

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092822\  
 Data File : VV028153.D  
 Acq On : 28 Sep 2022 12:50  
 Operator : SY/MD  
 Sample : N4856-05DL 5X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F5H32DL

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\SFAMVTR092222WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VV028153.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       | 73            | 81          | 92           | rVB      | 87265          | 89855         | 13.08%          | 1.221%        |
| 2         | 1.410       | 106           | 115         | 122          | rBV      | 10888          | 14287         | 2.08%           | 0.194%        |
| 3         | 1.510       | 127           | 146         | 147          | rBV      | 19474          | 37930         | 5.52%           | 0.515%        |
| 4         | 1.564       | 156           | 163         | 173          | rVB      | 80562          | 92879         | 13.52%          | 1.262%        |
| 5         | 2.101       | 321           | 330         | 345          | rVB      | 142496         | 218440        | 31.80%          | 2.967%        |
| 6         | 2.500       | 438           | 454         | 470          | rBV2     | 47763          | 90070         | 13.11%          | 1.224%        |
| 7         | 2.760       | 520           | 535         | 558          | rBV      | 317779         | 686888        | 100.00%         | 9.331%        |
| 8         | 3.899       | 875           | 889         | 935          | rBV2     | 133721         | 504379        | 73.43%          | 6.852%        |
| 9         | 4.342       | 1008          | 1027        | 1056         | rBV2     | 109840         | 286512        | 41.71%          | 3.892%        |
| 10        | 4.670       | 1115          | 1129        | 1142         | rBV9     | 5883           | 15131         | 2.20%           | 0.206%        |
| 11        | 4.754       | 1142          | 1155        | 1178         | rVB5     | 9940           | 28384         | 4.13%           | 0.386%        |
| 12        | 4.902       | 1187          | 1201        | 1215         | rBV9     | 9024           | 25017         | 3.64%           | 0.340%        |
| 13        | 5.040       | 1226          | 1244        | 1272         | rBV2     | 232113         | 618756        | 90.08%          | 8.406%        |
| 14        | 5.175       | 1276          | 1286        | 1293         | rVV6     | 14888          | 36176         | 5.27%           | 0.491%        |
| 15        | 5.233       | 1296          | 1304        | 1320         | rVV6     | 16859          | 50100         | 7.29%           | 0.681%        |
| 16        | 5.317       | 1323          | 1330        | 1342         | rVB6     | 7281           | 16059         | 2.34%           | 0.218%        |
| 17        | 5.612       | 1410          | 1422        | 1460         | rBV      | 191587         | 410854        | 59.81%          | 5.581%        |
| 18        | 5.921       | 1505          | 1518        | 1530         | rBV7     | 8827           | 21537         | 3.14%           | 0.293%        |
| 19        | 6.066       | 1550          | 1563        | 1593         | rBV      | 142589         | 320480        | 46.66%          | 4.354%        |
| 20        | 6.355       | 1646          | 1653        | 1667         | rVB8     | 4629           | 8095          | 1.18%           | 0.110%        |
| 21        | 6.651       | 1733          | 1745        | 1761         | rVB4     | 7489           | 18660         | 2.72%           | 0.253%        |
| 22        | 6.770       | 1769          | 1782        | 1795         | rBV4     | 11369          | 26540         | 3.86%           | 0.361%        |
| 23        | 6.982       | 1830          | 1848        | 1870         | rBV      | 63700          | 129389        | 18.84%          | 1.758%        |
| 24        | 7.262       | 1922          | 1935        | 1939         | rBV9     | 7117           | 13412         | 1.95%           | 0.182%        |
| 25        | 7.313       | 1940          | 1951        | 1969         | rVV      | 241231         | 428824        | 62.43%          | 5.825%        |
| 26        | 7.387       | 1969          | 1974        | 1984         | rVV7     | 5299           | 10417         | 1.52%           | 0.142%        |
| 27        | 7.622       | 2039          | 2047        | 2064         | rVB      | 35528          | 69708         | 10.15%          | 0.947%        |
| 28        | 7.783       | 2092          | 2097        | 2106         | rVB7     | 7062           | 10794         | 1.57%           | 0.147%        |
| 29        | 7.837       | 2106          | 2114        | 2126         | rVB2     | 16859          | 28061         | 4.09%           | 0.381%        |
| 30        | 7.937       | 2136          | 2145        | 2150         | rBV2     | 8347           | 12587         | 1.83%           | 0.171%        |
| 31        | 7.976       | 2150          | 2157        | 2167         | rVB3     | 13671          | 22542         | 3.28%           | 0.306%        |
| 32        | 8.085       | 2180          | 2191        | 2214         | rBV      | 346269         | 656858        | 95.63%          | 8.923%        |
| 33        | 8.226       | 2227          | 2235        | 2247         | rVB      | 8844           | 18614         | 2.71%           | 0.253%        |
| 34        | 8.288       | 2247          | 2254        | 2261         | rBV6     | 5315           | 7323          | 1.07%           | 0.099%        |
| 35        | 8.513       | 2310          | 2324        | 2332         | rBV7     | 7593           | 15359         | 2.24%           | 0.209%        |
| 36        | 8.850       | 2416          | 2429        | 2448         | rBV      | 293850         | 498215        | 72.53%          | 6.768%        |

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 ClientSampleId :  
 F5H32DL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

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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\SFAMVTR092222WMA.M  
 Title : TRACE VOA SFAM1.0

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 9.017  | 2471 | 2481 | 2487 | rBV4 | 5488   | 8088   | 1.18%  | 0.110% |
| 38 | 10.214 | 2841 | 2853 | 2867 | rBV  | 115269 | 183185 | 26.67% | 2.489% |
| 39 | 10.381 | 2890 | 2905 | 2914 | rBV2 | 21328  | 34644  | 5.04%  | 0.471% |
| 40 | 10.538 | 2947 | 2954 | 2964 | rBV2 | 5255   | 7873   | 1.15%  | 0.107% |
| 41 | 10.738 | 3007 | 3016 | 3026 | rBV  | 16916  | 26076  | 3.80%  | 0.354% |
| 42 | 11.085 | 3119 | 3124 | 3137 | rVB3 | 6082   | 9123   | 1.33%  | 0.124% |
| 43 | 11.246 | 3164 | 3174 | 3193 | rBV  | 295965 | 463906 | 67.54% | 6.302% |
| 44 | 11.448 | 3230 | 3237 | 3246 | rBV4 | 6020   | 8499   | 1.24%  | 0.115% |
| 45 | 11.541 | 3253 | 3266 | 3279 | rBV  | 150436 | 232685 | 33.88% | 3.161% |
| 46 | 11.622 | 3279 | 3291 | 3313 | rVB  | 296294 | 484810 | 70.58% | 6.586% |
| 47 | 12.111 | 3433 | 3443 | 3452 | rBV  | 37287  | 59567  | 8.67%  | 0.809% |
| 48 | 12.249 | 3476 | 3486 | 3494 | rBV3 | 5842   | 9948   | 1.45%  | 0.135% |
| 49 | 12.297 | 3494 | 3501 | 3510 | rVB3 | 7663   | 11577  | 1.69%  | 0.157% |
| 50 | 12.548 | 3568 | 3579 | 3590 | rBV3 | 16370  | 25684  | 3.74%  | 0.349% |
| 51 | 13.056 | 3730 | 3737 | 3746 | rVB7 | 5572   | 9161   | 1.33%  | 0.124% |
| 52 | 13.268 | 3794 | 3803 | 3810 | rBV2 | 11736  | 17840  | 2.60%  | 0.242% |
| 53 | 13.332 | 3810 | 3823 | 3828 | rVV3 | 18598  | 37349  | 5.44%  | 0.507% |
| 54 | 13.365 | 3828 | 3833 | 3839 | rVV  | 27903  | 41020  | 5.97%  | 0.557% |
| 55 | 13.397 | 3839 | 3843 | 3852 | rVB  | 15067  | 18933  | 2.76%  | 0.257% |
| 56 | 13.622 | 3905 | 3913 | 3925 | rVB  | 11752  | 17532  | 2.55%  | 0.238% |
| 57 | 13.709 | 3929 | 3940 | 3953 | rVB4 | 11318  | 19576  | 2.85%  | 0.266% |
| 58 | 14.037 | 4031 | 4042 | 4049 | rBV2 | 7629   | 12590  | 1.83%  | 0.171% |
| 59 | 14.085 | 4049 | 4057 | 4069 | rVV4 | 13156  | 24229  | 3.53%  | 0.329% |
| 60 | 14.229 | 4094 | 4102 | 4110 | rVB  | 9314   | 13072  | 1.90%  | 0.178% |
| 61 | 14.284 | 4110 | 4119 | 4128 | rBV3 | 9137   | 14024  | 2.04%  | 0.191% |
| 62 | 14.573 | 4198 | 4209 | 4217 | rBV2 | 12164  | 18976  | 2.76%  | 0.258% |
| 63 | 16.178 | 4701 | 4708 | 4719 | rVB2 | 6901   | 12073  | 1.76%  | 0.164% |

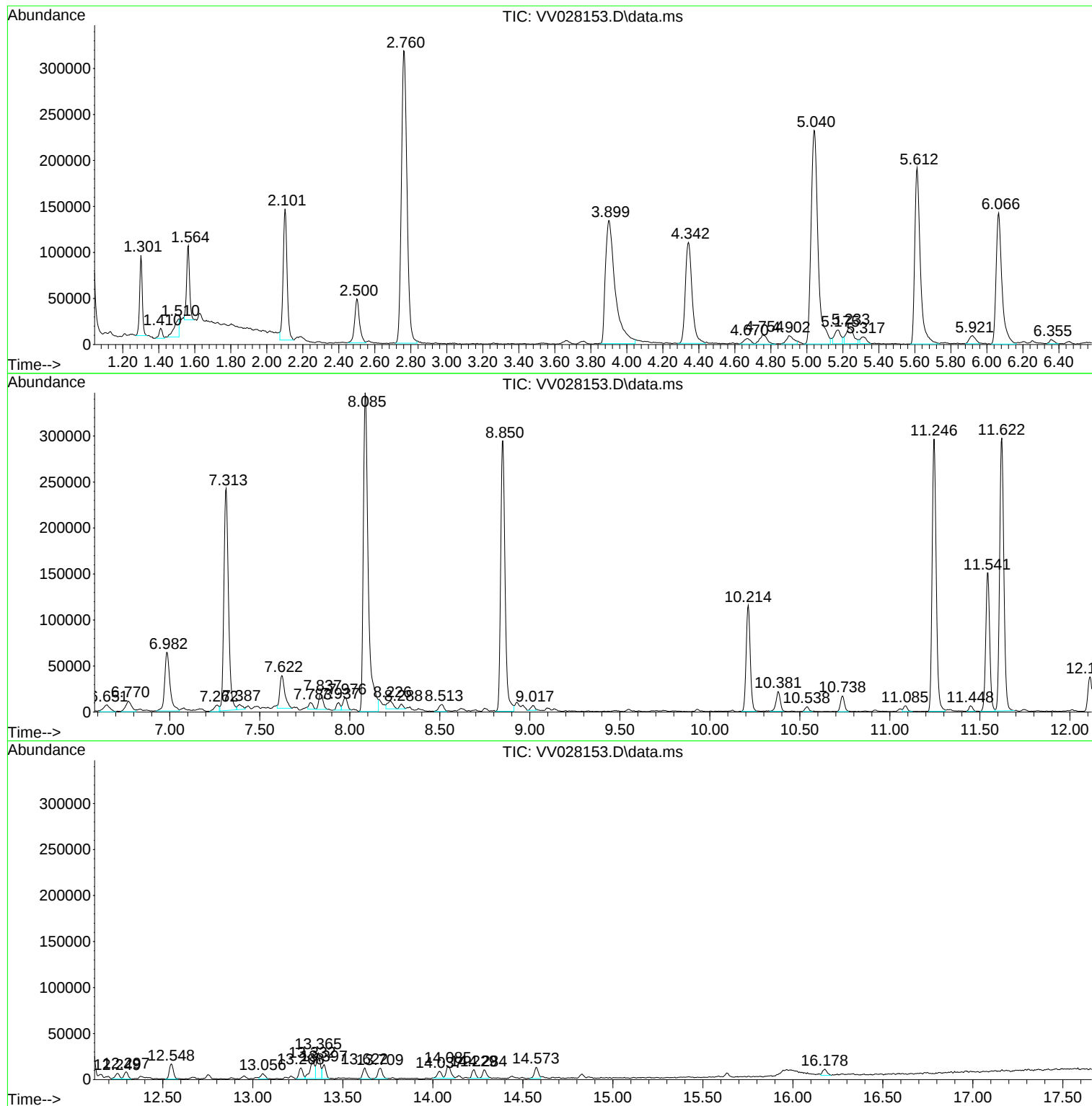
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Sample : N4856-05DL 5X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
F5H32DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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Instrument :  
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ClientSampleId :  
F5H32DL

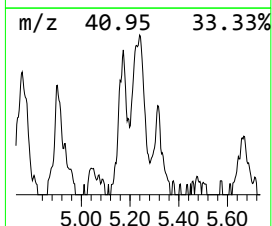
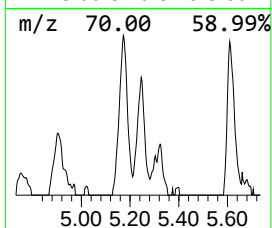
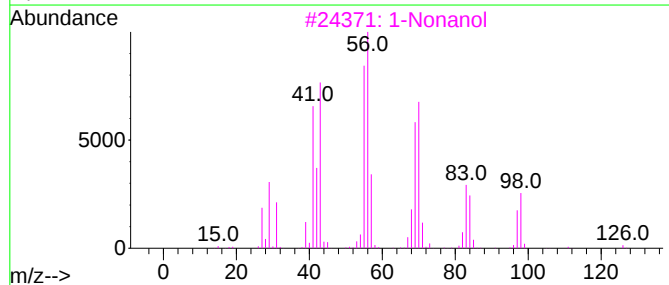
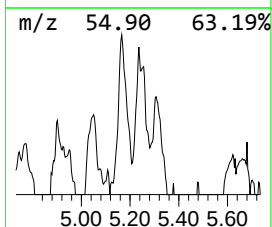
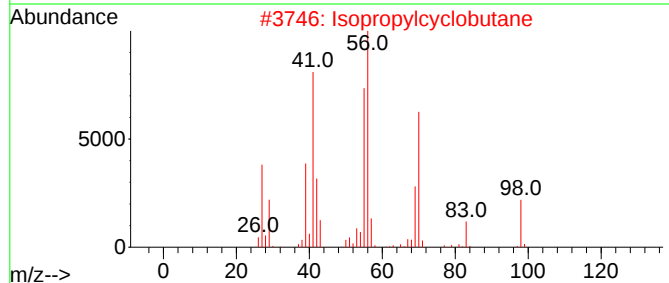
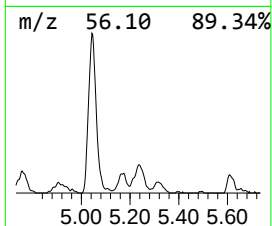
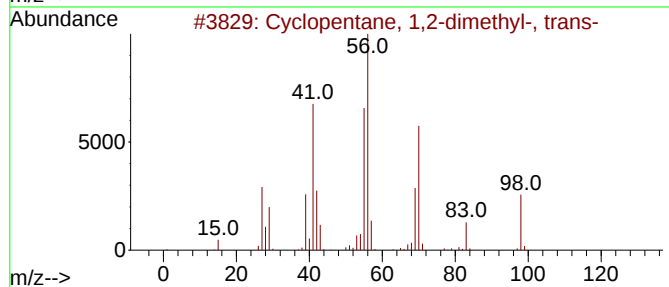
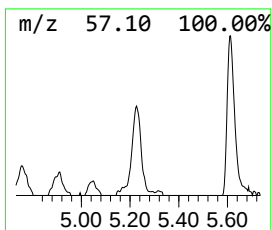
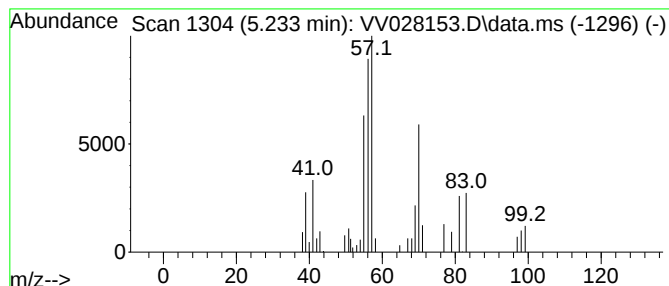
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 1 (DEL) Alkane: Cyclic5.233 Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.233 | 0.61 ug/L | 50100 | 1,4-Difluorobenzene | 5.612 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Cyclopentane, 1,2-dimethyl-, trans- | 98  | C7H14   | 000822-50-4 | 50   |
| 2    |      | Isopropylcyclobutane                | 98  | C7H14   | 000872-56-0 | 50   |
| 3    |      | 1-Nonanol                           | 144 | C9H20O  | 000143-08-8 | 45   |
| 4    |      | 1-Nonanol                           | 144 | C9H20O  | 000143-08-8 | 45   |
| 5    |      | 1-Heptene                           | 98  | C7H14   | 000592-76-7 | 43   |



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MSVOA\_V  
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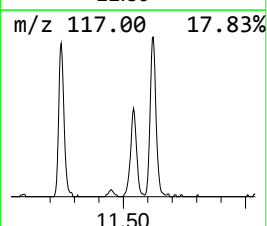
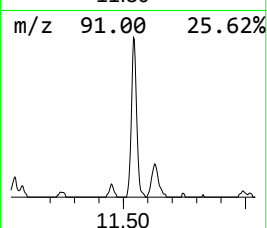
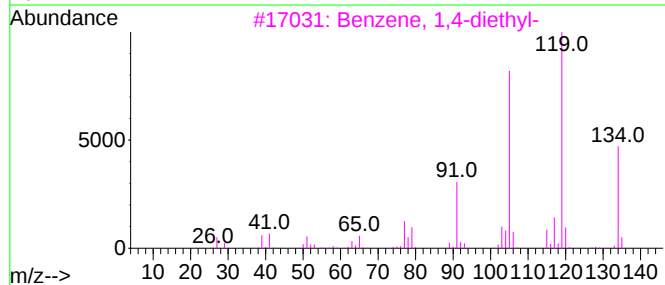
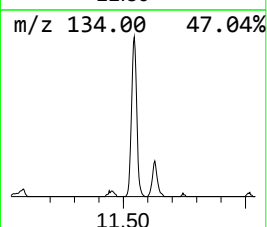
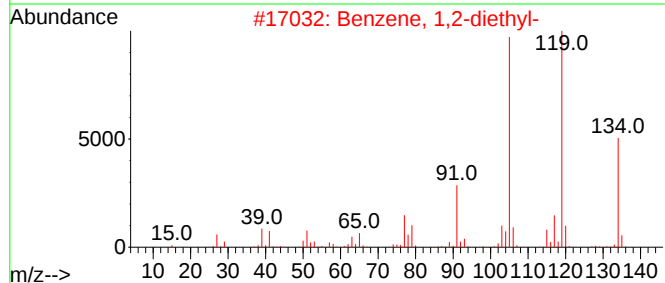
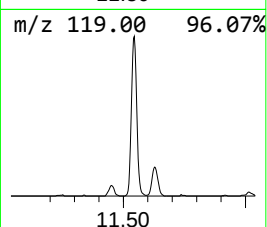
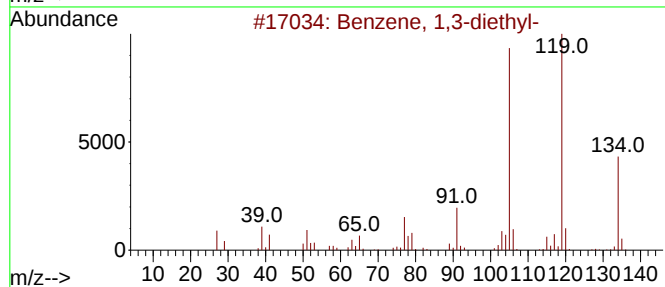
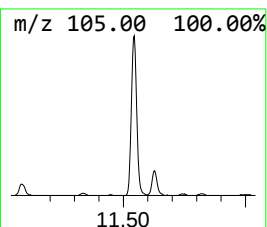
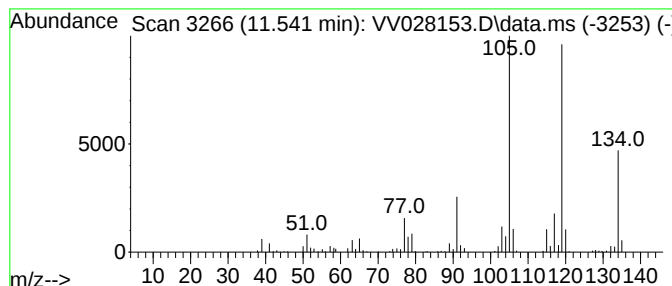
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 3 Benzene, 1,3-diethyl- Concentration Rank 1

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 11.541 | 2.51 ug/L | 232685 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,3-diethyl- | 134 | C10H14  | 000141-93-5 | 97   |
| 2    |    |   | Benzene, 1,2-diethyl- | 134 | C10H14  | 000135-01-3 | 96   |
| 3    |    |   | Benzene, 1,4-diethyl- | 134 | C10H14  | 000105-05-5 | 96   |
| 4    |    |   | Benzene, 1,3-diethyl- | 134 | C10H14  | 000141-93-5 | 95   |
| 5    |    |   | Benzene, 1,3-diethyl- | 134 | C10H14  | 000141-93-5 | 94   |



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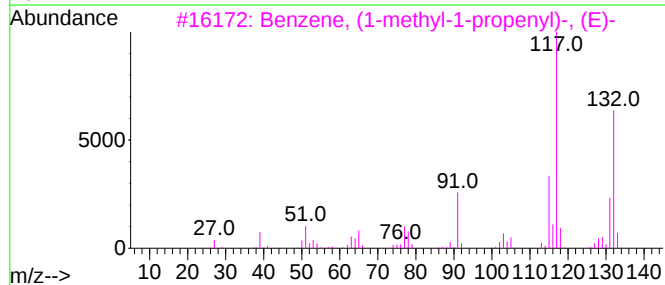
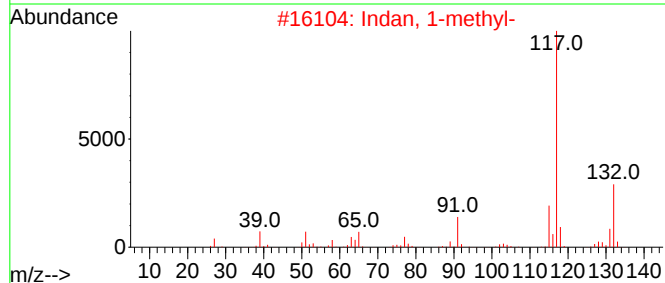
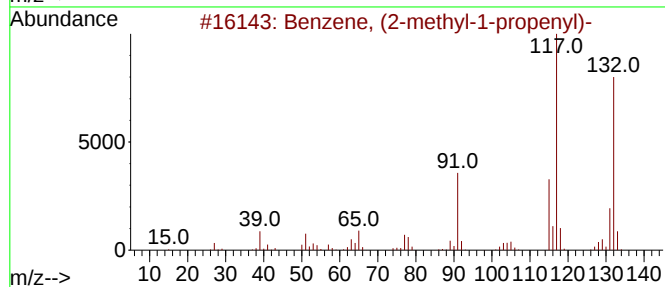
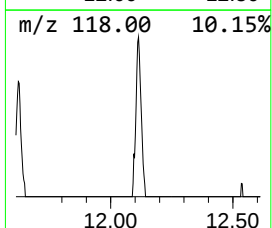
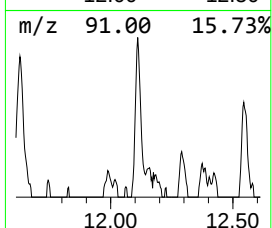
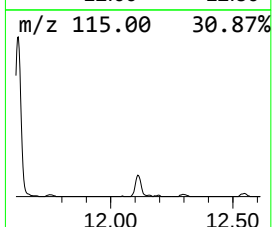
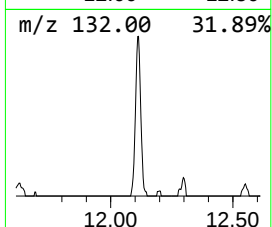
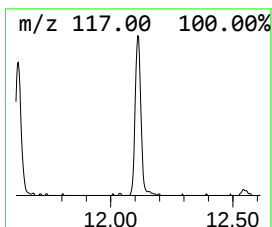
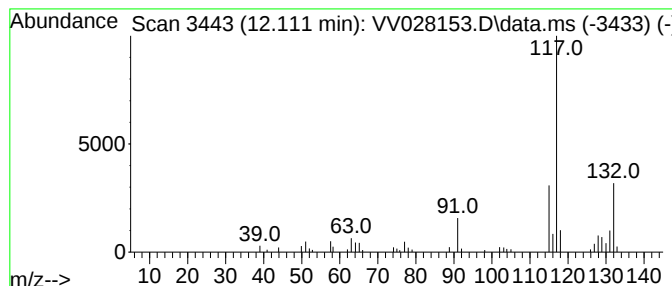
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
Quant Title : TRACE VOA SFAM1.0

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

\*\*\*\*\*  
Peak Number 4 Benzene, (2-methyl-1-propenyl)- Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.111 | 0.64 ug/L | 59567 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (2-methyl-1-propenyl)-     | 132 | C10H12  | 000768-49-0 | 86   |
| 2    |    |   | Indan, 1-methyl-                    | 132 | C10H12  | 000767-58-8 | 81   |
| 3    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 78   |
| 4    |    |   | Benzene, (2-methyl-2-propenyl)-     | 132 | C10H12  | 003290-53-7 | 78   |
| 5    |    |   | 1-Methyl-2-phenylcyclopropane       | 132 | C10H12  | 003145-76-4 | 74   |



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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| (DEL) Alkane: C... | 5.233  | 0.6     | ug/L  | 50100    | 1                     | 5.612  | 410854 | 5.0  |
| Benzene, 1,3-di... | 11.541 | 2.5     | ug/L  | 232685   | 3                     | 11.246 | 463906 | 5.0  |
| Benzene, (2-met... | 12.111 | 0.6     | ug/L  | 59567    | 3                     | 11.246 | 463906 | 5.0  |