

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082620\  
 Data File : VW016376.D  
 Acq On : 26 Aug 2020 18:44  
 Operator : SY/VA  
 Sample : L3800-06  
 Misc : 6.82G/10ML/MSVOA W/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG3H6

Manual Integrations  
 APPROVED

MMDadoda  
 8/28/2020 9:35:39 AM

Quant Time: Aug 27 04:42:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 27 02:40:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 276881   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 230191   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 79777    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 42436    | 14.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 57.40%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 38744    | 17.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 69.08%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 85772    | 12.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 48.84%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 33145    | 39.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.84%  |
| 24) Chloroform-d               | 7.65   | 84    | 145807   | 20.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 80.80%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 76001    | 20.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 81.72%  |
| 29) Benzene-d6                 | 8.28   | 84    | 263466   | 20.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 82.00%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 77166    | 21.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.80%  |
| 37) Toluene-d8                 | 10.33  | 98    | 228613   | 18.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 75.44%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 33026    | 19.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.96%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 29410    | 51.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 103.24% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 63072    | 21.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.24%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 61587    | 20.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 80.52%  |

## Target Compounds

|                              |       |     |         |              | Ovalue |
|------------------------------|-------|-----|---------|--------------|--------|
| 5) Vinyl chloride            | 2.36  | 62  | 35830   | 11.075 ug/L  | 94     |
| 13) Acetone                  | 4.12  | 43  | 4075m   | 5.840 ug/L   |        |
| 16) Methylene chloride       | 4.92  | 84  | 24036   | 4.696 ug/L   | 94     |
| 18) trans-1,2-Dichloroethene | 5.43  | 96  | 4343    | 1.125 ug/L   | 97     |
| 22) cis-1,2-Dichloroethene   | 7.17  | 96  | 670241  | 165.051 ug/L | 97     |
| 35) Trichloroethene          | 9.09  | 95  | 147428  | 39.436 ug/L  | 98     |
| 47) Tetrachloroethene        | 10.87 | 164 | 1222209 | 414.587 ug/L | 98     |

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

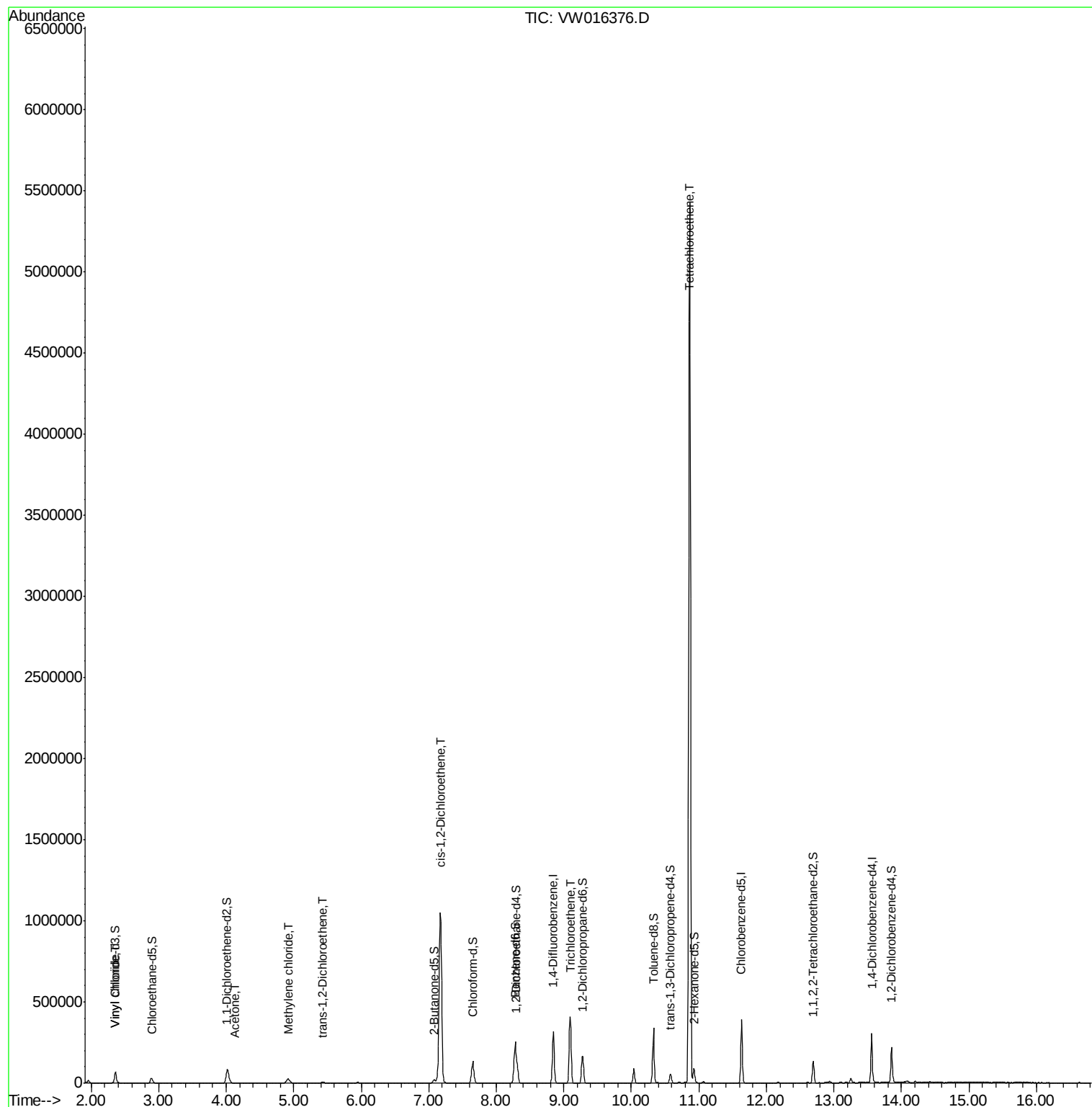
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082620\  
Data File : VW016376.D  
Acq On : 26 Aug 2020 18:44  
Operator : SY/VA  
Sample : L3800-06  
Misc : 6.82G/10ML/MSVOA W/SOIL  
ALS Vial : 25 Sample Multiplier: 1

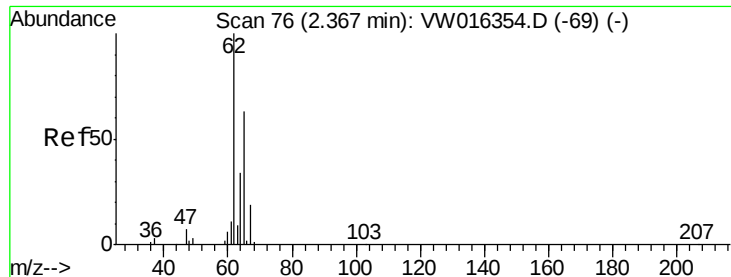
Instrument :  
MSVOA\_W  
ClientSampleId :  
BG3H6

Manual Integrations  
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8/28/2020 9:35:39 AM

Quant Time: Aug 27 04:42:32 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082420S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Aug 27 02:40:32 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 11.075 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016376.D

Acq: 26 Aug 2020 18:44

Instrument :

MSVOA\_W

ClientSampleId :

BG3H6

Tot Ion: 62 Resp: 35830

Ion Ratio Lower Upper

62 100

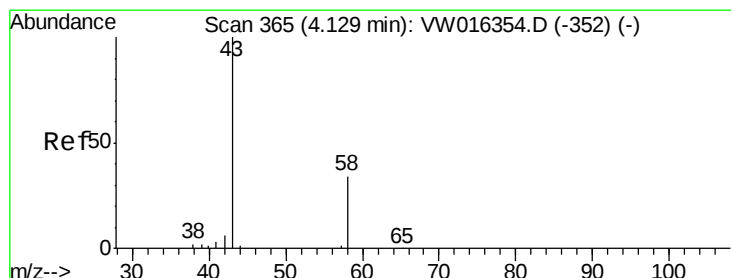
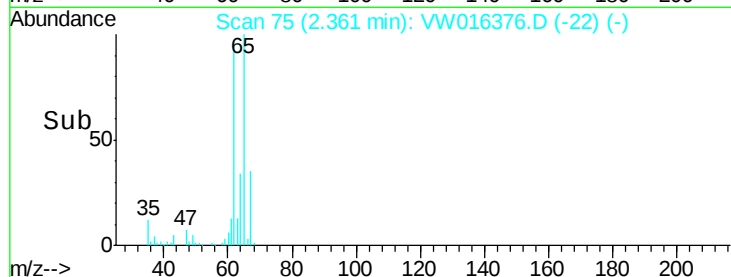
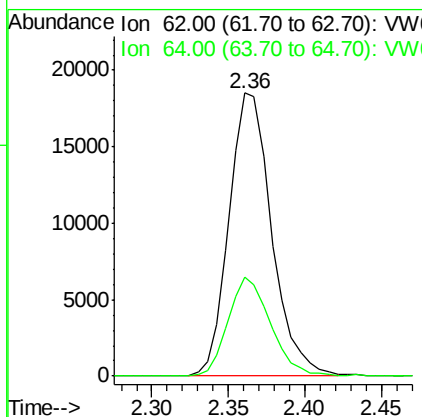
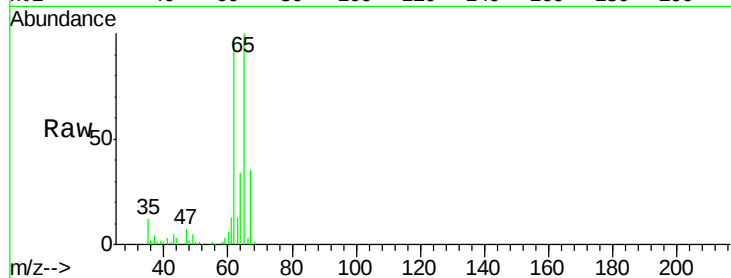
64 34.9 22.0 41.0

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#13

Acetone

Concen: 5.840 ug/L m

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016376.D

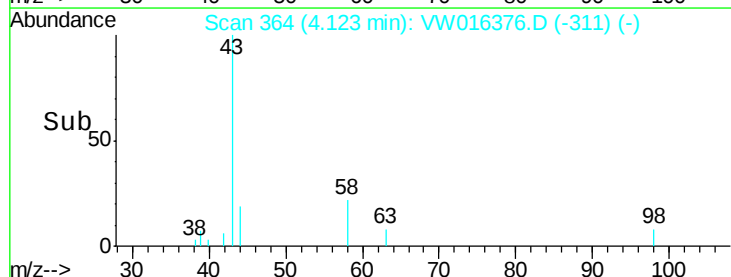
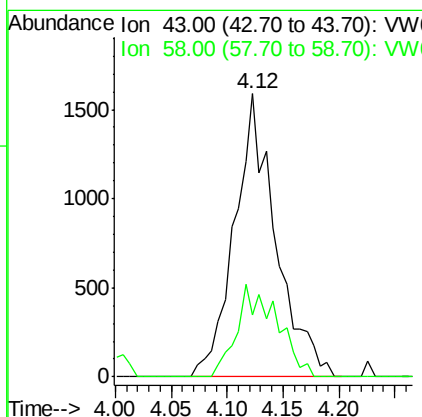
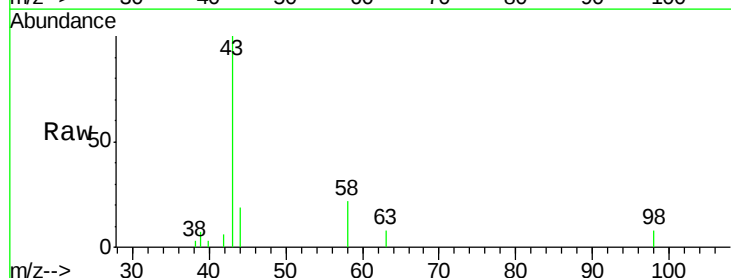
Acq: 26 Aug 2020 18:44

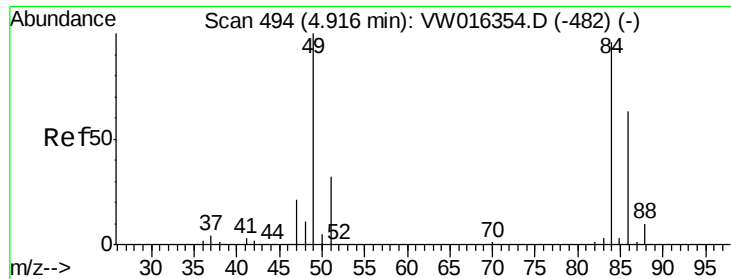
Tgt Ion: 43 Resp: 4075

Ion Ratio Lower Upper

43 100

58 31.5 0.0 63.8





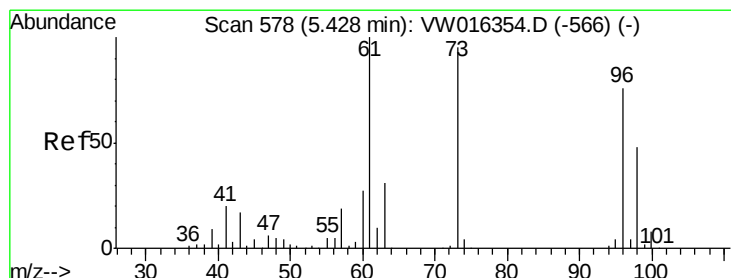
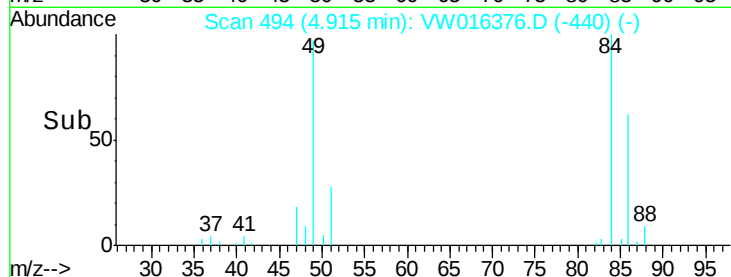
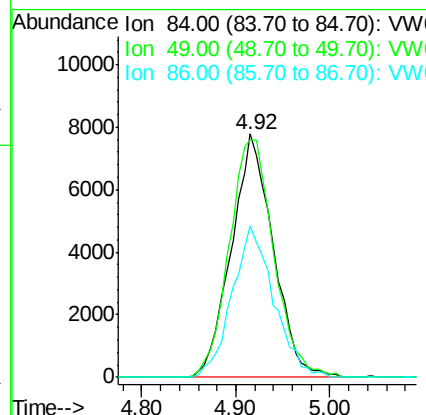
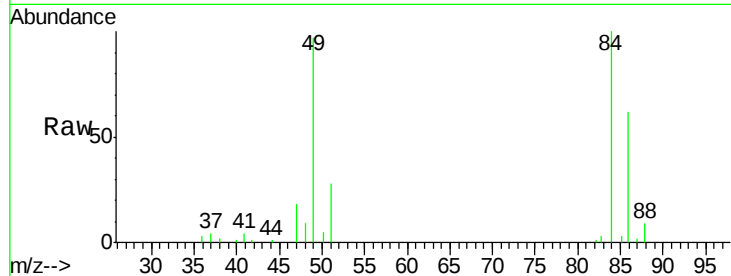
#16  
Methvlene chloride  
Concen: 4.696 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: VW016376.D  
Acq: 26 Aug 2020 18:44

Instrument :  
MSVOA\_W  
ClientSampled :  
BG3H6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 97.4  | 75.3  | 139.9 |
| 86      | 62.1  | 43.3  | 80.3  |

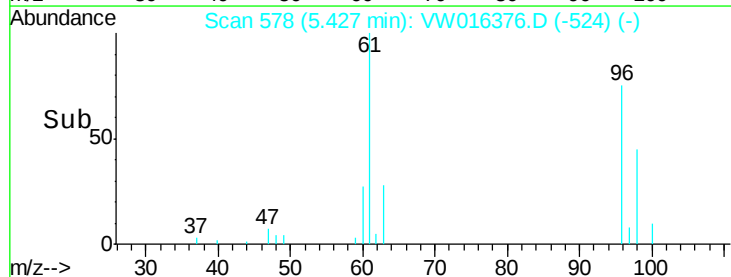
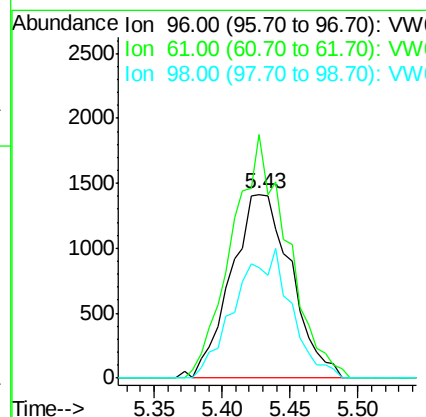
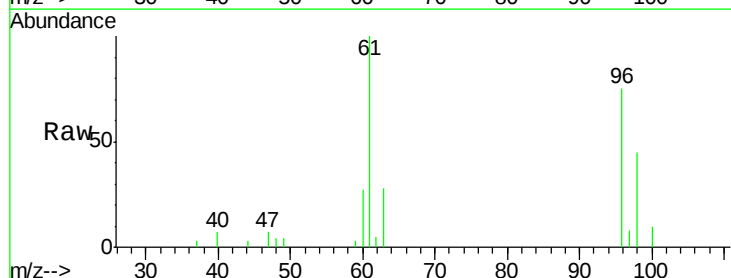
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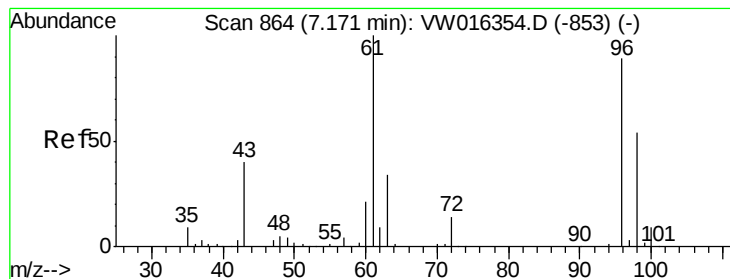
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#18  
trans-1,2-Dichloroethene  
Concen: 1.125 ug/L  
RT: 5.43 min Scan# 578  
Delta R.T. -0.00 min  
Lab File: VW016376.D  
Acq: 26 Aug 2020 18:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 132.7 | 89.9  | 167.0 |
| 98      | 60.2  | 41.6  | 77.2  |





#22

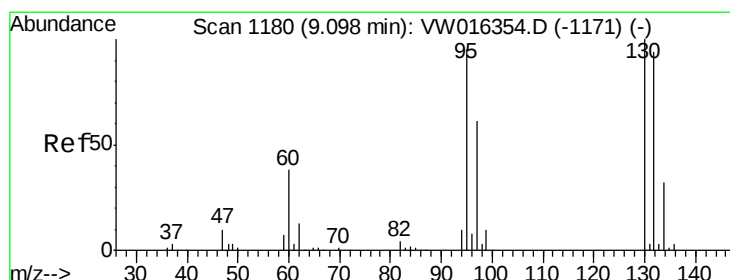
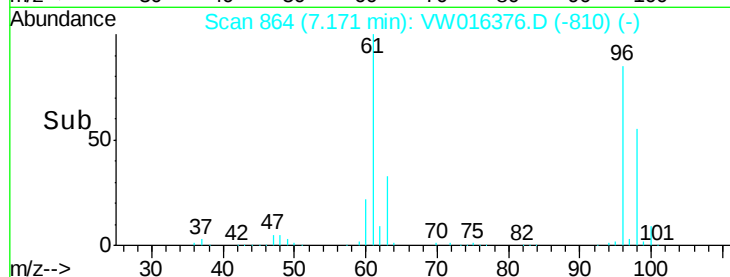
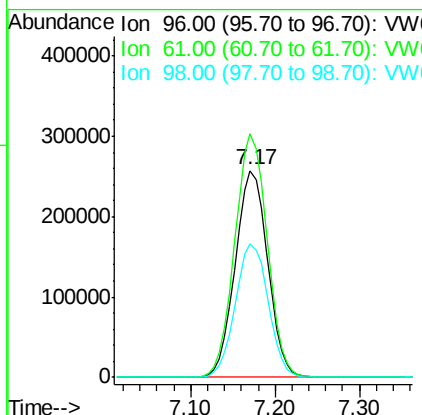
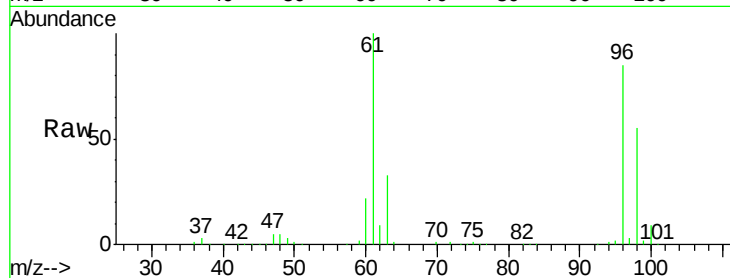
cis-1,2-Dichloroethene  
Concen: 165.051 ug/L  
RT: 7.17 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VW016376.D  
Acq: 26 Aug 2020 18:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG3H6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 117.7 | 84.9  | 157.7 |
| 98      | 64.5  | 46.8  | 86.8  |

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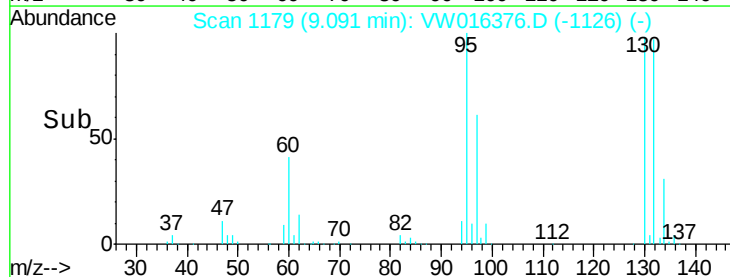
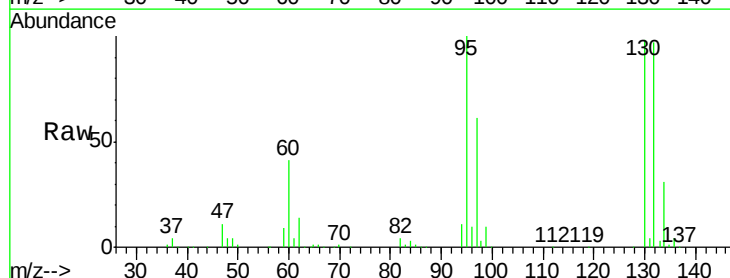
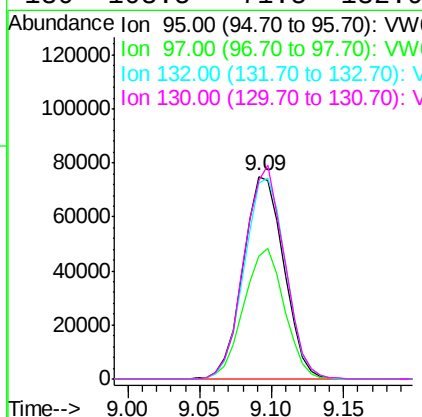
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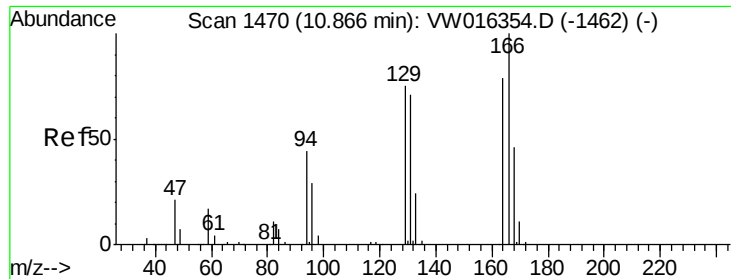


#35

Trichloroethene  
Concen: 39.436 ug/L  
RT: 9.09 min Scan# 1179  
Delta R.T. -0.01 min  
Lab File: VW016376.D  
Acq: 26 Aug 2020 18:44

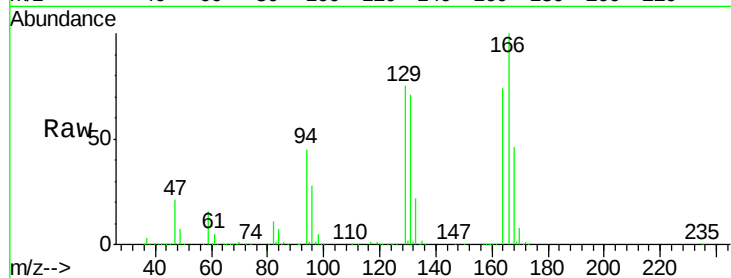
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 97      | 64.3  | 44.9  | 83.5  |
| 132     | 100.2 | 68.2  | 126.6 |
| 130     | 103.5 | 71.5  | 132.9 |





#47  
Tetrachloroethene  
Concen: 414.587 ug/L  
RT: 10.87 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VW016376.D  
Acq: 26 Aug 2020 18:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG3H6



|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 164   | Resp: | 1222209 |
| Ion      | Ratio | Lower | Upper   |
| 164      | 100   |       |         |
| 129      | 100.8 | 71.5  | 132.7   |
| 131      | 95.2  | 67.4  | 125.2   |
| 166      | 134.6 | 92.5  | 171.9   |

Manual Integrations  
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8/28/2020 9:35:39 AM

