

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060923\  
 Data File : VV031494.D  
 Acq On : 09 Jun 2023 15:08  
 Operator : SY/MD  
 Sample : 03078-14  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESQX5

Quant Time: Jun 10 01:42:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM060723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 10 01:38:32 2023  
 Response via : Initial Calibration

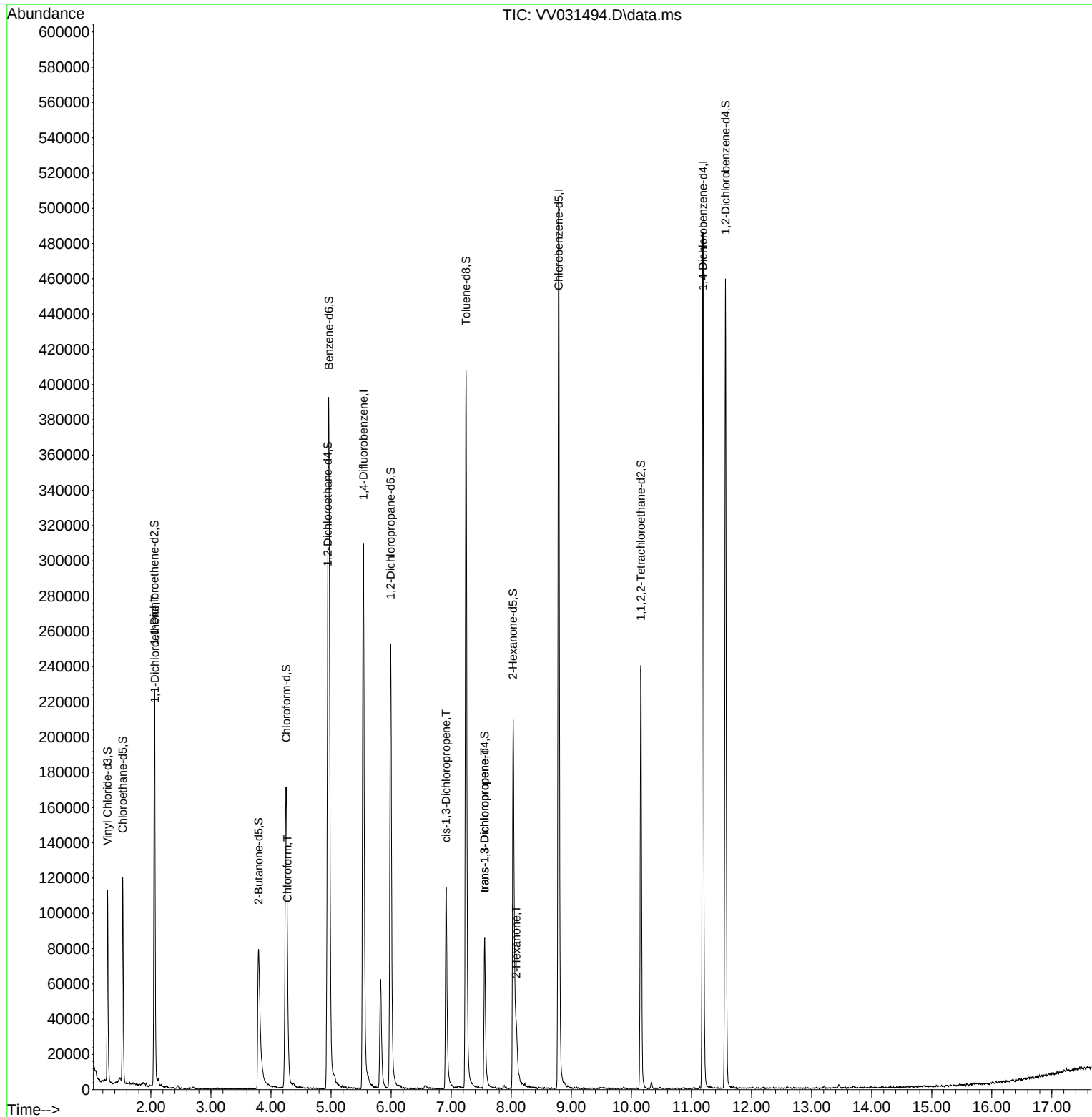
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.538          | 114  | 254318     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789          | 117  | 262143     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191         | 152  | 123957     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 72385      | 32.350   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 64.700%  |        |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 74039      | 40.870   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 81.740%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.059          | 65   | 40124      | 37.836   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 75.680%  |        |          |
| 21) 2-Butanone-d5             | 3.793          | 46   | 144620     | 89.433   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 89.430%  |        |          |
| 24) Chloroform-d              | 4.252          | 84   | 187808     | 44.125   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.260%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.944          | 65   | 132434     | 46.382   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.760%  |        |          |
| 32) Benzene-d6                | 4.963          | 84   | 326577     | 42.196   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.400%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.992          | 67   | 123276     | 45.824   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 91.640%  |        |          |
| 41) Toluene-d8                | 7.246          | 98   | 273223     | 38.430   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 76.860%# |        |          |
| 43) trans-1,3-Dichloroprop... | 7.558          | 79   | 51713      | 38.161   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 76.320%  |        |          |
| 47) 2-Hexanone-d5             | 8.030          | 63   | 67020      | 66.145   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 66.150%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159         | 84   | 115466     | 34.010   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 68.020%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.567         | 152  | 114166     | 49.649   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 99.300%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.066          | 96   | 1140       | 1.124    | ug/L # | 1        |
| 25) Chloroform                | 4.275          | 83   | 8813       | 2.375    | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 6.915          | 75   | 2995       | 0.963    | ug/L   | 93       |
| 44) trans-1,3-Dichloropropene | 7.558          | 75   | 2683       | 0.850    | ug/L   | 94       |
| 48) 2-Hexanone                | 8.085          | 43   | 20221      | 7.638    | ug/L # | 85       |
| -----                         |                |      |            |          |        |          |

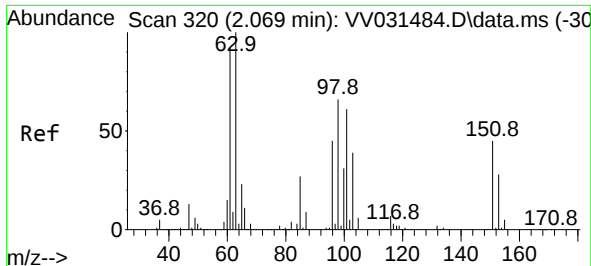
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 10 01:38:32 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.124 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV031494.D

Acq: 09 Jun 2023 15:08

Instrument :

MSVOA\_V

ClientSampleId :

ESQX5

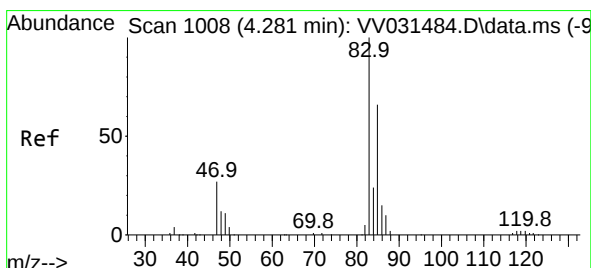
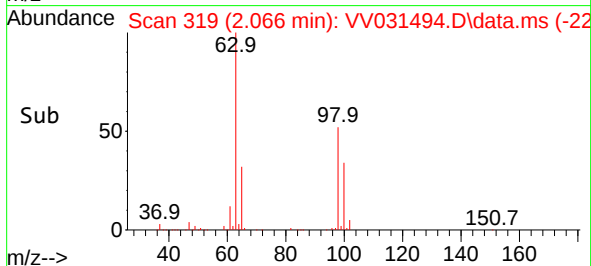
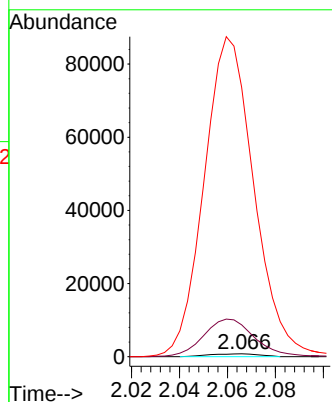
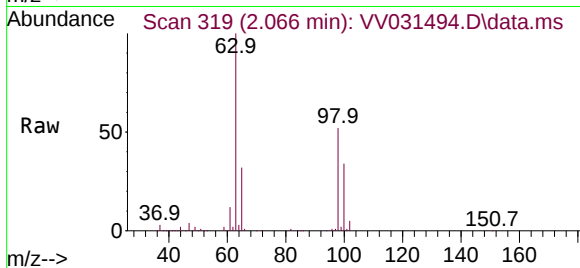
Tgt Ion: 96 Resp: 1140

Ion Ratio Lower Upper

96 100

61 1107.5 143.9 267.3#

63 9360.1 158.3 293.9#



#25

Chloroform

Concen: 2.375 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. -0.006 min

Lab File: VV031494.D

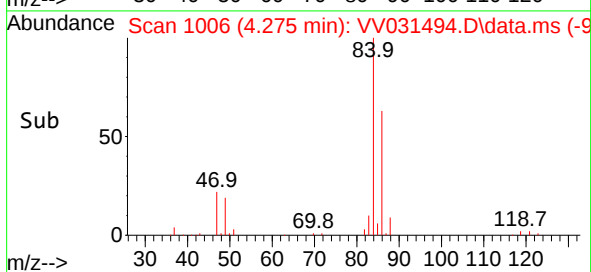
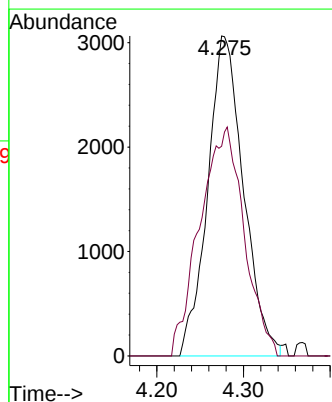
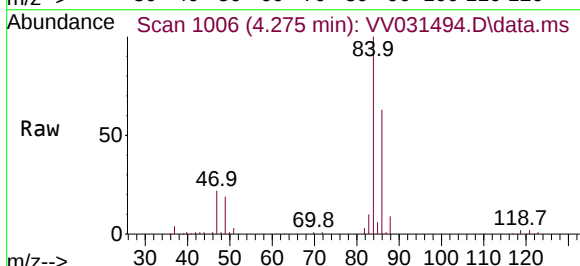
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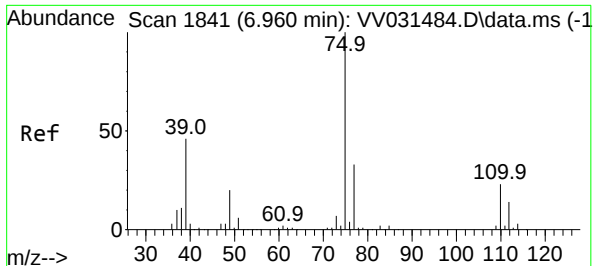
Tgt Ion: 83 Resp: 8813

Ion Ratio Lower Upper

83 100

85 65.6 43.9 81.5





#39

cis-1,3-Dichloropropene

Concen: 0.963 ug/L

RT: 6.915 min Scan# 11

Delta R.T. -0.045 min

Lab File: VV031494.D

Acq: 09 Jun 2023 15:08

Instrument :

MSVOA\_V

ClientSampleId :

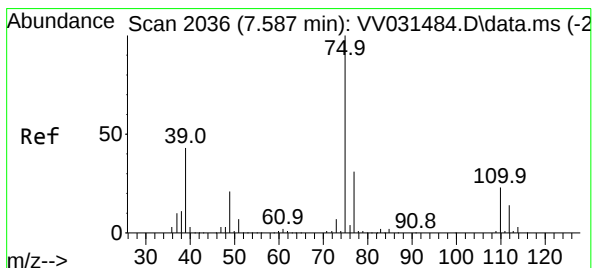
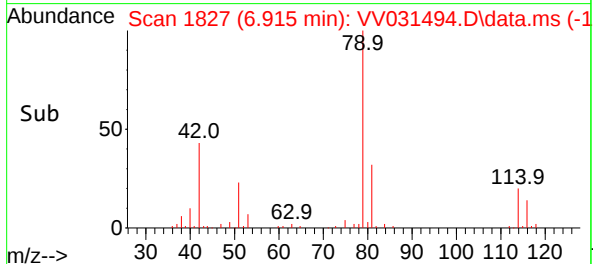
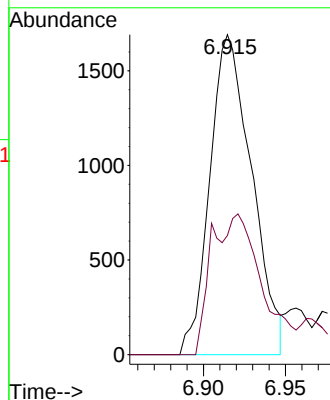
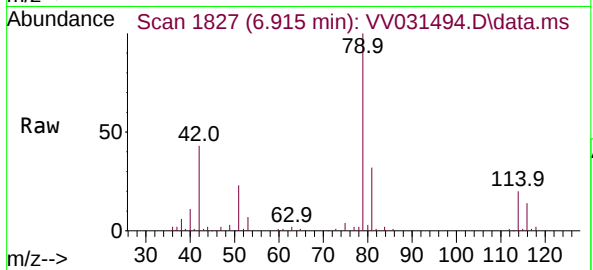
ESQX5

Tgt Ion: 75 Resp: 2995

Ion Ratio Lower Upper

75 100

77 37.3 23.2 43.2



#44

trans-1,3-Dichloropropene

Concen: 0.850 ug/L

RT: 7.558 min Scan# 2027

Delta R.T. -0.029 min

Lab File: VV031494.D

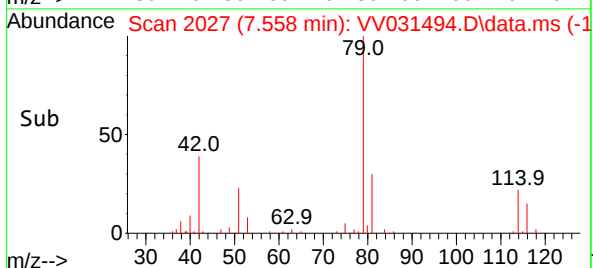
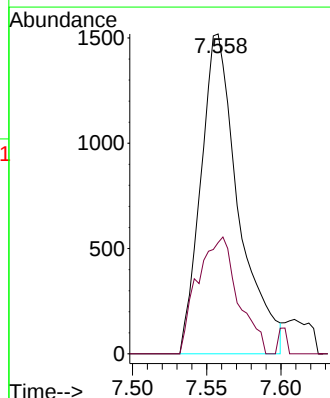
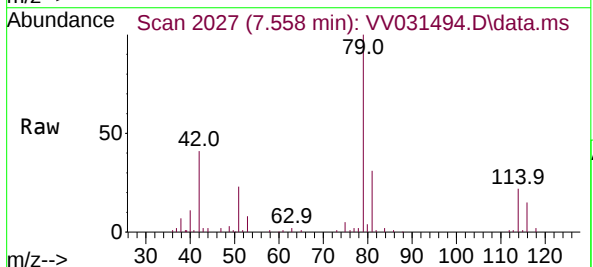
Acq: 09 Jun 2023 15:08

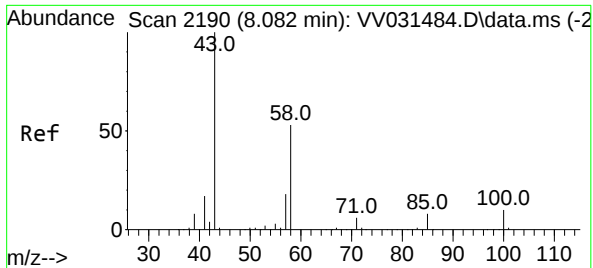
Tgt Ion: 75 Resp: 2683

Ion Ratio Lower Upper

75 100

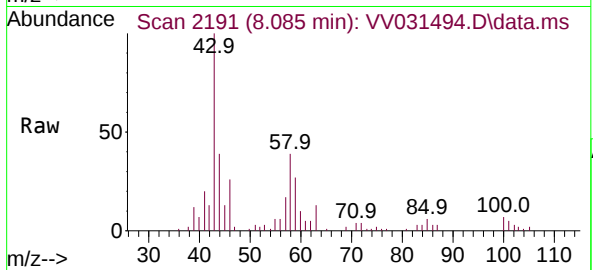
77 34.8 22.2 41.2





#48  
 2-Hexanone  
 Concen: 7.638 ug/L  
 RT: 8.085 min Scan# 2190  
 Delta R.T. 0.003 min  
 Lab File: VV031494.D  
 Acq: 09 Jun 2023 15:08

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESQX5



|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 20221     |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 58          | 40.9 42.9 64.3# |
| 57          | 14.8 14.6 22.0  |
| 100         | 4.2 8.2 12.2#   |

