

Data File : VW017395.D  
Acq On : 20 Nov 2020 01:30  
Operator : SY/VA  
Sample : L4794-12  
Misc : 5.67G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0BD4

Quant Time: Nov 20 04:40:04 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  | 218689   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 202964   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 79926    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 65049    | 20.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.36%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 57502    | 22.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.44%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 92693    | 16.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.48%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 28249    | 53.13    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 106.26% |
| 24) Chloroform-d               | 7.65   | 84    | 151208   | 26.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.28% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 77173    | 27.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 111.20% |
| 29) Benzene-d6                 | 8.27   | 84    | 279231   | 24.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.60%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 82033    | 26.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 107.64% |
| 37) Toluene-d8                 | 10.33  | 98    | 256010   | 23.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.08%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 30593    | 23.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 92.20%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 19746    | 48.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 96.62%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 59928    | 25.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.76% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 80767    | 27.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 109.48% |

#### Target Compounds

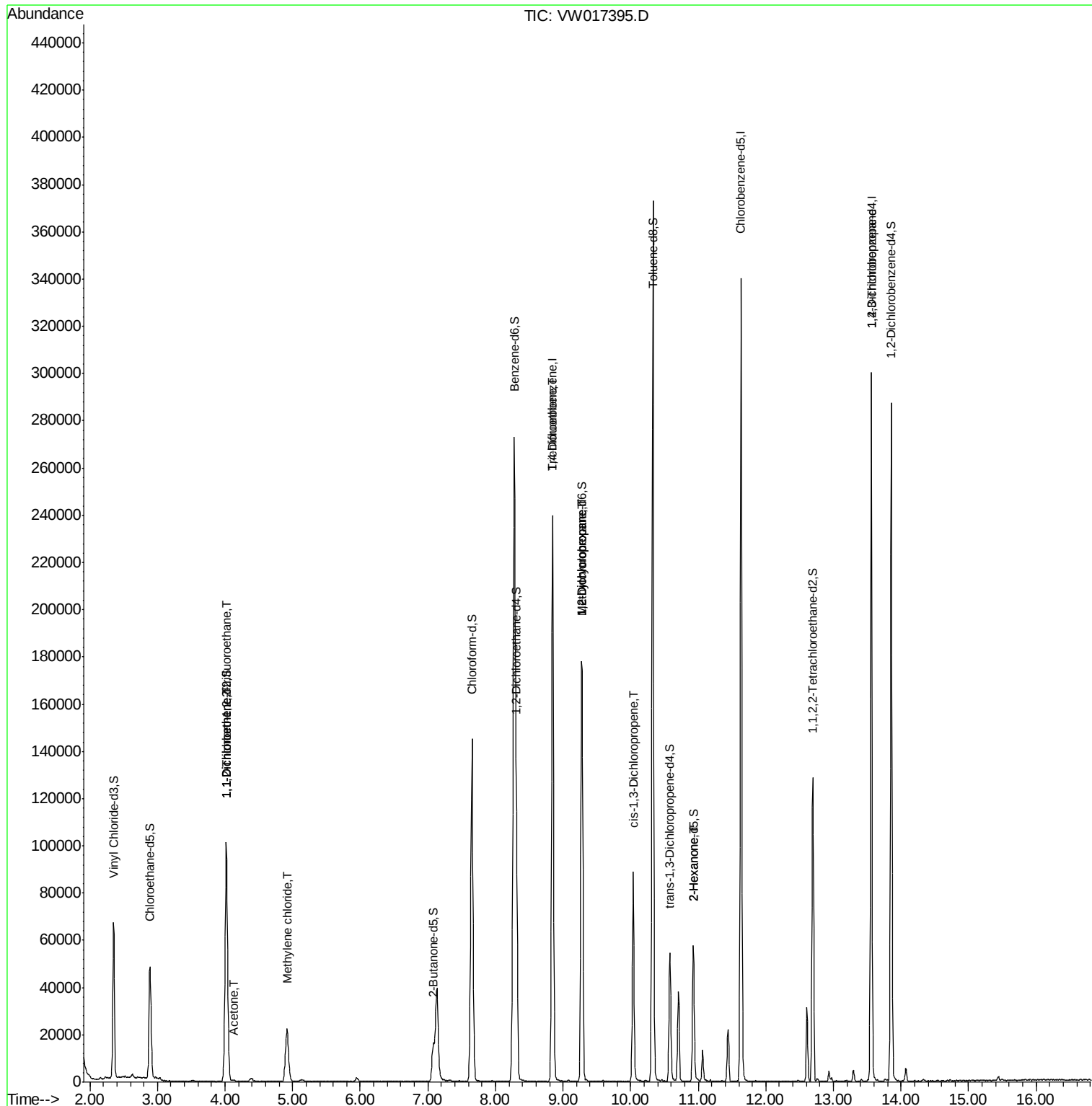
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.02  | 101 | 894   | 0.298 ug/L # | 16     |
| 12) 1,1-Dichloroethene         | 4.03  | 96  | 779   | 0.271 ug/L # | 1      |
| 13) Acetone                    | 4.13  | 43  | 1185  | 3.055 ug/L   | 79     |
| 16) Methylene chloride         | 4.92  | 84  | 18532 | 4.954 ug/L   | 90     |
| 35) Trichloroethene            | 8.84  | 95  | 6352  | 1.958 ug/L # | 2      |
| 36) Methylcyclohexane          | 9.27  | 83  | 21341 | 4.118 ug/L # | 22     |
| 40) 1,2-Dichloropropane        | 9.27  | 63  | 9951  | 3.837 ug/L # | 87     |
| 42) cis-1,3-Dichloropropene    | 10.04 | 75  | 2417  | 0.600 ug/L # | 52     |
| 49) 2-Hexanone                 | 10.92 | 43  | 2405  | 3.104 ug/L # | 63     |
| 59) 1,2,3-Trichloropropane     | 13.56 | 75  | 8677  | 5.429 ug/L   | 98     |

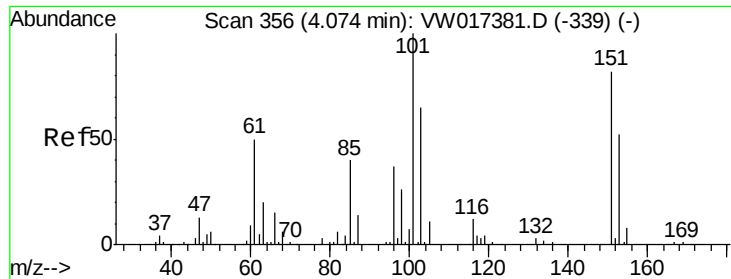
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#11

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

Concen: 0.298 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017395.D

Acq: 20 Nov 2020 01:30

Instrument :

MSVOA\_W

ClientSampleId :

C0BD4

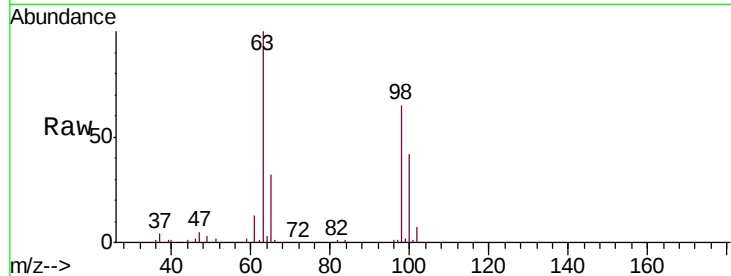
Tgt Ion: 101 Resp: 894

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

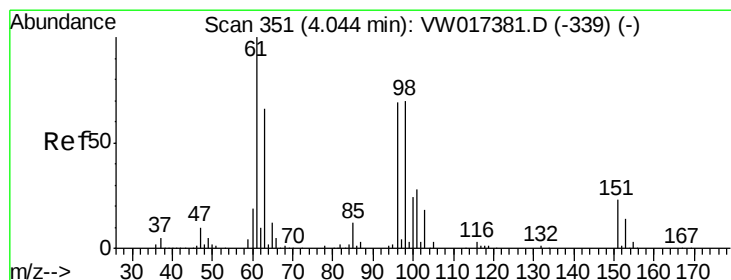
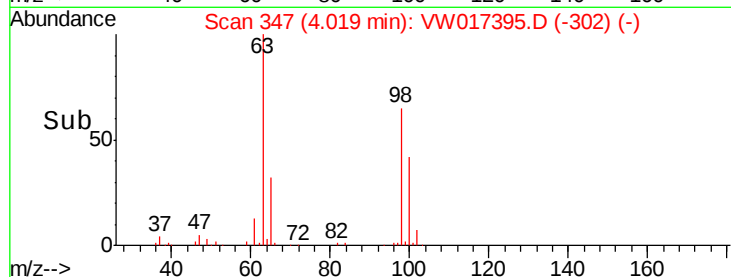
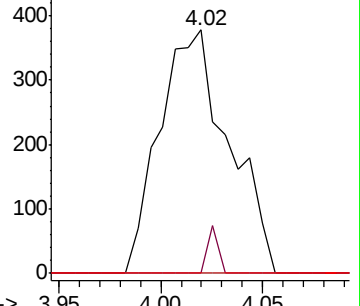
151 0.0 66.3 99.5#



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



#12

1,1-Dichloroethene

Concen: 0.271 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.02 min

Lab File: VW017395.D

Acq: 20 Nov 2020 01:30

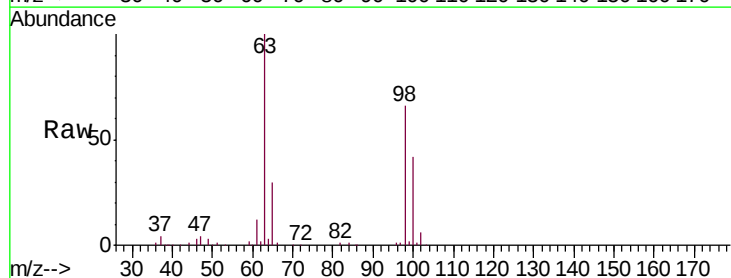
Tgt Ion: 96 Resp: 779

Ion Ratio Lower Upper

96 100

61 1072.0 104.7 194.4#

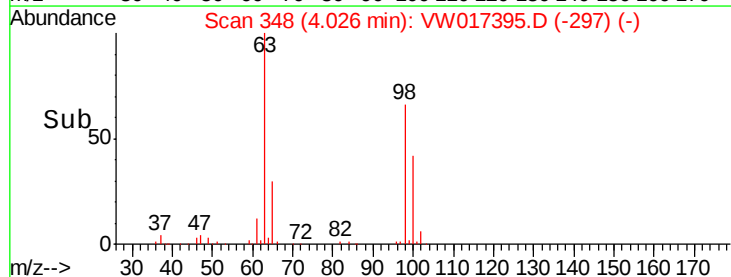
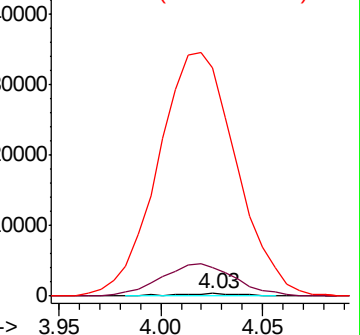
63 8588.4 69.6 129.2#

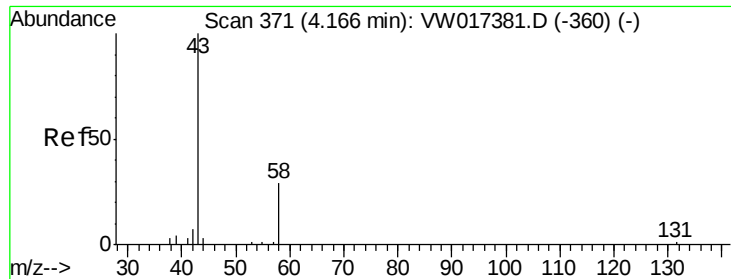


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 3.055 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.04 min

Lab File: VW017395.D

Acq: 20 Nov 2020 01:30

Instrument :

MSVOA\_W

ClientSampleID :

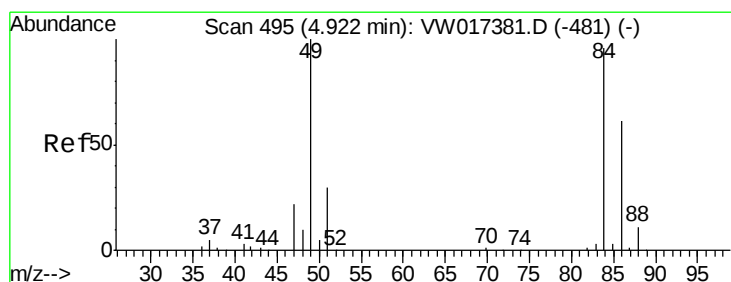
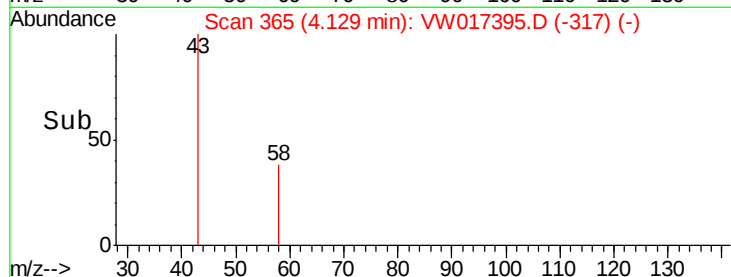
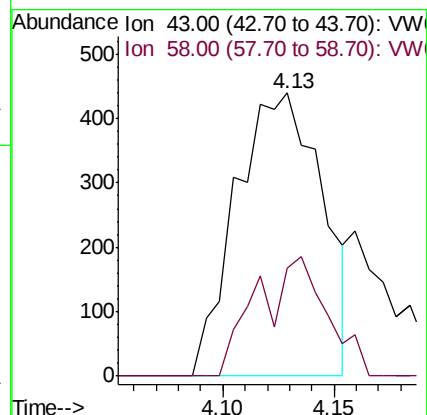
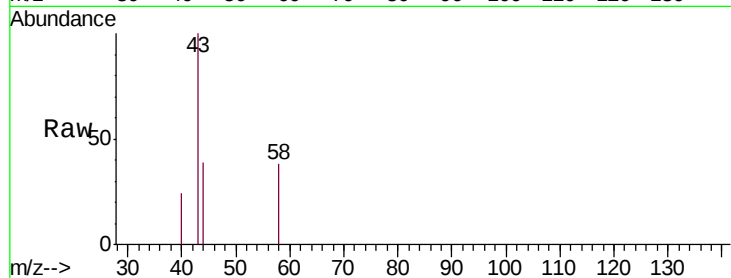
C0BD4

Tgt Ion: 43 Resp: 1185

Ion Ratio Lower Upper

43 100

58 21.4 0.0 67.0



#16

Methylene chloride

Concen: 4.954 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017395.D

Acq: 20 Nov 2020 01:30

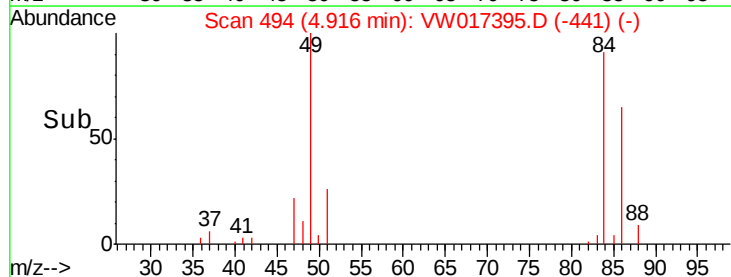
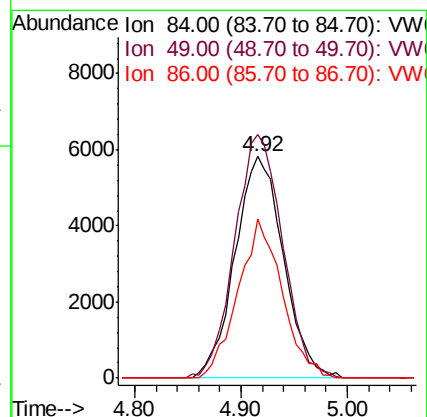
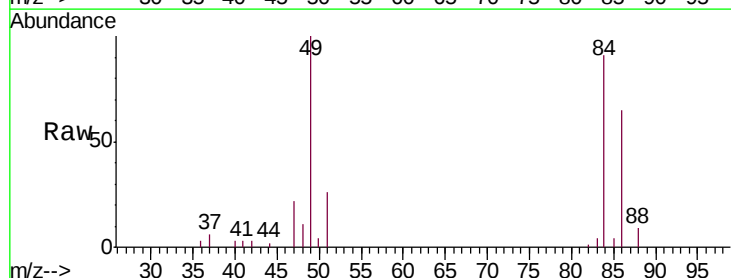
Tgt Ion: 84 Resp: 18532

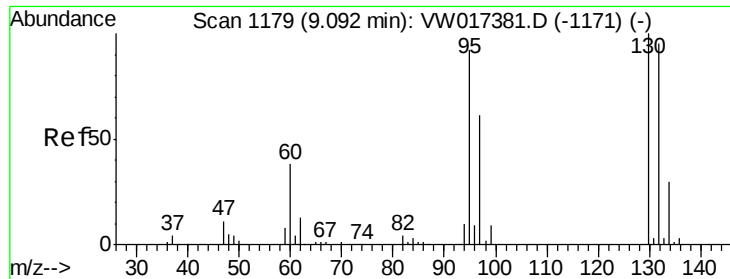
Ion Ratio Lower Upper

84 100

49 110.0 71.5 132.9

86 71.7 42.8 79.4





#35

Trichloroethene

Concen: 1.958 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017395.D

Acq: 20 Nov 2020 01:30

Instrument :

MSVOA\_W

ClientSampleId :

C0BD4

Tgt Ion: 95 Resp: 6352

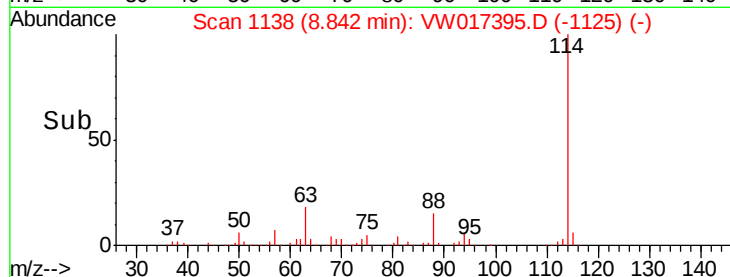
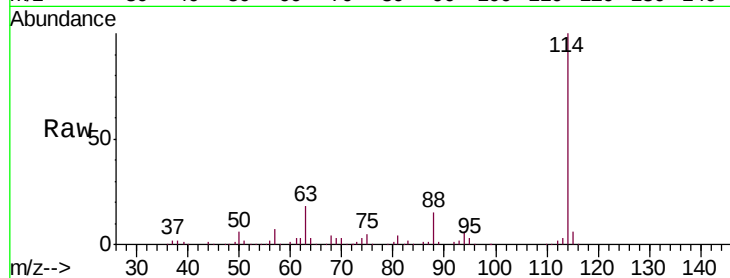
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#

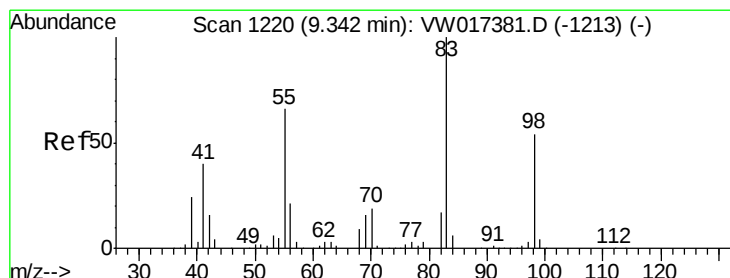
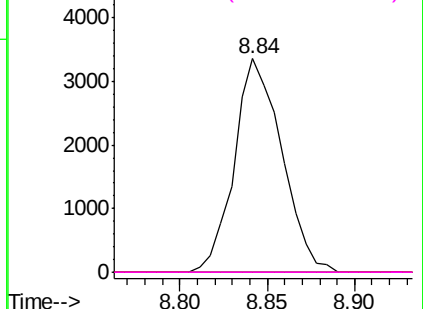


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 4.118 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.07 min

Lab File: VW017395.D

Acq: 20 Nov 2020 01:30

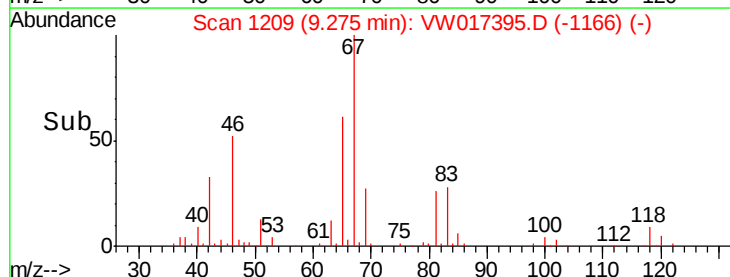
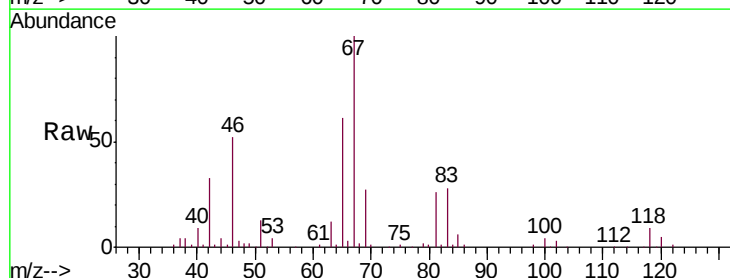
Tgt Ion: 83 Resp: 21341

Ion Ratio Lower Upper

83 100

55 0.2 54.6 81.8#

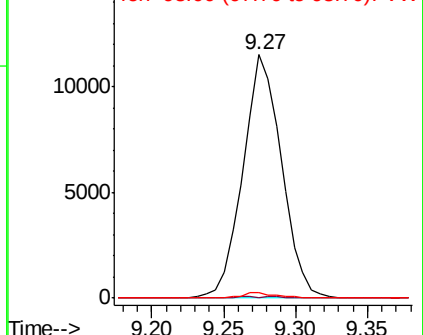
98 1.9 41.5 62.3#

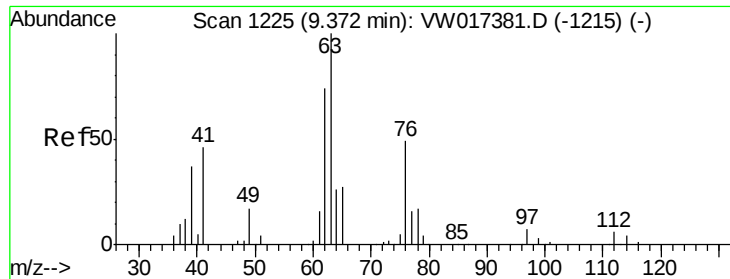


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.837 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017395.D

Acq: 20 Nov 2020 01:30

Instrument :

MSVOA\_W

ClientSampled :

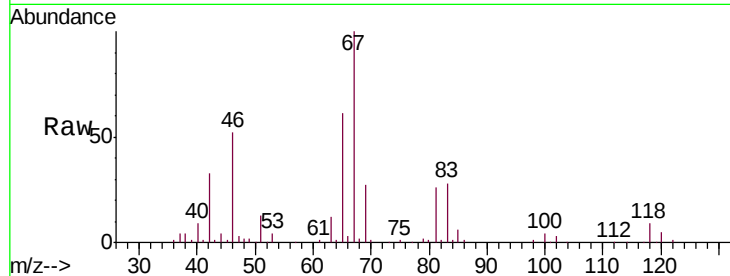
C0BD4

Tgt Ion: 63 Resp: 9951

Ion Ratio Lower Upper

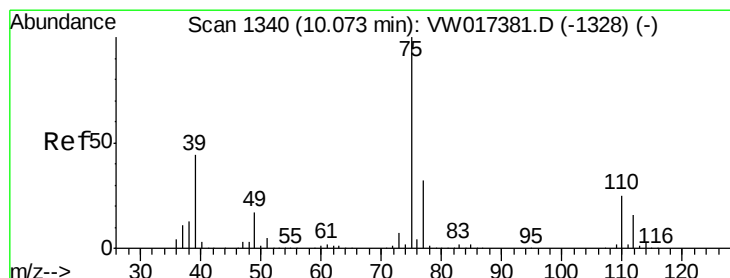
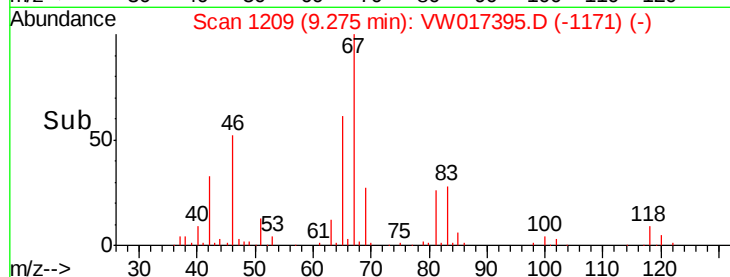
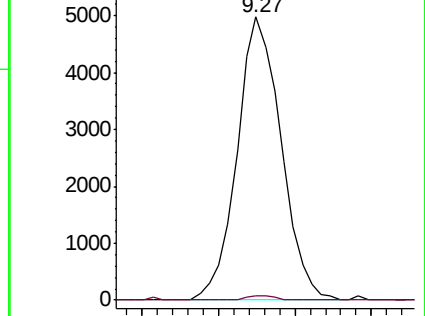
63 100

112 1.0 4.2 6.4#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.600 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017395.D

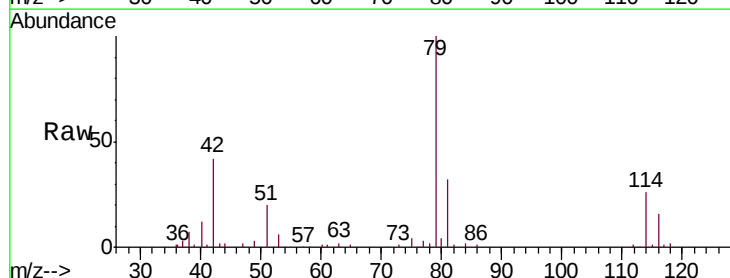
Acq: 20 Nov 2020 01:30

Tgt Ion: 75 Resp: 2417

Ion Ratio Lower Upper

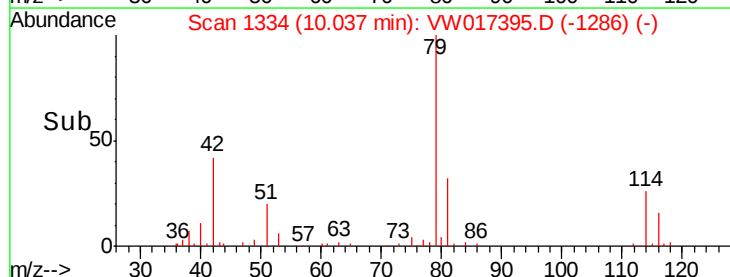
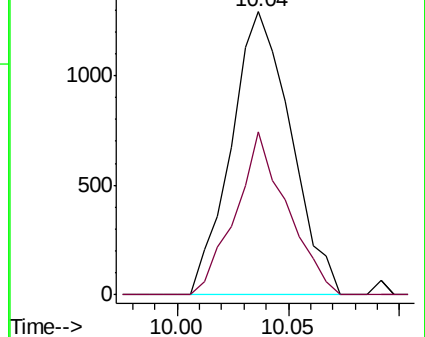
75 100

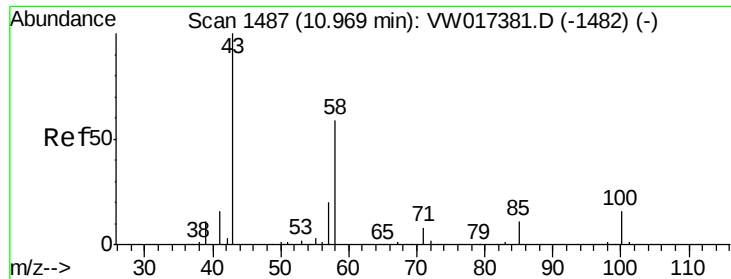
77 57.5 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#49

2-Hexanone

Concen: 3.104 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.05 min

Lab File: VW017395.D

Acq: 20 Nov 2020 01:30

Instrument :

MSVOA\_W

ClientSampleId :

C0BD4

Tgt Ion: 43 Resp: 2405

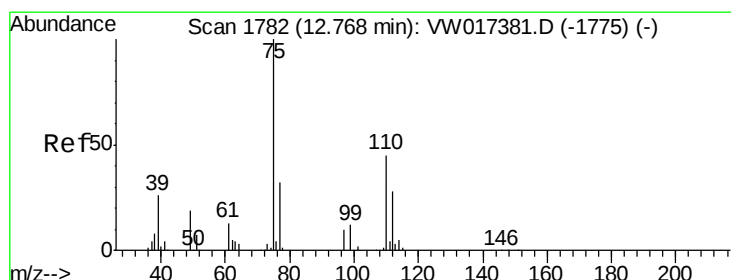
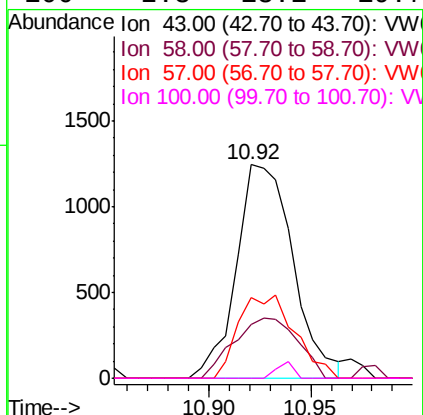
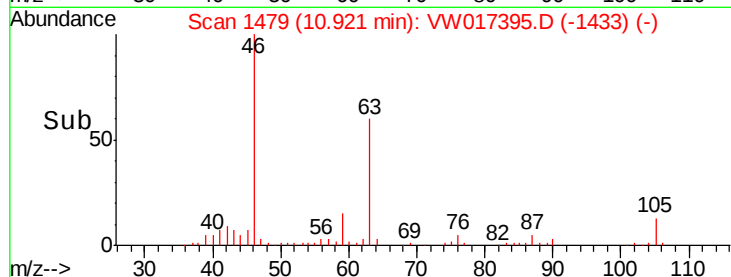
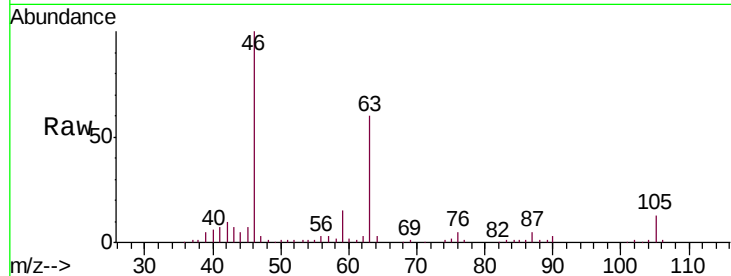
Ion Ratio Lower Upper

43 100

58 31.9 49.4 74.0#

57 38.5 17.0 25.4#

100 2.3 13.1 19.7#



#59

1,2,3-Trichloropropane

Concen: 5.429 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017395.D

Acq: 20 Nov 2020 01:30

Tgt Ion: 75 Resp: 8677

Ion Ratio Lower Upper

75 100

77 34.2 26.6 40.0

