

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW043021\  
 Data File : VW018872.D  
 Acq On : 30 Apr 2021 11:30  
 Operator : SY/VA  
 Sample : M2192-01RE  
 Misc : 4.19G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Apr 30 22:54:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM042921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 30 22:53:19 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 604819   | 25.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 414404   | 25.00    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 132600   | 25.00    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 191659   | 24.70    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.80%   |
| 7) Chloroethane-d5            | 2.892  | 69    | 157566   | 26.21    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 104.84%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 282869   | 18.36    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 73.44%   |
| 21) 2-Butanone-d5             | 7.086  | 46    | 90533    | 44.80    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 89.60%   |
| 24) Chloroform-d              | 7.653  | 84    | 376477   | 23.72    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 94.88%   |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 213375   | 24.06    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 96.24%   |
| 32) Benzene-d6                | 8.275  | 84    | 746703   | 31.89    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 127.56%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 220575   | 31.75    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 127.00%# |
| 41) Toluene-d8                | 10.323 | 98    | 625366   | 28.64    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 114.56%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 82171    | 26.03    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 104.12%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 77948    | 62.67    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 125.34%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 136056   | 23.12    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 92.48%   |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 107141   | 23.58    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 94.32%   |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 4.135  | 43    | 52575    | 33.96    | ug/L   | 90       |
| 14) Carbon disulfide          | 4.385  | 76    | 11170    | 0.48     | ug/L   | 95       |
| 16) Methylene chloride        | 4.916  | 84    | 31123    | 3.11     | ug/L   | 94       |
| 22) 2-Butanone                | 7.177  | 43    | 26694    | 12.44    | ug/L   | 99       |
| 29) Cyclohexane               | 7.958  | 56    | 4258     | 0.43     | ug/L   | 95       |
| 33) Benzene                   | 8.330  | 78    | 32668    | 1.32     | ug/L   | 100      |
| 35) Methylcyclohexane         | 9.335  | 83    | 64632    | 5.55     | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 10.030 | 75    | 6218     | 0.65     | ug/L # | 71       |
| 42) Toluene                   | 10.390 | 91    | 20804    | 0.76     | ug/L   | 94       |
| 48) 2-Hexanone                | 10.933 | 43    | 182457   | 75.42    | ug/L # | 26       |
| 52) Ethylbenzene              | 11.731 | 91    | 12428    | 0.41     | ug/L   | 96       |
| 53) m,p-Xylene                | 11.841 | 106   | 6786     | 0.60     | ug/L   | 100      |
| 54) o-Xylene                  | 12.164 | 106   | 30985    | 2.89     | ug/L   | 87       |
| 57) 1,1,2,2-Tetrachloroethane | 12.695 | 83    | 29885    | 5.20     | ug/L # | 94       |
| 60) Isopropylbenzene          | 13.103 | 105   | 204205   | 10.79    | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105   | 14737    | 0.93     | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105   | 46206    | 2.92     | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.420 | 75    | 1188     | 1.99     | ug/L # | 39       |
| 71) Naphthalene               | 15.365 | 128   | 623013   | 61.75    | ug/L   | 98       |

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Sample : M2192-01RE  
Misc : 4.19G/10ML/MSVOA\_W/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Apr 30 22:54:25 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM042921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Apr 30 22:53:19 2021  
Response via : Initial Calibration

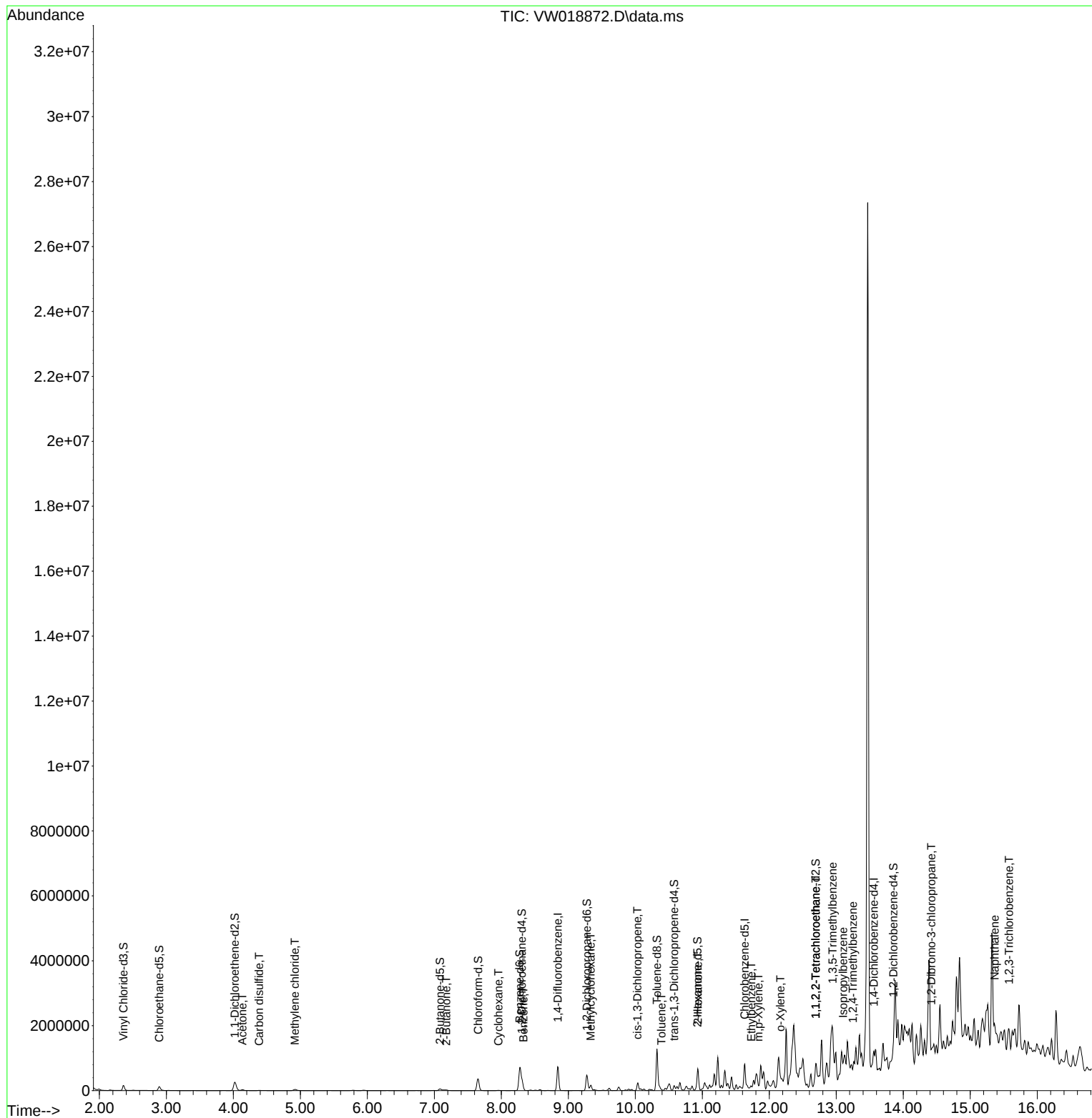
| Compound                   | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|----------------------------|--------|------|----------|------|--------|----------|
| 72) 1,2,3-Trichlorobenzene | 15.578 | 180  | 8866     | 2.10 | ug/L # | 71       |

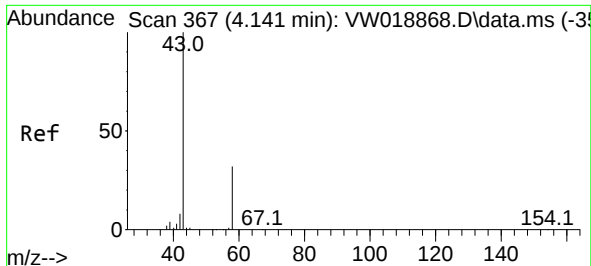
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 30 22:54:25 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM042921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Apr 30 22:53:19 2021  
Response via : Initial Calibration

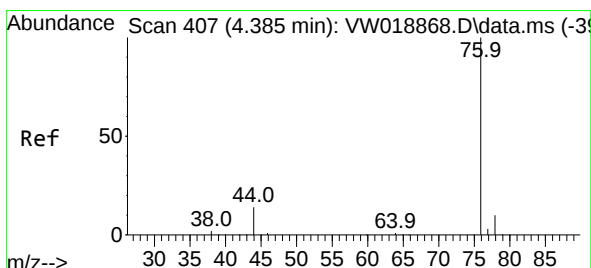
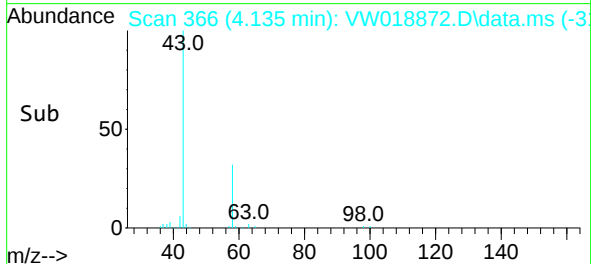
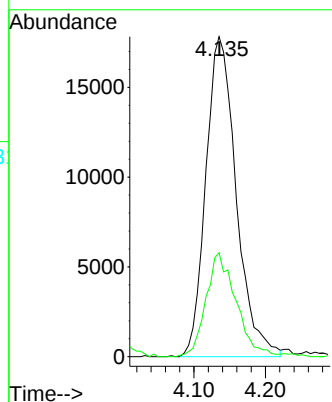
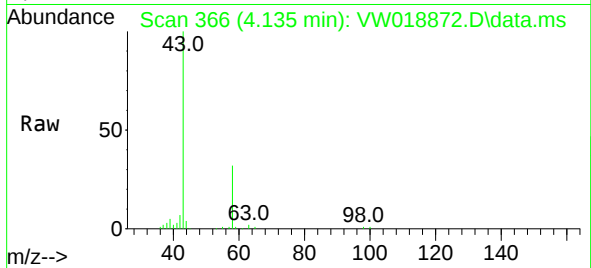




#13  
Acetone  
Concen: 33.96 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. -0.006 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

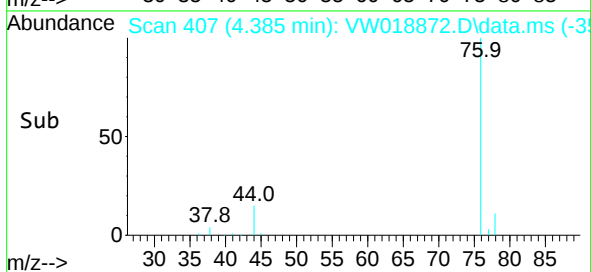
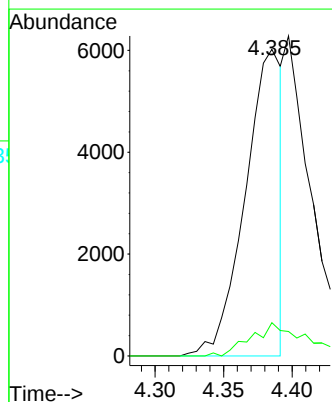
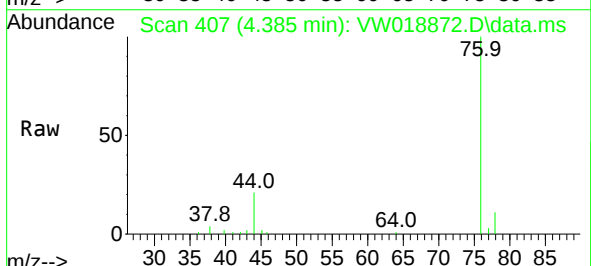
Instrument :  
MSVOA\_W  
ClientSampled :

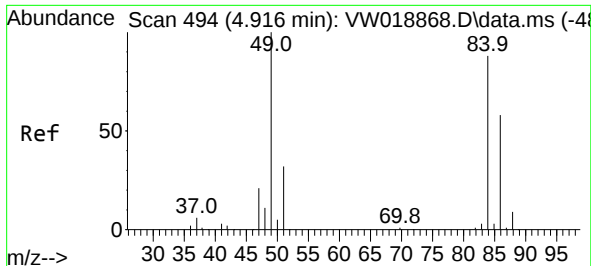
Tgt Ion: 43 Resp: 52575  
Ion Ratio Lower Upper  
43 100  
58 32.0 0.0 53.8



#14  
Carbon disulfide  
Concen: 0.48 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

Tgt Ion: 76 Resp: 11170  
Ion Ratio Lower Upper  
76 100  
78 10.8 7.4 11.0

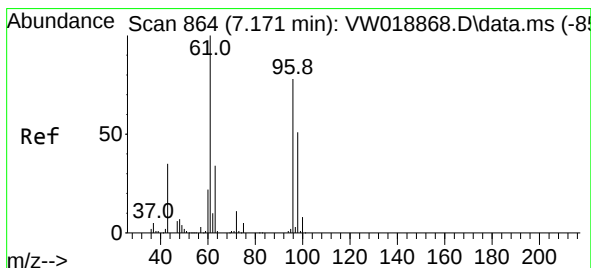
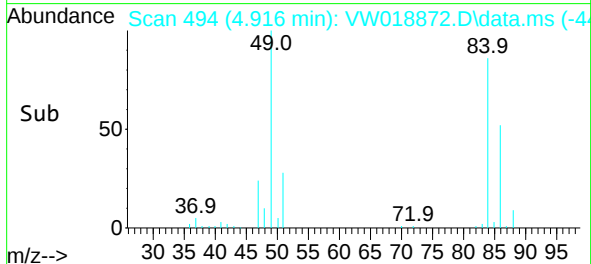
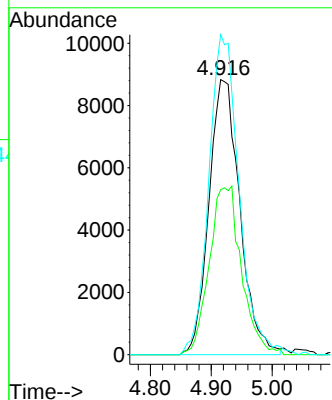
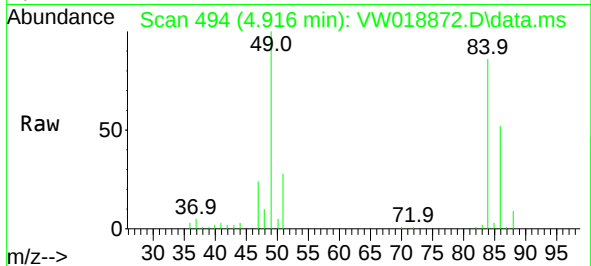




#16  
Methylene chloride  
Concen: 3.11 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. -0.000 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

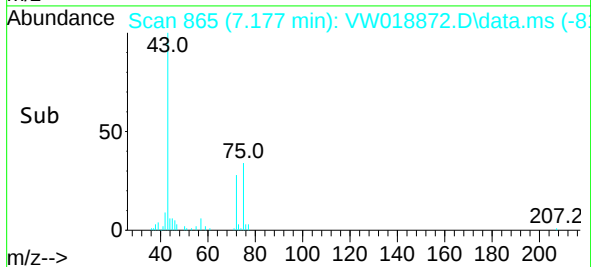
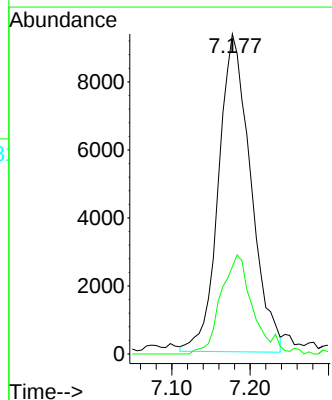
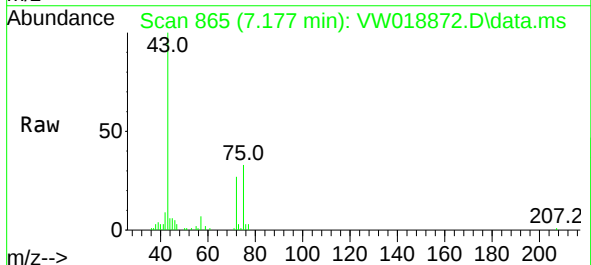
Instrument :  
MSVOA\_W  
ClientSampled :

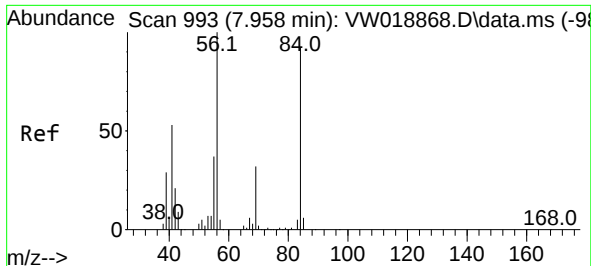
Tgt Ion: 84 Resp: 31123  
Ion Ratio Lower Upper  
84 100  
86 60.0 45.3 84.1  
49 116.4 86.6 160.8



#22  
2-Butanone  
Concen: 12.44 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. 0.006 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

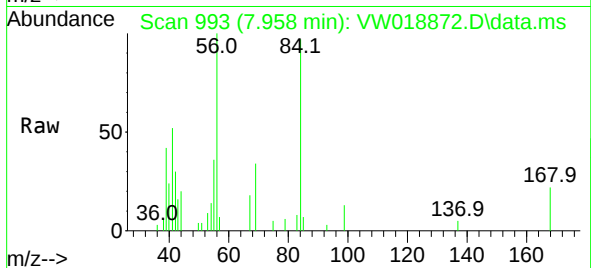
Tgt Ion: 43 Resp: 26694  
Ion Ratio Lower Upper  
43 100  
72 29.4 14.9 44.7



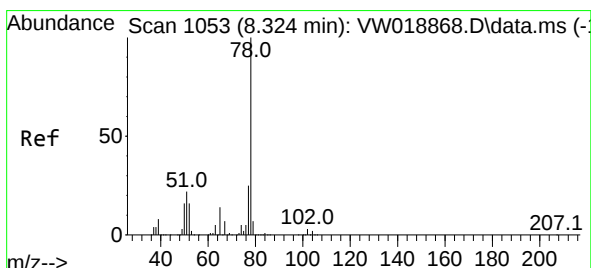
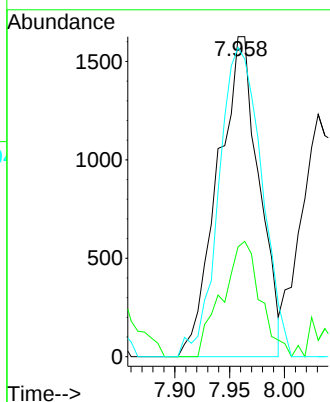
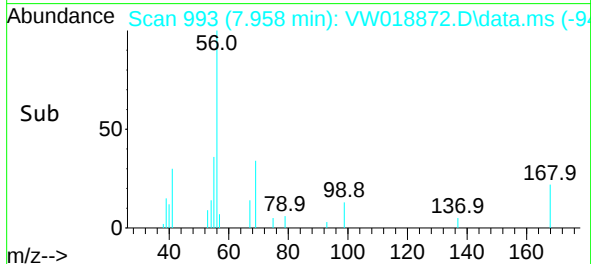


#29  
Cyclohexane  
Concen: 0.43 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

Instrument :  
MSVOA\_W  
ClientSampleId :

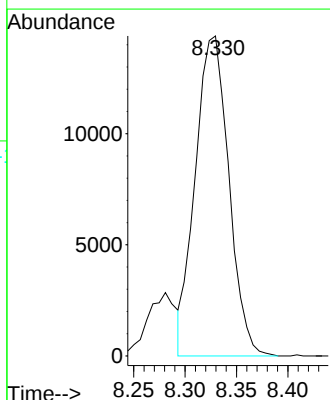
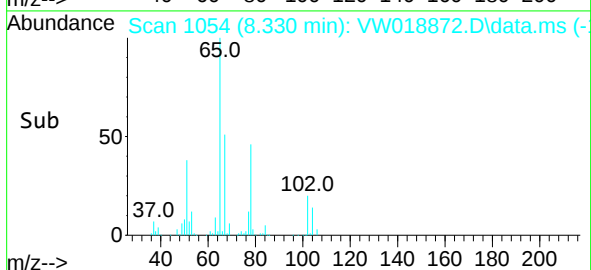
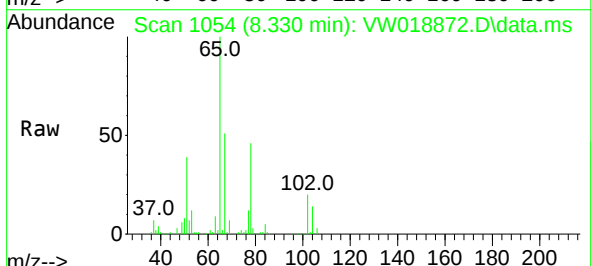


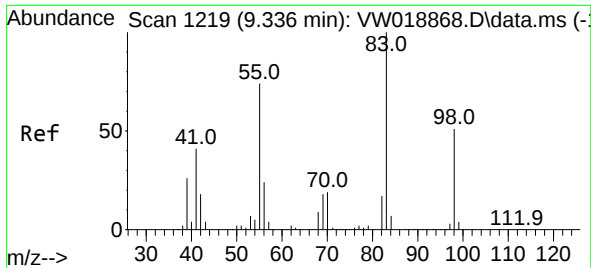
Tgt Ion: 56 Resp: 4258  
Ion Ratio Lower Upper  
56 100  
69 33.2 24.5 36.7  
84 99.0 75.0 112.4



#33  
Benzene  
Concen: 1.32 ug/L  
RT: 8.330 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

Tgt Ion: 78 Resp: 32668

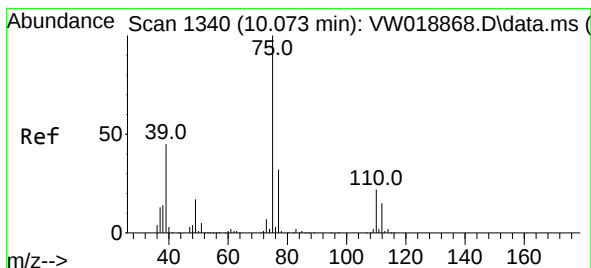
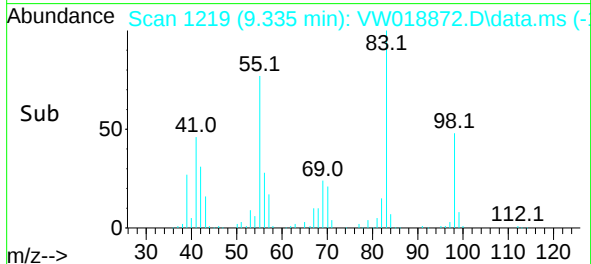
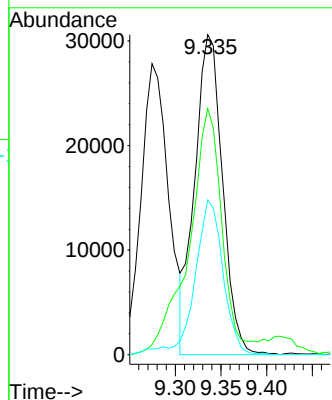
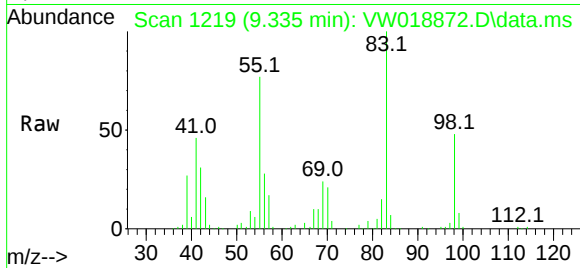




#35  
Methylcyclohexane  
Concen: 5.55 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

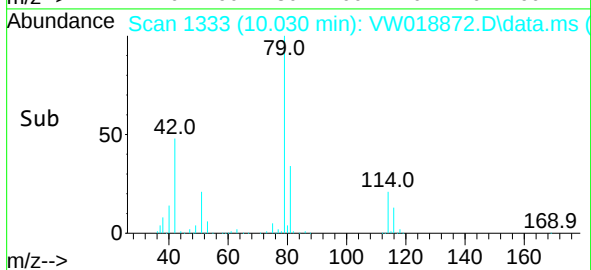
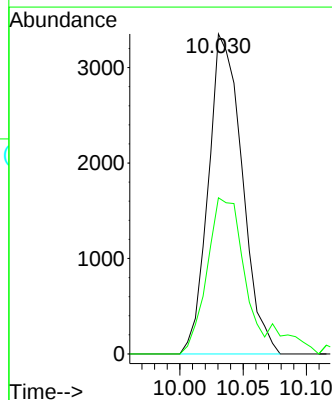
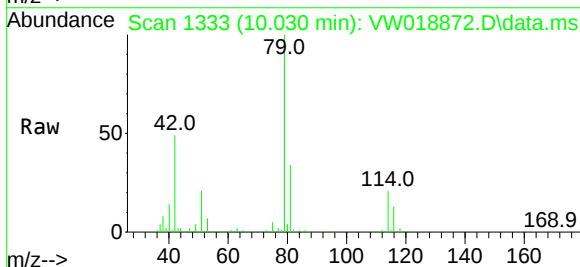
Instrument :  
MSVOA\_W  
ClientSampleId :

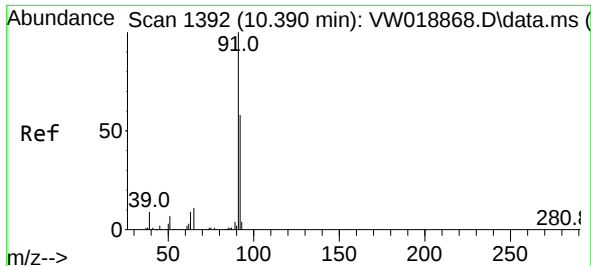
Tgt Ion: 83 Resp: 64632  
Ion Ratio Lower Upper  
83 100  
55 92.0 58.9 88.3#  
98 47.2 40.1 60.1



#39  
cis-1,3-Dichloropropene  
Concen: 0.65 ug/L  
RT: 10.030 min Scan# 1333  
Delta R.T. -0.043 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

Tgt Ion: 75 Resp: 6218  
Ion Ratio Lower Upper  
75 100  
77 48.8 22.6 42.0#

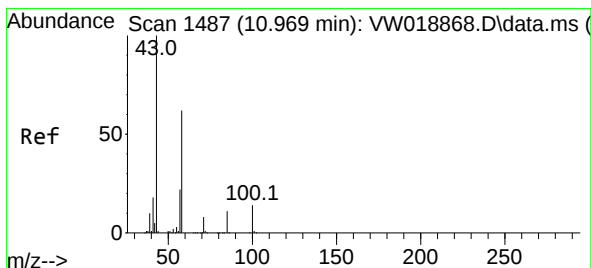
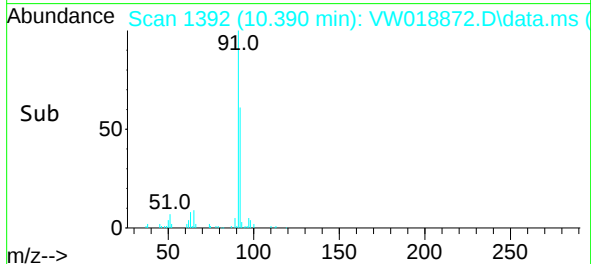
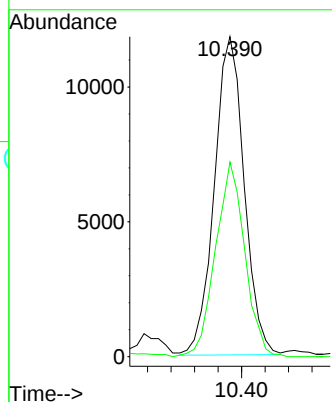
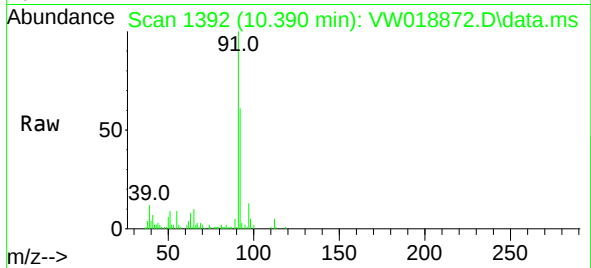




#42  
Toluene  
Concen: 0.76 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

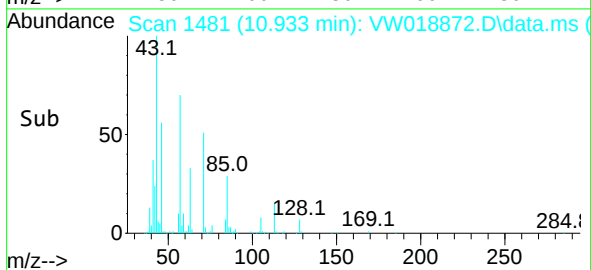
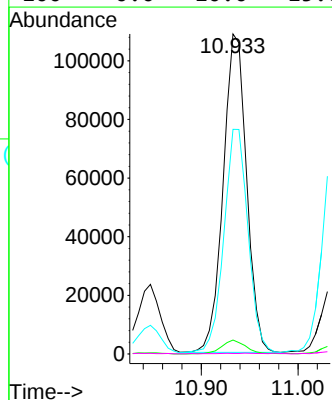
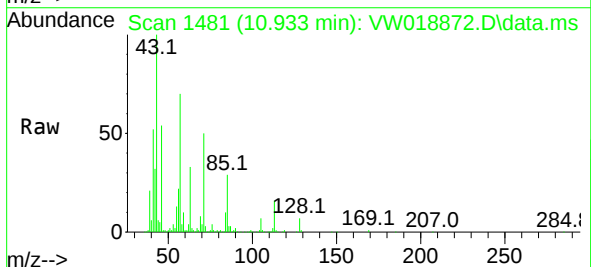
Instrument :  
MSVOA\_W  
ClientSampled :

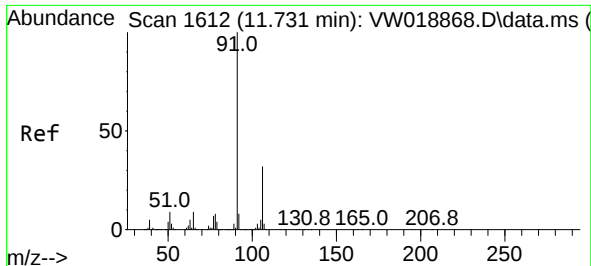
Tgt Ion: 91 Resp: 20804  
Ion Ratio Lower Upper  
91 100  
92 60.8 39.5 73.3



#48  
2-Hexanone  
Concen: 75.42 ug/L  
RT: 10.933 min Scan# 1481  
Delta R.T. -0.037 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

Tgt Ion: 43 Resp: 182457  
Ion Ratio Lower Upper  
43 100  
58 4.6 42.7 64.1#  
57 72.5 15.8 23.8#  
100 0.0 10.0 15.0#

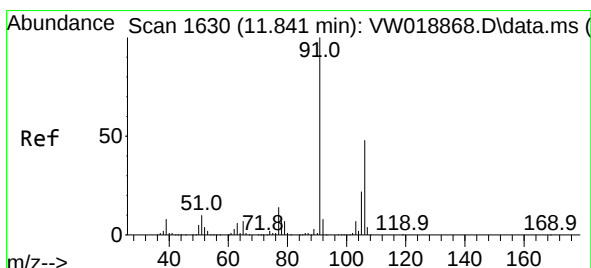
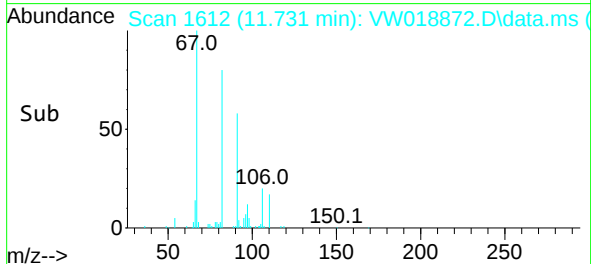
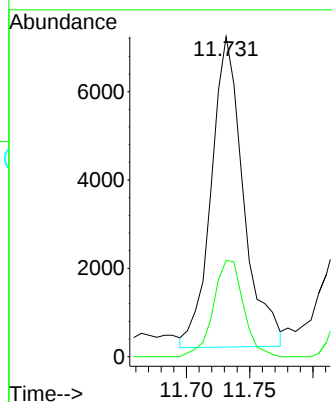
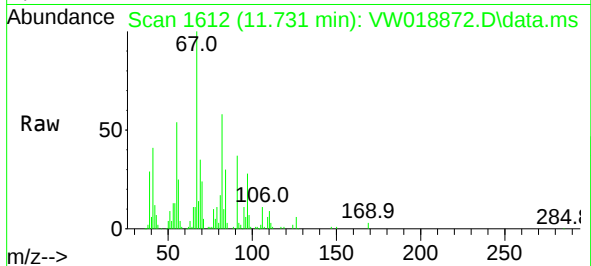




#52  
Ethylbenzene  
Concen: 0.41 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

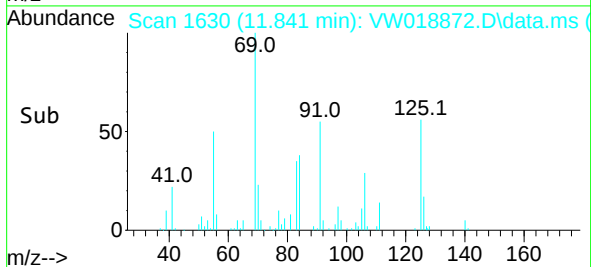
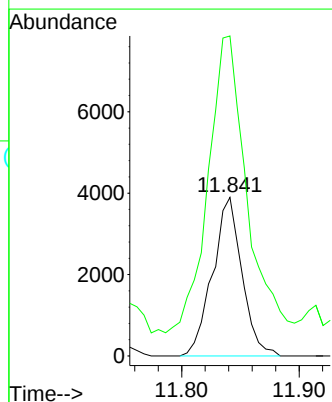
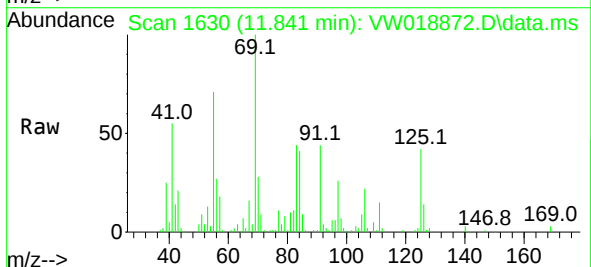
Instrument :  
MSVOA\_W  
ClientSampled :

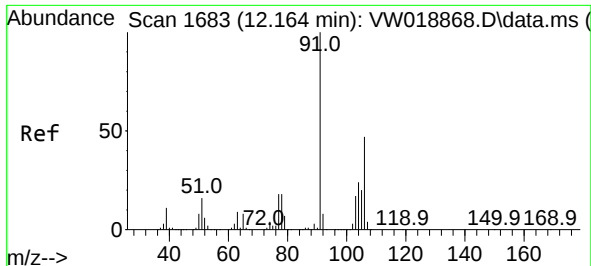
Tgt Ion: 91 Resp: 12428  
Ion Ratio Lower Upper  
91 100  
106 30.1 22.5 41.7



#53  
m,p-Xylene  
Concen: 0.60 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

Tgt Ion: 106 Resp: 6786  
Ion Ratio Lower Upper  
106 100  
91 201.7 141.3 262.3

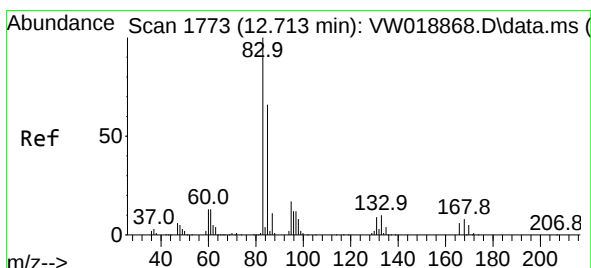
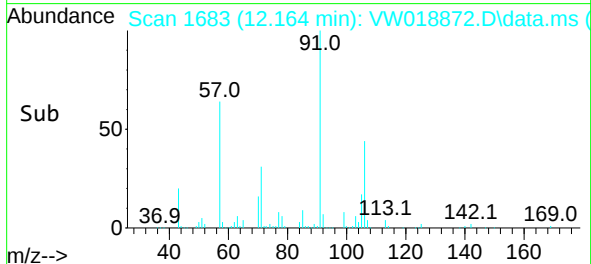
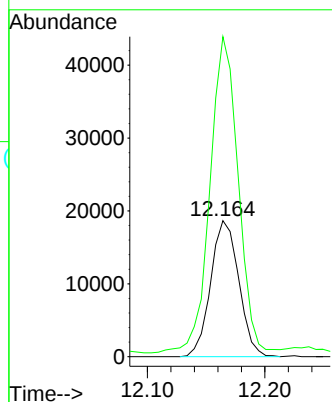
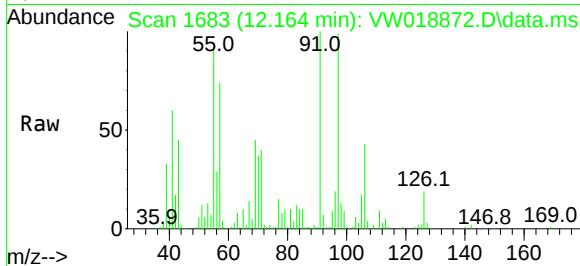




#54  
o-Xylene  
Concen: 2.89 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

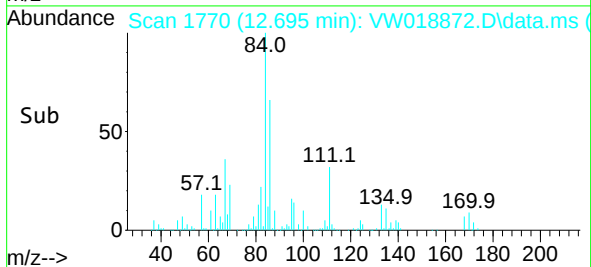
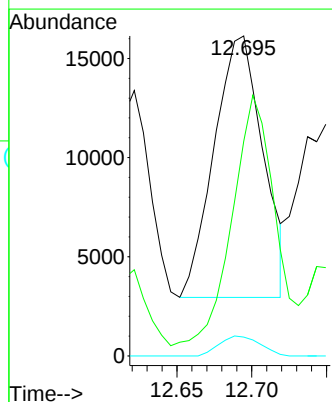
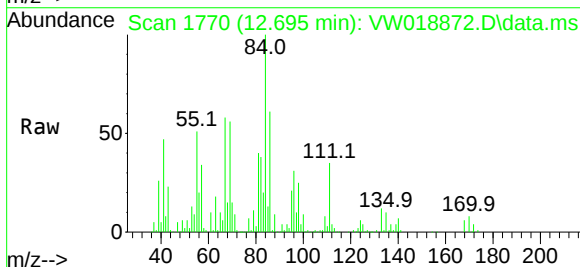
Instrument :  
MSVOA\_W  
ClientSampled :

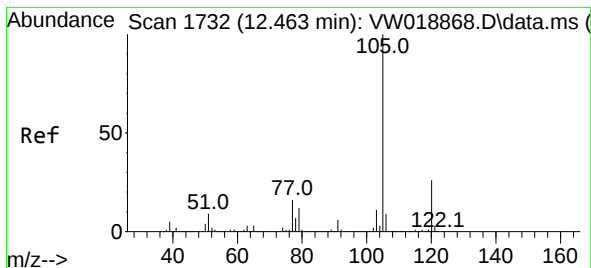
Tgt Ion:106 Resp: 30985  
Ion Ratio Lower Upper  
106 100  
91 235.2 150.0 278.6



#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.20 ug/L  
RT: 12.695 min Scan# 1770  
Delta R.T. -0.018 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

Tgt Ion: 83 Resp: 29885  
Ion Ratio Lower Upper  
83 100  
85 67.1 44.4 82.4  
131 5.9 8.2 12.4#

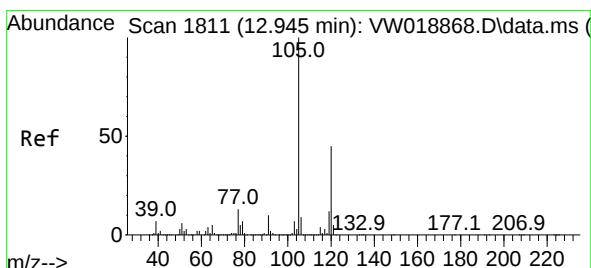
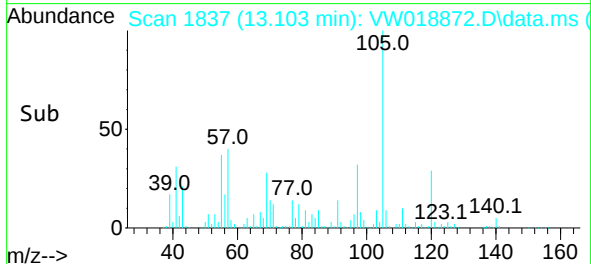
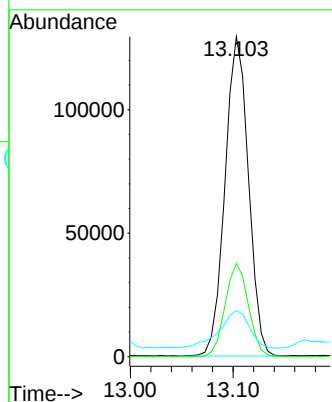
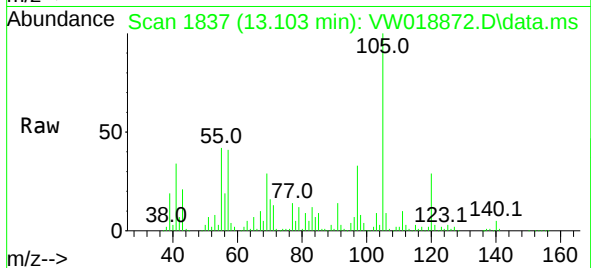




#60  
Isopropylbenzene  
Concen: 10.79 ug/L  
RT: 13.103 min Scan# 1837  
Delta R.T. 0.640 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

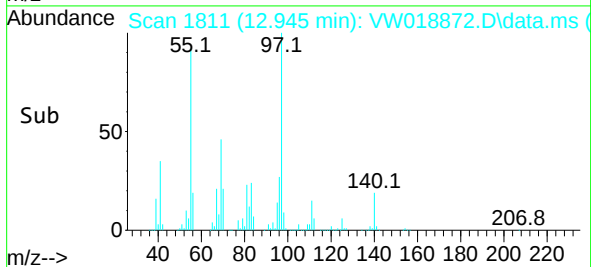
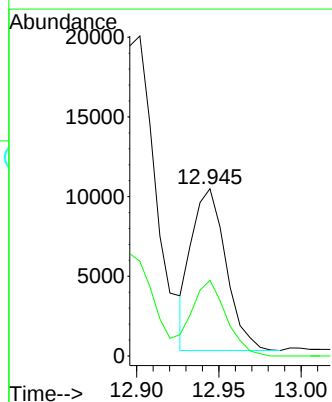
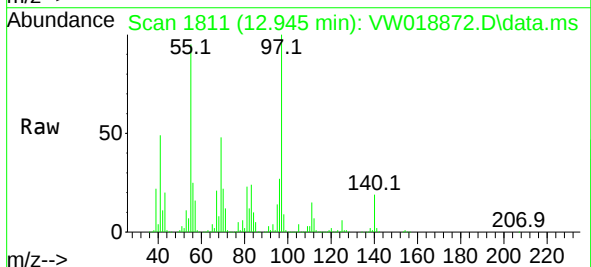
Instrument :  
MSVOA\_W  
ClientSampled :

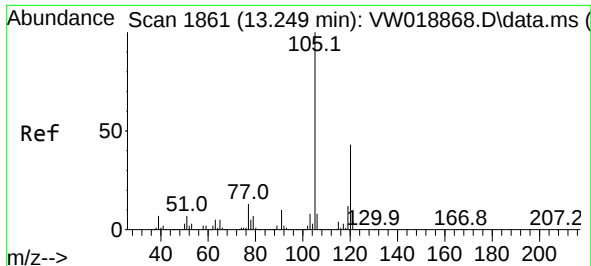
Tgt Ion:105 Resp: 204205  
Ion Ratio Lower Upper  
105 100  
120 29.0 21.1 31.7  
77 15.0 13.2 19.8



#62  
1,3,5-Trimethylbenzene  
Concen: 0.93 ug/L  
RT: 12.945 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

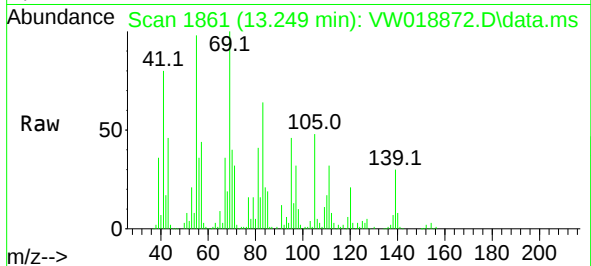
Tgt Ion:105 Resp: 14737  
Ion Ratio Lower Upper  
105 100  
120 48.4 39.0 58.6



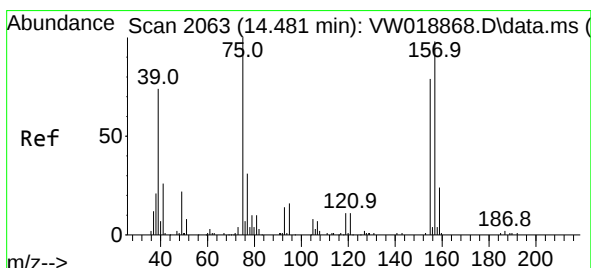
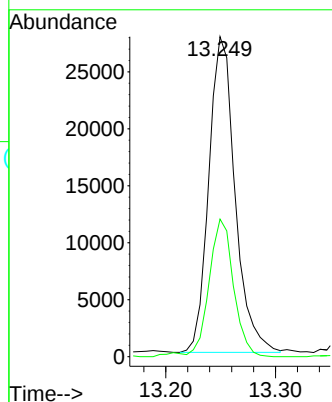
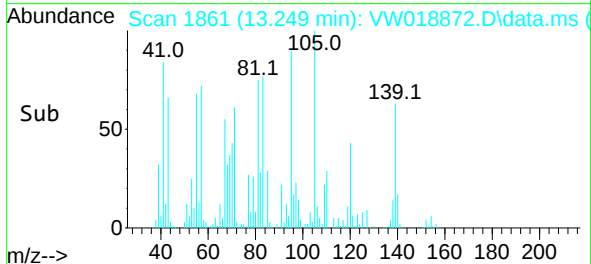


#63  
1,2,4-Trimethylbenzene  
Concen: 2.92 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

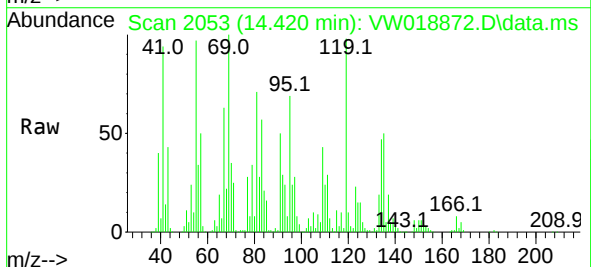
Instrument :  
MSVOA\_W  
ClientSampled :



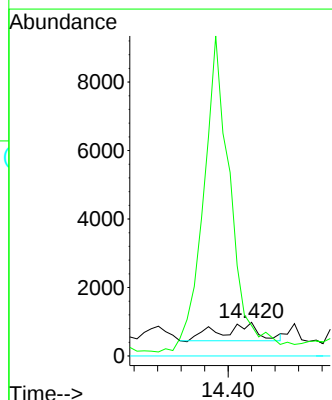
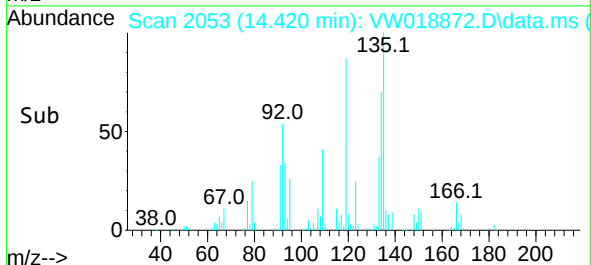
Tgt Ion:105 Resp: 46206  
Ion Ratio Lower Upper  
105 100  
120 40.2 35.6 53.4

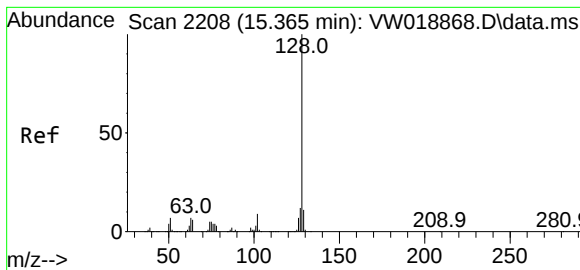


#68  
1,2-Dibromo-3-chloropropane  
Concen: 1.99 ug/L  
RT: 14.420 min Scan# 2053  
Delta R.T. -0.061 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30



Tgt Ion: 75 Resp: 1188  
Ion Ratio Lower Upper  
75 100  
155 90.7 59.4 89.0#  
157 0.0 72.2 108.2#



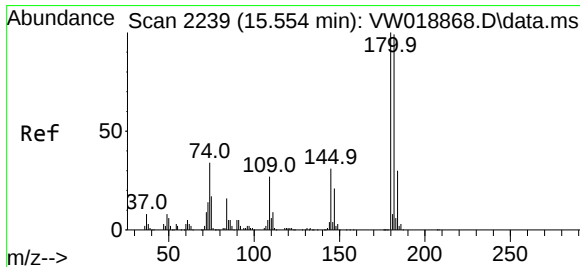
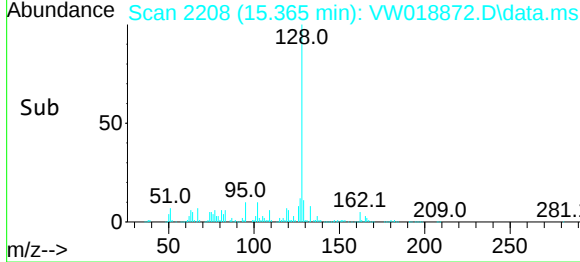
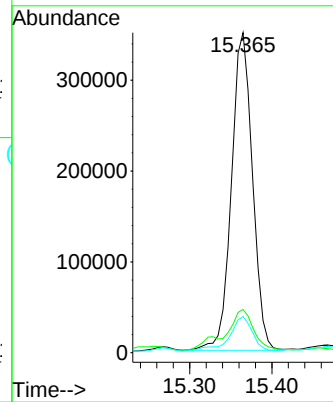
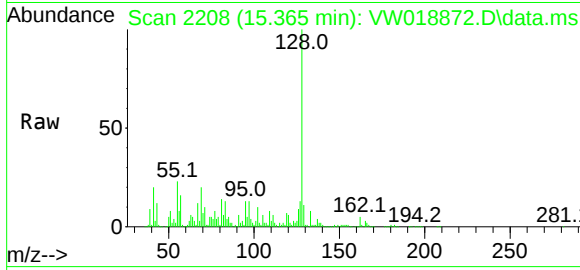


#71  
Naphthalene  
Concen: 61.75 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 623013

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.9  | 10.6  | 15.8  |
| 129 | 10.3  | 9.0   | 13.6  |



#72  
1,2,3-Trichlorobenzene  
Concen: 2.10 ug/L  
RT: 15.578 min Scan# 2243  
Delta R.T. 0.024 min  
Lab File: VW018872.D  
Acq: 30 Apr 2021 11:30

Tgt Ion:180 Resp: 8866

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 79.9  | 76.7  | 115.1 |
| 145 | 0.0   | 28.9  | 43.3# |

