

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071321\  
 Data File : VW019463.D  
 Acq On : 13 Jul 2021 11:27  
 Operator : SY/VA  
 Sample : M2971-21  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VHBLK001

Quant Time: Jul 14 02:26:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jul 14 02:25:50 2021  
 Response via : Initial Calibration

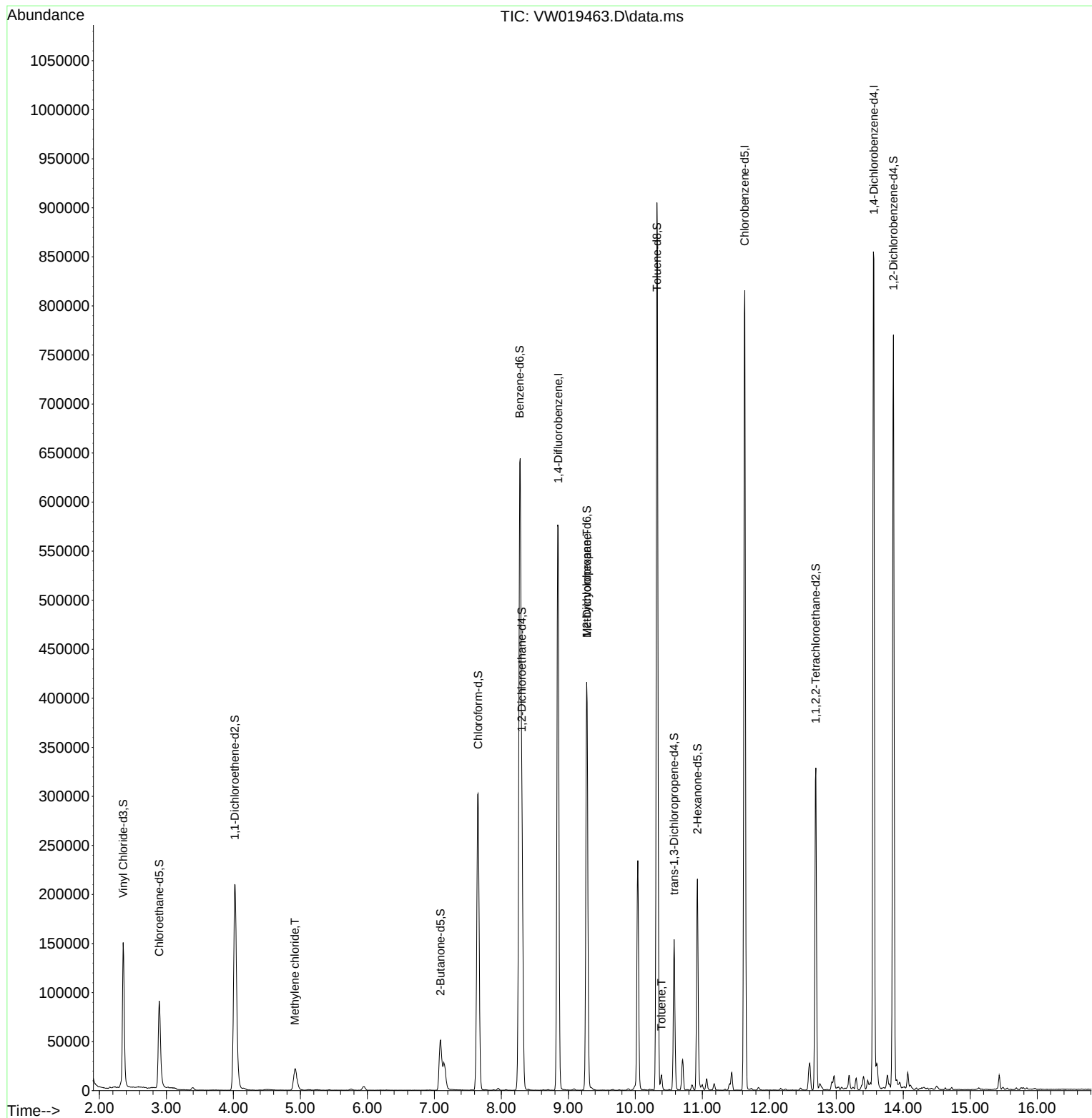
| Compound                      |        | R.T.   | QIon     | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|--------|----------|----------|--------|----------|----------|
| -----                         |        |        |          |          |        |          |          |
| Internal Standards            |        |        |          |          |        |          |          |
| 1) 1,4-Difluorobenzene        |        | 8.848  | 114      | 491406   | 25.000 | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          |        | 11.634 | 117      | 458427   | 25.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    |        | 13.560 | 152      | 231171   | 25.000 | ug/L     | 0.00     |
|                               |        |        |          |          |        |          |          |
| System Monitoring Compounds   |        |        |          |          |        |          |          |
| 4) Vinyl Chloride-d3          |        | 2.355  | 65       | 174209   | 25.021 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 150 | Recovery | =      | 100.080% |          |
| 7) Chloroethane-d5            |        | 2.892  | 69       | 118911   | 23.949 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 150 | Recovery | =      | 95.800%  |          |
| 11) 1,1-Dichloroethene-d2     |        | 4.019  | 63       | 239723   | 17.844 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 45 - 110 | Recovery | =      | 71.360%  |          |
| 21) 2-Butanone-d5             |        | 7.092  | 46       | 92614    | 45.829 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 20 - 135 | Recovery | =      | 91.660%  |          |
| 24) Chloroform-d              |        | 7.653  | 84       | 321239   | 23.659 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 40 - 150 | Recovery | =      | 94.640%  |          |
| 26) 1,2-Dichloroethane-d4     |        | 8.305  | 65       | 182767   | 24.528 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 70 - 130 | Recovery | =      | 98.120%  |          |
| 32) Benzene-d6                |        | 8.275  | 84       | 672495   | 24.644 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 20 - 135 | Recovery | =      | 98.560%  |          |
| 36) 1,2-Dichloropropane-d6    |        | 9.275  | 67       | 208526   | 24.517 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 70 - 120 | Recovery | =      | 98.080%  |          |
| 41) Toluene-d8                |        | 10.323 | 98       | 607631   | 24.697 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 130 | Recovery | =      | 98.800%  |          |
| 43) trans-1,3-Dichloroprop... |        | 10.579 | 79       | 86736    | 23.813 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 135 | Recovery | =      | 95.240%  |          |
| 47) 2-Hexanone-d5             |        | 10.927 | 63       | 75163    | 47.633 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 20 - 135 | Recovery | =      | 95.260%  |          |
| 56) 1,1,2,2-Tetrachloroeth... |        | 12.695 | 84       | 169606   | 24.679 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 45 - 120 | Recovery | =      | 98.720%  |          |
| 66) 1,2-Dichlorobenzene-d4    |        | 13.853 | 152      | 203598   | 24.962 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 75 - 120 | Recovery | =      | 99.840%  |          |
|                               |        |        |          |          |        |          |          |
| Target Compounds              |        |        |          |          |        |          | Qvalue   |
| 16) Methylene chloride        |        | 4.916  | 84       | 19590    | 2.000  | ug/L     | 95       |
| 35) Methylcyclohexane         |        | 9.275  | 83       | 48939    | 3.776  | ug/L #   | 20       |
| 42) Toluene                   |        | 10.390 | 91       | 10478    | 0.350  | ug/L     | 94       |
| -----                         |        |        |          |          |        |          |          |

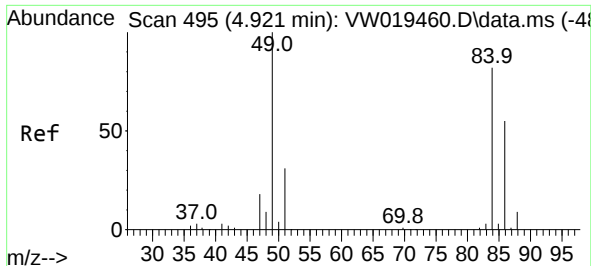
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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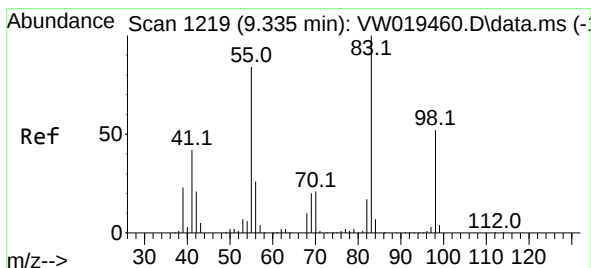
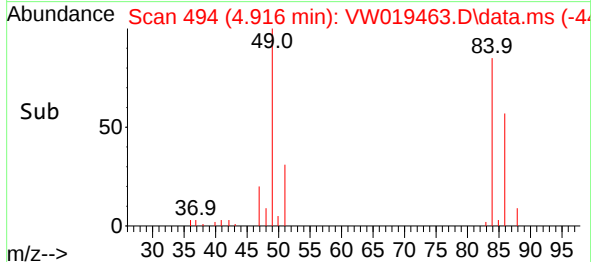
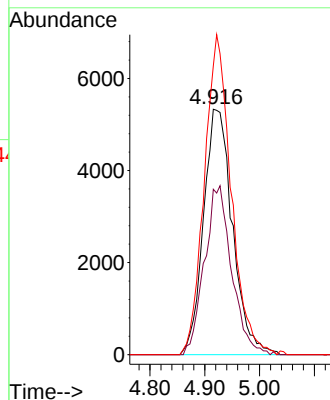
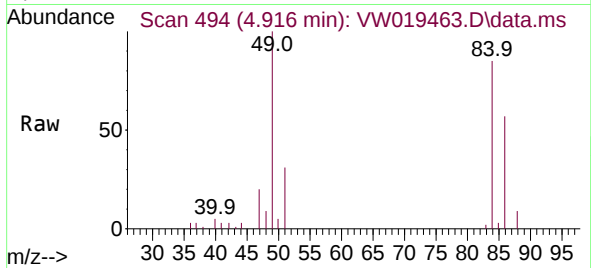




#16  
Methylene chloride  
Concen: 2.000 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. -0.006 min  
Lab File: VW019463.D  
Acq: 13 Jul 2021 11:27

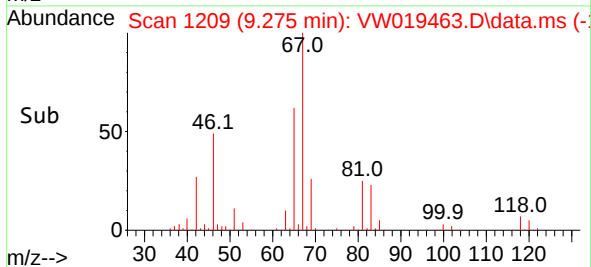
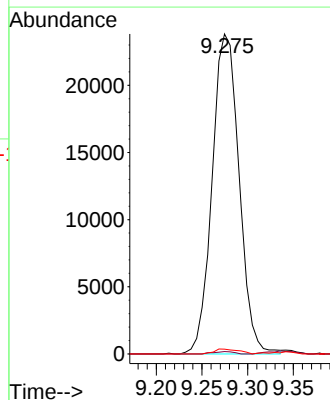
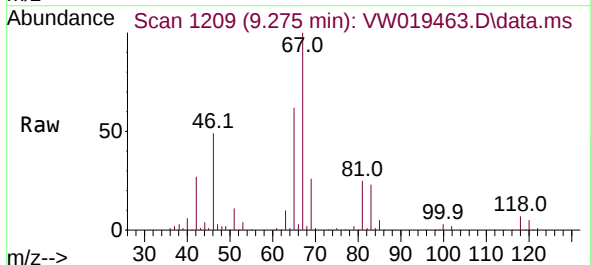
Instrument :  
MSVOA\_W  
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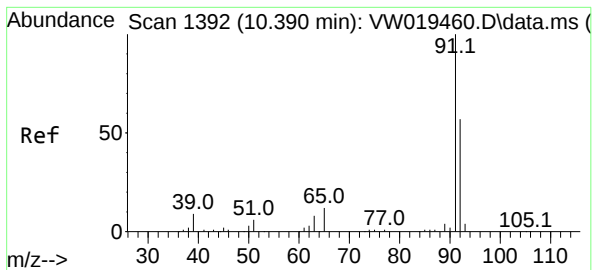
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 19590 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 67.4  | 45.3  | 84.1  |
| 49       | 117.7 | 86.6  | 160.8 |



#35  
Methylcyclohexane  
Concen: 3.776 ug/L  
RT: 9.275 min Scan# 1209  
Delta R.T. -0.061 min  
Lab File: VW019463.D  
Acq: 13 Jul 2021 11:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 48939 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.6   | 58.9  | 88.3# |
| 98       | 1.4   | 40.1  | 60.1# |





#42  
Toluene  
Concen: 0.350 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
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ClientSampleId :  
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Tgt Ion: 91 Resp: 10478  
Ion Ratio Lower Upper  
91 100  
92 60.5 39.5 73.3

