

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082021\  
 Data File : VW019828.D  
 Acq On : 20 Aug 2021 12:57  
 Operator : SY/VA  
 Sample : M3486-04  
 Misc : 4.31g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 20 23:35:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 20 23:32:55 2021  
 Response via : Initial Calibration

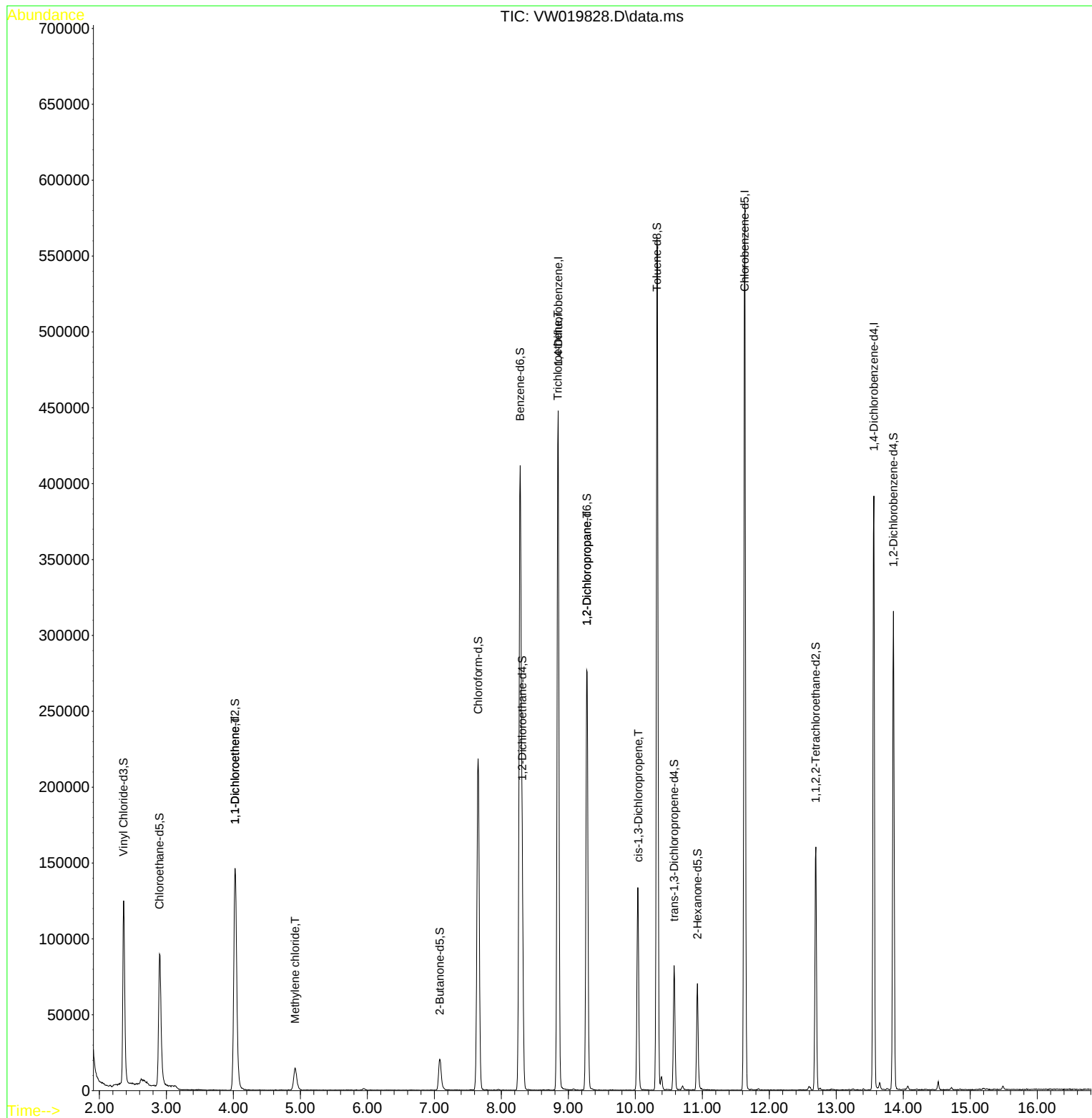
| Compound                      |        | R.T.   | QIon     | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|--------|----------|----------|--------|----------|----------|
| Internal Standards            |        |        |          |          |        |          |          |
| 1) 1,4-Difluorobenzene        |        | 8.848  | 114      | 356447   | 25.000 | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          |        | 11.634 | 117      | 312625   | 25.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    |        | 13.560 | 152      | 101573   | 25.000 | ug/L     | 0.00     |
| System Monitoring Compounds   |        |        |          |          |        |          |          |
| 4) Vinyl Chloride-d3          |        | 2.361  | 65       | 147237   | 26.660 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 150 | Recovery | =      | 106.640% |          |
| 7) Chloroethane-d5            |        | 2.898  | 69       | 121808   | 25.128 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 150 | Recovery | =      | 100.520% |          |
| 11) 1,1-Dichloroethene-d2     |        | 4.025  | 63       | 159718   | 16.666 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 45 - 110 | Recovery | =      | 66.680%  |          |
| 21) 2-Butanone-d5             |        | 7.080  | 46       | 33961    | 30.274 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 20 - 135 | Recovery | =      | 60.540%  |          |
| 24) Chloroform-d              |        | 7.653  | 84       | 223445   | 22.794 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 40 - 150 | Recovery | =      | 91.160%  |          |
| 26) 1,2-Dichloroethane-d4     |        | 8.311  | 65       | 109798   | 20.784 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 70 - 130 | Recovery | =      | 83.120%  |          |
| 32) Benzene-d6                |        | 8.281  | 84       | 419891   | 23.556 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 20 - 135 | Recovery | =      | 94.240%  |          |
| 36) 1,2-Dichloropropane-d6    |        | 9.274  | 67       | 131220   | 24.309 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 70 - 120 | Recovery | =      | 97.240%  |          |
| 41) Toluene-d8                |        | 10.323 | 98       | 362221   | 22.175 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 130 | Recovery | =      | 88.680%  |          |
| 43) trans-1,3-Dichloroprop... |        | 10.579 | 79       | 44639    | 20.018 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 135 | Recovery | =      | 80.080%  |          |
| 47) 2-Hexanone-d5             |        | 10.927 | 63       | 21706    | 28.865 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 20 - 135 | Recovery | =      | 57.720%  |          |
| 56) 1,1,2,2-Tetrachloroeth... |        | 12.695 | 84       | 78607    | 17.892 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 45 - 120 | Recovery | =      | 71.560%  |          |
| 66) 1,2-Dichlorobenzene-d4    |        | 13.853 | 152      | 78834    | 22.626 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 75 - 120 | Recovery | =      | 90.520%  |          |
| Target Compounds              |        |        |          |          |        |          | Qvalue   |
| 12) 1,1-Dichloroethene        |        | 4.025  | 96       | 1527     | 0.316  | ug/L #   | 1        |
| 16) Methylene chloride        |        | 4.922  | 84       | 11939    | 1.952  | ug/L     | 94       |
| 34) Trichloroethene           |        | 8.842  | 95       | 11024    | 2.210  | ug/L #   | 5        |
| 37) 1,2-Dichloropropane       |        | 9.274  | 63       | 15138    | 3.186  | ug/L #   | 86       |
| 39) cis-1,3-Dichloropropene   |        | 10.043 | 75       | 3479     | 0.497  | ug/L #   | 72       |

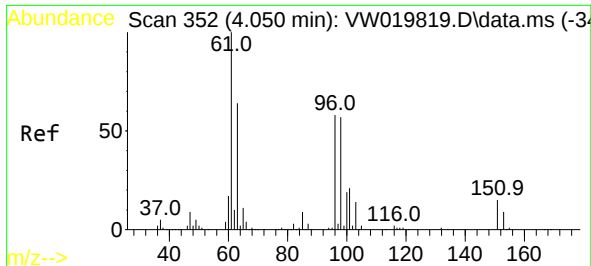
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Fri Aug 20 23:32:55 2021  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.316 ug/L

RT: 4.025 min Scan# 348

Delta R.T. -0.024 min

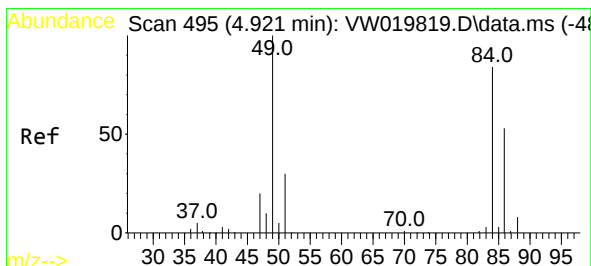
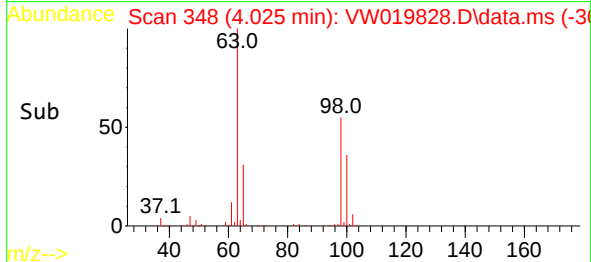
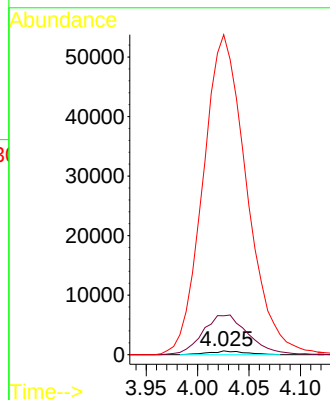
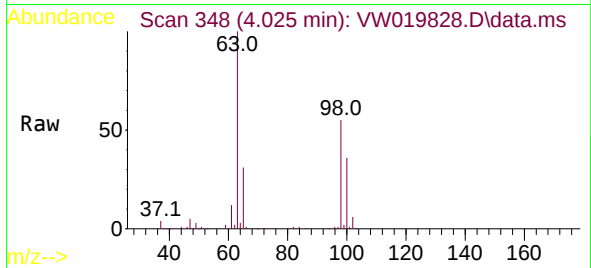
Lab File: VW019828.D

Acq: 20 Aug 2021 12:57

Tgt Ion: 96 Resp: 1527

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 1026.6 | 118.1 | 219.3# |
| 63  | 8464.9 | 83.7  | 155.5# |

Instrument :  
MSVOA\_W  
ClientSampled :



#16

Methylene chloride

Concen: 1.952 ug/L

RT: 4.922 min Scan# 495

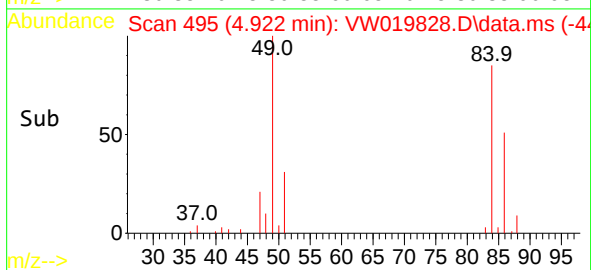
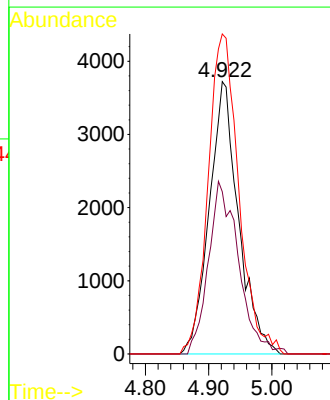
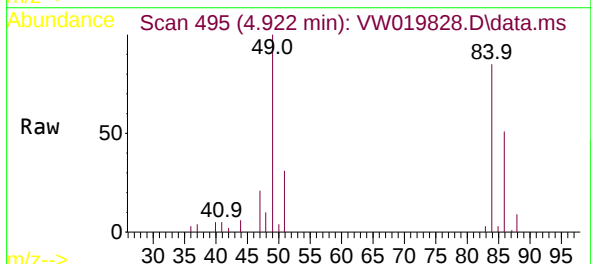
Delta R.T. 0.000 min

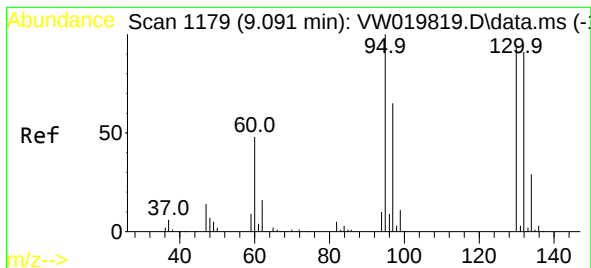
Lab File: VW019828.D

Acq: 20 Aug 2021 12:57

Tgt Ion: 84 Resp: 11939

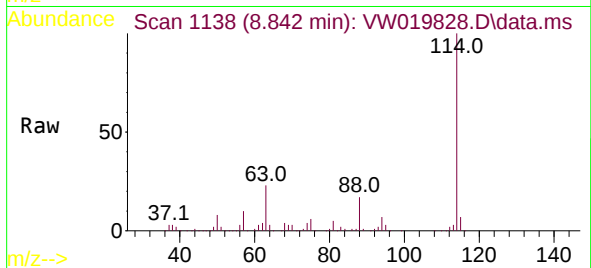
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 59.6  | 45.3  | 84.1  |
| 49  | 117.5 | 86.6  | 160.8 |





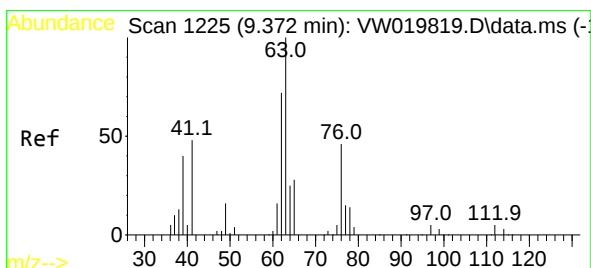
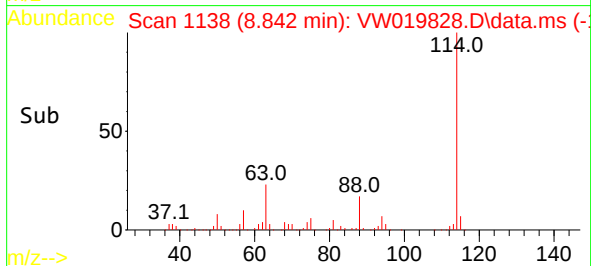
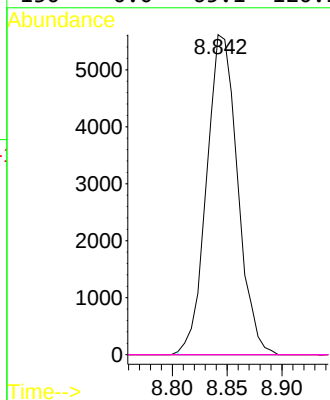
#34  
Trichloroethene  
Concen: 2.210 ug/L  
RT: 8.842 min Scan# 1138  
Delta R.T. -0.250 min  
Lab File: VW019828.D  
Acq: 20 Aug 2021 12:57

Instrument :  
MSVOA\_W  
ClientSampled :



Tgt Ion: 95 Resp: 11024

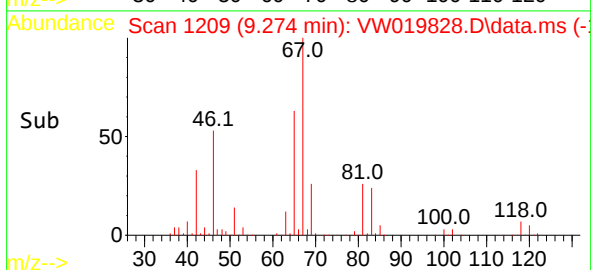
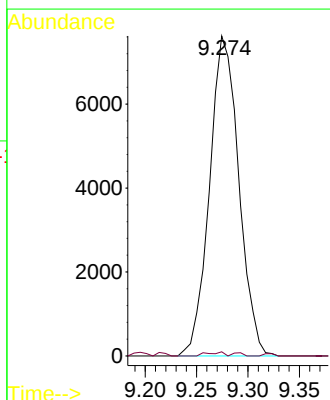
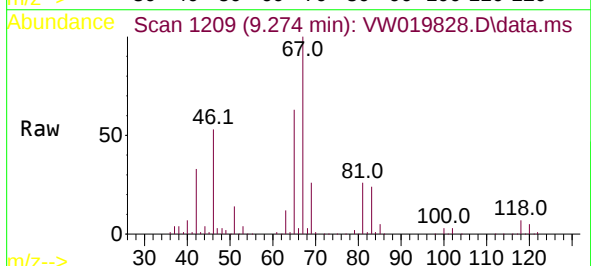
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 95  | 100   |       |        |
| 97  | 0.0   | 47.3  | 87.8#  |
| 132 | 0.0   | 71.0  | 131.8# |
| 130 | 0.0   | 65.1  | 120.9# |

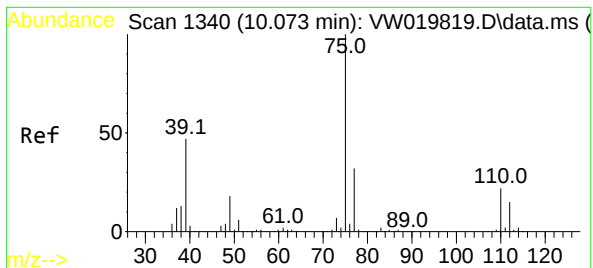


#37  
1,2-Dichloropropane  
Concen: 3.186 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.097 min  
Lab File: VW019828.D  
Acq: 20 Aug 2021 12:57

Tgt Ion: 63 Resp: 15138

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 112 | 0.2   | 3.9   | 5.9#  |





#39  
 cis-1,3-Dichloropropene  
 Concen: 0.497 ug/L  
 RT: 10.043 min Scan# 1335  
 Delta R.T. -0.030 min  
 Lab File: VW019828.D  
 Acq: 20 Aug 2021 12:57

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Tgt Ion: 75 Resp: 3479  
 Ion Ratio Lower Upper  
 75 100  
 77 48.1 22.6 42.0#

