LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EXET4DL

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\SFAMULM042522WMA.M
Title : VOC Analysis

Signal : TIC: VU048336.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.359 | 3 | 6 | 25 | rVB | 776021 | 743682 | 19.59% | 2.827% |
| 2 | 1.475 | 35 | 42 | 52 | rBV3 | 39335 | 58283 | 1.53% | 0.222% |
| 3 | 1.600 | 73 | 81 | 100 | rBV | 185402 | 247591 | 6.52% | 0.941% |
| 4 | 1.896 | 165 | 173 | 189 | rBV | 128147 | 190308 | 5.01% | 0.723% |
| 5 | 2.565 | 369 | 381 | 395 | rBV | 334722 | 542494 | 14.29% | 2.062% |
| 6 | 2.784 | 434 | 449 | 450 | rBV3 | 3193 | 5261 | 0.14% | 0.020% |
| 7 | 3.006 | 510 | 518 | 521 | rBV4 | 875 | 1181 | 0.03% | 0.004% |
| 8 | 3.044 | 521 | 530 | 541 | rBV7 | 2017 | 4425 | 0.12% | 0.017% |
| 9 | 3.186 | 553 | 574 | 600 | rVB | 34820 | 92544 | 2.44% | 0.352% |
| 10 | 3.356 | 624 | 627 | 630 | rBV | 606 | 475 | 0.01% | 0.002% |
| 11 | 3.446 | 646 | 655 | 664 | rBV4 | 1872 | 3409 | 0.09% | 0.013% |
| 12 | 3.498 | 669 | 671 | 679 | rVB3 | 594 | 557 | 0.01% | 0.002% |
| 13 | 3.687 | 727 | 730 | 732 | rBV3 | 630 | 456 | 0.01% | 0.002% |
| 14 | 3.703 | 733 | 735 | 740 | rVB4 | 891 | 586 | 0.02% | 0.002% |
| 15 | 3.861 | 780 | 784 | 786 | rVV2 | 501 | 430 | 0.01% | 0.002% |
| 16 | 3.877 | 786 | 789 | 793 | rVV2 | 876 | 748 | 0.02% | 0.003% |
| 17 | 3.896 | 793 | 795 | 802 | rVB2 | 750 | 680 | 0.02% | 0.003% |
| 18 | 4.227 | 891 | 898 | 900 | rBV3 | 613 | 657 | 0.02% | 0.002% |
| 19 | 4.530 | 984 | 992 | 996 | rBV3 | 968 | 1215 | 0.03% | 0.005% |
| 20 | 4.620 | 1005 | 1020 | 1045 | rBV | 192249 | 467010 | 12.30% | 1.775% |
| 21 | 5.063 | 1140 | 1158 | 1177 | rBV | 300843 | 653335 | 17.21% | 2.483% |
| 22 | 5.282 | 1222 | 1226 | 1228 | rBV2 | 547 | 432 | 0.01% | 0.002% |
| 23 | 5.330 | 1238 | 1241 | 1243 | rBV2 | 657 | 468 | 0.01% | 0.002% |
| 24 | 5.378 | 1253 | 1256 | 1258 | rBV3 | 777 | 608 | 0.02% | 0.002% |
| 25 | 5.726 | 1338 | 1364 | 1372 | rBV2 | 626126 | 1697133 | 44.70% | 6.451% |
| 26 | 6.250 | 1507 | 1527 | 1548 | rBV | 403414 | 763231 | 20.10% | 2.901% |
| 27 | 6.472 | 1592 | 1596 | 1597 | rVV | 909 | 590 | 0.02% | 0.002% |
| 28 | 6.513 | 1597 | 1609 | 1624 | rVB2 | 32341 | 65574 | 1.73% | 0.249% |
| 29 | 6.690 | 1649 | 1664 | 1679 | rBV | 388147 | 754743 | 19.88% | 2.869% |
| 30 | 6.774 | 1682 | 1690 | 1707 | rVB2 | 33745 | 69124 | 1.82% | 0.263% |
| 31 | 6.996 | 1743 | 1759 | 1774 | rBV | 46610 | 92187 | 2.43% | 0.350% |
| 32 | 7.179 | 1805 | 1816 | 1823 | rBV6 | 3022 | 6332 | 0.17% | 0.024% |
| 33 | 7.298 | 1846 | 1853 | 1861 | rVB6 | 1876 | 2723 | 0.07% | 0.010% |
| 34 | 7.488 | 1897 | 1912 | 1925 | rBV | 332154 | 599278 | 15.78% | 2.278% |
| 35 | 7.565 | 1925 | 1936 | 1953 | rVB | 229194 | 399299 | 10.52% | 1.518% |
| 36 | 7.690 | 1967 | 1975 | 1985 | rVB7 | 1649 | 2806 | 0.07% | 0.011% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EXET4DL

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\SFAMULM042522WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 7.787 | 2000 | 2005 | 2007 | rBV3 | 1570 | 1231 | 0.03% | 0.005% |
| 38 | 7.896 | 2025 | 2039 | 2053 | rBV | 802179 | 1396320 | 36.77% | 5.307% |
| 39 | 7.980 | 2054 | 2065 | 2086 | rVB | 480768 | 859115 | 22.63% | 3.265% |
| 40 | 8.179 | 2114 | 2127 | 2144 | rBV | 155557 | 260218 | 6.85% | 0.989% |
| 41 | 8.356 | 2175 | 2182 | 2190 | rBV6 | 3484 | 6055 | 0.16% | 0.023% |
| 42 | 8.472 | 2213 | 2218 | 2222 | rBV2 | 384 | 449 | 0.01% | 0.002% |
| 43 | 8.510 | 2225 | 2230 | 2232 | rBV3 | 1303 | 1071 | 0.03% | 0.004% |
| 44 | 8.574 | 2235 | 2250 | 2260 | rVV | 2281660 | 3797021 | 100.00% | 14.432% |
| 45 | 8.632 | 2260 | 2268 | 2297 | rVB | 639234 | 1155762 | 30.44% | 4.393% |
| 46 | 8.980 | 2372 | 2376 | 2379 | rVB2 | 571 | 533 | 0.01% | 0.002% |
| 47 | 9.018 | 2379 | 2388 | 2398 | rBV6 | 2976 | 4695 | 0.12% | 0.018% |
| 48 | 9.169 | 2422 | 2435 | 2448 | rBV3 | 12208 | 22673 | 0.60% | 0.086% |
| 49 | 9.362 | 2484 | 2495 | 2502 | rBV2 | 46329 | 74143 | 1.95% | 0.282% |
| 50 | 9.446 | 2502 | 2521 | 2545 | rVB2 | 1521263 | 3464911 | 91.25% | 13.170% |
| 51 | 9.578 | 2554 | 2562 | 2571 | rVB3 | 21130 | 32554 | 0.86% | 0.124% |
| 52 | 9.632 | 2571 | 2579 | 2590 | rVB6 | 7783 | 13545 | 0.36% | 0.051% |
| 53 | 9.693 | 2590 | 2598 | 2608 | rVB4 | 2055 | 3633 | 0.10% | 0.014% |
| 54 | 9.845 | 2634 | 2645 | 2655 | rVV5 | 3297 | 6320 | 0.17% | 0.024% |
| 55 | 9.941 | 2664 | 2675 | 2686 | rVV | 34240 | 57453 | 1.51% | 0.218% |
| 56 | 10.108 | 2715 | 2727 | 2737 | rBV7 | 1978 | 3619 | 0.10% | 0.014% |
| 57 | 10.250 | 2764 | 2771 | 2781 | rBV5 | 955 | 1462 | 0.04% | 0.006% |
| 58 | 10.340 | 2796 | 2799 | 2804 | rBV3 | 506 | 428 | 0.01% | 0.002% |
| 59 | 10.484 | 2839 | 2844 | 2846 | rVV | 818 | 742 | 0.02% | 0.003% |
| 60 | 10.578 | 2867 | 2873 | 2874 | rBV2 | 410 | 444 | 0.01% | 0.002% |
| 61 | 10.652 | 2887 | 2896 | 2909 | rBV5 | 12356 | 23186 | 0.61% | 0.088% |
| 62 | 10.706 | 2909 | 2913 | 2915 | rVV2 | 1390 | 1271 | 0.03% | 0.005% |
| 63 | 10.758 | 2916 | 2929 | 2954 | rVB2 | 656550 | 1219857 | 32.13% | 4.636% |
| 64 | 10.893 | 2965 | 2971 | 2977 | rBV4 | 1947 | 2414 | 0.06% | 0.009% |
| 65 | 10.973 | 2985 | 2996 | 3006 | rBV3 | 10286 | 16174 | 0.43% | 0.061% |
| 66 | 11.195 | 3056 | 3065 | 3072 | rBV5 | 2018 | 2661 | 0.07% | 0.010% |
| 67 | 11.250 | 3074 | 3082 | 3091 | rVB5 | 5052 | 7166 | 0.19% | 0.027% |
| 68 | 11.375 | 3114 | 3121 | 3131 | rBV6 | 2438 | 3581 | 0.09% | 0.014% |
| 69 | 11.462 | 3139 | 3148 | 3156 | rBV10 | 4060 | 7479 | 0.20% | 0.028% |
| 70 | 11.510 | 3156 | 3163 | 3173 | rVB4 | 7398 | 11901 | 0.31% | 0.045% |
| 71 | 11.584 | 3178 | 3186 | 3189 | rBV5 | 1319 | 1506 | 0.04% | 0.006% |
| 72 | 11.700 | 3213 | 3222 | 3226 | rVV6 | 1448 | 2403 | 0.06% | 0.009% |
| 73 | 11.751 | 3230 | 3238 | 3245 | rVV4 | 4623 | 7268 | 0.19% | 0.028% |
| 74 | 11.812 | 3245 | 3257 | 3270 | rVV | 655389 | 1046265 | 27.55% | 3.977% |
| 75 | 11.880 | 3270 | 3278 | 3290 | rVV2 | 43709 | 76815 | 2.02% | 0.292% |
| 76 | 11.954 | 3293 | 3301 | 3315 | rVV6 | 11504 | 21758 | 0.57% | 0.083% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

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\SFAMULM042522WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 12.021 | 3315 | 3322 | 3330 | rVB3 | 6315 | 8948 | 0.24% | 0.034% |
| 78 | 12.098 | 3344 | 3346 | 3350 | rBV4 | 797 | 654 | 0.02% | 0.002% |
| 79 | 12.195 | 3360 | 3376 | 3394 | rBV | 856153 | 1449435 | 38.17% | 5.509% |
| 80 | 12.330 | 3413 | 3418 | 3421 | rBV4 | 945 | 953 | 0.03% | 0.004% |
| 81 | 12.401 | 3435 | 3440 | 3443 | rBV3 | 623 | 429 | 0.01% | 0.002% |
| 82 | 12.471 | 3449 | 3462 | 3475 | rVV2 | 30734 | 45717 | 1.20% | 0.174% |
| 83 | 12.706 | 3525 | 3535 | 3547 | rVB | 38720 | 59055 | 1.56% | 0.224% |
| 84 | 12.774 | 3547 | 3556 | 3566 | rVB3 | 2320 | 3836 | 0.10% | 0.015% |
| 85 | 12.970 | 3605 | 3617 | 3629 | rBV | 50283 | 82103 | 2.16% | 0.312% |
| 86 | 13.160 | 3665 | 3676 | 3683 | rBV7 | 1094 | 2184 | 0.06% | 0.008% |
| 87 | 13.221 | 3690 | 3695 | 3698 | rBV5 | 961 | 1082 | 0.03% | 0.004% |
| 88 | 13.269 | 3705 | 3710 | 3712 | rBV3 | 953 | 1080 | 0.03% | 0.004% |
| 89 | 13.333 | 3721 | 3730 | 3732 | rBV4 | 4636 | 5799 | 0.15% | 0.022% |
| 90 | 13.375 | 3732 | 3743 | 3764 | rVB | 750346 | 1122318 | 29.56% | 4.266% |
| 91 | 13.716 | 3843 | 3849 | 3858 | rBV4 | 1057 | 1402 | 0.04% | 0.005% |
| 92 | 13.780 | 3862 | 3869 | 3872 | rBV5 | 1644 | 2089 | 0.06% | 0.008% |
| 93 | 14.092 | 3961 | 3966 | 3974 | rBV2 | 1247 | 1354 | 0.04% | 0.005% |
| 94 | 14.359 | 4036 | 4049 | 4060 | rBV4 | 9792 | 15607 | 0.41% | 0.059% |
| 95 | 14.430 | 4060 | 4071 | 4081 | rBV2 | 107238 | 166711 | 4.39% | 0.634% |
| 96 | 14.494 | 4081 | 4091 | 4109 | rVB | 217093 | 358678 | 9.45% | 1.363% |
| 97 | 14.950 | 4225 | 4233 | 4248 | rBV7 | 13363 | 25906 | 0.68% | 0.098% |
| 98 | 15.278 | 4331 | 4335 | 4340 | rBV7 | 1555 | 1839 | 0.05% | 0.007% |
| 99 | 15.545 | 4405 | 4418 | 4436 | rBV | 1099008 | 1684946 | 44.38% | 6.404% |
| 100 | 16.391 | 4670 | 4681 | 4691 | rBV2 | 109040 | 181788 | 4.79% | 0.691% |

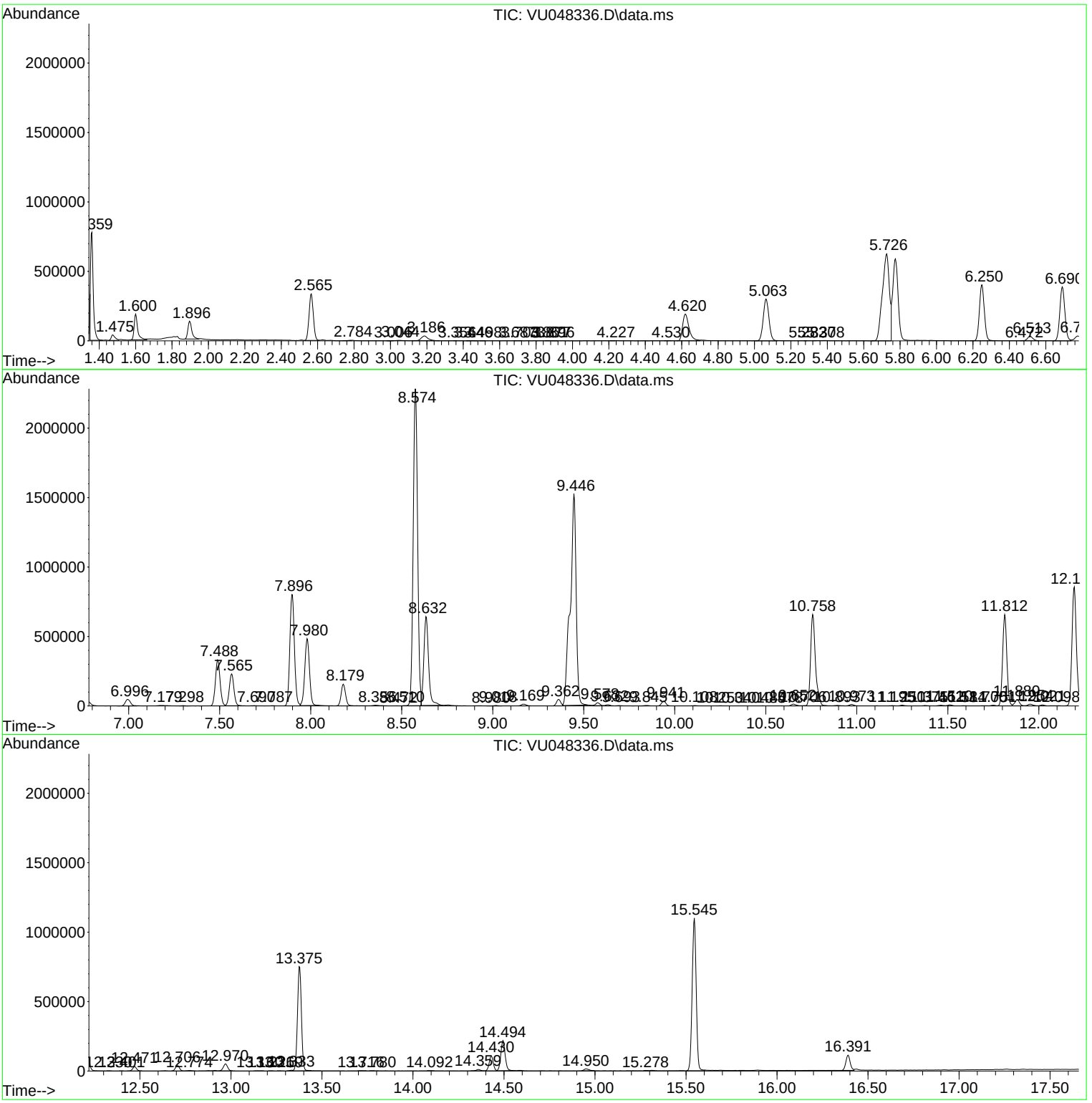
Sum of corrected areas: 26309870

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

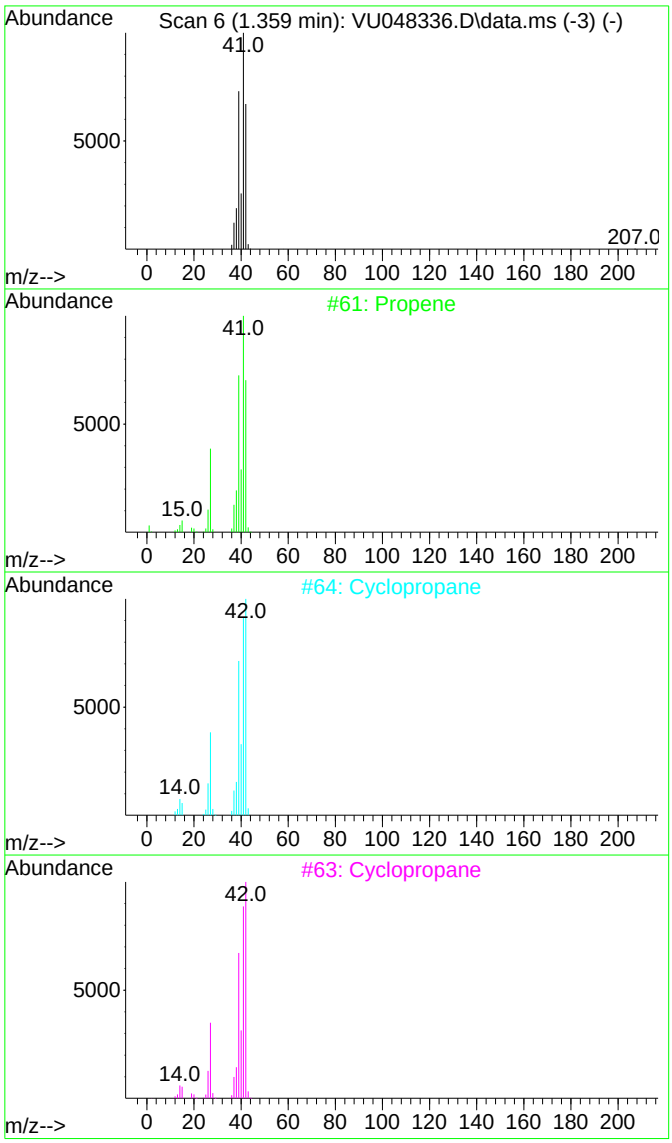
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

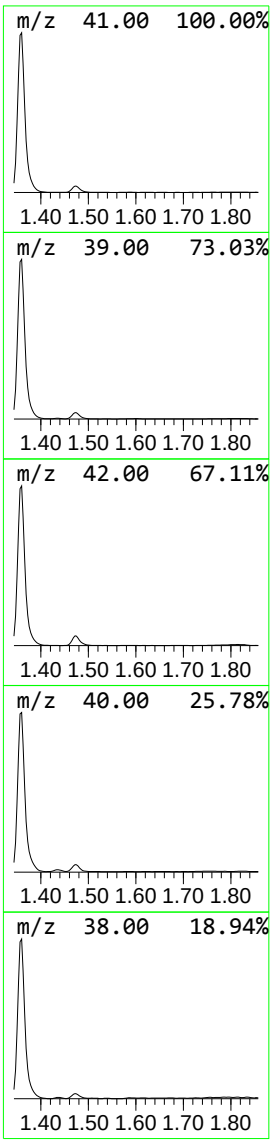
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.359 | 48.72 ug/L | 743682 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propene | 42 | C3H6 | 000115-07-1 | 90 |
| 2 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 86 |
| 3 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 78 |
| 4 | Propene | 42 | C3H6 | 000115-07-1 | 50 |
| 5 | Cyclopropene | 40 | C3H4 | 002781-85-3 | 16 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

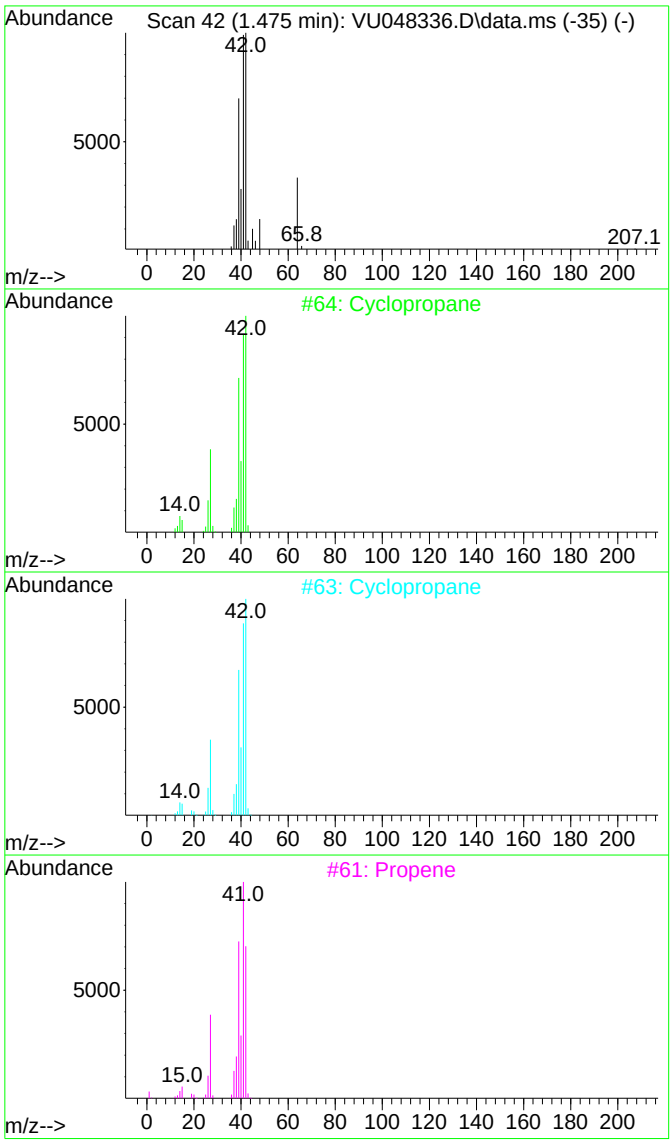
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

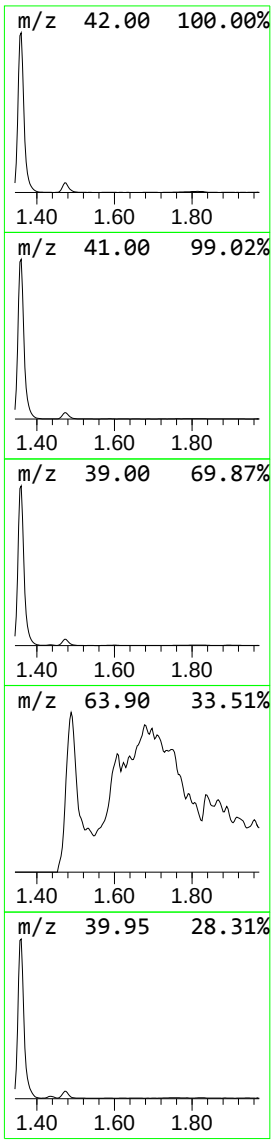
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Cyclic1.475 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.475 | 3.82 ug/L | 58283 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 72 |
| 2 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 72 |
| 3 | Propene | 42 | C3H6 | 000115-07-1 | 64 |
| 4 | 2-Oxetanone, 4-methylene- | 84 | C4H4O2 | 000674-82-8 | 47 |
| 5 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

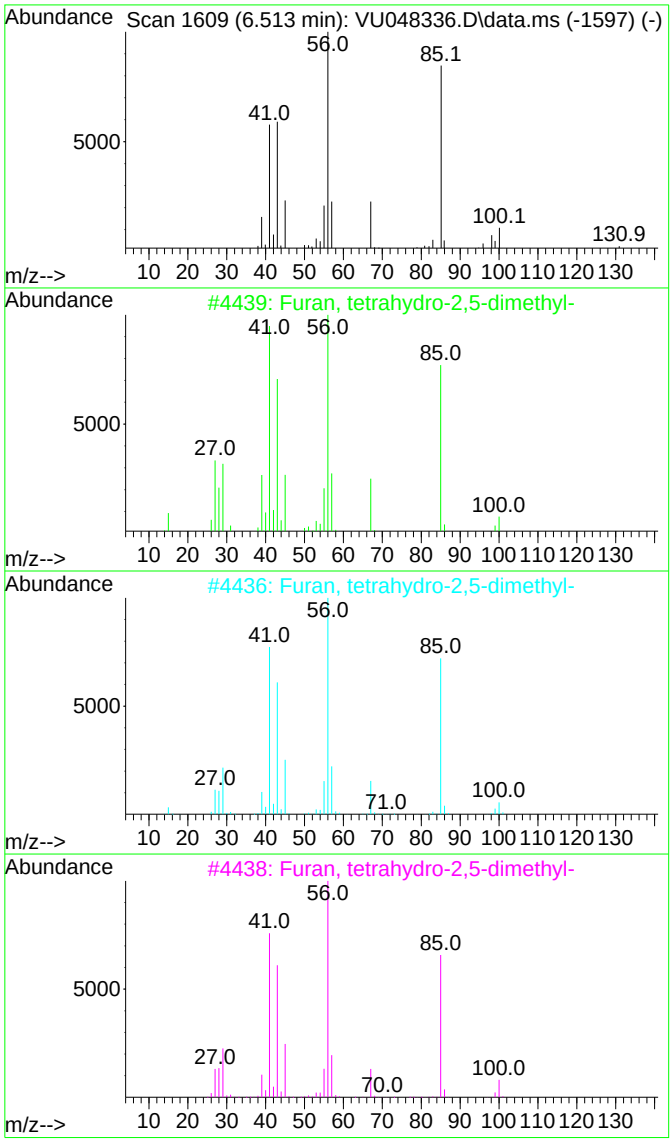
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

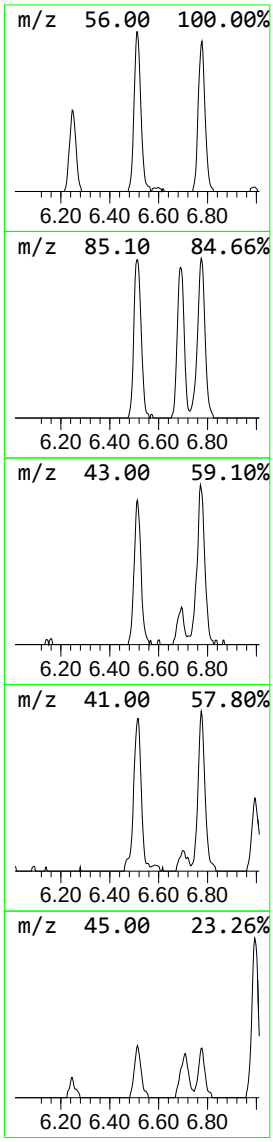
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Furan, tetrahydro-2,5-dimet... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.513 | 4.30 ug/L | 65574 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 91 |
| 2 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 91 |
| 3 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 87 |
| 4 | 2(3H)-Furanone, dihydro-5-methyl- | 100 | C5H8O2 | 000108-29-2 | 72 |
| 5 | Furan, tetrahydro-2,5-dimethyl-,... | 100 | C6H12O | 038484-59-2 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

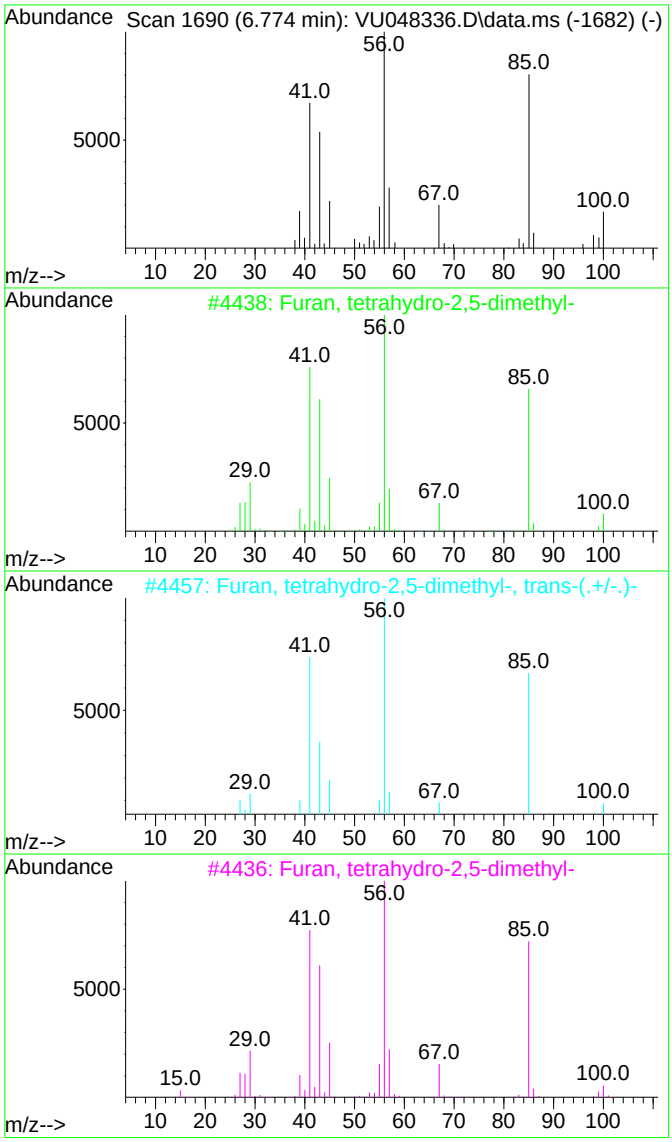
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

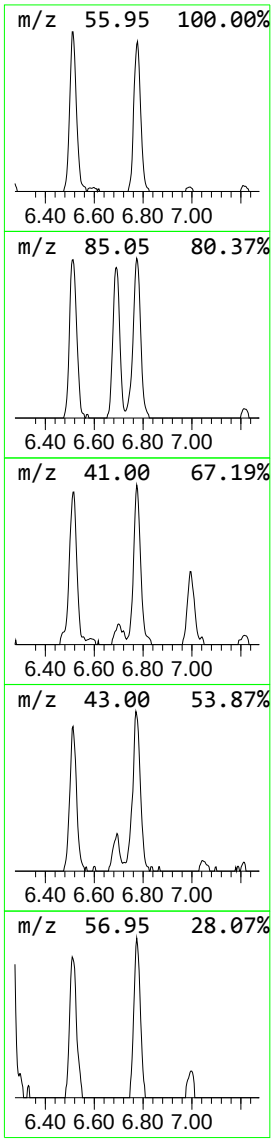
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Furan, tetrahydro-2,5-dimet... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.774 | 4.53 ug/L | 69124 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 83 |
| 2 | Furan, tetrahydro-2,5-dimethyl-,... | 100 | C6H12O | 038484-59-2 | 80 |
| 3 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 78 |
| 4 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 78 |
| 5 | 2(3H)-Furanone, dihydro-5-methyl- | 100 | C5H8O2 | 000108-29-2 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

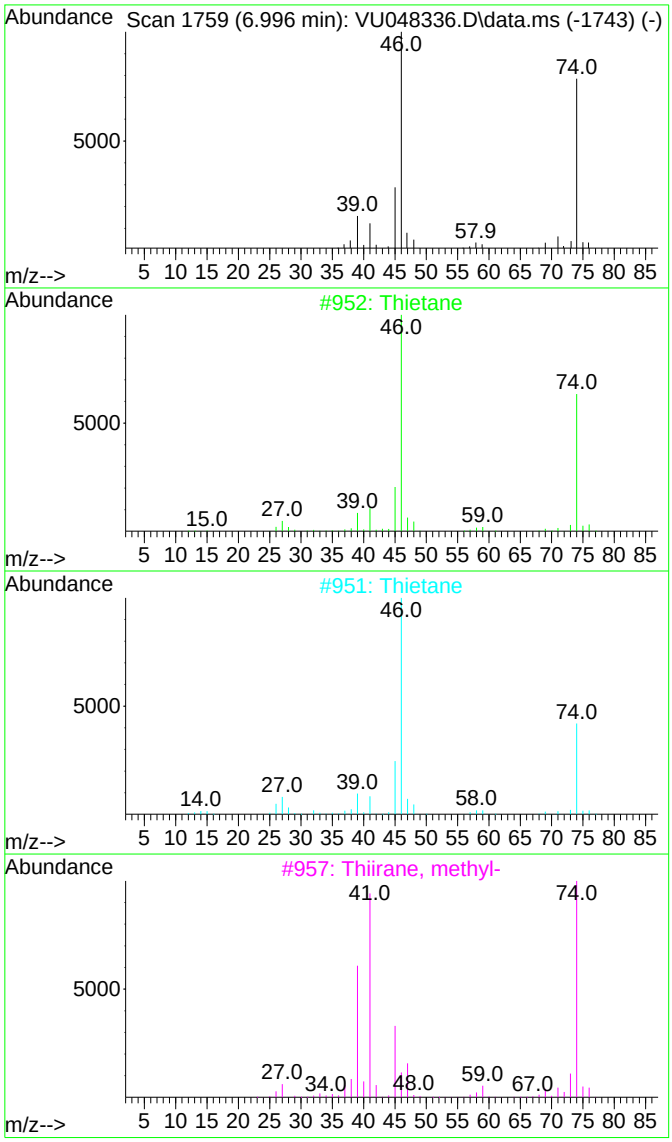
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

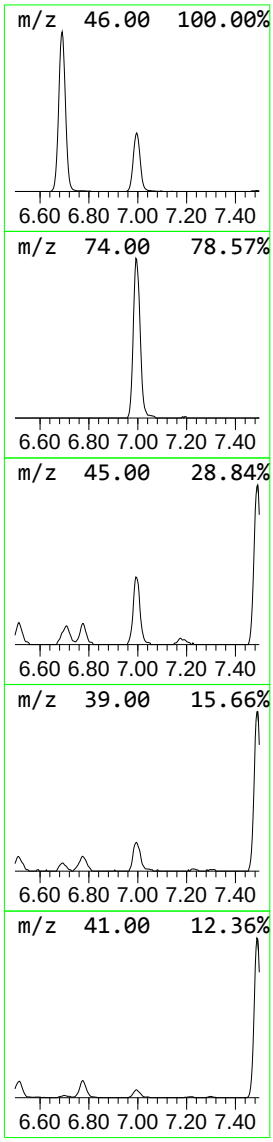
**********

Peak Number 6 Thietane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.996 | 6.04 ug/L | 92187 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thietane | 74 | C3H6S | 000287-27-4 | 91 |
| 2 | Thietane | 74 | C3H6S | 000287-27-4 | 90 |
| 3 | Thiirane, methyl- | 74 | C3H6S | 001072-43-1 | 25 |
| 4 | Allyl mercaptan | 74 | C3H6S | 000870-23-5 | 9 |
| 5 | Thiirane, methyl- | 74 | C3H6S | 001072-43-1 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

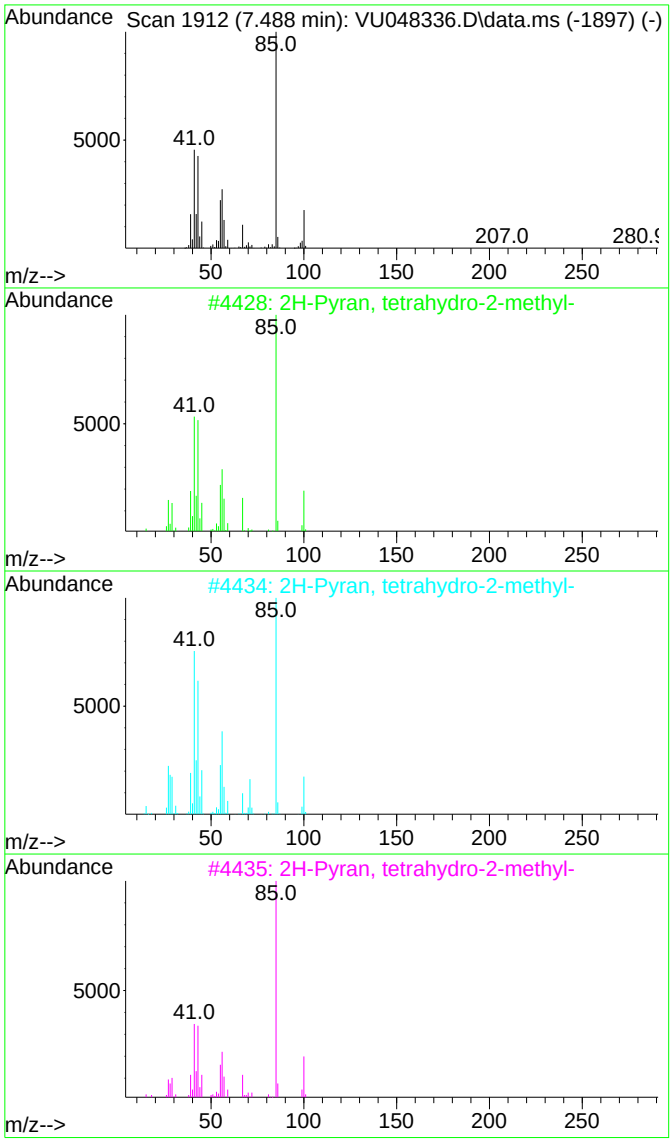
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

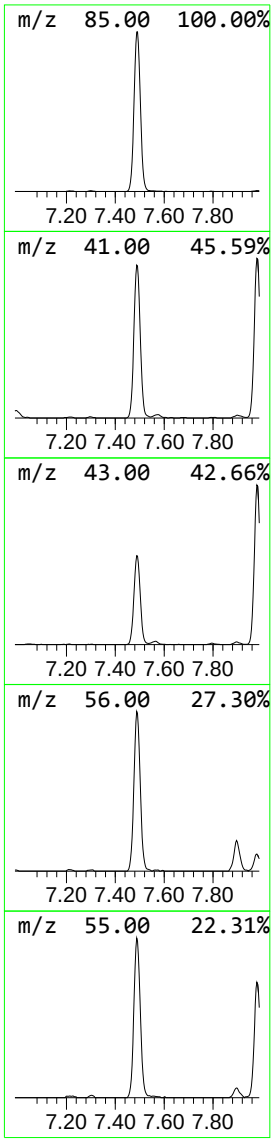
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.488 | 39.26 ug/L | 599278 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 97 |
| 2 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 91 |
| 3 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 90 |
| 4 | 2-Furanmethanol, tetrahydro-5-me... | 116 | C6H12O2 | 054774-28-6 | 59 |
| 5 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

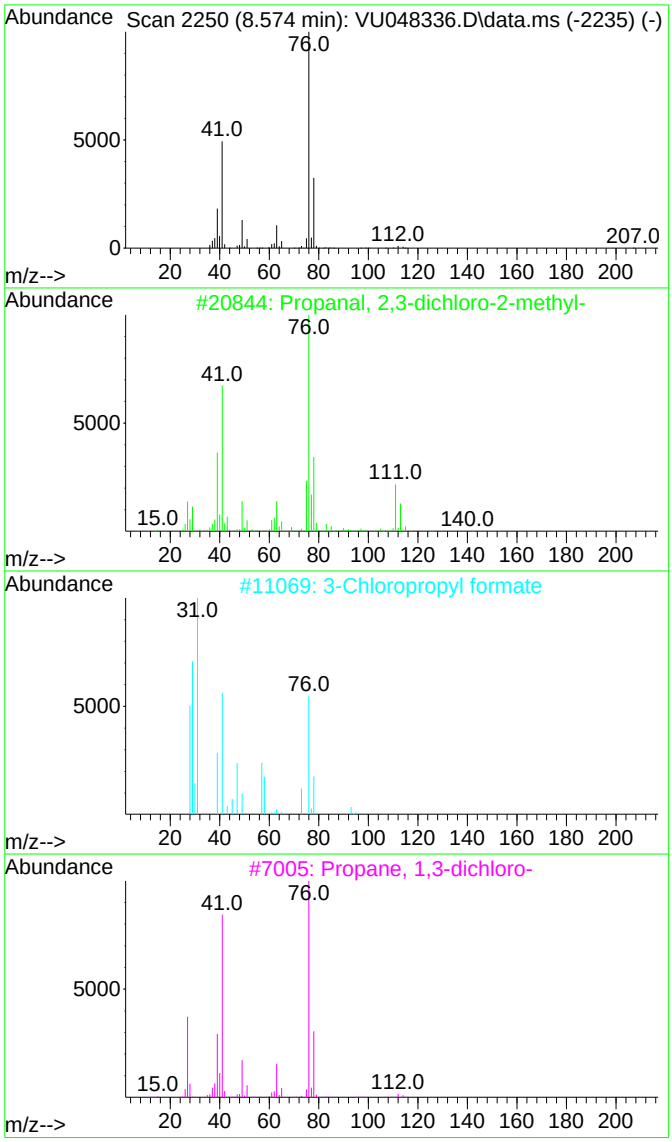
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

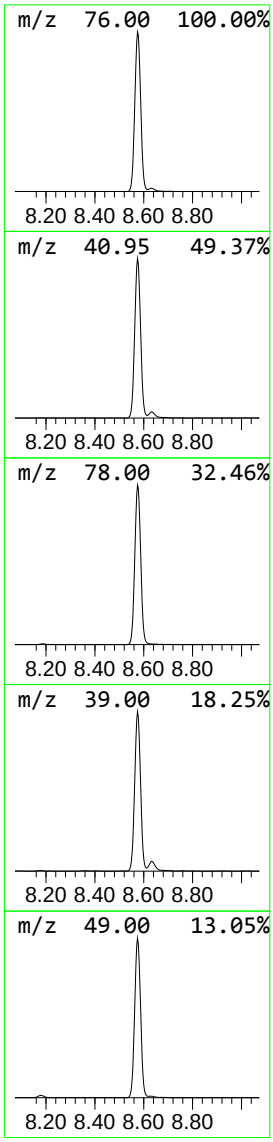
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Propanal, 2,3-dichloro-2-me... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.574 | 54.79 ug/L | 3797020 | Chlorobenzene-d5 | 9.417 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanal, 2,3-dichloro-2-methyl- | 140 | C4H6Cl2O | 010141-22-7 | 74 |
| 2 | 3-Chloropropyl formate | 122 | C4H7ClO2 | 001487-44-1 | 43 |
| 3 | Propane, 1,3-dichloro- | 112 | C3H6Cl2 | 000142-28-9 | 25 |
| 4 | Propane, 1,3-dichloro- | 112 | C3H6Cl2 | 000142-28-9 | 15 |
| 5 | Propane, 1,3-dichloro- | 112 | C3H6Cl2 | 000142-28-9 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

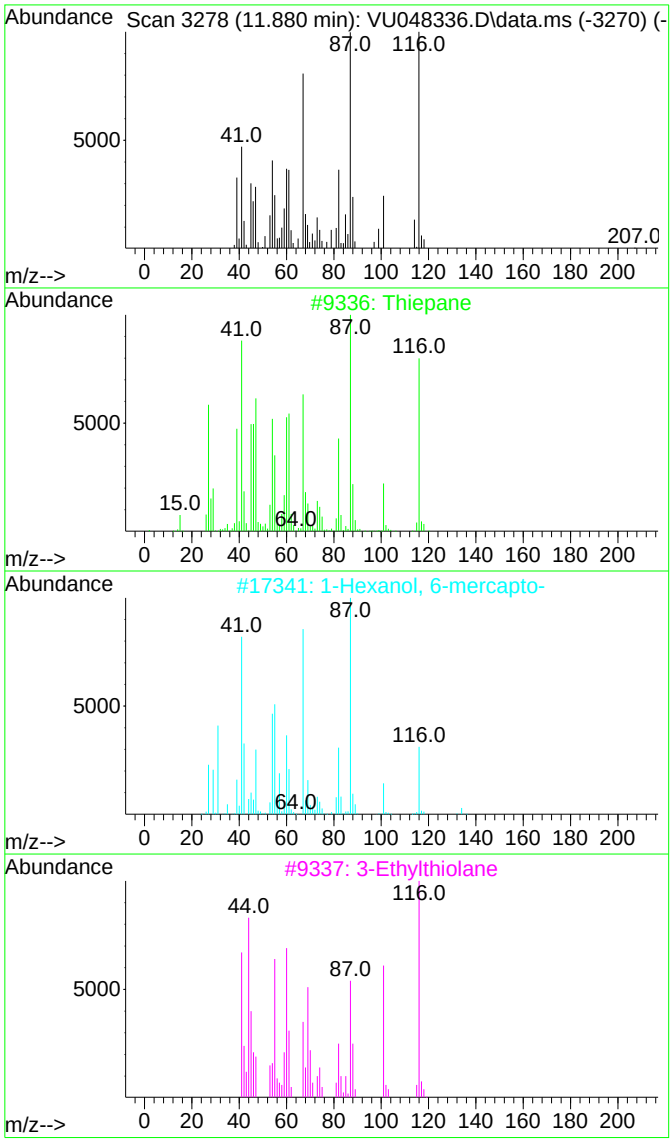
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

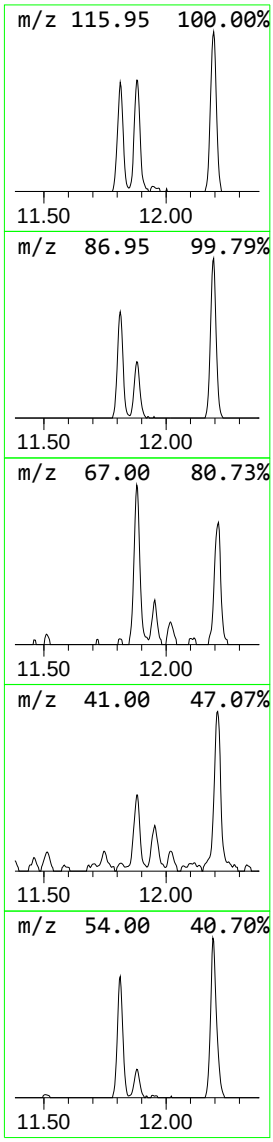
**********

Peak Number 10 Thiepane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.880 | 3.67 ug/L | 76815 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thiepane | 116 | C6H12S | 004753-80-4 | 94 |
| 2 | 1-Hexanol, 6-mercapto- | 134 | C6H14OS | 001633-78-9 | 50 |
| 3 | 3-Ethylthiolane | 116 | C6H12S | 062184-67-2 | 38 |
| 4 | Hydrazine, 1-ethyl-1-(1-methylpr... | 116 | C6H16N2 | 020325-97-7 | 38 |
| 5 | Cyclopentanethiol, 2-methyl-, tr... | 116 | C6H12S | 001638-93-3 | 37 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

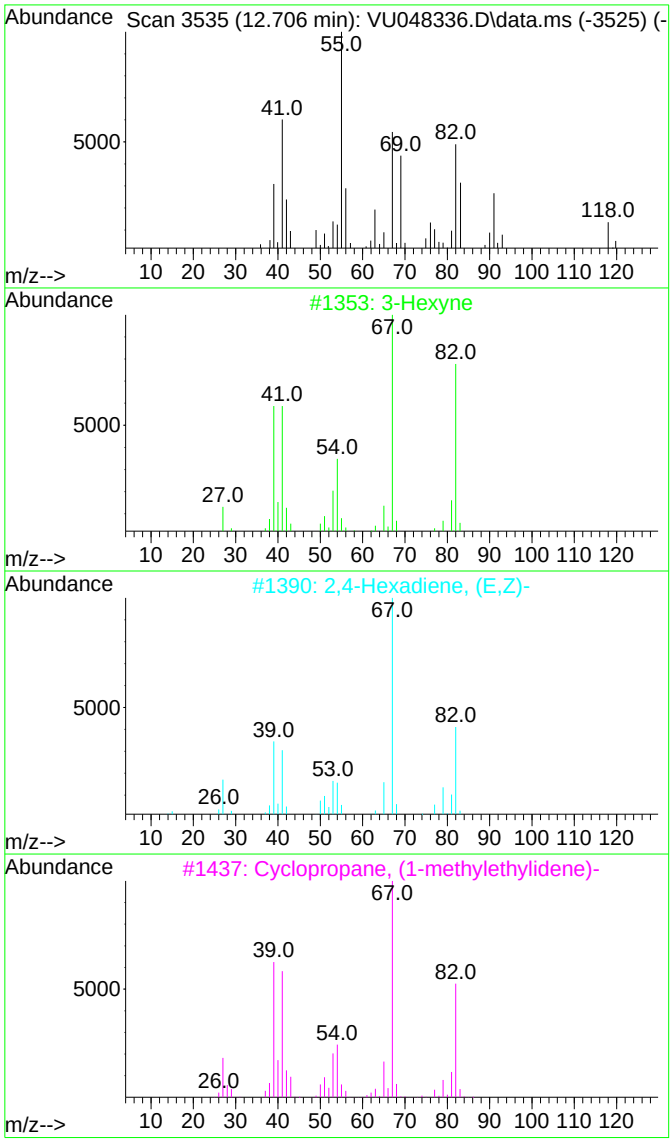
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

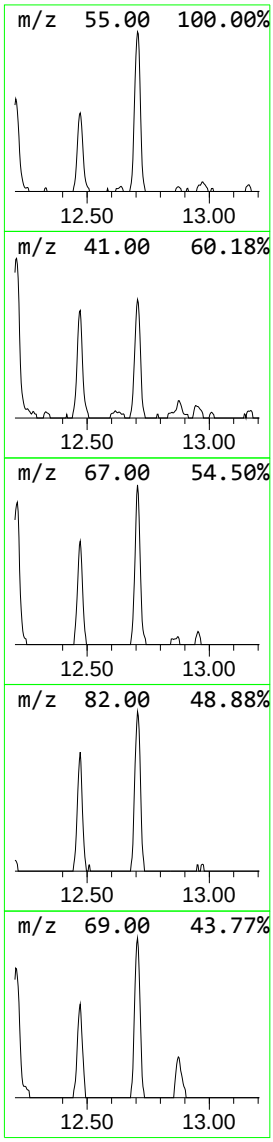
**********

Peak Number 11 unknown-01 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.706 | 2.82 ug/L | 59055 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Hexyne | 82 | C6H10 | 000928-49-4 | 38 |
| 2 | 2,4-Hexadiene, (E,Z)- | 82 | C6H10 | 005194-50-3 | 38 |
| 3 | Cyclopropane, (1-methylethylidene)- | 82 | C6H10 | 004741-86-0 | 38 |
| 4 | 1,4-Hexadiene | 82 | C6H10 | 000592-45-0 | 30 |
| 5 | 4-Methyl-1,3-pentadiene | 82 | C6H10 | 000926-56-7 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

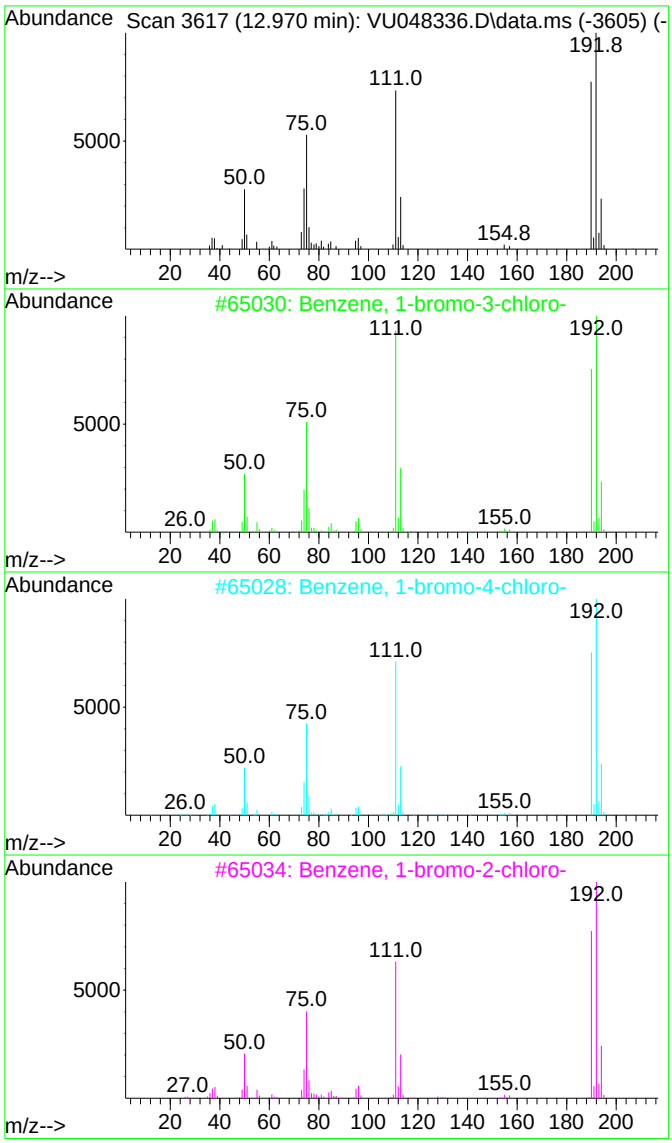
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

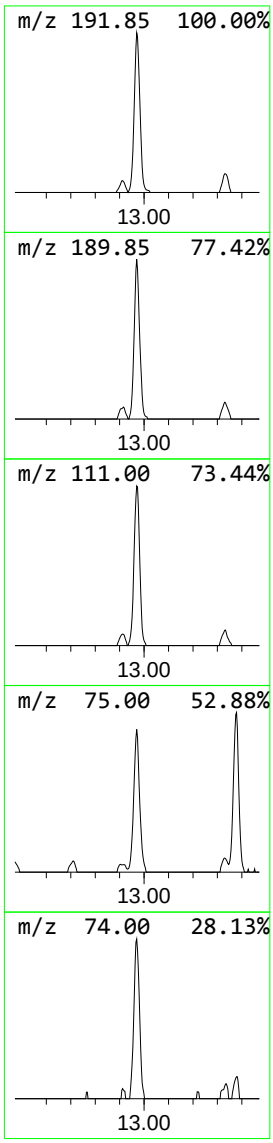
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzene, 1-bromo-3-chloro- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.970 | 3.92 ug/L | 82103 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 98 |
| 2 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 98 |
| 3 | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 98 |
| 4 | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 98 |
| 5 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 97 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

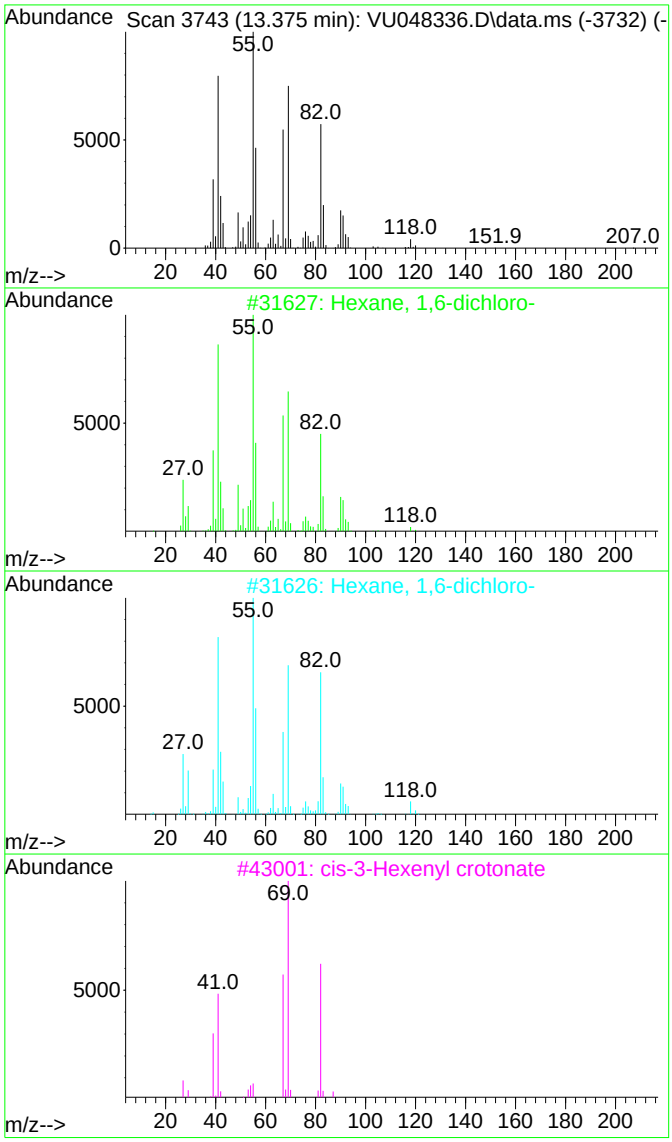
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

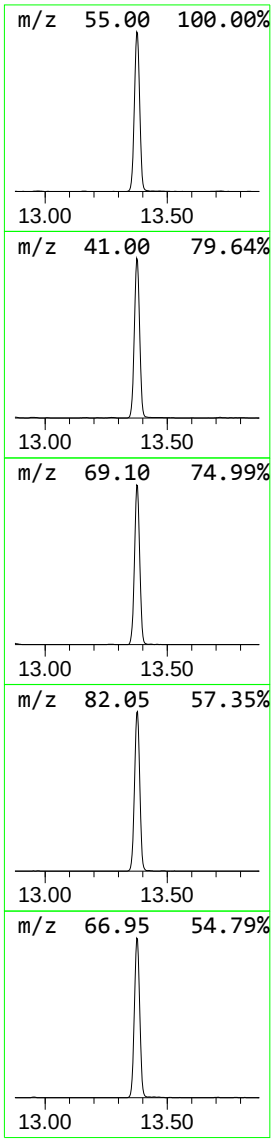
**********

Peak Number 13 Hexane, 1,6-dichloro- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.375 | 53.63 ug/L | 1122320 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 1,6-dichloro- | 154 | C6H12Cl2 | 002163-00-0 | 90 |
| 2 | Hexane, 1,6-dichloro- | 154 | C6H12Cl2 | 002163-00-0 | 47 |
| 3 | cis-3-Hexenyl crotonate | 168 | C10H16O2 | 1000429-17-4 | 47 |
| 4 | 1-Hexene, 6-chloro- | 118 | C6H11Cl | 000928-89-2 | 43 |
| 5 | Cyclohexane, chloro- | 118 | C6H11Cl | 000542-18-7 | 42 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

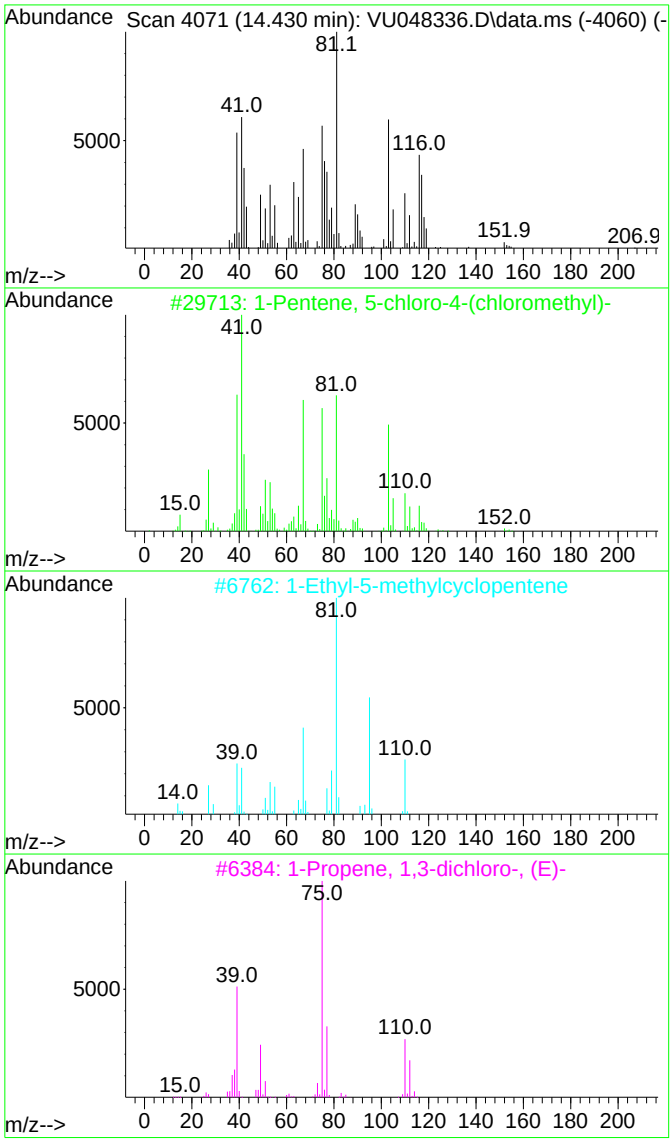
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

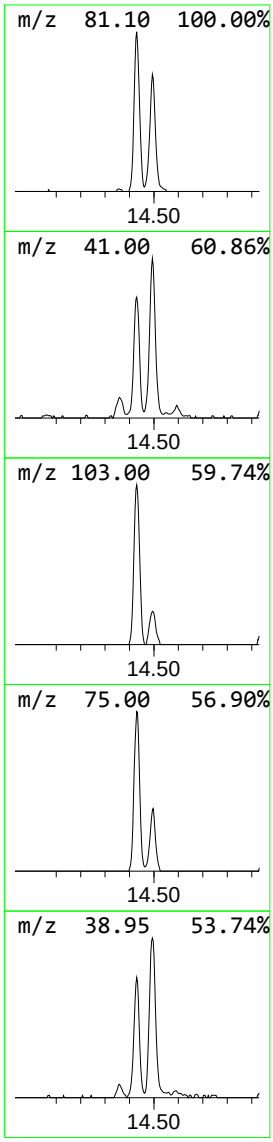
**********

Peak Number 14 unknown-02 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.430 | 7.97 ug/L | 166711 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentene, 5-chloro-4-(chloromet... | 152 | C6H10Cl2 | 027990-74-5 | 42 |
| 2 | 1-Ethyl-5-methylcyclopentene | 110 | C8H14 | 097797-57-4 | 18 |
| 3 | 1-Propene, 1,3-dichloro-, (E)- | 110 | C3H4Cl2 | 010061-02-6 | 18 |
| 4 | Cyclohexane, ethylidene- | 110 | C8H14 | 001003-64-1 | 18 |
| 5 | Cyclohexene, 1-ethyl- | 110 | C8H14 | 001453-24-3 | 14 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

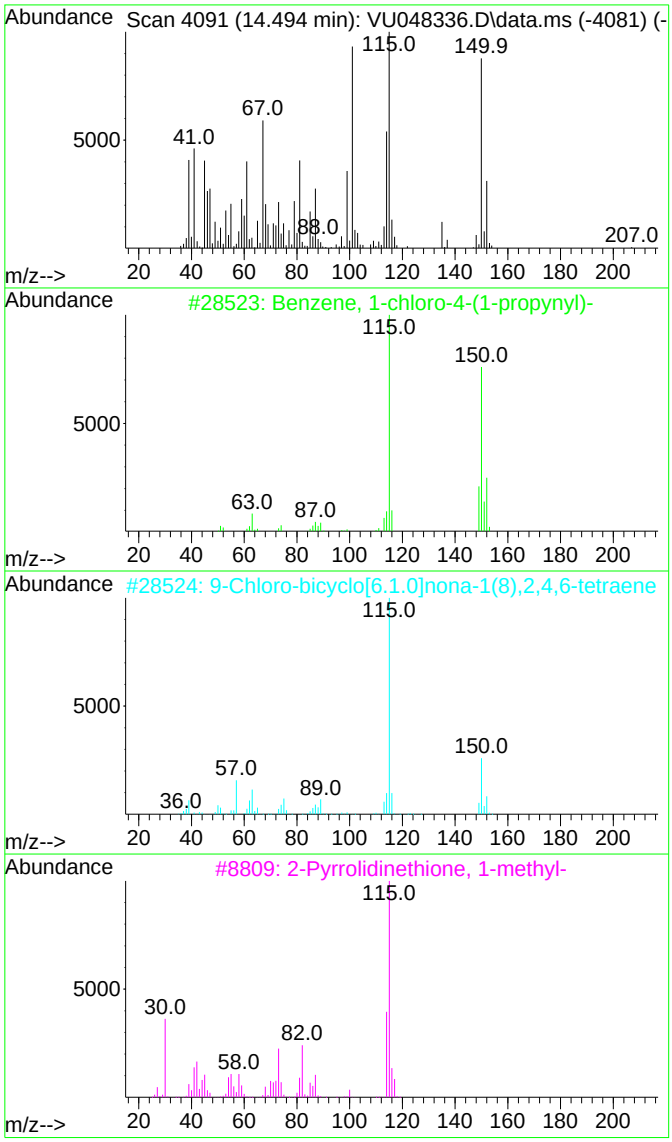
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

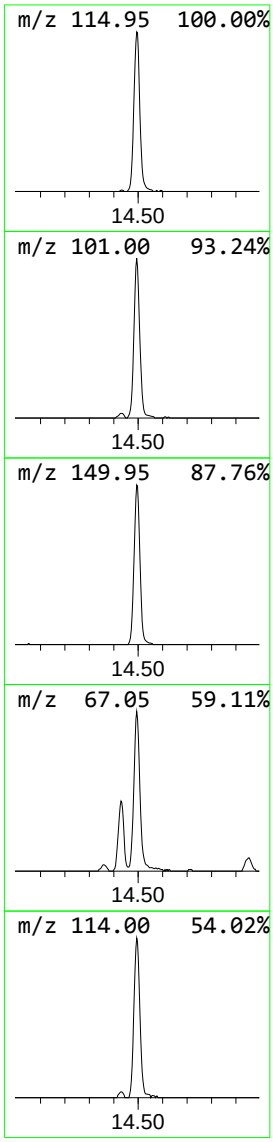
**********

Peak Number 15 unknown-03 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.494 | 17.14 ug/L | 358678 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-4-(1-propynyl)- | 150 | C9H7Cl | 002809-65-6 | 45 |
| 2 | 9-Chloro-bicyclo[6.1.0]nona-1(8)... | 150 | C9H7Cl | 1010295-96-4 | 35 |
| 3 | 2-Pyrrolidinethione, 1-methyl- | 115 | C5H9NS | 010441-57-3 | 18 |
| 4 | 2-Benzothiazolamine | 150 | C7H6N2S | 000136-95-8 | 11 |
| 5 | 2-Pyrrolidinethione | 101 | C4H7NS | 002295-35-4 | 11 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

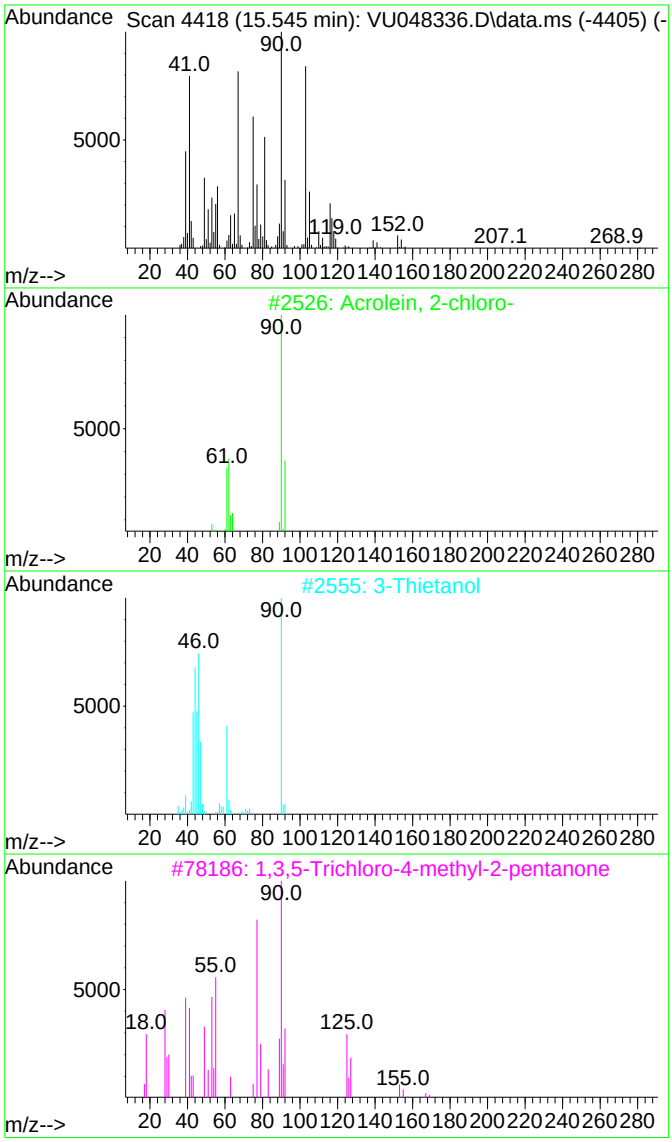
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

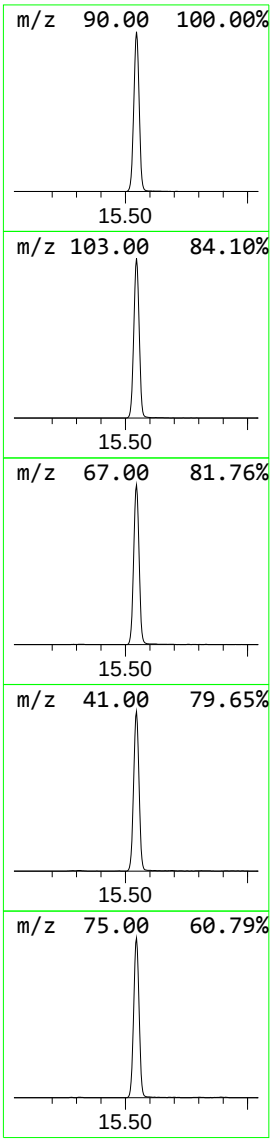
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 unknown-04 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.545 | 80.52 ug/L | 1684950 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acrolein, 2-chloro- | 90 | C3H3ClO | 000683-51-2 | 43 |
| 2 | 3-Thietanol | 90 | C3H6OS | 010304-16-2 | 25 |
| 3 | 1,3,5-Trichloro-4-methyl-2-penta... | 202 | C6H9Cl3O | 1000140-03-8 | 25 |
| 4 | Propane, 2-(methylthio)- | 90 | C4H10S | 001551-21-9 | 25 |
| 5 | 2,2-Bis(chloromethyl)-1-propanol | 156 | C5H10Cl2O | 005355-54-4 | 23 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

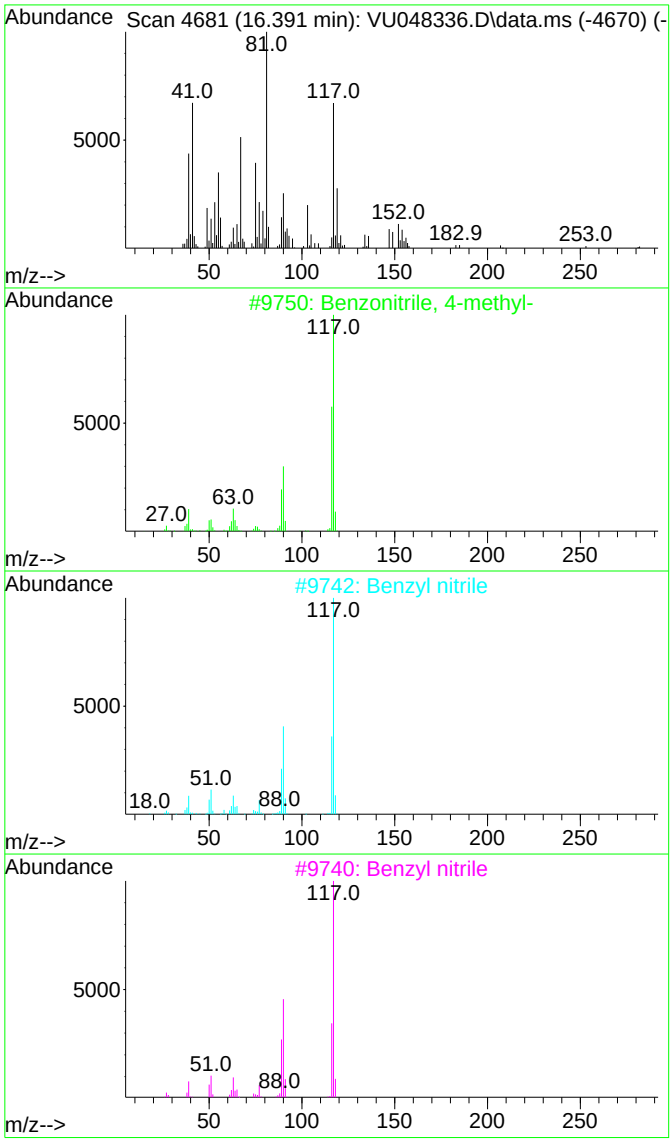
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

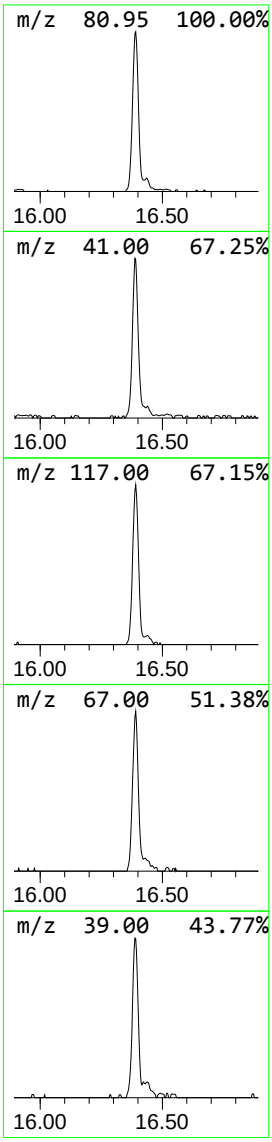
**********

Peak Number 17 unknown-05 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.391 | 8.69 ug/L | 181788 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzonitrile, 4-methyl- | 117 | C8H7N | 000104-85-8 | 25 |
| 2 | Benzyl nitrile | 117 | C8H7N | 000140-29-4 | 25 |
| 3 | Benzyl nitrile | 117 | C8H7N | 000140-29-4 | 25 |
| 4 | Benzonitrile, 2-methyl- | 117 | C8H7N | 000529-19-1 | 15 |
| 5 | Benzyl nitrile | 117 | C8H7N | 000140-29-4 | 15 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
Data File : VU048336.D
Acq On : 28 Apr 2022 13:17
Operator : SY/MD
Sample : N2587-08DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| (DEL) Alkane: S... | 1.359 | 48.7 | ug/L | 743682 | 1 | 6.250 | 763231 | 50.0 |
| (DEL) Alkane: C... | 1.475 | 3.8 | ug/L | 58283 | 1 | 6.250 | 763231 | 50.0 |
| Furan, tetrahyd... | 6.513 | 4.3 | ug/L | 65574 | 1 | 6.250 | 763231 | 50.0 |
| Furan, tetrahyd... | 6.774 | 4.5 | ug/L | 69124 | 1 | 6.250 | 763231 | 50.0 |
| Thietane | 6.996 | 6.0 | ug/L | 92187 | 1 | 6.250 | 763231 | 50.0 |
| 2H-Pyran, tetra... | 7.488 | 39.3 | ug/L | 599278 | 1 | 6.250 | 763231 | 50.0 |
| Propanal, 2,3-d... | 8.574 | 54.8 | ug/L | 3797020 | 2 | 9.417 | 3464910 | 50.0 |
| Thiepane | 11.880 | 3.7 | ug/L | 76815 | 3 | 11.812 | 1046270 | 50.0 |
| unknown-01 | 12.706 | 2.8 | ug/L | 59055 | 3 | 11.812 | 1046270 | 50.0 |
| Benzene, 1-brom... | 12.970 | 3.9 | ug/L | 82103 | 3 | 11.812 | 1046270 | 50.0 |
| Hexane, 1,6-dic... | 13.375 | 53.6 | ug/L | 1122320 | 3 | 11.812 | 1046270 | 50.0 |
| unknown-02 | 14.430 | 8.0 | ug/L | 166711 | 3 | 11.812 | 1046270 | 50.0 |
| unknown-03 | 14.494 | 17.1 | ug/L | 358678 | 3 | 11.812 | 1046270 | 50.0 |
| unknown-04 | 15.545 | 80.5 | ug/L | 1684950 | 3 | 11.812 | 1046270 | 50.0 |
| unknown-05 | 16.391 | 8.7 | ug/L | 181788 | 3 | 11.812 | 1046270 | 50.0 |