

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
 Data File : VV010382.D  
 Acq On : 19 Apr 2019 12:36  
 Operator : SY/MD  
 Sample : K2402-07  
 Misc : 5.04G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAHH9

Quant Time: Apr 20 04:13:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 20 02:27:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 48621    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 43651    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 21307    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 12063    | 19.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.16%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 11092    | 21.39    | ug/L | 0.03    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.56%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 19608    | 13.16    | ug/L | 0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 52.64%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 6912     | 35.95    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 71.90%  |
| 24) Chloroform-d               | 4.41   | 84    | 29098    | 22.76    | ug/L | 0.01    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.04%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 17490    | 23.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.72%  |
| 29) Benzene-d6                 | 5.10   | 84    | 52241    | 23.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 93.52%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 17038    | 26.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 104.24% |
| 37) Toluene-d8                 | 7.36   | 98    | 45987    | 21.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.64%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 6494     | 20.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.76%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 4779     | 32.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.64%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 16866    | 25.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.16% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 20514    | 24.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.96%  |

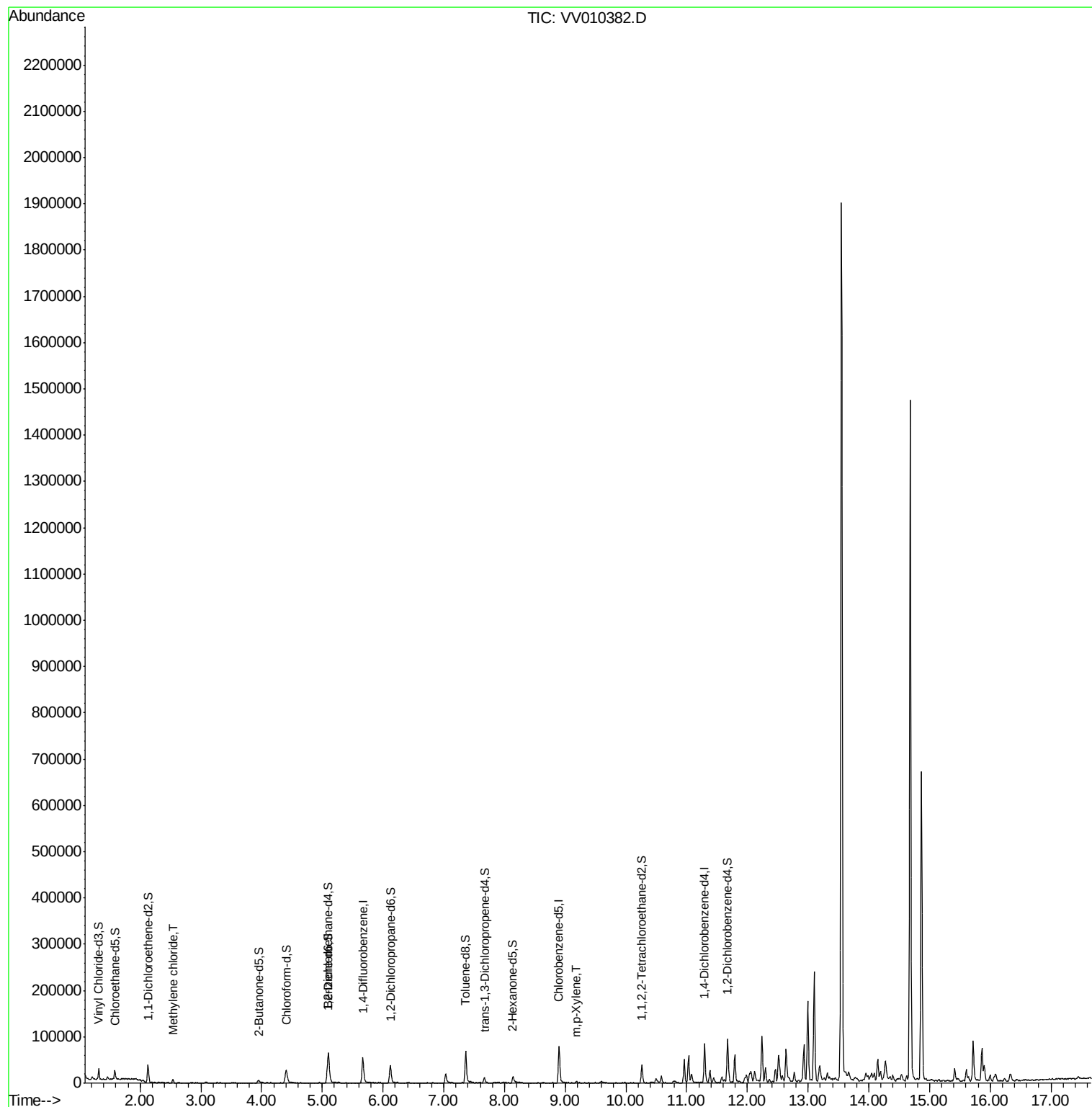
| Target Compounds       |      |     |      |            | Ovalue |
|------------------------|------|-----|------|------------|--------|
| 16) Methylene chloride | 2.54 | 84  | 2526 | 3.253 ug/L | 94     |
| 54) m,p-Xylene         | 9.18 | 106 | 891  | 0.844 ug/L | 98     |

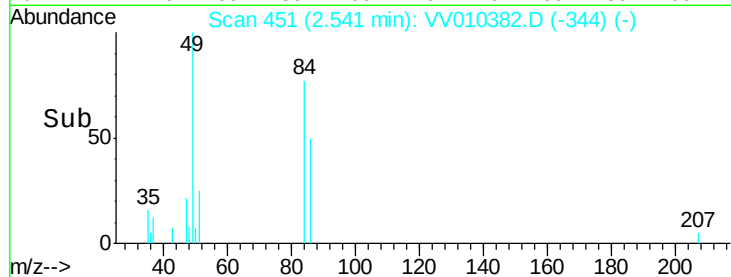
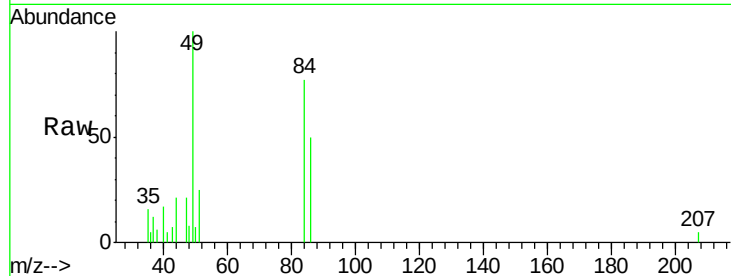
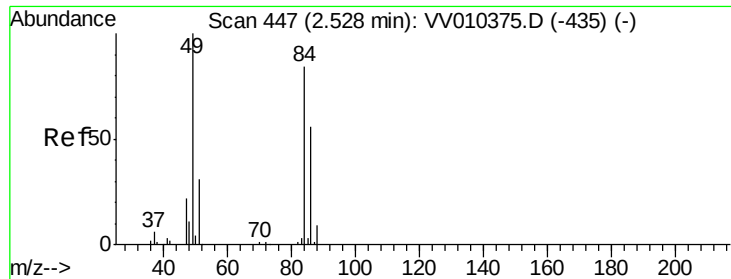
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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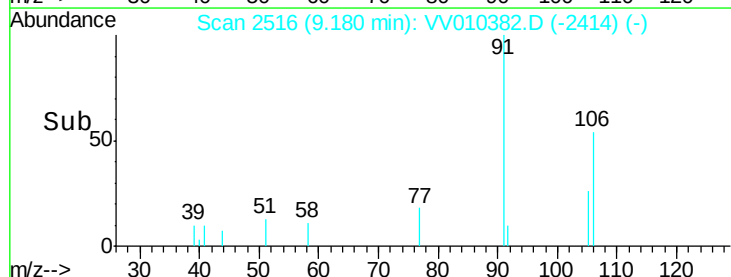
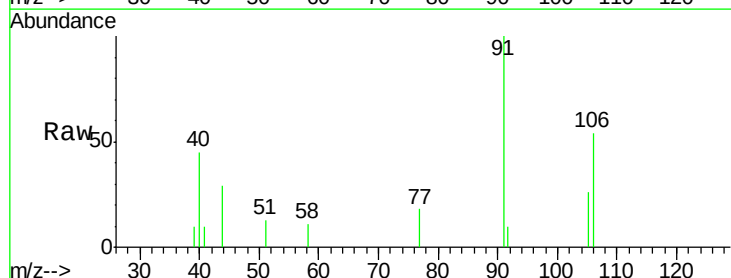
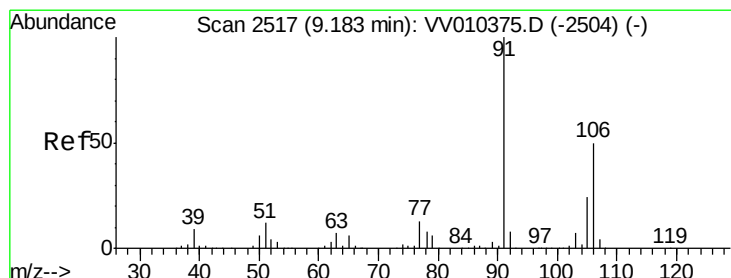
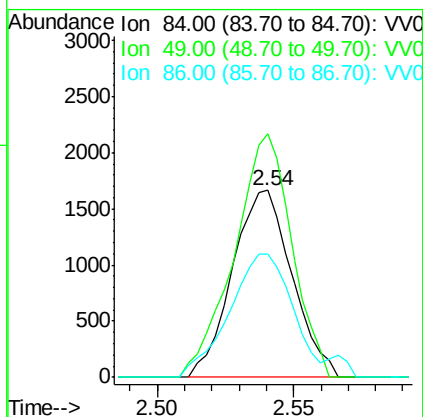




#16  
Methylene chloride  
Concen: 3.253 ug/L  
RT: 2.54 min Scan# 451  
Delta R.T. 0.01 min  
Lab File: VV010382.D  
Acq: 19 Apr 2019 12:36

Instrument :  
MSVOA\_V  
ClientSampled :  
GAHH9

Tot Ion: 84 Resp: 2526  
Ion Ratio Lower Upper  
84 100  
49 130.4 83.8 155.6  
86 65.7 46.1 85.5



#54  
m,p-Xylene  
Concen: 0.844 ug/L  
RT: 9.18 min Scan# 2516  
Delta R.T. -0.00 min  
Lab File: VV010382.D  
Acq: 19 Apr 2019 12:36

Tgt Ion: 106 Resp: 891  
Ion Ratio Lower Upper  
106 100  
91 204.7 141.6 263.0

