LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

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\SOMULM113018WMA.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 | 1.395 | 59 | 69 | 81 | rBV3 | 474261 | 604119 | 22.05% | 1.578% |
| 2 | 1.640 | 139 | 145 | 156 | rBV | 349030 | 389465 | 14.22% | 1.017% |
| 3 | 1.694 | 157 | 162 | 173 | rVB | 139322 | 149858 | 5.47% | 0.391% |
| 4 | 1.836 | 197 | 206 | 212 | rBV2 | 76641 | 104214 | 3.80% | 0.272% |
| 5 | 1.881 | 212 | 220 | 239 | rVB | 304816 | 458752 | 16.75% | 1.198% |
| 6 | 1.997 | 248 | 256 | 266 | rVB | 44791 | 63103 | 2.30% | 0.165% |
| 7 | 2.141 | 293 | 301 | 313 | rVB2 | 56555 | 89523 | 3.27% | 0.234% |
| 8 | 2.238 | 320 | 331 | 346 | rBV | 581105 | 906015 | 33.07% | 2.366% |
| 9 | 2.604 | 433 | 445 | 453 | rBV5 | 24258 | 56726 | 2.07% | 0.148% |
| 10 | 2.710 | 468 | 478 | 488 | rVV2 | 128922 | 260039 | 9.49% | 0.679% |
| 11 | 2.762 | 488 | 494 | 511 | rVB3 | 42716 | 87357 | 3.19% | 0.228% |
| 12 | 2.964 | 539 | 557 | 574 | rVV | 71898 | 157792 | 5.76% | 0.412% |
| 13 | 3.177 | 606 | 623 | 637 | rBV2 | 108509 | 237085 | 8.65% | 0.619% |
| 14 | 3.276 | 637 | 654 | 676 | rVB2 | 293247 | 625055 | 22.82% | 1.632% |
| 15 | 3.534 | 725 | 734 | 751 | rVB2 | 31271 | 72064 | 2.63% | 0.188% |
| 16 | 3.714 | 777 | 790 | 805 | rBV5 | 19235 | 58219 | 2.13% | 0.152% |
| 17 | 4.070 | 882 | 901 | 919 | rBV2 | 126418 | 340861 | 12.44% | 0.890% |
| 18 | 4.189 | 923 | 938 | 993 | rVB | 196937 | 706488 | 25.79% | 1.845% |
| 19 | 4.643 | 1061 | 1079 | 1104 | rBV | 414921 | 1053133 | 38.44% | 2.750% |
| 20 | 4.762 | 1104 | 1116 | 1134 | rVB2 | 62723 | 145352 | 5.31% | 0.380% |
| 21 | 4.977 | 1166 | 1183 | 1196 | rBV4 | 138726 | 347038 | 12.67% | 0.906% |
| 22 | 5.058 | 1197 | 1208 | 1235 | rVB9 | 36945 | 130270 | 4.76% | 0.340% |
| 23 | 5.205 | 1235 | 1254 | 1272 | rBV3 | 101325 | 271938 | 9.93% | 0.710% |
| 24 | 5.331 | 1272 | 1293 | 1304 | rBV2 | 962753 | 2739589 | 100.00% | 7.154% |
| 25 | 5.469 | 1325 | 1336 | 1346 | rBV2 | 59872 | 134623 | 4.91% | 0.352% |
| 26 | 5.540 | 1353 | 1358 | 1369 | rVB3 | 46197 | 82511 | 3.01% | 0.215% |
| 27 | 5.611 | 1369 | 1380 | 1387 | rBV2 | 100141 | 208979 | 7.63% | 0.546% |
| 28 | 5.656 | 1388 | 1394 | 1412 | rVB3 | 105191 | 210213 | 7.67% | 0.549% |
| 29 | 5.771 | 1415 | 1430 | 1452 | rBV | 429202 | 870140 | 31.76% | 2.272% |
| 30 | 5.881 | 1452 | 1464 | 1476 | rBV | 459835 | 941613 | 34.37% | 2.459% |
| 31 | 6.212 | 1552 | 1567 | 1580 | rBV5 | 36124 | 86870 | 3.17% | 0.227% |
| 32 | 6.328 | 1588 | 1603 | 1615 | rBV | 617383 | 1288317 | 47.03% | 3.364% |
| 33 | 6.405 | 1617 | 1627 | 1641 | rVB3 | 263163 | 592274 | 21.62% | 1.547% |
| 34 | 6.633 | 1682 | 1698 | 1711 | rVB2 | 75317 | 144996 | 5.29% | 0.379% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

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\SOMULM113018WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.730 | 1711 | 1728 | 1743 | rVB2 | 39532 | 82192 | 3.00% | 0.215% |
| 36 | 6.897 | 1771 | 1780 | 1801 | rVB3 | 55265 | 136286 | 4.97% | 0.356% |
| 37 | 7.064 | 1820 | 1832 | 1840 | rBV2 | 79217 | 161528 | 5.90% | 0.422% |
| 38 | 7.173 | 1857 | 1866 | 1873 | rBV2 | 168052 | 276084 | 10.08% | 0.721% |
| 39 | 7.225 | 1873 | 1882 | 1906 | rVB | 378651 | 769500 | 28.09% | 2.009% |
| 40 | 7.337 | 1907 | 1917 | 1924 | rBV | 69770 | 116486 | 4.25% | 0.304% |
| 41 | 7.424 | 1935 | 1944 | 1962 | rVB3 | 91244 | 178899 | 6.53% | 0.467% |
| 42 | 7.562 | 1962 | 1987 | 2001 | rBV | 1229442 | 2462601 | 89.89% | 6.431% |
| 43 | 7.636 | 2002 | 2010 | 2022 | rVB2 | 102836 | 202325 | 7.39% | 0.528% |
| 44 | 7.723 | 2023 | 2037 | 2047 | rBV4 | 124488 | 251600 | 9.18% | 0.657% |
| 45 | 7.816 | 2056 | 2066 | 2072 | rBV | 442846 | 723513 | 26.41% | 1.889% |
| 46 | 7.910 | 2088 | 2095 | 2108 | rVB4 | 95716 | 170573 | 6.23% | 0.445% |
| 47 | 8.041 | 2126 | 2136 | 2144 | rBV2 | 49361 | 79379 | 2.90% | 0.207% |
| 48 | 8.093 | 2144 | 2152 | 2162 | rVB5 | 42658 | 71049 | 2.59% | 0.186% |
| 49 | 8.321 | 2201 | 2223 | 2237 | rBV | 938280 | 1828774 | 66.75% | 4.776% |
| 50 | 8.485 | 2268 | 2274 | 2282 | rVB3 | 64970 | 99626 | 3.64% | 0.260% |
| 51 | 8.543 | 2282 | 2292 | 2300 | rBV | 92293 | 160184 | 5.85% | 0.418% |
| 52 | 8.604 | 2304 | 2311 | 2321 | rVB | 63226 | 104150 | 3.80% | 0.272% |
| 53 | 8.749 | 2346 | 2356 | 2368 | rVB5 | 74290 | 147351 | 5.38% | 0.385% |
| 54 | 8.906 | 2398 | 2405 | 2414 | rVB2 | 102742 | 154714 | 5.65% | 0.404% |
| 55 | 9.028 | 2432 | 2443 | 2452 | rVB | 141746 | 220748 | 8.06% | 0.576% |
| 56 | 9.090 | 2452 | 2462 | 2475 | rBV | 694530 | 1194252 | 43.59% | 3.119% |
| 57 | 9.250 | 2503 | 2512 | 2523 | rBV | 100272 | 169412 | 6.18% | 0.442% |
| 58 | 9.373 | 2540 | 2550 | 2563 | rVB2 | 309401 | 523834 | 19.12% | 1.368% |
| 59 | 9.440 | 2563 | 2571 | 2596 | rVB | 563682 | 921992 | 33.65% | 2.408% |
| 60 | 9.562 | 2598 | 2609 | 2627 | rBV7 | 41233 | 93966 | 3.43% | 0.245% |
| 61 | 9.713 | 2645 | 2656 | 2666 | rBV3 | 73876 | 144325 | 5.27% | 0.377% |
| 62 | 9.781 | 2667 | 2677 | 2687 | rBV | 120722 | 204929 | 7.48% | 0.535% |
| 63 | 9.948 | 2712 | 2729 | 2739 | rBV3 | 136391 | 277473 | 10.13% | 0.725% |
| 64 | 10.045 | 2750 | 2759 | 2768 | rBV4 | 88834 | 167940 | 6.13% | 0.439% |
| 65 | 10.167 | 2787 | 2797 | 2804 | rBV6 | 34740 | 69317 | 2.53% | 0.181% |
| 66 | 10.254 | 2818 | 2824 | 2831 | rVB3 | 46815 | 62804 | 2.29% | 0.164% |
| 67 | 10.321 | 2832 | 2845 | 2850 | rBV4 | 85090 | 171699 | 6.27% | 0.448% |
| 68 | 10.437 | 2869 | 2881 | 2893 | rBV | 919294 | 1593468 | 58.16% | 4.161% |
| 69 | 10.681 | 2948 | 2957 | 2971 | rBV | 167607 | 372446 | 13.59% | 0.973% |
| 70 | 10.752 | 2971 | 2979 | 2990 | rVV2 | 193503 | 384909 | 14.05% | 1.005% |
| 71 | 10.813 | 2990 | 2998 | 3019 | rVB | 591503 | 913963 | 33.36% | 2.387% |

LSC Area Percent Report

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Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

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\SOMULM113018WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.971 | 3039 | 3047 | 3056 | rBV2 | 80754 | 126681 | 4.62% | 0.331% |
| 73 | 11.112 | 3084 | 3091 | 3095 | rBV | 79585 | 104749 | 3.82% | 0.274% |
| 74 | 11.147 | 3096 | 3102 | 3117 | rVB | 199668 | 305270 | 11.14% | 0.797% |
| 75 | 11.334 | 3153 | 3160 | 3170 | rVB6 | 44505 | 74770 | 2.73% | 0.195% |
| 76 | 11.398 | 3171 | 3180 | 3185 | rBV3 | 77294 | 124312 | 4.54% | 0.325% |
| 77 | 11.485 | 3197 | 3207 | 3217 | rBV | 842529 | 1304771 | 47.63% | 3.407% |
| 78 | 11.569 | 3226 | 3233 | 3240 | rBV | 118795 | 164327 | 6.00% | 0.429% |
| 79 | 11.607 | 3241 | 3245 | 3254 | rVB2 | 57569 | 73100 | 2.67% | 0.191% |
| 80 | 11.697 | 3267 | 3273 | 3284 | rVB2 | 50486 | 74150 | 2.71% | 0.194% |
| 81 | 11.771 | 3287 | 3296 | 3302 | rBV4 | 73717 | 131611 | 4.80% | 0.344% |
| 82 | 11.810 | 3303 | 3308 | 3313 | rVV | 46546 | 55624 | 2.03% | 0.145% |
| 83 | 11.861 | 3313 | 3324 | 3347 | rVB | 1389569 | 2327477 | 84.96% | 6.078% |
| 84 | 11.977 | 3349 | 3360 | 3366 | rBV3 | 135898 | 226995 | 8.29% | 0.593% |
| 85 | 12.022 | 3366 | 3374 | 3384 | rVB | 555125 | 754285 | 27.53% | 1.970% |
| 86 | 12.176 | 3417 | 3422 | 3430 | rVB3 | 59033 | 82101 | 3.00% | 0.214% |
| 87 | 12.356 | 3469 | 3478 | 3486 | rBV2 | 102600 | 168180 | 6.14% | 0.439% |
| 88 | 12.607 | 3548 | 3556 | 3561 | rBV3 | 66267 | 100602 | 3.67% | 0.263% |
| 89 | 12.700 | 3578 | 3585 | 3592 | rBV2 | 79163 | 125188 | 4.57% | 0.327% |
| 90 | 12.826 | 3618 | 3624 | 3635 | rVB4 | 38995 | 69436 | 2.53% | 0.181% |
| 91 | 12.964 | 3659 | 3667 | 3676 | rVB3 | 59137 | 85536 | 3.12% | 0.223% |
| 92 | 13.083 | 3696 | 3704 | 3708 | rBV4 | 65198 | 90674 | 3.31% | 0.237% |
| 93 | 13.122 | 3708 | 3716 | 3732 | rVB2 | 480635 | 736815 | 26.90% | 1.924% |
| 94 | 13.279 | 3757 | 3765 | 3789 | rVB5 | 84688 | 197341 | 7.20% | 0.515% |
| 95 | 13.456 | 3812 | 3820 | 3828 | rVB2 | 38915 | 59561 | 2.17% | 0.156% |
| 96 | 13.507 | 3828 | 3836 | 3843 | rBV5 | 34768 | 56488 | 2.06% | 0.148% |
| 97 | 13.742 | 3903 | 3909 | 3917 | rVB2 | 64841 | 95823 | 3.50% | 0.250% |
| 98 | 14.141 | 4025 | 4033 | 4050 | rVB3 | 88556 | 144121 | 5.26% | 0.376% |
| 99 | 14.880 | 4252 | 4263 | 4278 | rBV2 | 42412 | 87222 | 3.18% | 0.228% |
| 100 | 15.064 | 4310 | 4320 | 4337 | rVV4 | 25521 | 68236 | 2.49% | 0.178% |

Sum of corrected areas: 38294328

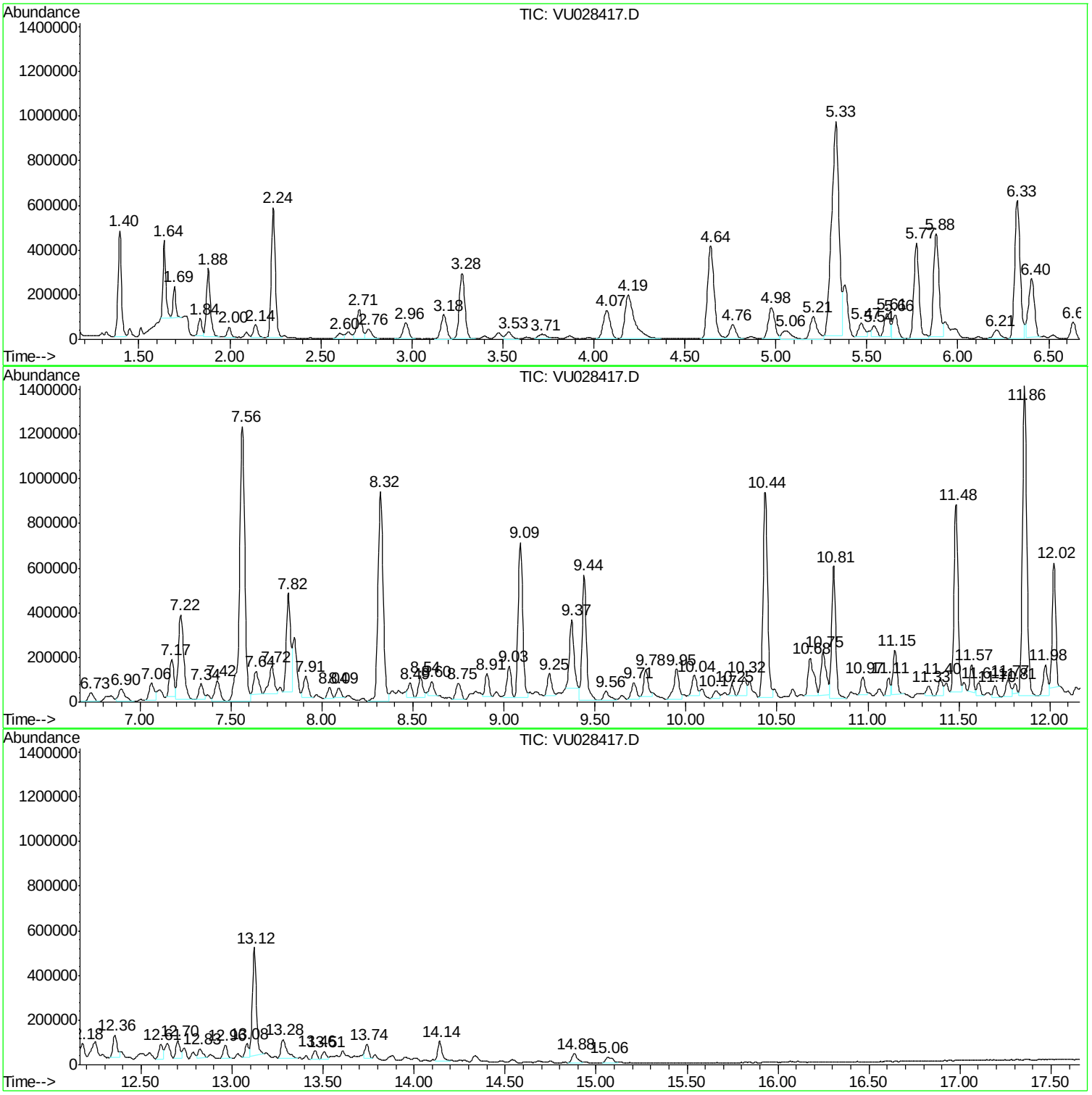
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

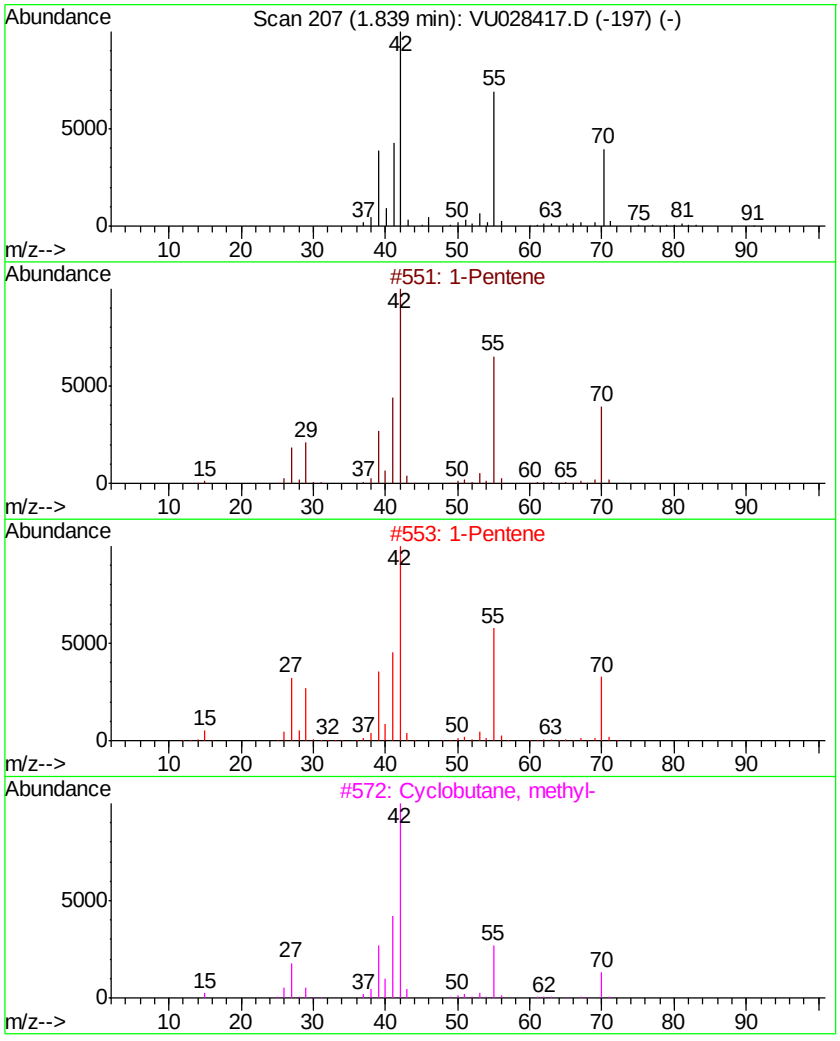
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

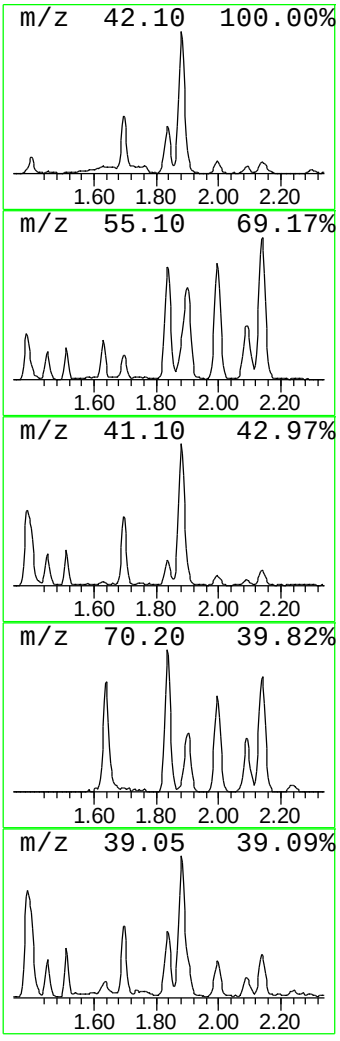
**********

Peak Number 2 (DEL) Alkane: Cyclic1.84 Concentration Rank 43

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.84 | 5.53 ug/L | 104214 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 90 |
| 2 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 70 |
| 3 | Cyclobutane, methyl- | 70 | C5H10 | 000598-61-8 | 64 |
| 4 | 2(3H)-Furanone, dihydro-3,5-dime... | 114 | C6H10O2 | 005145-01-7 | 64 |
| 5 | Cyclopropane, ethyl- | 70 | C5H10 | 001191-96-4 | 62 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

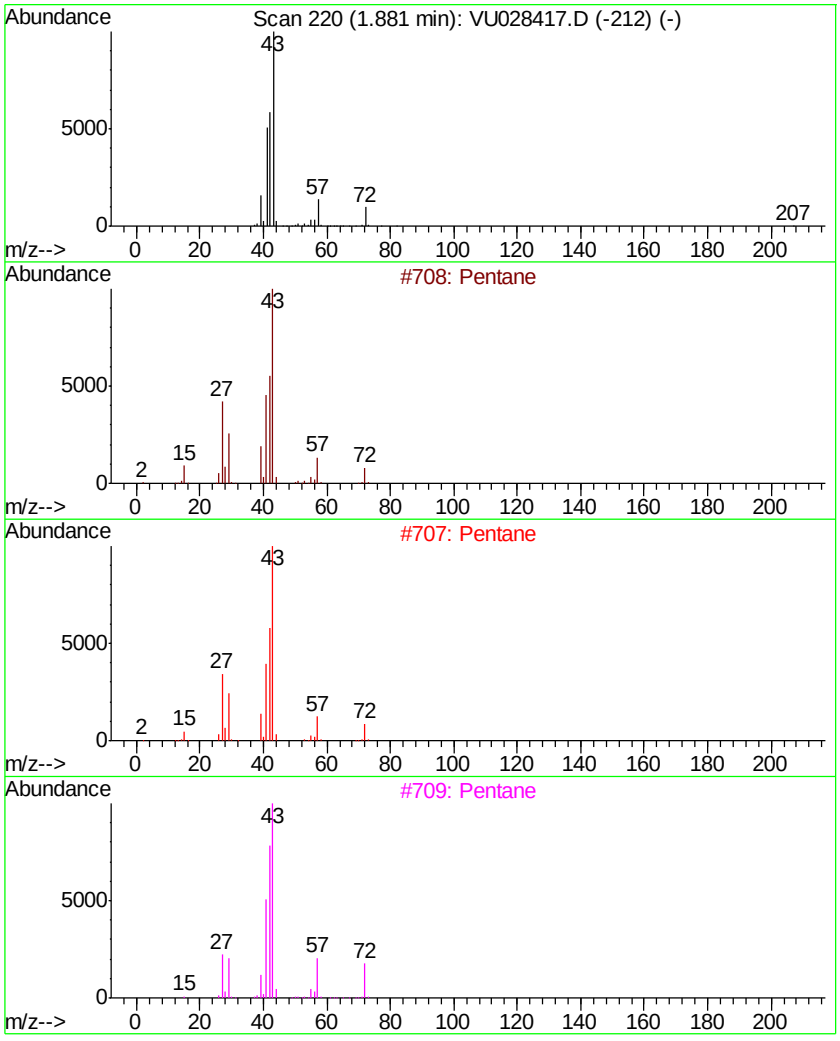
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

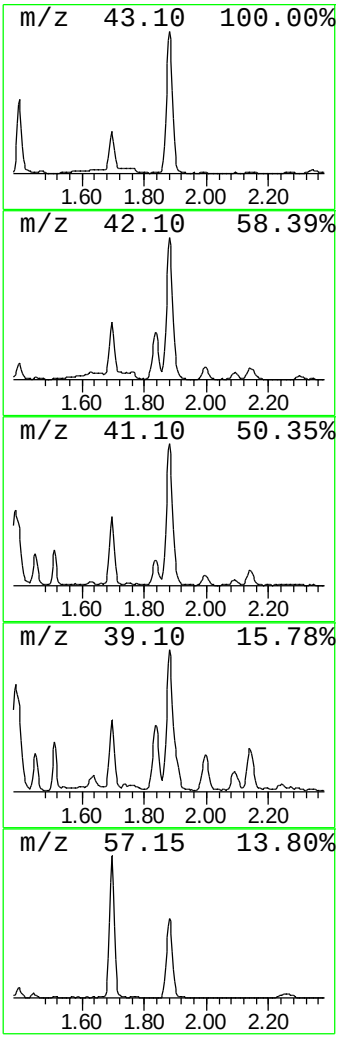
**********

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.88 | 24.36 ug/L | 458752 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane | 72 | C5H12 | 000109-66-0 | 90 |
| 2 | Pentane | 72 | C5H12 | 000109-66-0 | 86 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 64 |
| 4 | Pentane | 72 | C5H12 | 000109-66-0 | 49 |
| 5 | Oxirane, ethyl- | 72 | C4H8O | 000106-88-7 | 9 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

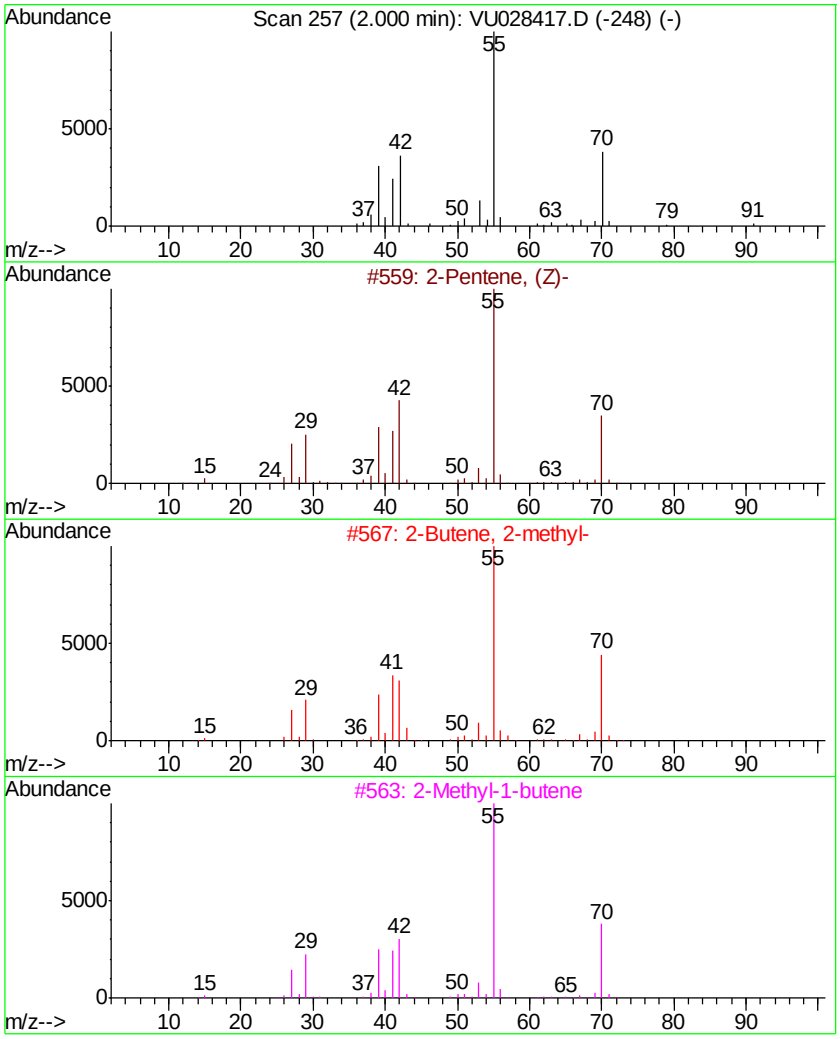
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

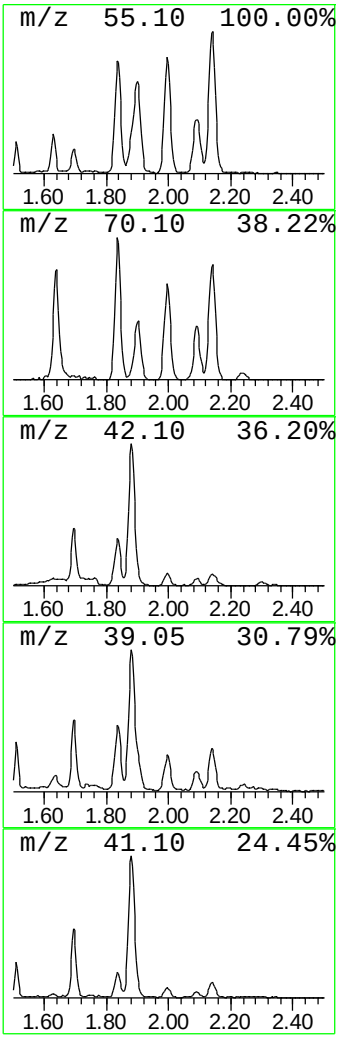
**********

Peak Number 4 (DEL) Alkane: Cyclic2.00 Concentration Rank 62

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.00 | 3.35 ug/L | 63103 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentene, (Z)- | 70 | C5H10 | 000627-20-3 | 90 |
| 2 | 2-Butene, 2-methyl- | 70 | C5H10 | 000513-35-9 | 86 |
| 3 | 2-Methyl-1-butene | 70 | C5H10 | 000563-46-2 | 86 |
| 4 | Cyclopropane, 1,2-dimethyl-, cis- | 70 | C5H10 | 000930-18-7 | 86 |
| 5 | 2-Pentene | 70 | C5H10 | 000109-68-2 | 86 |



# Library Search Compound Report

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Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

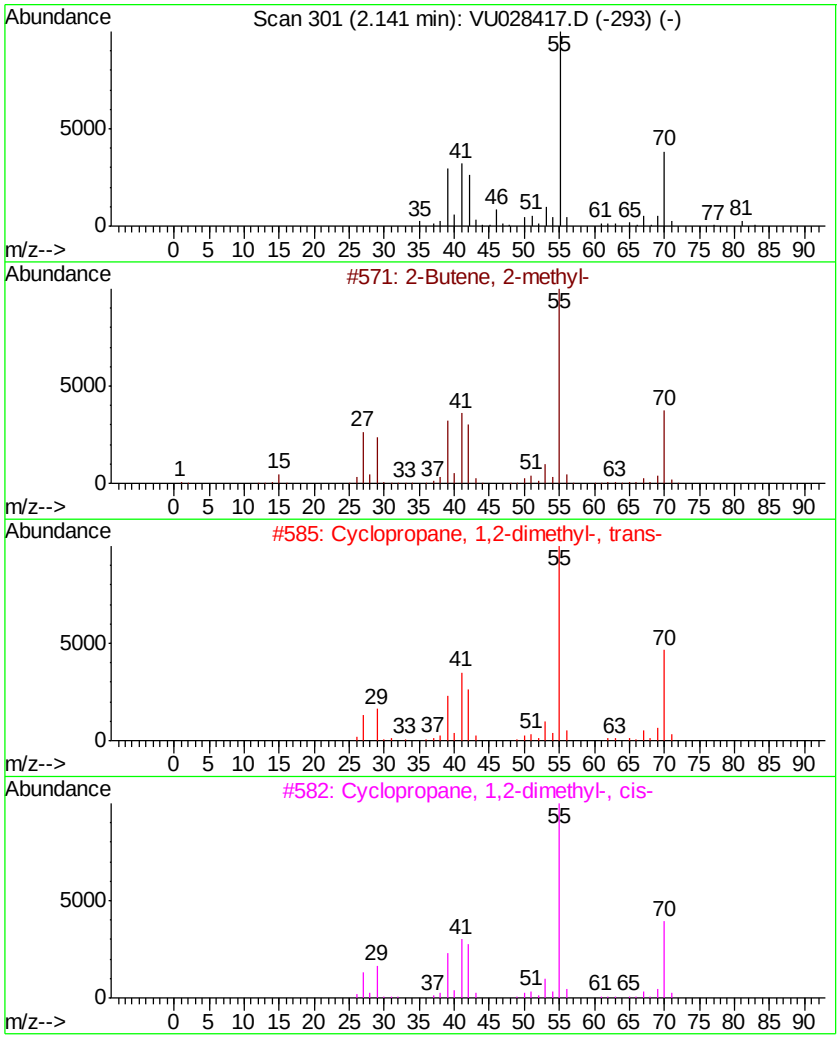
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

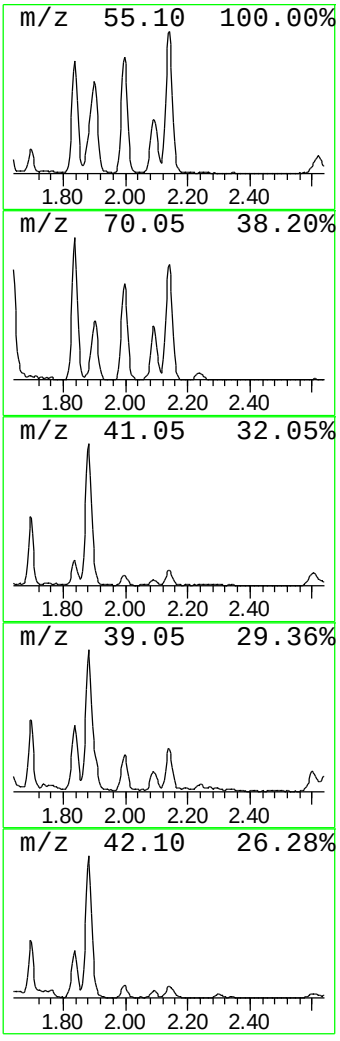
**********

Peak Number 5 (DEL) Alkane: Cyclic2.14 Concentration Rank 49

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.14 | 4.75 ug/L | 89523 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Butene, 2-methyl- | 70 | C5H10 | 000513-35-9 | 87 |
| 2 | Cyclopropane, 1,2-dimethyl-, trans- | 70 | C5H10 | 002402-06-4 | 87 |
| 3 | Cyclopropane, 1,2-dimethyl-, cis- | 70 | C5H10 | 000930-18-7 | 87 |
| 4 | 2-Butene, 2-methyl- | 70 | C5H10 | 000513-35-9 | 83 |
| 5 | 2-Butene, 2-methyl- | 70 | C5H10 | 000513-35-9 | 80 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

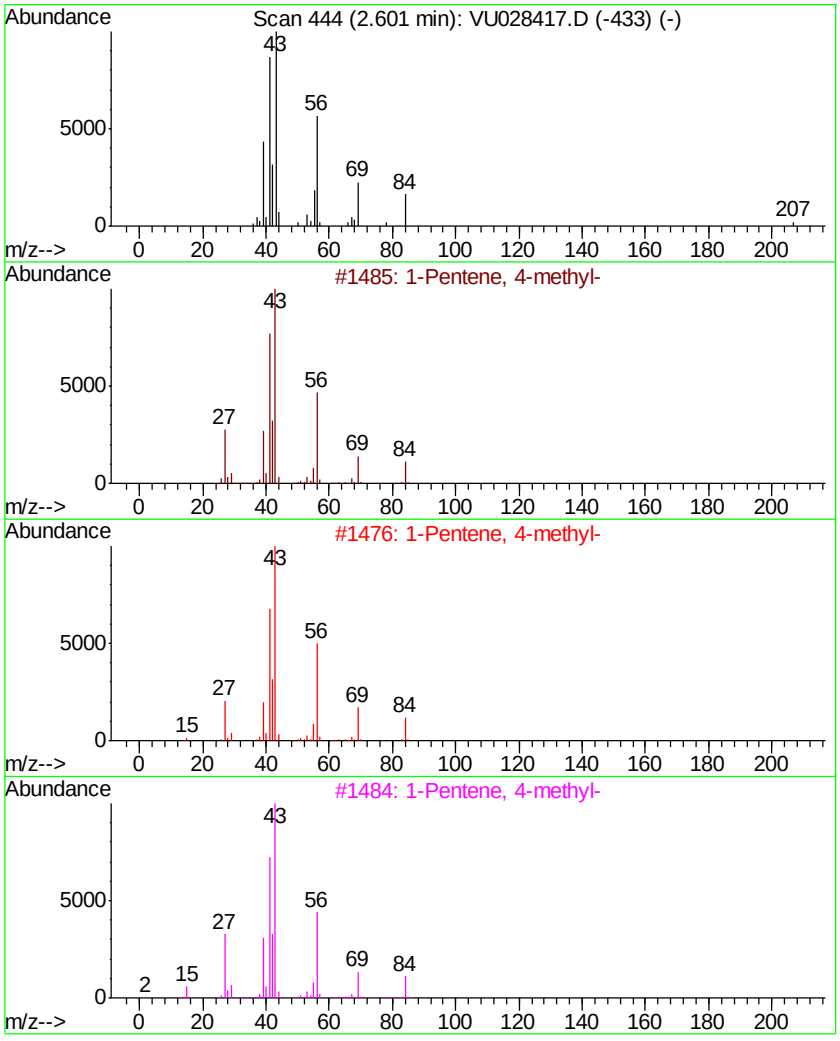
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

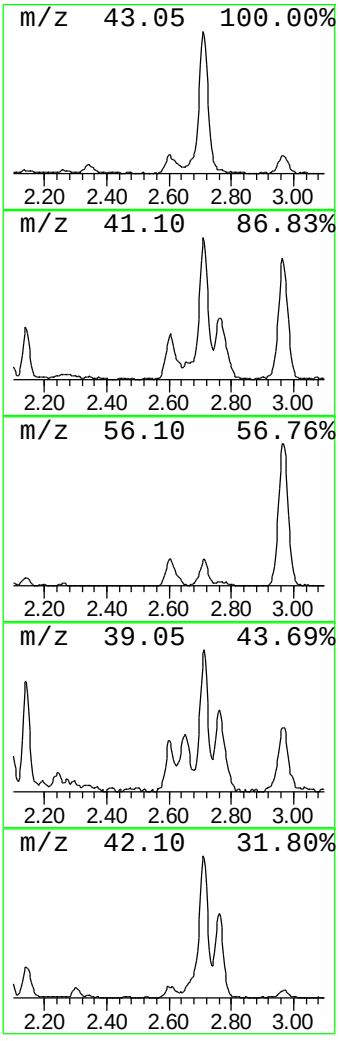
**********

Peak Number 6 (DEL) Alkane: Cyclic2.60 Concentration Rank 68

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.60 | 3.01 ug/L | 56726 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentene, 4-methyl- | 84 | C6H12 | 000691-37-2 | 64 |
| 2 | 1-Pentene, 4-methyl- | 84 | C6H12 | 000691-37-2 | 58 |
| 3 | 1-Pentene, 4-methyl- | 84 | C6H12 | 000691-37-2 | 58 |
| 4 | 1-Propene, 2-methyl- | 56 | C4H8 | 000115-11-7 | 52 |
| 5 | 1-Propene, 2-methyl- | 56 | C4H8 | 000115-11-7 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

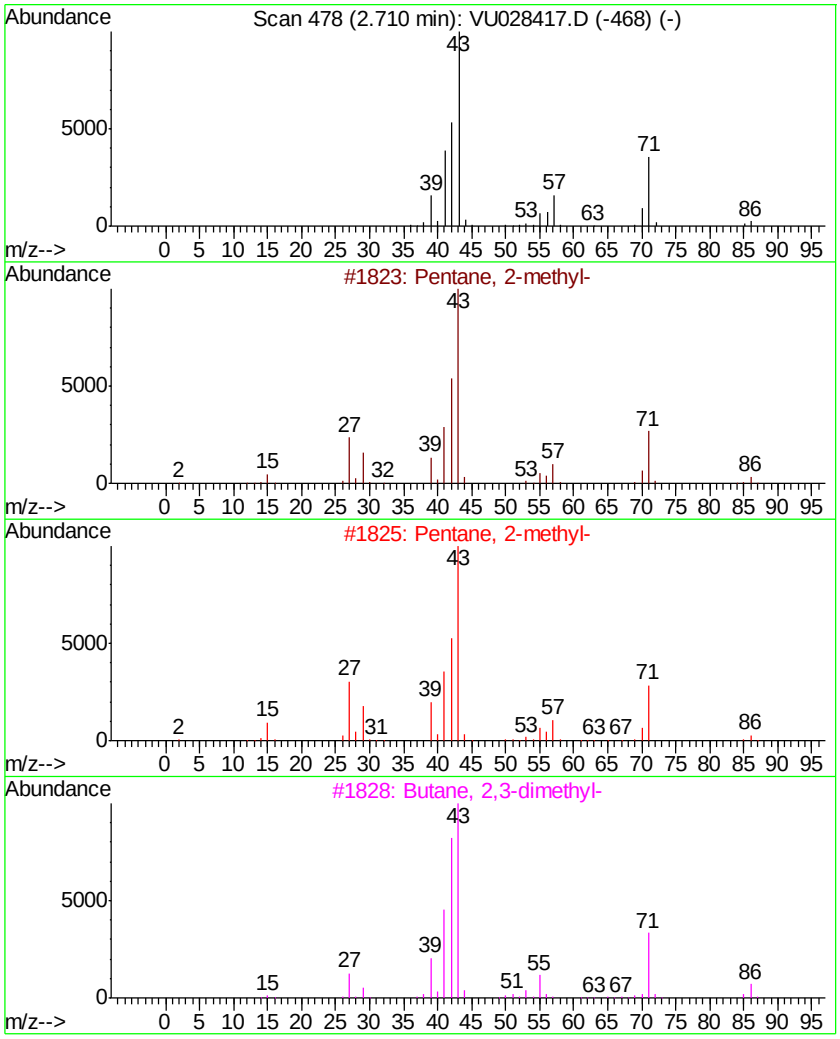
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

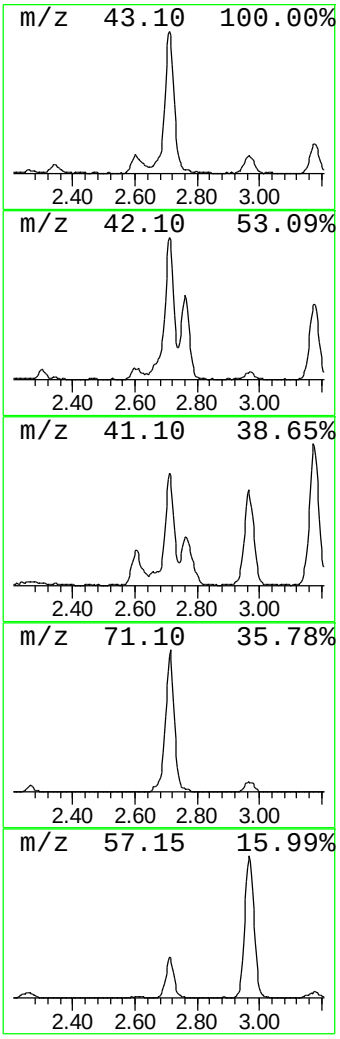
**********

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.71 | 13.81 ug/L | 260039 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 91 |
| 2 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 90 |
| 3 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 59 |
| 4 | Pentane | 72 | C5H12 | 000109-66-0 | 50 |
| 5 | Pentane | 72 | C5H12 | 000109-66-0 | 47 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

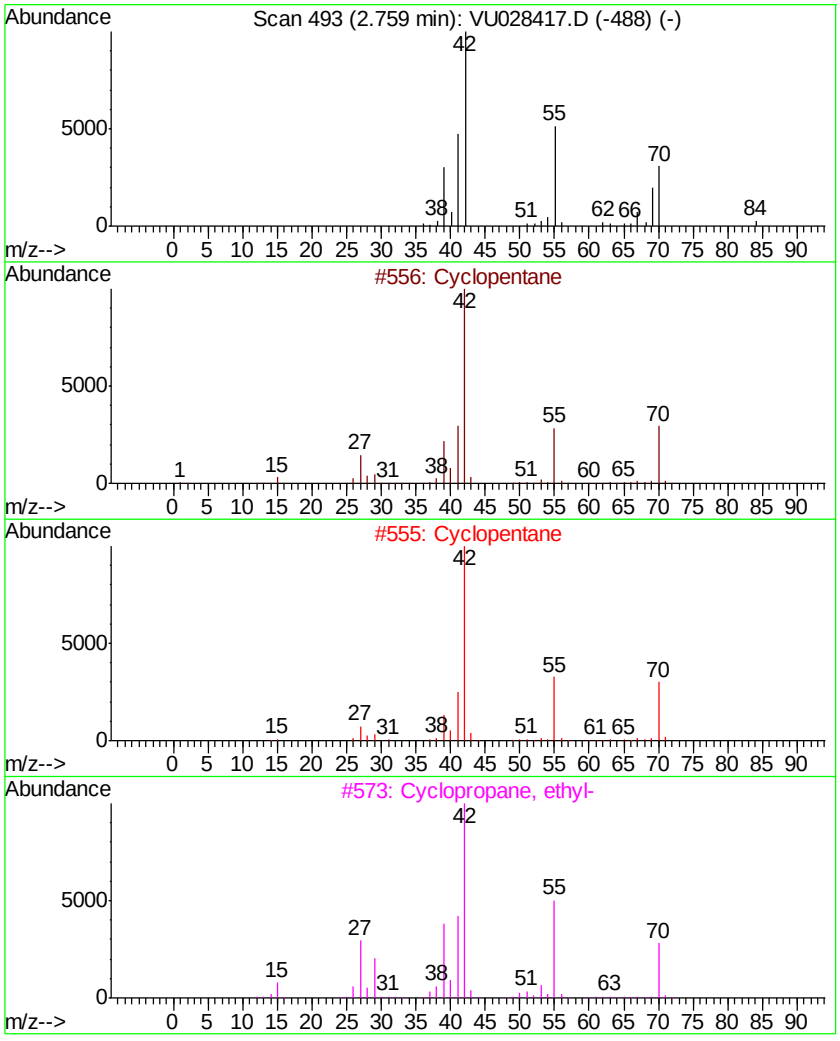
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

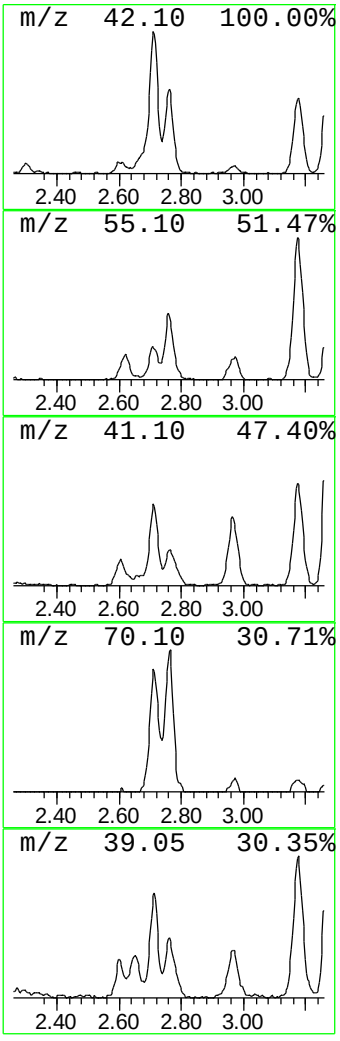
**********

Peak Number 8 (DEL) Alkane: Cyclic2.76 Concentration Rank 50

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.76 | 4.64 ug/L | 87357 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 72 |
| 2 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 72 |
| 3 | Cyclopropane, ethyl- | 70 | C5H10 | 001191-96-4 | 72 |
| 4 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 9 |
| 5 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 9 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

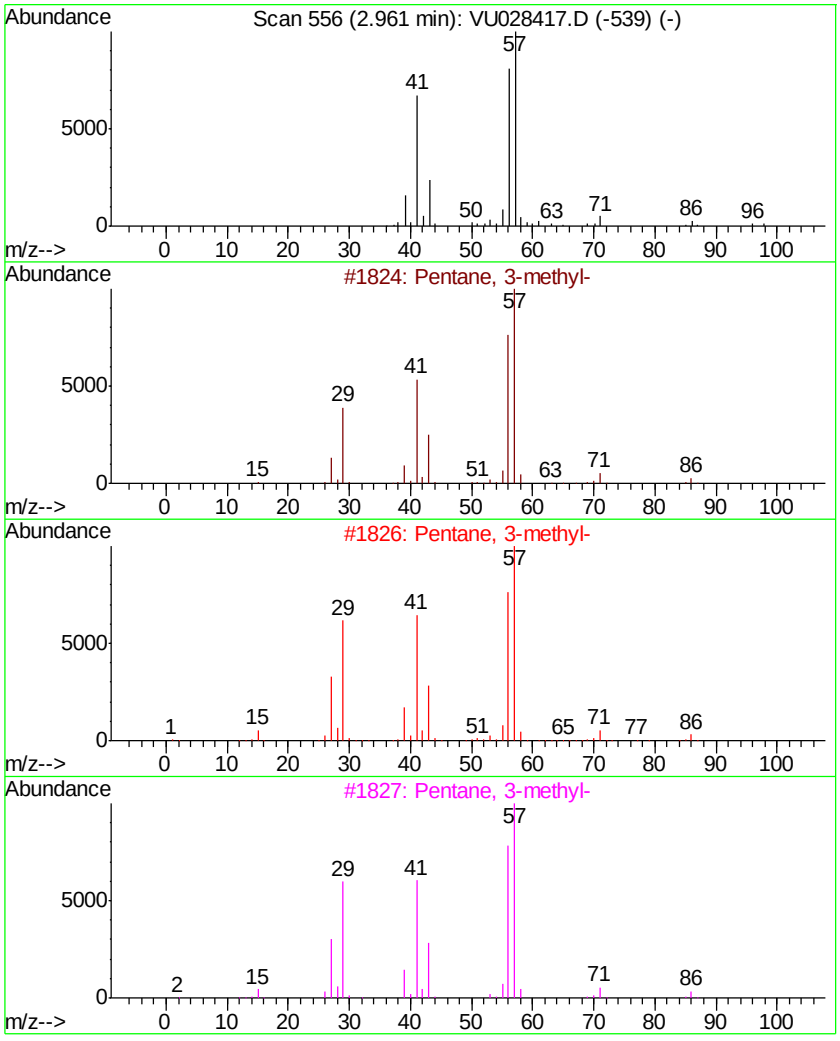
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

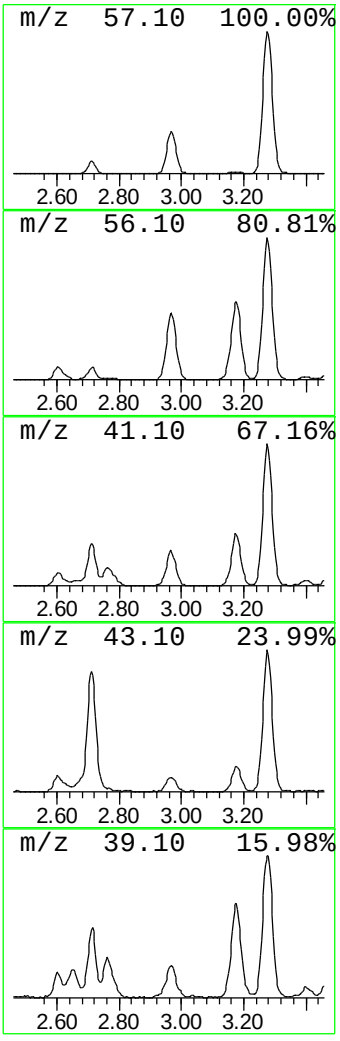
**********

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.96 | 8.38 ug/L | 157792 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 90 |
| 2 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 87 |
| 3 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 86 |
| 4 | Oxirane, (1-methylethyl)- | 86 | C5H10O | 001438-14-8 | 53 |
| 5 | Pentane, 2,2,3-trimethyl- | 114 | C8H18 | 000564-02-3 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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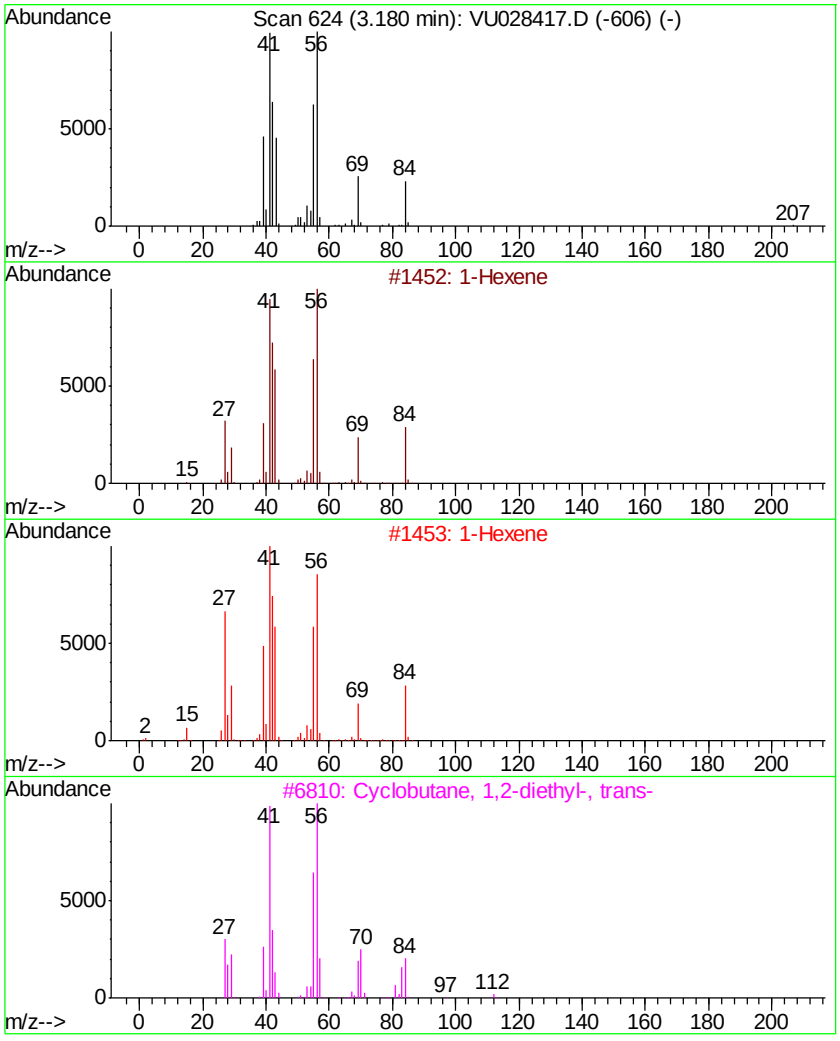
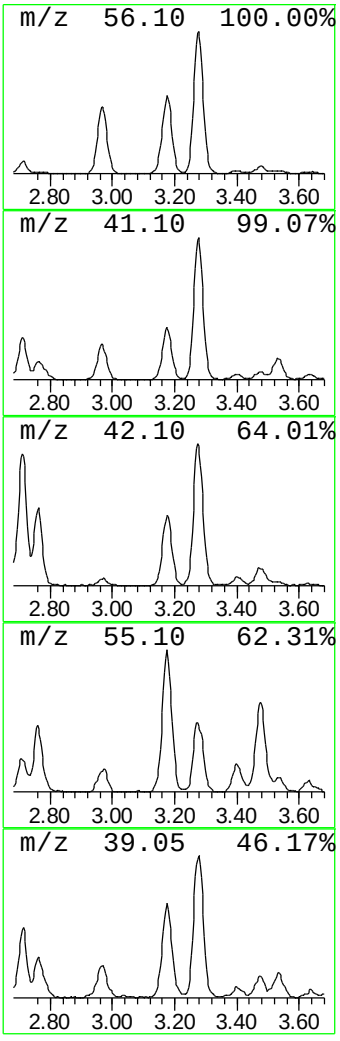
Peak Number 10 (DEL) Alkane: Cyclic3.18 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.18 | 12.59 ug/L | 237085 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexene | 84 | C6H12 | 000592-41-6 | 81 |
| 2 | 1-Hexene | 84 | C6H12 | 000592-41-6 | 81 |
| 3 | Cyclobutane, 1,2-diethyl-, trans- | 112 | C8H16 | 019341-98-1 | 53 |
| 4 | Cyclobutane, 1,2-diethyl- | 112 | C8H16 | 061141-83-1 | 53 |
| 5 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 52 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

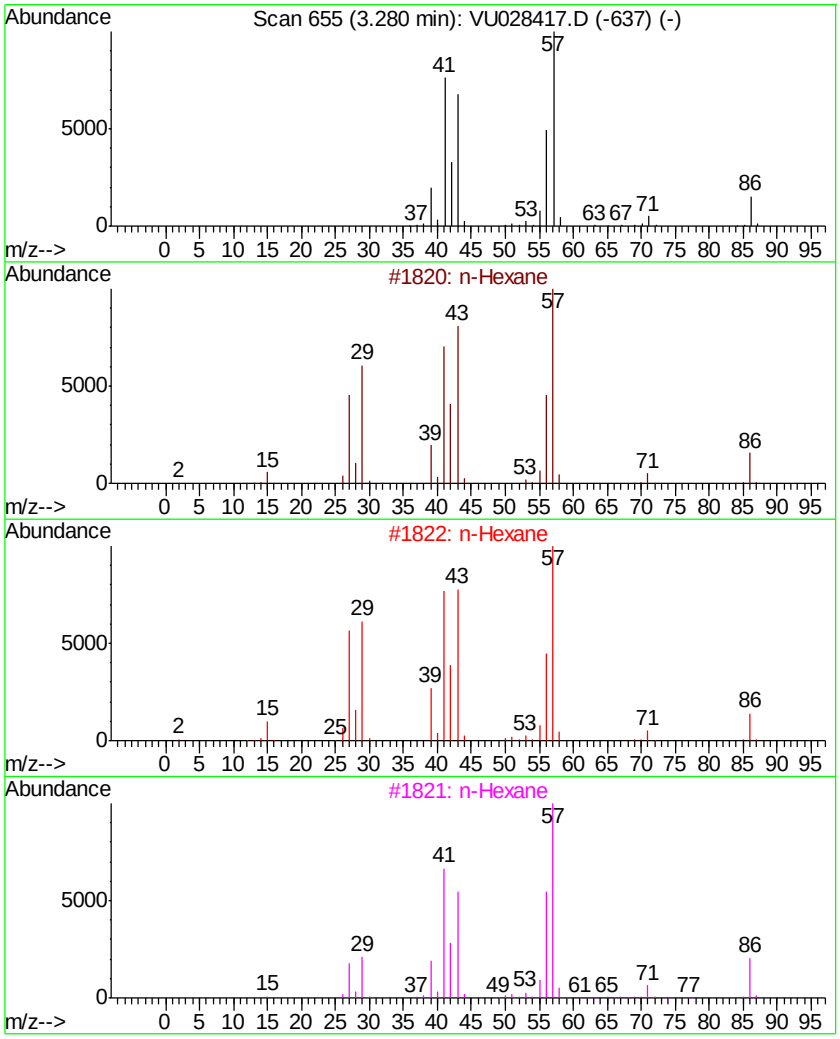
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

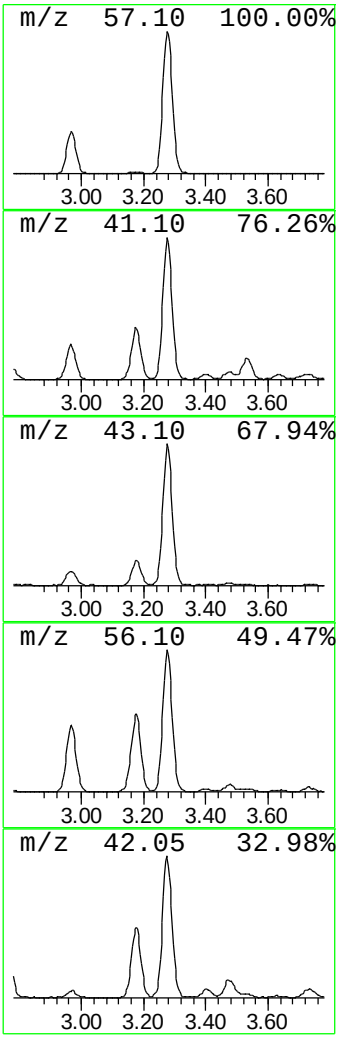
**********

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.28 | 33.19 ug/L | 625055 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 91 |
| 2 | n-Hexane | 86 | C6H14 | 000110-54-3 | 91 |
| 3 | n-Hexane | 86 | C6H14 | 000110-54-3 | 91 |
| 4 | Propanal, 2,2-dimethyl- | 86 | C5H10O | 000630-19-3 | 38 |
| 5 | Butanal, 2-methyl- | 86 | C5H10O | 000096-17-3 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

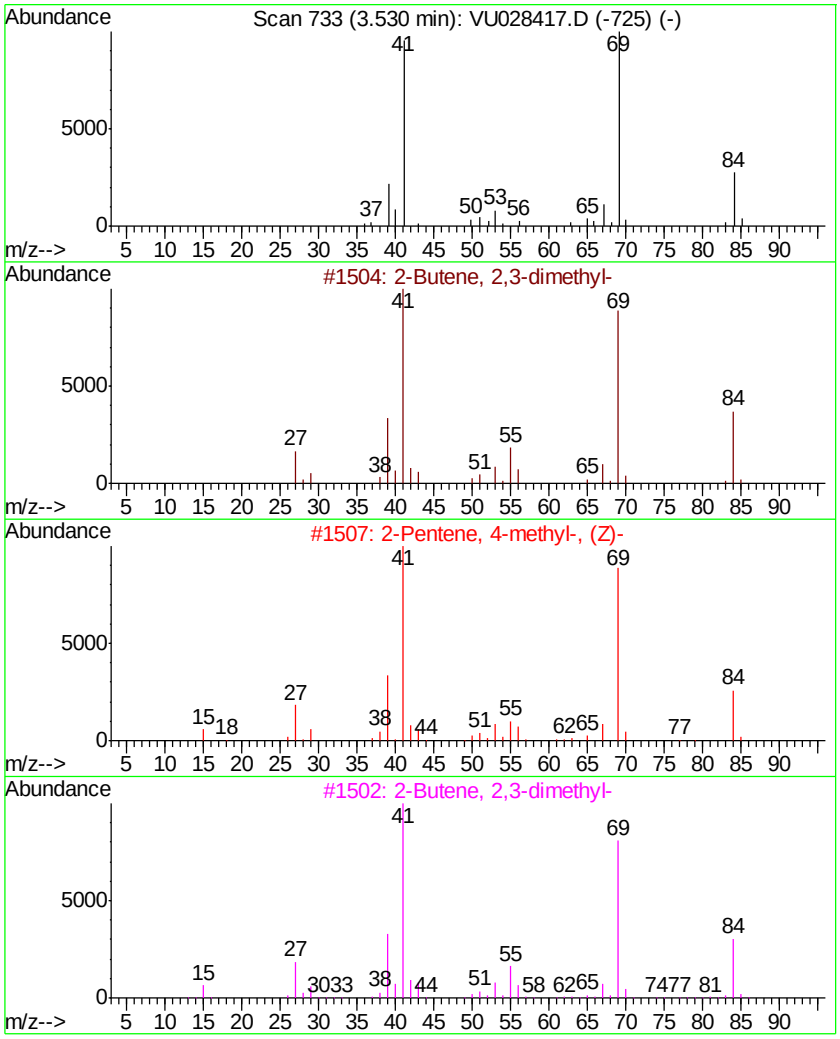
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

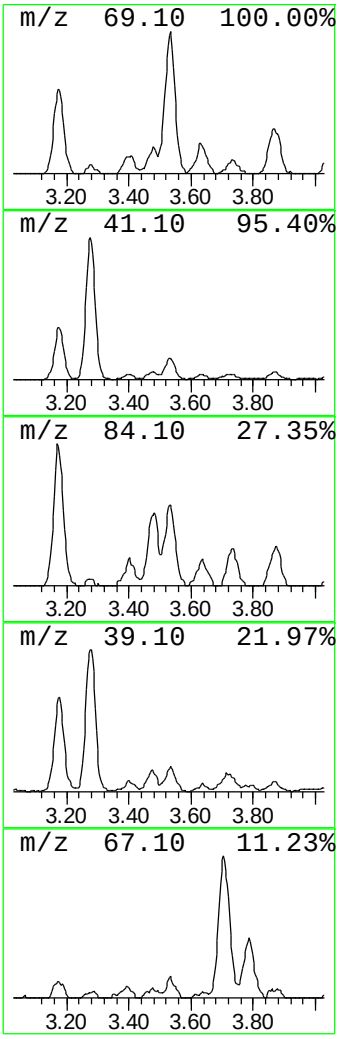
**********

Peak Number 12 (DEL) Alkane: Cyclic3.53 Concentration Rank 59

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.53 | 3.83 ug/L | 72064 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Butene, 2,3-dimethyl- | 84 | C6H12 | 000563-79-1 | 90 |
| 2 | 2-Pentene, 4-methyl-, (Z)- | 84 | C6H12 | 000691-38-3 | 90 |
| 3 | 2-Butene, 2,3-dimethyl- | 84 | C6H12 | 000563-79-1 | 90 |
| 4 | 2-Pentene, 4-methyl- | 84 | C6H12 | 004461-48-7 | 86 |
| 5 | 2-Pentene, 2-methyl- | 84 | C6H12 | 000625-27-4 | 80 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

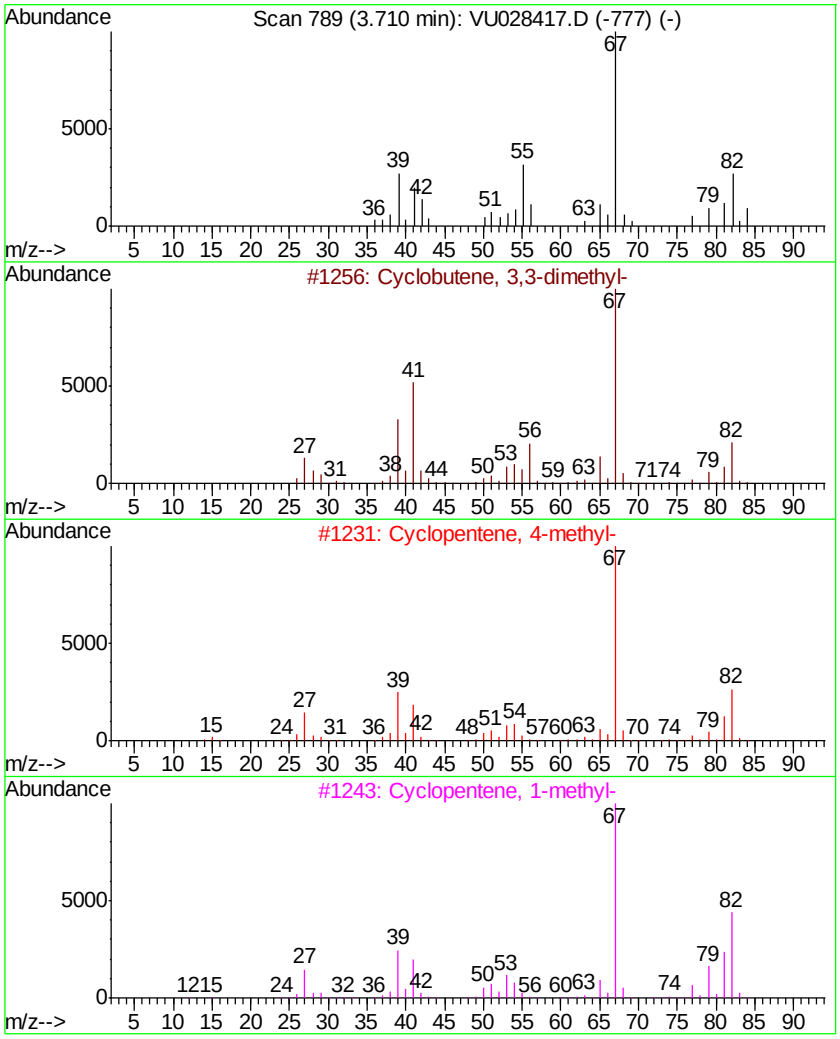
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

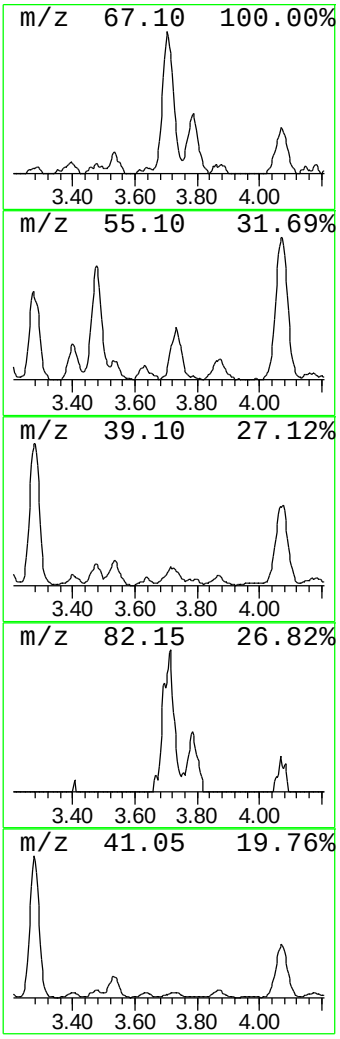
**********

Peak Number 13 Cyclobutene, 3,3-dimethyl- Concentration Rank 67

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.71 | 3.09 ug/L | 58219 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclobutene, 3,3-dimethyl- | 82 | C6H10 | 016327-38-1 | 80 |
| 2 | Cyclopentene, 4-methyl- | 82 | C6H10 | 001759-81-5 | 76 |
| 3 | Cyclopentene, 1-methyl- | 82 | C6H10 | 000693-89-0 | 68 |
| 4 | 4-Methyl-1,3-pentadiene | 82 | C6H10 | 000926-56-7 | 64 |
| 5 | (Z),(Z)-2,4-Hexadiene | 82 | C6H10 | 006108-61-8 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

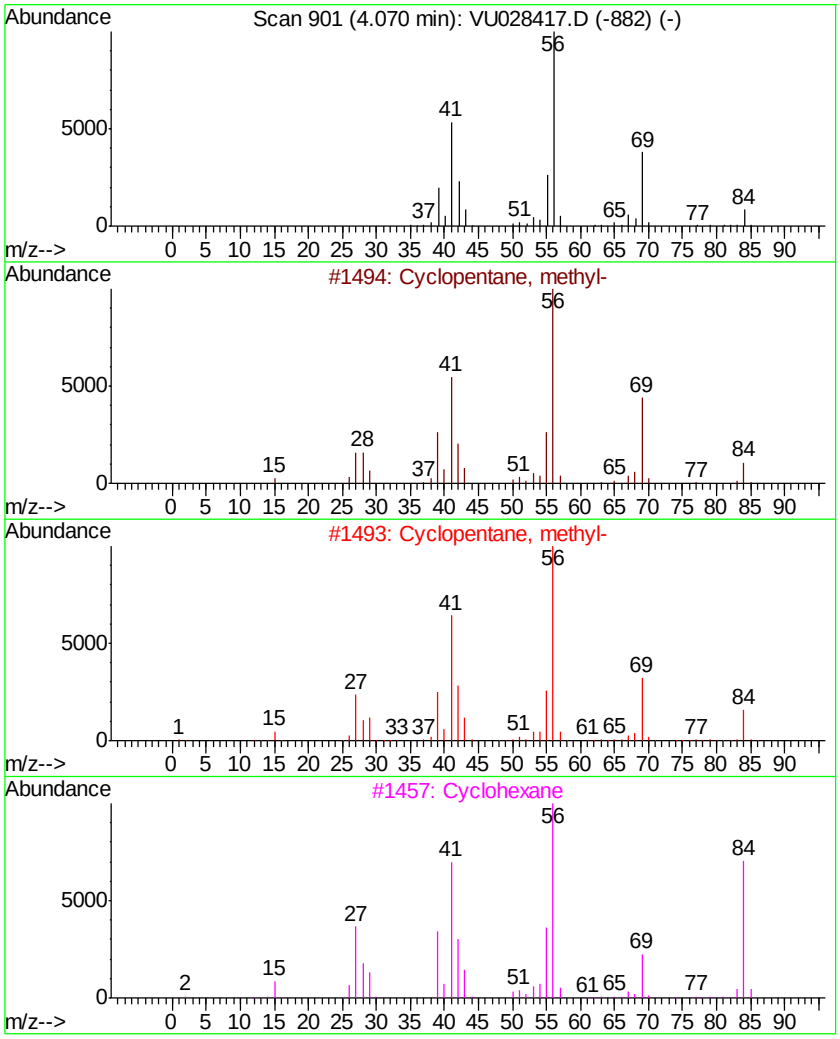
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

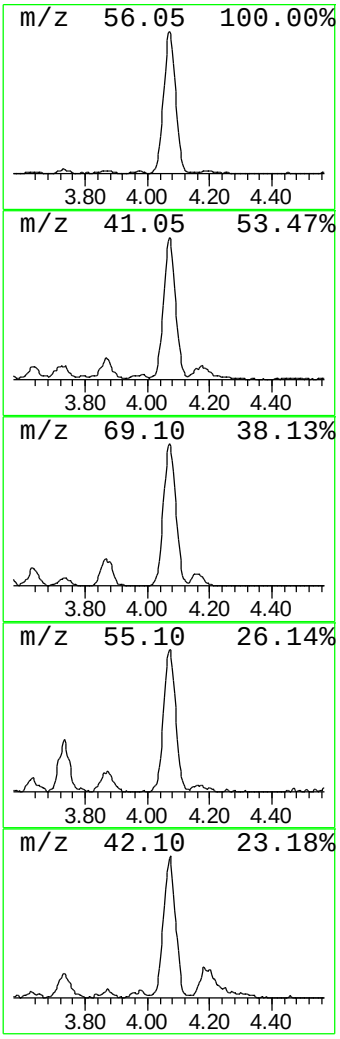
**********

Peak Number 14 (DEL) Alkane: Cyclic4.07 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.07 | 18.10 ug/L | 340861 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 90 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 86 |
| 3 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 78 |
| 4 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 78 |
| 5 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

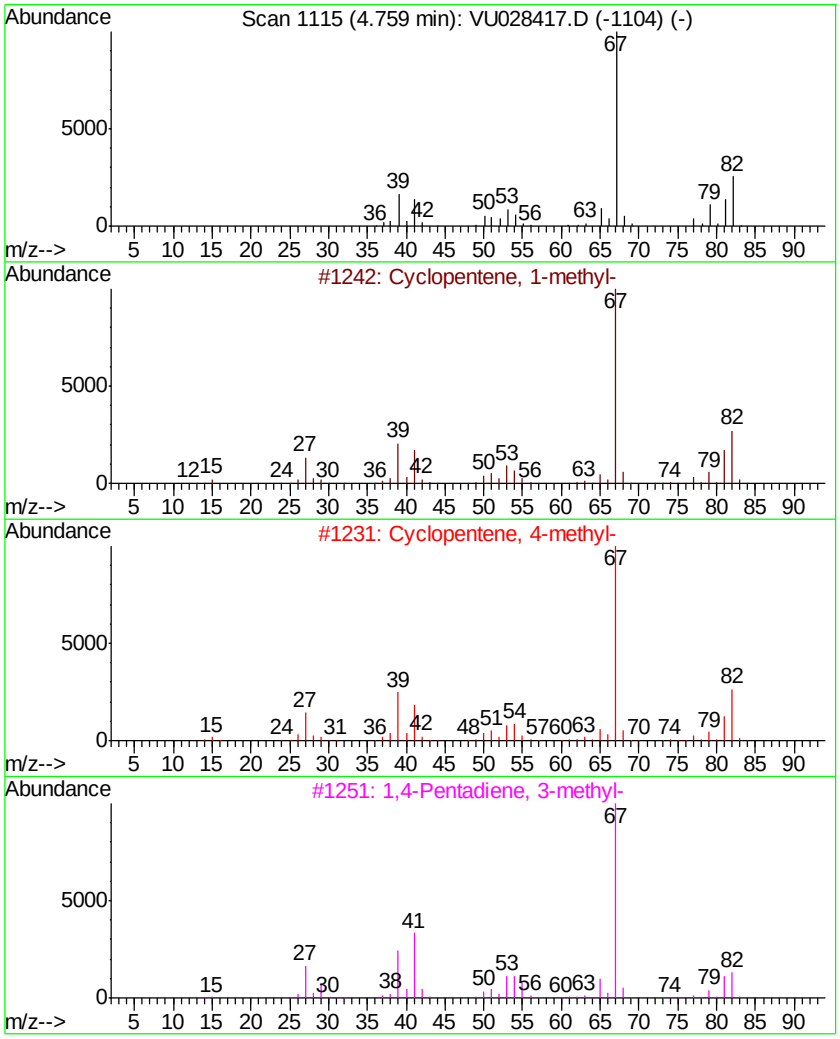
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

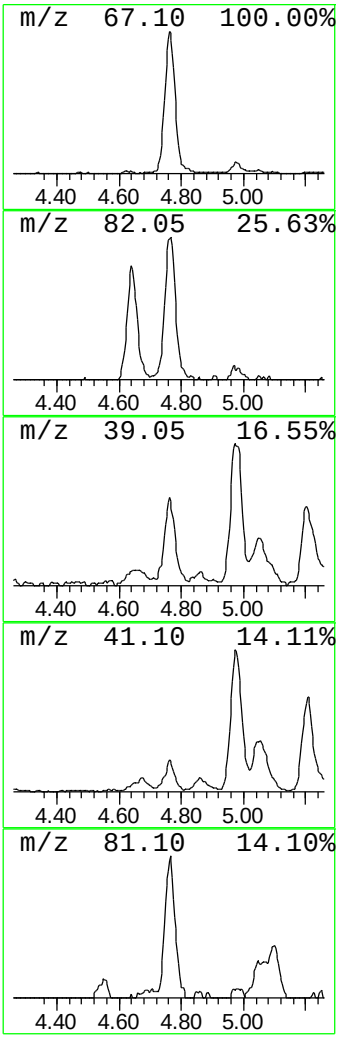
**********

Peak Number 15 Cyclopentene, 1-methyl- Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.76 | 7.72 ug/L | 145352 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentene, 1-methyl- | 82 | C6H10 | 000693-89-0 | 87 |
| 2 | Cyclopentene, 4-methyl- | 82 | C6H10 | 001759-81-5 | 87 |
| 3 | 1,4-Pentadiene, 3-methyl- | 82 | C6H10 | 001115-08-8 | 86 |
| 4 | Cyclopentene, 3-methyl- | 82 | C6H10 | 001120-62-3 | 86 |
| 5 | Cyclopentene, 3-methyl- | 82 | C6H10 | 001120-62-3 | 86 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

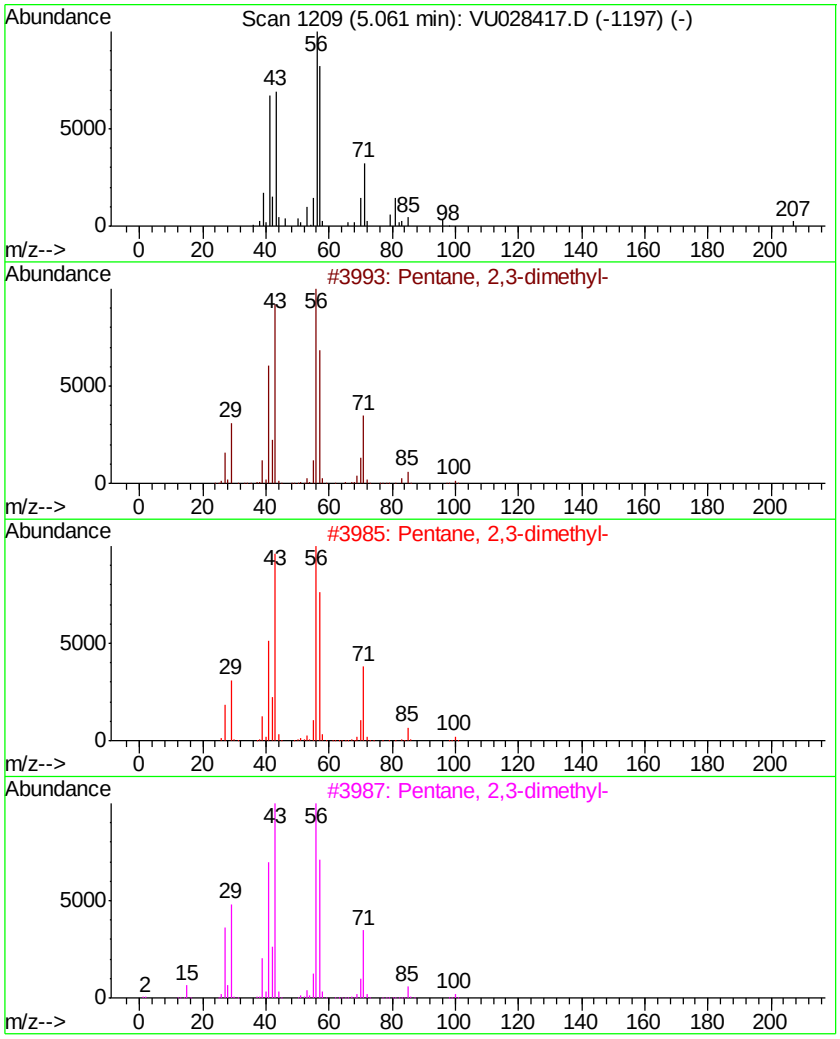
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

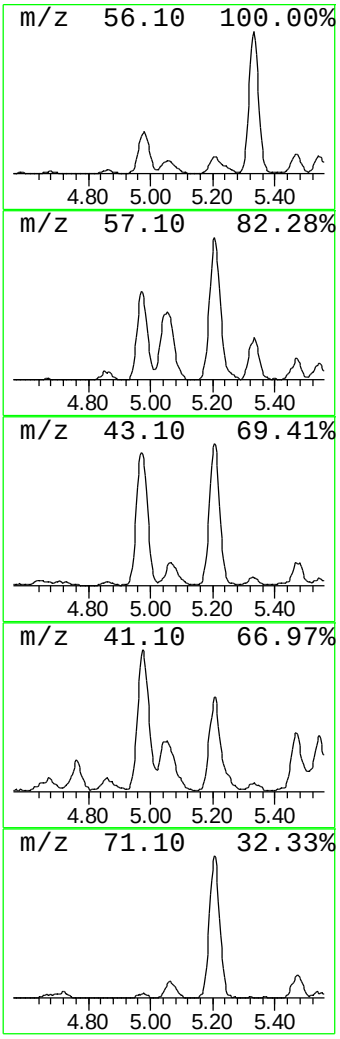
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.06 | 6.92 ug/L | 130270 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 72 |
| 2 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 64 |
| 3 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 64 |
| 4 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 45 |
| 5 | 1-Hexene, 2,5-dimethyl- | 112 | C8H16 | 006975-92-4 | 42 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

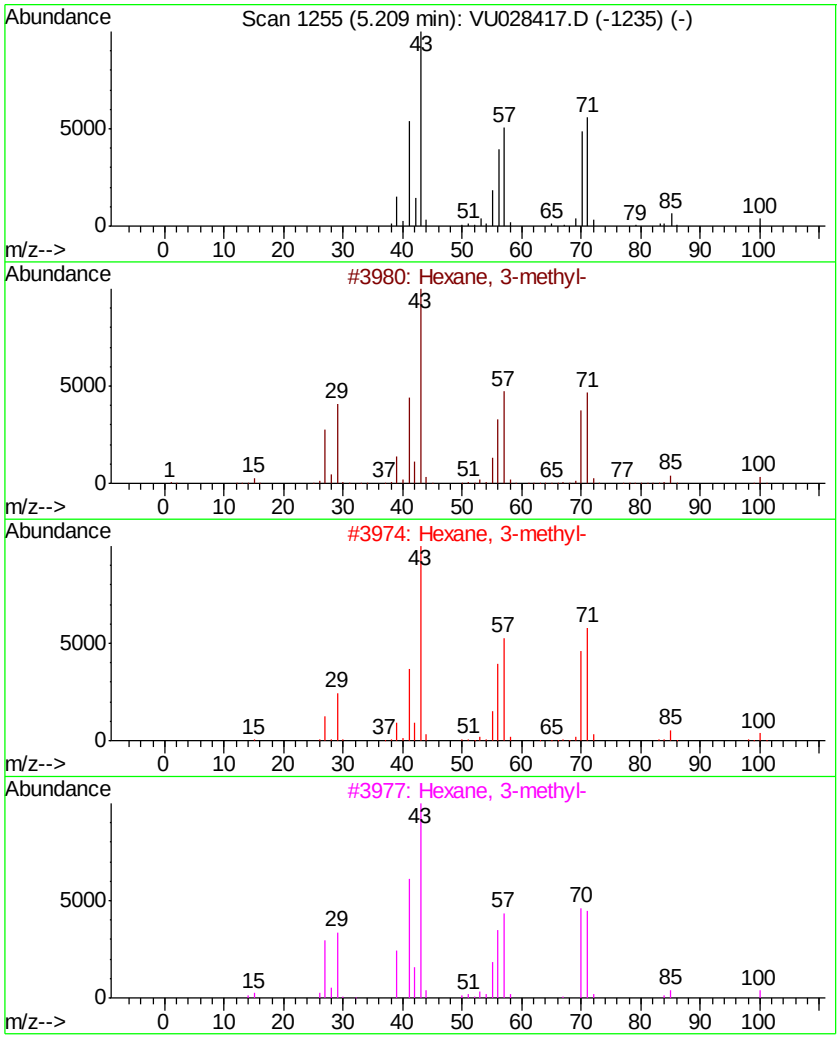
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

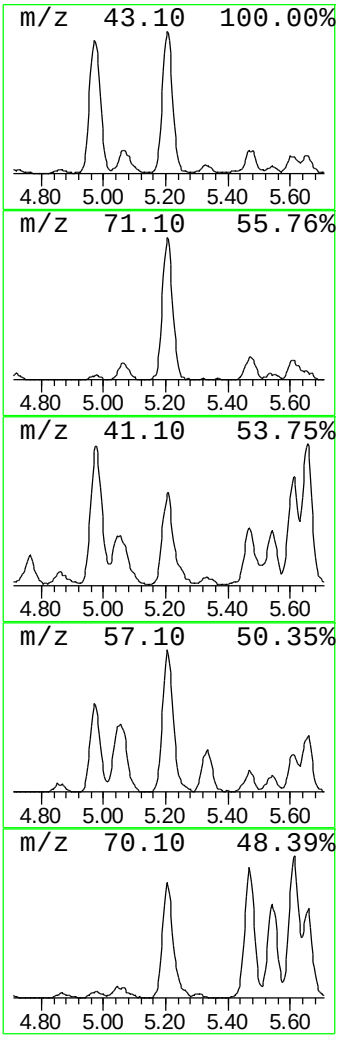
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.21 | 14.44 ug/L | 271938 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 91 |
| 2 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 91 |
| 3 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 87 |
| 4 | Heptane | 100 | C7H16 | 000142-82-5 | 64 |
| 5 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 58 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

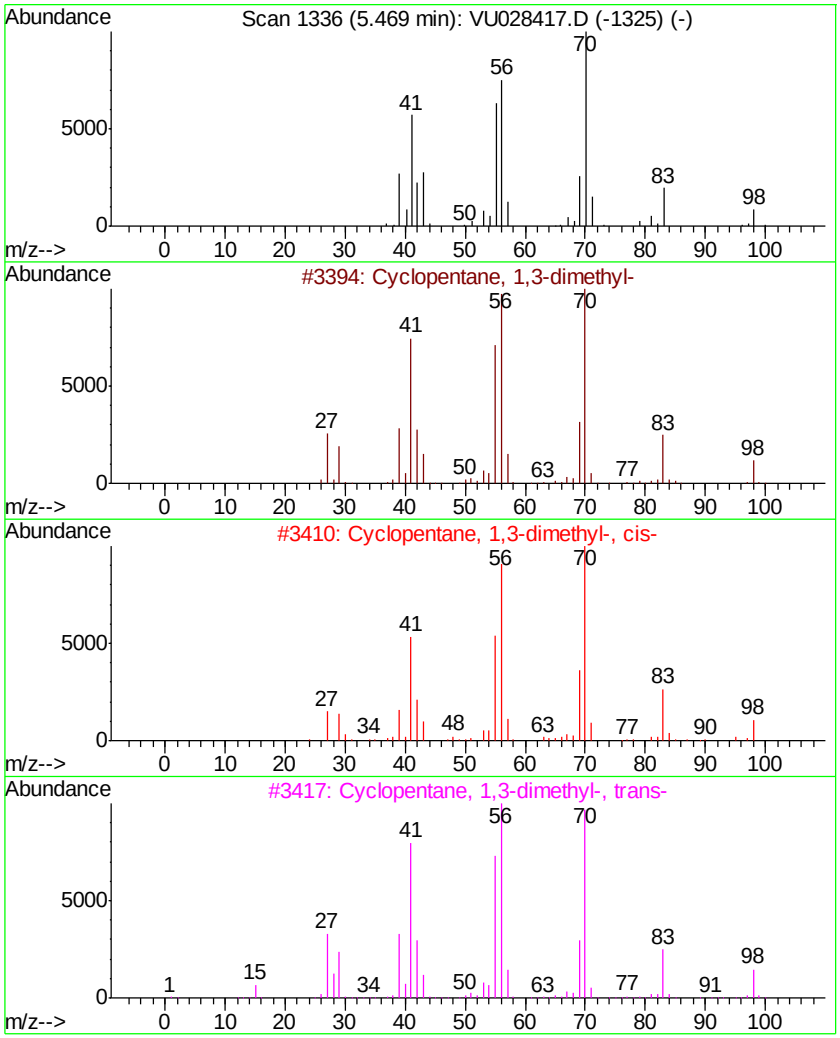
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

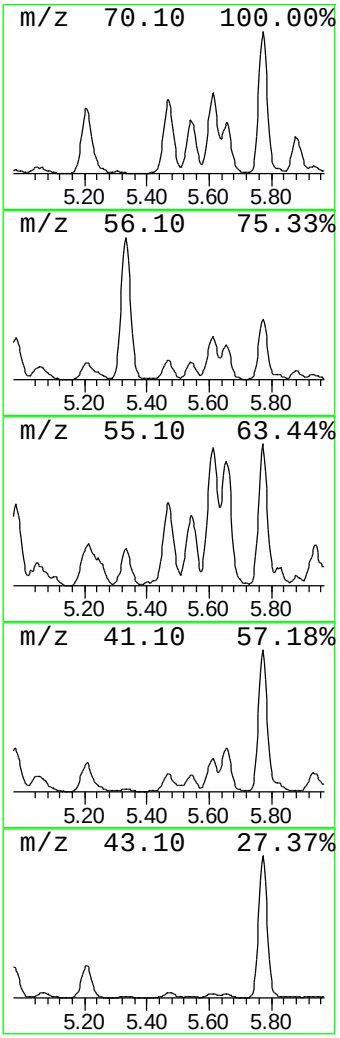
**********

Peak Number 18 (DEL) Alkane: Cyclic5.47 Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.47 | 7.15 ug/L | 134623 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 94 |
| 2 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 90 |
| 3 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 87 |
| 4 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 76 |
| 5 | 2H-Pyran-2,6(3H)-dione, dihydro-... | 142 | C7H10O3 | 004160-82-1 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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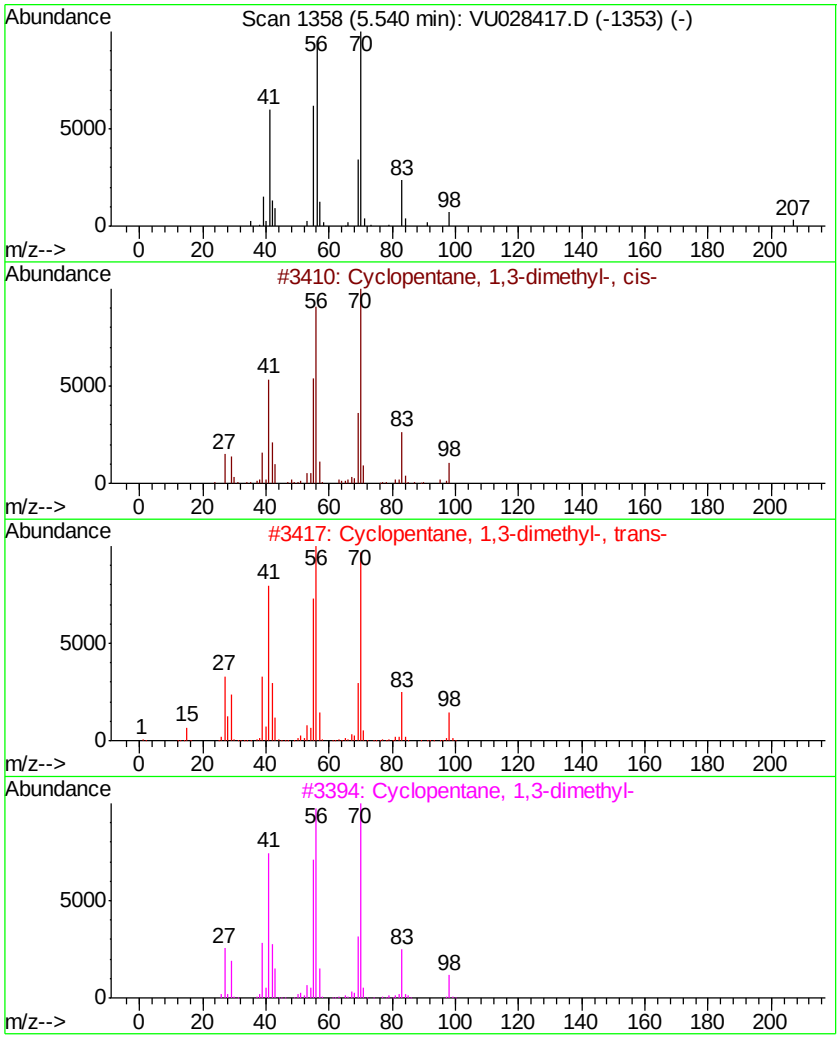
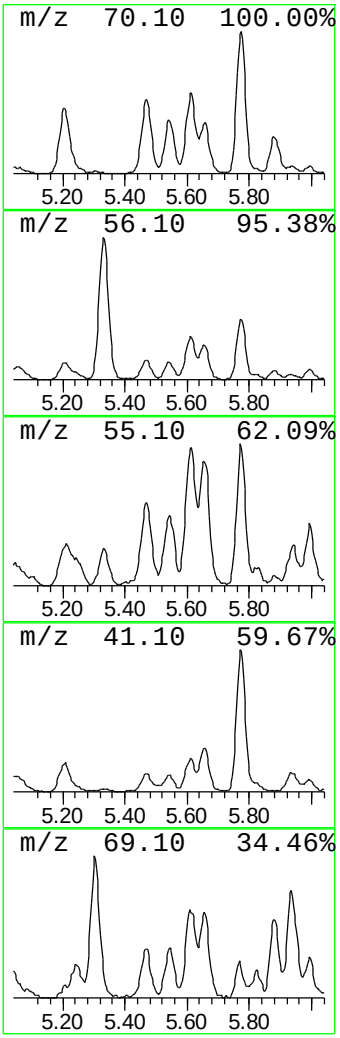
Peak Number 19 (DEL) Alkane: Cyclic5.54 Concentration Rank 52

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.54 | 4.38 ug/L | 82511 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 83 |
| 2 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 78 |
| 3 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 78 |
| 4 | Cyclobutanone, 2,2-dimethyl- | 98 | C6H10O | 001192-14-9 | 64 |
| 5 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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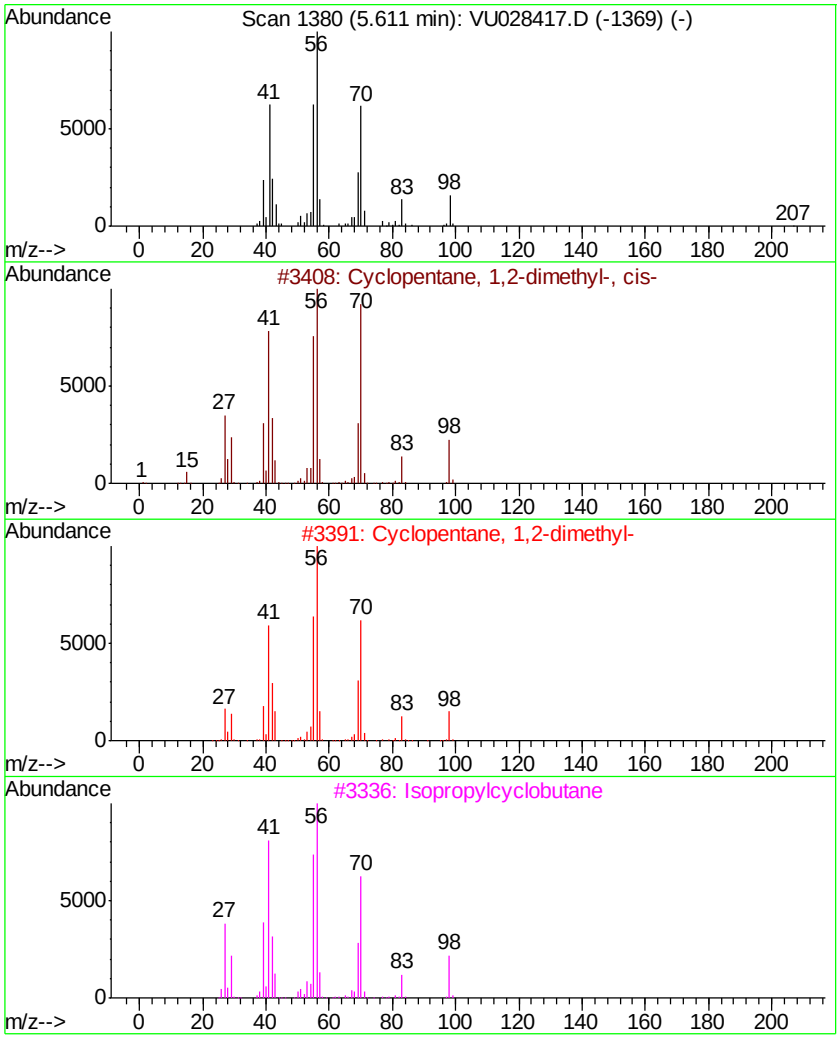
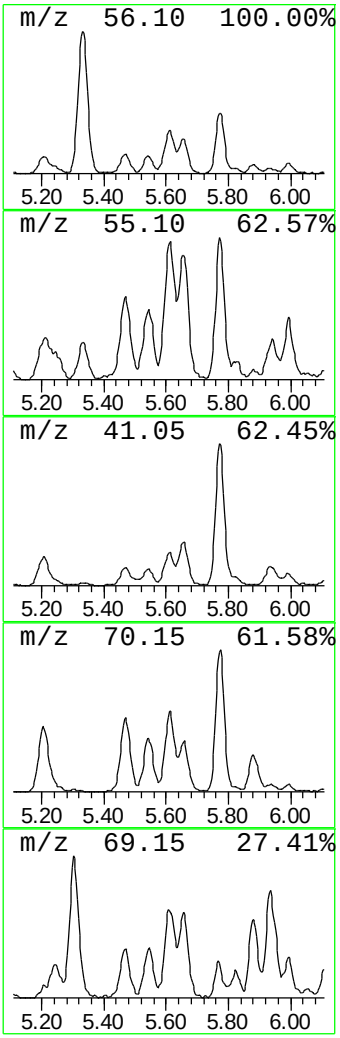
Peak Number 20 (DEL) Alkane: Cyclic5.61 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.61 | 11.10 ug/L | 208979 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 95 |
| 2 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 94 |
| 3 | Isopropylcyclobutane | 98 | C7H14 | 000872-56-0 | 94 |
| 4 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 91 |
| 5 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 87 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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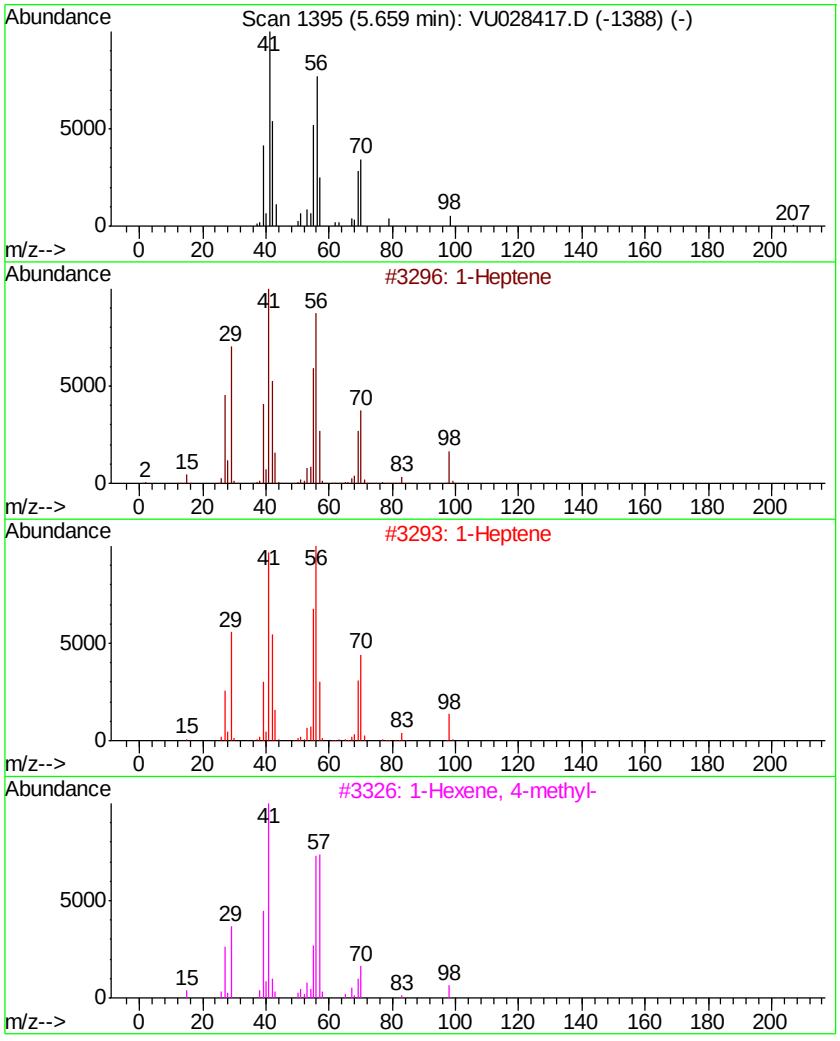
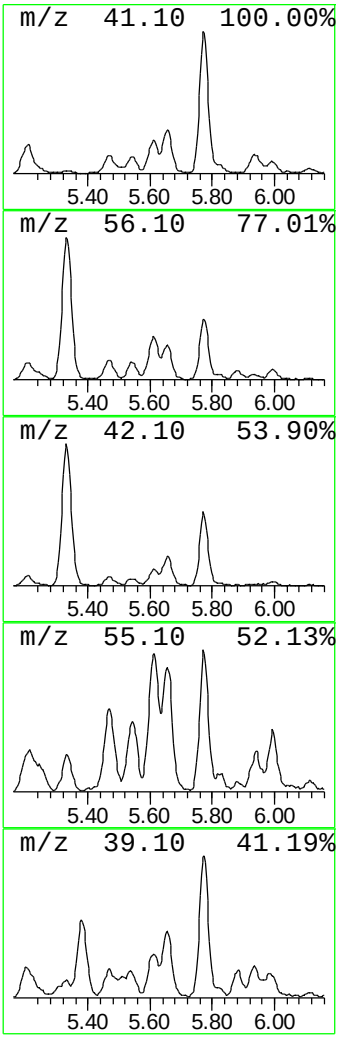
Peak Number 21 (DEL) Alkane: Cyclic5.66 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.66 | 11.16 ug/L | 210213 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 90 |
| 2 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 64 |
| 3 | 1-Hexene, 4-methyl- | 98 | C7H14 | 003769-23-1 | 59 |
| 4 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 56 |
| 5 | Cyclopropane, butyl- | 98 | C7H14 | 000930-57-4 | 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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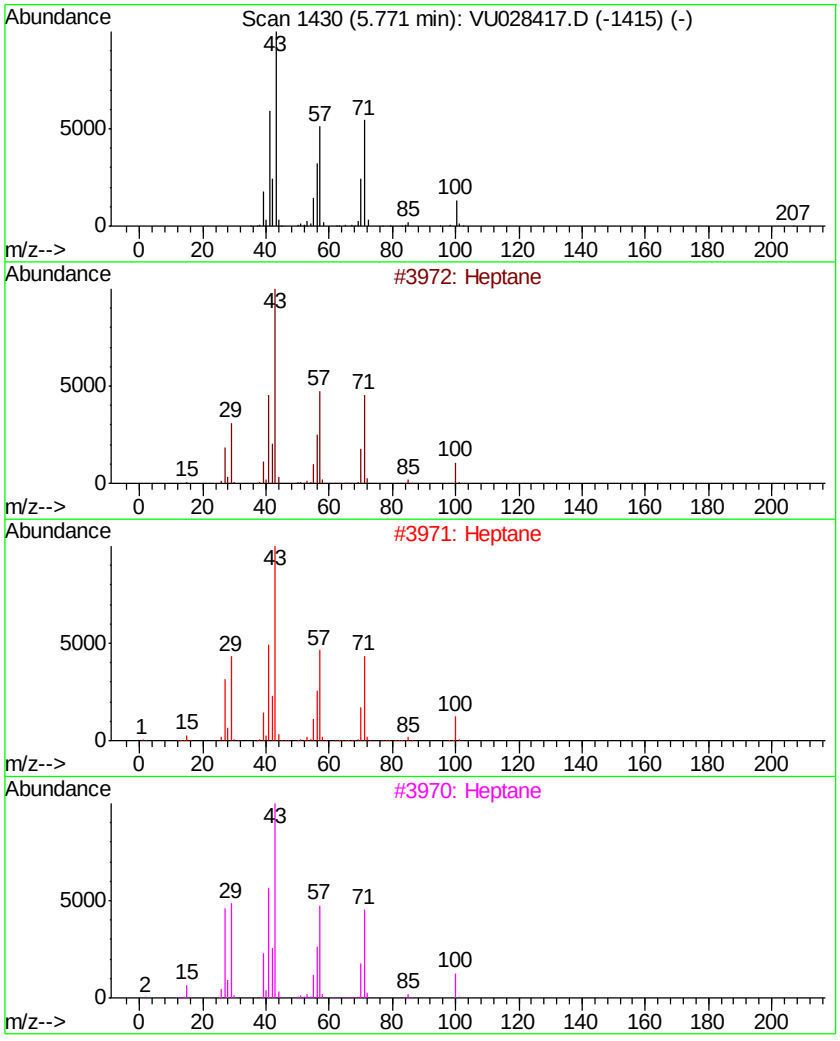
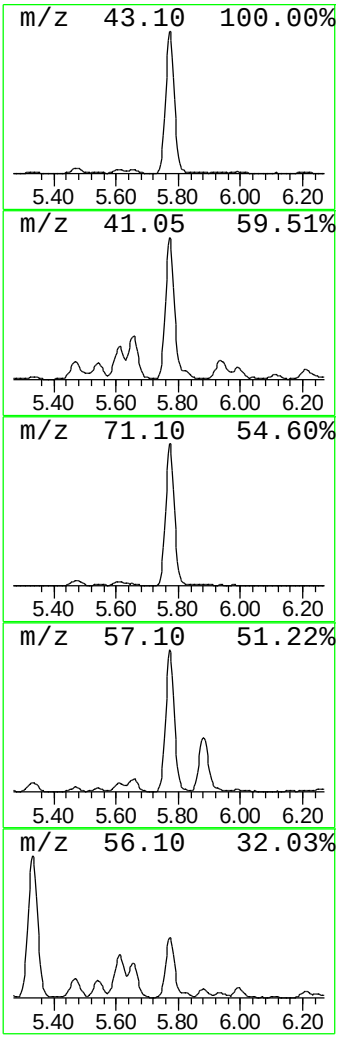
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.77 | 46.20 ug/L | 870140 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane | 100 | C7H16 | 000142-82-5 | 95 |
| 2 | Heptane | 100 | C7H16 | 000142-82-5 | 94 |
| 3 | Heptane | 100 | C7H16 | 000142-82-5 | 91 |
| 4 | Heptane | 100 | C7H16 | 000142-82-5 | 87 |
| 5 | Oxalic acid, isobutyl pentyl ester | 216 | C11H20O4 | 1000309-37-0 | 59 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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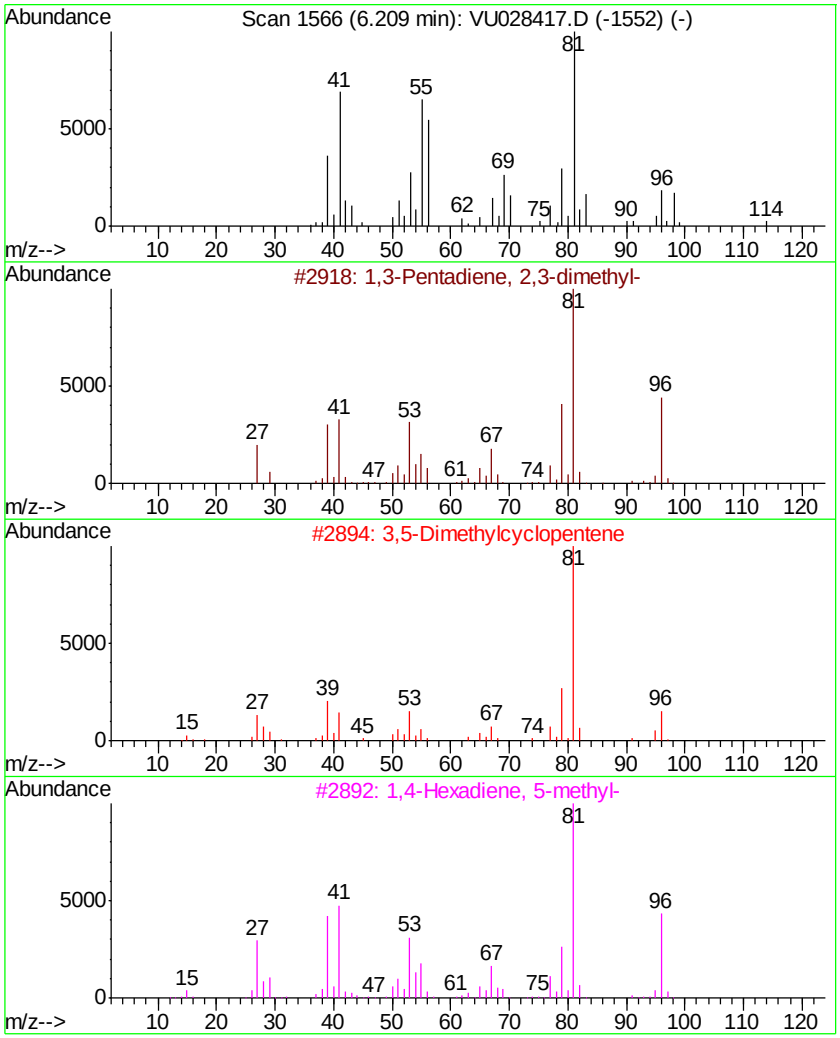
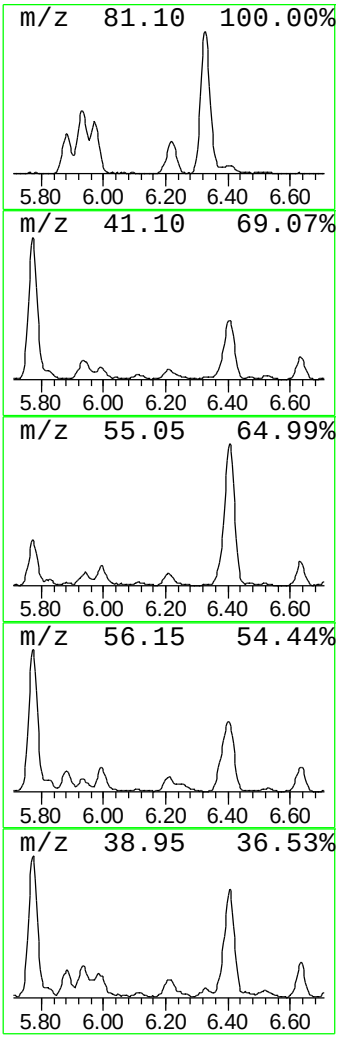
Peak Number 23 1,3-Pentadiene, 2,3-dimethyl- Concentration Rank 51

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.21 | 4.61 ug/L | 86870 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Pentadiene, 2,3-dimethyl- | 96 | C7H12 | 001113-56-0 | 64 |
| 2 | 3,5-Dimethylcyclopentene | 96 | C7H12 | 007459-71-4 | 58 |
| 3 | 1,4-Hexadiene, 5-methyl- | 96 | C7H12 | 000763-88-2 | 58 |
| 4 | Cyclopropane, 1-methyl-1-isoprop... | 96 | C7H12 | 003422-07-9 | 52 |
| 5 | 2-Pentyne, 4,4-dimethyl- | 96 | C7H12 | 000999-78-0 | 50 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

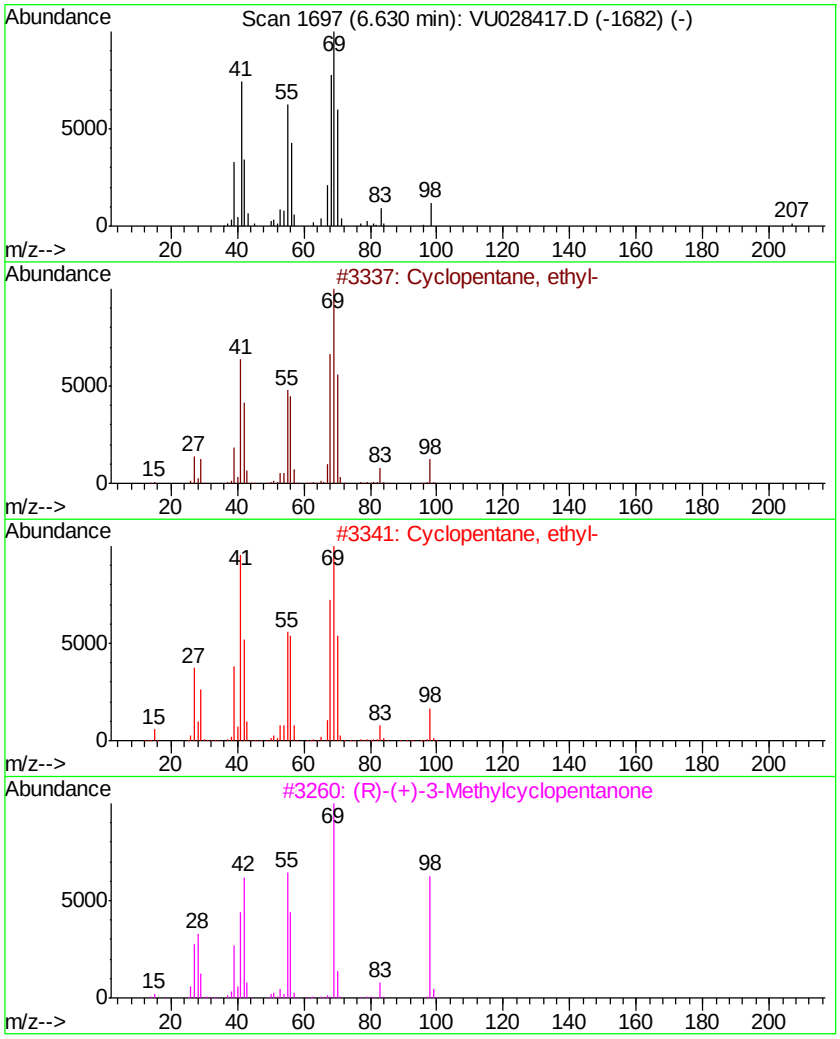
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

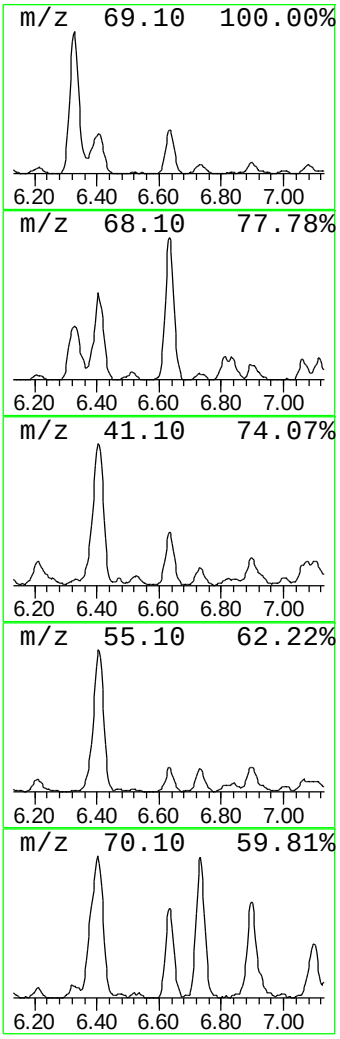
**********

Peak Number 24 (DEL) Alkane: Cyclic6.63 Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.63 | 7.70 ug/L | 144996 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, ethyl- | 98 | C7H14 | 001640-89-7 | 94 |
| 2 | Cyclopentane, ethyl- | 98 | C7H14 | 001640-89-7 | 91 |
| 3 | (R)-(+)-3-Methylcyclopentanone | 98 | C6H10O | 006672-30-6 | 43 |
| 4 | Cyclopropane, 1,1-diethyl- | 98 | C7H14 | 001003-19-6 | 43 |
| 5 | (R)-(+)-3-Methylcyclopentanone | 98 | C6H10O | 006672-30-6 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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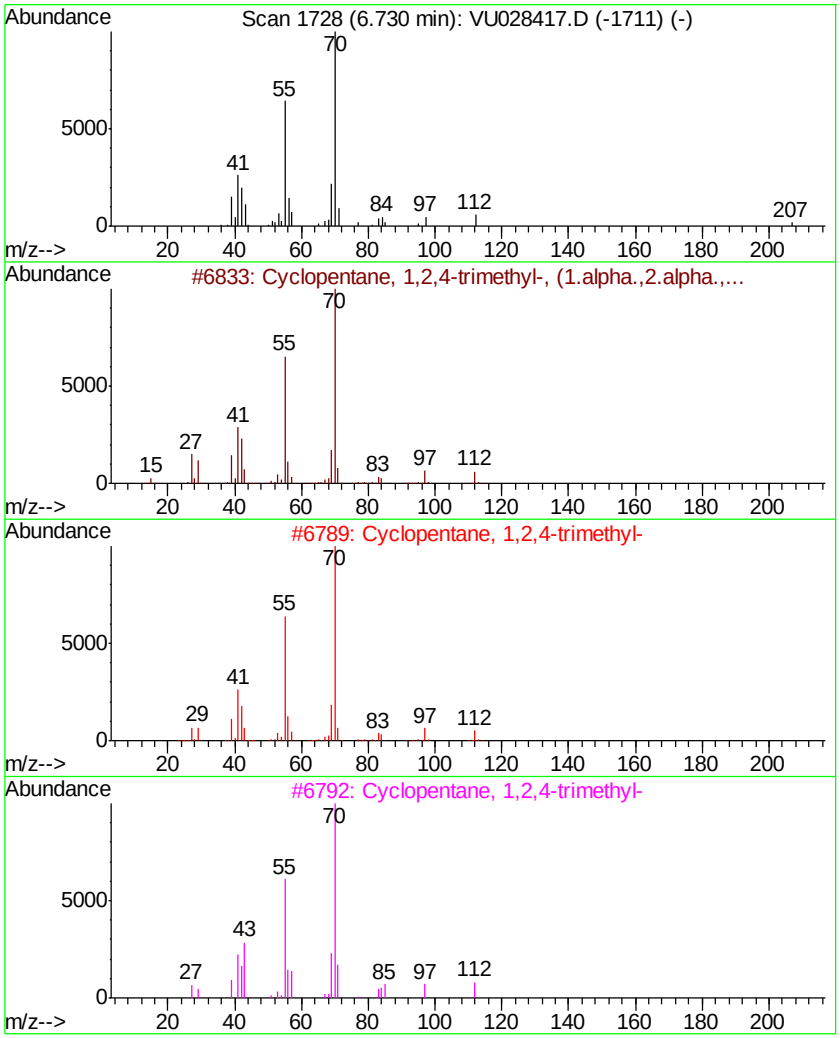
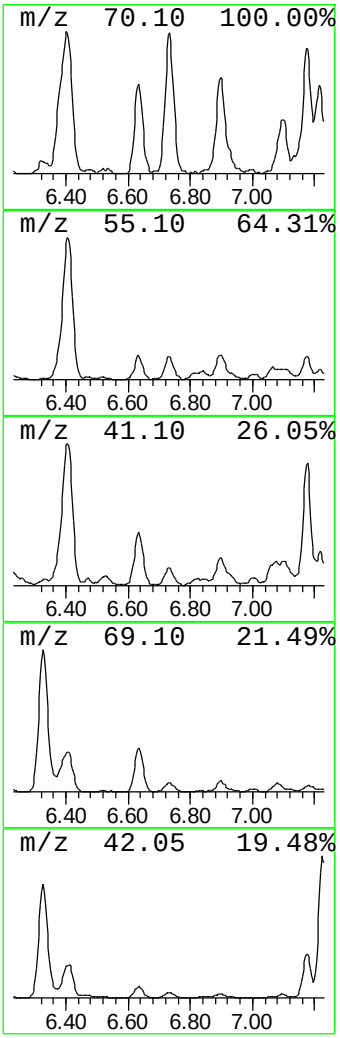
Peak Number 25 (DEL) Alkane: Cyclic6.73 Concentration Rank 53

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.73 | 4.36 ug/L | 82192 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 004850-28-6 | 91 |
| 2 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 90 |
| 3 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 87 |
| 4 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 002613-69-6 | 83 |
| 5 | 2-Undecene, 3-methyl-, (Z)- | 168 | C12H24 | 057024-90-5 | 72 |



# Library Search Compound Report

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Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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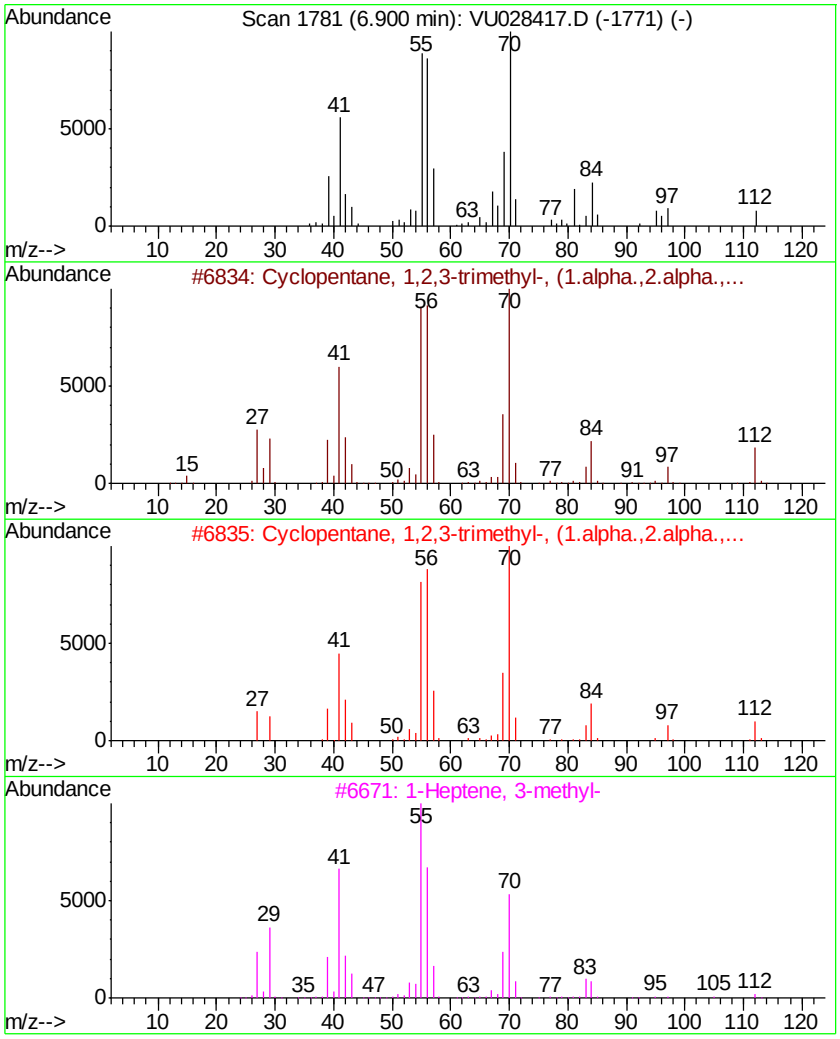
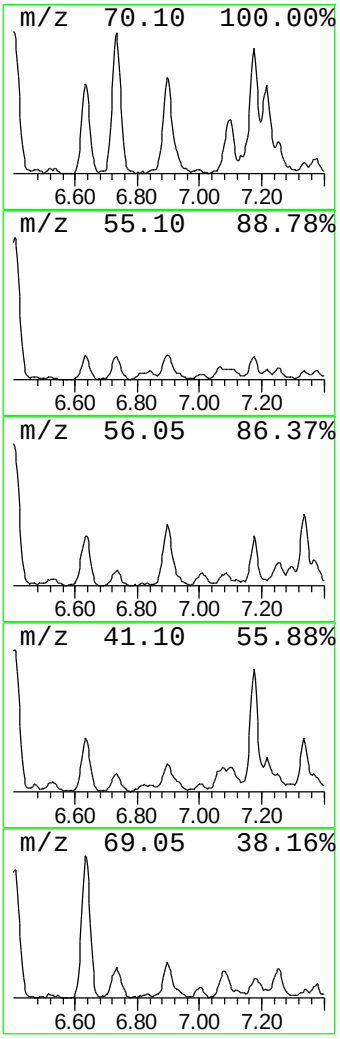
Peak Number 26 (DEL) Alkane: Cyclic6.90 Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.90 | 7.24 ug/L | 136286 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 015890-40-1 | 91 |
| 2 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 015890-40-1 | 90 |
| 3 | 1-Heptene, 3-methyl- | 112 | C8H16 | 004810-09-7 | 87 |
| 4 | Cyclopentane, 1,2,3-trimethyl- | 112 | C8H16 | 002815-57-8 | 87 |
| 5 | Octane, 2-chloro- | 148 | C8H17Cl | 000628-61-5 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

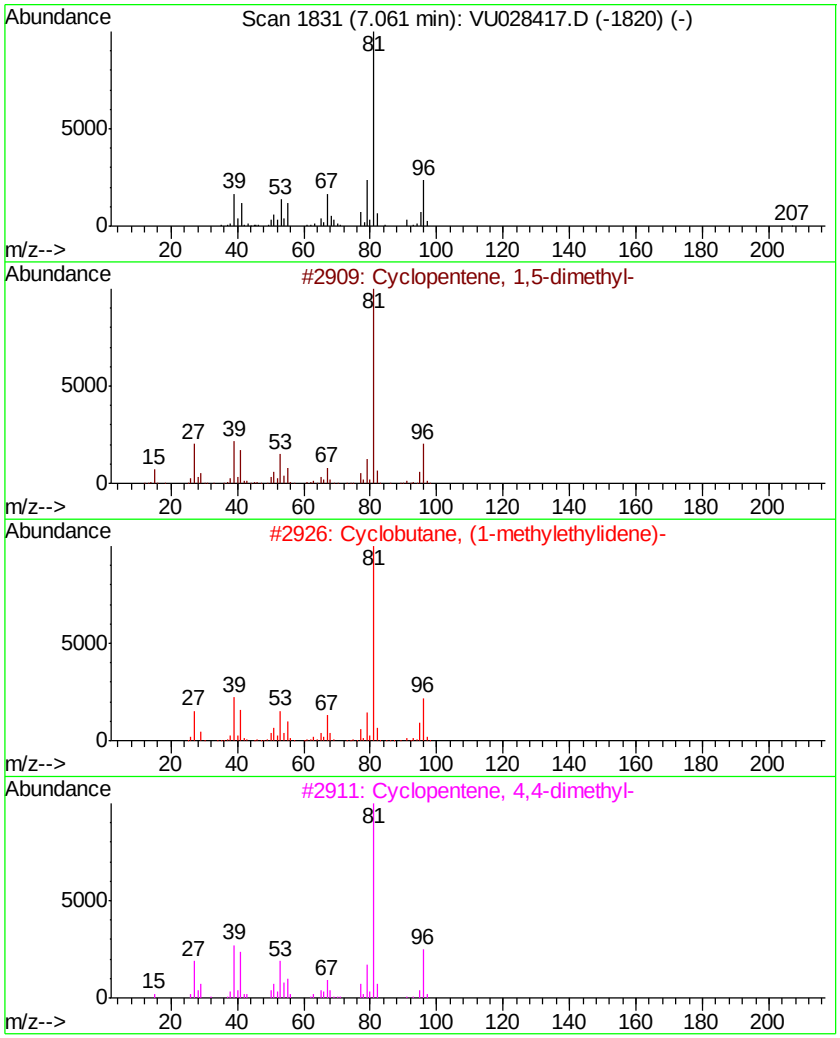
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

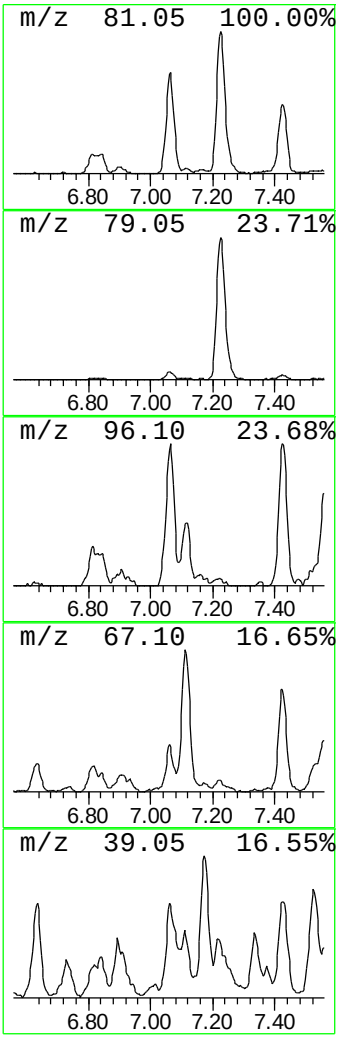
**********

Peak Number 27 Cyclopentene, 1,5-dimethyl- Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.06 | 8.58 ug/L | 161528 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentene, 1,5-dimethyl- | 96 | C7H12 | 016491-15-9 | 90 |
| 2 | Cyclobutane, (1-methylethylidene)- | 96 | C7H12 | 001528-22-9 | 87 |
| 3 | Cyclopentene, 4,4-dimethyl- | 96 | C7H12 | 019037-72-0 | 87 |
| 4 | Cyclopentane, 1-methyl-2-methylene- | 96 | C7H12 | 041158-41-2 | 80 |
| 5 | Cyclohexene, 3-methyl- | 96 | C7H12 | 000591-48-0 | 80 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

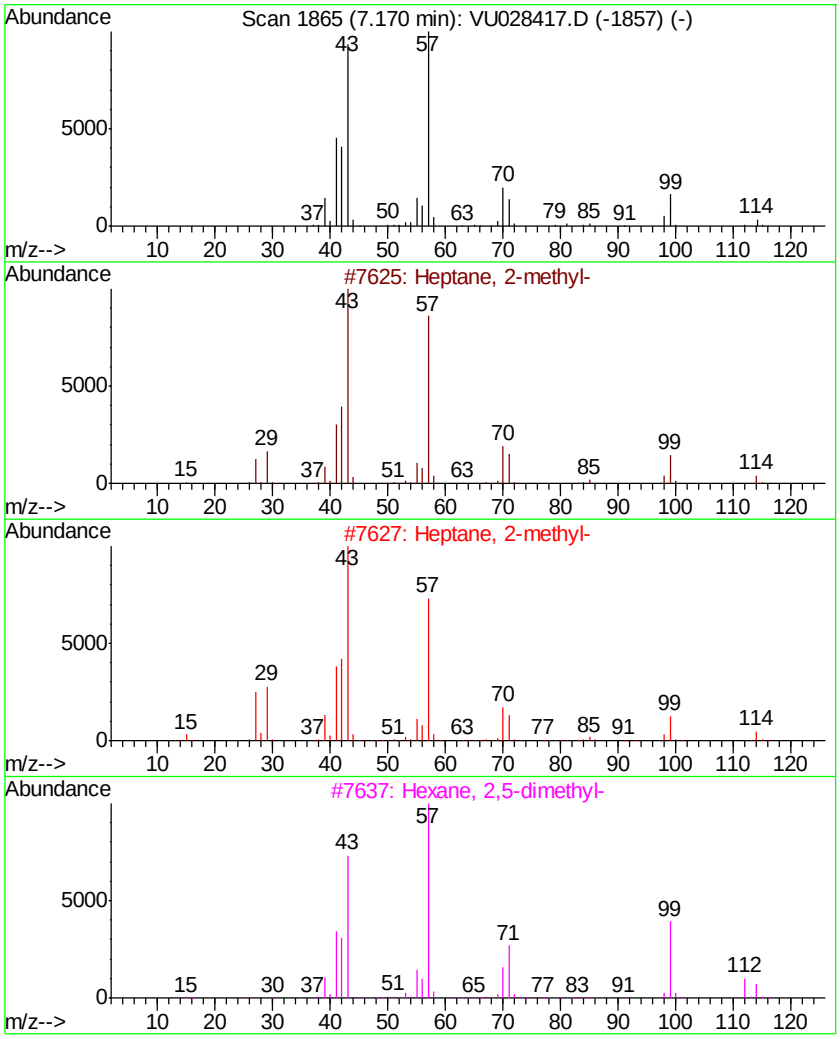
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

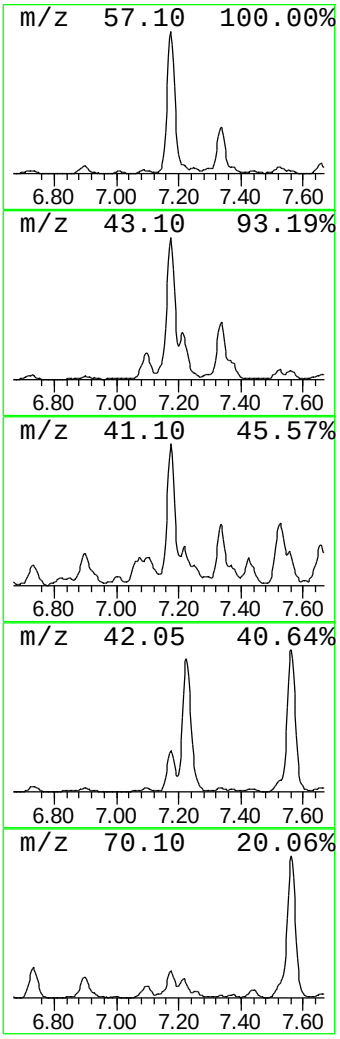
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.17 | 14.66 ug/L | 276084 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2-methyl- | 114 | C8H18 | 000592-27-8 | 91 |
| 2 | Heptane, 2-methyl- | 114 | C8H18 | 000592-27-8 | 80 |
| 3 | Hexane, 2,5-dimethyl- | 114 | C8H18 | 000592-13-2 | 80 |
| 4 | Hexane, 2,5-dimethyl- | 114 | C8H18 | 000592-13-2 | 64 |
| 5 | Heptane, 2-methyl- | 114 | C8H18 | 000592-27-8 | 47 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

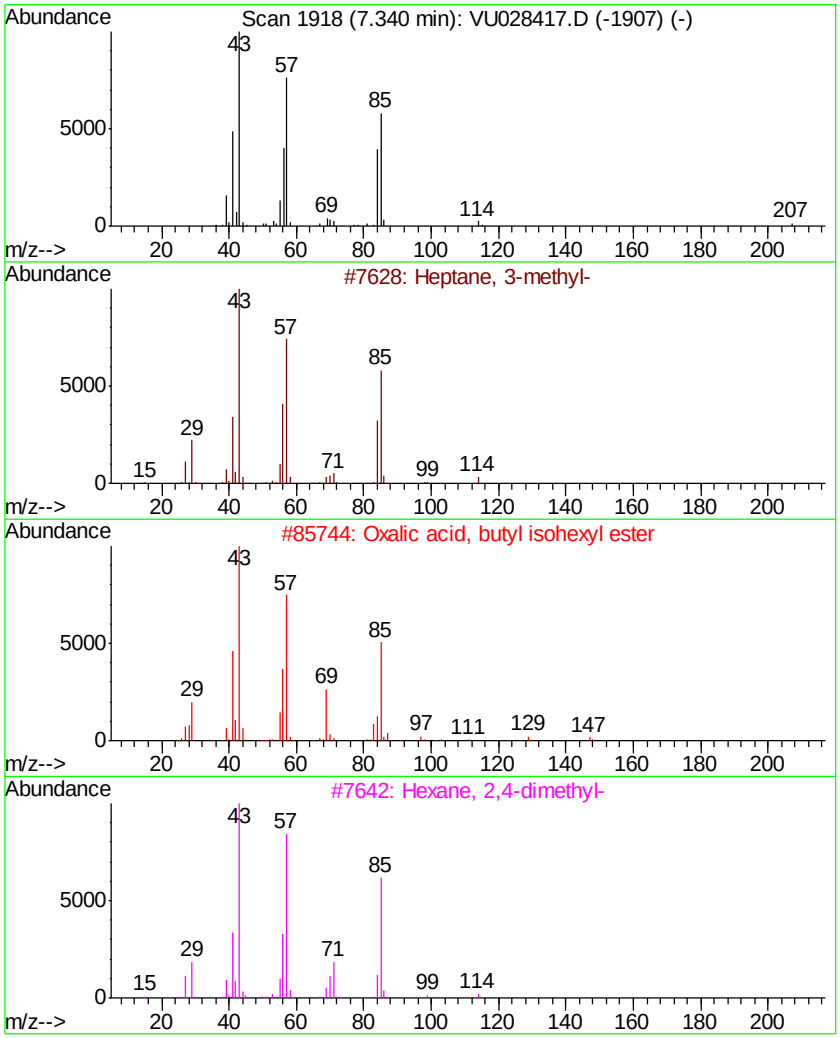
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

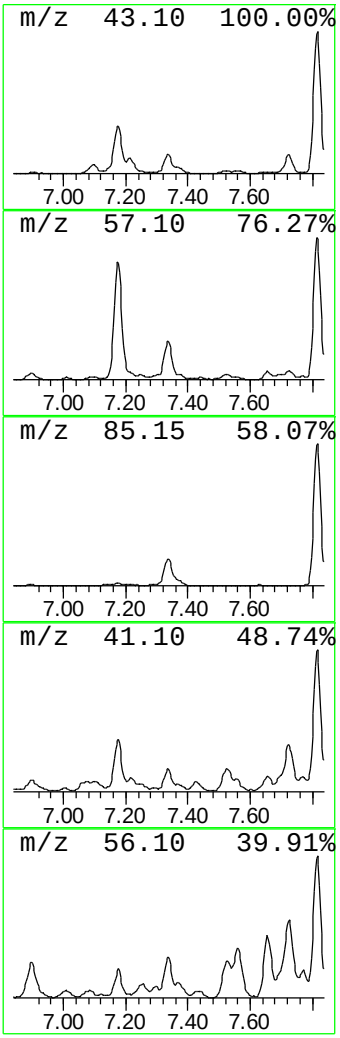
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 40

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.34 | 6.19 ug/L | 116486 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3-methyl- | 114 | C8H18 | 000589-81-1 | 91 |
| 2 | Oxalic acid, butyl isohexyl ester | 230 | C12H22O4 | 1000309-32-7 | 64 |
| 3 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 64 |
| 4 | Hexane, 2,3,3-trimethyl- | 128 | C9H20 | 016747-28-7 | 64 |
| 5 | Heptane, 3,4,5-trimethyl- | 142 | C10H22 | 020278-89-1 | 64 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

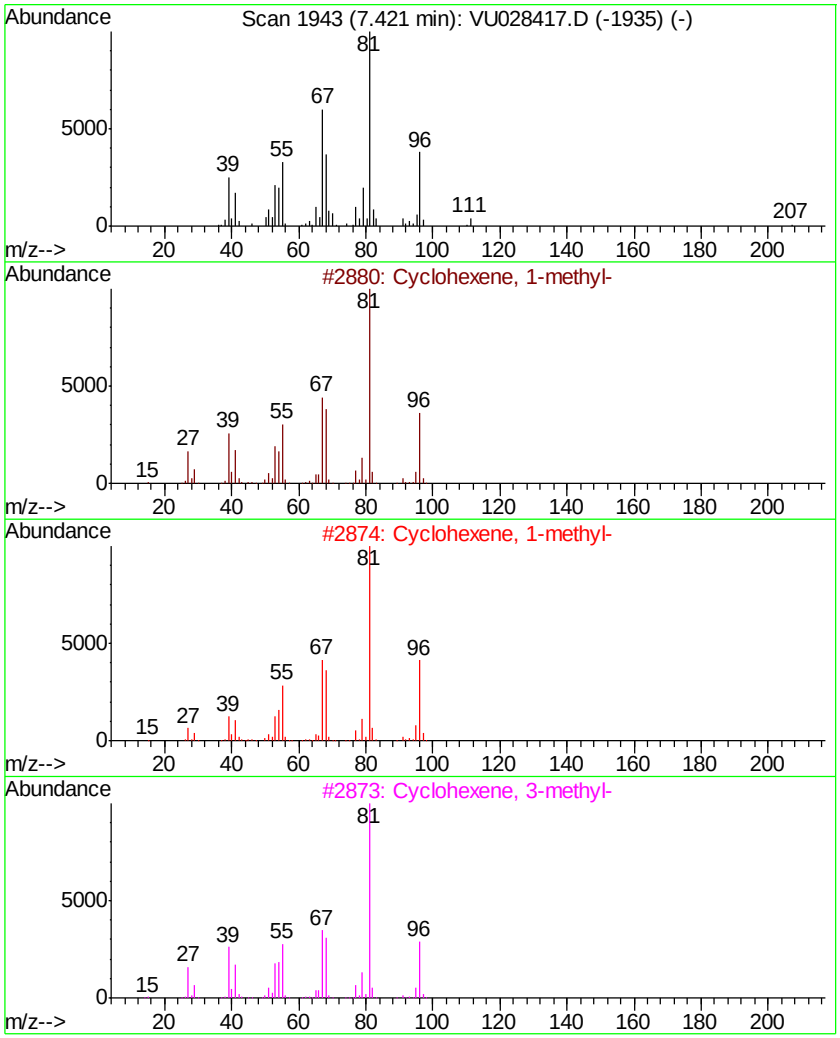
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

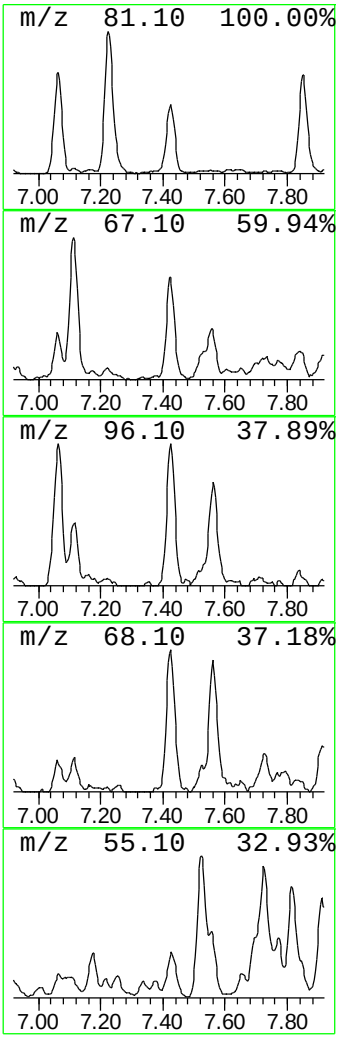
**********

Peak Number 31 Cyclohexene, 1-methyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.42 | 9.50 ug/L | 178899 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 94 |
| 2 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 90 |
| 3 | Cyclohexene, 3-methyl- | 96 | C7H12 | 000591-48-0 | 87 |
| 4 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 83 |
| 5 | Cyclohexane, methylene- | 96 | C7H12 | 001192-37-6 | 81 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

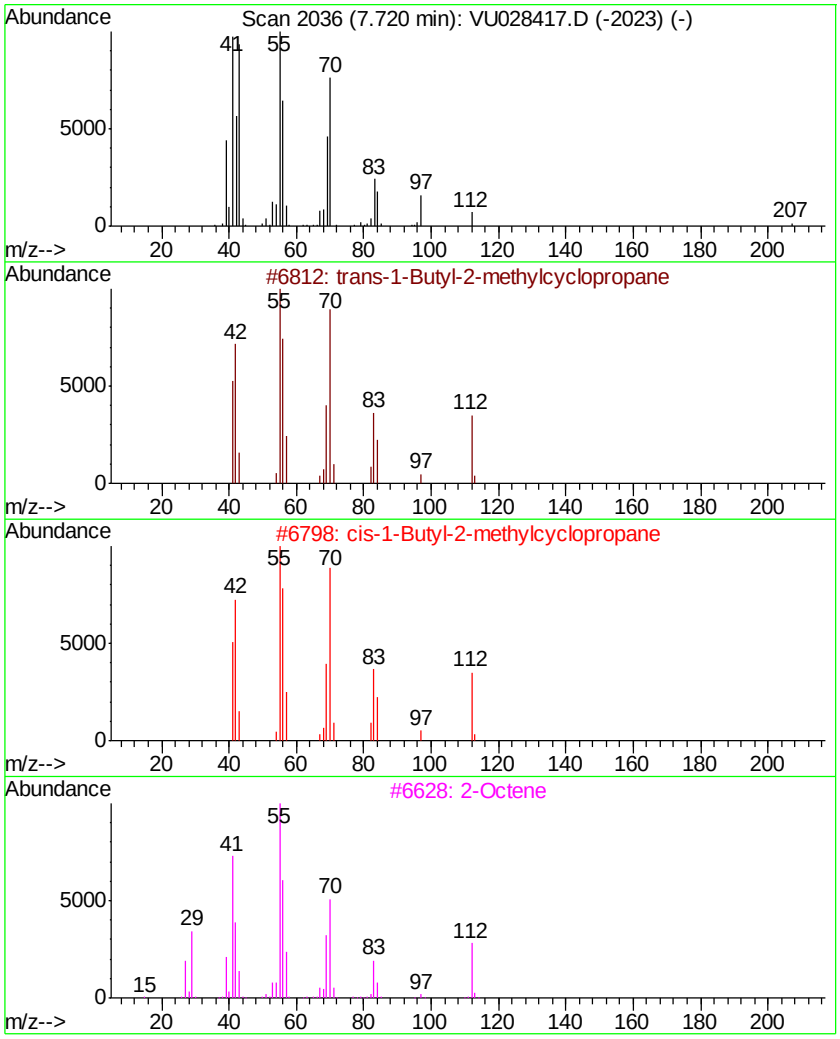
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

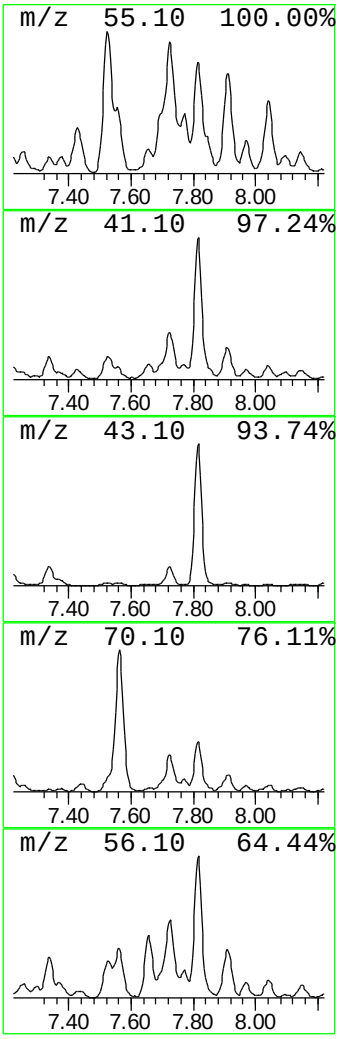
**********

Peak Number 32 (DEL) Alkane: Cyclic7.72 Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.72 | 10.53 ug/L | 251600 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | trans-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-70-6 | 91 |
| 2 | cis-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-69-3 | 91 |
| 3 | 2-Octene | 112 | C8H16 | 000111-67-1 | 59 |
| 4 | 2-Octene, (Z)- | 112 | C8H16 | 007642-04-8 | 59 |
| 5 | Cyclobutanone, 2,3,3-trimethyl- | 112 | C7H12O | 028290-01-9 | 58 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

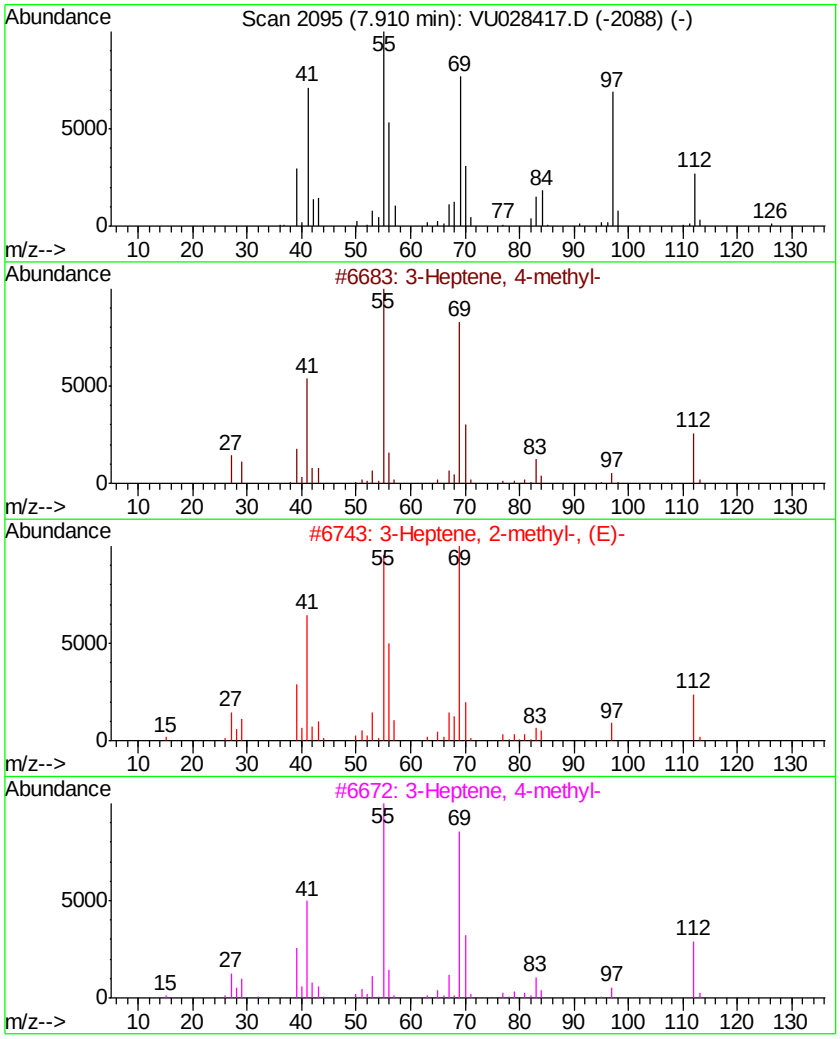
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

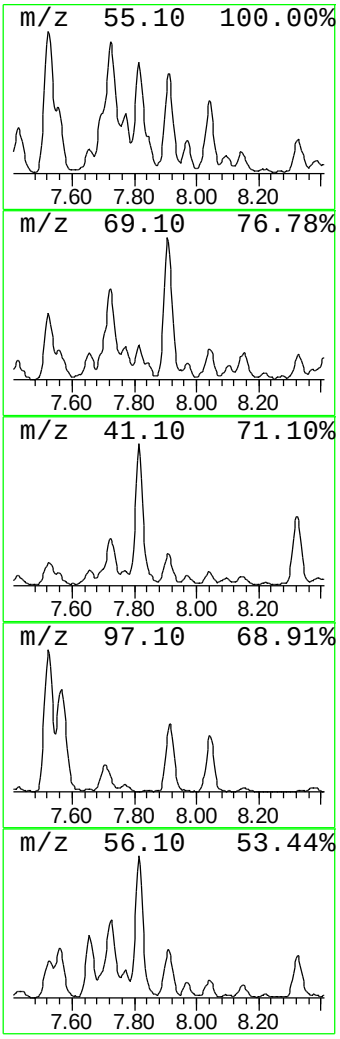
**********

Peak Number 33 (DEL) Alkane: Cyclic7.91 Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.91 | 7.14 ug/L | 170573 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Heptene, 4-methyl- | 112 | C8H16 | 004485-16-9 | 64 |
| 2 | 3-Heptene, 2-methyl-, (E)- | 112 | C8H16 | 000692-96-6 | 64 |
| 3 | 3-Heptene, 4-methyl- | 112 | C8H16 | 004485-16-9 | 64 |
| 4 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 60 |
| 5 | 3-Hexene, 2,3-dimethyl- | 112 | C8H16 | 007145-23-5 | 52 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

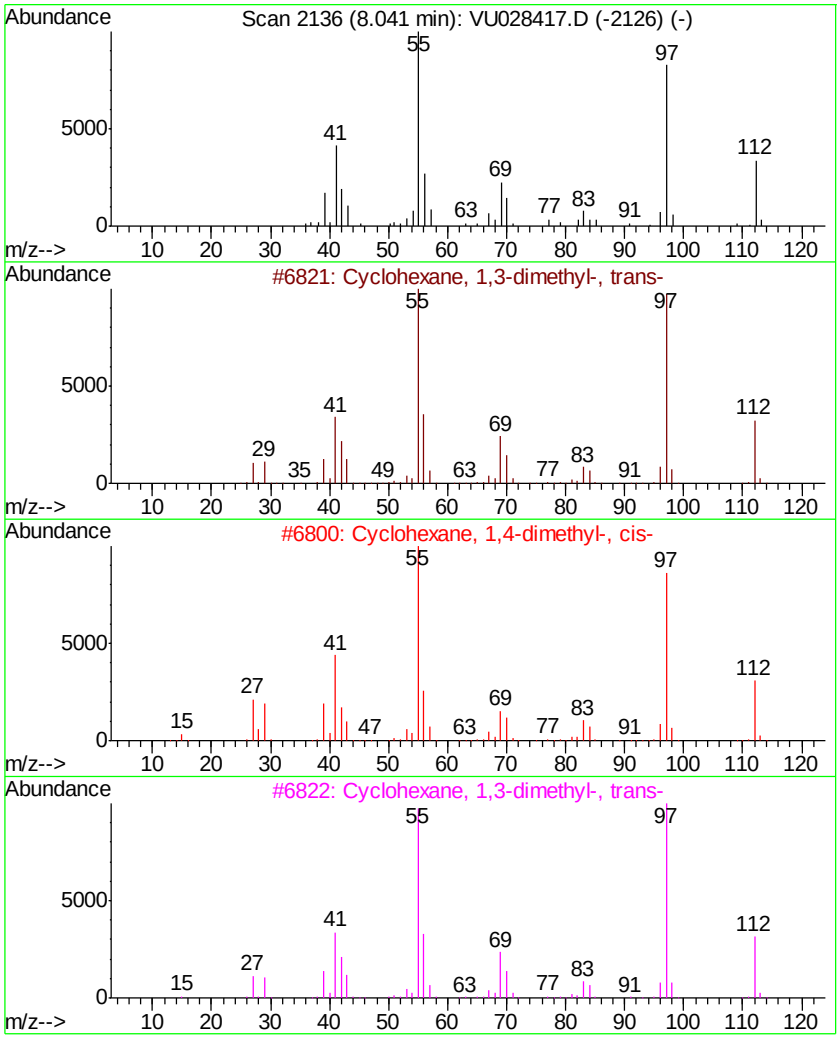
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

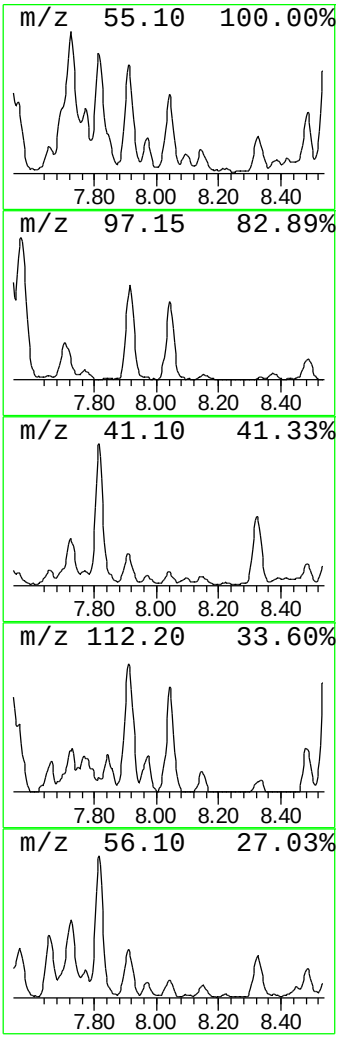
**********

Peak Number 34 (DEL) Alkane: Cyclic8.04 Concentration Rank 64

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.04 | 3.32 ug/L | 79379 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 94 |
| 2 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 94 |
| 3 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 94 |
| 4 | Cyclohexane, 1,4-dimethyl- | 112 | C8H16 | 000589-90-2 | 91 |
| 5 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 91 |



# Library Search Compound Report

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Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

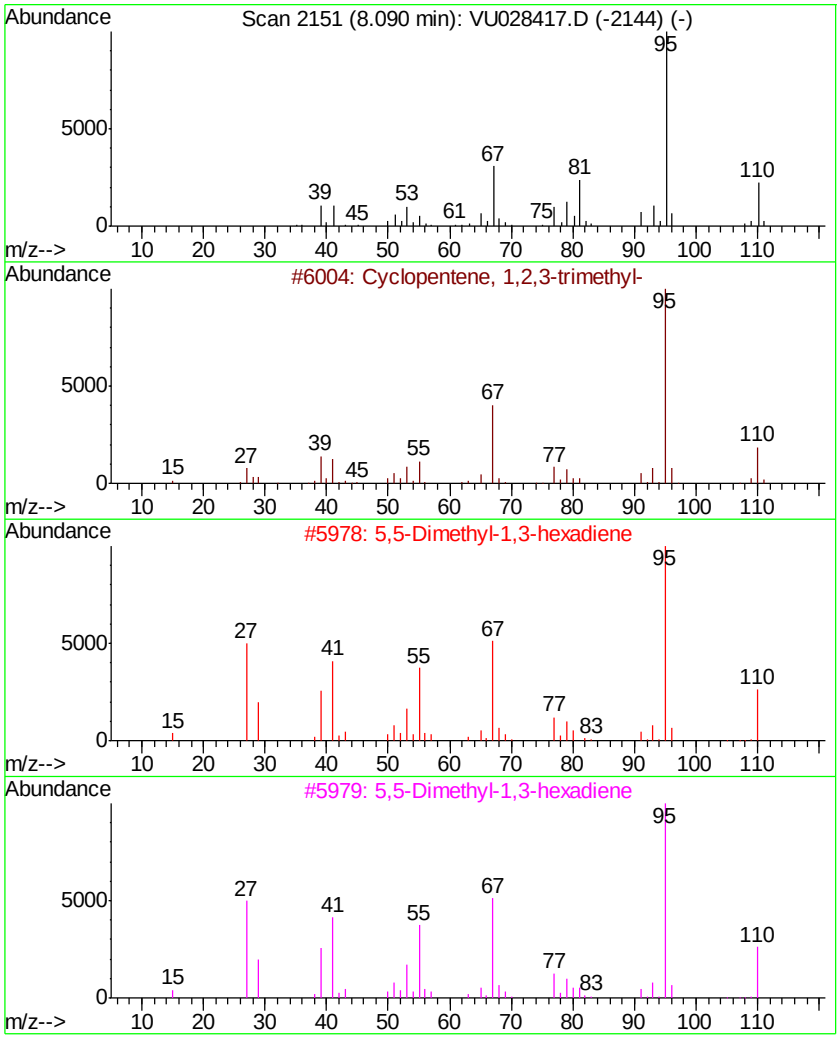
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

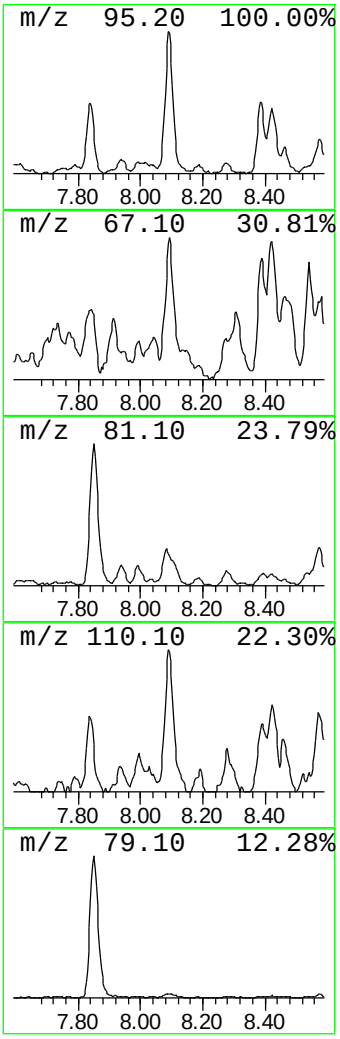
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 35 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 69

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.09 | 2.97 ug/L | 71049 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentene, 1,2,3-trimethyl- | 110 | C8H14 | 000473-91-6 | 91 |
| 2 | 5,5-Dimethyl-1,3-hexadiene | 110 | C8H14 | 001515-79-3 | 91 |
| 3 | 5,5-Dimethyl-1,3-hexadiene | 110 | C8H14 | 001515-79-3 | 91 |
| 4 | 5,5-Dimethyl-1,3-hexadiene | 110 | C8H14 | 001515-79-3 | 91 |
| 5 | 1,4-Hexadiene, 2,3-dimethyl- | 110 | C8H14 | 018669-52-8 | 87 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

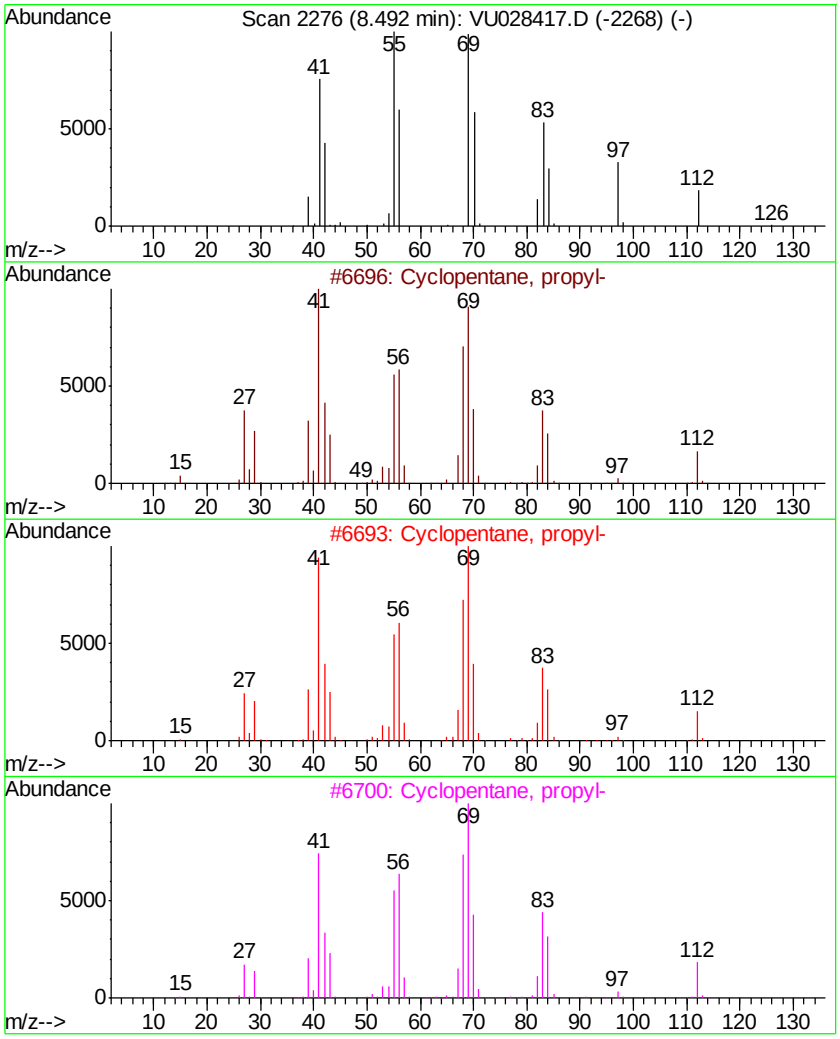
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

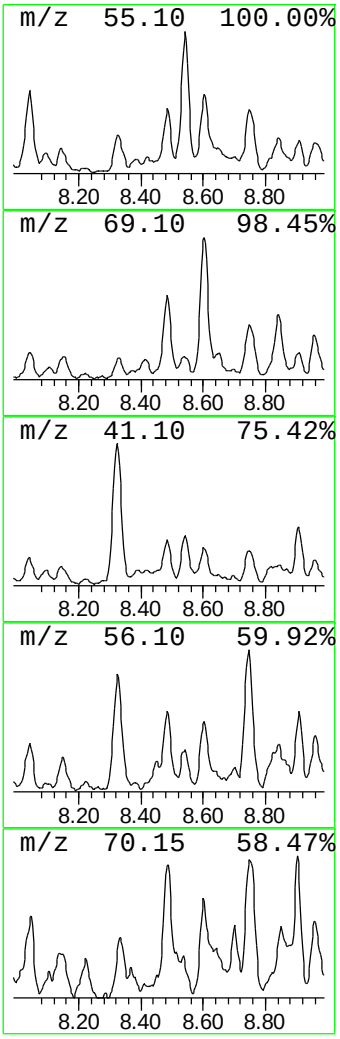
**********

Peak Number 36 (DEL) Alkane: Cyclic8.49 Concentration Rank 55

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.49 | 4.17 ug/L | 99626 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, propyl- | 112 | C8H16 | 002040-96-2 | 90 |
| 2 | Cyclopentane, propyl- | 112 | C8H16 | 002040-96-2 | 87 |
| 3 | Cyclopentane, propyl- | 112 | C8H16 | 002040-96-2 | 87 |
| 4 | Cyclooctane | 112 | C8H16 | 000292-64-8 | 53 |
| 5 | Cyclopentane, 1,1,2-trimethyl- | 112 | C8H16 | 004259-00-1 | 52 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

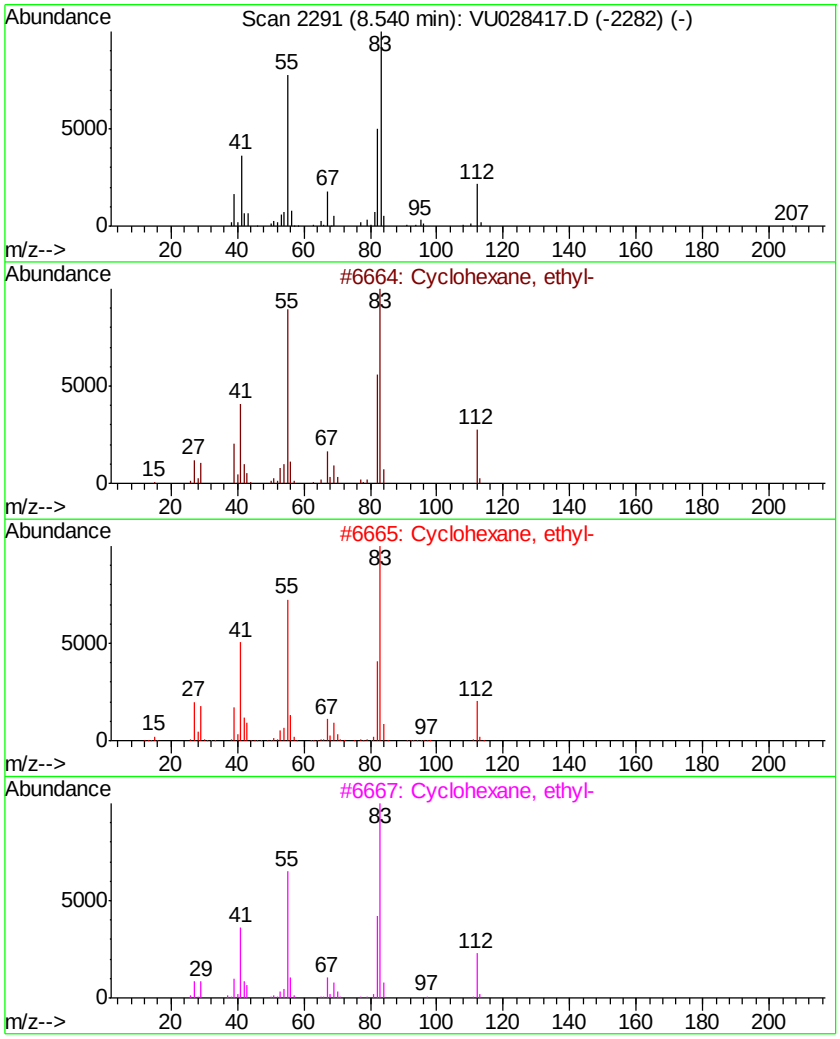
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

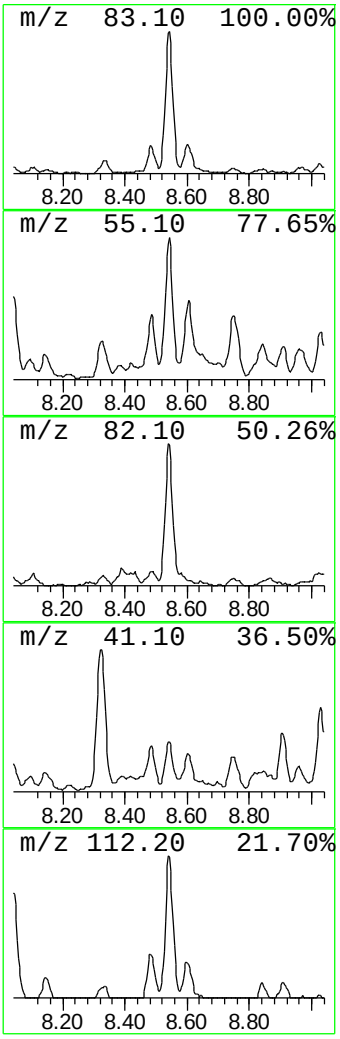
**********

Peak Number 37 (DEL) Alkane: Cyclic8.54 Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.54 | 6.71 ug/L | 160184 | Chlorobenzene-d5 | 9.09 |

| 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 | 86 |
| 3 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 86 |
| 4 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 86 |
| 5 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 78 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

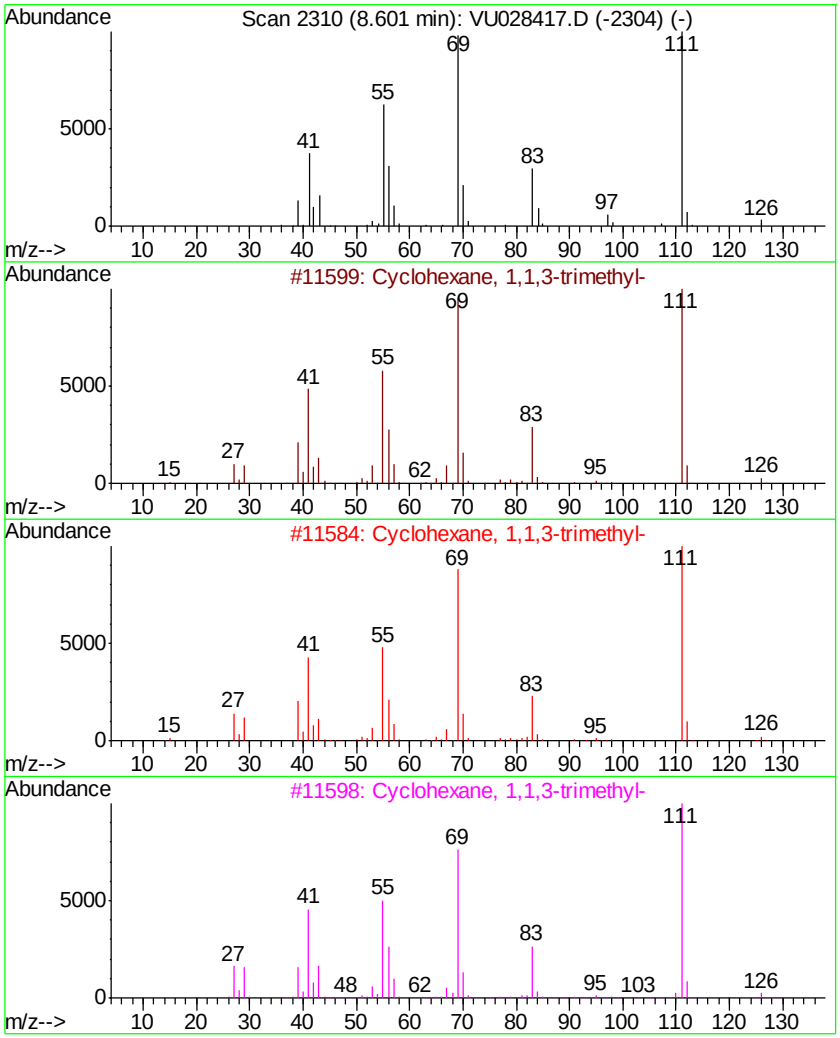
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

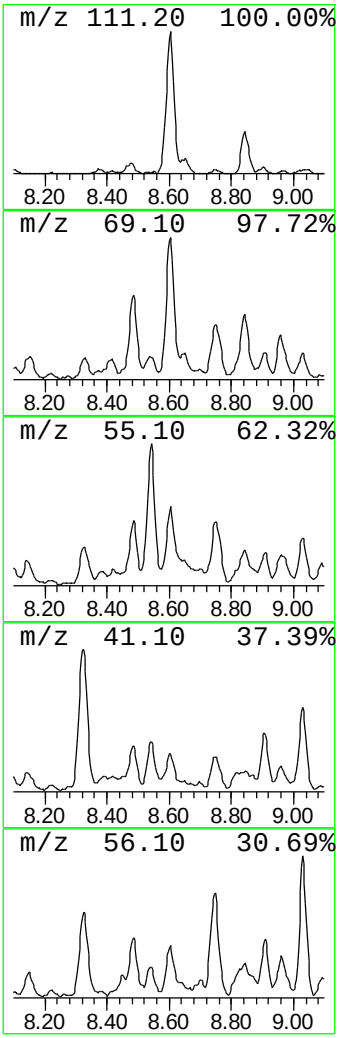
**********

Peak Number 38 (DEL) Alkane: Cyclic8.60 Concentration Rank 54

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.60 | 4.36 ug/L | 104150 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 91 |
| 2 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 91 |
| 3 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 91 |
| 4 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 86 |
| 5 | Cyclooctane, butyl- | 168 | C12H24 | 016538-93-5 | 72 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

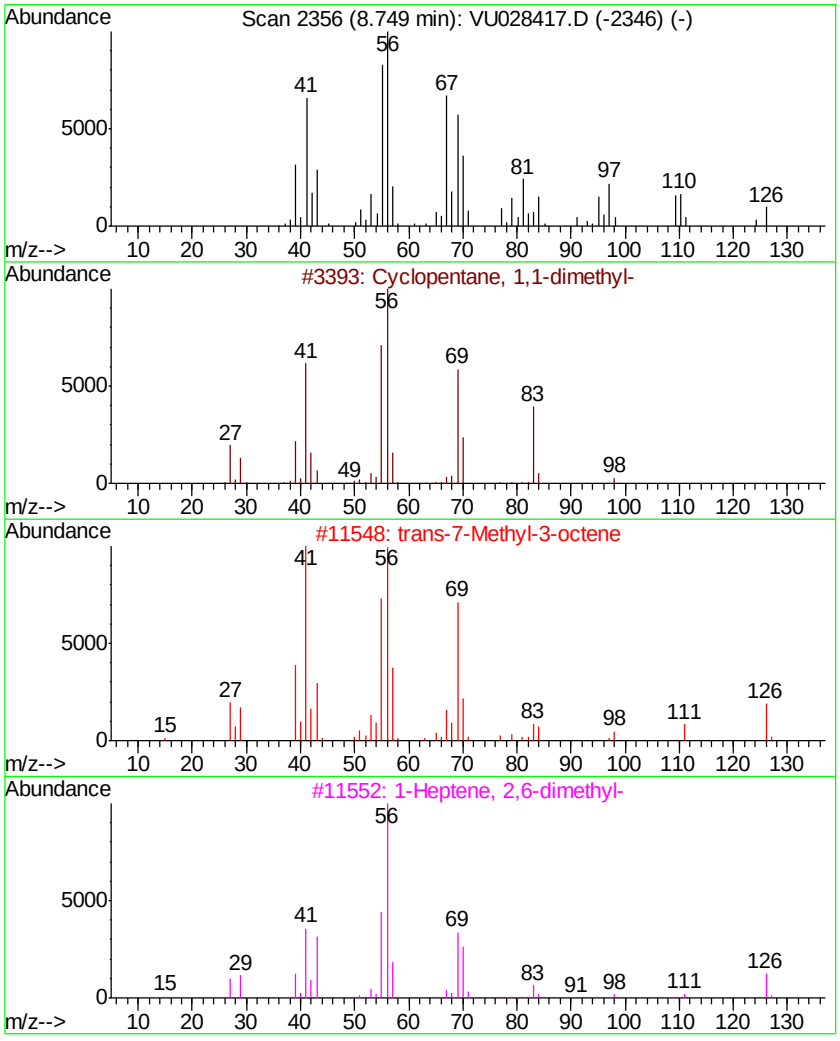
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

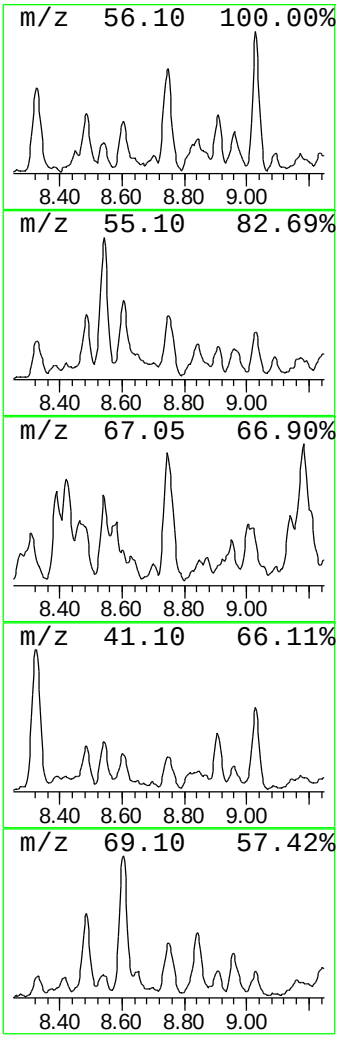
**********

Peak Number 39 (DEL) Alkane: Cyclic8.75 Concentration Rank 41

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.75 | 6.17 ug/L | 147351 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,1-dimethyl- | 98 | C7H14 | 001638-26-2 | 46 |
| 2 | trans-7-Methyl-3-octene | 126 | C9H18 | 1000113-52-8 | 43 |
| 3 | 1-Heptene, 2,6-dimethyl- | 126 | C9H18 | 003074-78-0 | 43 |
| 4 | Cyclopentane, butyl- | 126 | C9H18 | 002040-95-1 | 38 |
| 5 | 1-Pentanol, 3-methyl- | 102 | C6H14O | 000589-35-5 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

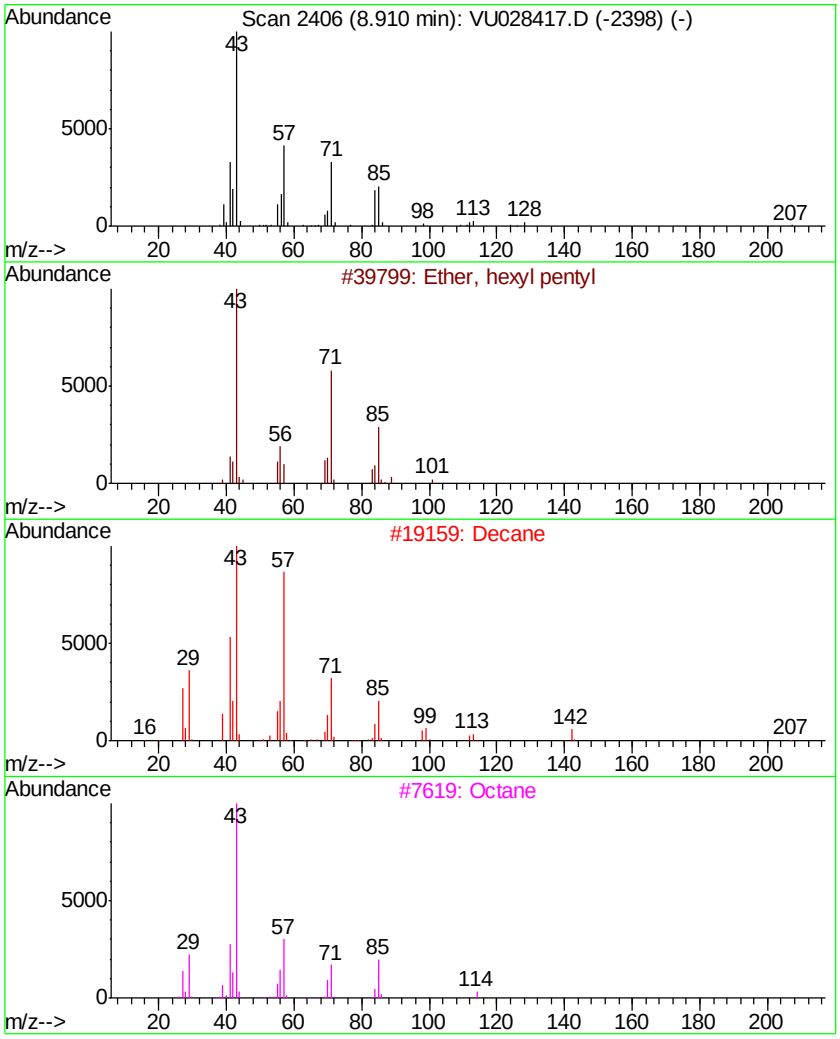
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

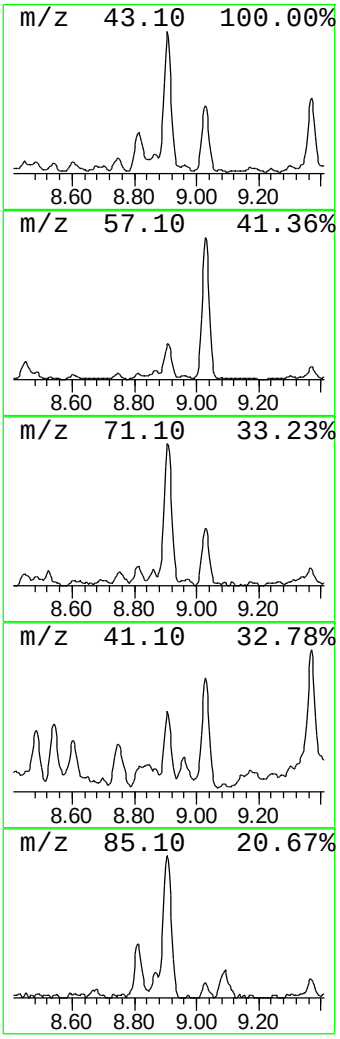
**********

Peak Number 40 Ether, hexyl pentyl Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.91 | 6.48 ug/L | 154714 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ether, hexyl pentyl | 172 | C11H24O | 032357-83-8 | 72 |
| 2 | Decane | 142 | C10H22 | 000124-18-5 | 72 |
| 3 | Octane | 114 | C8H18 | 000111-65-9 | 64 |
| 4 | N,N'-Bis(2-methyl-2-nitrosobutan... | 230 | C10H18N2O4 | 034946-73-1 | 64 |
| 5 | Octane, 2-methyl- | 128 | C9H20 | 003221-61-2 | 62 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

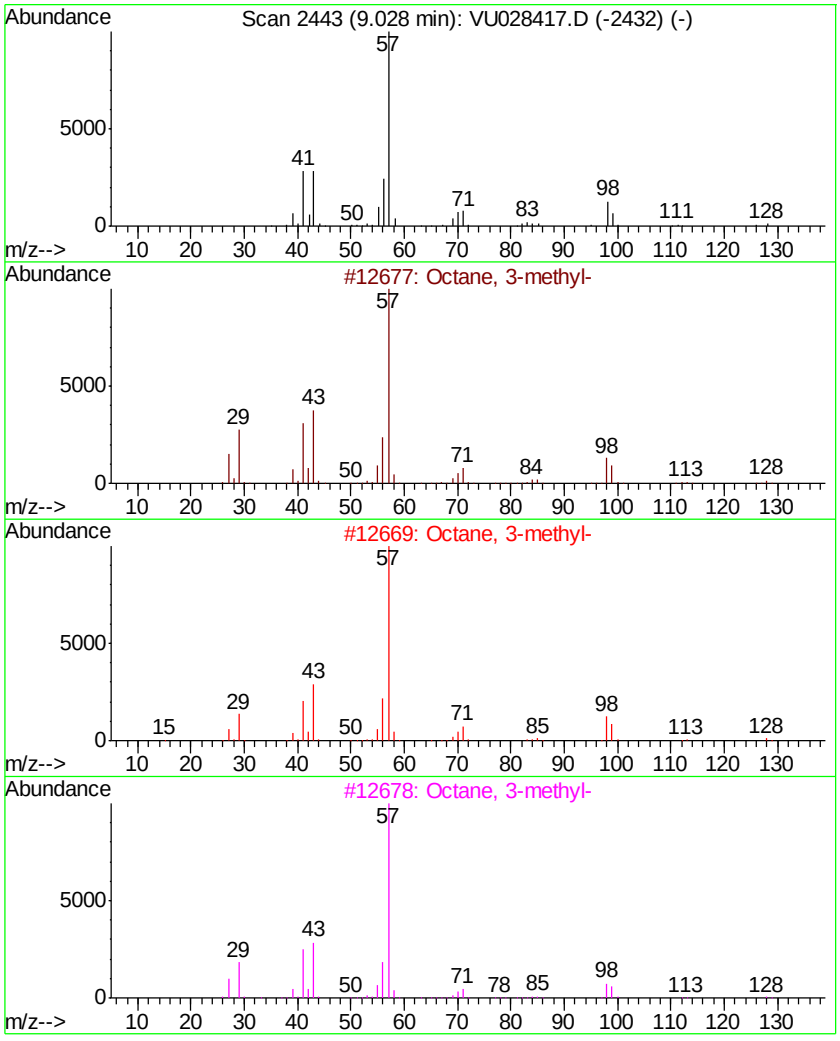
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

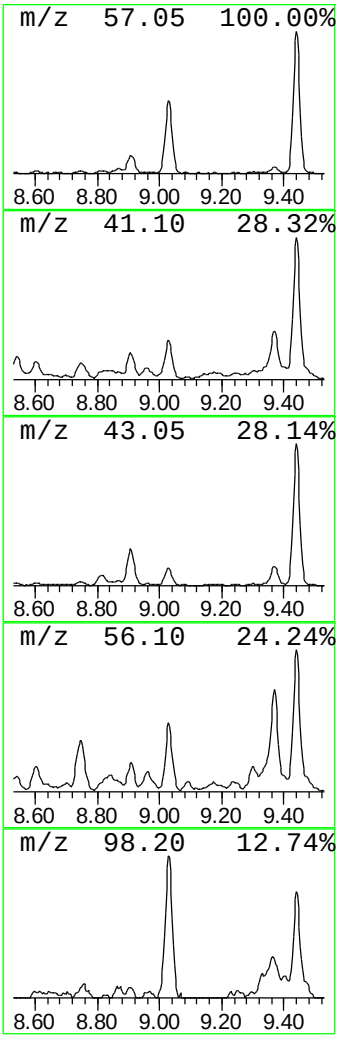
**********

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.03 | 9.24 ug/L | 220748 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 91 |
| 2 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 90 |
| 3 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 72 |
| 4 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 64 |
| 5 | Heptane, 4-(1-methylethyl)- | 142 | C10H22 | 052896-87-4 | 59 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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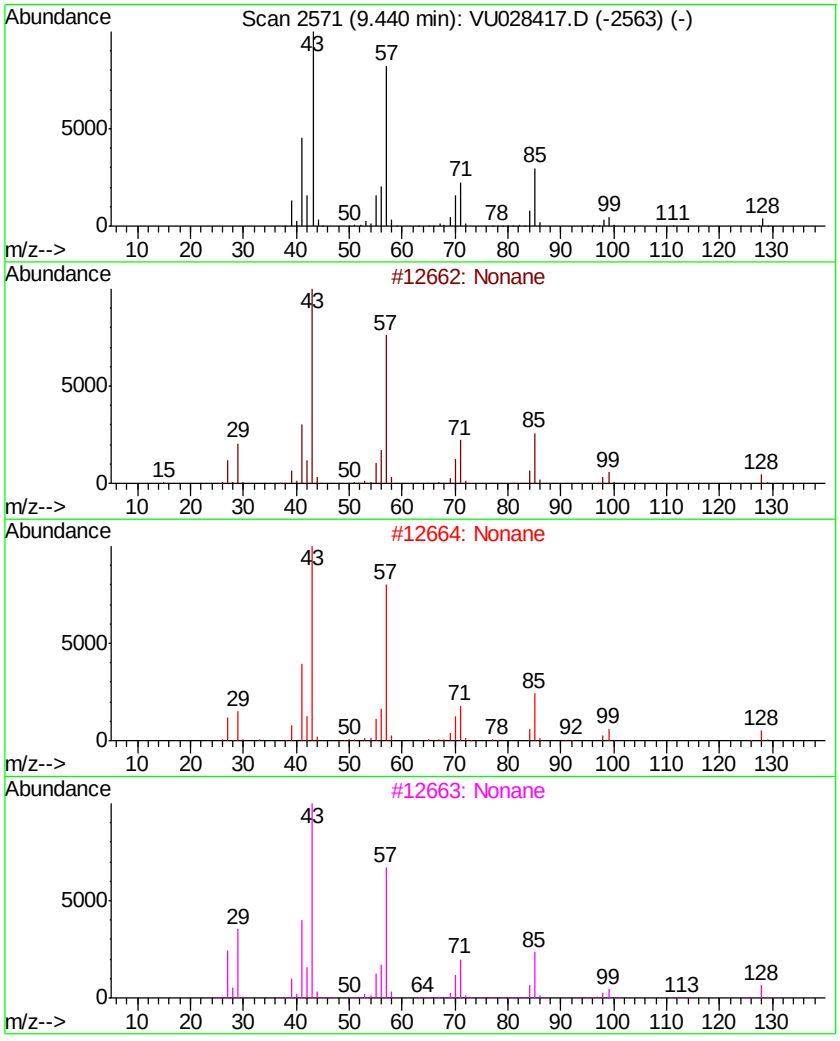
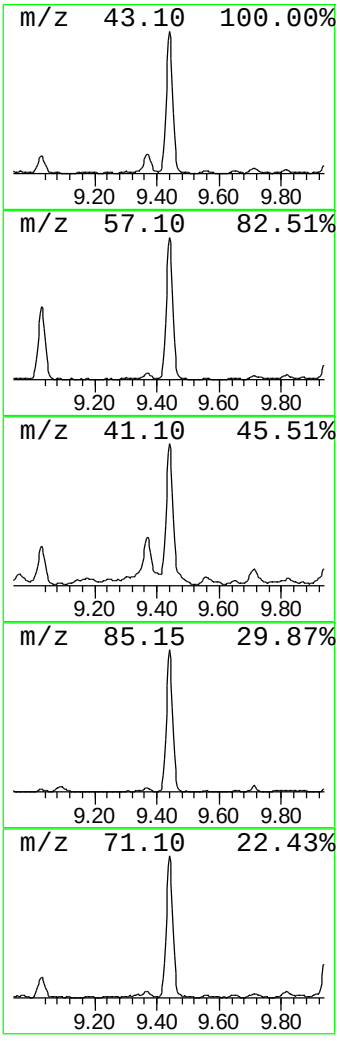
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.44 | 38.60 ug/L | 921992 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane | 128 | C9H20 | 000111-84-2 | 94 |
| 2 | Nonane | 128 | C9H20 | 000111-84-2 | 90 |
| 3 | Nonane | 128 | C9H20 | 000111-84-2 | 90 |
| 4 | 1-Octanol, 2-butyl- | 186 | C12H26O | 003913-02-8 | 72 |
| 5 | Octane | 114 | C8H18 | 000111-65-9 | 64 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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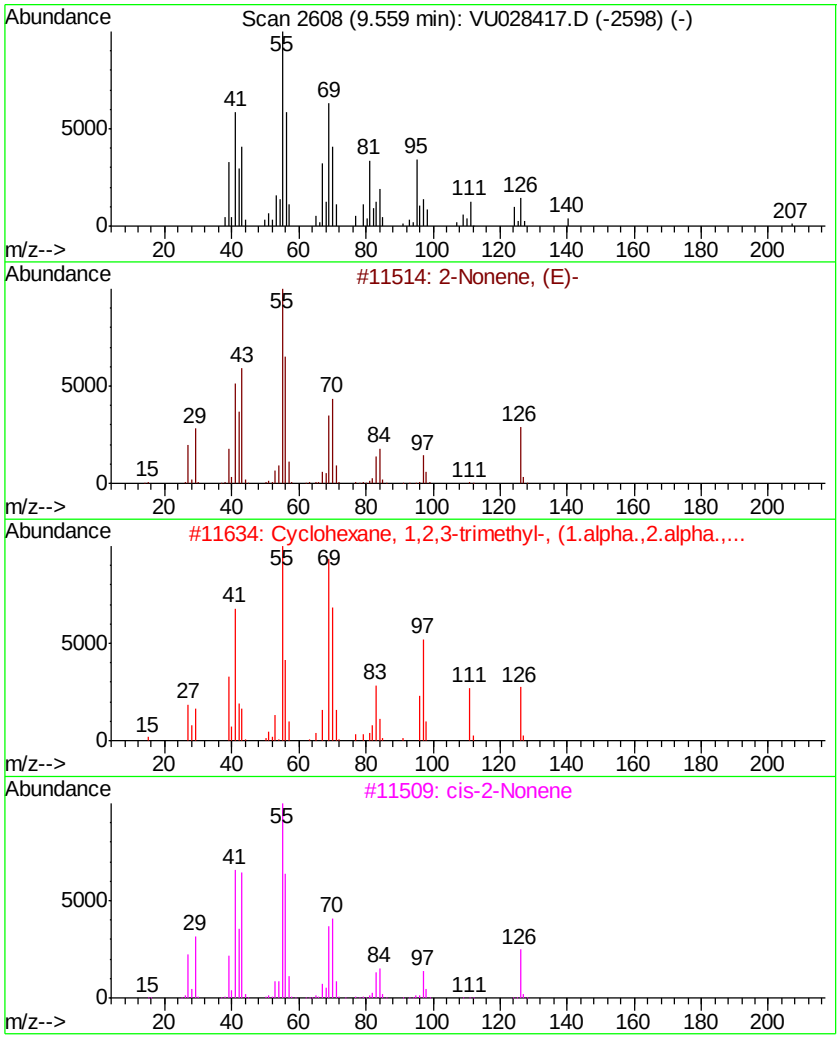
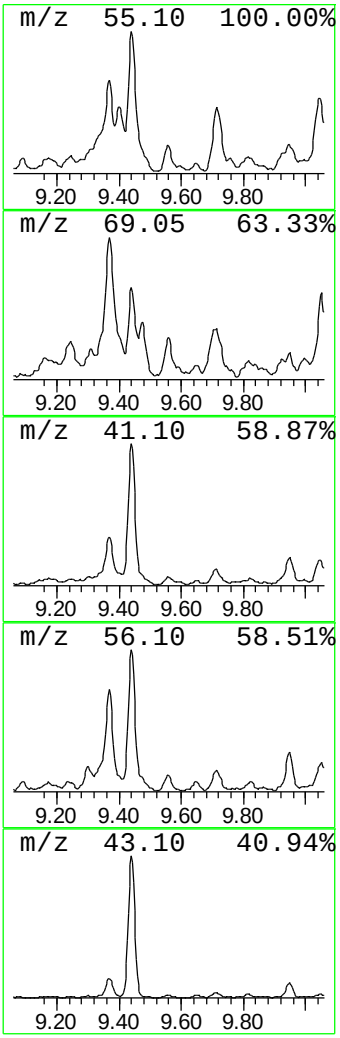
Peak Number 43 (DEL) Alkane: Cyclic9.56 Concentration Rank 57

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.56 | 3.93 ug/L | 93966 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Nonene, (E)- | 126 | C9H18 | 006434-78-2 | 60 |
| 2 | Cyclohexane, 1,2,3-trimethyl-, (... | 126 | C9H18 | 007667-55-2 | 55 |
| 3 | cis-2-Nonene | 126 | C9H18 | 006434-77-1 | 55 |
| 4 | cis-3-Decene | 140 | C10H20 | 019398-86-8 | 55 |
| 5 | 2-Decene, (E)- | 140 | C10H20 | 020063-97-2 | 55 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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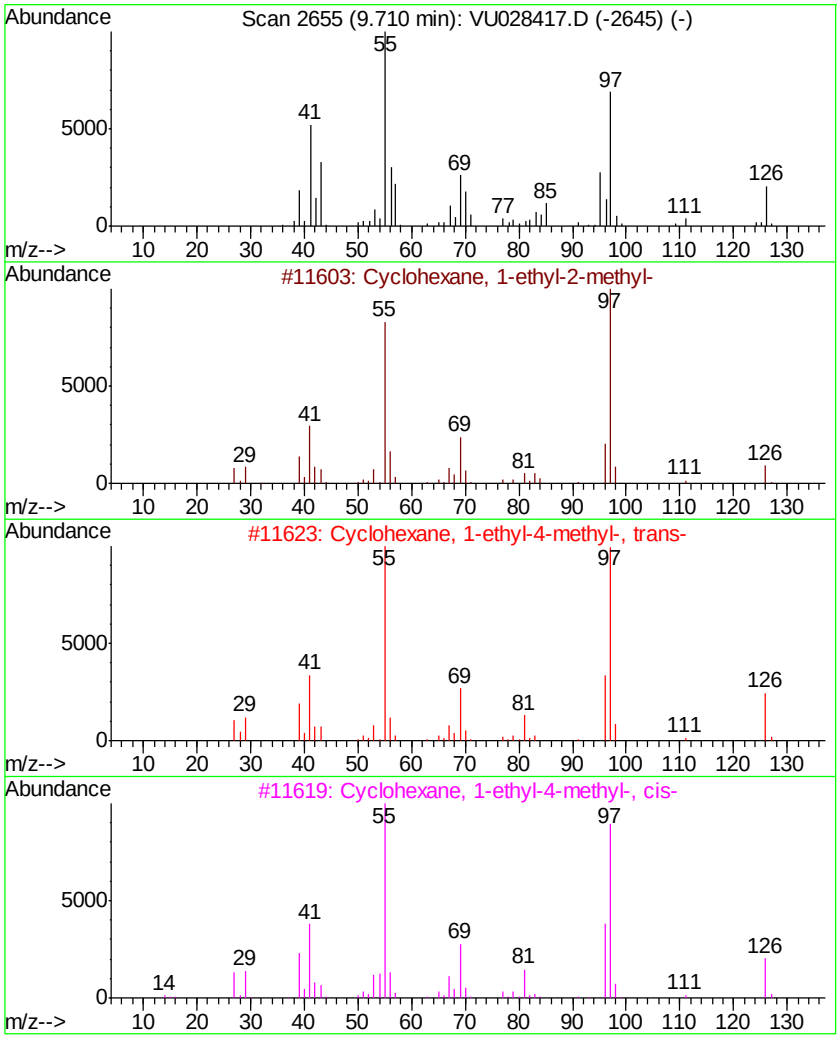
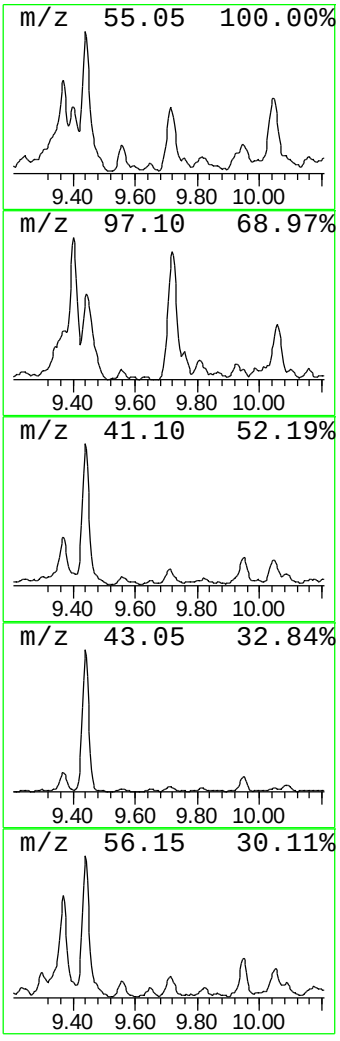
Peak Number 44 (DEL) Alkane: Cyclic9.71 Concentration Rank 42

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.71 | 6.04 ug/L | 144325 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-ethyl-2-methyl- | 126 | C9H18 | 003728-54-9 | 59 |
| 2 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 006236-88-0 | 58 |
| 3 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 004926-78-7 | 53 |
| 4 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 53 |
| 5 | 3,5-Dimethyl-3-heptene | 126 | C9H18 | 059643-68-4 | 52 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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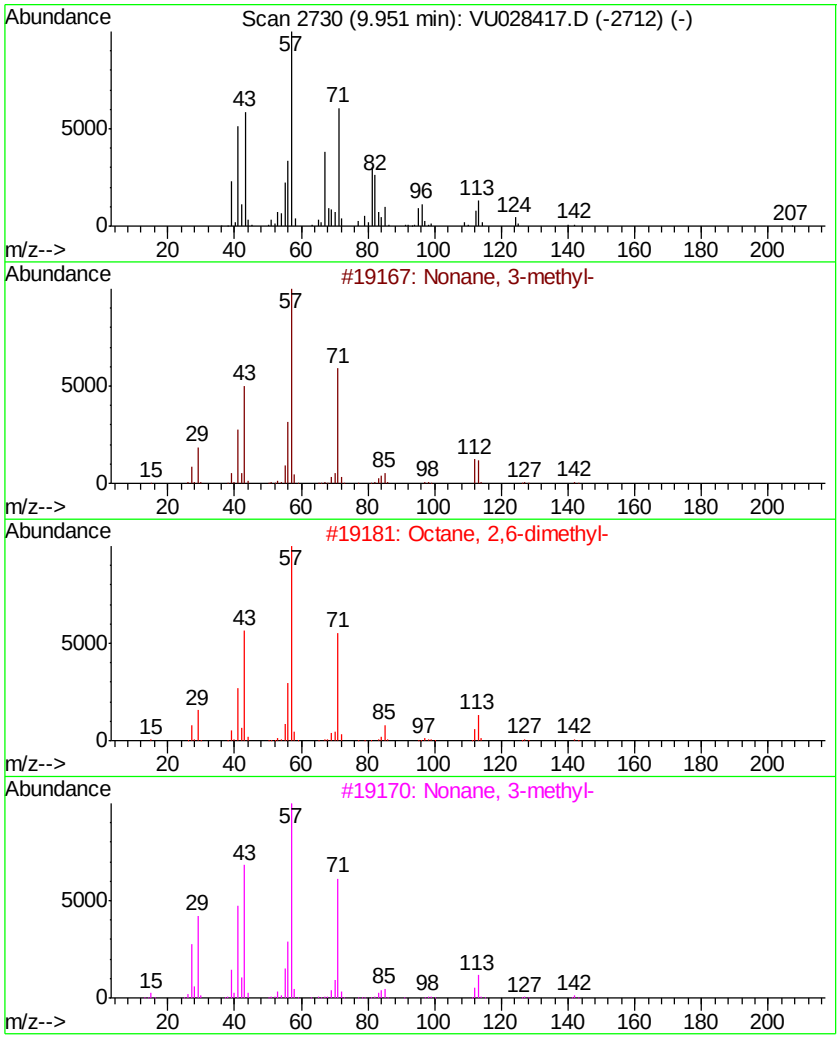
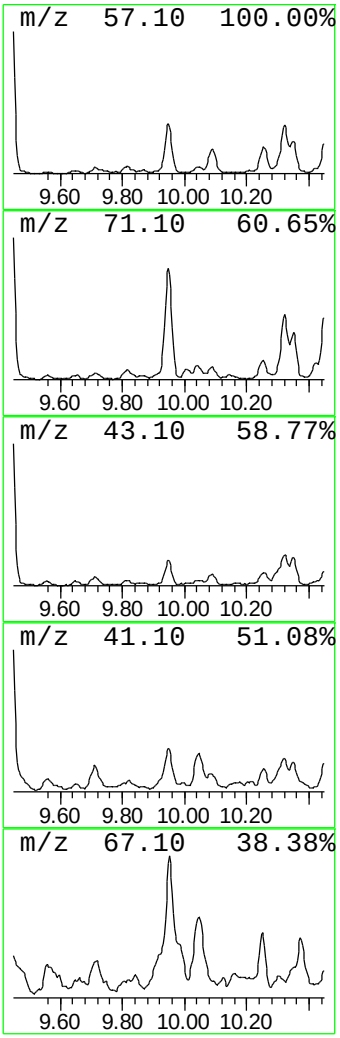
Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.95 | 11.62 ug/L | 277473 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 64 |
| 2 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 64 |
| 3 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 60 |
| 4 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 55 |
| 5 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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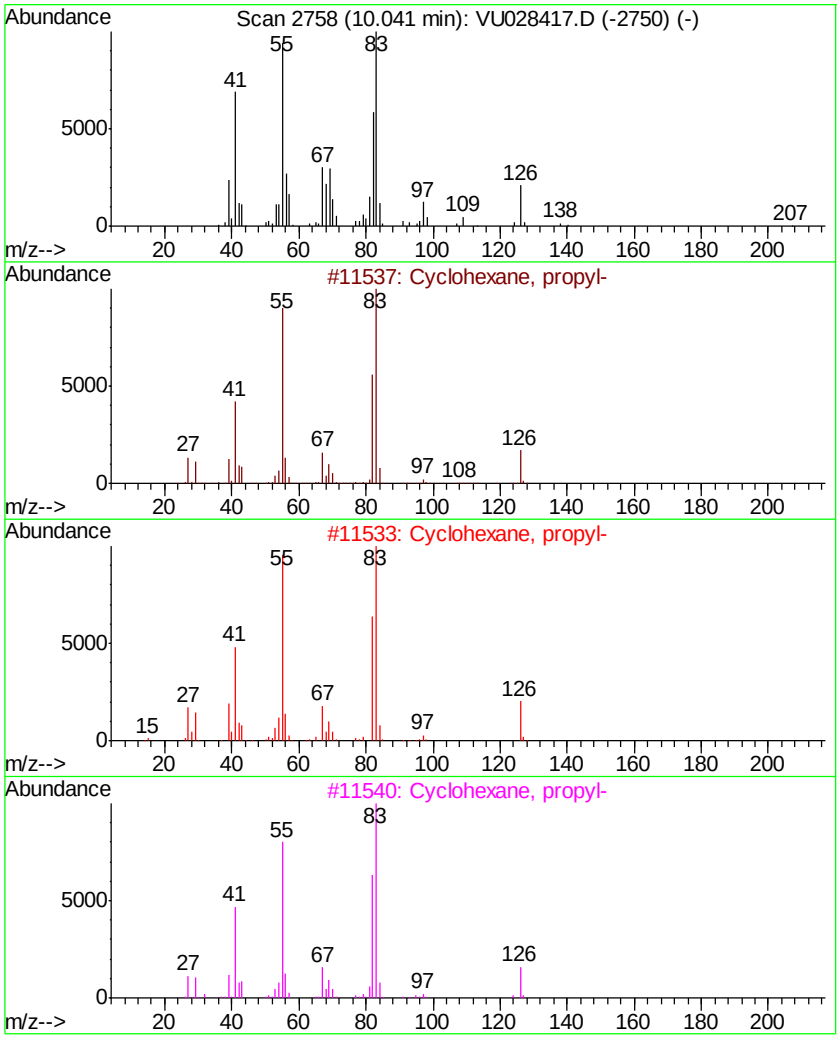
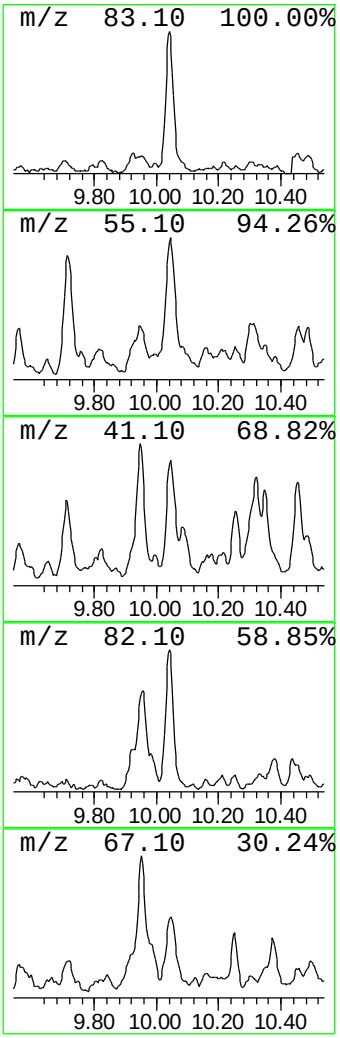
Peak Number 46 (DEL) Alkane: Cyclic10.04 Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.04 | 7.03 ug/L | 167940 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 72 |
| 2 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 72 |
| 3 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 64 |
| 4 | Ethanone, 1-cyclohexyl- | 126 | C8H14O | 000823-76-7 | 53 |
| 5 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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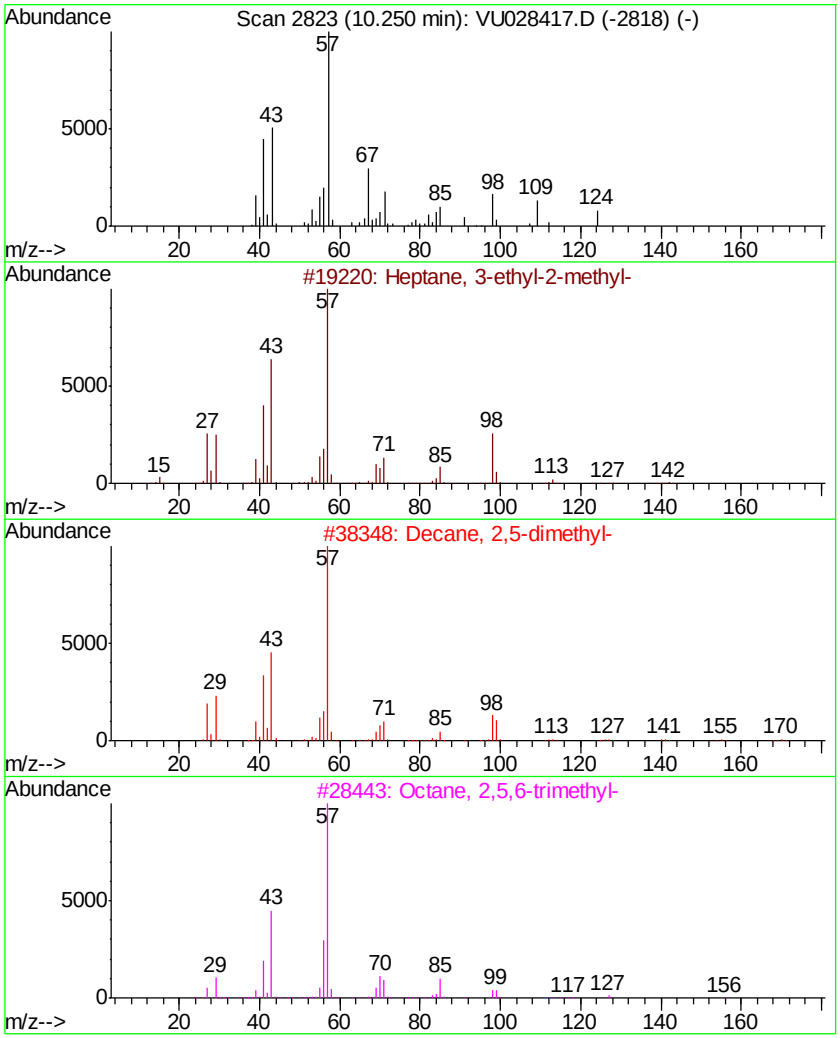
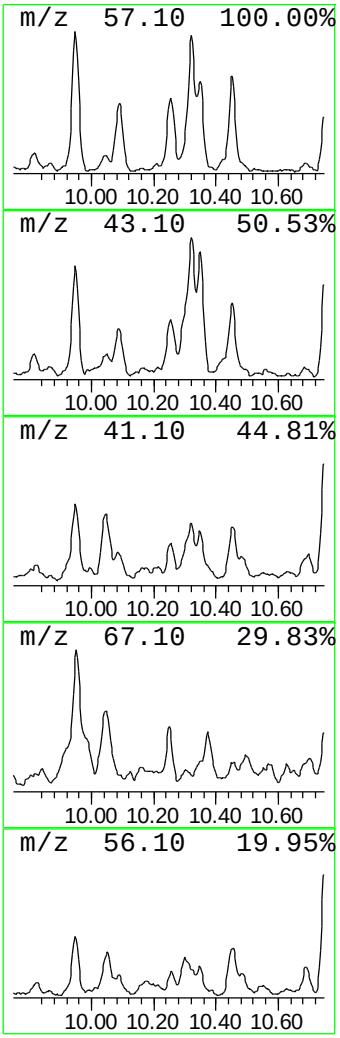
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 74

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.25 | 2.63 ug/L | 62804 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3-ethyl-2-methyl- | 142 | C10H22 | 014676-29-0 | 50 |
| 2 | Decane, 2,5-dimethyl- | 170 | C12H26 | 017312-50-4 | 47 |
| 3 | Octane, 2,5,6-trimethyl- | 156 | C11H24 | 062016-14-2 | 43 |
| 4 | Heptane, 2,2,3,5-tetramethyl- | 156 | C11H24 | 061868-42-6 | 35 |
| 5 | Octane, 2,3-dimethyl- | 142 | C10H22 | 007146-60-3 | 35 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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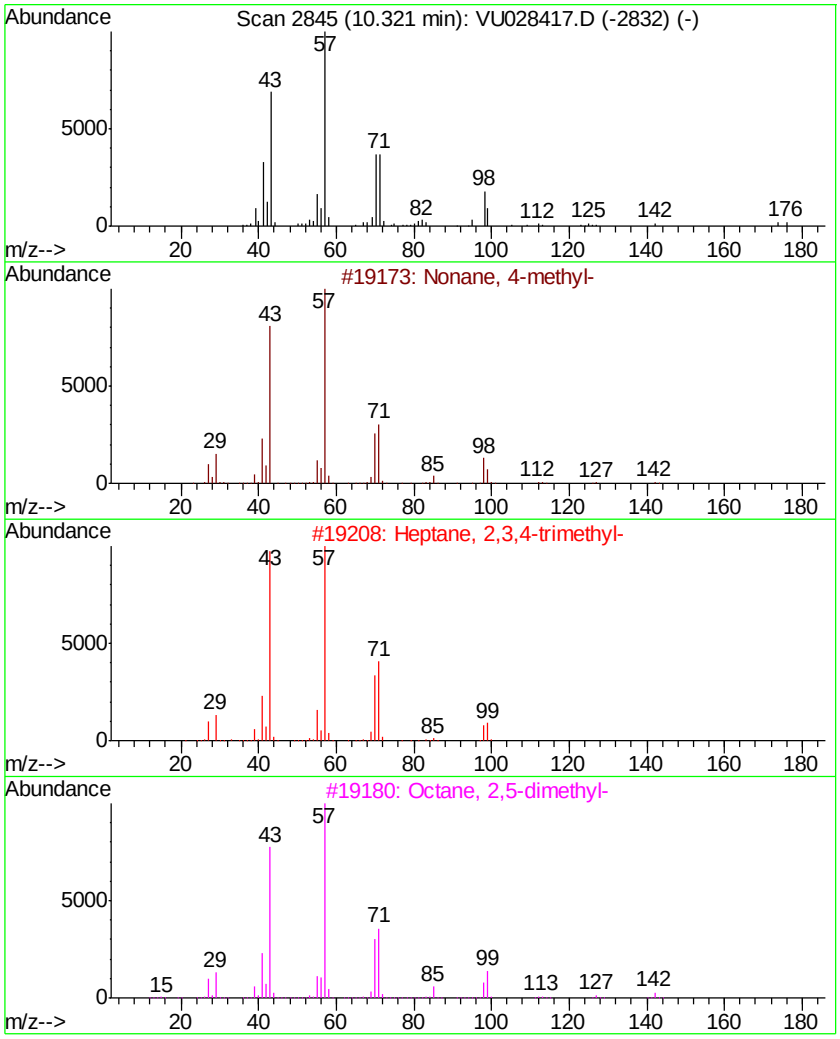
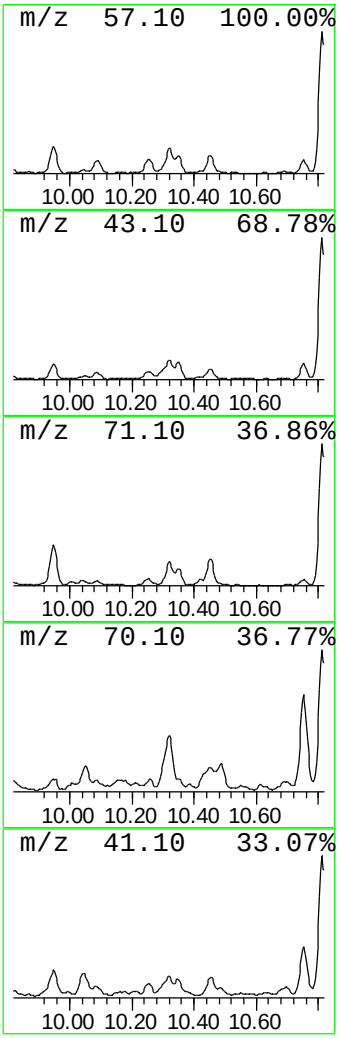
Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.32 | 6.58 ug/L | 171699 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 90 |
| 2 | Heptane, 2,3,4-trimethyl- | 142 | C10H22 | 052896-95-4 | 64 |
| 3 | Octane, 2,5-dimethyl- | 142 | C10H22 | 015869-89-3 | 64 |
| 4 | Octane, 2,3-dimethyl- | 142 | C10H22 | 007146-60-3 | 53 |
| 5 | Pentane, 2,2,3,3-tetramethyl- | 128 | C9H20 | 007154-79-2 | 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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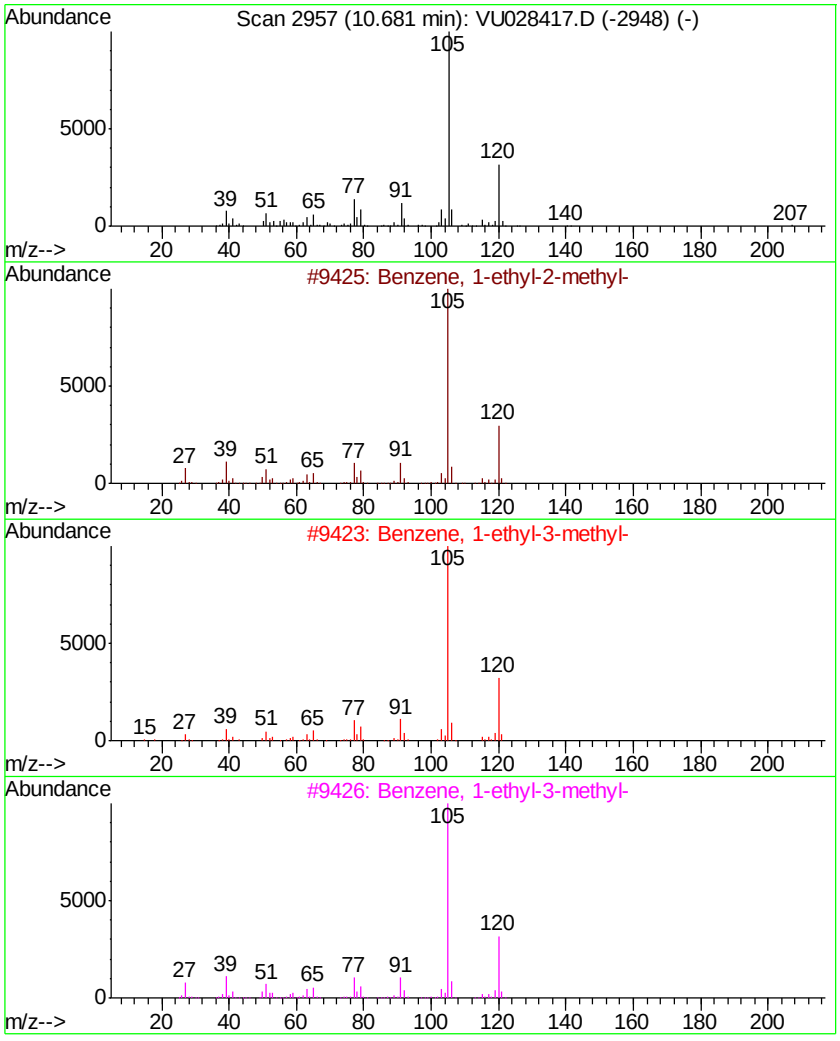
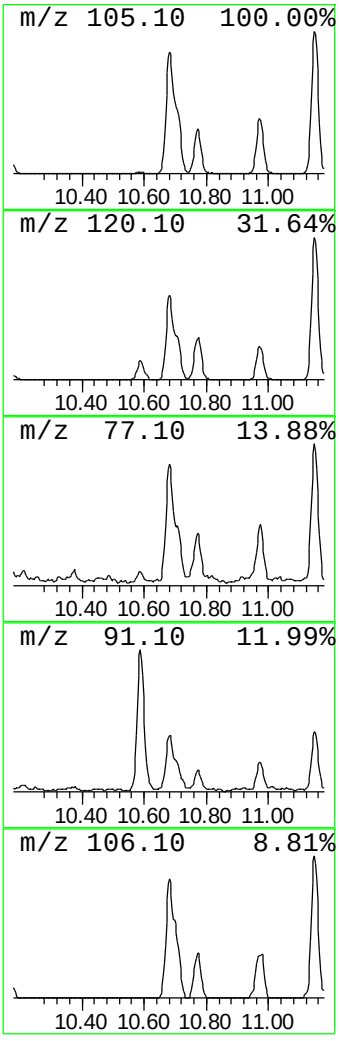
Peak Number 49 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.68 | 14.27 ug/L | 372446 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 94 |
| 4 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 91 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

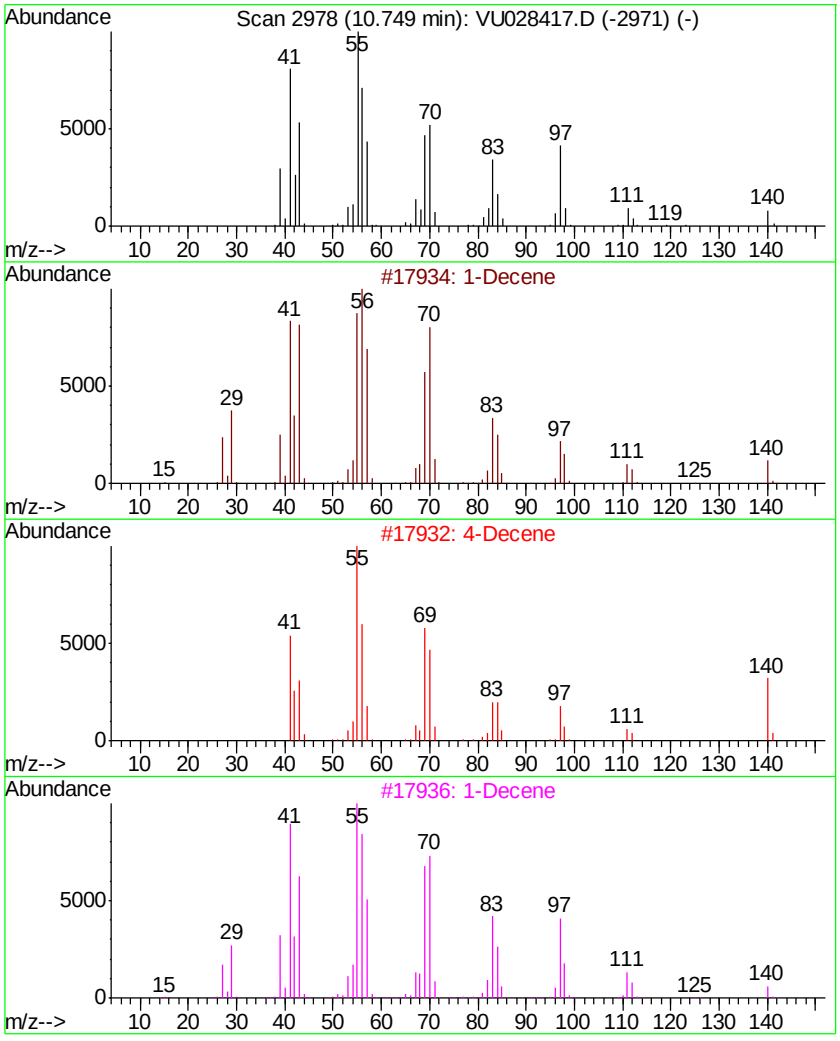
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

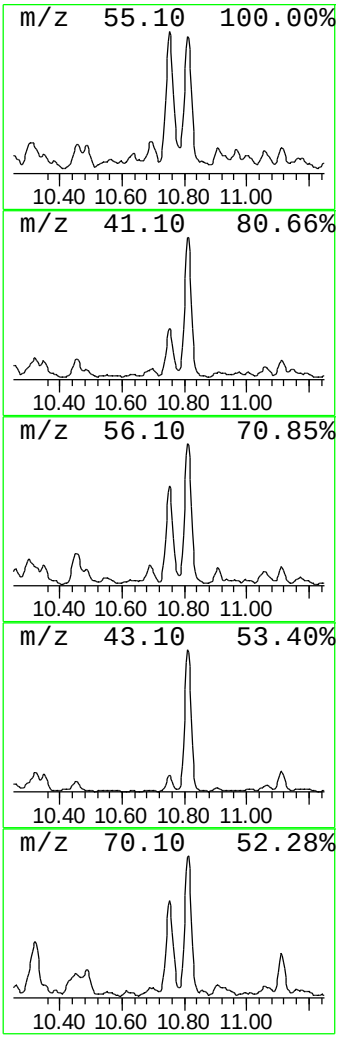
**********

Peak Number 50 (DEL) Alkane: Cyclic10.75 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.75 | 14.75 ug/L | 384909 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Decene | 140 | C10H20 | 000872-05-9 | 93 |
| 2 | 4-Decene | 140 | C10H20 | 019689-18-0 | 81 |
| 3 | 1-Decene | 140 | C10H20 | 000872-05-9 | 80 |
| 4 | 3-Octene, (Z)- | 112 | C8H16 | 014850-22-7 | 70 |
| 5 | cis-3-Decene | 140 | C10H20 | 019398-86-8 | 62 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

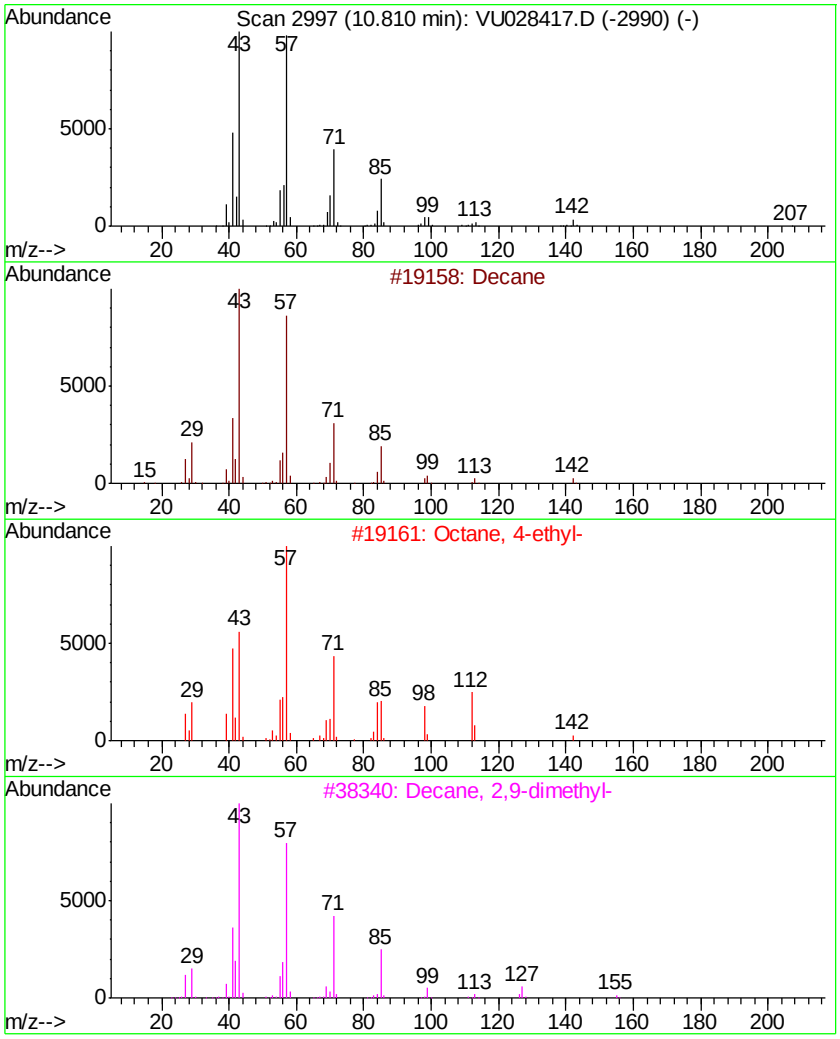
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

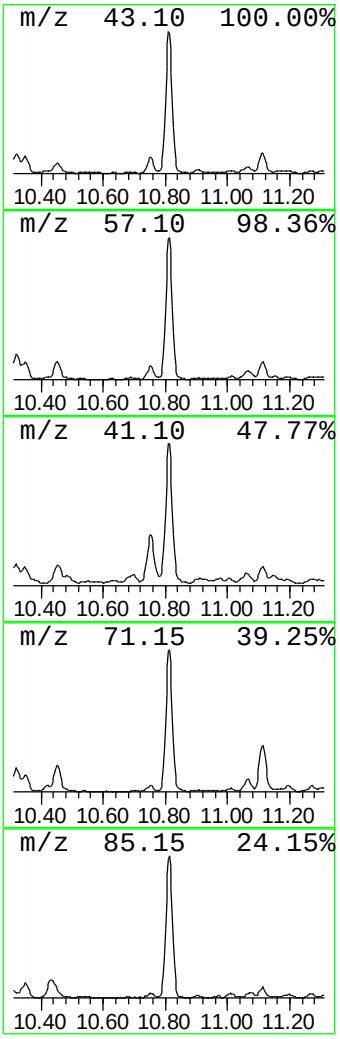
**********

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.81 | 35.02 ug/L | 913963 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane | 142 | C10H22 | 000124-18-5 | 91 |
| 2 | Octane, 4-ethyl- | 142 | C10H22 | 015869-86-0 | 72 |
| 3 | Decane, 2,9-dimethyl- | 170 | C12H26 | 001002-17-1 | 72 |
| 4 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 72 |
| 5 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 72 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

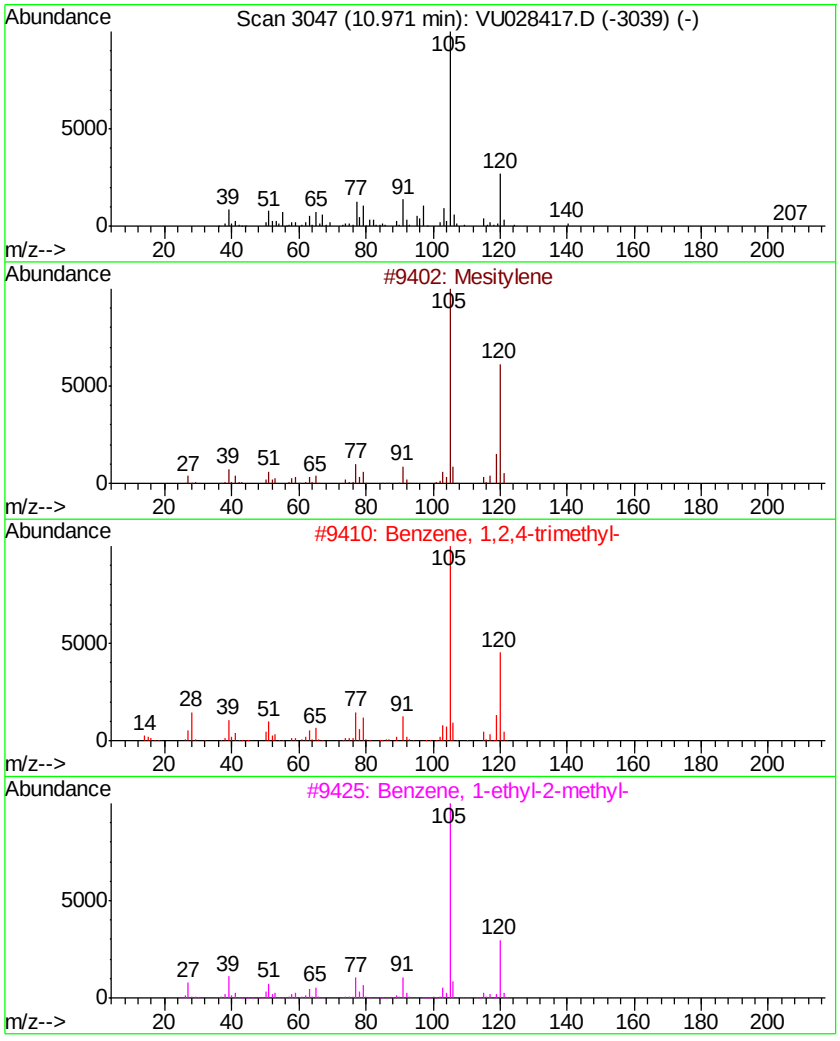
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

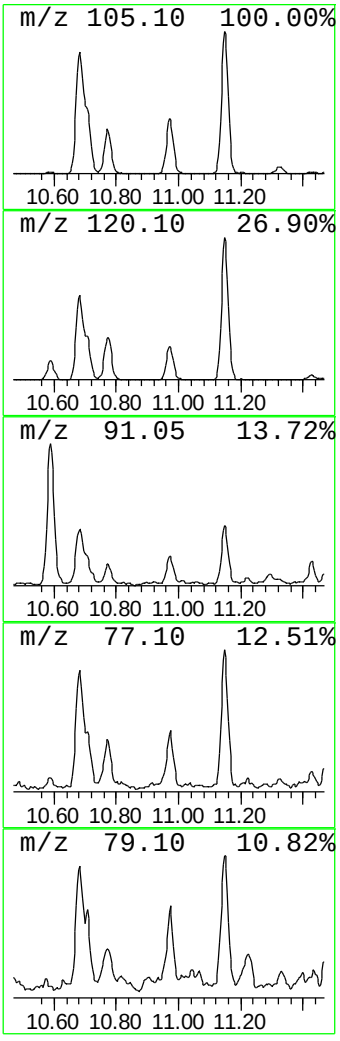
**********

Peak Number 52 Mesitylene Concentration Rank 46

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.97 | 4.85 ug/L | 126681 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mesitylene | 120 | C9H12 | 000108-67-8 | 81 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 81 |
| 3 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 81 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 81 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 76 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

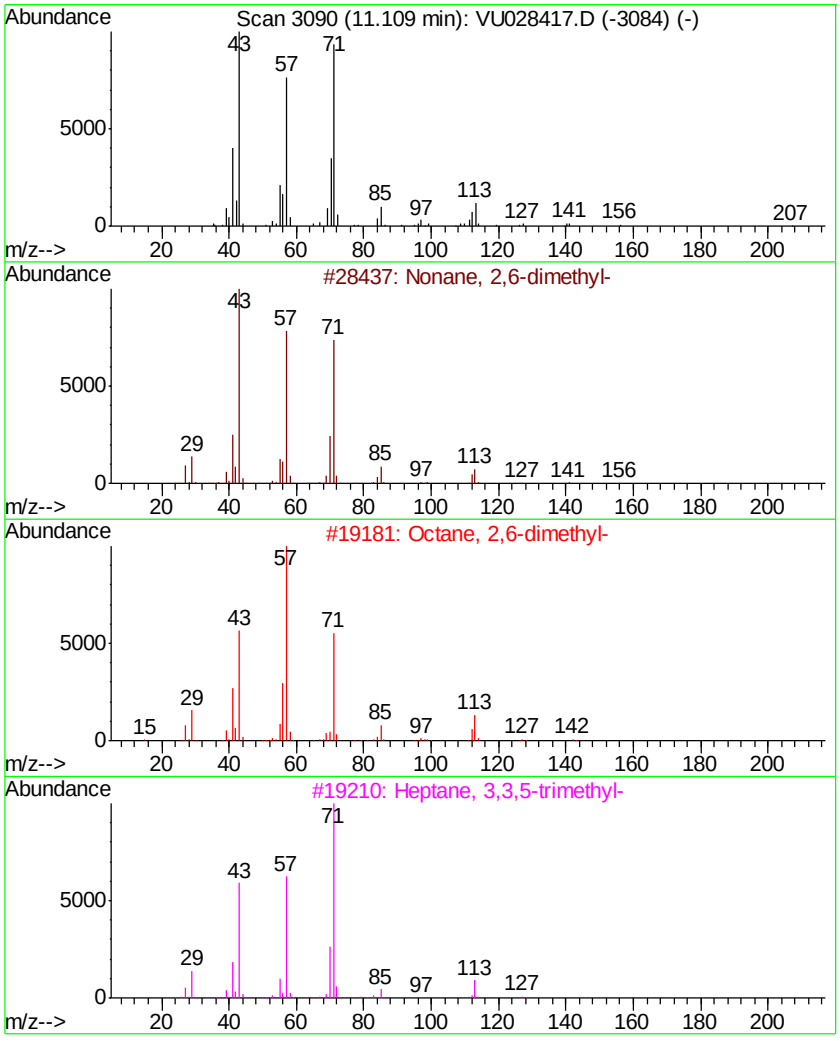
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

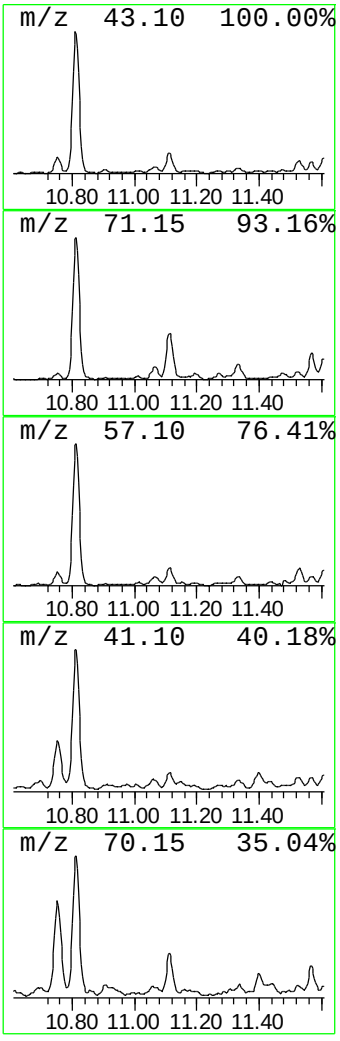
**********

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 56

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.11 | 4.01 ug/L | 104749 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 2,6-dimethyl- | 156 | C11H24 | 017302-28-2 | 91 |
| 2 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 86 |
| 3 | Heptane, 3,3,5-trimethyl- | 142 | C10H22 | 007154-80-5 | 72 |
| 4 | Octane, 2-bromo- | 192 | C8H17Br | 000557-35-7 | 64 |
| 5 | Octane, 2-bromo- | 192 | C8H17Br | 000557-35-7 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

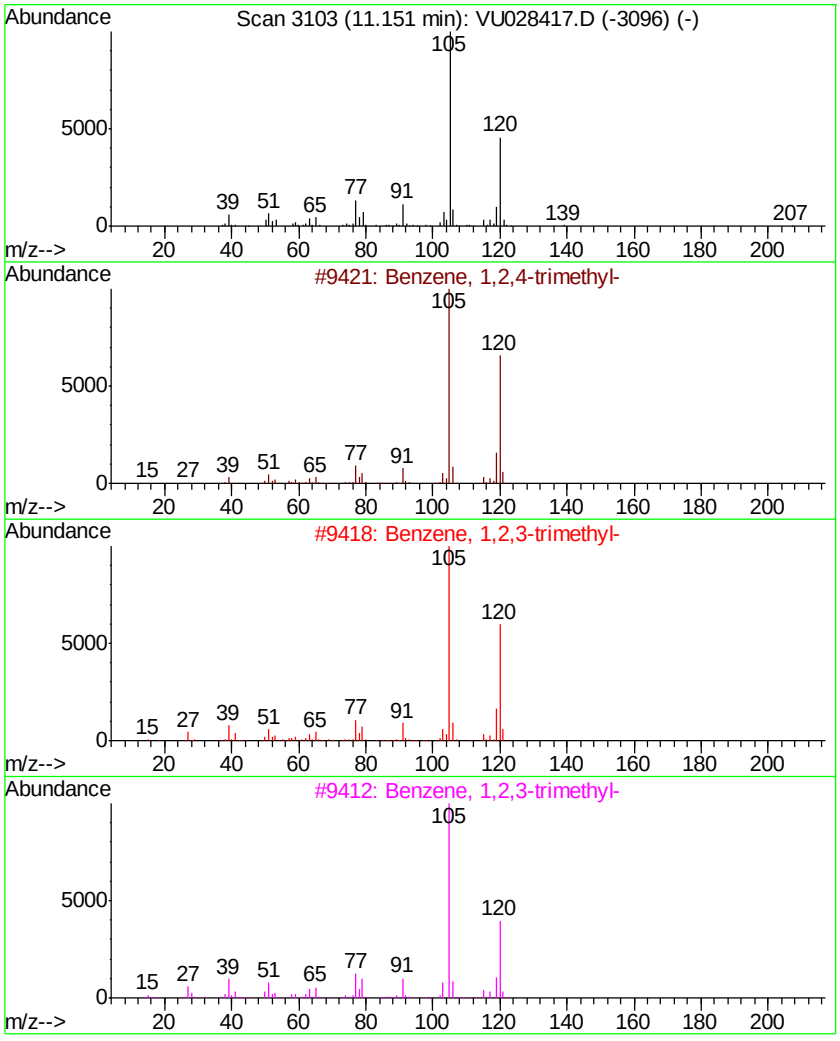
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

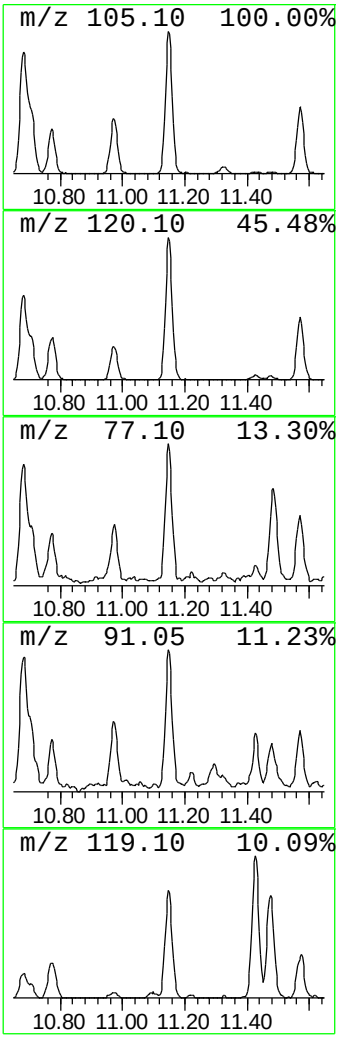
**********

Peak Number 54 Benzene, 1,2,4-trimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.15 | 11.70 ug/L | 305270 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 95 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 93 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

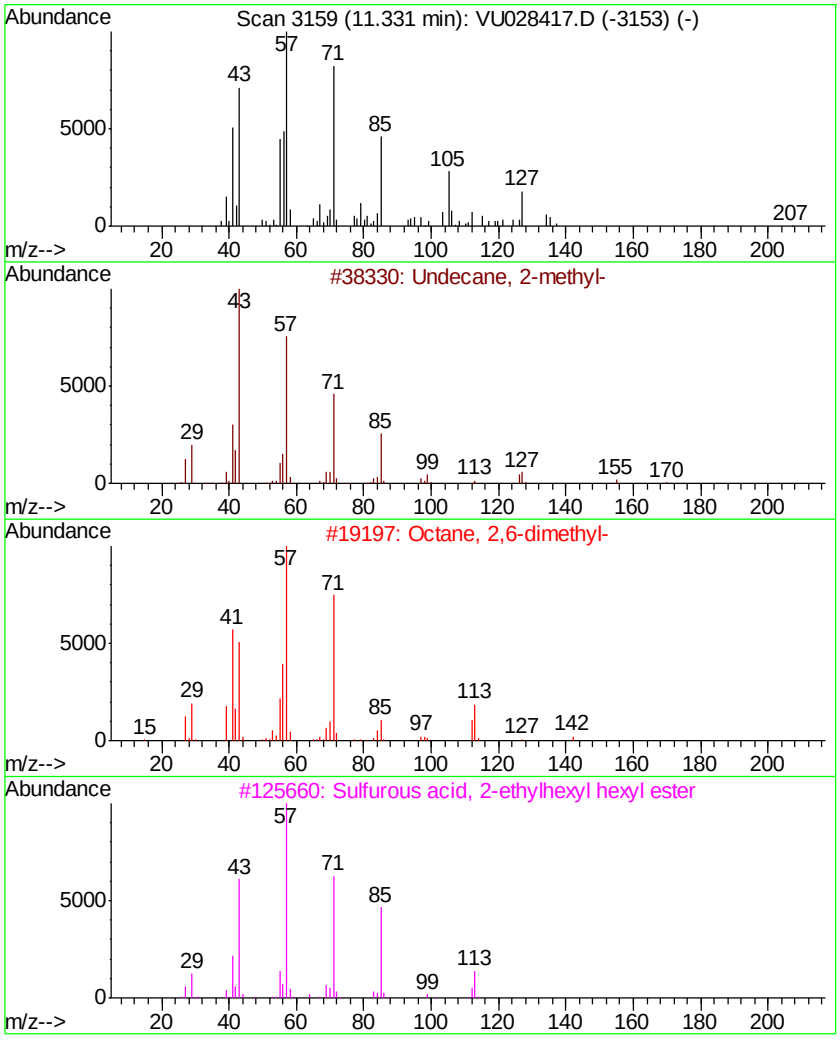
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

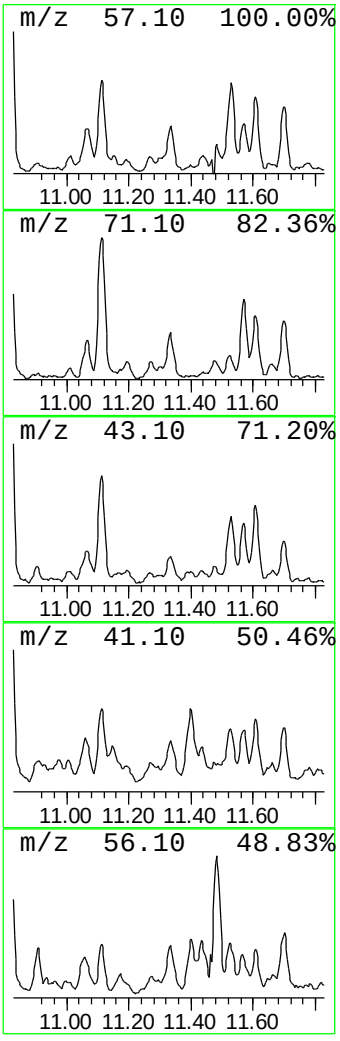
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 70

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.33 | 2.87 ug/L | 74770 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 2-methyl- | 170 | C12H26 | 007045-71-8 | 53 |
| 2 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 53 |
| 3 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 50 |
| 4 | Sulfurous acid, 2-ethylhexyl iso... | 278 | C14H30O3S | 1000309-19-0 | 50 |
| 5 | Butane, 2,2-dimethyl- | 86 | C6H14 | 000075-83-2 | 47 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

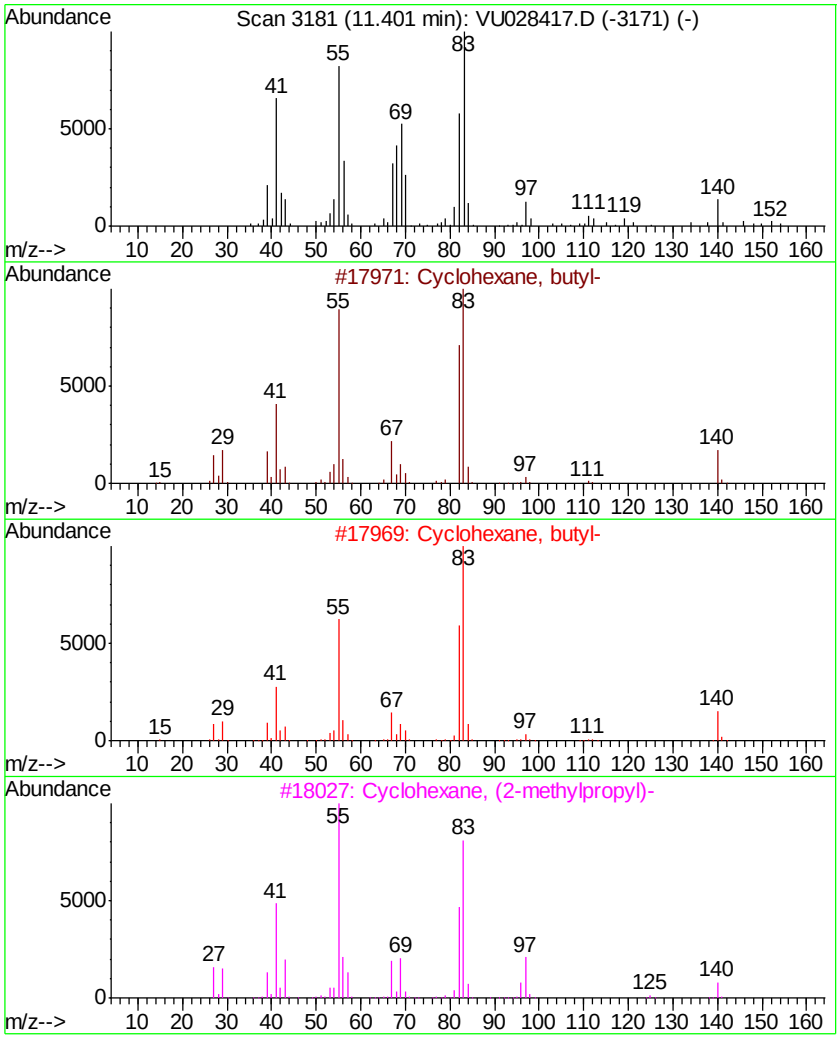
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

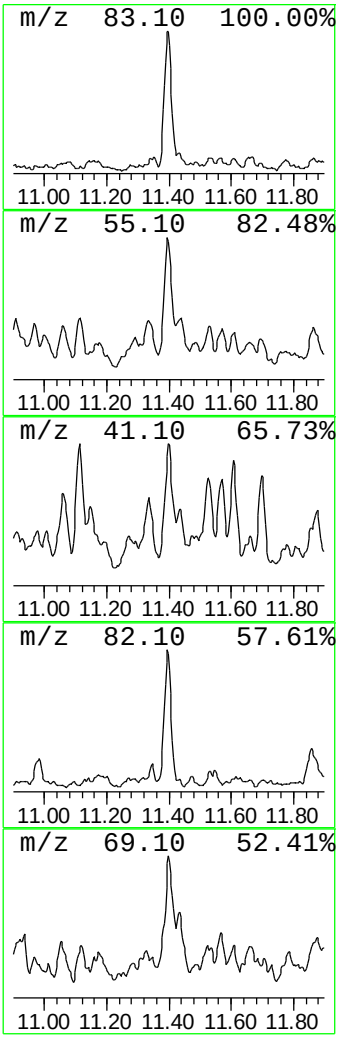
**********

Peak Number 56 (DEL) Alkane: Cyclic11.40 Concentration Rank 48

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.40 | 4.76 ug/L | 124312 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 64 |
| 2 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 64 |
| 3 | Cyclohexane, (2-methylpropyl)- | 140 | C10H20 | 001678-98-4 | 58 |
| 4 | Cyclohexane, (2-methylpropyl)- | 140 | C10H20 | 001678-98-4 | 58 |
| 5 | Cyclohexane, (1-methylpropyl)- | 140 | C10H20 | 007058-01-7 | 49 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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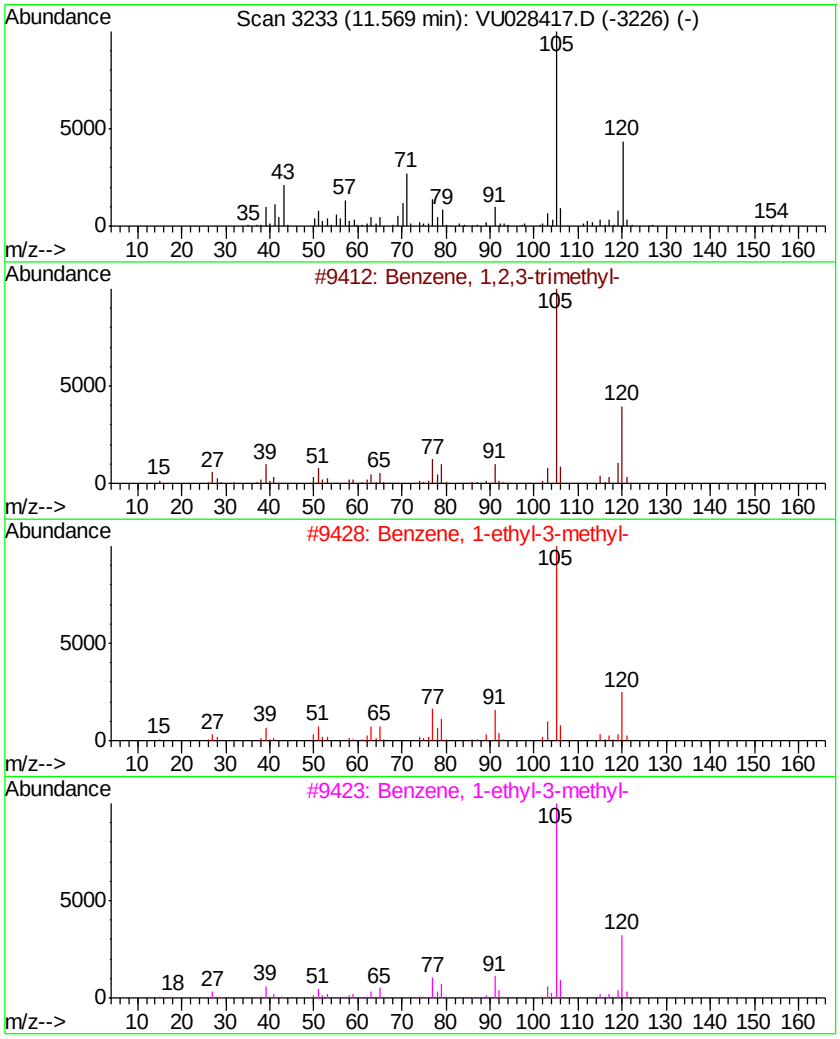
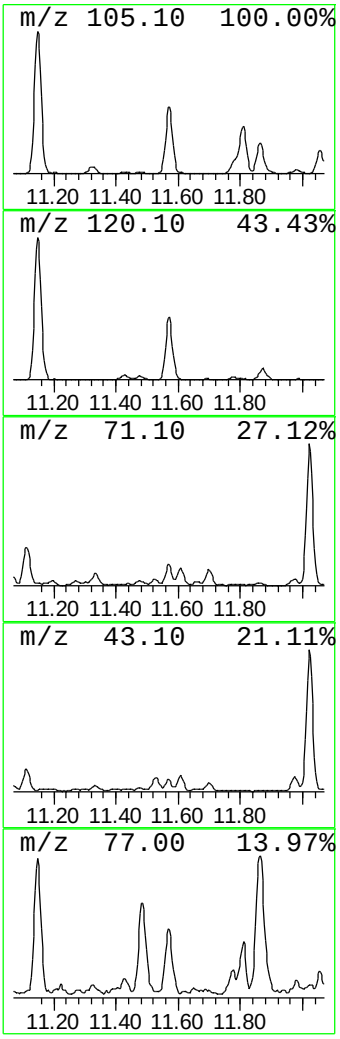
Peak Number 57 Benzene, 1,2,3-trimethyl- Concentration Rank 39

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.57 | 6.30 ug/L | 164327 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 90 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 87 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 87 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 87 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

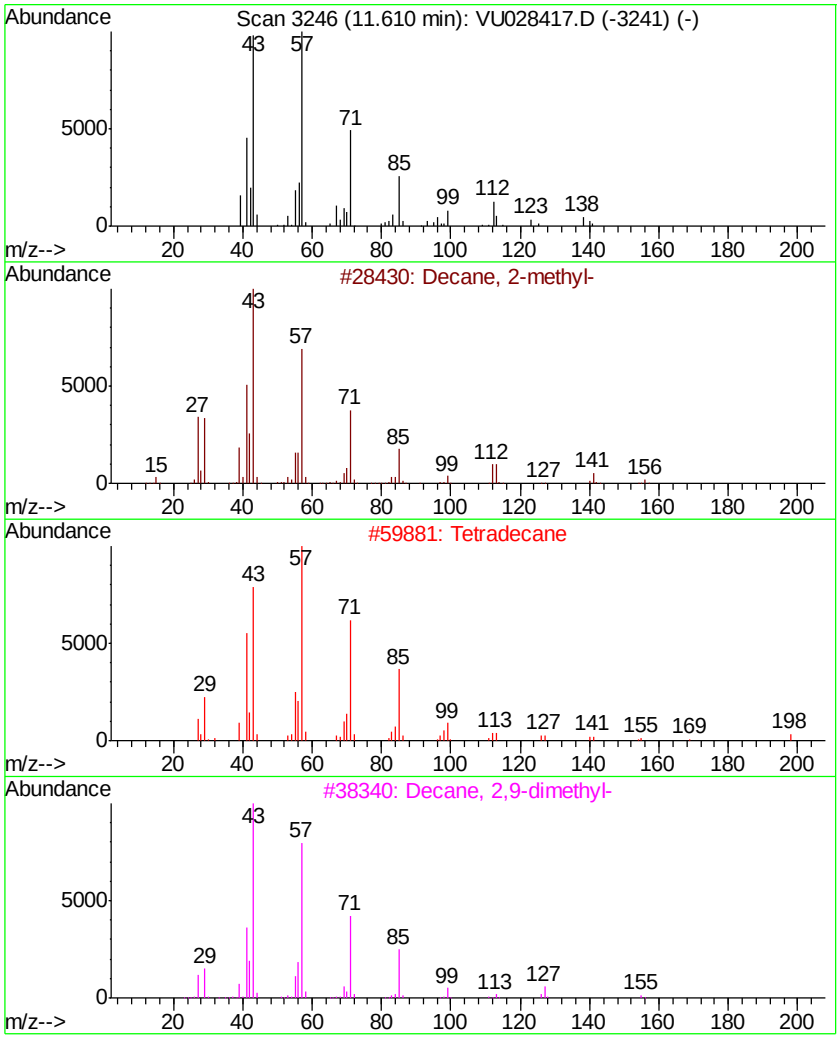
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

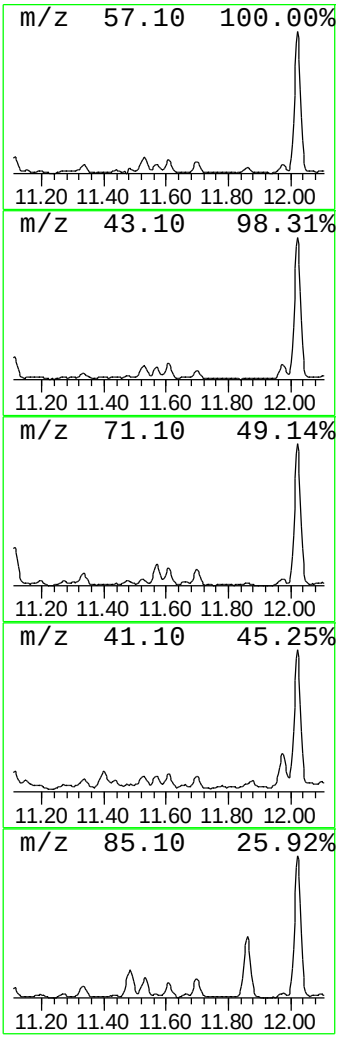
**********

Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 72

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.61 | 2.80 ug/L | 73100 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 64 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 64 |
| 3 | Decane, 2,9-dimethyl- | 170 | C12H26 | 001002-17-1 | 64 |
| 4 | 2,6-Dimethyldecane | 170 | C12H26 | 013150-81-7 | 59 |
| 5 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 59 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

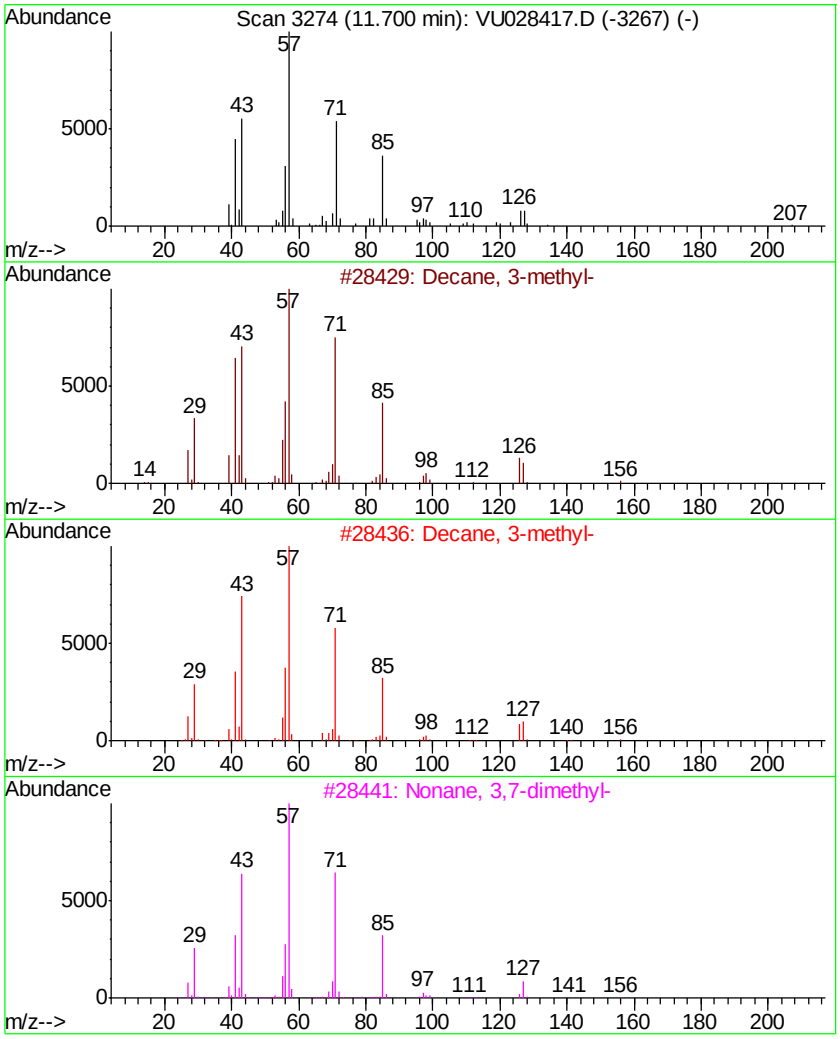
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

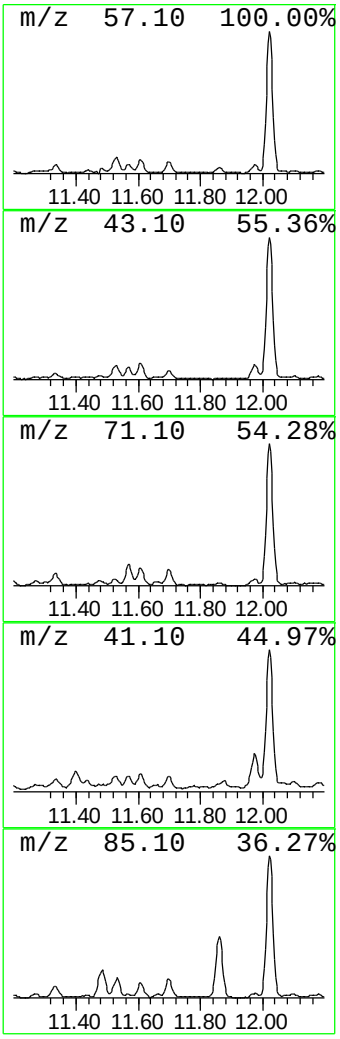
**********

Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 71

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.70 | 2.84 ug/L | 74150 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 3-methyl- | 156 | C11H24 | 013151-34-3 | 87 |
| 2 | Decane, 3-methyl- | 156 | C11H24 | 013151-34-3 | 72 |
| 3 | Nonane, 3,7-dimethyl- | 156 | C11H24 | 017302-32-8 | 72 |
| 4 | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 64 |
| 5 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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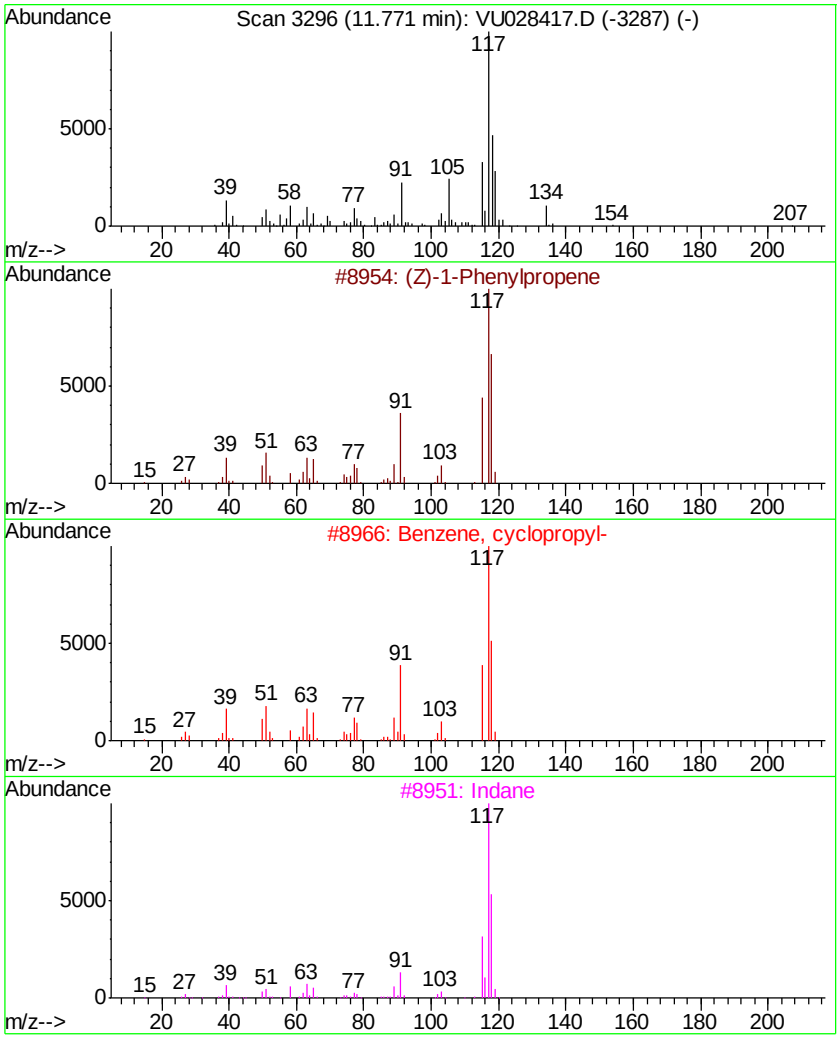
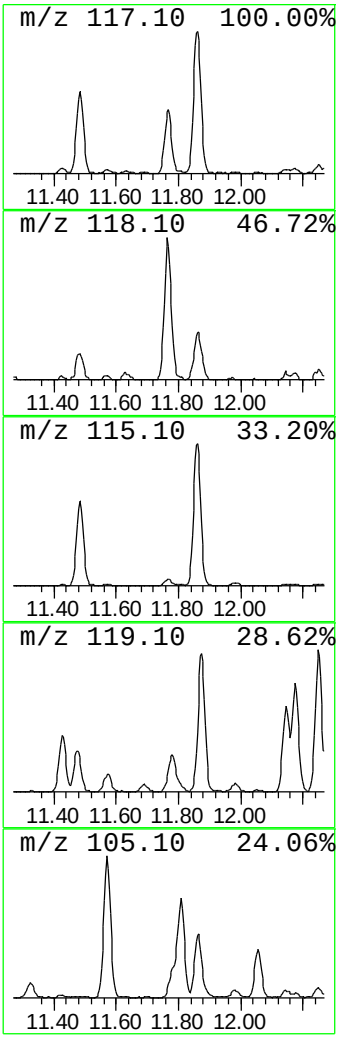
Peak Number 60 (Z)-1-Phenylpropene Concentration Rank 45

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.77 | 5.04 ug/L | 131611 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (Z)-1-Phenylpropene | 118 | C9H10 | 000766-90-5 | 83 |
| 2 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 64 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 53 |
| 4 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 52 |
| 5 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 52 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

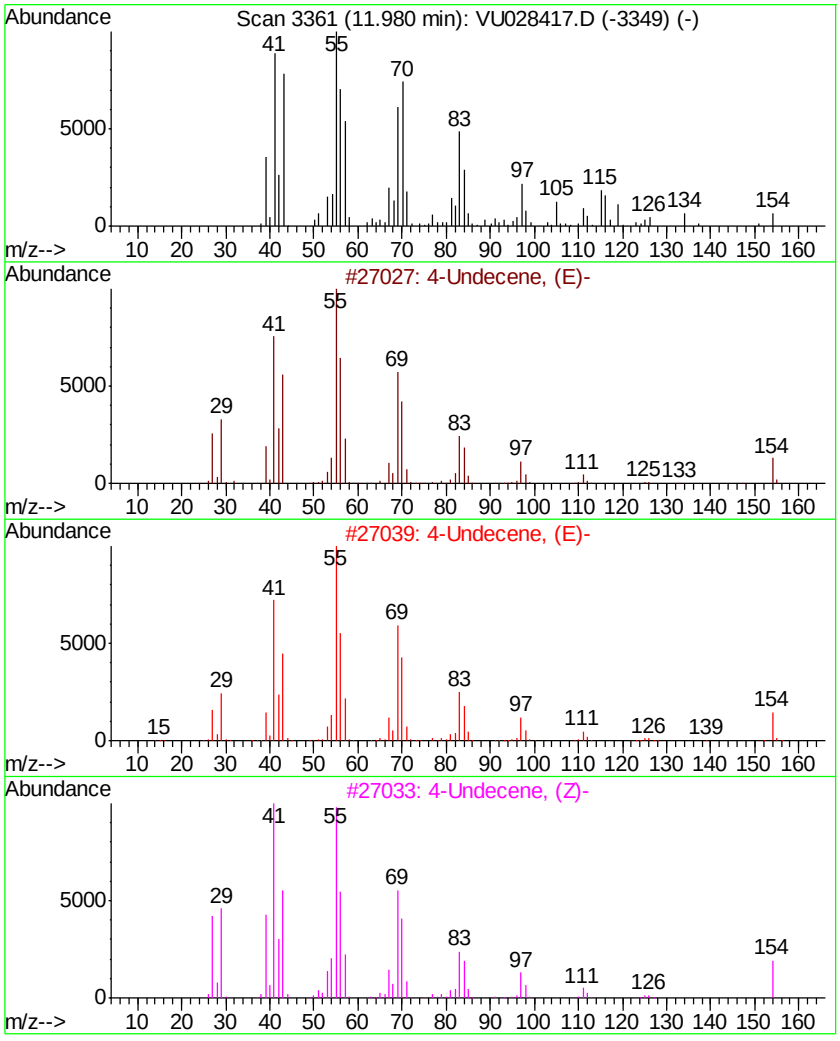
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

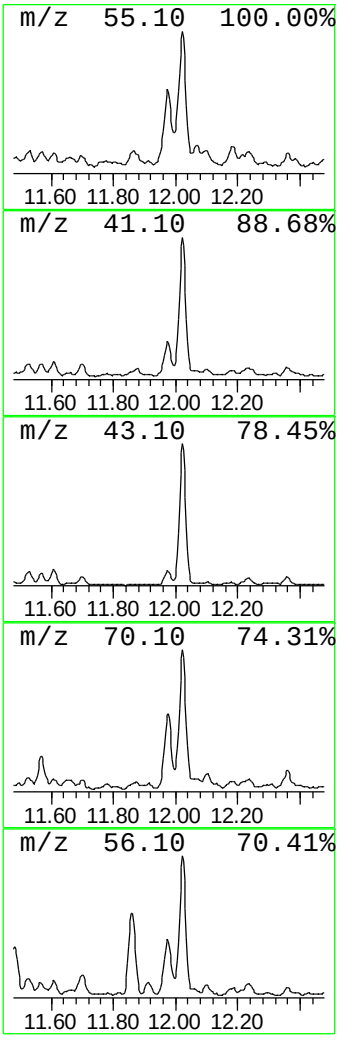
**********

Peak Number 61 (DEL) Alkane: Cyclic11.98 Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.98 | 8.70 ug/L | 226995 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Undecene, (E)- | 154 | C11H22 | 000693-62-9 | 90 |
| 2 | 4-Undecene, (E)- | 154 | C11H22 | 000693-62-9 | 90 |
| 3 | 4-Undecene, (Z)- | 154 | C11H22 | 000821-98-7 | 87 |
| 4 | 1-Undecene | 154 | C11H22 | 000821-95-4 | 83 |
| 5 | 3-Undecene, (Z)- | 154 | C11H22 | 000821-97-6 | 81 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

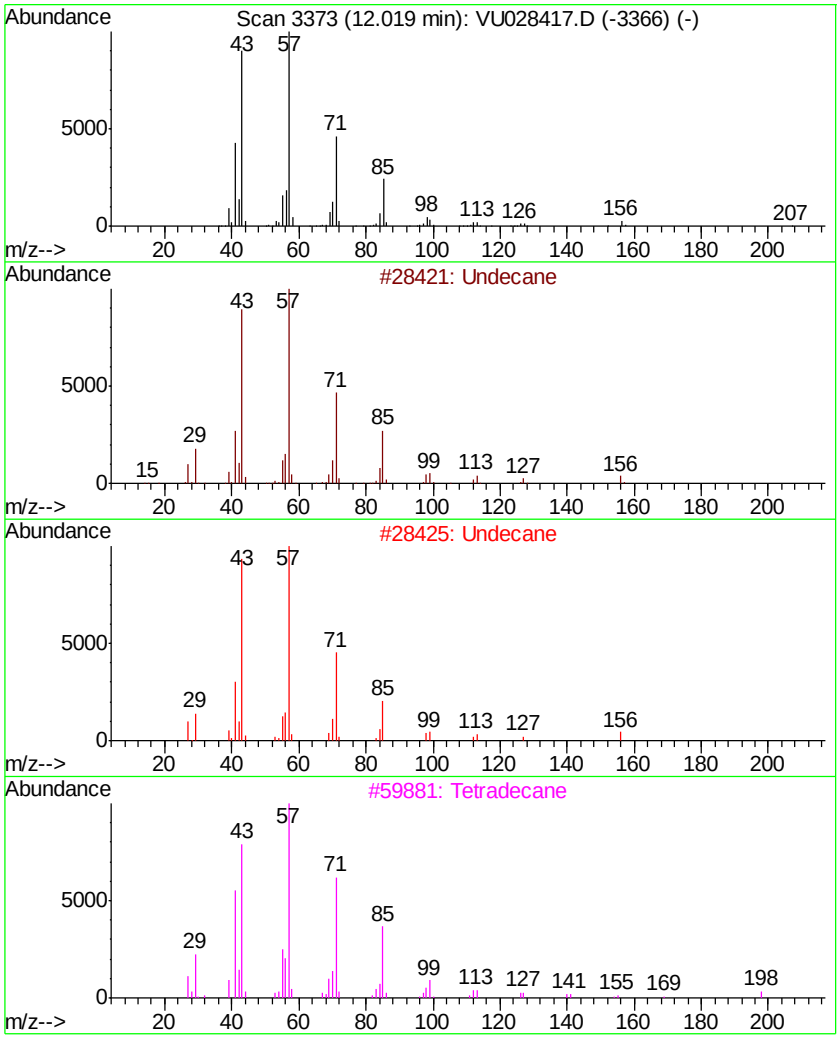
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

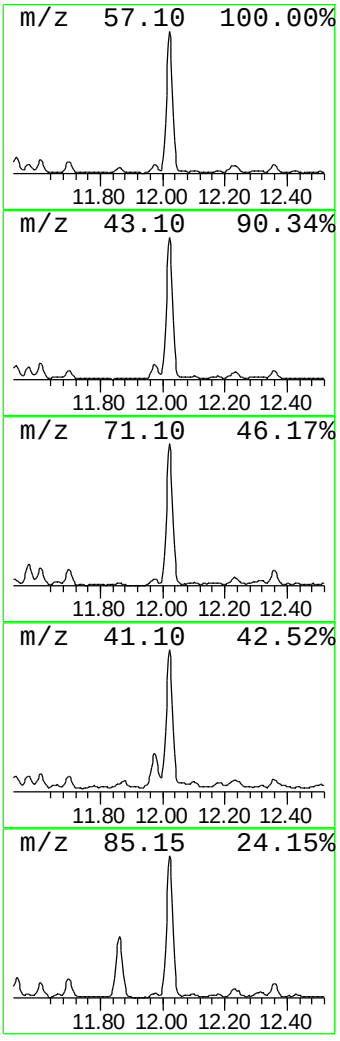
**********

Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.02 | 28.90 ug/L | 754285 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane | 156 | C11H24 | 001120-21-4 | 91 |
| 2 | Undecane | 156 | C11H24 | 001120-21-4 | 91 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 4 | Decane, 2,4-dimethyl- | 170 | C12H26 | 002801-84-5 | 80 |
| 5 | Tridecane | 184 | C13H28 | 000629-50-5 | 78 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

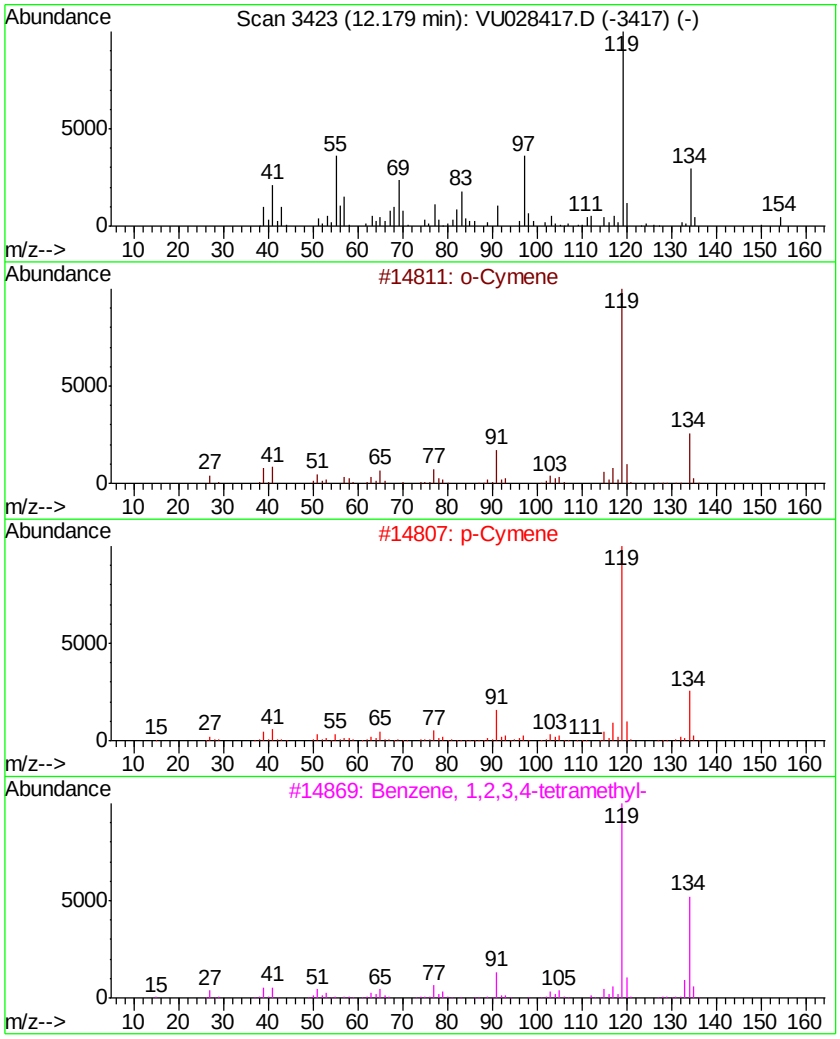
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

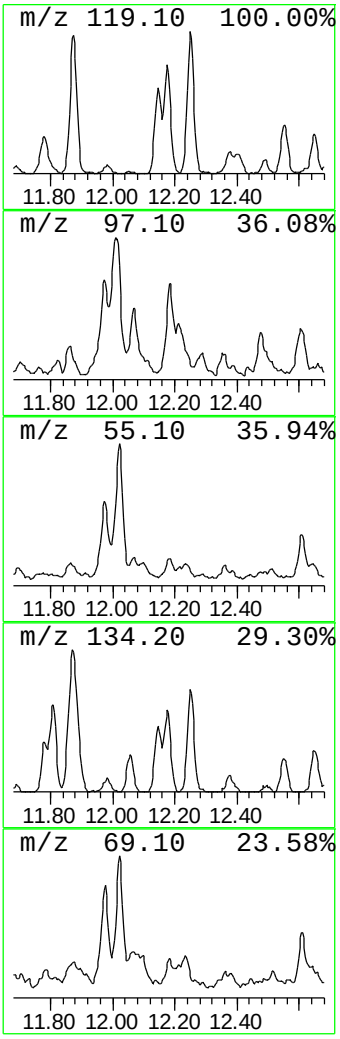
**********

Peak Number 63 o-Cymene Concentration Rank 66

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.18 | 3.15 ug/L | 82101 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 93 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 81 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 76 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 76 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 76 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

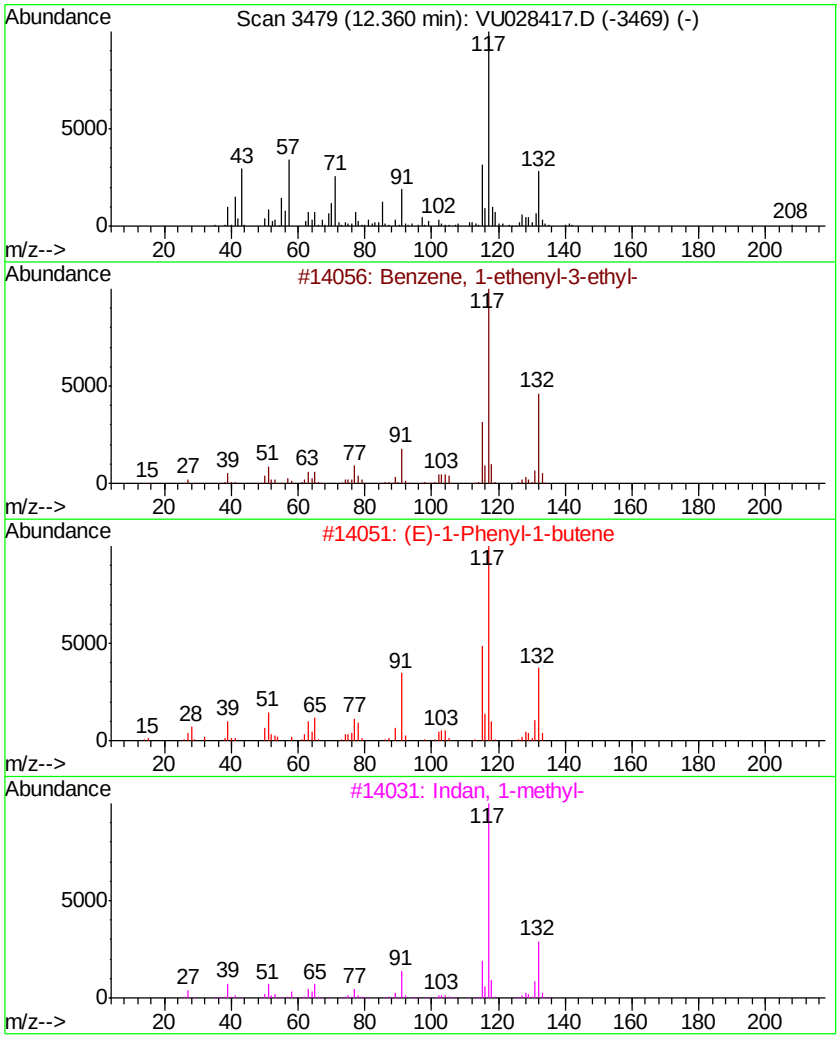
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

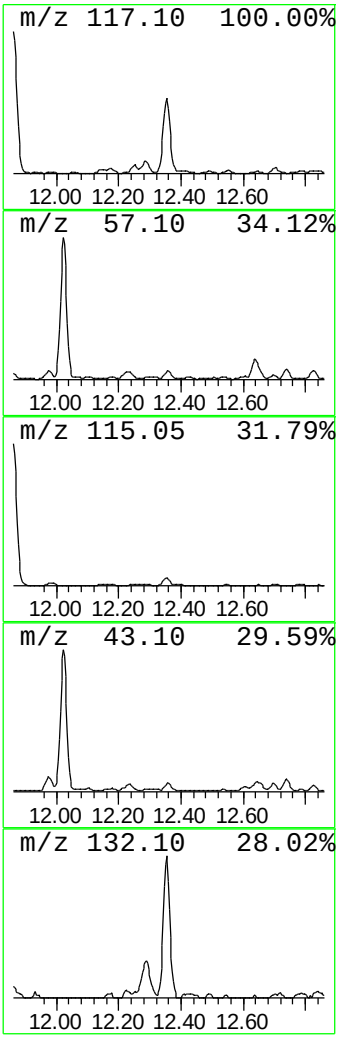
**********

Peak Number 64 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.36 | 6.44 ug/L | 168180 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 81 |
| 2 | (E)-1-Phenyl-1-butene | 132 | C10H12 | 001005-64-7 | 81 |
| 3 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 76 |
| 4 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 70 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

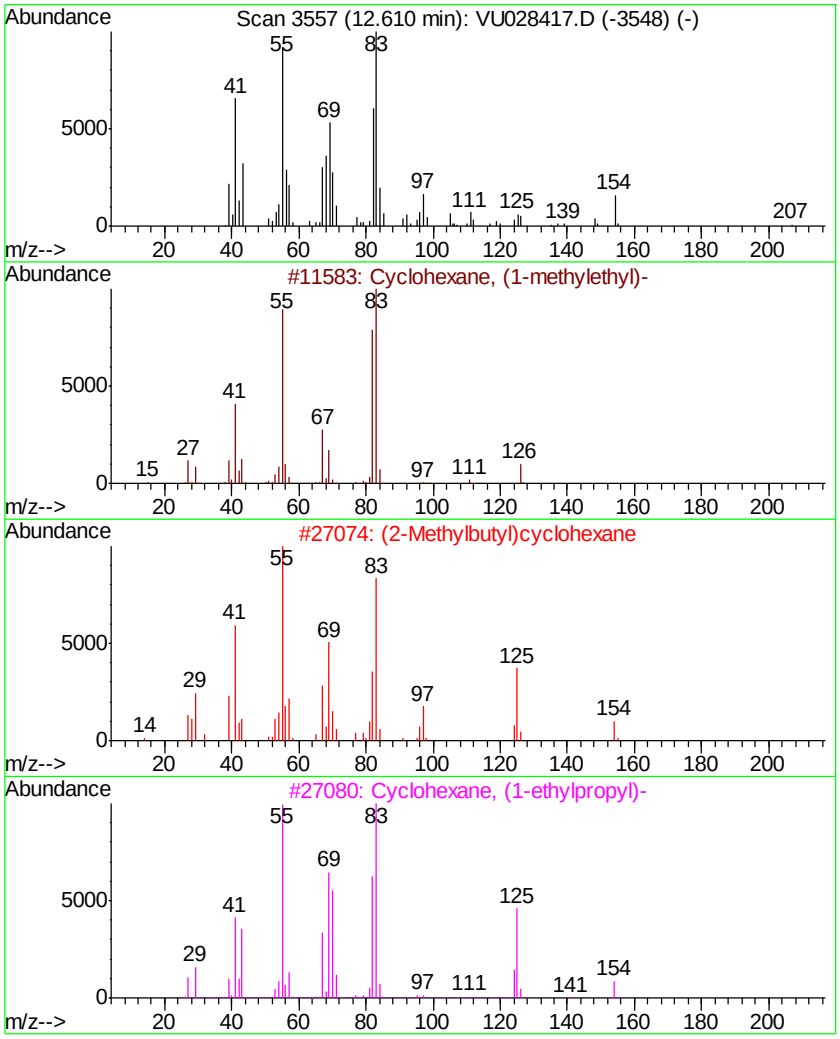
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

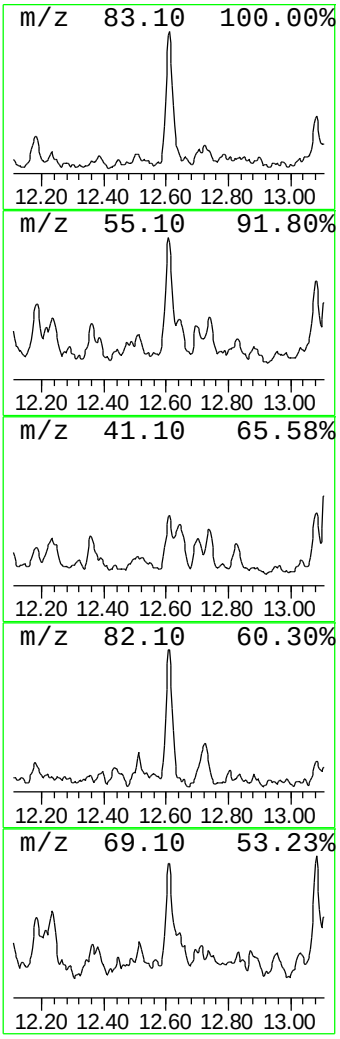
**********

Peak Number 65 (DEL) Alkane: Cyclic12.61 Concentration Rank 58

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.61 | 3.86 ug/L | 100602 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 62 |
| 2 | (2-Methylbutyl)cyclohexane | 154 | C11H22 | 054105-77-0 | 62 |
| 3 | Cyclohexane, (1-ethylpropyl)- | 154 | C11H22 | 026321-98-2 | 58 |
| 4 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 58 |
| 5 | Cyclohexanone, 3,3,5,5-tetramethyl- | 154 | C10H18O | 014376-79-5 | 46 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

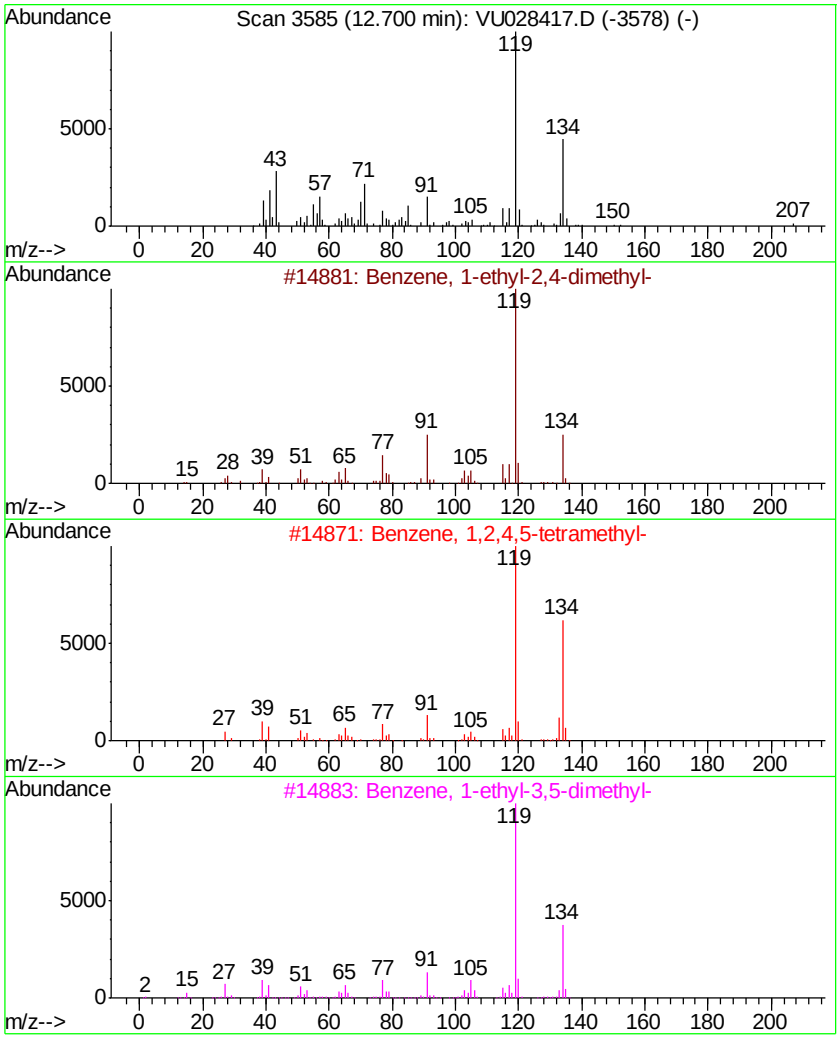
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

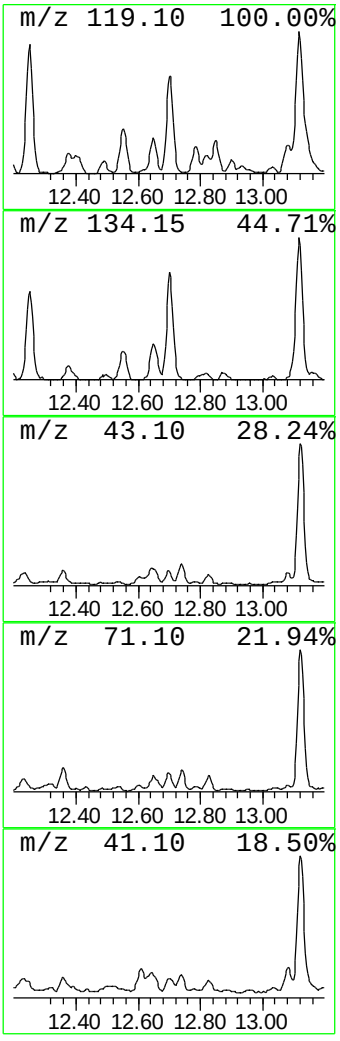
**********

Peak Number 66 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 47

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.70 | 4.80 ug/L | 125188 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 93 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 81 |
| 3 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 81 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 81 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 81 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

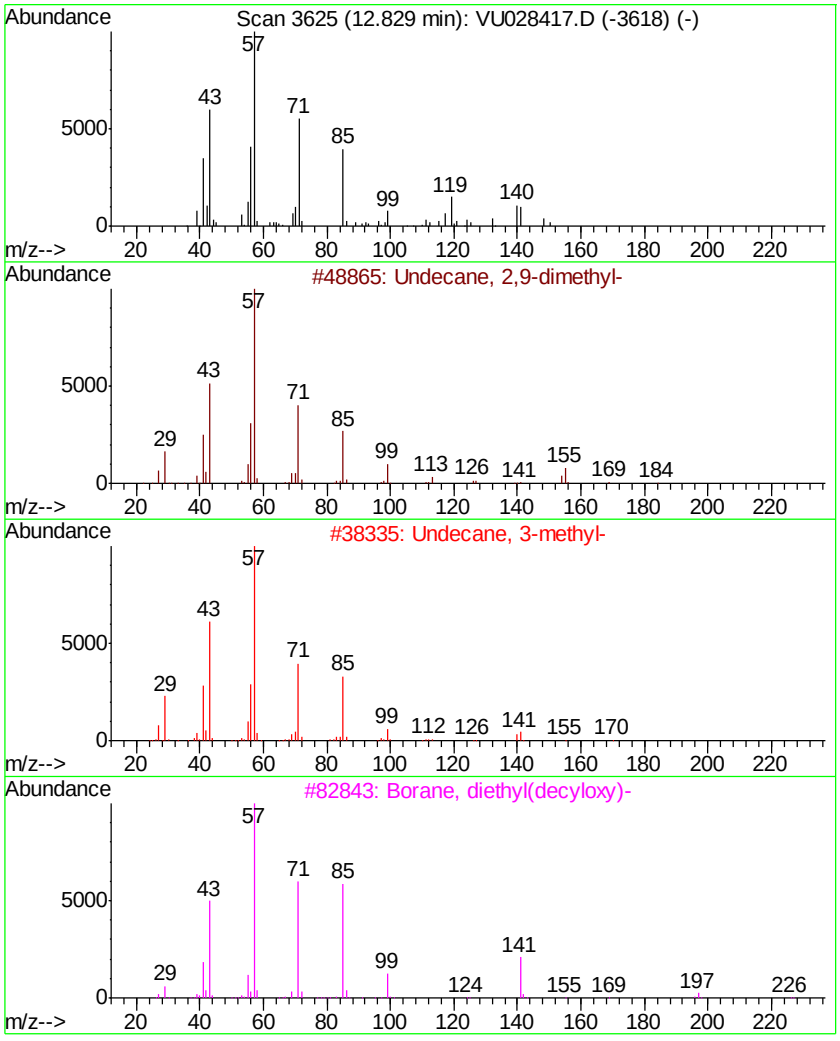
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

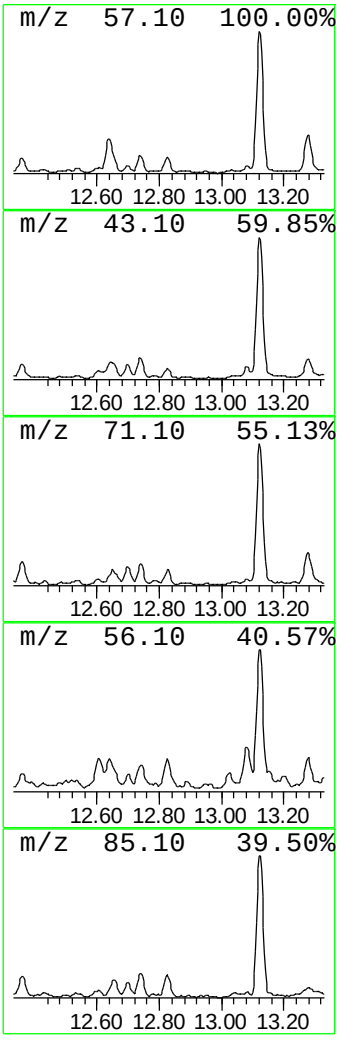
**********

Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 73

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.83 | 2.66 ug/L | 69436 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 2,9-dimethyl- | 184 | C13H28 | 017301-26-7 | 59 |
| 2 | Undecane, 3-methyl- | 170 | C12H26 | 001002-43-3 | 53 |
| 3 | Borane, diethyl(decyloxy)- | 226 | C14H31BO | 1000152-34-3 | 47 |
| 4 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 47 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 47 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

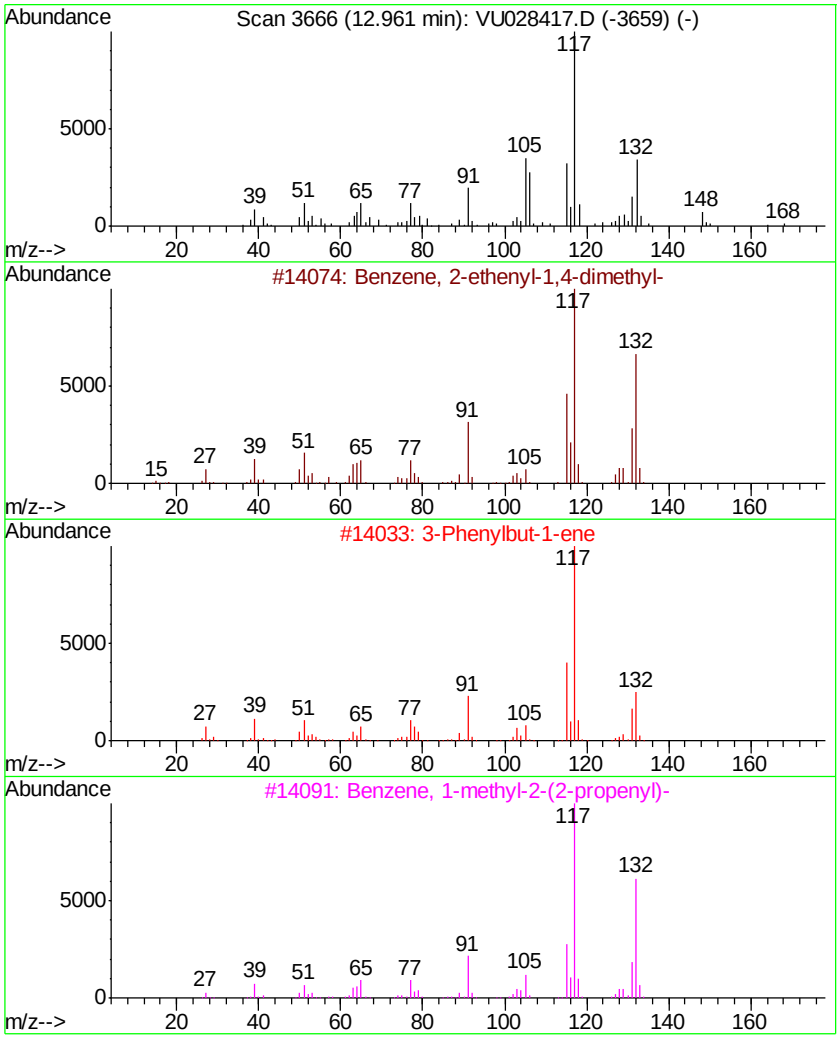
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

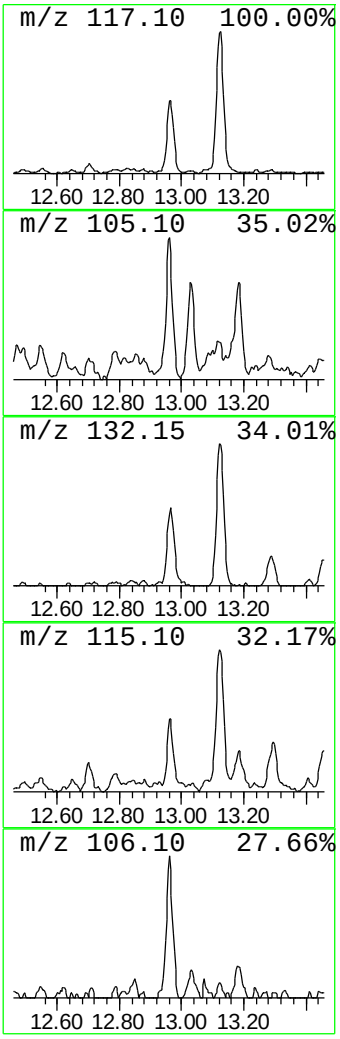
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 68 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 65

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.96 | 3.28 ug/L | 85536 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 91 |
| 2 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 81 |
| 3 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 81 |
| 4 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000767-99-7 | 76 |
| 5 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 76 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

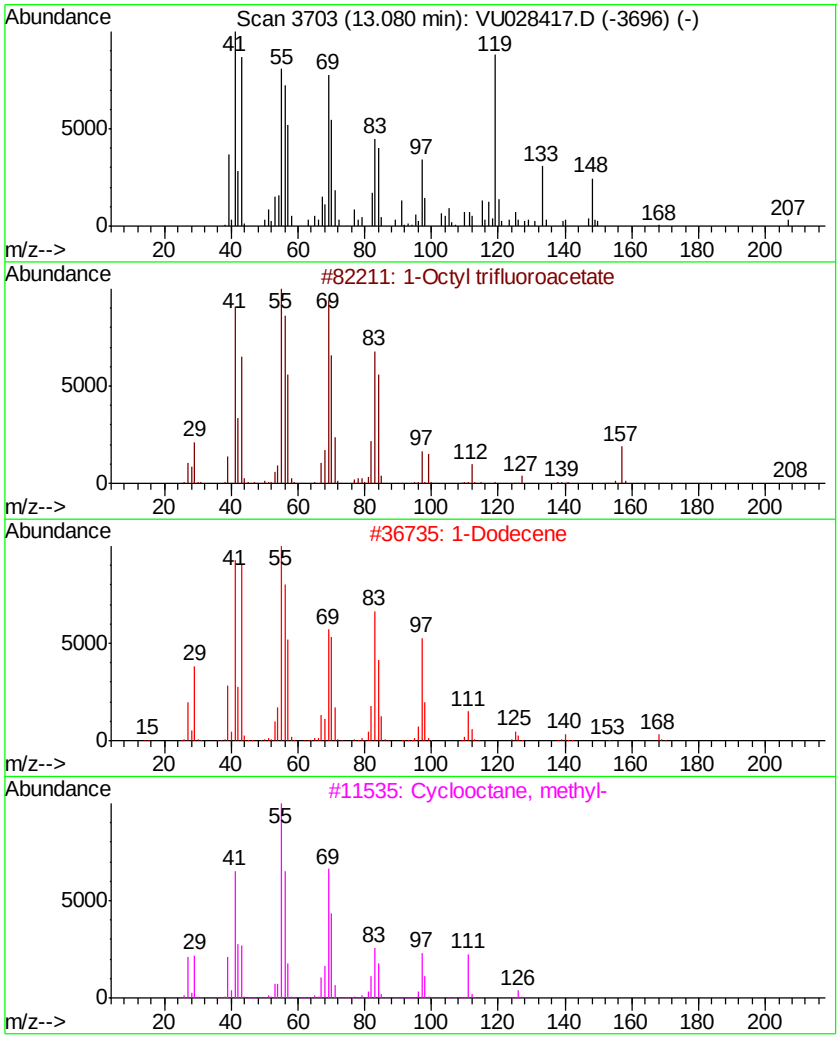
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

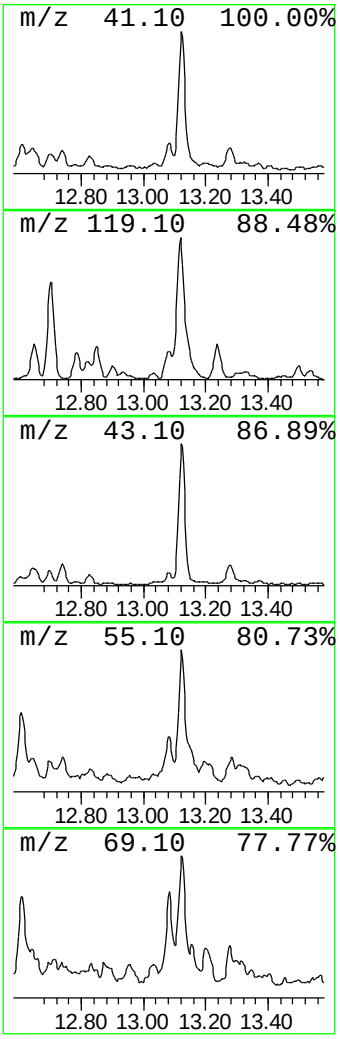
**********

Peak Number 69 1-Octyl trifluoroacetate Concentration Rank 61

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.08 | 3.47 ug/L | 90674 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Octyl trifluoroacetate | 226 | C10H17F3O2 | 002561-21-9 | 58 |
| 2 | 1-Dodecene | 168 | C12H24 | 000112-41-4 | 53 |
| 3 | Cyclooctane, methyl- | 126 | C9H18 | 001502-38-1 | 53 |
| 4 | 2-Dodecene, (Z)- | 168 | C12H24 | 007206-26-0 | 46 |
| 5 | 7-Tetradecene, (E)- | 196 | C14H28 | 041446-63-3 | 46 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

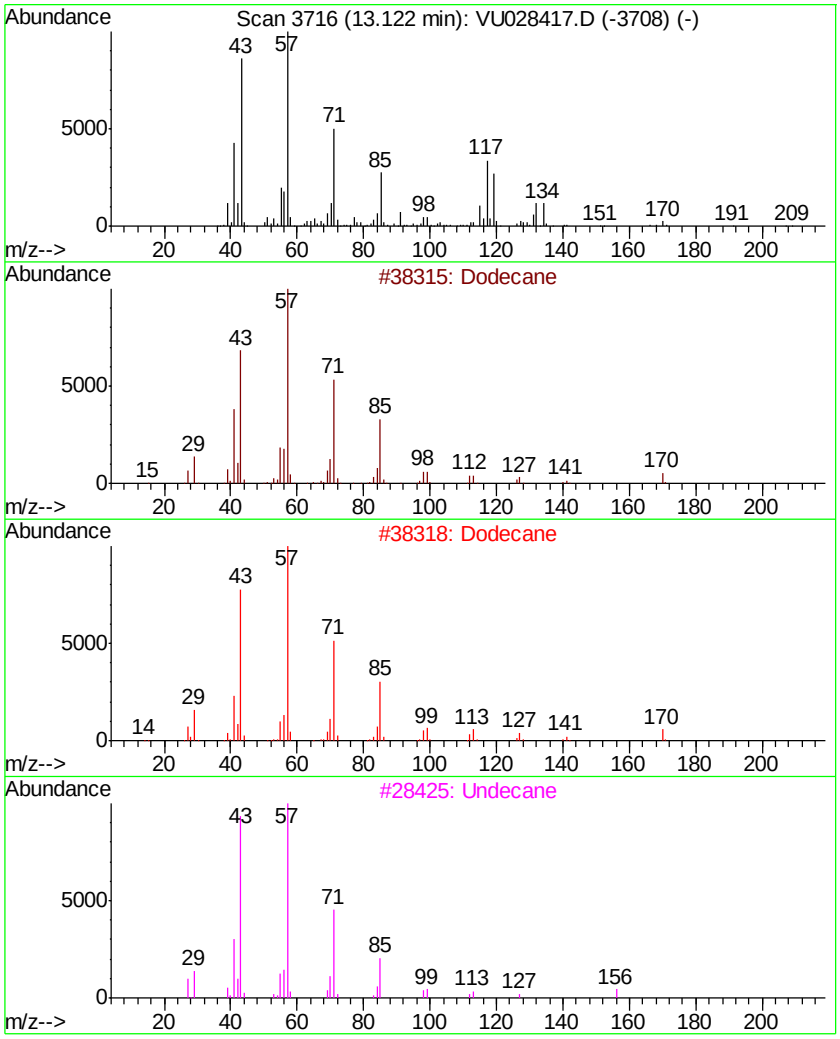
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

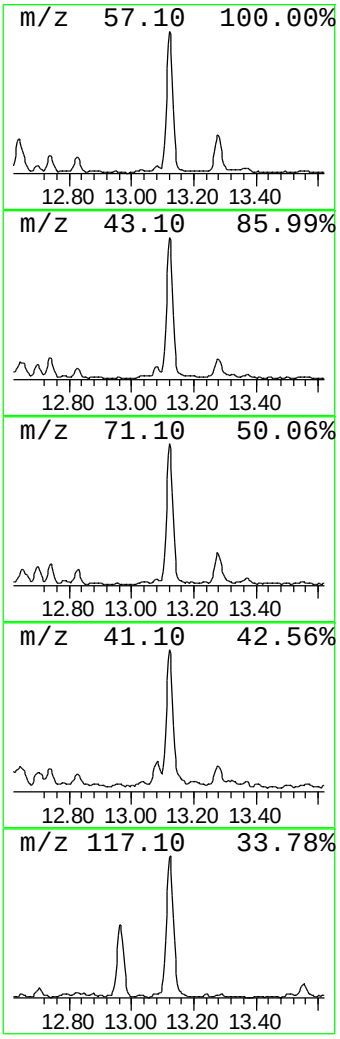
**********

Peak Number 70 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.12 | 28.24 ug/L | 736815 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane | 170 | C12H26 | 000112-40-3 | 70 |
| 2 | Dodecane | 170 | C12H26 | 000112-40-3 | 55 |
| 3 | Undecane | 156 | C11H24 | 001120-21-4 | 43 |
| 4 | Heptane, 3,4-dimethyl- | 128 | C9H20 | 000922-28-1 | 43 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

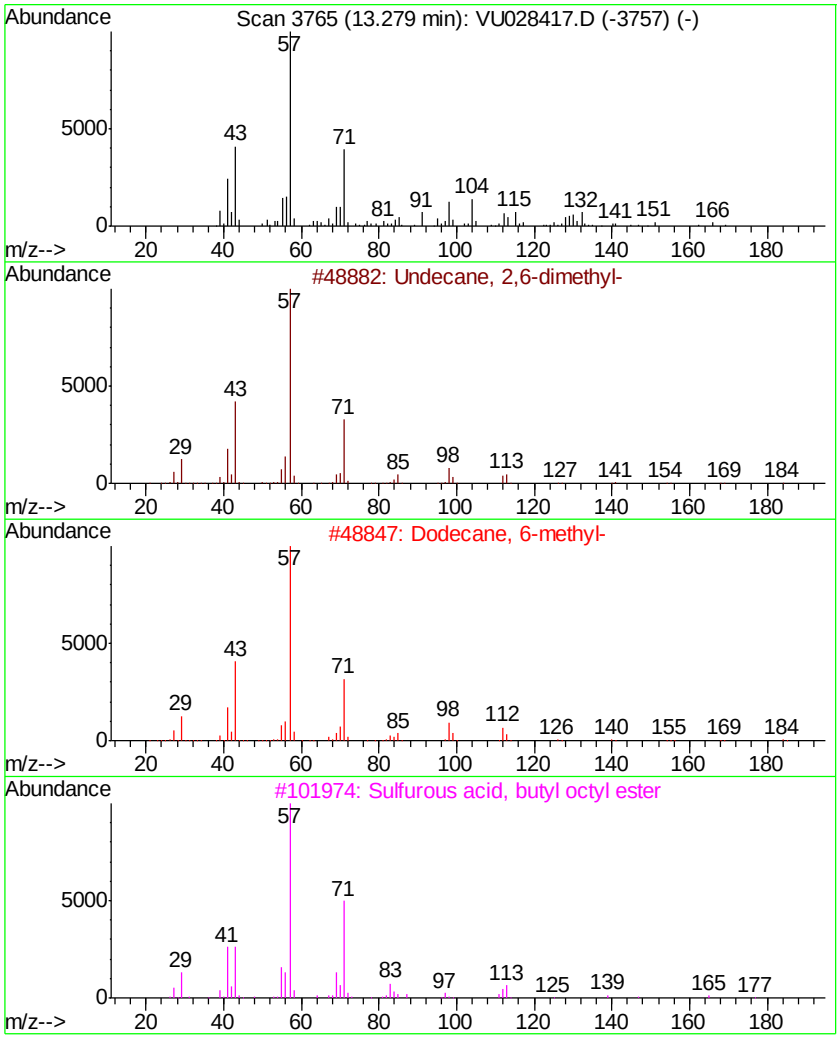
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

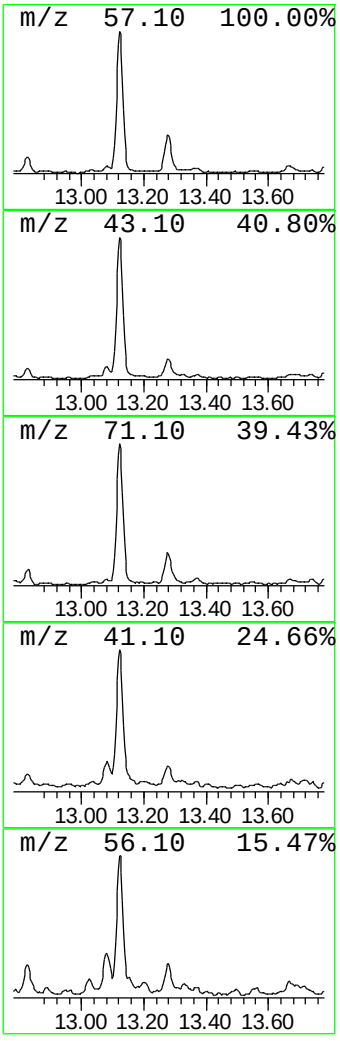
**********

Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.28 | 7.56 ug/L | 197341 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 2,6-dimethyl- | 184 | C13H28 | 017301-23-4 | 58 |
| 2 | Dodecane, 6-methyl- | 184 | C13H28 | 006044-71-9 | 58 |
| 3 | Sulfurous acid, butyl octyl ester | 250 | C12H26O3S | 1000309-17-5 | 49 |
| 4 | Undecane, 2,6-dimethyl- | 184 | C13H28 | 017301-23-4 | 49 |
| 5 | Sulfurous acid, butyl 2-ethylhex... | 250 | C12H26O3S | 1000309-18-8 | 47 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

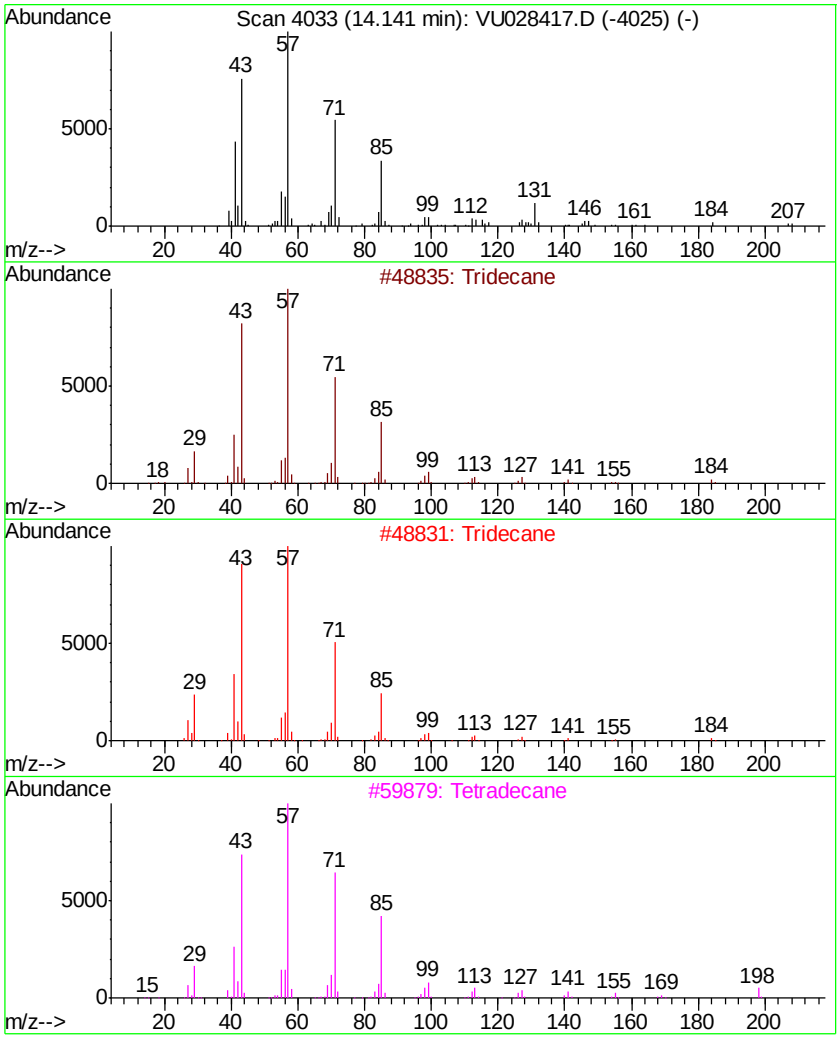
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

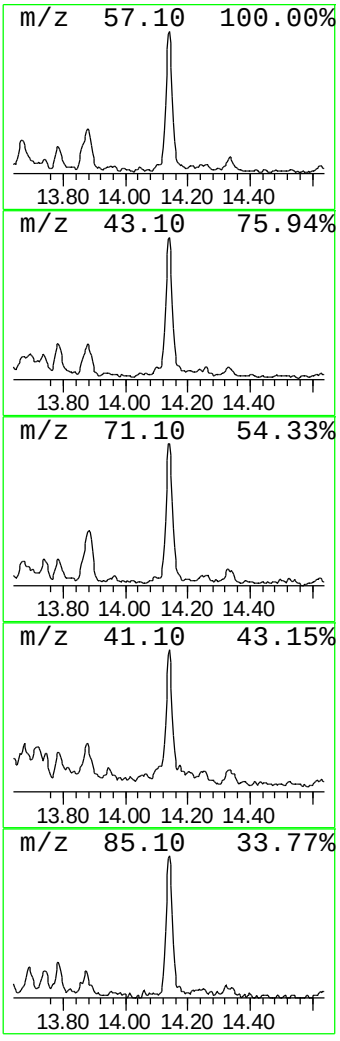
**********

Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 44

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.14 | 5.52 ug/L | 144121 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 95 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 93 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 80 |
| 4 | Dodecane | 170 | C12H26 | 000112-40-3 | 80 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 74 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

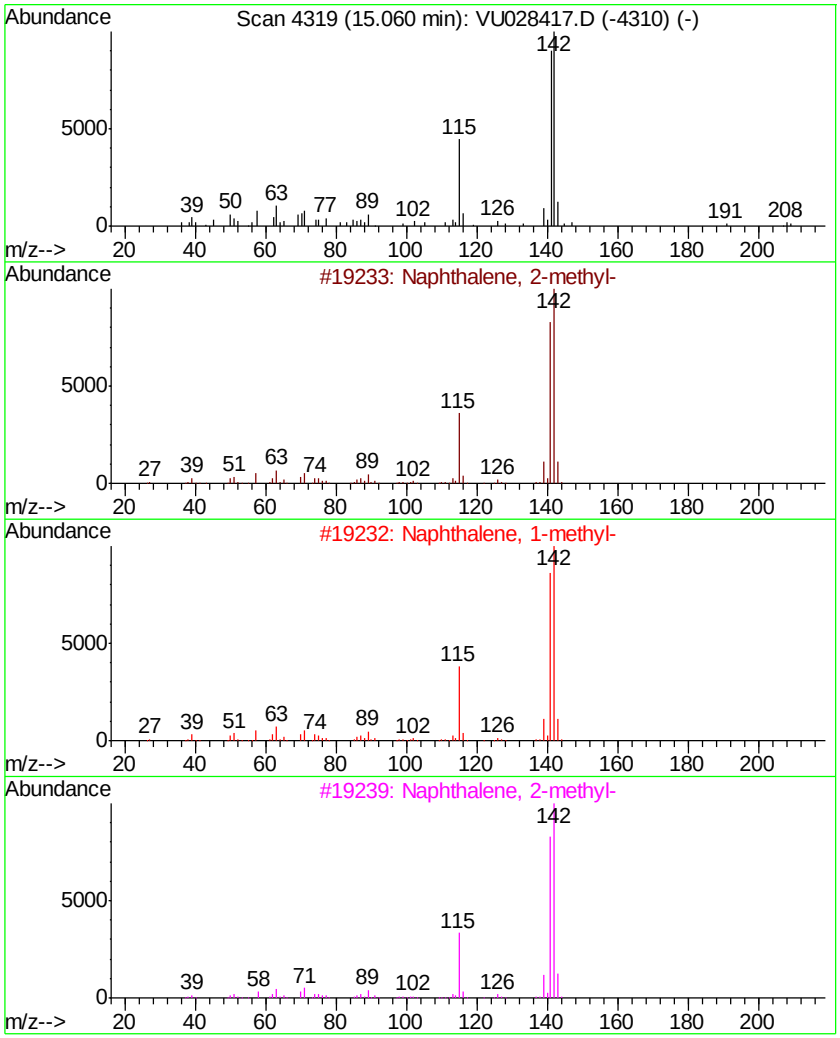
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

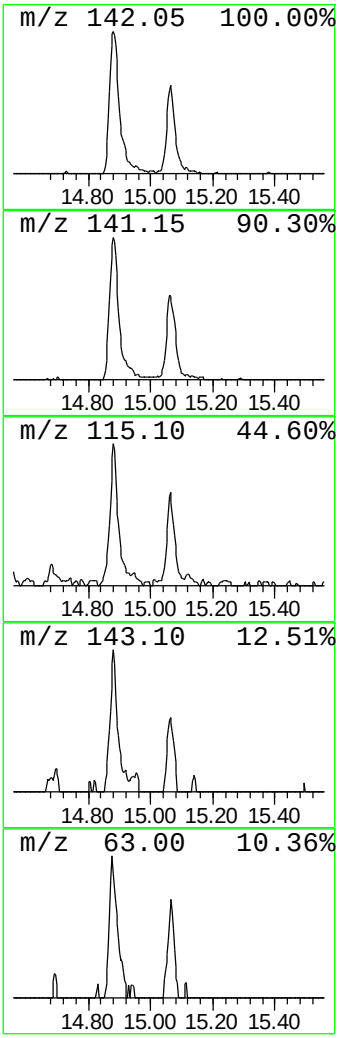
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.06 | 2.61 ug/L | 68236 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 97 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 95 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 95 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 94 |
| 5 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 94 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028417.D
Acq On : 30 Nov 2018 12:50
Operator : MD/SY
Sample : J6077-06
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9Y41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.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: Cyc... | 1.84 | 5.5 | ug/L | 104214 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Str... | 1.88 | 24.4 | ug/L | 458752 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 2.00 | 3.4 | ug/L | 63103 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 2.14 | 4.8 | ug/L | 89523 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 2.60 | 3.0 | ug/L | 56726 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Str... | 2.71 | 13.8 | ug/L | 260039 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 2.76 | 4.6 | ug/L | 87357 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Str... | 2.96 | 8.4 | ug/L | 157792 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 3.18 | 12.6 | ug/L | 237085 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Str... | 3.28 | 33.2 | ug/L | 625055 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 3.53 | 3.8 | ug/L | 72064 | 1 | 5.88 | 941613 | 50.0 |
| Cyclobutene, 3,3-... | 3.71 | 3.1 | ug/L | 58219 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 4.07 | 18.1 | ug/L | 340861 | 1 | 5.88 | 941613 | 50.0 |
| Cyclopentene, 1-m... | 4.76 | 7.7 | ug/L | 145352 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Str... | 5.06 | 6.9 | ug/L | 130270 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Str... | 5.21 | 14.4 | ug/L | 271938 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 5.47 | 7.2 | ug/L | 134623 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 5.54 | 4.4 | ug/L | 82511 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 5.61 | 11.1 | ug/L | 208979 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 5.66 | 11.2 | ug/L | 210213 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Str... | 5.77 | 46.2 | ug/L | 870140 | 1 | 5.88 | 941613 | 50.0 |
| 1,3-Pentadiene, 2... | 6.21 | 4.6 | ug/L | 86870 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 6.63 | 7.7 | ug/L | 144996 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 6.73 | 4.4 | ug/L | 82192 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 6.90 | 7.2 | ug/L | 136286 | 1 | 5.88 | 941613 | 50.0 |
| Cyclopentene, 1,5... | 7.06 | 8.6 | ug/L | 161528 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Str... | 7.17 | 14.7 | ug/L | 276084 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Str... | 7.34 | 6.2 | ug/L | 116486 | 1 | 5.88 | 941613 | 50.0 |
| Cyclohexene, 1-me... | 7.42 | 9.5 | ug/L | 178899 | 1 | 5.88 | 941613 | 50.0 |
| (DEL) Alkane: Cyc... | 7.72 | 10.5 | ug/L | 251600 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Cyc... | 7.91 | 7.1 | ug/L | 170573 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Cyc... | 8.04 | 3.3 | ug/L | 79379 | 2 | 9.09 | 1194250 | 50.0 |
| Cyclopentene, 1,2... | 8.09 | 3.0 | ug/L | 71049 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Cyc... | 8.49 | 4.2 | ug/L | 99626 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Cyc... | 8.54 | 6.7 | ug/L | 160184 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Cyc... | 8.60 | 4.4 | ug/L | 104150 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Cyc... | 8.75 | 6.2 | ug/L | 147351 | 2 | 9.09 | 1194250 | 50.0 |
| Ether, hexyl pentyl | 8.91 | 6.5 | ug/L | 154714 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Str... | 9.03 | 9.2 | ug/L | 220748 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Str... | 9.44 | 38.6 | ug/L | 921992 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Cyc... | 9.56 | 3.9 | ug/L | 93966 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Cyc... | 9.71 | 6.0 | ug/L | 144325 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Str... | 9.95 | 11.6 | ug/L | 277473 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Cyc... | 10.04 | 7.0 | ug/L | 167940 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Str... | 10.25 | 2.6 | ug/L | 62804 | 2 | 9.09 | 1194250 | 50.0 |
| (DEL) Alkane: Str... | 10.32 | 6.6 | ug/L | 171699 | 3 | 11.48 | 1304770 | 50.0 |
| Benzene, 1-ethyl-... | 10.68 | 14.3 | ug/L | 372446 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Cyc... | 10.75 | 14.8 | ug/L | 384909 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Str... | 10.81 | 35.0 | ug/L | 913963 | 3 | 11.48 | 1304770 | 50.0 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Mesitylene | 10.97 | 4.8 | ug/L | 126681 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Str... | 11.11 | 4.0 | ug/L | 104749 | 3 | 11.48 | 1304770 | 50.0 |
| Benzene, 1,2,4-tr... | 11.15 | 11.7 | ug/L | 305270 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Str... | 11.33 | 2.9 | ug/L | 74770 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Cyc... | 11.40 | 4.8 | ug/L | 124312 | 3 | 11.48 | 1304770 | 50.0 |
| Benzene, 1,2,3-tr... | 11.57 | 6.3 | ug/L | 164327 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Str... | 11.61 | 2.8 | ug/L | 73100 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Str... | 11.70 | 2.8 | ug/L | 74150 | 3 | 11.48 | 1304770 | 50.0 |
| (Z)-1-Phenylpropene | 11.77 | 5.0 | ug/L | 131611 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Cyc... | 11.98 | 8.7 | ug/L | 226995 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Str... | 12.02 | 28.9 | ug/L | 754285 | 3 | 11.48 | 1304770 | 50.0 |
| o-Cymene | 12.18 | 3.1 | ug/L | 82101 | 3 | 11.48 | 1304770 | 50.0 |
| Benzene, 1-etheny... | 12.36 | 6.4 | ug/L | 168180 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Cyc... | 12.61 | 3.9 | ug/L | 100602 | 3 | 11.48 | 1304770 | 50.0 |
| Benzene, 1-ethyl-... | 12.70 | 4.8 | ug/L | 125188 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Str... | 12.83 | 2.7 | ug/L | 69436 | 3 | 11.48 | 1304770 | 50.0 |
| Benzene, 2-etheny... | 12.96 | 3.3 | ug/L | 85536 | 3 | 11.48 | 1304770 | 50.0 |
| 1-Octyl trifluoro... | 13.08 | 3.5 | ug/L | 90674 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Str... | 13.12 | 28.2 | ug/L | 736815 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Str... | 13.28 | 7.6 | ug/L | 197341 | 3 | 11.48 | 1304770 | 50.0 |
| (DEL) Alkane: Str... | 14.14 | 5.5 | ug/L | 144121 | 3 | 11.48 | 1304770 | 50.0 |
| Naphthalene, 1-me... | 15.06 | 2.6 | ug/L | 68236 | 3 | 11.48 | 1304770 | 50.0 |

**Instrument :**
MSVOA_U
**ClientSampleId :**
F9Y41