

Data File : VW017339.D  
Acq On : 18 Nov 2020 19:52  
Operator : SY/VA  
Sample : L4739-19RE  
Misc : 6.57G/10ML/MSVOA\_W/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB106

Quant Time: Nov 19 05:06:59 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     | 8.84  | 114  | 404131   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 318181   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 96847    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 146617   | 24.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.00%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 116390   | 24.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.96%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 190990   | 18.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 73.00%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 54188    | 55.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 110.30% |
| 24) Chloroform-d               | 7.65   | 84    | 256515   | 24.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.64%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 132648   | 25.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.44% |
| 29) Benzene-d6                 | 8.27   | 84    | 503005   | 28.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 112.16% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 138005   | 28.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 115.52% |
| 37) Toluene-d8                 | 10.32  | 98    | 453576   | 26.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 107.44% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 56303    | 27.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 108.24% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 42025    | 65.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 131.18% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 95001    | 26.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.96% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 82318    | 23.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.08%  |

#### Target Compounds

|                                |       |     |        |        | Qvalue |     |
|--------------------------------|-------|-----|--------|--------|--------|-----|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.01  | 101 | 1985   | 0.358  | ug/L # | 16  |
| 12) 1,1-Dichloroethene         | 4.03  | 96  | 1955   | 0.368  | ug/L # | 1   |
| 13) Acetone                    | 4.14  | 43  | 12622  | 17.607 | ug/L   | 96  |
| 16) Methylene chloride         | 4.92  | 84  | 10696  | 1.547  | ug/L   | 99  |
| 21) 2-Butanone                 | 7.27  | 43  | 903    | 0.822  | ug/L   | 87  |
| 22) cis-1,2-Dichloroethene     | 7.17  | 96  | 82916  | 14.341 | ug/L   | 97  |
| 34) Benzene                    | 8.32  | 78  | 5288   | 0.294  | ug/L   | 100 |
| 35) Trichloroethene            | 9.10  | 95  | 113196 | 22.263 | ug/L   | 99  |
| 40) 1,2-Dichloropropane        | 9.27  | 63  | 16333  | 4.017  | ug/L # | 85  |
| 42) cis-1,3-Dichloropropene    | 10.04 | 75  | 4493   | 0.712  | ug/L # | 70  |
| 44) Toluene                    | 10.39 | 91  | 4806   | 0.241  | ug/L   | 86  |
| 47) Tetrachloroethene          | 10.87 | 164 | 1736   | 0.377  | ug/L   | 87  |
| 49) 2-Hexanone                 | 10.93 | 43  | 5017   | 4.131  | ug/L # | 62  |
| 50) Dibromochloromethane       | 10.87 | 129 | 1582   | 0.386  | ug/L # | 12  |
| 59) 1,2,3-Trichloropropane     | 13.56 | 75  | 10055  | 4.013  | ug/L   | 98  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW111820\  
Quantitation Report (Not Reviewed)

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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB106

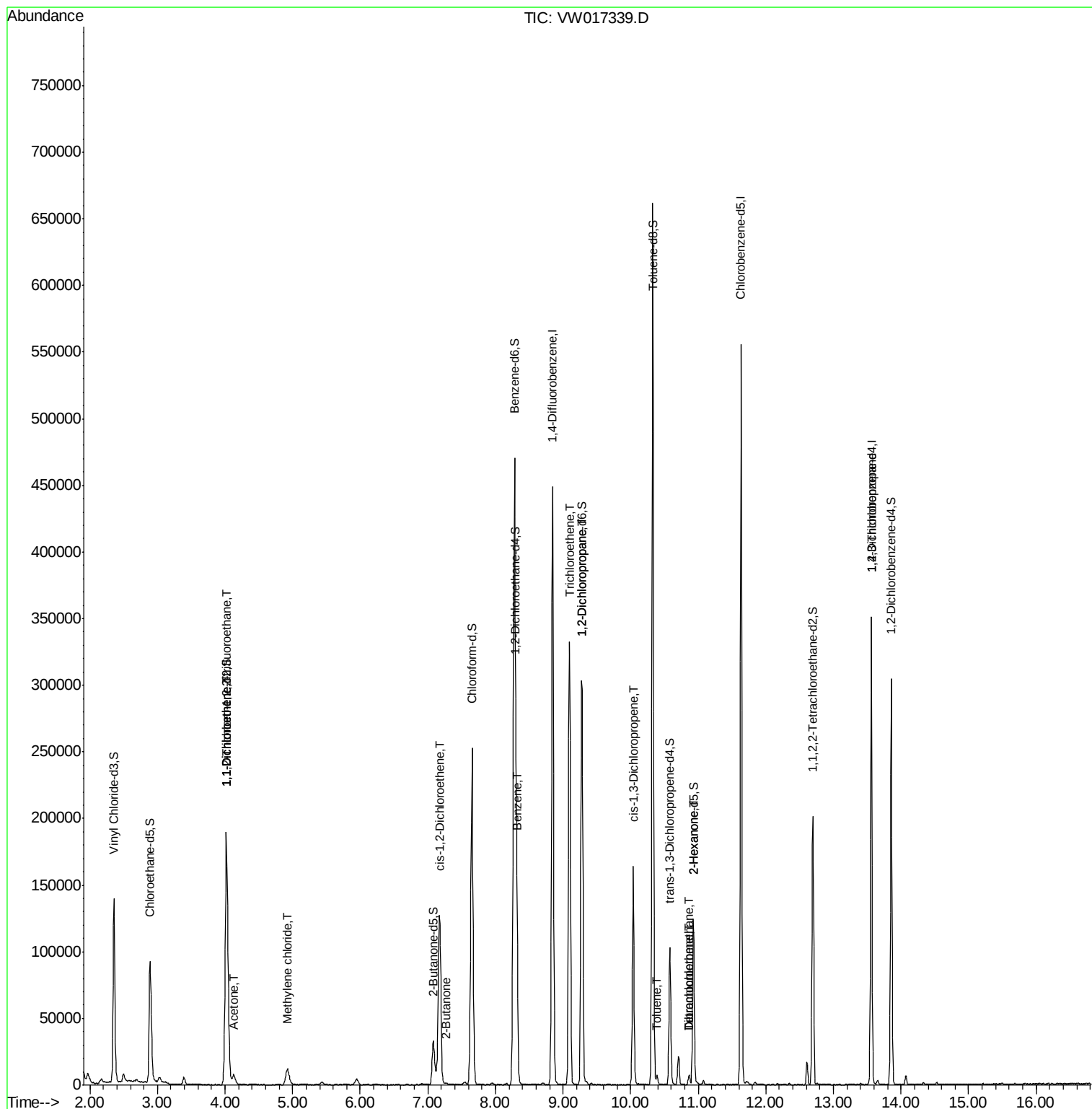
Quant Time: Nov 19 05:06:59 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111820S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Nov 19 05:03:18 2020  
Response via : Initial Calibration

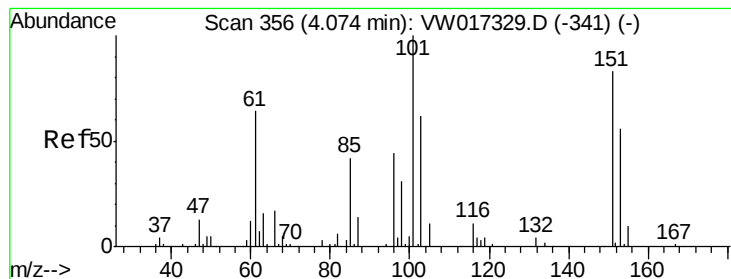
| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

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Quant Title : VOC Analysis  
QLast Update : Thu Nov 19 05:03:18 2020  
Response via : Initial Calibration





#11

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

Concen: 0.358 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.06 min

Lab File: VW017339.D

Acq: 18 Nov 2020 19:52

Instrument :

MSVOA\_W

ClientSampleId :

GB106

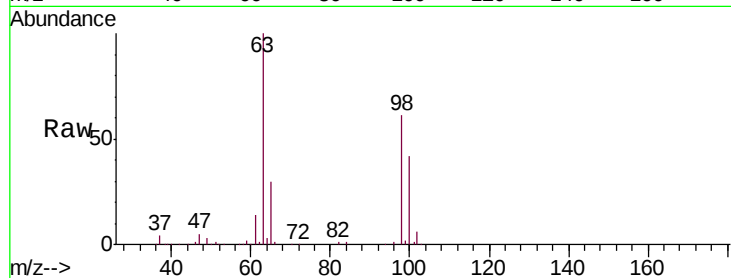
Tgt Ion: 101 Resp: 1985

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

4.01

600

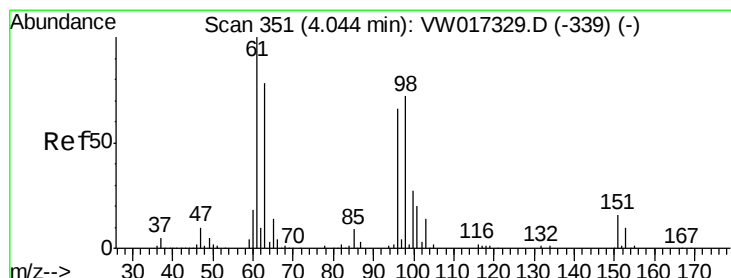
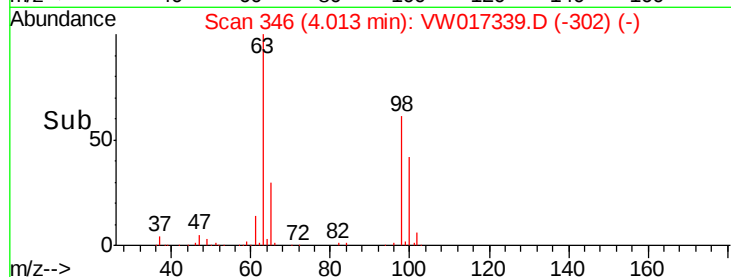
400

200

0

3.95 4.00 4.05 4.10

Time-->



#12

1,1-Dichloroethene

Concen: 0.368 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.02 min

Lab File: VW017339.D

Acq: 18 Nov 2020 19:52

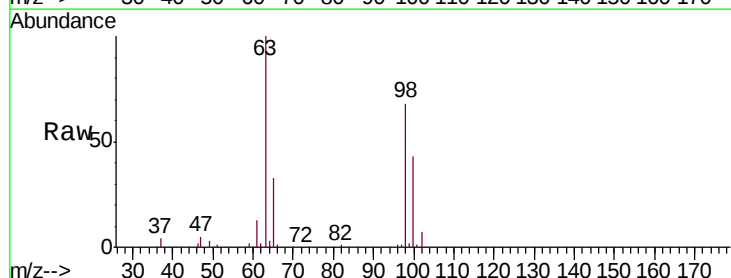
Tgt Ion: 96 Resp: 1955

Ion Ratio Lower Upper

96 100

61 1025.3 104.7 194.4#

63 7790.7 69.6 129.2#



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

80000

60000

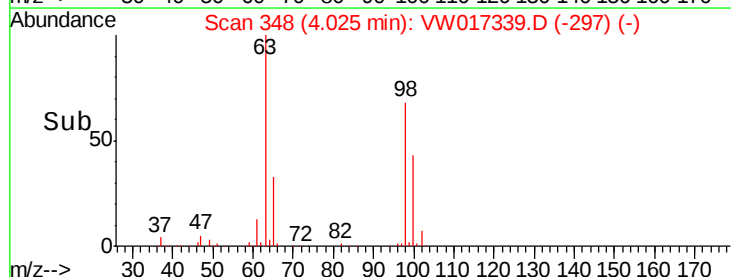
40000

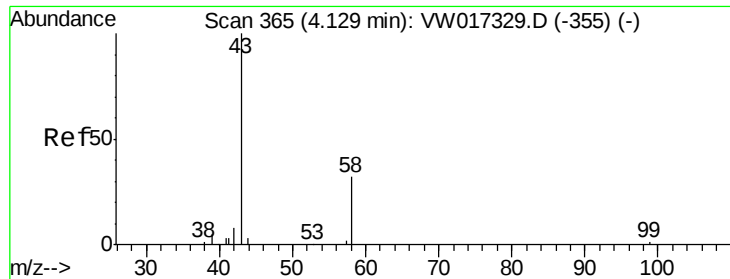
20000

0

3.95 4.00 4.05

Time-->





#13

Acetone

Concen: 17.607 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017339.D

Acq: 18 Nov 2020 19:52

Instrument :

MSVOA\_W

ClientSampleId :

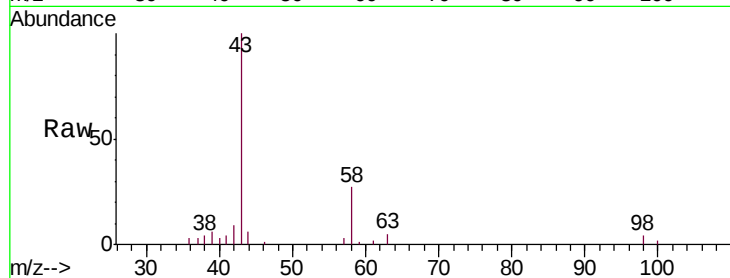
GB106

Tgt Ion: 43 Resp: 12622

Ion Ratio Lower Upper

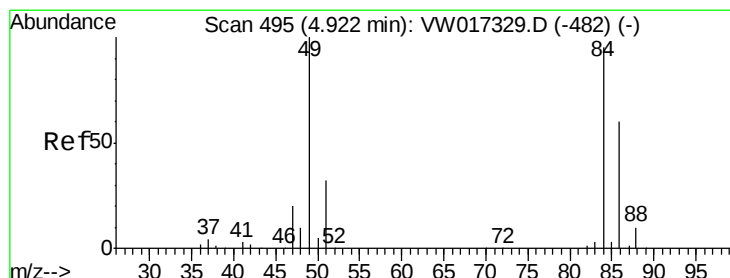
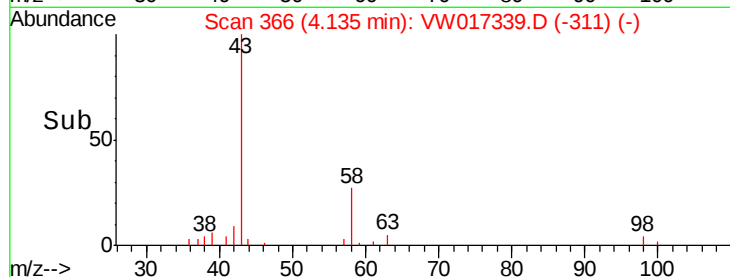
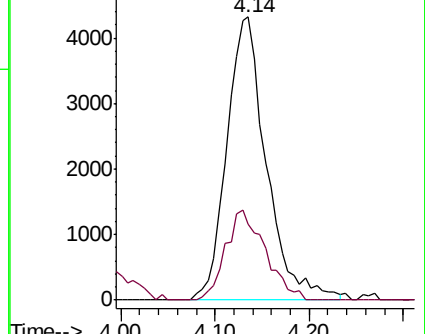
43 100

58 31.3 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: 1.547 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017339.D

Acq: 18 Nov 2020 19:52

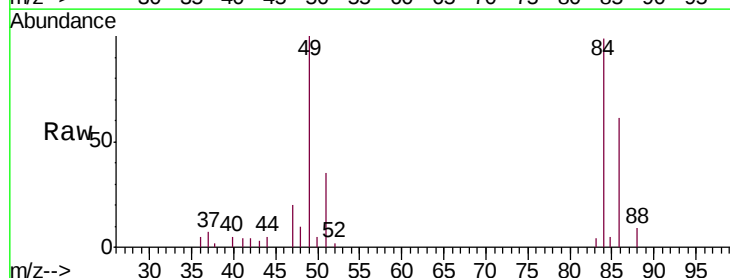
Tgt Ion: 84 Resp: 10696

Ion Ratio Lower Upper

84 100

49 100.6 71.5 132.9

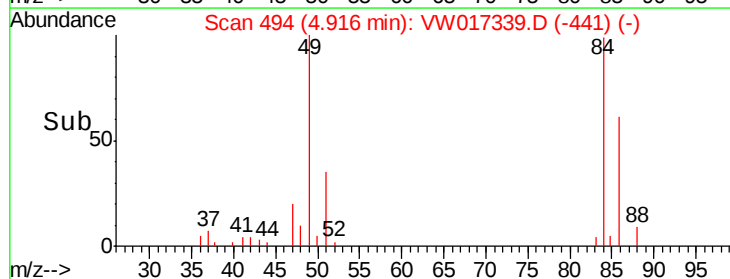
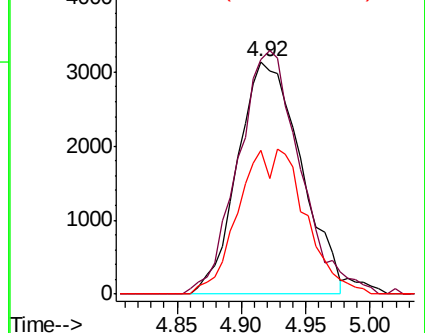
86 61.9 42.8 79.4

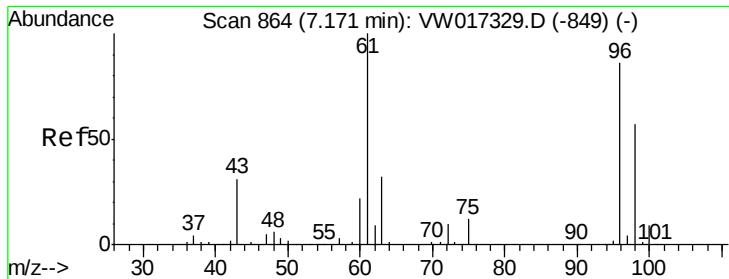


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 0.822 ug/L

RT: 7.27 min Scan# 881

Delta R.T. 0.10 min

Lab File: VW017339.D

Acq: 18 Nov 2020 19:52

Instrument :

MSVOA\_W

ClientSampled :

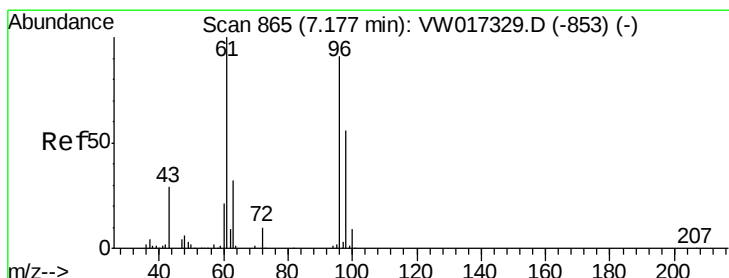
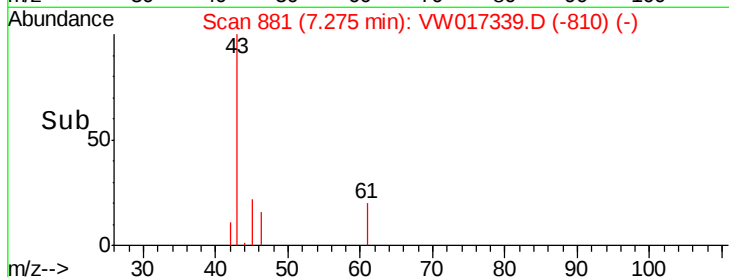
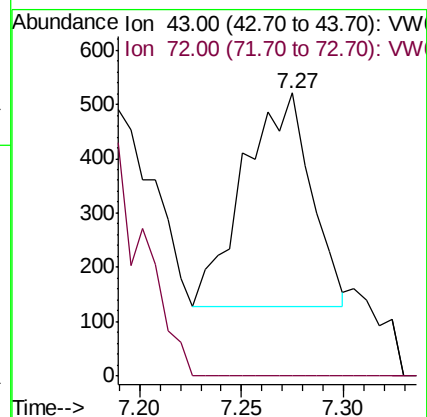
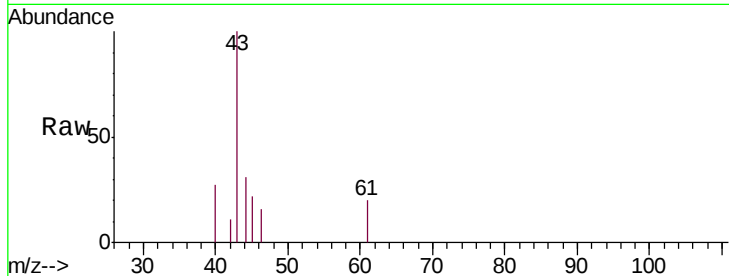
GB106

Tgt Ion: 43 Resp: 903

Ion Ratio Lower Upper

43 100

72 25.1 16.4 49.1



#22

cis-1,2-Dichloroethene

Concen: 14.341 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017339.D

Acq: 18 Nov 2020 19:52

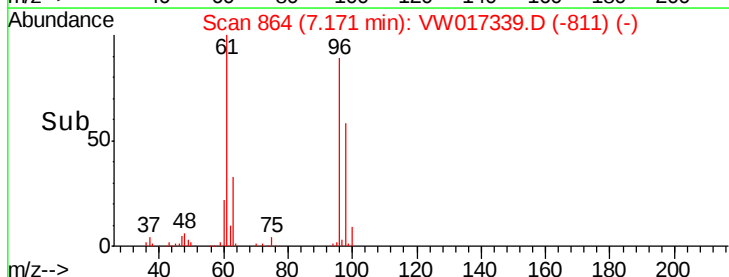
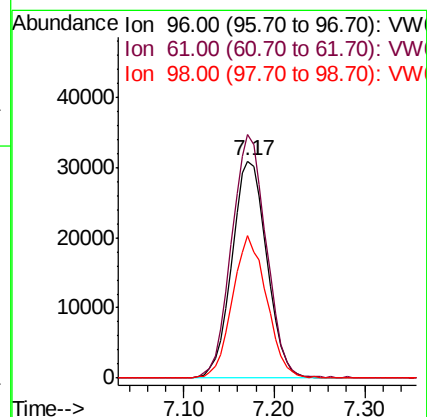
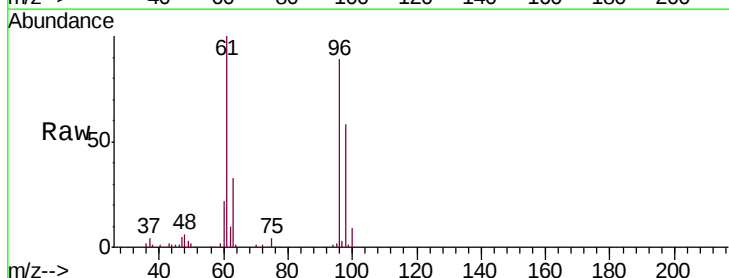
Tgt Ion: 96 Resp: 82916

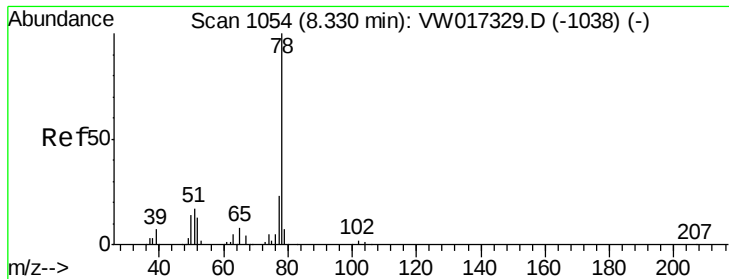
Ion Ratio Lower Upper

96 100

61 112.1 76.1 141.3

98 65.5 44.7 82.9





#34

Benzene

Concen: 0.294 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017339.D

Acq: 18 Nov 2020 19:52

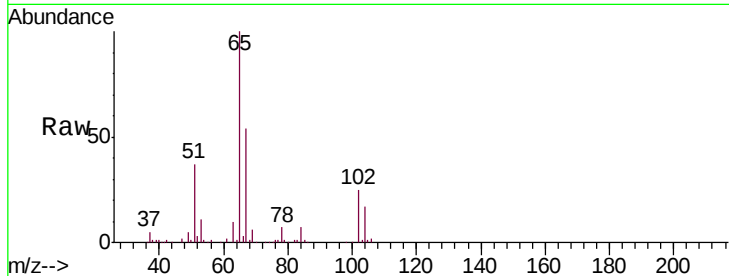
Instrument :

MSVOA\_W

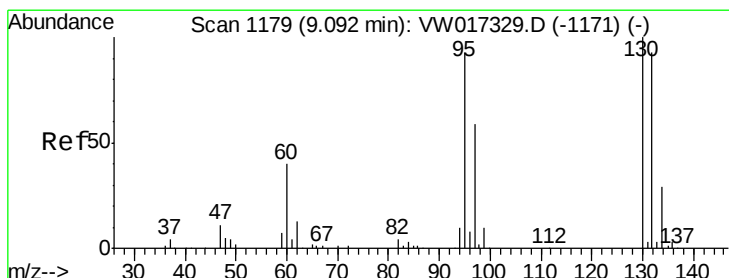
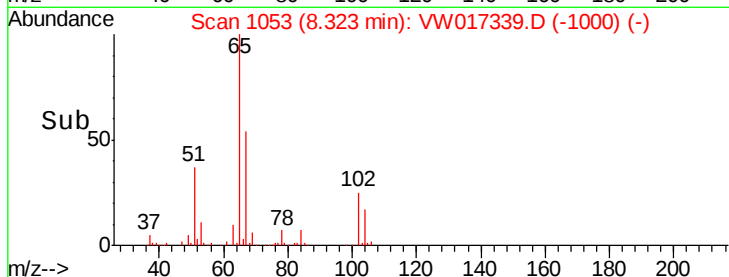
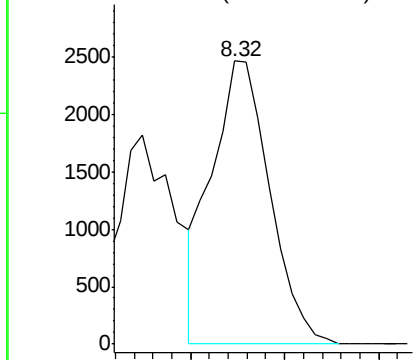
ClientSampleId :

GB106

Tgt Ion: 78 Resp: 5288



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 22.263 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017339.D

Acq: 18 Nov 2020 19:52

Tgt Ion: 95 Resp: 113196

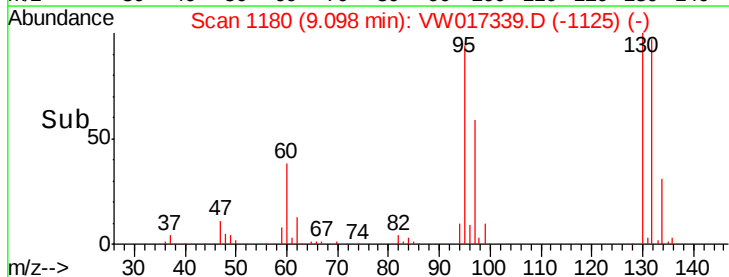
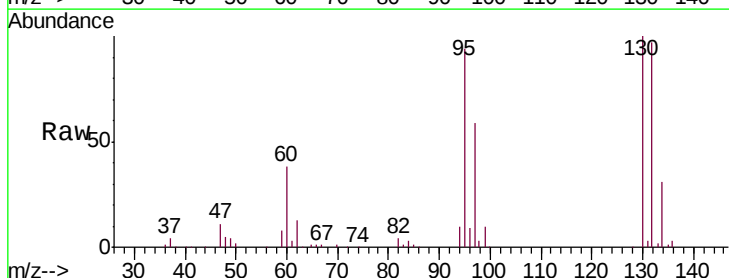
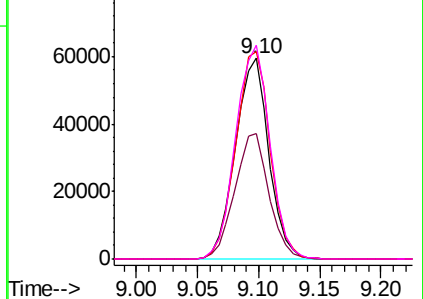
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.7  | 44.7  | 82.9  |
| 132 | 106.0 | 72.7  | 134.9 |
| 130 | 108.9 | 76.1  | 141.3 |

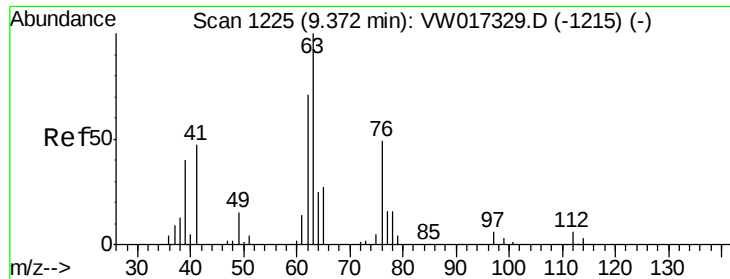
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

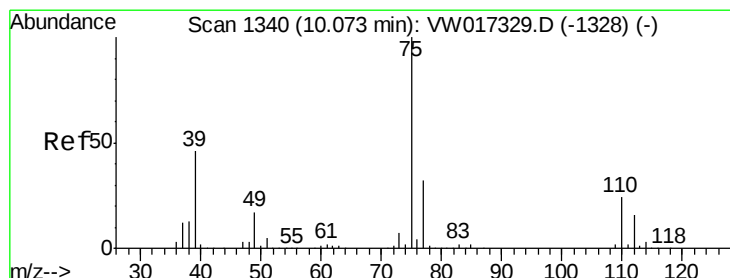
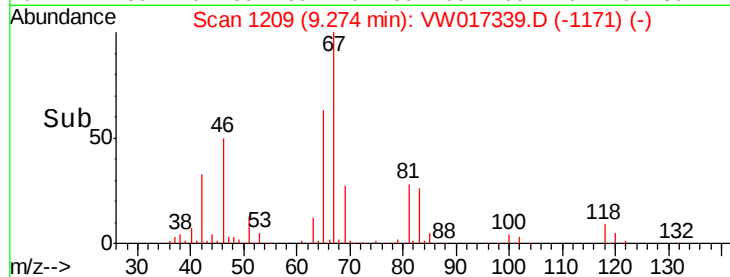
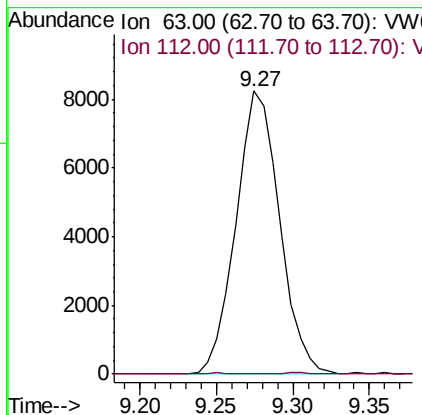
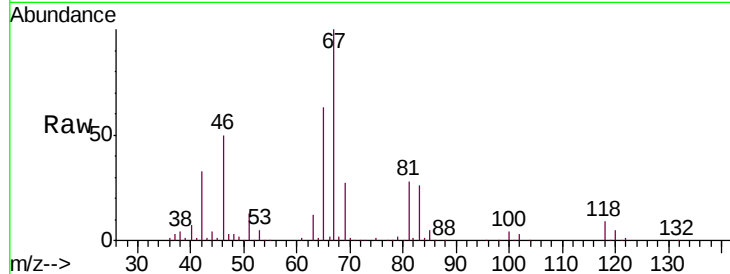




#40  
 1,2-Dichloropropane  
 Concen: 4.017 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.10 min  
 Lab File: VW017339.D  
 Acq: 18 Nov 2020 19:52

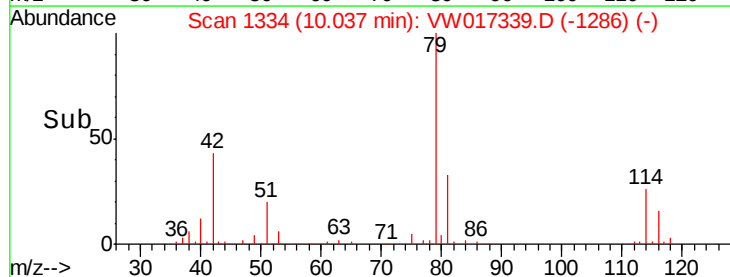
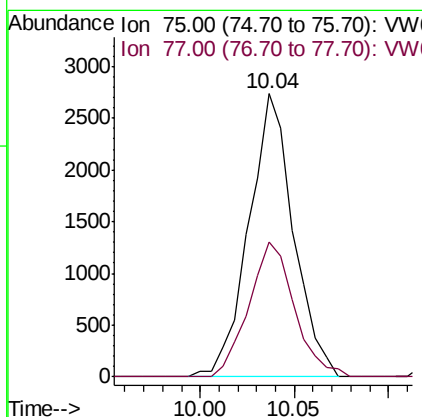
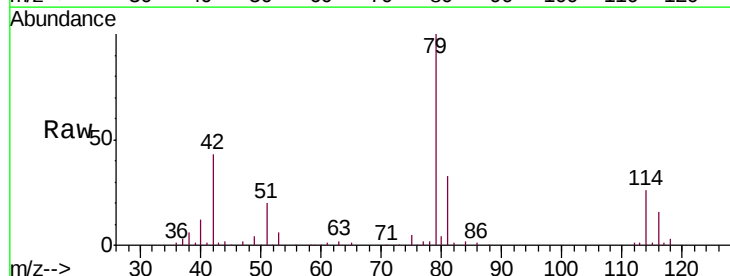
Instrument :  
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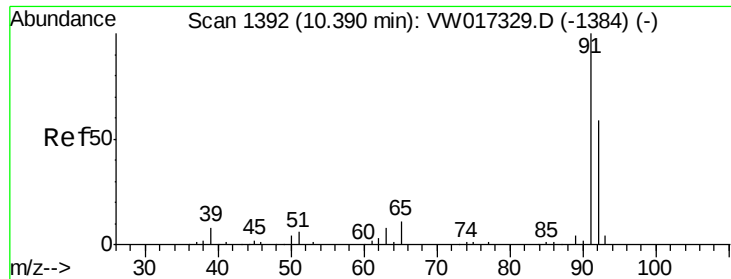
Tgt Ion: 63 Resp: 16333  
 Ion Ratio Lower Upper  
 63 100  
 112 0.3 4.2 6.4#



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.712 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW017339.D  
 Acq: 18 Nov 2020 19:52

Tgt Ion: 75 Resp: 4493  
 Ion Ratio Lower Upper  
 75 100  
 77 47.8 21.8 40.4#





#44

Toluene

Concen: 0.241 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017339.D

Acq: 18 Nov 2020 19:52

Instrument :

MSVOA\_W

ClientSampleId :

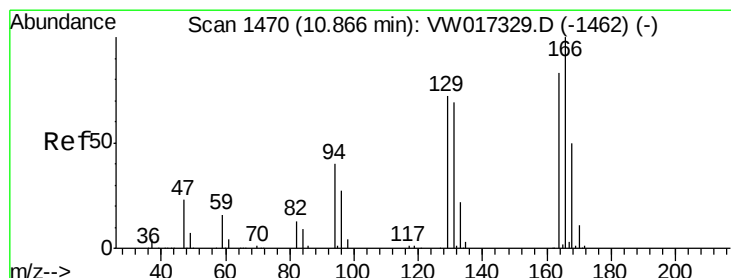
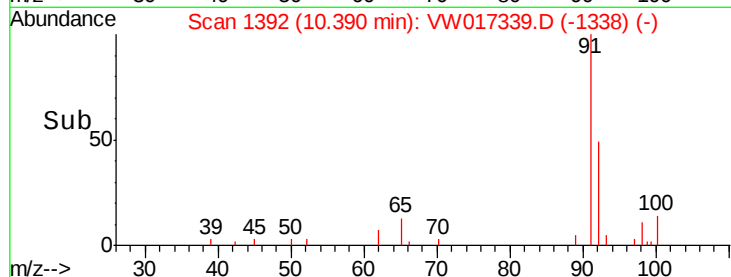
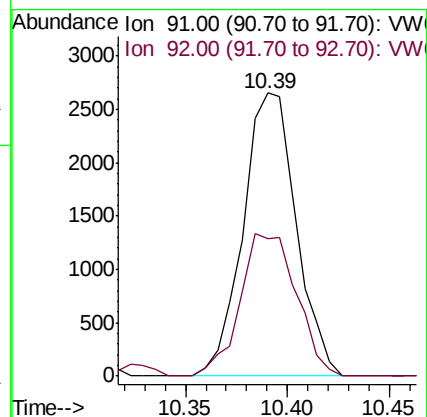
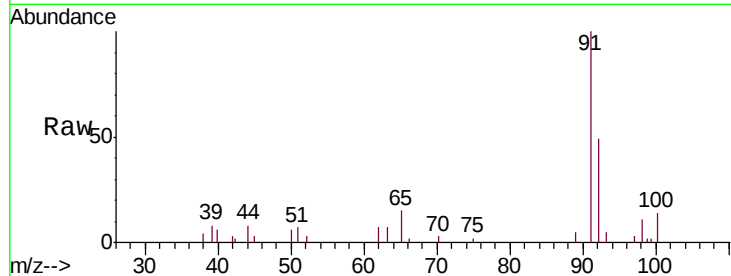
GB106

Tgt Ion: 91 Resp: 4806

Ion Ratio Lower Upper

91 100

92 48.7 41.4 76.8



#47

Tetrachloroethene

Concen: 0.377 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017339.D

Acq: 18 Nov 2020 19:52

Tgt Ion: 164 Resp: 1736

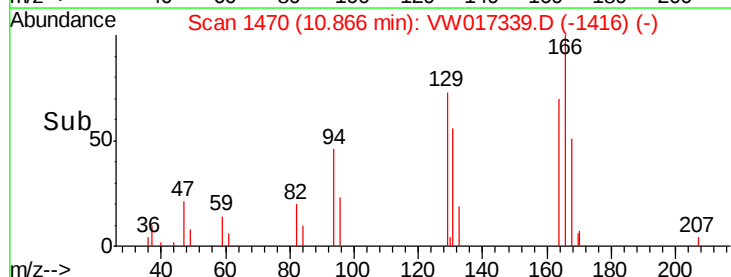
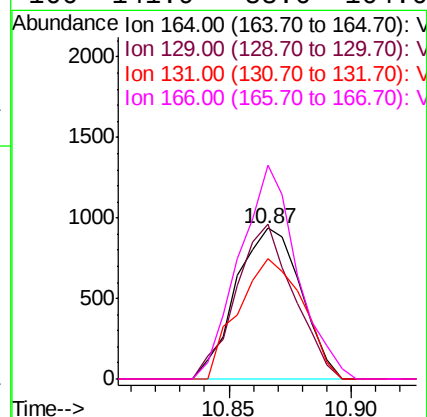
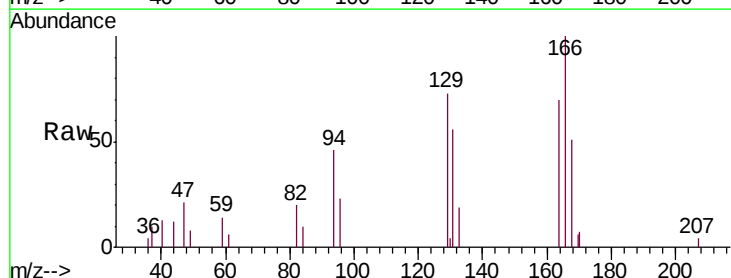
Ion Ratio Lower Upper

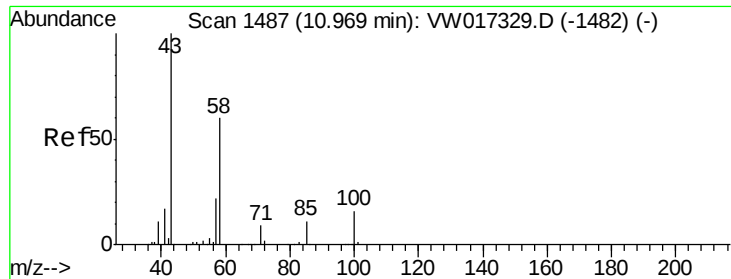
164 100

129 103.1 60.6 112.6

131 79.9 60.4 112.2

166 141.9 88.6 164.6





#49

2-Hexanone

Concen: 4.131 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017339.D

Acq: 18 Nov 2020 19:52

Instrument :

MSVOA\_W

ClientSampleId :

GB106

Tgt Ion: 43 Resp: 5017

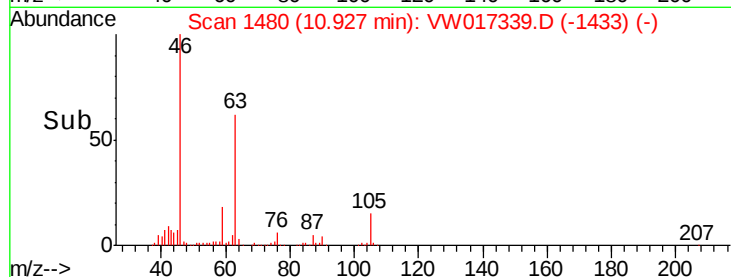
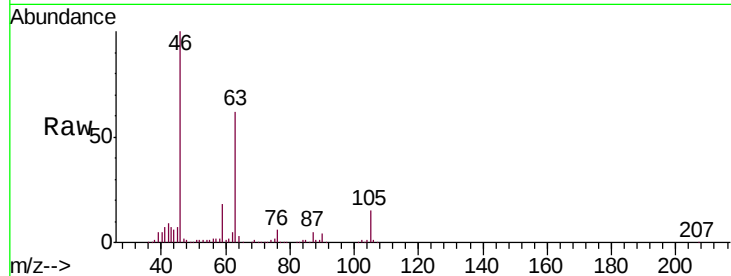
Ion Ratio Lower Upper

43 100

58 28.2 49.4 74.0#

57 32.2 17.0 25.4#

100 0.0 13.1 19.7#

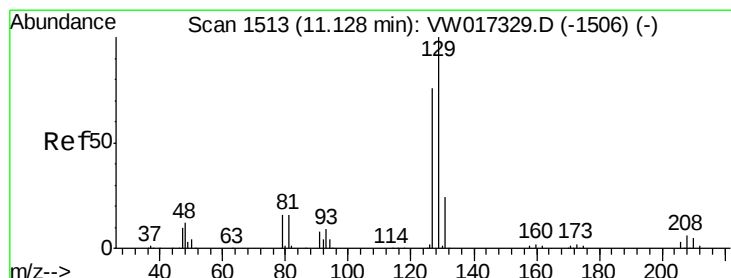
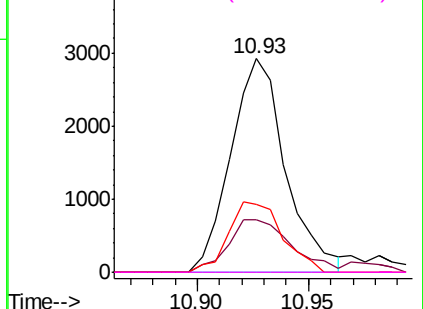


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 0.386 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW017339.D

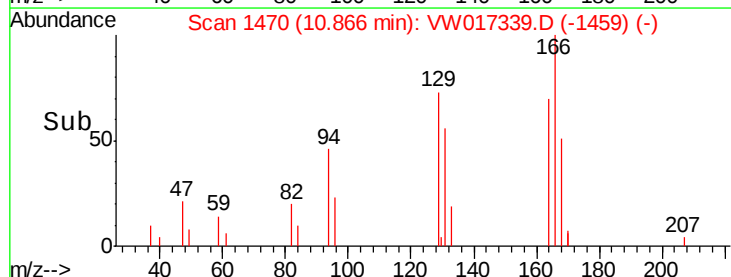
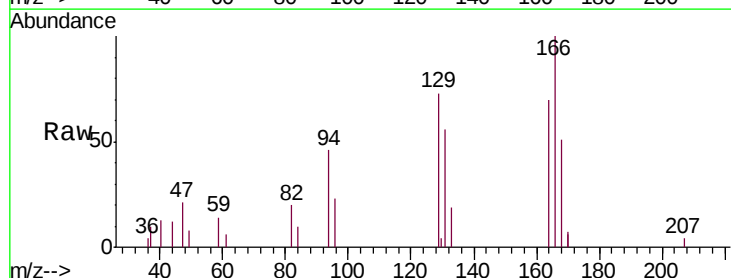
Acq: 18 Nov 2020 19:52

Tgt Ion: 129 Resp: 1582

Ion Ratio Lower Upper

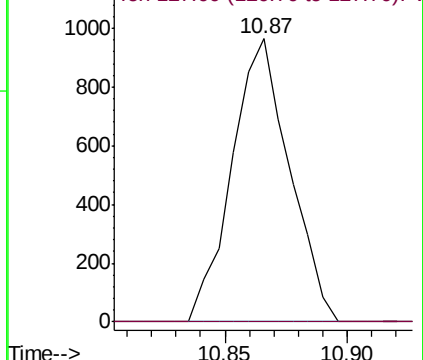
129 100

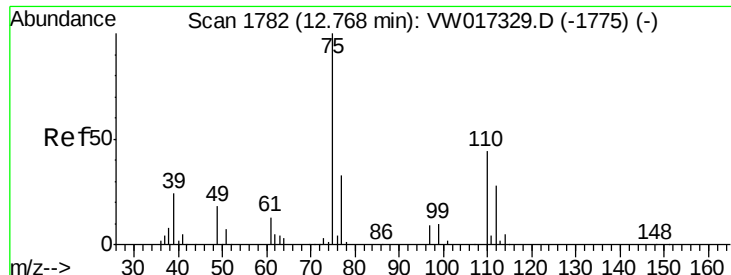
127 0.0 51.8 96.2#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 4.013 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017339.D

Acq: 18 Nov 2020 19:52

Instrument :

MSVOA\_W

ClientSampleId :

GB106

Tgt Ion: 75 Resp: 10055

Ion Ratio Lower Upper

75 100

77 34.4 26.6 40.0

