

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032321\  
 Data File : VW018430.D  
 Acq On : 23 Mar 2021 16:40  
 Operator : SY/VA  
 Sample : M1781-09  
 Misc : 5.93G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG4N5

Manual Integrations  
 APPROVED

SAM  
 3/26/2021 6:06:26 PM

Quant Time: Mar 24 01:26:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 24 01:23:39 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 348887     | 25.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628         | 117  | 286378     | 25.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 115044     | 25.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 115382     | 23.77   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 95.08%  |        |          |
| 7) Chloroethane-d5            | 2.892          | 69   | 105466     | 24.82   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 99.28%  |        |          |
| 10) 1,1-Dichloroethene-d2     | 4.019          | 63   | 146587     | 17.49   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 69.96%  |        |          |
| 20) 2-Butanone-d5             | 7.086          | 46   | 60352      | 55.84   | ug/L   | 0.01     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 111.68% |        |          |
| 24) Chloroform-d              | 7.653          | 84   | 193118     | 21.73   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 86.92%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 121798     | 23.48   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 93.92%  |        |          |
| 29) Benzene-d6                | 8.275          | 84   | 387409     | 25.45   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 101.80% |        |          |
| 33) 1,2-Dichloropropane-d6    | 9.275          | 67   | 111354     | 25.36   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 101.44% |        |          |
| 37) Toluene-d8                | 10.323         | 98   | 345570     | 23.57   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 94.28%  |        |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 47295      | 20.88   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 83.52%  |        |          |
| 39) 2-Hexanone-d5             | 10.927         | 63   | 50246      | 58.47   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 116.94% |        |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.689         | 84   | 104159     | 26.51   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 106.04% |        |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 99722      | 24.38   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 97.52%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 5) Vinyl chloride             | 2.367          | 62   | 6270       | 0.95    | ug/L # | 46       |
| 13) Acetone                   | 4.147          | 43   | 7360m      | 9.48    | ug/L   |          |
| 14) Carbon disulfide          | 4.385          | 76   | 4382       | 0.33    | ug/L # | 89       |
| 16) Methylene chloride        | 4.916          | 84   | 7466       | 1.30    | ug/L # | 74       |
| -----                         |                |      |            |         |        |          |

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

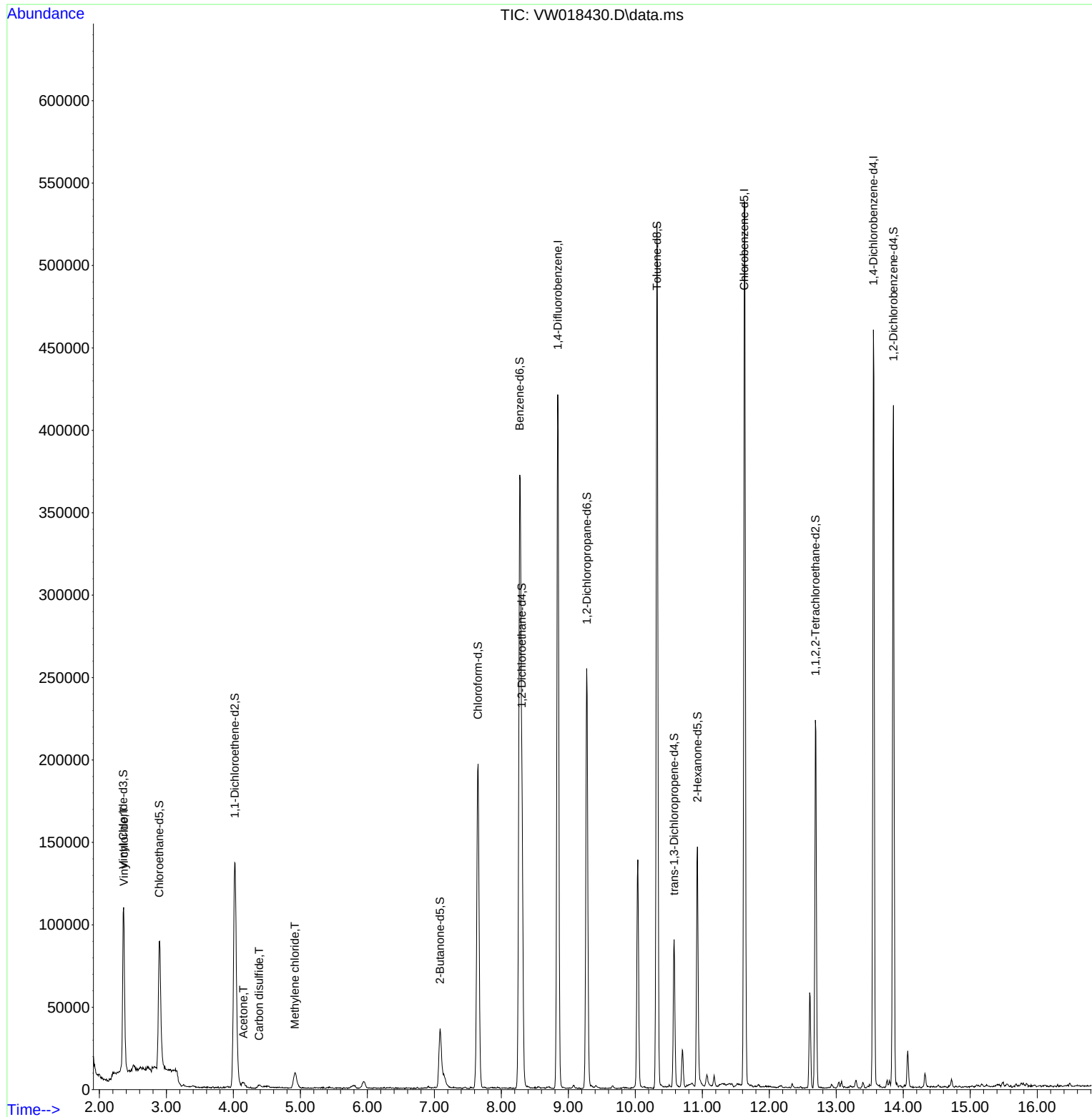
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032321\  
Data File : VW018430.D  
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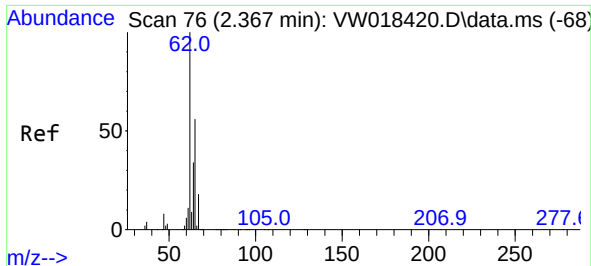
Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Mar 24 01:23:39 2021  
Response via : Initial Calibration





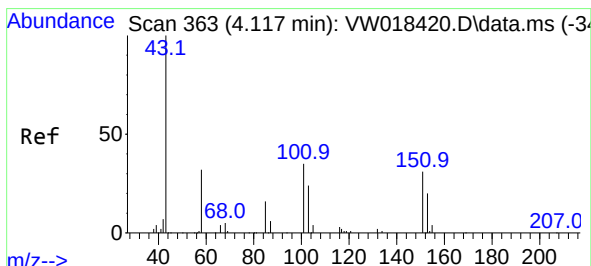
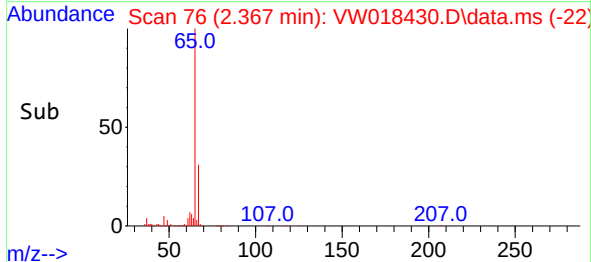
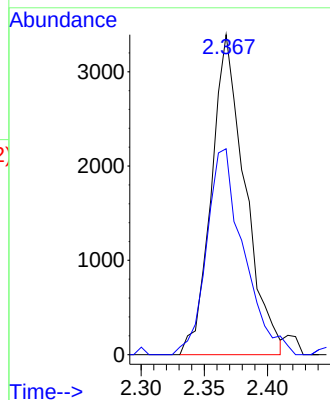
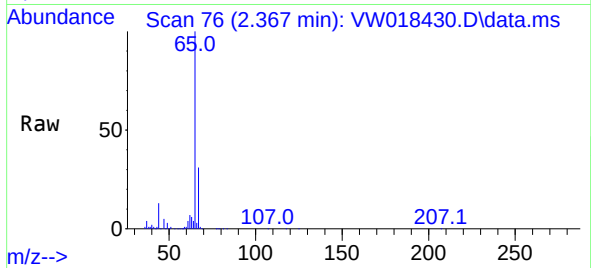
#5  
 Vinyl chloride  
 Concen: 0.95 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. 0.000 min  
 Lab File: VW018430.D  
 Acq: 23 Mar 2021 16:40

Tgt Ion: 62 Resp: 6270  
 Ion Ratio Lower Upper  
 62 100  
 64 64.4 23.5 43.7#

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG4N5

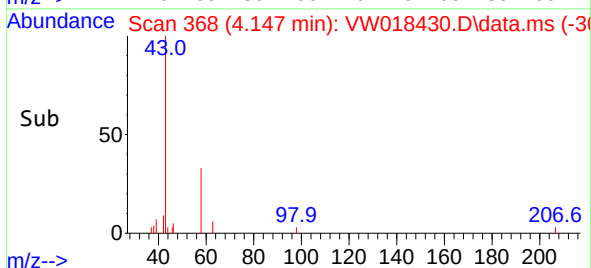
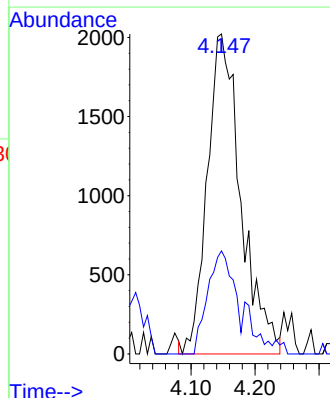
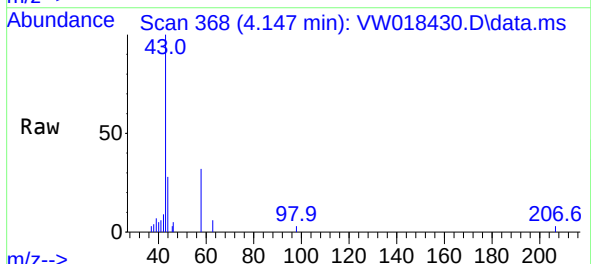
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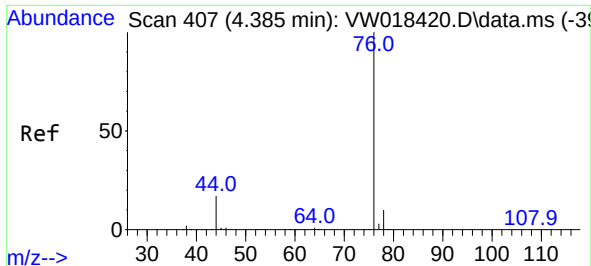
SAM  
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#13  
 Acetone  
 Concen: 9.48 ug/L m  
 RT: 4.147 min Scan# 368  
 Delta R.T. 0.030 min  
 Lab File: VW018430.D  
 Acq: 23 Mar 2021 16:40

Tgt Ion: 43 Resp: 7360  
 Ion Ratio Lower Upper  
 43 100  
 58 25.0 0.0 62.2





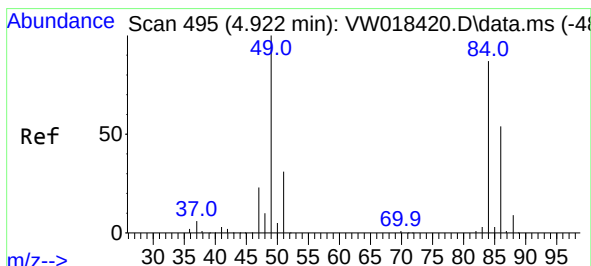
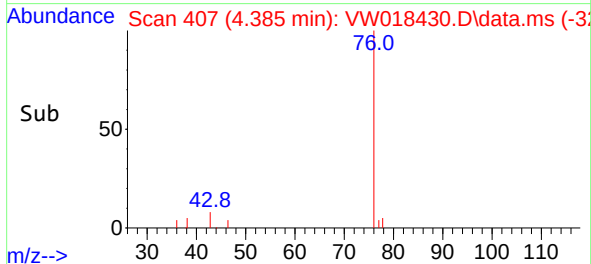
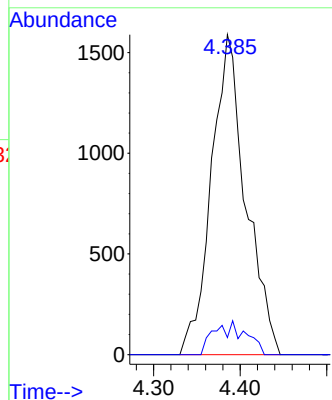
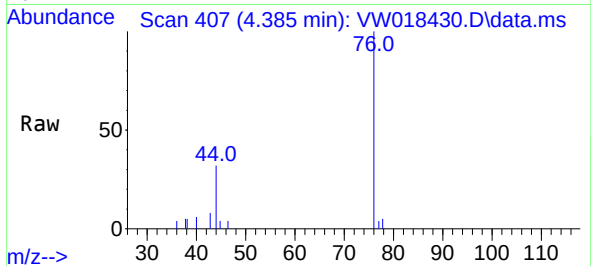
#14  
Carbon disulfide  
Concen: 0.33 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. 0.000 min  
Lab File: VW018430.D  
Acq: 23 Mar 2021 16:40

Tgt Ion: 76 Resp: 4382  
Ion Ratio Lower Upper  
76 100  
78 5.3 7.4 11.2#

Instrument :  
MSVOA\_W  
ClientSampled :  
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#16  
Methylene chloride  
Concen: 1.30 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. -0.006 min  
Lab File: VW018430.D  
Acq: 23 Mar 2021 16:40

Tgt Ion: 84 Resp: 7466  
Ion Ratio Lower Upper  
84 100  
49 138.4 74.4 138.2#  
86 51.8 46.1 85.7

