

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
 Data File : VV029251.D  
 Acq On : 21 Nov 2022 02:36  
 Operator : SY/MD  
 Sample : N5725-02  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BHB56

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\SFAMVTR111122WMA.M  
 Title : TRACE VOA SFAM1.0

Signal : TIC: VV029251.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         | 1.301       | 76            | 81          | 100          | rVB      | 226810         | 314155        | 2.29%           | 0.732%        |
| 2         | 1.561       | 157           | 162         | 177          | rVB      | 149746         | 180033        | 1.31%           | 0.420%        |
| 3         | 2.102       | 321           | 330         | 343          | rVB      | 281376         | 399868        | 2.91%           | 0.932%        |
| 4         | 3.892       | 871           | 887         | 927          | rBV2     | 105312         | 448252        | 3.26%           | 1.045%        |
| 5         | 4.336       | 1006          | 1025        | 1059         | rBV2     | 213175         | 614791        | 4.48%           | 1.433%        |
| 6         | 5.037       | 1225          | 1243        | 1271         | rBV2     | 459392         | 1171065       | 8.52%           | 2.730%        |
| 7         | 5.606       | 1405          | 1420        | 1451         | rBV      | 458545         | 930345        | 6.77%           | 2.169%        |
| 8         | 6.060       | 1547          | 1561        | 1584         | rBV      | 267970         | 547990        | 3.99%           | 1.278%        |
| 9         | 6.976       | 1833          | 1846        | 1865         | rBV      | 132292         | 243692        | 1.77%           | 0.568%        |
| 10        | 7.256       | 1908          | 1933        | 1934         | rBV      | 49097          | 139104        | 1.01%           | 0.324%        |
| 11        | 7.307       | 1939          | 1949        | 1962         | rVV      | 590214         | 1057994       | 7.70%           | 2.467%        |
| 12        | 7.381       | 1962          | 1972        | 1993         | rVB      | 235572         | 423536        | 3.08%           | 0.987%        |
| 13        | 7.613       | 2034          | 2044        | 2063         | rVB      | 80053          | 140052        | 1.02%           | 0.327%        |
| 14        | 8.082       | 2178          | 2190        | 2226         | rBV3     | 544518         | 1099274       | 8.00%           | 2.563%        |
| 15        | 8.844       | 2411          | 2427        | 2446         | rBV      | 643425         | 1038036       | 7.56%           | 2.420%        |
| 16        | 10.207      | 2830          | 2851        | 2863         | rBV      | 200583         | 320281        | 2.33%           | 0.747%        |
| 17        | 11.239      | 3161          | 3172        | 3190         | rVB      | 686922         | 1046489       | 7.62%           | 2.440%        |
| 18        | 11.612      | 3278          | 3288        | 3306         | rVB      | 555878         | 856900        | 6.24%           | 1.998%        |
| 19        | 12.841      | 3652          | 3670        | 3697         | rBV      | 411870         | 1031486       | 7.51%           | 2.405%        |
| 20        | 12.950      | 3698          | 3704        | 3722         | rVB3     | 95761          | 181923        | 1.32%           | 0.424%        |
| 21        | 13.088      | 3739          | 3747        | 3774         | rVB2     | 104168         | 233330        | 1.70%           | 0.544%        |
| 22        | 14.805      | 4271          | 4281        | 4296         | rBV      | 440764         | 634686        | 4.62%           | 1.480%        |
| 23        | 15.027      | 4343          | 4350        | 4360         | rVB2     | 104642         | 155837        | 1.13%           | 0.363%        |
| 24        | 15.368      | 4445          | 4456        | 4480         | rBV      | 1368511        | 2291080       | 16.68%          | 5.341%        |
| 25        | 15.763      | 4568          | 4579        | 4588         | rBV      | 3763673        | 5851143       | 42.59%          | 13.641%       |
| 26        | 15.927      | 4623          | 4630        | 4705         | rVB      | 6221768        | 13738029      | 100.00%         | 32.028%       |
| 27        | 16.284      | 4733          | 4741        | 4756         | rVB      | 433494         | 654251        | 4.76%           | 1.525%        |
| 28        | 16.365      | 4759          | 4766        | 4780         | rVB      | 423329         | 649872        | 4.73%           | 1.515%        |
| 29        | 16.545      | 4812          | 4822        | 4835         | rBV2     | 602476         | 1125840       | 8.20%           | 2.625%        |
| 30        | 16.863      | 4913          | 4921        | 4941         | rBV      | 409862         | 629997        | 4.59%           | 1.469%        |
| 31        | 17.043      | 4969          | 4977        | 4980         | rBV      | 486106         | 643134        | 4.68%           | 1.499%        |
| 32        | 17.072      | 4981          | 4986        | 5007         | rVV      | 1038342        | 1836522       | 13.37%          | 4.282%        |
| 33        | 17.168      | 5008          | 5016        | 5029         | rVB      | 627074         | 959322        | 6.98%           | 2.237%        |
| 34        | 17.371      | 5070          | 5079        | 5090         | rBV      | 378840         | 606372        | 4.41%           | 1.414%        |
| 35        | 17.458      | 5099          | 5106        | 5120         | rVB      | 419169         | 699035        | 5.09%           | 1.630%        |

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Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

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\SFAMVTR111122WMA.M  
Title : TRACE VOA SFAM1.0

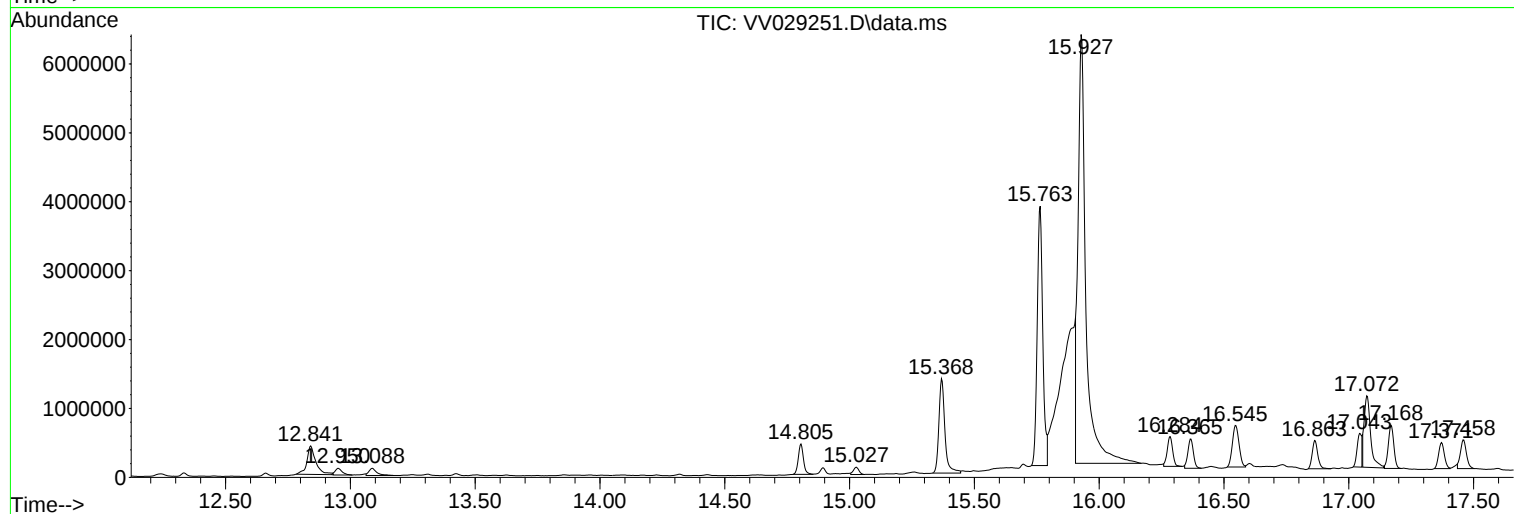
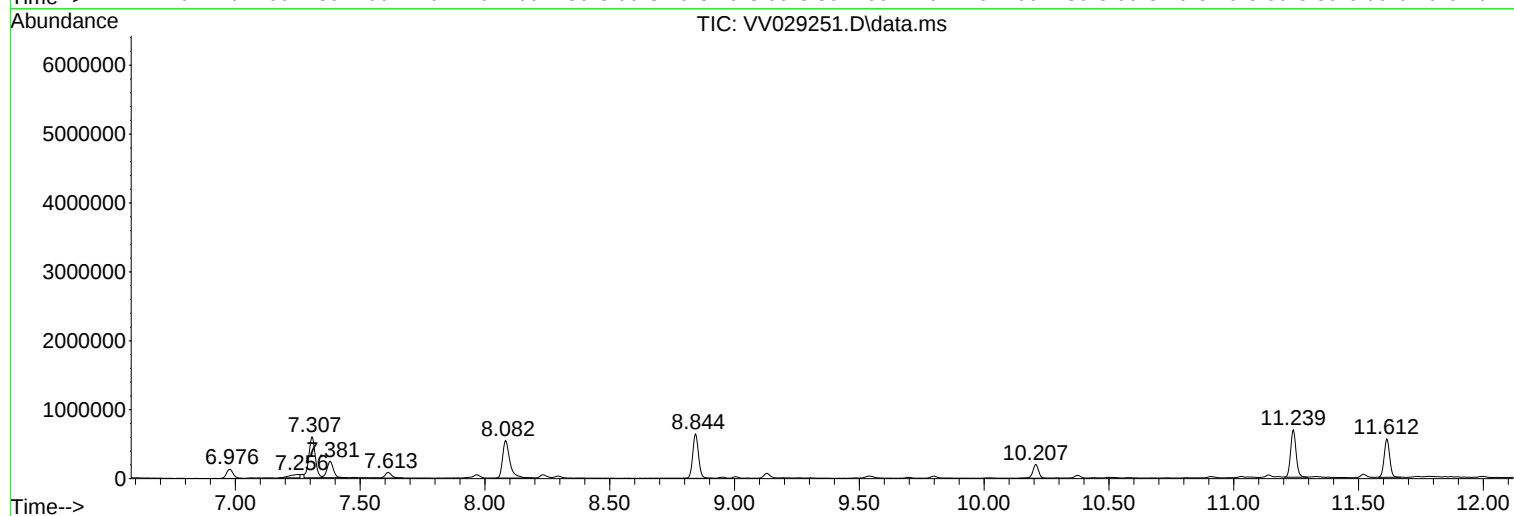
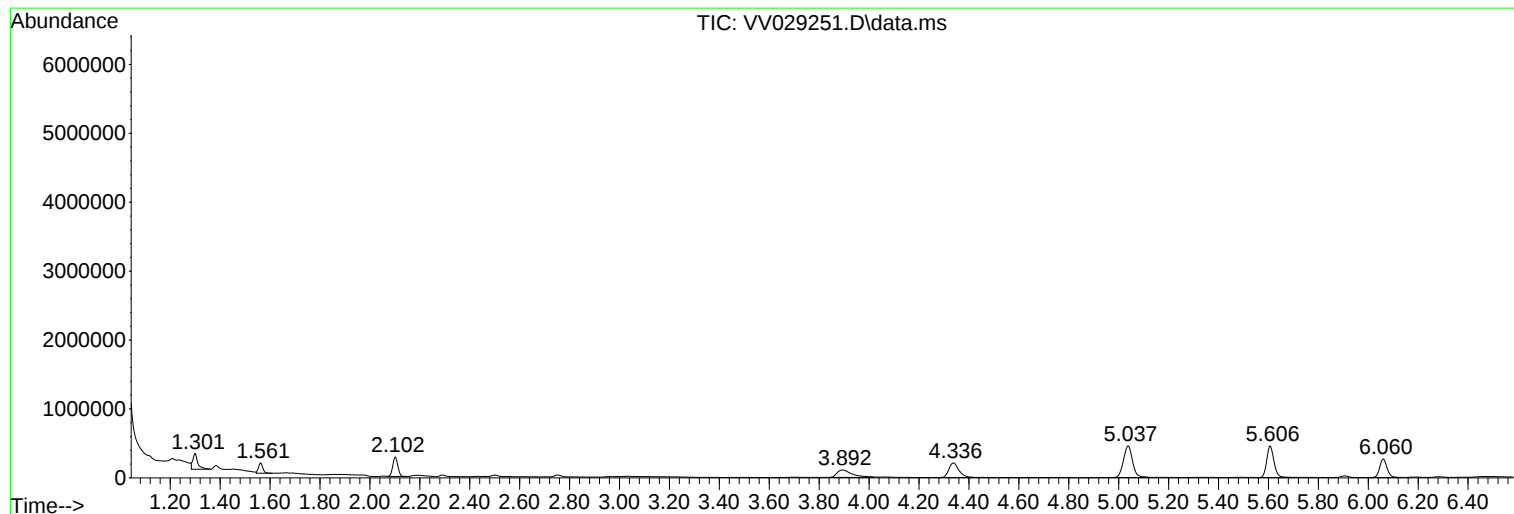
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

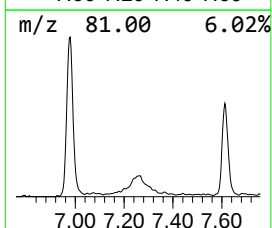
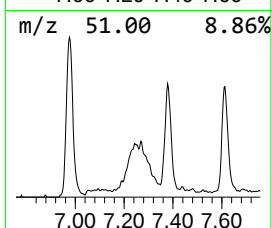
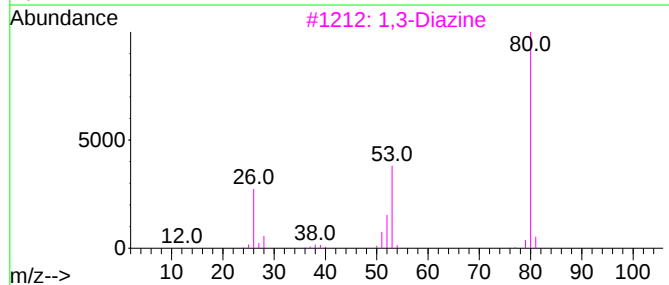
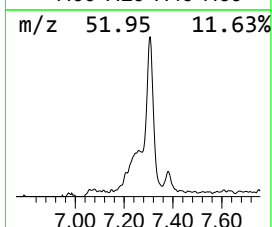
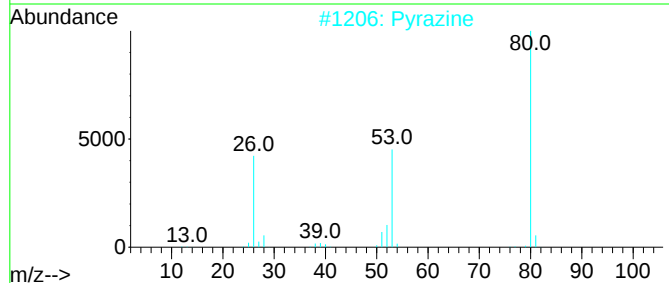
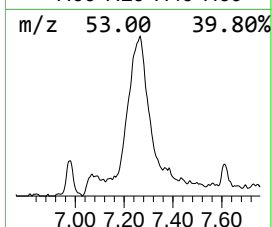
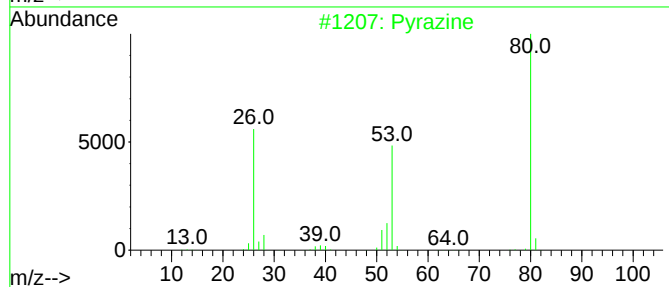
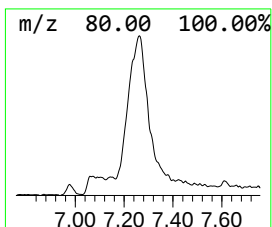
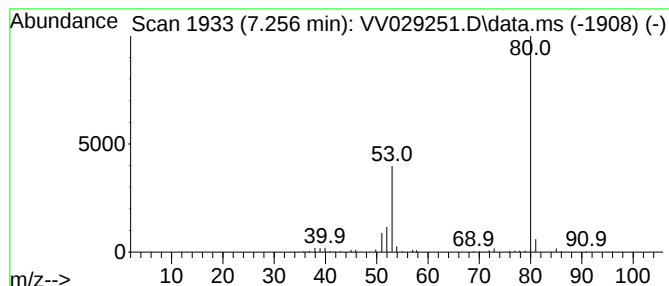
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 2 Pyrazine Concentration Rank 19

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 7.256 | 0.67 ug/L | 139104 | Chlorobenzene-d5 | 8.844 |

| Hit# | of | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------|----|---------|-------------|------|
| 1    |    |   | Pyrazine     | 80 | C4H4N2  | 000290-37-9 | 91   |
| 2    |    |   | Pyrazine     | 80 | C4H4N2  | 000290-37-9 | 91   |
| 3    |    |   | 1,3-Diazine  | 80 | C4H4N2  | 000289-95-2 | 90   |
| 4    |    |   | Pyrazine     | 80 | C4H4N2  | 000290-37-9 | 90   |
| 5    |    |   | 1,3-Diazine  | 80 | C4H4N2  | 000289-95-2 | 90   |



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ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

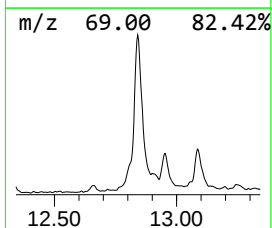
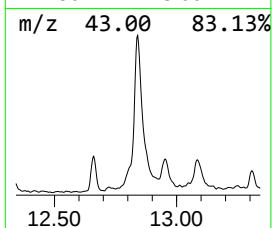
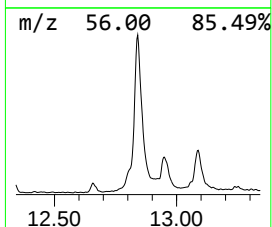
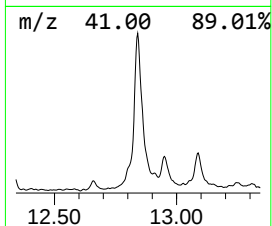
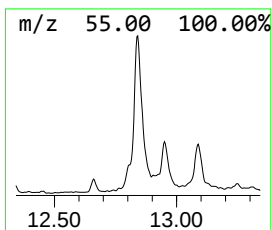
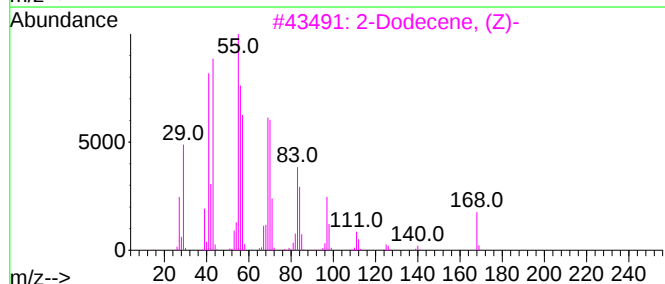
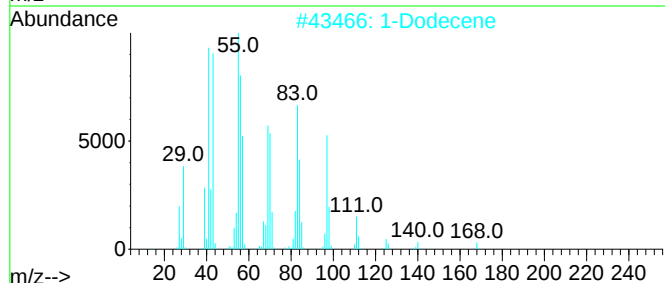
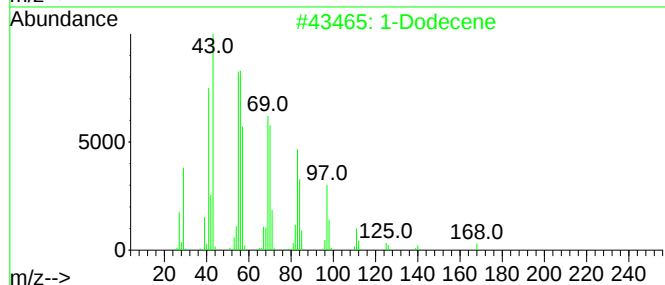
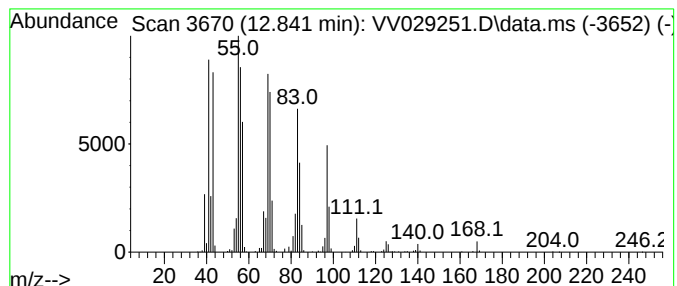
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 12.841 | 4.93 ug/L | 1031490 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of | 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Dodecene       | 168 | C12H24  | 000112-41-4 | 97   |
| 2    |    |   | 1-Dodecene       | 168 | C12H24  | 000112-41-4 | 96   |
| 3    |    |   | 2-Dodecene, (Z)- | 168 | C12H24  | 007206-26-0 | 94   |
| 4    |    |   | 2-Dodecene, (E)- | 168 | C12H24  | 007206-13-5 | 91   |
| 5    |    |   | 1-Decene         | 140 | C10H20  | 000872-05-9 | 91   |



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Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
Quant Title : TRACE VOA SFAM1.0

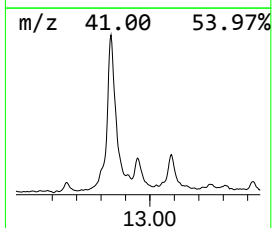
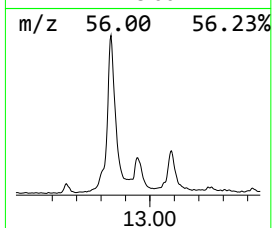
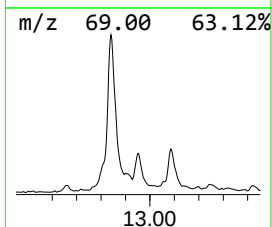
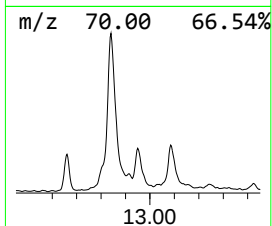
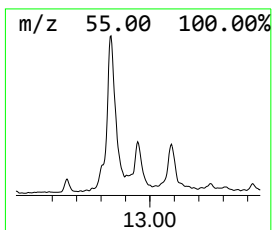
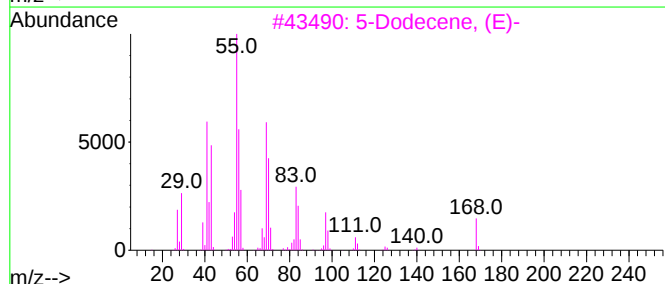
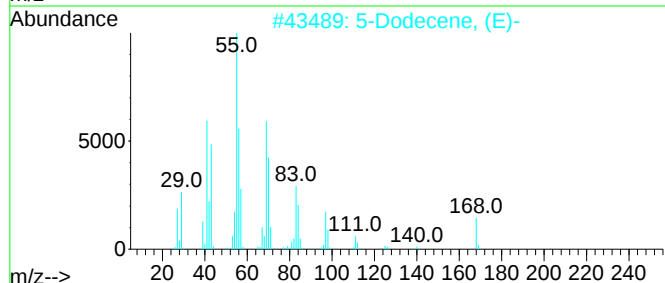
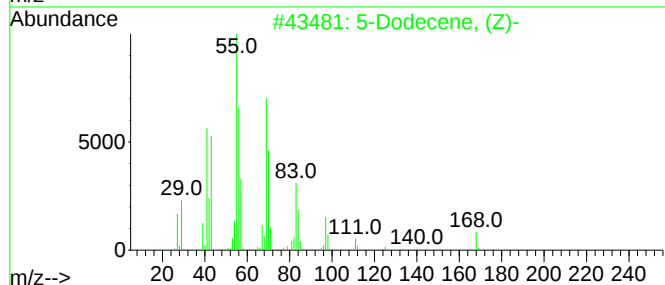
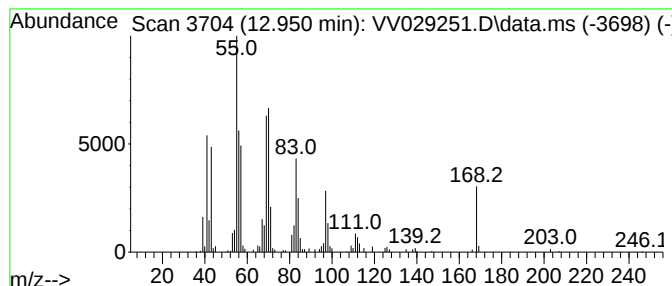
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 17

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.950 | 0.87 ug/L | 181923 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|------|------------------|-----|---------|-------------|------|
| 1    |      | 5-Dodecene, (Z)- | 168 | C12H24  | 007206-28-2 | 93   |
| 2    |      | 5-Dodecene, (E)- | 168 | C12H24  | 007206-16-8 | 93   |
| 3    |      | 5-Dodecene, (E)- | 168 | C12H24  | 007206-16-8 | 93   |
| 4    |      | 4-Dodecene       | 168 | C12H24  | 002030-84-4 | 93   |
| 5    |      | 4-Dodecene, (Z)- | 168 | C12H24  | 007206-27-1 | 90   |



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ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
Quant Title : TRACE VOA SFAM1.0

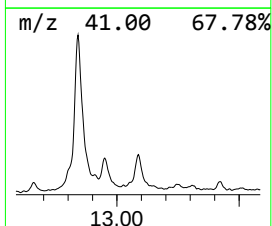
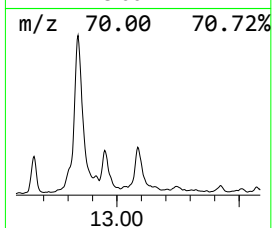
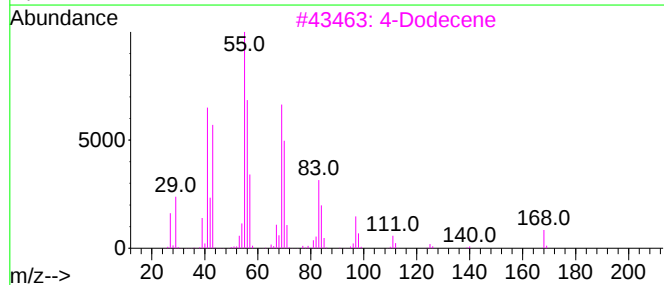
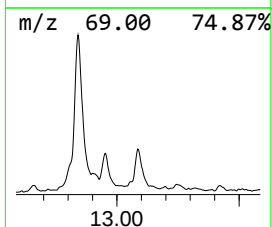
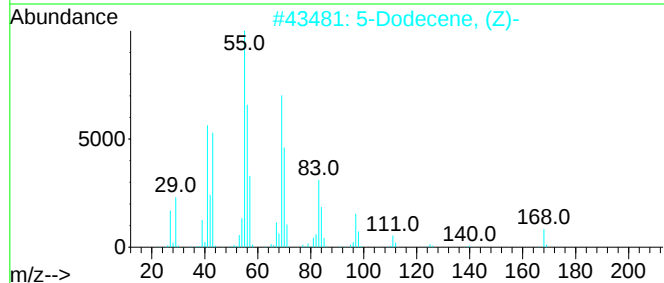
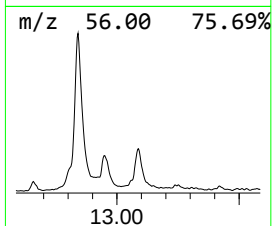
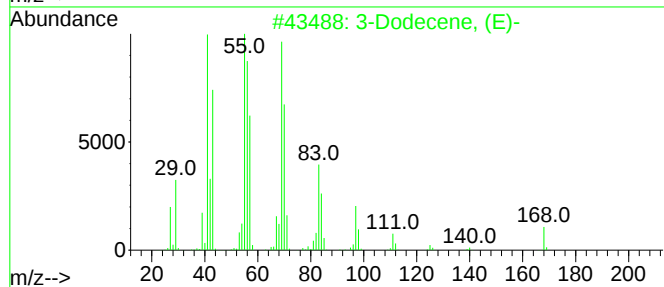
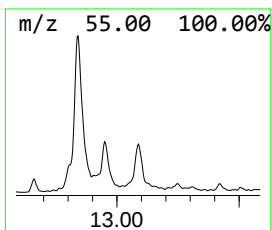
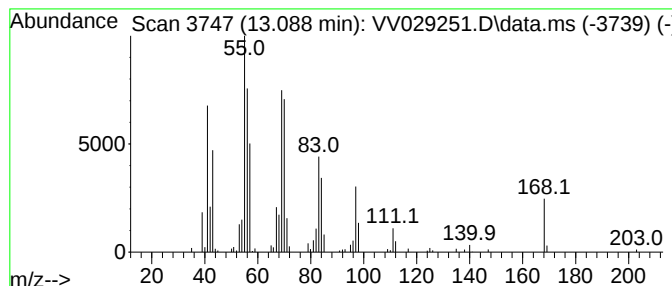
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 16

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.088 | 1.11 ug/L | 233330 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of | 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Dodecene, (E)- | 168 | C12H24  | 007206-14-6 | 97   |
| 2    |    |   | 5-Dodecene, (Z)- | 168 | C12H24  | 007206-28-2 | 97   |
| 3    |    |   | 4-Dodecene       | 168 | C12H24  | 002030-84-4 | 97   |
| 4    |    |   | 5-Dodecene, (E)- | 168 | C12H24  | 007206-16-8 | 97   |
| 5    |    |   | 5-Dodecene, (E)- | 168 | C12H24  | 007206-16-8 | 97   |



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ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

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Quant Title : TRACE VOA SFAM1.0

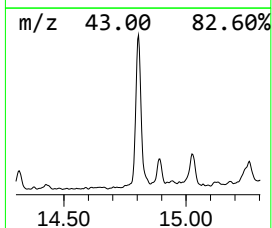
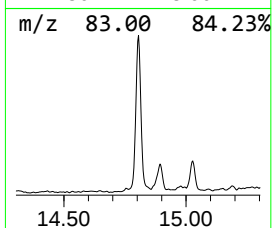
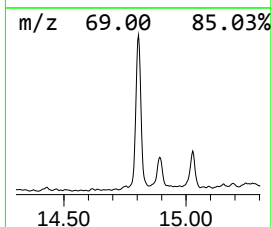
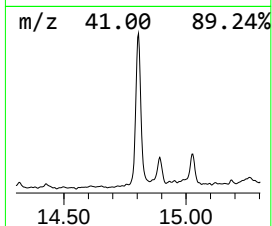
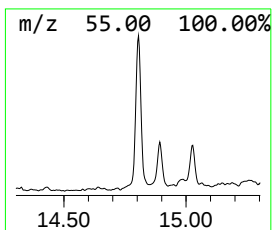
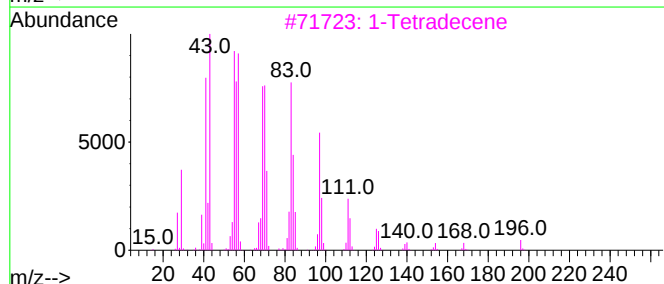
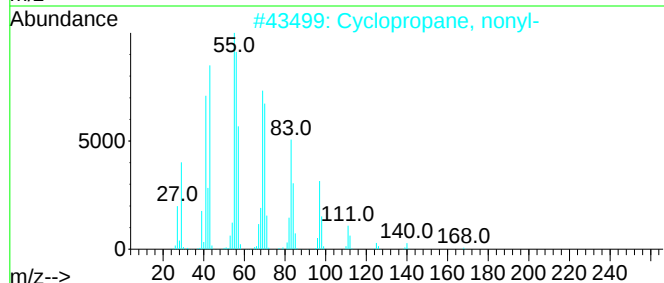
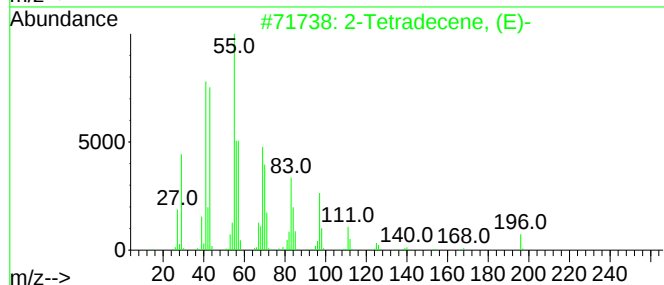
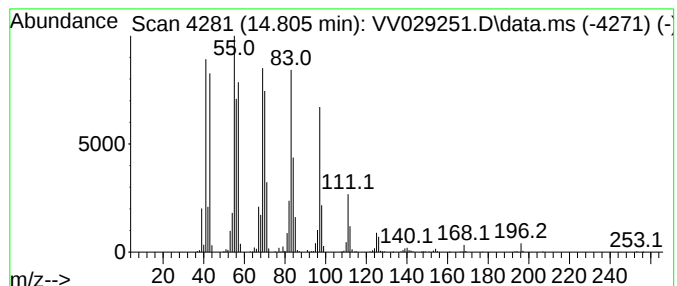
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.805 | 3.03 ug/L | 634686 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of                   | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------------------|---|--------------|-----|---------|-------------|------|
| 1    | 2-Tetradecene, (E)-  |   |              | 196 | C14H28  | 035953-54-9 | 99   |
| 2    | Cyclopropane, nonyl- |   |              | 168 | C12H24  | 074663-85-7 | 95   |
| 3    | 1-Tetradecene        |   |              | 196 | C14H28  | 001120-36-1 | 94   |
| 4    | 1-Tetradecene        |   |              | 196 | C14H28  | 001120-36-1 | 93   |
| 5    | 3-Hexadecene, (Z)-   |   |              | 224 | C16H32  | 034303-81-6 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

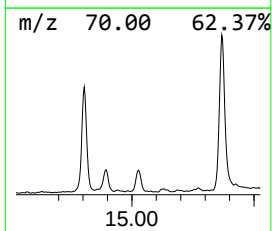
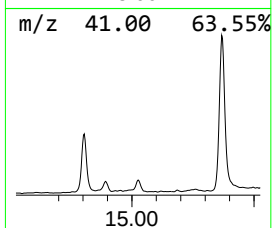
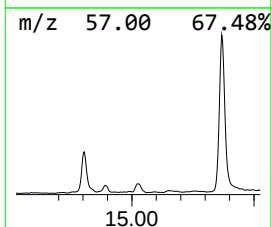
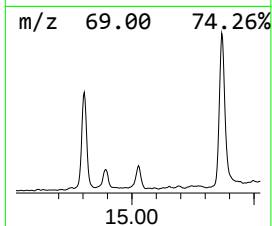
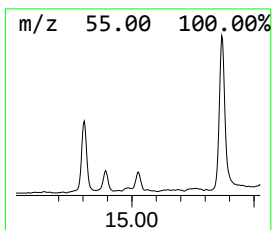
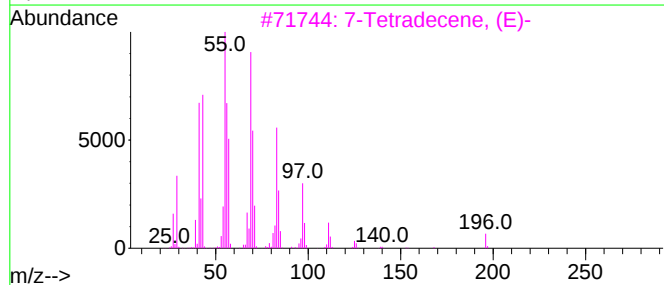
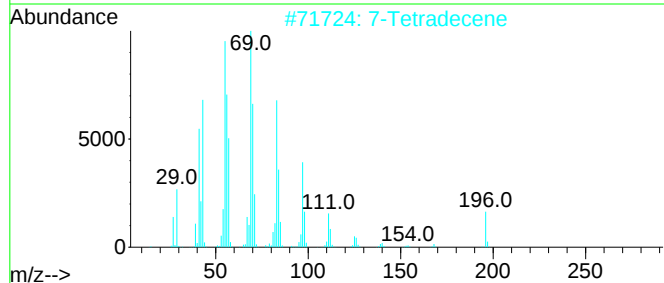
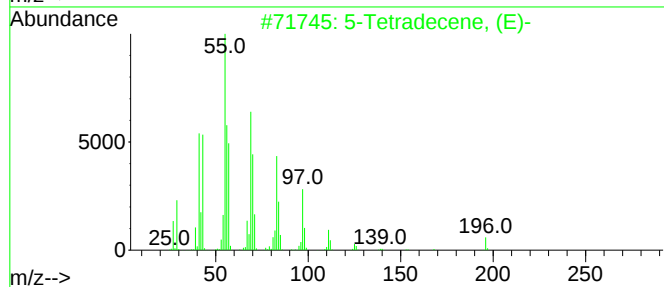
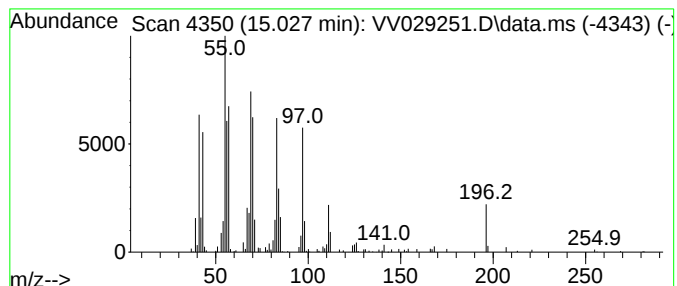
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.027 | 0.74 ug/L | 155837 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|------|---------------------|-----|---------|-------------|------|
| 1    |      | 5-Tetradecene, (E)- | 196 | C14H28  | 041446-66-6 | 95   |
| 2    |      | 7-Tetradecene       | 196 | C14H28  | 010374-74-0 | 94   |
| 3    |      | 7-Tetradecene, (E)- | 196 | C14H28  | 041446-63-3 | 94   |
| 4    |      | 7-Tetradecene, (Z)- | 196 | C14H28  | 041446-60-0 | 93   |
| 5    |      | 7-Tetradecene, (E)- | 196 | C14H28  | 041446-63-3 | 93   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

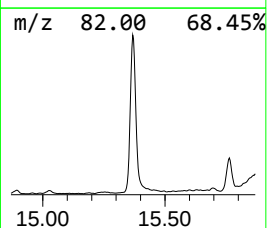
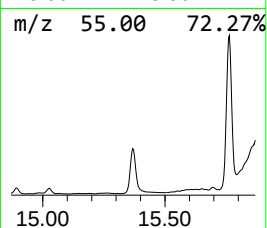
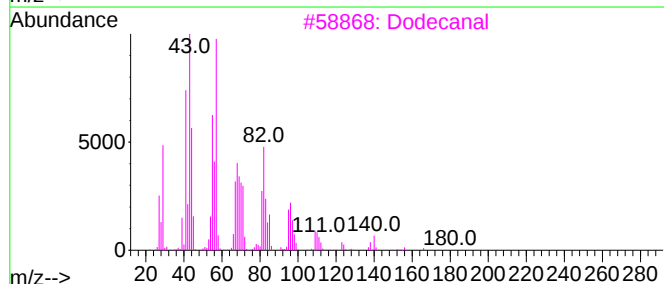
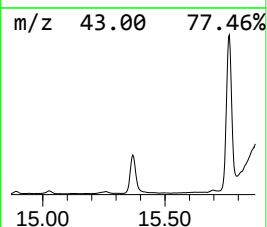
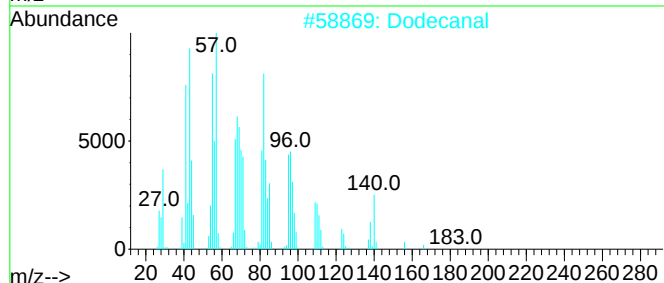
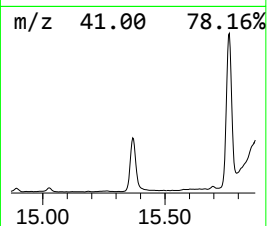
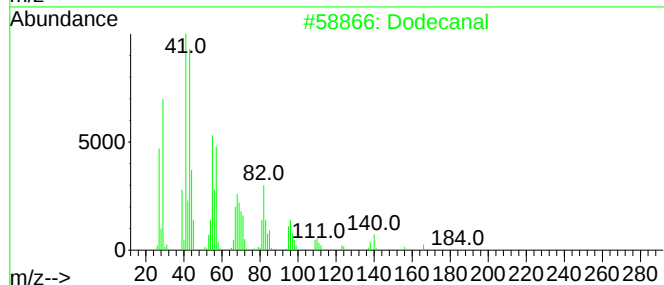
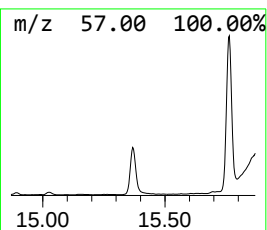
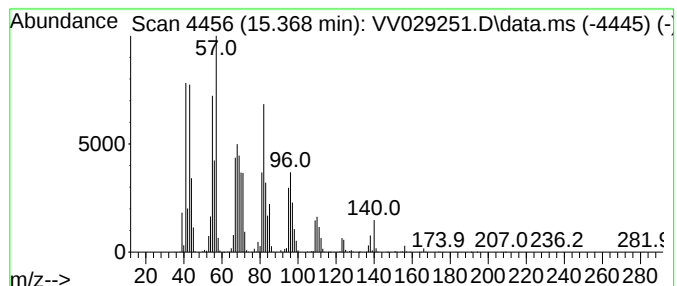
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 8 Dodecanal Concentration Rank 3

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.368 | 10.95 ug/L | 2291080 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of                          | 5 | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|------|-----------------------------|---|--------------|-----|----------|-------------|------|
| 1    | Dodecanal                   |   |              | 184 | C12H24O  | 000112-54-9 | 98   |
| 2    | Dodecanal                   |   |              | 184 | C12H24O  | 000112-54-9 | 94   |
| 3    | Dodecanal                   |   |              | 184 | C12H24O  | 000112-54-9 | 91   |
| 4    | Dodecanal                   |   |              | 184 | C12H24O  | 000112-54-9 | 91   |
| 5    | 1,1-Dodecanediol, diacetate |   |              | 286 | C16H30O4 | 056438-07-4 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

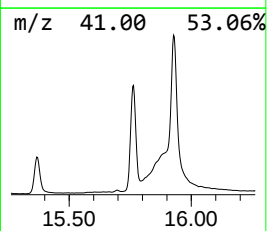
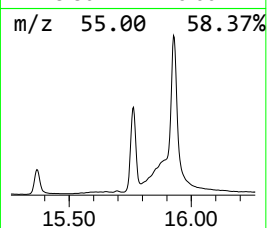
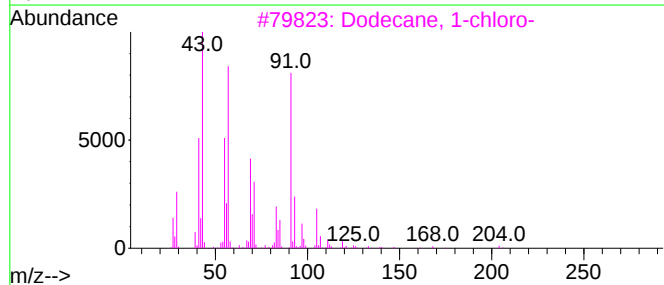
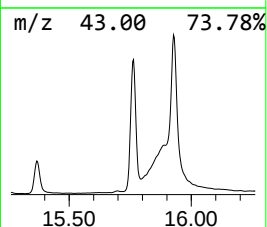
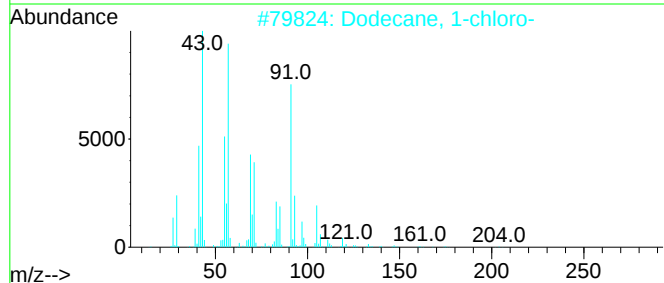
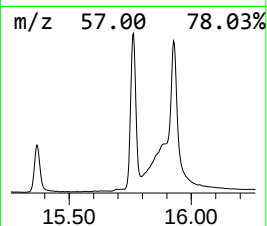
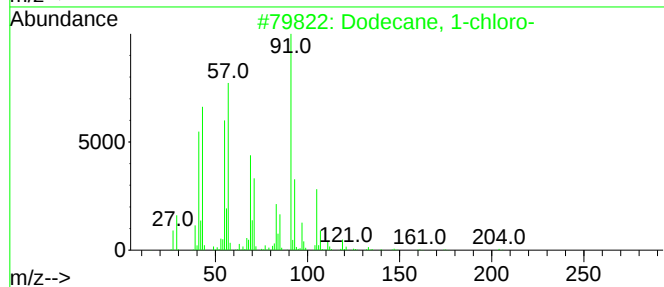
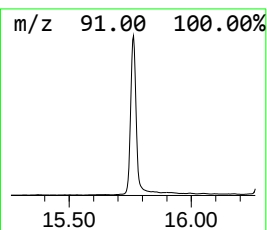
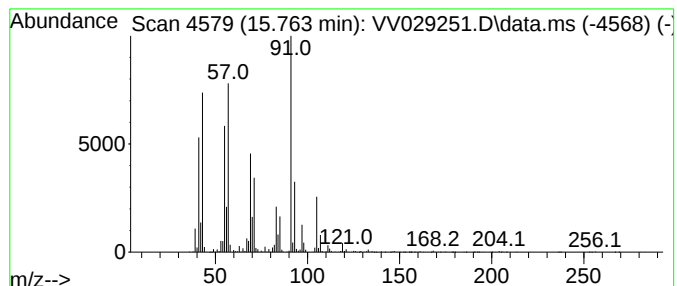
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 9 Dodecane, 1-chloro- Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.763 | 27.96 ug/L | 5851140 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Dodecane, 1-chloro-                 | 204 | C12H25Cl | 000112-52-7  | 98   |
| 2    |    |   | Dodecane, 1-chloro-                 | 204 | C12H25Cl | 000112-52-7  | 91   |
| 3    |    |   | Dodecane, 1-chloro-                 | 204 | C12H25Cl | 000112-52-7  | 86   |
| 4    |    |   | 1-Chloroundecane                    | 190 | C11H23Cl | 002473-03-2  | 80   |
| 5    |    |   | Oxalic acid, cyclobutyl tridecyl... | 326 | C19H34O4 | 1000309-70-4 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

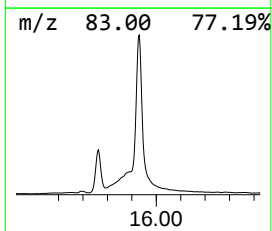
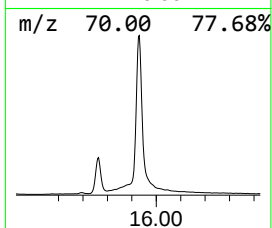
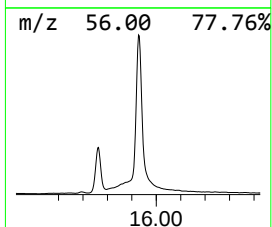
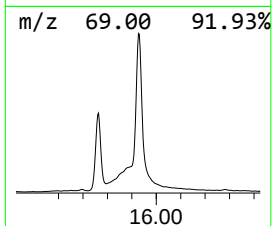
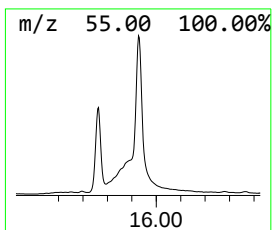
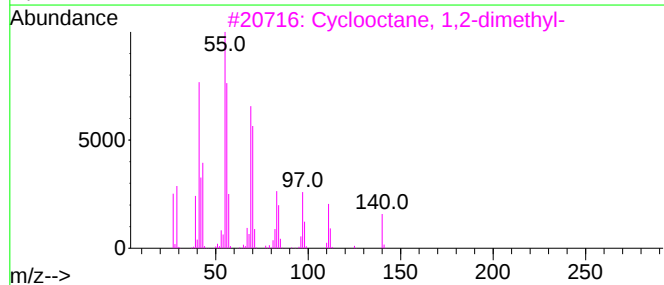
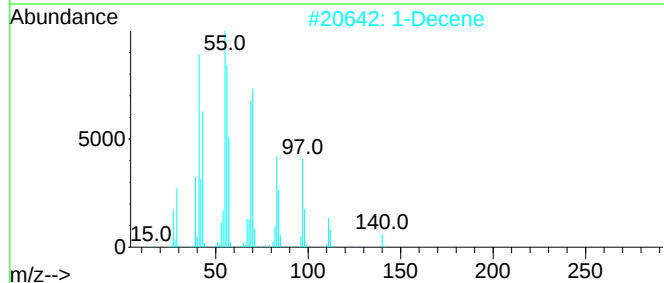
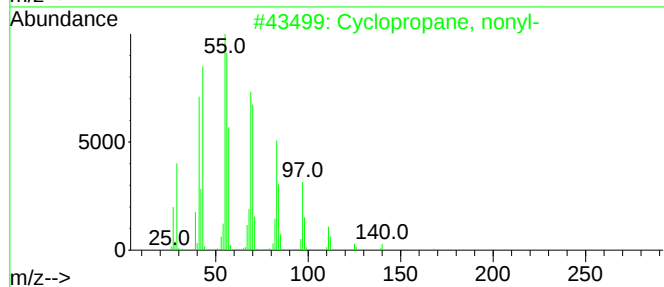
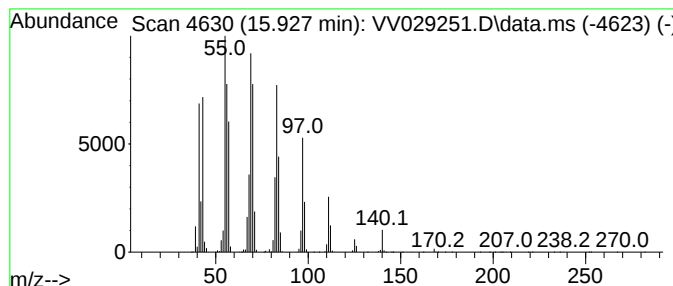
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 10 (DEL) Alkane: Cyclic15.927 Concentration Rank 1

| R.T.   | EstConc    | Area     | Relative to ISTD       | R.T.   |
|--------|------------|----------|------------------------|--------|
| 15.927 | 65.64 ug/L | 13738000 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopropane, nonyl-       | 168 | C12H24  | 074663-85-7 | 96   |
| 2    |    |   | 1-Decene                   | 140 | C10H20  | 000872-05-9 | 95   |
| 3    |    |   | Cyclooctane, 1,2-dimethyl- | 140 | C10H20  | 013151-94-5 | 95   |
| 4    |    |   | Cyclodecane                | 140 | C10H20  | 000293-96-9 | 94   |
| 5    |    |   | Cyclododecane              | 168 | C12H24  | 000294-62-2 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

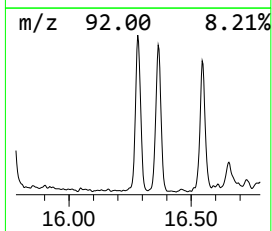
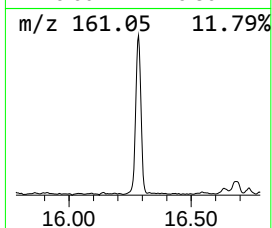
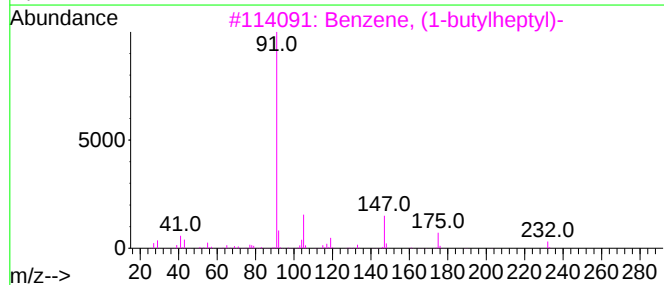
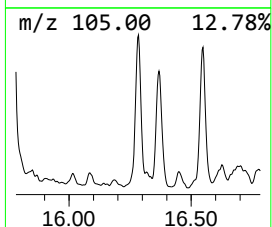
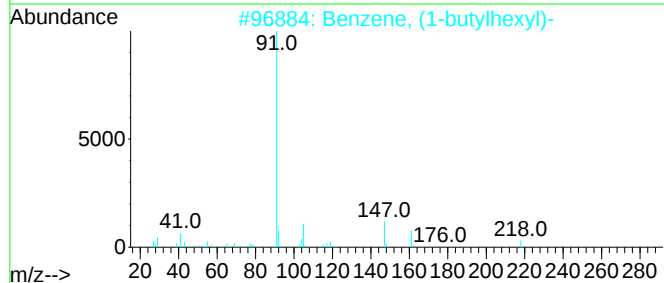
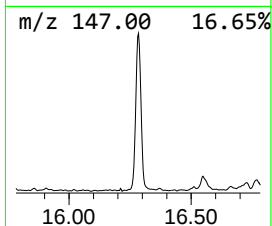
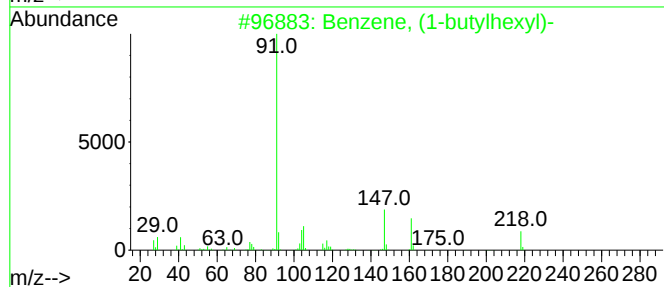
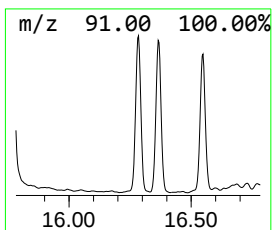
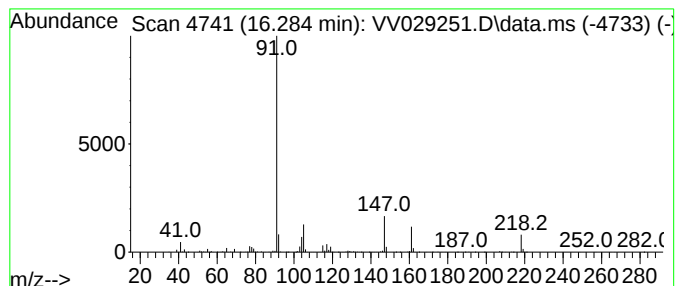
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 11 Benzene, (1-butylhexyl)- Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.284 | 3.13 ug/L | 654251 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1-butylhexyl)-  | 218 | C16H26  | 004537-11-5 | 94   |
| 2    |    |   | Benzene, (1-butylhexyl)-  | 218 | C16H26  | 004537-11-5 | 91   |
| 3    |    |   | Benzene, (1-butylheptyl)- | 232 | C17H28  | 004537-15-9 | 47   |
| 4    |    |   | Benzene, (1-butyloctyl)-  | 246 | C18H30  | 002719-63-3 | 38   |
| 5    |    |   | Benzene, (1-pentyloctyl)- | 260 | C19H32  | 004534-49-0 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

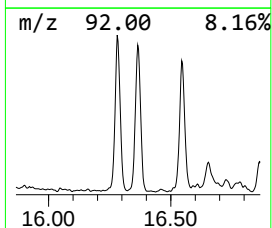
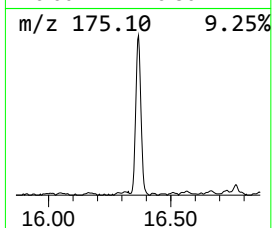
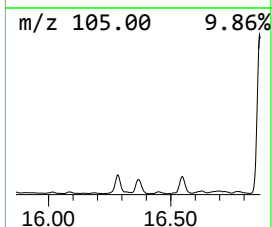
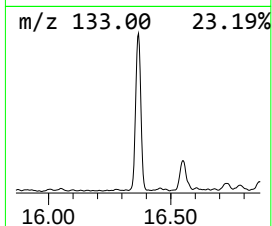
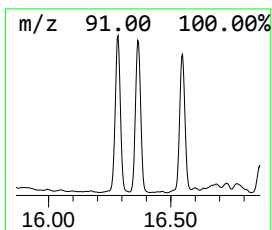
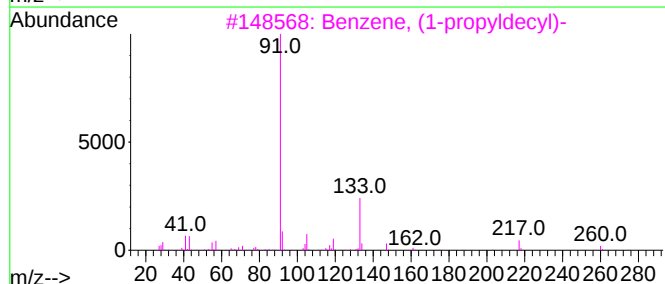
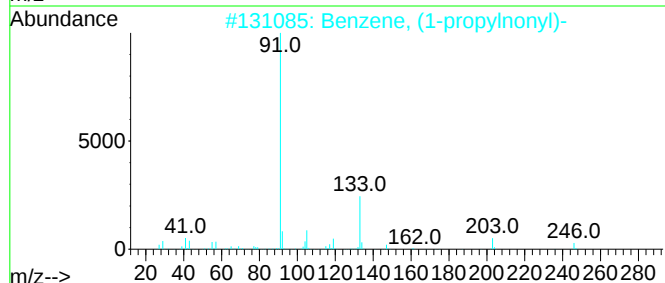
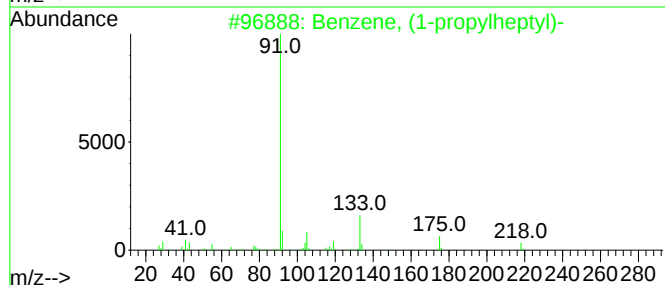
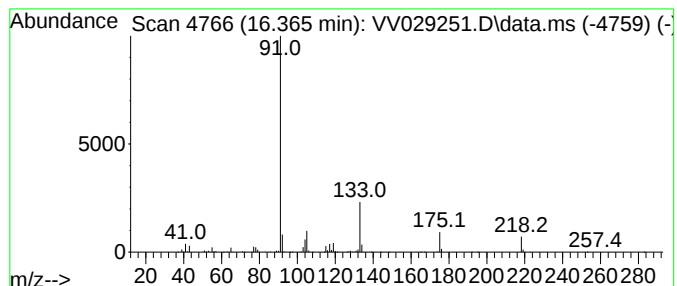
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 12 Benzene, (1-propylheptyl)- Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.365 | 3.11 ug/L | 649872 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1-propylheptyl)-     | 218 | C16H26  | 004537-12-6 | 94   |
| 2    |    |   | Benzene, (1-propylnonyl)-      | 246 | C18H30  | 002719-64-4 | 64   |
| 3    |    |   | Benzene, (1-propyldecyl)-      | 260 | C19H32  | 004534-51-4 | 64   |
| 4    |    |   | Benzene, (1-propyloctyl)-      | 232 | C17H28  | 004536-86-1 | 64   |
| 5    |    |   | Benzene, (1-propylheptadecyl)- | 358 | C26H46  | 002400-03-5 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

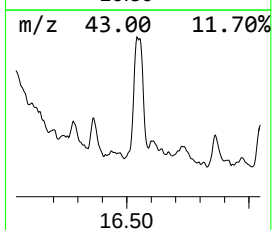
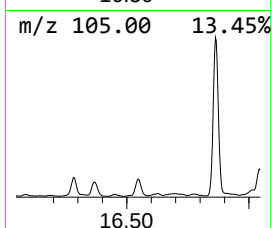
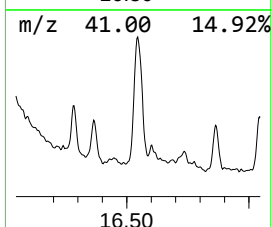
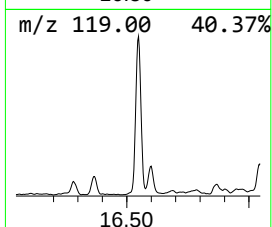
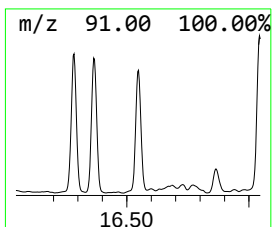
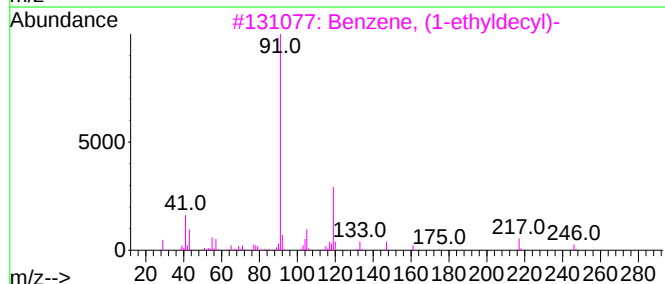
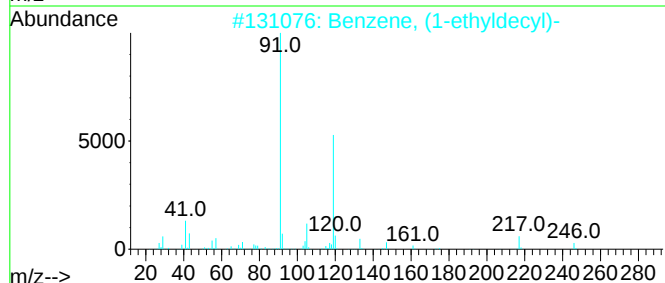
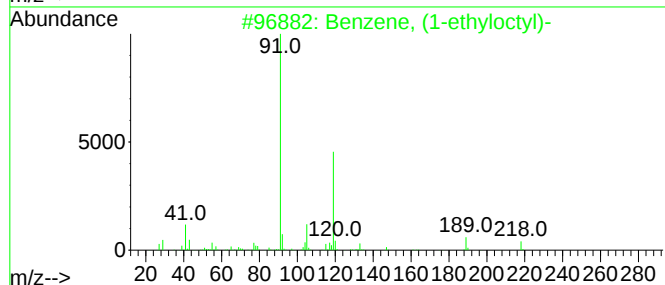
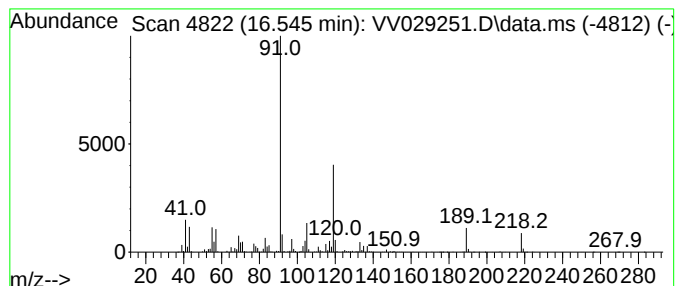
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 13 Benzene, (1-ethyloctyl)- Concentration Rank 5

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 16.545 | 5.38 ug/L | 1125840 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm   | CAS#        | Qual |
|------|----|---|--------------------------|-----|-----------|-------------|------|
| 1    |    |   | Benzene, (1-ethyloctyl)- | 218 | C16H26    | 004621-36-7 | 90   |
| 2    |    |   | Benzene, (1-ethyldecyl)- | 246 | C18H30    | 002400-00-2 | 64   |
| 3    |    |   | Benzene, (1-ethyldecyl)- | 246 | C18H30    | 002400-00-2 | 64   |
| 4    |    |   | Hexane, 3,4-diphenyl-    | 238 | C18H22    | 005789-31-1 | 53   |
| 5    |    |   | 2-Phenylbutyryl chloride | 182 | C10H11ClO | 036854-57-6 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

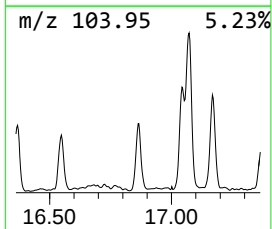
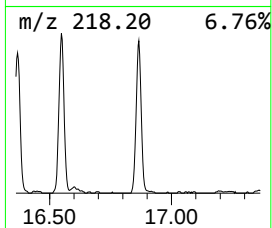
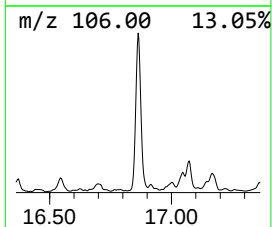
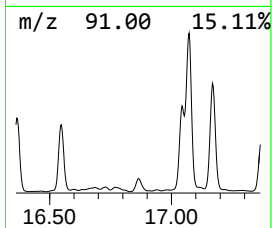
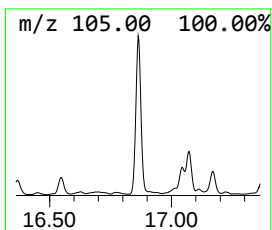
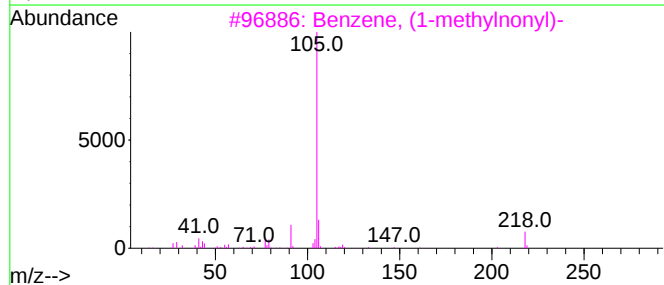
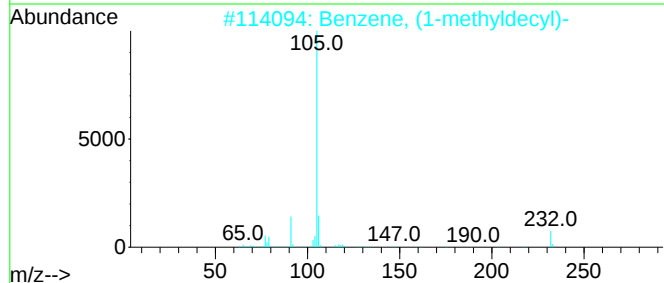
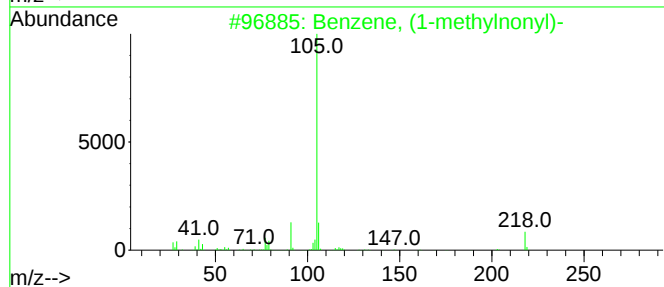
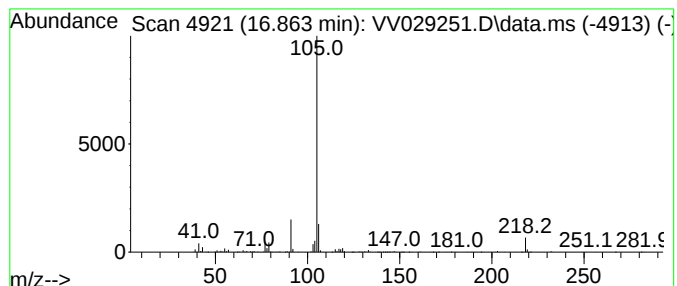
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 14 Benzene, (1-methylnonyl)- Concentration Rank 13

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.863 | 3.01 ug/L | 629997 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1-methylnonyl)-  | 218 | C16H26  | 004537-13-7 | 93   |
| 2    |    |   | Benzene, (1-methyldecyl)-  | 232 | C17H28  | 004536-88-3 | 87   |
| 3    |    |   | Benzene, (1-methylnonyl)-  | 218 | C16H26  | 004537-13-7 | 87   |
| 4    |    |   | Benzene, (1-methylheptyl)- | 190 | C14H22  | 000777-22-0 | 64   |
| 5    |    |   | Benzene, (1-methylnonyl)-  | 218 | C16H26  | 004537-13-7 | 62   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

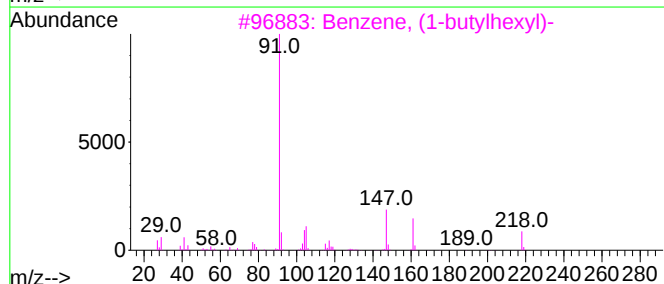
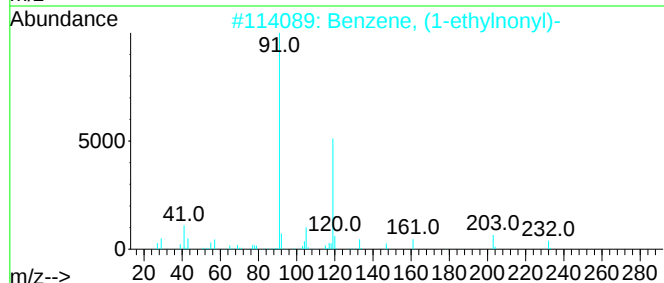
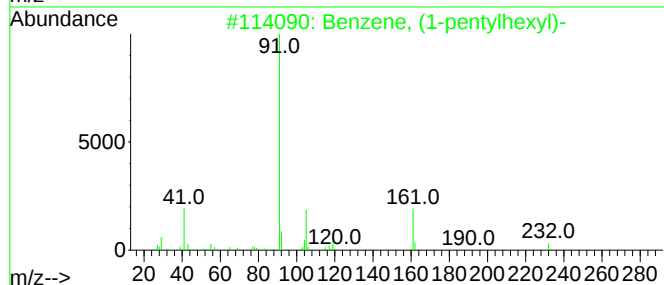
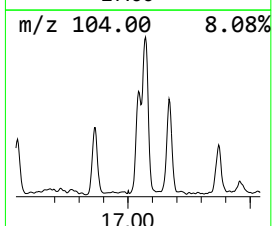
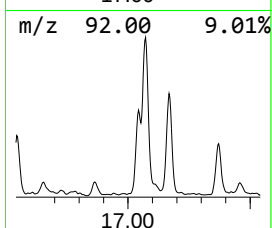
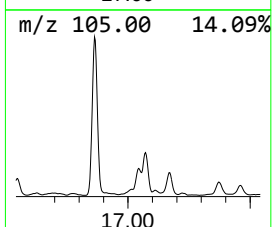
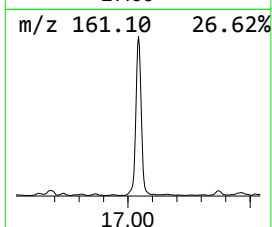
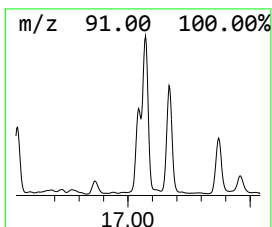
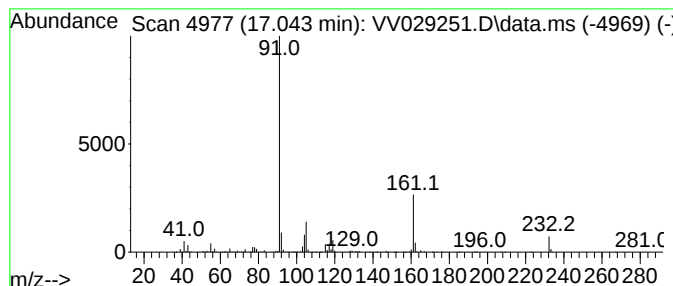
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 15 Benzene, (1-pentylhexyl)- Concentration Rank 11

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 17.043 | 3.07 ug/L | 643134 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1-pentylhexyl)-  | 232 | C17H28  | 004537-14-8 | 87   |
| 2    |    |   | Benzene, (1-ethylnonyl)-   | 232 | C17H28  | 004536-87-2 | 50   |
| 3    |    |   | Benzene, (1-butylhexyl)-   | 218 | C16H26  | 004537-11-5 | 43   |
| 4    |    |   | Benzene, (1-pentylheptyl)- | 246 | C18H30  | 002719-62-2 | 38   |
| 5    |    |   | Benzene, (1-ethyloctyl)-   | 218 | C16H26  | 004621-36-7 | 37   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

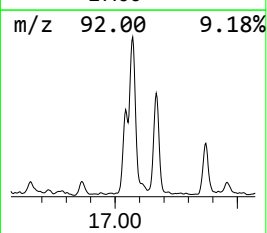
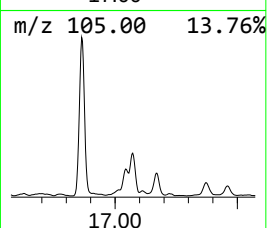
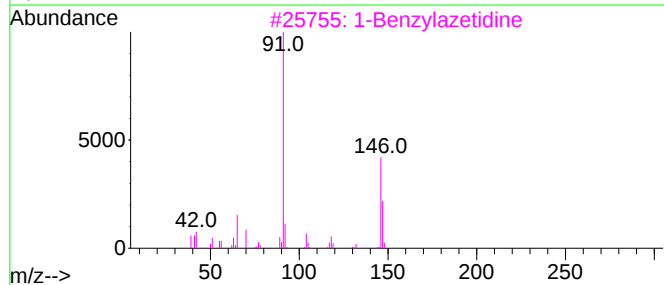
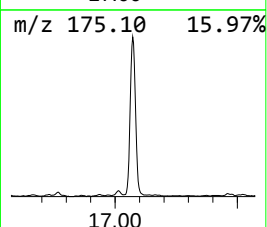
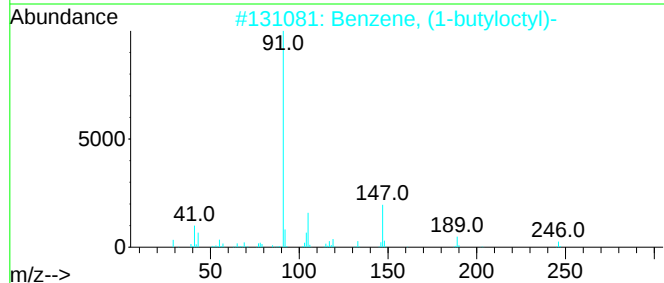
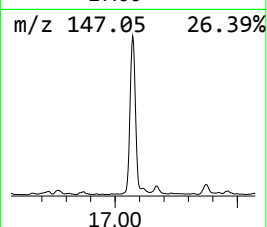
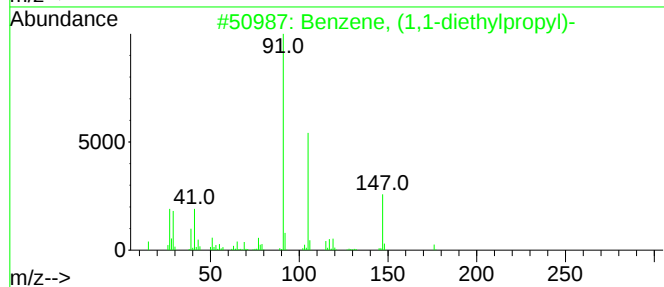
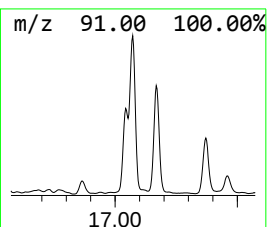
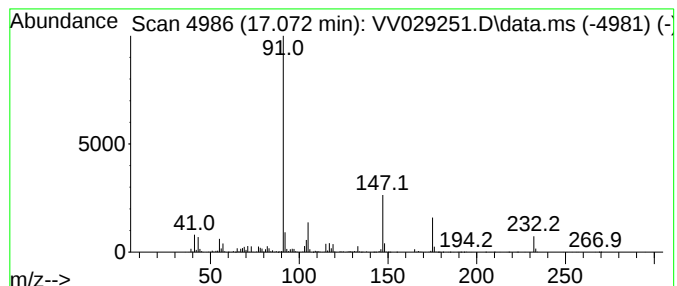
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 16 Benzene, (1,1-diethylpropyl)- Concentration Rank 4

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 17.072 | 8.77 ug/L | 1836520 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1,1-diethylpropyl)- | 176 | C13H20  | 004170-84-7 | 58   |
| 2    |    |   | Benzene, (1-butyloctyl)-      | 246 | C18H30  | 002719-63-3 | 53   |
| 3    |    |   | 1-Benzylazetidine             | 147 | C10H13N | 007730-39-4 | 53   |
| 4    |    |   | Benzene, (1-butylhexyl)-      | 218 | C16H26  | 004537-11-5 | 53   |
| 5    |    |   | Benzene, (1-butylnonyl)-      | 260 | C19H32  | 004534-50-3 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

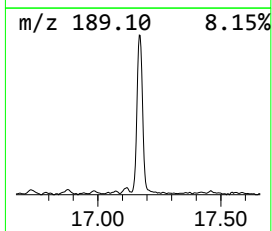
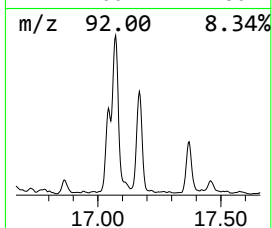
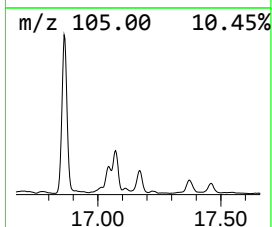
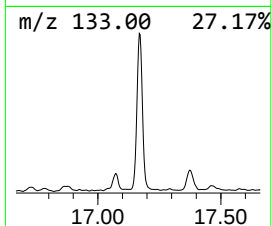
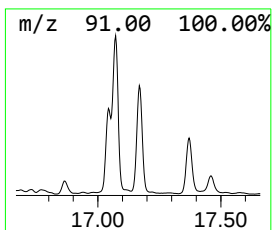
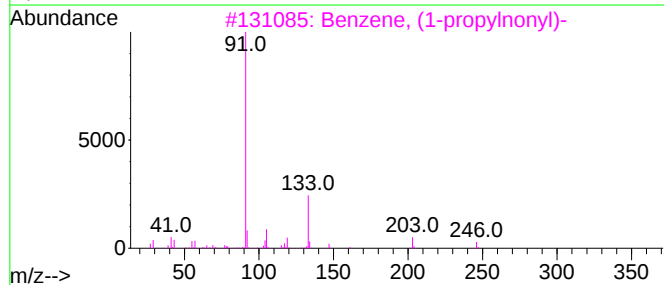
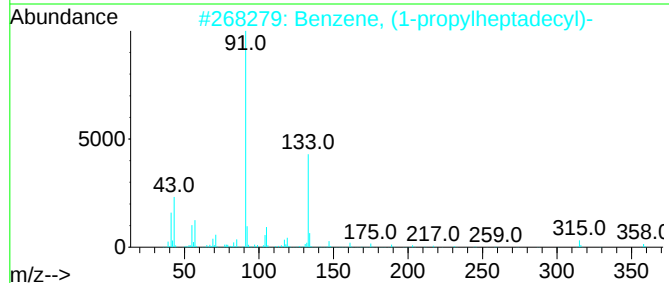
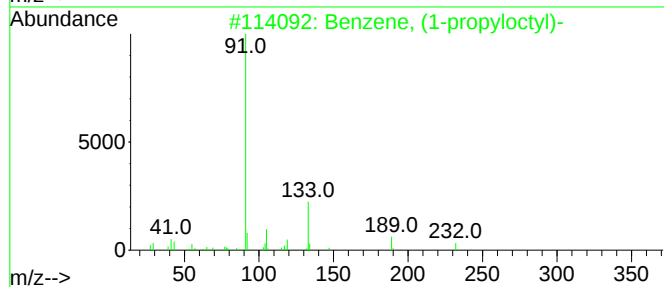
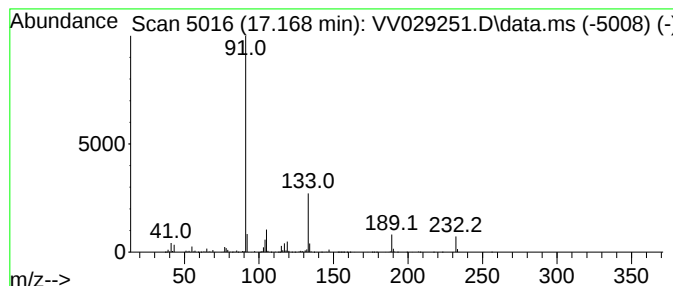
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Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 17 Benzene, (1-propyloctyl)- Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 17.168 | 4.58 ug/L | 959322 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------------|-----|---------|-------------|------|
| 1    |      | Benzene, (1-propyloctyl)-      | 232 | C17H28  | 004536-86-1 | 95   |
| 2    |      | Benzene, (1-propylheptadecyl)- | 358 | C26H46  | 002400-03-5 | 72   |
| 3    |      | Benzene, (1-propylnonyl)-      | 246 | C18H30  | 002719-64-4 | 56   |
| 4    |      | Benzene, (1-propylheptyl)-     | 218 | C16H26  | 004537-12-6 | 53   |
| 5    |      | Benzene, (1-propyldecyl)-      | 260 | C19H32  | 004534-51-4 | 40   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

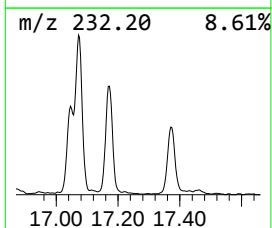
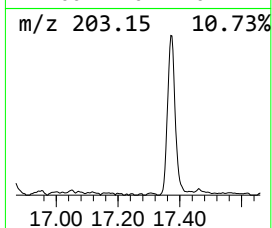
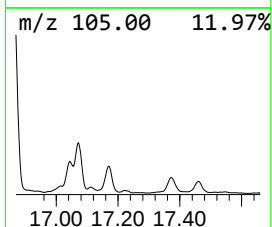
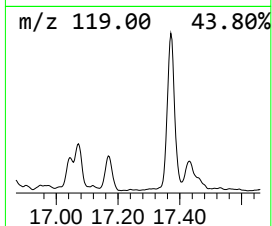
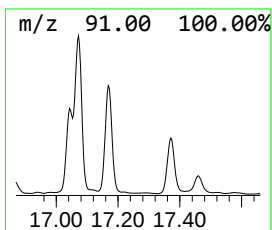
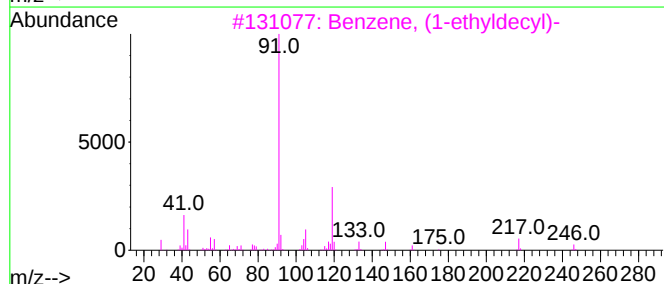
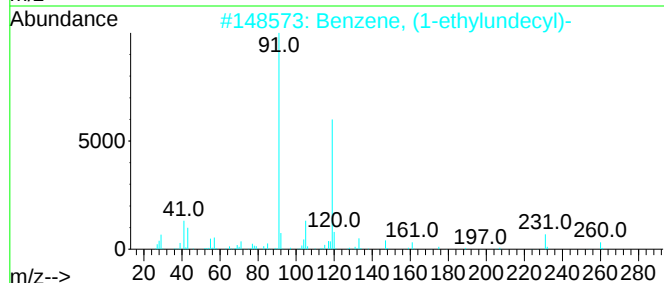
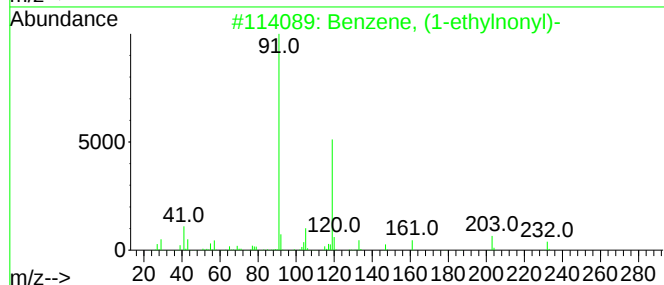
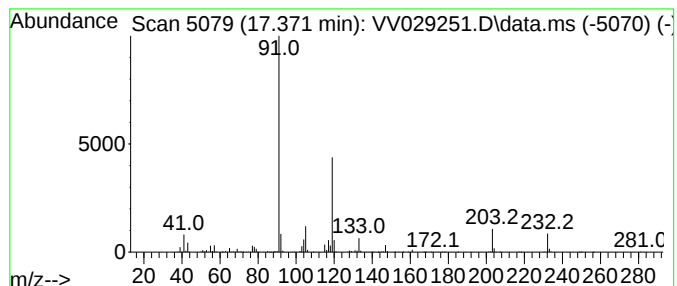
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 18 Benzene, (1-ethylnonyl)- Concentration Rank 14

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 17.371 | 2.90 ug/L | 606372 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1-ethylnonyl)-   | 232 | C17H28  | 004536-87-2 | 91   |
| 2    |    |   | Benzene, (1-ethylundecyl)- | 260 | C19H32  | 004534-52-5 | 72   |
| 3    |    |   | Benzene, (1-ethyldecyl)-   | 246 | C18H30  | 002400-00-2 | 64   |
| 4    |    |   | Benzene, (1-ethyldecyl)-   | 246 | C18H30  | 002400-00-2 | 64   |
| 5    |    |   | Benzene, (1-ethyloctyl)-   | 218 | C16H26  | 004621-36-7 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
Data File : VV029251.D  
Acq On : 21 Nov 2022 02:36  
Operator : SY/MD  
Sample : N5725-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB56

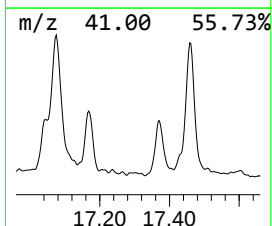
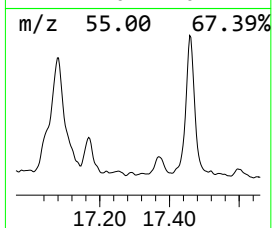
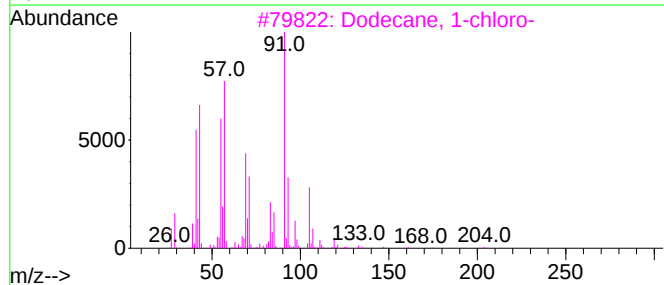
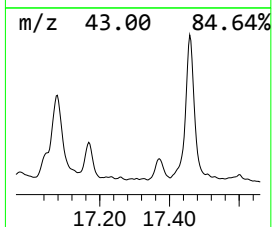
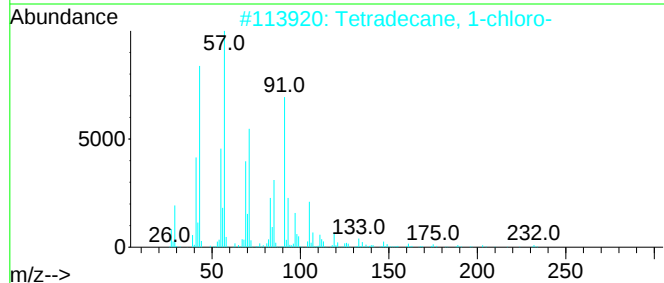
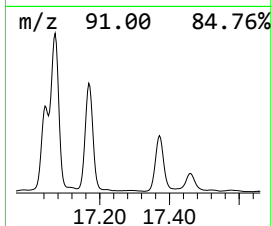
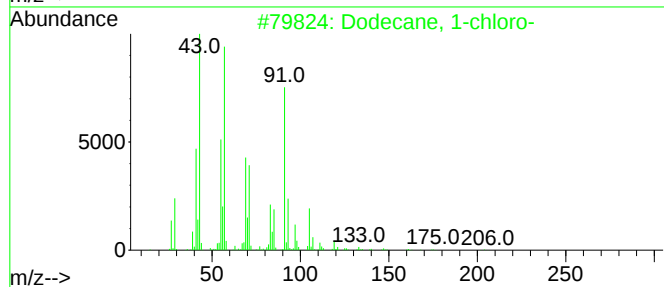
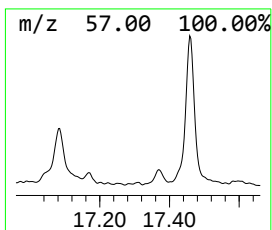
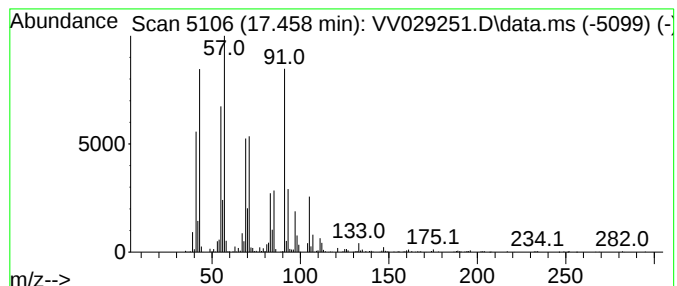
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 19 Tetradecane, 1-chloro- Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 17.458 | 3.34 ug/L | 699035 | 1,4-Dichlorobenzene-d4 | 11.239 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------|-----|----------|-------------|------|
| 1    |    |   | Dodecane, 1-chloro-    | 204 | C12H25Cl | 000112-52-7 | 93   |
| 2    |    |   | Tetradecane, 1-chloro- | 232 | C14H29Cl | 002425-54-9 | 91   |
| 3    |    |   | Dodecane, 1-chloro-    | 204 | C12H25Cl | 000112-52-7 | 90   |
| 4    |    |   | Tetradecane, 1-chloro- | 232 | C14H29Cl | 002425-54-9 | 87   |
| 5    |    |   | Dodecane, 1-chloro-    | 204 | C12H25Cl | 000112-52-7 | 80   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112022\  
 Data File : VV029251.D  
 Acq On : 21 Nov 2022 02:36  
 Operator : SY/MD  
 Sample : N5725-02  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BHB56

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Pyrazine           | 7.256  | 0.7     | ug/L  | 139104   | 2                     | 8.844  | 1038040 | 5.0  |
| (DEL) Alkane: S... | 12.841 | 4.9     | ug/L  | 1031490  | 3                     | 11.239 | 1046490 | 5.0  |
| (DEL) Alkane: S... | 12.950 | 0.9     | ug/L  | 181923   | 3                     | 11.239 | 1046490 | 5.0  |
| (DEL) Alkane: S... | 13.088 | 1.1     | ug/L  | 233330   | 3                     | 11.239 | 1046490 | 5.0  |
| (DEL) Alkane: S... | 14.805 | 3.0     | ug/L  | 634686   | 3                     | 11.239 | 1046490 | 5.0  |
| (DEL) Alkane: S... | 15.027 | 0.7     | ug/L  | 155837   | 3                     | 11.239 | 1046490 | 5.0  |
| Dodecanal          | 15.368 | 10.9    | ug/L  | 2291080  | 3                     | 11.239 | 1046490 | 5.0  |
| Dodecane, 1-chl... | 15.763 | 28.0    | ug/L  | 5851140  | 3                     | 11.239 | 1046490 | 5.0  |
| (DEL) Alkane: C... | 15.927 | 65.6    | ug/L  | 13738000 | 3                     | 11.239 | 1046490 | 5.0  |
| Benzene, (1-but... | 16.284 | 3.1     | ug/L  | 654251   | 3                     | 11.239 | 1046490 | 5.0  |
| Benzene, (1-pro... | 16.365 | 3.1     | ug/L  | 649872   | 3                     | 11.239 | 1046490 | 5.0  |
| Benzene, (1-eth... | 16.545 | 5.4     | ug/L  | 1125840  | 3                     | 11.239 | 1046490 | 5.0  |
| Benzene, (1-met... | 16.863 | 3.0     | ug/L  | 629997   | 3                     | 11.239 | 1046490 | 5.0  |
| Benzene, (1-pen... | 17.043 | 3.1     | ug/L  | 643134   | 3                     | 11.239 | 1046490 | 5.0  |
| Benzene, (1,1-d... | 17.072 | 8.8     | ug/L  | 1836520  | 3                     | 11.239 | 1046490 | 5.0  |
| Benzene, (1-pro... | 17.168 | 4.6     | ug/L  | 959322   | 3                     | 11.239 | 1046490 | 5.0  |
| Benzene, (1-eth... | 17.371 | 2.9     | ug/L  | 606372   | 3                     | 11.239 | 1046490 | 5.0  |
| Tetradecane, 1-... | 17.458 | 3.3     | ug/L  | 699035   | 3                     | 11.239 | 1046490 | 5.0  |