

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031121\  
 Data File : VW018295.D  
 Acq On : 11 Mar 2021 13:32  
 Operator : SY/VA  
 Sample : M1630-05  
 Misc : 5.92G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG573

Manual Integrations  
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 3/15/2021 12:38:13 PM

Quant Time: Mar 12 00:27:39 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM030821S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 12 00:26:52 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                         |                |      |                    |       |        |          |
| Internal Standards            |                |      |                    |       |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 321421             | 25.00 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 290512             | 25.00 | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 127322             | 25.00 | ug/L   | 0.00     |
|                               |                |      |                    |       |        |          |
| System Monitoring Compounds   |                |      |                    |       |        |          |
| 4) Vinyl Chloride-d3          | 2.361          | 65   | 87428              | 25.12 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 100.48% |       |        |          |
| 7) Chloroethane-d5            | 2.898          | 69   | 67280              | 23.80 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 95.20%  |       |        |          |
| 10) 1,1-Dichloroethene-d2     | 4.019          | 63   | 144988             | 17.93 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 71.72%  |       |        |          |
| 20) 2-Butanone-d5             | 7.080          | 46   | 26896              | 32.50 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 65.00%  |       |        |          |
| 24) Chloroform-d              | 7.647          | 84   | 194128             | 22.29 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 89.16%  |       |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 96996              | 20.24 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 80.96%  |       |        |          |
| 29) Benzene-d6                | 8.275          | 84   | 361121             | 23.35 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 93.40%  |       |        |          |
| 33) 1,2-Dichloropropane-d6    | 9.275          | 67   | 94310              | 22.01 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 88.04%  |       |        |          |
| 37) Toluene-d8                | 10.323         | 98   | 341709             | 22.90 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 91.60%  |       |        |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 40294              | 18.97 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 75.88%  |       |        |          |
| 39) 2-Hexanone-d5             | 10.927         | 63   | 23593              | 33.10 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 66.20%  |       |        |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.689         | 84   | 64857              | 17.70 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 70.80%  |       |        |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 107221             | 23.17 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 92.68%  |       |        |          |
|                               |                |      |                    |       |        |          |
| Target Compounds              |                |      |                    |       | Qvalue |          |
| 13) Acetone                   | 4.129          | 43   | 3459m              | 5.35  | ug/L   |          |
| 14) Carbon disulfide          | 4.385          | 76   | 5927               | 0.48  | ug/L   | 97       |
| 16) Methylene chloride        | 4.922          | 84   | 4970               | 1.01  | ug/L   | 95       |
| 34) Benzene                   | 8.323          | 78   | 16617              | 0.99  | ug/L   | 100      |
| 35) Trichloroethene           | 9.092          | 95   | 8624               | 1.76  | ug/L   | 98       |
| 44) Toluene                   | 10.384         | 91   | 4577               | 0.24  | ug/L   | 90       |
| 47) Tetrachloroethene         | 10.860         | 164  | 29424              | 8.02  | ug/L   | 89       |
| -----                         |                |      |                    |       |        |          |

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

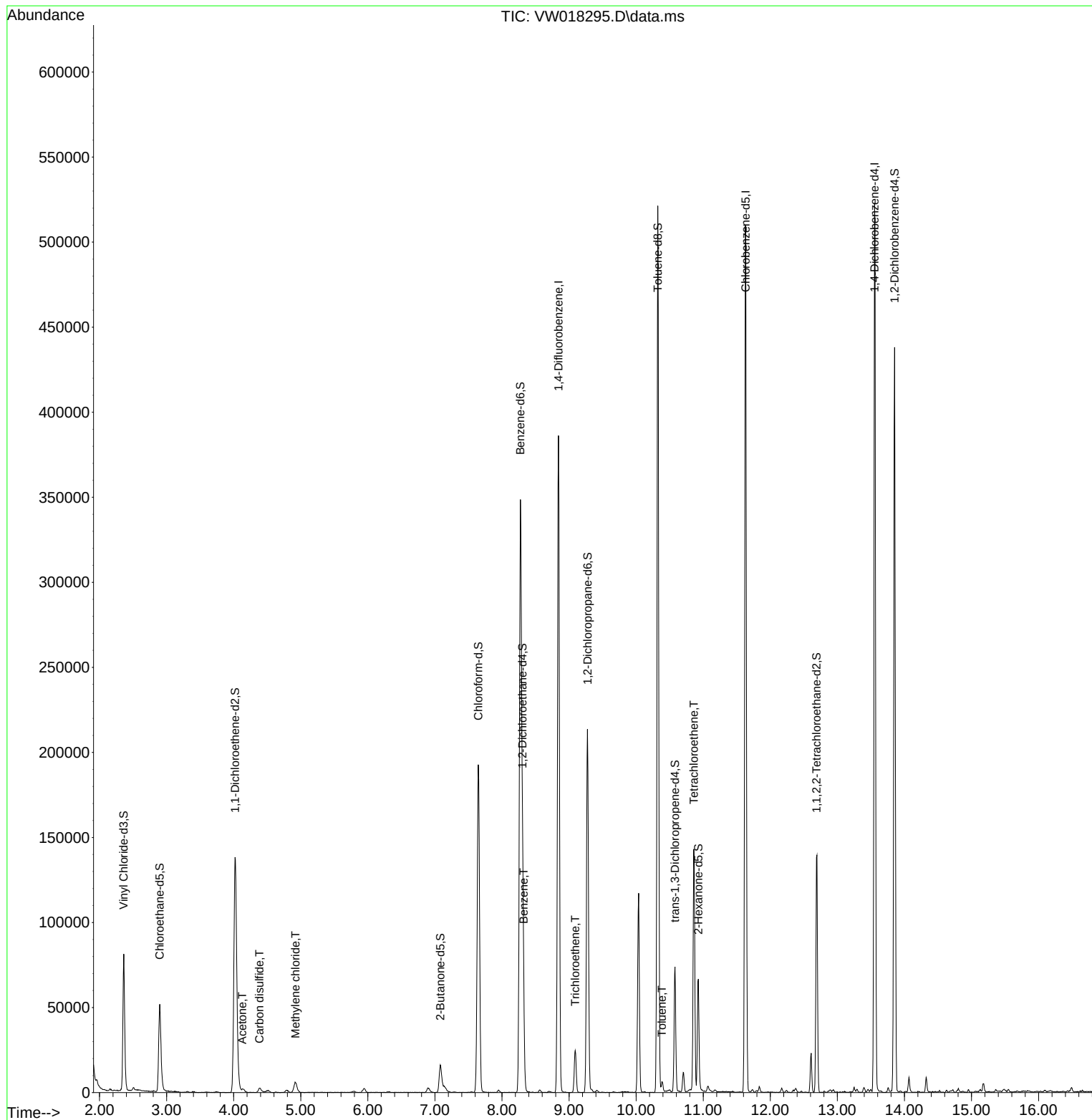
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031121\  
Data File : VW018295.D  
Acq On : 11 Mar 2021 13:32  
Operator : SY/VA  
Sample : M1630-05  
Misc : 5.92G/10ML/MSVOA\_W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

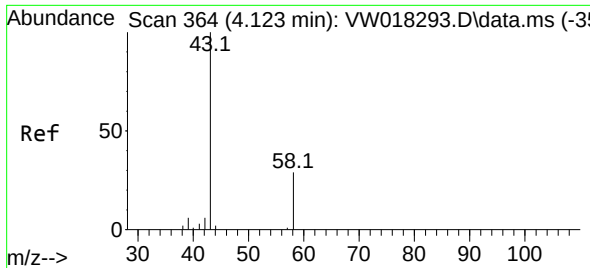
Instrument :  
MSVOA\_W  
ClientSampled :  
BG573

Quant Time: Mar 12 00:27:39 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM030821S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 12 00:26:52 2021  
Response via : Initial Calibration

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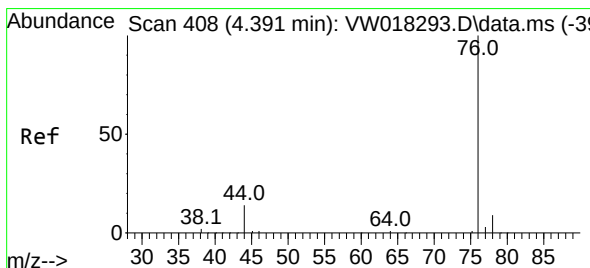
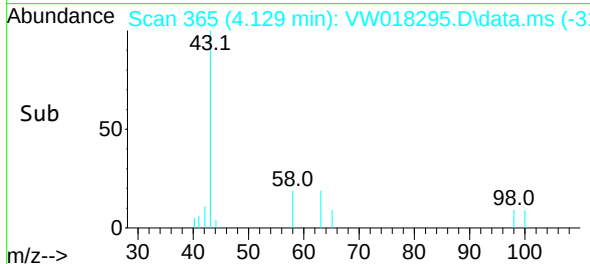
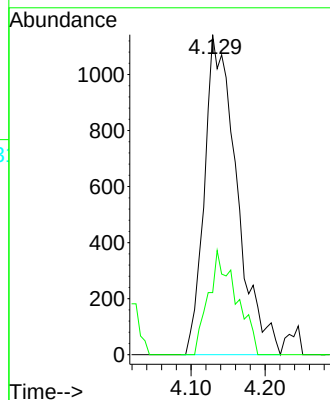
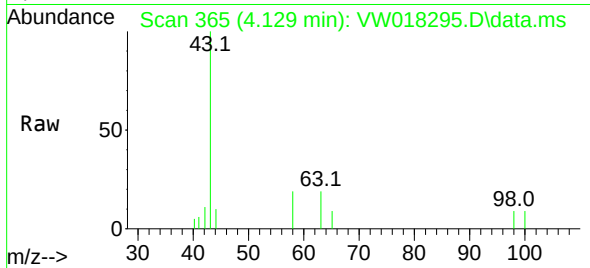
#13  
Acetone  
Concen: 5.35 ug/L m  
RT: 4.129 min Scan# 365  
Delta R.T. 0.006 min  
Lab File: VW018295.D  
Acq: 11 Mar 2021 13:32

Tgt Ion: 43 Resp: 3459  
Ion Ratio Lower Upper  
43 100  
58 17.2 0.0 62.2

Instrument :  
MSVOA\_W  
ClientSampled :  
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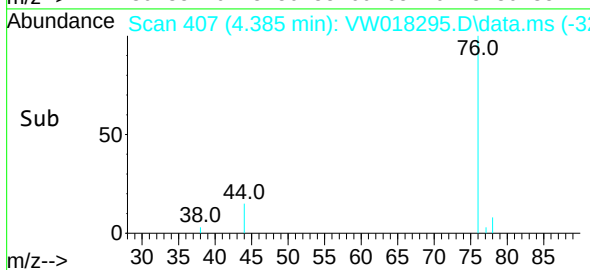
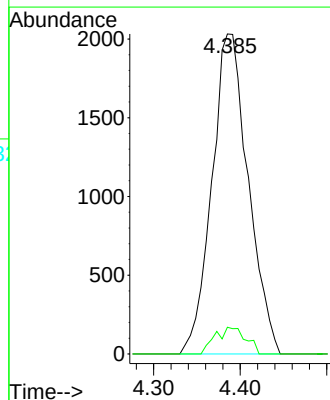
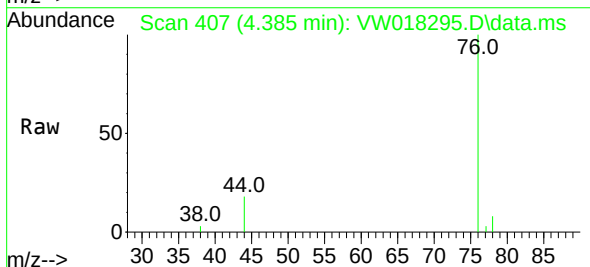
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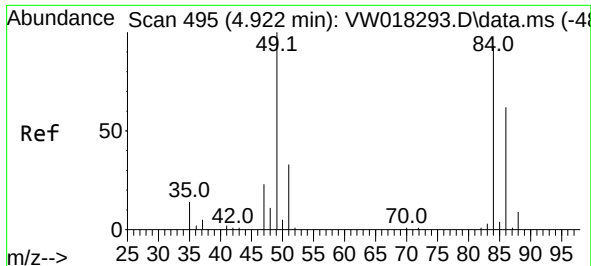
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#14  
Carbon disulfide  
Concen: 0.48 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.006 min  
Lab File: VW018295.D  
Acq: 11 Mar 2021 13:32

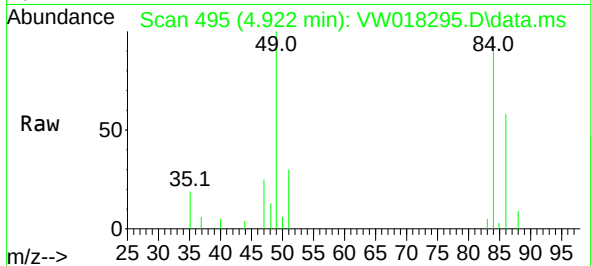
Tgt Ion: 76 Resp: 5927  
Ion Ratio Lower Upper  
76 100  
78 8.4 7.4 11.2





#16  
Methylene chloride  
Concen: 1.01 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. -0.000 min  
Lab File: VW018295.D  
Acq: 11 Mar 2021 13:32

Instrument :  
MSVOA\_W  
ClientSampled :  
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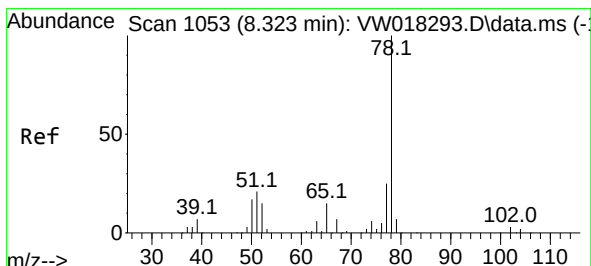
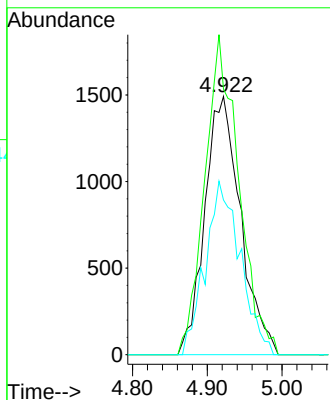
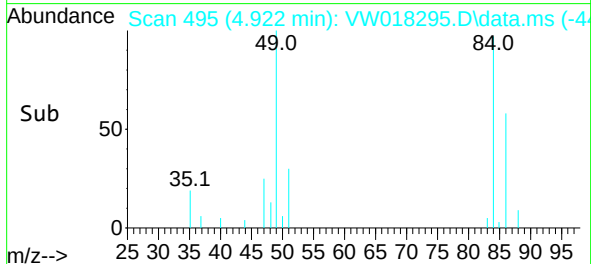


Tgt Ion: 84 Resp: 4970

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 102.9 | 74.4  | 138.2 |
| 86  | 60.0  | 46.1  | 85.7  |

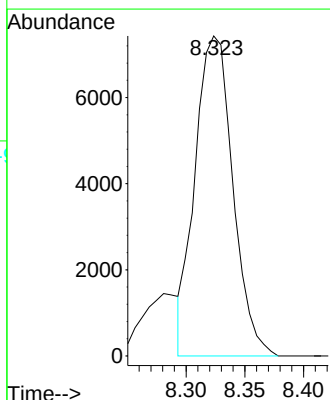
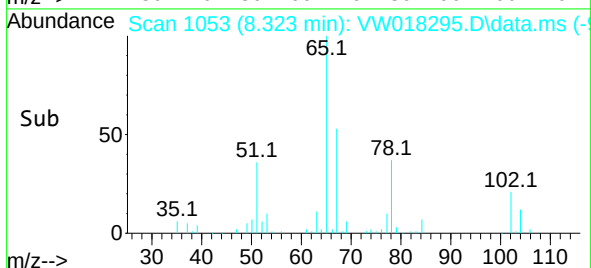
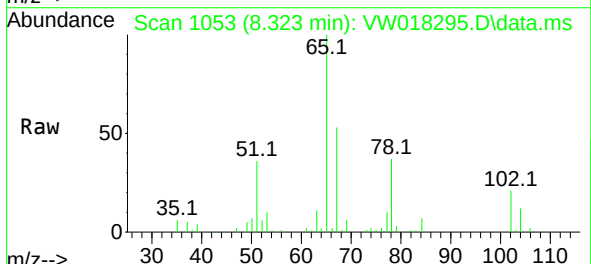
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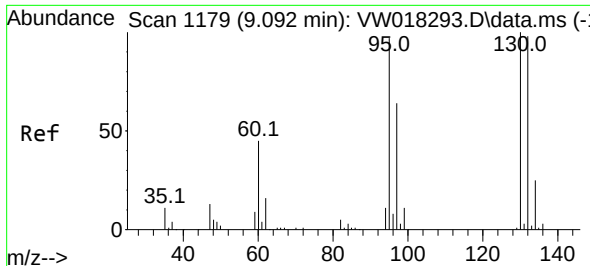
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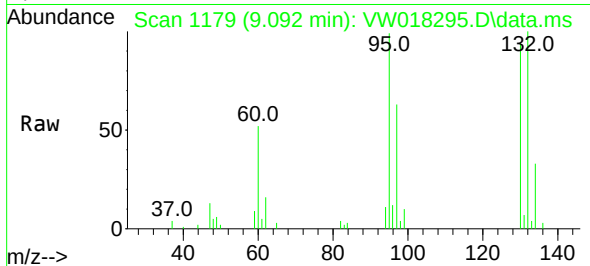
#34  
Benzene  
Concen: 0.99 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW018295.D  
Acq: 11 Mar 2021 13:32

Tgt Ion: 78 Resp: 16617



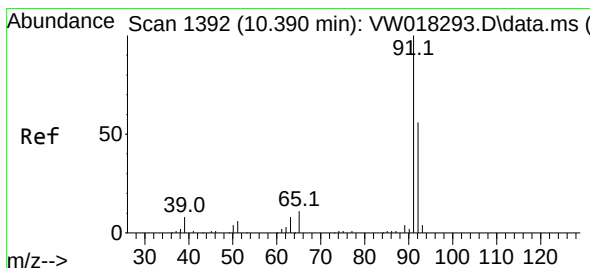
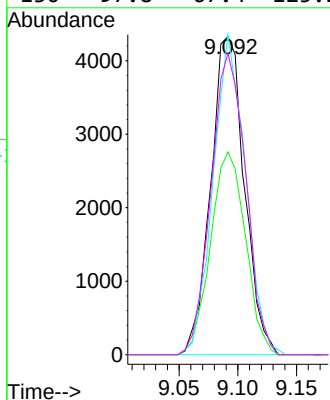
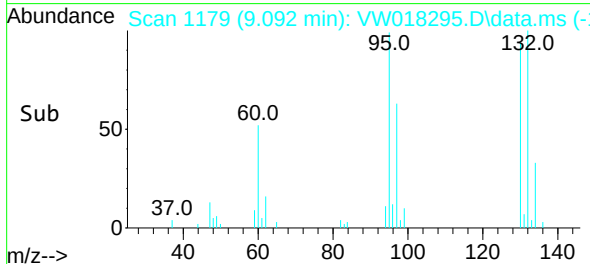


#35  
Trichloroethene  
Concen: 1.76 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW018295.D  
Acq: 11 Mar 2021 13:32

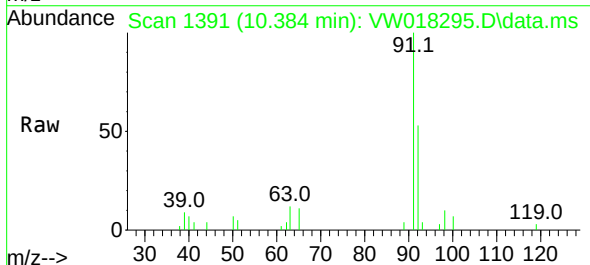


Tgt Ion: 95 Resp: 8624

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.1  | 44.4  | 82.4  |
| 132 | 96.7  | 65.9  | 122.5 |
| 130 | 97.8  | 67.4  | 125.2 |

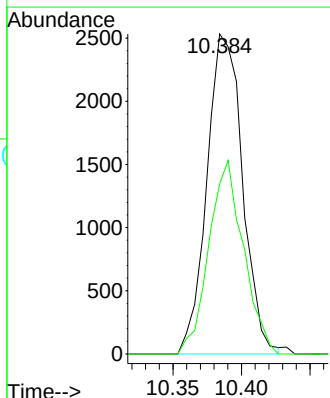
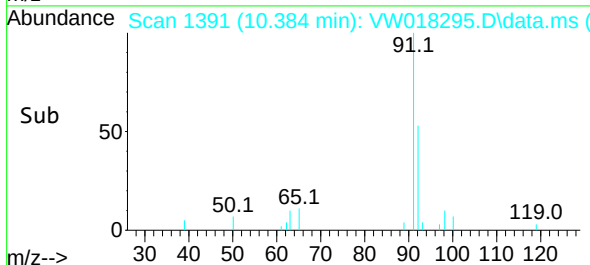


#44  
Toluene  
Concen: 0.24 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: VW018295.D  
Acq: 11 Mar 2021 13:32



Tgt Ion: 91 Resp: 4577

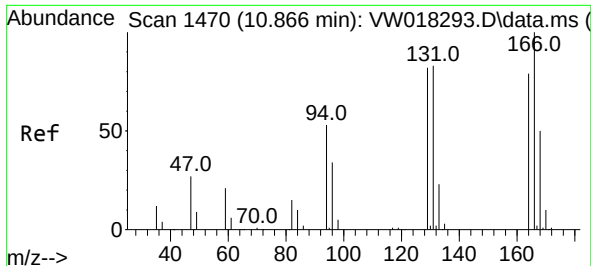
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 53.1  | 42.3  | 78.5  |



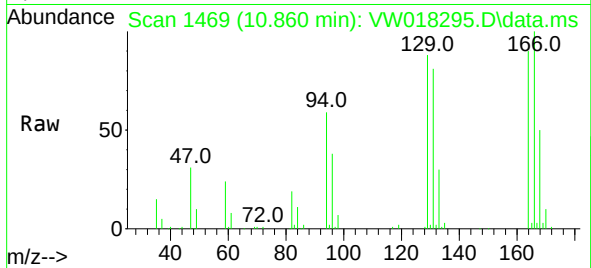
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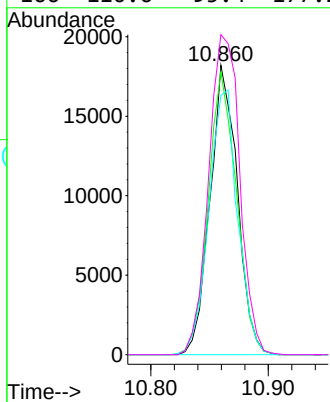
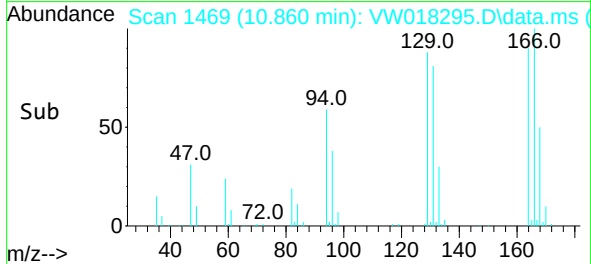
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#47  
Tetrachloroethene  
Concen: 8.02 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: VW018295.D  
Acq: 11 Mar 2021 13:32



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 29424 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 97.7  | 68.8  | 127.8 |
| 131      | 89.7  | 68.3  | 126.8 |
| 166      | 110.6 | 95.4  | 177.2 |



Instrument :  
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