

Data File : VV009962.D  
Acq On : 28 Mar 2019 13:29  
Operator : SY/MD  
Sample : K2101-22  
Misc : 5.77G/10mL/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF0L1

Quant Time: Mar 29 02:22:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 29 02:19:37 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 150015   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 146203   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 57111    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 54065    | 17.76    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.04% |
| 7) Chloroethane-d5             | 1.56   | 69    | 66353    | 20.18    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.72% |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 125615   | 15.08    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.32% |
| 20) 2-Butanone-d5              | 3.93   | 46    | 27545    | 48.56    | ug/L | -0.02  |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 97.12% |
| 24) Chloroform-d               | 4.40   | 84    | 73421    | 19.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 76.84% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 53161    | 23.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.44% |
| 29) Benzene-d6                 | 5.10   | 84    | 173319   | 22.57    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 90.28% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 51298    | 22.84    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 91.36% |
| 37) Toluene-d8                 | 7.36   | 98    | 147600   | 20.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 81.24% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 16404    | 17.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 71.40% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 18631    | 44.44    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.88% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 48576    | 21.84    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.36% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 49583    | 22.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.20% |

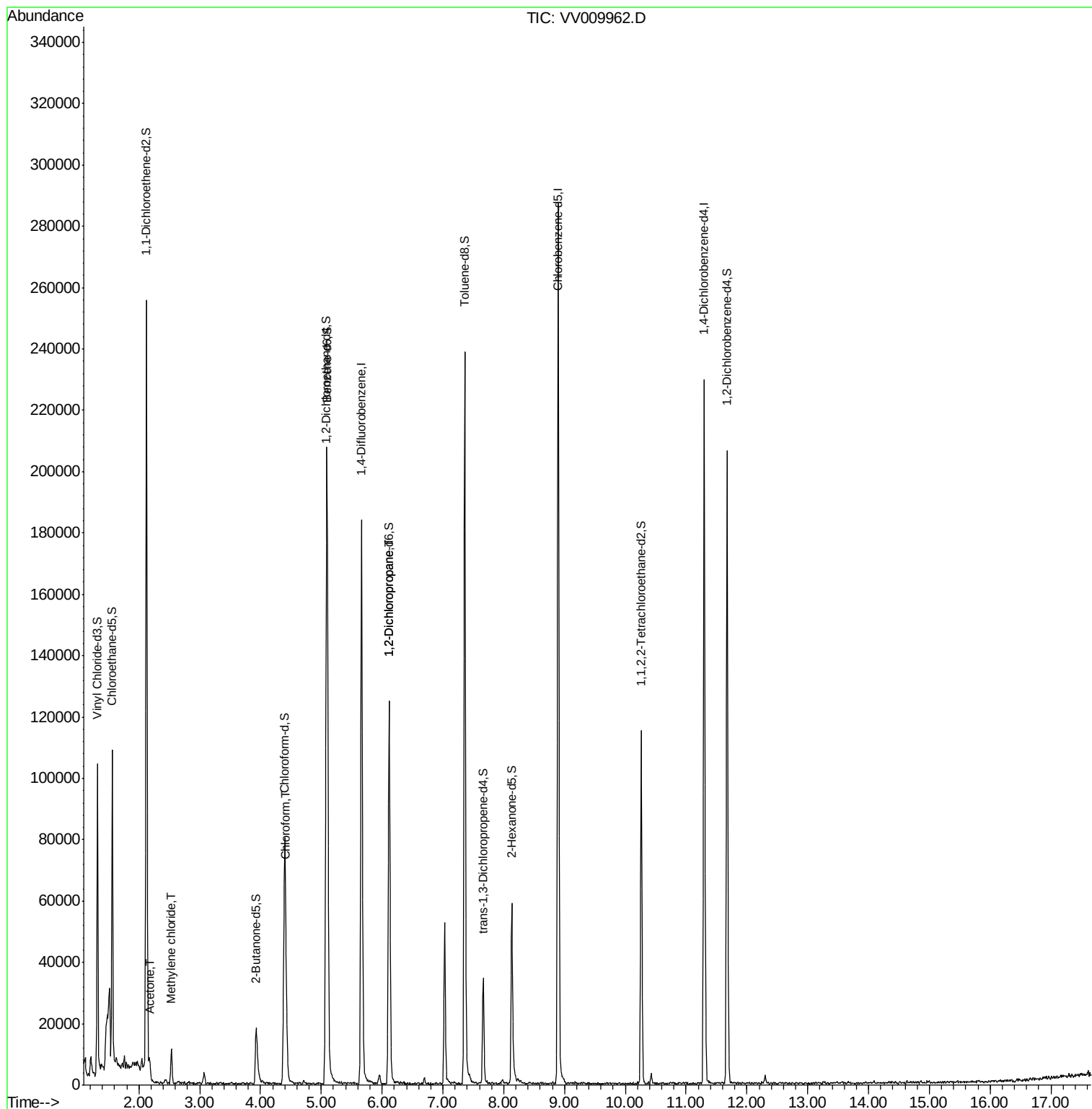
| Target Compounds        |      |    |       |              | Qvalue |
|-------------------------|------|----|-------|--------------|--------|
| 13) Acetone             | 2.19 | 43 | 1096  | 1.276 ug/L   | 83     |
| 16) Methylene chloride  | 2.53 | 84 | 4485  | 1.815 ug/L   | 88     |
| 25) Chloroform          | 4.42 | 83 | 14235 | 3.582 ug/L   | 97     |
| 40) 1,2-Dichloropropane | 6.12 | 63 | 7093  | 3.536 ug/L # | 95     |

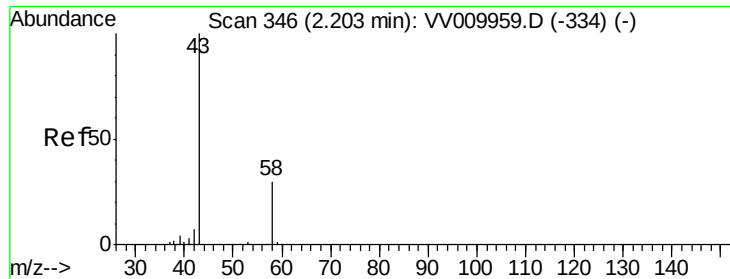
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.276 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

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Acq: 28 Mar 2019 13:29

Instrument :

MSVOA\_V

ClientSampled :

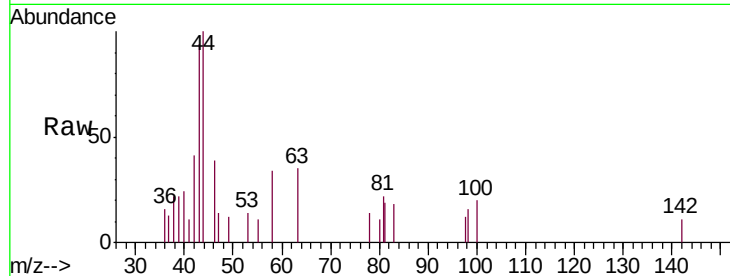
BF0L1

Tgt Ion: 43 Resp: 1096

Ion Ratio Lower Upper

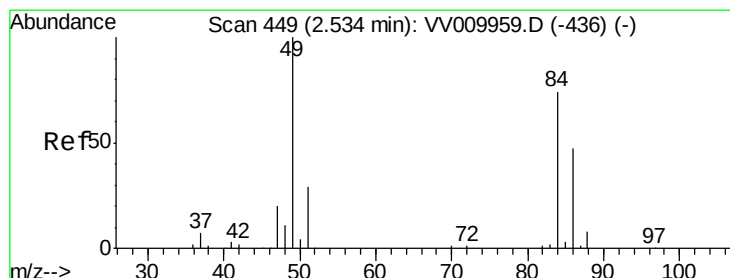
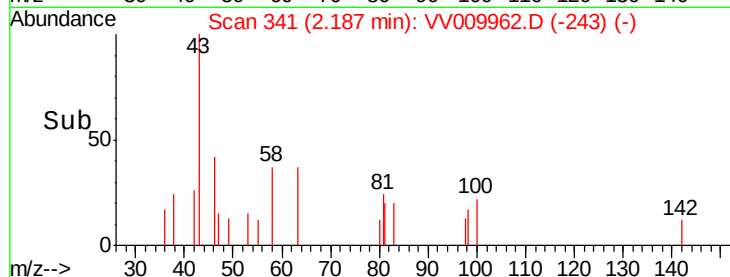
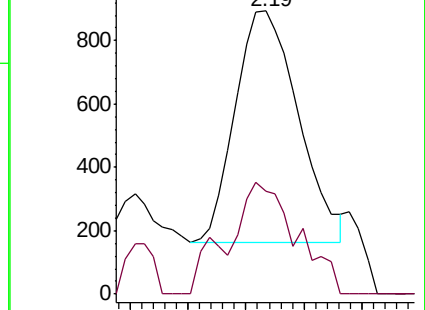
43 100

58 38.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009959.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009959.D (-334) (-)



#16

Methylene chloride

Concen: 1.815 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009962.D

Acq: 28 Mar 2019 13:29

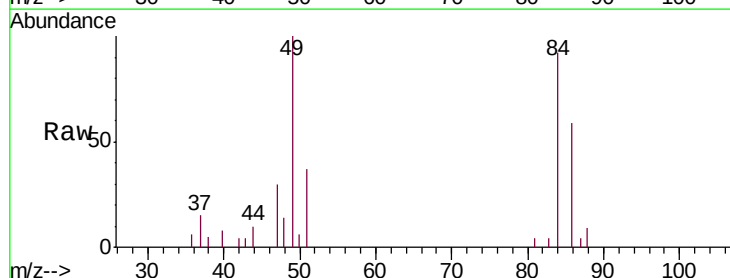
Tgt Ion: 84 Resp: 4485

Ion Ratio Lower Upper

84 100

49 109.0 90.4 167.8

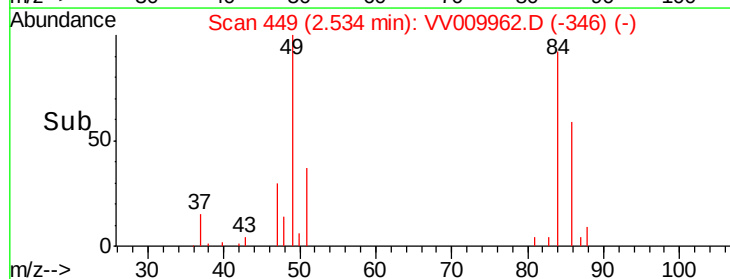
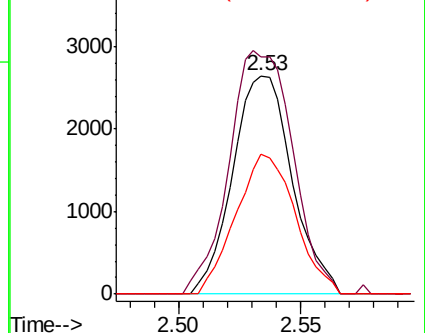
86 63.9 44.0 81.6

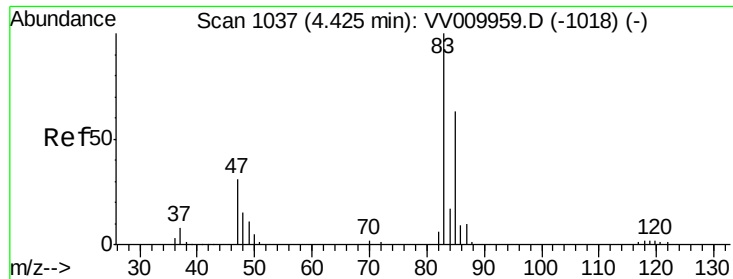


Abundance Ion 84.00 (83.70 to 84.70): VV009959.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009959.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009959.D (-436) (-)

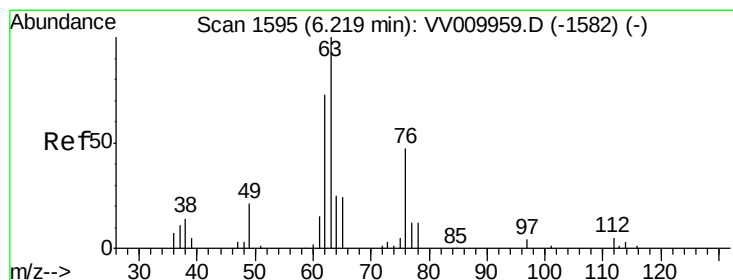
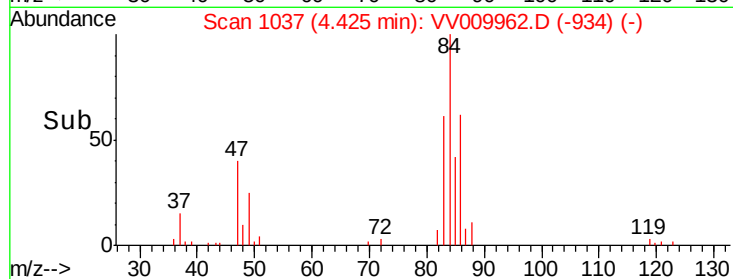
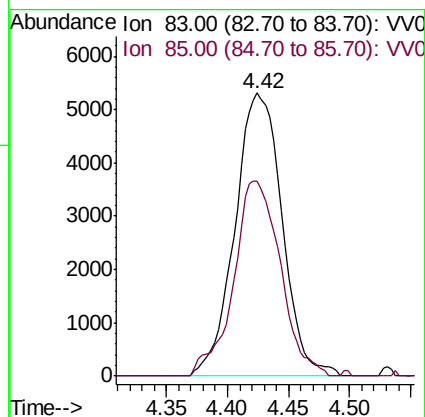
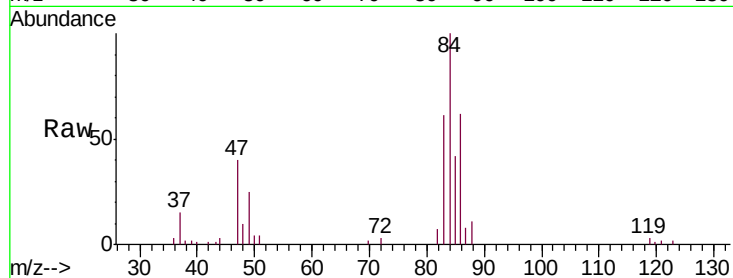




#25  
 Chloroform  
 Concen: 3.582 ug/L  
 RT: 4.42 min Scan# 1037  
 Delta R.T. -0.00 min  
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Tgt Ion: 83 Resp: 14235  
 Ion Ratio Lower Upper  
 83 100  
 85 68.3 46.1 85.7



#40  
 1,2-Dichloropropane  
 Concen: 3.536 ug/L  
 RT: 6.12 min Scan# 1563  
 Delta R.T. -0.10 min  
 Lab File: VV009962.D  
 Acq: 28 Mar 2019 13:29

Tgt Ion: 63 Resp: 7093  
 Ion Ratio Lower Upper  
 63 100  
 112 0.8 2.1 3.1#

