

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW120621\  
 Data File : VW023804.D  
 Acq On : 06 Dec 2021 17:44  
 Operator : SY/MD  
 Sample : M4879-12  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0G69

Quant Time: Dec 07 05:33:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 02 02:08:23 2021  
 Response via : Initial Calibration

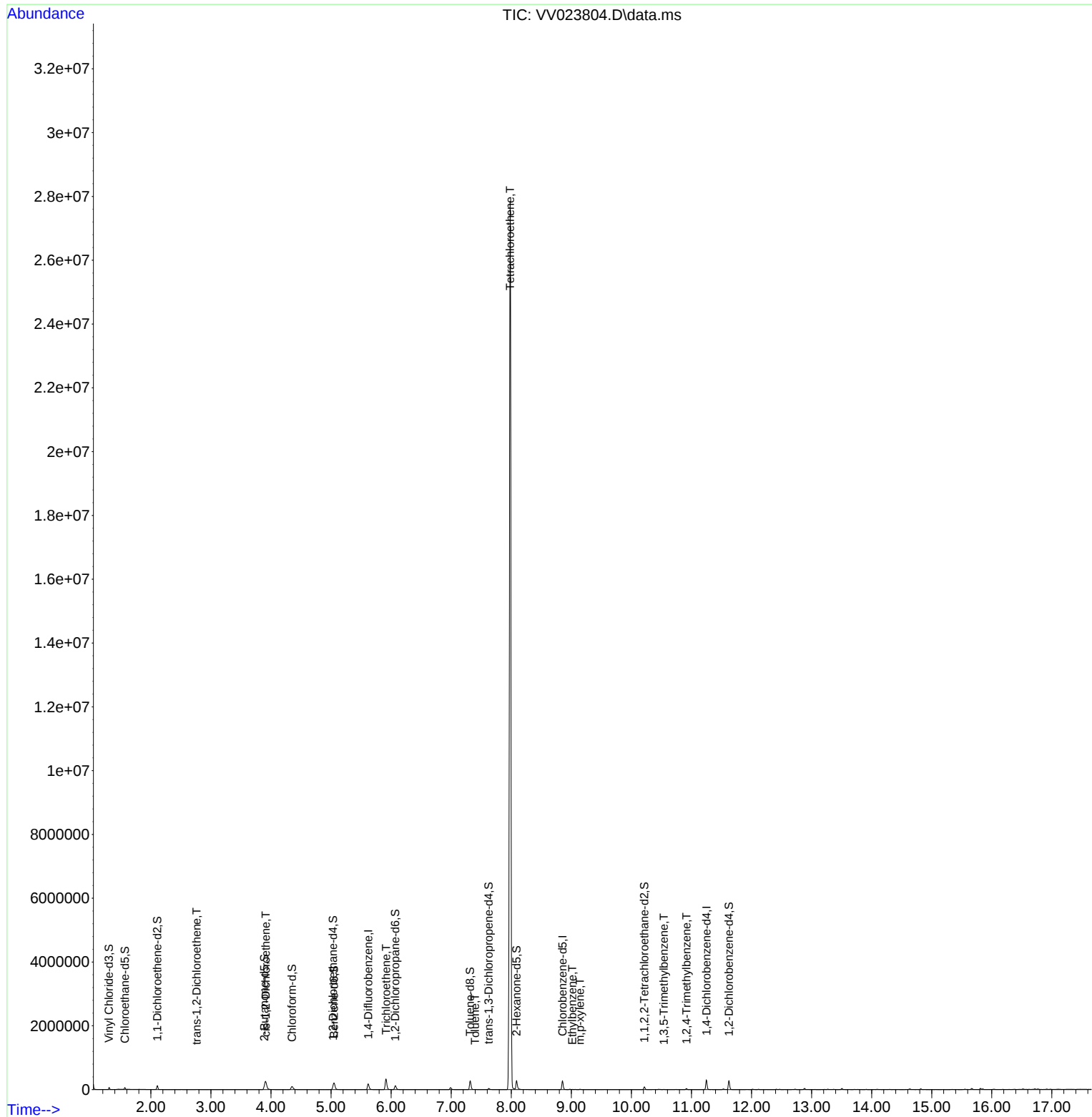
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 161850   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 154637   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 79785    | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 38983    | 2.934    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 58.600%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 32751    | 3.136    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 62.800%# |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 61623    | 2.632    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 52.600%# |
| 20) 2-Butanone-d5             | 3.889  | 46    | 103619   | 64.873   | ug/L  | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 129.740% |
| 24) Chloroform-d              | 4.349  | 84    | 97556    | 4.217    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 84.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 47712    | 4.414    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 88.200%  |
| 32) Benzene-d6                | 5.050  | 84    | 193990   | 4.605    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 92.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 57537    | 4.872    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 97.400%  |
| 41) Toluene-d8                | 7.317  | 98    | 182667   | 4.641    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 92.800%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 22853    | 4.801    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 96.000%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 97128    | 61.413   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 122.820% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 40153    | 4.725    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 94.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 74688    | 5.295    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 105.800% |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       |          |
| 18) trans-1,2-Dichloroethene  | 2.764  | 96    | 1808     | 0.146    | ug/L  | 97       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 127749   | 10.785   | ug/L  | 98       |
| 34) Trichloroethene           | 5.915  | 95    | 115073   | 9.744    | ug/L  | 98       |
| 42) Toluene                   | 7.400  | 91    | 3815     | 0.080    | ug/L  | 93       |
| 47) Tetrachloroethene         | 7.982  | 164   | 6188307  | 575.701  | ug/L  | 96       |
| 52) Ethylbenzene              | 9.017  | 91    | 5873     | 0.118    | ug/L  | 92       |
| 53) m,p-xylene                | 9.143  | 106   | 3526     | 0.177    | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.541 | 105   | 4056     | 0.102    | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105   | 17430    | 0.445    | ug/L  | 98       |
| -----                         |        |       |          |          |       |          |

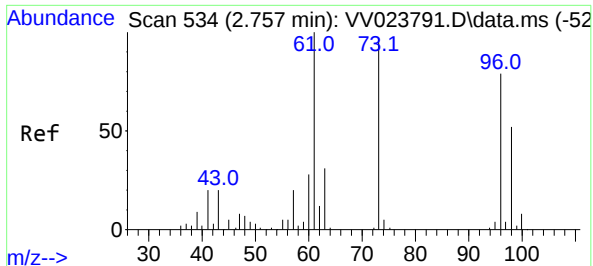
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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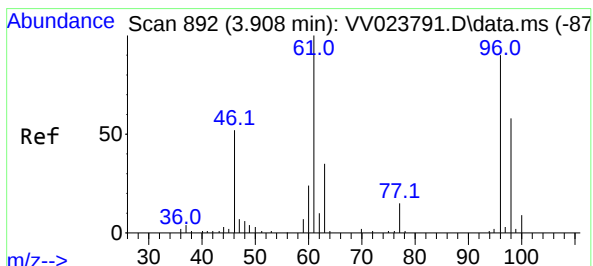
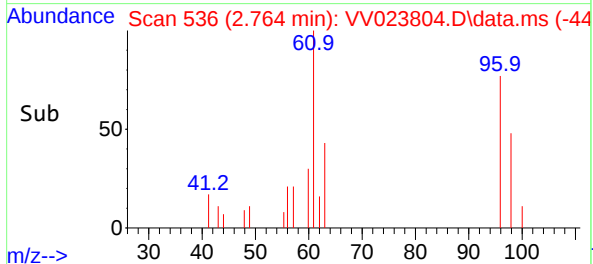
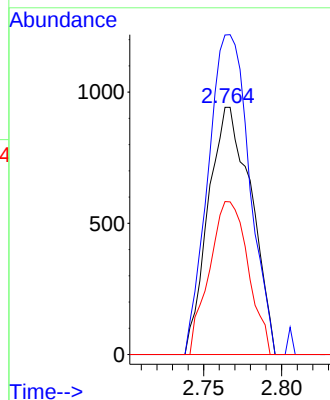
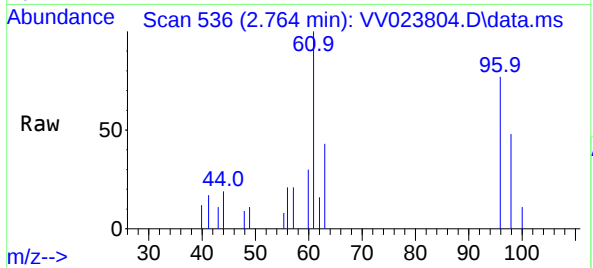




#18  
trans-1,2-Dichloroethene  
Concen: 0.146 ug/L  
RT: 2.764 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VV023804.D  
Acq: 06 Dec 2021 17:44

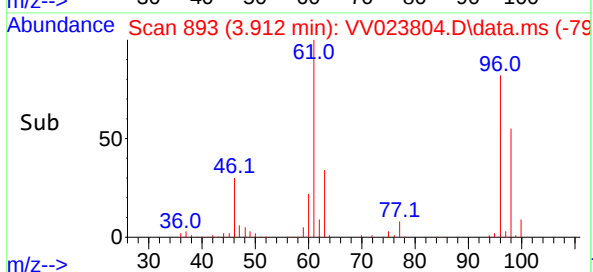
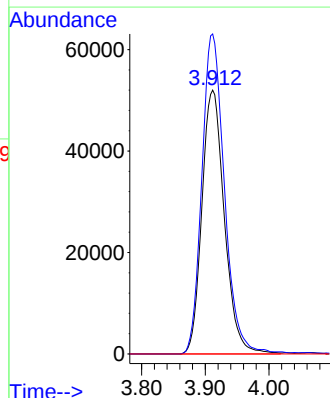
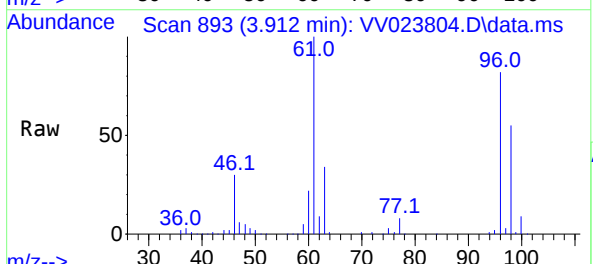
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0G69

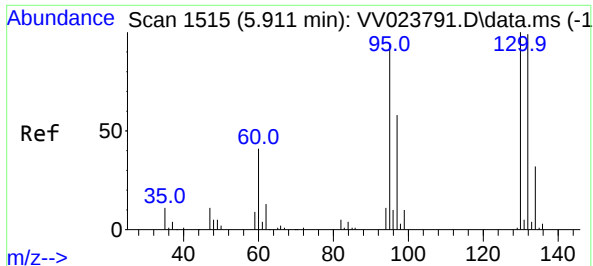
Tgt Ion: 96 Resp: 1808  
Ion Ratio Lower Upper  
96 100  
61 129.3 88.2 163.8  
98 61.9 44.9 83.5



#22  
cis-1,2-Dichloroethene  
Concen: 10.785 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. 0.003 min  
Lab File: VV023804.D  
Acq: 06 Dec 2021 17:44

Tgt Ion: 96 Resp: 127749  
Ion Ratio Lower Upper  
96 100  
61 121.3 83.4 154.8  
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 9.744 ug/L

RT: 5.915 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV023804.D

Acq: 06 Dec 2021 17:44

Instrument :

MSVOA\_V

ClientSampleId :

C0G69

Tgt Ion: 95 Resp: 115073

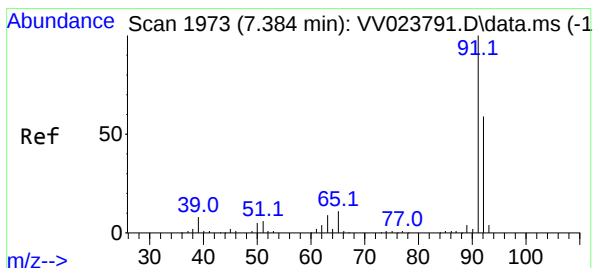
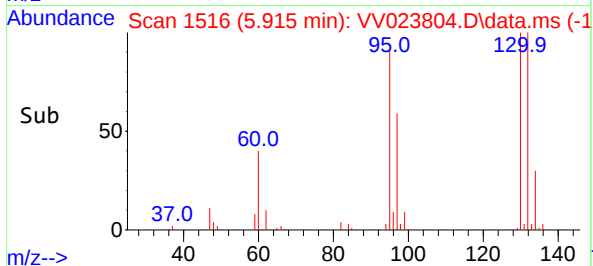
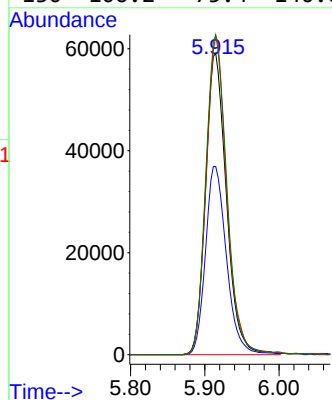
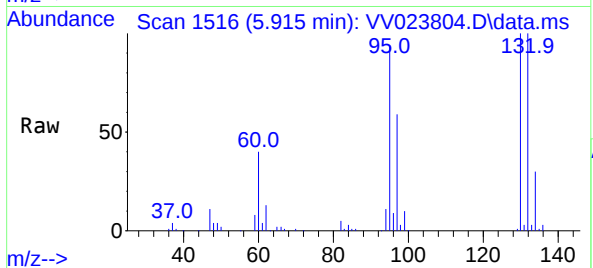
Ion Ratio Lower Upper

95 100

97 62.4 45.2 84.0

132 105.8 76.1 141.3

130 106.2 75.4 140.0



#42

Toluene

Concen: 0.080 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.016 min

Lab File: VV023804.D

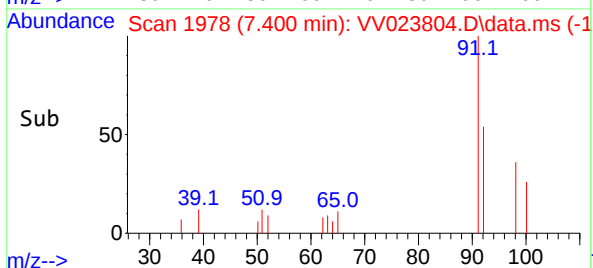
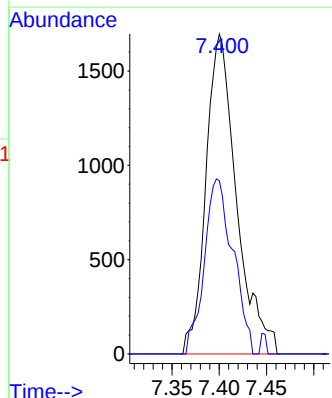
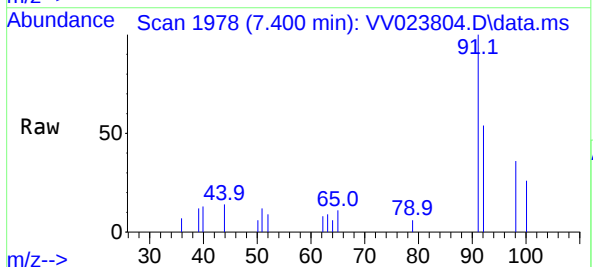
Acq: 06 Dec 2021 17:44

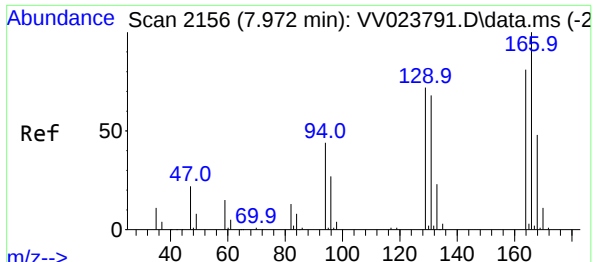
Tgt Ion: 91 Resp: 3815

Ion Ratio Lower Upper

91 100

92 54.1 41.5 77.1



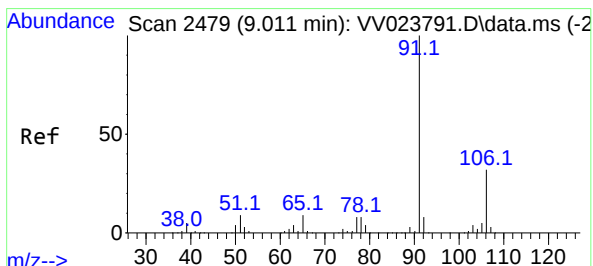
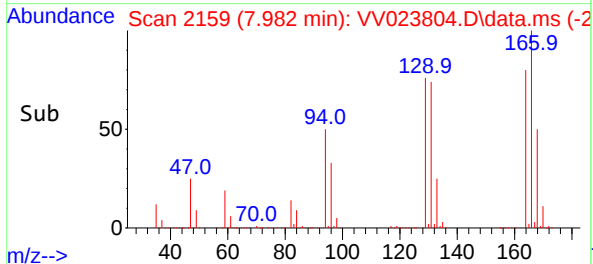
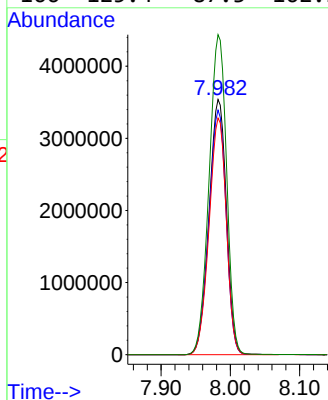
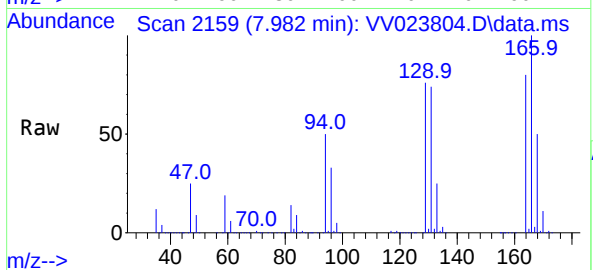


#47  
Tetrachloroethene  
Concen: 575.701 ug/L  
RT: 7.982 min Scan# 2156  
Delta R.T. 0.010 min  
Lab File: VV023804.D  
Acq: 06 Dec 2021 17:44

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0G69

Tgt Ion:164 Resp: 6188307

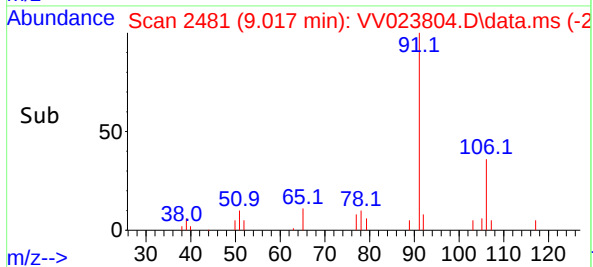
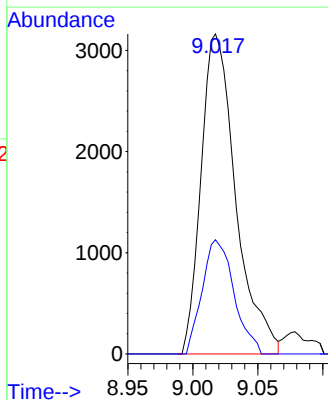
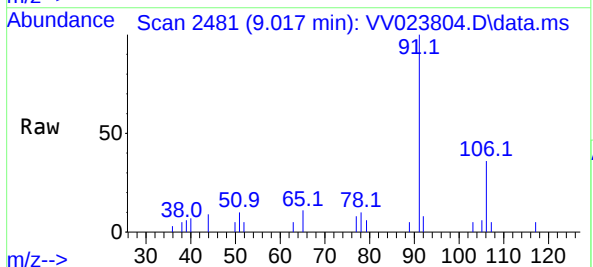
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 95.8  | 62.6  | 116.2 |
| 131 | 92.7  | 61.0  | 113.4 |
| 166 | 125.4 | 87.3  | 162.1 |

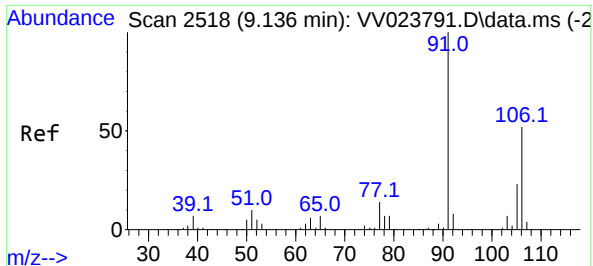


#52  
Ethylbenzene  
Concen: 0.118 ug/L  
RT: 9.017 min Scan# 2481  
Delta R.T. 0.006 min  
Lab File: VV023804.D  
Acq: 06 Dec 2021 17:44

Tgt Ion: 91 Resp: 5873

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 35.7  | 22.0  | 41.0  |

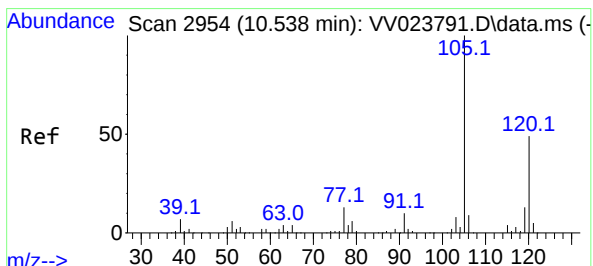
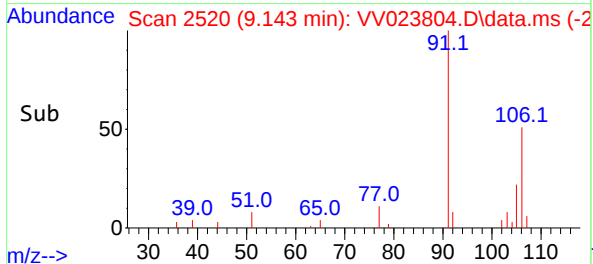
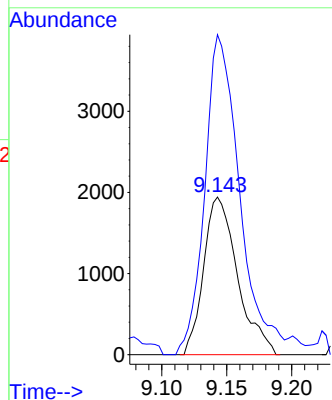
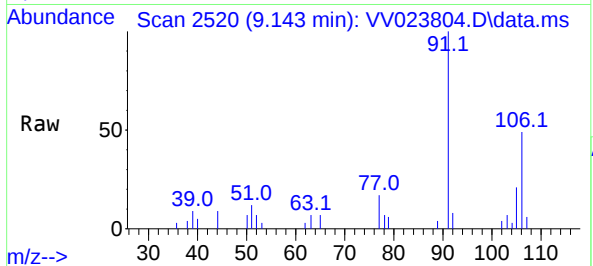




#53  
m,p-xylene  
Concen: 0.177 ug/L  
RT: 9.143 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VV023804.D  
Acq: 06 Dec 2021 17:44

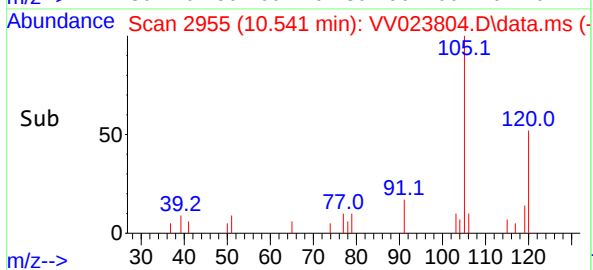
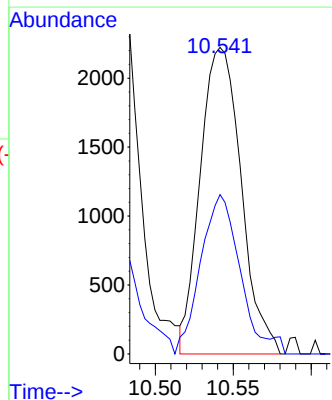
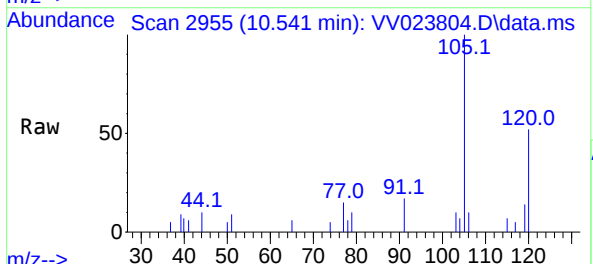
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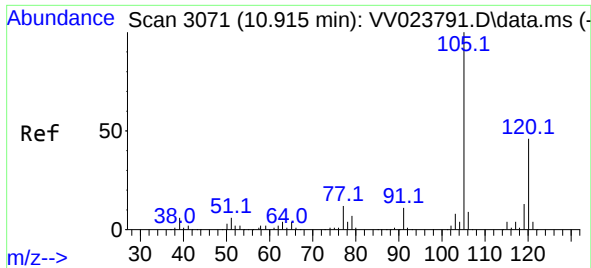
Tgt Ion:106 Resp: 3526  
Ion Ratio Lower Upper  
106 100  
91 203.1 139.5 259.1



#62  
1,3,5-Trimethylbenzene  
Concen: 0.102 ug/L  
RT: 10.541 min Scan# 2955  
Delta R.T. 0.003 min  
Lab File: VV023804.D  
Acq: 06 Dec 2021 17:44

Tgt Ion:105 Resp: 4056  
Ion Ratio Lower Upper  
105 100  
120 50.2 40.1 60.1





#63  
1,2,4-Trimethylbenzene  
Concen: 0.445 ug/L  
RT: 10.918 min Scan# 3072  
Delta R.T. 0.006 min  
Lab File: VV023804.D  
Acq: 06 Dec 2021 17:44

Instrument :  
MSVOA\_V  
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Tgt Ion:105 Resp: 17430  
Ion Ratio Lower Upper  
105 100  
120 44.7 36.7 55.1

