LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

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\SFAMVLM072822WMA.M
Title : VOC Analysis

Signal : TIC: VV027110.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.102 | 12 | 19 | 38 | rBV2 | 51433149 | 92719650 | 73.70% | 22.314% |
| 2 | 1.301 | 73 | 81 | 101 | rVB2 | 394793 | 693282 | 0.55% | 0.167% |
| 3 | 1.561 | 155 | 162 | 176 | rVB | 258042 | 304634 | 0.24% | 0.073% |
| 4 | 1.970 | 285 | 289 | 298 | rVB | 86477 | 107882 | 0.09% | 0.026% |
| 5 | 2.024 | 298 | 306 | 311 | rBV | 136360 | 196113 | 0.16% | 0.047% |
| 6 | 2.101 | 322 | 330 | 342 | rVB | 561029 | 794070 | 0.63% | 0.191% |
| 7 | 2.198 | 342 | 360 | 380 | rBV2 | 782202 | 2215716 | 1.76% | 0.533% |
| 8 | 2.426 | 425 | 431 | 439 | rVB | 108866 | 149470 | 0.12% | 0.036% |
| 9 | 2.568 | 465 | 475 | 490 | rVB | 1333186 | 2400323 | 1.91% | 0.578% |
| 10 | 2.651 | 491 | 501 | 520 | rVB | 592604 | 1072305 | 0.85% | 0.258% |
| 11 | 2.754 | 525 | 533 | 546 | rVB2 | 47875 | 98573 | 0.08% | 0.024% |
| 12 | 2.828 | 546 | 556 | 579 | rVB | 132799 | 258571 | 0.21% | 0.062% |
| 13 | 3.034 | 609 | 620 | 637 | rVB | 69493 | 137282 | 0.11% | 0.033% |
| 14 | 3.185 | 648 | 667 | 684 | rVB2 | 49322 | 135773 | 0.11% | 0.033% |
| 15 | 3.507 | 754 | 767 | 784 | rVB4 | 44441 | 106512 | 0.08% | 0.026% |
| 16 | 3.757 | 831 | 845 | 848 | rBV | 63981 | 119884 | 0.10% | 0.029% |
| 17 | 3.799 | 850 | 858 | 869 | rVV2 | 150462 | 344905 | 0.27% | 0.083% |
| 18 | 3.873 | 870 | 881 | 900 | rVV2 | 367718 | 965968 | 0.77% | 0.232% |
| 19 | 3.966 | 902 | 910 | 941 | rVB2 | 100097 | 313154 | 0.25% | 0.075% |
| 20 | 4.343 | 1008 | 1027 | 1063 | rBV | 428341 | 1176870 | 0.94% | 0.283% |
| 21 | 4.670 | 1117 | 1129 | 1146 | rVB2 | 94442 | 231627 | 0.18% | 0.056% |
| 22 | 5.095 | 1225 | 1261 | 1295 | rBV2 | 26375753 | 63872962 | 50.77% | 15.371% |
| 23 | 5.359 | 1337 | 1343 | 1360 | rVB2 | 76528 | 156810 | 0.12% | 0.038% |
| 24 | 5.613 | 1410 | 1422 | 1449 | rVB | 701990 | 1424611 | 1.13% | 0.343% |
| 25 | 5.892 | 1494 | 1509 | 1520 | rBV3 | 456421 | 1082856 | 0.86% | 0.261% |
| 26 | 6.066 | 1551 | 1563 | 1574 | rBV | 509913 | 1024081 | 0.81% | 0.246% |
| 27 | 6.137 | 1574 | 1585 | 1586 | rVV2 | 281872 | 481256 | 0.38% | 0.116% |
| 28 | 6.166 | 1589 | 1594 | 1639 | rVB3 | 509777 | 1258133 | 1.00% | 0.303% |
| 29 | 6.371 | 1640 | 1658 | 1703 | rVB | 685468 | 1565492 | 1.24% | 0.377% |
| 30 | 6.754 | 1769 | 1777 | 1802 | rVB4 | 81037 | 179639 | 0.14% | 0.043% |
| 31 | 6.895 | 1807 | 1821 | 1842 | rBV | 6659721 | 13662185 | 10.86% | 3.288% |
| 32 | 7.072 | 1869 | 1876 | 1896 | rVB5 | 46749 | 110321 | 0.09% | 0.027% |
| 33 | 7.236 | 1916 | 1927 | 1940 | rBV6 | 146407 | 371137 | 0.29% | 0.089% |
| 34 | 7.313 | 1940 | 1951 | 1961 | rBV | 1269693 | 2170154 | 1.72% | 0.522% |
| 35 | 7.391 | 1961 | 1975 | 2011 | rVB2 | 8773193 | 25606984 | 20.35% | 6.162% |
| 36 | 7.619 | 2033 | 2046 | 2064 | rVB | 208224 | 421095 | 0.33% | 0.101% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

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\SFAMVLM072822WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 7.783 | 2079 | 2097 | 2136 | rVB | 3946426 | 8014277 | 6.37% | 1.929% |
| 38 | 8.008 | 2151 | 2167 | 2183 | rBV | 3097466 | 5365694 | 4.26% | 1.291% |
| 39 | 8.088 | 2183 | 2192 | 2203 | rBV | 639302 | 1123898 | 0.89% | 0.270% |
| 40 | 8.214 | 2221 | 2231 | 2247 | rBV | 482406 | 887633 | 0.71% | 0.214% |
| 41 | 8.375 | 2272 | 2281 | 2291 | rBV4 | 50416 | 108376 | 0.09% | 0.026% |
| 42 | 8.445 | 2291 | 2303 | 2332 | rVB | 1675285 | 3310039 | 2.63% | 0.797% |
| 43 | 8.625 | 2347 | 2359 | 2369 | rBV | 120109 | 248763 | 0.20% | 0.060% |
| 44 | 8.677 | 2369 | 2375 | 2386 | rVB2 | 72902 | 118333 | 0.09% | 0.028% |
| 45 | 8.818 | 2408 | 2419 | 2423 | rBV | 301834 | 429562 | 0.34% | 0.103% |
| 46 | 8.892 | 2423 | 2442 | 2466 | rVV3 | 61891137 | 125809932 | 100.00% | 30.277% |
| 47 | 9.011 | 2466 | 2479 | 2492 | rVV | 520337 | 1216736 | 0.97% | 0.293% |
| 48 | 9.075 | 2492 | 2499 | 2502 | rVV3 | 110402 | 166665 | 0.13% | 0.040% |
| 49 | 9.108 | 2502 | 2509 | 2511 | rVV2 | 270030 | 369431 | 0.29% | 0.089% |
| 50 | 9.137 | 2512 | 2518 | 2540 | rVB | 676354 | 1159593 | 0.92% | 0.279% |
| 51 | 9.281 | 2554 | 2563 | 2586 | rVB3 | 105624 | 309940 | 0.25% | 0.075% |
| 52 | 9.384 | 2587 | 2595 | 2605 | rBV3 | 62705 | 96283 | 0.08% | 0.023% |
| 53 | 9.448 | 2605 | 2615 | 2633 | rVB6 | 50967 | 123797 | 0.10% | 0.030% |
| 54 | 9.542 | 2633 | 2644 | 2656 | rBV | 429259 | 676360 | 0.54% | 0.163% |
| 55 | 9.931 | 2754 | 2765 | 2779 | rVB | 80185 | 149349 | 0.12% | 0.036% |
| 56 | 10.014 | 2779 | 2791 | 2800 | rBV4 | 59306 | 108246 | 0.09% | 0.026% |
| 57 | 10.079 | 2800 | 2811 | 2835 | rVB | 1228558 | 1963955 | 1.56% | 0.473% |
| 58 | 10.214 | 2838 | 2853 | 2869 | rBV | 1128862 | 1852038 | 1.47% | 0.446% |
| 59 | 10.294 | 2869 | 2878 | 2887 | rVB | 94561 | 146926 | 0.12% | 0.035% |
| 60 | 10.355 | 2888 | 2897 | 2904 | rBV3 | 179882 | 300132 | 0.24% | 0.072% |
| 61 | 10.419 | 2904 | 2917 | 2930 | rVV2 | 1454143 | 2871444 | 2.28% | 0.691% |
| 62 | 10.535 | 2942 | 2953 | 2965 | rVB | 1181697 | 1785251 | 1.42% | 0.430% |
| 63 | 10.683 | 2990 | 2999 | 3008 | rBV | 363449 | 573413 | 0.46% | 0.138% |
| 64 | 10.735 | 3008 | 3015 | 3024 | rVB | 192886 | 281862 | 0.22% | 0.068% |
| 65 | 10.825 | 3035 | 3043 | 3060 | rVB2 | 162781 | 313257 | 0.25% | 0.075% |
| 66 | 10.915 | 3060 | 3071 | 3077 | rBV | 219869 | 346310 | 0.28% | 0.083% |
| 67 | 10.960 | 3078 | 3085 | 3096 | rVV | 250491 | 438022 | 0.35% | 0.105% |
| 68 | 11.024 | 3096 | 3105 | 3119 | rVV | 350068 | 641068 | 0.51% | 0.154% |
| 69 | 11.172 | 3140 | 3151 | 3164 | rBV | 382693 | 711490 | 0.57% | 0.171% |
| 70 | 11.246 | 3164 | 3174 | 3184 | rBV | 1339429 | 2278437 | 1.81% | 0.548% |
| 71 | 11.300 | 3184 | 3191 | 3199 | rVB | 841497 | 1199951 | 0.95% | 0.289% |
| 72 | 11.397 | 3214 | 3221 | 3231 | rVB2 | 73220 | 114093 | 0.09% | 0.027% |
| 73 | 11.529 | 3255 | 3262 | 3272 | rVB4 | 71528 | 113716 | 0.09% | 0.027% |
| 74 | 11.644 | 3281 | 3298 | 3320 | rVB2 | 4458748 | 8853114 | 7.04% | 2.131% |
| 75 | 11.828 | 3339 | 3355 | 3370 | rVB3 | 122242 | 293969 | 0.23% | 0.071% |
| 76 | 11.911 | 3372 | 3381 | 3387 | rBV3 | 112997 | 180637 | 0.14% | 0.043% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

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\SFAMVLM072822WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 12.014 | 3405 | 3413 | 3421 | rBV | 81183 | 119097 | 0.09% | 0.029% |
| 78 | 12.104 | 3433 | 3441 | 3449 | rBV3 | 123459 | 226340 | 0.18% | 0.054% |
| 79 | 12.149 | 3450 | 3455 | 3467 | rVB4 | 94112 | 156500 | 0.12% | 0.038% |
| 80 | 12.313 | 3498 | 3506 | 3517 | rVB3 | 66803 | 107487 | 0.09% | 0.026% |
| 81 | 12.390 | 3518 | 3530 | 3545 | rBV3 | 141937 | 396244 | 0.31% | 0.095% |
| 82 | 12.464 | 3545 | 3553 | 3565 | rVB | 120794 | 175746 | 0.14% | 0.042% |
| 83 | 12.535 | 3566 | 3575 | 3580 | rBV2 | 84275 | 135696 | 0.11% | 0.033% |
| 84 | 12.571 | 3581 | 3586 | 3602 | rVB7 | 81932 | 166221 | 0.13% | 0.040% |
| 85 | 12.815 | 3645 | 3662 | 3673 | rBV | 1264722 | 1976164 | 1.57% | 0.476% |
| 86 | 12.879 | 3674 | 3682 | 3697 | rVV3 | 220299 | 388986 | 0.31% | 0.094% |
| 87 | 13.046 | 3726 | 3734 | 3746 | rVB5 | 75201 | 127528 | 0.10% | 0.031% |
| 88 | 13.159 | 3758 | 3769 | 3775 | rBV2 | 158332 | 277391 | 0.22% | 0.067% |
| 89 | 13.201 | 3775 | 3782 | 3786 | rBV | 131905 | 184154 | 0.15% | 0.044% |
| 90 | 13.500 | 3870 | 3875 | 3884 | rVB | 153613 | 211561 | 0.17% | 0.051% |
| 91 | 13.615 | 3904 | 3911 | 3924 | rVB5 | 65833 | 120955 | 0.10% | 0.029% |
| 92 | 13.715 | 3931 | 3942 | 3952 | rBV6 | 67271 | 144967 | 0.12% | 0.035% |
| 93 | 13.853 | 3975 | 3985 | 3990 | rBV | 340092 | 499682 | 0.40% | 0.120% |
| 94 | 13.902 | 3990 | 4000 | 4025 | rVB | 6737369 | 10487418 | 8.34% | 2.524% |
| 95 | 14.230 | 4093 | 4102 | 4113 | rBV | 60066 | 96288 | 0.08% | 0.023% |
| 96 | 14.429 | 4158 | 4164 | 4177 | rVB3 | 61678 | 103802 | 0.08% | 0.025% |
| 97 | 14.815 | 4273 | 4284 | 4295 | rBV | 374646 | 577847 | 0.46% | 0.139% |
| 98 | 14.963 | 4317 | 4330 | 4351 | rBV | 3253554 | 4877084 | 3.88% | 1.174% |
| 99 | 15.503 | 4486 | 4498 | 4511 | rBV | 426748 | 642263 | 0.51% | 0.155% |
| 100 | 15.799 | 4578 | 4590 | 4599 | rBV | 222880 | 349623 | 0.28% | 0.084% |

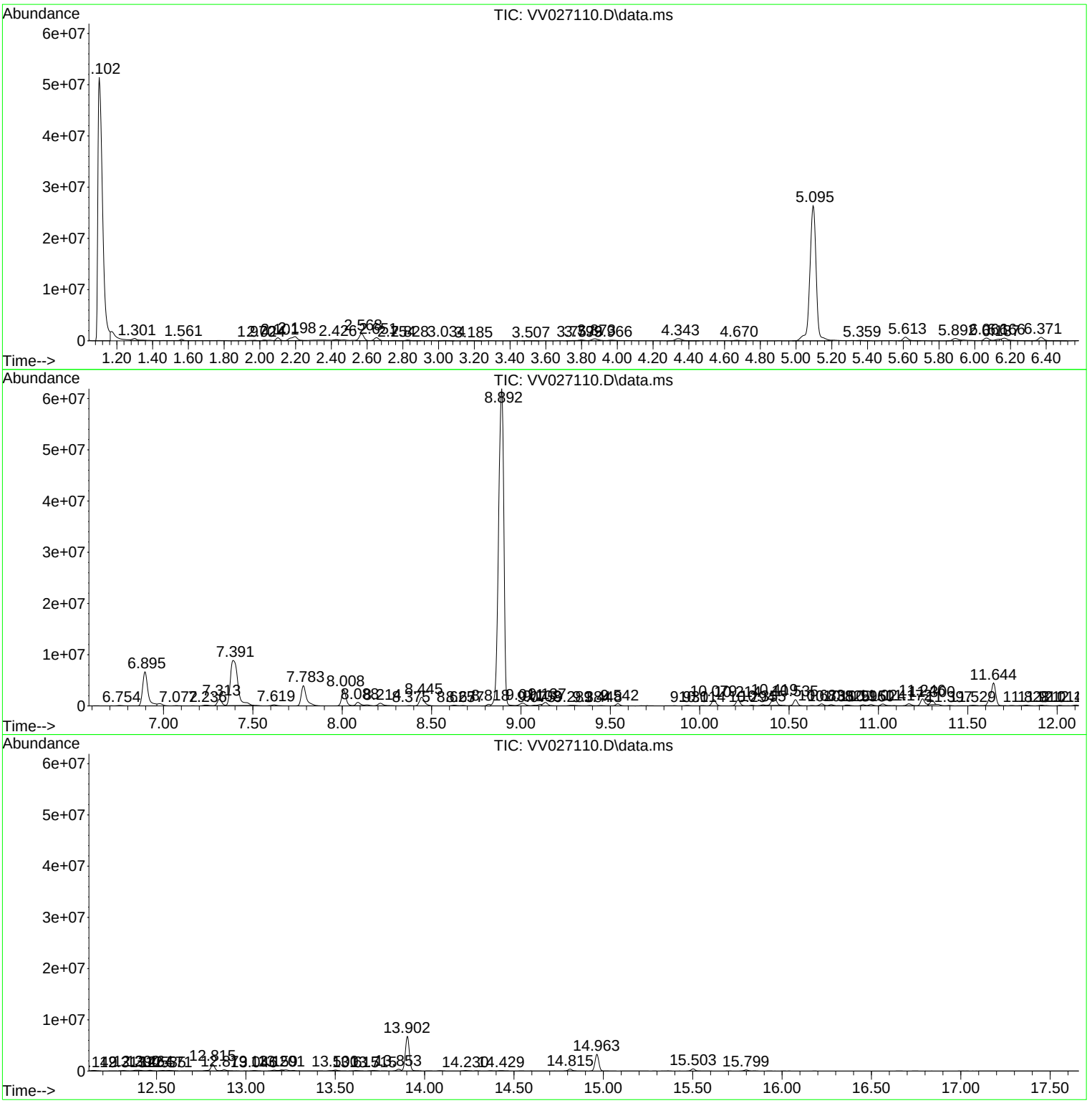
Sum of corrected areas: 415531316

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

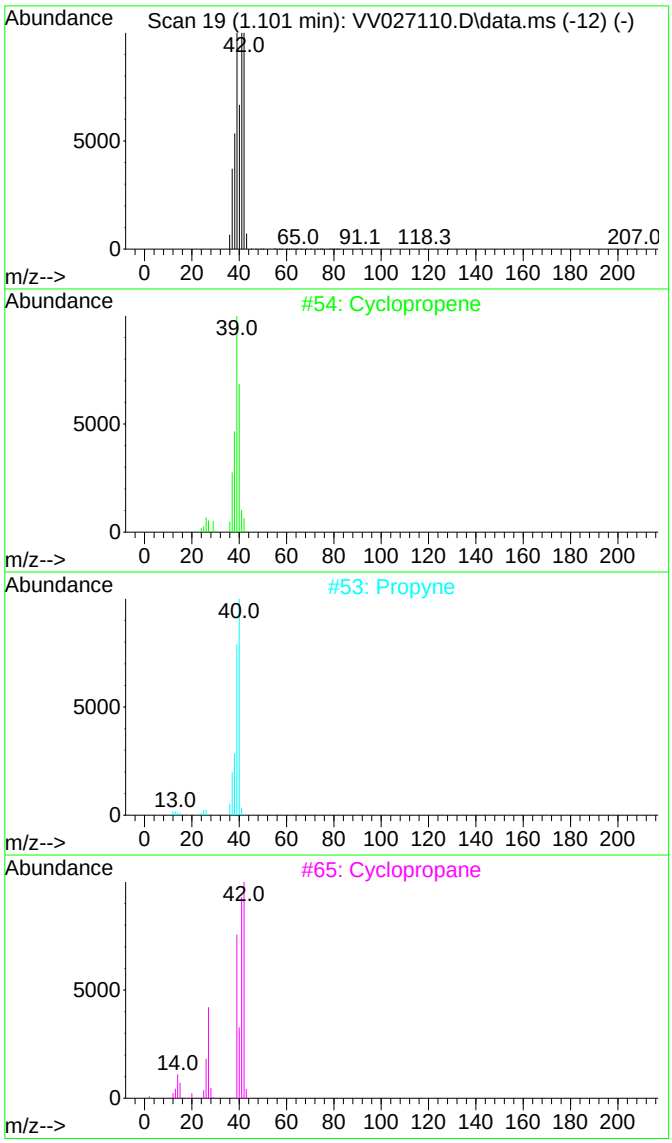
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

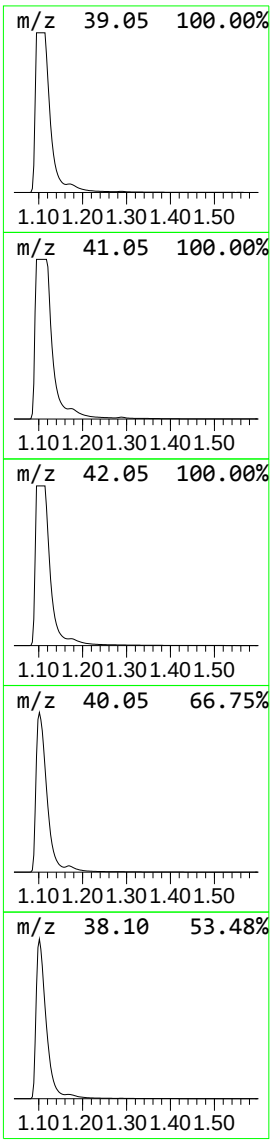
**********

Peak Number 1 Cyclopropene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.101 | 3254.21 ug/L | 92719700 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropene | 40 | C3H4 | 002781-85-3 | 80 |
| 2 | Propyne | 40 | C3H4 | 000074-99-7 | 64 |
| 3 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 38 |
| 4 | Propene | 42 | C3H6 | 000115-07-1 | 9 |
| 5 | Allene | 40 | C3H4 | 000463-49-0 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

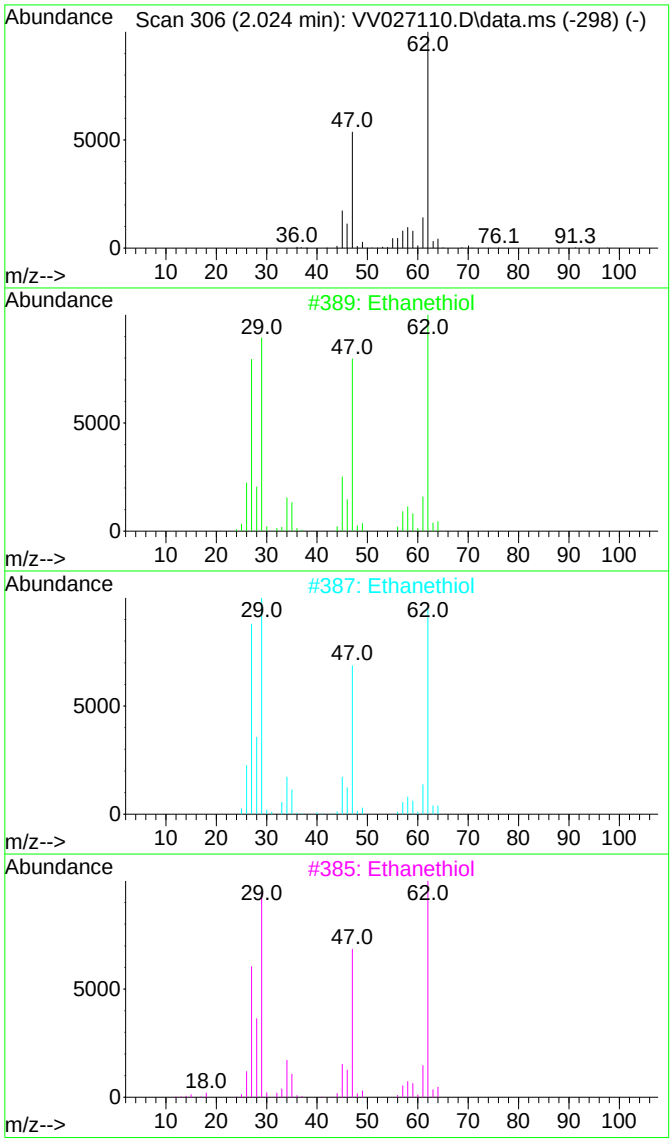
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

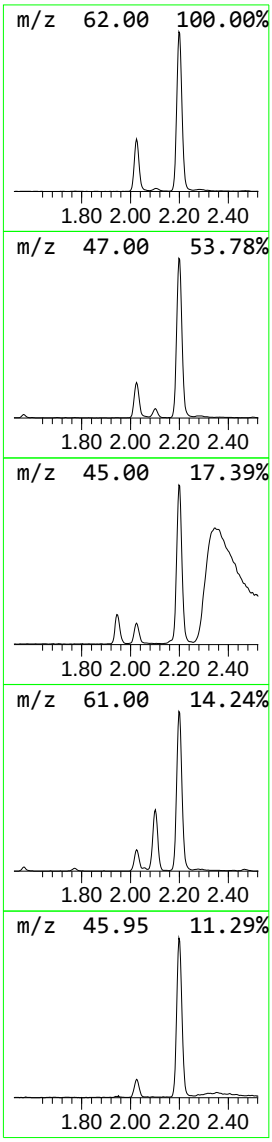
**********

Peak Number 3 Ethanethiol Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.024 | 6.88 ug/L | 196113 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanethiol | 62 | C2H6S | 000075-08-1 | 91 |
| 2 | Ethanethiol | 62 | C2H6S | 000075-08-1 | 91 |
| 3 | Ethanethiol | 62 | C2H6S | 000075-08-1 | 90 |
| 4 | Ethanethiol | 62 | C2H6S | 000075-08-1 | 90 |
| 5 | Ethanethiol | 62 | C2H6S | 000075-08-1 | 83 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

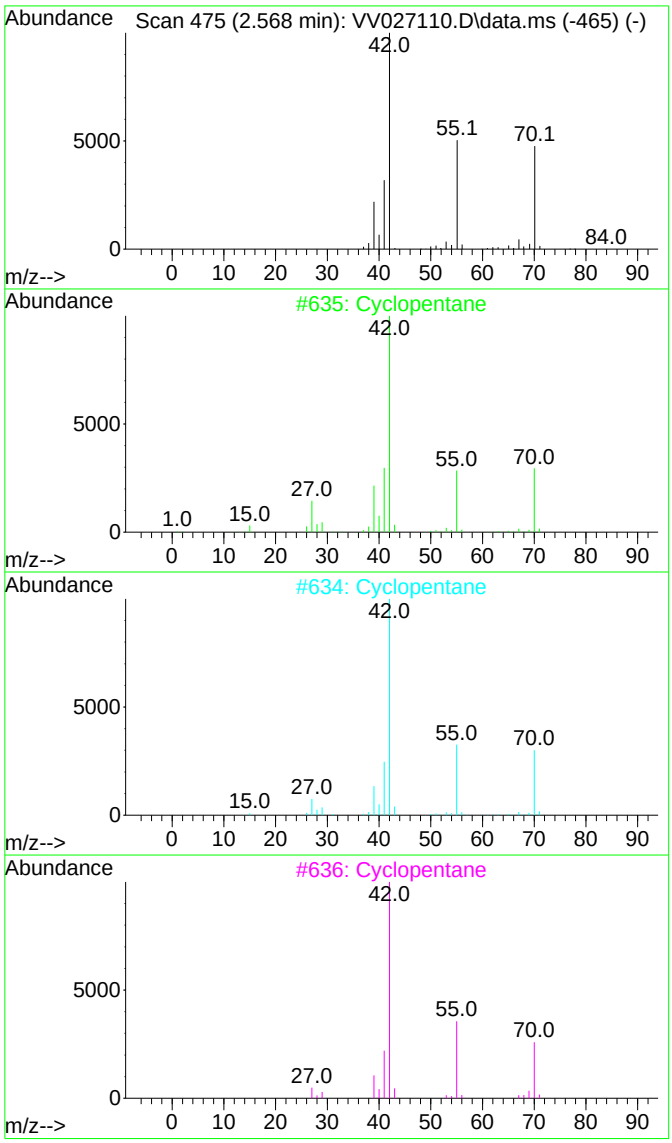
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

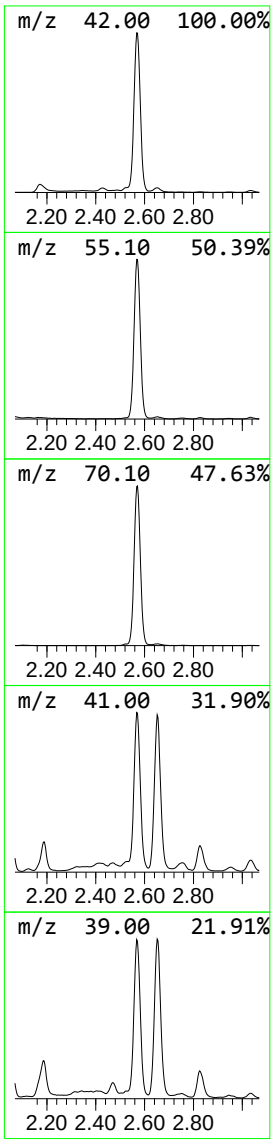
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 (DEL) Alkane: Cyclic2.568 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.568 | 84.24 ug/L | 2400320 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 86 |
| 2 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 78 |
| 3 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 64 |
| 4 | Cyclobutane, methyl- | 70 | C5H10 | 000598-61-8 | 56 |
| 5 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

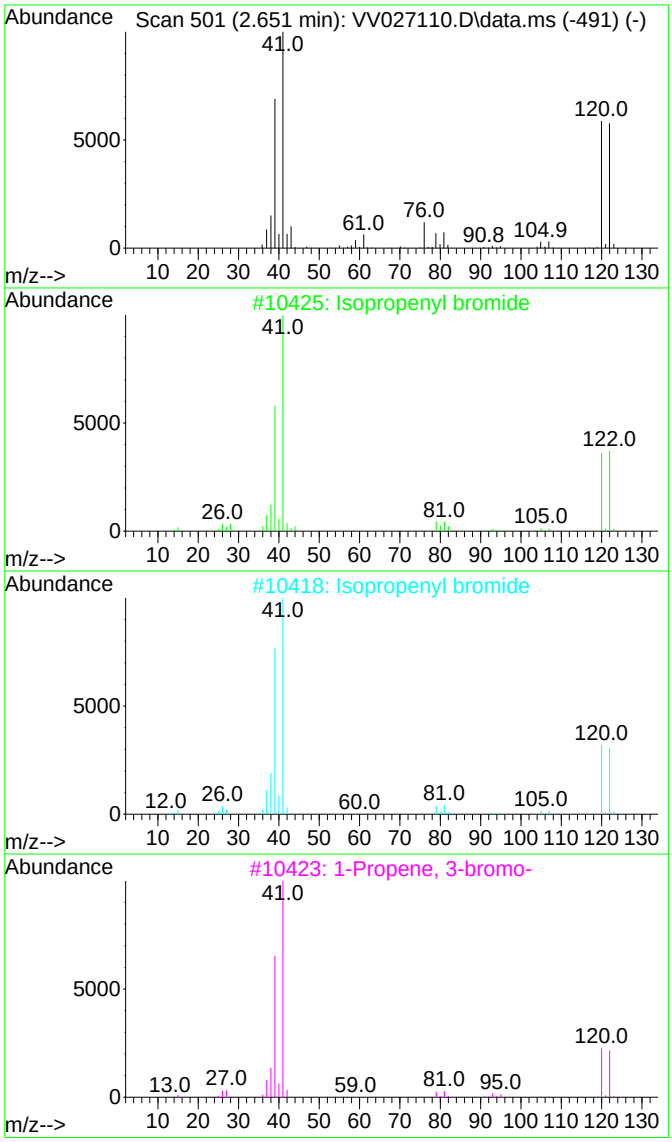
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

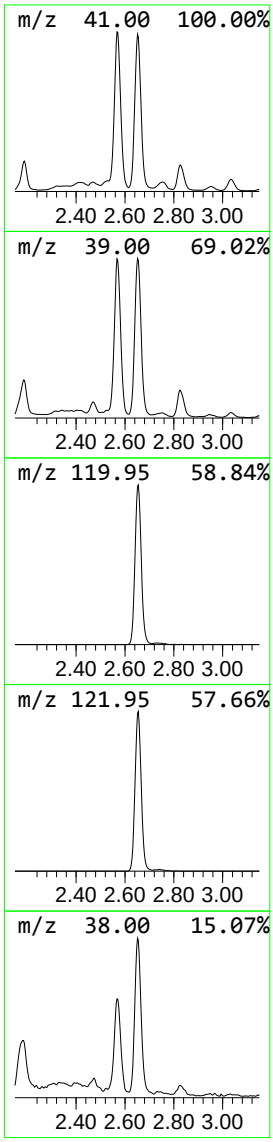
**********

Peak Number 5 Isopropenyl bromide Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.651 | 37.63 ug/L | 1072310 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropenyl bromide | 120 | C3H5Br | 000557-93-7 | 87 |
| 2 | Isopropenyl bromide | 120 | C3H5Br | 000557-93-7 | 87 |
| 3 | 1-Propene, 3-bromo- | 120 | C3H5Br | 000106-95-6 | 87 |
| 4 | Isopropenyl bromide | 120 | C3H5Br | 000557-93-7 | 83 |
| 5 | Cyclopropyl bromide | 120 | C3H5Br | 004333-56-6 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

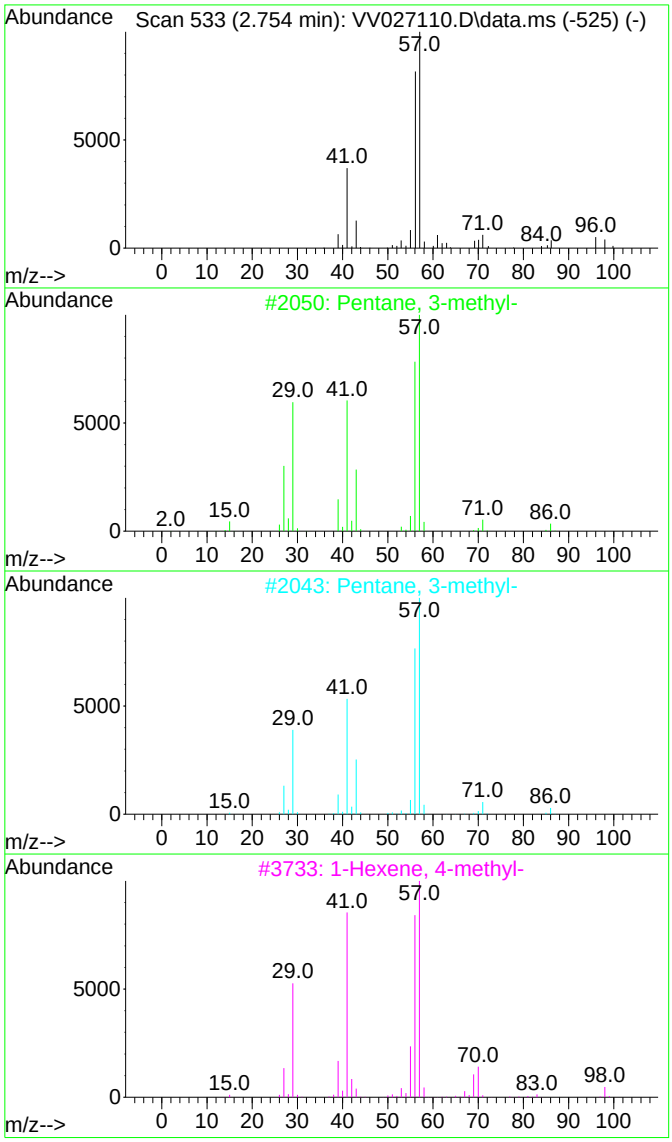
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

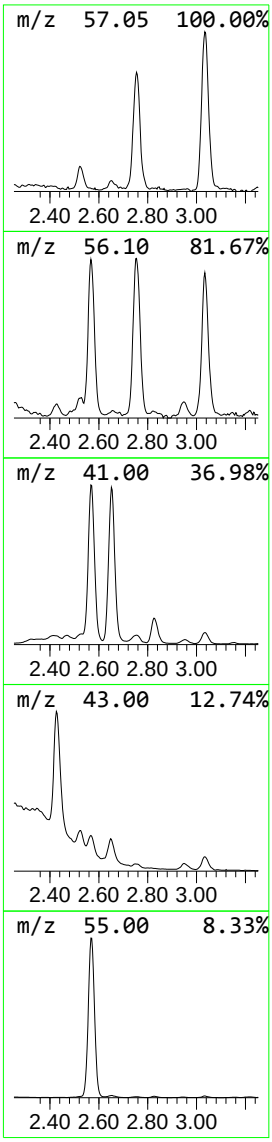
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 41

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.754 | 3.46 ug/L | 98573 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 64 |
| 2 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 56 |
| 3 | 1-Hexene, 4-methyl- | 98 | C7H14 | 003769-23-1 | 45 |
| 4 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 43 |
| 5 | 1-Hexene, 2-methyl- | 98 | C7H14 | 006094-02-6 | 40 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

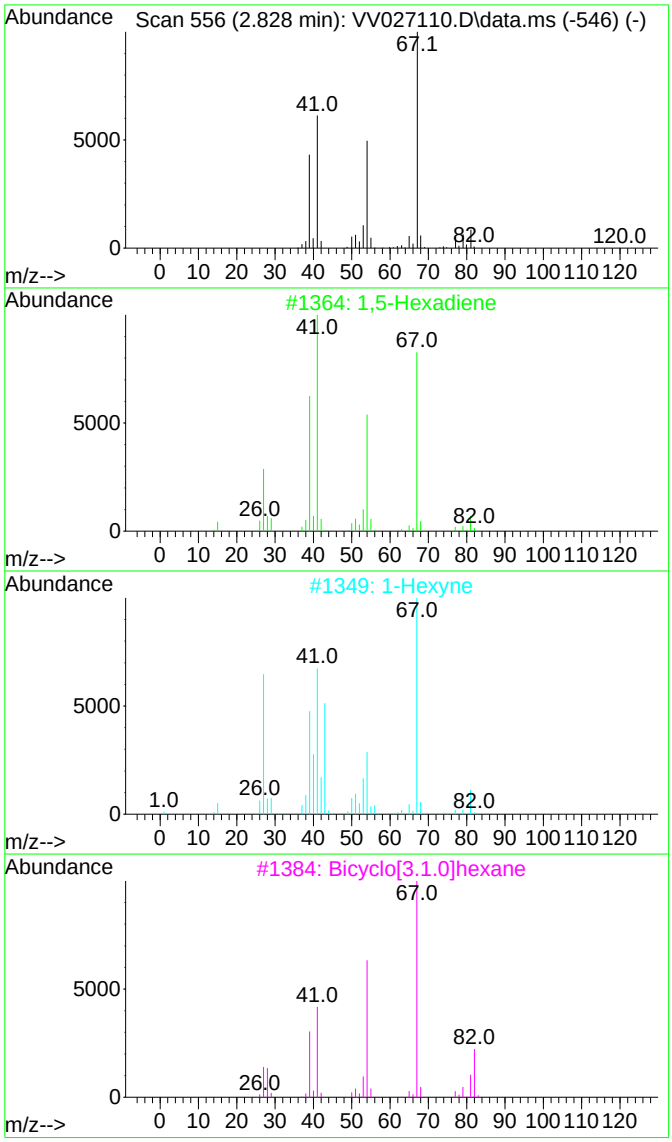
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

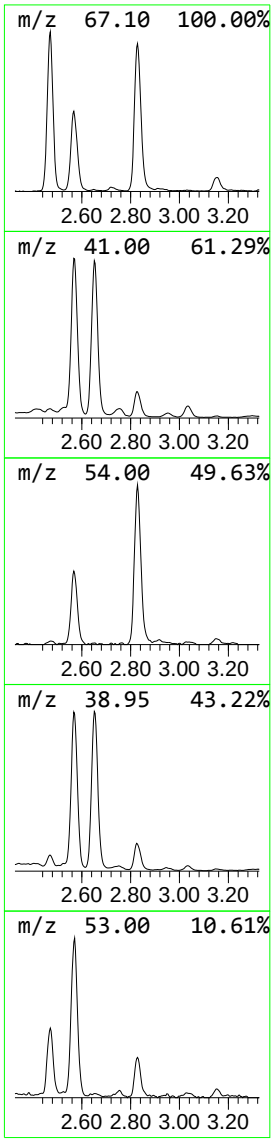
**********

Peak Number 7 1,5-Hexadiene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.828 | 9.08 ug/L | 258571 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,5-Hexadiene | 82 | C6H10 | 000592-42-7 | 78 |
| 2 | 1-Hexyne | 82 | C6H10 | 000693-02-7 | 59 |
| 3 | Bicyclo[3.1.0]hexane | 82 | C6H10 | 000285-58-5 | 59 |
| 4 | Cyclobutane, ethenyl- | 82 | C6H10 | 002597-49-1 | 53 |
| 5 | Palladium, [1,2-ethanediylbis[bi... | 506 | C24H50P2Pd | 138234-16-9 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

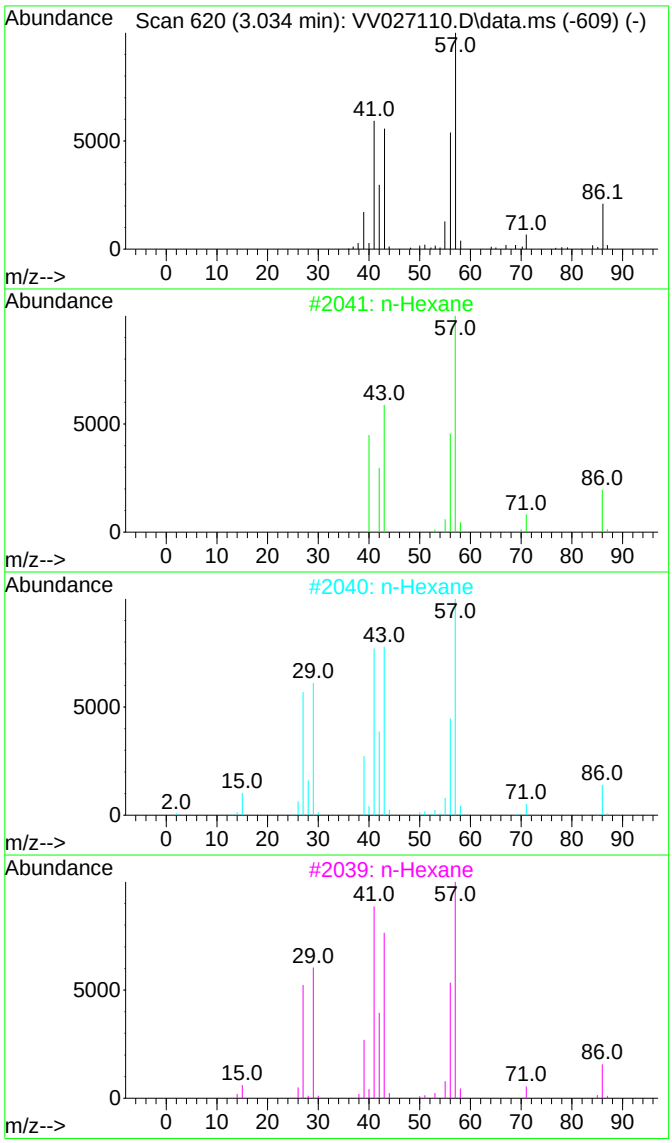
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

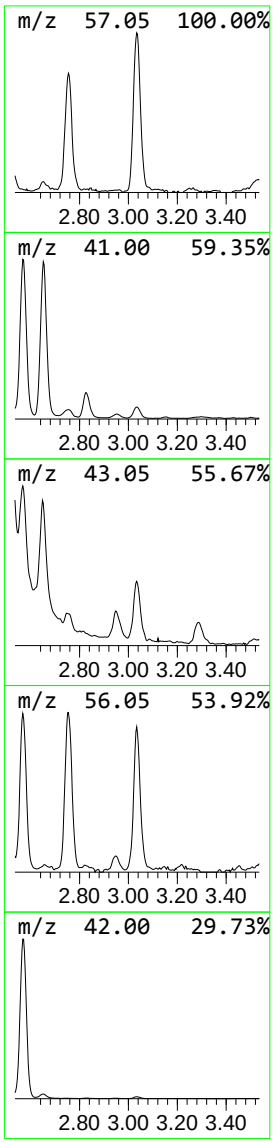
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.034 | 4.82 ug/L | 137282 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 87 |
| 2 | n-Hexane | 86 | C6H14 | 000110-54-3 | 72 |
| 3 | n-Hexane | 86 | C6H14 | 000110-54-3 | 64 |
| 4 | n-Hexane | 86 | C6H14 | 000110-54-3 | 50 |
| 5 | 2-Ethyl-oxetane | 86 | C5H10O | 1010386-40-2 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

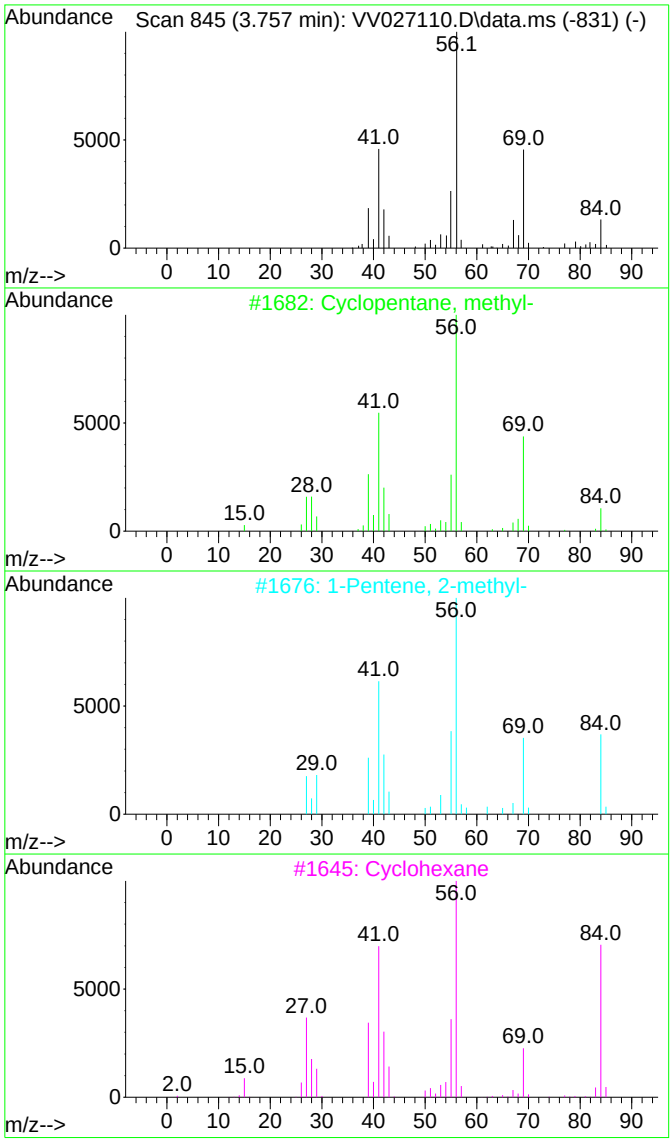
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

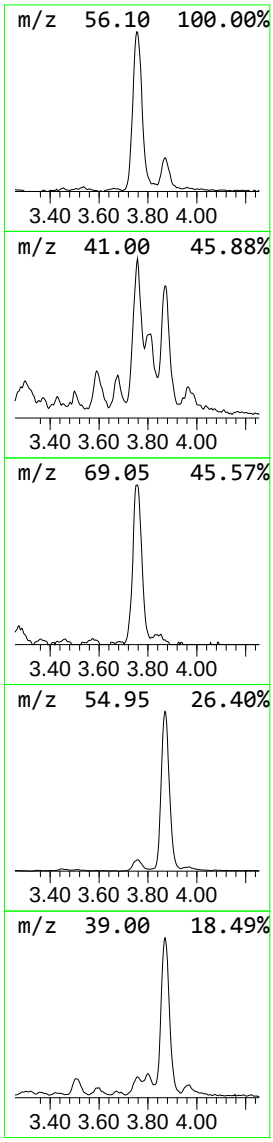
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 (DEL) Alkane: Cyclic3.757 Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.757 | 4.21 ug/L | 119884 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 87 |
| 2 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 74 |
| 3 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 72 |
| 4 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 72 |
| 5 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

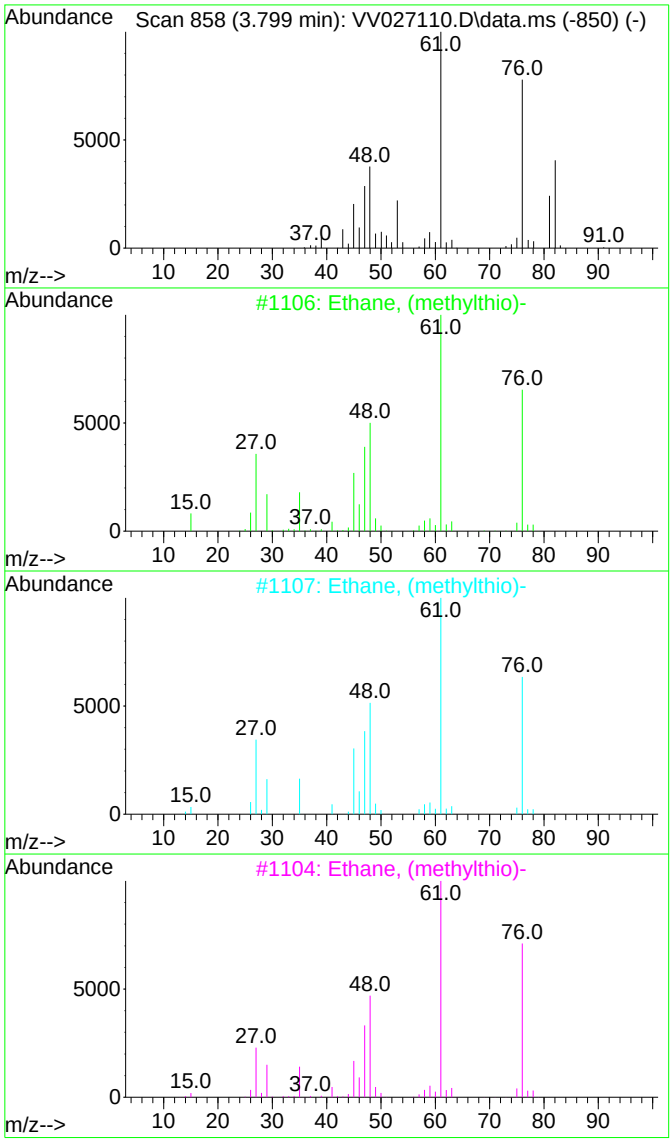
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

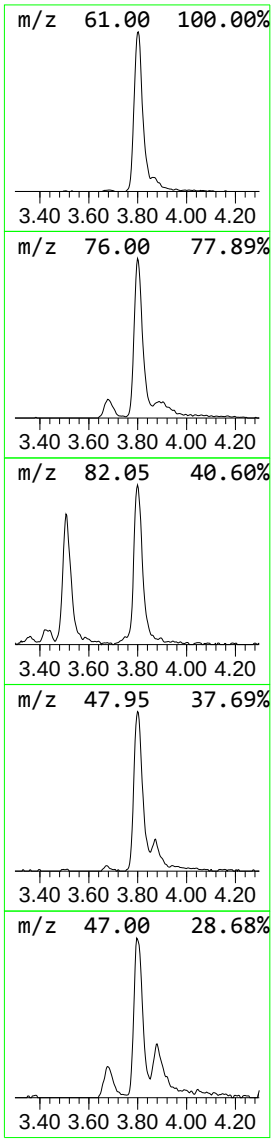
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Ethane, (methylthio)- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.799 | 12.11 ug/L | 344905 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethane, (methylthio)- | 76 | C3H8S | 000624-89-5 | 93 |
| 2 | Ethane, (methylthio)- | 76 | C3H8S | 000624-89-5 | 91 |
| 3 | Ethane, (methylthio)- | 76 | C3H8S | 000624-89-5 | 87 |
| 4 | Ethane, (methylthio)- | 76 | C3H8S | 000624-89-5 | 87 |
| 5 | Trimethylphosphine | 76 | C3H9P | 000594-09-2 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

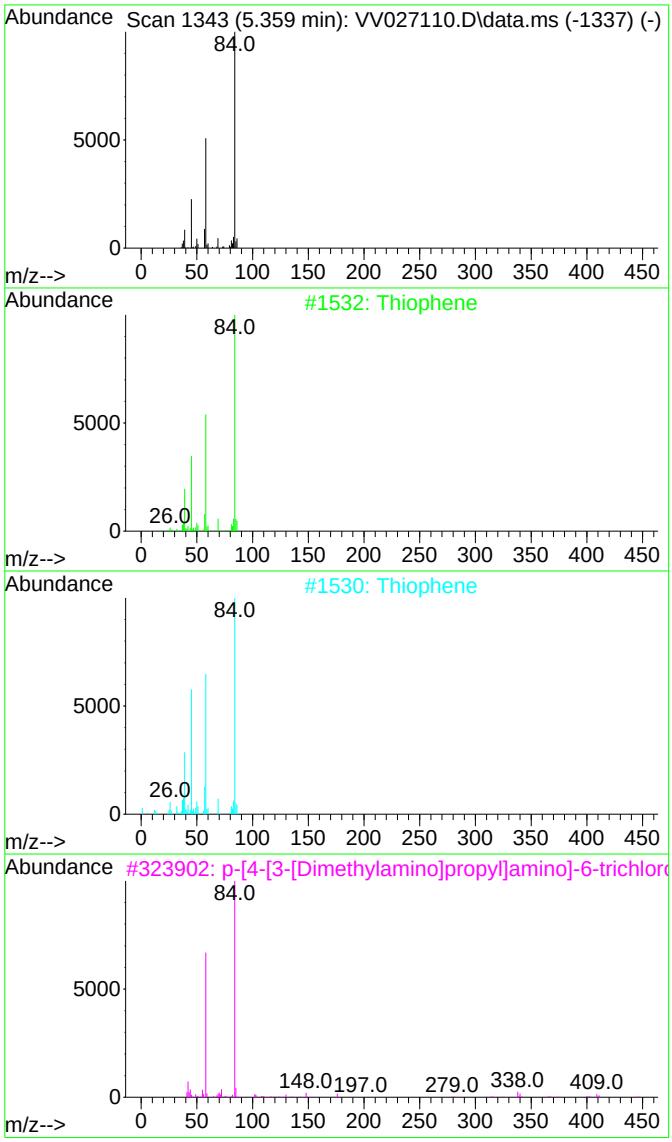
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

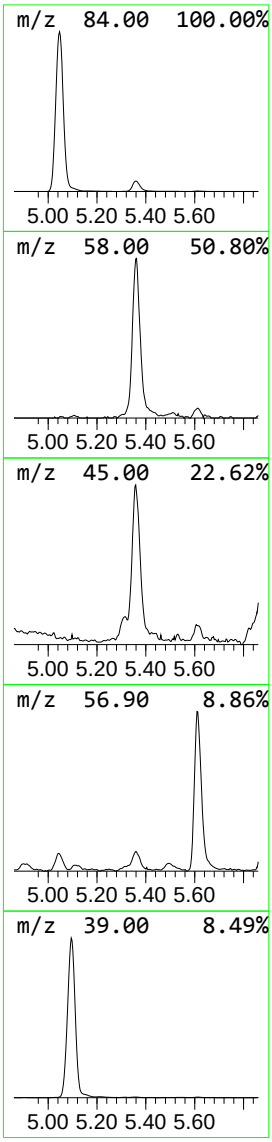
**********

Peak Number 12 Thiophene Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.359 | 5.50 ug/L | 156810 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thiophene | 84 | C4H4S | 000110-02-1 | 72 |
| 2 | Thiophene | 84 | C4H4S | 000110-02-1 | 64 |
| 3 | p-[4-[3-[Dimethylamino]propyl]am... | 445 | C18H22Cl3N5O2 | 1000253-90-0 | 38 |
| 4 | Thiophene | 84 | C4H4S | 000110-02-1 | 37 |
| 5 | 1,2,3-Thiadiazole | 86 | C2H2N2S | 000288-48-2 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

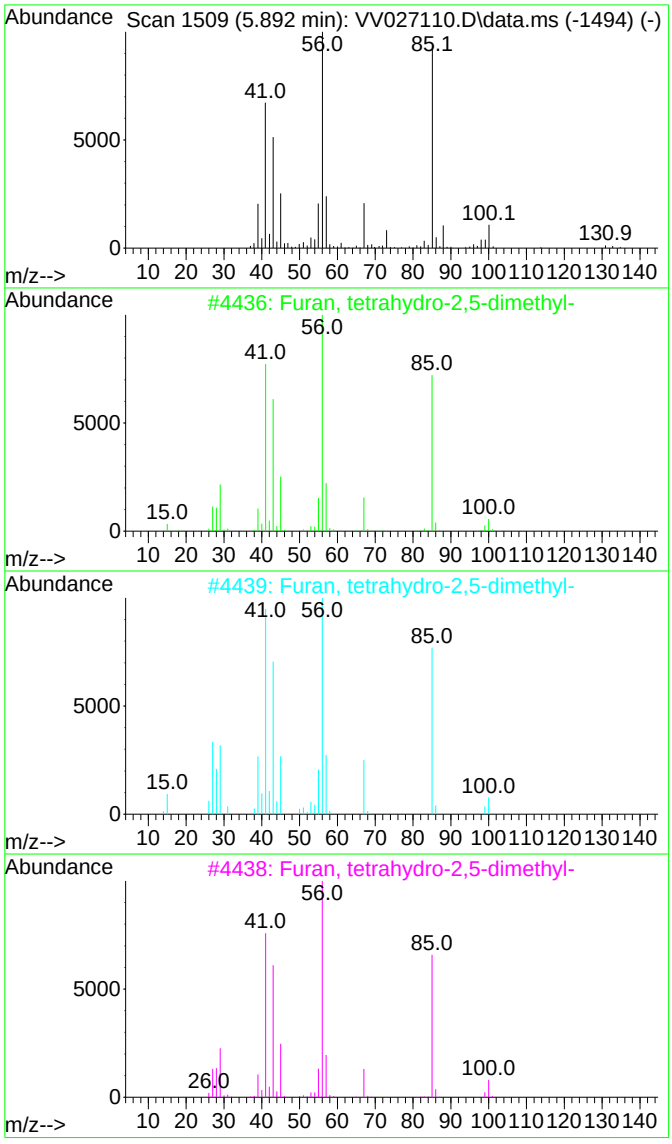
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

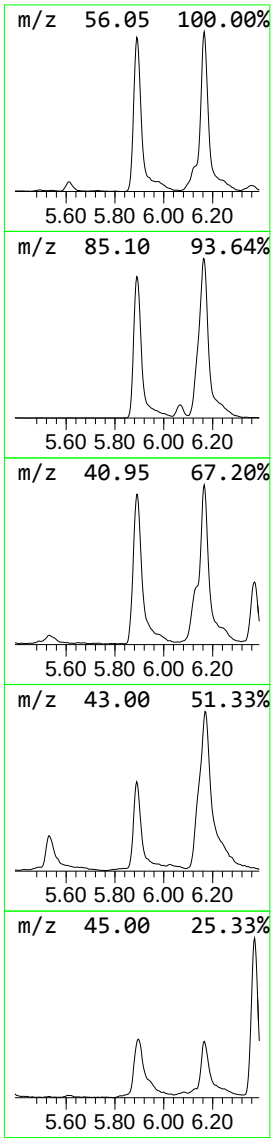
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Furan, tetrahydro-2,5-dimet... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.892 | 38.01 ug/L | 1082860 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 90 |
| 2 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 87 |
| 3 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 83 |
| 4 | Furan, tetrahydro-2,5-dimethyl-,... | 100 | C6H12O | 002144-41-4 | 74 |
| 5 | 2(3H)-Furanone, dihydro-5-methyl- | 100 | C5H8O2 | 000108-29-2 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

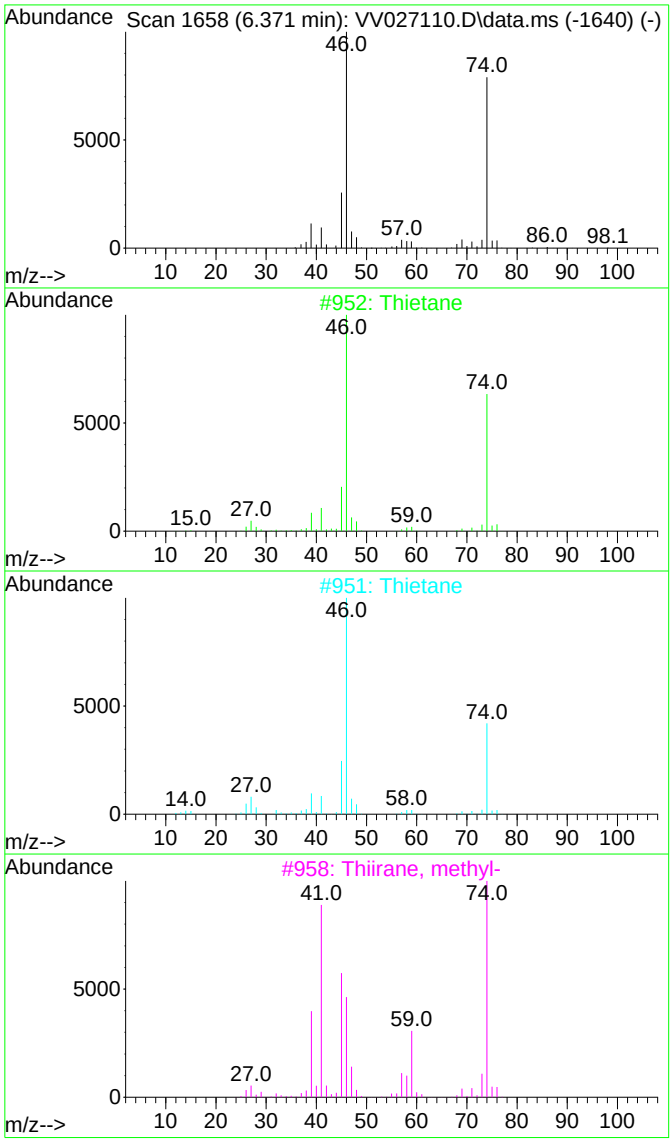
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

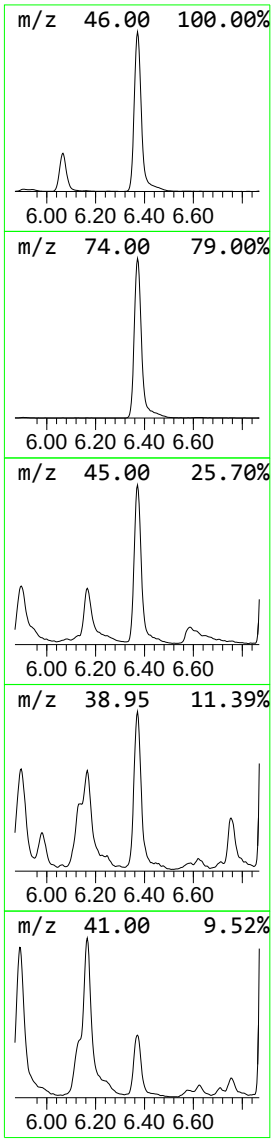
**********

Peak Number 14 Thietane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.371 | 54.94 ug/L | 1565490 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thietane | 74 | C3H6S | 000287-27-4 | 91 |
| 2 | Thietane | 74 | C3H6S | 000287-27-4 | 90 |
| 3 | Thiirane, methyl- | 74 | C3H6S | 001072-43-1 | 9 |
| 4 | Nitroisobutanetriol trinitrate | 286 | C4H6N4O11 | 020820-44-4 | 9 |
| 5 | Diethylhydroxylamine | 89 | C4H11NO | 003710-84-7 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

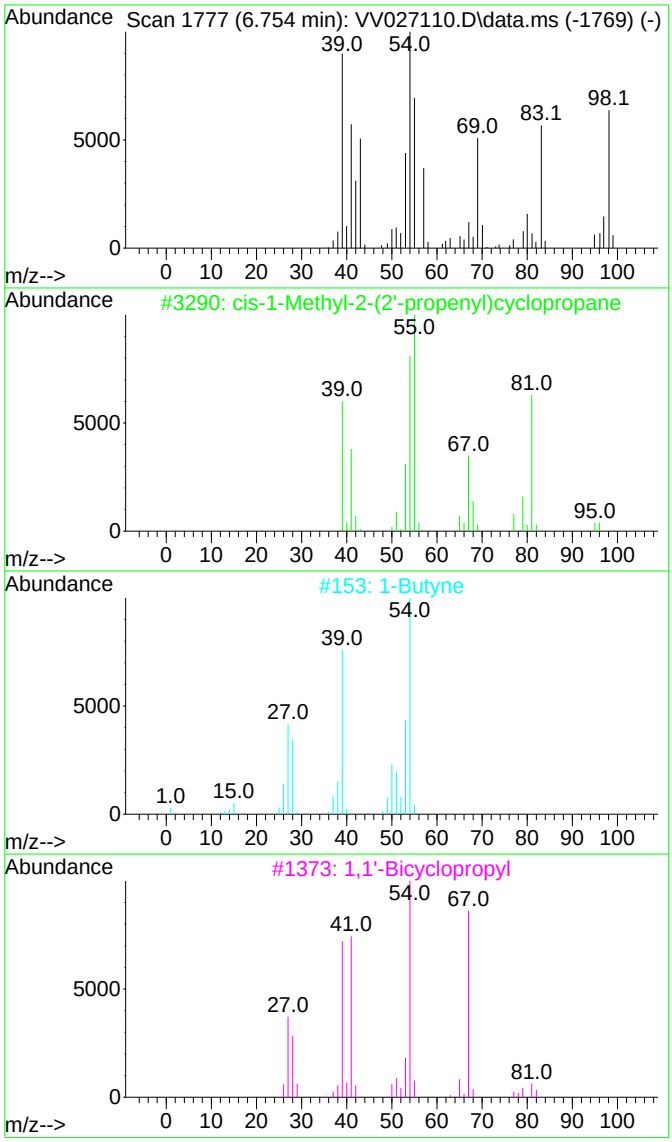
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

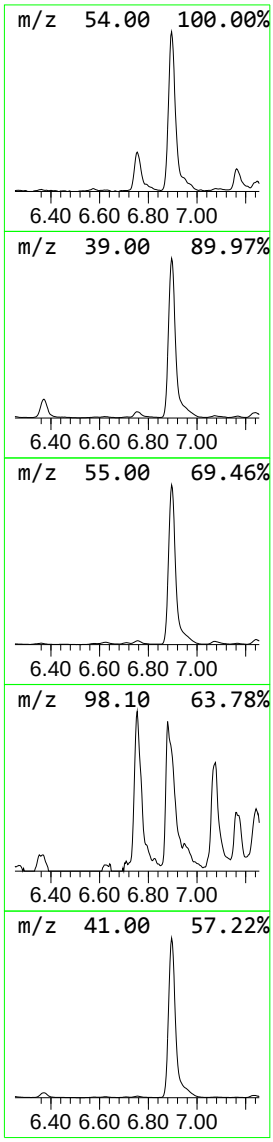
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 cis-1-Methyl-2-(2'-propenyl... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.754 | 6.30 ug/L | 179639 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | cis-1-Methyl-2-(2'-propenyl)cycl... | 96 | C7H12 | 076588-97-1 | 72 |
| 2 | 1-Butyne | 54 | C4H6 | 000107-00-6 | 72 |
| 3 | 1,1'-Bicyclopropyl | 82 | C6H10 | 005685-46-1 | 53 |
| 4 | Cyclobutene | 54 | C4H6 | 000822-35-5 | 43 |
| 5 | 1,3-Butadiene | 54 | C4H6 | 000106-99-0 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

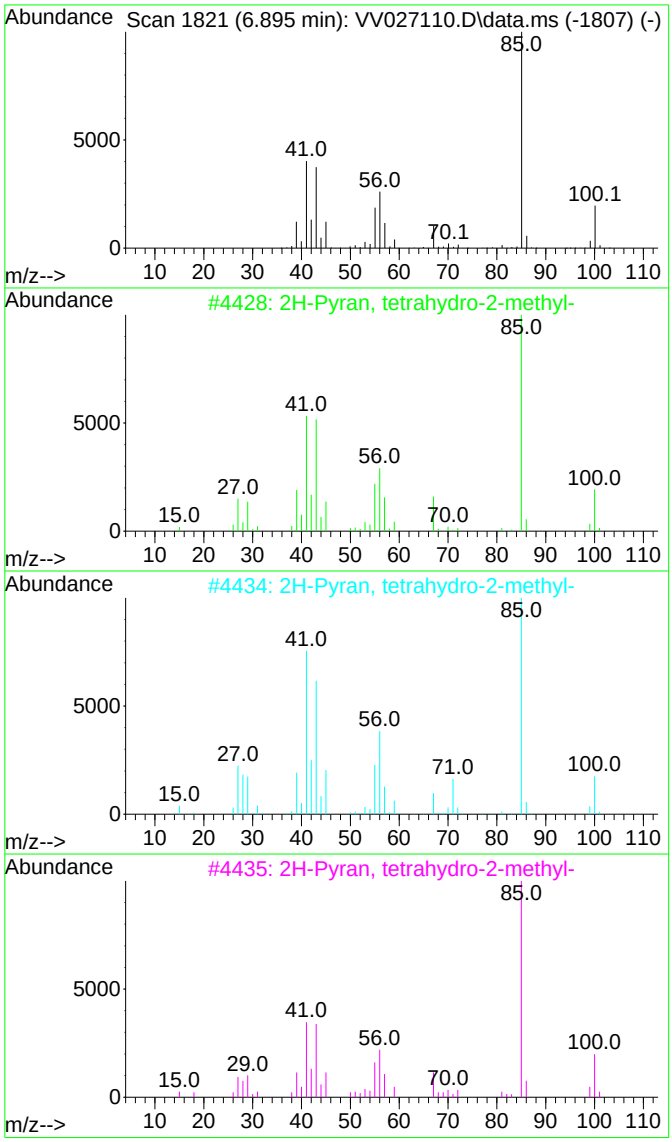
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

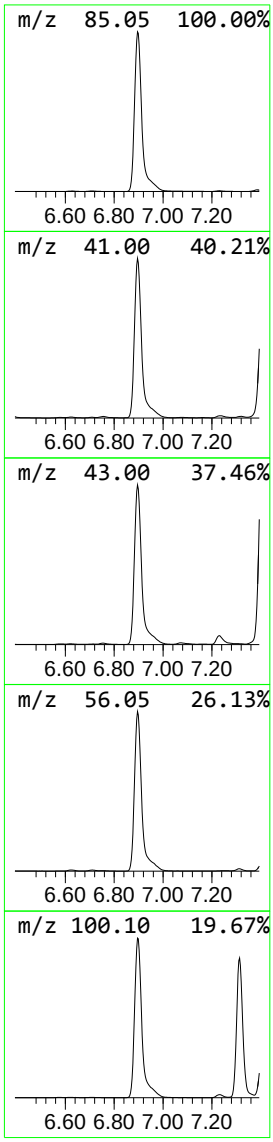
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.895 | 479.51 ug/L | 13662200 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 91 |
| 2 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 91 |
| 3 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 87 |
| 4 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 78 |
| 5 | Furan, tetrahydro-2,4-dimethyl-,... | 100 | C6H12O | 039168-01-9 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

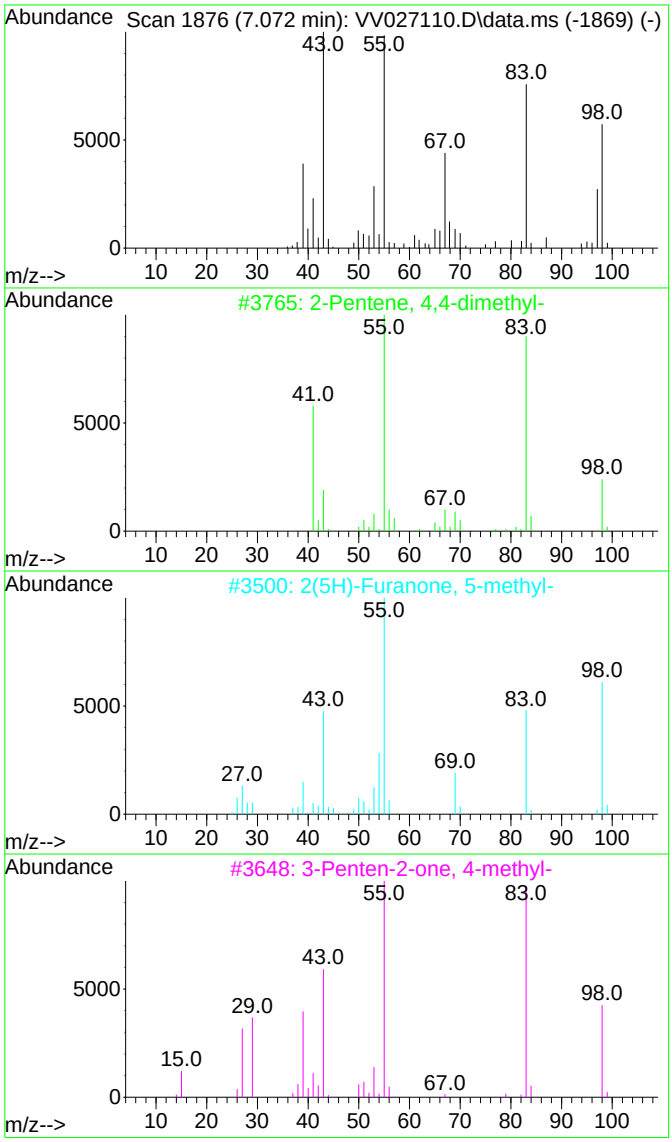
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

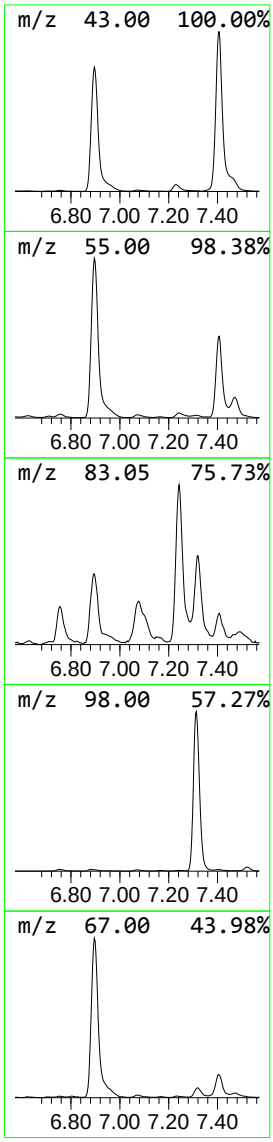
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.072 | 3.87 ug/L | 110321 | 1,4-Difluorobenzene | 5.613 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentene, 4,4-dimethyl- | 98 | C7H14 | 026232-98-4 | 47 |
| 2 | 2(5H)-Furanone, 5-methyl- | 98 | C5H6O2 | 000591-11-7 | 43 |
| 3 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 38 |
| 4 | 2H-Pyran, 3,4-dihydro-6-methyl- | 98 | C6H10O | 016015-11-5 | 35 |
| 5 | 2-Pentanone, 3-methylene- | 98 | C6H10O | 004359-77-7 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

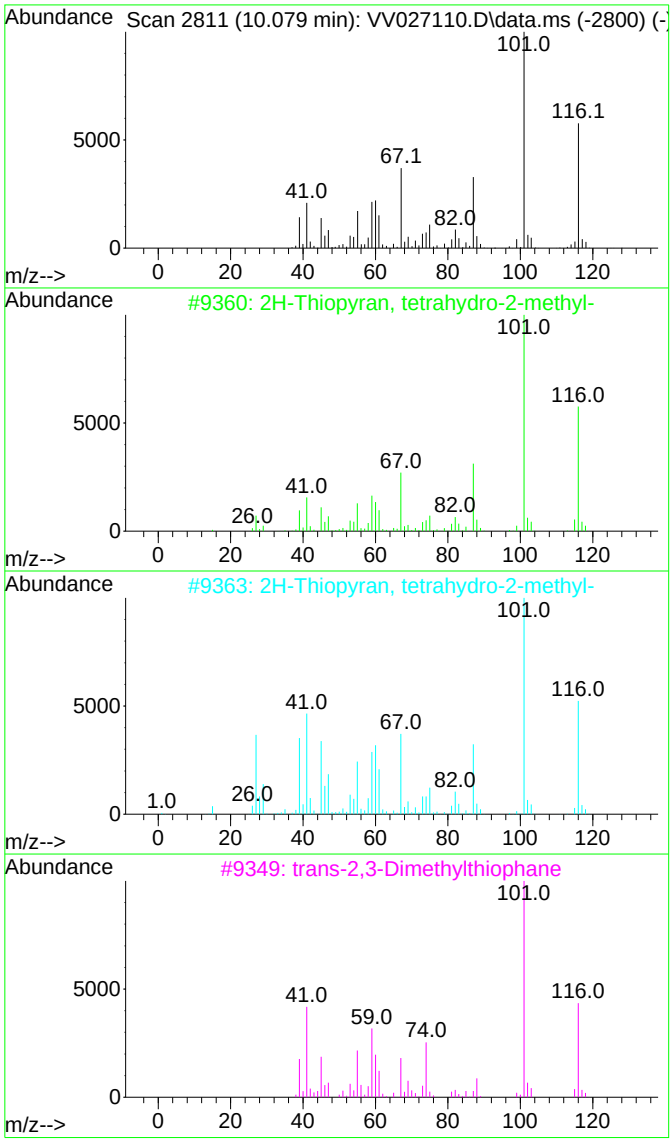
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

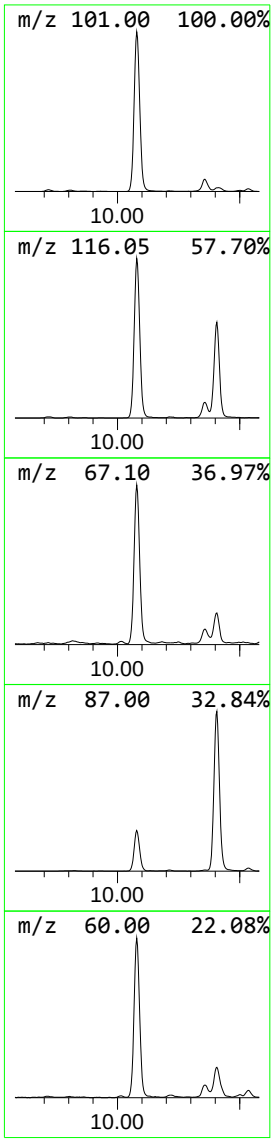
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 2H-Thiopyran, tetrahydro-2-... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.079 | 43.10 ug/L | 1963960 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Thiopyran, tetrahydro-2-methyl- | 116 | C6H12S | 005161-16-0 | 96 |
| 2 | 2H-Thiopyran, tetrahydro-2-methyl- | 116 | C6H12S | 005161-16-0 | 95 |
| 3 | trans-2,3-Dimethylthiophane | 116 | C6H12S | 005161-78-4 | 90 |
| 4 | cis-2,3-Dimethylthiophane | 116 | C6H12S | 005161-77-3 | 83 |
| 5 | cis-2,3-Dimethylthiophane | 116 | C6H12S | 005161-77-3 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

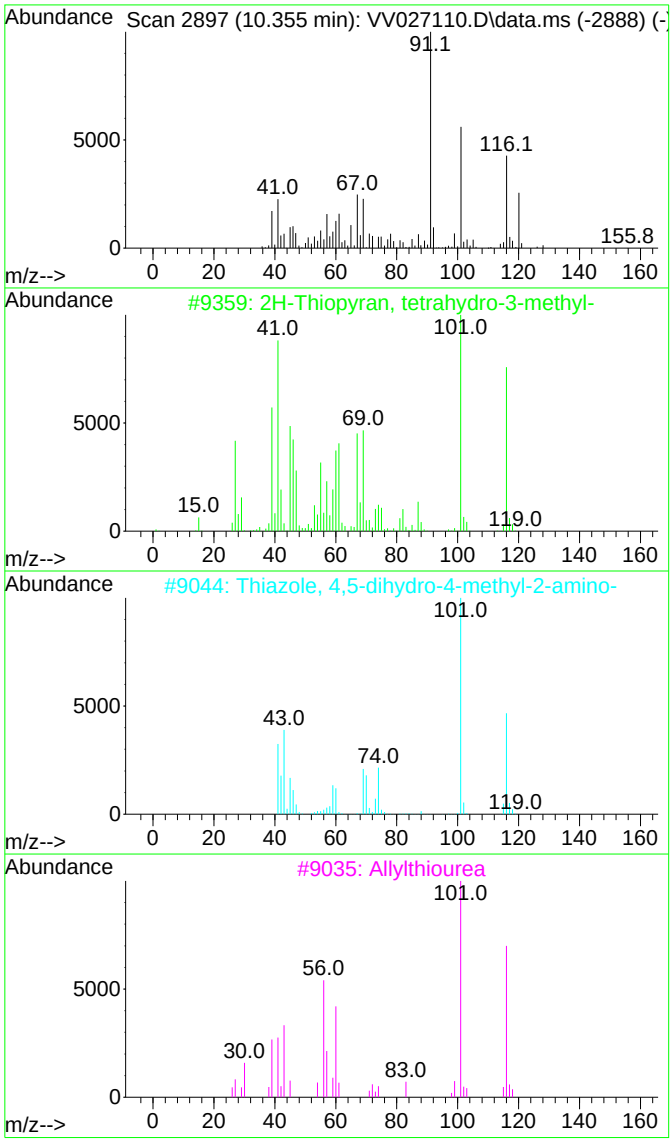
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

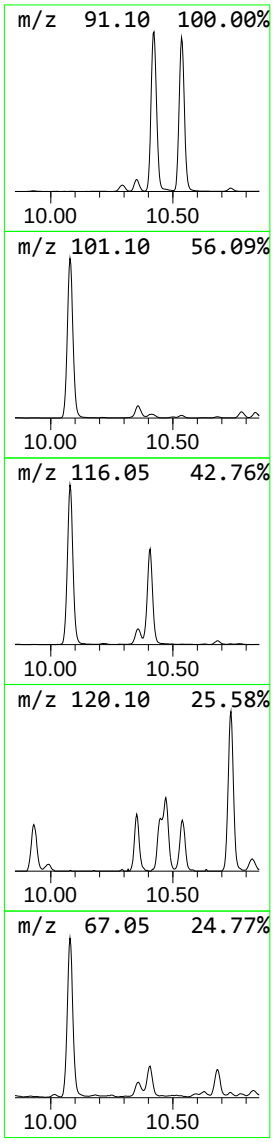
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 2H-Thiopyran, tetrahydro-3-... Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.355 | 6.59 ug/L | 300132 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Thiopyran, tetrahydro-3-methyl- | 116 | C6H12S | 005258-50-4 | 64 |
| 2 | Thiazole, 4,5-dihydro-4-methyl-2... | 116 | C4H8N2S | 010416-81-6 | 43 |
| 3 | Allylthiourea | 116 | C4H8N2S | 000109-57-9 | 41 |
| 4 | 1,3,4-Thiadiazol-2-amine | 101 | C2H3N3S | 004005-51-0 | 25 |
| 5 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

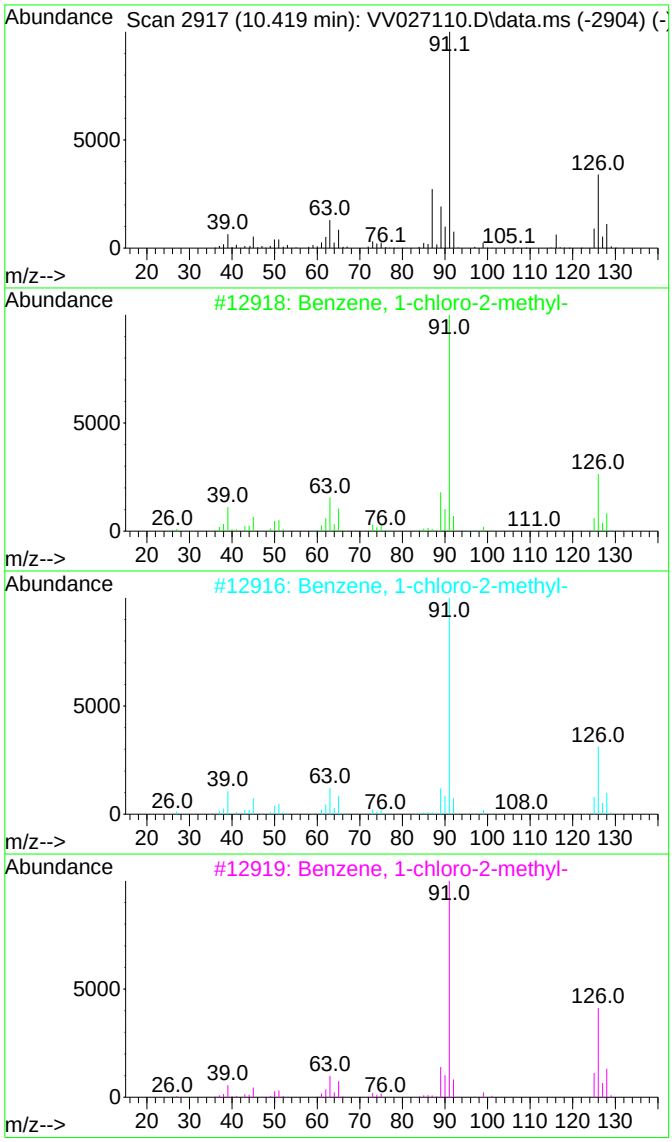
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

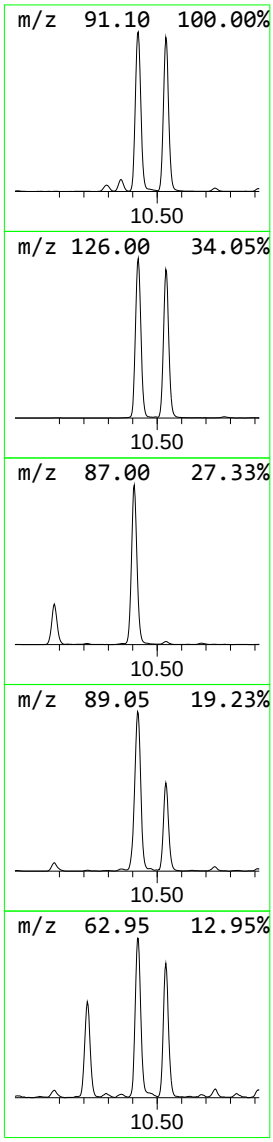
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 Benzene, 1-chloro-2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.419 | 63.01 ug/L | 2871440 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 95 |
| 2 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 93 |
| 3 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 93 |
| 4 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 92 |
| 5 | Benzene, 1-chloro-3-methyl- | 126 | C7H7Cl | 000108-41-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

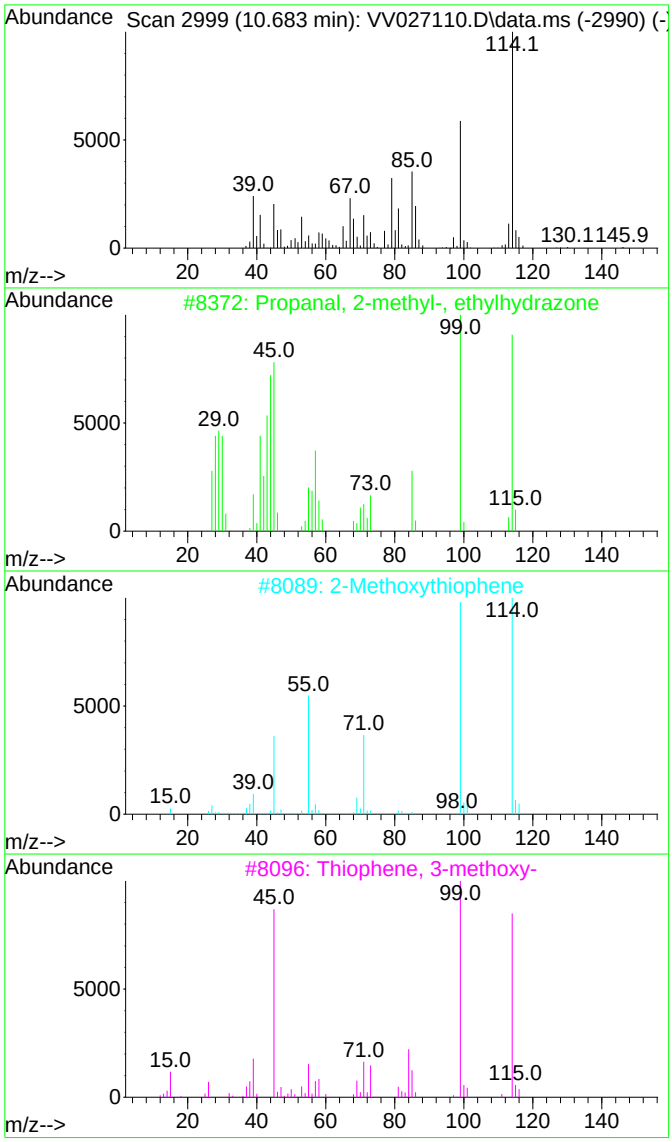
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

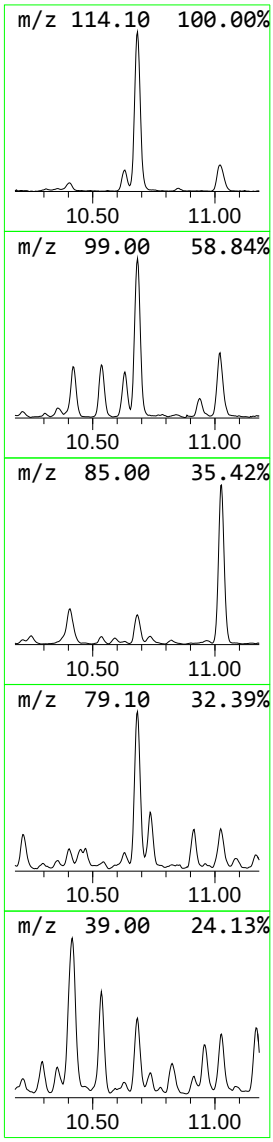
**********

Peak Number 23 unknown-01 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.683 | 12.58 ug/L | 573413 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanal, 2-methyl-, ethylhydrazone | 114 | C6H14N2 | 020607-77-6 | 47 |
| 2 | 2-Methoxythiophene | 114 | C5H6OS | 016839-97-7 | 47 |
| 3 | Thiophene, 3-methoxy- | 114 | C5H6OS | 017573-92-1 | 47 |
| 4 | 2-Methyl-3-furanthiol | 114 | C5H6OS | 028588-74-1 | 46 |
| 5 | 2-Thiazolamine, 4-methyl- | 114 | C4H6N2S | 001603-91-4 | 41 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

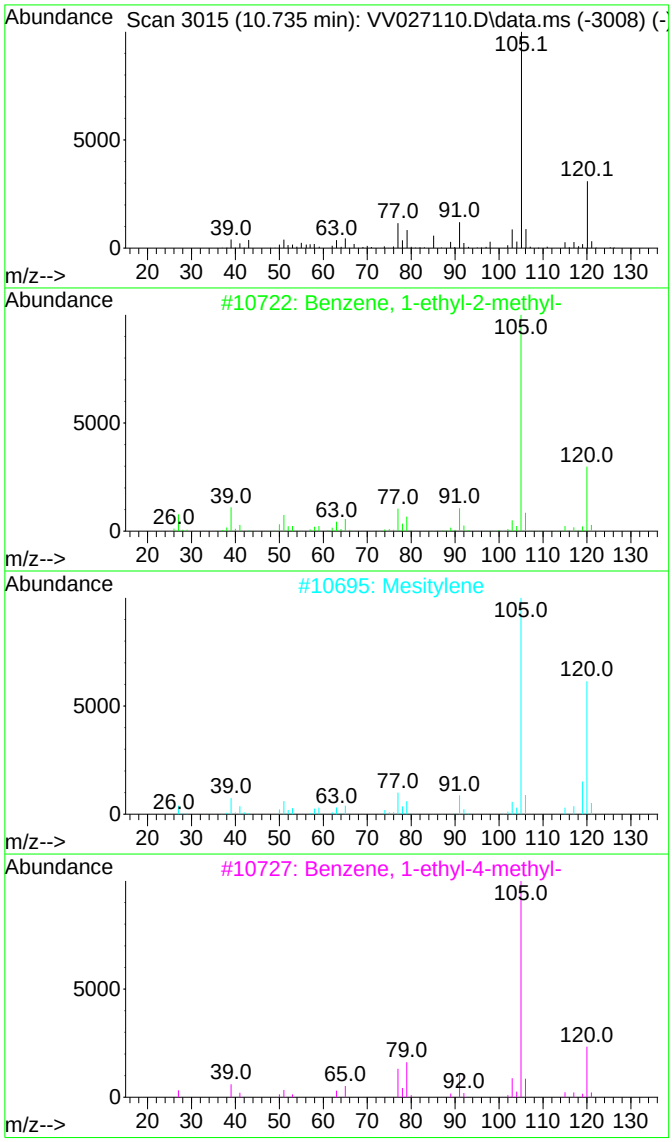
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

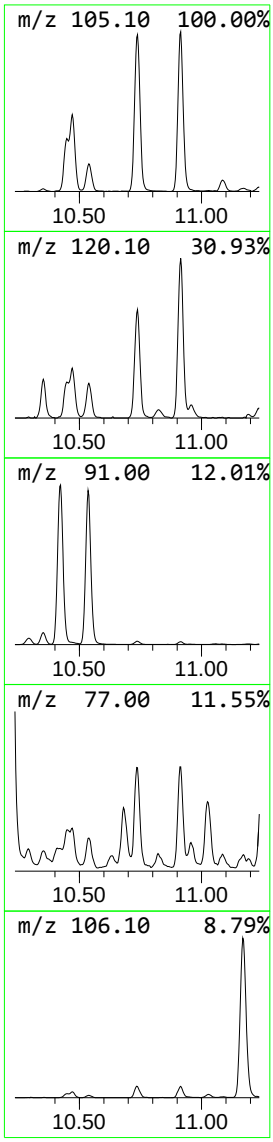
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 Benzene, 1-ethyl-2-methyl- Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.735 | 6.19 ug/L | 281862 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 93 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 90 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 90 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

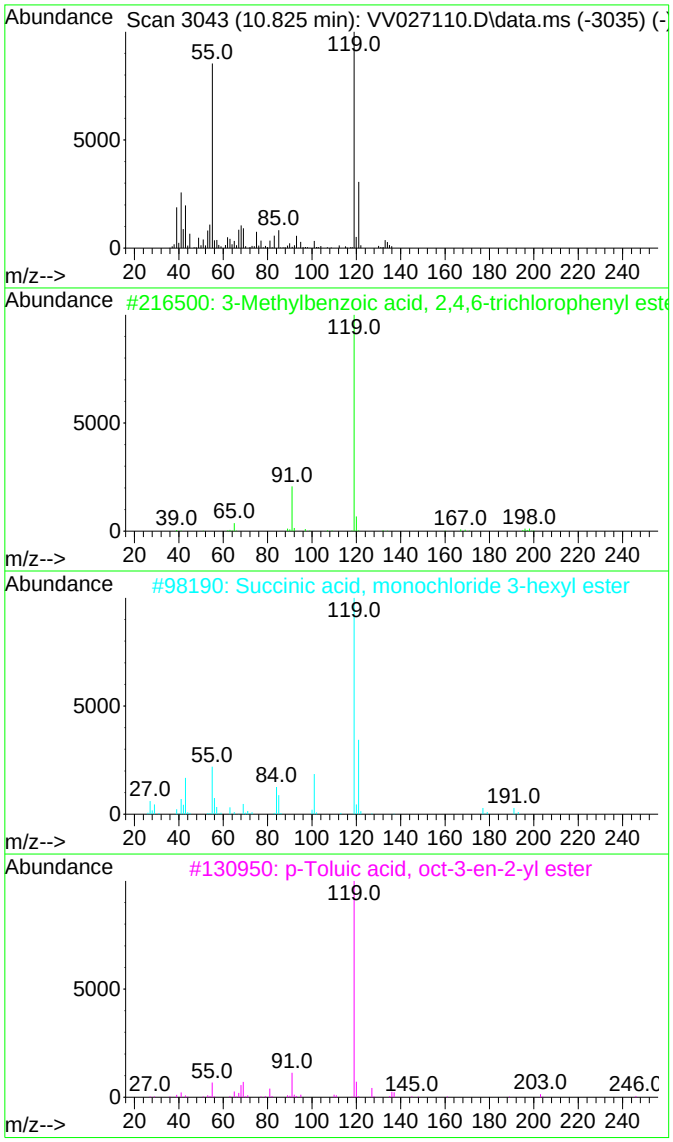
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

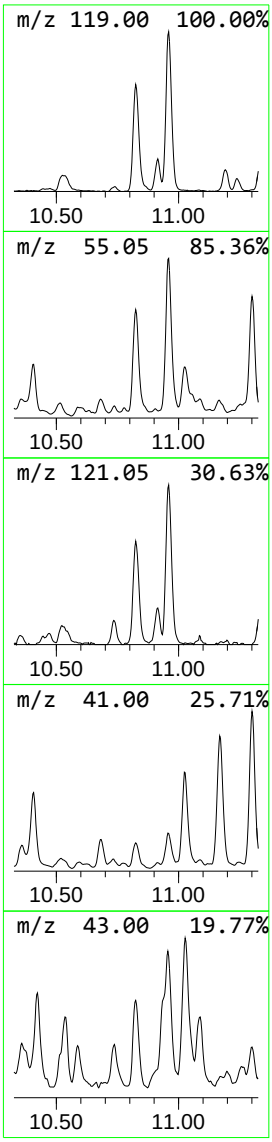
**********

Peak Number 25 unknown-02 Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.825 | 6.87 ug/L | 313257 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Methylbenzoic acid, 2,4,6-tric... | 314 | C14H9Cl3O2 | 1000325-71-4 | 43 |
| 2 | Succinic acid, monochloride 3-he... | 220 | C10H17ClO3 | 1010349-46-1 | 36 |
| 3 | p-Toluic acid, oct-3-en-2-yl ester | 246 | C16H22O2 | 1000292-50-5 | 36 |
| 4 | m-Toluic acid, oct-3-en-2-yl ester | 246 | C16H22O2 | 1000292-61-2 | 33 |
| 5 | 1,3-Dithiolane, 2-benzyl-2-methyl- | 210 | C11H14S2 | 020137-72-8 | 28 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

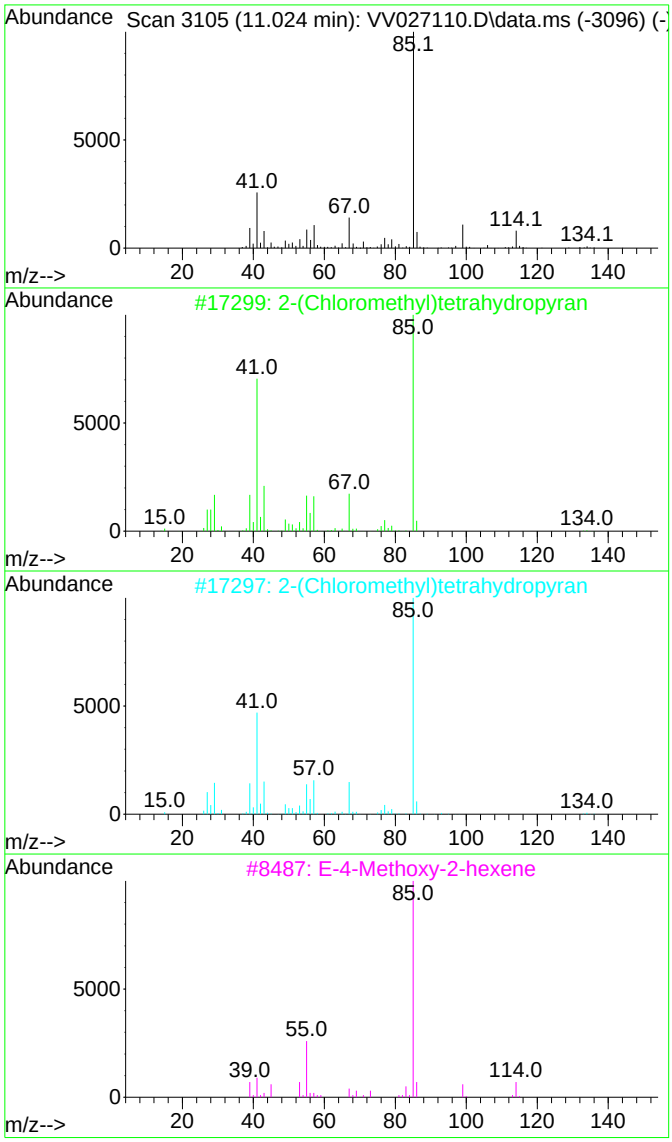
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

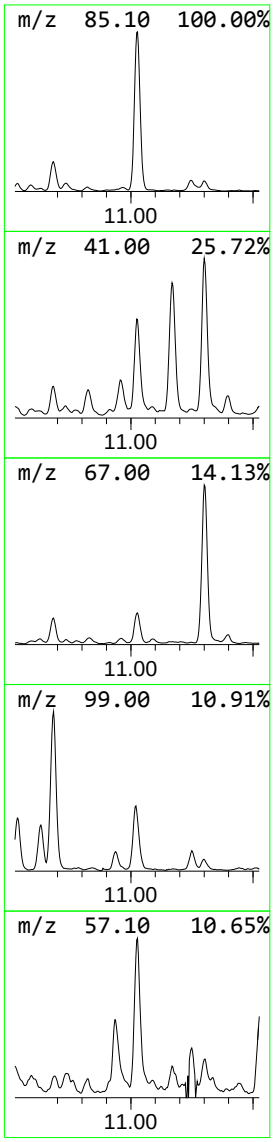
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 26 2-(Chloromethyl)tetrahydrop... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.024 | 14.07 ug/L | 641068 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-(Chloromethyl)tetrahydropyran | 134 | C6H11ClO | 018420-41-2 | 72 |
| 2 | 2-(Chloromethyl)tetrahydropyran | 134 | C6H11ClO | 018420-41-2 | 64 |
| 3 | E-4-Methoxy-2-hexene | 114 | C7H14O | 1000279-61-2 | 64 |
| 4 | 2-Ethyl-tetrahydropyran | 114 | C7H14O | 1000386-40-1 | 64 |
| 5 | 5-Hydroxypentanal | 102 | C5H10O2 | 004221-03-8 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

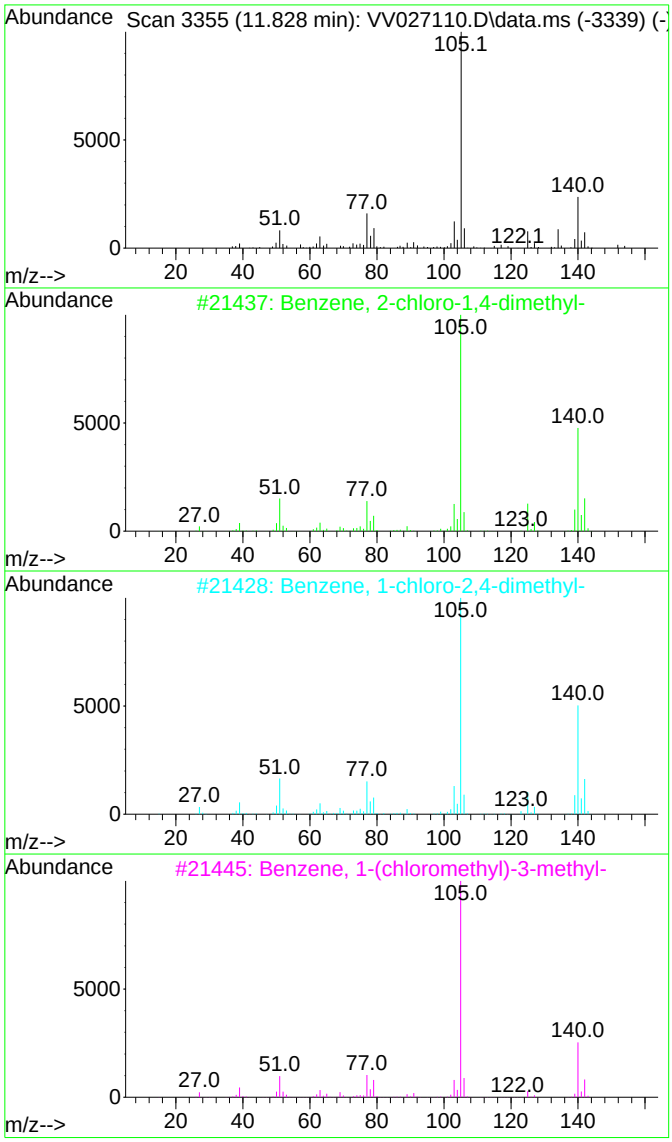
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

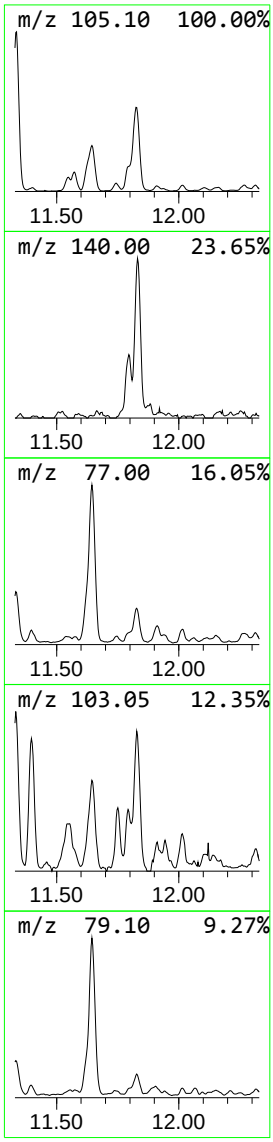
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 Benzene, 2-chloro-1,4-dimet... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.828 | 6.45 ug/L | 293969 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-chloro-1,4-dimethyl- | 140 | C8H9Cl | 000095-72-7 | 91 |
| 2 | Benzene, 1-chloro-2,4-dimethyl- | 140 | C8H9Cl | 000095-66-9 | 91 |
| 3 | Benzene, 1-(chloromethyl)-3-methyl- | 140 | C8H9Cl | 000620-19-9 | 87 |
| 4 | Benzene, 1-(chloromethyl)-4-methyl- | 140 | C8H9Cl | 000104-82-5 | 83 |
| 5 | Benzene, 1-(chloromethyl)-3-methyl- | 140 | C8H9Cl | 000620-19-9 | 81 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

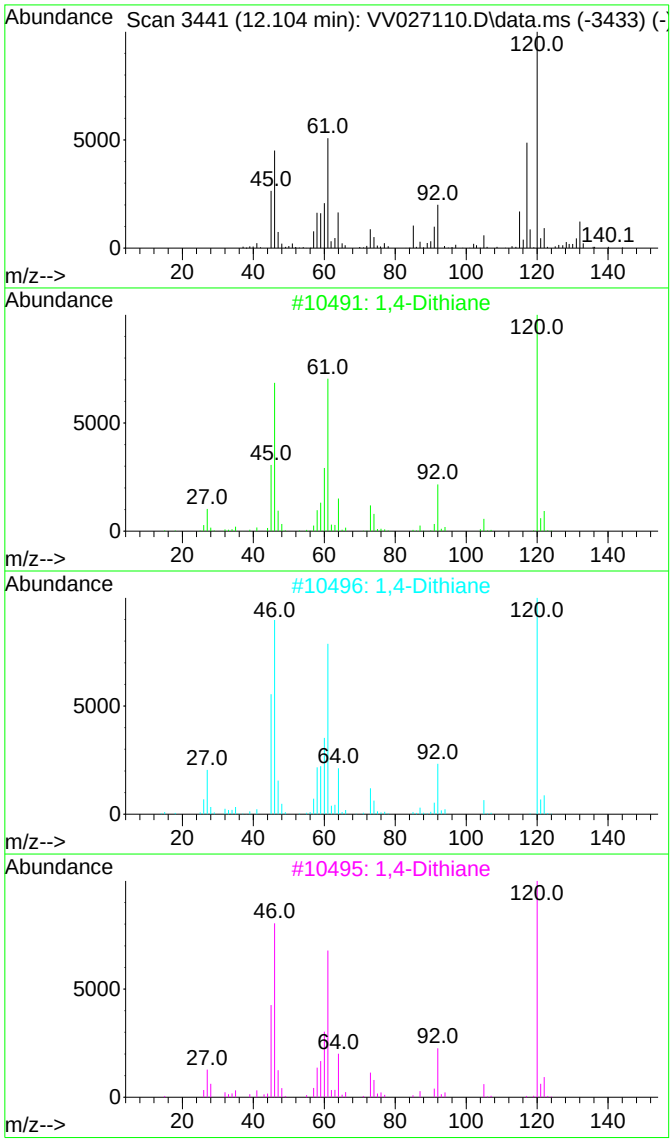
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

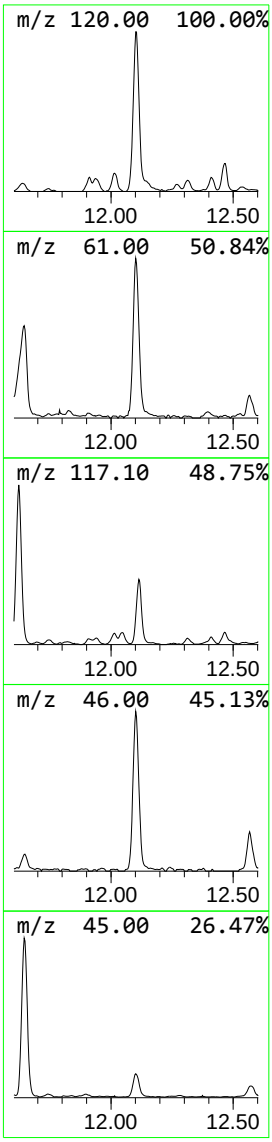
**********

Peak Number 31 1,4-Dithiane Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.104 | 4.97 ug/L | 226340 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dithiane | 120 | C4H8S2 | 000505-29-3 | 95 |
| 2 | 1,4-Dithiane | 120 | C4H8S2 | 000505-29-3 | 94 |
| 3 | 1,4-Dithiane | 120 | C4H8S2 | 000505-29-3 | 76 |
| 4 | 1,4-Dithiane | 120 | C4H8S2 | 000505-29-3 | 76 |
| 5 | Ethanedithioamide | 120 | C2H4N2S2 | 000079-40-3 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

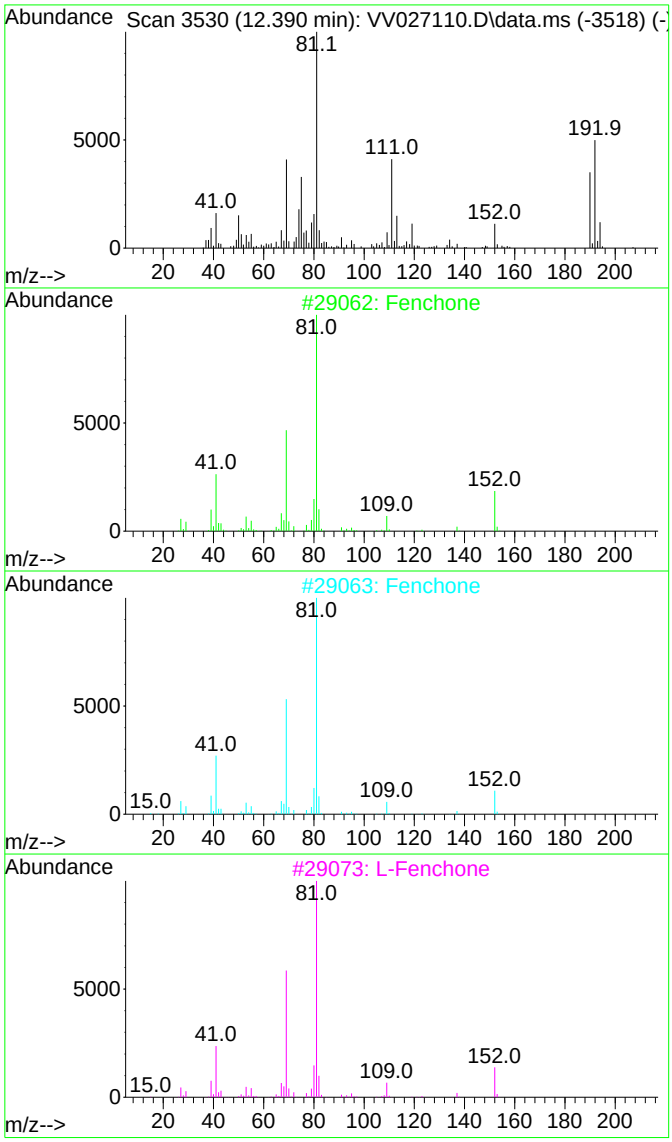
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

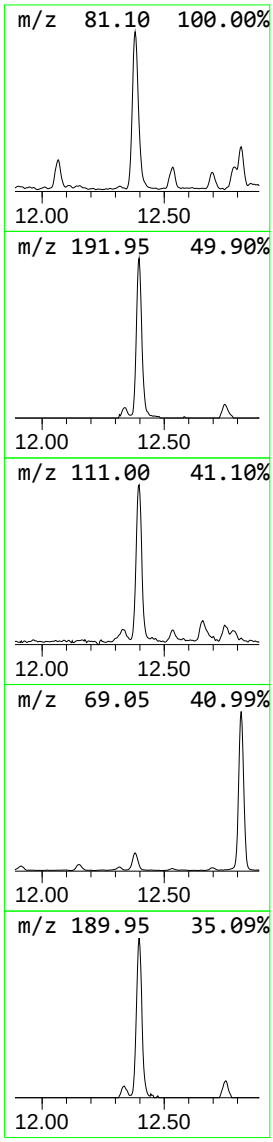
**********

Peak Number 33 unknown-03 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.390 | 8.70 ug/L | 396244 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fenchone | 152 | C10H16O | 001195-79-5 | 42 |
| 2 | Fenchone | 152 | C10H16O | 001195-79-5 | 42 |
| 3 | L-Fenchone | 152 | C10H16O | 007787-20-4 | 42 |
| 4 | Fenchone | 152 | C10H16O | 001195-79-5 | 42 |
| 5 | L-Fenchone | 152 | C10H16O | 007787-20-4 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

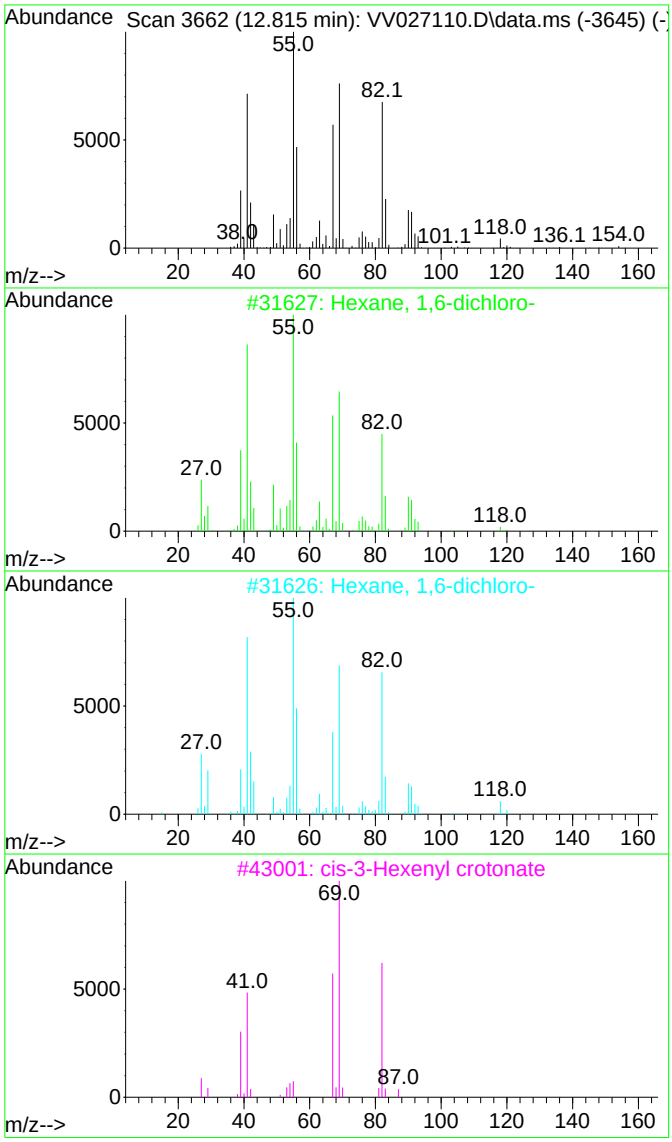
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

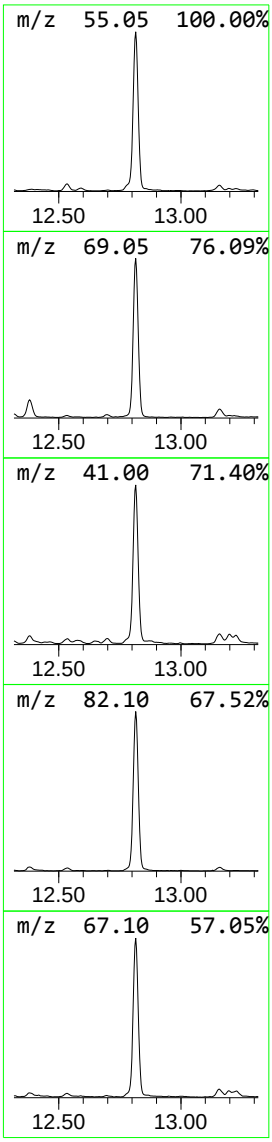
**********

Peak Number 37 Hexane, 1,6-dichloro- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.815 | 43.37 ug/L | 1976160 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 1,6-dichloro- | 154 | C6H12Cl2 | 002163-00-0 | 83 |
| 2 | Hexane, 1,6-dichloro- | 154 | C6H12Cl2 | 002163-00-0 | 72 |
| 3 | cis-3-Hexenyl crotonate | 168 | C10H16O2 | 1000429-17-4 | 47 |
| 4 | 1-Hexanol, 6-chloro- | 136 | C6H13ClO | 002009-83-8 | 42 |
| 5 | 2-Butenoic acid, 3-hexenyl ester... | 168 | C10H16O2 | 065405-80-3 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

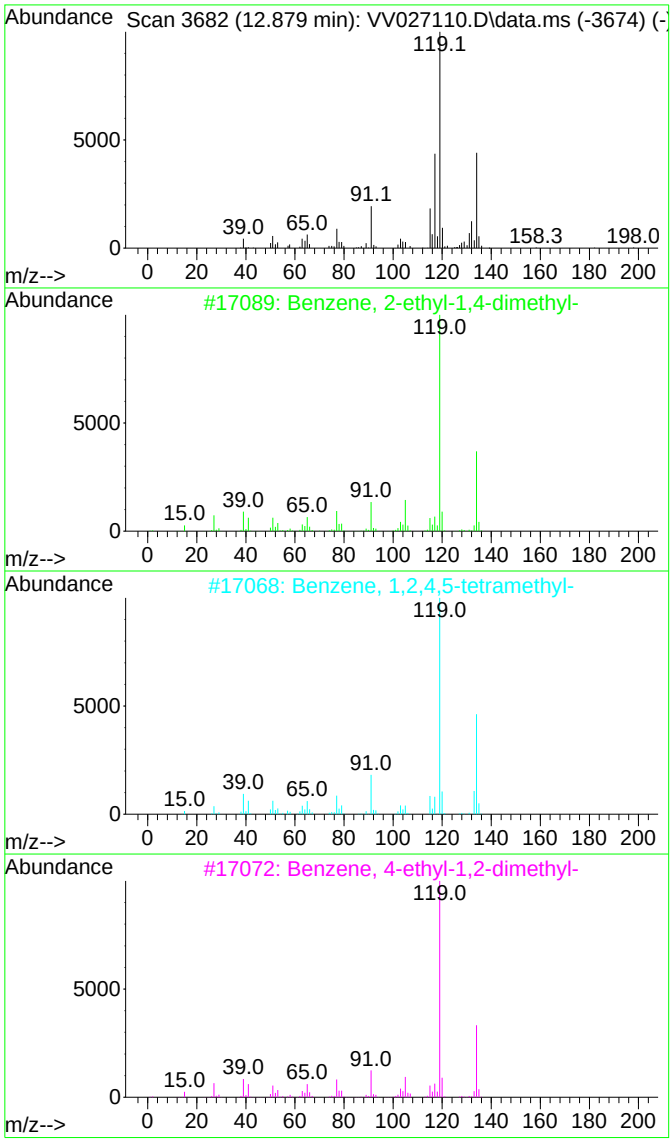
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

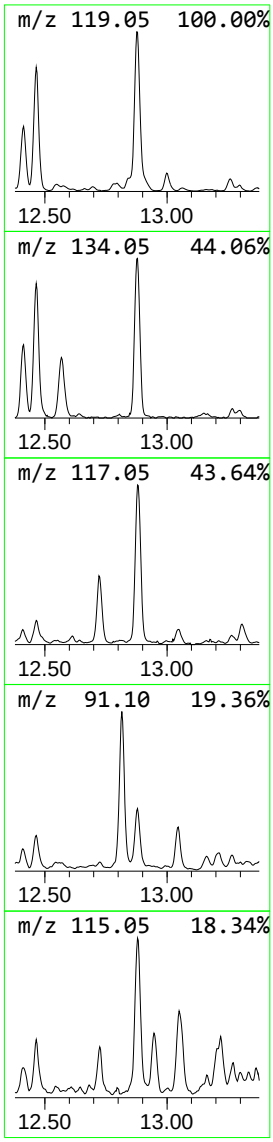
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 38 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.879 | 8.54 ug/L | 388986 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 76 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 70 |
| 3 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 68 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 68 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

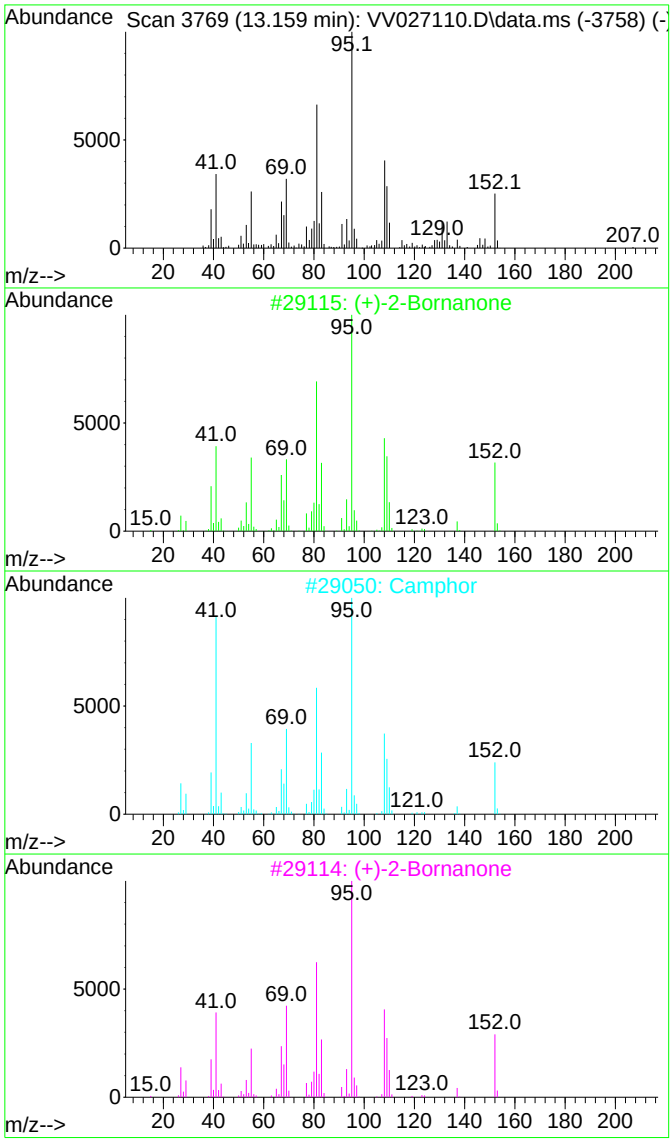
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

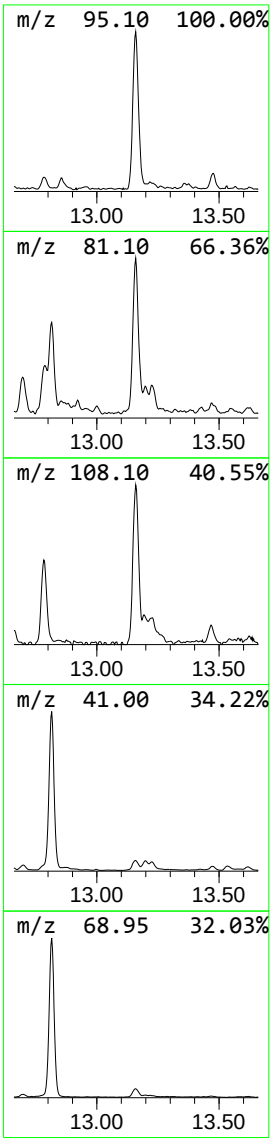
**********

Peak Number 40 (+)-2-Bornanone Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.159 | 6.09 ug/L | 277391 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (+)-2-Bornanone | 152 | C10H16O | 000464-49-3 | 98 |
| 2 | Camphor | 152 | C10H16O | 000076-22-2 | 98 |
| 3 | (+)-2-Bornanone | 152 | C10H16O | 000464-49-3 | 98 |
| 4 | (+)-2-Bornanone | 152 | C10H16O | 000464-49-3 | 98 |
| 5 | Camphor | 152 | C10H16O | 000076-22-2 | 98 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

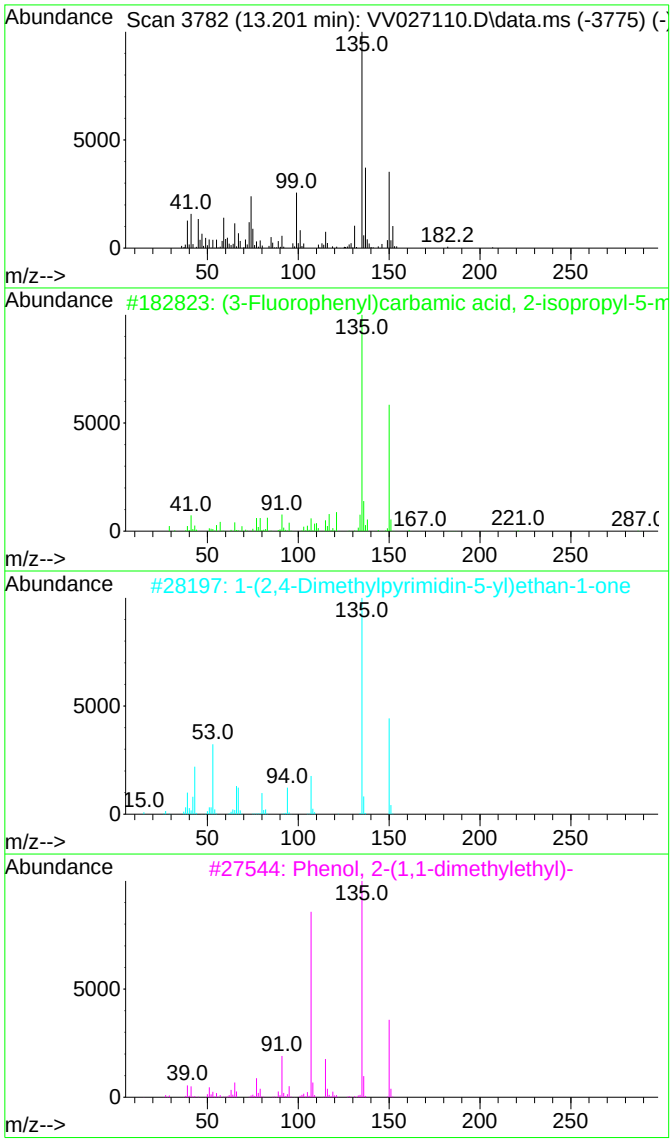
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

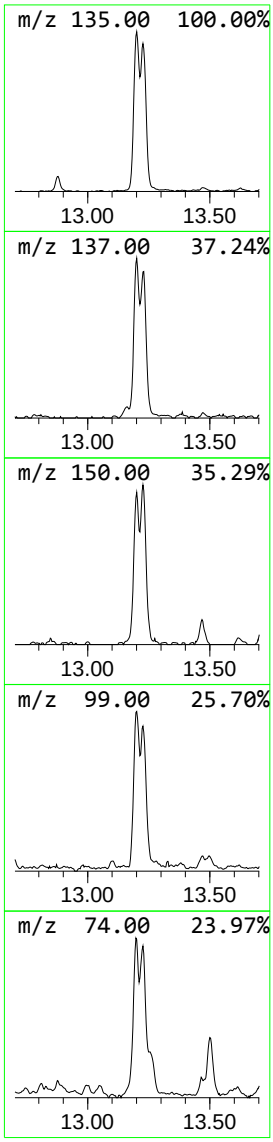
**********

Peak Number 41 unknown-04 Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.201 | 4.04 ug/L | 184154 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (3-Fluorophenyl)carbamic acid, 2... | 287 | C17H18FNO2 | 1000305-07-5 | 38 |
| 2 | 1-(2,4-Dimethylpyrimidin-5-yl)et... | 150 | C8H10N2O | 055933-85-2 | 35 |
| 3 | Phenol, 2-(1,1-dimethylethyl)- | 150 | C10H14O | 000088-18-6 | 35 |
| 4 | 4-Hydroxy-3-methylacetophenone | 150 | C9H10O2 | 000876-02-8 | 35 |
| 5 | 4-Acetylanisole | 150 | C9H10O2 | 000100-06-1 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

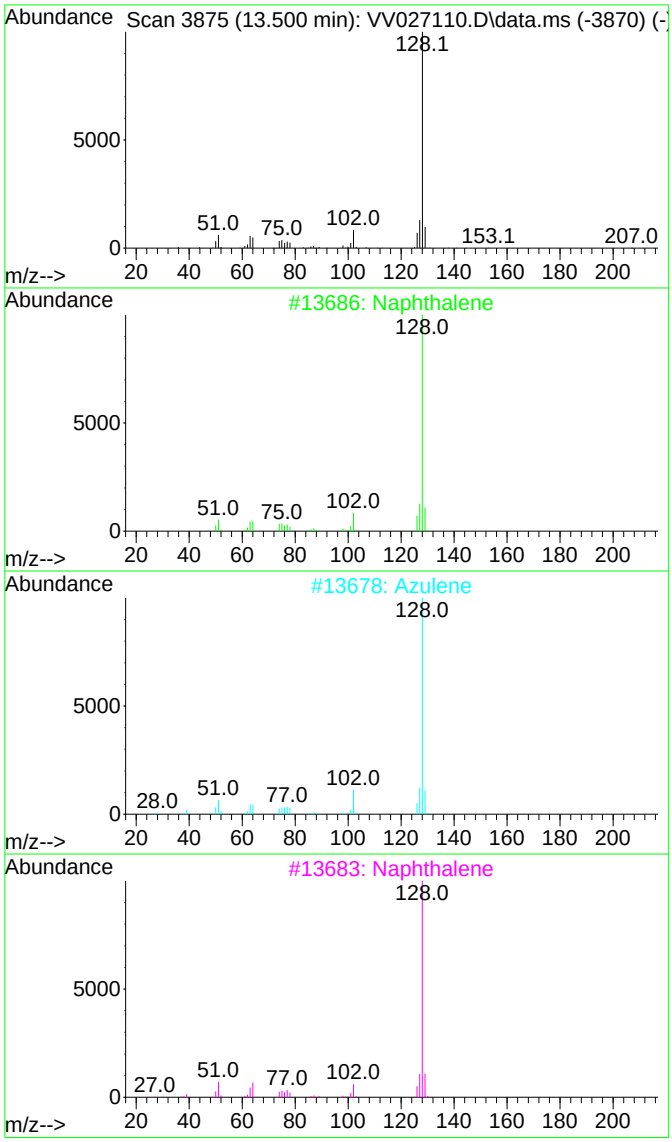
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

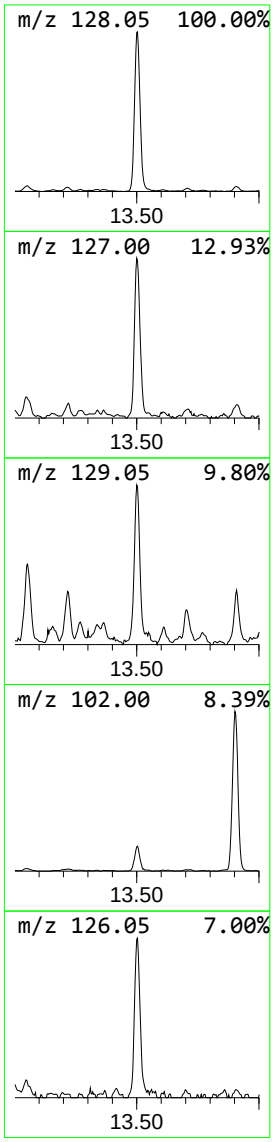
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 42 Azulene Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.500 | 4.64 ug/L | 211561 | 1,4-Dichlorobenzene-d4 | 11.246 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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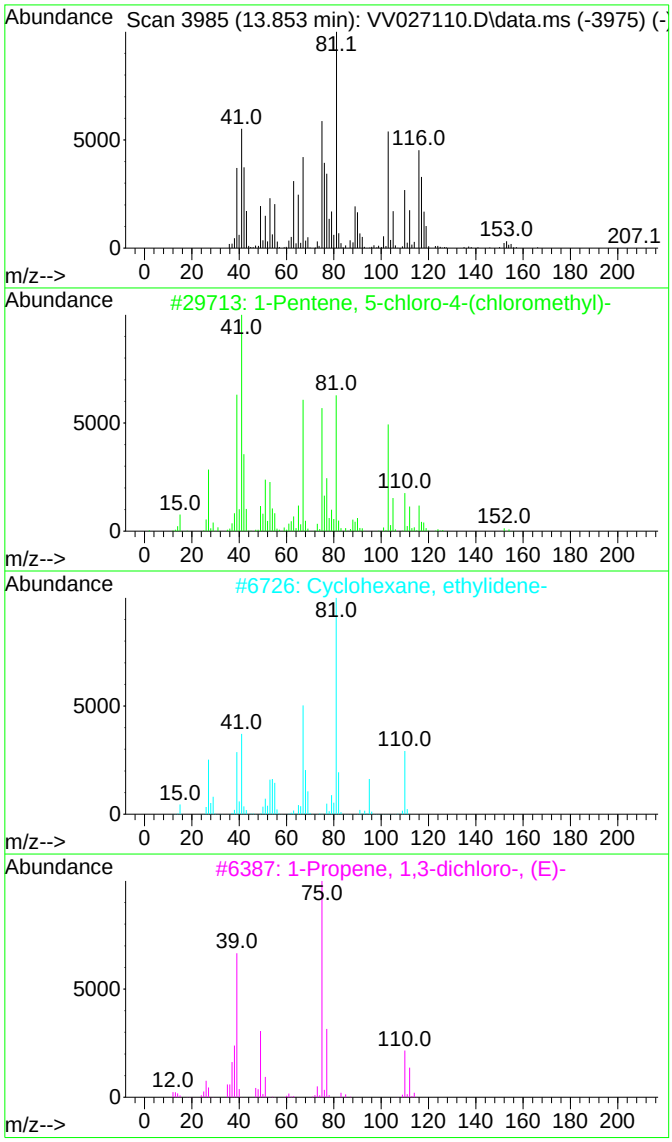
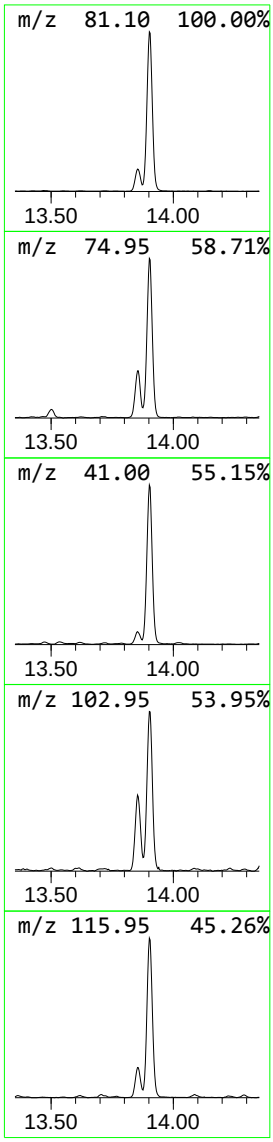
Peak Number 45 unknown-05 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.853 | 10.97 ug/L | 499682 | 1,4-Dichlorobenzene-d4 | 11.246 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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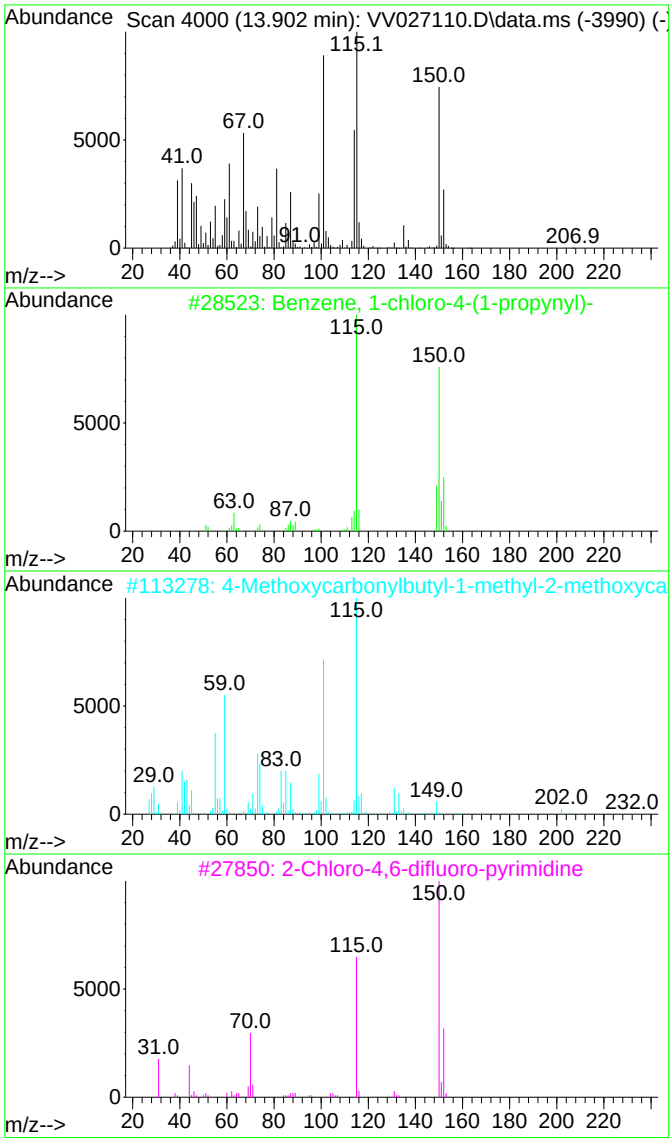
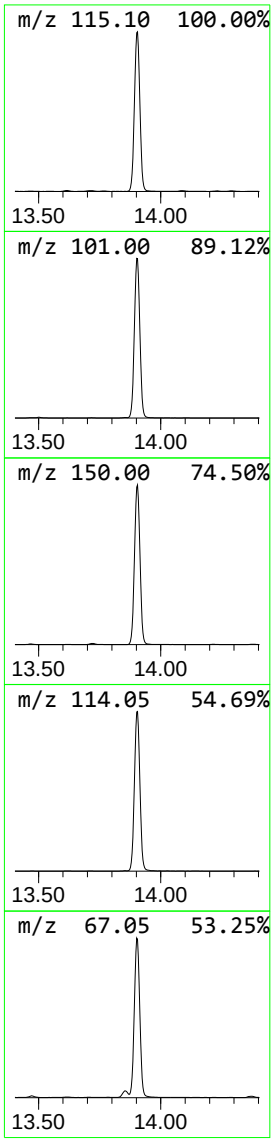
Peak Number 46 unknown-06 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.902 | 230.15 ug/L | 10487400 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-4-(1-propynyl)- | 150 | C9H7Cl | 002809-65-6 | 38 |
| 2 | 4-Methoxycarbonylbutyl-1-methyl-... | 232 | C11H20O5 | 1000140-30-2 | 35 |
| 3 | 2-Chloro-4,6-difluoro-pyrimidine | 150 | C4HClF2N2 | 038953-30-9 | 25 |
| 4 | Propane, 1-isothiocyanato- | 101 | C4H7NS | 000628-30-8 | 11 |
| 5 | 1,3,4-Thiadiazol-2-amine | 101 | C2H3N3S | 004005-51-0 | 11 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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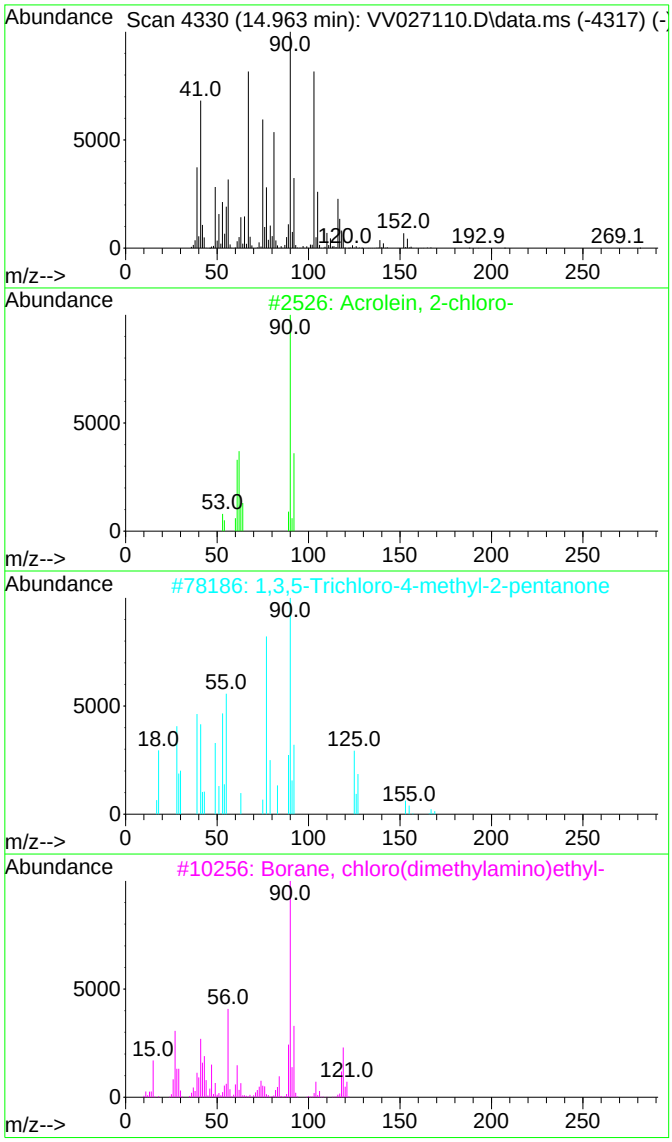
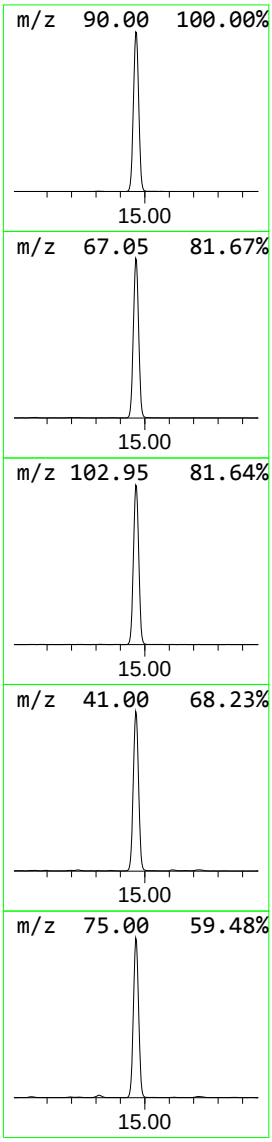
Peak Number 48 unknown-07 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.963 | 107.03 ug/L | 4877080 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acrolein, 2-chloro- | 90 | C3H3ClO | 000683-51-2 | 37 |
| 2 | 1,3,5-Trichloro-4-methyl-2-penta... | 202 | C6H9Cl3O | 1000140-03-8 | 25 |
| 3 | Borane, chloro(dimethylamino)ethyl- | 119 | C4H11BClN | 001739-26-0 | 23 |
| 4 | 6,6-Difluoro-3-azabicyclo[3.1.0]... | 119 | C5H7F2N | 1215166-78-1 | 17 |
| 5 | 4-(2-Aminoethyl)benzenesulfonamide | 200 | C8H12N2O2S | 035303-76-5 | 17 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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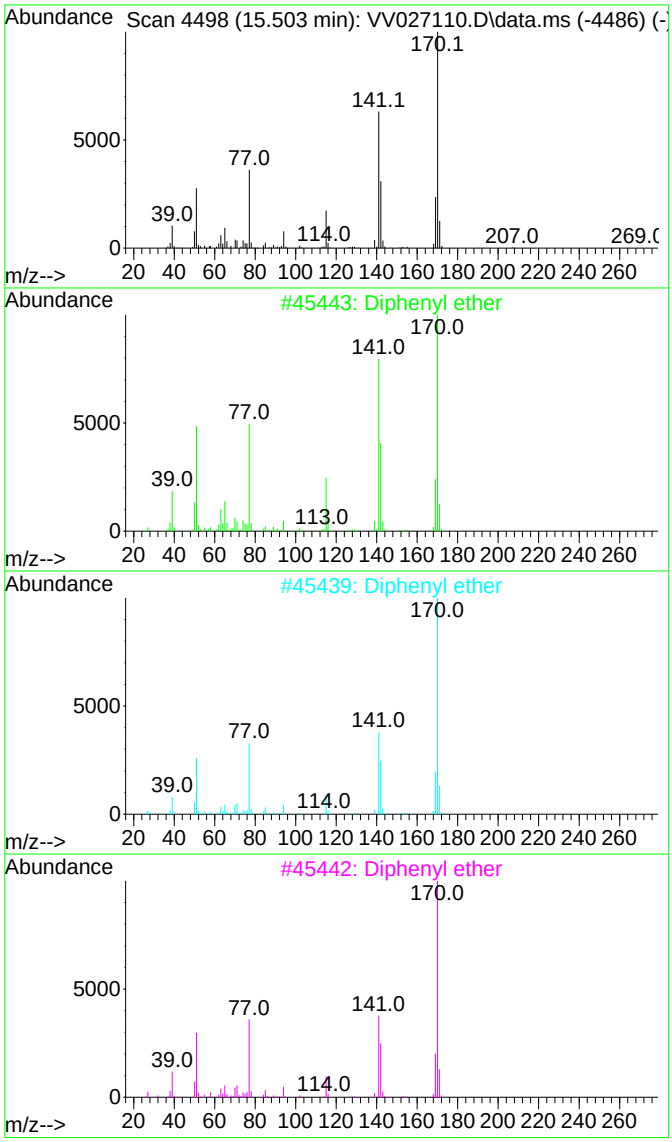
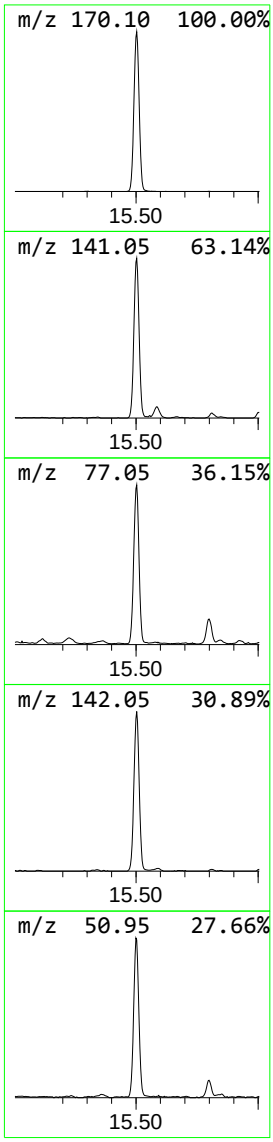
Peak Number 49 Diphenyl ether Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.503 | 14.09 ug/L | 642263 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 96 |
| 2 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 95 |
| 3 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 93 |
| 4 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 90 |
| 5 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

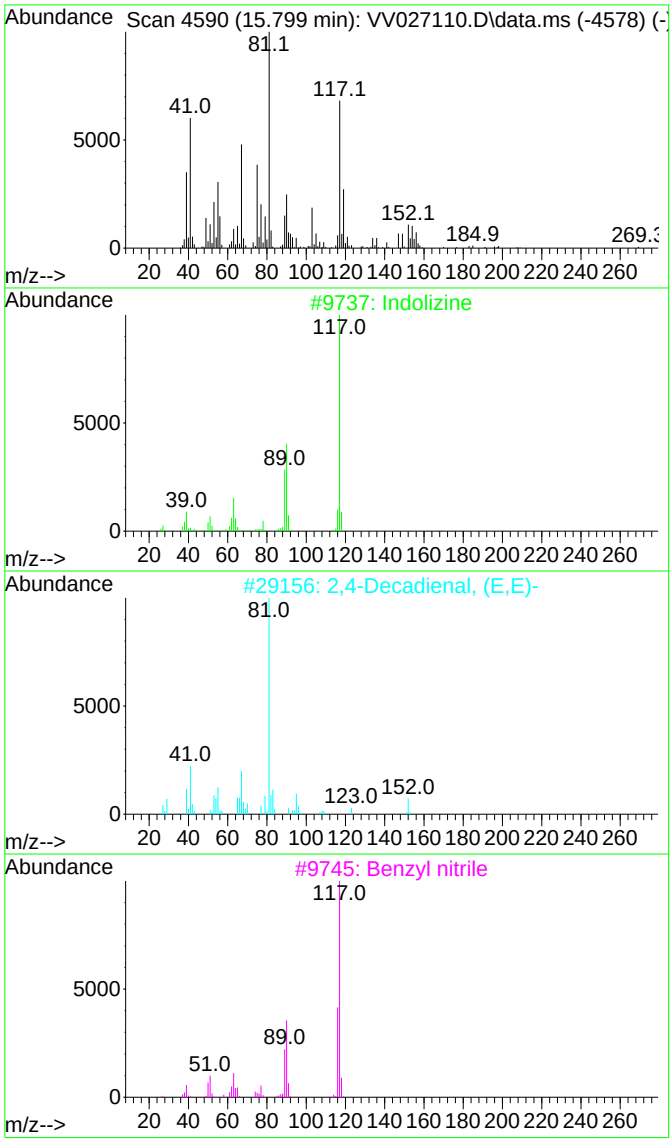
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

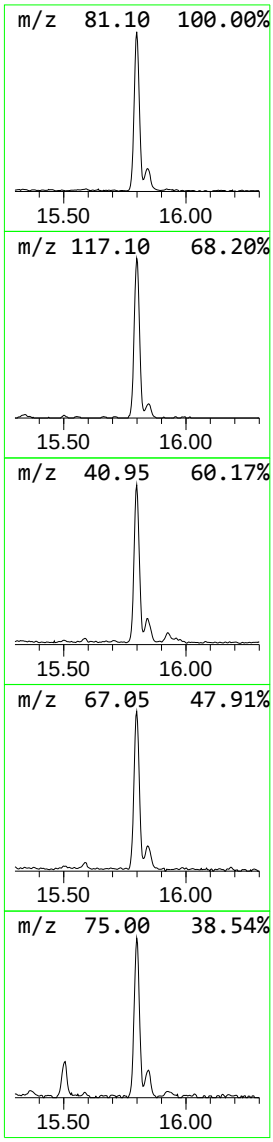
**********

Peak Number 50 unknown-08 Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.799 | 7.67 ug/L | 349623 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indolizine | 117 | C8H7N | 000274-40-8 | 45 |
| 2 | 2,4-Decadienal, (E,E)- | 152 | C10H16O | 025152-84-5 | 35 |
| 3 | Benzyl nitrile | 117 | C8H7N | 000140-29-4 | 25 |
| 4 | Benzonitrile, 2-methyl- | 117 | C8H7N | 000529-19-1 | 25 |
| 5 | Benzonitrile, 4-methyl- | 117 | C8H7N | 000104-85-8 | 25 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027110.D
Acq On : 30 Jul 2022 02:19
Operator : SY/MD
Sample : N3956-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXF06

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.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 |
| Cyclopropene | 1.101 | 3254.2 | ug/L | 92719700 | 1 | 5.613 | 1424610 | 50.0 |
| Ethanethiol | 2.024 | 6.9 | ug/L | 196113 | 1 | 5.613 | 1424610 | 50.0 |
| (DEL) Alkane: C... | 2.568 | 84.2 | ug/L | 2400320 | 1 | 5.613 | 1424610 | 50.0 |
| Isopropenyl bro... | 2.651 | 37.6 | ug/L | 1072310 | 1 | 5.613 | 1424610 | 50.0 |
| (DEL) Alkane: S... | 2.754 | 3.5 | ug/L | 98573 | 1 | 5.613 | 1424610 | 50.0 |
| 1,5-Hexadiene | 2.828 | 9.1 | ug/L | 258571 | 1 | 5.613 | 1424610 | 50.0 |
| (DEL) Alkane: S... | 3.034 | 4.8 | ug/L | 137282 | 1 | 5.613 | 1424610 | 50.0 |
| (DEL) Alkane: C... | 3.757 | 4.2 | ug/L | 119884 | 1 | 5.613 | 1424610 | 50.0 |
| Ethane, (methyl... | 3.799 | 12.1 | ug/L | 344905 | 1 | 5.613 | 1424610 | 50.0 |
| Thiophene | 5.359 | 5.5 | ug/L | 156810 | 1 | 5.613 | 1424610 | 50.0 |
| Furan, tetrahyd... | 5.892 | 38.0 | ug/L | 1082860 | 1 | 5.613 | 1424610 | 50.0 |
| Thietane | 6.371 | 54.9 | ug/L | 1565490 | 1 | 5.613 | 1424610 | 50.0 |
| cis-1-Methyl-2-... | 6.754 | 6.3 | ug/L | 179639 | 1 | 5.613 | 1424610 | 50.0 |
| 2H-Pyran, tetra... | 6.895 | 479.5 | ug/L | 13662200 | 1 | 5.613 | 1424610 | 50.0 |
| (DEL) Alkane: S... | 7.072 | 3.9 | ug/L | 110321 | 1 | 5.613 | 1424610 | 50.0 |
| 2H-Thiopyran, t... | 10.079 | 43.1 | ug/L | 1963960 | 3 | 11.246 | 2278440 | 50.0 |
| 2H-Thiopyran, t... | 10.355 | 6.6 | ug/L | 300132 | 3 | 11.246 | 2278440 | 50.0 |
| Benzene, 1-chlo... | 10.419 | 63.0 | ug/L | 2871440 | 3 | 11.246 | 2278440 | 50.0 |
| unknown-01 | 10.683 | 12.6 | ug/L | 573413 | 3 | 11.246 | 2278440 | 50.0 |
| Benzene, 1-ethy... | 10.735 | 6.2 | ug/L | 281862 | 3 | 11.246 | 2278440 | 50.0 |
| unknown-02 | 10.825 | 6.9 | ug/L | 313257 | 3 | 11.246 | 2278440 | 50.0 |
| 2-(Chloromethyl... | 11.024 | 14.1 | ug/L | 641068 | 3 | 11.246 | 2278440 | 50.0 |
| Benzene, 2-chlo... | 11.828 | 6.5 | ug/L | 293969 | 3 | 11.246 | 2278440 | 50.0 |
| 1,4-Dithiane | 12.104 | 5.0 | ug/L | 226340 | 3 | 11.246 | 2278440 | 50.0 |
| unknown-03 | 12.390 | 8.7 | ug/L | 396244 | 3 | 11.246 | 2278440 | 50.0 |
| Hexane, 1,6-dic... | 12.815 | 43.4 | ug/L | 1976160 | 3 | 11.246 | 2278440 | 50.0 |
| Benzene, 2-ethy... | 12.879 | 8.5 | ug/L | 388986 | 3 | 11.246 | 2278440 | 50.0 |
| (+)-2-Bornanone | 13.159 | 6.1 | ug/L | 277391 | 3 | 11.246 | 2278440 | 50.0 |
| unknown-04 | 13.201 | 4.0 | ug/L | 184154 | 3 | 11.246 | 2278440 | 50.0 |
| Azulene | 13.500 | 4.6 | ug/L | 211561 | 3 | 11.246 | 2278440 | 50.0 |
| unknown-05 | 13.853 | 11.0 | ug/L | 499682 | 3 | 11.246 | 2278440 | 50.0 |
| unknown-06 | 13.902 | 230.2 | ug/L | 10487400 | 3 | 11.246 | 2278440 | 50.0 |
| unknown-07 | 14.963 | 107.0 | ug/L | 4877080 | 3 | 11.246 | 2278440 | 50.0 |
| Diphenyl ether | 15.503 | 14.1 | ug/L | 642263 | 3 | 11.246 | 2278440 | 50.0 |
| unknown-08 | 15.799 | 7.7 | ug/L | 349623 | 3 | 11.246 | 2278440 | 50.0 |