LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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 | 1.607 | 75 | 83 | 94 | rBV | 264882 | 313074 | 1.04% | 0.059% |
| 2 | 1.884 | 163 | 169 | 178 | rBV | 184937 | 204766 | 0.68% | 0.038% |
| 3 | 2.552 | 364 | 377 | 391 | rBV | 413357 | 681862 | 2.26% | 0.128% |
| 4 | 4.681 | 1021 | 1039 | 1079 | rVB2 | 194573 | 657416 | 2.18% | 0.123% |
| 5 | 5.096 | 1150 | 1168 | 1200 | rBV | 364513 | 890001 | 2.95% | 0.167% |
| 6 | 5.481 | 1275 | 1288 | 1309 | rVB2 | 102710 | 233805 | 0.77% | 0.044% |
| 7 | 5.752 | 1353 | 1372 | 1393 | rVV2 | 911301 | 2274907 | 7.54% | 0.427% |
| 8 | 5.871 | 1393 | 1409 | 1420 | rVV | 204896 | 425079 | 1.41% | 0.080% |
| 9 | 5.941 | 1420 | 1431 | 1441 | rVV2 | 151893 | 313467 | 1.04% | 0.059% |
| 10 | 6.009 | 1441 | 1452 | 1474 | rVB | 227758 | 483787 | 1.60% | 0.091% |
| 11 | 6.276 | 1519 | 1535 | 1557 | rBV | 789702 | 1560170 | 5.17% | 0.293% |
| 12 | 6.629 | 1632 | 1645 | 1658 | rVB | 121000 | 232187 | 0.77% | 0.044% |
| 13 | 6.719 | 1658 | 1673 | 1678 | rBV2 | 530260 | 1016961 | 3.37% | 0.191% |
| 14 | 6.780 | 1680 | 1692 | 1702 | rVV5 | 1086382 | 3013648 | 9.99% | 0.566% |
| 15 | 6.825 | 1702 | 1706 | 1715 | rVV | 400747 | 665237 | 2.20% | 0.125% |
| 16 | 6.887 | 1715 | 1725 | 1737 | rVV | 592236 | 1130290 | 3.75% | 0.212% |
| 17 | 7.002 | 1751 | 1761 | 1772 | rVV | 127529 | 234194 | 0.78% | 0.044% |
| 18 | 7.092 | 1772 | 1789 | 1805 | rVB2 | 909556 | 1985808 | 6.58% | 0.373% |
| 19 | 7.256 | 1819 | 1840 | 1863 | rVB3 | 1062777 | 2143173 | 7.10% | 0.402% |
| 20 | 7.446 | 1889 | 1899 | 1907 | rBV | 502829 | 848546 | 2.81% | 0.159% |
| 21 | 7.494 | 1907 | 1914 | 1928 | rVB | 284277 | 526978 | 1.75% | 0.099% |
| 22 | 7.600 | 1928 | 1947 | 1955 | rBV3 | 501913 | 1285454 | 4.26% | 0.241% |
| 23 | 7.713 | 1970 | 1982 | 1991 | rBV | 598740 | 1027025 | 3.40% | 0.193% |
| 24 | 7.777 | 1991 | 2002 | 2017 | rVB5 | 265661 | 695930 | 2.31% | 0.131% |
| 25 | 7.877 | 2017 | 2033 | 2040 | rBV2 | 3750301 | 7530491 | 24.96% | 1.414% |
| 26 | 8.057 | 2073 | 2089 | 2100 | rBV3 | 873116 | 2522986 | 8.36% | 0.474% |
| 27 | 8.115 | 2101 | 2107 | 2121 | rVB | 941768 | 1620210 | 5.37% | 0.304% |
| 28 | 8.202 | 2121 | 2134 | 2140 | rBV3 | 335117 | 617959 | 2.05% | 0.116% |
| 29 | 8.260 | 2140 | 2152 | 2169 | rVB3 | 3348110 | 6569079 | 21.77% | 1.233% |
| 30 | 8.388 | 2169 | 2192 | 2202 | rBV | 1339904 | 2507414 | 8.31% | 0.471% |
| 31 | 8.452 | 2202 | 2212 | 2216 | rBV5 | 332125 | 583967 | 1.94% | 0.110% |
| 32 | 8.488 | 2217 | 2223 | 2233 | rVB | 614805 | 1034313 | 3.43% | 0.194% |
| 33 | 8.552 | 2233 | 2243 | 2257 | rVB3 | 1346617 | 2320026 | 7.69% | 0.435% |
| 34 | 8.655 | 2257 | 2275 | 2289 | rBV2 | 3139395 | 7111455 | 23.57% | 1.335% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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 | 8.777 | 2301 | 2313 | 2319 | rBV | 1979283 | 3429366 | 11.37% | 0.644% |
| 36 | 8.819 | 2320 | 2326 | 2337 | rVV8 | 1404429 | 3562359 | 11.81% | 0.669% |
| 37 | 8.883 | 2338 | 2346 | 2355 | rVV | 3361554 | 5812390 | 19.26% | 1.091% |
| 38 | 8.944 | 2355 | 2365 | 2374 | rVV | 5170553 | 9536919 | 31.61% | 1.790% |
| 39 | 8.989 | 2375 | 2379 | 2398 | rVB5 | 1344547 | 2745288 | 9.10% | 0.515% |
| 40 | 9.089 | 2399 | 2410 | 2417 | rBV | 1315188 | 2305831 | 7.64% | 0.433% |
| 41 | 9.137 | 2417 | 2425 | 2431 | rVV | 2804200 | 4340883 | 14.39% | 0.815% |
| 42 | 9.186 | 2431 | 2440 | 2452 | rVB2 | 4796832 | 8471848 | 28.08% | 1.590% |
| 43 | 9.346 | 2467 | 2490 | 2499 | rBV2 | 1318500 | 2740727 | 9.08% | 0.514% |
| 44 | 9.395 | 2500 | 2505 | 2510 | rBV3 | 117991 | 151053 | 0.50% | 0.028% |
| 45 | 9.443 | 2510 | 2520 | 2529 | rBV2 | 968678 | 1758139 | 5.83% | 0.330% |
| 46 | 9.494 | 2530 | 2536 | 2540 | rBV2 | 405803 | 501381 | 1.66% | 0.094% |
| 47 | 9.526 | 2541 | 2546 | 2553 | rVB | 730681 | 967242 | 3.21% | 0.182% |
| 48 | 9.578 | 2553 | 2562 | 2576 | rVB2 | 2152720 | 4090115 | 13.56% | 0.768% |
| 49 | 9.684 | 2576 | 2595 | 2602 | rBV6 | 2577993 | 6857076 | 22.73% | 1.287% |
| 50 | 9.735 | 2602 | 2611 | 2618 | rVV2 | 5629881 | 8132075 | 26.95% | 1.526% |
| 51 | 9.777 | 2618 | 2624 | 2648 | rVB2 | 4349292 | 8613743 | 28.55% | 1.617% |
| 52 | 9.906 | 2648 | 2664 | 2674 | rBV5 | 1883855 | 4573591 | 15.16% | 0.859% |
| 53 | 9.970 | 2675 | 2684 | 2693 | rBV2 | 953511 | 1772152 | 5.87% | 0.333% |
| 54 | 10.041 | 2693 | 2706 | 2718 | rBV4 | 7507099 | 21356734 | 70.78% | 4.009% |
| 55 | 10.137 | 2730 | 2736 | 2747 | rVB3 | 2860435 | 4127515 | 13.68% | 0.775% |
| 56 | 10.263 | 2759 | 2775 | 2791 | rBV4 | 10196195 | 29629596 | 98.20% | 5.562% |
| 57 | 10.330 | 2792 | 2796 | 2800 | rVV2 | 2655744 | 3662828 | 12.14% | 0.688% |
| 58 | 10.375 | 2800 | 2810 | 2816 | rVV3 | 13377822 | 26510315 | 87.86% | 4.976% |
| 59 | 10.411 | 2817 | 2821 | 2832 | rVV2 | 10281183 | 15354795 | 50.89% | 2.882% |
| 60 | 10.485 | 2833 | 2844 | 2856 | rVB6 | 2535420 | 6043349 | 20.03% | 1.134% |
| 61 | 10.571 | 2856 | 2871 | 2884 | rBV7 | 7802293 | 19898096 | 65.95% | 3.735% |
| 62 | 10.716 | 2906 | 2916 | 2929 | rBV4 | 3346365 | 8192982 | 27.15% | 1.538% |
| 63 | 10.784 | 2931 | 2937 | 2940 | rVV2 | 2434118 | 3628335 | 12.03% | 0.681% |
| 64 | 10.829 | 2943 | 2951 | 2971 | rVB8 | 8573456 | 18422446 | 61.06% | 3.458% |
| 65 | 10.922 | 2974 | 2980 | 2985 | rBV2 | 967324 | 1309002 | 4.34% | 0.246% |
| 66 | 10.970 | 2986 | 2995 | 3006 | rBV4 | 5102195 | 10586434 | 35.09% | 1.987% |
| 67 | 11.031 | 3007 | 3014 | 3022 | rVV5 | 5807524 | 10263536 | 34.02% | 1.927% |
| 68 | 11.079 | 3023 | 3029 | 3038 | rVV | 7356593 | 11044165 | 36.60% | 2.073% |
| 69 | 11.144 | 3040 | 3049 | 3059 | rVB6 | 6788727 | 13897272 | 46.06% | 2.609% |
| 70 | 11.205 | 3060 | 3068 | 3078 | rVB5 | 2440305 | 4805257 | 15.93% | 0.902% |
| 71 | 11.259 | 3079 | 3085 | 3090 | rBV2 | 1439372 | 1867612 | 6.19% | 0.351% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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 | 11.327 | 3091 | 3106 | 3118 | rBV6 | 6831269 | 15995355 | 53.01% | 3.002% |
| 73 | 11.391 | 3120 | 3126 | 3132 | rBV7 | 2366727 | 3373917 | 11.18% | 0.633% |
| 74 | 11.430 | 3132 | 3138 | 3146 | rVB | 6150790 | 8232372 | 27.28% | 1.545% |
| 75 | 11.478 | 3146 | 3153 | 3158 | rBV5 | 3301009 | 5492696 | 18.20% | 1.031% |
| 76 | 11.587 | 3180 | 3187 | 3191 | rBV | 2792299 | 4103843 | 13.60% | 0.770% |
| 77 | 11.729 | 3222 | 3231 | 3238 | rBV | 8089502 | 12057188 | 39.96% | 2.263% |
| 78 | 11.835 | 3257 | 3264 | 3276 | rBV8 | 2446373 | 4695713 | 15.56% | 0.881% |
| 79 | 11.944 | 3290 | 3298 | 3301 | rBV5 | 1745170 | 2826846 | 9.37% | 0.531% |
| 80 | 12.115 | 3341 | 3351 | 3363 | rBV4 | 5109615 | 9884294 | 32.76% | 1.855% |
| 81 | 12.201 | 3368 | 3378 | 3394 | rVV3 | 15053819 | 30171928 | 100.00% | 5.664% |
| 82 | 12.401 | 3434 | 3440 | 3454 | rVB6 | 4363410 | 9566352 | 31.71% | 1.796% |
| 83 | 12.690 | 3524 | 3530 | 3536 | rBV3 | 2149877 | 3469735 | 11.50% | 0.651% |
| 84 | 12.854 | 3572 | 3581 | 3598 | rVB8 | 7598960 | 17605397 | 58.35% | 3.305% |
| 85 | 12.951 | 3600 | 3611 | 3618 | rBV2 | 5949565 | 11126192 | 36.88% | 2.088% |
| 86 | 12.992 | 3619 | 3624 | 3634 | rVB | 5118147 | 7716079 | 25.57% | 1.448% |
| 87 | 13.073 | 3641 | 3649 | 3659 | rVB3 | 6412518 | 9859704 | 32.68% | 1.851% |
| 88 | 13.131 | 3661 | 3667 | 3684 | rVB6 | 2333816 | 4950609 | 16.41% | 0.929% |
| 89 | 13.224 | 3687 | 3696 | 3707 | rBV2 | 2550607 | 4745164 | 15.73% | 0.891% |
| 90 | 13.475 | 3766 | 3774 | 3792 | rVB4 | 5621768 | 10983553 | 36.40% | 2.062% |
| 91 | 13.619 | 3814 | 3819 | 3823 | rBV2 | 844925 | 1100469 | 3.65% | 0.207% |
| 92 | 13.767 | 3856 | 3865 | 3872 | rBV7 | 759798 | 1444963 | 4.79% | 0.271% |
| 93 | 13.864 | 3887 | 3895 | 3904 | rBV4 | 1257387 | 1931260 | 6.40% | 0.363% |
| 94 | 14.086 | 3952 | 3964 | 3976 | rBV5 | 1047368 | 2318705 | 7.68% | 0.435% |
| 95 | 14.150 | 3976 | 3984 | 3993 | rVB2 | 808238 | 1246613 | 4.13% | 0.234% |
| 96 | 14.703 | 4147 | 4156 | 4169 | rVB6 | 223501 | 464435 | 1.54% | 0.087% |
| 97 | 14.976 | 4235 | 4241 | 4257 | rVB6 | 92848 | 215779 | 0.72% | 0.041% |
| 98 | 15.060 | 4259 | 4267 | 4279 | rBV5 | 64794 | 149772 | 0.50% | 0.028% |
| 99 | 15.259 | 4317 | 4329 | 4338 | rBV | 295309 | 499618 | 1.66% | 0.094% |
| 100 | 15.449 | 4380 | 4388 | 4402 | rVB2 | 159124 | 288308 | 0.96% | 0.054% |

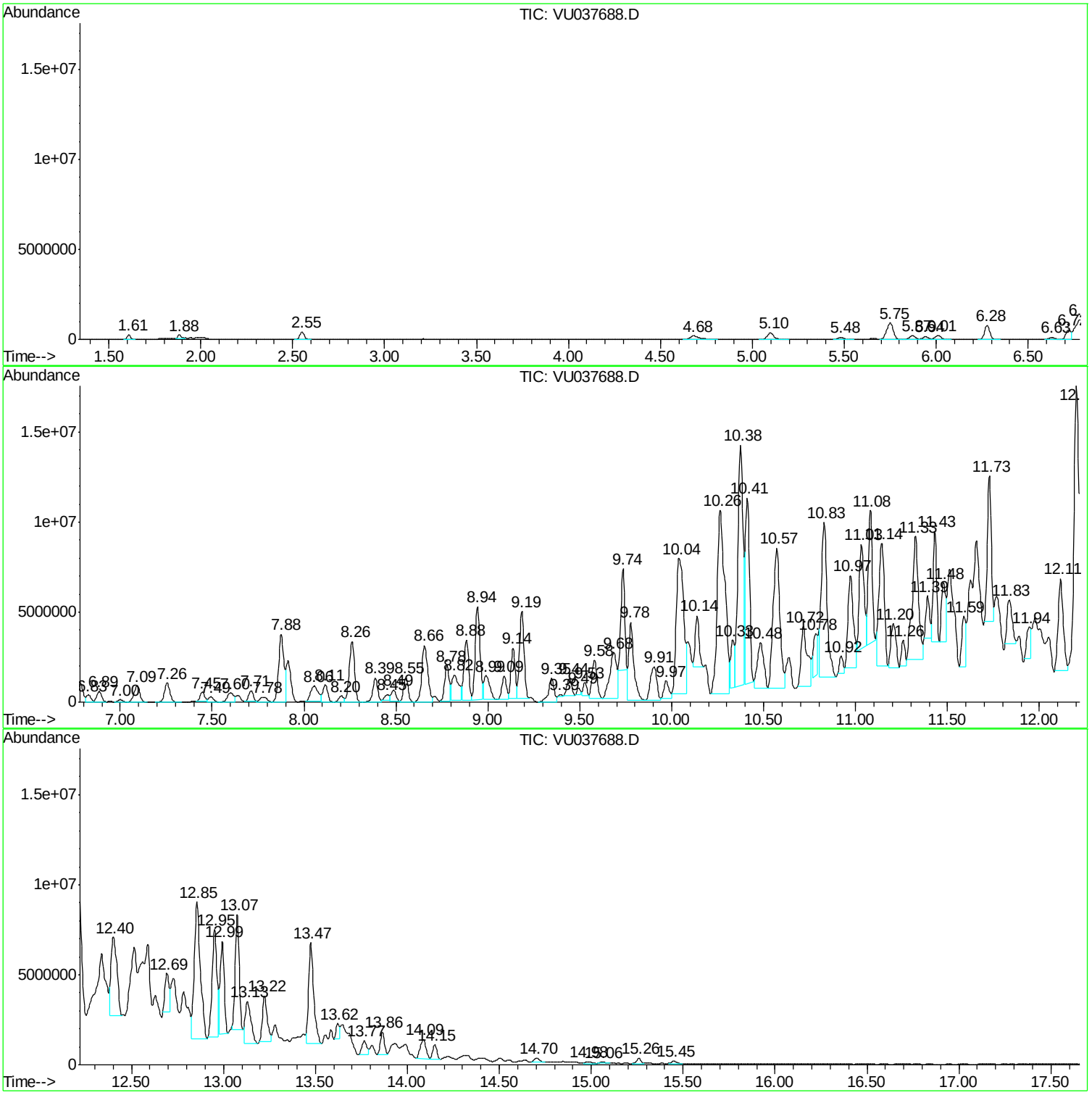
Sum of corrected areas: 532740971

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BG2J0ME

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

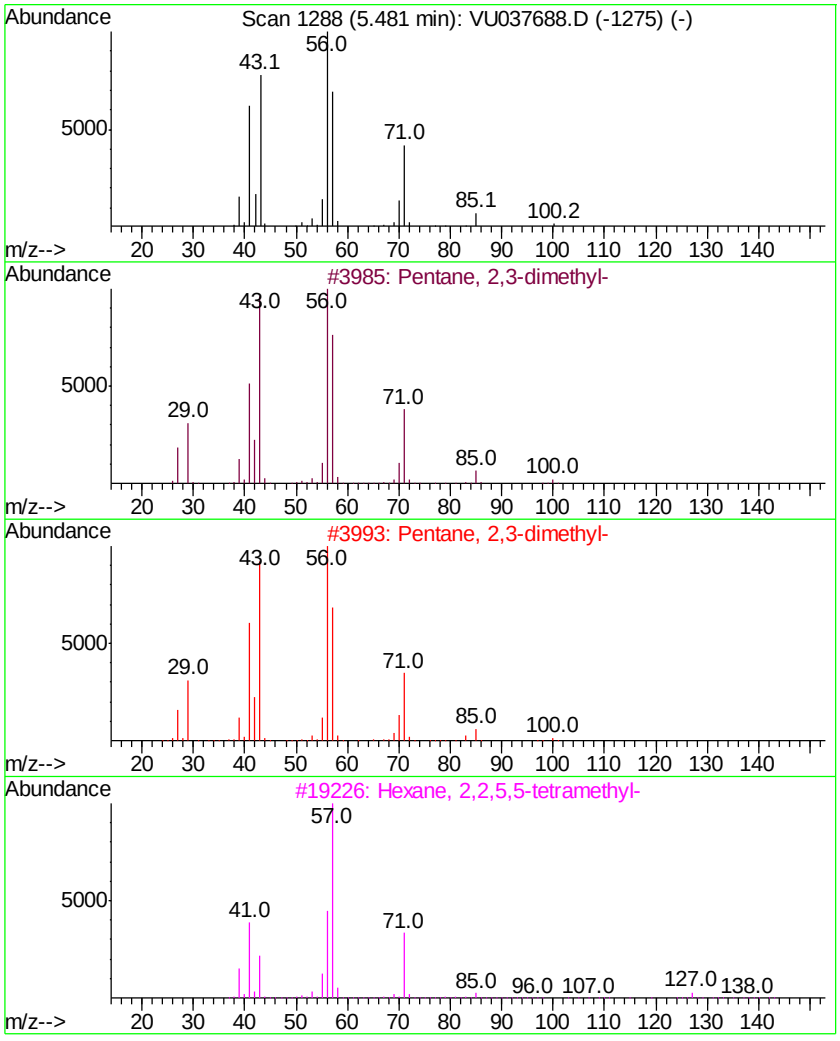
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

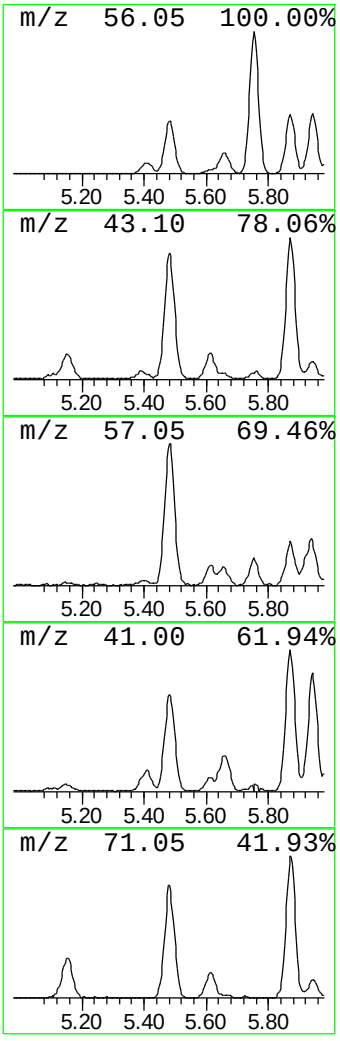
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 72

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.48 | 7.49 ug/L | 233805 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 91 |
| 2 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 91 |
| 3 | Hexane, 2,2,5,5-tetramethyl- | 142 | C10H22 | 001071-81-4 | 72 |
| 4 | Ethane, isocyanato- | 71 | C3H5NO | 000109-90-0 | 59 |
| 5 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 58 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

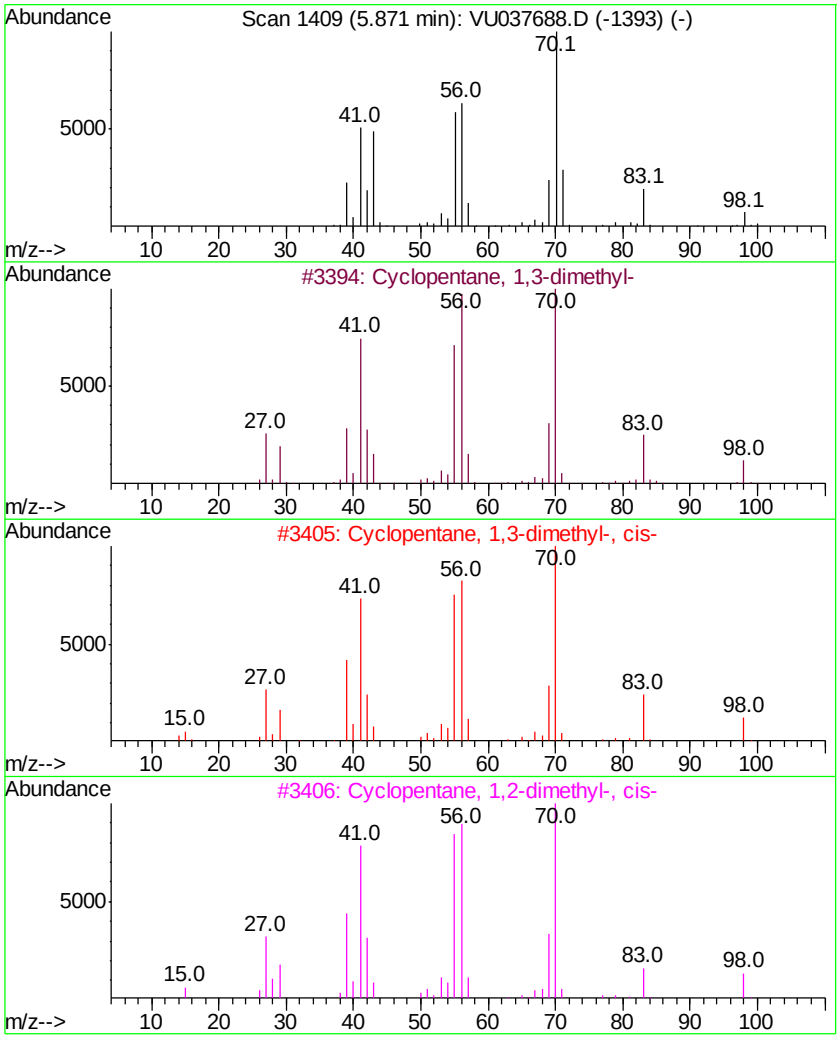
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

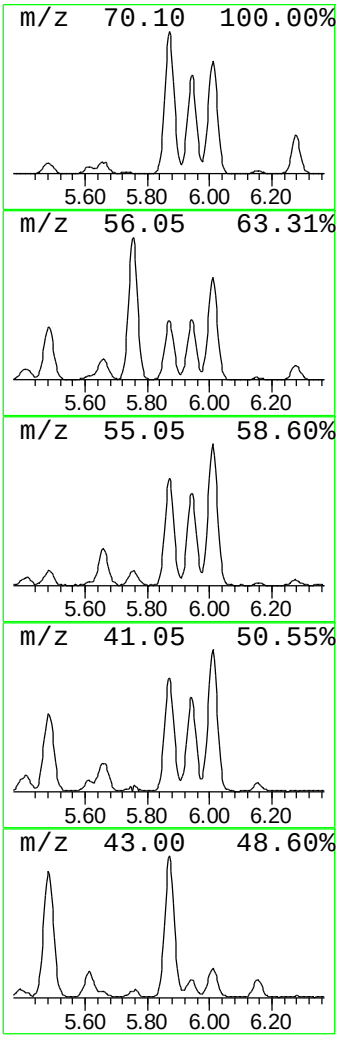
**********

Peak Number 2 (DEL) Alkane: Cyclic5.87 Concentration Rank 67

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.87 | 13.62 ug/L | 425079 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 70 |
| 2 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 70 |
| 3 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 60 |
| 4 | Undecane, 3-methylene- | 168 | C12H24 | 071138-64-2 | 59 |
| 5 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 53 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

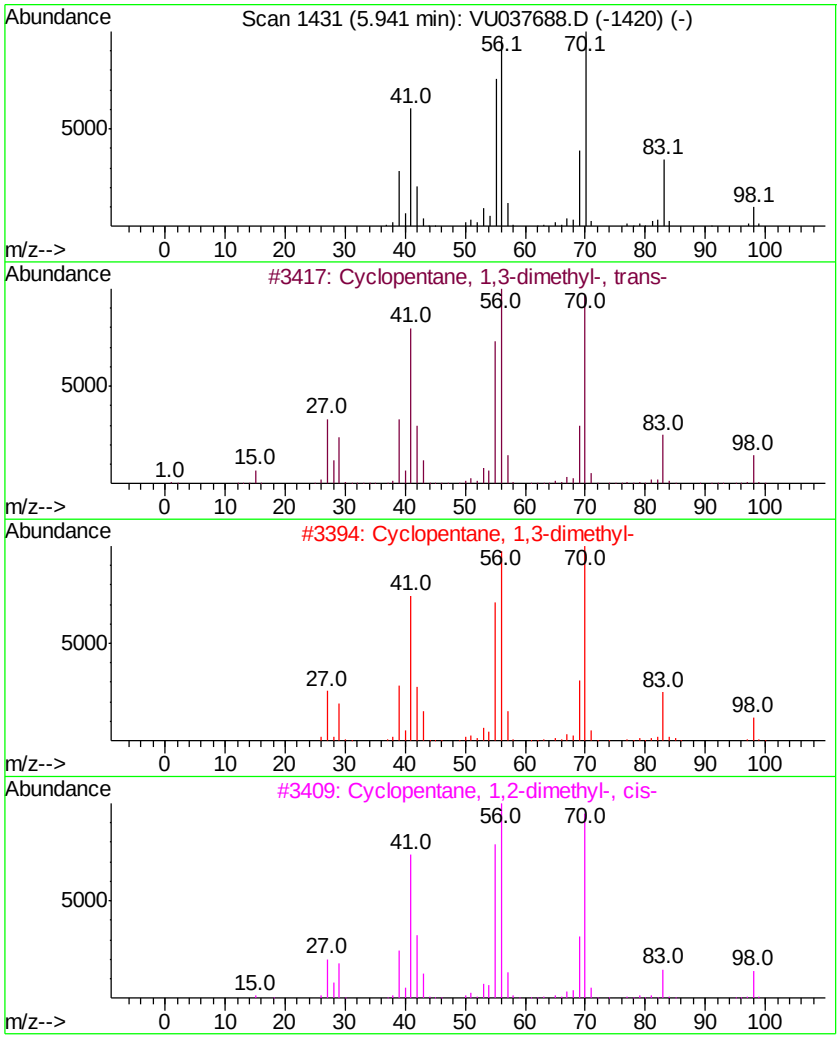
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

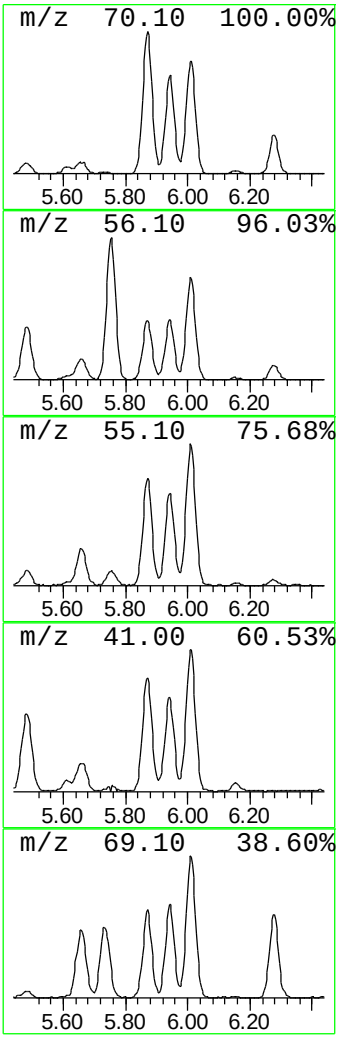
**********

Peak Number 3 (DEL) Alkane: Cyclic5.94 Concentration Rank 70

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.94 | 10.05 ug/L | 313467 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 91 |
| 2 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 91 |
| 3 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 91 |
| 4 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 91 |
| 5 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 91 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

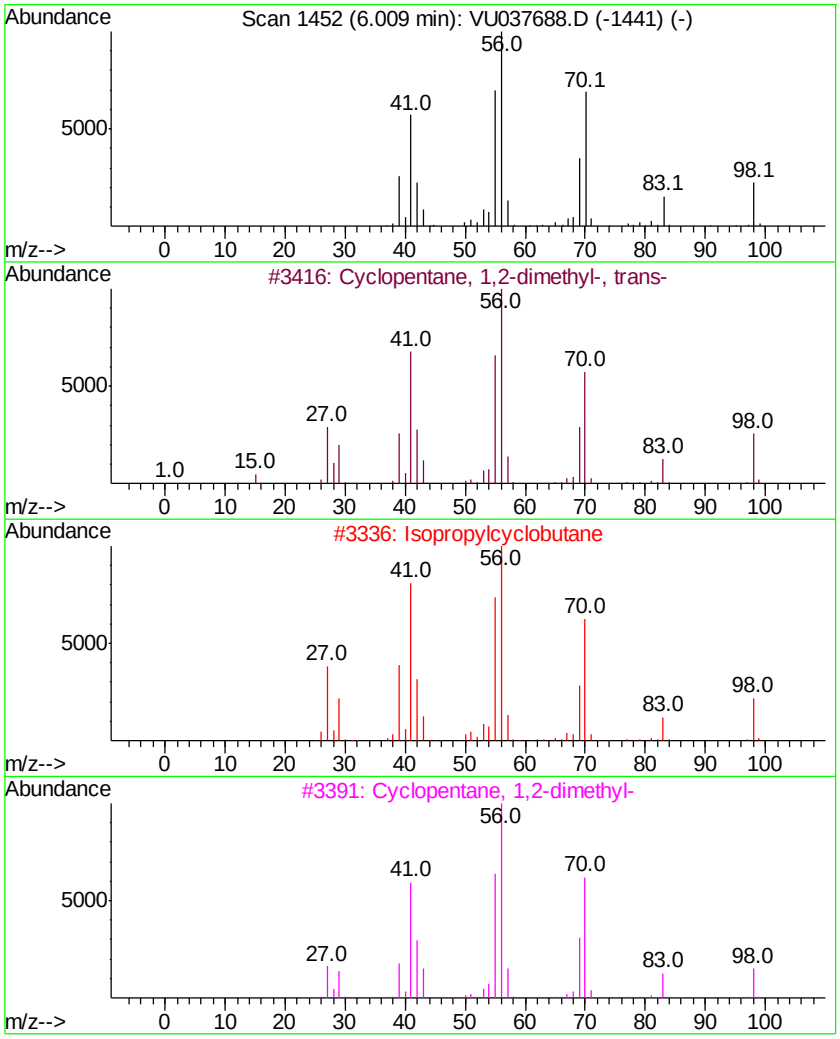
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

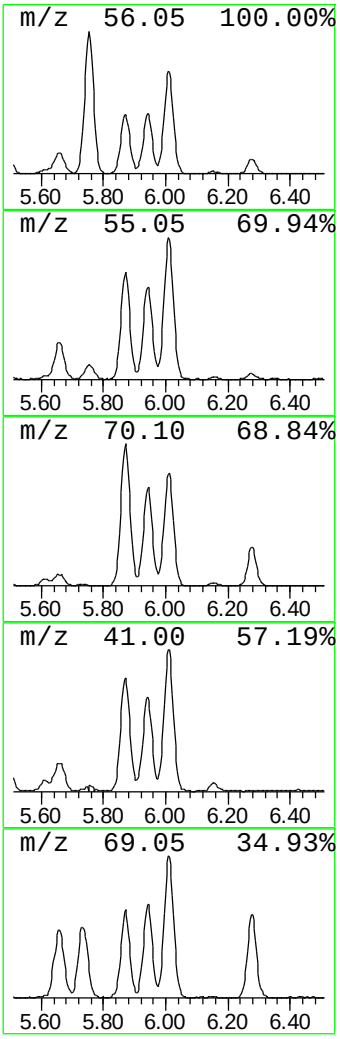
**********

Peak Number 4 (DEL) Alkane: Cyclic6.01 Concentration Rank 63

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.01 | 15.50 ug/L | 483787 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 94 |
| 2 | Isopropylcyclobutane | 98 | C7H14 | 000872-56-0 | 94 |
| 3 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 91 |
| 4 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 91 |
| 5 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 90 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

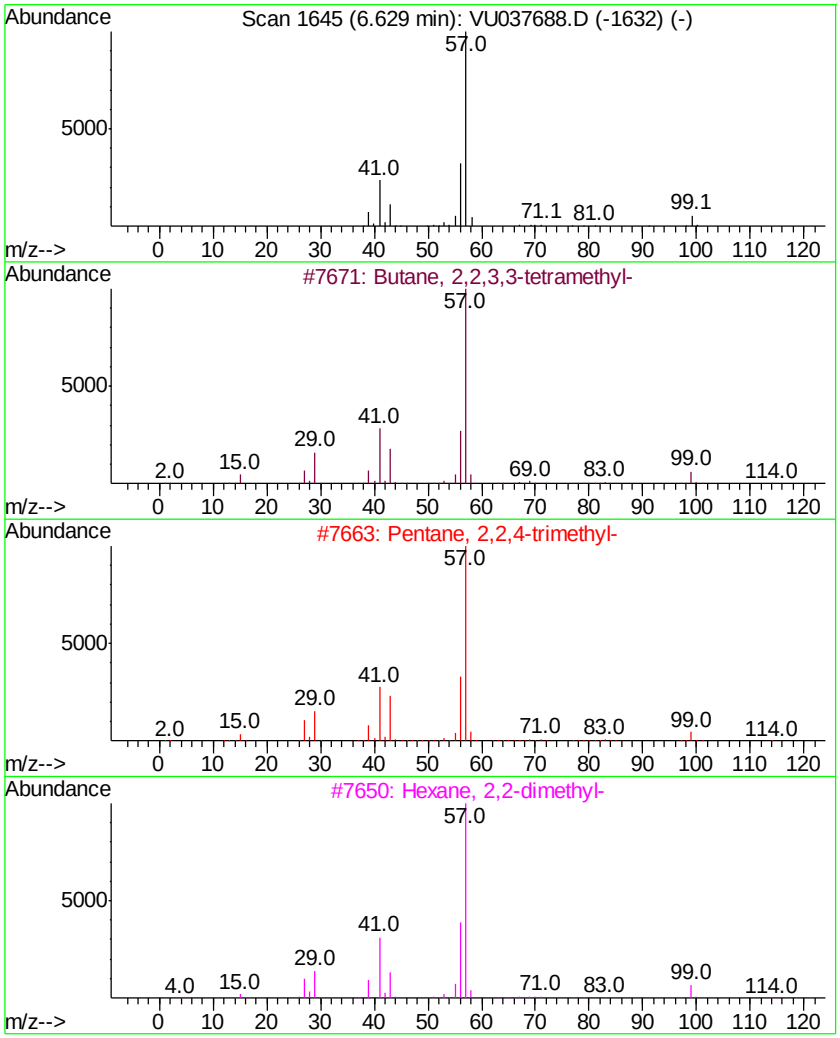
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

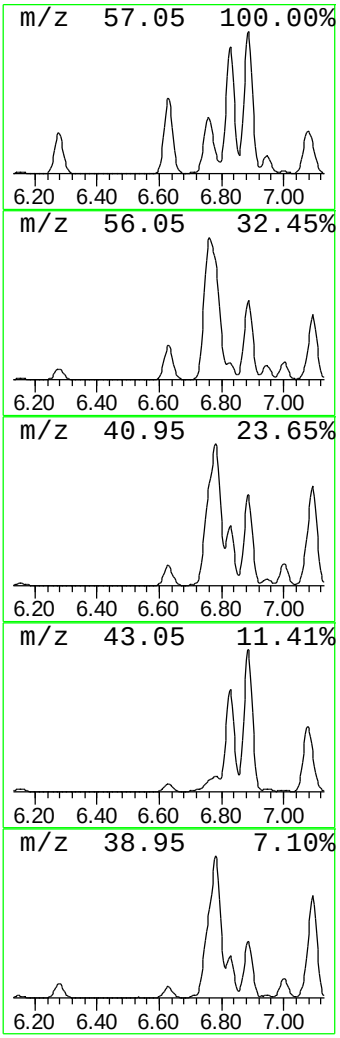
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 73

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.63 | 7.44 ug/L | 232187 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18 | 000594-82-1 | 83 |
| 2 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 83 |
| 3 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 83 |
| 4 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 78 |
| 5 | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26 | 013475-82-6 | 78 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

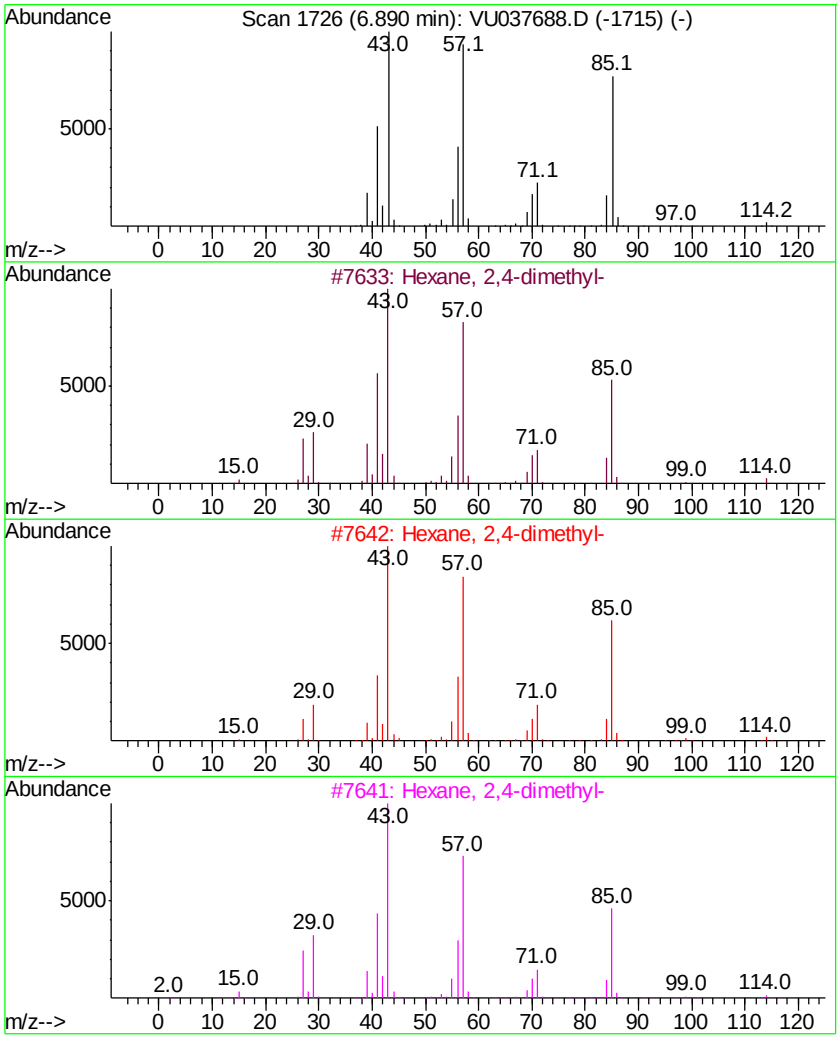
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

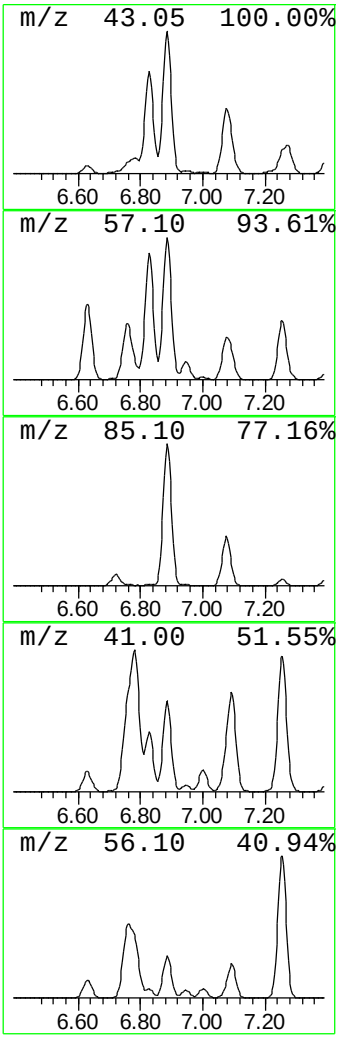
**********

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 50

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.89 | 36.22 ug/L | 1130290 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 95 |
| 2 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 94 |
| 3 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 91 |
| 4 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 91 |
| 5 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 83 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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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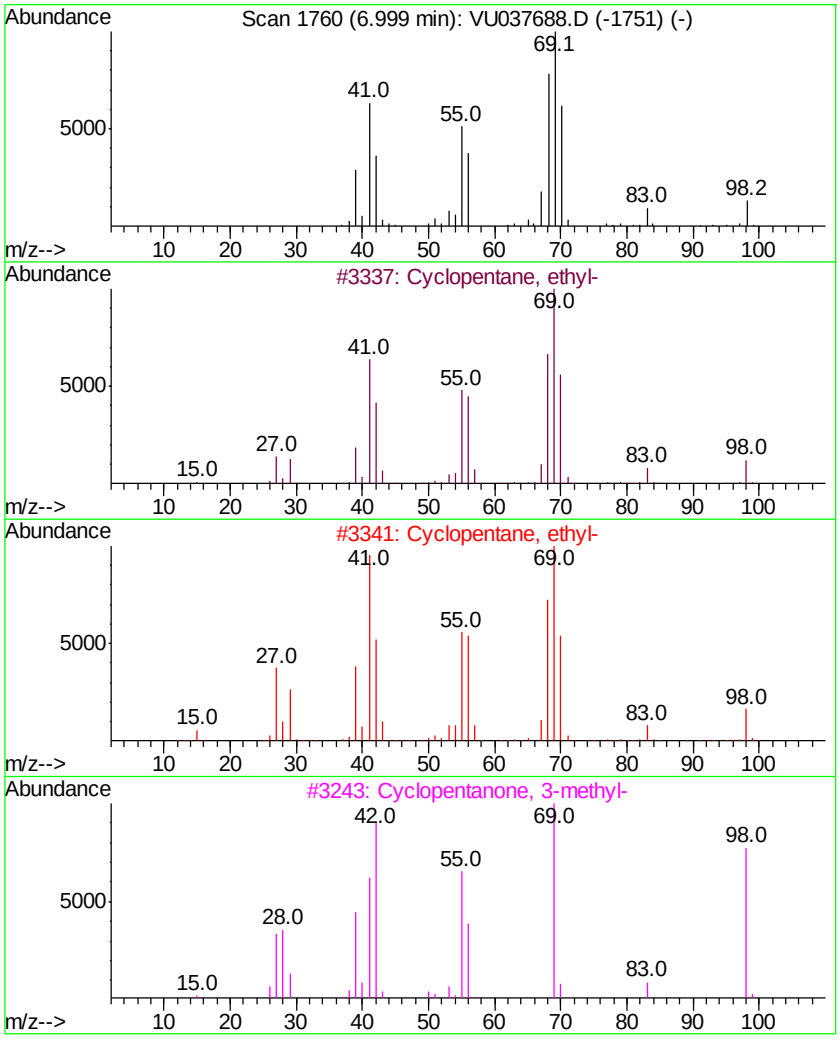
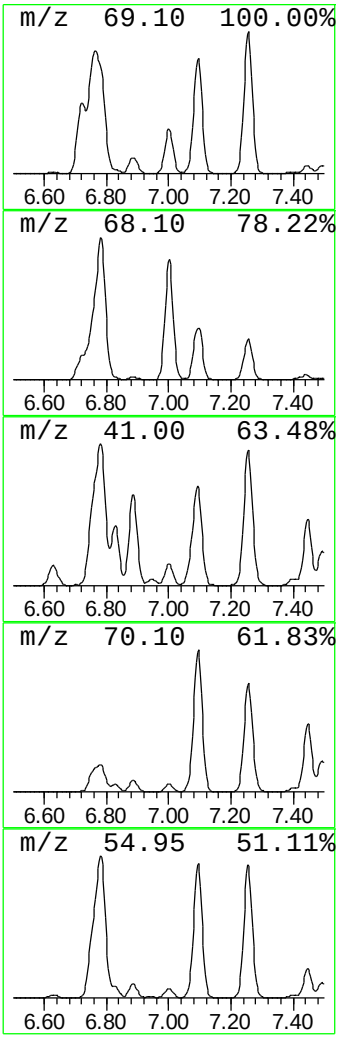
Peak Number 7 (DEL) Alkane: Cyclic7.00 Concentration Rank 71

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.00 | 7.51 ug/L | 234194 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, ethyl- | 98 | C7H14 | 001640-89-7 | 97 |
| 2 | Cyclopentane, ethyl- | 98 | C7H14 | 001640-89-7 | 95 |
| 3 | Cyclopentanone, 3-methyl- | 98 | C6H10O | 001757-42-2 | 46 |
| 4 | (R)-(+)-3-Methylcyclopentanone | 98 | C6H10O | 006672-30-6 | 43 |
| 5 | 1-Pentene, 3-ethyl- | 98 | C7H14 | 004038-04-4 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

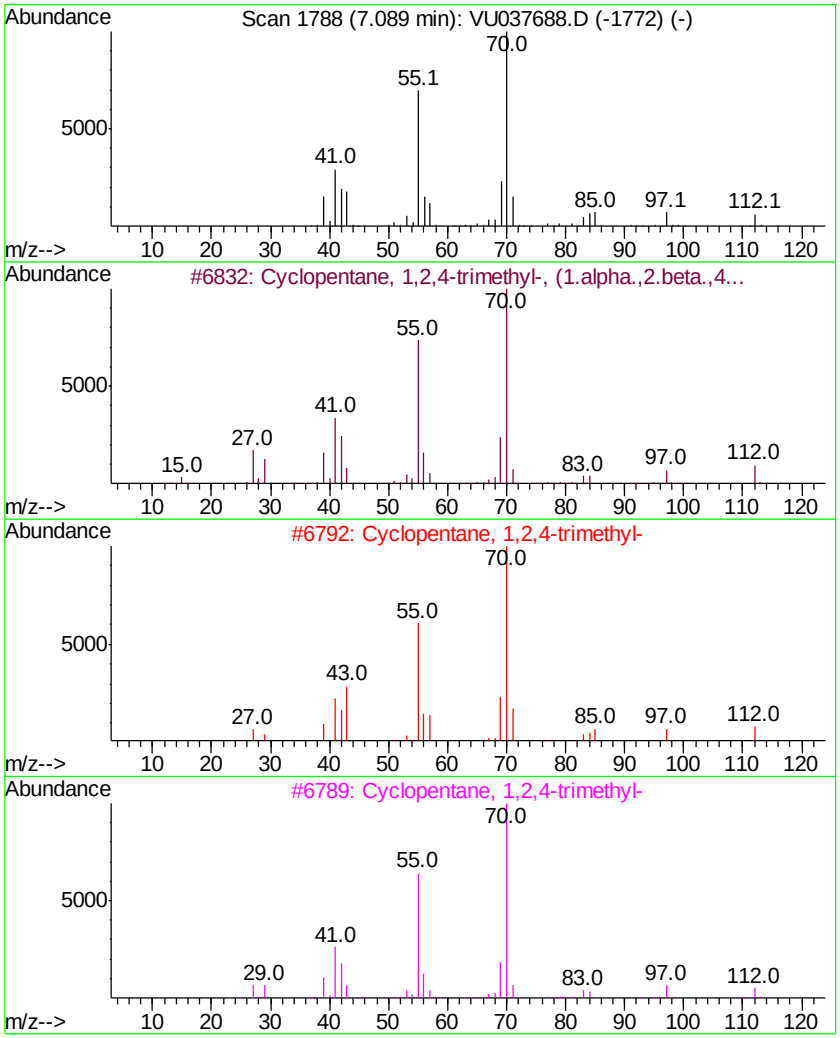
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

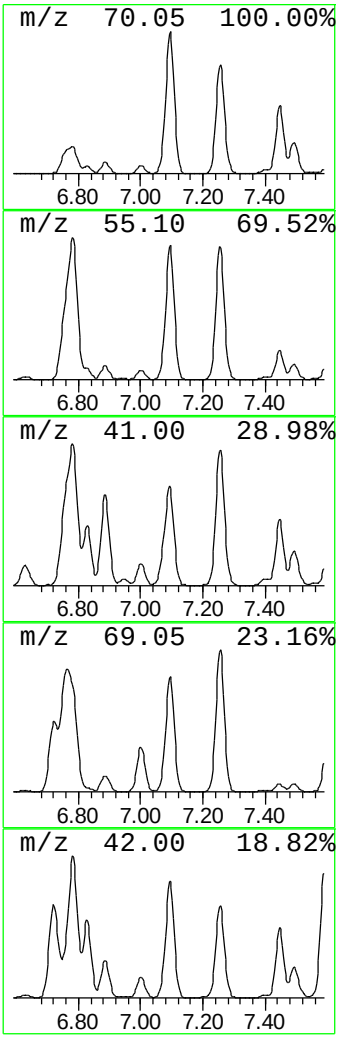
**********

Peak Number 8 (DEL) Alkane: Cyclic7.09 Concentration Rank 40

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.09 | 63.64 ug/L | 1985810 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 016883-48-0 | 91 |
| 2 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 91 |
| 3 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 90 |
| 4 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 002613-69-6 | 83 |
| 5 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 002613-69-6 | 80 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

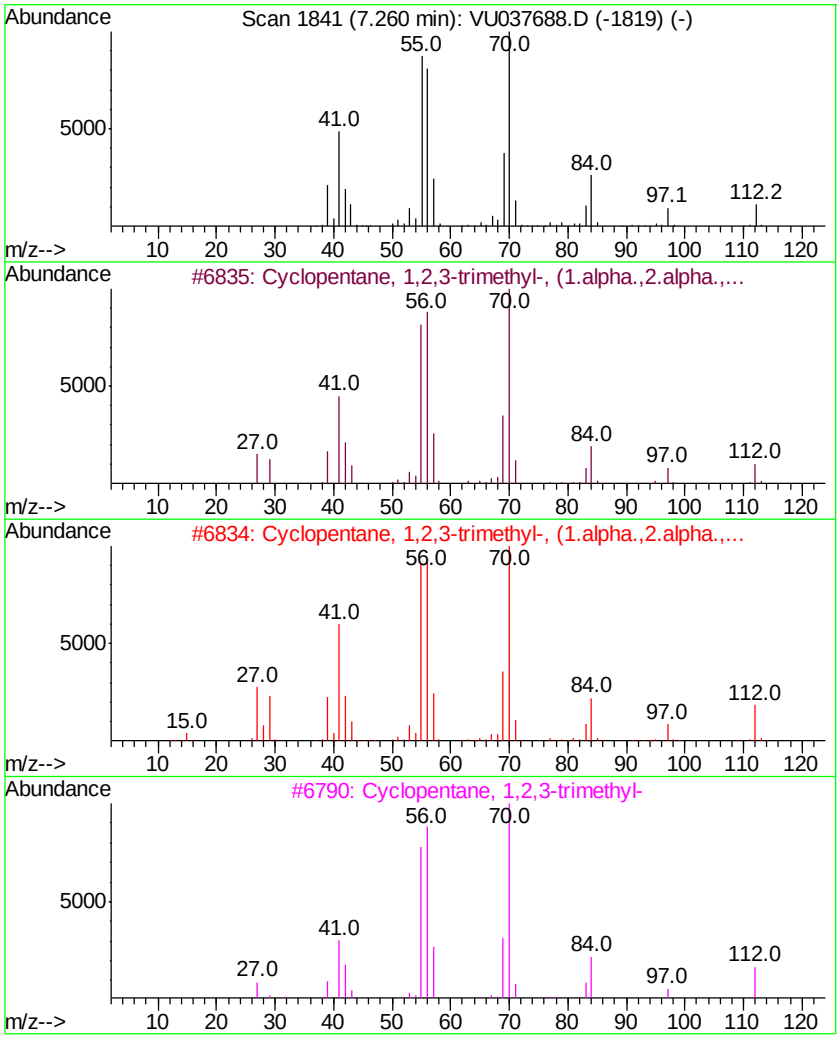
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

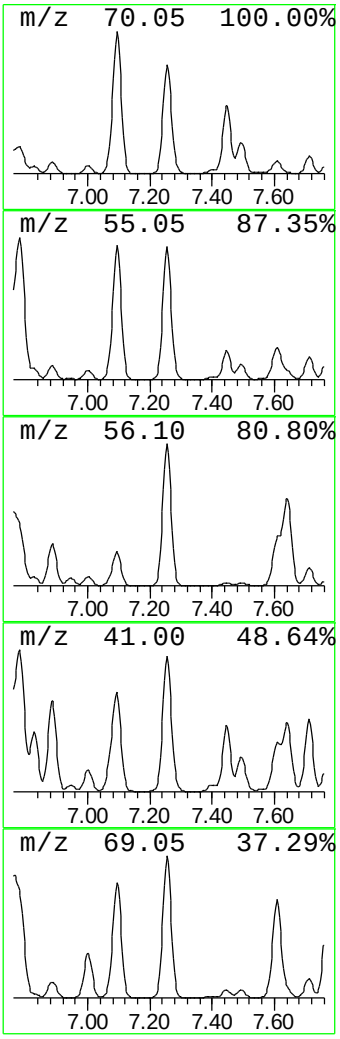
**********

Peak Number 9 (DEL) Alkane: Cyclic7.26 Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.26 | 68.68 ug/L | 2143170 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 015890-40-1 | 94 |
| 2 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 015890-40-1 | 94 |
| 3 | Cyclopentane, 1,2,3-trimethyl- | 112 | C8H16 | 002815-57-8 | 91 |
| 4 | 1-Heptene, 3-methyl- | 112 | C8H16 | 004810-09-7 | 83 |
| 5 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

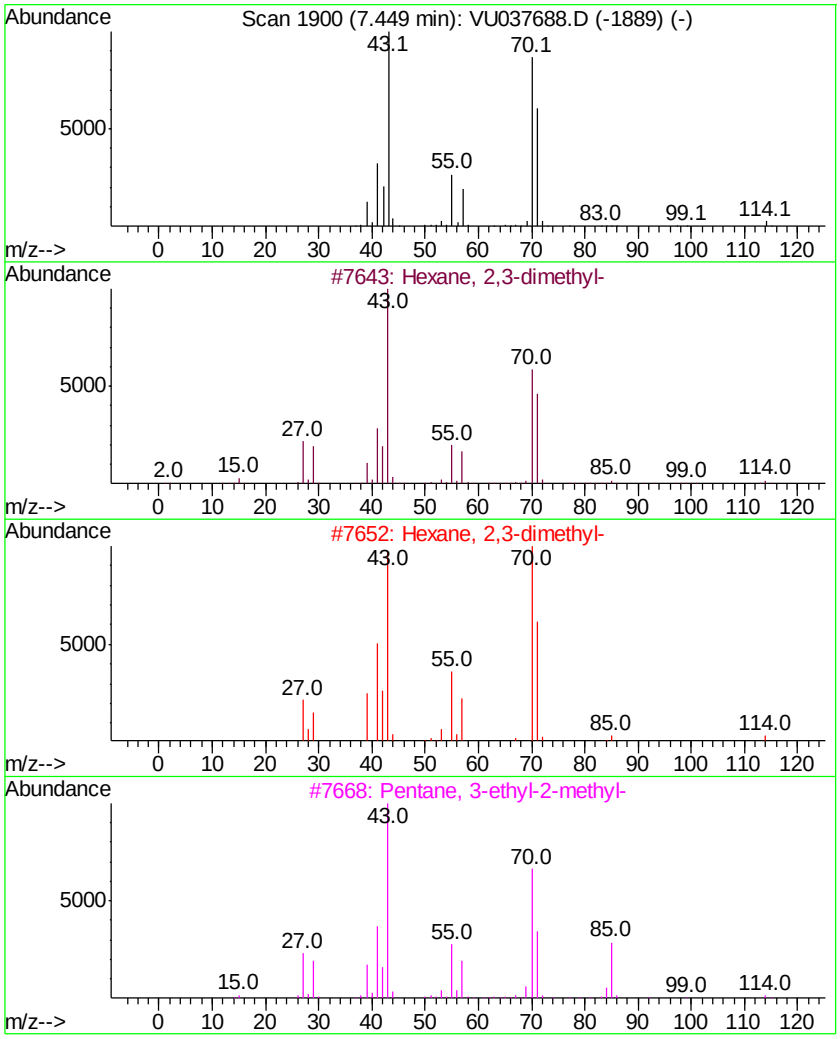
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

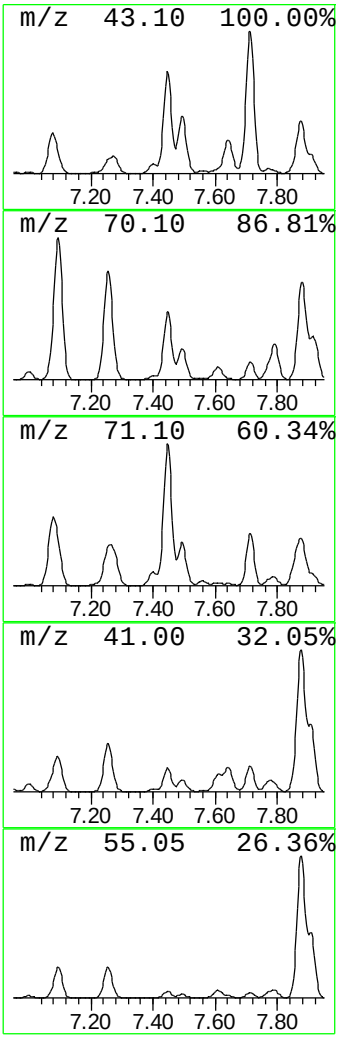
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 56

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.45 | 27.19 ug/L | 848546 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 91 |
| 2 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 86 |
| 3 | Pentane, 3-ethyl-2-methyl- | 114 | C8H18 | 000609-26-7 | 80 |
| 4 | Pyrrolidine | 71 | C4H9N | 000123-75-1 | 78 |
| 5 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 74 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

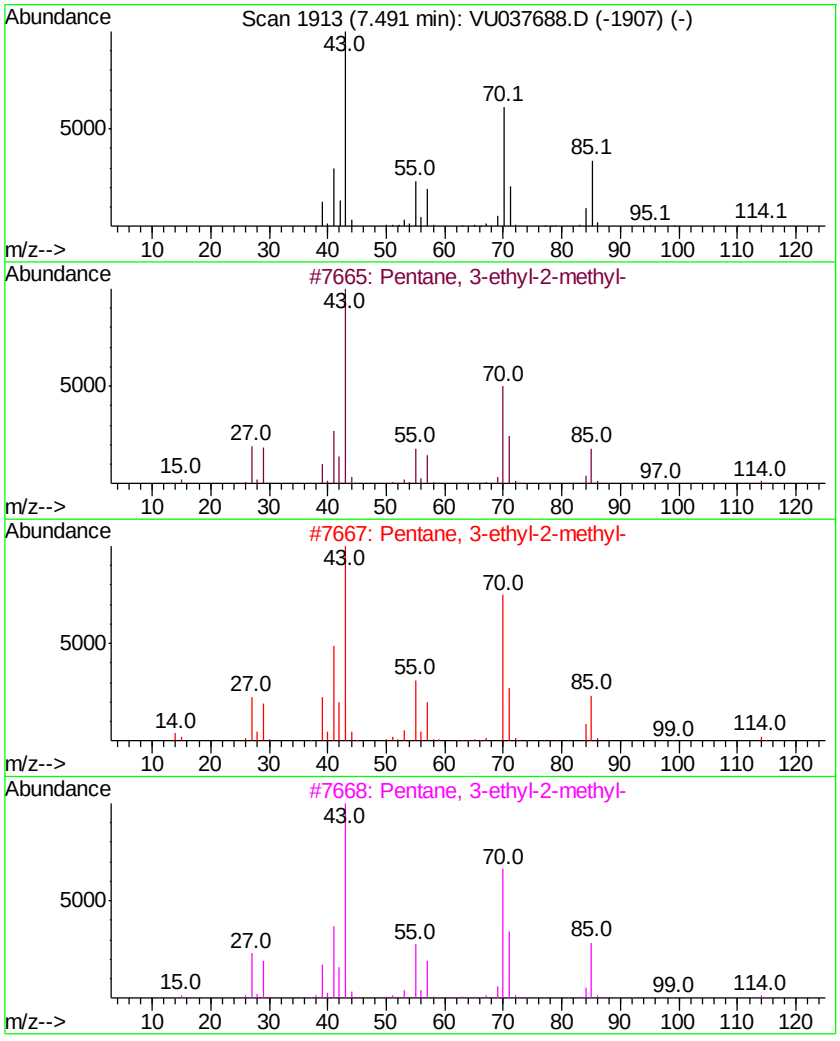
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

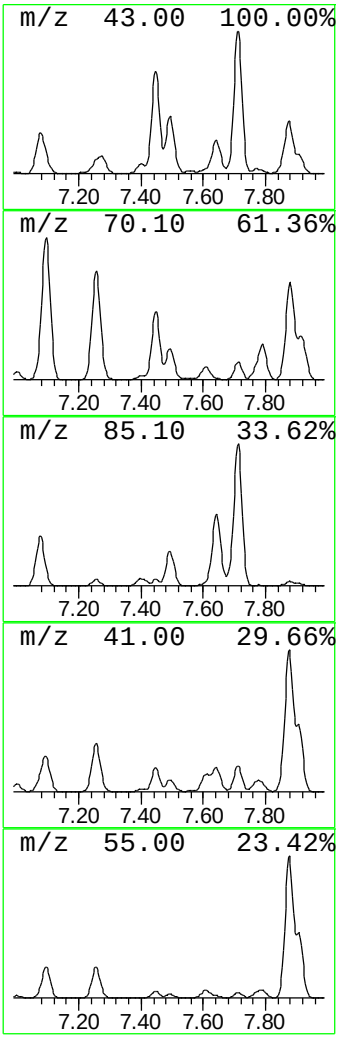
**********

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 61

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.49 | 16.89 ug/L | 526978 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-ethyl-2-methyl- | 114 | C8H18 | 000609-26-7 | 86 |
| 2 | Pentane, 3-ethyl-2-methyl- | 114 | C8H18 | 000609-26-7 | 72 |
| 3 | Pentane, 3-ethyl-2-methyl- | 114 | C8H18 | 000609-26-7 | 64 |
| 4 | Hexane, 3-ethyl- | 114 | C8H18 | 000619-99-8 | 50 |
| 5 | Hexane, 3-ethyl- | 114 | C8H18 | 000619-99-8 | 47 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

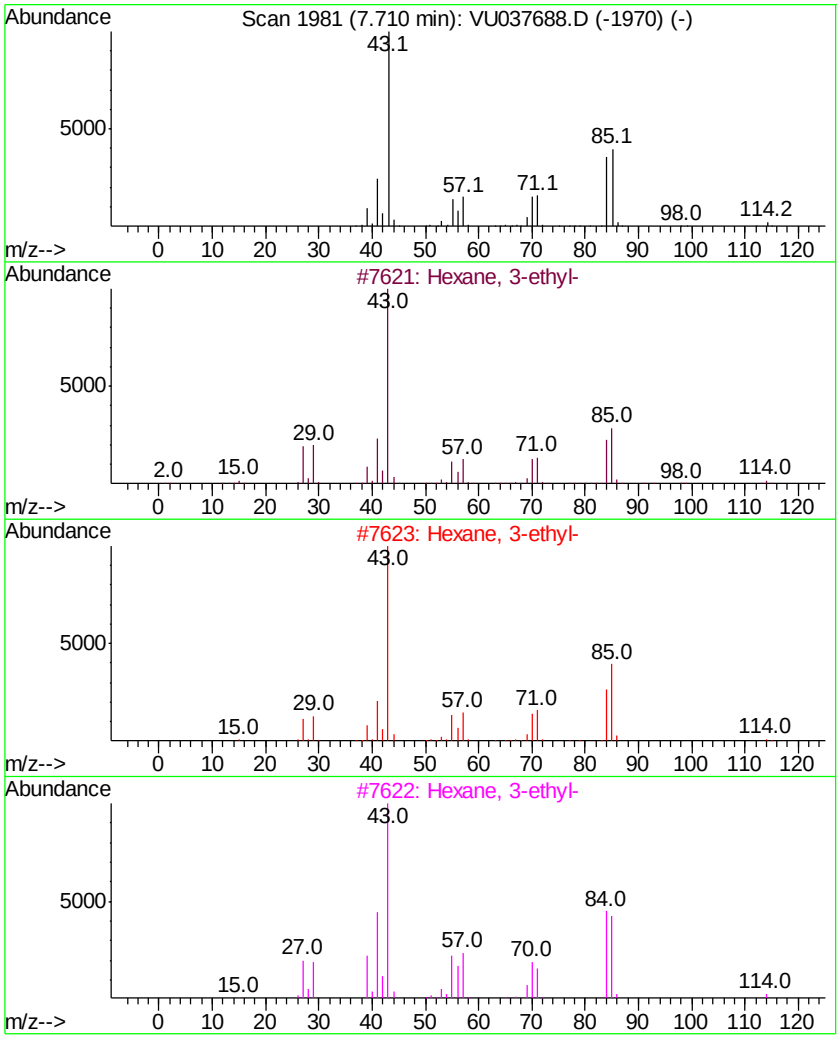
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

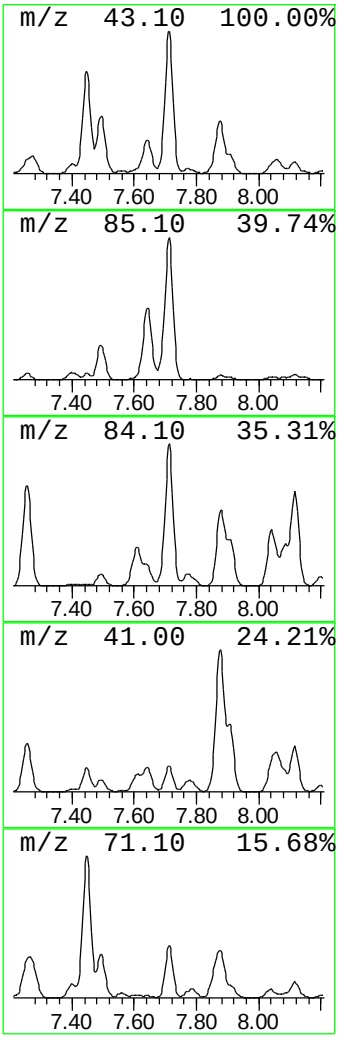
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 52

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.71 | 32.91 ug/L | 1027030 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 3-ethyl- | 114 | C8H18 | 000619-99-8 | 91 |
| 2 | Hexane, 3-ethyl- | 114 | C8H18 | 000619-99-8 | 83 |
| 3 | Hexane, 3-ethyl- | 114 | C8H18 | 000619-99-8 | 64 |
| 4 | Hexane, 2,3,5-trimethyl- | 128 | C9H20 | 001069-53-0 | 64 |
| 5 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 59 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

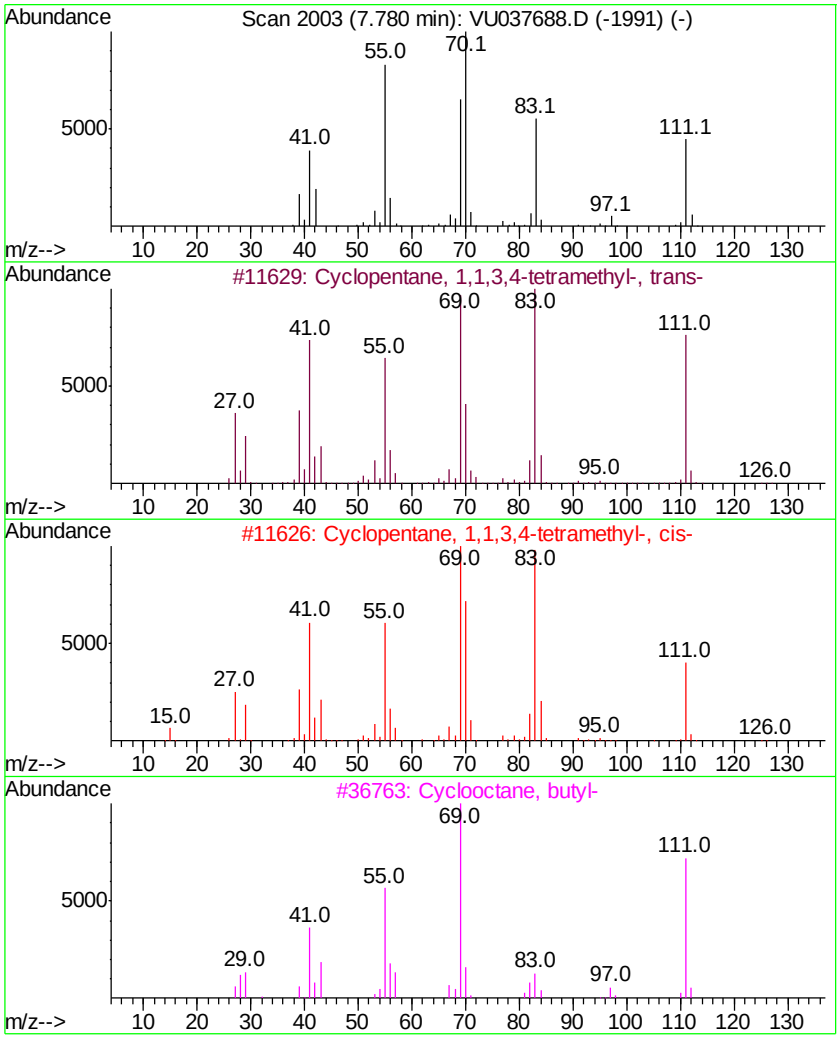
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

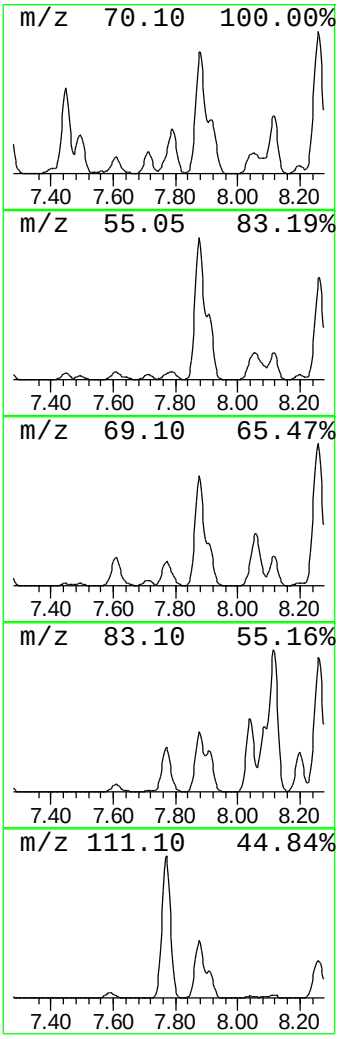
**********

Peak Number 14 (DEL) Alkane: Cyclic7.78 Concentration Rank 58

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.78 | 22.30 ug/L | 695930 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,1,3,4-tetramethy... | 126 | C9H18 | 020309-77-7 | 68 |
| 2 | Cyclopentane, 1,1,3,4-tetramethy... | 126 | C9H18 | 053907-60-1 | 59 |
| 3 | Cyclooctane, butyl- | 168 | C12H24 | 016538-93-5 | 43 |
| 4 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-26-2 | 38 |
| 5 | Cyclohexane, 1-ethyl-1,4-dimethy... | 140 | C10H20 | 062238-32-8 | 35 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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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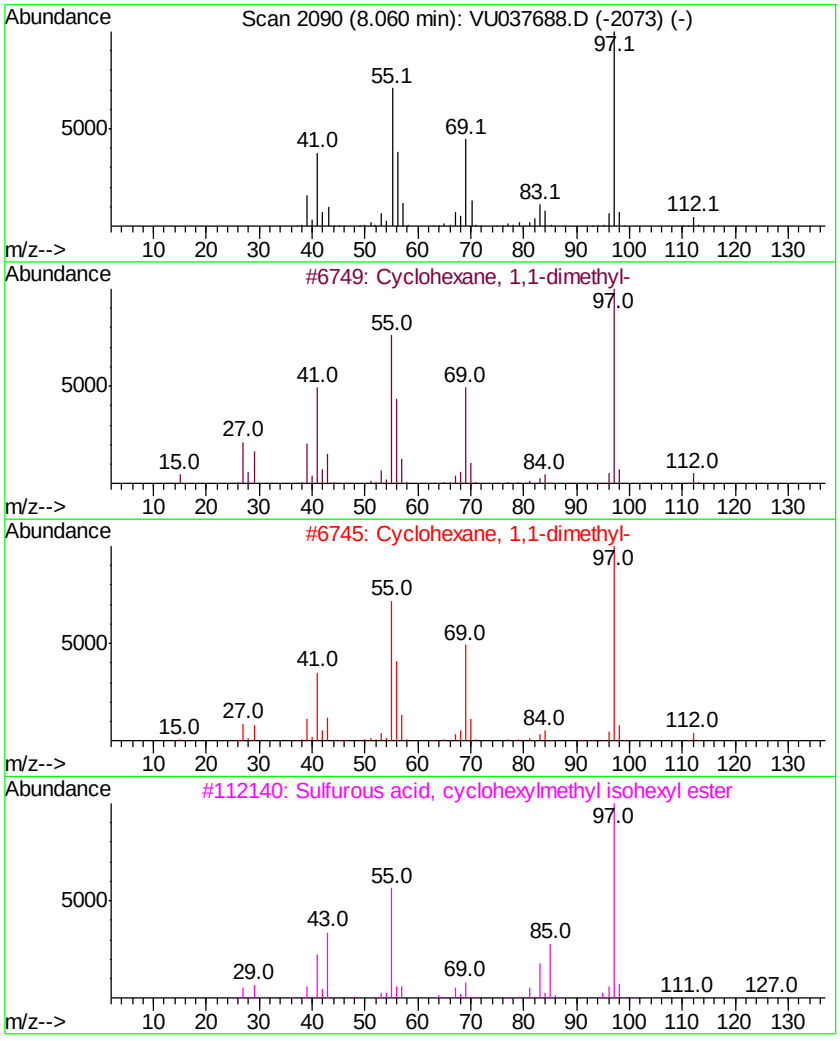
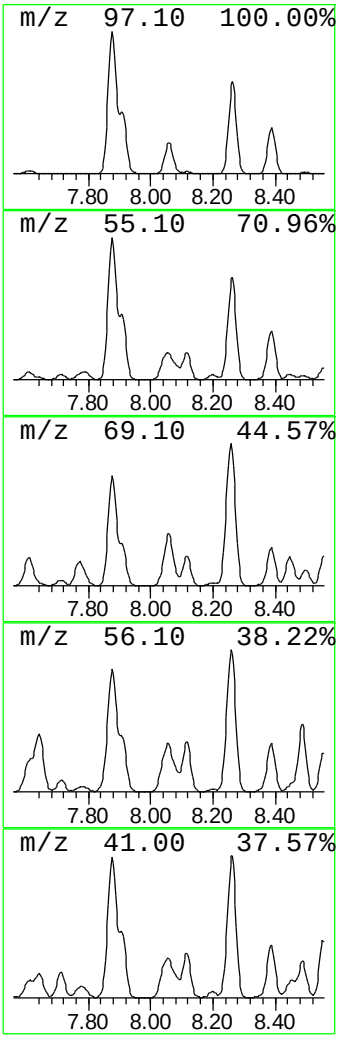
Peak Number 15 (DEL) Alkane: Cyclic8.06 Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.06 | 71.75 ug/L | 2522990 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1-dimethyl- | 112 | C8H16 | 000590-66-9 | 97 |
| 2 | Cyclohexane, 1,1-dimethyl- | 112 | C8H16 | 000590-66-9 | 95 |
| 3 | Sulfurous acid, cyclohexylmethyl... | 262 | C13H26O3S | 1000309-21-5 | 53 |
| 4 | Cyclohexane, 1,3-dimethyl-, cis- | 112 | C8H16 | 000638-04-0 | 53 |
| 5 | Cyclohexane, 1,3-dimethyl- | 112 | C8H16 | 000591-21-9 | 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

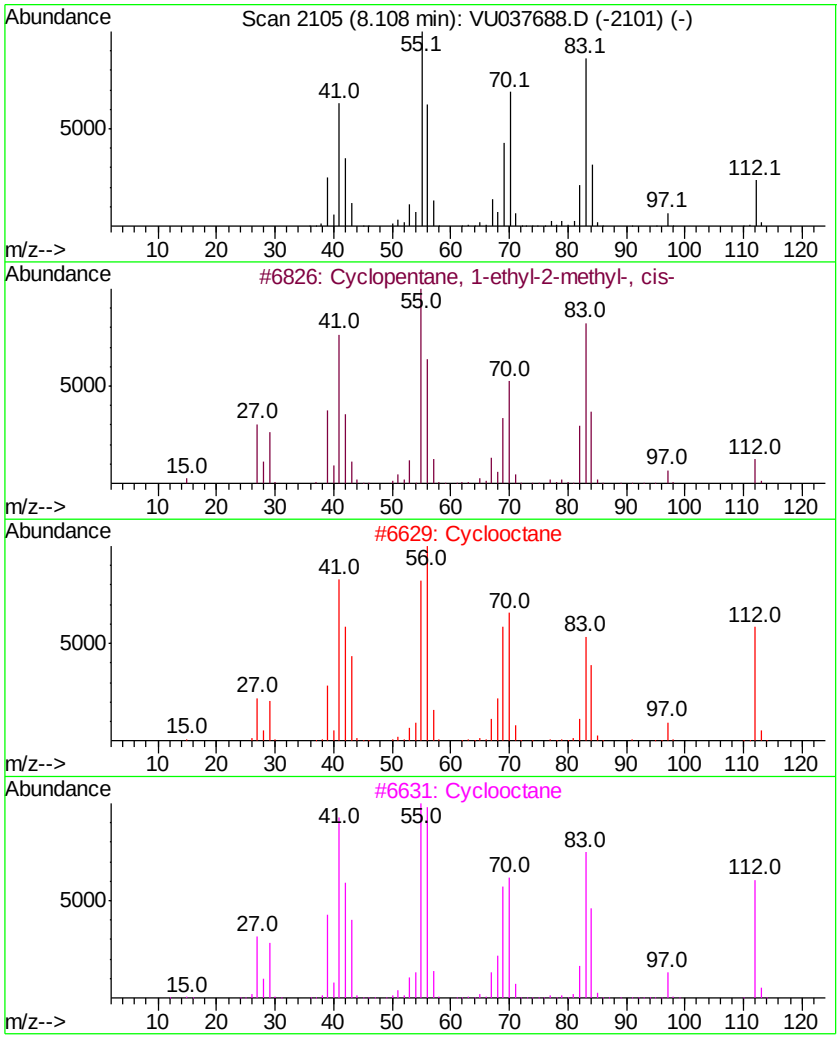
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

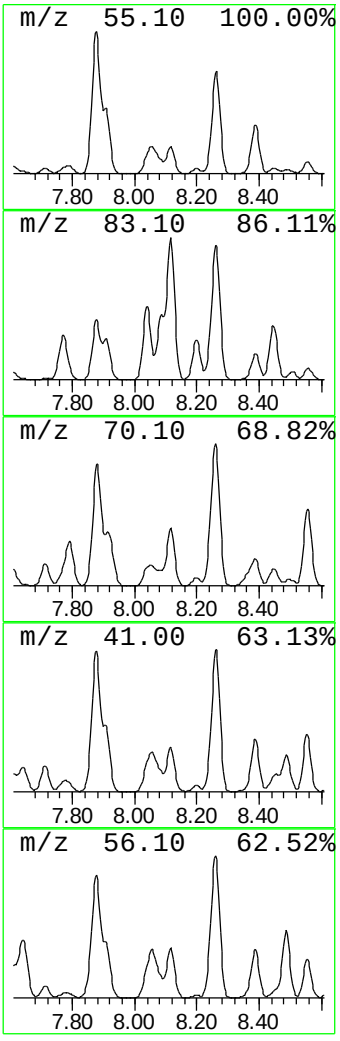
**********

Peak Number 16 (DEL) Alkane: Cyclic8.11 Concentration Rank 46

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.11 | 46.08 ug/L | 1620210 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1-ethyl-2-methyl-,... | 112 | C8H16 | 000930-89-2 | 86 |
| 2 | Cyclooctane | 112 | C8H16 | 000292-64-8 | 70 |
| 3 | Cyclooctane | 112 | C8H16 | 000292-64-8 | 64 |
| 4 | Cyclooctane | 112 | C8H16 | 000292-64-8 | 64 |
| 5 | 1,2-Cyclohexanedione | 112 | C6H8O2 | 000765-87-7 | 58 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

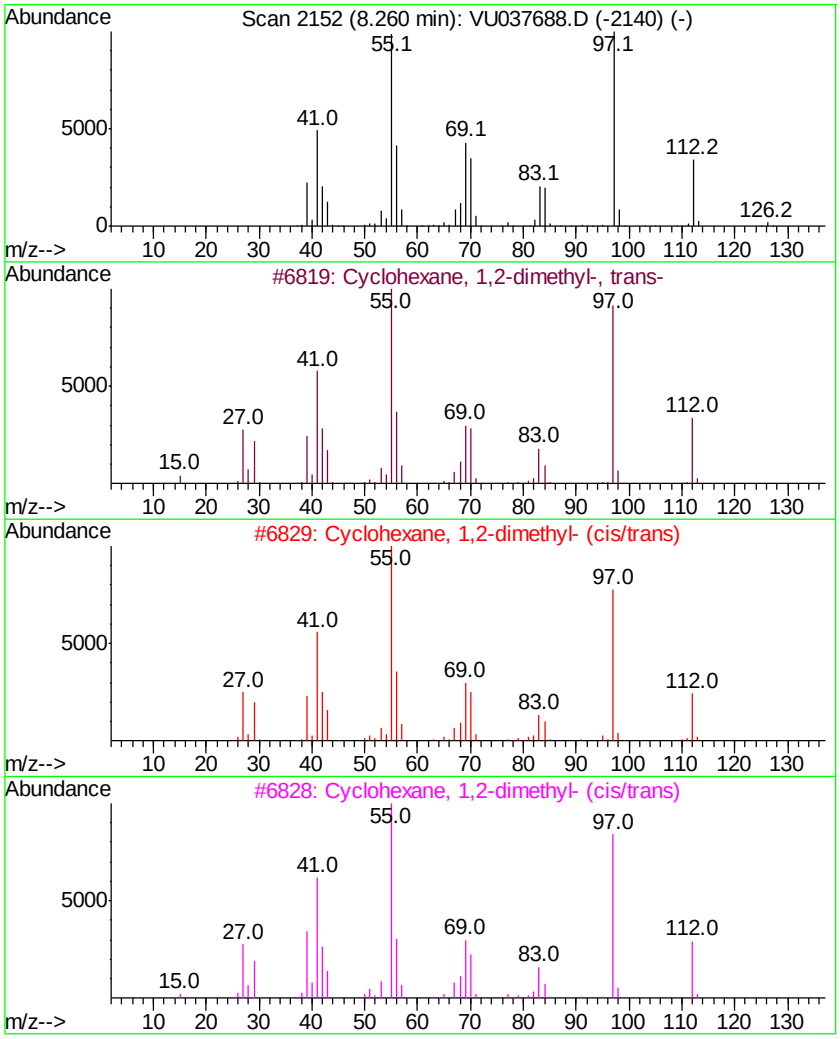
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

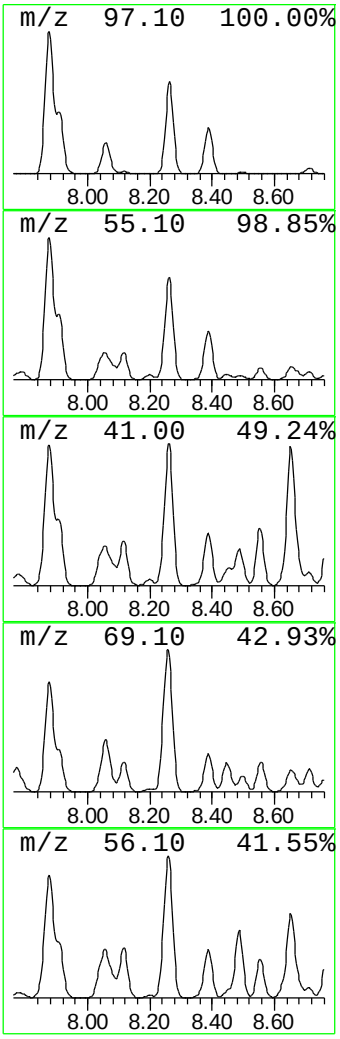
**********

Peak Number 17 (DEL) Alkane: Cyclic8.26 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.26 | 186.82 ug/L | 6569080 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 95 |
| 2 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 91 |
| 3 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 87 |
| 4 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 87 |
| 5 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 87 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

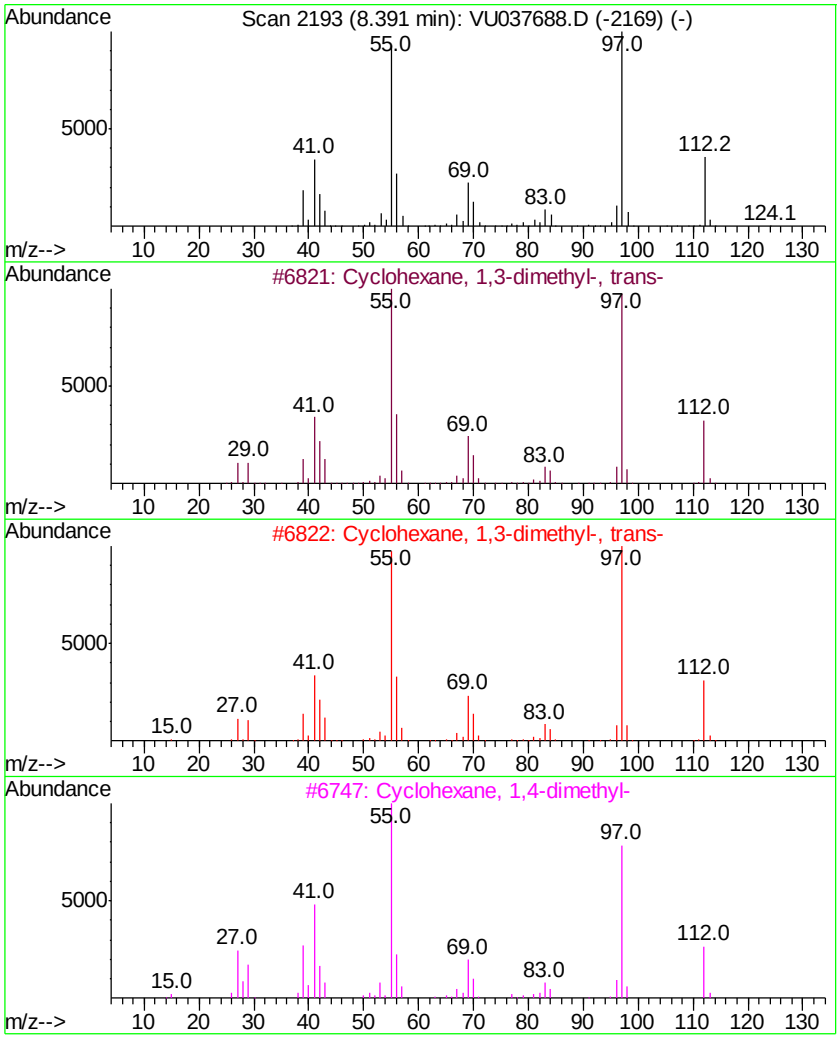
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

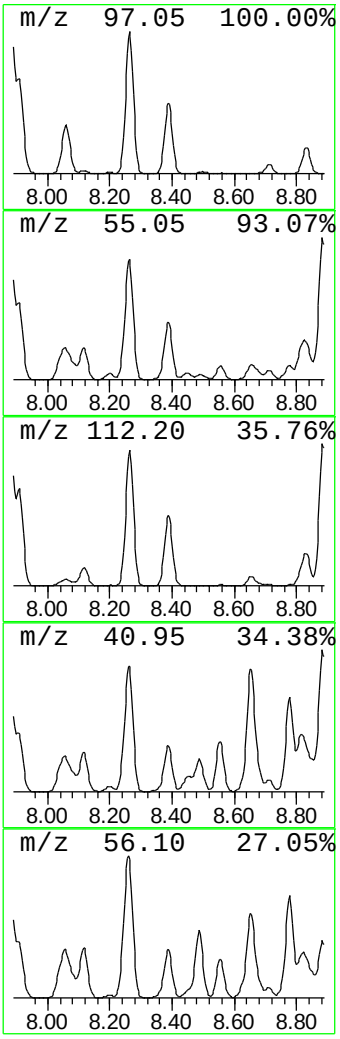
**********

Peak Number 18 (DEL) Alkane: Cyclic8.39 Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.39 | 71.31 ug/L | 2507410 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 97 |
| 2 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 97 |
| 3 | Cyclohexane, 1,4-dimethyl- | 112 | C8H16 | 000589-90-2 | 97 |
| 4 | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16 | 002207-04-7 | 96 |
| 5 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 96 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

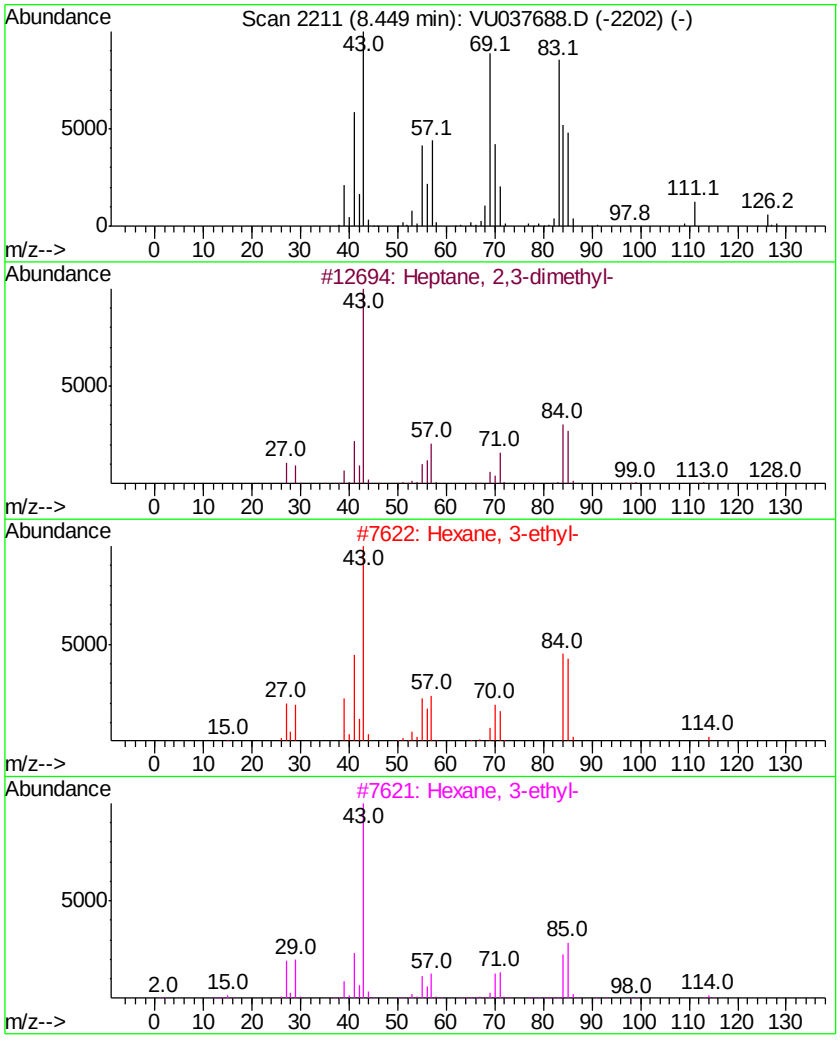
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

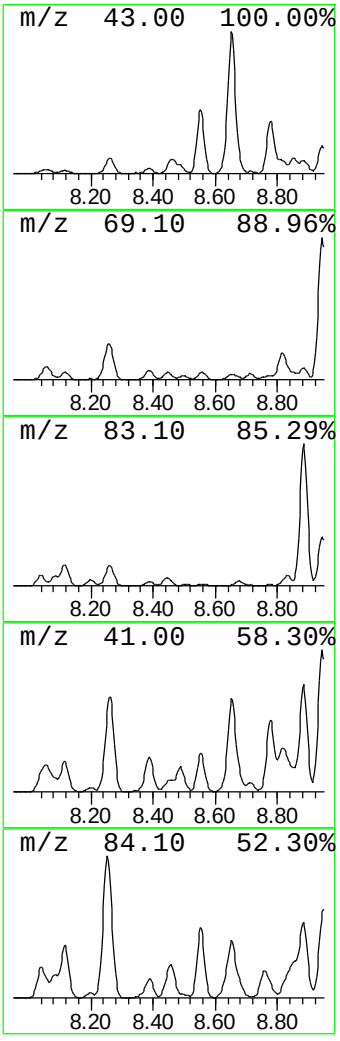
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 62

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.45 | 16.61 ug/L | 583967 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 52 |
| 2 | Hexane, 3-ethyl- | 114 | C8H18 | 000619-99-8 | 50 |
| 3 | Hexane, 3-ethyl- | 114 | C8H18 | 000619-99-8 | 50 |
| 4 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 49 |
| 5 | Hexane, 2,3,5-trimethyl- | 128 | C9H20 | 001069-53-0 | 47 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

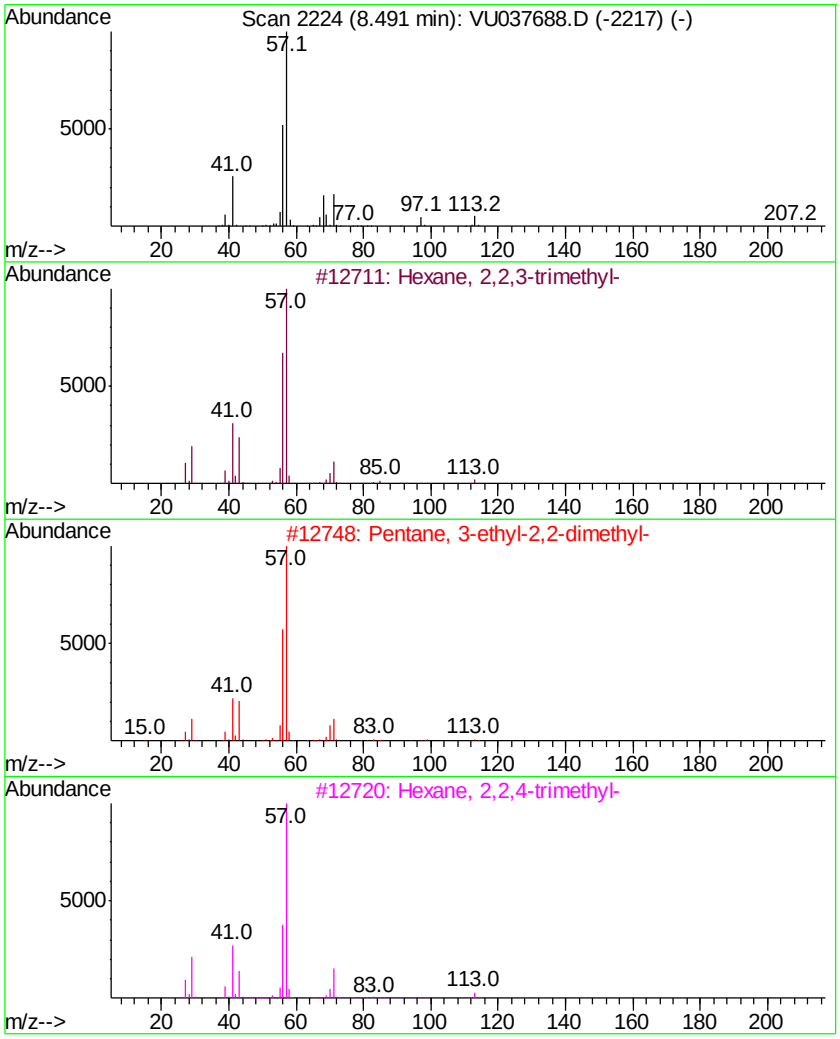
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

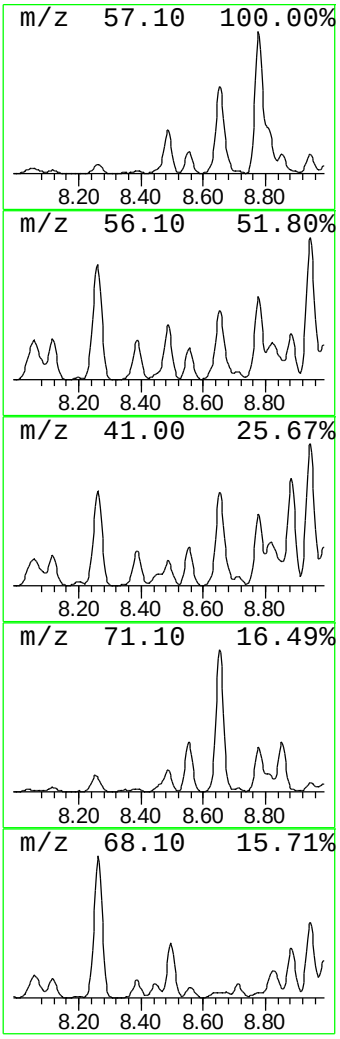
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 54

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.49 | 29.42 ug/L | 1034310 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 59 |
| 2 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 59 |
| 3 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 53 |
| 4 | Hexane, 2,2,5-trimethyl- | 128 | C9H20 | 003522-94-9 | 50 |
| 5 | Heptane, 2,2,4-trimethyl- | 142 | C10H22 | 014720-74-2 | 45 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

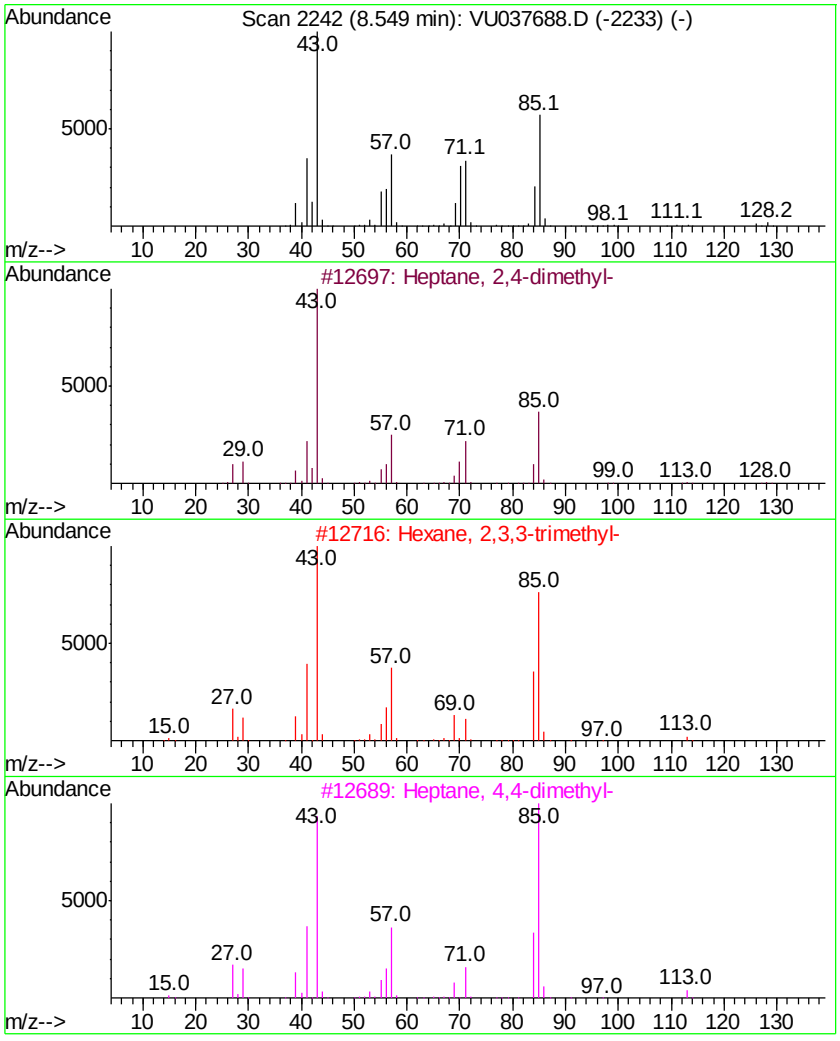
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

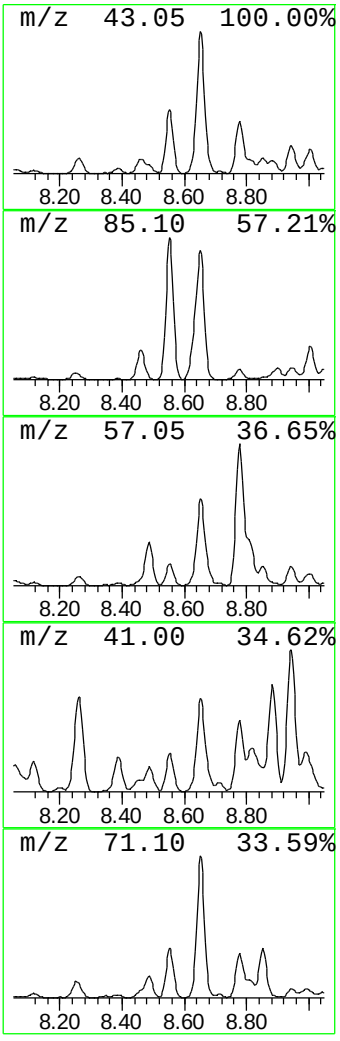
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.55 | 65.98 ug/L | 2320030 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 72 |
| 2 | Hexane, 2,3,3-trimethyl- | 128 | C9H20 | 016747-28-7 | 64 |
| 3 | Heptane, 4,4-dimethyl- | 128 | C9H20 | 001068-19-5 | 64 |
| 4 | Hexane, 2,3,3-trimethyl- | 128 | C9H20 | 016747-28-7 | 64 |
| 5 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 62 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

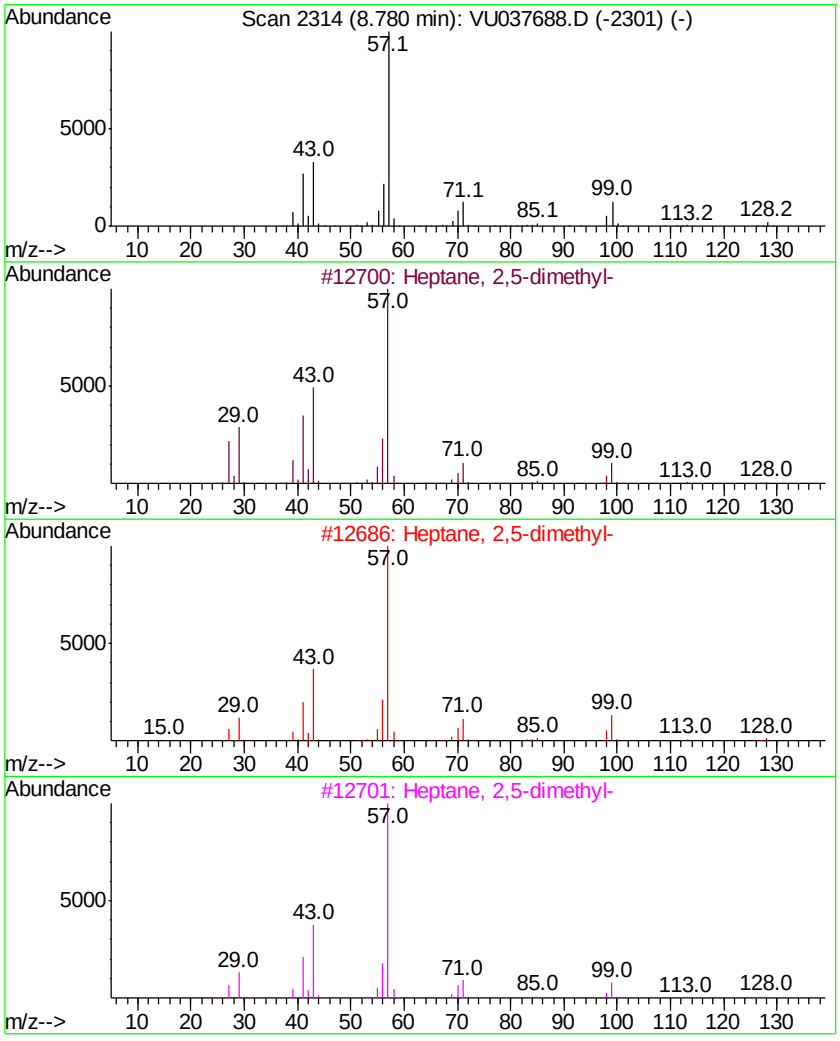
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

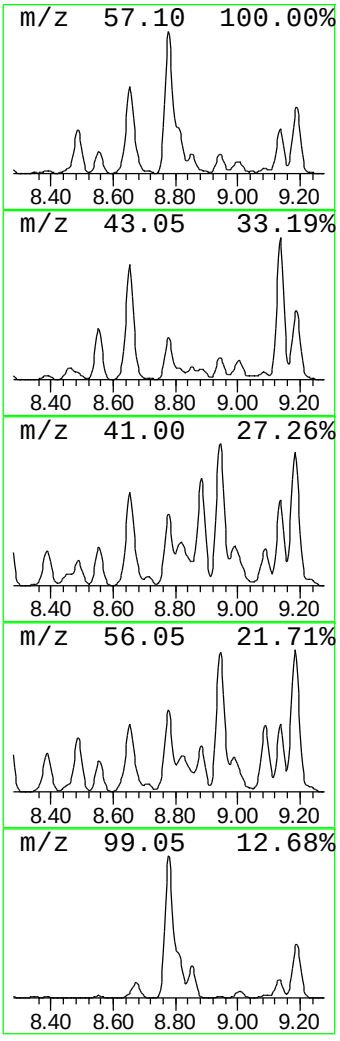
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.78 | 97.53 ug/L | 3429370 | Chlorobenzene-d5 | 9.44 |

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

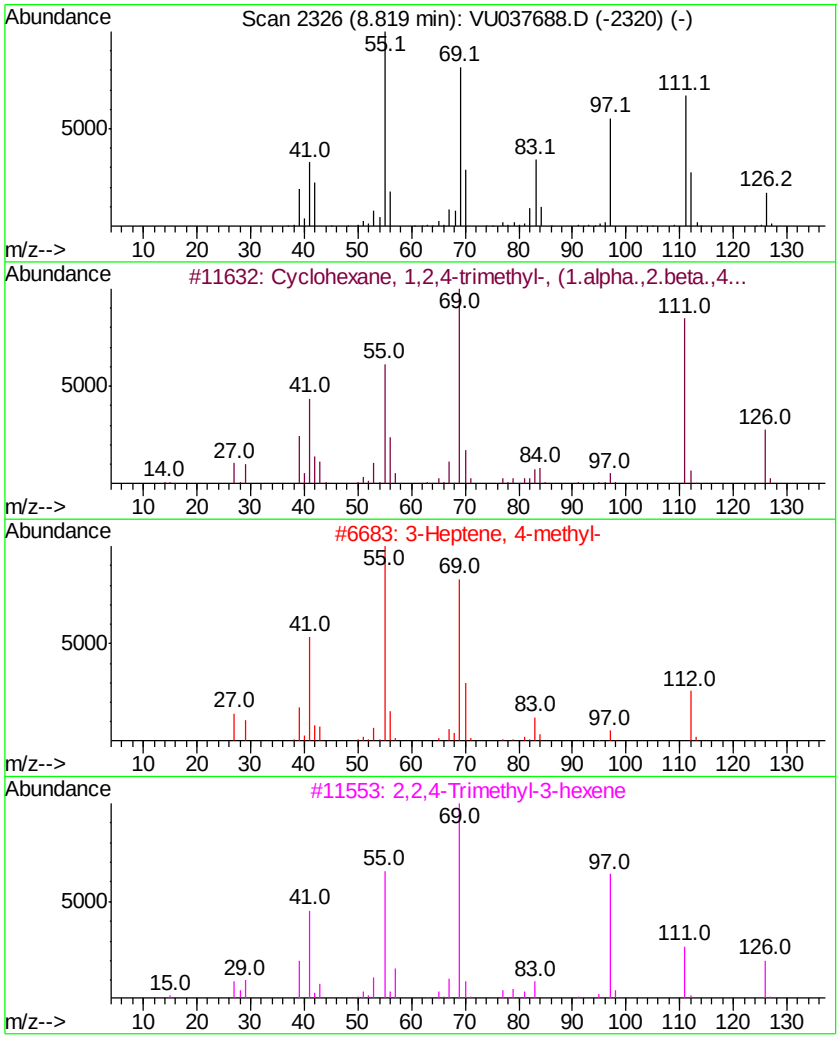
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

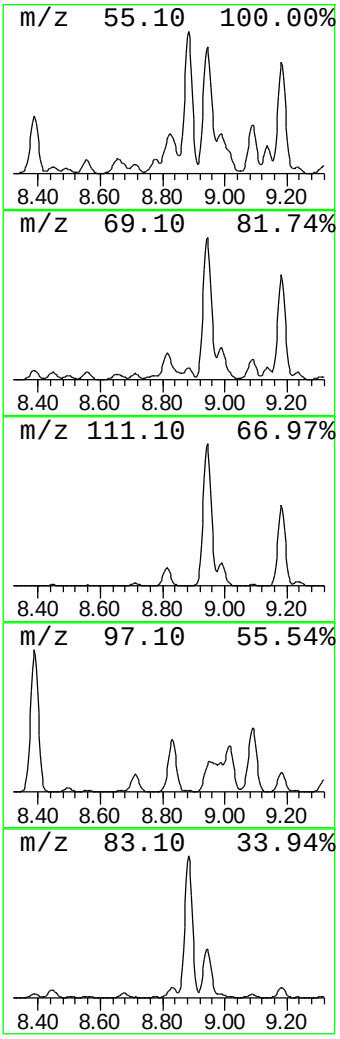
**********

Peak Number 23 (DEL) Alkane: Cyclic8.82 Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.82 | 101.31 ug/L | 3562360 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2,4-trimethyl-, (... | 126 | C9H18 | 007667-60-9 | 60 |
| 2 | 3-Heptene, 4-methyl- | 112 | C8H16 | 004485-16-9 | 46 |
| 3 | 2,2,4-Trimethyl-3-hexene | 126 | C9H18 | 059643-72-0 | 46 |
| 4 | 2-Pyrazoline, 1-isopropyl-5-methyl- | 126 | C7H14N2 | 026964-54-5 | 46 |
| 5 | Cyclohexane, 1,3,5-trimethyl- | 126 | C9H18 | 001839-63-0 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

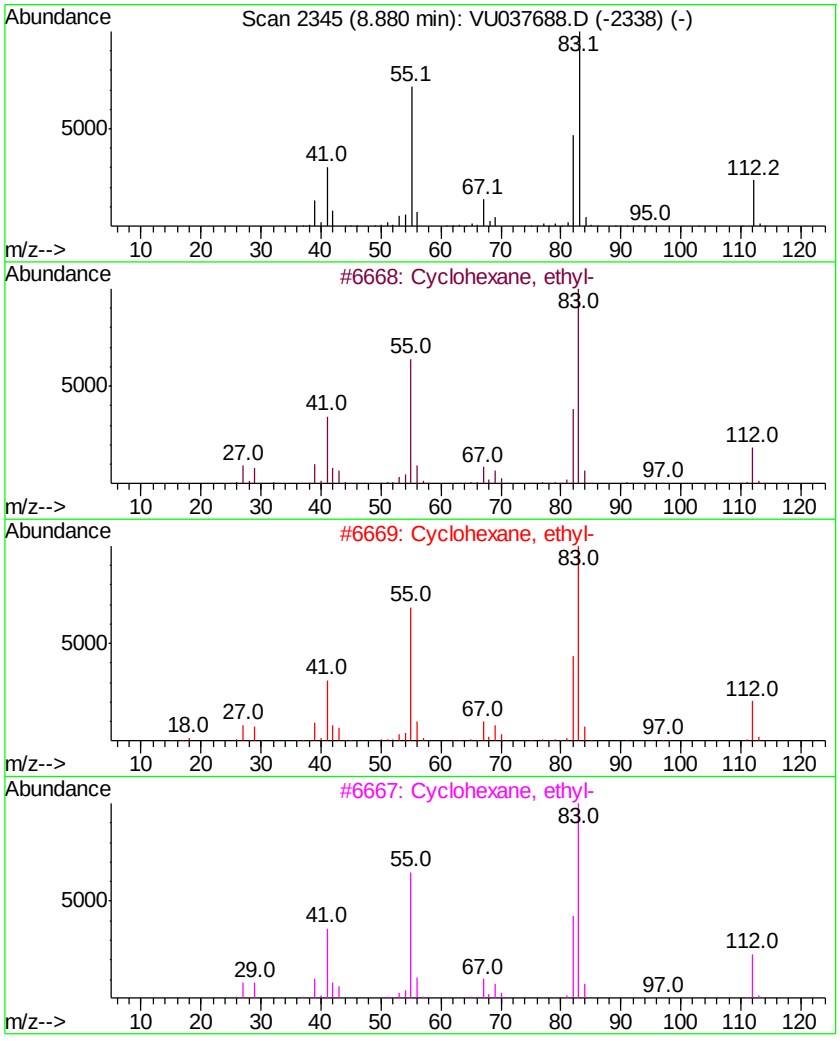
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

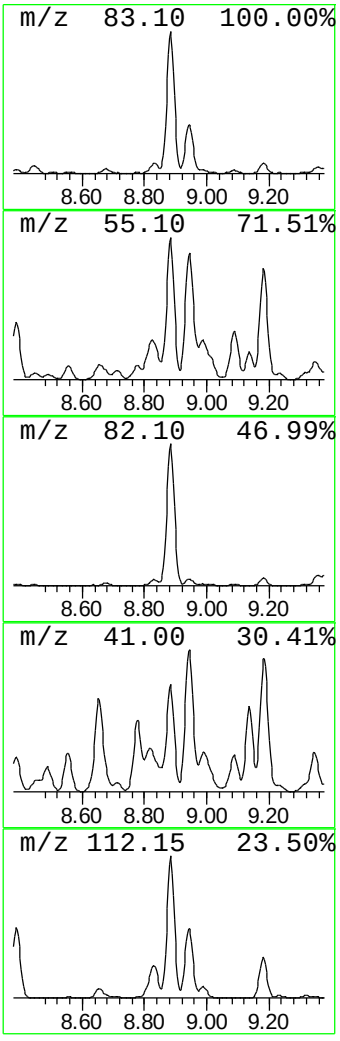
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 (DEL) Alkane: Cyclic8.88 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.88 | 165.30 ug/L | 5812390 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 87 |
| 2 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 87 |
| 3 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 86 |
| 4 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 78 |
| 5 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

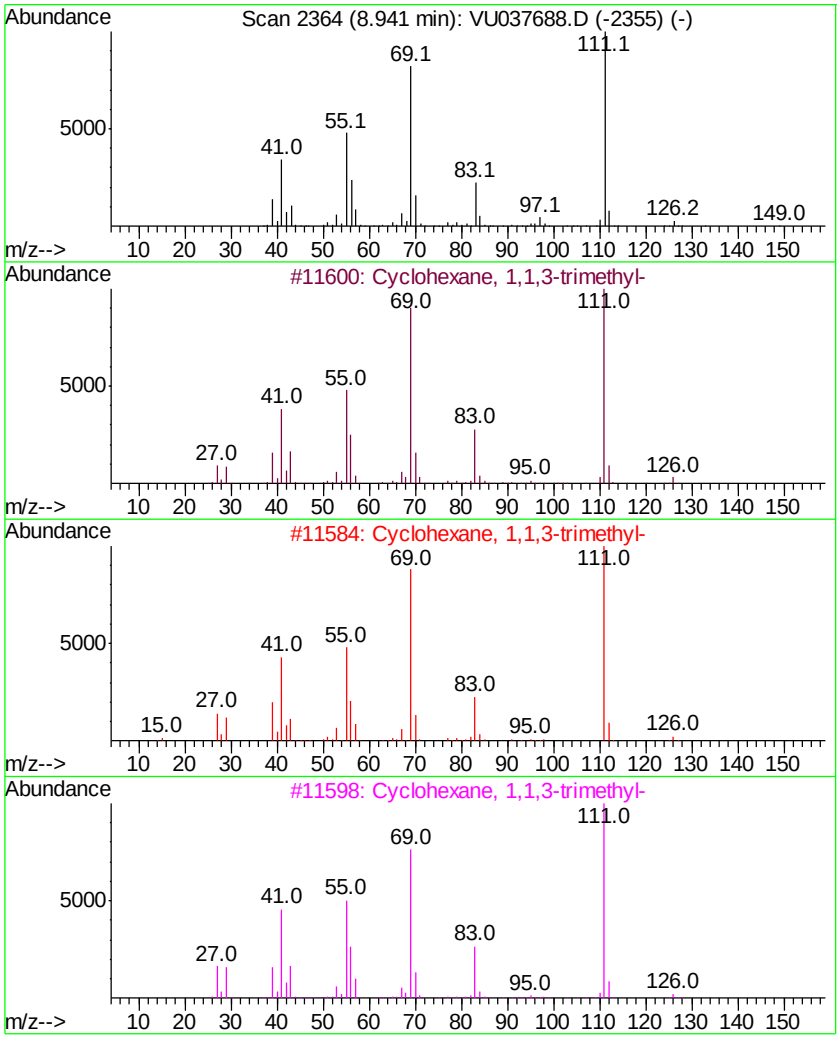
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

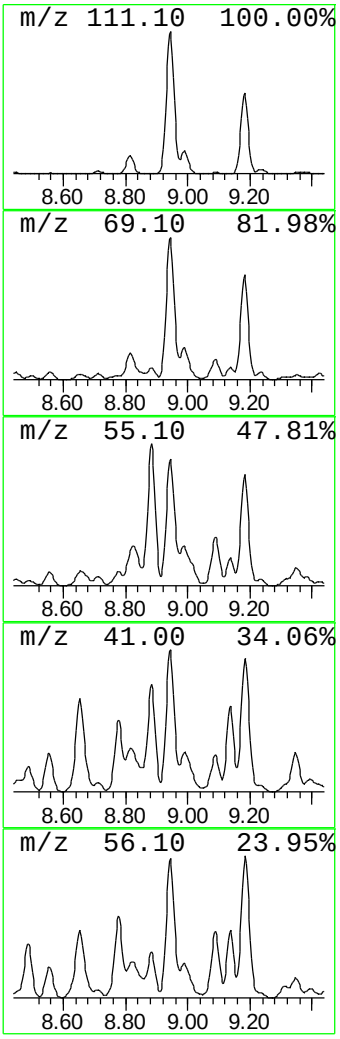
**********

Peak Number 25 (DEL) Alkane: Cyclic8.94 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.94 | 271.22 ug/L | 9536920 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 95 |
| 2 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 95 |
| 3 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 95 |
| 4 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 81 |
| 5 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-26-2 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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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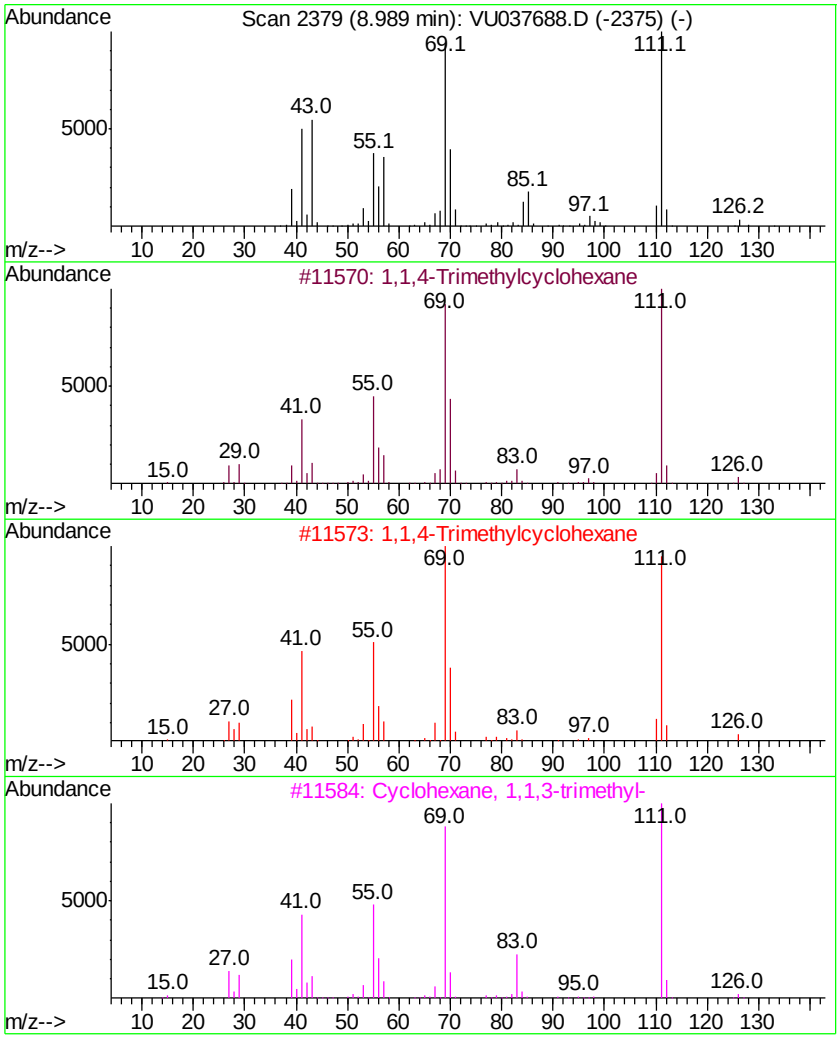
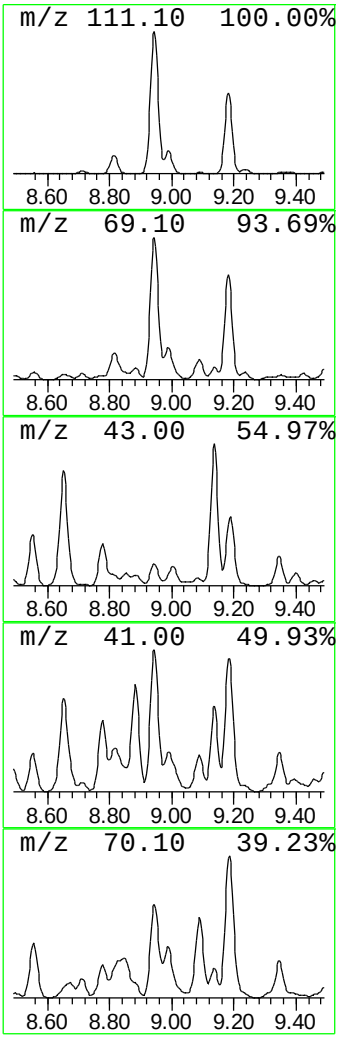
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.99 | 78.07 ug/L | 2745290 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1,4-Trimethylcyclohexane | 126 | C9H18 | 007094-27-1 | 90 |
| 2 | 1,1,4-Trimethylcyclohexane | 126 | C9H18 | 007094-27-1 | 80 |
| 3 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 76 |
| 4 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 68 |
| 5 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

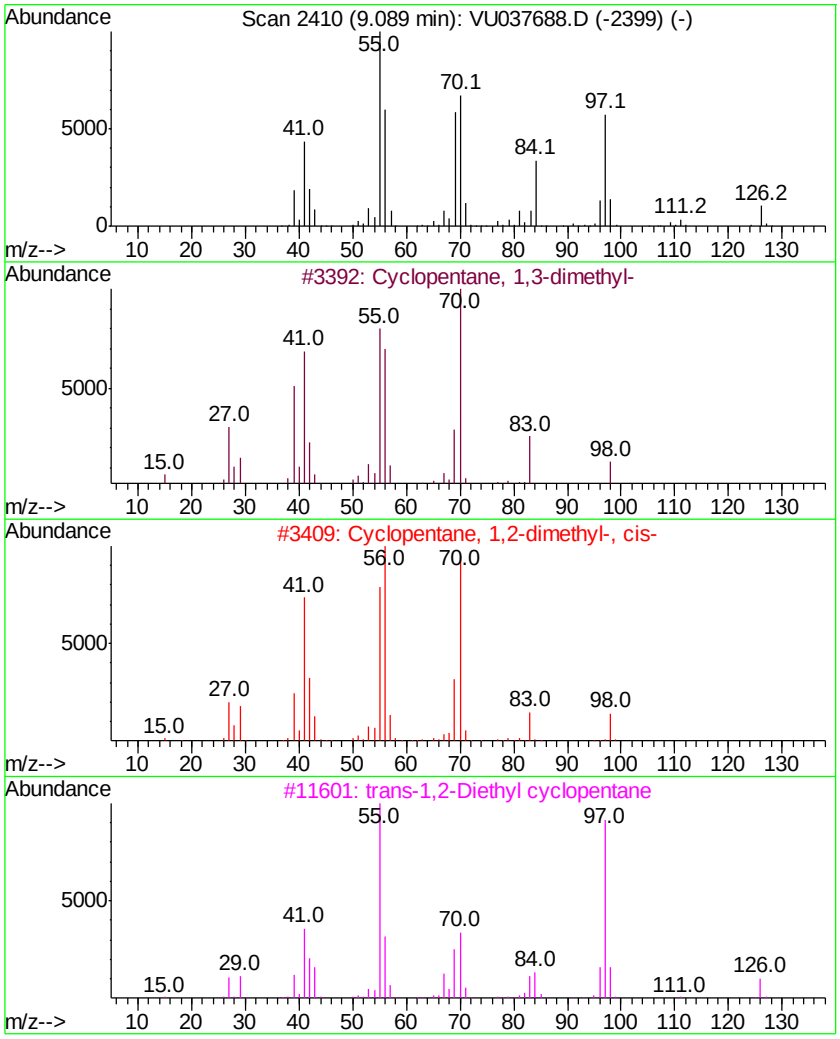
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

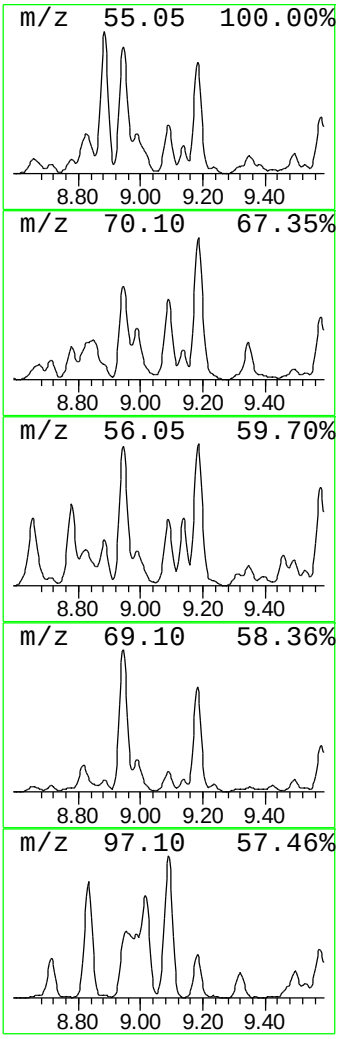
**********

Peak Number 27 (DEL) Alkane: Cyclic9.09 Concentration Rank 39

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.09 | 65.58 ug/L | 2305830 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 49 |
| 2 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 49 |
| 3 | trans-1,2-Diethyl cyclopentane | 126 | C9H18 | 000932-40-1 | 47 |
| 4 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 46 |
| 5 | trans-1,3-Diethylcyclopentane | 126 | C9H18 | 1000113-87-1 | 46 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

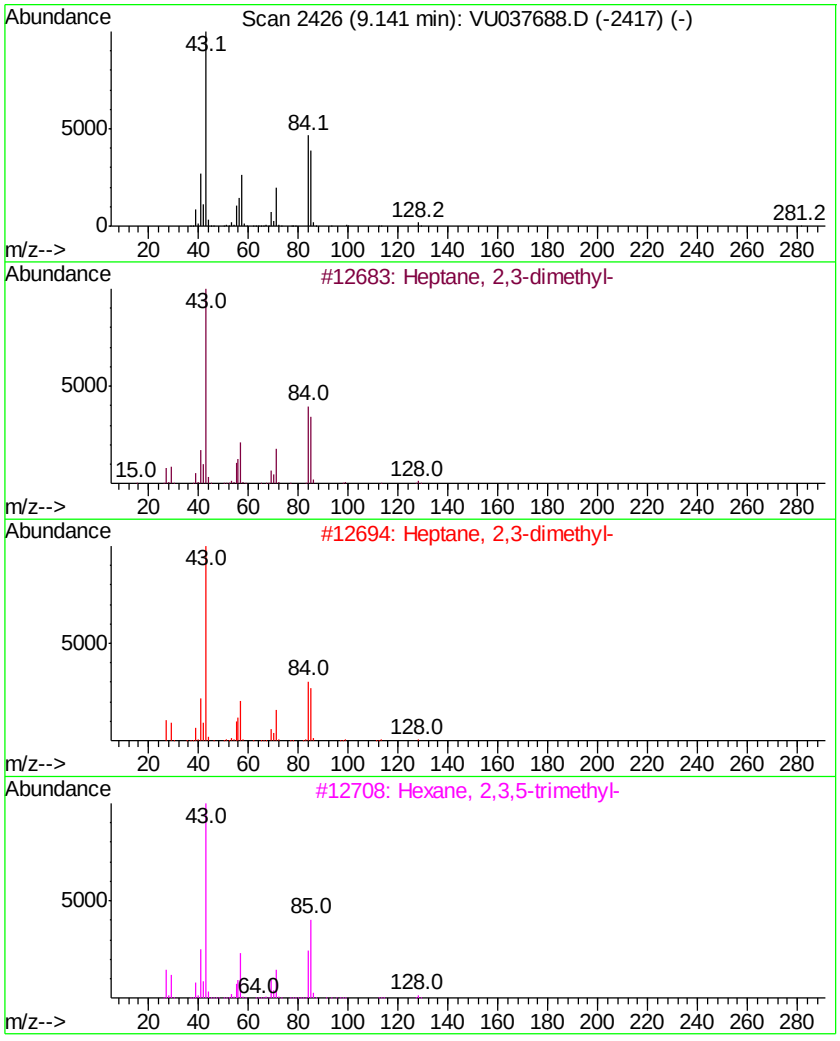
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

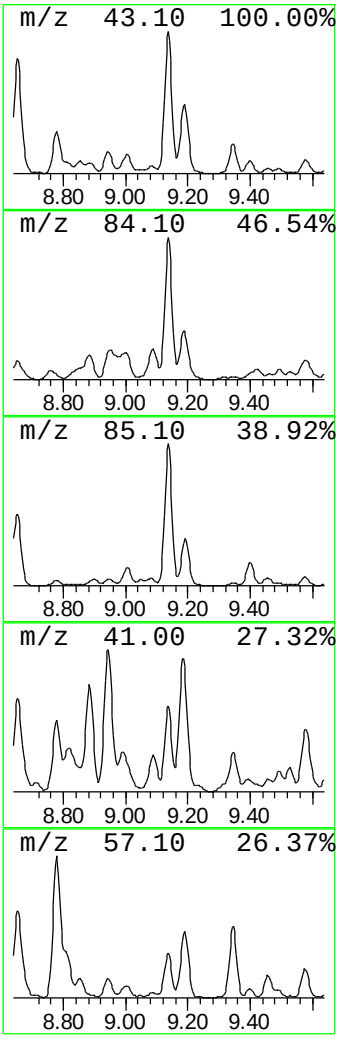
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.14 | 123.45 ug/L | 4340880 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 94 |
| 2 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 83 |
| 3 | Hexane, 2,3,5-trimethyl- | 128 | C9H20 | 001069-53-0 | 74 |
| 4 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 68 |
| 5 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

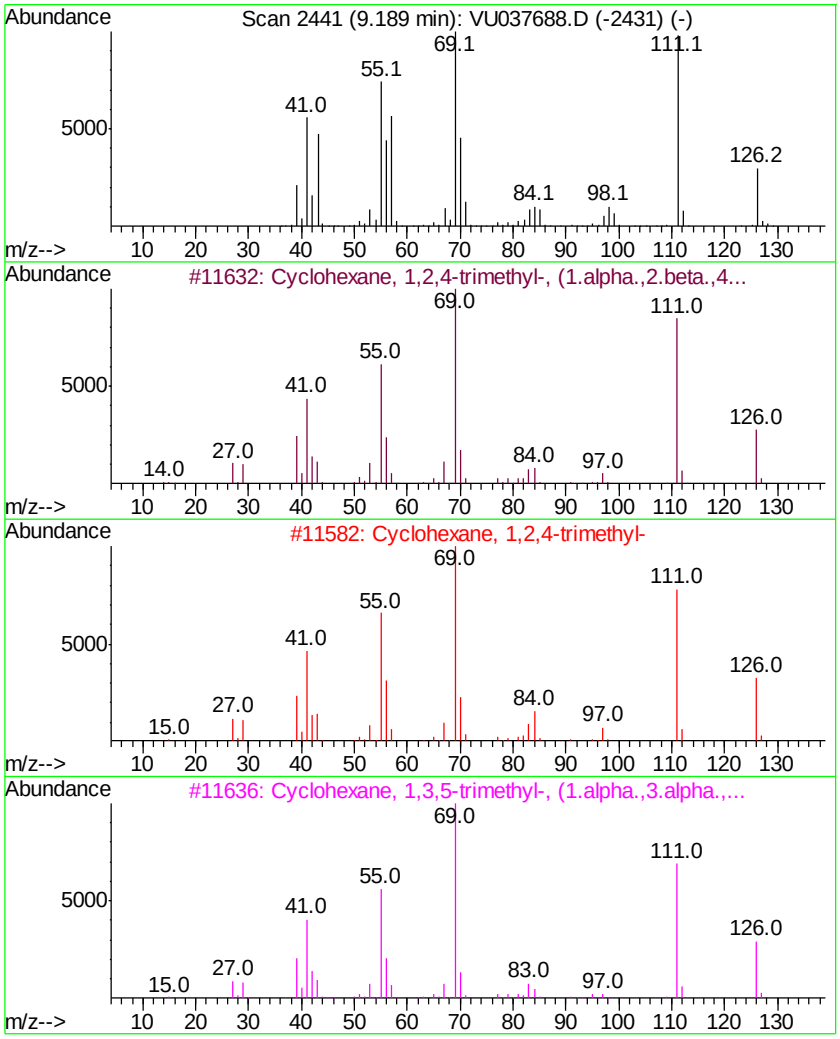
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

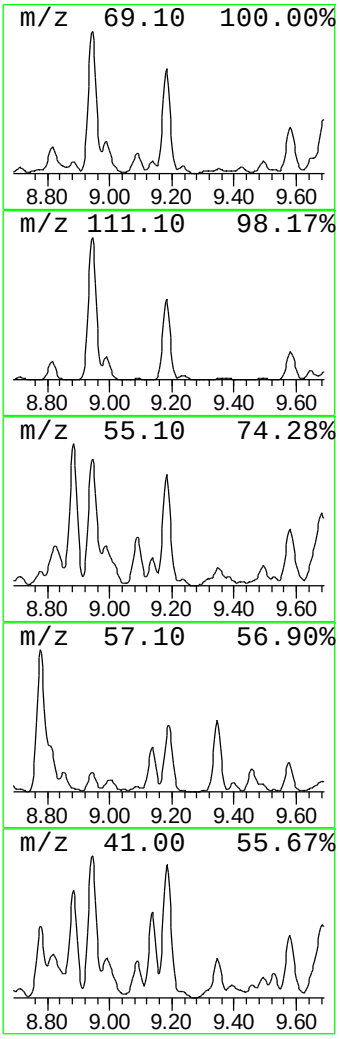
**********

Peak Number 29 (DEL) Alkane: Cyclic9.19 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.19 | 240.93 ug/L | 8471850 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2,4-trimethyl-, (... | 126 | C9H18 | 007667-60-9 | 93 |
| 2 | Cyclohexane, 1,2,4-trimethyl- | 126 | C9H18 | 002234-75-5 | 80 |
| 3 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-26-2 | 76 |
| 4 | Cyclohexane, 1,2,4-trimethyl- | 126 | C9H18 | 002234-75-5 | 76 |
| 5 | Cyclohexane, 1,2,3-trimethyl-, (... | 126 | C9H18 | 001678-81-5 | 74 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

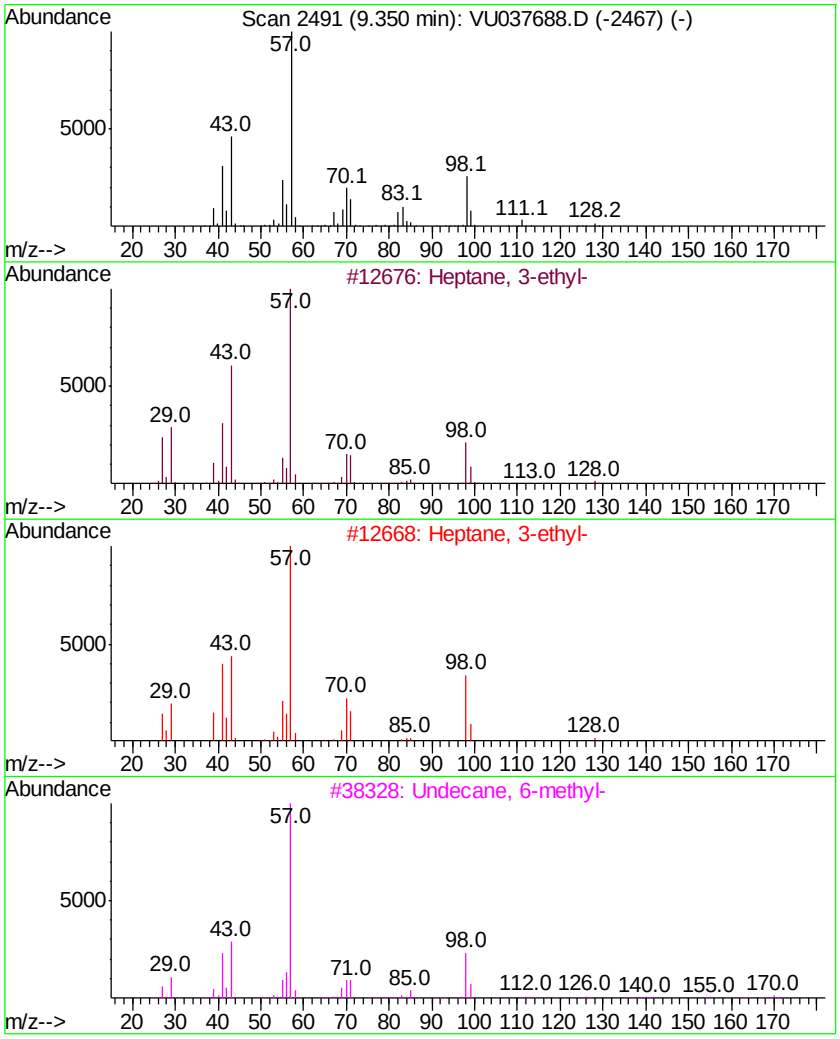
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

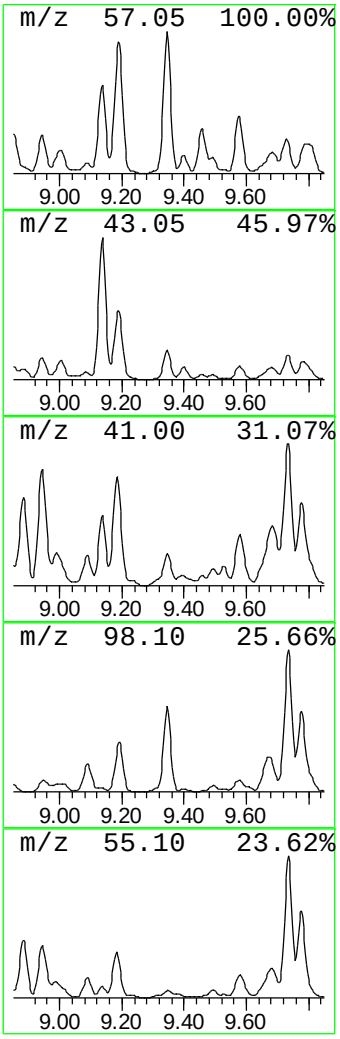
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.35 | 77.94 ug/L | 2740730 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3-ethyl- | 128 | C9H20 | 015869-80-4 | 91 |
| 2 | Heptane, 3-ethyl- | 128 | C9H20 | 015869-80-4 | 87 |
| 3 | Undecane, 6-methyl- | 170 | C12H26 | 017302-33-9 | 59 |
| 4 | Heptane, 3-ethyl-2-methyl- | 142 | C10H22 | 014676-29-0 | 59 |
| 5 | Octane, 2,3-dimethyl- | 142 | C10H22 | 007146-60-3 | 59 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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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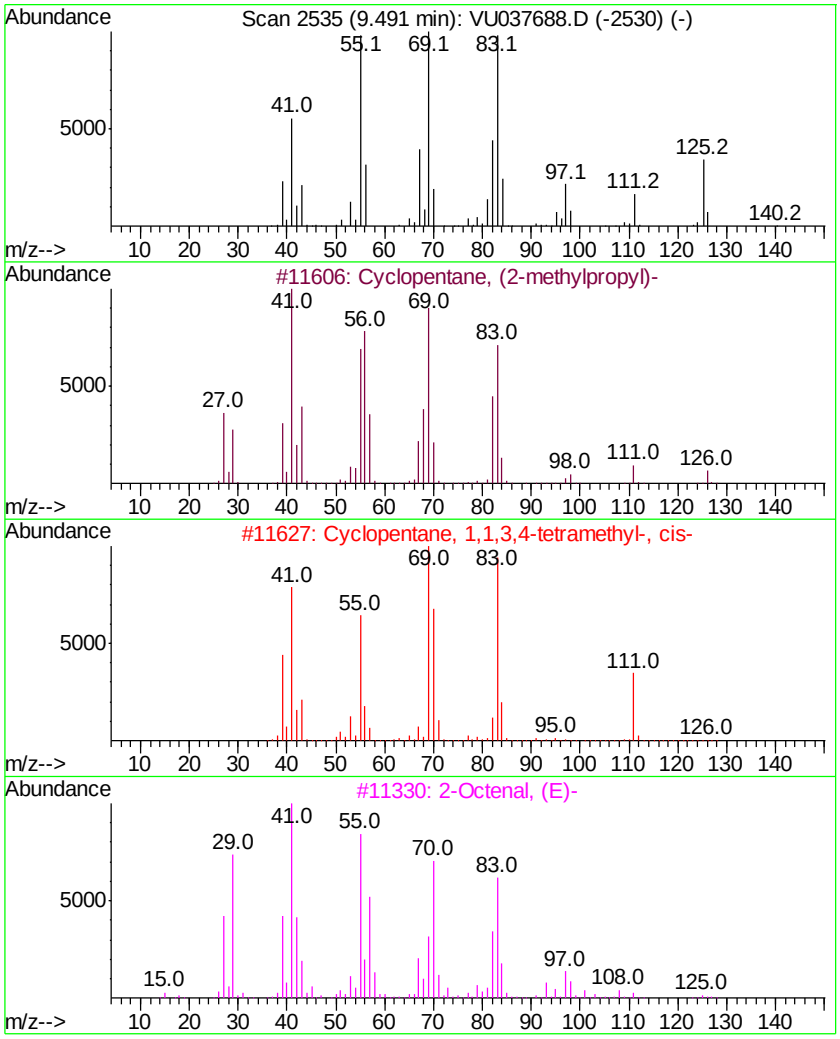
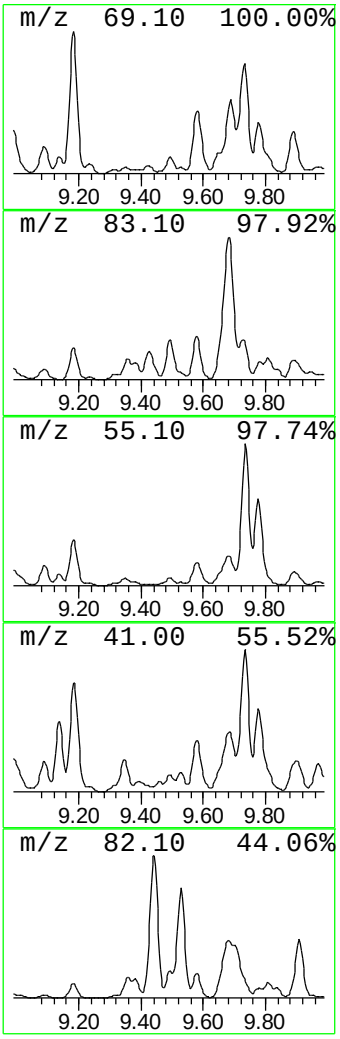
Peak Number 31 (DEL) Alkane: Cyclic9.49 Concentration Rank 65

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.49 | 14.26 ug/L | 501381 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, (2-methylpropyl)- | 126 | C9H18 | 003788-32-7 | 50 |
| 2 | Cyclopentane, 1,1,3,4-tetramethy... | 126 | C9H18 | 053907-60-1 | 43 |
| 3 | 2-Octenal, (E)- | 126 | C8H14O | 002548-87-0 | 43 |
| 4 | Cyclopentane, 1-methyl-3-(1-meth... | 126 | C9H18 | 053771-88-3 | 38 |
| 5 | Cyclohexane, 2-propenyl- | 124 | C9H16 | 002114-42-3 | 35 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

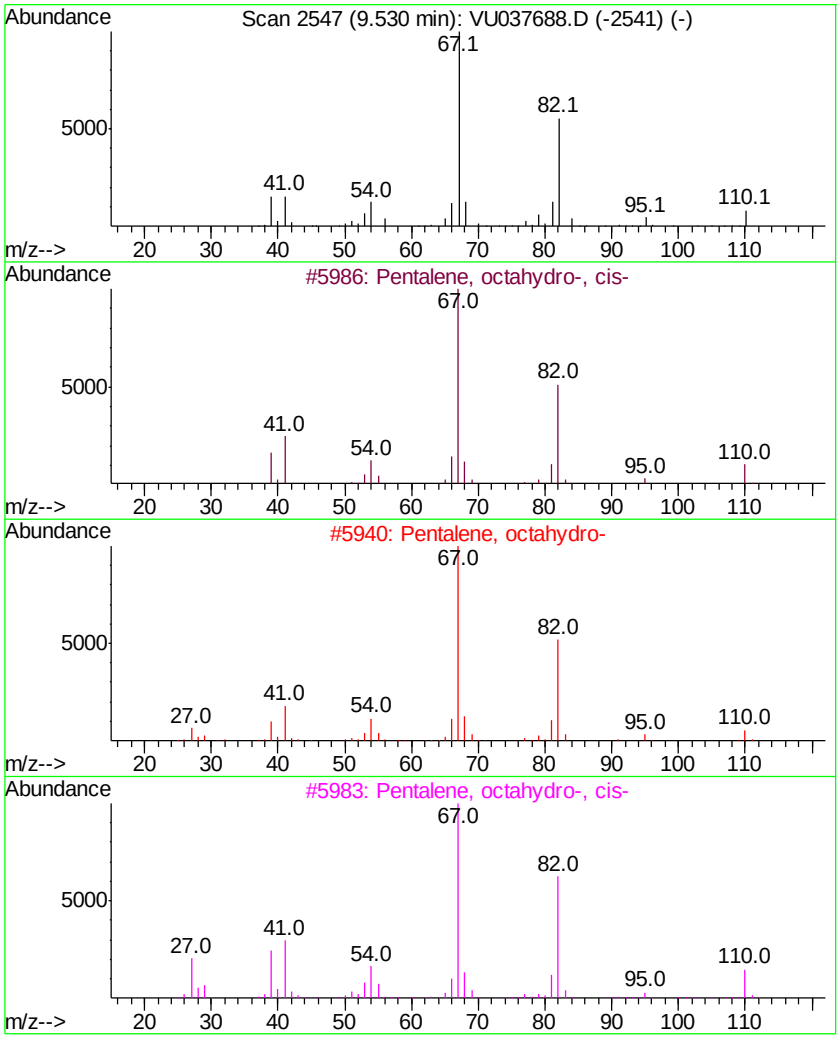
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

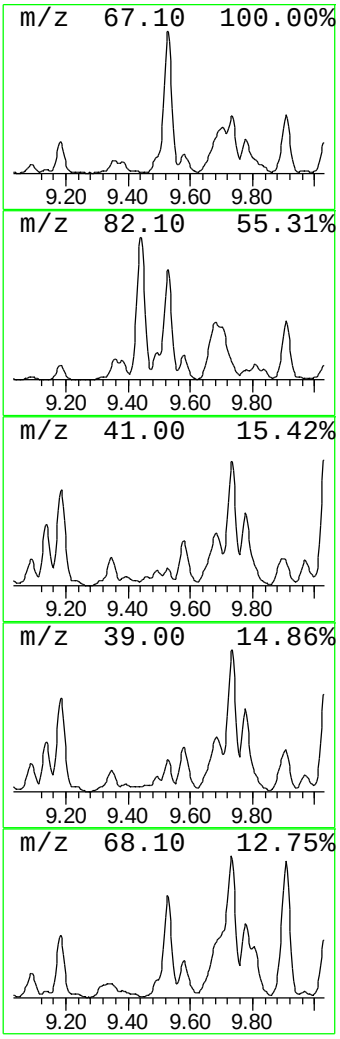
**********

Peak Number 32 Pentalene, octahydro-, cis- Concentration Rank 55

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.53 | 27.51 ug/L | 967242 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentalene, octahydro-, cis- | 110 | C8H14 | 001755-05-1 | 91 |
| 2 | Pentalene, octahydro- | 110 | C8H14 | 000694-72-4 | 91 |
| 3 | Pentalene, octahydro-, cis- | 110 | C8H14 | 001755-05-1 | 91 |
| 4 | Pentalene, octahydro-, cis- | 110 | C8H14 | 001755-05-1 | 90 |
| 5 | Pentalene, octahydro-, cis- | 110 | C8H14 | 001755-05-1 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

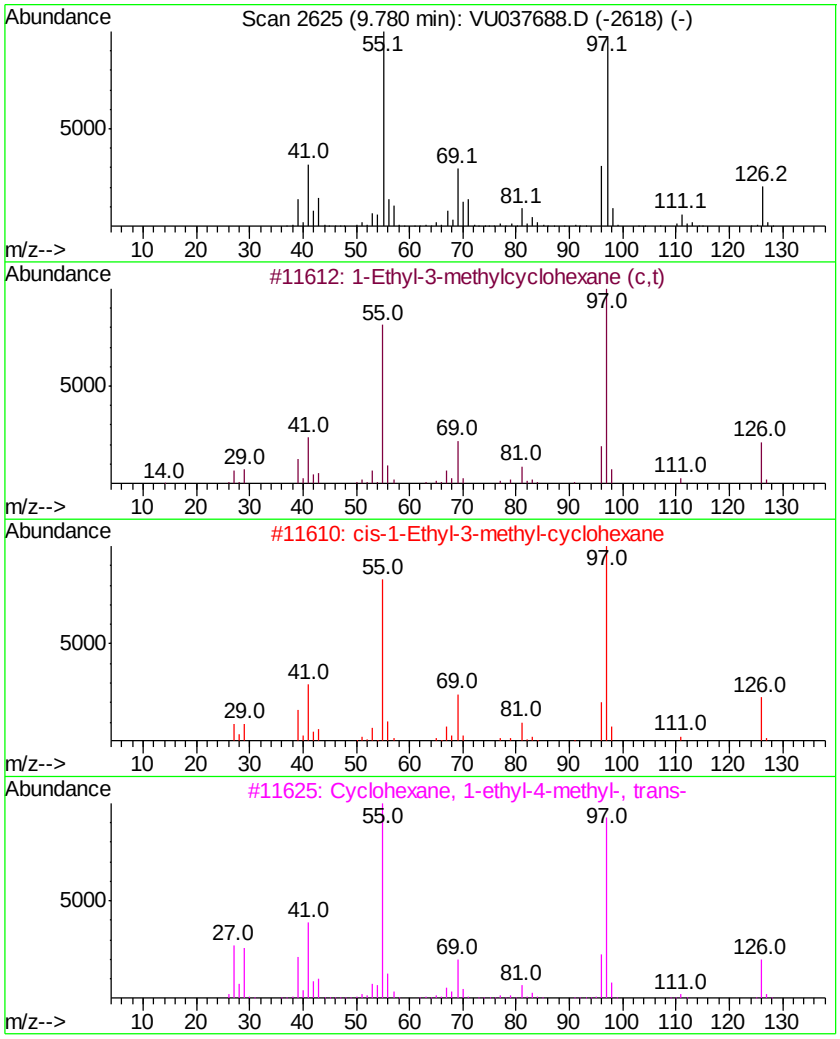
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

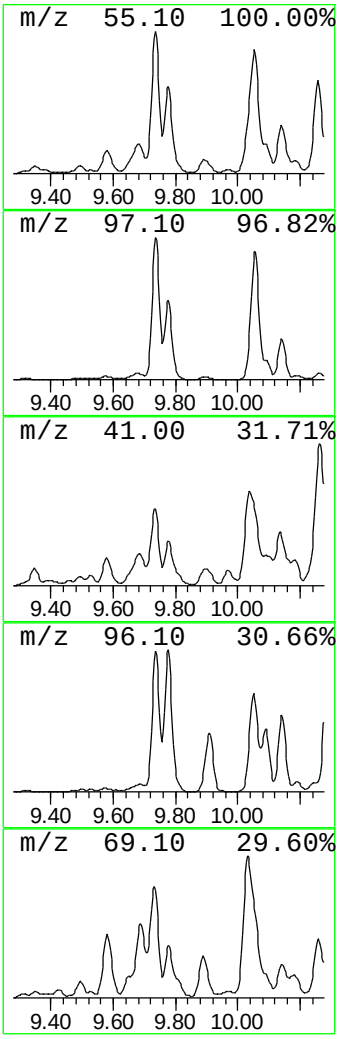
**********

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.78 | 244.97 ug/L | 8613740 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Ethyl-3-methylcyclohexane (c,t) | 126 | C9H18 | 003728-55-0 | 93 |
| 2 | cis-1-Ethyl-3-methyl-cyclohexane | 126 | C9H18 | 019489-10-2 | 93 |
| 3 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 006236-88-0 | 90 |
| 4 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 004926-78-7 | 90 |
| 5 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 006236-88-0 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

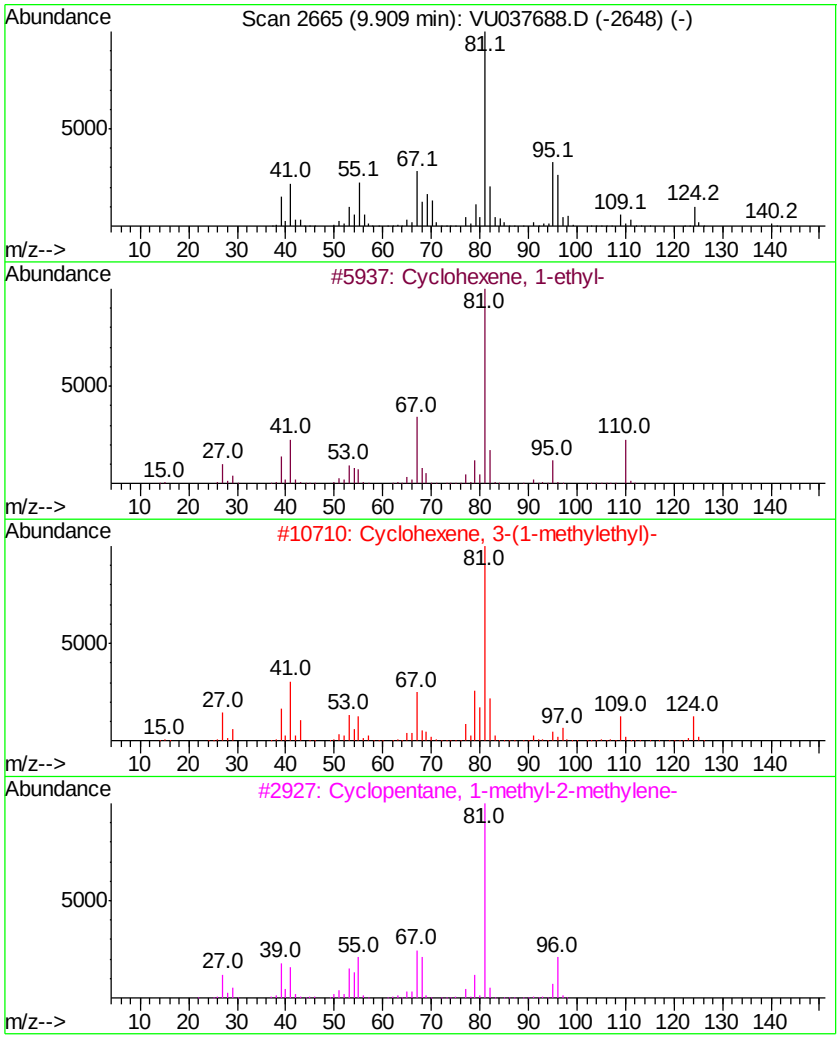
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

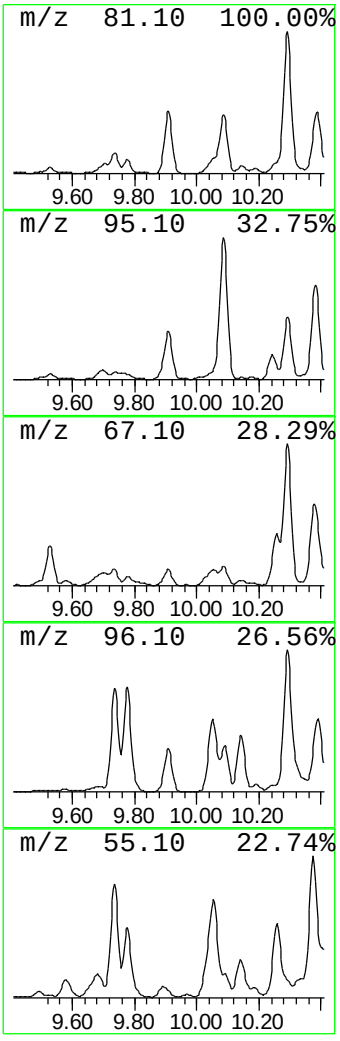
**********

Peak Number 34 Cyclohexene, 1-ethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.91 | 130.07 ug/L | 4573590 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexene, 1-ethyl- | 110 | C8H14 | 001453-24-3 | 53 |
| 2 | Cyclohexene, 3-(1-methylethyl)- | 124 | C9H16 | 003983-08-2 | 53 |
| 3 | Cyclopentane, 1-methyl-2-methylene- | 96 | C7H12 | 041158-41-2 | 50 |
| 4 | 1-Chloro-4-methylcyclohexane | 132 | C7H13Cl | 000931-68-0 | 50 |
| 5 | Cyclopentene, 1,5-dimethyl- | 96 | C7H12 | 016491-15-9 | 47 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

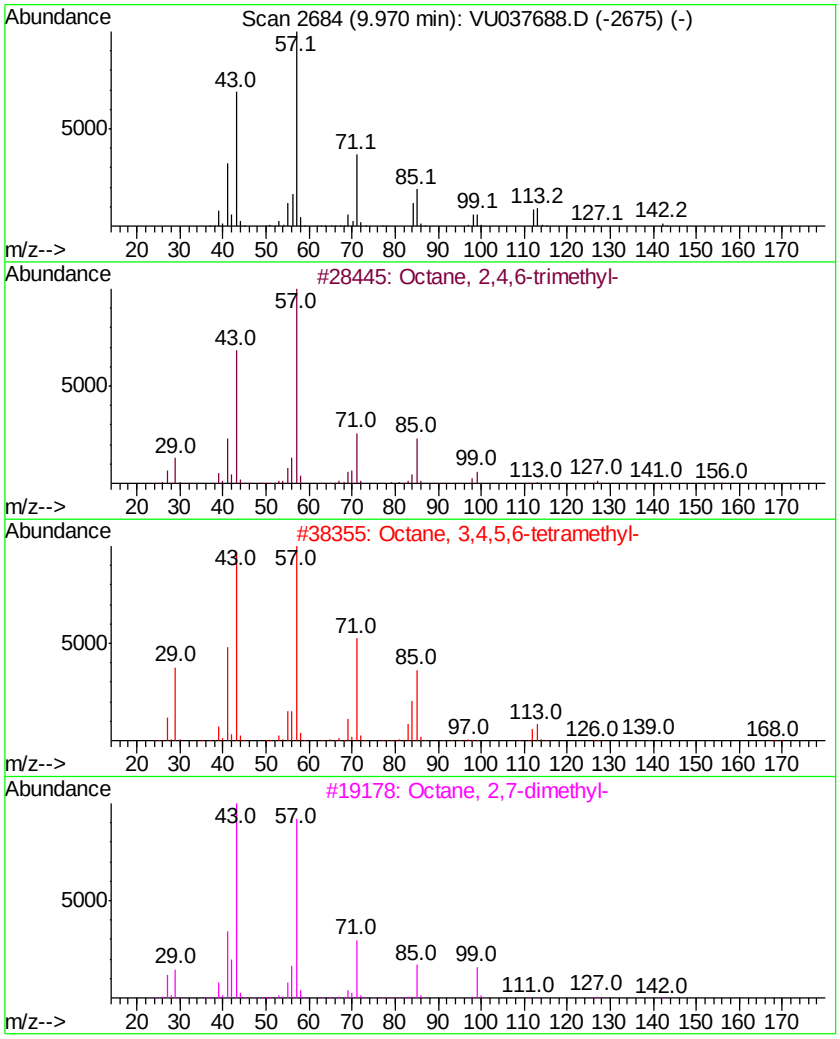
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

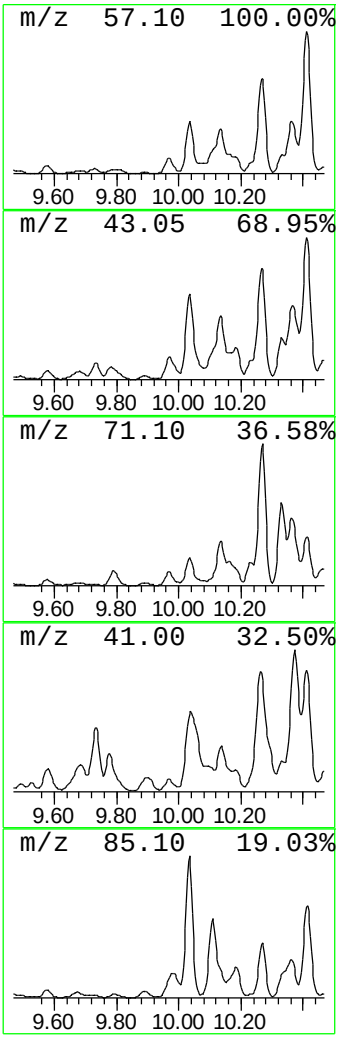
**********

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 45

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.97 | 50.40 ug/L | 1772150 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 59 |
| 2 | Octane, 3,4,5,6-tetramethyl- | 170 | C12H26 | 062185-21-1 | 59 |
| 3 | Octane, 2,7-dimethyl- | 142 | C10H22 | 001072-16-8 | 58 |
| 4 | Octane, 3,5-dimethyl- | 142 | C10H22 | 015869-93-9 | 58 |
| 5 | Decane, 3,6-dimethyl- | 170 | C12H26 | 017312-53-7 | 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

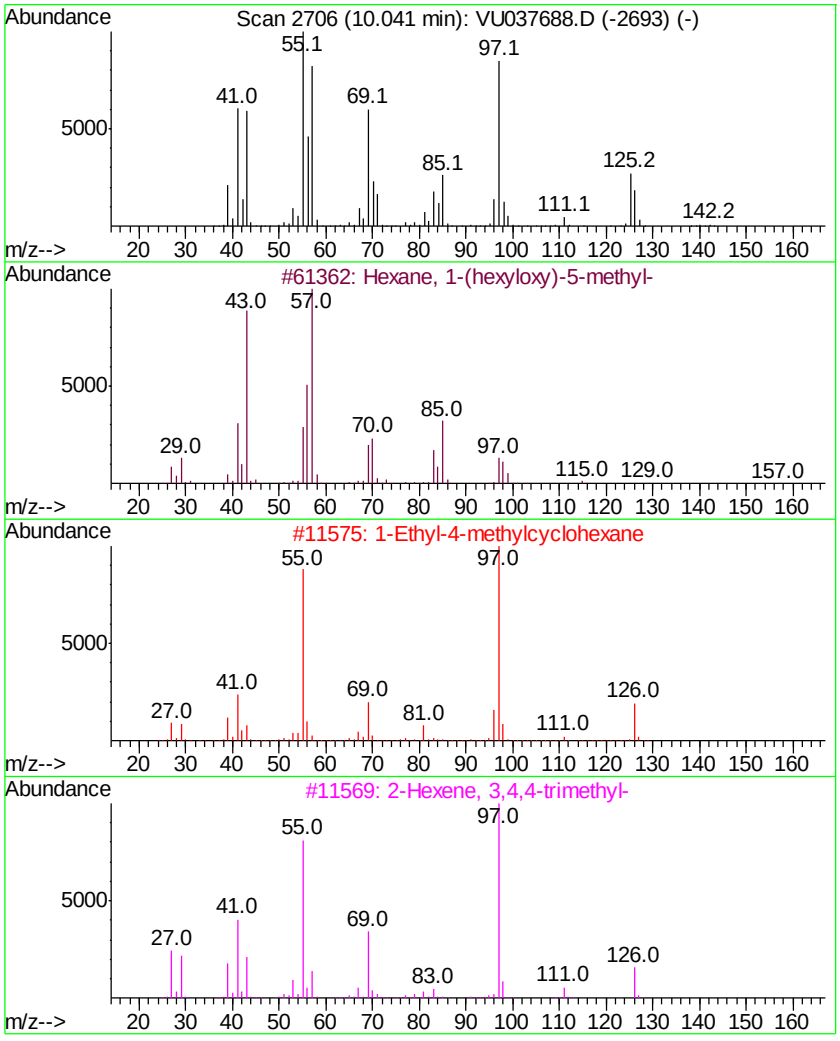
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

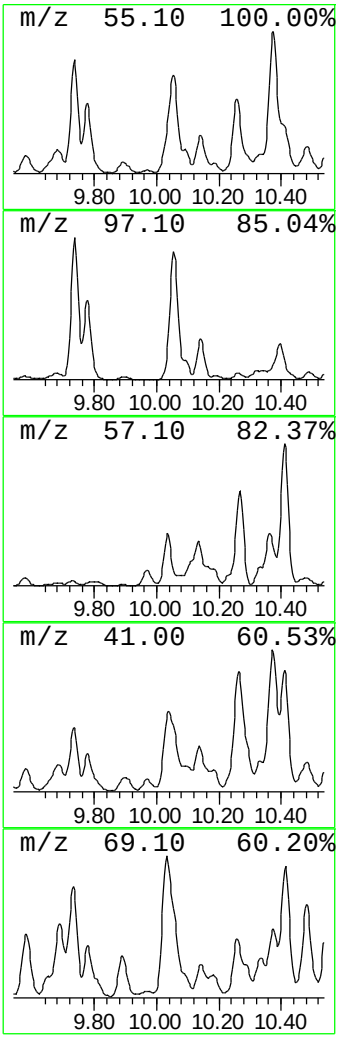
**********

Peak Number 36 unknown-01 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.04 | 607.37 ug/L | 21356700 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 1-(hexyloxy)-5-methyl- | 200 | C13H28O | 074421-19-5 | 43 |
| 2 | 1-Ethyl-4-methylcyclohexane | 126 | C9H18 | 003728-56-1 | 41 |
| 3 | 2-Hexene, 3,4,4-trimethyl- | 126 | C9H18 | 053941-19-8 | 38 |
| 4 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 006236-88-0 | 38 |
| 5 | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18 | 004923-78-8 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

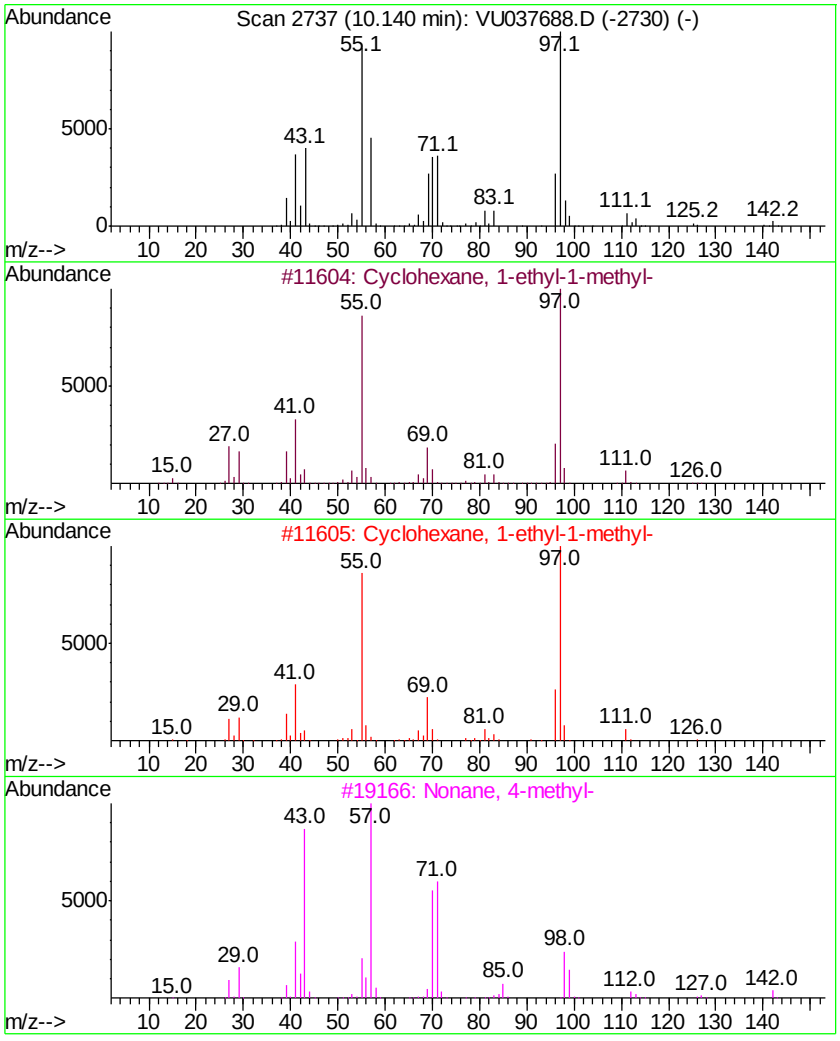
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

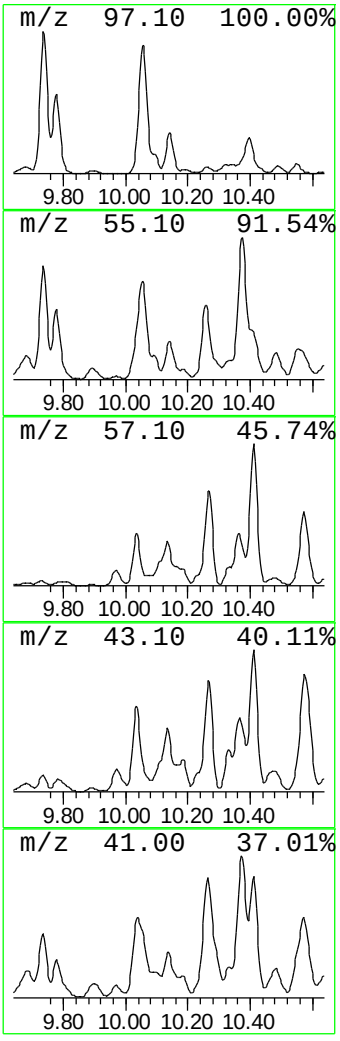
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 37 (DEL) Alkane: Cyclic10.14 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.14 | 117.38 ug/L | 4127520 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-ethyl-1-methyl- | 126 | C9H18 | 004926-90-3 | 60 |
| 2 | Cyclohexane, 1-ethyl-1-methyl- | 126 | C9H18 | 004926-90-3 | 60 |
| 3 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 46 |
| 4 | Ethanone, 1-(1-methylcyclohexyl)- | 140 | C9H16O | 002890-62-2 | 43 |
| 5 | 2-Pentene, 2,4,4-trimethyl- | 112 | C8H16 | 000107-40-4 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

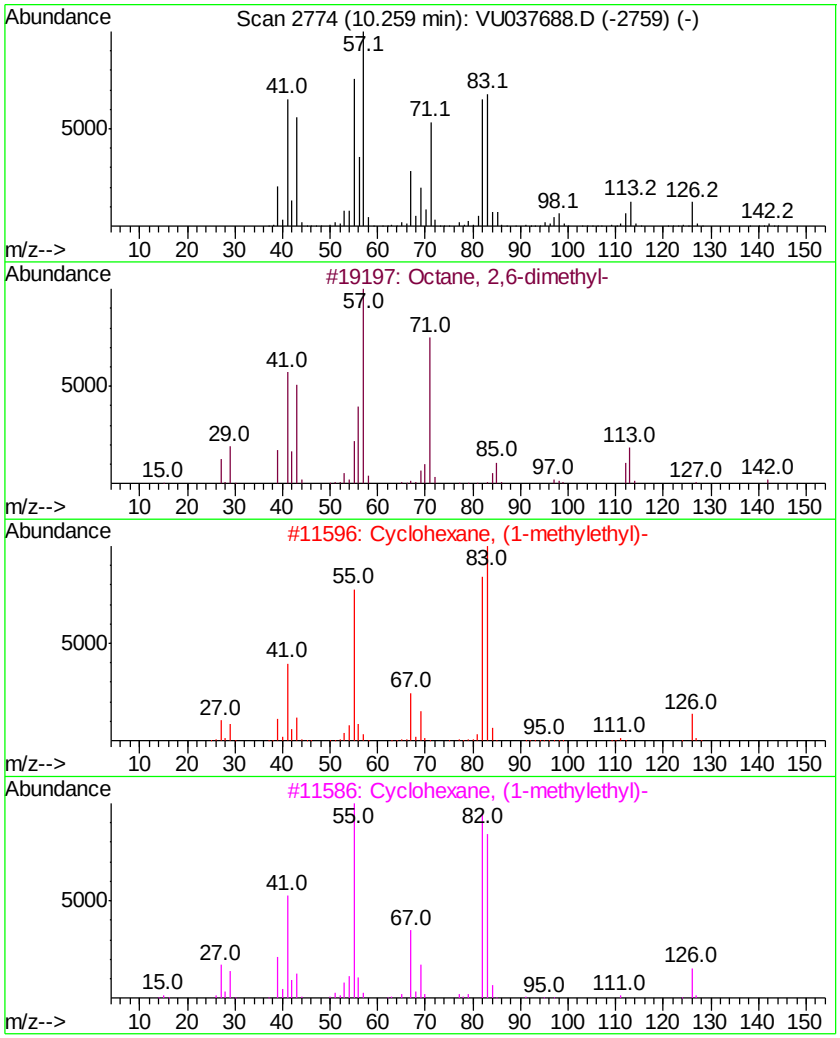
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

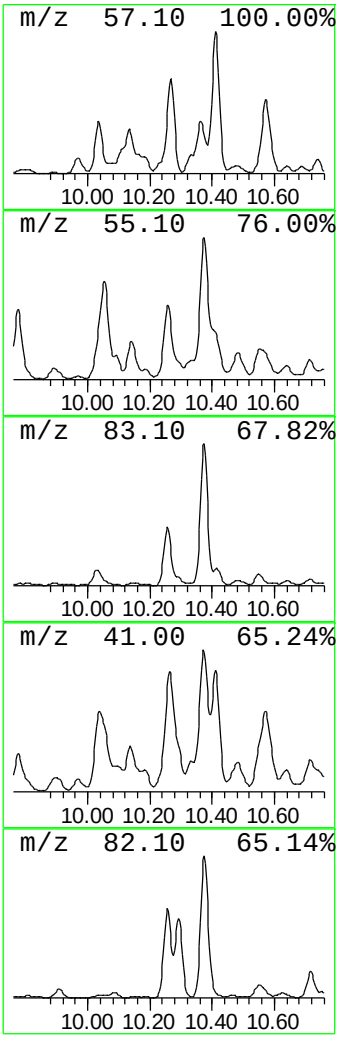
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.26 | 842.64 ug/L | 29629600 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 80 |
| 2 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 55 |
| 3 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 55 |
| 4 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 46 |
| 5 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 46 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

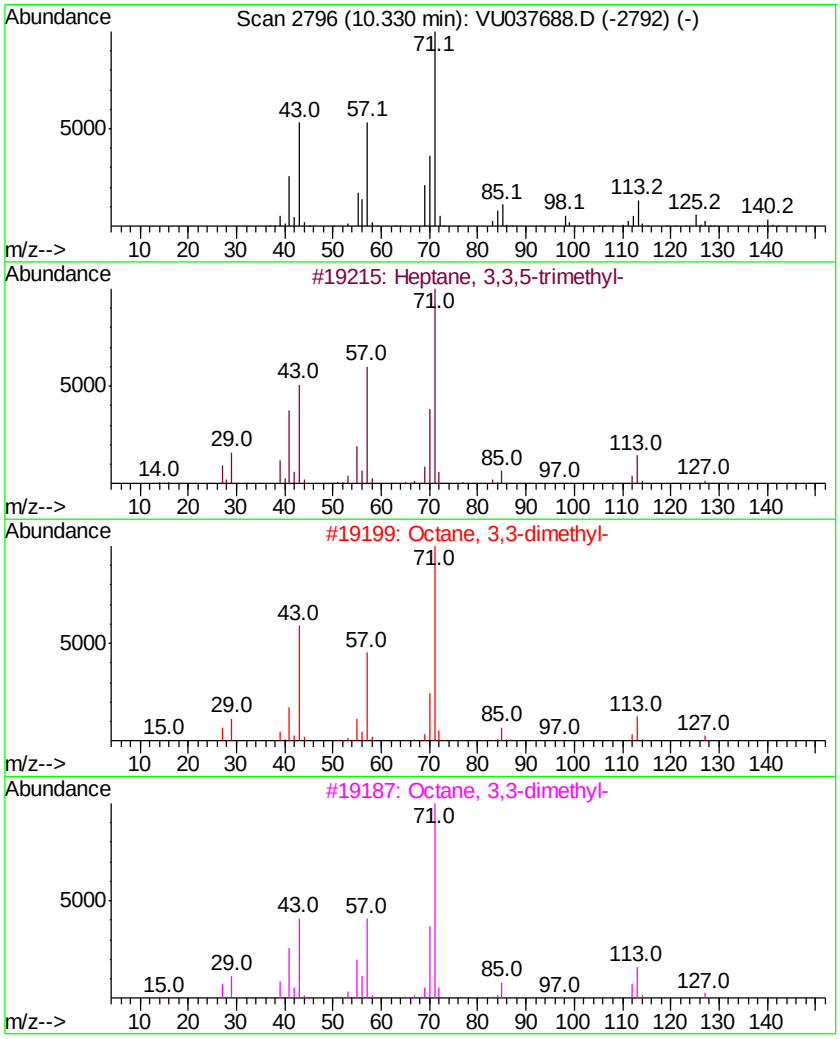
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

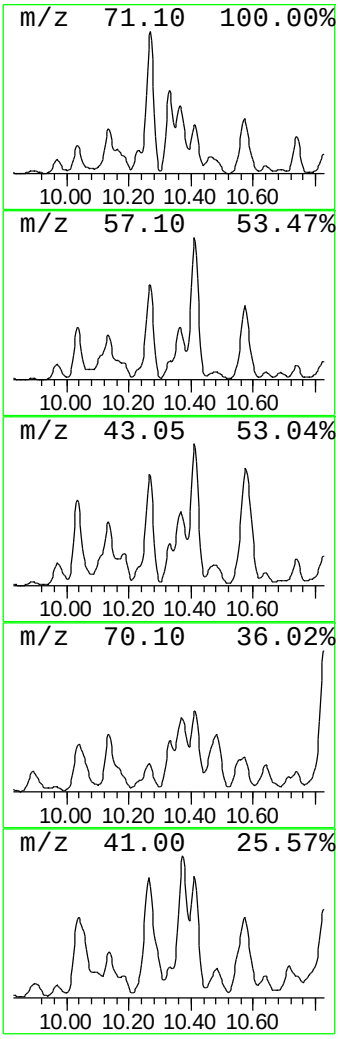
**********

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.33 | 104.17 ug/L | 3662830 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3,3,5-trimethyl- | 142 | C10H22 | 007154-80-5 | 86 |
| 2 | Octane, 3,3-dimethyl- | 142 | C10H22 | 004110-44-5 | 78 |
| 3 | Octane, 3,3-dimethyl- | 142 | C10H22 | 004110-44-5 | 78 |
| 4 | Heptane, 3,3,5-trimethyl- | 142 | C10H22 | 007154-80-5 | 72 |
| 5 | Hexane, 3,3,4,4-tetramethyl- | 142 | C10H22 | 005171-84-6 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

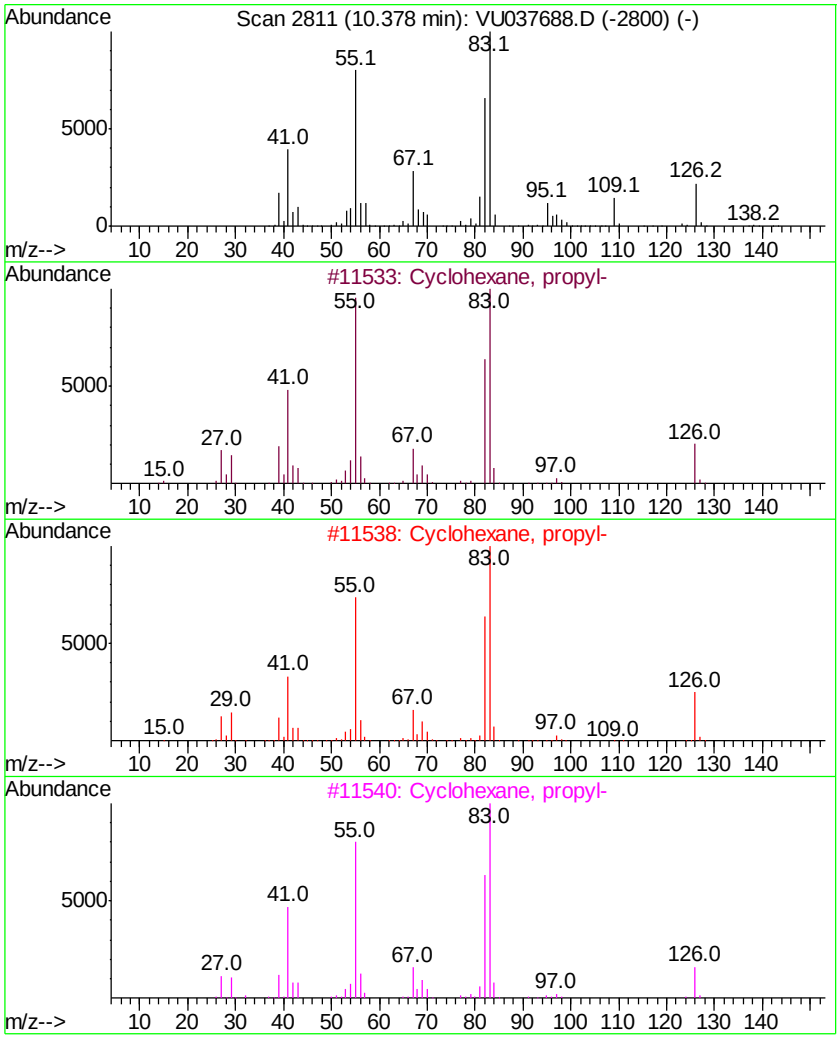
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

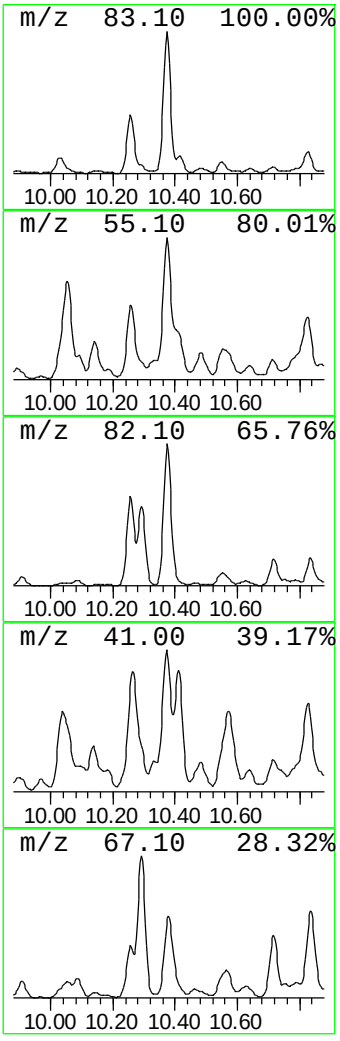
**********

Peak Number 40 (DEL) Alkane: Cyclic10.38 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.38 | 753.93 ug/L | 26510300 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 93 |
| 2 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 93 |
| 3 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 74 |
| 4 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 72 |
| 5 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

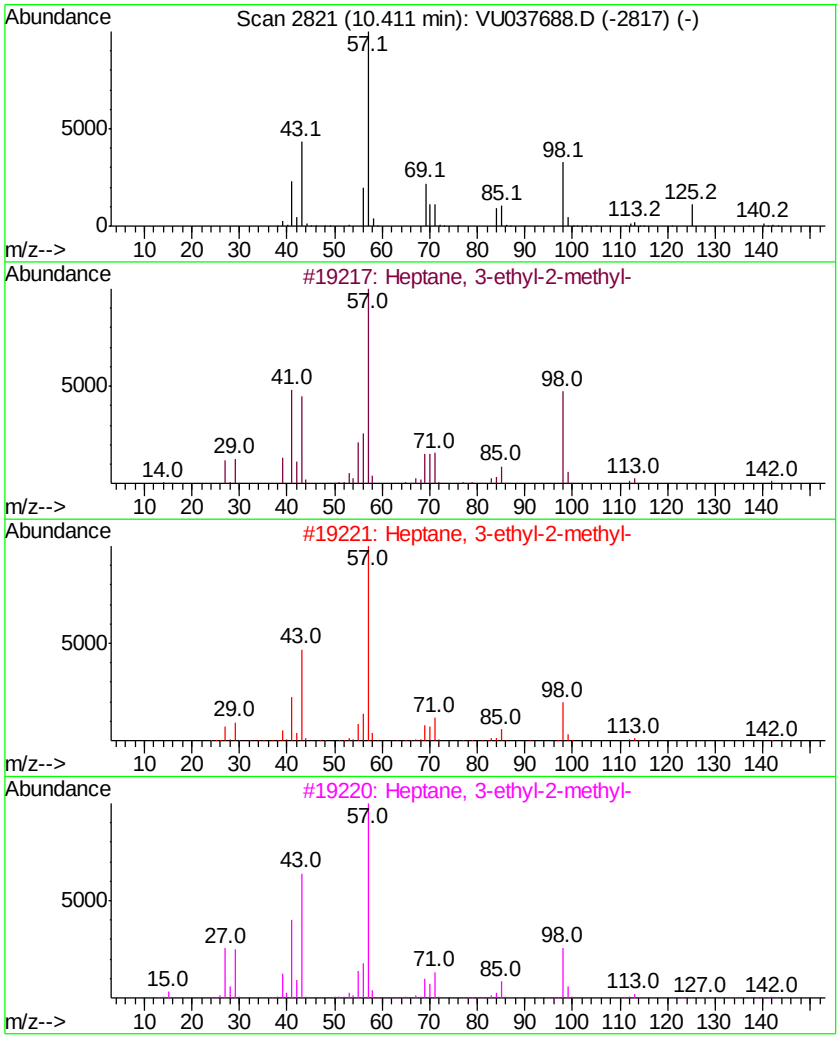
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

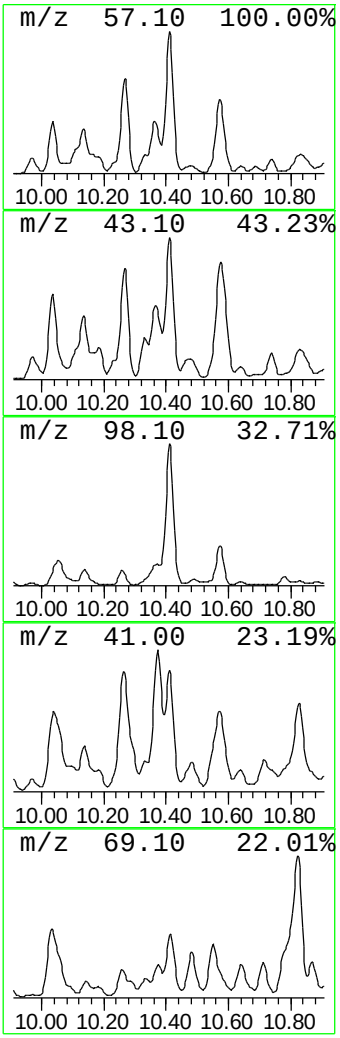
**********

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.41 | 436.68 ug/L | 15354800 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3-ethyl-2-methyl- | 142 | C10H22 | 014676-29-0 | 68 |
| 2 | Heptane, 3-ethyl-2-methyl- | 142 | C10H22 | 014676-29-0 | 64 |
| 3 | Heptane, 3-ethyl-2-methyl- | 142 | C10H22 | 014676-29-0 | 53 |
| 4 | Undecane, 6-methyl- | 170 | C12H26 | 017302-33-9 | 50 |
| 5 | Octane, 2,5,6-trimethyl- | 156 | C11H24 | 062016-14-2 | 47 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

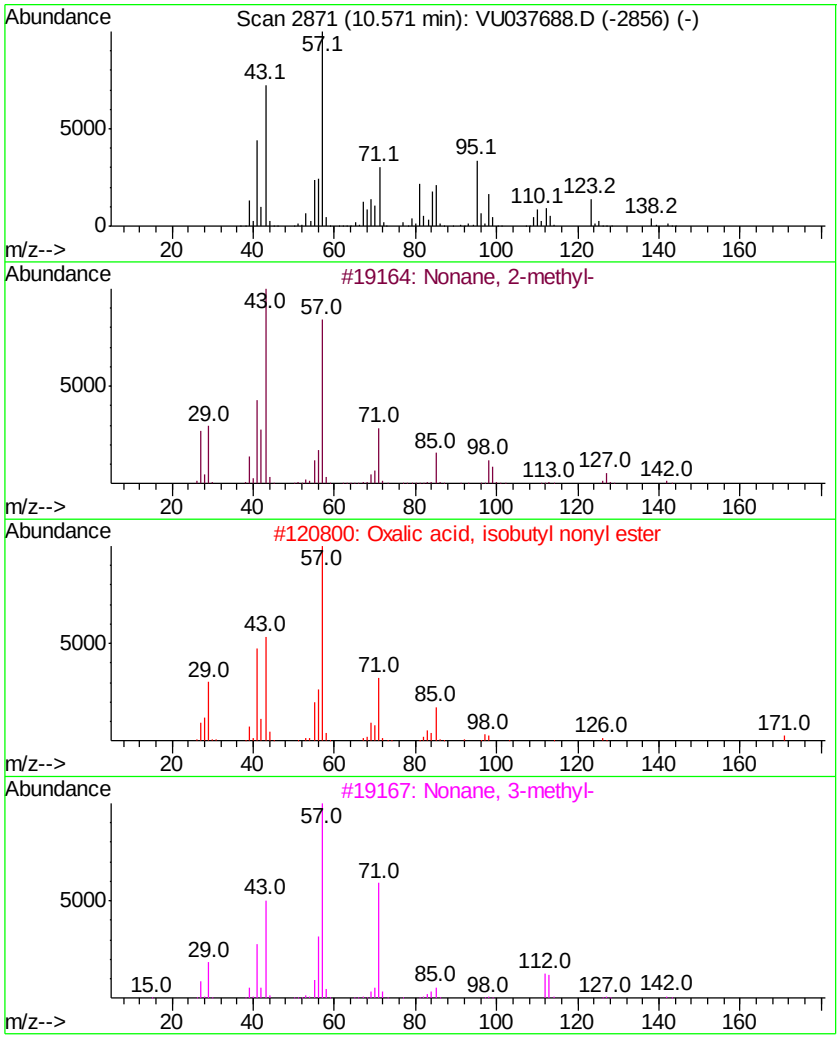
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

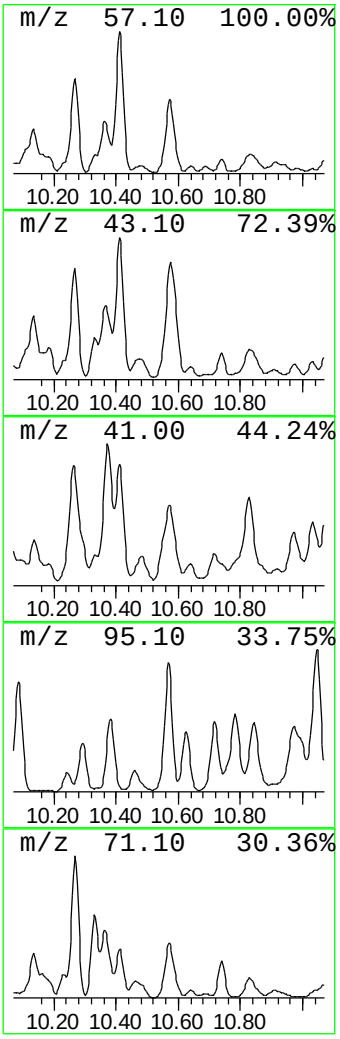
**********

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.57 | 565.89 ug/L | 19898100 | Chlorobenzene-d5 | 9.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 2-methyl- | 142 | C10H22 | 000871-83-0 | 52 |
| 2 | Oxalic acid, isobutyl nonyl ester | 272 | C15H28O4 | 1000309-37-4 | 49 |
| 3 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 43 |
| 4 | Undecane, 5-methyl- | 170 | C12H26 | 001632-70-8 | 38 |
| 5 | 2,2-Dimethylpropionic acid, 4-me... | 186 | C11H22O2 | 150588-62-8 | 35 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

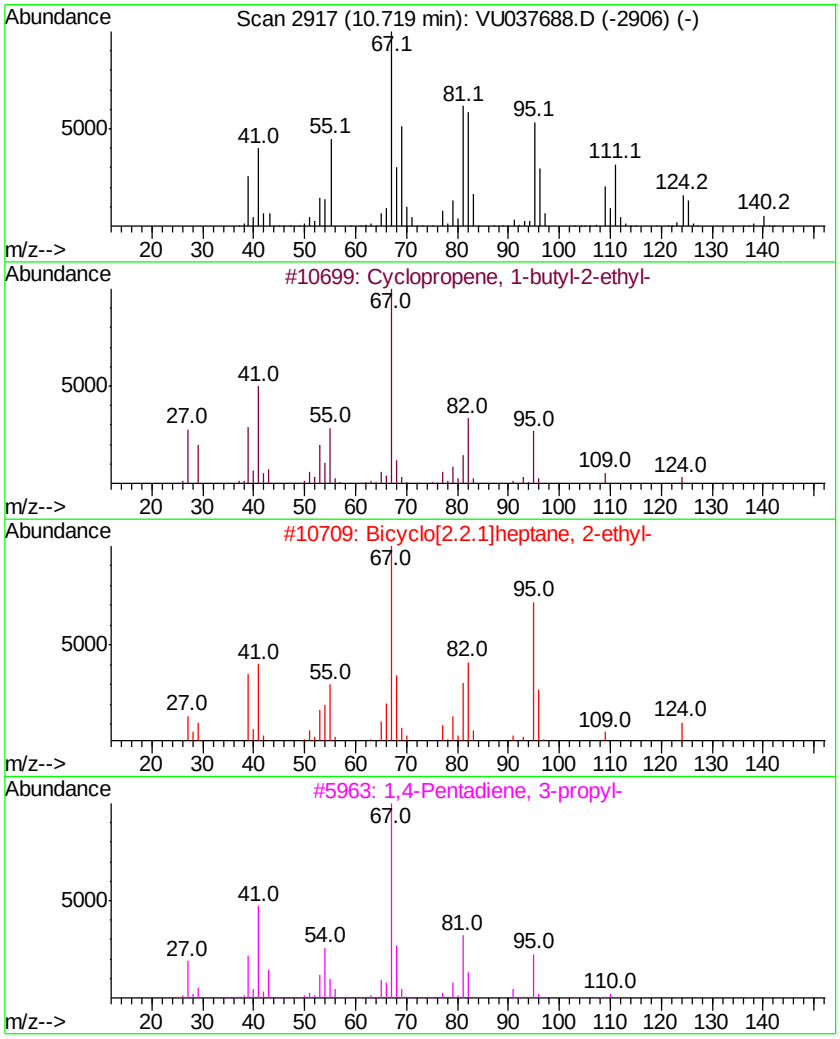
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

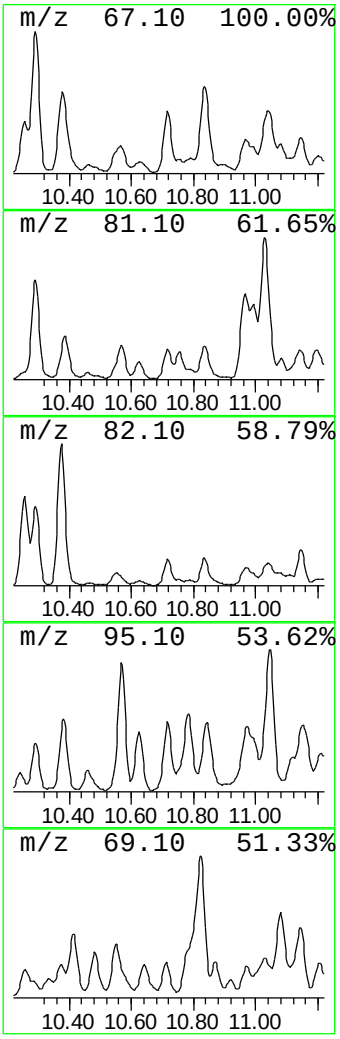
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 43 Cyclopropene, 1-butyl-2-ethyl- Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.72 | 87.24 ug/L | 8192980 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropene, 1-butyl-2-ethyl- | 124 | C9H16 | 050915-91-8 | 68 |
| 2 | Bicyclo[2.2.1]heptane, 2-ethyl- | 124 | C9H16 | 002146-41-0 | 58 |
| 3 | 1,4-Pentadiene, 3-propyl- | 110 | C8H14 | 000996-83-8 | 58 |
| 4 | Cyclooctene, 3-methyl- | 124 | C9H16 | 013152-05-1 | 58 |
| 5 | 3-Octyne, 2-methyl- | 124 | C9H16 | 055402-15-8 | 52 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

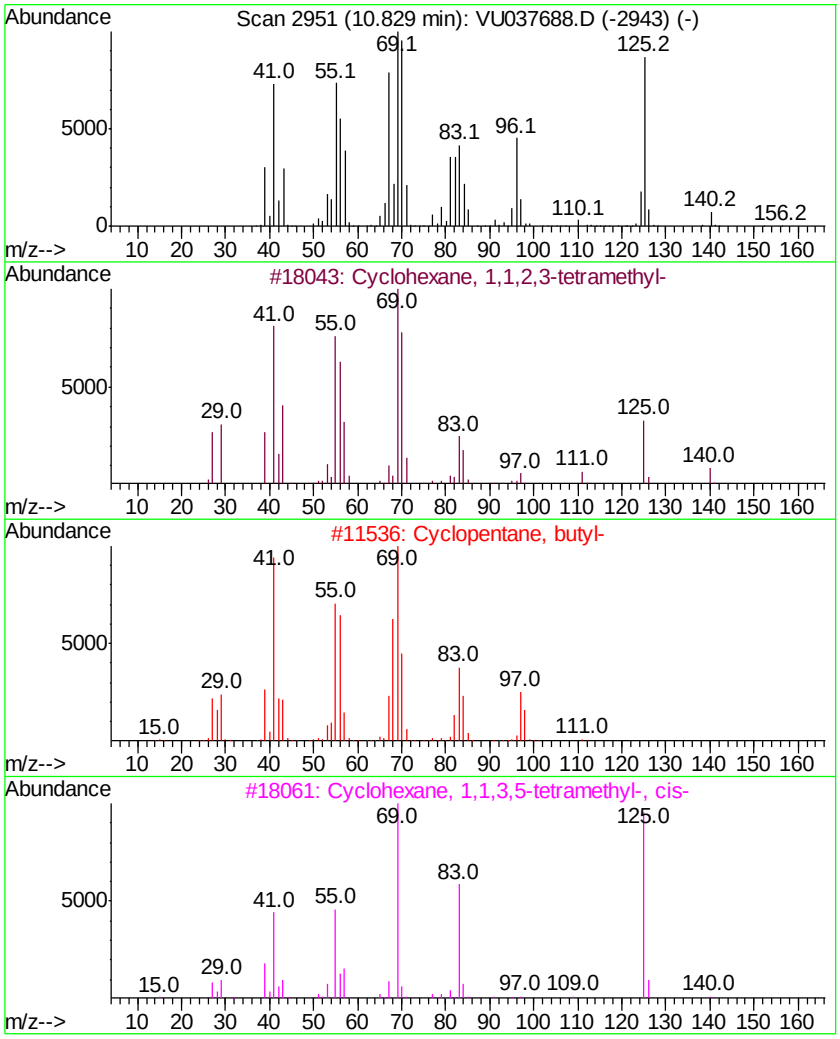
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

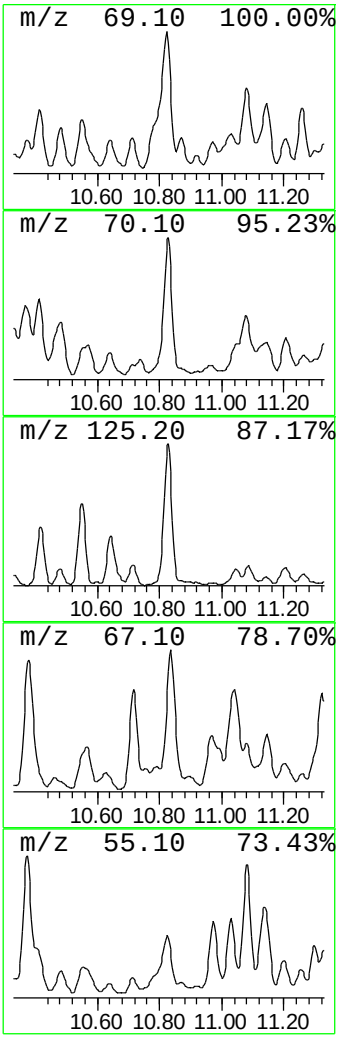
**********

Peak Number 44 (DEL) Alkane: Cyclic10.83 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.83 | 196.16 ug/L | 18422400 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1,2,3-tetramethyl- | 140 | C10H20 | 006783-92-2 | 46 |
| 2 | Cyclopentane, butyl- | 126 | C9H18 | 002040-95-1 | 38 |
| 3 | Cyclohexane, 1,1,3,5-tetramethyl... | 140 | C10H20 | 050876-32-9 | 38 |
| 4 | Cyclohexane, 2,4-diethyl-1-methyl- | 154 | C11H22 | 061142-70-9 | 38 |
| 5 | Cyclohexane, 1,1,3,5-tetramethyl... | 140 | C10H20 | 050876-32-9 | 35 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

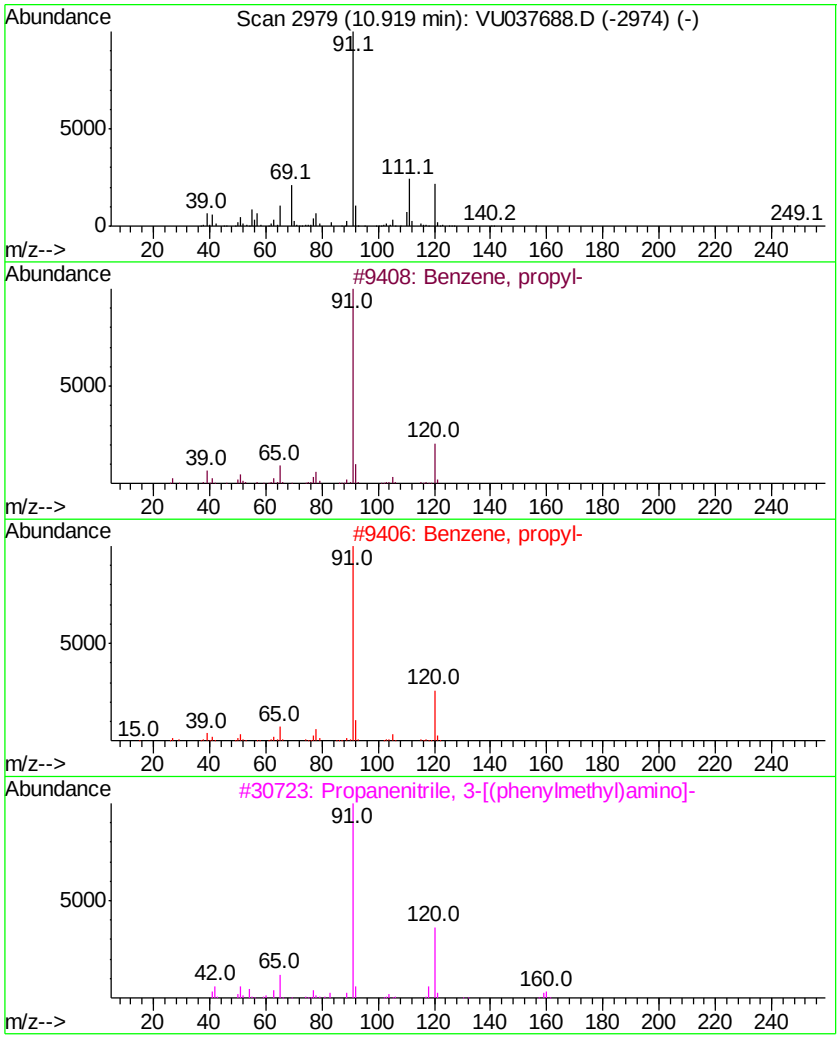
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

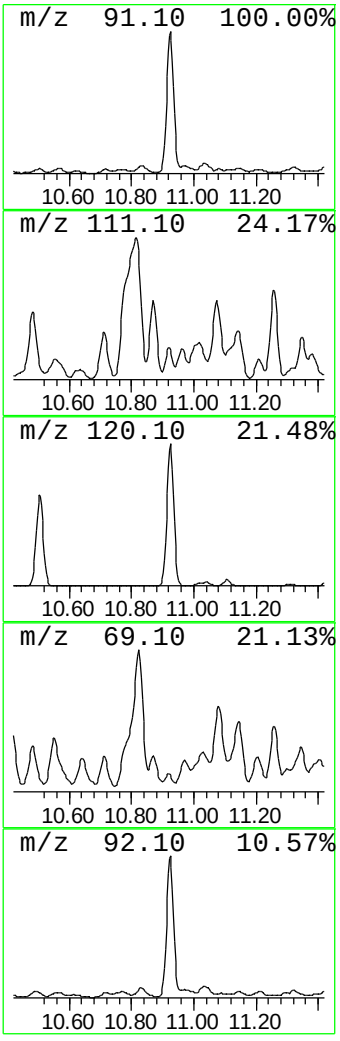
**********

Peak Number 45 Benzene, propyl- Concentration Rank 66

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.92 | 13.94 ug/L | 1309000 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 64 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 64 |
| 3 | Propanenitrile, 3-[(phenylmethyl... | 160 | C10H12N2 | 000706-03-6 | 47 |
| 4 | 1,2-Ethanediamine, N,N'-bis(phen... | 240 | C16H20N2 | 000140-28-3 | 47 |
| 5 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

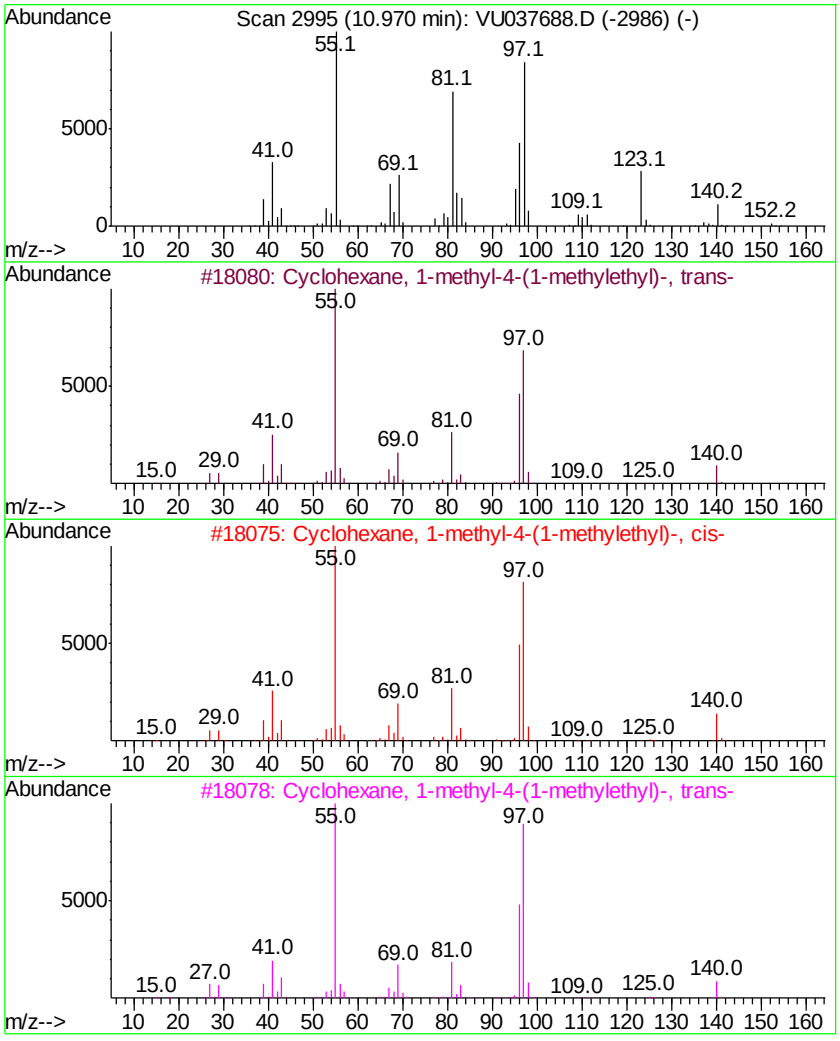
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

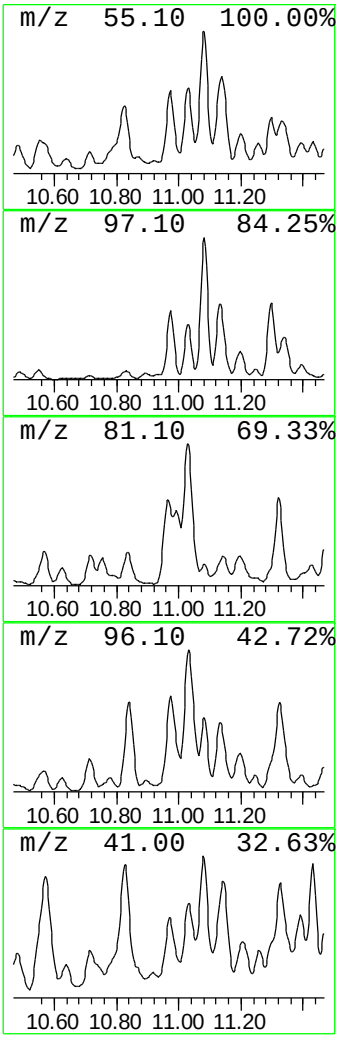
**********

Peak Number 46 (DEL) Alkane: Cyclic10.97 Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.97 | 112.72 ug/L | 10586400 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 001678-82-6 | 62 |
| 2 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 006069-98-3 | 58 |
| 3 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 001678-82-6 | 58 |
| 4 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 006069-98-3 | 58 |
| 5 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 001678-82-6 | 58 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

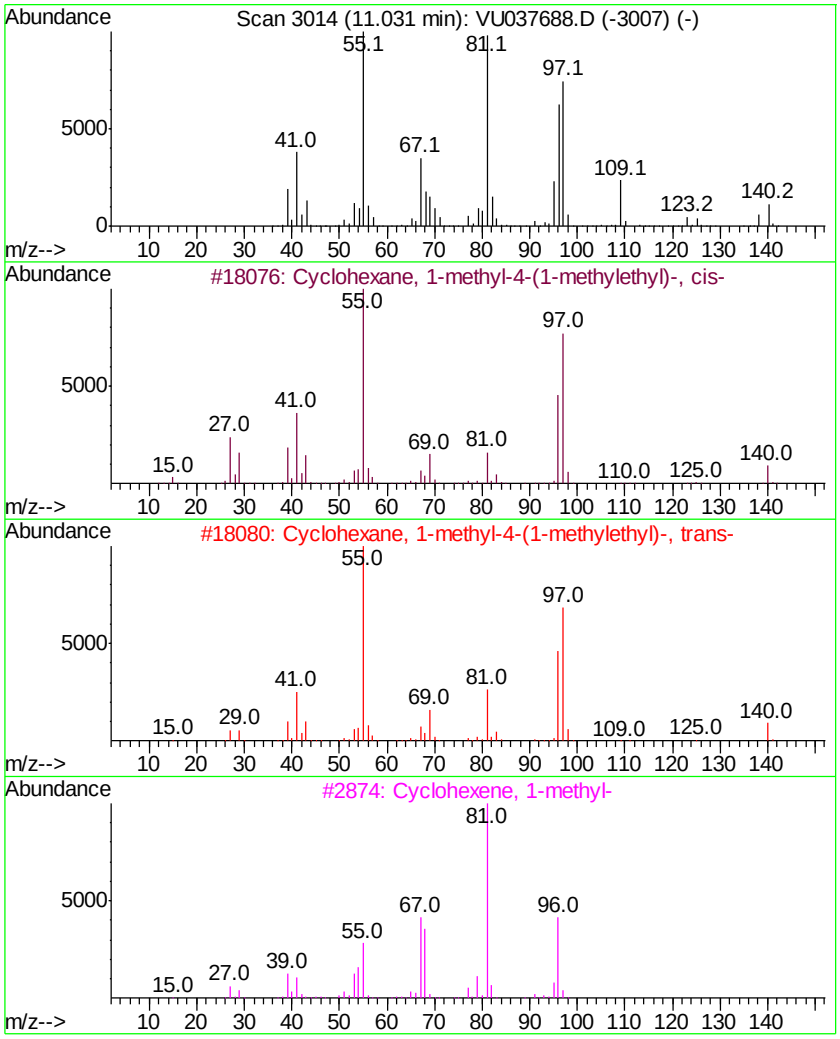
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

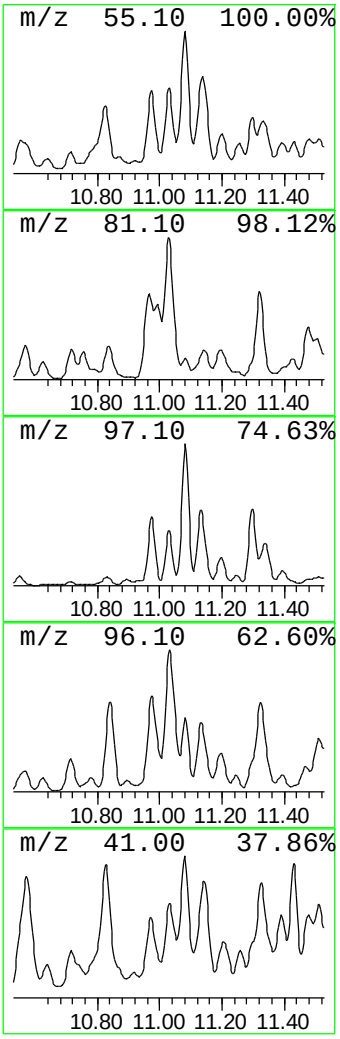
**********

Peak Number 47 (DEL) Alkane: Cyclic11.03 Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.03 | 109.29 ug/L | 10263500 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 006069-98-3 | 49 |
| 2 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 001678-82-6 | 49 |
| 3 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 46 |
| 4 | m-Menthane, (1S,3S)-(+)- | 140 | C10H20 | 013837-67-7 | 43 |
| 5 | 1-Methyl-4-(1-methylethyl)-cyclo... | 140 | C10H20 | 000099-82-1 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

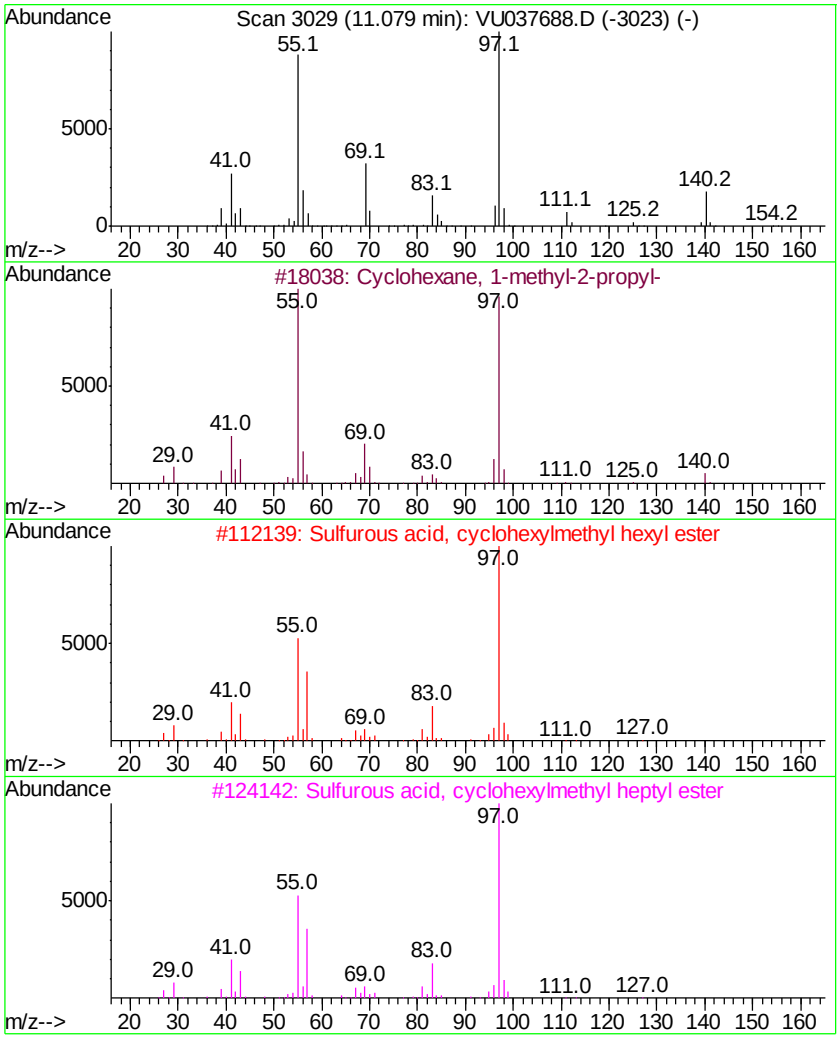
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

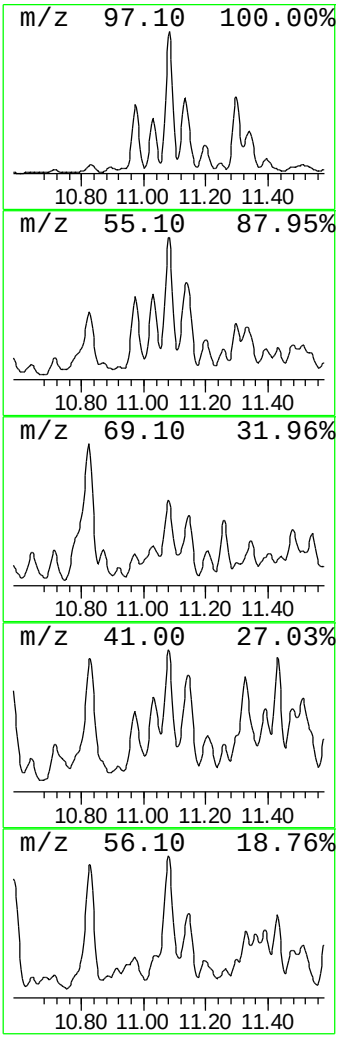
**********

Peak Number 48 (DEL) Alkane: Cyclic11.08 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.08 | 117.60 ug/L | 11044200 | 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 | 78 |
| 2 | Sulfurous acid, cyclohexylmethyl... | 262 | C13H26O3S | 1000309-21-6 | 72 |
| 3 | Sulfurous acid, cyclohexylmethyl... | 276 | C14H28O3S | 1000309-21-7 | 72 |
| 4 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 001678-82-6 | 72 |
| 5 | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18 | 004923-77-7 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

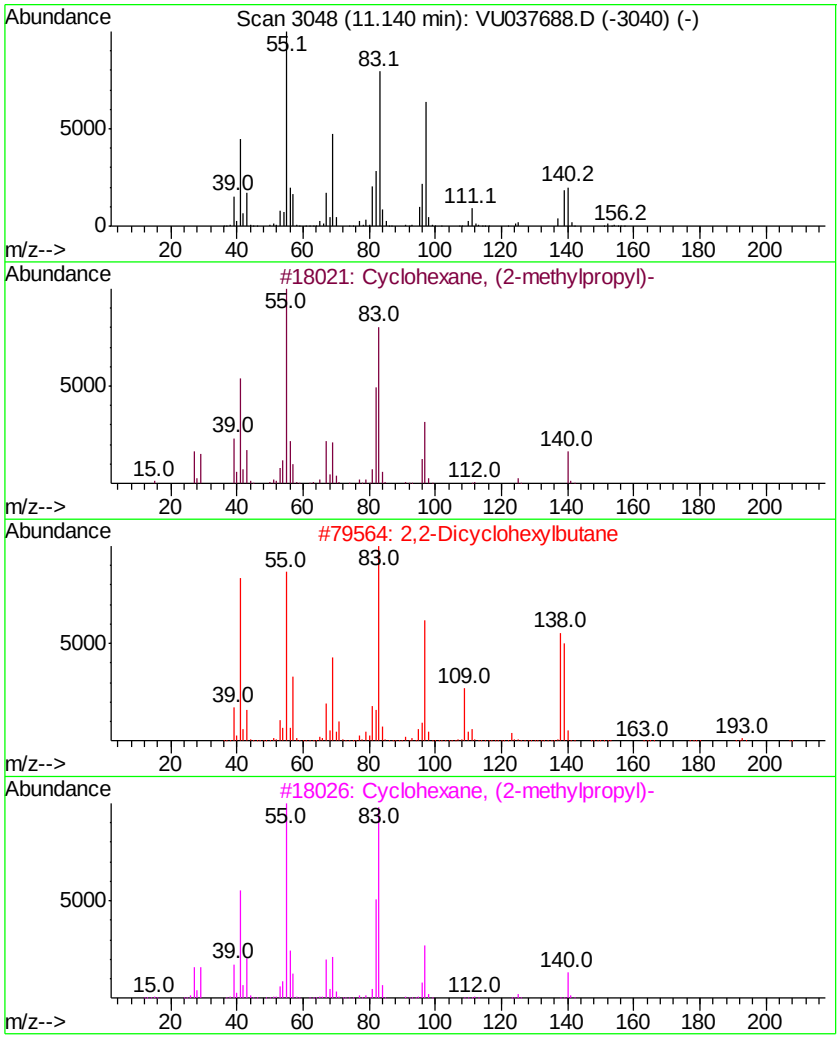
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

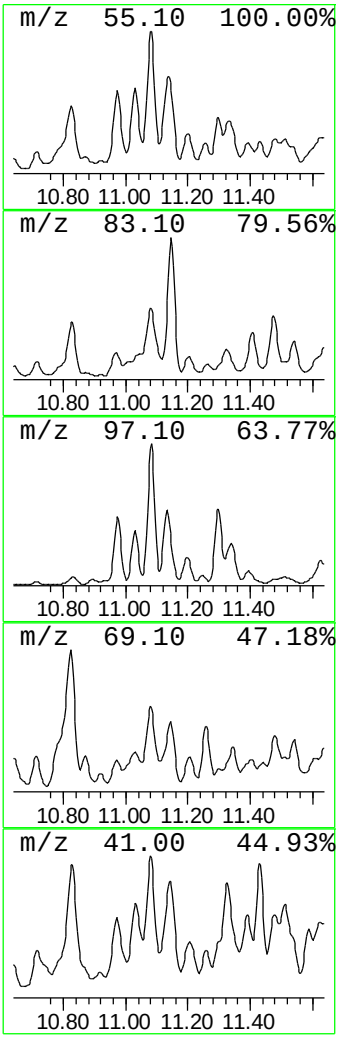
**********

Peak Number 49 (DEL) Alkane: Cyclic11.14 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.14 | 147.98 ug/L | 13897300 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, (2-methylpropyl)- | 140 | C10H20 | 001678-98-4 | 58 |
| 2 | 2,2-Dicyclohexylbutane | 222 | C16H30 | 054890-02-7 | 53 |
| 3 | Cyclohexane, (2-methylpropyl)- | 140 | C10H20 | 001678-98-4 | 52 |
| 4 | Oxalic acid, isohexyl 1-menthyl ... | 312 | C18H32O4 | 1000314-98-7 | 50 |
| 5 | Oxalic acid, 1-menthyl pentyl ester | 298 | C17H30O4 | 1000314-97-3 | 50 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

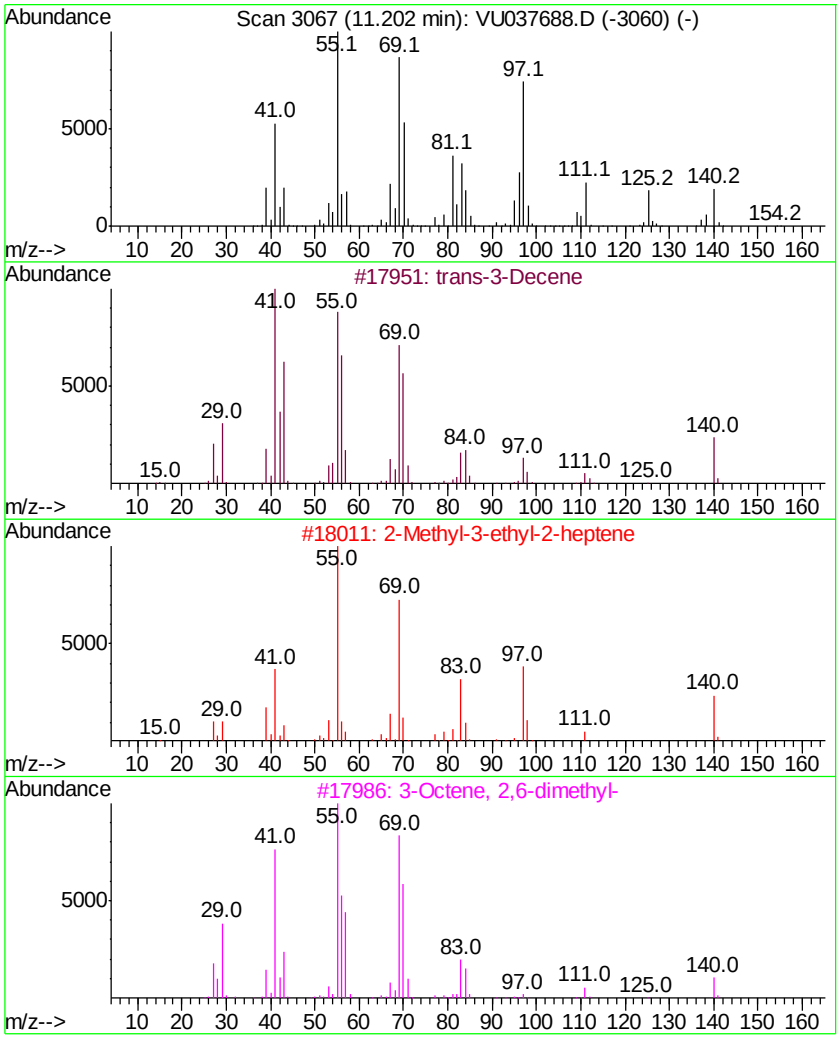
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

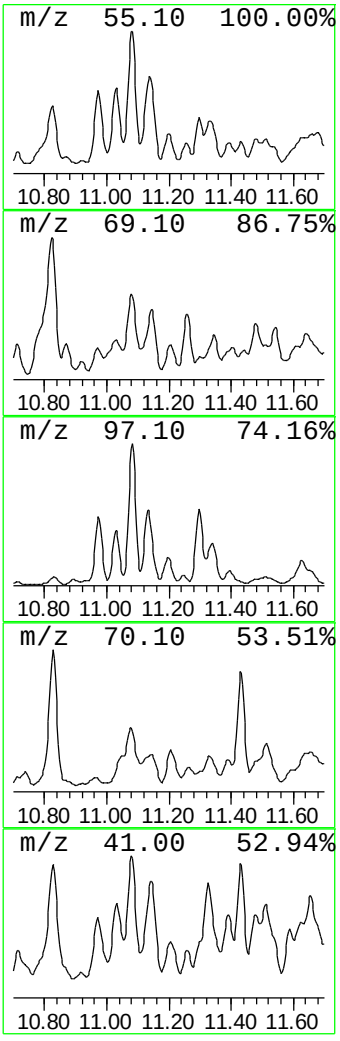
**********

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 43

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.20 | 51.17 ug/L | 4805260 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | trans-3-Decene | 140 | C10H20 | 019150-21-1 | 58 |
| 2 | 2-Methyl-3-ethyl-2-heptene | 140 | C10H20 | 019780-61-1 | 53 |
| 3 | 3-Octene, 2,6-dimethyl- | 140 | C10H20 | 006874-28-8 | 53 |
| 4 | trans-4-Decene | 140 | C10H20 | 019398-89-1 | 49 |
| 5 | 3-Ethyl-3-octene | 140 | C10H20 | 019781-31-8 | 46 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

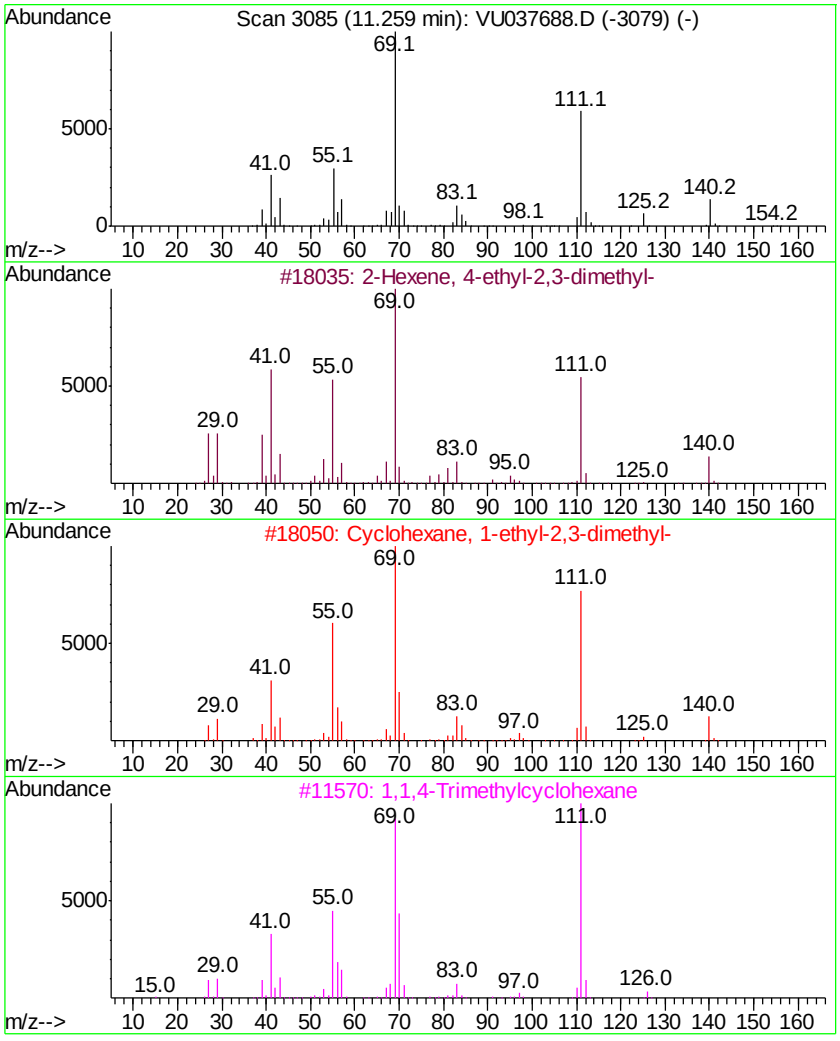
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

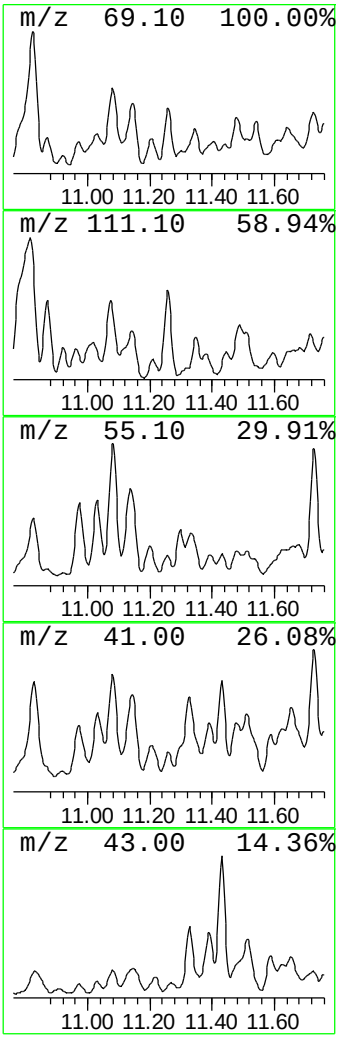
**********

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 60

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.26 | 19.89 ug/L | 1867610 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexene, 4-ethyl-2,3-dimethyl- | 140 | C10H20 | 1000149-19-7 | 80 |
| 2 | Cyclohexane, 1-ethyl-2,3-dimethyl- | 140 | C10H20 | 007058-05-1 | 78 |
| 3 | 1,1,4-Trimethylcyclohexane | 126 | C9H18 | 007094-27-1 | 72 |
| 4 | Cyclohexane, 1-ethyl-1,3-dimethy... | 140 | C10H20 | 062238-31-7 | 72 |
| 5 | Cyclooctane, (1-methylpropyl)- | 168 | C12H24 | 016538-89-9 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

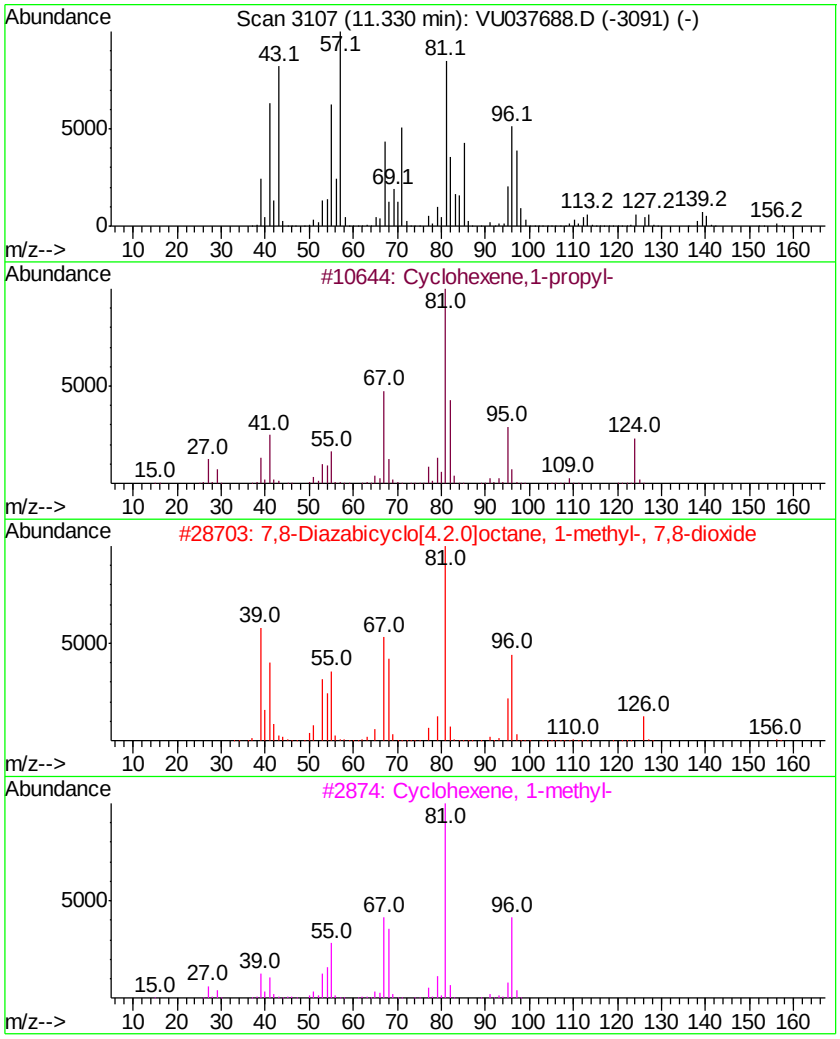
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

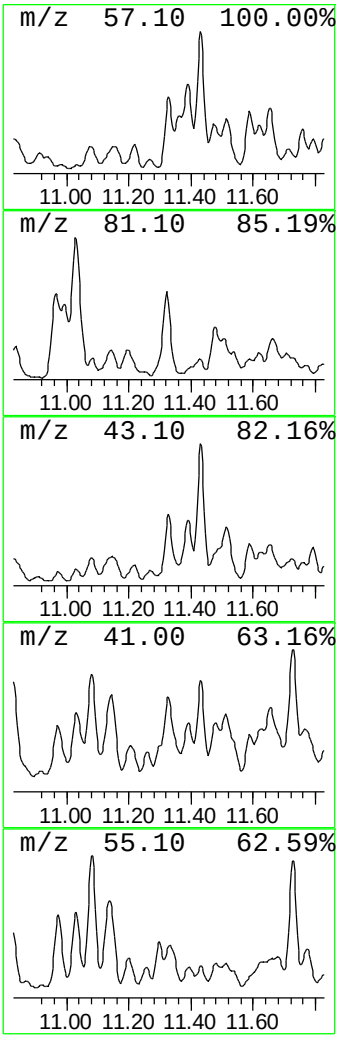
**********

Peak Number 52 unknown-02 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.33 | 170.32 ug/L | 15995400 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexene,1-propyl- | 124 | C9H16 | 002539-75-5 | 45 |
| 2 | 7,8-Diazabicyclo[4.2.0]octane, 1... | 156 | C7H12N2O2 | 169522-32-1 | 45 |
| 3 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 45 |
| 4 | Nonane, 4,5-dimethyl- | 156 | C11H24 | 017302-23-7 | 41 |
| 5 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

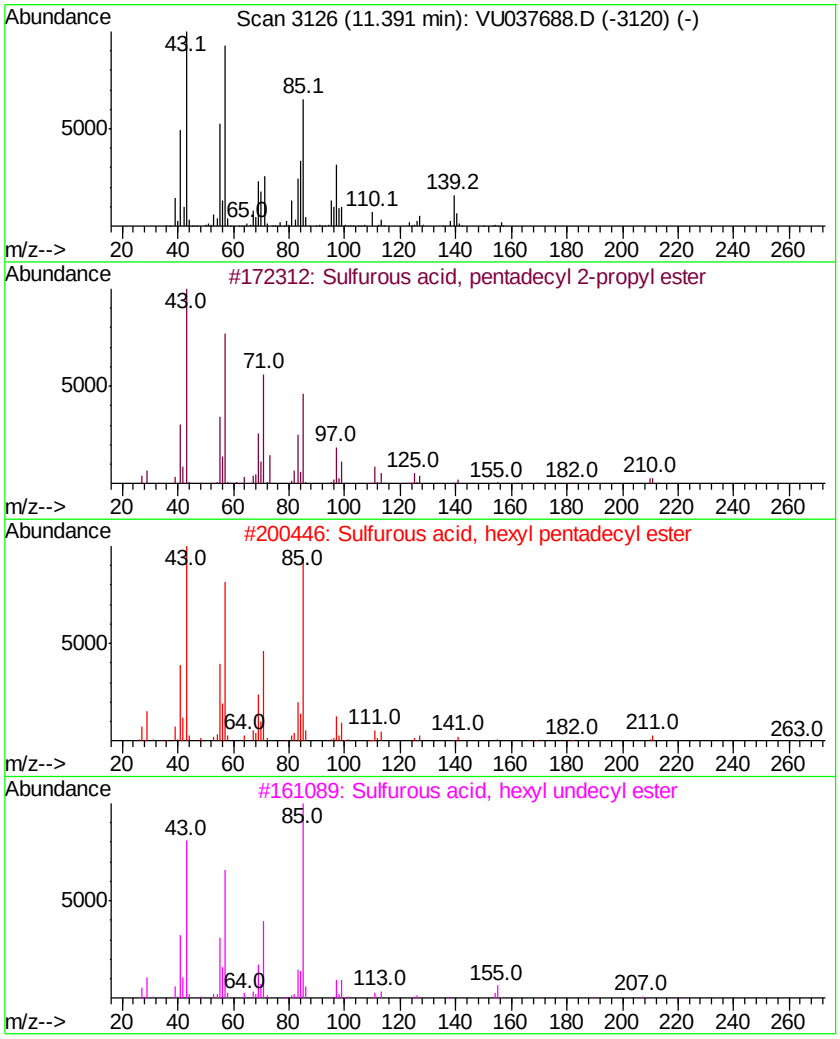
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

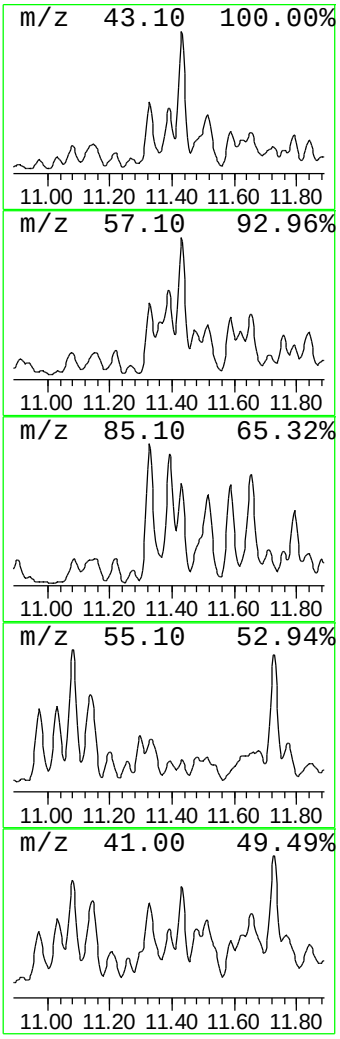
**********

Peak Number 53 unknown-03 Concentration Rank 51

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.39 | 35.93 ug/L | 3373920 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfurous acid, pentadecyl 2-pro... | 334 | C18H38O3S | 1000309-12-6 | 47 |
| 2 | Sulfurous acid, hexyl pentadecyl... | 376 | C21H44O3S | 1000309-13-7 | 43 |
| 3 | Sulfurous acid, hexyl undecyl ester | 320 | C17H36O3S | 1000309-13-3 | 43 |
| 4 | Hexane, 2,3,5-trimethyl- | 128 | C9H20 | 001069-53-0 | 38 |
| 5 | 2-Butene, 1,4-diethoxy- | 144 | C8H16O2 | 007250-85-3 | 35 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

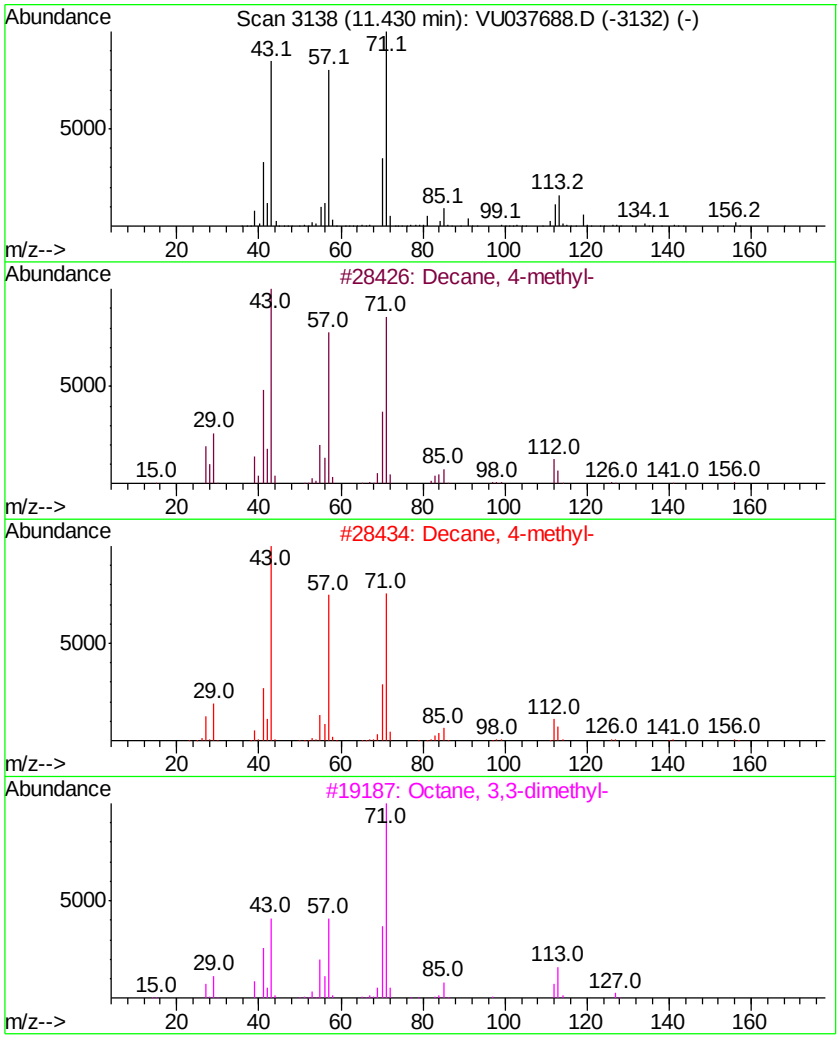
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

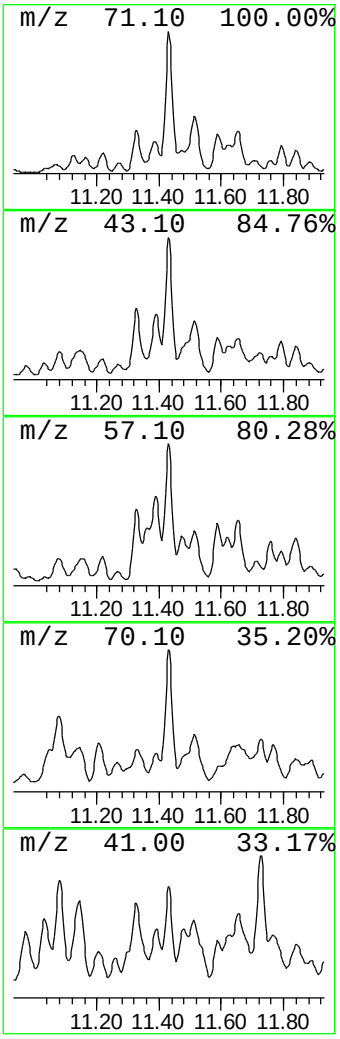
**********

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.43 | 87.66 ug/L | 8232370 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 4-methyl- | 156 | C11H24 | 002847-72-5 | 87 |
| 2 | Decane, 4-methyl- | 156 | C11H24 | 002847-72-5 | 87 |
| 3 | Octane, 3,3-dimethyl- | 142 | C10H22 | 004110-44-5 | 72 |
| 4 | Sulfurous acid, isobutyl 2-penty... | 208 | C9H20O3S | 1000309-15-2 | 64 |
| 5 | Sulfurous acid, octyl 2-pentyl e... | 264 | C13H28O3S | 1000309-15-7 | 59 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

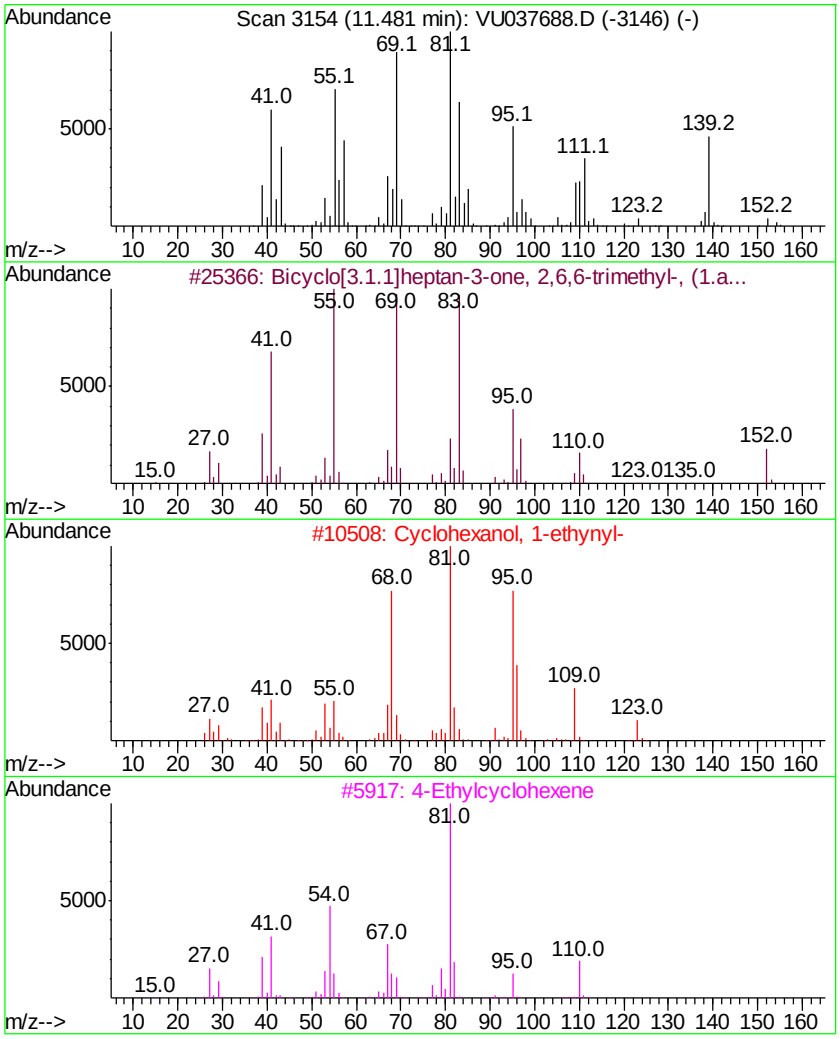
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

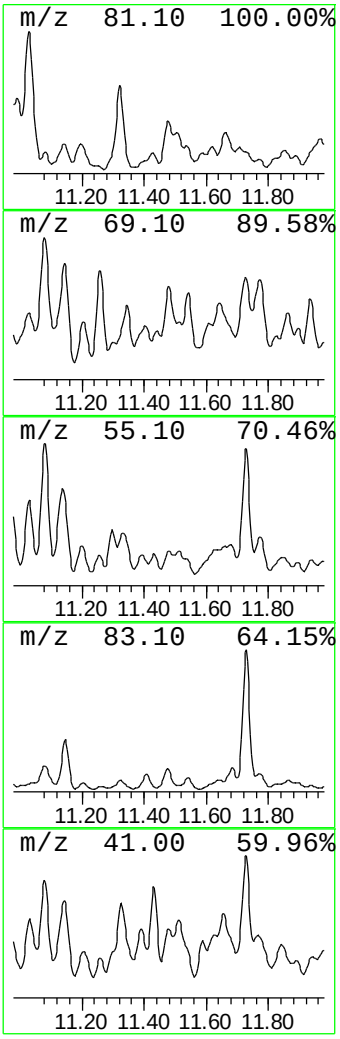
**********

Peak Number 55 unknown-04 Concentration Rank 41

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.48 | 58.49 ug/L | 5492700 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[3.1.1]heptan-3-one, 2,6,... | 152 | C10H16O | 015358-88-0 | 35 |
| 2 | Cyclohexanol, 1-ethynyl- | 124 | C8H12O | 000078-27-3 | 27 |
| 3 | 4-Ethylcyclohexene | 110 | C8H14 | 003742-42-5 | 25 |
| 4 | 4-Ethylcyclohexene | 110 | C8H14 | 003742-42-5 | 25 |
| 5 | Cyclohexene, 1-ethyl- | 110 | C8H14 | 001453-24-3 | 18 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

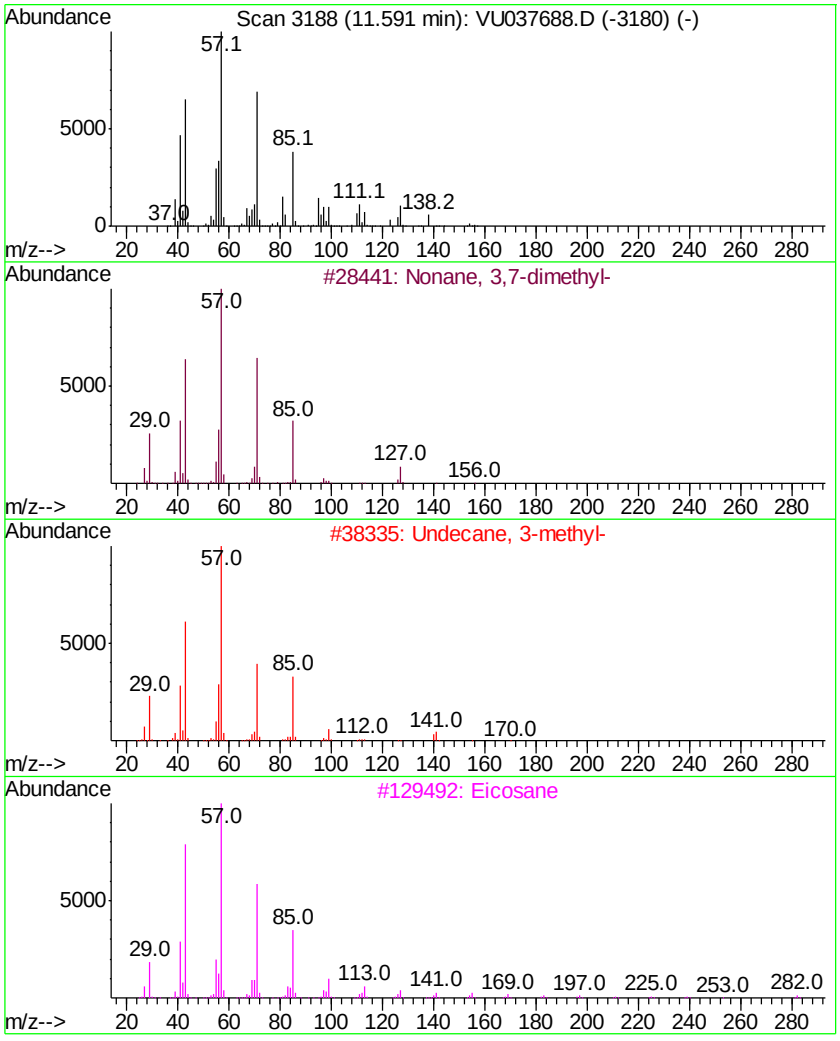
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

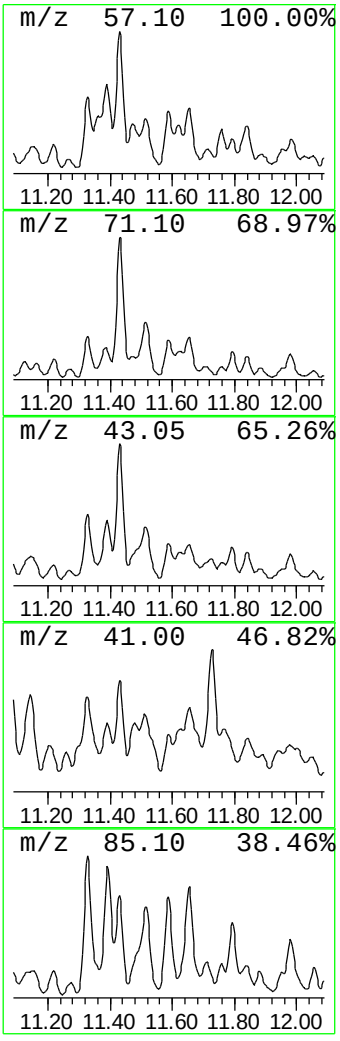
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 47

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.59 | 43.70 ug/L | 4103840 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 3,7-dimethyl- | 156 | C11H24 | 017302-32-8 | 81 |
| 2 | Undecane, 3-methyl- | 170 | C12H26 | 001002-43-3 | 59 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 59 |
| 4 | Undecane, 5-ethyl- | 184 | C13H28 | 017453-94-0 | 59 |
| 5 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 59 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

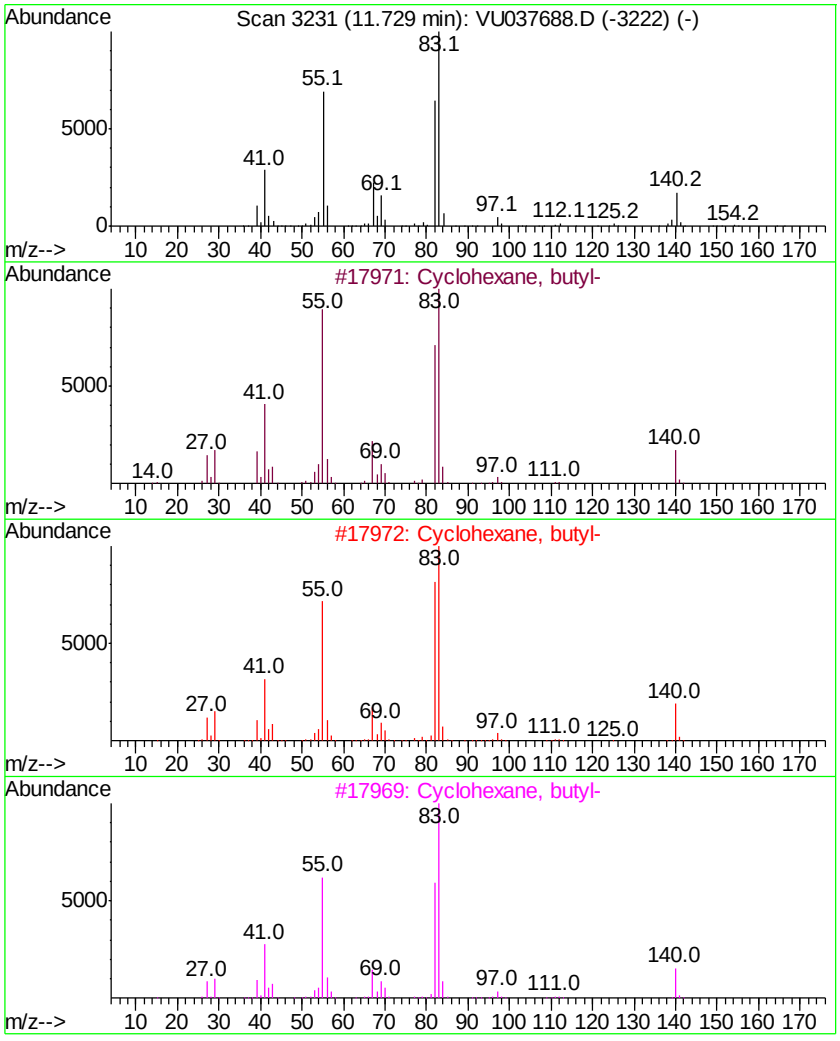
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

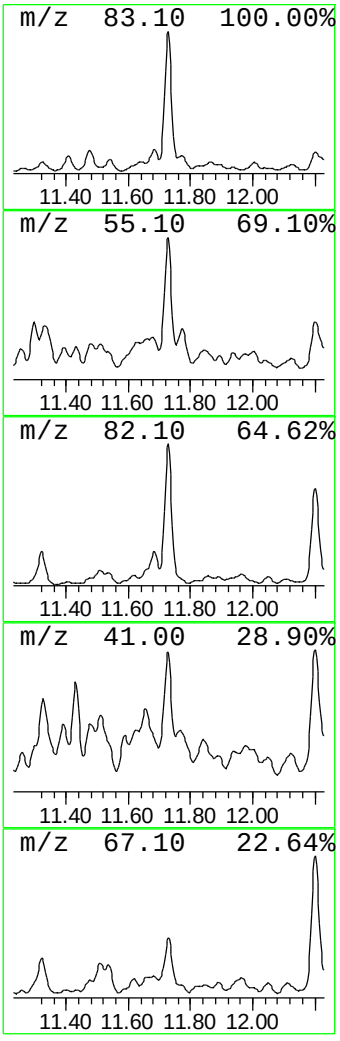
**********

Peak Number 57 (DEL) Alkane: Cyclic11.73 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.73 | 128.39 ug/L | 12057200 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 95 |
| 2 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 90 |
| 3 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 90 |
| 4 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 86 |
| 5 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 78 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

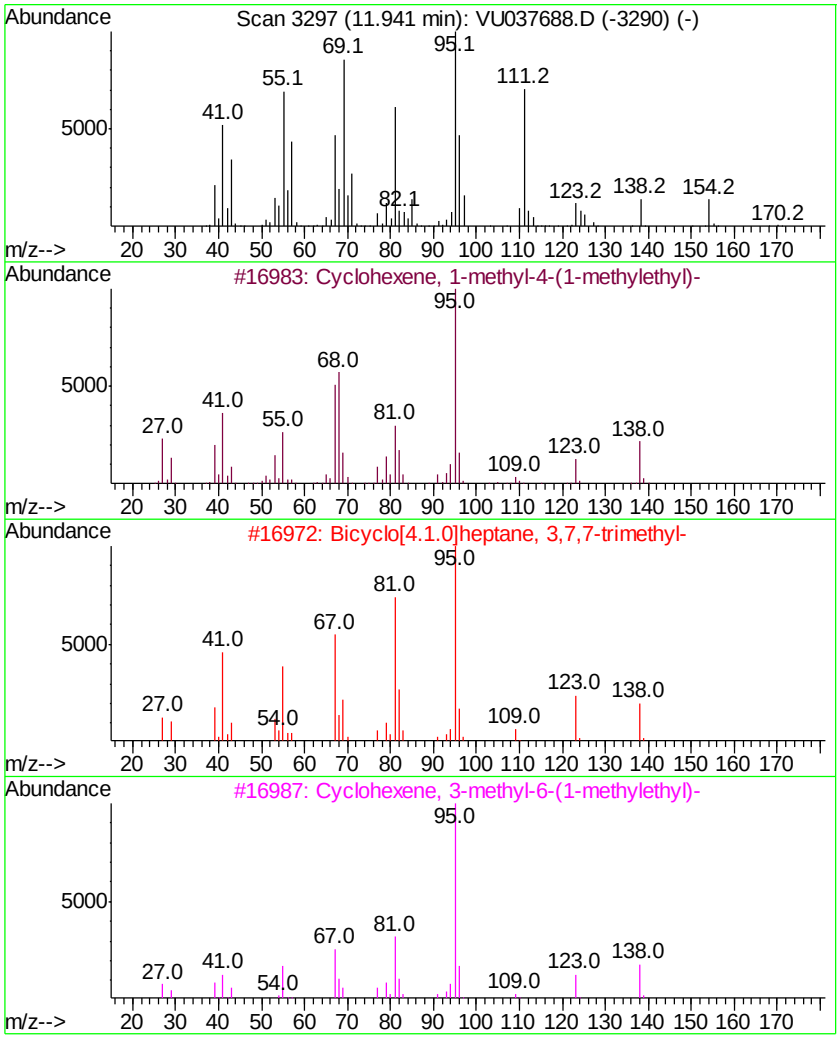
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

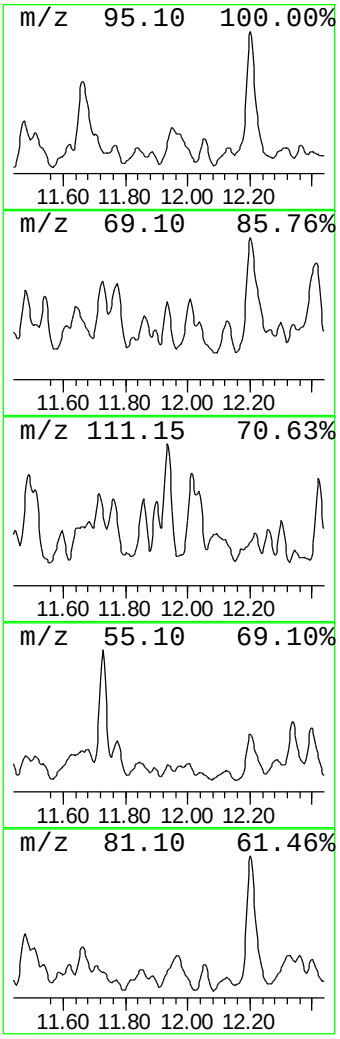
**********

Peak Number 58 unknown-05 Concentration Rank 53

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.94 | 30.10 ug/L | 2826850 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexene, 1-methyl-4-(1-methy... | 138 | C10H18 | 005502-88-5 | 46 |
| 2 | Bicyclo[4.1.0]heptane, 3,7,7-tri... | 138 | C10H18 | 000554-59-6 | 43 |
| 3 | Cyclohexene, 3-methyl-6-(1-methy... | 138 | C10H18 | 005256-65-5 | 41 |
| 4 | Cyclopentene, 1-isopropyl-2,3-di... | 138 | C10H18 | 007712-73-4 | 38 |
| 5 | Bicyclo[2.2.1]heptane-2,3-dione,... | 166 | C10H14O2 | 010334-26-6 | 35 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

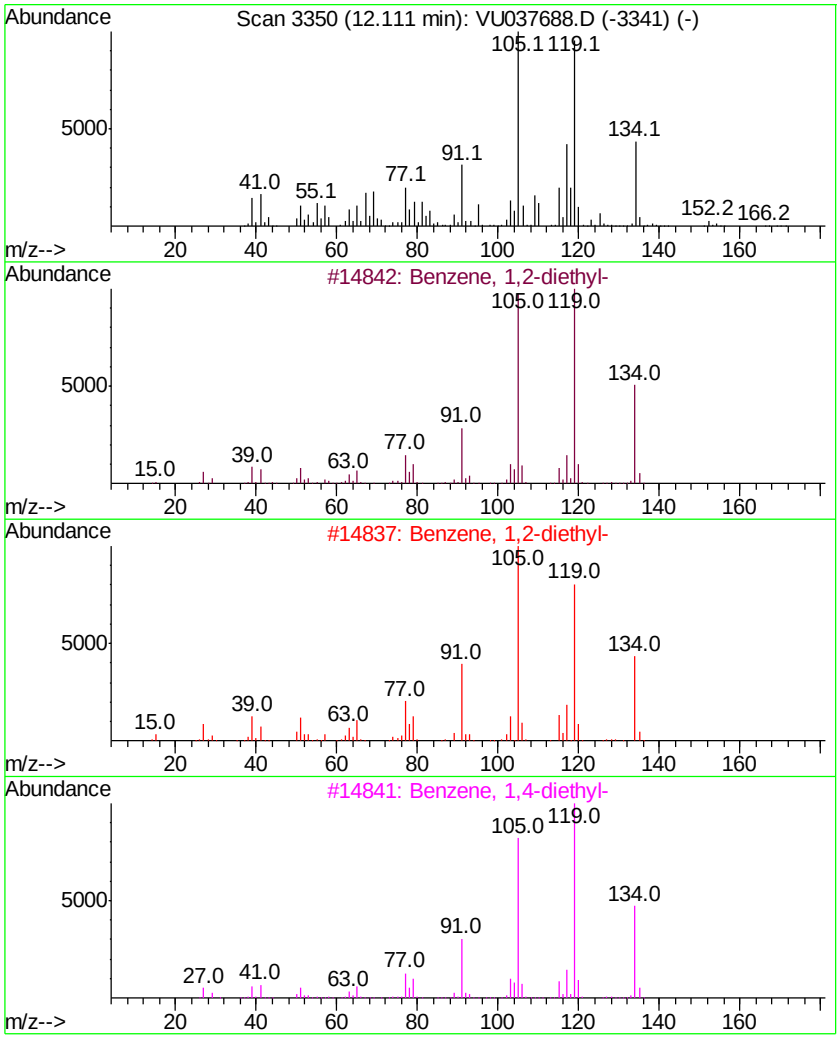
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

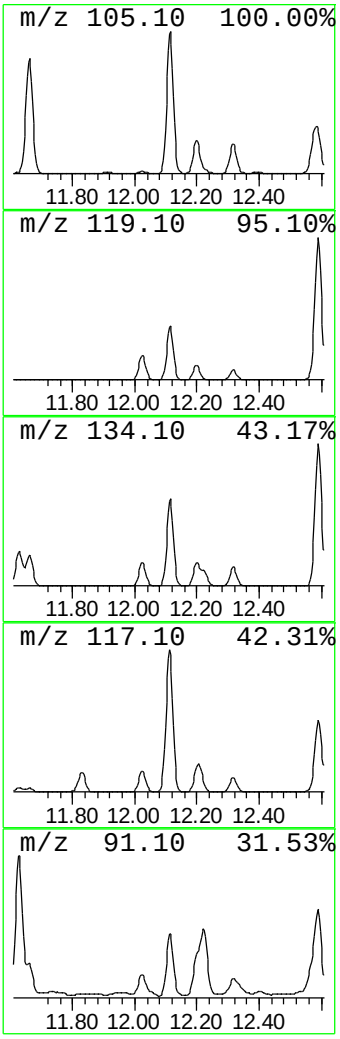
**********

Peak Number 59 Benzene, 1,2-diethyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.11 | 105.25 ug/L | 9884290 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 89 |
| 2 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 87 |
| 3 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 76 |
| 4 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 70 |
| 5 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 70 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

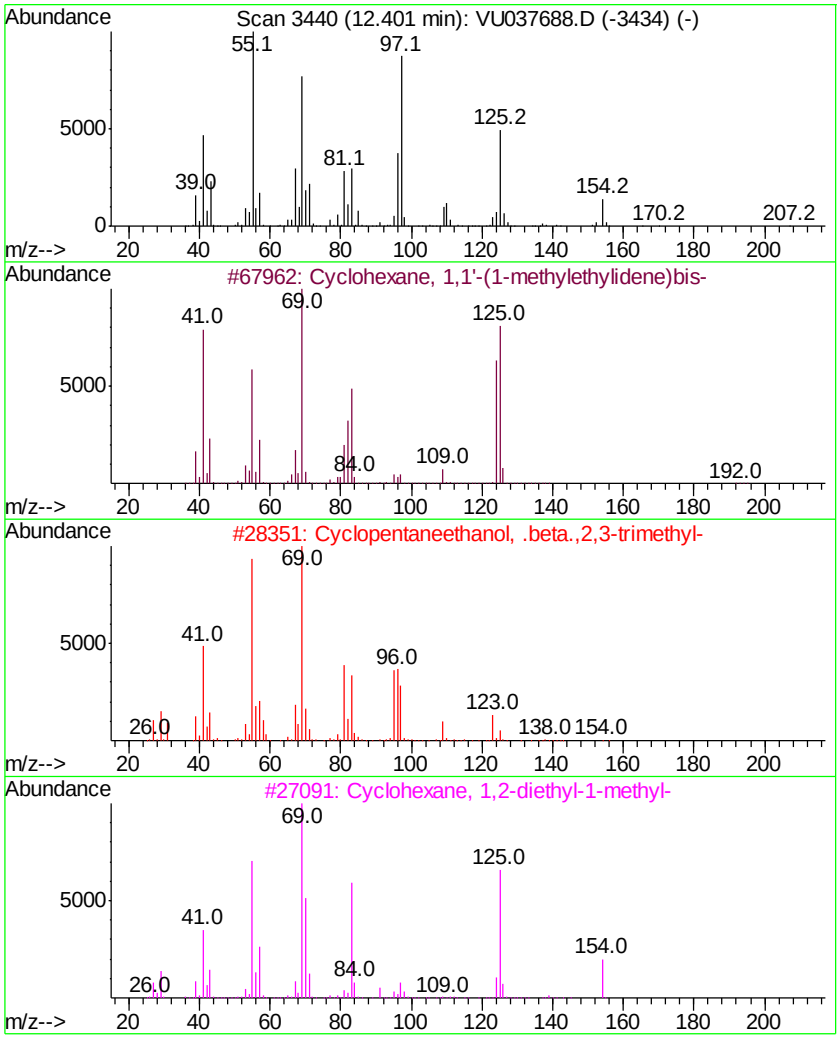
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

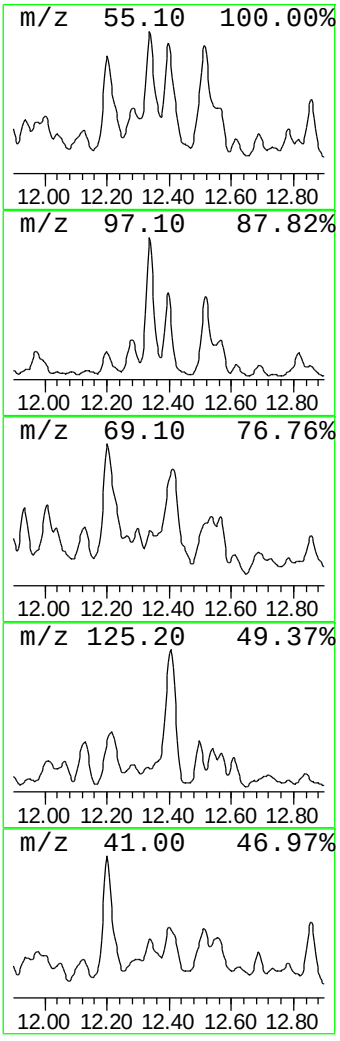
**********

Peak Number 60 unknown-06 Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.40 | 101.86 ug/L | 9566350 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1'-(1-methylethyl... | 208 | C15H28 | 054934-90-6 | 38 |
| 2 | Cyclopentaneethanol, .beta.,2,3-... | 156 | C10H20O | 021721-18-6 | 38 |
| 3 | Cyclohexane, 1,2-diethyl-1-methyl- | 154 | C11H22 | 061141-79-5 | 35 |
| 4 | Cyclohexane, 2,4-diethyl-1-methyl- | 154 | C11H22 | 061142-70-9 | 27 |
| 5 | Oxalic acid, cyclohexylmethyl et... | 214 | C11H18O4 | 1000309-68-0 | 27 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

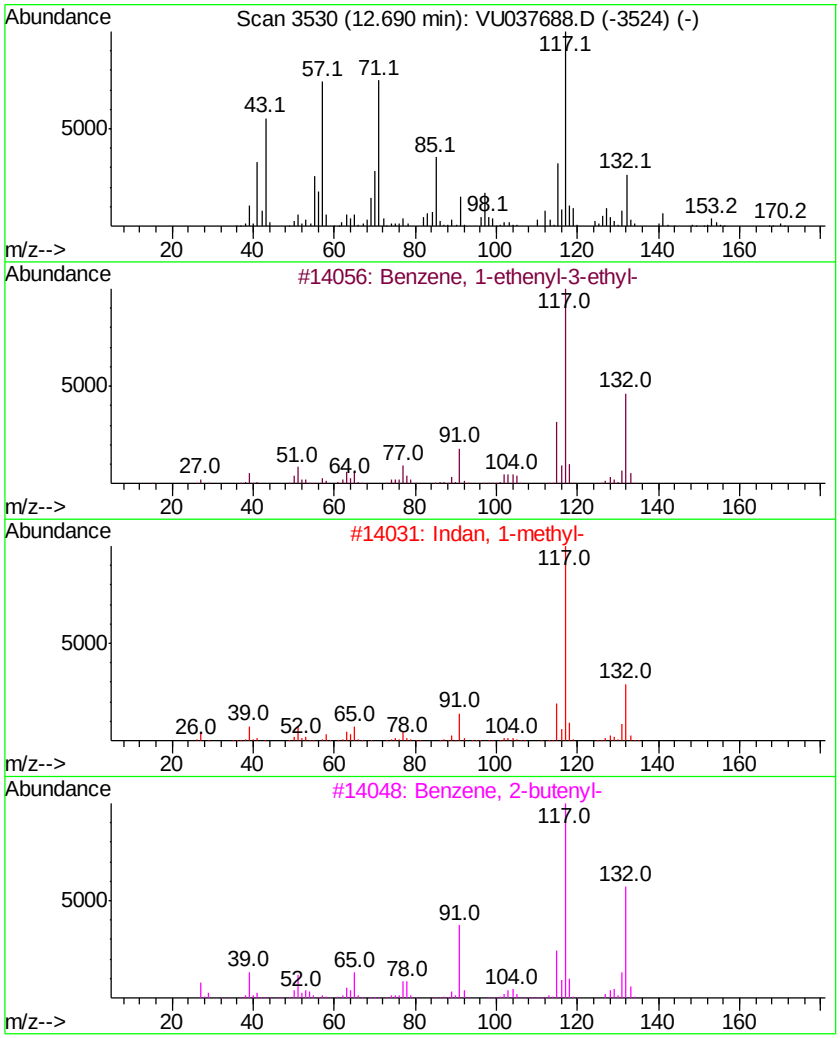
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

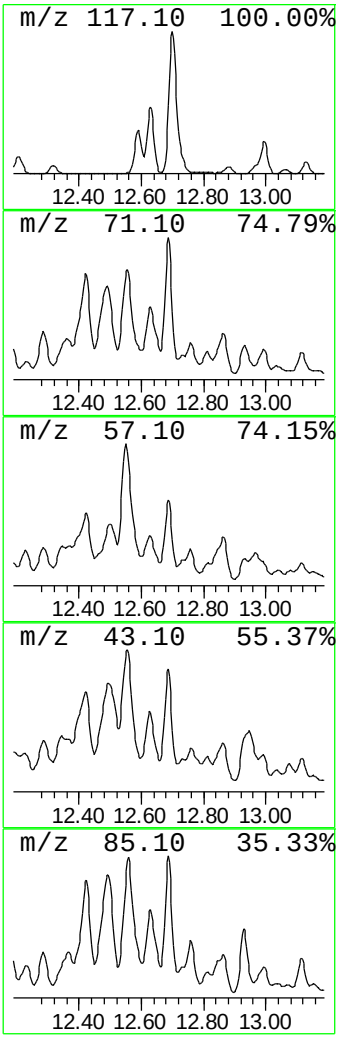
**********

Peak Number 61 unknown-07 Concentration Rank 49

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.69 | 36.95 ug/L | 3469740 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 46 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 42 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 41 |
| 4 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 38 |
| 5 | Undecane, 4-methyl- | 170 | C12H26 | 002980-69-0 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

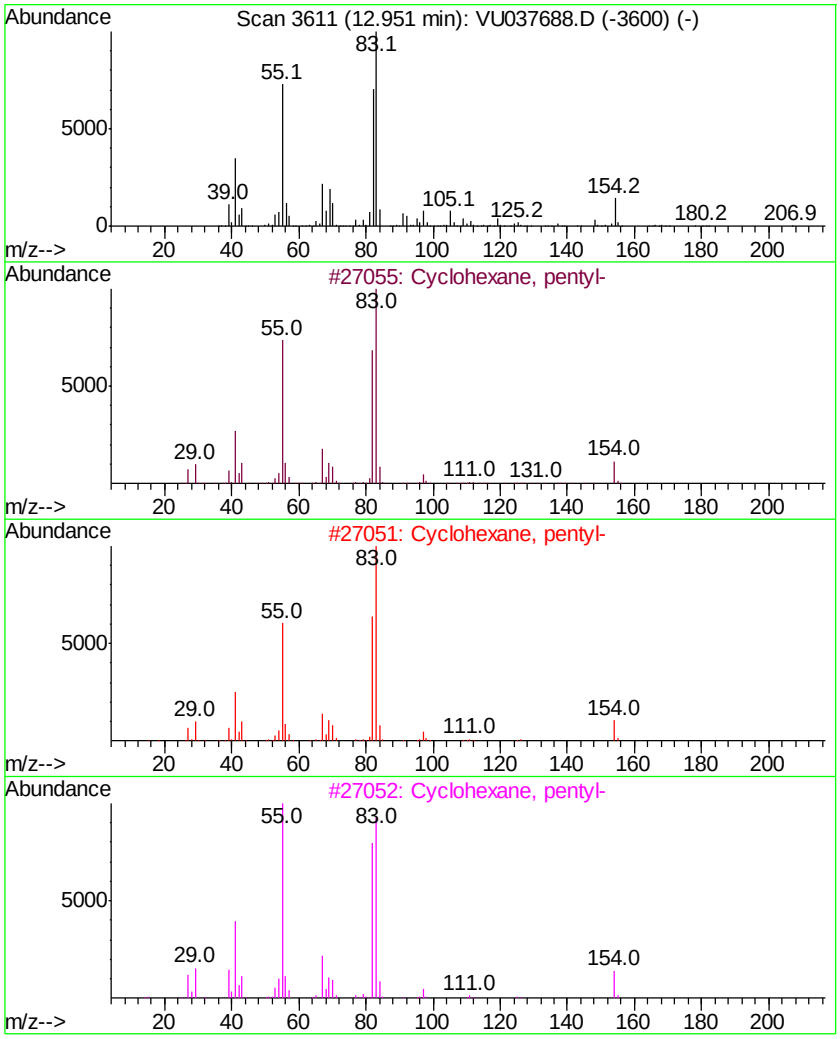
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

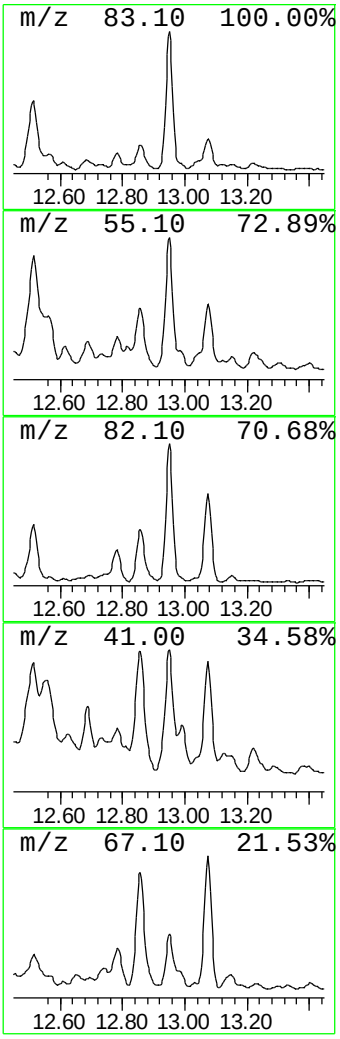
**********

Peak Number 63 (DEL) Alkane: Cyclic12.95 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.95 | 118.47 ug/L | 11126200 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 94 |
| 2 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 93 |
| 3 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 87 |
| 4 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 74 |
| 5 | Cyclohexane, octyl- | 196 | C14H28 | 001795-15-9 | 72 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

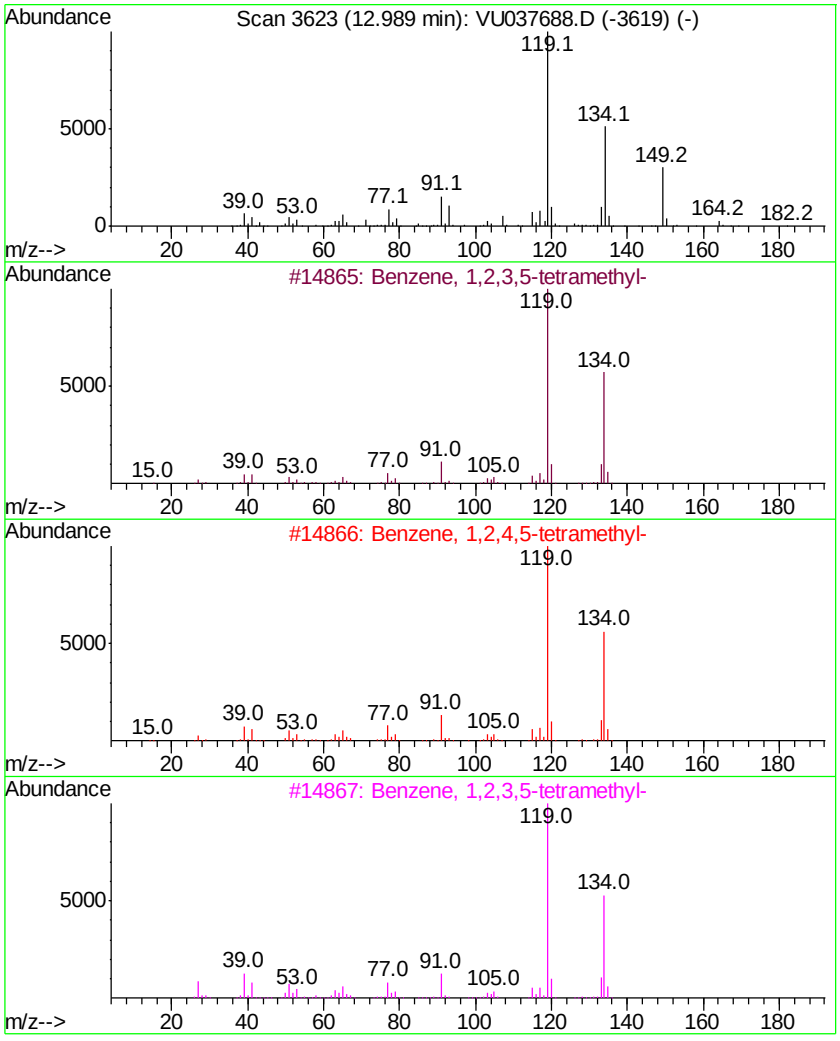
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

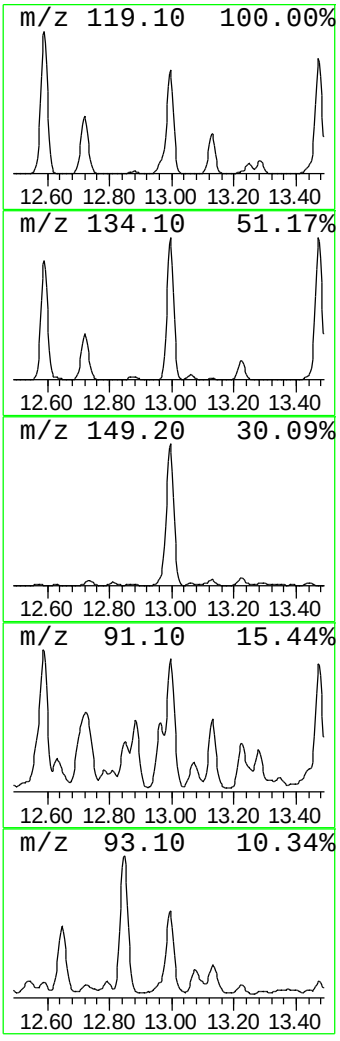
**********

Peak Number 64 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.99 | 82.16 ug/L | 7716080 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 93 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 93 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 90 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 81 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

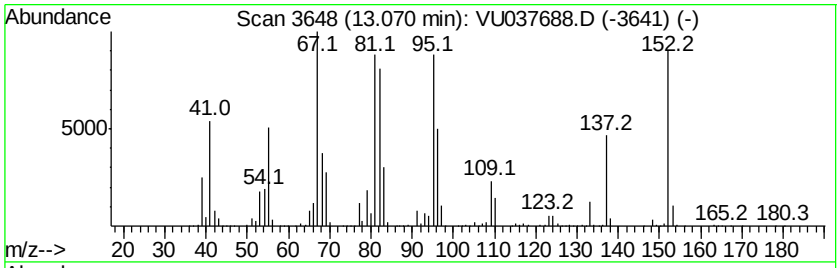
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

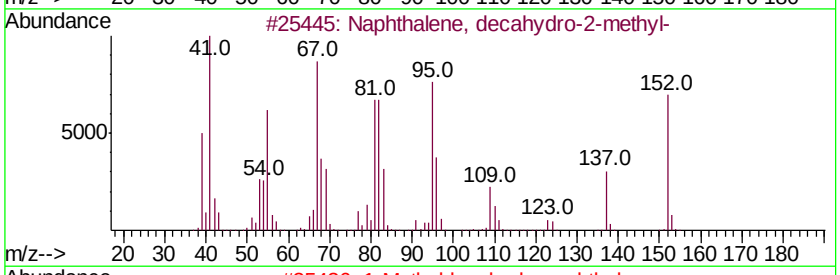
**********

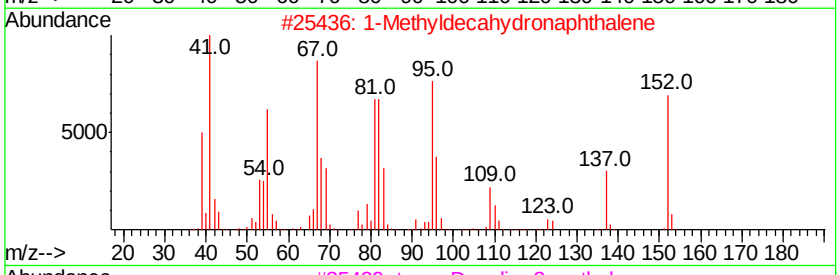
Peak Number 65 Naphthalene, decahydro-2-me... Concentration Rank 25

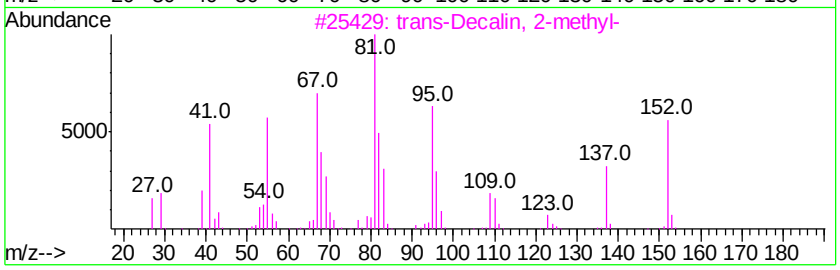
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.07 | 104.99 ug/L | 9859700 | 1,4-Dichlorobenzene-d4 | 11.83 |

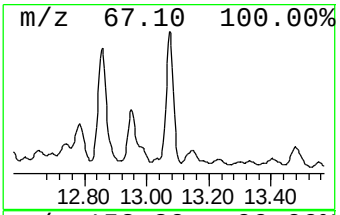
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, decahydro-2-methyl- | 152 | C11H20 | 002958-76-1 | 97 |
| 2 | 1-Methyldecahydronaphthalene | 152 | C11H20 | 002958-75-0 | 97 |
| 3 | trans-Decalin, 2-methyl- | 152 | C11H20 | 1000152-47-3 | 90 |
| 4 | Cyclodecene, 1-methyl- | 152 | C11H20 | 066633-38-3 | 87 |
| 5 | cis-Decalin, 2-syn-methyl- | 152 | C11H20 | 1000155-85-6 | 72 |

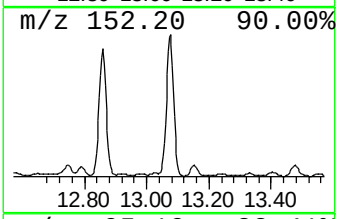


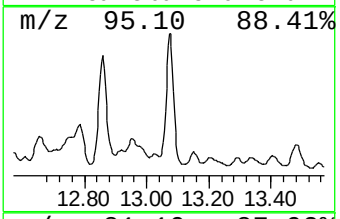



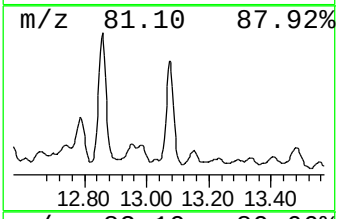



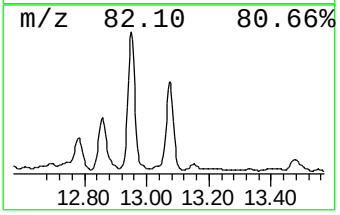



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

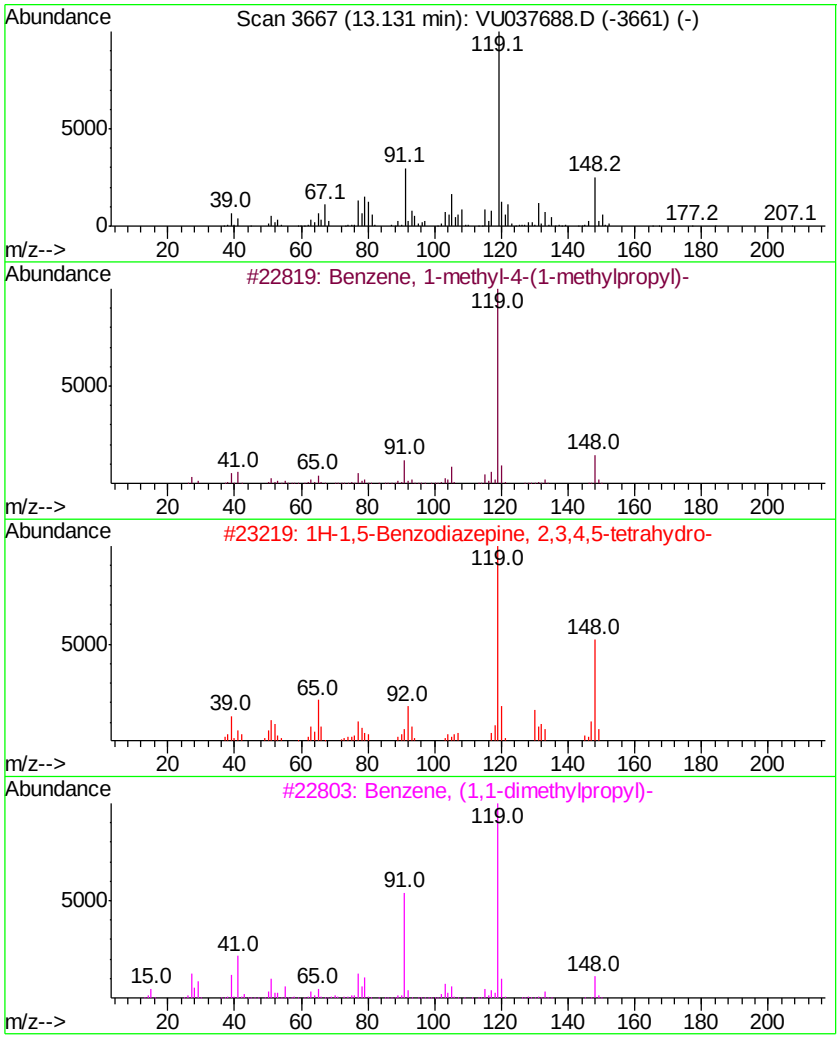
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

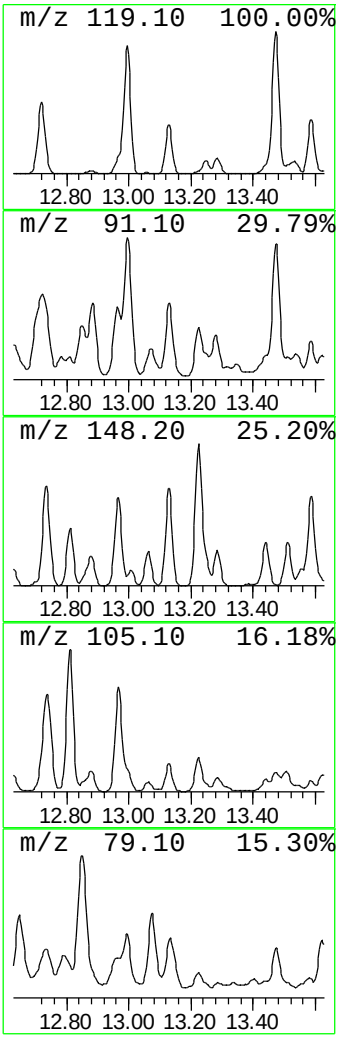
**********

Peak Number 66 Benzene, 1-methyl-4-(1-meth... Concentration Rank 42

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.13 | 52.71 ug/L | 4950610 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16 | 001595-16-0 | 70 |
| 2 | 1H-1,5-Benzodiazepine, 2,3,4,5-t... | 148 | C9H12N2 | 006516-89-8 | 59 |
| 3 | Benzene, (1,1-dimethylpropyl)- | 148 | C11H16 | 002049-95-8 | 58 |
| 4 | 2-Propenal, 3-(2-pyridinylamino)- | 148 | C8H8N2O | 068970-82-1 | 58 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 55 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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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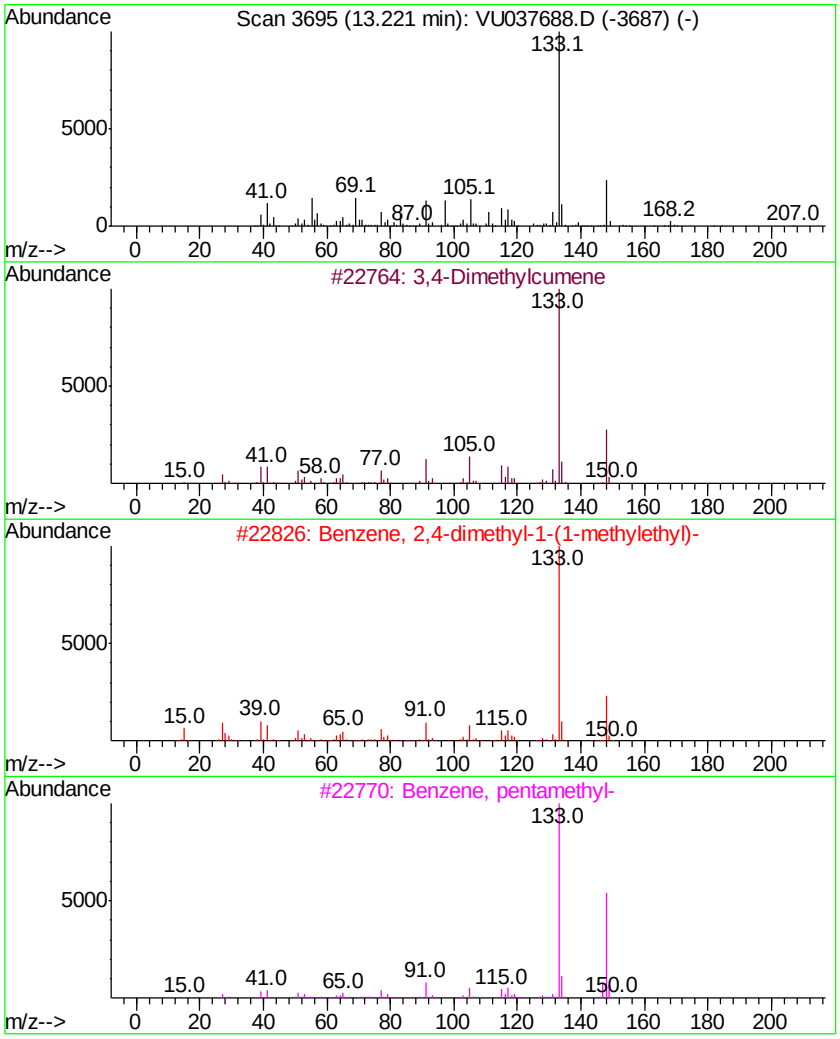
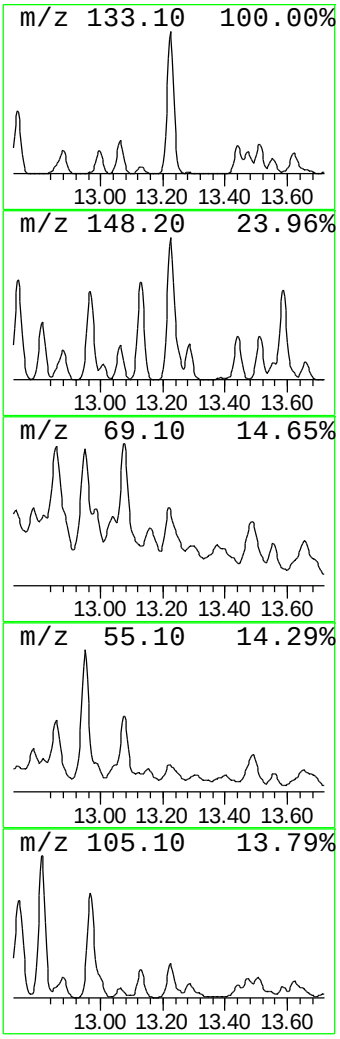
Peak Number 67 3,4-Dimethylcumene Concentration Rank 44

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.22 | 50.53 ug/L | 4745160 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,4-Dimethylcumene | 148 | C11H16 | 1000370-34-1 | 94 |
| 2 | Benzene, 2,4-dimethyl-1-(1-methy... | 148 | C11H16 | 004706-89-2 | 93 |
| 3 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 90 |
| 4 | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16 | 004706-90-5 | 90 |
| 5 | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16 | 004706-90-5 | 90 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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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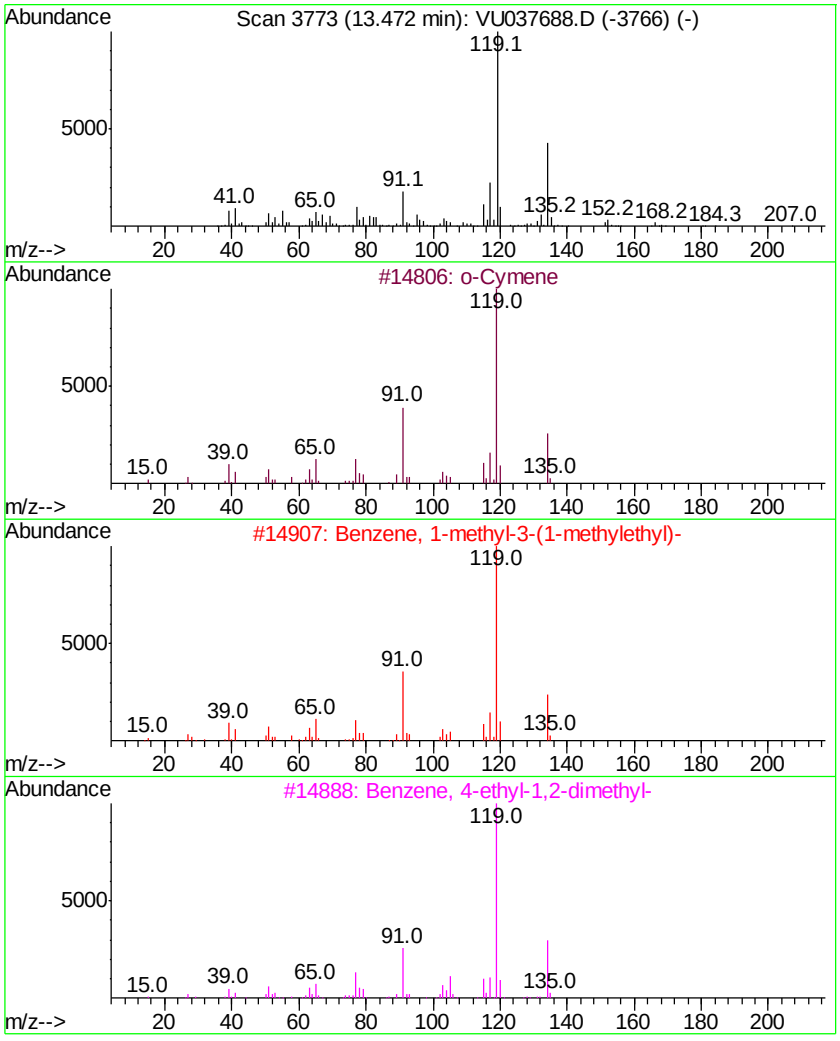
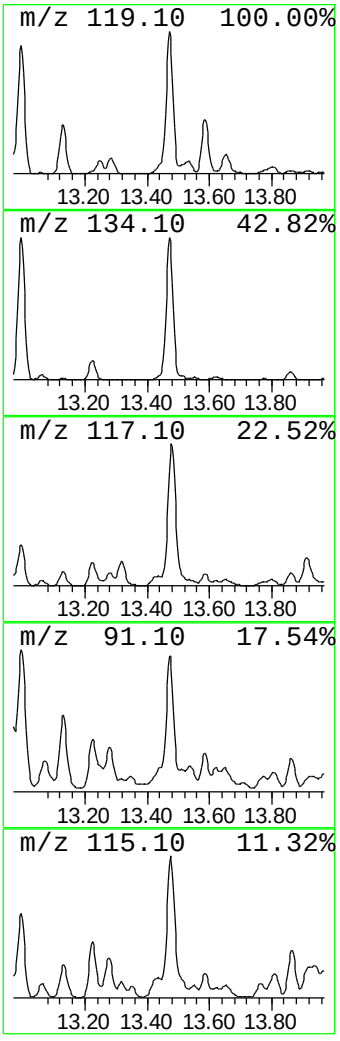
Peak Number 68 o-Cymene Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.47 | 116.95 ug/L | 10983600 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 87 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 87 |
| 3 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 81 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 81 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 81 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

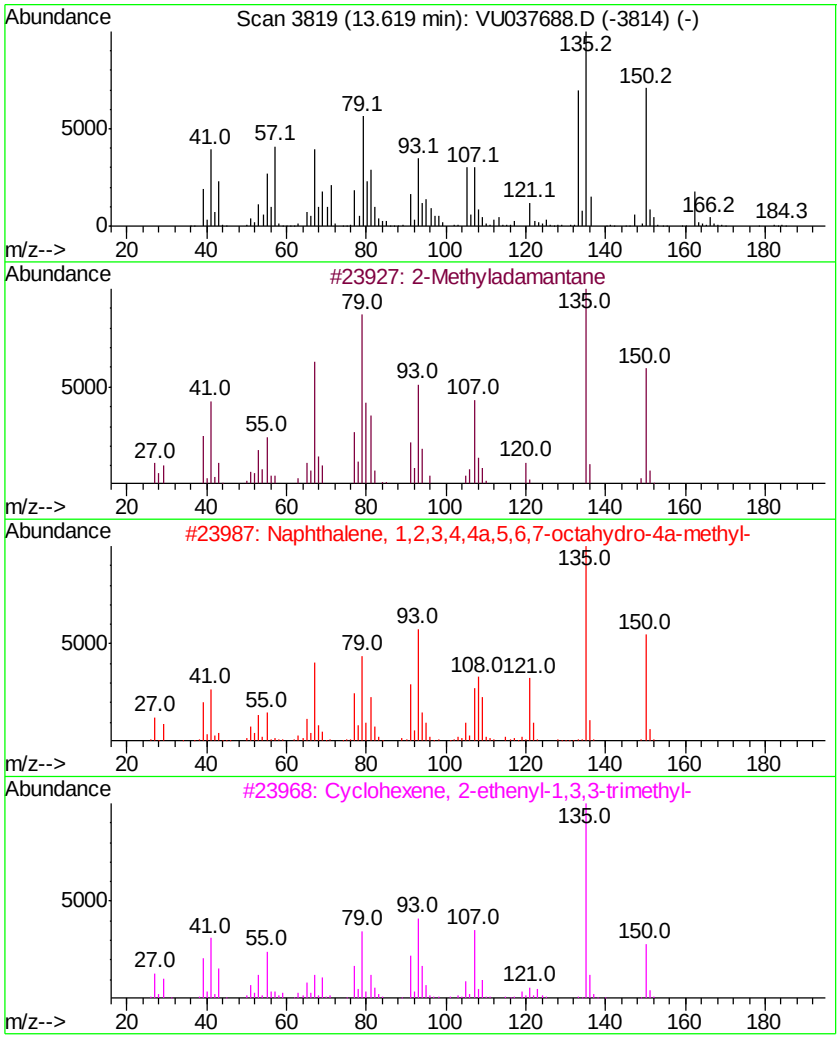
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

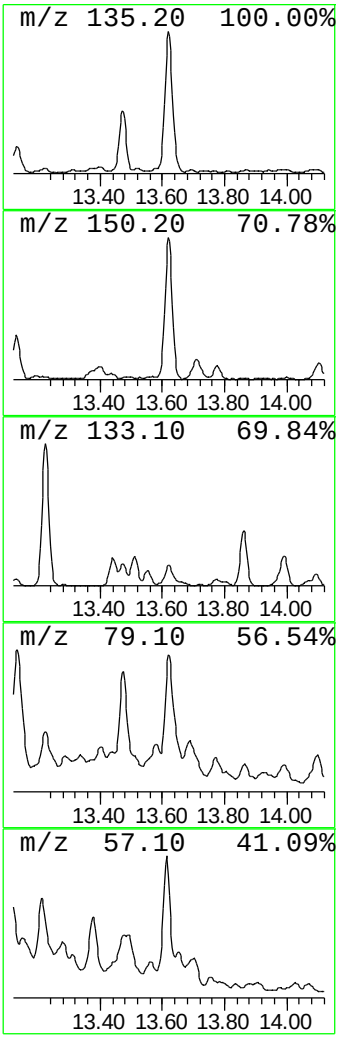
**********

Peak Number 69 2-Methyladamantane Concentration Rank 69

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.62 | 11.72 ug/L | 1100470 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methyladamantane | 150 | C11H18 | 000700-56-1 | 76 |
| 2 | Naphthalene, 1,2,3,4,4a,5,6,7-oc... | 150 | C11H18 | 013943-77-6 | 59 |
| 3 | Cyclohexene, 2-ethenyl-1,3,3-tri... | 150 | C11H18 | 005293-90-3 | 55 |
| 4 | 2H-Inden-2-one, 1,4,5,6,7,7a-hex... | 150 | C10H14O | 054725-16-5 | 45 |
| 5 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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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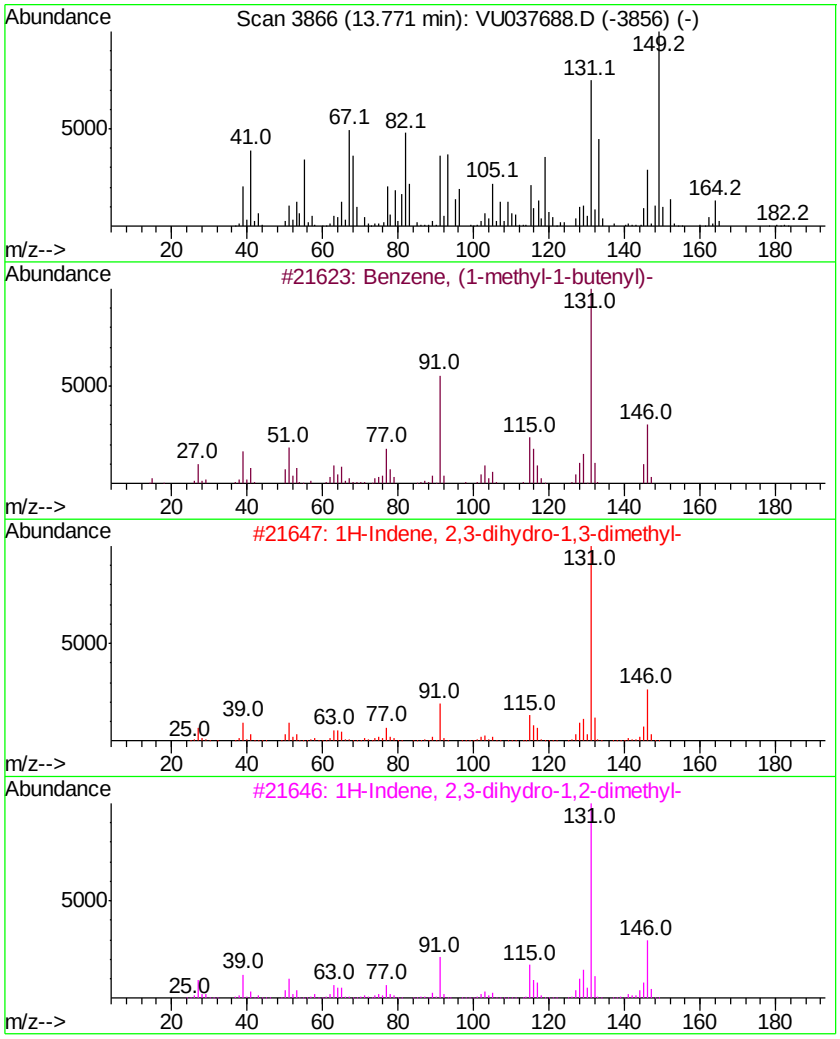
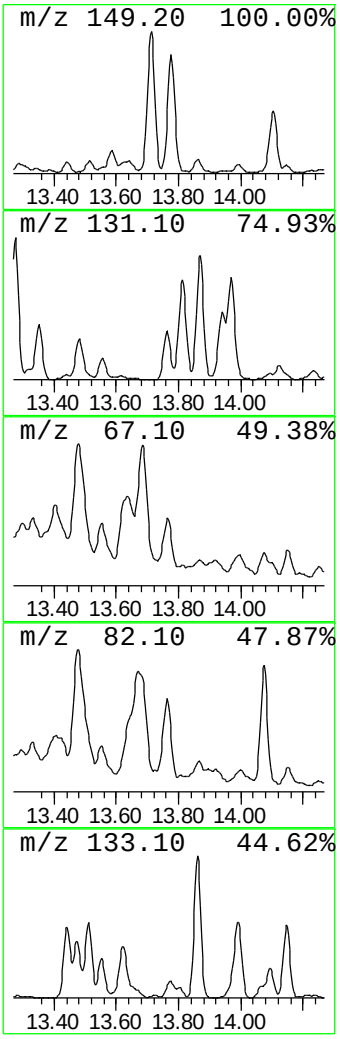
Peak Number 70 Benzene, (1-methyl-1-butenyl)- Concentration Rank 64

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.77 | 15.39 ug/L | 1444960 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 62 |
| 2 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 60 |
| 3 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 48 |
| 4 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 47 |
| 5 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 47 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

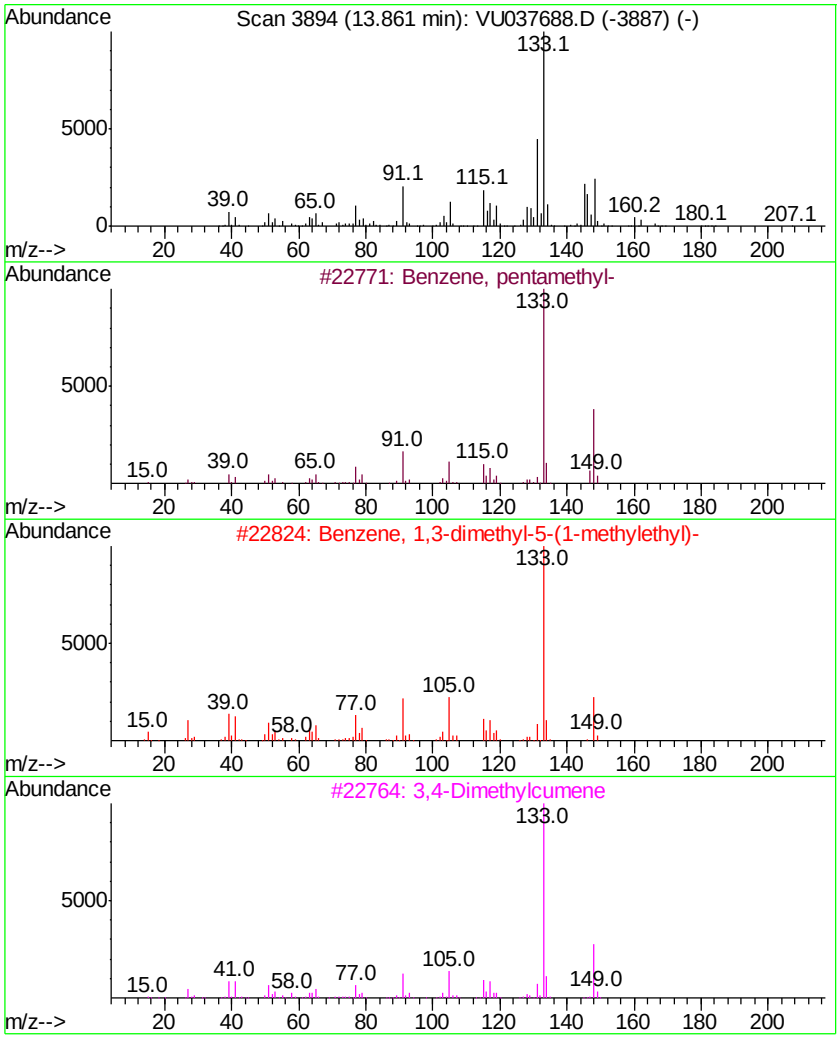
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

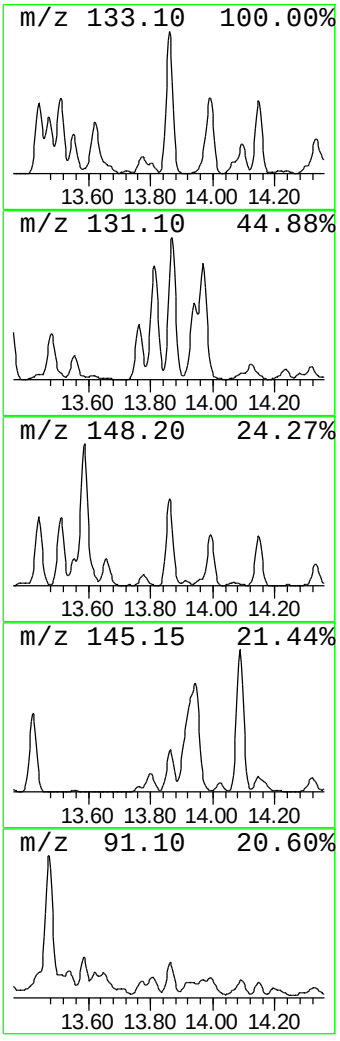
**********

Peak Number 71 Benzene, pentamethyl- Concentration Rank 59

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.86 | 20.56 ug/L | 1931260 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 55 |
| 2 | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16 | 004706-90-5 | 49 |
| 3 | 3,4-Dimethylcumene | 148 | C11H16 | 1000370-34-1 | 46 |
| 4 | Benzene, 1,4-dimethyl-2-(1-methy... | 148 | C11H16 | 004132-72-3 | 43 |
| 5 | 4-tert-Butyltoluene | 148 | C11H16 | 000098-51-1 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

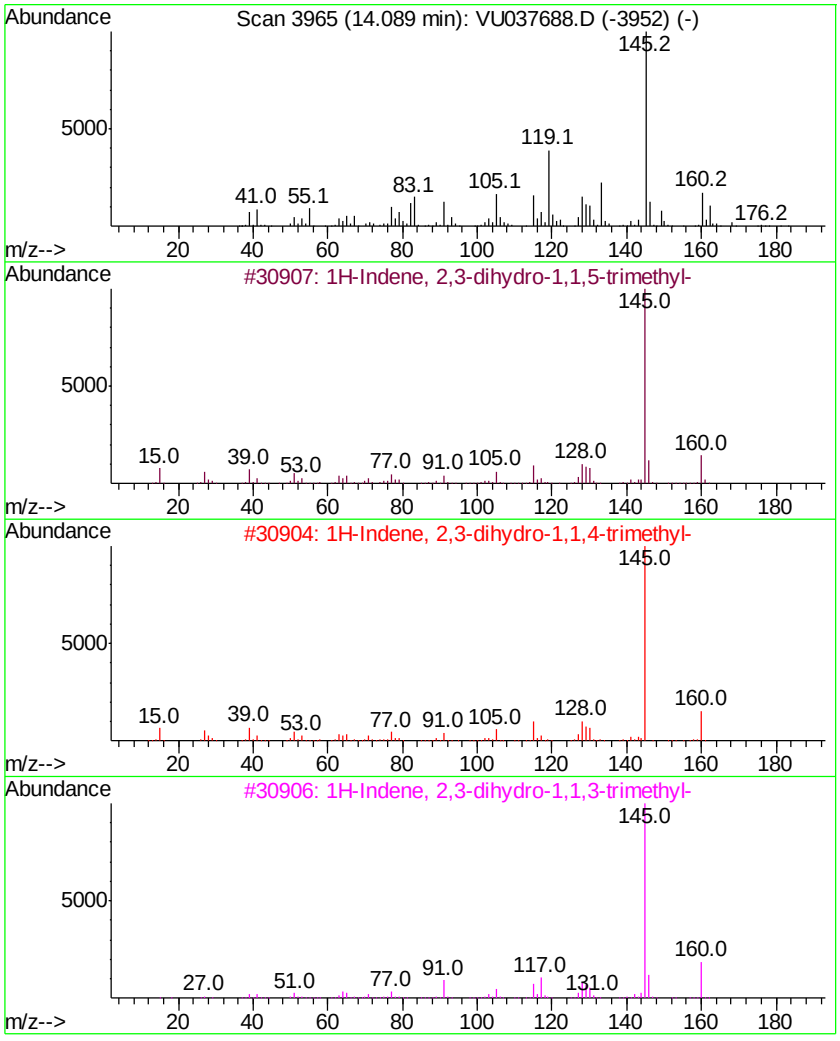
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

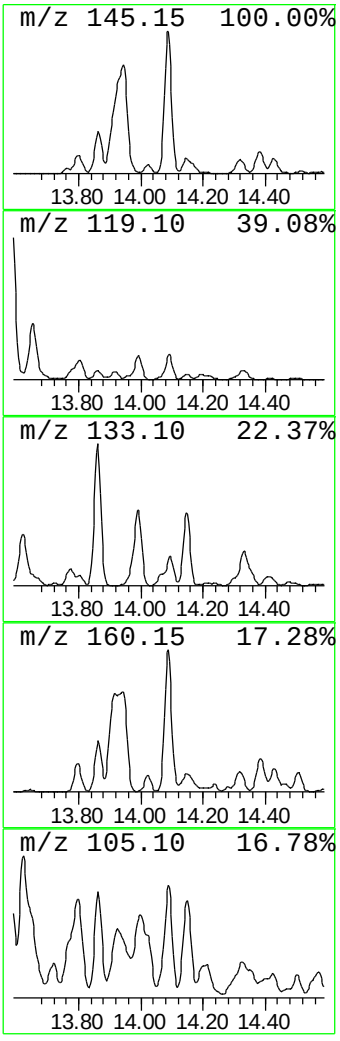
**********

Peak Number 72 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 57

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.09 | 24.69 ug/L | 2318710 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,1,5-tri... | 160 | C12H16 | 040650-41-7 | 93 |
| 2 | 1H-Indene, 2,3-dihydro-1,1,4-tri... | 160 | C12H16 | 016204-72-1 | 78 |
| 3 | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 | C12H16 | 002613-76-5 | 70 |
| 4 | Benzene, 1-(1-methylethenyl)-4-(... | 160 | C12H16 | 002388-14-9 | 70 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 025419-33-4 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

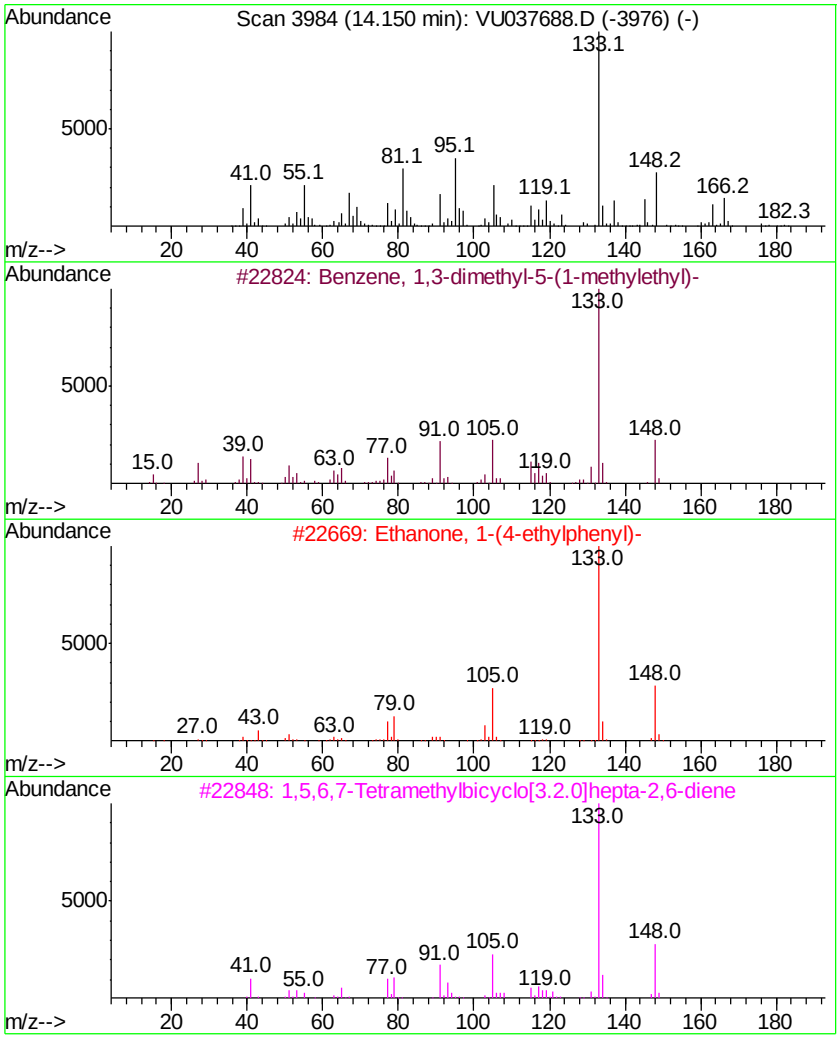
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

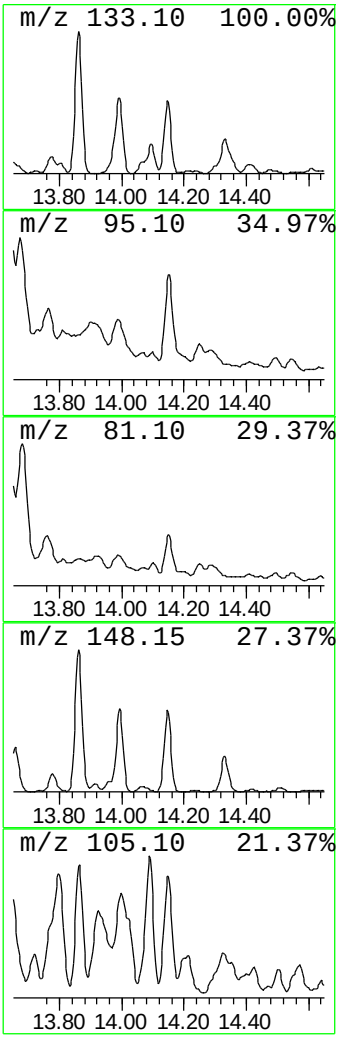
**********

Peak Number 73 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 68

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.15 | 13.27 ug/L | 1246610 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16 | 004706-90-5 | 58 |
| 2 | Ethanone, 1-(4-ethylphenyl)- | 148 | C10H12O | 000937-30-4 | 58 |
| 3 | 1,5,6,7-Tetramethylbicyclo[3.2.0... | 148 | C11H16 | 134329-46-7 | 58 |
| 4 | 3,4-Dimethylcumene | 148 | C11H16 | 1000370-34-1 | 58 |
| 5 | 4-tert-Butyltoluene | 148 | C11H16 | 000098-51-1 | 55 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

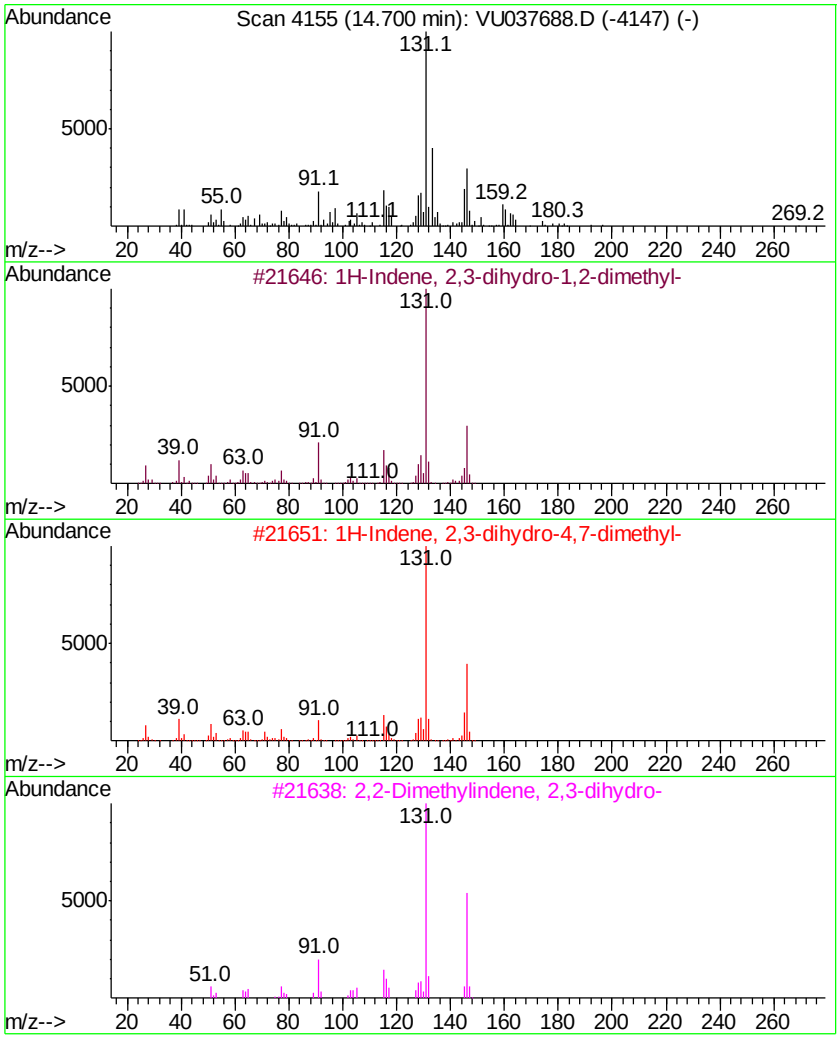
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

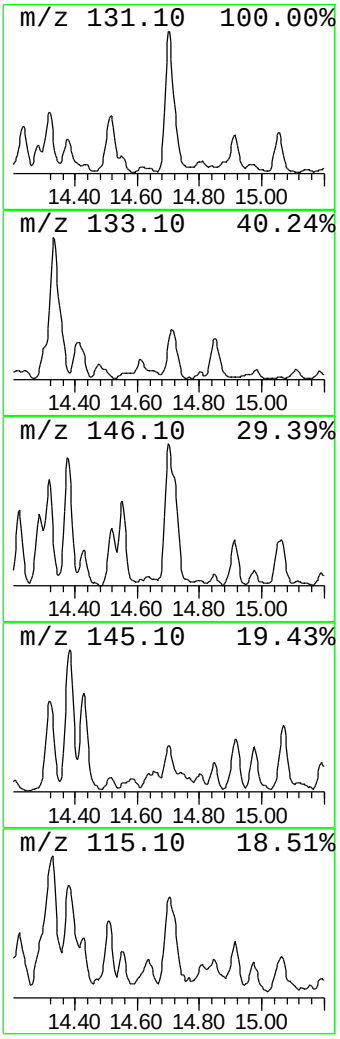
**********

Peak Number 74 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 75

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.70 | 4.95 ug/L | 464435 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 64 |
| 2 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 64 |
| 3 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 64 |
| 4 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 62 |
| 5 | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14 | 001685-82-1 | 60 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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

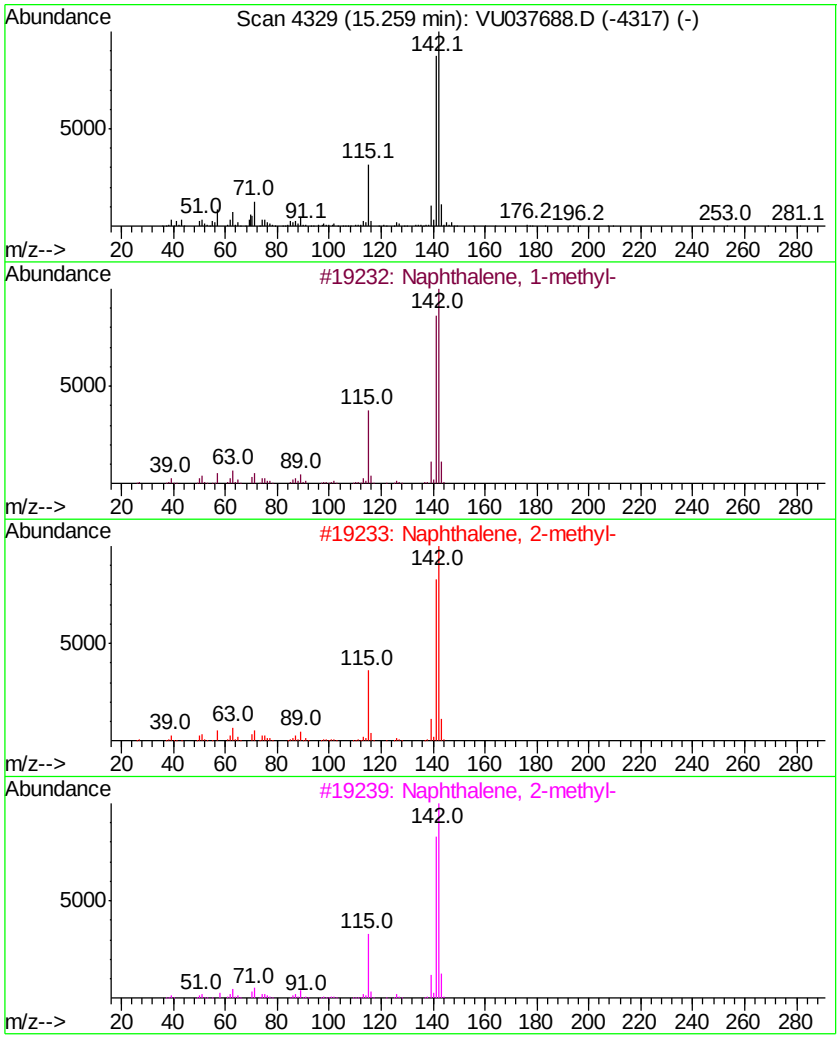
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

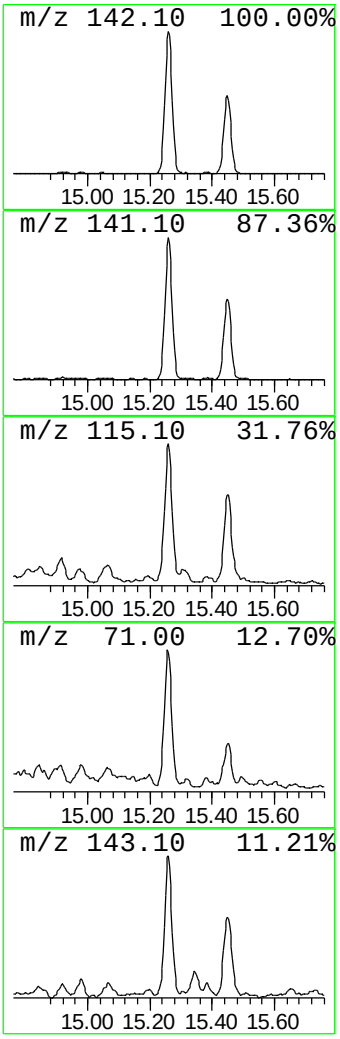
**********

Peak Number 75 Naphthalene, 1-methyl- Concentration Rank 74

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.26 | 5.32 ug/L | 499618 | 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 | 94 |
| 5 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041320\
Data File : VU037688.D
Acq On : 13 Apr 2020 16:58
Operator : JC/MD
Sample : L2176-04ME
Misc : 2.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG2J0ME

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 |
| (DEL) Alkane: Str... | 5.48 | 7.5 | ug/L | 233805 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Cyc... | 5.87 | 13.6 | ug/L | 425079 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Cyc... | 5.94 | 10.1 | ug/L | 313467 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Cyc... | 6.01 | 15.5 | ug/L | 483787 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Str... | 6.63 | 7.4 | ug/L | 232187 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Str... | 6.89 | 36.2 | ug/L | 1130290 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Cyc... | 7.00 | 7.5 | ug/L | 234194 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Cyc... | 7.09 | 63.6 | ug/L | 1985810 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Cyc... | 7.26 | 68.7 | ug/L | 2143170 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Str... | 7.45 | 27.2 | ug/L | 848546 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Str... | 7.49 | 16.9 | ug/L | 526978 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Str... | 7.71 | 32.9 | ug/L | 1027030 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Cyc... | 7.78 | 22.3 | ug/L | 695930 | 1 | 6.28 | 1560170 | 50.0 |
| (DEL) Alkane: Cyc... | 8.06 | 71.8 | ug/L | 2522990 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Cyc... | 8.11 | 46.1 | ug/L | 1620210 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Cyc... | 8.26 | 186.8 | ug/L | 6569080 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Cyc... | 8.39 | 71.3 | ug/L | 2507410 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 8.45 | 16.6 | ug/L | 583967 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 8.49 | 29.4 | ug/L | 1034310 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 8.55 | 66.0 | ug/L | 2320030 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 8.78 | 97.5 | ug/L | 3429370 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Cyc... | 8.82 | 101.3 | ug/L | 3562360 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Cyc... | 8.88 | 165.3 | ug/L | 5812390 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Cyc... | 8.94 | 271.2 | ug/L | 9536920 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 8.99 | 78.1 | ug/L | 2745290 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Cyc... | 9.09 | 65.6 | ug/L | 2305830 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 9.14 | 123.5 | ug/L | 4340880 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Cyc... | 9.19 | 240.9 | ug/L | 8471850 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 9.35 | 77.9 | ug/L | 2740730 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Cyc... | 9.49 | 14.3 | ug/L | 501381 | 2 | 9.44 | 1758140 | 50.0 |
| Pentalene, octahy... | 9.53 | 27.5 | ug/L | 967242 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 9.78 | 245.0 | ug/L | 8613740 | 2 | 9.44 | 1758140 | 50.0 |
| Cyclohexene, 1-et... | 9.91 | 130.1 | ug/L | 4573590 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 9.97 | 50.4 | ug/L | 1772150 | 2 | 9.44 | 1758140 | 50.0 |
| unknown-01 | 10.04 | 607.4 | ug/L | 21356700 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Cyc... | 10.14 | 117.4 | ug/L | 4127520 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 10.26 | 842.6 | ug/L | 29629600 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 10.33 | 104.2 | ug/L | 3662830 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Cyc... | 10.38 | 753.9 | ug/L | 26510300 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 10.41 | 436.7 | ug/L | 15354800 | 2 | 9.44 | 1758140 | 50.0 |
| (DEL) Alkane: Str... | 10.57 | 565.9 | ug/L | 19898100 | 2 | 9.44 | 1758140 | 50.0 |
| Cyclopropene, 1-b... | 10.72 | 87.2 | ug/L | 8192980 | 3 | 11.83 | 4695710 | 50.0 |
| (DEL) Alkane: Cyc... | 10.83 | 196.2 | ug/L | 18422400 | 3 | 11.83 | 4695710 | 50.0 |
| Benzene, propyl- | 10.92 | 13.9 | ug/L | 1309000 | 3 | 11.83 | 4695710 | 50.0 |
| (DEL) Alkane: Cyc... | 10.97 | 112.7 | ug/L | 10586400 | 3 | 11.83 | 4695710 | 50.0 |
| (DEL) Alkane: Cyc... | 11.03 | 109.3 | ug/L | 10263500 | 3 | 11.83 | 4695710 | 50.0 |
| (DEL) Alkane: Cyc... | 11.08 | 117.6 | ug/L | 11044200 | 3 | 11.83 | 4695710 | 50.0 |
| (DEL) Alkane: Cyc... | 11.14 | 148.0 | ug/L | 13897300 | 3 | 11.83 | 4695710 | 50.0 |
| (DEL) Alkane: Str... | 11.20 | 51.2 | ug/L | 4805260 | 3 | 11.83 | 4695710 | 50.0 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| (DEL) Alkane: Str... | 11.26 | 19.9 | ug/L | 1867610 | 3 | 11.83 | 4695710 | 50.0 |
| unknown-02 | 11.33 | 170.3 | ug/L | 15995400 | 3 | 11.83 | 4695710 | 50.0 |
| unknown-03 | 11.39 | 35.9 | ug/L | 3373920 | 3 | 11.83 | 4695710 | 50.0 |
| (DEL) Alkane: Str... | 11.43 | 87.7 | ug/L | 8232370 | 3 | 11.83 | 4695710 | 50.0 |
| unknown-04 | 11.48 | 58.5 | ug/L | 5492700 | 3 | 11.83 | 4695710 | 50.0 |
| (DEL) Alkane: Str... | 11.59 | 43.7 | ug/L | 4103840 | 3 | 11.83 | 4695710 | 50.0 |
| (DEL) Alkane: Cyc... | 11.73 | 128.4 | ug/L | 12057200 | 3 | 11.83 | 4695710 | 50.0 |
| unknown-05 | 11.94 | 30.1 | ug/L | 2826850 | 3 | 11.83 | 4695710 | 50.0 |
| Benzene, 1,2-diet... | 12.11 | 105.3 | ug/L | 9884290 | 3 | 11.83 | 4695710 | 50.0 |
| unknown-06 | 12.40 | 101.9 | ug/L | 9566350 | 3 | 11.83 | 4695710 | 50.0 |
| unknown-07 | 12.69 | 37.0 | ug/L | 3469740 | 3 | 11.83 | 4695710 | 50.0 |
| (DEL) Alkane: Cyc... | 12.95 | 118.5 | ug/L | 11126200 | 3 | 11.83 | 4695710 | 50.0 |
| Benzene, 1,2,3,5-... | 12.99 | 82.2 | ug/L | 7716080 | 3 | 11.83 | 4695710 | 50.0 |
| Naphthalene, deca... | 13.07 | 105.0 | ug/L | 9859700 | 3 | 11.83 | 4695710 | 50.0 |
| Benzene, 1-methyl... | 13.13 | 52.7 | ug/L | 4950610 | 3 | 11.83 | 4695710 | 50.0 |
| 3,4-Dimethylcumene | 13.22 | 50.5 | ug/L | 4745160 | 3 | 11.83 | 4695710 | 50.0 |
| o-Cymene | 13.47 | 117.0 | ug/L | 10983600 | 3 | 11.83 | 4695710 | 50.0 |
| 2-Methyladamantane | 13.62 | 11.7 | ug/L | 1100470 | 3 | 11.83 | 4695710 | 50.0 |
| Benzene, (1-methy... | 13.77 | 15.4 | ug/L | 1444960 | 3 | 11.83 | 4695710 | 50.0 |
| Benzene, pentamet... | 13.86 | 20.6 | ug/L | 1931260 | 3 | 11.83 | 4695710 | 50.0 |
| 1H-Indene, 2,3-di... | 14.09 | 24.7 | ug/L | 2318710 | 3 | 11.83 | 4695710 | 50.0 |
| Benzene, 1,3-dime... | 14.15 | 13.3 | ug/L | 1246610 | 3 | 11.83 | 4695710 | 50.0 |
| 1H-Indene, 2,3-di... | 14.70 | 5.0 | ug/L | 464435 | 3 | 11.83 | 4695710 | 50.0 |
| Naphthalene, 1-me... | 15.26 | 5.3 | ug/L | 499618 | 3 | 11.83 | 4695710 | 50.0 |

**Instrument :**
MSVOA_U
**ClientSampleId :**
BG2J0ME