LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

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\SFAMUTR111324WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU061821.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.489 | 54 | 62 | 66 | rBV | 37924 | 57278 | 6.94% | 0.412% |
| 2 | 1.596 | 90 | 95 | 107 | rVB2 | 65451 | 79110 | 9.59% | 0.569% |
| 3 | 1.904 | 185 | 191 | 211 | rVB | 49492 | 73365 | 8.89% | 0.528% |
| 4 | 2.560 | 384 | 395 | 407 | rBV | 85421 | 140884 | 17.07% | 1.013% |
| 5 | 2.624 | 407 | 415 | 425 | rVV | 11503 | 20632 | 2.50% | 0.148% |
| 6 | 3.351 | 631 | 641 | 660 | rVB6 | 6529 | 14130 | 1.71% | 0.102% |
| 7 | 4.615 | 1025 | 1034 | 1040 | rBV | 74201 | 144808 | 17.55% | 1.041% |
| 8 | 5.052 | 1155 | 1170 | 1195 | rBV | 94913 | 211519 | 25.63% | 1.521% |
| 9 | 5.714 | 1358 | 1376 | 1414 | rBV2 | 186108 | 493801 | 59.84% | 3.551% |
| 10 | 6.238 | 1526 | 1539 | 1580 | rBV | 188627 | 375476 | 45.50% | 2.700% |
| 11 | 6.682 | 1654 | 1677 | 1691 | rBV | 116012 | 233601 | 28.31% | 1.680% |
| 12 | 6.756 | 1691 | 1700 | 1711 | rVB6 | 10905 | 22754 | 2.76% | 0.164% |
| 13 | 7.560 | 1939 | 1950 | 1970 | rBV | 50998 | 95027 | 11.51% | 0.683% |
| 14 | 7.891 | 2042 | 2053 | 2074 | rVB | 222296 | 395335 | 47.90% | 2.843% |
| 15 | 8.174 | 2128 | 2141 | 2154 | rBV | 31196 | 53424 | 6.47% | 0.384% |
| 16 | 8.624 | 2268 | 2281 | 2311 | rBV2 | 253594 | 503802 | 61.05% | 3.623% |
| 17 | 8.856 | 2344 | 2353 | 2363 | rVB2 | 7076 | 12147 | 1.47% | 0.087% |
| 18 | 9.409 | 2512 | 2525 | 2547 | rBV | 282408 | 479546 | 58.11% | 3.449% |
| 19 | 9.563 | 2562 | 2573 | 2586 | rBV | 51703 | 85188 | 10.32% | 0.613% |
| 20 | 9.695 | 2597 | 2614 | 2632 | rVB3 | 10901 | 24870 | 3.01% | 0.179% |
| 21 | 10.094 | 2727 | 2738 | 2754 | rVB | 77718 | 129790 | 15.73% | 0.933% |
| 22 | 10.264 | 2784 | 2791 | 2800 | rVB4 | 5634 | 8811 | 1.07% | 0.063% |
| 23 | 10.479 | 2844 | 2858 | 2871 | rBV | 16177 | 27291 | 3.31% | 0.196% |
| 24 | 10.746 | 2930 | 2941 | 2952 | rVV | 98485 | 159939 | 19.38% | 1.150% |
| 25 | 10.804 | 2952 | 2959 | 2972 | rVB6 | 7280 | 12603 | 1.53% | 0.091% |
| 26 | 10.901 | 2976 | 2989 | 2998 | rBV2 | 8007 | 15438 | 1.87% | 0.111% |
| 27 | 11.016 | 3012 | 3025 | 3038 | rBV | 74298 | 124808 | 15.12% | 0.898% |
| 28 | 11.081 | 3038 | 3045 | 3062 | rVB3 | 13144 | 22347 | 2.71% | 0.161% |
| 29 | 11.283 | 3095 | 3108 | 3124 | rBV | 218885 | 363471 | 44.04% | 2.614% |
| 30 | 11.463 | 3156 | 3164 | 3177 | rBV2 | 8663 | 15561 | 1.89% | 0.112% |
| 31 | 11.634 | 3209 | 3217 | 3226 | rVB2 | 8900 | 13938 | 1.69% | 0.100% |
| 32 | 11.733 | 3235 | 3248 | 3257 | rBV | 51657 | 78747 | 9.54% | 0.566% |
| 33 | 11.804 | 3257 | 3270 | 3284 | rBV | 281539 | 461860 | 55.97% | 3.322% |
| 34 | 11.885 | 3284 | 3295 | 3310 | rVV | 450115 | 694697 | 84.18% | 4.996% |
| 35 | 12.000 | 3322 | 3331 | 3344 | rVB | 21860 | 35532 | 4.31% | 0.256% |
| 36 | 12.087 | 3344 | 3358 | 3376 | rBV2 | 213935 | 407062 | 49.33% | 2.928% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

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\SFAMUTR111324WMA.M
Title : TRACE VOA SFAM1.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.184 | 3376 | 3388 | 3409 | rVB3 | 295889 | 517494 | 62.71% | 3.722% |
| 38 | 12.293 | 3409 | 3422 | 3435 | rBV2 | 44369 | 77492 | 9.39% | 0.557% |
| 39 | 12.367 | 3435 | 3445 | 3461 | rVB | 101840 | 161034 | 19.51% | 1.158% |
| 40 | 12.454 | 3461 | 3472 | 3477 | rBV4 | 7342 | 11202 | 1.36% | 0.081% |
| 41 | 12.489 | 3477 | 3483 | 3489 | rVB2 | 7460 | 9671 | 1.17% | 0.070% |
| 42 | 12.563 | 3491 | 3506 | 3513 | rBV | 121901 | 187050 | 22.67% | 1.345% |
| 43 | 12.605 | 3513 | 3519 | 3530 | rVB | 49544 | 75234 | 9.12% | 0.541% |
| 44 | 12.672 | 3530 | 3540 | 3560 | rBV4 | 155600 | 396219 | 48.01% | 2.850% |
| 45 | 12.801 | 3572 | 3580 | 3587 | rBV2 | 25701 | 37224 | 4.51% | 0.268% |
| 46 | 12.865 | 3590 | 3600 | 3614 | rVB2 | 109512 | 193242 | 23.42% | 1.390% |
| 47 | 12.965 | 3614 | 3631 | 3639 | rBV | 91763 | 160633 | 19.46% | 1.155% |
| 48 | 13.016 | 3639 | 3647 | 3663 | rVB | 157063 | 252753 | 30.63% | 1.818% |
| 49 | 13.100 | 3663 | 3673 | 3679 | rBV3 | 47798 | 84505 | 10.24% | 0.608% |
| 50 | 13.190 | 3695 | 3701 | 3709 | rBV | 14407 | 17877 | 2.17% | 0.129% |
| 51 | 13.245 | 3710 | 3718 | 3724 | rBV3 | 32390 | 49456 | 5.99% | 0.356% |
| 52 | 13.283 | 3724 | 3730 | 3738 | rVB | 30012 | 41528 | 5.03% | 0.299% |
| 53 | 13.341 | 3744 | 3748 | 3756 | rVB2 | 17799 | 22075 | 2.67% | 0.159% |
| 54 | 13.399 | 3756 | 3766 | 3770 | rBV5 | 29790 | 49640 | 6.02% | 0.357% |
| 55 | 13.444 | 3770 | 3780 | 3793 | rVV3 | 470120 | 825263 | 100.00% | 5.935% |
| 56 | 13.508 | 3794 | 3800 | 3808 | rVV6 | 43003 | 79028 | 9.58% | 0.568% |
| 57 | 13.550 | 3809 | 3813 | 3819 | rVV2 | 17340 | 23203 | 2.81% | 0.167% |
| 58 | 13.614 | 3820 | 3833 | 3856 | rVB | 442164 | 733033 | 88.82% | 5.272% |
| 59 | 13.724 | 3857 | 3867 | 3875 | rBV4 | 32558 | 59464 | 7.21% | 0.428% |
| 60 | 13.778 | 3875 | 3884 | 3891 | rVV2 | 57321 | 94871 | 11.50% | 0.682% |
| 61 | 13.830 | 3891 | 3900 | 3915 | rVV6 | 128210 | 319137 | 38.67% | 2.295% |
| 62 | 13.901 | 3916 | 3922 | 3926 | rVV | 80361 | 127116 | 15.40% | 0.914% |
| 63 | 13.933 | 3926 | 3932 | 3948 | rVB2 | 126286 | 253079 | 30.67% | 1.820% |
| 64 | 14.010 | 3949 | 3956 | 3961 | rBV3 | 10218 | 14511 | 1.76% | 0.104% |
| 65 | 14.048 | 3962 | 3968 | 3977 | rVB3 | 23068 | 32554 | 3.94% | 0.234% |
| 66 | 14.106 | 3977 | 3986 | 3999 | rVB5 | 27477 | 47674 | 5.78% | 0.343% |
| 67 | 14.180 | 3999 | 4009 | 4024 | rVB | 112157 | 191614 | 23.22% | 1.378% |
| 68 | 14.277 | 4024 | 4039 | 4050 | rBV2 | 175424 | 306967 | 37.20% | 2.208% |
| 69 | 14.338 | 4050 | 4058 | 4067 | rVV2 | 51284 | 82048 | 9.94% | 0.590% |
| 70 | 14.386 | 4069 | 4073 | 4080 | rVB2 | 9836 | 11157 | 1.35% | 0.080% |
| 71 | 14.476 | 4090 | 4101 | 4121 | rBV2 | 42223 | 84739 | 10.27% | 0.609% |
| 72 | 14.675 | 4148 | 4163 | 4172 | rBV4 | 147067 | 378254 | 45.83% | 2.720% |
| 73 | 14.720 | 4173 | 4177 | 4183 | rVB | 15838 | 18009 | 2.18% | 0.130% |
| 74 | 14.801 | 4193 | 4202 | 4213 | rBV3 | 57045 | 99987 | 12.12% | 0.719% |
| 75 | 14.868 | 4214 | 4223 | 4234 | rVB3 | 113994 | 191001 | 23.14% | 1.374% |
| 76 | 14.929 | 4234 | 4242 | 4255 | rVB3 | 29758 | 46061 | 5.58% | 0.331% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

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\SFAMUTR111324WMA.M
Title : TRACE VOA SFAM1.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 15.007 | 4255 | 4266 | 4280 | rBV2 | 223433 | 383167 | 46.43% | 2.756% |
| 78 | 15.148 | 4301 | 4310 | 4313 | rBV9 | 12834 | 18288 | 2.22% | 0.132% |
| 79 | 15.190 | 4314 | 4323 | 4337 | rVV4 | 86231 | 212651 | 25.77% | 1.529% |
| 80 | 15.264 | 4338 | 4346 | 4357 | rVB2 | 75280 | 133832 | 16.22% | 0.963% |
| 81 | 15.335 | 4360 | 4368 | 4378 | rBV4 | 18602 | 32834 | 3.98% | 0.236% |
| 82 | 15.457 | 4397 | 4406 | 4412 | rVV3 | 51466 | 86968 | 10.54% | 0.625% |
| 83 | 15.492 | 4413 | 4417 | 4429 | rVB4 | 41668 | 62386 | 7.56% | 0.449% |
| 84 | 15.579 | 4430 | 4444 | 4454 | rBV5 | 41554 | 100719 | 12.20% | 0.724% |
| 85 | 15.675 | 4470 | 4474 | 4484 | rVB5 | 15087 | 21664 | 2.63% | 0.156% |
| 86 | 15.753 | 4487 | 4498 | 4508 | rVB3 | 22143 | 38207 | 4.63% | 0.275% |
| 87 | 15.823 | 4510 | 4520 | 4527 | rBV4 | 16722 | 25413 | 3.08% | 0.183% |
| 88 | 15.871 | 4528 | 4535 | 4539 | rVV4 | 14701 | 22475 | 2.72% | 0.162% |
| 89 | 15.917 | 4539 | 4549 | 4564 | rVB3 | 89989 | 176008 | 21.33% | 1.266% |
| 90 | 15.990 | 4566 | 4572 | 4579 | rBV5 | 9112 | 13070 | 1.58% | 0.094% |
| 91 | 16.071 | 4591 | 4597 | 4608 | rVV5 | 6277 | 12453 | 1.51% | 0.090% |
| 92 | 16.138 | 4611 | 4618 | 4636 | rVB5 | 16556 | 45401 | 5.50% | 0.327% |
| 93 | 16.254 | 4649 | 4654 | 4661 | rBV4 | 13264 | 16667 | 2.02% | 0.120% |
| 94 | 16.309 | 4663 | 4671 | 4679 | rBV4 | 11264 | 22991 | 2.79% | 0.165% |
| 95 | 16.447 | 4710 | 4714 | 4727 | rVB4 | 9521 | 16245 | 1.97% | 0.117% |
| 96 | 16.643 | 4768 | 4775 | 4781 | rBV8 | 7551 | 11257 | 1.36% | 0.081% |

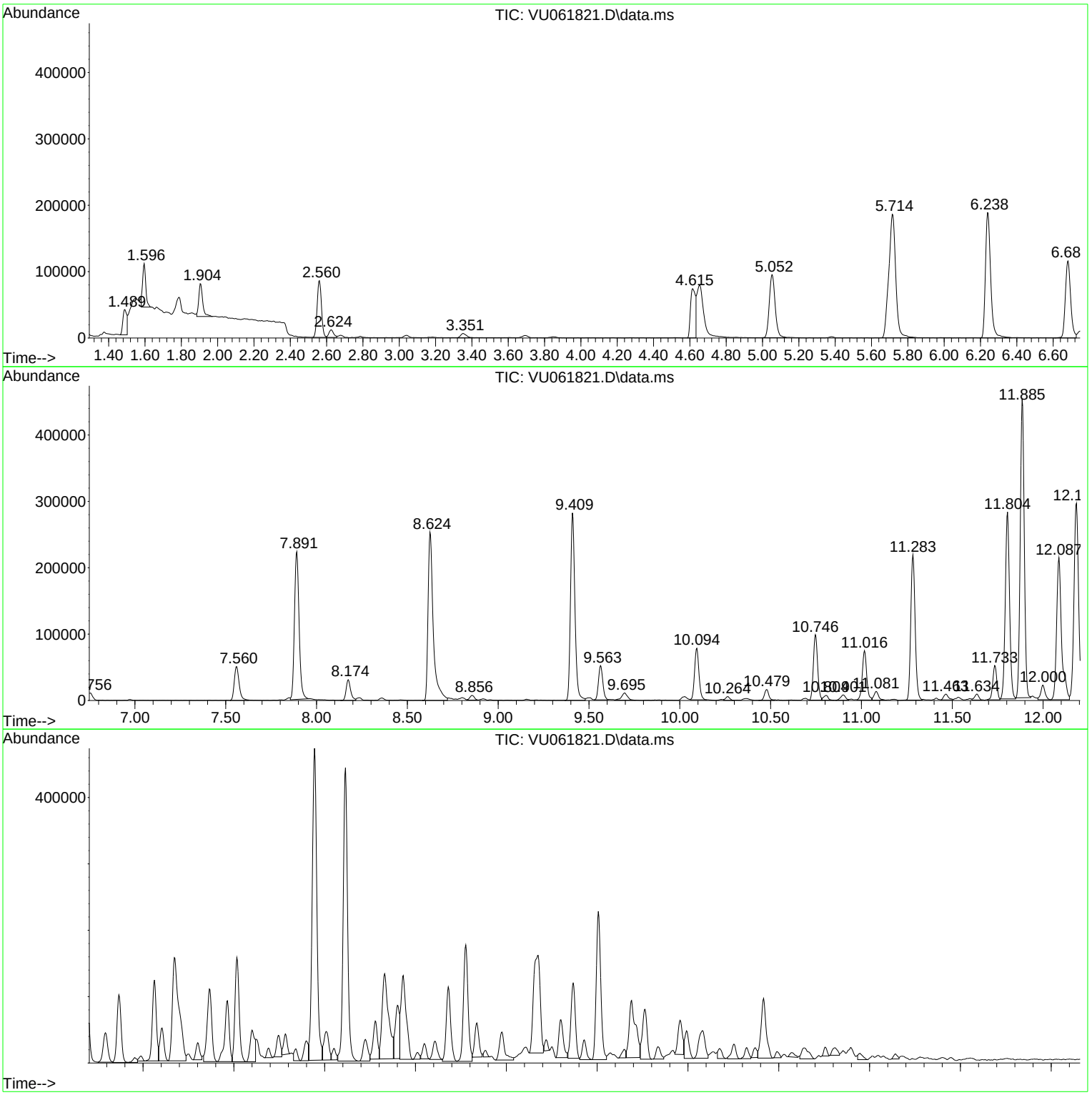
Sum of corrected areas: 13904387

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.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\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

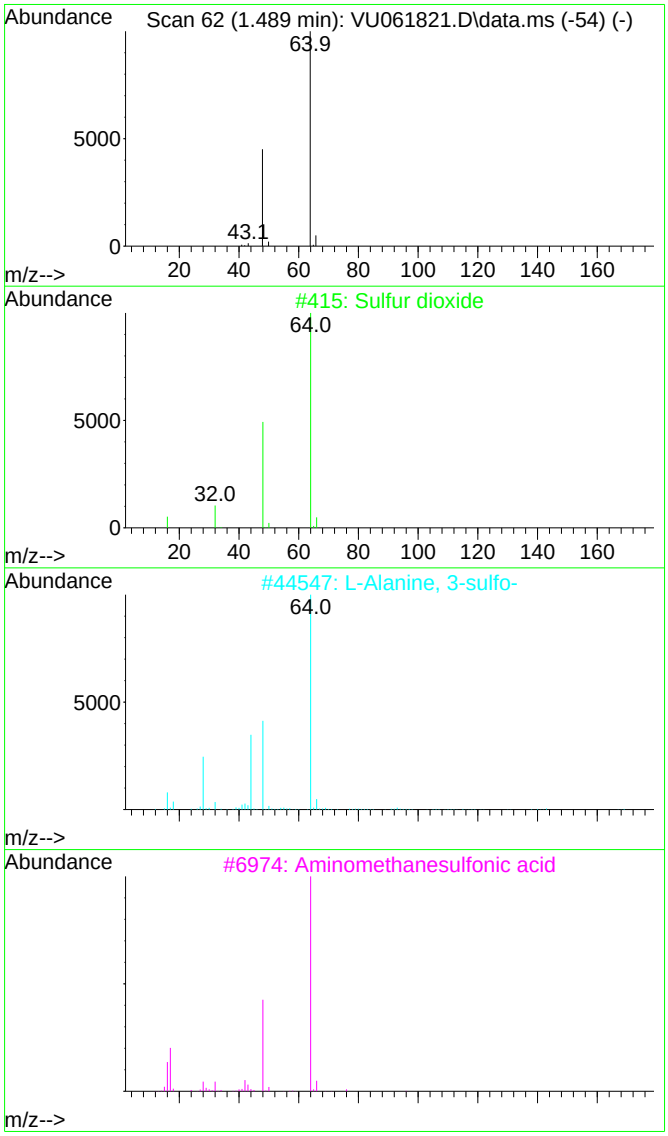
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

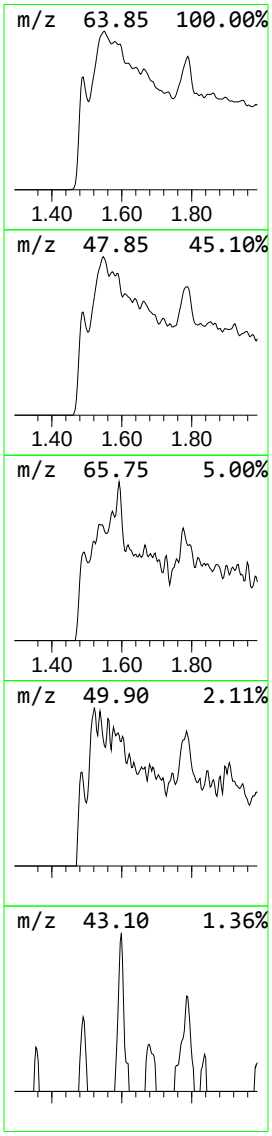
**********

Peak Number 1 Sulfur dioxide Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.489 | 0.76 ug/L | 57278 | 1,4-Difluorobenzene | 6.242 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 90 |
| 2 | L-Alanine, 3-sulfo- | 169 | C3H7NO5S | 000498-40-8 | 9 |
| 3 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |
| 4 | Ethene, 1,1-difluoro- | 64 | C2H2F2 | 000075-38-7 | 5 |
| 5 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 4 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

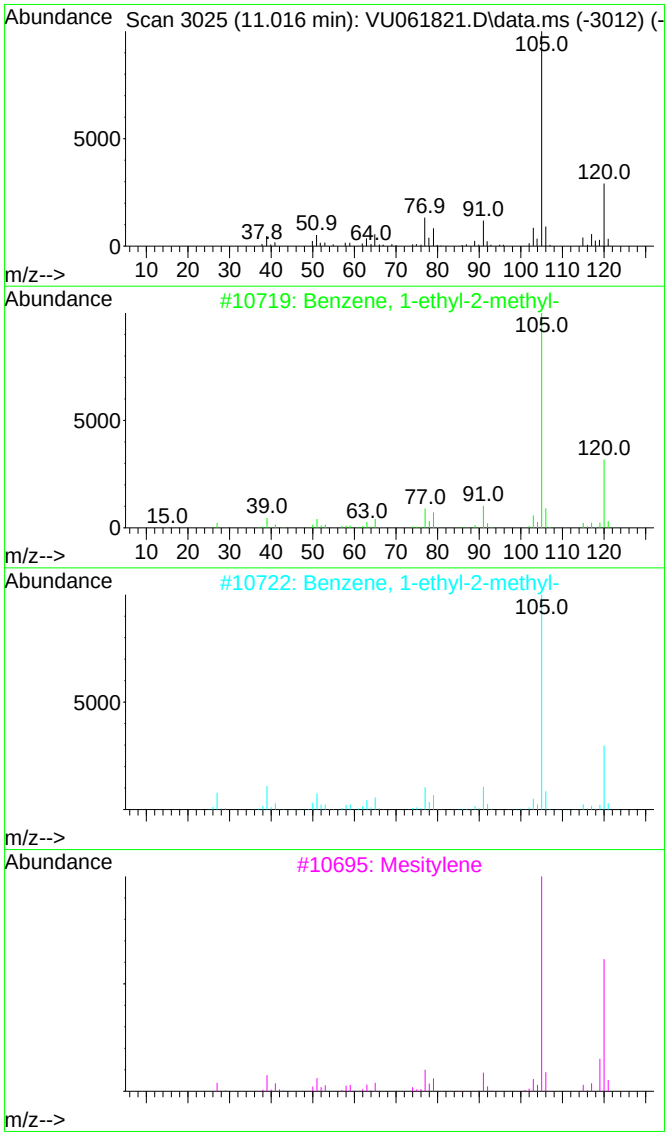
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

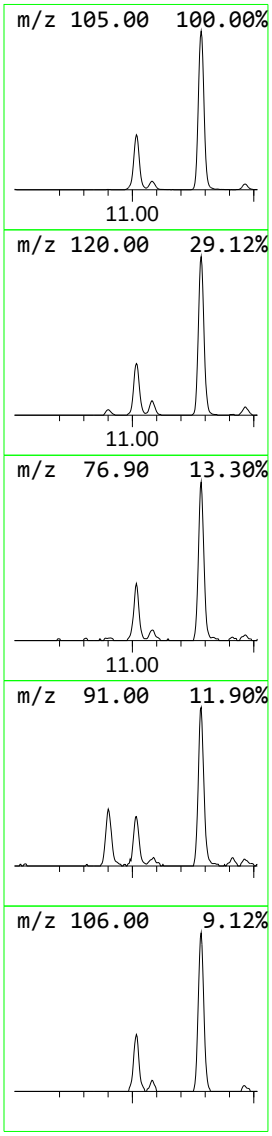
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.016 | 1.35 ug/L | 124808 | 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-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

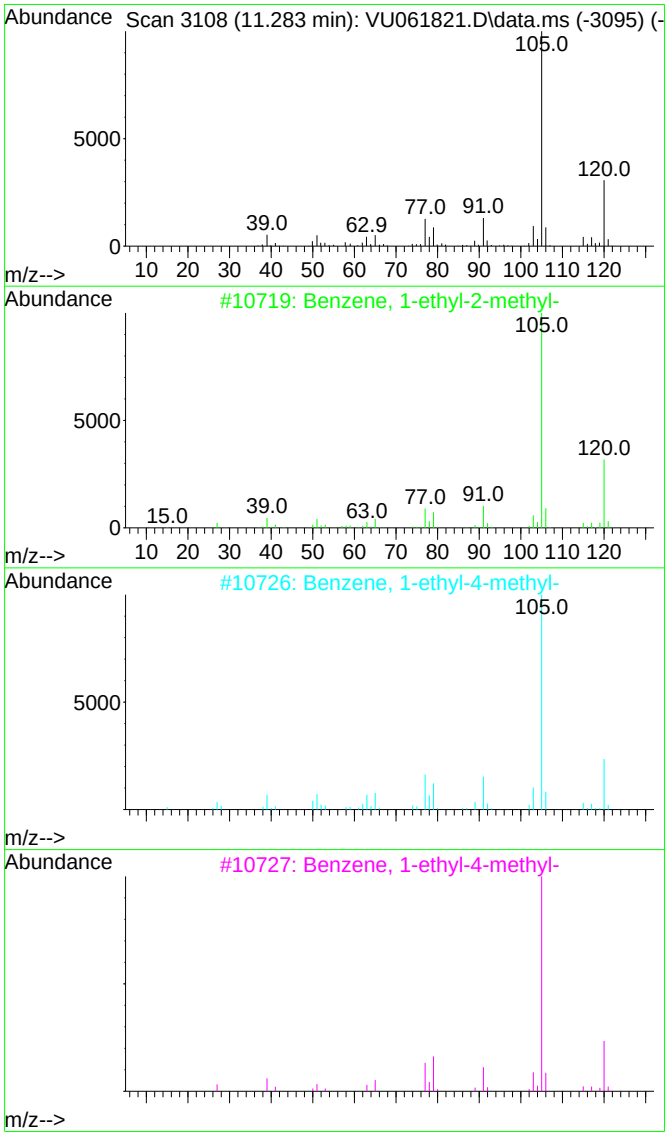
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

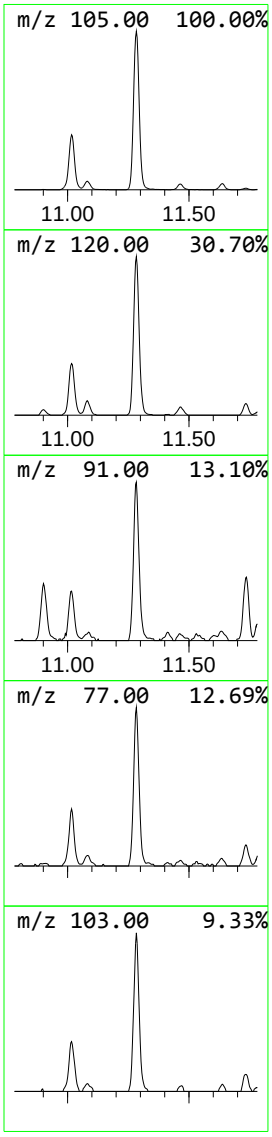
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.283 | 3.93 ug/L | 363471 | 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 | 94 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 94 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

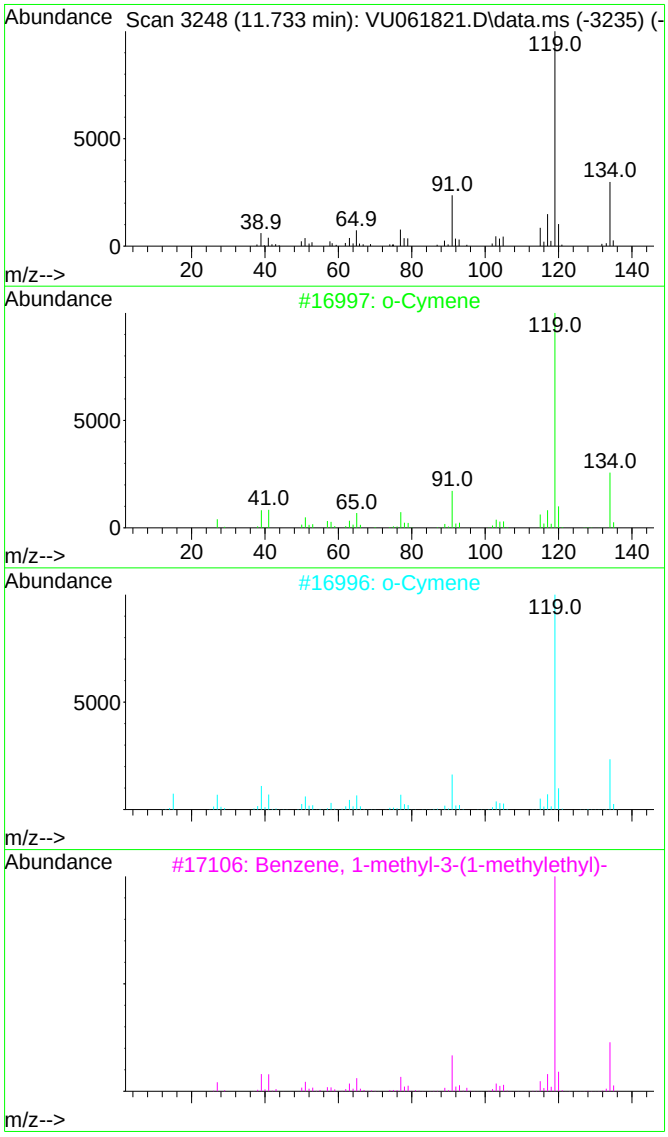
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

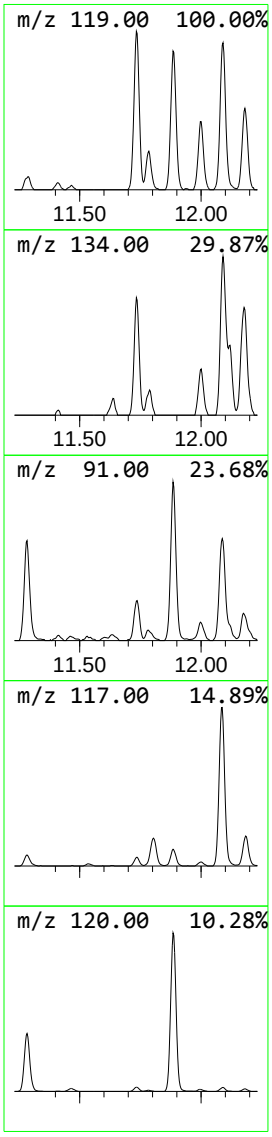
**********

Peak Number 5 o-Cymene Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.733 | 0.85 ug/L | 78747 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 97 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 97 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

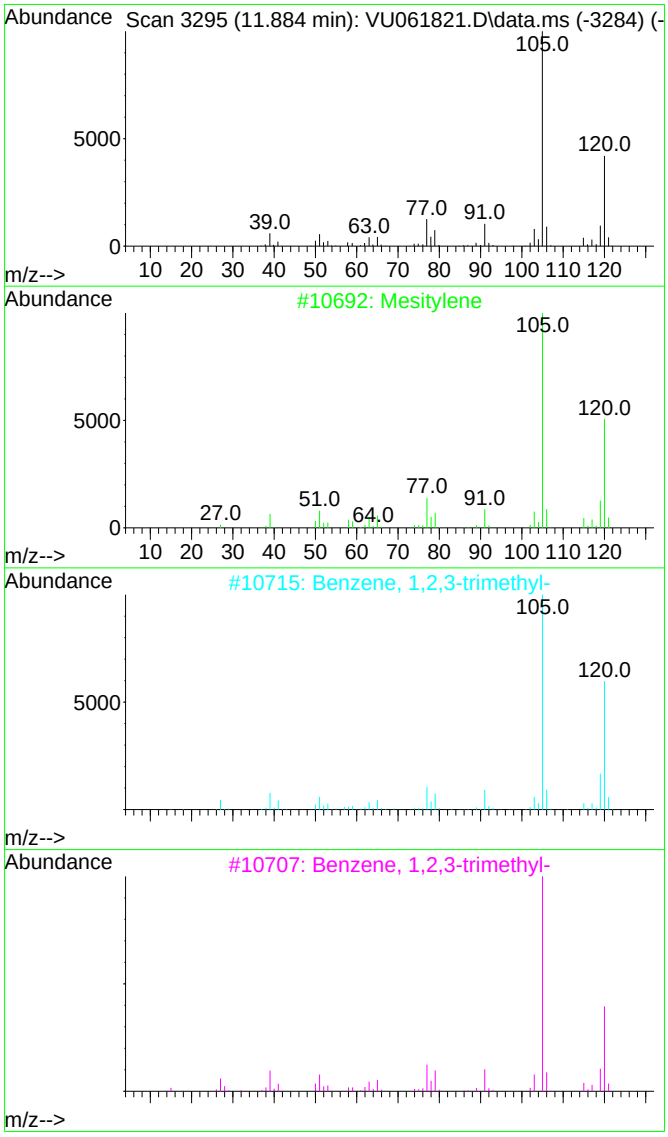
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

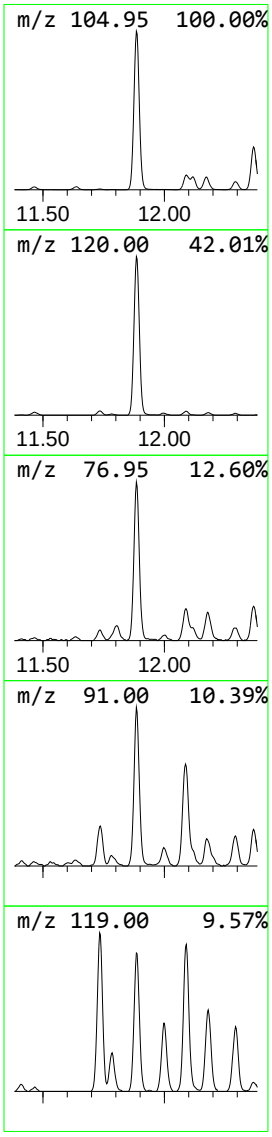
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.884 | 7.52 ug/L | 694697 | 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, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 4 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

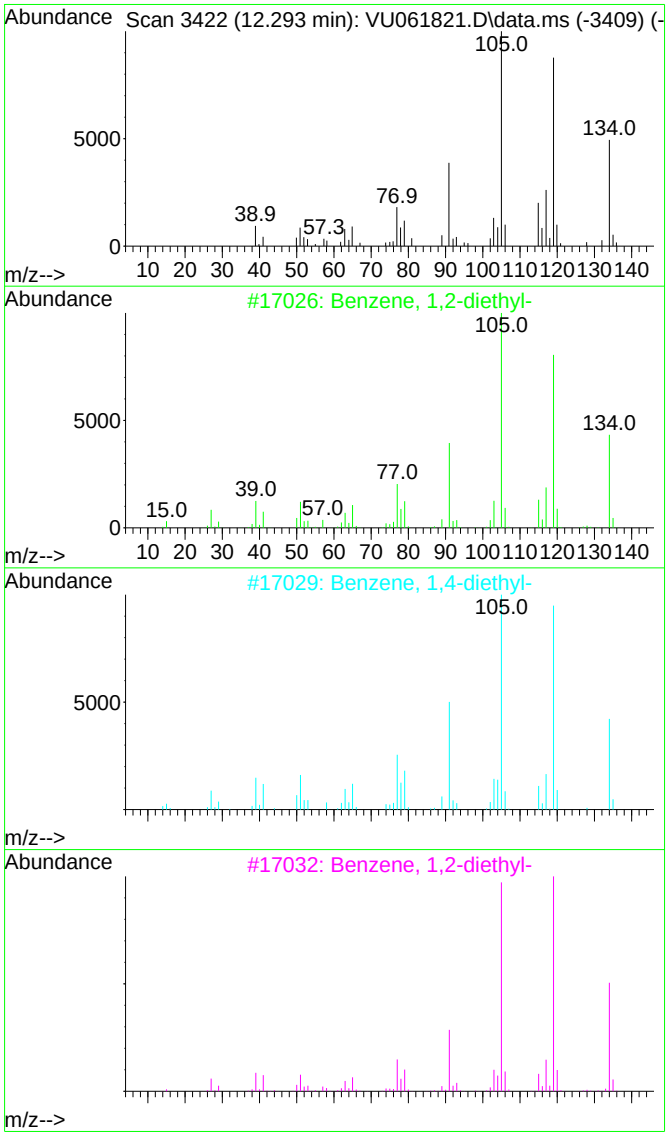
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

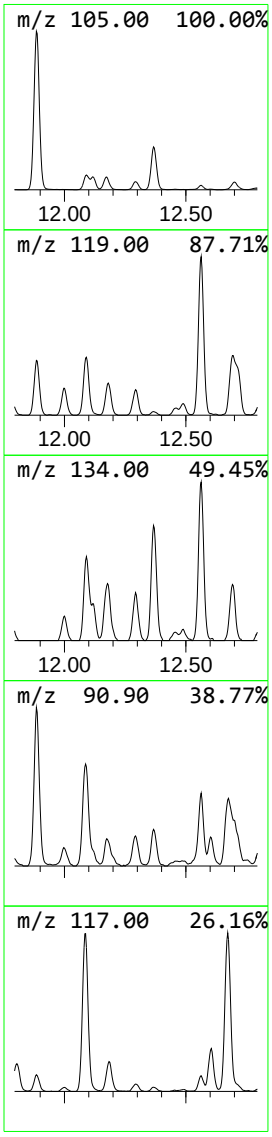
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Benzene, 1,2-diethyl- Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.293 | 0.84 ug/L | 77492 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 97 |
| 2 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 87 |
| 3 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 87 |
| 4 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 87 |
| 5 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

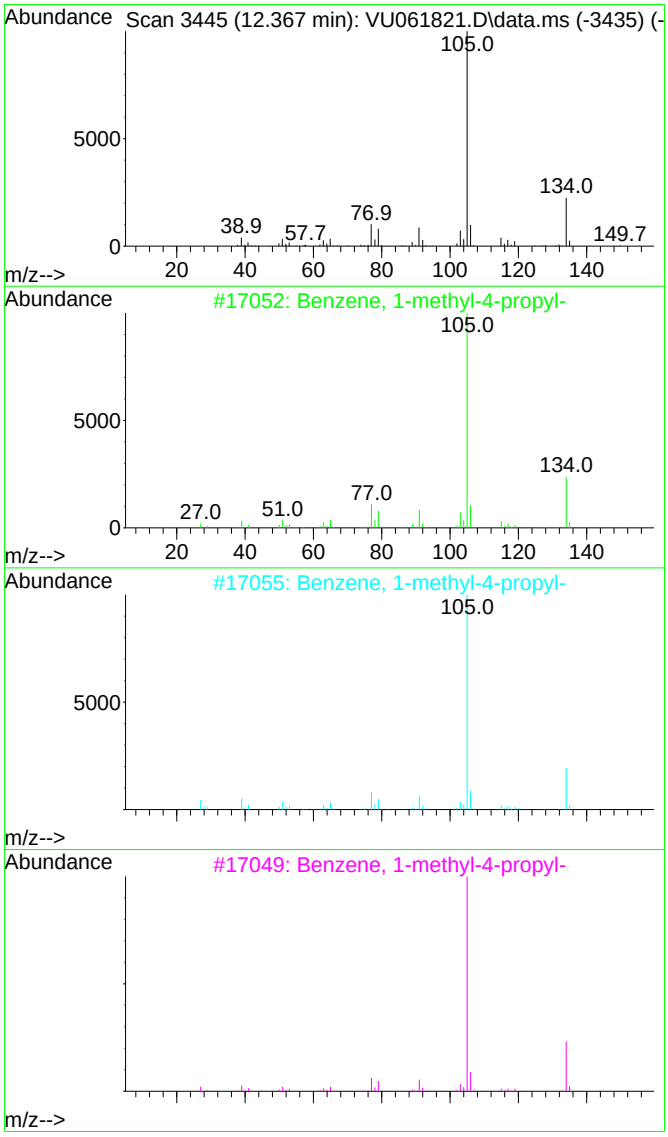
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

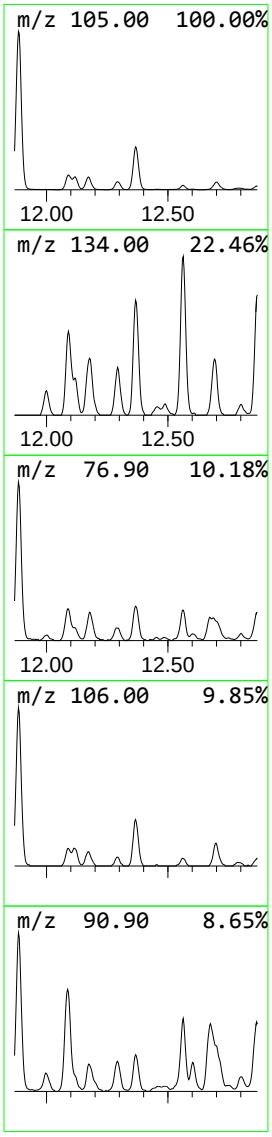
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, 1-methyl-4-propyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.367 | 1.74 ug/L | 161034 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 93 |
| 2 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 91 |
| 3 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 90 |
| 4 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 90 |
| 5 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

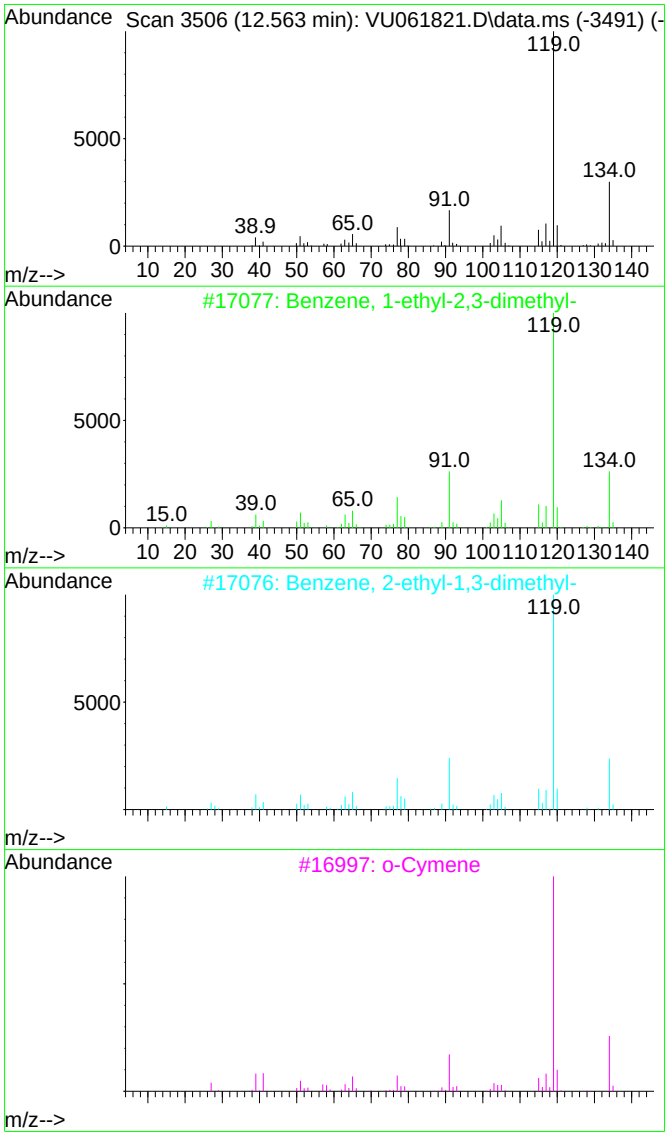
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

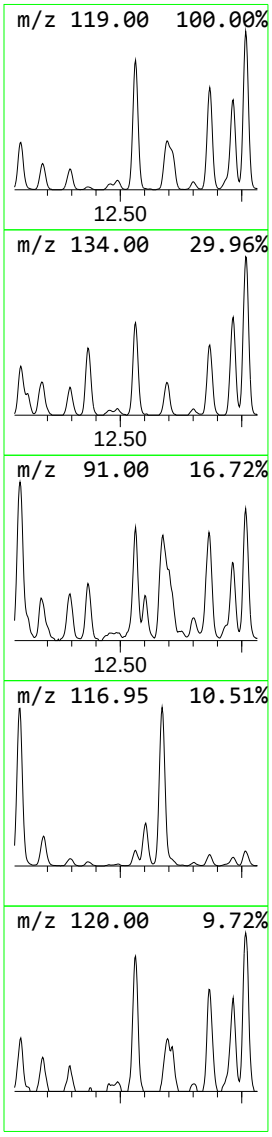
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.563 | 2.02 ug/L | 187050 | 1,4-Dichlorobenzene-d4 | 11.804 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

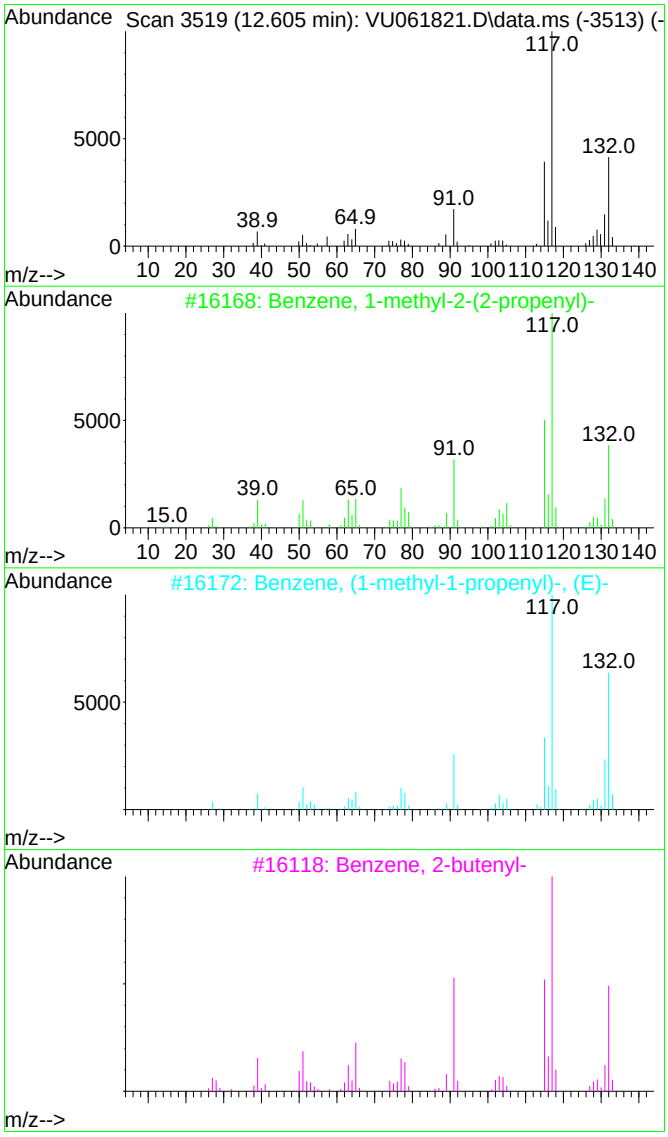
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

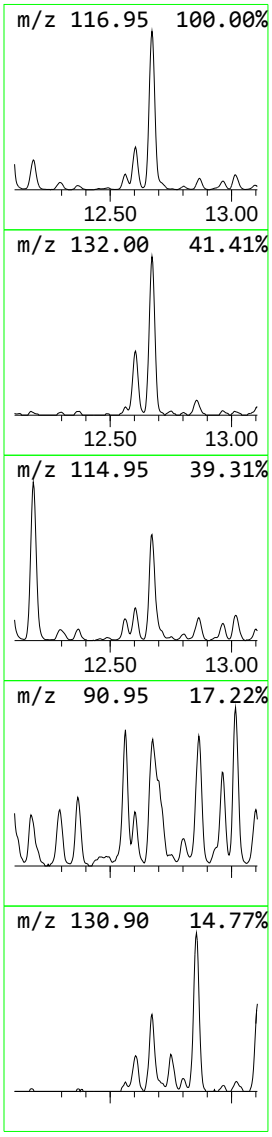
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 1-methyl-2-(2-prop... Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.605 | 0.81 ug/L | 75234 | 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 | 91 |
| 2 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 91 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 91 |
| 4 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 90 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

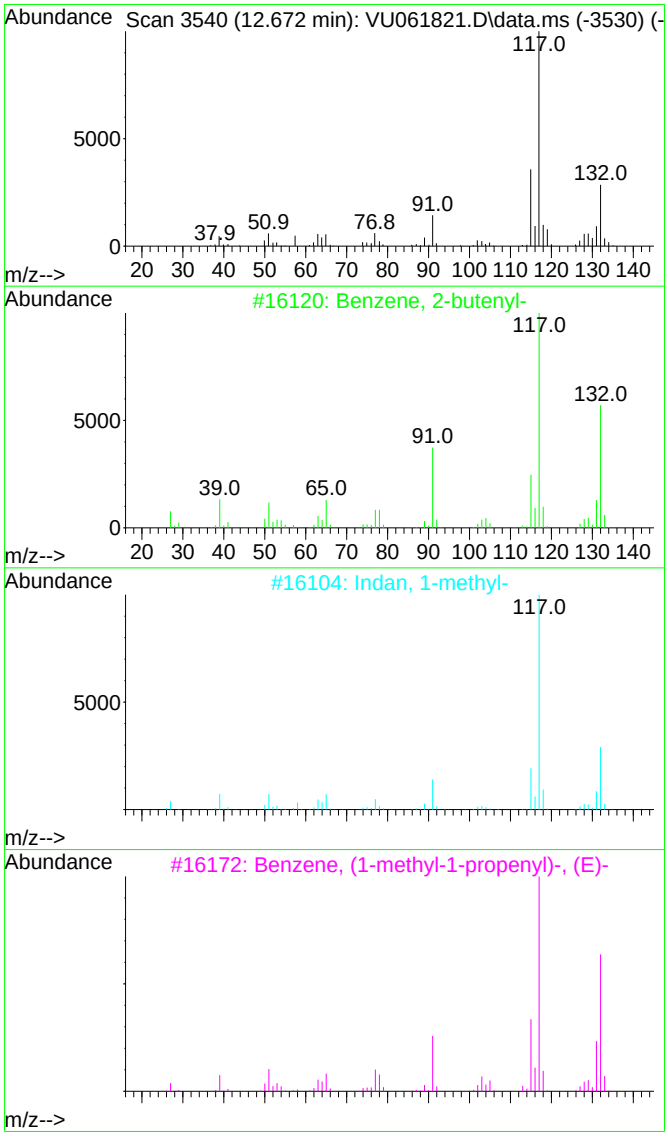
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

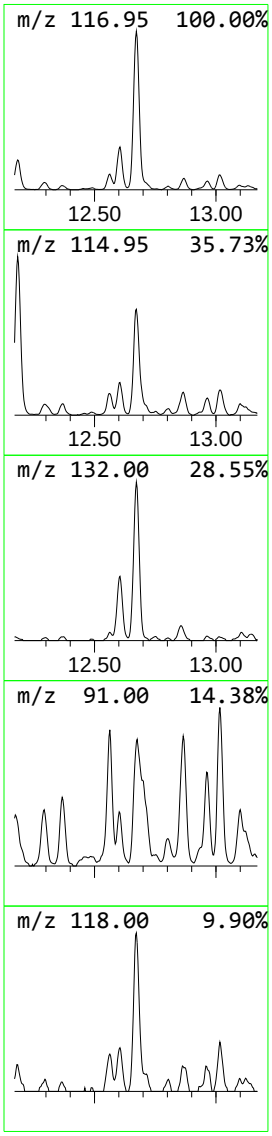
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzene, 2-butenyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.672 | 4.29 ug/L | 396219 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 90 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 3 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 87 |
| 4 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 86 |
| 5 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 83 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

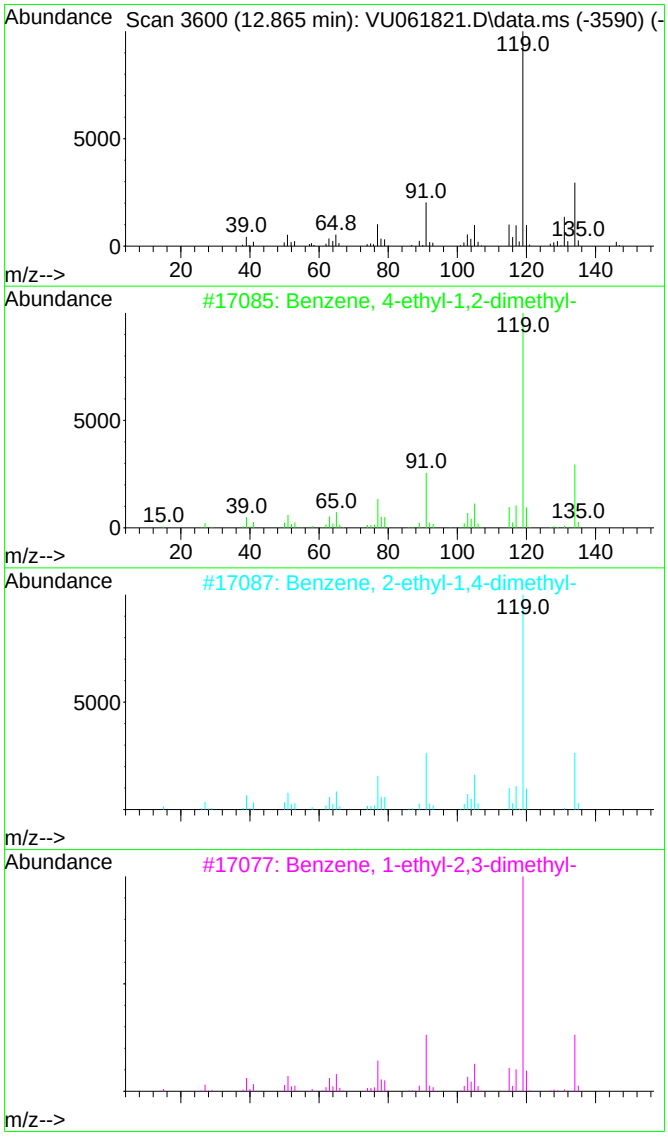
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

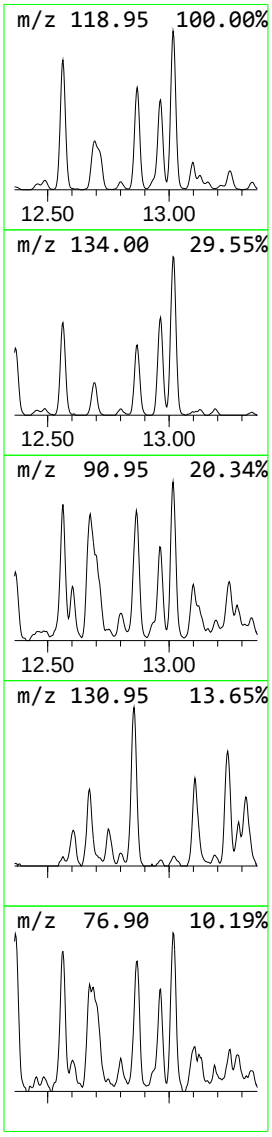
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.865 | 2.09 ug/L | 193242 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |
| 2 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

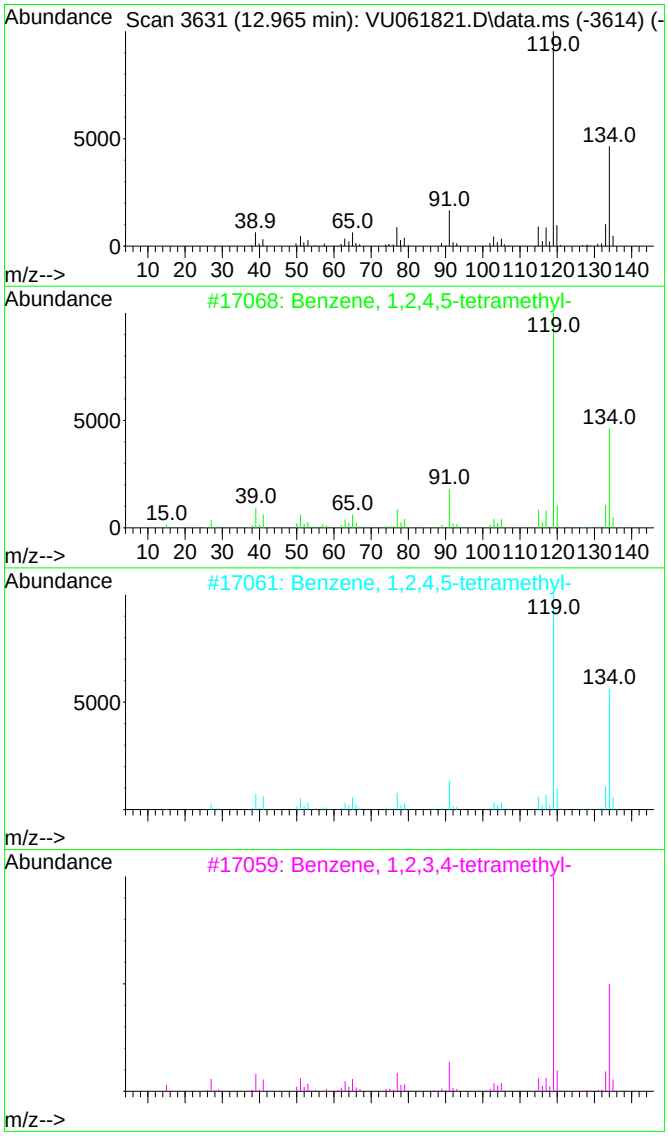
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

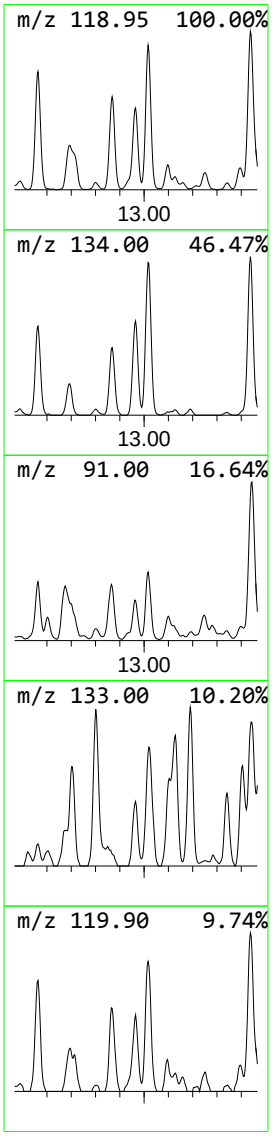
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.965 | 1.74 ug/L | 160633 | 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 | 96 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 4 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

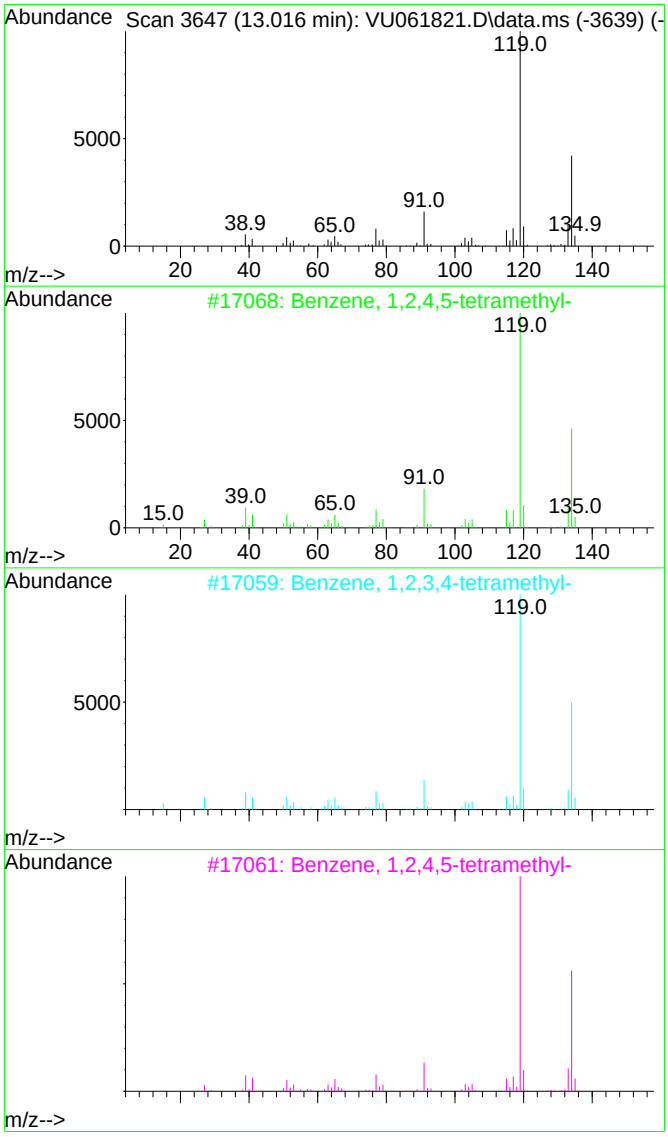
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

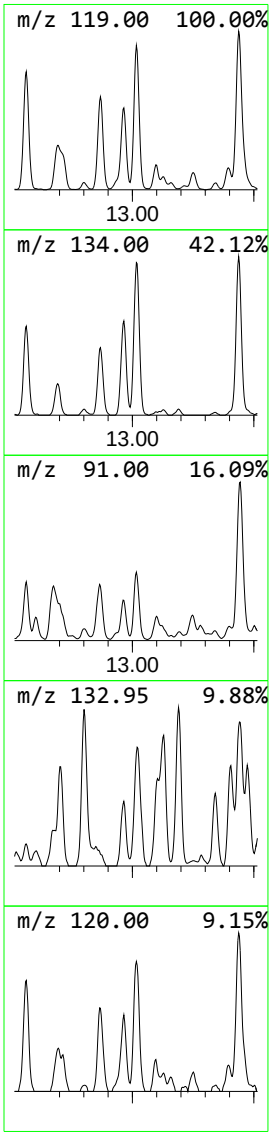
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.016 | 2.74 ug/L | 252753 | 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 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 4 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

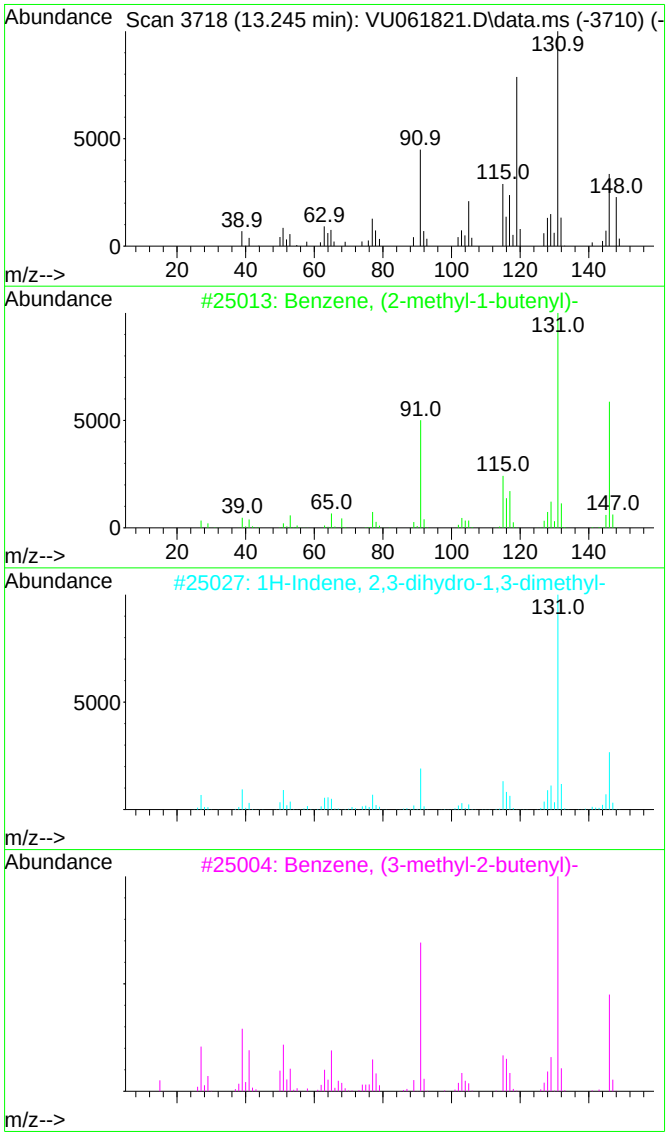
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

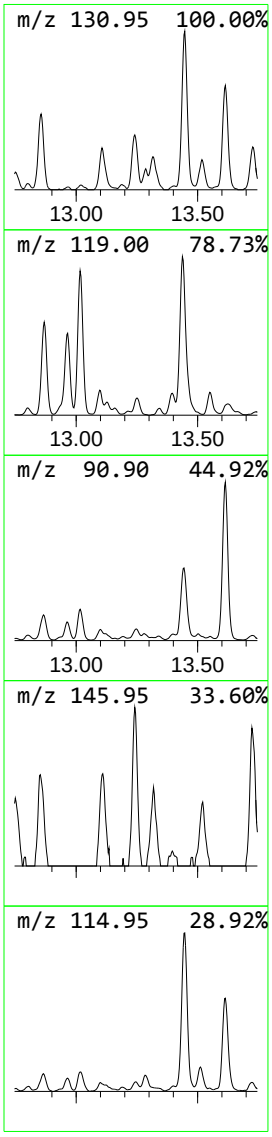
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Benzene, (2-methyl-1-butenyl)- Concentration Rank 40

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.245 | 0.54 ug/L | 49456 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 91 |
| 2 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 87 |
| 3 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 55 |
| 4 | Benzene, (1,1-dimethyl-2-propenyl)- | 146 | C11H14 | 018321-36-3 | 55 |
| 5 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 55 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

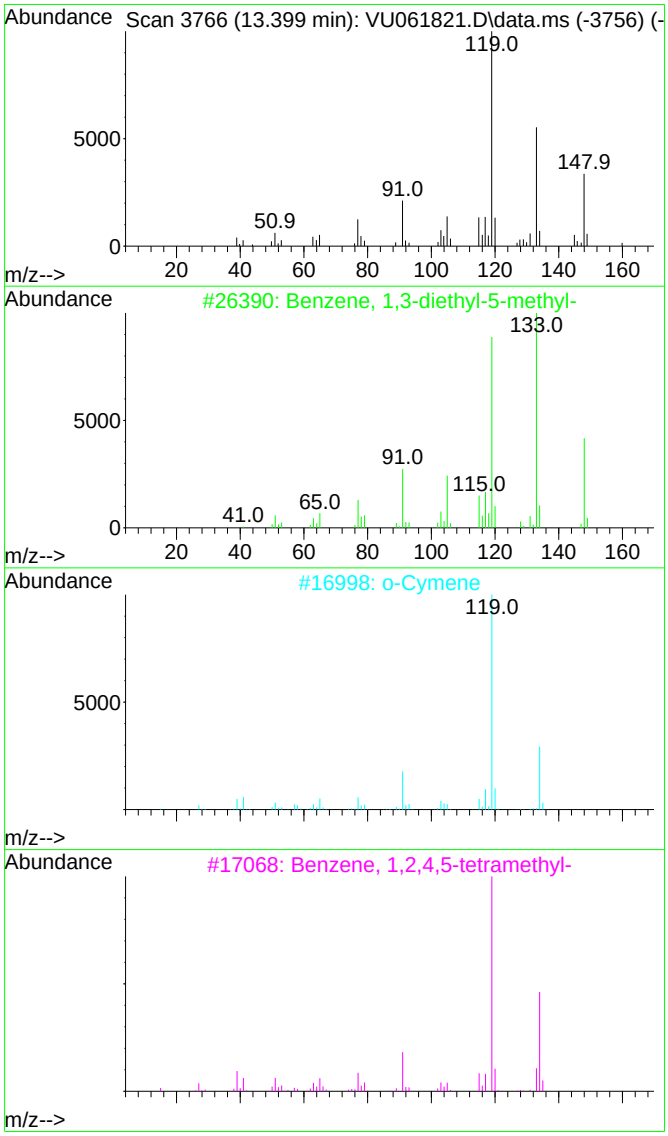
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

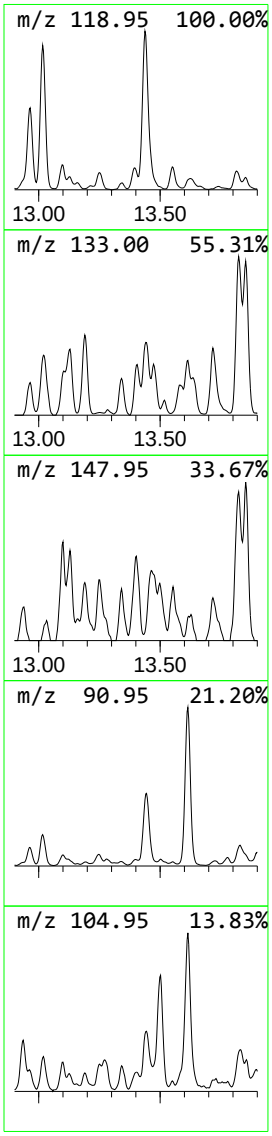
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 39

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.399 | 0.54 ug/L | 49640 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl-5-methyl- | 148 | C11H16 | 002050-24-0 | 92 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 55 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 55 |
| 4 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 55 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 55 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

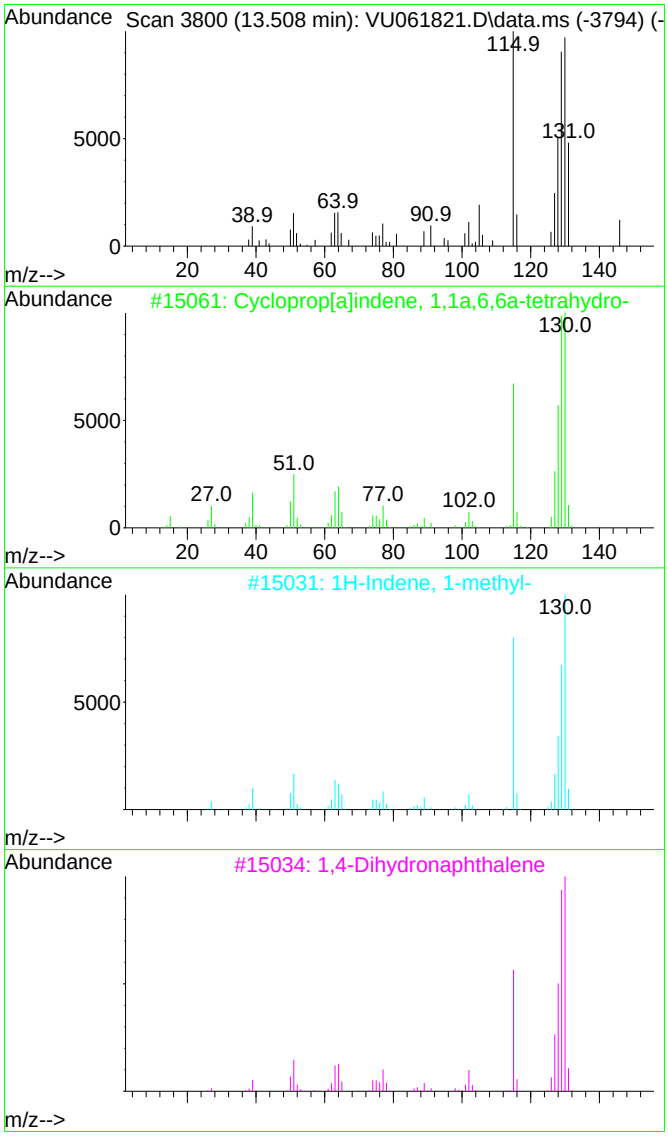
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

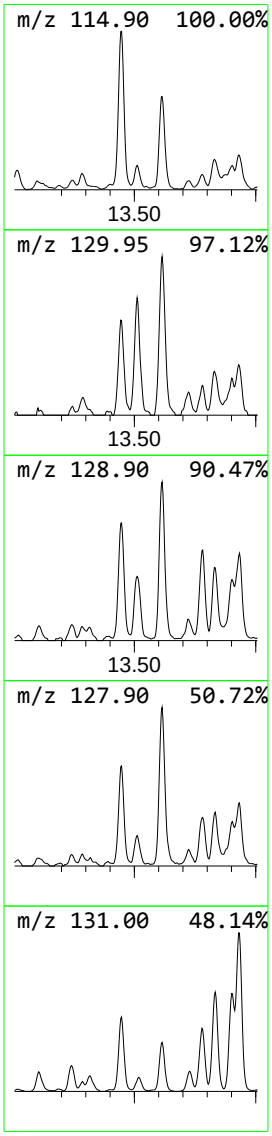
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.508 | 0.86 ug/L | 79028 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 93 |
| 2 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 92 |
| 3 | 1,4-Dihydronaphthalene | 130 | C10H10 | 000612-17-9 | 87 |
| 4 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 83 |
| 5 | Tetracyclo[5.3.0.0<2,6>.0<3,10>]... | 130 | C10H10 | 034324-40-8 | 83 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

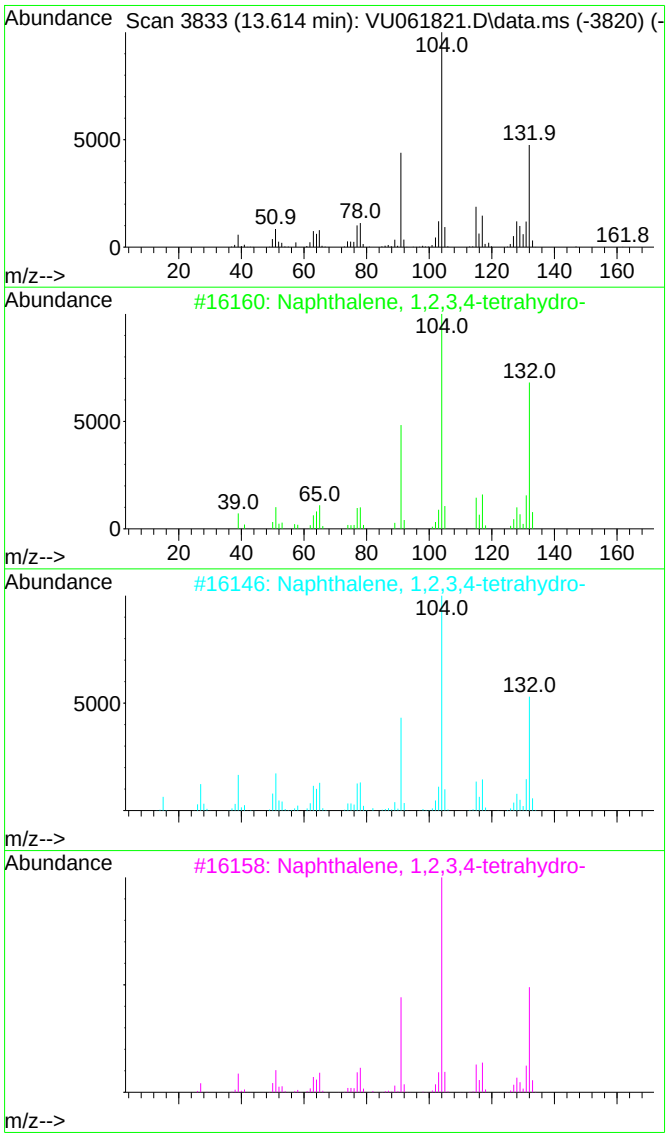
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

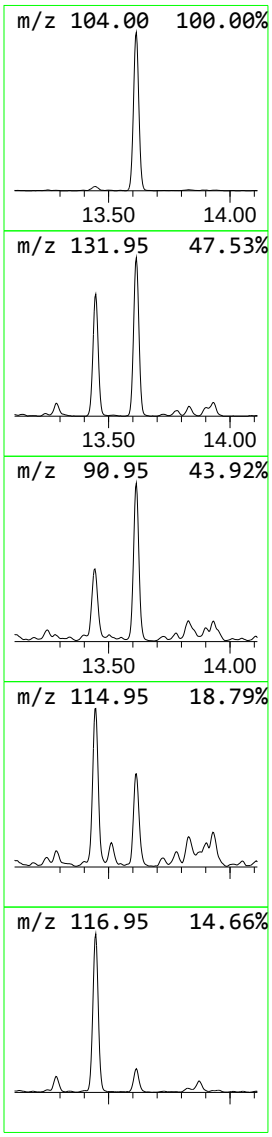
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.614 | 7.94 ug/L | 733033 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 93 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 91 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 91 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 91 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

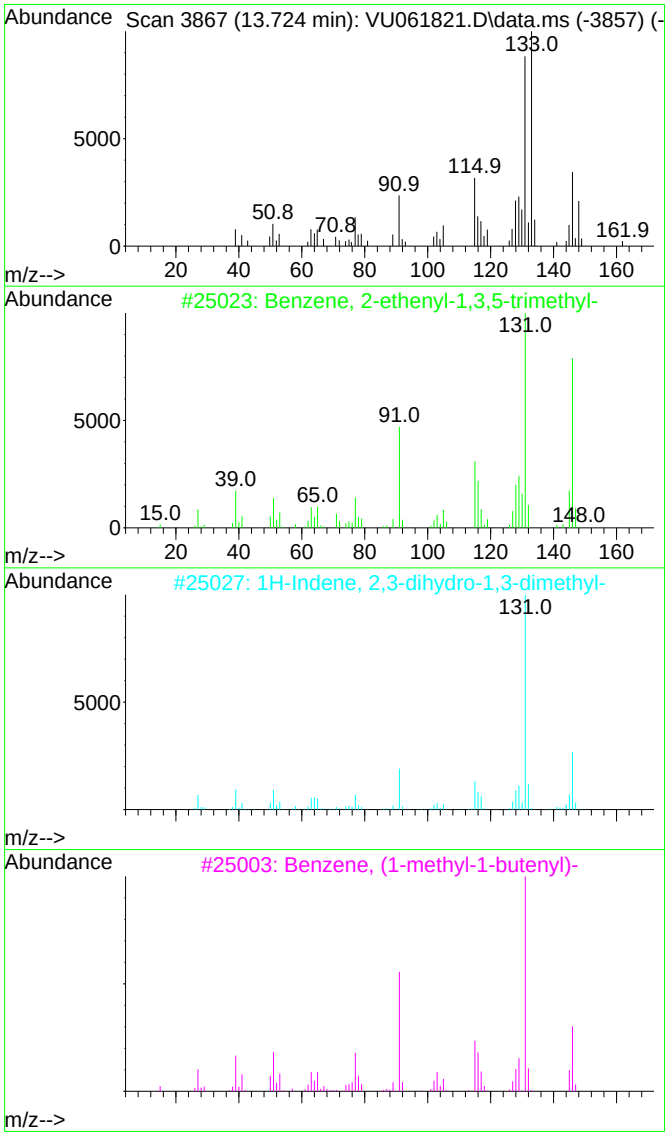
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

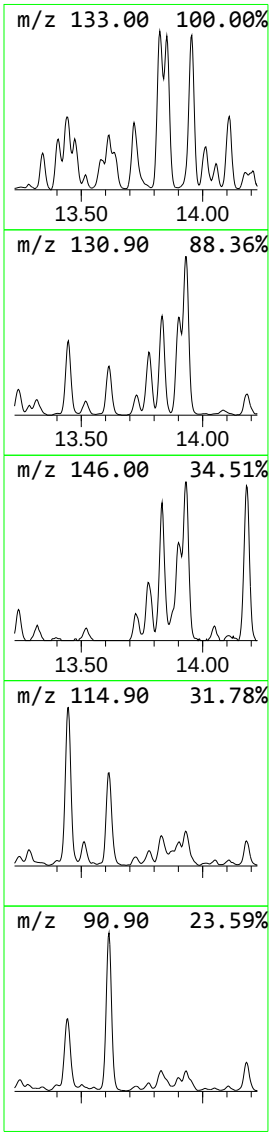
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.724 | 0.64 ug/L | 59464 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 50 |
| 3 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 46 |
| 4 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 46 |
| 5 | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14 | 052161-57-6 | 45 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

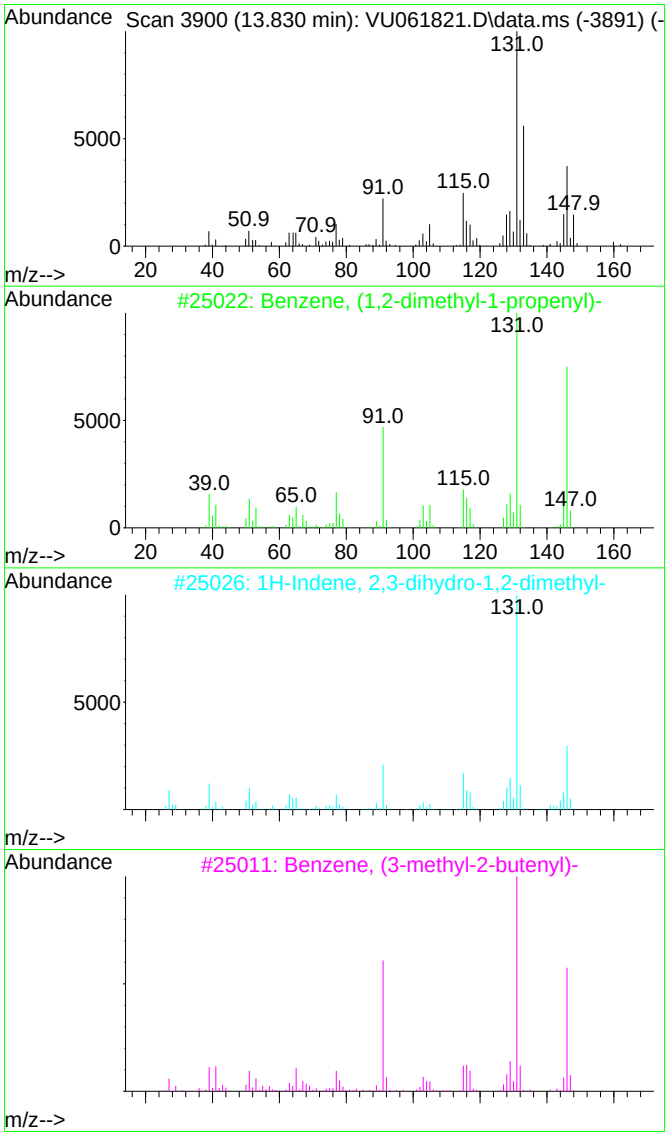
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

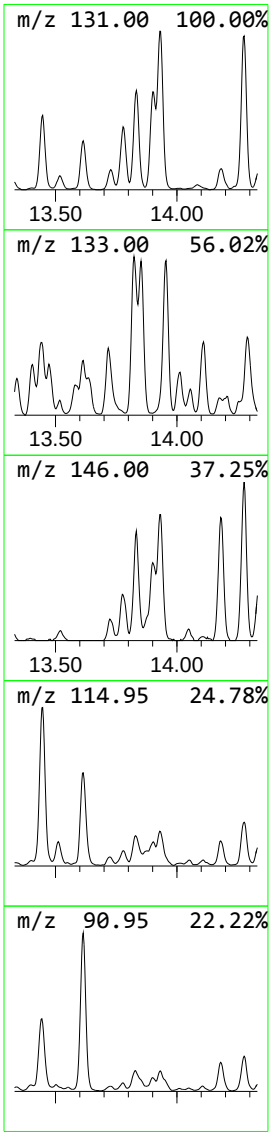
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.830 | 3.45 ug/L | 319137 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 93 |
| 2 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 89 |
| 3 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 86 |
| 4 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 76 |
| 5 | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14 | 052161-57-6 | 70 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

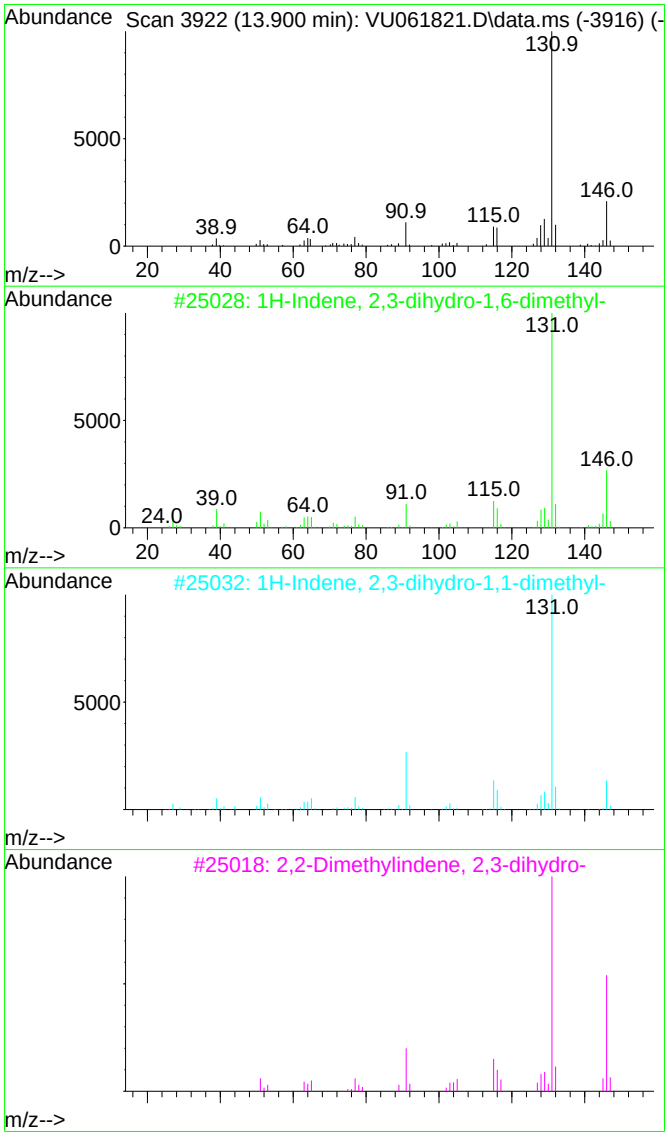
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

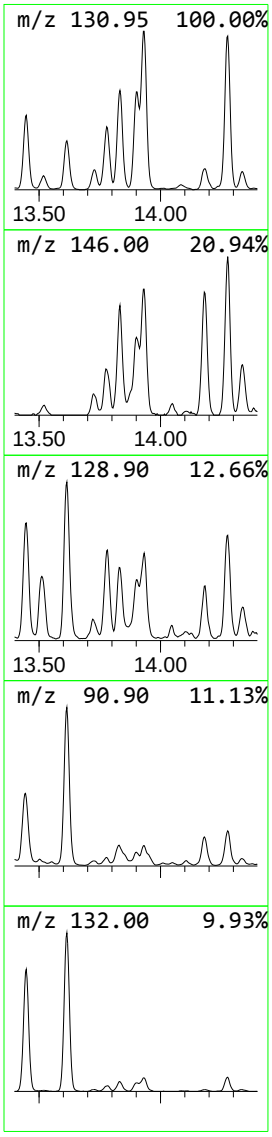
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 25 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.900 | 1.38 ug/L | 127116 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14 | 004912-92-9 | 90 |
| 3 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 90 |
| 4 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 90 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14 | 027087-54-3 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

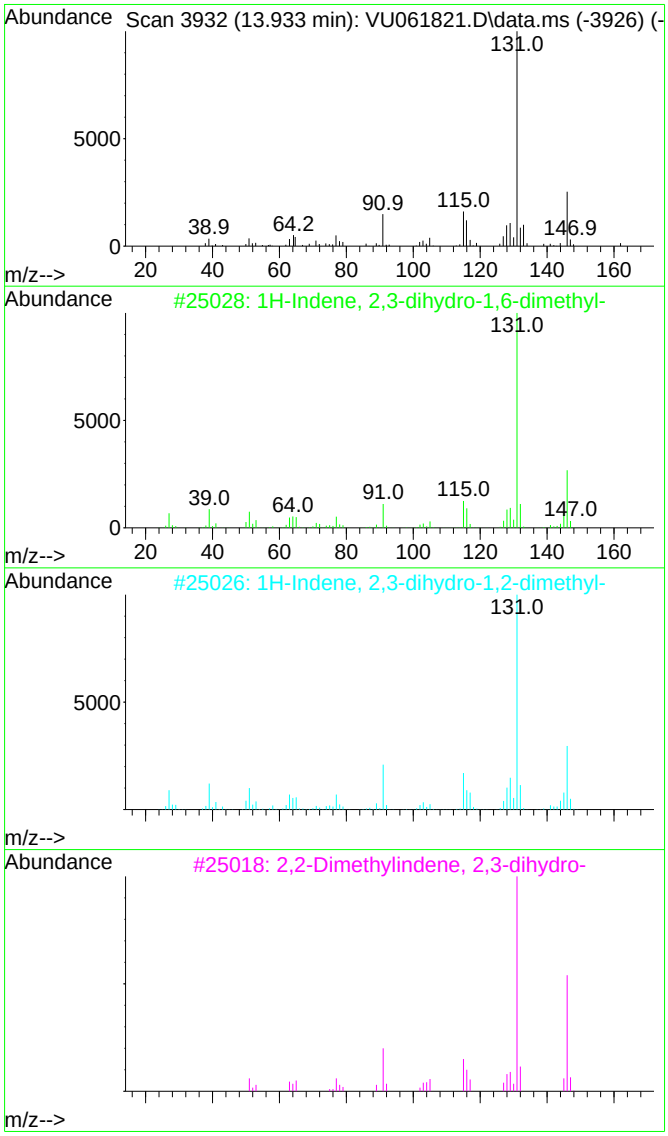
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

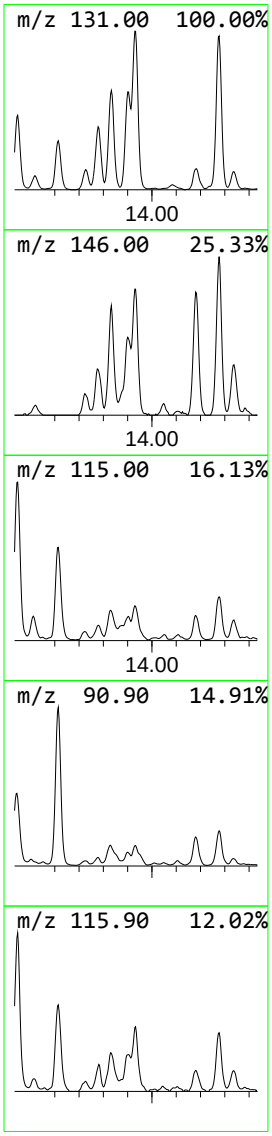
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 26 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.933 | 2.74 ug/L | 253079 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 93 |
| 2 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 90 |
| 3 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 90 |
| 4 | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14 | 052161-57-6 | 90 |
| 5 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

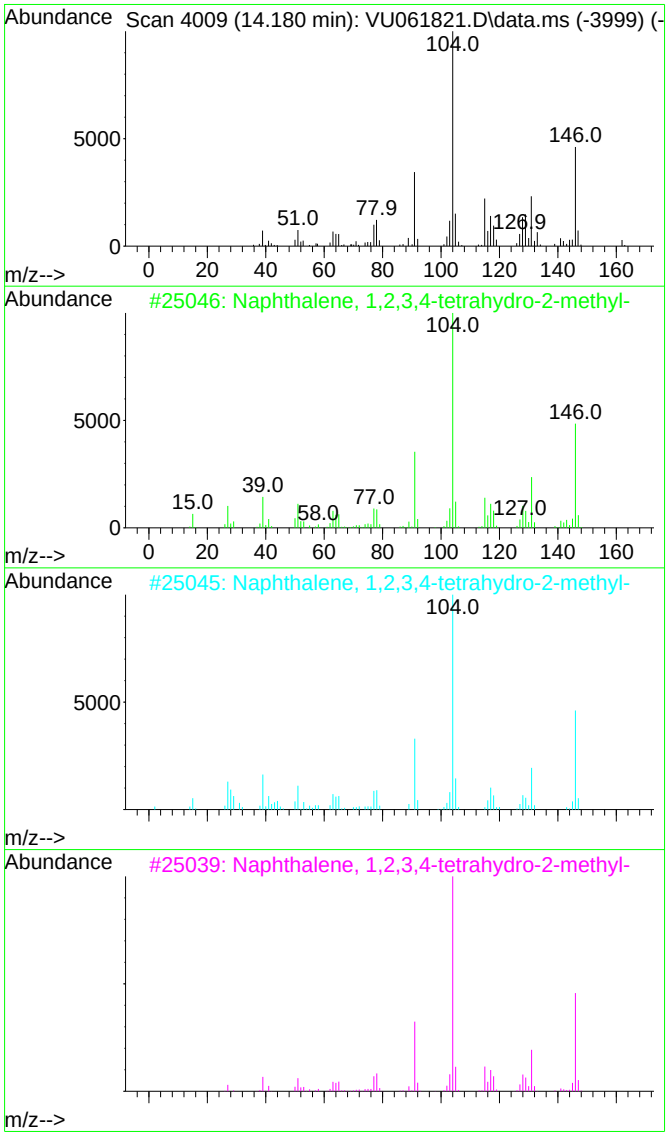
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

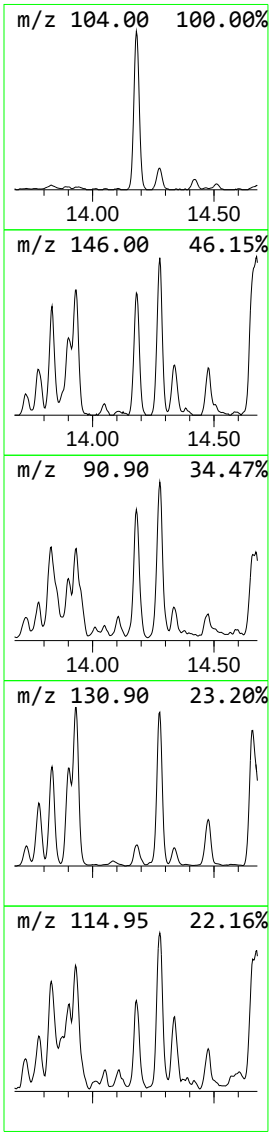
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.180 | 2.07 ug/L | 191614 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 91 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 81 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 81 |
| 4 | 2(1H)-Naphthalenone, 3,4-dihydro- | 146 | C10H10O | 000530-93-8 | 58 |
| 5 | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O | 002461-34-9 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

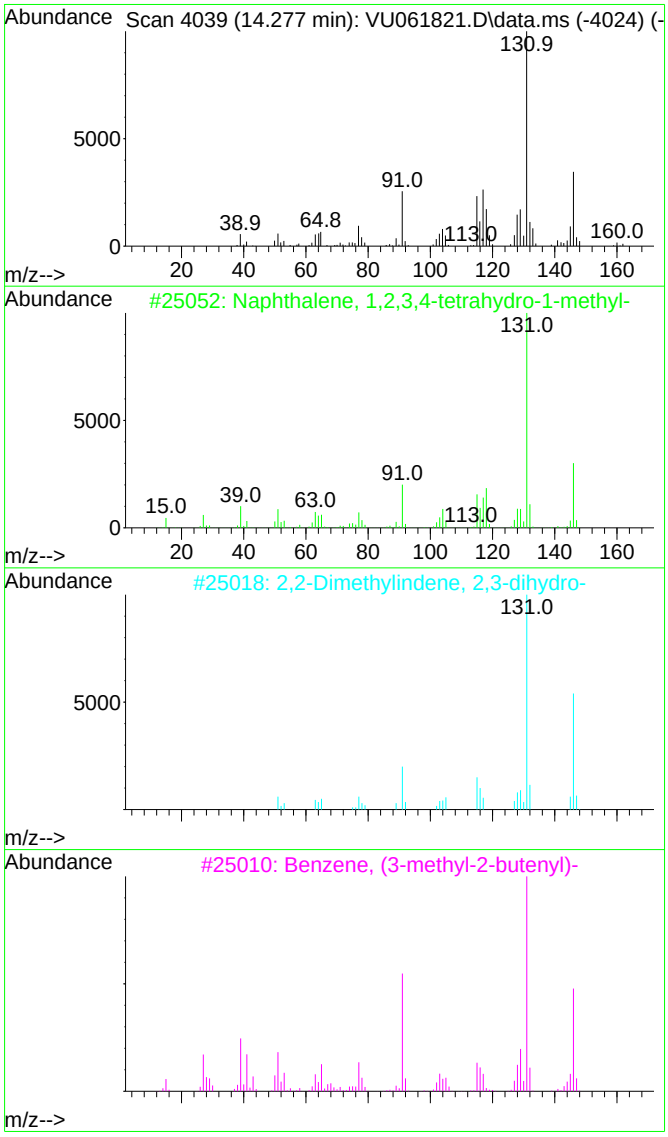
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

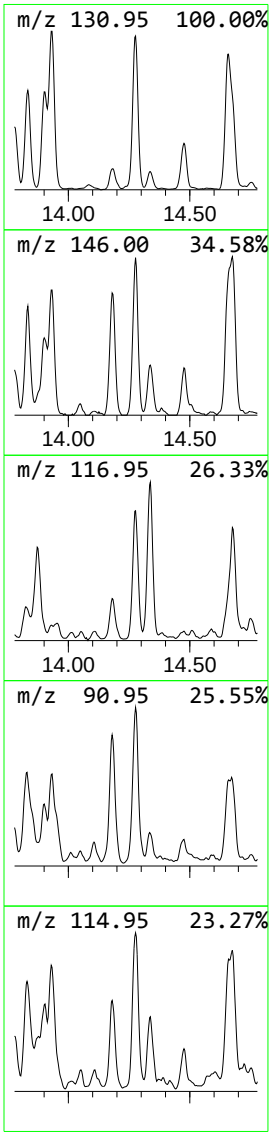
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 29 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.277 | 3.32 ug/L | 306967 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 93 |
| 2 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 91 |
| 3 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 90 |
| 4 | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146 | C10H10O | 017496-14-9 | 87 |
| 5 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

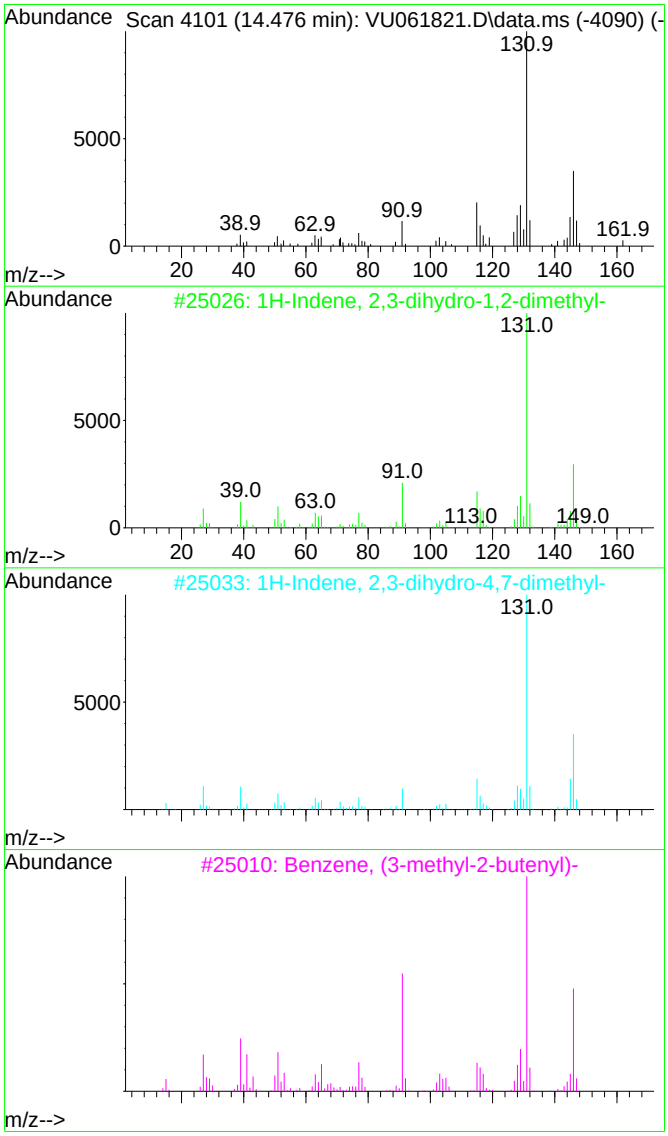
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

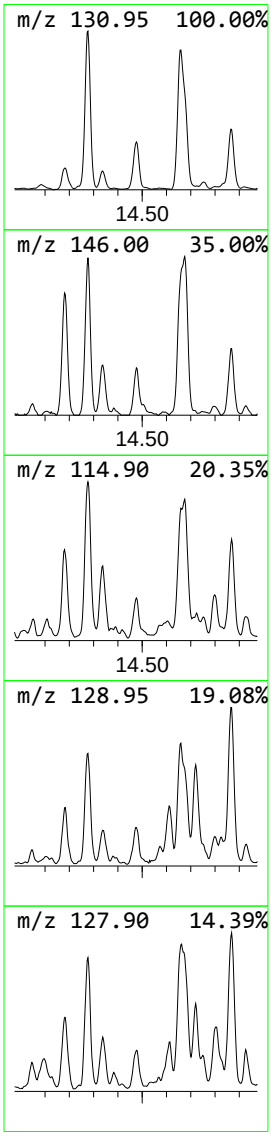
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 31 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.476 | 0.92 ug/L | 84739 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 93 |
| 3 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 87 |
| 4 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 87 |
| 5 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

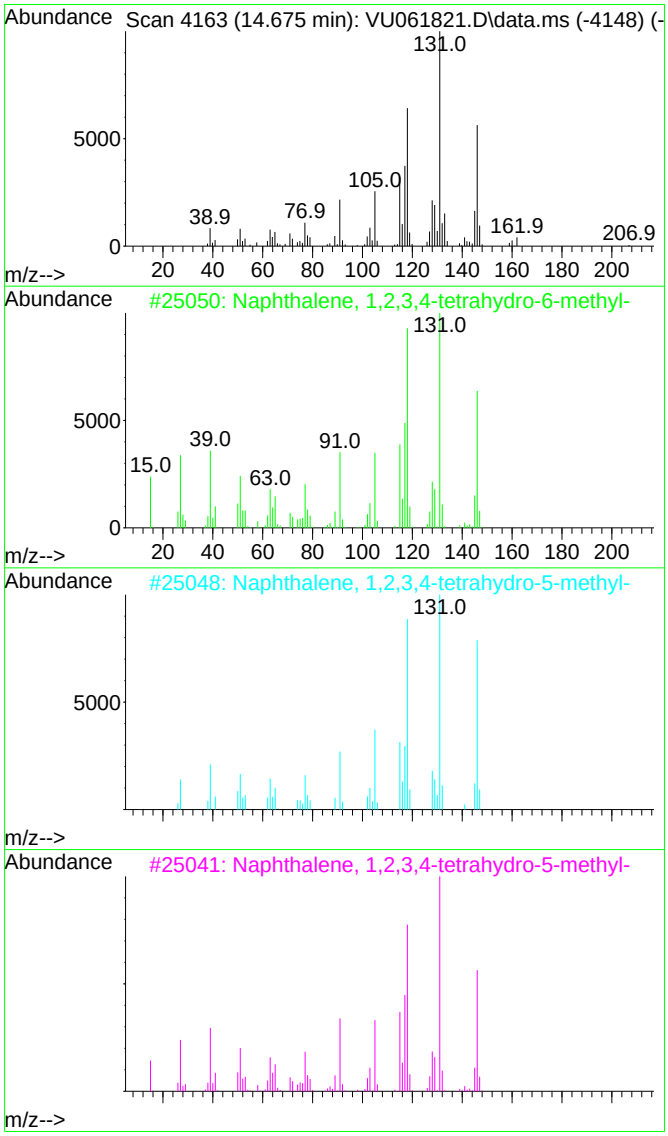
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

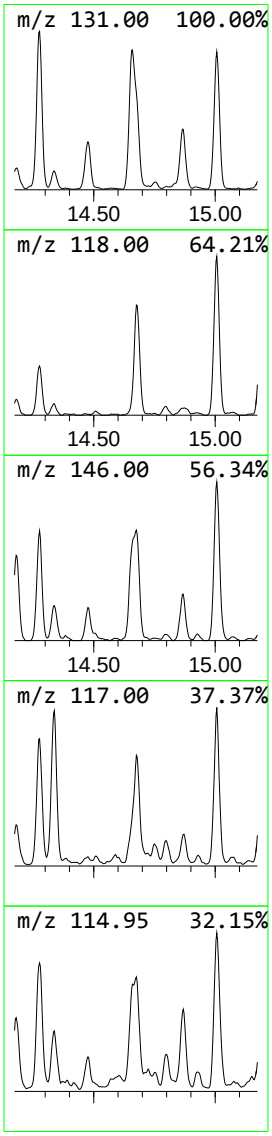
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 32 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.675 | 4.09 ug/L | 378254 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 95 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 94 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 93 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 91 |
| 5 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 89 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

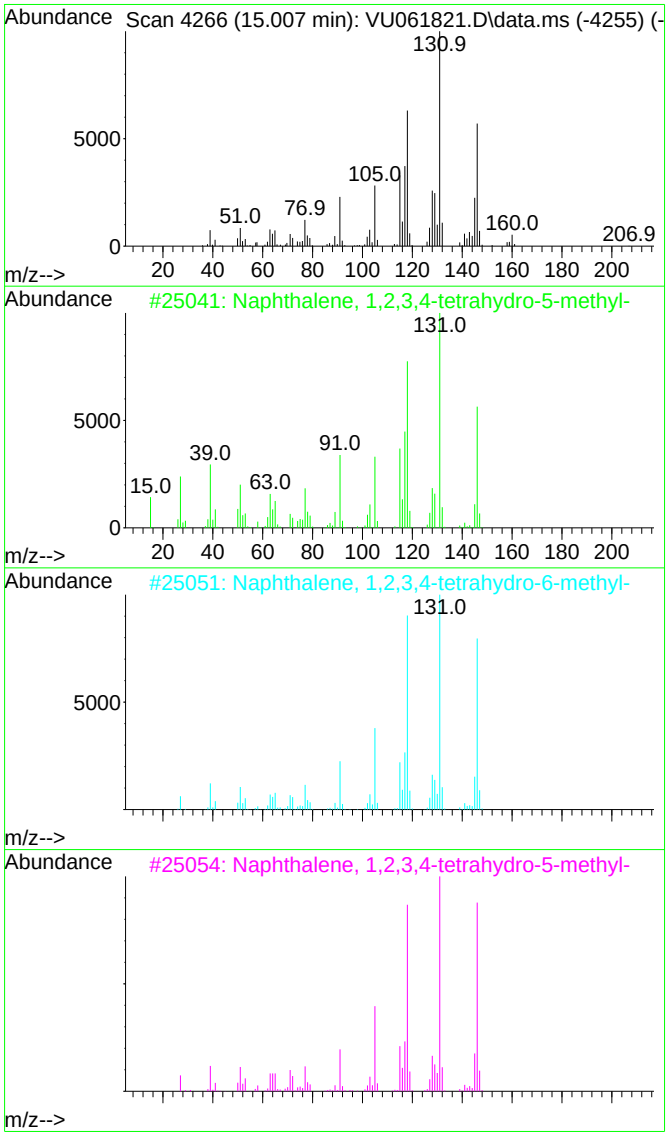
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

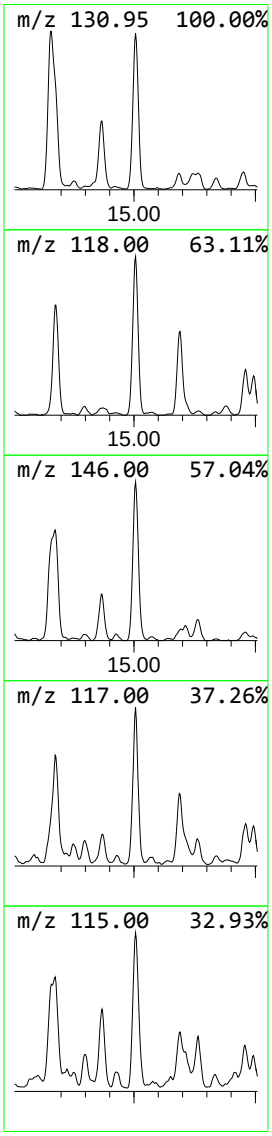
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 35 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.007 | 4.15 ug/L | 383167 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 90 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 87 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 87 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 83 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 81 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

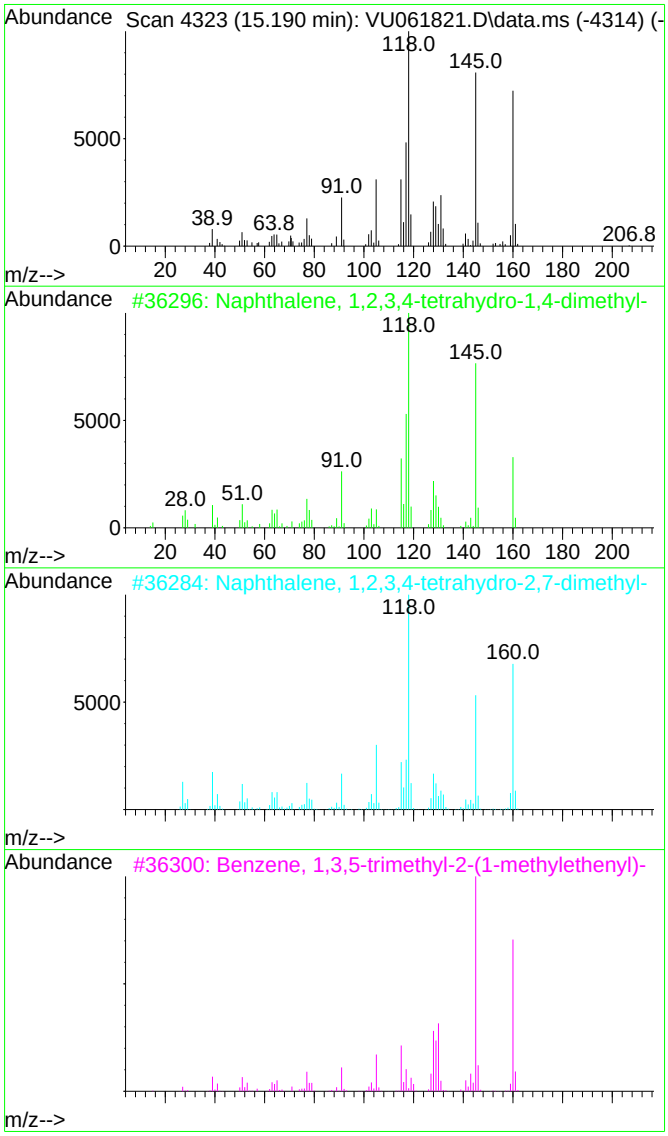
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

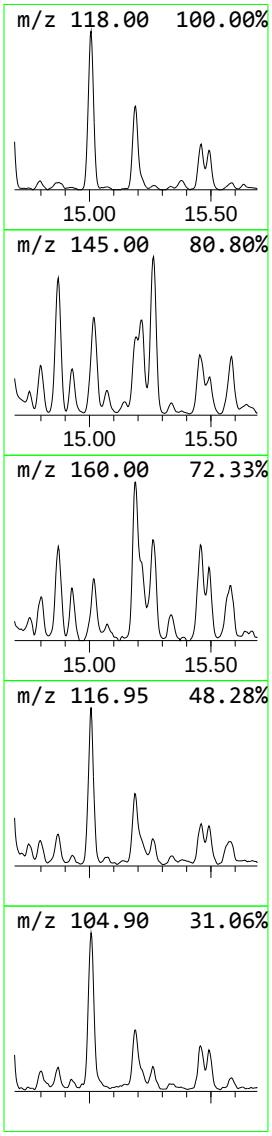
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 36 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.190 | 2.30 ug/L | 212651 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 96 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 013065-07-1 | 91 |
| 3 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 70 |
| 4 | Benzene, (3-methyl-1-methylenebu... | 160 | C12H16 | 038212-14-5 | 68 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 007524-63-2 | 60 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

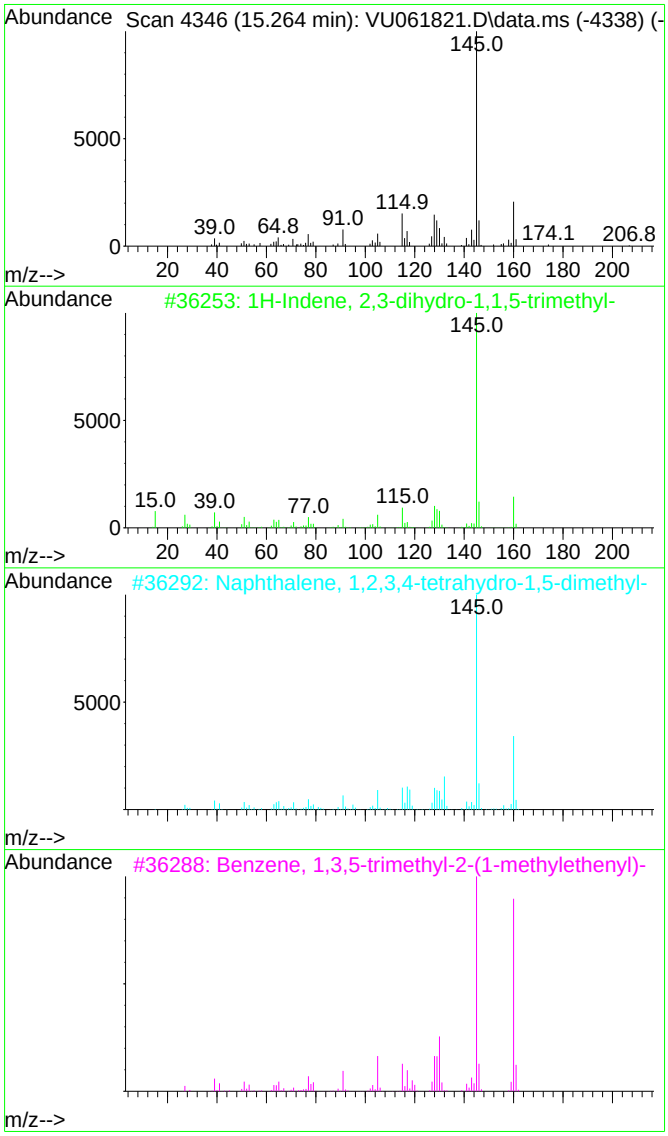
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

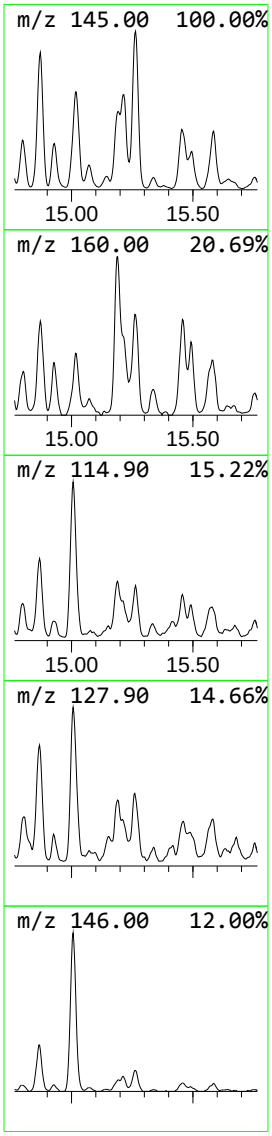
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 37 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.264 | 1.45 ug/L | 133832 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,1,5-tri... | 160 | C12H16 | 040650-41-7 | 93 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021564-91-0 | 91 |
| 3 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 90 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 025419-33-4 | 90 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001985-59-7 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

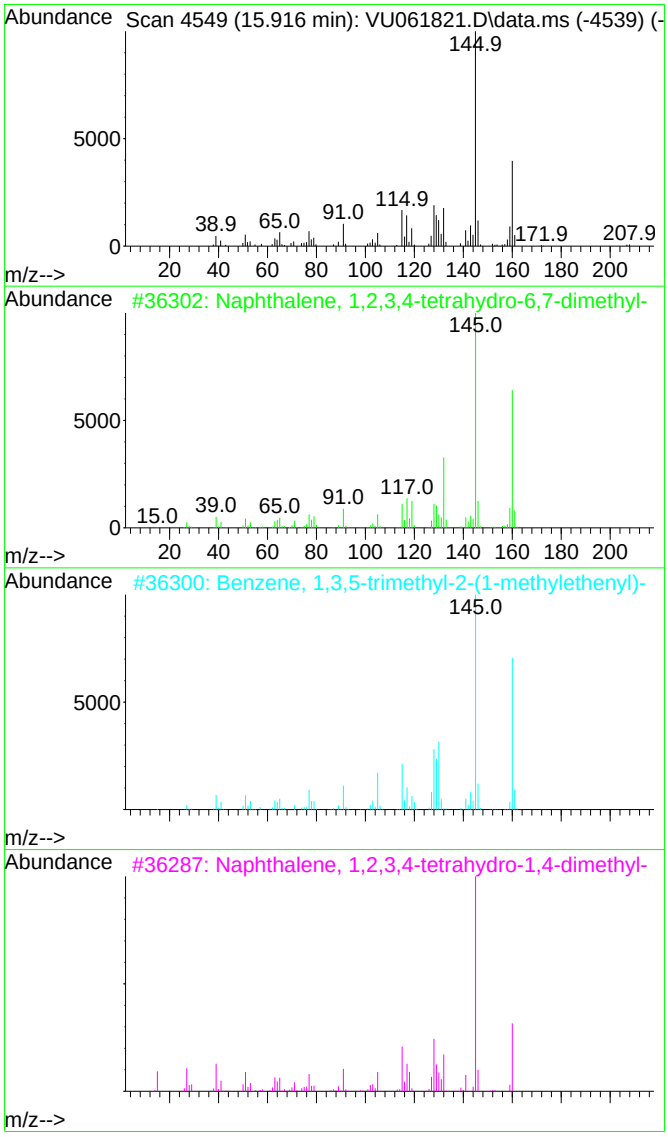
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0

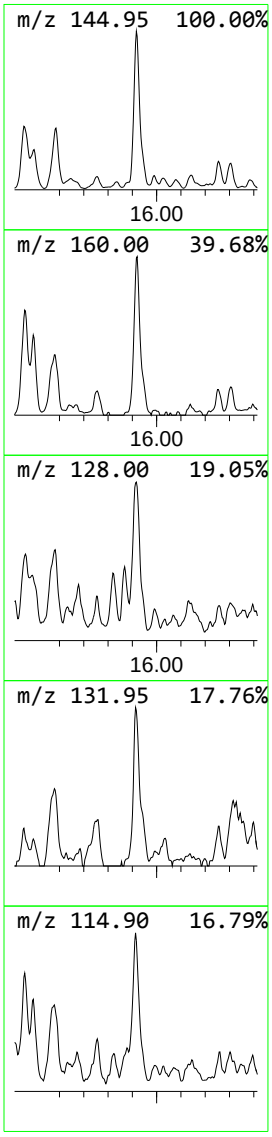
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 41 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.916 | 1.91 ug/L | 176008 | 1,4-Dichlorobenzene-d4 | 11.804 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001076-61-5 | 91 |
| 2 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 91 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 90 |
| 4 | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16 | 054340-85-1 | 90 |
| 5 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061821.D
Acq On : 18 Nov 2024 18:33
Operator : MD/SY
Sample : P4827-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H46W5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.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 | 1.489 | 0.8 | ug/L | 57278 | 1 | 6.242 | 375476 | 5.0 |
| Benzene, 1-ethy... | 11.016 | 1.4 | ug/L | 124808 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, 1-ethy... | 11.283 | 3.9 | ug/L | 363471 | 3 | 11.804 | 461860 | 5.0 |
| o-Cymene | 11.733 | 0.8 | ug/L | 78747 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, 1,2,3-... | 11.884 | 7.5 | ug/L | 694697 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, 1,2-di... | 12.293 | 0.8 | ug/L | 77492 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, 1-meth... | 12.367 | 1.7 | ug/L | 161034 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, 1-ethy... | 12.563 | 2.0 | ug/L | 187050 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, 1-meth... | 12.605 | 0.8 | ug/L | 75234 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, 2-bute... | 12.672 | 4.3 | ug/L | 396219 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, 4-ethy... | 12.865 | 2.1 | ug/L | 193242 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, 1,2,4,... | 12.965 | 1.7 | ug/L | 160633 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, 1,2,3,... | 13.016 | 2.7 | ug/L | 252753 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, (2-met... | 13.245 | 0.5 | ug/L | 49456 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, 1,3-di... | 13.399 | 0.5 | ug/L | 49640 | 3 | 11.804 | 461860 | 5.0 |
| Cycloprop[a]ind... | 13.508 | 0.9 | ug/L | 79028 | 3 | 11.804 | 461860 | 5.0 |
| Naphthalene, 1,... | 13.614 | 7.9 | ug/L | 733033 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, 2-ethe... | 13.724 | 0.6 | ug/L | 59464 | 3 | 11.804 | 461860 | 5.0 |
| Benzene, (1,2-d... | 13.830 | 3.5 | ug/L | 319137 | 3 | 11.804 | 461860 | 5.0 |
| 1H-Indene, 2,3-... | 13.900 | 1.4 | ug/L | 127116 | 3 | 11.804 | 461860 | 5.0 |
| 1H-Indene, 2,3-... | 13.933 | 2.7 | ug/L | 253079 | 3 | 11.804 | 461860 | 5.0 |
| Naphthalene, 1,... | 14.180 | 2.1 | ug/L | 191614 | 3 | 11.804 | 461860 | 5.0 |
| Naphthalene, 1,... | 14.277 | 3.3 | ug/L | 306967 | 3 | 11.804 | 461860 | 5.0 |
| 1H-Indene, 2,3-... | 14.476 | 0.9 | ug/L | 84739 | 3 | 11.804 | 461860 | 5.0 |
| Naphthalene, 1,... | 14.675 | 4.1 | ug/L | 378254 | 3 | 11.804 | 461860 | 5.0 |
| Naphthalene, 1,... | 15.007 | 4.2 | ug/L | 383167 | 3 | 11.804 | 461860 | 5.0 |
| Naphthalene, 1,... | 15.190 | 2.3 | ug/L | 212651 | 3 | 11.804 | 461860 | 5.0 |
| 1H-Indene, 2,3-... | 15.264 | 1.5 | ug/L | 133832 | 3 | 11.804 | 461860 | 5.0 |
| Naphthalene, 1,... | 15.916 | 1.9 | ug/L | 176008 | 3 | 11.804 | 461860 | 5.0 |