LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

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: VU046115.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.600 | 73 | 81 | 93 | rVB | 98385 | 107360 | 8.29% | 1.064% |
| 2 | 1.916 | 170 | 179 | 190 | rVB | 65214 | 80905 | 6.25% | 0.802% |
| 3 | 1.996 | 201 | 204 | 206 | rVB | 547 | 312 | 0.02% | 0.003% |
| 4 | 2.510 | 360 | 364 | 367 | rVB | 319 | 208 | 0.02% | 0.002% |
| 5 | 2.568 | 370 | 382 | 404 | rBV | 172733 | 288177 | 22.25% | 2.856% |
| 6 | 2.800 | 447 | 454 | 457 | rVV2 | 310 | 357 | 0.03% | 0.004% |
| 7 | 3.051 | 522 | 532 | 544 | rVB3 | 4562 | 8034 | 0.62% | 0.080% |
| 8 | 3.182 | 565 | 573 | 574 | rBV2 | 1779 | 2045 | 0.16% | 0.020% |
| 9 | 3.378 | 630 | 634 | 637 | rBV | 164 | 201 | 0.02% | 0.002% |
| 10 | 3.671 | 723 | 725 | 728 | rVB | 323 | 187 | 0.01% | 0.002% |
| 11 | 4.401 | 950 | 952 | 955 | rVB2 | 313 | 192 | 0.01% | 0.002% |
| 12 | 4.430 | 959 | 961 | 966 | rVV | 245 | 202 | 0.02% | 0.002% |
| 13 | 4.632 | 1008 | 1024 | 1051 | rBV | 77203 | 197758 | 15.27% | 1.960% |
| 14 | 5.067 | 1142 | 1159 | 1183 | rBV | 134942 | 314589 | 24.29% | 3.118% |
| 15 | 5.186 | 1194 | 1196 | 1202 | rBV2 | 191 | 233 | 0.02% | 0.002% |
| 16 | 5.285 | 1223 | 1227 | 1228 | rBV | 331 | 222 | 0.02% | 0.002% |
| 17 | 5.340 | 1240 | 1244 | 1247 | rBV | 216 | 236 | 0.02% | 0.002% |
| 18 | 5.468 | 1282 | 1284 | 1289 | rVB | 291 | 218 | 0.02% | 0.002% |
| 19 | 5.729 | 1339 | 1365 | 1387 | rBV2 | 300085 | 808003 | 62.38% | 8.008% |
| 20 | 5.941 | 1427 | 1431 | 1434 | rBV2 | 229 | 201 | 0.02% | 0.002% |
| 21 | 5.976 | 1438 | 1442 | 1446 | rBV3 | 240 | 271 | 0.02% | 0.003% |
| 22 | 6.034 | 1456 | 1460 | 1462 | rBV2 | 249 | 216 | 0.02% | 0.002% |
| 23 | 6.070 | 1469 | 1471 | 1475 | rVB | 280 | 245 | 0.02% | 0.002% |
| 24 | 6.089 | 1475 | 1477 | 1480 | rBV | 256 | 183 | 0.01% | 0.002% |
| 25 | 6.250 | 1513 | 1527 | 1544 | rBV | 235128 | 441297 | 34.07% | 4.374% |
| 26 | 6.404 | 1572 | 1575 | 1579 | rBV | 296 | 260 | 0.02% | 0.003% |
| 27 | 6.533 | 1606 | 1615 | 1625 | rBV4 | 3899 | 7189 | 0.56% | 0.071% |
| 28 | 6.693 | 1651 | 1665 | 1682 | rBV | 184473 | 354979 | 27.40% | 3.518% |
| 29 | 6.806 | 1696 | 1700 | 1705 | rBV2 | 505 | 480 | 0.04% | 0.005% |
| 30 | 7.214 | 1824 | 1827 | 1832 | rVB | 196 | 222 | 0.02% | 0.002% |
| 31 | 7.247 | 1832 | 1837 | 1841 | rBV | 253 | 286 | 0.02% | 0.003% |
| 32 | 7.568 | 1924 | 1937 | 1953 | rBV | 106387 | 186784 | 14.42% | 1.851% |
| 33 | 7.899 | 2026 | 2040 | 2056 | rBV | 388859 | 670738 | 51.78% | 6.648% |
| 34 | 8.179 | 2116 | 2127 | 2144 | rBV | 71106 | 119779 | 9.25% | 1.187% |
| 35 | 8.240 | 2144 | 2146 | 2149 | rVB2 | 544 | 276 | 0.02% | 0.003% |
| 36 | 8.632 | 2256 | 2268 | 2295 | rBV | 238189 | 414490 | 32.00% | 4.108% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

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 | 8.790 | 2315 | 2317 | 2320 | rVB | 427 | 213 | 0.02% | 0.002% |
| 38 | 8.870 | 2334 | 2342 | 2348 | rBV3 | 1276 | 1944 | 0.15% | 0.019% |
| 39 | 8.918 | 2348 | 2357 | 2359 | rBV4 | 1169 | 1439 | 0.11% | 0.014% |
| 40 | 8.954 | 2365 | 2368 | 2370 | rVB2 | 414 | 250 | 0.02% | 0.002% |
| 41 | 8.973 | 2370 | 2374 | 2377 | rBV2 | 258 | 213 | 0.02% | 0.002% |
| 42 | 9.028 | 2388 | 2391 | 2395 | rVB2 | 233 | 188 | 0.01% | 0.002% |
| 43 | 9.057 | 2395 | 2400 | 2403 | rBV2 | 410 | 384 | 0.03% | 0.004% |
| 44 | 9.124 | 2416 | 2421 | 2424 | rBV5 | 448 | 506 | 0.04% | 0.005% |
| 45 | 9.172 | 2427 | 2436 | 2442 | rBV4 | 1067 | 1717 | 0.13% | 0.017% |
| 46 | 9.217 | 2442 | 2450 | 2456 | rVB4 | 1578 | 2090 | 0.16% | 0.021% |
| 47 | 9.333 | 2479 | 2486 | 2487 | rBV3 | 1999 | 1552 | 0.12% | 0.015% |
| 48 | 9.420 | 2499 | 2513 | 2532 | rBV | 325839 | 544979 | 42.07% | 5.401% |
| 49 | 9.510 | 2538 | 2541 | 2548 | rVB5 | 1224 | 1194 | 0.09% | 0.012% |
| 50 | 9.571 | 2548 | 2560 | 2581 | rBV | 226800 | 362701 | 28.00% | 3.595% |
| 51 | 9.693 | 2584 | 2598 | 2615 | rBV | 793528 | 1295314 | 100.00% | 12.838% |
| 52 | 9.886 | 2650 | 2658 | 2659 | rBV2 | 359 | 395 | 0.03% | 0.004% |
| 53 | 10.025 | 2690 | 2701 | 2709 | rBV6 | 3433 | 7515 | 0.58% | 0.074% |
| 54 | 10.102 | 2714 | 2725 | 2742 | rVB | 145003 | 237564 | 18.34% | 2.354% |
| 55 | 10.250 | 2760 | 2771 | 2786 | rVB6 | 5886 | 12651 | 0.98% | 0.125% |
| 56 | 10.314 | 2786 | 2791 | 2795 | rBV5 | 1119 | 1275 | 0.10% | 0.013% |
| 57 | 10.356 | 2797 | 2804 | 2813 | rBV8 | 5292 | 8773 | 0.68% | 0.087% |
| 58 | 10.484 | 2830 | 2844 | 2854 | rBV | 9335 | 14880 | 1.15% | 0.147% |
| 59 | 10.558 | 2854 | 2867 | 2875 | rBV8 | 3644 | 7062 | 0.55% | 0.070% |
| 60 | 10.674 | 2895 | 2903 | 2917 | rVB6 | 3832 | 7321 | 0.57% | 0.073% |
| 61 | 10.758 | 2917 | 2929 | 2943 | rBV | 266277 | 421278 | 32.52% | 4.175% |
| 62 | 10.906 | 2960 | 2975 | 2986 | rBV | 36634 | 55983 | 4.32% | 0.555% |
| 63 | 10.999 | 2994 | 3004 | 3021 | rBV | 82217 | 186205 | 14.38% | 1.845% |
| 64 | 11.089 | 3021 | 3032 | 3056 | rVB | 80644 | 135452 | 10.46% | 1.342% |
| 65 | 11.182 | 3058 | 3061 | 3063 | rBV3 | 686 | 477 | 0.04% | 0.005% |
| 66 | 11.240 | 3075 | 3079 | 3080 | rBV3 | 649 | 472 | 0.04% | 0.005% |
| 67 | 11.295 | 3086 | 3096 | 3113 | rBV | 40812 | 69756 | 5.39% | 0.691% |
| 68 | 11.378 | 3115 | 3122 | 3127 | rVV6 | 4195 | 5586 | 0.43% | 0.055% |
| 69 | 11.417 | 3128 | 3134 | 3140 | rVV3 | 13443 | 17582 | 1.36% | 0.174% |
| 70 | 11.468 | 3140 | 3150 | 3174 | rVB | 228526 | 365002 | 28.18% | 3.618% |
| 71 | 11.574 | 3174 | 3183 | 3189 | rBV2 | 5303 | 9568 | 0.74% | 0.095% |
| 72 | 11.613 | 3189 | 3195 | 3199 | rVV2 | 8595 | 11923 | 0.92% | 0.118% |
| 73 | 11.642 | 3200 | 3204 | 3214 | rVB | 15060 | 21137 | 1.63% | 0.209% |
| 74 | 11.706 | 3215 | 3224 | 3229 | rBV7 | 7644 | 13829 | 1.07% | 0.137% |
| 75 | 11.745 | 3229 | 3236 | 3244 | rVB | 22198 | 33039 | 2.55% | 0.327% |
| 76 | 11.812 | 3245 | 3257 | 3270 | rVV | 384062 | 623483 | 48.13% | 6.179% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BGKQ5DL

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 | 11.896 | 3272 | 3283 | 3293 | rVB | 59397 | 95737 | 7.39% | 0.949% |
| 78 | 12.098 | 3334 | 3346 | 3350 | rBV3 | 52765 | 86494 | 6.68% | 0.857% |
| 79 | 12.195 | 3363 | 3376 | 3390 | rVB | 469862 | 794804 | 61.36% | 7.877% |
| 80 | 12.311 | 3405 | 3412 | 3424 | rVB6 | 12734 | 24817 | 1.92% | 0.246% |
| 81 | 12.378 | 3425 | 3433 | 3449 | rVB | 25389 | 43367 | 3.35% | 0.430% |
| 82 | 12.468 | 3451 | 3461 | 3465 | rBV | 28165 | 44941 | 3.47% | 0.445% |
| 83 | 12.571 | 3486 | 3493 | 3501 | rVB | 35347 | 49526 | 3.82% | 0.491% |
| 84 | 12.703 | 3517 | 3534 | 3551 | rVV9 | 13293 | 44913 | 3.47% | 0.445% |
| 85 | 12.764 | 3551 | 3553 | 3557 | rVB5 | 1417 | 812 | 0.06% | 0.008% |
| 86 | 12.973 | 3612 | 3618 | 3626 | rVB | 24473 | 33995 | 2.62% | 0.337% |
| 87 | 13.028 | 3627 | 3635 | 3650 | rVB | 34529 | 57314 | 4.42% | 0.568% |
| 88 | 13.352 | 3732 | 3736 | 3743 | rVB4 | 2676 | 3041 | 0.23% | 0.030% |
| 89 | 13.407 | 3746 | 3753 | 3754 | rBV6 | 2804 | 3243 | 0.25% | 0.032% |
| 90 | 13.452 | 3760 | 3767 | 3780 | rVB3 | 21364 | 39408 | 3.04% | 0.391% |
| 91 | 13.587 | 3797 | 3809 | 3814 | rBV6 | 5642 | 9834 | 0.76% | 0.097% |
| 92 | 13.626 | 3816 | 3821 | 3831 | rVB4 | 9758 | 14708 | 1.14% | 0.146% |
| 93 | 13.729 | 3849 | 3853 | 3854 | rBV3 | 1458 | 960 | 0.07% | 0.010% |
| 94 | 13.796 | 3872 | 3874 | 3878 | rBV4 | 581 | 348 | 0.03% | 0.003% |
| 95 | 14.047 | 3946 | 3952 | 3954 | rBV6 | 2002 | 2208 | 0.17% | 0.022% |
| 96 | 14.085 | 3955 | 3964 | 3983 | rVV | 63532 | 105297 | 8.13% | 1.044% |
| 97 | 14.192 | 3987 | 3997 | 4011 | rVB10 | 6547 | 14632 | 1.13% | 0.145% |
| 98 | 14.449 | 4072 | 4077 | 4084 | rVB4 | 3741 | 4441 | 0.34% | 0.044% |
| 99 | 15.220 | 4305 | 4317 | 4331 | rBV | 45438 | 78478 | 6.06% | 0.778% |
| 100 | 15.410 | 4368 | 4376 | 4394 | rVB | 26621 | 46245 | 3.57% | 0.458% |

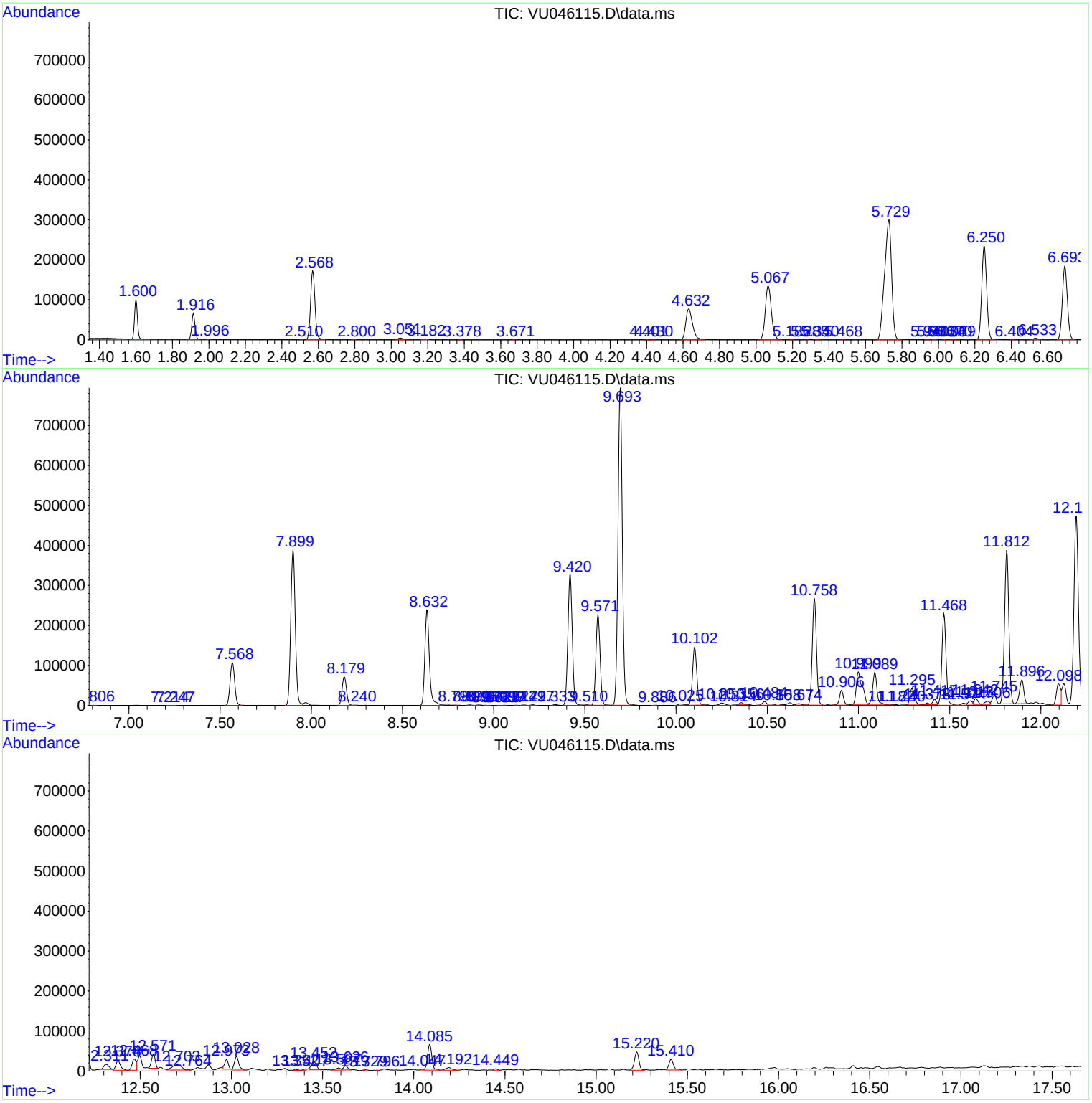
Sum of corrected areas: 10089790

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

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\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

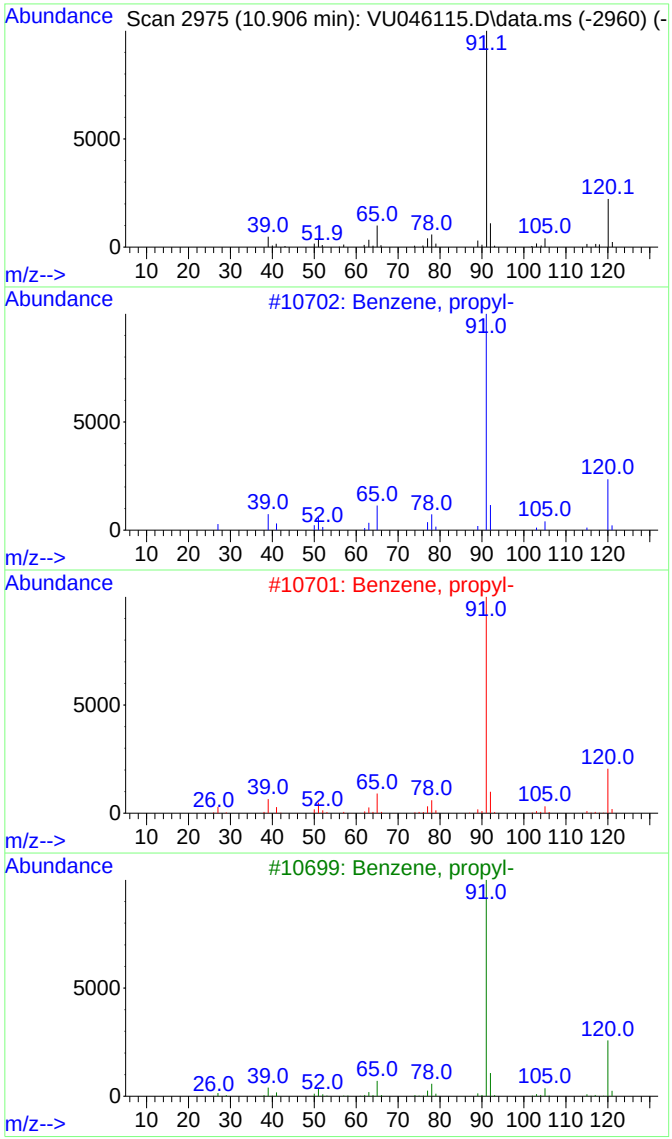
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

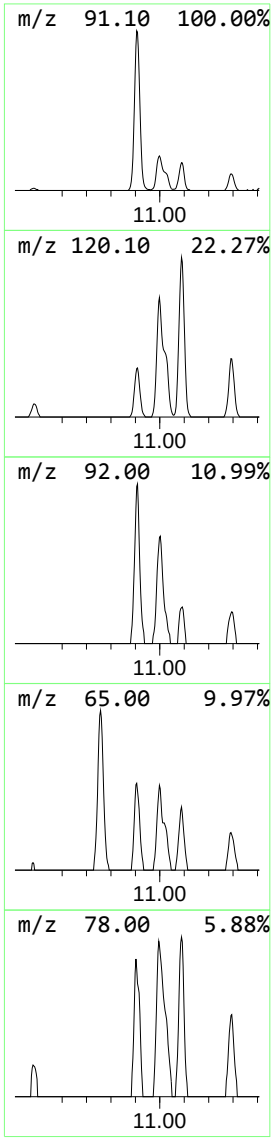
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Benzene, propyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.906 | 4.49 ug/L | 55983 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 90 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 87 |
| 3 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 87 |
| 4 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 83 |
| 5 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 78 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

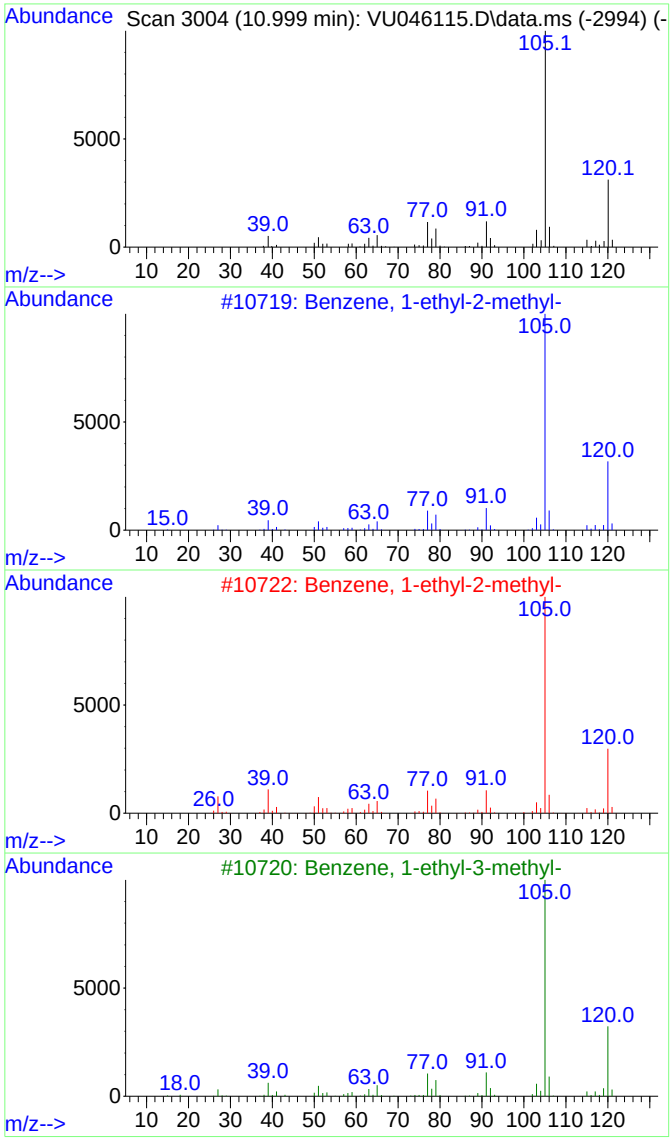
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

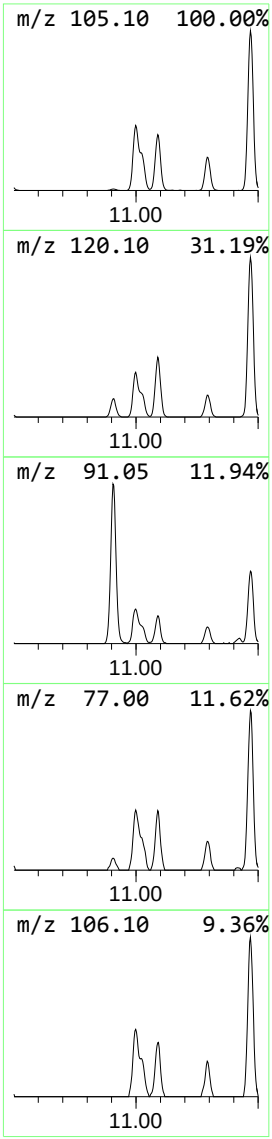
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.999 | 14.93 ug/L | 186205 | 1,4-Dichlorobenzene-d4 | 11.812 |

| 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-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 94 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

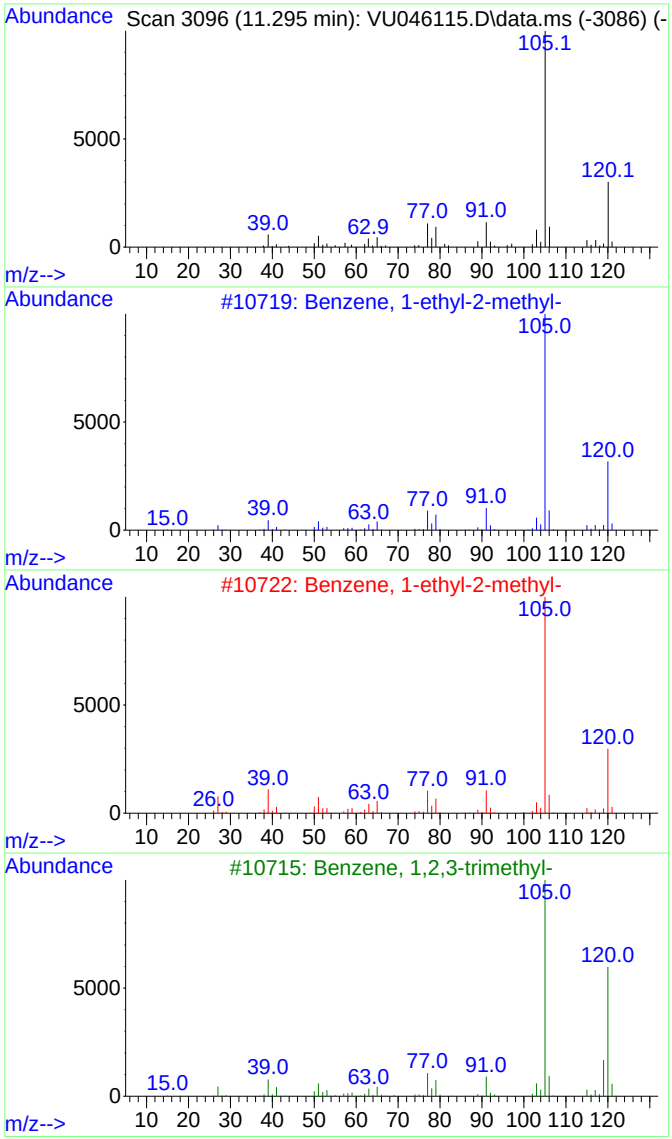
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

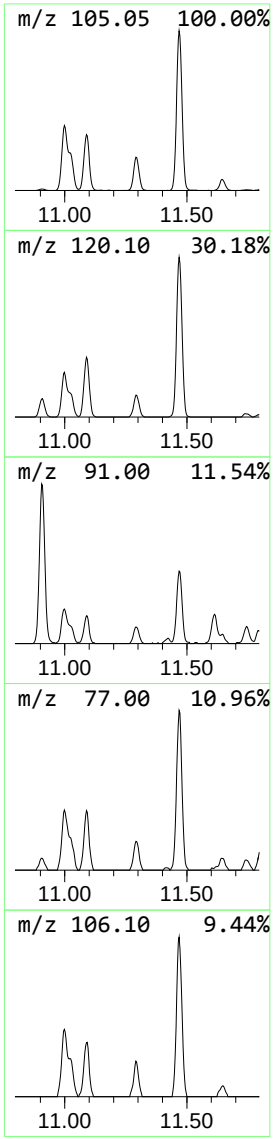
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.295 | 5.59 ug/L | 69756 | 1,4-Dichlorobenzene-d4 | 11.812 |

| 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 | 91 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

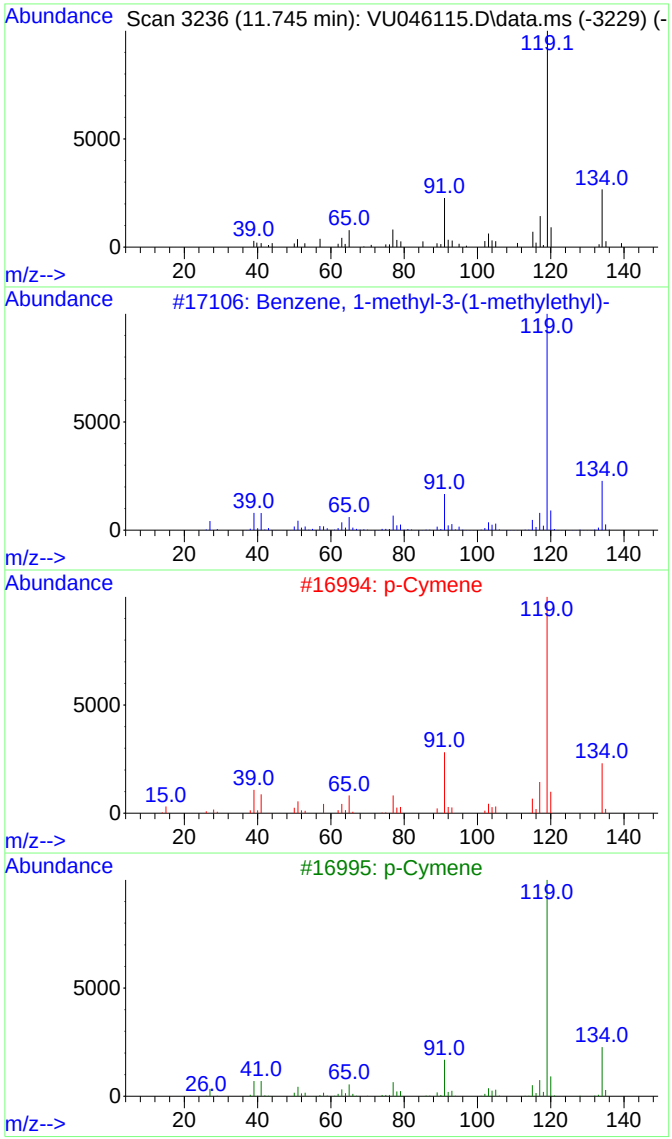
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

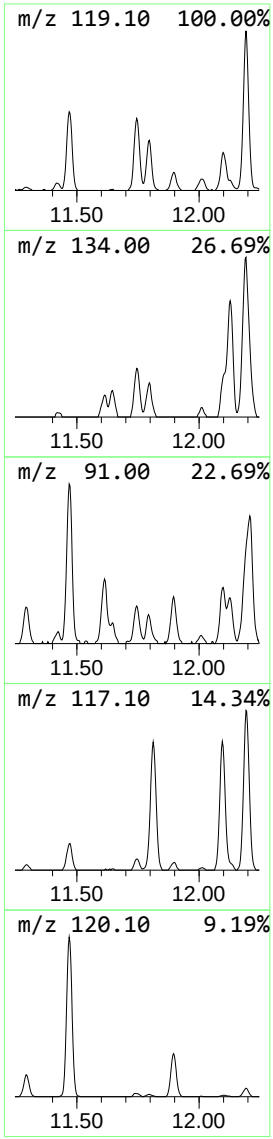
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 1-methyl-3-(1-meth... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.745 | 2.65 ug/L | 33039 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 94 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

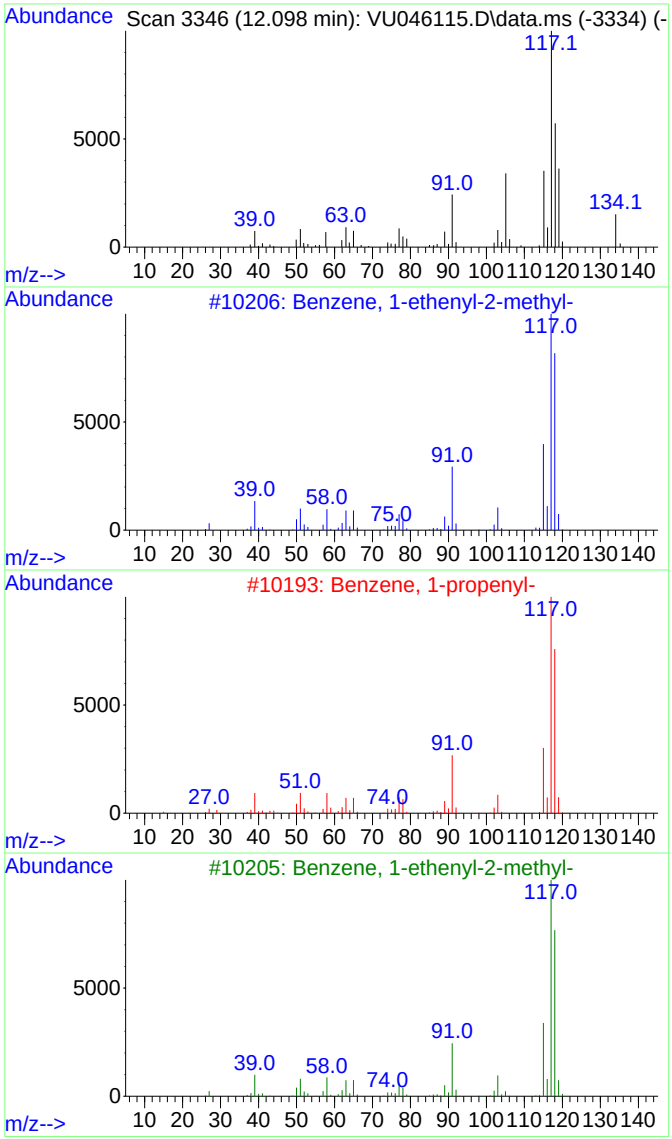
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

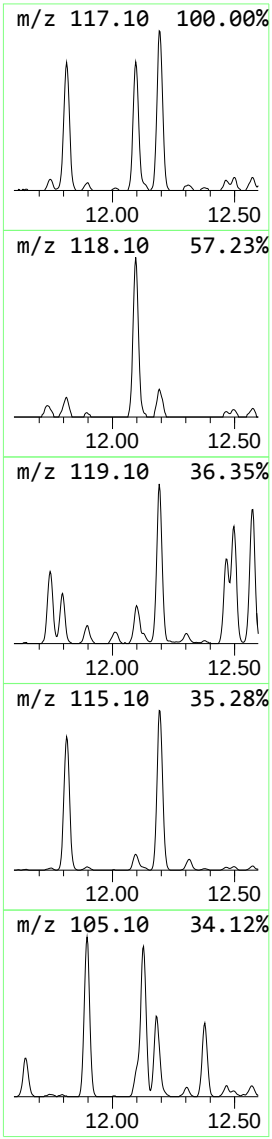
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 1-ethenyl-2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.098 | 6.94 ug/L | 86494 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 92 |
| 2 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 92 |
| 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\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

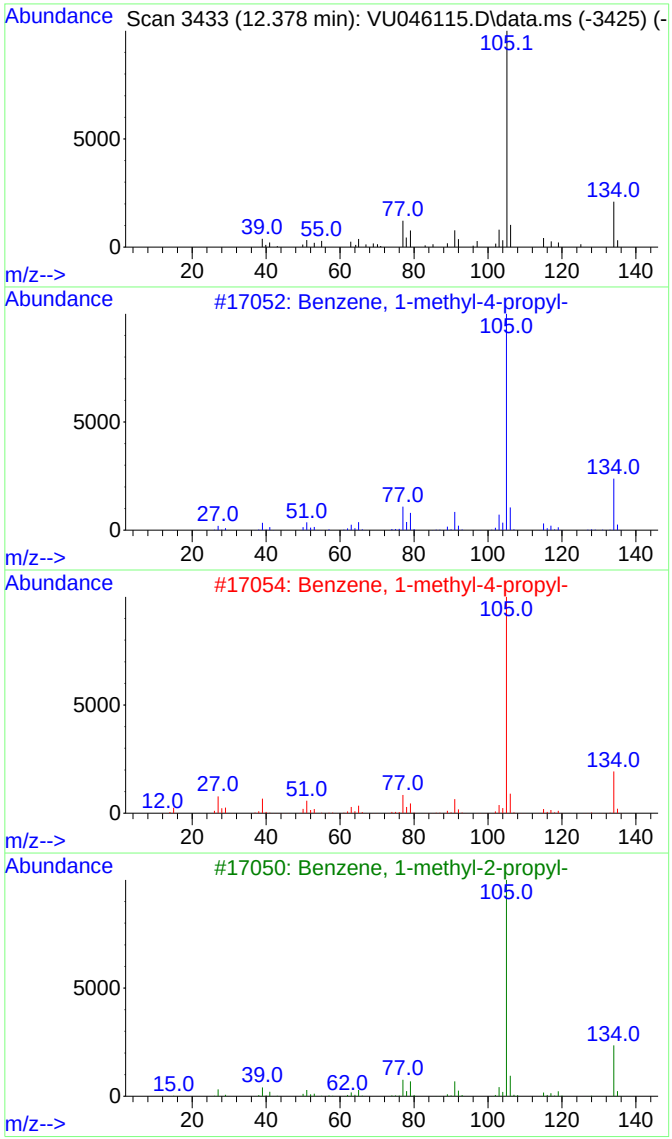
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

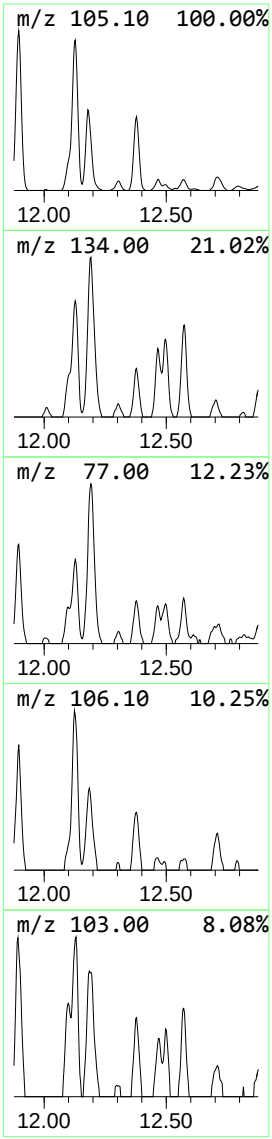
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Benzene, 1-methyl-4-propyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.378 | 3.48 ug/L | 43367 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 95 |
| 2 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 91 |
| 3 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 91 |
| 4 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 90 |
| 5 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

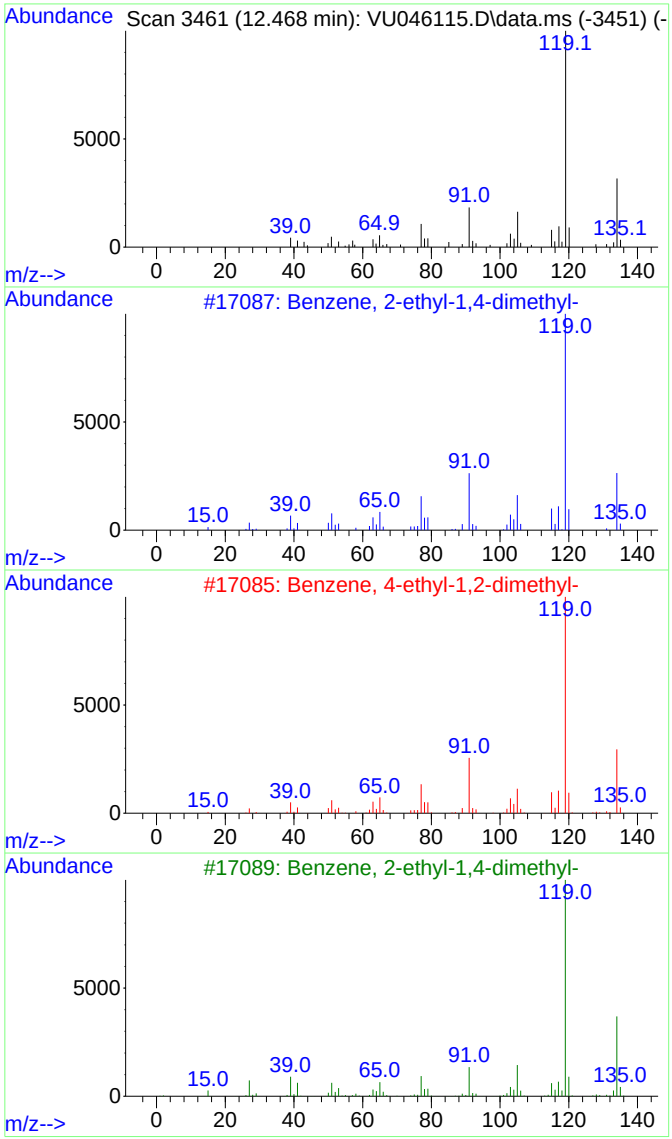
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

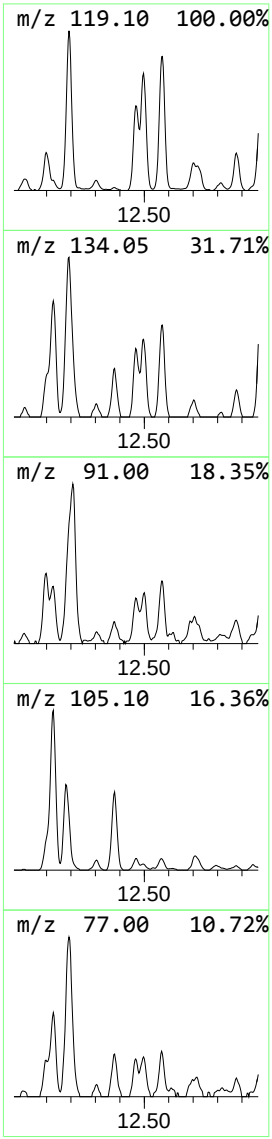
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.468 | 3.60 ug/L | 44941 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 3 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

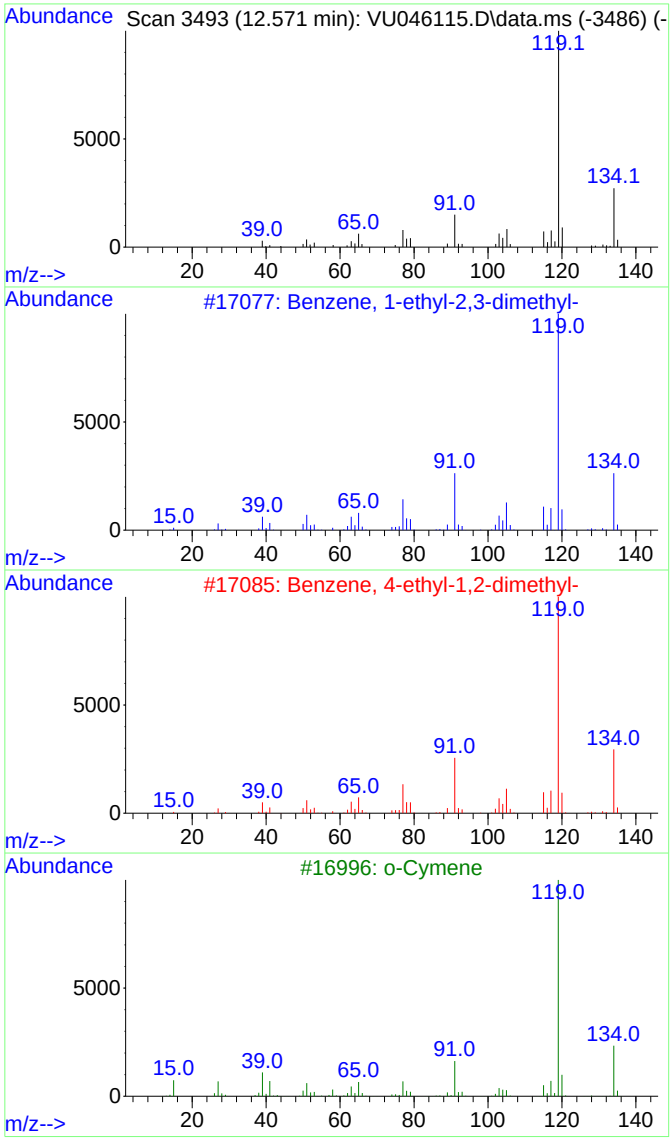
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

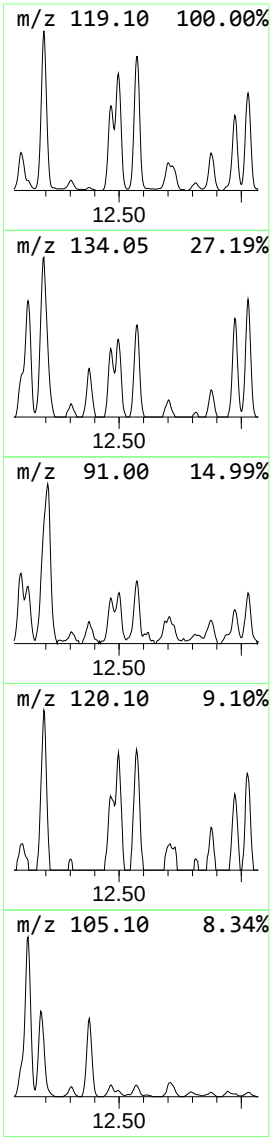
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.571 | 3.97 ug/L | 49526 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

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

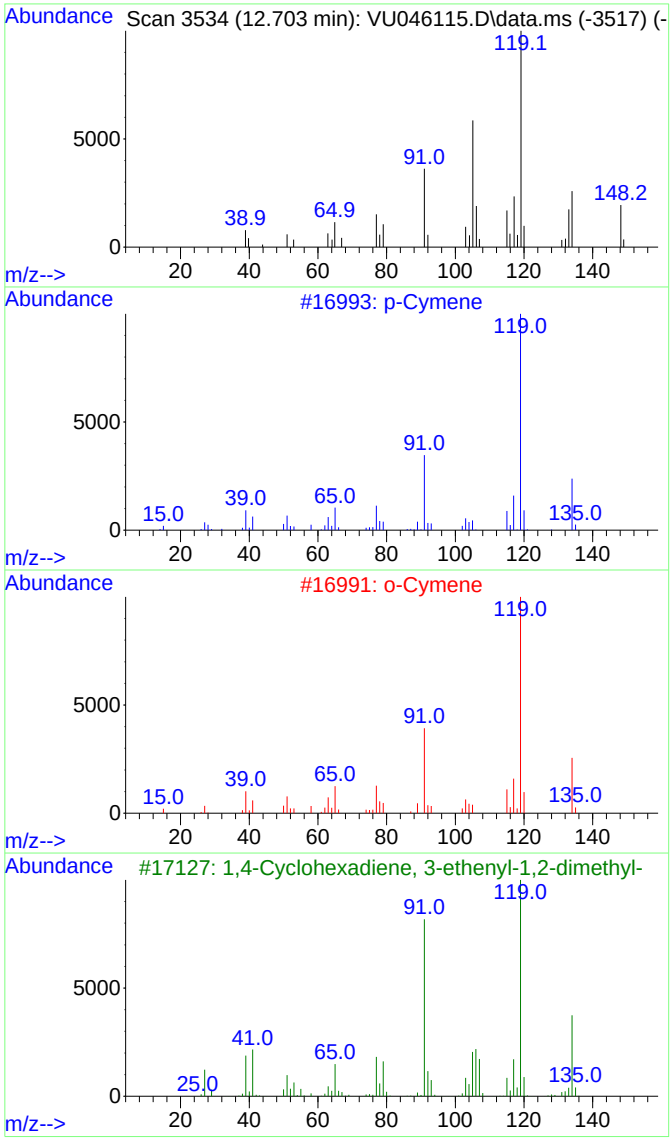
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

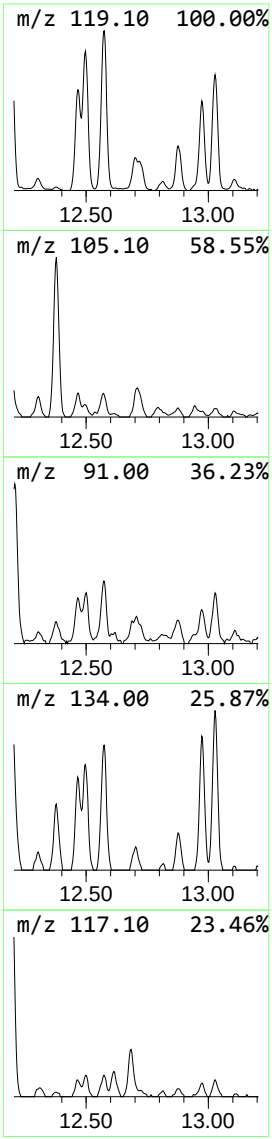
**********

Peak Number 11 p-Cymene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.703 | 3.60 ug/L | 44913 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Cymene | 134 | C10H14 | 000099-87-6 | 70 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 64 |
| 3 | 1,4-Cyclohexadiene, 3-ethenyl-1,... | 134 | C10H14 | 062338-57-2 | 64 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 58 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

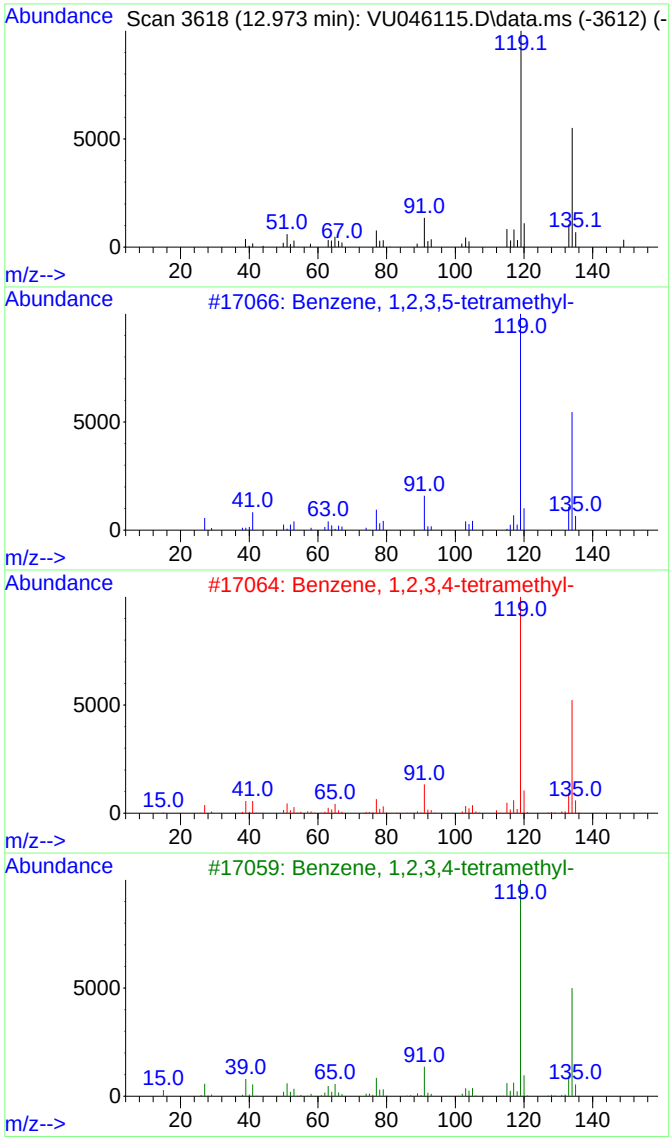
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

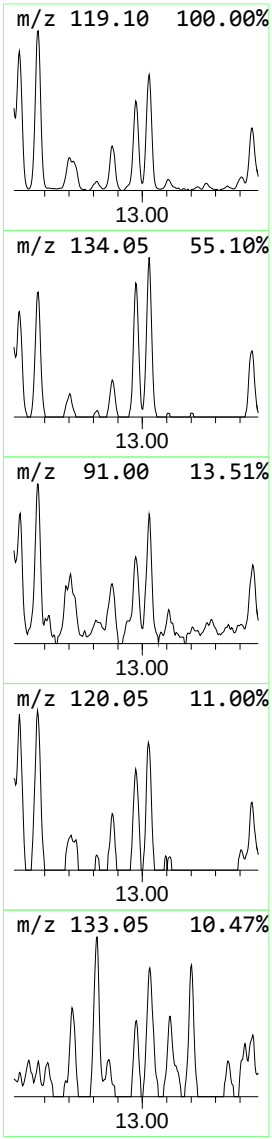
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.973 | 2.73 ug/L | 33995 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 4 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 97 |
| 5 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 96 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

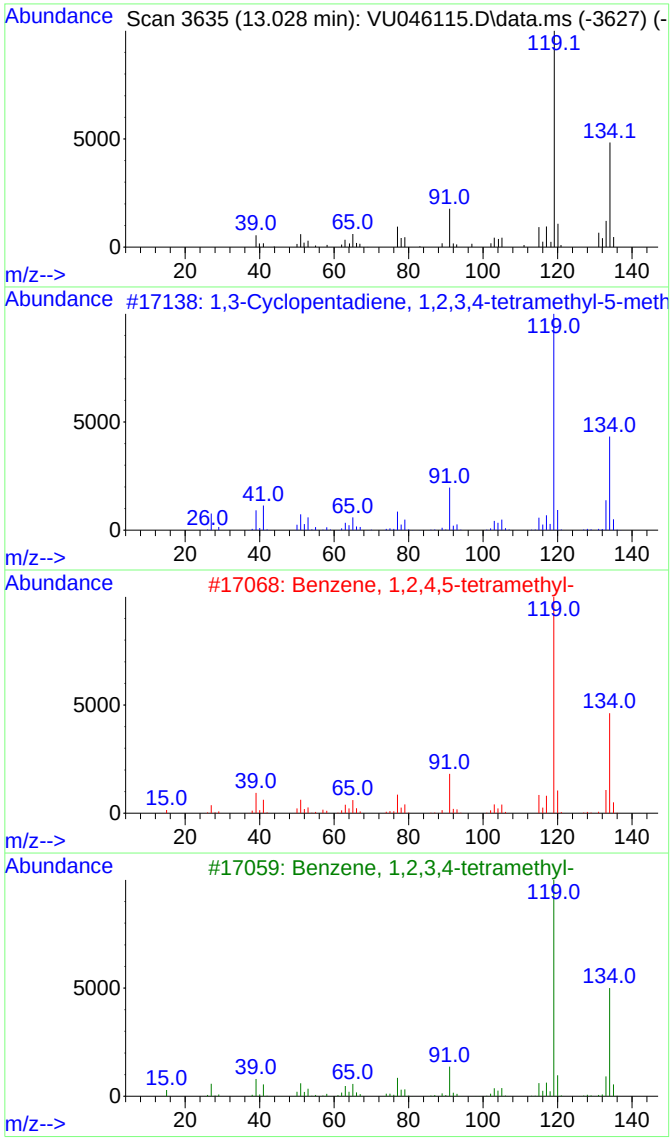
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

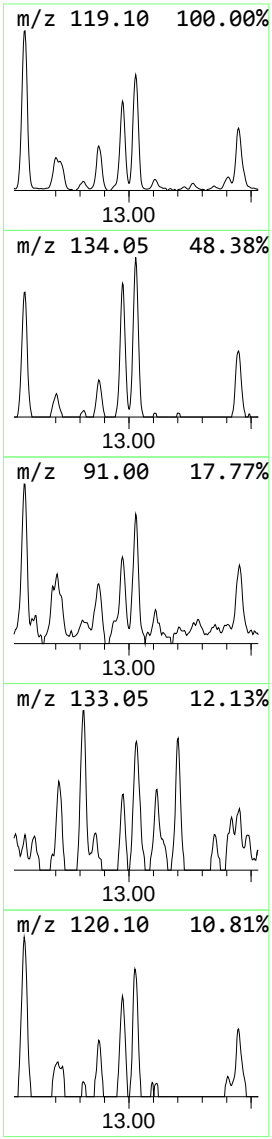
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.028 | 4.60 ug/L | 57314 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 97 |
| 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, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 5 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

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

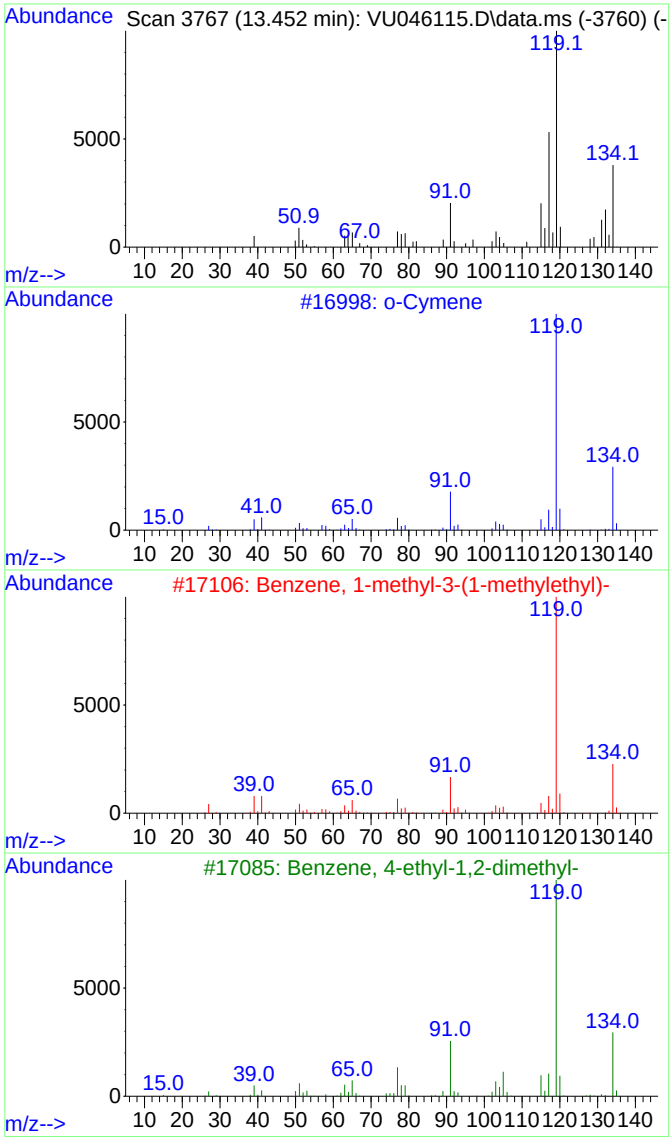
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

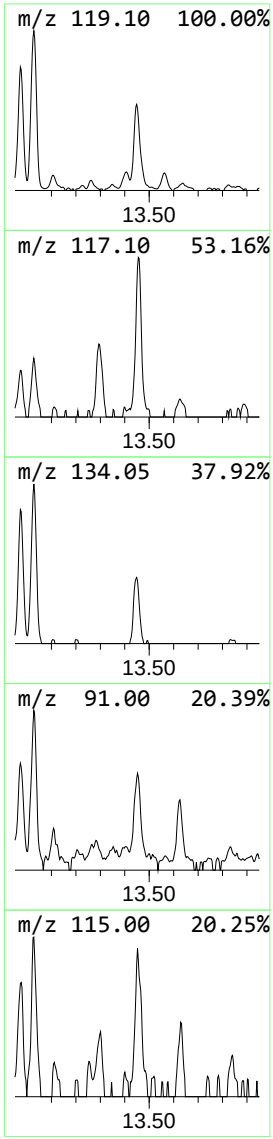
**********

Peak Number 14 unknown-01 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.452 | 3.16 ug/L | 39408 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 49 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 49 |
| 3 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 49 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 49 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 49 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

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

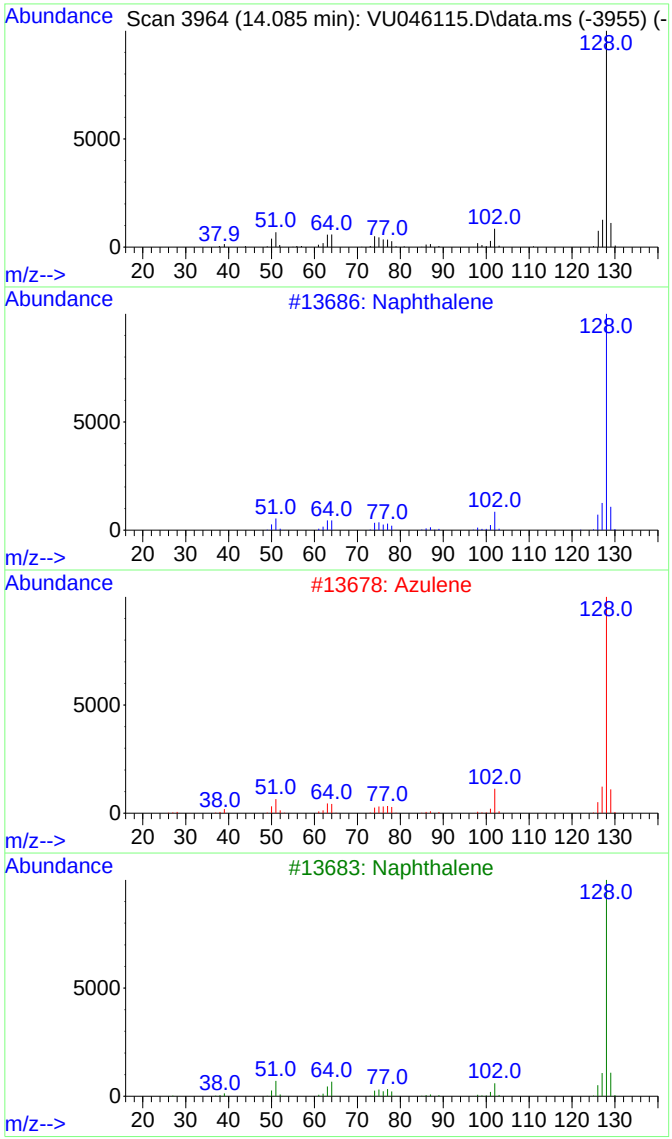
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

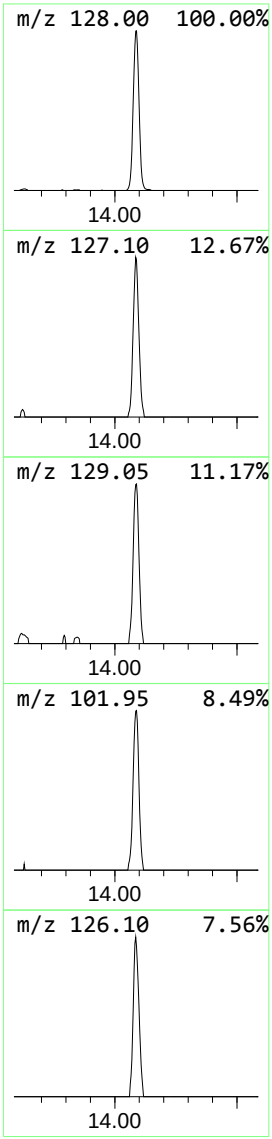
**********

Peak Number 15 Azulene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.086 | 8.44 ug/L | 105297 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene | 128 | C10H8 | 000091-20-3 | 95 |
| 2 | Azulene | 128 | C10H8 | 000275-51-4 | 94 |
| 3 | Naphthalene | 128 | C10H8 | 000091-20-3 | 94 |
| 4 | 1H-Indene, 1-methylene- | 128 | C10H8 | 002471-84-3 | 94 |
| 5 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
Data File : VU046115.D
Acq On : 06 Dec 2021 16:27
Operator : SY/MD
Sample : M4942-05DL 20X
Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BGKQ5DL

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 |
| Benzene, propyl- | 10.906 | 4.5 | ug/L | 55983 | 3 | 11.812 | 623483 | 50.0 |
| Benzene, 1-ethy... | 10.999 | 14.9 | ug/L | 186205 | 3 | 11.812 | 623483 | 50.0 |
| Benzene, 1-ethy... | 11.295 | 5.6 | ug/L | 69756 | 3 | 11.812 | 623483 | 50.0 |
| Benzene, 1-meth... | 11.745 | 2.6 | ug/L | 33039 | 3 | 11.812 | 623483 | 50.0 |
| Benzene, 1-ethe... | 12.098 | 6.9 | ug/L | 86494 | 3 | 11.812 | 623483 | 50.0 |
| Benzene, 1-meth... | 12.378 | 3.5 | ug/L | 43367 | 3 | 11.812 | 623483 | 50.0 |
| Benzene, 2-ethy... | 12.468 | 3.6 | ug/L | 44941 | 3 | 11.812 | 623483 | 50.0 |
| Benzene, 1-ethy... | 12.571 | 4.0 | ug/L | 49526 | 3 | 11.812 | 623483 | 50.0 |
| p-Cymene | 12.703 | 3.6 | ug/L | 44913 | 3 | 11.812 | 623483 | 50.0 |
| Benzene, 1,2,3,... | 12.973 | 2.7 | ug/L | 33995 | 3 | 11.812 | 623483 | 50.0 |
| 1,3-Cyclopentad... | 13.028 | 4.6 | ug/L | 57314 | 3 | 11.812 | 623483 | 50.0 |
| unknown-01 | 13.452 | 3.2 | ug/L | 39408 | 3 | 11.812 | 623483 | 50.0 |
| Azulene | 14.086 | 8.4 | ug/L | 105297 | 3 | 11.812 | 623483 | 50.0 |