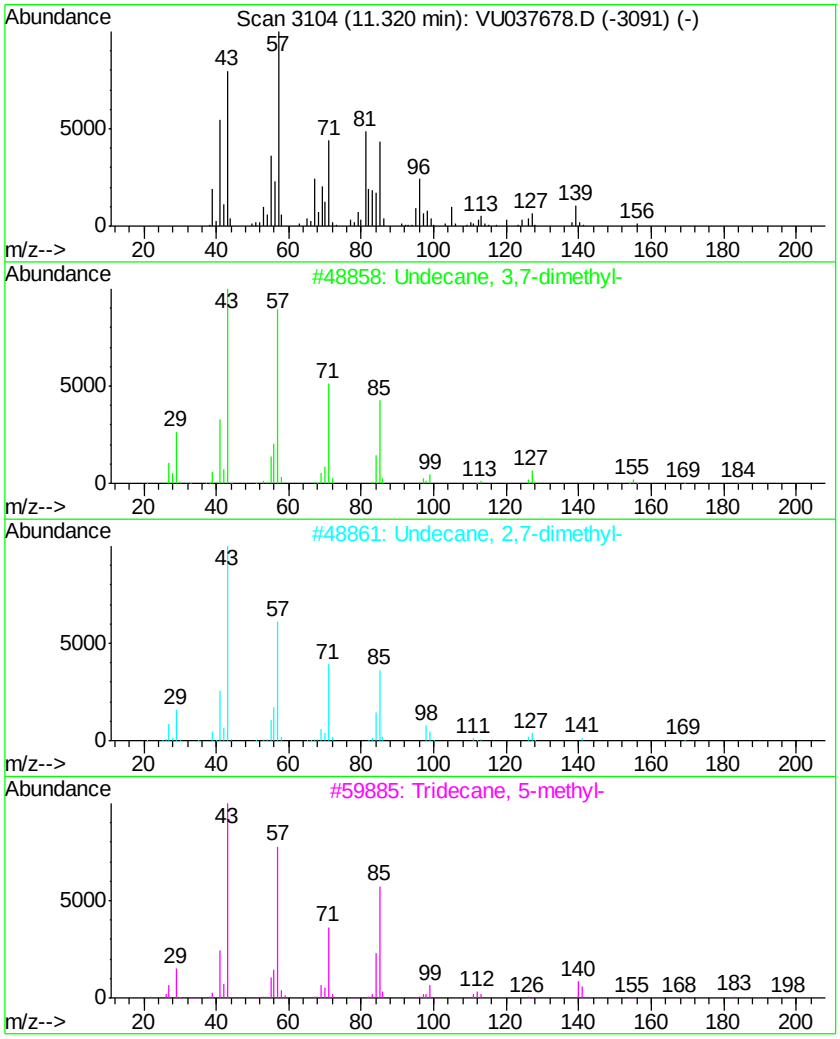
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

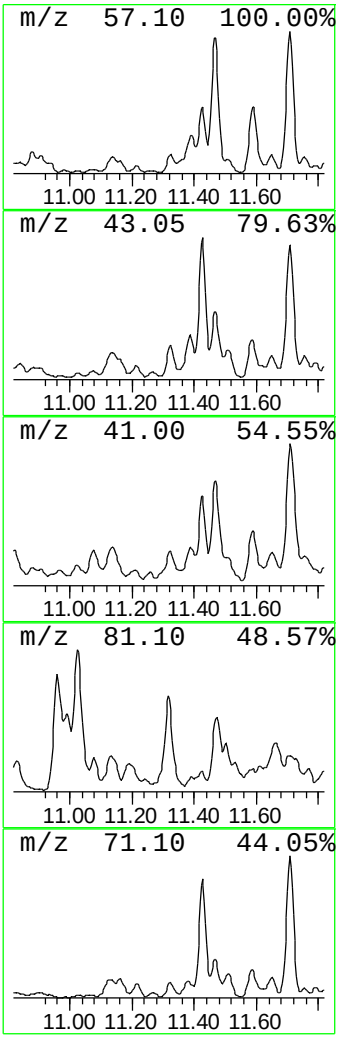
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.32 | 7.17 ug/L | 355670 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 3,7-dimethyl- | 184 | C13H28 | 017301-29-0 | 50 |
| 2 | Undecane, 2,7-dimethyl- | 184 | C13H28 | 017301-24-5 | 49 |
| 3 | Tridecane, 5-methyl- | 198 | C14H30 | 025117-31-1 | 47 |
| 4 | Decane, 4-ethyl- | 170 | C12H26 | 001636-44-8 | 43 |
| 5 | Cyclohexanol, 2-methyl- | 114 | C7H14O | 000583-59-5 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

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

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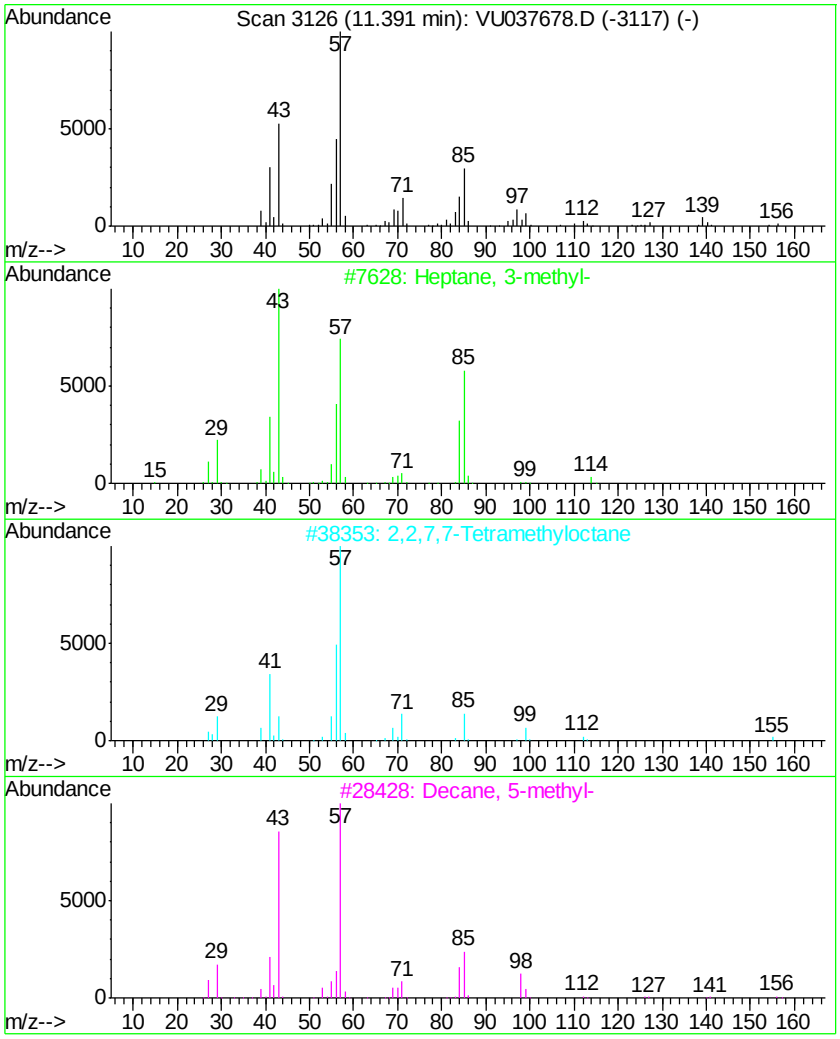
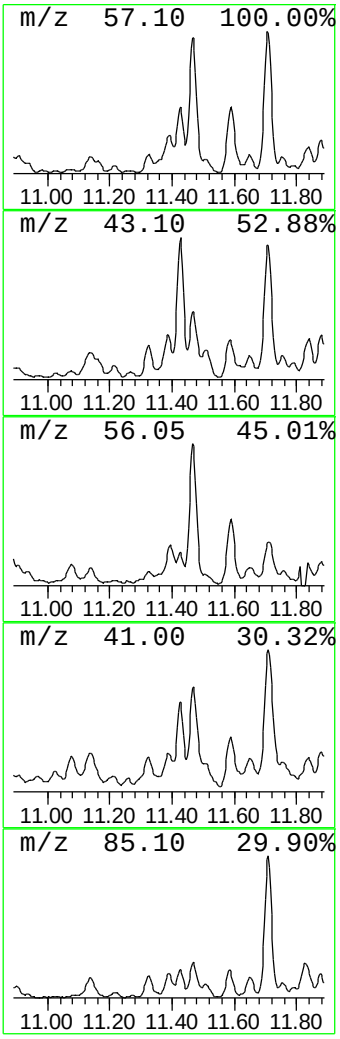
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.39 | 4.50 ug/L | 223427 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3-methyl- | 114 | C8H18 | 000589-81-1 | 59 |
| 2 | 2,2,7,7-Tetramethyloctane | 170 | C12H26 | 001071-31-4 | 53 |
| 3 | Decane, 5-methyl- | 156 | C11H24 | 013151-35-4 | 52 |
| 4 | Decane, 3-methyl- | 156 | C11H24 | 013151-34-3 | 50 |
| 5 | Hexane, 2,2,3,3-tetramethyl- | 142 | C10H22 | 013475-81-5 | 49 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

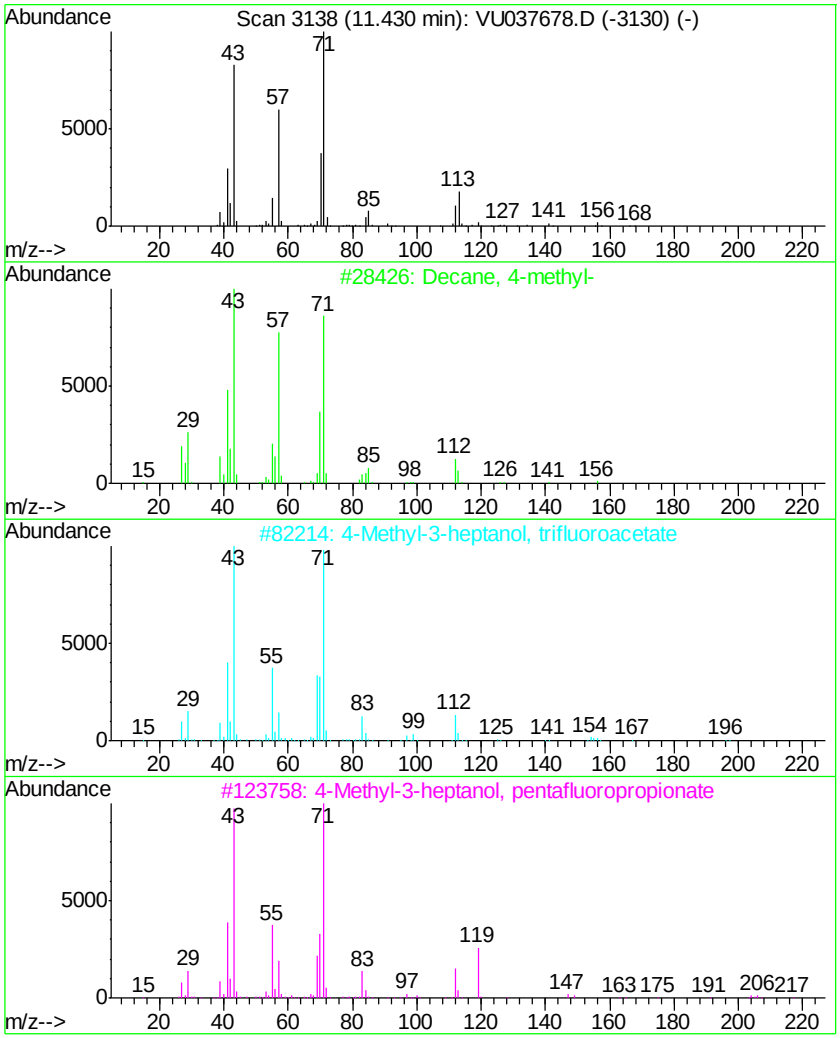
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

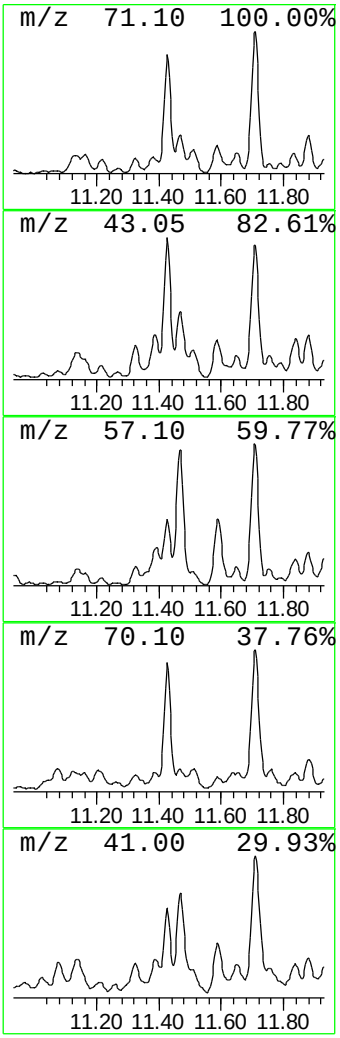
**********

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.43 | 12.28 ug/L | 609266 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 4-methyl- | 156 | C11H24 | 002847-72-5 | 91 |
| 2 | 4-Methyl-3-heptanol, trifluoroac... | 226 | C10H17F3O2 | 1000365-51-8 | 78 |
| 3 | 4-Methyl-3-heptanol, pentafluoro... | 276 | C11H17F5O2 | 1000365-51-7 | 78 |
| 4 | Heptane, 3,3,5-trimethyl- | 142 | C10H22 | 007154-80-5 | 72 |
| 5 | 2,2'-Bifuran, octahydro- | 142 | C8H14O2 | 001592-33-2 | 59 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

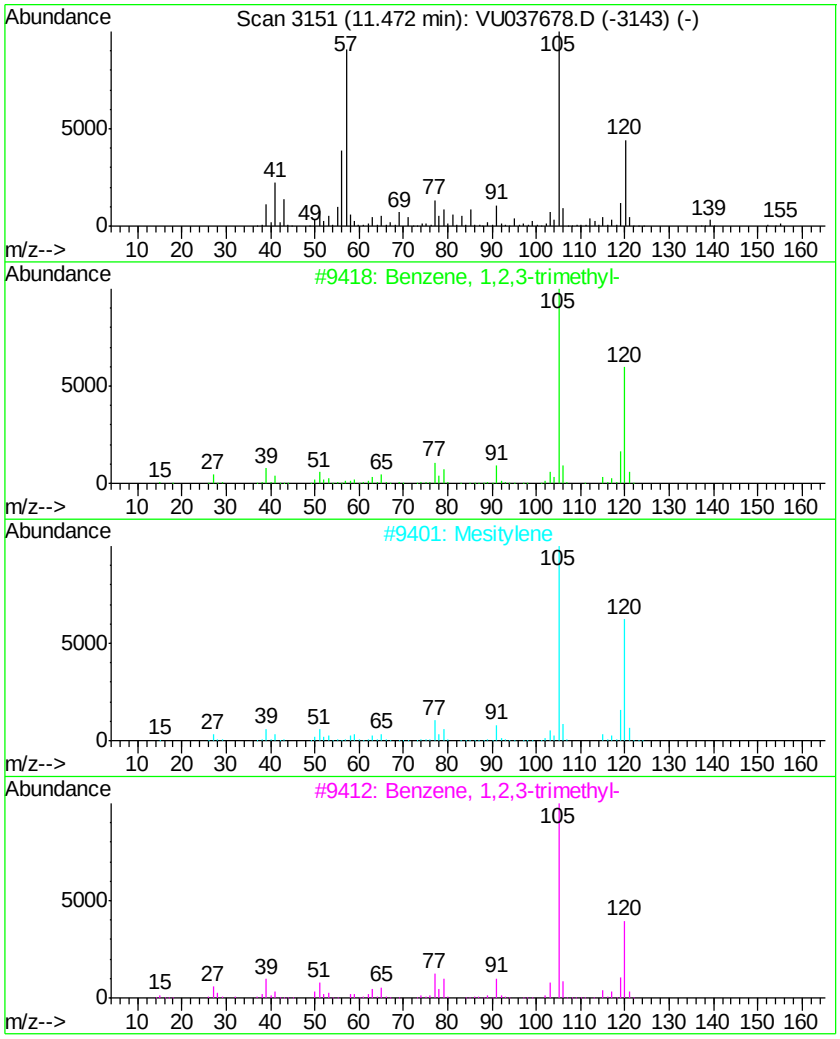
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

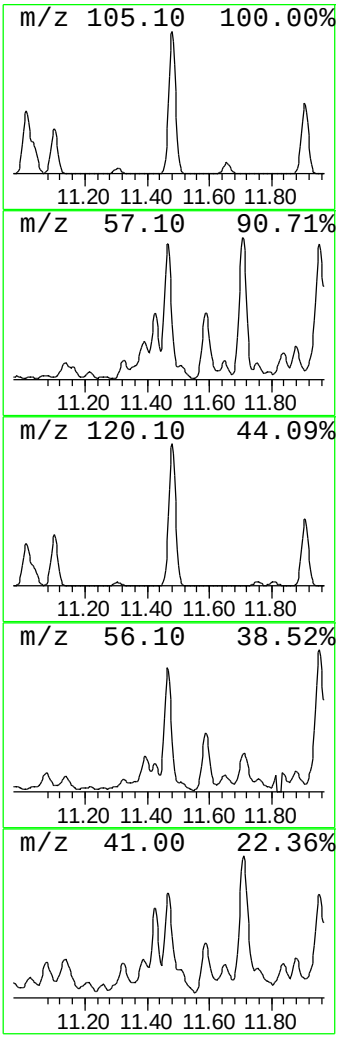
**********

Peak Number 17 Benzene, 1,2,3-trimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.47 | 39.21 ug/L | 1946050 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 4 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

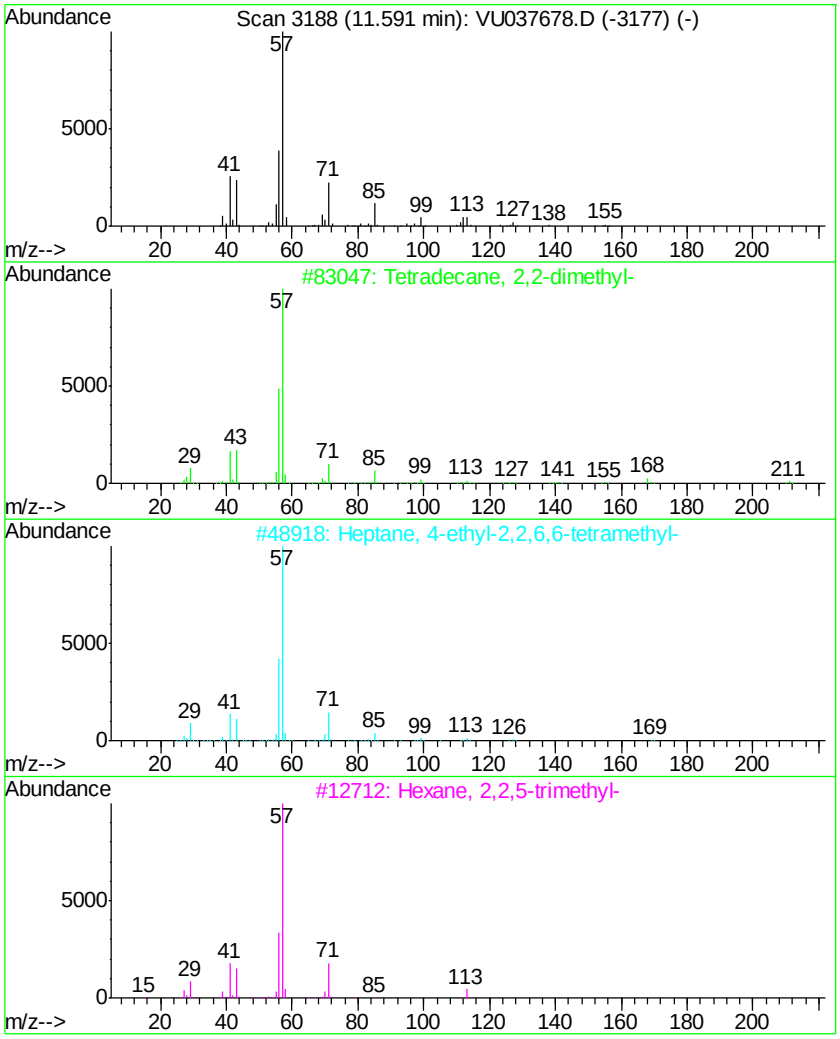
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

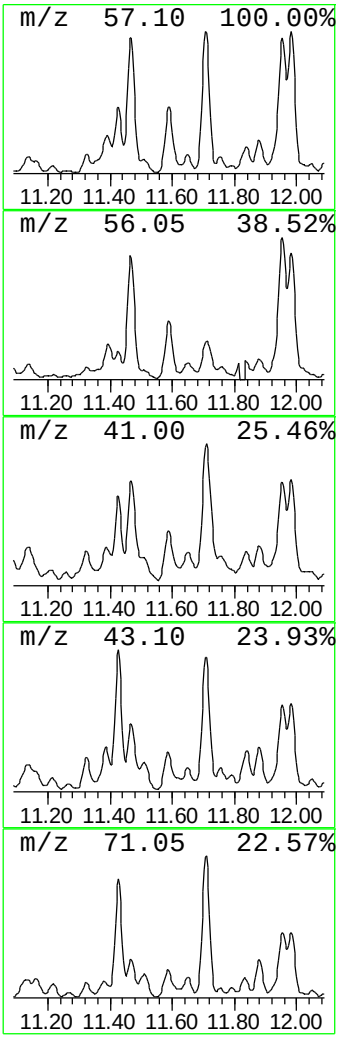
**********

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.59 | 9.78 ug/L | 485214 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane, 2,2-dimethyl- | 226 | C16H34 | 059222-86-5 | 64 |
| 2 | Heptane, 4-ethyl-2,2,6,6-tetrame... | 184 | C13H28 | 062108-31-0 | 59 |
| 3 | Hexane, 2,2,5-trimethyl- | 128 | C9H20 | 003522-94-9 | 59 |
| 4 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 53 |
| 5 | Heptane, 2,2-dimethyl- | 128 | C9H20 | 001071-26-7 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

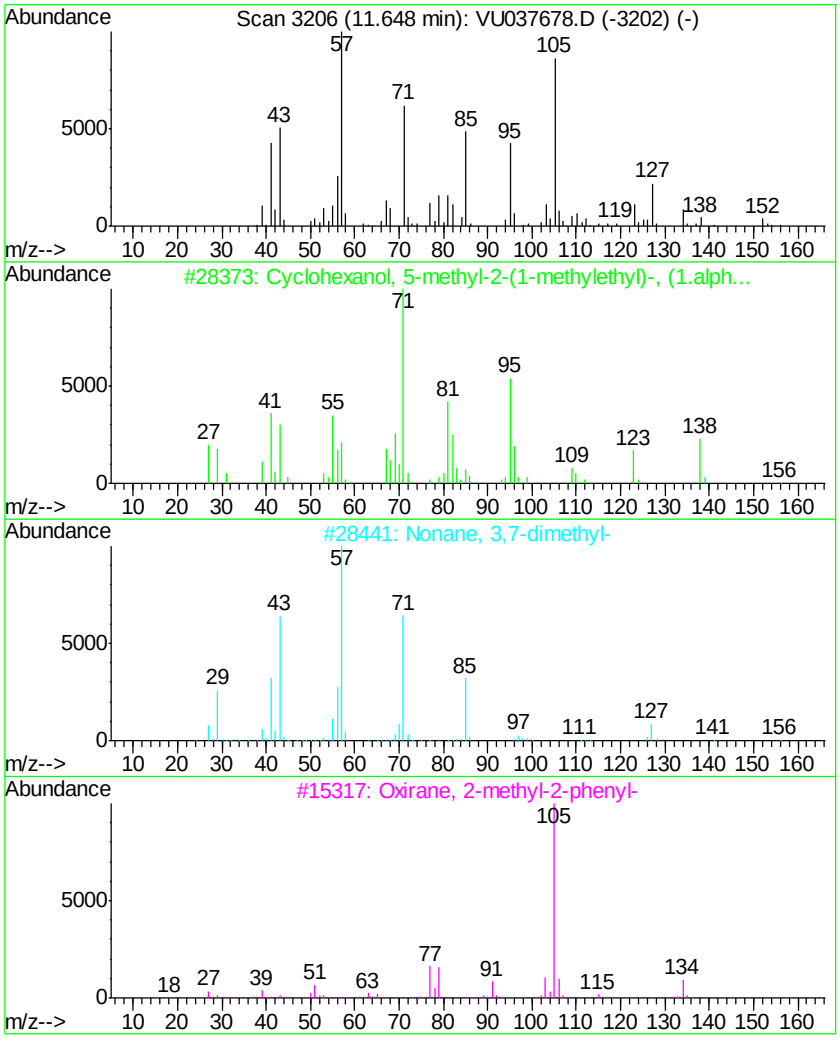
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

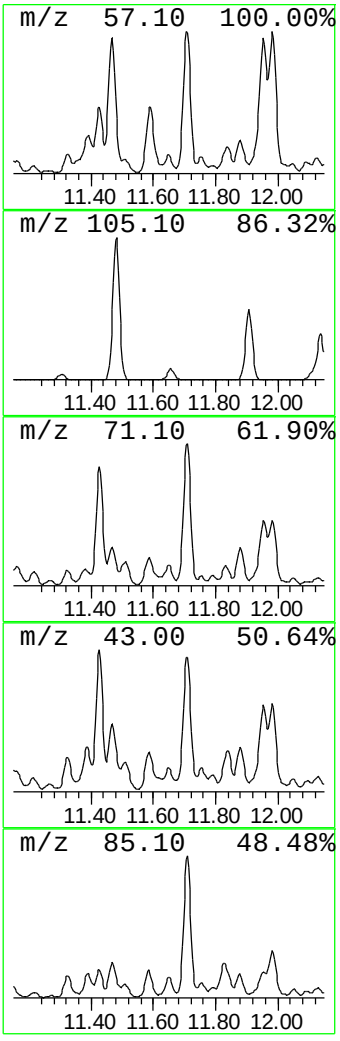
**********

Peak Number 19 unknown-01 Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.65 | 2.79 ug/L | 138504 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 000491-01-0 | 25 |
| 2 | Nonane, 3,7-dimethyl- | 156 | C11H24 | 017302-32-8 | 18 |
| 3 | Oxirane, 2-methyl-2-phenyl- | 134 | C9H10O | 002085-88-3 | 15 |
| 4 | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O | 000093-53-8 | 15 |
| 5 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 15 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

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

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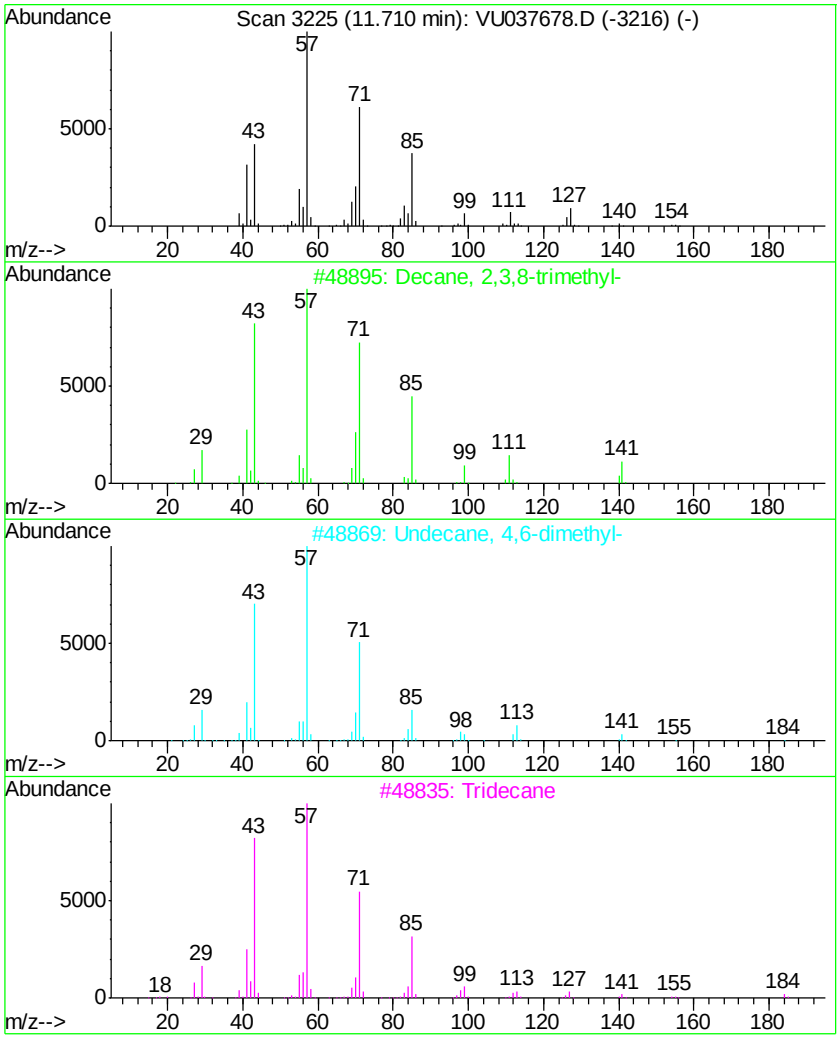
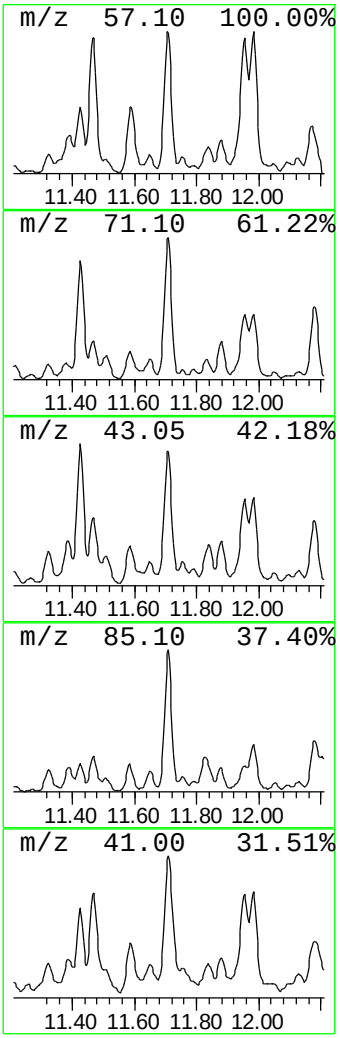
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.71 | 25.59 ug/L | 1269750 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 2,3,8-trimethyl- | 184 | C13H28 | 062238-14-6 | 64 |
| 2 | Undecane, 4,6-dimethyl- | 184 | C13H28 | 017312-82-2 | 59 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 59 |
| 4 | Oxalic acid, butyl 6-ethyloct-3-... | 286 | C16H30O4 | 1000309-34-2 | 59 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 53 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

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

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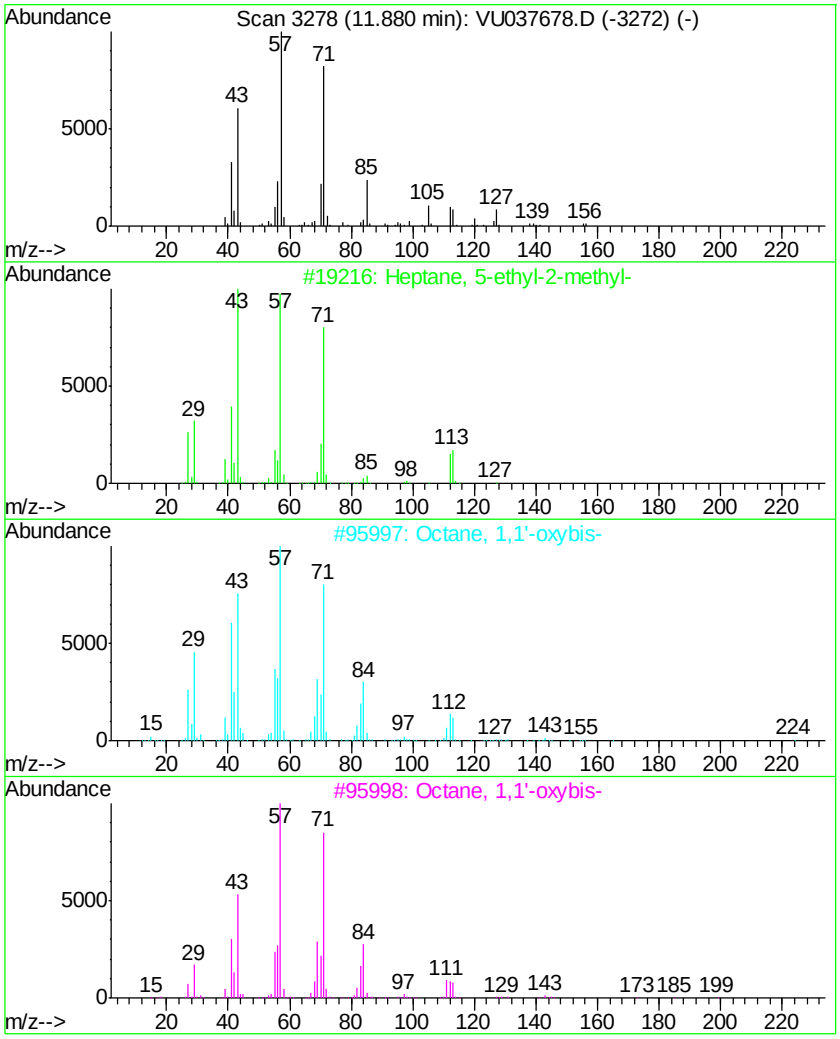
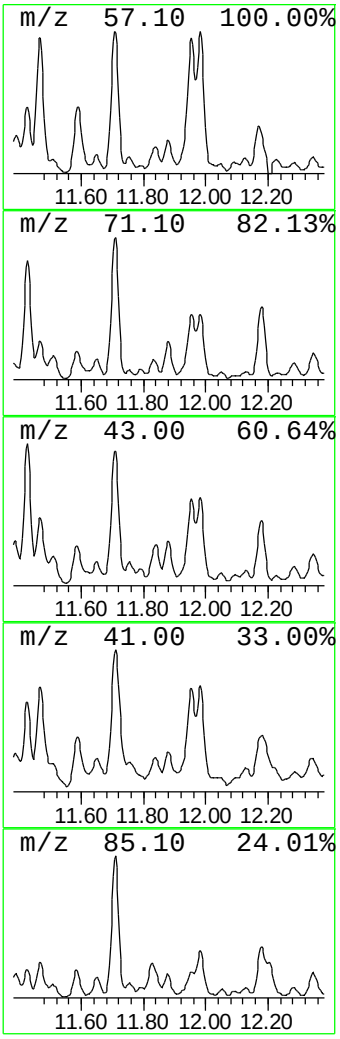
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.88 | 3.73 ug/L | 185100 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 5-ethyl-2-methyl- | 142 | C10H22 | 013475-78-0 | 64 |
| 2 | Octane, 1,1'-oxybis- | 242 | C16H34O | 000629-82-3 | 64 |
| 3 | Octane, 1,1'-oxybis- | 242 | C16H34O | 000629-82-3 | 64 |
| 4 | Decane, 3,7-dimethyl- | 170 | C12H26 | 017312-54-8 | 59 |
| 5 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

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

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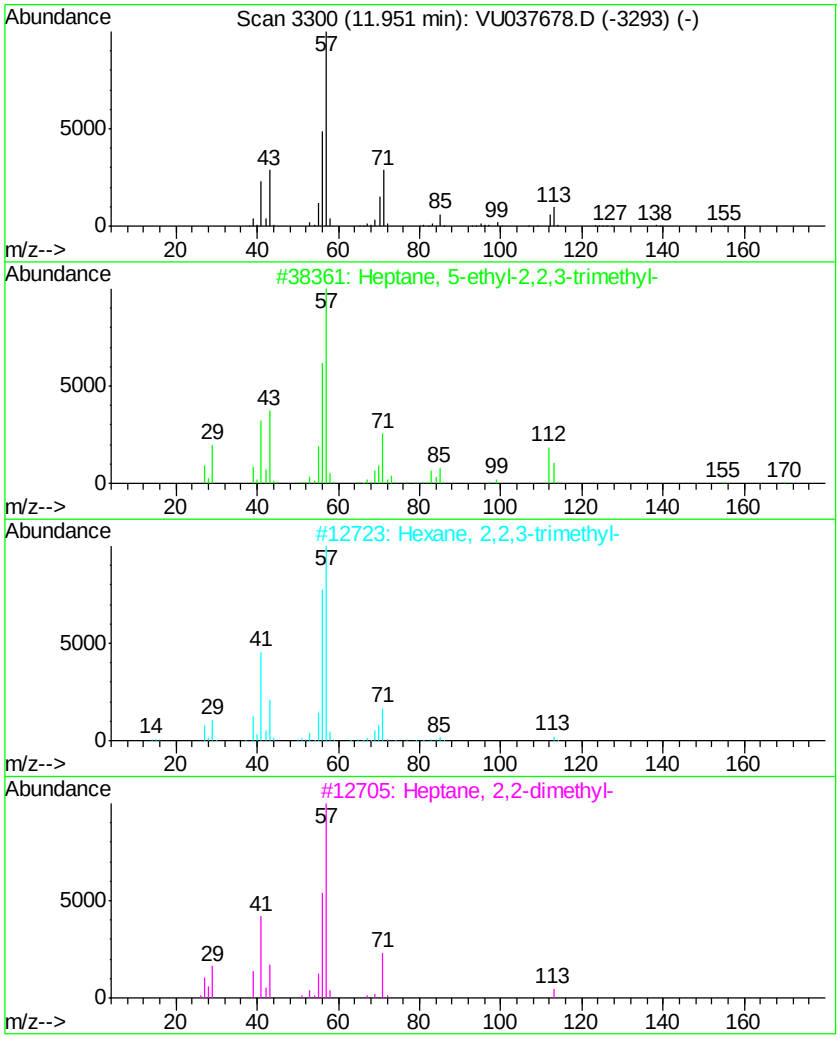
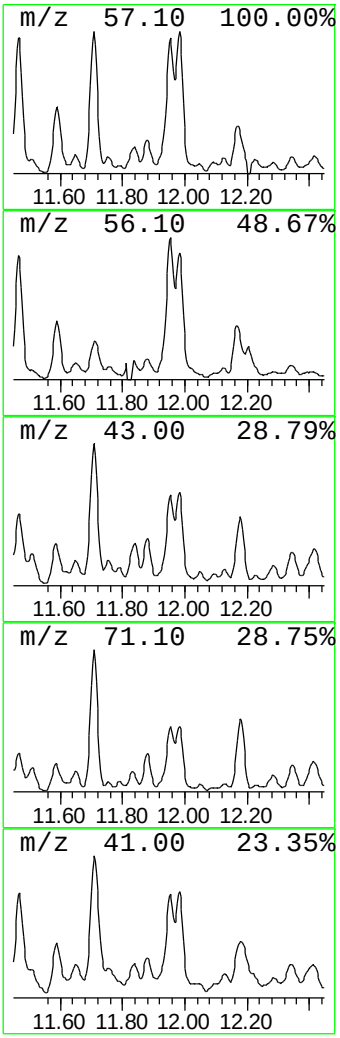
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.95 | 16.18 ug/L | 803161 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 5-ethyl-2,2,3-trimethyl- | 170 | C12H26 | 062199-06-8 | 74 |
| 2 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 59 |
| 3 | Heptane, 2,2-dimethyl- | 128 | C9H20 | 001071-26-7 | 59 |
| 4 | Hexane, 2,2,5,5-tetramethyl- | 142 | C10H22 | 001071-81-4 | 53 |
| 5 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

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

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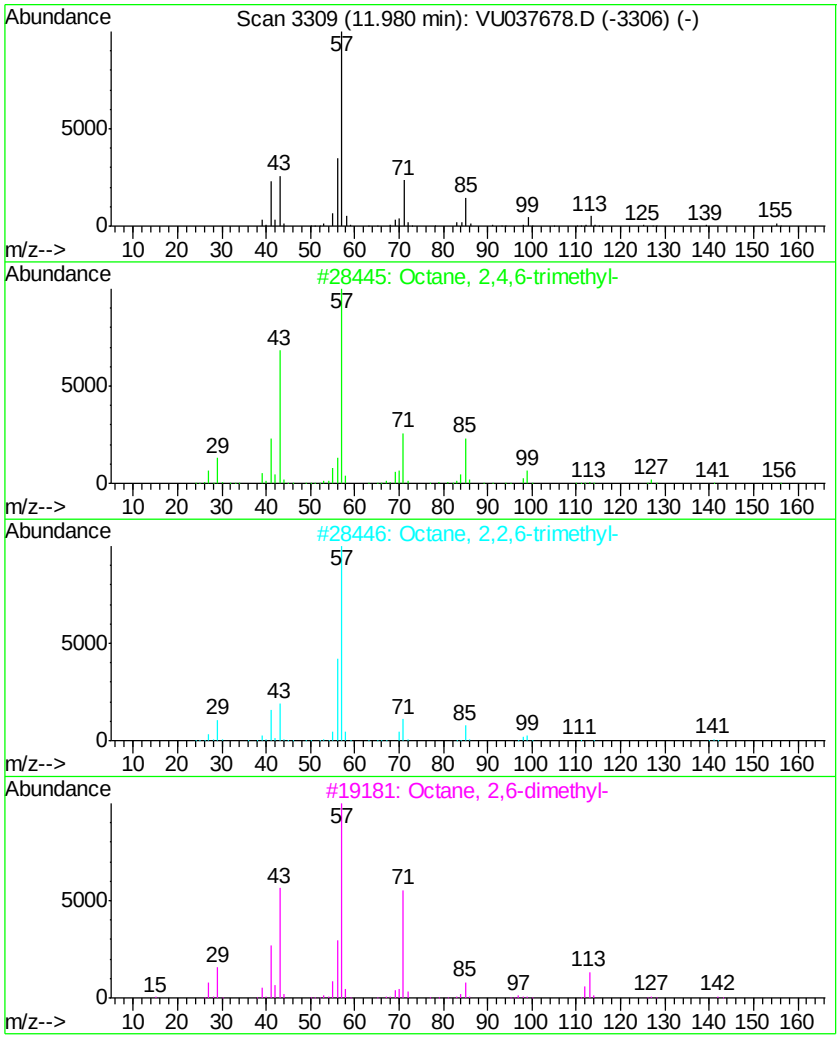
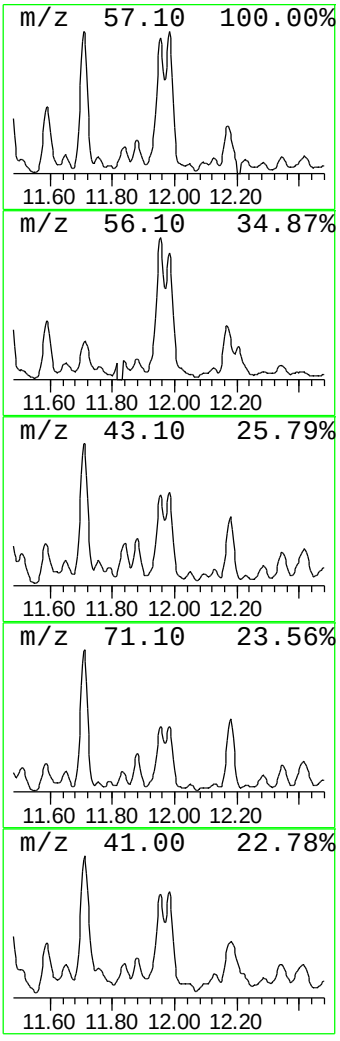
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.98 | 14.47 ug/L | 717946 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 59 |
| 2 | Octane, 2,2,6-trimethyl- | 156 | C11H24 | 062016-28-8 | 59 |
| 3 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 59 |
| 4 | Hexane, 2,2,5-trimethyl- | 128 | C9H20 | 003522-94-9 | 59 |
| 5 | Decane, 2,2,5-trimethyl- | 184 | C13H28 | 062237-96-1 | 59 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

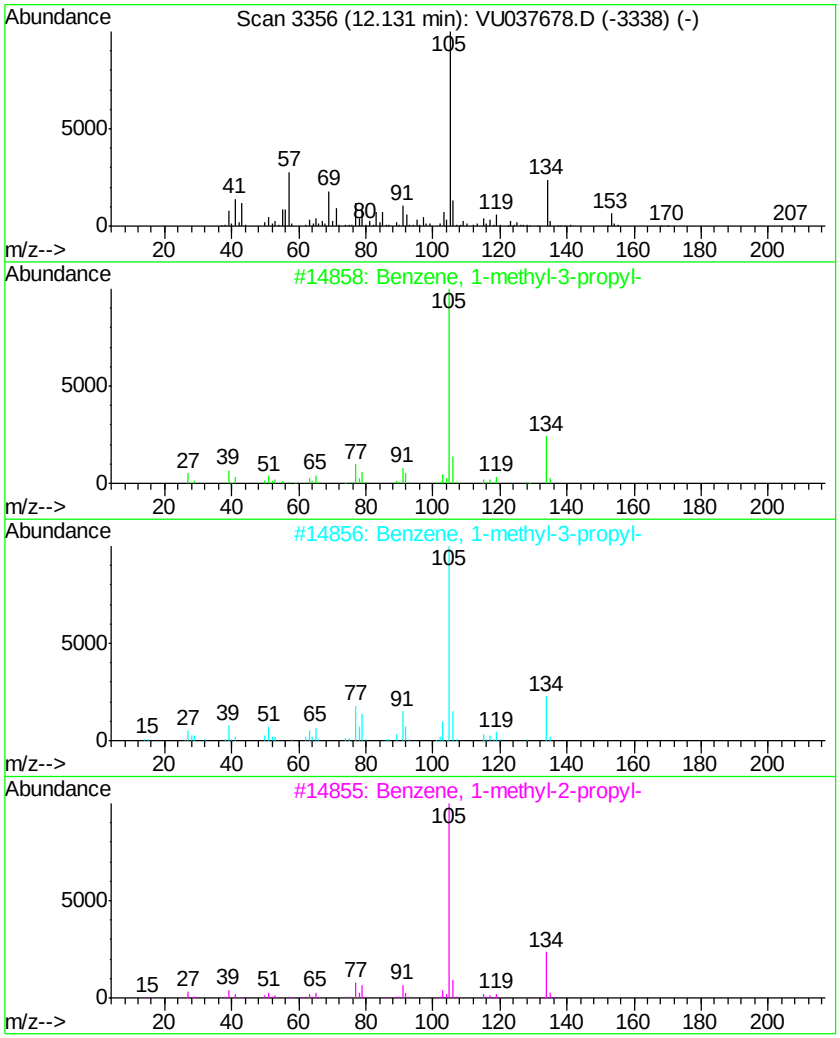
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

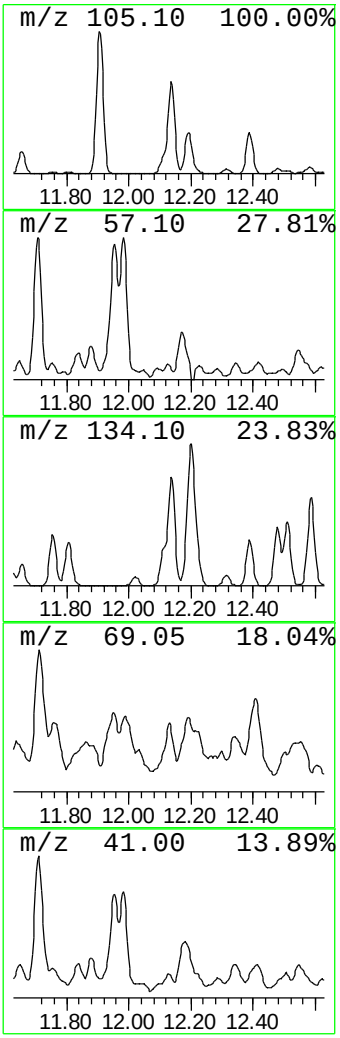
**********

Peak Number 25 Benzene, 1-methyl-3-propyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.13 | 11.11 ug/L | 551521 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 94 |
| 2 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 93 |
| 3 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 93 |
| 4 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 93 |
| 5 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 76 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

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

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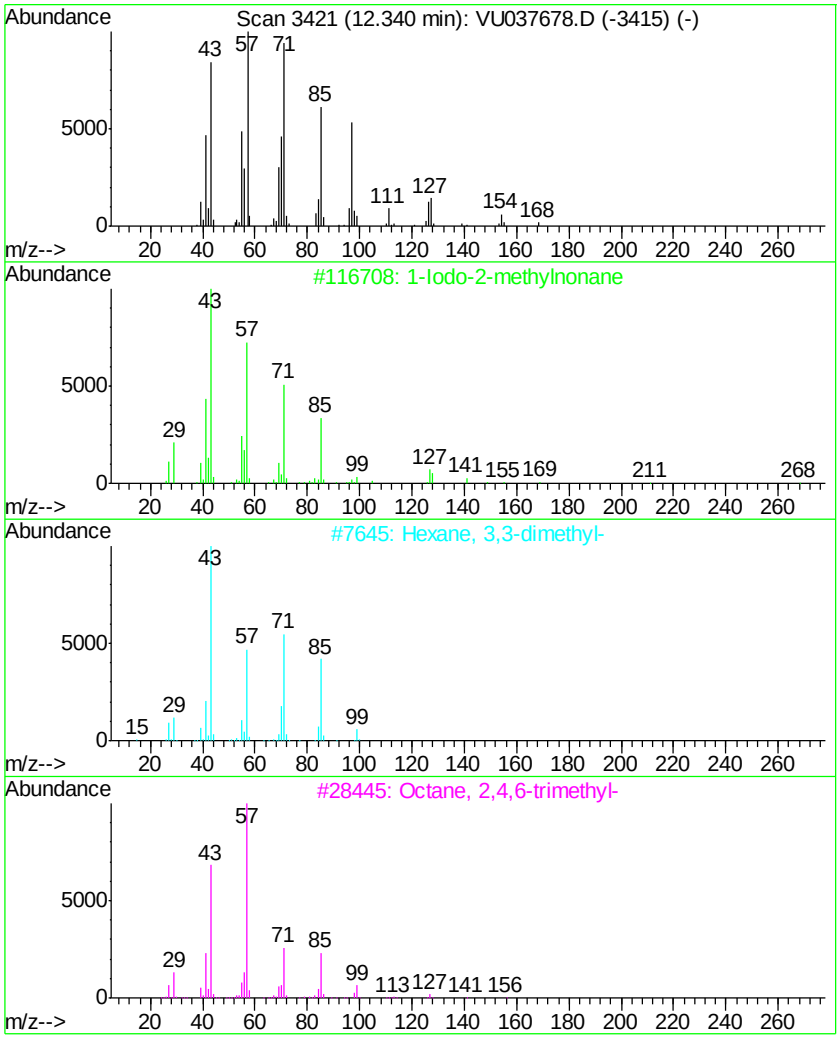
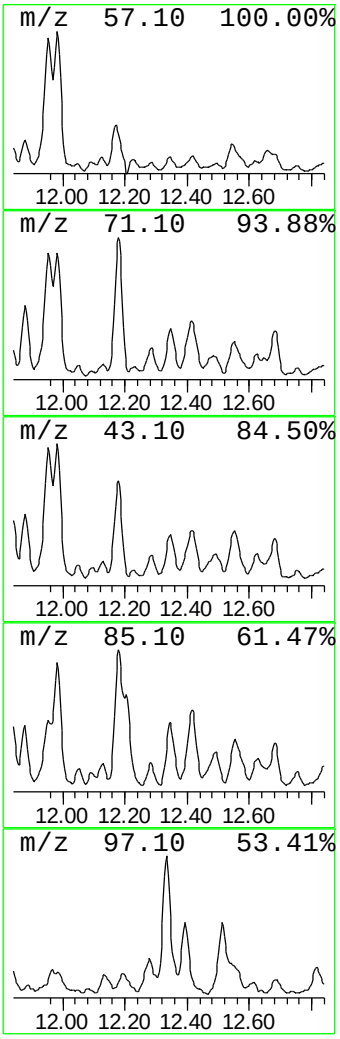
Peak Number 26 1-Iodo-2-methylnonane Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.34 | 3.59 ug/L | 177960 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Iodo-2-methylnonane | 268 | C10H21I | 1000101-47-9 | 50 |
| 2 | Hexane, 3,3-dimethyl- | 114 | C8H18 | 000563-16-6 | 47 |
| 3 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 47 |
| 4 | 2,3-Dimethyldodecane | 198 | C14H30 | 006117-98-2 | 47 |
| 5 | Decane, 4-methyl- | 156 | C11H24 | 002847-72-5 | 43 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

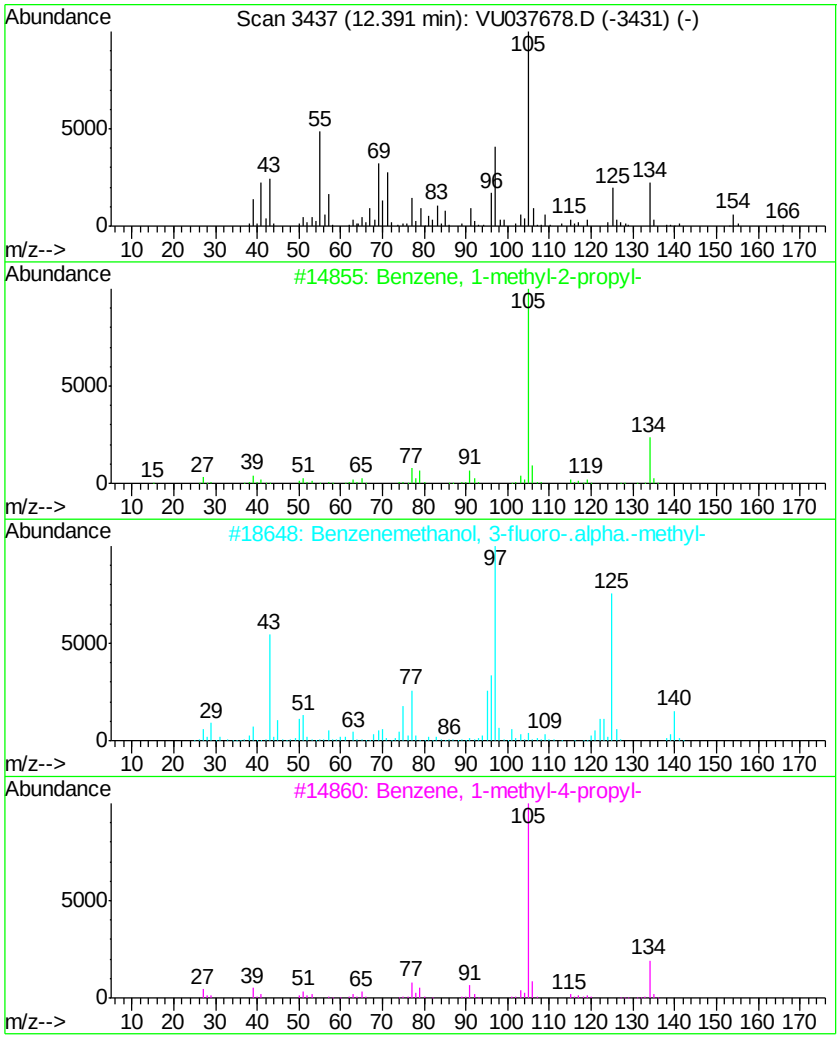
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

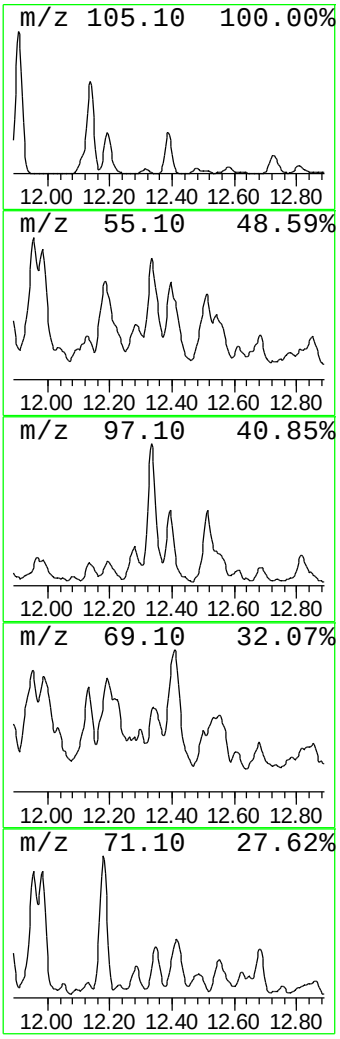
**********

Peak Number 27 Benzene, 1-methyl-2-propyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.39 | 8.89 ug/L | 441191 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 53 |
| 2 | Benzenemethanol, 3-fluoro-.alpha... | 140 | C8H9FO | 000402-63-1 | 35 |
| 3 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 25 |
| 4 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 25 |
| 5 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 25 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

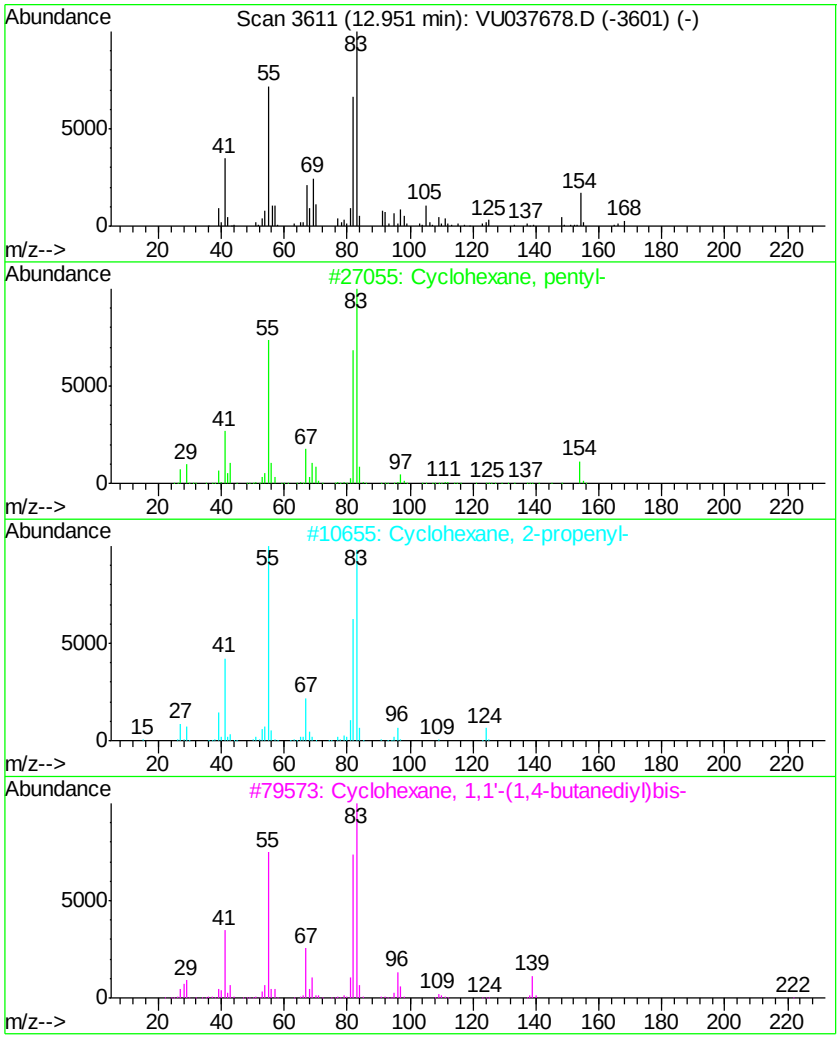
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

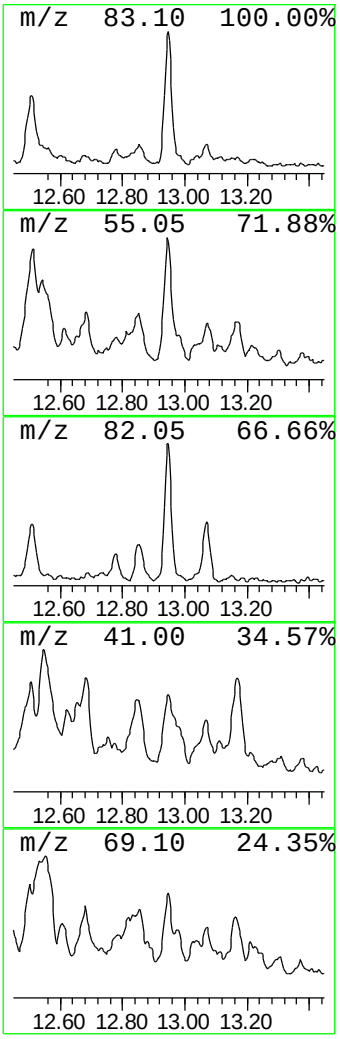
**********

Peak Number 28 (DEL) Alkane: Cyclic12.95 Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.95 | 3.44 ug/L | 170916 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 83 |
| 2 | Cyclohexane, 2-propenyl- | 124 | C9H16 | 002114-42-3 | 72 |
| 3 | Cyclohexane, 1,1'-(1,4-butanediy... | 222 | C16H30 | 006165-44-2 | 72 |
| 4 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 64 |
| 5 | Cyclohexane, 2-propenyl- | 124 | C9H16 | 002114-42-3 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

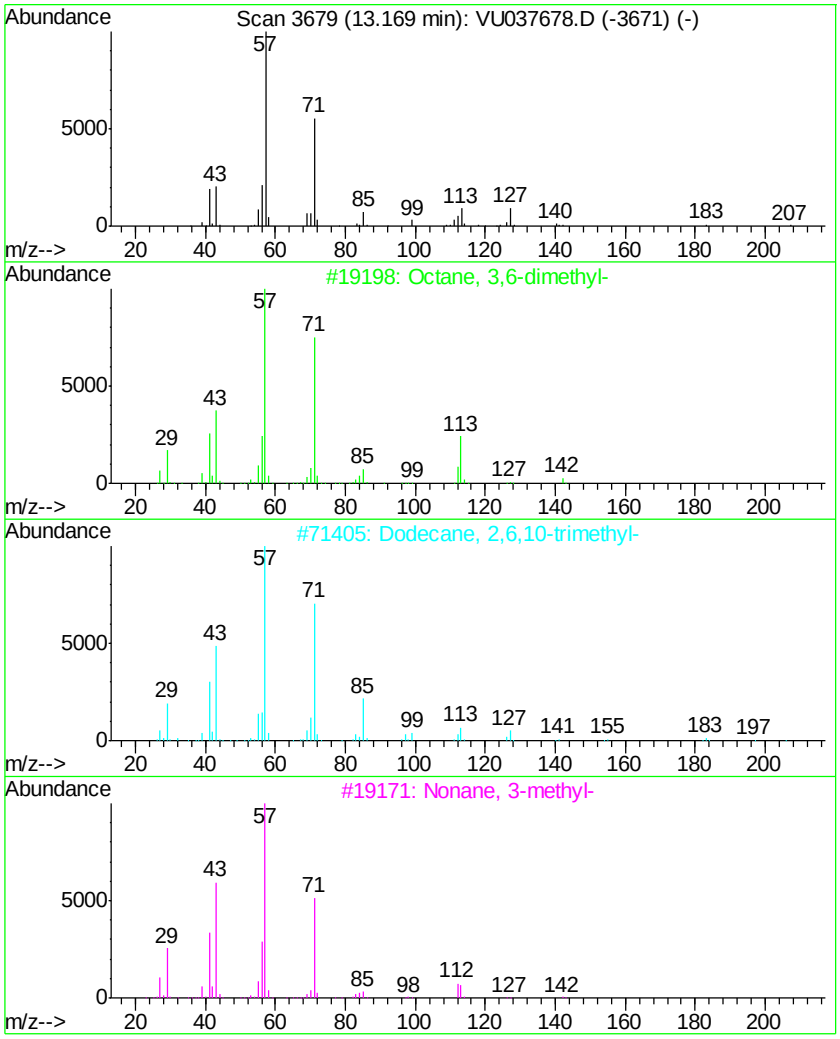
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

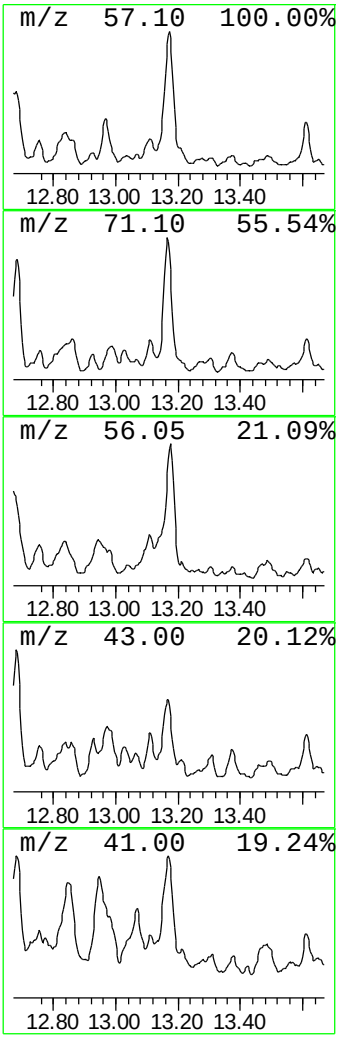
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.17 | 4.30 ug/L | 213455 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 80 |
| 2 | Dodecane, 2,6,10-trimethyl- | 212 | C15H32 | 003891-98-3 | 72 |
| 3 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 72 |
| 4 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 64 |
| 5 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

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

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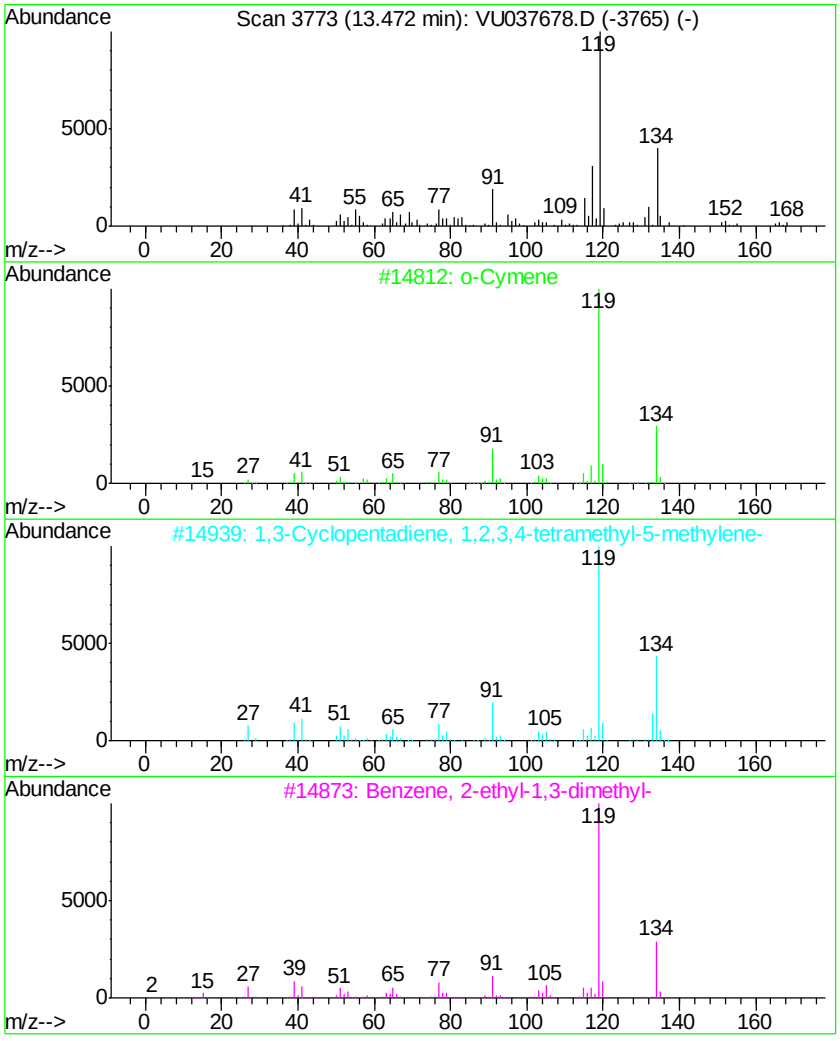
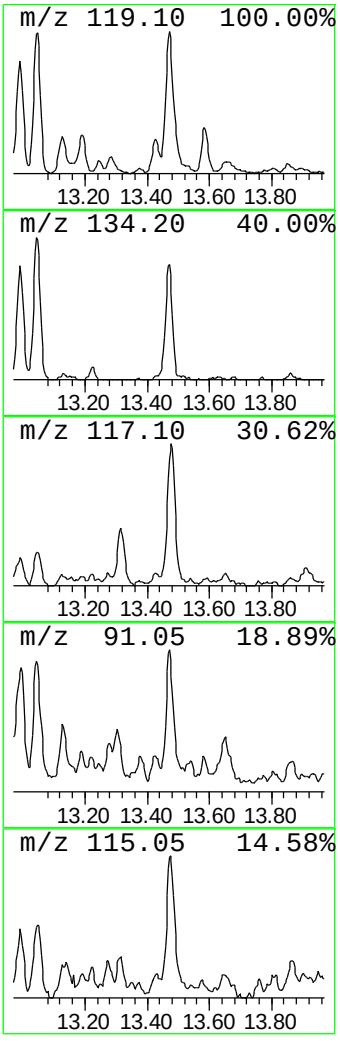
Peak Number 30 o-Cymene Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.47 | 3.94 ug/L | 195427 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 76 |
| 2 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 74 |
| 3 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 72 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 72 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 72 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037678.D
Acq On : 10 Apr 2020 17:12
Operator : JC/MD
Sample : L2176-07MEDL 4X
Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J3MEDL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.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 |
| 2-Chloroethyl met... | 1.84 | 2.9 | ug/L | 101482 | 1 | 6.28 | 1776480 | 50.0 |
| (DEL) Alkane: Str... | 9.35 | 3.2 | ug/L | 142865 | 2 | 9.44 | 2246490 | 50.0 |
| (DEL) Alkane: Str... | 10.03 | 6.0 | ug/L | 271810 | 2 | 9.44 | 2246490 | 50.0 |
| (DEL) Alkane: Str... | 10.26 | 11.0 | ug/L | 492792 | 2 | 9.44 | 2246490 | 50.0 |
| (DEL) Alkane: Cyc... | 10.37 | 6.6 | ug/L | 296395 | 2 | 9.44 | 2246490 | 50.0 |
| (DEL) Alkane: Str... | 10.41 | 5.7 | ug/L | 254394 | 2 | 9.44 | 2246490 | 50.0 |
| (DEL) Alkane: Str... | 10.57 | 7.5 | ug/L | 337476 | 2 | 9.44 | 2246490 | 50.0 |
| (DEL) Alkane: Str... | 10.64 | 3.7 | ug/L | 183012 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Str... | 10.68 | 7.7 | ug/L | 381304 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Cyc... | 10.82 | 5.4 | ug/L | 265914 | 3 | 11.83 | 2481400 | 50.0 |
| Benzene, 1-ethyl-... | 11.02 | 9.9 | ug/L | 492609 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Cyc... | 11.08 | 3.2 | ug/L | 160020 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Str... | 11.32 | 7.2 | ug/L | 355670 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Str... | 11.39 | 4.5 | ug/L | 223427 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Str... | 11.43 | 12.3 | ug/L | 609266 | 3 | 11.83 | 2481400 | 50.0 |
| Benzene, 1,2,3-tr... | 11.47 | 39.2 | ug/L | 1946050 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Str... | 11.59 | 9.8 | ug/L | 485214 | 3 | 11.83 | 2481400 | 50.0 |
| unknown-01 | 11.65 | 2.8 | ug/L | 138504 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Str... | 11.71 | 25.6 | ug/L | 1269750 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Str... | 11.88 | 3.7 | ug/L | 185100 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Str... | 11.95 | 16.2 | ug/L | 803161 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Str... | 11.98 | 14.5 | ug/L | 717946 | 3 | 11.83 | 2481400 | 50.0 |
| Benzene, 1-methyl... | 12.13 | 11.1 | ug/L | 551521 | 3 | 11.83 | 2481400 | 50.0 |
| 1-Iodo-2-methylno... | 12.34 | 3.6 | ug/L | 177960 | 3 | 11.83 | 2481400 | 50.0 |
| Benzene, 1-methyl... | 12.39 | 8.9 | ug/L | 441191 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Cyc... | 12.95 | 3.4 | ug/L | 170916 | 3 | 11.83 | 2481400 | 50.0 |
| (DEL) Alkane: Str... | 13.17 | 4.3 | ug/L | 213455 | 3 | 11.83 | 2481400 | 50.0 |
| o-Cymene | 13.47 | 3.9 | ug/L | 195427 | 3 | 11.83 | 2481400 | 50.0 |