

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091120\  
 Data File : VW016543.D  
 Acq On : 11 Sep 2020 12:18  
 Operator : SY/VA  
 Sample : L3950-16  
 Misc : 5.97G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFWZ6

Manual Integrations  
 APPROVED

MMDadoda  
 9/14/2020 10:27:28 AM

Quant Time: Sep 12 07:43:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM090320S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 12 07:12:32 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.           | QIon | Response   | Conc   | Units | Dev(Min) |
|--------------------------------|----------------|------|------------|--------|-------|----------|
| 1) 1,4-Difluorobenzene         | 8.85           | 114  | 630196     | 25.00  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5           | 11.63          | 117  | 539280     | 25.00  | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4     | 13.56          | 152  | 218730     | 25.00  | ug/L  | 0.00     |
| System Monitoring Compounds    |                |      |            |        |       |          |
| 4) Vinyl Chloride-d3           | 2.37           | 65   | 125894     | 18.83  | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 150 |      | Recovery = | 75.32% |       |          |
| 7) Chloroethane-d5             | 2.90           | 69   | 124685     | 20.77  | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 150 |      | Recovery = | 83.08% |       |          |
| 10) 1,1-Dichloroethene-d2      | 4.03           | 63   | 179423     | 11.67  | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 45 - 110 |      | Recovery = | 46.68% |       |          |
| 20) 2-Butanone-d5              | 7.09           | 46   | 58560      | 24.52  | ug/L  | 0.00     |
| Spiked Amount 50.000           | Range 20 - 135 |      | Recovery = | 49.04% |       |          |
| 24) Chloroform-d               | 7.65           | 84   | 294047     | 19.92  | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 40 - 150 |      | Recovery = | 79.68% |       |          |
| 26) 1,2-Dichloroethane-d4      | 8.31           | 65   | 145218m    | 17.99  | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 70 - 130 |      | Recovery = | 71.96% |       |          |
| 29) Benzene-d6                 | 8.28           | 84   | 525324     | 19.16  | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 20 - 135 |      | Recovery = | 76.64% |       |          |
| 33) 1,2-Dichloropropane-d6     | 9.28           | 67   | 158846     | 19.72  | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 70 - 120 |      | Recovery = | 78.88% |       |          |
| 37) Toluene-d8                 | 10.33          | 98   | 471993     | 18.11  | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 130 |      | Recovery = | 72.44% |       |          |
| 38) trans-1,3-Dichloropropene- | 10.58          | 79   | 68034      | 16.74  | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 135 |      | Recovery = | 66.96% |       |          |
| 39) 2-Hexanone-d5              | 10.93          | 63   | 47402      | 28.80  | ug/L  | 0.00     |
| Spiked Amount 50.000           | Range 20 - 135 |      | Recovery = | 57.60% |       |          |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69          | 84   | 114629     | 16.83  | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 45 - 120 |      | Recovery = | 67.32% |       |          |
| 61) 1,2-Dichlorobenzene-d4     | 13.85          | 152  | 155058     | 20.51  | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 75 - 120 |      | Recovery = | 82.04% |       |          |
| Target Compounds               |                |      |            |        |       |          |
| 14) Carbon disulfide           | 4.39           | 76   | 4823       | 0.203  | ug/L  | 95       |
| 16) Methylene chloride         | 4.93           | 84   | 11359      | 1.155  | ug/L  | 99       |
| 35) Trichloroethene            | 9.09           | 95   | 1915       | 0.234  | ug/L  | 76       |
| 47) Tetrachloroethene          | 10.87          | 164  | 235174     | 35.901 | ug/L  | 91       |

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

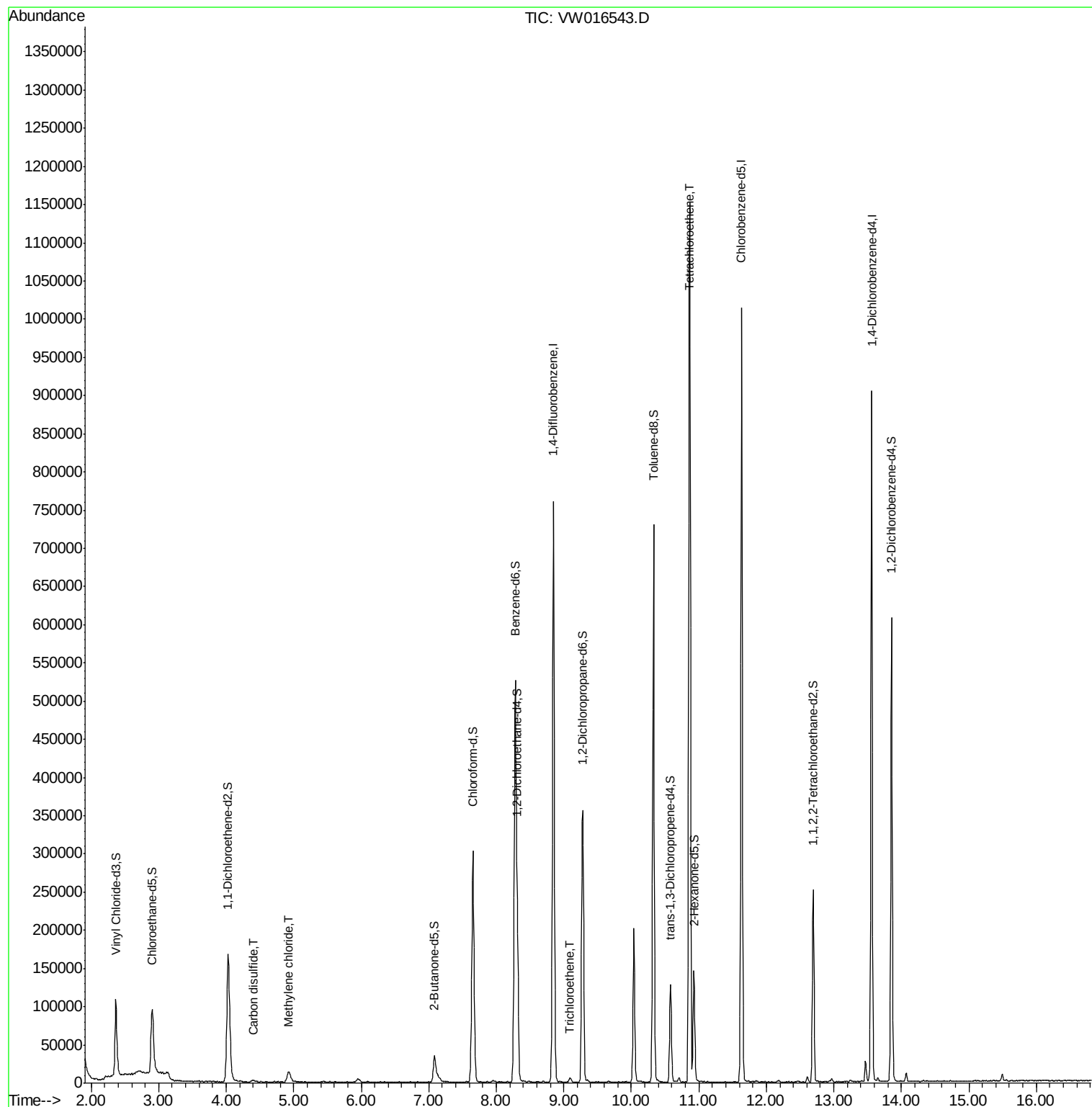
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091120\  
Data File : VW016543.D  
Acq On : 11 Sep 2020 12:18  
Operator : SY/VA  
Sample : L3950-16  
Misc : 5.97G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

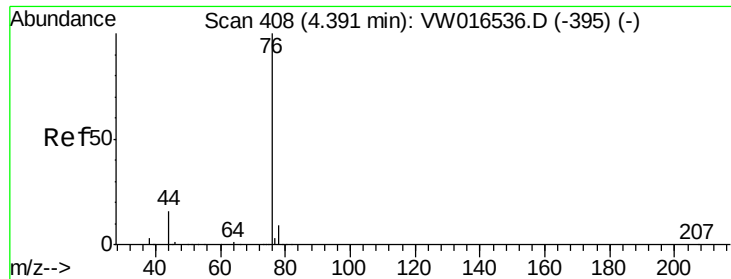
Instrument :  
MSVOA\_W  
ClientSampleId :  
BFWZ6

Manual Integrations  
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9/14/2020 10:27:28 AM

Quant Time: Sep 12 07:43:16 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM090320S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Sep 12 07:12:32 2020  
Response via : Initial Calibration





#14

Carbon disulfide

Concen: 0.203 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016543.D

Acq: 11 Sep 2020 12:18

Instrument :

MSVOA\_W

ClientSampled :

BFWZ6

Tot Ion: 76 Resp: 4823

Ion Ratio Lower Upper

76 100

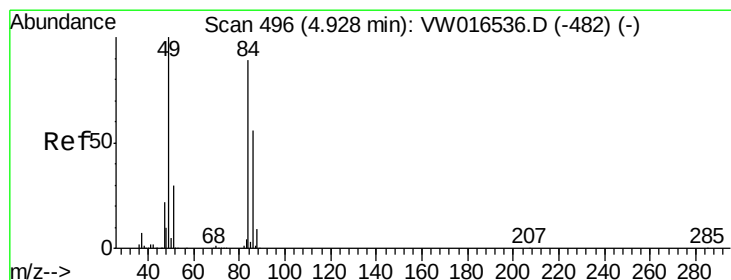
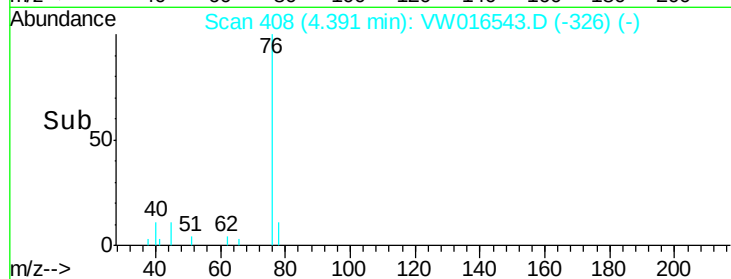
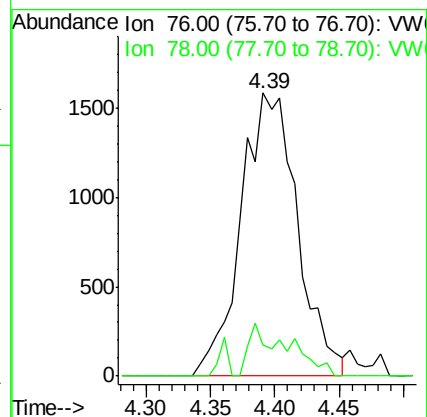
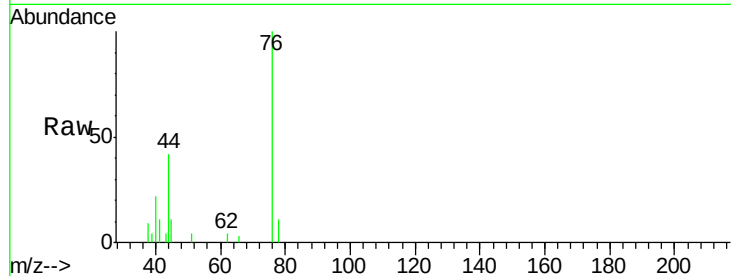
78 10.8 7.3 10.9

Manual Integrations

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#16

Methylene chloride

Concen: 1.155 ug/L

RT: 4.93 min Scan# 496

Delta R.T. -0.00 min

Lab File: VW016543.D

Acq: 11 Sep 2020 12:18

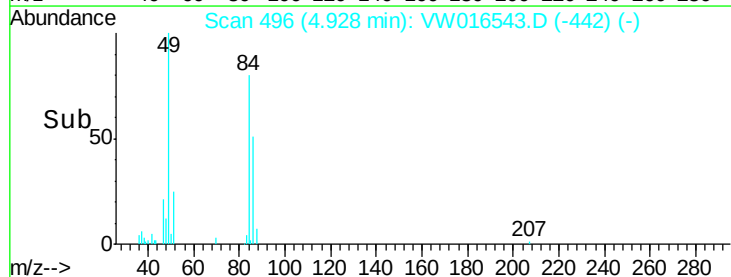
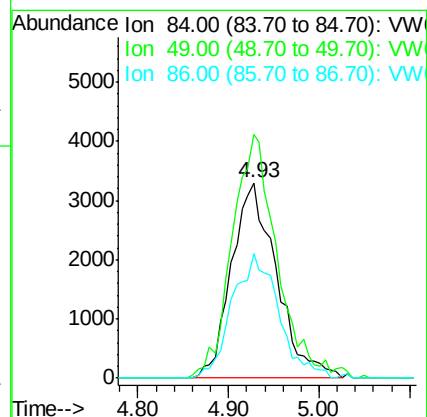
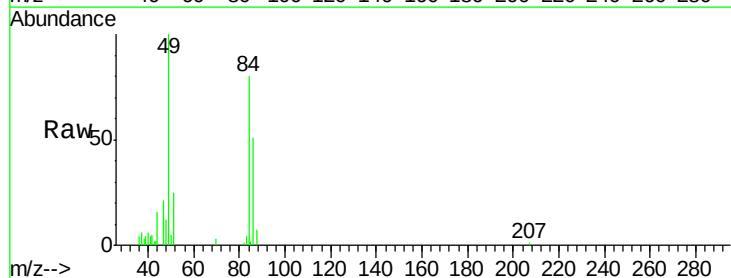
Tgt Ion: 84 Resp: 11359

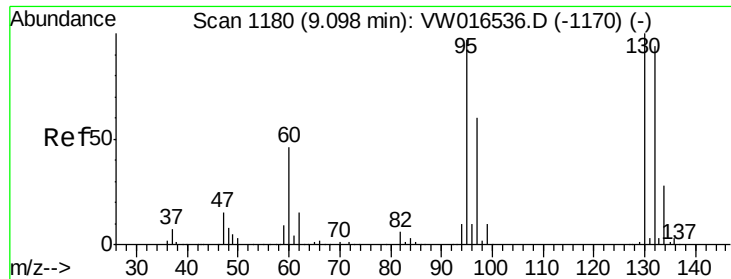
Ion Ratio Lower Upper

84 100

49 124.5 86.7 160.9

86 63.7 44.9 83.5





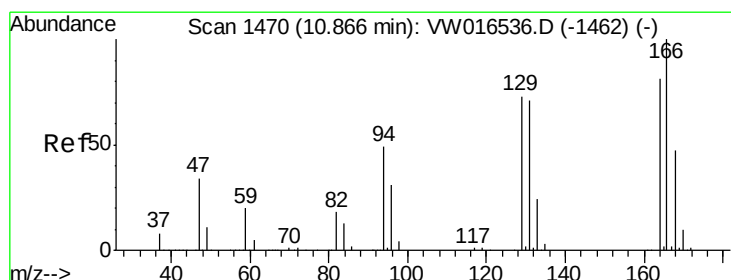
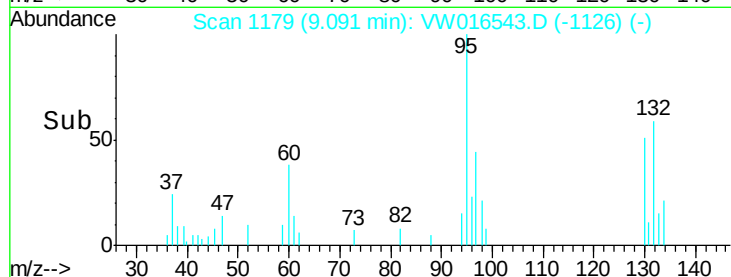
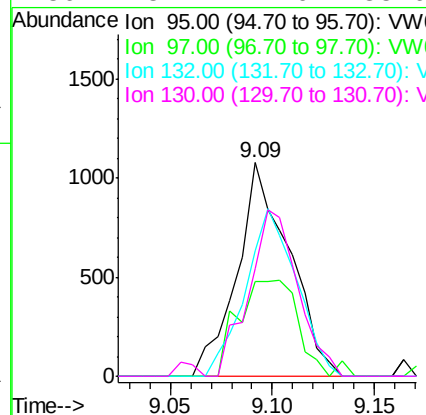
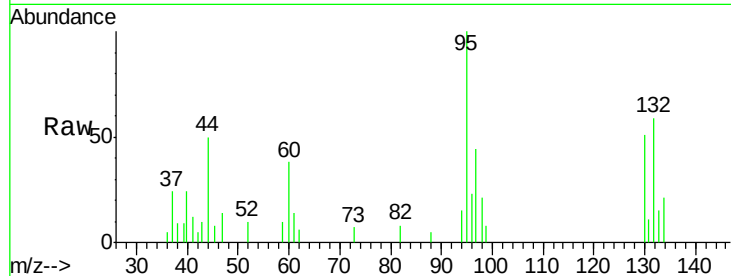
#35  
 Trichloroethene  
 Concen: 0.234 ug/L  
 RT: 9.09 min Scan# 1179  
 Delta R.T. -0.01 min  
 Lab File: VW016543.D  
 Acq: 11 Sep 2020 12:18

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFWZ6

| Tot Ion | 95    | Resp  | 1915  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 95      | 100   |       |       |
| 97      | 51.0  | 44.9  | 83.5  |
| 132     | 76.7  | 69.2  | 128.4 |
| 130     | 73.2  | 72.0  | 133.6 |

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#47  
 Tetrachloroethene  
 Concen: 35.901 ug/L  
 RT: 10.87 min Scan# 1470  
 Delta R.T. -0.00 min  
 Lab File: VW016543.D  
 Acq: 11 Sep 2020 12:18

| Tgt Ion | 164   | Resp  | 235174 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 164     | 100   |       |        |
| 129     | 105.2 | 65.7  | 121.9  |
| 131     | 95.3  | 61.1  | 113.5  |
| 166     | 128.0 | 85.0  | 157.8  |

