

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042321\  
 Data File : VW018764.D  
 Acq On : 23 Apr 2021 17:45  
 Operator : SY/VA  
 Sample : M2165-13  
 Misc : 6.39G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 GB3F4

Manual Integrations  
 APPROVED

SAM  
 4/27/2021 5:45:59 PM

Quant Time: Apr 24 00:19:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM041421SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Apr 24 00:16:05 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                         |                |      |                     |         |       |          |
| Internal Standards            |                |      |                     |         |       |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 497752              | 25.00   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 364269              | 25.00   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 102003              | 25.00   | ug/L  | 0.00     |
|                               |                |      |                     |         |       |          |
| System Monitoring Compounds   |                |      |                     |         |       |          |
| 4) Vinyl Chloride-d3          | 2.361          | 65   | 95636               | 12.64   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 50.56%   |         |       |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 90124               | 13.44   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 53.76%   |         |       |          |
| 11) 1,1-Dichloroethene-d2     | 4.025          | 63   | 129391              | 9.85    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 39.40%#  |         |       |          |
| 21) 2-Butanone-d5             | 7.080          | 46   | 118157              | 68.62   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 137.24%# |         |       |          |
| 24) Chloroform-d              | 7.647          | 84   | 298743              | 21.87   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 87.48%   |         |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 185272m             | 24.12   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 96.48%   |         |       |          |
| 32) Benzene-d6                | 8.275          | 84   | 463063              | 21.67   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 86.68%   |         |       |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 181202              | 28.14   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 112.56%  |         |       |          |
| 41) Toluene-d8                | 10.323         | 98   | 344482              | 17.63   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 70.52%   |         |       |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 69939               | 25.51   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 102.04%  |         |       |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 95112               | 84.94   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 169.88%# |         |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 182396              | 33.91   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 135.64%# |         |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 78130               | 21.80   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 87.20%   |         |       |          |
|                               |                |      |                     |         |       |          |
| Target Compounds              |                |      |                     |         |       | Qvalue   |
| 13) Acetone                   | 4.129          | 43   | 21722               | 17.38   | ug/L  | 87       |
| 16) Methylene chloride        | 4.934          | 84   | 24260m              | 2.97    | ug/L  |          |
| 34) Trichloroethene           | 9.092          | 95   | 12099               | 2.05    | ug/L  | 87       |
| 42) Toluene                   | 10.390         | 91   | 9752                | 0.40    | ug/L  | 96       |
| 46) Tetrachloroethene         | 10.866         | 164  | 8048644             | 1934.11 | ug/L  | 93       |
| -----                         |                |      |                     |         |       |          |

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

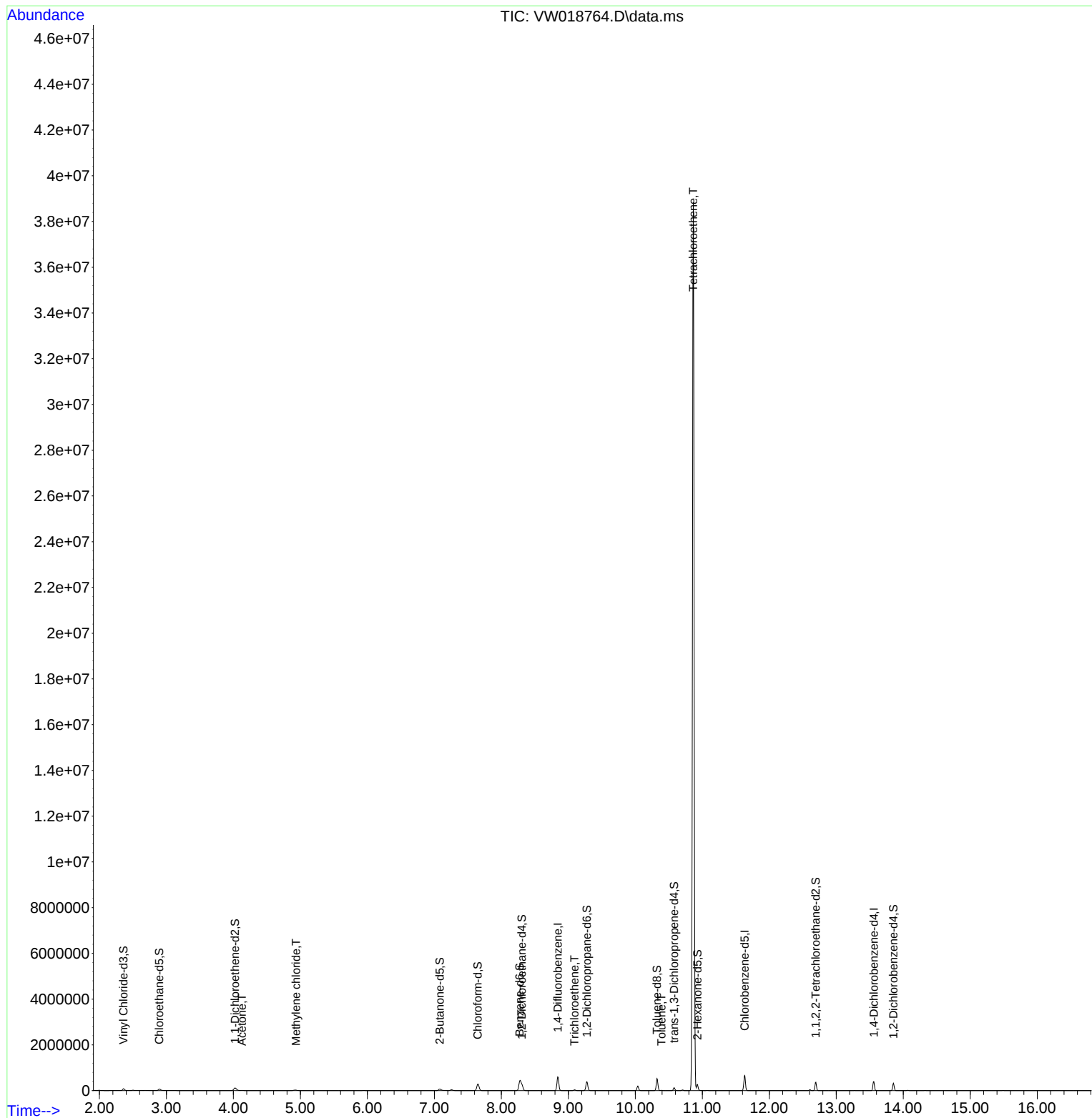
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042321\  
Data File : VW018764.D  
Acq On : 23 Apr 2021 17:45  
Operator : SY/VA  
Sample : M2165-13  
Misc : 6.39G/10ML/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

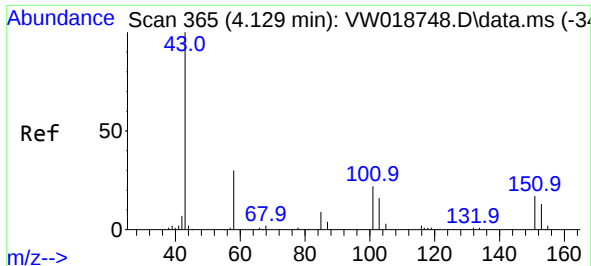
Instrument :  
MSVOA\_W  
ClientSampleId :  
GB3F4

Manual Integrations  
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4/27/2021 5:45:59 PM

Quant Time: Apr 24 00:19:31 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM041421SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Apr 24 00:16:05 2021  
Response via : Initial Calibration





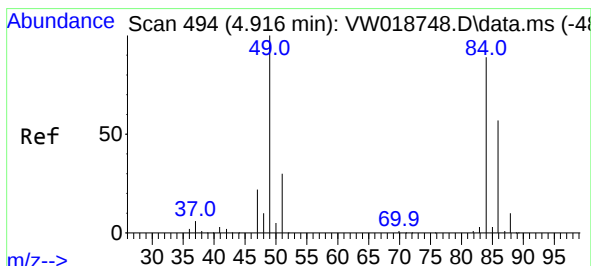
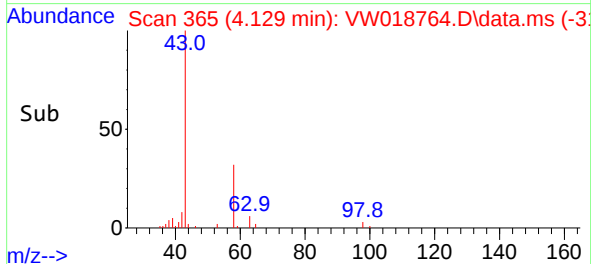
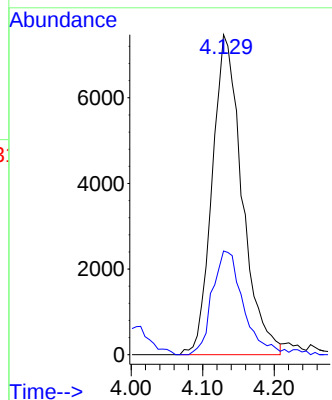
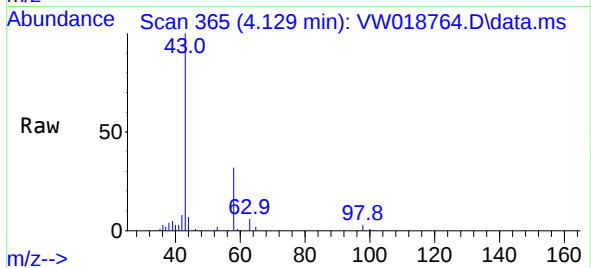
#13  
Acetone  
Concen: 17.38 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. -0.000 min  
Lab File: VW018764.D  
Acq: 23 Apr 2021 17:45

Tgt Ion: 43 Resp: 21722  
Ion Ratio Lower Upper  
43 100  
58 33.6 0.0 53.8

Instrument :  
MSVOA\_W  
ClientSampled :  
GB3F4

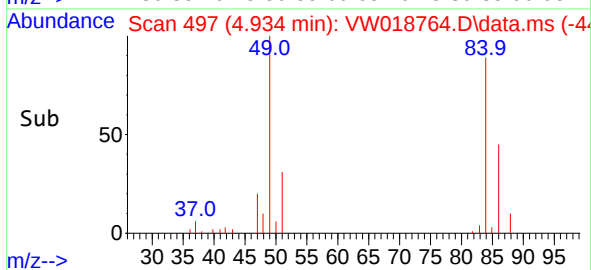
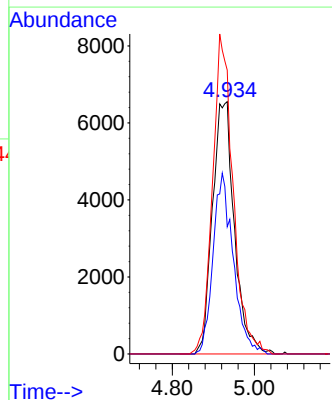
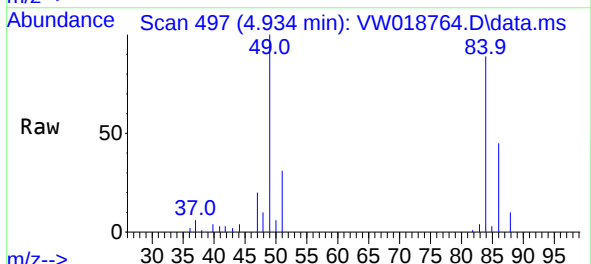
Manual Integrations  
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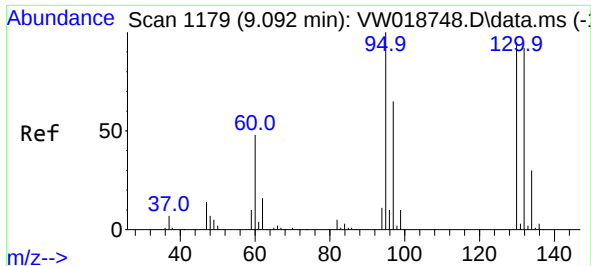
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#16  
Methylene chloride  
Concen: 2.97 ug/L m  
RT: 4.934 min Scan# 497  
Delta R.T. 0.018 min  
Lab File: VW018764.D  
Acq: 23 Apr 2021 17:45

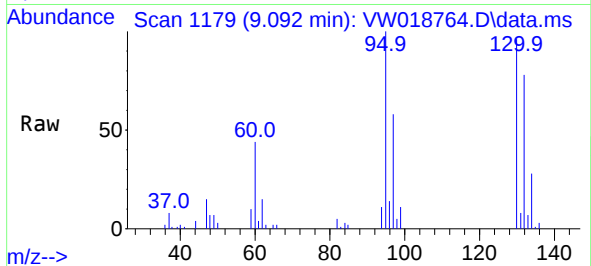
Tgt Ion: 84 Resp: 24260  
Ion Ratio Lower Upper  
84 100  
86 50.4 45.3 84.1  
49 112.5 86.6 160.8





#34  
Trichloroethene  
Concen: 2.05 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW018764.D  
Acq: 23 Apr 2021 17:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB3F4

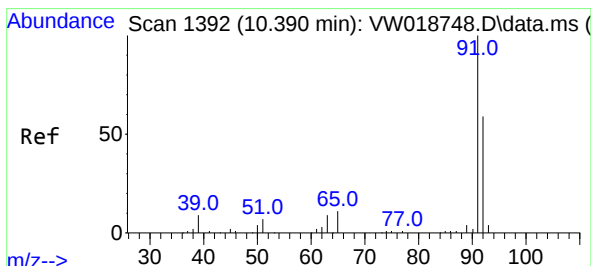
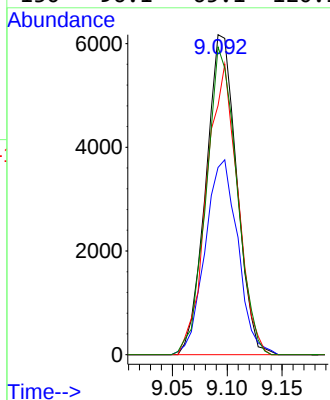


Tgt Ion: 95 Resp: 12099

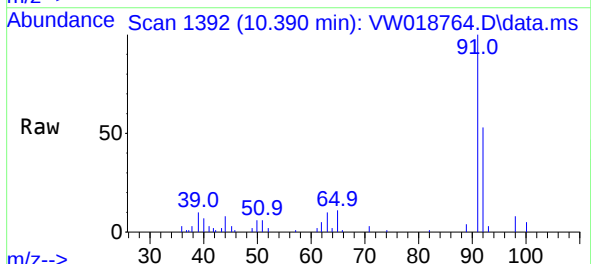
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 58.5  | 47.3  | 87.8  |
| 132 | 77.8  | 71.0  | 131.8 |
| 130 | 96.1  | 65.1  | 120.9 |

Manual Integrations  
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SAM  
4/27/2021 5:45:59 PM

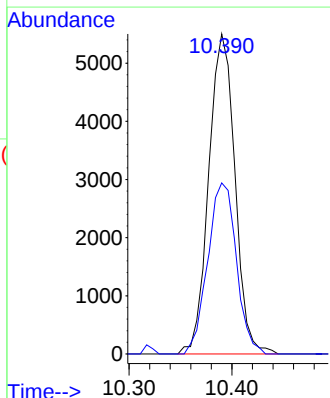
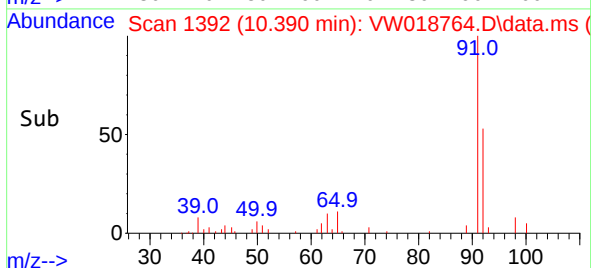


#42  
Toluene  
Concen: 0.40 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW018764.D  
Acq: 23 Apr 2021 17:45

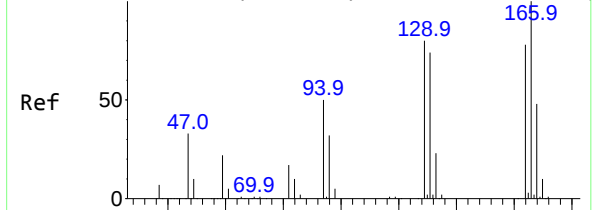


Tgt Ion: 91 Resp: 9752

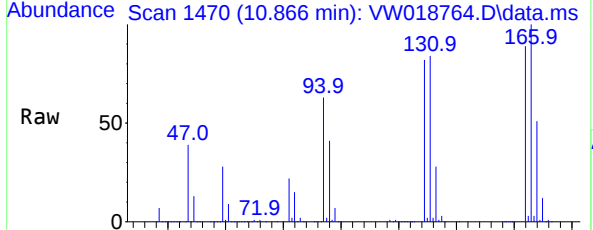
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 53.5  | 39.5  | 73.3  |



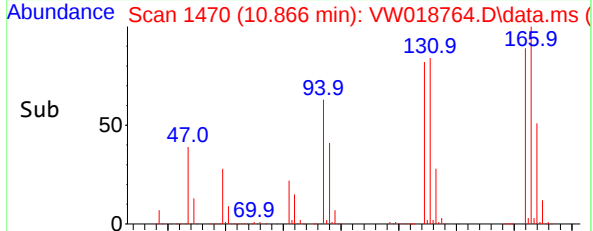
Abundance Scan 1469 (10.860 min): VW018748.D\data.ms (



Abundance Scan 1470 (10.866 min): VW018764.D\data.ms



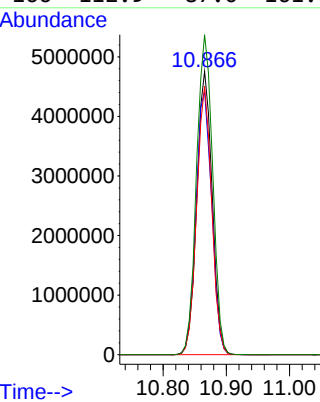
Abundance Scan 1470 (10.866 min): VW018764.D\data.ms (



Time-->

#46  
Tetrachloroethene  
Concen: 1934.11 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VW018764.D  
Acq: 23 Apr 2021 17:45

Tgt Ion:164 Resp: 8048644  
Ion Ratio Lower Upper  
164 100  
129 93.0 66.7 123.9  
131 94.7 61.1 113.5  
166 112.9 87.0 161.6



Instrument :  
MSVOA\_W  
ClientSampleId :  
GB3F4

Manual Integrations  
APPROVED

SAM  
4/27/2021 5:45:59 PM