

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV081522\  
 Data File : VV027393.D  
 Acq On : 15 Aug 2022 17:12  
 Operator : SY/MD  
 Sample : N4192-03  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

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\SFAMVTR081122WMA.M  
 Title : TRACE VOA SFAM1.0

Signal : TIC: VV027393.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       | 75            | 81          | 95           | rBV      | 69936          | 75212         | 13.12%          | 1.469%        |
| 2         | 1.378       | 95            | 105         | 109          | rBV2     | 15288          | 28363         | 4.95%           | 0.554%        |
| 3         | 1.564       | 156           | 163         | 179          | rVB      | 61793          | 77967         | 13.60%          | 1.523%        |
| 4         | 2.101       | 320           | 330         | 341          | rVB      | 123596         | 178883        | 31.20%          | 3.494%        |
| 5         | 2.268       | 372           | 382         | 396          | rVB3     | 9512           | 18585         | 3.24%           | 0.363%        |
| 6         | 2.503       | 443           | 455         | 463          | rBV2     | 9793           | 16337         | 2.85%           | 0.319%        |
| 7         | 3.886       | 876           | 885         | 910          | rBV      | 52232          | 167963        | 29.30%          | 3.281%        |
| 8         | 4.342       | 1008          | 1027        | 1048         | rBV2     | 102319         | 267249        | 46.62%          | 5.220%        |
| 9         | 5.043       | 1229          | 1245        | 1271         | rBV3     | 226279         | 573271        | 100.00%         | 11.197%       |
| 10        | 5.159       | 1271          | 1281        | 1282         | rBV6     | 8664           | 10463         | 1.83%           | 0.204%        |
| 11        | 5.612       | 1410          | 1422        | 1446         | rBV      | 184248         | 389686        | 67.98%          | 7.611%        |
| 12        | 5.709       | 1446          | 1452        | 1470         | rVB3     | 9923           | 21895         | 3.82%           | 0.428%        |
| 13        | 6.066       | 1549          | 1563        | 1580         | rBV      | 137956         | 286487        | 49.97%          | 5.596%        |
| 14        | 6.146       | 1581          | 1588        | 1602         | rVB5     | 7305           | 17652         | 3.08%           | 0.345%        |
| 15        | 6.985       | 1838          | 1849        | 1864         | rBV      | 56980          | 110987        | 19.36%          | 2.168%        |
| 16        | 7.313       | 1938          | 1951        | 1983         | rBV      | 239364         | 444750        | 77.58%          | 8.687%        |
| 17        | 7.625       | 2037          | 2048        | 2062         | rBV2     | 33774          | 65729         | 11.47%          | 1.284%        |
| 18        | 8.088       | 2182          | 2192        | 2226         | rBV      | 241798         | 556404        | 97.06%          | 10.867%       |
| 19        | 8.850       | 2417          | 2429        | 2452         | rBV      | 292503         | 499658        | 87.16%          | 9.759%        |
| 20        | 10.217      | 2841          | 2854        | 2869         | rBV      | 103019         | 169641        | 29.59%          | 3.313%        |
| 21        | 11.249      | 3163          | 3175        | 3194         | rBV      | 273722         | 430033        | 75.01%          | 8.399%        |
| 22        | 11.622      | 3280          | 3291        | 3311         | rBV      | 239554         | 386205        | 67.37%          | 7.543%        |
| 23        | 16.007      | 4646          | 4655        | 4659         | rBV      | 5297           | 7294          | 1.27%           | 0.142%        |
| 24        | 16.043      | 4661          | 4666        | 4675         | rVB8     | 4776           | 7501          | 1.31%           | 0.147%        |
| 25        | 16.178      | 4701          | 4708        | 4720         | rBV7     | 6148           | 9919          | 1.73%           | 0.194%        |
| 26        | 16.271      | 4727          | 4737        | 4750         | rBV      | 27295          | 46004         | 8.02%           | 0.899%        |
| 27        | 16.480      | 4791          | 4802        | 4819         | rBV2     | 104639         | 165212        | 28.82%          | 3.227%        |
| 28        | 16.657      | 4852          | 4857        | 4865         | rVB7     | 5960           | 8219          | 1.43%           | 0.161%        |
| 29        | 16.914      | 4932          | 4937        | 4948         | rVB10    | 6133           | 8265          | 1.44%           | 0.161%        |
| 30        | 17.384      | 5074          | 5083        | 5095         | rBV2     | 35759          | 65992         | 11.51%          | 1.289%        |
| 31        | 17.499      | 5115          | 5119        | 5128         | rVB2     | 6614           | 8116          | 1.42%           | 0.159%        |

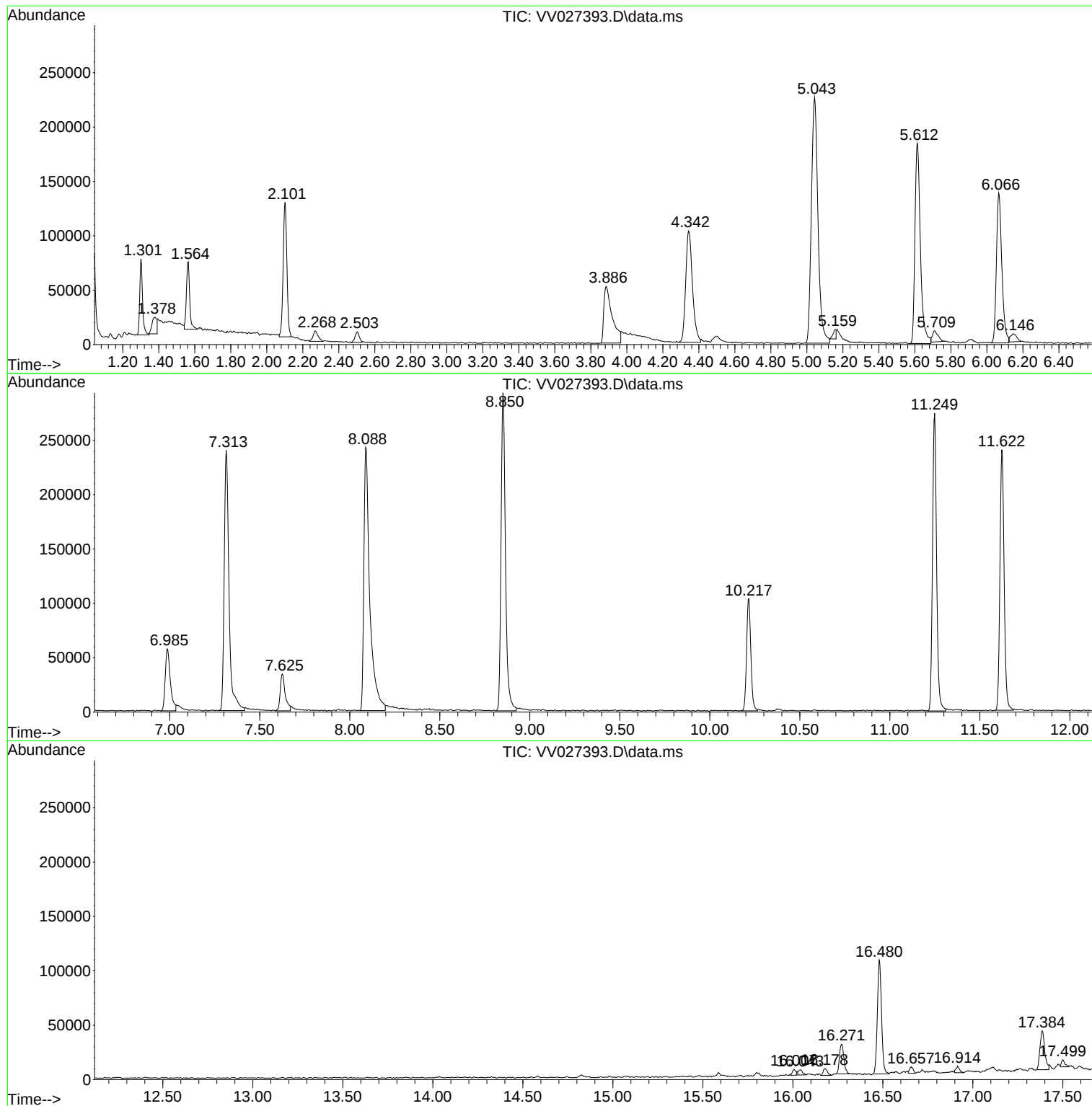
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081122WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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Misc : 25.0mL/MSVOA\_V/WATER  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

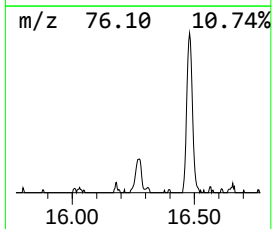
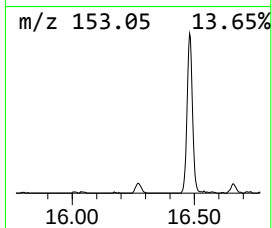
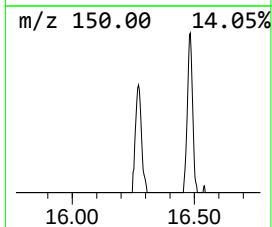
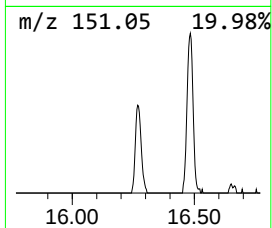
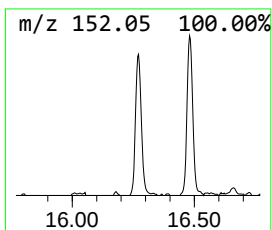
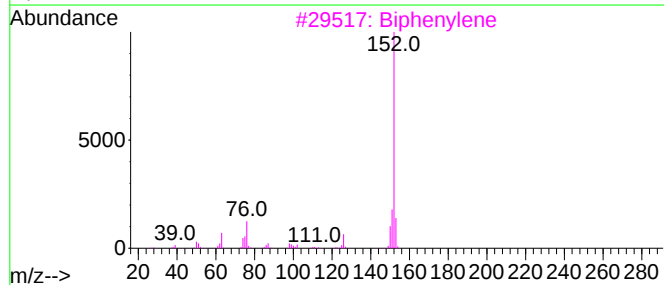
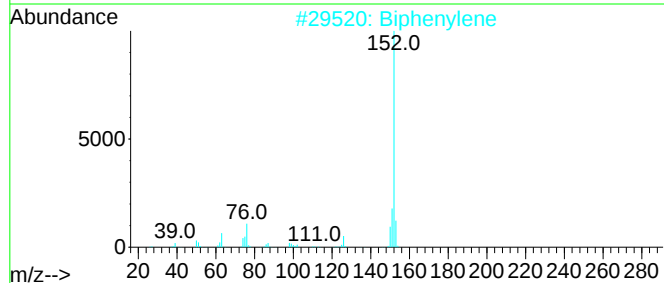
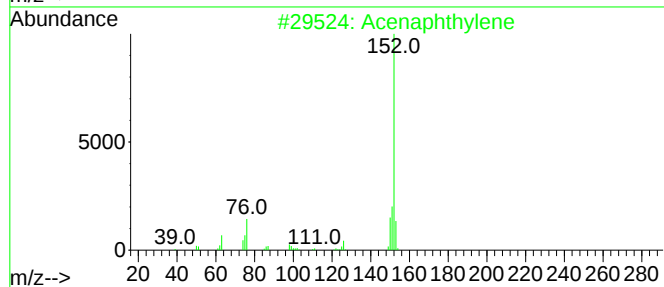
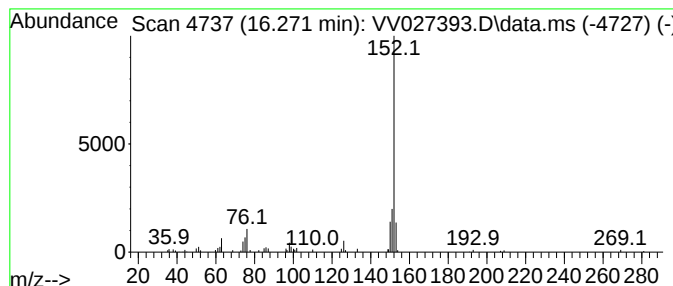
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 2 Acenaphthylene Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.271 | 0.53 ug/L | 46004 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------|-----|---------|-------------|------|
| 1    |    |   | Acenaphthylene | 152 | C12H8   | 000208-96-8 | 95   |
| 2    |    |   | Biphenylene    | 152 | C12H8   | 000259-79-0 | 94   |
| 3    |    |   | Biphenylene    | 152 | C12H8   | 000259-79-0 | 87   |
| 4    |    |   | Acenaphthylene | 152 | C12H8   | 000208-96-8 | 83   |
| 5    |    |   | Biphenylene    | 152 | C12H8   | 000259-79-0 | 76   |



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

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

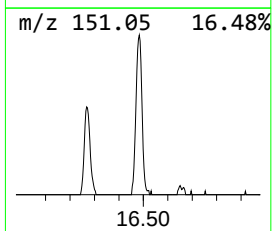
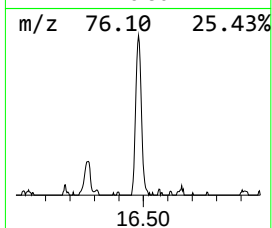
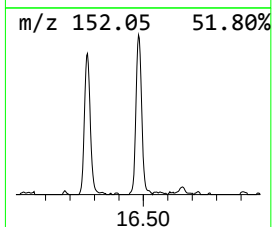
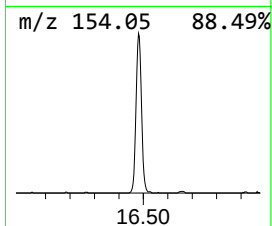
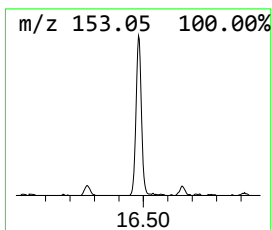
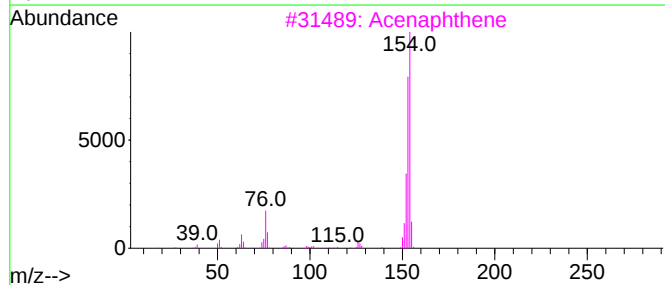
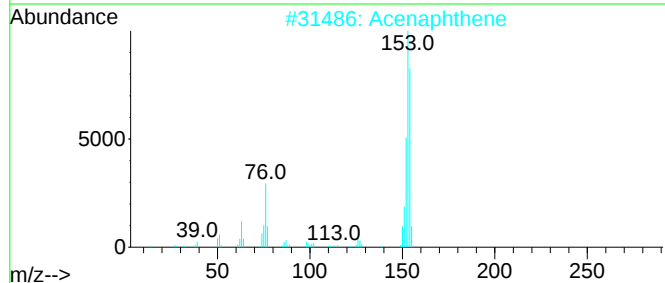
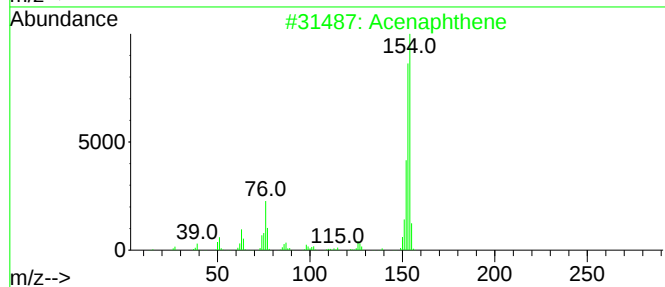
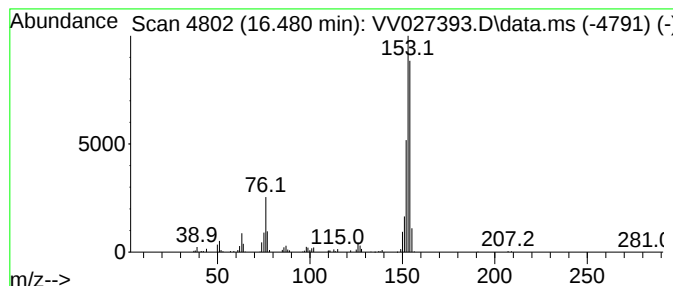
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081122WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 3 Acenaphthene Concentration Rank 1

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.480 | 1.92 ug/L | 165212 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Acenaphthene               | 154 | C12H10  | 000083-32-9 | 90   |
| 2    |    |   | Acenaphthene               | 154 | C12H10  | 000083-32-9 | 89   |
| 3    |    |   | Acenaphthene               | 154 | C12H10  | 000083-32-9 | 81   |
| 4    |    |   | Acenaphthene               | 154 | C12H10  | 000083-32-9 | 64   |
| 5    |    |   | 3-Fluoro-para-anisaldehyde | 154 | C8H7FO2 | 000351-54-2 | 50   |



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MSVOA\_V  
ClientSampleId :  
VHBLK001

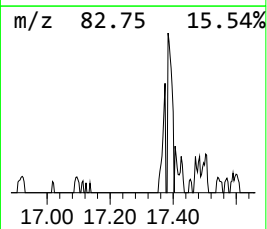
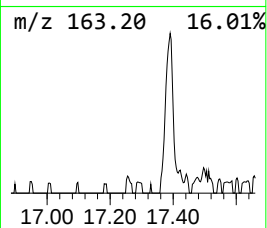
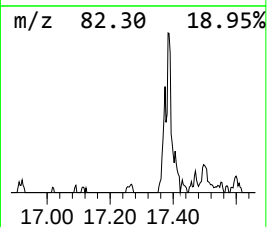
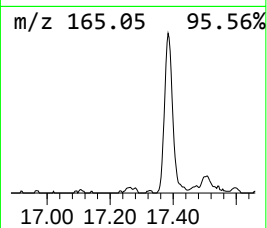
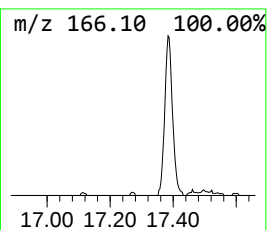
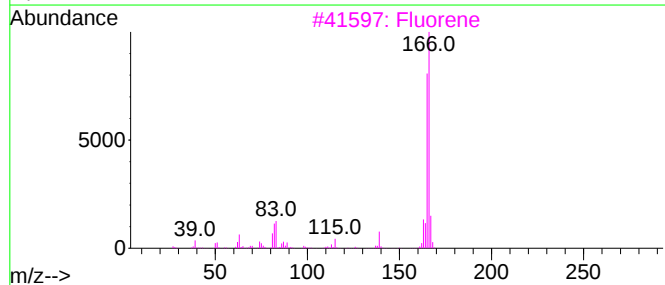
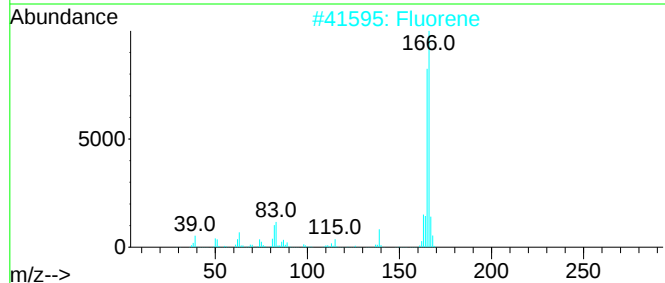
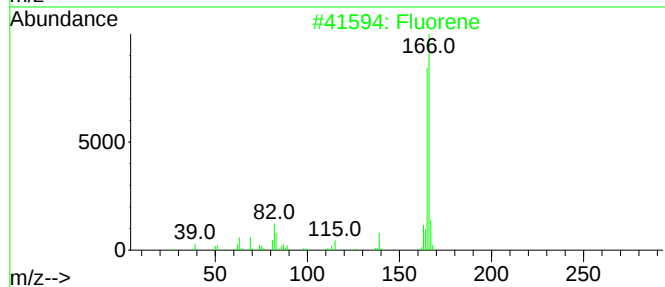
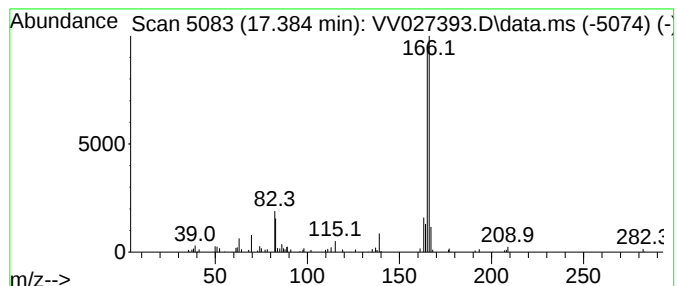
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081122WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 4 Fluorene Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 17.384 | 0.77 ug/L | 65992 | 1,4-Dichlorobenzene-d4 | 11.249 |

| Hit# | of                  | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------------------|---|--------------|-----|---------|-------------|------|
| 1    | Fluorene            |   |              | 166 | C13H10  | 000086-73-7 | 91   |
| 2    | Fluorene            |   |              | 166 | C13H10  | 000086-73-7 | 90   |
| 3    | Fluorene            |   |              | 166 | C13H10  | 000086-73-7 | 90   |
| 4    | Fluorene            |   |              | 166 | C13H10  | 000086-73-7 | 87   |
| 5    | Fluorene-9-methanol |   |              | 196 | C14H12O | 024324-17-2 | 78   |



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MSVOA\_V  
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VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081122WMA.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 |
| Acenaphthylene   | 16.271 | 0.5     | ug/L  | 46004    | 3                     | 11.249 | 430033 | 5.0  |
| Acenaphthene     | 16.480 | 1.9     | ug/L  | 165212   | 3                     | 11.249 | 430033 | 5.0  |
| Fluorene         | 17.384 | 0.8     | ug/L  | 65992    | 3                     | 11.249 | 430033 | 5.0  |