LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

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\SFAMUTR102822WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU051730.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.472 | 32 | 41 | 62 | rBV | 579664 | 1424620 | 52.74% | 4.319% |
| 2 | 1.594 | 75 | 79 | 86 | rBV | 73410 | 74248 | 2.75% | 0.225% |
| 3 | 1.787 | 133 | 139 | 150 | rVB | 229480 | 293059 | 10.85% | 0.888% |
| 4 | 1.910 | 173 | 177 | 200 | rVB | 85707 | 137577 | 5.09% | 0.417% |
| 5 | 2.469 | 343 | 351 | 364 | rVB | 40047 | 64114 | 2.37% | 0.194% |
| 6 | 2.562 | 369 | 380 | 400 | rVB | 134835 | 218533 | 8.09% | 0.663% |
| 7 | 2.681 | 400 | 417 | 438 | rVB3 | 40277 | 95452 | 3.53% | 0.289% |
| 8 | 2.791 | 439 | 451 | 466 | rBV | 115327 | 197503 | 7.31% | 0.599% |
| 9 | 3.045 | 521 | 530 | 548 | rVB | 18703 | 34394 | 1.27% | 0.104% |
| 10 | 4.646 | 1011 | 1028 | 1063 | rBV2 | 87908 | 330919 | 12.25% | 1.003% |
| 11 | 5.061 | 1140 | 1157 | 1181 | rBV | 135569 | 305368 | 11.30% | 0.926% |
| 12 | 5.723 | 1342 | 1363 | 1370 | rBV2 | 251083 | 624596 | 23.12% | 1.894% |
| 13 | 5.771 | 1371 | 1378 | 1398 | rVB | 362871 | 726088 | 26.88% | 2.201% |
| 14 | 6.247 | 1512 | 1526 | 1546 | rBV | 215407 | 409824 | 15.17% | 1.242% |
| 15 | 6.691 | 1650 | 1664 | 1677 | rBV | 166824 | 326316 | 12.08% | 0.989% |
| 16 | 6.758 | 1678 | 1685 | 1698 | rVB4 | 20014 | 40665 | 1.51% | 0.123% |
| 17 | 7.565 | 1923 | 1936 | 1953 | rBV | 68745 | 123669 | 4.58% | 0.375% |
| 18 | 7.896 | 2027 | 2039 | 2054 | rBV | 265259 | 461839 | 17.10% | 1.400% |
| 19 | 7.970 | 2054 | 2062 | 2074 | rVB2 | 17284 | 31488 | 1.17% | 0.095% |
| 20 | 8.099 | 2091 | 2102 | 2117 | rBV | 132833 | 230470 | 8.53% | 0.699% |
| 21 | 8.179 | 2117 | 2127 | 2139 | rBV | 44290 | 72709 | 2.69% | 0.220% |
| 22 | 8.636 | 2257 | 2269 | 2298 | rBV | 380410 | 748105 | 27.69% | 2.268% |
| 23 | 9.443 | 2499 | 2520 | 2549 | rBV2 | 950948 | 2139912 | 79.22% | 6.488% |
| 24 | 9.568 | 2549 | 2559 | 2577 | rVB | 129240 | 214519 | 7.94% | 0.650% |
| 25 | 9.694 | 2579 | 2598 | 2617 | rBV2 | 206078 | 412824 | 15.28% | 1.252% |
| 26 | 10.099 | 2714 | 2724 | 2741 | rVB | 129100 | 212571 | 7.87% | 0.644% |
| 27 | 10.482 | 2832 | 2843 | 2853 | rBV | 43572 | 69098 | 2.56% | 0.209% |
| 28 | 10.755 | 2916 | 2928 | 2941 | rBV | 155986 | 252511 | 9.35% | 0.766% |
| 29 | 10.903 | 2963 | 2974 | 2987 | rBV | 73222 | 121535 | 4.50% | 0.368% |
| 30 | 10.996 | 2987 | 3003 | 3020 | rVV | 122667 | 269321 | 9.97% | 0.817% |
| 31 | 11.086 | 3020 | 3031 | 3044 | rVV | 180063 | 292593 | 10.83% | 0.887% |
| 32 | 11.289 | 3084 | 3094 | 3112 | rBV | 154407 | 264172 | 9.78% | 0.801% |
| 33 | 11.465 | 3138 | 3149 | 3162 | rBV | 436887 | 666065 | 24.66% | 2.019% |
| 34 | 11.610 | 3179 | 3194 | 3195 | rBV | 25033 | 33564 | 1.24% | 0.102% |
| 35 | 11.639 | 3196 | 3203 | 3219 | rVB3 | 64794 | 114169 | 4.23% | 0.346% |
| 36 | 11.742 | 3220 | 3235 | 3242 | rBV | 73635 | 131265 | 4.86% | 0.398% |

LSC Area Percent Report

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Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

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\SFAMUTR102822WMA.M
Title : TRACE VOA SFAM1.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.813 | 3242 | 3257 | 3259 | rBV3 | 493133 | 875223 | 32.40% | 2.653% |
| 38 | 11.893 | 3273 | 3282 | 3304 | rVB | 314021 | 585978 | 21.69% | 1.777% |
| 39 | 12.006 | 3309 | 3317 | 3326 | rVB2 | 33645 | 49167 | 1.82% | 0.149% |
| 40 | 12.092 | 3326 | 3344 | 3351 | rBV2 | 383356 | 665646 | 24.64% | 2.018% |
| 41 | 12.189 | 3363 | 3374 | 3398 | rVB5 | 609113 | 1260917 | 46.68% | 3.823% |
| 42 | 12.298 | 3399 | 3408 | 3421 | rVB2 | 71203 | 115875 | 4.29% | 0.351% |
| 43 | 12.375 | 3421 | 3432 | 3442 | rBV | 80386 | 130751 | 4.84% | 0.396% |
| 44 | 12.462 | 3449 | 3459 | 3464 | rBV | 162654 | 258038 | 9.55% | 0.782% |
| 45 | 12.494 | 3464 | 3469 | 3480 | rVV | 192494 | 274085 | 10.15% | 0.831% |
| 46 | 12.568 | 3481 | 3492 | 3500 | rVV | 303607 | 472884 | 17.51% | 1.434% |
| 47 | 12.610 | 3500 | 3505 | 3516 | rVV2 | 95337 | 148219 | 5.49% | 0.449% |
| 48 | 12.681 | 3517 | 3527 | 3546 | rVV3 | 326377 | 731368 | 27.08% | 2.217% |
| 49 | 12.806 | 3560 | 3566 | 3574 | rVV2 | 22331 | 32764 | 1.21% | 0.099% |
| 50 | 12.870 | 3576 | 3586 | 3598 | rVB5 | 135610 | 253288 | 9.38% | 0.768% |
| 51 | 12.967 | 3599 | 3616 | 3625 | rBV2 | 263553 | 590129 | 21.85% | 1.789% |
| 52 | 13.025 | 3625 | 3634 | 3648 | rVB | 388875 | 604768 | 22.39% | 1.834% |
| 53 | 13.108 | 3650 | 3660 | 3673 | rBV5 | 63525 | 143583 | 5.32% | 0.435% |
| 54 | 13.250 | 3697 | 3704 | 3709 | rBV2 | 37489 | 53896 | 2.00% | 0.163% |
| 55 | 13.292 | 3709 | 3717 | 3732 | rVB | 176308 | 282690 | 10.47% | 0.857% |
| 56 | 13.404 | 3742 | 3752 | 3755 | rBV4 | 49118 | 72770 | 2.69% | 0.221% |
| 57 | 13.449 | 3755 | 3766 | 3779 | rVV3 | 1141642 | 1997616 | 73.95% | 6.056% |
| 58 | 13.514 | 3780 | 3786 | 3795 | rVV6 | 82065 | 156515 | 5.79% | 0.475% |
| 59 | 13.555 | 3796 | 3799 | 3807 | rVV | 26828 | 37011 | 1.37% | 0.112% |
| 60 | 13.620 | 3810 | 3819 | 3836 | rVB | 285175 | 463191 | 17.15% | 1.404% |
| 61 | 13.735 | 3844 | 3855 | 3862 | rBV4 | 128441 | 226475 | 8.38% | 0.687% |
| 62 | 13.780 | 3863 | 3869 | 3877 | rVV | 111233 | 187895 | 6.96% | 0.570% |
| 63 | 13.835 | 3877 | 3886 | 3899 | rVV5 | 210586 | 460379 | 17.04% | 1.396% |
| 64 | 13.909 | 3902 | 3909 | 3912 | rVV3 | 137143 | 210718 | 7.80% | 0.639% |
| 65 | 13.938 | 3913 | 3918 | 3938 | rVB2 | 234054 | 446565 | 16.53% | 1.354% |
| 66 | 14.083 | 3946 | 3963 | 3987 | rBV | 838599 | 1497363 | 55.43% | 4.540% |
| 67 | 14.192 | 3988 | 3997 | 4009 | rVV4 | 31708 | 68420 | 2.53% | 0.207% |
| 68 | 14.285 | 4010 | 4026 | 4036 | rVV4 | 98931 | 211594 | 7.83% | 0.642% |
| 69 | 14.343 | 4037 | 4044 | 4054 | rVB2 | 76966 | 122134 | 4.52% | 0.370% |
| 70 | 14.481 | 4077 | 4087 | 4093 | rBV | 78056 | 130497 | 4.83% | 0.396% |
| 71 | 14.665 | 4135 | 4144 | 4161 | rBV5 | 133514 | 312655 | 11.57% | 0.948% |
| 72 | 14.806 | 4180 | 4188 | 4199 | rVV | 49223 | 74206 | 2.75% | 0.225% |
| 73 | 14.874 | 4200 | 4209 | 4221 | rVB2 | 100309 | 175143 | 6.48% | 0.531% |
| 74 | 15.015 | 4243 | 4253 | 4271 | rBV4 | 113093 | 209284 | 7.75% | 0.634% |
| 75 | 15.166 | 4291 | 4300 | 4305 | rBV | 27456 | 48437 | 1.79% | 0.147% |
| 76 | 15.218 | 4305 | 4316 | 4341 | rVB | 1723301 | 2701237 | 100.00% | 8.190% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

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\SFAMUTR102822WMA.M
Title : TRACE VOA SFAM1.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 15.407 | 4363 | 4375 | 4409 | rVB | 1397659 | 2293071 | 84.89% | 6.952% |
| 78 | 15.948 | 4537 | 4543 | 4553 | rVB | 45129 | 64868 | 2.40% | 0.197% |
| 79 | 16.144 | 4596 | 4604 | 4610 | rBV | 50894 | 79038 | 2.93% | 0.240% |
| 80 | 16.179 | 4611 | 4615 | 4626 | rVB2 | 41963 | 61699 | 2.28% | 0.187% |
| 81 | 16.259 | 4630 | 4640 | 4650 | rBV | 117301 | 215420 | 7.97% | 0.653% |
| 82 | 16.404 | 4669 | 4685 | 4692 | rBV | 192773 | 344644 | 12.76% | 1.045% |
| 83 | 16.443 | 4692 | 4697 | 4712 | rVV2 | 134148 | 213381 | 7.90% | 0.647% |
| 84 | 16.526 | 4715 | 4723 | 4736 | rVB3 | 28290 | 52345 | 1.94% | 0.159% |
| 85 | 16.636 | 4742 | 4757 | 4770 | rVB3 | 44813 | 119633 | 4.43% | 0.363% |
| 86 | 16.784 | 4795 | 4803 | 4816 | rBV3 | 19230 | 34999 | 1.30% | 0.106% |

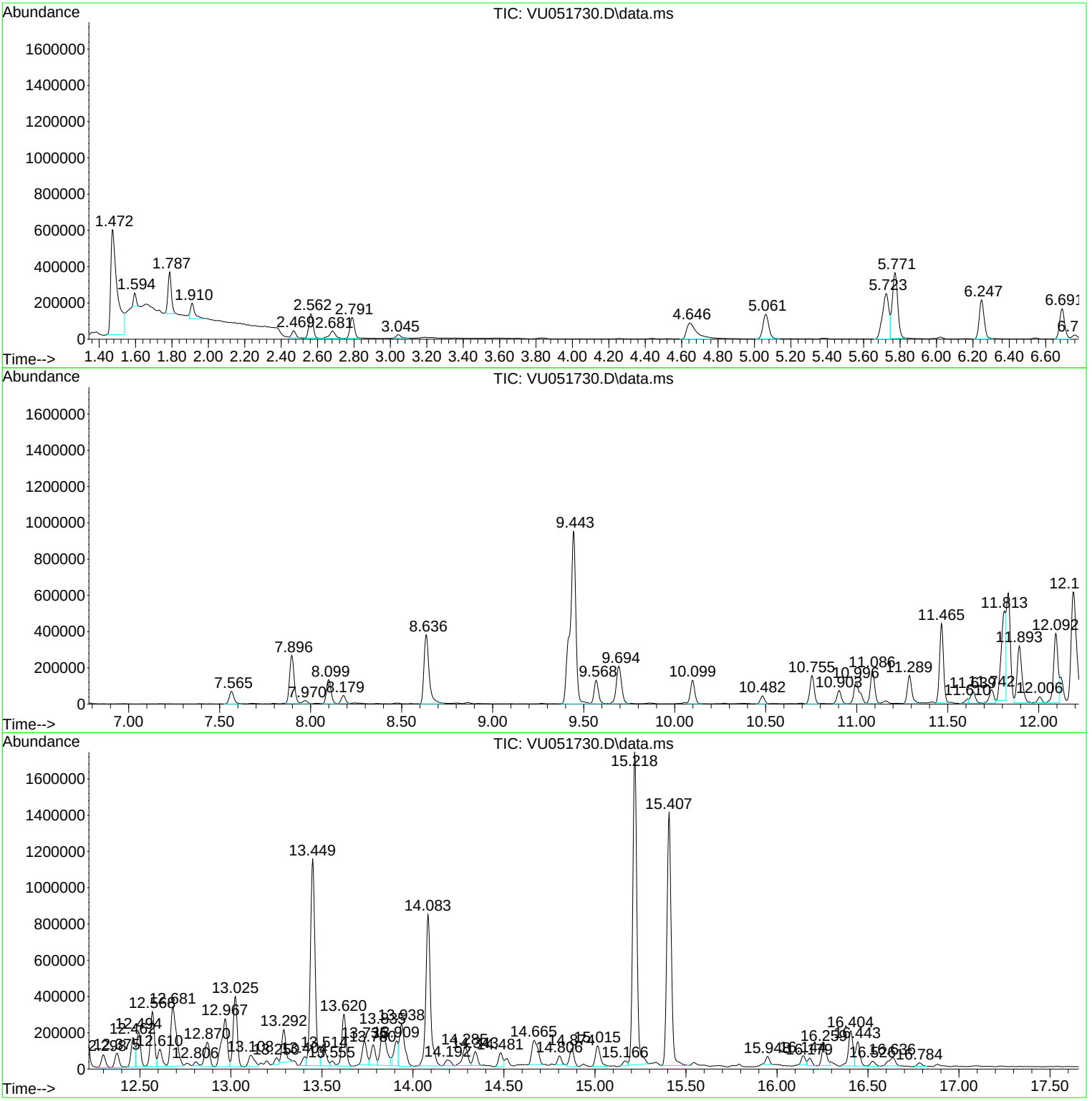
Sum of corrected areas: 32984147

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.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\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

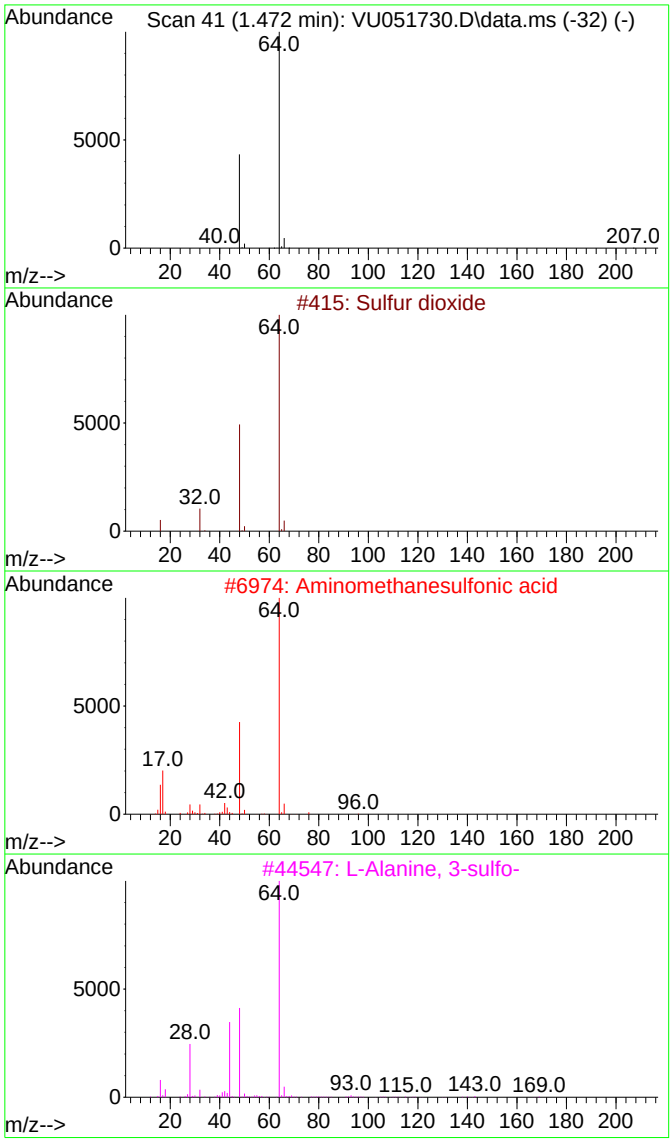
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

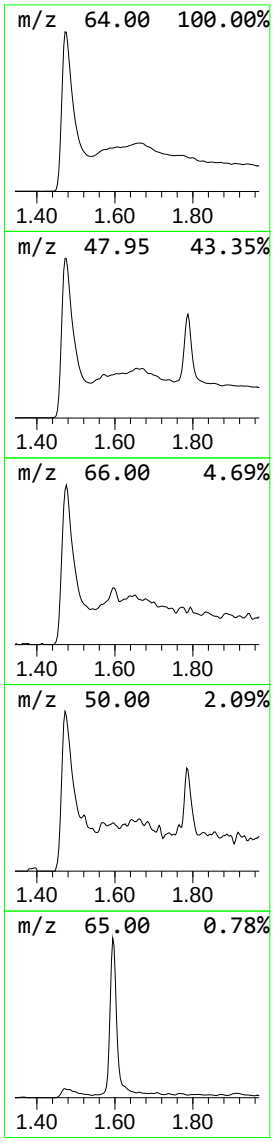
**********

Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.472 | 17.38 ug/L | 1424620 | 1,4-Difluorobenzene | 6.247 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 83 |
| 2 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 74 |
| 3 | L-Alanine, 3-sulfo- | 169 | C3H7NO5S | 000498-40-8 | 9 |
| 4 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 5 |
| 5 | Ethene, 1,1-difluoro- | 64 | C2H2F2 | 000075-38-7 | 4 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

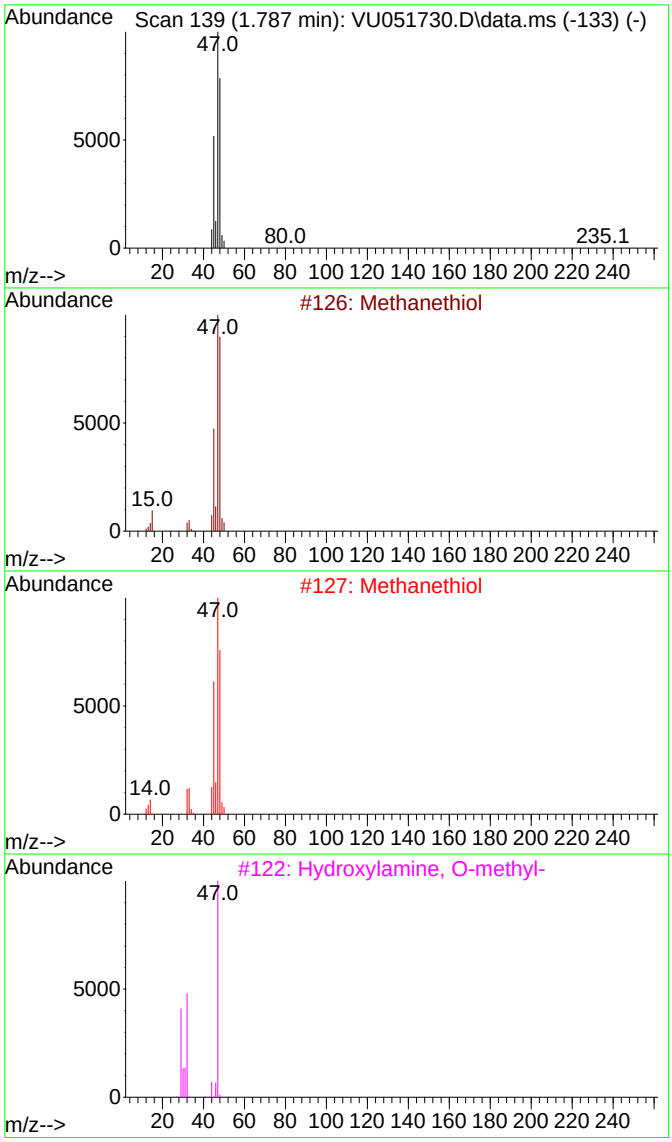
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

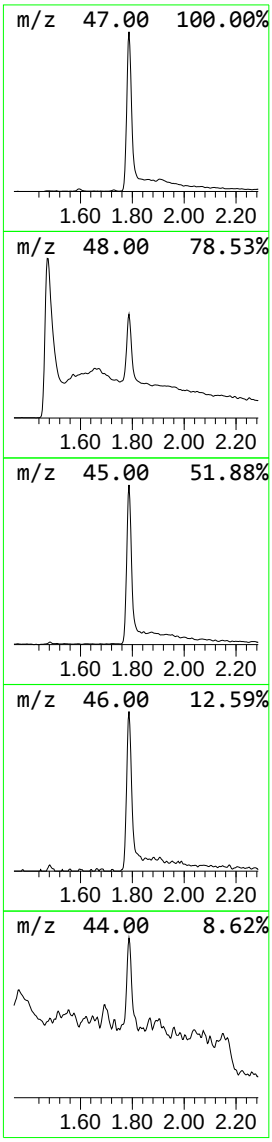
**********

Peak Number 2 Methanethiol Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.787 | 3.58 ug/L | 293059 | 1,4-Difluorobenzene | 6.247 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methanethiol | 48 | CH4S | 000074-93-1 | 90 |
| 2 | Methanethiol | 48 | CH4S | 000074-93-1 | 90 |
| 3 | Hydroxylamine, O-methyl- | 47 | CH5NO | 000067-62-9 | 7 |
| 4 | Hydroxylamine, O-methyl- | 47 | CH5NO | 000067-62-9 | 7 |
| 5 | Methane, nitroso- | 45 | CH3NO | 000865-40-7 | 5 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

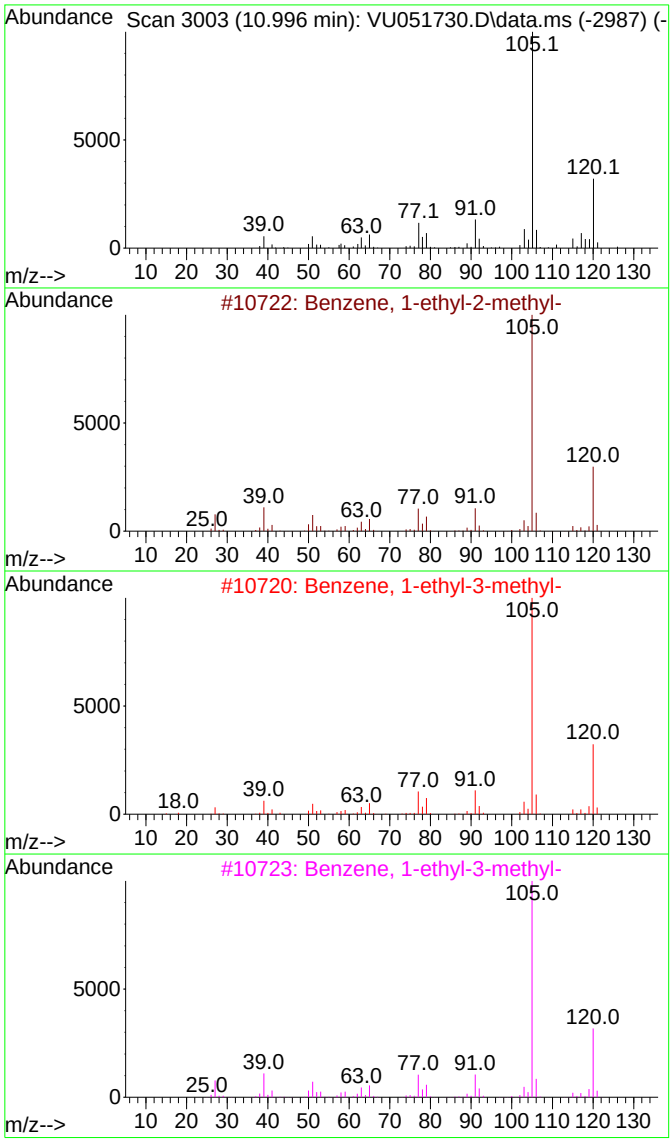
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

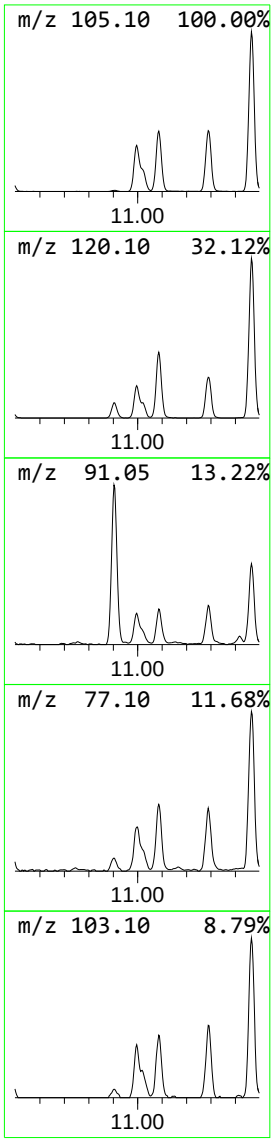
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.996 | 1.54 ug/L | 269321 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 93 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 93 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 93 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 87 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

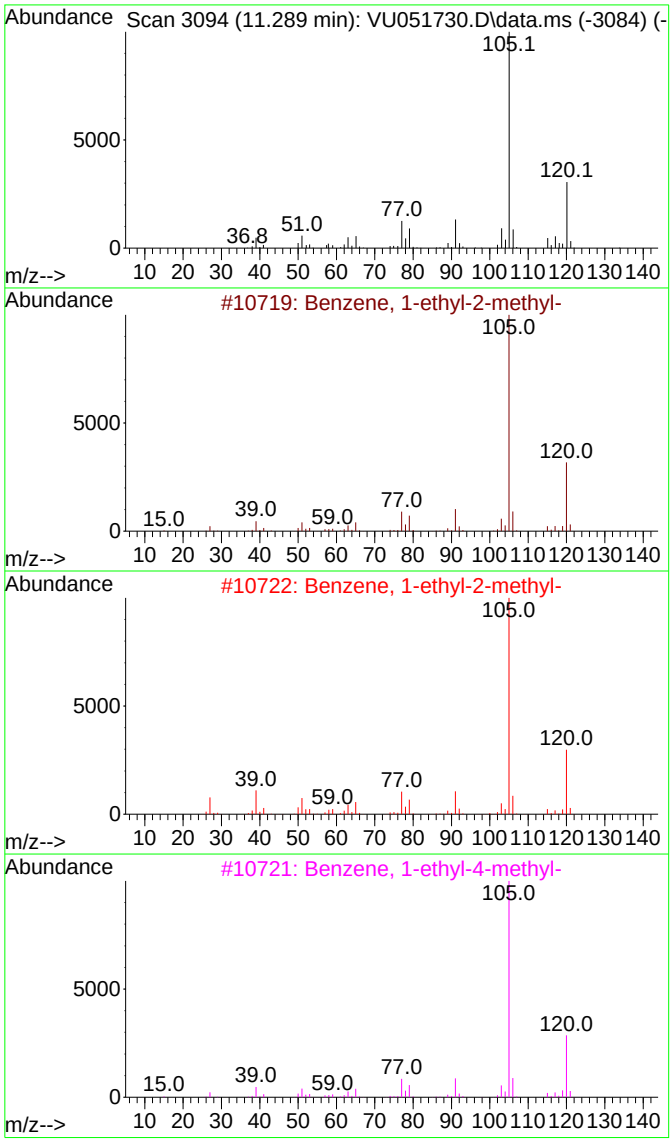
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

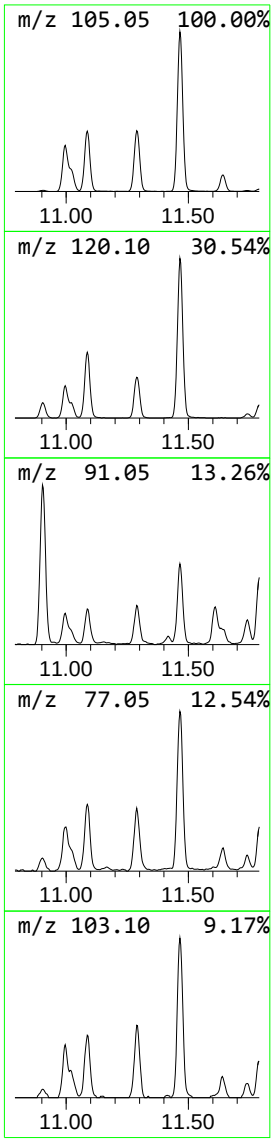
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Benzene, 1-ethyl-4-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.289 | 1.51 ug/L | 264172 | 1,4-Dichlorobenzene-d4 | 11.809 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

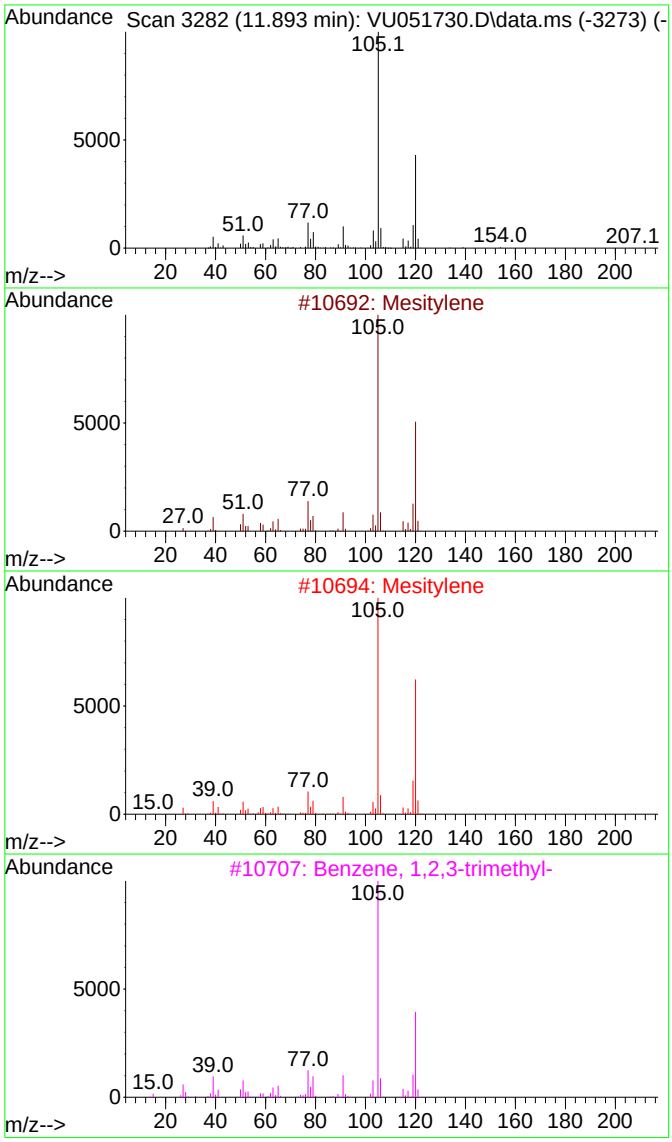
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

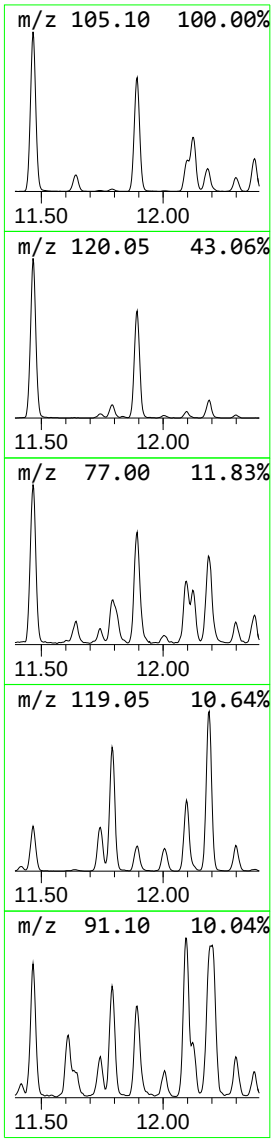
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.893 | 3.35 ug/L | 585978 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mesitylene | 120 | C9H12 | 000108-67-8 | 97 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 95 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

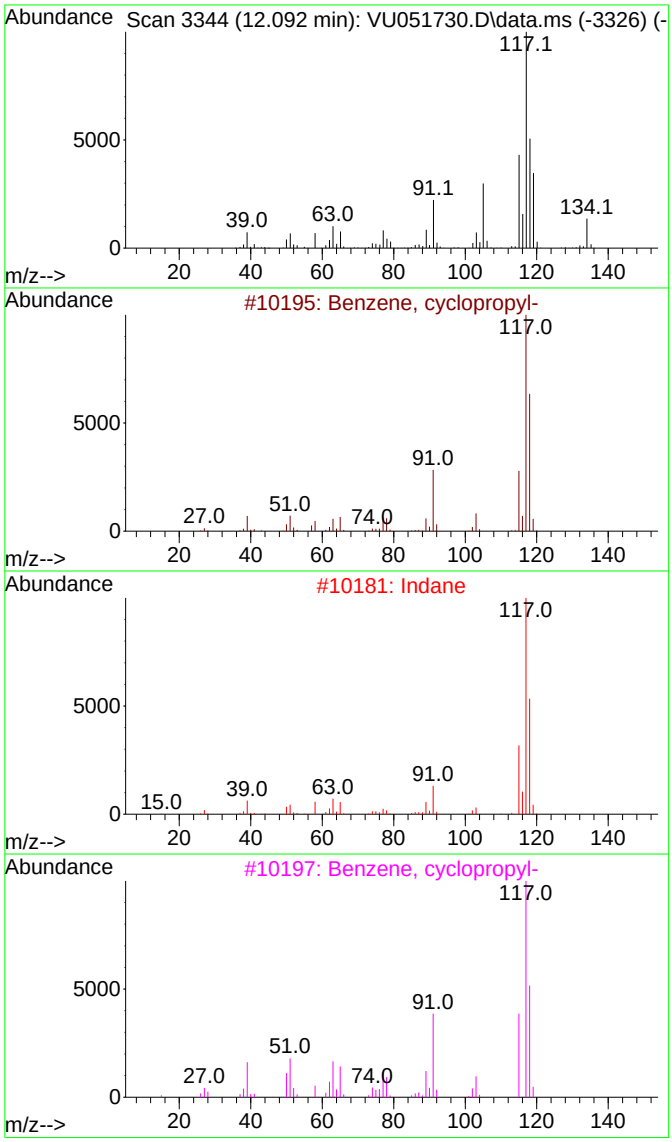
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

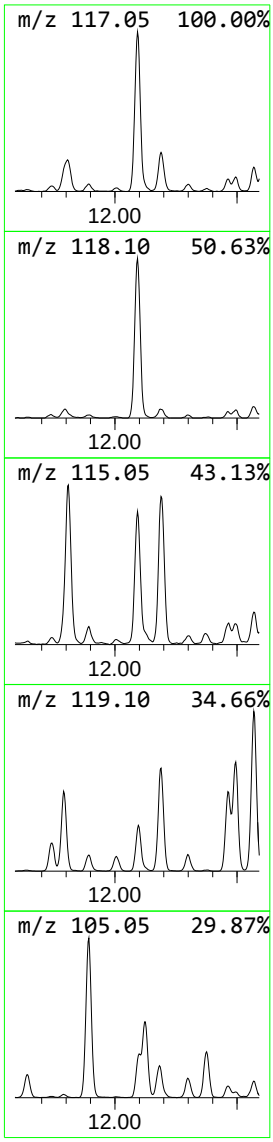
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzene, cyclopropyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.092 | 3.80 ug/L | 665646 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 60 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 60 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 55 |
| 4 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 55 |
| 5 | Indane | 118 | C9H10 | 000496-11-7 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

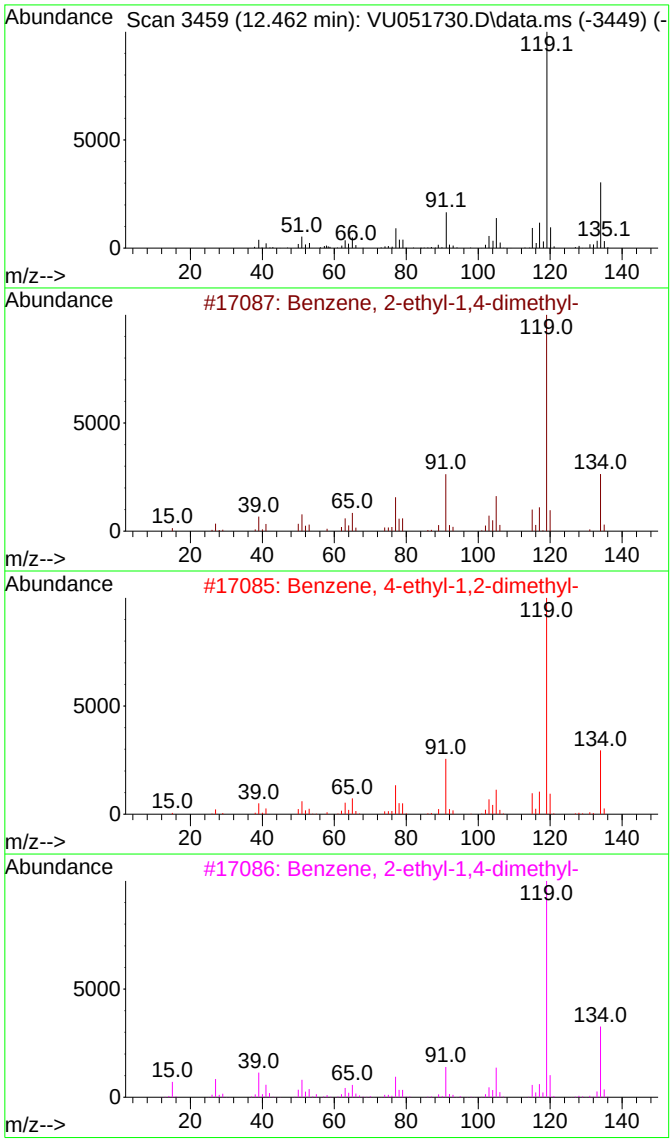
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

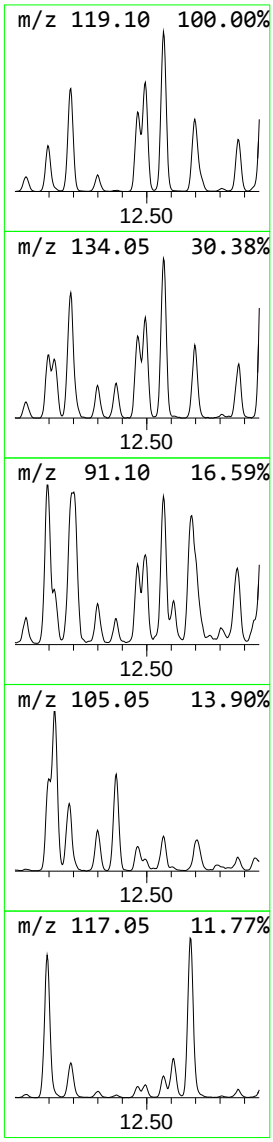
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.462 | 1.47 ug/L | 258038 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 3 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 96 |
| 4 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

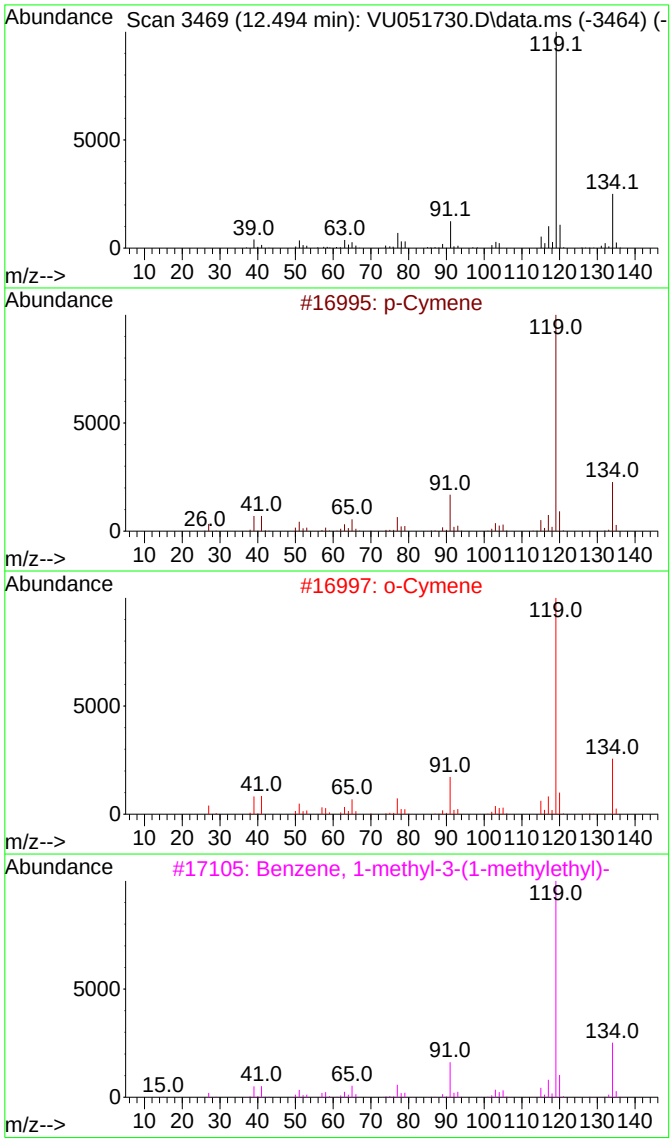
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

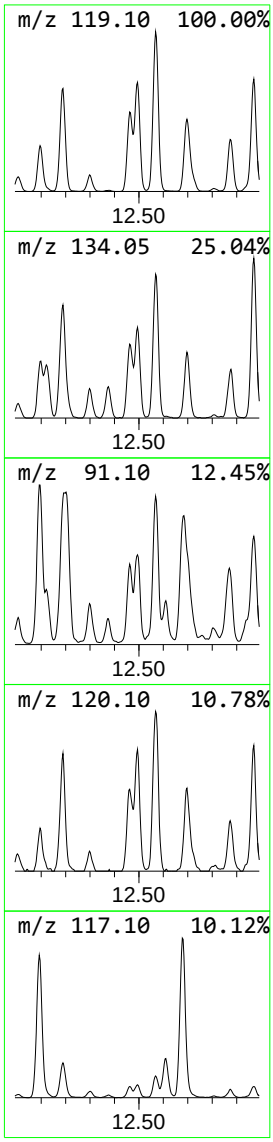
**********

Peak Number 16 p-Cymene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.494 | 1.57 ug/L | 274085 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 91 |
| 4 | 1,3,5-Cycloheptatriene, 3,7,7-tr... | 134 | C10H14 | 003479-89-8 | 91 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

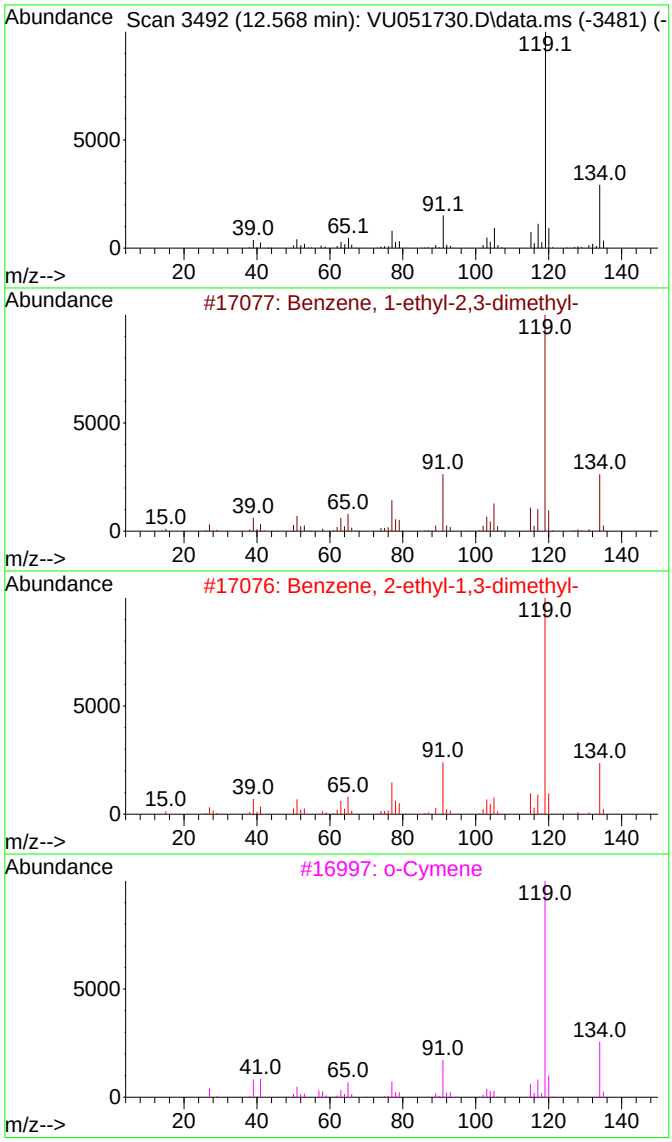
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

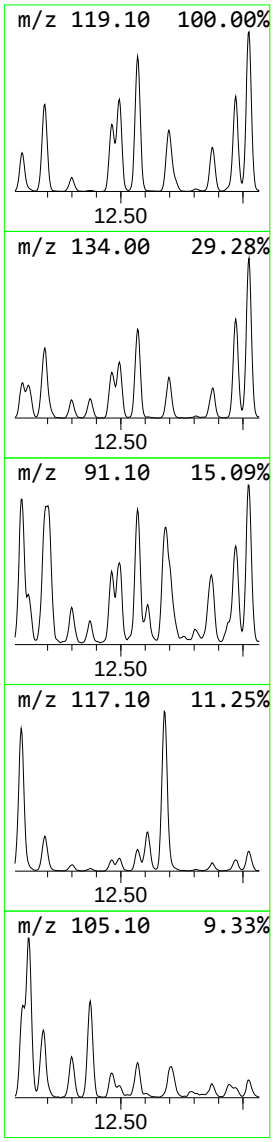
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.568 | 2.70 ug/L | 472884 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 96 |
| 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 | 94 |
| 5 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

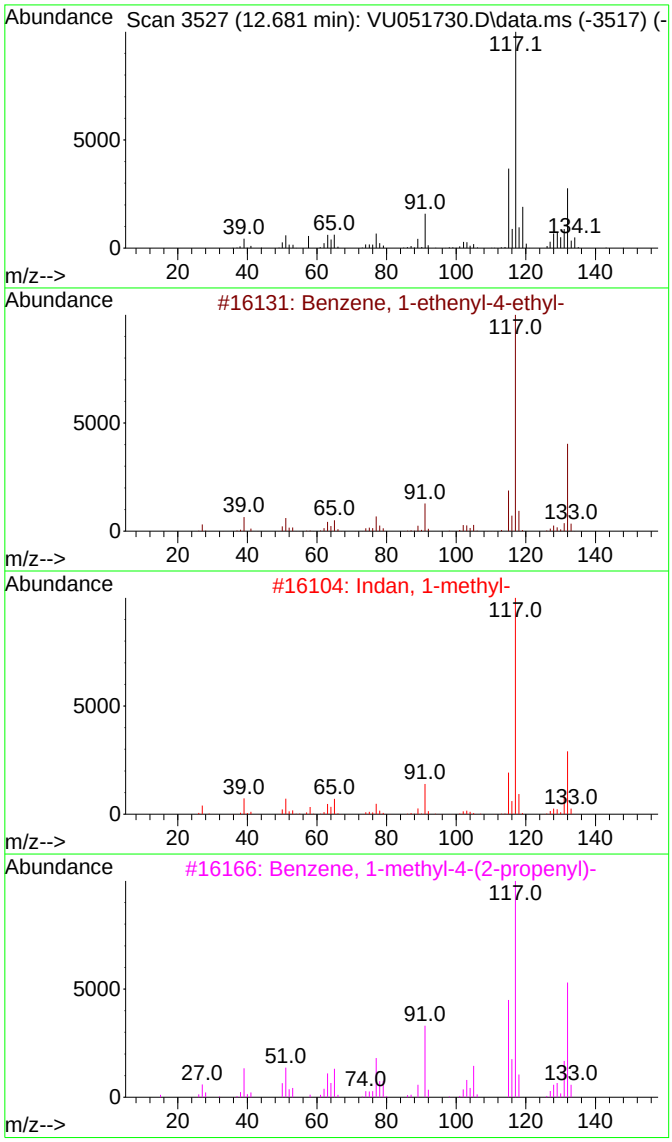
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

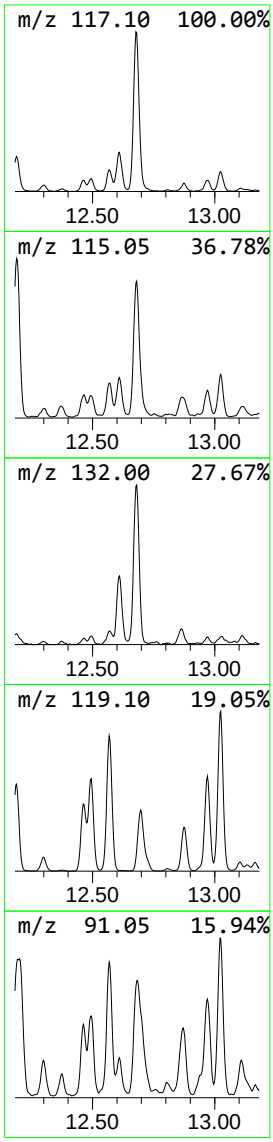
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.681 | 4.18 ug/L | 731368 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 76 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 76 |
| 3 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 74 |
| 4 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 72 |
| 5 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

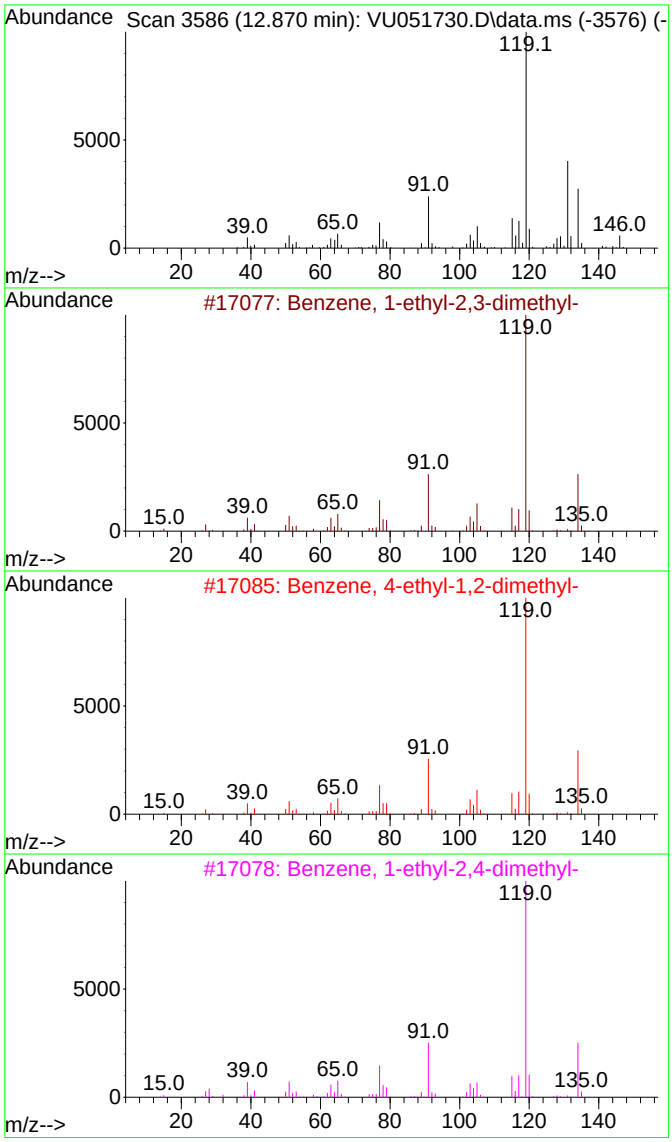
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

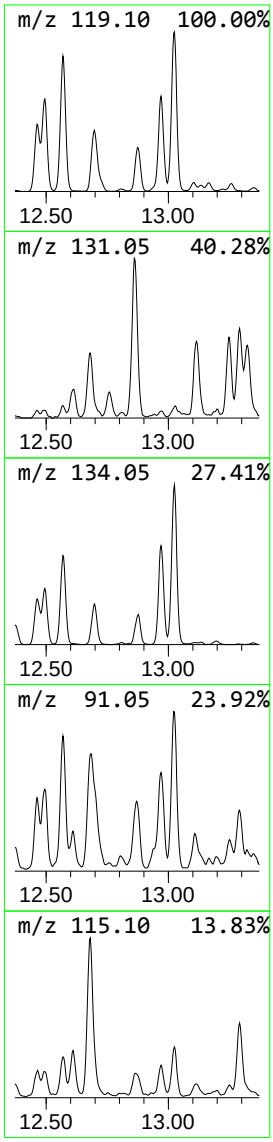
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.871 | 1.45 ug/L | 253288 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 93 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 93 |
| 3 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 91 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 83 |
| 5 | 1,3,5-Cycloheptatriene, 3,7,7-tr... | 134 | C10H14 | 003479-89-8 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

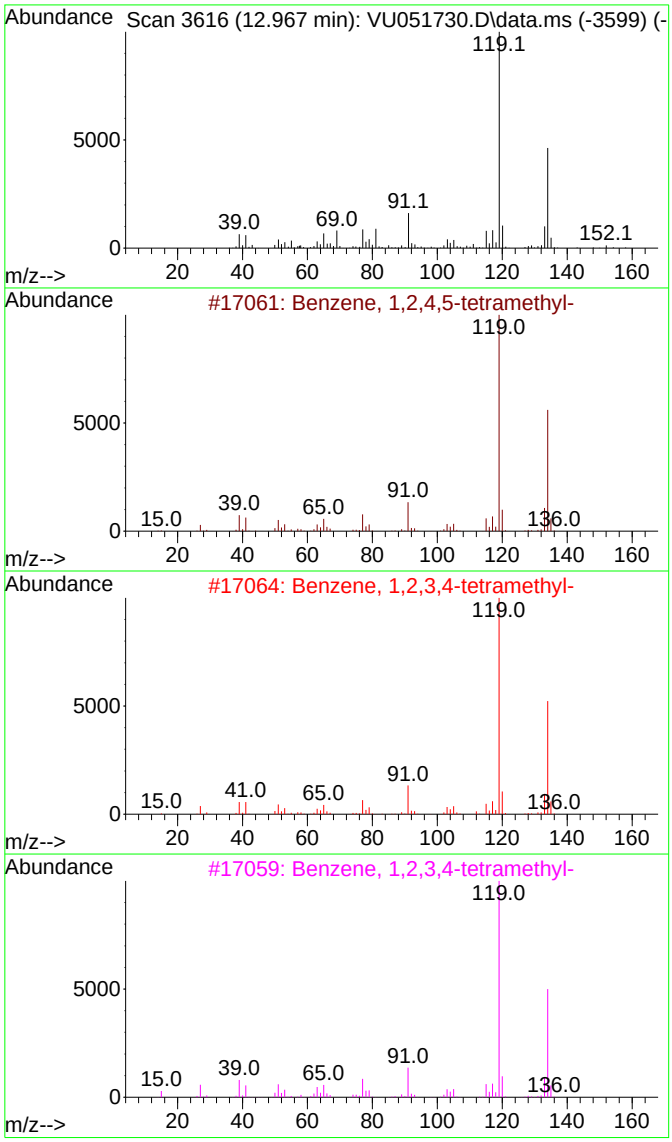
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

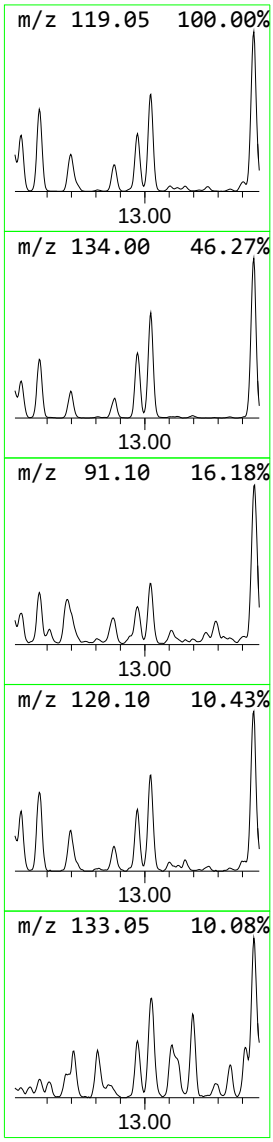
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.967 | 3.37 ug/L | 590129 | 1,4-Dichlorobenzene-d4 | 11.809 |

| 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 | 97 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 4 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 96 |
| 5 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 96 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

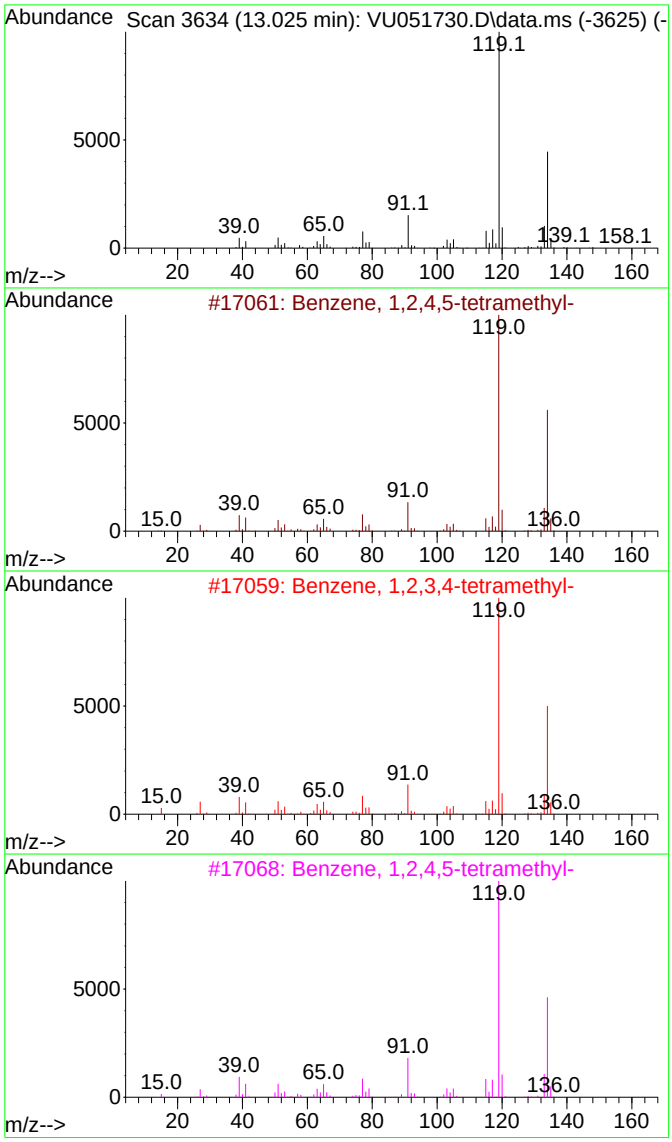
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

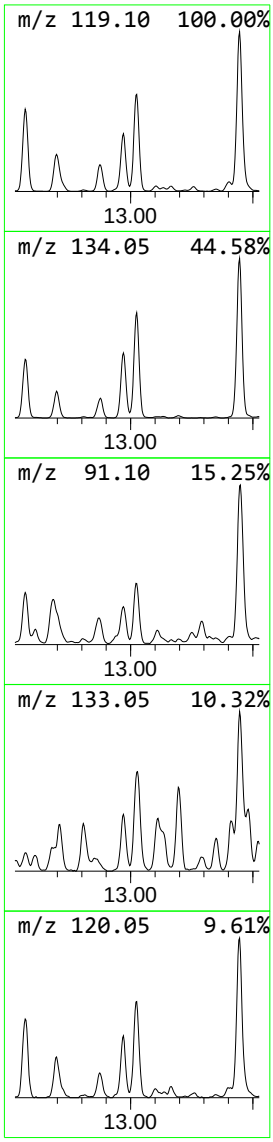
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.025 | 3.45 ug/L | 604768 | 1,4-Dichlorobenzene-d4 | 11.809 |

| 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 | 97 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

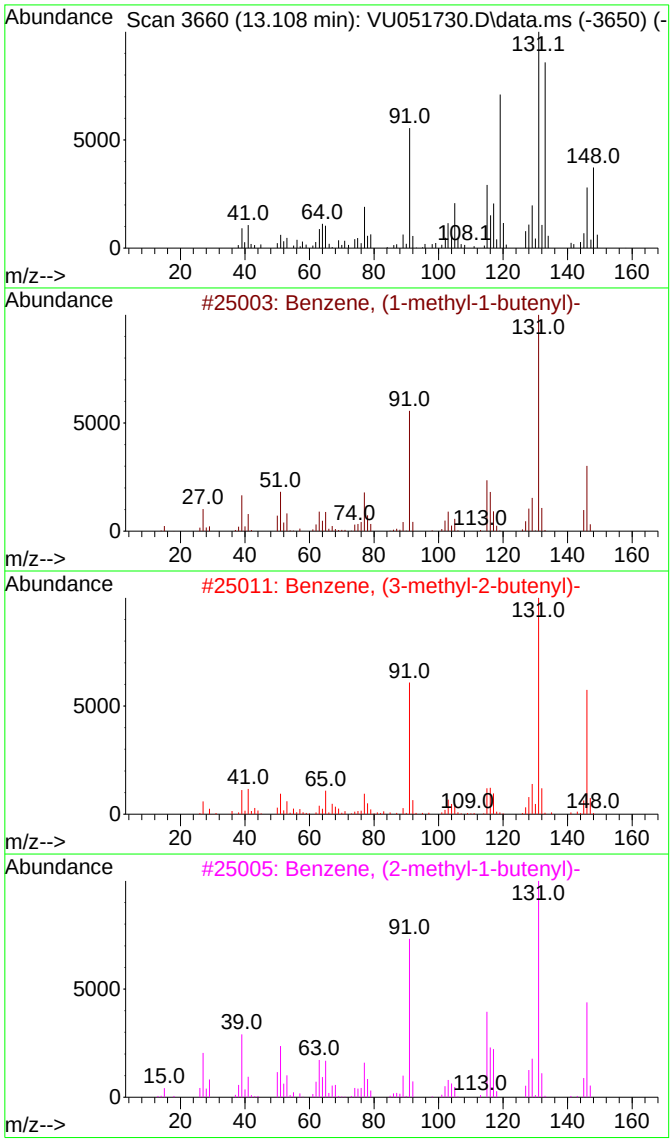
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

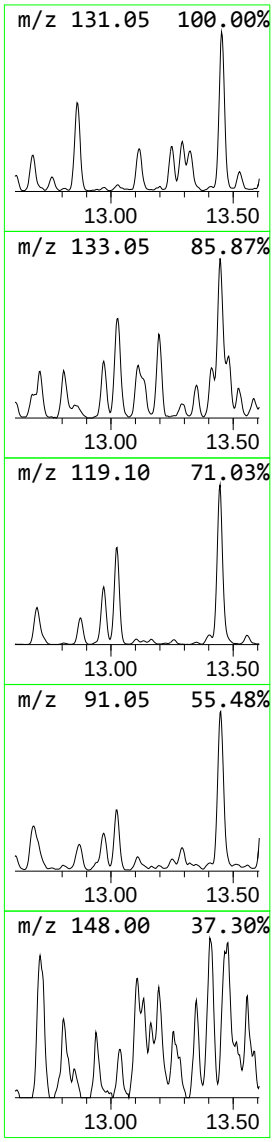
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 Benzene, (1-methyl-1-butenyl)- Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.108 | 0.82 ug/L | 143583 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 62 |
| 2 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 52 |
| 3 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 51 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 46 |
| 5 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 46 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

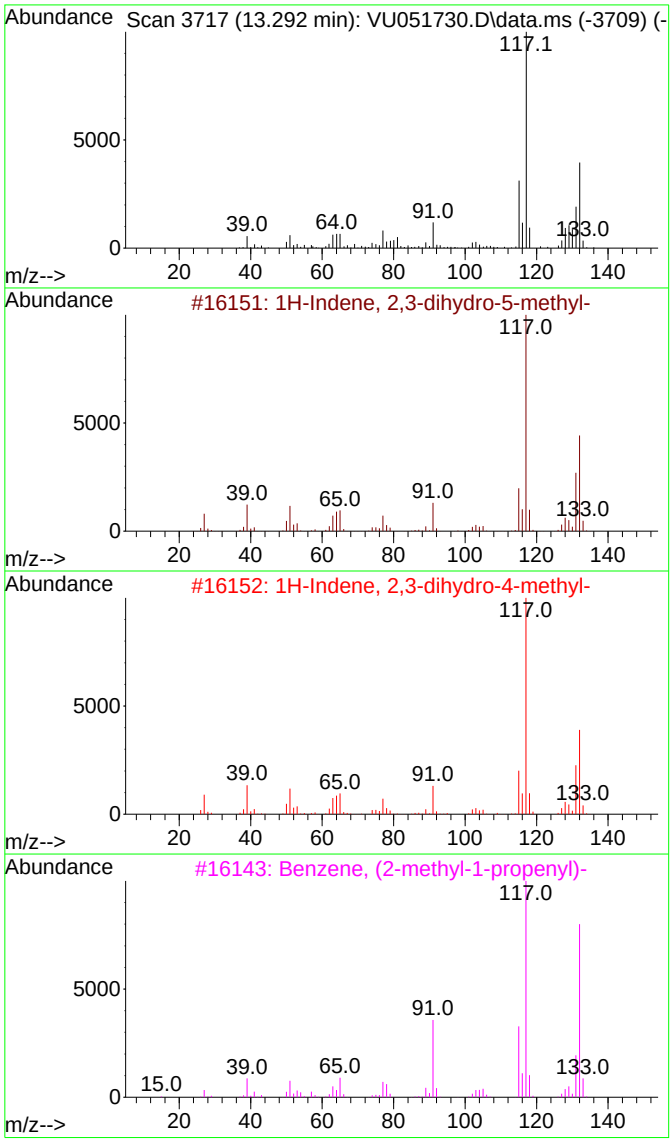
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

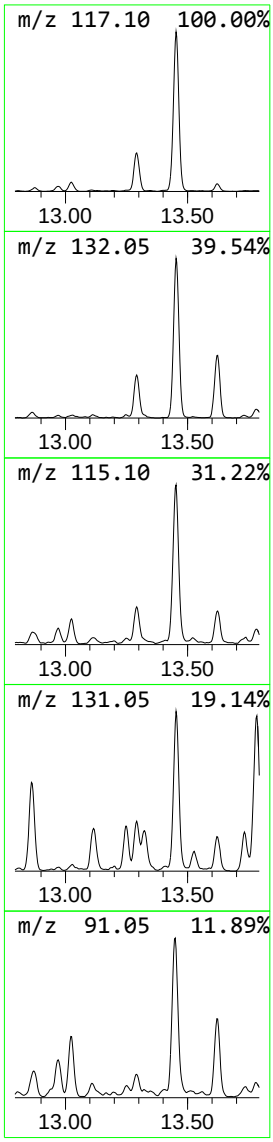
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.292 | 1.61 ug/L | 282690 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 87 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 87 |
| 3 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 87 |
| 4 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 86 |
| 5 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

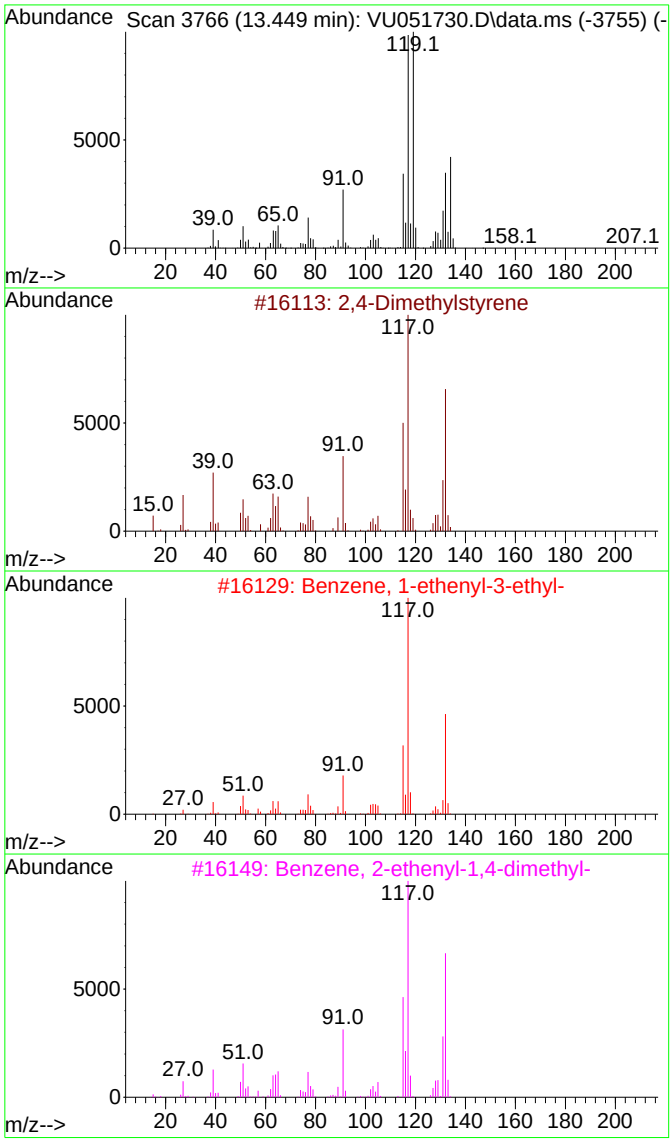
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

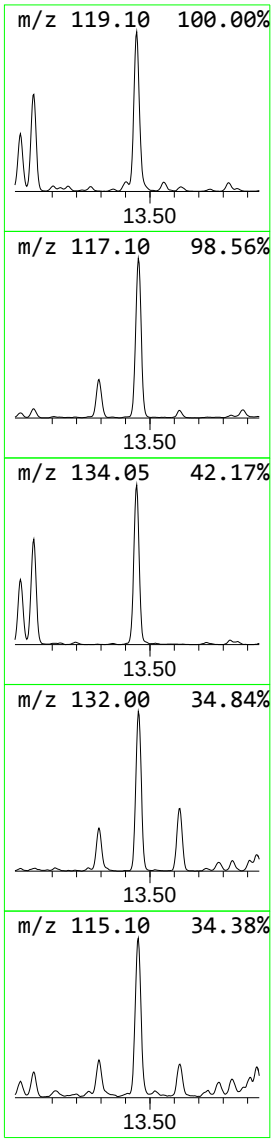
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 25 2,4-Dimethylstyrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.449 | 11.41 ug/L | 1997620 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 92 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 86 |
| 3 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 74 |
| 4 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 64 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

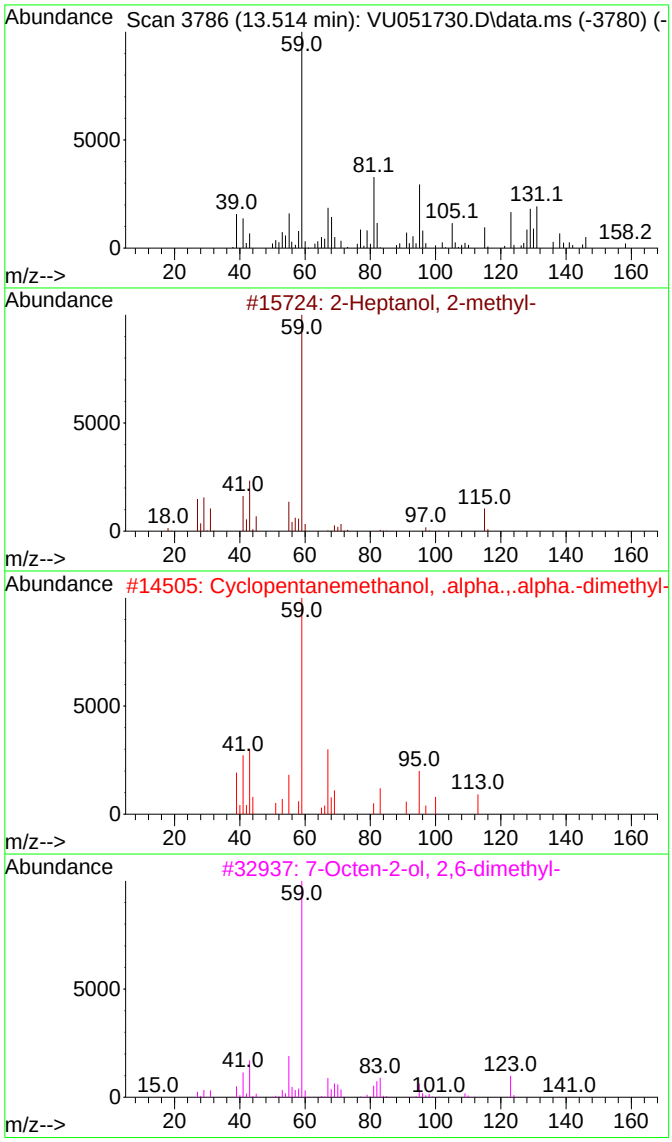
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

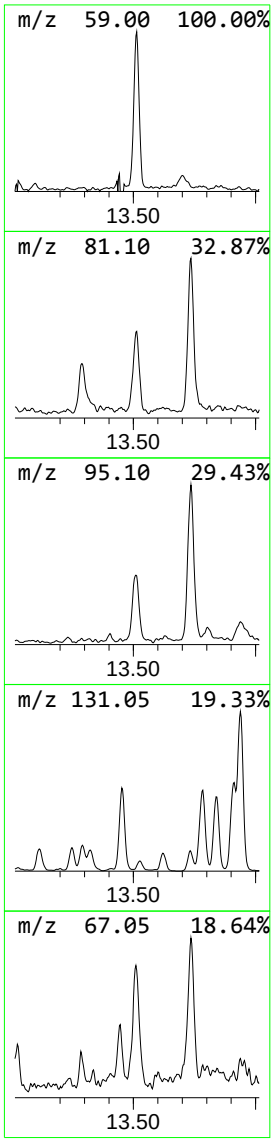
**********

Peak Number 26 unknown-01 Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.514 | 0.89 ug/L | 156515 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Heptanol, 2-methyl- | 130 | C8H18O | 000625-25-2 | 38 |
| 2 | Cyclopentanemethanol, .alpha.,.a... | 128 | C8H16O | 001462-06-2 | 37 |
| 3 | 7-Octen-2-ol, 2,6-dimethyl- | 156 | C10H20O | 018479-58-8 | 37 |
| 4 | Oxetane, 2,2,3-trimethyl- | 100 | C6H12O | 023120-43-6 | 35 |
| 5 | 2-Hexanol, methyl ether | 116 | C7H16O | 1000333-92-0 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

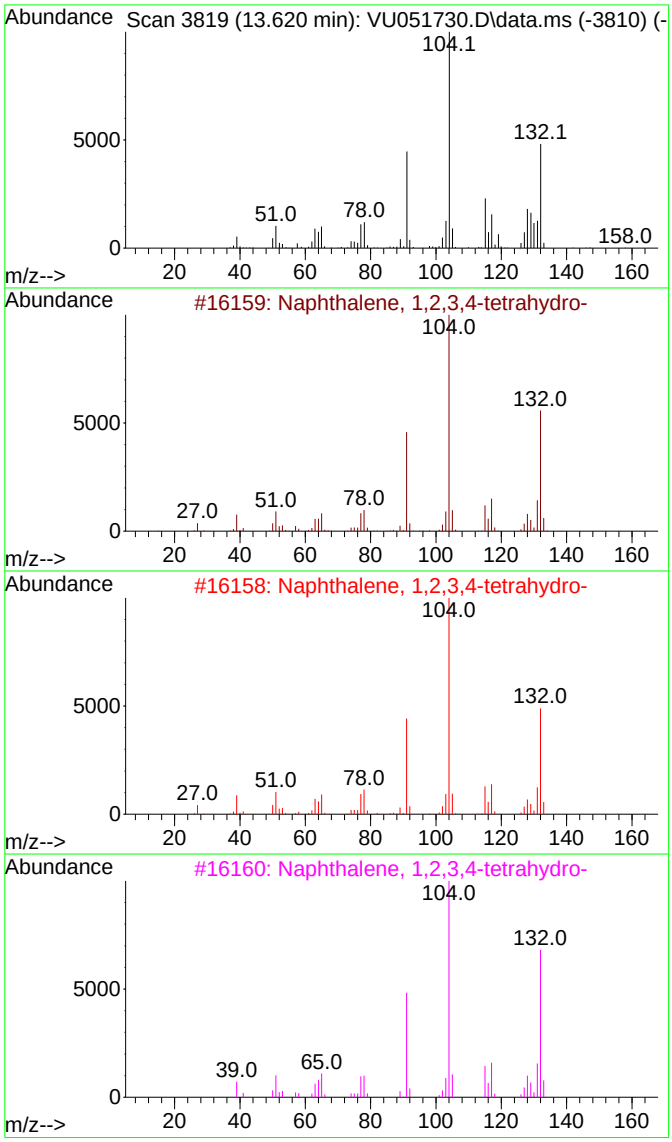
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

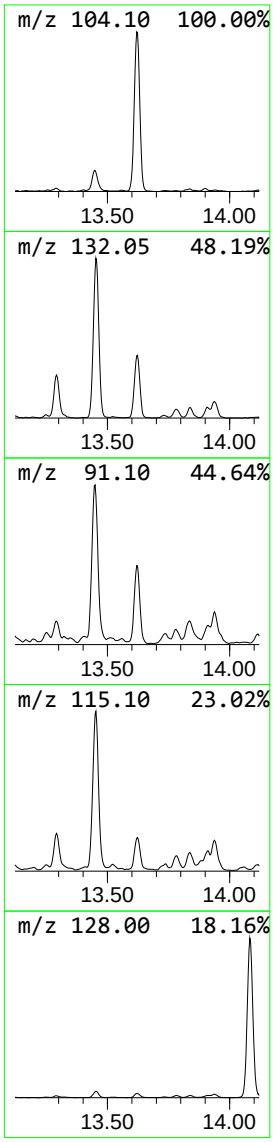
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 27 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.620 | 2.65 ug/L | 463191 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 90 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 90 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 90 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 90 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 89 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

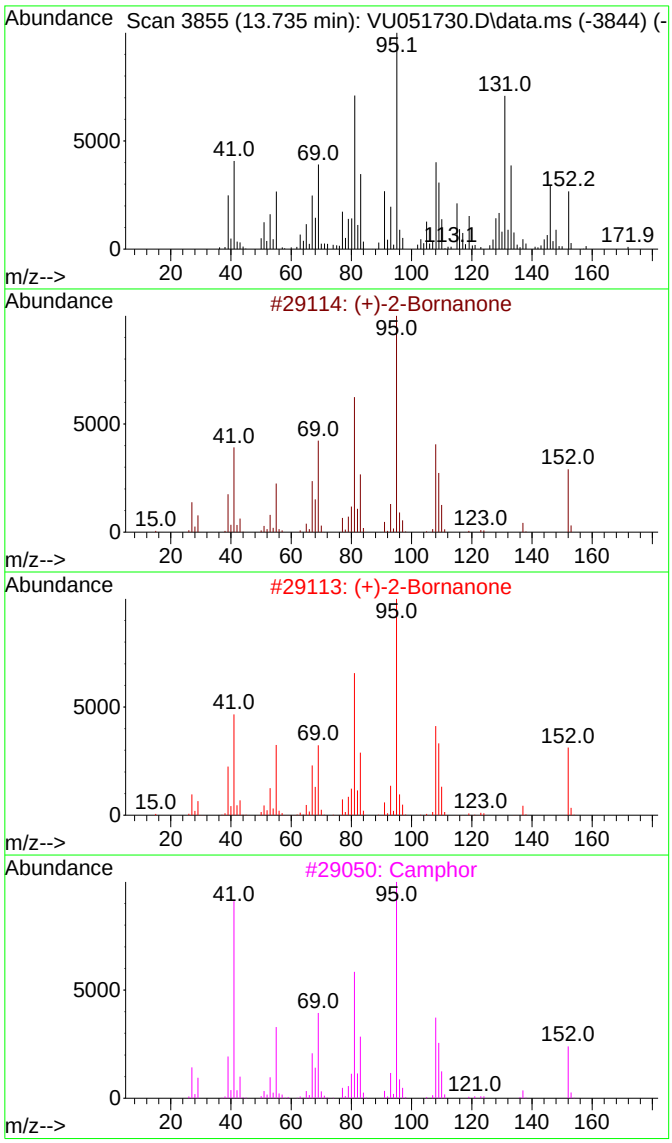
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

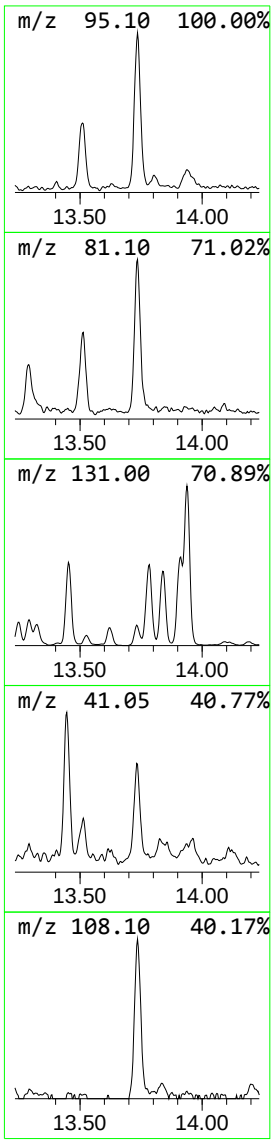
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 (+)-2-Bornanone Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.735 | 1.29 ug/L | 226475 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (+)-2-Bornanone | 152 | C10H16O | 000464-49-3 | 96 |
| 2 | (+)-2-Bornanone | 152 | C10H16O | 000464-49-3 | 96 |
| 3 | Camphor | 152 | C10H16O | 000076-22-2 | 95 |
| 4 | Camphor | 152 | C10H16O | 000076-22-2 | 95 |
| 5 | (+)-2-Bornanone | 152 | C10H16O | 000464-49-3 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

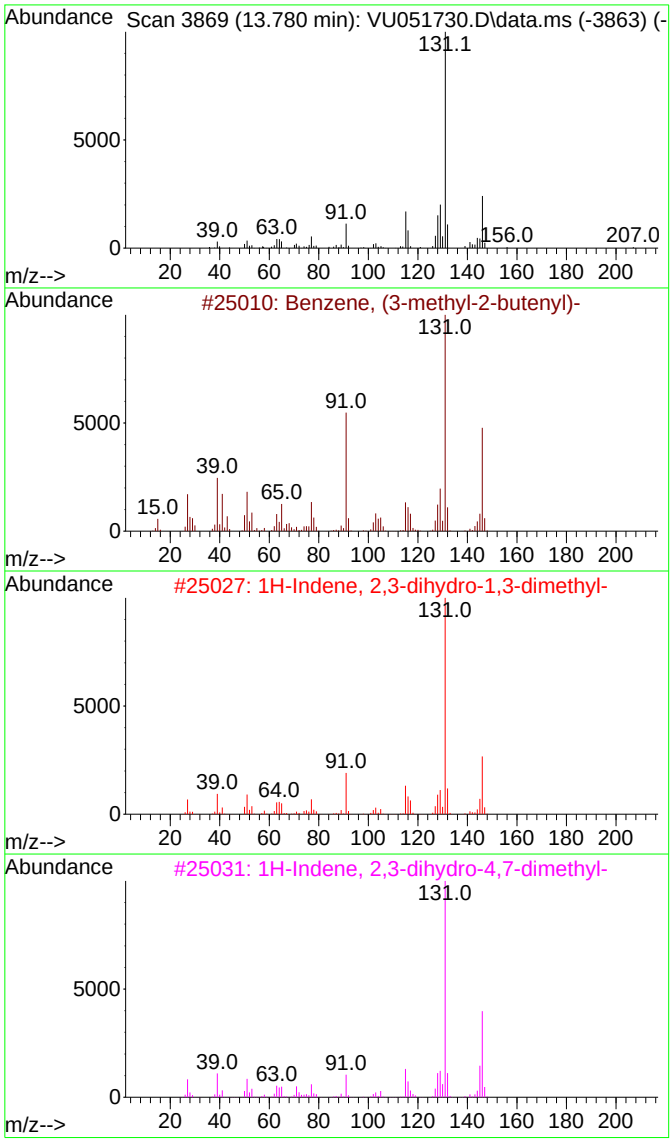
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

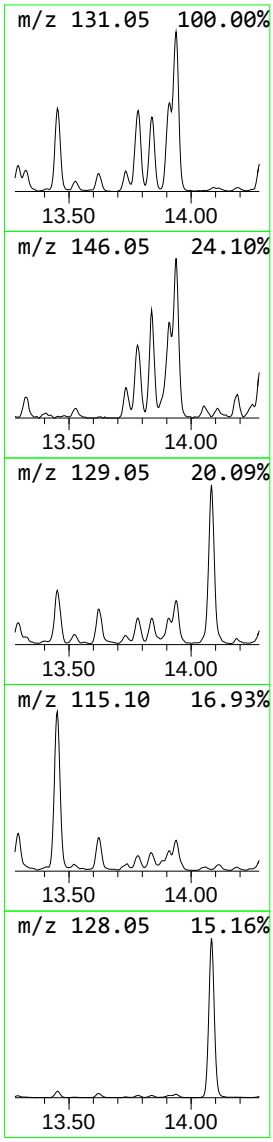
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 29 Benzene, (3-methyl-2-butenyl)- Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.780 | 1.07 ug/L | 187895 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 91 |
| 2 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 90 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 90 |
| 4 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 87 |
| 5 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 83 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

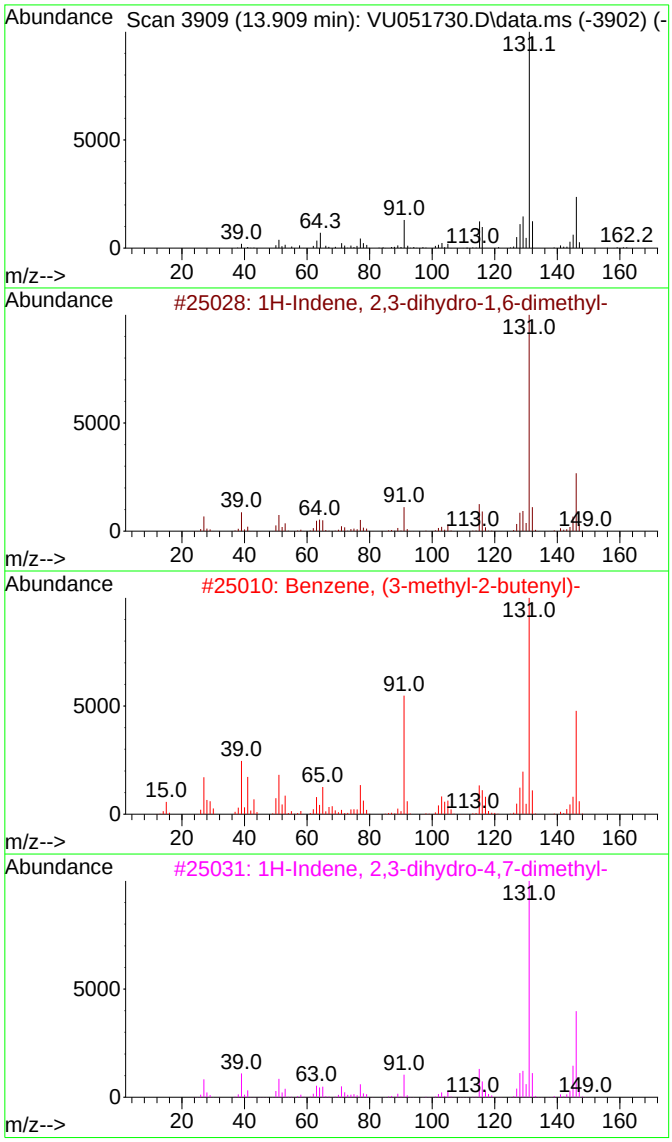
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

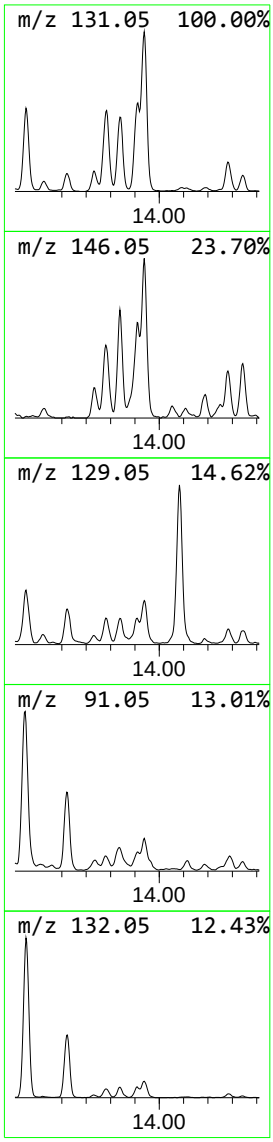
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 30 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.909 | 1.20 ug/L | 210718 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 97 |
| 2 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 95 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 95 |
| 4 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 94 |
| 5 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

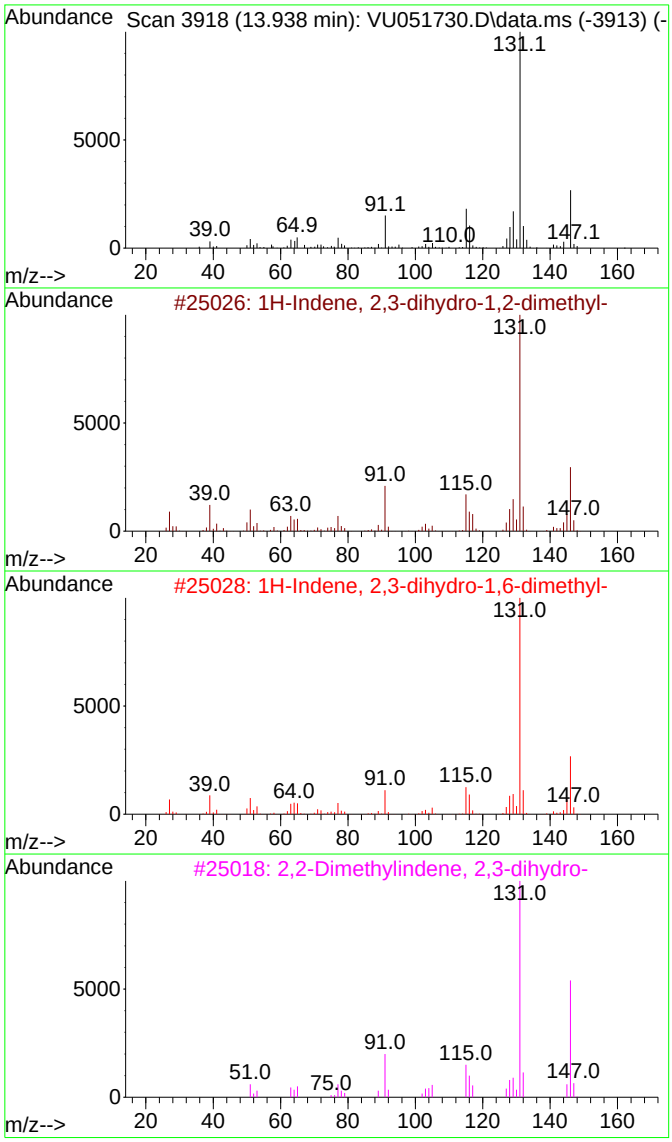
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

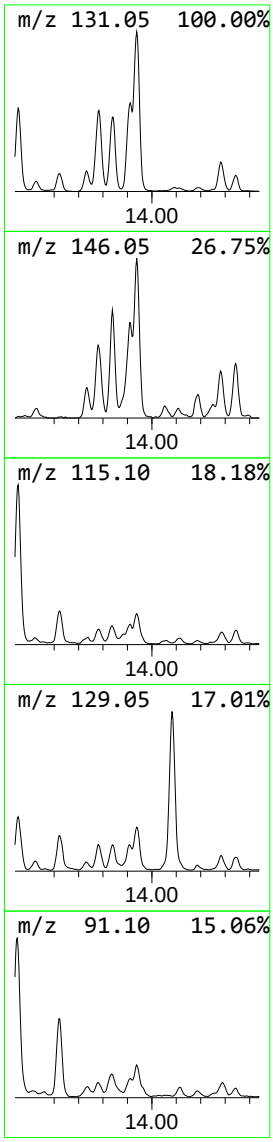
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 31 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.938 | 2.55 ug/L | 446565 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 91 |
| 2 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 91 |
| 3 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 91 |
| 4 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 90 |
| 5 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

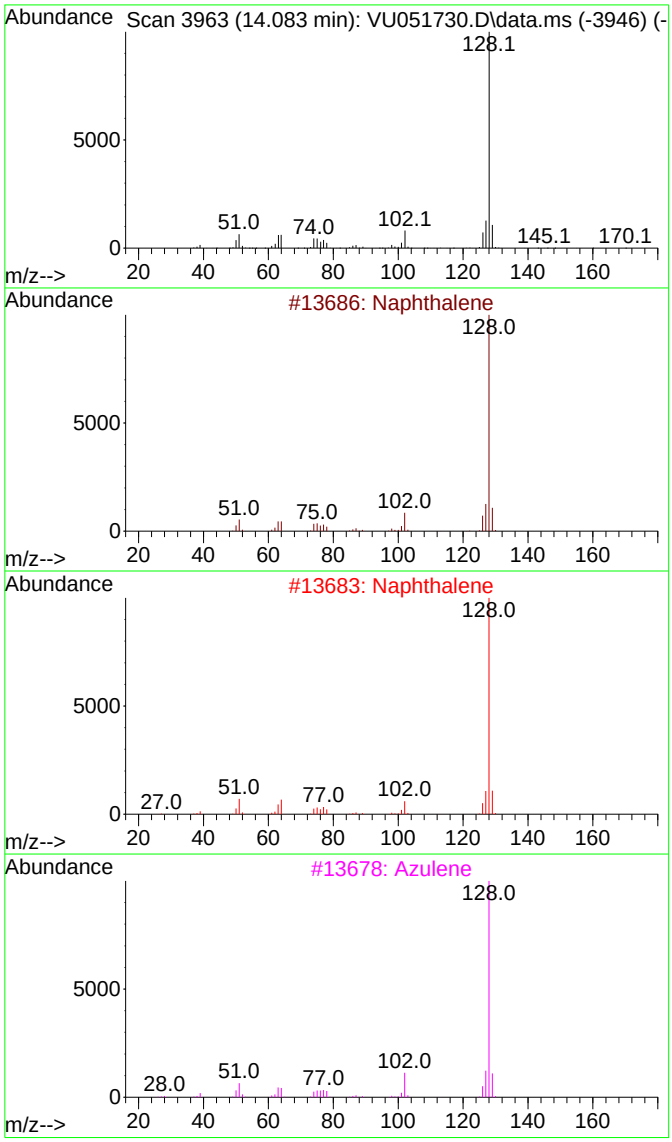
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

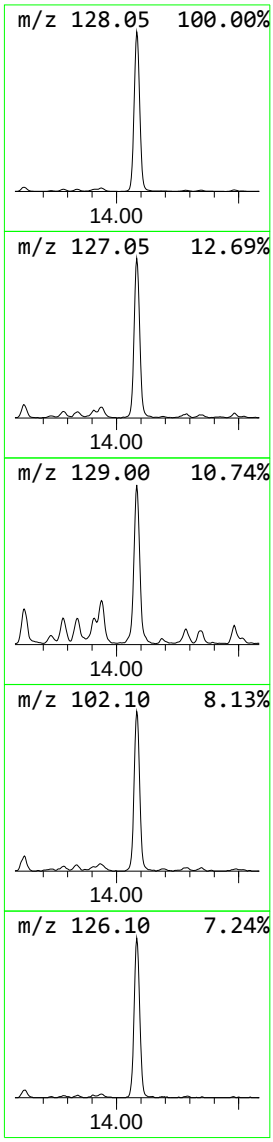
**********

Peak Number 32 Azulene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.083 | 8.55 ug/L | 1497360 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene | 128 | C10H8 | 000091-20-3 | 95 |
| 2 | Naphthalene | 128 | C10H8 | 000091-20-3 | 94 |
| 3 | Azulene | 128 | C10H8 | 000275-51-4 | 93 |
| 4 | Naphthalene | 128 | C10H8 | 000091-20-3 | 91 |
| 5 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

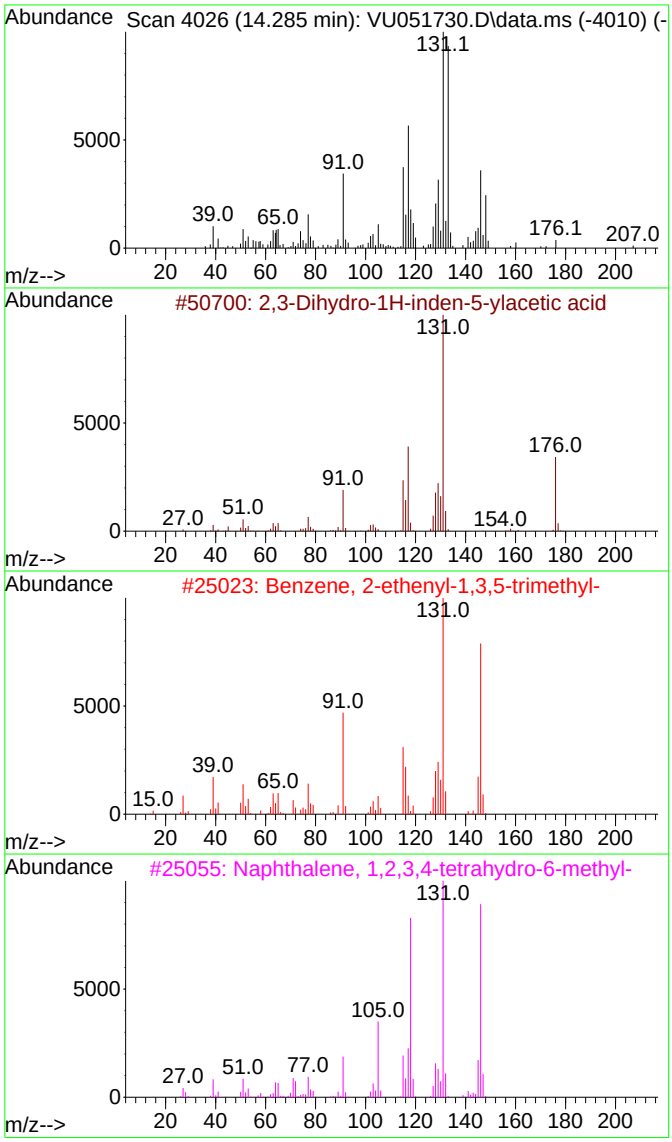
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

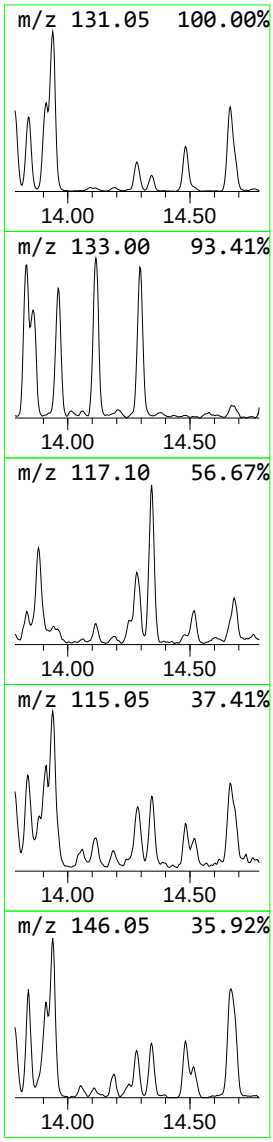
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 33 2,3-Dihydro-1H-inden-5-ylac... Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.285 | 1.21 ug/L | 211594 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3-Dihydro-1H-inden-5-ylacetic ... | 176 | C11H12O2 | 005453-98-5 | 55 |
| 2 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 49 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 49 |
| 4 | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14 | 052161-57-6 | 46 |
| 5 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 46 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

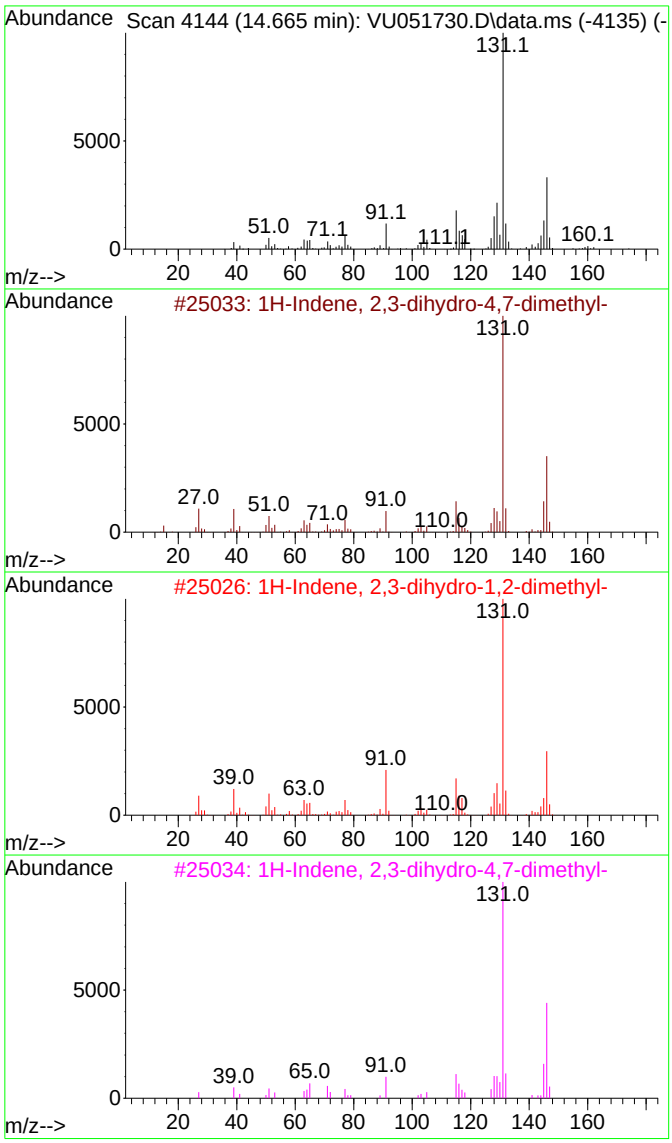
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

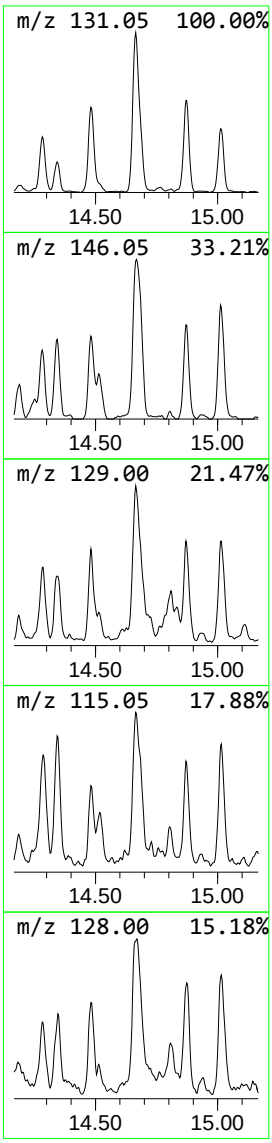
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 36 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.665 | 1.79 ug/L | 312655 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 93 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 93 |
| 4 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 90 |
| 5 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

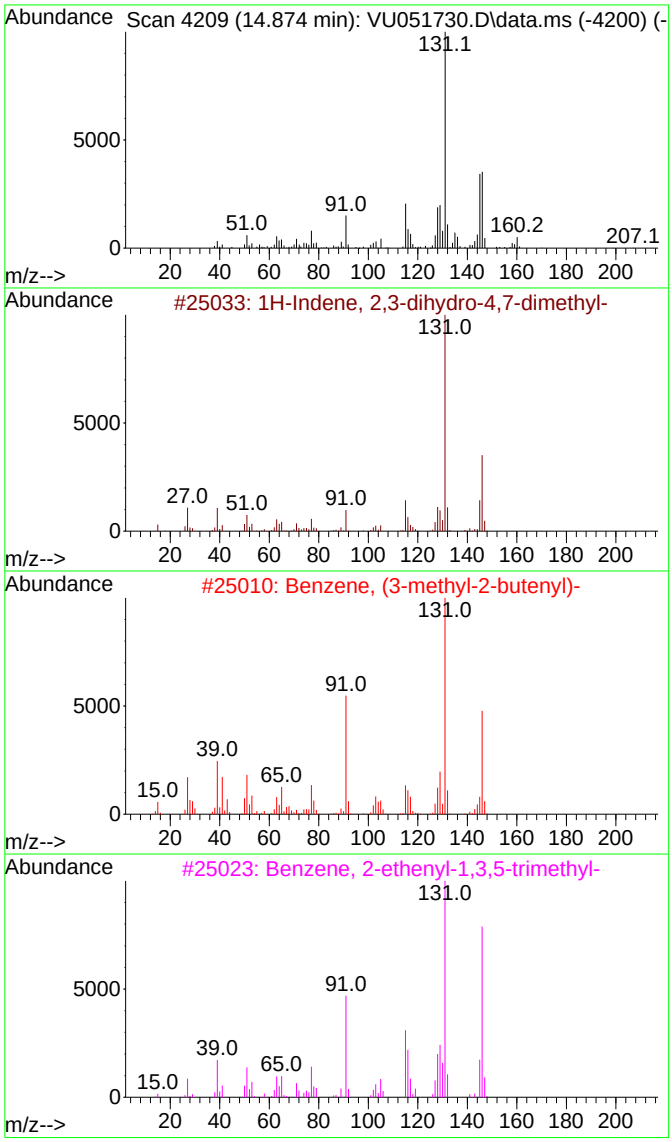
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

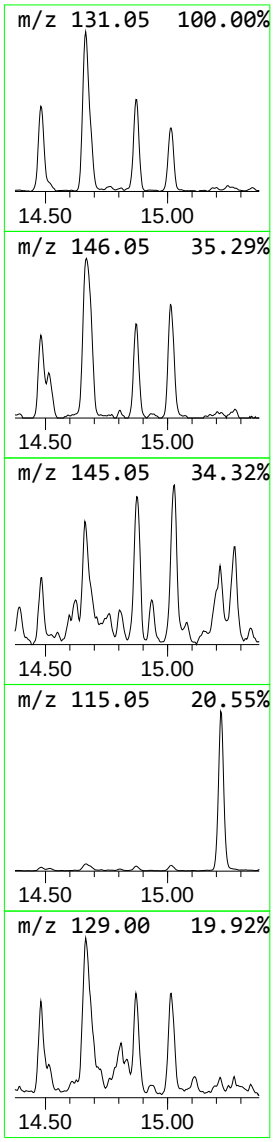
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 37 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.874 | 1.00 ug/L | 175143 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 87 |
| 2 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 87 |
| 3 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 83 |
| 4 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 81 |
| 5 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

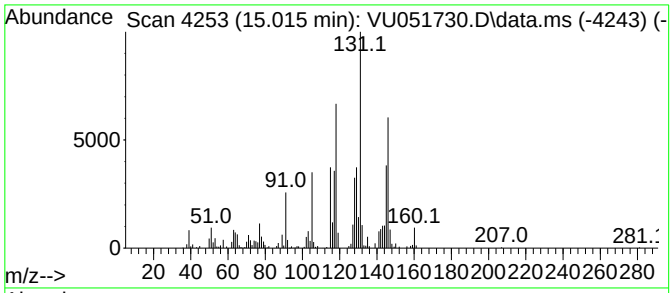
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

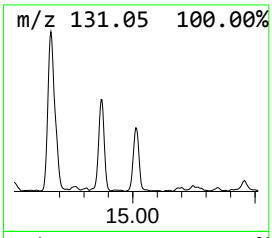
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

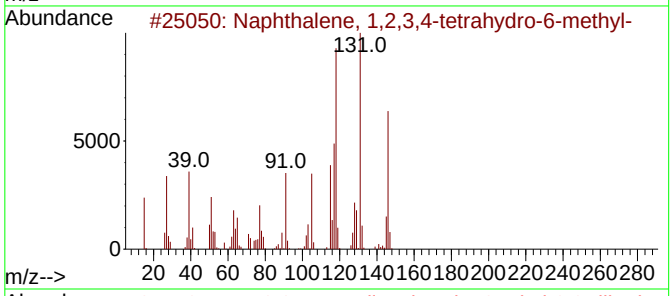
**********
Peak Number 38 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 29

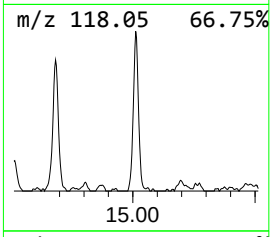
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.015 | 1.20 ug/L | 209284 | 1,4-Dichlorobenzene-d4 | 11.809 |

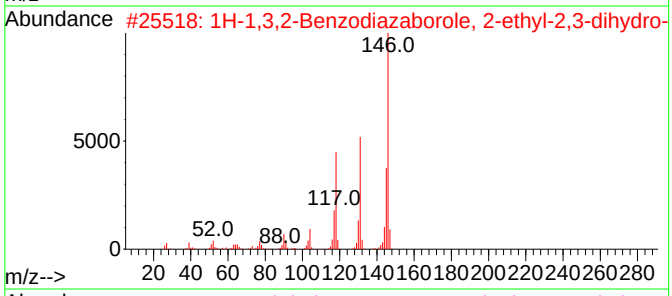
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 91 |
| 2 | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 90 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 86 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 70 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 70 |

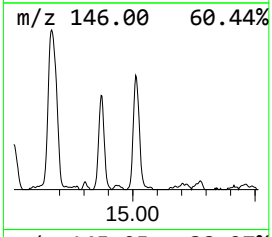


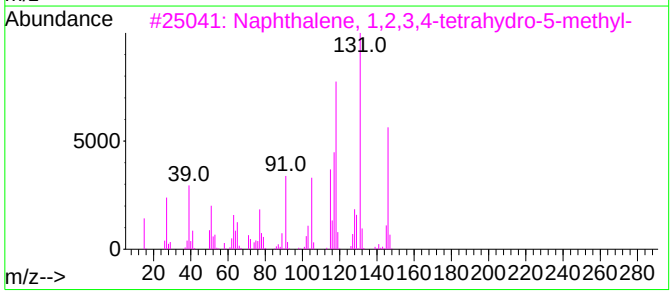



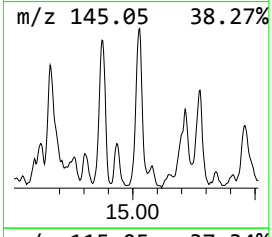



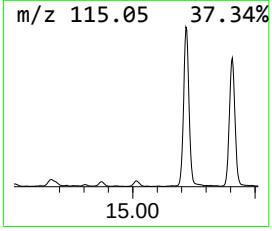



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

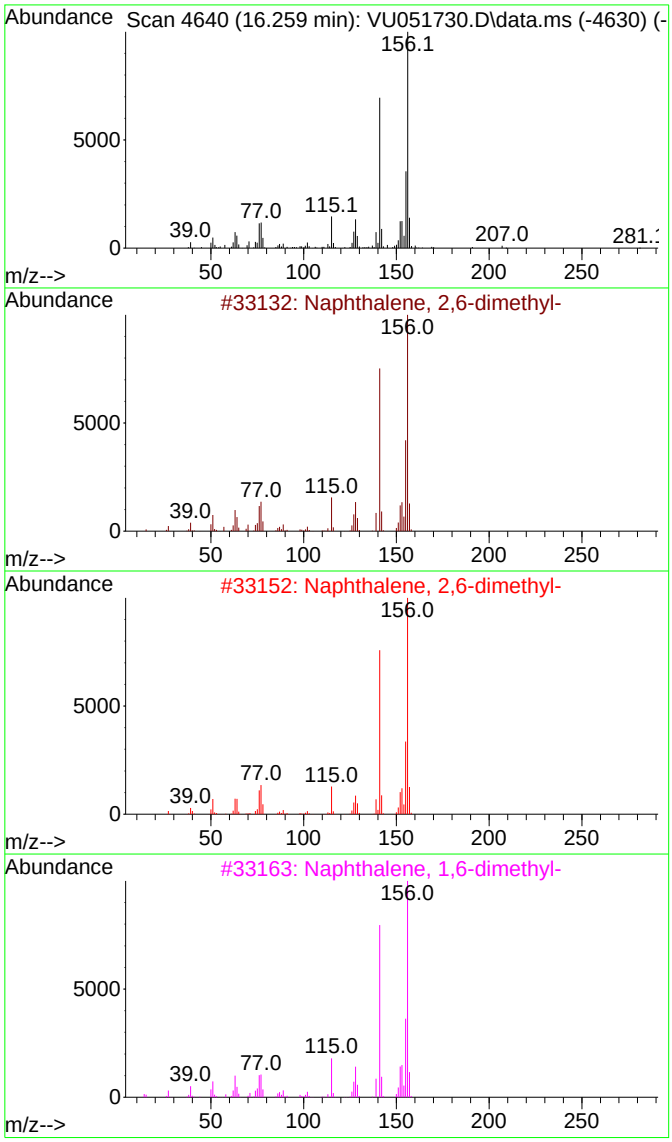
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

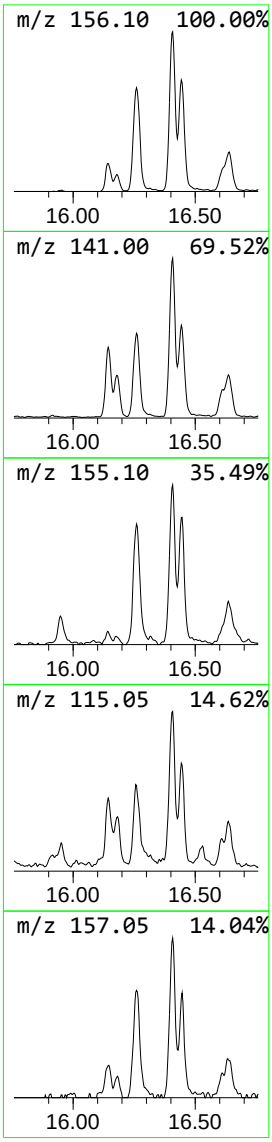
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 41 Naphthalene, 2,6-dimethyl- Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.259 | 1.23 ug/L | 215420 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 98 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 98 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 4 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 97 |
| 5 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

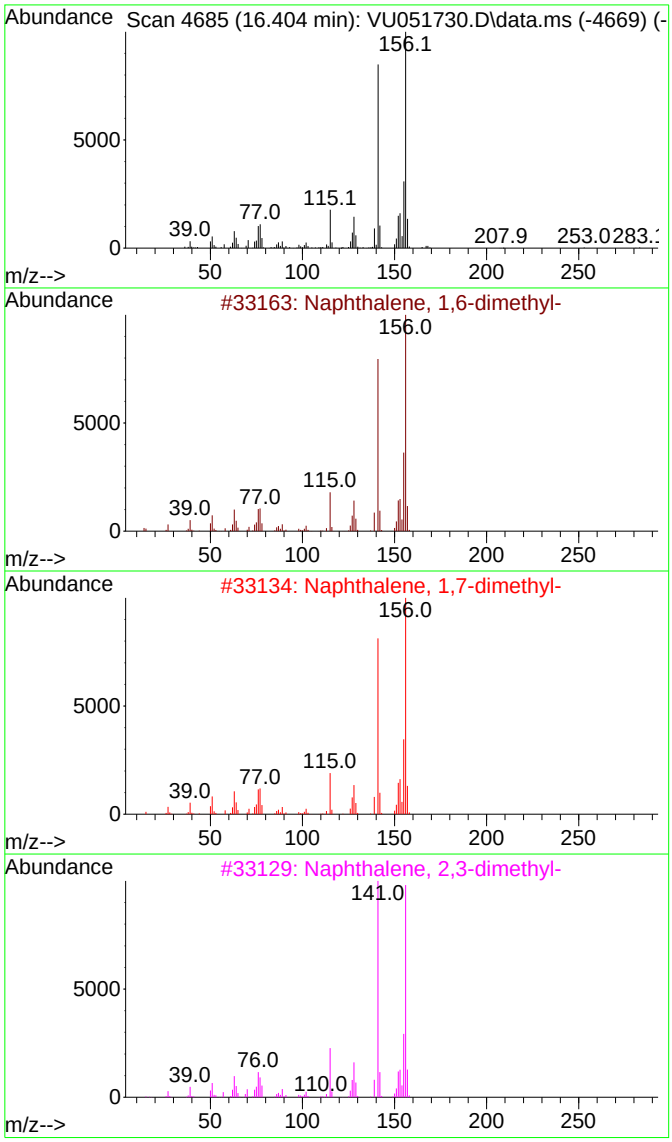
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

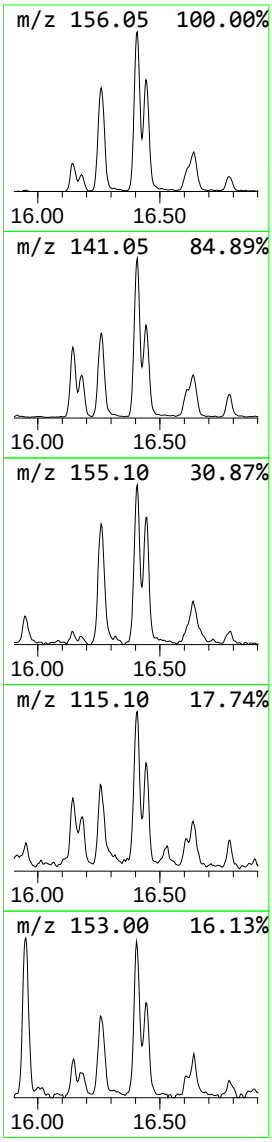
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 42 Naphthalene, 1,6-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.404 | 1.97 ug/L | 344644 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 98 |
| 2 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 98 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 4 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

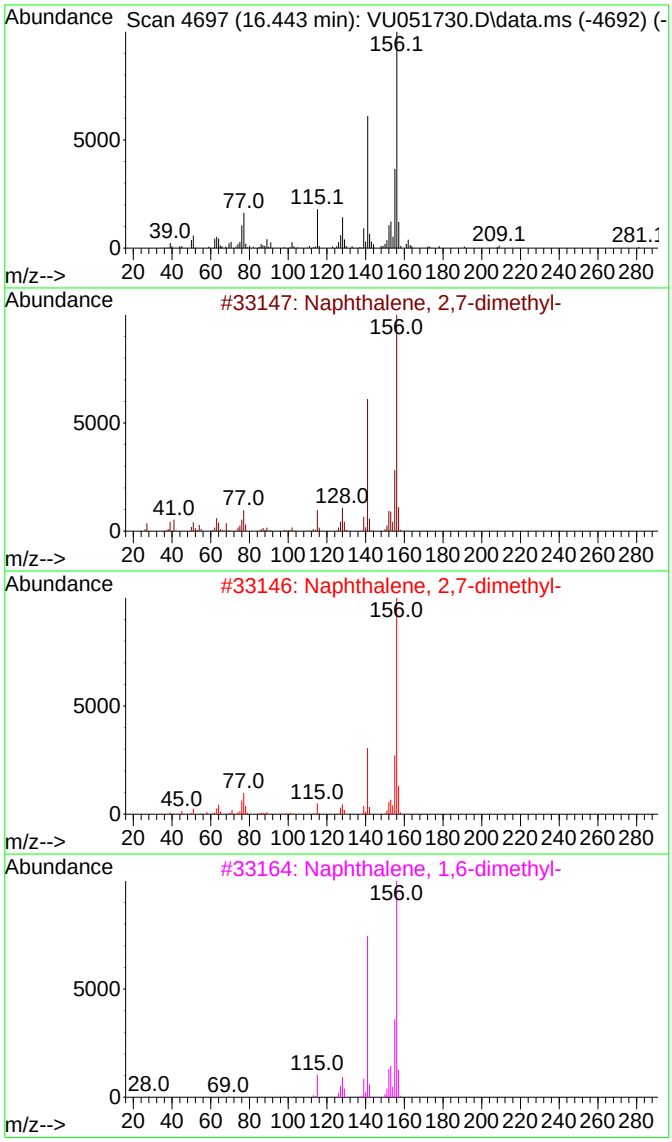
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

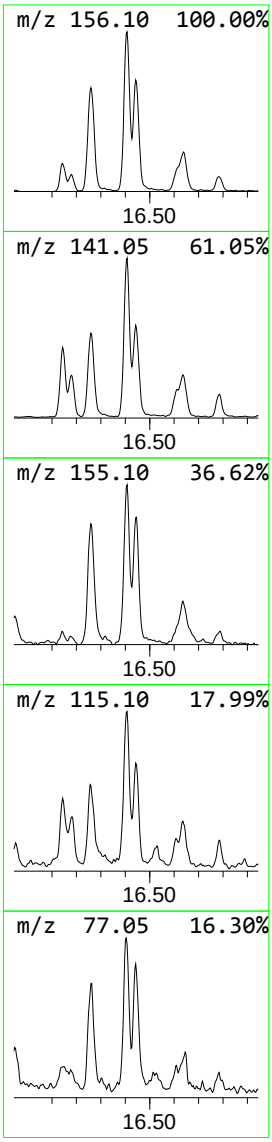
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 43 Naphthalene, 2,7-dimethyl- Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.443 | 1.22 ug/L | 213381 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 2 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 95 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
Data File : VU051730.D
Acq On : 03 Nov 2022 13:45
Operator : JC/MD
Sample : N5321-10DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWM6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.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 | 1.472 | 17.4 | ug/L | 1424620 | 1 | 6.247 | 409824 | 5.0 |
| Methanethiol | 1.787 | 3.6 | ug/L | 293059 | 1 | 6.247 | 409824 | 5.0 |
| Benzene, 1-ethy... | 10.996 | 1.5 | ug/L | 269321 | 3 | 11.809 | 875223 | 5.0 |
| Benzene, 1-ethy... | 11.289 | 1.5 | ug/L | 264172 | 3 | 11.809 | 875223 | 5.0 |
| Benzene, 1,2,3-... | 11.893 | 3.4 | ug/L | 585978 | 3 | 11.809 | 875223 | 5.0 |
| Benzene, cyclop... | 12.092 | 3.8 | ug/L | 665646 | 3 | 11.809 | 875223 | 5.0 |
| Benzene, 2-ethy... | 12.462 | 1.5 | ug/L | 258038 | 3 | 11.809 | 875223 | 5.0 |
| p-Cymene | 12.494 | 1.6 | ug/L | 274085 | 3 | 11.809 | 875223 | 5.0 |
| Benzene, 1-ethy... | 12.568 | 2.7 | ug/L | 472884 | 3 | 11.809 | 875223 | 5.0 |
| Benzene, 1-ethe... | 12.681 | 4.2 | ug/L | 731368 | 3 | 11.809 | 875223 | 5.0 |
| Benzene, 4-ethy... | 12.871 | 1.5 | ug/L | 253288 | 3 | 11.809 | 875223 | 5.0 |
| Benzene, 1,2,4,... | 12.967 | 3.4 | ug/L | 590129 | 3 | 11.809 | 875223 | 5.0 |
| Benzene, 1,2,3,... | 13.025 | 3.5 | ug/L | 604768 | 3 | 11.809 | 875223 | 5.0 |
| Benzene, (1-met... | 13.108 | 0.8 | ug/L | 143583 | 3 | 11.809 | 875223 | 5.0 |
| 1H-Indene, 2,3-... | 13.292 | 1.6 | ug/L | 282690 | 3 | 11.809 | 875223 | 5.0 |
| 2,4-Dimethylsty... | 13.449 | 11.4 | ug/L | 1997620 | 3 | 11.809 | 875223 | 5.0 |
| unknown-01 | 13.514 | 0.9 | ug/L | 156515 | 3 | 11.809 | 875223 | 5.0 |
| Naphthalene, 1,... | 13.620 | 2.6 | ug/L | 463191 | 3 | 11.809 | 875223 | 5.0 |
| (+)-2-Bornanone | 13.735 | 1.3 | ug/L | 226475 | 3 | 11.809 | 875223 | 5.0 |
| Benzene, (3-met... | 13.780 | 1.1 | ug/L | 187895 | 3 | 11.809 | 875223 | 5.0 |
| 1H-Indene, 2,3-... | 13.909 | 1.2 | ug/L | 210718 | 3 | 11.809 | 875223 | 5.0 |
| 1H-Indene, 2,3-... | 13.938 | 2.5 | ug/L | 446565 | 3 | 11.809 | 875223 | 5.0 |
| Azulene | 14.083 | 8.6 | ug/L | 1497360 | 3 | 11.809 | 875223 | 5.0 |
| 2,3-Dihydro-1H-... | 14.285 | 1.2 | ug/L | 211594 | 3 | 11.809 | 875223 | 5.0 |
| 1H-Indene, 2,3-... | 14.665 | 1.8 | ug/L | 312655 | 3 | 11.809 | 875223 | 5.0 |
| Benzene, 2-ethe... | 14.874 | 1.0 | ug/L | 175143 | 3 | 11.809 | 875223 | 5.0 |
| Naphthalene, 1,... | 15.015 | 1.2 | ug/L | 209284 | 3 | 11.809 | 875223 | 5.0 |
| Naphthalene, 2,... | 16.259 | 1.2 | ug/L | 215420 | 3 | 11.809 | 875223 | 5.0 |
| Naphthalene, 1,... | 16.404 | 2.0 | ug/L | 344644 | 3 | 11.809 | 875223 | 5.0 |
| Naphthalene, 2,... | 16.443 | 1.2 | ug/L | 213381 | 3 | 11.809 | 875223 | 5.0 |