

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
 Data File : VV025384.D  
 Acq On : 07 Apr 2022 14:28  
 Operator : SY/MD  
 Sample : N2261-09  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFY45

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.1

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VV025384.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         | 1.111       | 15            | 22          | 39           | rBV      | 1561680        | 1431022       | 100.00%         | 8.790%        |
| 2         | 1.217       | 49            | 55          | 63           | rBV      | 91224          | 80418         | 5.62%           | 0.494%        |
| 3         | 1.298       | 72            | 80          | 90           | rBV2     | 879331         | 1179067       | 82.39%          | 7.243%        |
| 4         | 1.355       | 95            | 98          | 104          | rVB      | 31649          | 28592         | 2.00%           | 0.176%        |
| 5         | 1.417       | 111           | 117         | 135          | rVB      | 150828         | 163551        | 11.43%          | 1.005%        |
| 6         | 1.568       | 155           | 164         | 175          | rVB2     | 117501         | 152466        | 10.65%          | 0.937%        |
| 7         | 1.635       | 177           | 185         | 196          | rVB      | 61115          | 76072         | 5.32%           | 0.467%        |
| 8         | 1.767       | 217           | 226         | 233          | rBV      | 160050         | 198734        | 13.89%          | 1.221%        |
| 9         | 1.812       | 233           | 240         | 257          | rVB3     | 117327         | 217598        | 15.21%          | 1.337%        |
| 10        | 1.902       | 262           | 268         | 280          | rVB2     | 18907          | 24533         | 1.71%           | 0.151%        |
| 11        | 1.979       | 282           | 292         | 301          | rBV3     | 65756          | 99906         | 6.98%           | 0.614%        |
| 12        | 2.024       | 301           | 306         | 316          | rVB      | 13102          | 18004         | 1.26%           | 0.111%        |
| 13        | 2.111       | 320           | 333         | 345          | rBV4     | 290288         | 511480        | 35.74%          | 3.142%        |
| 14        | 2.349       | 399           | 407         | 422          | rVB      | 17190          | 29830         | 2.08%           | 0.183%        |
| 15        | 2.449       | 422           | 438         | 454          | rBV8     | 9830           | 30941         | 2.16%           | 0.190%        |
| 16        | 2.770       | 519           | 538         | 553          | rBV6     | 9338           | 23888         | 1.67%           | 0.147%        |
| 17        | 2.950       | 583           | 594         | 608          | rVB4     | 16437          | 35809         | 2.50%           | 0.220%        |
| 18        | 3.191       | 647           | 669         | 688          | rBV2     | 74950          | 176283        | 12.32%          | 1.083%        |
| 19        | 3.458       | 736           | 752         | 762          | rBV8     | 6082           | 14959         | 1.05%           | 0.092%        |
| 20        | 3.918       | 879           | 895         | 926          | rBV3     | 66138          | 226955        | 15.86%          | 1.394%        |
| 21        | 4.352       | 1014          | 1030        | 1055         | rBV2     | 97105          | 249200        | 17.41%          | 1.531%        |
| 22        | 4.609       | 1091          | 1110        | 1126         | rBV2     | 19637          | 51229         | 3.58%           | 0.315%        |
| 23        | 5.050       | 1231          | 1247        | 1281         | rBV2     | 212444         | 549057        | 38.37%          | 3.373%        |
| 24        | 5.619       | 1412          | 1424        | 1454         | rBV      | 176503         | 368064        | 25.72%          | 2.261%        |
| 25        | 5.915       | 1504          | 1516        | 1538         | rBV3     | 65890          | 142269        | 9.94%           | 0.874%        |
| 26        | 6.069       | 1551          | 1564        | 1588         | rBV2     | 119647         | 254651        | 17.80%          | 1.564%        |
| 27        | 6.291       | 1620          | 1633        | 1649         | rBV2     | 34537          | 75459         | 5.27%           | 0.464%        |
| 28        | 6.989       | 1836          | 1850        | 1871         | rBV2     | 53910          | 104780        | 7.32%           | 0.644%        |
| 29        | 7.317       | 1941          | 1952        | 1967         | rBV      | 254333         | 443344        | 30.98%          | 2.723%        |
| 30        | 7.391       | 1967          | 1975        | 1989         | rVB      | 39432          | 72460         | 5.06%           | 0.445%        |
| 31        | 7.625       | 2038          | 2048        | 2065         | rBV2     | 30816          | 58724         | 4.10%           | 0.361%        |
| 32        | 7.976       | 2139          | 2157        | 2171         | rBV2     | 82784          | 145580        | 10.17%          | 0.894%        |
| 33        | 8.091       | 2183          | 2193        | 2228         | rBV      | 197419         | 432305        | 30.21%          | 2.655%        |
| 34        | 8.236       | 2228          | 2238        | 2265         | rBV      | 395948         | 674609        | 47.14%          | 4.144%        |
| 35        | 8.850       | 2418          | 2429        | 2452         | rBV      | 267931         | 447198        | 31.25%          | 2.747%        |
| 36        | 9.805       | 2715          | 2726        | 2745         | rBV2     | 112175         | 186638        | 13.04%          | 1.146%        |

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFY45

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.1

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
 Title : TRACE VOA SFAM1.0

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 10.217 | 2842 | 2854 | 2871 | rVB  | 86116  | 136949 | 9.57%  | 0.841% |
| 38 | 10.715 | 2999 | 3009 | 3018 | rBV  | 88085  | 132517 | 9.26%  | 0.814% |
| 39 | 10.760 | 3018 | 3023 | 3039 | rVB6 | 15528  | 27942  | 1.95%  | 0.172% |
| 40 | 10.915 | 3063 | 3071 | 3093 | rVB5 | 19176  | 47509  | 3.32%  | 0.292% |
| 41 | 11.146 | 3131 | 3143 | 3163 | rBV  | 240111 | 382223 | 26.71% | 2.348% |
| 42 | 11.246 | 3165 | 3174 | 3191 | rVB  | 303240 | 476286 | 33.28% | 2.926% |
| 43 | 11.387 | 3209 | 3218 | 3224 | rBV2 | 14184  | 23604  | 1.65%  | 0.145% |
| 44 | 11.426 | 3224 | 3230 | 3239 | rVB3 | 16335  | 24982  | 1.75%  | 0.153% |
| 45 | 11.622 | 3280 | 3291 | 3306 | rBV  | 264437 | 420265 | 29.37% | 2.582% |
| 46 | 12.008 | 3397 | 3411 | 3422 | rBV6 | 20240  | 39990  | 2.79%  | 0.246% |
| 47 | 12.255 | 3474 | 3488 | 3499 | rBV8 | 13771  | 29561  | 2.07%  | 0.182% |
| 48 | 12.342 | 3503 | 3515 | 3534 | rBV  | 636081 | 961825 | 67.21% | 5.908% |
| 49 | 12.464 | 3547 | 3553 | 3560 | rBV7 | 12311  | 18463  | 1.29%  | 0.113% |
| 50 | 12.728 | 3627 | 3635 | 3646 | rVB8 | 9444   | 16604  | 1.16%  | 0.102% |
| 51 | 12.799 | 3646 | 3657 | 3666 | rBV8 | 11729  | 23831  | 1.67%  | 0.146% |
| 52 | 12.886 | 3672 | 3684 | 3702 | rBV3 | 120189 | 233411 | 16.31% | 1.434% |
| 53 | 13.037 | 3721 | 3731 | 3749 | rBV2 | 110258 | 240606 | 16.81% | 1.478% |
| 54 | 13.265 | 3795 | 3802 | 3811 | rBV9 | 15959  | 28256  | 1.97%  | 0.174% |
| 55 | 13.429 | 3847 | 3853 | 3861 | rBV6 | 42331  | 81441  | 5.69%  | 0.500% |
| 56 | 13.541 | 3881 | 3888 | 3906 | rVB6 | 90491  | 168355 | 11.76% | 1.034% |
| 57 | 13.638 | 3907 | 3918 | 3929 | rBV3 | 172189 | 347438 | 24.28% | 2.134% |
| 58 | 13.898 | 3990 | 3999 | 4014 | rBV  | 486932 | 753747 | 52.67% | 4.630% |
| 59 | 14.091 | 4051 | 4059 | 4068 | rVB3 | 99044  | 154091 | 10.77% | 0.947% |
| 60 | 14.172 | 4079 | 4084 | 4100 | rVB7 | 91562  | 182580 | 12.76% | 1.122% |
| 61 | 14.371 | 4138 | 4146 | 4156 | rBV6 | 82471  | 175655 | 12.27% | 1.079% |
| 62 | 14.506 | 4183 | 4188 | 4200 | rVB4 | 154083 | 227853 | 15.92% | 1.400% |
| 63 | 14.586 | 4209 | 4213 | 4223 | rVB3 | 88487  | 120287 | 8.41%  | 0.739% |
| 64 | 14.651 | 4225 | 4233 | 4242 | rVV  | 230068 | 326370 | 22.81% | 2.005% |
| 65 | 14.844 | 4285 | 4293 | 4302 | rVB  | 644733 | 849537 | 59.37% | 5.218% |
| 66 | 14.895 | 4303 | 4309 | 4315 | rVB3 | 62778  | 78400  | 5.48%  | 0.482% |
| 67 | 15.416 | 4463 | 4471 | 4479 | rBV  | 174913 | 247623 | 17.30% | 1.521% |
| 68 | 15.731 | 4560 | 4569 | 4578 | rVB  | 199560 | 269547 | 18.84% | 1.656% |
| 69 | 16.178 | 4703 | 4708 | 4721 | rVB6 | 21605  | 31137  | 2.18%  | 0.191% |
| 70 | 16.303 | 4741 | 4747 | 4758 | rVB7 | 15521  | 25189  | 1.76%  | 0.155% |

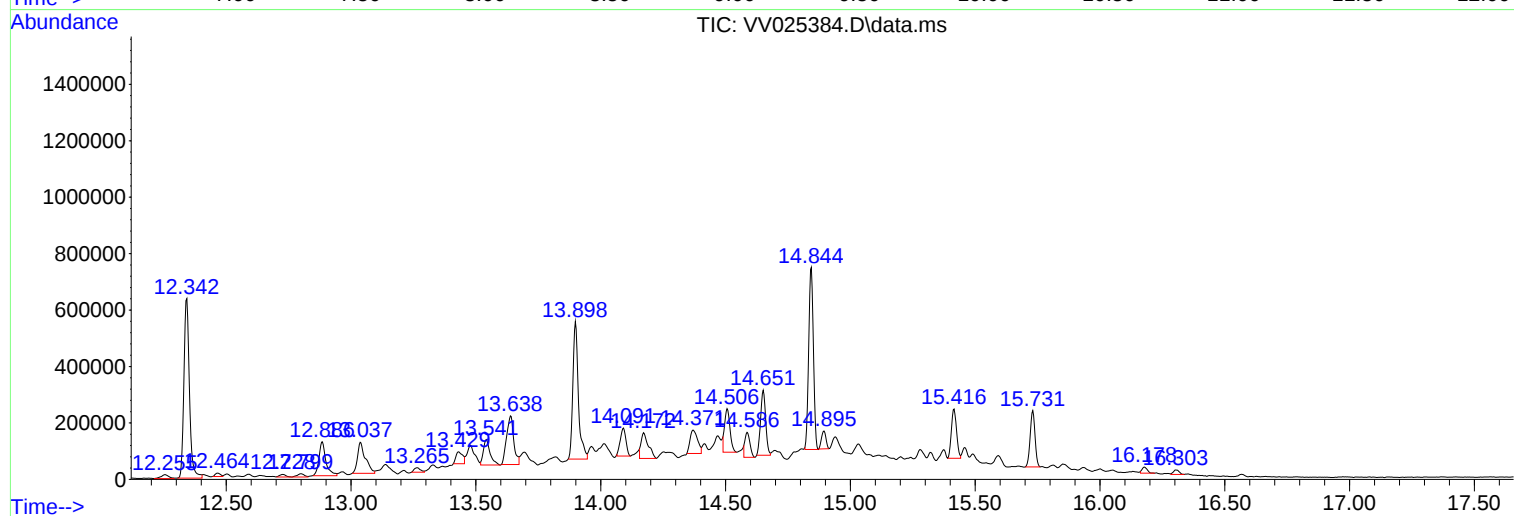
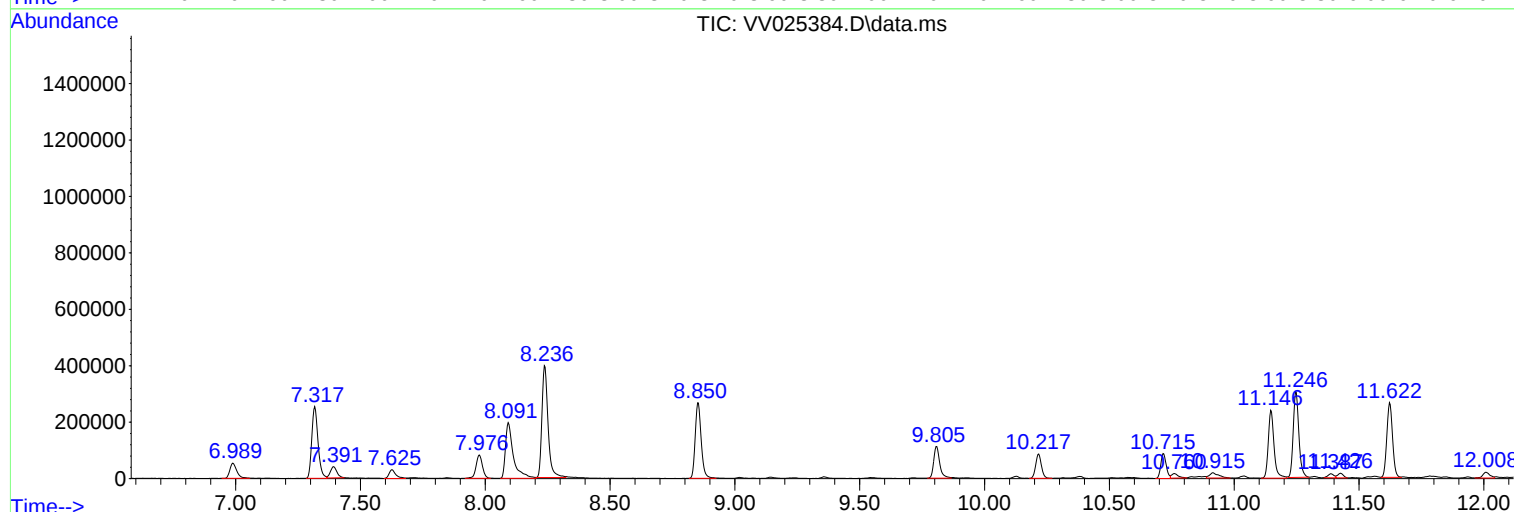
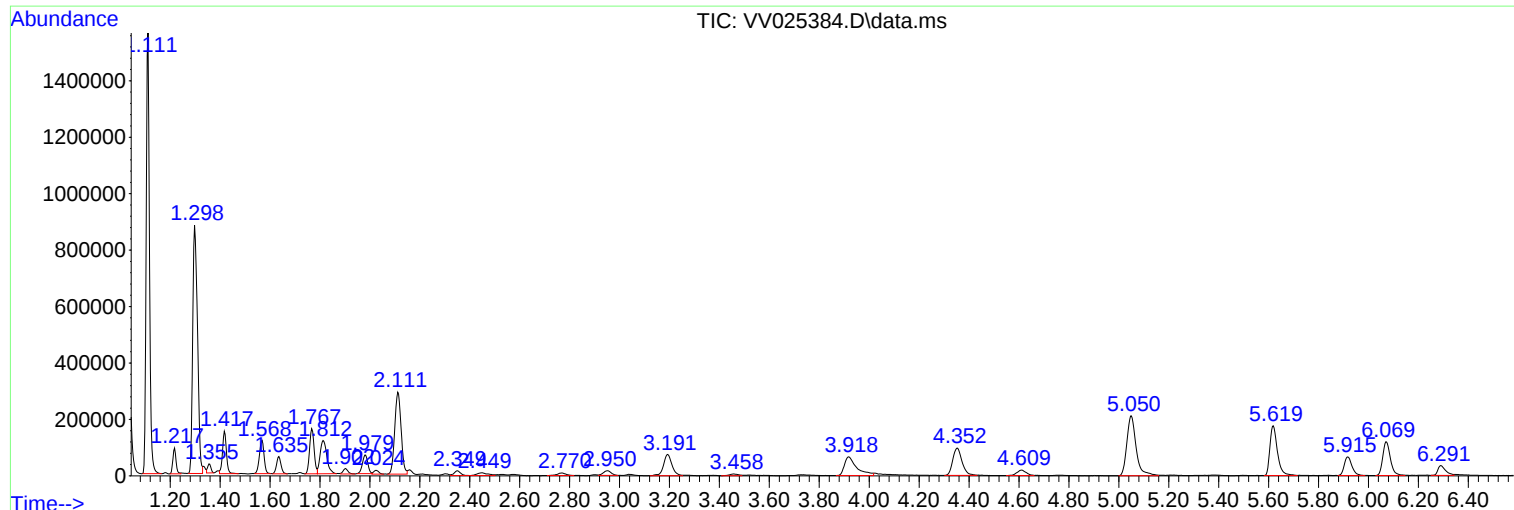
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

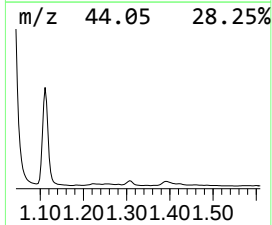
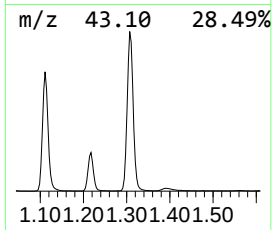
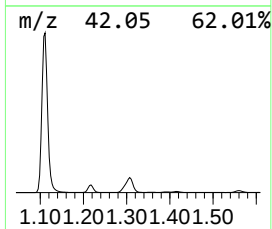
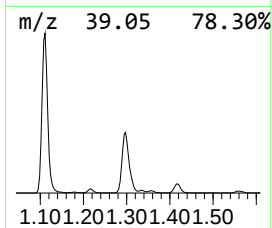
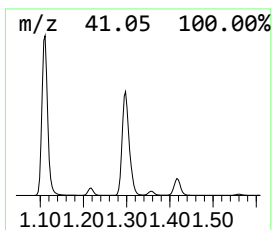
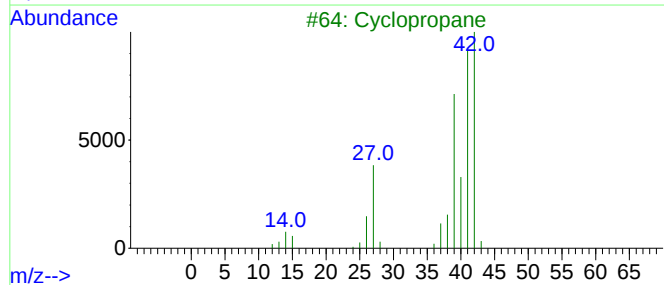
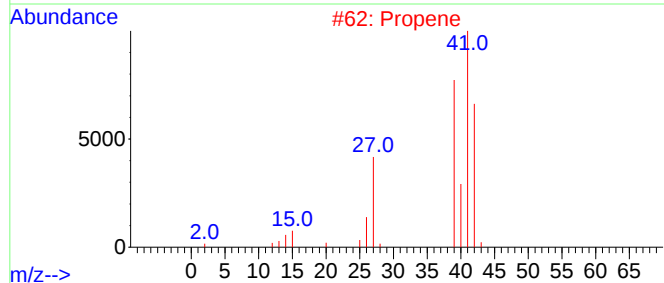
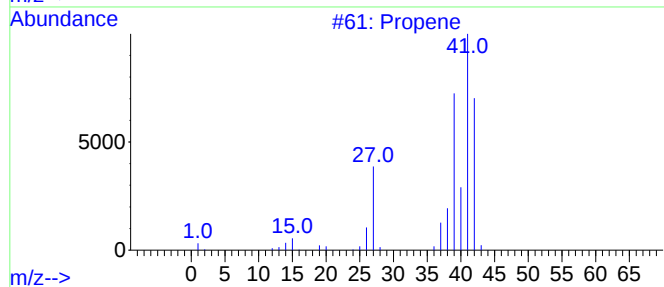
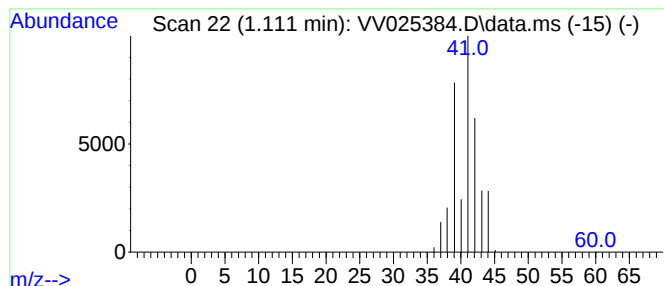
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD    | R.T.  |
|-------|------------|---------|---------------------|-------|
| 1.111 | 19.44 ug/L | 1431020 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------|----|---------|-------------|------|
| 1    |    |   | Propene      | 42 | C3H6    | 000115-07-1 | 90   |
| 2    |    |   | Propene      | 42 | C3H6    | 000115-07-1 | 42   |
| 3    |    |   | Cyclopropane | 42 | C3H6    | 000075-19-4 | 9    |
| 4    |    |   | Cyclopropene | 40 | C3H4    | 002781-85-3 | 9    |
| 5    |    |   | Cyclopropane | 42 | C3H6    | 000075-19-4 | 7    |



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

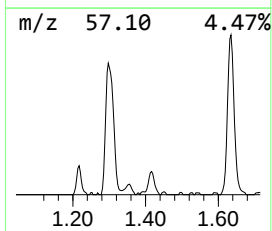
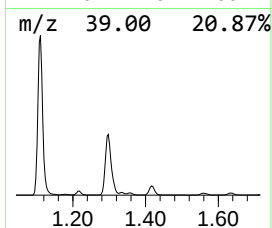
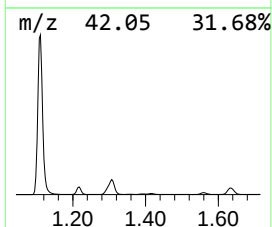
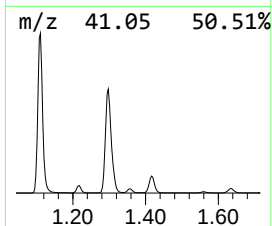
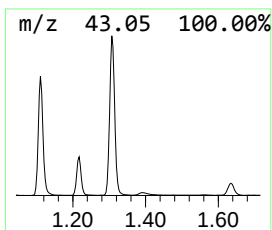
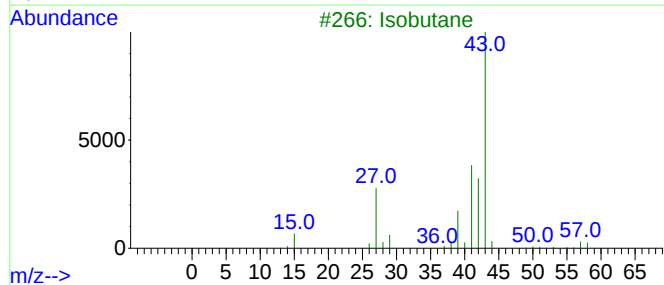
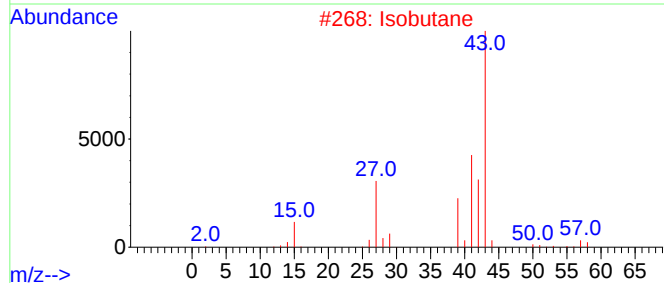
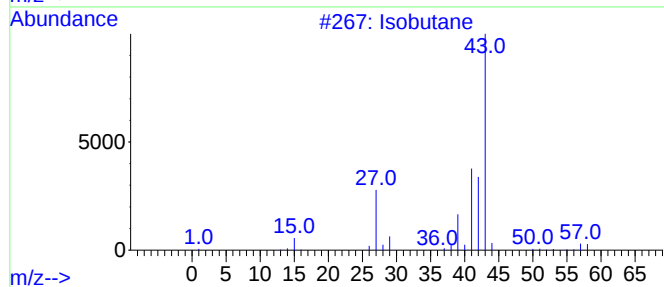
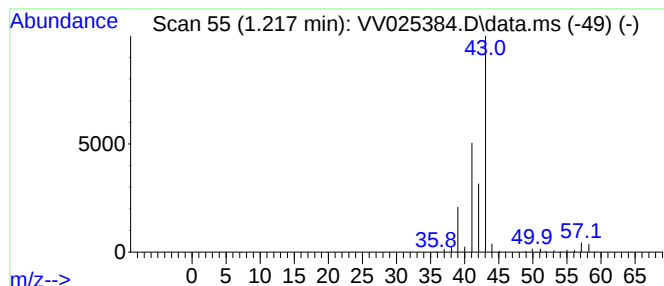
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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 26

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.217 | 1.09 ug/L | 80418 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|------|--------------|----|---------|-------------|------|
| 1    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 78   |
| 2    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 78   |
| 3    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 78   |
| 4    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 72   |
| 5    |      | Isobutane    | 58 | C4H10   | 000075-28-5 | 50   |



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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

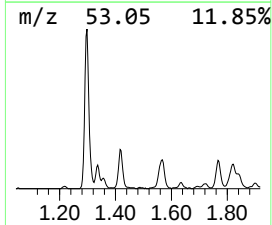
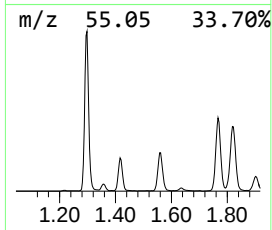
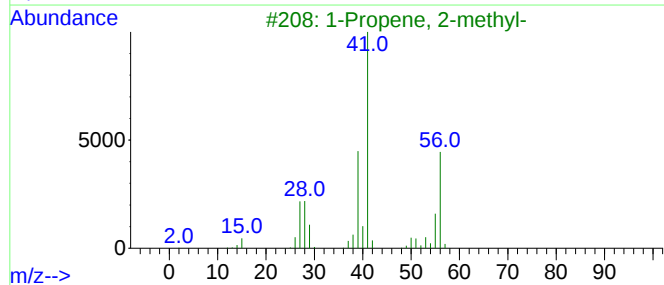
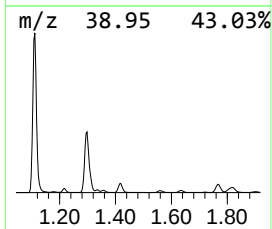
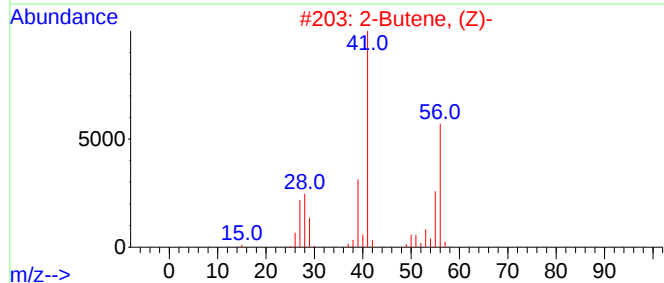
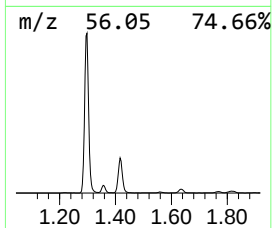
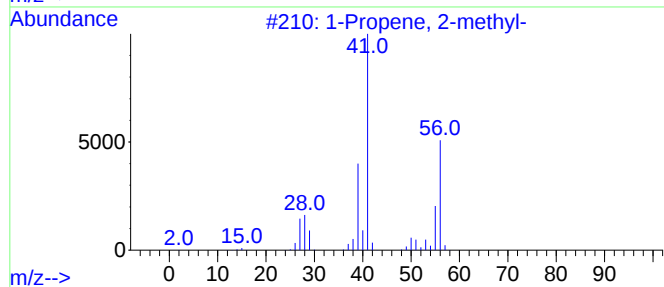
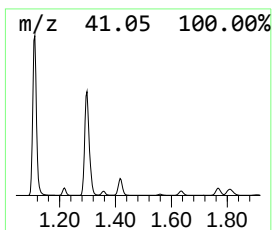
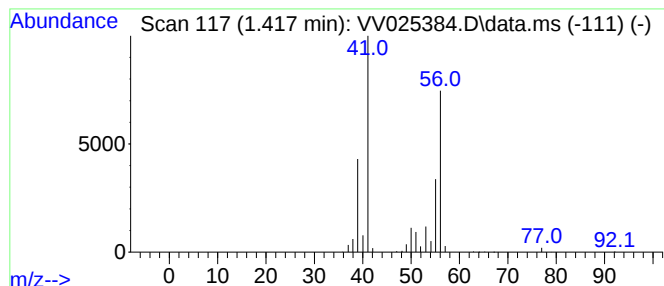
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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 16

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.417 | 2.22 ug/L | 163551 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|------|----------------------|----|---------|-------------|------|
| 1    |      | 1-Propene, 2-methyl- | 56 | C4H8    | 000115-11-7 | 80   |
| 2    |      | 2-Butene, (Z)-       | 56 | C4H8    | 000590-18-1 | 80   |
| 3    |      | 1-Propene, 2-methyl- | 56 | C4H8    | 000115-11-7 | 80   |
| 4    |      | 2-Butene, (Z)-       | 56 | C4H8    | 000590-18-1 | 74   |
| 5    |      | 2-Butene             | 56 | C4H8    | 000107-01-7 | 72   |



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Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
Quant Title : TRACE VOA SFAM1.0

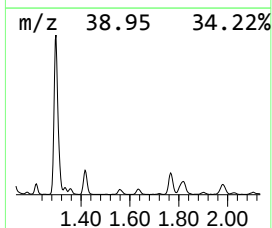
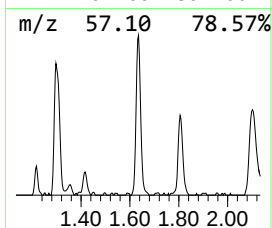
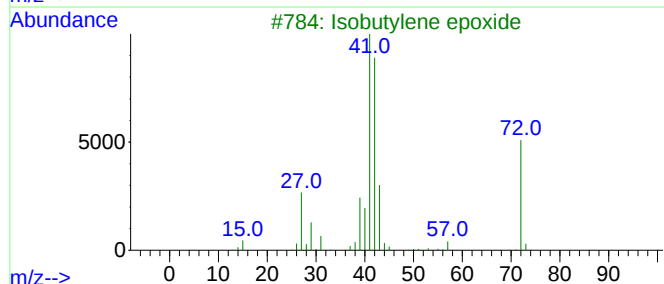
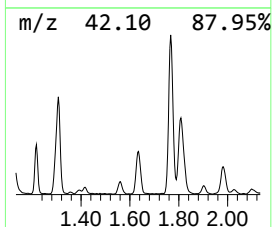
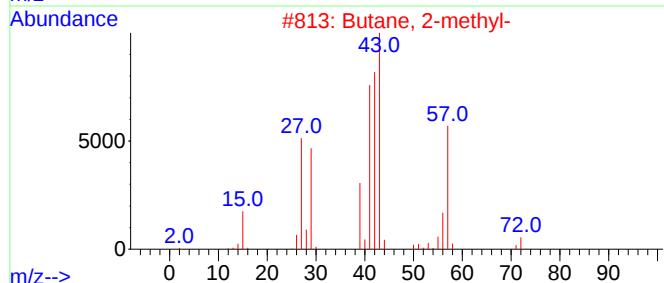
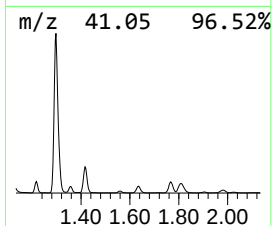
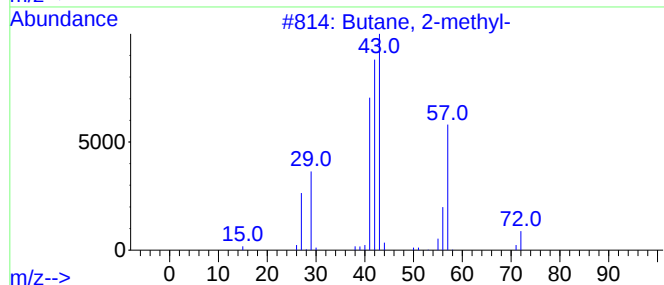
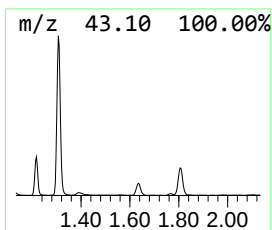
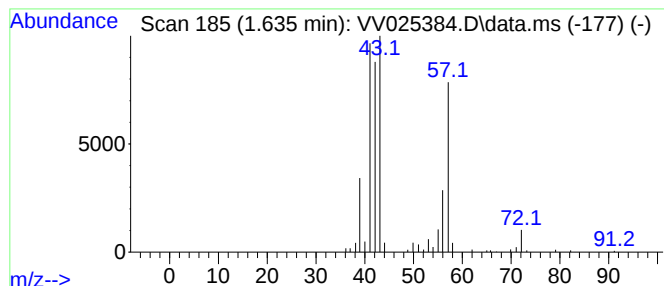
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 27

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.635 | 1.03 ug/L | 76072 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methyl-          | 72  | C5H12   | 000078-78-4 | 86   |
| 2    |    |   | Butane, 2-methyl-          | 72  | C5H12   | 000078-78-4 | 86   |
| 3    |    |   | Isobutylene epoxide        | 72  | C4H8O   | 000558-30-5 | 40   |
| 4    |    |   | Pentane                    | 72  | C5H12   | 000109-66-0 | 28   |
| 5    |    |   | Butane, 2-chloro-3-methyl- | 106 | C5H11Cl | 000631-65-2 | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
Quant Title : TRACE VOA SFAM1.0

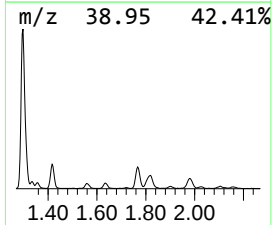
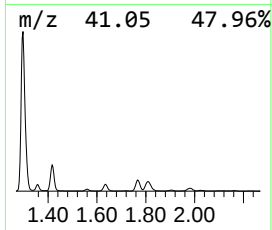
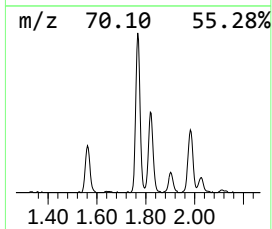
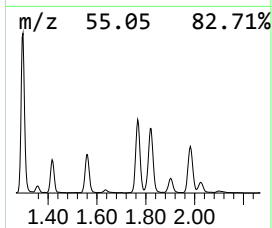
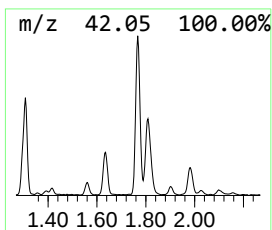
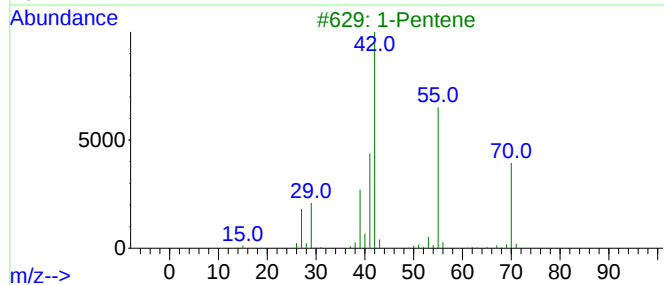
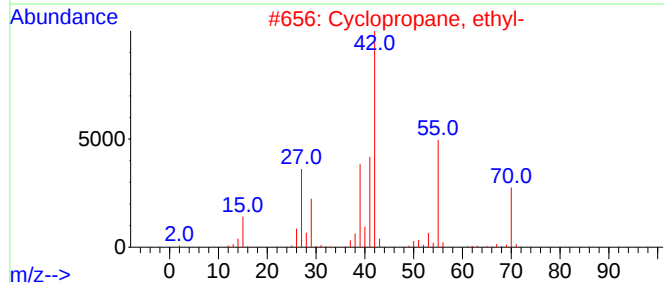
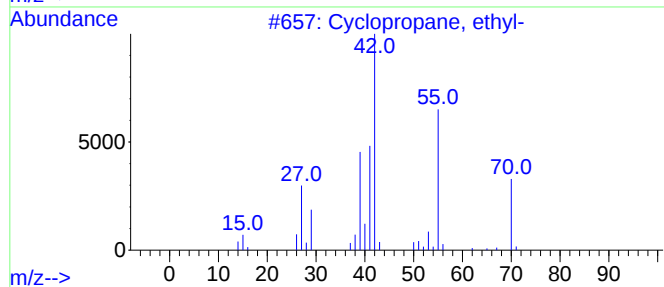
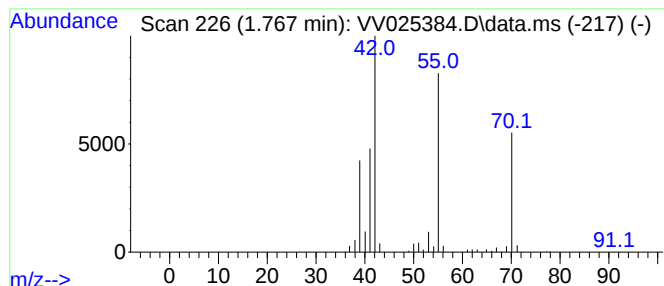
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Cyclic1.767 Concentration Rank 11

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.767 | 2.70 ug/L | 198734 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of | 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------------|----|---------|-------------|------|
| 1    |    |   | Cyclopropane, ethyl- | 70 | C5H10   | 001191-96-4 | 87   |
| 2    |    |   | Cyclopropane, ethyl- | 70 | C5H10   | 001191-96-4 | 78   |
| 3    |    |   | 1-Pentene            | 70 | C5H10   | 000109-67-1 | 68   |
| 4    |    |   | Cyclopropane, ethyl- | 70 | C5H10   | 001191-96-4 | 62   |
| 5    |    |   | Cyclobutane, methyl- | 70 | C5H10   | 000598-61-8 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
Quant Title : TRACE VOA SFAM1.0

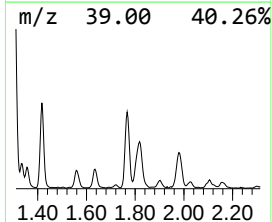
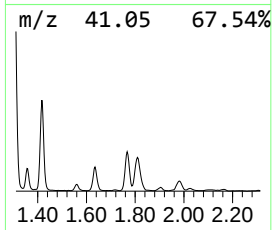
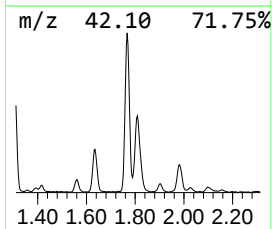
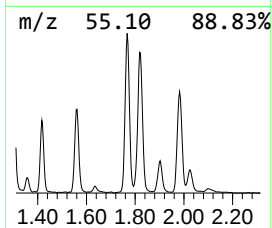
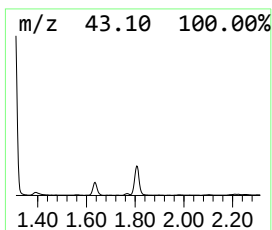
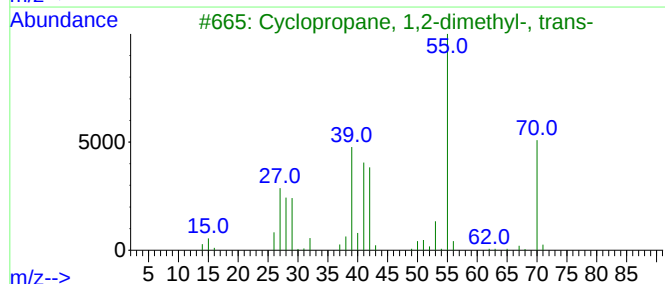
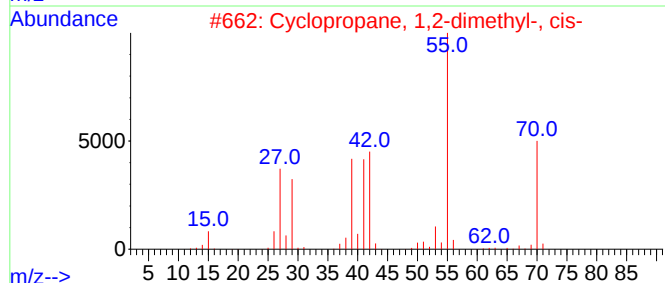
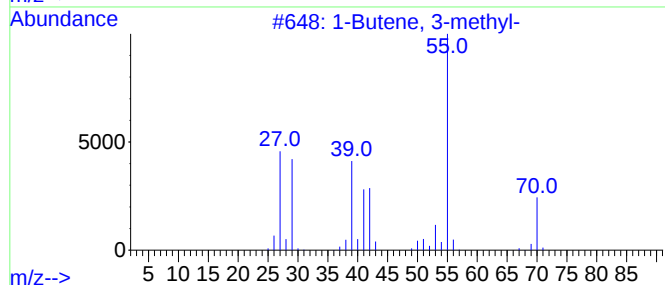
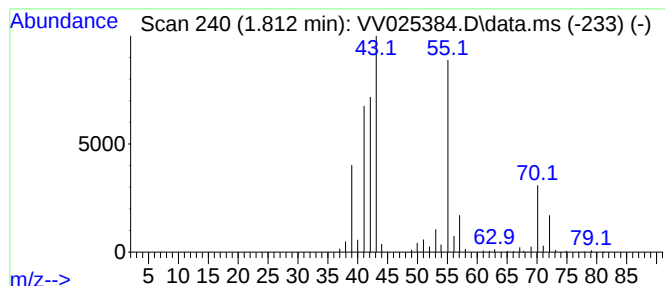
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.812 | 2.96 ug/L | 217598 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of 5 | Tentative ID                        | MW | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|----|---------|-------------|------|
| 1    |      | 1-Butene, 3-methyl-                 | 70 | C5H10   | 000563-45-1 | 58   |
| 2    |      | Cyclopropane, 1,2-dimethyl-, cis-   | 70 | C5H10   | 000930-18-7 | 53   |
| 3    |      | Cyclopropane, 1,2-dimethyl-, trans- | 70 | C5H10   | 002402-06-4 | 49   |
| 4    |      | 1-Pentene                           | 70 | C5H10   | 000109-67-1 | 45   |
| 5    |      | Cyclopropane, ethyl-                | 70 | C5H10   | 001191-96-4 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

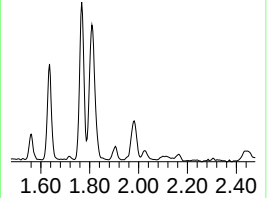
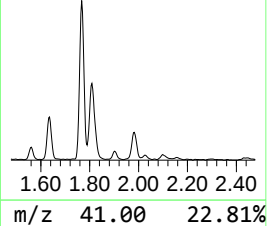
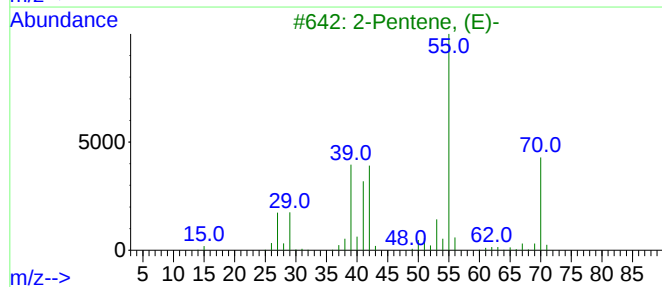
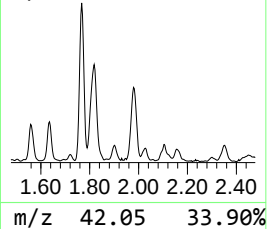
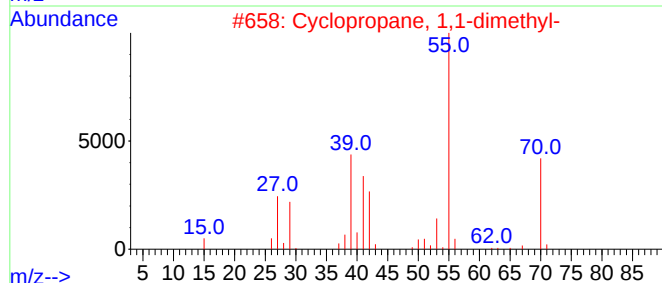
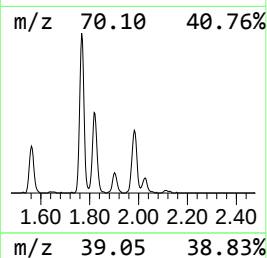
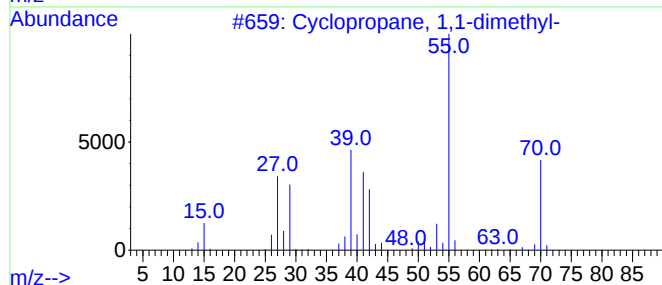
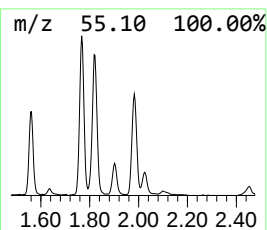
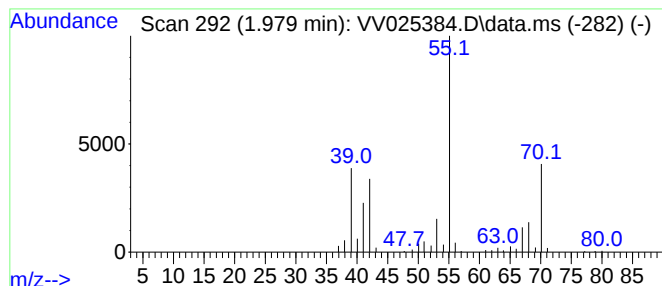
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Cyclic1.979 Concentration Rank 24

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.979 | 1.36 ug/L | 99906 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of | 5 | Tentative ID                        | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|----|---------|-------------|------|
| 1    |    |   | Cyclopropane, 1,1-dimethyl-         | 70 | C5H10   | 001630-94-0 | 83   |
| 2    |    |   | Cyclopropane, 1,1-dimethyl-         | 70 | C5H10   | 001630-94-0 | 83   |
| 3    |    |   | 2-Pentene, (E)-                     | 70 | C5H10   | 000646-04-8 | 83   |
| 4    |    |   | Cyclopropane, 1,2-dimethyl-, trans- | 70 | C5H10   | 002402-06-4 | 80   |
| 5    |    |   | Cyclopropane, 1,1-dimethyl-         | 70 | C5H10   | 001630-94-0 | 68   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

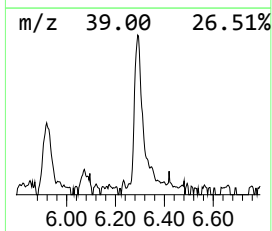
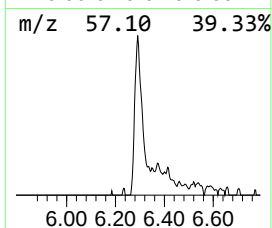
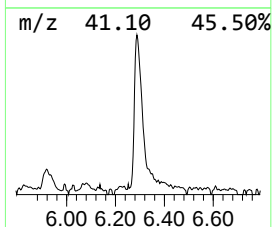
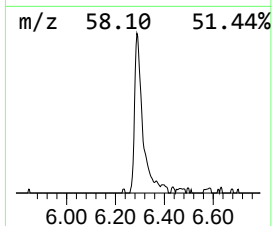
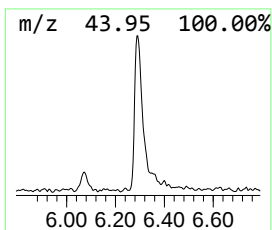
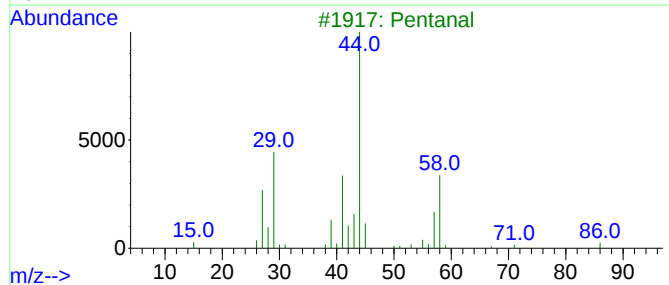
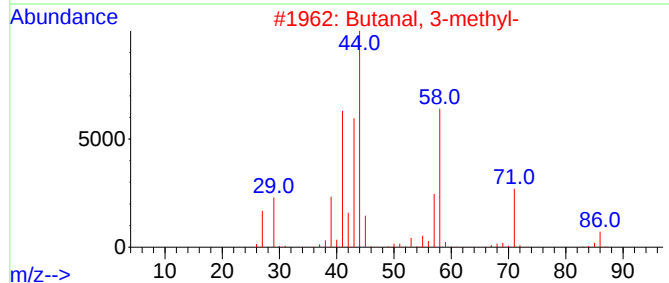
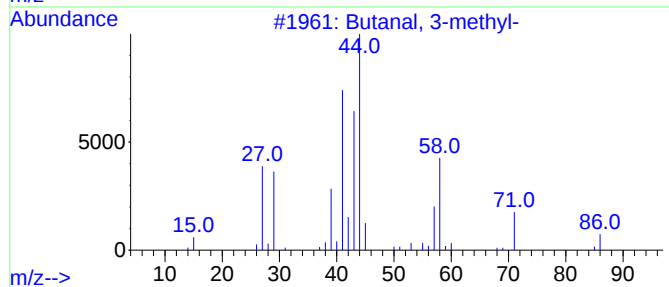
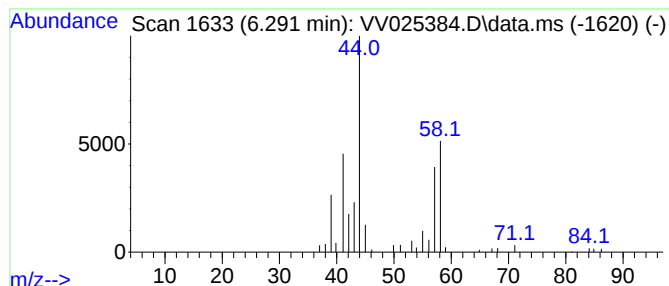
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 8 Butanal, 3-methyl- Concentration Rank 28

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 6.291 | 1.03 ug/L | 75459 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of | 5 | Tentative ID       | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------|----|---------|-------------|------|
| 1    |    |   | Butanal, 3-methyl- | 86 | C5H10O  | 000590-86-3 | 86   |
| 2    |    |   | Butanal, 3-methyl- | 86 | C5H10O  | 000590-86-3 | 83   |
| 3    |    |   | Pentanal           | 86 | C5H10O  | 000110-62-3 | 78   |
| 4    |    |   | Pentanal           | 86 | C5H10O  | 000110-62-3 | 78   |
| 5    |    |   | Pentanal           | 86 | C5H10O  | 000110-62-3 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

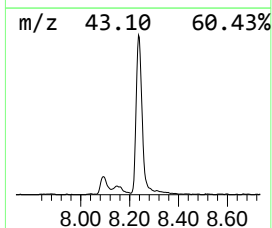
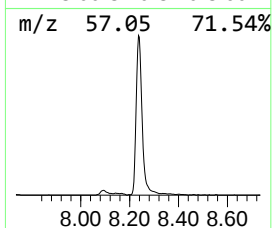
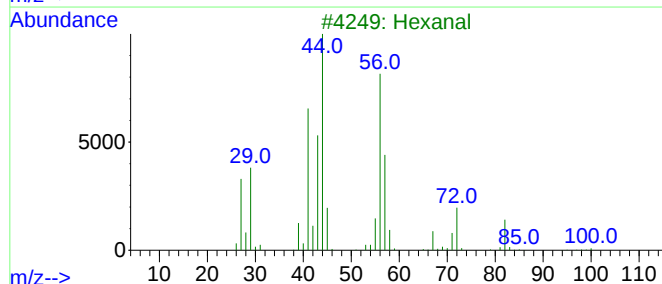
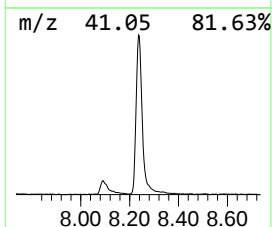
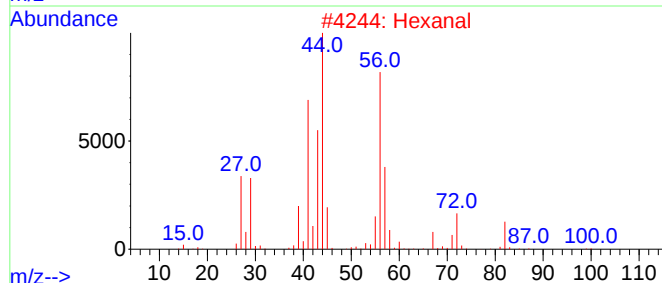
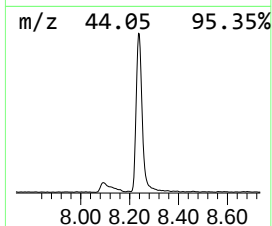
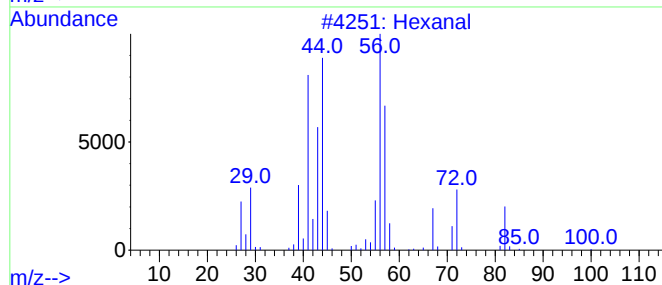
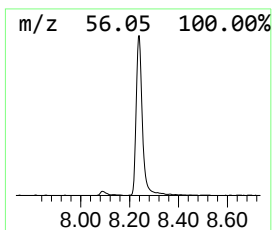
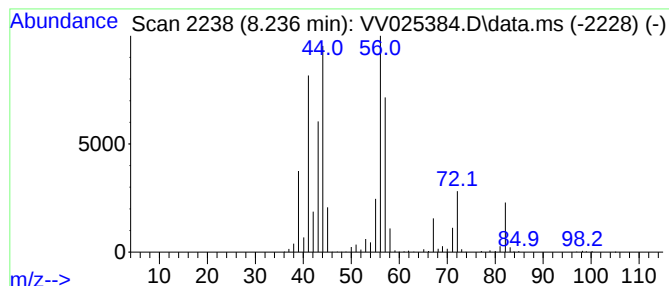
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 10 Hexanal Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 8.236 | 7.54 ug/L | 674609 | Chlorobenzene-d5 | 8.854 |

| Hit# | of      | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------|---|--------------|-----|---------|-------------|------|
| 1    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 94   |
| 2    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 91   |
| 3    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 91   |
| 4    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 90   |
| 5    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

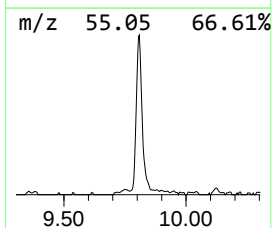
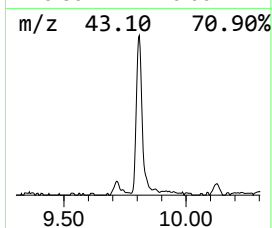
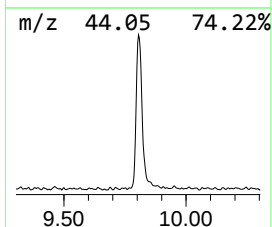
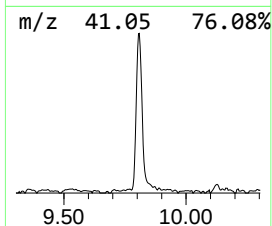
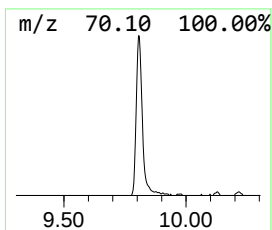
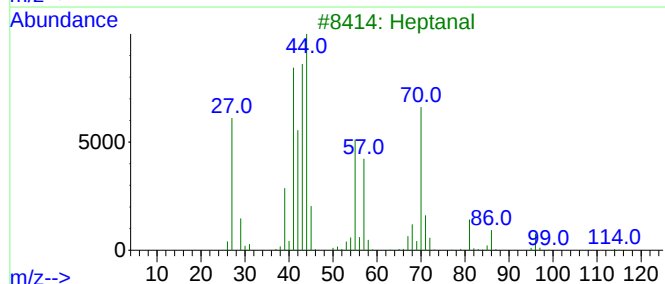
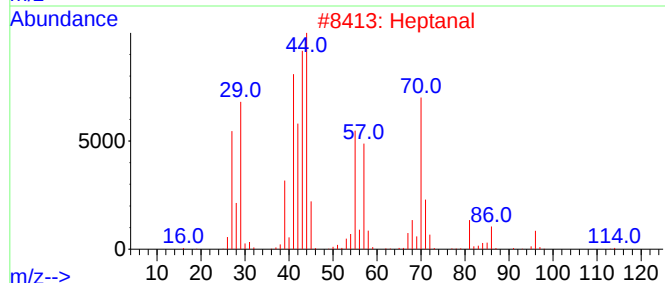
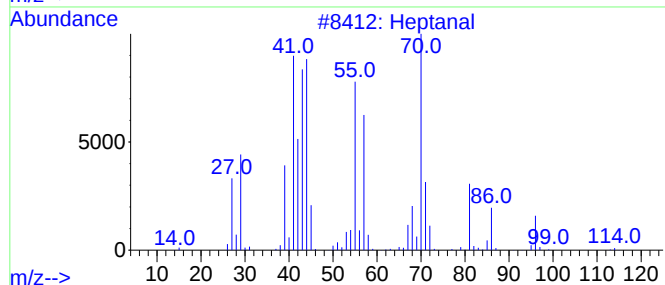
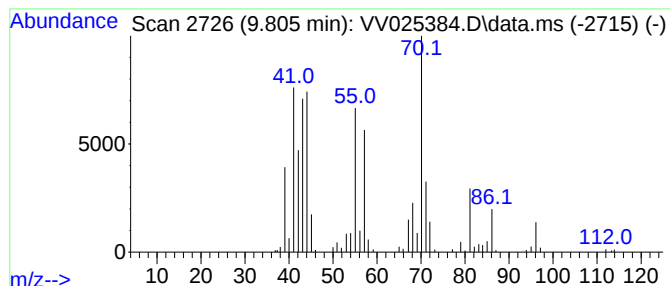
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 11 Heptanal Concentration Rank 17

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 9.805 | 2.09 ug/L | 186638 | Chlorobenzene-d5 | 8.854 |

| Hit# | of       | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------|---|--------------|-----|---------|-------------|------|
| 1    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 96   |
| 2    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 95   |
| 3    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 94   |
| 4    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 68   |
| 5    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

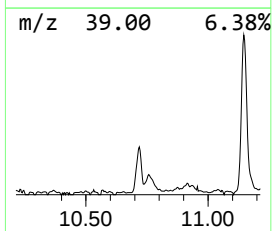
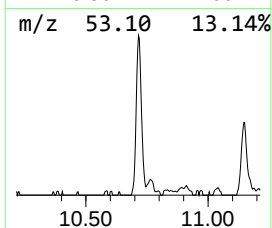
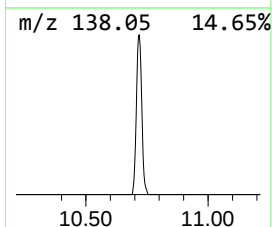
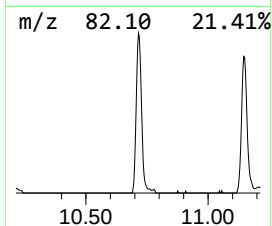
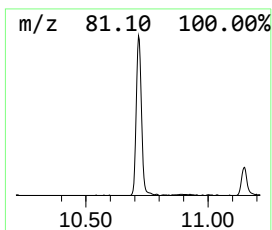
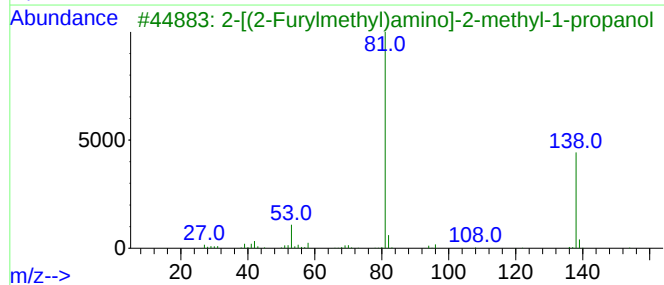
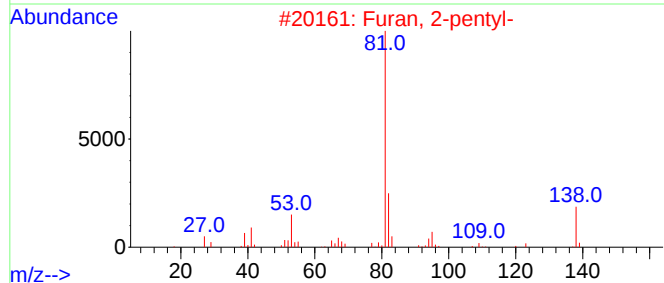
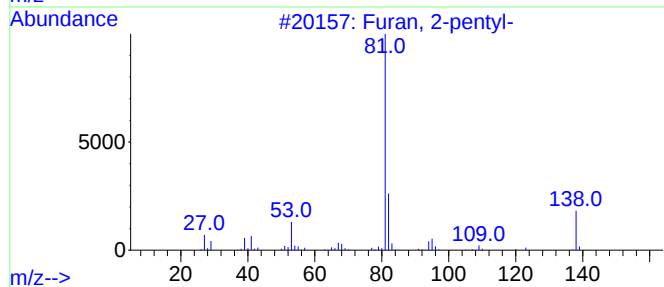
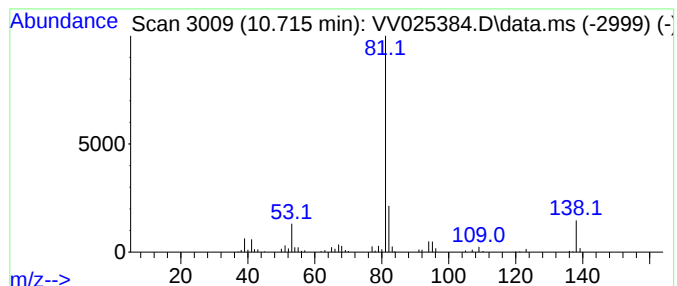
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 12 Furan, 2-pentyl- Concentration Rank 23

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 10.715 | 1.39 ug/L | 132517 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Furan, 2-pentyl-                    | 138 | C9H14O   | 003777-69-3 | 91   |
| 2    |    |   | Furan, 2-pentyl-                    | 138 | C9H14O   | 003777-69-3 | 91   |
| 3    |    |   | 2-[(2-Furylmethyl)amino]-2-methy... | 169 | C9H15NO2 | 889949-94-4 | 59   |
| 4    |    |   | 2-Cyclopentene-1-carboxylic acid... | 126 | C7H10O2  | 068317-77-1 | 50   |
| 5    |    |   | Cyclohexene, 3-(1-methylethyl)-     | 124 | C9H16    | 003983-08-2 | 39   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

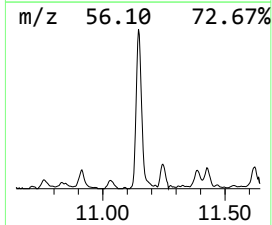
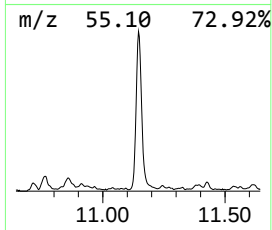
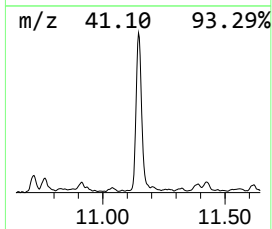
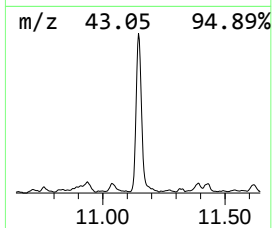
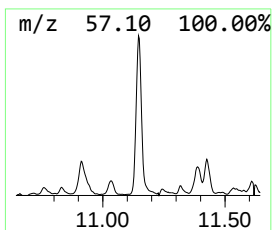
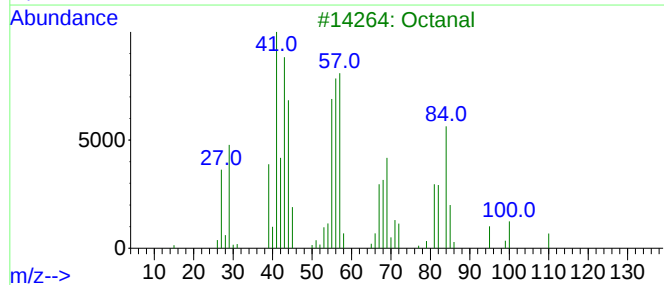
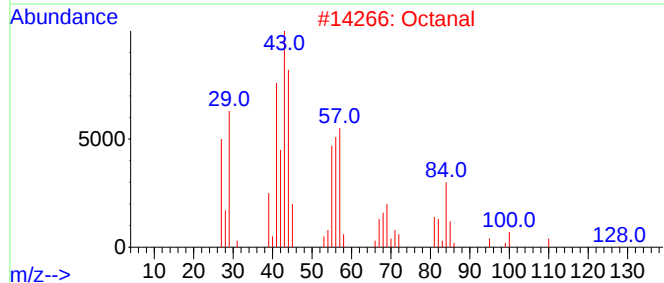
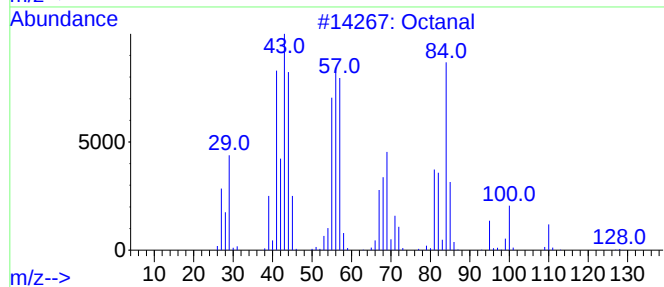
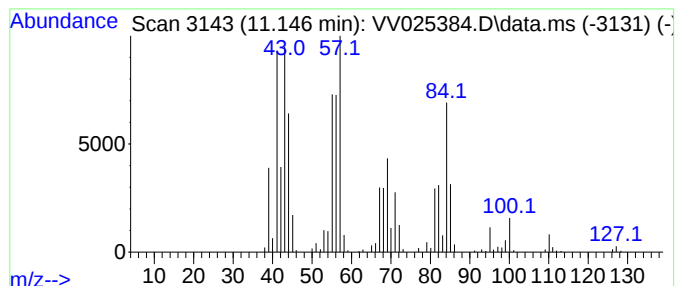
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 13 Octanal Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 11.146 | 4.01 ug/L | 382223 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of                               | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | Octanal                          |   |              | 128 | C8H16O  | 000124-13-0 | 97   |
| 2    | Octanal                          |   |              | 128 | C8H16O  | 000124-13-0 | 95   |
| 3    | Octanal                          |   |              | 128 | C8H16O  | 000124-13-0 | 83   |
| 4    | Octanal                          |   |              | 128 | C8H16O  | 000124-13-0 | 81   |
| 5    | Cyclopentanol, 2-methyl-, trans- |   |              | 100 | C6H12O  | 025144-04-1 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

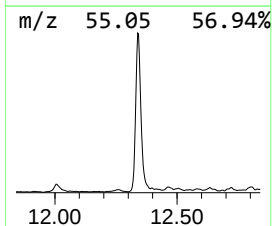
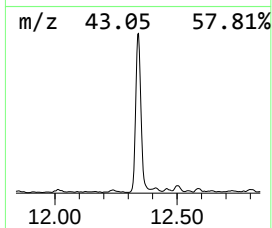
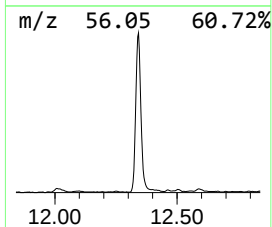
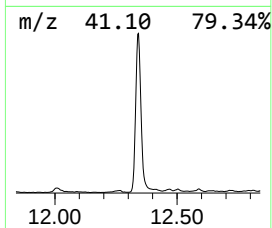
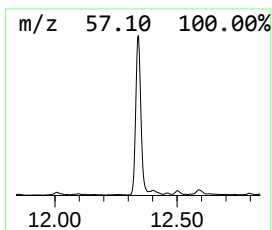
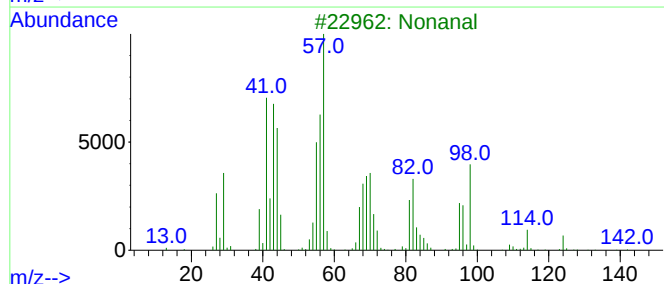
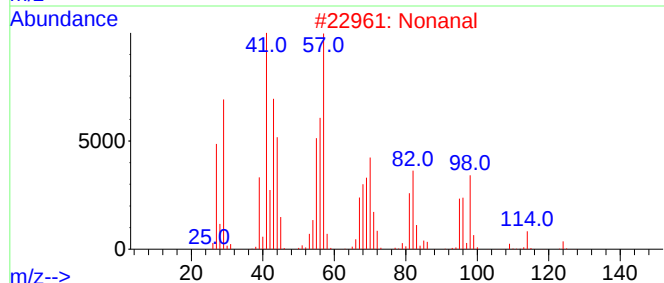
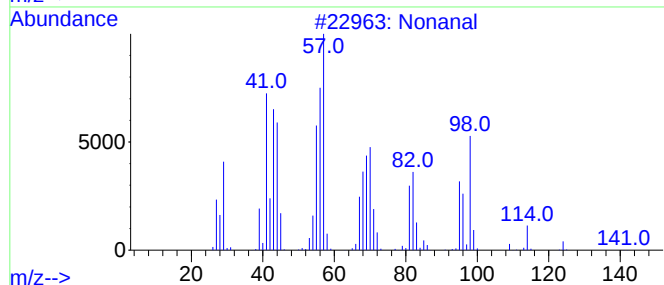
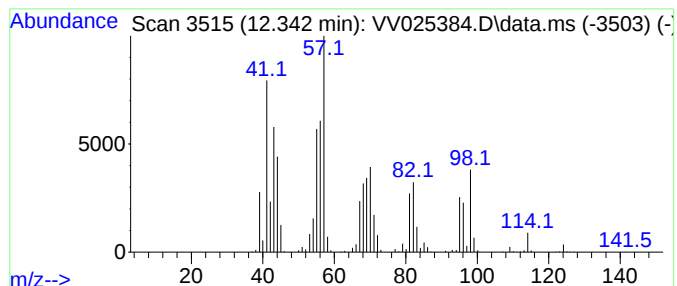
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 14 Nonanal Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.342 | 10.10 ug/L | 961825 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------|-----|---------|-------------|------|
| 1    |    |   | Nonanal            | 142 | C9H18O  | 000124-19-6 | 91   |
| 2    |    |   | Nonanal            | 142 | C9H18O  | 000124-19-6 | 91   |
| 3    |    |   | Nonanal            | 142 | C9H18O  | 000124-19-6 | 91   |
| 4    |    |   | Nonanal            | 142 | C9H18O  | 000124-19-6 | 83   |
| 5    |    |   | Heptane, 2-chloro- | 134 | C7H15Cl | 001001-89-4 | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

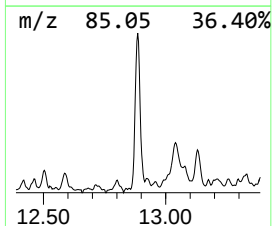
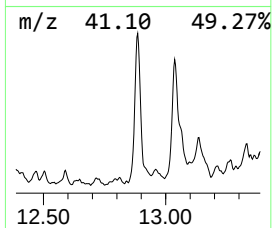
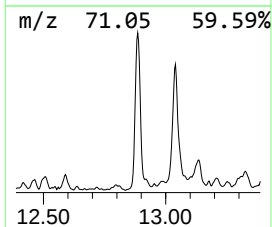
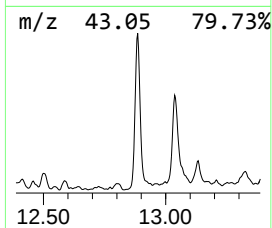
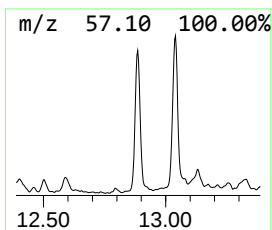
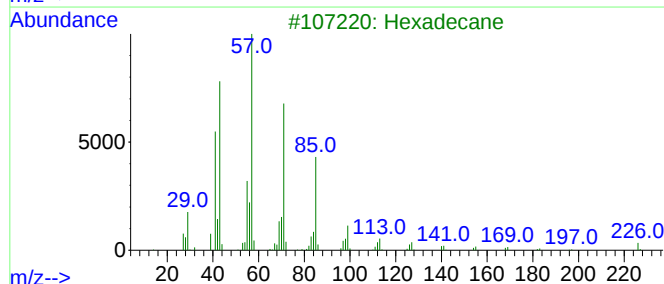
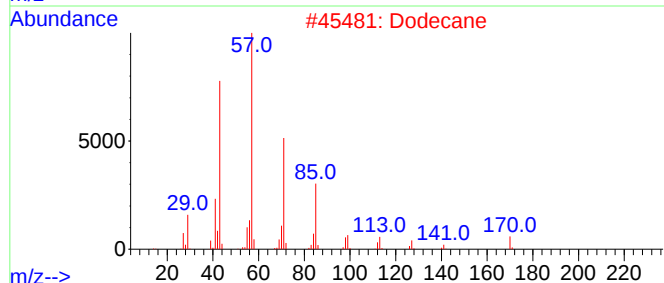
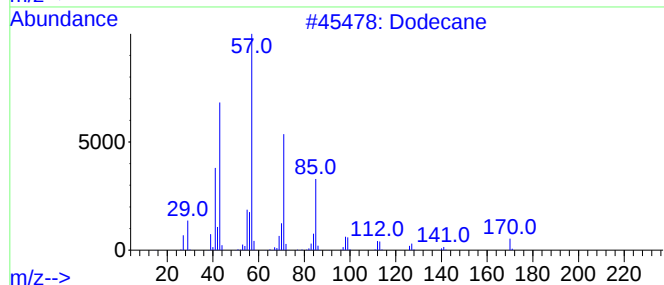
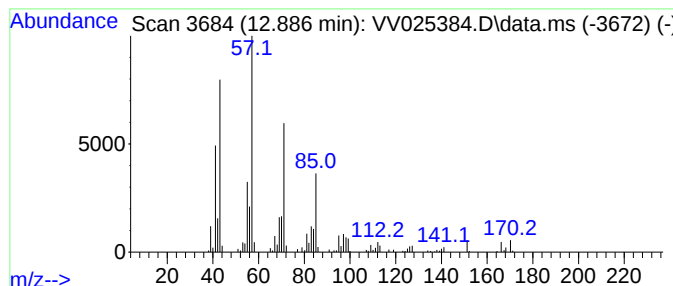
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.886 | 2.45 ug/L | 233411 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Dodecane                            | 170 | C12H26   | 000112-40-3  | 93   |
| 2    |    |   | Dodecane                            | 170 | C12H26   | 000112-40-3  | 87   |
| 3    |    |   | Hexadecane                          | 226 | C16H34   | 000544-76-3  | 80   |
| 4    |    |   | Carbonic acid, prop-1-en-2-yl tr... | 284 | C17H32O3 | 1000382-90-8 | 80   |
| 5    |    |   | Tetradecane                         | 198 | C14H30   | 000629-59-4  | 80   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
Quant Title : TRACE VOA SFAM1.0

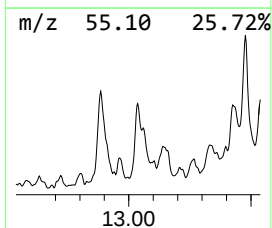
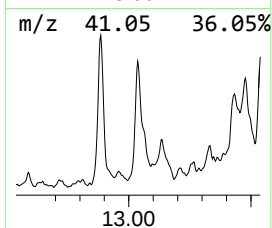
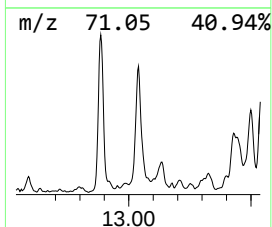
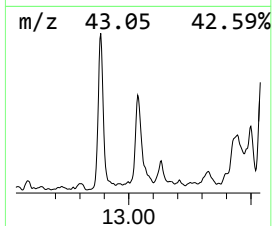
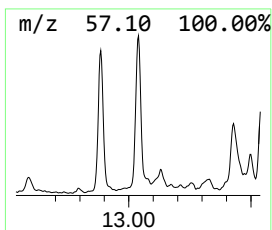
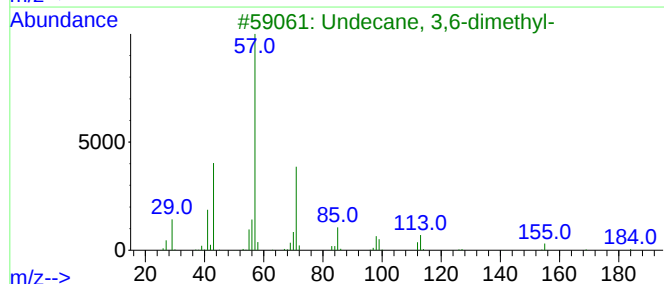
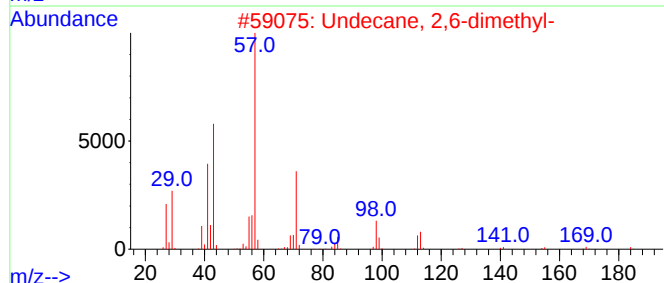
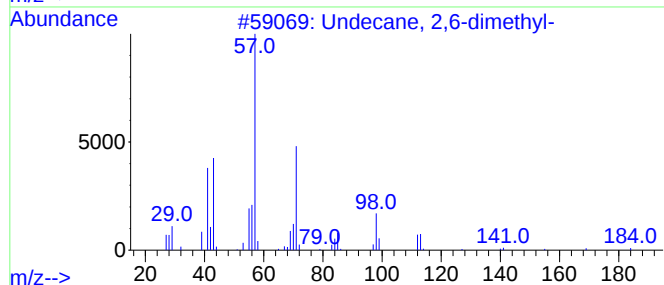
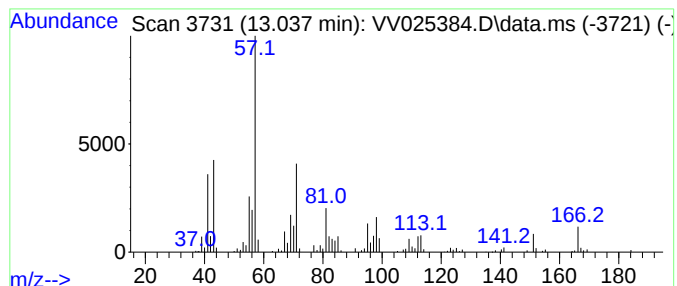
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.037 | 2.53 ug/L | 240606 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl- | 184 | C13H28  | 017301-23-4 | 76   |
| 2    |    |   | Undecane, 2,6-dimethyl- | 184 | C13H28  | 017301-23-4 | 76   |
| 3    |    |   | Undecane, 3,6-dimethyl- | 184 | C13H28  | 017301-28-9 | 68   |
| 4    |    |   | Undecane, 2,6-dimethyl- | 184 | C13H28  | 017301-23-4 | 58   |
| 5    |    |   | Octane, 2,6-dimethyl-   | 142 | C10H22  | 002051-30-1 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

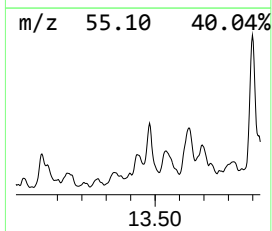
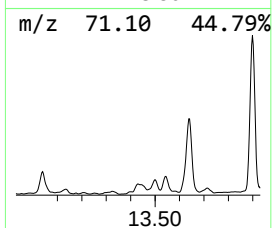
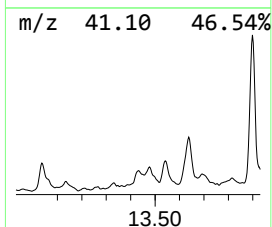
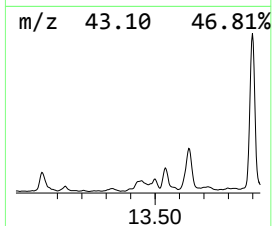
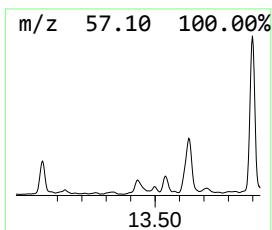
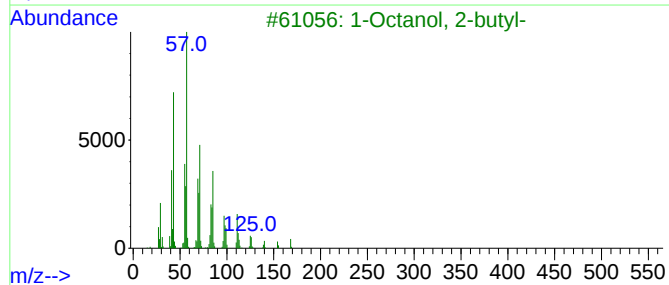
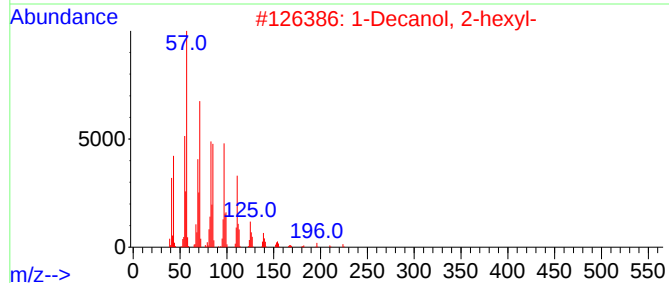
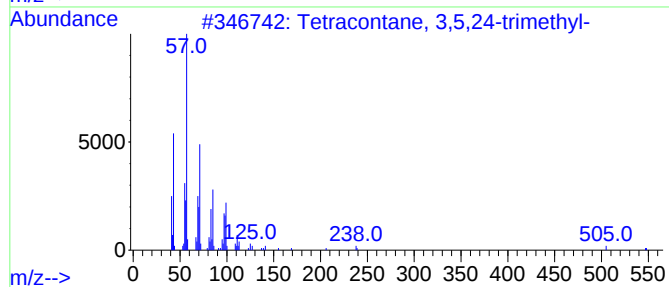
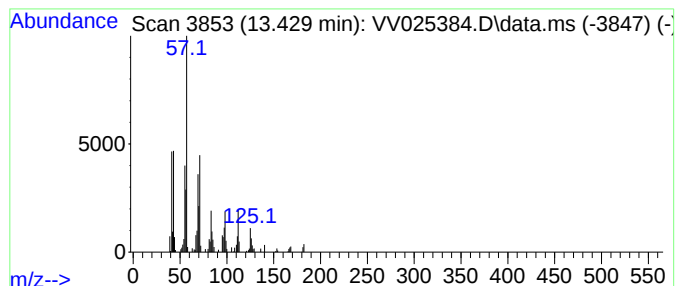
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 29

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.429 | 0.85 ug/L | 81441 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Tetracontane, 3,5,24-trimethyl-     | 605 | C43H88     | 055162-61-3  | 72   |
| 2    |    |   | 1-Decanol, 2-hexyl-                 | 242 | C16H34O    | 002425-77-6  | 64   |
| 3    |    |   | 1-Octanol, 2-butyl-                 | 186 | C12H26O    | 003913-02-8  | 59   |
| 4    |    |   | Diethylmalonic acid, monochlorid... | 290 | C15H27ClO3 | 1000369-51-0 | 53   |
| 5    |    |   | 1-Octanol, 2-methyl-                | 144 | C9H20O     | 000818-81-5  | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

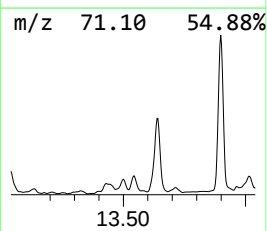
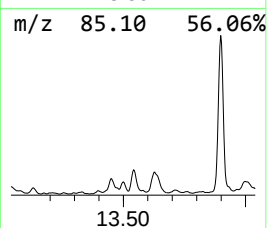
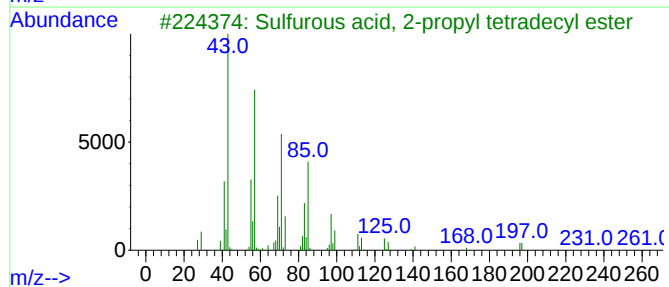
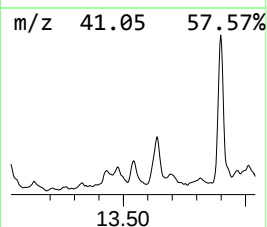
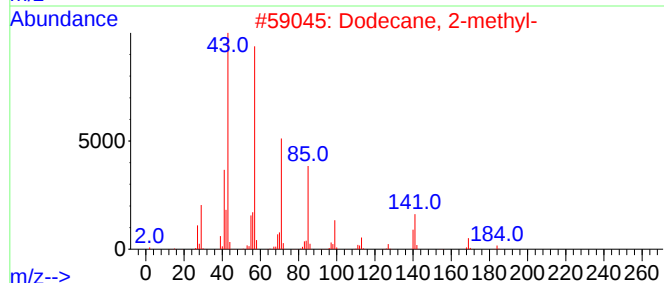
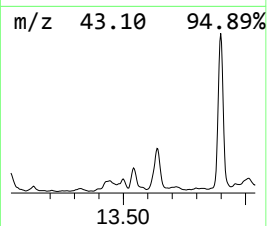
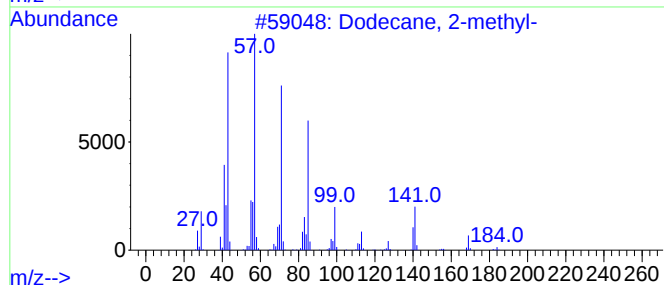
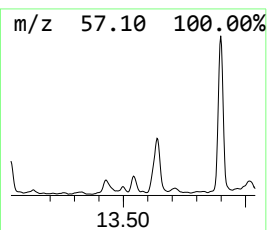
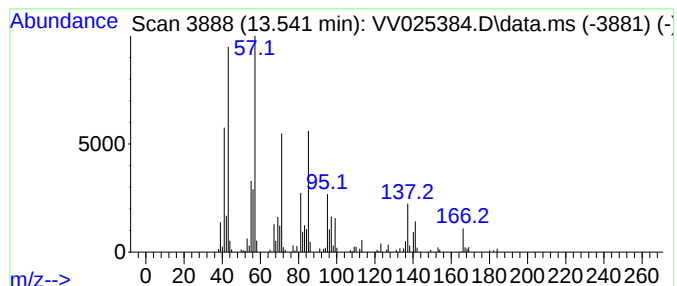
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 20

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.541 | 1.77 ug/L | 168355 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Dodecane, 2-methyl-                  | 184 | C13H28    | 001560-97-0  | 78   |
| 2    |    |   | Dodecane, 2-methyl-                  | 184 | C13H28    | 001560-97-0  | 50   |
| 3    |    |   | Sulfurous acid, 2-propyl tetradec... | 320 | C17H36O3S | 1010309-12-5 | 46   |
| 4    |    |   | Sulfurous acid, pentadecyl 2-pro...  | 334 | C18H38O3S | 1000309-12-6 | 43   |
| 5    |    |   | Borane, diethyl(decyloxy)-           | 226 | C14H31BO  | 1000152-34-3 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

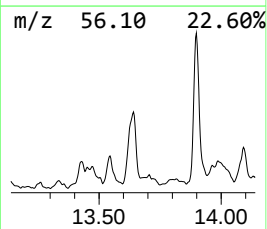
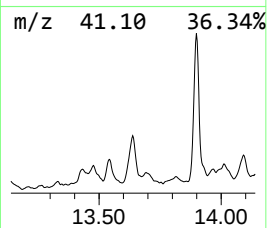
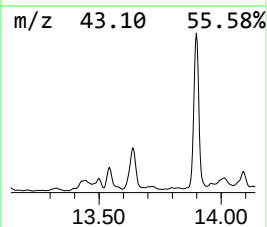
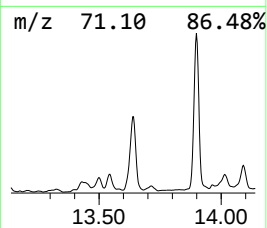
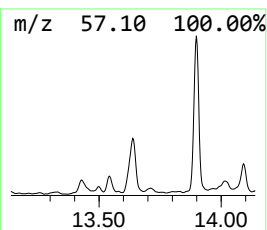
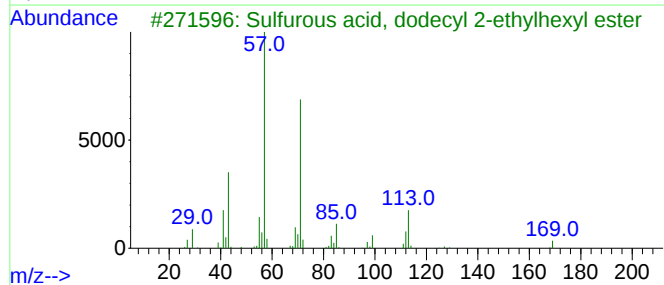
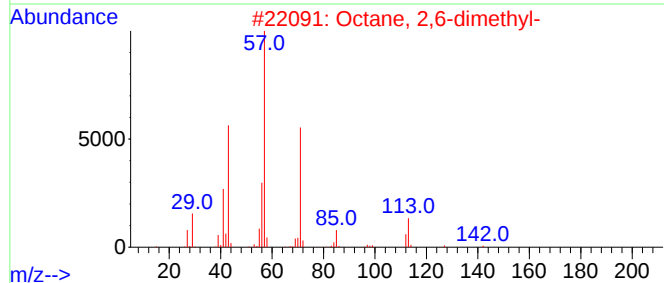
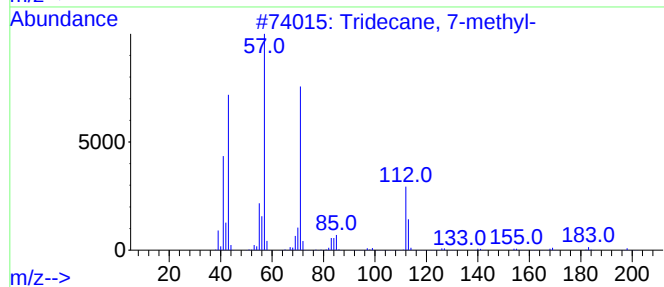
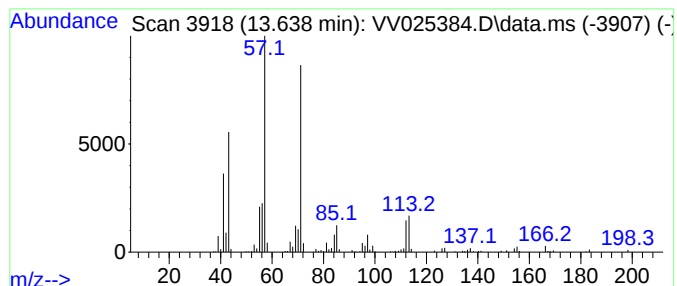
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.638 | 3.65 ug/L | 347438 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Tridecane, 7-methyl-                | 198 | C14H30    | 026730-14-3  | 87   |
| 2    |    |   | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 86   |
| 3    |    |   | Sulfurous acid, dodecyl 2-ethylh... | 362 | C20H42O3S | 1000309-19-5 | 80   |
| 4    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 72   |
| 5    |    |   | Heptane, 3-[(ethenyl)oxy)methyl]-   | 156 | C10H20O   | 000103-44-6  | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

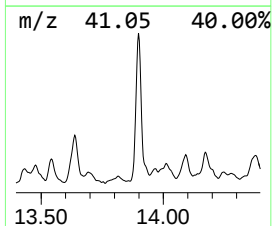
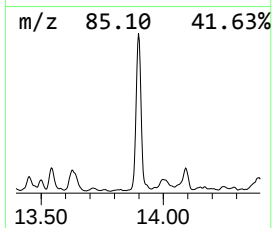
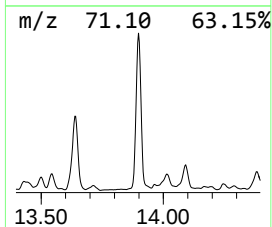
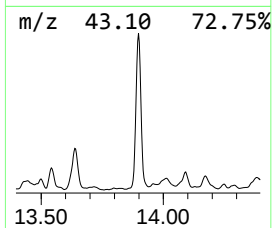
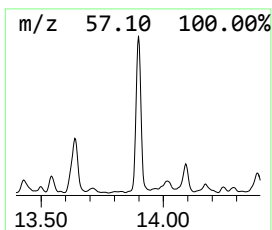
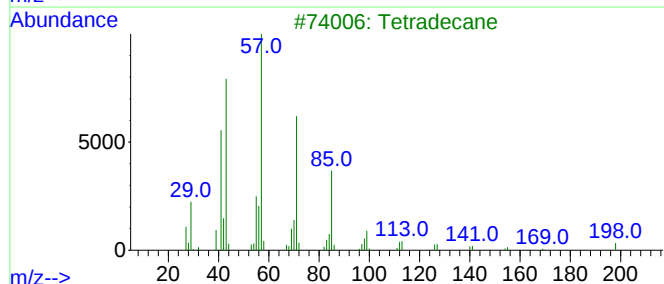
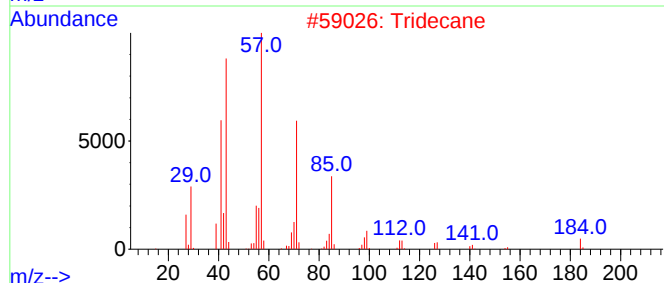
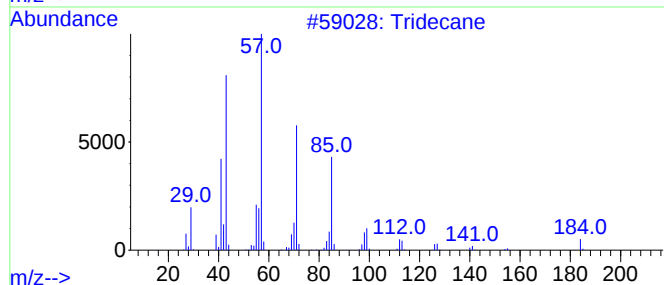
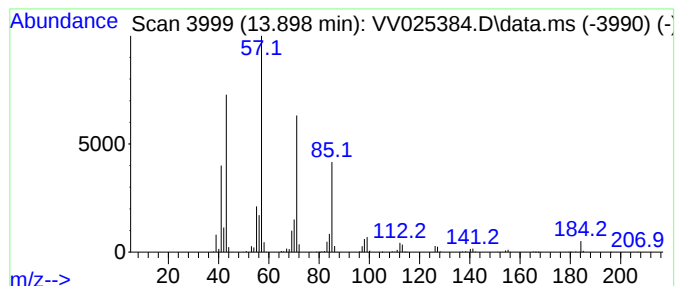
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.898 | 7.91 ug/L | 753747 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Tridecane                           | 184 | C13H28   | 000629-50-5  | 96   |
| 2    |    |   | Tridecane                           | 184 | C13H28   | 000629-50-5  | 94   |
| 3    |    |   | Tetradecane                         | 198 | C14H30   | 000629-59-4  | 91   |
| 4    |    |   | Tridecane                           | 184 | C13H28   | 000629-50-5  | 90   |
| 5    |    |   | Carbonic acid, tetradecyl vinyl ... | 284 | C17H32O3 | 1000382-54-5 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
Quant Title : TRACE VOA SFAM1.0

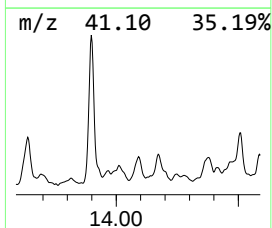
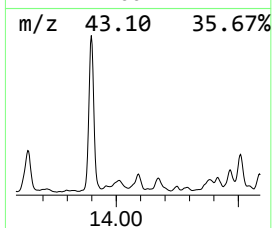
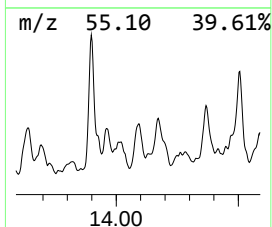
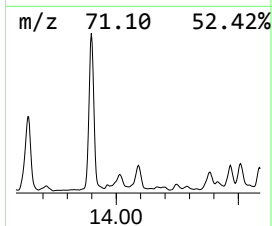
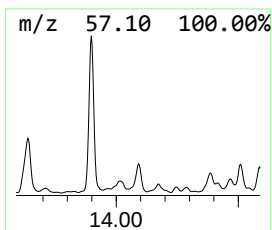
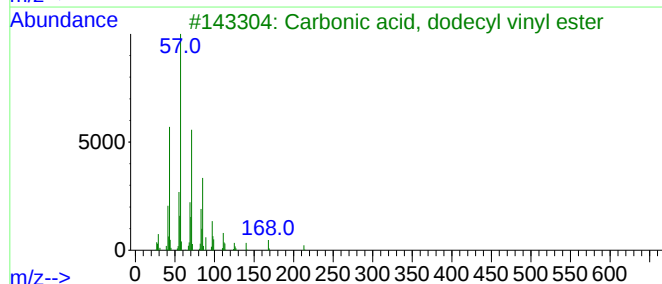
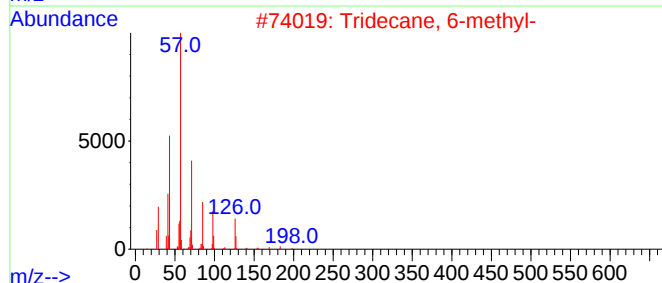
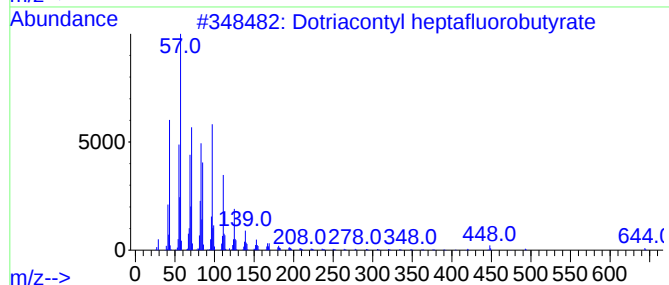
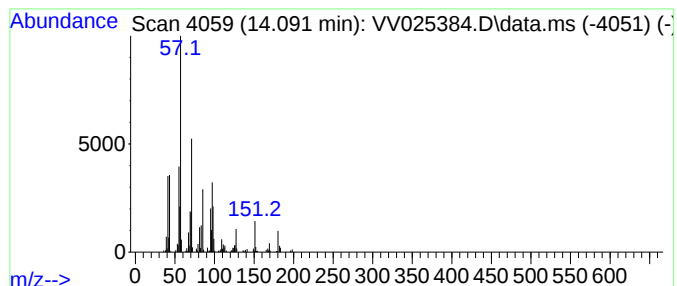
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 21 unknown-01 Concentration Rank 21

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.091 | 1.62 ug/L | 154091 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm    | CAS#         | Qual |
|------|----|---|------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Dotriacontyl heptafluorobutyrate   | 662 | C36H65F7O2 | 1000351-84-2 | 47   |
| 2    |    |   | Tridecane, 6-methyl-               | 198 | C14H30     | 013287-21-3  | 43   |
| 3    |    |   | Carbonic acid, dodecyl vinyl ester | 256 | C15H28O3   | 1000382-54-8 | 38   |
| 4    |    |   | Octadecane, 6-methyl-              | 268 | C19H40     | 010544-96-4  | 38   |
| 5    |    |   | Decane, 6-ethyl-2-methyl-          | 184 | C13H28     | 062108-21-8  | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

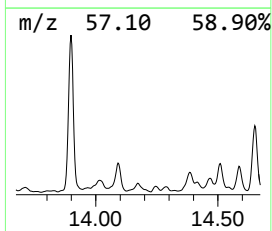
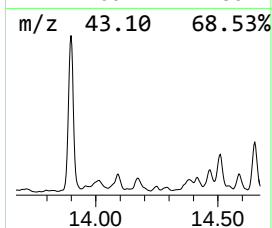
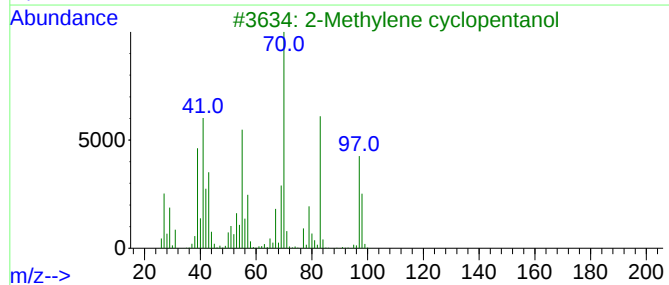
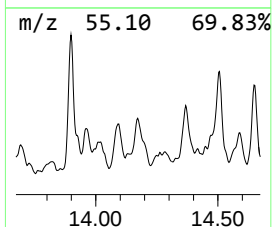
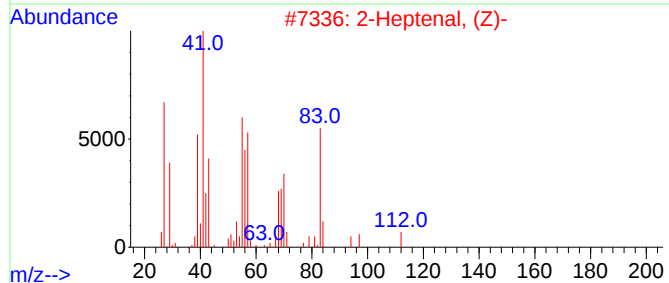
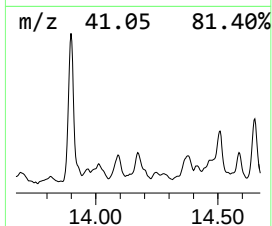
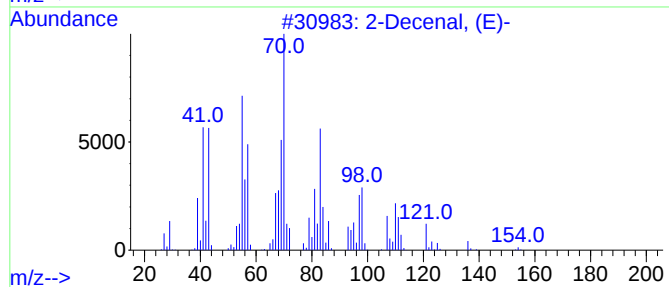
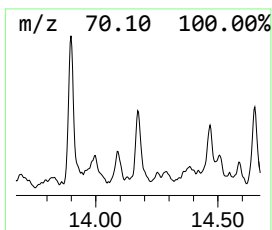
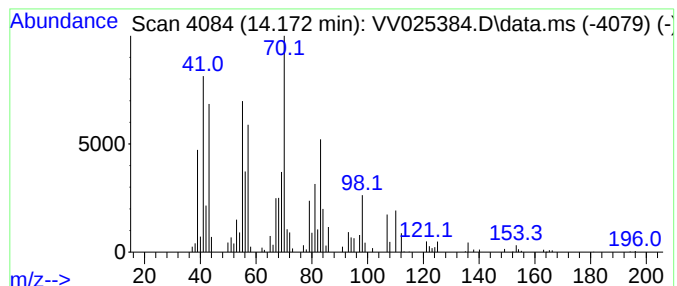
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 22 2-Decenal, (E)- Concentration Rank 18

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.172 | 1.92 ug/L | 182580 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 2-Decenal, (E)-                     | 154 | C10H18O     | 003913-81-3  | 93   |
| 2    |    |   | 2-Heptenal, (Z)-                    | 112 | C7H12O      | 057266-86-1  | 70   |
| 3    |    |   | 2-Methylene cyclopentanol           | 98  | C6H10O      | 020461-31-8  | 53   |
| 4    |    |   | Pentadecafluorooctanoic acid, 2-... | 526 | C16H17F15O2 | 1000406-80-9 | 43   |
| 5    |    |   | 3-Methylpenta-1,3-diene-5-ol, (E)-  | 98  | C6H10O      | 001572-08-3  | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

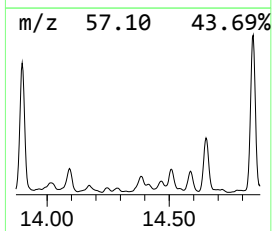
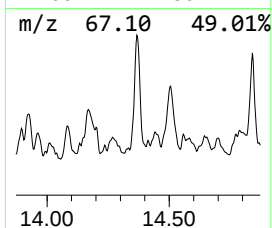
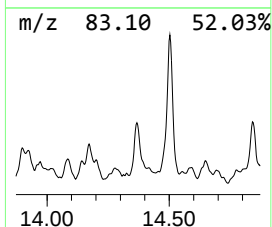
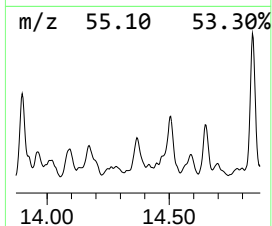
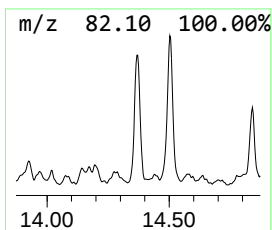
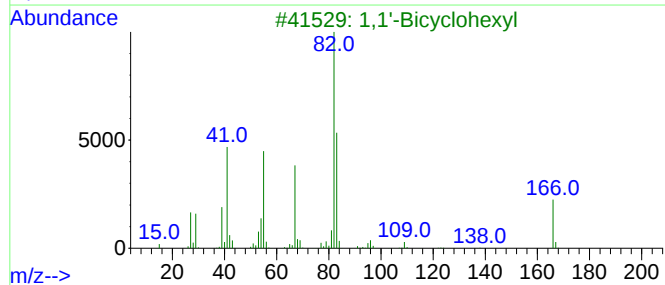
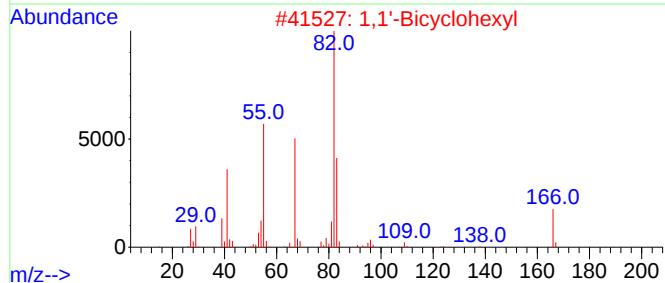
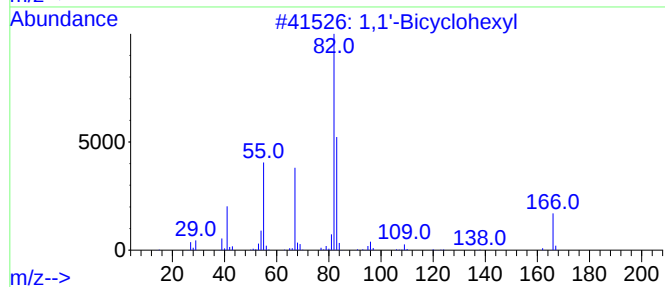
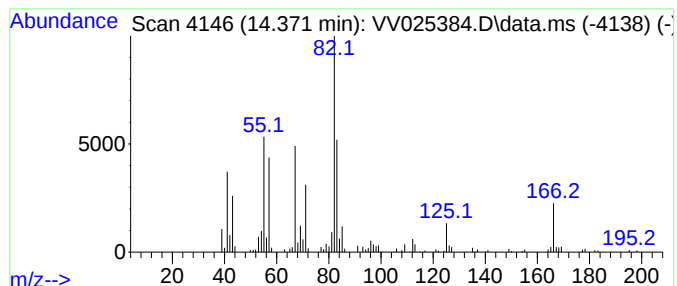
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 23 1,1'-Bicyclohexyl Concentration Rank 19

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.371 | 1.84 ug/L | 175655 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 1,1'-Bicyclohexyl                   | 166 | C12H22       | 000092-51-3  | 93      |      |      |
| 2    | 1,1'-Bicyclohexyl                   | 166 | C12H22       | 000092-51-3  | 62      |      |      |
| 3    | 1,1'-Bicyclohexyl                   | 166 | C12H22       | 000092-51-3  | 62      |      |      |
| 4    | Succinic acid, decyl trans-hex-3... | 340 | C20H36O4     | 1000353-43-3 | 59      |      |      |
| 5    | 1,1'-Bicyclohexyl                   | 166 | C12H22       | 000092-51-3  | 53      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
Quant Title : TRACE VOA SFAM1.0

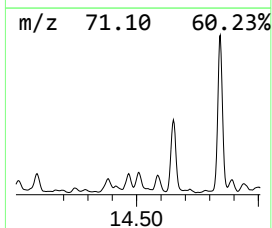
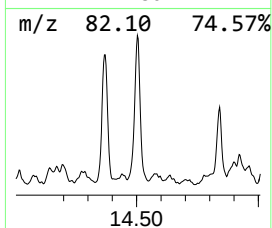
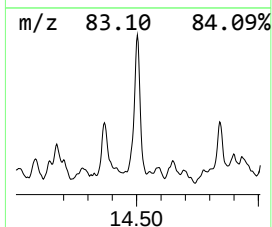
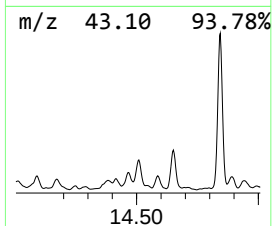
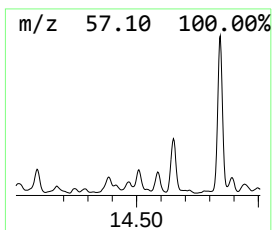
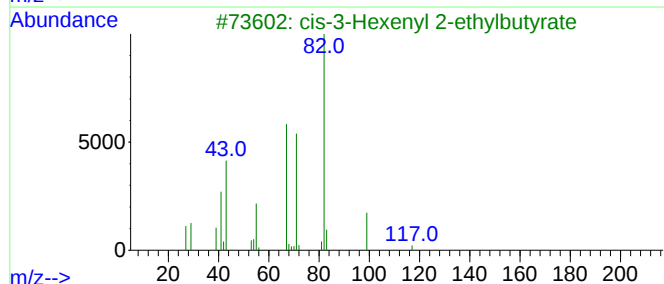
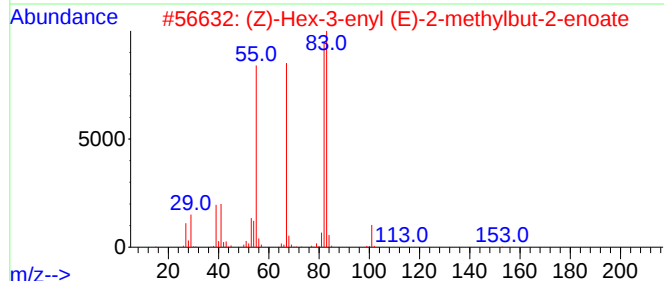
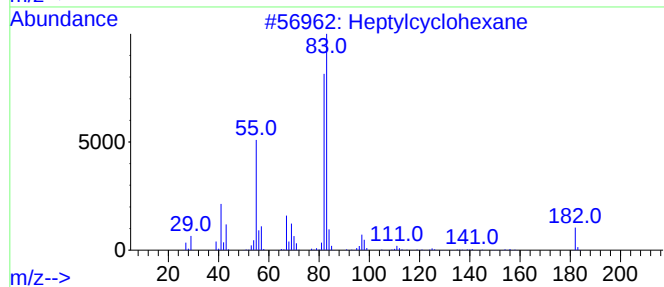
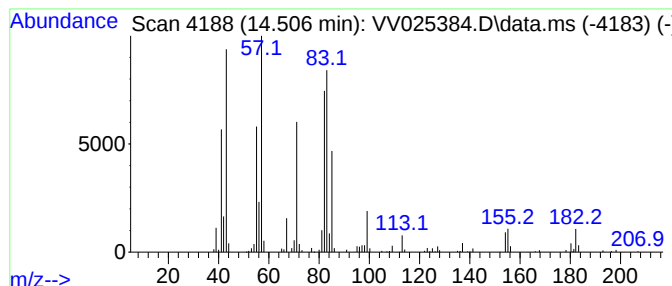
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TIC Integration Parameters: LSCINT.P

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Peak Number 24 (DEL) Alkane: Cyclic14.506 Concentration Rank 15

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.506 | 2.39 ug/L | 227853 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Heptylcyclohexane                   | 182 | C13H26   | 005617-41-4  | 46   |
| 2    |    |   | (Z)-Hex-3-enyl (E)-2-methylbut-2... | 182 | C11H18O2 | 067883-79-8  | 38   |
| 3    |    |   | cis-3-Hexenyl 2-ethylbutyrate       | 198 | C12H22O2 | 1000433-24-6 | 35   |
| 4    |    |   | Cyclohexane, pentyl-                | 154 | C11H22   | 004292-92-6  | 30   |
| 5    |    |   | Octadecane, 1-iodo-                 | 380 | C18H37I  | 000629-93-6  | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
Quant Title : TRACE VOA SFAM1.0

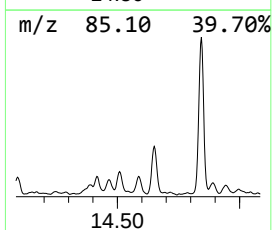
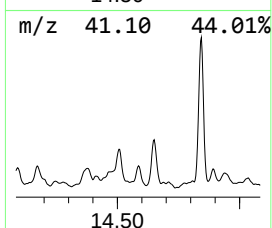
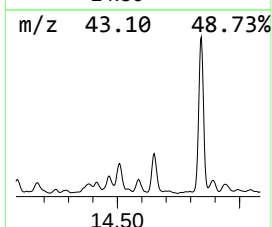
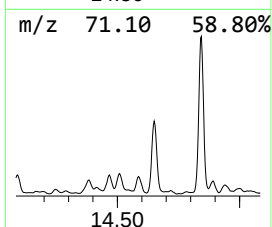
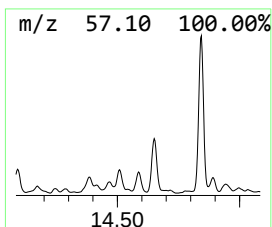
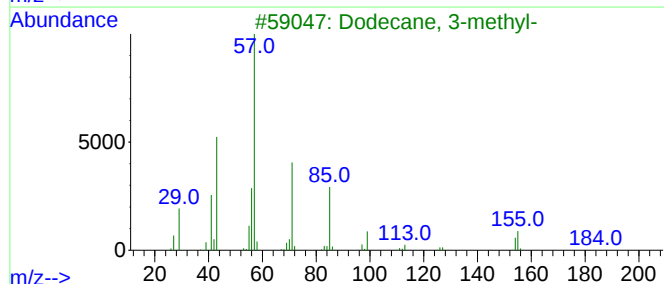
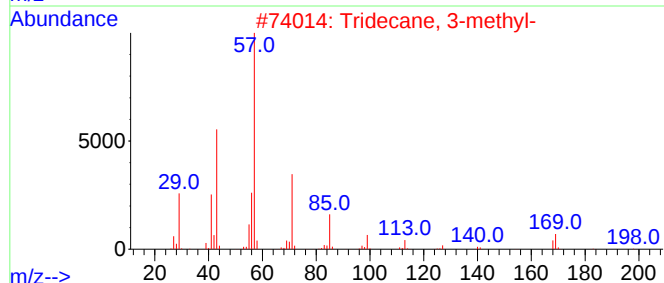
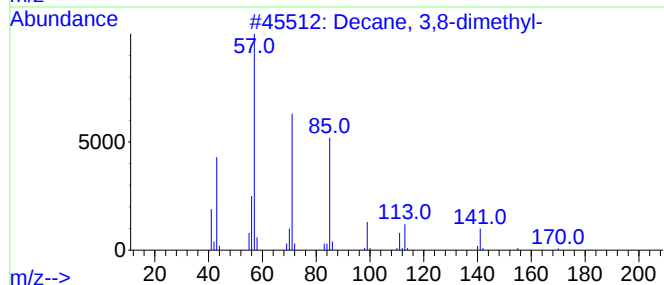
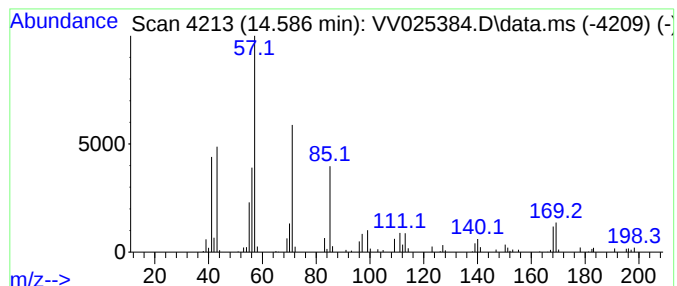
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 25

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.586 | 1.26 ug/L | 120287 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------|-----|----------|-------------|------|
| 1    |    |   | Decane, 3,8-dimethyl-       | 170 | C12H26   | 017312-55-9 | 70   |
| 2    |    |   | Tridecane, 3-methyl-        | 198 | C14H30   | 006418-41-3 | 53   |
| 3    |    |   | Dodecane, 3-methyl-         | 184 | C13H28   | 017312-57-1 | 53   |
| 4    |    |   | 2-Bromo dodecane            | 248 | C12H25Br | 013187-99-0 | 53   |
| 5    |    |   | Undecane, 5-ethyl-5-propyl- | 226 | C16H34   | 002755-07-9 | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

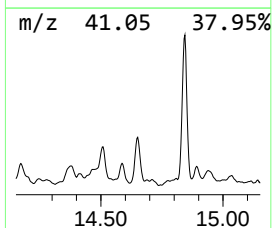
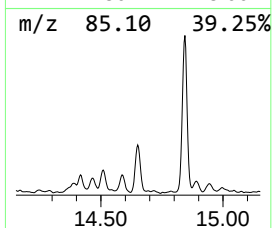
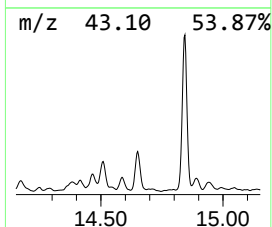
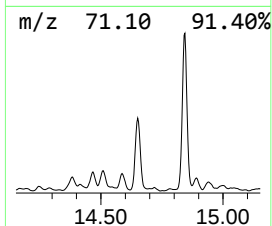
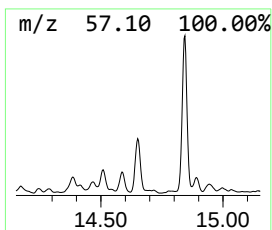
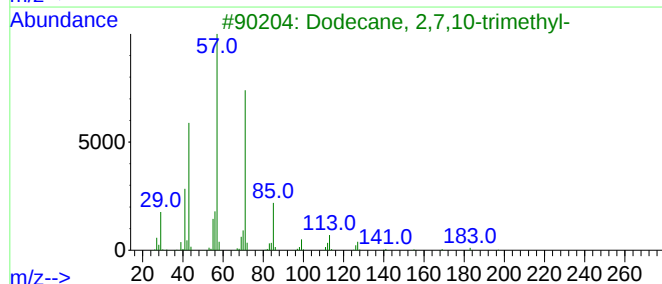
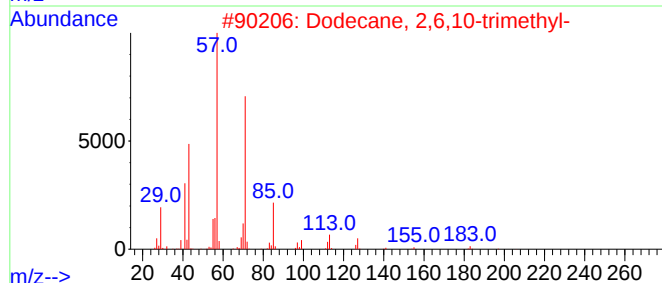
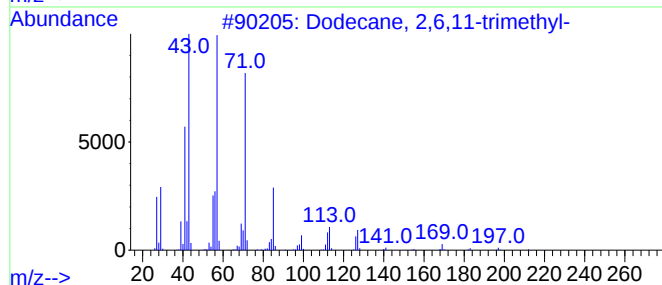
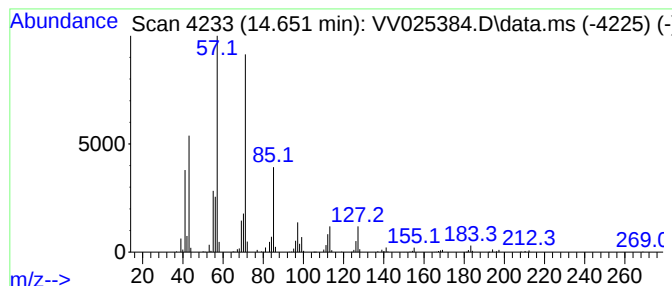
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.651 | 3.43 ug/L | 326370 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 86   |
| 2    |    |   | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 80   |
| 3    |    |   | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 72   |
| 4    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 72   |
| 5    |    |   | Undecane, 3,5-dimethyl-     | 184 | C13H28  | 017312-81-1 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
Quant Title : TRACE VOA SFAM1.0

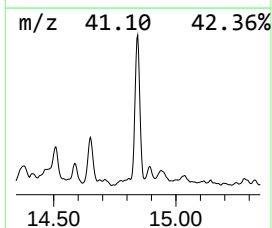
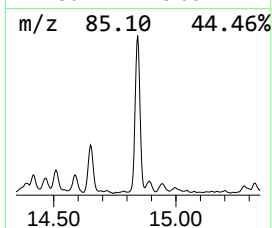
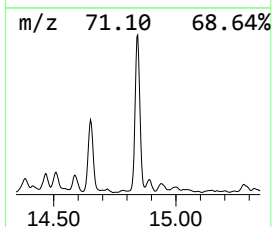
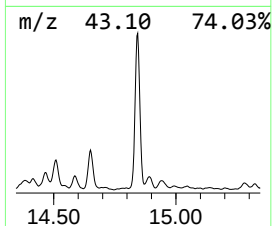
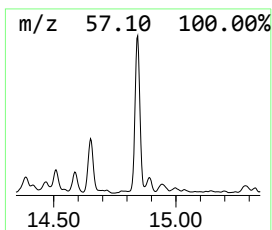
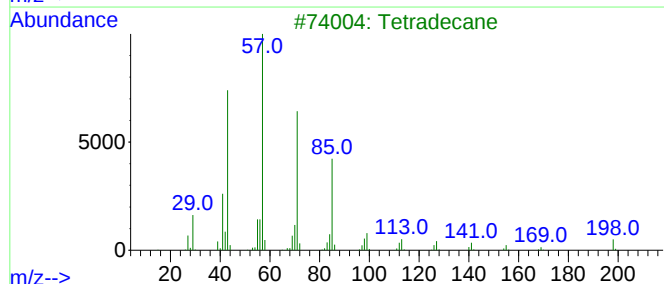
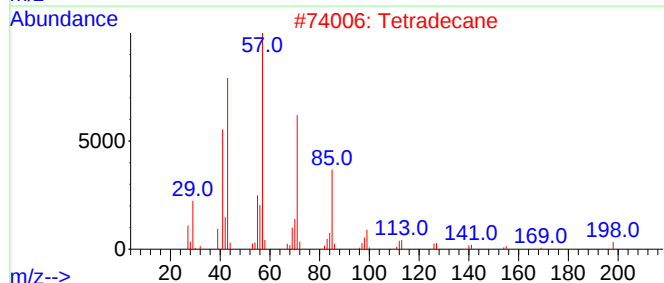
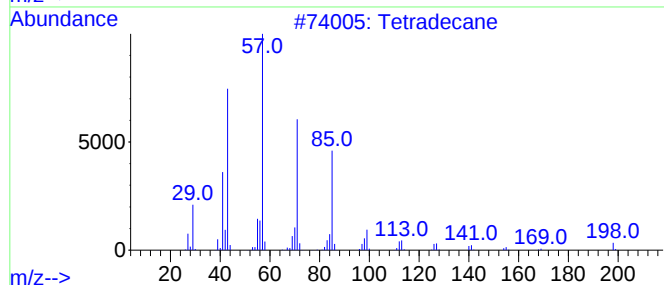
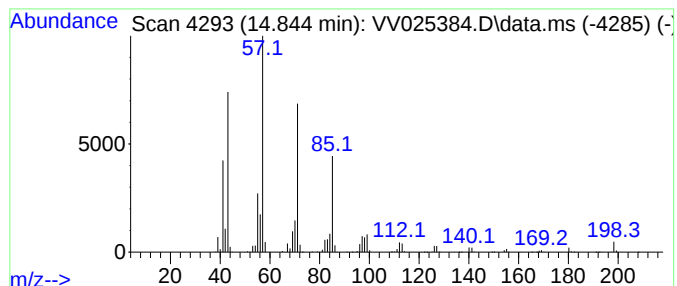
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TIC Integration Parameters: LSCINT.P

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Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.844 | 8.92 ug/L | 849537 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Tetradecane  | 198 | C14H30  | 000629-59-4 | 96   |
| 2    |    |   | Tetradecane  | 198 | C14H30  | 000629-59-4 | 95   |
| 3    |    |   | Tetradecane  | 198 | C14H30  | 000629-59-4 | 91   |
| 4    |    |   | Hexadecane   | 226 | C16H34  | 000544-76-3 | 86   |
| 5    |    |   | Tridecane    | 184 | C13H28  | 000629-50-5 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

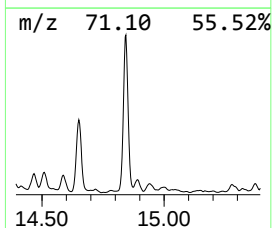
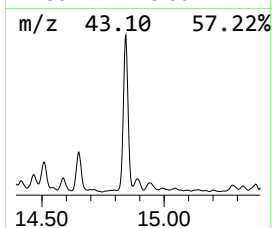
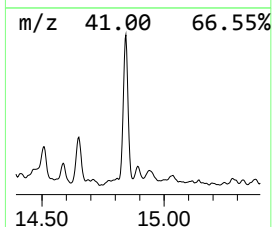
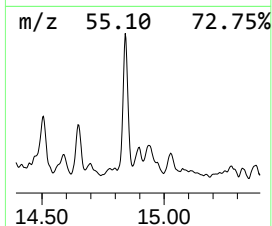
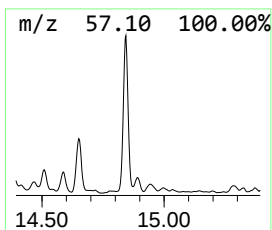
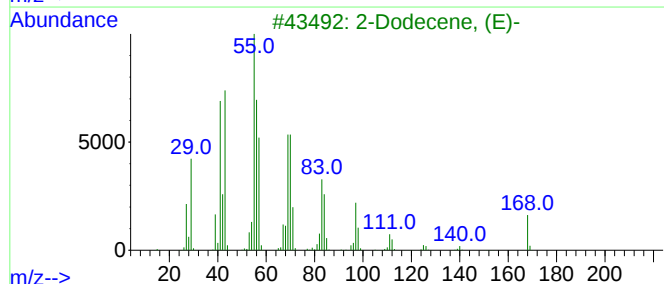
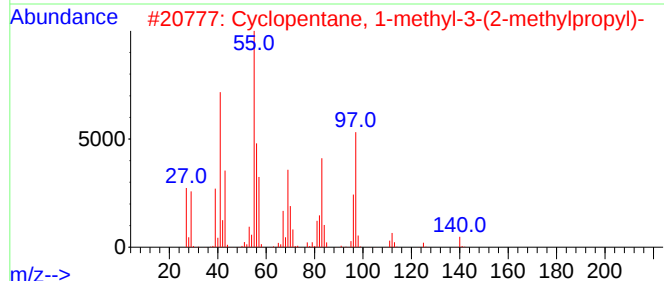
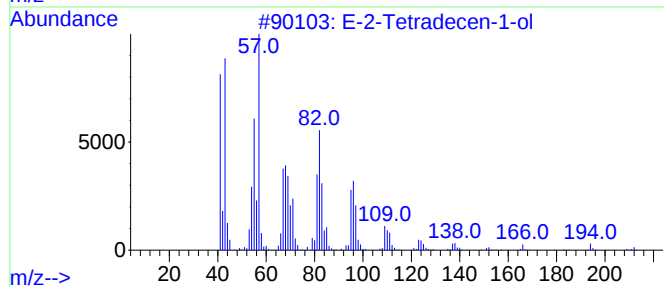
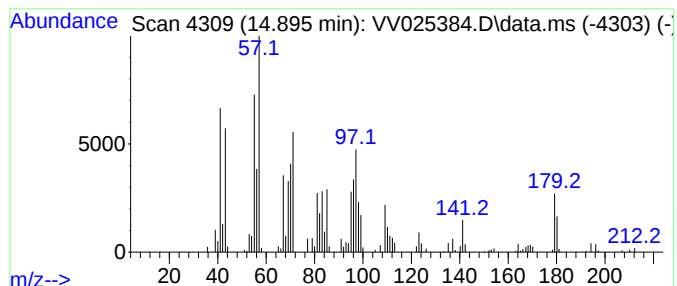
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 28 unknown-02 Concentration Rank 30

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.895 | 0.82 ug/L | 78400 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm | CAS#         | Qual |
|------|-------------------------------------|---|--------------|-----|---------|--------------|------|
| 1    | E-2-Tetradecen-1-ol                 |   |              | 212 | C14H28O | 1000130-83-7 | 42   |
| 2    | Cyclopentane, 1-methyl-3-(2-meth... |   |              | 140 | C10H20  | 029053-04-1  | 38   |
| 3    | 2-Dodecene, (E)-                    |   |              | 168 | C12H24  | 007206-13-5  | 30   |
| 4    | Cyclohexane, 1,2-dimethyl-, cis-    |   |              | 112 | C8H16   | 002207-01-4  | 25   |
| 5    | Cyclohexane, 1,2-dimethyl-, cis-    |   |              | 112 | C8H16   | 002207-01-4  | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
Quant Title : TRACE VOA SFAM1.0

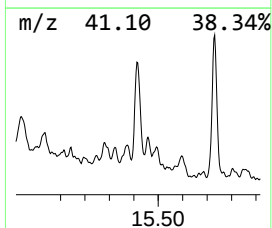
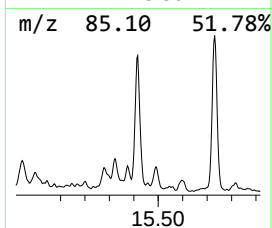
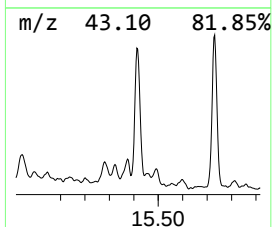
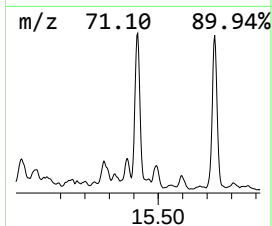
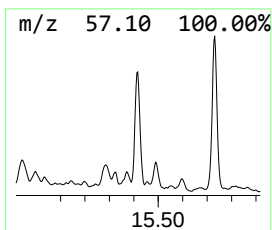
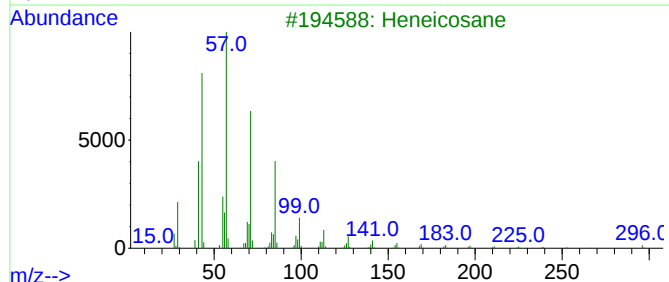
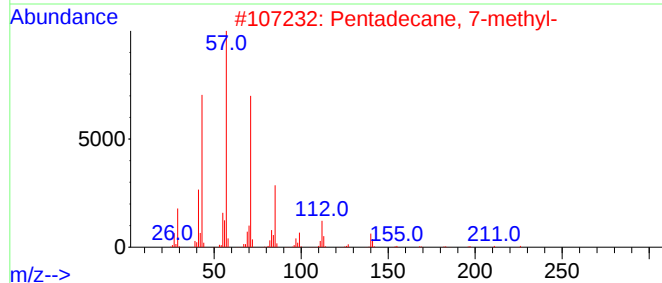
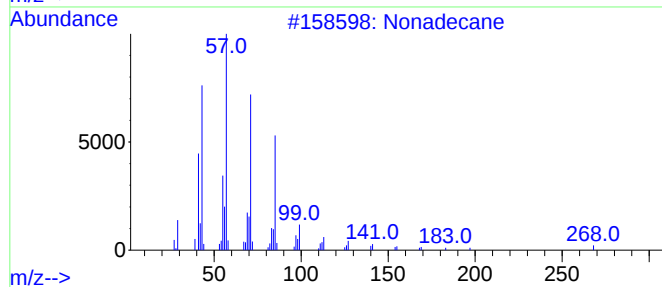
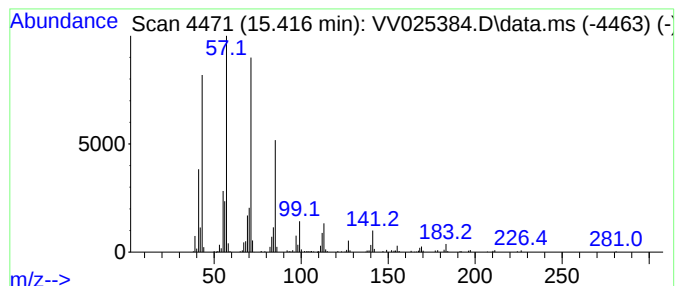
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.416 | 2.60 ug/L | 247623 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Nonadecane                          | 268 | C19H40  | 000629-92-5 | 87   |
| 2    |      | Pentadecane, 7-methyl-              | 226 | C16H34  | 006165-40-8 | 87   |
| 3    |      | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 86   |
| 4    |      | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 86   |
| 5    |      | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
Data File : VV025384.D  
Acq On : 07 Apr 2022 14:28  
Operator : SY/MD  
Sample : N2261-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFY45

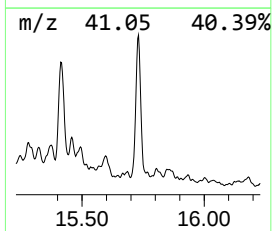
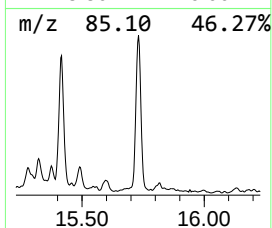
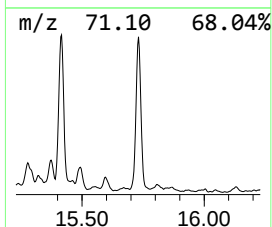
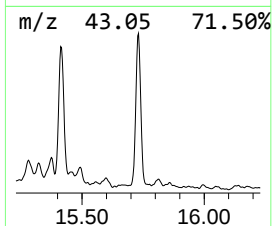
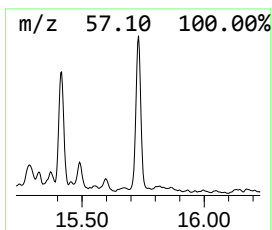
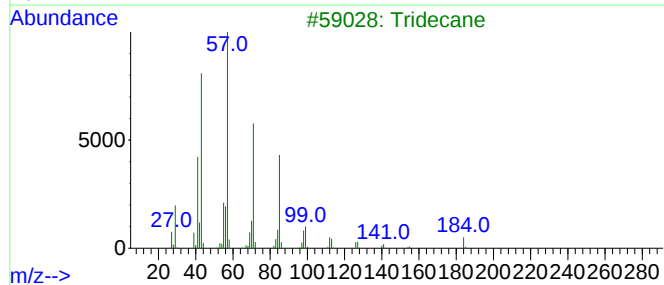
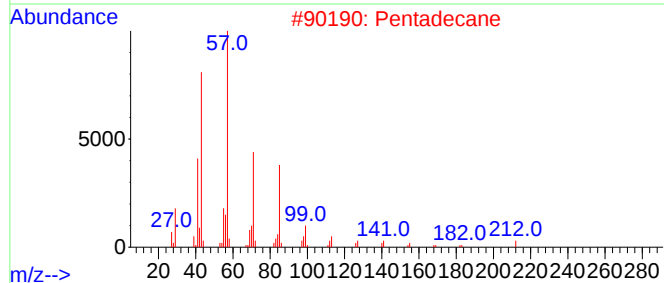
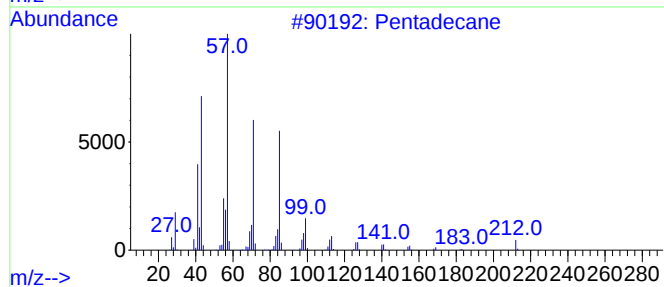
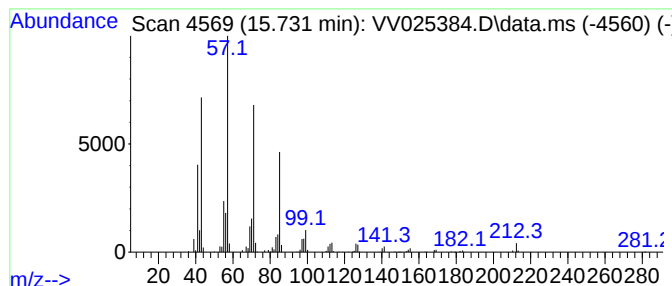
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.731 | 2.83 ug/L | 269547 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------|--------------|-----|---------|-------------|------|
| 1    |      | Pentadecane  | 212 | C15H32  | 000629-62-9 | 97   |
| 2    |      | Pentadecane  | 212 | C15H32  | 000629-62-9 | 95   |
| 3    |      | Tridecane    | 184 | C13H28  | 000629-50-5 | 90   |
| 4    |      | Heptadecane  | 240 | C17H36  | 000629-78-7 | 90   |
| 5    |      | Tetradecane  | 198 | C14H30  | 000629-59-4 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040722\  
 Data File : VV025384.D  
 Acq On : 07 Apr 2022 14:28  
 Operator : SY/MD  
 Sample : N2261-09  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFY45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
 Quant Title : TRACE VOA SFAM1.0

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| (DEL) Alkane: S... | 1.111  | 19.4    | ug/L  | 1431020  | 1                     | 5.619  | 368064 | 5.0  |
| (DEL) Alkane: S... | 1.217  | 1.1     | ug/L  | 80418    | 1                     | 5.619  | 368064 | 5.0  |
| (DEL) Alkane: S... | 1.417  | 2.2     | ug/L  | 163551   | 1                     | 5.619  | 368064 | 5.0  |
| (DEL) Alkane: S... | 1.635  | 1.0     | ug/L  | 76072    | 1                     | 5.619  | 368064 | 5.0  |
| (DEL) Alkane: C... | 1.767  | 2.7     | ug/L  | 198734   | 1                     | 5.619  | 368064 | 5.0  |
| (DEL) Alkane: S... | 1.812  | 3.0     | ug/L  | 217598   | 1                     | 5.619  | 368064 | 5.0  |
| (DEL) Alkane: C... | 1.979  | 1.4     | ug/L  | 99906    | 1                     | 5.619  | 368064 | 5.0  |
| Butanal, 3-methyl- | 6.291  | 1.0     | ug/L  | 75459    | 1                     | 5.619  | 368064 | 5.0  |
| Hexanal            | 8.236  | 7.5     | ug/L  | 674609   | 2                     | 8.854  | 447198 | 5.0  |
| Heptanal           | 9.805  | 2.1     | ug/L  | 186638   | 2                     | 8.854  | 447198 | 5.0  |
| Furan, 2-pentyl-   | 10.715 | 1.4     | ug/L  | 132517   | 3                     | 11.249 | 476286 | 5.0  |
| Octanal            | 11.146 | 4.0     | ug/L  | 382223   | 3                     | 11.249 | 476286 | 5.0  |
| Nonanal            | 12.342 | 10.1    | ug/L  | 961825   | 3                     | 11.249 | 476286 | 5.0  |
| (DEL) Alkane: S... | 12.886 | 2.5     | ug/L  | 233411   | 3                     | 11.249 | 476286 | 5.0  |
| (DEL) Alkane: S... | 13.037 | 2.5     | ug/L  | 240606   | 3                     | 11.249 | 476286 | 5.0  |
| (DEL) Alkane: S... | 13.429 | 0.8     | ug/L  | 81441    | 3                     | 11.249 | 476286 | 5.0  |
| (DEL) Alkane: S... | 13.541 | 1.8     | ug/L  | 168355   | 3                     | 11.249 | 476286 | 5.0  |
| (DEL) Alkane: S... | 13.638 | 3.6     | ug/L  | 347438   | 3                     | 11.249 | 476286 | 5.0  |
| (DEL) Alkane: S... | 13.898 | 7.9     | ug/L  | 753747   | 3                     | 11.249 | 476286 | 5.0  |
| unknown-01         | 14.091 | 1.6     | ug/L  | 154091   | 3                     | 11.249 | 476286 | 5.0  |
| 2-Decenal, (E)-    | 14.172 | 1.9     | ug/L  | 182580   | 3                     | 11.249 | 476286 | 5.0  |
| 1,1'-Bicyclohexyl  | 14.371 | 1.8     | ug/L  | 175655   | 3                     | 11.249 | 476286 | 5.0  |
| (DEL) Alkane: C... | 14.506 | 2.4     | ug/L  | 227853   | 3                     | 11.249 | 476286 | 5.0  |
| (DEL) Alkane: S... | 14.586 | 1.3     | ug/L  | 120287   | 3                     | 11.249 | 476286 | 5.0  |
| (DEL) Alkane: S... | 14.651 | 3.4     | ug/L  | 326370   | 3                     | 11.249 | 476286 | 5.0  |
| (DEL) Alkane: S... | 14.844 | 8.9     | ug/L  | 849537   | 3                     | 11.249 | 476286 | 5.0  |
| unknown-02         | 14.895 | 0.8     | ug/L  | 78400    | 3                     | 11.249 | 476286 | 5.0  |
| (DEL) Alkane: S... | 15.416 | 2.6     | ug/L  | 247623   | 3                     | 11.249 | 476286 | 5.0  |
| (DEL) Alkane: S... | 15.731 | 2.8     | ug/L  | 269547   | 3                     | 11.249 | 476286 | 5.0  |