

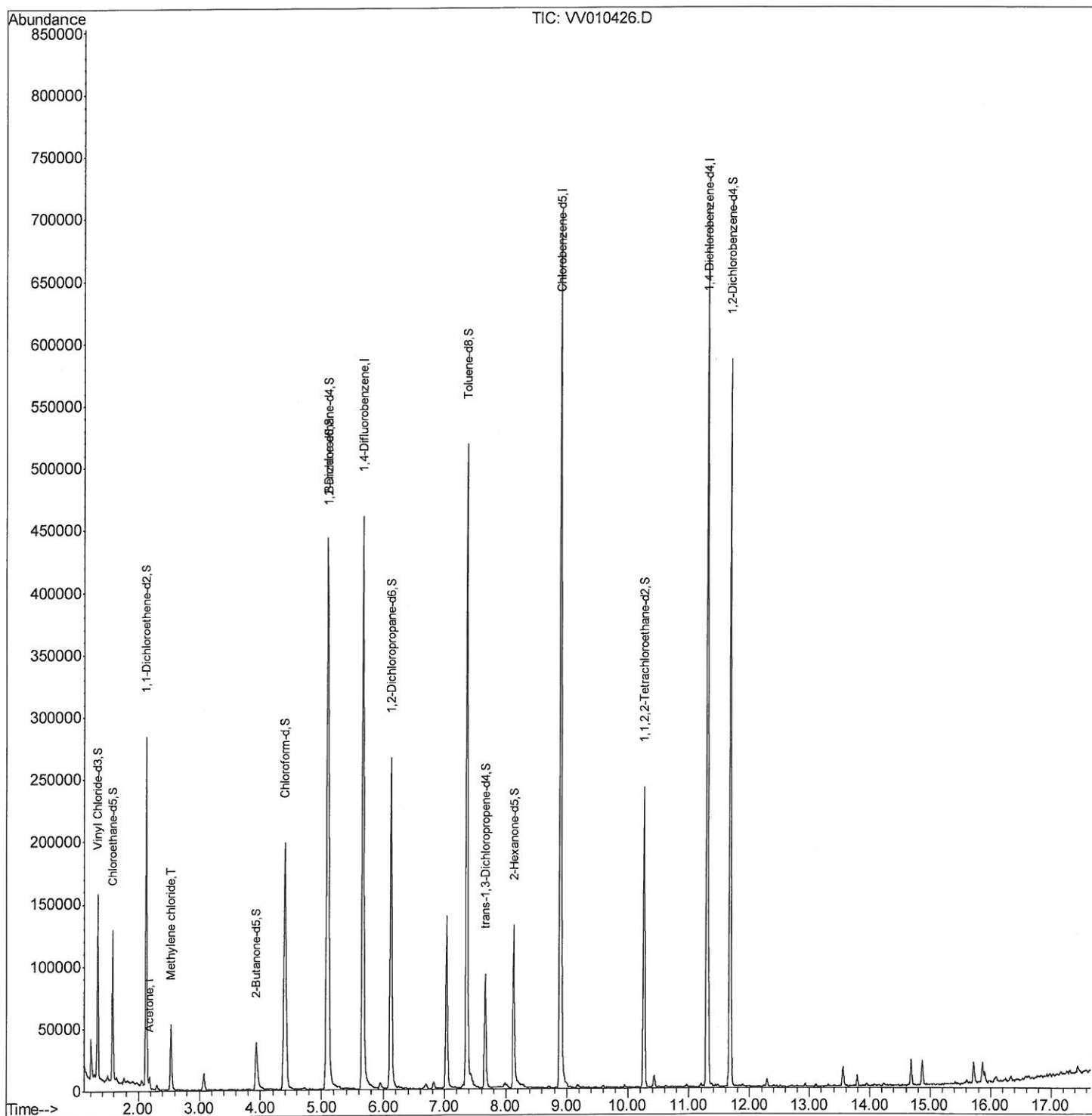
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV042219\  
Quantitation Report (QT Reviewed)  
Data File : VV010426.D  
Acq On : 22 Apr 2019 22:07  
Operator : SY/MD  
Sample : K2456-14  
Misc : 5.03G/10mL/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHN4

Manual Integrations  
APPROVED

MMDadoda  
4/25/2019 9:20:41 AM

Quant Time: Apr 23 07:37:31 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM042219S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 23 06:57:14 2019  
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV042219\  
Quantitation Report (Qedit)

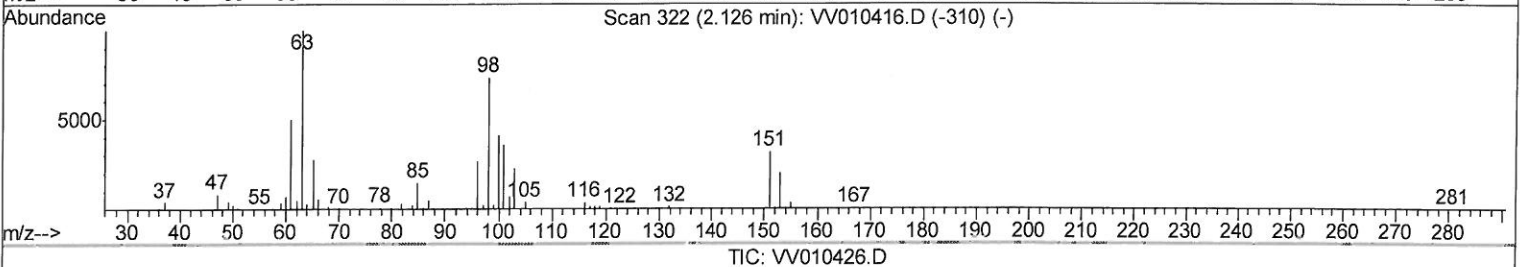
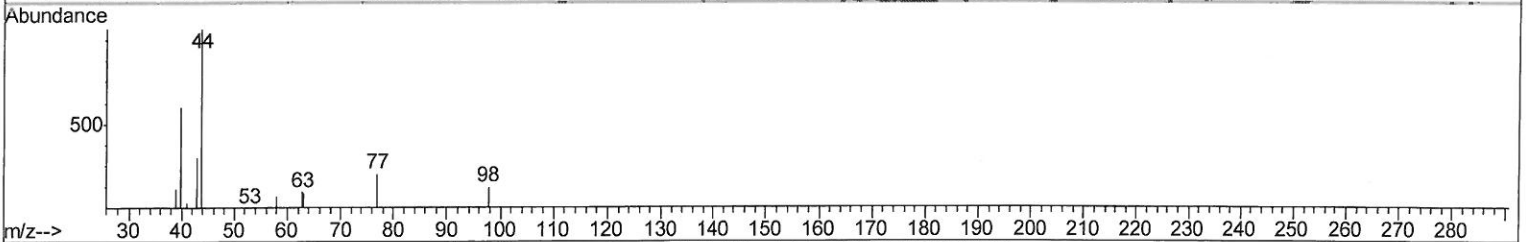
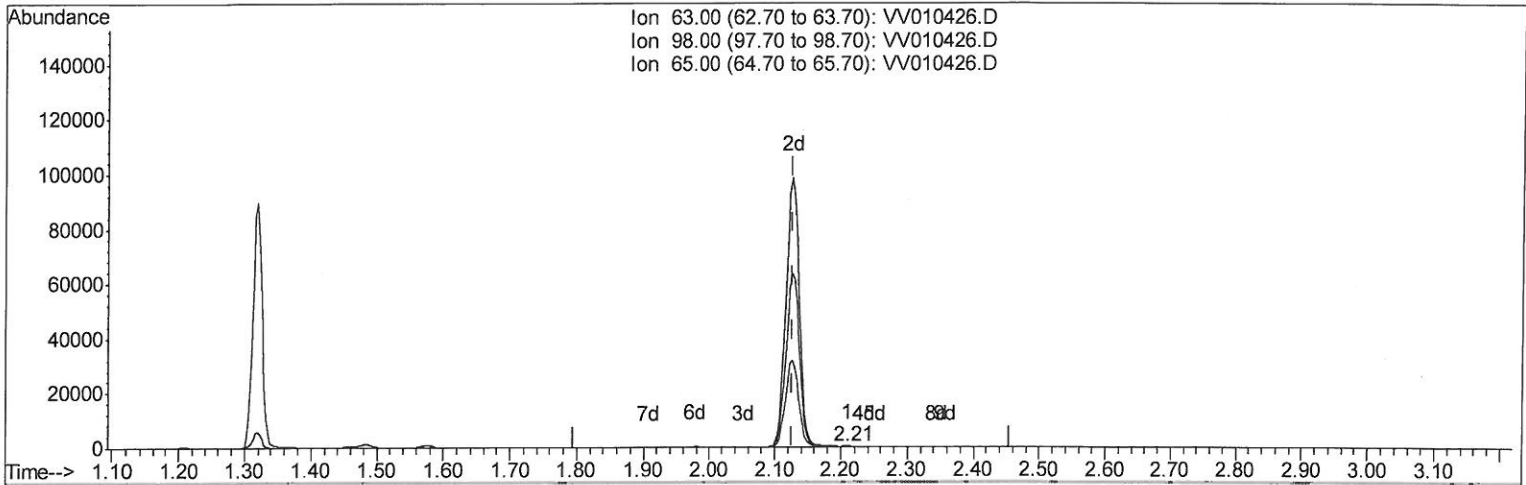
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4/25/2019 9:20:41 AM

Quant Time: Apr 23 07:01:20 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM042219S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 23 06:57:14 2019  
Response via : Initial Calibration



(10) 1,1-Dichloroethene-d2 (S)

2.209min (+0.084) 0.03ug/L

response 304

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 83.30 | 71.71 |
| 65.00 | 24.10 | 23.03 |
| 0.00  | 0.00  | 0.00  |

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Quantitation Report (Qedit)

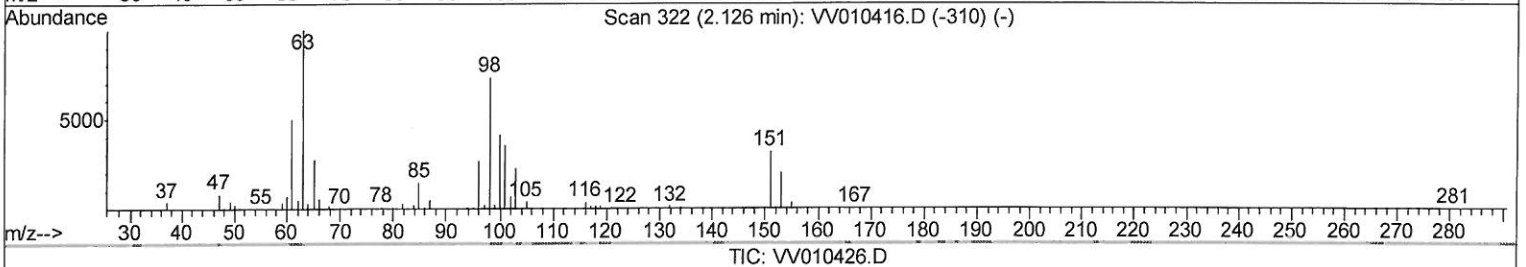
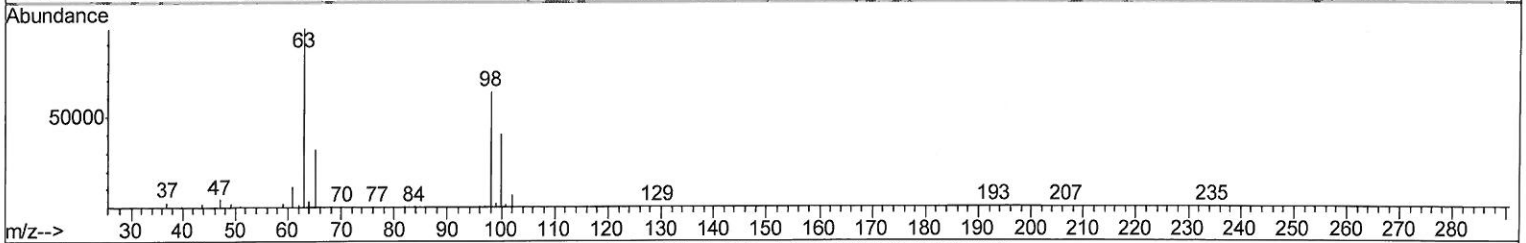
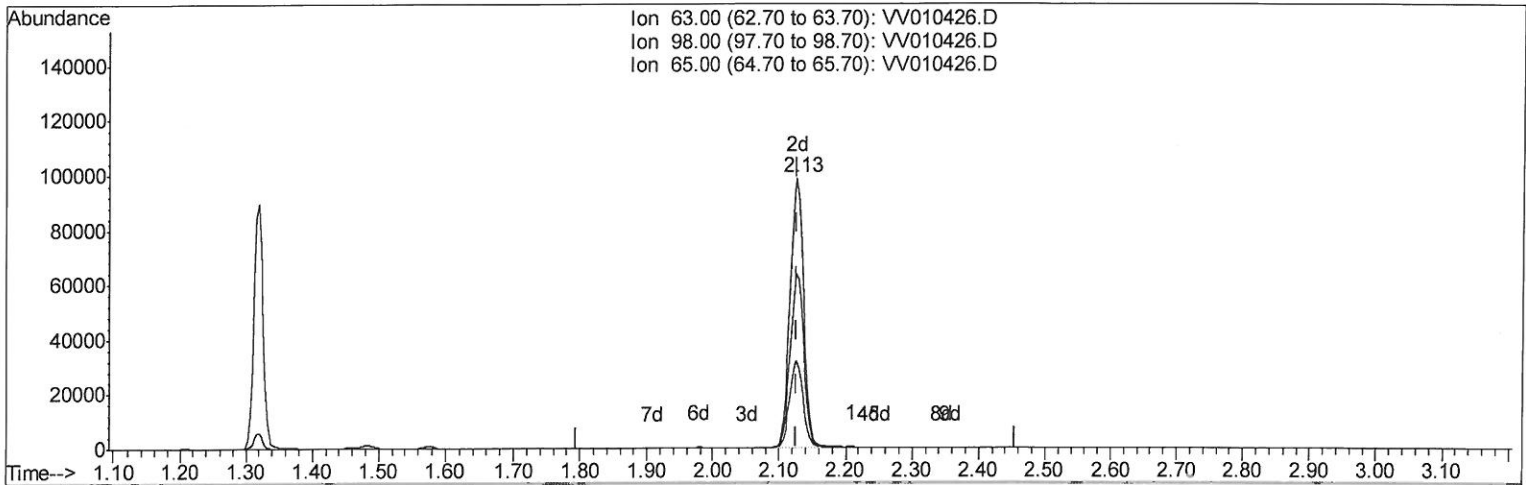
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Manual Integrations  
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MMDadoda  
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Response via : Initial Calibration



(10) 1,1-Dichloroethene-d2 (S)

2.126min (+0.000) 13.61ug/L m

207/28/0954

response 136780

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 83.30 | 0.16# |
| 65.00 | 24.10 | 0.05# |
| 0.00  | 0.00  | 0.00  |

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Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 390661   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 379417   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 187580   | 25.00 | ug/L  | 0.00     |

System Monitoring Compounds

|                                |                |     |            |        |      |      |
|--------------------------------|----------------|-----|------------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.32           | 65  | 85819      | 15.94  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 63.76% |      |      |
| 7) Chloroethane-d5             | 1.58           | 69  | 78679      | 18.79  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 75.16% |      |      |
| 10) 1,1-Dichloroethene-d2      | 2.13           | 63  | 136780m    | 13.61  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 110 |     | Recovery = | 54.44% |      |      |
| 20) 2-Butanone-d5              | 3.93           | 46  | 57856      | 45.97  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 91.94% |      |      |
| 24) Chloroform-d               | 4.40           | 84  | 191950     | 20.11  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 40 - 150 |     | Recovery = | 80.44% |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.08           | 65  | 127121     | 21.71  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 130 |     | Recovery = | 86.84% |      |      |
| 29) Benzene-d6                 | 5.10           | 84  | 371083     | 21.18  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 20 - 135 |     | Recovery = | 84.72% |      |      |
| 33) 1,2-Dichloropropane-d6     | 6.12           | 67  | 116534     | 22.55  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 120 |     | Recovery = | 90.20% |      |      |
| 37) Toluene-d8                 | 7.36           | 98  | 354138     | 19.63  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 130 |     | Recovery = | 78.52% |      |      |
| 38) trans-1,3-Dichloropropene- | 7.66           | 79  | 50401      | 19.81  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 135 |     | Recovery = | 79.24% |      |      |
| 39) 2-Hexanone-d5              | 8.13           | 63  | 43991      | 42.86  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 85.72% |      |      |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26          | 84  | 103273     | 20.51  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 120 |     | Recovery = | 82.04% |      |      |
| 61) 1,2-Dichlorobenzene-d4     | 11.67          | 152 | 152527     | 21.40  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 75 - 120 |     | Recovery = | 85.60% |      |      |

| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.19 | 43 | 3391  | 2.514 ug/L | 85     |
| 16) Methylene chloride | 2.53 | 84 | 20636 | 3.602 ug/L | 97     |

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