LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

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\SFAMVTR111122WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VV029180.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.108 | 14 | 21 | 48 | rBV | 9783474 | 10442256 | 100.00% | 18.226% |
| 2 | 1.214 | 48 | 54 | 75 | rVV2 | 865638 | 969118 | 9.28% | 1.691% |
| 3 | 1.307 | 76 | 83 | 97 | rVV2 | 314147 | 396353 | 3.80% | 0.692% |
| 4 | 1.378 | 97 | 105 | 142 | rVB | 89534 | 250829 | 2.40% | 0.438% |
| 5 | 1.568 | 157 | 164 | 179 | rVB | 131879 | 160684 | 1.54% | 0.280% |
| 6 | 2.111 | 321 | 333 | 348 | rBV3 | 429043 | 728943 | 6.98% | 1.272% |
| 7 | 3.185 | 651 | 667 | 694 | rBV | 512476 | 1076853 | 10.31% | 1.880% |
| 8 | 3.902 | 870 | 890 | 927 | rBV2 | 1728721 | 4350214 | 41.66% | 7.593% |
| 9 | 4.342 | 1011 | 1027 | 1061 | rBV2 | 172297 | 452177 | 4.33% | 0.789% |
| 10 | 4.603 | 1090 | 1108 | 1128 | rBV2 | 158918 | 399449 | 3.83% | 0.697% |
| 11 | 5.043 | 1228 | 1245 | 1253 | rBV2 | 404786 | 973304 | 9.32% | 1.699% |
| 12 | 5.095 | 1254 | 1261 | 1295 | rVB | 479380 | 1083173 | 10.37% | 1.891% |
| 13 | 5.612 | 1409 | 1422 | 1456 | rBV | 351107 | 730131 | 6.99% | 1.274% |
| 14 | 5.908 | 1501 | 1514 | 1547 | rBV | 637943 | 1281699 | 12.27% | 2.237% |
| 15 | 6.066 | 1547 | 1563 | 1595 | rVB | 218048 | 467872 | 4.48% | 0.817% |
| 16 | 6.982 | 1838 | 1848 | 1866 | rBV | 96191 | 184038 | 1.76% | 0.321% |
| 17 | 7.310 | 1939 | 1950 | 1967 | rBV | 486767 | 857972 | 8.22% | 1.497% |
| 18 | 8.085 | 2181 | 2191 | 2226 | rBV | 425187 | 863899 | 8.27% | 1.508% |
| 19 | 8.847 | 2417 | 2428 | 2460 | rBV | 508435 | 878520 | 8.41% | 1.533% |
| 20 | 9.136 | 2504 | 2518 | 2544 | rVB | 59605 | 114527 | 1.10% | 0.200% |
| 21 | 9.535 | 2634 | 2642 | 2665 | rVB | 244590 | 396435 | 3.80% | 0.692% |
| 22 | 9.924 | 2750 | 2763 | 2786 | rBV | 351476 | 576926 | 5.52% | 1.007% |
| 23 | 10.207 | 2833 | 2851 | 2872 | rBV | 164697 | 272902 | 2.61% | 0.476% |
| 24 | 10.731 | 3003 | 3014 | 3037 | rVB | 69613 | 117603 | 1.13% | 0.205% |
| 25 | 11.239 | 3161 | 3172 | 3192 | rBV | 576126 | 942026 | 9.02% | 1.644% |
| 26 | 11.326 | 3192 | 3199 | 3212 | rVB | 71471 | 111203 | 1.06% | 0.194% |
| 27 | 11.519 | 3247 | 3259 | 3276 | rBV | 721048 | 1138957 | 10.91% | 1.988% |
| 28 | 11.615 | 3277 | 3289 | 3308 | rVB | 492297 | 812650 | 7.78% | 1.418% |
| 29 | 11.734 | 3313 | 3326 | 3341 | rVV | 1586162 | 2433435 | 23.30% | 4.247% |
| 30 | 11.824 | 3342 | 3354 | 3372 | rVB | 91092 | 171512 | 1.64% | 0.299% |
| 31 | 12.104 | 3429 | 3441 | 3463 | rBV | 579197 | 913665 | 8.75% | 1.595% |
| 32 | 12.348 | 3505 | 3517 | 3537 | rBV | 5348483 | 7809418 | 74.79% | 13.630% |
| 33 | 12.455 | 3537 | 3550 | 3557 | rVV | 1093855 | 2080131 | 19.92% | 3.631% |
| 34 | 12.496 | 3558 | 3563 | 3569 | rVV | 901327 | 1383701 | 13.25% | 2.415% |
| 35 | 12.532 | 3569 | 3574 | 3590 | rVB | 741539 | 1106343 | 10.59% | 1.931% |
| 36 | 12.715 | 3622 | 3631 | 3638 | rBV | 95177 | 147478 | 1.41% | 0.257% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

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\SFAMVTR111122WMA.M
Title : TRACE VOA SFAM1.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.207 | 3770 | 3784 | 3792 | rBV4 | 61366 | 109138 | 1.05% | 0.190% |
| 38 | 13.483 | 3858 | 3870 | 3878 | rBV3 | 315212 | 573095 | 5.49% | 1.000% |
| 39 | 13.528 | 3879 | 3884 | 3894 | rVB | 150395 | 212830 | 2.04% | 0.371% |
| 40 | 13.609 | 3894 | 3909 | 3921 | rBV | 5475409 | 8364516 | 80.10% | 14.599% |
| 41 | 14.281 | 4105 | 4118 | 4139 | rBV | 116407 | 213082 | 2.04% | 0.372% |
| 42 | 14.564 | 4194 | 4206 | 4218 | rBV | 280421 | 446175 | 4.27% | 0.779% |
| 43 | 14.805 | 4270 | 4281 | 4298 | rBV2 | 157500 | 299014 | 2.86% | 0.522% |

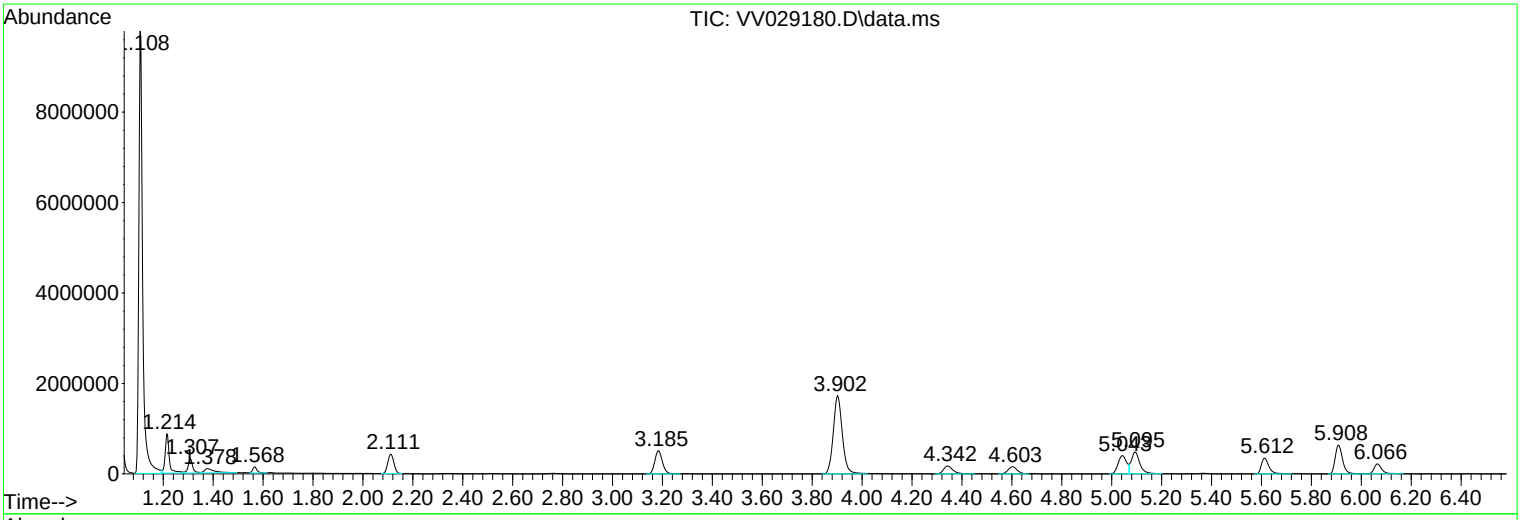
Sum of corrected areas: 57294246

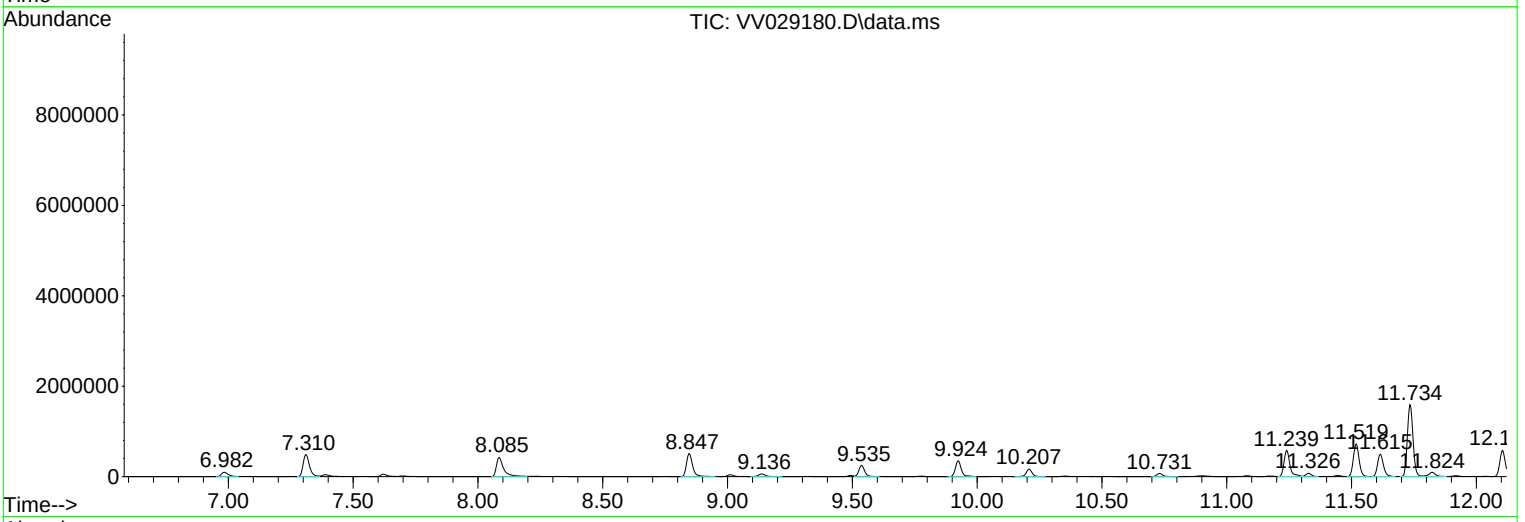
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

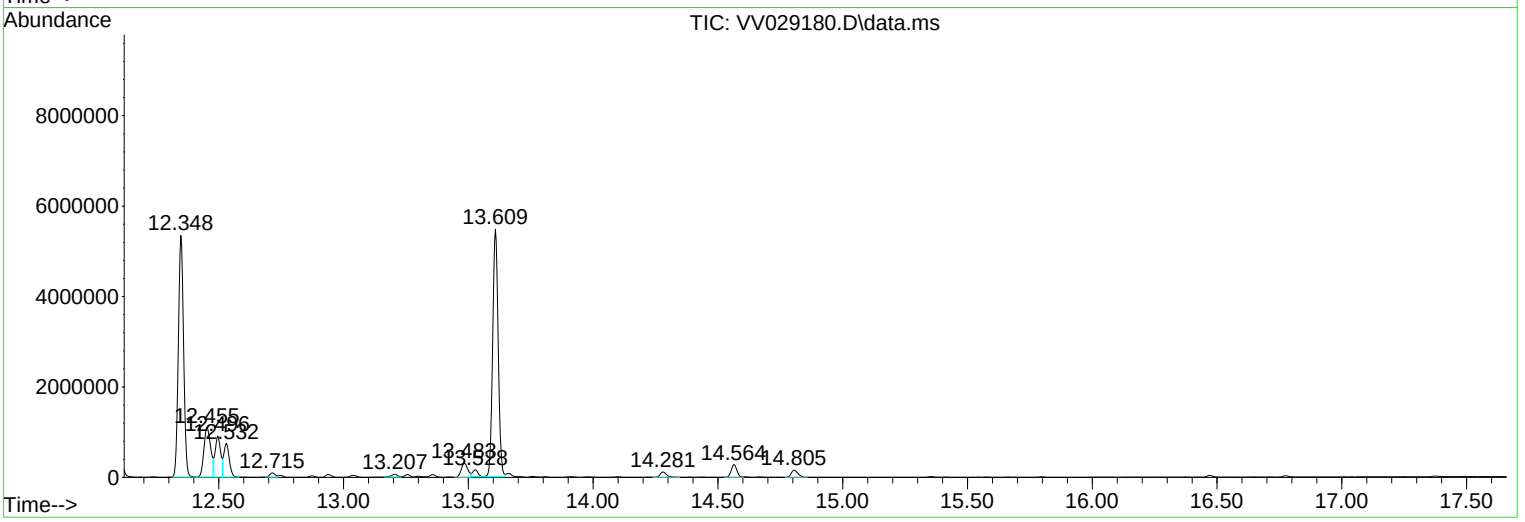
**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.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\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

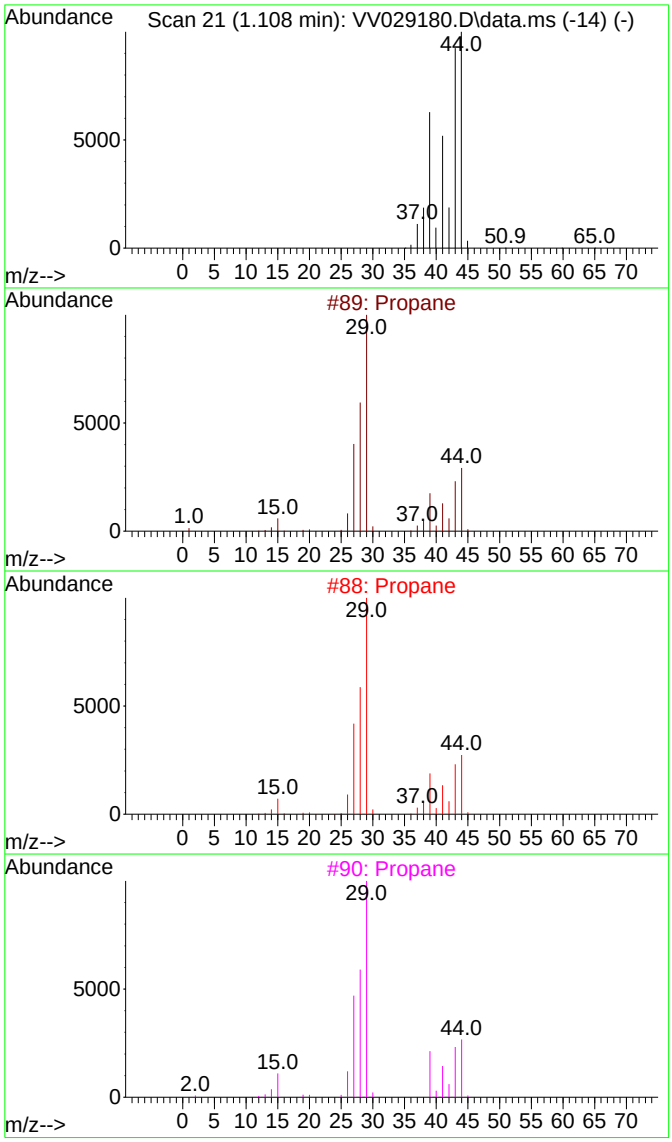
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

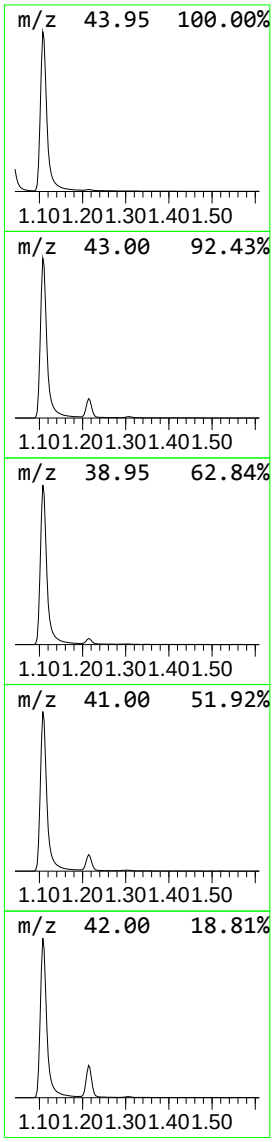
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.108 | 71.51 ug/L | 10442300 | 1,4-Difluorobenzene | 5.612 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane | 44 | C3H8 | 000074-98-6 | 83 |
| 2 | Propane | 44 | C3H8 | 000074-98-6 | 83 |
| 3 | Propane | 44 | C3H8 | 000074-98-6 | 9 |
| 4 | Propene | 42 | C3H6 | 000115-07-1 | 9 |
| 5 | Ethylene oxide | 44 | C2H4O | 000075-21-8 | 5 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

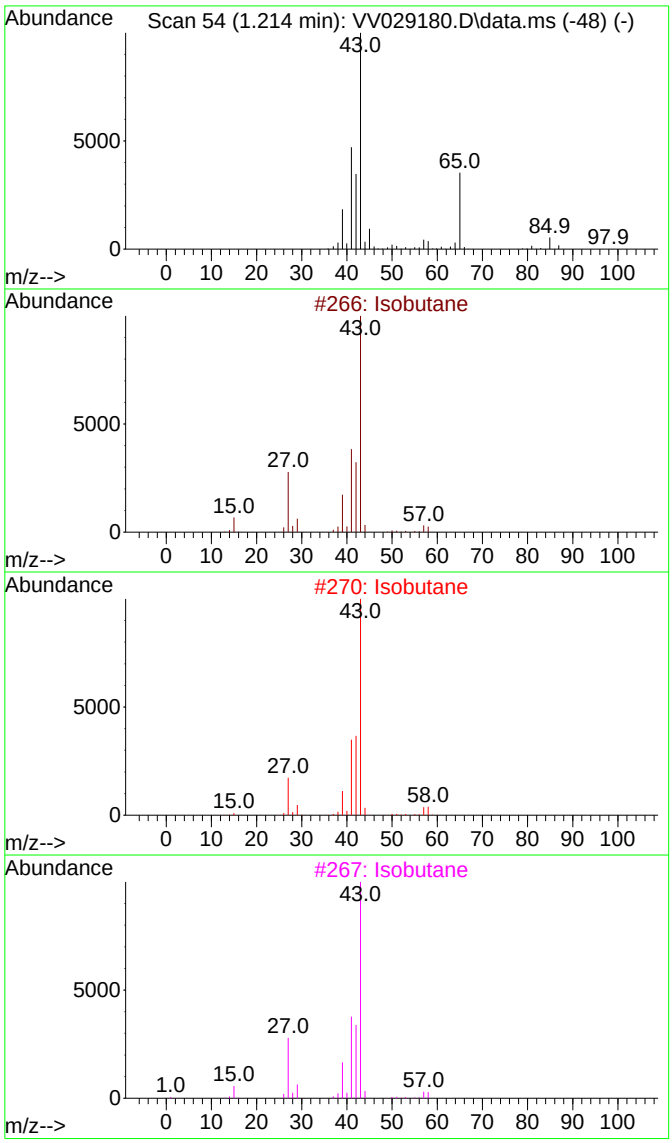
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

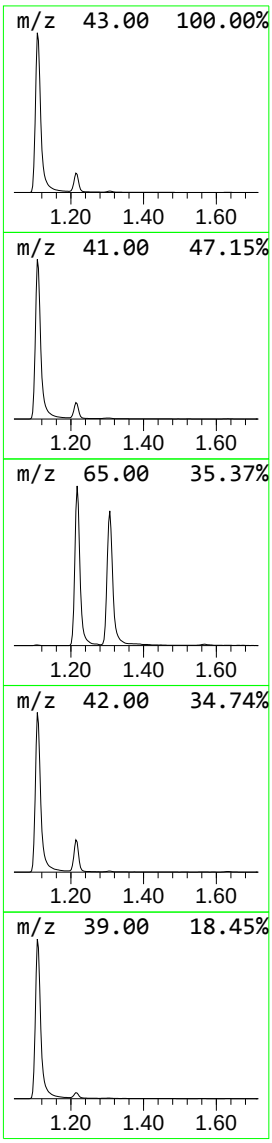
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.214 | 6.64 ug/L | 969118 | 1,4-Difluorobenzene | 5.612 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isobutane | 58 | C4H10 | 000075-28-5 | 43 |
| 2 | Isobutane | 58 | C4H10 | 000075-28-5 | 43 |
| 3 | Isobutane | 58 | C4H10 | 000075-28-5 | 43 |
| 4 | Isobutane | 58 | C4H10 | 000075-28-5 | 38 |
| 5 | Isobutane | 58 | C4H10 | 000075-28-5 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

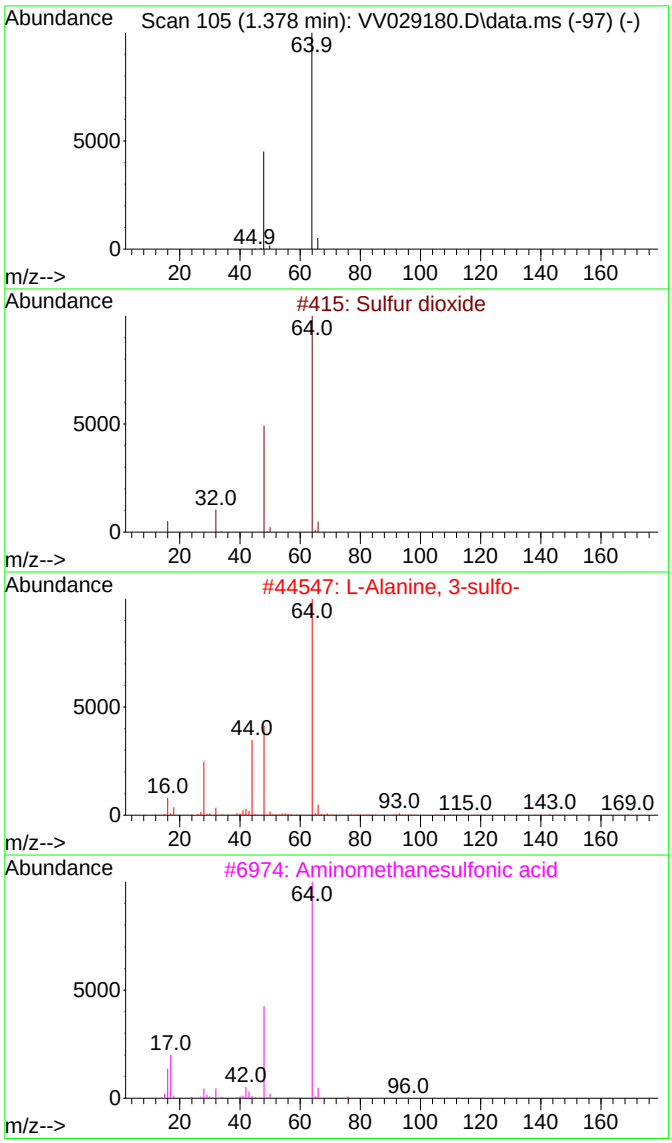
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

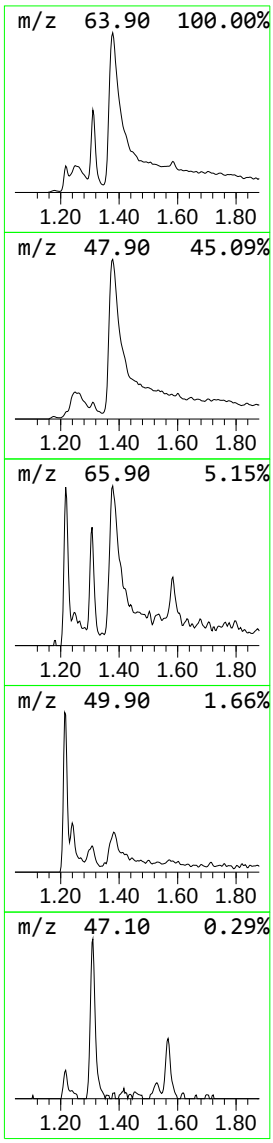
**********

Peak Number 3 Sulfur dioxide Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.378 | 1.72 ug/L | 250829 | 1,4-Difluorobenzene | 5.612 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

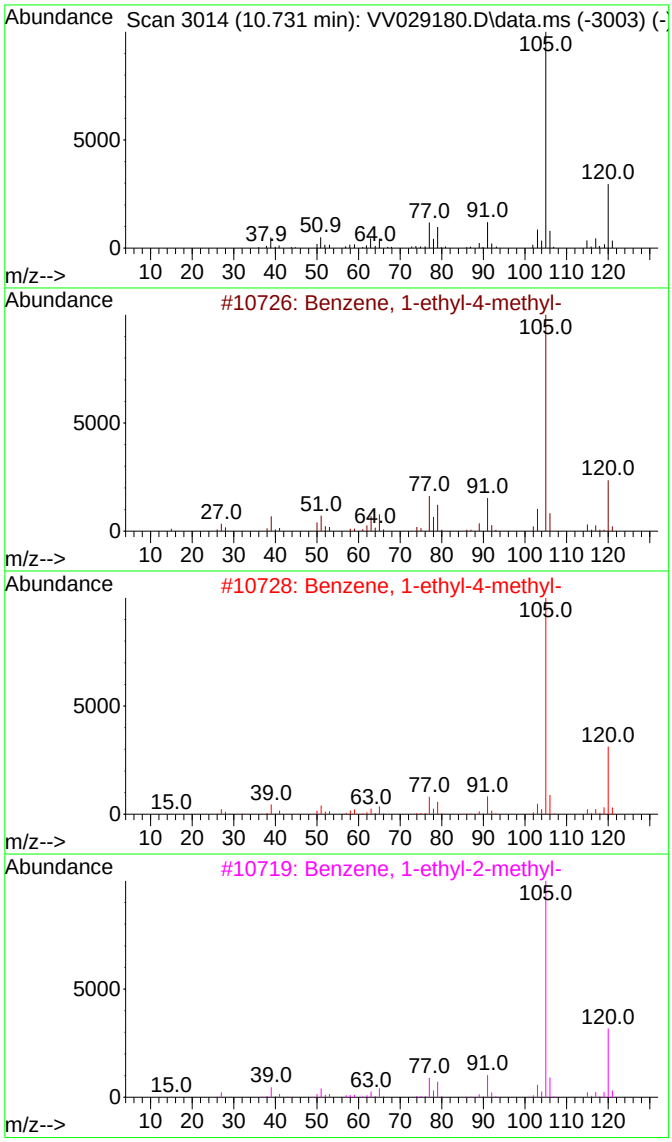
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

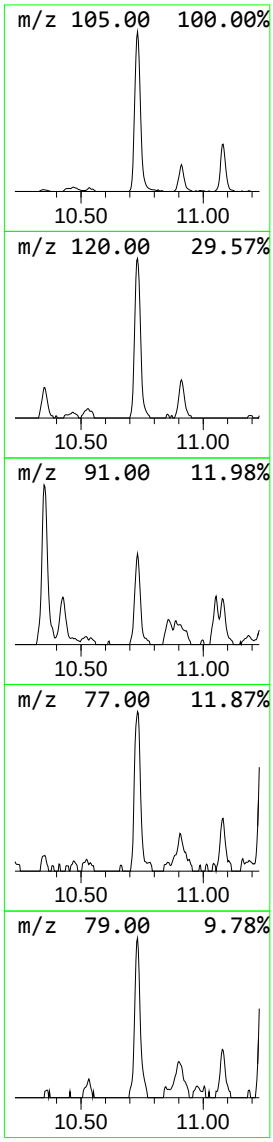
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 1-ethyl-4-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.731 | 0.62 ug/L | 117603 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 94 |
| 2 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 3 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 91 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

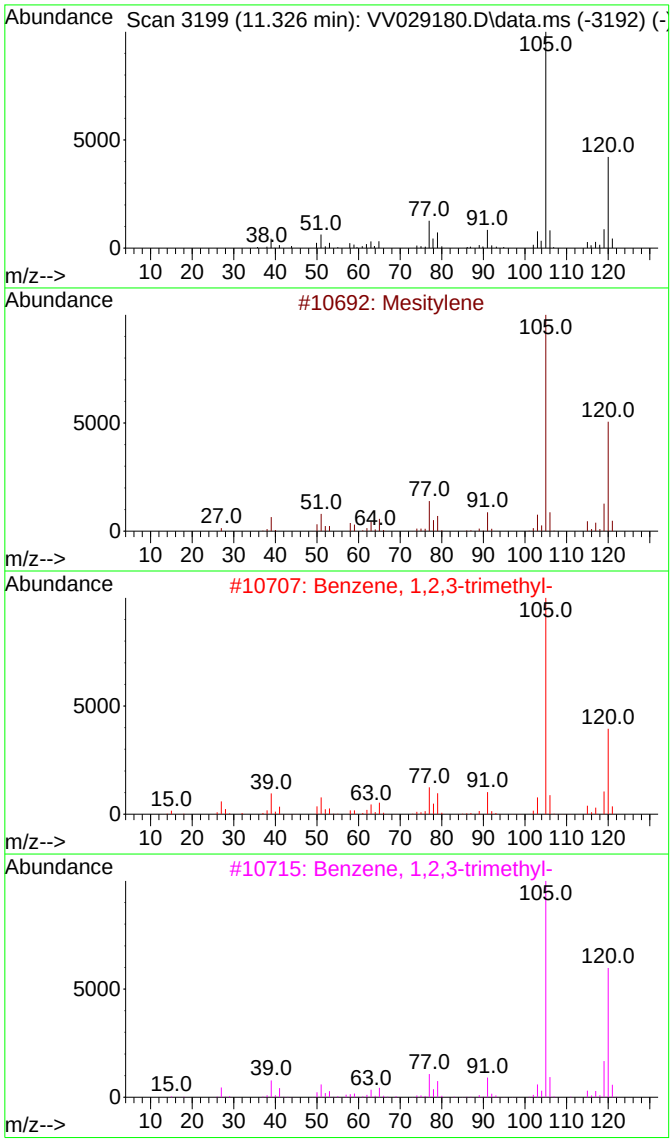
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

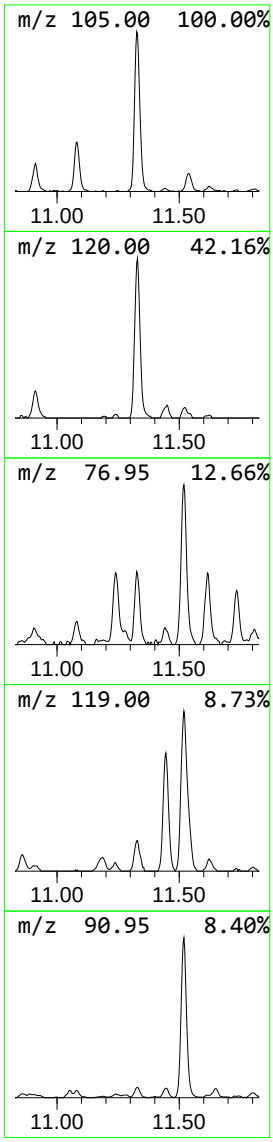
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.326 | 0.59 ug/L | 111203 | 1,4-Dichlorobenzene-d4 | 11.239 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

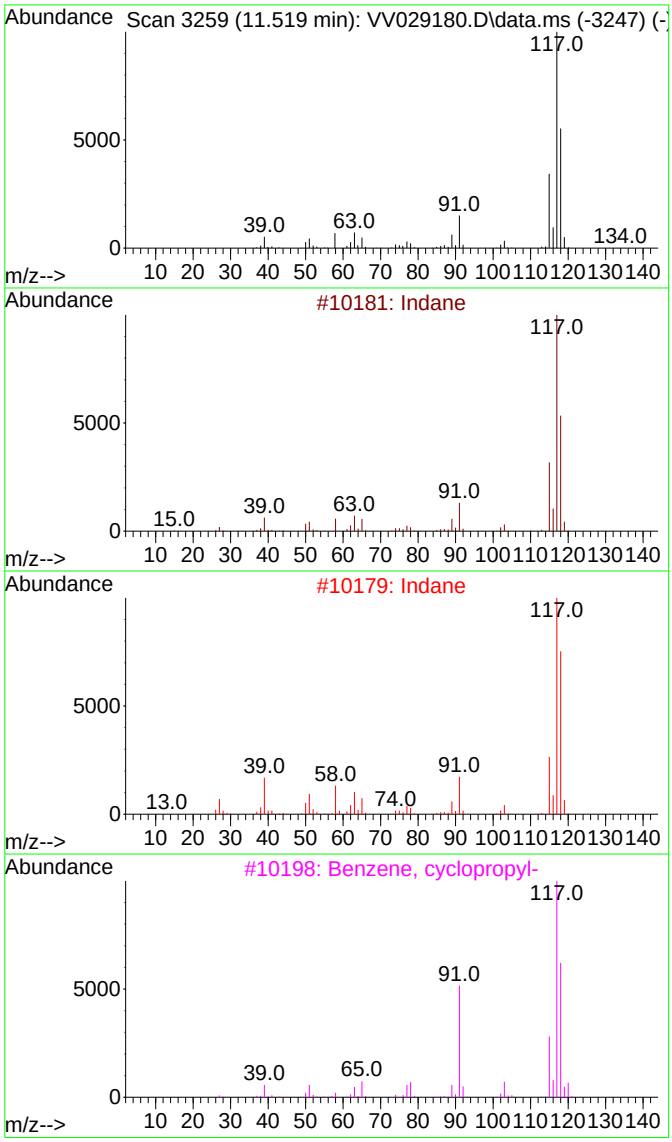
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

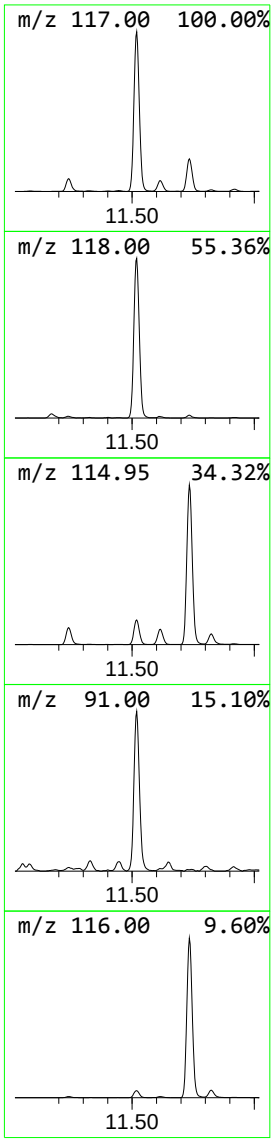
**********

Peak Number 7 Indane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.519 | 6.05 ug/L | 1138960 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 95 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 91 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 83 |
| 4 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 83 |
| 5 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 83 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

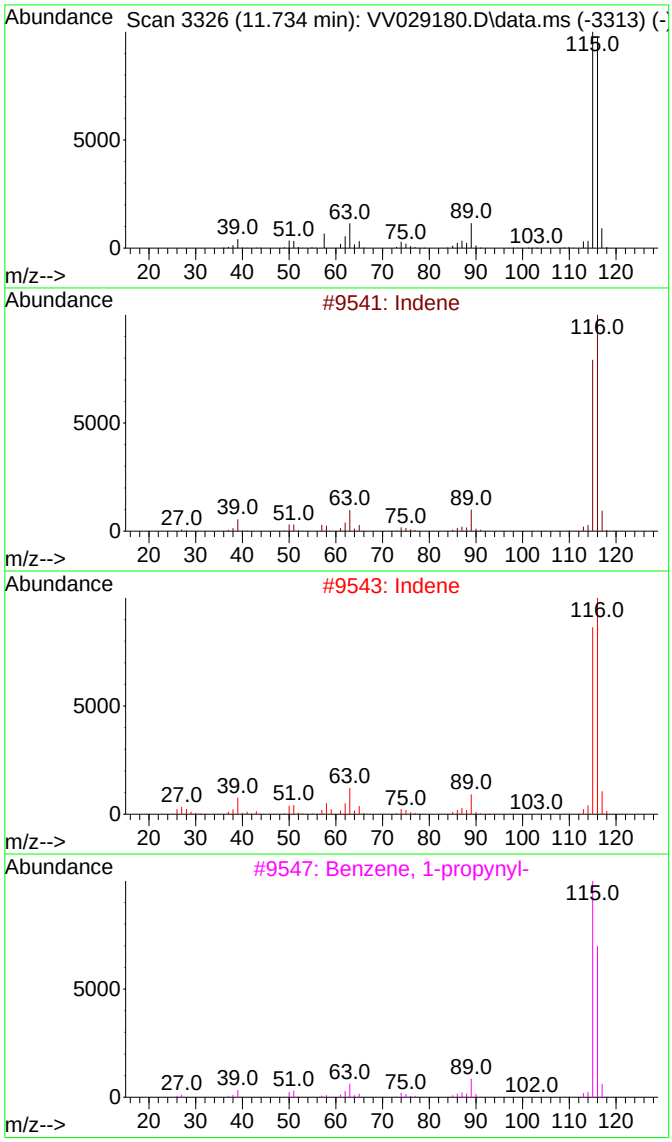
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

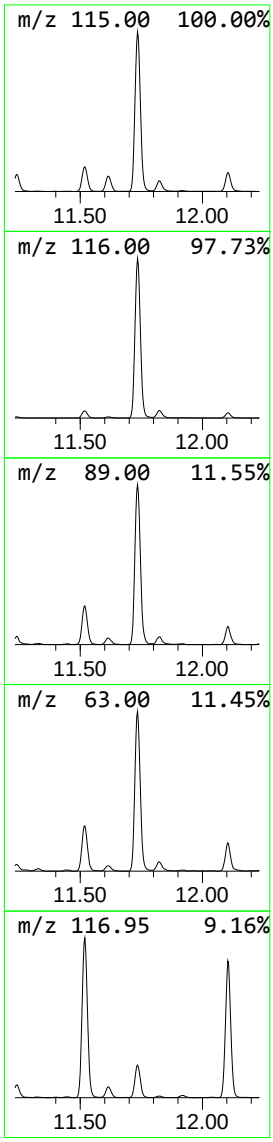
**********

Peak Number 8 Indene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.734 | 12.92 ug/L | 2433440 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 97 |
| 2 | Indene | 116 | C9H8 | 000095-13-6 | 95 |
| 3 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 94 |
| 4 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 91 |
| 5 | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8 | 000766-97-2 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

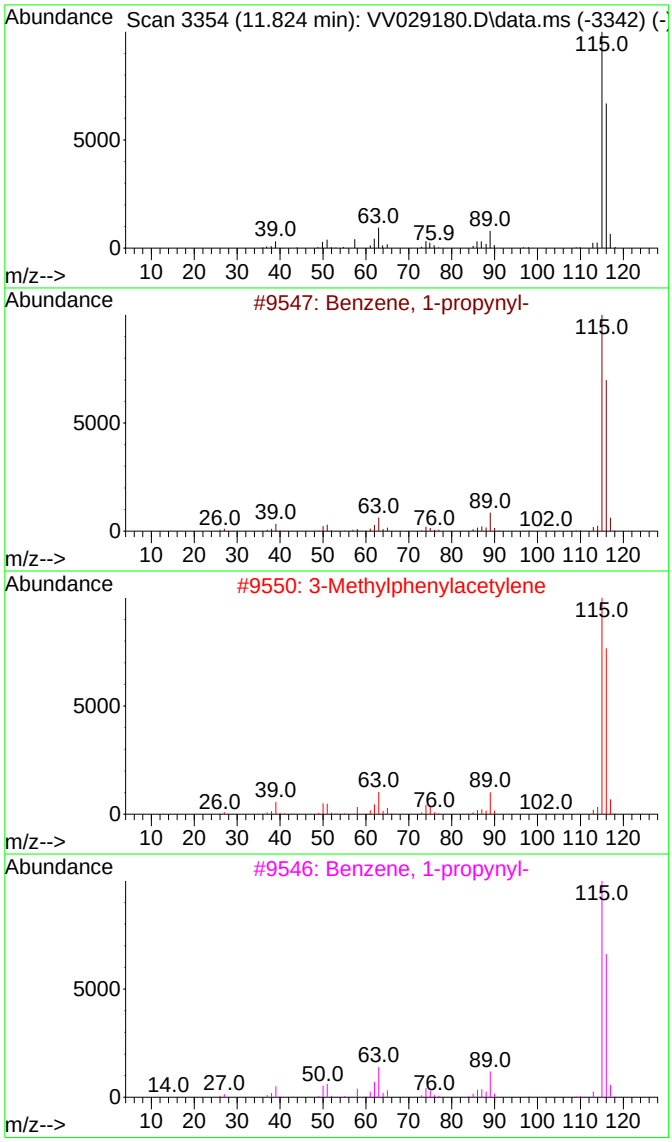
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

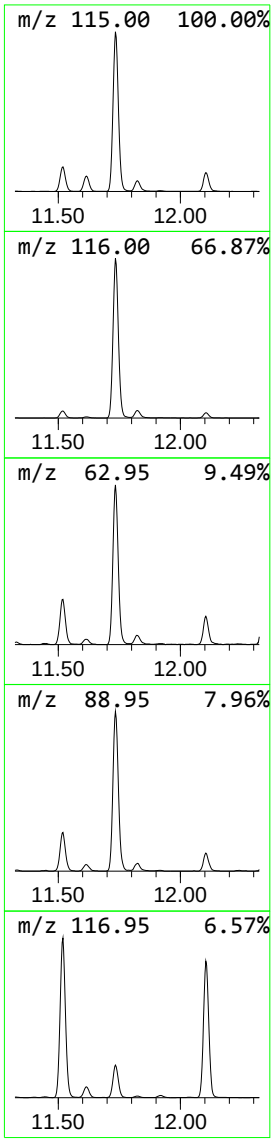
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, 1-propynyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.824 | 0.91 ug/L | 171512 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 95 |
| 2 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 95 |
| 3 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 94 |
| 4 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 91 |
| 5 | 1-Propyne, 3-phenyl- | 116 | C9H8 | 010147-11-2 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

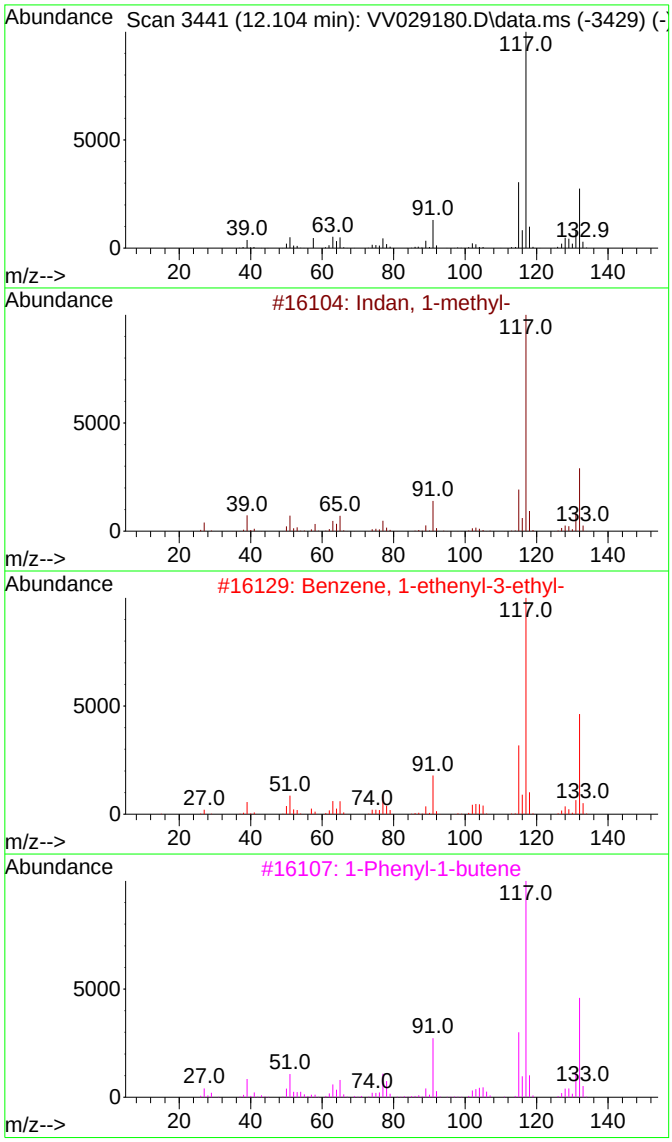
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

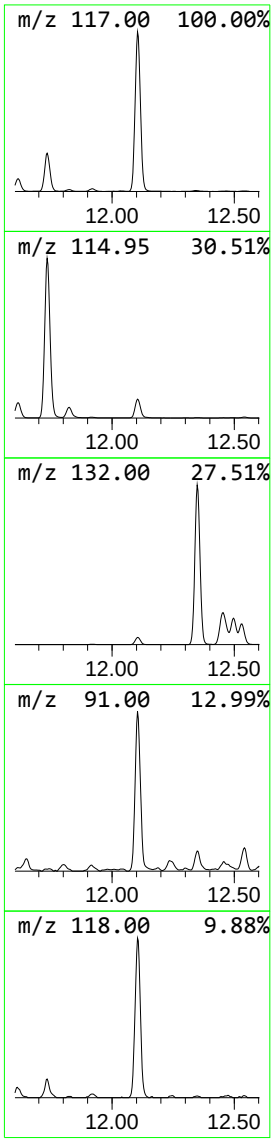
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Indan, 1-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.104 | 4.85 ug/L | 913665 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 93 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 91 |
| 3 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 87 |
| 4 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 86 |
| 5 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 86 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

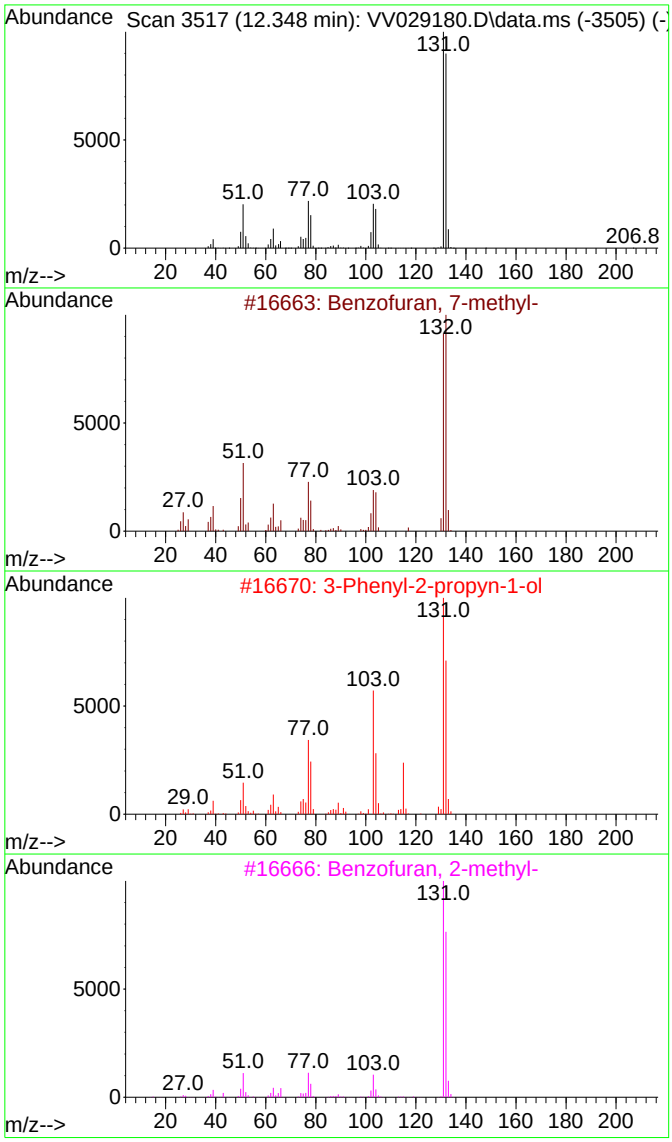
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

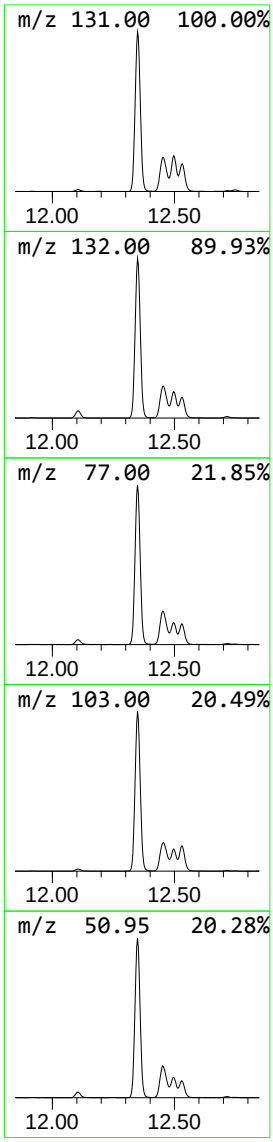
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzofuran, 7-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.348 | 41.45 ug/L | 7809420 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 94 |
| 2 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 91 |
| 3 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 4 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 5 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

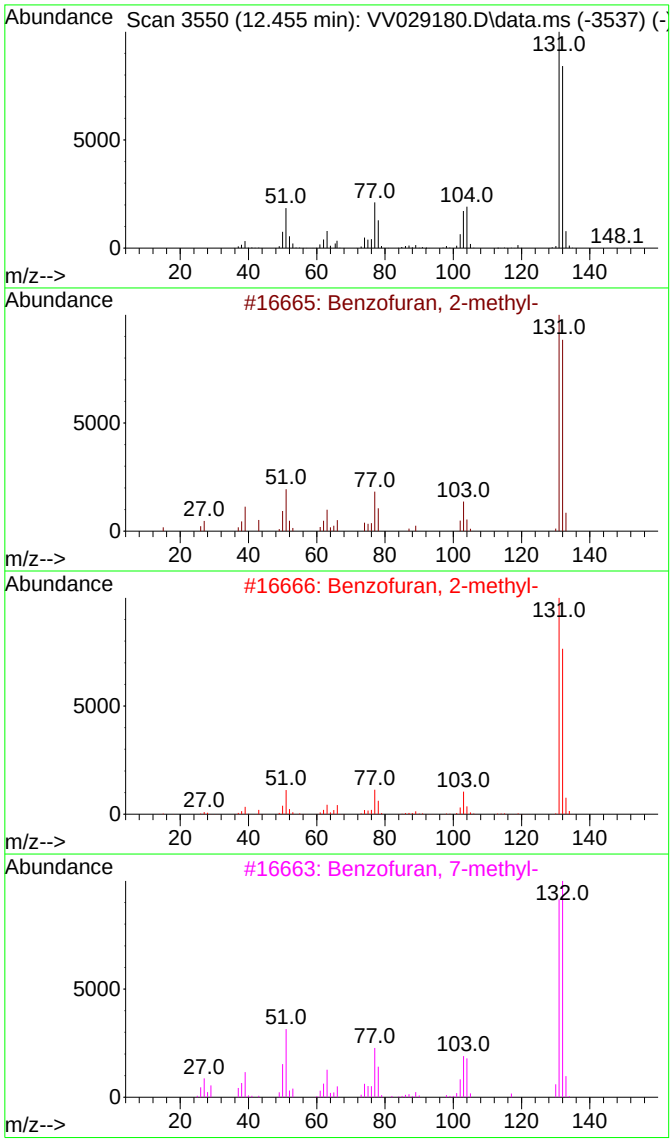
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

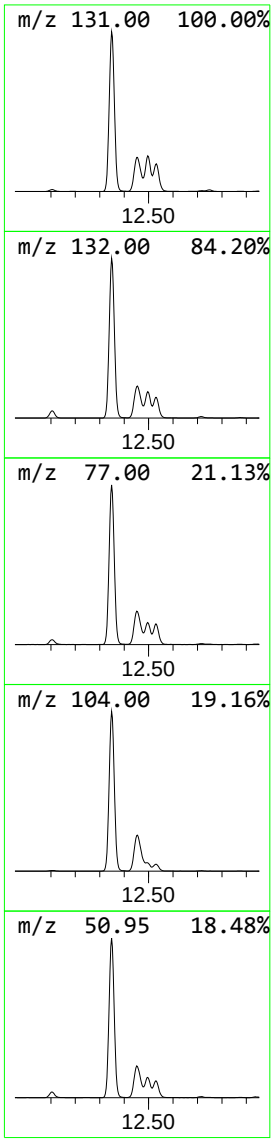
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzofuran, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.454 | 11.04 ug/L | 2080130 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 93 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 90 |
| 3 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 90 |
| 4 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 90 |
| 5 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

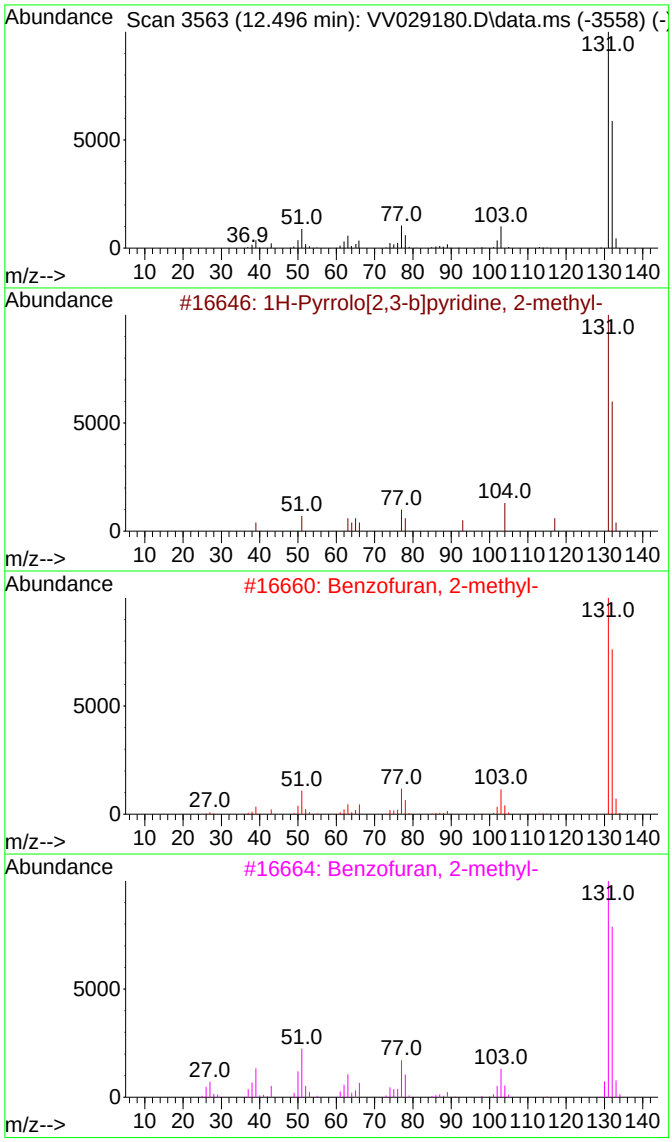
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

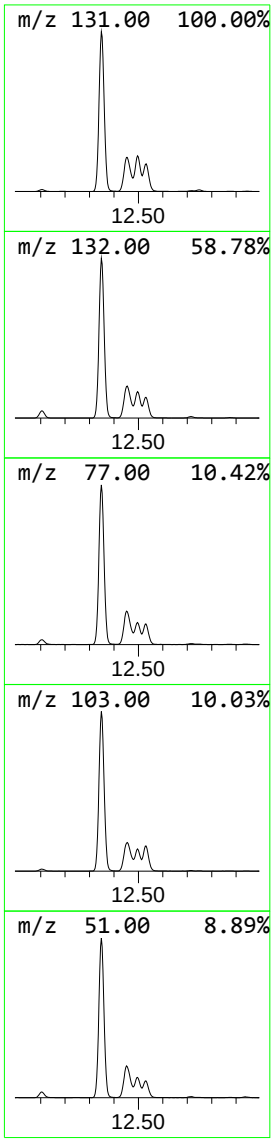
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 1H-Pyrrolo[2,3-b]pyridine, ... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.496 | 7.34 ug/L | 1383700 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Pyrrolo[2,3-b]pyridine, 2-met... | 132 | C8H8N2 | 023612-48-8 | 80 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 76 |
| 3 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 62 |
| 4 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 62 |
| 5 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

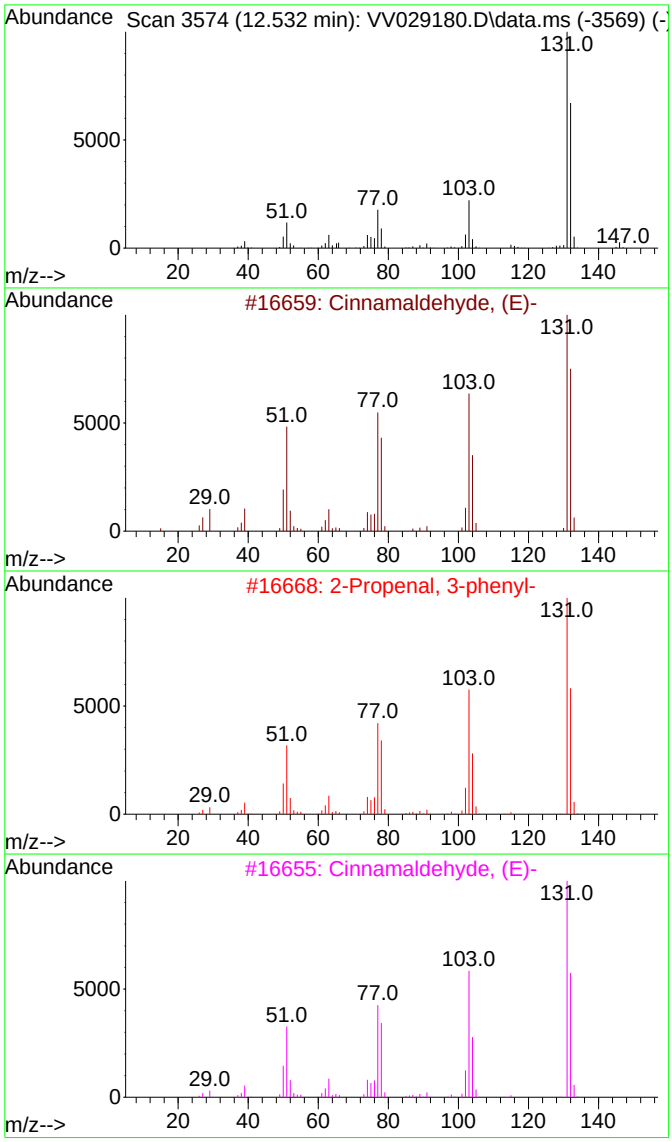
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

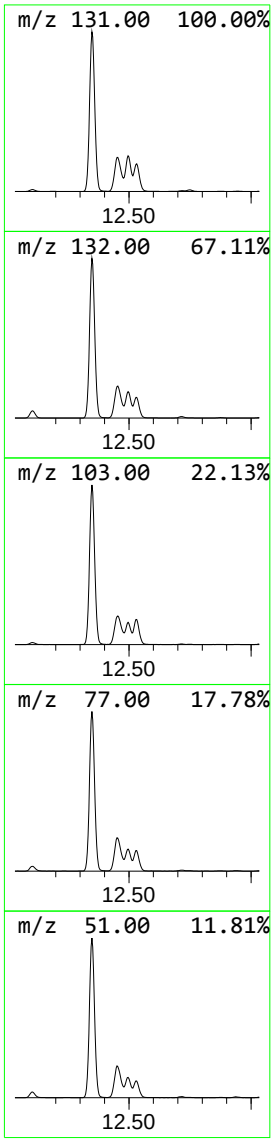
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Cinnamaldehyde, (E)- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.532 | 5.87 ug/L | 1106340 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 91 |
| 2 | 2-Propenal, 3-phenyl- | 132 | C9H8O | 000104-55-2 | 91 |
| 3 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 91 |
| 4 | 2-Propenal, 3-phenyl- | 132 | C9H8O | 000104-55-2 | 90 |
| 5 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

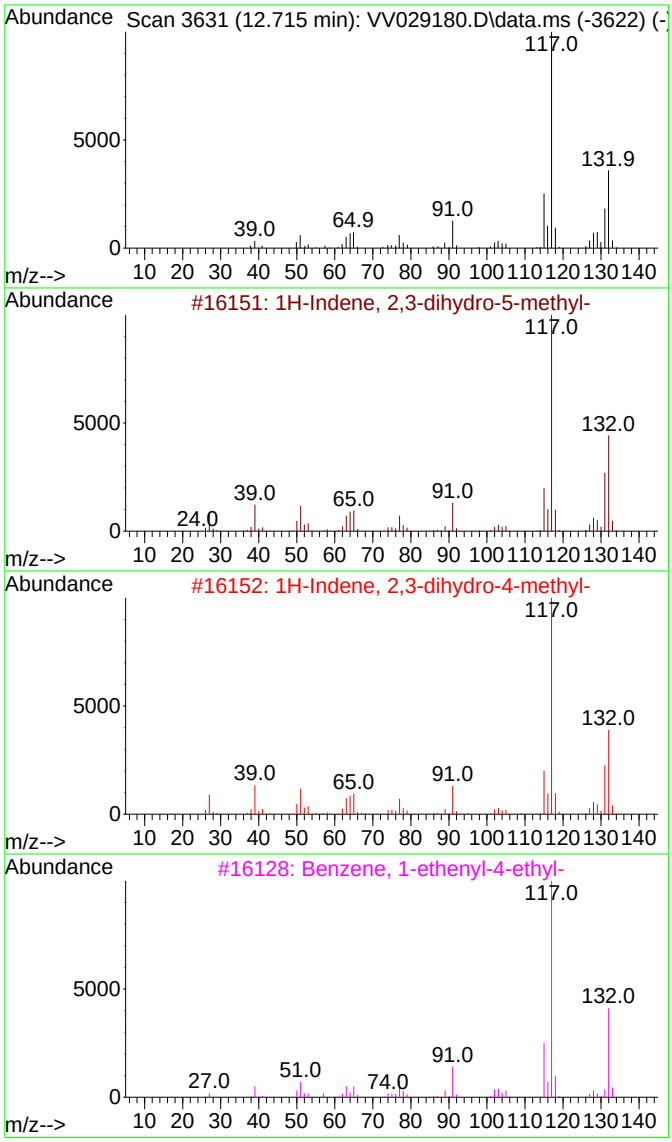
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

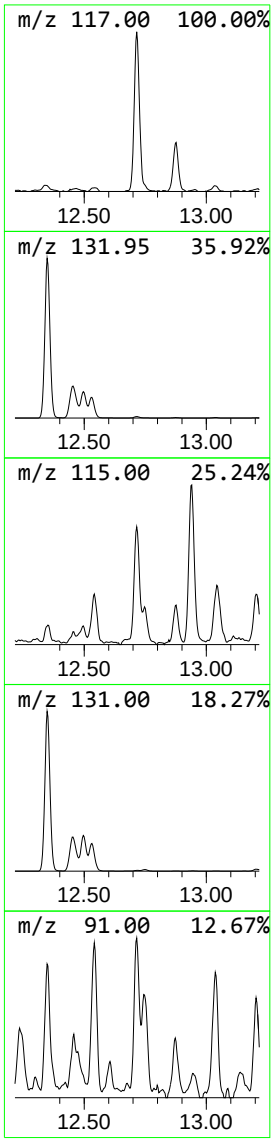
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.715 | 0.78 ug/L | 147478 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 95 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 95 |
| 3 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 94 |
| 4 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 92 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

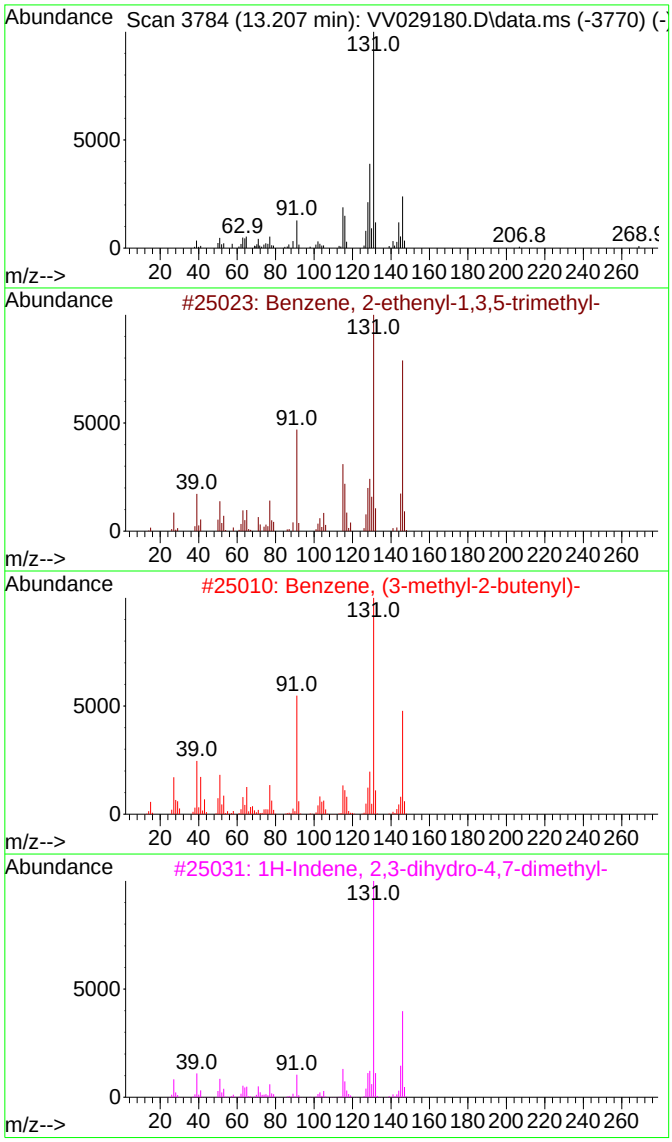
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

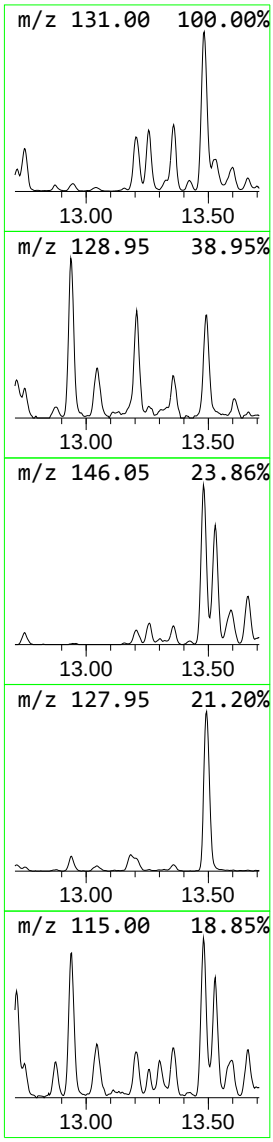
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.207 | 0.58 ug/L | 109138 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 74 |
| 2 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 72 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 68 |
| 4 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 68 |
| 5 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 62 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

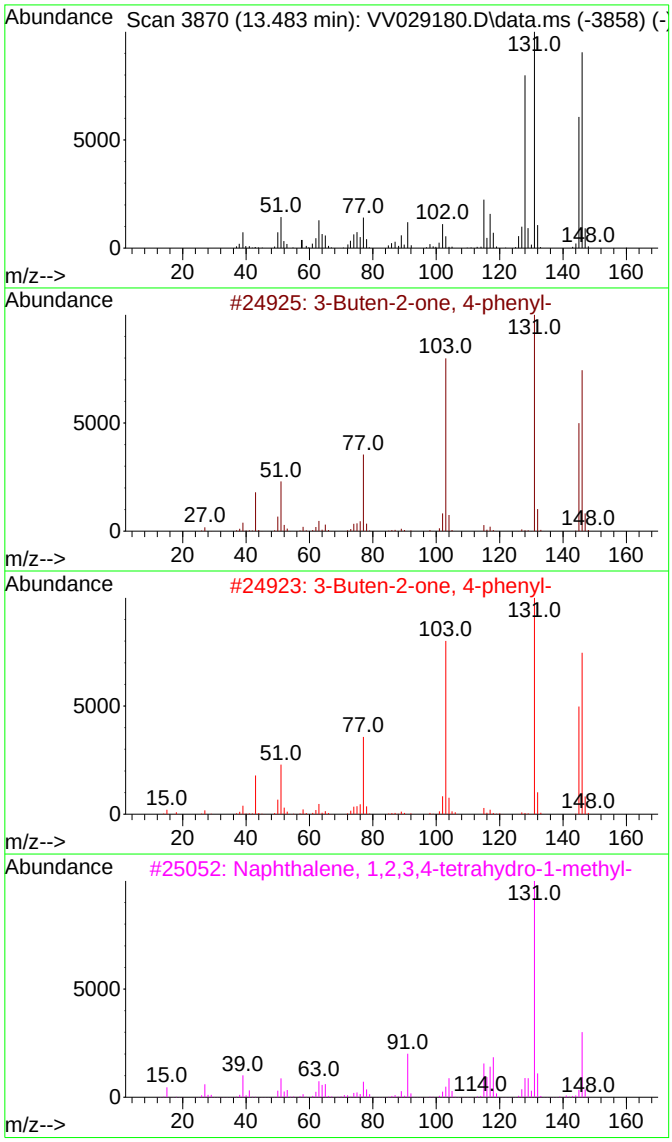
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

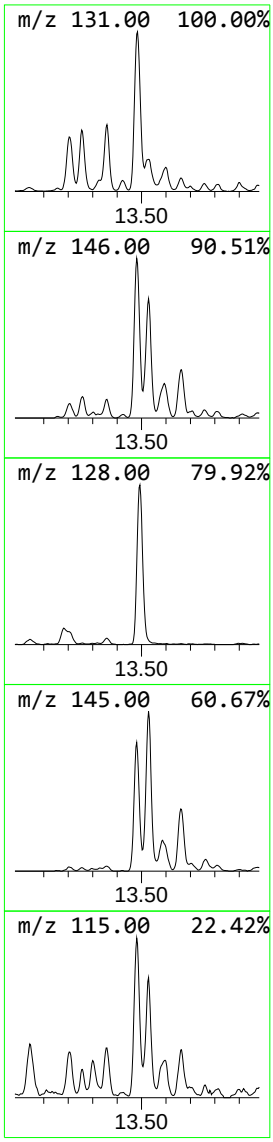
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 3-Buten-2-one, 4-phenyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.483 | 3.04 ug/L | 573095 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Buten-2-one, 4-phenyl- | 146 | C10H10O | 000122-57-6 | 60 |
| 2 | 3-Buten-2-one, 4-phenyl- | 146 | C10H10O | 000122-57-6 | 60 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 49 |
| 4 | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14 | 001075-22-5 | 49 |
| 5 | Benzene, (2-methyl-1-methylenepr... | 146 | C11H14 | 017498-71-4 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

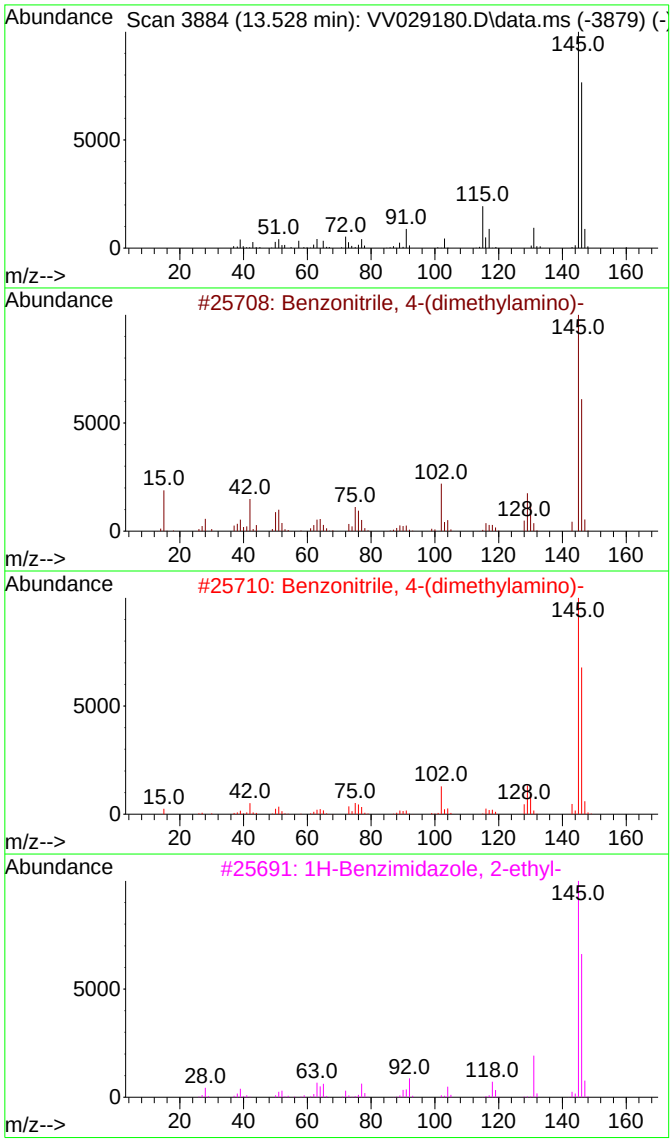
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

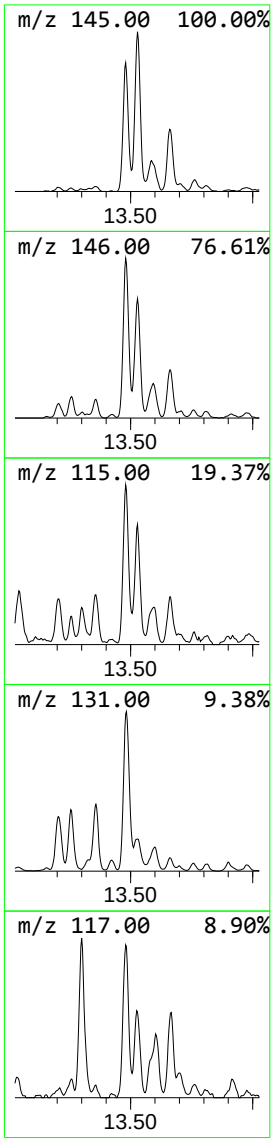
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Benzonitrile, 4-(dimethylam... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.528 | 1.13 ug/L | 212830 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzonitrile, 4-(dimethylamino)- | 146 | C9H10N2 | 001197-19-9 | 64 |
| 2 | Benzonitrile, 4-(dimethylamino)- | 146 | C9H10N2 | 001197-19-9 | 64 |
| 3 | 1H-Benzimidazole, 2-ethyl- | 146 | C9H10N2 | 001848-84-6 | 64 |
| 4 | Benzonitrile, 4-(dimethylamino)- | 146 | C9H10N2 | 001197-19-9 | 64 |
| 5 | 1H-Benzimidazole, 2,5-dimethyl- | 146 | C9H10N2 | 001792-41-2 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

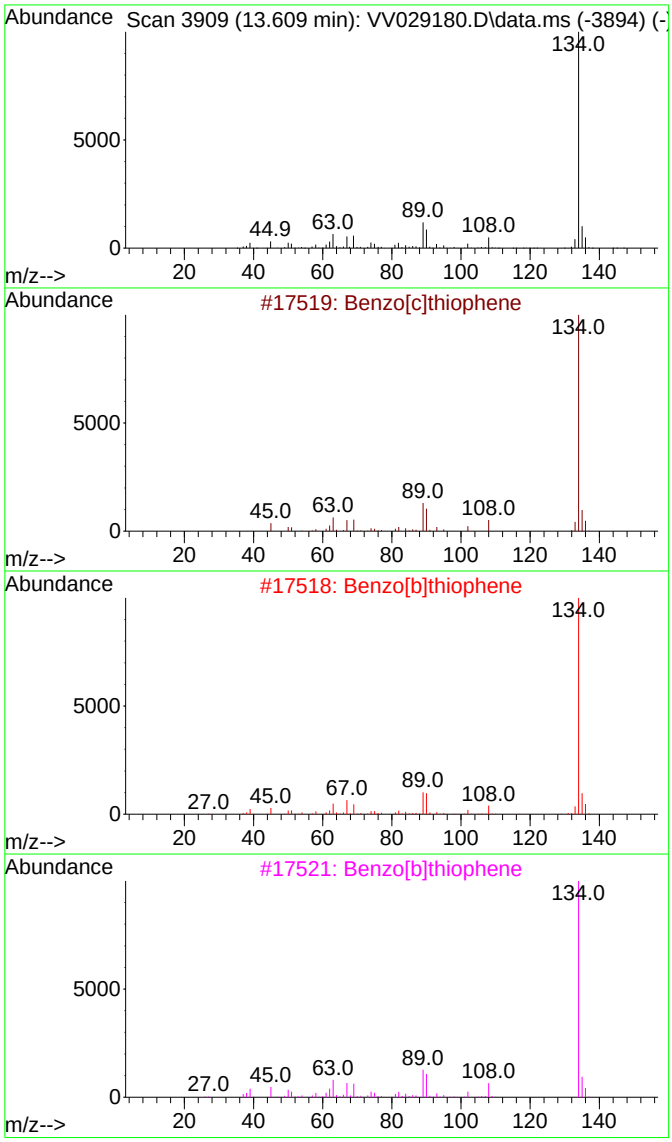
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

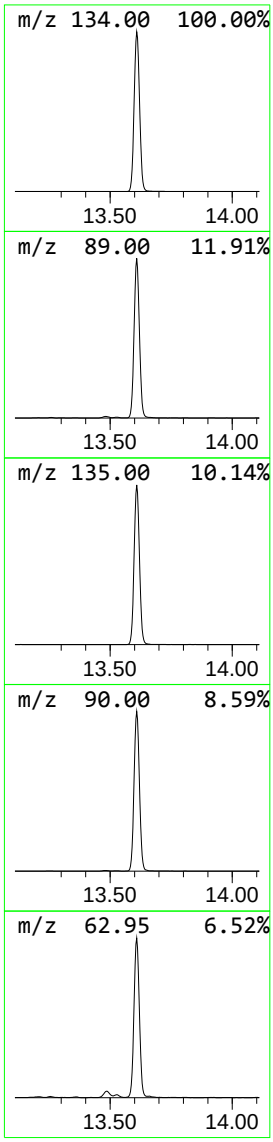
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 Benzo[c]thiophene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.609 | 44.40 ug/L | 8364520 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[c]thiophene | 134 | C8H6S | 000270-82-6 | 97 |
| 2 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 95 |
| 3 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 94 |
| 4 | Cyclopenta[c]thiapyran | 134 | C8H6S | 000270-63-3 | 94 |
| 5 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

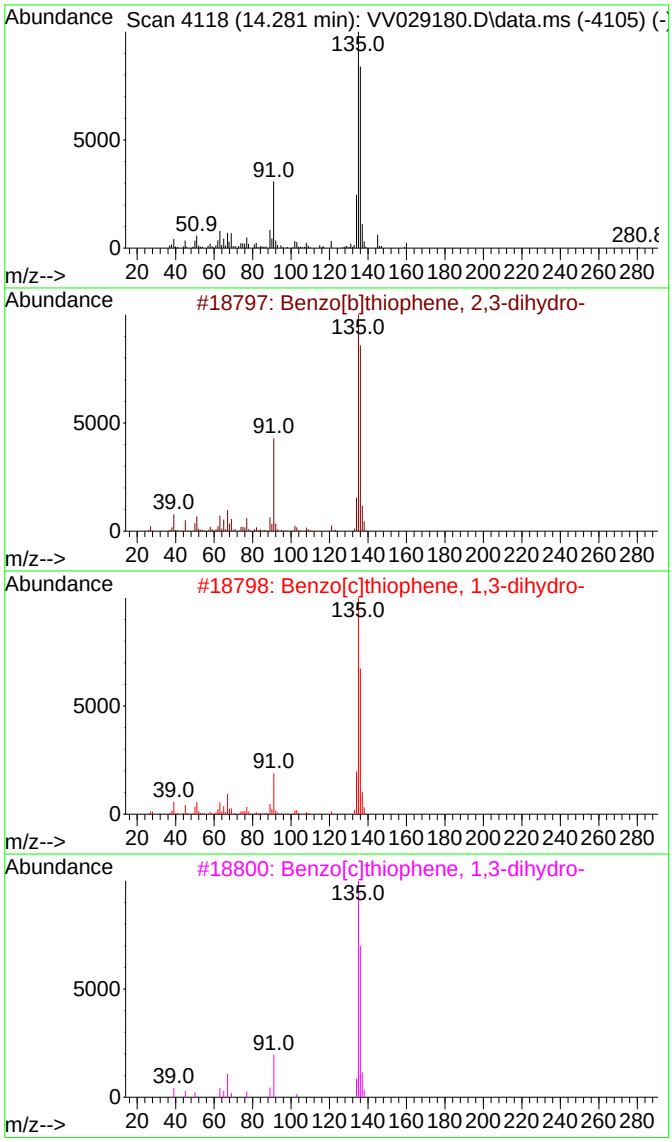
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

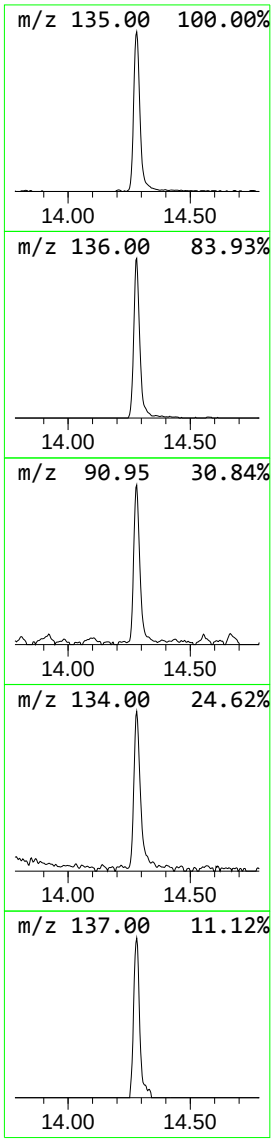
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.281 | 1.13 ug/L | 213082 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene, 2,3-dihydro- | 136 | C8H8S | 004565-32-6 | 90 |
| 2 | Benzo[c]thiophene, 1,3-dihydro- | 136 | C8H8S | 002471-92-3 | 87 |
| 3 | Benzo[c]thiophene, 1,3-dihydro- | 136 | C8H8S | 002471-92-3 | 81 |
| 4 | Benzene, (ethenylthio)- | 136 | C8H8S | 001822-73-7 | 72 |
| 5 | Benzo[b]thiophene, 2,3-dihydro- | 136 | C8H8S | 004565-32-6 | 70 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

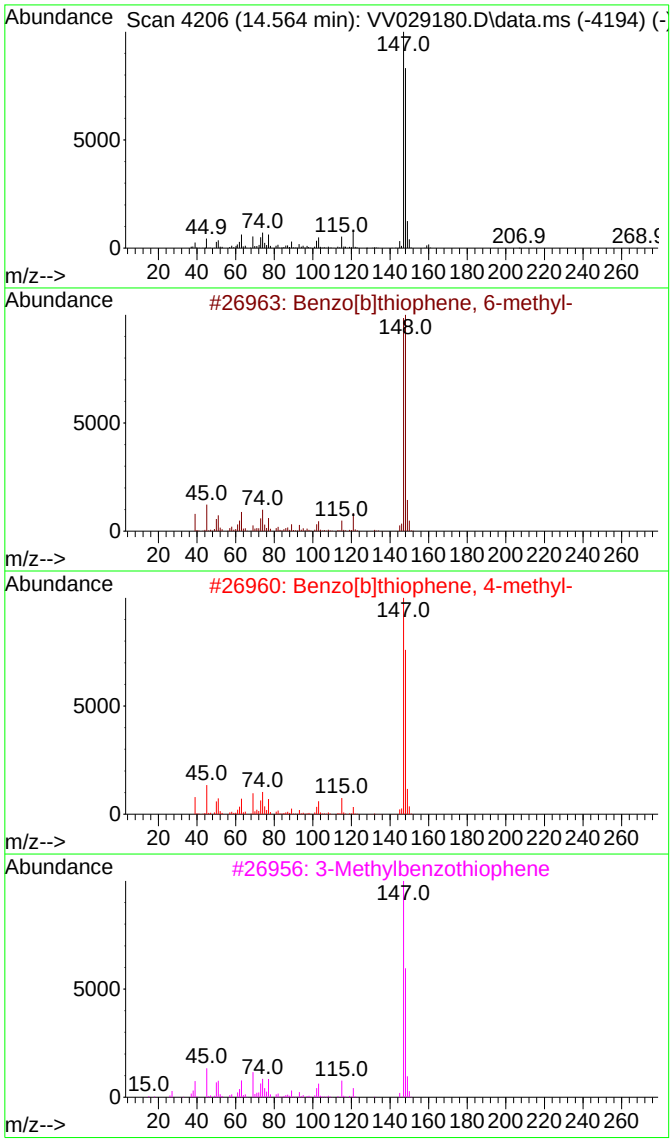
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0

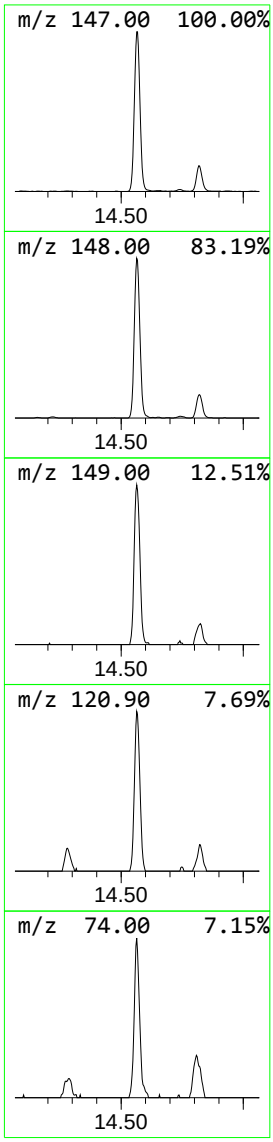
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 Benzo[b]thiophene, 6-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.564 | 2.37 ug/L | 446175 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene, 6-methyl- | 148 | C9H8S | 016587-47-6 | 94 |
| 2 | Benzo[b]thiophene, 4-methyl- | 148 | C9H8S | 014315-11-8 | 91 |
| 3 | 3-Methylbenzothiophene | 148 | C9H8S | 001455-18-1 | 91 |
| 4 | Benzo[b]thiophene, 5-methyl- | 148 | C9H8S | 014315-14-1 | 91 |
| 5 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029180.D
Acq On : 19 Nov 2022 19:01
Operator : SY/MD
Sample : N5694-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHB42

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.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 |
| (DEL) Alkane: S... | 1.108 | 71.5 | ug/L | 10442300 | 1 | 5.612 | 730131 | 5.0 |
| (DEL) Alkane: S... | 1.214 | 6.6 | ug/L | 969118 | 1 | 5.612 | 730131 | 5.0 |
| Sulfur dioxide | 1.378 | 1.7 | ug/L | 250829 | 1 | 5.612 | 730131 | 5.0 |
| Benzene, 1-ethy... | 10.731 | 0.6 | ug/L | 117603 | 3 | 11.239 | 942026 | 5.0 |
| Benzene, 1,2,3-... | 11.326 | 0.6 | ug/L | 111203 | 3 | 11.239 | 942026 | 5.0 |
| Indane | 11.519 | 6.0 | ug/L | 1138960 | 3 | 11.239 | 942026 | 5.0 |
| Indene | 11.734 | 12.9 | ug/L | 2433440 | 3 | 11.239 | 942026 | 5.0 |
| Benzene, 1-prop... | 11.824 | 0.9 | ug/L | 171512 | 3 | 11.239 | 942026 | 5.0 |
| Indan, 1-methyl- | 12.104 | 4.8 | ug/L | 913665 | 3 | 11.239 | 942026 | 5.0 |
| Benzofuran, 7-m... | 12.348 | 41.5 | ug/L | 7809420 | 3 | 11.239 | 942026 | 5.0 |
| Benzofuran, 2-m... | 12.454 | 11.0 | ug/L | 2080130 | 3 | 11.239 | 942026 | 5.0 |
| 1H-Pyrrolo[2,3-... | 12.496 | 7.3 | ug/L | 1383700 | 3 | 11.239 | 942026 | 5.0 |
| Cinnamaldehyde,... | 12.532 | 5.9 | ug/L | 1106340 | 3 | 11.239 | 942026 | 5.0 |
| 1H-Indene, 2,3-... | 12.715 | 0.8 | ug/L | 147478 | 3 | 11.239 | 942026 | 5.0 |
| Benzene, 2-ethe... | 13.207 | 0.6 | ug/L | 109138 | 3 | 11.239 | 942026 | 5.0 |
| 3-Buten-2-one, ... | 13.483 | 3.0 | ug/L | 573095 | 3 | 11.239 | 942026 | 5.0 |
| Benzonitrile, 4... | 13.528 | 1.1 | ug/L | 212830 | 3 | 11.239 | 942026 | 5.0 |
| Benzo[c]thiophene | 13.609 | 44.4 | ug/L | 8364520 | 3 | 11.239 | 942026 | 5.0 |
| Benzo[b]thiophe... | 14.281 | 1.1 | ug/L | 213082 | 3 | 11.239 | 942026 | 5.0 |
| Benzo[b]thiophe... | 14.564 | 2.4 | ug/L | 446175 | 3 | 11.239 | 942026 | 5.0 |