

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061623\  
 Data File : VW031577.D  
 Acq On : 16 Jun 2023 15:33  
 Operator : SY/MD  
 Sample : 03249-07  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYS9

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 06/22/2023  
 Supervised By :Mahesh Dadoda 06/22/2023

Quant Time: Jun 17 02:30:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 17 02:08:04 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.545          | 114  | 154964     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792          | 117  | 161055     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191         | 152  | 75620      | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281          | 65   | 40210      | 38.988   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 77.980%  |        |          |
| 7) Chloroethane-d5            | 1.535          | 69   | 40885      | 45.434   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 90.860%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.066          | 65   | 22233      | 41.828   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 83.660%  |        |          |
| 21) 2-Butanone-d5             | 3.799          | 46   | 101737     | 121.826  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 121.830% |        |          |
| 24) Chloroform-d              | 4.259          | 84   | 111772     | 43.274   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.540%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.950          | 65   | 78758      | 48.735   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.480%  |        |          |
| 32) Benzene-d6                | 4.969          | 84   | 188416     | 41.562   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 83.120%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.995          | 67   | 71576      | 44.547   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 89.100%  |        |          |
| 41) Toluene-d8                | 7.252          | 98   | 150890     | 36.271   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 72.540%# |        |          |
| 43) trans-1,3-Dichloroprop... | 7.558          | 79   | 32723      | 41.777   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 83.560%  |        |          |
| 47) 2-Hexanone-d5             | 8.034          | 63   | 68494      | 107.966  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 107.970% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159         | 84   | 118675     | 48.933   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 97.860%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.567         | 152  | 67416      | 46.770   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 93.540%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.076          | 96   | 5018       | 4.376    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.121          | 63   | 22823      | 8.835    | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.825          | 96   | 4738m      | 3.663    | ug/L   |          |
| 25) Chloroform                | 4.288          | 83   | 8425       | 3.137    | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 4.523          | 97   | 133566     | 51.726   | ug/L   | 99       |
| 34) Trichloroethene           | 5.844          | 95   | 2747       | 1.917    | ug/L # | 72       |
| 46) Tetrachloroethene         | 7.915          | 164  | 4021       | 3.576    | ug/L   | 97       |
| -----                         |                |      |            |          |        |          |

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

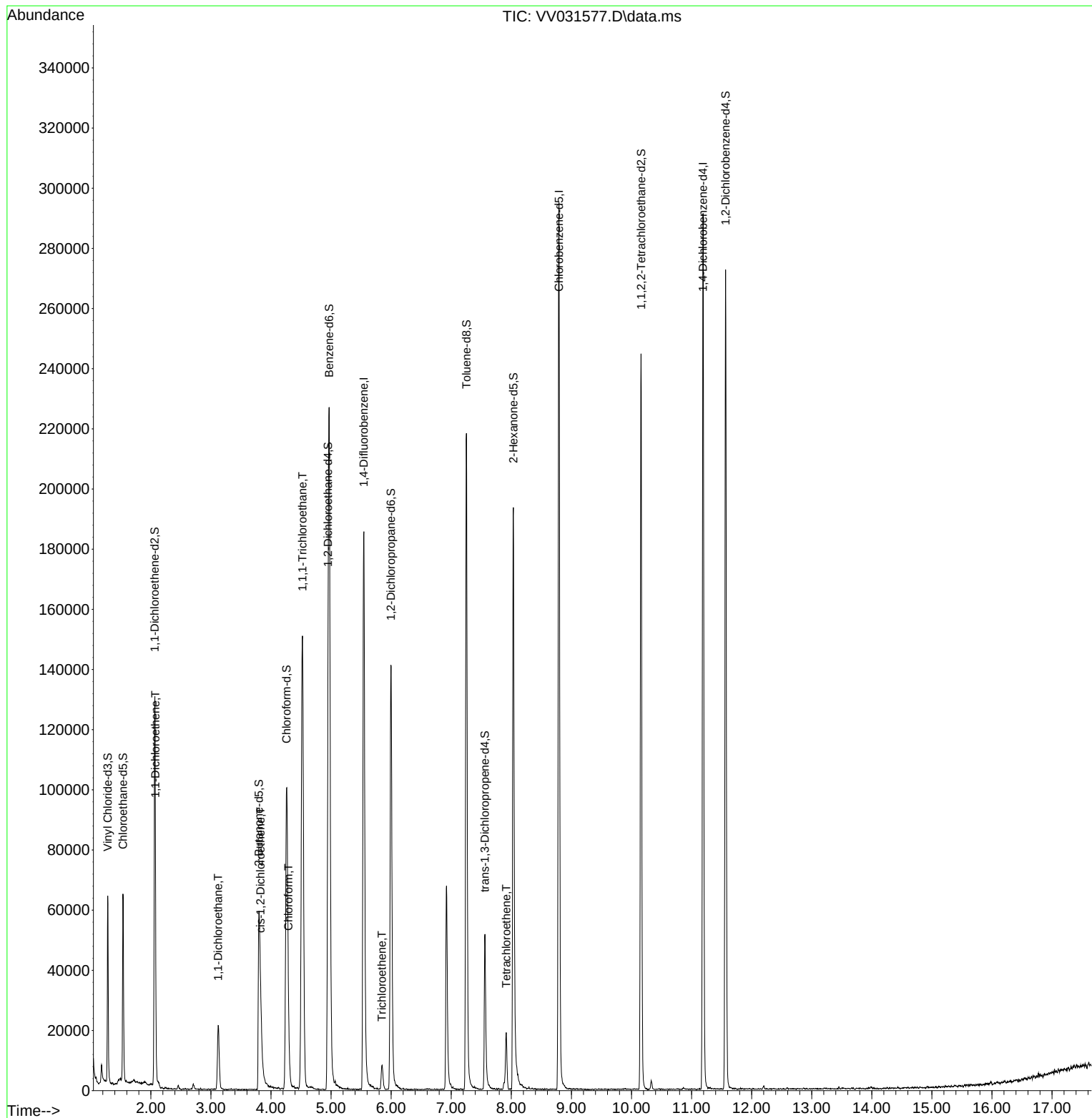
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061623\  
Data File : VV031577.D  
Acq On : 16 Jun 2023 15:33  
Operator : SY/MD  
Sample : 03249-07  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 17 Sample Multiplier: 1

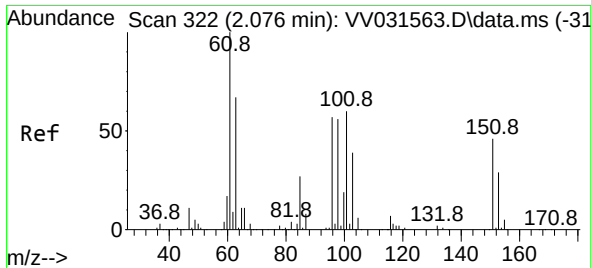
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYS9

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Supervised By :Mahesh Dadoda 06/22/2023

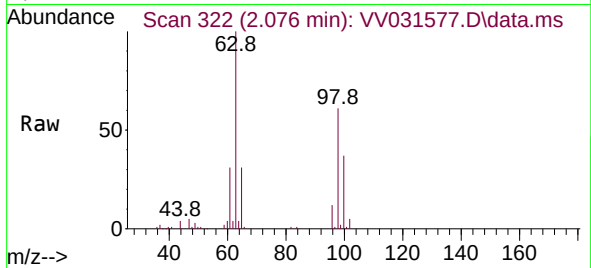
Quant Time: Jun 17 02:30:00 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Jun 17 02:08:04 2023  
Response via : Initial Calibration





#12  
 1,1-Dichloroethene  
 Concen: 4.376 ug/L  
 RT: 2.076 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VV031577.D  
 Acq: 16 Jun 2023 15:33

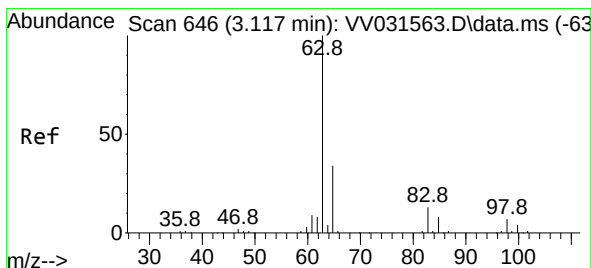
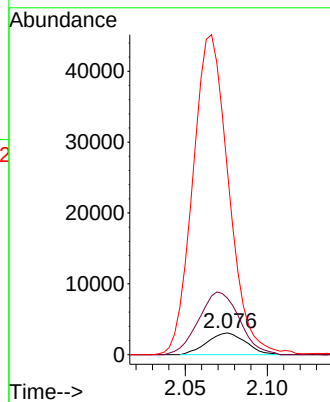
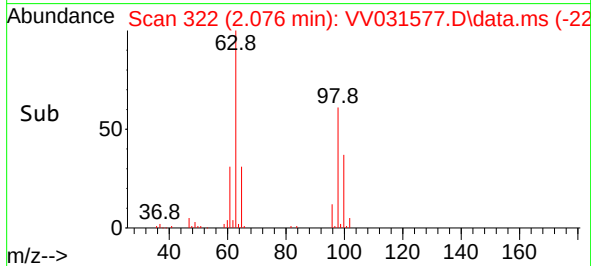
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYS9



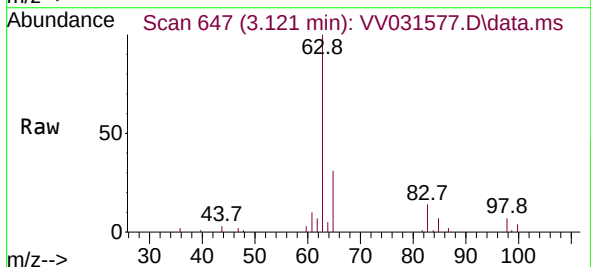
Tgt Ion: 96 Resp: 5018  
 Ion Ratio Lower Upper  
 96 100  
 61 233.0 128.9 239.5  
 63 759.3 95.3 177.1

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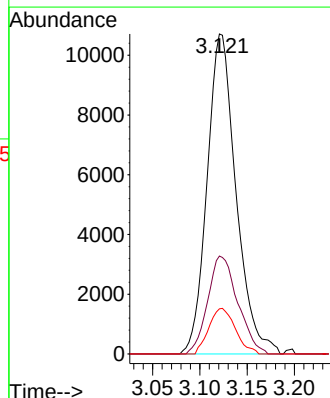
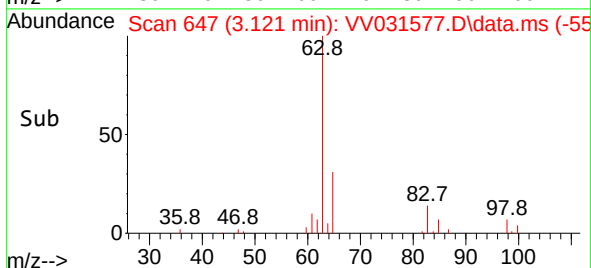
Reviewed By :Krupa Patel 06/22/2023  
 Supervised By :Mahesh Dadoda 06/22/2023

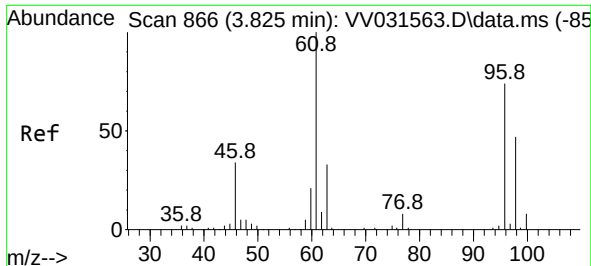


#19  
 1,1-Dichloroethane  
 Concen: 8.835 ug/L  
 RT: 3.121 min Scan# 647  
 Delta R.T. 0.003 min  
 Lab File: VV031577.D  
 Acq: 16 Jun 2023 15:33



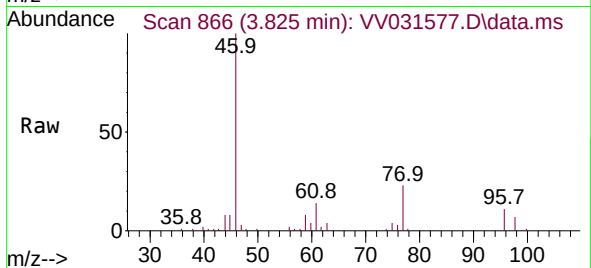
Tgt Ion: 63 Resp: 22823  
 Ion Ratio Lower Upper  
 63 100  
 65 30.6 22.5 41.7  
 83 14.1 10.0 18.6





#20  
cis-1,2-Dichloroethene  
Concen: 3.663 ug/L m  
RT: 3.825 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VV031577.D  
Acq: 16 Jun 2023 15:33

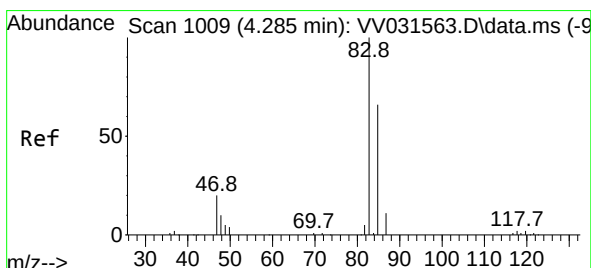
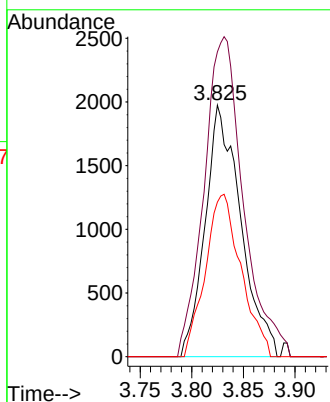
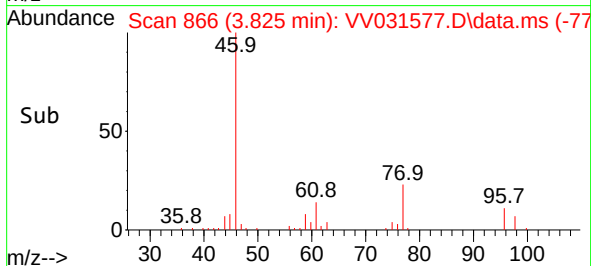
Instrument :  
MSVOA\_V  
ClientSampleId :  
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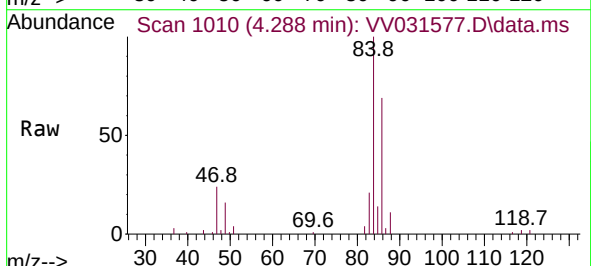
Tgt Ion: 96 Resp: 4738  
Ion Ratio Lower Upper  
96 100  
61 121.2 98.6 183.0  
98 61.5 45.7 84.9

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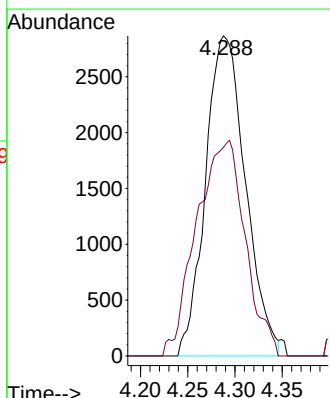
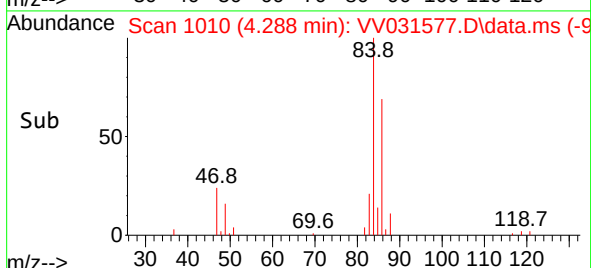
Reviewed By :Krupa Patel 06/22/2023  
Supervised By :Mahesh Dadoda 06/22/2023

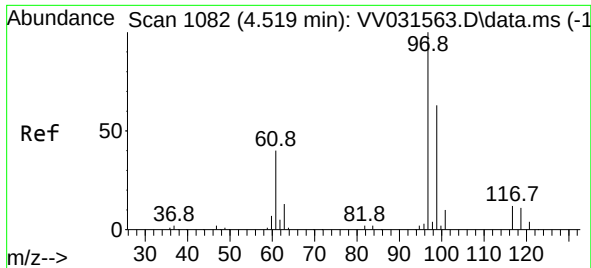


#25  
Chloroform  
Concen: 3.137 ug/L  
RT: 4.288 min Scan# 1010  
Delta R.T. 0.003 min  
Lab File: VV031577.D  
Acq: 16 Jun 2023 15:33



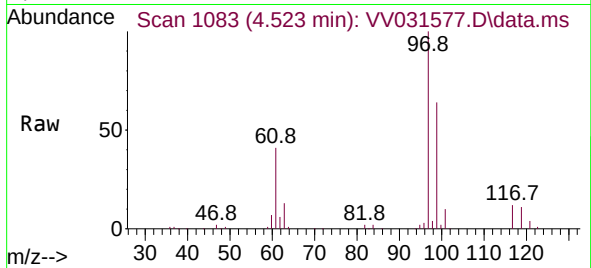
Tgt Ion: 83 Resp: 8425  
Ion Ratio Lower Upper  
83 100  
85 65.2 45.3 84.1





#30  
1,1,1-Trichloroethane  
Concen: 51.726 ug/L  
RT: 4.523 min Scan# 1082  
Delta R.T. 0.003 min  
Lab File: VV031577.D  
Acq: 16 Jun 2023 15:33

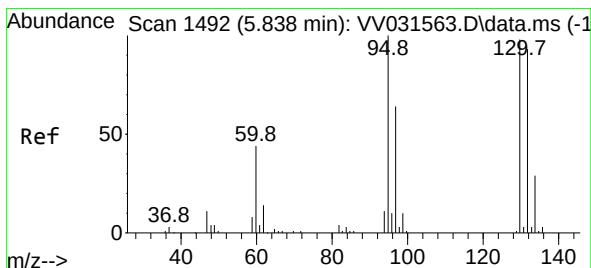
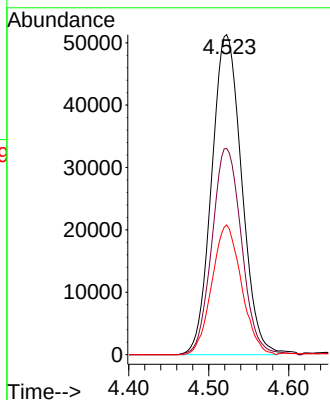
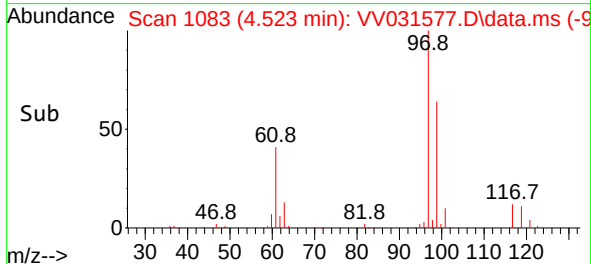
Instrument :  
MSVOA\_V  
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Tgt Ion: 97 Resp: 13356  
Ion Ratio Lower Upper  
97 100  
99 63.9 51.8 77.6  
61 40.0 33.0 49.6

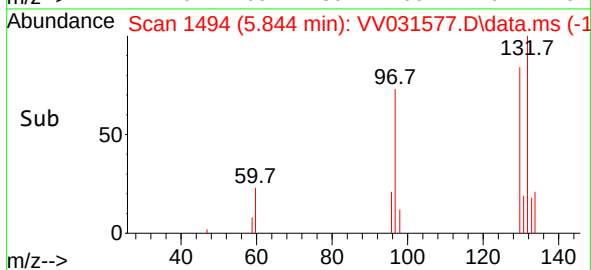
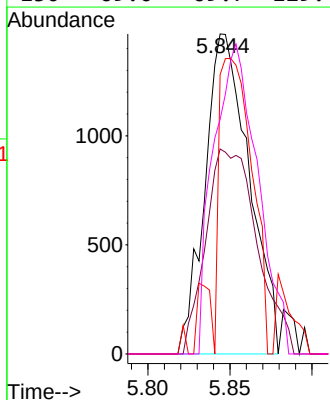
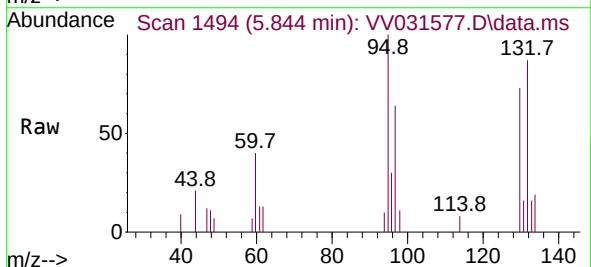
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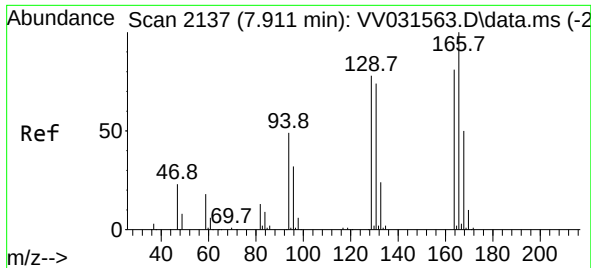
Reviewed By :Krupa Patel 06/22/2023  
Supervised By :Mahesh Dadoda 06/22/2023



#34  
Trichloroethene  
Concen: 1.917 ug/L  
RT: 5.844 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: VV031577.D  
Acq: 16 Jun 2023 15:33

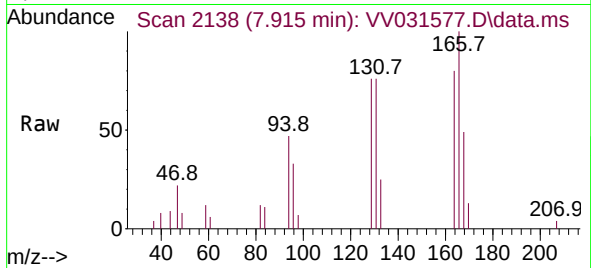
Tgt Ion: 95 Resp: 2747  
Ion Ratio Lower Upper  
95 100  
97 49.3 46.8 86.8  
132 67.2 66.4 123.2  
130 69.0 69.7 129.4#





#46  
Tetrachloroethene  
Concen: 3.576 ug/L  
RT: 7.915 min Scan# 2137  
Delta R.T. 0.003 min  
Lab File: VV031577.D  
Acq: 16 Jun 2023 15:33

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYS9



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 402   |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 94.9  | 68.4  | 127.0 |
| 131      | 95.5  | 67.6  | 125.6 |
| 166      | 125.1 | 91.3  | 169.5 |

Manual Integrations  
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