

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW102418\  
 Data File : VW006319.D  
 Acq On : 24 Oct 2018 15:09  
 Operator : SY/AP  
 Sample : J5635-12  
 Misc : 5.09G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A40J5

Quant Time: Oct 25 07:36:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100918S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 25 07:32:16 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 283259   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 219775   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 75121    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 68426    | 21.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.68%   |
| 7) Chloroethane-d5             | 2.90   | 69    | 68750    | 25.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.00%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 106496   | 17.36    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 69.44%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 39368    | 37.18    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 74.36%   |
| 24) Chloroform-d               | 7.65   | 84    | 160291   | 26.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 104.48%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 94983    | 27.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 111.92%  |
| 29) Benzene-d6                 | 8.28   | 84    | 310988   | 31.17    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 124.68%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 93569    | 31.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 124.28%# |
| 37) Toluene-d8                 | 10.33  | 98    | 272515   | 27.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 109.24%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 27870    | 19.04    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.16%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 26372    | 36.24    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 72.48%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 79150    | 27.03    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 108.12%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 66078    | 25.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.64%  |

## Target Compounds

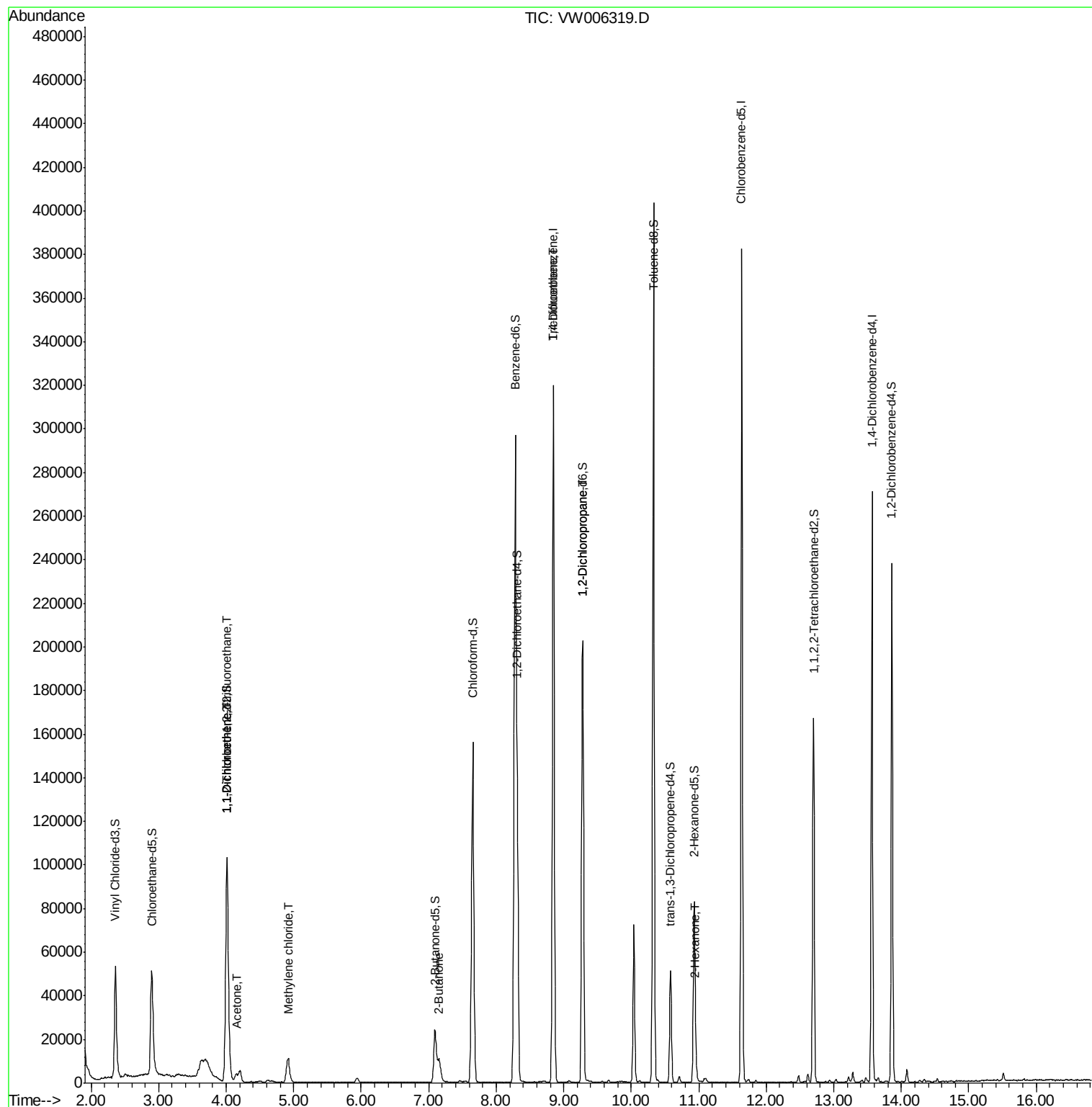
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.01  | 101  | 1026     | 0.303 | ug/L # | 15     |
| 12) 1,1-Dichloroethene         | 4.01  | 96   | 975      | 0.300 | ug/L # | 1      |
| 13) Acetone                    | 4.15  | 43   | 5678     | 5.308 | ug/L   | 89     |
| 16) Methylene chloride         | 4.92  | 84   | 9693     | 2.650 | ug/L   | 91     |
| 21) 2-Butanone                 | 7.15  | 43   | 3150     | 2.216 | ug/L # | 53     |
| 35) Trichloroethene            | 8.85  | 95   | 7909     | 2.492 | ug/L # | 2      |
| 40) 1,2-Dichloropropane        | 9.28  | 63   | 10846    | 3.875 | ug/L # | 87     |
| 49) 2-Hexanone                 | 10.96 | 43   | 4562     | 2.760 | ug/L # | 41     |

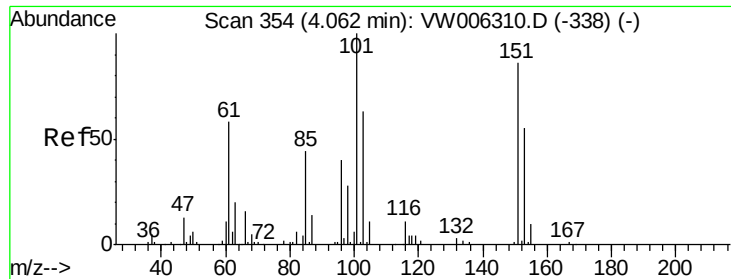
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J5635-12  
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Instrument :  
MSVOA\_W  
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Quant Time: Oct 25 07:36:53 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100918S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 25 07:32:16 2018  
Response via : Initial Calibration





#11

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

Concen: 0.303 ug/L

RT: 4.01 min Scan# 345

Delta R.T. -0.06 min

Lab File: VW006319.D

Acq: 24 Oct 2018 15:09

Instrument :

MSVOA\_W

ClientSampleId :

A40J5

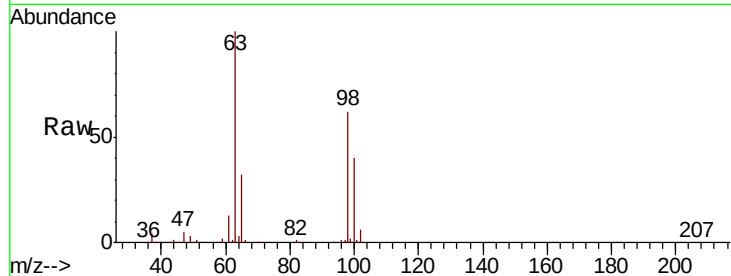
Tgt Ion:101 Resp: 1026

Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.2#

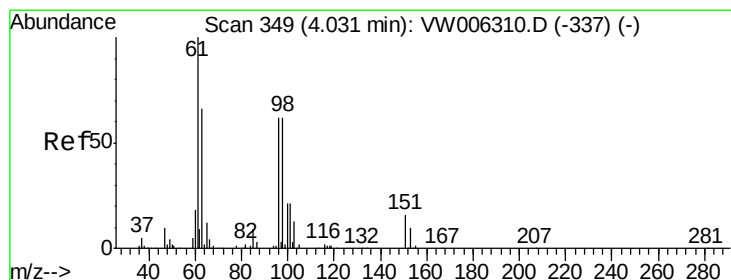
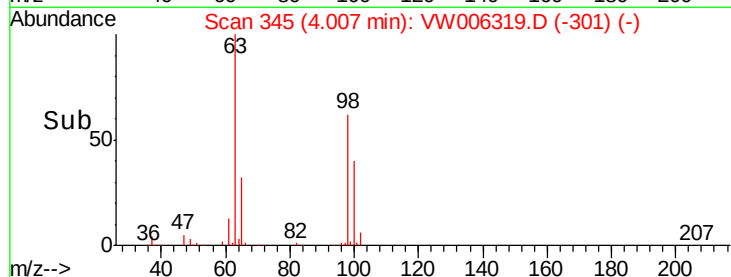
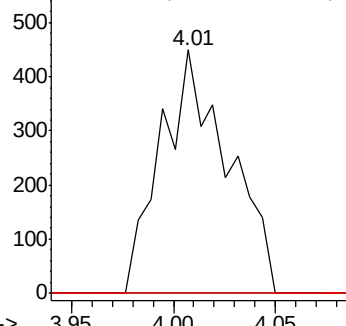
151 0.0 68.7 103.1#



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: 0.300 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.02 min

Lab File: VW006319.D

Acq: 24 Oct 2018 15:09

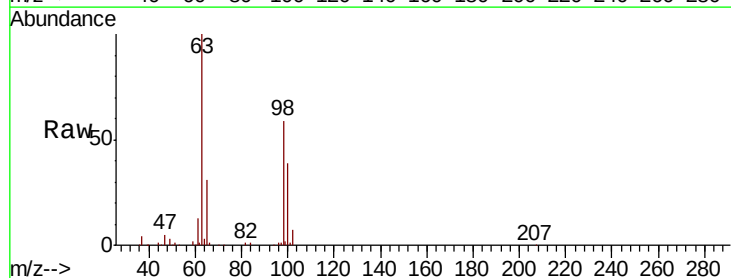
Tgt Ion: 96 Resp: 975

Ion Ratio Lower Upper

96 100

61 1340.6 112.3 208.7#

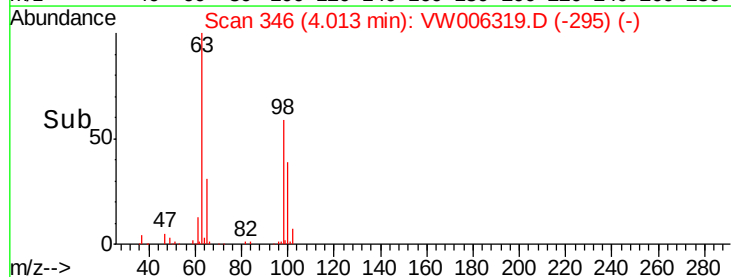
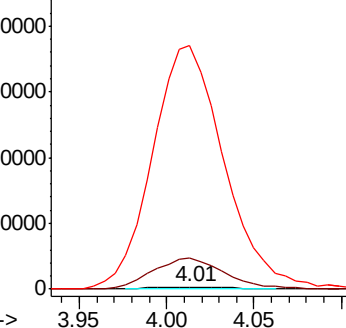
63 10431.5 102.6 190.6#

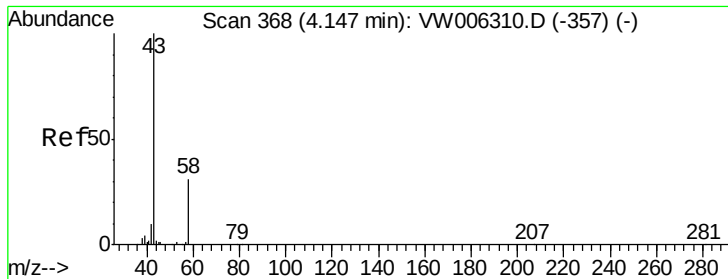


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.308 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW006319.D

Acq: 24 Oct 2018 15:09

Instrument :

MSVOA\_W

ClientSampled :

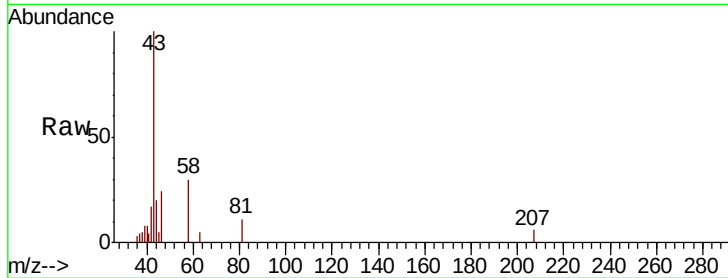
A40J5

Tgt Ion: 43 Resp: 5678

Ion Ratio Lower Upper

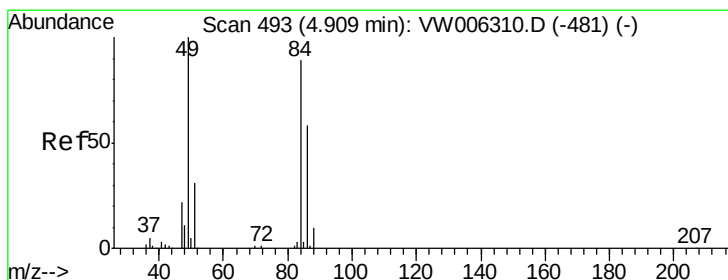
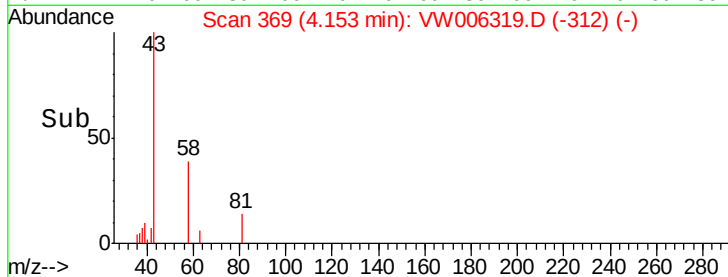
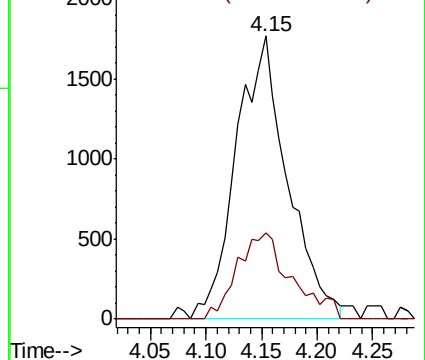
43 100

58 24.7 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.650 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW006319.D

Acq: 24 Oct 2018 15:09

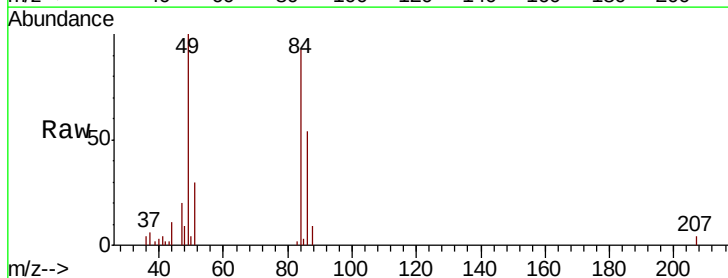
Tgt Ion: 84 Resp: 9693

Ion Ratio Lower Upper

84 100

49 107.7 83.5 155.1

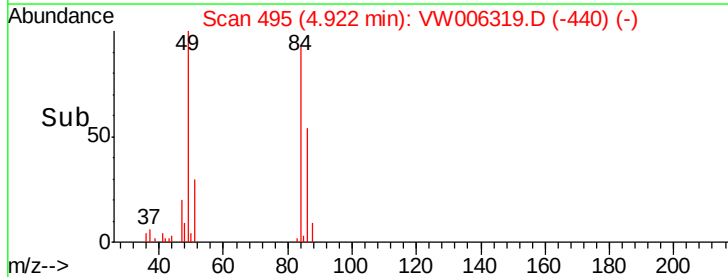
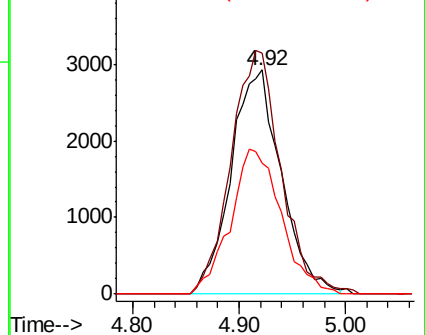
86 58.4 44.9 83.5

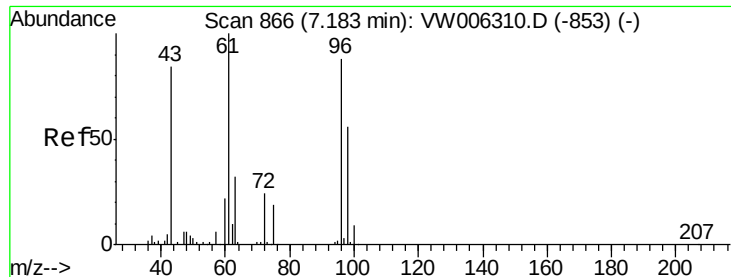


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 2.216 ug/L

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW006319.D

Acq: 24 Oct 2018 15:09

Instrument :

MSVOA\_W

ClientSampleId :

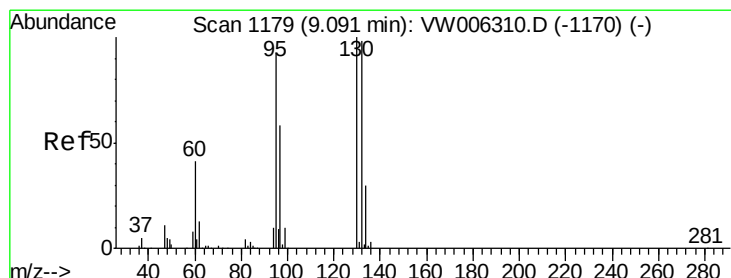
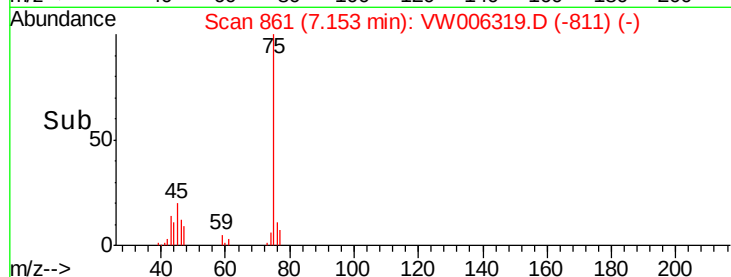
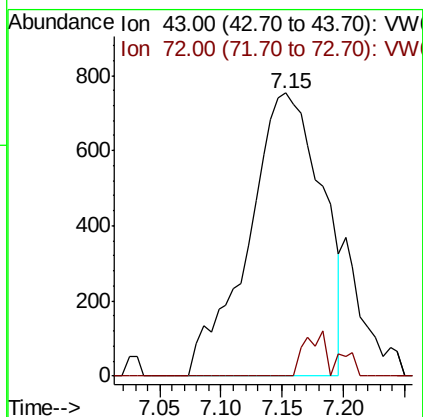
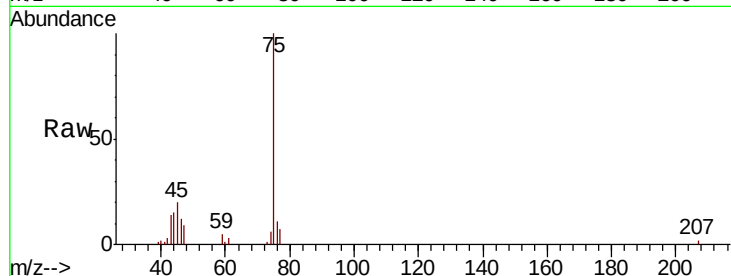
A40J5

Tgt Ion: 43 Resp: 3150

Ion Ratio Lower Upper

43 100

72 3.0 13.8 41.4#



#35

Trichloroethene

Concen: 2.492 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW006319.D

Acq: 24 Oct 2018 15:09

Tgt Ion: 95 Resp: 7909

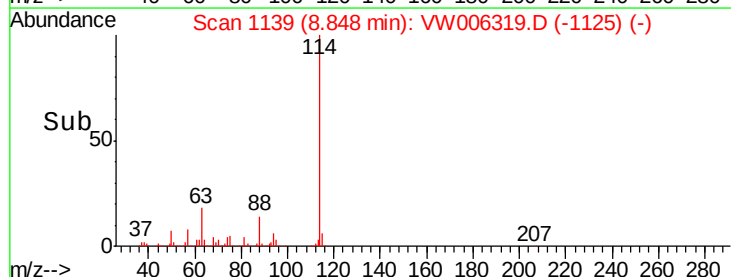
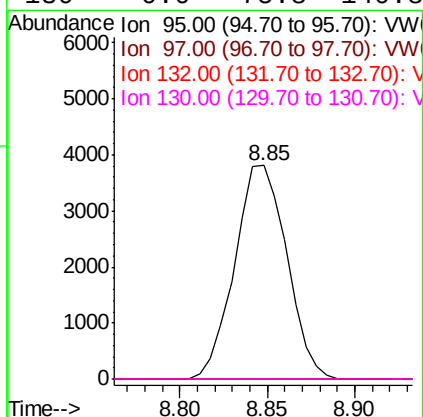
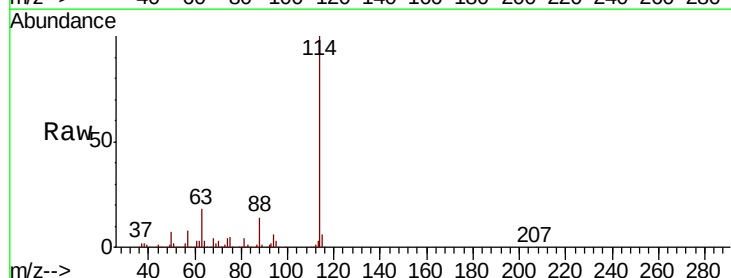
Ion Ratio Lower Upper

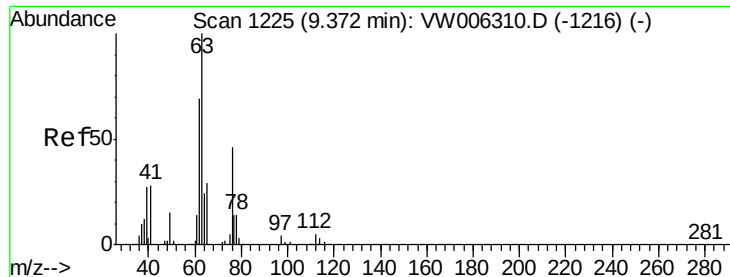
95 100

97 0.0 45.8 85.0#

132 0.0 72.9 135.3#

130 0.0 75.8 140.8#





#40

1,2-Dichloropropane

Concen: 3.875 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW006319.D

Acq: 24 Oct 2018 15:09

Instrument :

MSVOA\_W

ClientSampleId :

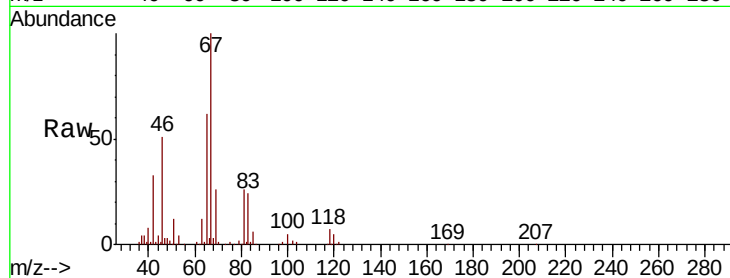
A40J5

Tgt Ion: 63 Resp: 10846

Ion Ratio Lower Upper

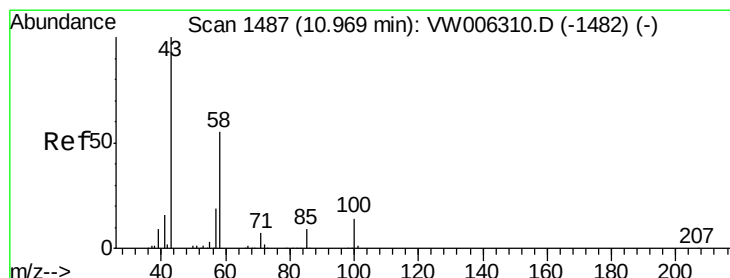
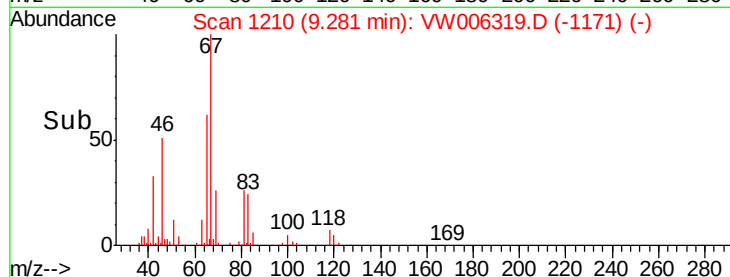
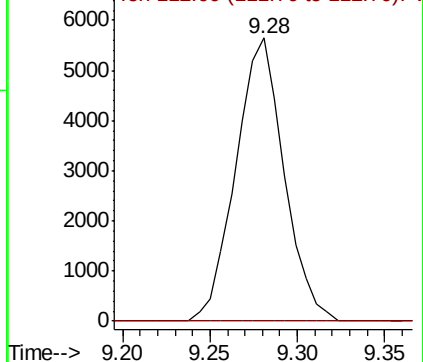
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#49

2-Hexanone

Concen: 2.760 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW006319.D

Acq: 24 Oct 2018 15:09

Tgt Ion: 43 Resp: 4562

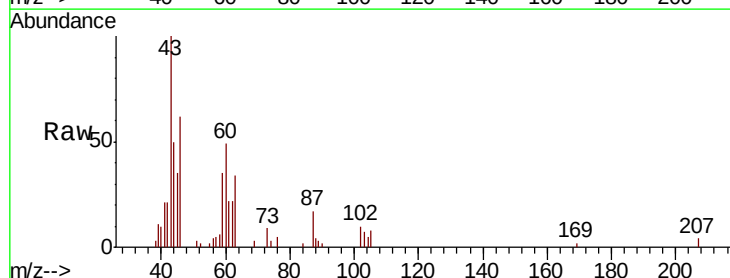
Ion Ratio Lower Upper

43 100

58 1.6 42.1 63.1#

57 0.0 15.1 22.7#

100 0.0 9.9 14.9#



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

