

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031921\  
 Data File : VW018393.D  
 Acq On : 19 Mar 2021 16:52  
 Operator : SY/VA  
 Sample : M1685-22  
 Misc : 5.92G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG4H0

Manual Integrations  
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MMDadoda  
 3/22/2021 4:14:10 PM

Quant Time: Mar 20 01:42:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 20 01:36:44 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 312638              | 25.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628         | 117  | 243369              | 25.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 74509               | 25.00   | ug/L   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 4) Vinyl Chloride-d3          | 2.361          | 65   | 166242              | 38.21   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 152.84%# |         |        |          |
| 7) Chloroethane-d5            | 2.892          | 69   | 137273              | 36.05   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 144.20%  |         |        |          |
| 10) 1,1-Dichloroethene-d2     | 4.025          | 63   | 189541              | 25.23   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 100.92%  |         |        |          |
| 20) 2-Butanone-d5             | 7.080          | 46   | 71437m              | 73.75   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 147.50%# |         |        |          |
| 24) Chloroform-d              | 7.647          | 84   | 240317              | 30.18   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 120.72%  |         |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 148235              | 31.89   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 127.56%  |         |        |          |
| 29) Benzene-d6                | 8.275          | 84   | 471753              | 36.46   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 145.84%# |         |        |          |
| 33) 1,2-Dichloropropane-d6    | 9.275          | 67   | 138772              | 37.18   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 148.72%# |         |        |          |
| 37) Toluene-d8                | 10.323         | 98   | 411011              | 32.99   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 131.96%# |         |        |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 56808               | 29.52   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 118.08%  |         |        |          |
| 39) 2-Hexanone-d5             | 10.927         | 63   | 55666               | 76.22   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 152.44%# |         |        |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.689         | 84   | 109622              | 32.84   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 131.36%# |         |        |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 81808               | 30.88   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 123.52%# |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 5) Vinyl chloride             | 2.367          | 62   | 1286381             | 216.43  | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.050          | 96   | 24498m              | 6.24    | ug/L   |          |
| 13) Acetone                   | 4.123          | 43   | 53682               | 77.15   | ug/L   | 93       |
| 14) Carbon disulfide          | 4.379          | 76   | 22297m              | 1.89    | ug/L   |          |
| 16) Methylene chloride        | 4.922          | 84   | 20335               | 3.97    | ug/L   | 90       |
| 18) trans-1,2-Dichloroethene  | 5.428          | 96   | 113460              | 26.19   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 7.171          | 96   | 18024809            | 3955.37 | ug/L   | 95       |
| 35) Trichloroethene           | 9.098          | 95   | 1933                | 0.50    | ug/L   | 97       |
| 47) Tetrachloroethene         | 10.860         | 164  | 4158                | 1.41    | ug/L   | 91       |
| 49) 2-Hexanone                | 10.969         | 43   | 6080                | 4.14    | ug/L # | 87       |
| -----                         |                |      |                     |         |        |          |

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

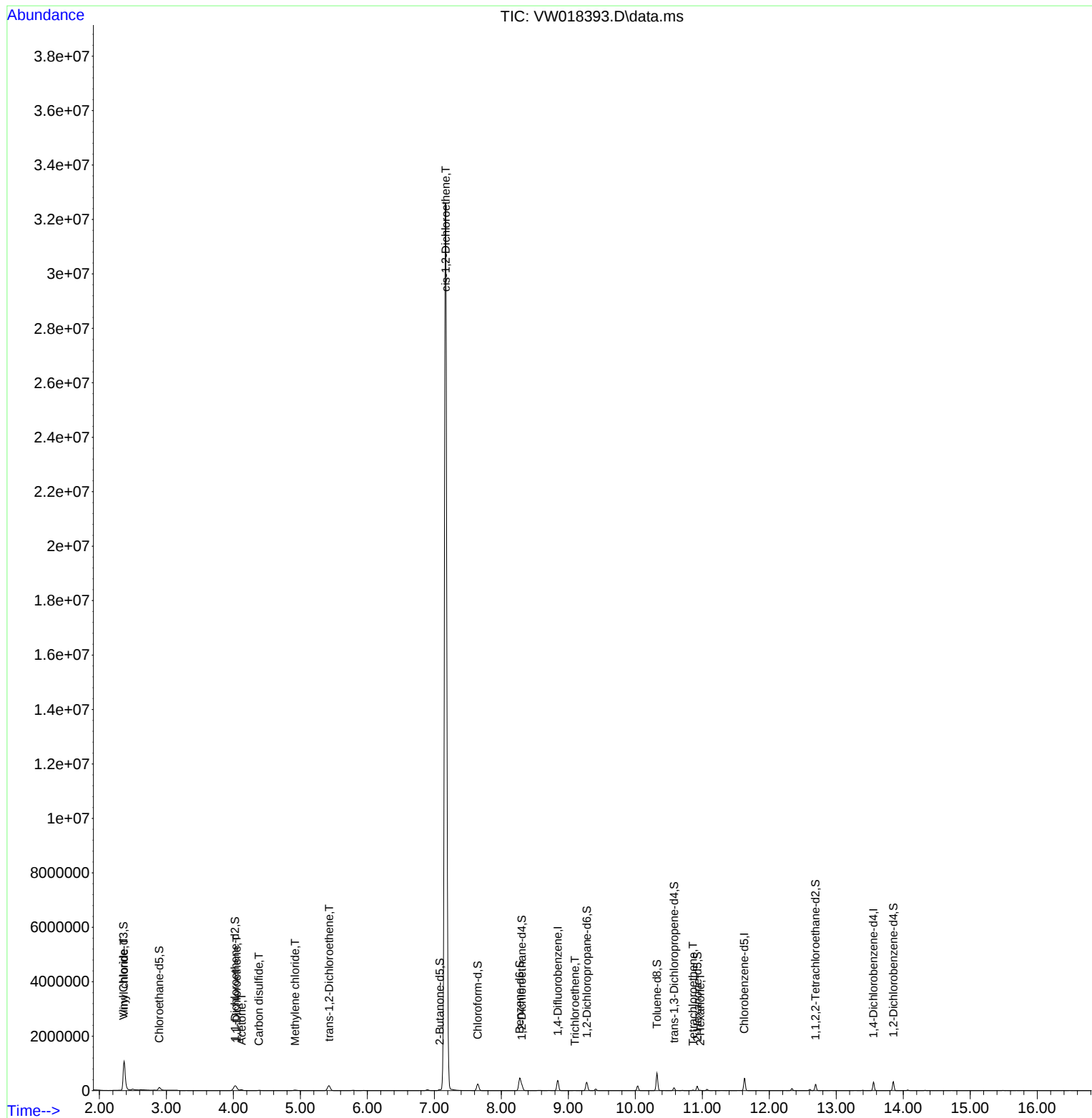
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031921\  
Data File : VW018393.D  
Acq On : 19 Mar 2021 16:52  
Operator : SY/VA  
Sample : M1685-22  
Misc : 5.92G/10ML/MSVOA\_W/SOIL  
ALS Vial : 28 Sample Multiplier: 1

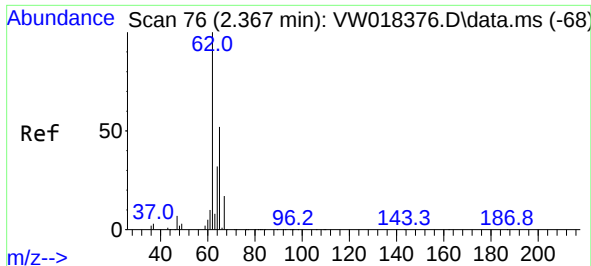
Instrument :  
MSVOA\_W  
ClientSampleId :  
BG4H0

Manual Integrations  
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Quant Time: Mar 20 01:42:50 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Mar 20 01:36:44 2021  
Response via : Initial Calibration





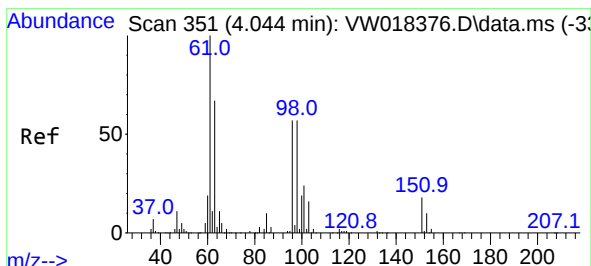
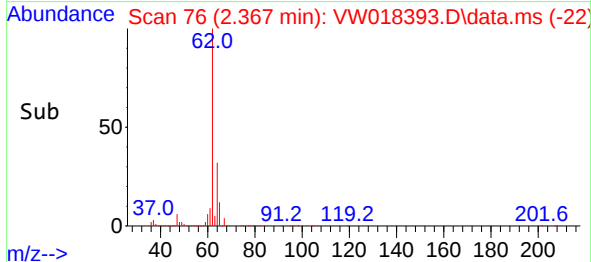
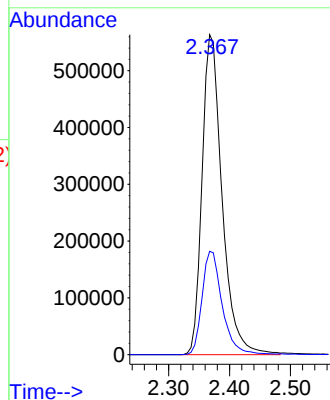
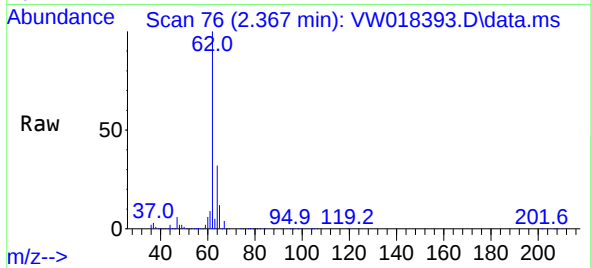
#5  
 Vinyl chloride  
 Concen: 216.43 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. 0.000 min  
 Lab File: VW018393.D  
 Acq: 19 Mar 2021 16:52

Tgt Ion: 62 Resp: 1286381  
 Ion Ratio Lower Upper  
 62 100  
 64 32.3 23.5 43.7

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 BG4H0

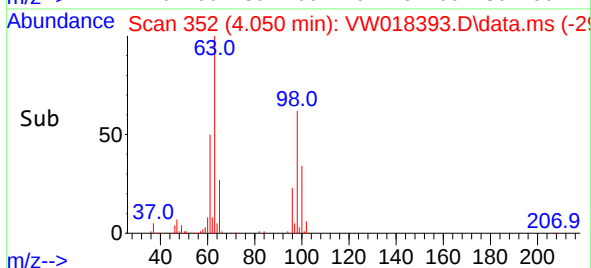
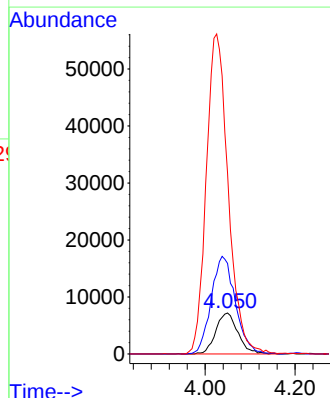
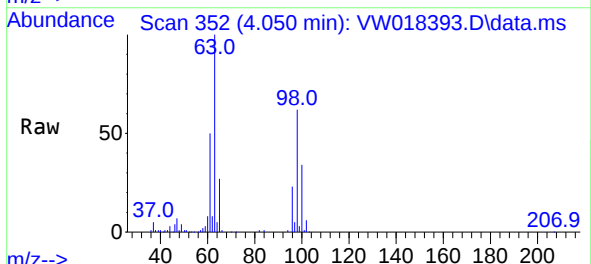
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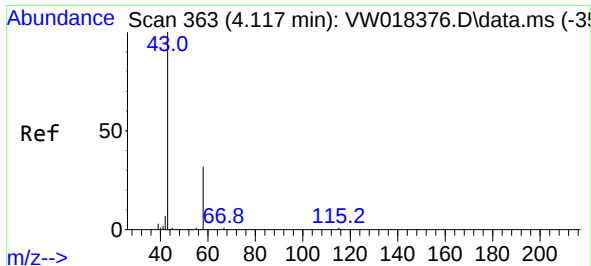
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#12  
 1,1-Dichloroethene  
 Concen: 6.24 ug/L m  
 RT: 4.050 min Scan# 352  
 Delta R.T. 0.006 min  
 Lab File: VW018393.D  
 Acq: 19 Mar 2021 16:52

Tgt Ion: 96 Resp: 24498  
 Ion Ratio Lower Upper  
 96 100  
 61 220.9 118.6 220.2#  
 63 441.1 82.4 153.0#





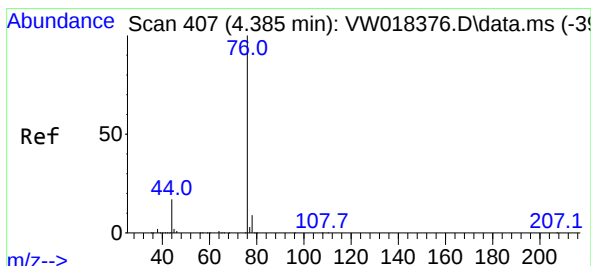
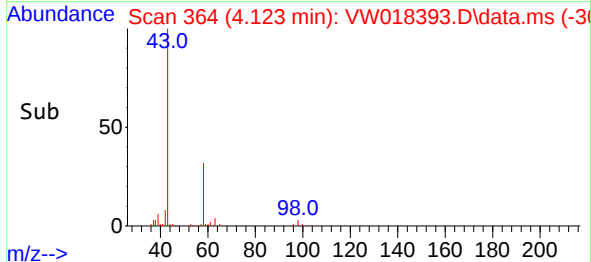
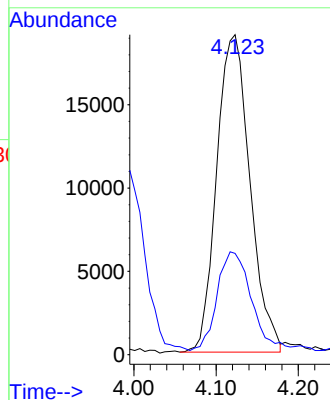
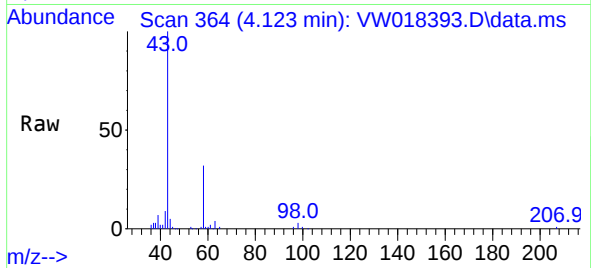
#13  
Acetone  
Concen: 77.15 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. 0.006 min  
Lab File: VW018393.D  
Acq: 19 Mar 2021 16:52

Tgt Ion: 43 Resp: 53682  
Ion Ratio Lower Upper  
43 100  
58 34.7 0.0 62.2

Instrument :  
MSVOA\_W  
ClientSampled :  
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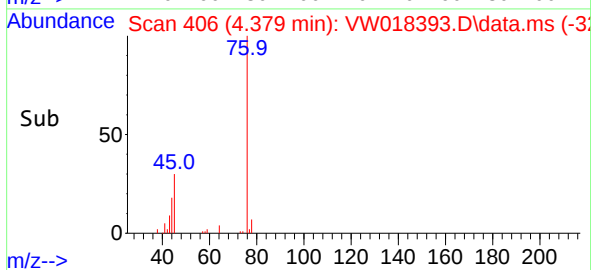
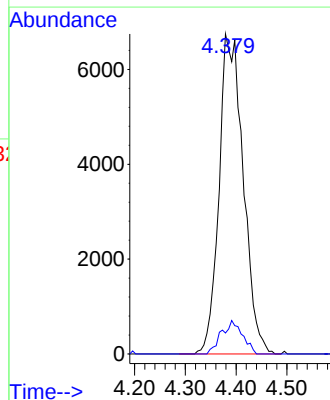
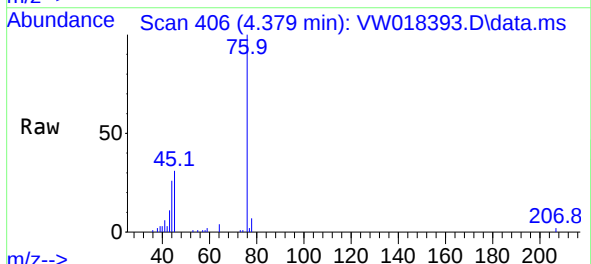
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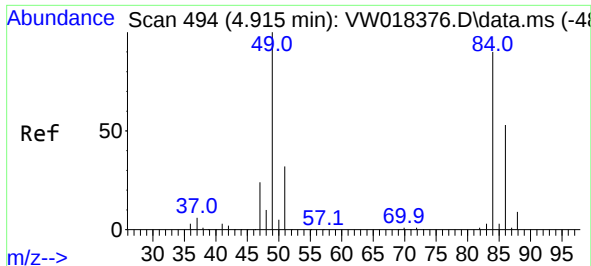
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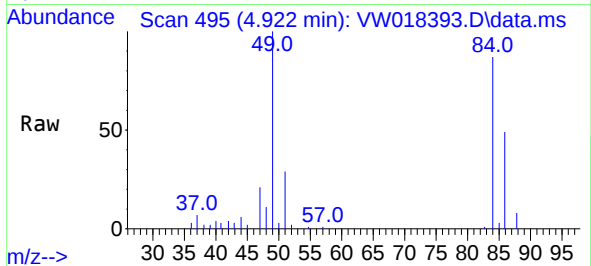
#14  
Carbon disulfide  
Concen: 1.89 ug/L m  
RT: 4.379 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: VW018393.D  
Acq: 19 Mar 2021 16:52

Tgt Ion: 76 Resp: 22297  
Ion Ratio Lower Upper  
76 100  
78 6.6 7.4 11.2#



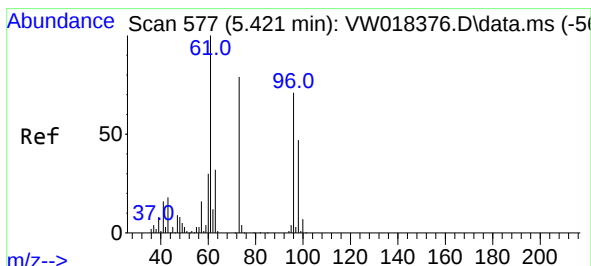
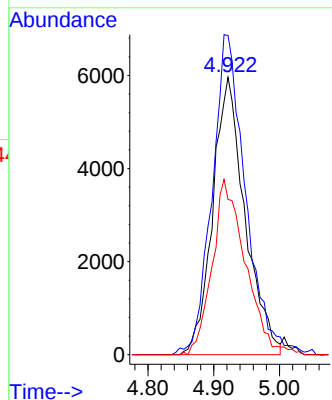
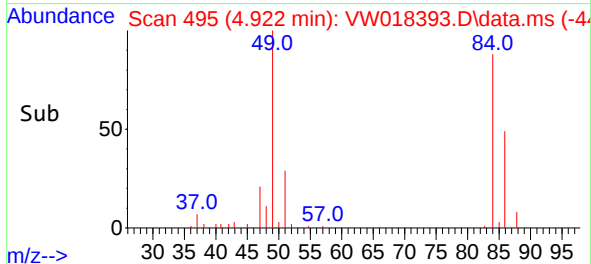


#16  
Methylene chloride  
Concen: 3.97 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW018393.D  
Acq: 19 Mar 2021 16:52

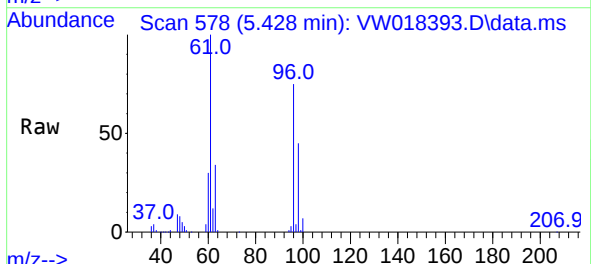


Tgt Ion: 84 Resp: 20335

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 115.1 | 74.4  | 138.2 |
| 86  | 56.0  | 46.1  | 85.7  |

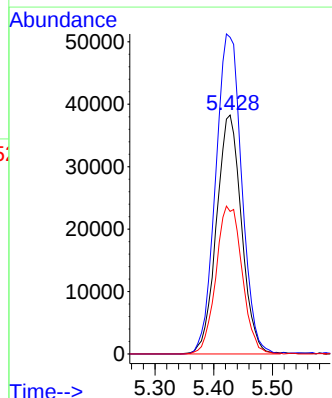
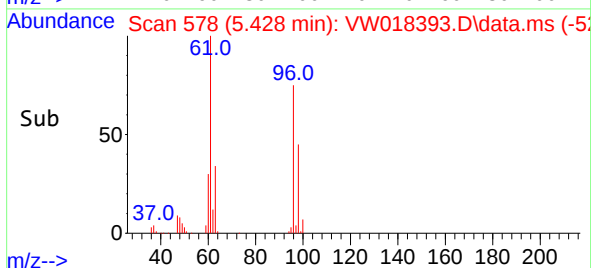


#18  
trans-1,2-Dichloroethene  
Concen: 26.19 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: VW018393.D  
Acq: 19 Mar 2021 16:52



Tgt Ion: 96 Resp: 113460

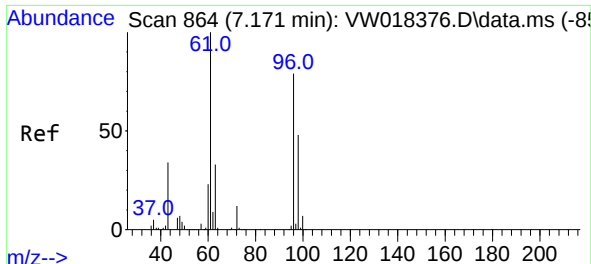
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.6 | 93.3  | 173.3 |
| 98  | 59.7  | 45.2  | 84.0  |



Instrument :  
MSVOA\_W  
ClientSampled :  
BG4H0

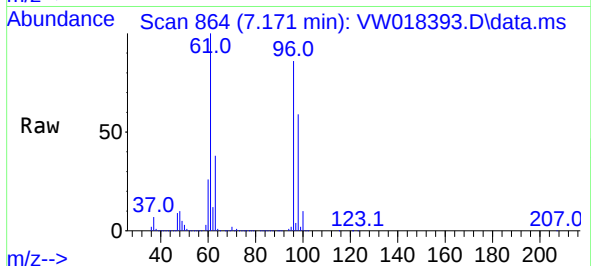
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#22  
cis-1,2-Dichloroethene  
Concen: 3955.37 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW018393.D  
Acq: 19 Mar 2021 16:52

Instrument :  
MSVOA\_W  
ClientSampled :  
BG4H0

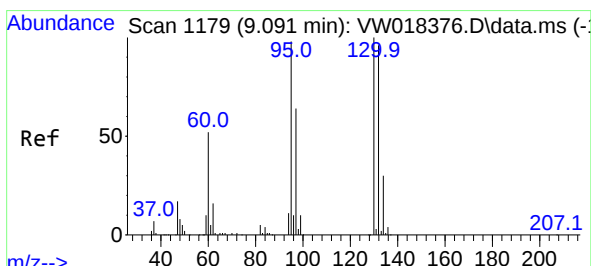
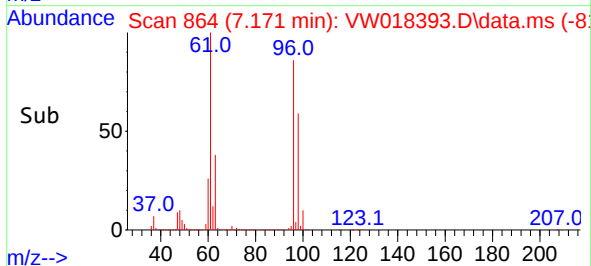
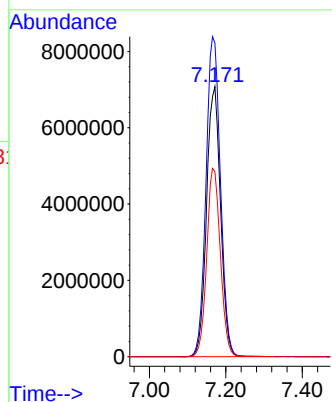


Tgt Ion: 96 Resp:18024809

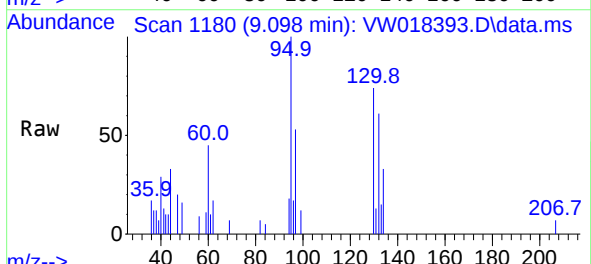
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 116.1 | 84.8  | 157.6 |
| 98  | 68.5  | 45.1  | 83.9  |

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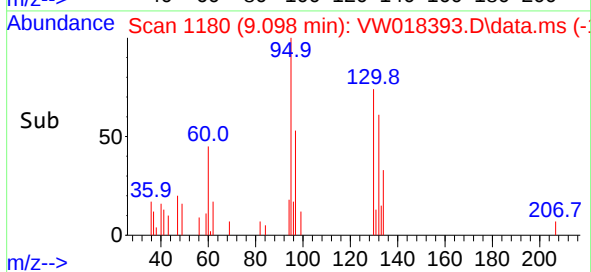
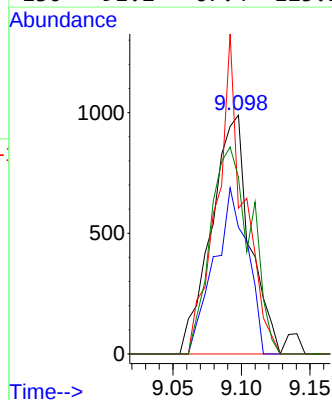


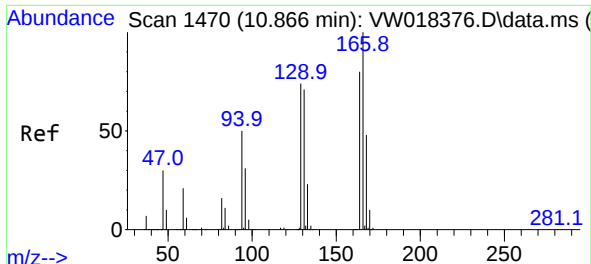
#35  
Trichloroethene  
Concen: 0.50 ug/L  
RT: 9.098 min Scan# 1180  
Delta R.T. 0.006 min  
Lab File: VW018393.D  
Acq: 19 Mar 2021 16:52



Tgt Ion: 95 Resp: 1933

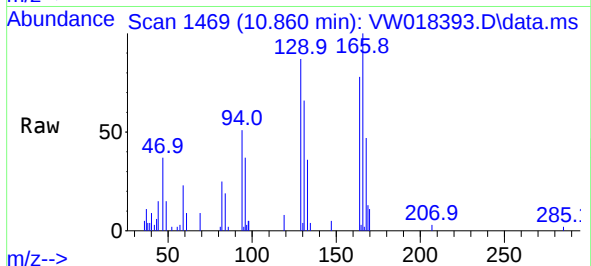
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 59.6  | 44.4  | 82.4  |
| 132 | 94.5  | 65.9  | 122.5 |
| 130 | 91.2  | 67.4  | 125.2 |





#47  
Tetrachloroethene  
Concen: 1.41 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: VW018393.D  
Acq: 19 Mar 2021 16:52

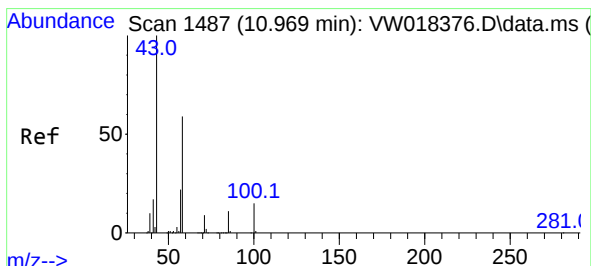
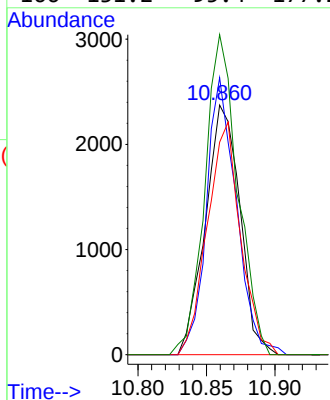
Instrument :  
MSVOA\_W  
ClientSampled :  
BG4H0



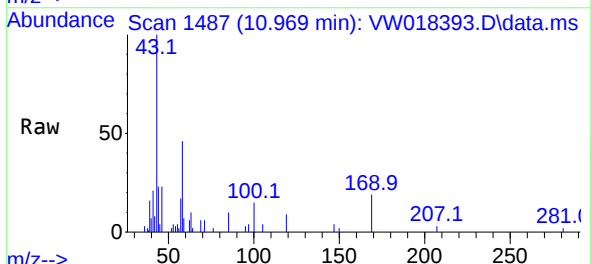
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|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 4158  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 111.0 | 68.8  | 127.8 |
| 131      | 85.1  | 68.3  | 126.8 |
| 166      | 131.2 | 95.4  | 177.2 |

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#49  
2-Hexanone  
Concen: 4.14 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW018393.D  
Acq: 19 Mar 2021 16:52



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 6080  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 46.4  | 47.3  | 70.9# |
| 57       | 18.2  | 17.3  | 25.9  |
| 100      | 14.2  | 12.9  | 19.3  |

