

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV082318\  
 Data File : VV007149.D  
 Acq On : 23 Aug 2018 19:19  
 Operator : SY/MD  
 Sample : J4599-15  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETOL5

Quant Time: Aug 24 02:11:40 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 24 02:07:07 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 520158   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 487314   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 176905   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 146009   | 44.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.34%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 125239   | 59.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 119.14% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 214053   | 35.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.72%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 270804   | 97.34    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.34%  |
| 24) Chloroform-d               | 4.41    | 84    | 339355   | 48.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.04%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 214239   | 50.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.06% |
| 32) Benzene-d6                 | 5.10    | 84    | 671964   | 49.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.22%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 225536   | 50.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.68% |
| 41) Toluene-d8                 | 7.37    | 98    | 515653   | 43.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.54%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 83605    | 43.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.18%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 115747   | 72.66    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 72.66%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 294459   | 45.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.36%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 185386   | 52.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.24% |

## Target Compounds

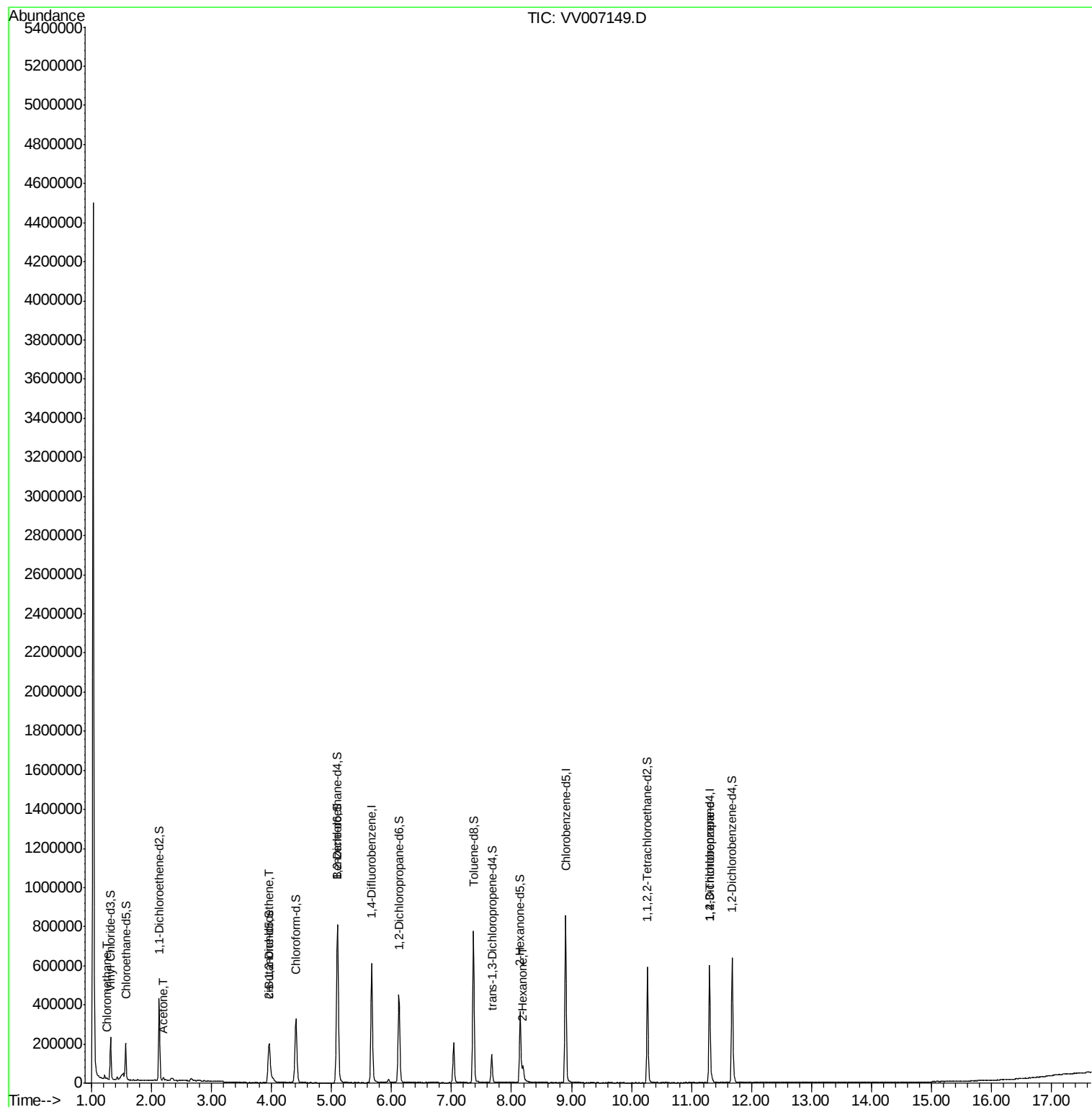
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 3) Chloromethane           | 1.25  | 50 | 7358  | 1.223 ug/L   | 94     |
| 13) Acetone                | 2.20  | 43 | 10022 | 4.592 ug/L   | 96     |
| 20) cis-1,2-Dichloroethene | 3.96  | 96 | 22661 | 5.193 ug/L   | 99     |
| 48) 2-Hexanone             | 8.20  | 43 | 39361 | 8.987 ug/L # | 94     |
| 59) 1,2,3-Trichloropropane | 11.30 | 75 | 19746 | 3.431 ug/L   | 94     |

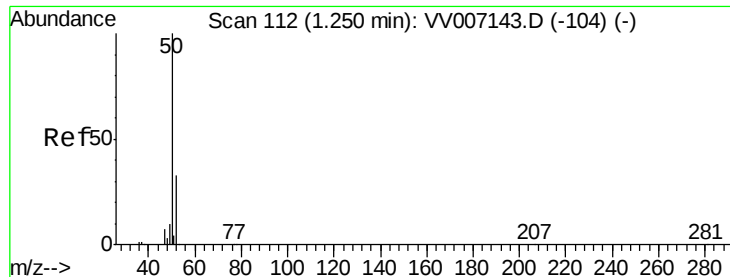
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.223 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007149.D

Acq: 23 Aug 2018 19:19

Instrument :

MSVOA\_V

ClientSampleId :

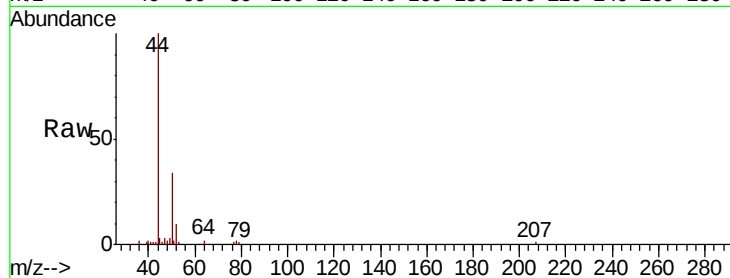
ETOL5

Tgt Ion: 50 Resp: 7358

Ion Ratio Lower Upper

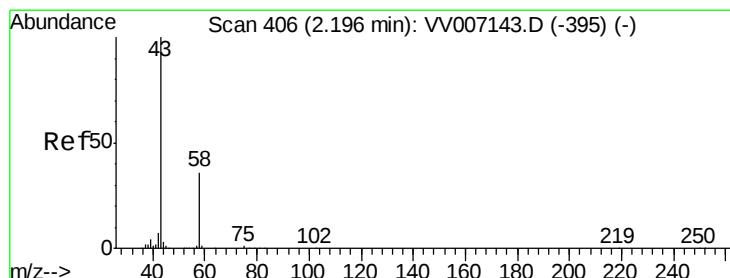
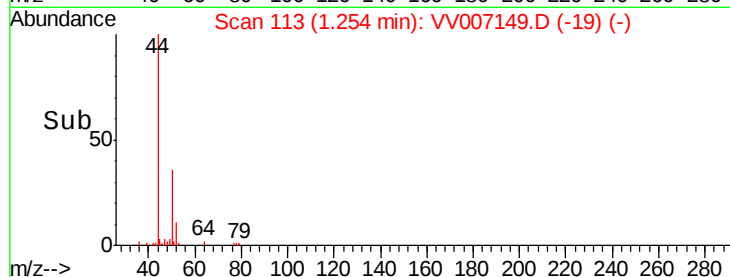
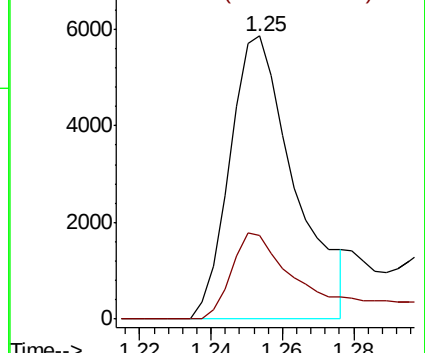
50 100

52 29.6 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007143.D (-104) (-)

Ion 52.00 (51.70 to 52.70): VV007149.D (-113) (-)



#13

Acetone

Concen: 4.592 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.00 min

Lab File: VV007149.D

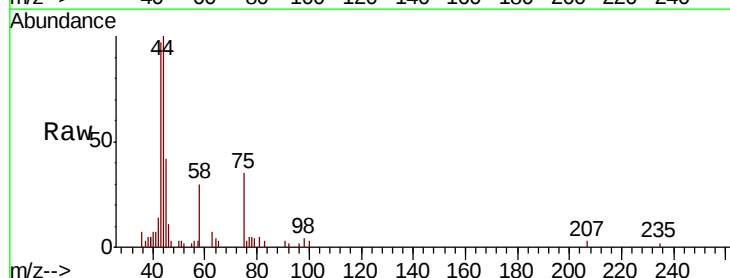
Acq: 23 Aug 2018 19:19

Tgt Ion: 43 Resp: 10022

Ion Ratio Lower Upper

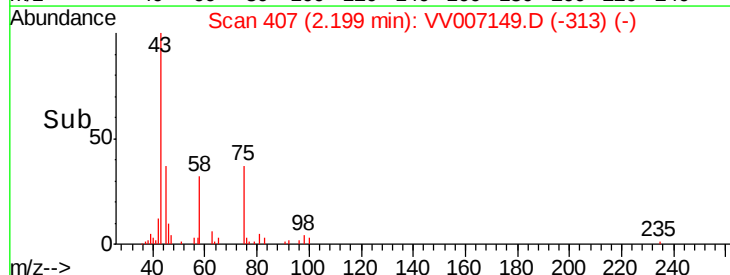
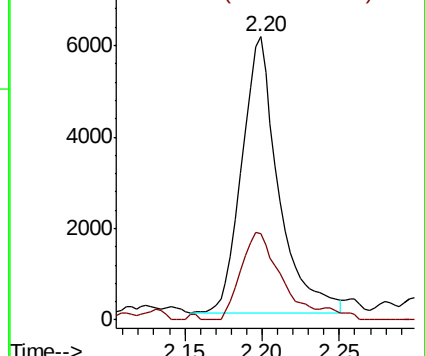
43 100

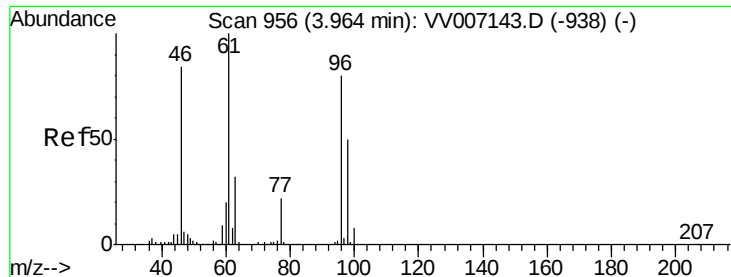
58 34.1 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VV007143.D (-395) (-)

Ion 58.00 (57.70 to 58.70): VV007149.D (-407) (-)





#20

cis-1,2-Dichloroethene

Concen: 5.193 ug/L

RT: 3.96 min Scan# 956

Delta R.T. -0.00 min

Lab File: VV007149.D

Acq: 23 Aug 2018 19:19

Instrument :

MSVOA\_V

ClientSampleId :

ETOL5

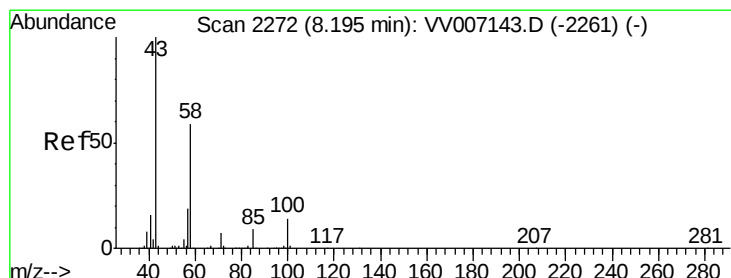
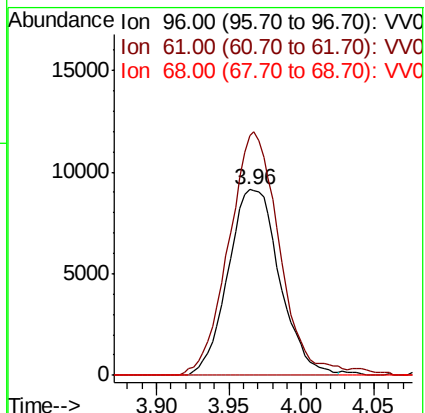
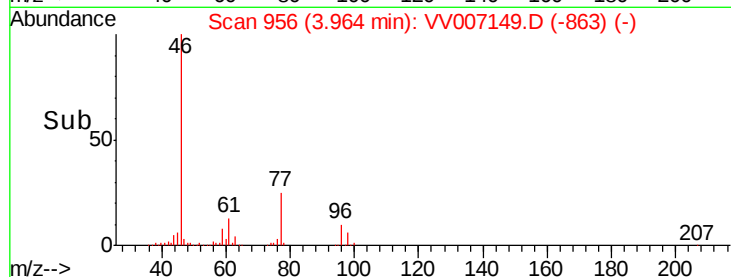
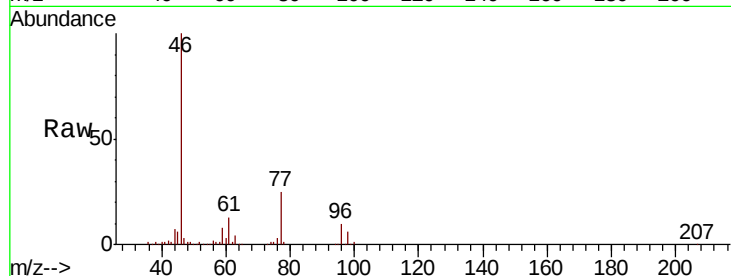
Tgt Ion: 96 Resp: 22661

Ion Ratio Lower Upper

96 100

61 128.9 89.0 165.4

68 0.0 0.0 0.0



#48

2-Hexanone

Concen: 8.987 ug/L

RT: 8.20 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV007149.D

Acq: 23 Aug 2018 19:19

Tgt Ion: 43 Resp: 39361

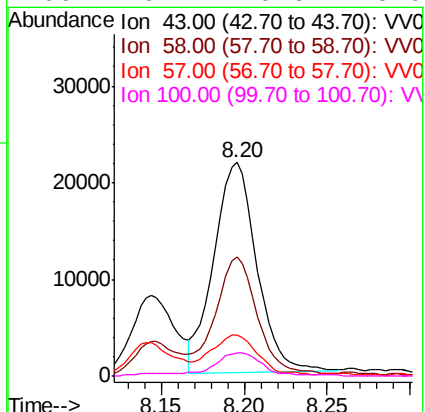
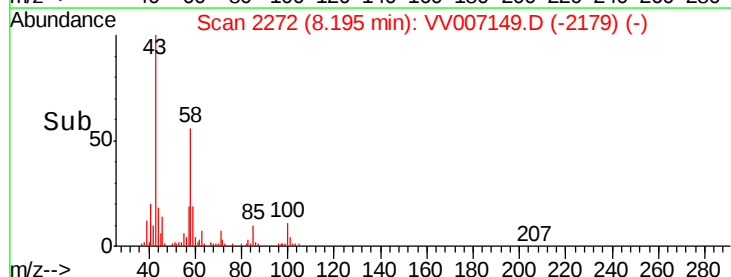
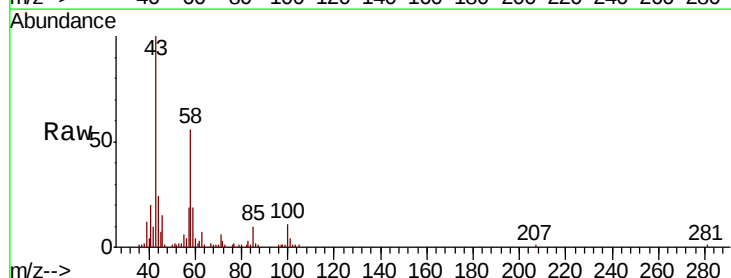
Ion Ratio Lower Upper

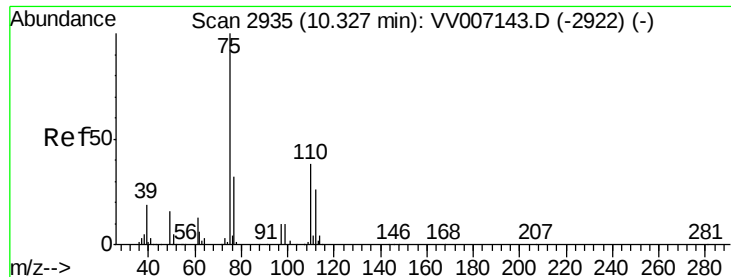
43 100

58 54.8 47.9 71.9

57 18.7 15.8 23.8

100 10.4 10.6 16.0#





#59

1,2,3-Trichloropropane

Concen: 3.431 ug/L

RT: 11.30 min Scan# 3238

Delta R.T. 0.97 min

Lab File: VV007149.D

Acq: 23 Aug 2018 19:19

Instrument :

MSVOA\_V

ClientSampleId :

ETOL5

Tgt Ion: 75 Resp: 19746

Ion Ratio Lower Upper

75 100

77 35.9 25.8 38.8

