

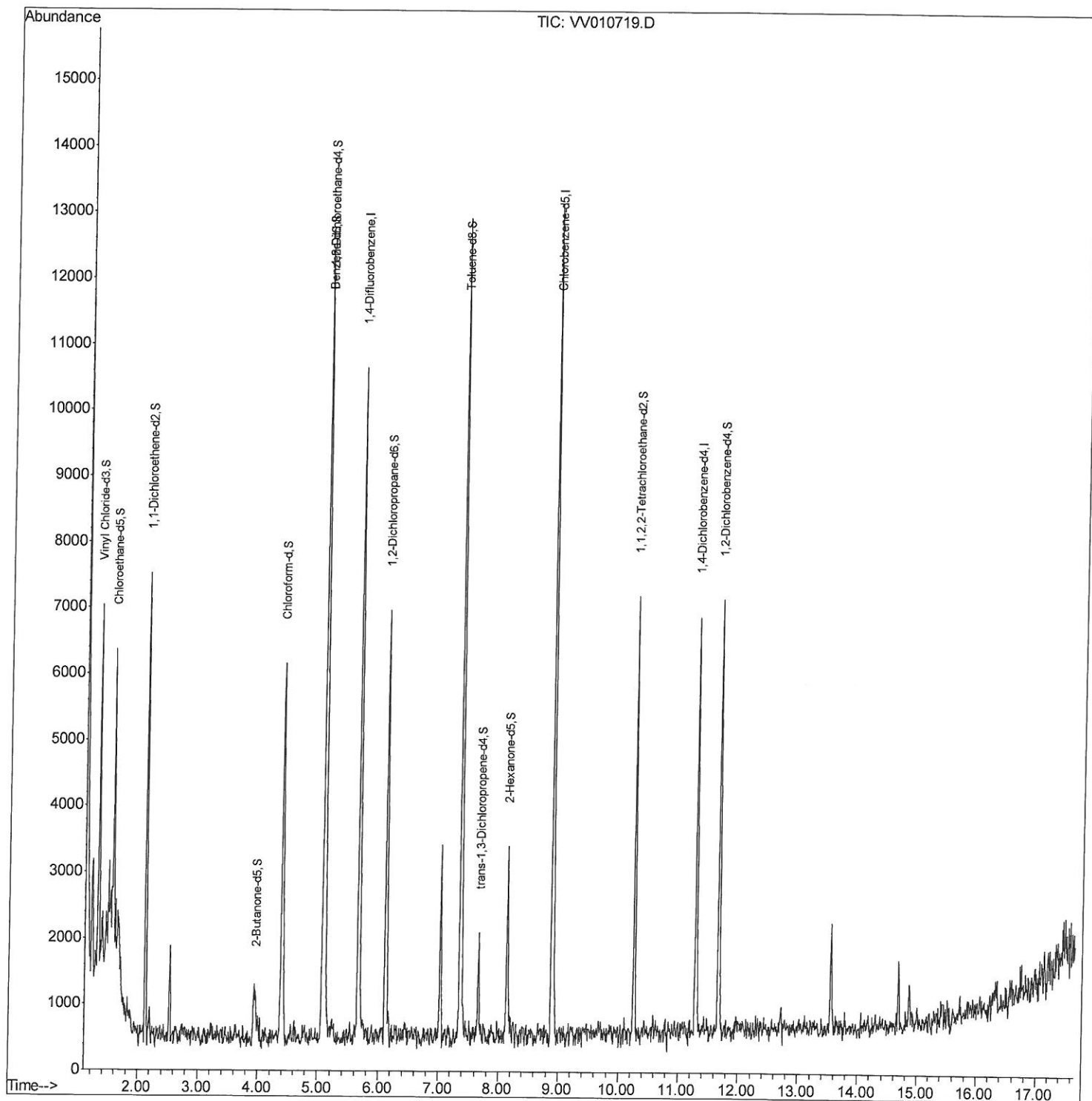
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV050719\  
Quantitation Report (QT Reviewed)  
Data File : VV010719.D  
Acq On : 08 May 2019 09:12  
Operator : SY/MD  
Sample : K2690-21  
Misc : 5.25G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampled :  
A5167

Quant Time: May 09 02:36:49 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050719S.M  
Quant Title : VOC Analysis  
QLast Update : Thu May 09 02:24:26 2019  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
5/13/2019 3:46:17 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV050719\  
Quantitation Report (Qedit)

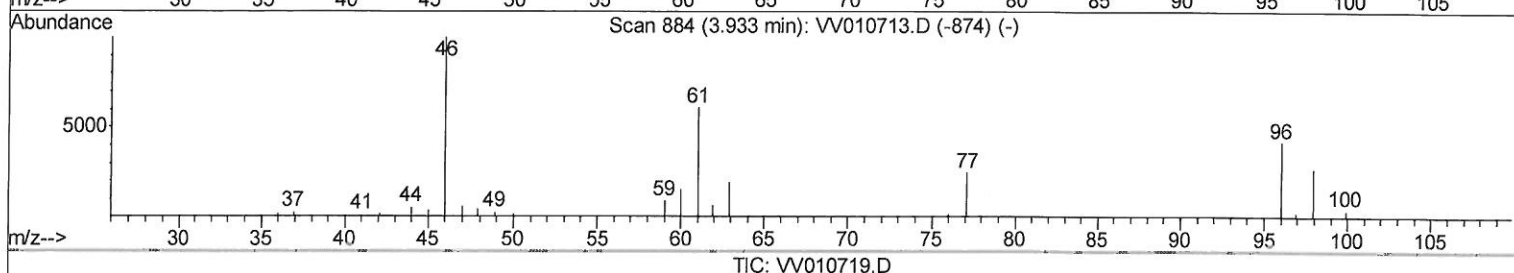
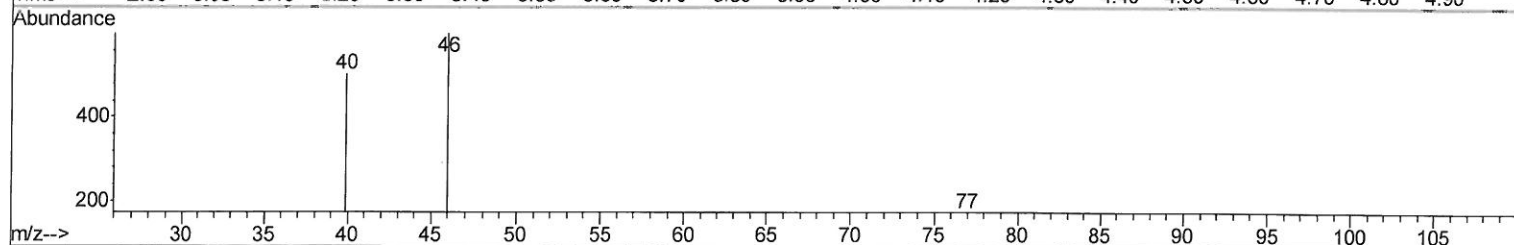
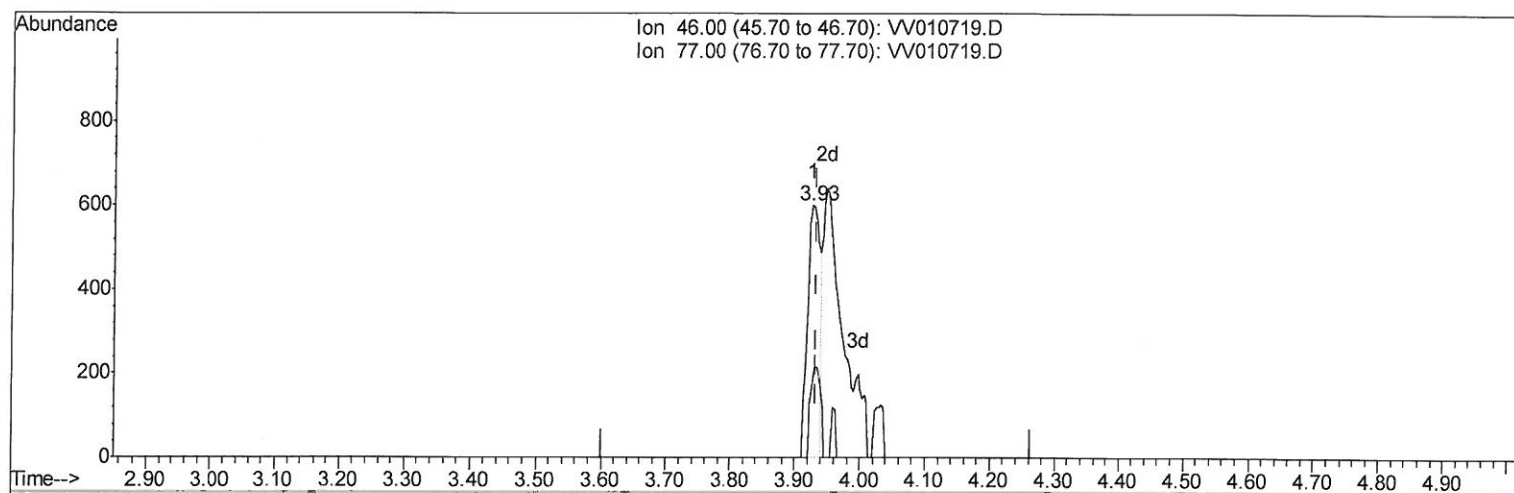
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(20) 2-Butanone-d5 (S)

3.926min (-0.006) 18.72ug/L

response 781

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 46.00 | 100   | 100    |
| 77.00 | 22.40 | 29.83# |
| 0.00  | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

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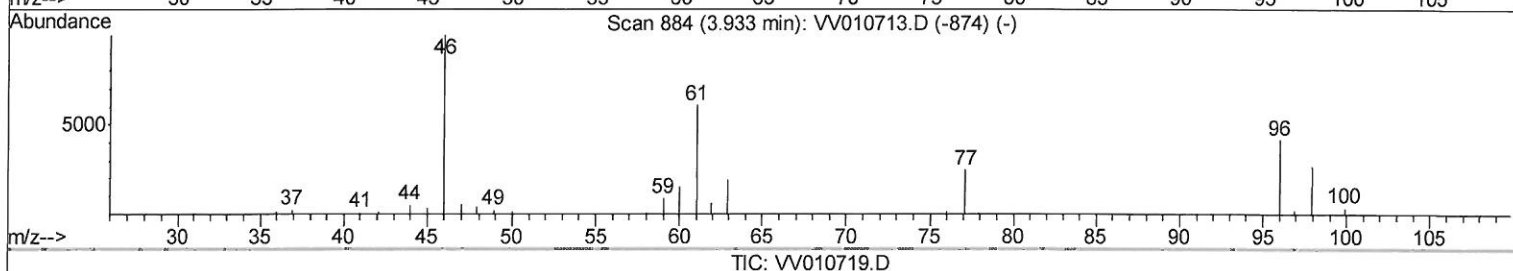
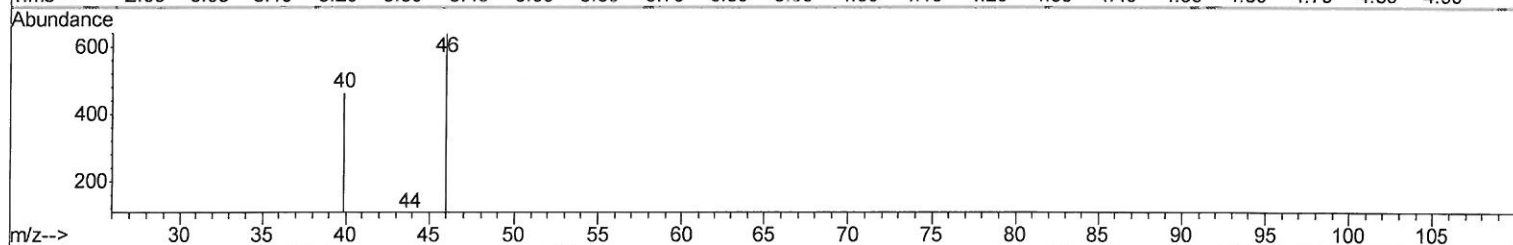
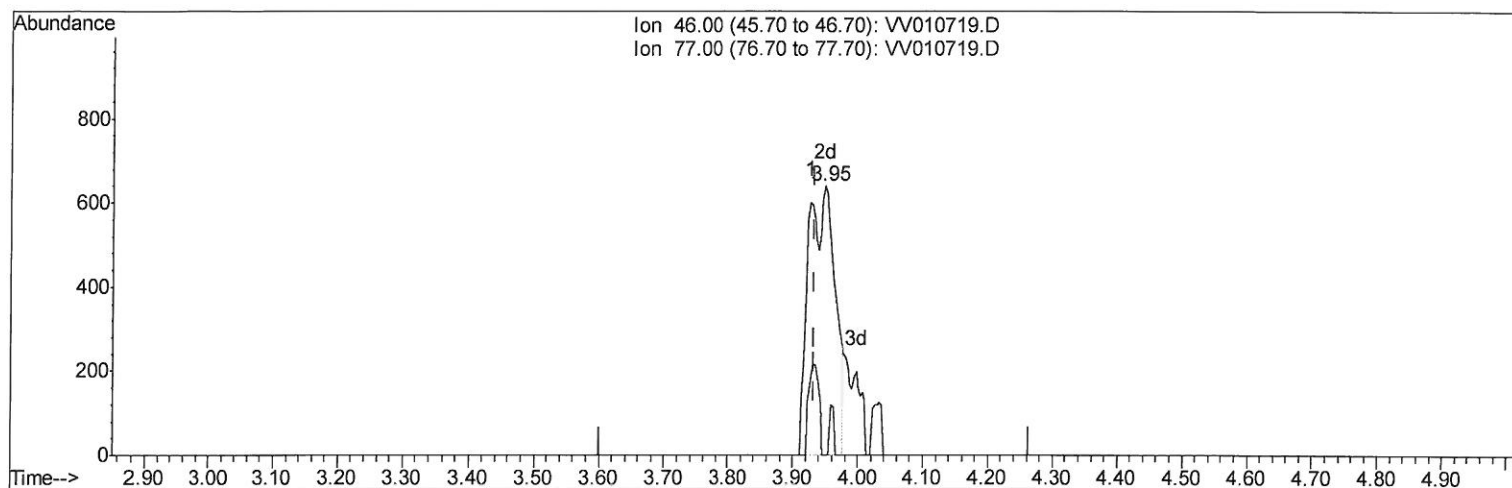
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Instrument :  
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Client Sampled :  
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TIC: VV010719.D

(20) 2-Butanone-d5 (S)

3.949min (+0.016) 42.50ug/L m

response 1773

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 46.00 | 100   | 100    |
| 77.00 | 22.40 | 13.14# |
| 0.00  | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

05/09/19 Sy

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV050719\  
Quantitation Report (Qedit)

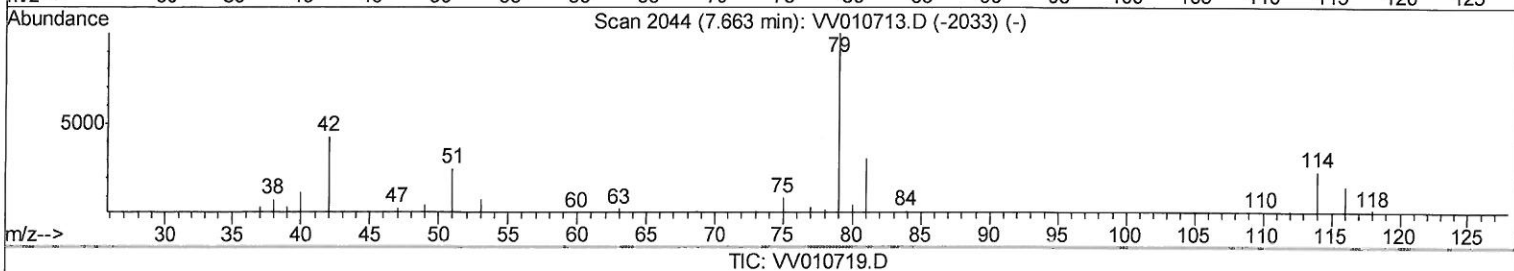
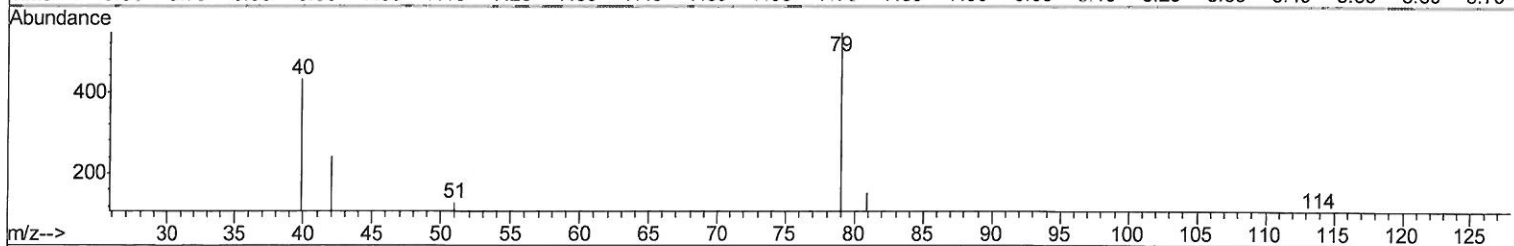
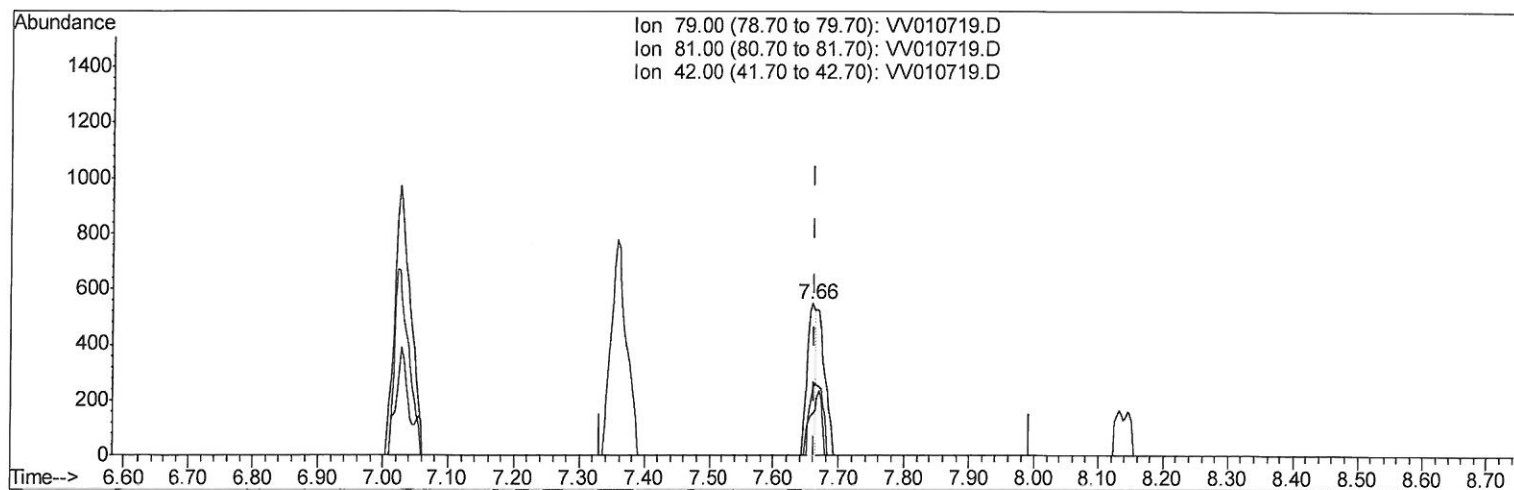
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
Client Sampled :  
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Manual Integrations  
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(38) trans-1,3-Dichloropropene-d4 (S)

7.659min (-0.003) 8.16ug/L

response 459

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 79.00 | 100   | 100    |
| 81.00 | 34.20 | 60.78# |
| 42.00 | 47.80 | 79.52# |
| 0.00  | 0.00  | 0.00   |



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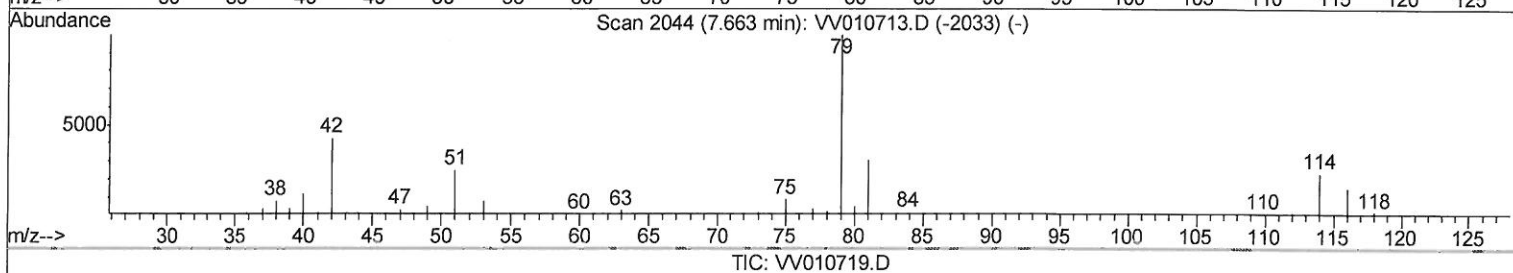
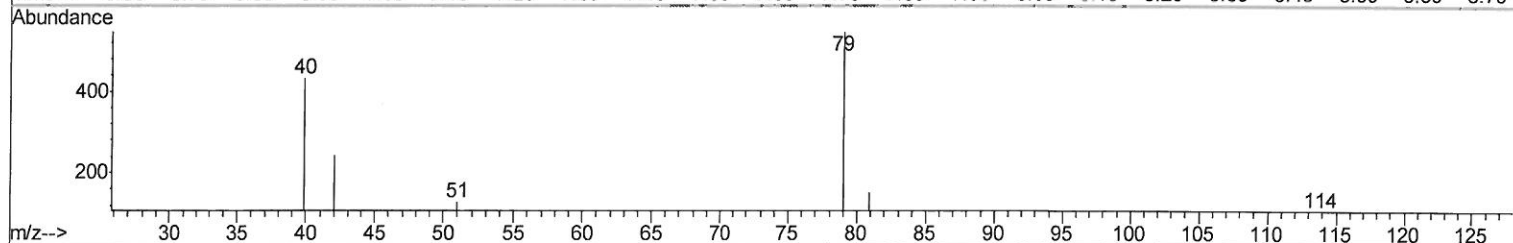
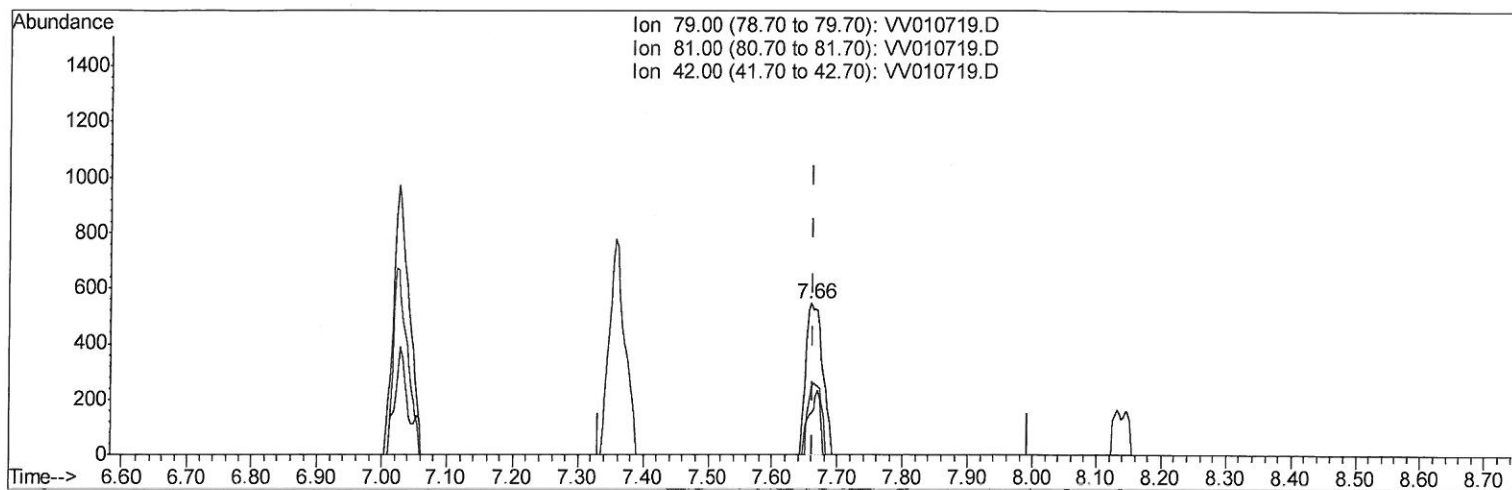
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Operator : SY/MD  
Sample : K2690-21  
Misc : 5.25G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A5167

Manual Integrations  
APPROVED

MMDadoda  
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Response via : Initial Calibration



(38) trans-1,3-Dichloropropene-d4 (S)

7.659min (-0.003) 17.20ug/L m

205/09/19 Sy

response 968

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 79.00 | 100   | 100   |
| 81.00 | 34.20 | 28.82 |
| 42.00 | 47.80 | 37.71 |
| 0.00  | 0.00  | 0.00  |

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APPROVED

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5/13/2019 3:46:17 AM

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 8950     | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 7360     | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 1875     | 25.00 | ug/L  | 0.00     |

System Monitoring Compounds

|                                |                |     |            |         |      |      |
|--------------------------------|----------------|-----|------------|---------|------|------|
| 4) Vinyl Chloride-d3           | 1.32           | 65  | 2912       | 20.94   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 83.76%  |      |      |
| 7) Chloroethane-d5             | 1.57           | 69  | 3012       | 26.32   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 105.28% |      |      |
| 10) 1,1-Dichloroethene-d2      | 2.13           | 63  | 4098       | 13.59   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 110 |     | Recovery = | 54.36%  |      |      |
| 20) 2-Butanone-d5              | 3.95           | 46  | 1773m      | 42.50   | ug/L | 0.02 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 85.00%  |      |      |
| 24) Chloroform-d               | 4.40           | 84  | 5510       | 22.58   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 40 - 150 |     | Recovery = | 90.32%  |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.08           | 65  | 3682       | 24.16   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 130 |     | Recovery = | 96.64%  |      |      |
| 29) Benzene-d6                 | 5.10           | 84  | 10236      | 26.42   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 20 - 135 |     | Recovery = | 105.68% |      |      |
| 33) 1,2-Dichloropropane-d6     | 6.11           | 67  | 3202       | 25.94   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 120 |     | Recovery = | 103.76% |      |      |
| 37) Toluene-d8                 | 7.36           | 98  | 8831       | 23.80   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 130 |     | Recovery = | 95.20%  |      |      |
| 38) trans-1,3-Dichloropropene- | 7.66           | 79  | 968m       | 17.20   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 135 |     | Recovery = | 68.80%  |      |      |
| 39) 2-Hexanone-d5              | 8.14           | 63  | 1036       | 40.11   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 80.22%  |      |      |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26          | 84  | 2993       | 25.80   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 120 |     | Recovery = | 103.20% |      |      |
| 61) 1,2-Dichlorobenzene-d4     | 11.68          | 152 | 1895       | 26.10   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 75 - 120 |     | Recovery = | 104.40% |      |      |

Target Compounds Qvalue

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