

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032819\  
 Data File : VV009963.D  
 Acq On : 28 Mar 2019 14:10  
 Operator : SY/MD  
 Sample : K2128-04  
 Misc : 5.20G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF0L9

Manual Integrations  
 APPROVED

MMDadoda  
 3/30/2019 12:41:01 AM

Quant Time: Mar 29 05:28:34 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  | 134091   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 123959   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 44513    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 40963    | 15.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 60.20%  |
| 7) Chloroethane-d5             | 1.55   | 69    | 46739    | 15.90    | ug/L | -0.03   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 63.60%  |
| 10) 1,1-Dichloroethene-d2      | 2.11   | 63    | 135112   | 18.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.60%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 24358m   | 48.04    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 96.08%  |
| 24) Chloroform-d               | 4.39   | 84    | 45825    | 13.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 53.64%  |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 50539    | 24.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.32%  |
| 29) Benzene-d6                 | 5.09   | 84    | 170403   | 26.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 104.72% |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 50007    | 26.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 105.04% |
| 37) Toluene-d8                 | 7.36   | 98    | 149417   | 24.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 97.00%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 16393    | 21.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 84.16%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 16529    | 46.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.00%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 43666    | 23.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 92.64%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 40572    | 23.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.76%  |

| Target Compounds           |      |    |       |            | Ovalue |
|----------------------------|------|----|-------|------------|--------|
| 16) Methylene chloride     | 2.53 | 84 | 5937  | 2.689 ug/L | 100    |
| 22) cis-1,2-Dichloroethene | 3.95 | 96 | 2060  | 1.062 ug/L | # 80   |
| 35) Trichloroethene        | 5.96 | 95 | 3445m | 1.919 ug/L |        |

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

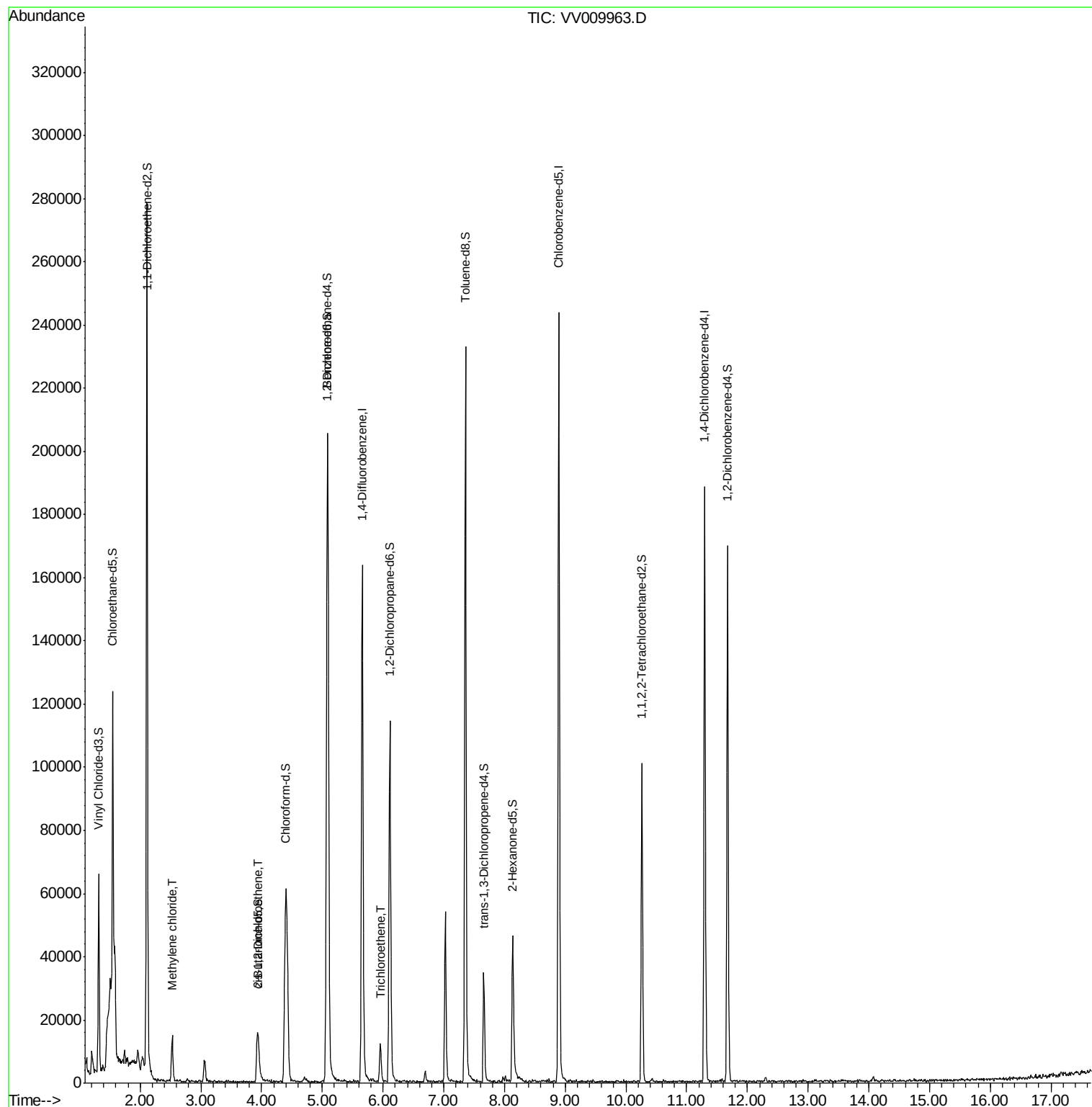
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV032819\  
Data File : VV009963.D  
Acq On : 28 Mar 2019 14:10  
Operator : SY/MD  
Sample : K2128-04  
Misc : 5.20G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

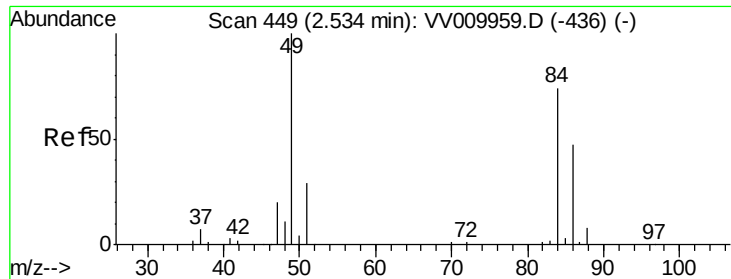
Instrument :  
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ClientSampleId :  
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Quant Time: Mar 29 05:28:34 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 29 02:19:37 2019  
Response via : Initial Calibration





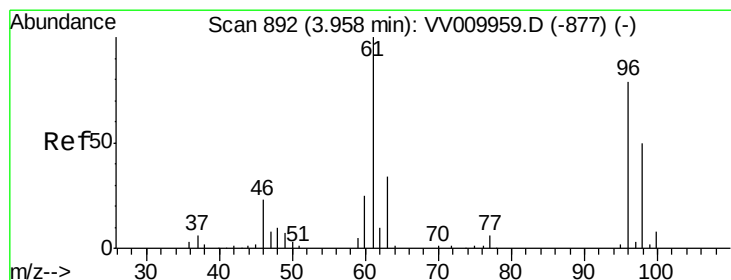
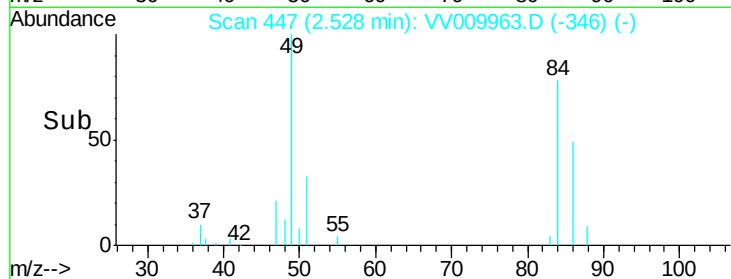
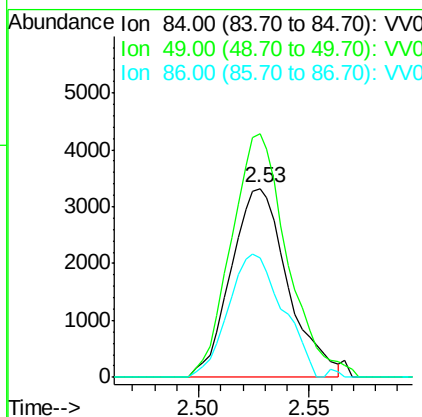
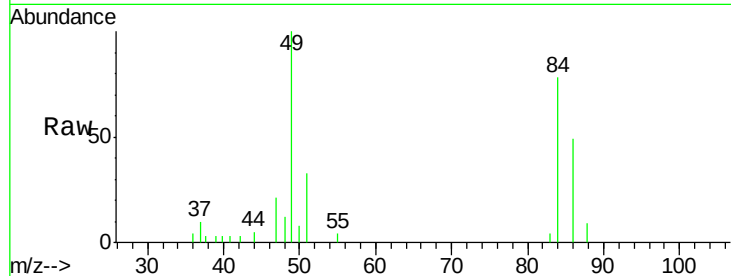
#16  
Methylene chloride  
Concen: 2.689 ug/L  
RT: 2.53 min Scan# 447  
Delta R.T. -0.01 min  
Lab File: VV009963.D  
Acq: 28 Mar 2019 14:10

Instrument :  
MSVOA\_V  
ClientSampled :  
BF0L9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 128.9 | 90.4  | 167.8 |
| 86      | 63.1  | 44.0  | 81.6  |

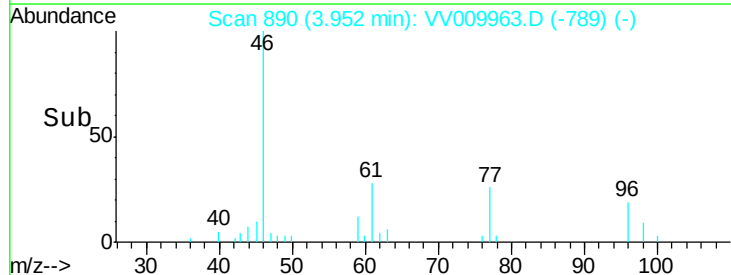
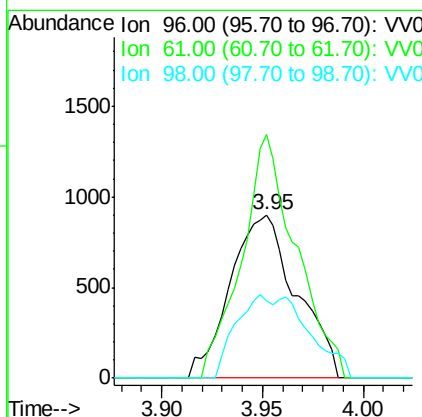
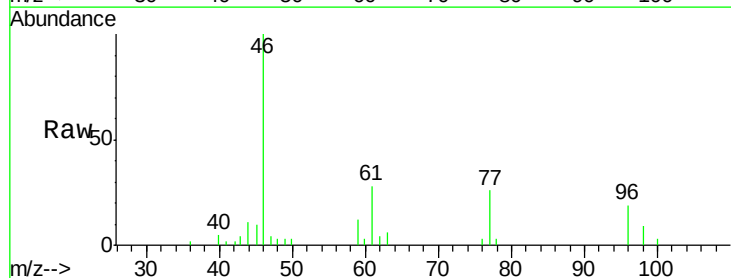
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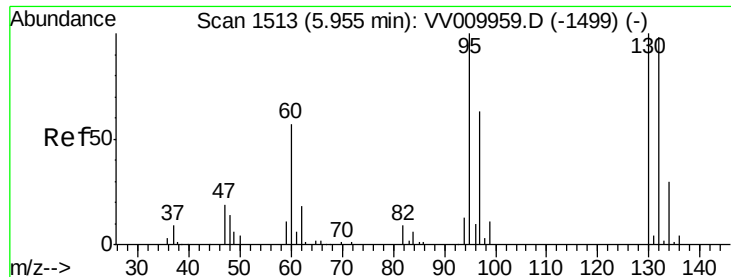
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3/30/2019 12:41:01 AM



#22  
cis-1,2-Dichloroethene  
Concen: 1.062 ug/L  
RT: 3.95 min Scan# 890  
Delta R.T. -0.01 min  
Lab File: VV009963.D  
Acq: 28 Mar 2019 14:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 149.4 | 91.4  | 169.8 |
| 98      | 47.2  | 48.0  | 89.2# |





#35

Trichloroethene

Concen: 1.919 ug/L m

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV009963.D

Acq: 28 Mar 2019 14:10

Instrument :

MSVOA\_V

ClientSampleId :

BF0L9

Tot Ion: 95 Resp: 3445

Ion Ratio Lower Upper

95 100

97 66.6 46.3 85.9

132 93.6 69.3 128.7

130 111.1 69.5 129.1

Manual Integrations

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