

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040519\  
 Data File : VW009725.D  
 Acq On : 05 Apr 2019 11:51  
 Operator : SY/VA  
 Sample : K2246-15  
 Misc : 5.47G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF2Q3

Manual Integrations  
 APPROVED

MMDadoda  
 4/8/2019 3:32:55 AM

Quant Time: Apr 05 13:50:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 05 08:15:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 422894   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 416339   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 181855   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 91948    | 16.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 66.48% |
| 7) Chloroethane-d5             | 2.89   | 69    | 94958    | 18.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.92% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 171944   | 14.45    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.80% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 84001    | 46.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.50% |
| 24) Chloroform-d               | 7.64   | 84    | 246131   | 21.33    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.32% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 159039   | 22.45    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 89.80% |
| 29) Benzene-d6                 | 8.27   | 84    | 452925   | 20.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 82.88% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 145114   | 21.50    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.00% |
| 37) Toluene-d8                 | 10.32  | 98    | 393472   | 19.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 77.88% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 59365    | 18.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.76% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 51381    | 40.38    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.76% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 138251   | 22.03    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.12% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 149053   | 23.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.44% |

| Target Compounds       |       |     |        |       | Ovalue |
|------------------------|-------|-----|--------|-------|--------|
| 16) Methylene chloride | 4.93  | 84  | 16785m | 2.251 | ug/L   |
| 47) Tetrachloroethene  | 10.86 | 164 | 27398  | 5.307 | ug/L   |

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

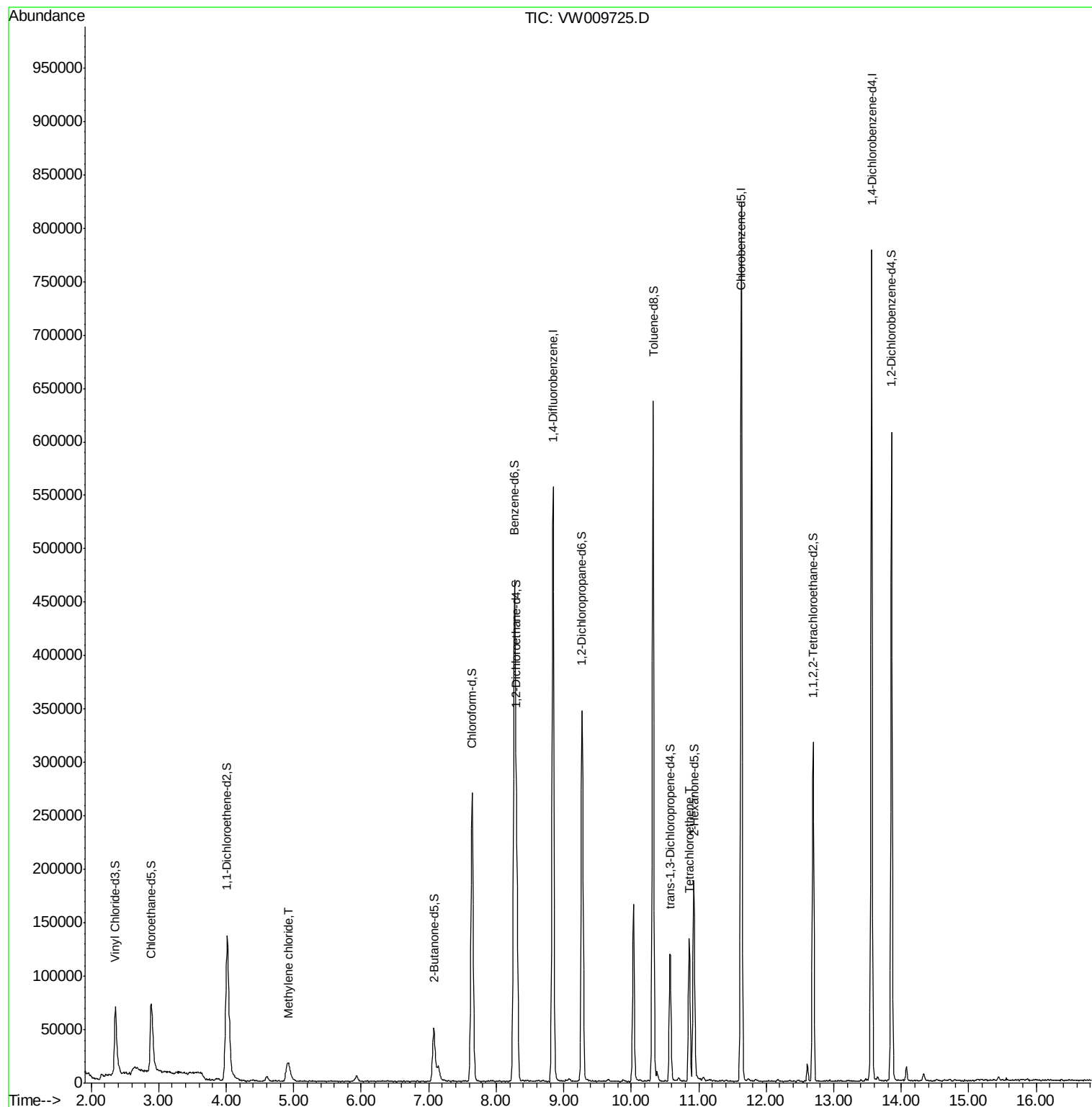
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040519\  
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ALS Vial : 1 Sample Multiplier: 1

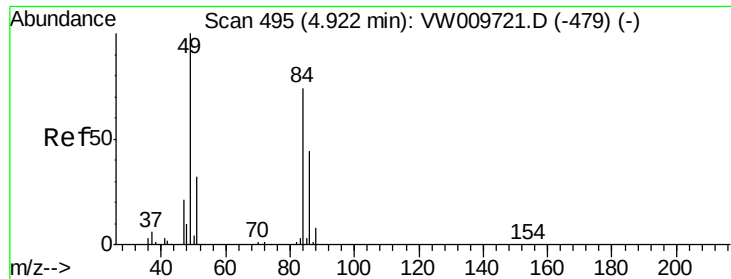
Instrument :  
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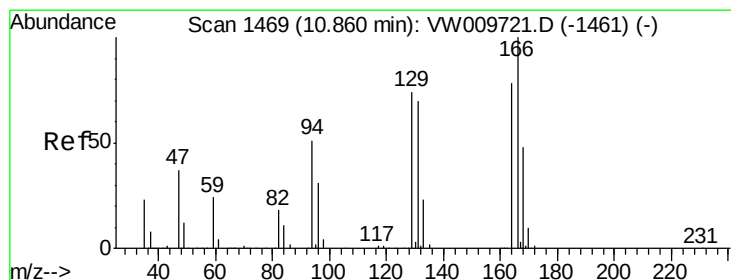
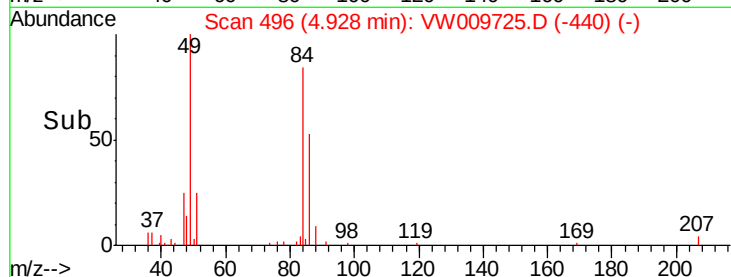
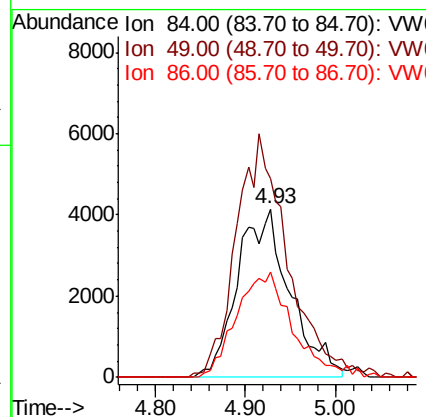
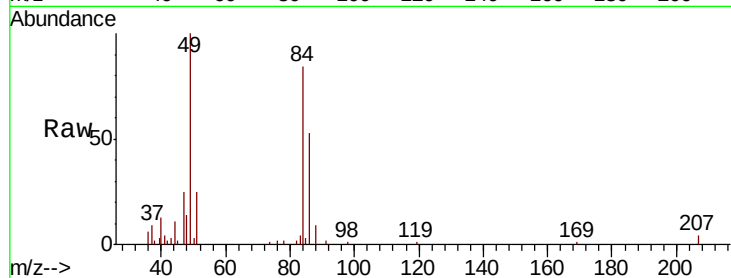
#16  
Methylene chloride  
Concen: 2.251 ug/L m  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW009725.D  
Acq: 05 Apr 2019 11:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF2Q3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 118.4 | 98.3  | 182.5 |
| 86      | 62.8  | 46.4  | 86.2  |

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#47  
Tetrachloroethene  
Concen: 5.307 ug/L  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW009725.D  
Acq: 05 Apr 2019 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 87.8  | 68.9  | 127.9 |
| 131     | 86.2  | 63.1  | 117.1 |
| 166     | 121.0 | 88.5  | 164.4 |

