LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

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\SFAMUTR040424WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU058757.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.354 | 14 | 20 | 34 | rVB2 | 9106 | 13498 | 2.11% | 0.317% |
| 2 | 1.589 | 84 | 93 | 104 | rVB | 23486 | 27699 | 4.33% | 0.651% |
| 3 | 1.904 | 183 | 191 | 203 | rVB | 18037 | 22502 | 3.52% | 0.529% |
| 4 | 2.557 | 383 | 394 | 410 | rVB | 40564 | 66851 | 10.46% | 1.571% |
| 5 | 4.634 | 1028 | 1040 | 1070 | rBV | 18572 | 56816 | 8.89% | 1.335% |
| 6 | 5.052 | 1156 | 1170 | 1187 | rBV | 40853 | 90634 | 14.18% | 2.130% |
| 7 | 5.717 | 1359 | 1377 | 1389 | rBV2 | 78733 | 203933 | 31.91% | 4.792% |
| 8 | 6.242 | 1528 | 1540 | 1564 | rBV | 100160 | 192504 | 30.12% | 4.524% |
| 9 | 6.682 | 1666 | 1677 | 1693 | rBV | 48740 | 94144 | 14.73% | 2.212% |
| 10 | 7.560 | 1941 | 1950 | 1970 | rBV | 21862 | 38882 | 6.08% | 0.914% |
| 11 | 7.894 | 2042 | 2054 | 2068 | rBV | 88496 | 158822 | 24.85% | 3.732% |
| 12 | 7.968 | 2069 | 2077 | 2093 | rVB2 | 5095 | 9759 | 1.53% | 0.229% |
| 13 | 8.177 | 2132 | 2142 | 2157 | rBV3 | 11431 | 20663 | 3.23% | 0.486% |
| 14 | 8.631 | 2273 | 2283 | 2315 | rBV2 | 72455 | 146327 | 22.90% | 3.438% |
| 15 | 9.412 | 2514 | 2526 | 2542 | rBV | 140573 | 234574 | 36.70% | 5.512% |
| 16 | 9.495 | 2542 | 2552 | 2565 | rVV | 143035 | 222648 | 34.84% | 5.232% |
| 17 | 9.566 | 2565 | 2574 | 2587 | rVB | 17563 | 27964 | 4.38% | 0.657% |
| 18 | 9.692 | 2599 | 2613 | 2632 | rBB2 | 19699 | 33318 | 5.21% | 0.783% |
| 19 | 10.097 | 2730 | 2739 | 2756 | rVB2 | 13805 | 22640 | 3.54% | 0.532% |
| 20 | 10.479 | 2847 | 2858 | 2875 | rBV | 75613 | 119582 | 18.71% | 2.810% |
| 21 | 10.749 | 2931 | 2942 | 2958 | rBB | 30442 | 48659 | 7.61% | 1.143% |
| 22 | 10.901 | 2979 | 2989 | 3002 | rBV | 9402 | 14517 | 2.27% | 0.341% |
| 23 | 11.020 | 3012 | 3026 | 3037 | rBV2 | 6558 | 11630 | 1.82% | 0.273% |
| 24 | 11.290 | 3101 | 3110 | 3115 | rBV | 5374 | 7636 | 1.19% | 0.179% |
| 25 | 11.463 | 3155 | 3164 | 3175 | rVB | 7402 | 11456 | 1.79% | 0.269% |
| 26 | 11.637 | 3210 | 3218 | 3227 | rVB | 14489 | 20909 | 3.27% | 0.491% |
| 27 | 11.807 | 3258 | 3271 | 3286 | rBV | 144016 | 236174 | 36.95% | 5.550% |
| 28 | 11.888 | 3289 | 3296 | 3307 | rVB2 | 5353 | 7377 | 1.15% | 0.173% |
| 29 | 12.087 | 3347 | 3358 | 3373 | rBV | 96367 | 151758 | 23.75% | 3.566% |
| 30 | 12.187 | 3378 | 3389 | 3404 | rBV | 96709 | 157869 | 24.70% | 3.710% |
| 31 | 12.299 | 3414 | 3424 | 3437 | rBV4 | 24831 | 43785 | 6.85% | 1.029% |
| 32 | 12.373 | 3439 | 3447 | 3461 | rVB2 | 6683 | 10319 | 1.61% | 0.242% |
| 33 | 12.675 | 3527 | 3541 | 3559 | rBV | 43259 | 69384 | 10.86% | 1.630% |
| 34 | 12.923 | 3609 | 3618 | 3624 | rBV2 | 10669 | 17548 | 2.75% | 0.412% |
| 35 | 12.968 | 3624 | 3632 | 3639 | rVV | 16882 | 28213 | 4.41% | 0.663% |
| 36 | 13.019 | 3639 | 3648 | 3664 | rVV4 | 22808 | 55386 | 8.67% | 1.301% |

LSC Area Percent Report

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Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

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\SFAMUTR040424WMA.M
Title : TRACE VOA SFAM1.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.103 | 3668 | 3674 | 3690 | rVB6 | 8252 | 16969 | 2.66% | 0.399% |
| 38 | 13.248 | 3711 | 3719 | 3725 | rVV4 | 6035 | 8594 | 1.34% | 0.202% |
| 39 | 13.290 | 3725 | 3732 | 3738 | rVV2 | 11865 | 18647 | 2.92% | 0.438% |
| 40 | 13.318 | 3738 | 3741 | 3755 | rVB2 | 5306 | 7878 | 1.23% | 0.185% |
| 41 | 13.447 | 3771 | 3781 | 3793 | rVB3 | 20734 | 33827 | 5.29% | 0.795% |
| 42 | 13.515 | 3793 | 3802 | 3813 | rBV4 | 11990 | 18354 | 2.87% | 0.431% |
| 43 | 13.621 | 3822 | 3835 | 3848 | rVB3 | 24444 | 41734 | 6.53% | 0.981% |
| 44 | 13.781 | 3874 | 3885 | 3892 | rBV4 | 15951 | 25751 | 4.03% | 0.605% |
| 45 | 13.830 | 3892 | 3900 | 3911 | rVV6 | 6632 | 11410 | 1.79% | 0.268% |
| 46 | 13.904 | 3916 | 3923 | 3928 | rVV2 | 8421 | 12972 | 2.03% | 0.305% |
| 47 | 13.952 | 3928 | 3938 | 3951 | rVB7 | 19781 | 39205 | 6.13% | 0.921% |
| 48 | 14.080 | 3958 | 3978 | 3998 | rBV | 370237 | 639098 | 100.00% | 15.018% |
| 49 | 14.199 | 3998 | 4015 | 4022 | rVV3 | 26523 | 59282 | 9.28% | 1.393% |
| 50 | 14.238 | 4022 | 4027 | 4034 | rVV5 | 16131 | 27555 | 4.31% | 0.648% |
| 51 | 14.280 | 4035 | 4040 | 4050 | rVV5 | 12672 | 19491 | 3.05% | 0.458% |
| 52 | 14.335 | 4050 | 4057 | 4066 | rVB8 | 5979 | 8753 | 1.37% | 0.206% |
| 53 | 14.669 | 4151 | 4161 | 4170 | rBV8 | 7143 | 16026 | 2.51% | 0.377% |
| 54 | 14.801 | 4190 | 4202 | 4211 | rBV2 | 22026 | 34866 | 5.46% | 0.819% |
| 55 | 14.875 | 4211 | 4225 | 4237 | rVB5 | 10958 | 24894 | 3.90% | 0.585% |
| 56 | 15.016 | 4258 | 4269 | 4278 | rBV5 | 4155 | 6916 | 1.08% | 0.163% |
| 57 | 15.135 | 4293 | 4306 | 4307 | rBV3 | 8557 | 10193 | 1.59% | 0.240% |
| 58 | 15.164 | 4308 | 4315 | 4326 | rVB | 16829 | 28630 | 4.48% | 0.673% |
| 59 | 15.254 | 4338 | 4343 | 4354 | rVB8 | 8480 | 14023 | 2.19% | 0.330% |
| 60 | 15.405 | 4378 | 4390 | 4416 | rBV7 | 44463 | 104833 | 16.40% | 2.463% |
| 61 | 15.904 | 4537 | 4545 | 4557 | rBV7 | 3695 | 7055 | 1.10% | 0.166% |
| 62 | 16.006 | 4569 | 4577 | 4588 | rVB5 | 5191 | 6922 | 1.08% | 0.163% |
| 63 | 16.177 | 4622 | 4630 | 4643 | rVB3 | 14818 | 22085 | 3.46% | 0.519% |
| 64 | 16.605 | 4754 | 4763 | 4769 | rBV2 | 13241 | 21637 | 3.39% | 0.508% |
| 65 | 16.640 | 4769 | 4774 | 4788 | rVB2 | 10345 | 15214 | 2.38% | 0.358% |
| 66 | 17.090 | 4902 | 4914 | 4936 | rBV | 144445 | 246648 | 38.59% | 5.796% |
| 67 | 17.270 | 4960 | 4970 | 4979 | rVB3 | 6270 | 9710 | 1.52% | 0.228% |

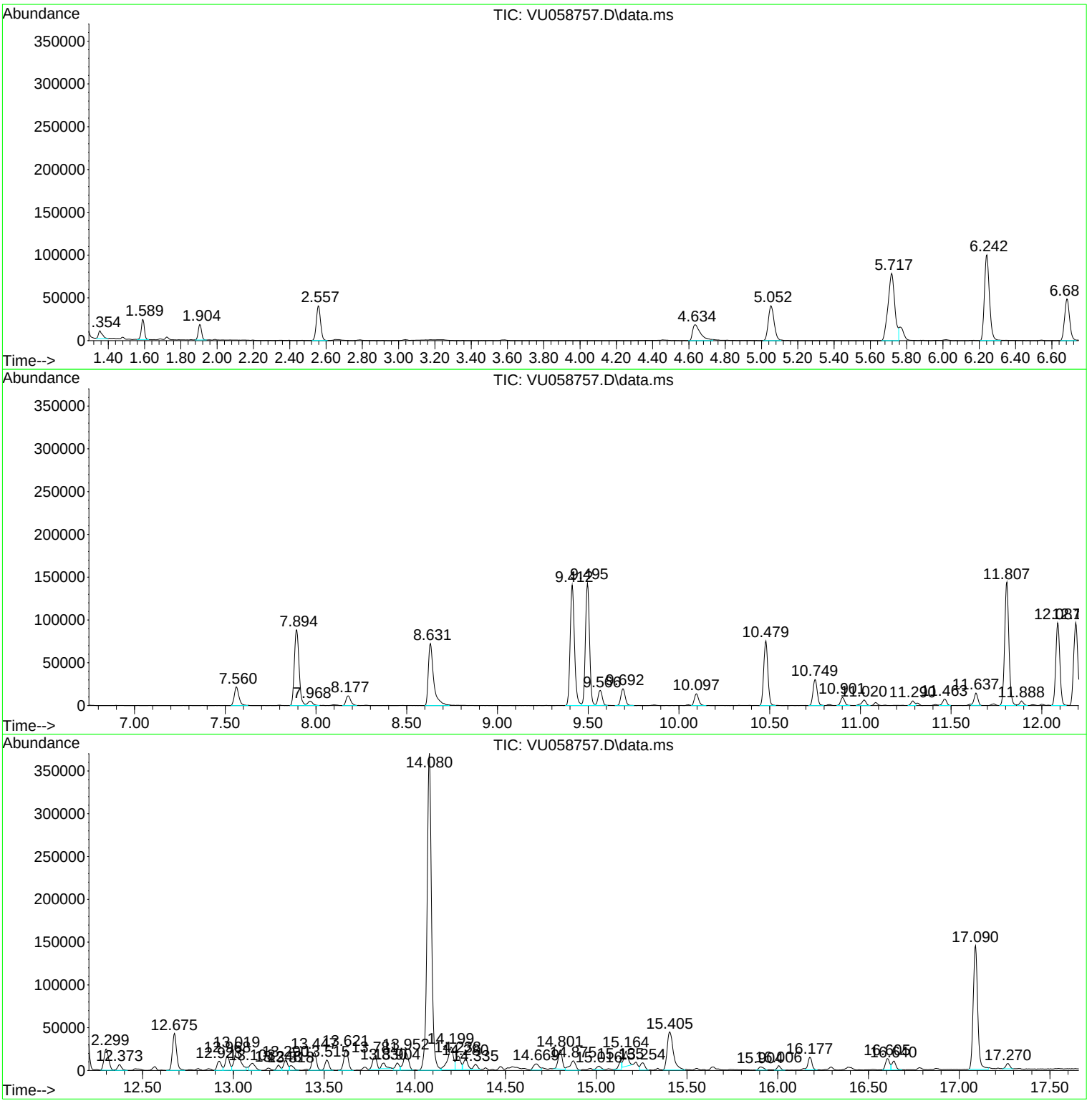
Sum of corrected areas: 4255552

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.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\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

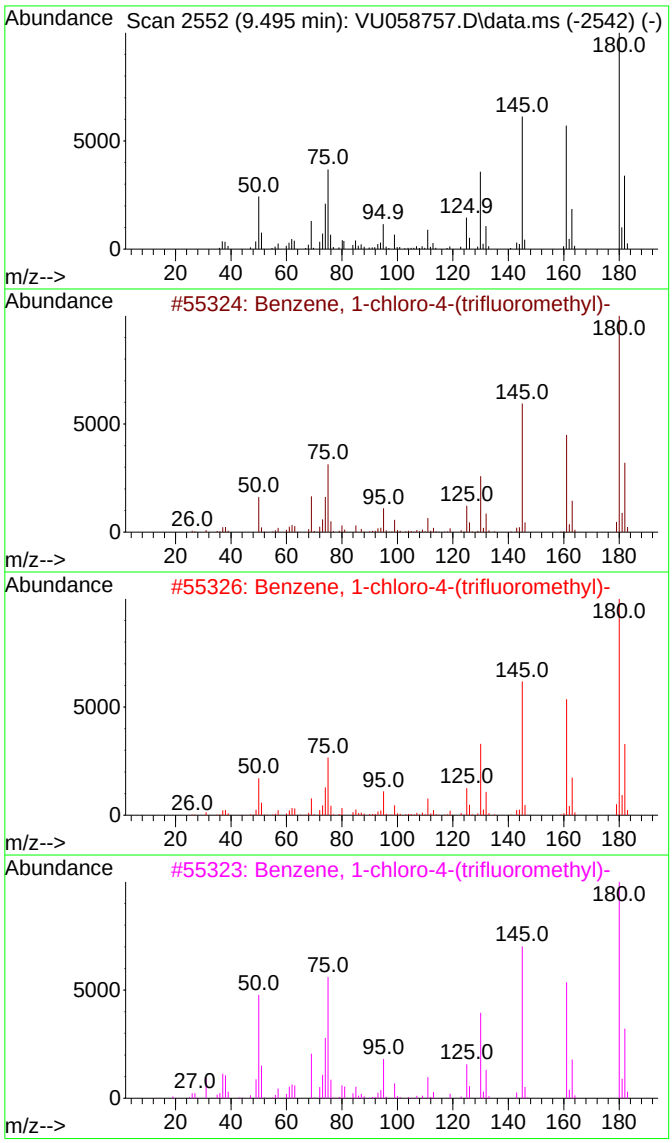
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

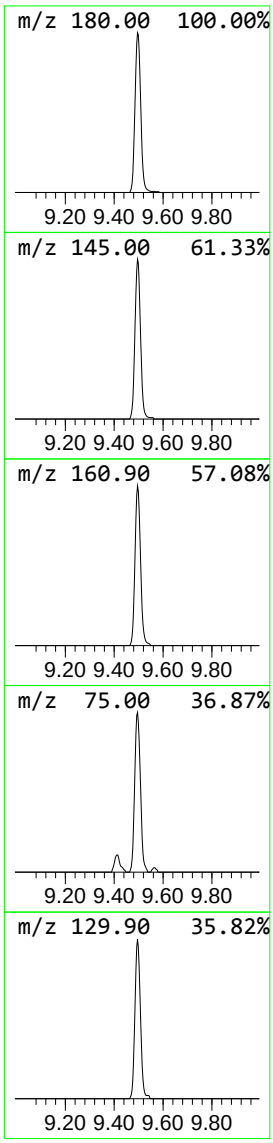
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Benzene, 1-chloro-4-(triflu... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.495 | 4.75 ug/L | 222648 | Chlorobenzene-d5 | 9.412 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-4-(trifluorome... | 180 | C7H4ClF3 | 000098-56-6 | 98 |
| 2 | Benzene, 1-chloro-4-(trifluorome... | 180 | C7H4ClF3 | 000098-56-6 | 98 |
| 3 | Benzene, 1-chloro-4-(trifluorome... | 180 | C7H4ClF3 | 000098-56-6 | 95 |
| 4 | Benzene, 1-chloro-4-(trifluorome... | 180 | C7H4ClF3 | 000098-56-6 | 93 |
| 5 | Benzene, 1-chloro-3-(trifluorome... | 180 | C7H4ClF3 | 000098-15-7 | 93 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

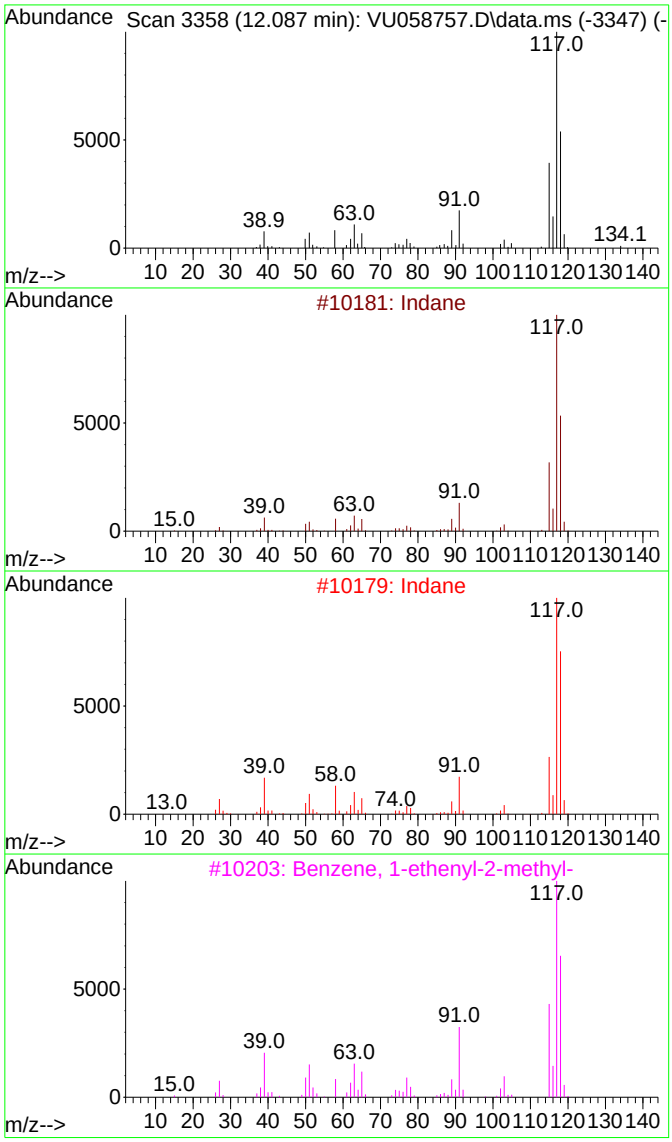
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

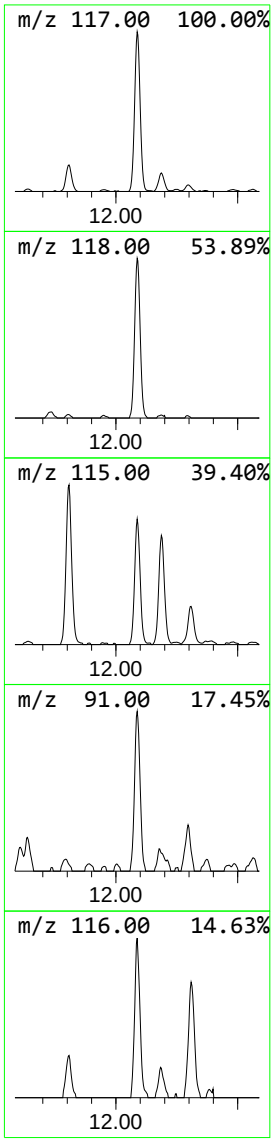
**********

Peak Number 3 Indane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.087 | 3.21 ug/L | 151758 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 93 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 76 |
| 3 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 70 |
| 4 | Indane | 118 | C9H10 | 000496-11-7 | 70 |
| 5 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 68 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

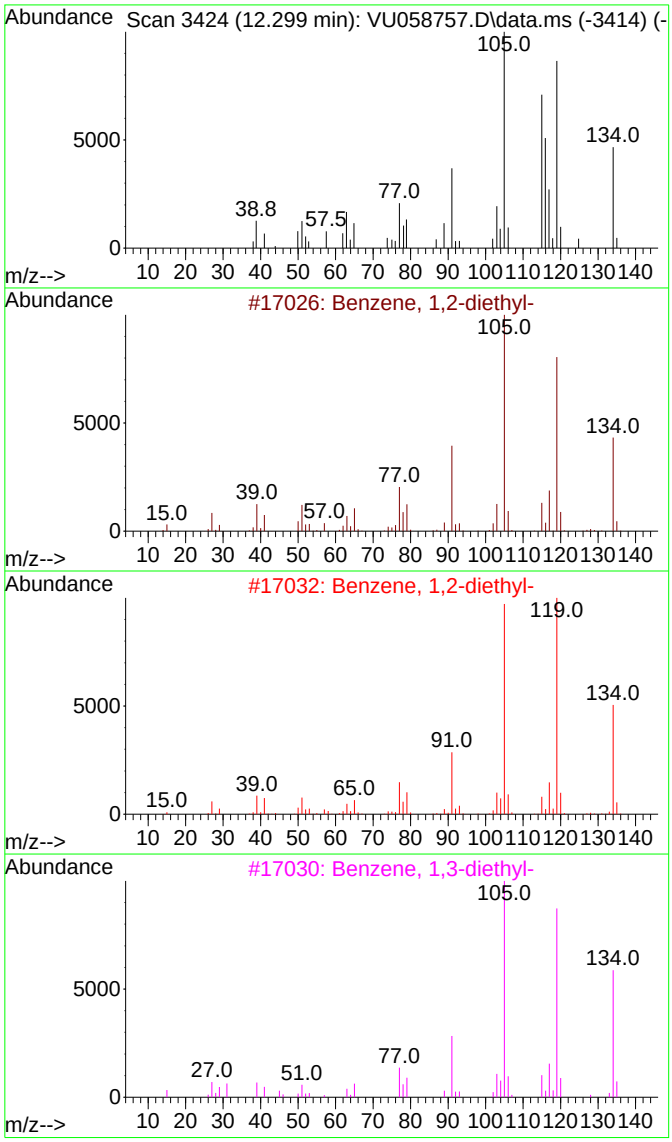
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

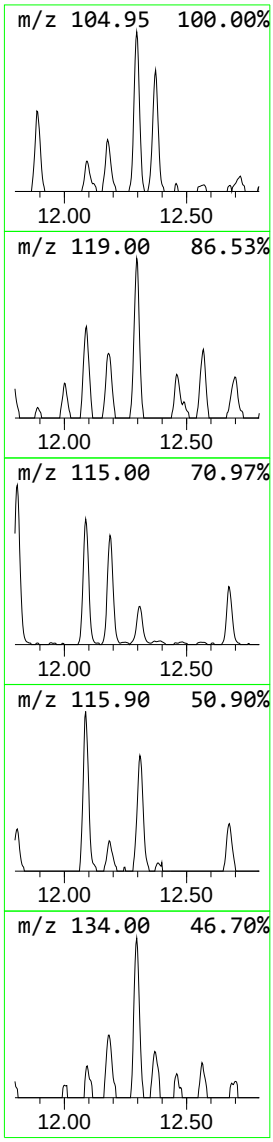
**********

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.299 | 0.93 ug/L | 43785 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 64 |
| 2 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 60 |
| 3 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 58 |
| 4 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 53 |
| 5 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

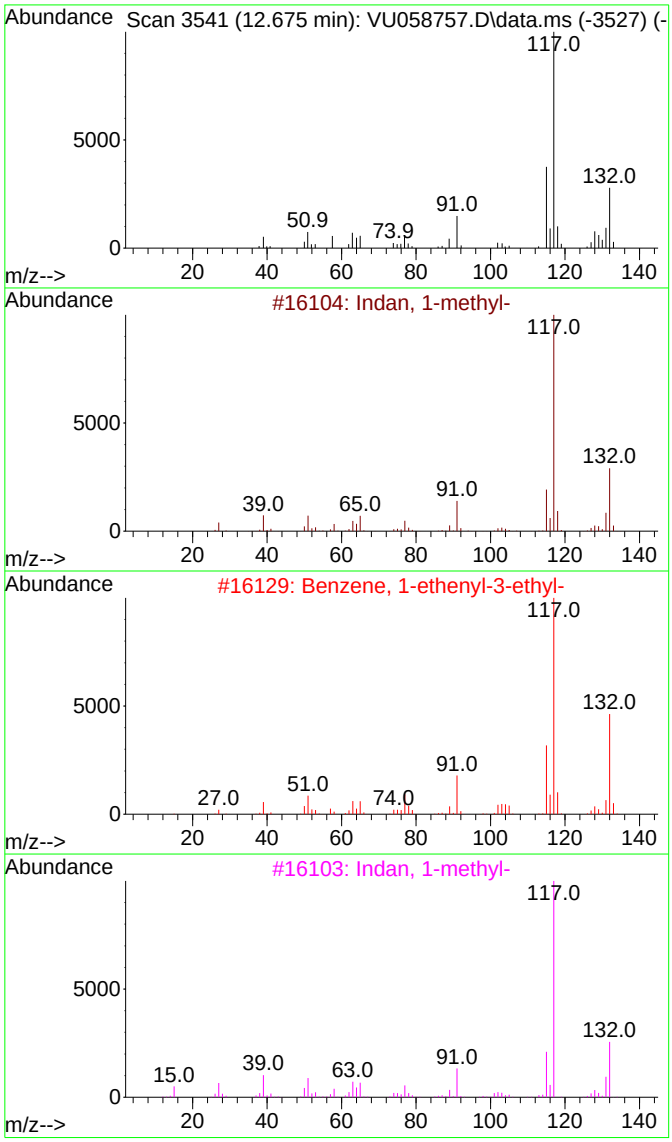
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

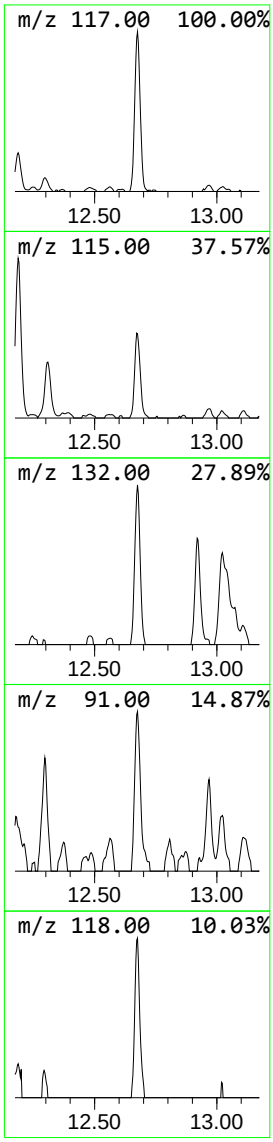
**********

Peak Number 5 Indan, 1-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.675 | 1.47 ug/L | 69384 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |
| 3 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 4 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 83 |
| 5 | Cyclopropane, 1-methyl-1-phenyl- | 132 | C10H12 | 002214-14-4 | 74 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

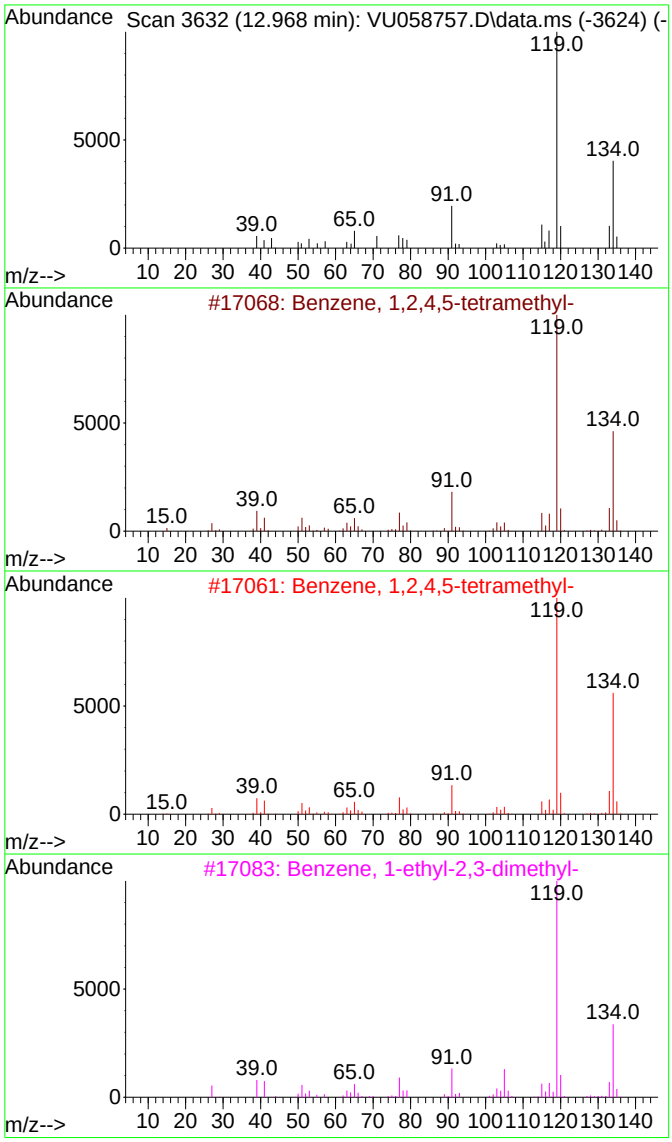
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

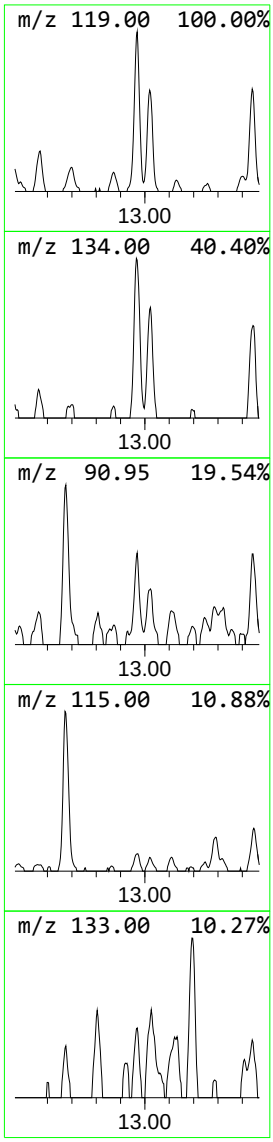
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.968 | 0.60 ug/L | 28213 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 91 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 91 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 4 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 91 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

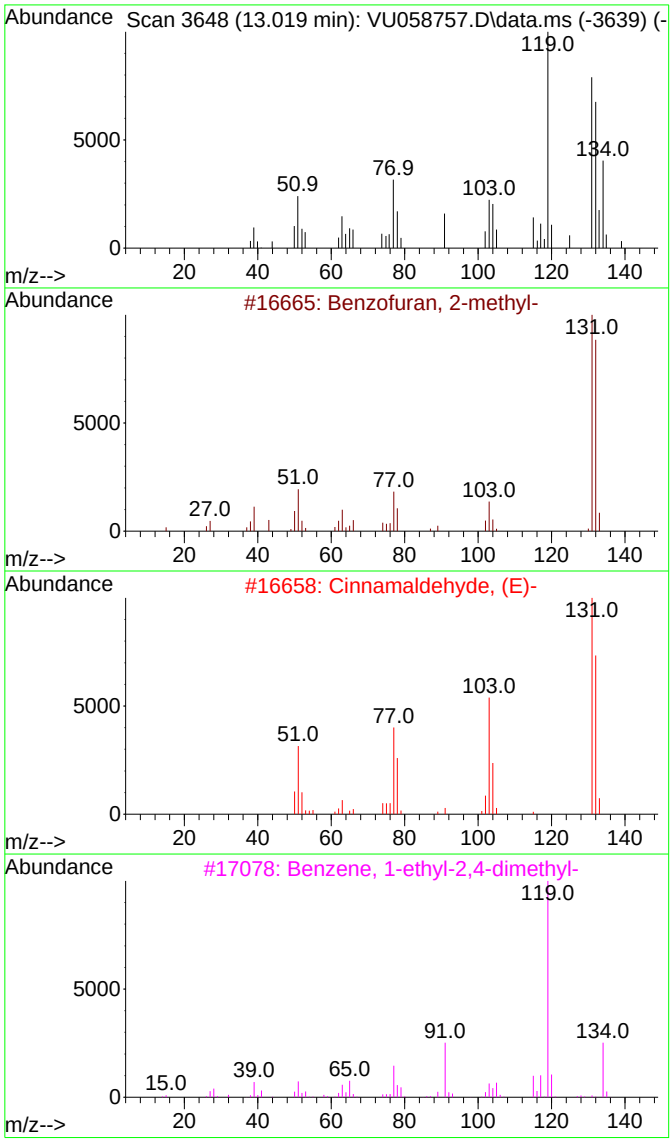
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

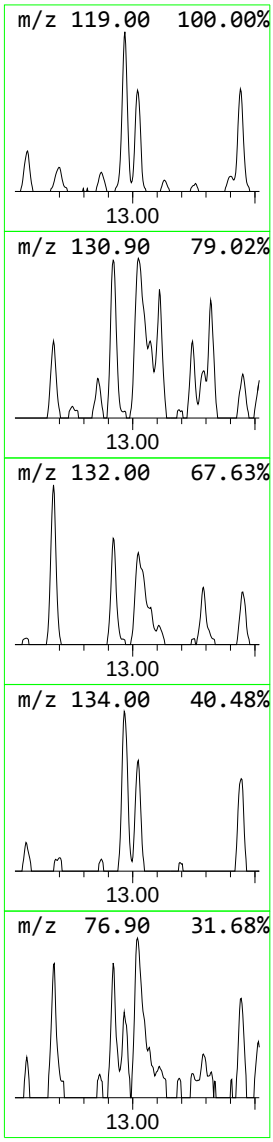
**********

Peak Number 7 Benzofuran, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.019 | 1.17 ug/L | 55386 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 86 |
| 2 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 64 |
| 3 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 50 |
| 4 | 2-Propenal, 3-phenyl- | 132 | C9H8O | 000104-55-2 | 50 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 49 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

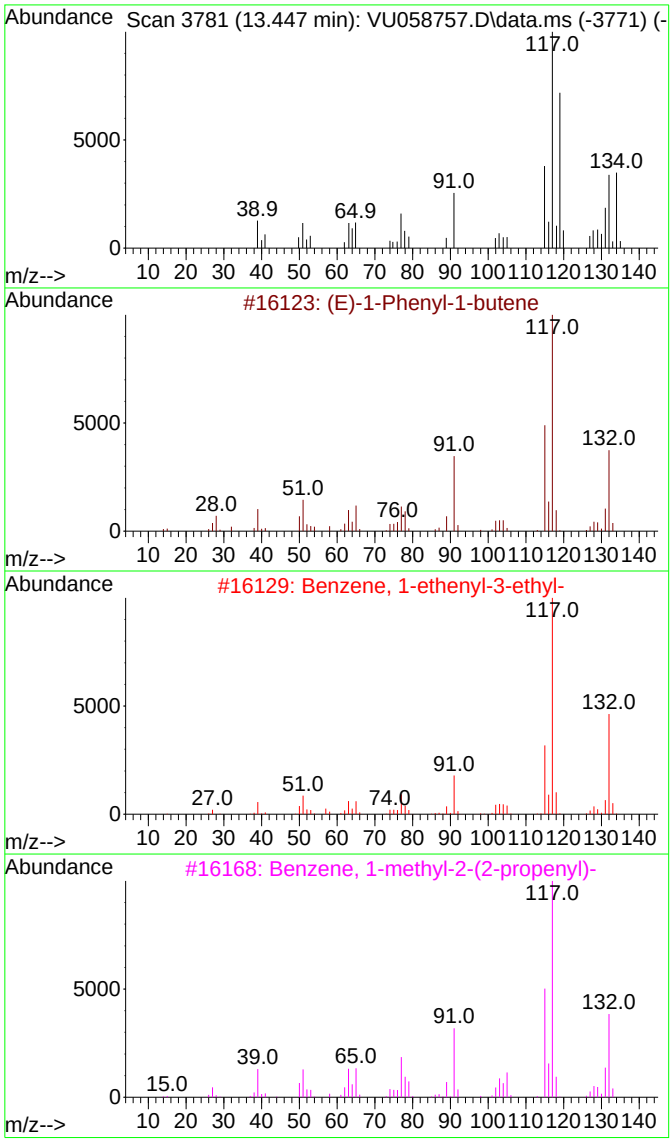
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

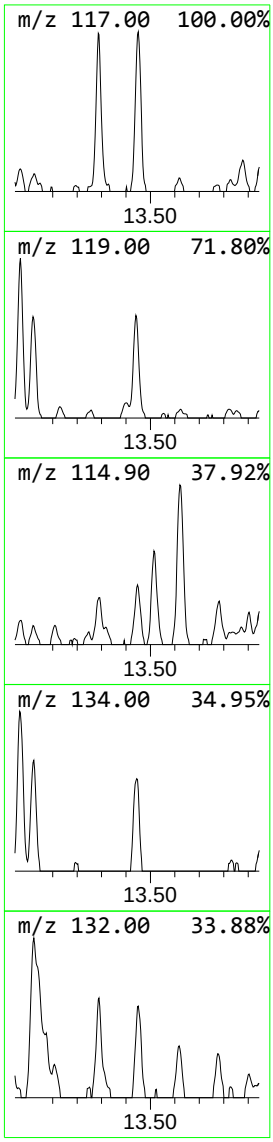
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 (E)-1-Phenyl-1-butene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.447 | 0.72 ug/L | 33827 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-1-Phenyl-1-butene | 132 | C10H12 | 001005-64-7 | 93 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 83 |
| 3 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 83 |
| 4 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000767-99-7 | 70 |
| 5 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

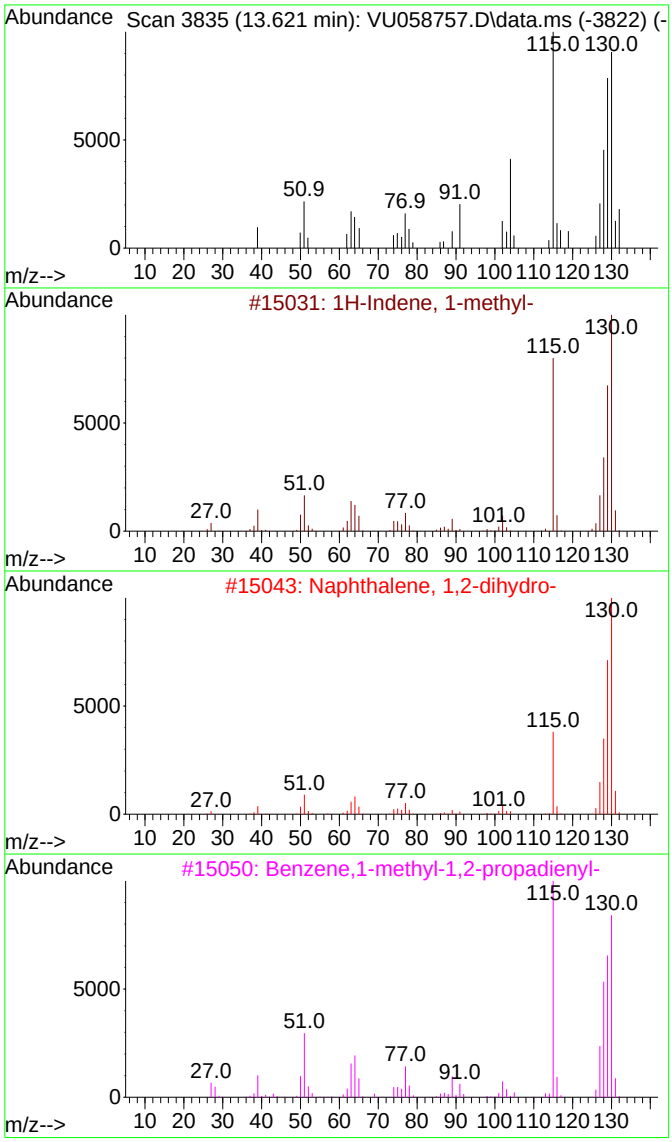
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

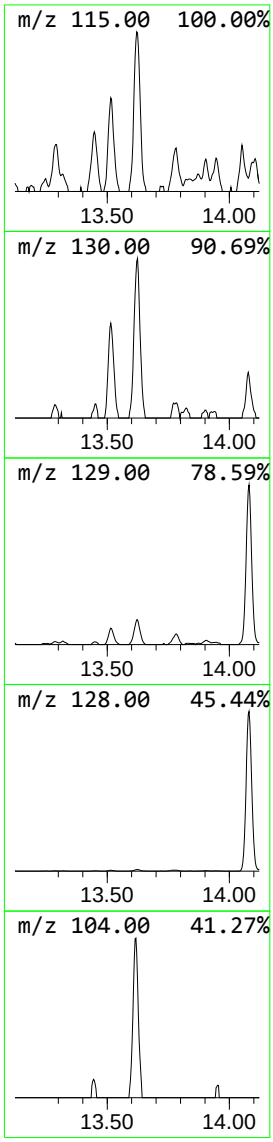
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 1H-Indene, 1-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.621 | 0.88 ug/L | 41734 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 96 |
| 2 | Naphthalene, 1,2-dihydro- | 130 | C10H10 | 000447-53-0 | 95 |
| 3 | Benzene,1-methyl-1,2-propadienyl- | 130 | C10H10 | 022433-39-2 | 94 |
| 4 | Benzene, 1-butynyl- | 130 | C10H10 | 000622-76-4 | 94 |
| 5 | 1H-Indene, 3-methyl- | 130 | C10H10 | 000767-60-2 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

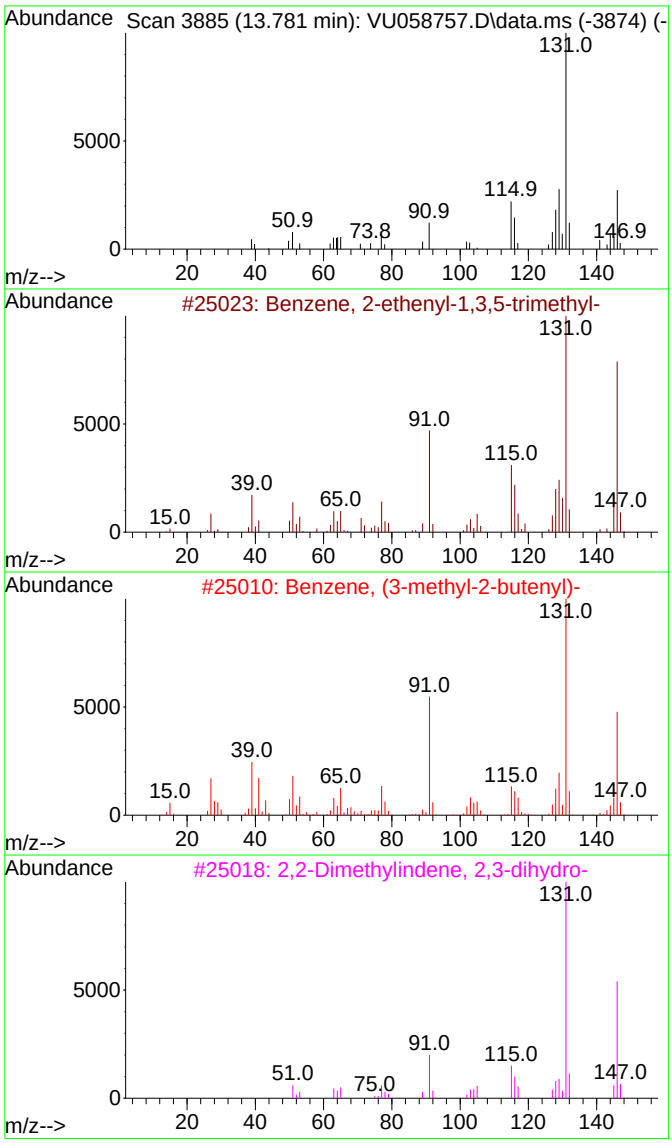
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

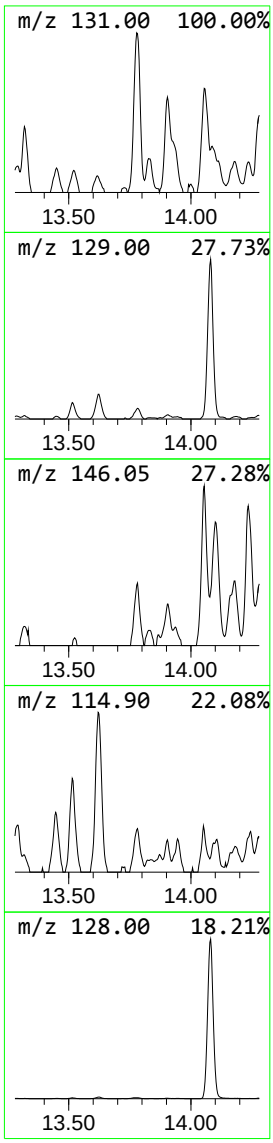
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.781 | 0.55 ug/L | 25751 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 90 |
| 2 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 87 |
| 3 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 87 |
| 4 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 87 |
| 5 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 86 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

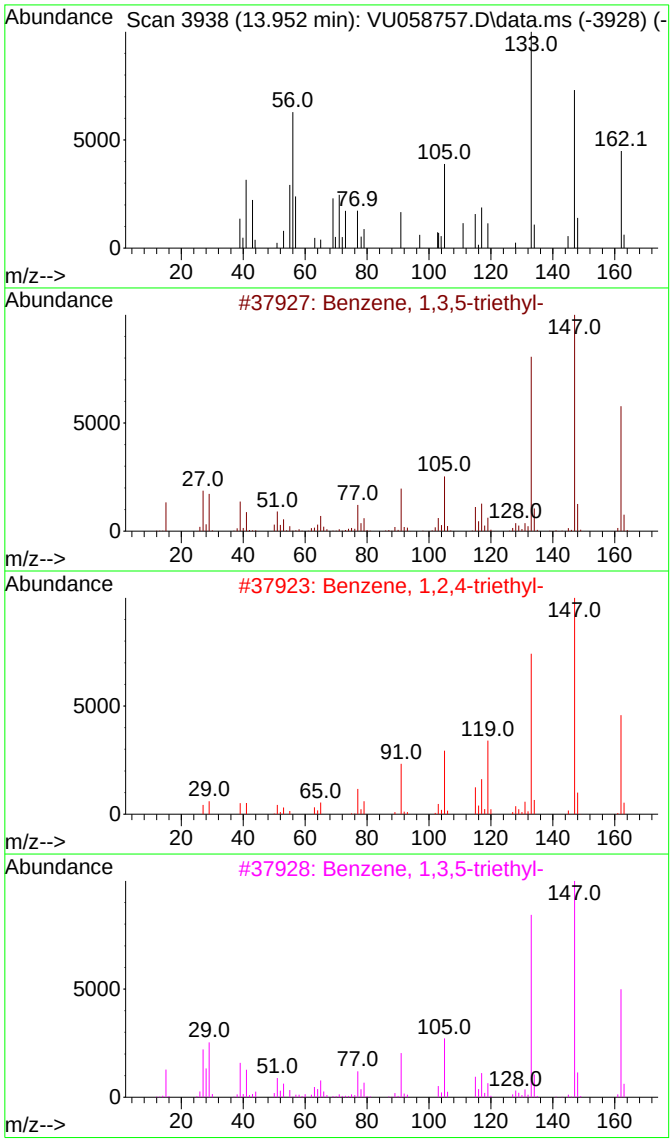
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

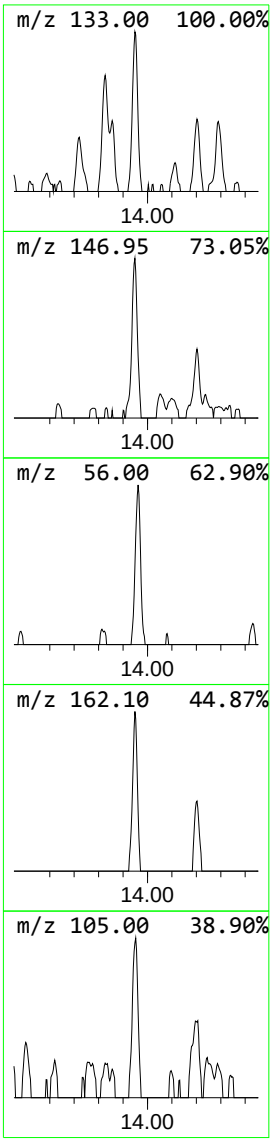
**********

Peak Number 11 unknown-01 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.952 | 0.83 ug/L | 39205 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3,5-triethyl- | 162 | C12H18 | 000102-25-0 | 49 |
| 2 | Benzene, 1,2,4-triethyl- | 162 | C12H18 | 000877-44-1 | 49 |
| 3 | Benzene, 1,3,5-triethyl- | 162 | C12H18 | 000102-25-0 | 49 |
| 4 | Benzene, 1,2,4-triethyl- | 162 | C12H18 | 000877-44-1 | 47 |
| 5 | Benzene, 2,4-dimethyl-1-(1-methy... | 162 | C12H18 | 001483-60-9 | 46 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

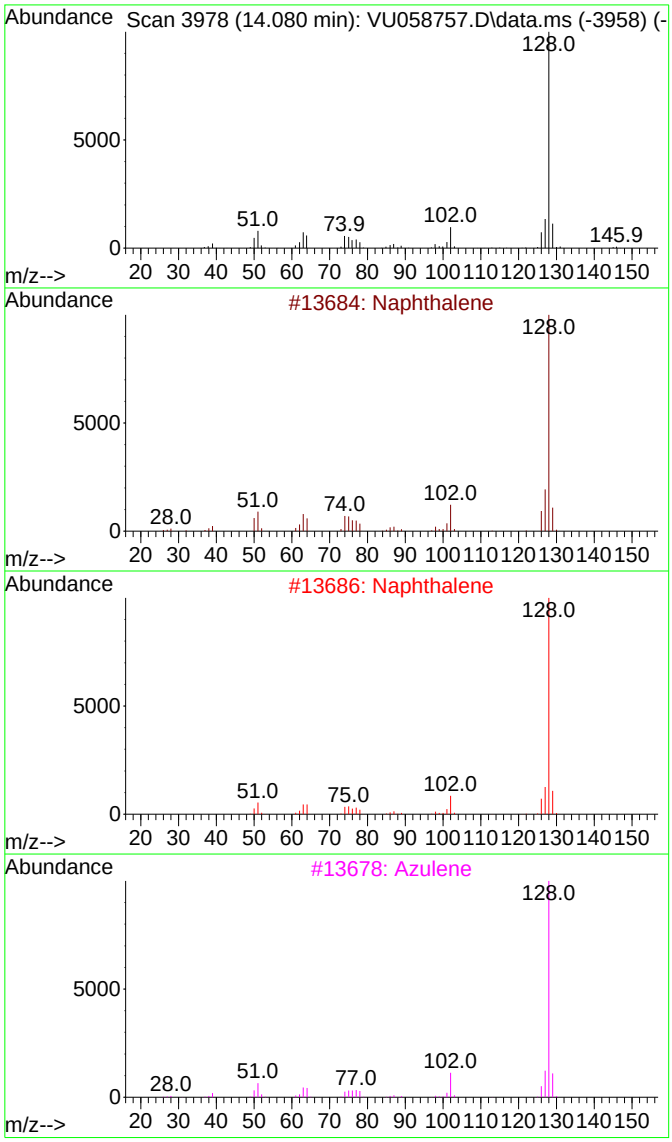
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

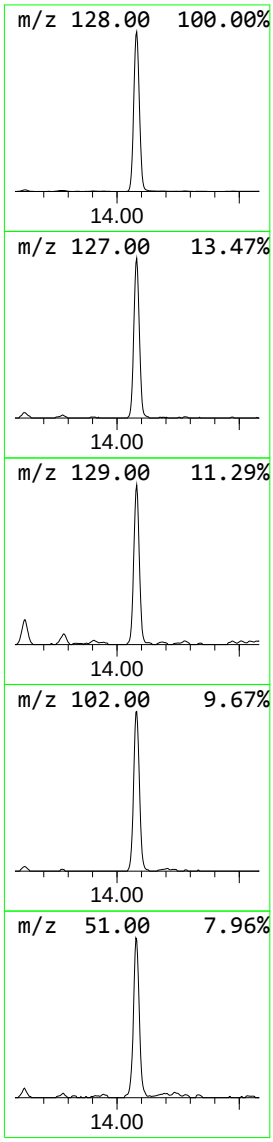
**********

Peak Number 12 Azulene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.081 | 13.53 ug/L | 639098 | 1,4-Dichlorobenzene-d4 | 11.807 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

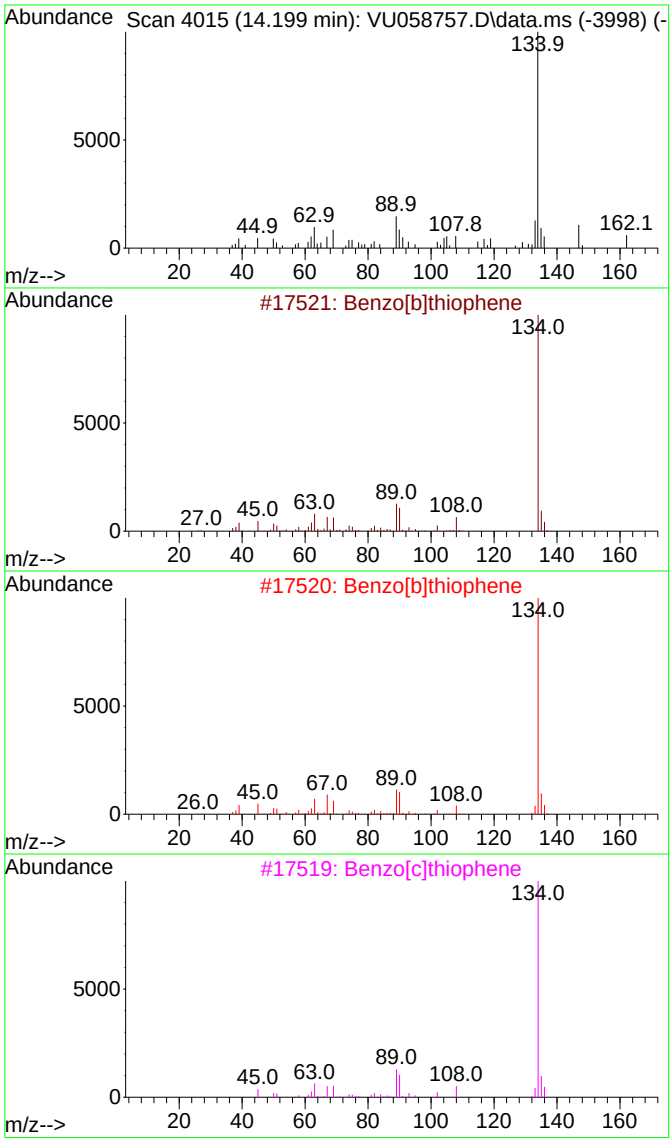
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

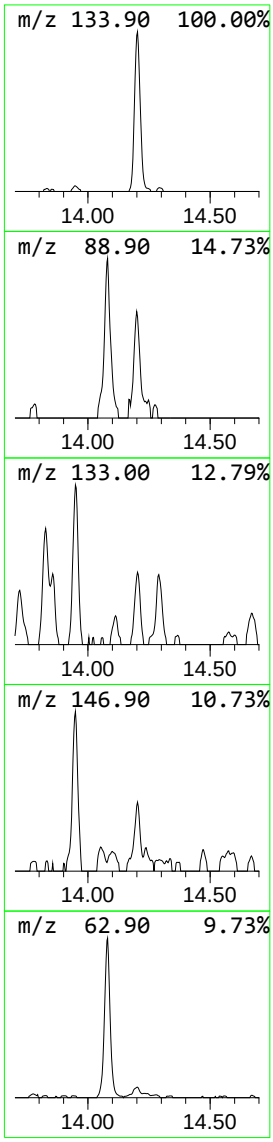
**********

Peak Number 13 Benzo[b]thiophene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.200 | 1.26 ug/L | 59282 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 94 |
| 2 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 81 |
| 3 | Benzo[c]thiophene | 134 | C8H6S | 000270-82-6 | 81 |
| 4 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 74 |
| 5 | Cyclopenta[c]thiapyran | 134 | C8H6S | 000270-63-3 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

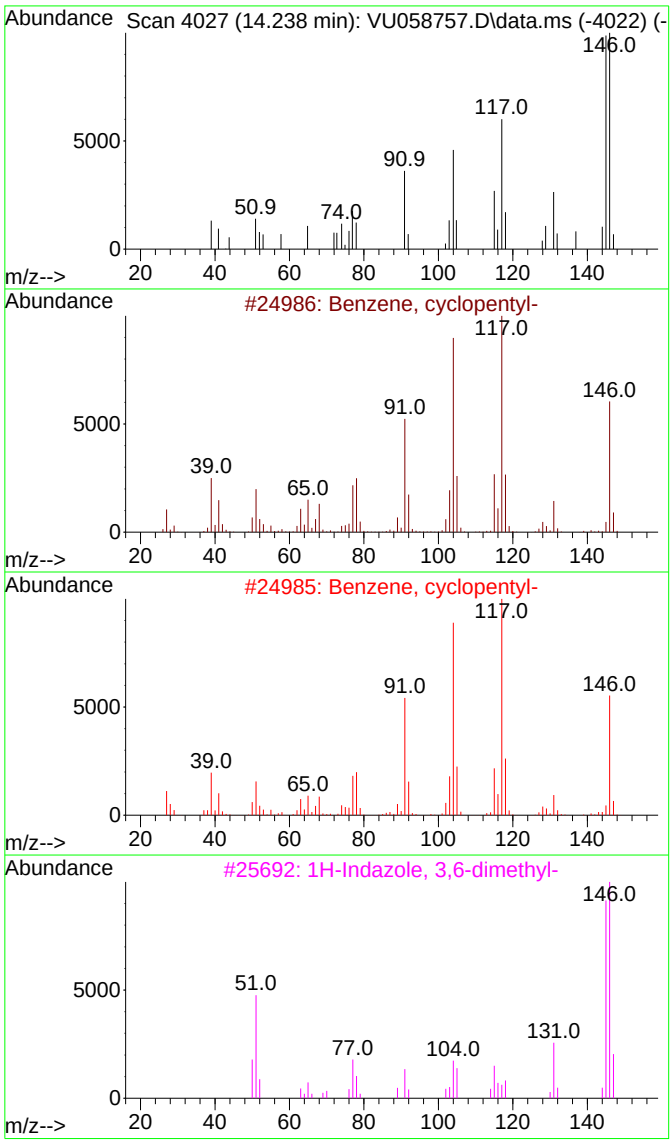
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

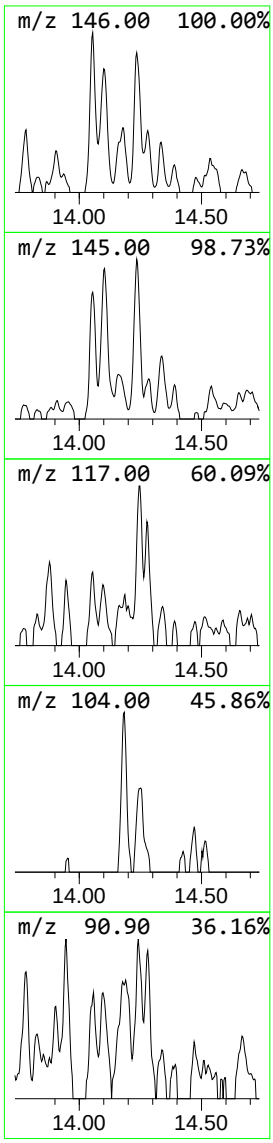
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Benzene, cyclopentyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.238 | 0.58 ug/L | 27555 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, cyclopentyl- | 146 | C11H14 | 000700-88-9 | 64 |
| 2 | Benzene, cyclopentyl- | 146 | C11H14 | 000700-88-9 | 60 |
| 3 | 1H-Indazole, 3,6-dimethyl- | 146 | C9H10N2 | 007746-28-3 | 53 |
| 4 | 1H-1,3-Benzodiazole-5-carbaldehyde | 146 | C8H6N2O | 058442-17-4 | 50 |
| 5 | 1H-Indole-5-methanamine | 146 | C9H10N2 | 1000362-58-9 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

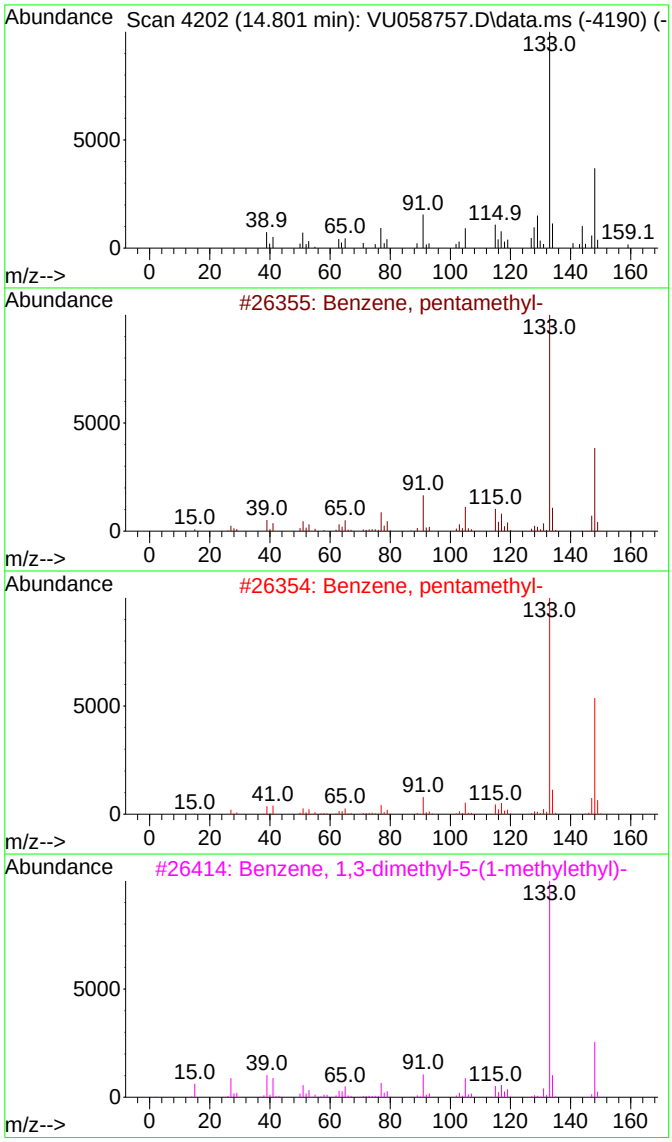
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

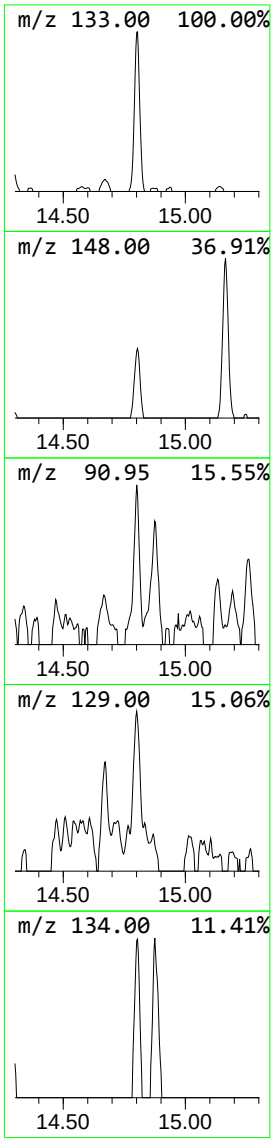
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, pentamethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.801 | 0.74 ug/L | 34866 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 89 |
| 2 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 76 |
| 3 | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16 | 004706-90-5 | 70 |
| 4 | 3,4-Dimethylcumene | 148 | C11H16 | 1000370-34-1 | 70 |
| 5 | 2-tert-Butyltoluene | 148 | C11H16 | 001074-92-6 | 62 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

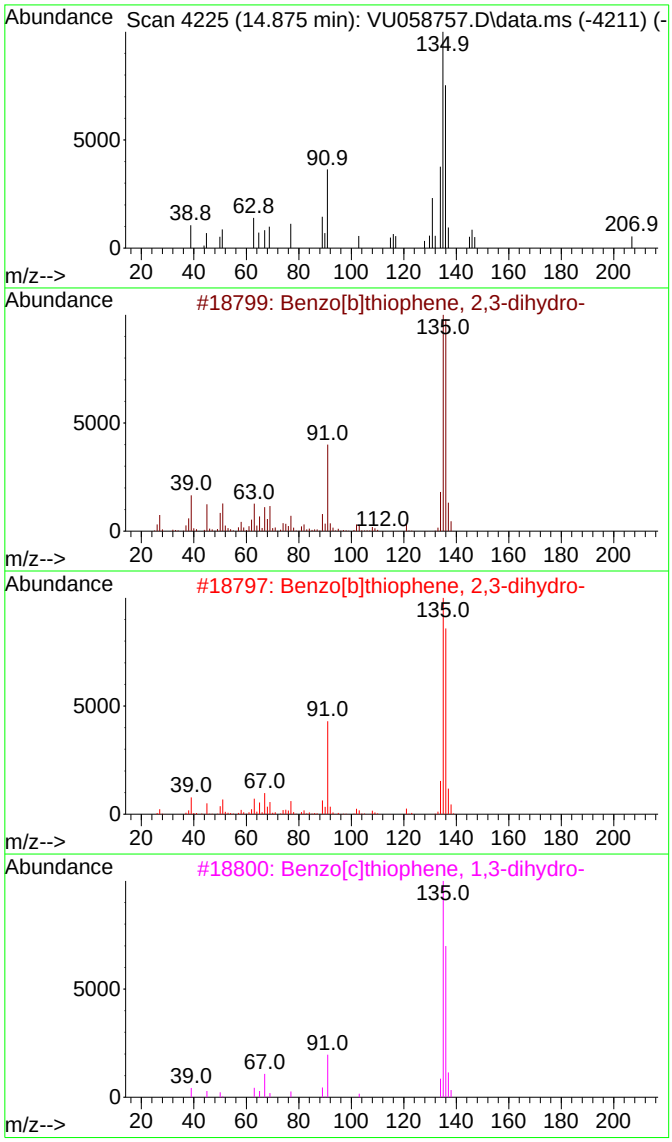
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

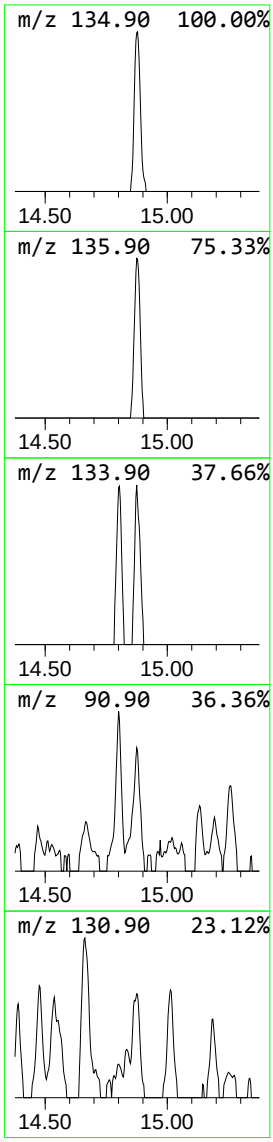
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.875 | 0.53 ug/L | 24894 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene, 2,3-dihydro- | 136 | C8H8S | 004565-32-6 | 64 |
| 2 | Benzo[b]thiophene, 2,3-dihydro- | 136 | C8H8S | 004565-32-6 | 59 |
| 3 | Benzo[c]thiophene, 1,3-dihydro- | 136 | C8H8S | 002471-92-3 | 59 |
| 4 | 4-Hydroxy-2-methylbenzaldehyde | 136 | C8H8O2 | 041438-18-0 | 58 |
| 5 | N-Methyl-4-pyridinecarboxamide | 136 | C7H8N2O | 006843-37-4 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

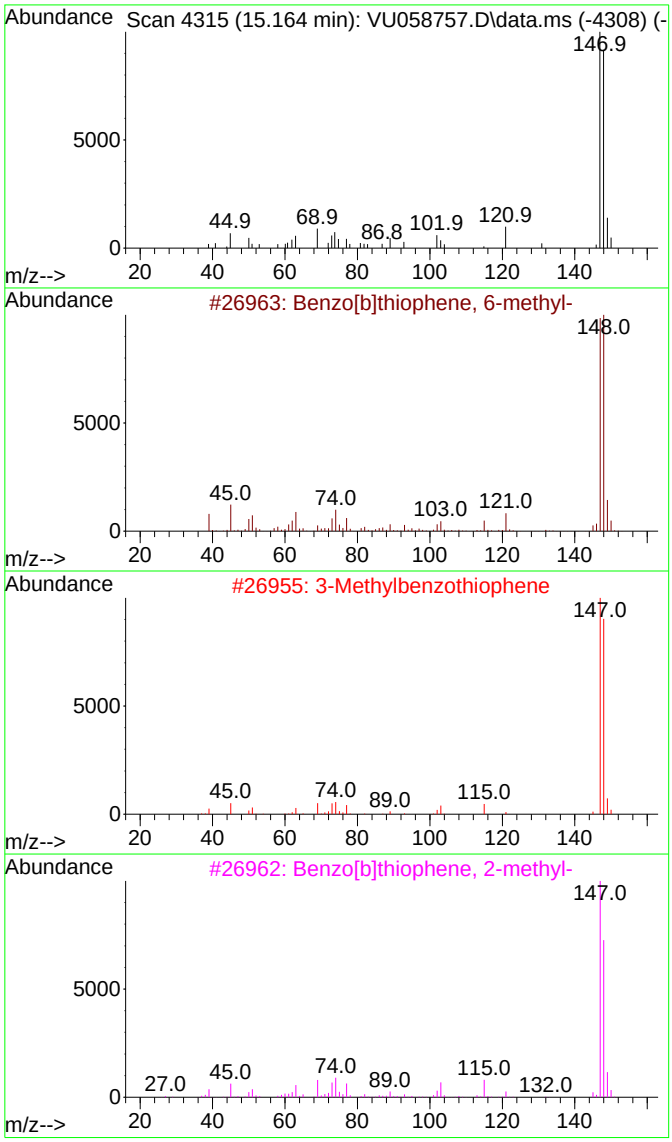
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

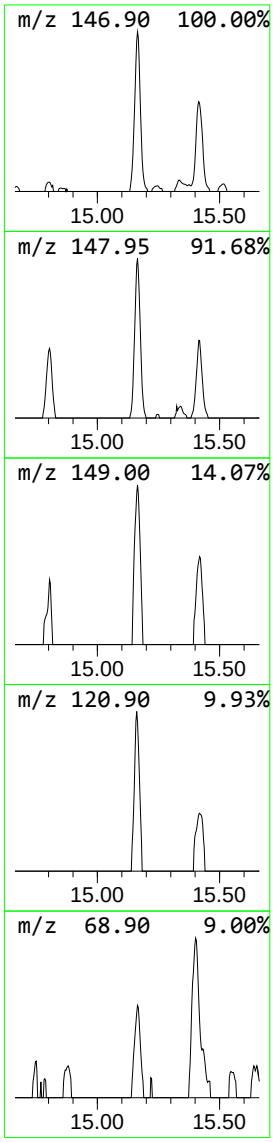
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Benzo[b]thiophene, 6-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.164 | 0.61 ug/L | 28630 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene, 6-methyl- | 148 | C9H8S | 016587-47-6 | 91 |
| 2 | 3-Methylbenzothiophene | 148 | C9H8S | 001455-18-1 | 87 |
| 3 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 80 |
| 4 | 5-Methylthiophene-2,3-dicarbonit... | 148 | C7H4N2S | 1000305-40-8 | 80 |
| 5 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

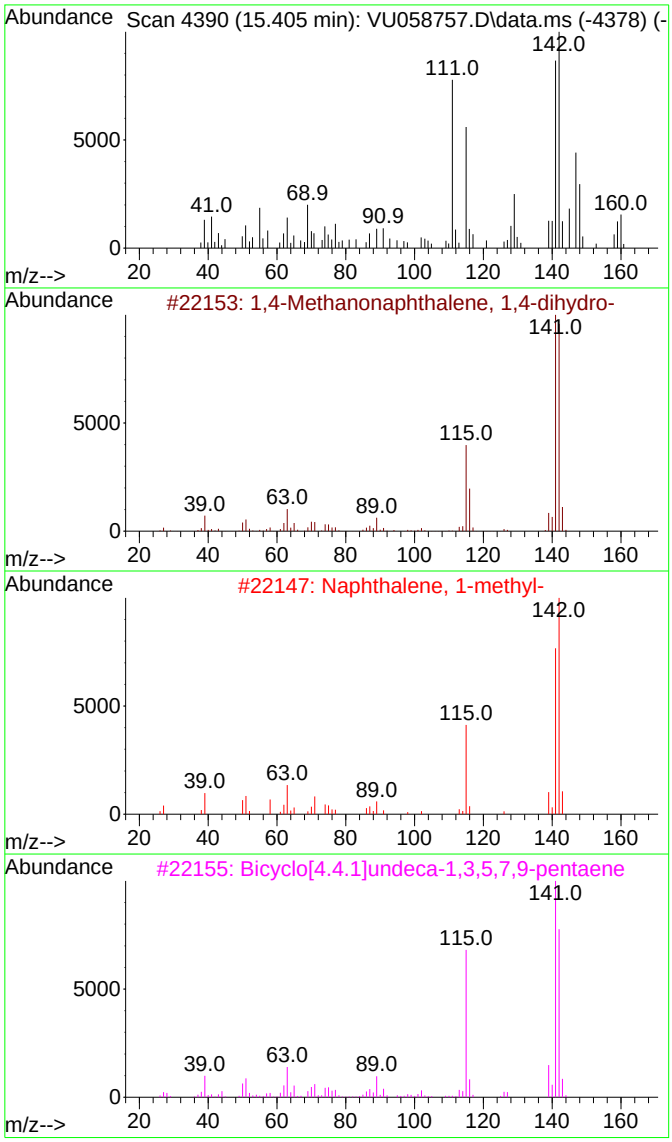
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

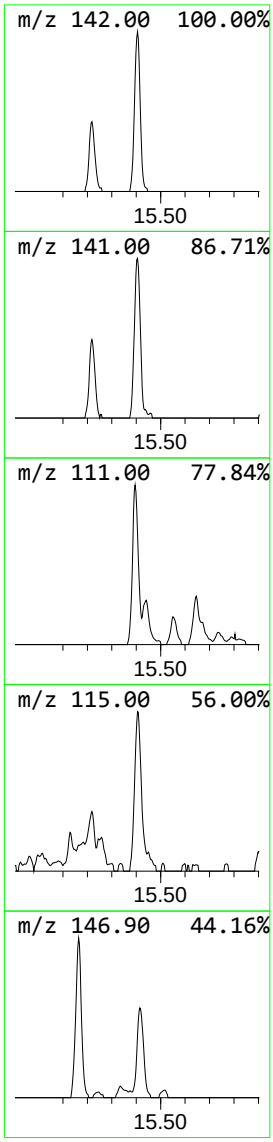
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 1,4-Methanonaphthalene, 1,4... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.405 | 2.22 ug/L | 104833 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 50 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 50 |
| 3 | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10 | 002443-46-1 | 50 |
| 4 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 50 |
| 5 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

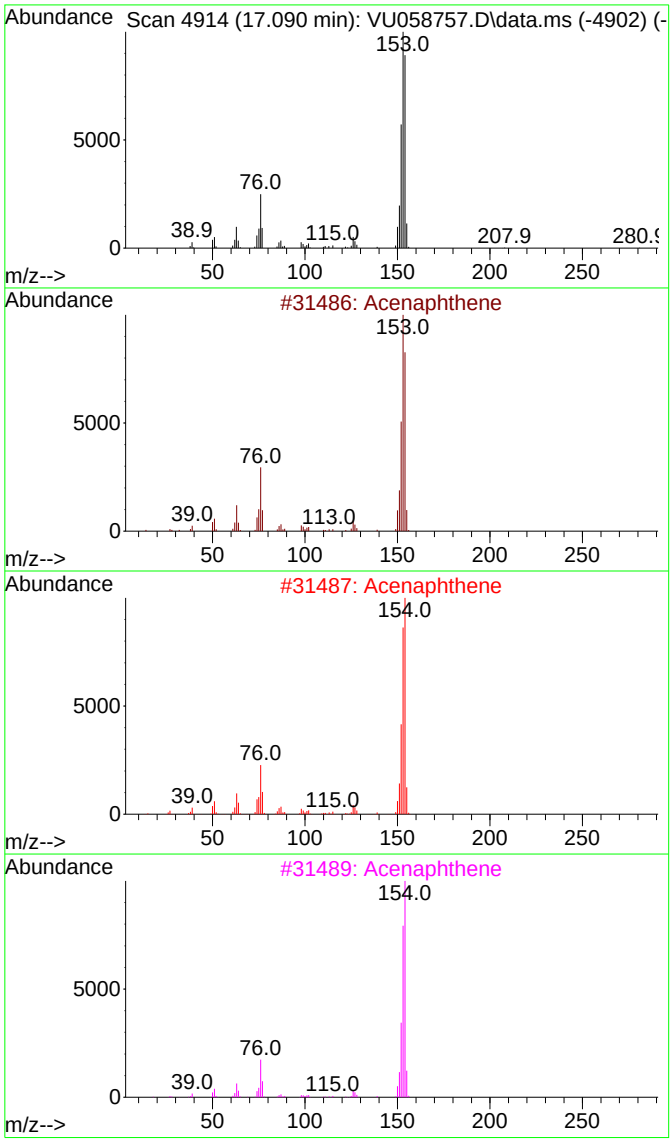
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0

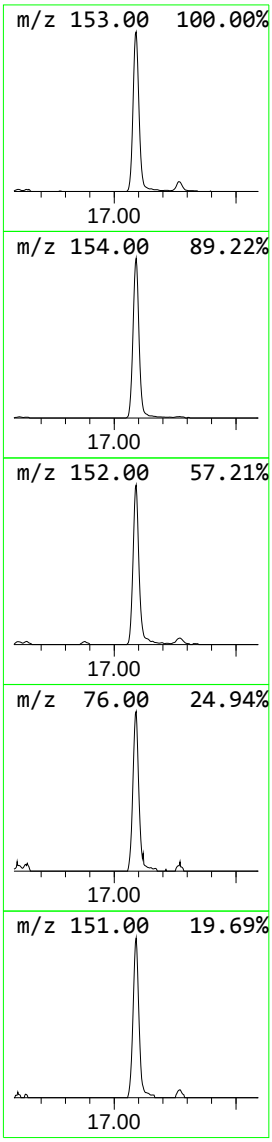
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 1,4-Ethenonaphthalene, 1,4-... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.090 | 5.22 ug/L | 246648 | 1,4-Dichlorobenzene-d4 | 11.807 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acenaphthene | 154 | C12H10 | 000083-32-9 | 96 |
| 2 | Acenaphthene | 154 | C12H10 | 000083-32-9 | 90 |
| 3 | Acenaphthene | 154 | C12H10 | 000083-32-9 | 76 |
| 4 | Acenaphthene | 154 | C12H10 | 000083-32-9 | 64 |
| 5 | 1,4-Ethenonaphthalene, 1,4-dihydro- | 154 | C12H10 | 007322-47-6 | 58 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041824\
Data File : VU058757.D
Acq On : 18 Apr 2024 13:04
Operator : MD/SY
Sample : P2181-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AK9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.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 |
| Benzene, 1-chlo... | 9.495 | 4.8 | ug/L | 222648 | 2 | 9.412 | 234574 | 5.0 |
| Indane | 12.087 | 3.2 | ug/L | 151758 | 3 | 11.807 | 236174 | 5.0 |
| Benzene, 1,2-di... | 12.299 | 0.9 | ug/L | 43785 | 3 | 11.807 | 236174 | 5.0 |
| Indan, 1-methyl- | 12.675 | 1.5 | ug/L | 69384 | 3 | 11.807 | 236174 | 5.0 |
| Benzene, 1,2,4,... | 12.968 | 0.6 | ug/L | 28213 | 3 | 11.807 | 236174 | 5.0 |
| Benzofuran, 2-m... | 13.019 | 1.2 | ug/L | 55386 | 3 | 11.807 | 236174 | 5.0 |
| (E)-1-Phenyl-1-... | 13.447 | 0.7 | ug/L | 33827 | 3 | 11.807 | 236174 | 5.0 |
| 1H-Indene, 1-me... | 13.621 | 0.9 | ug/L | 41734 | 3 | 11.807 | 236174 | 5.0 |
| Benzene, 2-ethe... | 13.781 | 0.6 | ug/L | 25751 | 3 | 11.807 | 236174 | 5.0 |
| unknown-01 | 13.952 | 0.8 | ug/L | 39205 | 3 | 11.807 | 236174 | 5.0 |
| Azulene | 14.081 | 13.5 | ug/L | 639098 | 3 | 11.807 | 236174 | 5.0 |
| Benzo[b]thiophene | 14.200 | 1.3 | ug/L | 59282 | 3 | 11.807 | 236174 | 5.0 |
| Benzene, cyclop... | 14.238 | 0.6 | ug/L | 27555 | 3 | 11.807 | 236174 | 5.0 |
| Benzene, pentam... | 14.801 | 0.7 | ug/L | 34866 | 3 | 11.807 | 236174 | 5.0 |
| Benzo[b]thiophe... | 14.875 | 0.5 | ug/L | 24894 | 3 | 11.807 | 236174 | 5.0 |
| Benzo[b]thiophe... | 15.164 | 0.6 | ug/L | 28630 | 3 | 11.807 | 236174 | 5.0 |
| 1,4-Methanonaph... | 15.405 | 2.2 | ug/L | 104833 | 3 | 11.807 | 236174 | 5.0 |
| 1,4-Ethenonapht... | 17.090 | 5.2 | ug/L | 246648 | 3 | 11.807 | 236174 | 5.0 |