

Data File : VV010417.D  
Acq On : 22 Apr 2019 16:59  
Operator : SY/MD  
Sample : VV0422SBL01  
Misc : 5.00G/10mL/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK75

Quant Time: Apr 23 07:00:06 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM042219S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 23 06:57:14 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 447052   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 434954   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 210315   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 135937   | 22.07    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.28% |
| 7) Chloroethane-d5             | 1.57   | 69    | 110192   | 23.00    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.00% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 198127   | 17.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.92% |
| 20) 2-Butanone-d5              | 3.93   | 46    | 69750    | 48.43    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 96.86% |
| 24) Chloroform-d               | 4.40   | 84    | 234788   | 21.49    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.96% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 158015   | 23.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 94.32% |
| 29) Benzene-d6                 | 5.10   | 84    | 476812   | 23.74    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.96% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 141413   | 23.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.48% |
| 37) Toluene-d8                 | 7.36   | 98    | 471640   | 22.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.20% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 65963    | 22.61    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.44% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 54877    | 46.64    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.28% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 126957   | 22.00    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.00% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 187825   | 23.50    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.00% |

#### Target Compounds

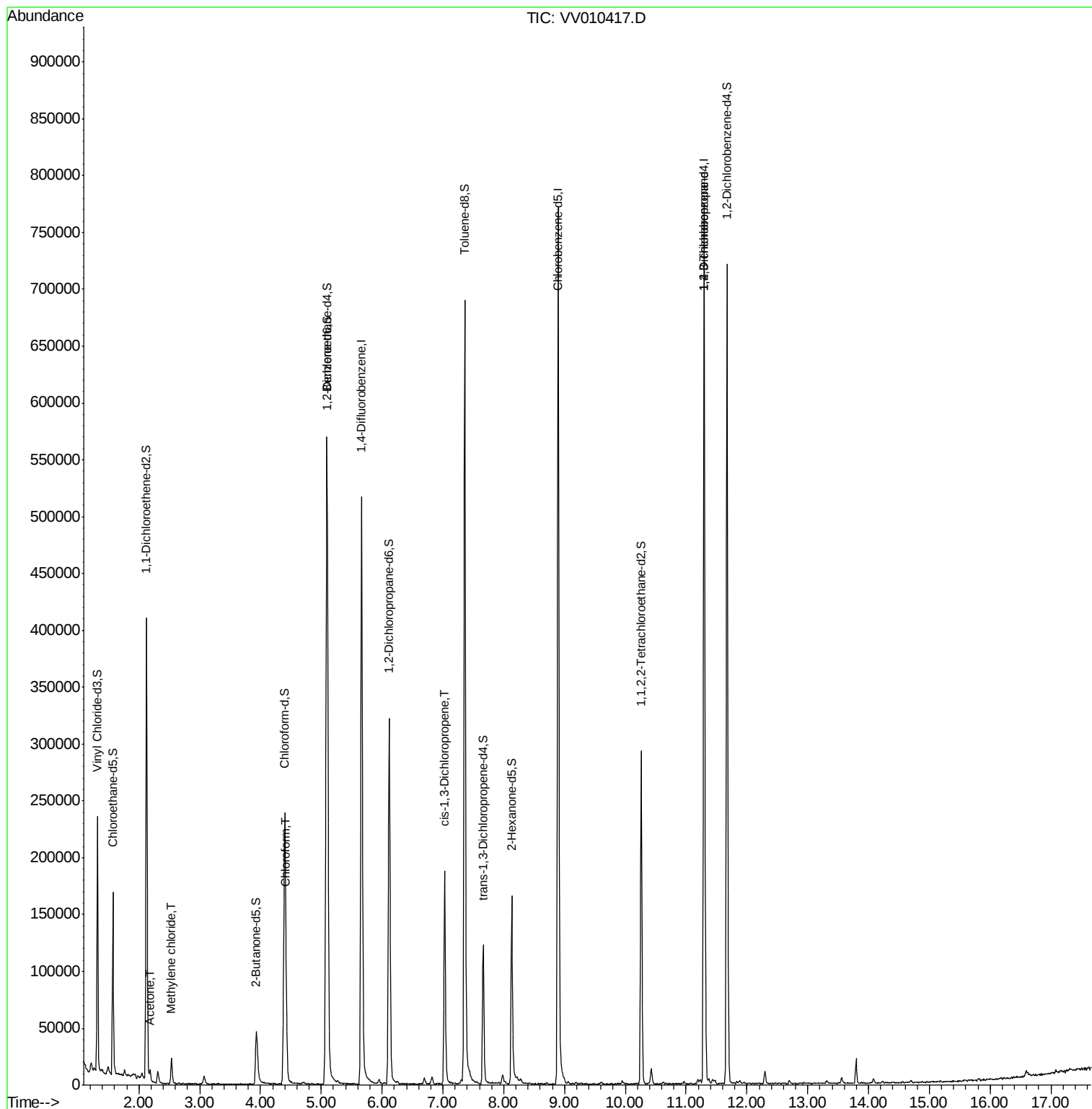
|                             |       |    |       |            | Qvalue |
|-----------------------------|-------|----|-------|------------|--------|
| 13) Acetone                 | 2.19  | 43 | 2528  | 1.638 ug/L | 100    |
| 16) Methylene chloride      | 2.53  | 84 | 9125  | 1.392 ug/L | 99     |
| 25) Chloroform              | 4.43  | 83 | 17897 | 1.674 ug/L | 80     |
| 42) cis-1,3-Dichloropropene | 7.03  | 75 | 5986  | 0.766 ug/L | 91     |
| 59) 1,2,3-Trichloropropane  | 11.29 | 75 | 24998 | 6.137 ug/L | 89     |

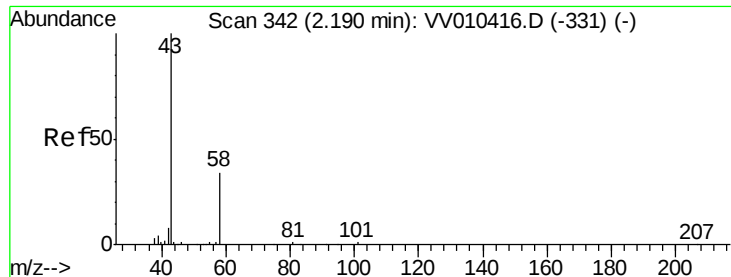
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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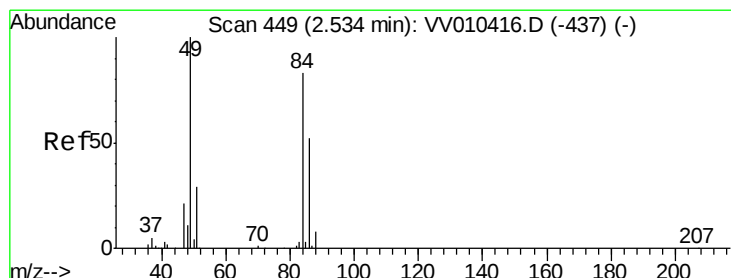
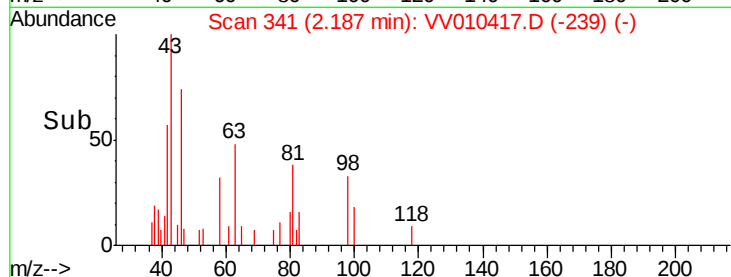
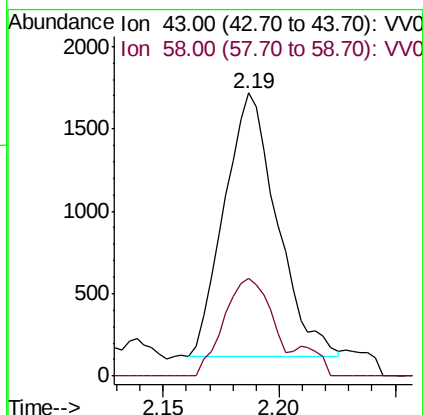
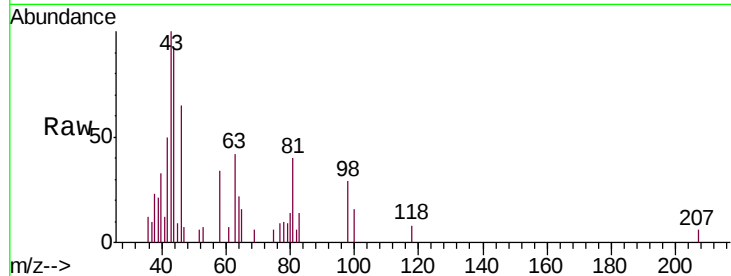




#13  
Acetone  
Concen: 1.638 ug/L  
RT: 2.19 min Scan# 341  
Delta R.T. -0.00 min  
Lab File: VV010417.D  
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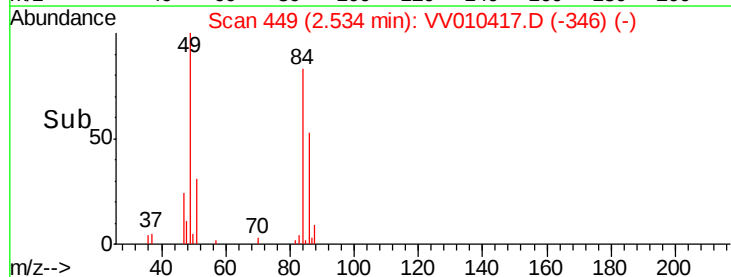
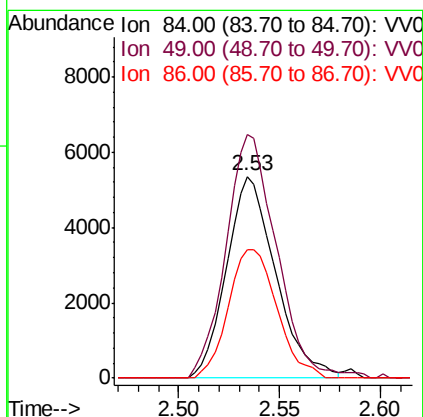
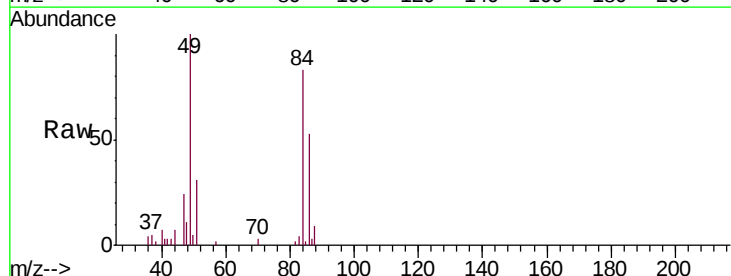
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK75

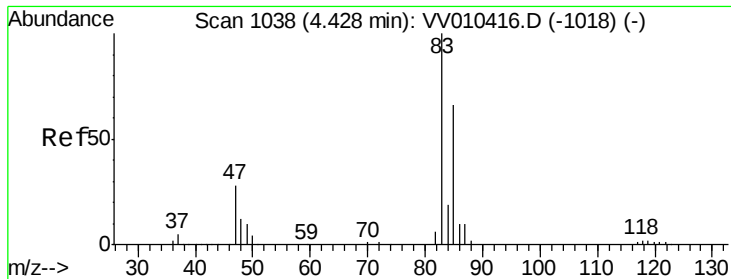
Tgt Ion: 43 Resp: 2528  
Ion Ratio Lower Upper  
43 100  
58 33.4 0.0 66.4



#16  
Methylene chloride  
Concen: 1.392 ug/L  
RT: 2.53 min Scan# 449  
Delta R.T. -0.00 min  
Lab File: VV010417.D  
Acq: 22 Apr 2019 16:59

Tgt Ion: 84 Resp: 9125  
Ion Ratio Lower Upper  
84 100  
49 120.6 85.0 158.0  
86 63.9 43.9 81.5





#25

Chloroform

Concen: 1.674 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

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Instrument :

MSVOA\_V

ClientSampleId :

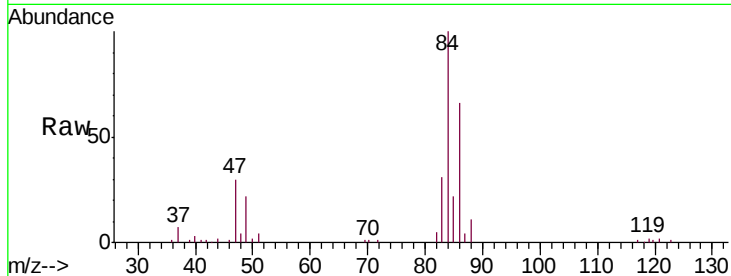
VBLK75

Tgt Ion: 83 Resp: 17897

Ion Ratio Lower Upper

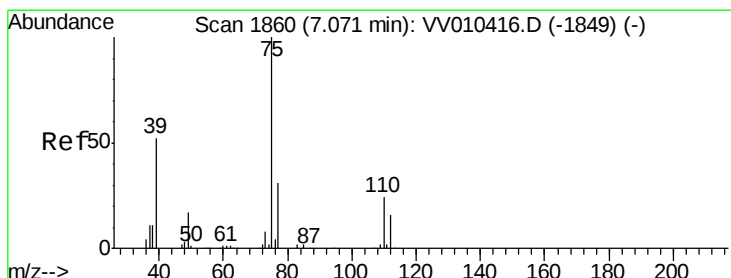
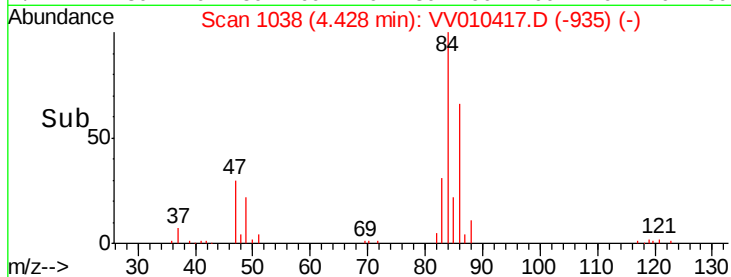
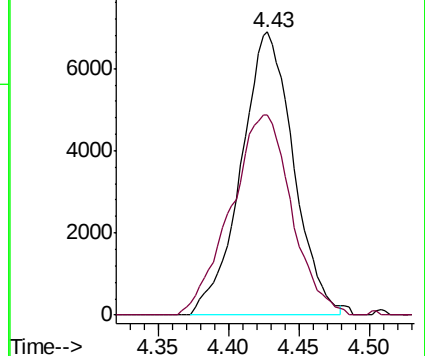
83 100

85 82.0 46.1 85.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#42

cis-1,3-Dichloropropene

Concen: 0.766 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV010417.D

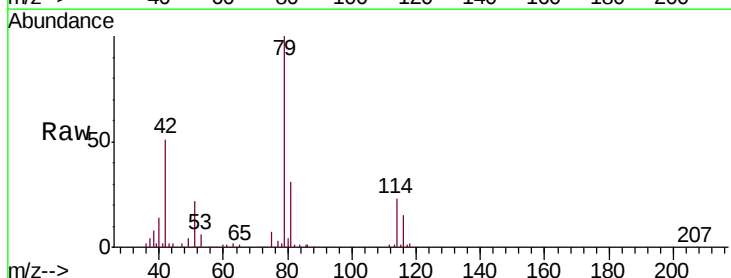
Acq: 22 Apr 2019 16:59

Tgt Ion: 75 Resp: 5986

Ion Ratio Lower Upper

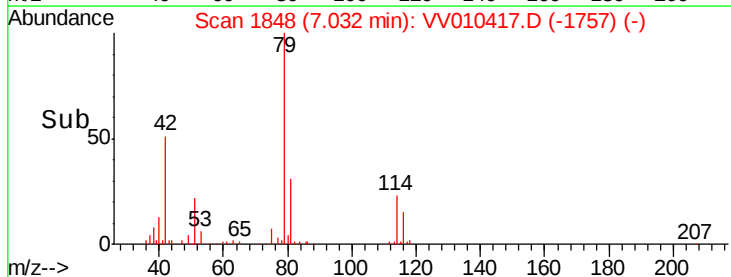
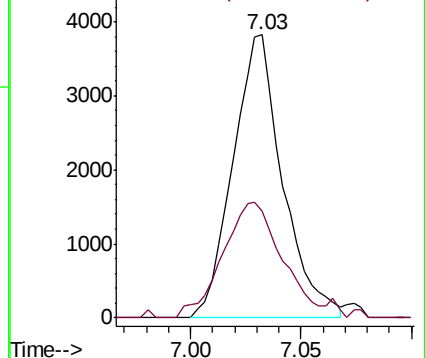
75 100

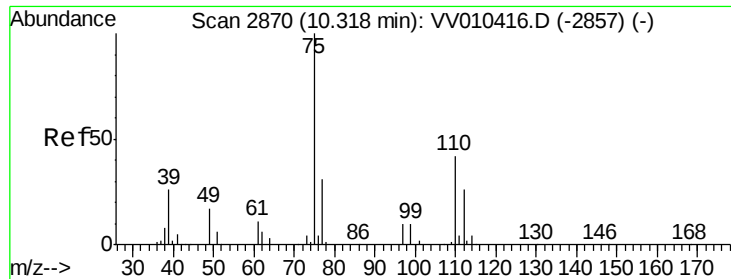
77 37.9 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#59

1,2,3-Trichloropropane

Concen: 6.137 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV010417.D

Acq: 22 Apr 2019 16:59

Instrument :

MSVOA\_V

ClientSampleId :

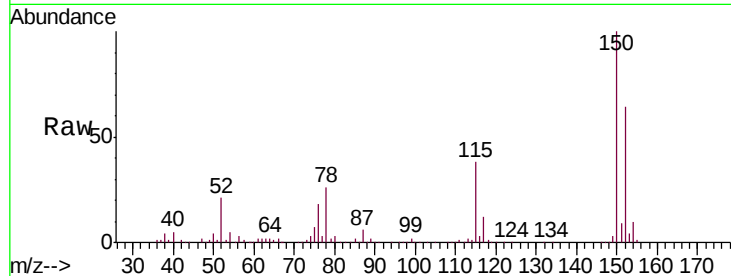
VBLK75

Tgt Ion: 75 Resp: 24998

Ion Ratio Lower Upper

75 100

77 38.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

