LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

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_V\Method\SFAMVLM072224SMA.M
Title : VOC Analysis

Signal : TIC: VV036708.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.272 | 65 | 72 | 84 | rVB | 88877 | 97466 | 2.24% | 0.145% |
| 2 | 1.529 | 144 | 152 | 165 | rVB | 102275 | 124193 | 2.86% | 0.185% |
| 3 | 2.050 | 304 | 314 | 329 | rBV | 187938 | 275244 | 6.34% | 0.410% |
| 4 | 2.143 | 333 | 343 | 363 | rVV2 | 20992 | 80917 | 1.86% | 0.121% |
| 5 | 2.442 | 425 | 436 | 458 | rVV | 38807 | 68278 | 1.57% | 0.102% |
| 6 | 3.831 | 859 | 868 | 899 | rBV2 | 21986 | 101416 | 2.34% | 0.151% |
| 7 | 4.243 | 979 | 996 | 1033 | rBV | 215451 | 567730 | 13.07% | 0.845% |
| 8 | 4.950 | 1202 | 1216 | 1248 | rBV2 | 378385 | 1002519 | 23.09% | 1.493% |
| 9 | 5.140 | 1249 | 1275 | 1294 | rVV | 340945 | 875439 | 20.16% | 1.304% |
| 10 | 5.529 | 1385 | 1396 | 1432 | rBV | 544260 | 1164523 | 26.82% | 1.734% |
| 11 | 5.834 | 1478 | 1491 | 1521 | rVB8 | 61537 | 172081 | 3.96% | 0.256% |
| 12 | 5.985 | 1525 | 1538 | 1569 | rBV | 255091 | 617626 | 14.22% | 0.920% |
| 13 | 6.175 | 1588 | 1597 | 1606 | rBV2 | 44696 | 78220 | 1.80% | 0.116% |
| 14 | 6.574 | 1706 | 1721 | 1743 | rVB | 225637 | 466779 | 10.75% | 0.695% |
| 15 | 6.696 | 1743 | 1759 | 1771 | rBV | 255373 | 552396 | 12.72% | 0.823% |
| 16 | 6.760 | 1771 | 1779 | 1797 | rVB2 | 83826 | 163500 | 3.77% | 0.243% |
| 17 | 6.911 | 1819 | 1826 | 1849 | rVB | 126574 | 260498 | 6.00% | 0.388% |
| 18 | 7.188 | 1900 | 1912 | 1918 | rBV5 | 36926 | 73541 | 1.69% | 0.110% |
| 19 | 7.239 | 1919 | 1928 | 1946 | rVB | 407138 | 729370 | 16.80% | 1.086% |
| 20 | 7.554 | 2019 | 2026 | 2042 | rVV | 83071 | 175781 | 4.05% | 0.262% |
| 21 | 7.770 | 2086 | 2093 | 2117 | rVB2 | 34180 | 73440 | 1.69% | 0.109% |
| 22 | 8.030 | 2159 | 2174 | 2192 | rBV | 118701 | 272885 | 6.28% | 0.406% |
| 23 | 8.156 | 2203 | 2213 | 2225 | rVB9 | 24634 | 61193 | 1.41% | 0.091% |
| 24 | 8.780 | 2397 | 2407 | 2428 | rBV | 835458 | 1374734 | 31.66% | 2.047% |
| 25 | 8.950 | 2452 | 2460 | 2477 | rVB | 33649 | 59592 | 1.37% | 0.089% |
| 26 | 9.072 | 2489 | 2498 | 2512 | rVB | 158058 | 260740 | 6.00% | 0.388% |
| 27 | 10.149 | 2822 | 2833 | 2851 | rVB | 307333 | 499933 | 11.51% | 0.745% |
| 28 | 10.287 | 2867 | 2876 | 2895 | rBV | 76090 | 148987 | 3.43% | 0.222% |
| 29 | 10.381 | 2895 | 2905 | 2924 | rBV | 553550 | 1270422 | 29.26% | 1.892% |
| 30 | 10.474 | 2924 | 2934 | 2943 | rBV | 600581 | 870413 | 20.04% | 1.296% |
| 31 | 10.670 | 2984 | 2995 | 3017 | rBV | 263777 | 420513 | 9.68% | 0.626% |
| 32 | 10.847 | 3032 | 3050 | 3079 | rBV | 1919609 | 2803413 | 64.56% | 4.175% |
| 33 | 11.130 | 3131 | 3138 | 3145 | rBV | 48155 | 62887 | 1.45% | 0.094% |
| 34 | 11.181 | 3145 | 3154 | 3172 | rBV | 898132 | 1370449 | 31.56% | 2.041% |
| 35 | 11.268 | 3172 | 3181 | 3192 | rBV | 449931 | 663811 | 15.29% | 0.989% |
| 36 | 11.464 | 3231 | 3242 | 3250 | rBV2 | 291017 | 672049 | 15.48% | 1.001% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

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_V\Method\SFAMVLM072224SMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.509 | 3250 | 3256 | 3263 | rVV | 460702 | 724393 | 16.68% | 1.079% |
| 38 | 11.564 | 3263 | 3273 | 3293 | rVB4 | 1070958 | 2650740 | 61.04% | 3.948% |
| 39 | 11.680 | 3301 | 3309 | 3315 | rBV2 | 40859 | 66239 | 1.53% | 0.099% |
| 40 | 11.728 | 3316 | 3324 | 3327 | rBV | 148072 | 187368 | 4.31% | 0.279% |
| 41 | 11.754 | 3328 | 3332 | 3350 | rVB | 200475 | 300750 | 6.93% | 0.448% |
| 42 | 11.847 | 3351 | 3361 | 3365 | rBV | 390904 | 565902 | 13.03% | 0.843% |
| 43 | 11.876 | 3365 | 3370 | 3380 | rVB | 442229 | 615513 | 14.17% | 0.917% |
| 44 | 11.950 | 3382 | 3393 | 3400 | rBV | 731432 | 1099963 | 25.33% | 1.638% |
| 45 | 12.049 | 3414 | 3424 | 3432 | rBV | 445498 | 754755 | 17.38% | 1.124% |
| 46 | 12.194 | 3456 | 3469 | 3476 | rBV5 | 155441 | 290915 | 6.70% | 0.433% |
| 47 | 12.249 | 3477 | 3486 | 3495 | rVB3 | 211436 | 357812 | 8.24% | 0.533% |
| 48 | 12.310 | 3496 | 3505 | 3509 | rBV5 | 95910 | 156176 | 3.60% | 0.233% |
| 49 | 12.348 | 3509 | 3517 | 3525 | rVV | 553768 | 793000 | 18.26% | 1.181% |
| 50 | 12.400 | 3525 | 3533 | 3543 | rVB | 970928 | 1352423 | 31.14% | 2.014% |
| 51 | 12.487 | 3552 | 3560 | 3566 | rBV2 | 201407 | 293177 | 6.75% | 0.437% |
| 52 | 12.522 | 3566 | 3571 | 3575 | rVV2 | 114650 | 136340 | 3.14% | 0.203% |
| 53 | 12.551 | 3576 | 3580 | 3586 | rVB | 97511 | 118931 | 2.74% | 0.177% |
| 54 | 12.619 | 3596 | 3601 | 3606 | rBV | 58062 | 70248 | 1.62% | 0.105% |
| 55 | 12.660 | 3606 | 3614 | 3628 | rVB2 | 758807 | 1151696 | 26.52% | 1.715% |
| 56 | 12.731 | 3628 | 3636 | 3643 | rBV2 | 193073 | 267386 | 6.16% | 0.398% |
| 57 | 12.818 | 3644 | 3663 | 3679 | rBV3 | 1765092 | 3627159 | 83.53% | 5.402% |
| 58 | 12.937 | 3692 | 3700 | 3706 | rBV | 233276 | 332335 | 7.65% | 0.495% |
| 59 | 12.979 | 3706 | 3713 | 3723 | rVV3 | 393209 | 633145 | 14.58% | 0.943% |
| 60 | 13.101 | 3742 | 3751 | 3758 | rBV | 271352 | 408659 | 9.41% | 0.609% |
| 61 | 13.149 | 3758 | 3766 | 3774 | rVB | 404962 | 581058 | 13.38% | 0.865% |
| 62 | 13.204 | 3774 | 3783 | 3789 | rBV2 | 794965 | 1201561 | 27.67% | 1.789% |
| 63 | 13.300 | 3808 | 3813 | 3819 | rVB | 290137 | 339508 | 7.82% | 0.506% |
| 64 | 13.336 | 3820 | 3824 | 3837 | rVB | 267632 | 389967 | 8.98% | 0.581% |
| 65 | 13.432 | 3838 | 3854 | 3863 | rBV3 | 605928 | 1279783 | 29.47% | 1.906% |
| 66 | 13.480 | 3863 | 3869 | 3880 | rVB2 | 224777 | 358755 | 8.26% | 0.534% |
| 67 | 13.545 | 3881 | 3889 | 3896 | rBV7 | 245180 | 471702 | 10.86% | 0.702% |
| 68 | 13.647 | 3912 | 3921 | 3931 | rBV5 | 375666 | 773578 | 17.81% | 1.152% |
| 69 | 13.702 | 3931 | 3938 | 3947 | rVV5 | 285988 | 463256 | 10.67% | 0.690% |
| 70 | 13.757 | 3949 | 3955 | 3962 | rVB3 | 138632 | 189234 | 4.36% | 0.282% |
| 71 | 13.840 | 3973 | 3981 | 3996 | rVB4 | 989546 | 1613437 | 37.15% | 2.403% |
| 72 | 13.950 | 4009 | 4015 | 4018 | rBV6 | 76638 | 101381 | 2.33% | 0.151% |
| 73 | 14.033 | 4029 | 4041 | 4063 | rVB4 | 954526 | 2249200 | 51.79% | 3.350% |
| 74 | 14.127 | 4065 | 4070 | 4075 | rVV4 | 71675 | 90065 | 2.07% | 0.134% |
| 75 | 14.168 | 4076 | 4083 | 4092 | rVV2 | 332552 | 524581 | 12.08% | 0.781% |
| 76 | 14.233 | 4094 | 4103 | 4114 | rVB5 | 530123 | 1082529 | 24.93% | 1.612% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

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_V\Method\SFAMVLM072224SMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 14.297 | 4115 | 4123 | 4134 | rBV3 | 257382 | 406295 | 9.36% | 0.605% |
| 78 | 14.368 | 4136 | 4145 | 4161 | rBV5 | 433225 | 1033699 | 23.80% | 1.539% |
| 79 | 14.506 | 4182 | 4188 | 4192 | rBV4 | 100470 | 142055 | 3.27% | 0.212% |
| 80 | 14.564 | 4194 | 4206 | 4216 | rBV | 2594847 | 4342533 | 100.00% | 6.467% |
| 81 | 14.699 | 4240 | 4248 | 4254 | rBV3 | 249880 | 384470 | 8.85% | 0.573% |
| 82 | 14.747 | 4254 | 4263 | 4271 | rBV | 1516310 | 2396511 | 55.19% | 3.569% |
| 83 | 15.274 | 4420 | 4427 | 4444 | rVB3 | 338320 | 743992 | 17.13% | 1.108% |
| 84 | 15.355 | 4445 | 4452 | 4461 | rBV3 | 247192 | 351016 | 8.08% | 0.523% |
| 85 | 15.487 | 4484 | 4493 | 4500 | rBV | 601663 | 1005089 | 23.15% | 1.497% |
| 86 | 15.599 | 4516 | 4528 | 4543 | rBV | 1434750 | 2578211 | 59.37% | 3.840% |
| 87 | 15.673 | 4545 | 4551 | 4559 | rVB3 | 232168 | 323656 | 7.45% | 0.482% |
| 88 | 15.744 | 4564 | 4573 | 4579 | rVV | 1593221 | 2458943 | 56.62% | 3.662% |
| 89 | 15.779 | 4580 | 4584 | 4600 | rVB | 929895 | 1366414 | 31.47% | 2.035% |
| 90 | 15.943 | 4628 | 4635 | 4636 | rBV | 147957 | 150927 | 3.48% | 0.225% |
| 91 | 15.969 | 4638 | 4643 | 4667 | rVB | 367020 | 710865 | 16.37% | 1.059% |
| 92 | 16.114 | 4682 | 4688 | 4700 | rVB | 152013 | 227164 | 5.23% | 0.338% |
| 93 | 16.223 | 4715 | 4722 | 4734 | rVB2 | 64353 | 104305 | 2.40% | 0.155% |
| 94 | 16.451 | 4786 | 4793 | 4805 | rBV | 179212 | 288117 | 6.63% | 0.429% |
| 95 | 16.509 | 4806 | 4811 | 4819 | rVV2 | 89700 | 115226 | 2.65% | 0.172% |
| 96 | 16.554 | 4820 | 4825 | 4834 | rVB2 | 53030 | 73974 | 1.70% | 0.110% |
| 97 | 16.654 | 4851 | 4856 | 4864 | rVB | 131305 | 177522 | 4.09% | 0.264% |
| 98 | 16.702 | 4865 | 4871 | 4895 | rVB | 148085 | 296633 | 6.83% | 0.442% |
| 99 | 16.850 | 4910 | 4917 | 4926 | rVB | 97255 | 142311 | 3.28% | 0.212% |
| 100 | 16.911 | 4929 | 4936 | 4955 | rVB2 | 66501 | 131214 | 3.02% | 0.195% |

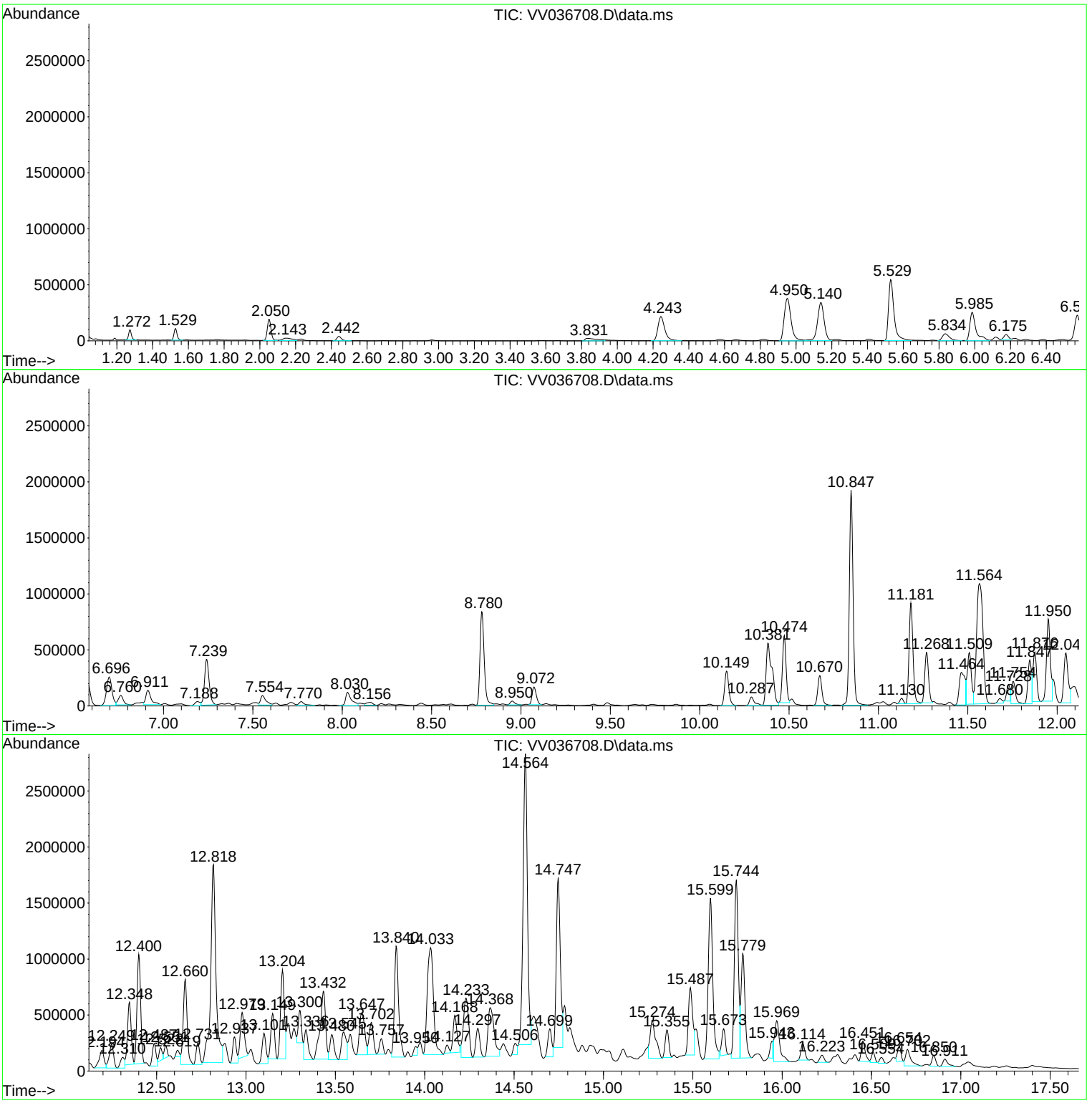
Sum of corrected areas: 67148740

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

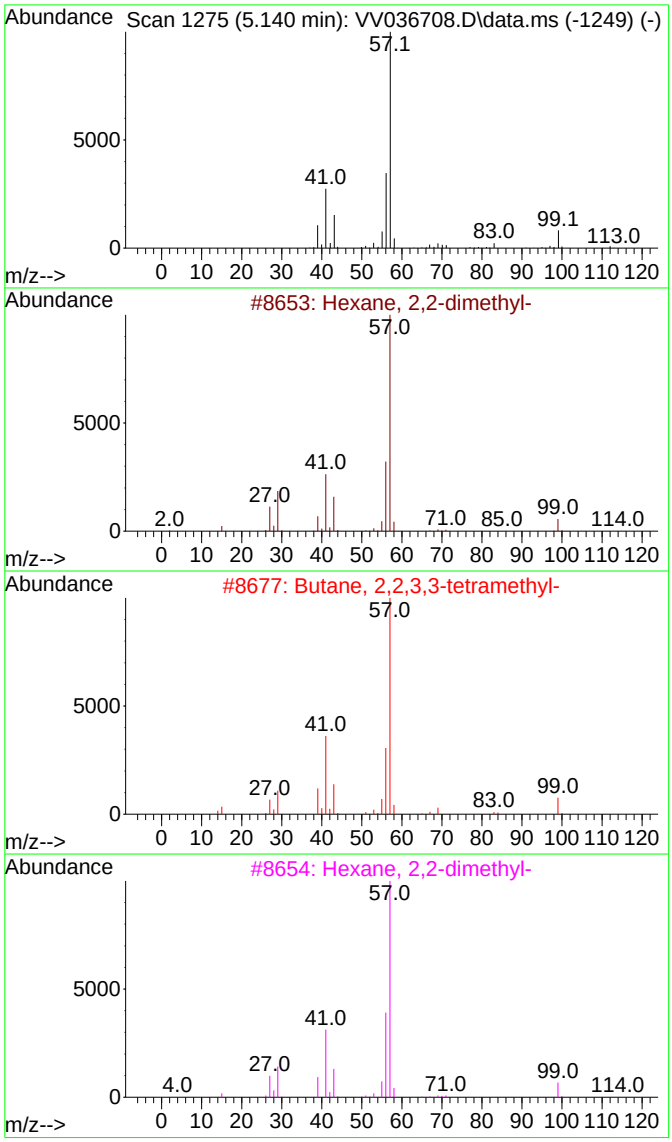
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

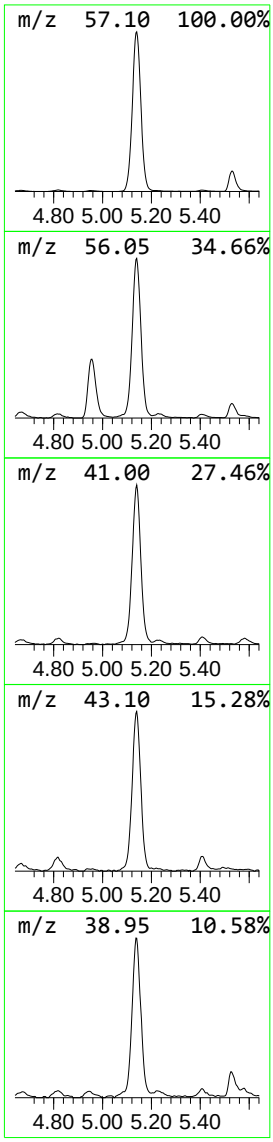
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.140 | 18.79 ug/L | 875439 | 1,4-Difluorobenzene | 5.529 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 72 |
| 2 | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18 | 000594-82-1 | 72 |
| 3 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 72 |
| 4 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 72 |
| 5 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

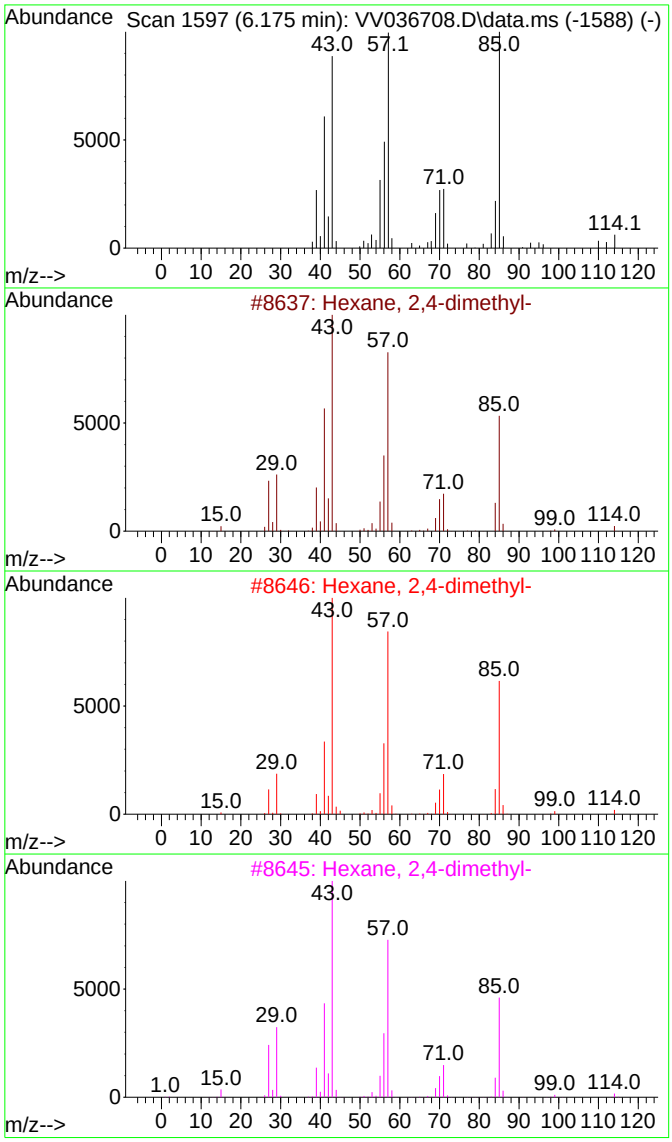
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

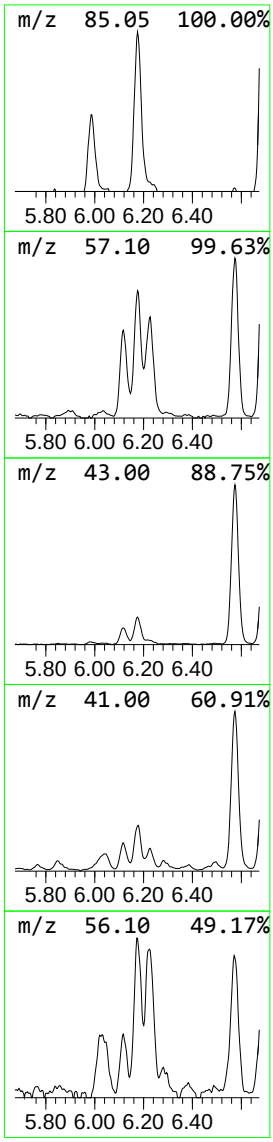
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 69

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.175 | 1.68 ug/L | 78220 | 1,4-Difluorobenzene | 5.529 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 95 |
| 2 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 87 |
| 3 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 78 |
| 4 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 72 |
| 5 | 2-Butene, 1,4-diethoxy- | 144 | C8H16O2 | 007250-85-3 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

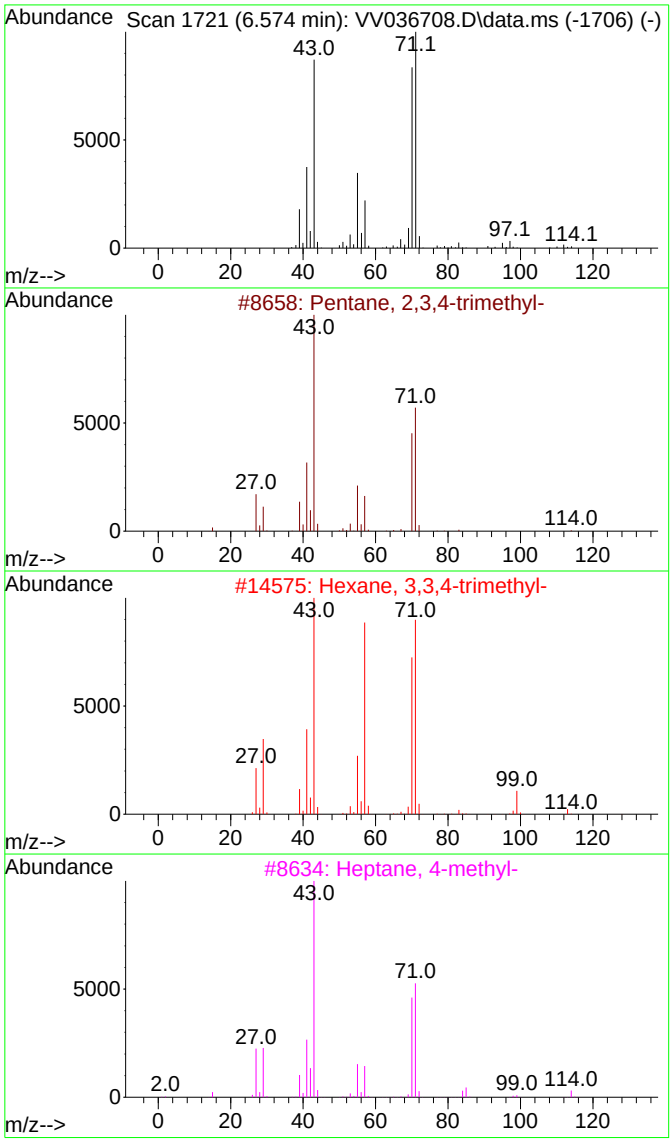
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

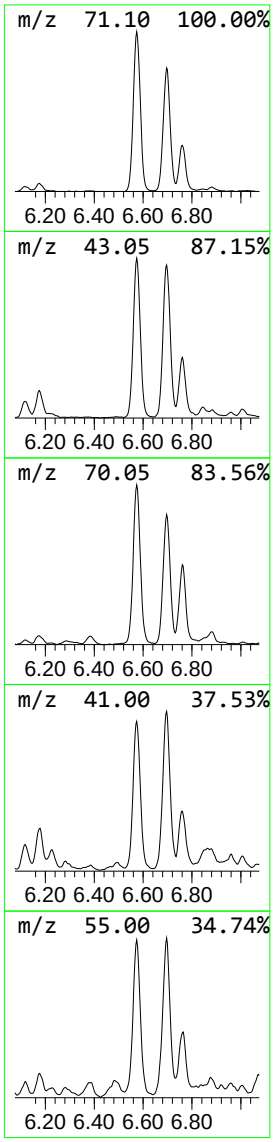
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.574 | 10.02 ug/L | 466779 | 1,4-Difluorobenzene | 5.529 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 87 |
| 2 | Hexane, 3,3,4-trimethyl- | 128 | C9H20 | 016747-31-2 | 78 |
| 3 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 78 |
| 4 | Decane, 3,3,4-trimethyl- | 184 | C13H28 | 049622-18-6 | 74 |
| 5 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

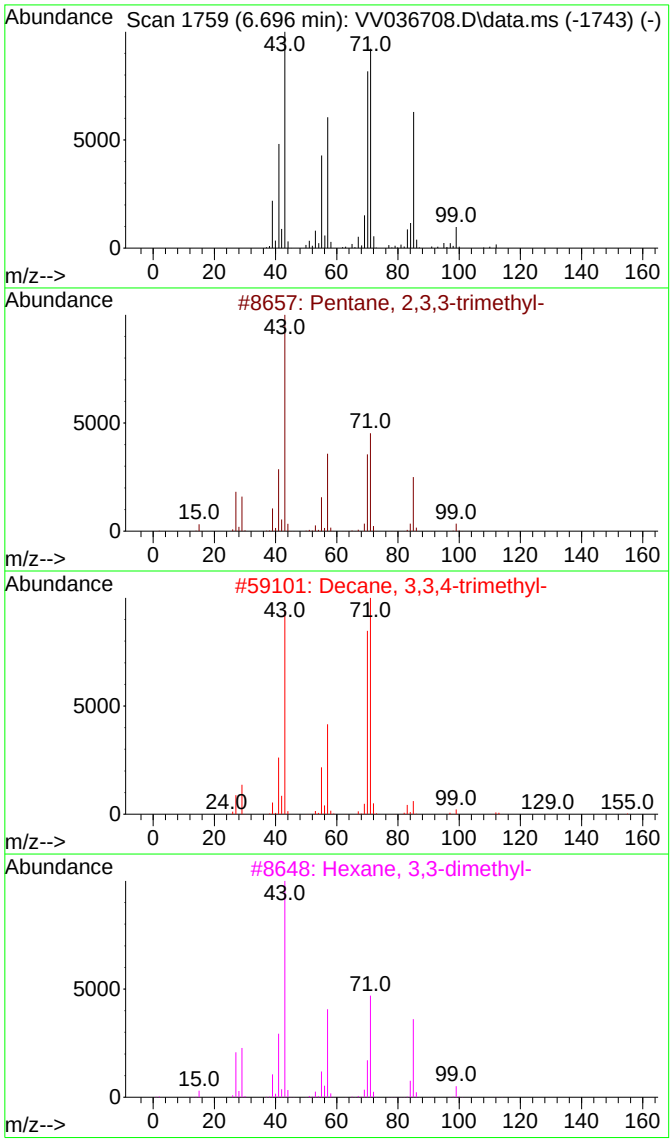
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

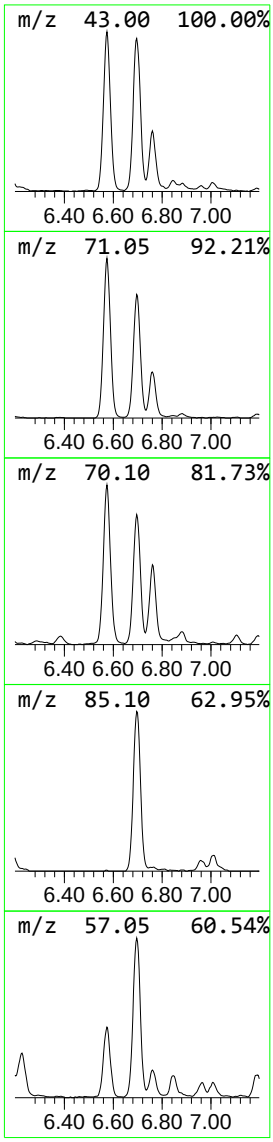
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.696 | 11.86 ug/L | 552396 | 1,4-Difluorobenzene | 5.529 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,3-trimethyl- | 114 | C8H18 | 000560-21-4 | 83 |
| 2 | Decane, 3,3,4-trimethyl- | 184 | C13H28 | 049622-18-6 | 59 |
| 3 | Hexane, 3,3-dimethyl- | 114 | C8H18 | 000563-16-6 | 53 |
| 4 | Oxalic acid, isohexyl neopentyl ... | 244 | C13H24O4 | 1000309-73-0 | 50 |
| 5 | Butanoic acid, 2-methyl-, 2-meth... | 172 | C10H20O2 | 002445-78-5 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

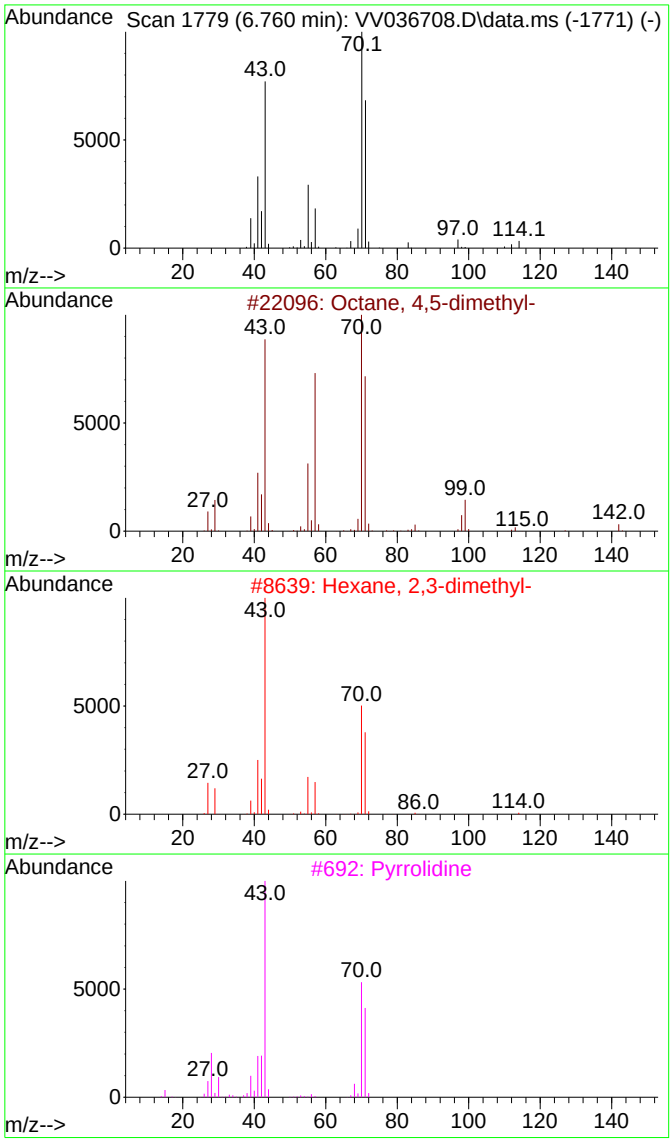
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

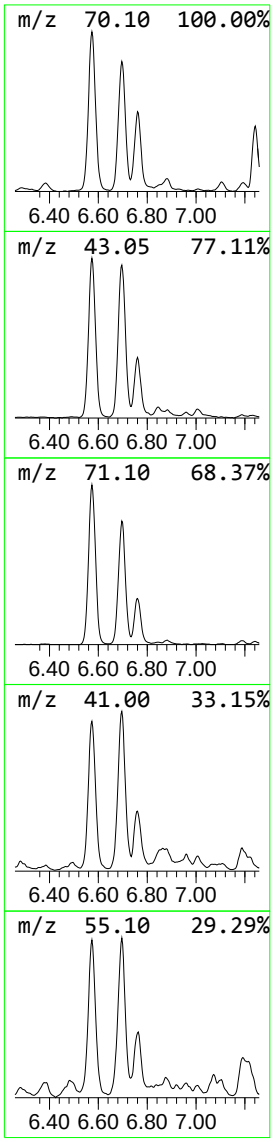
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 54

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.760 | 3.51 ug/L | 163500 | 1,4-Difluorobenzene | 5.529 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 4,5-dimethyl- | 142 | C10H22 | 015869-96-2 | 78 |
| 2 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 78 |
| 3 | Pyrrolidine | 71 | C4H9N | 000123-75-1 | 72 |
| 4 | Pentane, 3-ethyl-2-methyl- | 114 | C8H18 | 000609-26-7 | 43 |
| 5 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

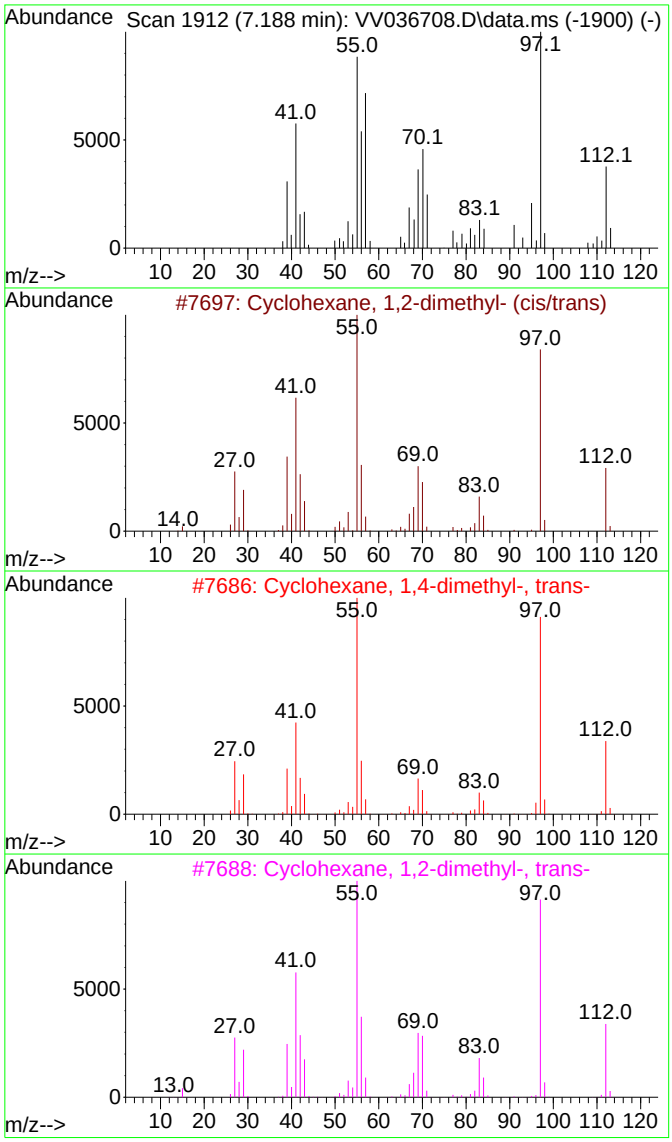
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

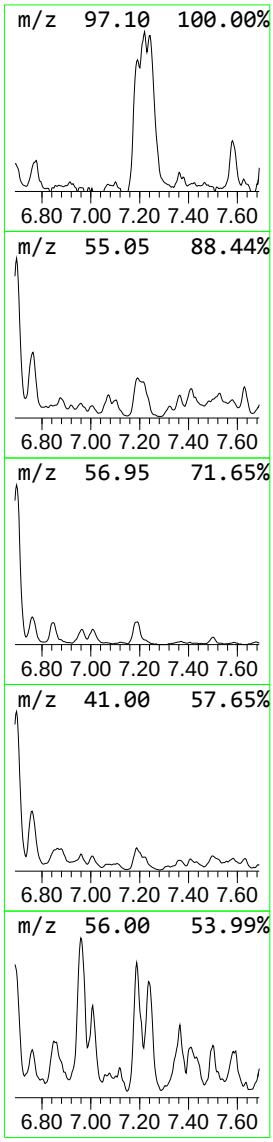
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 (DEL) Alkane: Cyclic7.188 Concentration Rank 73

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.188 | 1.34 ug/L | 73541 | Chlorobenzene-d5 | 8.783 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 60 |
| 2 | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16 | 002207-04-7 | 49 |
| 3 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 49 |
| 4 | 1H-Pyrazol-4-amine, 3-methyl- | 97 | C4H7N3 | 1010338-28-2 | 49 |
| 5 | Cyclohexane, 1,4-dimethyl- | 112 | C8H16 | 000589-90-2 | 46 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

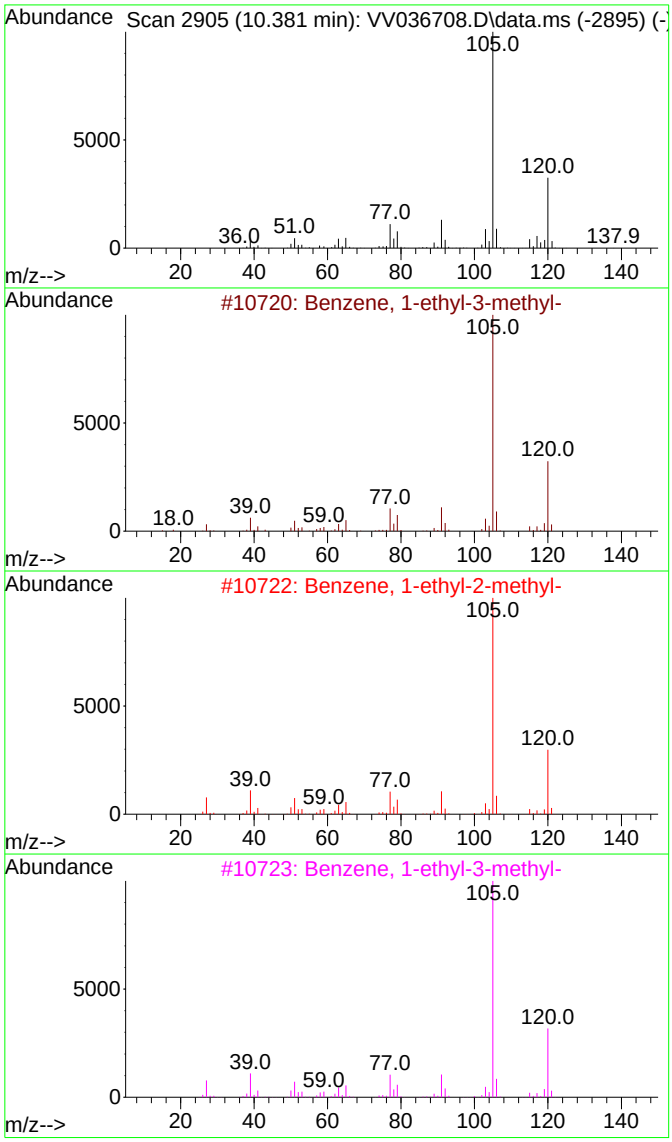
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

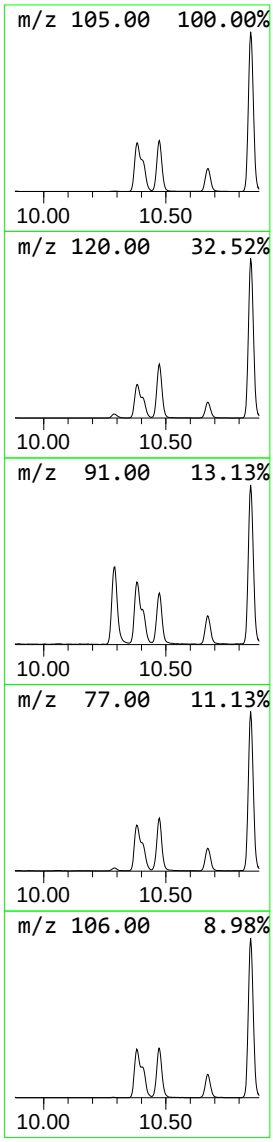
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 1-ethyl-3-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.381 | 23.18 ug/L | 1270420 | 1,4-Dichlorobenzene-d4 | 11.181 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

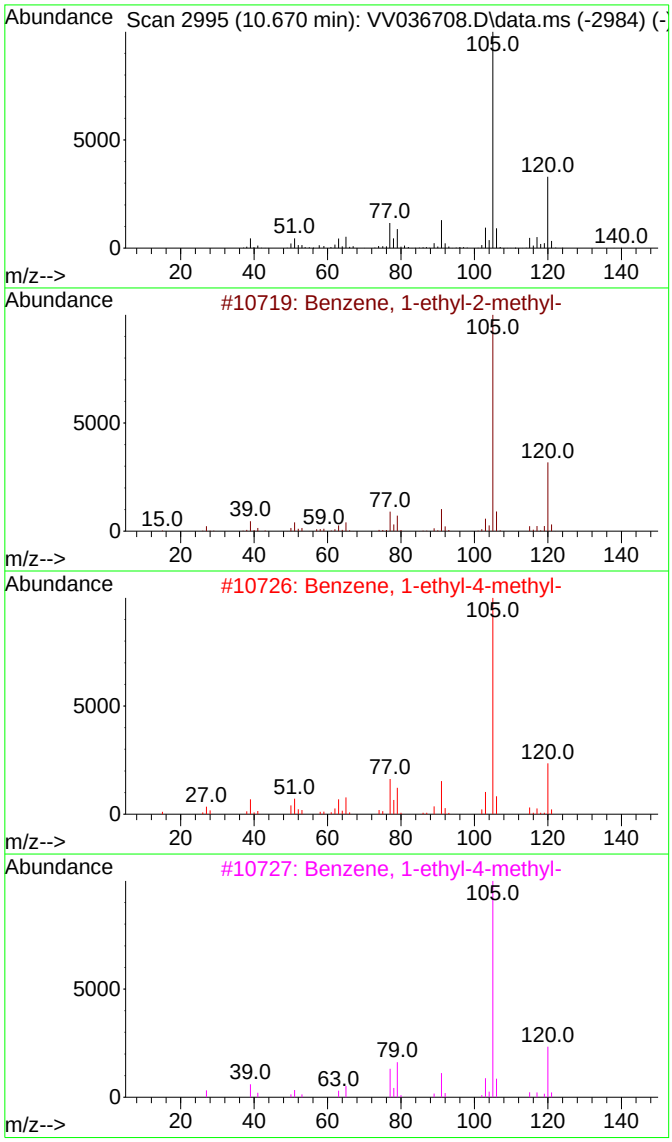
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

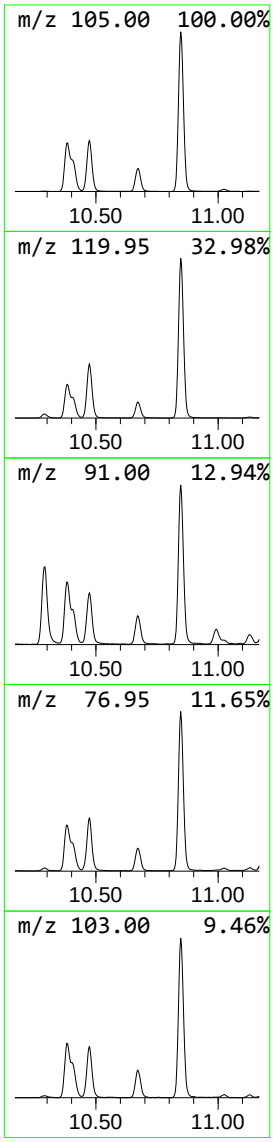
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.670 | 7.67 ug/L | 420513 | 1,4-Dichlorobenzene-d4 | 11.181 |

| 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-4-methyl- | 120 | C9H12 | 000622-96-8 | 93 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

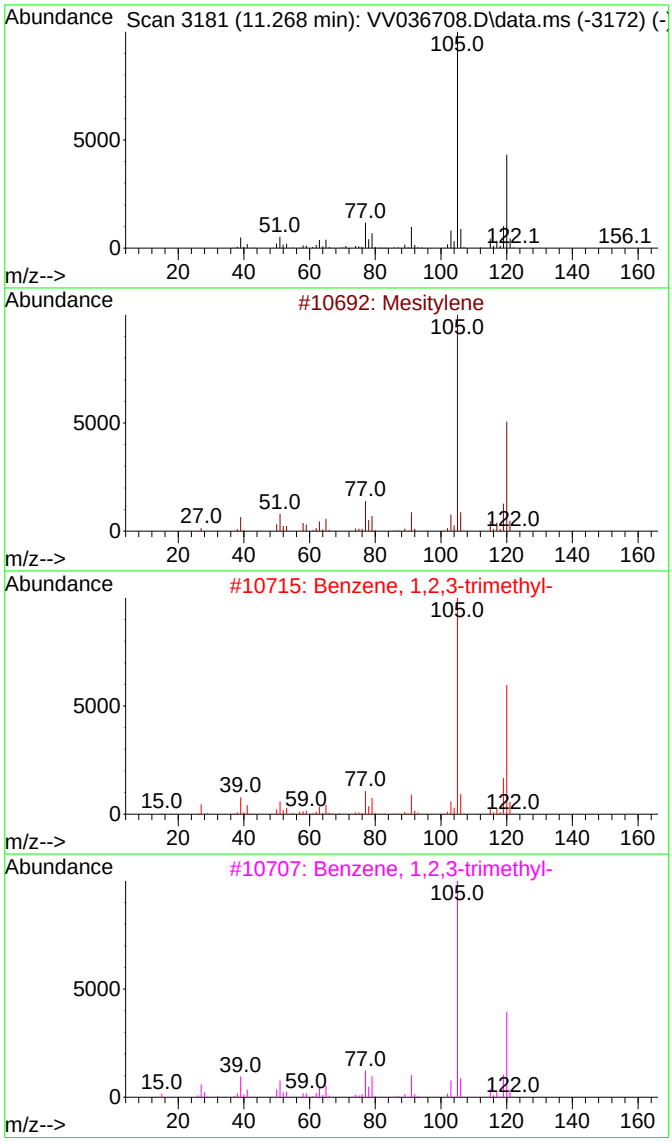
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

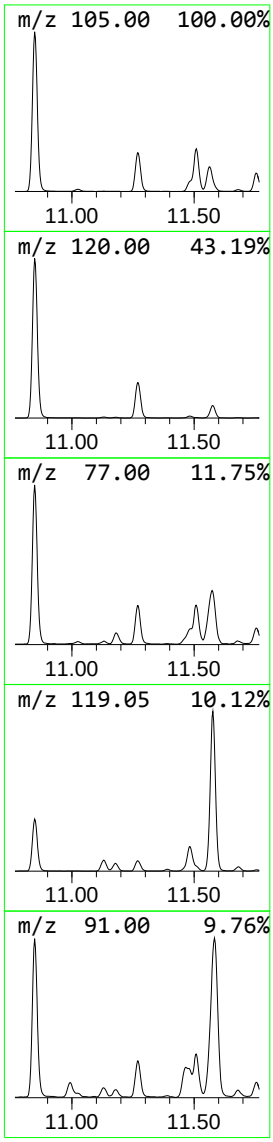
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.268 | 12.11 ug/L | 663811 | 1,4-Dichlorobenzene-d4 | 11.181 |

| 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 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 4 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 93 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

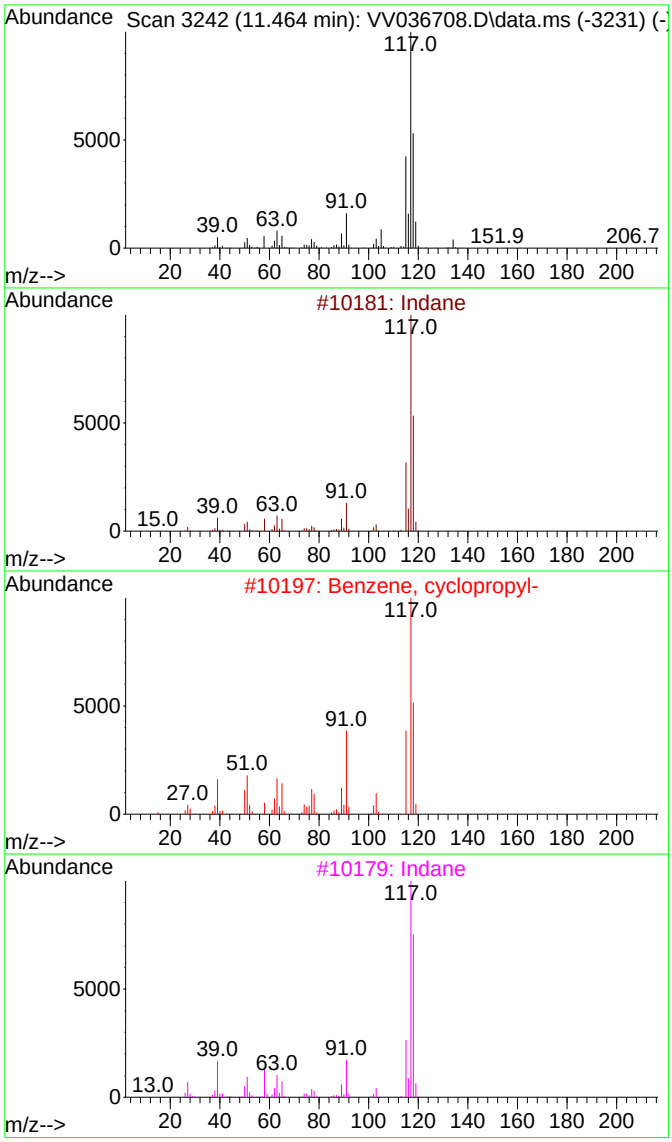
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

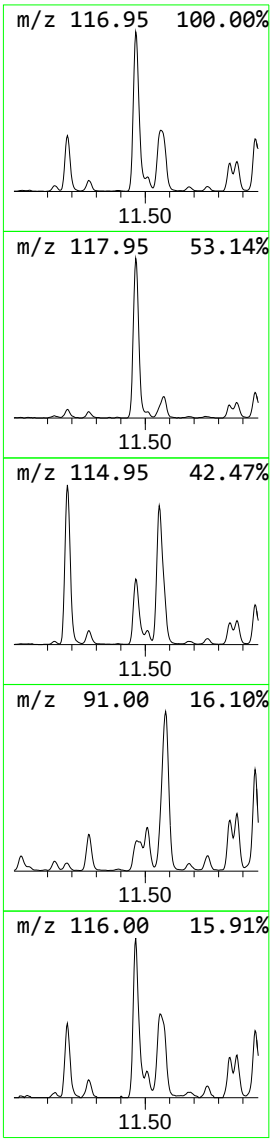
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Indane Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.464 | 12.26 ug/L | 672049 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 76 |
| 2 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 70 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 70 |
| 4 | Indane | 118 | C9H10 | 000496-11-7 | 62 |
| 5 | trans-Cinnamyl bromide | 196 | C9H9Br | 026146-77-0 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

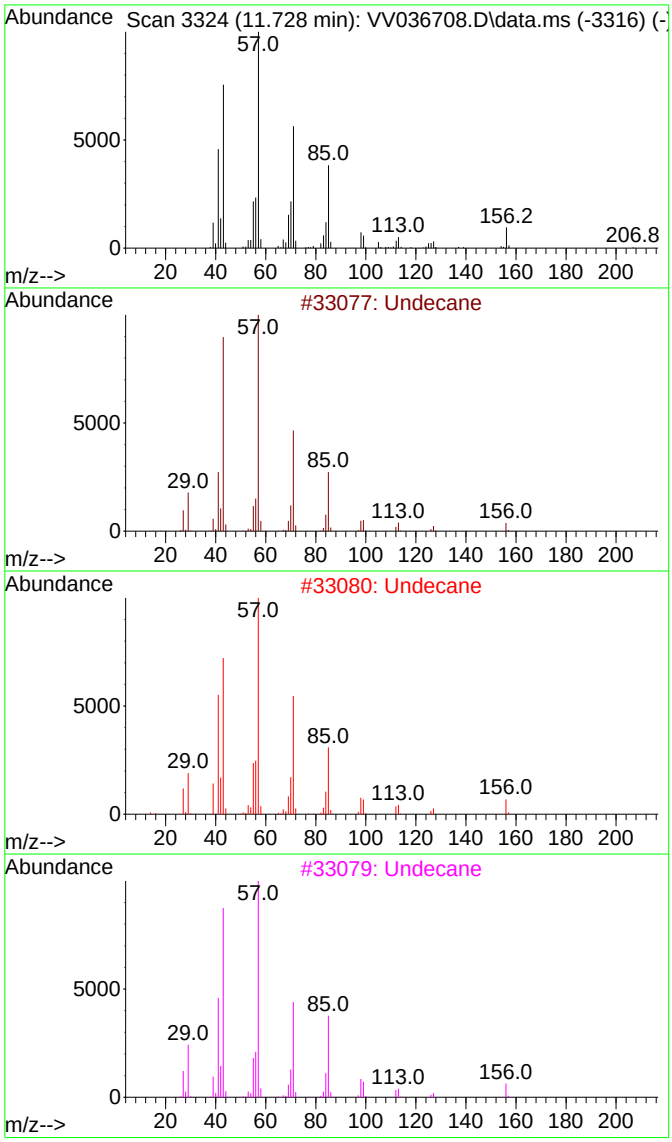
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

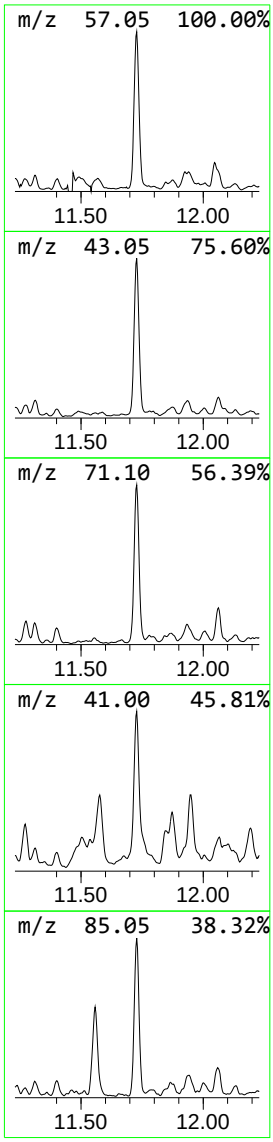
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 56

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.728 | 3.42 ug/L | 187368 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane | 156 | C11H24 | 001120-21-4 | 81 |
| 2 | Undecane | 156 | C11H24 | 001120-21-4 | 81 |
| 3 | Undecane | 156 | C11H24 | 001120-21-4 | 81 |
| 4 | Undecane | 156 | C11H24 | 001120-21-4 | 81 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

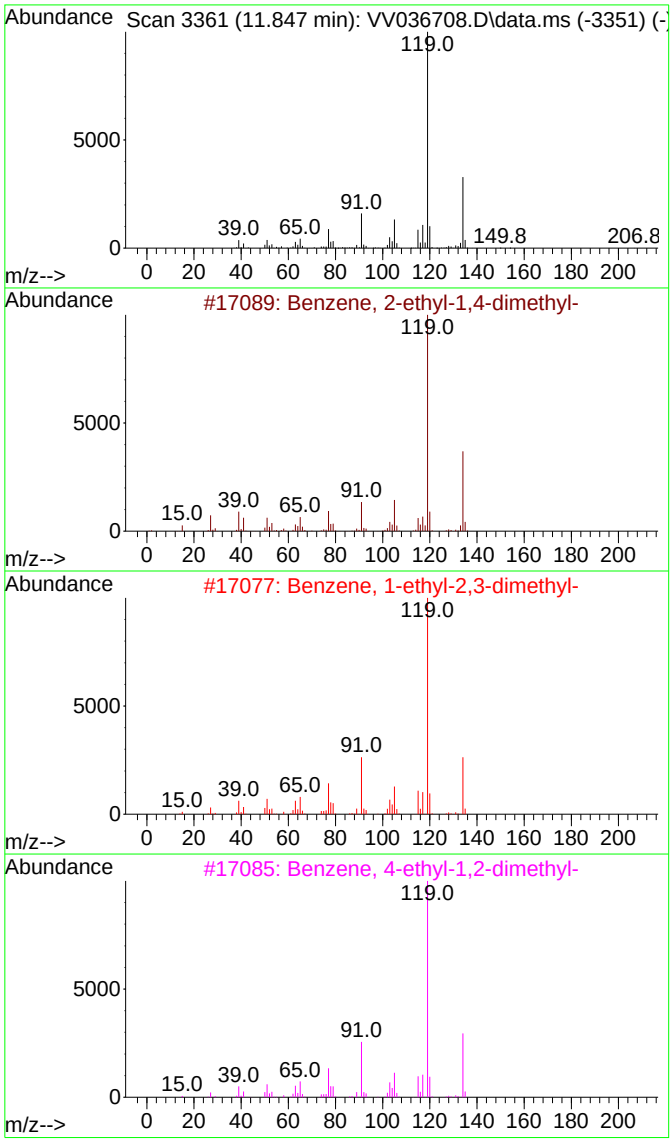
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

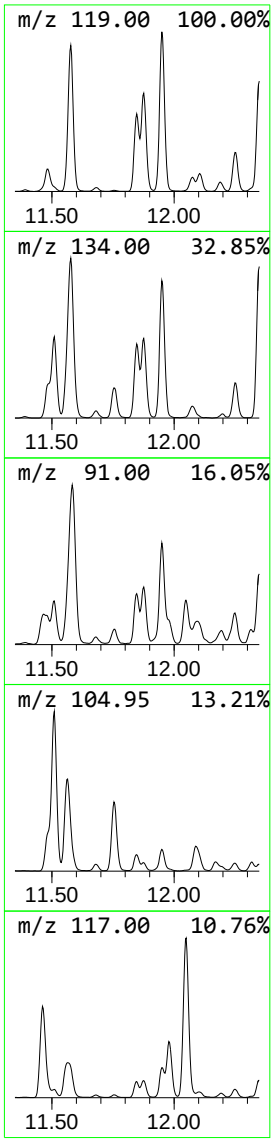
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.847 | 10.32 ug/L | 565902 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 97 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 96 |
| 3 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 96 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 96 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

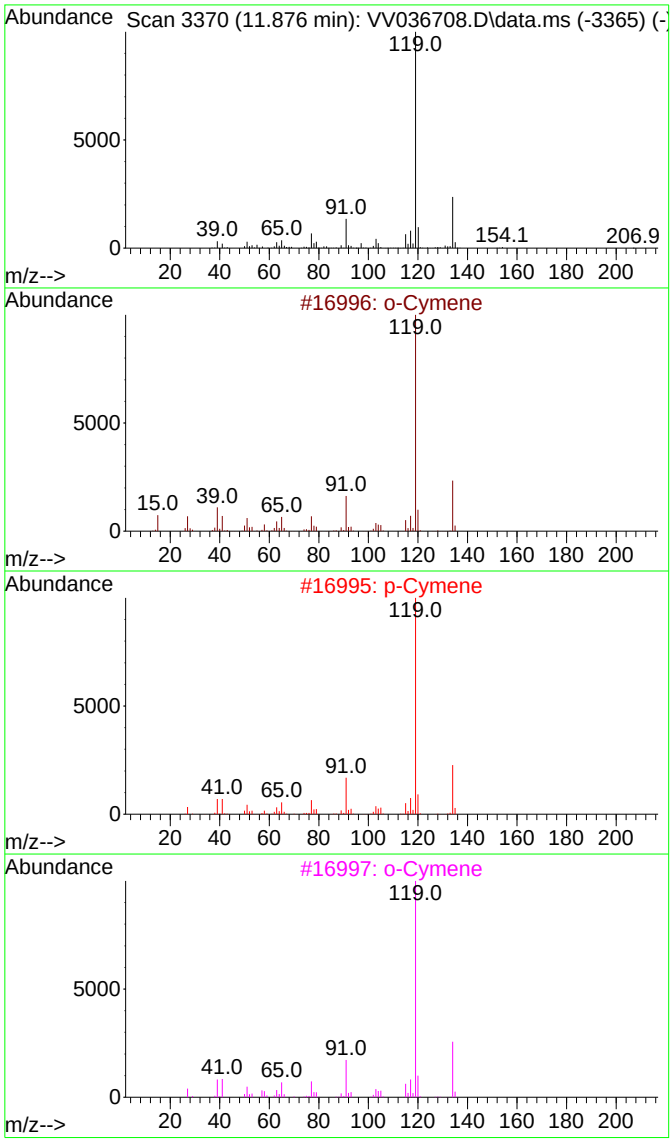
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

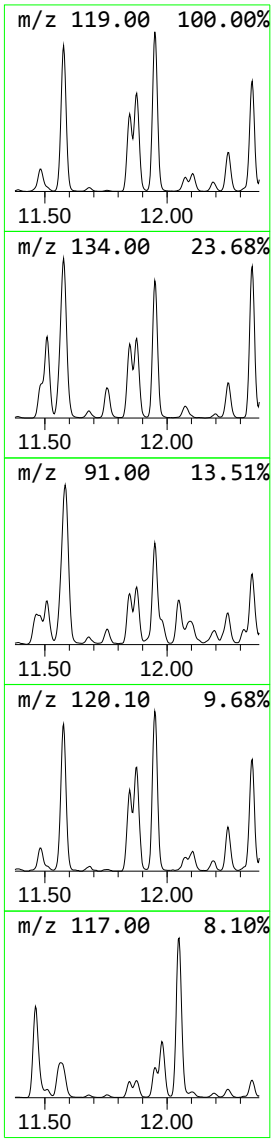
**********

Peak Number 18 o-Cymene Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.876 | 11.23 ug/L | 615513 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 97 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 94 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 94 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

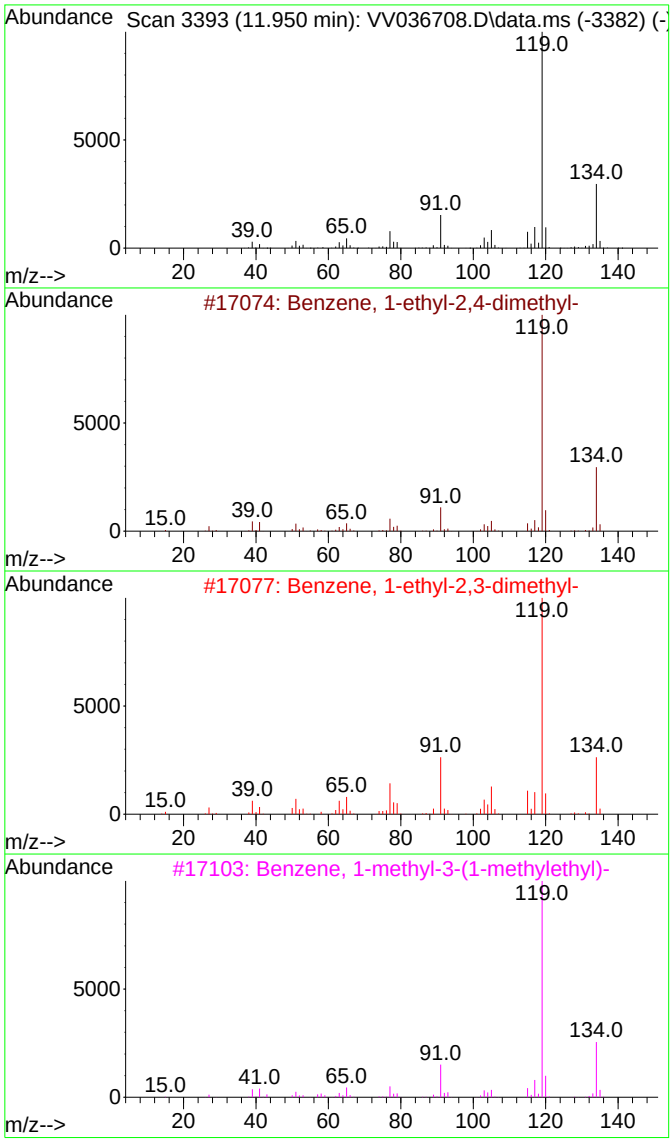
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

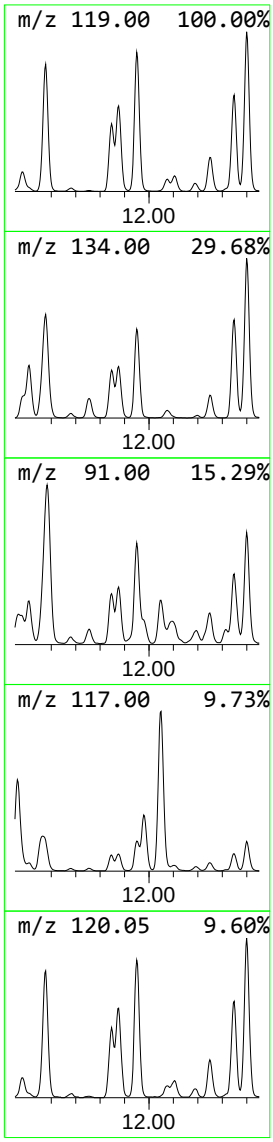
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.950 | 20.07 ug/L | 1099960 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 97 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 96 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

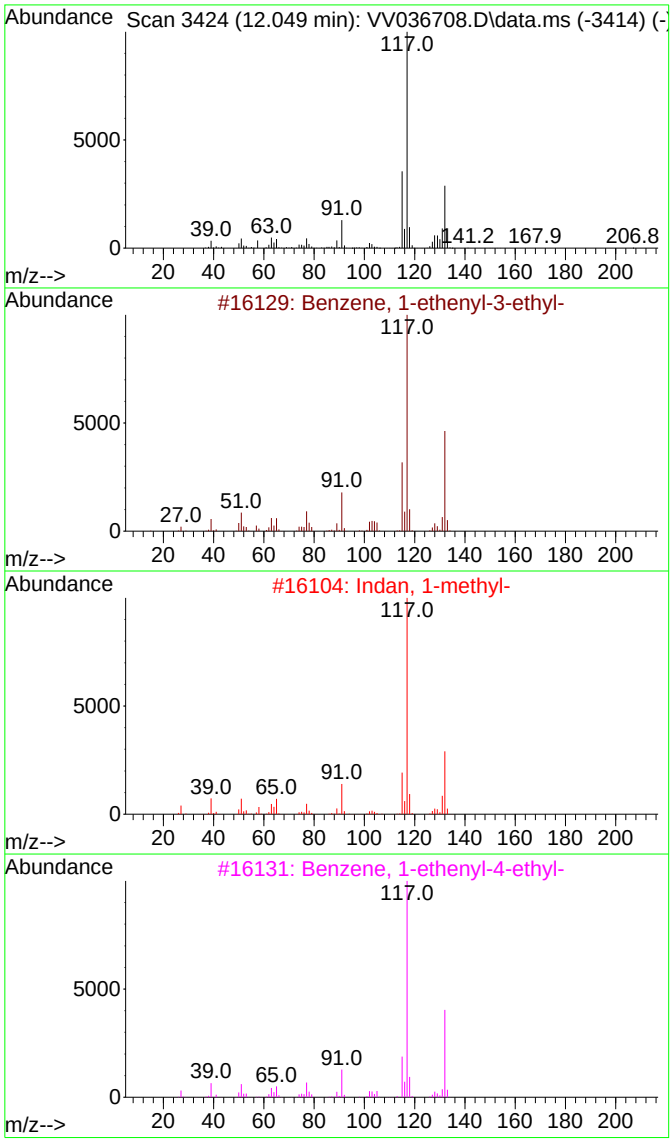
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

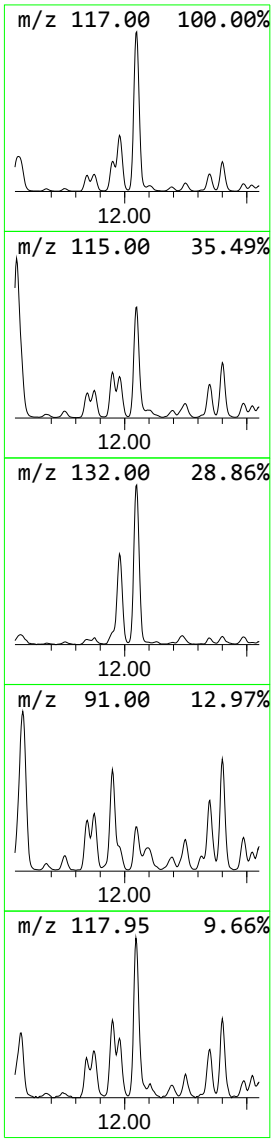
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.050 | 13.77 ug/L | 754755 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 3 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 81 |
| 4 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 80 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 74 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

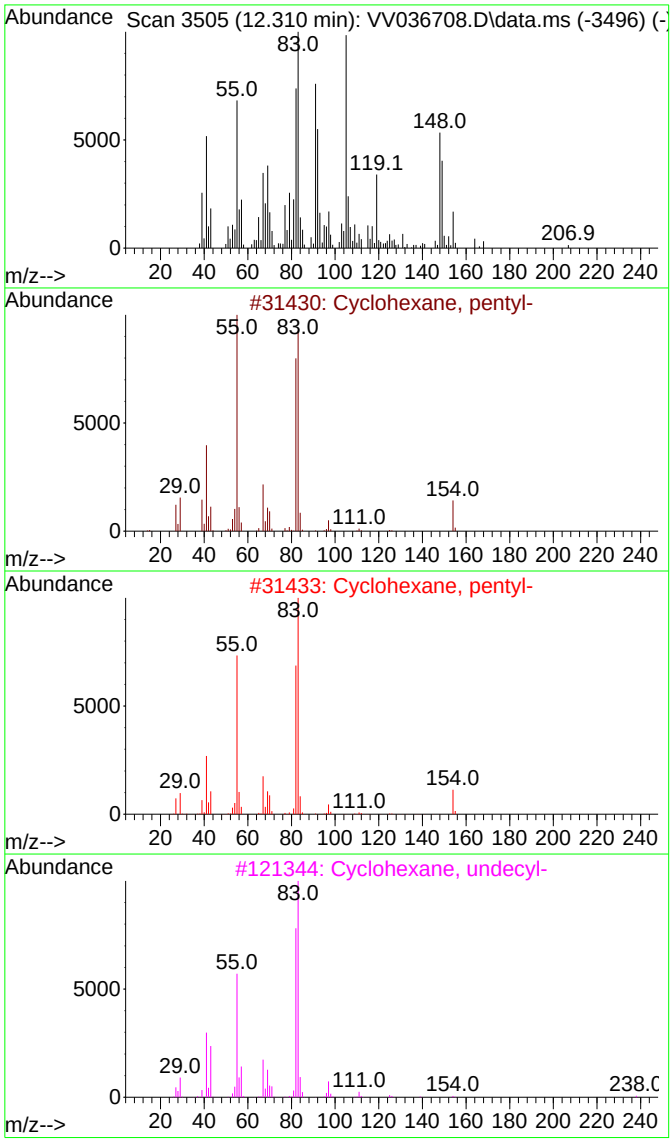
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

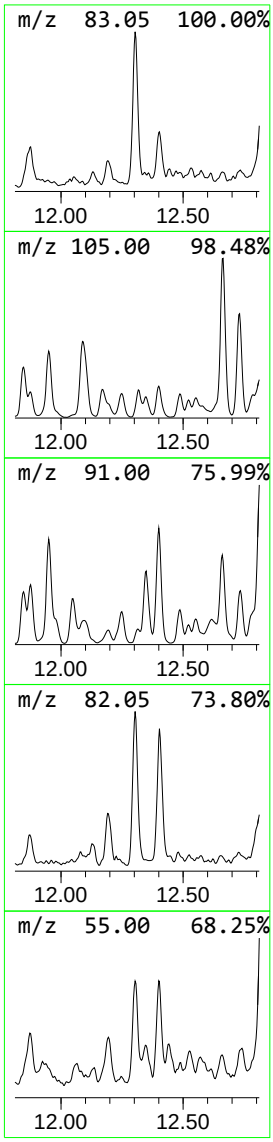
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 (DEL) Alkane: Cyclic12.310 Concentration Rank 58

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.310 | 2.85 ug/L | 156176 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 38 |
| 2 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 38 |
| 3 | Cyclohexane, undecyl- | 238 | C17H34 | 054105-66-7 | 35 |
| 4 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 35 |
| 5 | Heptylcyclohexane | 182 | C13H26 | 005617-41-4 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

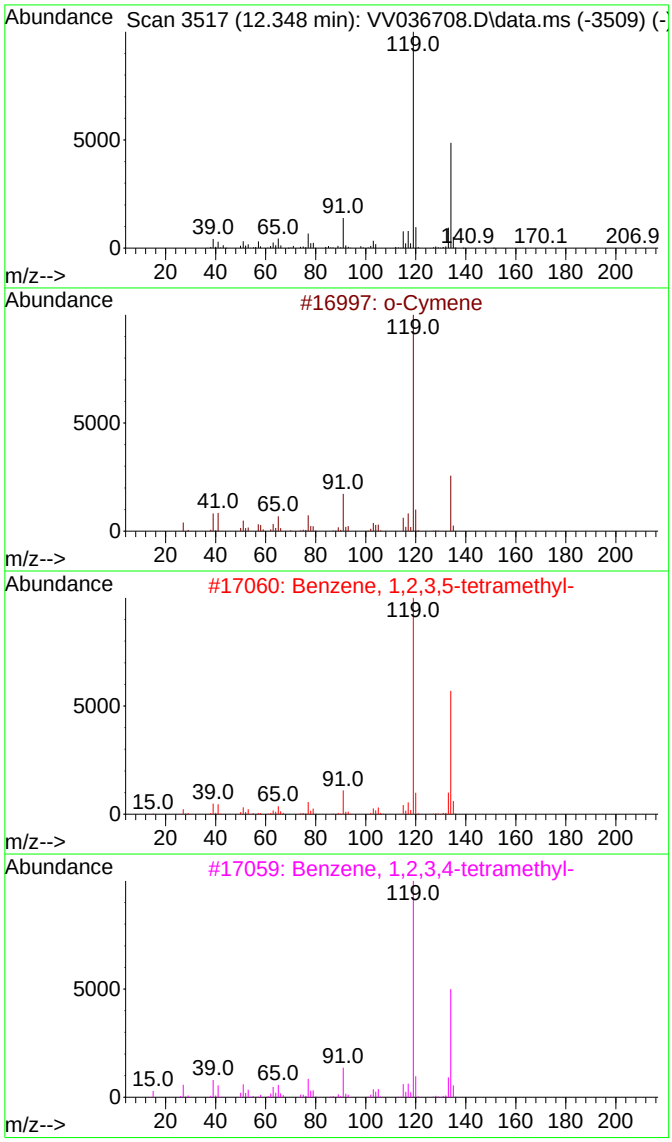
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

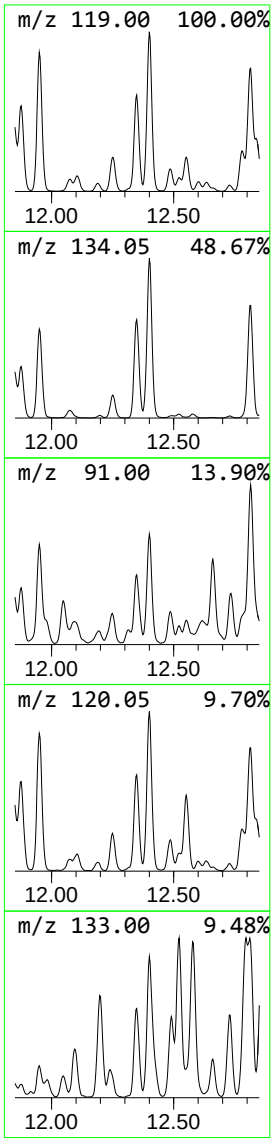
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.349 | 14.47 ug/L | 793000 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 96 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

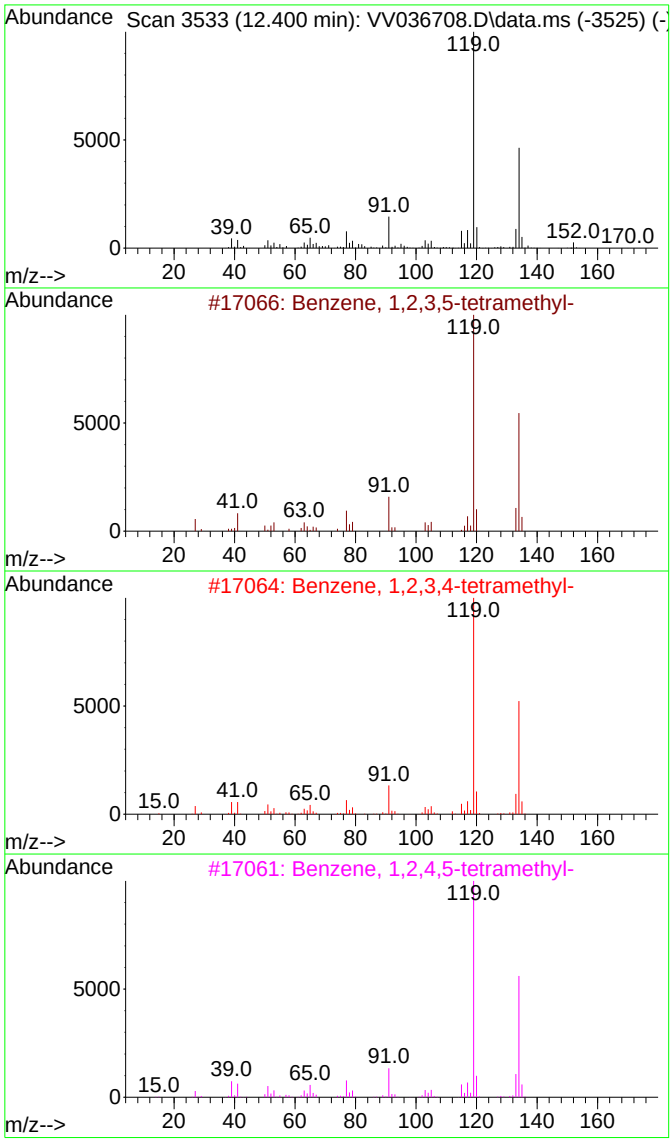
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

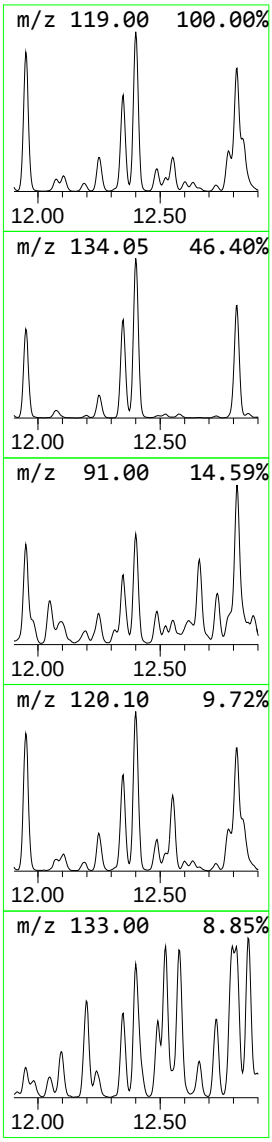
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 25 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.400 | 24.67 ug/L | 1352420 | 1,4-Dichlorobenzene-d4 | 11.181 |

| 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 | 95 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

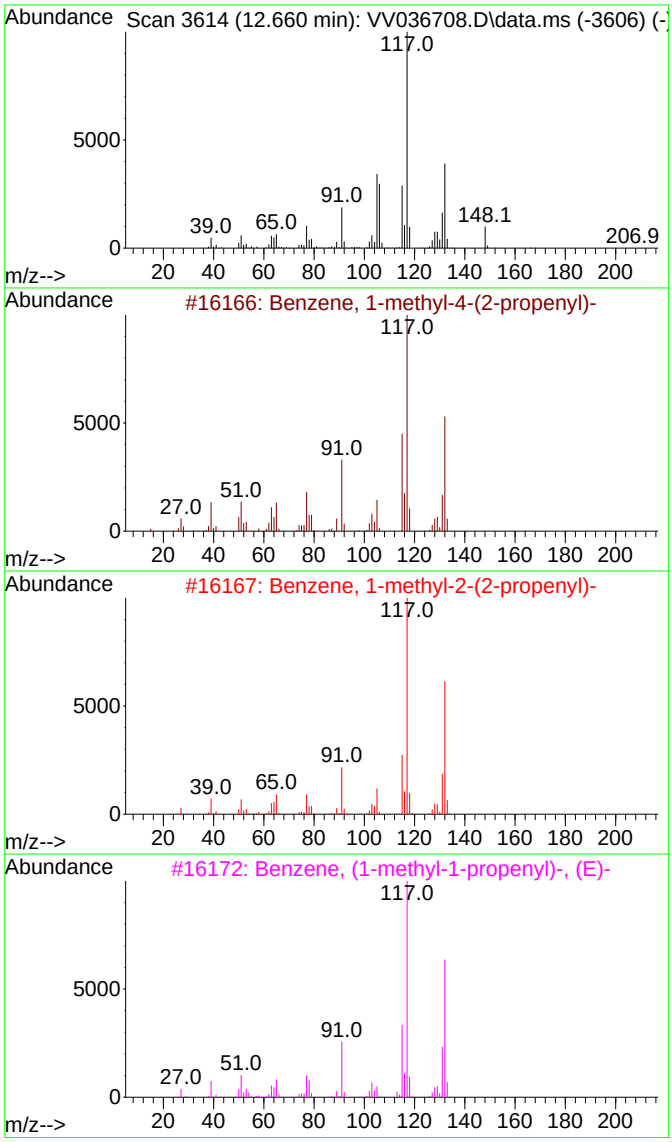
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

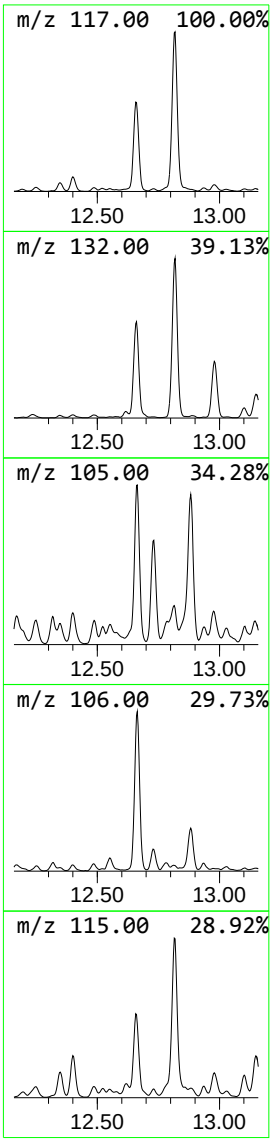
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 30 Benzene, 1-methyl-4-(2-prop... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.660 | 21.01 ug/L | 1151700 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 90 |
| 2 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 81 |
| 3 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 76 |
| 4 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 76 |
| 5 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 70 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

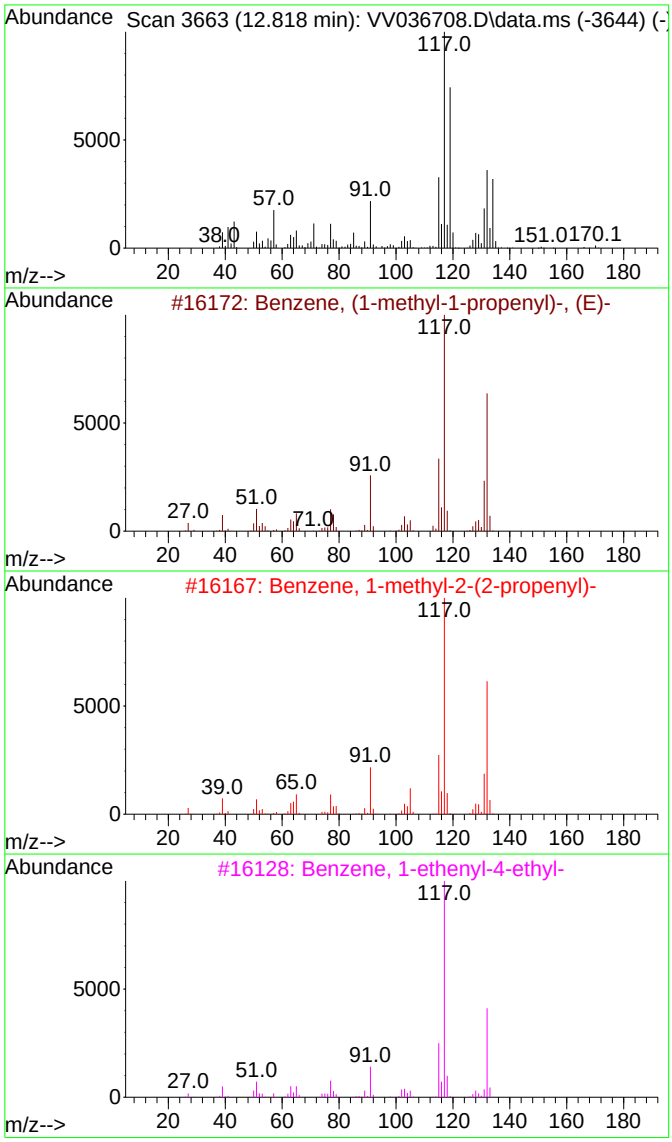
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

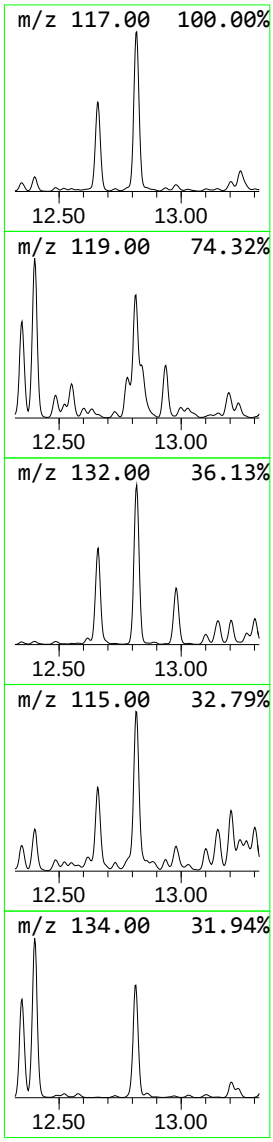
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 32 Benzene, (1-methyl-1-propen... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.818 | 66.17 ug/L | 3627160 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 60 |
| 2 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 60 |
| 3 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 55 |
| 4 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 55 |
| 5 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 55 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

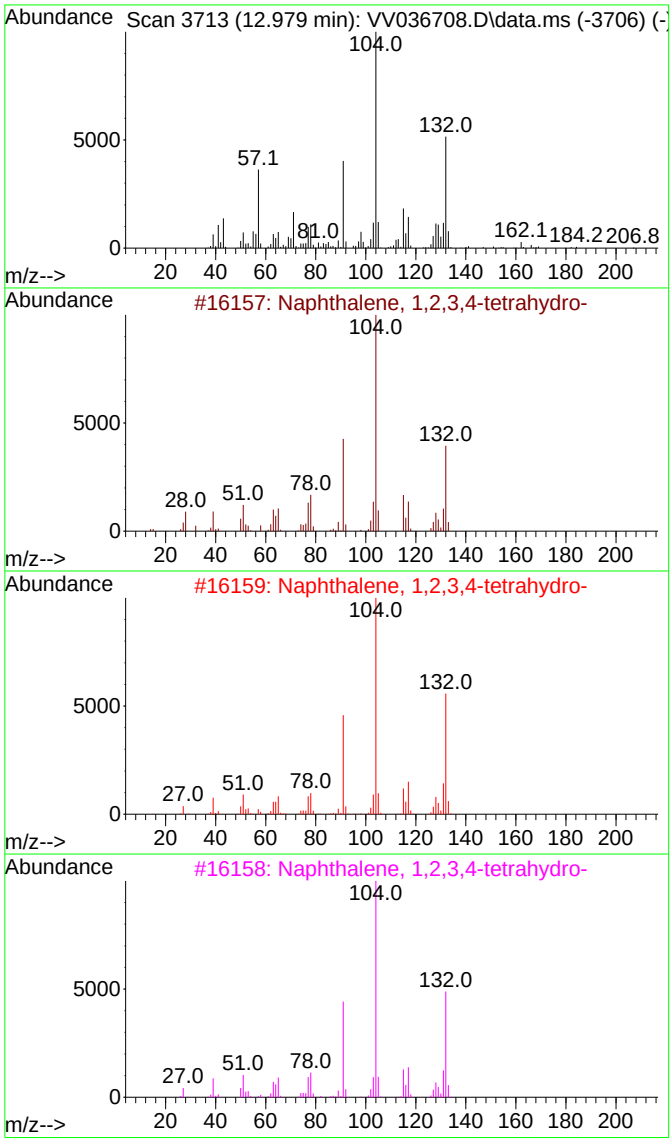
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

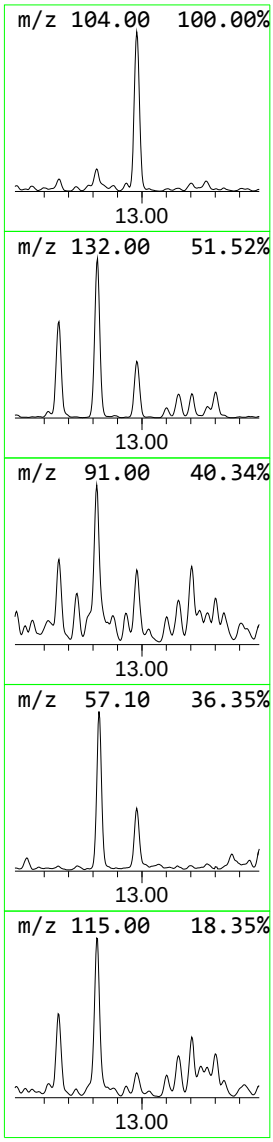
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 34 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.979 | 11.55 ug/L | 633145 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 96 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 95 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 95 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 95 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

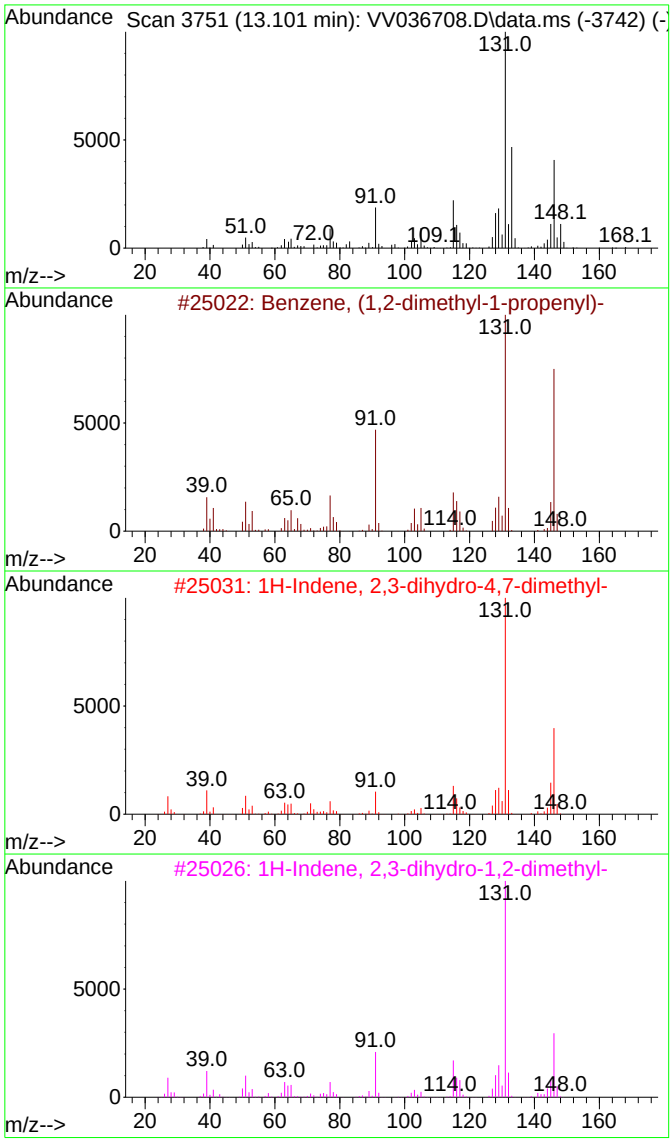
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

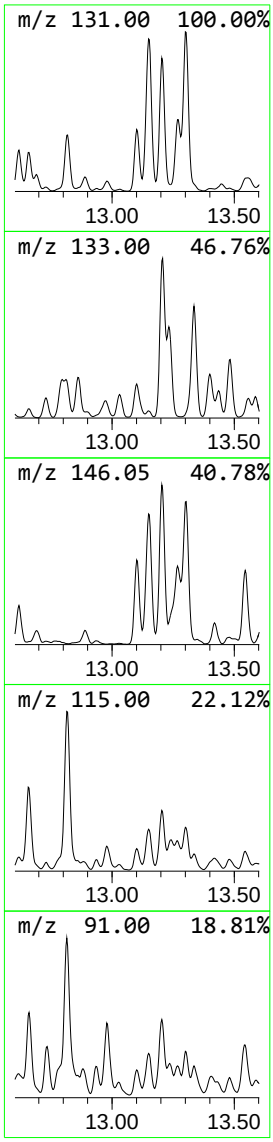
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 35 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.101 | 7.45 ug/L | 408659 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 95 |
| 2 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 89 |
| 3 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 89 |
| 4 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 89 |
| 5 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

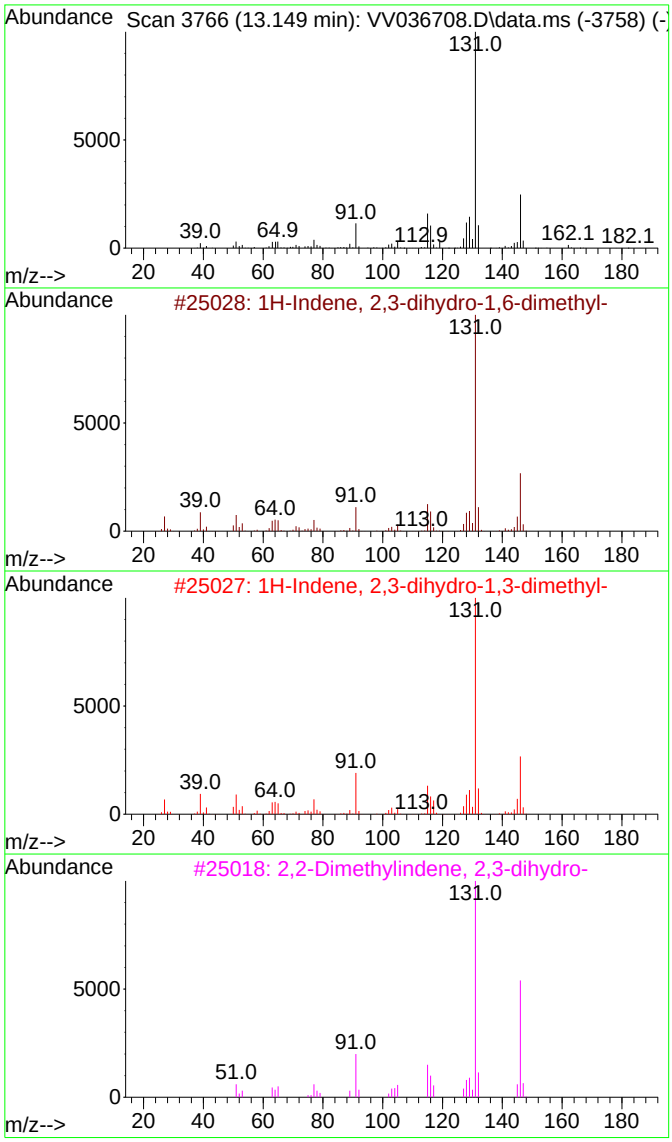
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

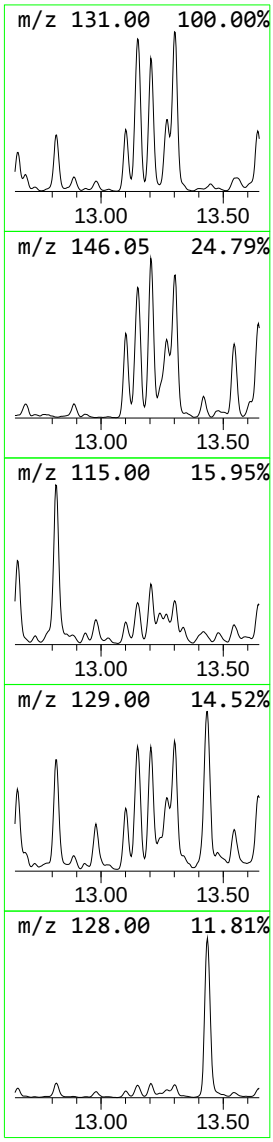
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 36 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.149 | 10.60 ug/L | 581058 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 91 |
| 3 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 91 |
| 4 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 91 |
| 5 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

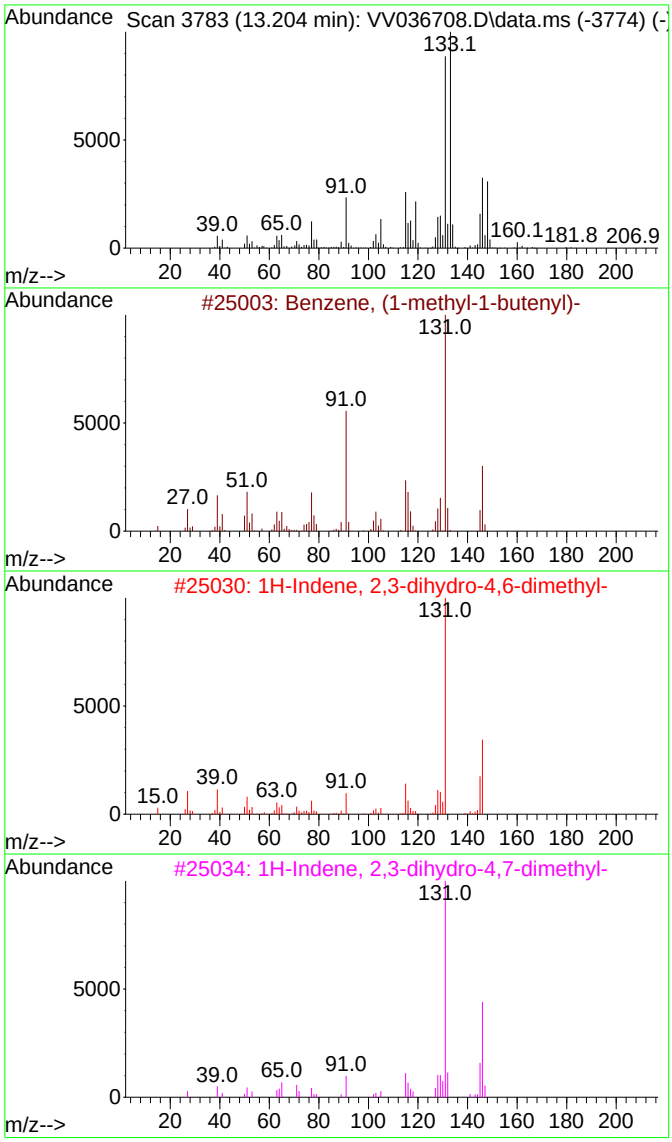
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

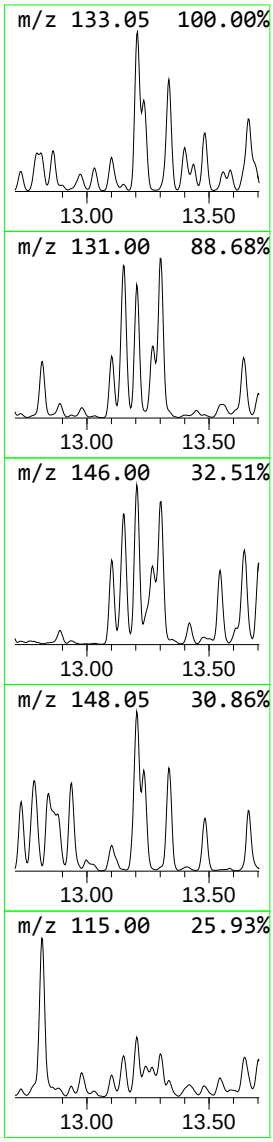
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 37 Benzene, (1-methyl-1-butenyl)- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.204 | 21.92 ug/L | 1201560 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 87 |
| 2 | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14 | 001685-82-1 | 50 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 50 |
| 4 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 50 |
| 5 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

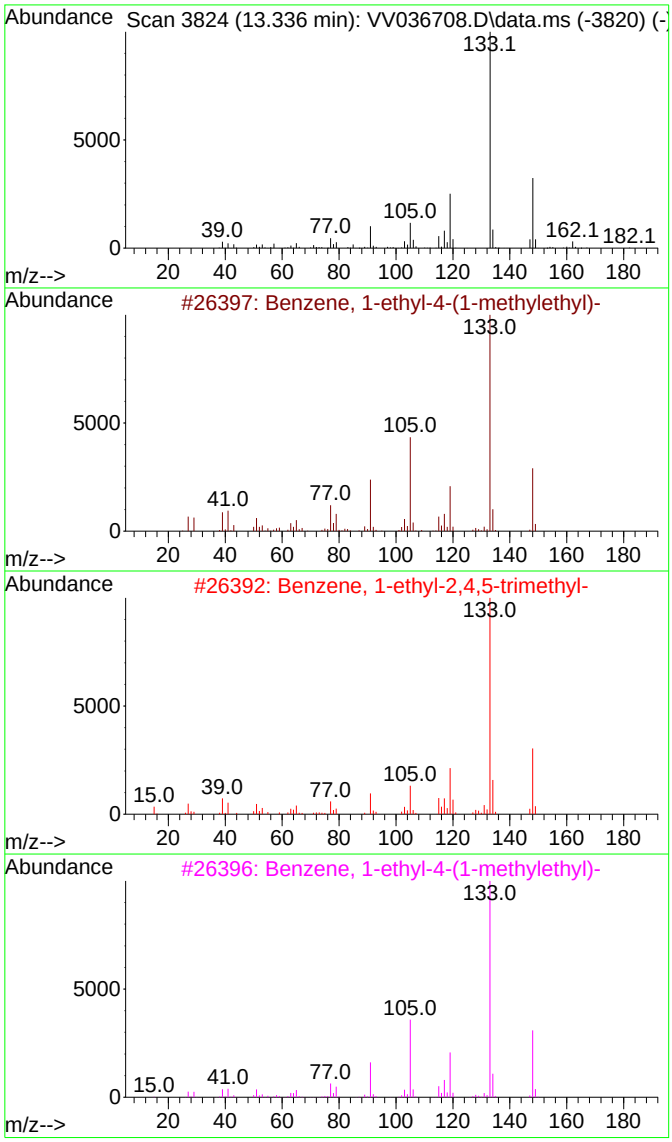
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

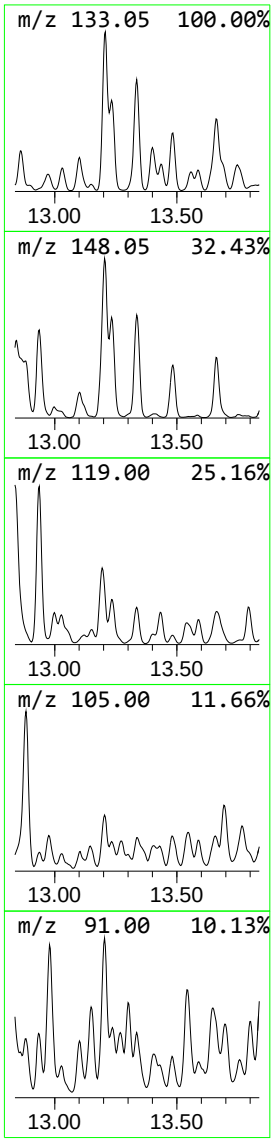
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 39 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.336 | 7.11 ug/L | 389967 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 87 |
| 2 | Benzene, 1-ethyl-2,4,5-trimethyl- | 148 | C11H16 | 017851-27-3 | 87 |
| 3 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 80 |
| 4 | Benzene, 1-ethyl-3-(1-methylethyl)- | 148 | C11H16 | 004920-99-4 | 74 |
| 5 | 3,4-Dimethylcumene | 148 | C11H16 | 1000370-34-1 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

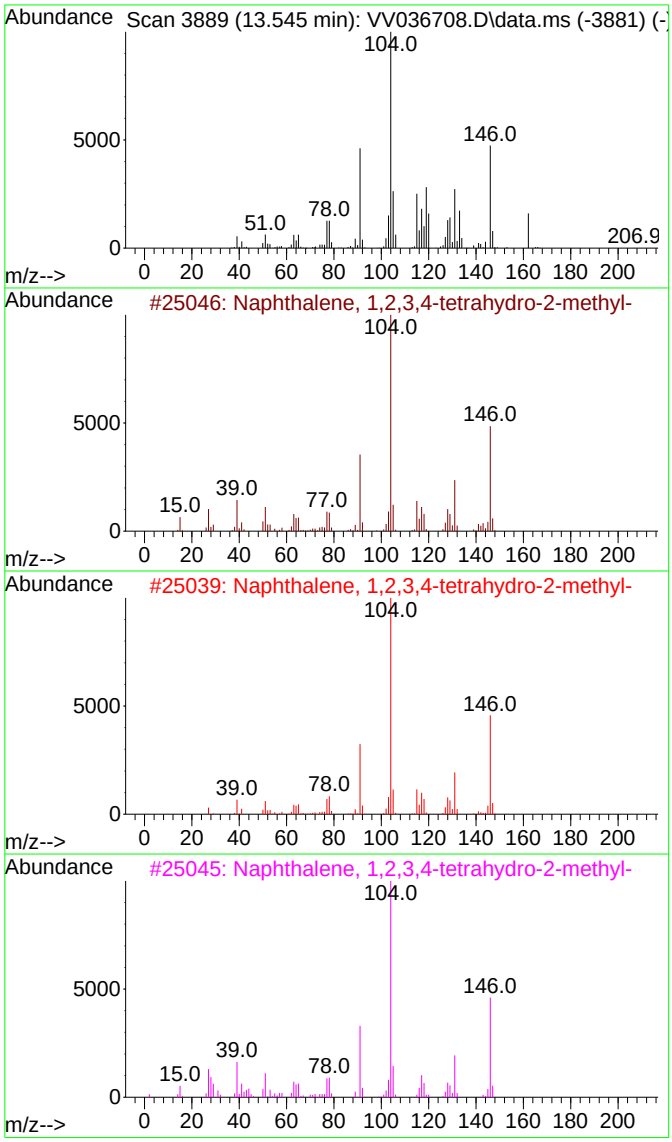
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

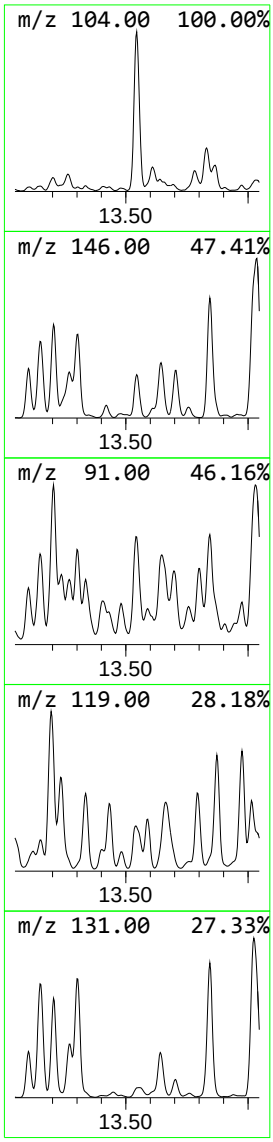
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 42 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.545 | 8.60 ug/L | 471702 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 70 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 70 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 62 |
| 4 | 2(1H)-Naphthalenone, 3,4-dihydro- | 146 | C10H10O | 000530-93-8 | 60 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

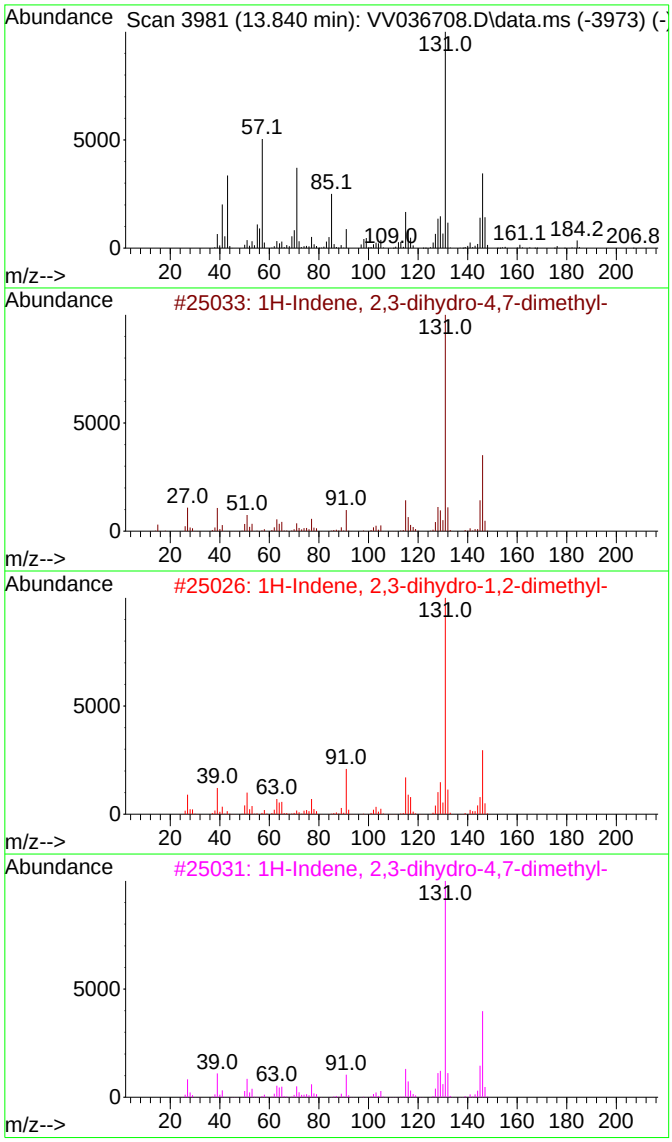
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

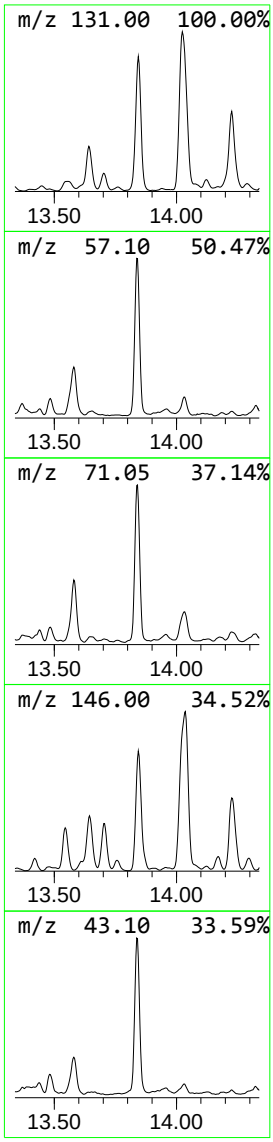
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 46 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.840 | 29.43 ug/L | 1613440 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 93 |
| 2 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 89 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 89 |
| 4 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 76 |
| 5 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 70 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

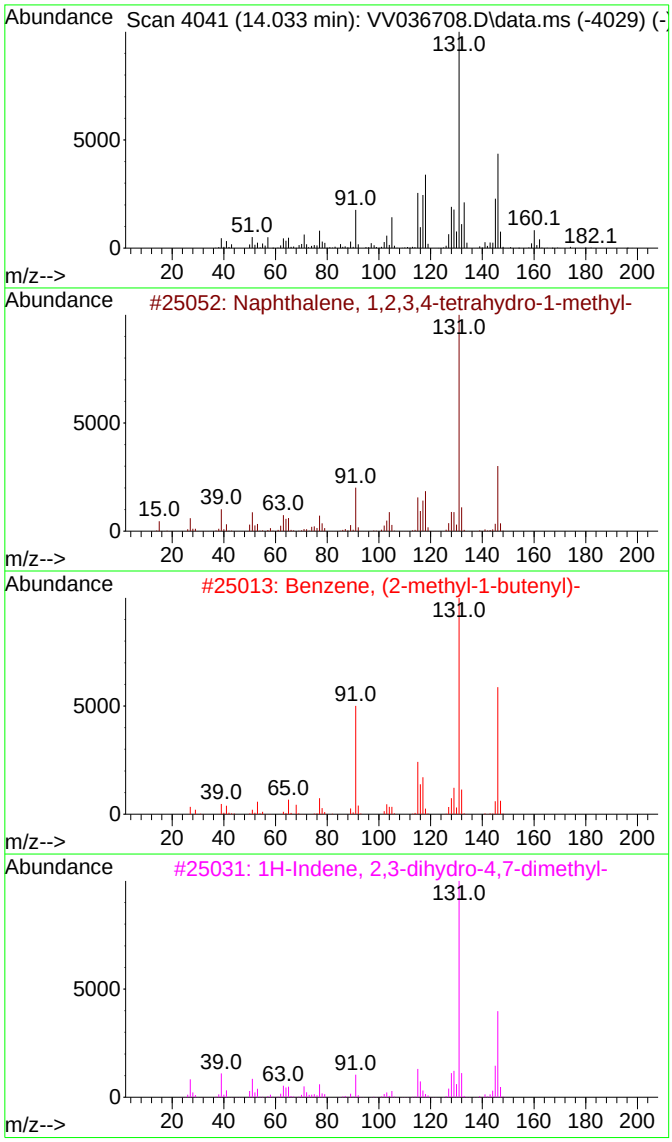
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

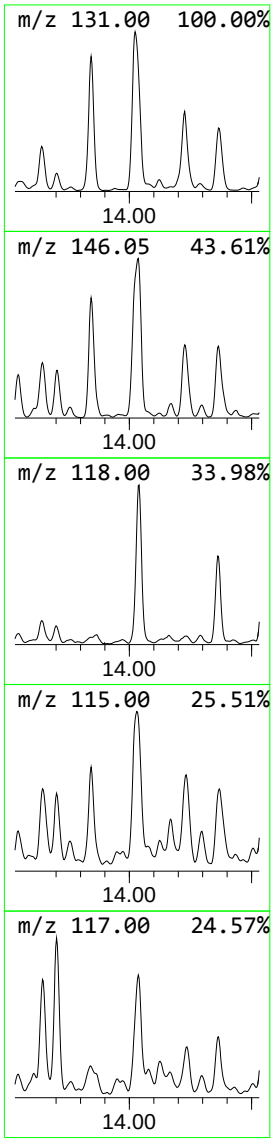
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 48 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.033 | 41.03 ug/L | 2249200 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 76 |
| 2 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 64 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 64 |
| 4 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 64 |
| 5 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 62 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

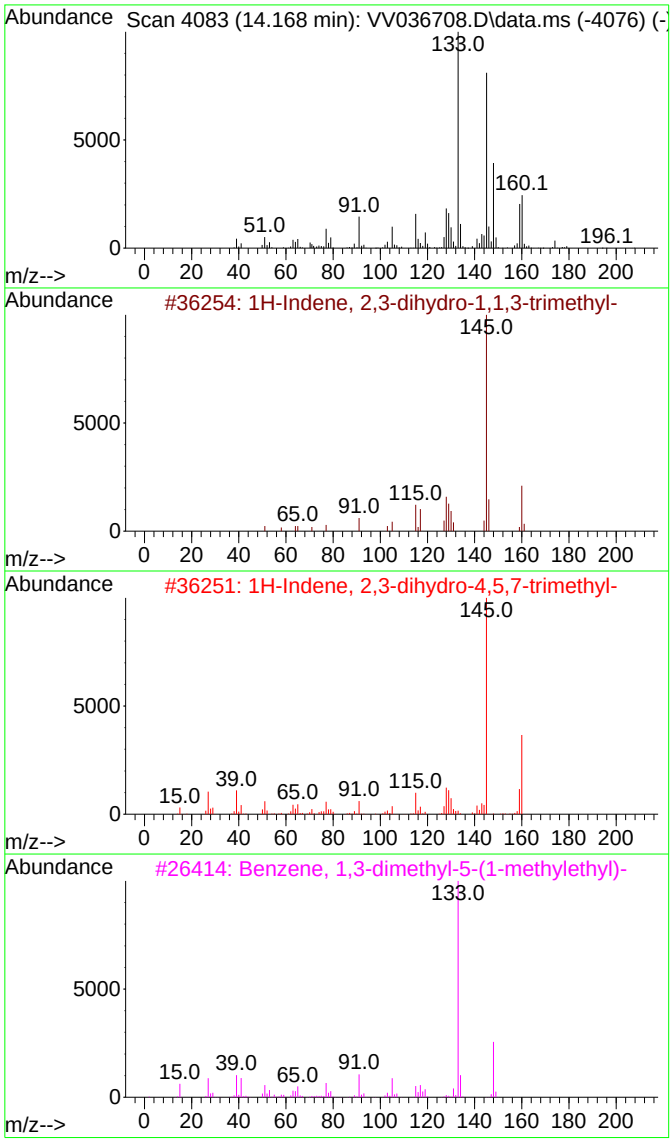
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

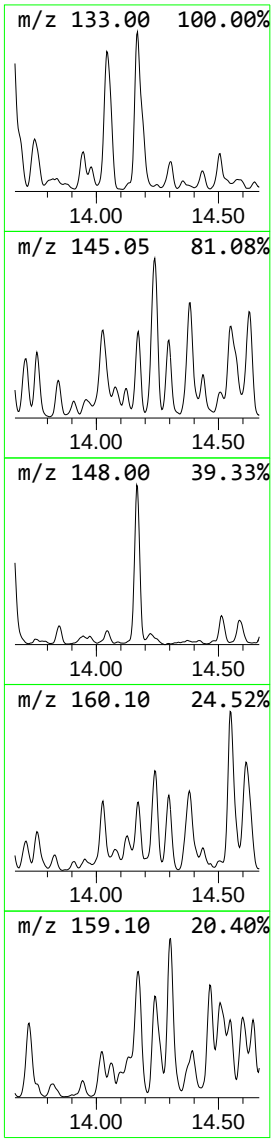
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 50 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.168 | 9.57 ug/L | 524581 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 | C12H16 | 002613-76-5 | 50 |
| 2 | 1H-Indene, 2,3-dihydro-4,5,7-tri... | 160 | C12H16 | 006682-06-0 | 46 |
| 3 | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16 | 004706-90-5 | 46 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 46 |
| 5 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 46 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

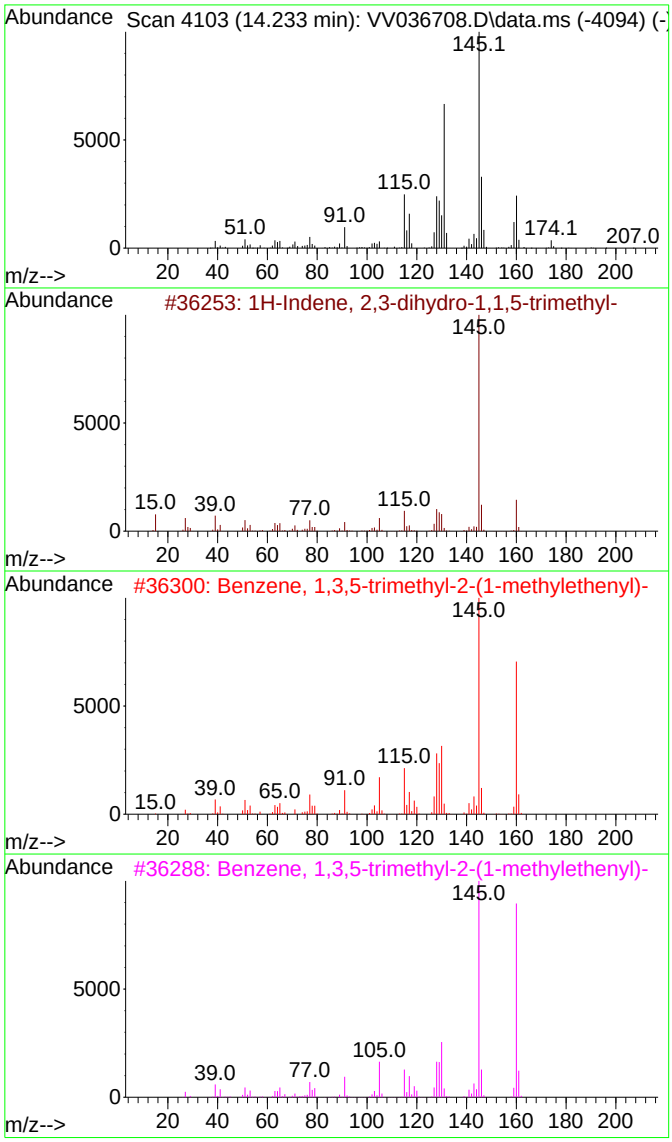
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

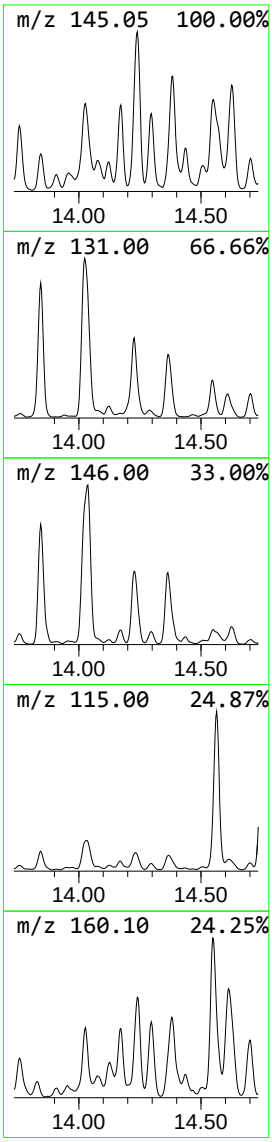
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 51 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.233 | 19.75 ug/L | 1082530 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,1,5-tri... | 160 | C12H16 | 040650-41-7 | 64 |
| 2 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 64 |
| 3 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 64 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 62 |
| 5 | Benzene, 4-(2-butenyl)-1,2-dimet... | 160 | C12H16 | 054340-86-2 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

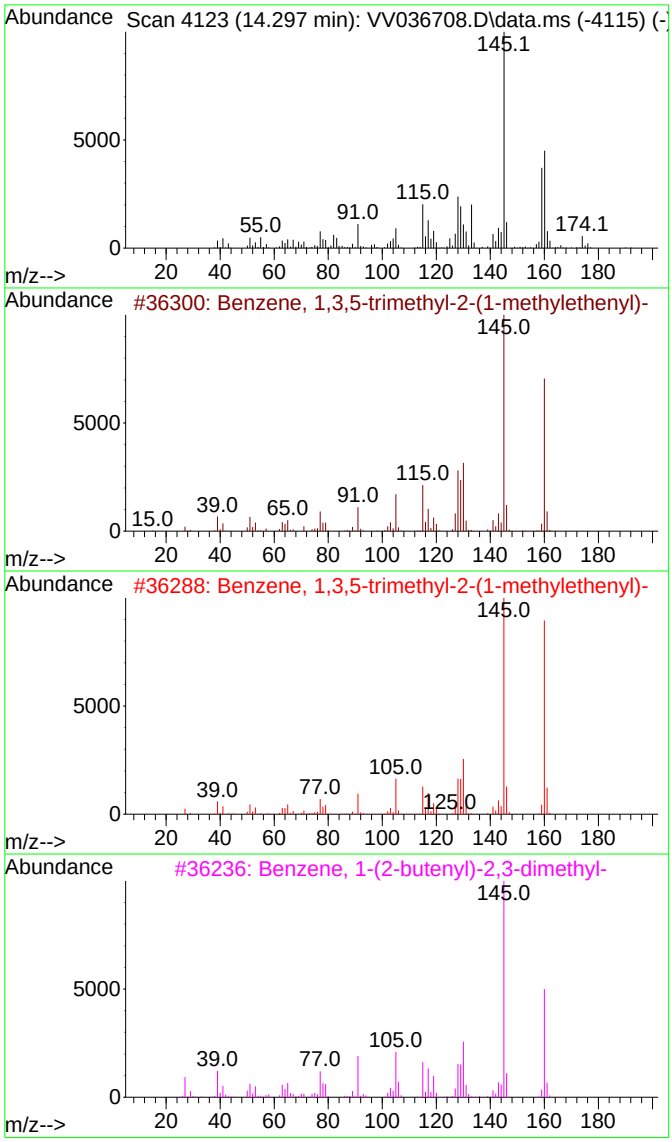
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

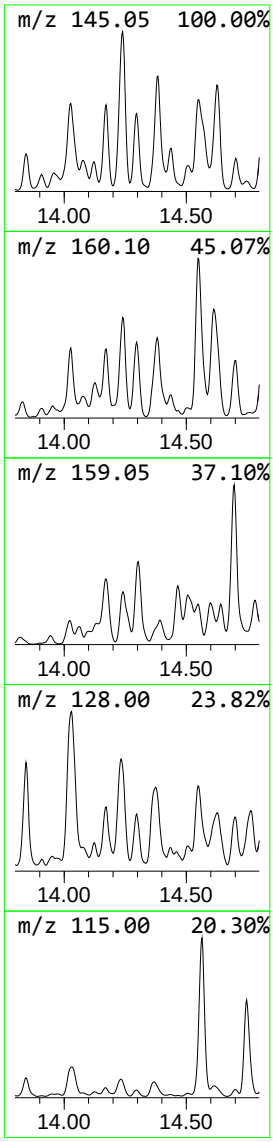
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 52 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.297 | 7.41 ug/L | 406295 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 90 |
| 2 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 90 |
| 3 | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16 | 054340-85-1 | 89 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 89 |
| 5 | Benzene, (2,2-dimethyl-1-methyle... | 160 | C12H16 | 005676-29-9 | 62 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

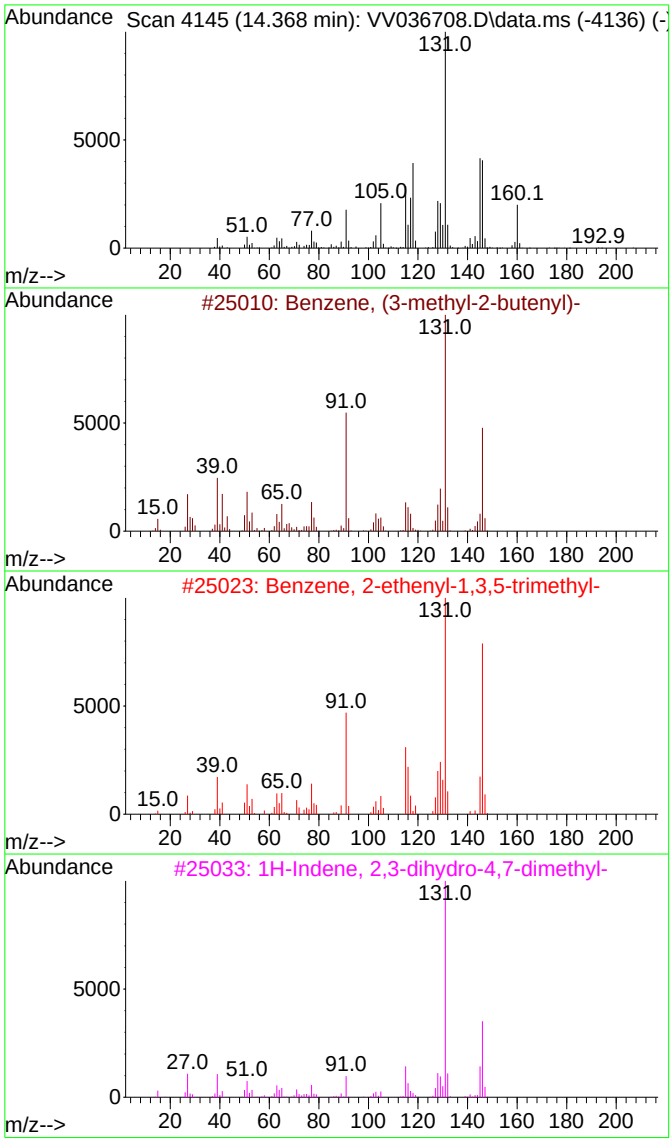
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

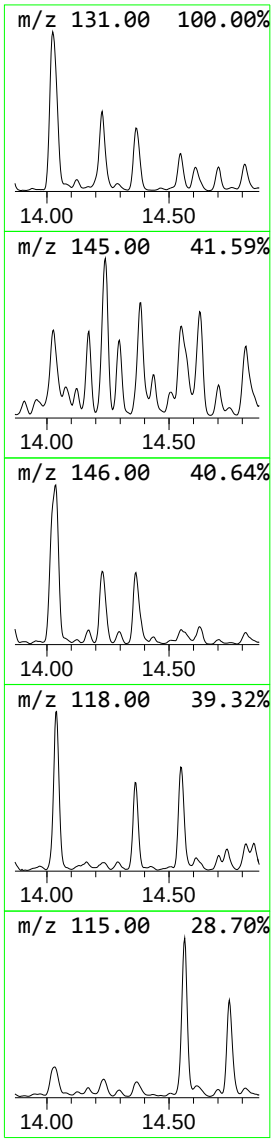
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 53 Benzene, (3-methyl-2-butenyl)- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.368 | 18.86 ug/L | 1033700 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 55 |
| 2 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 49 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 46 |
| 4 | 2-Propenal, 3-(4-methylphenyl)- | 146 | C10H10O | 001504-75-2 | 46 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 46 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

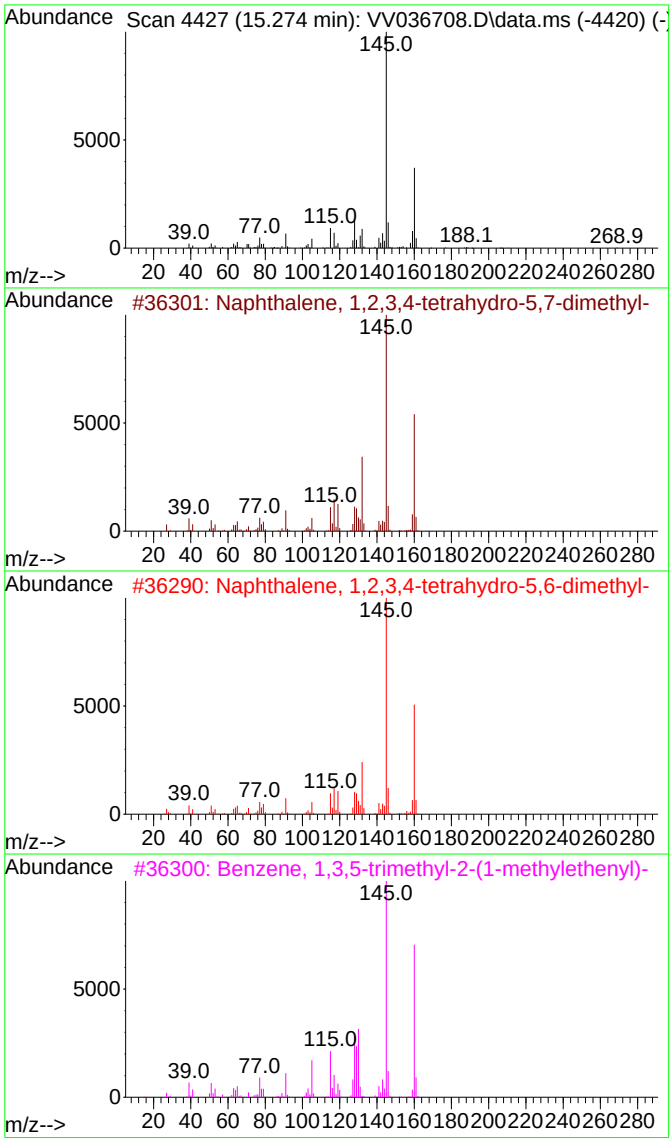
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

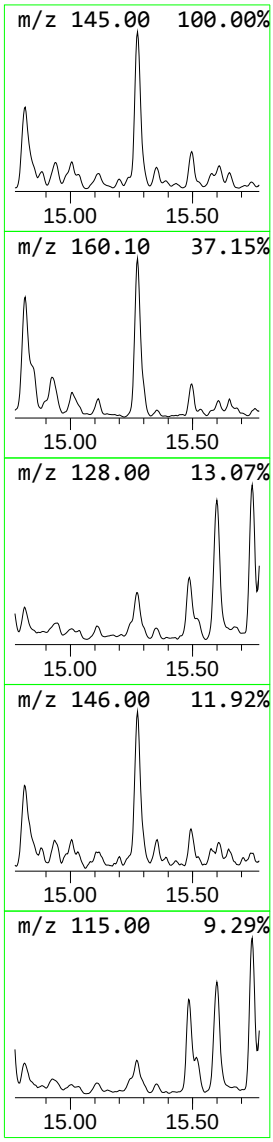
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 58 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.274 | 13.57 ug/L | 743992 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021693-54-9 | 91 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 020027-77-4 | 91 |
| 3 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 91 |
| 4 | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16 | 054340-85-1 | 90 |
| 5 | Benzene, 4-(2-butenyl)-1,2-dimet... | 160 | C12H16 | 054340-86-2 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

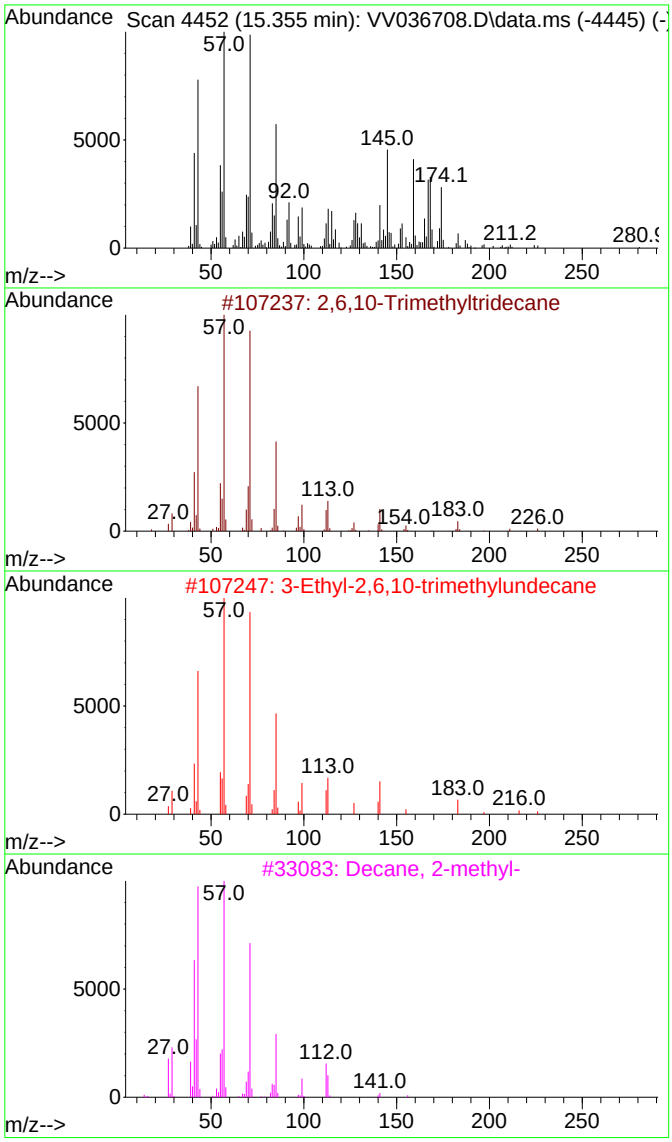
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

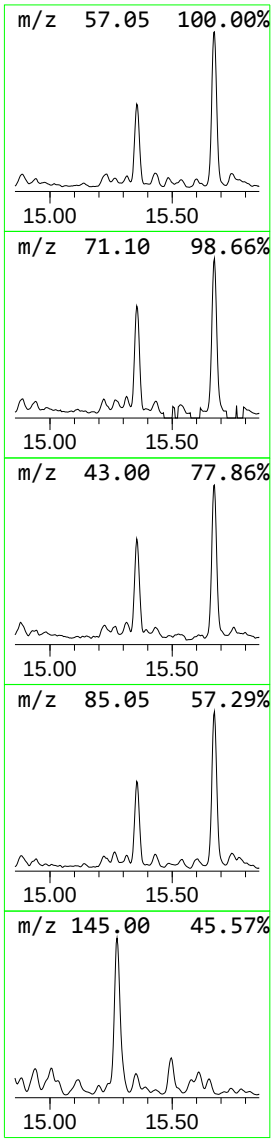
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 42

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.355 | 6.40 ug/L | 351016 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,6,10-Trimethyltridecane | 226 | C16H34 | 003891-99-4 | 93 |
| 2 | 3-Ethyl-2,6,10-trimethylundecane | 226 | C16H34 | 1000432-25-9 | 62 |
| 3 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 38 |
| 4 | Dodecane, 2-methyl- | 184 | C13H28 | 001560-97-0 | 35 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

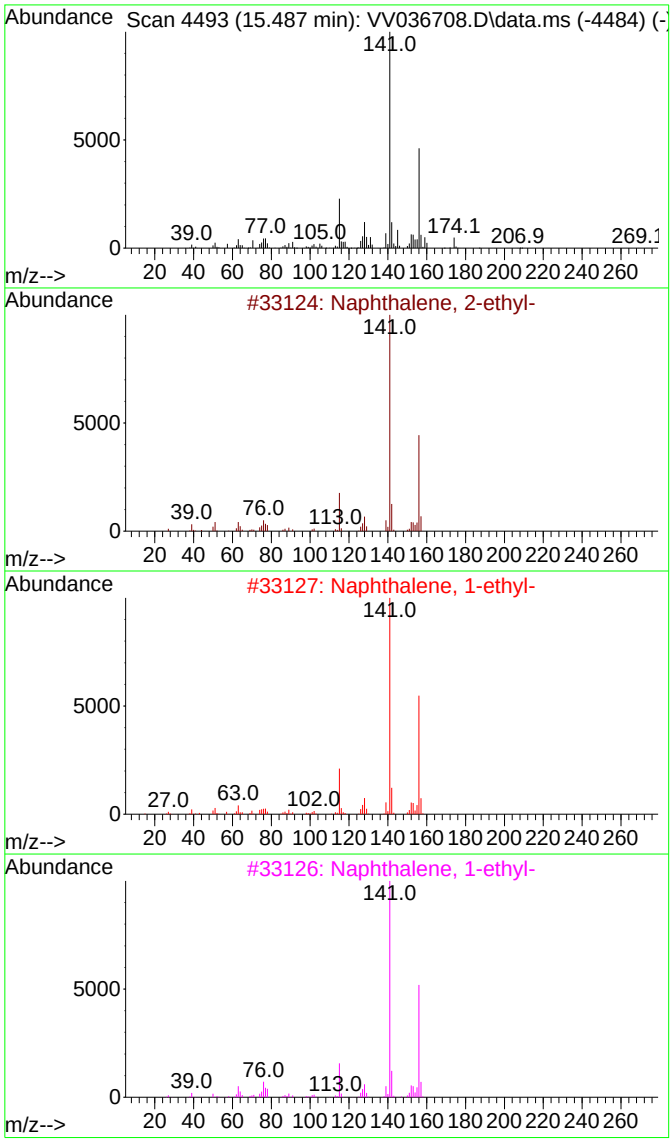
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

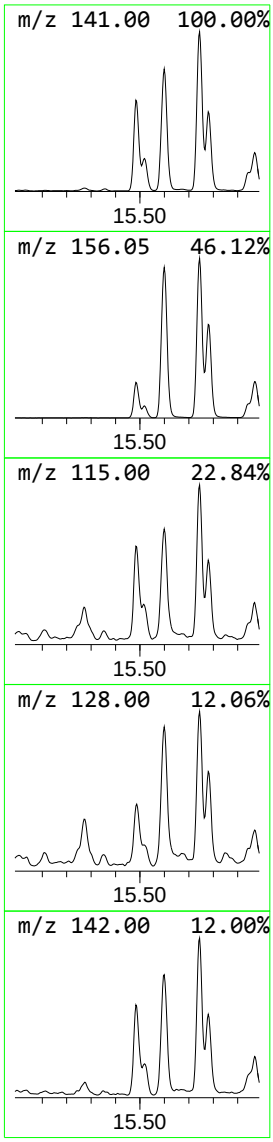
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 60 Naphthalene, 2-ethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.487 | 18.34 ug/L | 1005090 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 97 |
| 2 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 94 |
| 3 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 94 |
| 4 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 94 |
| 5 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 93 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

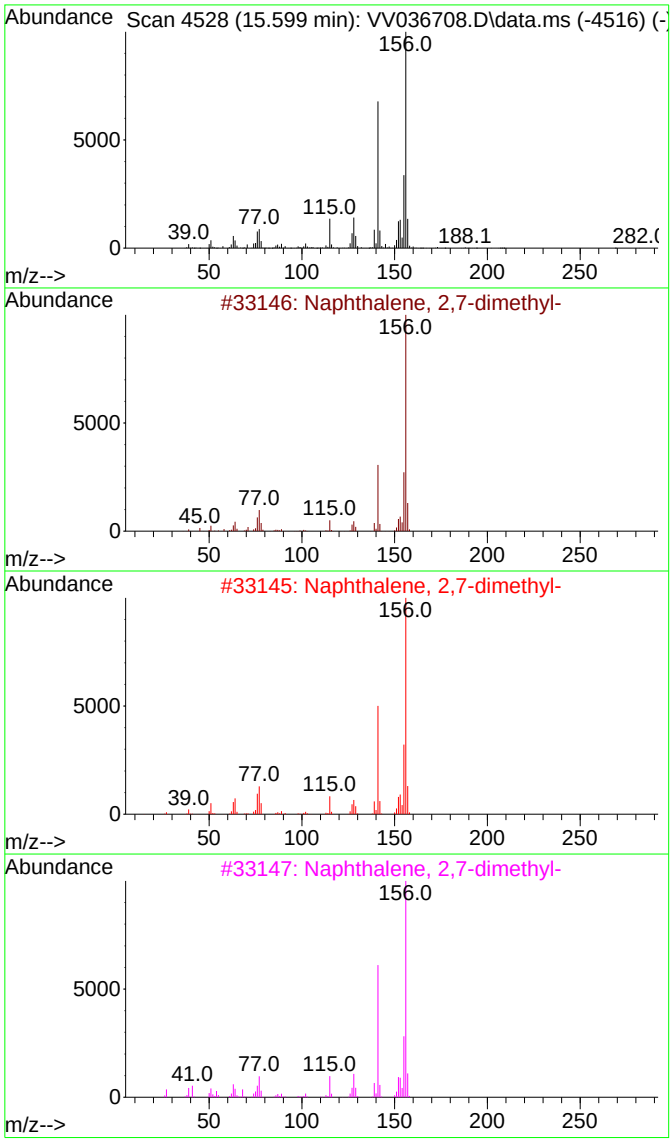
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

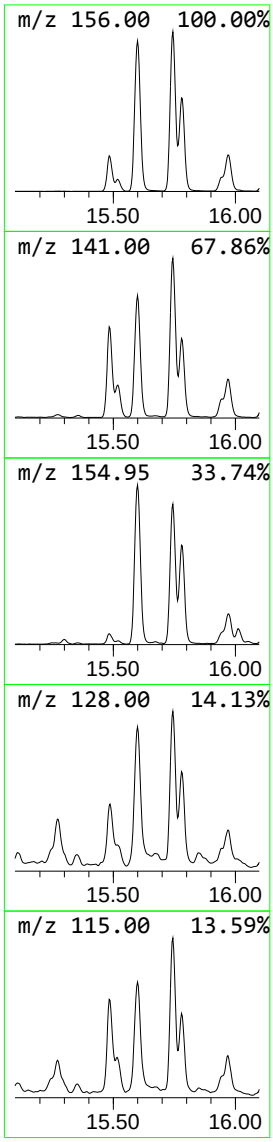
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 61 Naphthalene, 2,7-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.599 | 47.03 ug/L | 2578210 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 2 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 4 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 97 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

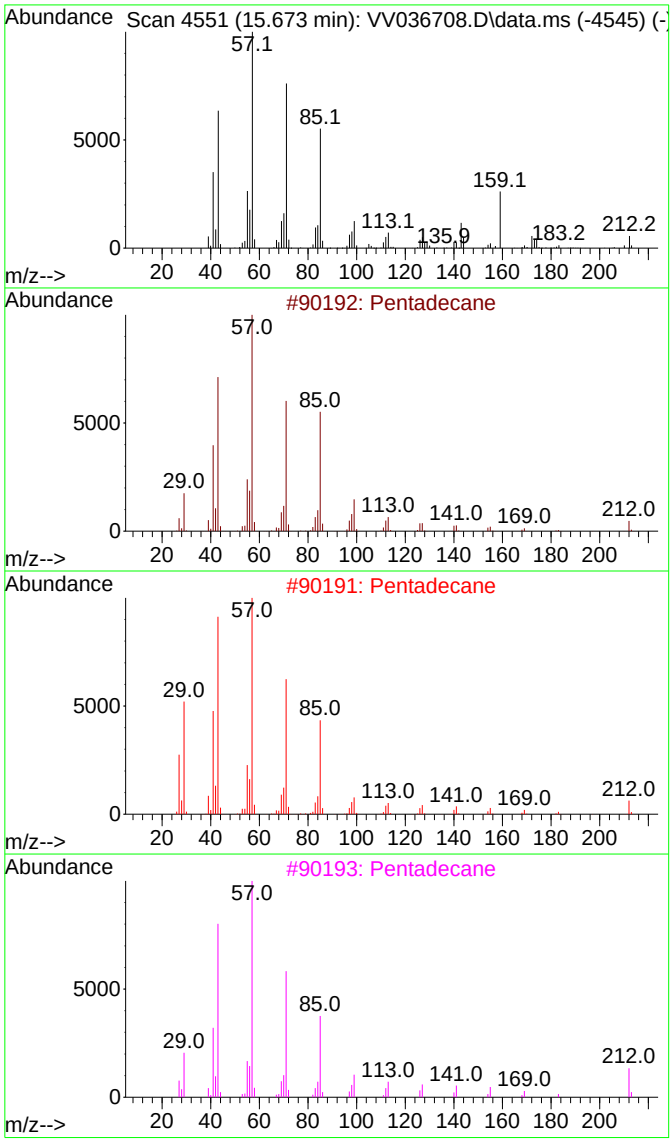
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

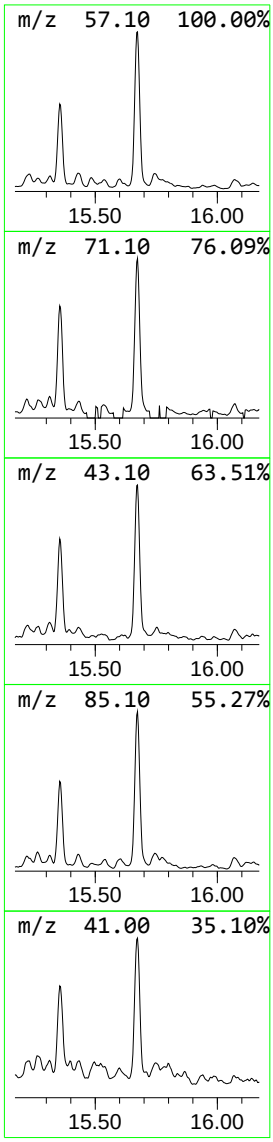
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 45

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.673 | 5.90 ug/L | 323656 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 95 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 81 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 74 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 74 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

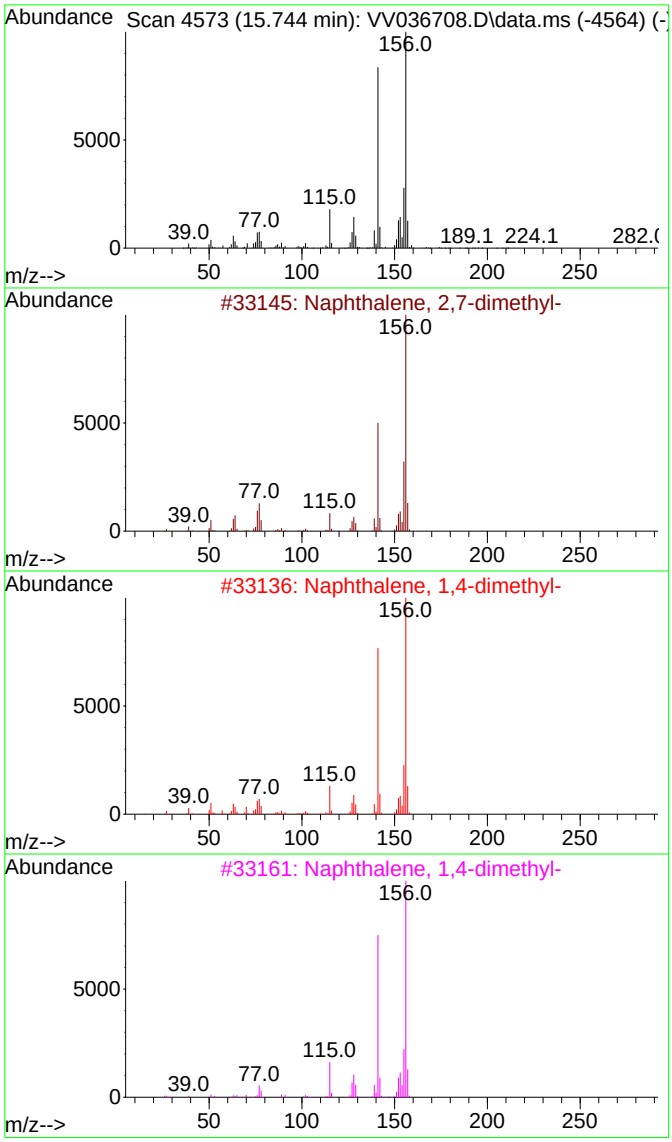
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

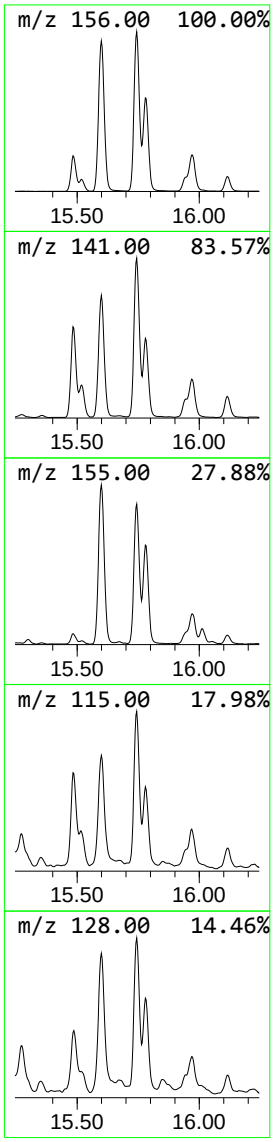
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 63 Naphthalene, 2,3-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.744 | 44.86 ug/L | 2458940 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 2 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 3 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

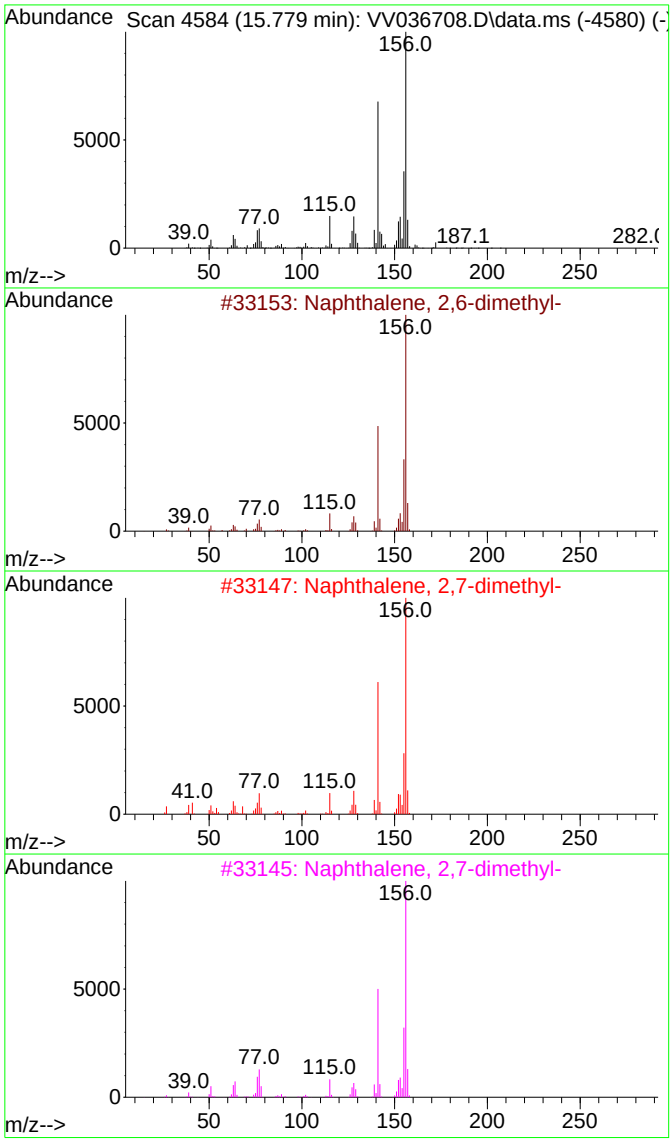
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

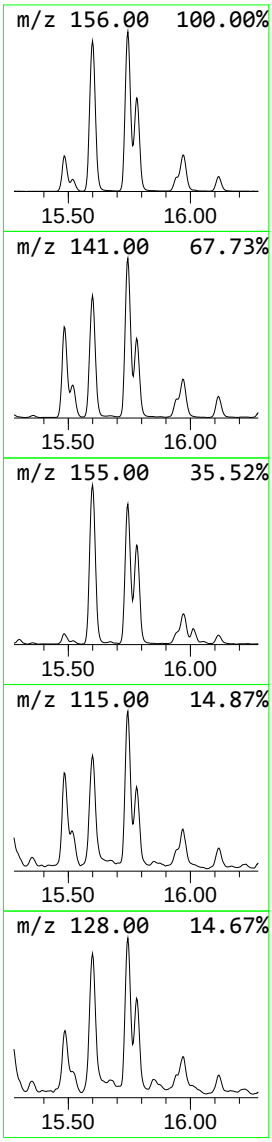
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 64 Naphthalene, 2,6-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.779 | 24.93 ug/L | 1366410 | 1,4-Dichlorobenzene-d4 | 11.181 |

| 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, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 4 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 96 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

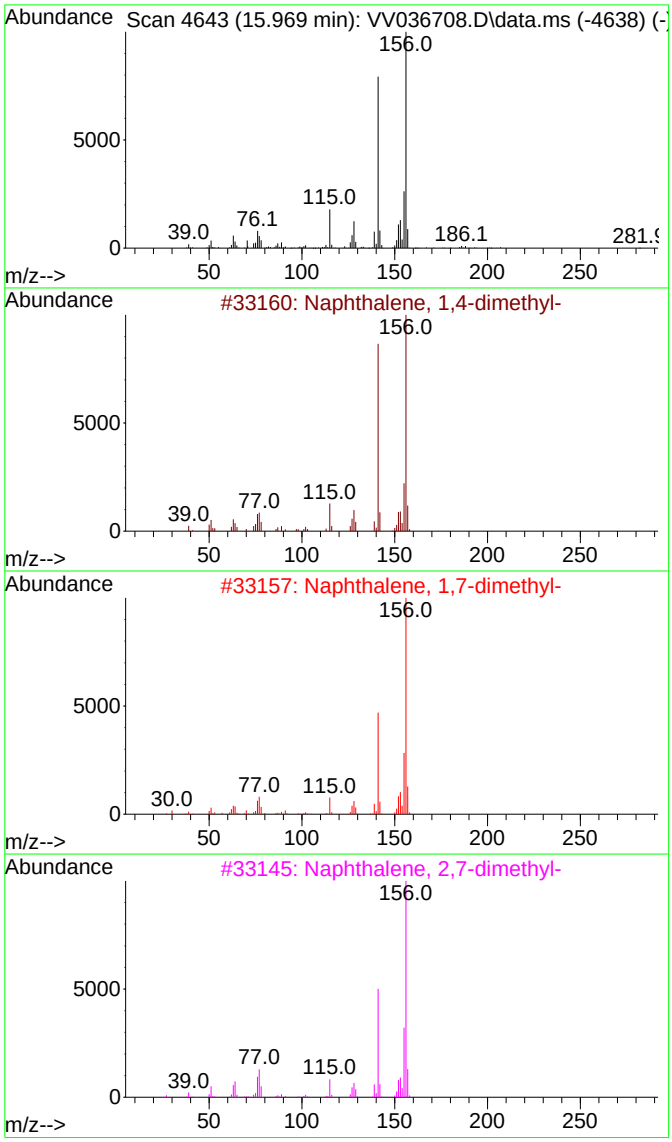
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis

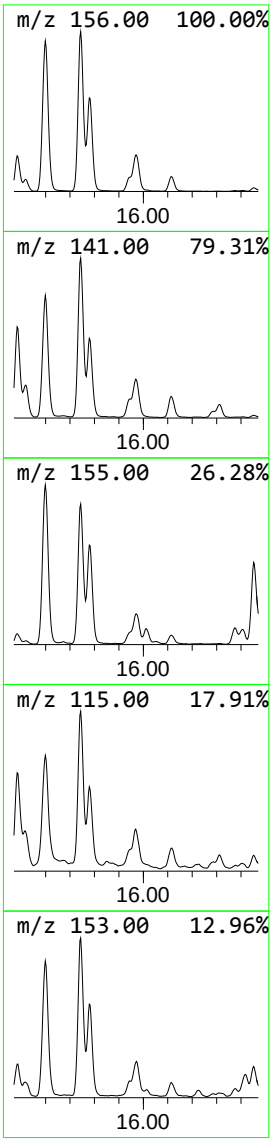
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 66 Naphthalene, 1,4-dimethyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.969 | 12.97 ug/L | 710865 | 1,4-Dichlorobenzene-d4 | 11.181 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 95 |
| 2 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 94 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 94 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 93 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036708.D
Acq On : 25 Jul 2024 15:26
Operator : SY/MD
Sample : P3328-07
Misc : 8.20g/10mL/MSVOA_V/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1ZW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.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... | 5.140 | 18.8 | ug/L | 875439 | 1 | 5.529 | 1164520 | 25.0 |
| (DEL) Alkane: S... | 6.175 | 1.7 | ug/L | 78220 | 1 | 5.529 | 1164520 | 25.0 |
| (DEL) Alkane: S... | 6.574 | 10.0 | ug/L | 466779 | 1 | 5.529 | 1164520 | 25.0 |
| (DEL) Alkane: S... | 6.696 | 11.9 | ug/L | 552396 | 1 | 5.529 | 1164520 | 25.0 |
| (DEL) Alkane: S... | 6.760 | 3.5 | ug/L | 163500 | 1 | 5.529 | 1164520 | 25.0 |
| (DEL) Alkane: C... | 7.188 | 1.3 | ug/L | 73541 | 2 | 8.783 | 1374730 | 25.0 |
| Benzene, 1-ethy... | 10.381 | 23.2 | ug/L | 1270420 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, 1-ethy... | 10.670 | 7.7 | ug/L | 420513 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, 1,2,3-... | 11.268 | 12.1 | ug/L | 663811 | 3 | 11.181 | 1370450 | 25.0 |
| Indane | 11.464 | 12.3 | ug/L | 672049 | 3 | 11.181 | 1370450 | 25.0 |
| (DEL) Alkane: S... | 11.728 | 3.4 | ug/L | 187368 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, 2-ethy... | 11.847 | 10.3 | ug/L | 565902 | 3 | 11.181 | 1370450 | 25.0 |
| o-Cymene | 11.876 | 11.2 | ug/L | 615513 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, 1-ethy... | 11.950 | 20.1 | ug/L | 1099960 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, 1-ethe... | 12.050 | 13.8 | ug/L | 754755 | 3 | 11.181 | 1370450 | 25.0 |
| (DEL) Alkane: C... | 12.310 | 2.9 | ug/L | 156176 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, 1,2,3,... | 12.349 | 14.5 | ug/L | 793000 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, 1,2,3,... | 12.400 | 24.7 | ug/L | 1352420 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, 1-meth... | 12.660 | 21.0 | ug/L | 1151700 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, (1-met... | 12.818 | 66.2 | ug/L | 3627160 | 3 | 11.181 | 1370450 | 25.0 |
| Naphthalene, 1,... | 12.979 | 11.6 | ug/L | 633145 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, (1,2-d... | 13.101 | 7.5 | ug/L | 408659 | 3 | 11.181 | 1370450 | 25.0 |
| 1H-Indene, 2,3-... | 13.149 | 10.6 | ug/L | 581058 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, (1-met... | 13.204 | 21.9 | ug/L | 1201560 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, 1-ethy... | 13.336 | 7.1 | ug/L | 389967 | 3 | 11.181 | 1370450 | 25.0 |
| Naphthalene, 1,... | 13.545 | 8.6 | ug/L | 471702 | 3 | 11.181 | 1370450 | 25.0 |
| 1H-Indene, 2,3-... | 13.840 | 29.4 | ug/L | 1613440 | 3 | 11.181 | 1370450 | 25.0 |
| Naphthalene, 1,... | 14.033 | 41.0 | ug/L | 2249200 | 3 | 11.181 | 1370450 | 25.0 |
| 1H-Indene, 2,3-... | 14.168 | 9.6 | ug/L | 524581 | 3 | 11.181 | 1370450 | 25.0 |
| 1H-Indene, 2,3-... | 14.233 | 19.8 | ug/L | 1082530 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, 1,3,5-... | 14.297 | 7.4 | ug/L | 406295 | 3 | 11.181 | 1370450 | 25.0 |
| Benzene, (3-met... | 14.368 | 18.9 | ug/L | 1033700 | 3 | 11.181 | 1370450 | 25.0 |
| Naphthalene, 1,... | 15.274 | 13.6 | ug/L | 743992 | 3 | 11.181 | 1370450 | 25.0 |
| (DEL) Alkane: S... | 15.355 | 6.4 | ug/L | 351016 | 3 | 11.181 | 1370450 | 25.0 |
| Naphthalene, 2-... | 15.487 | 18.3 | ug/L | 1005090 | 3 | 11.181 | 1370450 | 25.0 |
| Naphthalene, 2,... | 15.599 | 47.0 | ug/L | 2578210 | 3 | 11.181 | 1370450 | 25.0 |
| (DEL) Alkane: S... | 15.673 | 5.9 | ug/L | 323656 | 3 | 11.181 | 1370450 | 25.0 |
| Naphthalene, 2,... | 15.744 | 44.9 | ug/L | 2458940 | 3 | 11.181 | 1370450 | 25.0 |
| Naphthalene, 2,... | 15.779 | 24.9 | ug/L | 1366410 | 3 | 11.181 | 1370450 | 25.0 |
| Naphthalene, 1,... | 15.969 | 13.0 | ug/L | 710865 | 3 | 11.181 | 1370450 | 25.0 |