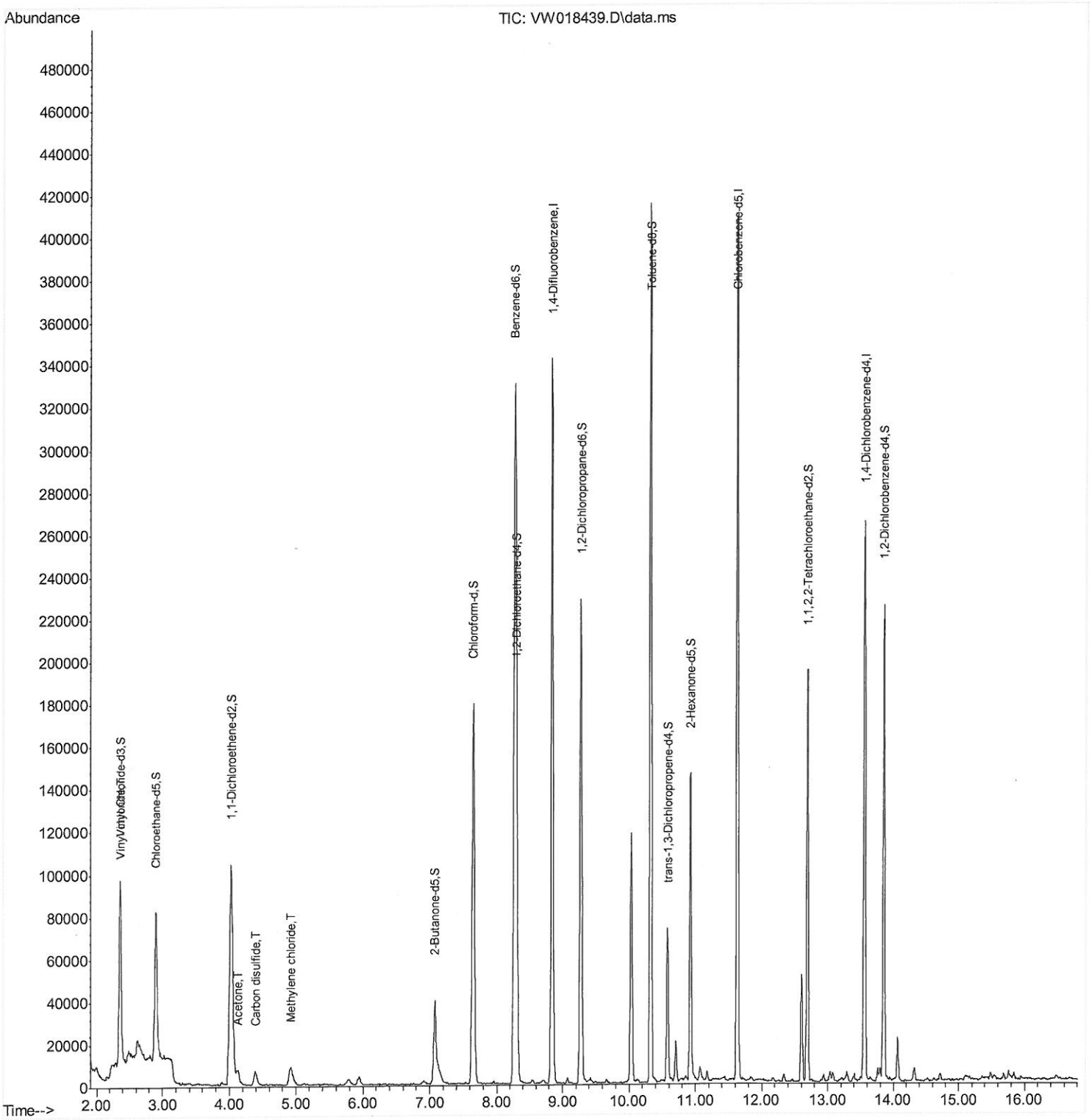
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032421\
Data File : VW018439.D
Acq On : 24 Mar 2021 11:45
Operator : SY/VA
Sample : M1781-09RE
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 01:24:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 25 01:23:35 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
BG4N5RE

**Manual Integrations APPROVED**
MMDadoda
3/26/2021 9:31:25 AM



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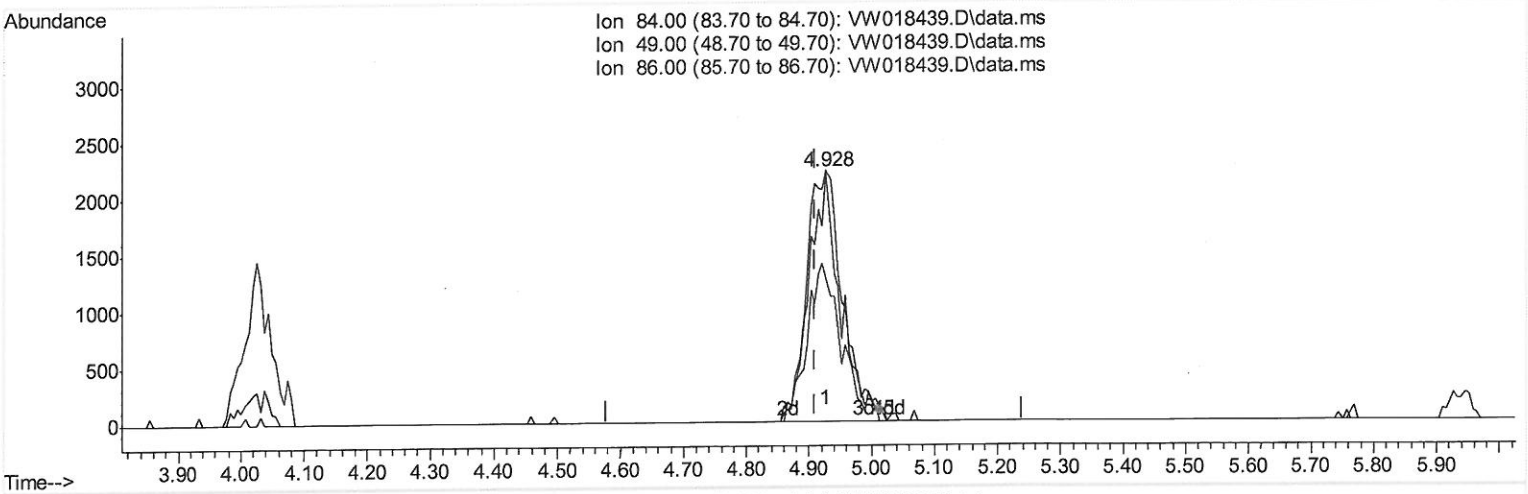


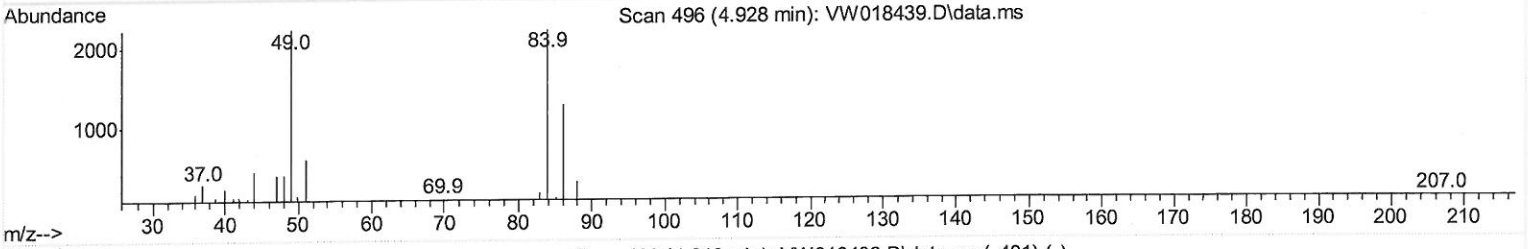


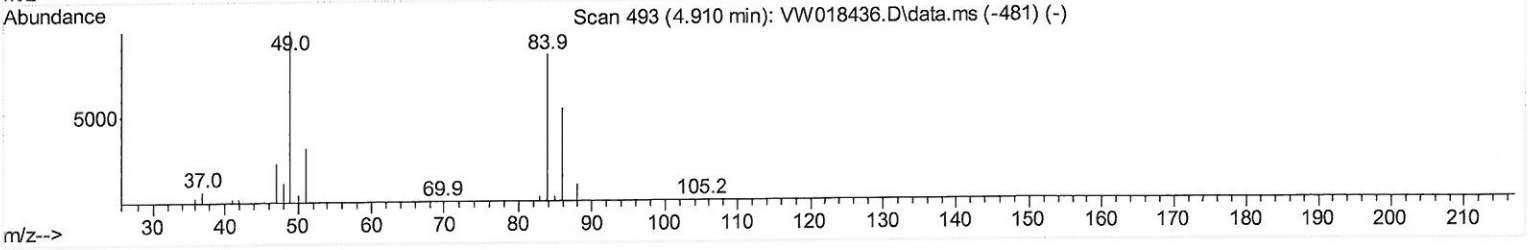


TIC: VW018439.D\data.ms

(16) Methylene chloride (T)

4.928min (+ 0.018) 1.64 ug/L m

response 7673

| Ion | Exp% | Act% |
|---|---|---|
| 84.00 | 100.00 | 100.00 |
| 49.00 | 106.30 | 100.91 |
| 86.00 | 65.90 | 57.40 |
| 0.00 | 0.00 | 0.00 |

MD 4/5/21

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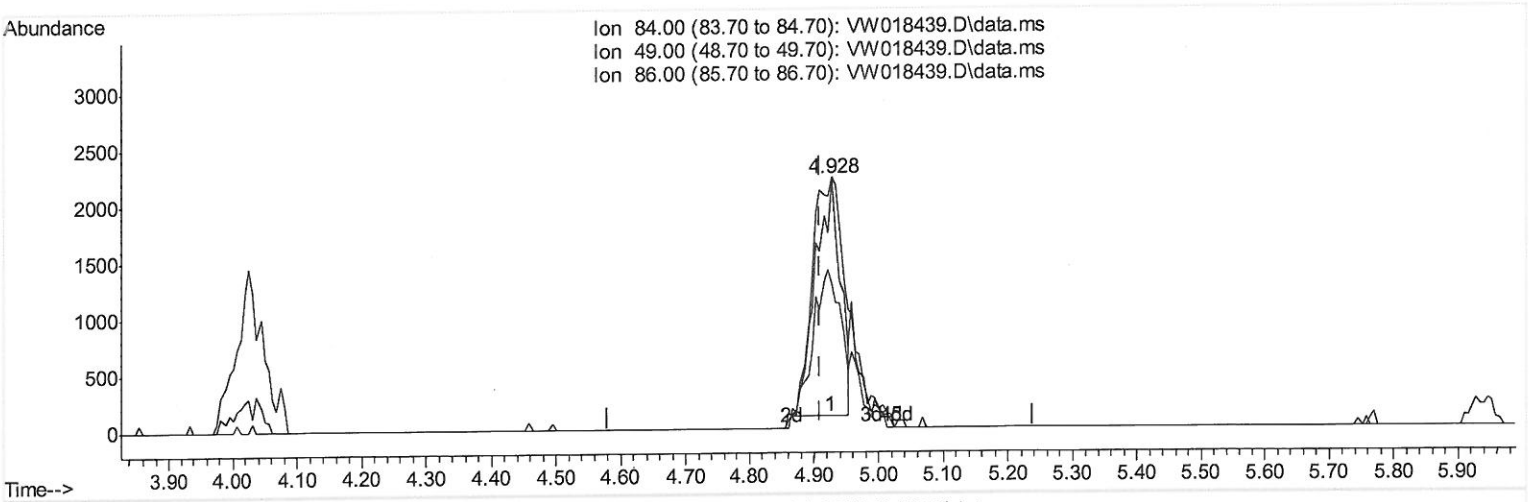
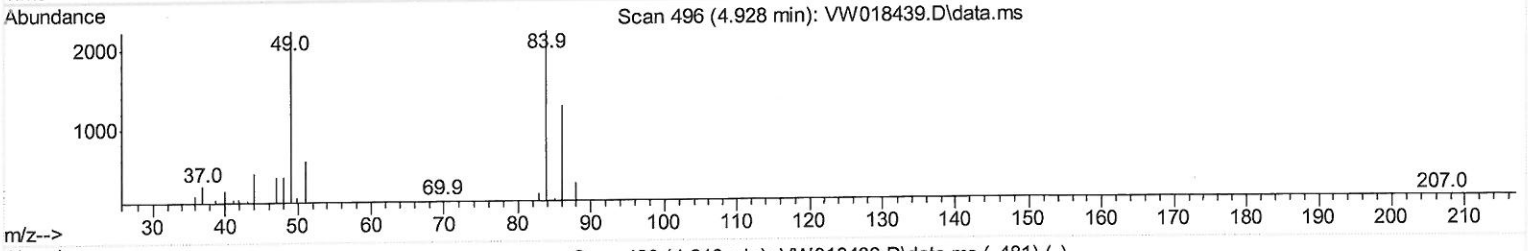
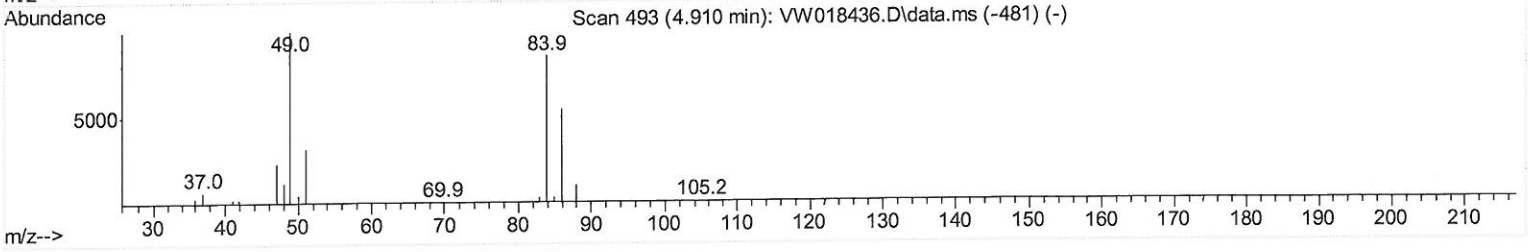
MMDadoda
3/26/2021 9:31:25 AM




TIC: VW018439.D\data.ms

(16) Methylene chloride (T)

4.928min (+ 0.018) 1.21 ug/L

response 5672

| Ion | Exp% | Act% |
|---|---|---|
| 84.00 | 100.00 | 100.00 |
| 49.00 | 106.30 | 100.91 |
| 86.00 | 65.90 | 57.40 |
| 0.00 | 0.00 | 0.00 |

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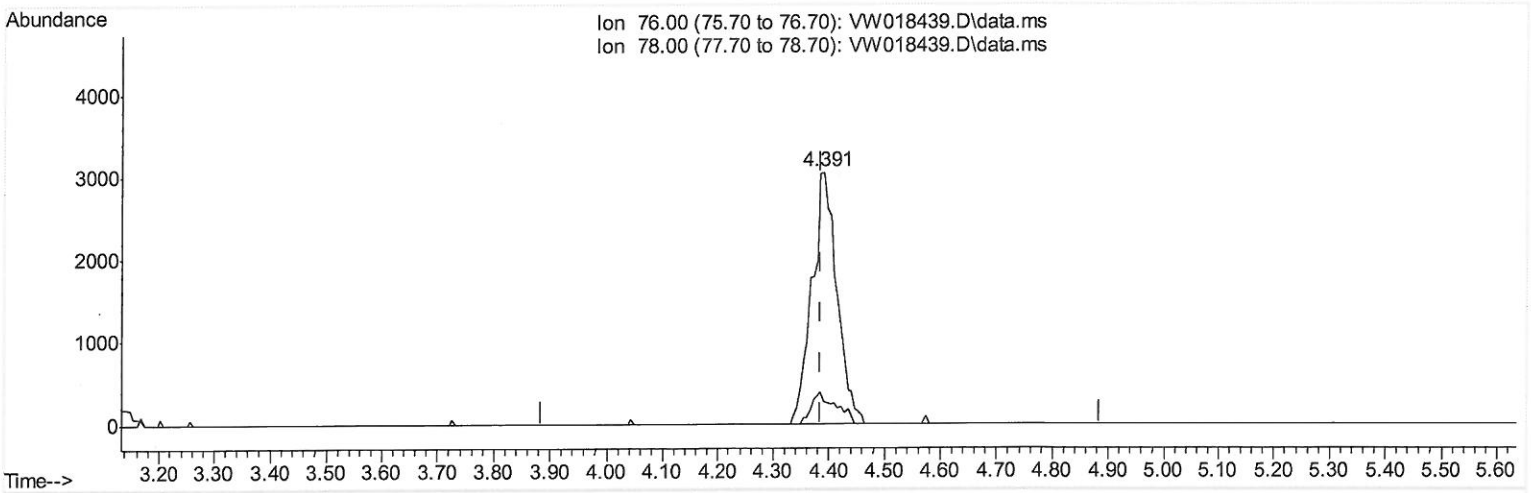


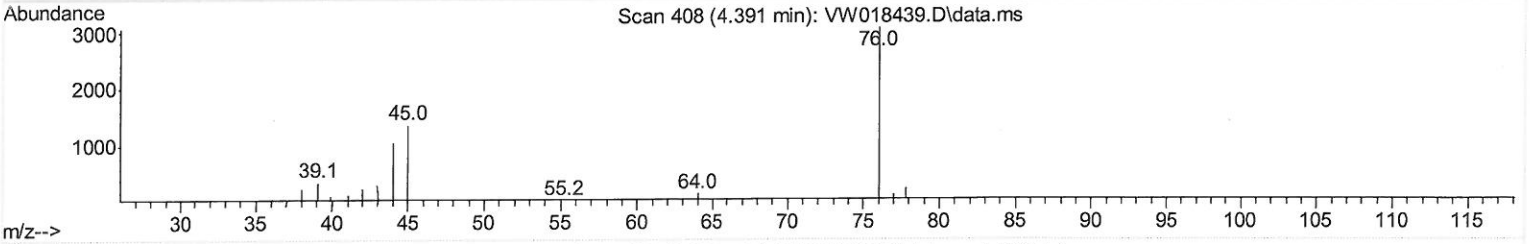


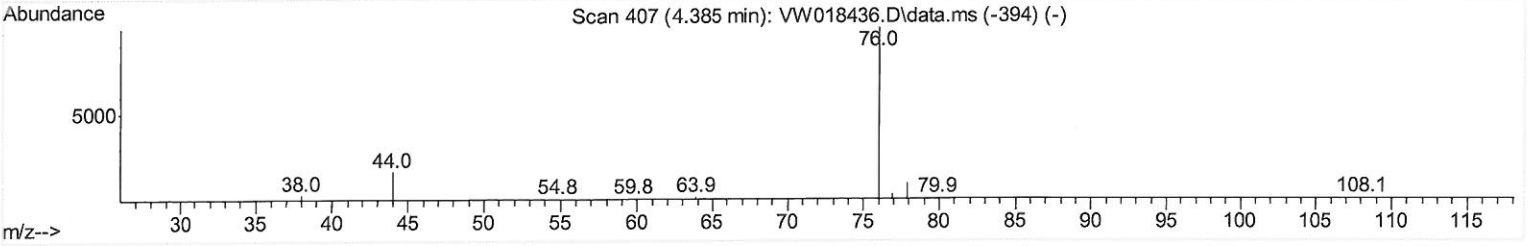


TIC: VW018439.D\data.ms

(14) Carbon disulfide (T)

4.391min (+ 0.006) 0.87 ug/L m > MD 4/5/21

response 9400

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100.00 | 100.00 |
| 78.00 | 9.30 | 8.58 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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MSVOA_W
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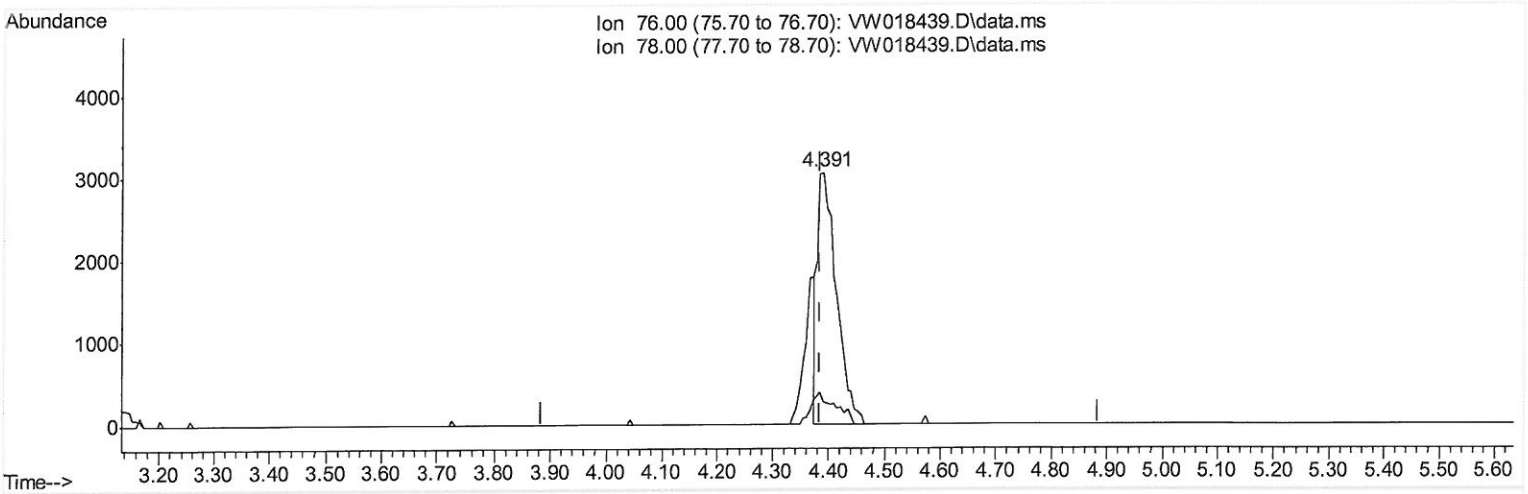
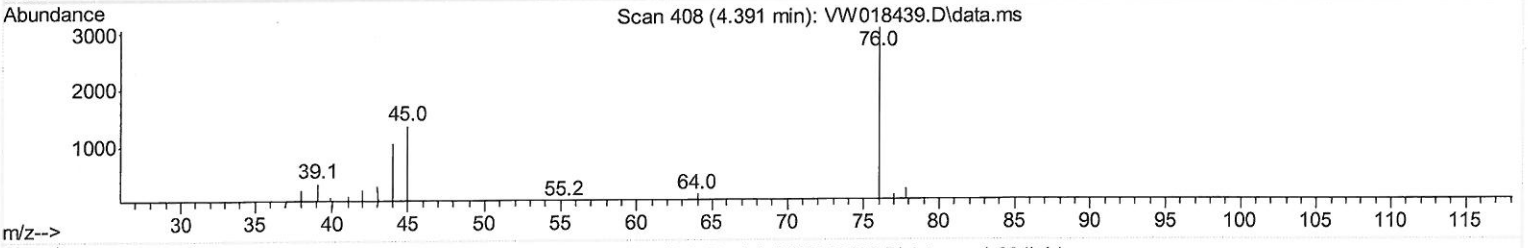
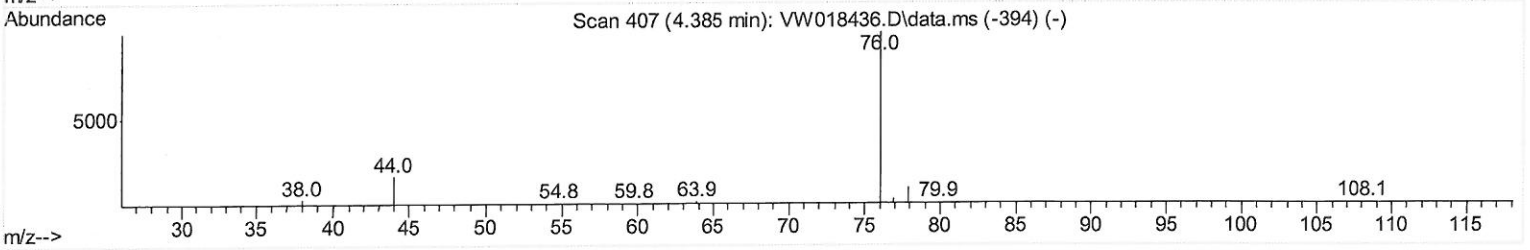
**Manual Integrations APPROVED**
MMDadoda
3/26/2021 9:31:25 AM




TIC: VW018439.D\data.ms

(14) Carbon disulfide (T)

4.391min (+ 0.006) 0.67 ug/L

response 7185

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100.00 | 100.00 |
| 78.00 | 9.30 | 8.58 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :** MSVOA_W
**ClientSampleId :** BG4N5RE

**Manual Integrations APPROVED**
MMDadoda
3/26/2021 9:31:25 AM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.842 | 114 | 284636 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.634 | 117 | 220211 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.560 | 152 | 66156 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.361 | 65 | 103483 | 26.13 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 104.52% | | | |
| 7) Chloroethane-d5 | 2.891 | 69 | 95740 | 27.61 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 110.44% | | | |
| 10) 1,1-Dichloroethene-d2 | 4.025 | 63 | 118080 | 17.27 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 69.08% | | | |
| 20) 2-Butanone-d5 | 7.080 | 46 | 62708 | 71.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 142.22%# | | | |
| 24) Chloroform-d | 7.647 | 84 | 174206 | 24.03 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 96.12% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 114059 | 26.95 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 107.80% | | | |
| 29) Benzene-d6 | 8.275 | 84 | 332291 | 28.38 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 113.52% | | | |
| 33) 1,2-Dichloropropane-d6 | 9.274 | 67 | 99501 | 29.47 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 117.88% | | | |
| 37) Toluene-d8 | 10.323 | 98 | 274244 | 24.33 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 97.32% | | | |
| 38) trans-1,3-Dichloroprop... | 10.579 | 79 | 39005 | 22.40 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 89.60% | | | |
| 39) 2-Hexanone-d5 | 10.927 | 63 | 50483 | 76.39 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 152.78%# | | | |
| 48) 1,1,2,2-Tetrachloroeth... | 12.688 | 84 | 93143 | 30.83 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 123.32%# | | | |
| 61) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 53899 | 22.92 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 91.68% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 2.367 | 62 | 8997 | 1.66 | ug/L # | 80 |
| 13) Acetone | 4.123 | 43 | 11909 | 18.80 | ug/L | 100 |
| 14) Carbon disulfide | 4.391 | 76 | 9400m | 0.87 | ug/L | |
| 16) Methylene chloride | 4.928 | 84 | 7673m | 1.64 | ug/L | |

MD 4/5/21

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