LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU061098.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.354 | 13 | 20 | 38 | rBV2 | 31719 | 37127 | 1.39% | 0.274% |
| 2 | 1.451 | 39 | 50 | 56 | rBV | 22099 | 44439 | 1.66% | 0.328% |
| 3 | 1.583 | 81 | 91 | 102 | rBV2 | 88371 | 159837 | 5.96% | 1.180% |
| 4 | 1.718 | 125 | 133 | 153 | rBV | 496388 | 612378 | 22.85% | 4.521% |
| 5 | 1.901 | 184 | 190 | 203 | rVB | 49964 | 65562 | 2.45% | 0.484% |
| 6 | 2.232 | 286 | 293 | 310 | rBV | 31448 | 76895 | 2.87% | 0.568% |
| 7 | 2.550 | 382 | 392 | 406 | rVB | 96377 | 153724 | 5.74% | 1.135% |
| 8 | 3.849 | 784 | 796 | 817 | rVB | 12056 | 27940 | 1.04% | 0.206% |
| 9 | 4.695 | 1031 | 1059 | 1112 | rBV3 | 52107 | 309571 | 11.55% | 2.285% |
| 10 | 5.049 | 1153 | 1169 | 1190 | rBV | 93966 | 206810 | 7.72% | 1.527% |
| 11 | 5.711 | 1356 | 1375 | 1382 | rBV2 | 202314 | 467153 | 17.43% | 3.449% |
| 12 | 5.759 | 1383 | 1390 | 1410 | rVB | 255211 | 508396 | 18.97% | 3.753% |
| 13 | 6.010 | 1443 | 1468 | 1485 | rBV2 | 42596 | 93124 | 3.47% | 0.687% |
| 14 | 6.238 | 1527 | 1539 | 1562 | rVB | 205893 | 393278 | 14.68% | 2.903% |
| 15 | 6.611 | 1645 | 1655 | 1665 | rBV2 | 14697 | 27743 | 1.04% | 0.205% |
| 16 | 6.682 | 1665 | 1677 | 1691 | rBV | 116450 | 227637 | 8.49% | 1.680% |
| 17 | 7.560 | 1937 | 1950 | 1968 | rBV | 64206 | 116178 | 4.34% | 0.858% |
| 18 | 7.888 | 2037 | 2052 | 2065 | rBV | 232177 | 406759 | 15.18% | 3.003% |
| 19 | 7.959 | 2065 | 2074 | 2094 | rVB | 115274 | 203115 | 7.58% | 1.499% |
| 20 | 8.174 | 2131 | 2141 | 2155 | rBV2 | 38291 | 66074 | 2.47% | 0.488% |
| 21 | 8.544 | 2244 | 2256 | 2272 | rVB | 102276 | 175559 | 6.55% | 1.296% |
| 22 | 8.634 | 2272 | 2284 | 2321 | rBV | 290926 | 573346 | 21.39% | 4.233% |
| 23 | 9.409 | 2513 | 2525 | 2547 | rBV | 289937 | 511328 | 19.08% | 3.775% |
| 24 | 9.563 | 2564 | 2573 | 2595 | rVB | 37393 | 65829 | 2.46% | 0.486% |
| 25 | 9.682 | 2595 | 2610 | 2627 | rBV | 122759 | 212676 | 7.94% | 1.570% |
| 26 | 10.094 | 2727 | 2738 | 2756 | rBV | 85878 | 142274 | 5.31% | 1.050% |
| 27 | 10.746 | 2931 | 2941 | 2954 | rVB | 93977 | 153810 | 5.74% | 1.135% |
| 28 | 10.991 | 3005 | 3017 | 3035 | rBV | 56384 | 119351 | 4.45% | 0.881% |
| 29 | 11.081 | 3035 | 3045 | 3062 | rVB | 95590 | 148395 | 5.54% | 1.095% |
| 30 | 11.283 | 3099 | 3108 | 3125 | rVB | 55016 | 87947 | 3.28% | 0.649% |
| 31 | 11.460 | 3152 | 3163 | 3172 | rBV | 148594 | 241006 | 8.99% | 1.779% |
| 32 | 11.630 | 3194 | 3216 | 3226 | rBV7 | 14142 | 32530 | 1.21% | 0.240% |
| 33 | 11.733 | 3237 | 3248 | 3256 | rBV3 | 60620 | 102950 | 3.84% | 0.760% |
| 34 | 11.804 | 3256 | 3270 | 3287 | rVV3 | 325088 | 761290 | 28.41% | 5.620% |
| 35 | 11.884 | 3287 | 3295 | 3309 | rVB | 154855 | 239479 | 8.94% | 1.768% |
| 36 | 12.055 | 3338 | 3348 | 3351 | rBV | 67905 | 96647 | 3.61% | 0.713% |

LSC Area Percent Report

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Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Title : TRACE VOA SFAM1.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.084 | 3352 | 3357 | 3365 | rVB2 | 77552 | 121551 | 4.54% | 0.897% |
| 38 | 12.183 | 3377 | 3388 | 3406 | rVB | 284329 | 481007 | 17.95% | 3.551% |
| 39 | 12.302 | 3413 | 3425 | 3437 | rBV | 167369 | 273186 | 10.19% | 2.017% |
| 40 | 12.367 | 3437 | 3445 | 3460 | rVB | 28966 | 49520 | 1.85% | 0.366% |
| 41 | 12.457 | 3462 | 3473 | 3478 | rBV2 | 31285 | 52455 | 1.96% | 0.387% |
| 42 | 12.486 | 3478 | 3482 | 3494 | rVB | 30873 | 43978 | 1.64% | 0.325% |
| 43 | 12.563 | 3494 | 3506 | 3514 | rBV | 49966 | 75914 | 2.83% | 0.560% |
| 44 | 12.675 | 3531 | 3541 | 3561 | rVB4 | 33973 | 85509 | 3.19% | 0.631% |
| 45 | 12.868 | 3590 | 3601 | 3609 | rBV3 | 36003 | 60459 | 2.26% | 0.446% |
| 46 | 12.920 | 3609 | 3617 | 3623 | rVV | 18795 | 36583 | 1.37% | 0.270% |
| 47 | 12.965 | 3625 | 3631 | 3638 | rVV | 43910 | 63460 | 2.37% | 0.468% |
| 48 | 13.019 | 3638 | 3648 | 3661 | rVB2 | 110554 | 182573 | 6.81% | 1.348% |
| 49 | 13.283 | 3723 | 3730 | 3743 | rVB4 | 28427 | 44591 | 1.66% | 0.329% |
| 50 | 13.441 | 3769 | 3779 | 3793 | rVB3 | 150043 | 253286 | 9.45% | 1.870% |
| 51 | 13.618 | 3824 | 3834 | 3851 | rVB5 | 31498 | 63554 | 2.37% | 0.469% |
| 52 | 13.830 | 3891 | 3900 | 3915 | rBV6 | 31069 | 68925 | 2.57% | 0.509% |
| 53 | 14.074 | 3962 | 3976 | 3997 | rBV | 1659885 | 2679829 | 100.00% | 19.783% |
| 54 | 14.199 | 4003 | 4015 | 4027 | rBV | 83722 | 139704 | 5.21% | 1.031% |
| 55 | 14.476 | 4091 | 4101 | 4108 | rBV2 | 16539 | 27283 | 1.02% | 0.201% |
| 56 | 14.662 | 4150 | 4159 | 4171 | rBV4 | 21109 | 44968 | 1.68% | 0.332% |
| 57 | 14.868 | 4214 | 4223 | 4235 | rVB3 | 20193 | 33924 | 1.27% | 0.250% |
| 58 | 15.010 | 4257 | 4267 | 4278 | rBV6 | 18794 | 35017 | 1.31% | 0.259% |
| 59 | 15.212 | 4320 | 4330 | 4343 | rVV | 158184 | 252178 | 9.41% | 1.862% |
| 60 | 15.402 | 4377 | 4389 | 4401 | rBV | 134917 | 227350 | 8.48% | 1.678% |
| 61 | 15.945 | 4552 | 4558 | 4569 | rVB2 | 23687 | 36579 | 1.36% | 0.270% |
| 62 | 16.254 | 4638 | 4654 | 4663 | rBV | 28221 | 53830 | 2.01% | 0.397% |
| 63 | 16.402 | 4689 | 4700 | 4707 | rBV | 52024 | 86119 | 3.21% | 0.636% |
| 64 | 16.441 | 4707 | 4712 | 4722 | rVB | 25946 | 39115 | 1.46% | 0.289% |
| 65 | 16.878 | 4839 | 4848 | 4858 | rBV3 | 18281 | 33328 | 1.24% | 0.246% |
| 66 | 17.087 | 4905 | 4913 | 4925 | rVB | 18924 | 32158 | 1.20% | 0.237% |

Sum of corrected areas: 13546090

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Data File : VU061098.D
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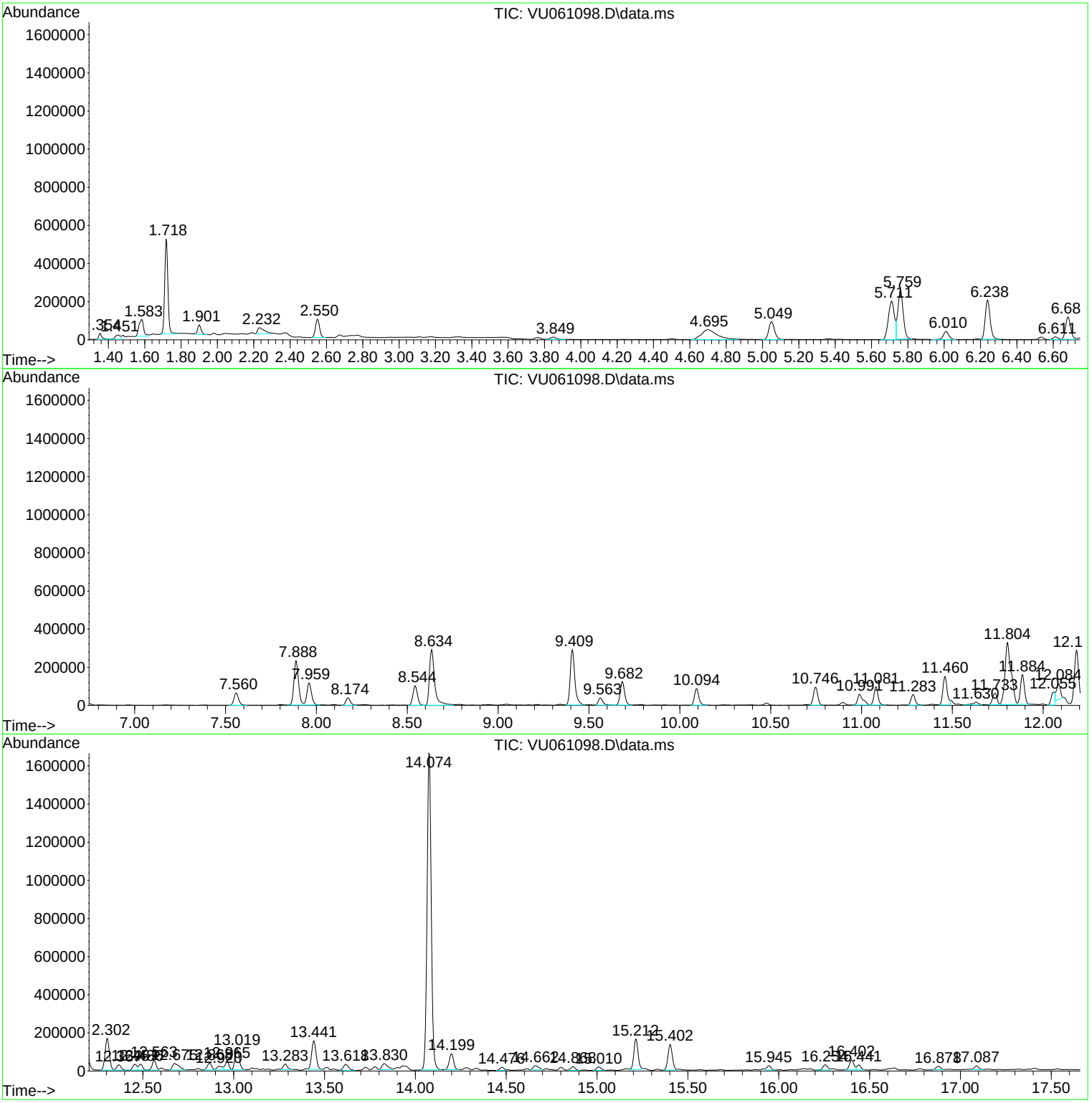
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

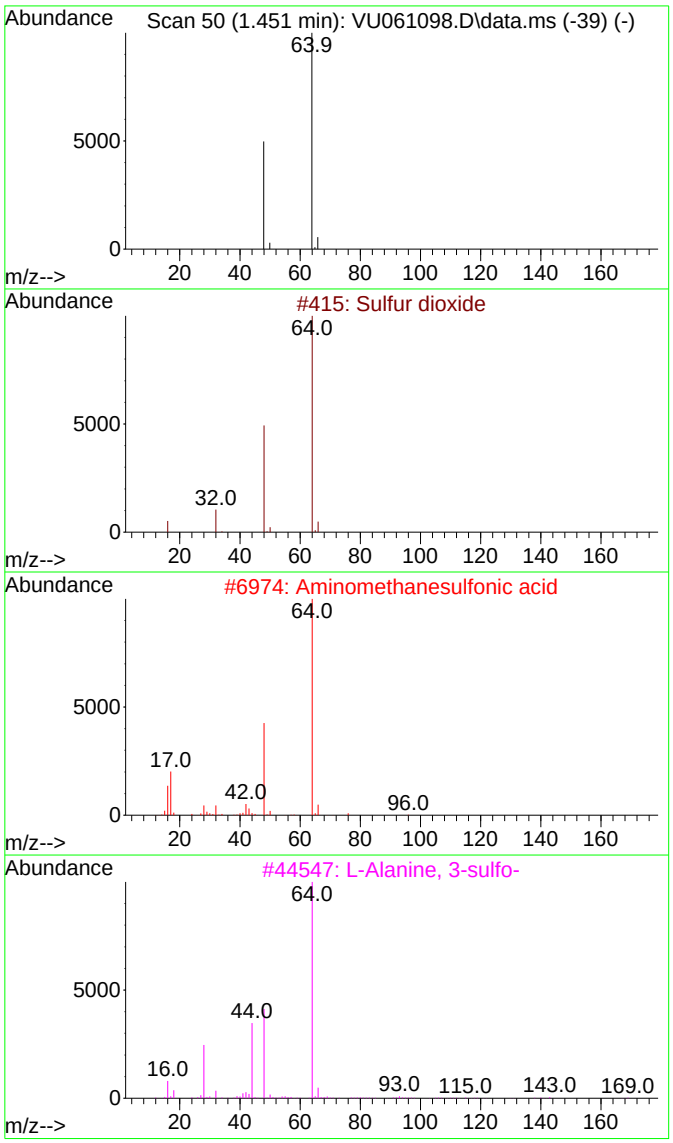
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

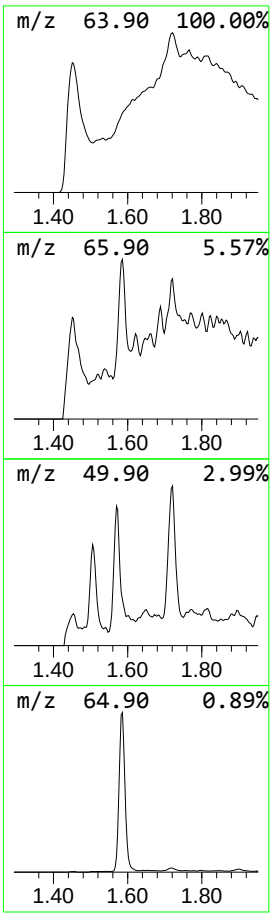
**********

Peak Number 1 Sulfur dioxide Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.451 | 0.56 ug/L | 44439 | 1,4-Difluorobenzene | 6.238 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 90 |
| 2 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 64 |
| 3 | L-Alanine, 3-sulfo- | 169 | C3H7NO5S | 000498-40-8 | 9 |
| 4 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |
| 5 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 4 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

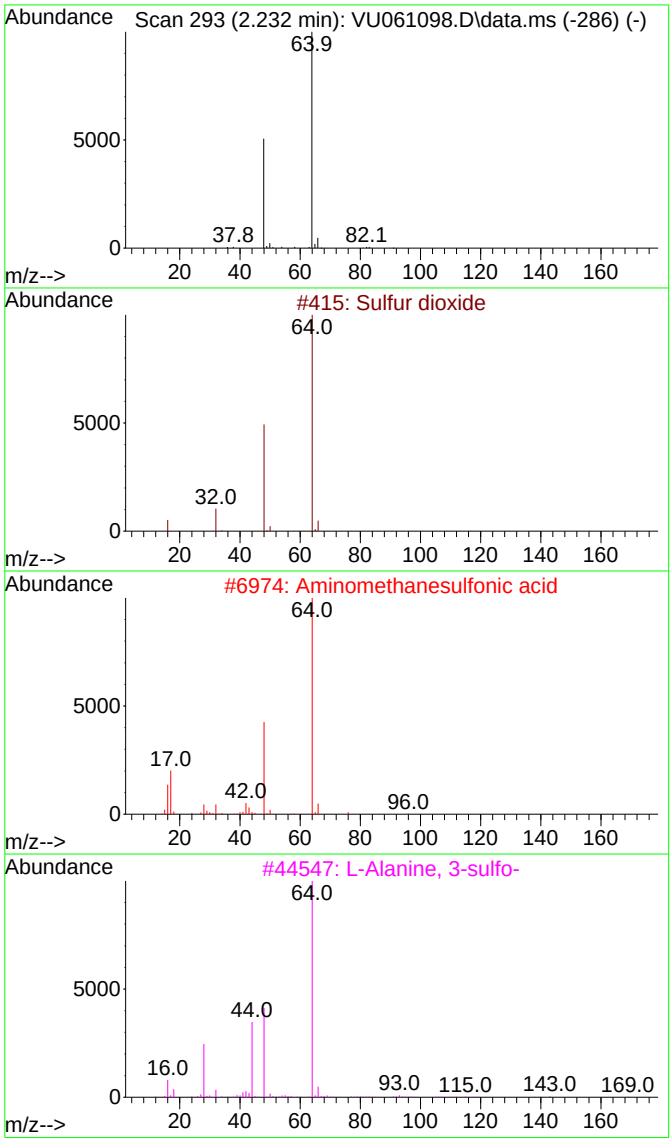
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

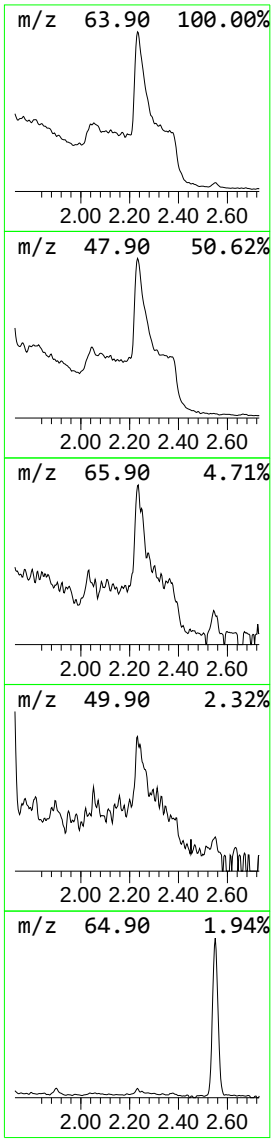
**********

Peak Number 3 unknown-01 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.232 | 0.98 ug/L | 76895 | 1,4-Difluorobenzene | 6.238 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 74 |
| 2 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |
| 3 | L-Alanine, 3-sulfo- | 169 | C3H7NO5S | 000498-40-8 | 9 |
| 4 | 2-Aminoethyl hydrogen sulfate | 141 | C2H7NO4S | 000926-39-6 | 9 |
| 5 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

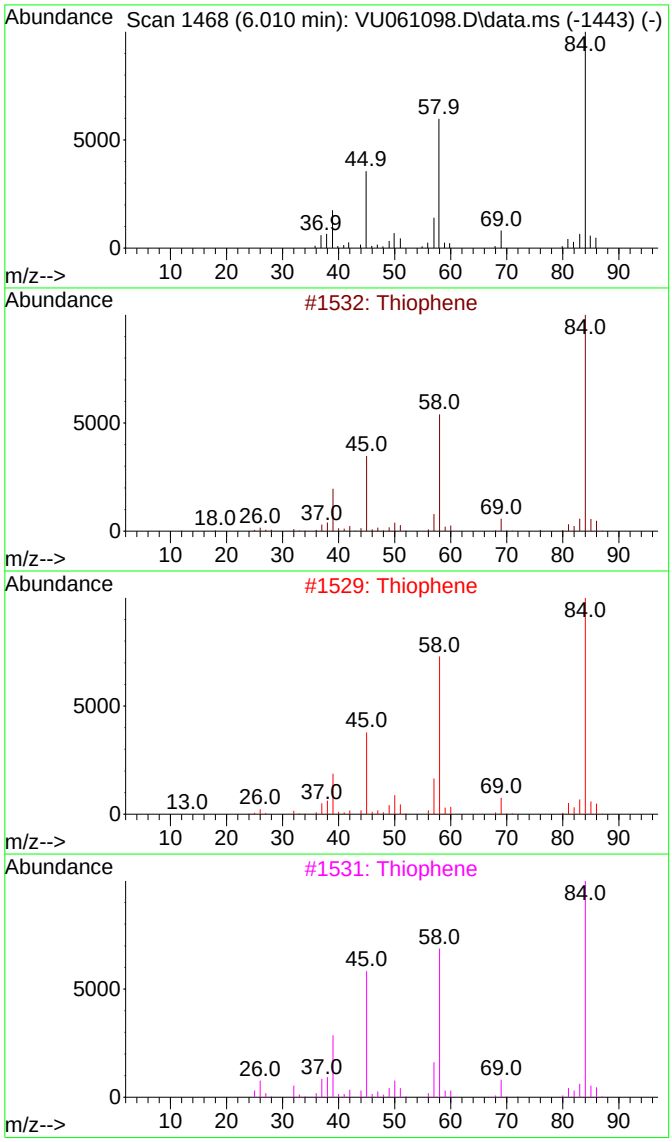
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

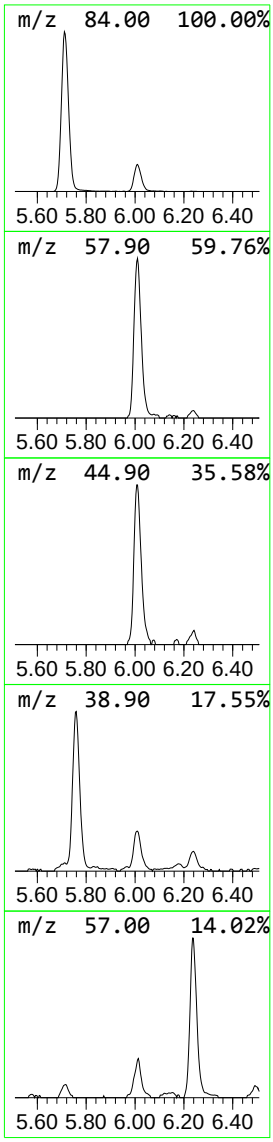
**********

Peak Number 4 Thiophene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.010 | 1.18 ug/L | 93124 | 1,4-Difluorobenzene | 6.238 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thiophene | 84 | C4H4S | 000110-02-1 | 97 |
| 2 | Thiophene | 84 | C4H4S | 000110-02-1 | 97 |
| 3 | Thiophene | 84 | C4H4S | 000110-02-1 | 91 |
| 4 | Thiophene | 84 | C4H4S | 000110-02-1 | 91 |
| 5 | 4H-1,2,4-Triazol-4-amine | 84 | C2H4N4 | 000584-13-4 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

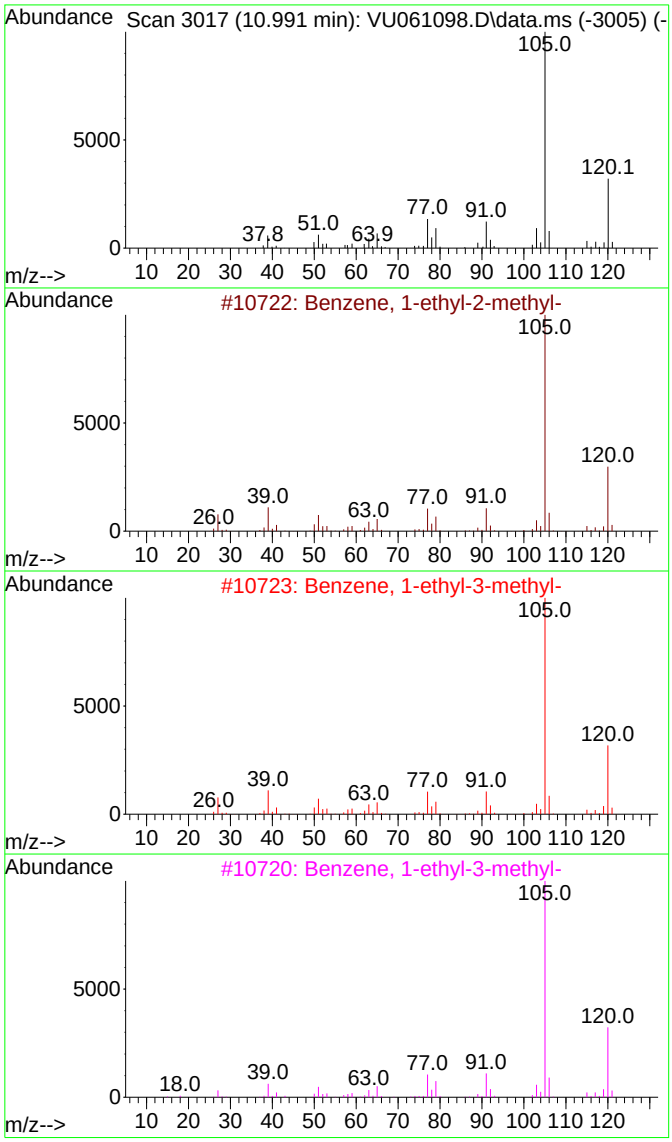
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

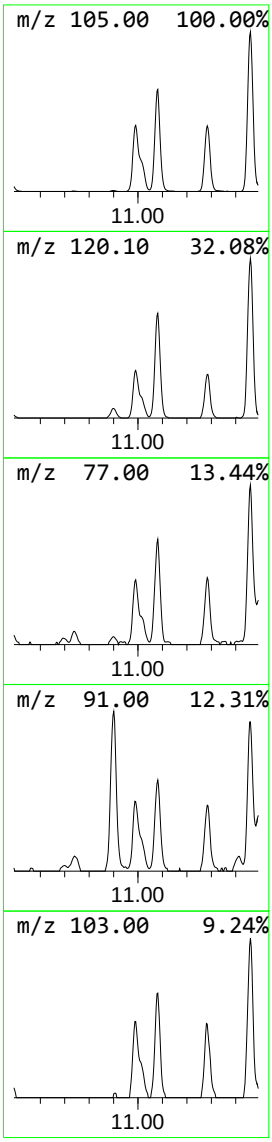
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.991 | 0.78 ug/L | 119351 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 94 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 94 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 5 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

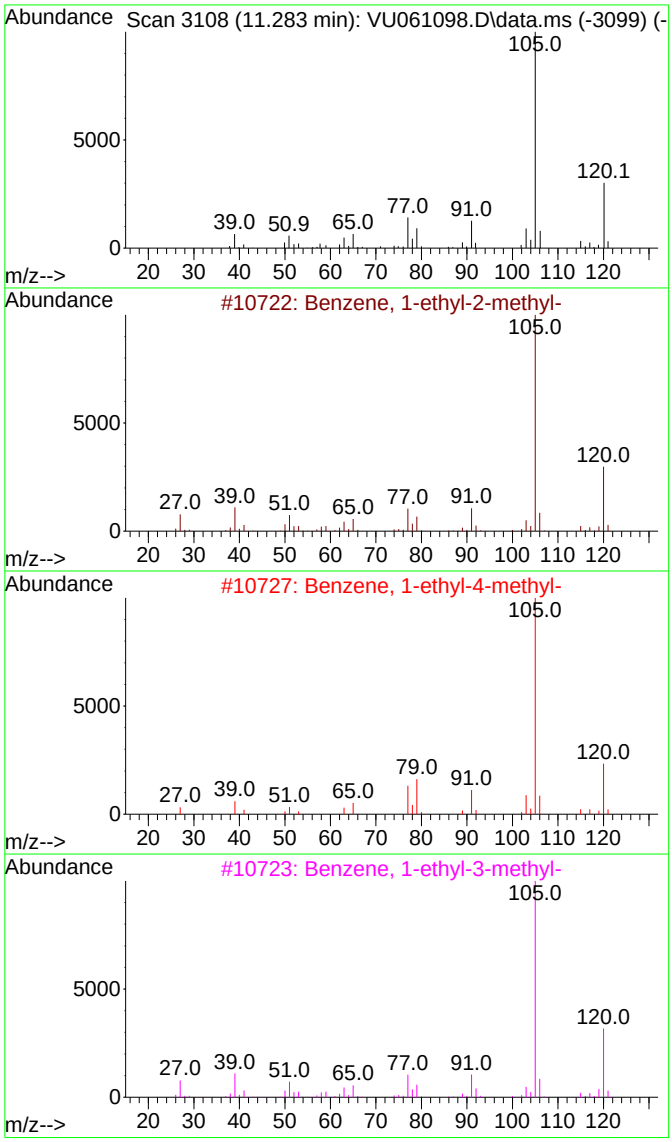
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

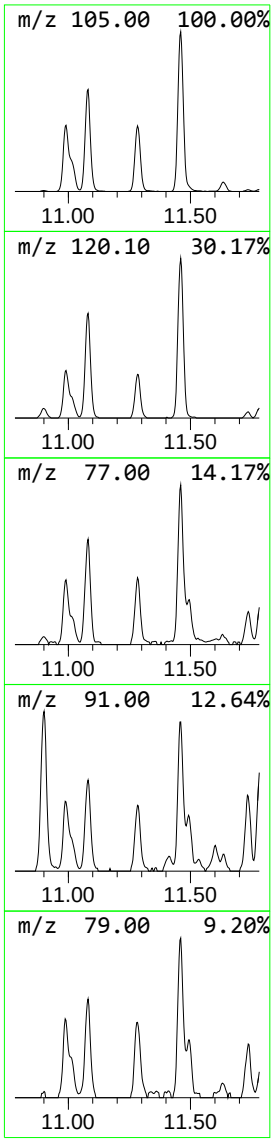
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 1-ethyl-4-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.283 | 0.58 ug/L | 87947 | 1,4-Dichlorobenzene-d4 | 11.804 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

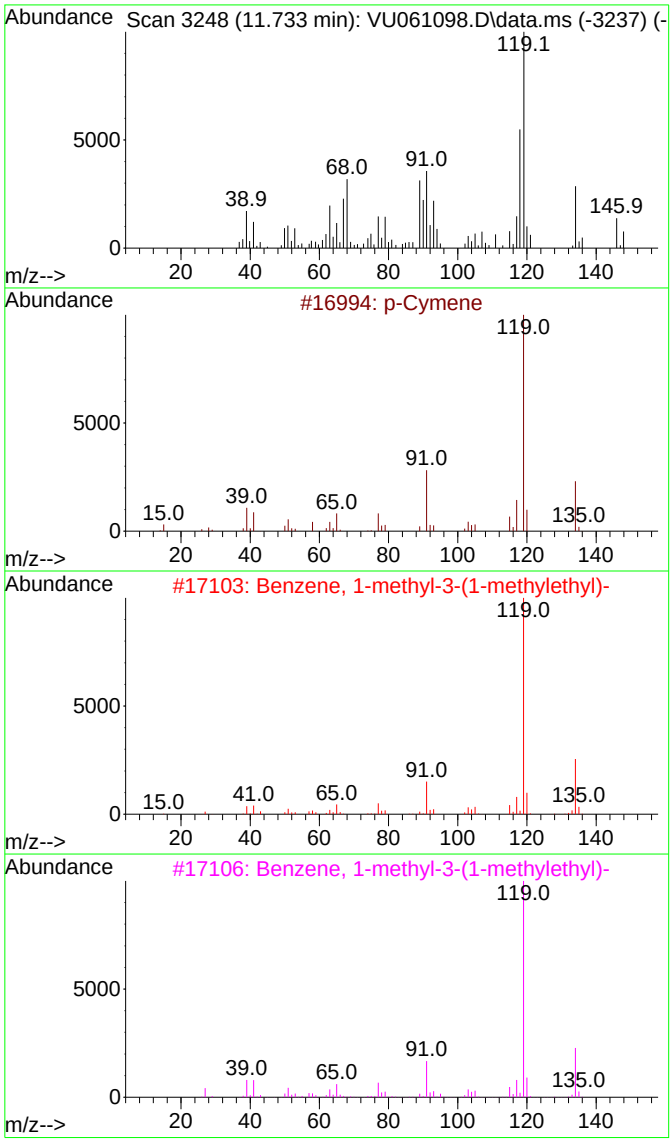
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

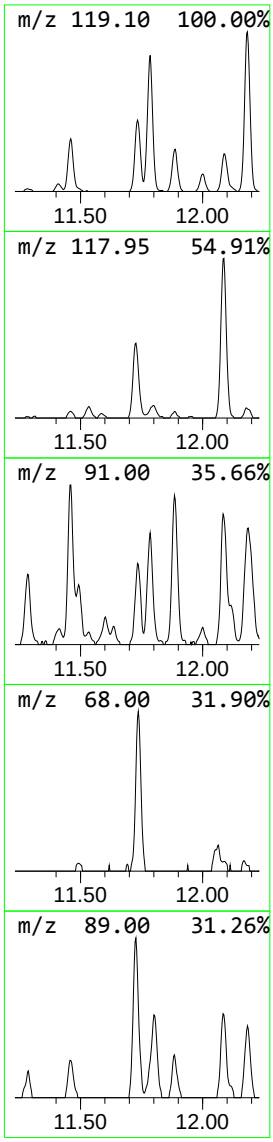
**********

Peak Number 8 p-Cymene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.733 | 0.68 ug/L | 102950 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Cymene | 134 | C10H14 | 000099-87-6 | 86 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 55 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 55 |
| 4 | p-Cymene | 134 | C10H14 | 000099-87-6 | 55 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 55 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

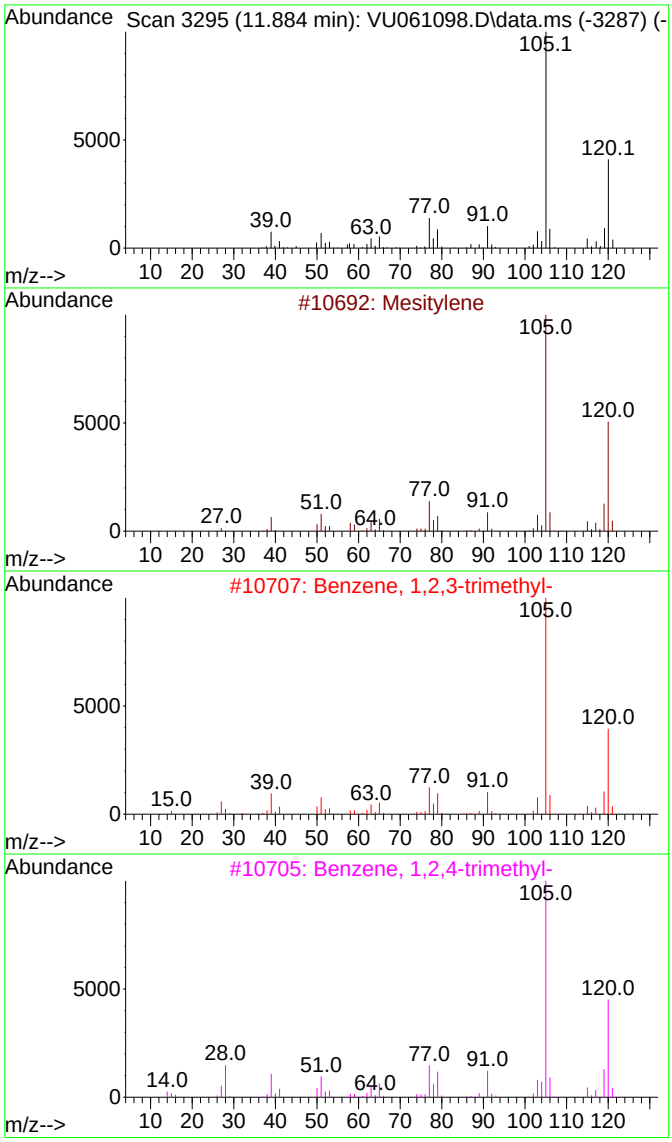
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

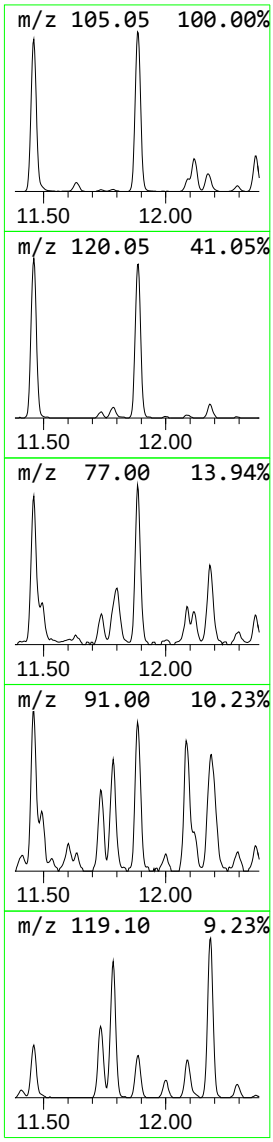
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.884 | 1.57 ug/L | 239479 | 1,4-Dichlorobenzene-d4 | 11.804 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

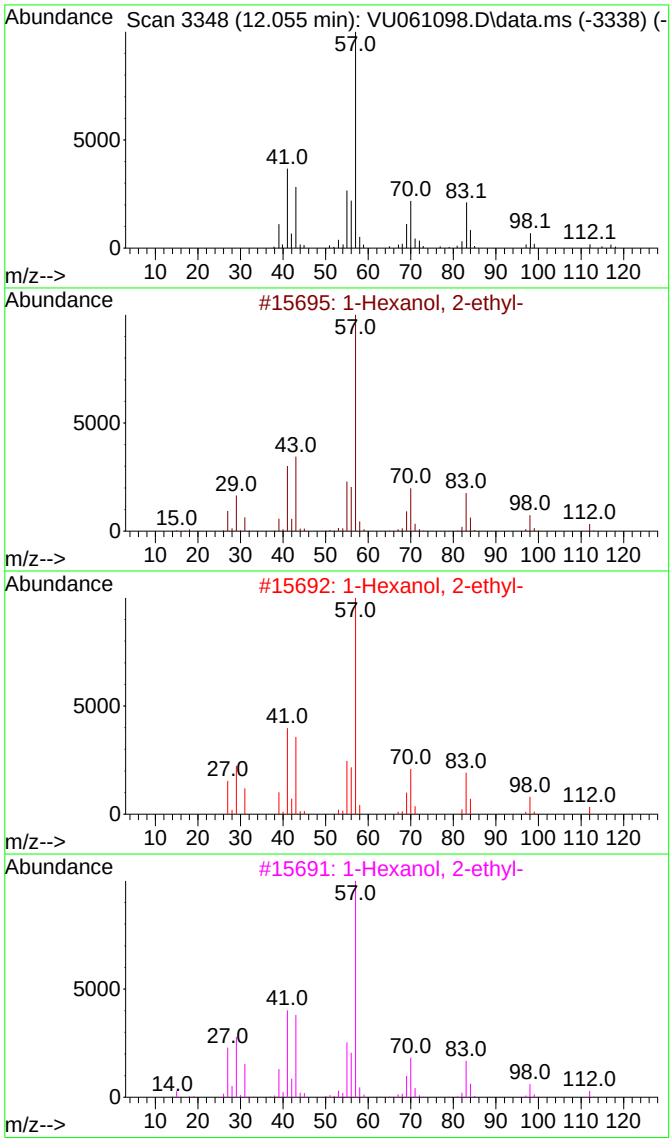
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

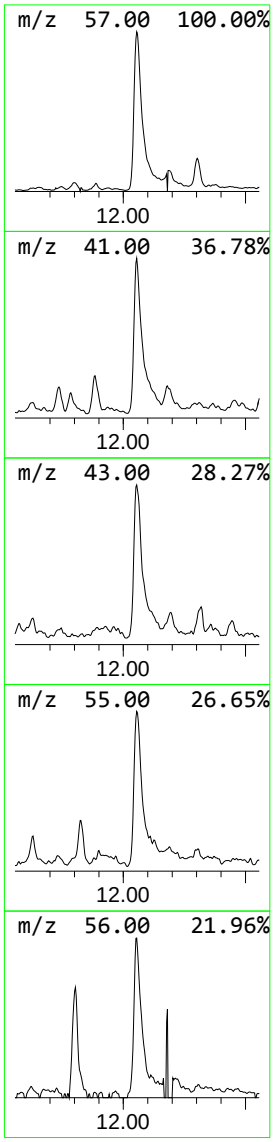
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 1-Hexanol, 2-ethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.055 | 0.63 ug/L | 96647 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 86 |
| 2 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 86 |
| 3 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 78 |
| 4 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 64 |
| 5 | Decane, 5,6-dipropyl- | 226 | C16H34 | 119209-20-0 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

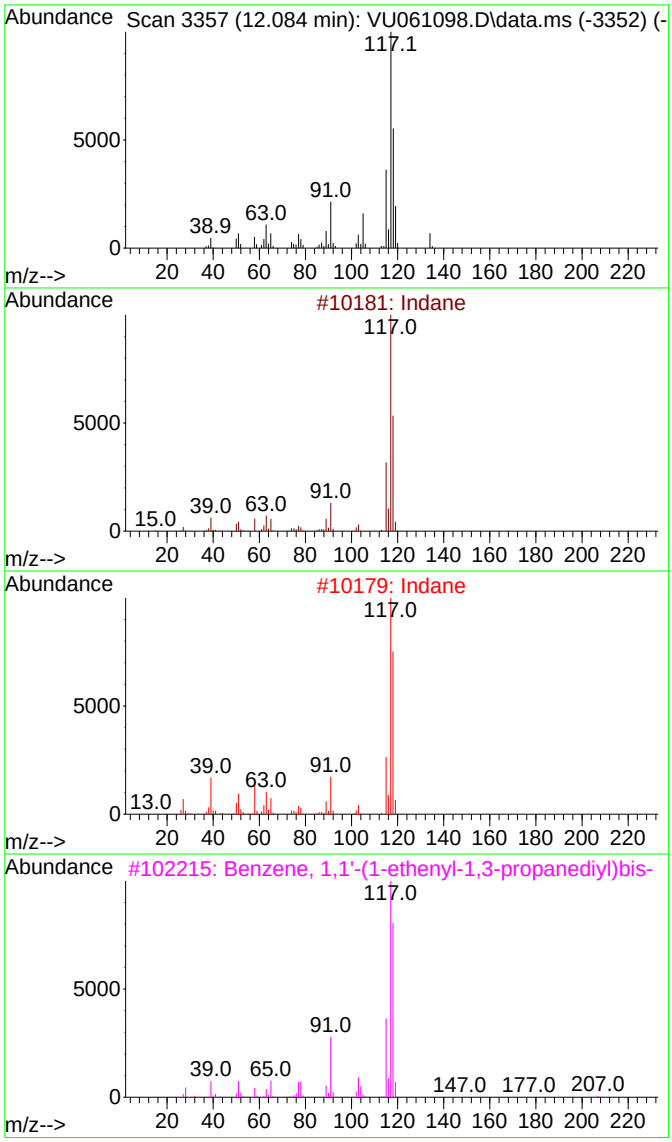
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

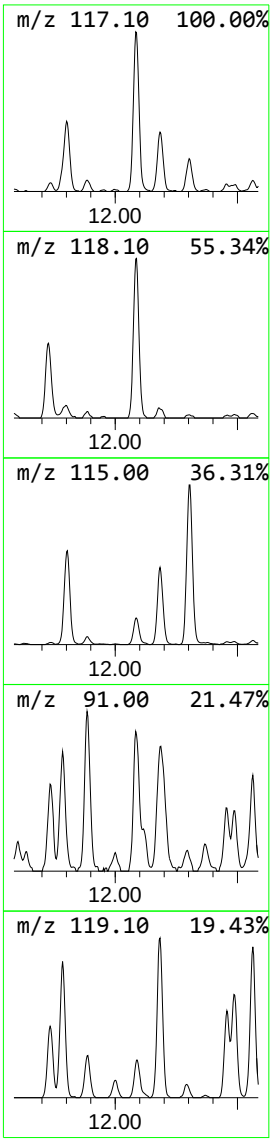
**********

Peak Number 11 Indane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.084 | 0.80 ug/L | 121551 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 92 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 76 |
| 3 | Benzene, 1,1'-(1-ethenyl-1,3-pro... | 222 | C17H18 | 061141-97-7 | 72 |
| 4 | Indane | 118 | C9H10 | 000496-11-7 | 70 |
| 5 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 70 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

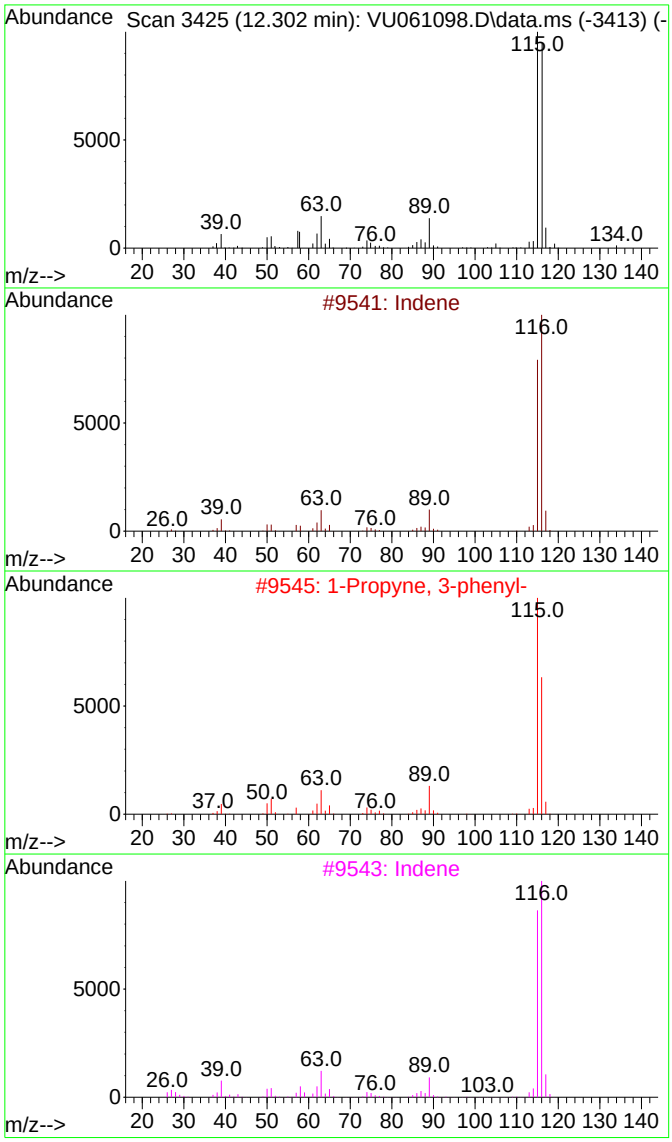
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

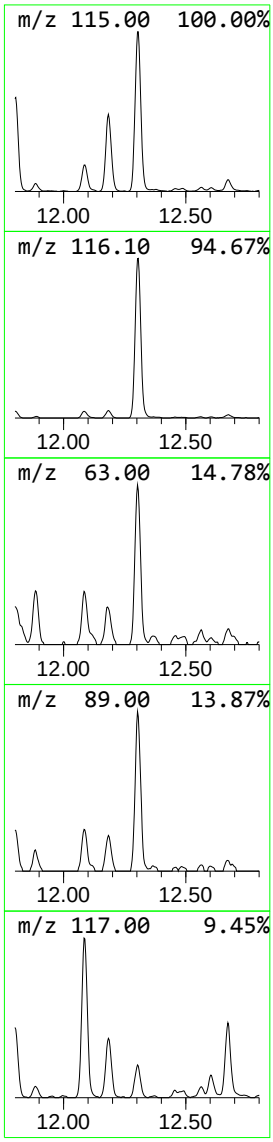
**********

Peak Number 12 Indene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.302 | 1.79 ug/L | 273186 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 95 |
| 2 | 1-Propyne, 3-phenyl- | 116 | C9H8 | 010147-11-2 | 95 |
| 3 | Indene | 116 | C9H8 | 000095-13-6 | 94 |
| 4 | Indene | 116 | C9H8 | 000095-13-6 | 94 |
| 5 | Benzene, 1,2-propadienyl- | 116 | C9H8 | 002327-99-3 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

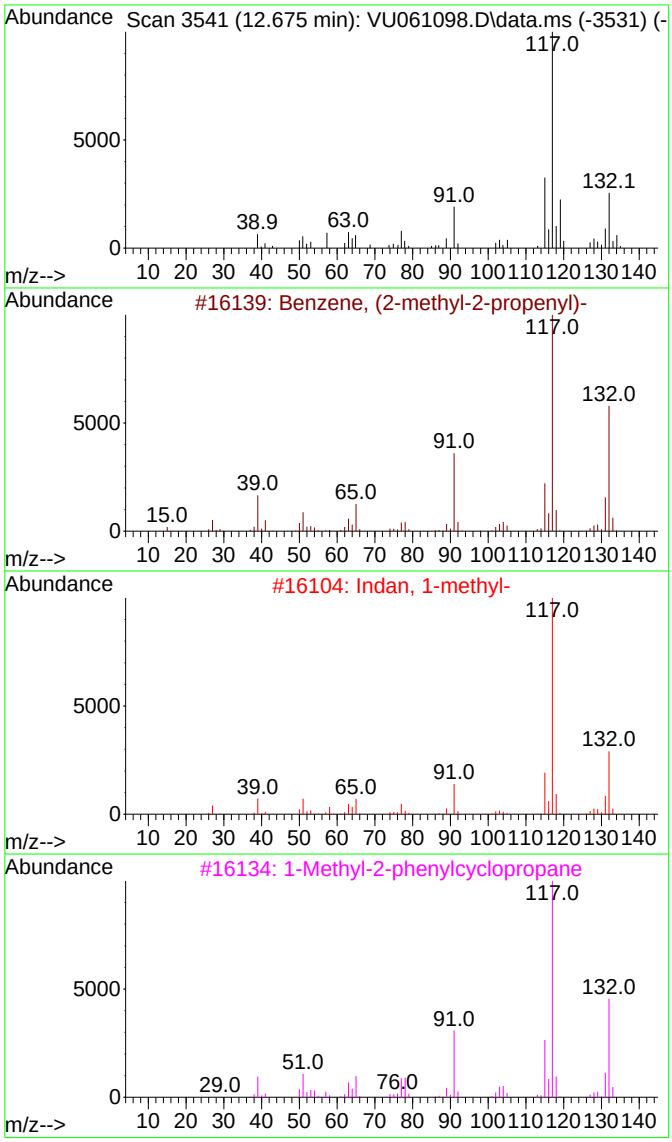
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

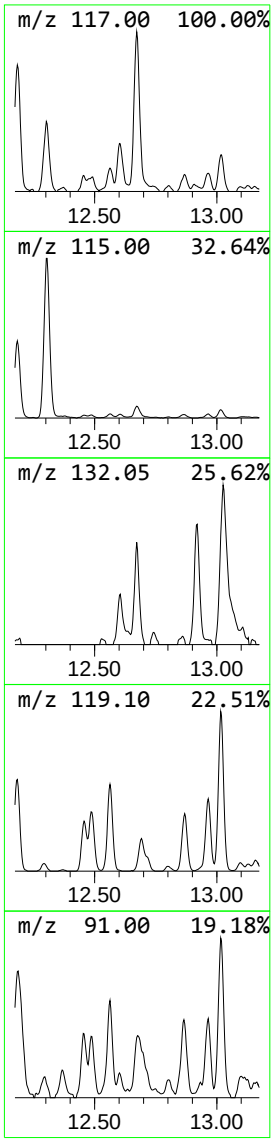
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Benzene, (2-methyl-2-propen... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.675 | 0.56 ug/L | 85509 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 83 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 81 |
| 3 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 81 |
| 4 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 76 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

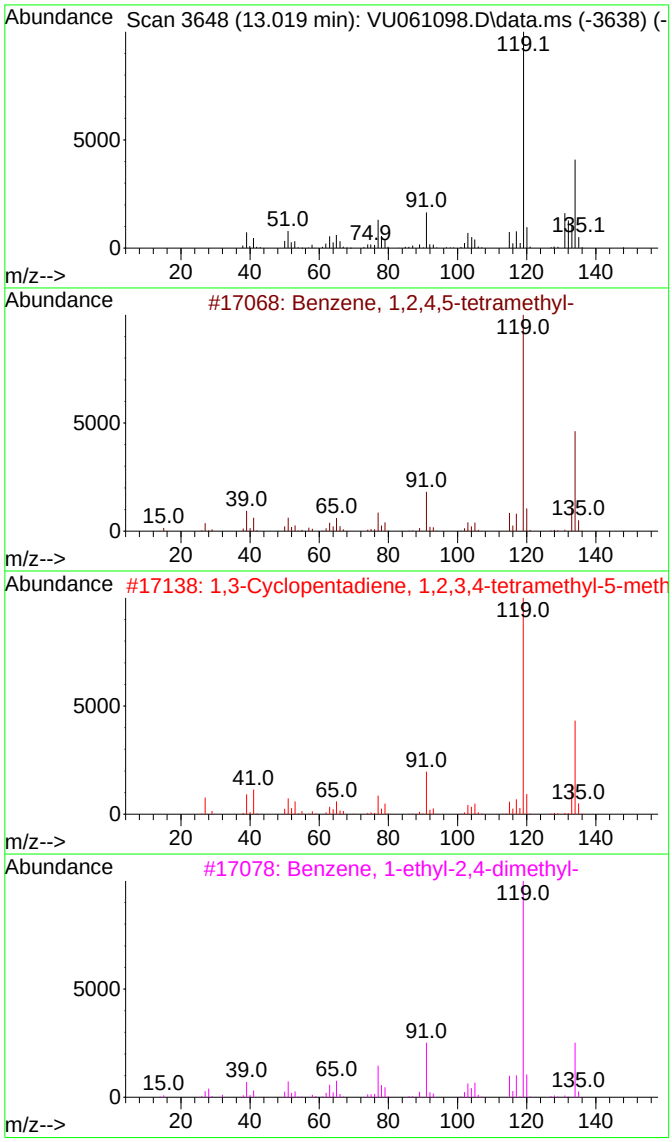
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

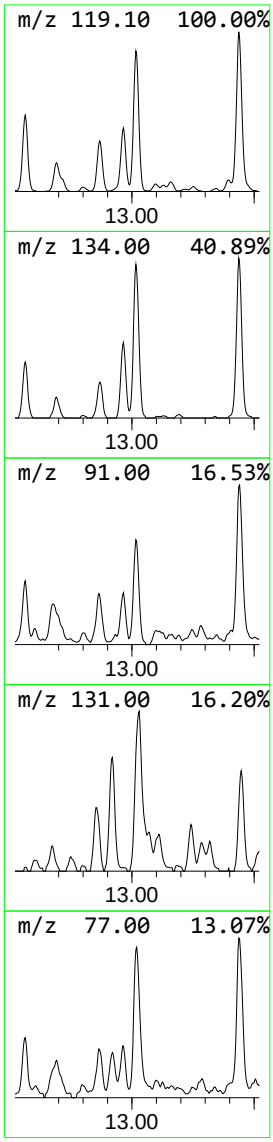
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.020 | 1.20 ug/L | 182573 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 2 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 95 |
| 3 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 94 |
| 4 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |
| 5 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

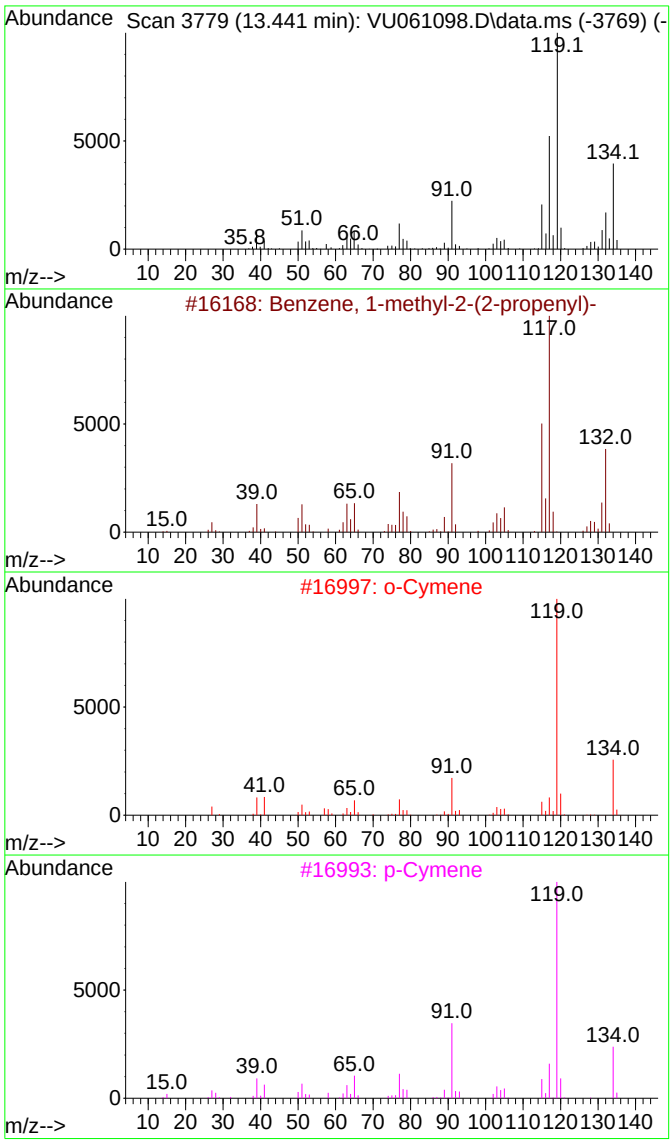
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

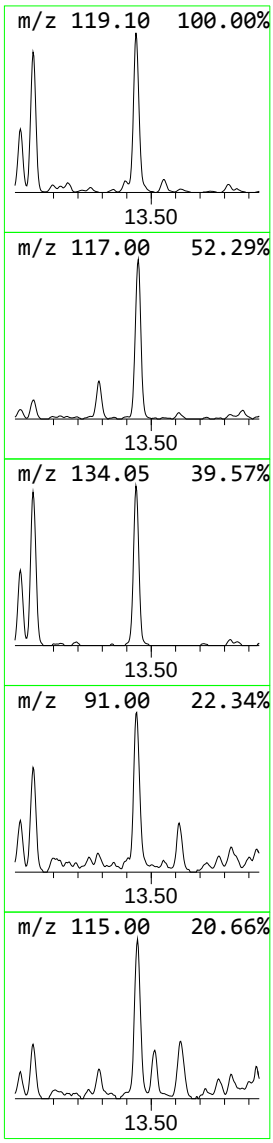
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 1-methyl-2-(2-prop... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.441 | 1.66 ug/L | 253286 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 70 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 64 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 64 |
| 4 | p-Cymene | 134 | C10H14 | 000099-87-6 | 64 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

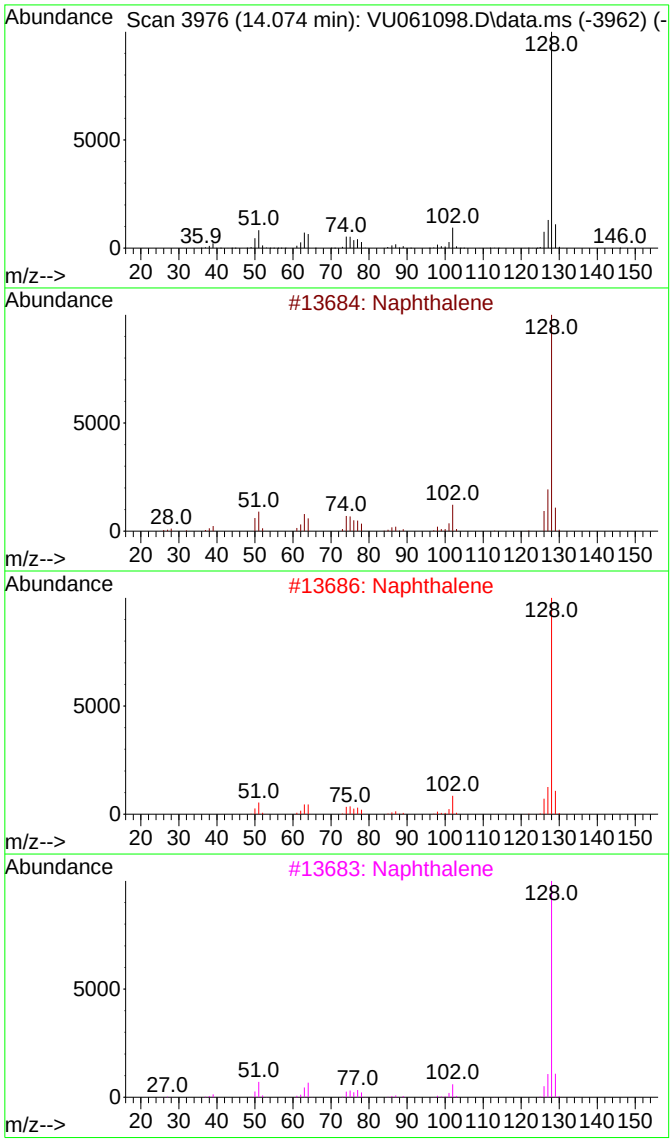
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

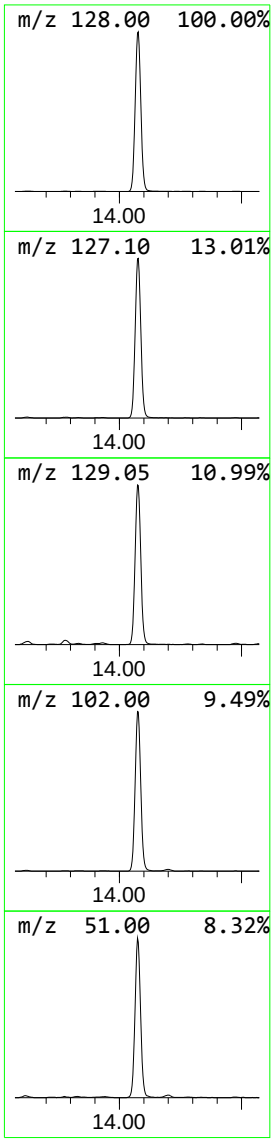
**********

Peak Number 16 Azulene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.074 | 17.60 ug/L | 2679830 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene | 128 | C10H8 | 000091-20-3 | 97 |
| 2 | Naphthalene | 128 | C10H8 | 000091-20-3 | 95 |
| 3 | Naphthalene | 128 | C10H8 | 000091-20-3 | 94 |
| 4 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |
| 5 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

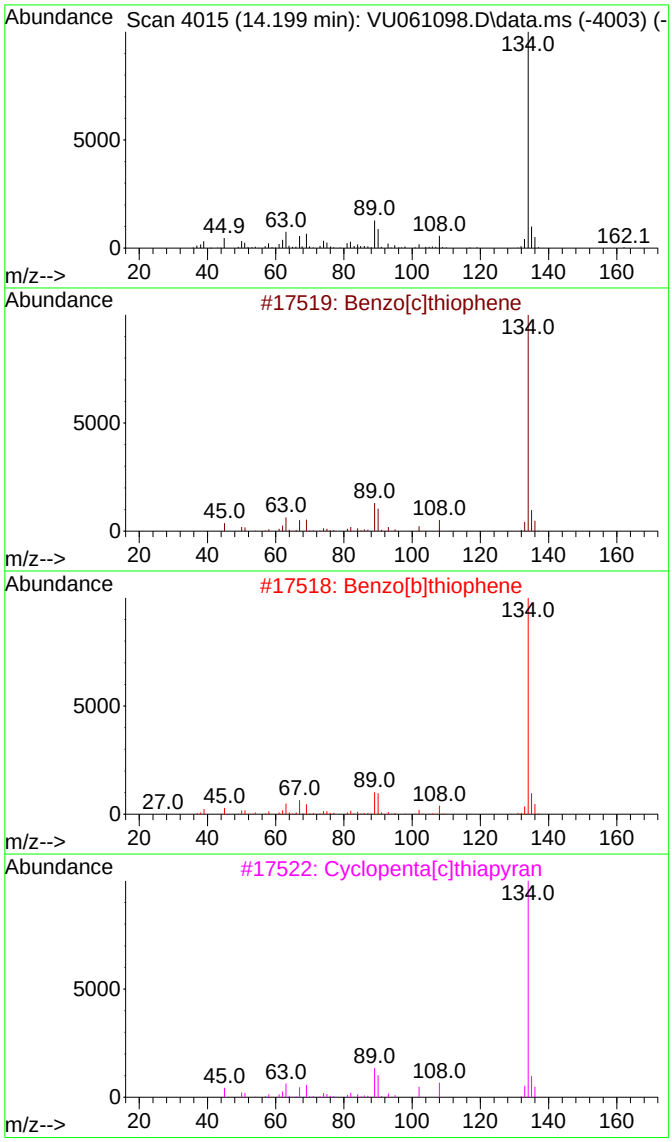
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

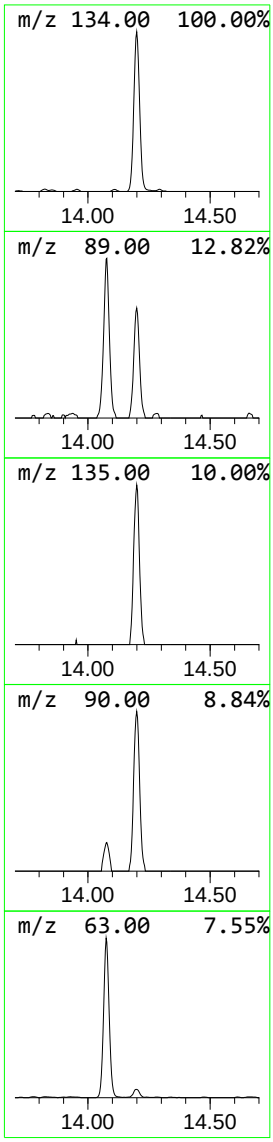
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Benzo[c]thiophene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.200 | 0.92 ug/L | 139704 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[c]thiophene | 134 | C8H6S | 000270-82-6 | 95 |
| 2 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 94 |
| 3 | Cyclopenta[c]thiapyran | 134 | C8H6S | 000270-63-3 | 94 |
| 4 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 93 |
| 5 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

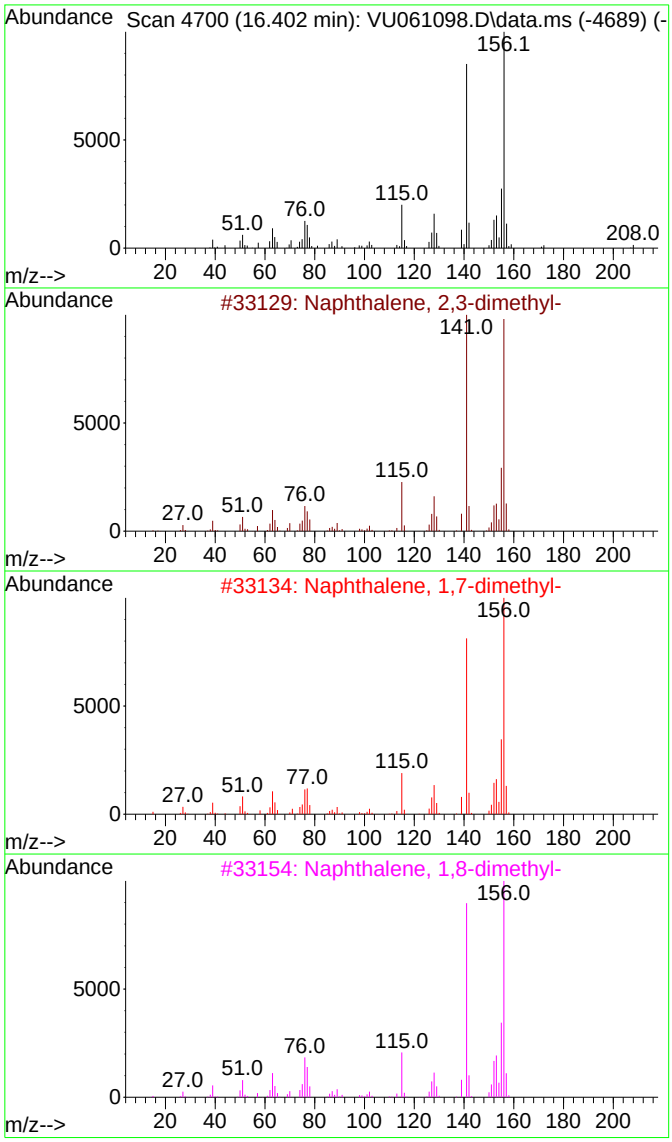
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

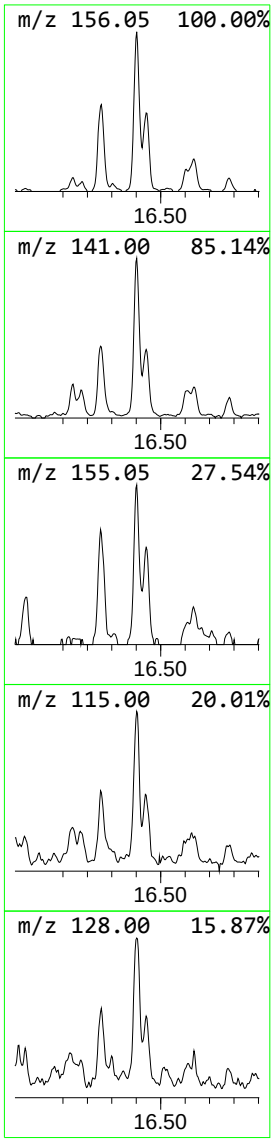
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Naphthalene, 2,3-dimethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.402 | 0.57 ug/L | 86119 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 98 |
| 3 | Naphthalene, 1,8-dimethyl- | 156 | C12H12 | 000569-41-5 | 98 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 5 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061098.D
Acq On : 10 Oct 2024 18:49
Operator : MD/SY
Sample : P4380-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E27H3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Sulfur dioxide | 1.451 | 0.6 | ug/L | 44439 | 1 | 6.238 | 393278 | 5.0 |
| unknown-01 | 2.232 | 1.0 | ug/L | 76895 | 1 | 6.238 | 393278 | 5.0 |
| Thiophene | 6.010 | 1.2 | ug/L | 93124 | 1 | 6.238 | 393278 | 5.0 |
| Benzene, 1-ethy... | 10.991 | 0.8 | ug/L | 119351 | 3 | 11.804 | 761290 | 5.0 |
| Benzene, 1-ethy... | 11.283 | 0.6 | ug/L | 87947 | 3 | 11.804 | 761290 | 5.0 |
| p-Cymene | 11.733 | 0.7 | ug/L | 102950 | 3 | 11.804 | 761290 | 5.0 |
| Benzene, 1,2,3-... | 11.884 | 1.6 | ug/L | 239479 | 3 | 11.804 | 761290 | 5.0 |
| 1-Hexanol, 2-et... | 12.055 | 0.6 | ug/L | 96647 | 3 | 11.804 | 761290 | 5.0 |
| Indane | 12.084 | 0.8 | ug/L | 121551 | 3 | 11.804 | 761290 | 5.0 |
| Indene | 12.302 | 1.8 | ug/L | 273186 | 3 | 11.804 | 761290 | 5.0 |
| Benzene, (2-met... | 12.675 | 0.6 | ug/L | 85509 | 3 | 11.804 | 761290 | 5.0 |
| Benzene, 1,2,4,... | 13.020 | 1.2 | ug/L | 182573 | 3 | 11.804 | 761290 | 5.0 |
| Benzene, 1-meth... | 13.441 | 1.7 | ug/L | 253286 | 3 | 11.804 | 761290 | 5.0 |
| Azulene | 14.074 | 17.6 | ug/L | 2679830 | 3 | 11.804 | 761290 | 5.0 |
| Benzo[c]thiophene | 14.200 | 0.9 | ug/L | 139704 | 3 | 11.804 | 761290 | 5.0 |
| Naphthalene, 2,... | 16.402 | 0.6 | ug/L | 86119 | 3 | 11.804 | 761290 | 5.0 |