

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100922\  
 Data File : VU051302.D  
 Acq On : 09 Oct 2022 16:02  
 Operator : JC/MD  
 Sample : N5013-01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHA38

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\SFAMUTR100722WMA.M  
 Title : TRACE VOA SFAM1.0

Signal : TIC: VU051302.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.375       | 309           | 322         | 340          | rBV      | 1768110        | 2612195       | 2.11%           | 0.738%        |
| 2         | 3.990       | 805           | 824         | 846          | rBV      | 1878671        | 4729780       | 3.82%           | 1.336%        |
| 3         | 4.530       | 973           | 992         | 1012         | rBV2     | 748975         | 1925711       | 1.55%           | 0.544%        |
| 4         | 4.665       | 1012          | 1034        | 1072         | rVB      | 2814325        | 6707307       | 5.41%           | 1.894%        |
| 5         | 5.777       | 1345          | 1380        | 1408         | rBV2     | 38265673       | 79423339      | 64.11%          | 22.428%       |
| 6         | 7.980       | 2048          | 2065        | 2119         | rVB3     | 62778249       | 123889680     | 100.00%         | 34.985%       |
| 7         | 9.446       | 2500          | 2521        | 2547         | rBV      | 10936250       | 18134792      | 14.64%          | 5.121%        |
| 8         | 9.571       | 2547          | 2560        | 2583         | rVB      | 12406265       | 19442101      | 15.69%          | 5.490%        |
| 9         | 9.693       | 2583          | 2598        | 2614         | rBV2     | 31094270       | 49733728      | 40.14%          | 14.044%       |
| 10        | 10.099      | 2710          | 2724        | 2752         | rVB      | 9737037        | 14865846      | 12.00%          | 4.198%        |
| 11        | 10.484      | 2828          | 2844        | 2857         | rBV      | 2900798        | 4410363       | 3.56%           | 1.245%        |
| 12        | 10.902      | 2958          | 2974        | 2990         | rBV      | 1151234        | 2100666       | 1.70%           | 0.593%        |
| 13        | 10.996      | 2990          | 3003        | 3009         | rBV2     | 1507828        | 2540014       | 2.05%           | 0.717%        |
| 14        | 11.086      | 3022          | 3031        | 3050         | rVB2     | 934730         | 1470214       | 1.19%           | 0.415%        |
| 15        | 11.291      | 3084          | 3095        | 3117         | rVB      | 1164716        | 1857044       | 1.50%           | 0.524%        |
| 16        | 11.465      | 3139          | 3149        | 3165         | rVB      | 4409568        | 6525442       | 5.27%           | 1.843%        |
| 17        | 11.893      | 3272          | 3282        | 3294         | rVB      | 1765178        | 2743432       | 2.21%           | 0.775%        |
| 18        | 12.095      | 3331          | 3345        | 3363         | rBV2     | 2968981        | 4790968       | 3.87%           | 1.353%        |
| 19        | 12.205      | 3363          | 3379        | 3397         | rVB5     | 956289         | 2506660       | 2.02%           | 0.708%        |
| 20        | 12.478      | 3448          | 3464        | 3484         | rBV3     | 461788         | 1399472       | 1.13%           | 0.395%        |
| 21        | 14.086      | 3948          | 3964        | 3988         | rVB      | 1378523        | 2315250       | 1.87%           | 0.654%        |

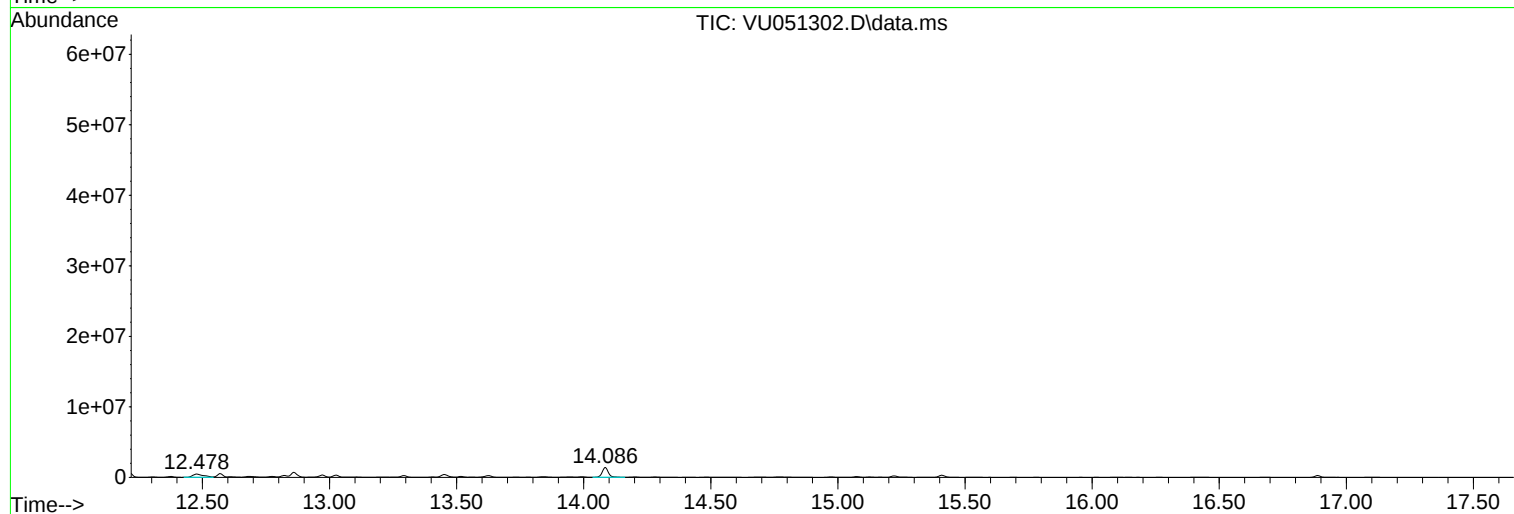
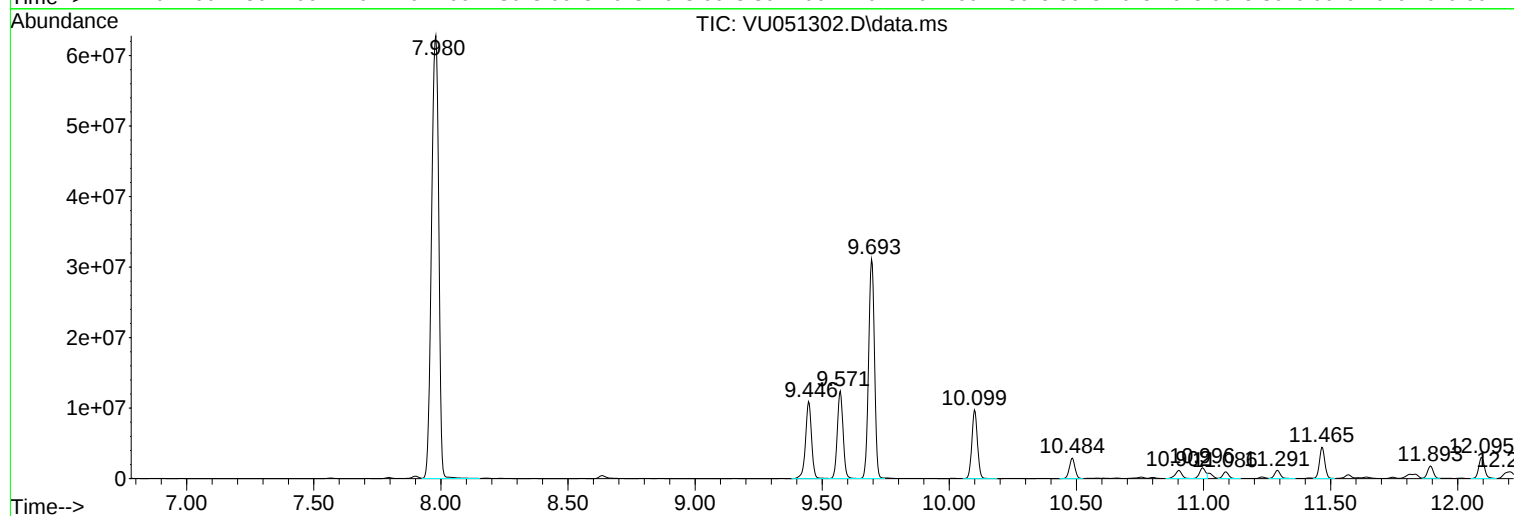
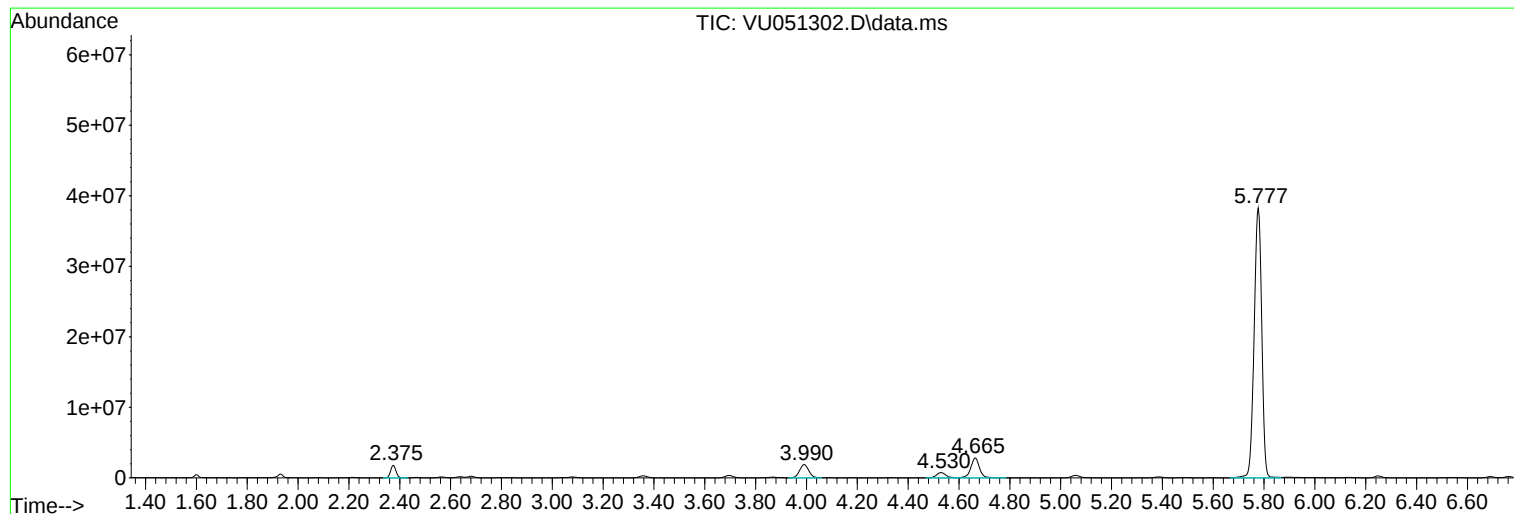
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ALS Vial : 9 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :  
BHA38

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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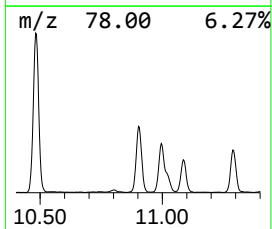
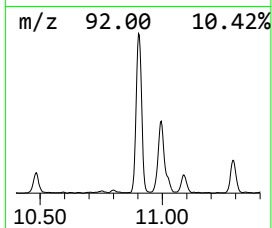
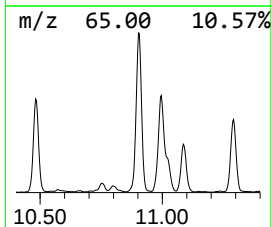
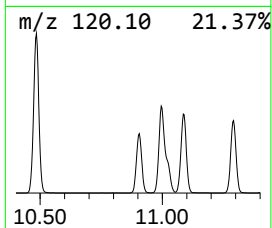
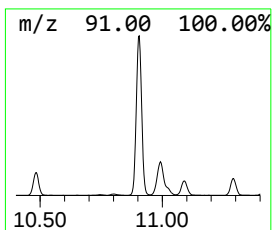
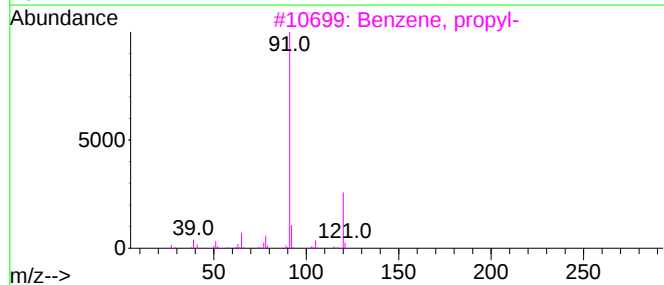
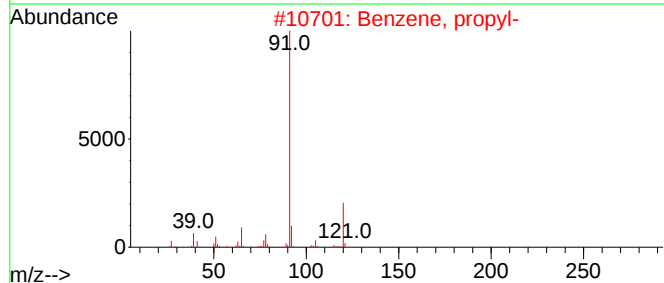
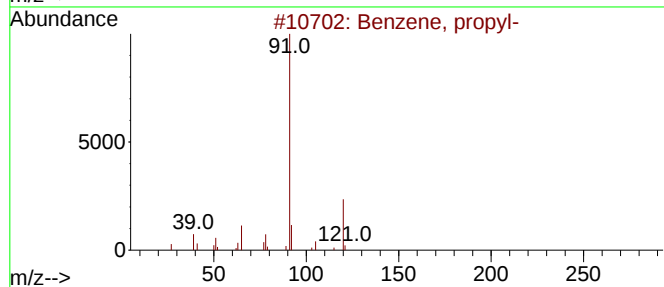
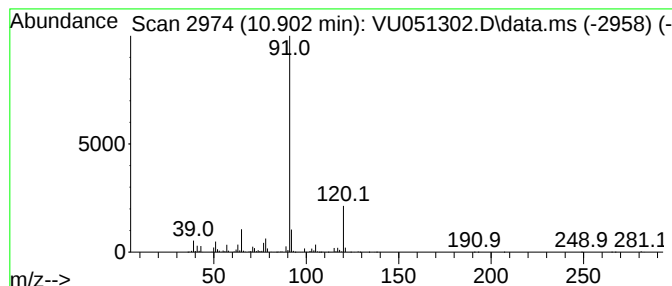
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 1 Benzene, propyl- Concentration Rank 5

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 10.902 | 3.83 ug/L | 2100670 | 1,4-Dichlorobenzene-d4 | 11.809 |

| 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 | 87   |
| 3    |    |   | Benzene, propyl-                    | 120 | C9H12    | 000103-65-1 | 83   |
| 4    |    |   | 1,2-Ethanediamine, N-(phenylmeth... | 150 | C9H14N2  | 004152-09-4 | 64   |
| 5    |    |   | 1-Benzylamino-2-benzyloxyethane     | 241 | C16H19NO | 038336-06-0 | 64   |



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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA38

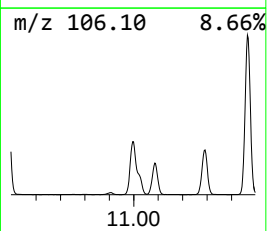
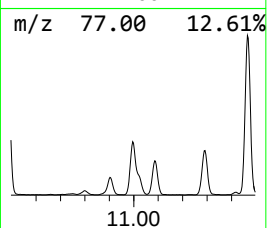
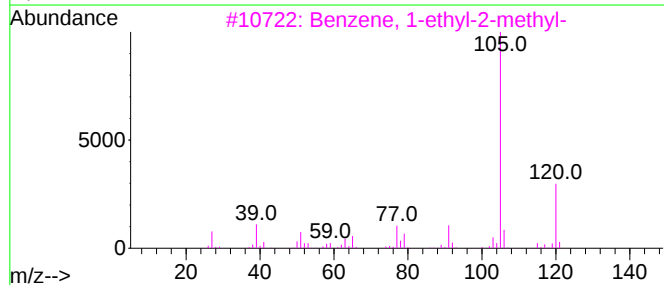
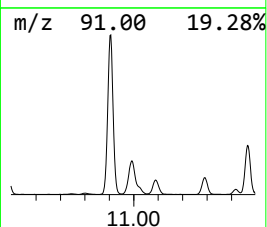
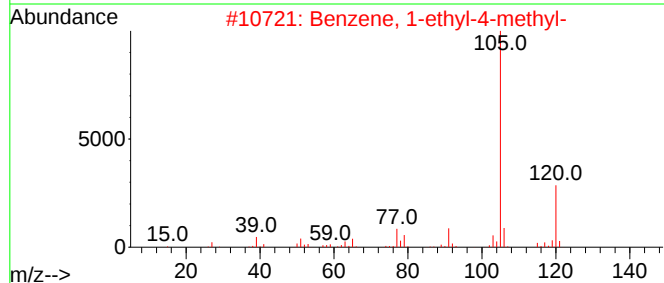
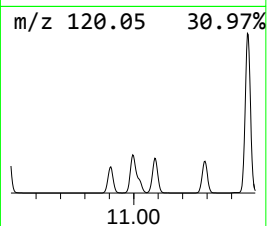
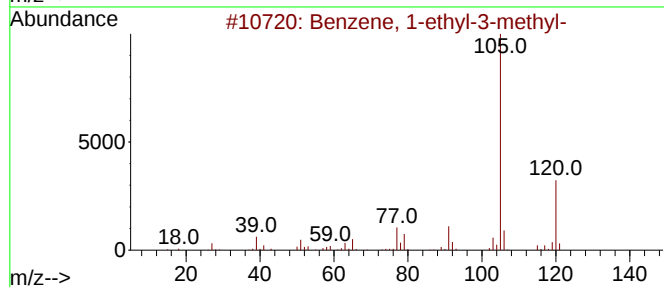
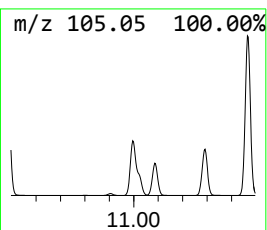
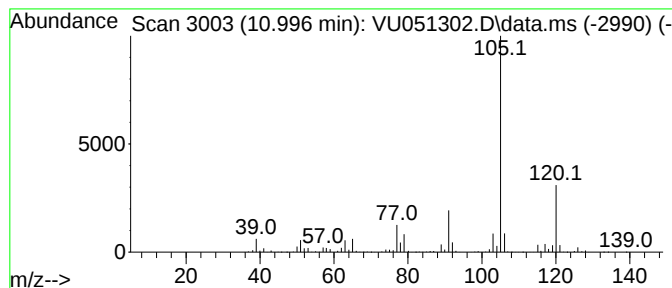
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 10.996 | 4.63 ug/L | 2540010 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |
| 2    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 90   |
| 3    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 90   |
| 4    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 90   |



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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA38

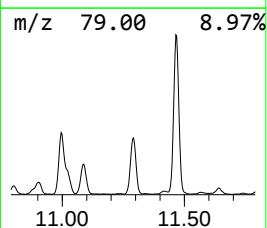
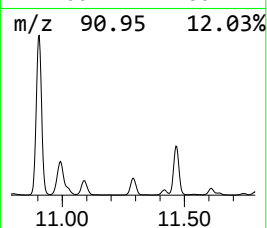
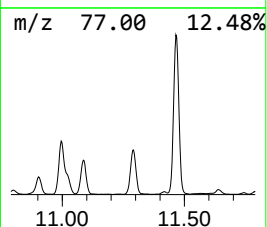
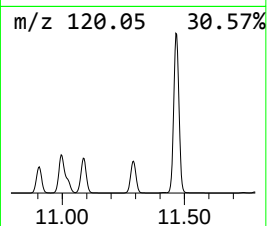
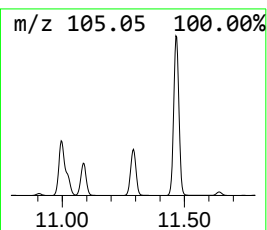
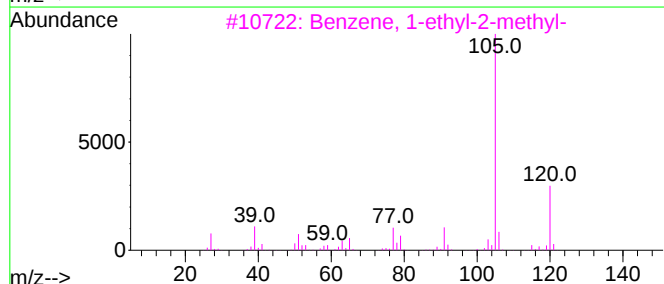
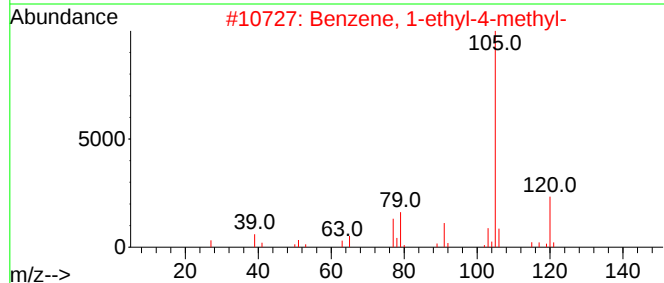
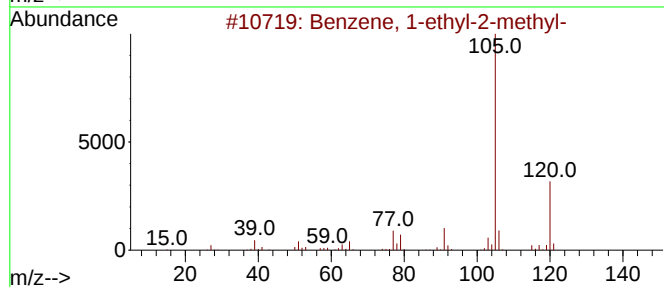
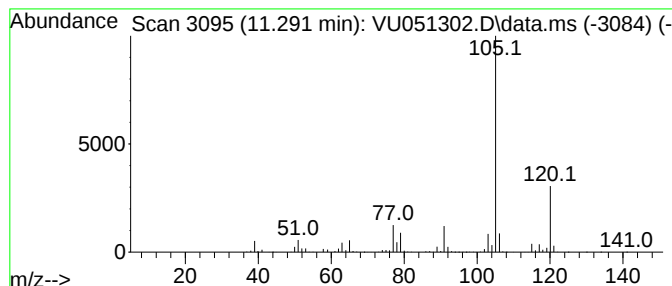
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 11.291 | 3.38 ug/L | 1857040 | 1,4-Dichlorobenzene-d4 | 11.809 |

| 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, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 90   |



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Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA38

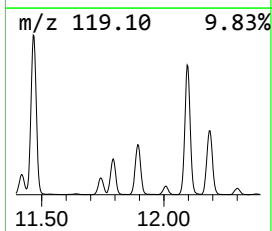
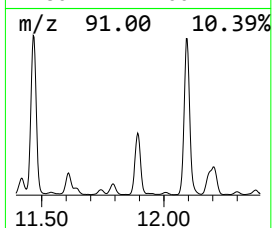
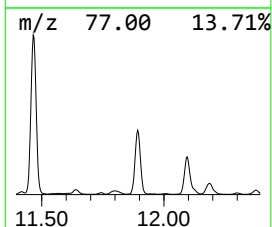
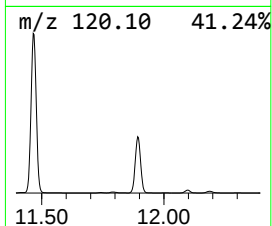
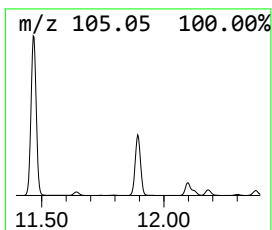
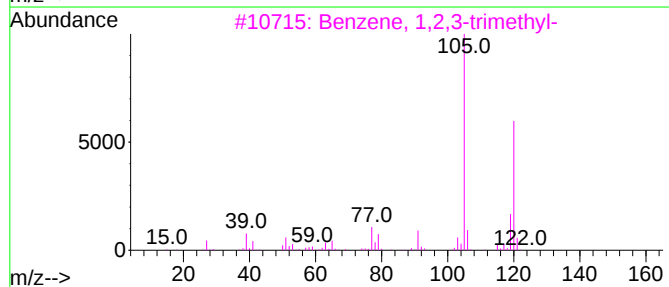
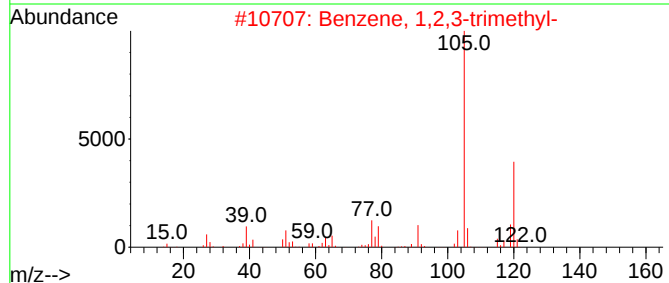
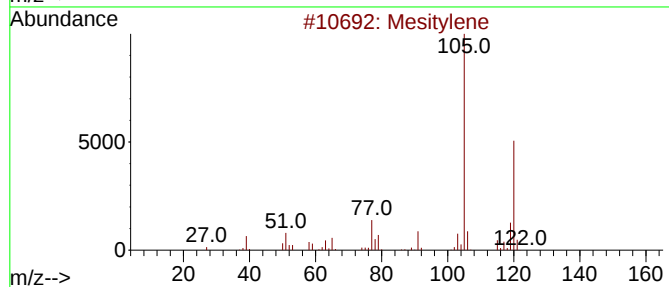
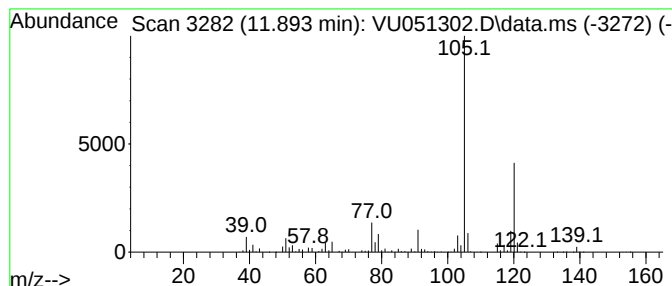
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 2

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 11.893 | 5.00 ug/L | 2743430 | 1,4-Dichlorobenzene-d4 | 11.809 |

| 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 | 94   |
| 4    |    |   | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 94   |
| 5    |    |   | Mesitylene                | 120 | C9H12   | 000108-67-8 | 93   |



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Instrument :  
MSVOA\_U  
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BHA38

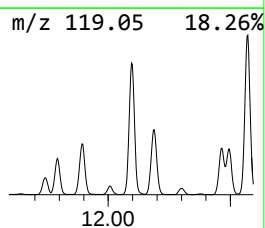
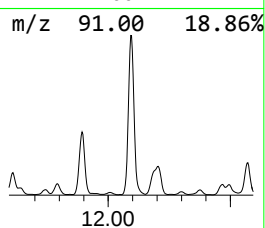
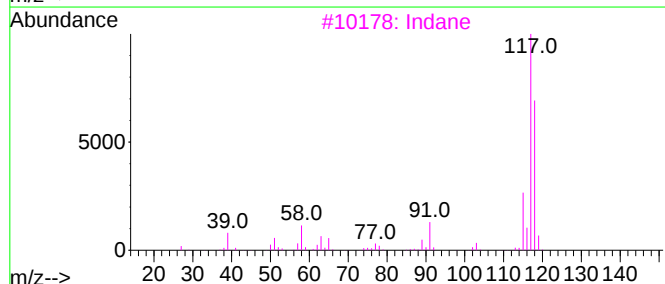
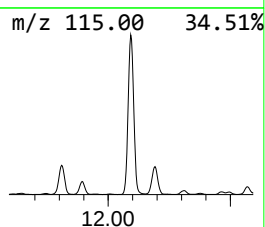
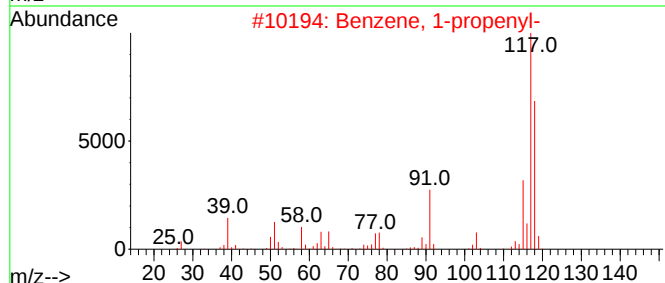
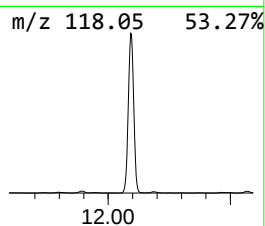
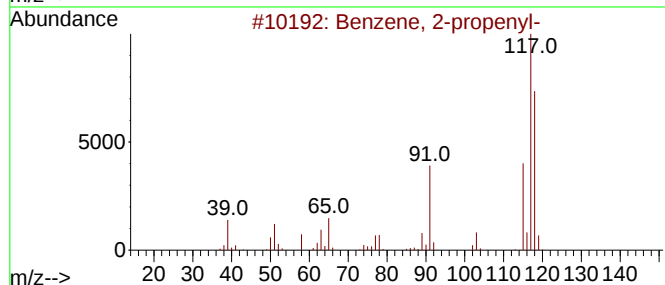
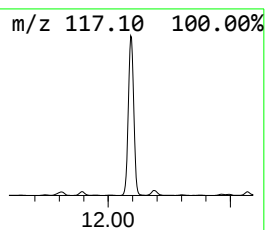
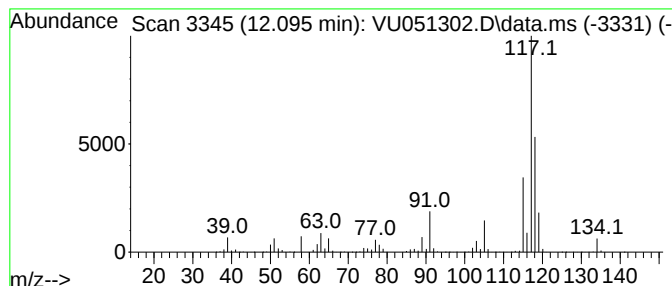
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 5 Benzene, 2-propenyl- Concentration Rank 1

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 12.095 | 8.73 ug/L | 4790970 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-propenyl-  | 118 | C9H10   | 000300-57-2 | 76   |
| 2    |    |   | Benzene, 1-propenyl-  | 118 | C9H10   | 000637-50-3 | 76   |
| 3    |    |   | Indane                | 118 | C9H10   | 000496-11-7 | 76   |
| 4    |    |   | Indane                | 118 | C9H10   | 000496-11-7 | 76   |
| 5    |    |   | Benzene, cyclopropyl- | 118 | C9H10   | 000873-49-4 | 76   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100922\  
Data File : VU051302.D  
Acq On : 09 Oct 2022 16:02  
Operator : JC/MD  
Sample : N5013-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA38

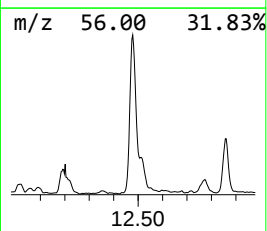
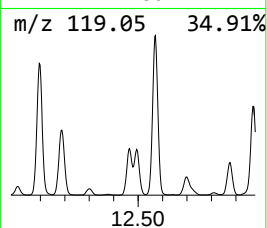
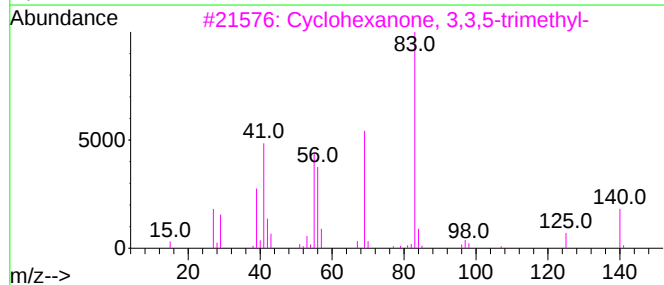
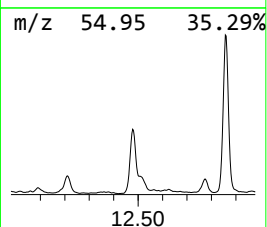
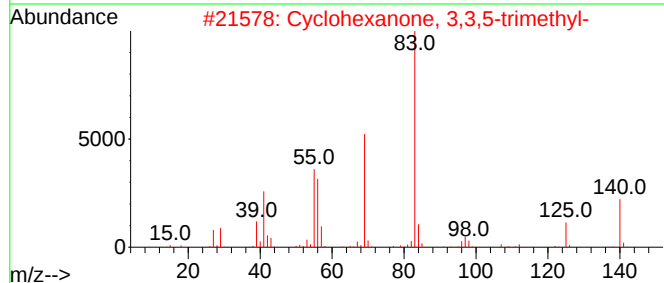
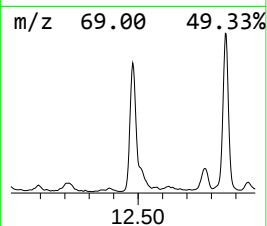
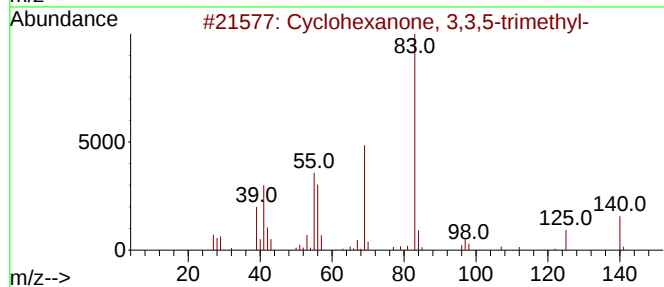
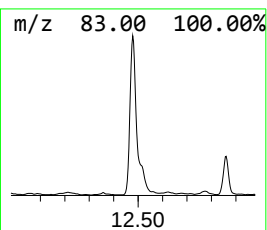
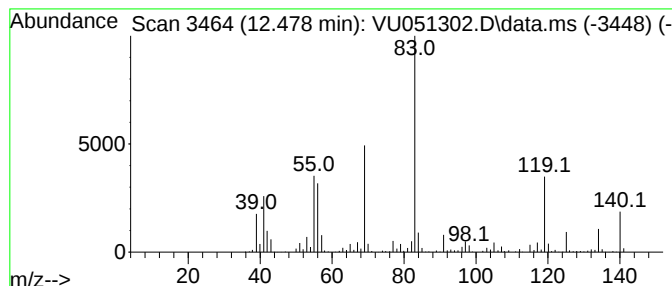
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 6 Cyclohexanone, 3,3,5-trimet... Concentration Rank 7

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 12.478 | 2.55 ug/L | 1399470 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O  | 000873-94-9 | 95   |
| 2    |    |   | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O  | 000873-94-9 | 95   |
| 3    |    |   | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O  | 000873-94-9 | 93   |
| 4    |    |   | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O  | 000873-94-9 | 76   |
| 5    |    |   | Cyclohexane, butyl-             | 140 | C10H20  | 001678-93-9 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100922\  
Data File : VU051302.D  
Acq On : 09 Oct 2022 16:02  
Operator : JC/MD  
Sample : N5013-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA38

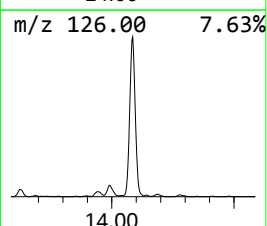
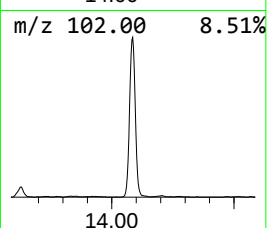
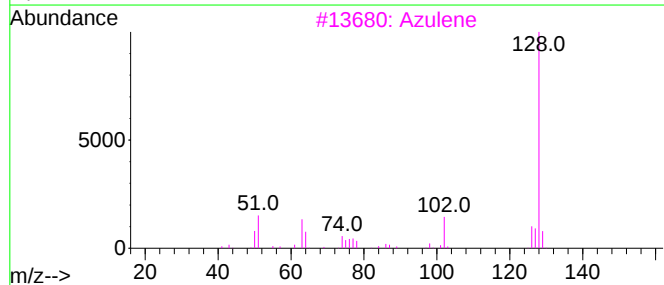
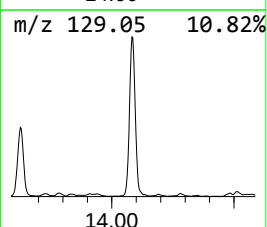
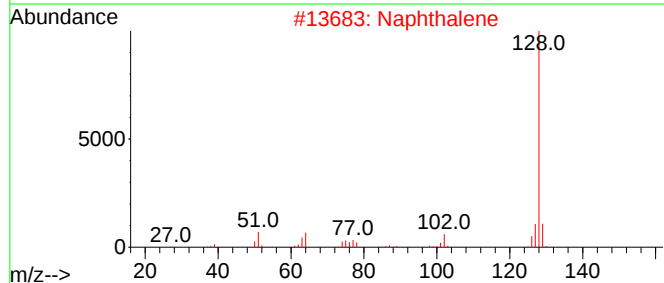
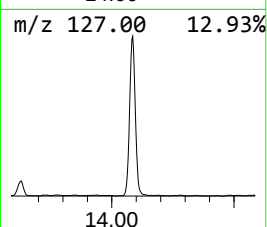
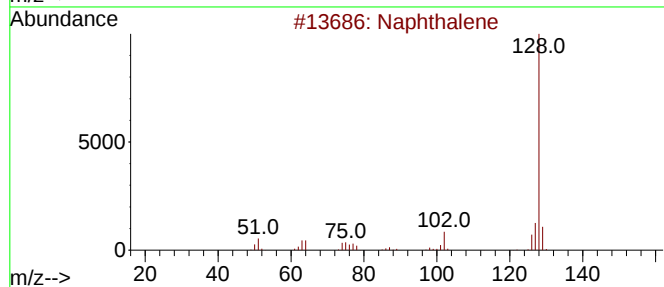
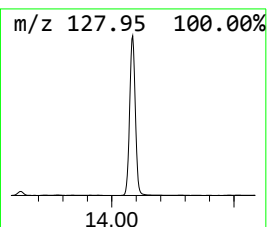
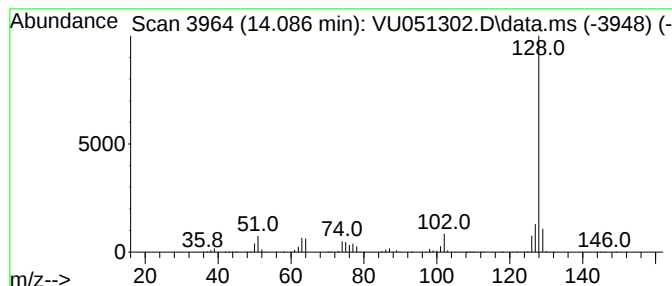
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 7 Azulene Concentration Rank 4

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 14.086 | 4.22 ug/L | 2315250 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 95   |
| 2    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 94   |
| 3    |    |   | Azulene      | 128 | C10H8   | 000275-51-4 | 91   |
| 4    |    |   | Azulene      | 128 | C10H8   | 000275-51-4 | 91   |
| 5    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100922\  
Data File : VU051302.D  
Acq On : 09 Oct 2022 16:02  
Operator : JC/MD  
Sample : N5013-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA38

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Benzene, propyl-   | 10.902 | 3.8     | ug/L  | 2100670  | 3                     | 11.809 | 2743430 | 5.0  |
| Benzene, 1-ethy... | 10.996 | 4.6     | ug/L  | 2540010  | 3                     | 11.809 | 2743430 | 5.0  |
| Benzene, 1-ethy... | 11.291 | 3.4     | ug/L  | 1857040  | 3                     | 11.809 | 2743430 | 5.0  |
| Benzene, 1,2,3-... | 11.893 | 5.0     | ug/L  | 2743430  | 3                     | 11.809 | 2743430 | 5.0  |
| Benzene, 2-prop... | 12.095 | 8.7     | ug/L  | 4790970  | 3                     | 11.809 | 2743430 | 5.0  |
| Cyclohexanone, ... | 12.478 | 2.5     | ug/L  | 1399470  | 3                     | 11.809 | 2743430 | 5.0  |
| Azulene            | 14.086 | 4.2     | ug/L  | 2315250  | 3                     | 11.809 | 2743430 | 5.0  |