

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
 Data File : VU044268.D  
 Acq On : 30 Jun 2021 18:27  
 Operator : SY/MD  
 Sample : M2905-12  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBK35

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\SFAMUTR062121WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VU044268.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         | 1.604       | 70            | 82          | 105          | rBV3     | 109053         | 224863        | 2.77%           | 0.361%        |
| 2         | 2.572       | 367           | 383         | 402          | rBV2     | 122509         | 234362        | 2.89%           | 0.376%        |
| 3         | 3.363       | 617           | 629         | 648          | rVB      | 43366          | 86251         | 1.06%           | 0.139%        |
| 4         | 3.594       | 684           | 701         | 730          | rBV      | 59847          | 175548        | 2.16%           | 0.282%        |
| 5         | 4.459       | 952           | 970         | 1015         | rBV      | 387203         | 1217539       | 15.01%          | 1.956%        |
| 6         | 4.671       | 1021          | 1036        | 1092         | rVB3     | 75459          | 302137        | 3.72%           | 0.485%        |
| 7         | 5.073       | 1147          | 1161        | 1178         | rBV      | 103906         | 227455        | 2.80%           | 0.365%        |
| 8         | 5.736       | 1346          | 1367        | 1373         | rBV2     | 203054         | 516402        | 6.37%           | 0.830%        |
| 9         | 5.784       | 1374          | 1382        | 1404         | rVB      | 362752         | 723283        | 8.92%           | 1.162%        |
| 10        | 6.256       | 1514          | 1529        | 1543         | rBV      | 199676         | 380121        | 4.69%           | 0.611%        |
| 11        | 6.700       | 1654          | 1667        | 1680         | rBV      | 127629         | 244451        | 3.01%           | 0.393%        |
| 12        | 7.571       | 1926          | 1938        | 1958         | rBV      | 69689          | 126380        | 1.56%           | 0.203%        |
| 13        | 7.906       | 2030          | 2042        | 2055         | rVB      | 263690         | 446894        | 5.51%           | 0.718%        |
| 14        | 8.189       | 2120          | 2130        | 2150         | rBV3     | 52458          | 160848        | 1.98%           | 0.258%        |
| 15        | 8.642       | 2258          | 2271        | 2313         | rBV      | 308366         | 675041        | 8.32%           | 1.084%        |
| 16        | 8.887       | 2335          | 2347        | 2366         | rVB      | 57161          | 99066         | 1.22%           | 0.159%        |
| 17        | 9.423       | 2503          | 2514        | 2531         | rBV2     | 286079         | 620251        | 7.65%           | 0.996%        |
| 18        | 9.494       | 2531          | 2536        | 2554         | rVB      | 48774          | 82449         | 1.02%           | 0.132%        |
| 19        | 9.604       | 2556          | 2570        | 2579         | rBV      | 81954          | 134426        | 1.66%           | 0.216%        |
| 20        | 9.697       | 2579          | 2599        | 2632         | rVB8     | 400414         | 1125077       | 13.87%          | 1.807%        |
| 21        | 10.488      | 2833          | 2845        | 2860         | rBV      | 78949          | 137679        | 1.70%           | 0.221%        |
| 22        | 10.710      | 2903          | 2914        | 2924         | rBV      | 532242         | 876761        | 10.81%          | 1.408%        |
| 23        | 10.764      | 2924          | 2931        | 2940         | rVB      | 93809          | 148165        | 1.83%           | 0.238%        |
| 24        | 10.909      | 2969          | 2976        | 2986         | rVB      | 67463          | 107444        | 1.32%           | 0.173%        |
| 25        | 10.967      | 2986          | 2994        | 3007         | rBV3     | 59509          | 99032         | 1.22%           | 0.159%        |
| 26        | 11.095      | 3017          | 3034        | 3045         | rVV2     | 272203         | 477571        | 5.89%           | 0.767%        |
| 27        | 11.153      | 3045          | 3052        | 3068         | rVB      | 57068          | 95003         | 1.17%           | 0.153%        |
| 28        | 11.298      | 3090          | 3097        | 3117         | rVB3     | 47179          | 90555         | 1.12%           | 0.145%        |
| 29        | 11.423      | 3120          | 3136        | 3142         | rBV2     | 38090          | 82907         | 1.02%           | 0.133%        |
| 30        | 11.465      | 3143          | 3149        | 3162         | rVB4     | 51738          | 92411         | 1.14%           | 0.148%        |
| 31        | 11.558      | 3163          | 3178        | 3187         | rBV5     | 53148          | 121335        | 1.50%           | 0.195%        |
| 32        | 11.645      | 3199          | 3205        | 3215         | rVB4     | 60012          | 92862         | 1.14%           | 0.149%        |
| 33        | 11.729      | 3221          | 3231        | 3240         | rBV      | 262100         | 437693        | 5.40%           | 0.703%        |
| 34        | 11.848      | 3250          | 3268        | 3288         | rVB      | 4790254        | 8111289       | 100.00%         | 13.030%       |
| 35        | 11.948      | 3289          | 3299        | 3305         | rBV      | 184573         | 292001        | 3.60%           | 0.469%        |
| 36        | 11.983      | 3306          | 3310        | 3316         | rVV4     | 102089         | 145149        | 1.79%           | 0.233%        |

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 Sample : M2905-12  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBK35

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\SFAMUTR062121WMA.M  
 Title : TRACE VOA SFAM1.0

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 37 | 12.047 | 3320 | 3330 | 3339 | rVV  | 1065105 | 1723961 | 21.25% | 2.769%  |
| 38 | 12.102 | 3339 | 3347 | 3359 | rVB2 | 750522  | 1175325 | 14.49% | 1.888%  |
| 39 | 12.198 | 3365 | 3377 | 3385 | rBV2 | 369089  | 673358  | 8.30%  | 1.082%  |
| 40 | 12.263 | 3391 | 3397 | 3405 | rVB  | 169450  | 253650  | 3.13%  | 0.407%  |
| 41 | 12.308 | 3405 | 3411 | 3418 | rBV2 | 86737   | 117622  | 1.45%  | 0.189%  |
| 42 | 12.385 | 3427 | 3435 | 3448 | rVB5 | 140377  | 241052  | 2.97%  | 0.387%  |
| 43 | 12.456 | 3448 | 3457 | 3472 | rVB4 | 105608  | 189884  | 2.34%  | 0.305%  |
| 44 | 12.581 | 3475 | 3496 | 3505 | rBV2 | 563438  | 967378  | 11.93% | 1.554%  |
| 45 | 12.729 | 3533 | 3542 | 3561 | rVB3 | 419745  | 922651  | 11.37% | 1.482%  |
| 46 | 12.835 | 3561 | 3575 | 3583 | rBV2 | 563887  | 1119681 | 13.80% | 1.799%  |
| 47 | 12.874 | 3583 | 3587 | 3597 | rVB4 | 131849  | 196987  | 2.43%  | 0.316%  |
| 48 | 12.947 | 3598 | 3610 | 3616 | rBV3 | 242487  | 431584  | 5.32%  | 0.693%  |
| 49 | 13.015 | 3616 | 3631 | 3645 | rVB  | 2531008 | 4428908 | 54.60% | 7.115%  |
| 50 | 13.108 | 3646 | 3660 | 3672 | rBV  | 2453303 | 3807395 | 46.94% | 6.116%  |
| 51 | 13.179 | 3673 | 3682 | 3690 | rBV3 | 119023  | 199514  | 2.46%  | 0.321%  |
| 52 | 13.263 | 3694 | 3708 | 3724 | rVB2 | 286593  | 690463  | 8.51%  | 1.109%  |
| 53 | 13.353 | 3725 | 3736 | 3740 | rBV5 | 142674  | 252643  | 3.11%  | 0.406%  |
| 54 | 13.410 | 3748 | 3754 | 3762 | rVB2 | 291382  | 431054  | 5.31%  | 0.692%  |
| 55 | 13.462 | 3762 | 3770 | 3773 | rBV3 | 183516  | 260677  | 3.21%  | 0.419%  |
| 56 | 13.494 | 3773 | 3780 | 3788 | rVV  | 592126  | 900862  | 11.11% | 1.447%  |
| 57 | 13.539 | 3789 | 3794 | 3803 | rVB  | 120108  | 169063  | 2.08%  | 0.272%  |
| 58 | 13.668 | 3826 | 3834 | 3846 | rVV4 | 274519  | 531655  | 6.55%  | 0.854%  |
| 59 | 13.738 | 3846 | 3856 | 3874 | rVV2 | 961975  | 1850799 | 22.82% | 2.973%  |
| 60 | 13.828 | 3874 | 3884 | 3893 | rVV2 | 514542  | 815434  | 10.05% | 1.310%  |
| 61 | 13.877 | 3893 | 3899 | 3909 | rVB3 | 71029   | 109556  | 1.35%  | 0.176%  |
| 62 | 13.976 | 3915 | 3930 | 3953 | rBV  | 4331160 | 7540918 | 92.97% | 12.114% |
| 63 | 14.195 | 3981 | 3998 | 4020 | rVB8 | 216824  | 748126  | 9.22%  | 1.202%  |
| 64 | 14.327 | 4029 | 4039 | 4047 | rBV  | 406003  | 643989  | 7.94%  | 1.035%  |
| 65 | 14.381 | 4047 | 4056 | 4069 | rVV3 | 498833  | 1034195 | 12.75% | 1.661%  |
| 66 | 14.443 | 4069 | 4075 | 4085 | rVB  | 291670  | 422096  | 5.20%  | 0.678%  |
| 67 | 14.536 | 4095 | 4104 | 4111 | rBV4 | 155903  | 256222  | 3.16%  | 0.412%  |
| 68 | 14.584 | 4111 | 4119 | 4134 | rVB  | 808834  | 1154907 | 14.24% | 1.855%  |
| 69 | 14.658 | 4135 | 4142 | 4161 | rVB6 | 140147  | 329269  | 4.06%  | 0.529%  |
| 70 | 14.758 | 4162 | 4173 | 4181 | rBV  | 900130  | 1461160 | 18.01% | 2.347%  |
| 71 | 14.851 | 4195 | 4202 | 4209 | rBV3 | 82176   | 111790  | 1.38%  | 0.180%  |
| 72 | 14.899 | 4209 | 4217 | 4229 | rVB2 | 96521   | 154574  | 1.91%  | 0.248%  |
| 73 | 15.060 | 4260 | 4267 | 4274 | rBV2 | 54860   | 83892   | 1.03%  | 0.135%  |
| 74 | 15.102 | 4274 | 4280 | 4284 | rBV3 | 65708   | 84070   | 1.04%  | 0.135%  |
| 75 | 15.189 | 4296 | 4307 | 4319 | rVB  | 1641453 | 2562836 | 31.60% | 4.117%  |
| 76 | 15.269 | 4325 | 4332 | 4342 | rVB  | 123653  | 200472  | 2.47%  | 0.322%  |

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 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBK35

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\SFAMUTR062121WMA.M  
 Title : TRACE VOA SFAM1.0

|    |        |      |      |      |      |        |        |       |        |
|----|--------|------|------|------|------|--------|--------|-------|--------|
| 77 | 15.369 | 4349 | 4363 | 4369 | rBV7 | 275369 | 606568 | 7.48% | 0.974% |
| 78 | 15.407 | 4369 | 4375 | 4384 | rVB  | 328858 | 516268 | 6.36% | 0.829% |
| 79 | 15.542 | 4408 | 4417 | 4420 | rBV2 | 79357  | 121449 | 1.50% | 0.195% |
| 80 | 15.655 | 4442 | 4452 | 4460 | rBV  | 268811 | 472469 | 5.82% | 0.759% |
| 81 | 15.754 | 4474 | 4483 | 4490 | rBV  | 63398  | 101672 | 1.25% | 0.163% |
| 82 | 15.809 | 4492 | 4500 | 4527 | rVB3 | 105853 | 242570 | 2.99% | 0.390% |
| 83 | 15.996 | 4549 | 4558 | 4571 | rVB7 | 54004  | 106952 | 1.32% | 0.172% |
| 84 | 16.070 | 4574 | 4581 | 4587 | rBV2 | 54664  | 84701  | 1.04% | 0.136% |
| 85 | 16.111 | 4588 | 4594 | 4604 | rVB6 | 53796  | 101397 | 1.25% | 0.163% |
| 86 | 16.201 | 4613 | 4622 | 4646 | rVB6 | 136391 | 314394 | 3.88% | 0.505% |
| 87 | 16.391 | 4671 | 4681 | 4701 | rBV4 | 134264 | 280343 | 3.46% | 0.450% |
| 88 | 16.832 | 4807 | 4818 | 4832 | rVB6 | 80150  | 160390 | 1.98% | 0.258% |
| 89 | 17.018 | 4866 | 4876 | 4894 | rBV  | 380534 | 583242 | 7.19% | 0.937% |
| 90 | 17.442 | 5000 | 5008 | 5034 | rVB6 | 39551  | 96471  | 1.19% | 0.155% |

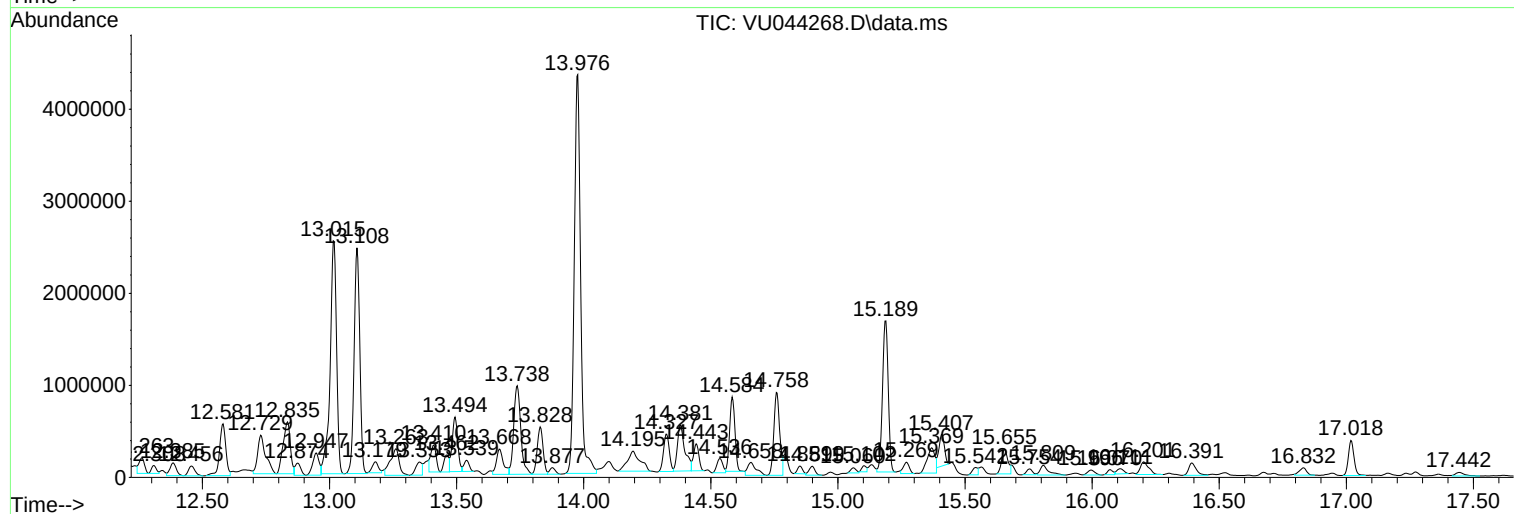
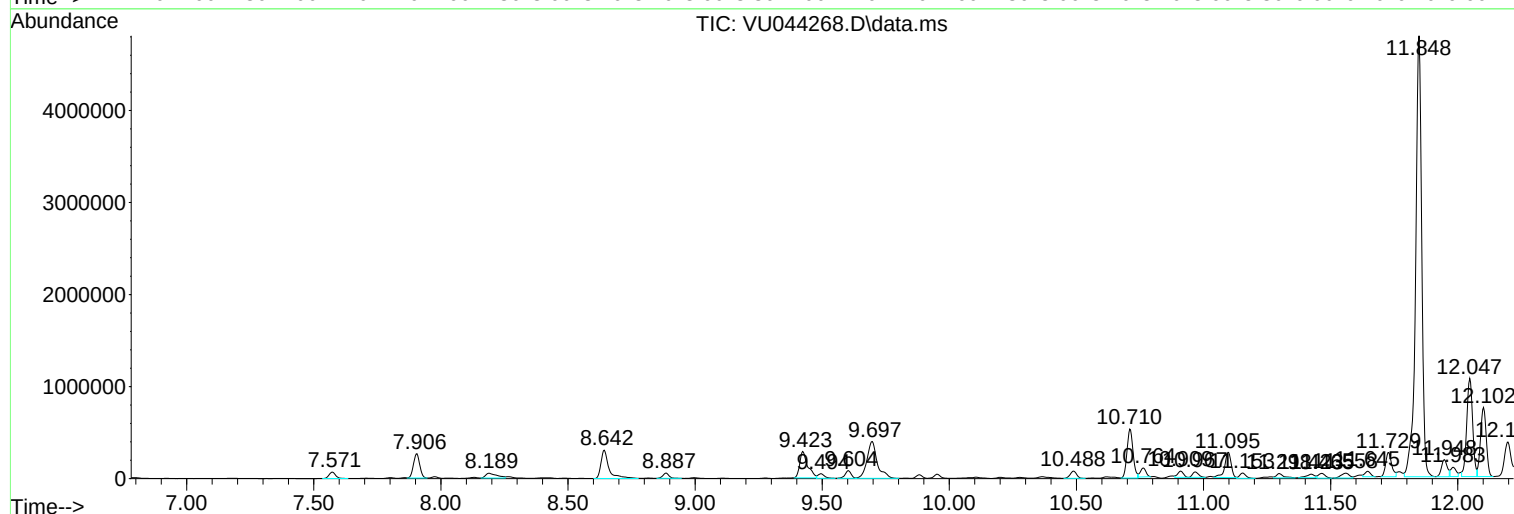
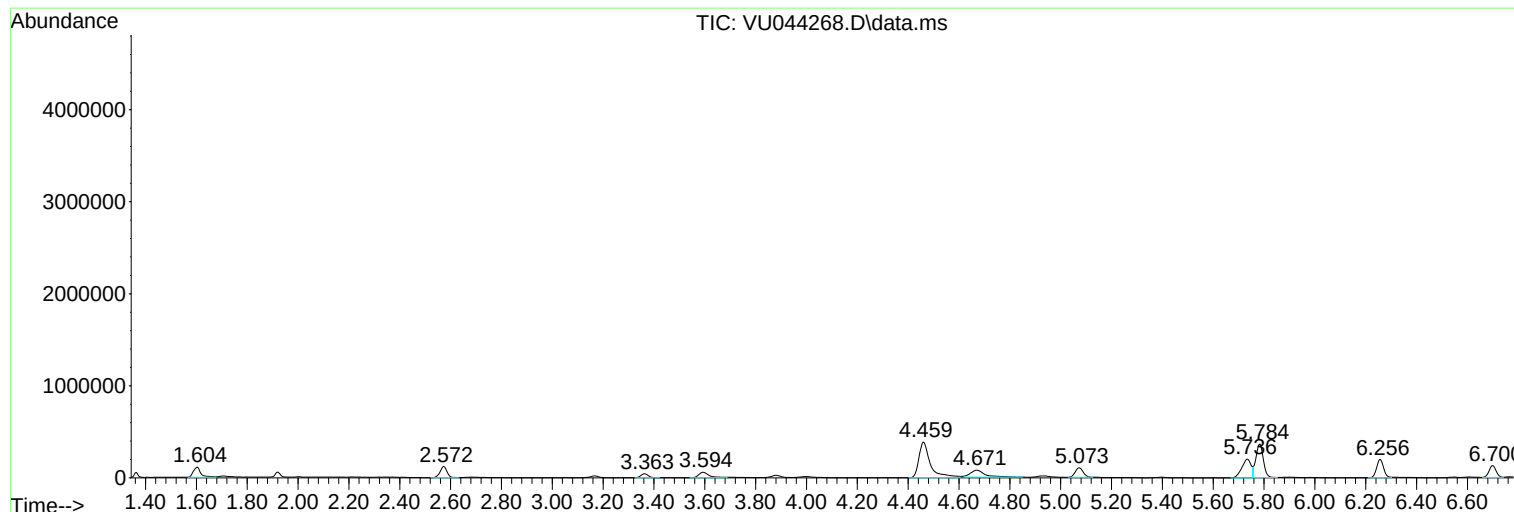
Sum of corrected areas: 62249259

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
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Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR062121WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

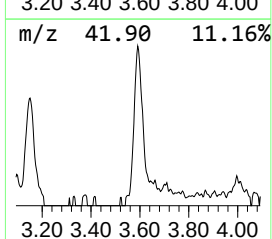
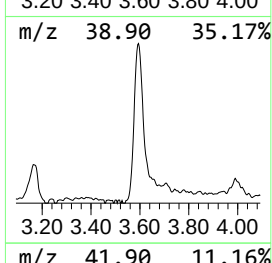
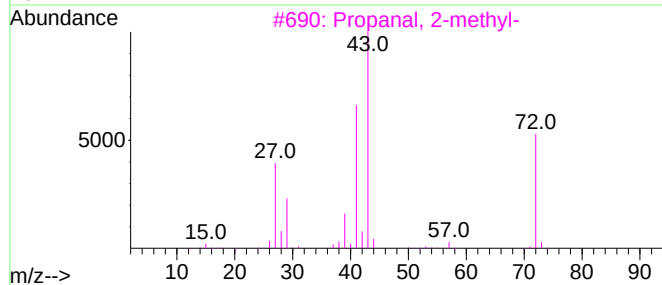
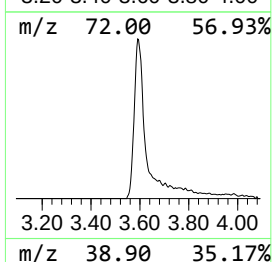
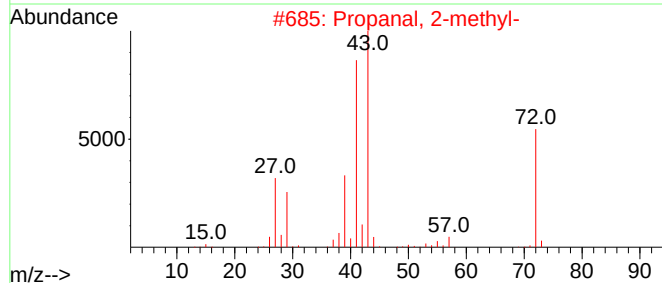
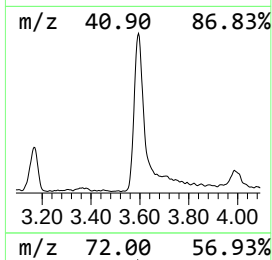
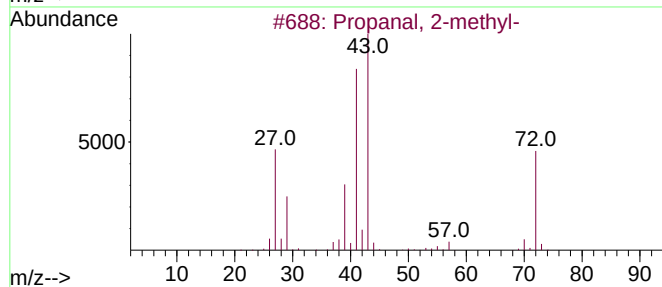
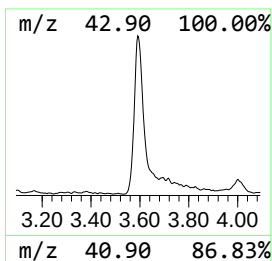
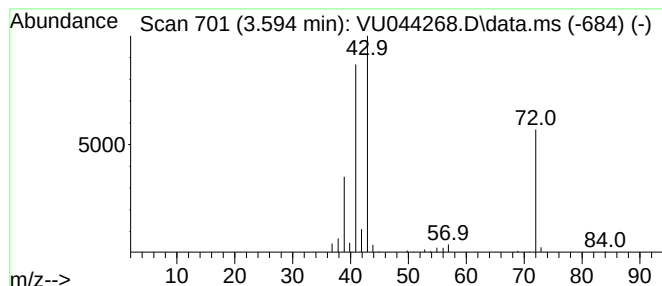
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR062121WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Propanal, 2-methyl- Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 3.594 | 2.31 ug/L | 175548 | 1,4-Difluorobenzene | 6.256 |

| Hit# | of | 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|----|---------|-------------|------|
| 1    |    |   | Propanal, 2-methyl-   | 72 | C4H8O   | 000078-84-2 | 91   |
| 2    |    |   | Propanal, 2-methyl-   | 72 | C4H8O   | 000078-84-2 | 91   |
| 3    |    |   | Propanal, 2-methyl-   | 72 | C4H8O   | 000078-84-2 | 72   |
| 4    |    |   | 1-Propene, 3-methoxy- | 72 | C4H8O   | 000627-40-7 | 53   |
| 5    |    |   | Isobutylene epoxide   | 72 | C4H8O   | 000558-30-5 | 53   |



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ALS Vial : 15 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :  
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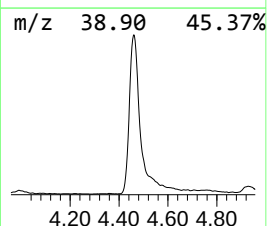
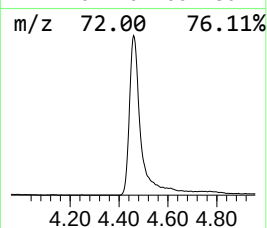
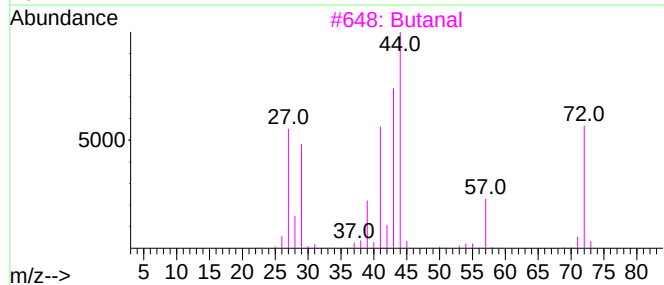
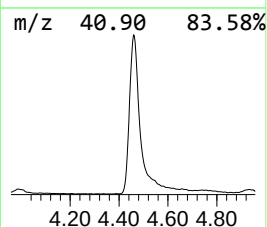
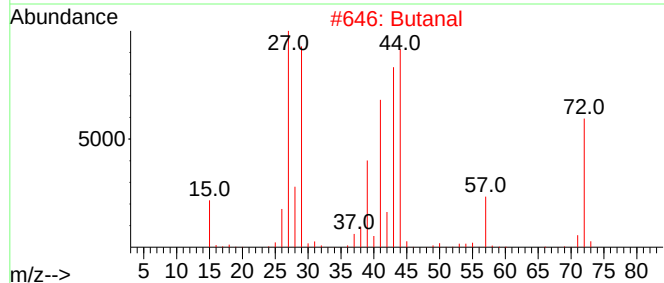
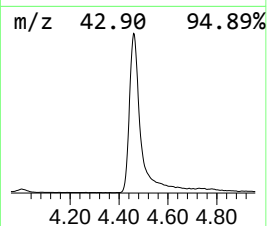
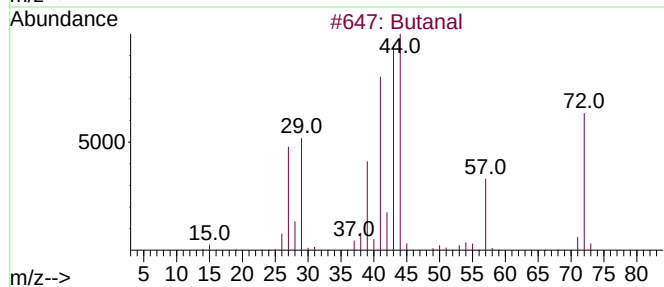
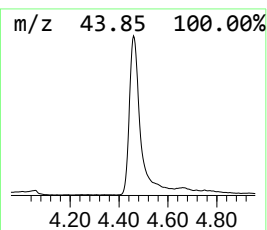
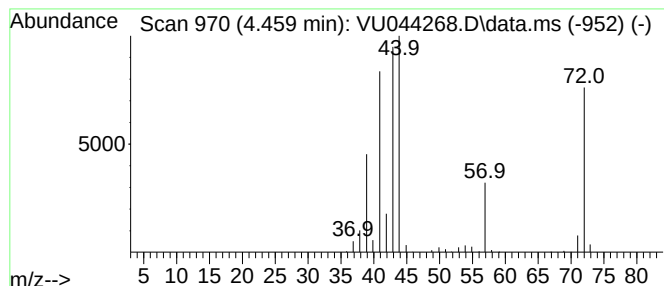
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR062121WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Butanal Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD    | R.T.  |
|-------|------------|---------|---------------------|-------|
| 4.459 | 16.02 ug/L | 1217540 | 1,4-Difluorobenzene | 6.256 |

| Hit# | of              | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|-----------------|---|--------------|----|---------|-------------|------|
| 1    | Butanal         |   |              | 72 | C4H8O   | 000123-72-8 | 94   |
| 2    | Butanal         |   |              | 72 | C4H8O   | 000123-72-8 | 91   |
| 3    | Butanal         |   |              | 72 | C4H8O   | 000123-72-8 | 74   |
| 4    | Butanal         |   |              | 72 | C4H8O   | 000123-72-8 | 72   |
| 5    | Ethene, ethoxy- |   |              | 72 | C4H8O   | 000109-92-2 | 58   |



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Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR062121WMA.M  
Quant Title : TRACE VOA SFAM1.0

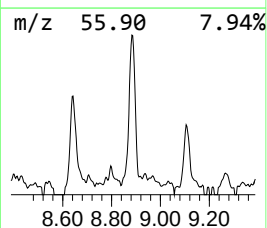
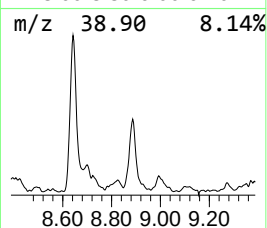
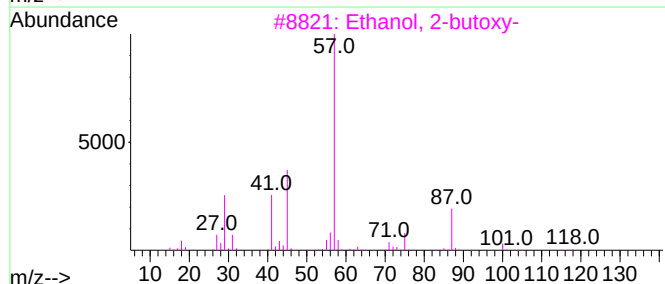
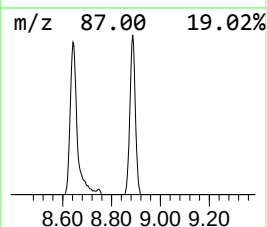
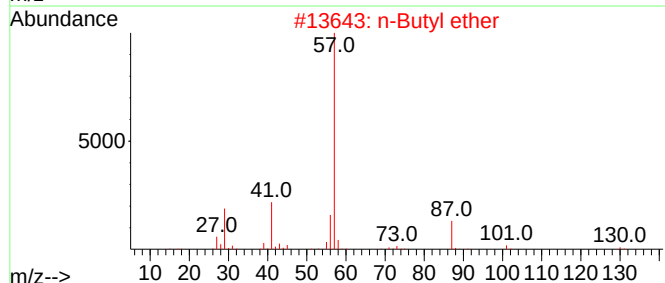
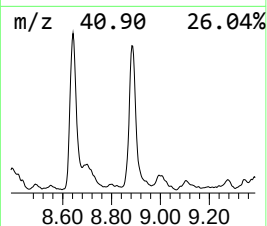
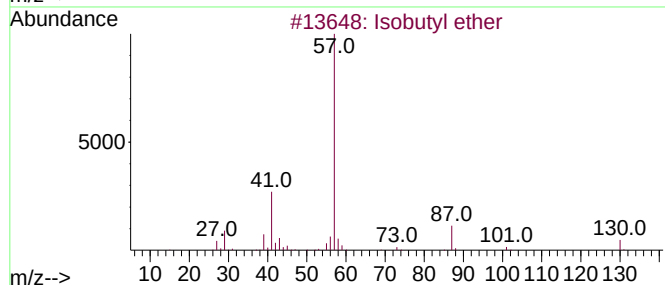
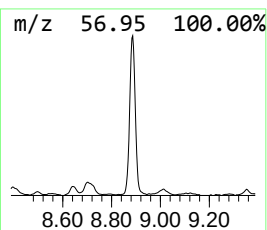
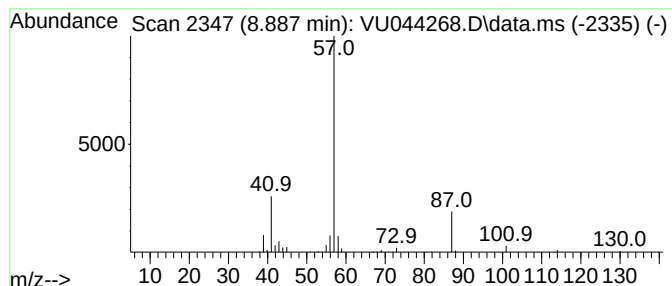
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Isobutyl ether Concentration Rank 11

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 8.887 | 0.80 ug/L | 99066 | Chlorobenzene-d5 | 9.423 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------|-----|---------|-------------|------|
| 1    |    |   | Isobutyl ether     | 130 | C8H18O  | 000628-55-7 | 74   |
| 2    |    |   | n-Butyl ether      | 130 | C8H18O  | 000142-96-1 | 64   |
| 3    |    |   | Ethanol, 2-butoxy- | 118 | C6H14O2 | 000111-76-2 | 56   |
| 4    |    |   | Isobutyl ether     | 130 | C8H18O  | 000628-55-7 | 56   |
| 5    |    |   | n-Butyl ether      | 130 | C8H18O  | 000142-96-1 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR062121WMA.M  
Quant Title : TRACE VOA SFAM1.0

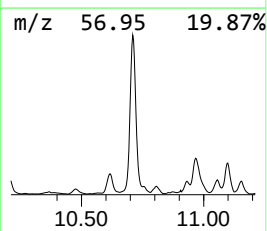
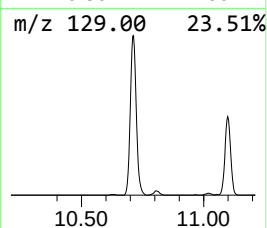
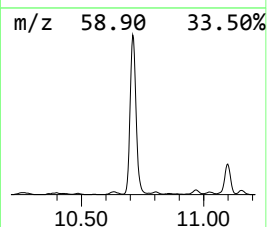
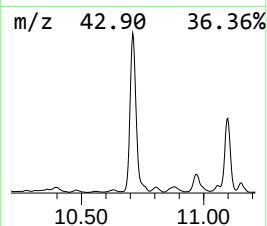
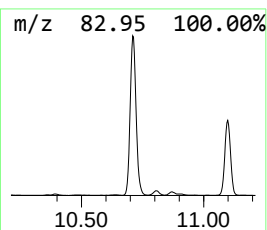
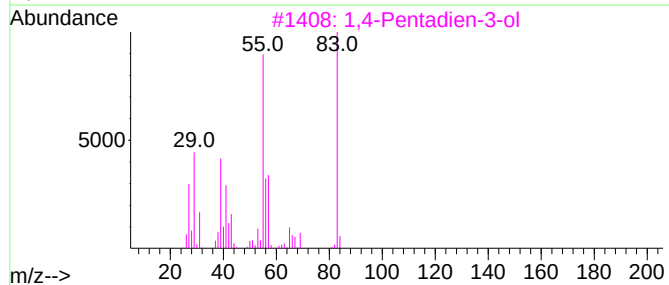
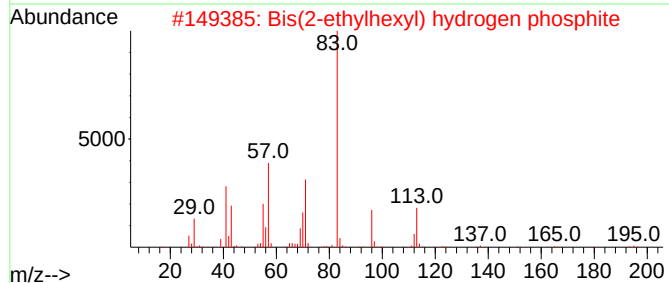
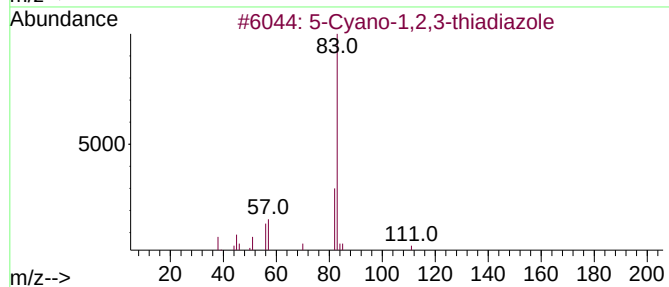
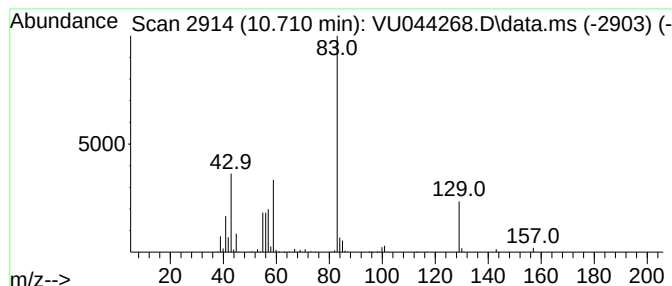
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown-01 Concentration Rank 19

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 10.710 | 0.54 ug/L | 876761 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | 5-Cyano-1,2,3-thiadiazole           | 111 | C3HN3S    | 057352-02-0 | 40   |
| 2    |    |   | Bis(2-ethylhexyl) hydrogen phosp... | 306 | C16H35O3P | 003658-48-8 | 28   |
| 3    |    |   | 1,4-Pentadien-3-ol                  | 84  | C5H8O     | 000922-65-6 | 9    |
| 4    |    |   | .alpha.-Amino-2,5-dihydro-5-meth... | 157 | C7H11NO3  | 018455-25-9 | 9    |
| 5    |    |   | 1H-Imidazol-2-amine                 | 83  | C3H5N3    | 007720-39-0 | 9    |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

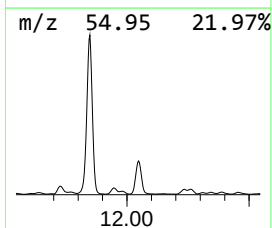
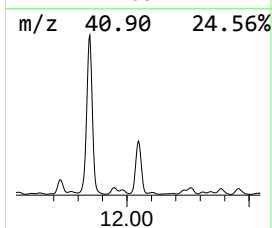
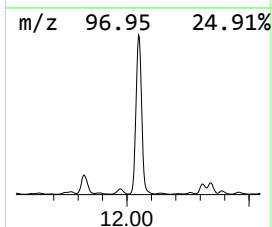
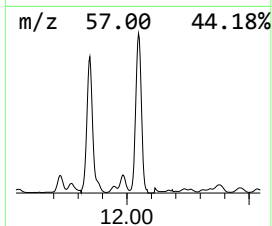
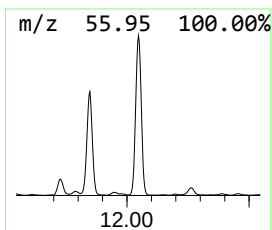
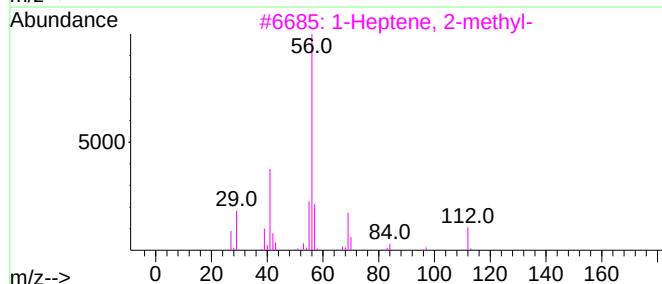
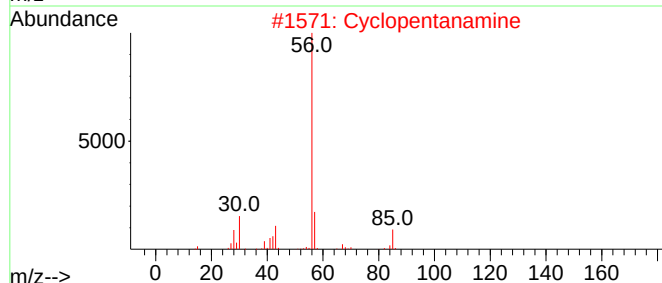
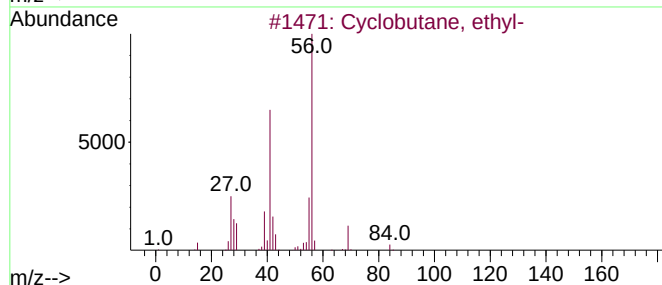
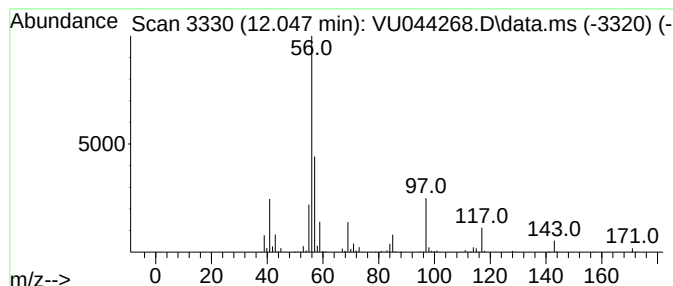
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Cyclic12.047 Concentration Rank 9

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 12.047 | 1.06 ug/L | 1723960 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclobutane, ethyl-   | 84  | C6H12   | 004806-61-5 | 47   |
| 2    |    |   | Cyclopentanamine      | 85  | C5H11N  | 001003-03-8 | 38   |
| 3    |    |   | 1-Heptene, 2-methyl-  | 112 | C8H16   | 015870-10-7 | 33   |
| 4    |    |   | Nonane, 5-methylene-  | 140 | C10H20  | 006795-79-5 | 33   |
| 5    |    |   | Hexane, 3,4-dimethyl- | 114 | C8H18   | 000583-48-2 | 10   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

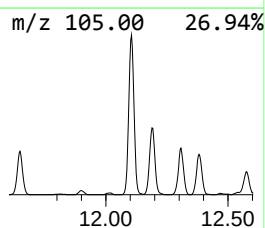
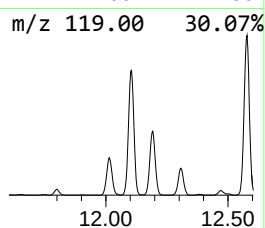
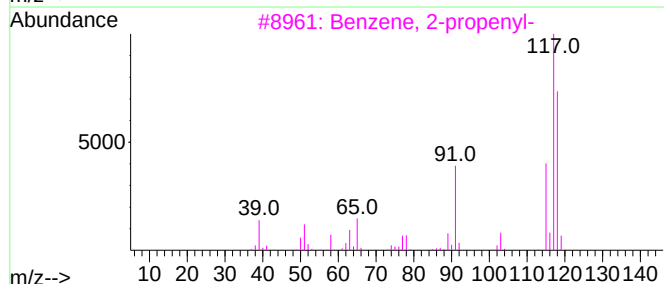
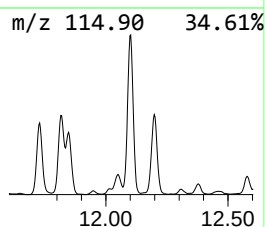
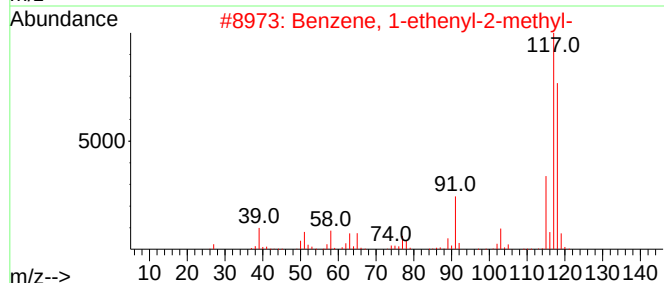
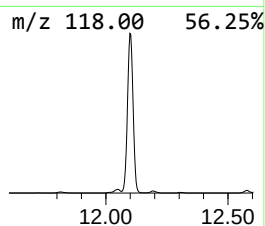
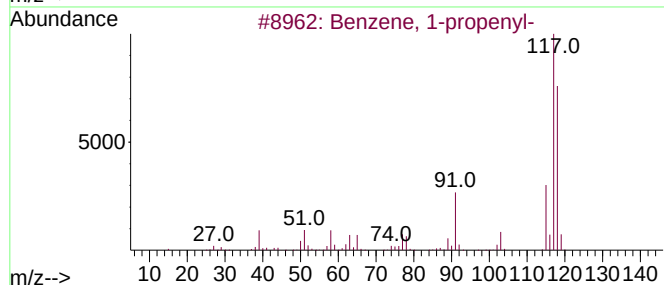
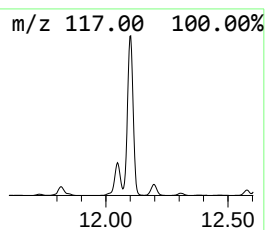
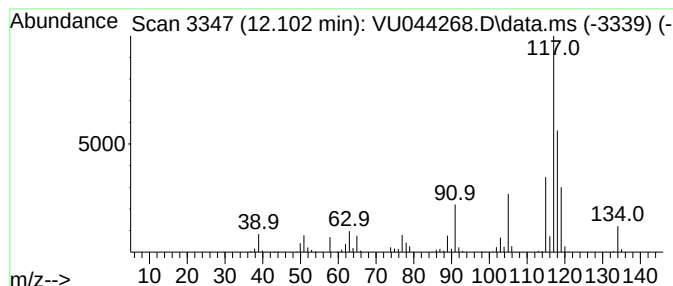
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 1-propenyl- Concentration Rank 12

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 12.102 | 0.72 ug/L | 1175330 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-propenyl-         | 118 | C9H10   | 000637-50-3 | 92   |
| 2    |    |   | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 91   |
| 3    |    |   | Benzene, 2-propenyl-         | 118 | C9H10   | 000300-57-2 | 70   |
| 4    |    |   | Indane                       | 118 | C9H10   | 000496-11-7 | 64   |
| 5    |    |   | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR062121WMA.M  
Quant Title : TRACE VOA SFAM1.0

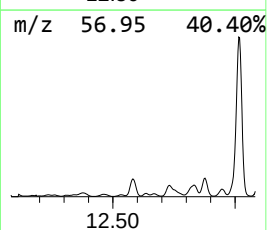
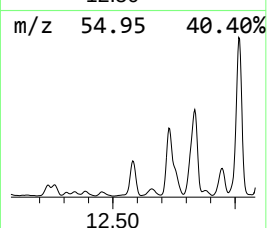
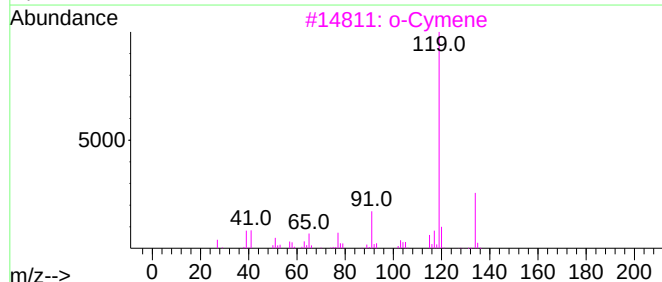
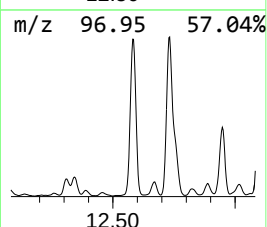
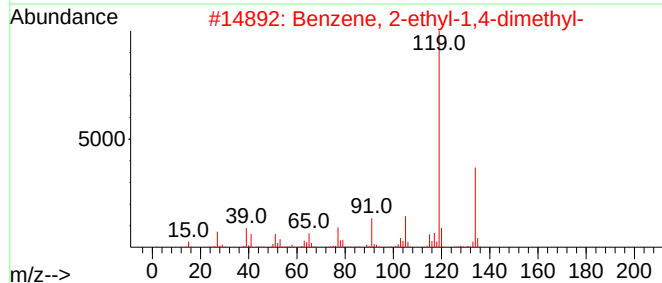
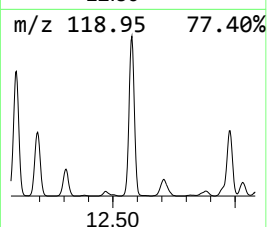
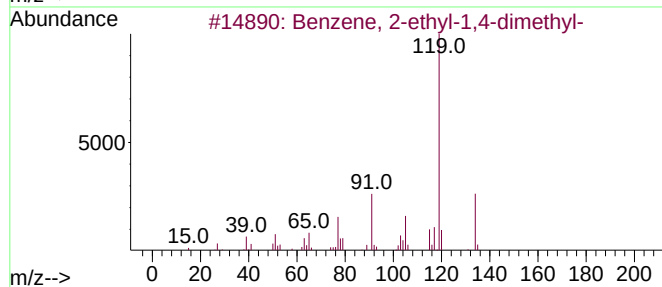
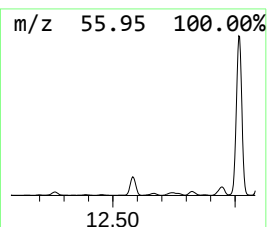
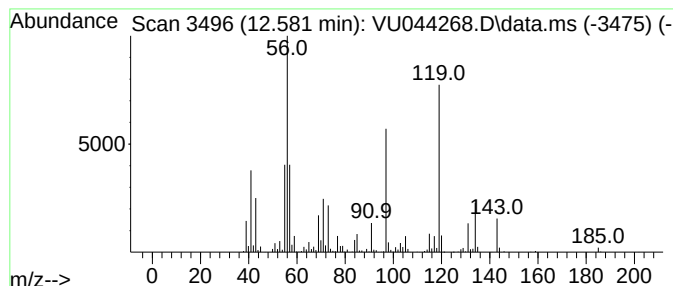
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 16

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.581 | 0.60 ug/L | 967378 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 76   |
| 2    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 74   |
| 3    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 74   |
| 4    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 72   |
| 5    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

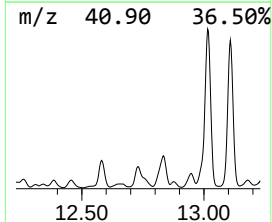
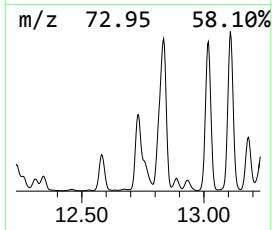
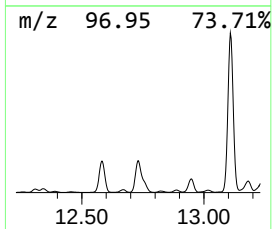
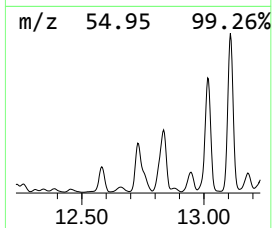
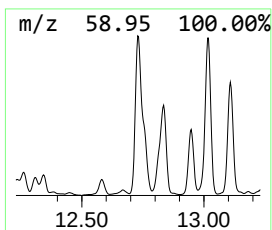
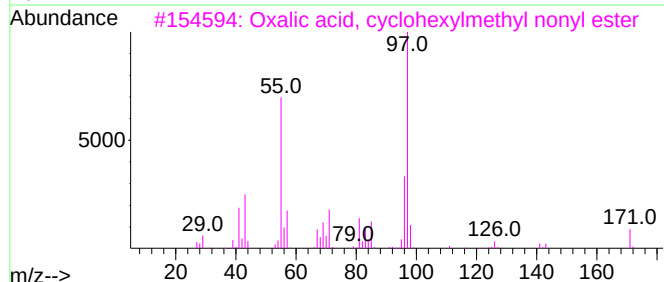
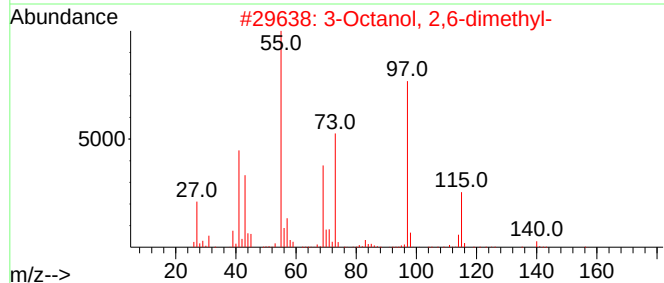
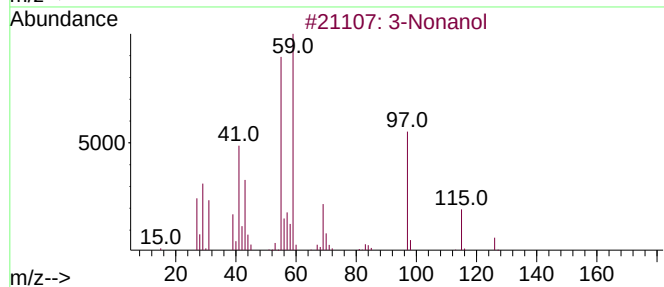
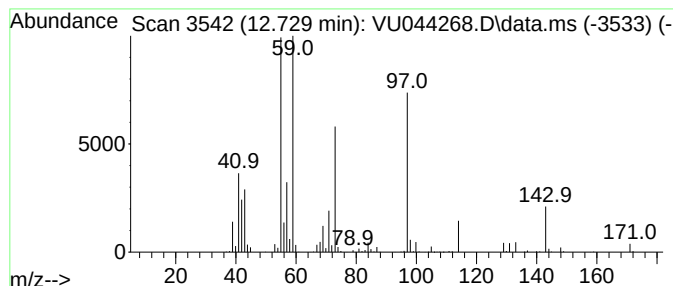
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 3-Nonanol Concentration Rank 17

| R.T.      | EstConc                             | Area   | Relative to ISTD       |          | R.T.         |      |
|-----------|-------------------------------------|--------|------------------------|----------|--------------|------|
| 12.729    | 0.57 ug/L                           | 922651 | 1,4-Dichlorobenzene-d4 |          | 11.819       |      |
| Hit# of 5 | Tentative ID                        |        | MW                     | MolForm  | CAS#         | Qual |
| 1         | 3-Nonanol                           |        | 144                    | C9H20O   | 000624-51-1  | 50   |
| 2         | 3-Octanol, 2,6-dimethyl-            |        | 158                    | C10H22O  | 018479-55-5  | 27   |
| 3         | Oxalic acid, cyclohexylmethyl no... |        | 312                    | C18H32O4 | 1000309-68-6 | 25   |
| 4         | Oxalic acid, cyclohexylmethyl oc... |        | 298                    | C17H30O4 | 1000309-68-4 | 25   |
| 5         | Oxazole, 2,4-dimethyl-              |        | 97                     | C5H7NO   | 007208-05-1  | 22   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR062121WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

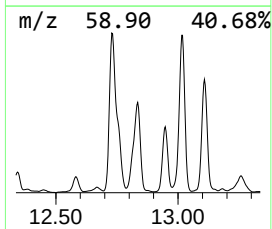
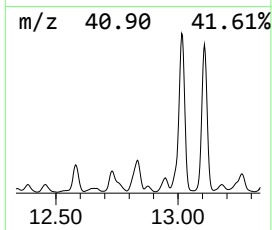
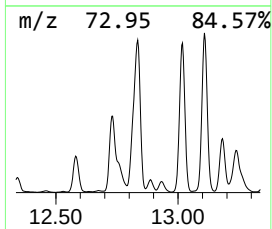
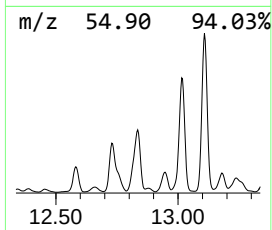
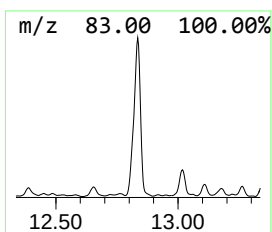
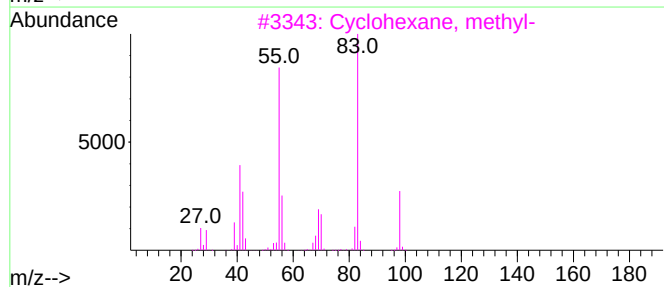
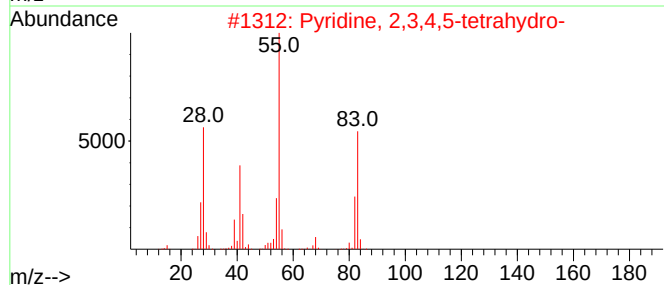
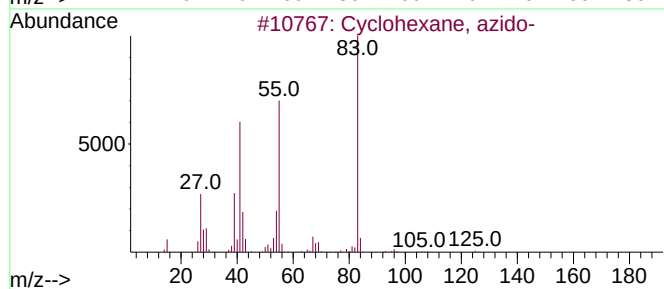
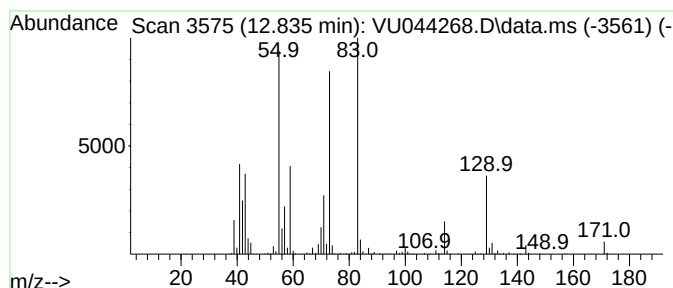
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Peak Number 10 unknown-02 Concentration Rank 14

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 12.835 | 0.69 ug/L | 1119680 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, azido-                 | 125 | C6H11N3 | 019573-22-9 | 38   |
| 2    |    |   | Pyridine, 2,3,4,5-tetrahydro-       | 83  | C5H9N   | 000505-18-0 | 35   |
| 3    |    |   | Cyclohexane, methyl-                | 98  | C7H14   | 000108-87-2 | 32   |
| 4    |    |   | 3-Butenoic acid, 3-methyl-, meth... | 114 | C6H10O2 | 025859-52-3 | 27   |
| 5    |    |   | 2-Pentene, 2,4-dimethyl-            | 98  | C7H14   | 000625-65-0 | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

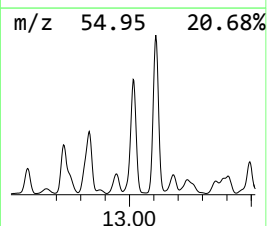
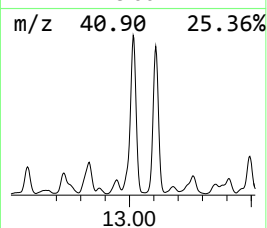
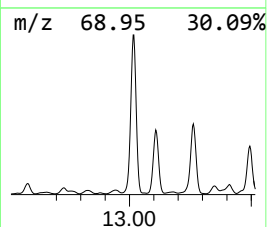
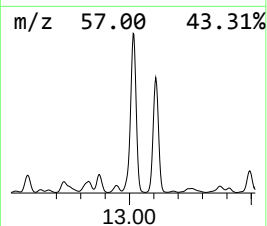
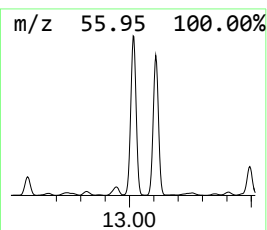
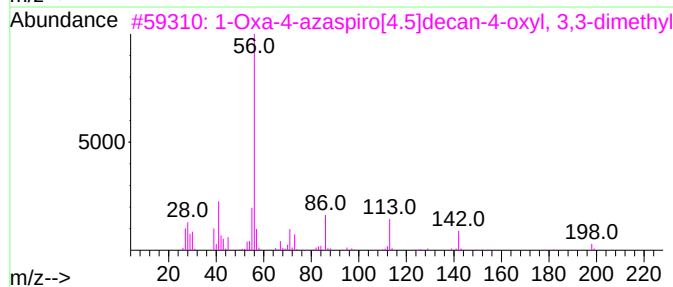
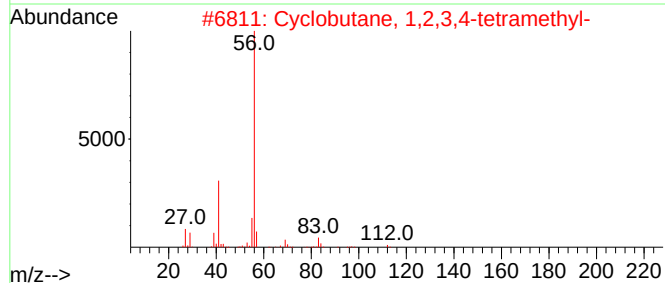
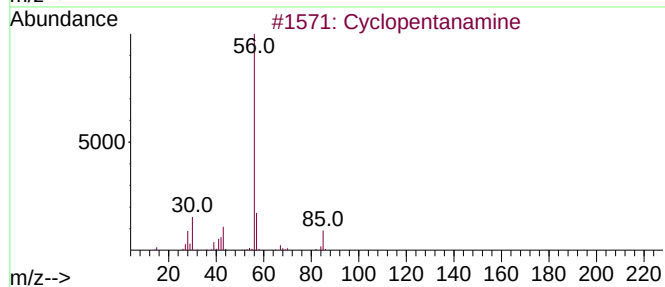
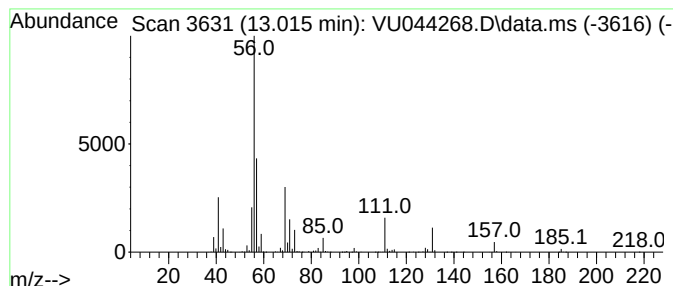
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 unknown-03 Concentration Rank 3

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 13.015 | 2.73 ug/L | 4428910 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Cyclopentanamine                    | 85  | C5H11N    | 001003-03-8  | 40   |
| 2    |    |   | Cyclobutane, 1,2,3,4-tetramethyl-   | 112 | C8H16     | 069531-57-3  | 37   |
| 3    |    |   | 1-Oxa-4-azaspiro[4.5]decan-4-oxy... | 198 | C10H16NO3 | 1000115-84-0 | 36   |
| 4    |    |   | Oxirane, 2,3-bis(1-methylethyl)-... | 128 | C8H16O    | 054644-32-5  | 33   |
| 5    |    |   | Pentane, 2,3-dimethyl-              | 100 | C7H16     | 000565-59-3  | 28   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

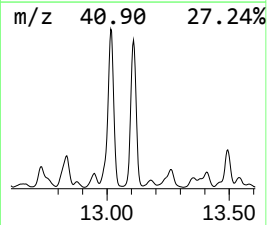
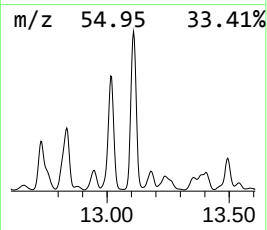
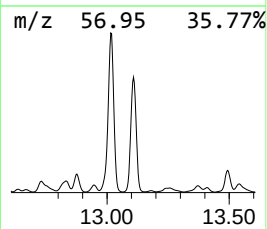
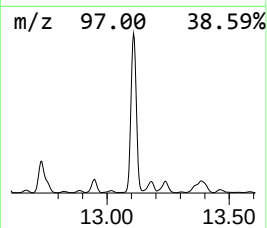
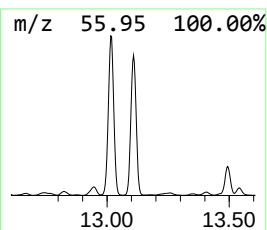
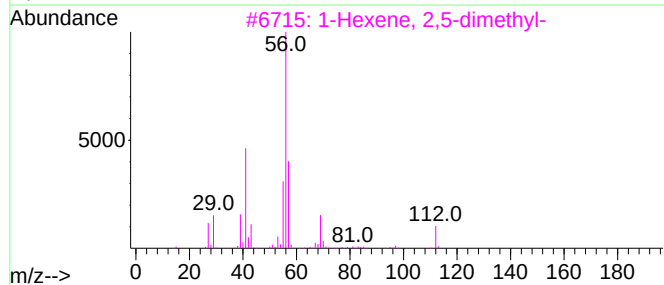
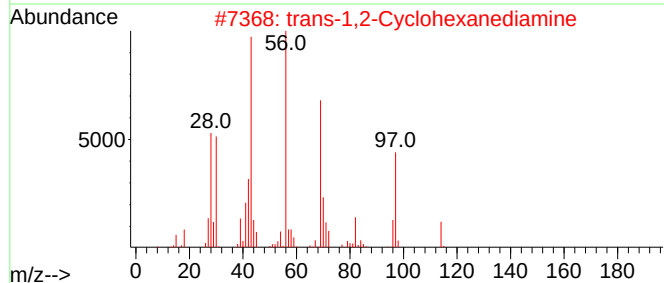
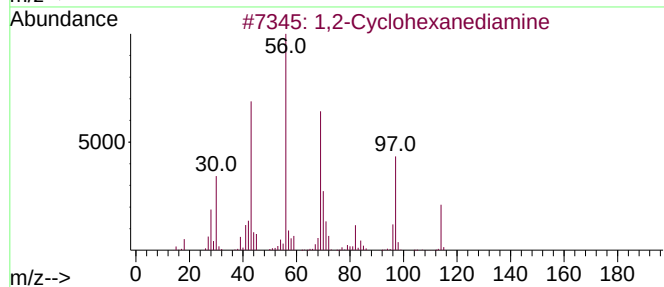
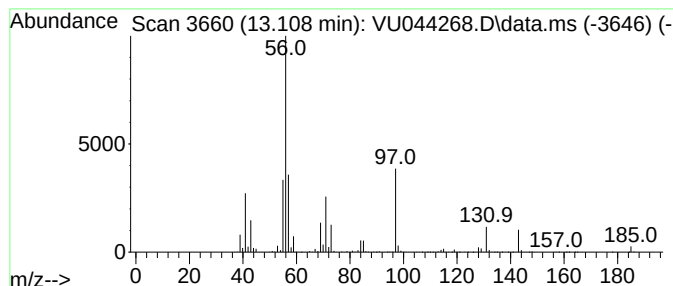
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 unknown-04 Concentration Rank 4

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 13.108 | 2.35 ug/L | 3807400 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------|-----|---------|-------------|------|
| 1    |      | 1,2-Cyclohexanediamine       | 114 | C6H14N2 | 000694-83-7 | 36   |
| 2    |      | trans-1,2-Cyclohexanediamine | 114 | C6H14N2 | 001121-22-8 | 36   |
| 3    |      | 1-Hexene, 2,5-dimethyl-      | 112 | C8H16   | 006975-92-4 | 35   |
| 4    |      | 2,2-Dimethyl-1,3-butanediol  | 118 | C6H14O2 | 000076-35-7 | 32   |
| 5    |      | 1-Hexene, 2,5-dimethyl-      | 112 | C8H16   | 006975-92-4 | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

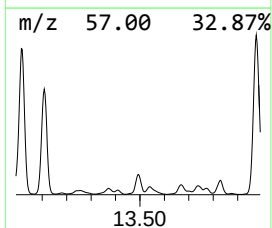
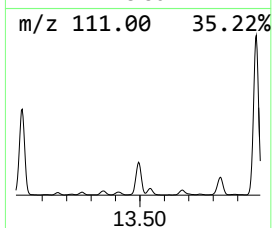
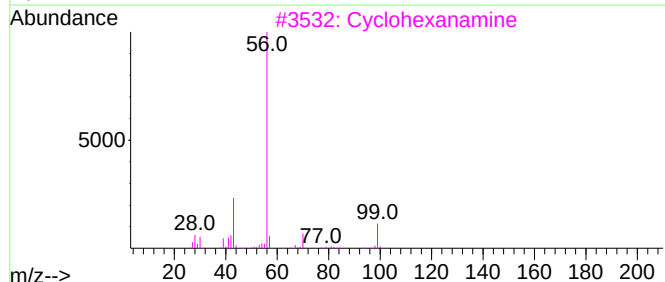
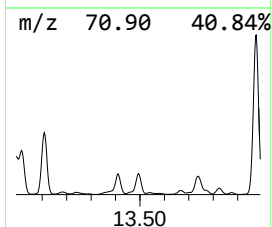
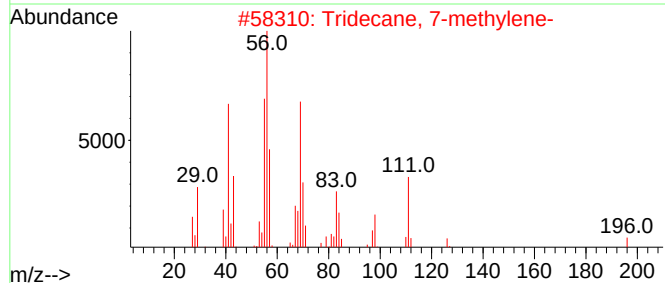
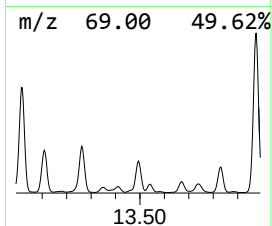
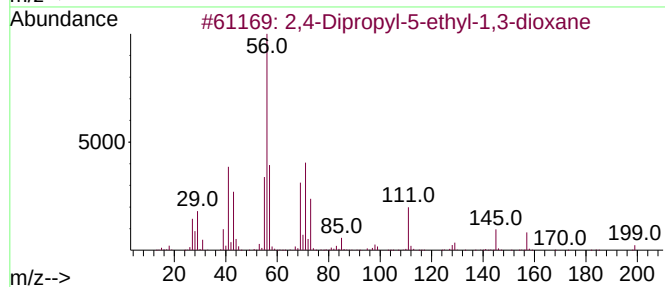
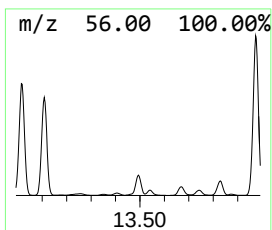
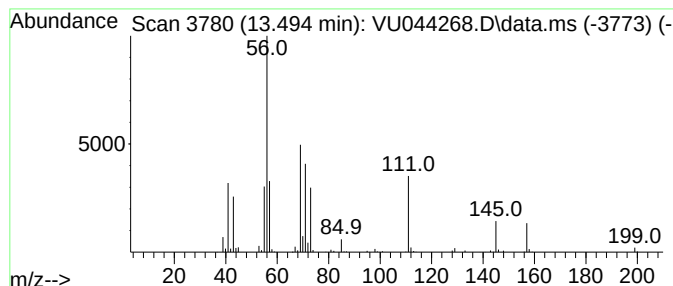
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 2,4-Dipropyl-5-ethyl-1,3-di... Concentration Rank 18

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.494 | 0.56 ug/L | 900862 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2,4-Dipropyl-5-ethyl-1,3-dioxane  | 200 | C12H24O2 | 006413-83-8 | 78   |
| 2    |    |   | Tridecane, 7-methylene-           | 196 | C14H28   | 019780-80-4 | 28   |
| 3    |    |   | Cyclohexanamine                   | 99  | C6H13N   | 000108-91-8 | 27   |
| 4    |    |   | 1,3-Pentanediol, 2,2,4-trimethyl- | 146 | C8H18O2  | 000144-19-4 | 25   |
| 5    |    |   | 1-Hexene, 2,5-dimethyl-           | 112 | C8H16    | 006975-92-4 | 17   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

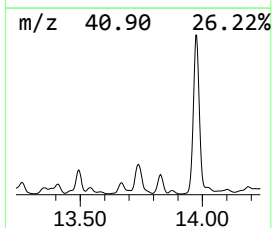
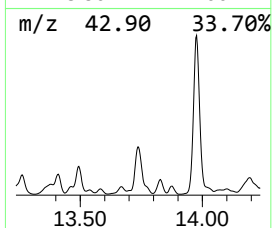
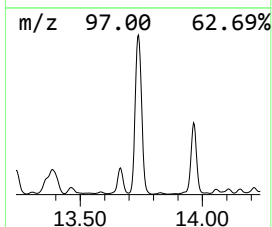
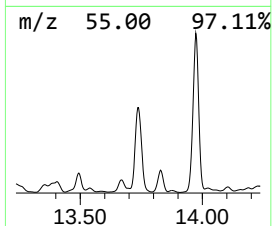
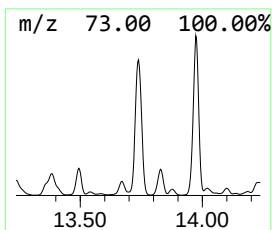
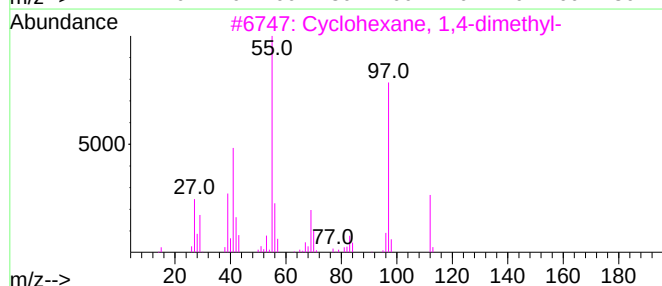
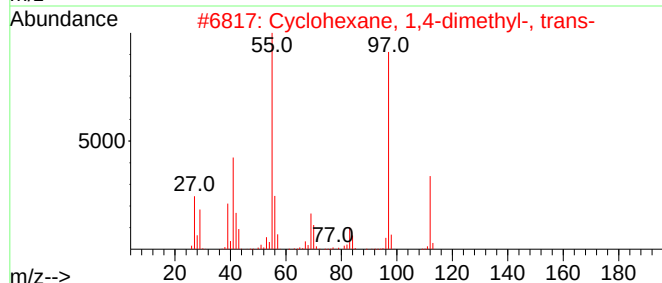
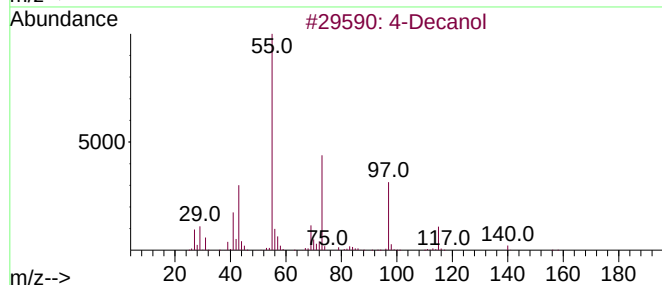
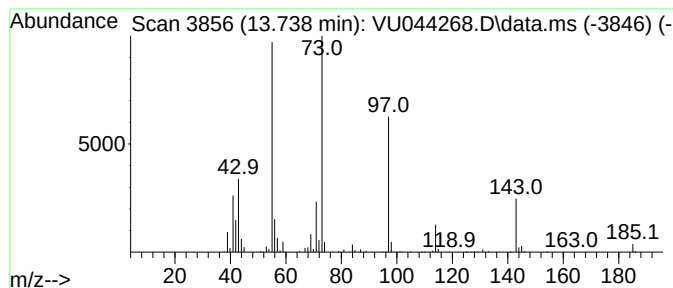
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 unknown-05 Concentration Rank 8

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 13.738 | 1.14 ug/L | 1850800 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------------|-----|---------|-------------|------|
| 1    |      | 4-Decanol                          | 158 | C10H22O | 002051-31-2 | 43   |
| 2    |      | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16   | 002207-04-7 | 27   |
| 3    |      | Cyclohexane, 1,4-dimethyl-         | 112 | C8H16   | 000589-90-2 | 25   |
| 4    |      | 6-Decen-5-one                      | 154 | C10H18O | 032064-79-2 | 17   |
| 5    |      | Cyclohexane, 1-methyl-3-propyl-    | 140 | C10H20  | 004291-80-9 | 17   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

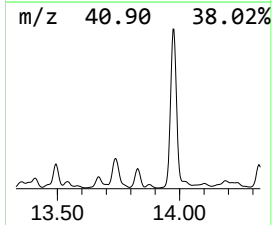
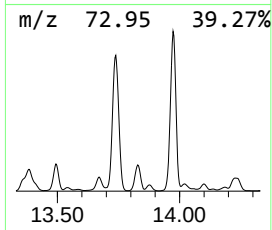
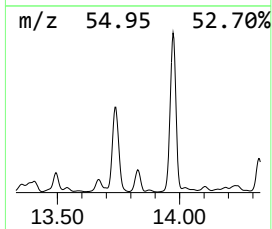
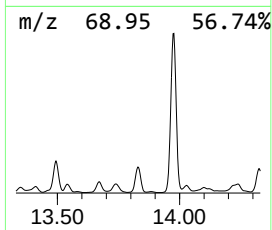
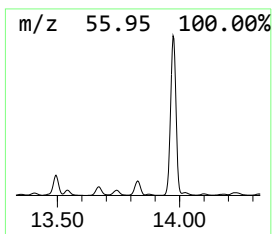
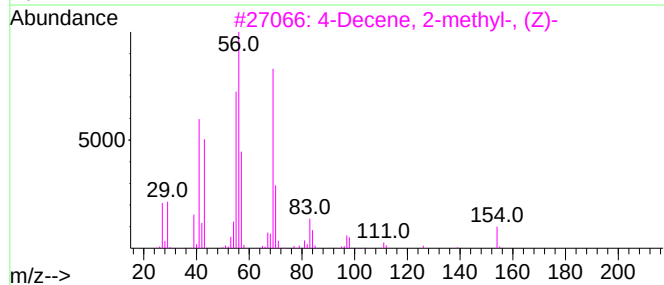
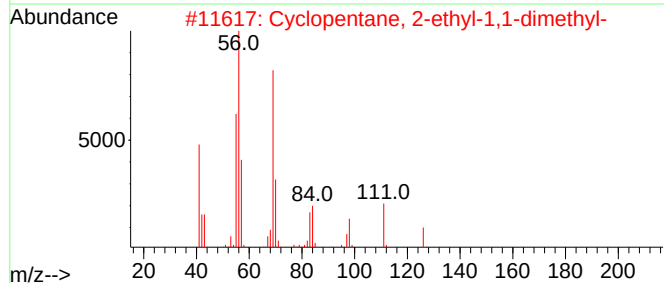
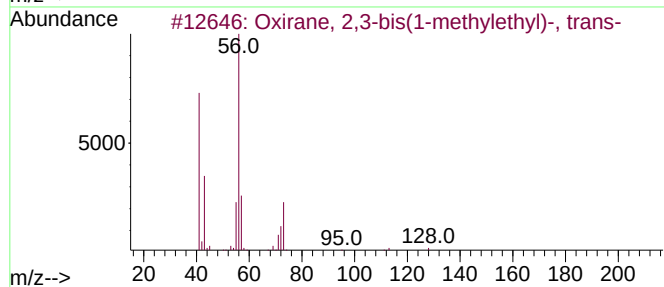
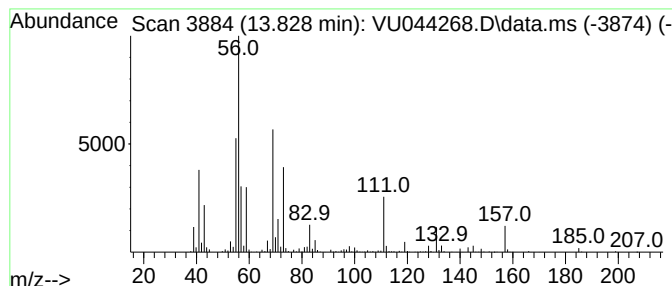
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 unknown-06 Concentration Rank 20

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.829 | 0.50 ug/L | 815434 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Oxirane, 2,3-bis(1-methylethyl)-... | 128 | C8H16O   | 054644-32-5 | 46   |
| 2    |    |   | Cyclopentane, 2-ethyl-1,1-dimethyl- | 126 | C9H18    | 054549-80-3 | 43   |
| 3    |    |   | 4-Decene, 2-methyl-, (Z)-           | 154 | C11H22   | 055499-07-5 | 38   |
| 4    |    |   | 2,4-Dipropyl-5-ethyl-1,3-dioxane    | 200 | C12H24O2 | 006413-83-8 | 38   |
| 5    |    |   | 1-Octene, 7-methyl-                 | 126 | C9H18    | 013151-06-9 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

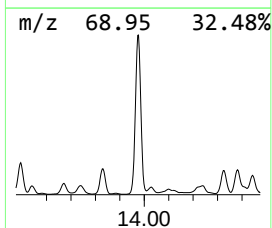
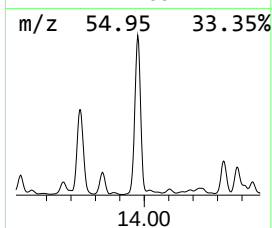
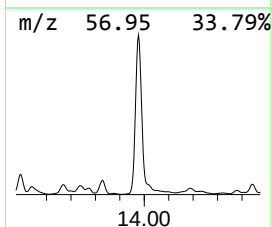
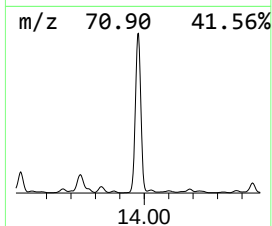
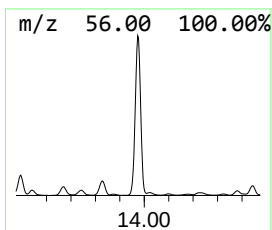
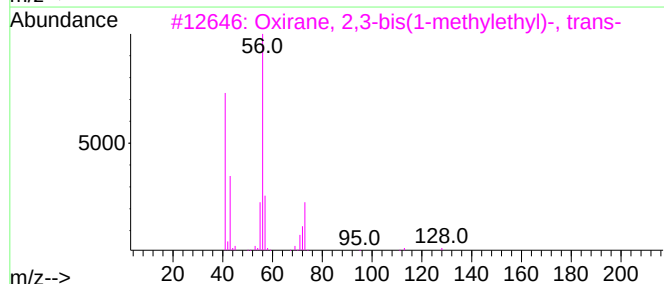
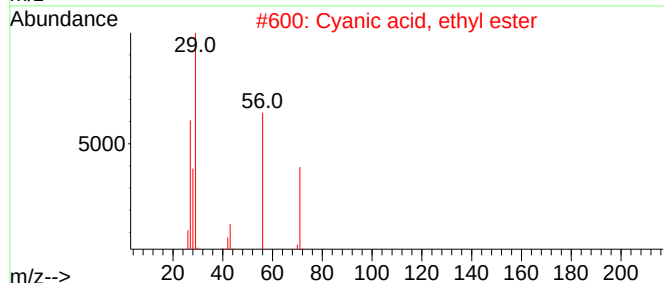
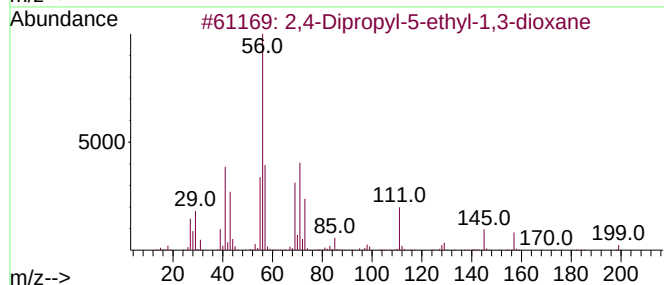
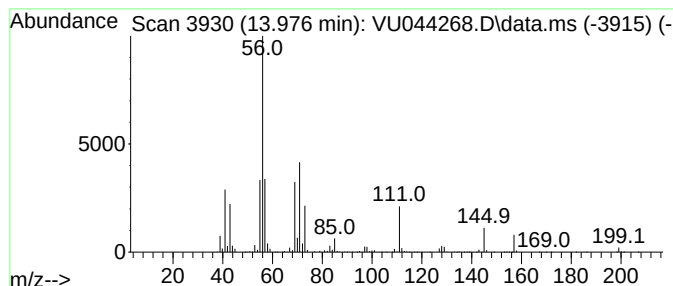
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Cyanic acid, ethyl ester Concentration Rank 2

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 13.976 | 4.65 ug/L | 7540920 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2,4-Dipropyl-5-ethyl-1,3-dioxane    | 200 | C12H24O2     | 006413-83-8 | 72      |      |      |
| 2    | Cyanic acid, ethyl ester            | 71  | C3H5NO       | 000627-48-5 | 52      |      |      |
| 3    | Oxirane, 2,3-bis(1-methylethyl)-... | 128 | C8H16O       | 054644-32-5 | 37      |      |      |
| 4    | Pentane, 2,3-dimethyl-              | 100 | C7H16        | 000565-59-3 | 33      |      |      |
| 5    | Decane, 5-methyl-6-methylene-       | 168 | C12H24       | 075029-95-7 | 17      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

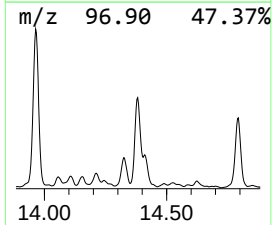
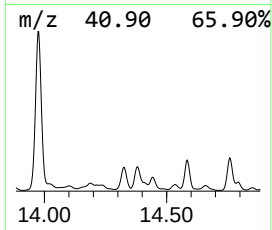
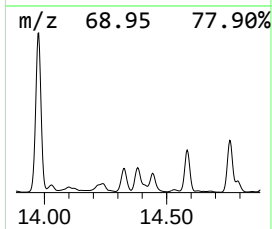
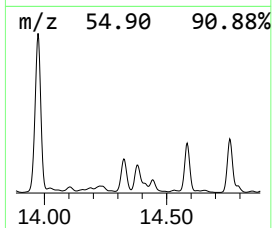
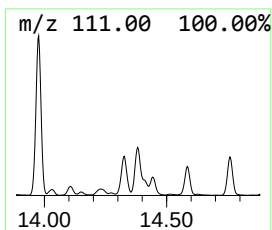
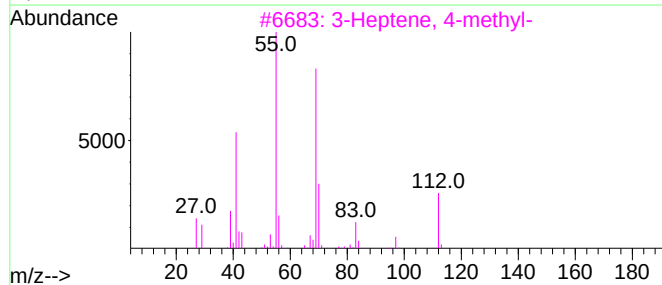
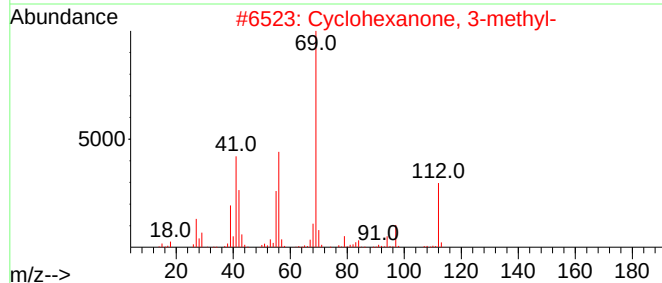
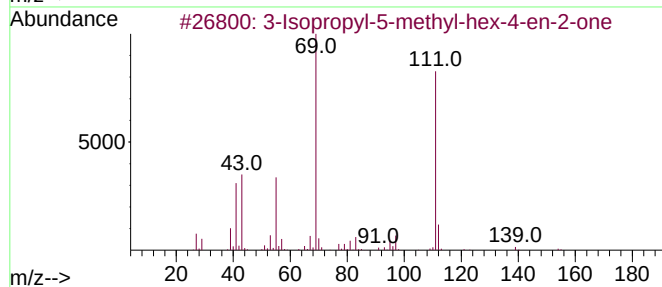
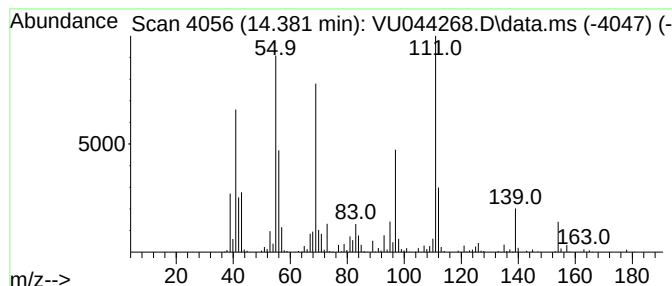
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 unknown-07 Concentration Rank 15

| R.T.      | EstConc                             | Area    | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|---------|------------------------|-------------|------|
| 14.382    | 0.64 ug/L                           | 1034200 | 1,4-Dichlorobenzene-d4 | 11.819      |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm                | CAS#        | Qual |
| 1         | 3-Isopropyl-5-methyl-hex-4-en-2-one | 154     | C10H18O                | 077142-85-9 | 49   |
| 2         | Cyclohexanone, 3-methyl-            | 112     | C7H12O                 | 000591-24-2 | 38   |
| 3         | 3-Heptene, 4-methyl-                | 112     | C8H16                  | 004485-16-9 | 30   |
| 4         | Cyclopentane, 2-isopropyl-1,3-di... | 140     | C10H20                 | 032281-85-9 | 20   |
| 5         | Cyclohexane, 1,2-dimethyl-, trans-  | 112     | C8H16                  | 006876-23-9 | 15   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR062121WMA.M  
Quant Title : TRACE VOA SFAM1.0

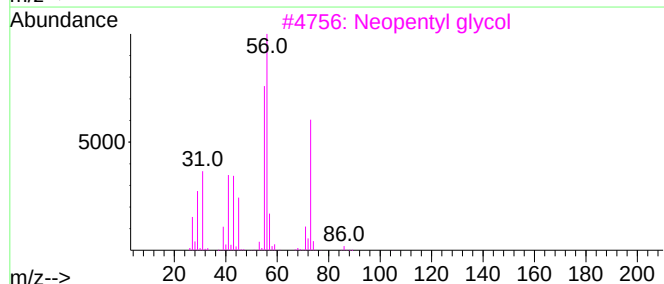
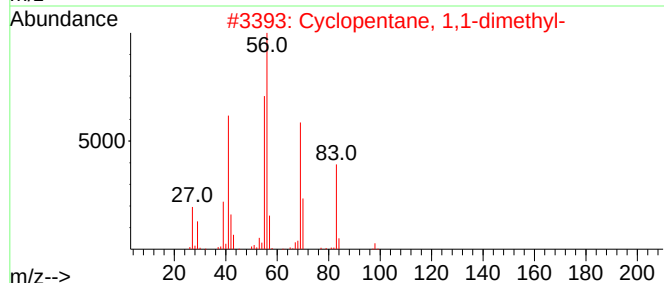
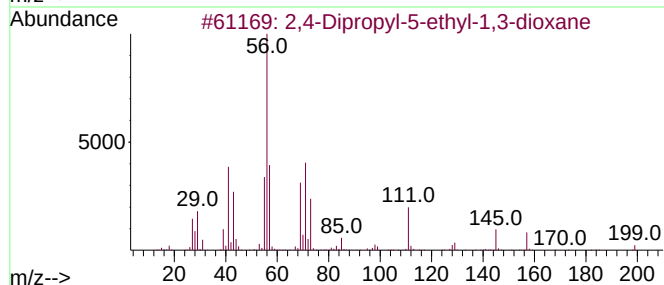
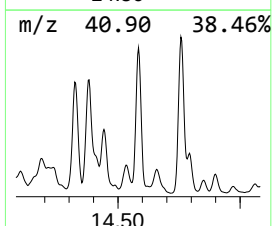
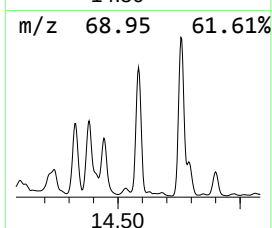
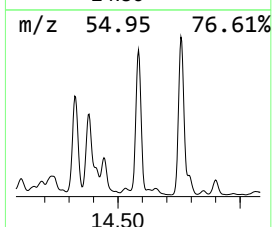
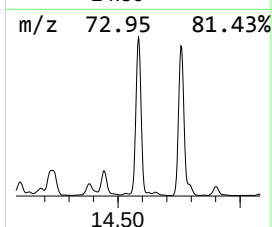
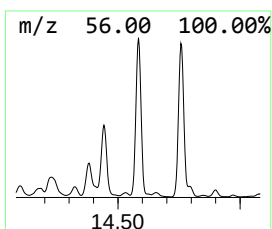
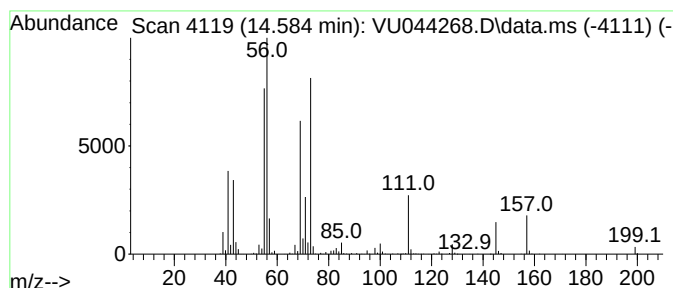
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown-08 Concentration Rank 13

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 14.584 | 0.71 ug/L | 1154910 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|------|----------------------------------|-----|----------|-------------|------|
| 1    |      | 2,4-Dipropyl-5-ethyl-1,3-dioxane | 200 | C12H24O2 | 006413-83-8 | 45   |
| 2    |      | Cyclopentane, 1,1-dimethyl-      | 98  | C7H14    | 001638-26-2 | 38   |
| 3    |      | Neopentyl glycol                 | 104 | C5H12O2  | 000126-30-7 | 38   |
| 4    |      | Neopentyl glycol                 | 104 | C5H12O2  | 000126-30-7 | 33   |
| 5    |      | Nonane, 4-methylene-             | 140 | C10H20   | 033717-91-8 | 32   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

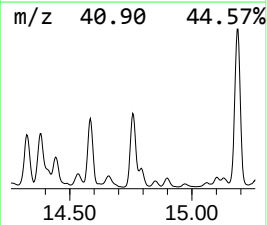
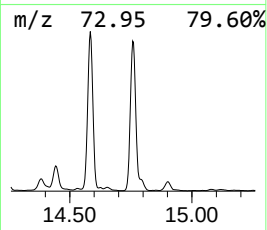
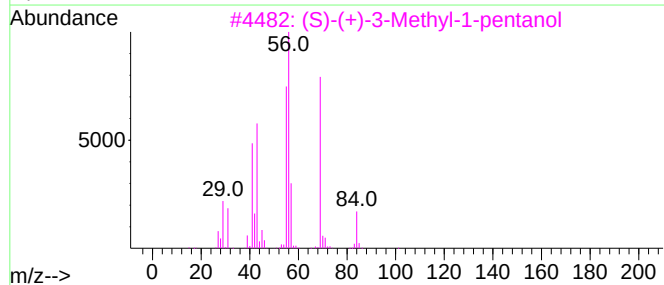
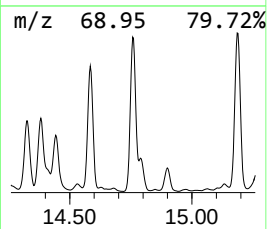
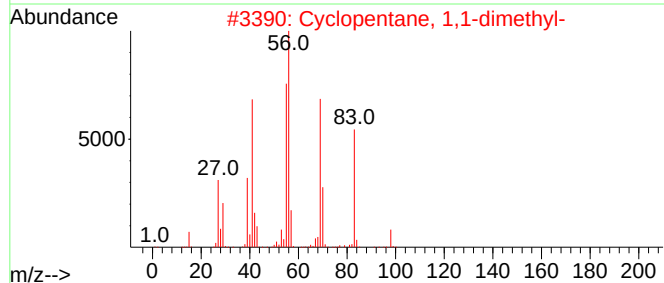
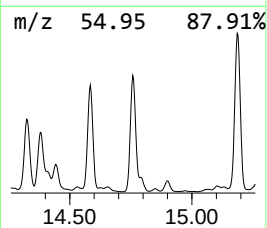
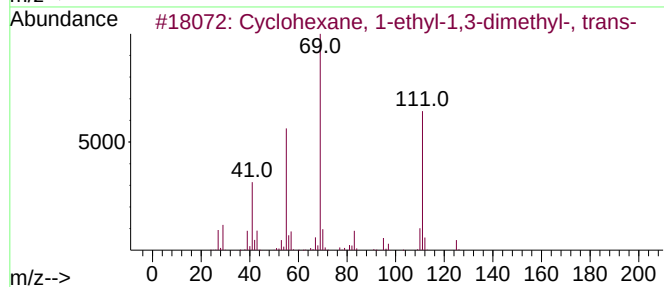
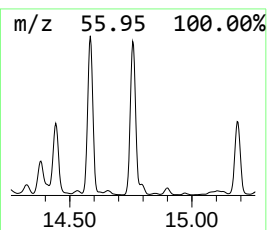
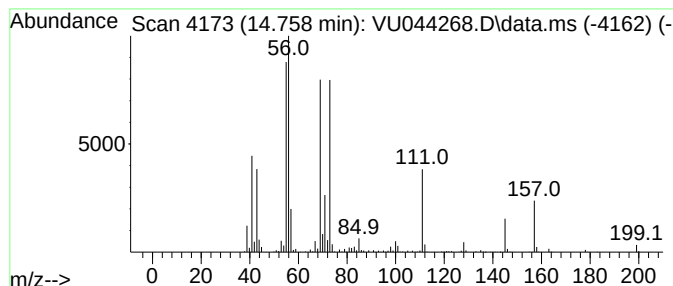
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 (DEL) Alkane: Cyclic14.458 Concentration Rank 10

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 14.758 | 0.90 ug/L | 1461160 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Cyclohexane, 1-ethyl-1,3-dimethyl... | 140 | C10H20   | 062238-29-3 | 38   |
| 2    |    |   | Cyclopentane, 1,1-dimethyl-          | 98  | C7H14    | 001638-26-2 | 38   |
| 3    |    |   | (S)-(+)-3-Methyl-1-pentanol          | 102 | C6H14O   | 042072-39-9 | 28   |
| 4    |    |   | Undecanol-4                          | 172 | C11H24O  | 004272-06-4 | 25   |
| 5    |    |   | 2,4-Dipropyl-5-ethyl-1,3-dioxane     | 200 | C12H24O2 | 006413-83-8 | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
Data File : VU044268.D  
Acq On : 30 Jun 2021 18:27  
Operator : SY/MD  
Sample : M2905-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBK35

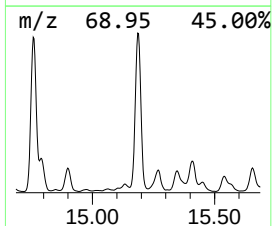
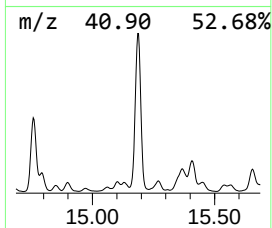
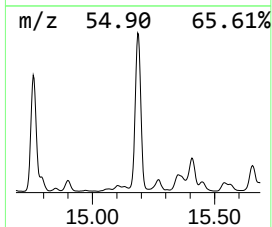
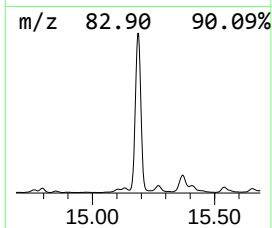
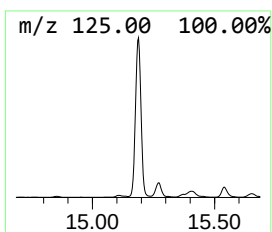
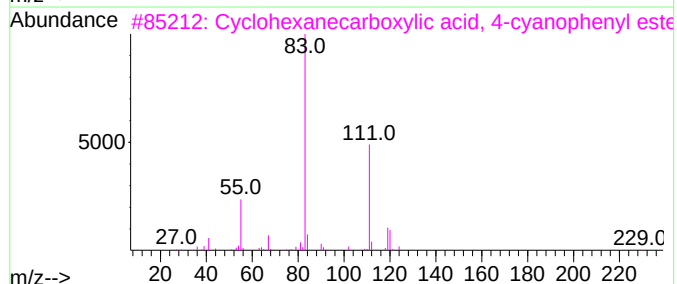
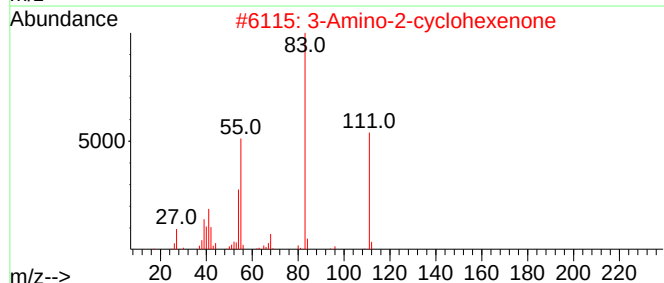
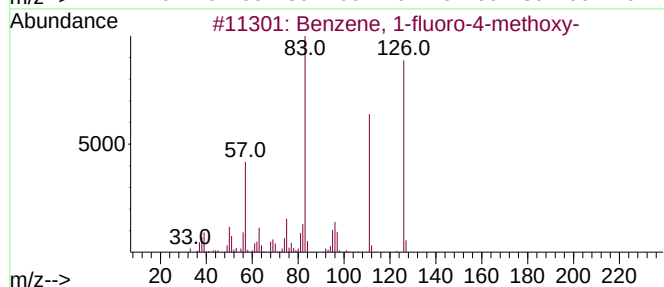
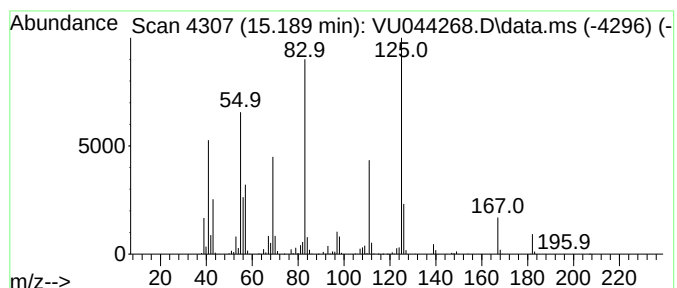
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 unknown-09 Concentration Rank 7

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 15.188 | 1.58 ug/L | 2562840 | 1,4-Dichlorobenzene-d4 | 11.819 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Benzene, 1-fluoro-4-methoxy-        | 126 | C7H7FO    | 000459-60-9  | 38   |
| 2    |    |   | 3-Amino-2-cyclohexenone             | 111 | C6H9NO    | 005220-49-5  | 35   |
| 3    |    |   | Cyclohexanecarboxylic acid, 4-cy... | 229 | C14H15NO2 | 1000307-70-6 | 35   |
| 4    |    |   | 5-Amino-1-ethylpyrazole             | 111 | C5H9N3    | 003528-58-3  | 35   |
| 5    |    |   | Cyclohexanone, 3,3,5-trimethyl-     | 140 | C9H16O    | 000873-94-9  | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063021\  
 Data File : VU044268.D  
 Acq On : 30 Jun 2021 18:27  
 Operator : SY/MD  
 Sample : M2905-12  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBK35

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR062121WMA.M  
 Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Propanal, 2-met... | 3.594  | 2.3     | ug/L  | 175548   | 1                     | 6.256  | 380121  | 5.0  |
| Butanal            | 4.459  | 16.0    | ug/L  | 1217540  | 1                     | 6.256  | 380121  | 5.0  |
| Isobutyl ether     | 8.887  | 0.8     | ug/L  | 99066    | 2                     | 9.423  | 620251  | 5.0  |
| unknown-01         | 10.710 | 0.5     | ug/L  | 876761   | 3                     | 11.819 | 8111290 | 5.0  |
| (DEL) Alkane: C... | 12.047 | 1.1     | ug/L  | 1723960  | 3                     | 11.819 | 8111290 | 5.0  |
| Benzene, 1-prop... | 12.102 | 0.7     | ug/L  | 1175330  | 3                     | 11.819 | 8111290 | 5.0  |
| Benzene, 2-ethy... | 12.581 | 0.6     | ug/L  | 967378   | 3                     | 11.819 | 8111290 | 5.0  |
| 3-Nonanol          | 12.729 | 0.6     | ug/L  | 922651   | 3                     | 11.819 | 8111290 | 5.0  |
| unknown-02         | 12.835 | 0.7     | ug/L  | 1119680  | 3                     | 11.819 | 8111290 | 5.0  |
| unknown-03         | 13.015 | 2.7     | ug/L  | 4428910  | 3                     | 11.819 | 8111290 | 5.0  |
| unknown-04         | 13.108 | 2.4     | ug/L  | 3807400  | 3                     | 11.819 | 8111290 | 5.0  |
| 2,4-Dipropyl-5-... | 13.494 | 0.6     | ug/L  | 900862   | 3                     | 11.819 | 8111290 | 5.0  |
| unknown-05         | 13.738 | 1.1     | ug/L  | 1850800  | 3                     | 11.819 | 8111290 | 5.0  |
| unknown-06         | 13.829 | 0.5     | ug/L  | 815434   | 3                     | 11.819 | 8111290 | 5.0  |
| Cyanic acid, et... | 13.976 | 4.7     | ug/L  | 7540920  | 3                     | 11.819 | 8111290 | 5.0  |
| unknown-07         | 14.382 | 0.6     | ug/L  | 1034200  | 3                     | 11.819 | 8111290 | 5.0  |
| unknown-08         | 14.584 | 0.7     | ug/L  | 1154910  | 3                     | 11.819 | 8111290 | 5.0  |
| (DEL) Alkane: C... | 14.758 | 0.9     | ug/L  | 1461160  | 3                     | 11.819 | 8111290 | 5.0  |
| unknown-09         | 15.188 | 1.6     | ug/L  | 2562840  | 3                     | 11.819 | 8111290 | 5.0  |