LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
Acq On : 21 Oct 2022 19:57
Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

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\SFAMVTR102022WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VV028673.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.947 | 272 | 282 | 299 | rBV | 2571119 | 3451412 | 15.49% | 6.735% |
| 2 | 2.105 | 322 | 331 | 344 | rVB | 212004 | 296382 | 1.33% | 0.578% |
| 3 | 2.757 | 520 | 534 | 551 | rBV | 190309 | 386965 | 1.74% | 0.755% |
| 4 | 3.281 | 679 | 697 | 717 | rBV | 3685382 | 8365796 | 37.55% | 16.325% |
| 5 | 3.754 | 826 | 844 | 862 | rBV2 | 292516 | 746602 | 3.35% | 1.457% |
| 6 | 4.342 | 1013 | 1027 | 1062 | rBV | 115687 | 325600 | 1.46% | 0.635% |
| 7 | 4.670 | 1112 | 1129 | 1145 | rBV2 | 104926 | 261350 | 1.17% | 0.510% |
| 8 | 5.043 | 1228 | 1245 | 1256 | rBV2 | 281837 | 694958 | 3.12% | 1.356% |
| 9 | 5.612 | 1410 | 1422 | 1455 | rBV2 | 200596 | 430562 | 1.93% | 0.840% |
| 10 | 6.066 | 1551 | 1563 | 1573 | rBV | 161168 | 346058 | 1.55% | 0.675% |
| 11 | 7.310 | 1925 | 1950 | 1967 | rBV2 | 342033 | 842847 | 3.78% | 1.645% |
| 12 | 8.091 | 2181 | 2193 | 2207 | rBV | 263632 | 558181 | 2.51% | 1.089% |
| 13 | 8.876 | 2417 | 2437 | 2475 | rBV | 14024384 | 22281794 | 100.00% | 43.481% |
| 14 | 9.924 | 2750 | 2763 | 2778 | rBV | 3686659 | 5537200 | 24.85% | 10.805% |
| 15 | 10.349 | 2880 | 2895 | 2907 | rBV2 | 245479 | 508668 | 2.28% | 0.993% |
| 16 | 10.416 | 2908 | 2916 | 2945 | rVB2 | 203097 | 485145 | 2.18% | 0.947% |
| 17 | 10.731 | 3002 | 3014 | 3026 | rBV | 204394 | 342293 | 1.54% | 0.668% |
| 18 | 10.857 | 3041 | 3053 | 3063 | rBV | 159336 | 265516 | 1.19% | 0.518% |
| 19 | 11.242 | 3163 | 3173 | 3176 | rBV | 371591 | 527256 | 2.37% | 1.029% |
| 20 | 11.342 | 3192 | 3204 | 3215 | rBV4 | 372227 | 634703 | 2.85% | 1.239% |
| 21 | 11.522 | 3251 | 3260 | 3277 | rVB2 | 148538 | 289095 | 1.30% | 0.564% |
| 22 | 11.619 | 3277 | 3290 | 3317 | rBV5 | 405557 | 913031 | 4.10% | 1.782% |
| 23 | 12.008 | 3392 | 3411 | 3423 | rBV | 287289 | 516292 | 2.32% | 1.007% |
| 24 | 12.246 | 3476 | 3485 | 3496 | rVB | 730006 | 1131942 | 5.08% | 2.209% |
| 25 | 12.406 | 3520 | 3535 | 3545 | rBV2 | 170266 | 332447 | 1.49% | 0.649% |
| 26 | 12.911 | 3684 | 3692 | 3709 | rVB6 | 101362 | 236039 | 1.06% | 0.461% |
| 27 | 13.426 | 3843 | 3852 | 3869 | rVB7 | 125787 | 281488 | 1.26% | 0.549% |
| 28 | 14.490 | 4173 | 4183 | 4191 | rBV | 152834 | 255608 | 1.15% | 0.499% |

Sum of corrected areas: 51245230

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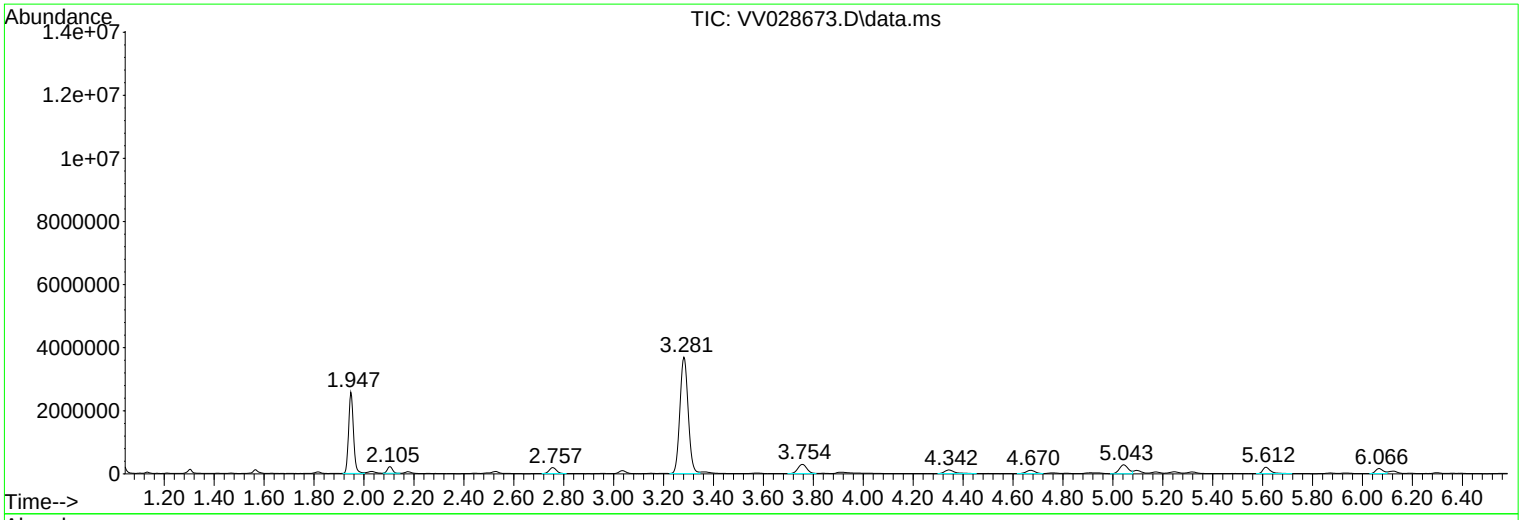
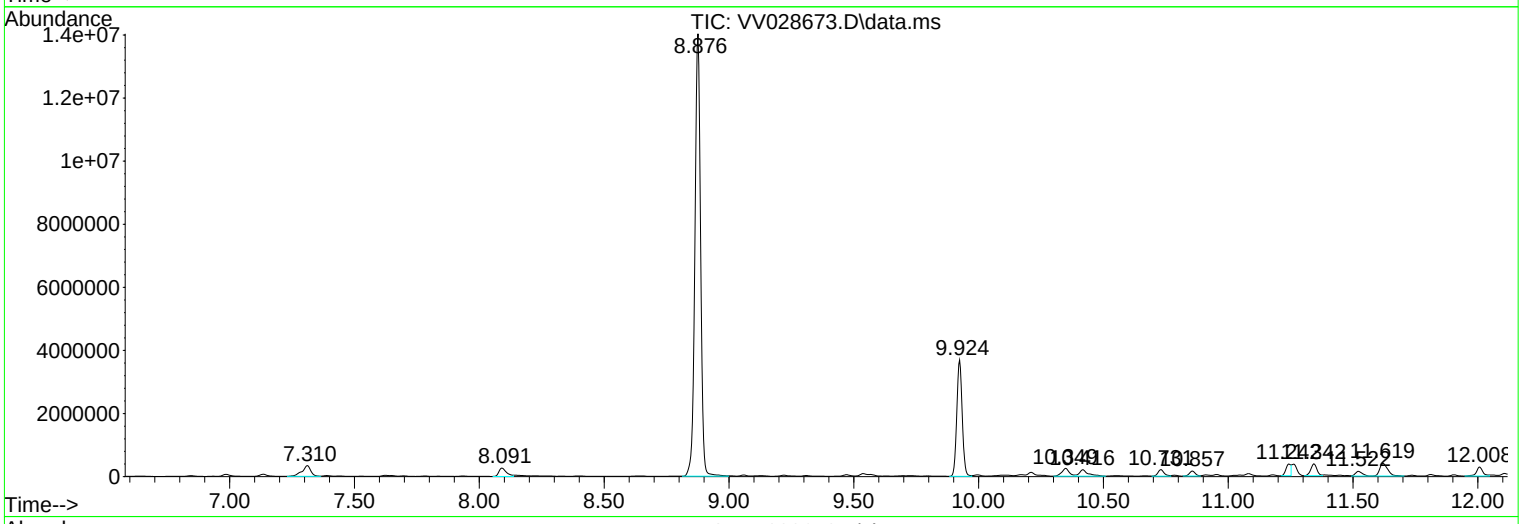
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

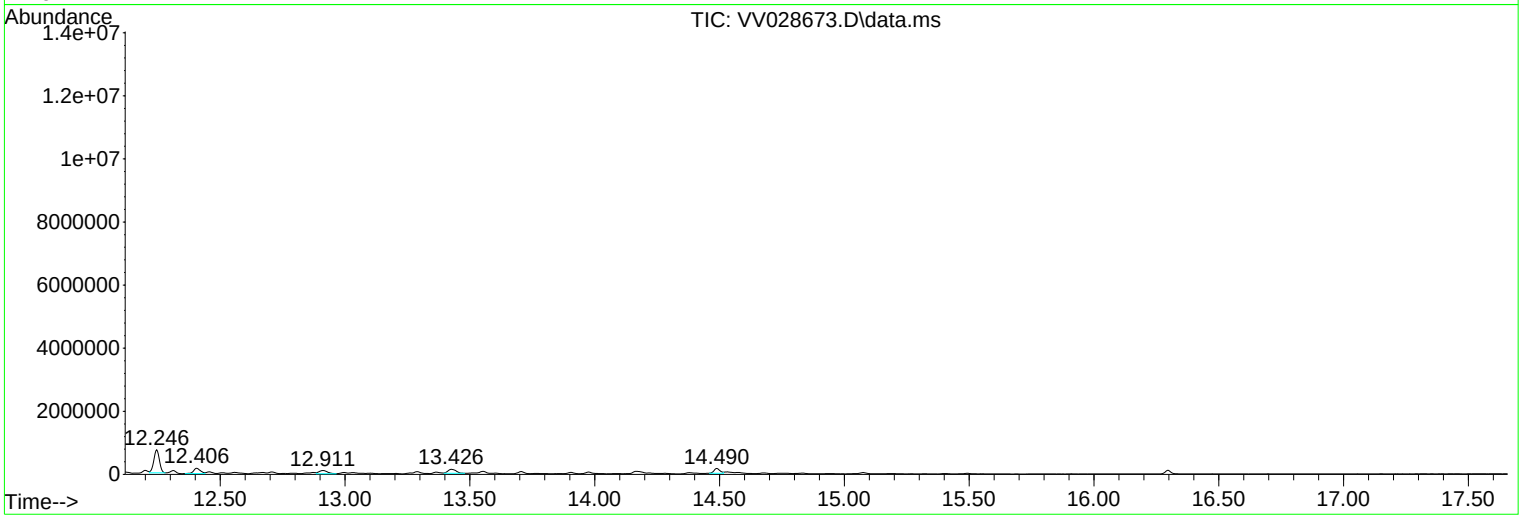
**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

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



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Data File : VV028673.D
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

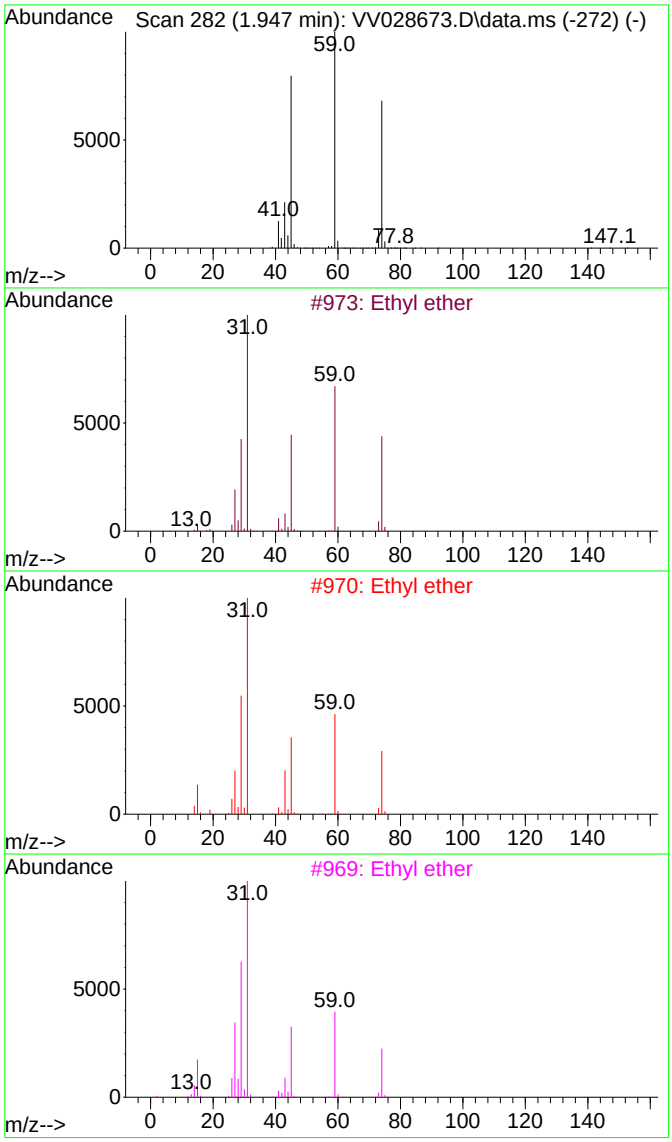
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

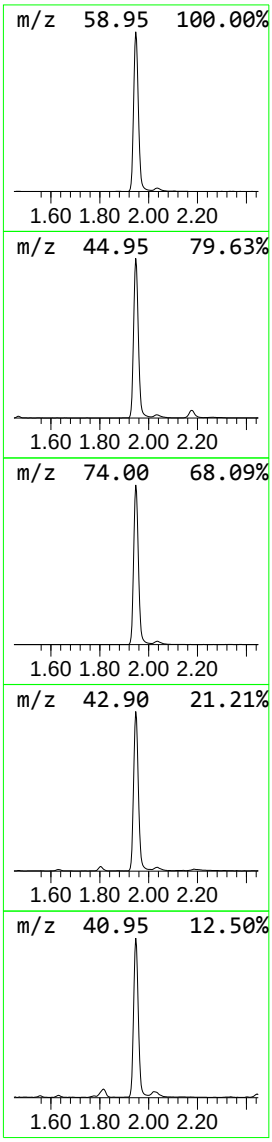
**********

Peak Number 1 Ethyl ether Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.947 | 40.08 ug/L | 3451410 | 1,4-Difluorobenzene | 5.612 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 90 |
| 2 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 90 |
| 3 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 90 |
| 4 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 72 |
| 5 | Ethane, 1,2-diethoxy- | 118 | C6H14O2 | 000629-14-1 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
Acq On : 21 Oct 2022 19:57
Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

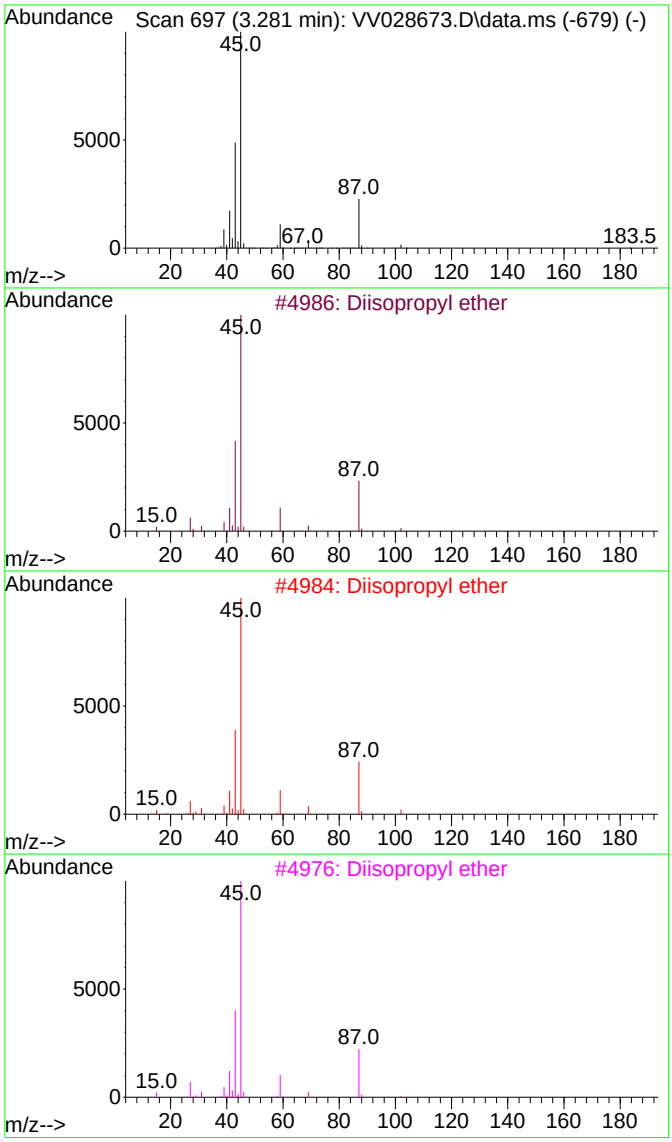
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

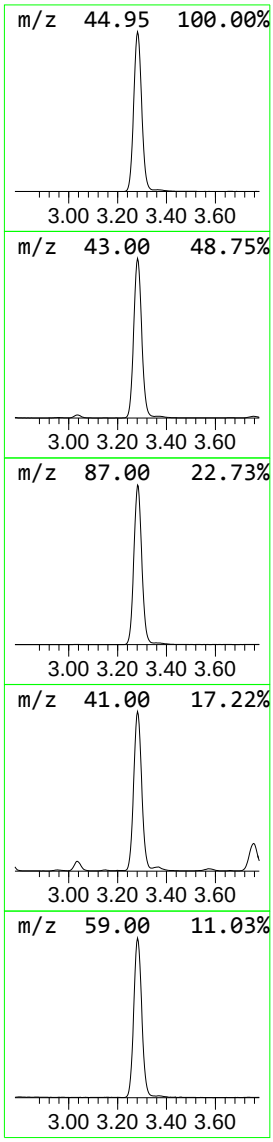
**********

Peak Number 2 Diisopropyl ether Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.281 | 97.15 ug/L | 8365800 | 1,4-Difluorobenzene | 5.612 |

| 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 | 91 |
| 3 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 83 |
| 4 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 83 |
| 5 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
Acq On : 21 Oct 2022 19:57
Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

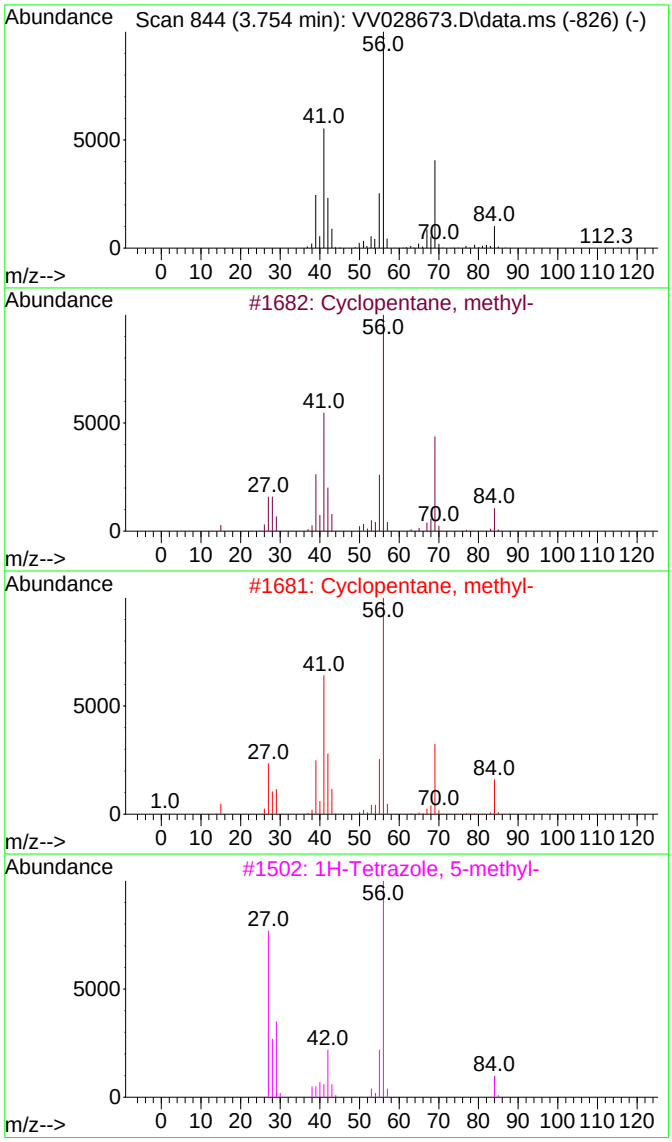
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

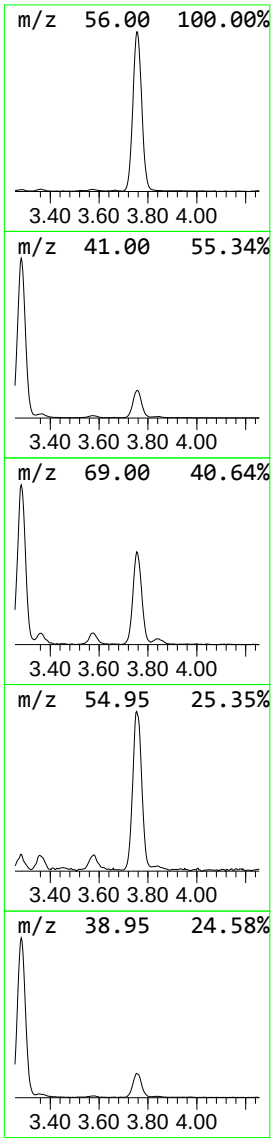
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Cyclic3.754 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.754 | 8.67 ug/L | 746602 | 1,4-Difluorobenzene | 5.612 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 91 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 91 |
| 3 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 80 |
| 4 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 78 |
| 5 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 78 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
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Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

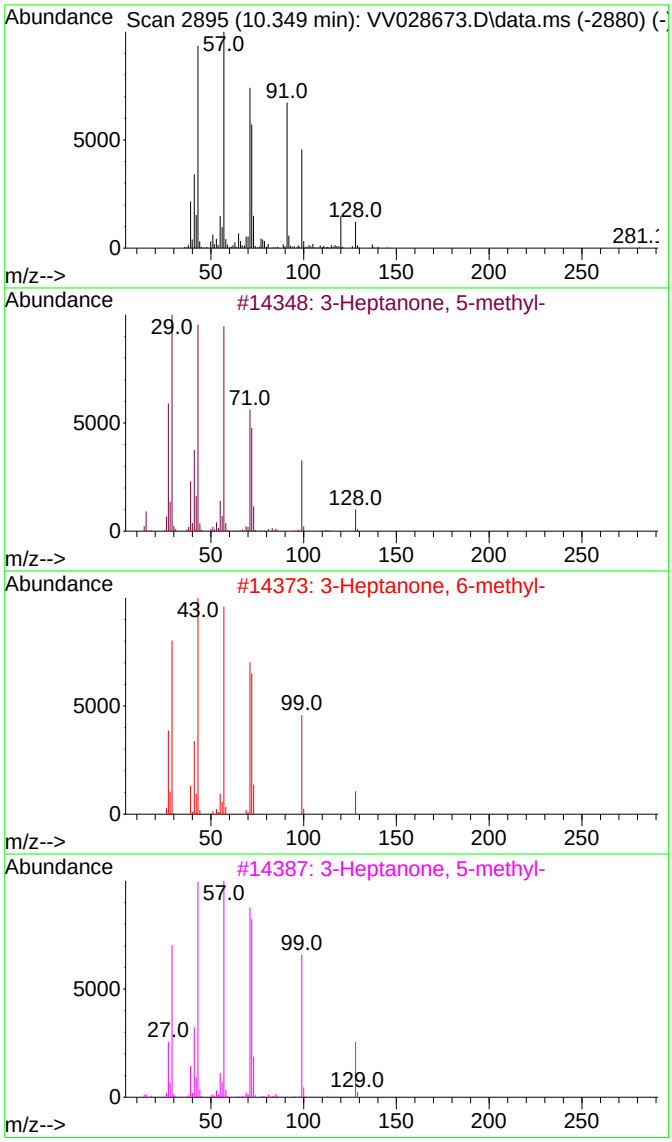
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

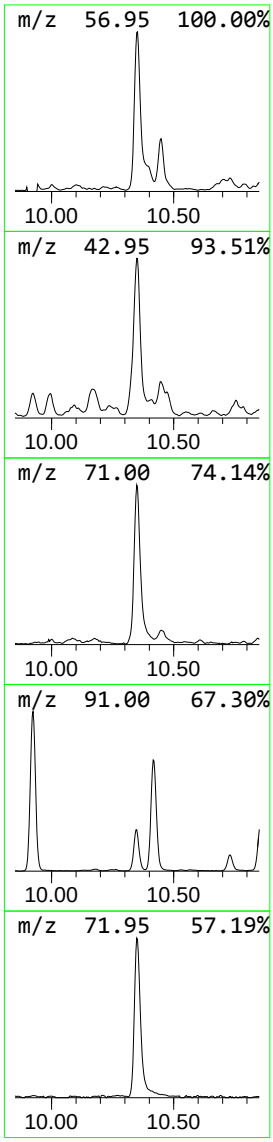
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 3-Heptanone, 5-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.349 | 4.82 ug/L | 508668 | 1,4-Dichlorobenzene-d4 | 11.242 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Heptanone, 5-methyl- | 128 | C8H16O | 000541-85-5 | 93 |
| 2 | 3-Heptanone, 6-methyl- | 128 | C8H16O | 000624-42-0 | 93 |
| 3 | 3-Heptanone, 5-methyl- | 128 | C8H16O | 000541-85-5 | 90 |
| 4 | 3-Octanone | 128 | C8H16O | 000106-68-3 | 90 |
| 5 | 3-Heptanone, 5-methyl- | 128 | C8H16O | 000541-85-5 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
Acq On : 21 Oct 2022 19:57
Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

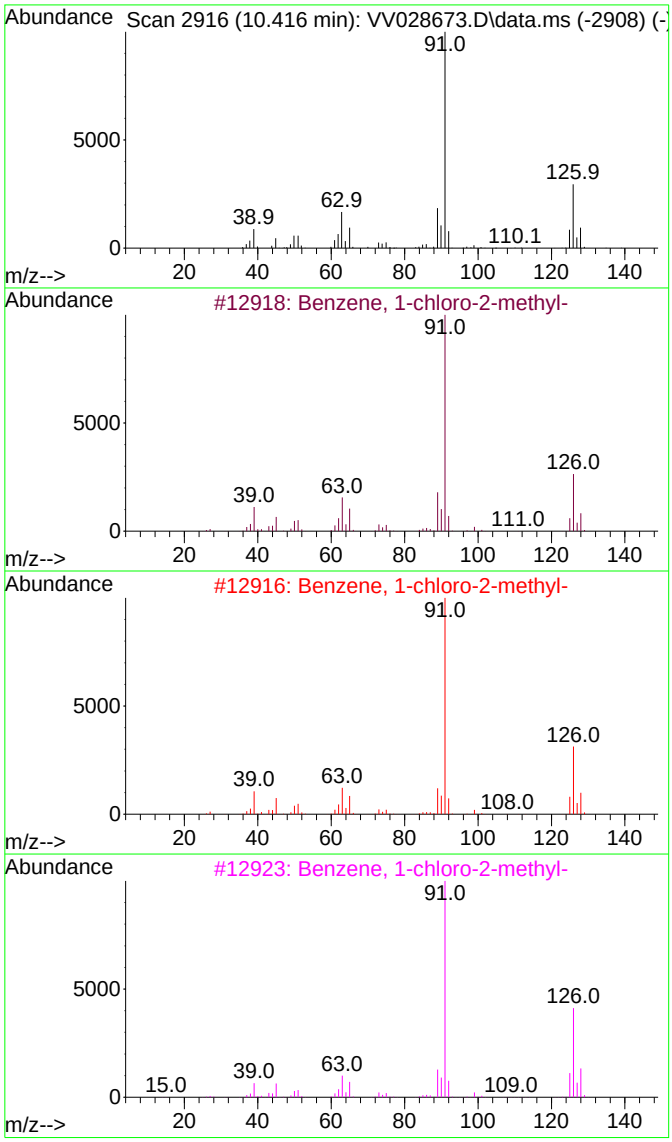
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

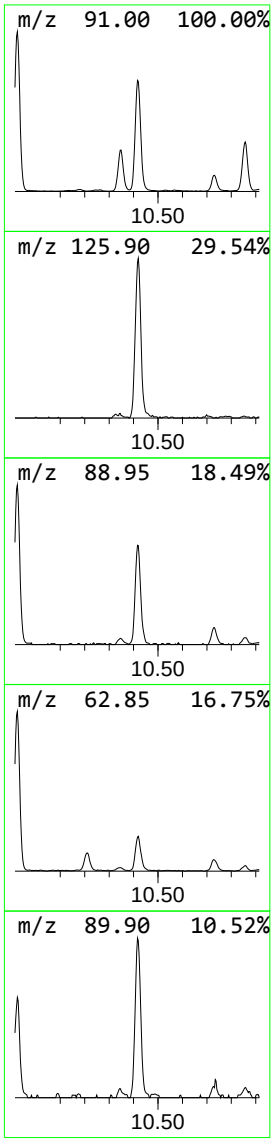
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 1-chloro-2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.416 | 4.60 ug/L | 485145 | 1,4-Dichlorobenzene-d4 | 11.242 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 97 |
| 2 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 94 |
| 3 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 94 |
| 4 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 94 |
| 5 | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl | 000095-49-8 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
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Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

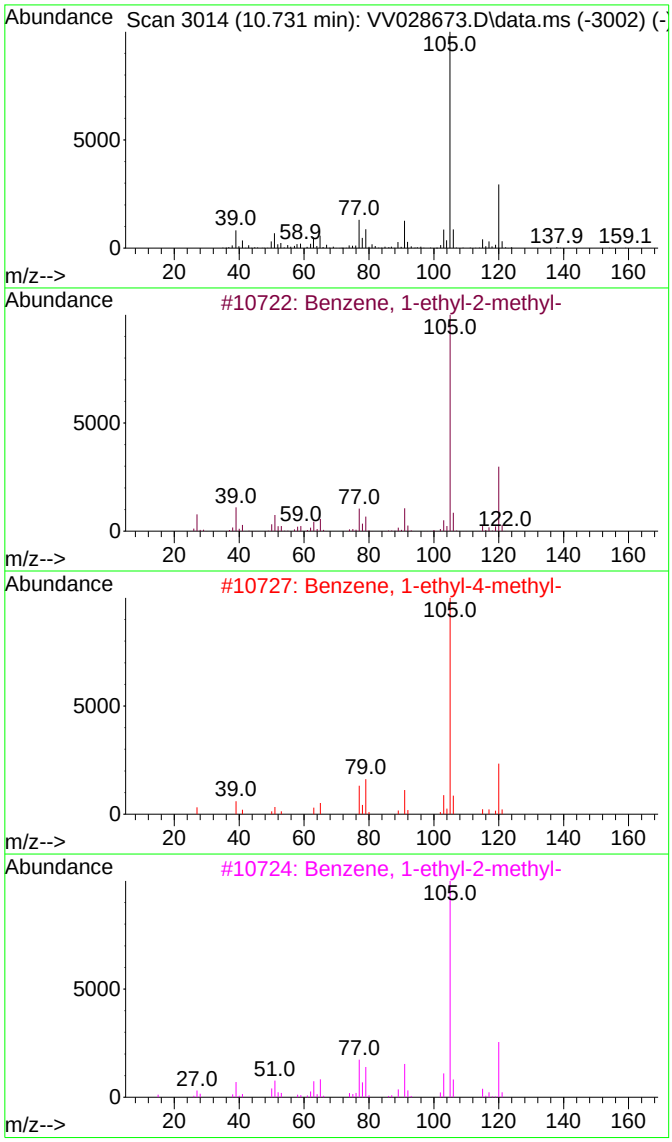
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

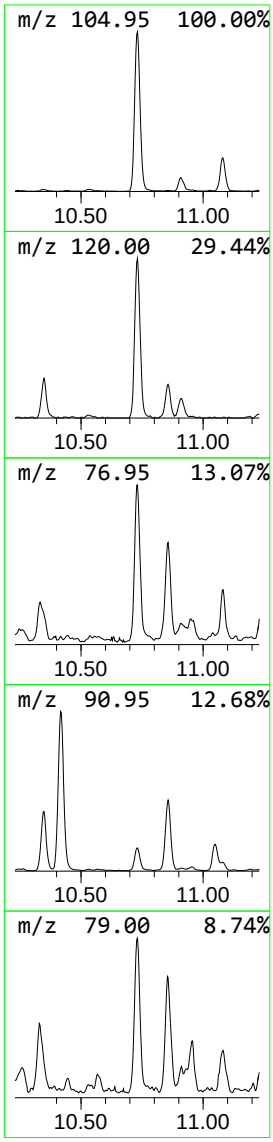
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.731 | 3.25 ug/L | 342293 | 1,4-Dichlorobenzene-d4 | 11.242 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 2 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 94 |
| 3 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 93 |
| 4 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 91 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
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Operator : SY/MD
Sample : N5233-01
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ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

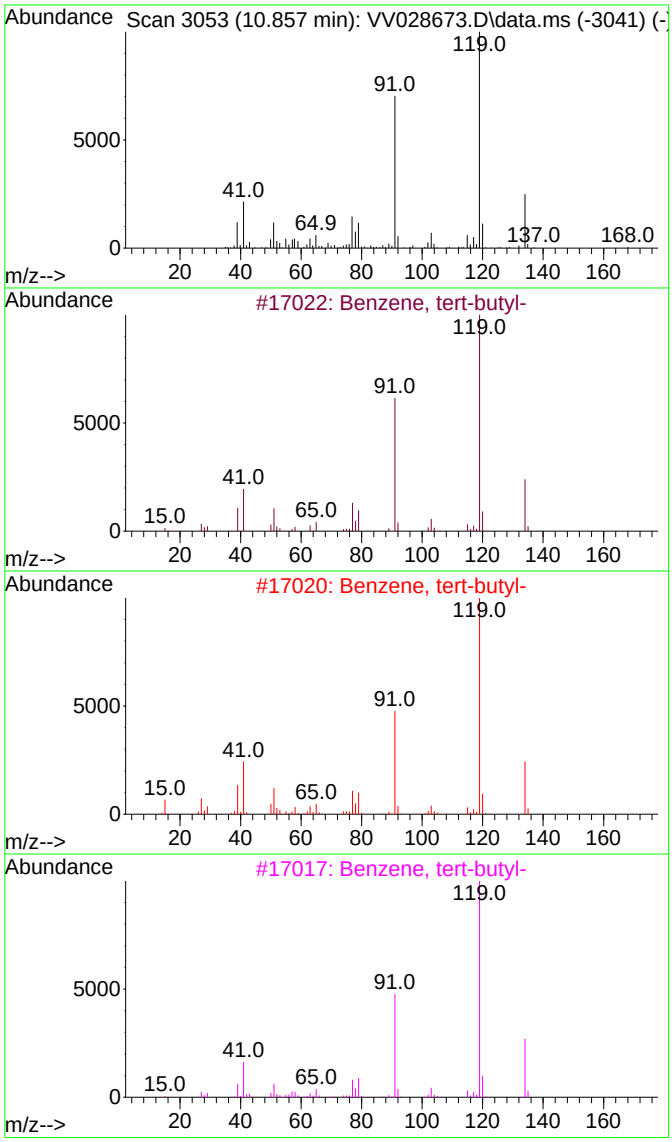
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

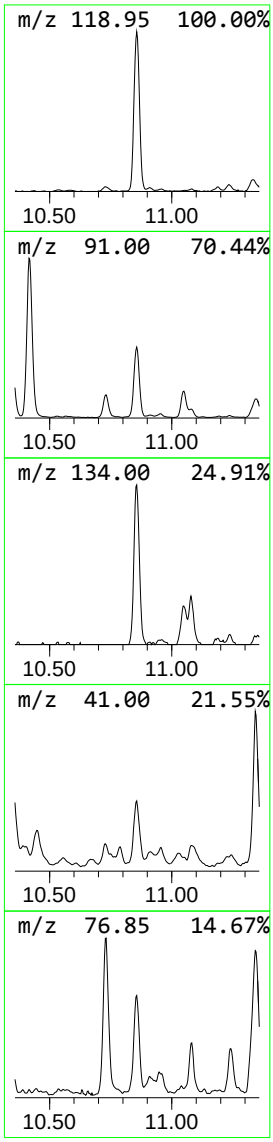
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, tert-butyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.857 | 2.52 ug/L | 265516 | 1,4-Dichlorobenzene-d4 | 11.242 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, tert-butyl- | 134 | C10H14 | 000098-06-6 | 97 |
| 2 | Benzene, tert-butyl- | 134 | C10H14 | 000098-06-6 | 95 |
| 3 | Benzene, tert-butyl- | 134 | C10H14 | 000098-06-6 | 90 |
| 4 | Benzene, tert-butyl- | 134 | C10H14 | 000098-06-6 | 90 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 80 |



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ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
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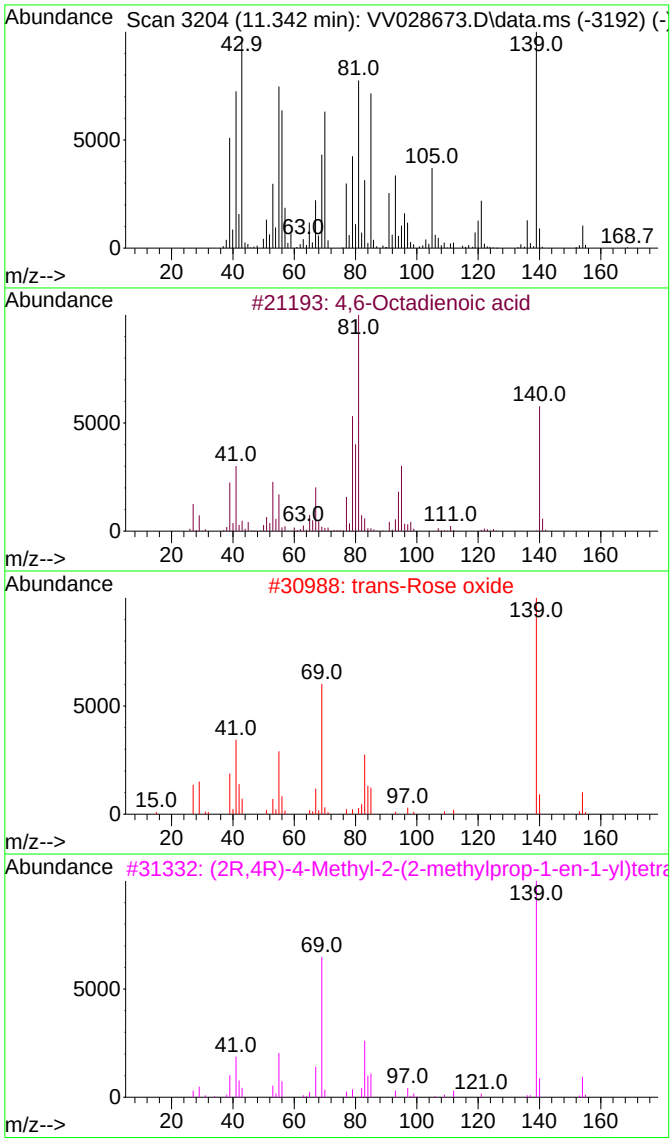
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

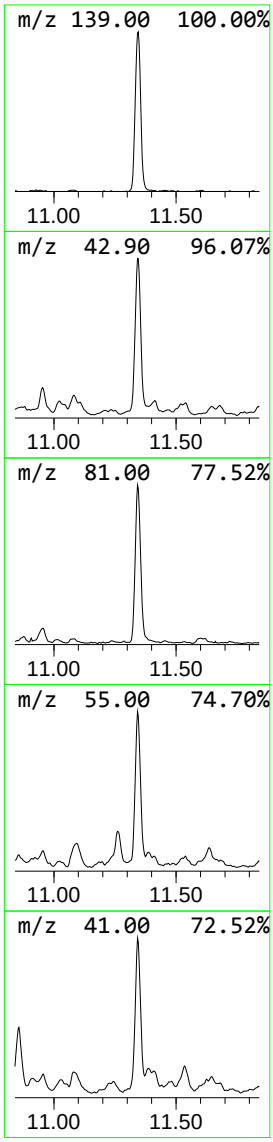
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 unknown-01 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.342 | 6.02 ug/L | 634703 | 1,4-Dichlorobenzene-d4 | 11.242 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,6-Octadienoic acid | 140 | C8H12O2 | 062765-17-7 | 22 |
| 2 | trans-Rose oxide | 154 | C10H18O | 000876-18-6 | 20 |
| 3 | (2R,4R)-4-Methyl-2-(2-methylprop... | 154 | C10H18O | 005258-11-7 | 18 |
| 4 | Isonicotinic acid N-oxide | 139 | C6H5NO3 | 013602-12-5 | 15 |
| 5 | (2S,4R)-4-Methyl-2-(2-methylprop... | 154 | C10H18O | 003033-23-6 | 14 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
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Sample : N5233-01
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**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

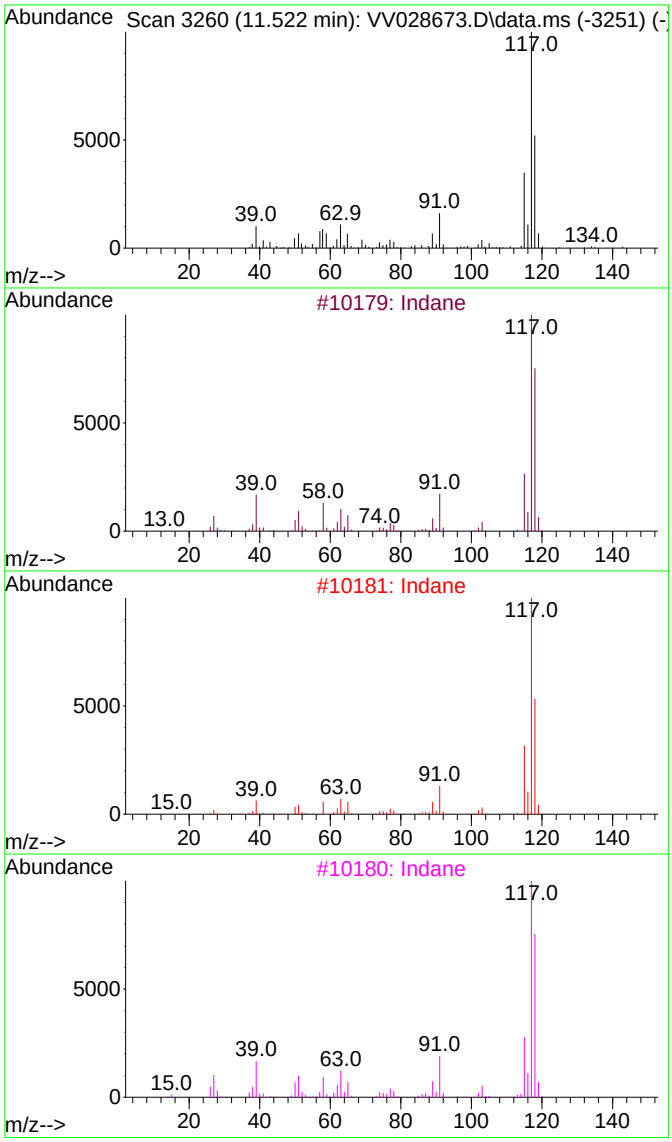
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

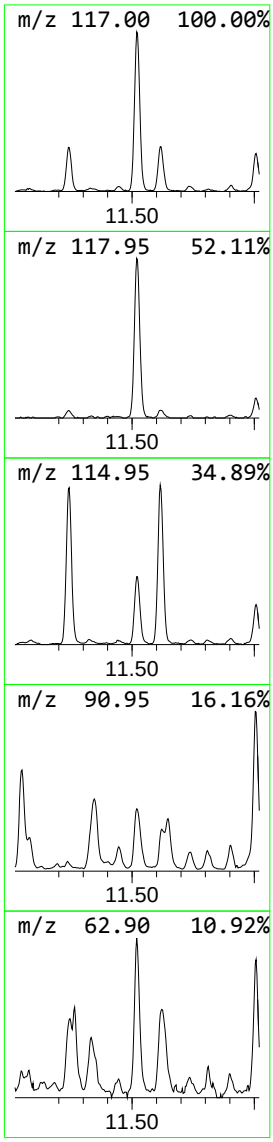
**********

Peak Number 9 Indane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.522 | 2.74 ug/L | 289095 | 1,4-Dichlorobenzene-d4 | 11.242 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 96 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 95 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 94 |
| 4 | Indane | 118 | C9H10 | 000496-11-7 | 93 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118 | C9H10 | 055337-80-9 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
Acq On : 21 Oct 2022 19:57
Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

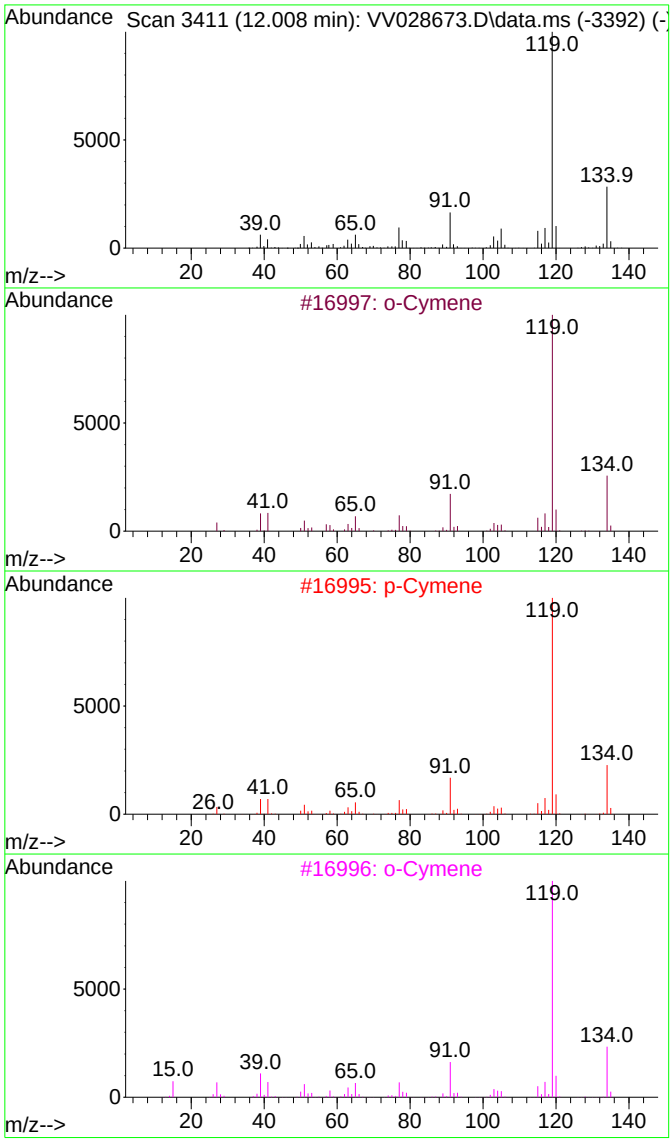
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

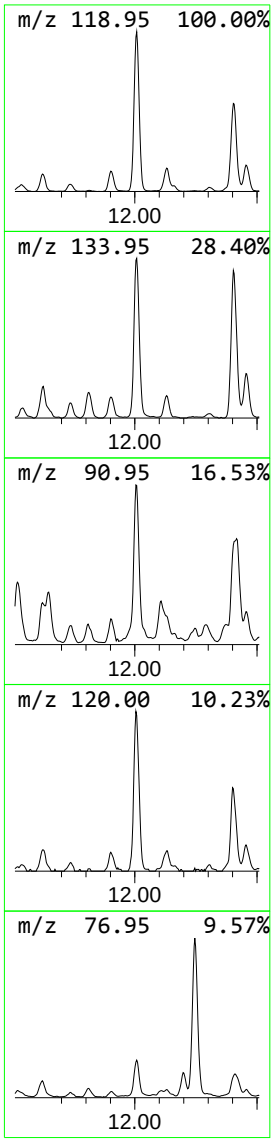
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 o-Cymene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.008 | 4.90 ug/L | 516292 | 1,4-Dichlorobenzene-d4 | 11.242 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 97 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 97 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 97 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 97 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 97 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
Acq On : 21 Oct 2022 19:57
Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

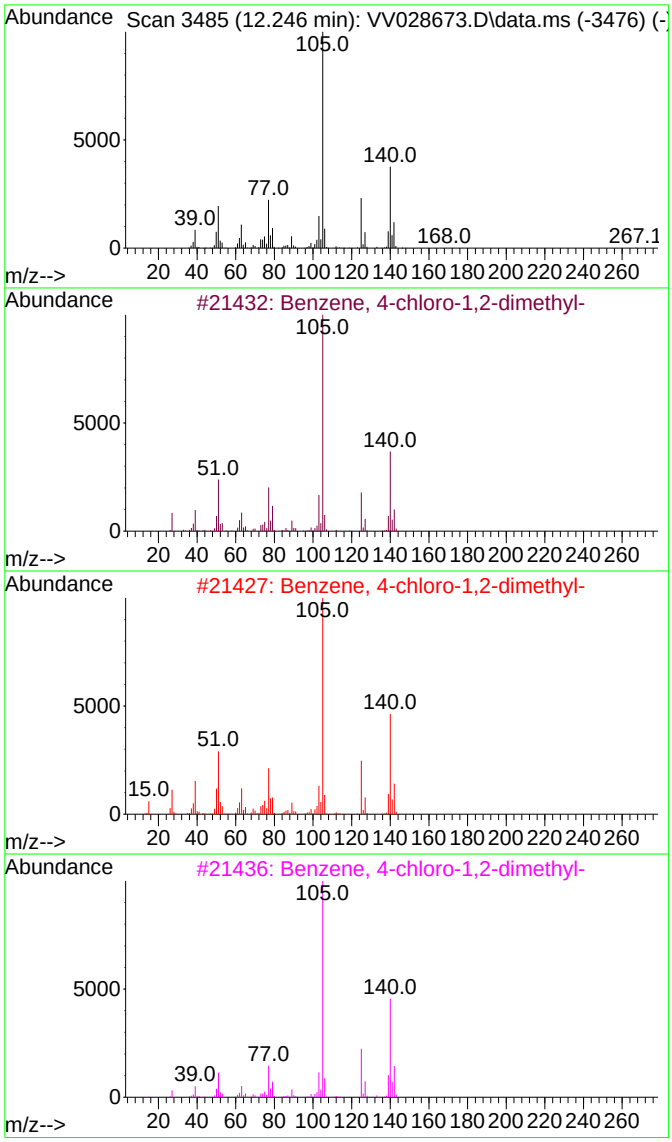
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

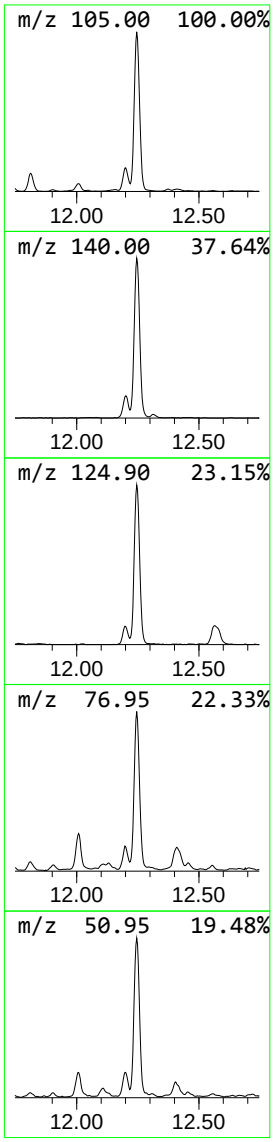
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 4-chloro-1,2-dimet... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.246 | 10.73 ug/L | 1131940 | 1,4-Dichlorobenzene-d4 | 11.242 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-chloro-1,2-dimethyl- | 140 | C8H9Cl | 000615-60-1 | 96 |
| 2 | Benzene, 4-chloro-1,2-dimethyl- | 140 | C8H9Cl | 000615-60-1 | 96 |
| 3 | Benzene, 4-chloro-1,2-dimethyl- | 140 | C8H9Cl | 000615-60-1 | 95 |
| 4 | m-Xylene, 5-chloro- | 140 | C8H9Cl | 000556-97-8 | 95 |
| 5 | Benzene, 1-chloro-2,3-dimethyl- | 140 | C8H9Cl | 000608-23-1 | 93 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
Acq On : 21 Oct 2022 19:57
Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

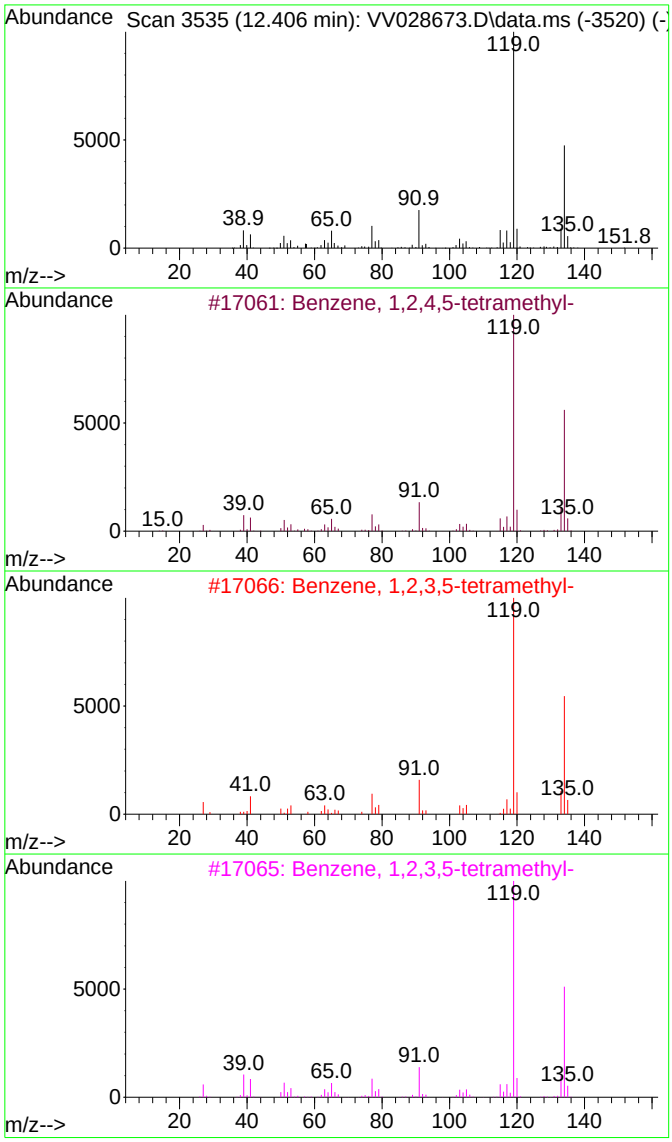
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

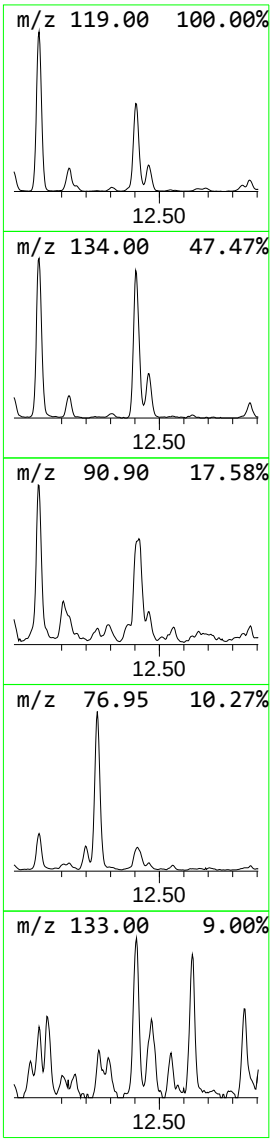
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.406 | 3.15 ug/L | 332447 | 1,4-Dichlorobenzene-d4 | 11.242 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
Acq On : 21 Oct 2022 19:57
Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

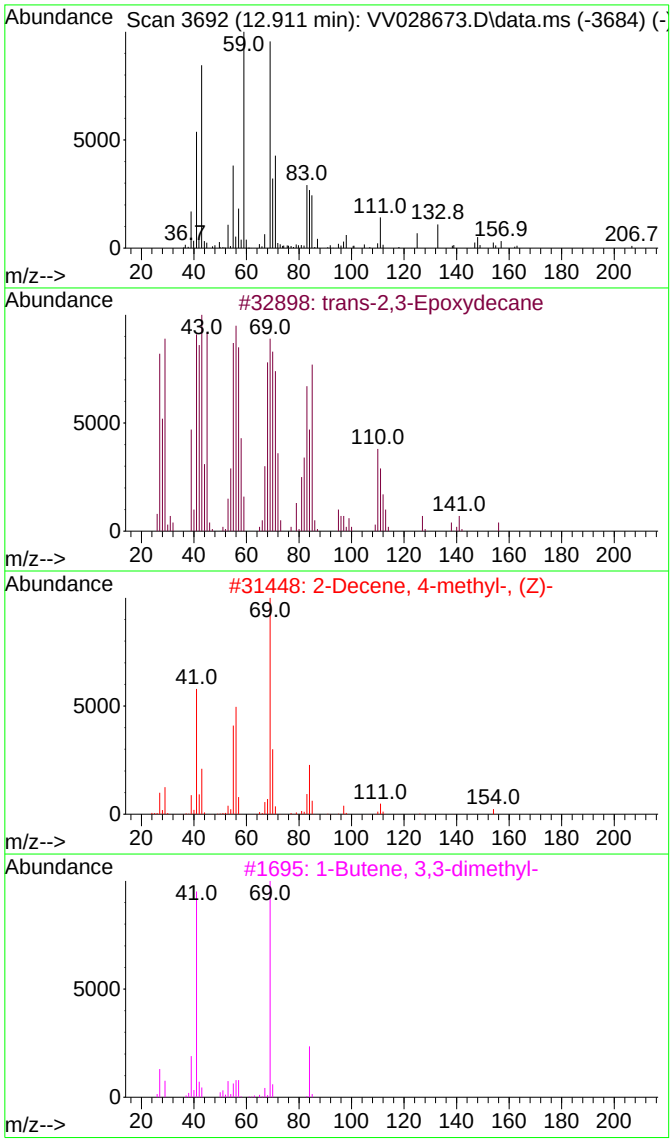
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

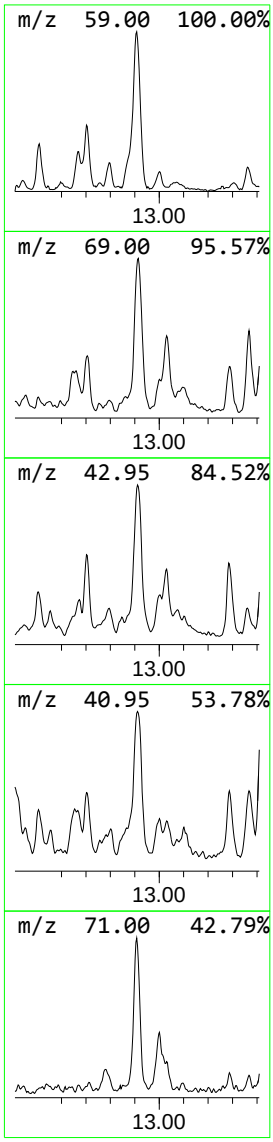
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 trans-2,3-Epoxydecane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.911 | 2.24 ug/L | 236039 | 1,4-Dichlorobenzene-d4 | 11.242 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | trans-2,3-Epoxydecane | 156 | C10H20O | 054125-39-2 | 50 |
| 2 | 2-Decene, 4-methyl-, (Z)- | 154 | C11H22 | 074630-30-1 | 35 |
| 3 | 1-Butene, 3,3-dimethyl- | 84 | C6H12 | 000558-37-2 | 22 |
| 4 | 2-Pentene, 2-methyl- | 84 | C6H12 | 000625-27-4 | 22 |
| 5 | 2-Butene, 2,3-dimethyl- | 84 | C6H12 | 000563-79-1 | 22 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
Acq On : 21 Oct 2022 19:57
Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

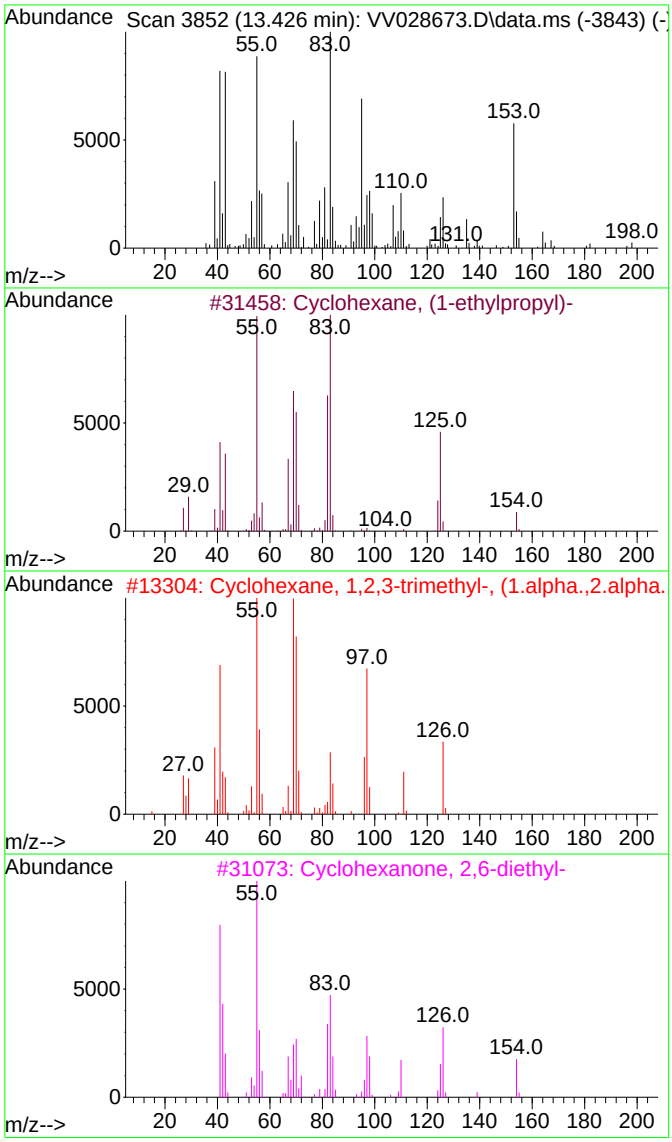
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

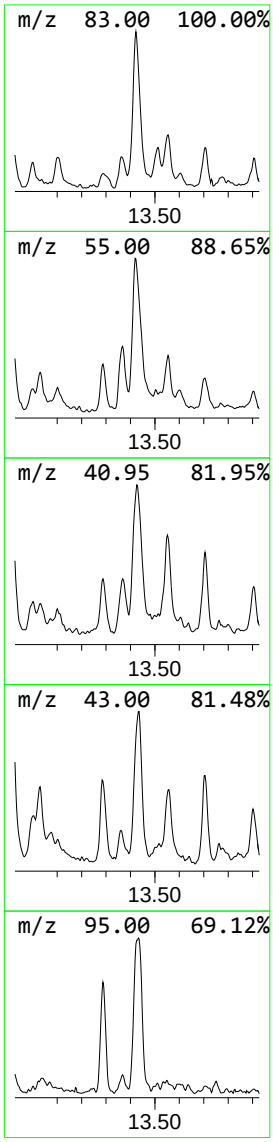
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 (DEL) Alkane: Cyclic13.426 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.426 | 2.67 ug/L | 281488 | 1,4-Dichlorobenzene-d4 | 11.242 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, (1-ethylpropyl)- | 154 | C11H22 | 026321-98-2 | 38 |
| 2 | Cyclohexane, 1,2,3-trimethyl-, (... | 126 | C9H18 | 001839-88-9 | 35 |
| 3 | Cyclohexanone, 2,6-diethyl- | 154 | C10H18O | 016519-68-9 | 30 |
| 4 | Cyclohexanone, 2,6-diethyl- | 154 | C10H18O | 016519-68-9 | 30 |
| 5 | 2-Dodecenal, (E)- | 182 | C12H22O | 020407-84-5 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
Acq On : 21 Oct 2022 19:57
Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
Quant Title : TRACE VOA SFAM1.0

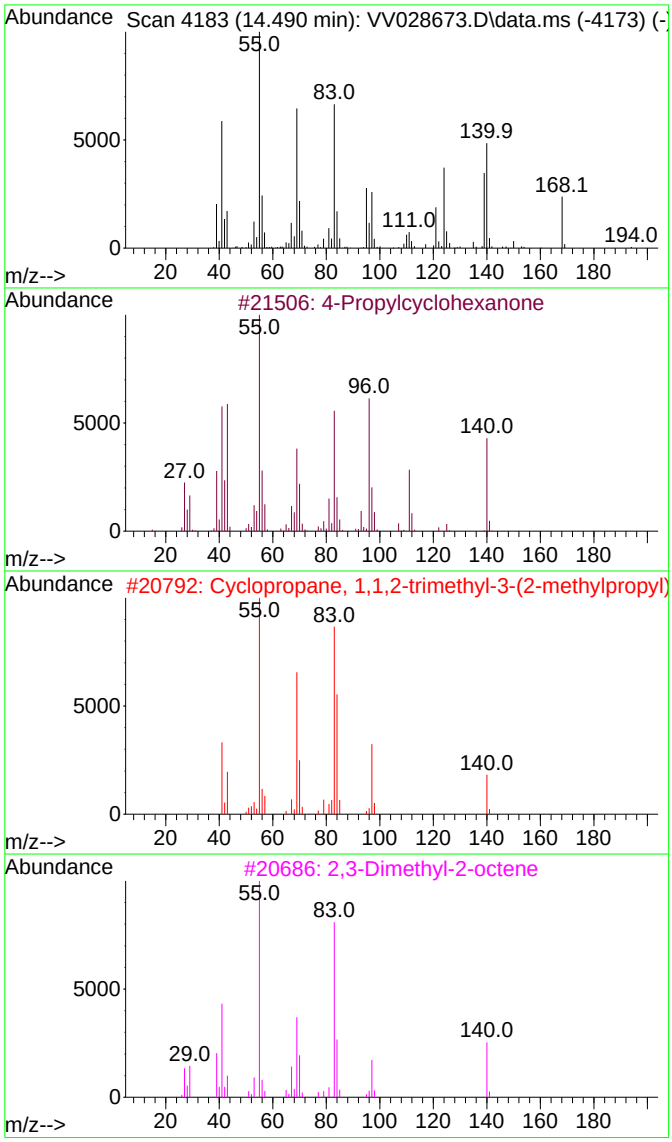
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

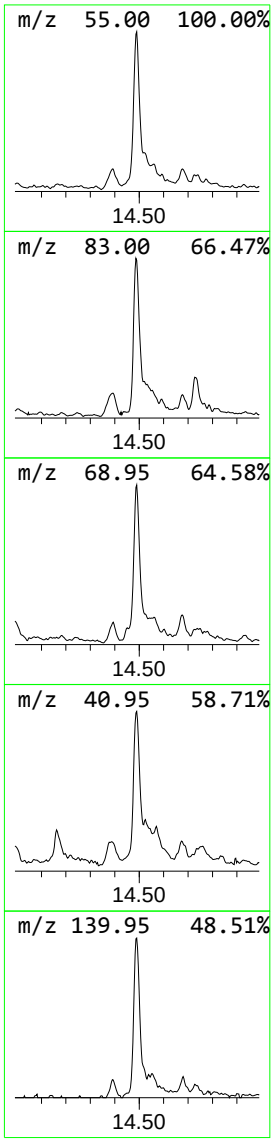
**********

Peak Number 15 unknown-02 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.490 | 2.42 ug/L | 255608 | 1,4-Dichlorobenzene-d4 | 11.242 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Propylcyclohexanone | 140 | C9H16O | 040649-36-3 | 45 |
| 2 | Cyclopropane, 1,1,2-trimethyl-3-... | 140 | C10H20 | 041977-43-9 | 43 |
| 3 | 2,3-Dimethyl-2-octene | 140 | C10H20 | 019781-18-1 | 38 |
| 4 | 2,4,6-Trimethyl-3-heptene | 140 | C10H20 | 1000113-56-9 | 38 |
| 5 | Cyclohexanone, 3-ethyl-3,5,5-tri... | 168 | C11H20O | 167226-01-9 | 35 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102122\
Data File : VV028673.D
Acq On : 21 Oct 2022 19:57
Operator : SY/MD
Sample : N5233-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA51

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.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 |
| Ethyl ether | 1.947 | 40.1 | ug/L | 3451410 | 1 | 5.612 | 430562 | 5.0 |
| Diisopropyl ether | 3.281 | 97.2 | ug/L | 8365800 | 1 | 5.612 | 430562 | 5.0 |
| (DEL) Alkane: C... | 3.754 | 8.7 | ug/L | 746602 | 1 | 5.612 | 430562 | 5.0 |
| 3-Heptanone, 5-... | 10.349 | 4.8 | ug/L | 508668 | 3 | 11.242 | 527256 | 5.0 |
| Benzene, 1-chlo... | 10.416 | 4.6 | ug/L | 485145 | 3 | 11.242 | 527256 | 5.0 |
| Benzene, 1-ethy... | 10.731 | 3.3 | ug/L | 342293 | 3 | 11.242 | 527256 | 5.0 |
| Benzene, tert-b... | 10.857 | 2.5 | ug/L | 265516 | 3 | 11.242 | 527256 | 5.0 |
| unknown-01 | 11.342 | 6.0 | ug/L | 634703 | 3 | 11.242 | 527256 | 5.0 |
| Indane | 11.522 | 2.7 | ug/L | 289095 | 3 | 11.242 | 527256 | 5.0 |
| o-Cymene | 12.008 | 4.9 | ug/L | 516292 | 3 | 11.242 | 527256 | 5.0 |
| Benzene, 4-chlo... | 12.246 | 10.7 | ug/L | 1131940 | 3 | 11.242 | 527256 | 5.0 |
| Benzene, 1,2,4,... | 12.406 | 3.1 | ug/L | 332447 | 3 | 11.242 | 527256 | 5.0 |
| trans-2,3-Epoxy... | 12.911 | 2.2 | ug/L | 236039 | 3 | 11.242 | 527256 | 5.0 |
| (DEL) Alkane: C... | 13.426 | 2.7 | ug/L | 281488 | 3 | 11.242 | 527256 | 5.0 |
| unknown-02 | 14.490 | 2.4 | ug/L | 255608 | 3 | 11.242 | 527256 | 5.0 |