

Data File : VV010293.D  
Acq On : 12 Apr 2019 17:41  
Operator : SY/MD  
Sample : K2304-11  
Misc : 5.82G/10mL/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF895

Quant Time: Apr 13 04:52:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041019S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 13 04:47:32 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 185246   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 161679   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 51330    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 33536    | 15.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 62.92%   |
| 7) Chloroethane-d5             | 1.56   | 69    | 37300    | 20.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.40%   |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 73715    | 13.58    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 54.32%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 37881    | 70.20    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 140.40%# |
| 24) Chloroform-d               | 4.40   | 84    | 83639    | 19.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 79.08%   |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 62009    | 25.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.96%  |
| 29) Benzene-d6                 | 5.10   | 84    | 176059   | 22.58    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 90.32%   |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 57555    | 24.82    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.28%   |
| 37) Toluene-d8                 | 7.36   | 98    | 148205   | 19.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 77.96%   |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 22683    | 23.46    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.84%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 26900    | 67.17    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 134.34%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 58826    | 28.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 113.04%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 42251    | 22.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.16%   |

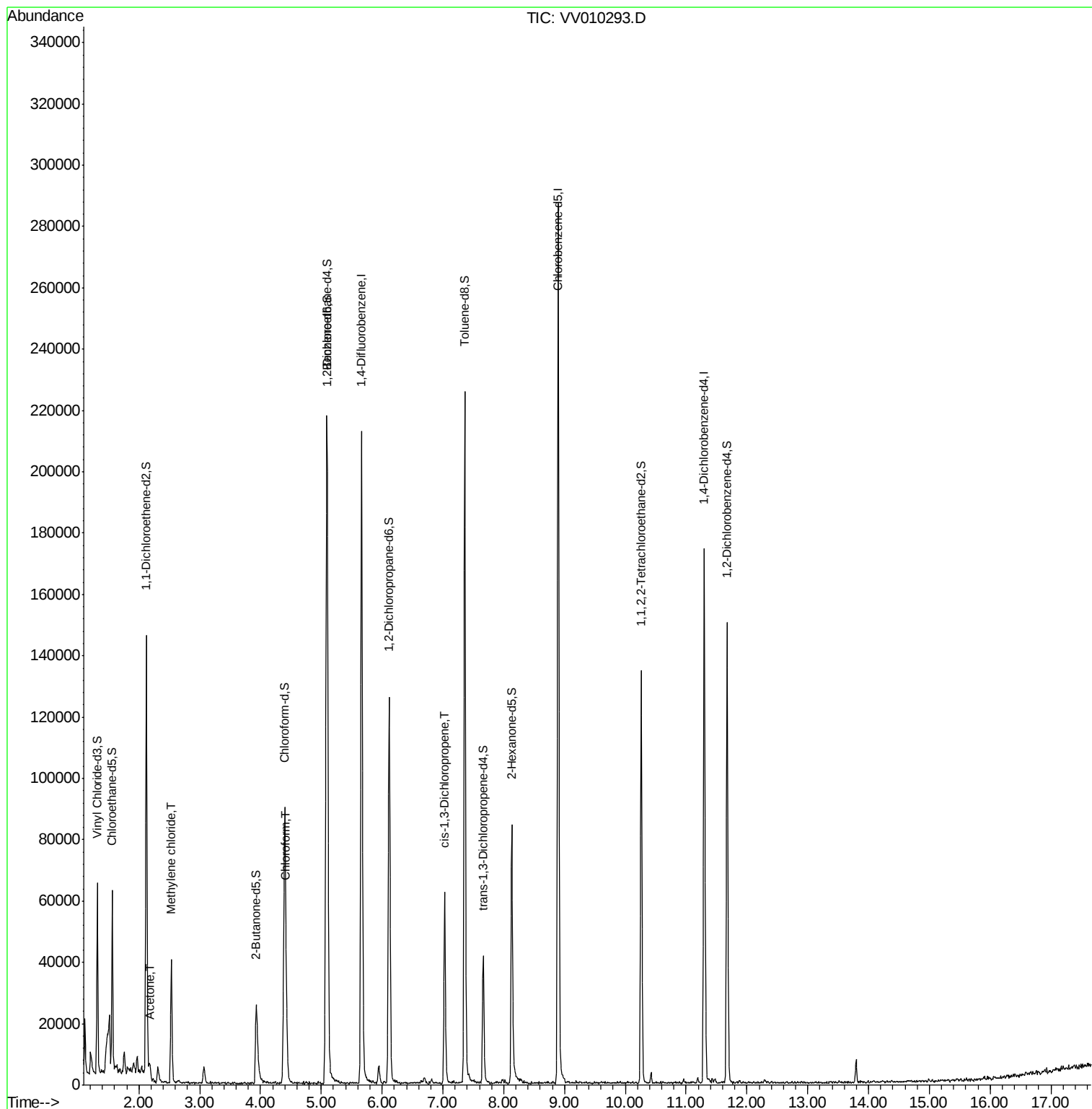
| Target Compounds            |      |    |       |              | Qvalue |
|-----------------------------|------|----|-------|--------------|--------|
| 13) Acetone                 | 2.19 | 43 | 3086  | 5.352 ug/L   | 78     |
| 16) Methylene chloride      | 2.53 | 84 | 16529 | 4.556 ug/L   | 98     |
| 25) Chloroform              | 4.43 | 83 | 12308 | 2.712 ug/L   | 89     |
| 42) cis-1,3-Dichloropropene | 7.03 | 75 | 2064  | 0.679 ug/L # | 70     |

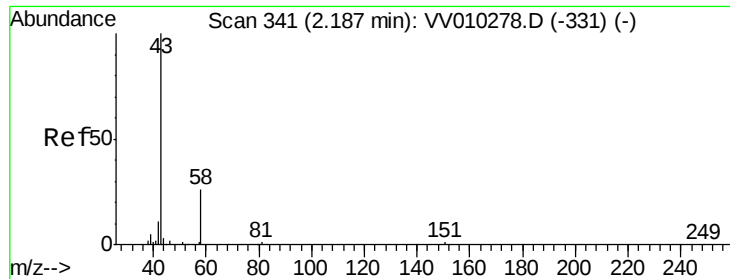
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.352 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010293.D

Acq: 12 Apr 2019 17:41

Instrument :

MSVOA\_V

ClientSampleId :

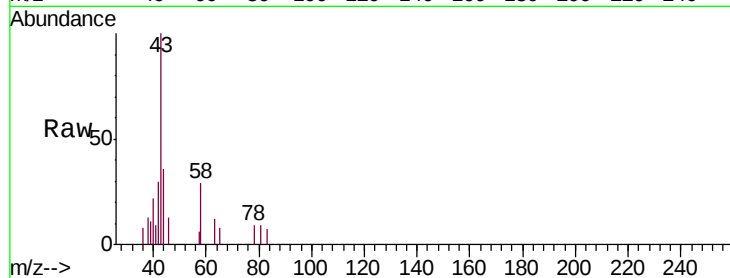
BF895

Tgt Ion: 43 Resp: 3086

Ion Ratio Lower Upper

43 100

58 18.9 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV010278.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010278.D (-331) (-)

2.19

2000

1500

1000

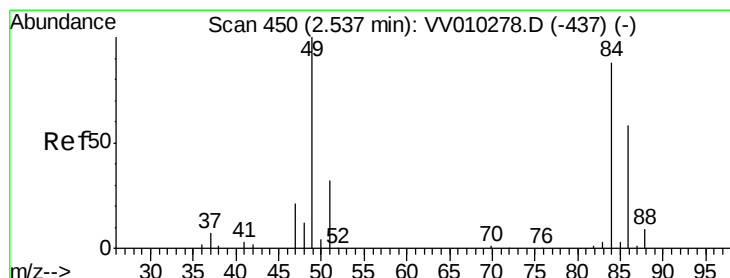
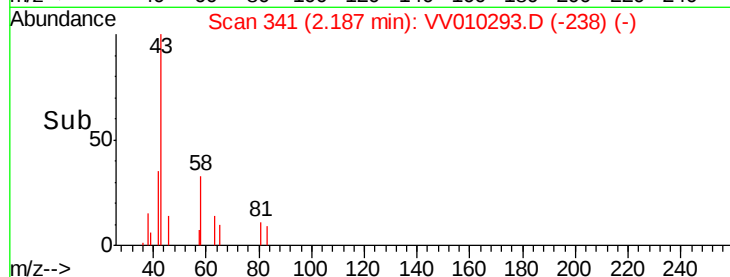
500

0

2.15

2.20

Time-->



#16

Methylene chloride

Concen: 4.556 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

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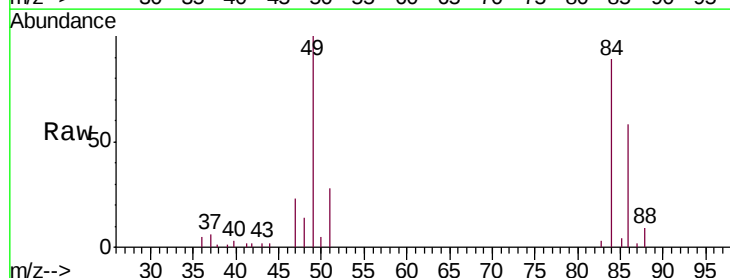
Tgt Ion: 84 Resp: 16529

Ion Ratio Lower Upper

84 100

49 112.6 79.9 148.5

86 65.7 44.5 82.7



Abundance Ion 84.00 (83.70 to 84.70): VV010278.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV010278.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010278.D (-437) (-)

2.53

15000

10000

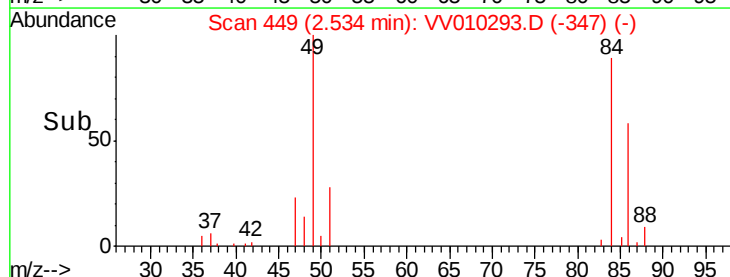
5000

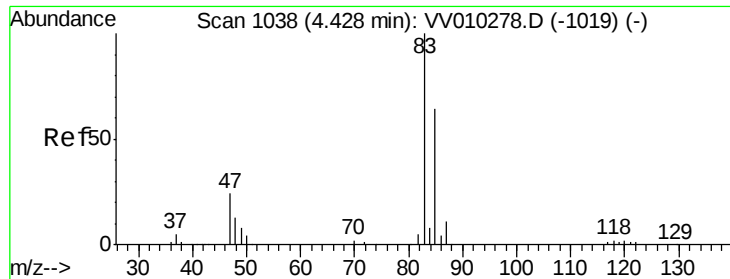
0

2.50

2.55

Time-->

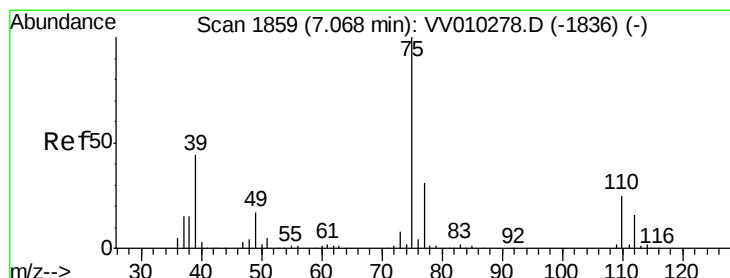
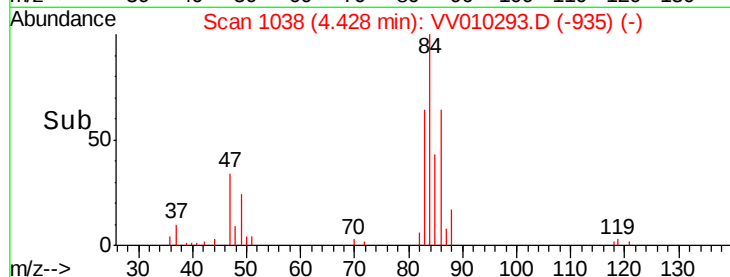
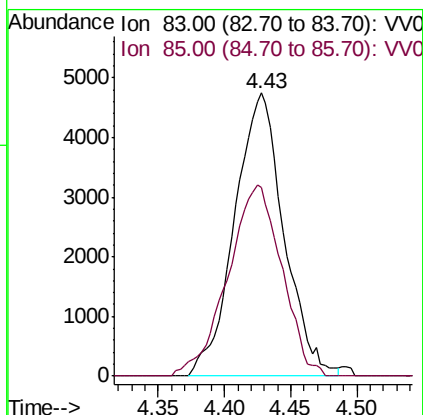
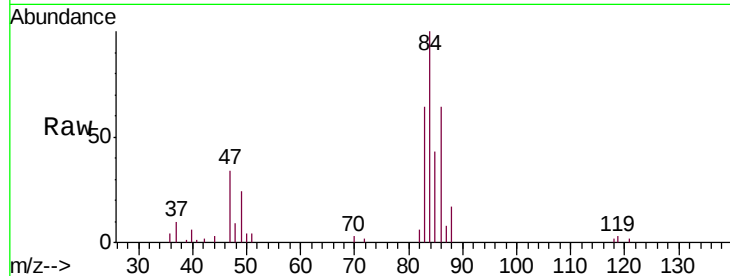




#25  
Chloroform  
Concen: 2.712 ug/L  
RT: 4.43 min Scan# 1038  
Delta R.T. -0.00 min  
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MSVOA\_V  
ClientSampled :  
BF895

Tgt Ion: 83 Resp: 12308  
Ion Ratio Lower Upper  
83 100  
85 73.6 45.4 84.2



#42  
cis-1,3-Dichloropropene  
Concen: 0.679 ug/L  
RT: 7.03 min Scan# 1847  
Delta R.T. -0.04 min  
Lab File: VV010293.D  
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Tgt Ion: 75 Resp: 2064  
Ion Ratio Lower Upper  
75 100  
77 47.9 21.9 40.7#

