LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

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\SFAMUTR061422WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU049334.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.597 | 73 | 80 | 89 | rBV | 56174 | 61399 | 3.91% | 0.502% |
| 2 | 1.912 | 170 | 178 | 194 | rVB | 46074 | 60491 | 3.85% | 0.495% |
| 3 | 2.568 | 367 | 382 | 396 | rBV | 80582 | 133632 | 8.51% | 1.093% |
| 4 | 3.996 | 808 | 826 | 844 | rBV2 | 46451 | 121460 | 7.74% | 0.993% |
| 5 | 4.530 | 976 | 992 | 1009 | rBV2 | 14749 | 35069 | 2.23% | 0.287% |
| 6 | 4.633 | 1011 | 1024 | 1056 | rBV | 91078 | 262972 | 16.75% | 2.151% |
| 7 | 5.063 | 1143 | 1158 | 1181 | rBV2 | 86461 | 190830 | 12.15% | 1.561% |
| 8 | 5.388 | 1244 | 1259 | 1276 | rBV2 | 46433 | 106615 | 6.79% | 0.872% |
| 9 | 5.726 | 1344 | 1364 | 1371 | rBV2 | 171890 | 433648 | 27.62% | 3.546% |
| 10 | 5.774 | 1371 | 1379 | 1396 | rVB | 287277 | 586491 | 37.35% | 4.796% |
| 11 | 6.250 | 1513 | 1527 | 1547 | rBV | 173716 | 332478 | 21.17% | 2.719% |
| 12 | 6.690 | 1651 | 1664 | 1676 | rBV2 | 112176 | 220337 | 14.03% | 1.802% |
| 13 | 6.764 | 1676 | 1687 | 1705 | rVB | 66711 | 136737 | 8.71% | 1.118% |
| 14 | 7.568 | 1925 | 1937 | 1950 | rBV | 54748 | 100185 | 6.38% | 0.819% |
| 15 | 7.899 | 2029 | 2040 | 2053 | rVB | 190852 | 332551 | 21.18% | 2.720% |
| 16 | 7.970 | 2054 | 2062 | 2074 | rVB2 | 15522 | 27013 | 1.72% | 0.221% |
| 17 | 8.182 | 2117 | 2128 | 2138 | rBV2 | 32218 | 56083 | 3.57% | 0.459% |
| 18 | 8.243 | 2138 | 2147 | 2159 | rVB4 | 8843 | 16840 | 1.07% | 0.138% |
| 19 | 8.636 | 2255 | 2269 | 2308 | rBV2 | 298881 | 603327 | 38.42% | 4.934% |
| 20 | 9.417 | 2495 | 2512 | 2527 | rBV | 238334 | 394469 | 25.12% | 3.226% |
| 21 | 9.571 | 2550 | 2560 | 2579 | rVB | 20632 | 32801 | 2.09% | 0.268% |
| 22 | 9.690 | 2583 | 2597 | 2626 | rBV | 988599 | 1570163 | 100.00% | 12.841% |
| 23 | 10.484 | 2832 | 2844 | 2858 | rBV | 74550 | 115020 | 7.33% | 0.941% |
| 24 | 10.758 | 2915 | 2929 | 2943 | rBV | 90566 | 146841 | 9.35% | 1.201% |
| 25 | 10.906 | 2963 | 2975 | 2986 | rBV2 | 29062 | 45842 | 2.92% | 0.375% |
| 26 | 10.999 | 2995 | 3004 | 3021 | rVB3 | 9575 | 15881 | 1.01% | 0.130% |
| 27 | 11.291 | 3083 | 3095 | 3107 | rBV | 53393 | 82543 | 5.26% | 0.675% |
| 28 | 11.468 | 3137 | 3150 | 3170 | rVB | 301364 | 466451 | 29.71% | 3.815% |
| 29 | 11.812 | 3243 | 3257 | 3272 | rBV | 252570 | 410410 | 26.14% | 3.356% |
| 30 | 11.893 | 3272 | 3282 | 3295 | rVB | 80770 | 126161 | 8.03% | 1.032% |
| 31 | 12.095 | 3329 | 3345 | 3362 | rBV2 | 115367 | 198395 | 12.64% | 1.622% |
| 32 | 12.192 | 3362 | 3375 | 3392 | rVB4 | 264903 | 477309 | 30.40% | 3.903% |
| 33 | 12.301 | 3399 | 3409 | 3419 | rBV3 | 17002 | 25013 | 1.59% | 0.205% |
| 34 | 12.375 | 3422 | 3432 | 3445 | rVB | 36521 | 55602 | 3.54% | 0.455% |
| 35 | 12.465 | 3449 | 3460 | 3465 | rBV | 147865 | 242537 | 15.45% | 1.983% |
| 36 | 12.494 | 3466 | 3469 | 3481 | rVV | 149703 | 192097 | 12.23% | 1.571% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

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\SFAMUTR061422WMA.M
Title : TRACE VOA SFAM1.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.571 | 3481 | 3493 | 3502 | rVV | 366191 | 554633 | 35.32% | 4.536% |
| 38 | 12.610 | 3502 | 3505 | 3516 | rVB | 27646 | 34555 | 2.20% | 0.283% |
| 39 | 12.680 | 3516 | 3527 | 3546 | rBV2 | 75597 | 156239 | 9.95% | 1.278% |
| 40 | 12.877 | 3576 | 3588 | 3599 | rVB | 61998 | 96843 | 6.17% | 0.792% |
| 41 | 12.973 | 3602 | 3618 | 3626 | rBV | 349619 | 531864 | 33.87% | 4.350% |
| 42 | 13.025 | 3626 | 3634 | 3650 | rVB | 634717 | 957552 | 60.98% | 7.831% |
| 43 | 13.105 | 3650 | 3659 | 3666 | rBV3 | 13823 | 22006 | 1.40% | 0.180% |
| 44 | 13.295 | 3701 | 3718 | 3728 | rBV | 133024 | 204223 | 13.01% | 1.670% |
| 45 | 13.407 | 3743 | 3753 | 3756 | rBV3 | 22606 | 32871 | 2.09% | 0.269% |
| 46 | 13.452 | 3756 | 3767 | 3793 | rVV4 | 479407 | 857320 | 54.60% | 7.011% |
| 47 | 13.561 | 3793 | 3801 | 3811 | rVV | 14269 | 22010 | 1.40% | 0.180% |
| 48 | 13.623 | 3811 | 3820 | 3832 | rVB3 | 21644 | 34920 | 2.22% | 0.286% |
| 49 | 13.832 | 3876 | 3885 | 3891 | rBV2 | 25821 | 42711 | 2.72% | 0.349% |
| 50 | 13.960 | 3915 | 3925 | 3936 | rVB4 | 10255 | 18536 | 1.18% | 0.152% |
| 51 | 14.086 | 3952 | 3964 | 3984 | rBV | 146824 | 245813 | 15.66% | 2.010% |

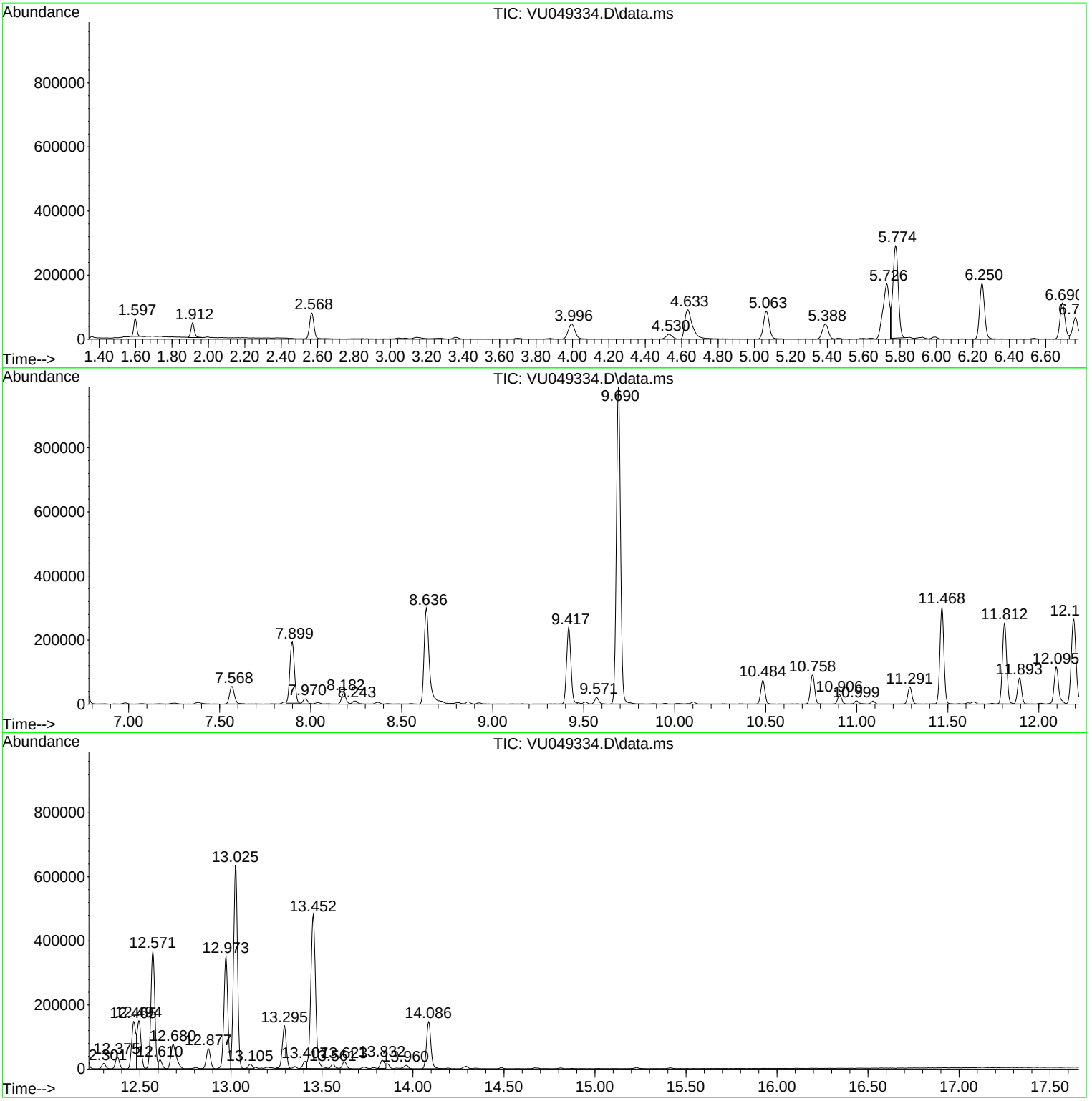
Sum of corrected areas: 12227789

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.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\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

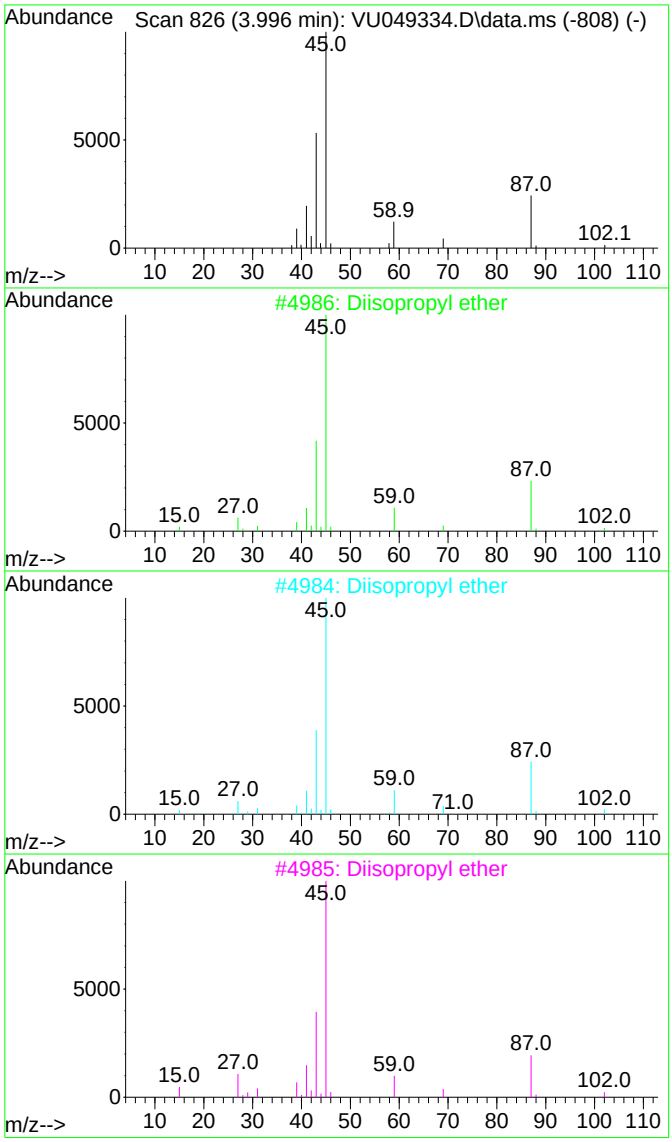
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

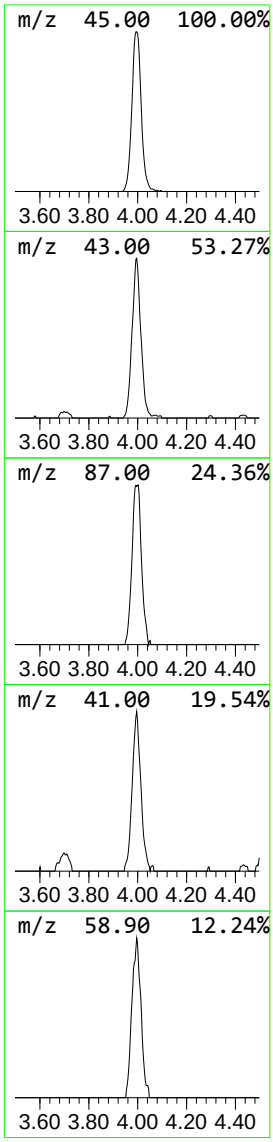
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Diisopropyl ether Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.996 | 1.83 ug/L | 121460 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 91 |
| 2 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 86 |
| 3 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 83 |
| 4 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 83 |
| 5 | Ether, 2-chloro-1-methylethyl is... | 136 | C6H13ClO | 098277-76-0 | 78 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

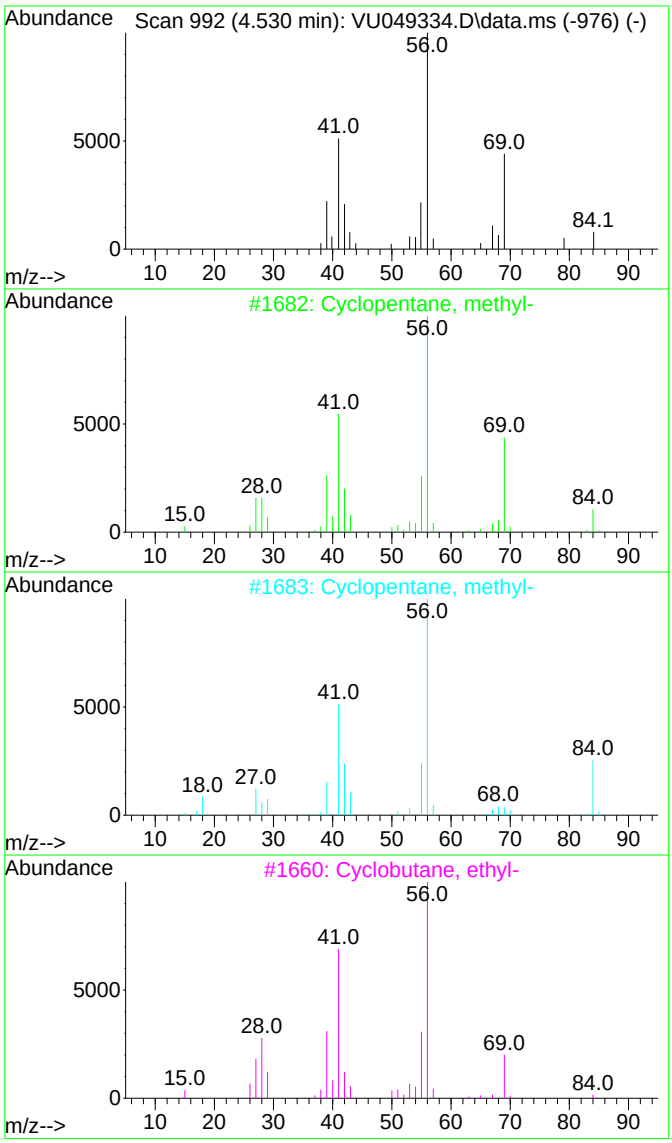
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

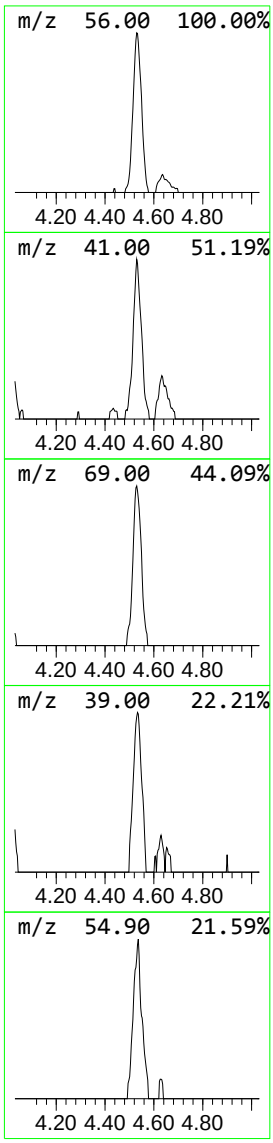
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Cyclic4.530 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.530 | 0.53 ug/L | 35069 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 87 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 64 |
| 3 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 59 |
| 4 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 59 |
| 5 | Cyclobutane | 56 | C4H8 | 000287-23-0 | 52 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

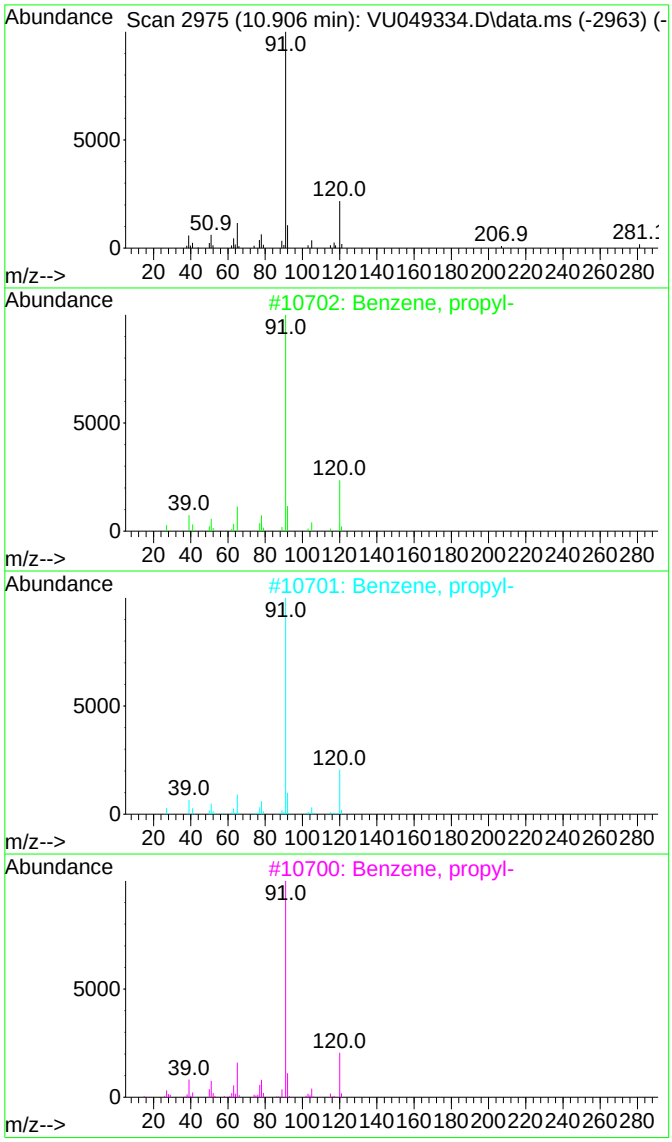
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

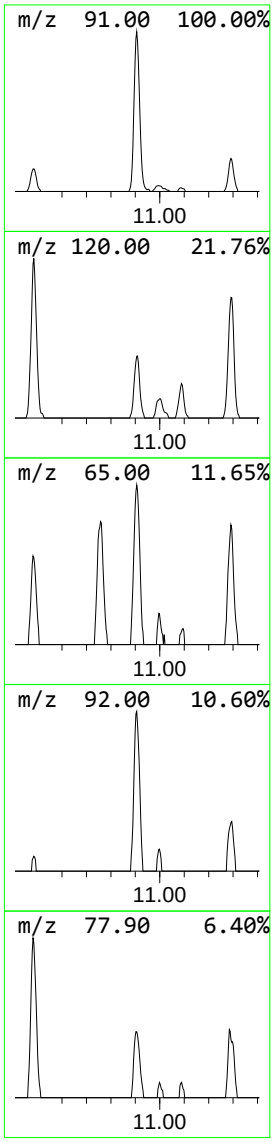
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Benzene, propyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.906 | 0.56 ug/L | 45842 | 1,4-Dichlorobenzene-d4 | 11.812 |

| 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 | 90 |
| 3 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 90 |
| 4 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 80 |
| 5 | 1,2-Ethanediamine, N,N'-bis(phen... | 240 | C16H20N2 | 000140-28-3 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

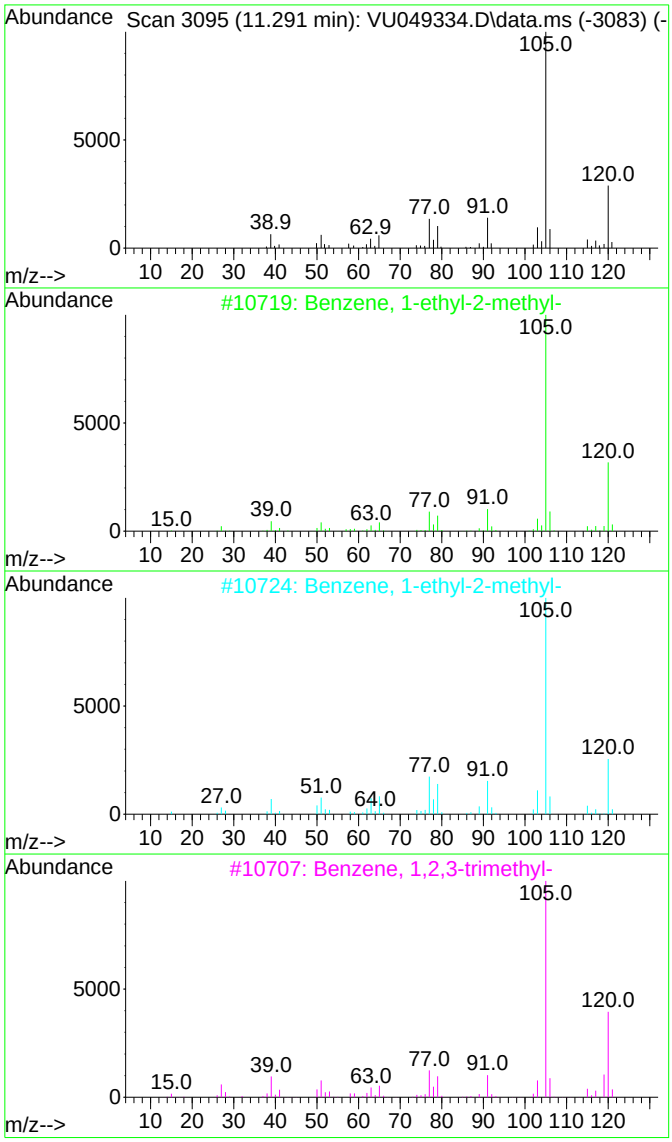
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

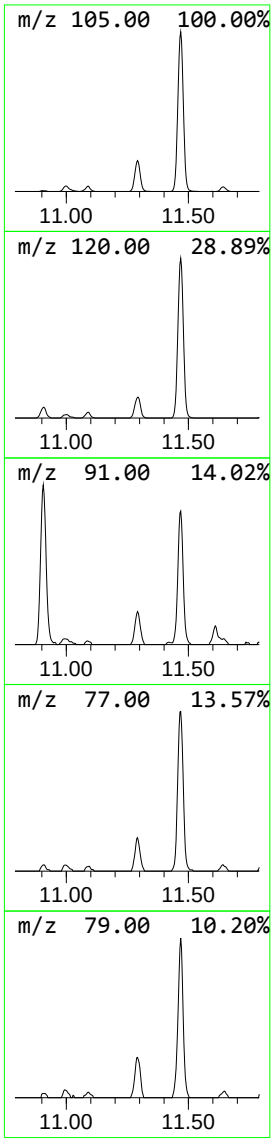
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.291 | 1.01 ug/L | 82543 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

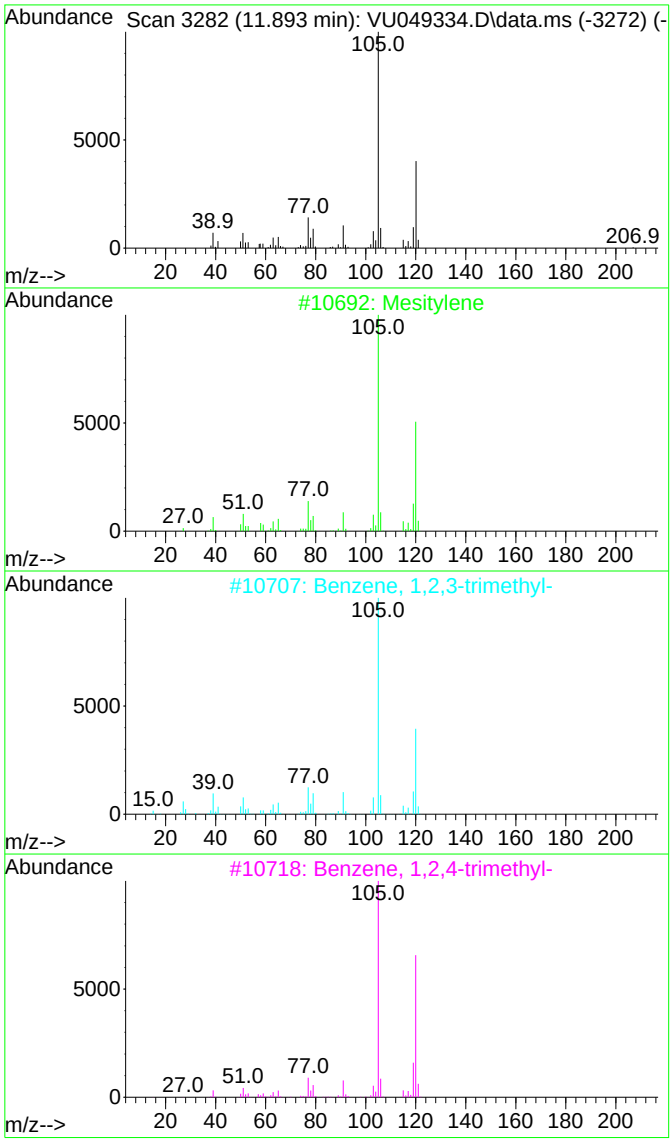
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

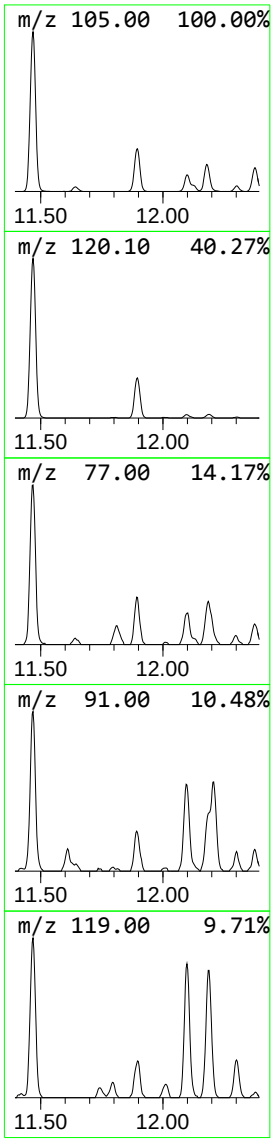
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.893 | 1.54 ug/L | 126161 | 1,4-Dichlorobenzene-d4 | 11.812 |

| 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, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 5 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 93 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

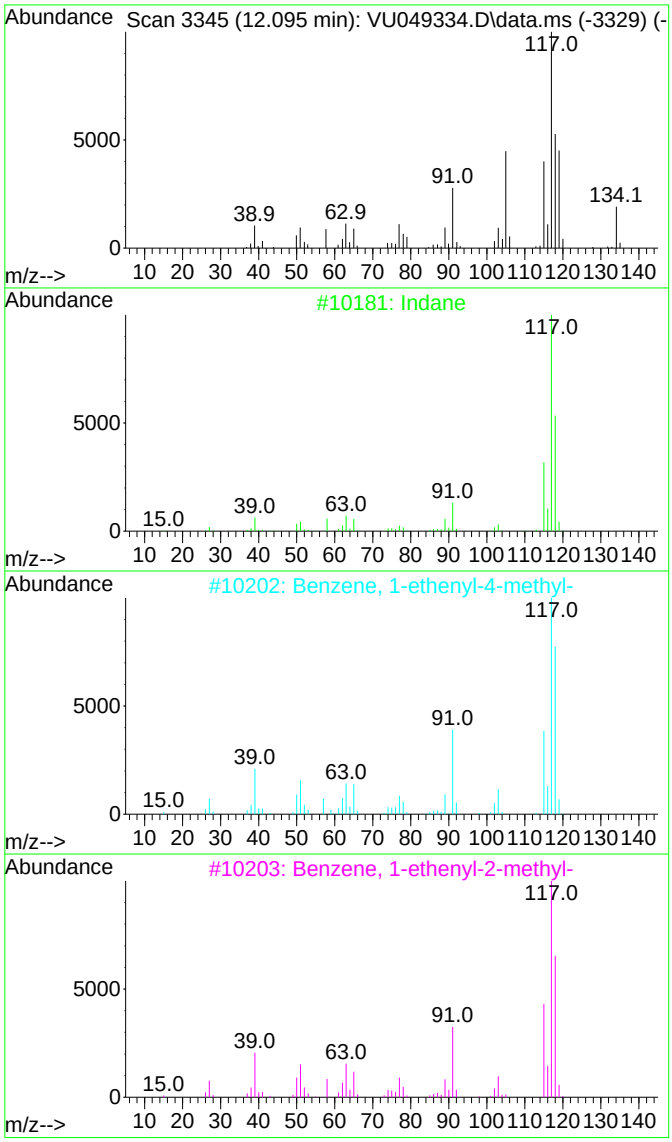
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

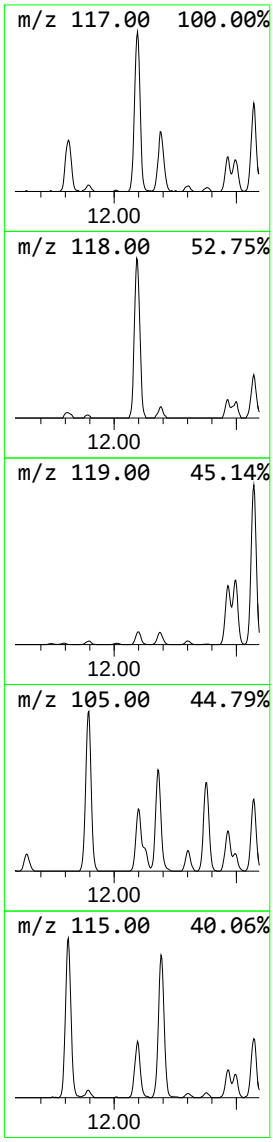
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Indane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.095 | 2.42 ug/L | 198395 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 91 |
| 2 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 86 |
| 3 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 83 |
| 4 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 80 |
| 5 | Indane | 118 | C9H10 | 000496-11-7 | 60 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

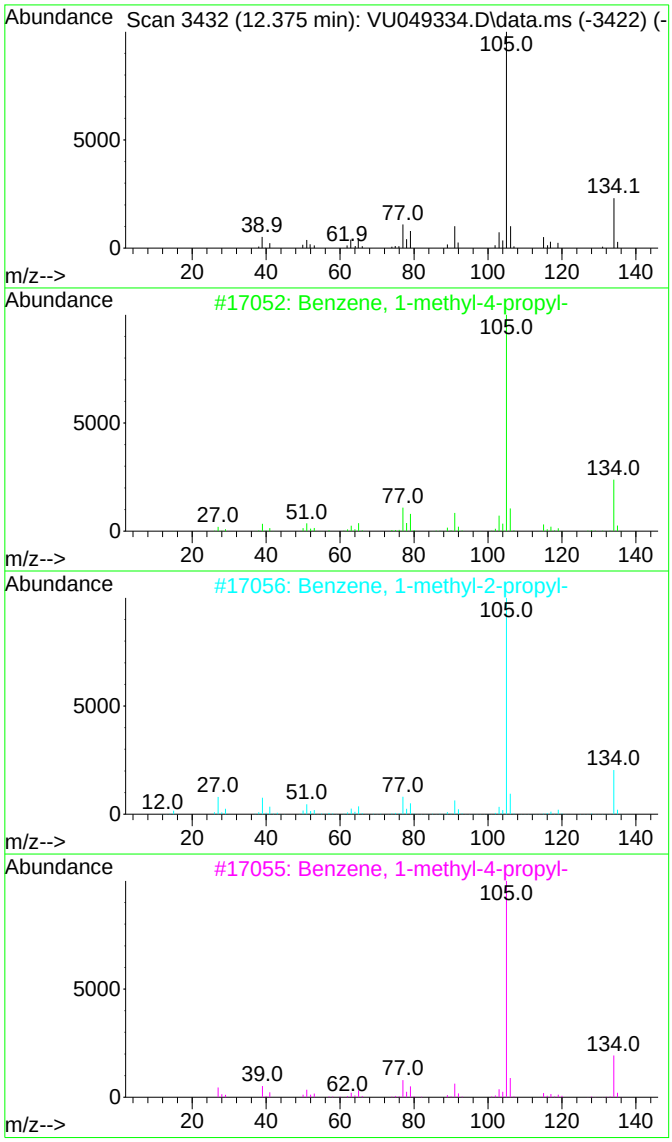
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

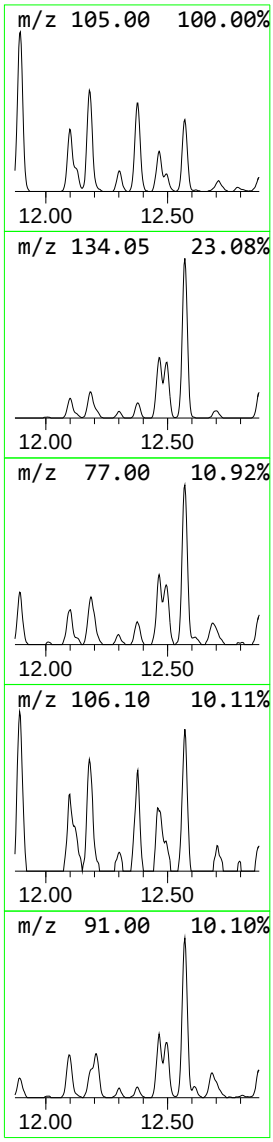
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Benzene, 1-methyl-4-propyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.375 | 0.68 ug/L | 55602 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 95 |
| 2 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 91 |
| 3 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 91 |
| 4 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 91 |
| 5 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

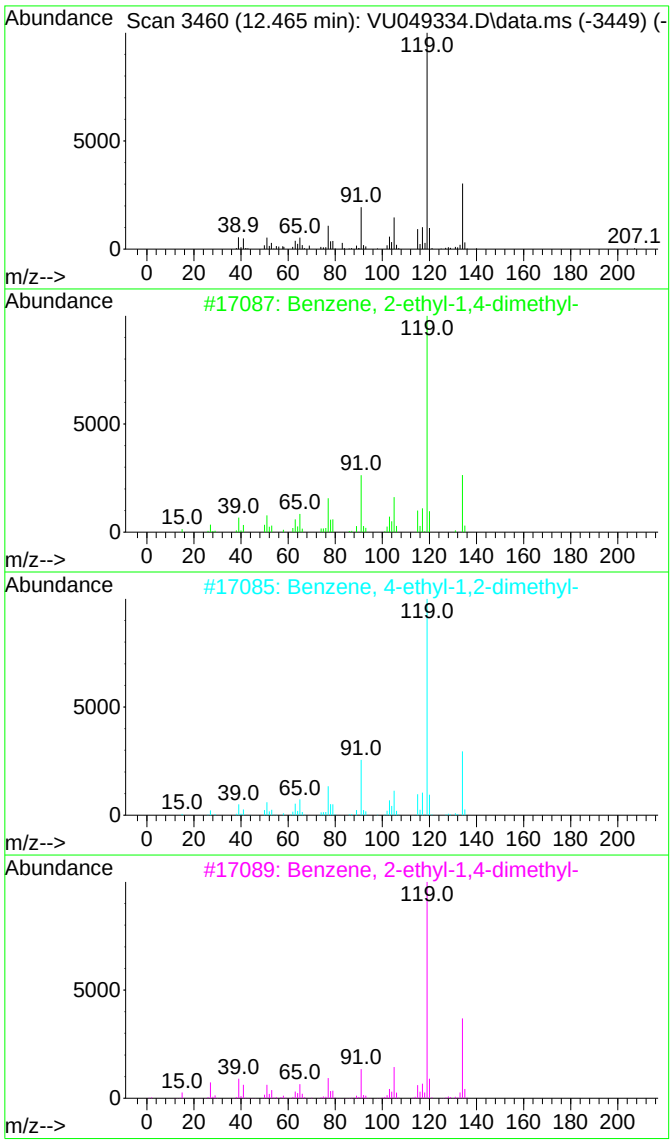
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

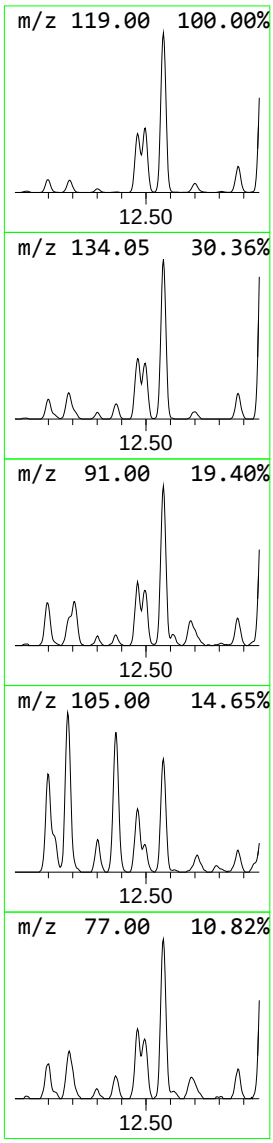
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.465 | 2.95 ug/L | 242537 | 1,4-Dichlorobenzene-d4 | 11.812 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

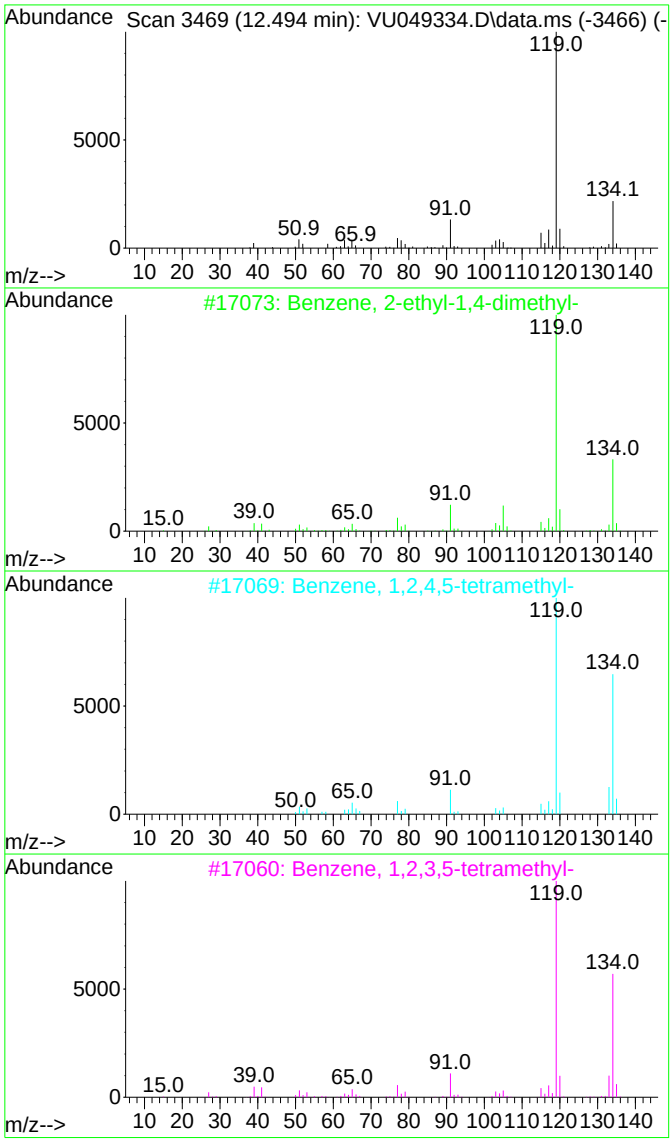
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

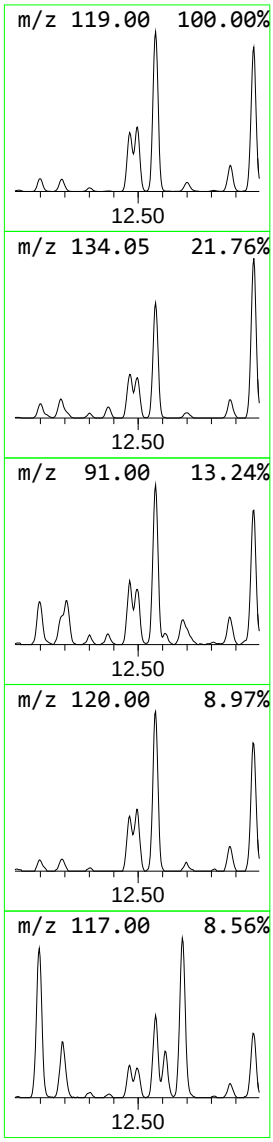
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.494 | 2.34 ug/L | 192097 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 91 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 91 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 91 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

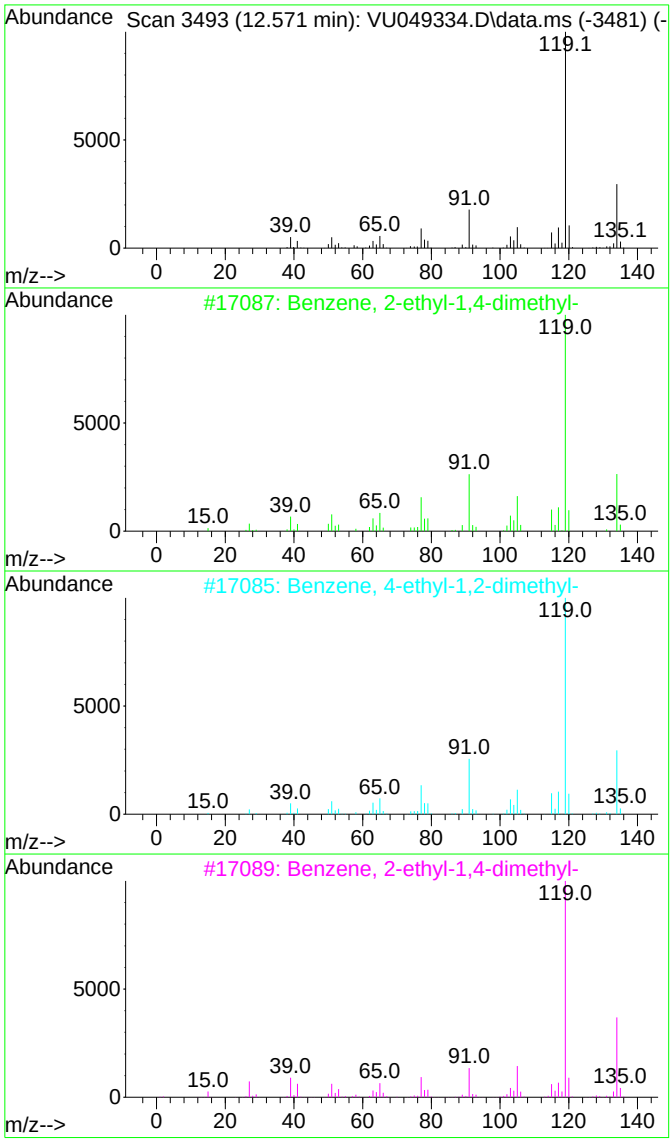
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

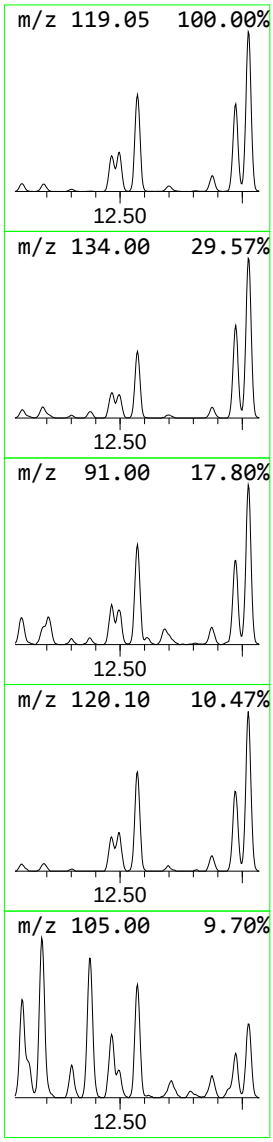
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.571 | 6.76 ug/L | 554633 | 1,4-Dichlorobenzene-d4 | 11.812 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

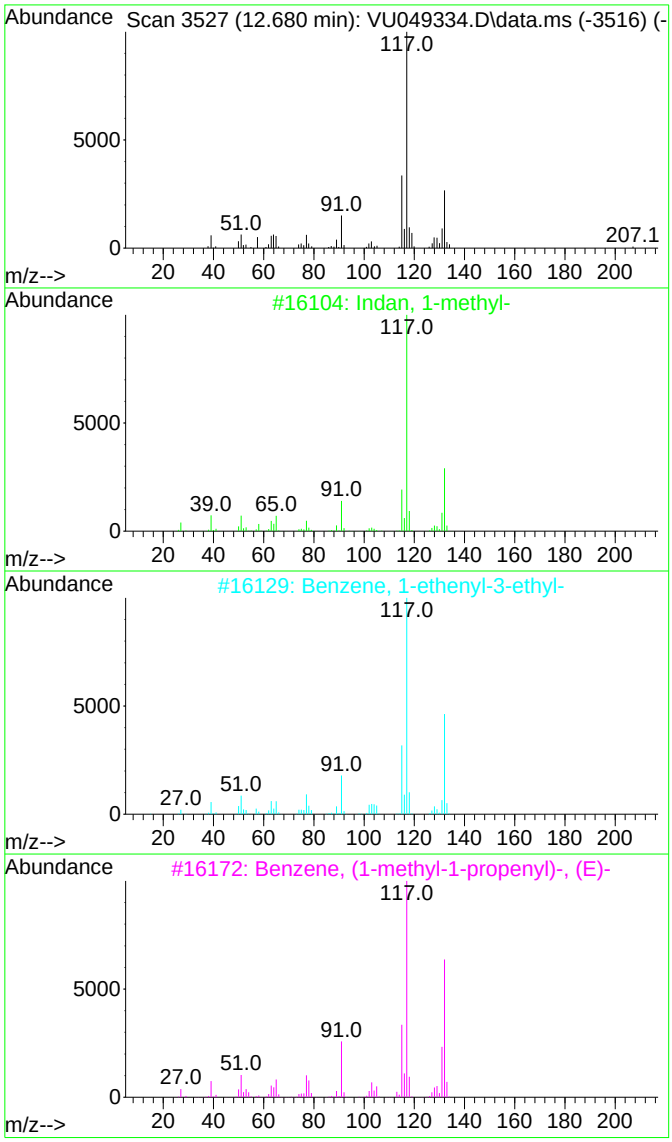
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

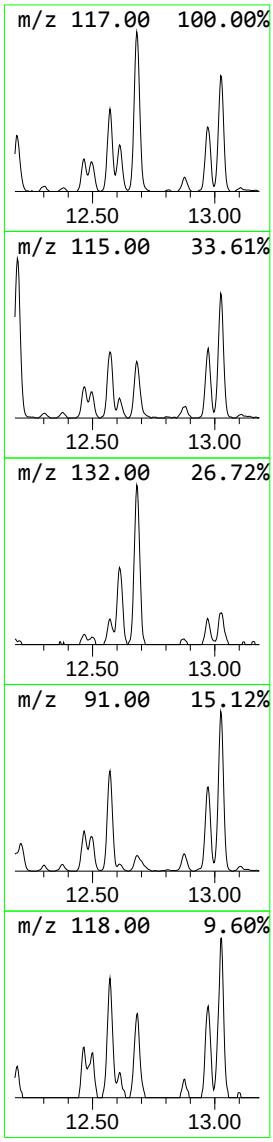
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Indan, 1-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.681 | 1.90 ug/L | 156239 | 1,4-Dichlorobenzene-d4 | 11.812 |

| 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 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 83 |
| 4 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 81 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

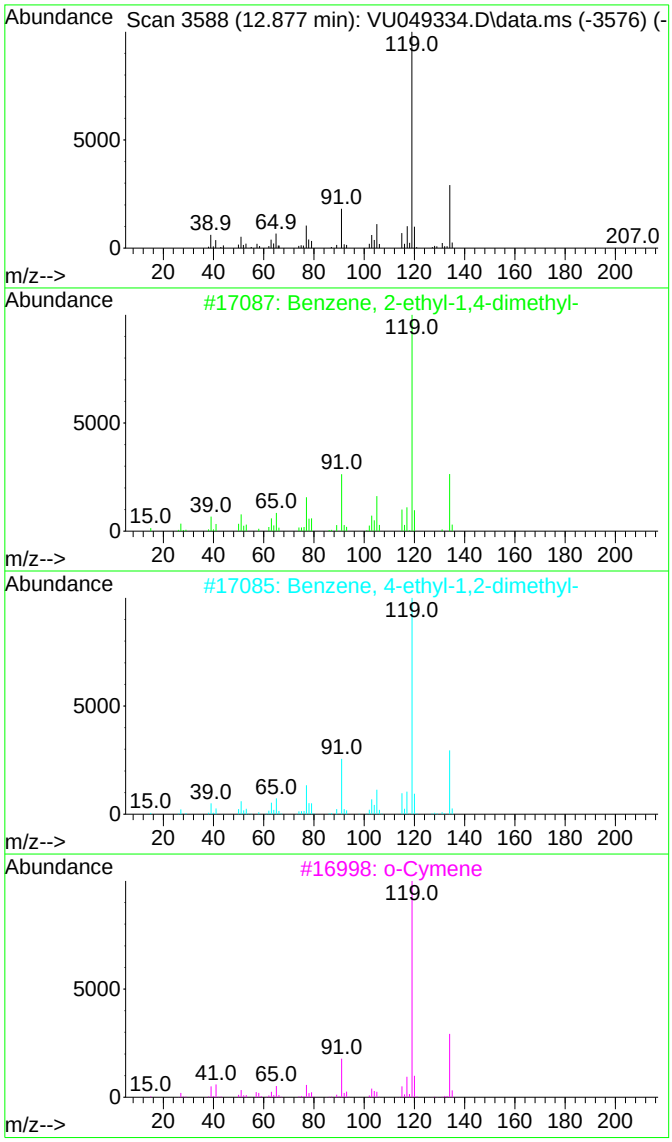
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

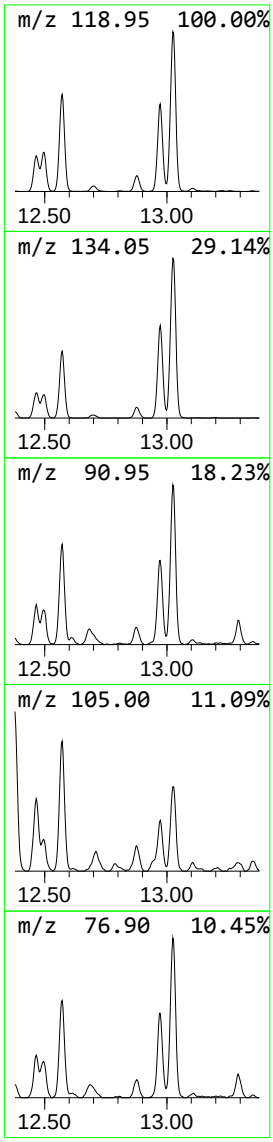
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 o-Cymene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.877 | 1.18 ug/L | 96843 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

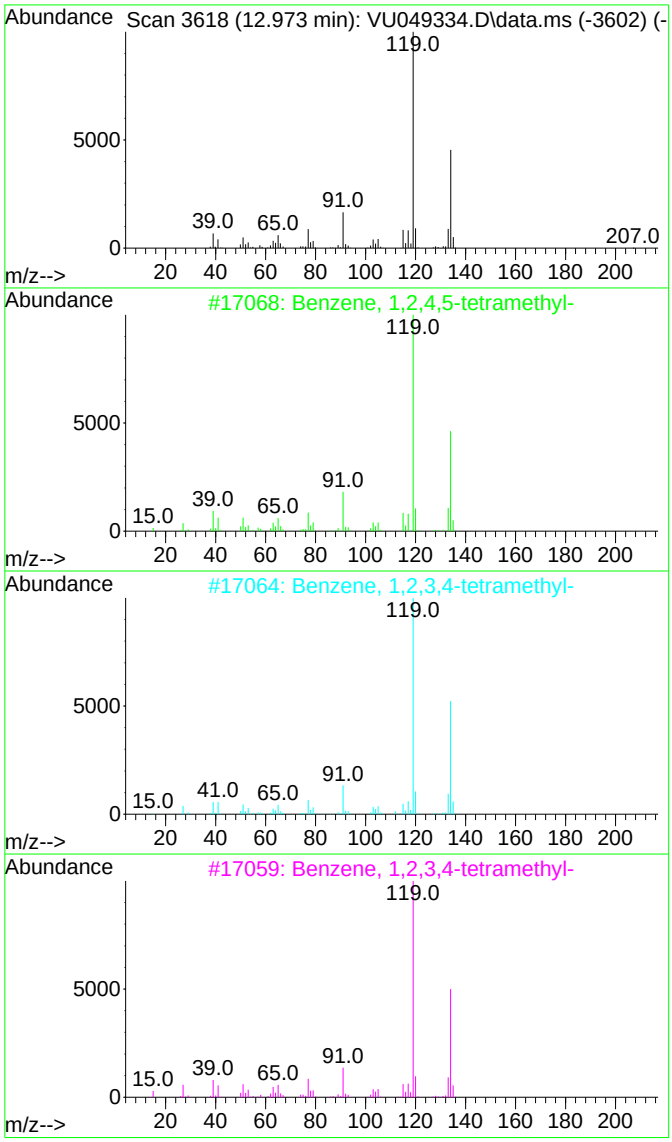
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

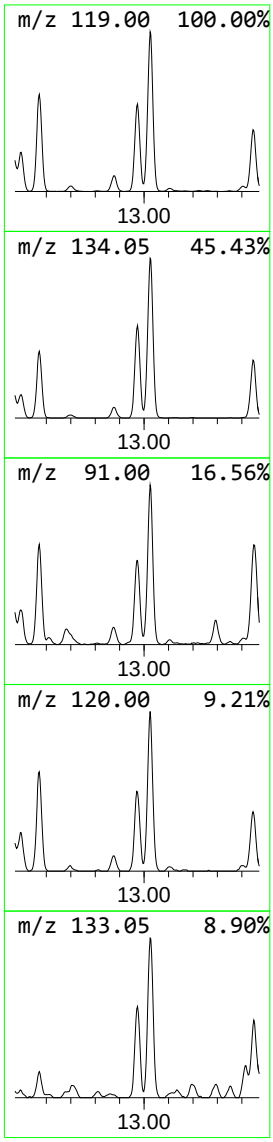
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.973 | 6.48 ug/L | 531864 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 4 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 96 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

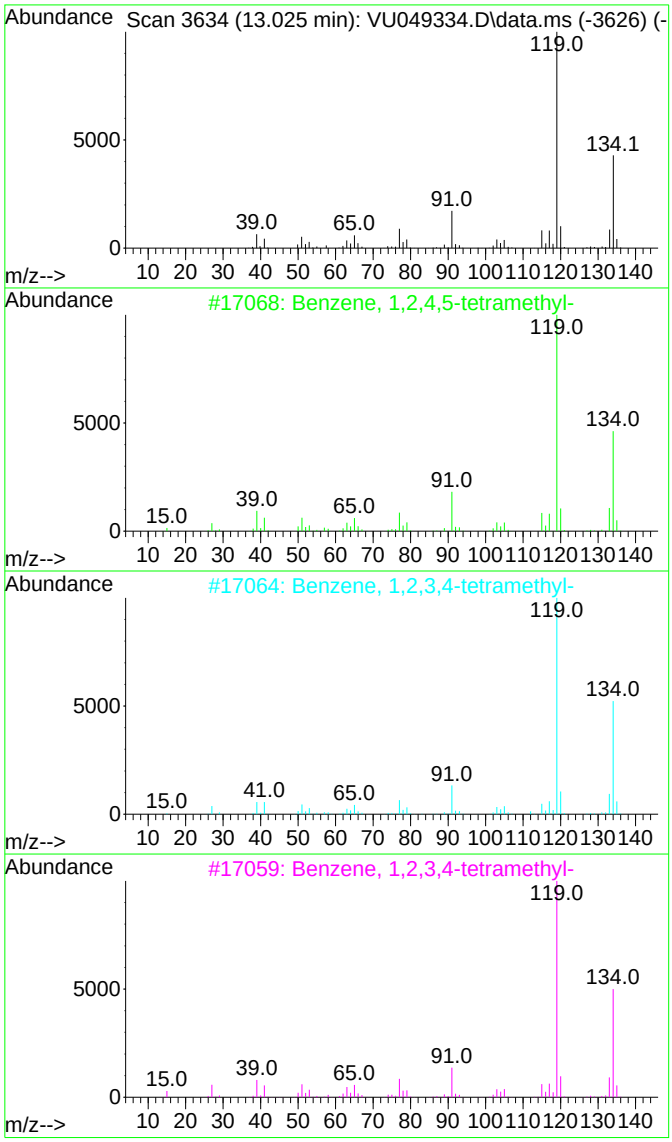
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

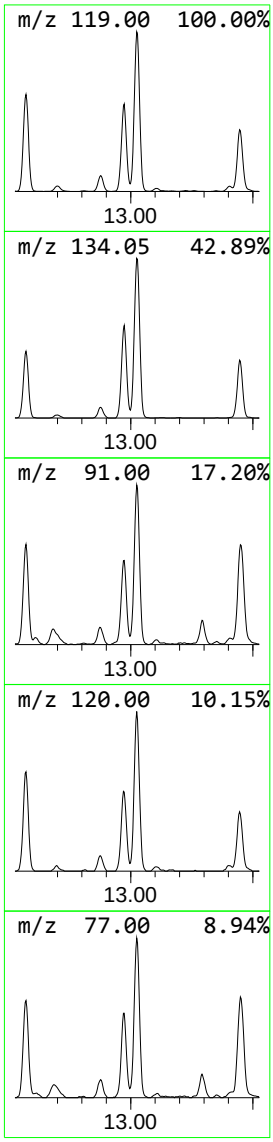
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.025 | 11.67 ug/L | 957552 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 96 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

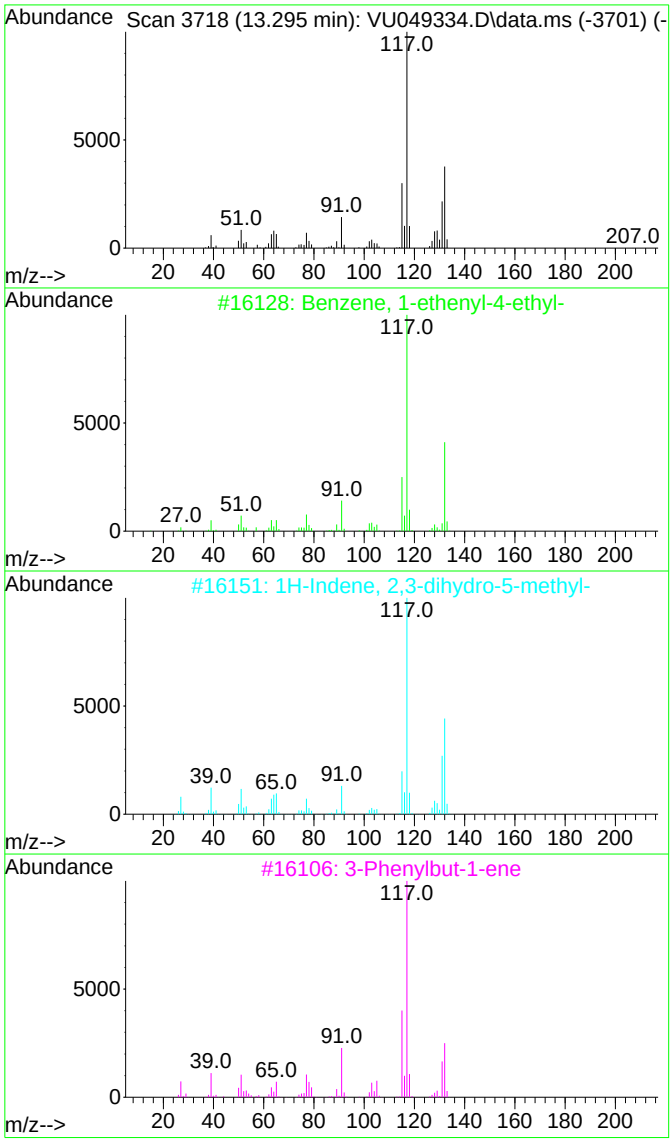
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

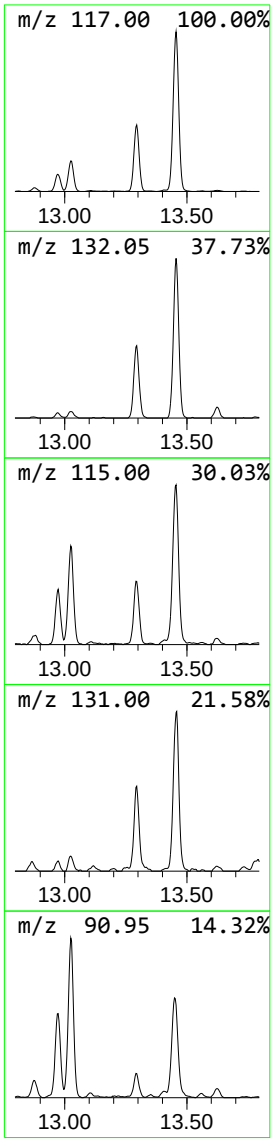
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.295 | 2.49 ug/L | 204223 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 93 |
| 3 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 90 |
| 4 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

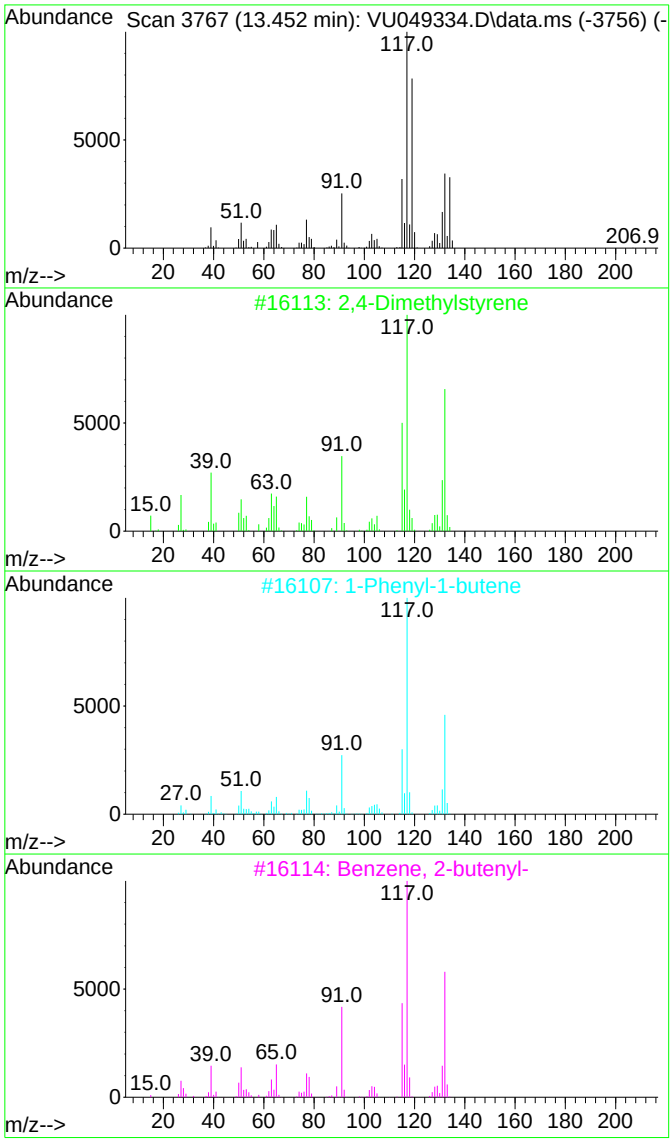
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

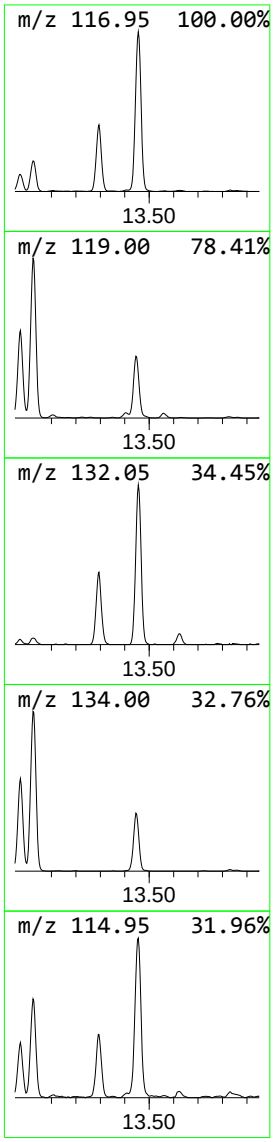
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 2,4-Dimethylstyrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.452 | 10.44 ug/L | 857320 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 94 |
| 2 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 92 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 90 |
| 4 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |
| 5 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

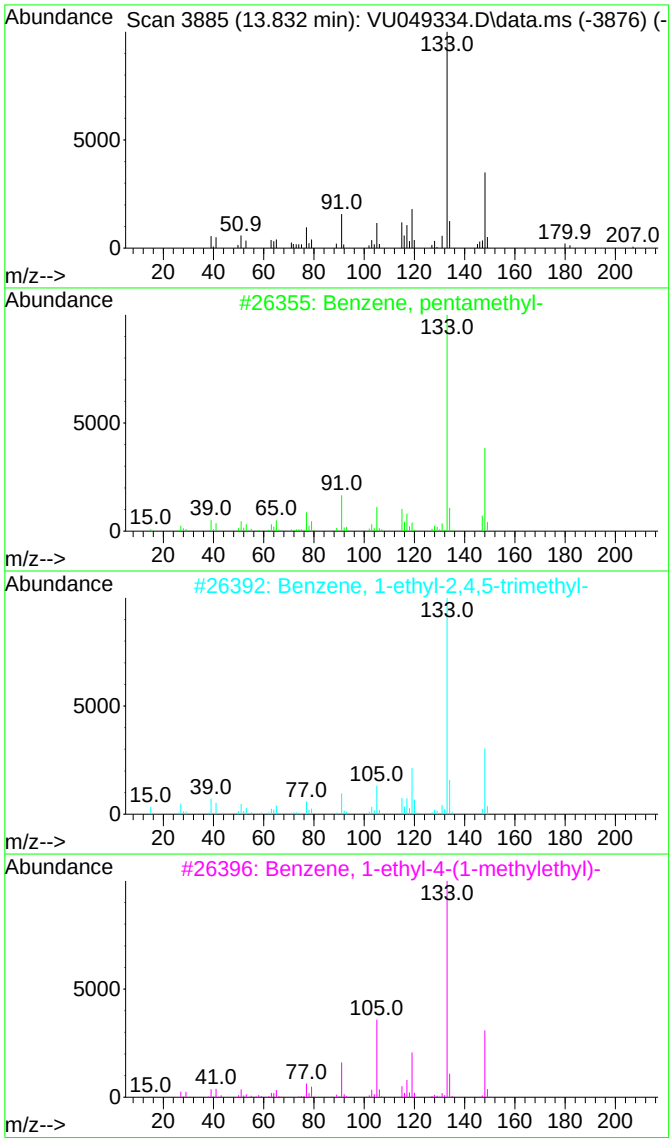
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

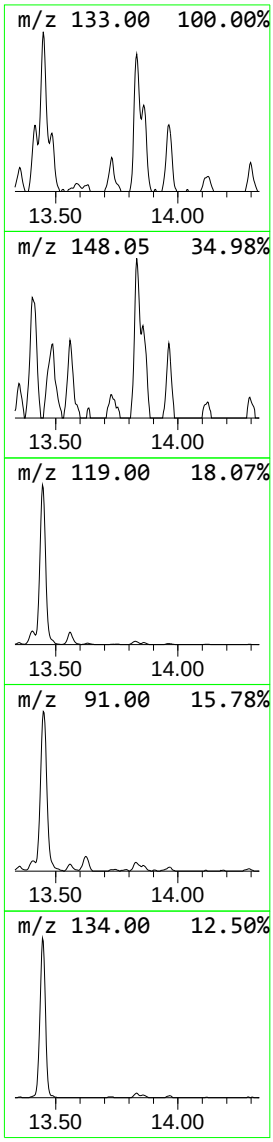
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Benzene, pentamethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.832 | 0.52 ug/L | 42711 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 93 |
| 2 | Benzene, 1-ethyl-2,4,5-trimethyl- | 148 | C11H16 | 017851-27-3 | 90 |
| 3 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 90 |
| 4 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 90 |
| 5 | Benzene, 1-ethyl-3-(1-methylethyl)- | 148 | C11H16 | 004920-99-4 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

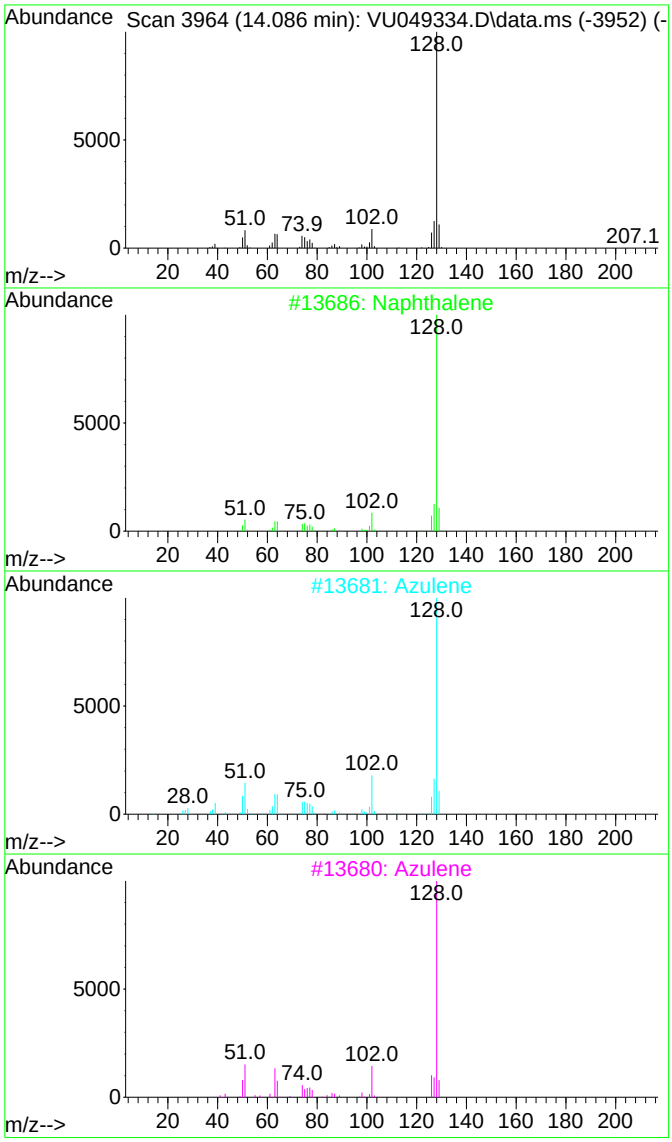
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0

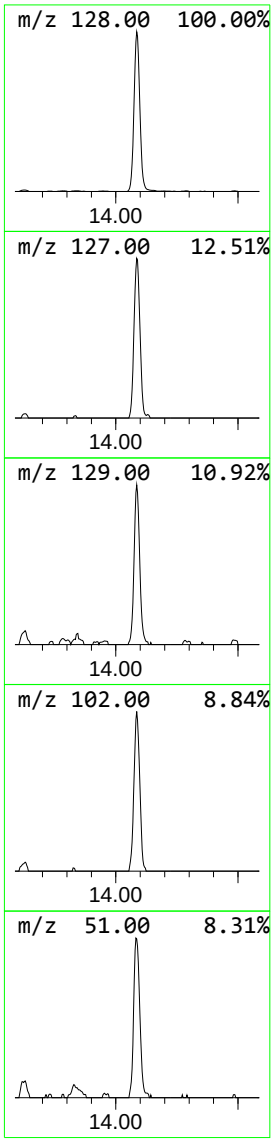
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 Azulene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.086 | 2.99 ug/L | 245813 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene | 128 | C10H8 | 000091-20-3 | 95 |
| 2 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |
| 3 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |
| 4 | Azulene | 128 | C10H8 | 000275-51-4 | 90 |
| 5 | Azulene | 128 | C10H8 | 000275-51-4 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049334.D
Acq On : 21 Jun 2022 18:18
Operator : SY/MD
Sample : N3400-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AD6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.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 |
| Diisopropyl ether | 3.996 | 1.8 | ug/L | 121460 | 1 | 6.250 | 332478 | 5.0 |
| (DEL) Alkane: C... | 4.530 | 0.5 | ug/L | 35069 | 1 | 6.250 | 332478 | 5.0 |
| Benzene, propyl- | 10.906 | 0.6 | ug/L | 45842 | 3 | 11.812 | 410410 | 5.0 |
| Benzene, 1-ethy... | 11.291 | 1.0 | ug/L | 82543 | 3 | 11.812 | 410410 | 5.0 |
| Benzene, 1,2,3-... | 11.893 | 1.5 | ug/L | 126161 | 3 | 11.812 | 410410 | 5.0 |
| Indane | 12.095 | 2.4 | ug/L | 198395 | 3 | 11.812 | 410410 | 5.0 |
| Benzene, 1-meth... | 12.375 | 0.7 | ug/L | 55602 | 3 | 11.812 | 410410 | 5.0 |
| Benzene, 2-ethy... | 12.465 | 3.0 | ug/L | 242537 | 3 | 11.812 | 410410 | 5.0 |
| Benzene, 1,2,4,... | 12.494 | 2.3 | ug/L | 192097 | 3 | 11.812 | 410410 | 5.0 |
| Benzene, 4-ethy... | 12.571 | 6.8 | ug/L | 554633 | 3 | 11.812 | 410410 | 5.0 |
| Indan, 1-methyl- | 12.681 | 1.9 | ug/L | 156239 | 3 | 11.812 | 410410 | 5.0 |
| o-Cymene | 12.877 | 1.2 | ug/L | 96843 | 3 | 11.812 | 410410 | 5.0 |
| Benzene, 1,2,3,... | 12.973 | 6.5 | ug/L | 531864 | 3 | 11.812 | 410410 | 5.0 |
| Benzene, 1,2,3,... | 13.025 | 11.7 | ug/L | 957552 | 3 | 11.812 | 410410 | 5.0 |
| Benzene, 1-ethe... | 13.295 | 2.5 | ug/L | 204223 | 3 | 11.812 | 410410 | 5.0 |
| 2,4-Dimethylsty... | 13.452 | 10.4 | ug/L | 857320 | 3 | 11.812 | 410410 | 5.0 |
| Benzene, pentam... | 13.832 | 0.5 | ug/L | 42711 | 3 | 11.812 | 410410 | 5.0 |
| Azulene | 14.086 | 3.0 | ug/L | 245813 | 3 | 11.812 | 410410 | 5.0 |