

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102119\  
 Data File : VW013637.D  
 Acq On : 21 Oct 2019 15:52  
 Operator : SY/VA  
 Sample : K5422-05  
 Misc : 6.34G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AB6

Quant Time: Oct 21 18:30:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Oct 21 16:37:58 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 40774    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 34868    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 10616    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                  |        |       |          |          |      |          |
|----------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3             | 2.35   | 65    | 15099    | 30.18    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 30 - 150 | Recovery | =    | 120.72%  |
| 7) Chloroethane-d5               | 2.89   | 69    | 14764    | 31.62    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 30 - 150 | Recovery | =    | 126.48%  |
| 10) 1,1-Dichloroethene-d2        | 4.02   | 63    | 25050    | 22.67    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 45 - 110 | Recovery | =    | 90.68%   |
| 20) 2-Butanone-d5                | 7.15   | 46    | 227      | 1.27     | ug/L | 0.07     |
| Spiked Amount                    | 50.000 | Range | 20 - 135 | Recovery | =    | 2.54%#   |
| 24) Chloroform-d                 | 7.65   | 84    | 29759    | 26.08    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 40 - 150 | Recovery | =    | 104.32%  |
| 26) 1,2-Dichloroethane-d4        | 8.30   | 65    | 16325    | 27.36    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 70 - 130 | Recovery | =    | 109.44%  |
| 29) Benzene-d6                   | 8.28   | 84    | 63787    | 30.45    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 20 - 135 | Recovery | =    | 121.80%  |
| 33) 1,2-Dichloropropane-d6       | 9.27   | 67    | 19629    | 31.37    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 70 - 120 | Recovery | =    | 125.48%# |
| 37) Toluene-d8                   | 10.32  | 98    | 50602    | 26.19    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 30 - 130 | Recovery | =    | 104.76%  |
| 38) trans-1,3-Dichloropropene-   | 10.58  | 79    | 6933     | 24.56    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 30 - 135 | Recovery | =    | 98.24%   |
| 39) 2-Hexanone-d5                | 10.93  | 63    | 4884     | 40.83    | ug/L | 0.00     |
| Spiked Amount                    | 50.000 | Range | 20 - 135 | Recovery | =    | 81.66%   |
| 48) 1,1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 13363    | 26.08    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 45 - 120 | Recovery | =    | 104.32%  |
| 61) 1,2-Dichlorobenzene-d4       | 13.85  | 152   | 10582    | 28.21    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 75 - 120 | Recovery | =    | 112.84%  |

## Target Compounds

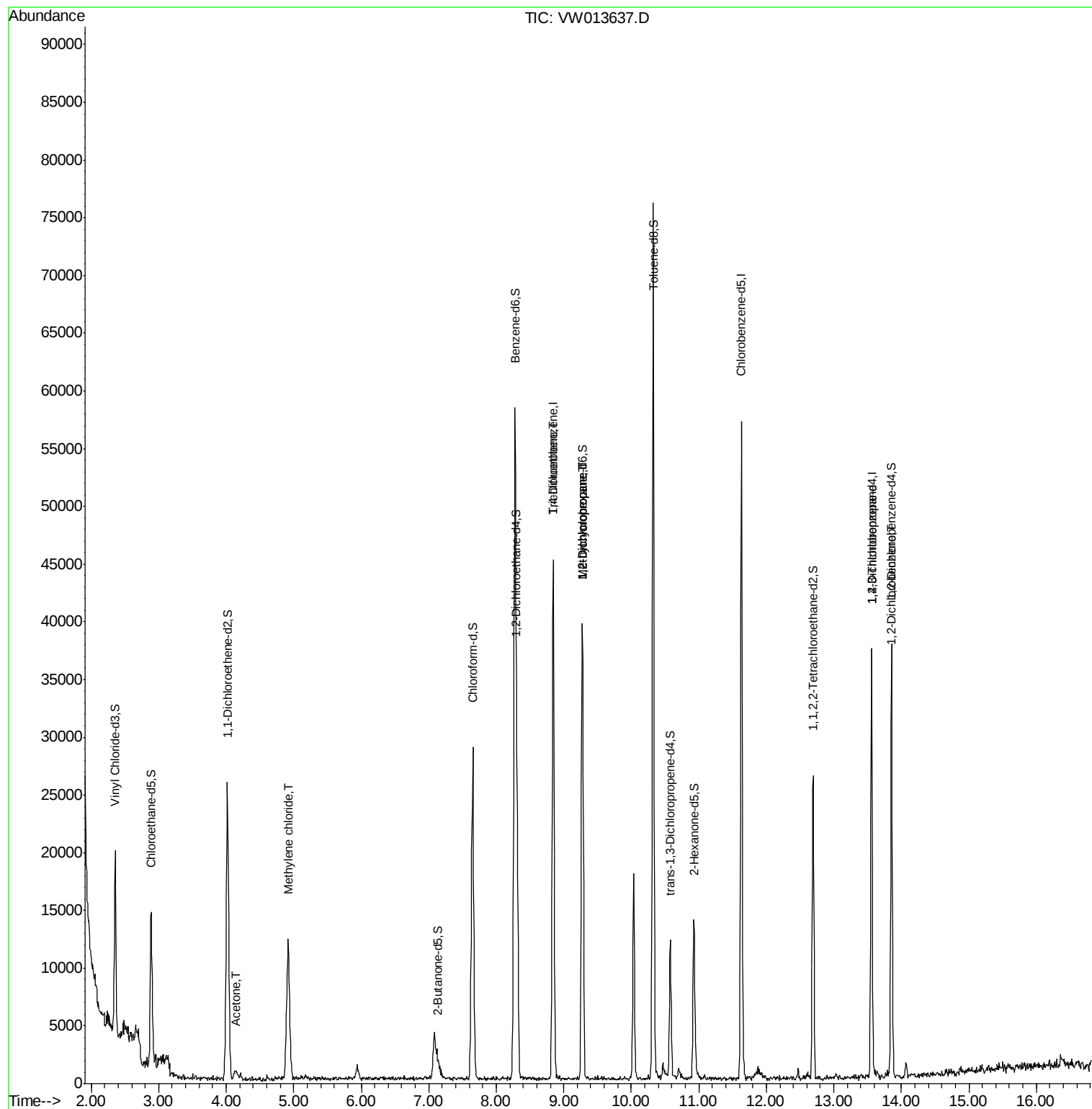
|                            |       |     |      |              | Ovalue |
|----------------------------|-------|-----|------|--------------|--------|
| 13) Acetone                | 4.15  | 43  | 1646 | 8.289 ug/L   | 91     |
| 16) Methylene chloride     | 4.92  | 84  | 9218 | 11.806 ug/L  | 91     |
| 35) Trichloroethene        | 8.84  | 95  | 1156 | 1.801 ug/L # | 2      |
| 36) Methylcyclohexane      | 9.27  | 83  | 5033 | 4.449 ug/L # | 18     |
| 40) 1,2-Dichloropropane    | 9.27  | 63  | 2014 | 3.292 ug/L # | 85     |
| 59) 1,2,3-Trichloropropane | 13.57 | 75  | 1397 | 3.388 ug/L   | 99     |
| 65) 1,2-Dichlorobenzene    | 13.86 | 146 | 867  | 1.328 ug/L   | 90     |

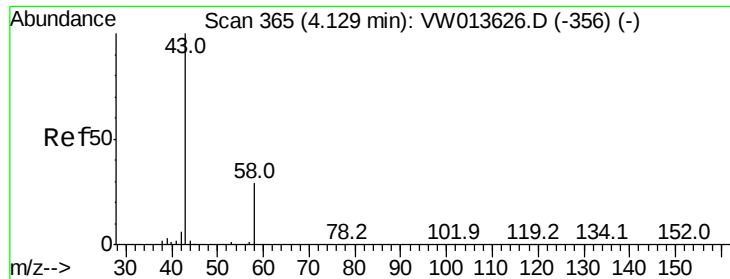
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Mon Oct 21 16:37:58 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 8.289 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW013637.D

Acq: 21 Oct 2019 15:52

Instrument :

MSVOA\_W

ClientSampled :

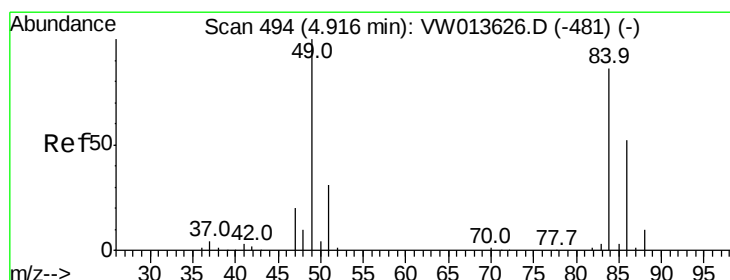
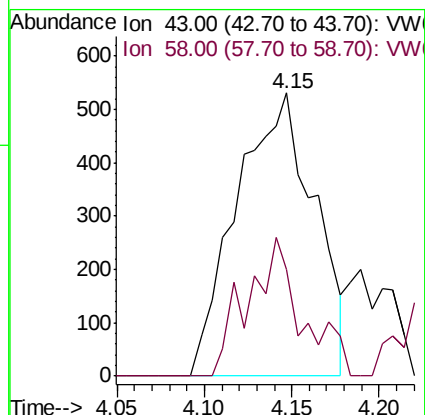
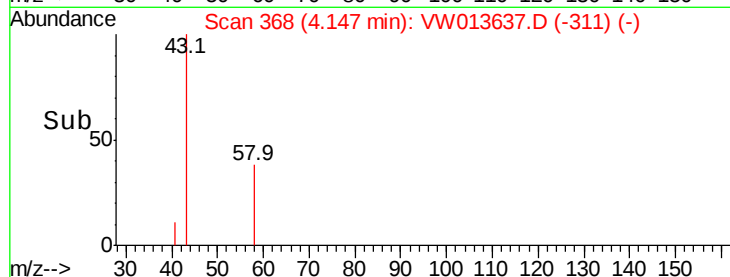
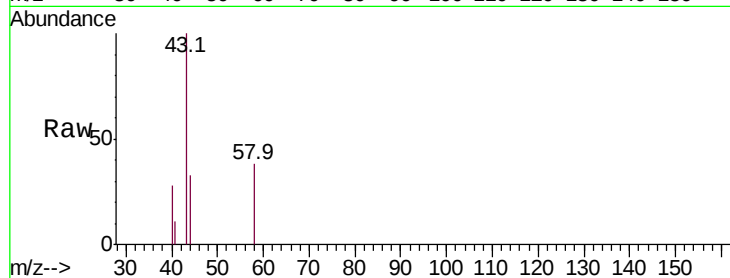
C0AB6

Tot Ion: 43 Resp: 1646

Ion Ratio Lower Upper

43 100

58 30.1 0.0 70.4



#16

Methylene chloride

Concen: 11.806 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW013637.D

Acq: 21 Oct 2019 15:52

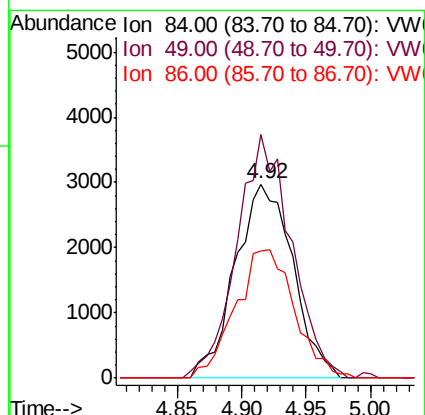
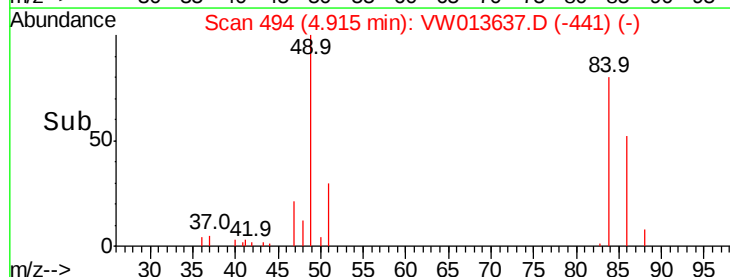
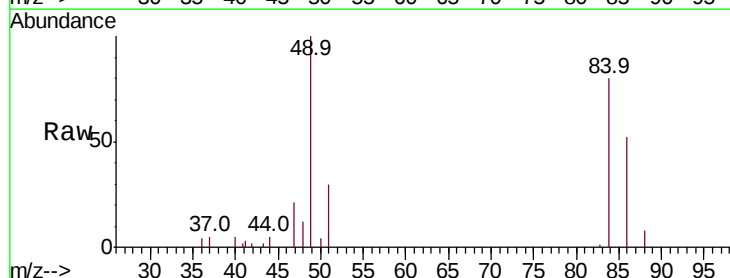
Tgt Ion: 84 Resp: 9218

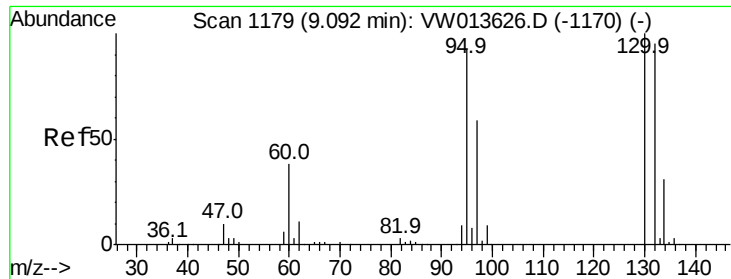
Ion Ratio Lower Upper

84 100

49 125.6 80.2 148.9

86 65.5 42.7 79.3





#35

Trichloroethene

Concen: 1.801 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW013637.D

Acq: 21 Oct 2019 15:52

Instrument :

MSVOA\_W

ClientSampled :

C0AB6

Tot Ion: 95 Resp: 1156

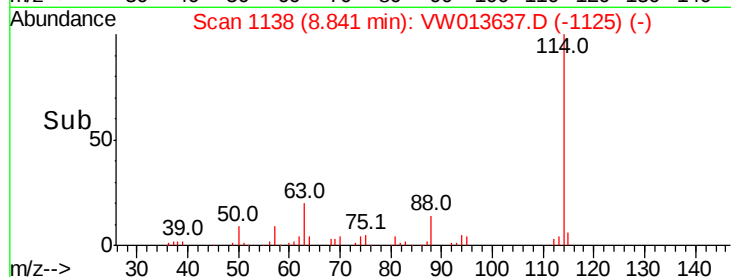
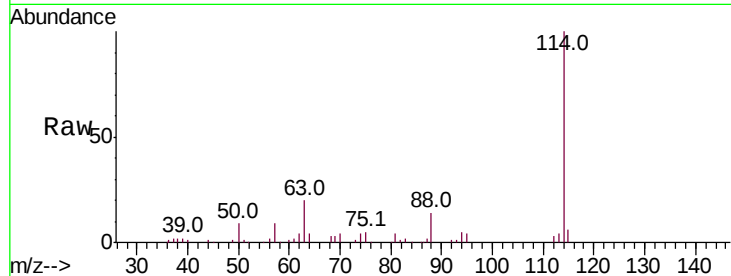
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.2#

132 0.0 74.3 138.1#

130 0.0 76.6 142.3#

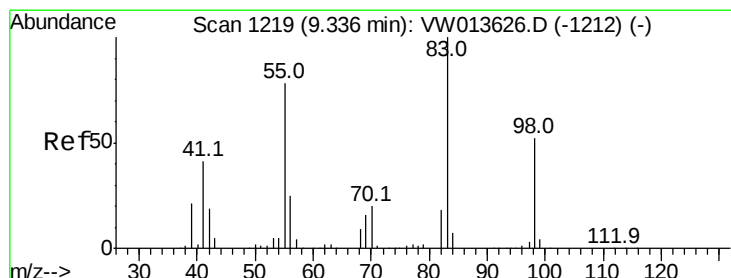
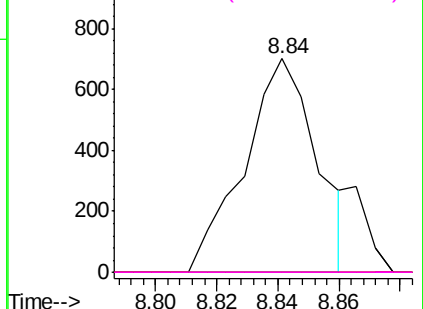


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 4.449 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW013637.D

Acq: 21 Oct 2019 15:52

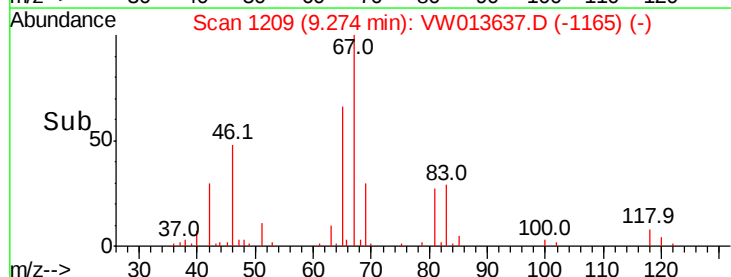
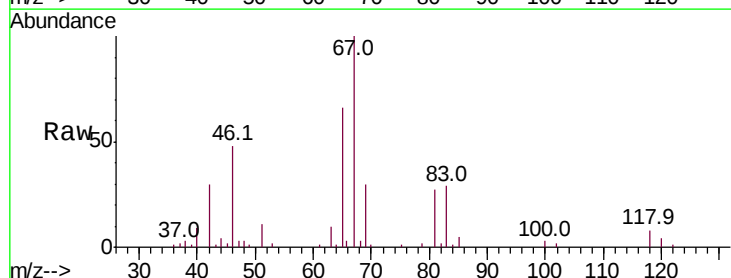
Tgt Ion: 83 Resp: 5033

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.4#

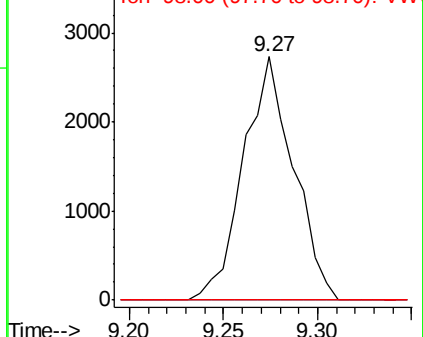
98 0.0 39.1 58.7#

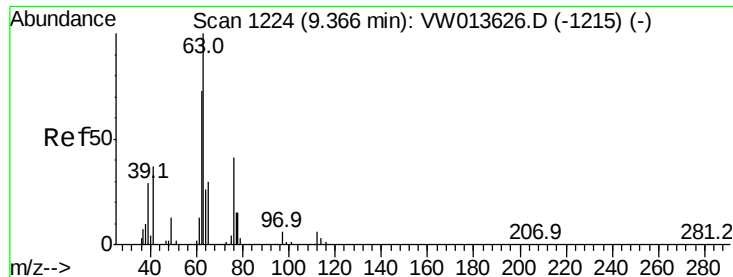


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.292 ug/L

RT: 9.27 min Scan# 1208

Delta R.T. -0.10 min

Lab File: VW013637.D

Acq: 21 Oct 2019 15:52

Instrument :

MSVOA\_W

ClientSampleId :

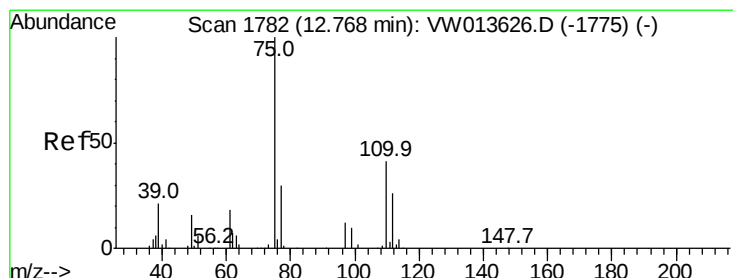
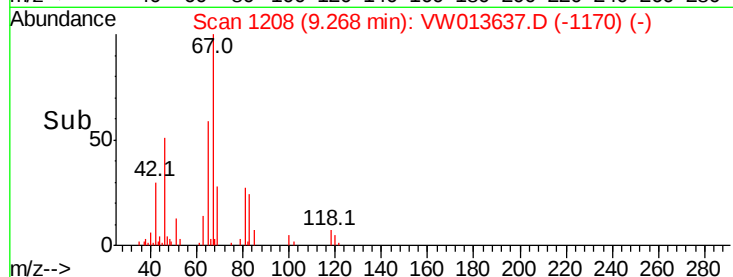
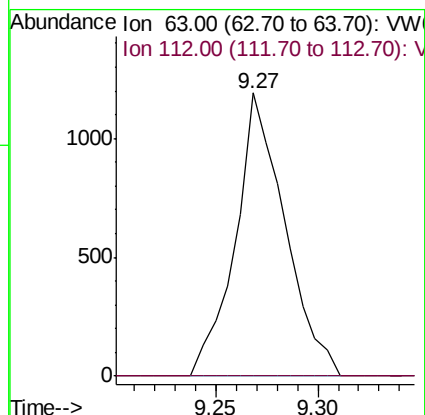
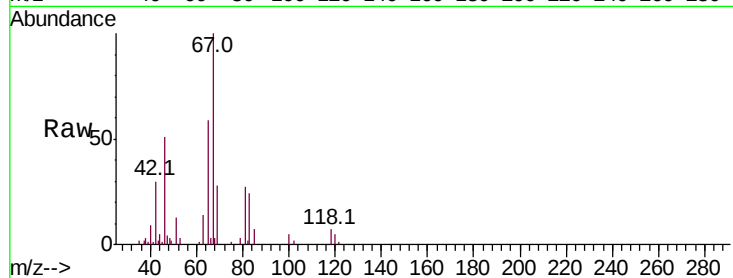
C0AB6

Tot Ion: 63 Resp: 2014

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#59

1,2,3-Trichloropropane

Concen: 3.388 ug/L

RT: 13.57 min Scan# 1913

Delta R.T. 0.80 min

Lab File: VW013637.D

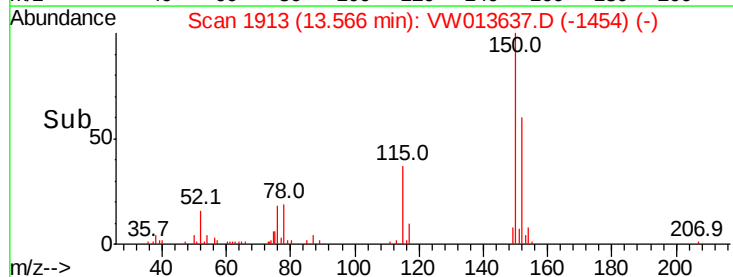
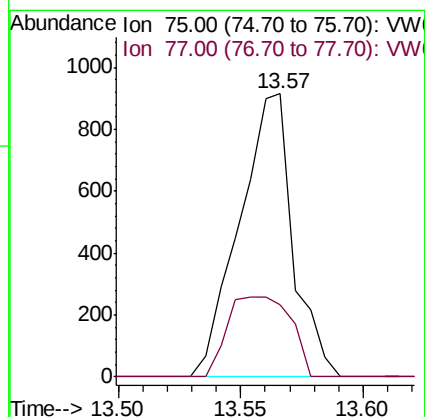
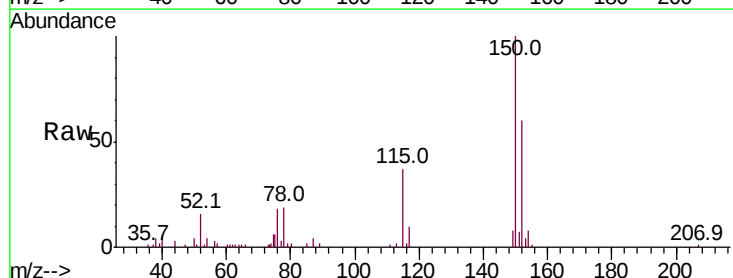
Acq: 21 Oct 2019 15:52

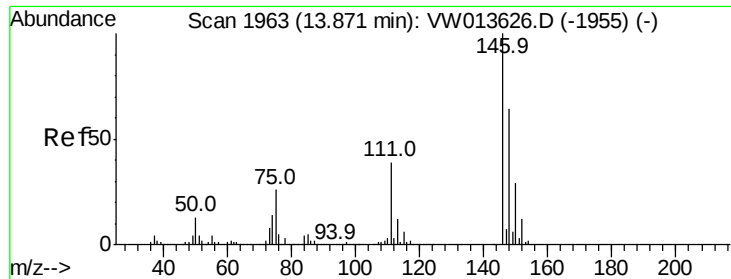
Tgt Ion: 75 Resp: 1397

Ion Ratio Lower Upper

75 100

77 33.4 26.4 39.6





#65  
 1,2-Dichlorobenzene  
 Concen: 1.328 ug/L  
 RT: 13.86 min Scan# 1962  
 Delta R.T. -0.01 min  
 Lab File: VW013637.D  
 Acq: 21 Oct 2019 15:52

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AB6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.2  | 30.7  | 46.1  |
| 148     | 58.4  | 53.3  | 79.9  |

