

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\

Data File : VU031038.D

Acq On : 11 Apr 2019 01:40

Operator : JC/SP

Sample : K2340-05

Misc : 5.0mL/MSVOA U/WATER

ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 11 11:43:30 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Apr 11 05:17:40 2019

Response via : Initial Calibration

Instrument :

MSVOA\_U

ClientSampleId :

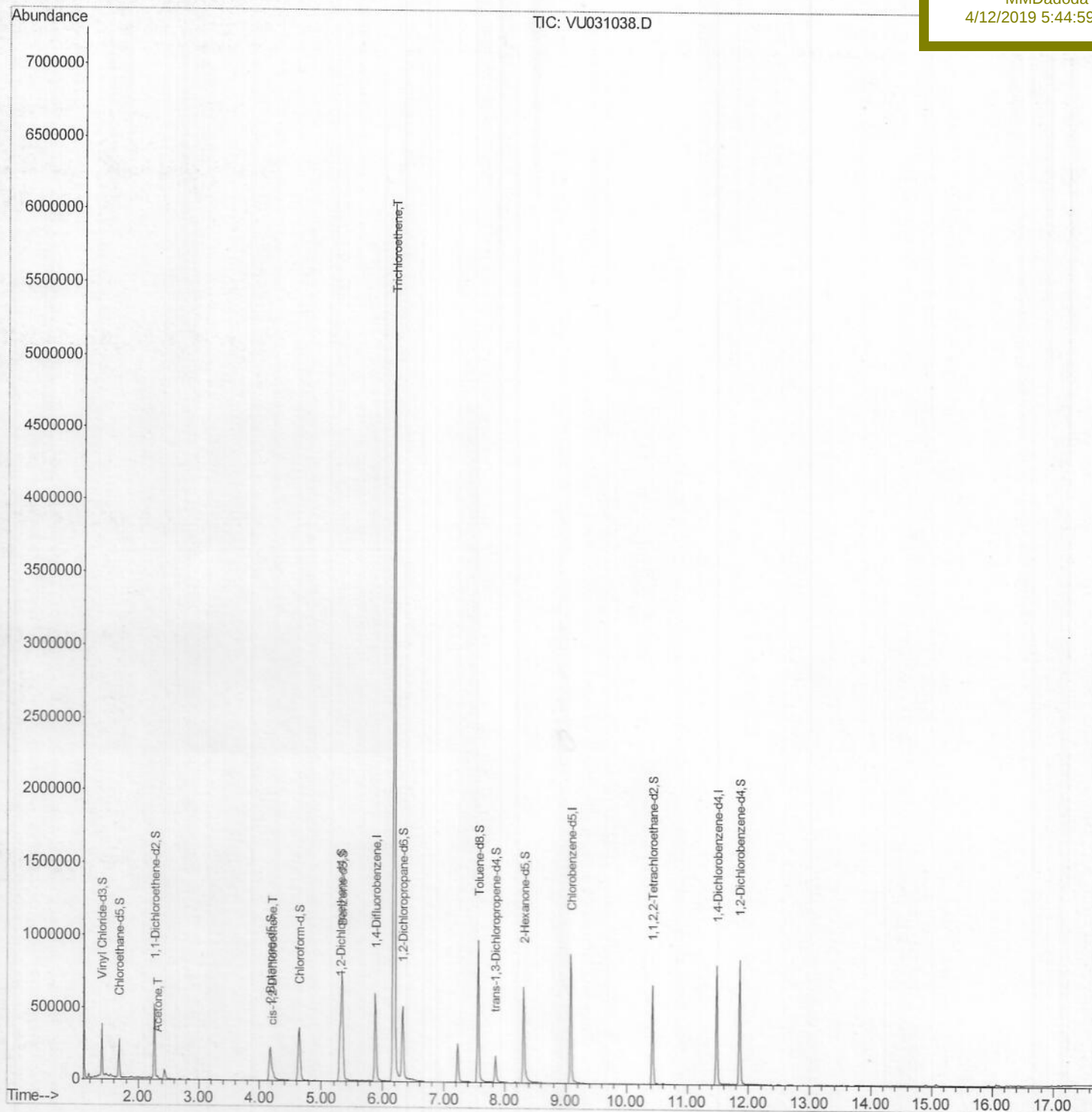
BF2S5

Manual Integrations

APPROVED

MMDadoda

4/12/2019 5:44:59 PM



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\

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Operator : JC/SP

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Quant Time: Apr 11 05:26:04 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M

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ClientSampleId :

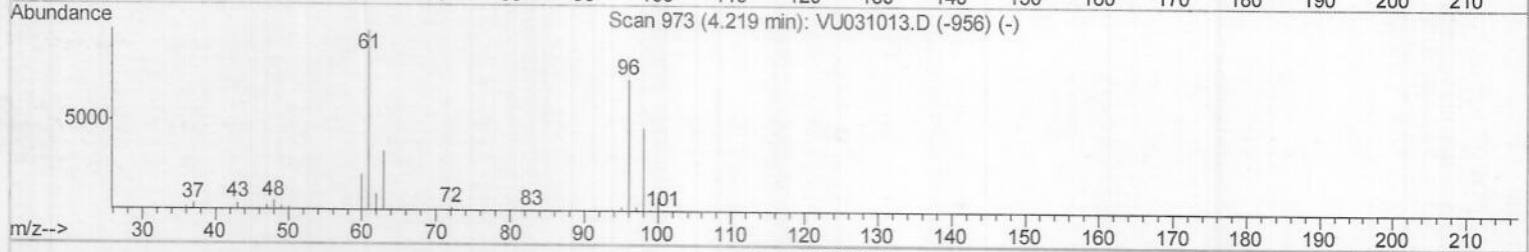
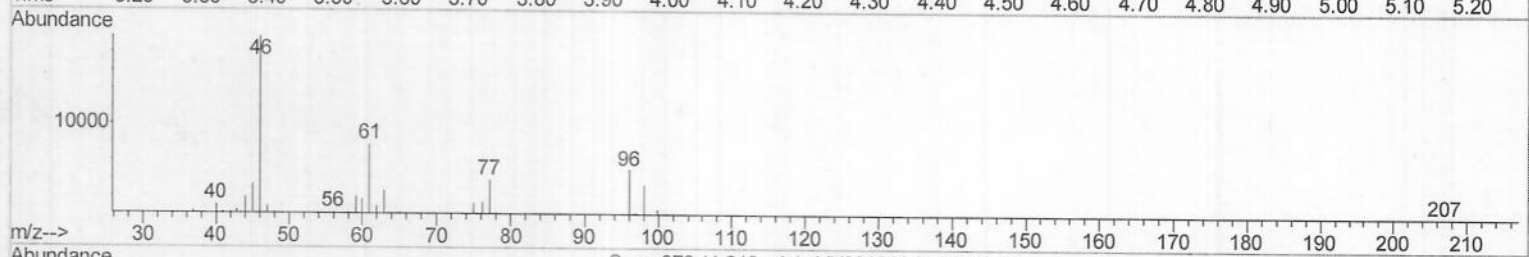
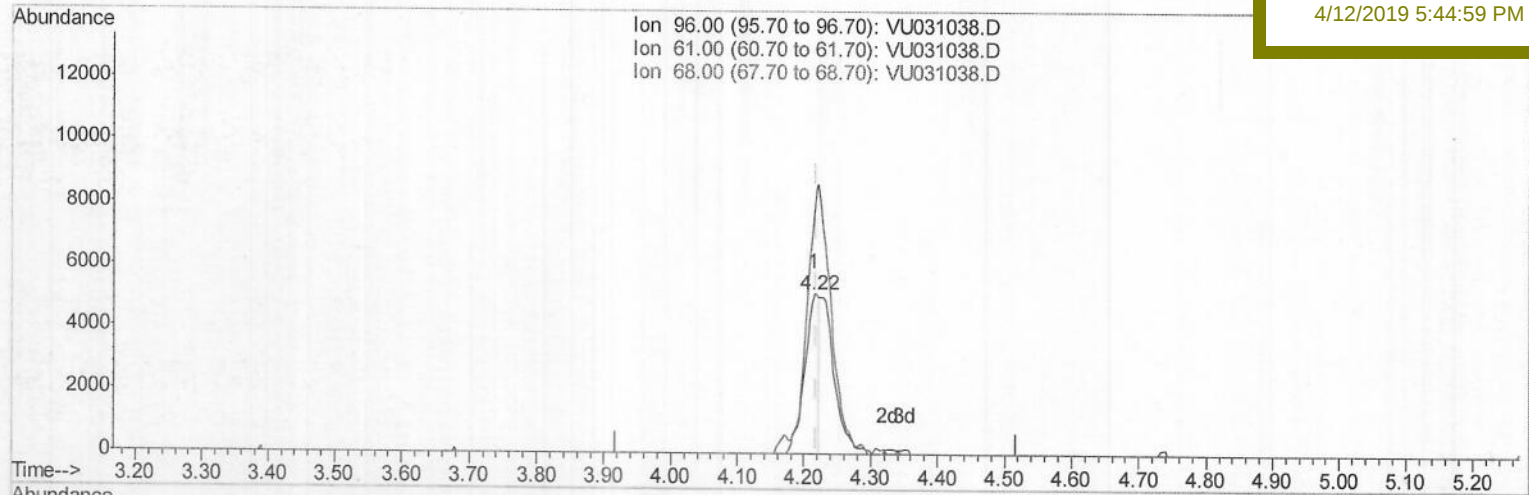
BF2S5

Manual Integrations

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4/12/2019 5:44:59 PM



TIC: VU031038.D

(20) cis-1,2-Dichloroethene (T)

4.215min (-0.003) 1.77ug/L

response 7468

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100    | 100    |
| 61.00 | 147.00 | 153.63 |
| 68.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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MSVOA\_U

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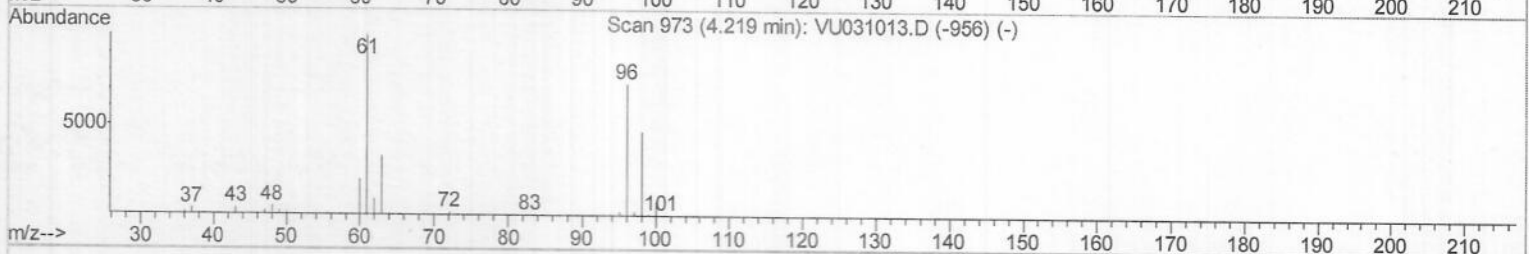
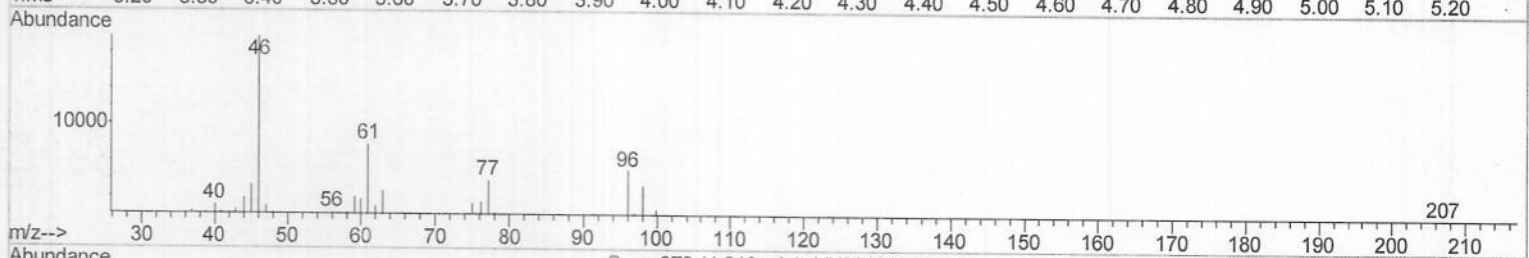
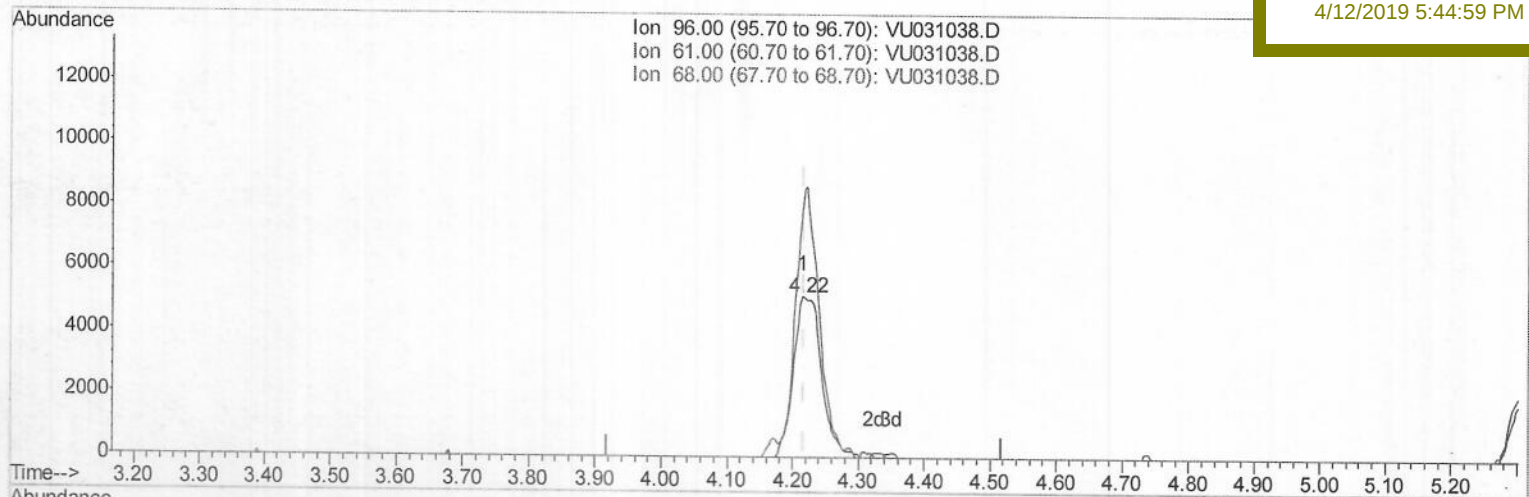
BF2S5

Manual Integrations

APPROVED

MMDadoda

4/12/2019 5:44:59 PM



TIC: VU031038.D

(20) cis-1,2-Dichloroethene (T)

4.215min (-0.003) 3.57ug/L m

response 15108

Ion Exp% Act%

96.00 100 100

61.00 147.00 153.63

68.00 0.00 0.00

0.00 0.00 0.00

*M.D*  
*4/25/19*

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\  
 Data File : VU031038.D  
 Acq On : 11 Apr 2019 01:40  
 Operator : JC/SP  
 Sample : K2340-05  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF2S5

Quant Time: Apr 11 11:43:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 OLast Update : Thu Apr 11 05:17:40 2019  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 4/12/2019 5:44:59 PM

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 521984   | 50.00 | ug/L  | 0.00      |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 492684   | 50.00 | ug/L  | 0.00      |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 218003   | 50.00 | ug/L  | 0.00      |

## System Monitoring Compounds

|                                |                |     |            |         |      |      |
|--------------------------------|----------------|-----|------------|---------|------|------|
| 4) Vinyl Chloride-d3           | 1.40           | 65  | 225032     | 48.29   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 135 |     | Recovery = | 96.58%  |      |      |
| 7) Chloroethane-d5             | 1.68           | 69  | 181590     | 51.35   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 130 |     | Recovery = | 102.70% |      |      |
| 11) 1,1-Dichloroethene-d2      | 2.27           | 63  | 309315     | 36.70   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 73.40%  |      |      |
| 21) 2-Butanone-d5              | 4.17           | 46  | 389873     | 105.57  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 40 - 130 |     | Recovery = | 105.57% |      |      |
| 24) Chloroform-d               | 4.64           | 84  | 366183     | 51.45   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 102.90% |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.30           | 65  | 250744     | 51.63   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 103.26% |      |      |
| 32) Benzene-d6                 | 5.34           | 84  | 758963     | 52.77   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 105.54% |      |      |
| 36) 1,2-Dichloropropane-d6     | 6.32           | 67  | 258734     | 52.49   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 120 |     | Recovery = | 104.98% |      |      |
| 41) Toluene-d8                 | 7.56           | 98  | 665132     | 52.17   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 104.34% |      |      |
| 43) trans-1,3-Dichloropropene- | 7.85           | 79  | 109477     | 48.71   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 97.42%  |      |      |
| 47) 2-Hexanone-d5              | 8.31           | 63  | 237988     | 105.64  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 45 - 130 |     | Recovery = | 105.64% |      |      |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43          | 84  | 351319     | 52.84   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 65 - 120 |     | Recovery = | 105.68% |      |      |
| 64) 1,2-Dichlorobenzene-d4     | 11.86          | 152 | 235179     | 54.85   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 109.70% |      |      |

## Target Compounds

|                            |      |    |         |              | Ovalue |
|----------------------------|------|----|---------|--------------|--------|
| 13) Acetone                | 2.32 | 43 | 17892   | 4.735 ug/L   | 98     |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 15108m  | 3.571 ug/L   |        |
| 34) Trichloroethene        | 6.18 | 95 | 2155737 | 545.151 ug/L | 97     |

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