

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\  
 Data File : VY003819.D  
 Acq On : 18 Dec 2020 15:25  
 Operator : SY/MD  
 Sample : L5151-06  
 Misc : 4.90G/10ML/MSVOA Y/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 19 00:19:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\SOM2YLM121420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 19 00:17:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.70  | 114  | 185289   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.49 | 117  | 152648   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 51177    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.25   | 65    | 71241    | 28.18    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 112.72%  |
| 7) Chloroethane-d5             | 2.77   | 69    | 58633    | 31.10    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 124.40%  |
| 10) 1,1-Dichloroethene-d2      | 3.86   | 63    | 99546    | 18.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.96%   |
| 20) 2-Butanone-d5              | 6.90   | 46    | 40628    | 36.87    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.74%   |
| 24) Chloroform-d               | 7.49   | 84    | 134310   | 27.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 111.64%  |
| 26) 1,2-Dichloroethane-d4      | 8.15   | 65    | 71878    | 26.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.68%  |
| 29) Benzene-d6                 | 8.12   | 84    | 293340   | 33.20    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 132.80%  |
| 33) 1,2-Dichloropropane-d6     | 9.12   | 67    | 84648    | 30.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 123.08%# |
| 37) Toluene-d8                 | 10.18  | 98    | 252018   | 31.52    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 126.08%  |
| 38) trans-1,3-Dichloropropene- | 10.44  | 79    | 36275    | 27.05    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 108.20%  |
| 39) 2-Hexanone-d5              | 10.79  | 63    | 33613    | 44.30    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.60%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.56  | 84    | 61741    | 25.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 102.68%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.72  | 152   | 60083    | 32.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 130.76%# |

## Target Compounds

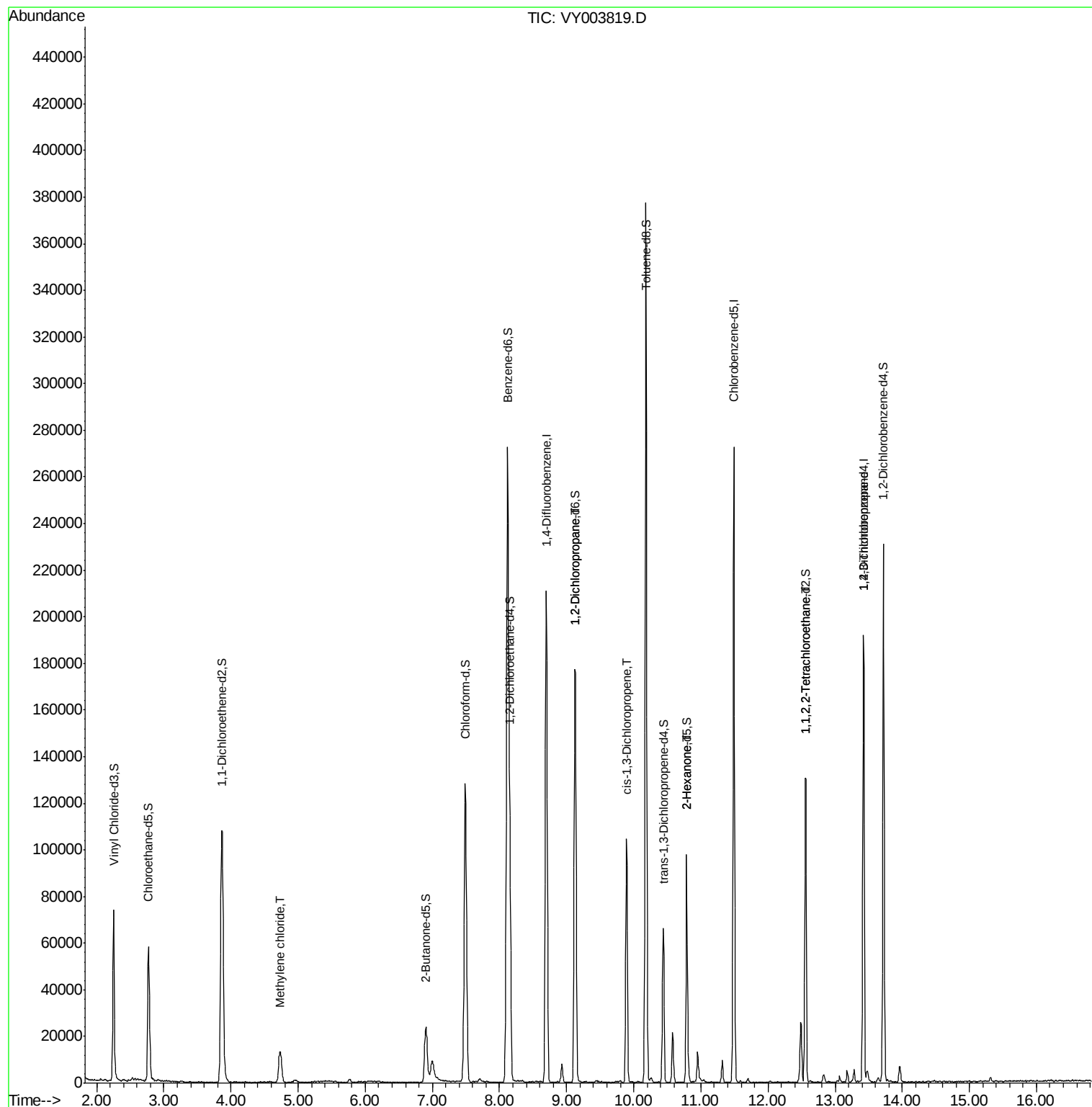
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride        | 4.73  | 84 | 10649 | 3.201 ug/L   | 86     |
| 40) 1,2-Dichloropropane       | 9.12  | 63 | 9248  | 3.674 ug/L # | 87     |
| 42) cis-1,3-Dichloropropene   | 9.89  | 75 | 2853  | 0.713 ug/L   | 84     |
| 49) 2-Hexanone                | 10.79 | 43 | 4459  | 2.662 ug/L # | 63     |
| 58) 1,1,2,2-Tetrachloroethane | 12.56 | 83 | 442   | 0.186 ug/L # | 1      |
| 59) 1,2,3-Trichloropropane    | 13.42 | 75 | 6037  | 3.004 ug/L   | 96     |

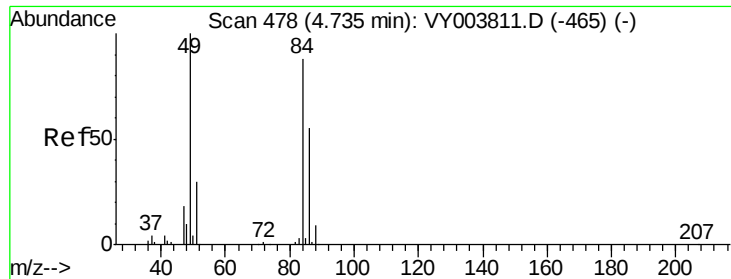
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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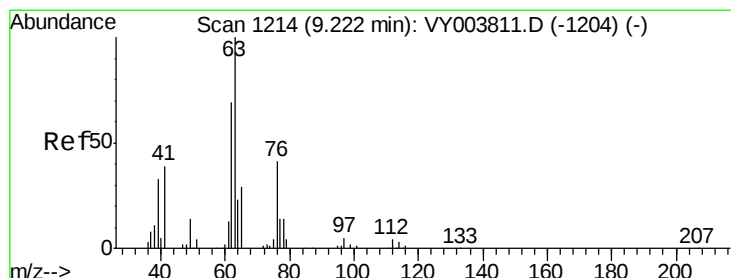
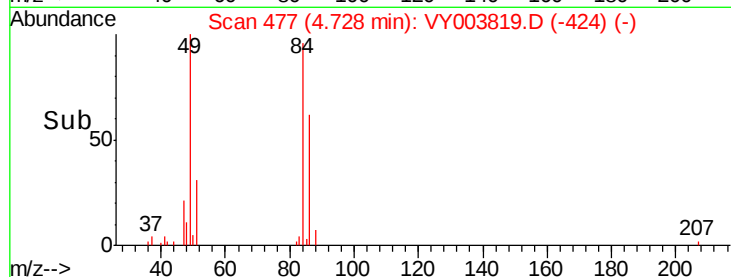
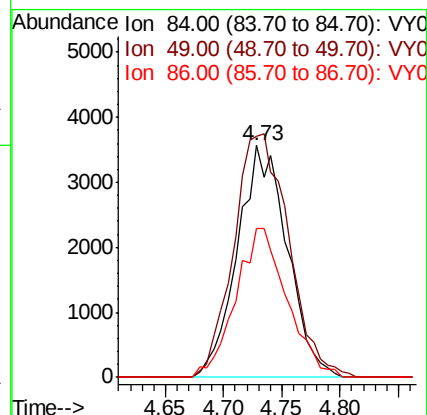
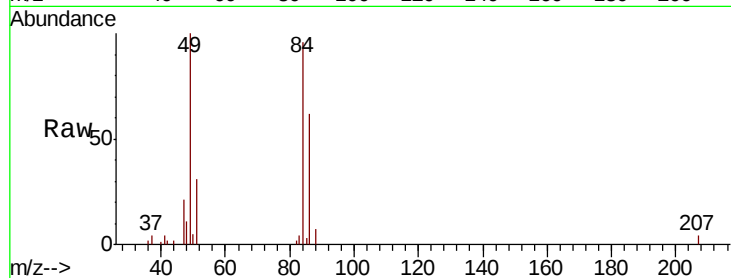




#16  
Methvlene chloride  
Concen: 3.201 ug/L  
RT: 4.73 min Scan# 477  
Delta R.T. -0.01 min  
Lab File: VY003819.D  
Acq: 18 Dec 2020 15:25

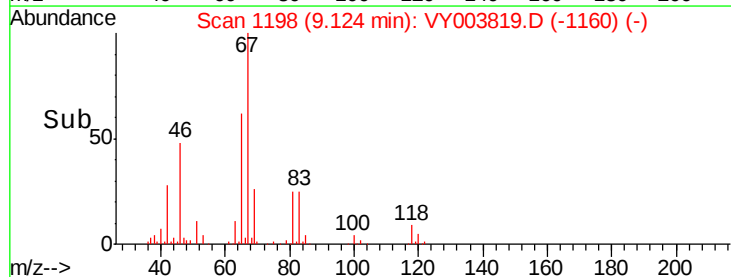
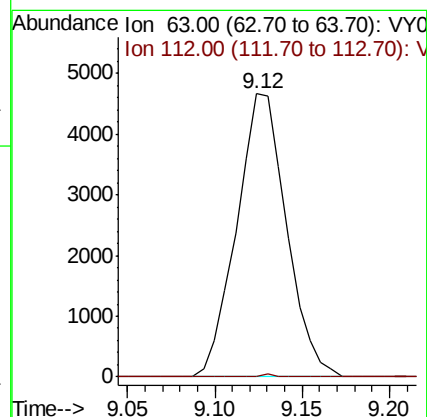
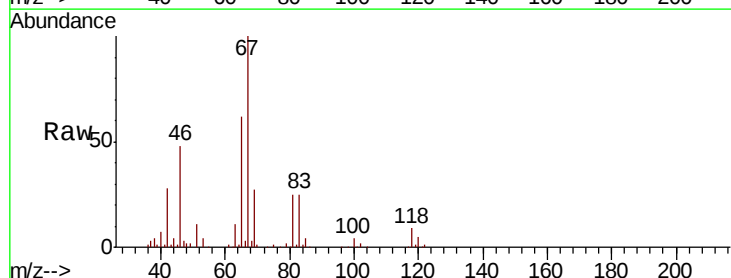
Instrument :  
MSVOA\_Y  
ClientSampleId :

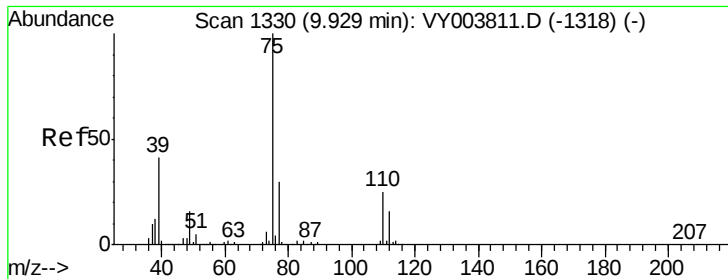
Tot Ion: 84 Resp: 10649  
Ion Ratio Lower Upper  
84 100  
49 103.9 88.2 163.8  
86 64.3 43.0 79.8



#40  
1,2-Dichloropropane  
Concen: 3.674 ug/L  
RT: 9.12 min Scan# 1198  
Delta R.T. -0.10 min  
Lab File: VY003819.D  
Acq: 18 Dec 2020 15:25

Tgt Ion: 63 Resp: 9248  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.2#



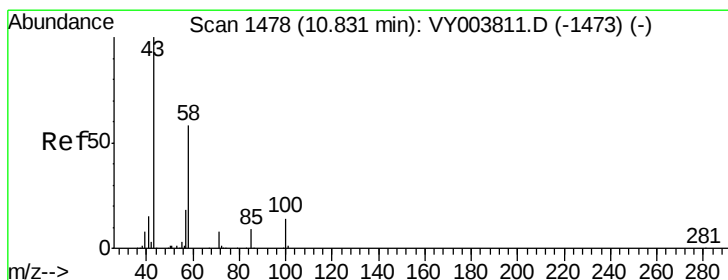
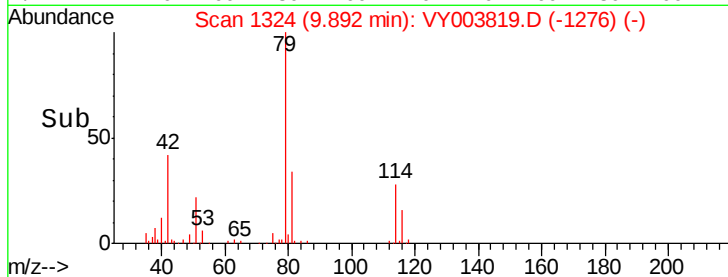
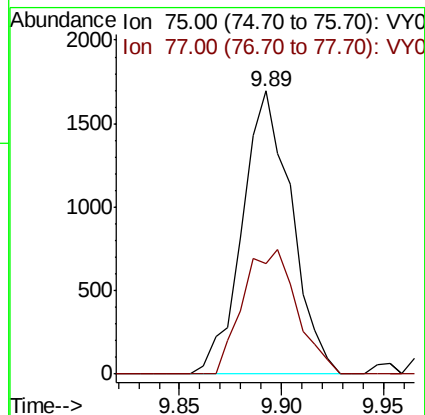
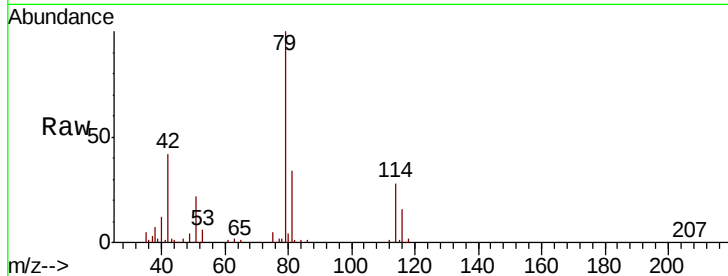


#42

cis-1,3-Dichloropropene  
 Concen: 0.713 ug/L  
 RT: 9.89 min Scan# 1324  
 Delta R.T. -0.04 min  
 Lab File: VY003819.D  
 Acq: 18 Dec 2020 15:25

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

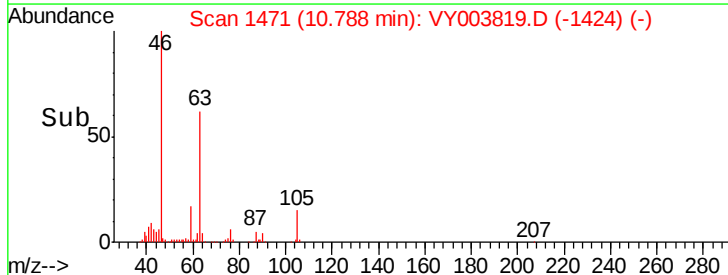
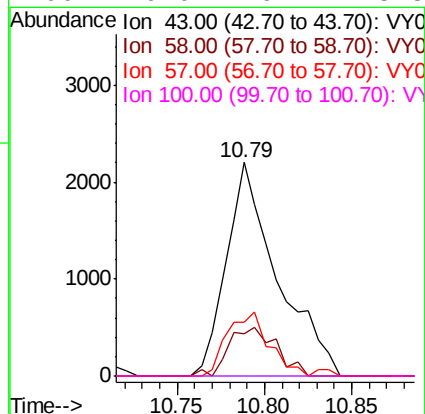
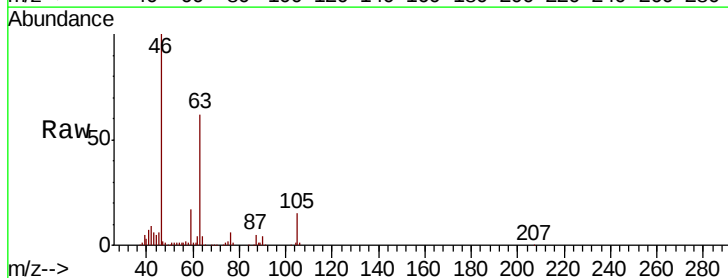
Tot Ion: 75 Resp: 2853  
 Ion Ratio Lower Upper  
 75 100  
 77 39.1 21.3 39.6

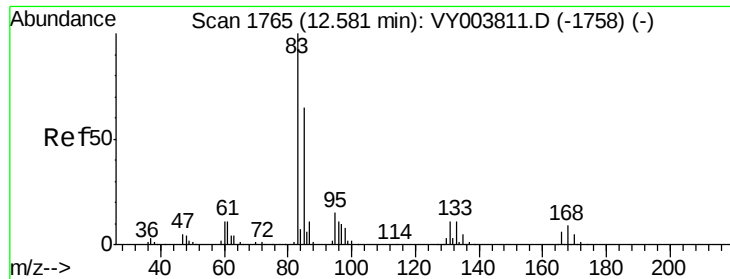


#49

2-Hexanone  
 Concen: 2.662 ug/L  
 RT: 10.79 min Scan# 1471  
 Delta R.T. -0.04 min  
 Lab File: VY003819.D  
 Acq: 18 Dec 2020 15:25

Tgt Ion: 43 Resp: 4459  
 Ion Ratio Lower Upper  
 43 100  
 58 20.7 43.0 64.4#  
 57 24.5 14.1 21.1#  
 100 0.0 9.2 13.8#





#58

1,1,2,2-Tetrachloroethane

Concen: 0.186 ug/L

RT: 12.56 min Scan# 1762

Delta R.T. -0.02 min

Lab File: VY003819.D

Acq: 18 Dec 2020 15:25

Instrument :

MSVOA\_Y

ClientSampleId :

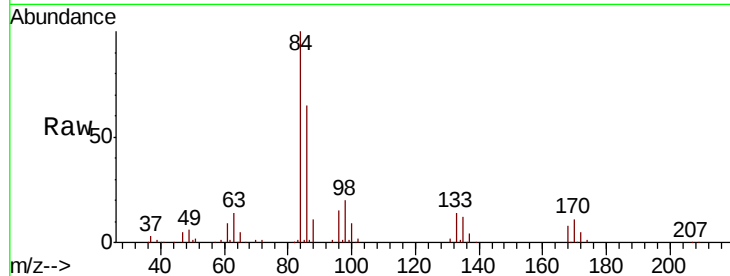
Tot Ion: 83 Resp: 442

Ion Ratio Lower Upper

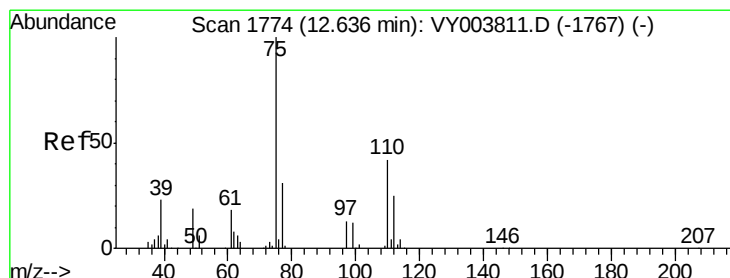
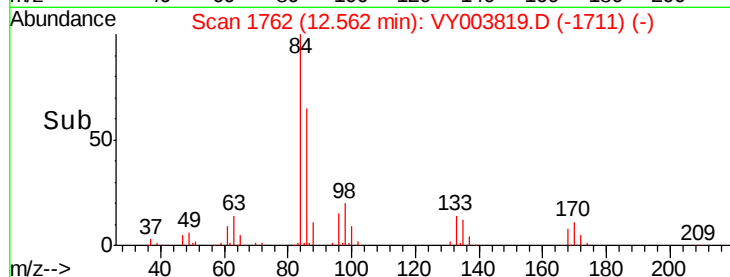
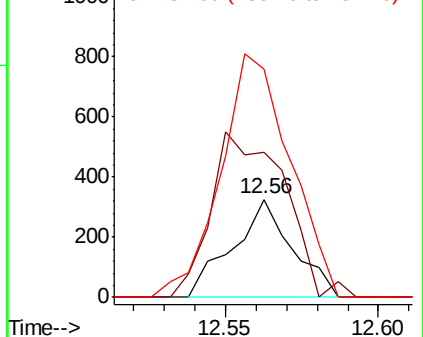
83 100

85 148.3 43.9 81.5#

131 233.2 7.8 11.8#



Abundance Ion 83.00 (82.70 to 83.70): VY0  
Ion 85.00 (84.70 to 85.70): VY0  
Ion 131.00 (130.70 to 131.70): V



#59

1,2,3-Trichloropropane

Concen: 3.004 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003819.D

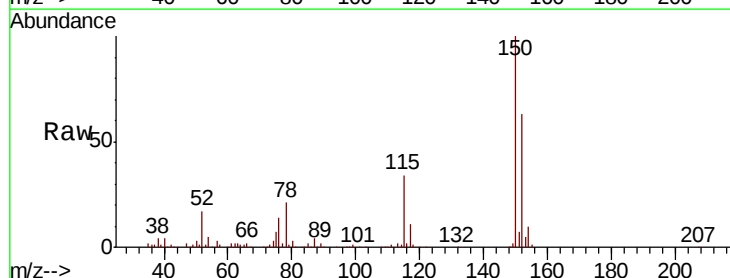
Acq: 18 Dec 2020 15:25

Tgt Ion: 75 Resp: 6037

Ion Ratio Lower Upper

75 100

77 29.6 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VY0  
Ion 77.00 (76.70 to 77.70): VY0

