

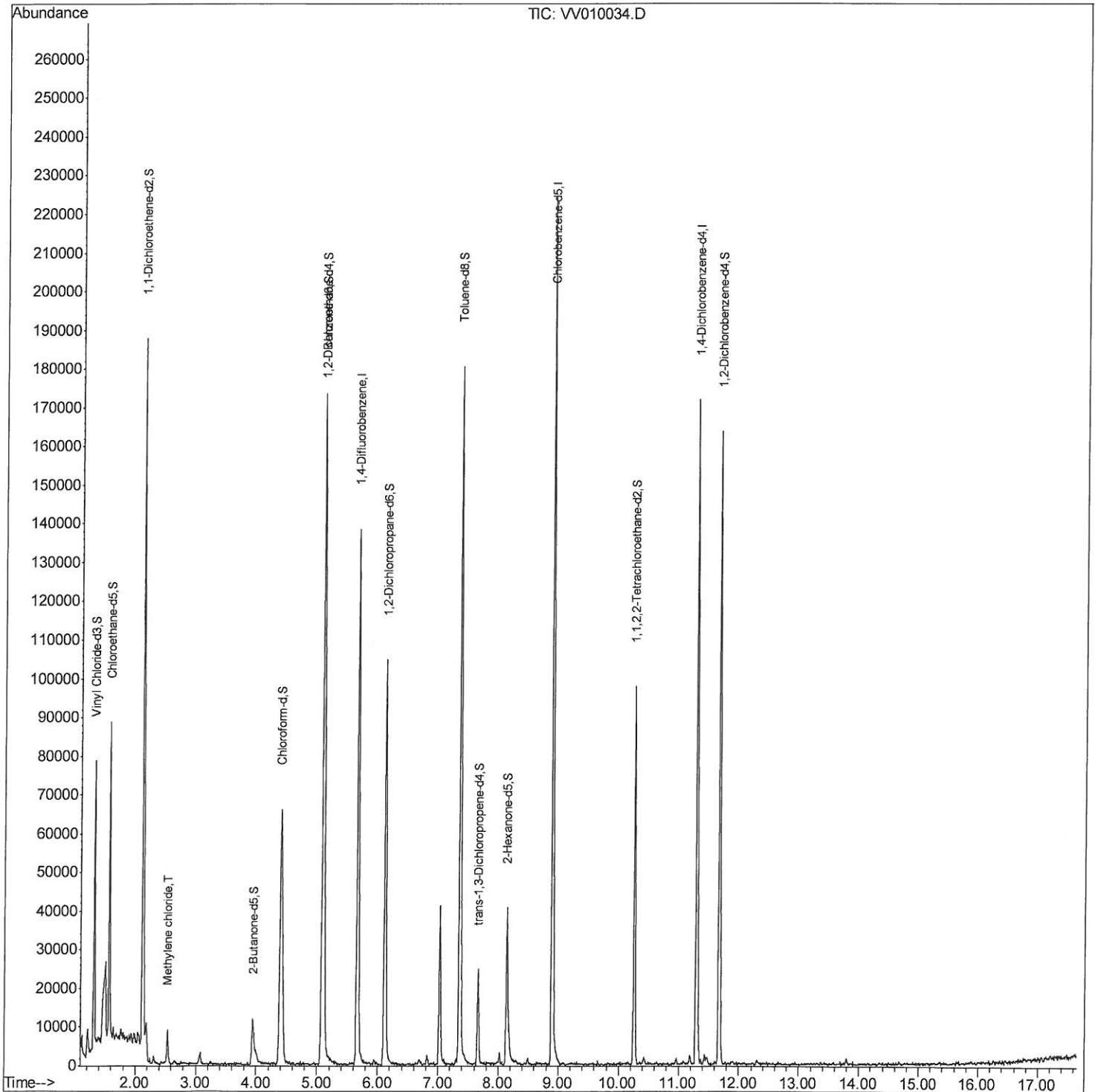
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033019\  
Data File : VV010034.D  
Acq On : 30 Mar 2019 21:34  
Operator : SY/MD  
Sample : K2119-04  
Misc : 4.58G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF5A1

Manual Integrations  
APPROVED

MMDadoda  
4/1/2019 4:01:40 AM

Quant Time: Mar 31 21:20:58 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Mar 30 23:31:11 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

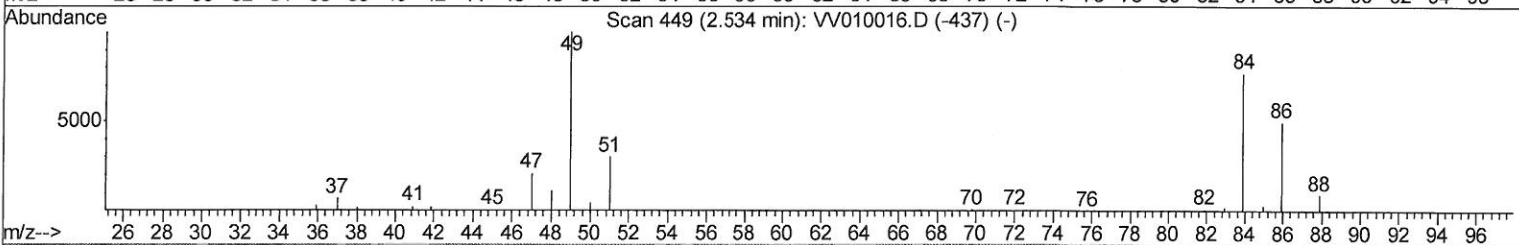
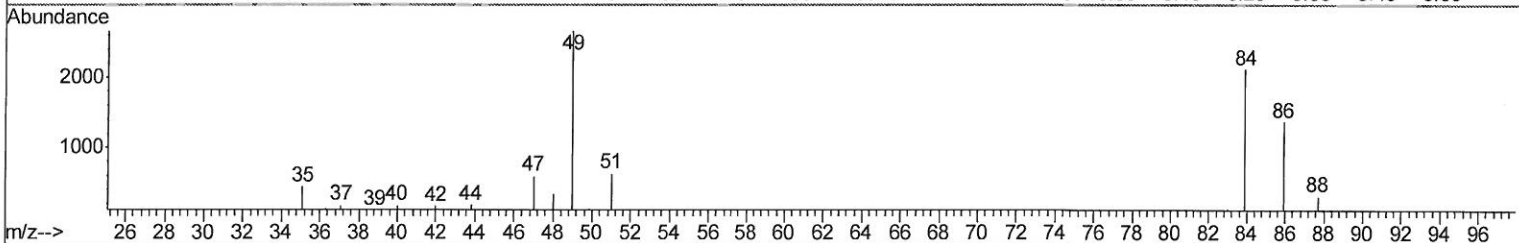
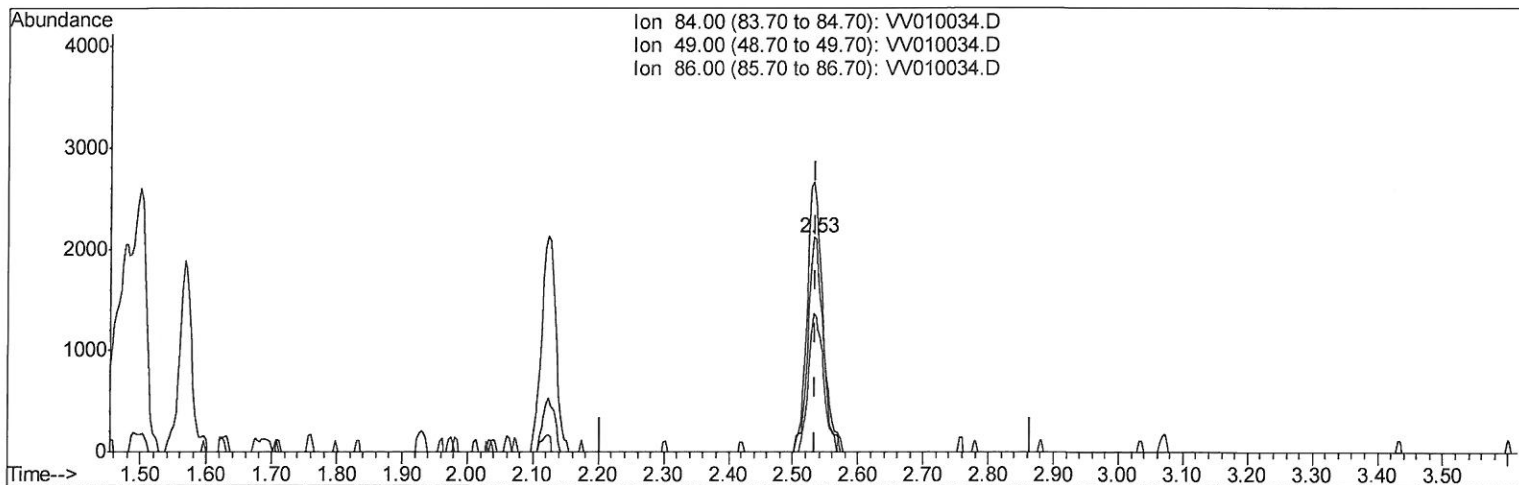
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV033019\  
 Data File : VV010034.D  
 Acq On : 30 Mar 2019 21:34  
 Operator : SY/MD  
 Sample : K2119-04  
 Misc : 4.58G/10mL/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5A1

Manual Integrations  
 APPROVED

MMDadoda  
 4/1/2019 4:01:40 AM

Quant Time: Mar 30 23:36:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 30 23:31:11 2019  
 Response via : Initial Calibration



TIC: VV010034.D

(16) Methylene chloride (T)

2.531min (-0.003) 1.88ug/L m

response 3389

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100    | 100    |
| 49.00 | 129.10 | 125.90 |
| 86.00 | 62.80  | 64.49  |
| 0.00  | 0.00   | 0.00   |

MD  
 4/1/19

# Quantitation Report (Qedit)

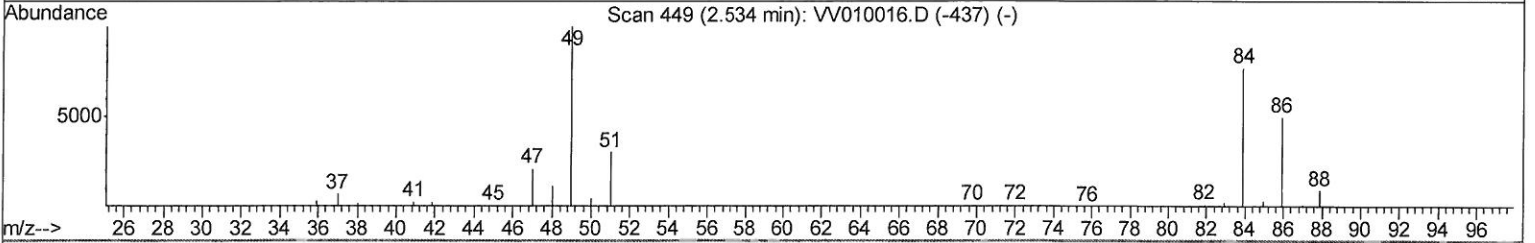
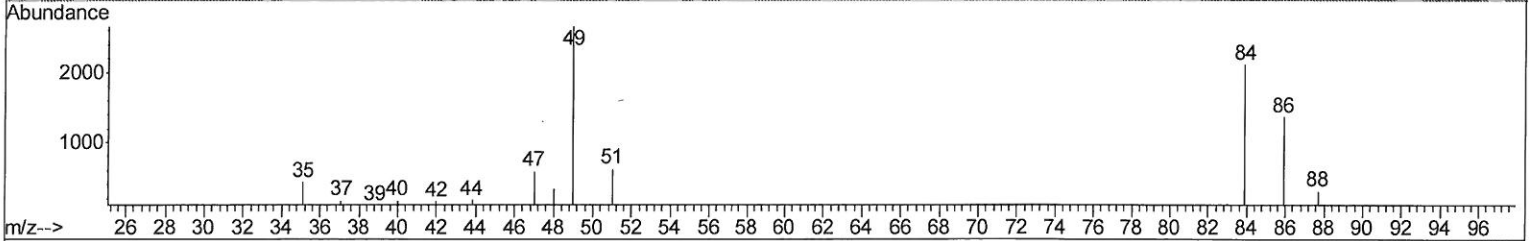
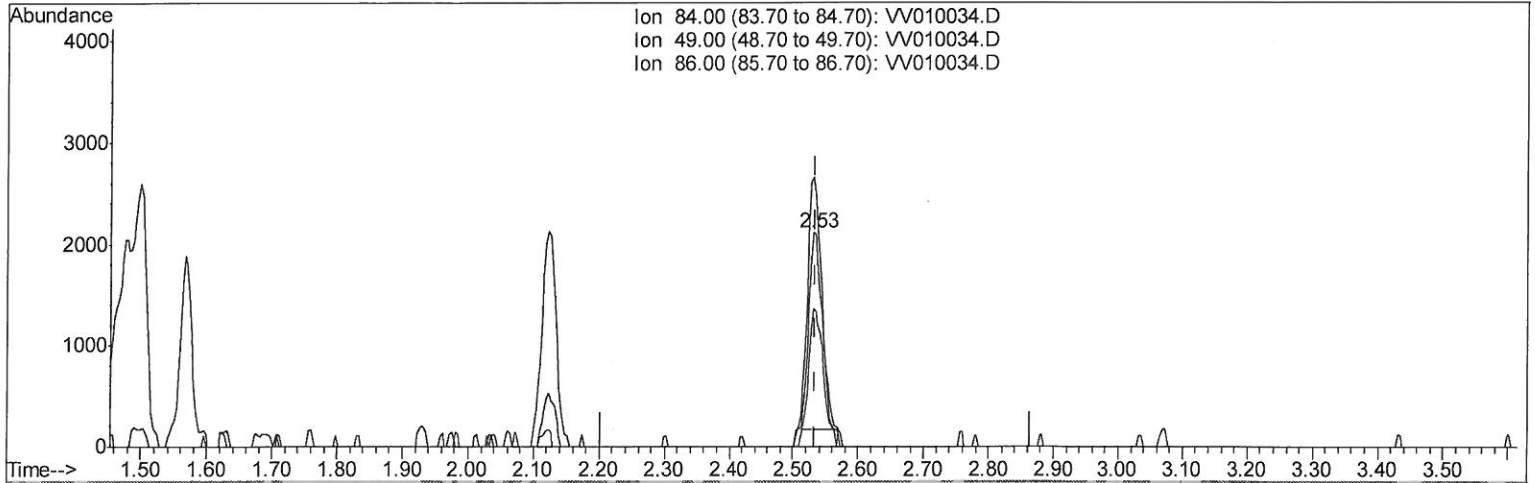
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV033019\  
 Data File : VV010034.D  
 Acq On : 30 Mar 2019 21:34  
 Operator : SY/MD  
 Sample : K2119-04  
 Misc : 4.58G/10mL/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_V  
**ClientSampleId :**  
 BF5A1

**Manual Integrations**  
**APPROVED**

MMDadoda  
 4/1/2019 4:01:40 AM

Quant Time: Mar 30 23:36:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 30 23:31:11 2019  
 Response via : Initial Calibration



TIC: VV010034.D

(16) Methylene chloride (T)

2.531min (-0.003) 1.51ug/L

response 2719

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100    | 100    |
| 49.00 | 129.10 | 125.90 |
| 86.00 | 62.80  | 64.49  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033019\  
 Data File : VV010034.D  
 Acq On : 30 Mar 2019 21:34  
 Operator : SY/MD  
 Sample : K2119-04  
 Misc : 4.58G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5A1

Manual Integrations  
 APPROVED

MMDadoda  
 4/1/2019 4:01:40 AM

Quant Time: Mar 31 21:20:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 30 23:31:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 109345   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 113910   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 43616    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 40138    | 18.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.36%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 49158    | 20.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.04%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 92132    | 15.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.72%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 16490    | 39.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.76%  |
| 24) Chloroform-d               | 4.40   | 84    | 57031    | 20.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 81.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 47262    | 28.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 112.76% |
| 29) Benzene-d6                 | 5.10   | 84    | 138416   | 23.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.56%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 45683    | 26.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 104.40% |
| 37) Toluene-d8                 | 7.36   | 98    | 112655   | 19.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.60%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 11946    | 16.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 66.76%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 12524    | 38.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.68%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 43262    | 24.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 99.88%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 40551    | 24.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.68%  |

| Target Compounds       |      |    |       | Ovalue     |
|------------------------|------|----|-------|------------|
| 16) Methylene chloride | 2.53 | 84 | 3389m | 1.882 ug/L |

7 MD  
 5/13/19

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