

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\  
 Data File : VW017315.D  
 Acq On : 18 Nov 2020 03:27  
 Operator : SY/VA  
 Sample : L4738-21  
 Misc : 2.66G/10ML/MSVOA W/SOIL  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB0Y8

Quant Time: Nov 18 04:54:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 18 04:50:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 225624   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 94583    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 13550    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 90880    | 31.98    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 127.92%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 81883    | 37.39    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 149.56%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 112657   | 22.16    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 88.64%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 41275    | 64.95    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 129.90%  |
| 24) Chloroform-d               | 7.65   | 84    | 169879   | 32.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 129.00%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 75896    | 28.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 115.92%  |
| 29) Benzene-d6                 | 8.27   | 84    | 292180   | 60.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 242.64%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 80047    | 60.08    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 240.32%# |
| 37) Toluene-d8                 | 10.33  | 98    | 180514   | 39.75    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 159.00%# |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 17349    | 28.88    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 115.52%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 16981    | 73.04    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 146.08%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 27796    | 23.95    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 95.80%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 10732    | 22.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.92%   |

## Target Compounds

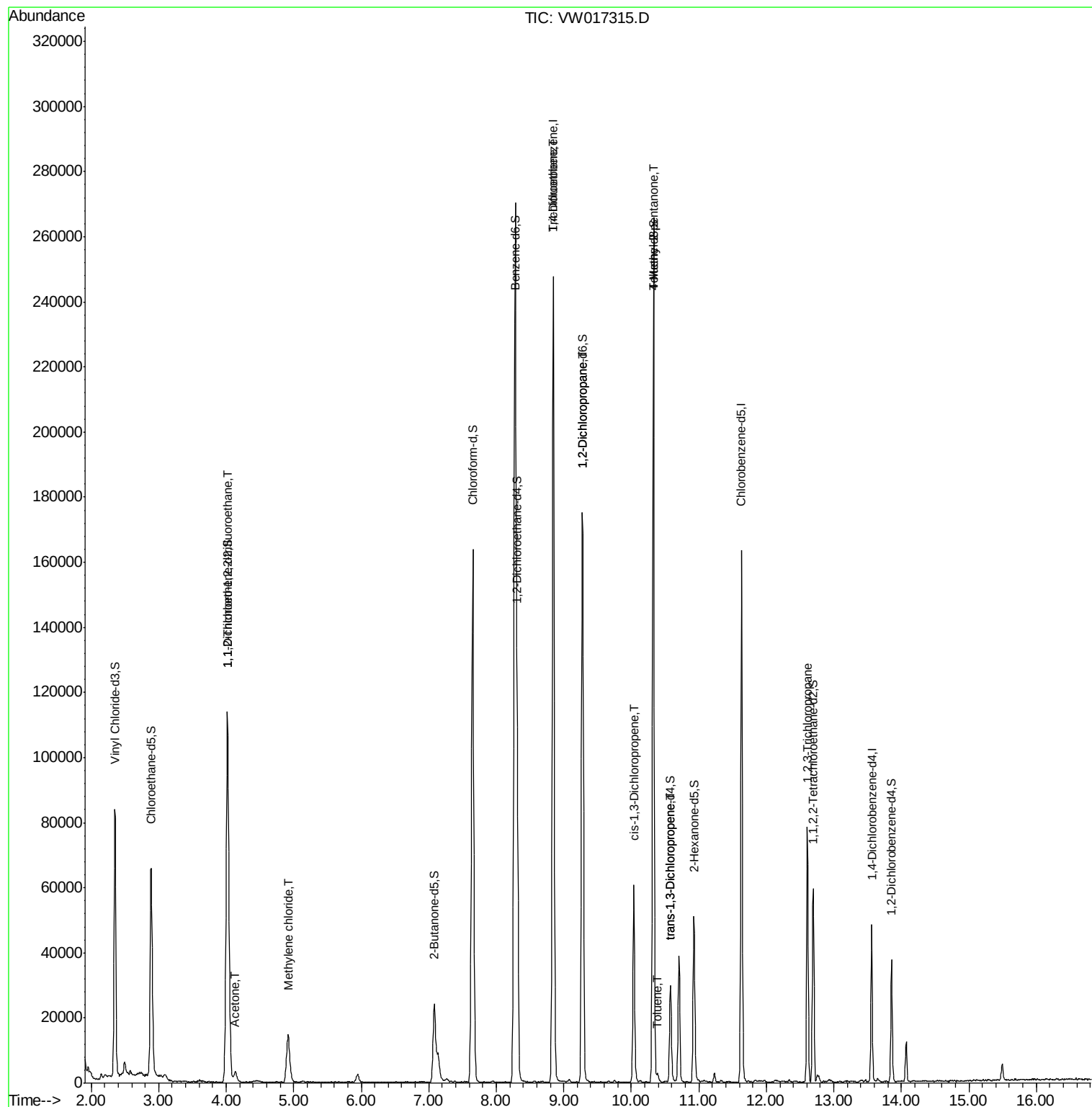
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.02  | 101  | 1131     | 0.388  | ug/L # | 17     |
| 13) Acetone                    | 4.14  | 43   | 6088     | 14.307 | ug/L   | 64     |
| 16) Methylene chloride         | 4.91  | 84   | 6414     | 2.109  | ug/L   | 92     |
| 35) Trichloroethene            | 8.84  | 95   | 6442     | 4.630  | ug/L # | 2      |
| 40) 1,2-Dichloropropane        | 9.27  | 63   | 9484     | 8.169  | ug/L # | 86     |
| 42) cis-1,3-Dichloropropene    | 10.04 | 75   | 1816     | 0.988  | ug/L # | 63     |
| 43) 4-Methyl-2-pentanone       | 10.33 | 43   | 819      | 1.143  | ug/L # | 1      |
| 44) Toluene                    | 10.39 | 91   | 1960     | 0.359  | ug/L   | 95     |
| 45) trans-1,3-Dichloropropene  | 10.58 | 75   | 845      | 0.535  | ug/L # | 35     |
| 59) 1,2,3-Trichloropropane     | 12.60 | 75   | 509      | 0.612  | ug/L # | 51     |

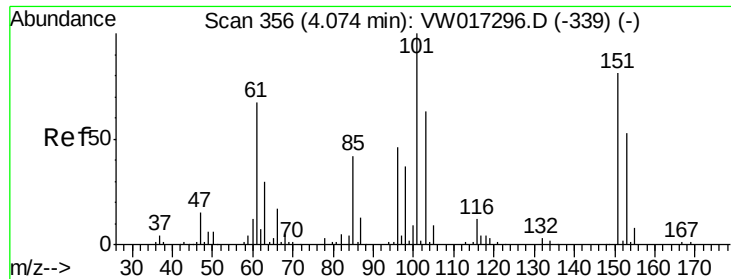
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW11720\  
Data File : VW017315.D  
Acq On : 18 Nov 2020 03:27  
Operator : SY/VA  
Sample : L4738-21  
Misc : 2.66G/10ML/MSVOA W/SOIL  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB0Y8

Quant Time: Nov 18 04:54:01 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Nov 18 04:50:20 2020  
Response via : Initial Calibration





#11

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

Concen: 0.388 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.06 min

Lab File: VW017315.D

Acq: 18 Nov 2020 03:27

Instrument :

MSVOA\_W

ClientSampled :

GB0Y8

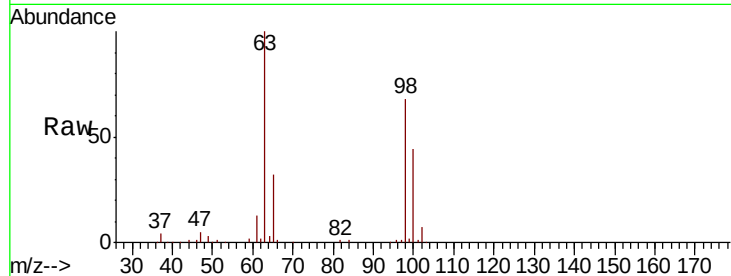
Tot Ion:101 Resp: 1131

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

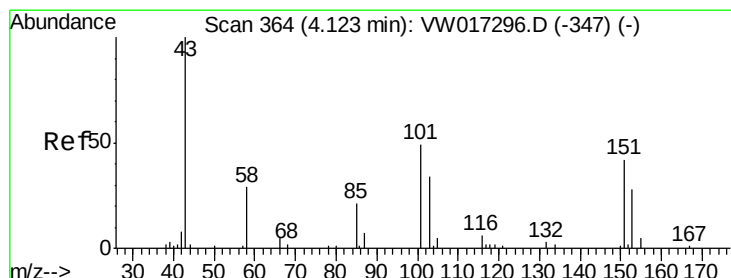
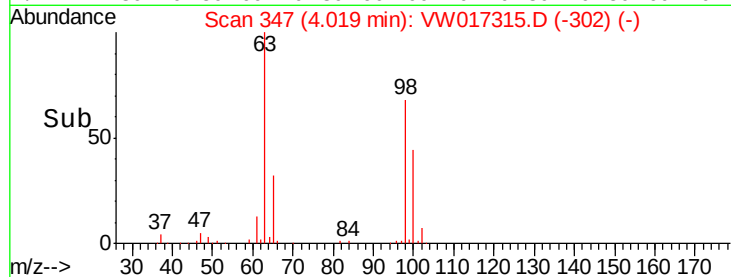
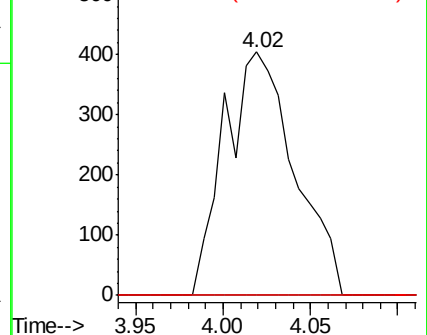
151 0.0 65.4 98.2#



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: 14.307 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW017315.D

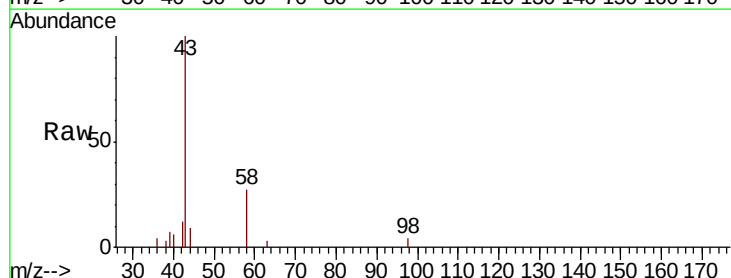
Acq: 18 Nov 2020 03:27

Tgt Ion: 43 Resp: 6088

Ion Ratio Lower Upper

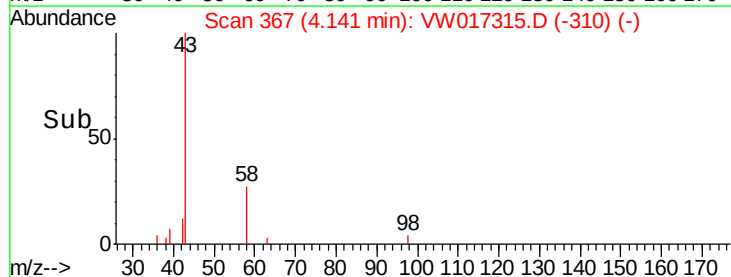
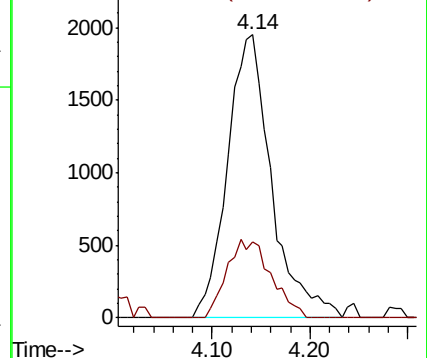
43 100

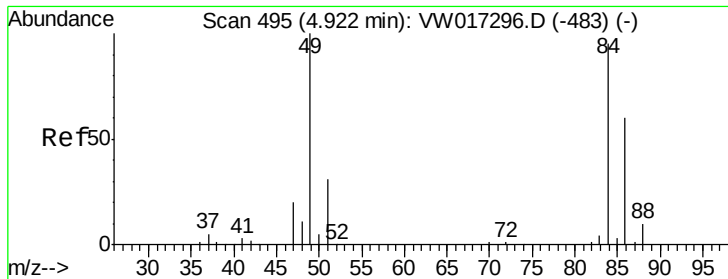
58 13.6 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

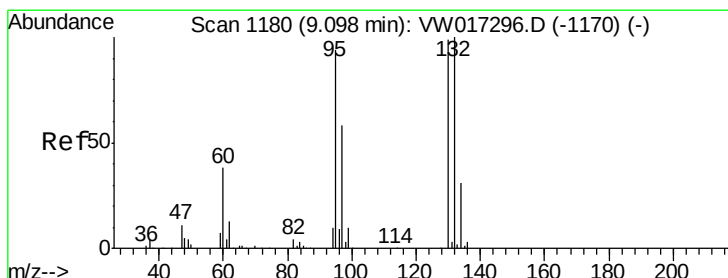
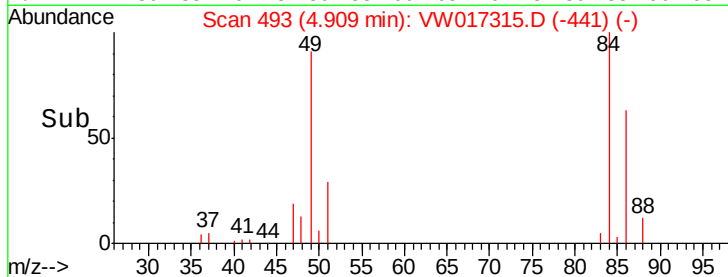
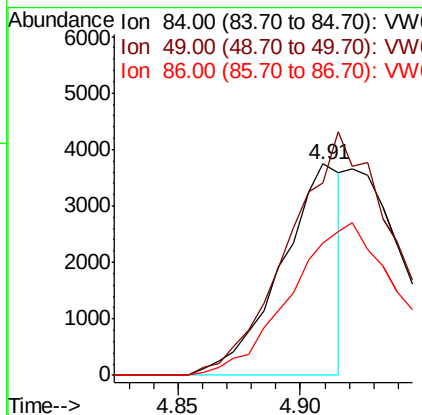
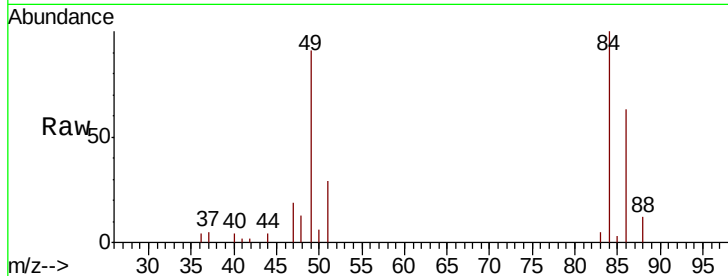




#16  
Methylene chloride  
Concen: 2.109 ug/L  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW017315.D  
Acq: 18 Nov 2020 03:27

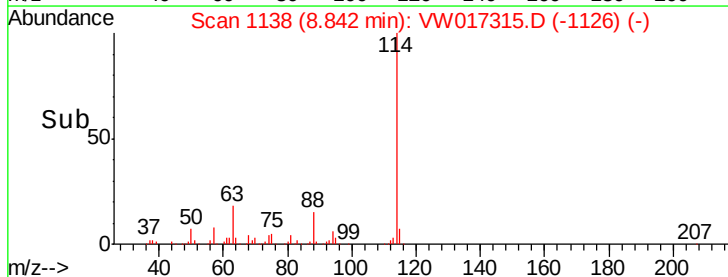
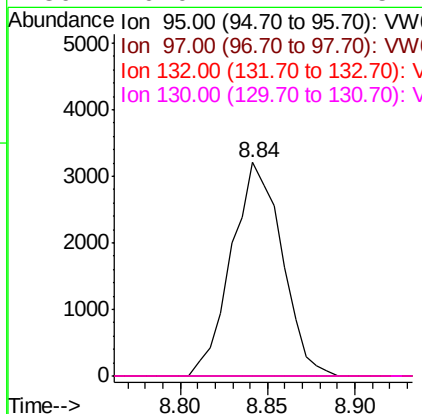
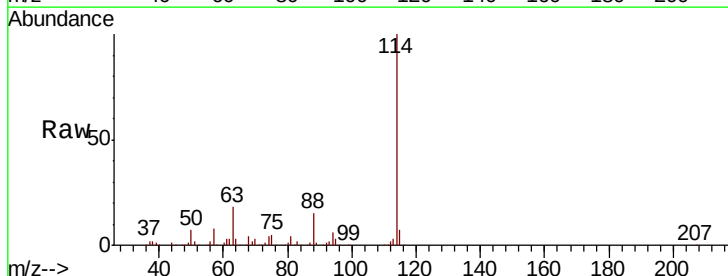
Instrument :  
MSVOA\_W  
ClientSampleId :  
GB0Y8

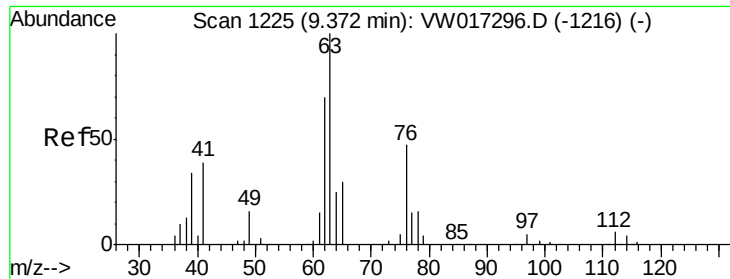
Tot Ion: 84 Resp: 6414  
Ion Ratio Lower Upper  
84 100  
49 91.2 72.3 134.3  
86 62.9 45.1 83.7



#35  
Trichloroethene  
Concen: 4.630 ug/L  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.26 min  
Lab File: VW017315.D  
Acq: 18 Nov 2020 03:27

Tgt Ion: 95 Resp: 6442  
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#





#40

1,2-Dichloropropane

Concen: 8.169 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017315.D

Acq: 18 Nov 2020 03:27

Instrument :

MSVOA\_W

ClientSampled :

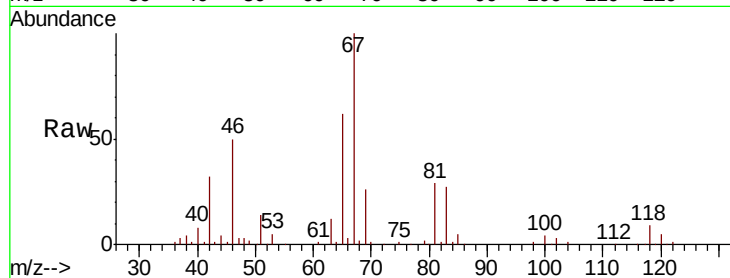
GB0Y8

Tot Ion: 63 Resp: 9484

Ion Ratio Lower Upper

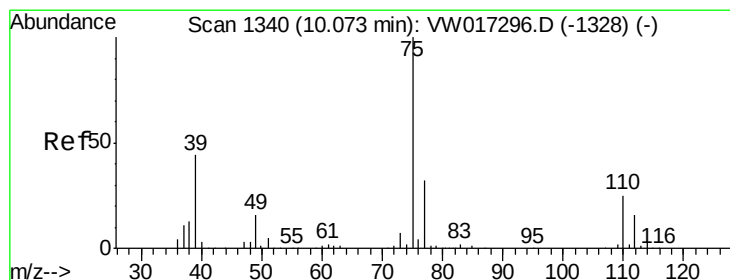
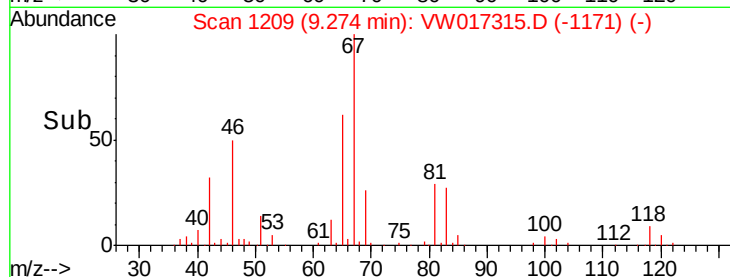
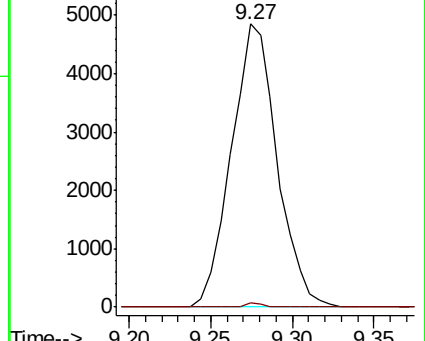
63 100

112 0.5 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.988 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017315.D

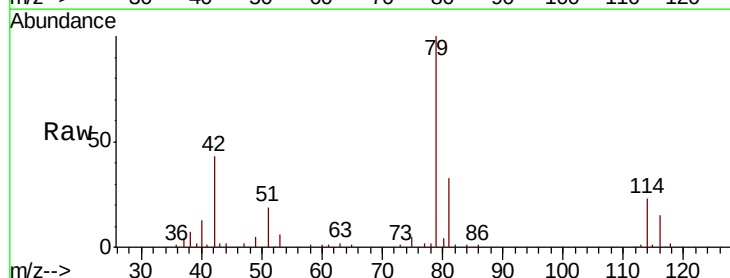
Acq: 18 Nov 2020 03:27

Tgt Ion: 75 Resp: 1816

Ion Ratio Lower Upper

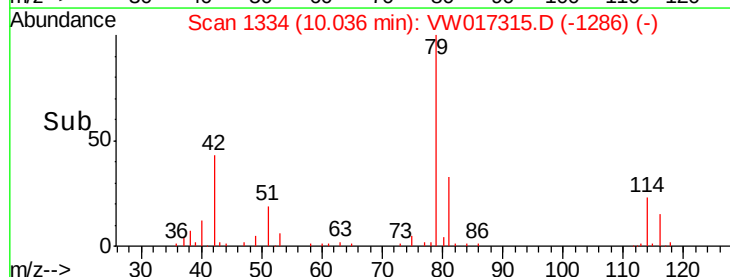
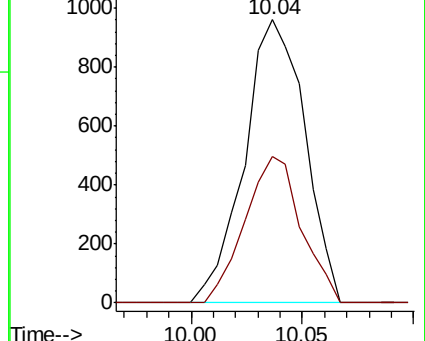
75 100

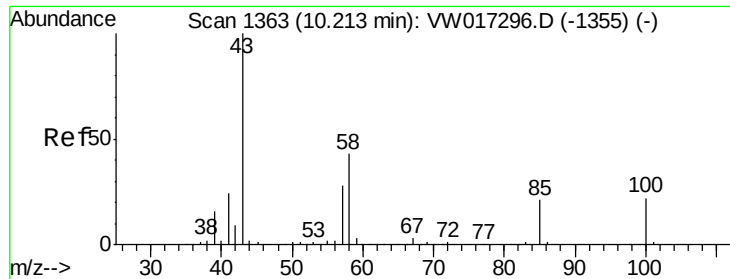
77 51.8 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#43

4-Methyl-2-pentanone

Concen: 1.143 ug/L

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW017315.D

Acq: 18 Nov 2020 03:27

Instrument :

MSVOA\_W

ClientSampleID :

GB0Y8

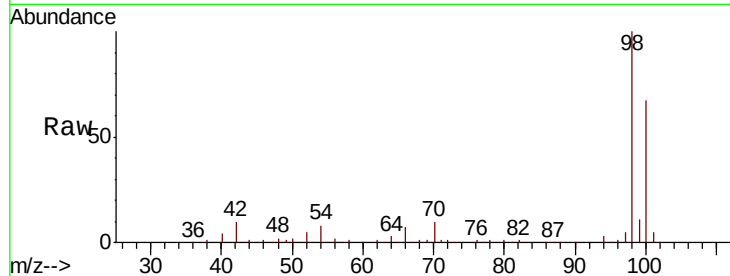
Tot Ion: 43 Resp: 819

Ion Ratio Lower Upper

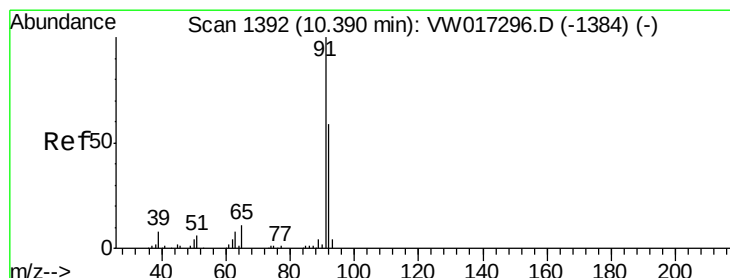
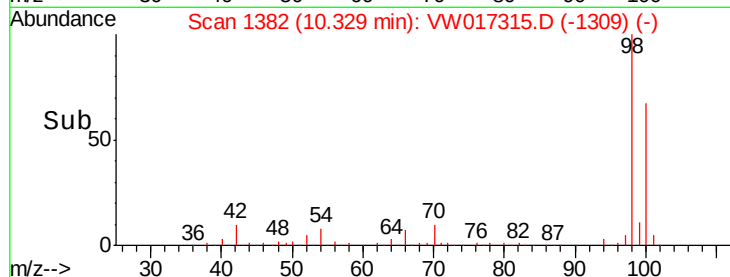
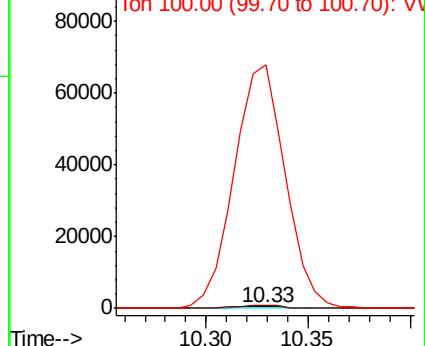
43 100

58 172.9 35.0 52.6#

100 14539.1 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 58.00 (57.70 to 58.70): VW  
Ion 100.00 (99.70 to 100.70): VW



#44

Toluene

Concen: 0.359 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017315.D

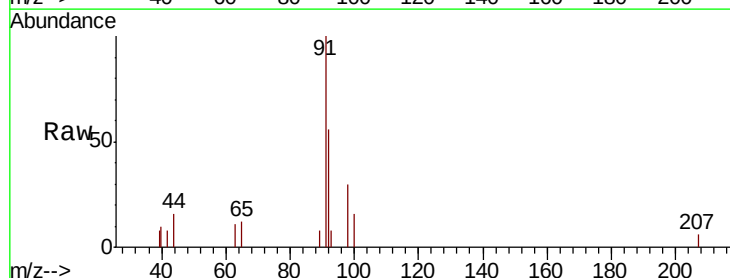
Acq: 18 Nov 2020 03:27

Tgt Ion: 91 Resp: 1960

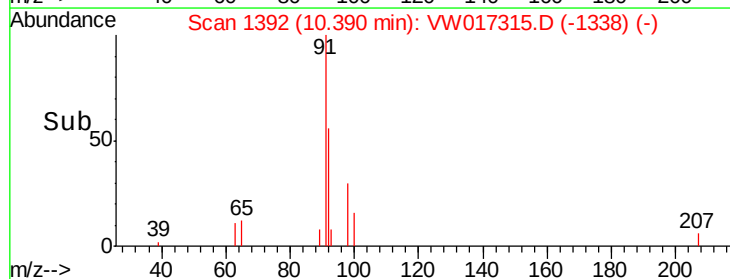
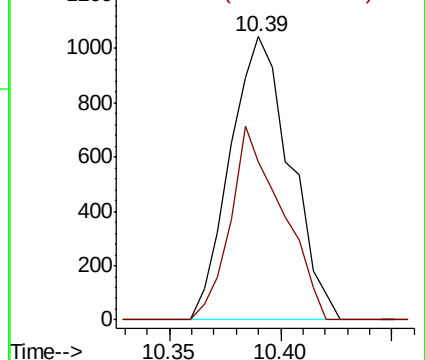
Ion Ratio Lower Upper

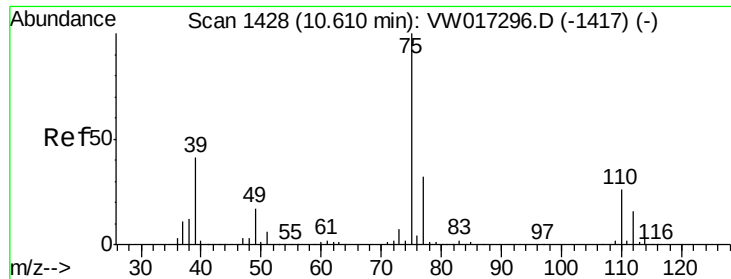
91 100

92 55.7 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW  
Ion 92.00 (91.70 to 92.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.535 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017315.D

Acq: 18 Nov 2020 03:27

Instrument :

MSVOA\_W

ClientSampled :

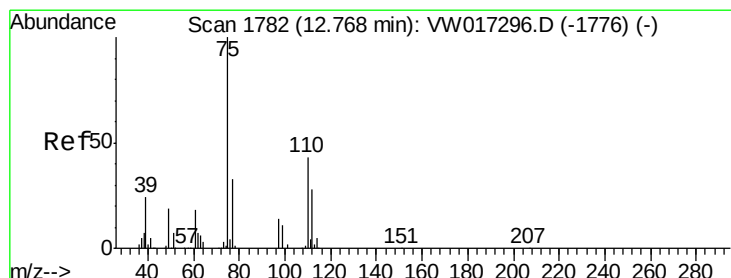
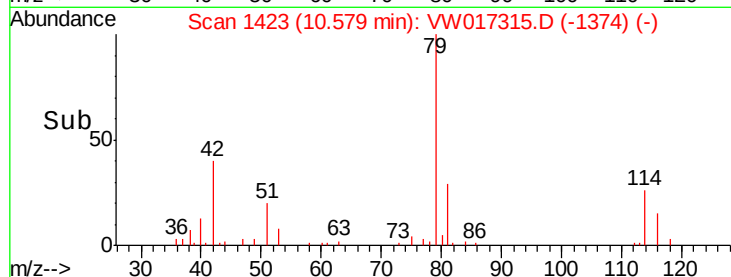
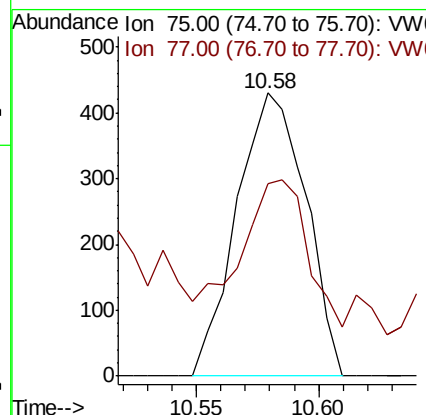
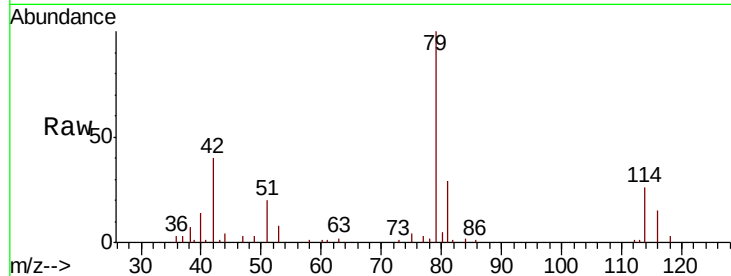
GB0Y8

Tot Ion: 75 Resp: 845

Ion Ratio Lower Upper

75 100

77 67.9 22.1 41.1#



#59

1,2,3-Trichloropropane

Concen: 0.612 ug/L

RT: 12.60 min Scan# 1755

Delta R.T. -0.16 min

Lab File: VW017315.D

Acq: 18 Nov 2020 03:27

Tgt Ion: 75 Resp: 509

Ion Ratio Lower Upper

75 100

77 5.3 26.4 39.6#

