LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062322\
Data File : VV026549.D
Acq On : 24 Jun 2022 12:41
Operator : SY/MD
Sample : VIBLK260
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VIBLK260

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_V\Method\SFAMVTR062322WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VV026549.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.269 | 53 | 71 | 77 | rBV6 | 12575 | 35083 | 4.42% | 0.454% |
| 2 | 1.317 | 80 | 86 | 98 | rVB | 136657 | 146854 | 18.51% | 1.899% |
| 3 | 1.433 | 103 | 122 | 152 | rBV | 96781 | 433749 | 54.66% | 5.607% |
| 4 | 1.577 | 161 | 167 | 178 | rVB | 114349 | 133552 | 16.83% | 1.727% |
| 5 | 2.118 | 326 | 335 | 352 | rVB | 232122 | 337759 | 42.56% | 4.366% |
| 6 | 2.519 | 450 | 460 | 477 | rVB3 | 20392 | 35491 | 4.47% | 0.459% |
| 7 | 3.902 | 878 | 890 | 923 | rBV | 63269 | 207390 | 26.13% | 2.681% |
| 8 | 4.359 | 1016 | 1032 | 1063 | rBV | 137369 | 347562 | 43.80% | 4.493% |
| 9 | 5.056 | 1231 | 1249 | 1276 | rBV2 | 324026 | 793535 | 100.00% | 10.259% |
| 10 | 5.622 | 1409 | 1425 | 1454 | rBV | 270301 | 548558 | 69.13% | 7.092% |
| 11 | 6.076 | 1552 | 1566 | 1602 | rBV | 177548 | 378431 | 47.69% | 4.892% |
| 12 | 6.992 | 1841 | 1851 | 1869 | rBV | 60326 | 114393 | 14.42% | 1.479% |
| 13 | 7.320 | 1941 | 1953 | 1970 | rBV | 379672 | 670055 | 84.44% | 8.662% |
| 14 | 7.397 | 1970 | 1977 | 1998 | rVB2 | 18557 | 39797 | 5.02% | 0.514% |
| 15 | 7.629 | 2037 | 2049 | 2070 | rBV2 | 32003 | 62249 | 7.84% | 0.805% |
| 16 | 8.092 | 2183 | 2193 | 2225 | rBV | 250474 | 484791 | 61.09% | 6.267% |
| 17 | 8.854 | 2418 | 2430 | 2449 | rBV | 376950 | 622802 | 78.48% | 8.051% |
| 18 | 9.934 | 2756 | 2766 | 2786 | rVB2 | 22683 | 36250 | 4.57% | 0.469% |
| 19 | 10.217 | 2842 | 2854 | 2877 | rBV | 112349 | 178882 | 22.54% | 2.313% |
| 20 | 10.355 | 2886 | 2897 | 2921 | rVB | 49087 | 82616 | 10.41% | 1.068% |
| 21 | 10.918 | 3061 | 3072 | 3082 | rBV | 6212 | 8918 | 1.12% | 0.115% |
| 22 | 11.249 | 3161 | 3175 | 3194 | rBV | 350189 | 537745 | 67.77% | 6.952% |
| 23 | 11.529 | 3250 | 3262 | 3280 | rBV5 | 26560 | 51094 | 6.44% | 0.661% |
| 24 | 11.622 | 3280 | 3291 | 3311 | rBV | 320362 | 505751 | 63.73% | 6.538% |
| 25 | 12.014 | 3401 | 3413 | 3434 | rBV | 44805 | 71487 | 9.01% | 0.924% |
| 26 | 12.117 | 3434 | 3445 | 3450 | rBV3 | 6373 | 11479 | 1.45% | 0.148% |
| 27 | 12.410 | 3522 | 3536 | 3547 | rBV | 42282 | 64262 | 8.10% | 0.831% |
| 28 | 12.464 | 3547 | 3553 | 3565 | rVB2 | 9579 | 14671 | 1.85% | 0.190% |
| 29 | 12.722 | 3624 | 3633 | 3645 | rBV2 | 21127 | 31456 | 3.96% | 0.407% |
| 30 | 12.879 | 3668 | 3682 | 3692 | rBV2 | 92170 | 146317 | 18.44% | 1.892% |
| 31 | 13.053 | 3727 | 3736 | 3747 | rVB8 | 4744 | 9202 | 1.16% | 0.119% |
| 32 | 13.268 | 3793 | 3803 | 3820 | rVB2 | 8754 | 13069 | 1.65% | 0.169% |
| 33 | 13.500 | 3863 | 3875 | 3897 | rBV | 361561 | 569237 | 71.73% | 7.359% |
| 34 | 14.635 | 4220 | 4228 | 4240 | rBV2 | 7484 | 10769 | 1.36% | 0.139% |

Sum of corrected areas: 7735256

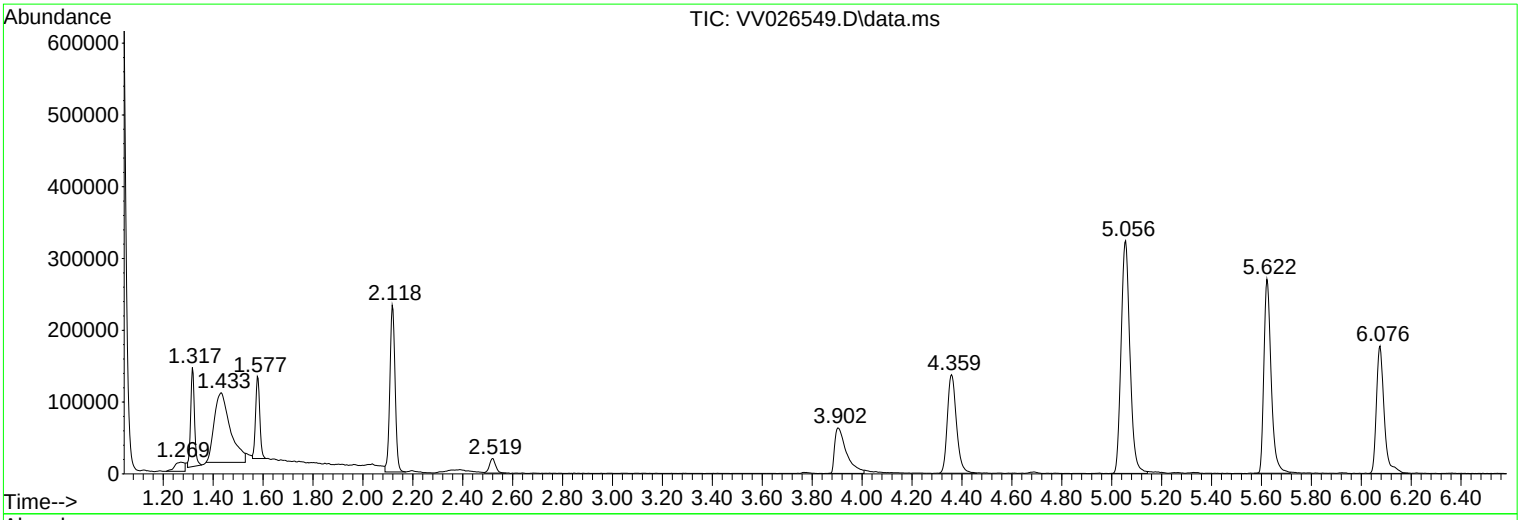
**Instrument :**
MSVOA_V
**ClientSampleId :**
VIBLK260

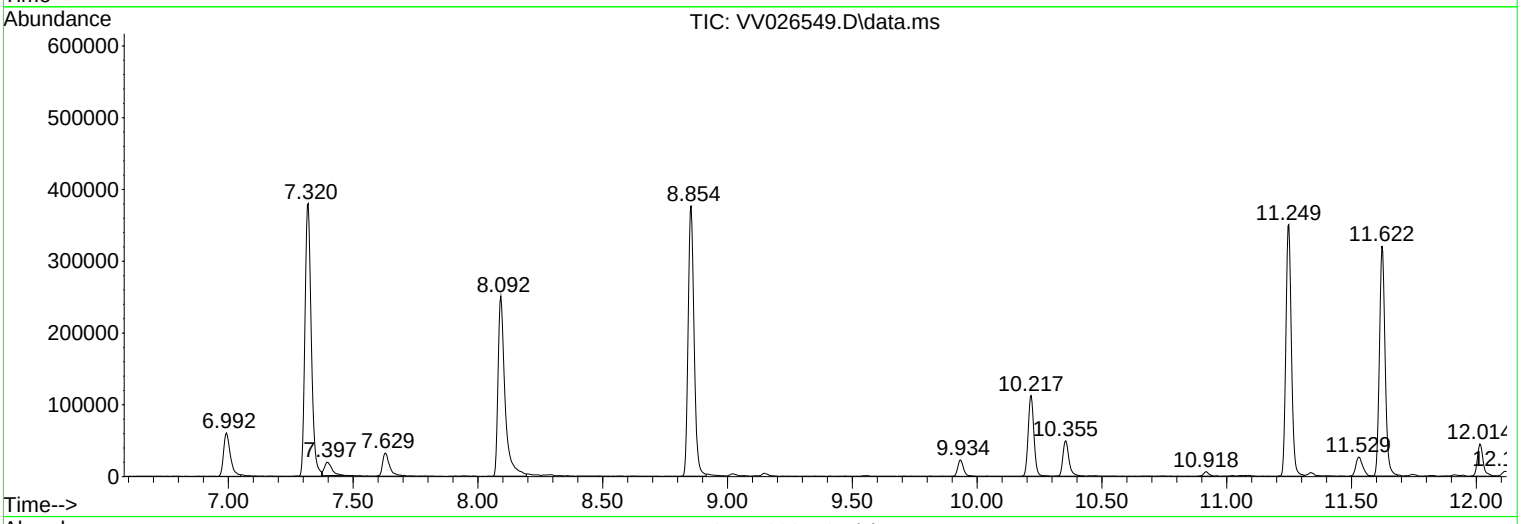
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062322\
Data File : VV026549.D
Acq On : 24 Jun 2022 12:41
Operator : SY/MD
Sample : VIBLK260
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

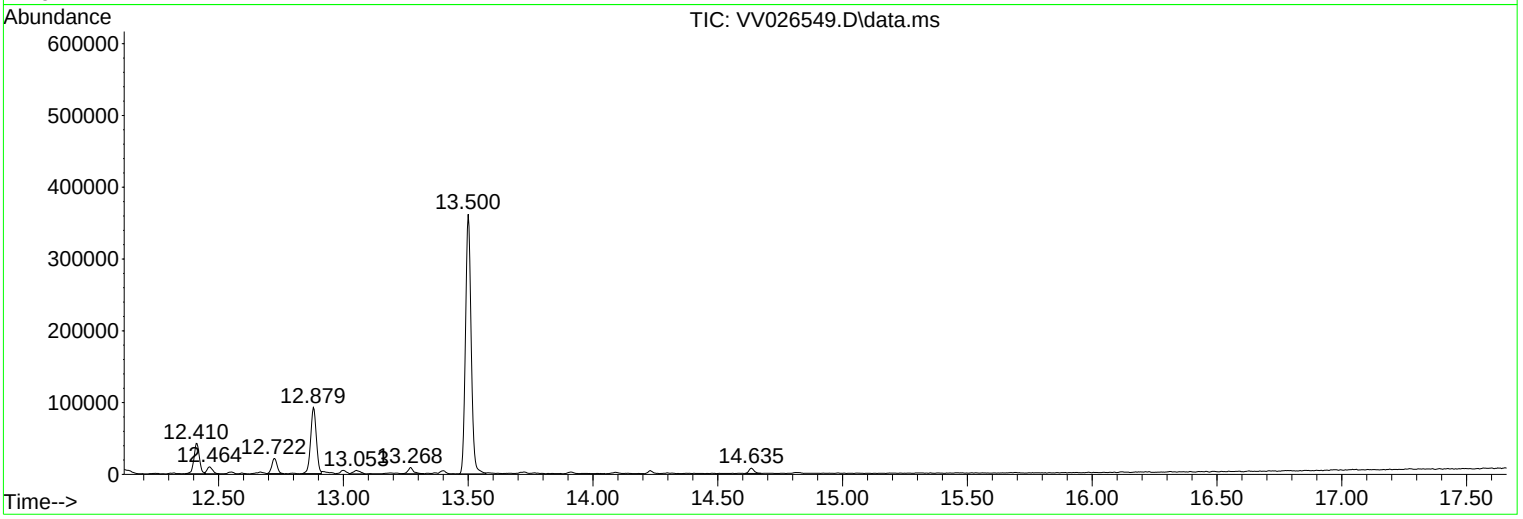
**Instrument :**
MSVOA_V
**ClientSampleId :**
VIBLK260

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
Quant Title : TRACE VOA SFAM1.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062322\
Data File : VV026549.D
Acq On : 24 Jun 2022 12:41
Operator : SY/MD
Sample : VIBLK260
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VIBLK260

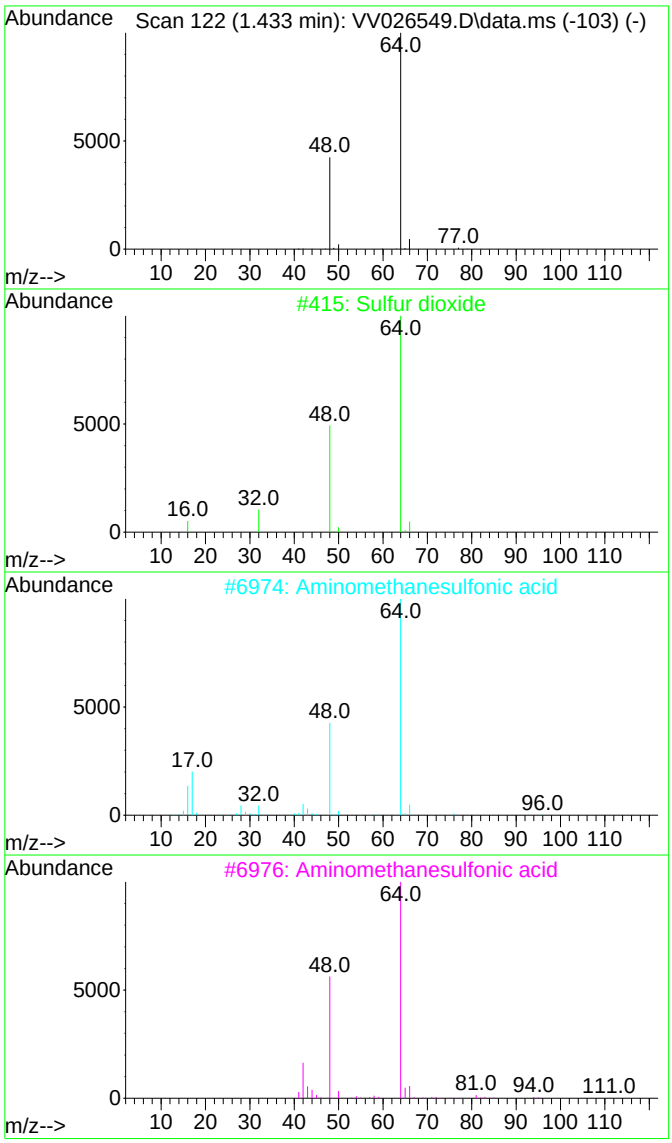
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
Quant Title : TRACE VOA SFAM1.0

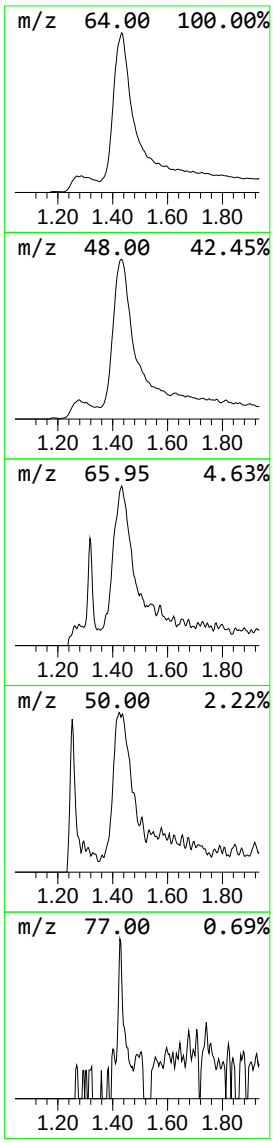
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.433 | 3.95 ug/L | 433749 | 1,4-Difluorobenzene | 5.622 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062322\
Data File : VV026549.D
Acq On : 24 Jun 2022 12:41
Operator : SY/MD
Sample : VIBLK260
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VIBLK260

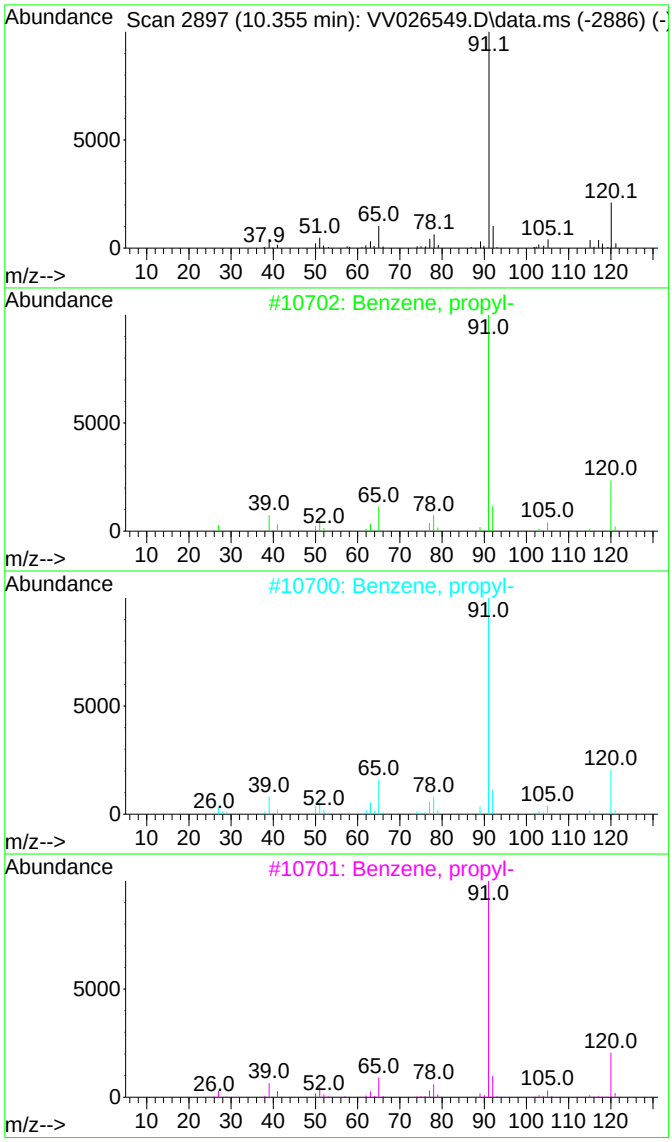
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
Quant Title : TRACE VOA SFAM1.0

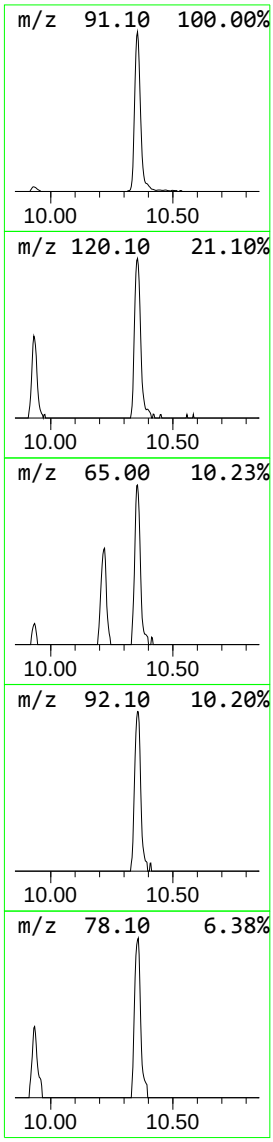
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Benzene, propyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.355 | 0.77 ug/L | 82616 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 93 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 81 |
| 3 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 81 |
| 4 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 74 |
| 5 | 1,2-Ethanediamine, N,N'-bis(phen... | 240 | C16H20N2 | 000140-28-3 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062322\
Data File : VV026549.D
Acq On : 24 Jun 2022 12:41
Operator : SY/MD
Sample : VIBLK260
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VIBLK260

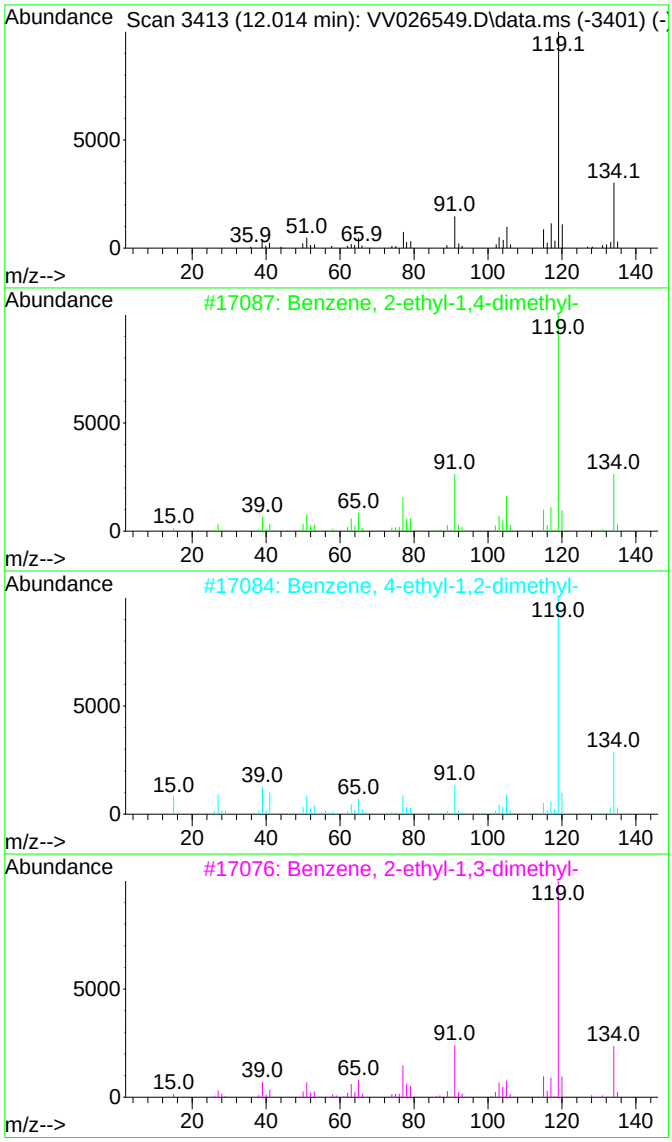
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
Quant Title : TRACE VOA SFAM1.0

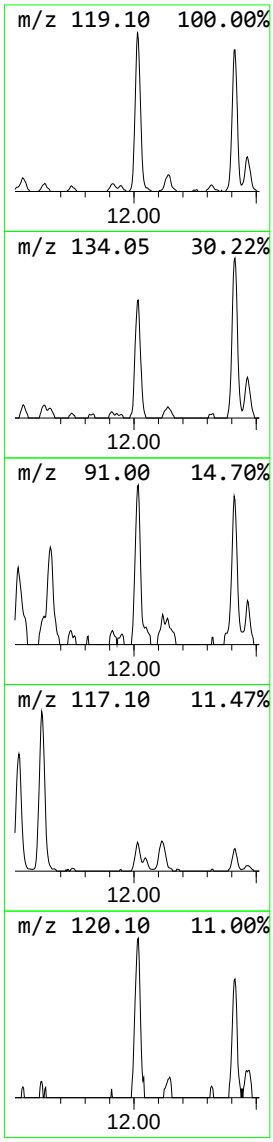
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.014 | 0.66 ug/L | 71487 | 1,4-Dichlorobenzene-d4 | 11.249 |

| 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 | 95 |
| 3 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |
| 4 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 95 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062322\
Data File : VV026549.D
Acq On : 24 Jun 2022 12:41
Operator : SY/MD
Sample : VIBLK260
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VIBLK260

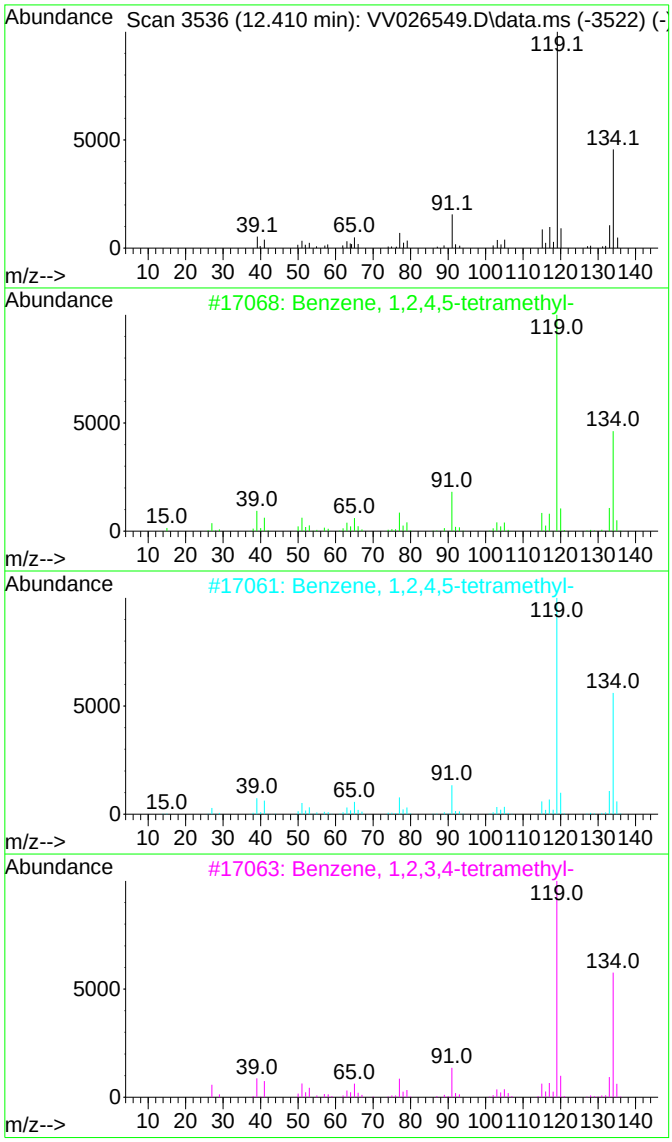
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
Quant Title : TRACE VOA SFAM1.0

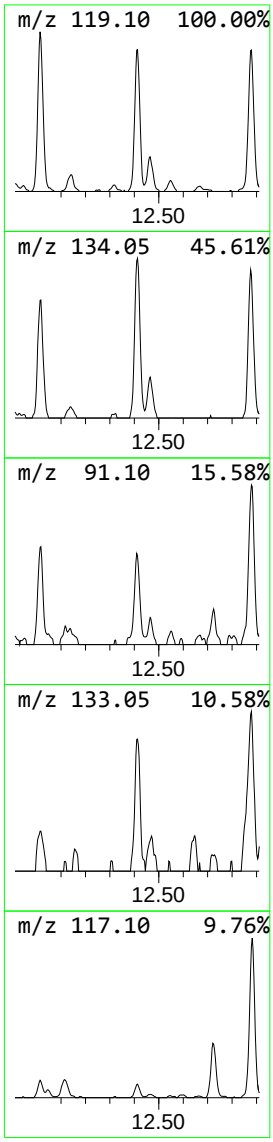
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.410 | 0.60 ug/L | 64262 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 4 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 95 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062322\
Data File : VV026549.D
Acq On : 24 Jun 2022 12:41
Operator : SY/MD
Sample : VIBLK260
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VIBLK260

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
Quant Title : TRACE VOA SFAM1.0

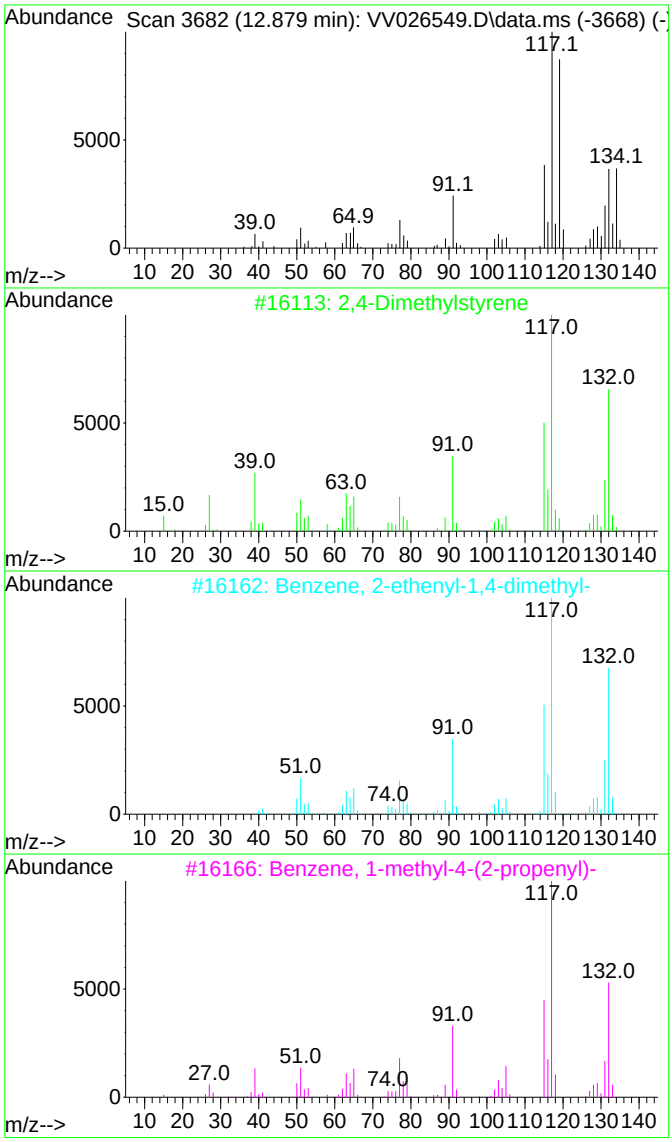
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

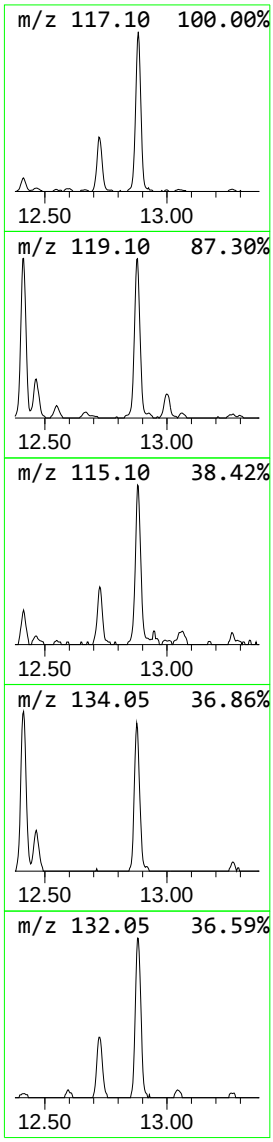
**********

Peak Number 6 2,4-Dimethylstyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.879 | 1.36 ug/L | 146317 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 89 |
| 2 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 86 |
| 3 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 78 |
| 4 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 60 |
| 5 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 60 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062322\
Data File : VV026549.D
Acq On : 24 Jun 2022 12:41
Operator : SY/MD
Sample : VIBLK260
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VIBLK260

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
Quant Title : TRACE VOA SFAM1.0

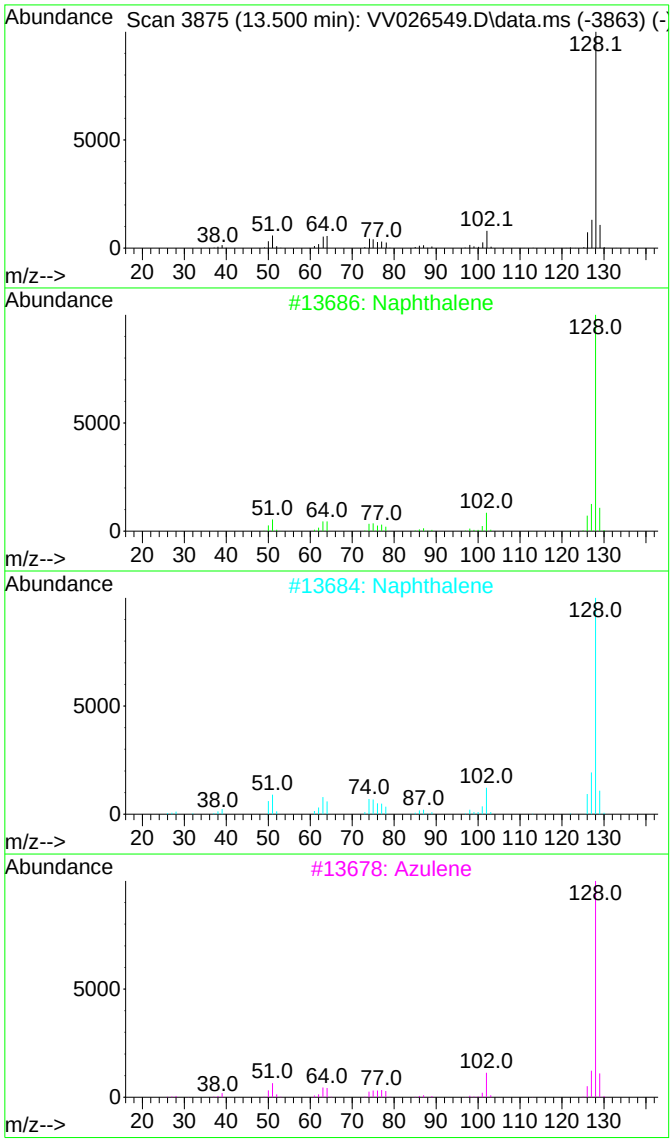
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

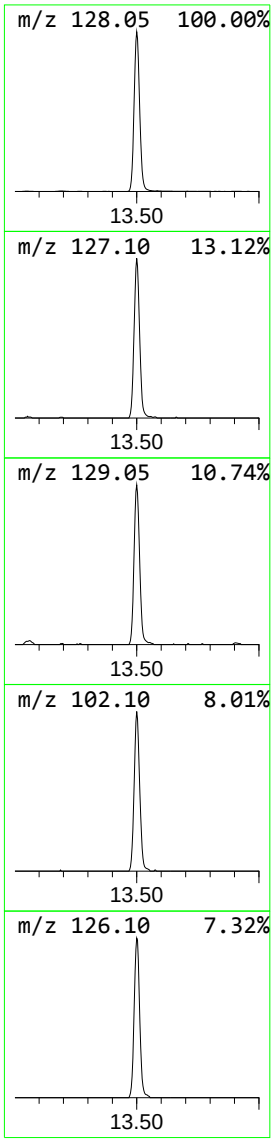
**********

Peak Number 7 Azulene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.500 | 5.29 ug/L | 569237 | 1,4-Dichlorobenzene-d4 | 11.249 |

| 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 | 93 |
| 5 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062322\
Data File : VV026549.D
Acq On : 24 Jun 2022 12:41
Operator : SY/MD
Sample : VIBLK260
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VIBLK260

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.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 | 1.433 | 4.0 | ug/L | 433749 | 1 | 5.622 | 548558 | 5.0 |
| Benzene, propyl- | 10.355 | 0.8 | ug/L | 82616 | 3 | 11.249 | 537745 | 5.0 |
| Benzene, 2-ethy... | 12.014 | 0.7 | ug/L | 71487 | 3 | 11.249 | 537745 | 5.0 |
| Benzene, 1,2,4,... | 12.410 | 0.6 | ug/L | 64262 | 3 | 11.249 | 537745 | 5.0 |
| 2,4-Dimethylsty... | 12.879 | 1.4 | ug/L | 146317 | 3 | 11.249 | 537745 | 5.0 |
| Azulene | 13.500 | 5.3 | ug/L | 569237 | 3 | 11.249 | 537745 | 5.0 |