

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\  
 Data File : VW017288.D  
 Acq On : 17 Nov 2020 15:57  
 Operator : SY/VA  
 Sample : L4711-21  
 Misc : 5.06G/10ML/MSVOA W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0B07

Quant Time: Nov 18 02:17:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 18 02:13:37 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 377005   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 296093   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 86439    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 100955   | 21.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.04%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 88982    | 24.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.28%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 145686   | 17.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.60%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 24876    | 23.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 46.86%  |
| 24) Chloroform-d               | 7.65   | 84    | 226180   | 25.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 102.80% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 112627   | 25.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.96% |
| 29) Benzene-d6                 | 8.28   | 84    | 411738   | 27.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 109.24% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 120134   | 28.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 115.20% |
| 37) Toluene-d8                 | 10.33  | 98    | 358883   | 25.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.96% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 34110    | 18.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 72.56%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 19542    | 26.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 53.70%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 80000    | 22.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.08%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 80105    | 26.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 105.20% |

## Target Compounds

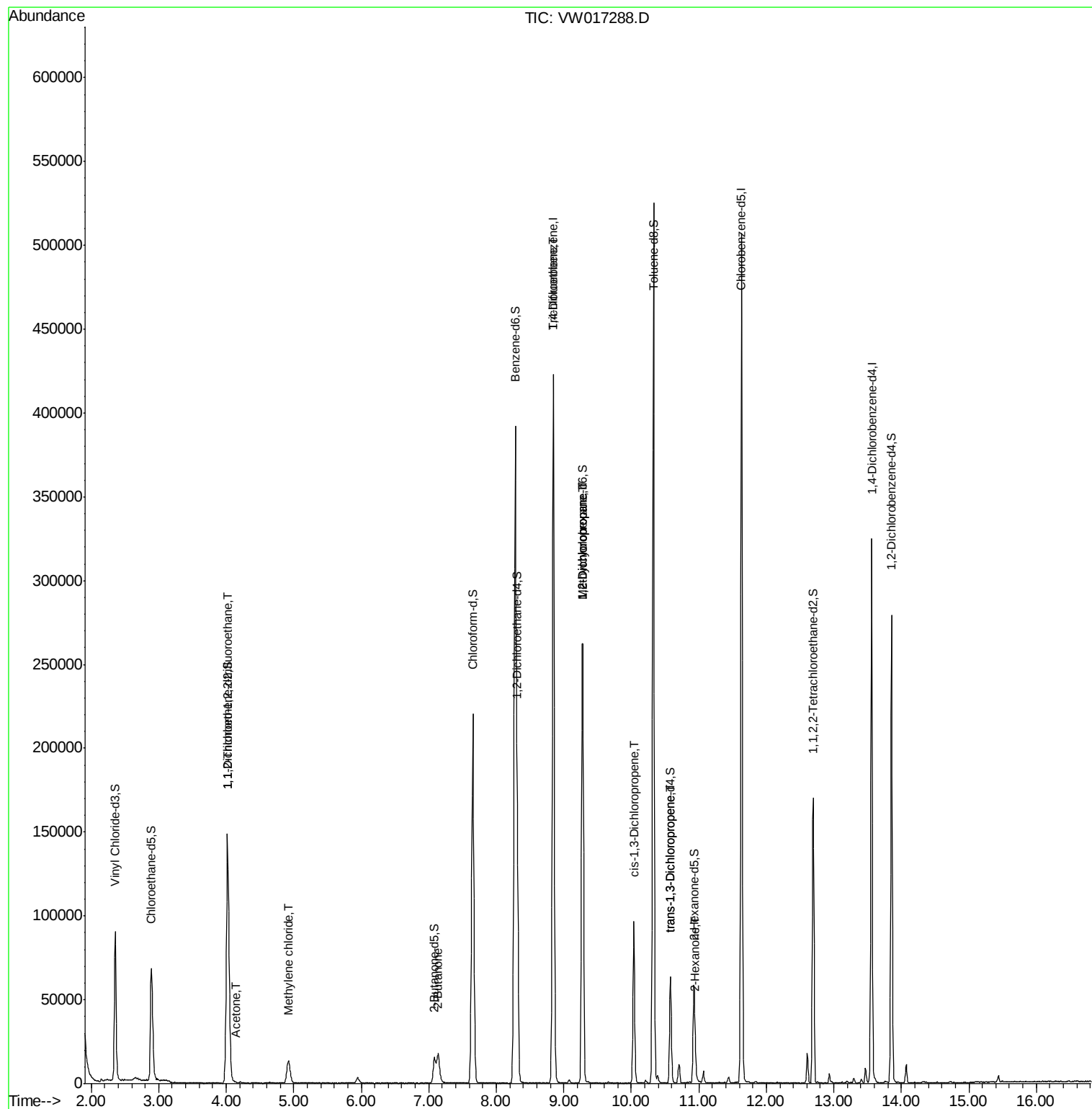
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.02  | 101  | 1552     | 0.319 | ug/L # | 17     |
| 13) Acetone                    | 4.15  | 43   | 799      | 1.124 | ug/L   | 57     |
| 16) Methylene chloride         | 4.92  | 84   | 12151    | 2.391 | ug/L   | 93     |
| 21) 2-Butanone                 | 7.13  | 43   | 7160     | 6.271 | ug/L # | 44     |
| 35) Trichloroethene            | 8.85  | 95   | 11113    | 2.552 | ug/L # | 2      |
| 36) Methylcyclohexane          | 9.27  | 83   | 31635    | 4.514 | ug/L # | 22     |
| 40) 1,2-Dichloropropane        | 9.28  | 63   | 14337    | 3.945 | ug/L # | 84     |
| 42) cis-1,3-Dichloropropene    | 10.04 | 75   | 2804     | 0.487 | ug/L # | 74     |
| 45) trans-1,3-Dichloropropene  | 10.58 | 75   | 1655     | 0.335 | ug/L # | 74     |
| 49) 2-Hexanone                 | 10.95 | 43   | 3630     | 2.685 | ug/L # | 34     |

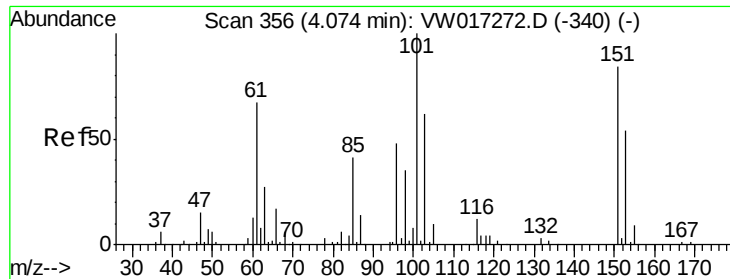
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW11720\  
Data File : VW017288.D  
Acq On : 17 Nov 2020 15:57  
Operator : SY/VA  
Sample : L4711-21  
Misc : 5.06G/10ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0B07

Quant Time: Nov 18 02:17:12 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Nov 18 02:13:37 2020  
Response via : Initial Calibration





#11

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

Concen: 0.319 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017288.D

Acq: 17 Nov 2020 15:57

Instrument :

MSVOA\_W

ClientSampled :

C0B07

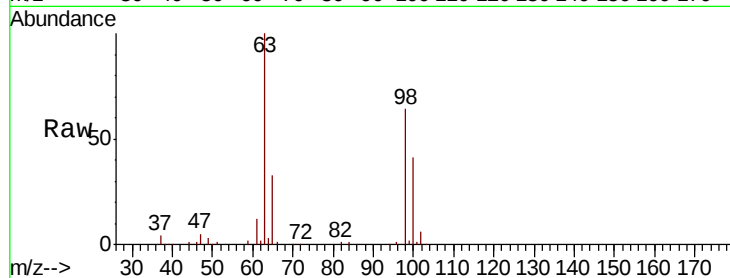
Tot Ion:101 Resp: 1552

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

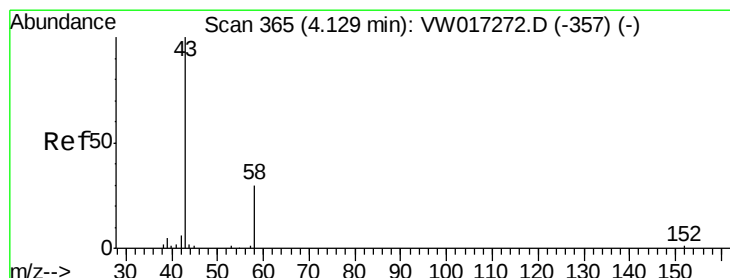
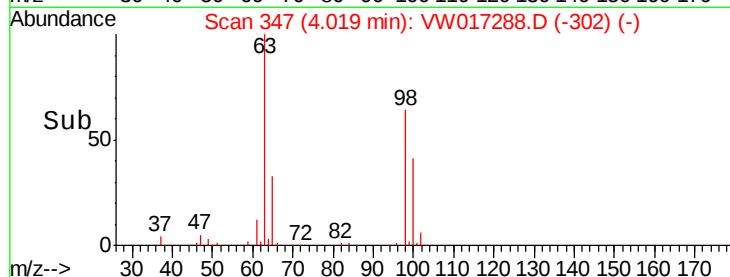
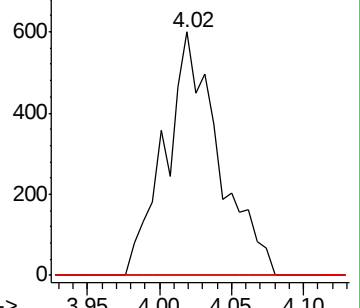
151 0.0 65.4 98.2#



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: 1.124 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW017288.D

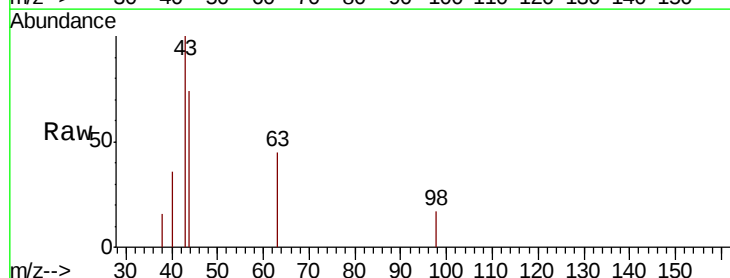
Acq: 17 Nov 2020 15:57

Tgt Ion: 43 Resp: 799

Ion Ratio Lower Upper

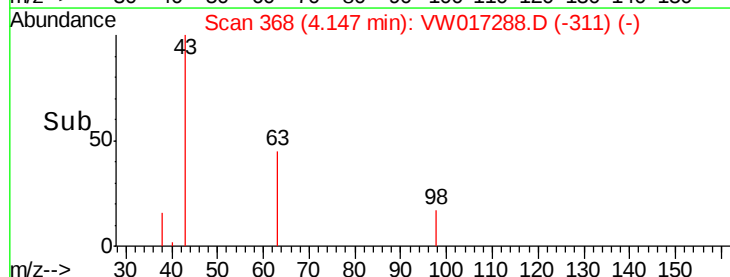
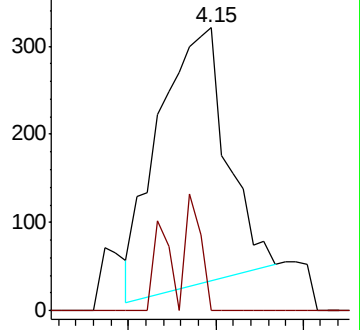
43 100

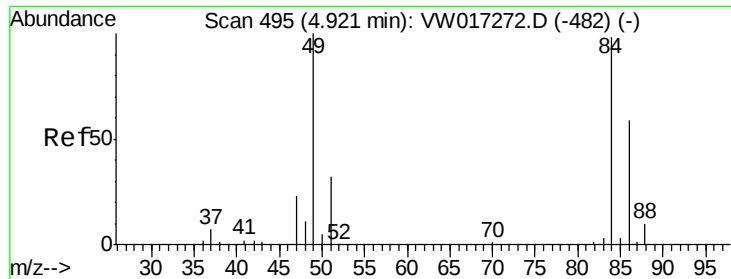
58 10.0 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

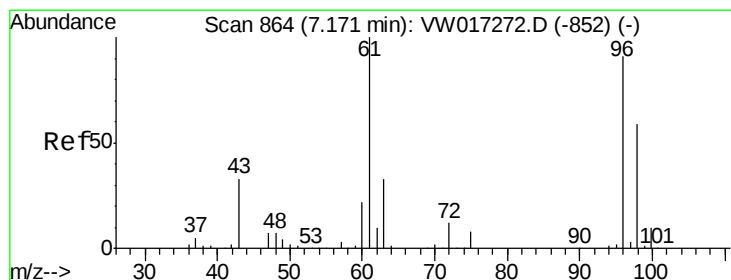
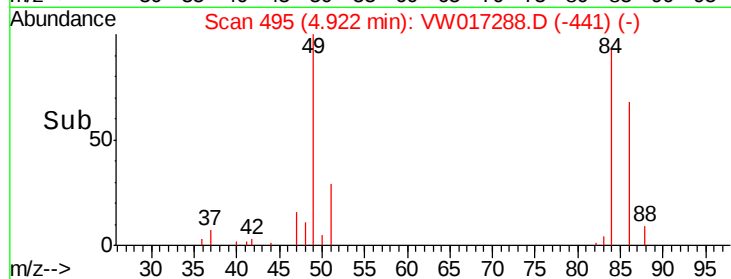
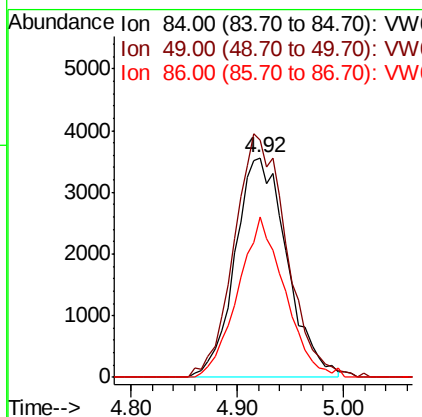
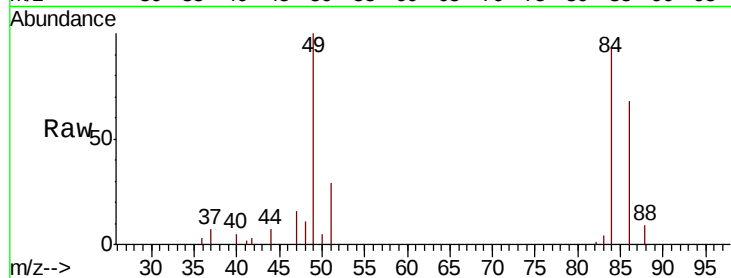




#16  
Methylene chloride  
Concen: 2.391 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. 0.00 min  
Lab File: VW017288.D  
Acq: 17 Nov 2020 15:57

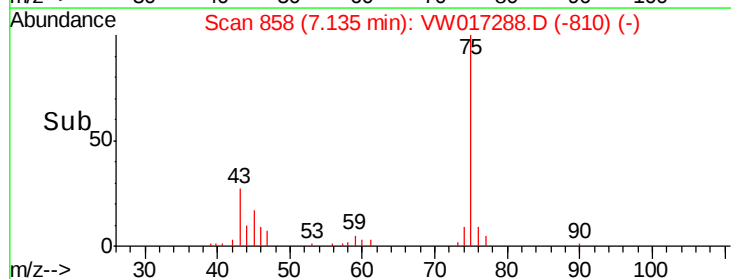
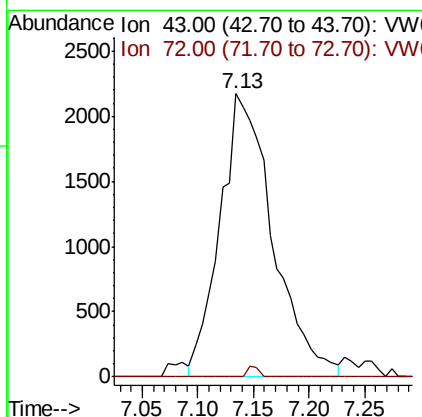
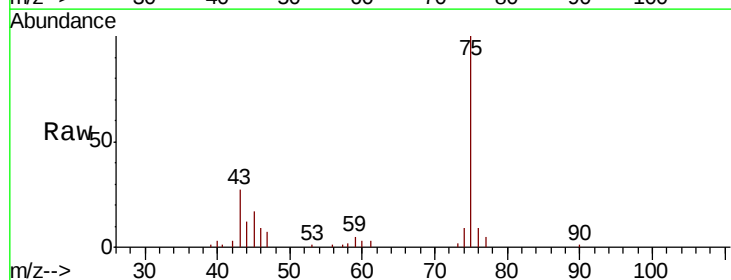
Instrument :  
MSVOA\_W  
ClientSampled :  
C0B07

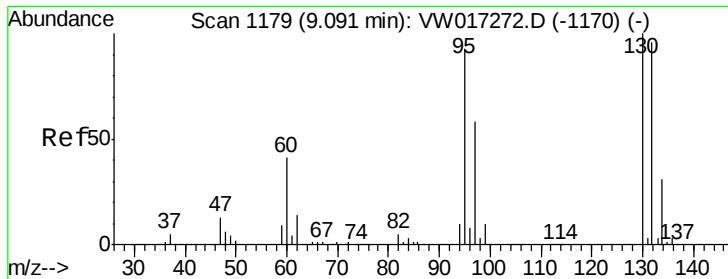
Tot Ion: 84 Resp: 12151  
Ion Ratio Lower Upper  
84 100  
49 107.8 72.3 134.3  
86 72.8 45.1 83.7



#21  
2-Butanone  
Concen: 6.271 ug/L  
RT: 7.13 min Scan# 858  
Delta R.T. -0.04 min  
Lab File: VW017288.D  
Acq: 17 Nov 2020 15:57

Tgt Ion: 43 Resp: 7160  
Ion Ratio Lower Upper  
43 100  
72 0.8 16.1 48.3#





#35

Trichloroethene

Concen: 2.552 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017288.D

Acq: 17 Nov 2020 15:57

Instrument :

MSVOA\_W

ClientSampleId :

C0B07

Tot Ion: 95 Resp: 11113

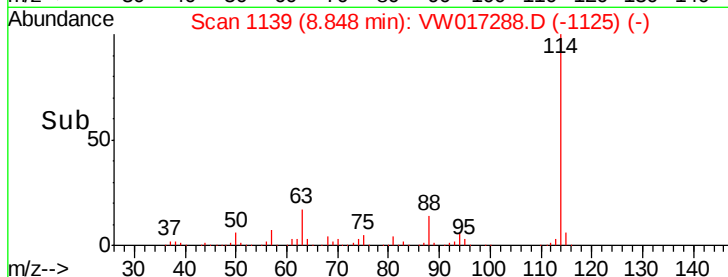
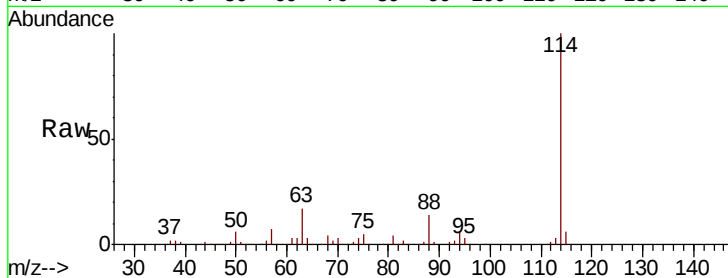
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.0 77.1 143.1#

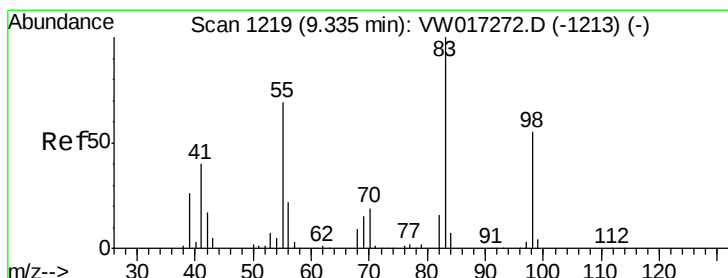
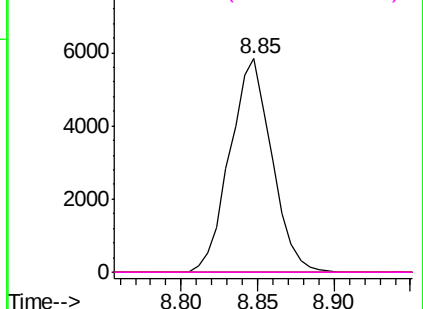


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#36

Methylcyclohexane

Concen: 4.514 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW017288.D

Acq: 17 Nov 2020 15:57

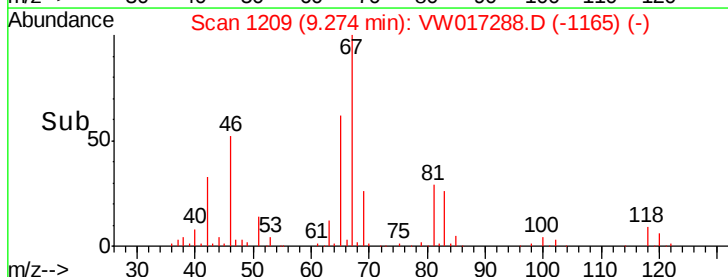
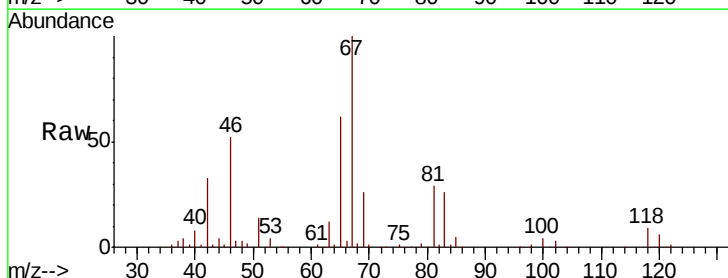
Tgt Ion: 83 Resp: 31635

Ion Ratio Lower Upper

83 100

55 0.8 54.4 81.6#

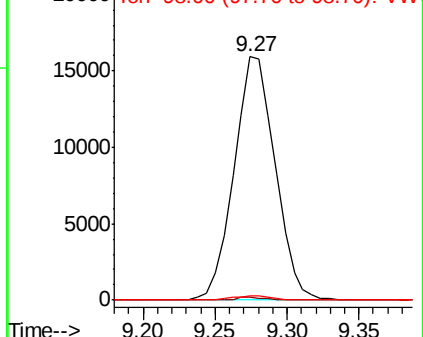
98 1.7 40.5 60.7#

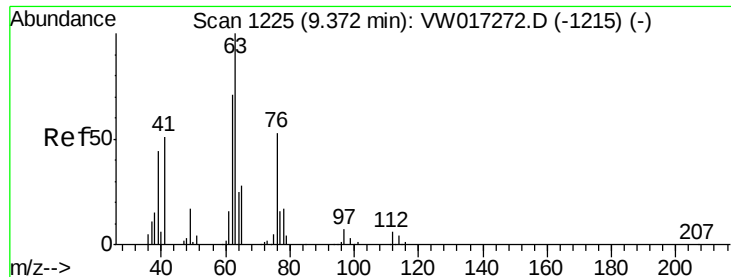


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.945 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017288.D

Acq: 17 Nov 2020 15:57

Instrument :

MSVOA\_W

ClientSampleId :

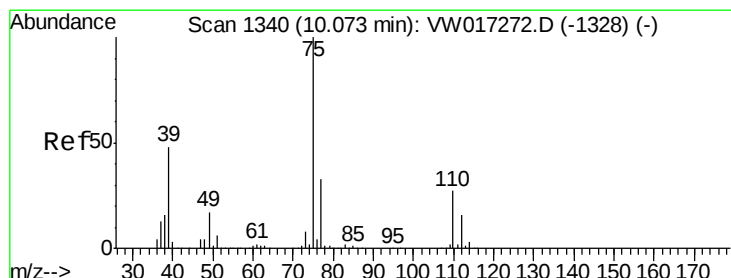
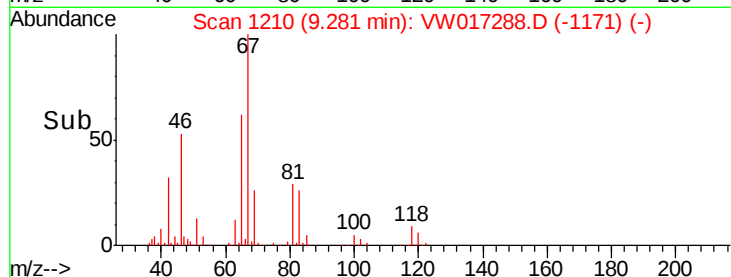
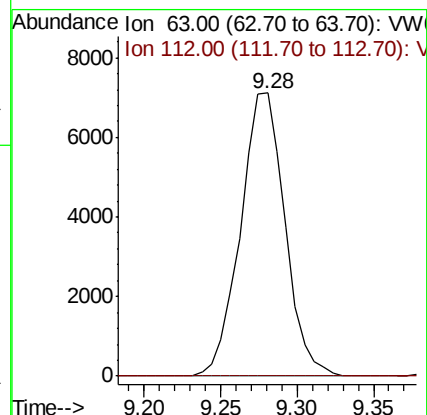
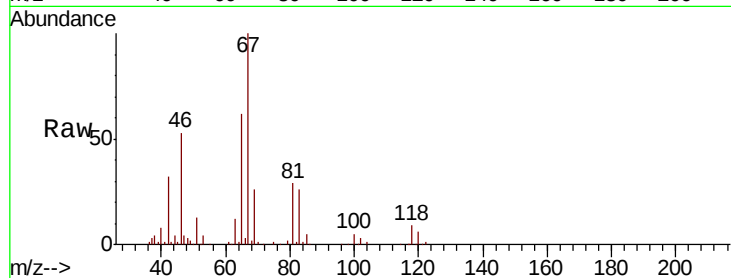
C0B07

Tot Ion: 63 Resp: 14337

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.2#



#42

cis-1,3-Dichloropropene

Concen: 0.487 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017288.D

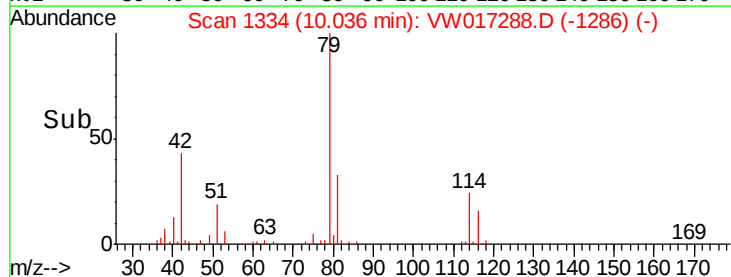
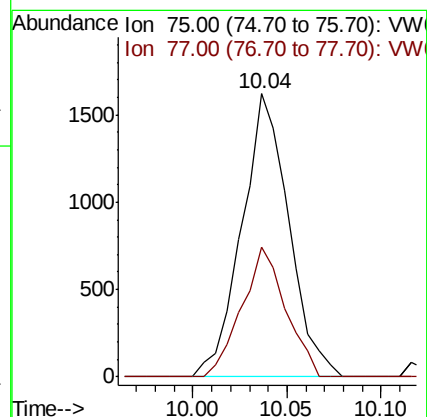
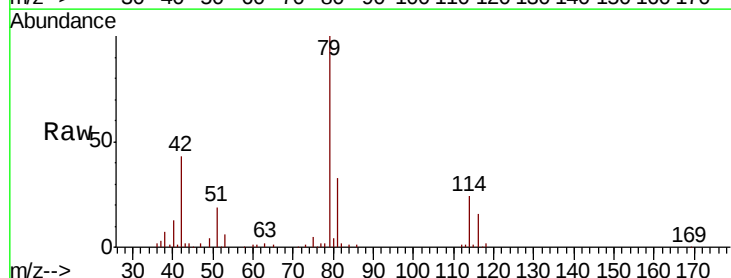
Acq: 17 Nov 2020 15:57

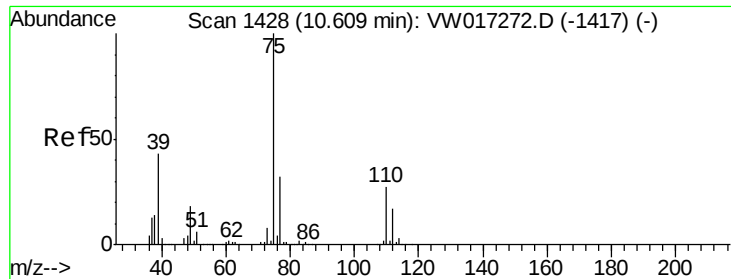
Tgt Ion: 75 Resp: 2804

Ion Ratio Lower Upper

75 100

77 45.7 22.0 41.0#





#45

trans-1,3-Dichloropropene

Concen: 0.335 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017288.D

Acq: 17 Nov 2020 15:57

Instrument :

MSVOA\_W

ClientSampled :

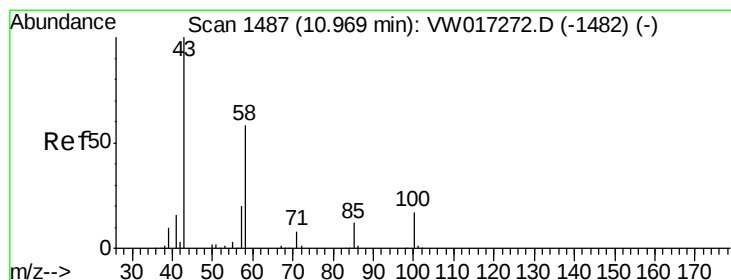
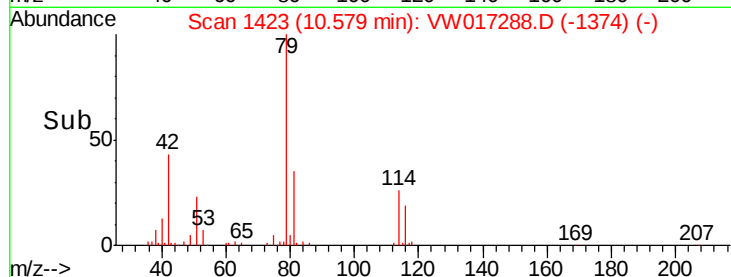
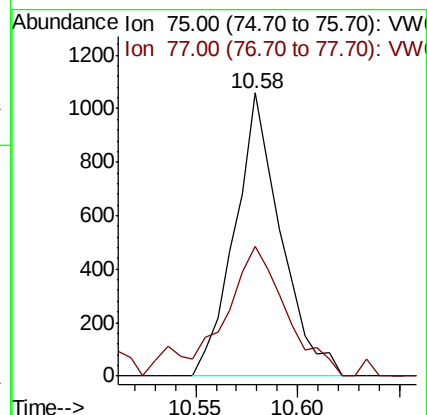
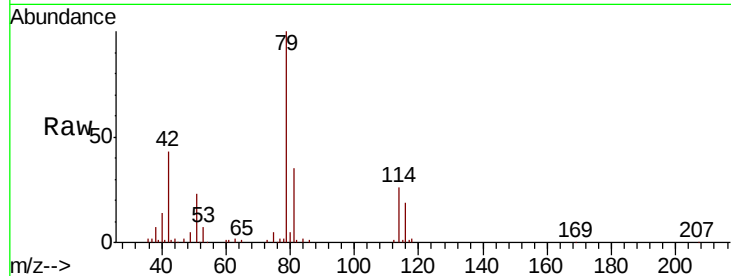
C0B07

Tot Ion: 75 Resp: 1655

Ion Ratio Lower Upper

75 100

77 45.7 22.1 41.1#



#49

2-Hexanone

Concen: 2.685 ug/L

RT: 10.95 min Scan# 1484

Delta R.T. -0.02 min

Lab File: VW017288.D

Acq: 17 Nov 2020 15:57

Tgt Ion: 43 Resp: 3630

Ion Ratio Lower Upper

43 100

58 0.0 50.6 75.8#

57 0.0 17.8 26.6#

100 1.8 13.9 20.9#

