

Data File : VW017400.D  
Acq On : 20 Nov 2020 03:28  
Operator : SY/VA  
Sample : L4794-20  
Misc : 5.50G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0BH3

Quant Time: Nov 20 04:40:46 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111820S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 20 04:37:10 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 365830   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 338591   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 153879   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 105483   | 19.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.92%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 91588    | 21.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.16%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 146737   | 15.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.96%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 39530    | 44.44    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.88%  |
| 24) Chloroform-d               | 7.65   | 84    | 226704   | 23.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 115196   | 24.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 99.24%  |
| 29) Benzene-d6                 | 8.28   | 84    | 442224   | 23.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.68%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 124193   | 24.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.68%  |
| 37) Toluene-d8                 | 10.33  | 98    | 418923   | 23.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 93.24%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 48291    | 21.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.24%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 30637    | 44.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 89.86%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 95335    | 24.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 98.96%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 142145   | 25.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.08% |

#### Target Compounds

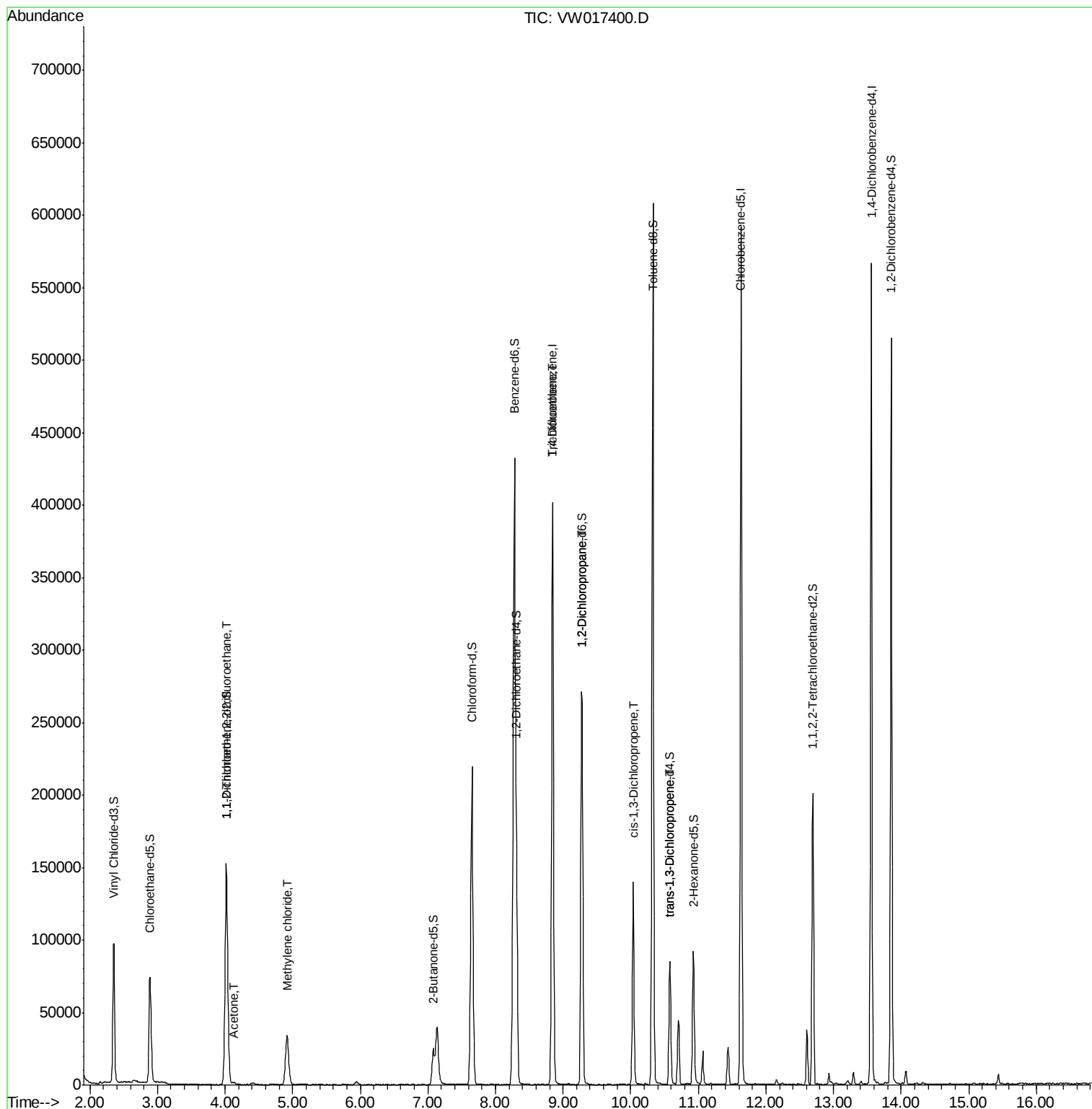
|                                |       |     |       |       | Qvalue |    |
|--------------------------------|-------|-----|-------|-------|--------|----|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.01  | 101 | 1488  | 0.297 | ug/L # | 16 |
| 13) Acetone                    | 4.12  | 43  | 1042  | 1.606 | ug/L   | 79 |
| 16) Methylene chloride         | 4.92  | 84  | 29570 | 4.726 | ug/L   | 95 |
| 35) Trichloroethene            | 8.85  | 95  | 10293 | 1.902 | ug/L # | 2  |
| 40) 1,2-Dichloropropane        | 9.27  | 63  | 14874 | 3.438 | ug/L # | 85 |
| 42) cis-1,3-Dichloropropene    | 10.04 | 75  | 3922  | 0.584 | ug/L # | 81 |
| 45) trans-1,3-Dichloropropene  | 10.59 | 75  | 2380  | 0.418 | ug/L   | 85 |

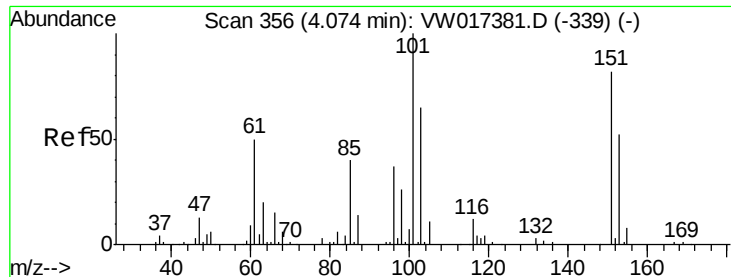
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.297 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.06 min

Lab File: VW017400.D

Acq: 20 Nov 2020 03:28

Instrument :

MSVOA\_W

ClientSampleId :

C0BH3

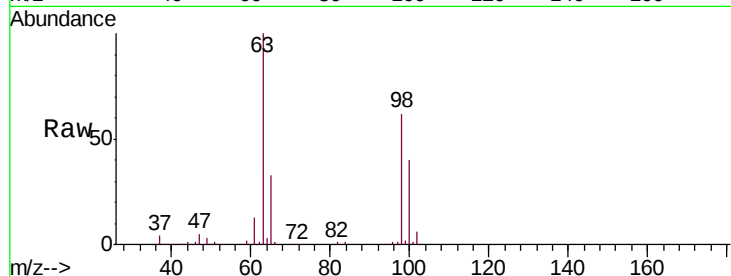
Tgt Ion: 101 Resp: 1488

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

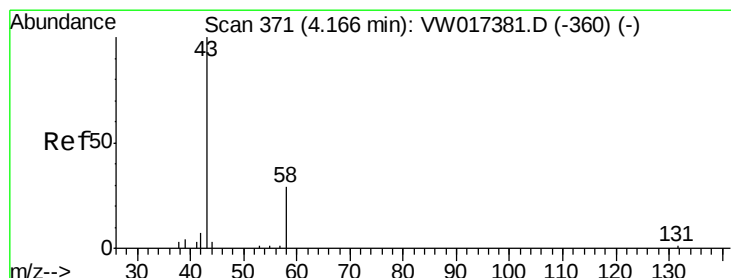
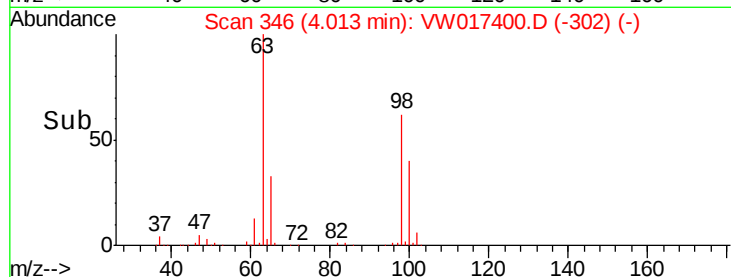
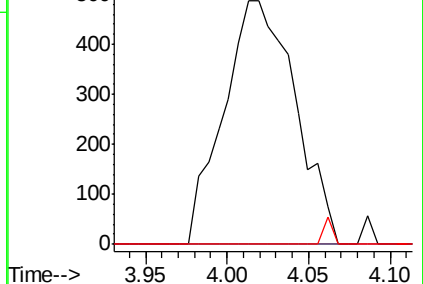
151 0.0 66.3 99.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.606 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.04 min

Lab File: VW017400.D

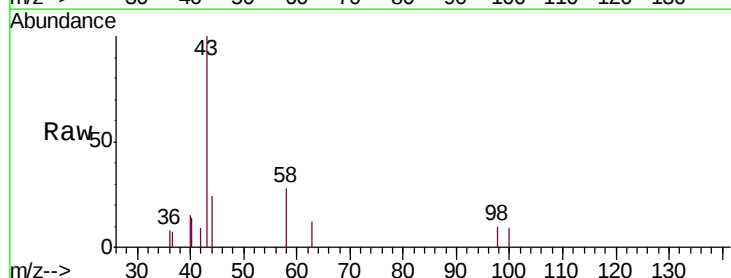
Acq: 20 Nov 2020 03:28

Tgt Ion: 43 Resp: 1042

Ion Ratio Lower Upper

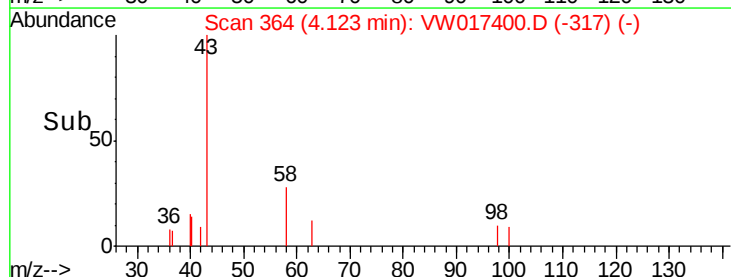
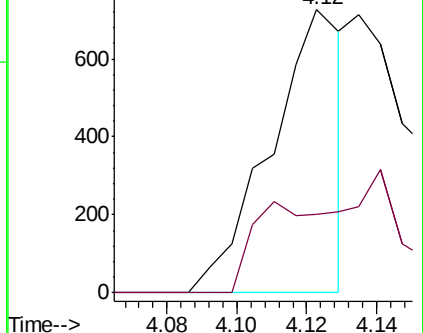
43 100

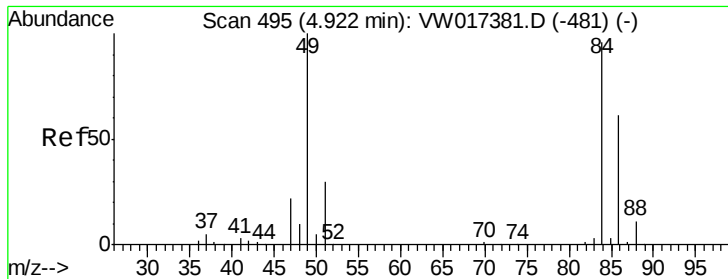
58 21.3 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

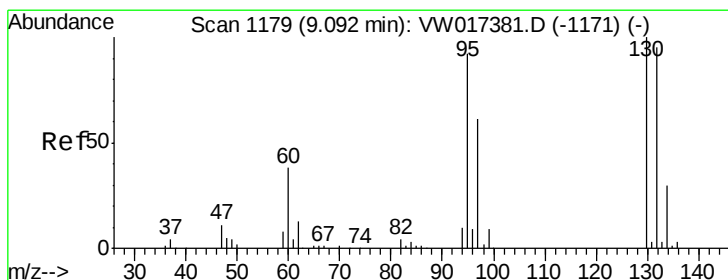
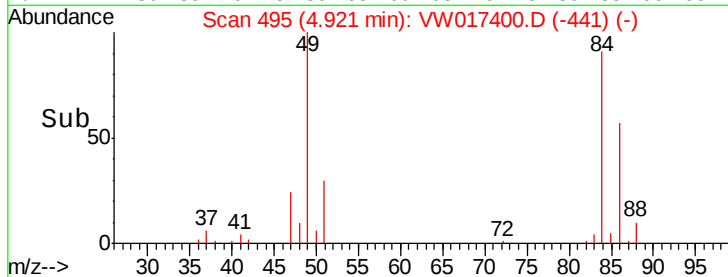
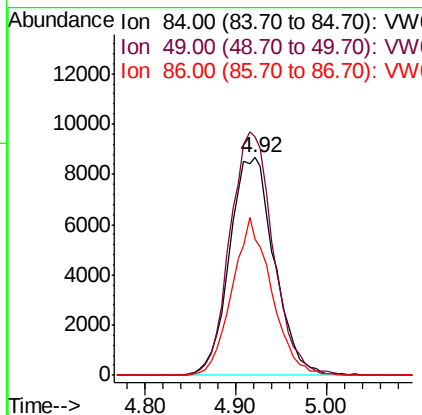
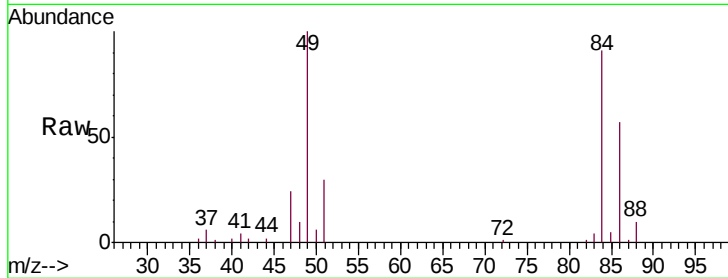




#16  
Methylene chloride  
Concen: 4.726 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. -0.00 min  
Lab File: VW017400.D  
Acq: 20 Nov 2020 03:28

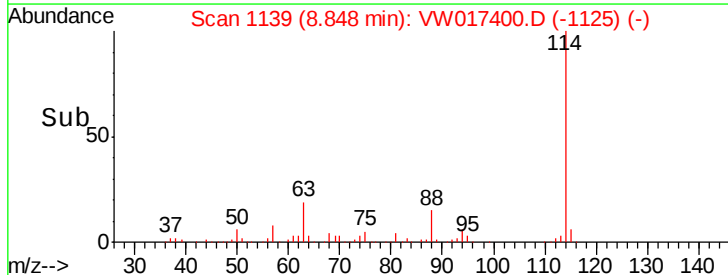
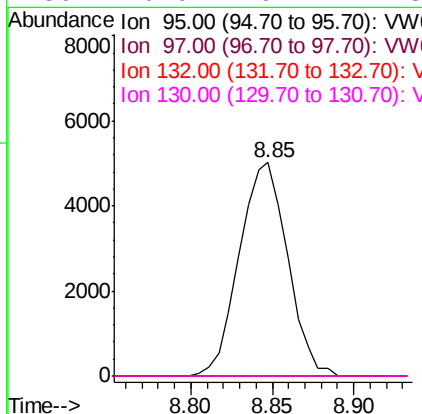
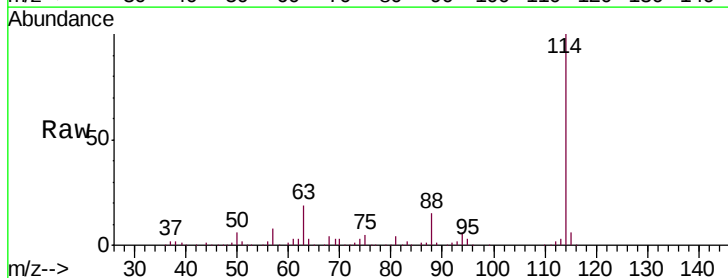
Instrument :  
MSVOA\_W  
ClientSampled :  
C0BH3

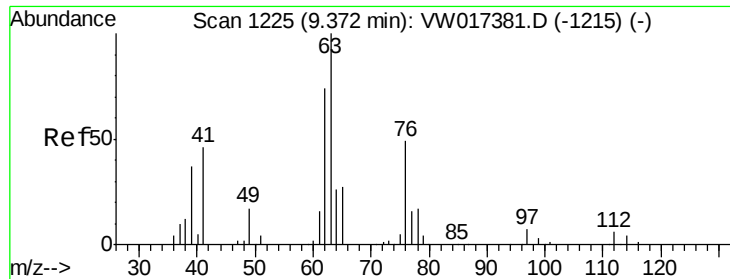
Tgt Ion: 84 Resp: 29570  
Ion Ratio Lower Upper  
84 100  
49 109.6 71.5 132.9  
86 62.4 42.8 79.4



#35  
Trichloroethene  
Concen: 1.902 ug/L  
RT: 8.85 min Scan# 1139  
Delta R.T. -0.24 min  
Lab File: VW017400.D  
Acq: 20 Nov 2020 03:28

Tgt Ion: 95 Resp: 10293  
Ion Ratio Lower Upper  
95 100  
97 0.0 44.7 82.9#  
132 0.0 72.7 134.9#  
130 0.0 76.1 141.3#

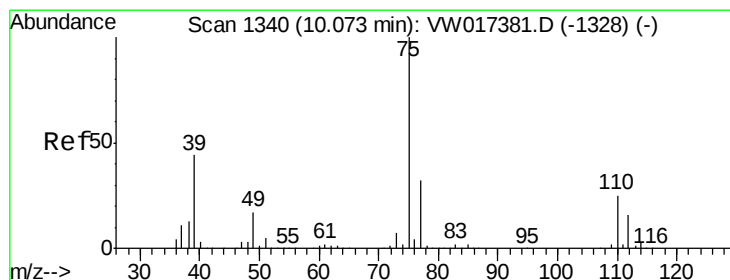
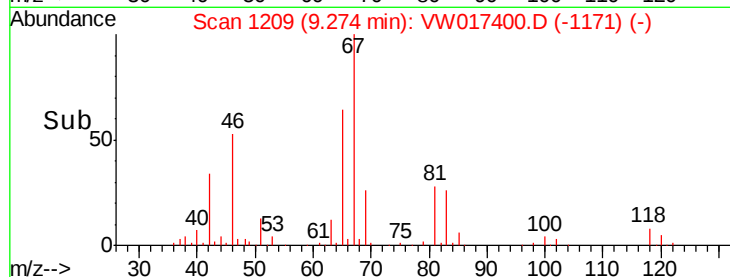
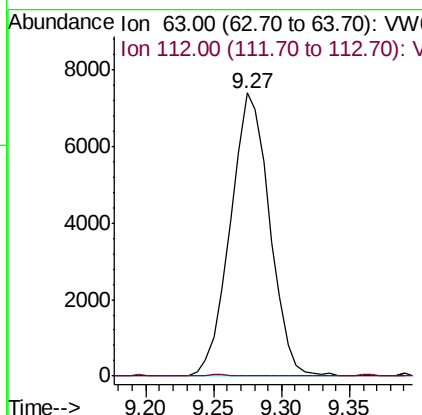
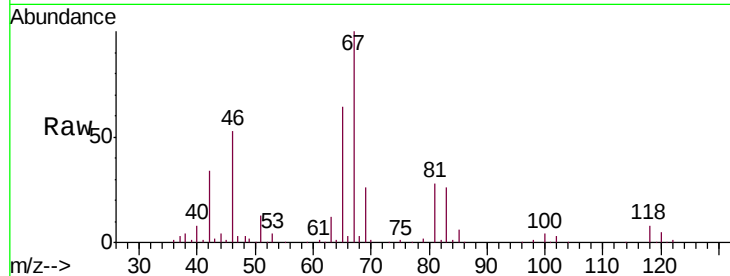




#40  
 1,2-Dichloropropane  
 Concen: 3.438 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.10 min  
 Lab File: VW017400.D  
 Acq: 20 Nov 2020 03:28

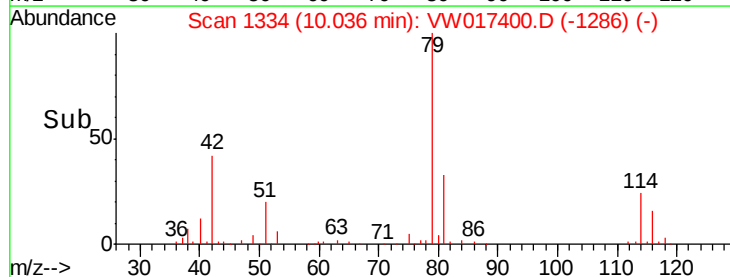
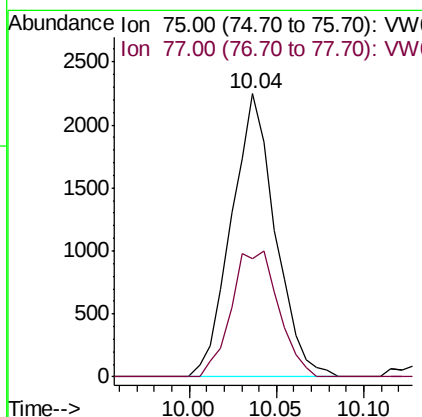
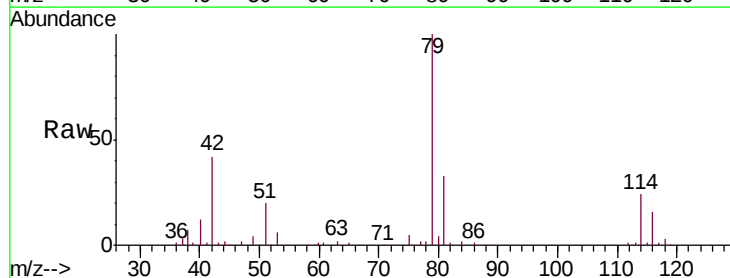
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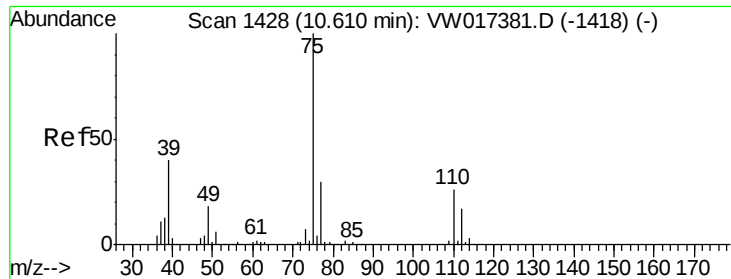
Tgt Ion: 63 Resp: 14874  
 Ion Ratio Lower Upper  
 63 100  
 112 0.3 4.2 6.4#



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.584 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW017400.D  
 Acq: 20 Nov 2020 03:28

Tgt Ion: 75 Resp: 3922  
 Ion Ratio Lower Upper  
 75 100  
 77 41.8 21.8 40.4#





#45

trans-1,3-Dichloropropene

Concen: 0.418 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017400.D

Acq: 20 Nov 2020 03:28

Instrument :

MSVOA\_W

ClientSampleId :

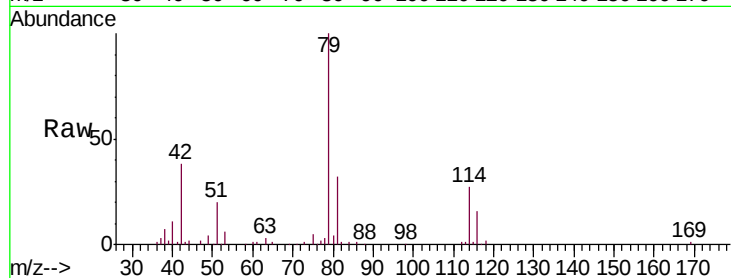
C0BH3

Tgt Ion: 75 Resp: 2380

Ion Ratio Lower Upper

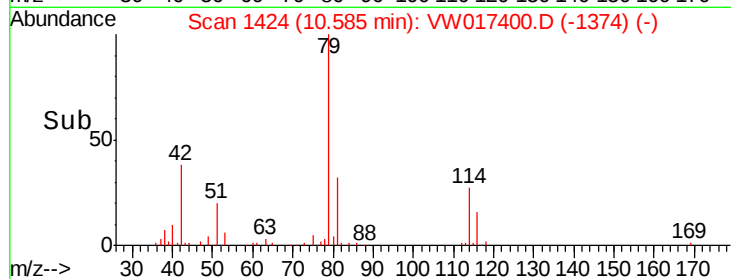
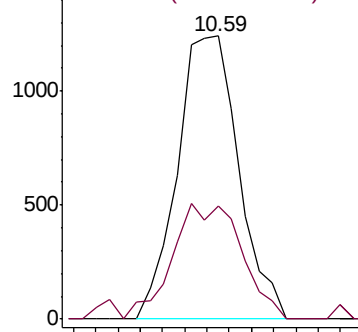
75 100

77 39.8 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->