LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

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\SFAMULM112921WMA.M
Title : VOC Analysis

Signal : TIC: VU046093.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.597 | 71 | 80 | 101 | rVB | 147565 | 196664 | 0.94% | 0.254% |
| 2 | 1.915 | 170 | 179 | 198 | rVB | 84618 | 146554 | 0.70% | 0.189% |
| 3 | 2.542 | 362 | 374 | 389 | rBV | 264803 | 436359 | 2.10% | 0.563% |
| 4 | 3.176 | 557 | 571 | 591 | rBV2 | 5523 | 14763 | 0.07% | 0.019% |
| 5 | 4.655 | 1009 | 1031 | 1094 | rBV | 74460 | 332837 | 1.60% | 0.430% |
| 6 | 5.063 | 1141 | 1158 | 1190 | rVB | 227411 | 552941 | 2.66% | 0.714% |
| 7 | 5.722 | 1340 | 1363 | 1385 | rBV2 | 566649 | 1439903 | 6.92% | 1.858% |
| 8 | 5.980 | 1431 | 1443 | 1455 | rBV4 | 5855 | 13789 | 0.07% | 0.018% |
| 9 | 6.250 | 1511 | 1527 | 1553 | rBV | 200684 | 399116 | 1.92% | 0.515% |
| 10 | 6.529 | 1597 | 1614 | 1627 | rBV7 | 5424 | 12577 | 0.06% | 0.016% |
| 11 | 6.690 | 1649 | 1664 | 1679 | rBV | 316169 | 645072 | 3.10% | 0.832% |
| 12 | 6.758 | 1680 | 1685 | 1694 | rVB4 | 15299 | 24295 | 0.12% | 0.031% |
| 13 | 6.861 | 1708 | 1717 | 1727 | rVB5 | 5646 | 10216 | 0.05% | 0.013% |
| 14 | 7.250 | 1823 | 1838 | 1851 | rVB9 | 3312 | 8120 | 0.04% | 0.010% |
| 15 | 7.423 | 1884 | 1892 | 1903 | rVB5 | 4834 | 8156 | 0.04% | 0.011% |
| 16 | 7.497 | 1904 | 1915 | 1922 | rBV3 | 22389 | 40044 | 0.19% | 0.052% |
| 17 | 7.568 | 1922 | 1937 | 1956 | rVB | 178587 | 350600 | 1.68% | 0.452% |
| 18 | 7.655 | 1956 | 1964 | 1986 | rVB | 25039 | 51672 | 0.25% | 0.067% |
| 19 | 7.854 | 2011 | 2026 | 2028 | rBV7 | 15537 | 28394 | 0.14% | 0.037% |
| 20 | 7.899 | 2028 | 2040 | 2055 | rVB | 676060 | 1244676 | 5.98% | 1.606% |
| 21 | 7.970 | 2055 | 2062 | 2073 | rVB | 20786 | 35721 | 0.17% | 0.046% |
| 22 | 8.034 | 2075 | 2082 | 2096 | rVB4 | 4503 | 9432 | 0.05% | 0.012% |
| 23 | 8.182 | 2115 | 2128 | 2142 | rBV | 114705 | 243051 | 1.17% | 0.314% |
| 24 | 8.369 | 2176 | 2186 | 2195 | rBV4 | 10702 | 19095 | 0.09% | 0.025% |
| 25 | 8.536 | 2226 | 2238 | 2248 | rBV5 | 8167 | 15461 | 0.07% | 0.020% |
| 26 | 8.684 | 2256 | 2284 | 2299 | rBV | 267857 | 793768 | 3.81% | 1.024% |
| 27 | 8.864 | 2332 | 2340 | 2350 | rVB | 45256 | 69014 | 0.33% | 0.089% |
| 28 | 8.925 | 2350 | 2359 | 2367 | rBV2 | 25101 | 48281 | 0.23% | 0.062% |
| 29 | 9.057 | 2387 | 2400 | 2411 | rBV5 | 16135 | 39444 | 0.19% | 0.051% |
| 30 | 9.124 | 2412 | 2421 | 2426 | rVV | 21994 | 40750 | 0.20% | 0.053% |
| 31 | 9.166 | 2426 | 2434 | 2441 | rVV3 | 47218 | 94602 | 0.45% | 0.122% |
| 32 | 9.211 | 2441 | 2448 | 2461 | rVB3 | 61875 | 112956 | 0.54% | 0.146% |
| 33 | 9.336 | 2470 | 2487 | 2500 | rBV2 | 93989 | 168238 | 0.81% | 0.217% |
| 34 | 9.430 | 2502 | 2516 | 2532 | rBV | 229182 | 510847 | 2.45% | 0.659% |
| 35 | 9.510 | 2532 | 2541 | 2548 | rBV | 32613 | 50881 | 0.24% | 0.066% |
| 36 | 9.578 | 2548 | 2562 | 2583 | rBV | 3357687 | 6442637 | 30.95% | 8.314% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
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Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

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\SFAMULM112921WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 9.700 | 2584 | 2600 | 2616 | rBV | 10760330 | 20813447 | 100.00% | 26.860% |
| 38 | 9.893 | 2646 | 2660 | 2669 | rBV5 | 16256 | 32660 | 0.16% | 0.042% |
| 39 | 9.954 | 2670 | 2679 | 2689 | rBV4 | 10494 | 21012 | 0.10% | 0.027% |
| 40 | 10.024 | 2689 | 2701 | 2712 | rBV6 | 104409 | 255462 | 1.23% | 0.330% |
| 41 | 10.108 | 2714 | 2727 | 2742 | rVB | 2068988 | 3931938 | 18.89% | 5.074% |
| 42 | 10.253 | 2754 | 2772 | 2785 | rBV4 | 151639 | 355300 | 1.71% | 0.459% |
| 43 | 10.317 | 2786 | 2792 | 2795 | rBV3 | 18307 | 23002 | 0.11% | 0.030% |
| 44 | 10.356 | 2795 | 2804 | 2812 | rBV4 | 151170 | 264715 | 1.27% | 0.342% |
| 45 | 10.491 | 2828 | 2846 | 2855 | rBV | 146977 | 308645 | 1.48% | 0.398% |
| 46 | 10.558 | 2856 | 2867 | 2875 | rVV4 | 92788 | 179298 | 0.86% | 0.231% |
| 47 | 10.626 | 2876 | 2888 | 2896 | rVB2 | 132774 | 233429 | 1.12% | 0.301% |
| 48 | 10.770 | 2922 | 2933 | 2943 | rBV | 436649 | 792585 | 3.81% | 1.023% |
| 49 | 10.912 | 2966 | 2977 | 2988 | rBV | 565430 | 965181 | 4.64% | 1.246% |
| 50 | 11.005 | 2995 | 3006 | 3022 | rBV | 1320339 | 3154226 | 15.15% | 4.071% |
| 51 | 11.095 | 3023 | 3034 | 3056 | rVB | 1261784 | 2303404 | 11.07% | 2.973% |
| 52 | 11.201 | 3058 | 3067 | 3074 | rVB8 | 24936 | 47396 | 0.23% | 0.061% |
| 53 | 11.246 | 3075 | 3081 | 3086 | rBV2 | 19879 | 27594 | 0.13% | 0.036% |
| 54 | 11.301 | 3086 | 3098 | 3114 | rBV | 664157 | 1214213 | 5.83% | 1.567% |
| 55 | 11.378 | 3115 | 3122 | 3127 | rBV3 | 75494 | 106024 | 0.51% | 0.137% |
| 56 | 11.420 | 3127 | 3135 | 3141 | rVV2 | 222059 | 319859 | 1.54% | 0.413% |
| 57 | 11.475 | 3141 | 3152 | 3174 | rVB | 3467804 | 5756787 | 27.66% | 7.429% |
| 58 | 11.574 | 3175 | 3183 | 3188 | rBV2 | 84083 | 133661 | 0.64% | 0.172% |
| 59 | 11.616 | 3189 | 3196 | 3200 | rVV | 146798 | 215244 | 1.03% | 0.278% |
| 60 | 11.648 | 3201 | 3206 | 3215 | rVB | 236333 | 354118 | 1.70% | 0.457% |
| 61 | 11.709 | 3216 | 3225 | 3230 | rBV4 | 132608 | 231191 | 1.11% | 0.298% |
| 62 | 11.748 | 3231 | 3237 | 3246 | rVV | 368072 | 551118 | 2.65% | 0.711% |
| 63 | 11.819 | 3246 | 3259 | 3270 | rVB4 | 368618 | 923110 | 4.44% | 1.191% |
| 64 | 11.899 | 3271 | 3284 | 3295 | rBV | 935827 | 1561970 | 7.50% | 2.016% |
| 65 | 12.102 | 3335 | 3347 | 3351 | rBV2 | 852119 | 1337958 | 6.43% | 1.727% |
| 66 | 12.131 | 3352 | 3356 | 3364 | rVV | 878720 | 1195776 | 5.75% | 1.543% |
| 67 | 12.195 | 3364 | 3376 | 3391 | rVB6 | 1667570 | 3364216 | 16.16% | 4.342% |
| 68 | 12.317 | 3404 | 3414 | 3425 | rBV4 | 230842 | 431603 | 2.07% | 0.557% |
| 69 | 12.381 | 3426 | 3434 | 3449 | rVB | 414971 | 705203 | 3.39% | 0.910% |
| 70 | 12.468 | 3451 | 3461 | 3466 | rBV | 460291 | 736791 | 3.54% | 0.951% |
| 71 | 12.500 | 3466 | 3471 | 3480 | rVB | 479521 | 666293 | 3.20% | 0.860% |
| 72 | 12.574 | 3486 | 3494 | 3502 | rVB | 567926 | 786620 | 3.78% | 1.015% |
| 73 | 12.709 | 3518 | 3536 | 3550 | rVB8 | 218702 | 667013 | 3.20% | 0.861% |
| 74 | 12.815 | 3560 | 3569 | 3580 | rBV5 | 102028 | 249090 | 1.20% | 0.321% |
| 75 | 12.876 | 3581 | 3588 | 3597 | rVB3 | 204716 | 333259 | 1.60% | 0.430% |
| 76 | 12.976 | 3598 | 3619 | 3627 | rBV | 378212 | 788123 | 3.79% | 1.017% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

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\SFAMULM112921WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.031 | 3627 | 3636 | 3652 | rVB | 547912 | 898445 | 4.32% | 1.159% |
| 78 | 13.111 | 3654 | 3661 | 3680 | rVB5 | 95138 | 241240 | 1.16% | 0.311% |
| 79 | 13.201 | 3681 | 3689 | 3700 | rBV2 | 60685 | 110192 | 0.53% | 0.142% |
| 80 | 13.262 | 3701 | 3708 | 3710 | rBV4 | 37981 | 45808 | 0.22% | 0.059% |
| 81 | 13.294 | 3713 | 3718 | 3727 | rVB3 | 83909 | 123654 | 0.59% | 0.160% |
| 82 | 13.352 | 3731 | 3736 | 3744 | rVB4 | 37605 | 51815 | 0.25% | 0.067% |
| 83 | 13.407 | 3745 | 3753 | 3757 | rBV2 | 60097 | 94206 | 0.45% | 0.122% |
| 84 | 13.455 | 3758 | 3768 | 3782 | rVB4 | 351468 | 683390 | 3.28% | 0.882% |
| 85 | 13.565 | 3797 | 3802 | 3804 | rBV | 22159 | 23196 | 0.11% | 0.030% |
| 86 | 13.587 | 3805 | 3809 | 3814 | rVV2 | 48334 | 69060 | 0.33% | 0.089% |
| 87 | 13.629 | 3815 | 3822 | 3846 | rVB2 | 186354 | 400516 | 1.92% | 0.517% |
| 88 | 13.735 | 3847 | 3855 | 3864 | rBV5 | 34757 | 70580 | 0.34% | 0.091% |
| 89 | 13.838 | 3879 | 3887 | 3901 | rBV4 | 59716 | 134509 | 0.65% | 0.174% |
| 90 | 14.089 | 3955 | 3965 | 3984 | rVB | 767141 | 1280075 | 6.15% | 1.652% |
| 91 | 14.452 | 4074 | 4078 | 4084 | rBV | 12670 | 12540 | 0.06% | 0.016% |
| 92 | 14.671 | 4137 | 4146 | 4157 | rVB10 | 35586 | 74377 | 0.36% | 0.096% |
| 93 | 15.224 | 4305 | 4318 | 4329 | rVB | 664183 | 1057708 | 5.08% | 1.365% |
| 94 | 15.343 | 4349 | 4355 | 4361 | rBV6 | 21997 | 33276 | 0.16% | 0.043% |
| 95 | 15.410 | 4366 | 4376 | 4399 | rVB | 347226 | 600850 | 2.89% | 0.775% |
| 96 | 16.150 | 4599 | 4606 | 4612 | rBV5 | 31366 | 48621 | 0.23% | 0.063% |
| 97 | 16.262 | 4634 | 4641 | 4657 | rVB | 59795 | 107210 | 0.52% | 0.138% |
| 98 | 16.410 | 4679 | 4687 | 4694 | rBV | 106503 | 157099 | 0.75% | 0.203% |
| 99 | 16.545 | 4724 | 4729 | 4738 | rVB4 | 52704 | 73887 | 0.35% | 0.095% |
| 100 | 17.117 | 4902 | 4907 | 4921 | rVB3 | 62757 | 107050 | 0.51% | 0.138% |

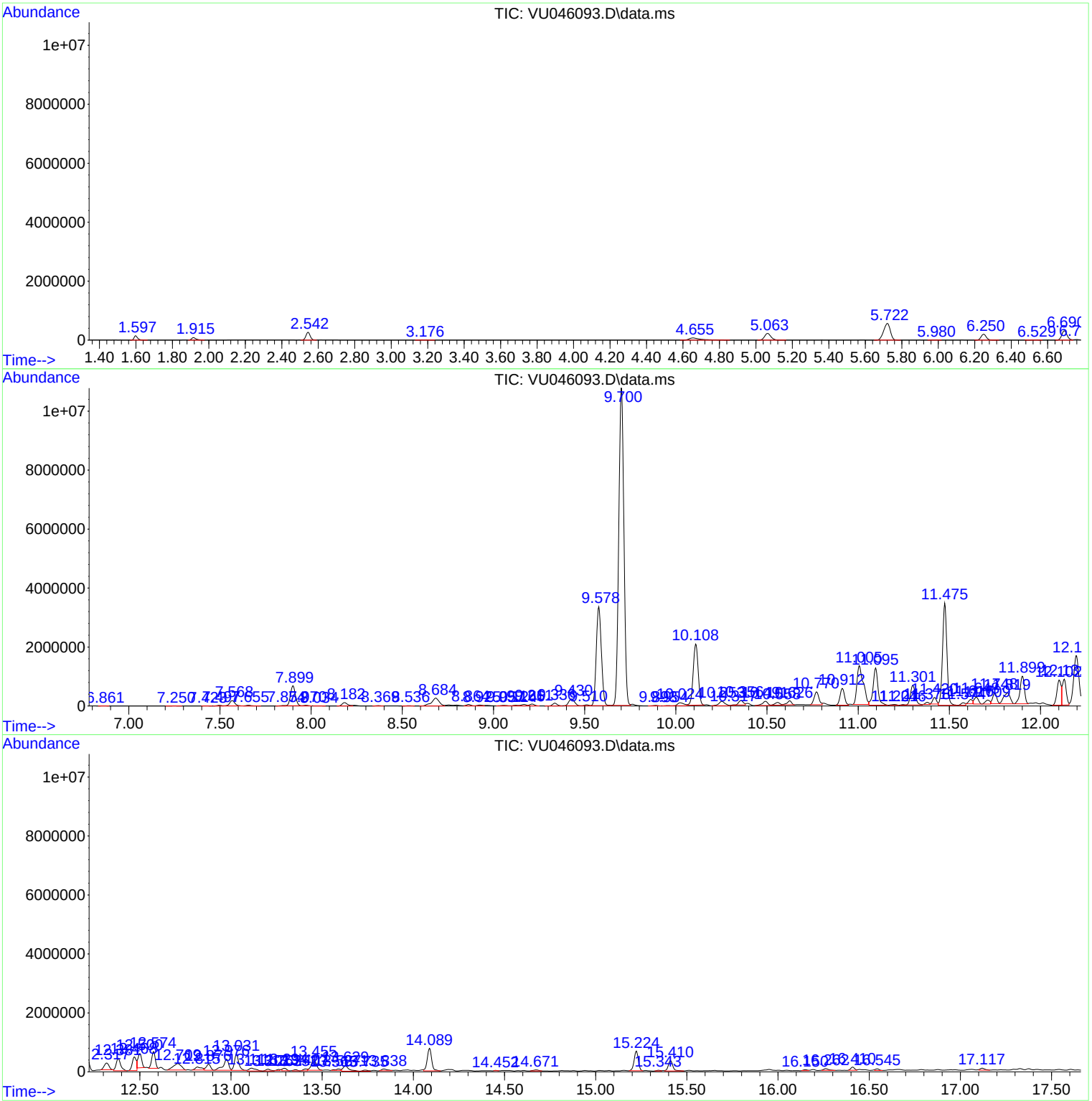
Sum of corrected areas: 77488764

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

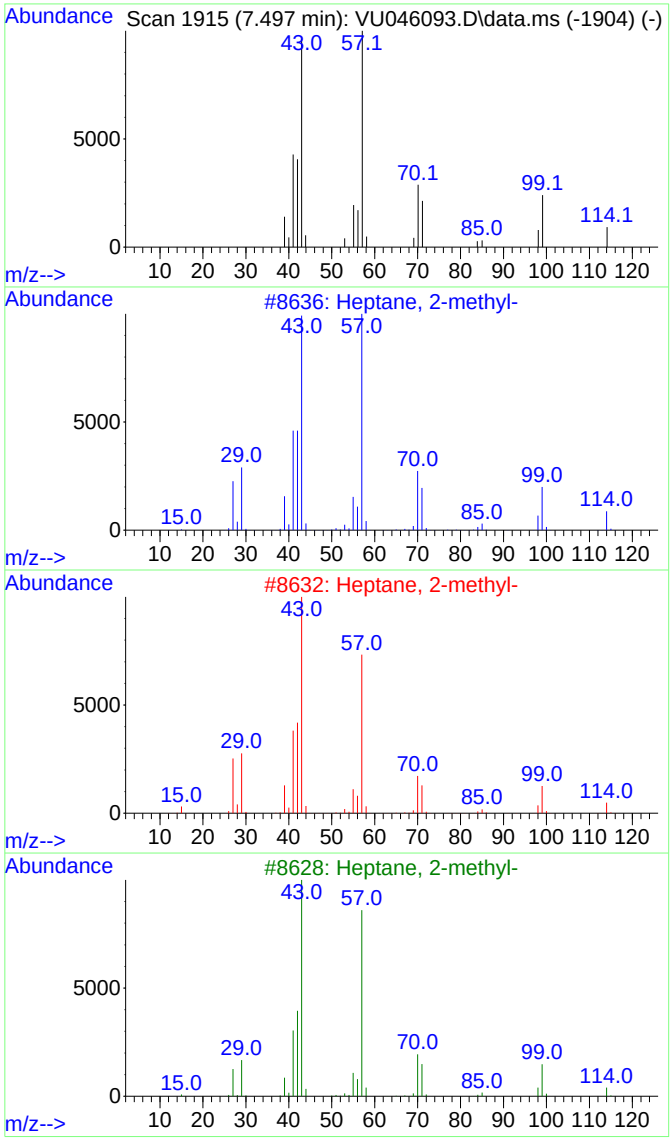
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

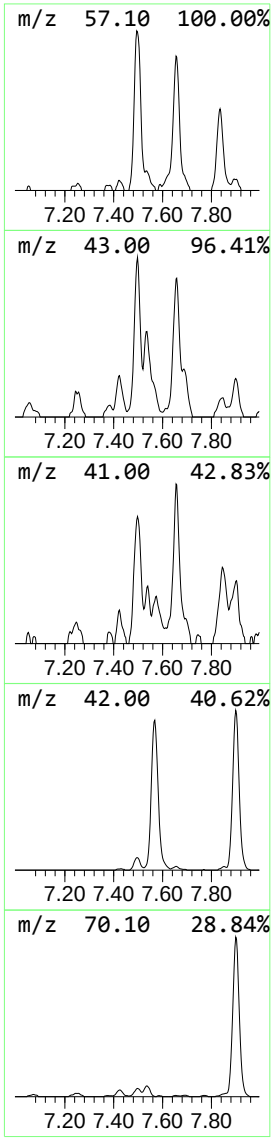
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 48

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.497 | 5.02 ug/L | 40044 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2-methyl- | 114 | C8H18 | 000592-27-8 | 94 |
| 2 | Heptane, 2-methyl- | 114 | C8H18 | 000592-27-8 | 91 |
| 3 | Heptane, 2-methyl- | 114 | C8H18 | 000592-27-8 | 91 |
| 4 | Hexane, 2,5-dimethyl- | 114 | C8H18 | 000592-13-2 | 72 |
| 5 | Hexane, 2,5-dimethyl- | 114 | C8H18 | 000592-13-2 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

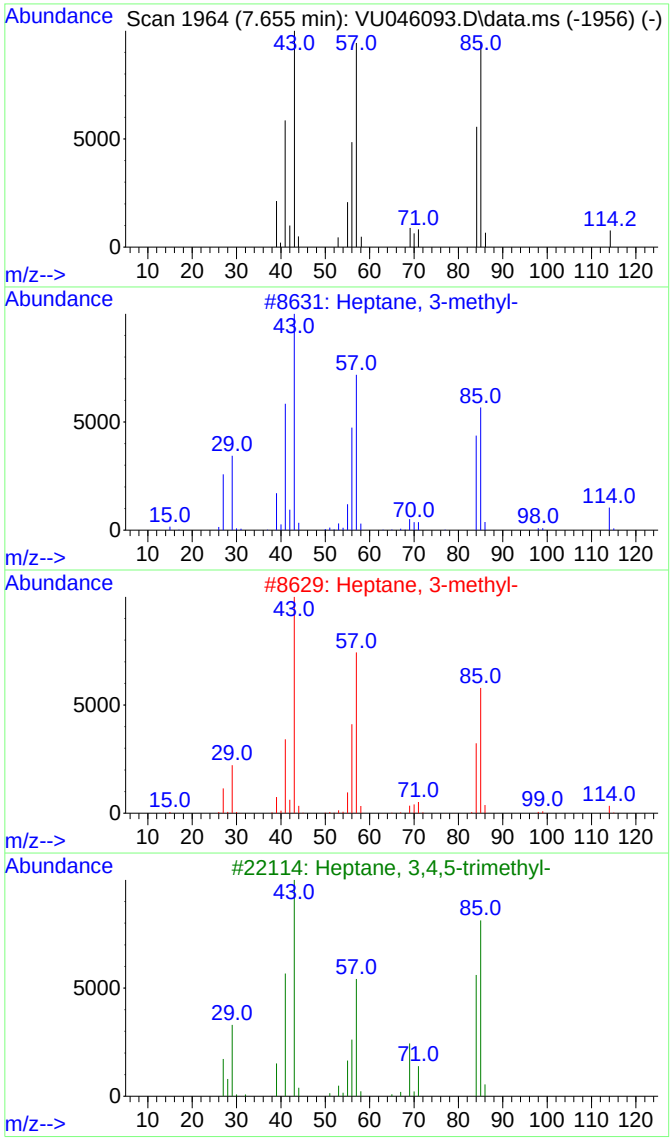
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

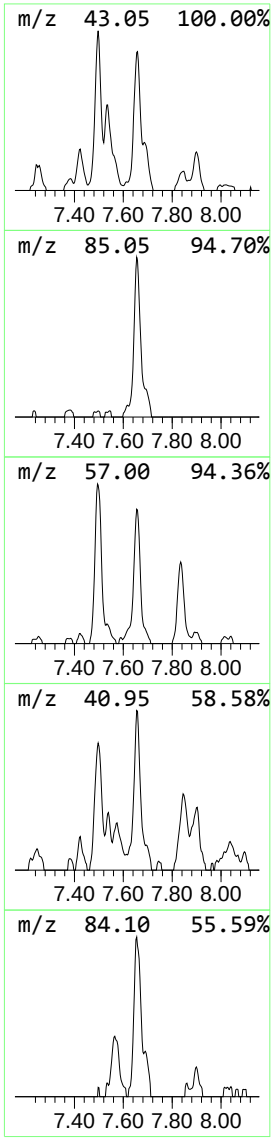
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.655 | 6.47 ug/L | 51672 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3-methyl- | 114 | C8H18 | 000589-81-1 | 95 |
| 2 | Heptane, 3-methyl- | 114 | C8H18 | 000589-81-1 | 90 |
| 3 | Heptane, 3,4,5-trimethyl- | 142 | C10H22 | 020278-89-1 | 78 |
| 4 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 72 |
| 5 | Oxalic acid, butyl isohexyl ester | 230 | C12H22O4 | 1000309-32-7 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

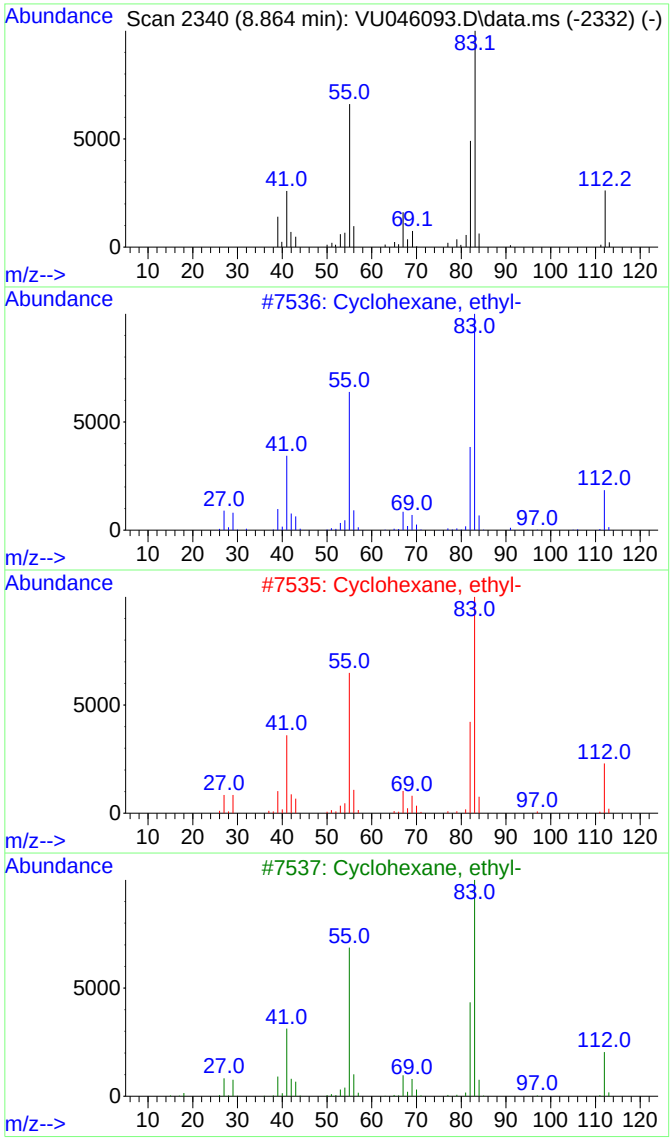
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

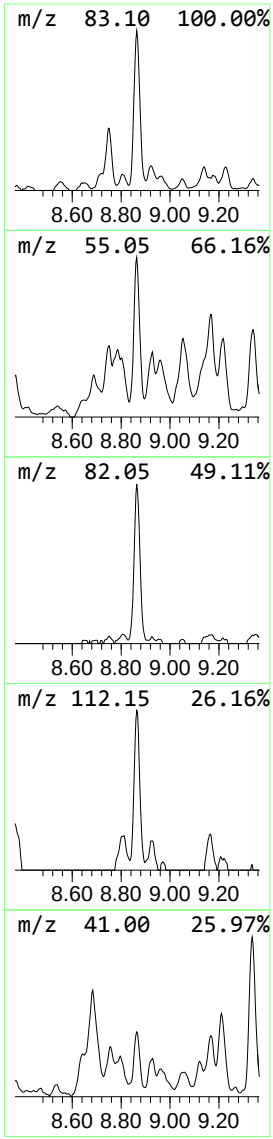
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 (DEL) Alkane: Cyclic8.864 Concentration Rank 40

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.864 | 6.75 ug/L | 69014 | Chlorobenzene-d5 | 9.426 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 91 |
| 2 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 91 |
| 3 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 90 |
| 4 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 78 |
| 5 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

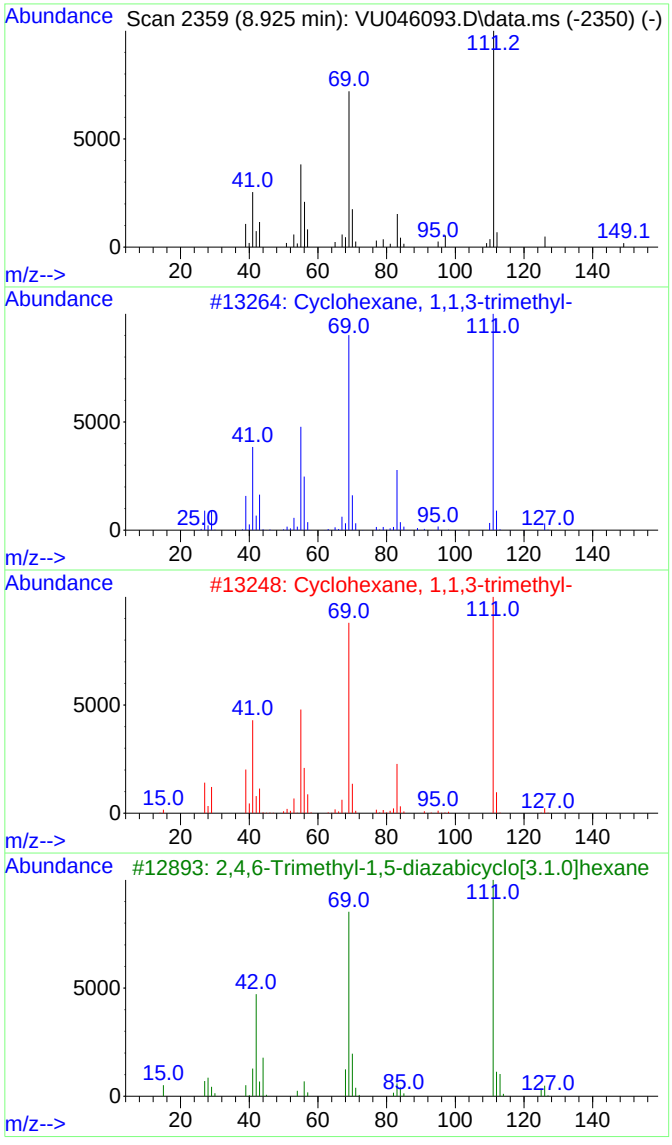
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

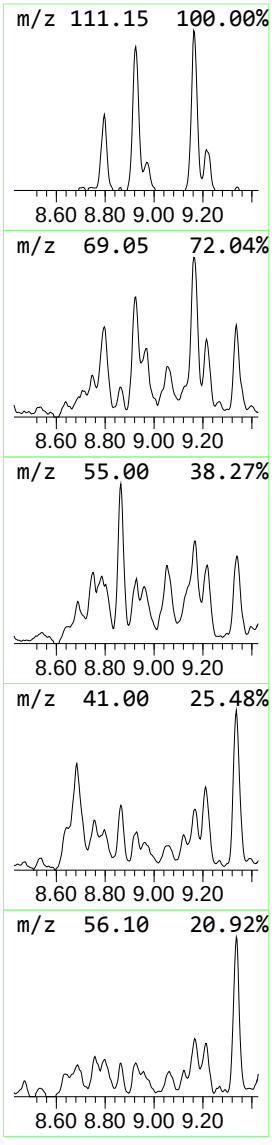
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 (DEL) Alkane: Cyclic8.925 Concentration Rank 50

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.925 | 4.73 ug/L | 48281 | Chlorobenzene-d5 | 9.426 |

| 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 | 86 |
| 3 | 2,4,6-Trimethyl-1,5-diazabicyclo... | 126 | C7H14N2 | 1000283-21-2 | 59 |
| 4 | 4-Amino-6-hydroxypyrimidine | 111 | C4H5N3O | 001193-22-2 | 53 |
| 5 | Cyclooctane, butyl- | 168 | C12H24 | 016538-93-5 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

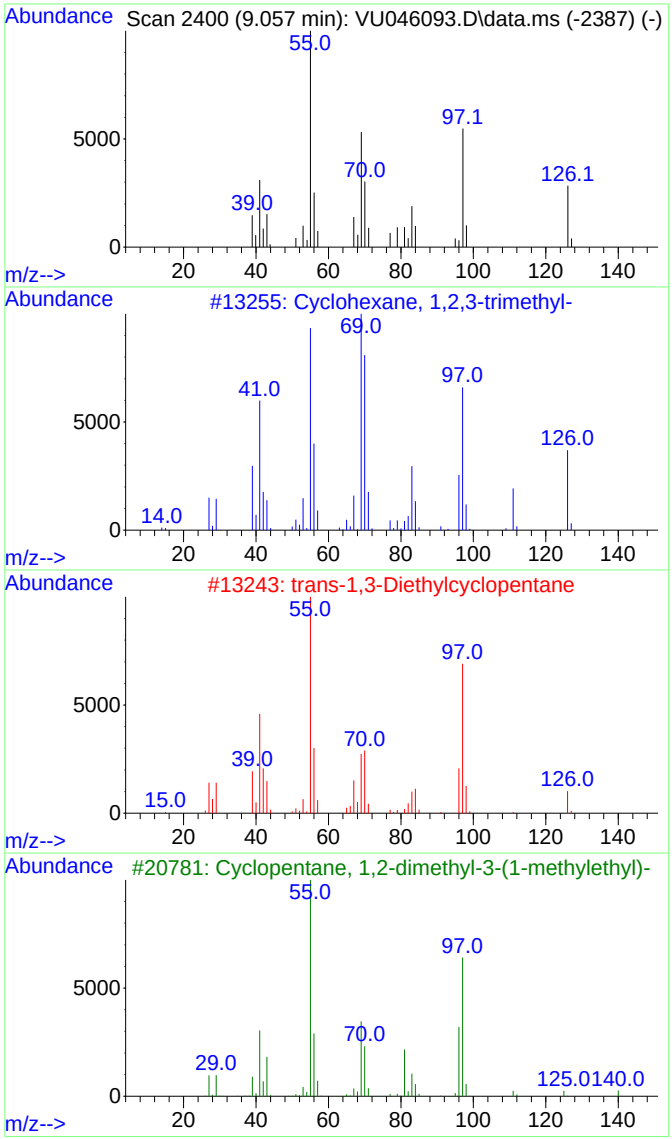
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

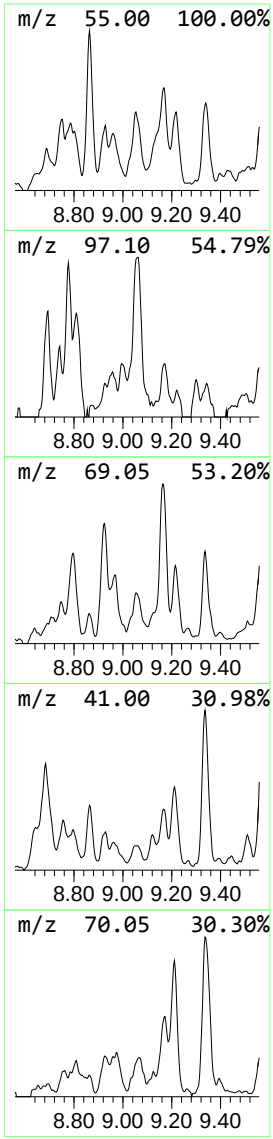
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 (DEL) Alkane: Cyclic9.057 Concentration Rank 54

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.057 | 3.86 ug/L | 39444 | Chlorobenzene-d5 | 9.426 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2,3-trimethyl- | 126 | C9H18 | 001678-97-3 | 64 |
| 2 | trans-1,3-Diethylcyclopentane | 126 | C9H18 | 1000113-87-1 | 64 |
| 3 | Cyclopentane, 1,2-dimethyl-3-(1-... | 140 | C10H20 | 000489-20-3 | 59 |
| 4 | 3-Heptene, 3-ethyl- | 126 | C9H18 | 074764-46-8 | 50 |
| 5 | Cyclohexane, 1,2,3-trimethyl-, (... | 126 | C9H18 | 001839-88-9 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

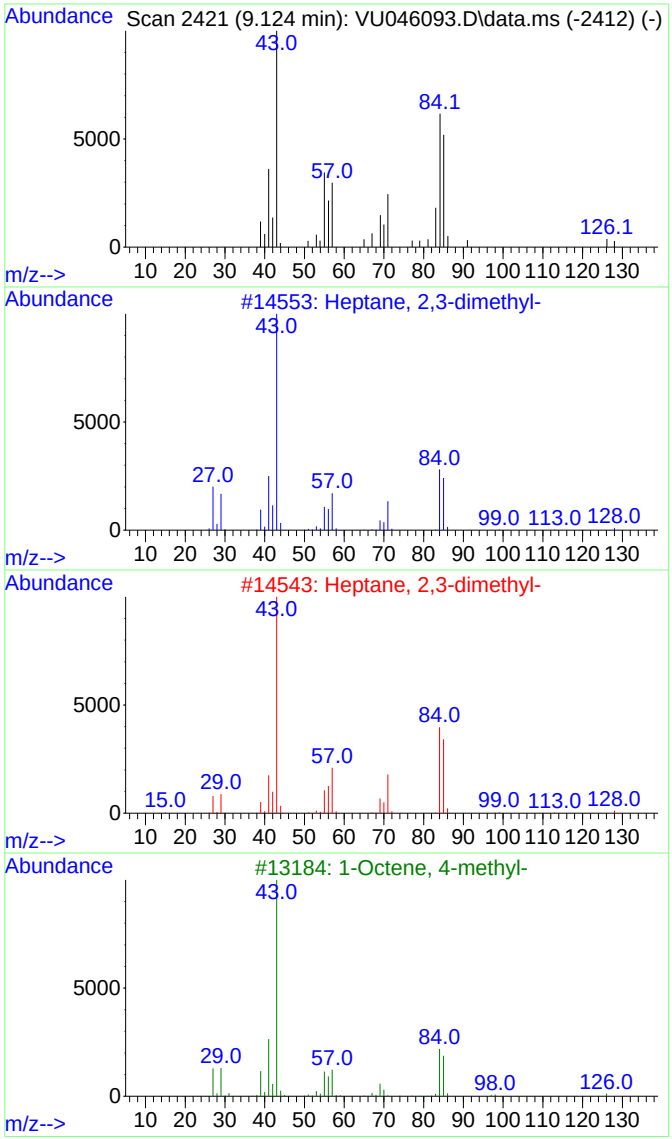
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

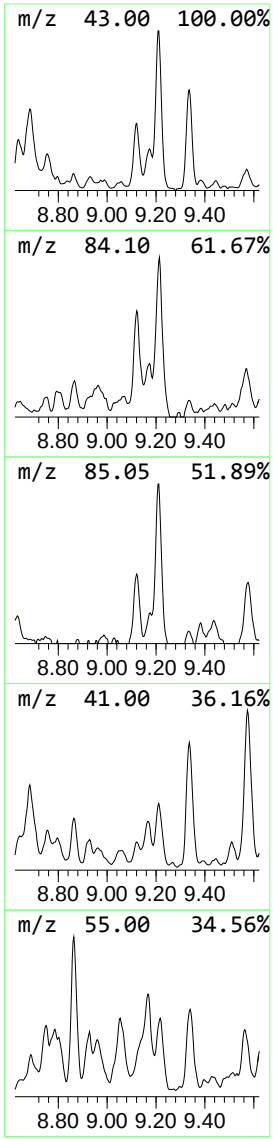
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 53

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.124 | 3.99 ug/L | 40750 | Chlorobenzene-d5 | 9.426 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 74 |
| 2 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 74 |
| 3 | 1-Octene, 4-methyl- | 126 | C9H18 | 013151-12-7 | 70 |
| 4 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 64 |
| 5 | Sulfurous acid, hexyl pentadecyl... | 376 | C21H44O3S | 1000309-13-7 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

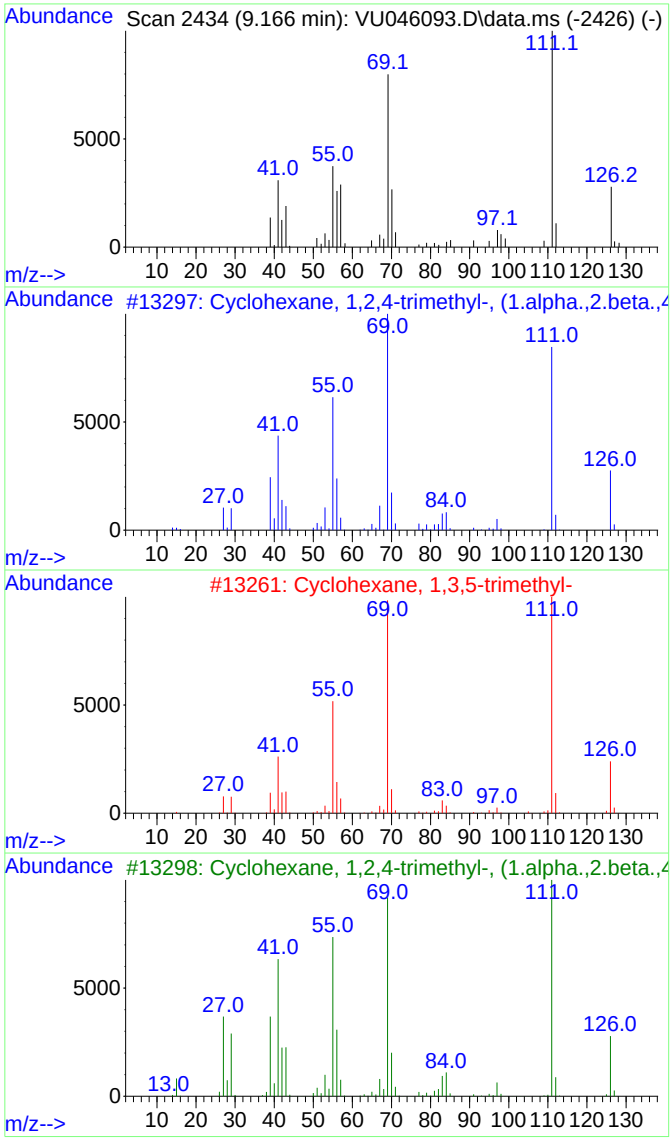
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

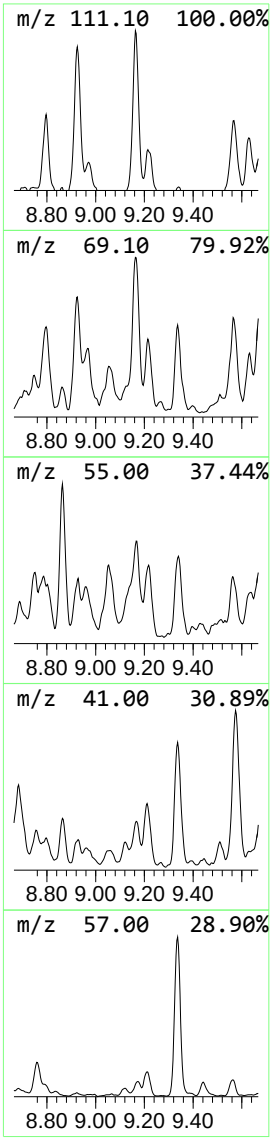
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 (DEL) Alkane: Cyclic9.166 Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.166 | 9.26 ug/L | 94602 | Chlorobenzene-d5 | 9.426 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2,4-trimethyl-, (... | 126 | C9H18 | 007667-60-9 | 86 |
| 2 | Cyclohexane, 1,3,5-trimethyl- | 126 | C9H18 | 001839-63-0 | 80 |
| 3 | Cyclohexane, 1,2,4-trimethyl-, (... | 126 | C9H18 | 007667-60-9 | 78 |
| 4 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-27-3 | 72 |
| 5 | Cyclohexane, 1,3,5-trimethyl- | 126 | C9H18 | 001839-63-0 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

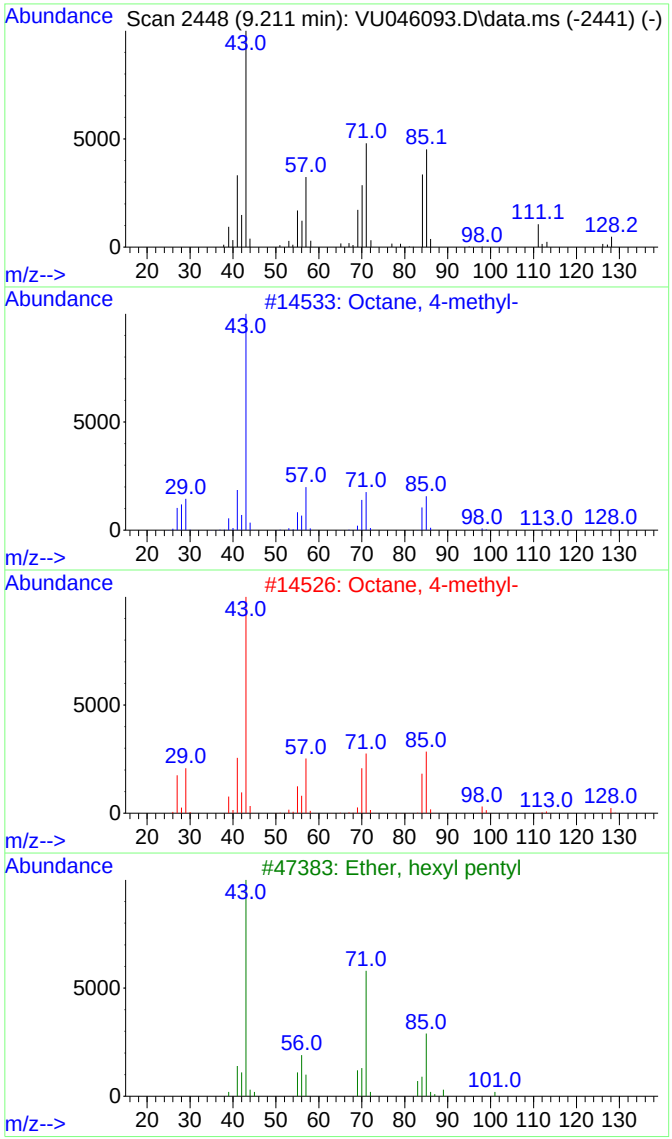
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

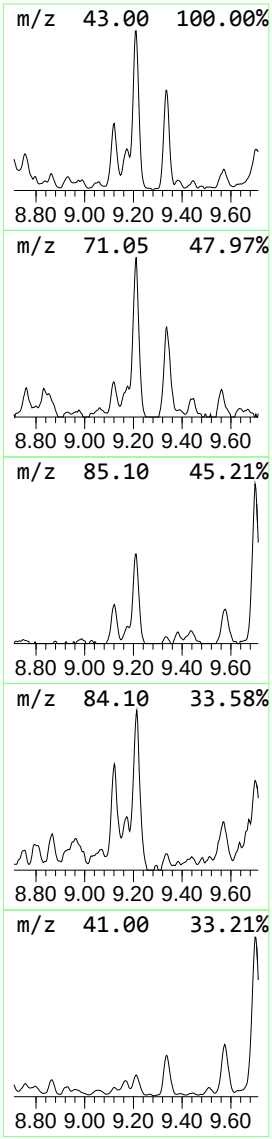
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.211 | 11.06 ug/L | 112956 | Chlorobenzene-d5 | 9.426 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 4-methyl- | 128 | C9H20 | 002216-34-4 | 87 |
| 2 | Octane, 4-methyl- | 128 | C9H20 | 002216-34-4 | 81 |
| 3 | Ether, hexyl pentyl | 172 | C11H24O | 032357-83-8 | 64 |
| 4 | Octane, 4-methyl- | 128 | C9H20 | 002216-34-4 | 62 |
| 5 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

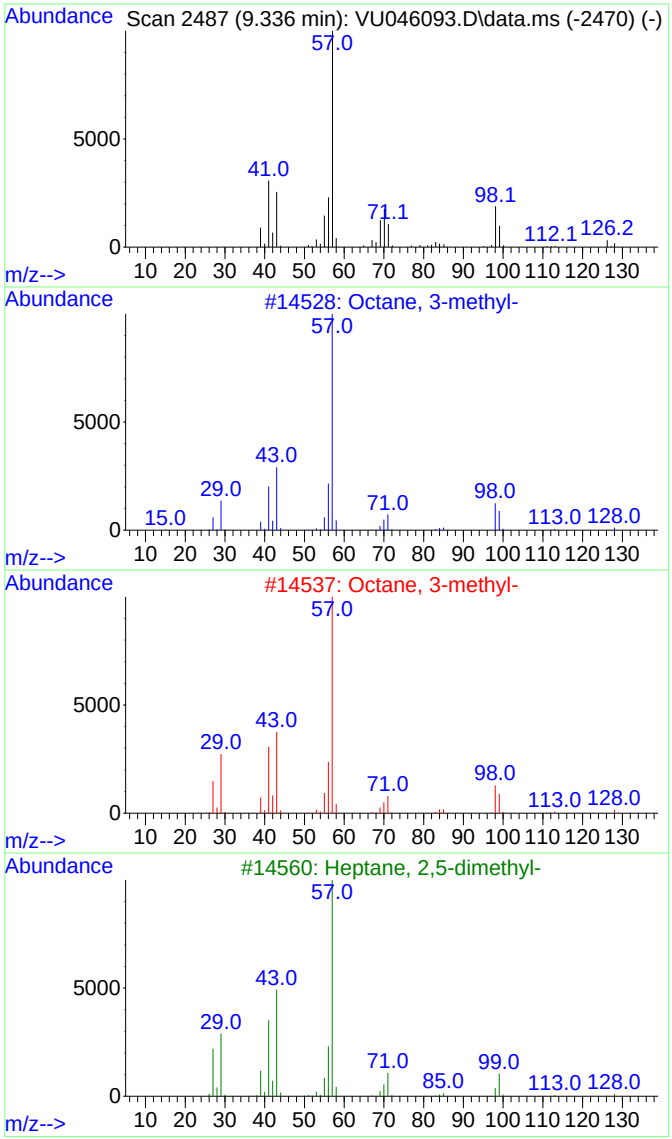
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

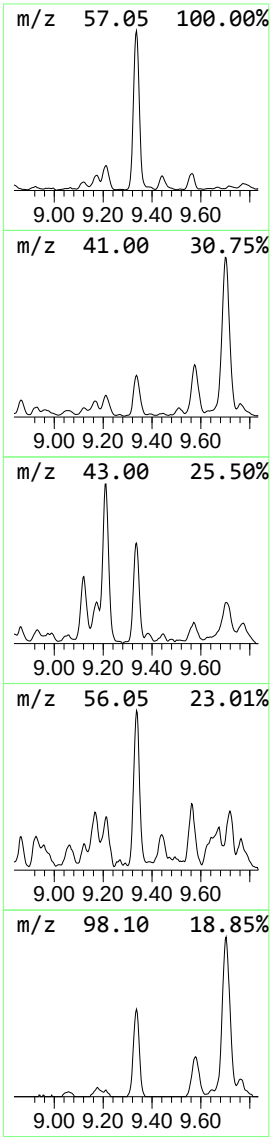
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.336 | 16.47 ug/L | 168238 | Chlorobenzene-d5 | 9.426 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 80 |
| 2 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 80 |
| 3 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 72 |
| 4 | Heptane, 3-ethyl- | 128 | C9H20 | 015869-80-4 | 64 |
| 5 | Heptane, 3-ethyl- | 128 | C9H20 | 015869-80-4 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

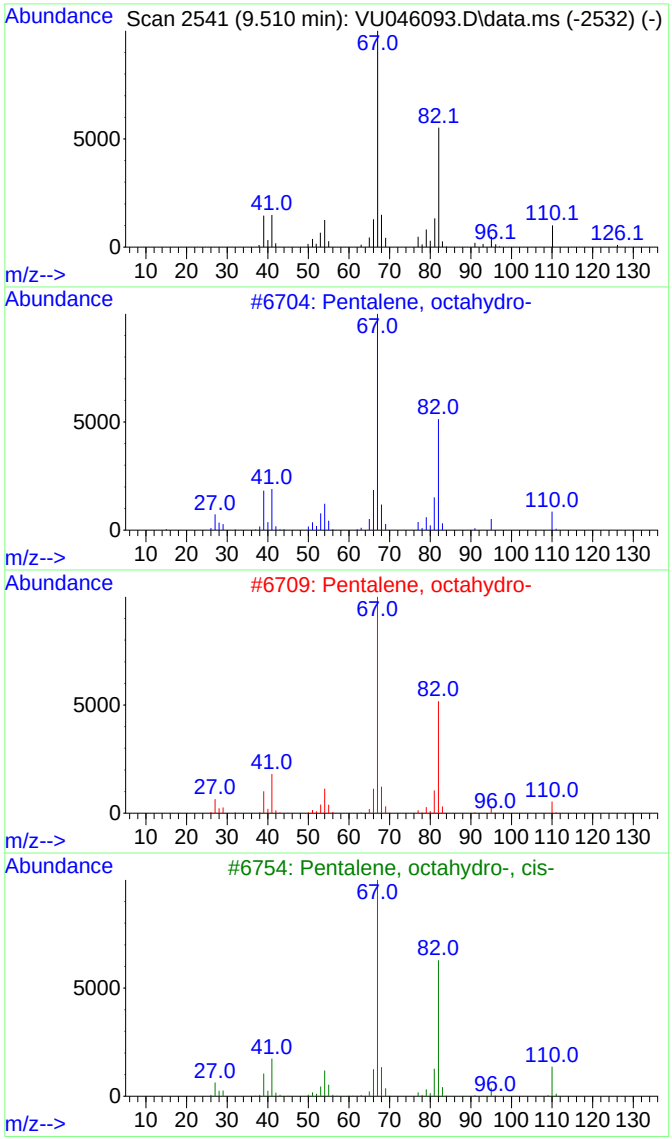
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

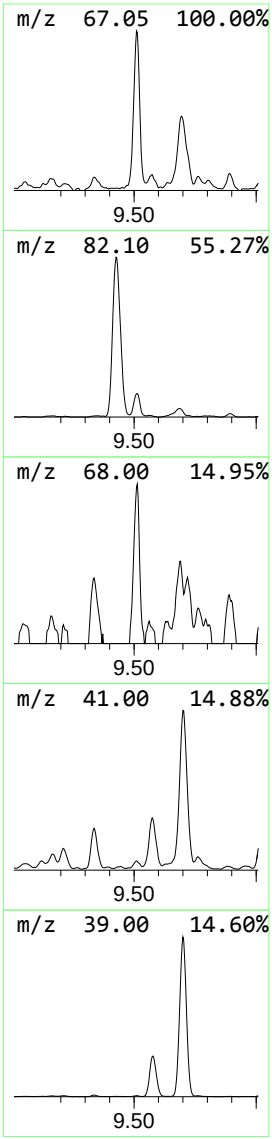
**********

Peak Number 11 Pentalene, octahydro- Concentration Rank 49

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.510 | 4.98 ug/L | 50881 | Chlorobenzene-d5 | 9.426 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentalene, octahydro- | 110 | C8H14 | 000694-72-4 | 94 |
| 2 | Pentalene, octahydro- | 110 | C8H14 | 000694-72-4 | 91 |
| 3 | Pentalene, octahydro-, cis- | 110 | C8H14 | 001755-05-1 | 91 |
| 4 | Pentalene, octahydro-, cis- | 110 | C8H14 | 001755-05-1 | 87 |
| 5 | Fomepizole | 82 | C4H6N2 | 007554-65-6 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

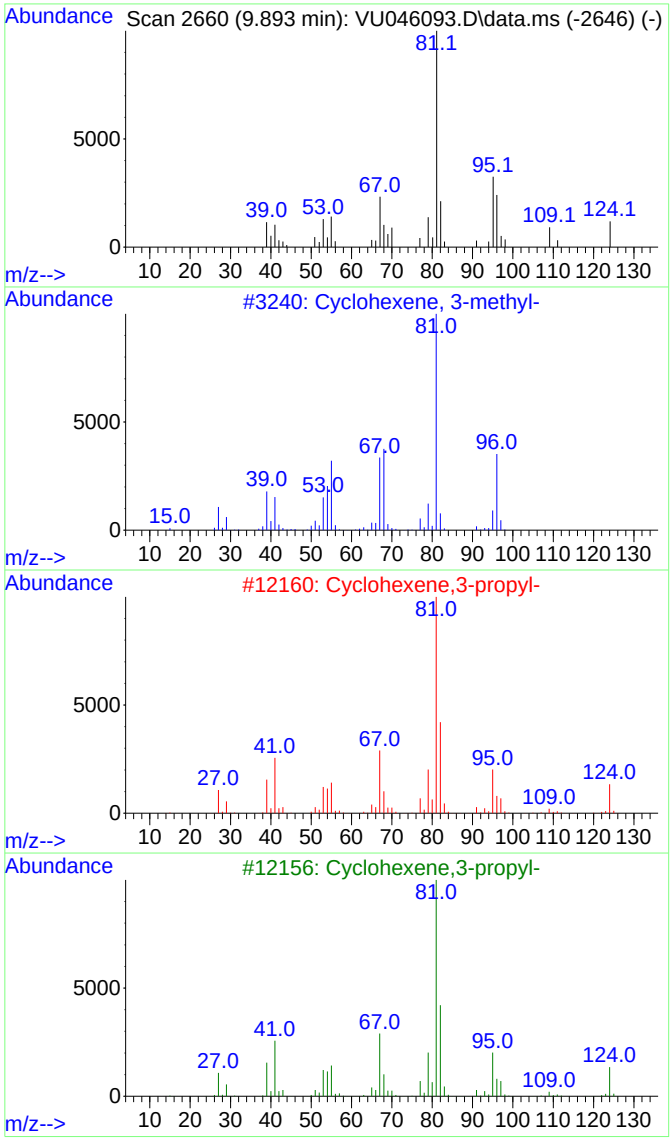
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

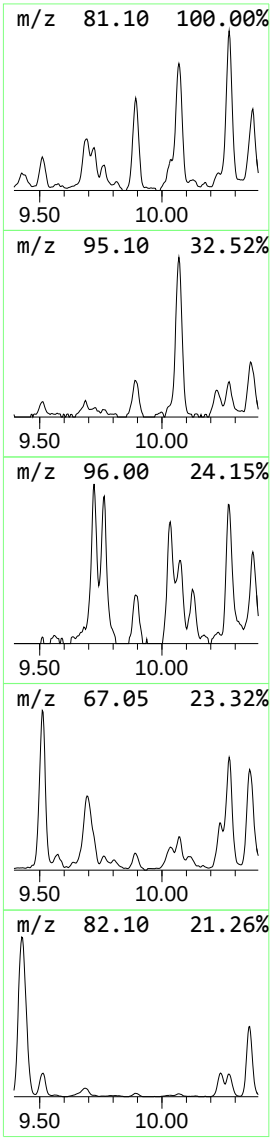
**********

Peak Number 12 Cyclohexene, 3-methyl- Concentration Rank 57

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.893 | 3.20 ug/L | 32660 | Chlorobenzene-d5 | 9.426 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexene, 3-methyl- | 96 | C7H12 | 000591-48-0 | 62 |
| 2 | Cyclohexene,3-propyl- | 124 | C9H16 | 003983-06-0 | 58 |
| 3 | Cyclohexene,3-propyl- | 124 | C9H16 | 003983-06-0 | 58 |
| 4 | Cyclohexene, 3-methyl- | 96 | C7H12 | 000591-48-0 | 58 |
| 5 | Cyclopentane, 1-methyl-2-methylene- | 96 | C7H12 | 041158-41-2 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

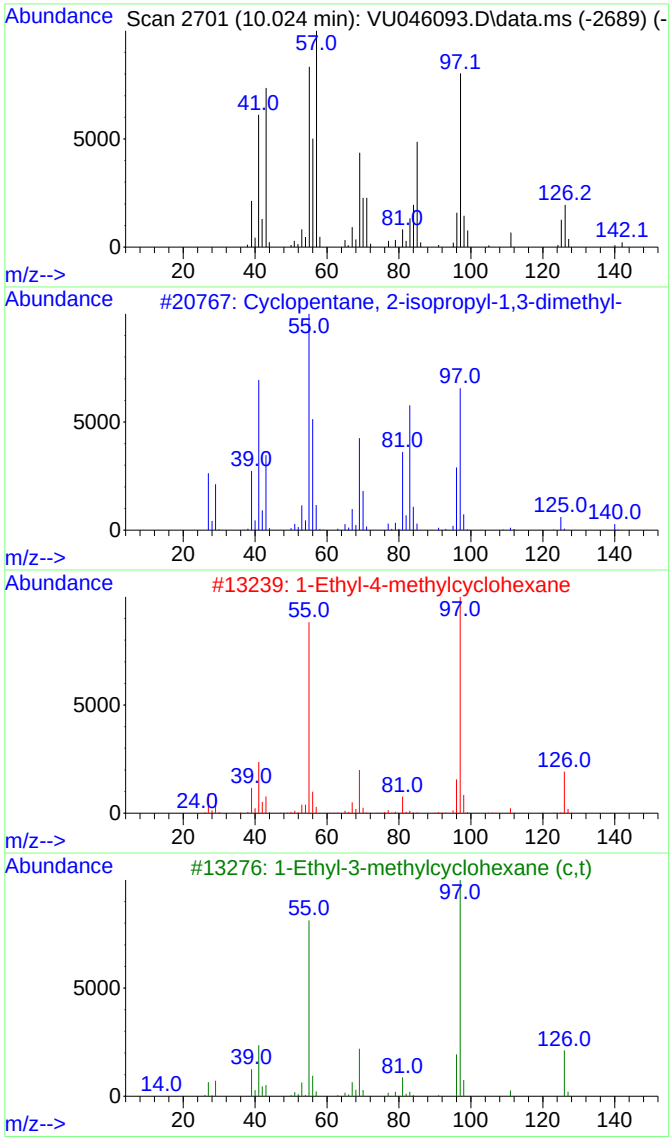
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

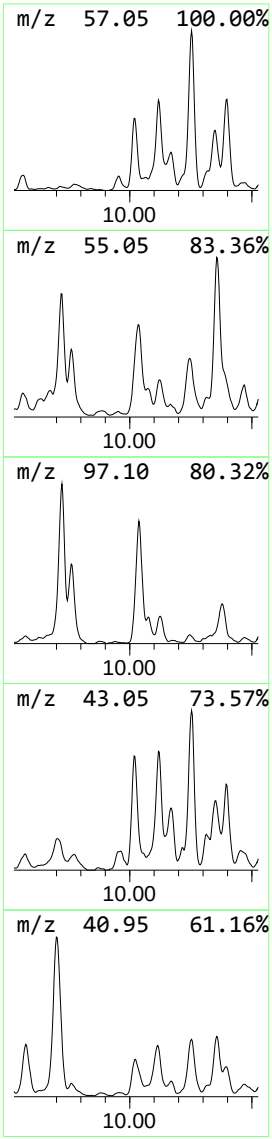
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 (DEL) Alkane: Cyclic10.025 Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.025 | 25.00 ug/L | 255462 | Chlorobenzene-d5 | 9.426 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 2-isopropyl-1,3-di... | 140 | C10H20 | 032281-85-9 | 49 |
| 2 | 1-Ethyl-4-methylcyclohexane | 126 | C9H18 | 003728-56-1 | 38 |
| 3 | 1-Ethyl-3-methylcyclohexane (c,t) | 126 | C9H18 | 003728-55-0 | 38 |
| 4 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 006236-88-0 | 38 |
| 5 | cis-1-Ethyl-3-methyl-cyclohexane | 126 | C9H18 | 019489-10-2 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

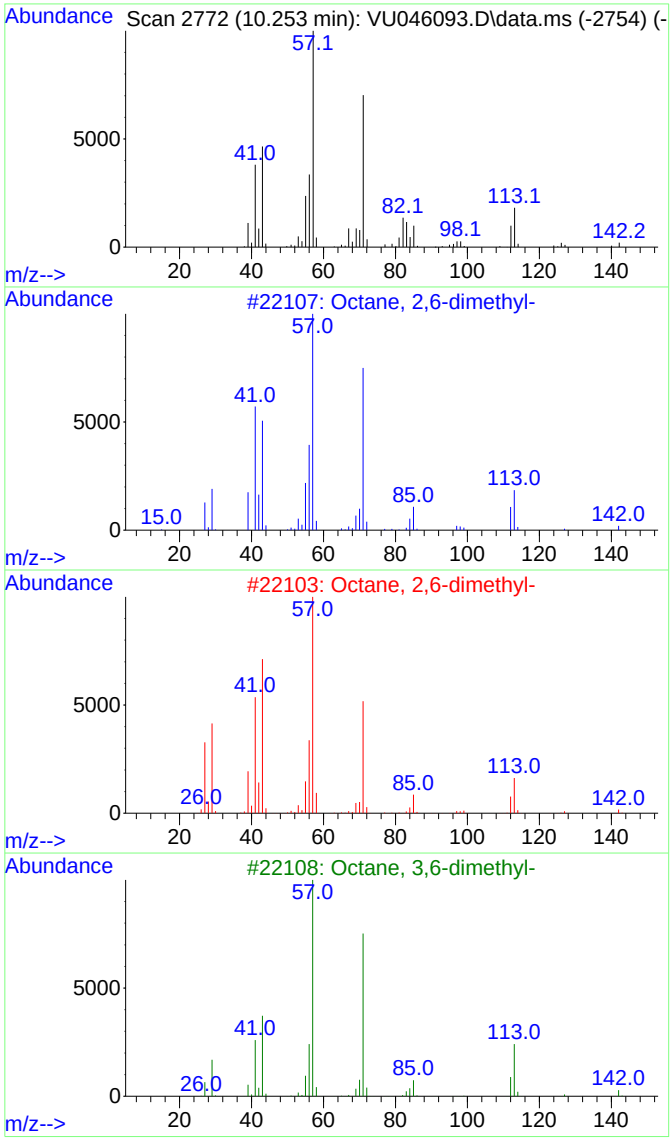
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

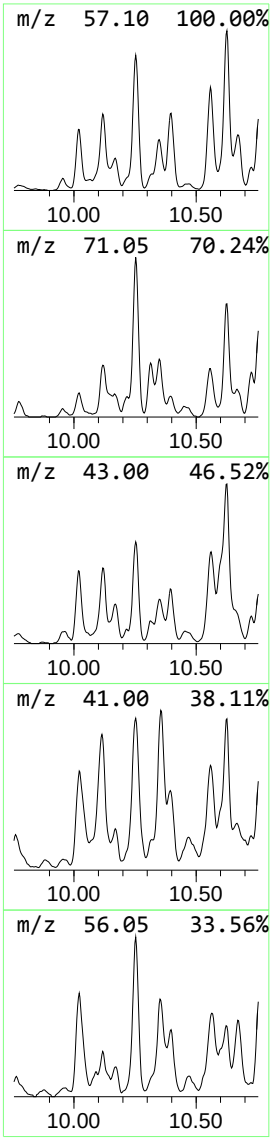
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.253 | 34.78 ug/L | 355300 | Chlorobenzene-d5 | 9.426 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 91 |
| 2 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 87 |
| 3 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 76 |
| 4 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 74 |
| 5 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

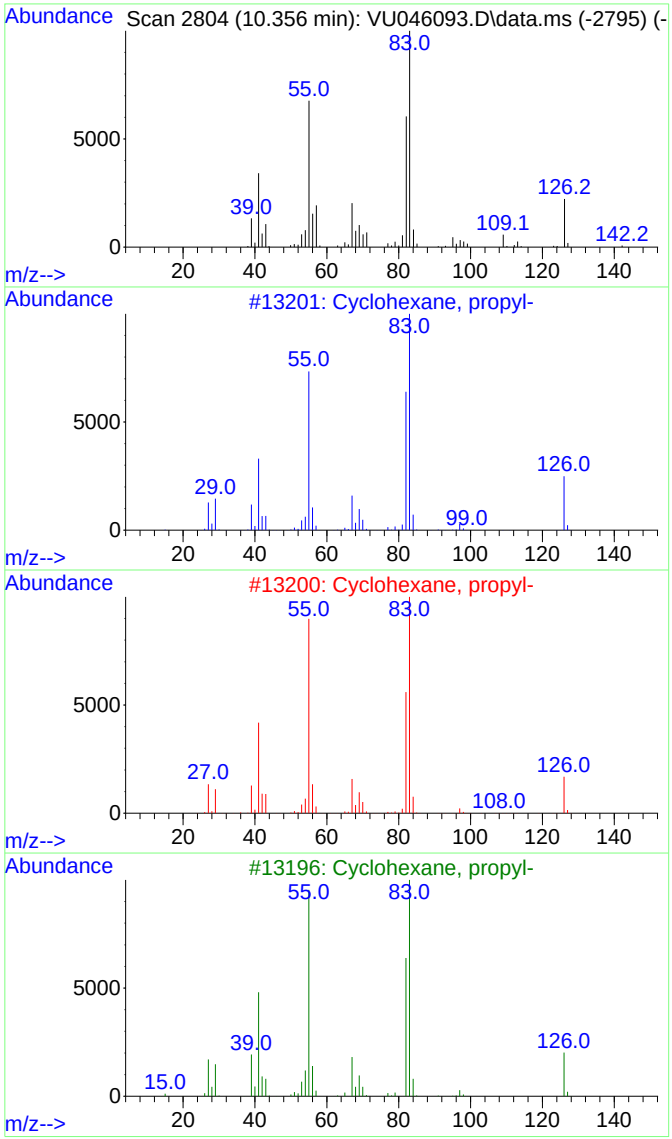
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

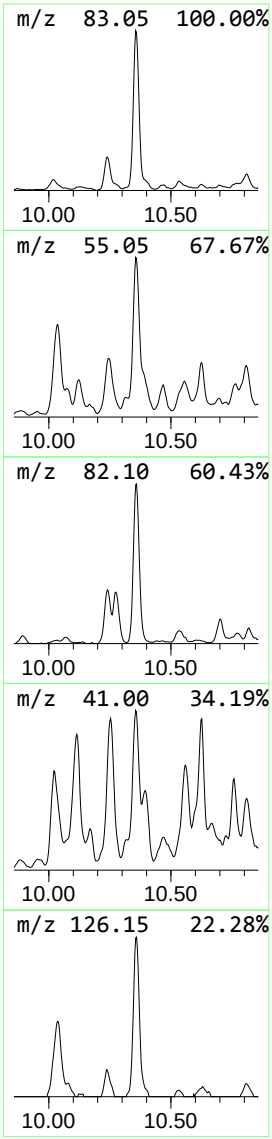
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 (DEL) Alkane: Cyclic10.356 Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.356 | 25.91 ug/L | 264715 | Chlorobenzene-d5 | 9.426 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 93 |
| 2 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 93 |
| 3 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 91 |
| 4 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 90 |
| 5 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

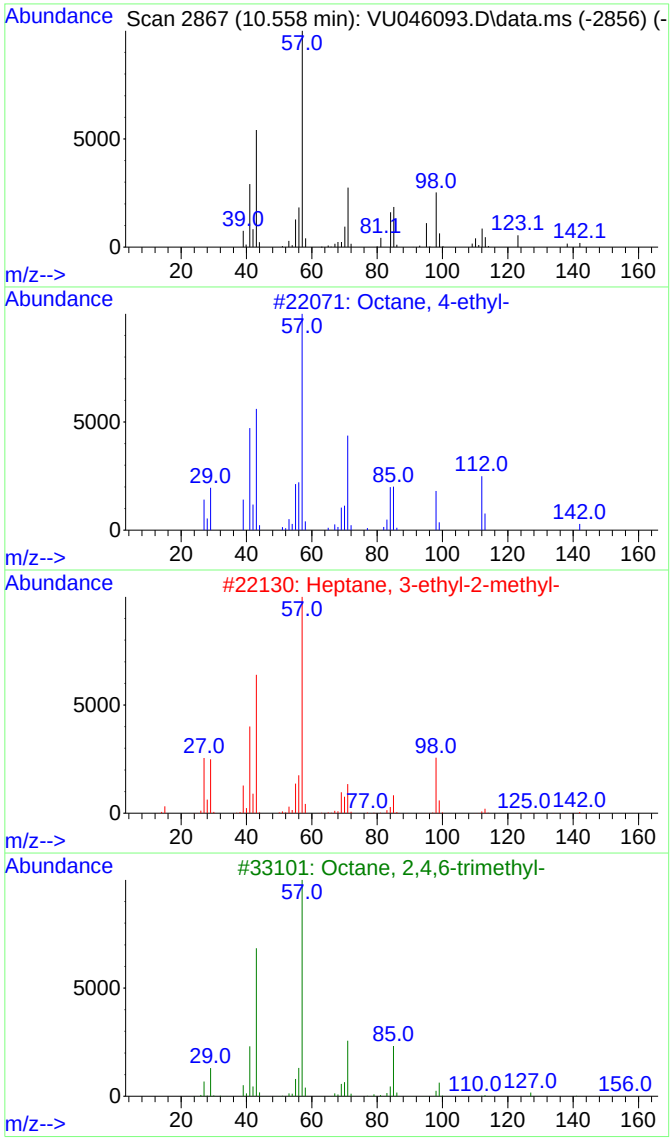
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

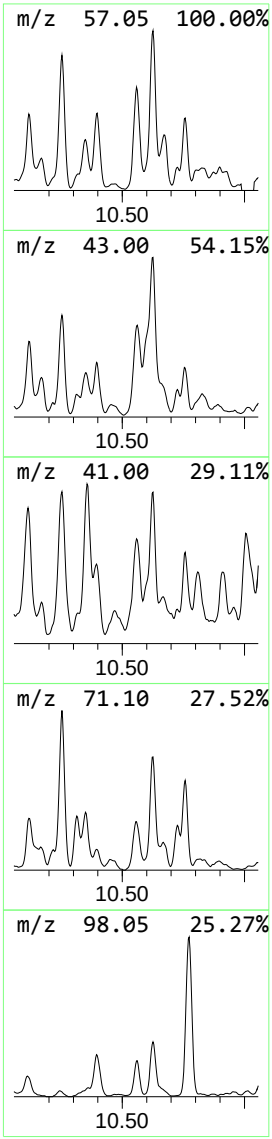
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.558 | 17.55 ug/L | 179298 | Chlorobenzene-d5 | 9.426 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 4-ethyl- | 142 | C10H22 | 015869-86-0 | 49 |
| 2 | Heptane, 3-ethyl-2-methyl- | 142 | C10H22 | 014676-29-0 | 47 |
| 3 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 38 |
| 4 | Octane, 2,7-dimethyl- | 142 | C10H22 | 001072-16-8 | 38 |
| 5 | Decane, 2,6,8-trimethyl- | 184 | C13H28 | 062108-26-3 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

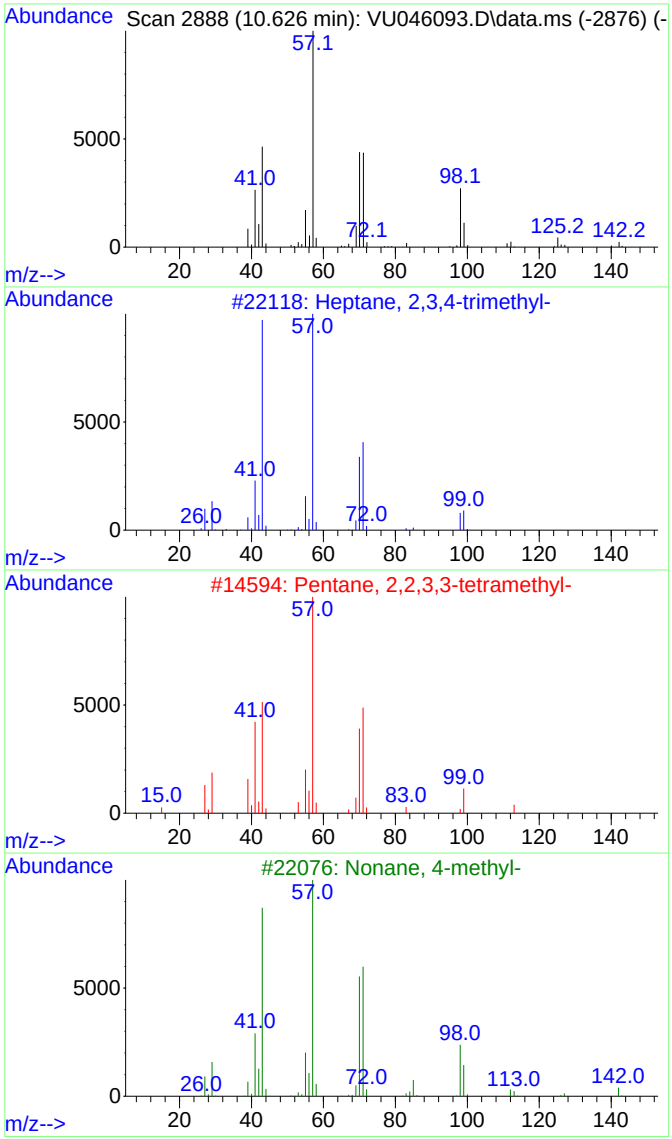
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

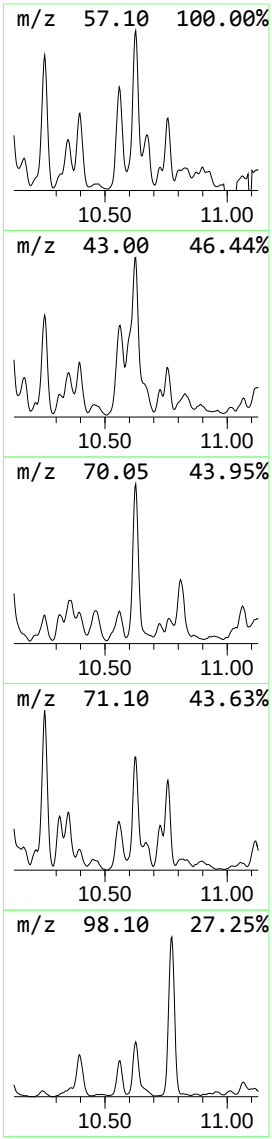
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.626 | 12.64 ug/L | 233429 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,3,4-trimethyl- | 142 | C10H22 | 052896-95-4 | 64 |
| 2 | Pentane, 2,2,3,3-tetramethyl- | 128 | C9H20 | 007154-79-2 | 64 |
| 3 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 52 |
| 4 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 50 |
| 5 | Octane, 2,3-dimethyl- | 142 | C10H22 | 007146-60-3 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

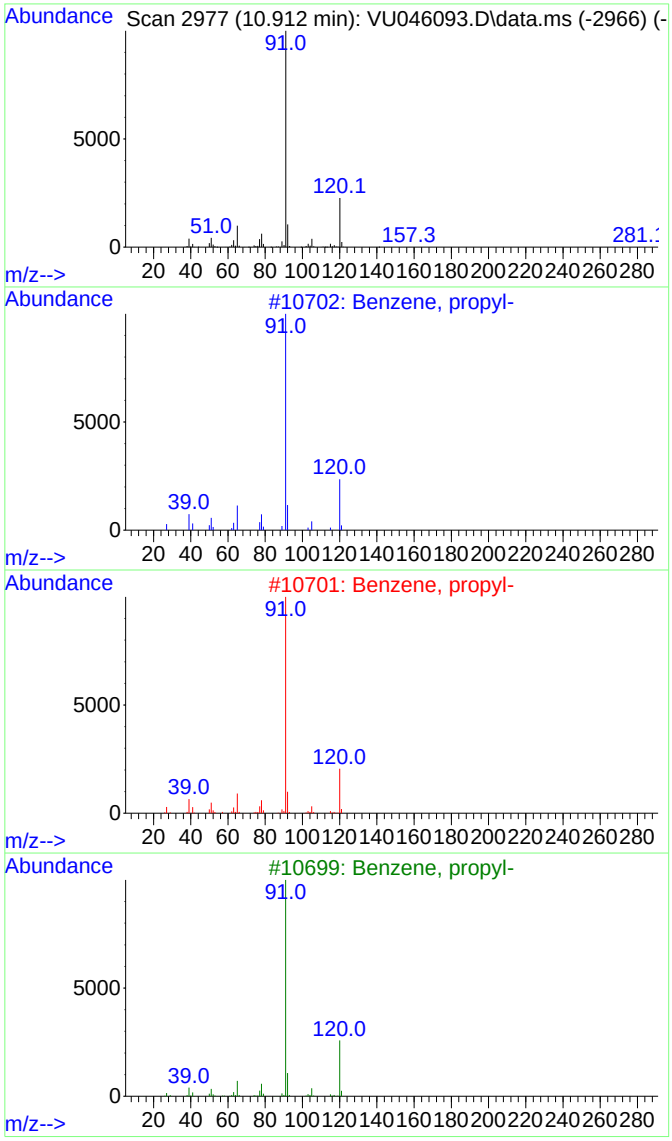
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

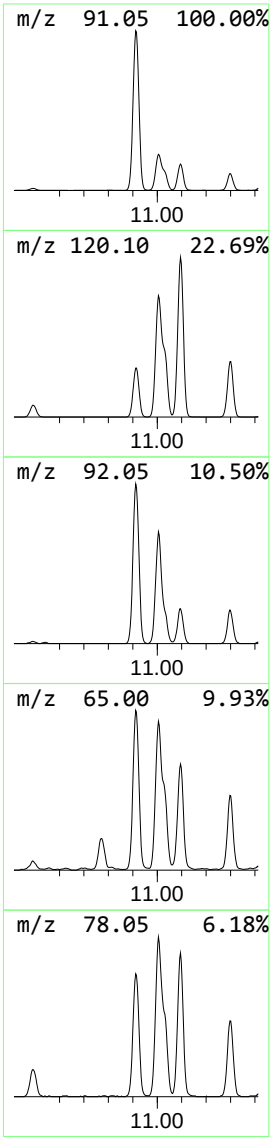
**********

Peak Number 18 Benzene, propyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.912 | 52.28 ug/L | 965181 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 94 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 91 |
| 3 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 91 |
| 4 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 87 |
| 5 | N-Butylbenzylamine | 163 | C11H17N | 002403-22-7 | 72 |



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Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

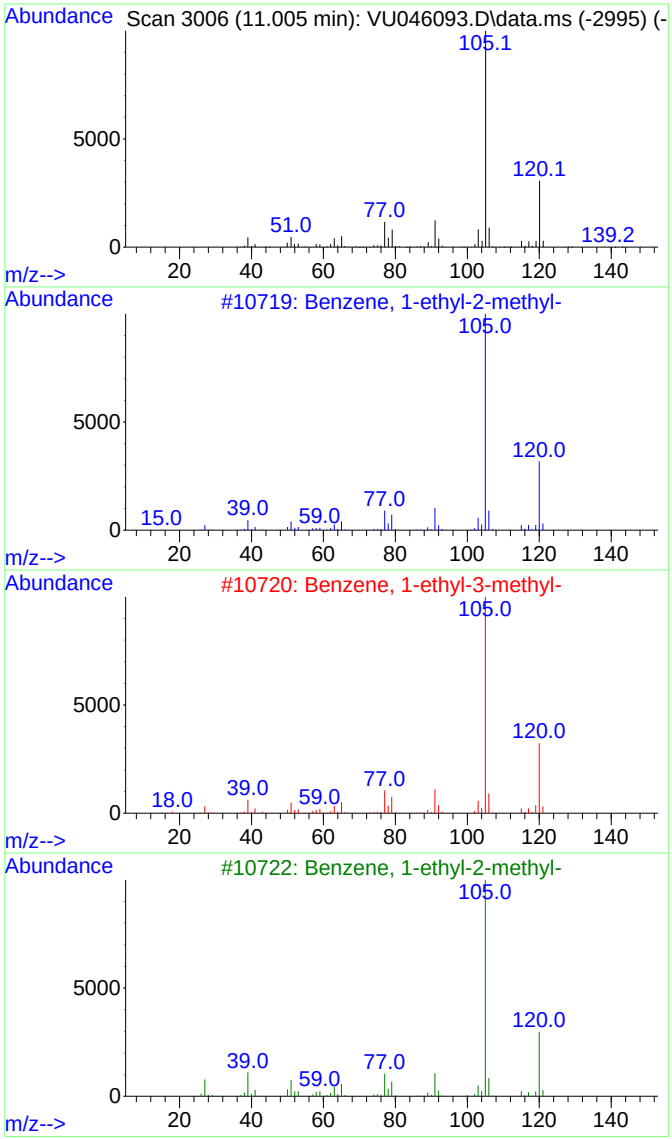
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

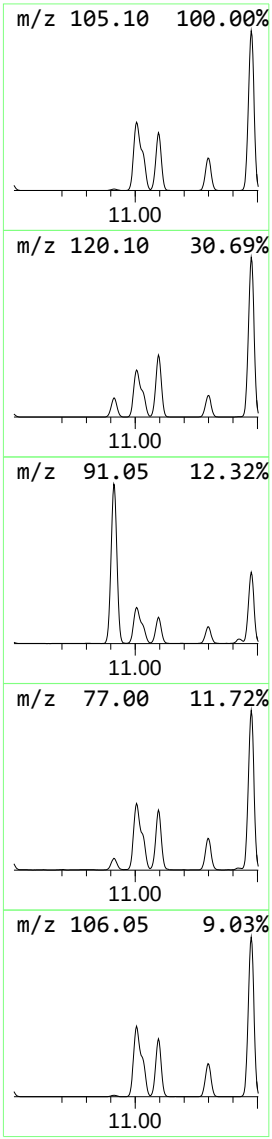
**********

Peak Number 19 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.005 | 170.85 ug/L | 3154230 | 1,4-Dichlorobenzene-d4 | 11.819 |

| 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-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 94 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

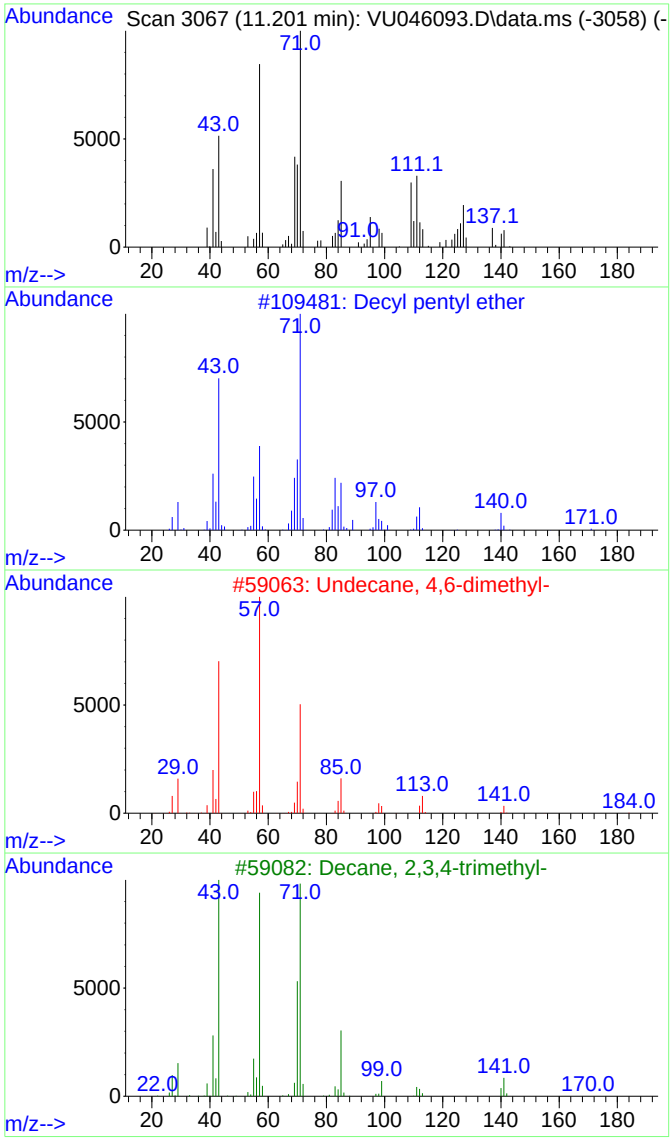
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

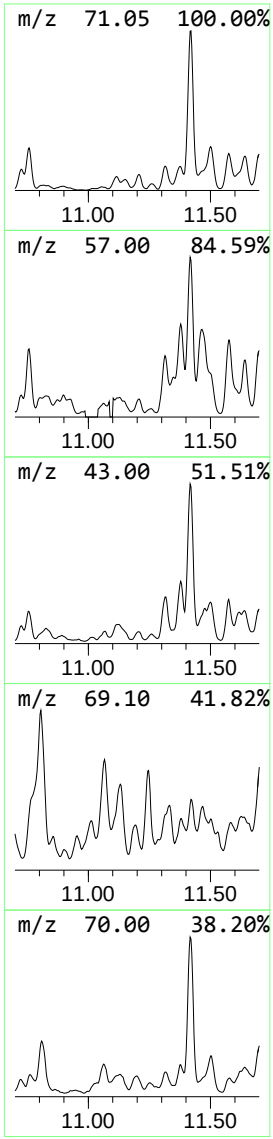
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Decyl pentyl ether Concentration Rank 60

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.201 | 2.57 ug/L | 47396 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decyl pentyl ether | 228 | C15H32O | 1000406-41-5 | 50 |
| 2 | Undecane, 4,6-dimethyl- | 184 | C13H28 | 017312-82-2 | 47 |
| 3 | Decane, 2,3,4-trimethyl- | 184 | C13H28 | 062238-15-7 | 47 |
| 4 | Octane, 2,3,6,7-tetramethyl- | 170 | C12H26 | 052670-34-5 | 47 |
| 5 | Decane, 4-methyl- | 156 | C11H24 | 002847-72-5 | 43 |



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Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

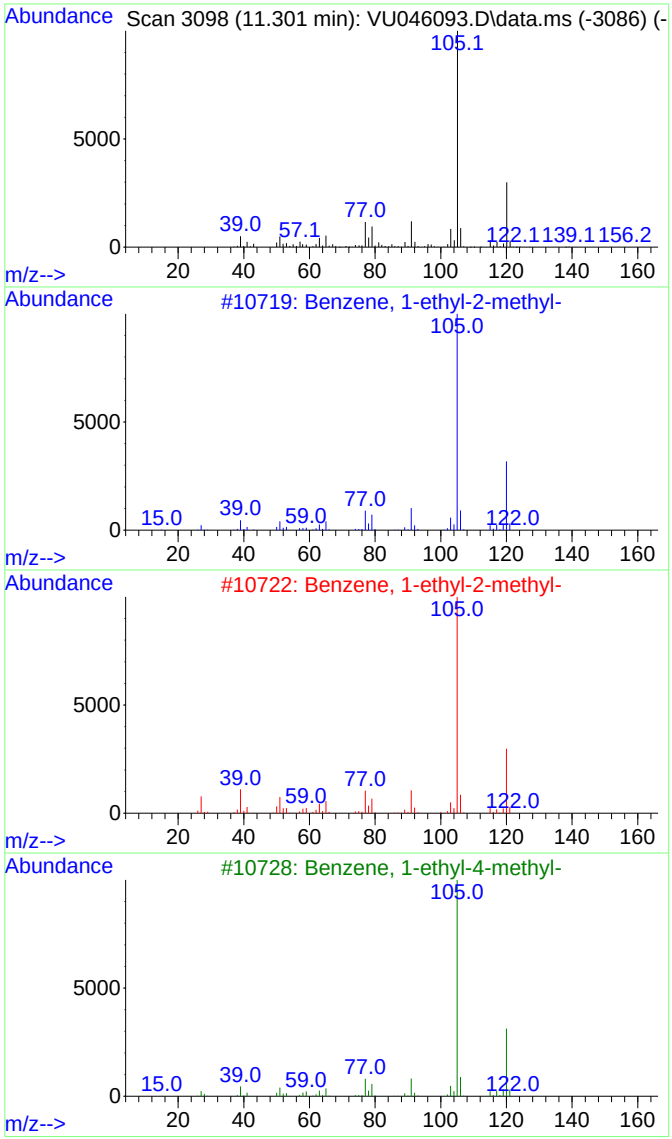
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

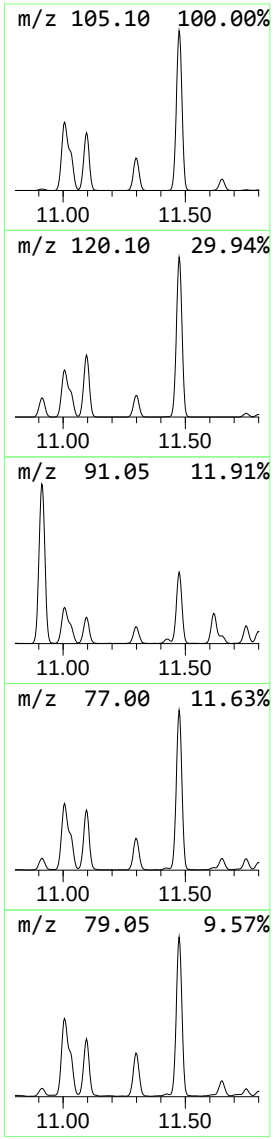
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 Benzene, 1-ethyl-4-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.301 | 65.77 ug/L | 1214210 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 2 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

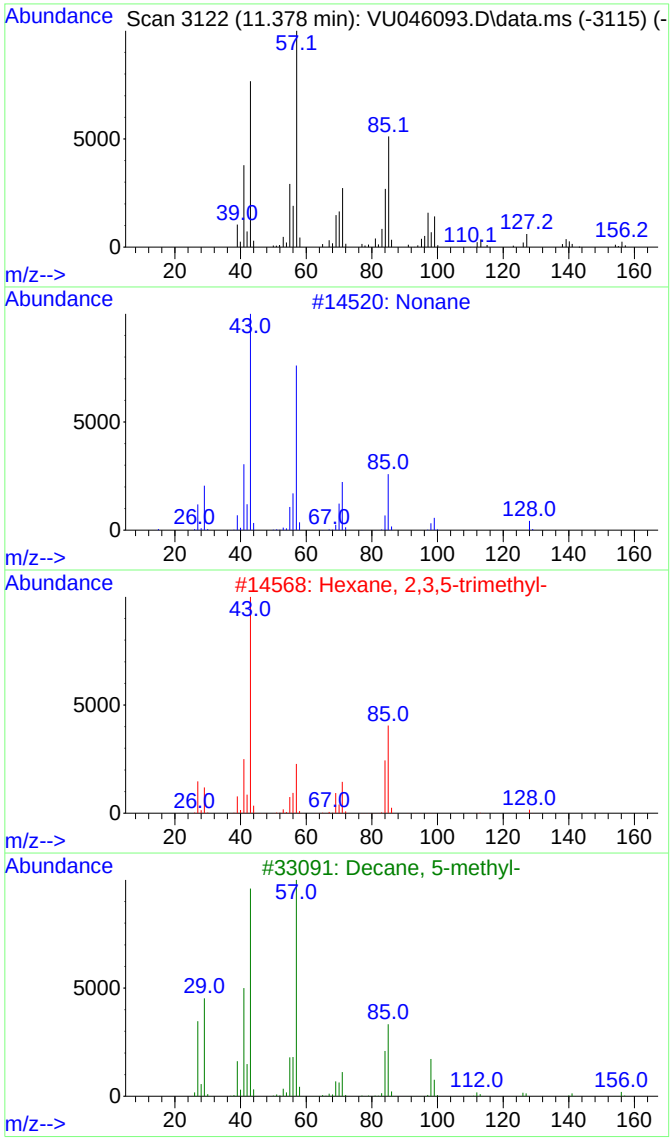
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

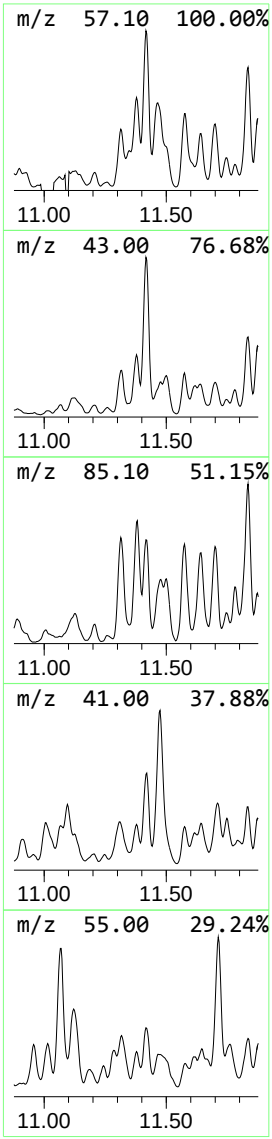
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 46

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.378 | 5.74 ug/L | 106024 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane | 128 | C9H20 | 000111-84-2 | 59 |
| 2 | Hexane, 2,3,5-trimethyl- | 128 | C9H20 | 001069-53-0 | 52 |
| 3 | Decane, 5-methyl- | 156 | C11H24 | 013151-35-4 | 52 |
| 4 | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 50 |
| 5 | Nonane, 2,5-dimethyl- | 156 | C11H24 | 017302-27-1 | 49 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

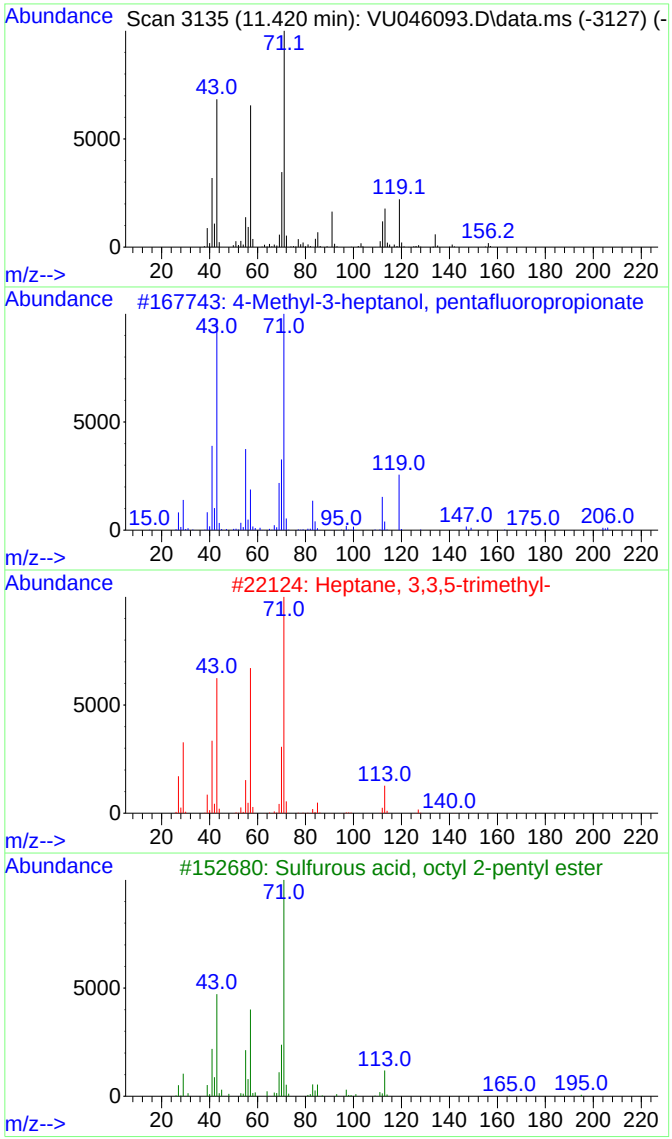
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

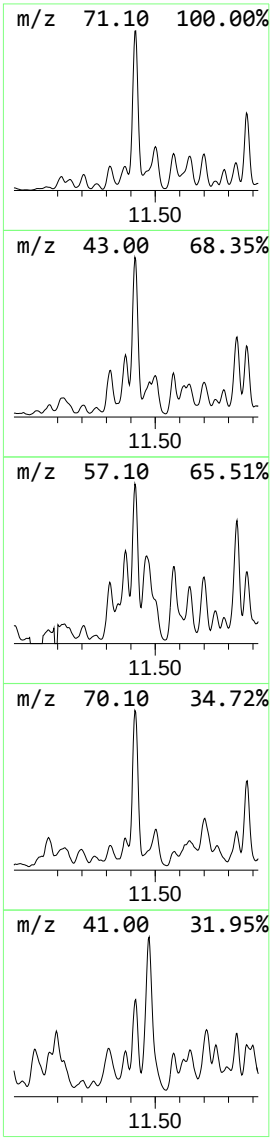
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 4-Methyl-3-heptanol, pentaf... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.420 | 17.33 ug/L | 319859 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Methyl-3-heptanol, pentafluoro... | 276 | C11H17F5O2 | 1000365-51-7 | 64 |
| 2 | Heptane, 3,3,5-trimethyl- | 142 | C10H22 | 007154-80-5 | 58 |
| 3 | Sulfurous acid, octyl 2-pentyl e... | 264 | C13H28O3S | 1000309-15-7 | 53 |
| 4 | Octane, 3,3-dimethyl- | 142 | C10H22 | 004110-44-5 | 53 |
| 5 | Octane, 3,3-dimethyl- | 142 | C10H22 | 004110-44-5 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

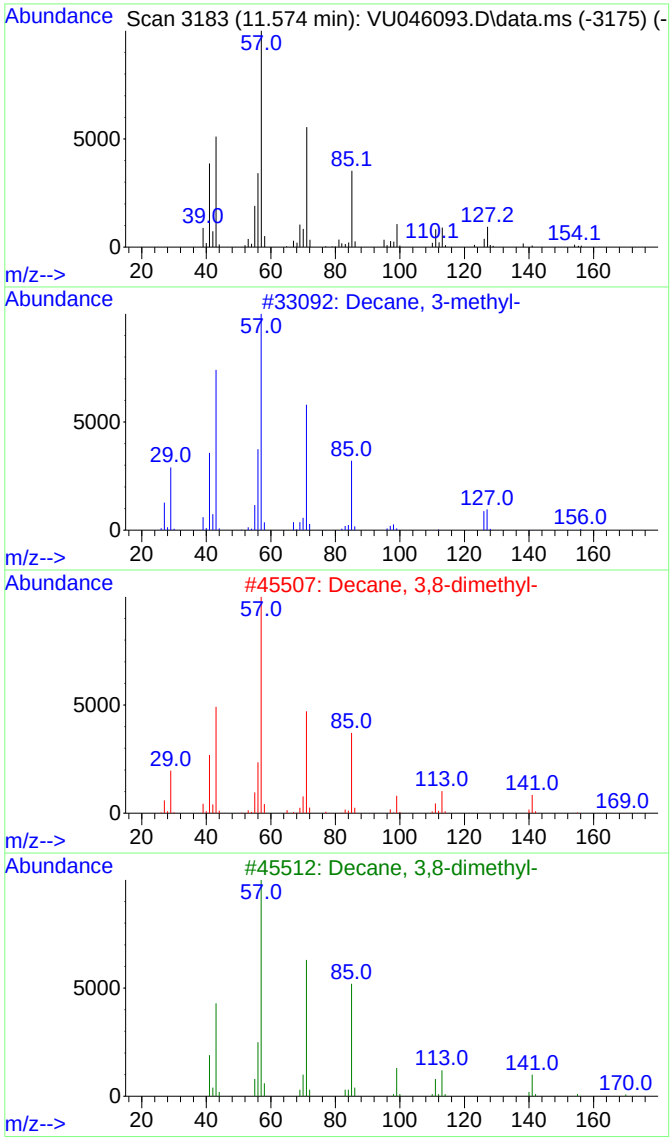
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

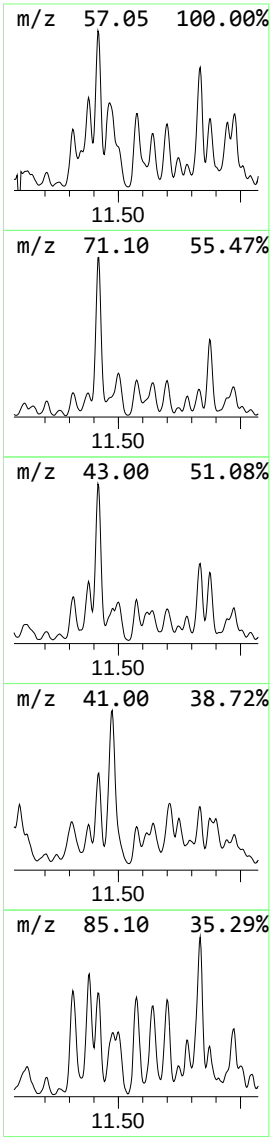
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 39

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.574 | 7.24 ug/L | 133661 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 3-methyl- | 156 | C11H24 | 013151-34-3 | 76 |
| 2 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 72 |
| 3 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 64 |
| 4 | Undecane, 3-methyl- | 170 | C12H26 | 001002-43-3 | 64 |
| 5 | Dodecane, 3-methyl- | 184 | C13H28 | 017312-57-1 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

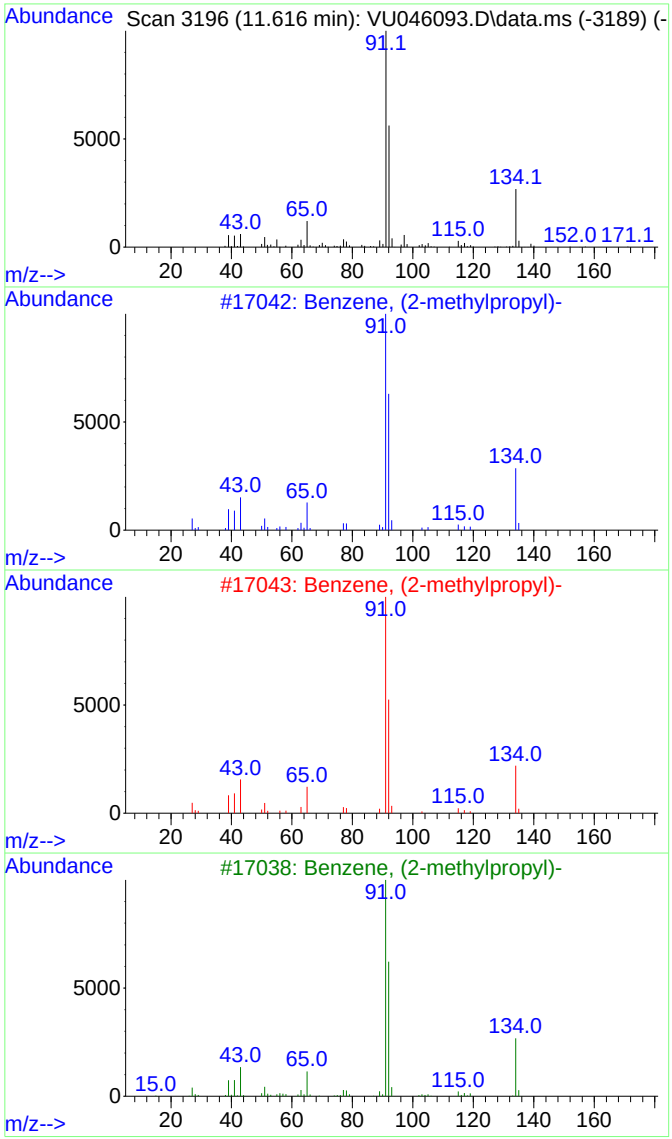
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

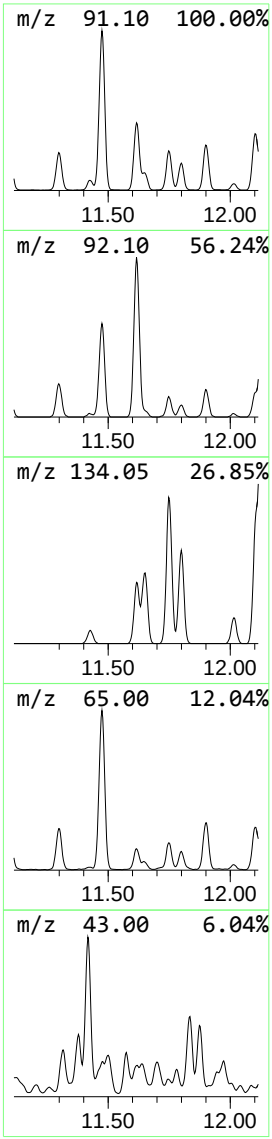
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 25 Benzene, (2-methylpropyl)- Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.616 | 11.66 ug/L | 215244 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methylpropyl)- | 134 | C10H14 | 000538-93-2 | 90 |
| 2 | Benzene, (2-methylpropyl)- | 134 | C10H14 | 000538-93-2 | 87 |
| 3 | Benzene, (2-methylpropyl)- | 134 | C10H14 | 000538-93-2 | 87 |
| 4 | Benzene, (2-methylpropyl)- | 134 | C10H14 | 000538-93-2 | 83 |
| 5 | Benzene, n-butyl- | 134 | C10H14 | 000104-51-8 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

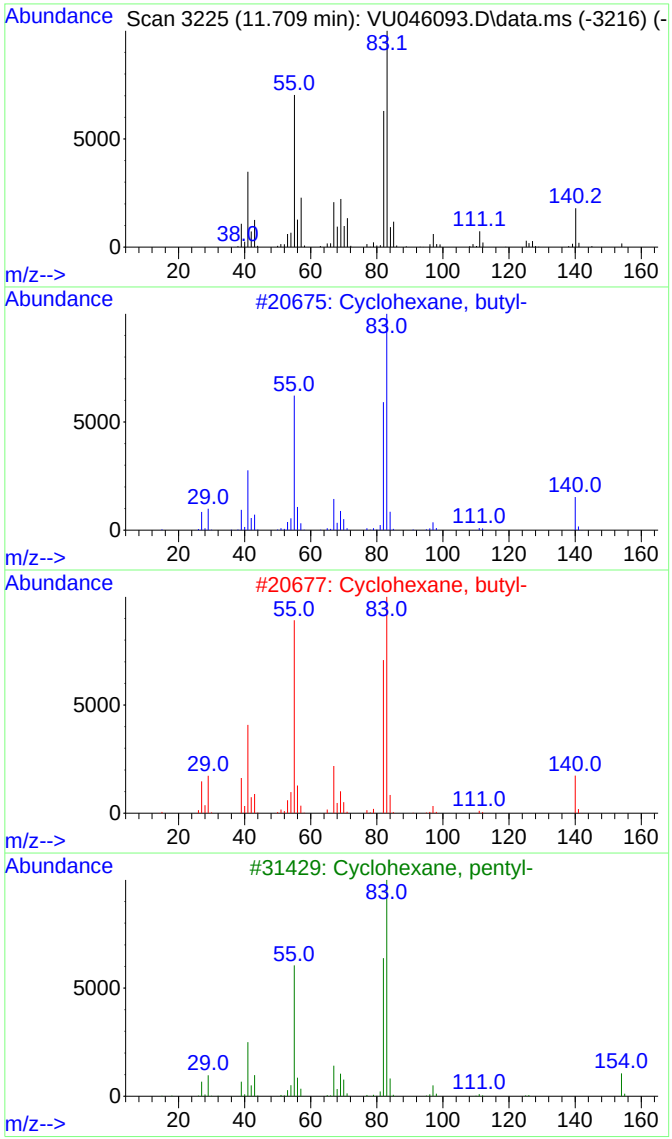
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

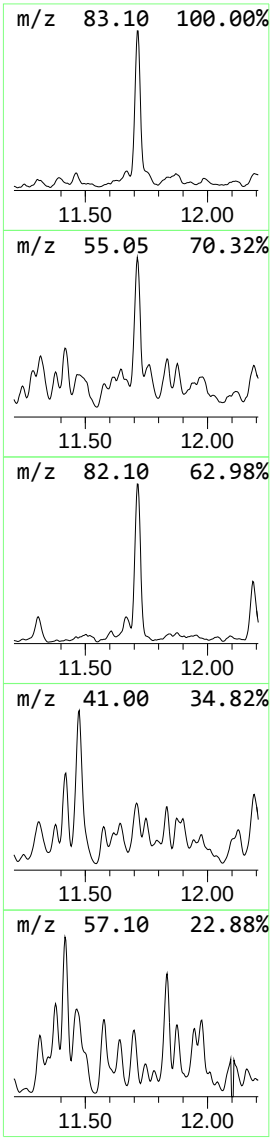
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 27 (DEL) Alkane: Cyclic11.709 Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.709 | 12.52 ug/L | 231191 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 93 |
| 2 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 83 |
| 3 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 81 |
| 4 | Cyclohexane, undecyl- | 238 | C17H34 | 054105-66-7 | 72 |
| 5 | Cyclohexane, octyl- | 196 | C14H28 | 001795-15-9 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

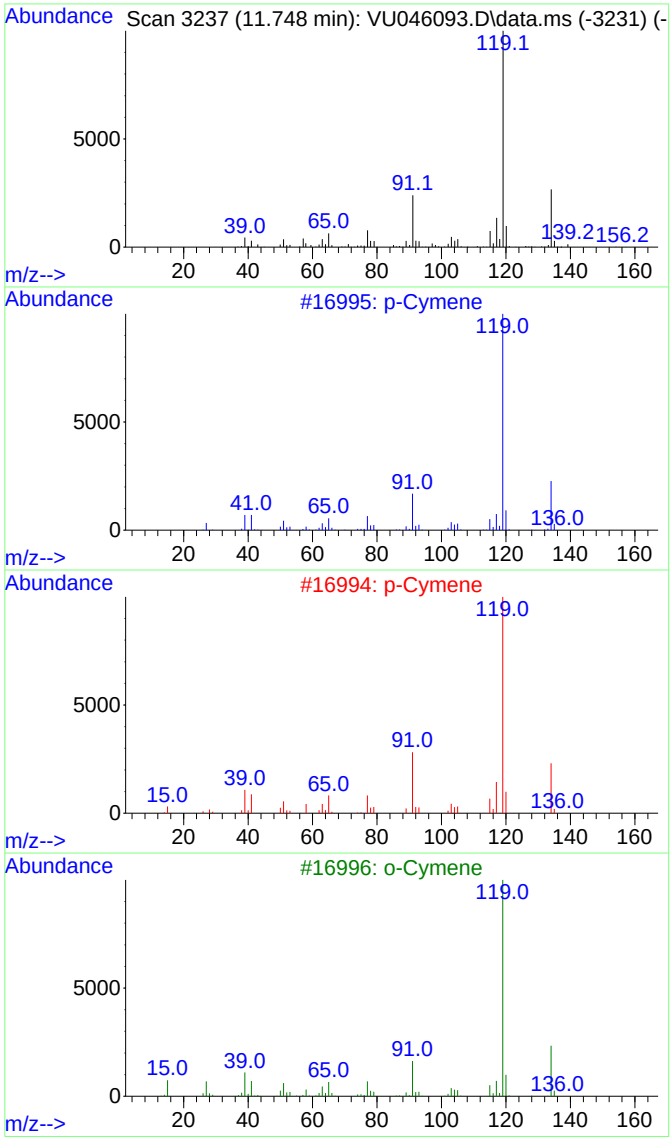
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

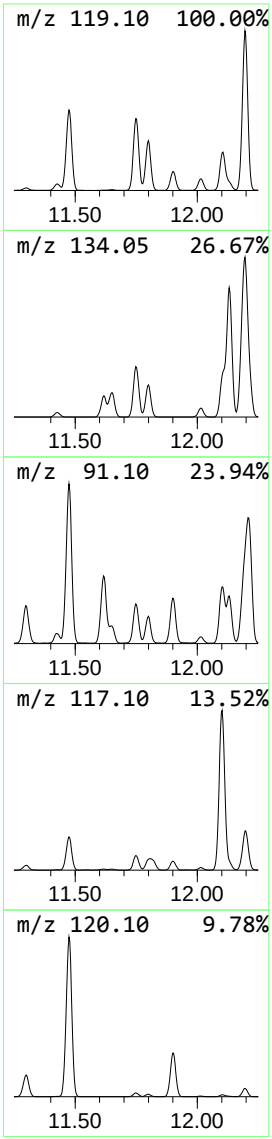
**********

Peak Number 28 p-Cymene Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.748 | 29.85 ug/L | 551118 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Cymene | 134 | C10H14 | 000099-87-6 | 97 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 97 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 4 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

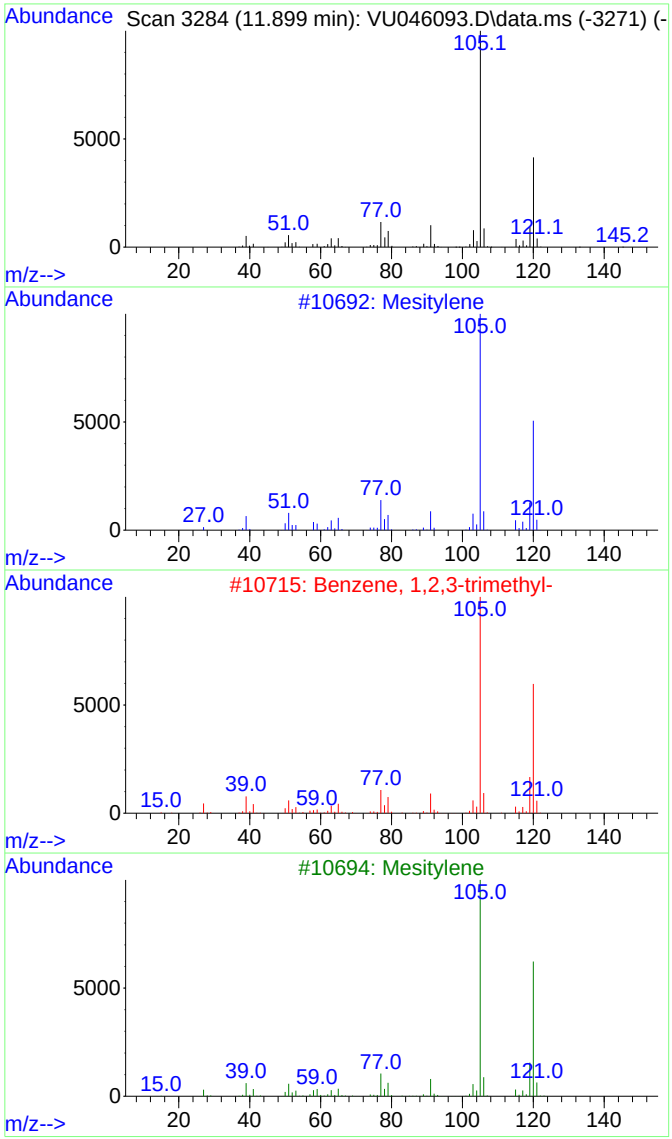
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

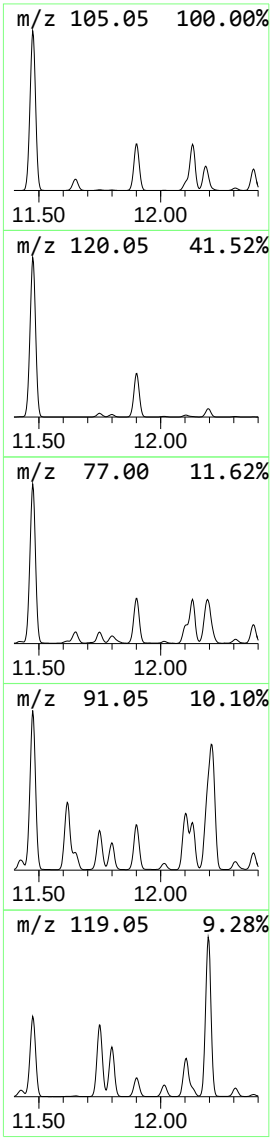
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 29 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.899 | 84.60 ug/L | 1561970 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mesitylene | 120 | C9H12 | 000108-67-8 | 97 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

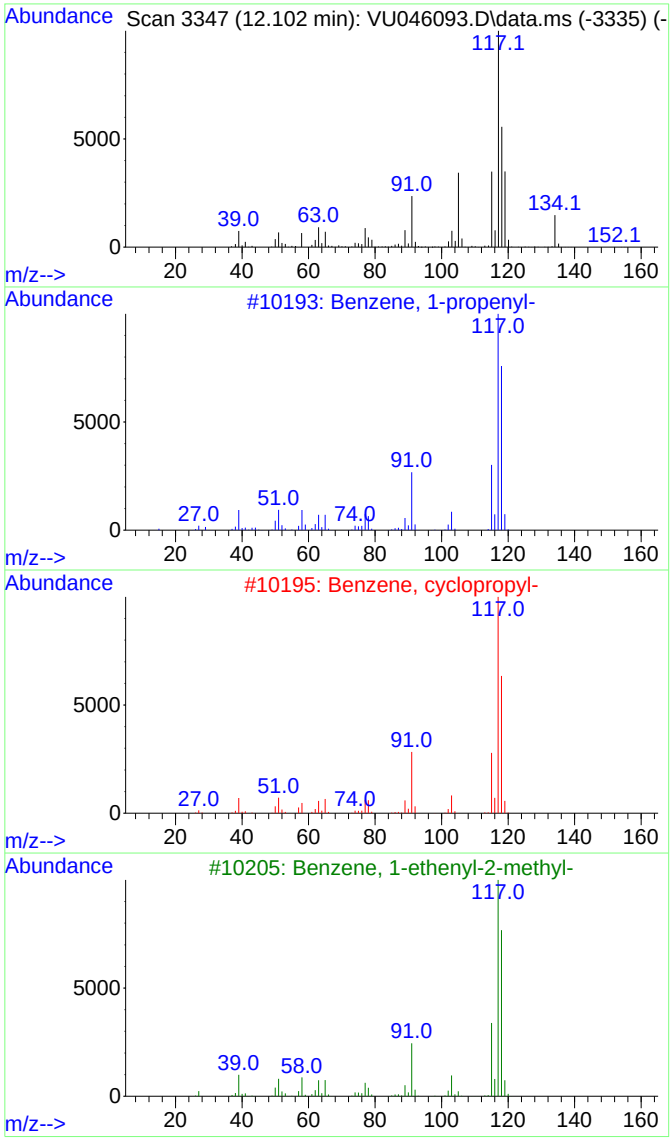
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

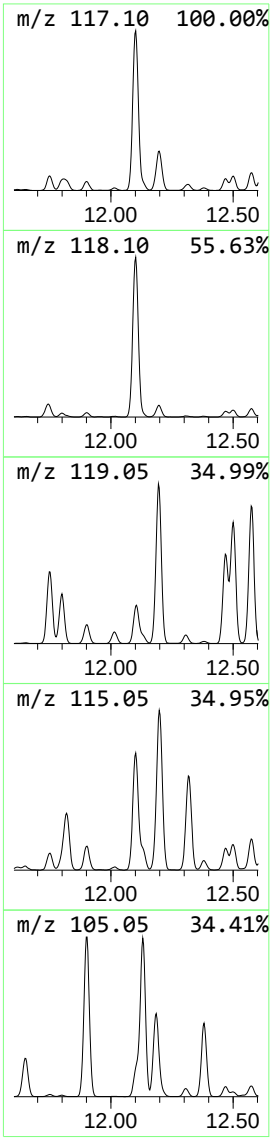
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 30 Benzene, 1-propenyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.102 | 72.47 ug/L | 1337960 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 92 |
| 2 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 91 |
| 3 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 91 |
| 4 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 64 |
| 5 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

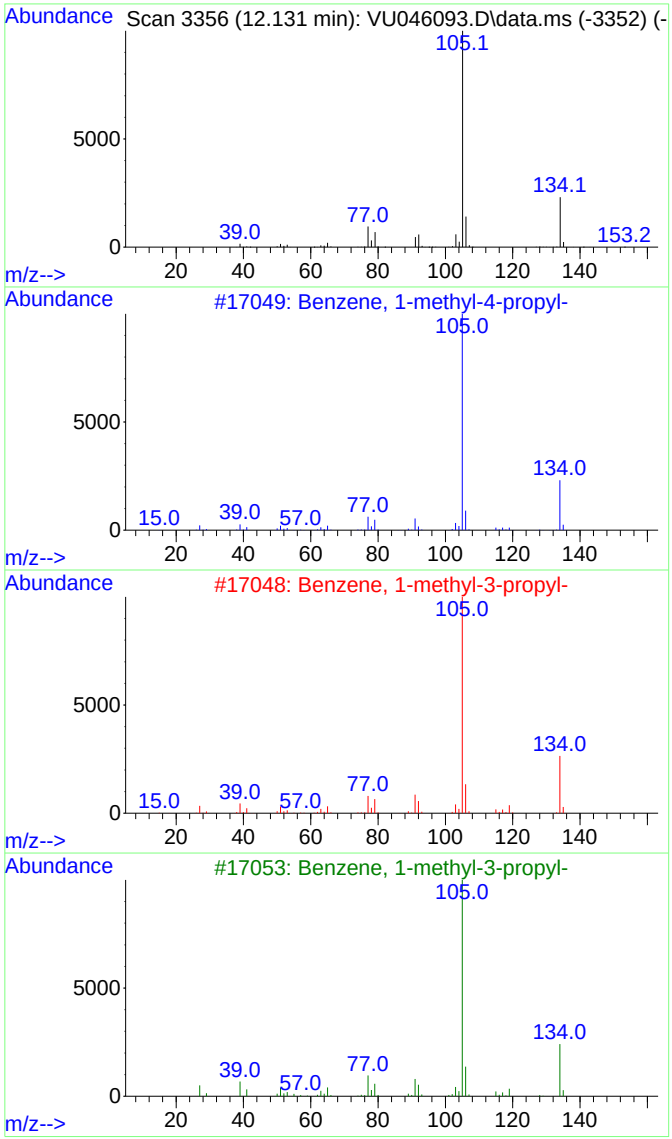
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

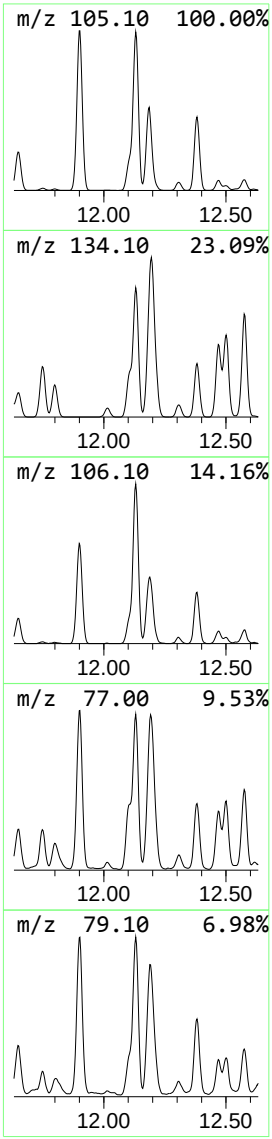
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 31 Benzene, 1-methyl-4-propyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.131 | 64.77 ug/L | 1195780 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 91 |
| 2 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 91 |
| 3 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 90 |
| 4 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 86 |
| 5 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 86 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

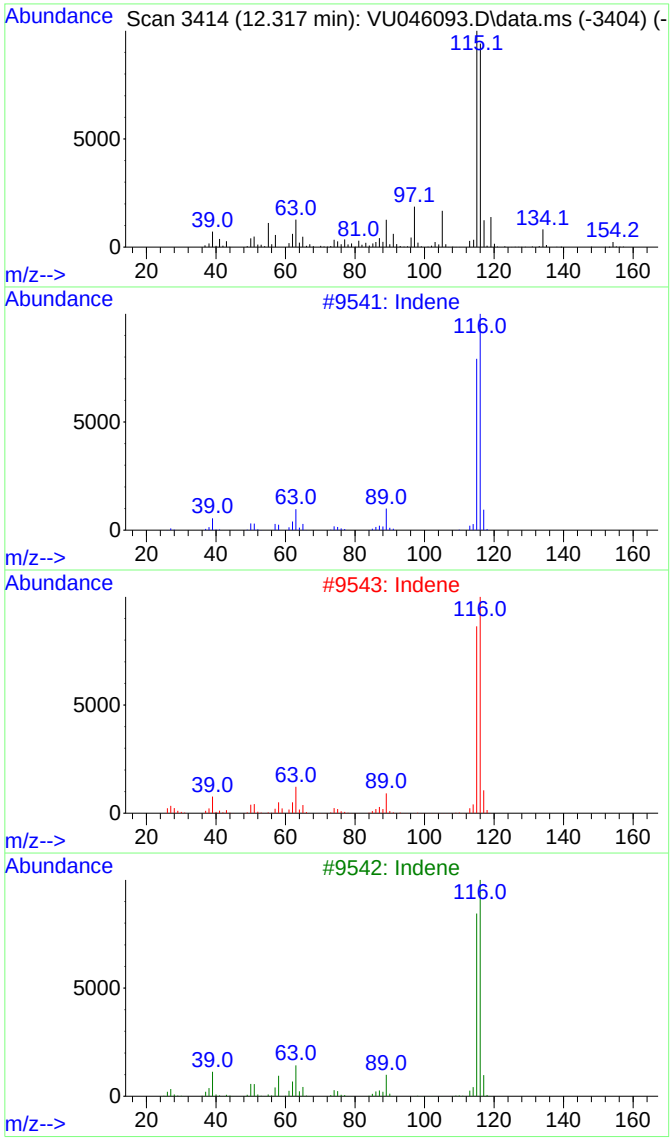
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

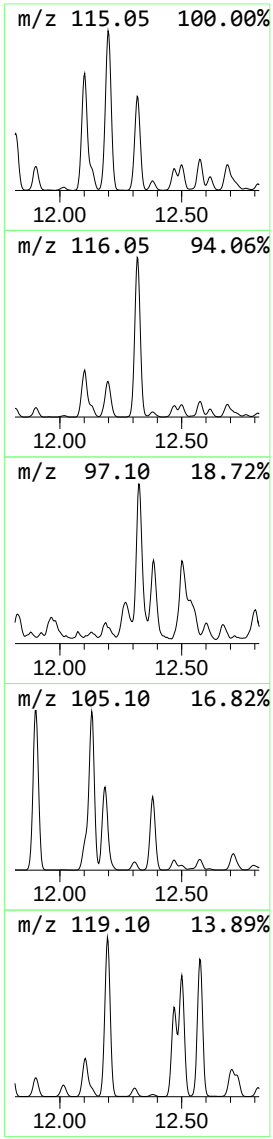
**********

Peak Number 32 Indene Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.317 | 23.38 ug/L | 431603 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 95 |
| 2 | Indene | 116 | C9H8 | 000095-13-6 | 94 |
| 3 | Indene | 116 | C9H8 | 000095-13-6 | 94 |
| 4 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 81 |
| 5 | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8 | 000766-97-2 | 81 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

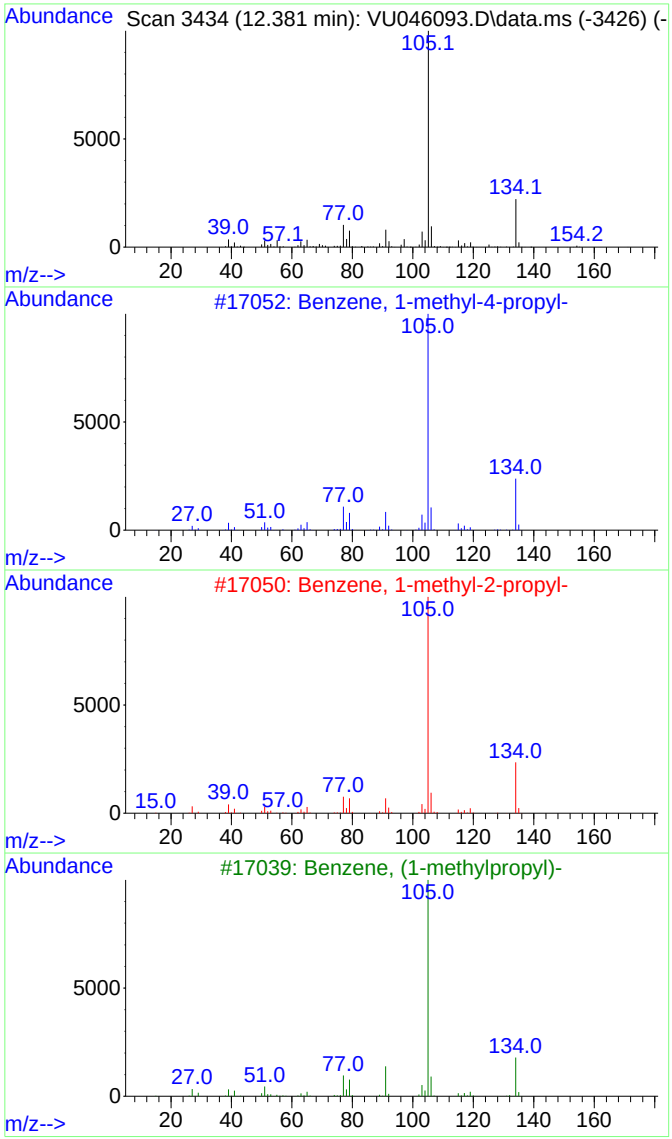
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

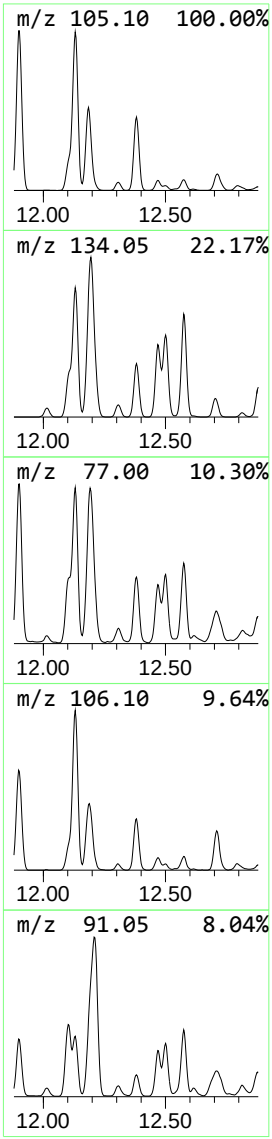
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 33 Benzene, (1-methylpropyl)- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.381 | 38.20 ug/L | 705203 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 94 |
| 2 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 93 |
| 3 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 90 |
| 4 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 90 |
| 5 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

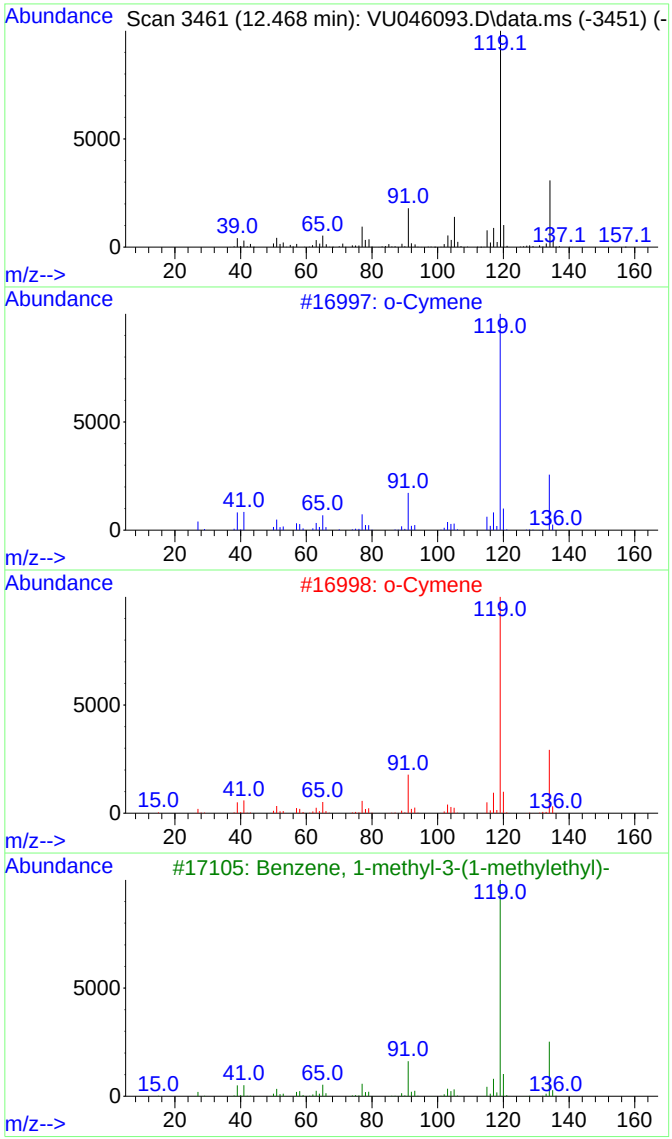
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

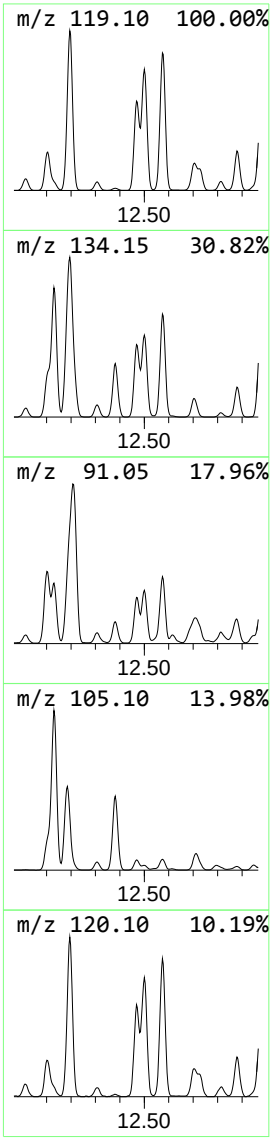
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 34 Benzene, 1-methyl-3-(1-meth... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.468 | 39.91 ug/L | 736791 | 1,4-Dichlorobenzene-d4 | 11.819 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

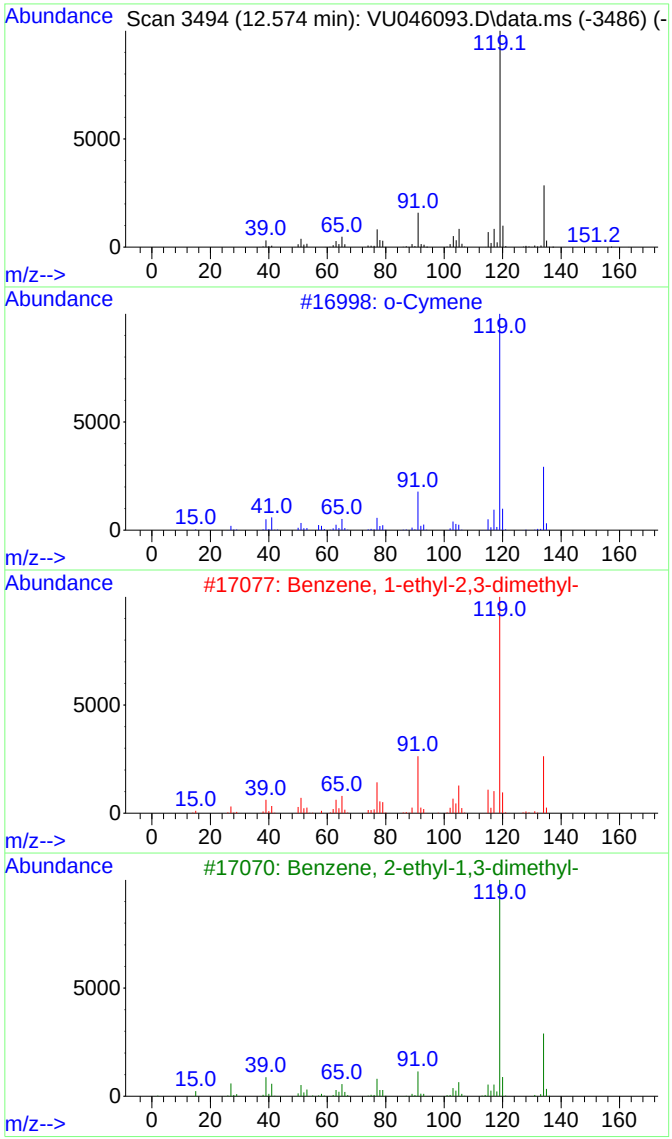
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

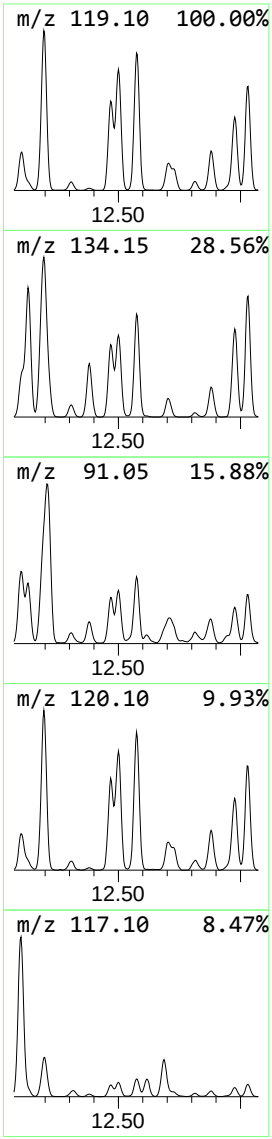
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 36 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.574 | 42.61 ug/L | 786620 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 97 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 96 |
| 3 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

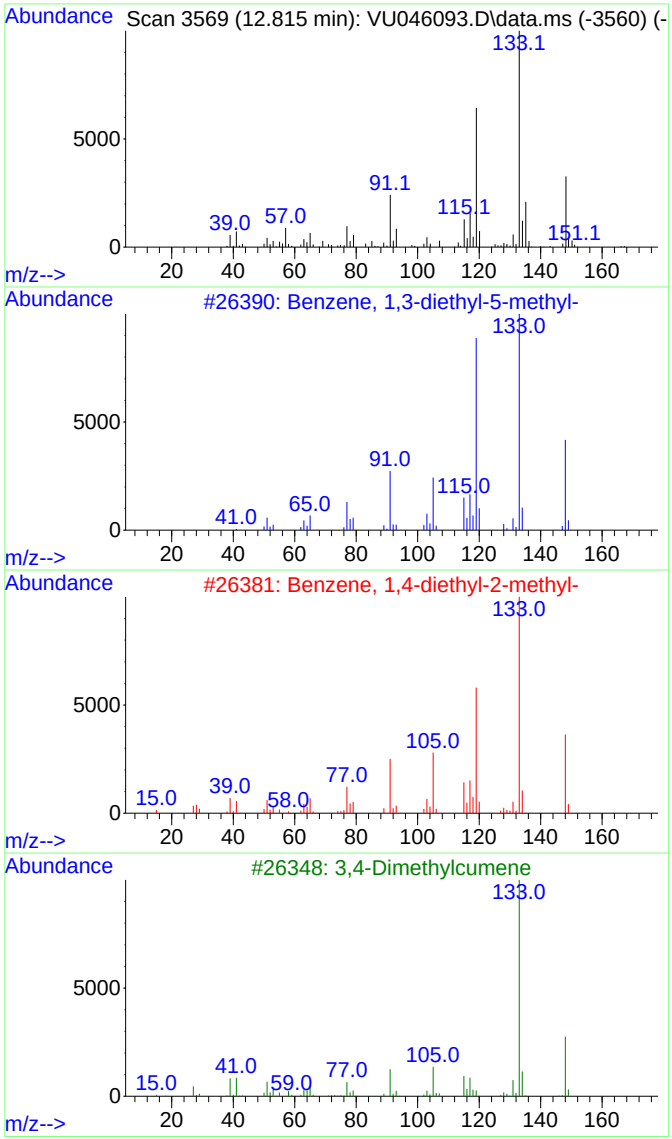
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

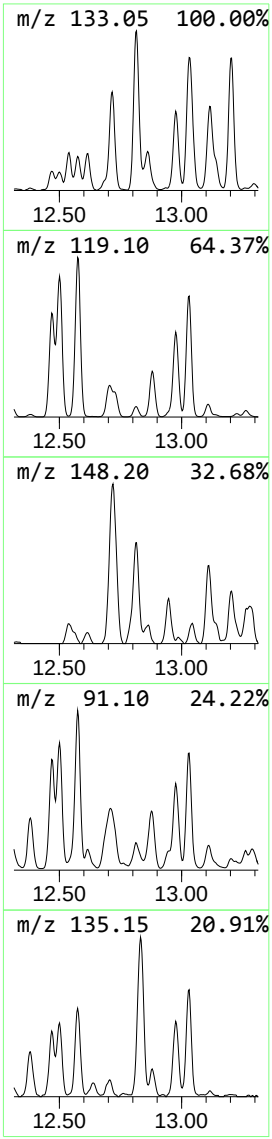
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 38 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.815 | 13.49 ug/L | 249090 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl-5-methyl- | 148 | C11H16 | 002050-24-0 | 92 |
| 2 | Benzene, 1,4-diethyl-2-methyl- | 148 | C11H16 | 013632-94-5 | 87 |
| 3 | 3,4-Dimethylcumene | 148 | C11H16 | 1000370-34-1 | 64 |
| 4 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 64 |
| 5 | Benzene, 2,4-diethyl-1-methyl- | 148 | C11H16 | 001758-85-6 | 62 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

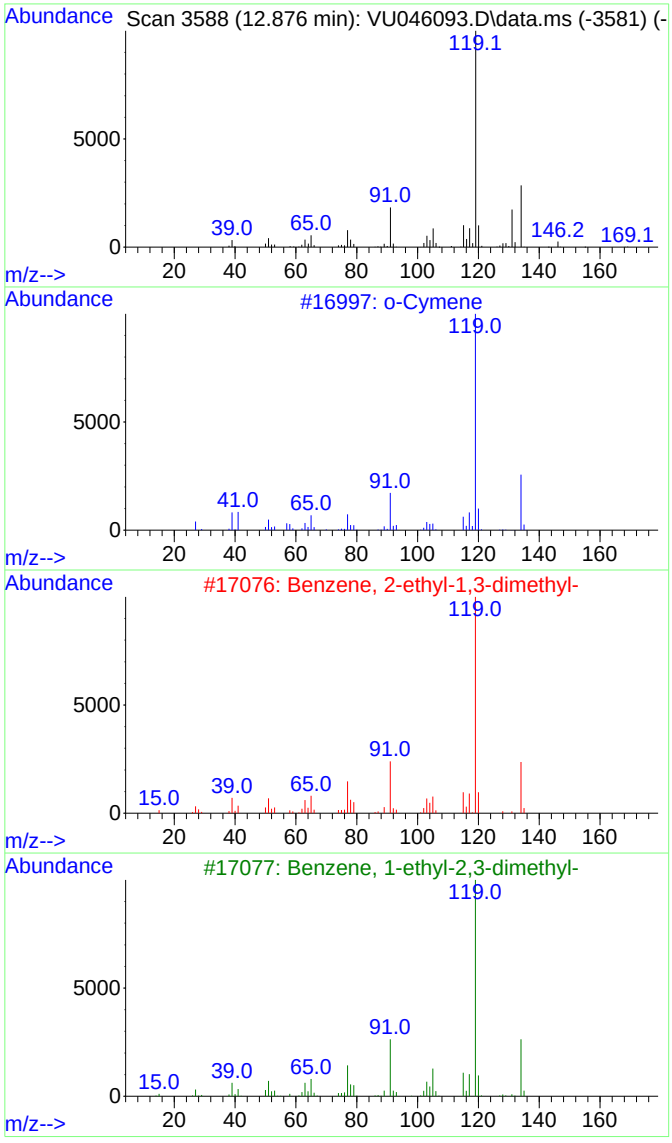
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

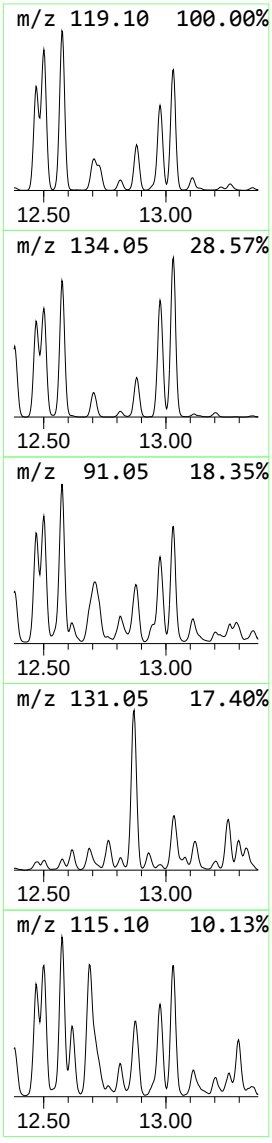
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 39 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.877 | 18.05 ug/L | 333259 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 93 |
| 2 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 93 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 93 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 90 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

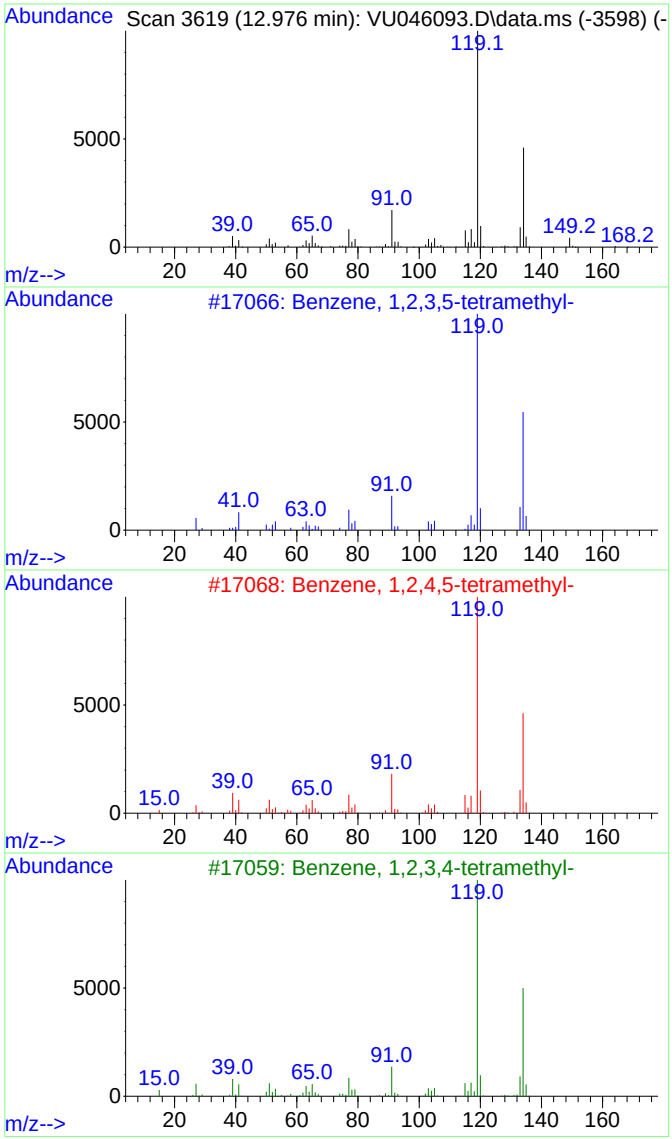
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

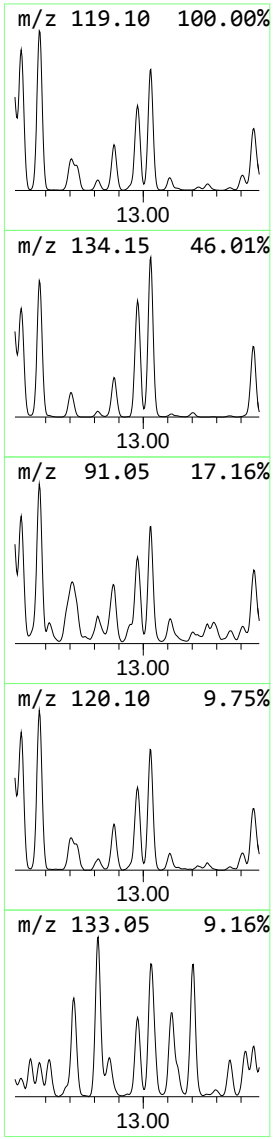
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 40 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.976 | 42.69 ug/L | 788123 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 96 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 96 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

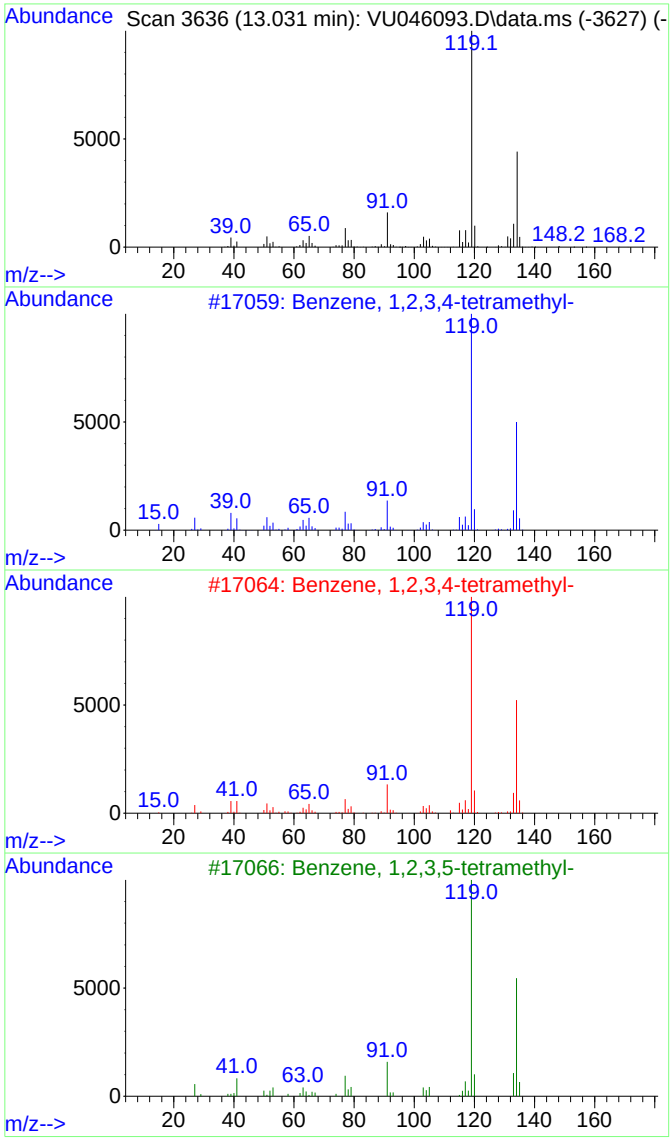
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

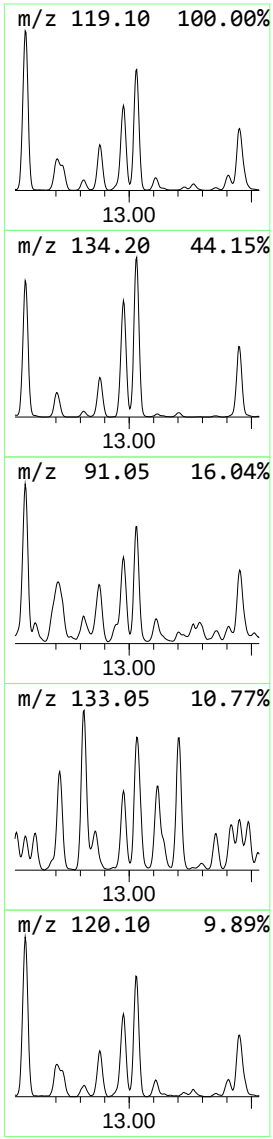
**********

Peak Number 41 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.031 | 48.66 ug/L | 898445 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 96 |
| 4 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

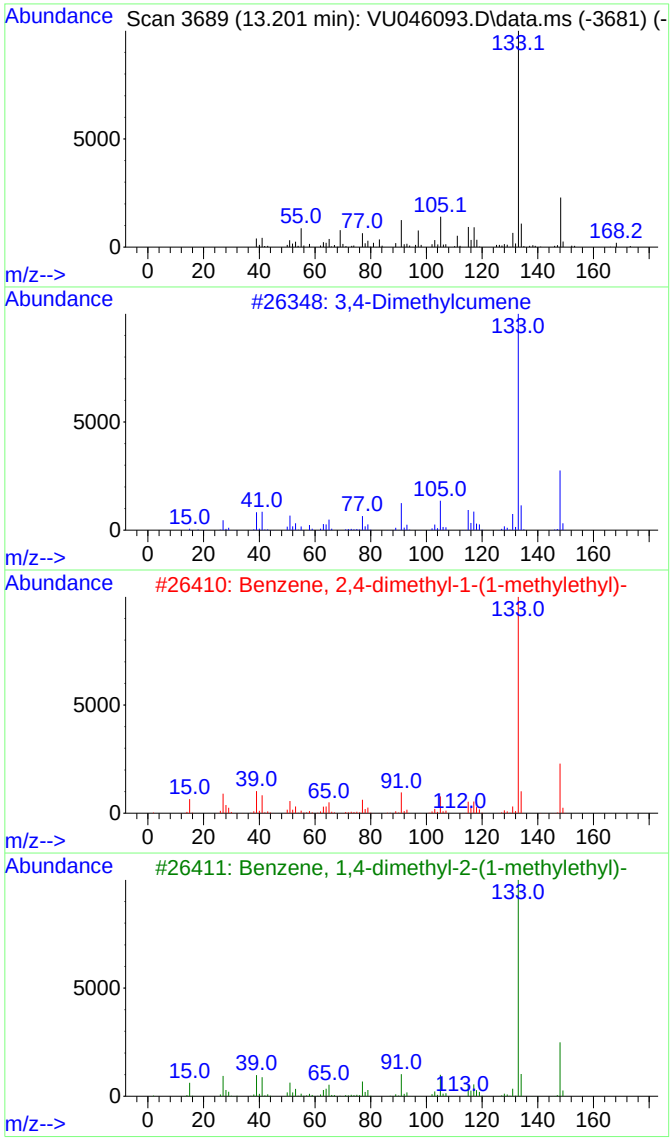
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

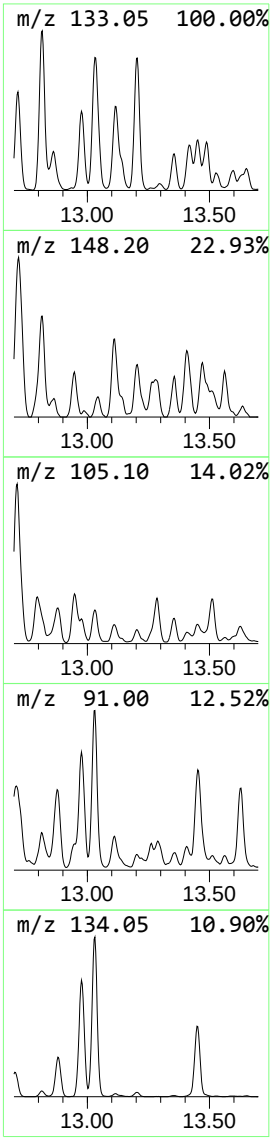
**********

Peak Number 43 3,4-Dimethylcumene Concentration Rank 43

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.201 | 5.97 ug/L | 110192 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,4-Dimethylcumene | 148 | C11H16 | 1000370-34-1 | 94 |
| 2 | Benzene, 2,4-dimethyl-1-(1-methy... | 148 | C11H16 | 004706-89-2 | 94 |
| 3 | Benzene, 1,4-dimethyl-2-(1-methy... | 148 | C11H16 | 004132-72-3 | 90 |
| 4 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 87 |
| 5 | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16 | 004706-90-5 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

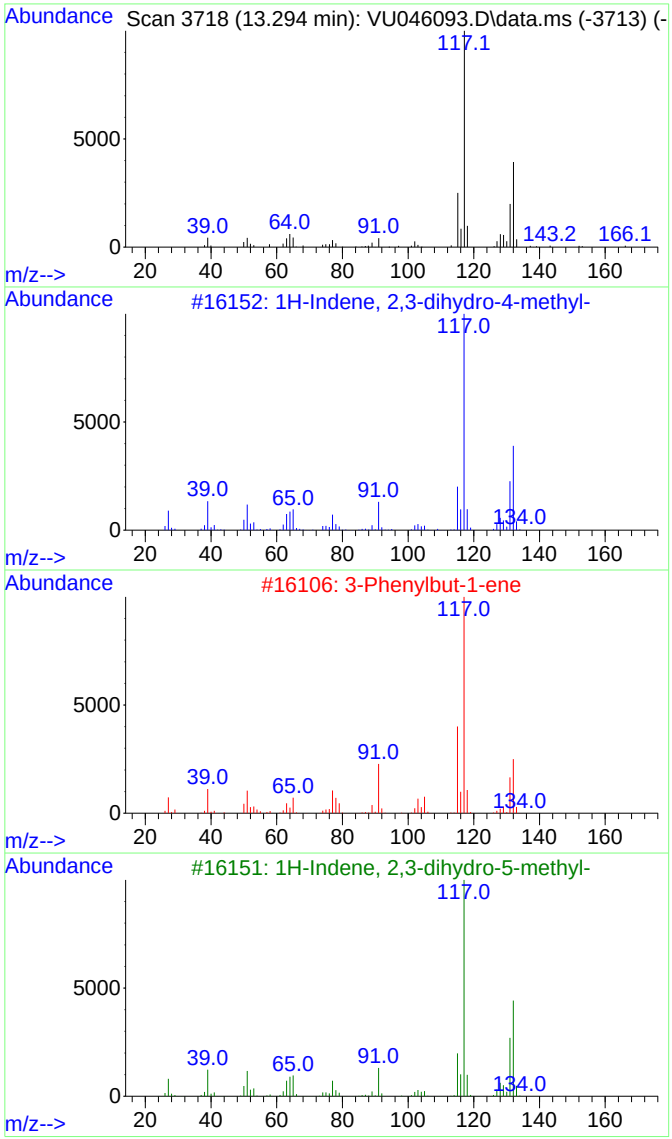
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

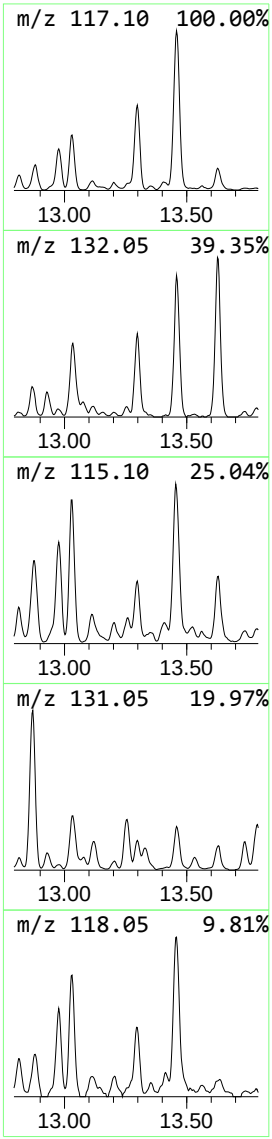
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 44 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 41

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.294 | 6.70 ug/L | 123654 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 91 |
| 2 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 91 |
| 3 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 90 |
| 4 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 5 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 86 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

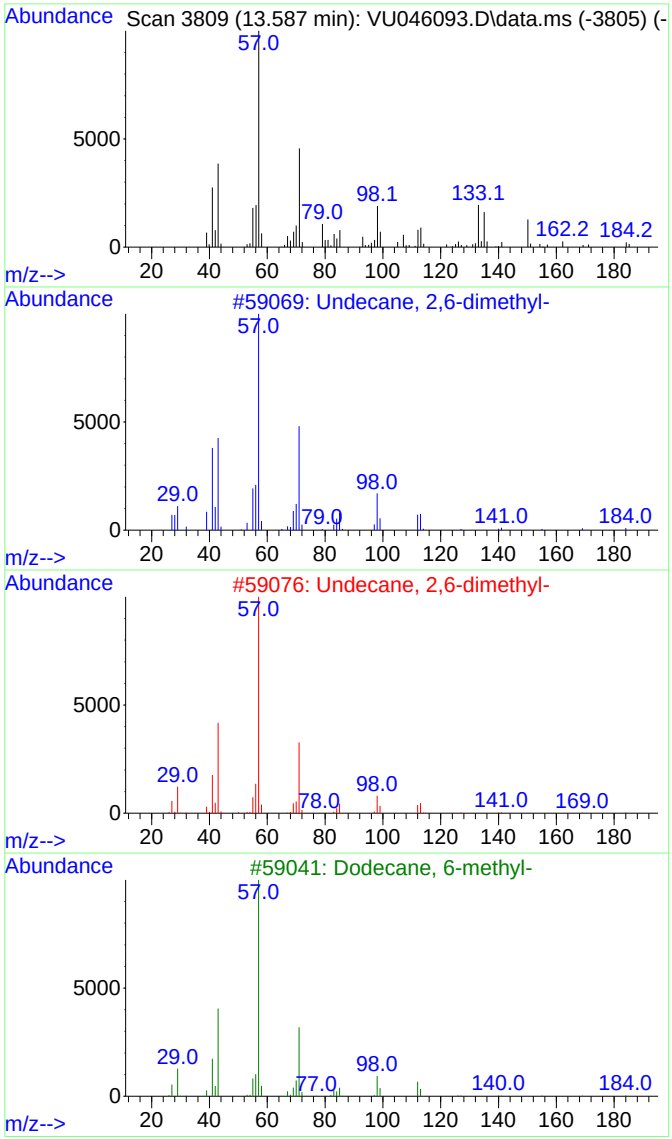
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

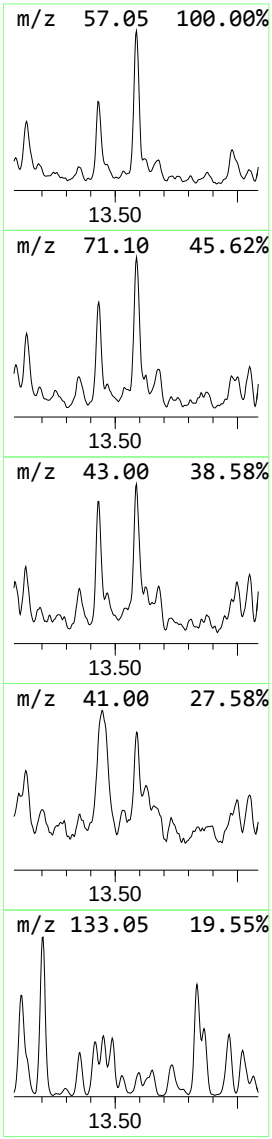
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 56

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.587 | 3.74 ug/L | 69060 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 2,6-dimethyl- | 184 | C13H28 | 017301-23-4 | 86 |
| 2 | Undecane, 2,6-dimethyl- | 184 | C13H28 | 017301-23-4 | 60 |
| 3 | Dodecane, 6-methyl- | 184 | C13H28 | 006044-71-9 | 53 |
| 4 | Undecane, 2,6-dimethyl- | 184 | C13H28 | 017301-23-4 | 49 |
| 5 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

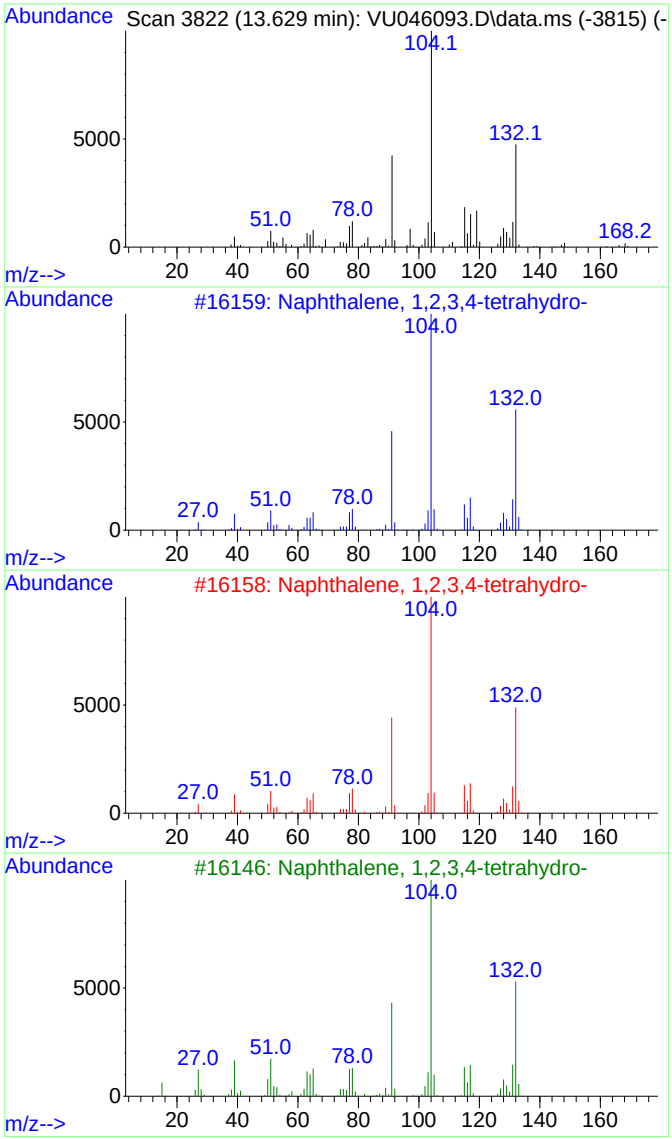
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

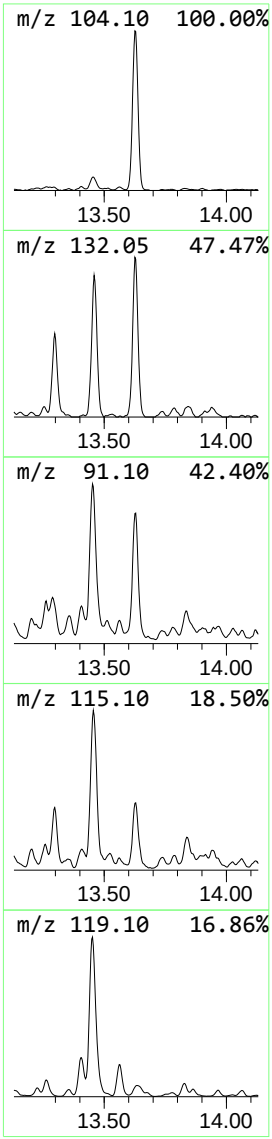
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 49 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.629 | 21.69 ug/L | 400516 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 93 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 91 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 83 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 78 |
| 5 | Indan, epoxide | 132 | C9H8O | 000768-22-9 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

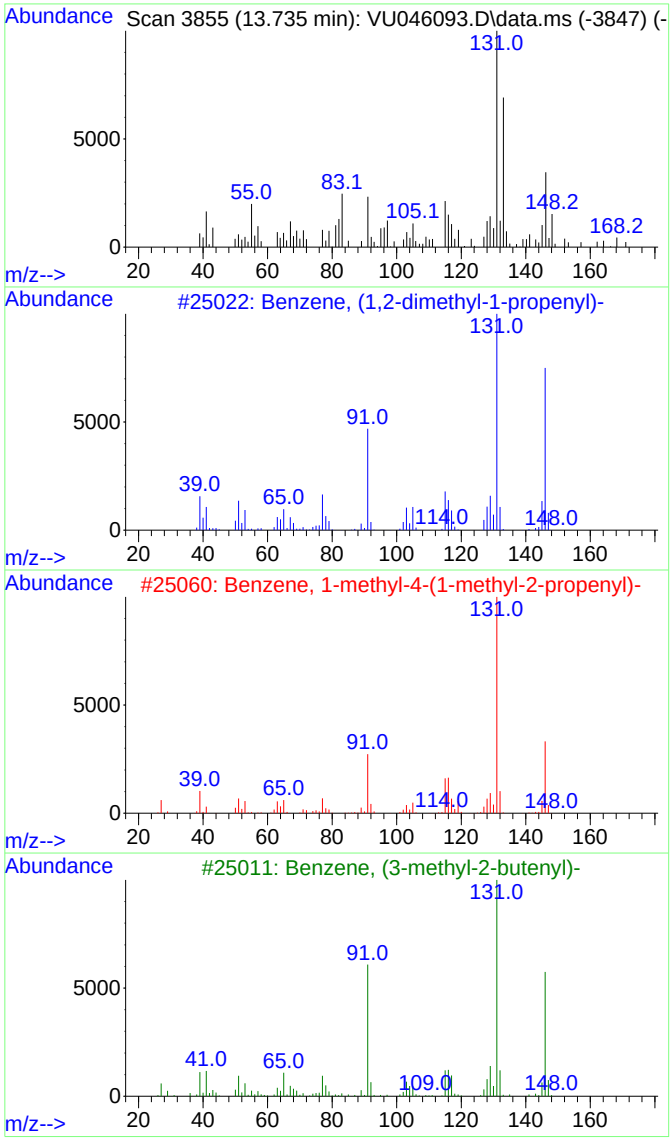
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

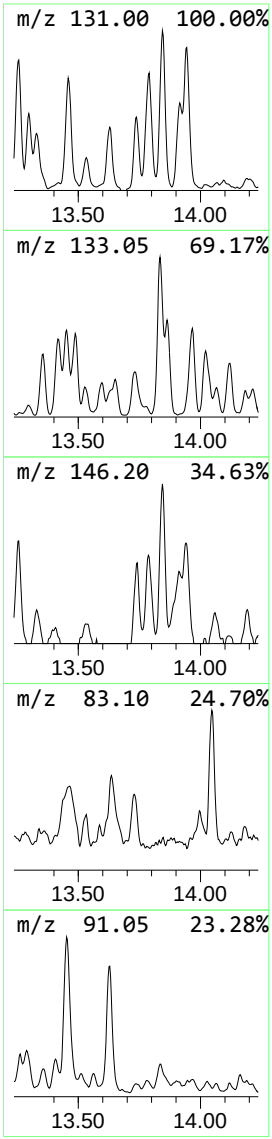
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 50 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 55

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.735 | 3.82 ug/L | 70580 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 96 |
| 2 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 96 |
| 3 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 94 |
| 4 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 94 |
| 5 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 89 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

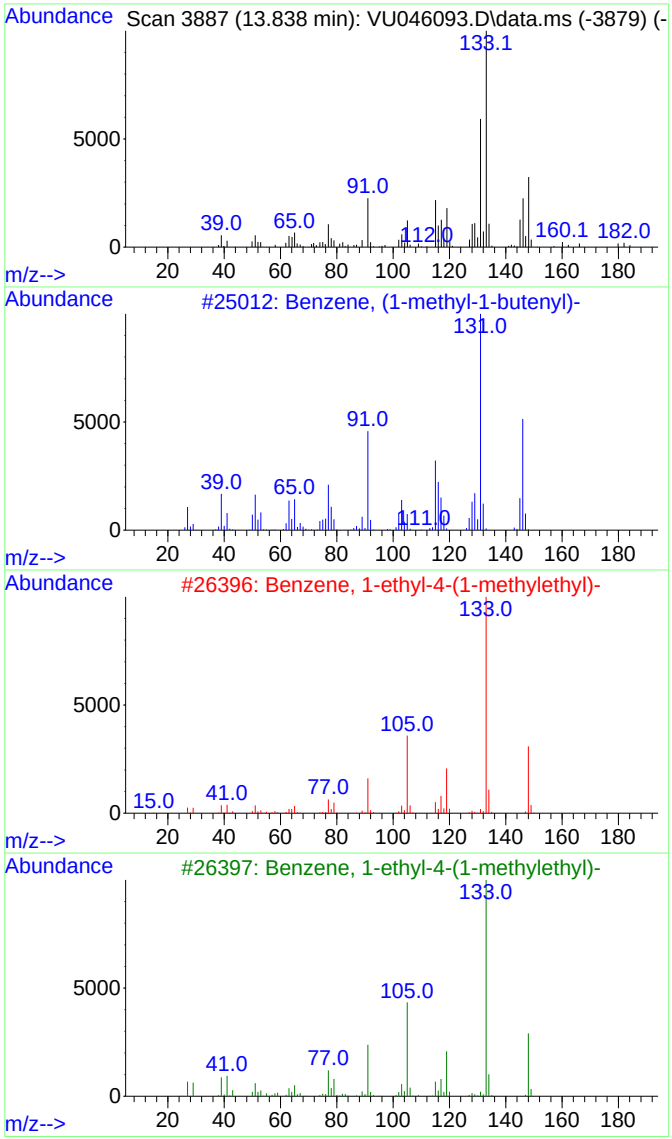
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

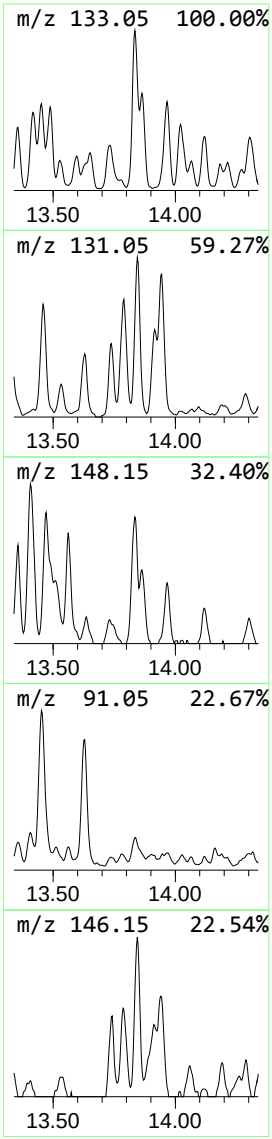
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 51 Benzene, (1-methyl-1-butenyl)- Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.838 | 7.29 ug/L | 134509 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 86 |
| 2 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 53 |
| 3 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 53 |
| 4 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 49 |
| 5 | Ethanone, 1-(4-ethylphenyl)- | 148 | C10H12O | 000937-30-4 | 45 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

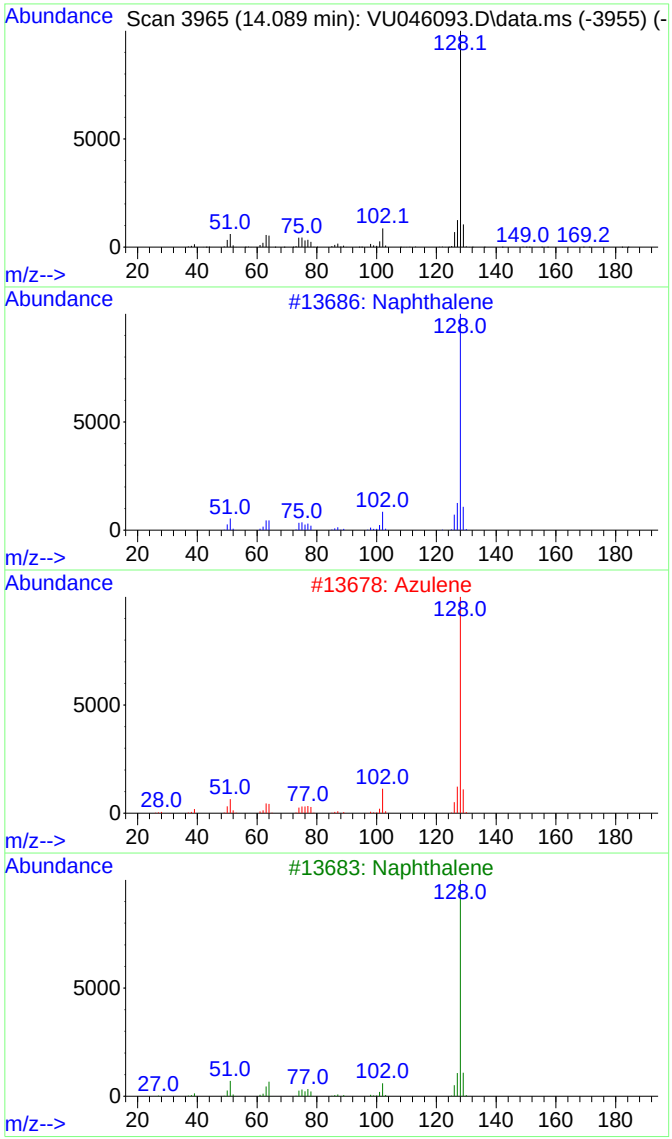
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

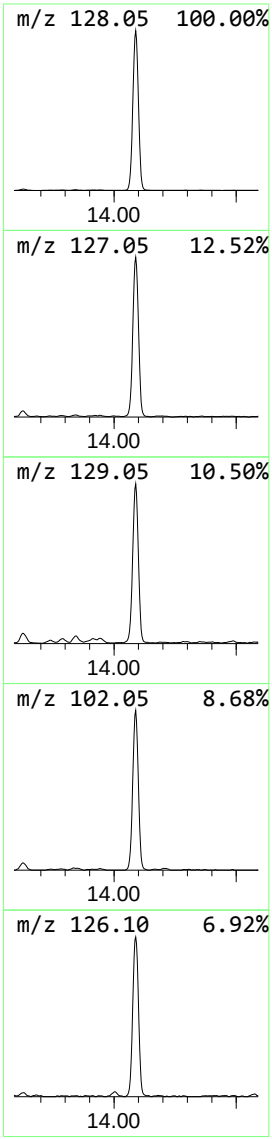
**********

Peak Number 52 Azulene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.089 | 69.33 ug/L | 1280080 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene | 128 | C10H8 | 000091-20-3 | 95 |
| 2 | Azulene | 128 | C10H8 | 000275-51-4 | 93 |
| 3 | Naphthalene | 128 | C10H8 | 000091-20-3 | 93 |
| 4 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |
| 5 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

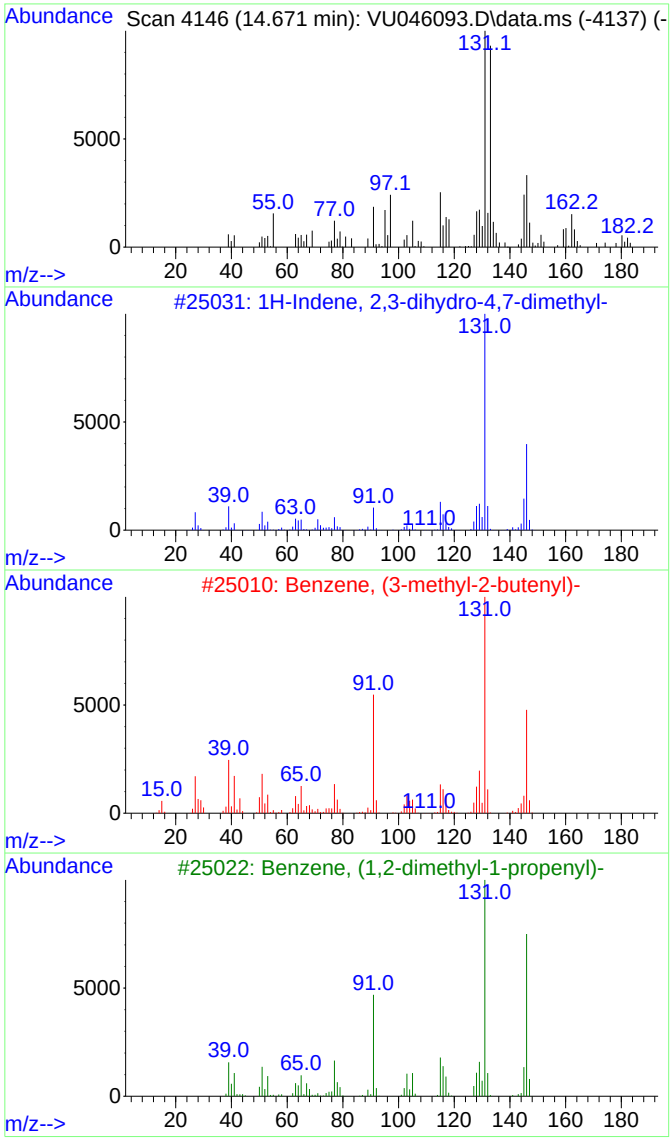
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

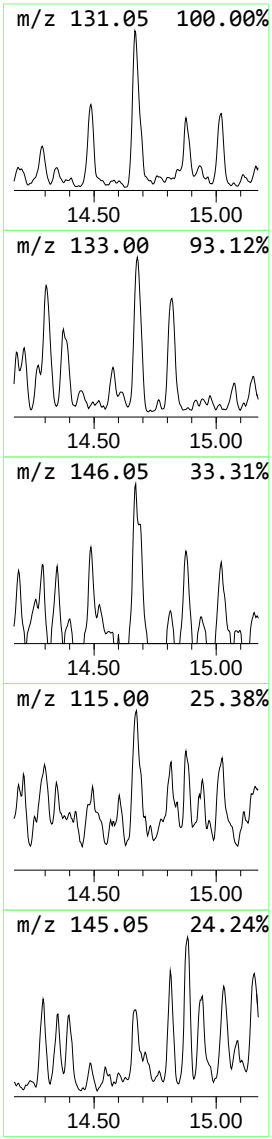
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 53 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 51

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.671 | 4.03 ug/L | 74377 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 50 |
| 2 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 46 |
| 3 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 46 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 46 |
| 5 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 46 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

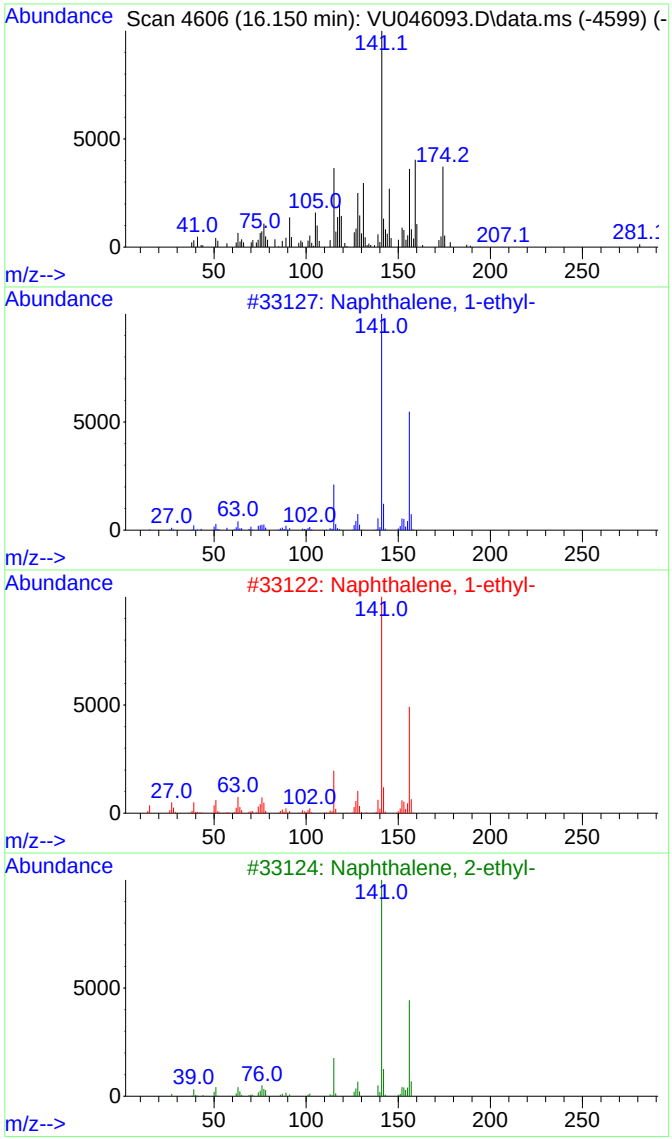
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

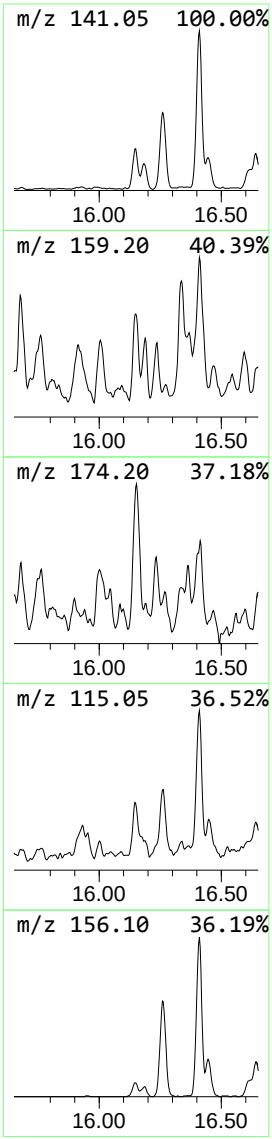
**********

Peak Number 56 Naphthalene, 1-ethyl- Concentration Rank 59

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.150 | 2.63 ug/L | 48621 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 46 |
| 2 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 46 |
| 3 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 41 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 41 |
| 5 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 41 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

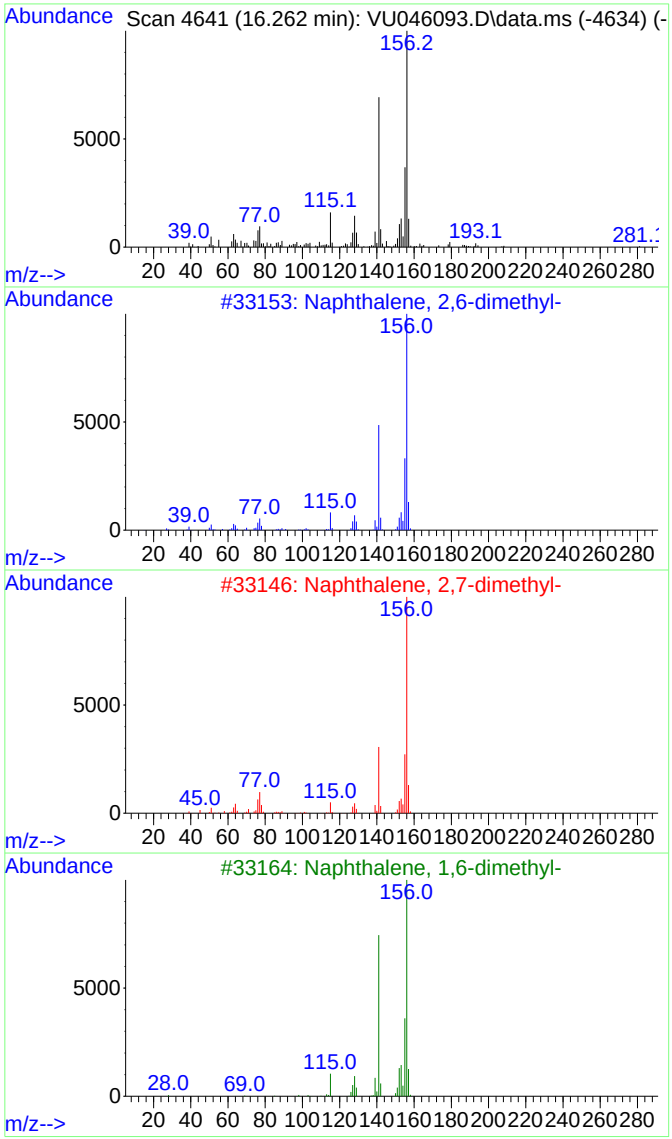
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

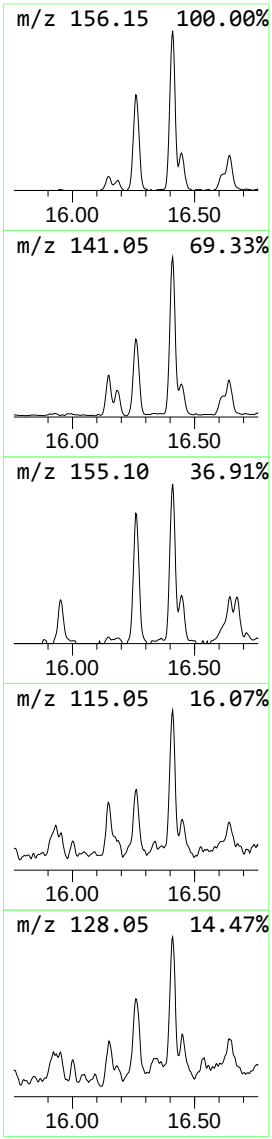
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 57 Naphthalene, 2,6-dimethyl- Concentration Rank 44

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.262 | 5.81 ug/L | 107210 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 2 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 4 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

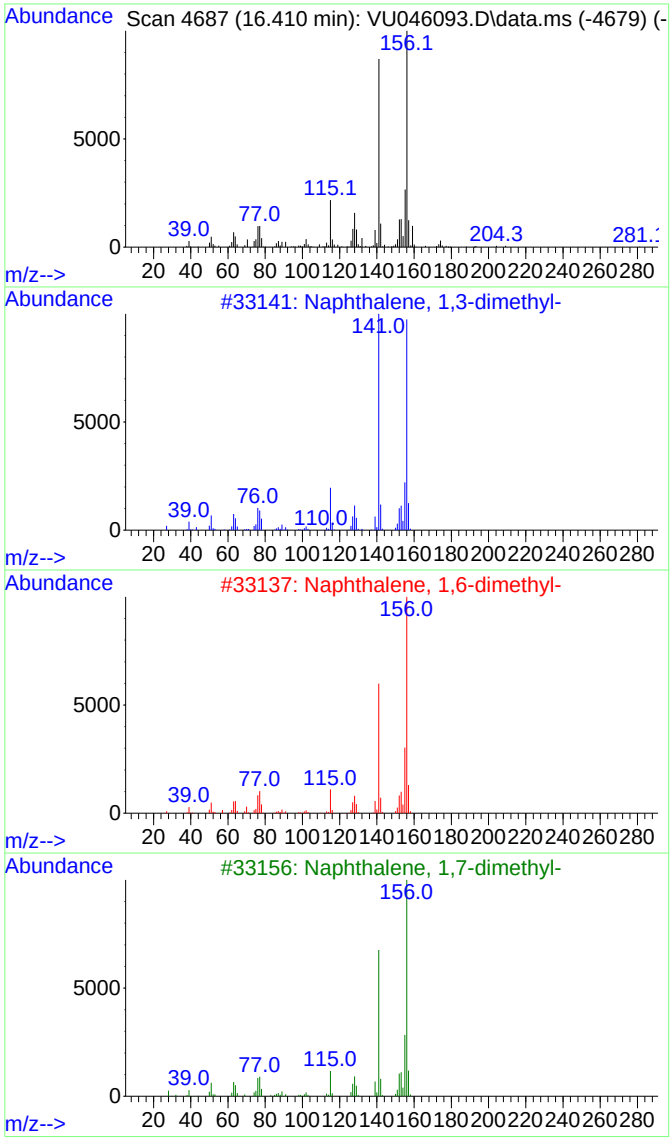
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

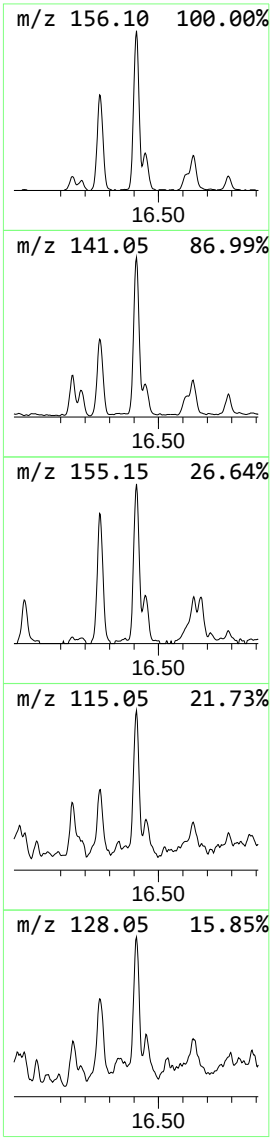
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 58 Naphthalene, 1,3-dimethyl- Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.410 | 8.51 ug/L | 157099 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 96 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046093.D
Acq On : 04 Dec 2021 15:13
Operator : SY/MD
Sample : M4942-05
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.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... | 7.497 | 5.0 | ug/L | 40044 | 1 | 6.250 | 399116 | 50.0 |
| (DEL) Alkane: S... | 7.655 | 6.5 | ug/L | 51672 | 1 | 6.250 | 399116 | 50.0 |
| (DEL) Alkane: C... | 8.864 | 6.8 | ug/L | 69014 | 2 | 9.426 | 510847 | 50.0 |
| (DEL) Alkane: C... | 8.925 | 4.7 | ug/L | 48281 | 2 | 9.426 | 510847 | 50.0 |
| (DEL) Alkane: C... | 9.057 | 3.9 | ug/L | 39444 | 2 | 9.426 | 510847 | 50.0 |
| (DEL) Alkane: S... | 9.124 | 4.0 | ug/L | 40750 | 2 | 9.426 | 510847 | 50.0 |
| (DEL) Alkane: C... | 9.166 | 9.3 | ug/L | 94602 | 2 | 9.426 | 510847 | 50.0 |
| (DEL) Alkane: S... | 9.211 | 11.1 | ug/L | 112956 | 2 | 9.426 | 510847 | 50.0 |
| (DEL) Alkane: S... | 9.336 | 16.5 | ug/L | 168238 | 2 | 9.426 | 510847 | 50.0 |
| Pentalene, octa... | 9.510 | 5.0 | ug/L | 50881 | 2 | 9.426 | 510847 | 50.0 |
| Cyclohexene, 3-... | 9.893 | 3.2 | ug/L | 32660 | 2 | 9.426 | 510847 | 50.0 |
| (DEL) Alkane: C... | 10.025 | 25.0 | ug/L | 255462 | 2 | 9.426 | 510847 | 50.0 |
| (DEL) Alkane: S... | 10.253 | 34.8 | ug/L | 355300 | 2 | 9.426 | 510847 | 50.0 |
| (DEL) Alkane: C... | 10.356 | 25.9 | ug/L | 264715 | 2 | 9.426 | 510847 | 50.0 |
| (DEL) Alkane: S... | 10.558 | 17.6 | ug/L | 179298 | 2 | 9.426 | 510847 | 50.0 |
| (DEL) Alkane: S... | 10.626 | 12.6 | ug/L | 233429 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, propyl- | 10.912 | 52.3 | ug/L | 965181 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, 1-ethy... | 11.005 | 170.8 | ug/L | 3154230 | 3 | 11.819 | 923110 | 50.0 |
| Decyl pentyl ether | 11.201 | 2.6 | ug/L | 47396 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, 1-ethy... | 11.301 | 65.8 | ug/L | 1214210 | 3 | 11.819 | 923110 | 50.0 |
| (DEL) Alkane: S... | 11.378 | 5.7 | ug/L | 106024 | 3 | 11.819 | 923110 | 50.0 |
| 4-Methyl-3-hept... | 11.420 | 17.3 | ug/L | 319859 | 3 | 11.819 | 923110 | 50.0 |
| (DEL) Alkane: S... | 11.574 | 7.2 | ug/L | 133661 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, (2-met... | 11.616 | 11.7 | ug/L | 215244 | 3 | 11.819 | 923110 | 50.0 |
| (DEL) Alkane: C... | 11.709 | 12.5 | ug/L | 231191 | 3 | 11.819 | 923110 | 50.0 |
| p-Cymene | 11.748 | 29.9 | ug/L | 551118 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, 1-ethy... | 11.899 | 84.6 | ug/L | 1561970 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, 1-prop... | 12.102 | 72.5 | ug/L | 1337960 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, 1-meth... | 12.131 | 64.8 | ug/L | 1195780 | 3 | 11.819 | 923110 | 50.0 |
| Indene | 12.317 | 23.4 | ug/L | 431603 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, (1-met... | 12.381 | 38.2 | ug/L | 705203 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, 1-meth... | 12.468 | 39.9 | ug/L | 736791 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, 1-ethy... | 12.574 | 42.6 | ug/L | 786620 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, 1,3-di... | 12.815 | 13.5 | ug/L | 249090 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, 2-ethy... | 12.877 | 18.1 | ug/L | 333259 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, 1,2,3,... | 12.976 | 42.7 | ug/L | 788123 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, 1,2,3,... | 13.031 | 48.7 | ug/L | 898445 | 3 | 11.819 | 923110 | 50.0 |
| 3,4-Dimethylcumene | 13.201 | 6.0 | ug/L | 110192 | 3 | 11.819 | 923110 | 50.0 |
| 1H-Indene, 2,3-... | 13.294 | 6.7 | ug/L | 123654 | 3 | 11.819 | 923110 | 50.0 |
| (DEL) Alkane: S... | 13.587 | 3.7 | ug/L | 69060 | 3 | 11.819 | 923110 | 50.0 |
| Naphthalene, 1,... | 13.629 | 21.7 | ug/L | 400516 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, (1,2-d... | 13.735 | 3.8 | ug/L | 70580 | 3 | 11.819 | 923110 | 50.0 |
| Benzene, (1-met... | 13.838 | 7.3 | ug/L | 134509 | 3 | 11.819 | 923110 | 50.0 |
| Azulene | 14.089 | 69.3 | ug/L | 1280080 | 3 | 11.819 | 923110 | 50.0 |
| 1H-Indene, 2,3-... | 14.671 | 4.0 | ug/L | 74377 | 3 | 11.819 | 923110 | 50.0 |
| Naphthalene, 1-... | 16.150 | 2.6 | ug/L | 48621 | 3 | 11.819 | 923110 | 50.0 |
| Naphthalene, 2,... | 16.262 | 5.8 | ug/L | 107210 | 3 | 11.819 | 923110 | 50.0 |
| Naphthalene, 1,... | 16.410 | 8.5 | ug/L | 157099 | 3 | 11.819 | 923110 | 50.0 |