

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101720\  
 Data File : VW016930.D  
 Acq On : 16 Oct 2020 16:04  
 Operator : SY/VA  
 Sample : L4426-11  
 Misc : 5.29G/10ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG3Y6

Manual Integrations  
 APPROVED

MMDadoda  
 10/19/2020 11:53:03 AM

Quant Time: Oct 17 01:59:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 17 00:37:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 563487   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 500625   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 228959   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 118366   | 21.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.16%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 103475   | 22.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.76%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 181814   | 15.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.60%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 65073    | 51.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 103.36% |
| 24) Chloroform-d               | 7.65   | 84    | 288999   | 24.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.24%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 145681   | 25.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 101.48% |
| 29) Benzene-d6                 | 8.27   | 84    | 580830   | 25.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 102.20% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 160974   | 26.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 105.36% |
| 37) Toluene-d8                 | 10.32  | 98    | 540298   | 25.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.72% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 65730    | 24.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.56%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 53991    | 57.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 114.28% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 132024   | 26.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 107.00% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 187759   | 25.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.40% |

## Target Compounds

| Target Compounds       | R.T.  | QIon | Response | Conc    | Units | Ovalue |
|------------------------|-------|------|----------|---------|-------|--------|
| 13) Acetone            | 4.12  | 43   | 4320m    | 4.534   | ug/L  |        |
| 14) Carbon disulfide   | 4.39  | 76   | 21956    | 1.051   | ug/L  | 97     |
| 16) Methylene chloride | 4.93  | 84   | 12816    | 1.648   | ug/L  | 97     |
| 35) Trichloroethene    | 9.09  | 95   | 4562     | 0.600   | ug/L  | 98     |
| 47) Tetrachloroethene  | 10.87 | 164  | 3038723  | 431.012 | ug/L  | 95     |

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

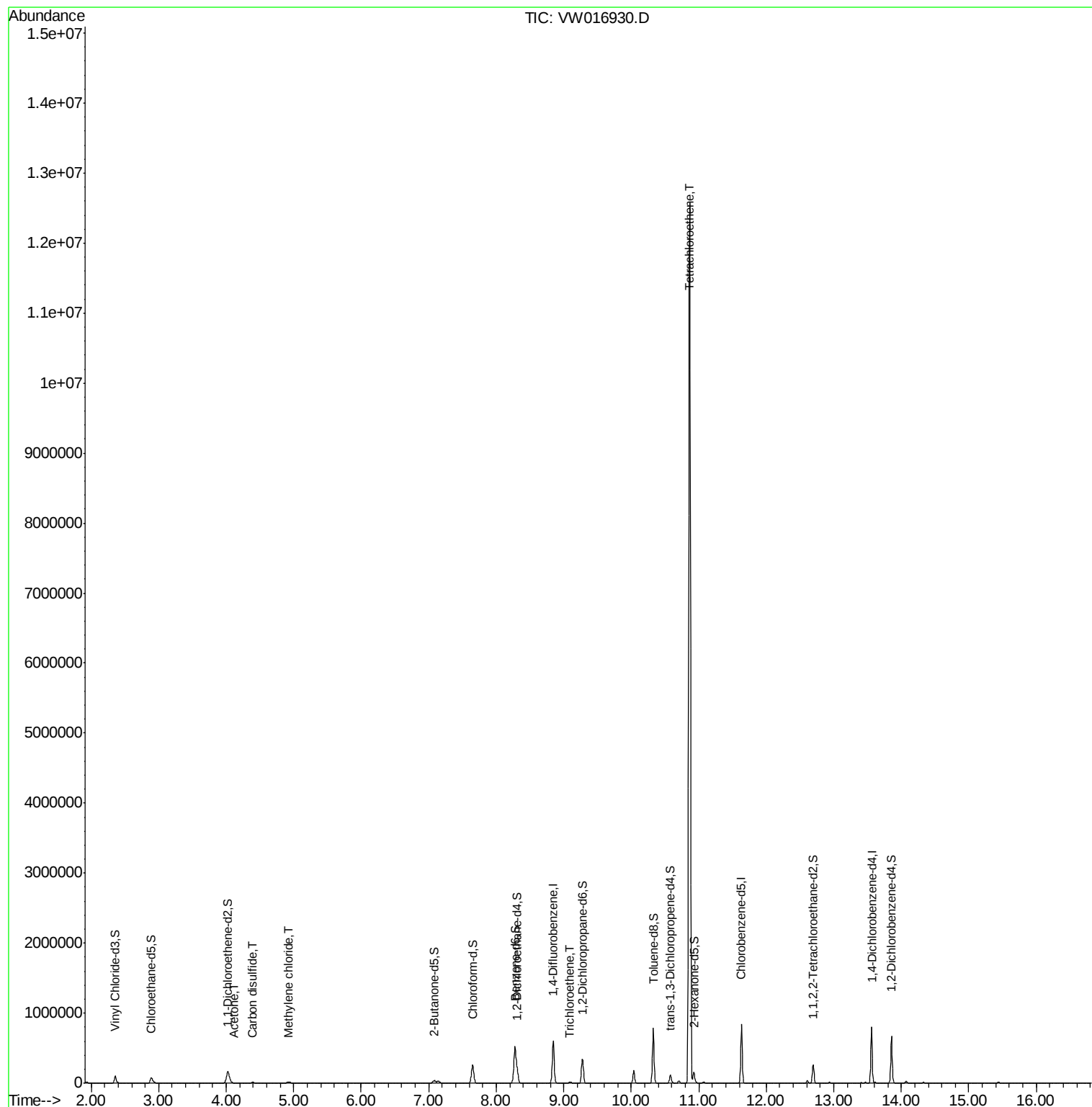
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101720\  
Data File : VW016930.D  
Acq On : 16 Oct 2020 16:04  
Operator : SY/VA  
Sample : L4426-11  
Misc : 5.29G/10ML/MSVOA W/SOIL  
ALS Vial : 10 Sample Multiplier: 1

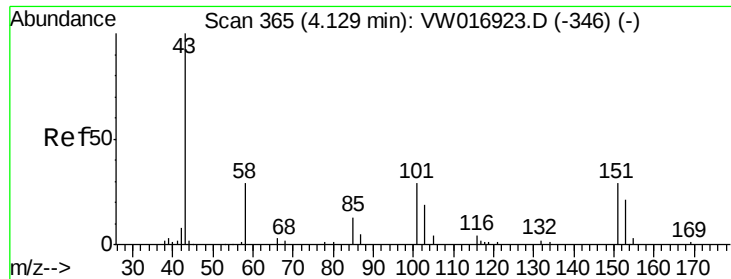
Instrument :  
MSVOA\_W  
ClientSampleId :  
BG3Y6

Manual Integrations  
APPROVED

MMDadoda  
10/19/2020 11:53:03 AM

Quant Time: Oct 17 01:59:14 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Oct 17 00:37:07 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 4.534 ug/L m

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016930.D

Acq: 16 Oct 2020 16:04

Instrument :

MSVOA\_W

ClientSampleId :

BG3Y6

Tot Ion: 43 Resp: 4320

Ion Ratio Lower Upper

43 100

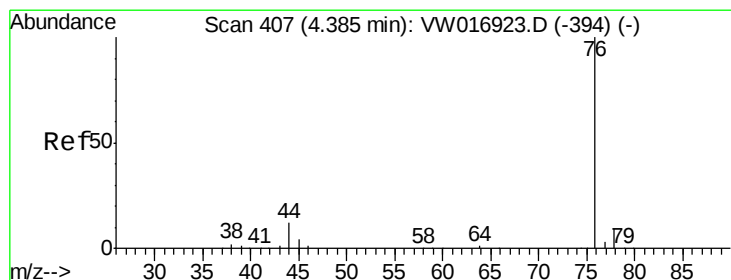
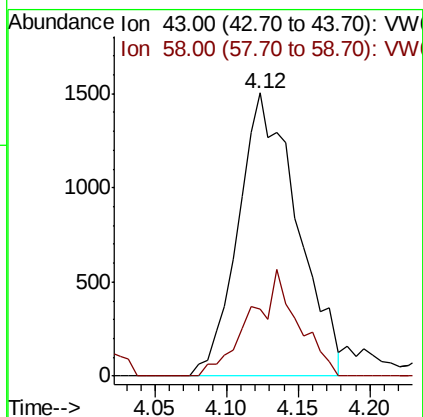
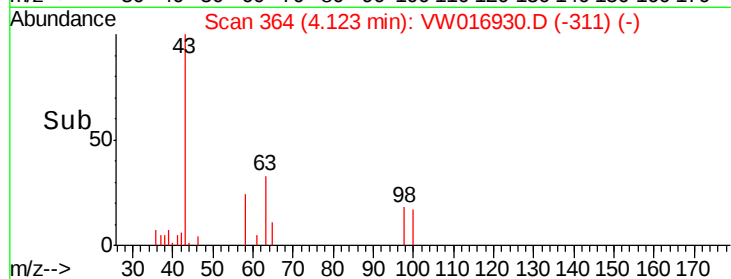
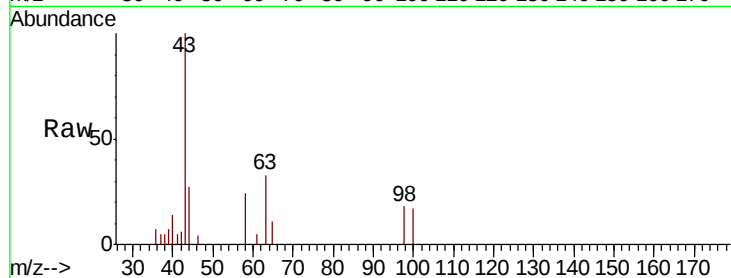
58 14.1 0.0 67.6

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:53:03 AM



#14

Carbon disulfide

Concen: 1.051 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW016930.D

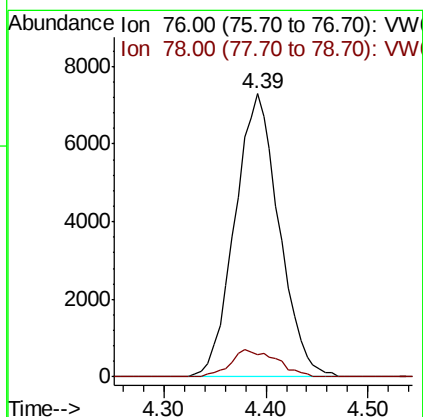
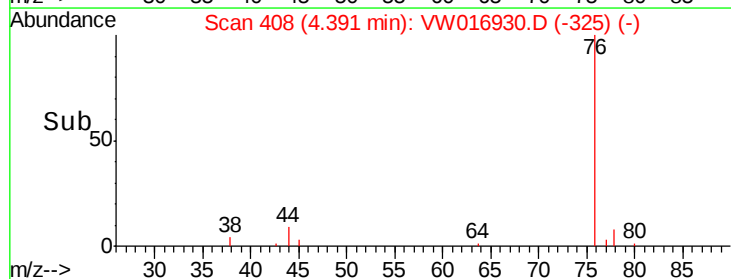
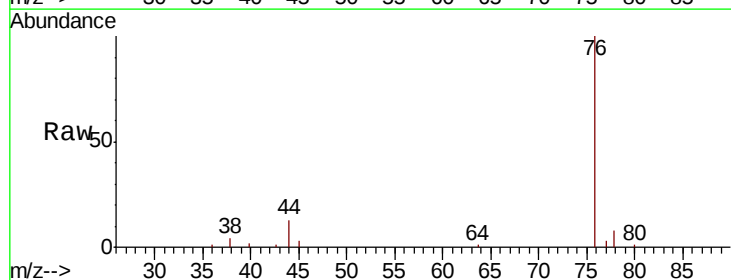
Acq: 16 Oct 2020 16:04

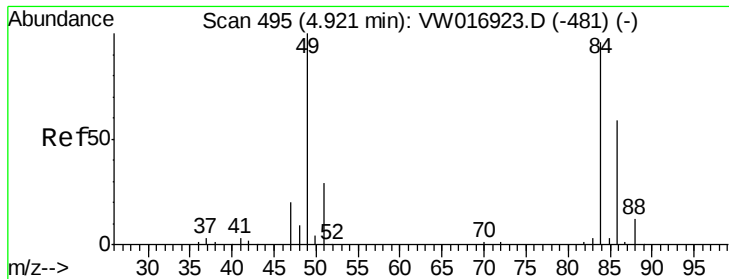
Tgt Ion: 76 Resp: 21956

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.0





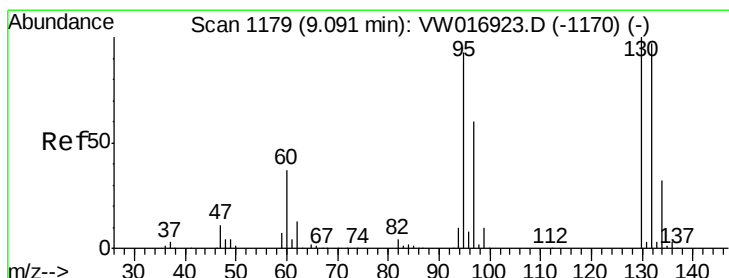
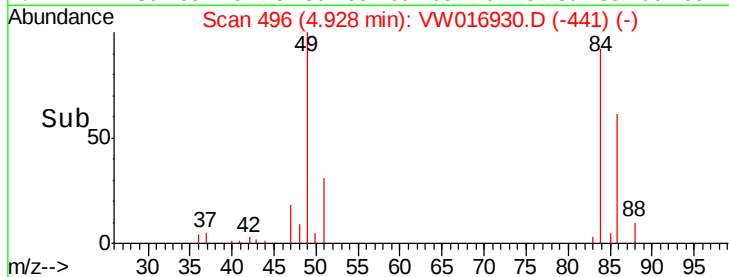
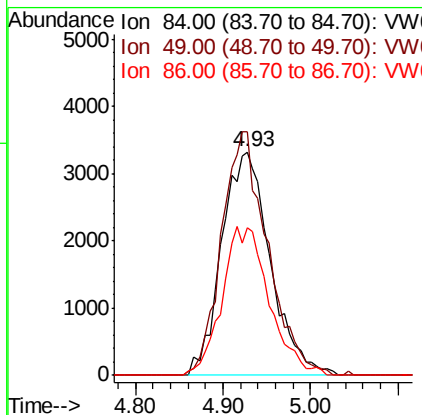
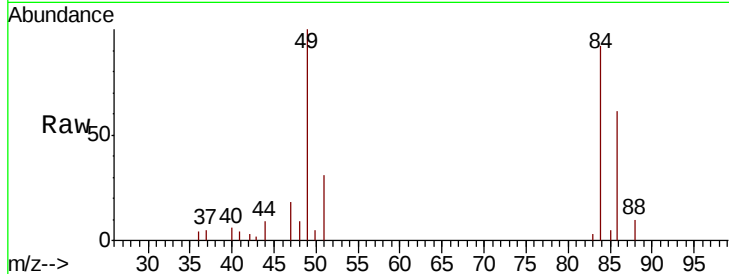
#16  
Methvlene chloride  
Concen: 1.648 ug/L  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW016930.D  
Acq: 16 Oct 2020 16:04

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG3Y6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 109.0 | 73.1  | 135.8 |
| 86      | 66.3  | 46.0  | 85.4  |

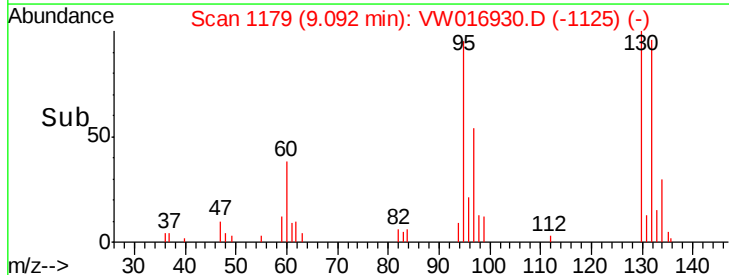
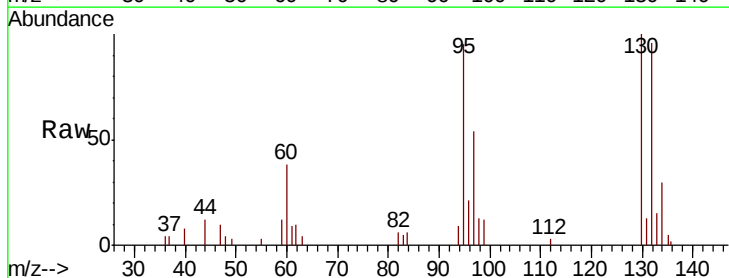
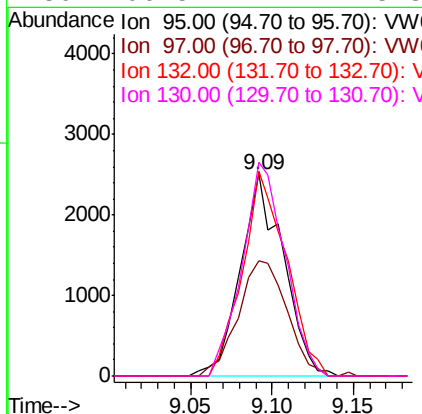
Manual Integrations  
APPROVED

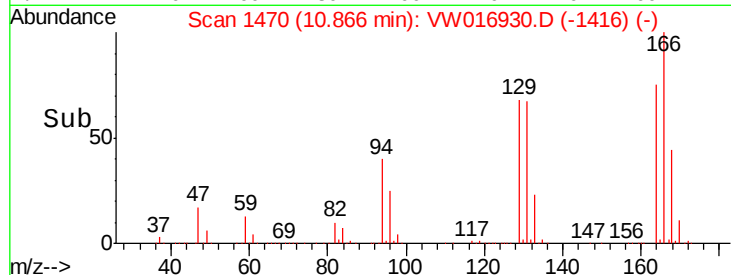
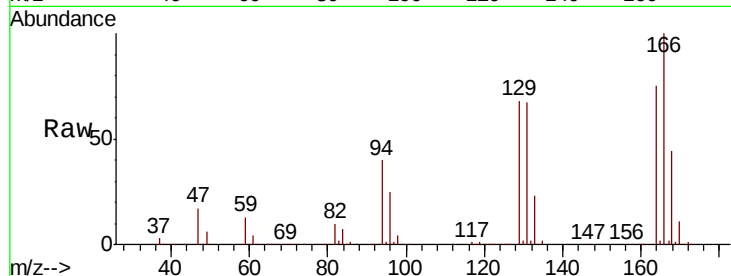
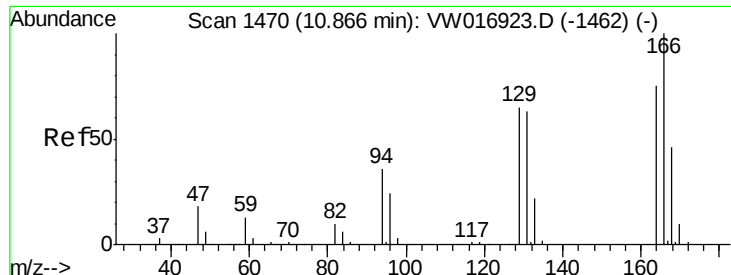
MMDadoda  
10/19/2020 11:53:03 AM



#35  
Trichloroethene  
Concen: 0.600 ug/L  
RT: 9.09 min Scan# 1179  
Delta R.T. 0.00 min  
Lab File: VW016930.D  
Acq: 16 Oct 2020 16:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 97      | 64.9  | 44.7  | 83.1  |
| 132     | 103.9 | 73.8  | 137.2 |
| 130     | 106.5 | 77.1  | 143.3 |





#47  
Tetrachloroethene  
Concen: 431.012 ug/L  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW016930.D  
Acq: 16 Oct 2020 16:04

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 164   | Resp: | 3038723 |
| Ion      | Ratio | Lower | Upper   |
| 164      | 100   |       |         |
| 129      | 90.3  | 61.7  | 114.7   |
| 131      | 89.5  | 59.7  | 110.9   |
| 166      | 133.2 | 88.3  | 164.1   |

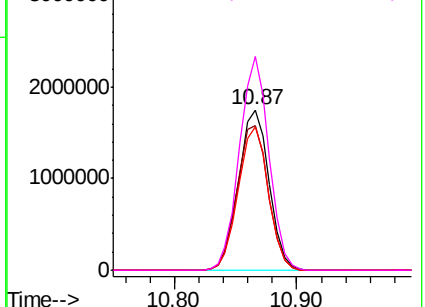
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Instrument :  
MSVOA\_W  
ClientSampleId :  
BG3Y6

Manual Integrations  
APPROVED

MMDadoda  
10/19/2020 11:53:03 AM