

Data File : VW017337.D  
Acq On : 18 Nov 2020 19:05  
Operator : SY/VA  
Sample : L4739-01  
Misc : 5.23G/10ML/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB0Z0

Quant Time: Nov 19 05:06:42 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111820S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Nov 19 05:03:18 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 387129   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 352889   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 167984   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 133350   | 23.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.08%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 106001   | 23.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.12%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 169960   | 16.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.80%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 55096    | 58.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 117.08% |
| 24) Chloroform-d               | 7.65   | 84    | 231922   | 22.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.20%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 123015   | 25.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 100.12% |
| 29) Benzene-d6                 | 8.28   | 84    | 455907   | 22.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.68%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 125466   | 23.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.68%  |
| 37) Toluene-d8                 | 10.33  | 98    | 423033   | 22.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.36%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 55001    | 23.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.36%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 43790    | 61.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 123.24% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 112994   | 28.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 112.56% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 149207   | 24.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.24%  |

#### Target Compounds

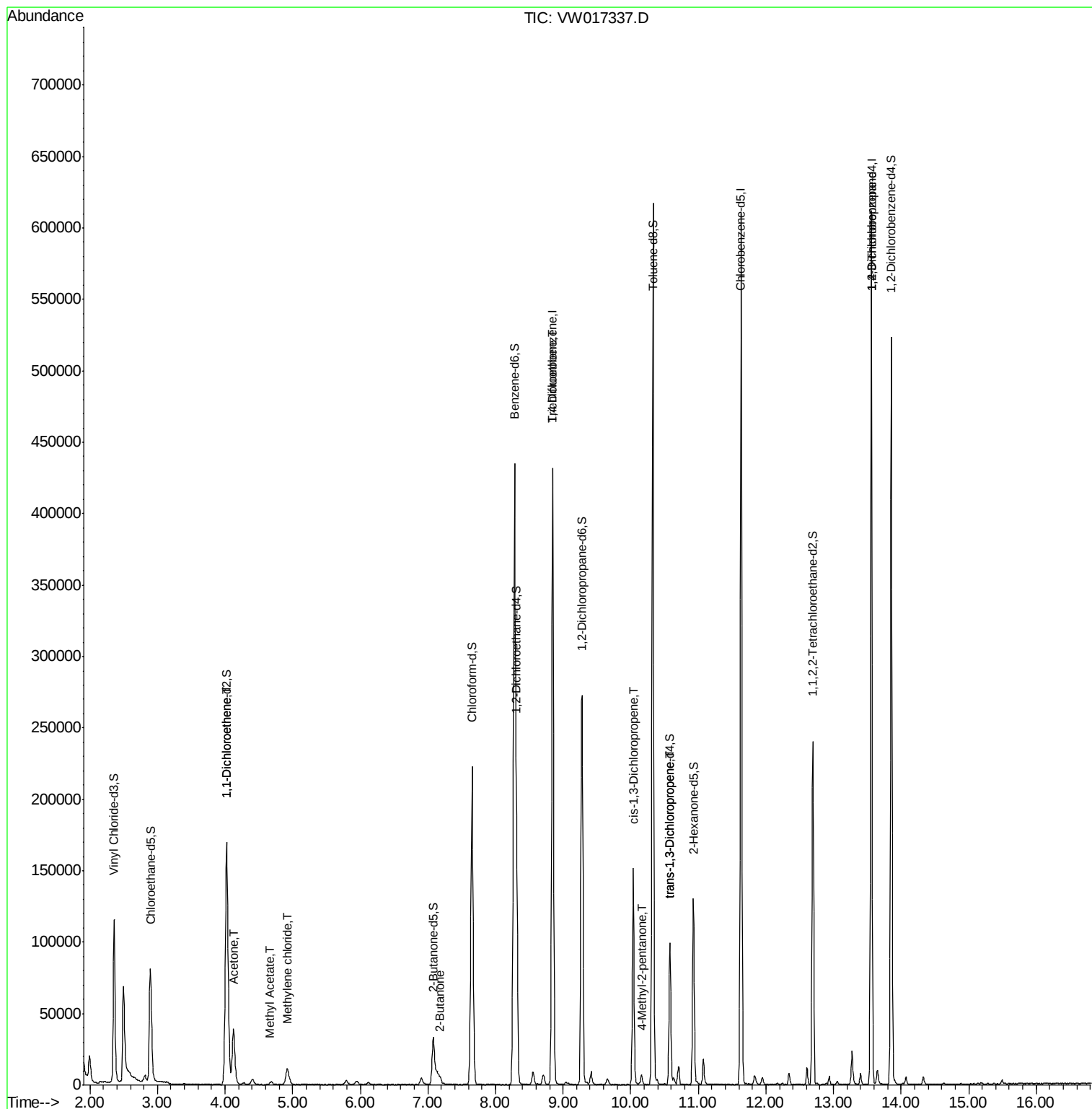
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene        | 4.03  | 96 | 1364  | 0.268 ug/L # | 1      |
| 13) Acetone                   | 4.12  | 43 | 68368 | 99.556 ug/L  | 98     |
| 15) Methyl Acetate            | 4.67  | 43 | 1793  | 1.192 ug/L # | 61     |
| 16) Methylene chloride        | 4.92  | 84 | 9757  | 1.473 ug/L   | 99     |
| 21) 2-Butanone                | 7.18  | 43 | 6833  | 6.491 ug/L   | 86     |
| 35) Trichloroethene           | 8.85  | 95 | 11213 | 1.988 ug/L # | 2      |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75 | 4007  | 0.573 ug/L # | 60     |
| 43) 4-Methyl-2-pentanone      | 10.16 | 43 | 2826  | 1.263 ug/L # | 41     |
| 45) trans-1,3-Dichloropropene | 10.59 | 75 | 2834  | 0.478 ug/L   | 91     |
| 59) 1,2,3-Trichloropropane    | 13.56 | 75 | 17702 | 6.371 ug/L   | 98     |

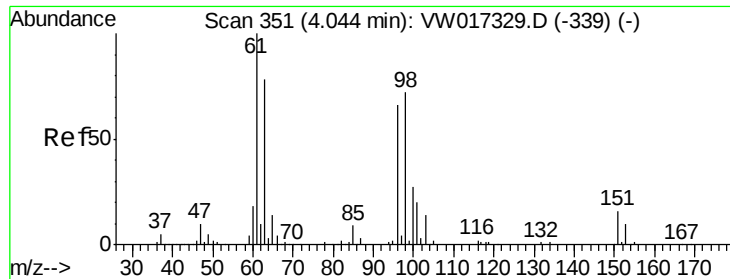
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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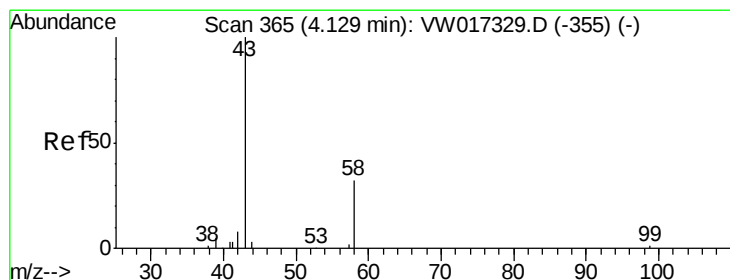
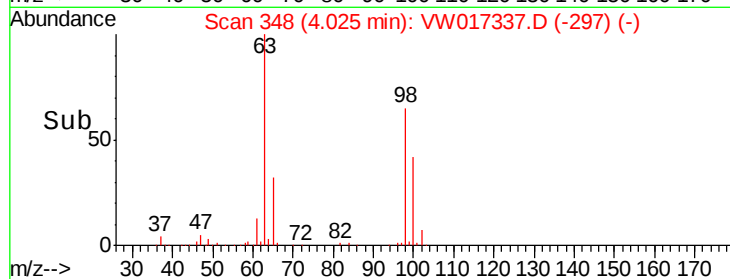
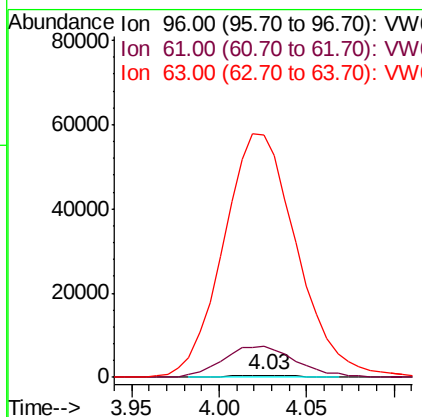
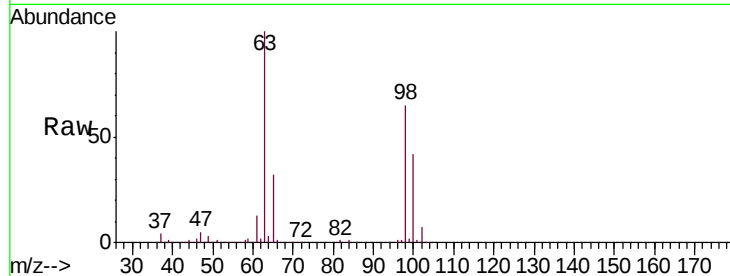




#12  
 1,1-Dichloroethene  
 Concen: 0.268 ug/L  
 RT: 4.03 min Scan# 348  
 Delta R.T. -0.02 min  
 Lab File: VW017337.D  
 Acq: 18 Nov 2020 19:05

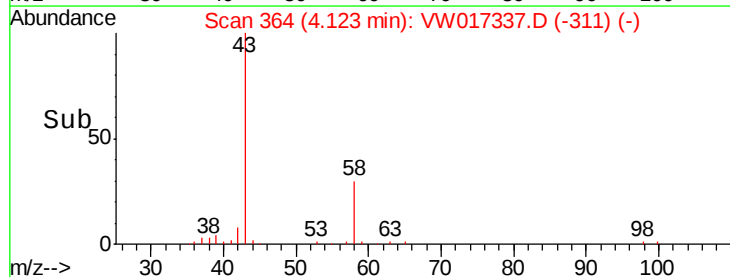
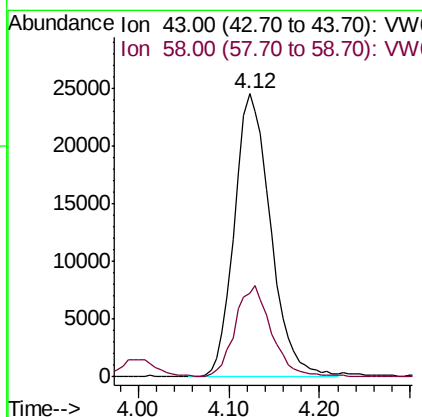
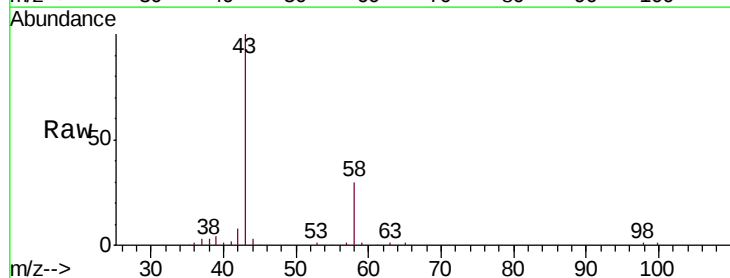
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 GB0Z0

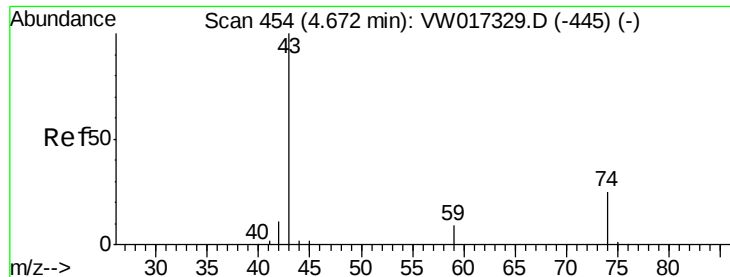
Tgt Ion: 96 Resp: 1364  
 Ion Ratio Lower Upper  
 96 100  
 61 1406.5 104.7 194.4#  
 63 10971.0 69.6 129.2#



#13  
 Acetone  
 Concen: 99.556 ug/L  
 RT: 4.12 min Scan# 364  
 Delta R.T. -0.01 min  
 Lab File: VW017337.D  
 Acq: 18 Nov 2020 19:05

Tgt Ion: 43 Resp: 68368  
 Ion Ratio Lower Upper  
 43 100  
 58 32.1 0.0 67.0

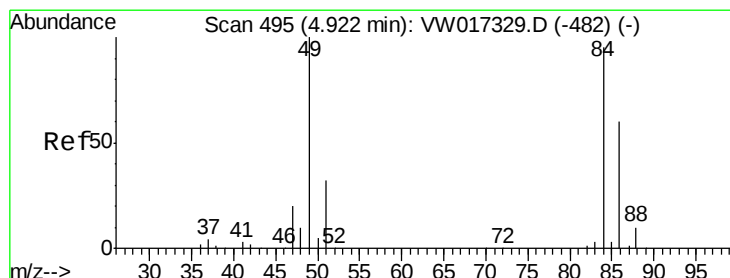
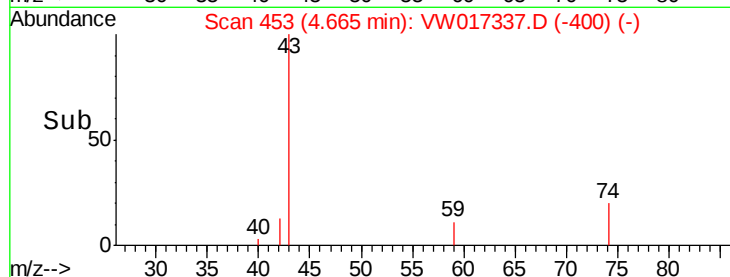
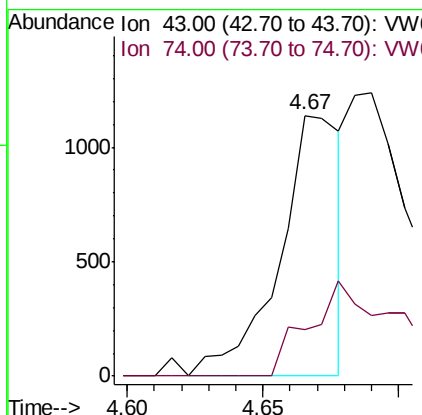
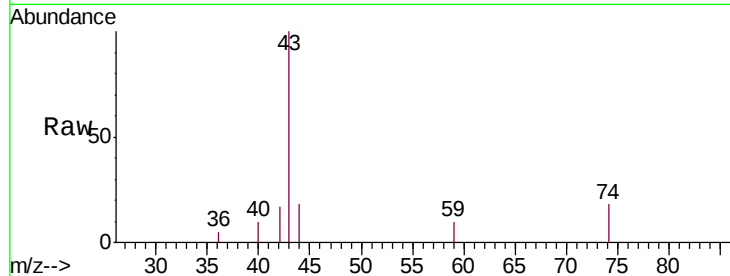




#15  
Methyl Acetate  
Concen: 1.192 ug/L  
RT: 4.67 min Scan# 453  
Delta R.T. -0.01 min  
Lab File: VW017337.D  
Acq: 18 Nov 2020 19:05

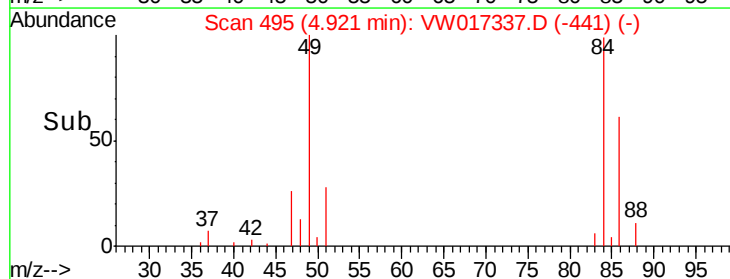
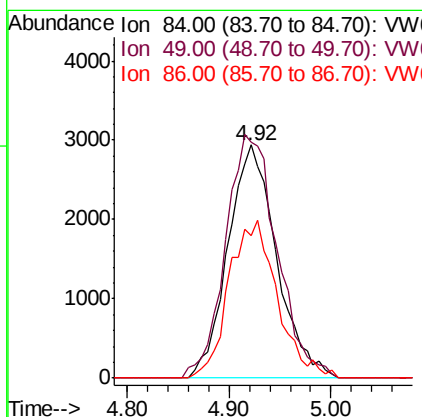
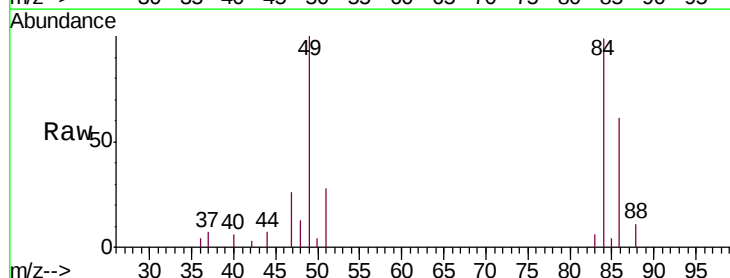
Instrument :  
MSVOA\_W  
ClientSampled :  
GB0Z0

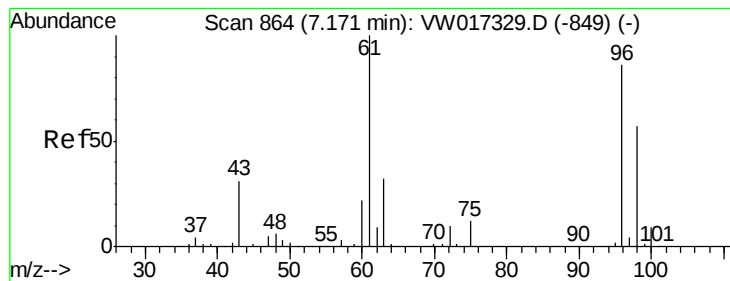
Tgt Ion: 43 Resp: 1793  
Ion Ratio Lower Upper  
43 100  
74 8.6 23.7 35.5#



#16  
Methylene chloride  
Concen: 1.473 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. -0.00 min  
Lab File: VW017337.D  
Acq: 18 Nov 2020 19:05

Tgt Ion: 84 Resp: 9757  
Ion Ratio Lower Upper  
84 100  
49 101.2 71.5 132.9  
86 61.3 42.8 79.4





#21

2-Butanone

Concen: 6.491 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017337.D

Acq: 18 Nov 2020 19:05

Instrument :

MSVOA\_W

ClientSampleId :

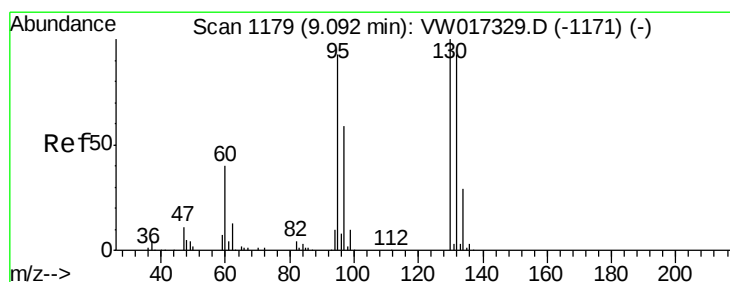
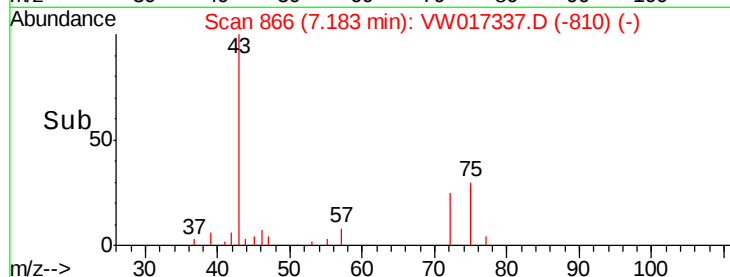
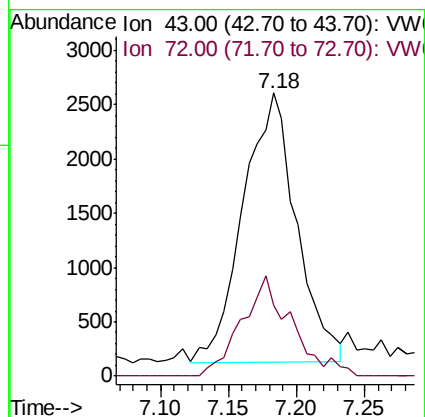
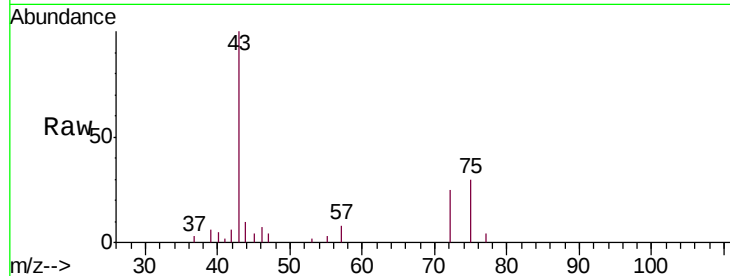
GB0Z0

Tgt Ion: 43 Resp: 6833

Ion Ratio Lower Upper

43 100

72 25.0 16.4 49.1



#35

Trichloroethene

Concen: 1.988 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017337.D

Acq: 18 Nov 2020 19:05

Tgt Ion: 95 Resp: 11213

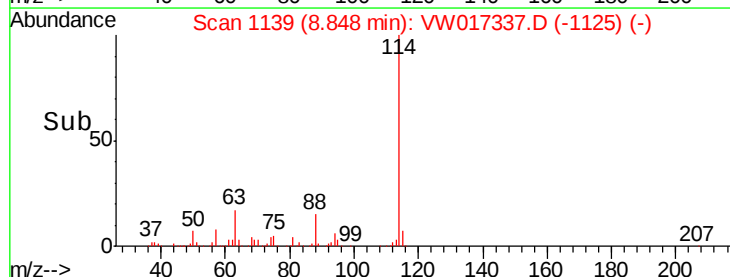
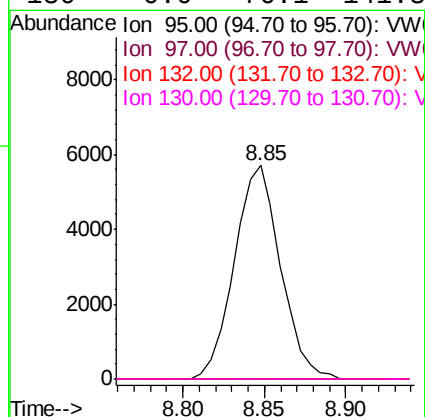
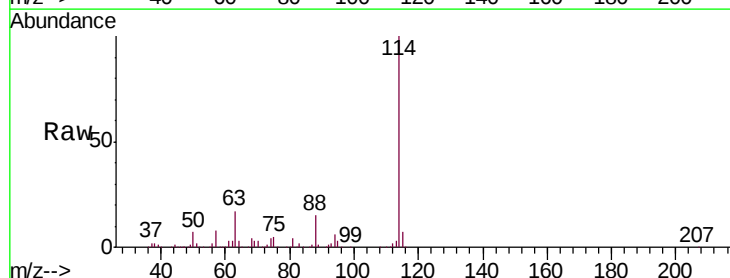
Ion Ratio Lower Upper

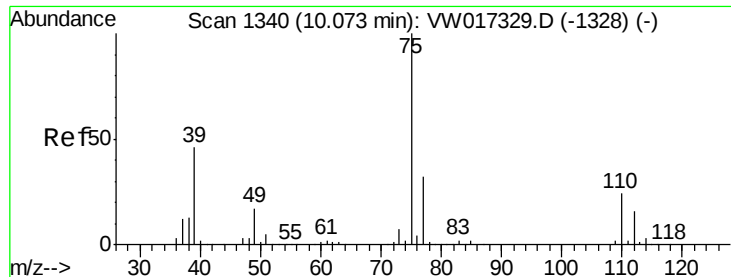
95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#





#42

cis-1,3-Dichloropropene

Concen: 0.573 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017337.D

Acq: 18 Nov 2020 19:05

Instrument :

MSVOA\_W

ClientSampleId :

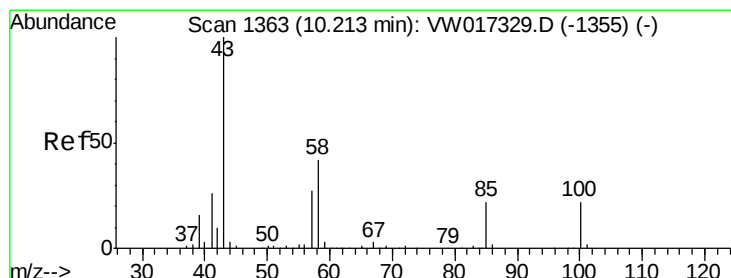
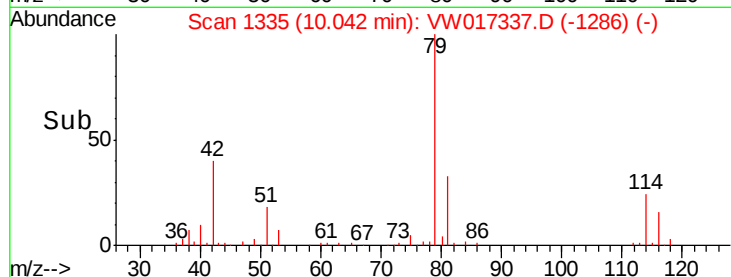
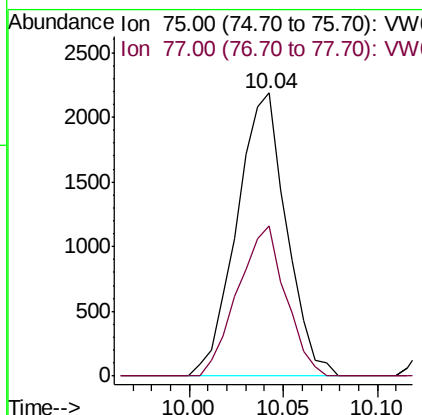
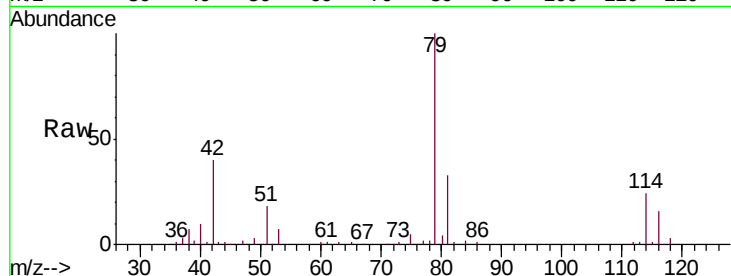
GB0Z0

Tgt Ion: 75 Resp: 4007

Ion Ratio Lower Upper

75 100

77 53.0 21.8 40.4#



#43

4-Methyl-2-pentanone

Concen: 1.263 ug/L

RT: 10.16 min Scan# 1355

Delta R.T. -0.05 min

Lab File: VW017337.D

Acq: 18 Nov 2020 19:05

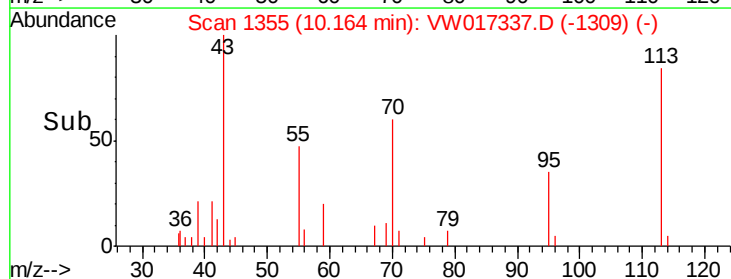
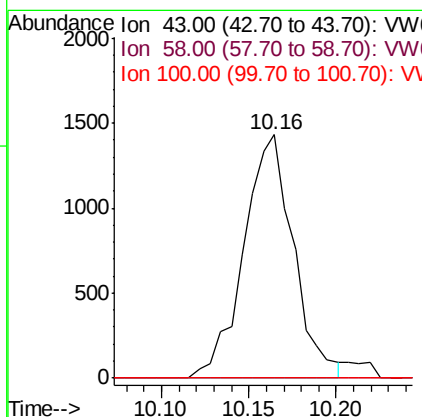
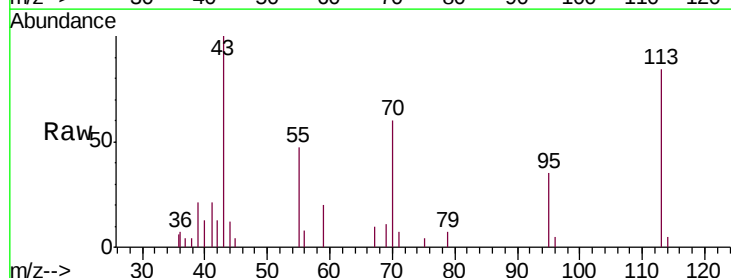
Tgt Ion: 43 Resp: 2826

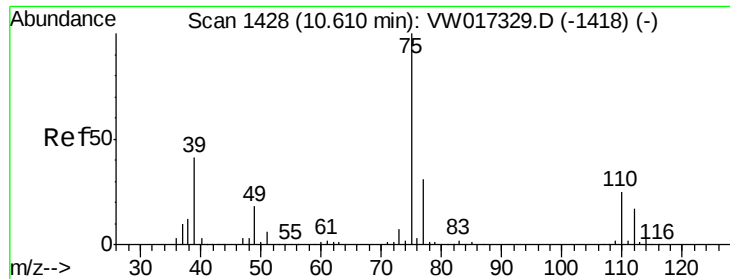
Ion Ratio Lower Upper

43 100

58 0.0 33.4 50.2#

100 0.0 16.3 24.5#





#45

trans-1,3-Dichloropropene

Concen: 0.478 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

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Instrument :

MSVOA\_W

ClientSampleId :

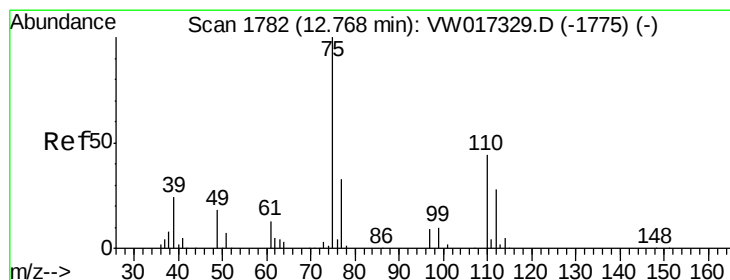
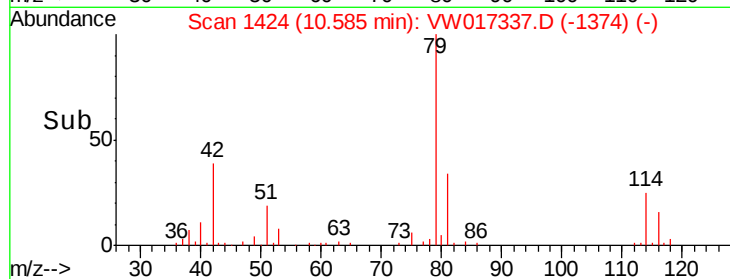
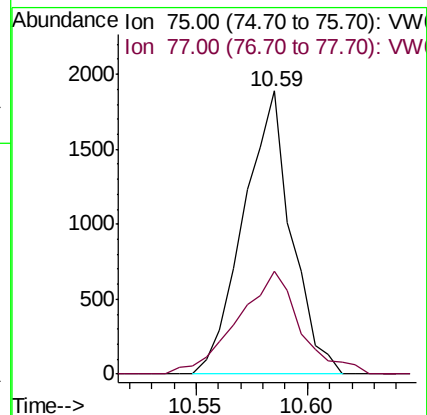
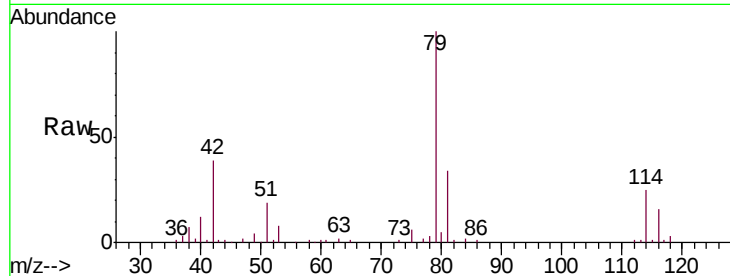
GB0Z0

Tgt Ion: 75 Resp: 2834

Ion Ratio Lower Upper

75 100

77 36.4 22.0 40.8



#59

1,2,3-Trichloropropane

Concen: 6.371 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017337.D

Acq: 18 Nov 2020 19:05

Tgt Ion: 75 Resp: 17702

Ion Ratio Lower Upper

75 100

77 34.6 26.6 40.0

