

Data File : VW014226.D  
Acq On : 05 Dec 2019 21:01  
Operator : SY/VA  
Sample : K6149-10  
Misc : 4.73G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBBS3

Quant Time: Dec 06 06:54:32 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 06 06:50:50 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 948688   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 888112   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 397715   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 343178   | 23.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.56%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 251175   | 23.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.04%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 462708   | 18.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.96%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 240716   | 64.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 128.60% |
| 24) Chloroform-d               | 7.64   | 84    | 600953   | 24.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 354116   | 27.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 111.84% |
| 29) Benzene-d6                 | 8.27   | 84    | 1281778  | 24.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.52%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 407672   | 25.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.84% |
| 37) Toluene-d8                 | 10.32  | 98    | 1149929  | 24.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 97.72%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 173236   | 25.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 103.16% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 190238   | 59.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 119.50% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 372589   | 28.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 114.20% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 410163   | 26.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 107.96% |

#### Target Compounds

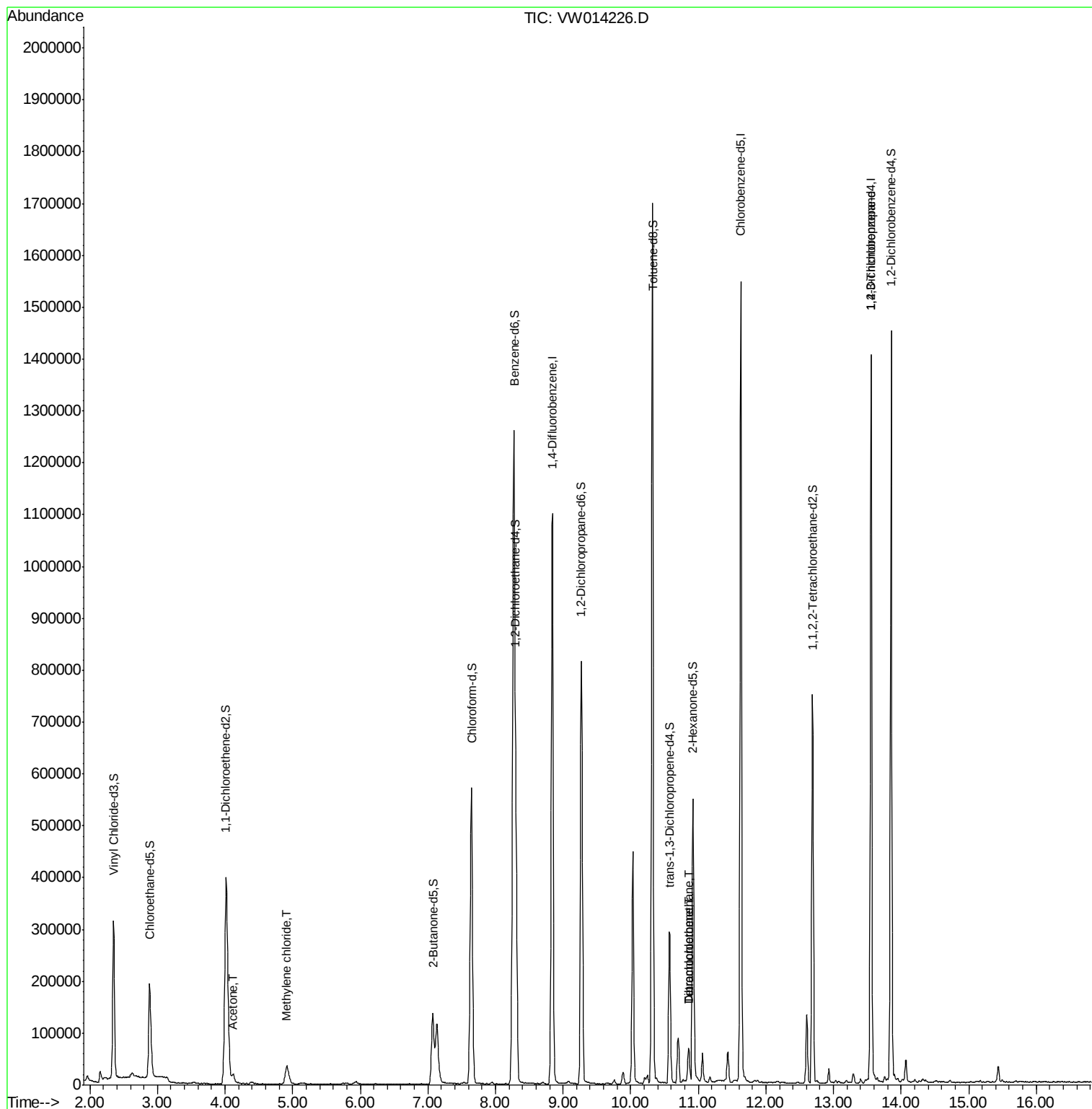
|                            |       |     |       |              | Qvalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                | 4.12  | 43  | 26990 | 7.478 ug/L   | 94     |
| 16) Methylene chloride     | 4.92  | 84  | 29307 | 2.015 ug/L   | 98     |
| 47) Tetrachloroethene      | 10.87 | 164 | 15509 | 1.293 ug/L   | 90     |
| 50) Dibromochloromethane   | 10.86 | 129 | 14083 | 1.159 ug/L # | 10     |
| 59) 1,2,3-Trichloropropane | 13.55 | 75  | 45469 | 4.554 ug/L   | 95     |

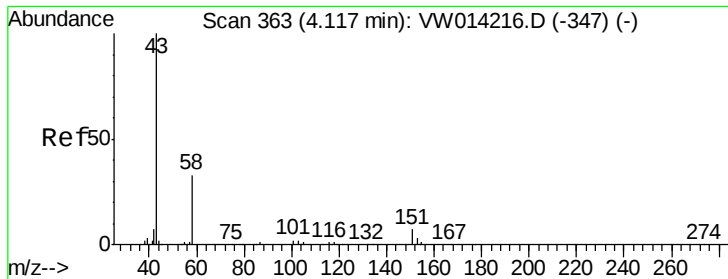
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.478 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Acq: 05 Dec 2019 21:01

Instrument :

MSVOA\_W

ClientSampled :

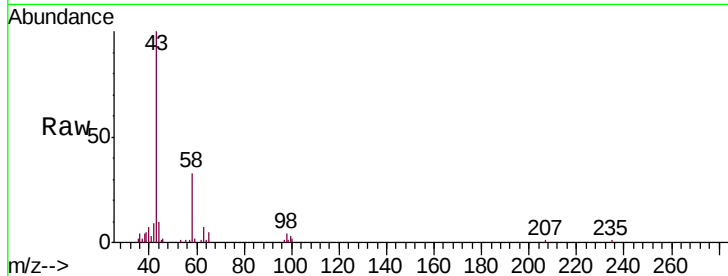
DBBS3

Tgt Ion: 43 Resp: 26990

Ion Ratio Lower Upper

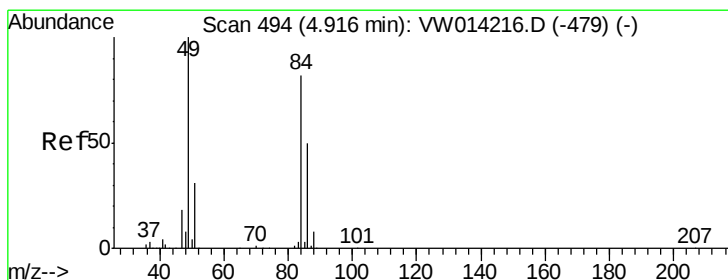
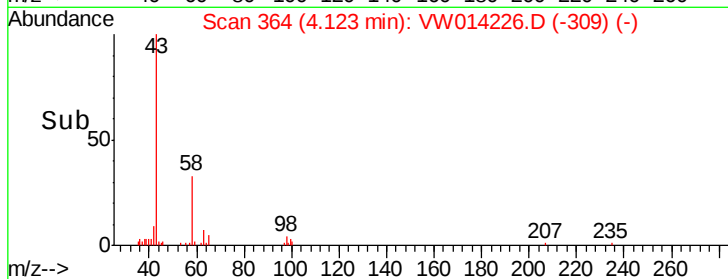
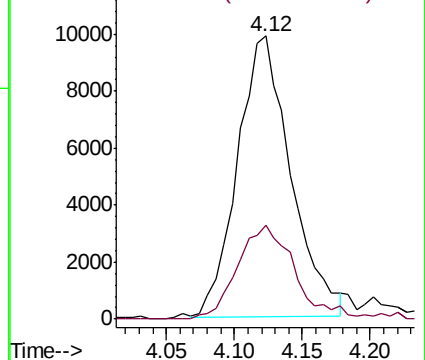
43 100

58 35.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.015 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

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Acq: 05 Dec 2019 21:01

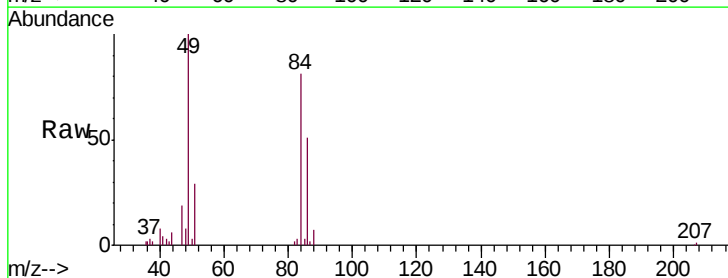
Tgt Ion: 84 Resp: 29307

Ion Ratio Lower Upper

84 100

49 122.8 84.2 156.4

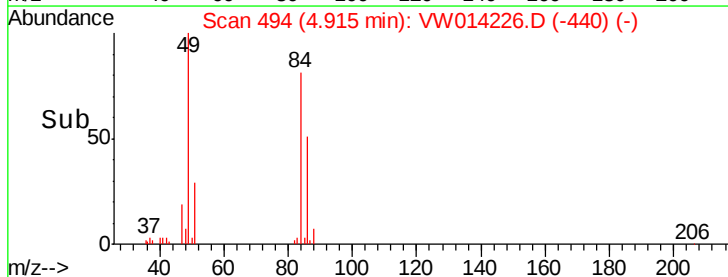
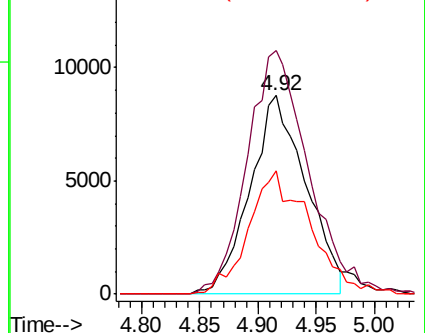
86 62.5 43.7 81.1

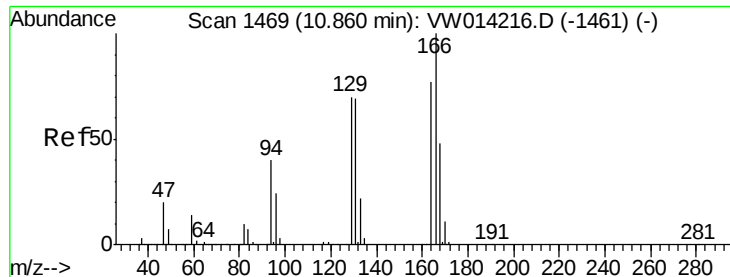


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#47

Tetrachloroethene

Concen: 1.293 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

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Instrument :

MSVOA\_W

ClientSampleId :

DBBS3

Tgt Ion:164 Resp: 15509

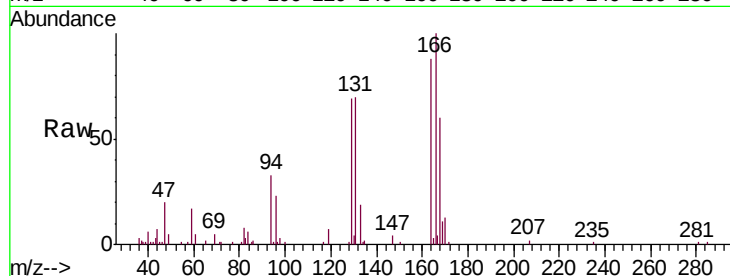
Ion Ratio Lower Upper

164 100

129 78.1 60.6 112.6

131 79.6 59.1 109.7

166 114.0 90.8 168.6

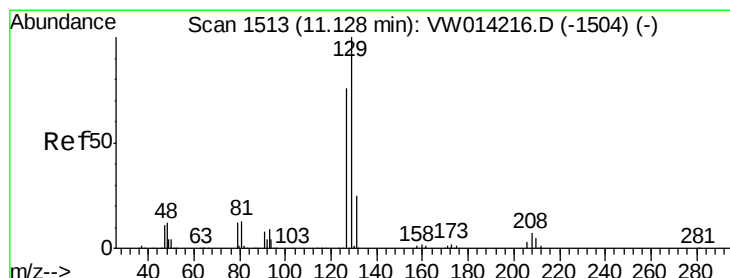
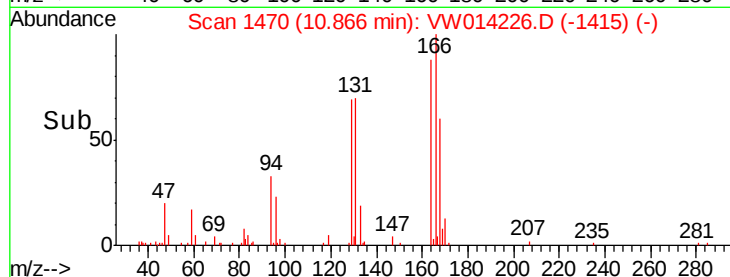
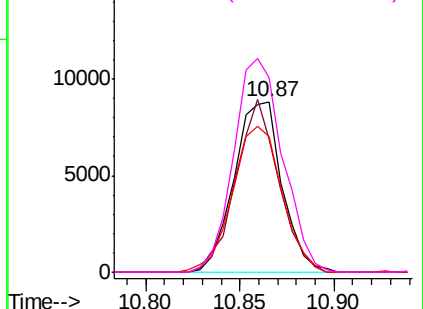


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#50

Dibromochloromethane

Concen: 1.159 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW014226.D

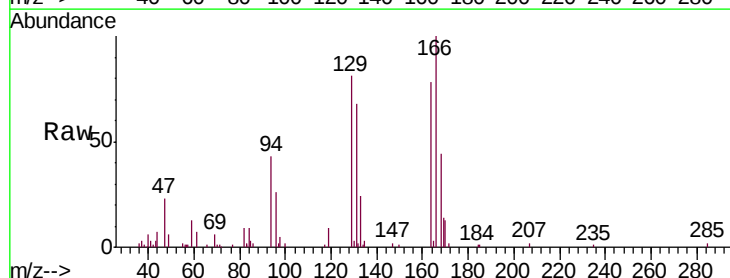
Acq: 05 Dec 2019 21:01

Tgt Ion:129 Resp: 14083

Ion Ratio Lower Upper

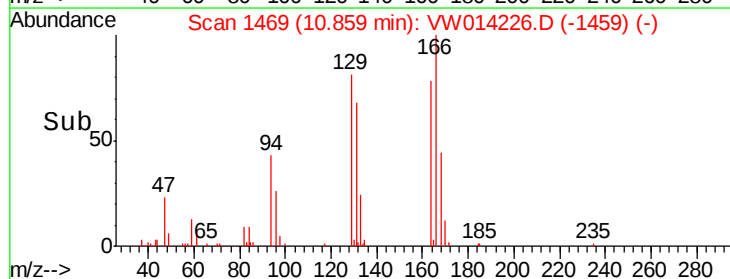
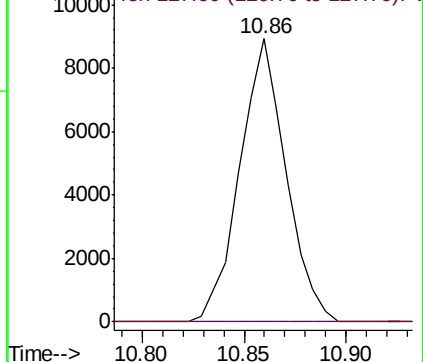
129 100

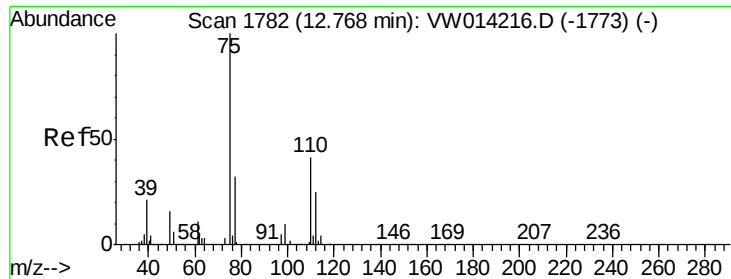
127 0.0 54.9 102.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 4.554 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014226.D

Acq: 05 Dec 2019 21:01

Instrument :

MSVOA\_W

ClientSampleId :

DBBS3

Tgt Ion: 75 Resp: 45469

Ion Ratio Lower Upper

75 100

77 35.1 25.9 38.9

