

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041024\  
 Data File : VU058583.D  
 Acq On : 11 Apr 2024 02:37  
 Operator : MD/SY  
 Sample : P2014-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E0MD3

Quant Time: Apr 11 03:01:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 11 02:34:51 2024  
 Response via : Initial Calibration

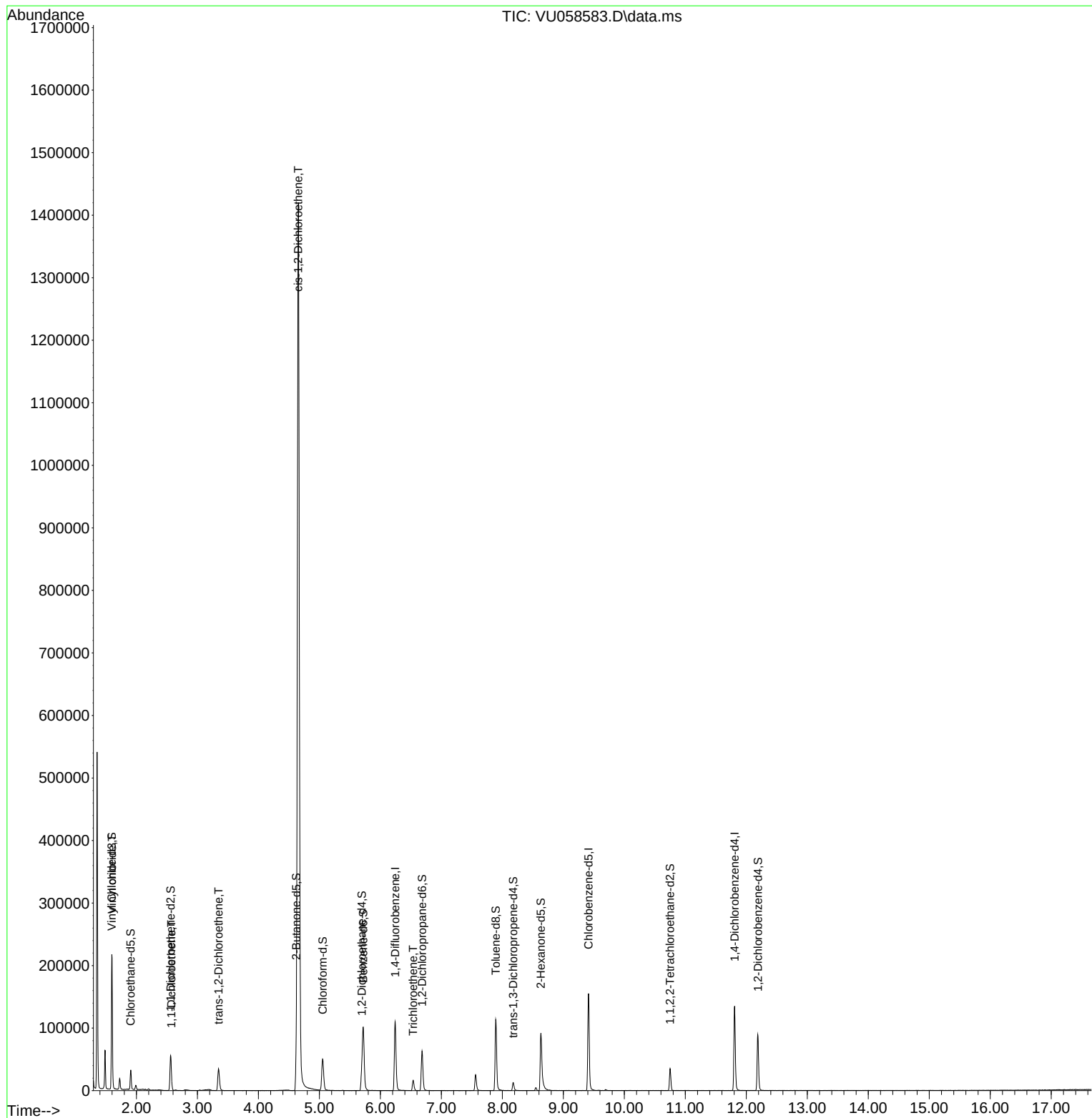
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 86411    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 83684    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 34984    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 23626    | 4.130    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 82.600%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 21340    | 4.292    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 10675    | 4.123    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 82.400%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 46747    | 38.774   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 77.540%  |
| 24) Chloroform-d              | 5.052  | 84    | 46951    | 4.111    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 22964    | 4.309    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.200%  |
| 32) Benzene-d6                | 5.718  | 84    | 93953    | 4.170    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 83.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 29691    | 4.202    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 84.000%  |
| 41) Toluene-d8                | 7.891  | 98    | 76801    | 3.844    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 76.800%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 8155     | 3.718    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 74.400%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 32188    | 35.582   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 71.160%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 18259    | 3.661    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 73.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 23539    | 3.995    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 79.800%# |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.599  | 62    | 102376   | 11.629   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 1770     | 0.289    | ug/L # | 1        |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 14123    | 2.200    | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 684844   | 95.016   | ug/L   | 95       |
| 34) Trichloroethene           | 6.538  | 95    | 5889     | 0.770    | ug/L   | 92       |
| -----                         |        |       |          |          |        |          |

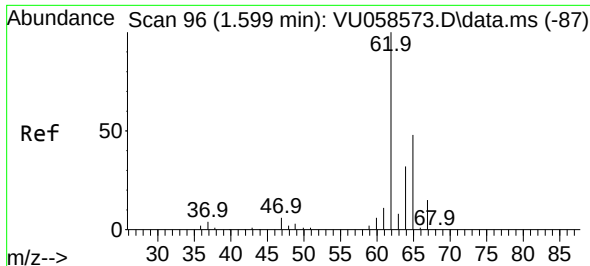
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
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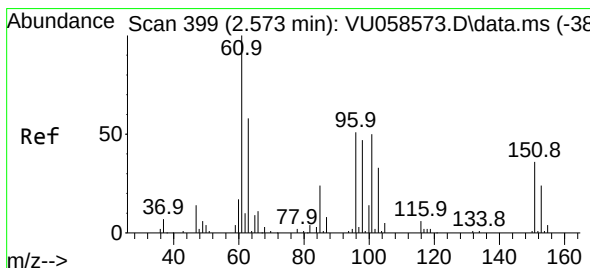
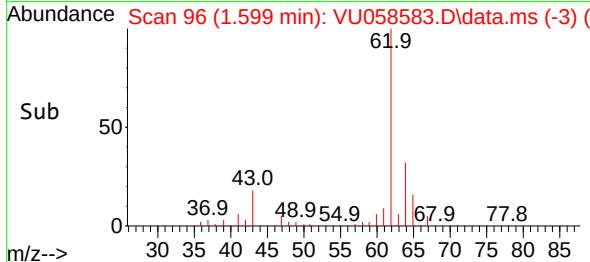
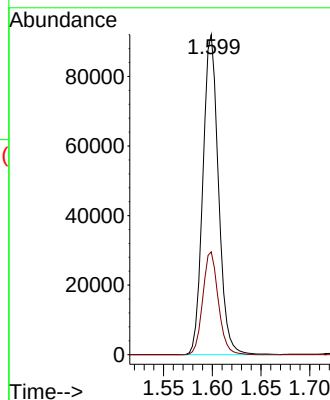
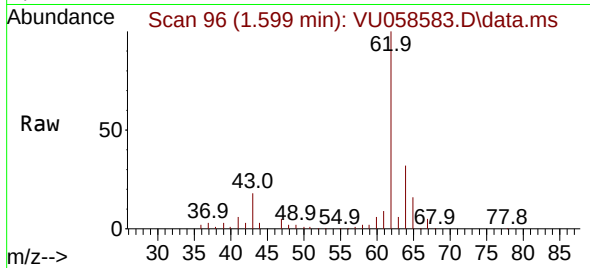




#5  
 Vinyl chloride  
 Concen: 11.629 ug/L  
 RT: 1.599 min Scan# 96  
 Delta R.T. 0.000 min  
 Lab File: VU058583.D  
 Acq: 11 Apr 2024 02:37

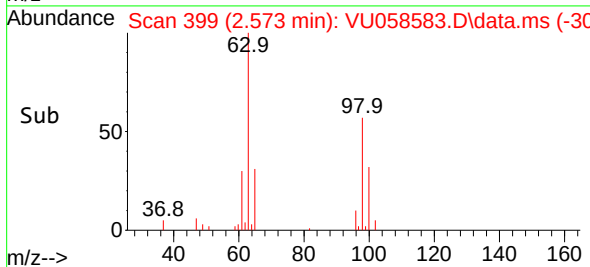
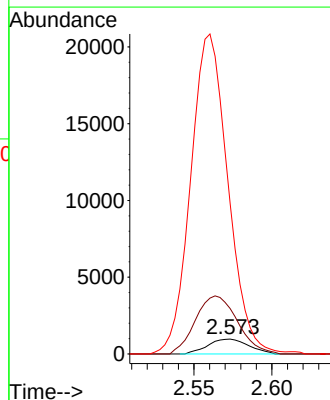
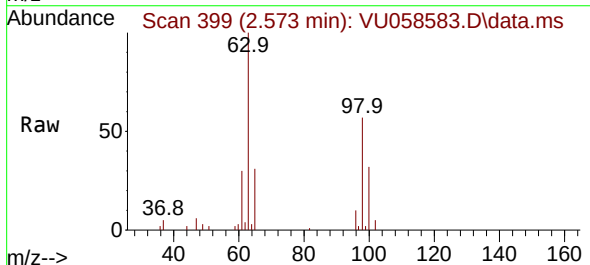
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E0MD3

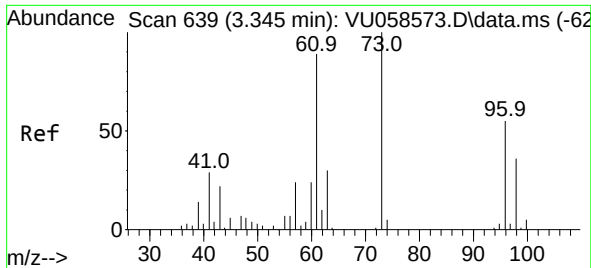
Tgt Ion: 62 Resp: 102376  
 Ion Ratio Lower Upper  
 62 100  
 64 32.1 22.6 42.0



#12  
 1,1-Dichloroethene  
 Concen: 0.289 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. 0.000 min  
 Lab File: VU058583.D  
 Acq: 11 Apr 2024 02:37

Tgt Ion: 96 Resp: 1770  
 Ion Ratio Lower Upper  
 96 100  
 61 264.3 132.5 246.1#  
 63 876.5 87.7 162.9#

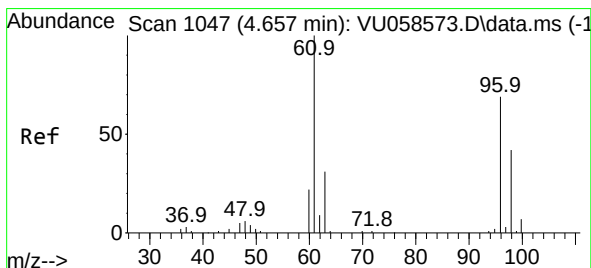
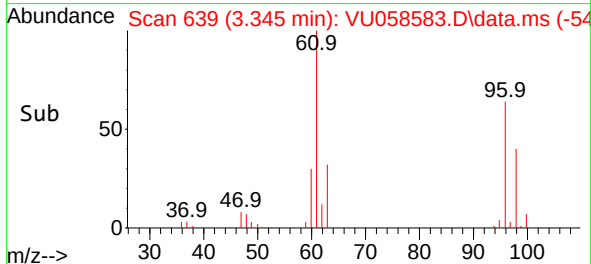
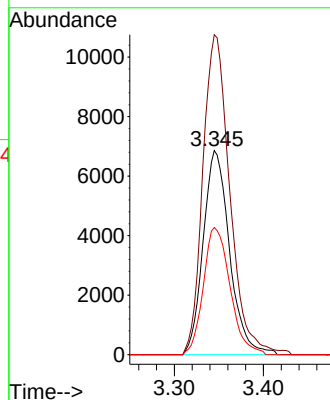
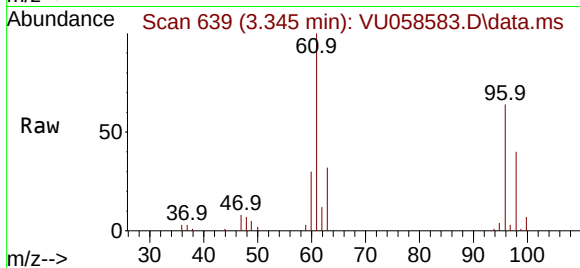




#18  
trans-1,2-Dichloroethene  
Concen: 2.200 ug/L  
RT: 3.345 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU058583.D  
Acq: 11 Apr 2024 02:37

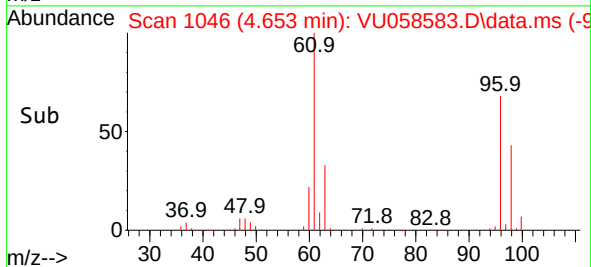
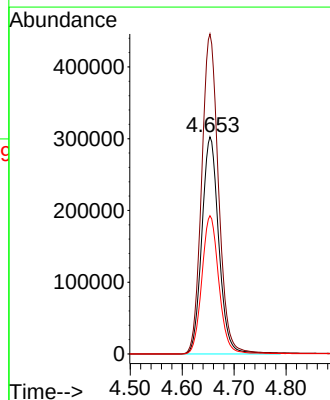
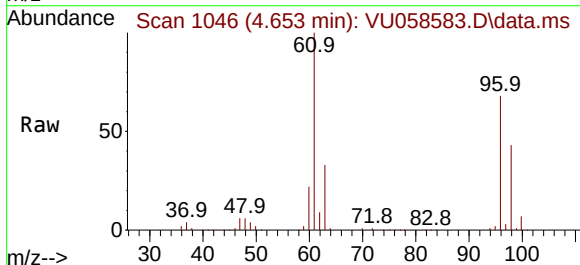
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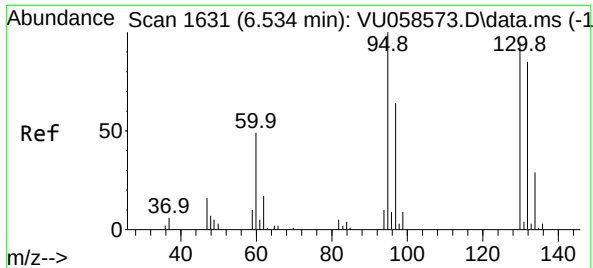
Tgt Ion: 96 Resp: 14123  
Ion Ratio Lower Upper  
96 100  
61 156.7 107.6 199.8  
98 62.3 45.1 83.7



#22  
cis-1,2-Dichloroethene  
Concen: 95.016 ug/L  
RT: 4.653 min Scan# 1046  
Delta R.T. -0.003 min  
Lab File: VU058583.D  
Acq: 11 Apr 2024 02:37

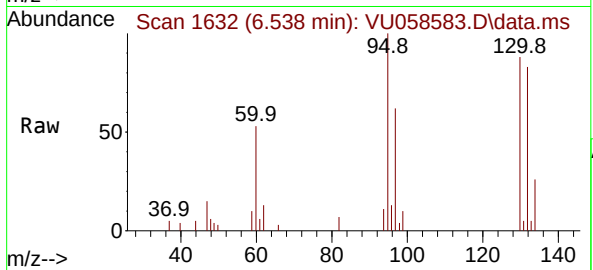
Tgt Ion: 96 Resp: 684844  
Ion Ratio Lower Upper  
96 100  
61 147.4 98.1 182.3  
98 63.7 43.6 81.0





#34  
 Trichloroethene  
 Concen: 0.770 ug/L  
 RT: 6.538 min Scan# 1  
 Delta R.T. 0.003 min  
 Lab File: VU058583.D  
 Acq: 11 Apr 2024 02:37

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E0MD3



Tgt Ion: 95 Resp: 5889

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.0  | 45.6  | 84.6  |
| 132 | 82.7  | 64.8  | 120.3 |
| 130 | 87.7  | 68.0  | 126.2 |

