

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102722\  
 Data File : VU051543.D  
 Acq On : 27 Oct 2022 16:42  
 Operator : JC/MD  
 Sample : N5270-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHA81

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: VU051543.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         | 1.597       | 70            | 80          | 87           | rBV      | 133043         | 187567        | 5.73%           | 0.991%        |
| 2         | 1.909       | 169           | 177         | 195          | rVB      | 101536         | 152280        | 4.65%           | 0.804%        |
| 3         | 2.376       | 311           | 322         | 339          | rVB      | 783301         | 1156805       | 35.33%          | 6.110%        |
| 4         | 2.565       | 368           | 381         | 394          | rBV      | 169128         | 279304        | 8.53%           | 1.475%        |
| 5         | 2.755       | 431           | 440         | 462          | rVB2     | 16867          | 33653         | 1.03%           | 0.178%        |
| 6         | 3.080       | 533           | 541         | 554          | rVB2     | 18038          | 36406         | 1.11%           | 0.192%        |
| 7         | 3.183       | 558           | 573         | 595          | rVB2     | 34533          | 81491         | 2.49%           | 0.430%        |
| 8         | 3.359       | 611           | 628         | 648          | rVB4     | 53740          | 122950        | 3.76%           | 0.649%        |
| 9         | 3.694       | 719           | 732         | 747          | rVB3     | 28165          | 60746         | 1.86%           | 0.321%        |
| 10        | 3.880       | 764           | 790         | 805          | rBV      | 19885          | 86648         | 2.65%           | 0.458%        |
| 11        | 3.990       | 805           | 824         | 853          | rBV      | 1282828        | 3274200       | 100.00%         | 17.293%       |
| 12        | 4.527       | 974           | 991         | 1007         | rBV2     | 71123          | 176959        | 5.40%           | 0.935%        |
| 13        | 4.620       | 1008          | 1020        | 1046         | rBV      | 184423         | 447788        | 13.68%          | 2.365%        |
| 14        | 5.057       | 1140          | 1156        | 1191         | rBV3     | 310641         | 772682        | 23.60%          | 4.081%        |
| 15        | 5.723       | 1341          | 1363        | 1368         | rBV2     | 366732         | 856288        | 26.15%          | 4.522%        |
| 16        | 5.771       | 1369          | 1378        | 1413         | rVB      | 1543069        | 3216558       | 98.24%          | 16.988%       |
| 17        | 6.247       | 1512          | 1526        | 1555         | rBV      | 356048         | 692807        | 21.16%          | 3.659%        |
| 18        | 6.687       | 1649          | 1663        | 1678         | rBV      | 226504         | 451671        | 13.79%          | 2.385%        |
| 19        | 6.758       | 1678          | 1685        | 1706         | rVB6     | 18739          | 42949         | 1.31%           | 0.227%        |
| 20        | 7.163       | 1799          | 1811        | 1829         | rBV6     | 16110          | 38620         | 1.18%           | 0.204%        |
| 21        | 7.565       | 1924          | 1936        | 1953         | rBV      | 94166          | 166360        | 5.08%           | 0.879%        |
| 22        | 7.896       | 2023          | 2039        | 2054         | rBV      | 381508         | 671932        | 20.52%          | 3.549%        |
| 23        | 7.970       | 2055          | 2062        | 2073         | rVB      | 21853          | 37583         | 1.15%           | 0.198%        |
| 24        | 8.179       | 2116          | 2127        | 2142         | rBV      | 56984          | 94688         | 2.89%           | 0.500%        |
| 25        | 8.629       | 2255          | 2267        | 2301         | rBV      | 531289         | 1004745       | 30.69%          | 5.307%        |
| 26        | 9.417       | 2499          | 2512        | 2517         | rBV      | 517047         | 906550        | 27.69%          | 4.788%        |
| 27        | 9.694       | 2583          | 2598        | 2610         | rBV      | 53352          | 95973         | 2.93%           | 0.507%        |
| 28        | 10.102      | 2715          | 2725        | 2737         | rVB4     | 19064          | 34986         | 1.07%           | 0.185%        |
| 29        | 10.481      | 2830          | 2843        | 2871         | rBV      | 935451         | 1469193       | 44.87%          | 7.759%        |
| 30        | 10.755      | 2908          | 2928        | 2950         | rVB      | 192229         | 326299        | 9.97%           | 1.723%        |
| 31        | 10.896      | 2957          | 2972        | 2994         | rBV3     | 54763          | 119055        | 3.64%           | 0.629%        |
| 32        | 11.292      | 3083          | 3095        | 3110         | rBV      | 46270          | 72084         | 2.20%           | 0.381%        |
| 33        | 11.809      | 3244          | 3256        | 3273         | rBV      | 483991         | 864549        | 26.40%          | 4.566%        |
| 34        | 11.890      | 3273          | 3281        | 3296         | rVB3     | 27795          | 49442         | 1.51%           | 0.261%        |
| 35        | 12.060      | 3323          | 3334        | 3338         | rBV4     | 29343          | 45935         | 1.40%           | 0.243%        |
| 36        | 12.095      | 3339          | 3345        | 3359         | rVV3     | 45585          | 75842         | 2.32%           | 0.401%        |

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Sample : N5270-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA81

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

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 12.192 | 3363 | 3375 | 3398 | rVB2 | 389025 | 730538 | 22.31% | 3.858% |
|----|--------|------|------|------|------|--------|--------|--------|--------|

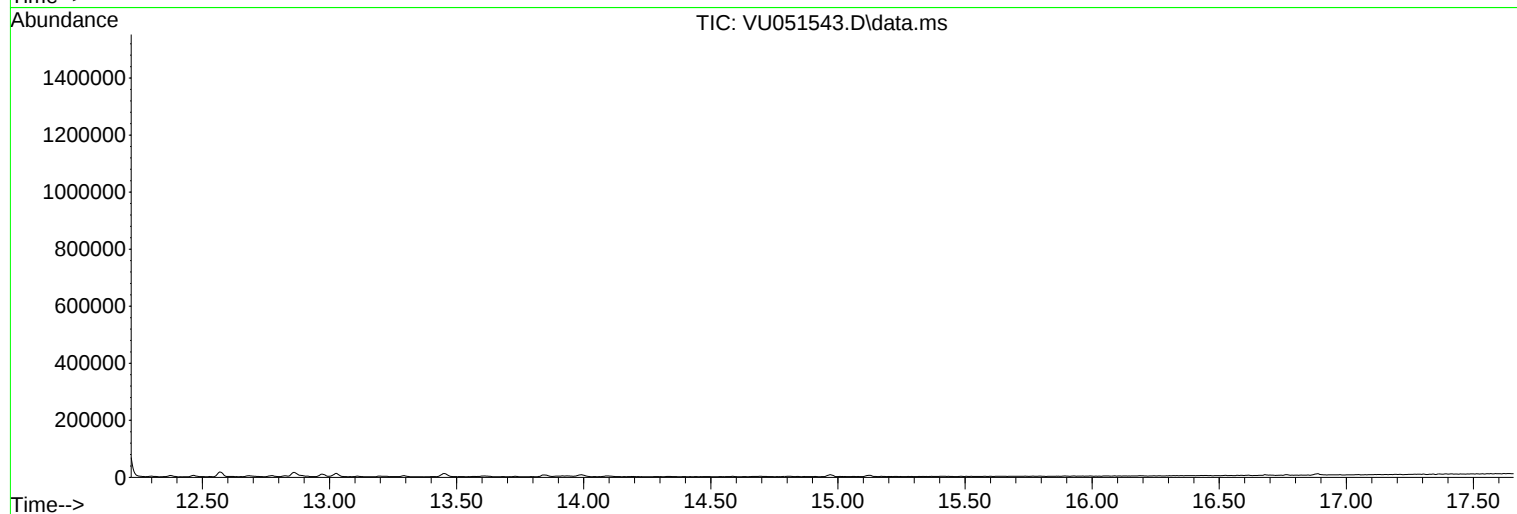
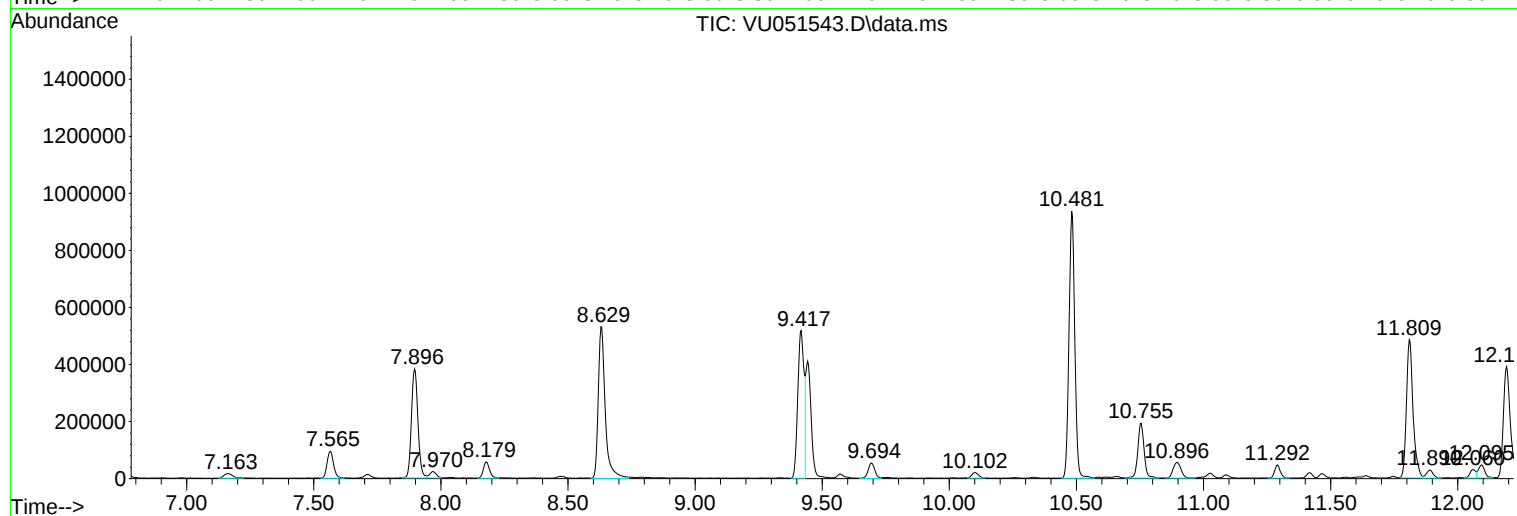
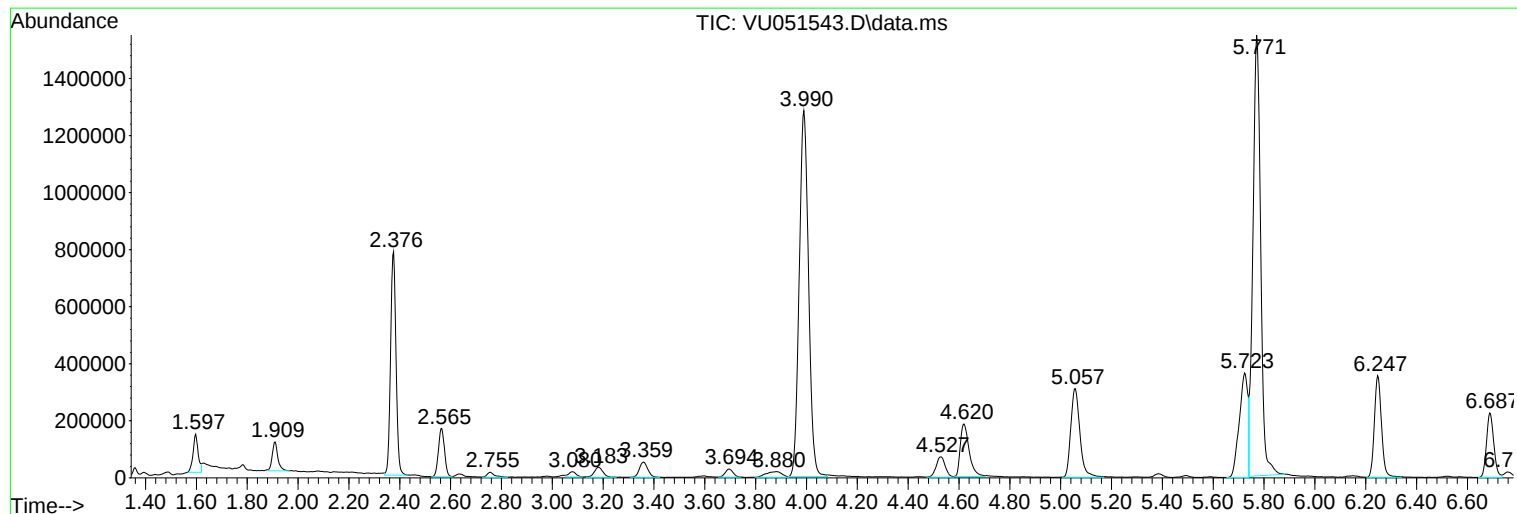
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102722\  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA81

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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Operator : JC/MD  
Sample : N5270-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA81

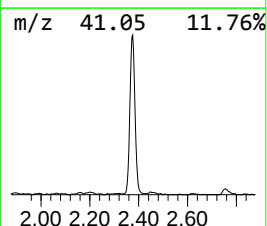
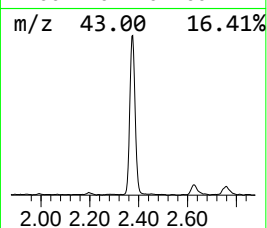
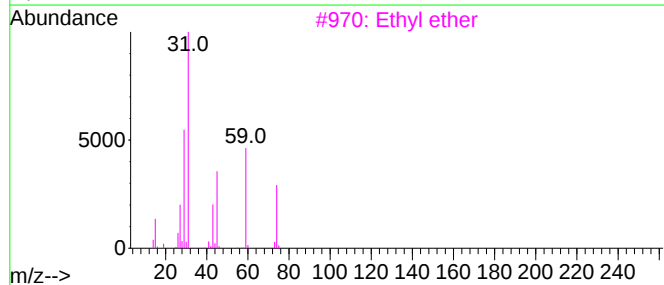
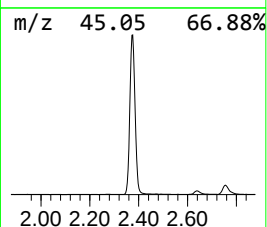
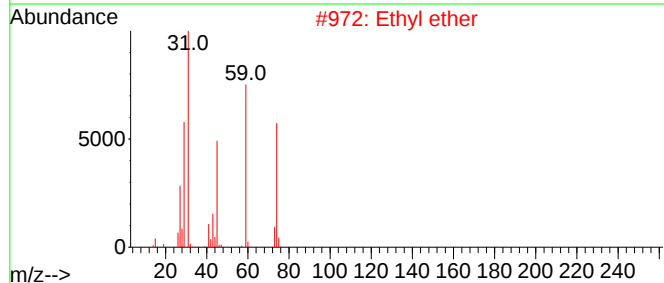
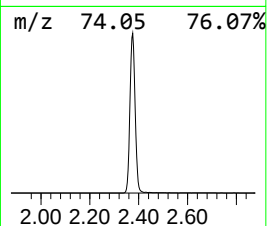
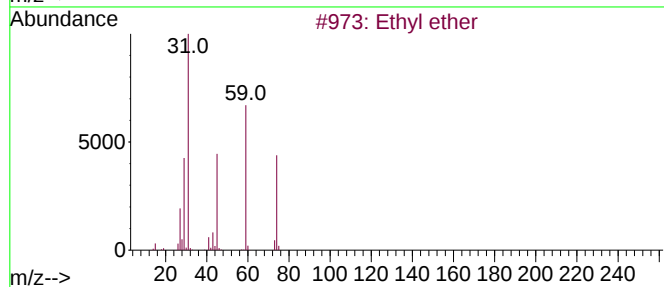
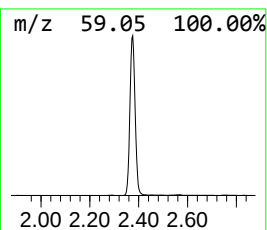
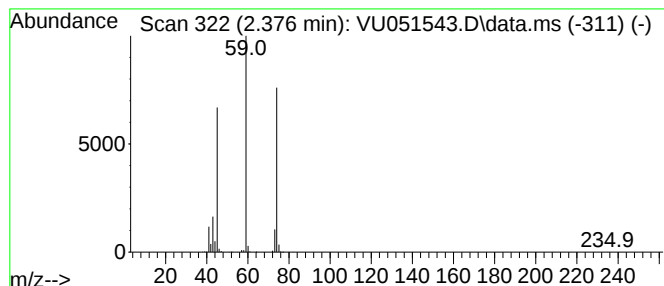
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 1 Ethyl ether Concentration Rank 2

| R.T.  | EstConc   | Area    | Relative to ISTD    | R.T.  |
|-------|-----------|---------|---------------------|-------|
| 2.376 | 8.35 ug/L | 1156810 | 1,4-Difluorobenzene | 6.247 |

| Hit# | of                    | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-----------------------|---|--------------|-----|---------|-------------|------|
| 1    | Ethyl ether           |   |              | 74  | C4H10O  | 000060-29-7 | 91   |
| 2    | Ethyl ether           |   |              | 74  | C4H10O  | 000060-29-7 | 90   |
| 3    | Ethyl ether           |   |              | 74  | C4H10O  | 000060-29-7 | 83   |
| 4    | Ethyl ether           |   |              | 74  | C4H10O  | 000060-29-7 | 72   |
| 5    | Ethane, 1,2-diethoxy- |   |              | 118 | C6H14O2 | 000629-14-1 | 43   |



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Sample : N5270-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA81

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

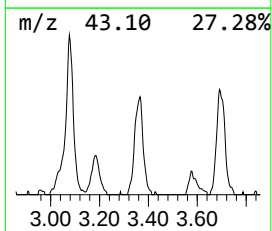
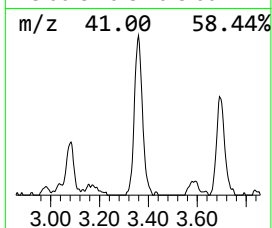
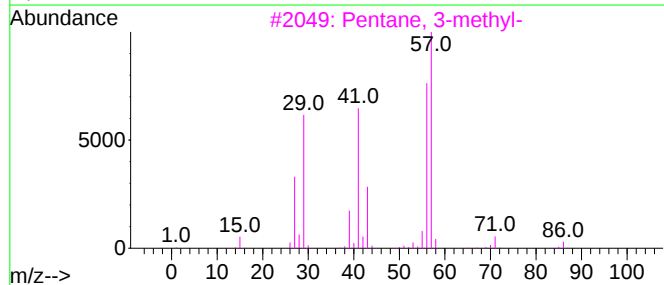
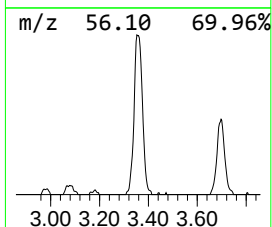
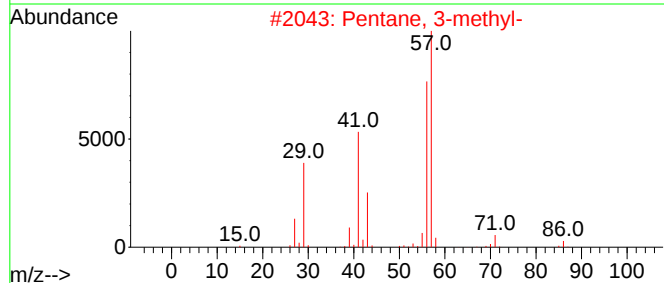
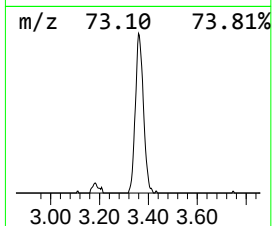
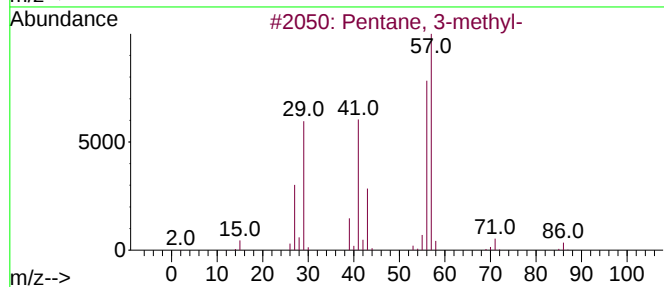
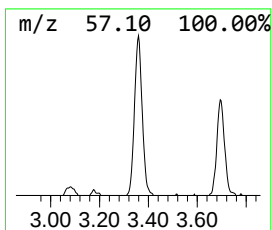
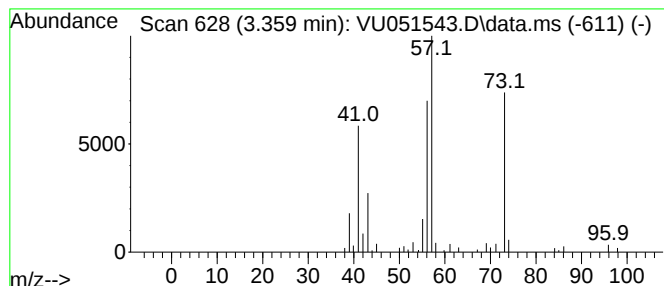
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 3.359 | 0.89 ug/L | 122950 | 1,4-Difluorobenzene | 6.247 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 3-methyl-             | 86  | C6H14   | 000096-14-0 | 49   |
| 2    |    |   | Pentane, 3-methyl-             | 86  | C6H14   | 000096-14-0 | 46   |
| 3    |    |   | Pentane, 3-methyl-             | 86  | C6H14   | 000096-14-0 | 46   |
| 4    |    |   | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20   | 016747-32-3 | 43   |
| 5    |    |   | Hexane, 2,2,3-trimethyl-       | 128 | C9H20   | 016747-25-4 | 43   |



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Sample : N5270-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA81

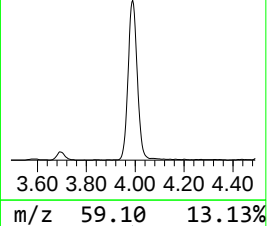
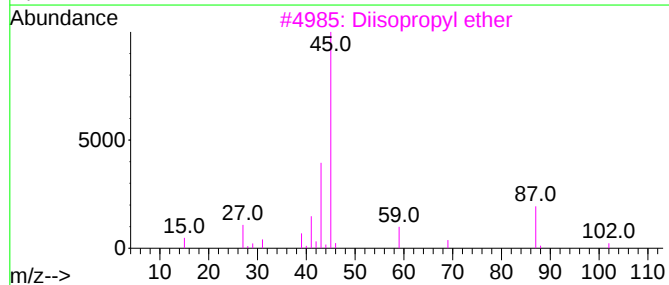
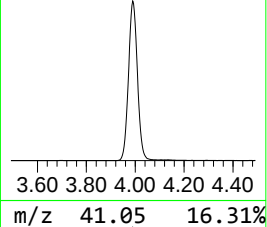
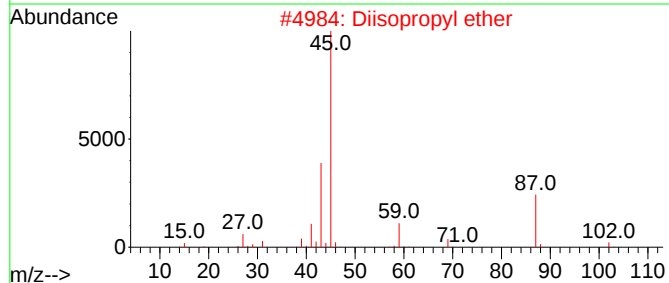
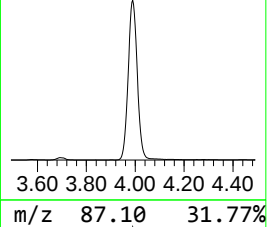
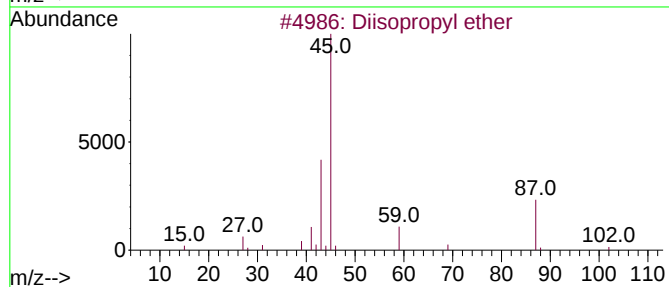
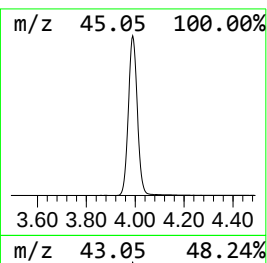
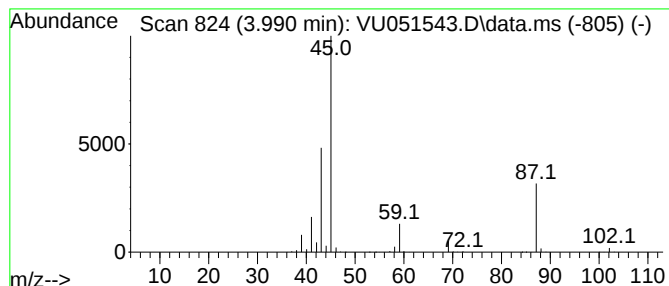
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 5 Diisopropyl ether Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD    | R.T.  |
|-------|------------|---------|---------------------|-------|
| 3.990 | 23.63 ug/L | 3274200 | 1,4-Difluorobenzene | 6.247 |

| 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 | 90   |
| 3    |    |   | Diisopropyl ether | 102 | C6H14O  | 000108-20-3 | 86   |
| 4    |    |   | Diisopropyl ether | 102 | C6H14O  | 000108-20-3 | 83   |
| 5    |    |   | Diisopropyl ether | 102 | C6H14O  | 000108-20-3 | 83   |



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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA81

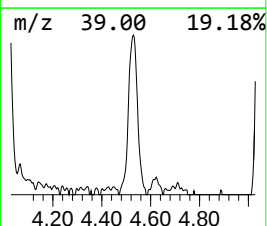
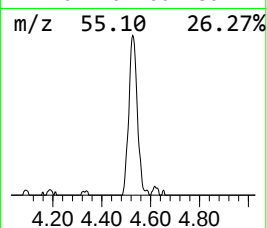
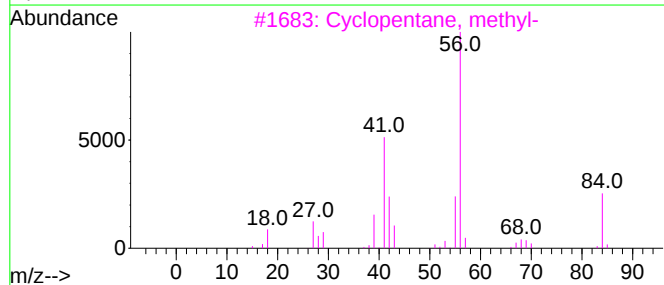
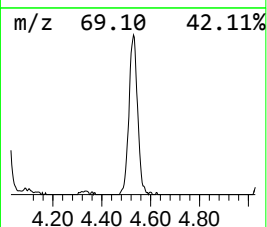
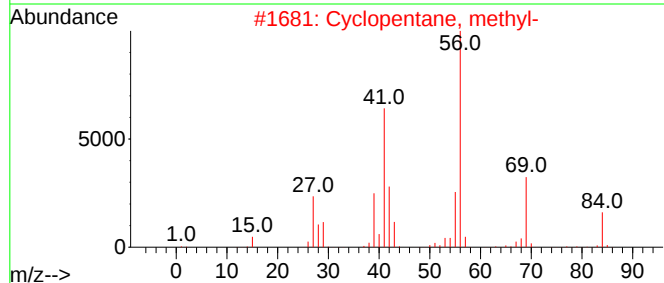
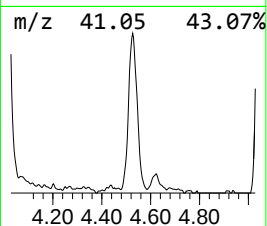
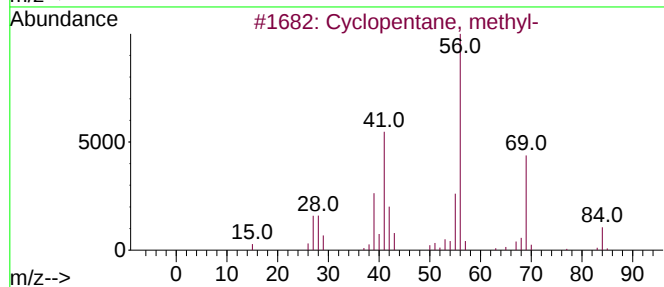
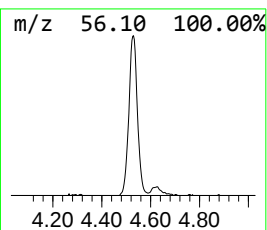
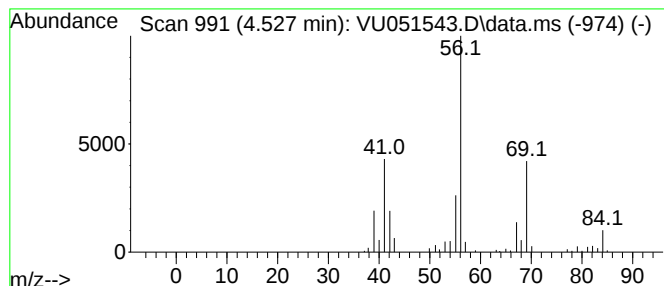
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 6 (DEL) Alkane: Cyclic4.527 Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 4.527 | 1.28 ug/L | 176959 | 1,4-Difluorobenzene | 6.247 |

| 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 | 86   |
| 3    |      | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 80   |
| 4    |      | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 78   |
| 5    |      | Cyclohexane           | 84 | C6H12   | 000110-82-7 | 78   |



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Sample : N5270-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA81

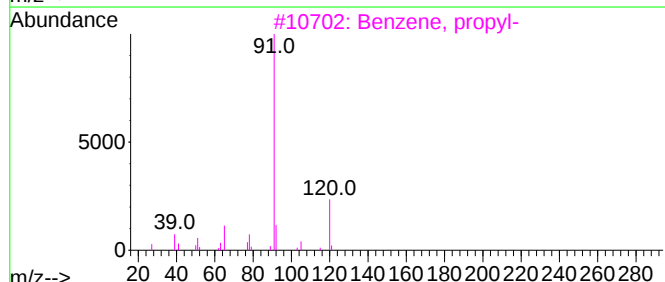
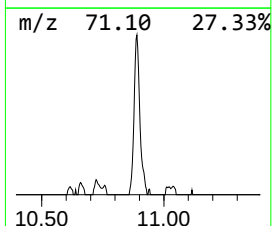
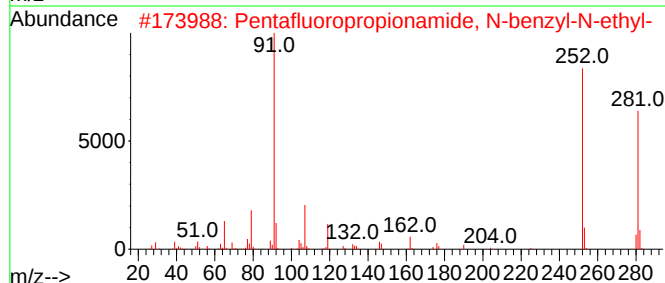
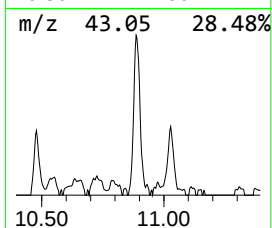
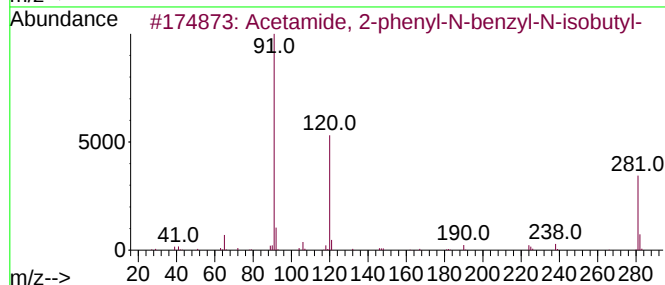
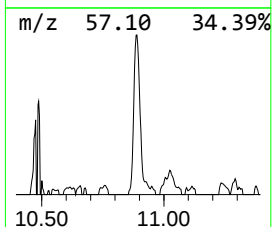
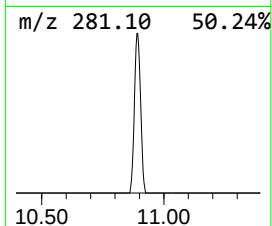
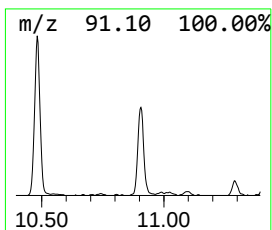
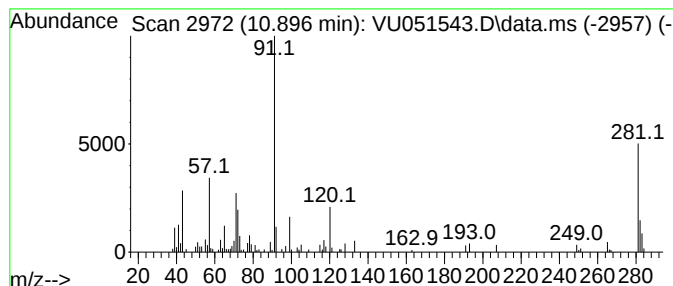
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 8 unknown-01 Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 10.896 | 0.69 ug/L | 119055 | 1,4-Dichlorobenzene-d4 | 11.809 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Acetamide, 2-phenyl-N-benzyl-N-i... | 281 | C19H23NO   | 1000446-79-5 | 47   |
| 2    |    |   | Pentafluoropropionamide, N-benzy... | 281 | C12H12F5NO | 1000451-88-1 | 38   |
| 3    |    |   | Benzene, propyl-                    | 120 | C9H12      | 000103-65-1  | 35   |
| 4    |    |   | Benzene, propyl-                    | 120 | C9H12      | 000103-65-1  | 35   |
| 5    |    |   | Benzene, propyl-                    | 120 | C9H12      | 000103-65-1  | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102722\  
Data File : VU051543.D  
Acq On : 27 Oct 2022 16:42  
Operator : JC/MD  
Sample : N5270-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA81

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Ethyl ether        | 2.376  | 8.3     | ug/L  | 1156810  | 1                     | 6.247  | 692807 | 5.0  |
| (DEL) Alkane: S... | 3.359  | 0.9     | ug/L  | 122950   | 1                     | 6.247  | 692807 | 5.0  |
| Diisopropyl ether  | 3.990  | 23.6    | ug/L  | 3274200  | 1                     | 6.247  | 692807 | 5.0  |
| (DEL) Alkane: C... | 4.527  | 1.3     | ug/L  | 176959   | 1                     | 6.247  | 692807 | 5.0  |
| unknown-01         | 10.896 | 0.7     | ug/L  | 119055   | 3                     | 11.809 | 864549 | 5.0  |