

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120421\  
 Data File : VY006933.D  
 Acq On : 04 Dec 2021 12:08  
 Operator : SY/MD  
 Sample : M4884-03  
 Misc : 3.93g/10.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EW9H9

Quant Time: Dec 05 06:07:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMYL120321SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 04 02:26:29 2021  
 Response via : Initial Calibration

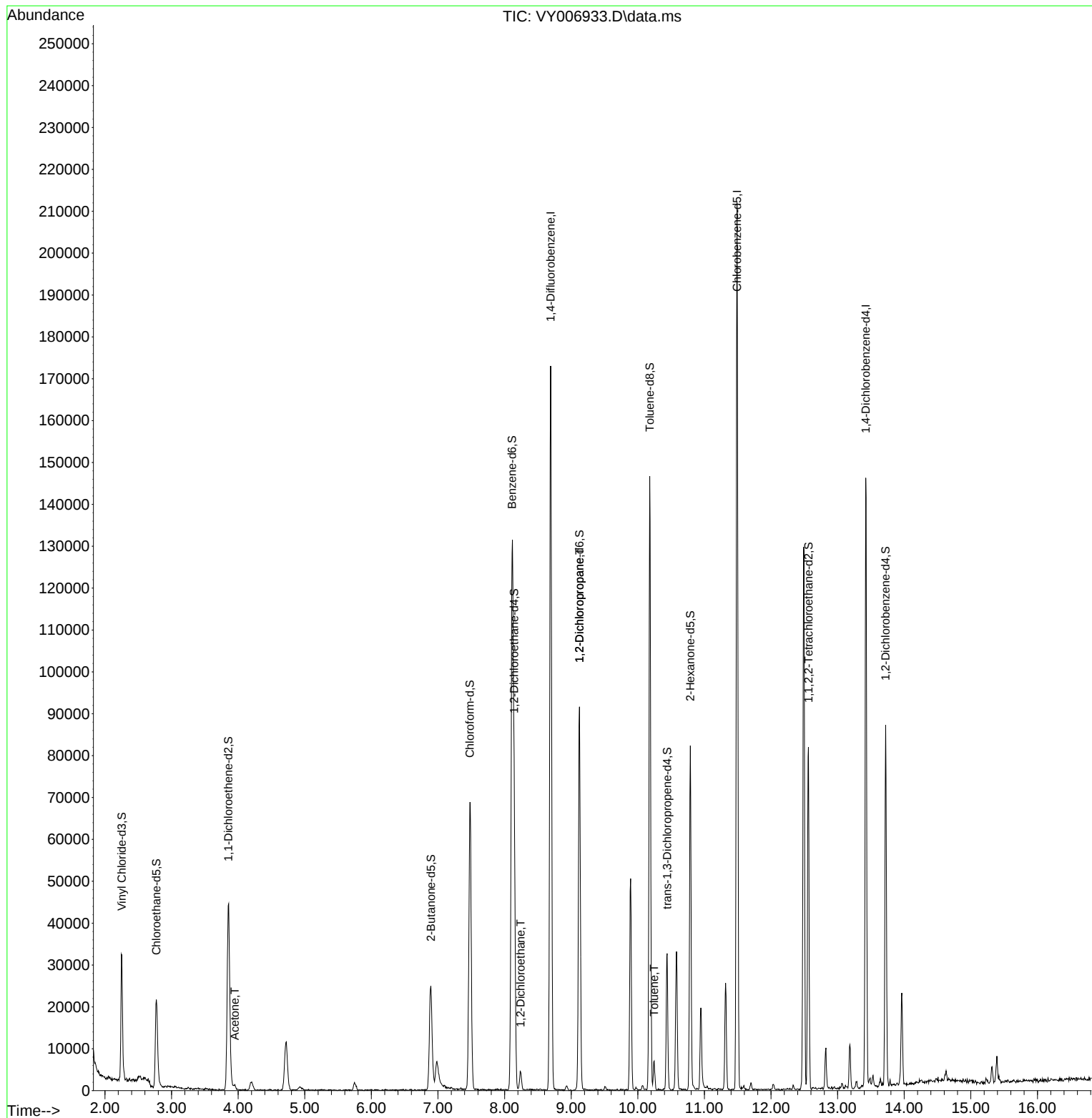
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.691  | 114   | 143521   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.489 | 117   | 112057   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 37035    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.253  | 65    | 30424    | 16.459   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 65.840%  |
| 7) Chloroethane-d5            | 2.771  | 69    | 27096    | 18.687   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 74.760%  |
| 11) 1,1-Dichloroethene-d2     | 3.850  | 63    | 42889    | 11.161   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 44.640%# |
| 21) 2-Butanone-d5             | 6.893  | 46    | 45805    | 64.158   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 128.320% |
| 24) Chloroform-d              | 7.478  | 84    | 67582    | 18.895   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 75.560%  |
| 26) 1,2-Dichloroethane-d4     | 8.142  | 65    | 47035    | 21.908   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 87.640%  |
| 32) Benzene-d6                | 8.112  | 84    | 120048   | 20.168   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 80.680%  |
| 36) 1,2-Dichloropropane-d6    | 9.124  | 67    | 40992    | 21.918   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 87.680%  |
| 41) Toluene-d8                | 10.179 | 98    | 91834    | 16.472   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 65.880%  |
| 43) trans-1,3-Dichloroprop... | 10.441 | 79    | 17416    | 19.253   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 77.000%  |
| 47) 2-Hexanone-d5             | 10.788 | 63    | 27178    | 62.788   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 125.580% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.562 | 84    | 37073    | 23.793   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 95.160%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.721 | 152   | 21185    | 17.541   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 70.160%# |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 3.948  | 43    | 1849     | 2.826    | ug/L   | 89       |
| 27) 1,2-Dichloroethane        | 8.240  | 62    | 3950     | 1.389    | ug/L # | 90       |
| 37) 1,2-Dichloropropane       | 9.124  | 63    | 4682     | 2.424    | ug/L # | 87       |
| 42) Toluene                   | 10.246 | 91    | 5261     | 0.655    | ug/L   | 89       |
| -----                         |        |       |          |          |        |          |

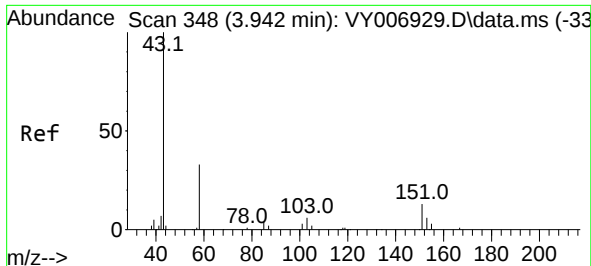
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.826 ug/L

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY006933.D

Acq: 04 Dec 2021 12:08

Instrument :

MSVOA\_Y

ClientSampleId :

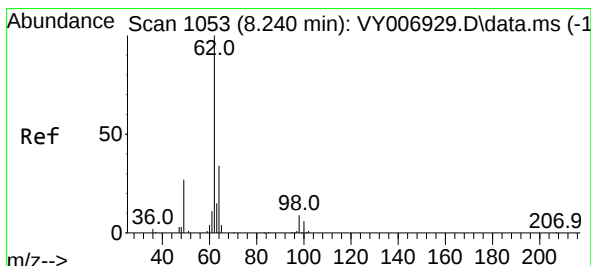
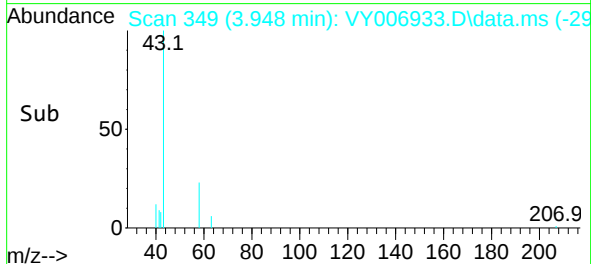
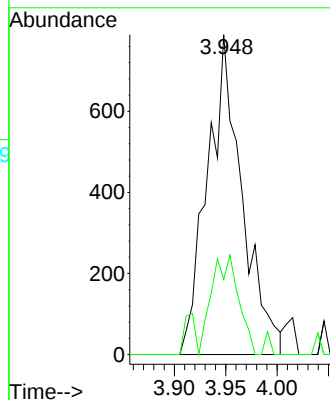
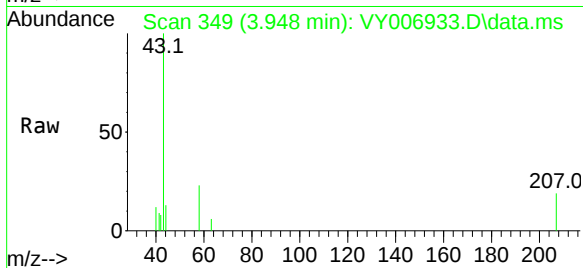
EW9H9

Tgt Ion: 43 Resp: 1849

Ion Ratio Lower Upper

43 100

58 24.2 0.0 60.8



#27

1,2-Dichloroethane

Concen: 1.389 ug/L

RT: 8.240 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VY006933.D

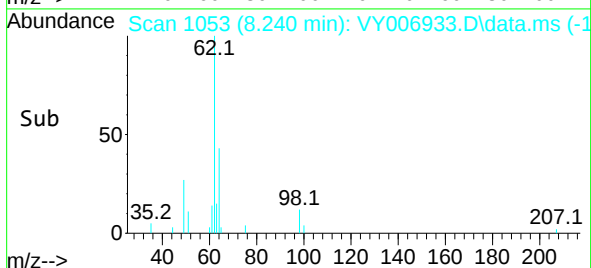
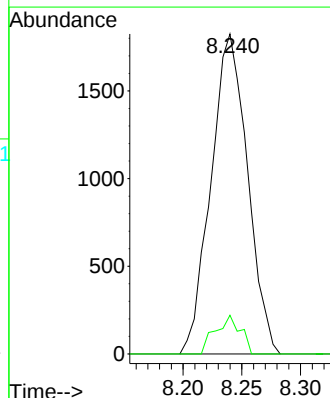
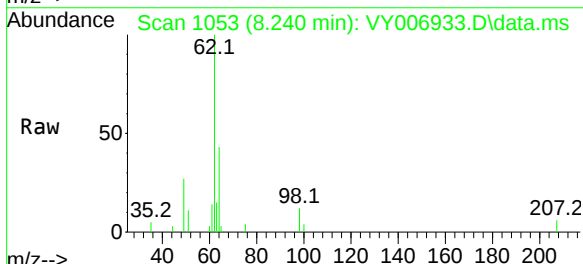
Acq: 04 Dec 2021 12:08

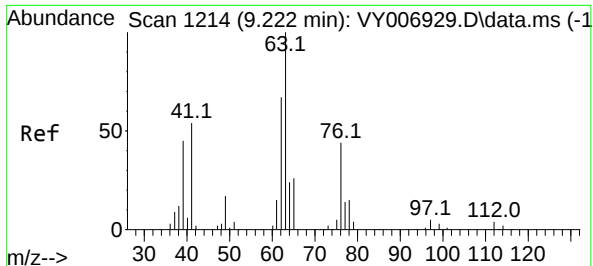
Tgt Ion: 62 Resp: 3950

Ion Ratio Lower Upper

62 100

98 12.1 6.9 10.3#





#37

1,2-Dichloropropane

Concen: 2.424 ug/L

RT: 9.124 min Scan# 1198

Delta R.T. -0.092 min

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Acq: 04 Dec 2021 12:08

Instrument :

MSVOA\_Y

ClientSampleId :

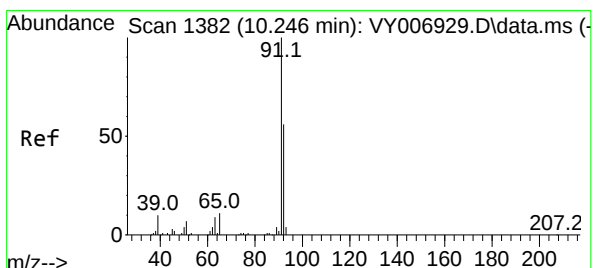
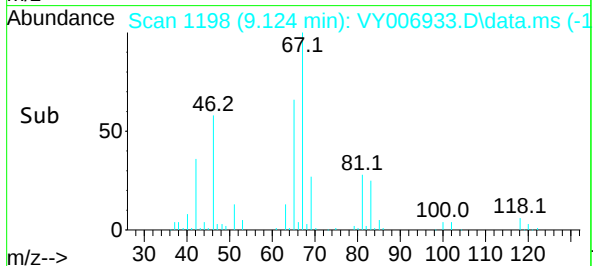
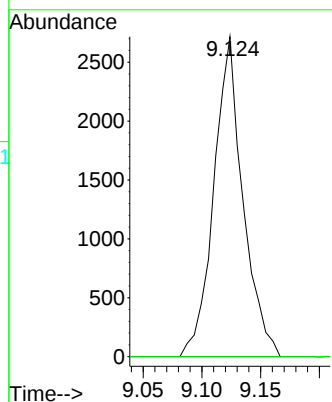
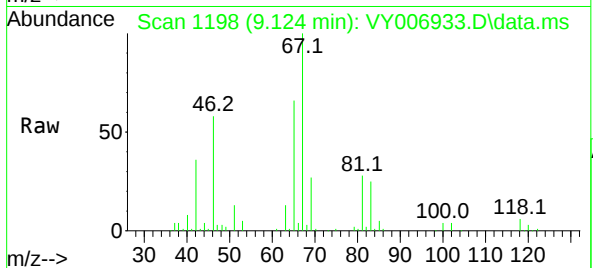
EW9H9

Tgt Ion: 63 Resp: 4682

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#42

Toluene

Concen: 0.655 ug/L

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY006933.D

Acq: 04 Dec 2021 12:08

Tgt Ion: 91 Resp: 5261

Ion Ratio Lower Upper

91 100

92 48.9 39.8 74.0

