

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040621\  
 Data File : VW018567.D  
 Acq On : 06 Apr 2021 15:30  
 Operator : SY/VA  
 Sample : M1896-20  
 Misc : 5.64G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG5A6

Manual Integrations  
 APPROVED

MMDadoda  
 4/7/2021 5:17:31 PM

Quant Time: Apr 07 01:15:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 07 01:12:48 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 426143     | 25.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628         | 117  | 359329     | 25.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 135003     | 25.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 144267     | 24.33   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 97.32%  |        |          |
| 7) Chloroethane-d5            | 2.892          | 69   | 115702     | 22.29   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 89.16%  |        |          |
| 10) 1,1-Dichloroethene-d2     | 4.026          | 63   | 157996     | 15.43   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 61.72%  |        |          |
| 20) 2-Butanone-d5             | 7.080          | 46   | 84769      | 64.21   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 128.42% |        |          |
| 24) Chloroform-d              | 7.647          | 84   | 244950     | 22.57   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 90.28%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 161470     | 25.48   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 101.92% |        |          |
| 29) Benzene-d6                | 8.275          | 84   | 474243     | 24.83   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 99.32%  |        |          |
| 33) 1,2-Dichloropropane-d6    | 9.275          | 67   | 143073     | 25.96   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 103.84% |        |          |
| 37) Toluene-d8                | 10.323         | 98   | 445399     | 24.22   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 96.88%  |        |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 59171      | 20.82   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 83.28%  |        |          |
| 39) 2-Hexanone-d5             | 10.927         | 63   | 67305      | 62.42   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 124.84% |        |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 140365     | 28.48   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 113.92% |        |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 107332     | 22.36   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 89.44%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 13) Acetone                   | 4.135          | 43   | 10735      | 11.32   | ug/L   | 94       |
| 16) Methylene chloride        | 4.928          | 84   | 6415m      | 0.92    | ug/L   |          |
| 22) cis-1,2-Dichloroethene    | 7.171          | 96   | 68295      | 10.99   | ug/L   | 94       |
| 34) Benzene                   | 8.317          | 78   | 6440       | 0.31    | ug/L   | 100      |
| 44) Toluene                   | 10.384         | 91   | 6932       | 0.29    | ug/L   | 77       |
| 47) Tetrachloroethene         | 10.866         | 164  | 1235       | 0.28    | ug/L # | 72       |
| -----                         |                |      |            |         |        |          |

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

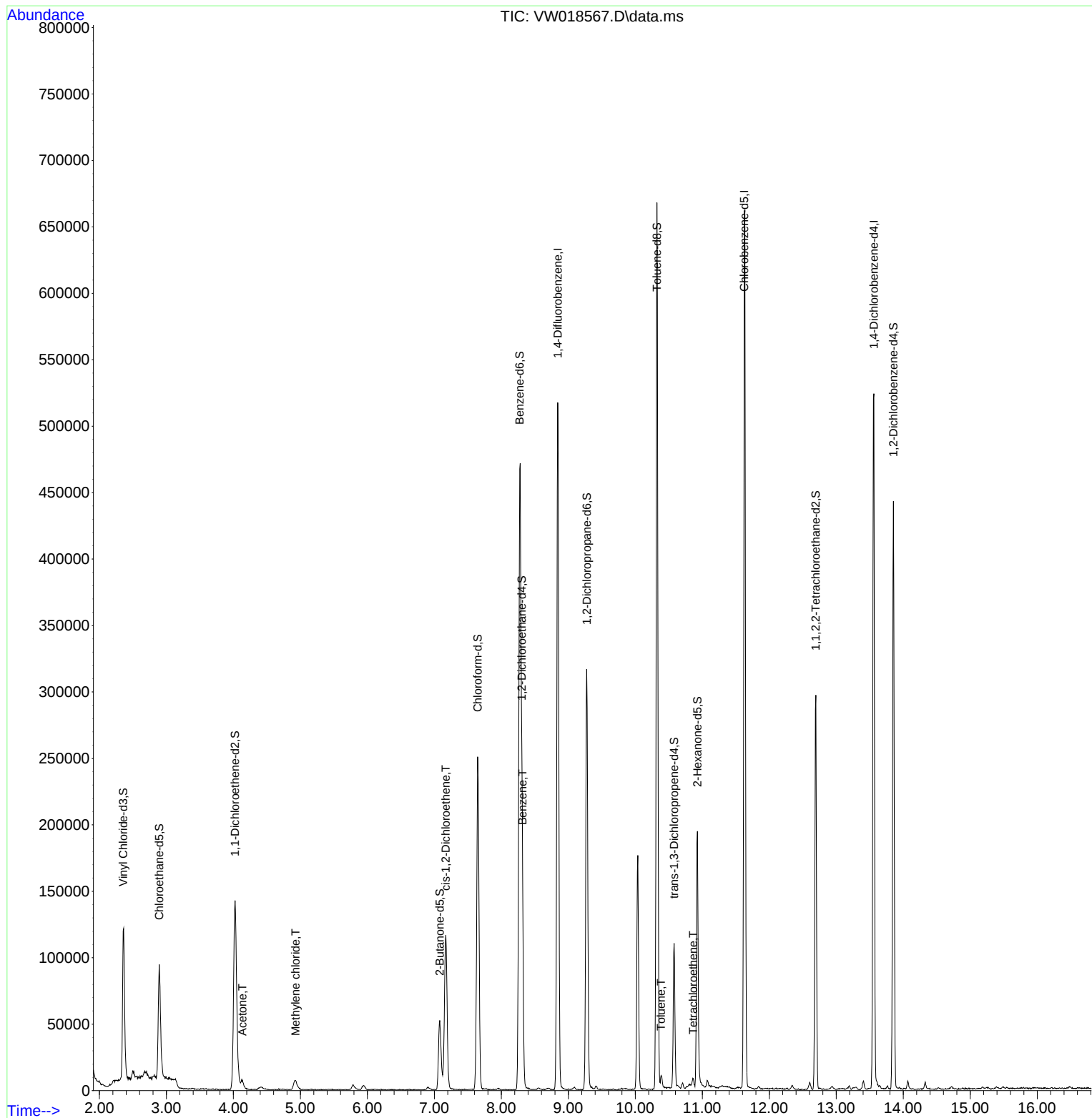
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040621\  
Data File : VW018567.D  
Acq On : 06 Apr 2021 15:30  
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Sample : M1896-20  
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ALS Vial : 12 Sample Multiplier: 1

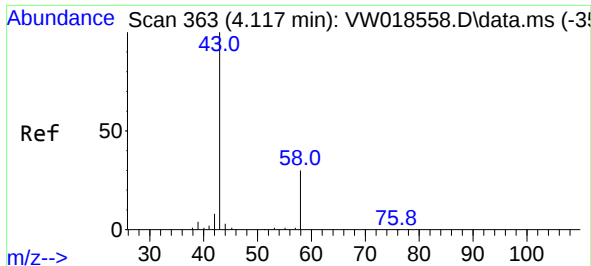
Instrument :  
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ClientSampleId :  
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Quant Time: Apr 07 01:15:26 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 07 01:12:48 2021  
Response via : Initial Calibration





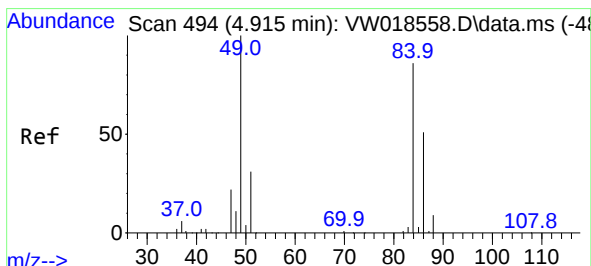
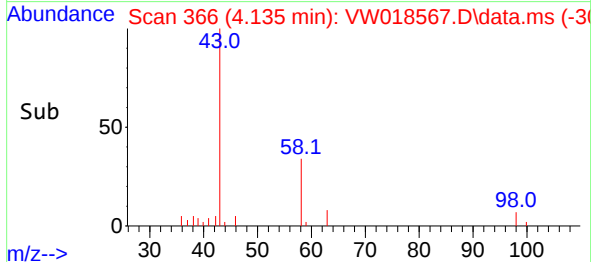
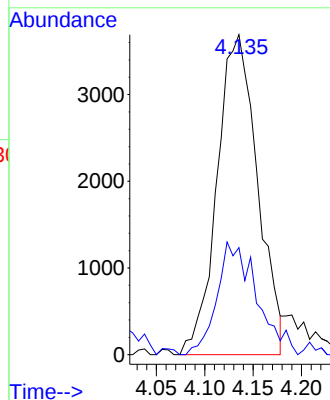
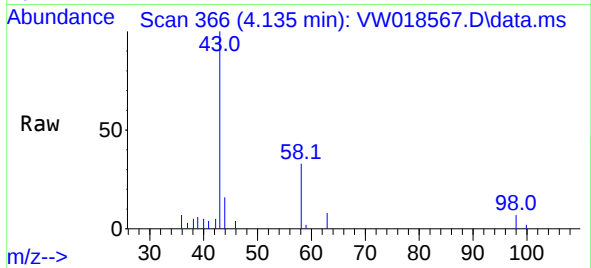
#13  
Acetone  
Concen: 11.32 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. 0.018 min  
Lab File: VW018567.D  
Acq: 06 Apr 2021 15:30

Tgt Ion: 43 Resp: 10735  
Ion Ratio Lower Upper  
43 100  
58 34.6 0.0 62.2

Instrument :  
MSVOA\_W  
ClientSampled :  
BG5A6

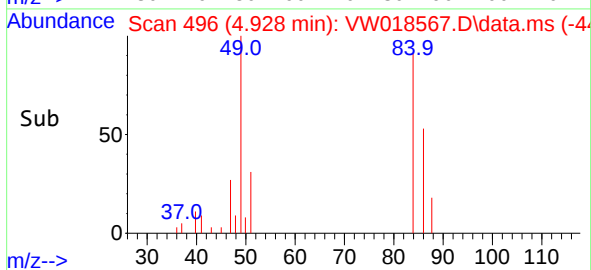
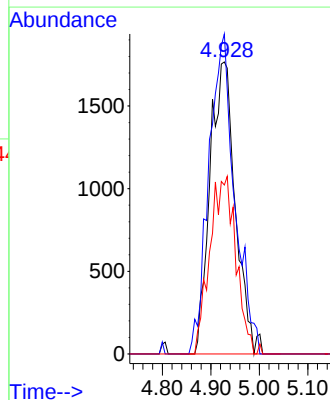
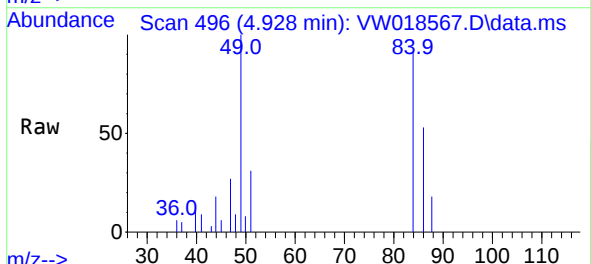
Manual Integrations  
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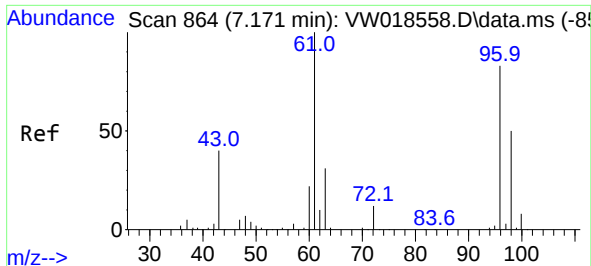
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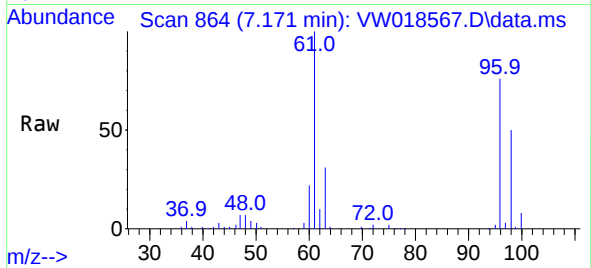
#16  
Methylene chloride  
Concen: 0.92 ug/L m  
RT: 4.928 min Scan# 496  
Delta R.T. 0.012 min  
Lab File: VW018567.D  
Acq: 06 Apr 2021 15:30

Tgt Ion: 84 Resp: 6415  
Ion Ratio Lower Upper  
84 100  
49 109.6 74.4 138.2  
86 57.8 46.1 85.7



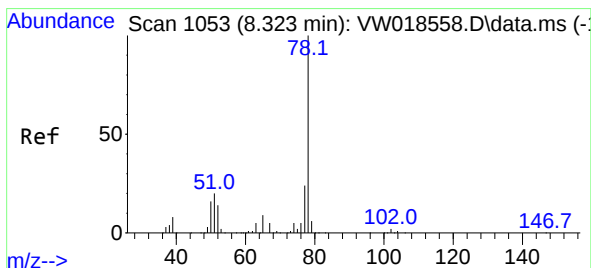
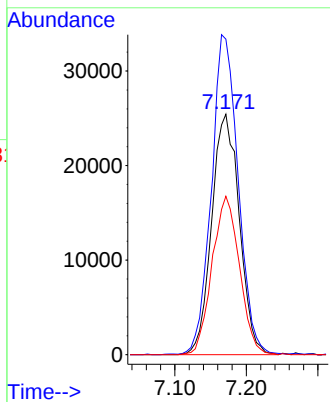
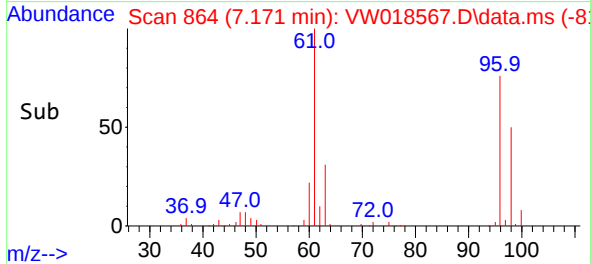


#22  
cis-1,2-Dichloroethene  
Concen: 10.99 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW018567.D  
Acq: 06 Apr 2021 15:30

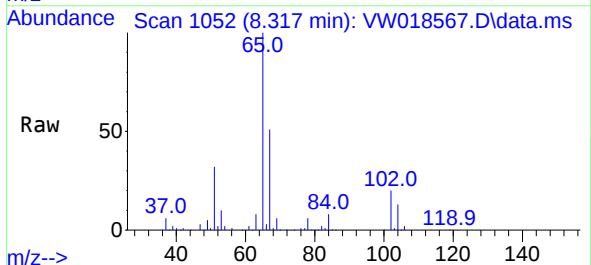


Tgt Ion: 96 Resp: 68295

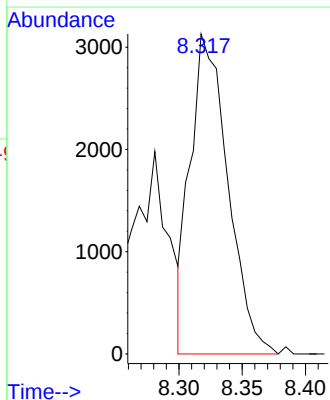
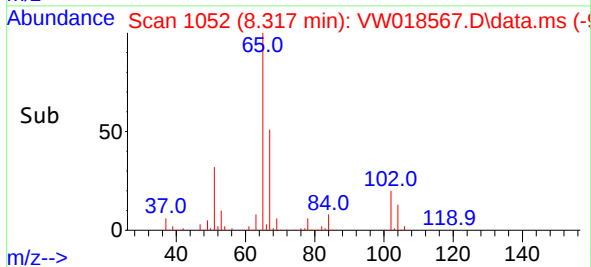
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 131.2 | 84.8  | 157.6 |
| 98  | 65.9  | 45.1  | 83.9  |



#34  
Benzene  
Concen: 0.31 ug/L  
RT: 8.317 min Scan# 1052  
Delta R.T. -0.006 min  
Lab File: VW018567.D  
Acq: 06 Apr 2021 15:30



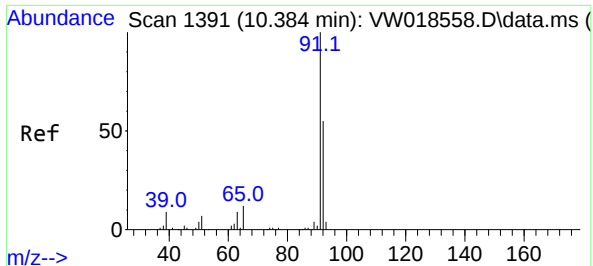
Tgt Ion: 78 Resp: 6440



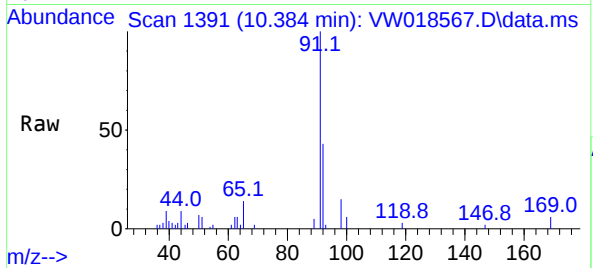
Instrument :  
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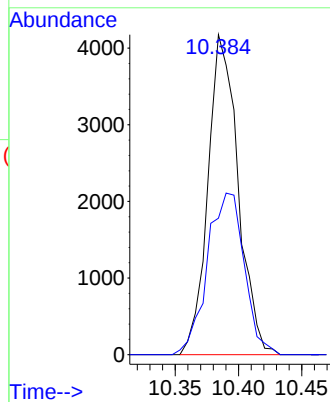
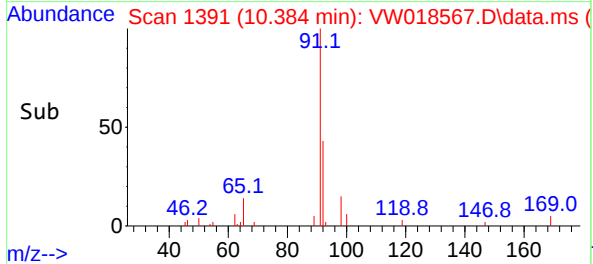
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#44  
Toluene  
Concen: 0.29 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: VW018567.D  
Acq: 06 Apr 2021 15:30



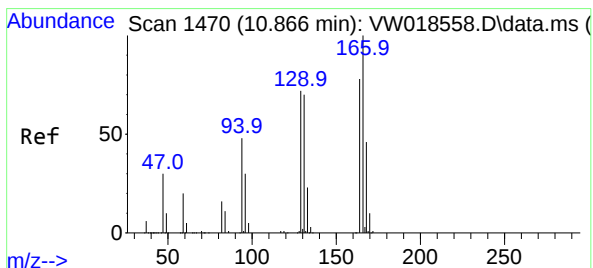
Tgt Ion: 91 Resp: 6932  
Ion Ratio Lower Upper  
91 100  
92 42.6 42.3 78.5



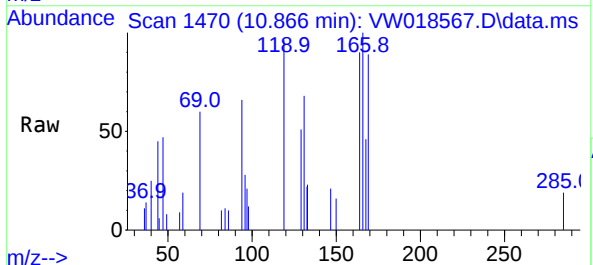
Instrument :  
MSVOA\_W  
ClientSampled :  
BG5A6

Manual Integrations  
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#47  
Tetrachloroethene  
Concen: 0.28 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VW018567.D  
Acq: 06 Apr 2021 15:30



Tgt Ion:164 Resp: 1235  
Ion Ratio Lower Upper  
164 100  
129 56.6 68.8 127.8#  
131 75.6 68.3 126.8  
166 111.1 95.4 177.2

