

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042321\  
 Data File : VW018761.D  
 Acq On : 23 Apr 2021 16:33  
 Operator : SY/VA  
 Sample : M2165-08  
 Misc : 6.60G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 GB3E9

Manual Integrations  
 APPROVED

SAM  
 4/27/2021 5:45:55 PM

Quant Time: Apr 24 00:18:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM041421SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Apr 24 00:16:05 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 434349     | 25.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 348925     | 25.00    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 128003     | 25.00    | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361          | 65   | 83210      | 12.61    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 50.44%   |        |          |
| 7) Chloroethane-d5            | 2.892          | 69   | 78069      | 13.35    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 53.40%   |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.025          | 63   | 115565     | 10.08    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 40.32%#  |        |          |
| 21) 2-Butanone-d5             | 7.080          | 46   | 116402     | 77.47    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 154.94%# |        |          |
| 24) Chloroform-d              | 7.647          | 84   | 250129     | 20.98    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 83.92%   |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 162468     | 24.24    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 96.96%   |        |          |
| 32) Benzene-d6                | 8.275          | 84   | 408919     | 19.98    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 79.92%   |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.275          | 67   | 154177     | 24.99    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 99.96%   |        |          |
| 41) Toluene-d8                | 10.323         | 98   | 327254     | 17.48    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 69.92%   |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 62351      | 23.74    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 94.96%   |        |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 90524      | 84.39    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 168.78%# |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 175708     | 34.11    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 136.44%# |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 108271     | 24.08    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 96.32%   |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 13) Acetone                   | 4.129          | 43   | 12677      | 11.62    | ug/L   | 82       |
| 16) Methylene chloride        | 4.922          | 84   | 18016      | 2.53     | ug/L   | 91       |
| 20) cis-1,2-Dichloroethene    | 7.177          | 96   | 5731       | 0.88     | ug/L   | 91       |
| 33) Benzene                   | 8.330          | 78   | 14946      | 0.68     | ug/L   | 100      |
| 34) Trichloroethene           | 9.092          | 95   | 216034     | 38.29    | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.335          | 83   | 5530       | 0.56     | ug/L   | 93       |
| 42) Toluene                   | 10.390         | 91   | 45720      | 1.94     | ug/L   | 92       |
| 46) Tetrachloroethene         | 10.860         | 164  | 15729358m  | 3946.03  | ug/L   |          |
| 52) Ethylbenzene              | 11.731         | 91   | 21275      | 0.82     | ug/L   | 93       |
| 53) m,p-Xylene                | 11.841         | 106  | 8945       | 0.94     | ug/L   | 97       |
| 54) o-Xylene                  | 12.164         | 106  | 3294       | 0.36     | ug/L   | 79       |
| 63) 1,2,4-Trimethylbenzene    | 13.249         | 105  | 13699      | 0.88     | ug/L   | 98       |
| -----                         |                |      |            |          |        |          |

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

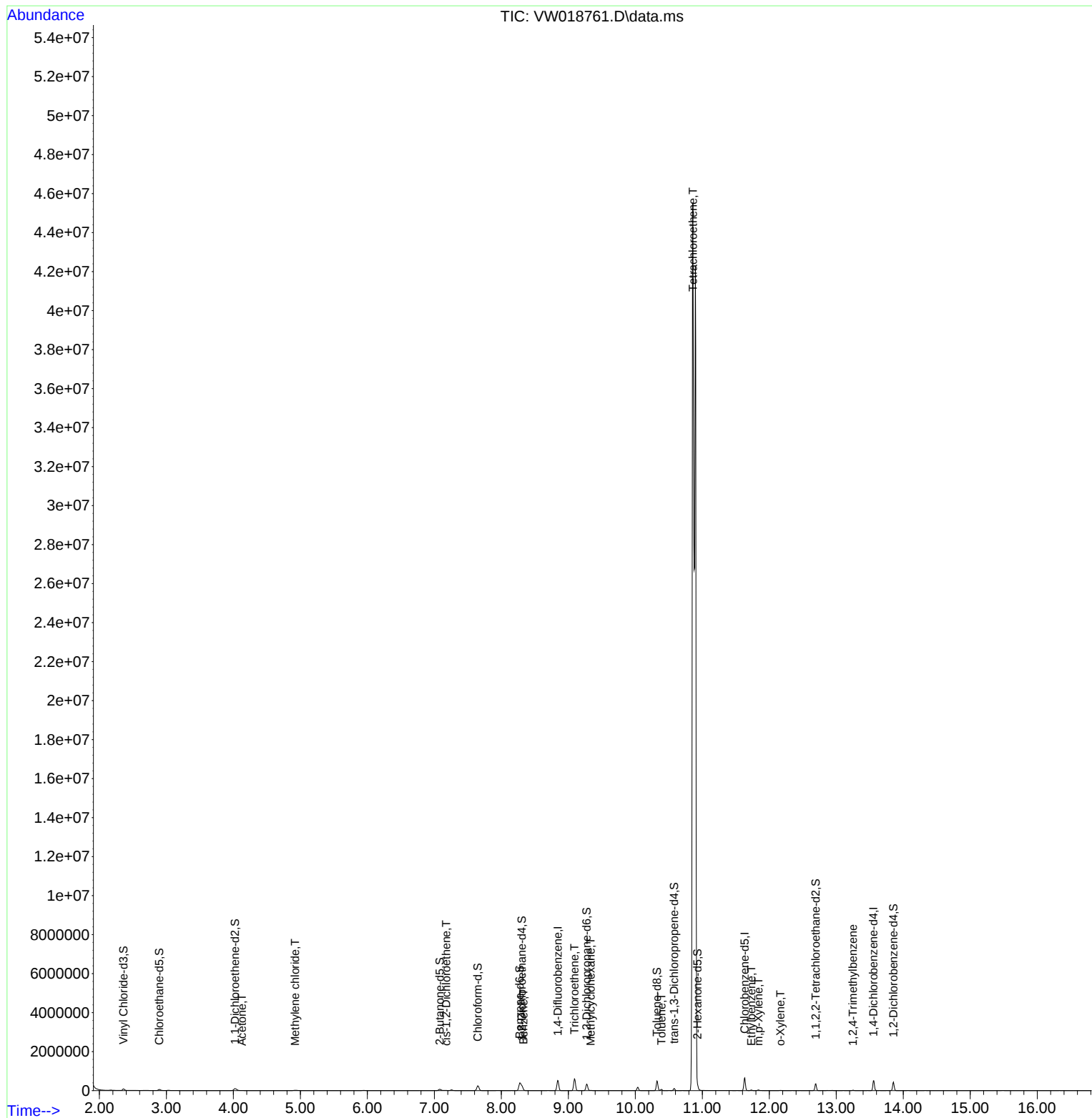
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042321\  
Data File : VW018761.D  
Acq On : 23 Apr 2021 16:33  
Operator : SY/VA  
Sample : M2165-08  
Misc : 6.60G/10ML/MSVOA\_W/SOIL  
ALS Vial : 16 Sample Multiplier: 1

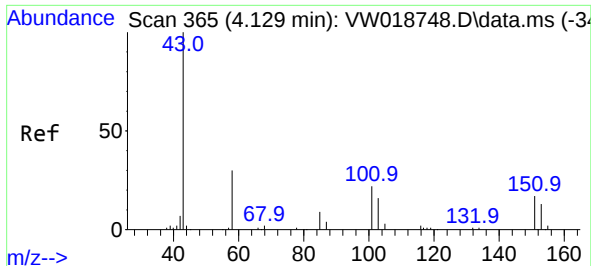
Instrument :  
MSVOA\_W  
ClientSampleId :  
GB3E9

Manual Integrations  
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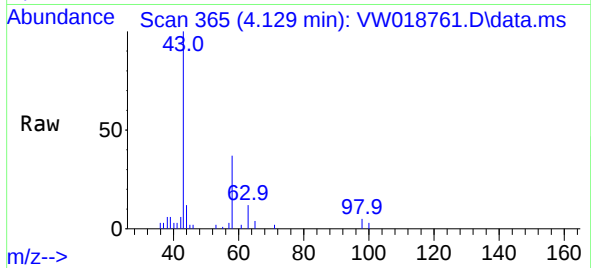
SAM  
4/27/2021 5:45:55 PM

Quant Time: Apr 24 00:18:51 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM041421SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Apr 24 00:16:05 2021  
Response via : Initial Calibration

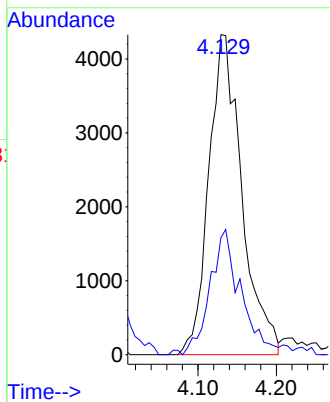
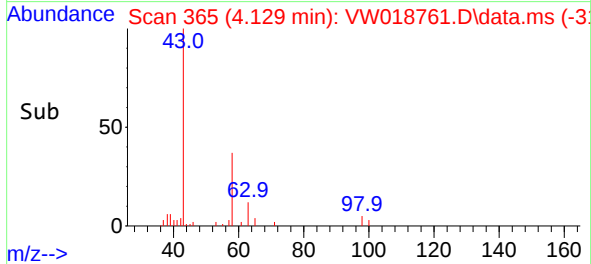




#13  
Acetone  
Concen: 11.62 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. -0.000 min  
Lab File: VW018761.D  
Acq: 23 Apr 2021 16:33



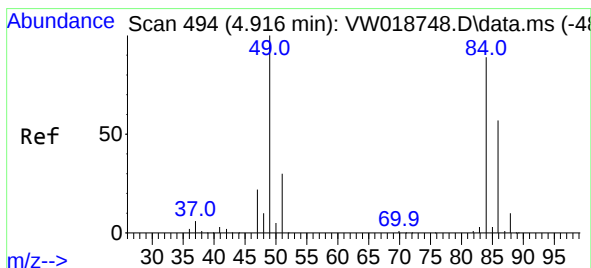
Tgt Ion: 43 Resp: 12677  
Ion Ratio Lower Upper  
43 100  
58 36.3 0.0 53.8



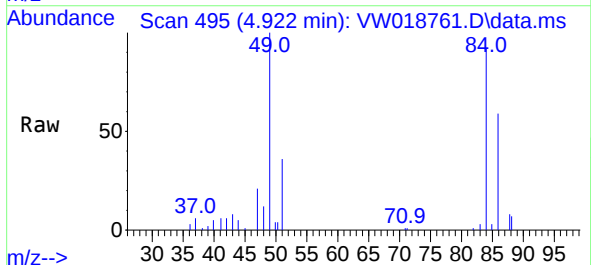
Instrument :  
MSVOA\_W  
ClientSampled :  
GB3E9

Manual Integrations  
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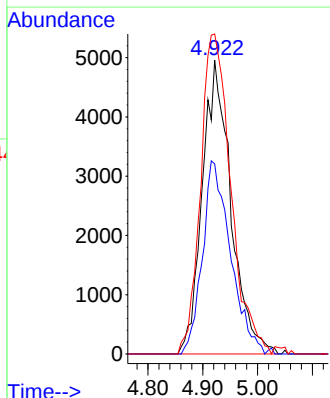
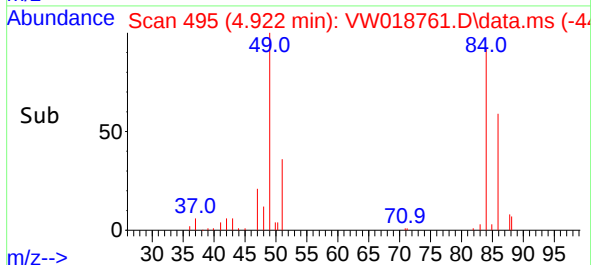
SAM  
4/27/2021 5:45:55 PM

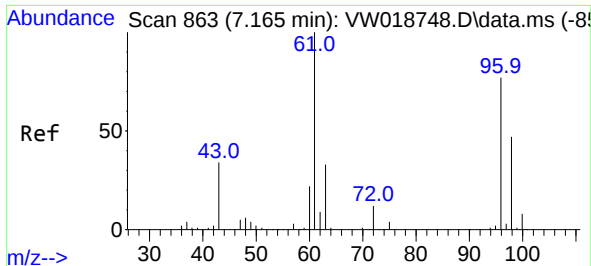


#16  
Methylene chloride  
Concen: 2.53 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW018761.D  
Acq: 23 Apr 2021 16:33

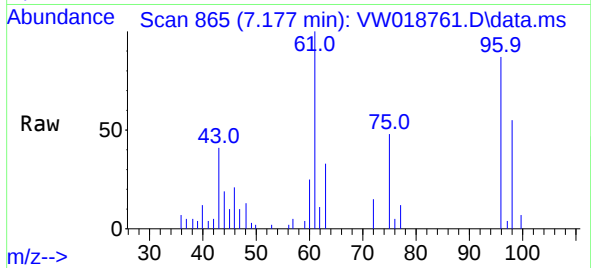


Tgt Ion: 84 Resp: 18016  
Ion Ratio Lower Upper  
84 100  
86 64.7 45.3 84.1  
49 108.9 86.6 160.8



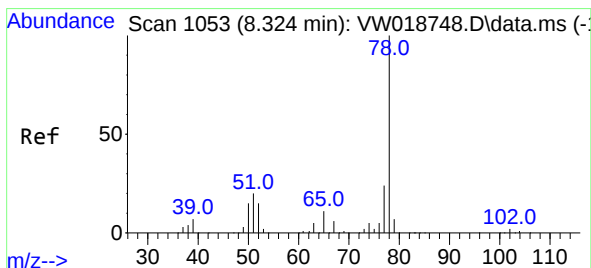
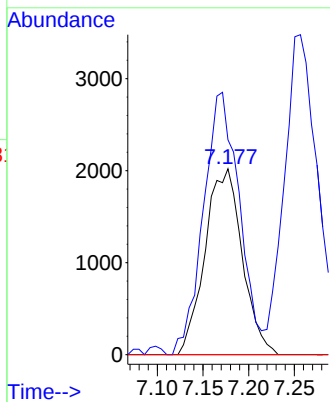
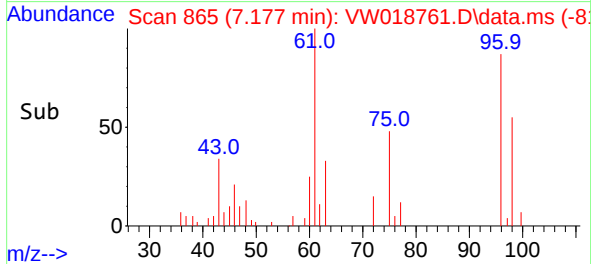


#20  
cis-1,2-Dichloroethene  
Concen: 0.88 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. 0.012 min  
Lab File: VW018761.D  
Acq: 23 Apr 2021 16:33

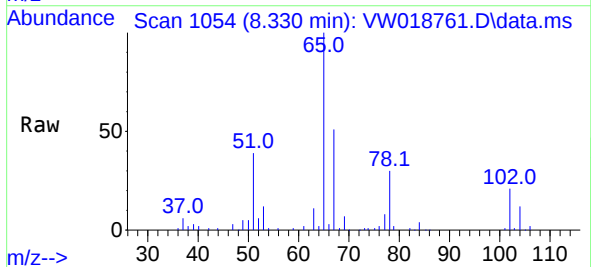


Tgt Ion: 96 Resp: 5731

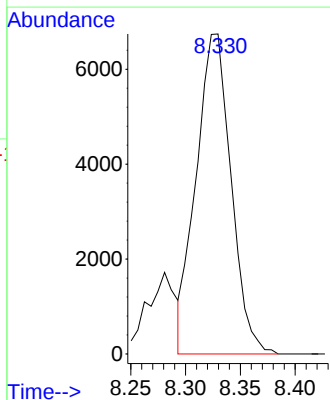
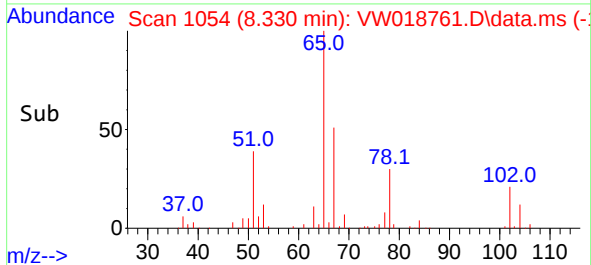
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 115.5 | 88.5  | 164.3 |
| 68  | 0.0   | 0.0   | 0.0   |



#33  
Benzene  
Concen: 0.68 ug/L  
RT: 8.330 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VW018761.D  
Acq: 23 Apr 2021 16:33



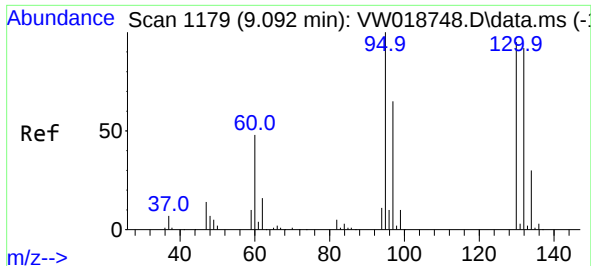
Tgt Ion: 78 Resp: 14946



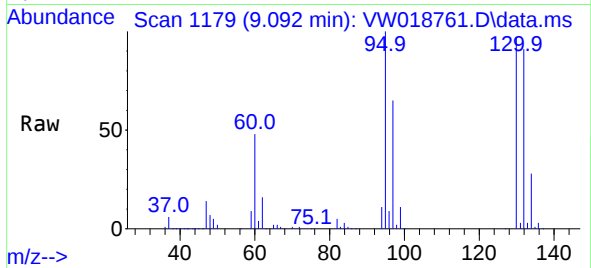
Instrument :  
MSVOA\_W  
ClientSampled :  
GB3E9

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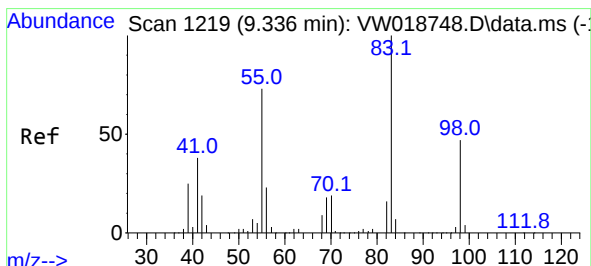
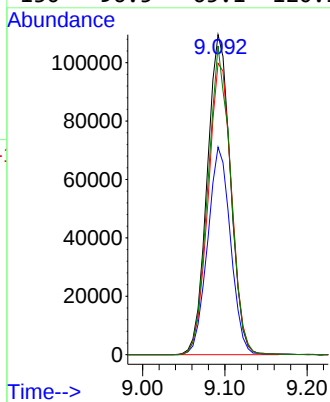
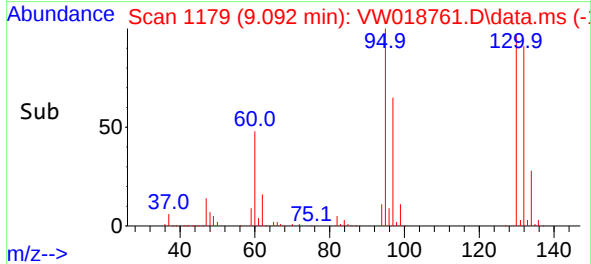


#34  
Trichloroethene  
Concen: 38.29 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW018761.D  
Acq: 23 Apr 2021 16:33

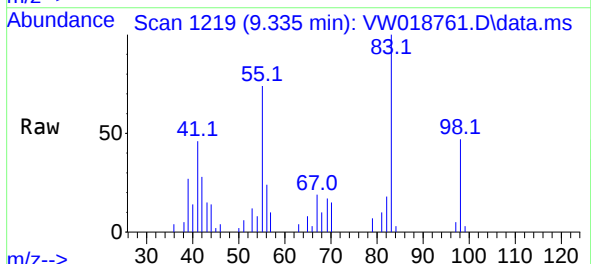


Tgt Ion: 95 Resp: 216034

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.8  | 47.3  | 87.8  |
| 132 | 91.0  | 71.0  | 131.8 |
| 130 | 96.5  | 65.1  | 120.9 |

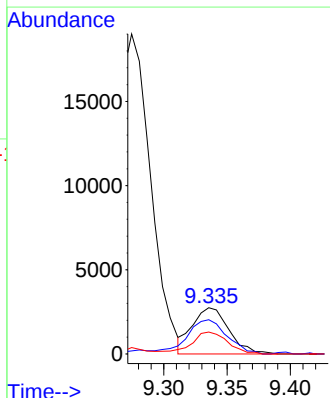
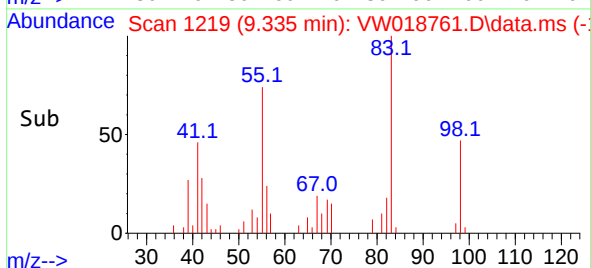


#35  
Methylcyclohexane  
Concen: 0.56 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW018761.D  
Acq: 23 Apr 2021 16:33



Tgt Ion: 83 Resp: 5530

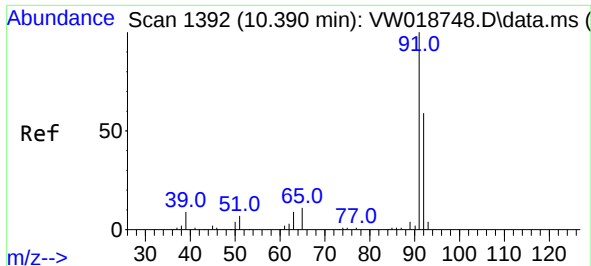
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 80.6  | 58.9  | 88.3  |
| 98  | 46.6  | 40.1  | 60.1  |



Instrument :  
MSVOA\_W  
ClientSampled :  
GB3E9

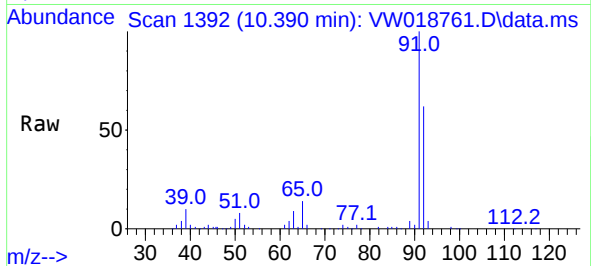
Manual Integrations  
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SAM  
4/27/2021 5:45:55 PM



#42  
Toluene  
Concen: 1.94 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW018761.D  
Acq: 23 Apr 2021 16:33

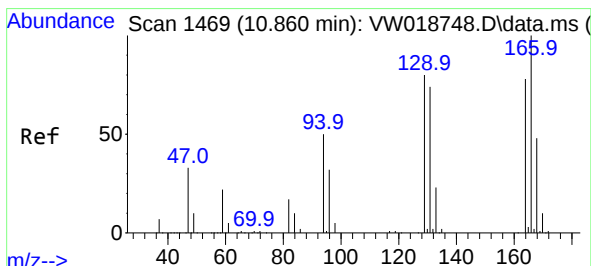
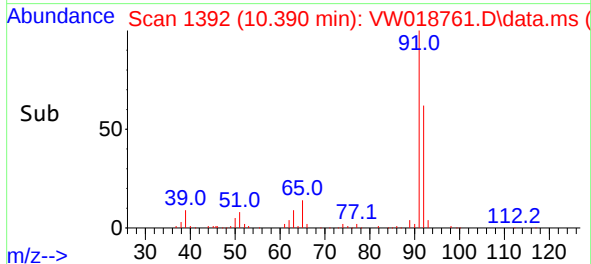
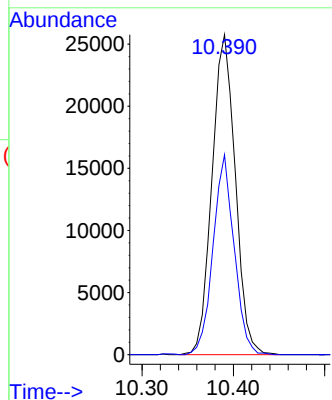
Instrument :  
MSVOA\_W  
ClientSampled :  
GB3E9



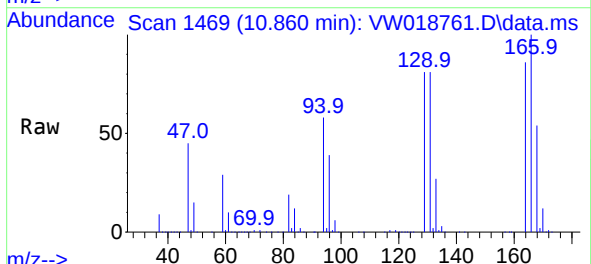
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Ion Ratio Lower Upper  
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92 62.5 39.5 73.3

Manual Integrations  
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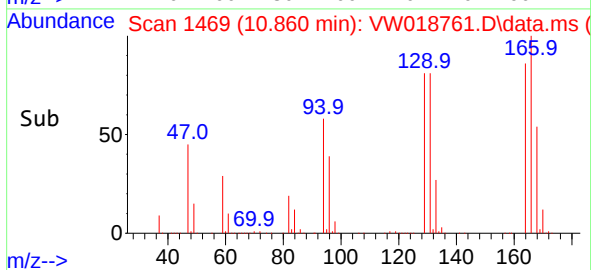
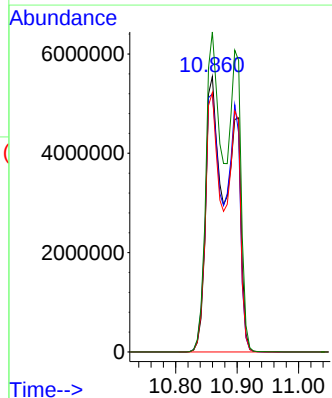
SAM  
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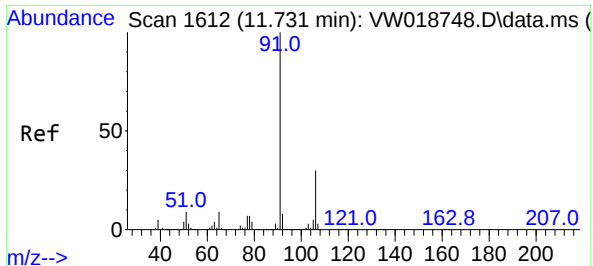


#46  
Tetrachloroethene  
Concen: 3946.03 ug/L m  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: VW018761.D  
Acq: 23 Apr 2021 16:33



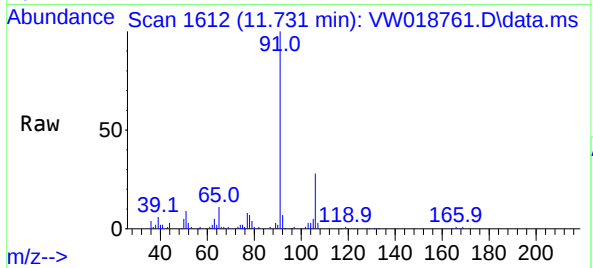
Tgt Ion: 164 Resp: 15729358  
Ion Ratio Lower Upper  
164 100  
129 93.8 66.7 123.9  
131 94.2 61.1 113.5  
166 116.2 87.0 161.6





#52  
Ethylbenzene  
Concen: 0.82 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW018761.D  
Acq: 23 Apr 2021 16:33

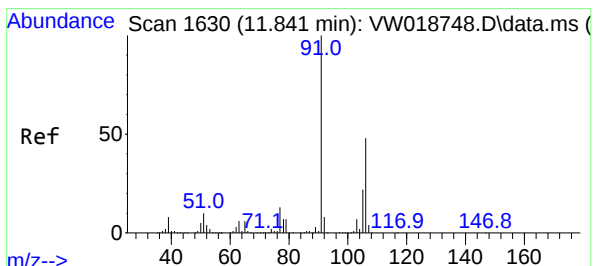
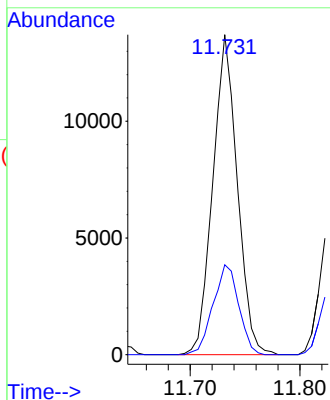
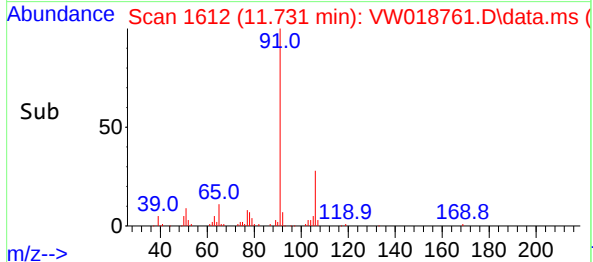
Instrument :  
MSVOA\_W  
ClientSampled :  
GB3E9



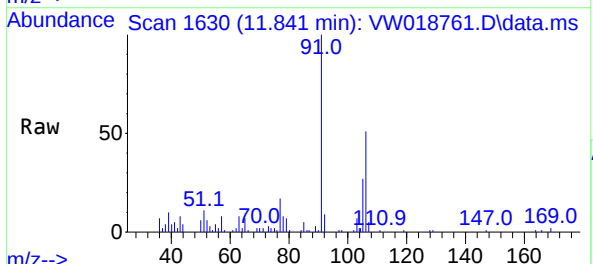
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Ion Ratio Lower Upper  
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106 28.1 22.5 41.7

Manual Integrations  
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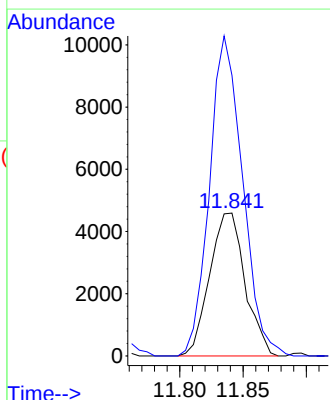
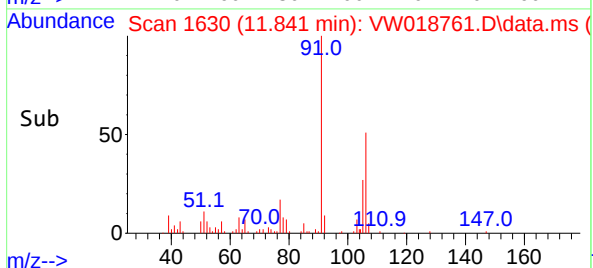
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4/27/2021 5:45:55 PM

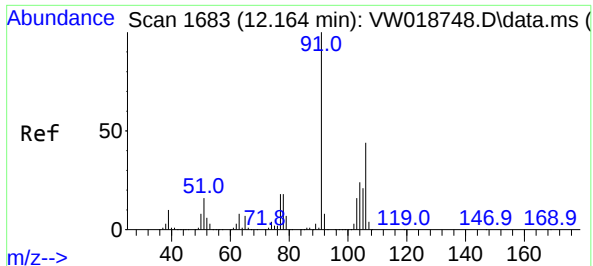


#53  
m,p-Xylene  
Concen: 0.94 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW018761.D  
Acq: 23 Apr 2021 16:33



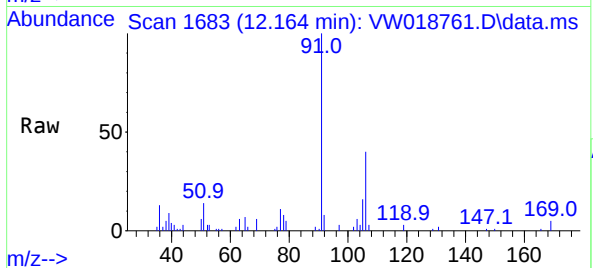
Tgt Ion: 106 Resp: 8945  
Ion Ratio Lower Upper  
106 100  
91 196.5 141.3 262.3





#54  
o-Xylene  
Concen: 0.36 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW018761.D  
Acq: 23 Apr 2021 16:33

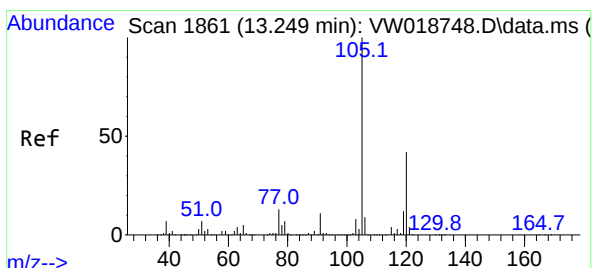
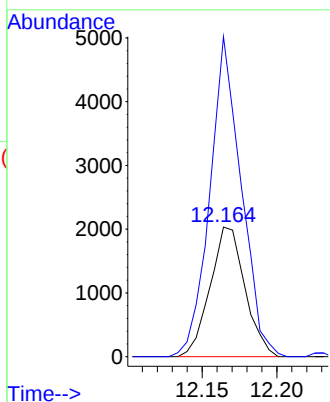
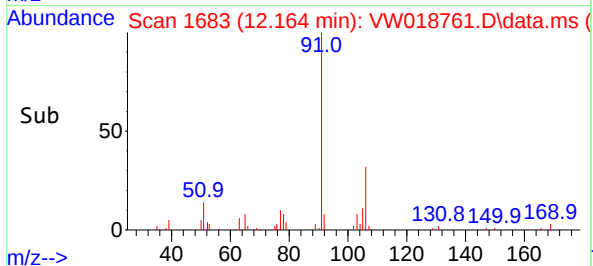
Instrument :  
MSVOA\_W  
ClientSampleId :  
GB3E9



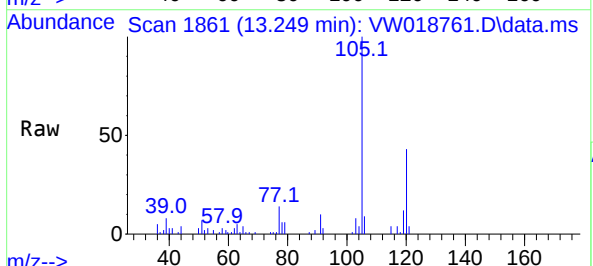
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Ion Ratio Lower Upper  
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91 246.9 150.0 278.6

Manual Integrations  
APPROVED

SAM  
4/27/2021 5:45:55 PM



#63  
1,2,4-Trimethylbenzene  
Concen: 0.88 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW018761.D  
Acq: 23 Apr 2021 16:33



Tgt Ion:105 Resp: 13699  
Ion Ratio Lower Upper  
105 100  
120 45.7 35.6 53.4

