

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122221\  
 Data File : VW021606.D  
 Acq On : 23 Dec 2021 12:03  
 Operator : SY/VA  
 Sample : M5174-02  
 Misc : 6.79g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GBC13

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/24/2021  
 Supervised By : Mahesh Dadoda 01/02/2022

Quant Time: Dec 24 00:32:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 24 00:28:54 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 65171      | 25.000    | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 44162      | 25.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 11770      | 25.000    | ug/L   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 4) Vinyl Chloride-d3          | 2.349          | 65   | 20786      | 17.512    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 70.040%   |        |          |
| 7) Chloroethane-d5            | 2.879          | 69   | 15787      | 20.120    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 80.480%   |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.013          | 63   | 24912      | 15.743    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 62.960%   |        |          |
| 21) 2-Butanone-d5             | 7.080          | 46   | 21506      | 128.539   | ug/L   | -0.02    |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 257.080%# |        |          |
| 24) Chloroform-d              | 7.653          | 84   | 40789      | 22.459    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 89.840%   |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 26133      | 27.051    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 108.200%  |        |          |
| 32) Benzene-d6                | 8.275          | 84   | 70605      | 29.167    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 116.680%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 20342      | 31.334    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 125.320%# |        |          |
| 41) Toluene-d8                | 10.323         | 98   | 54774      | 22.146    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 88.600%   |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 6889       | 23.046    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 92.200%   |        |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 13376      | 139.336   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 278.680%# |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 13757      | 24.651    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 98.600%   |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 7092       | 15.547    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 62.200%#  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           | Qvalue |          |
| 13) Acetone                   | 4.141          | 43   | 8286       | 55.244    | ug/L   | 96       |
| 22) 2-Butanone                | 7.177          | 43   | 1426       | 7.280     | ug/L   | 77       |
| 29) Cyclohexane               | 7.951          | 56   | 524m       | 0.596     | ug/L   |          |
| 35) Methylcyclohexane         | 9.335          | 83   | 726        | 0.652     | ug/L   | # 90     |
| 42) Toluene                   | 10.390         | 91   | 6708       | 2.384     | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.859         | 164  | 330        | 0.514     | ug/L   | # 74     |
| 52) Ethylbenzene              | 11.731         | 91   | 5483       | 1.705     | ug/L   | 91       |
| 53) m,p-Xylene                | 11.841         | 106  | 788        | 0.608     | ug/L   | 70       |
| -----                         |                |      |            |           |        |          |

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

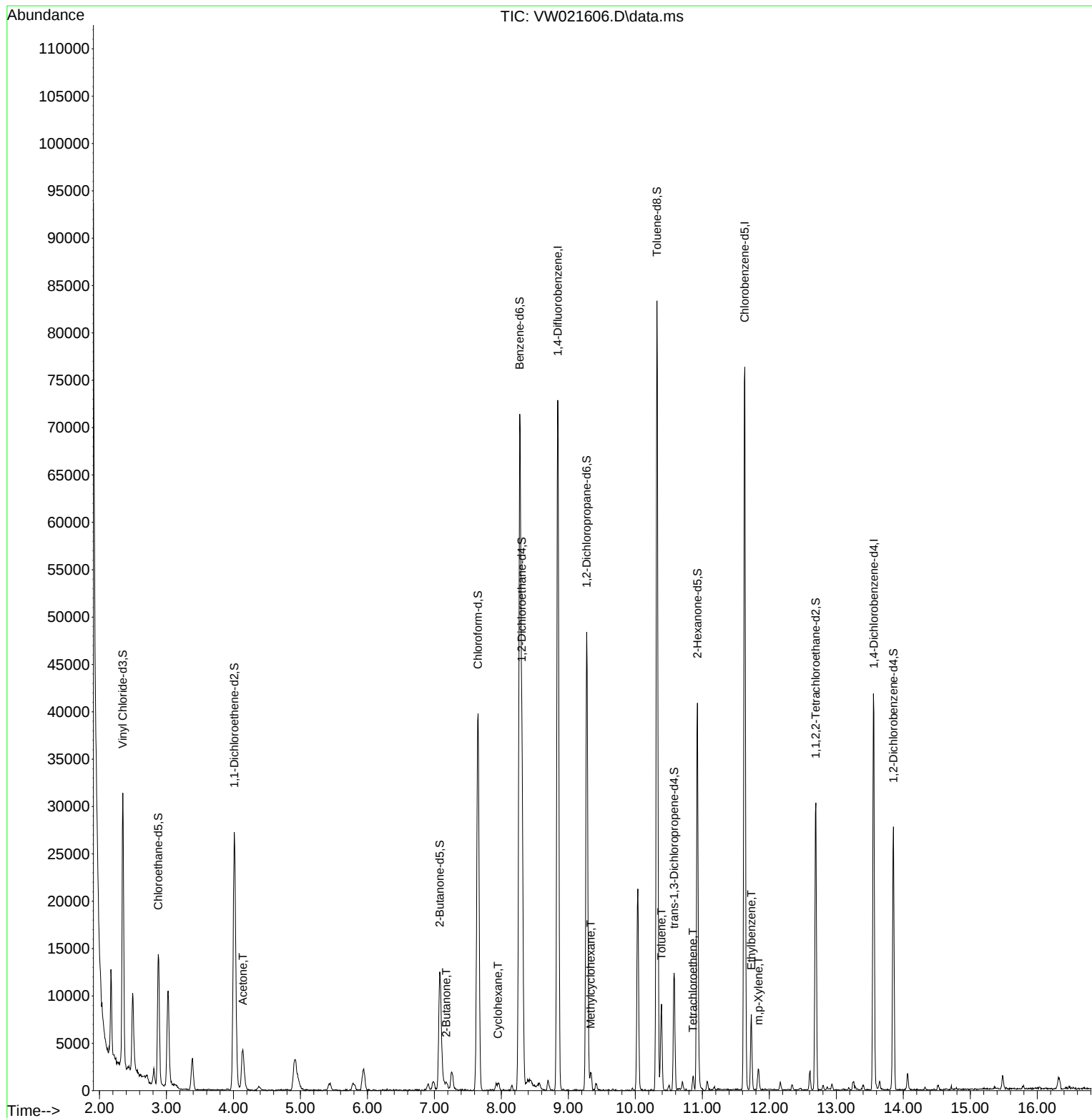
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122221\  
Data File : VW021606.D  
Acq On : 23 Dec 2021 12:03  
Operator : SY/VA  
Sample : M5174-02  
Misc : 6.79g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

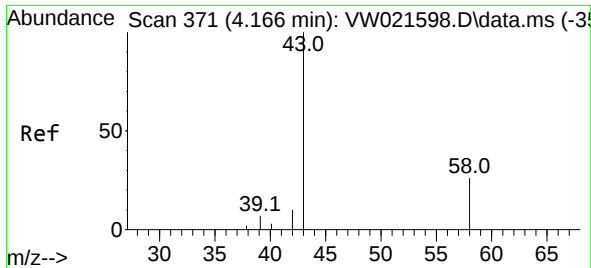
Instrument :  
MSVOA\_W  
ClientSampleId :  
GBC13

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Supervised By : Mahesh Dadoda 01/02/2022

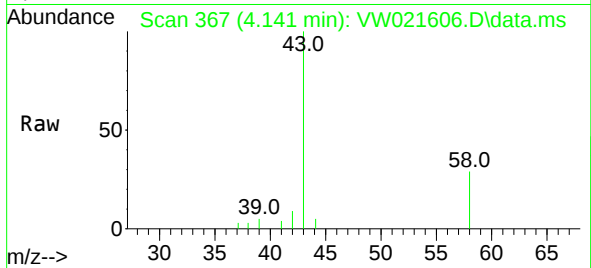
Quant Time: Dec 24 00:32:18 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Dec 24 00:28:54 2021  
Response via : Initial Calibration





#13  
Acetone  
Concen: 55.244 ug/L  
RT: 4.141 min Scan# 30  
Delta R.T. -0.025 min  
Lab File: VW021606.D  
Acq: 23 Dec 2021 12:03

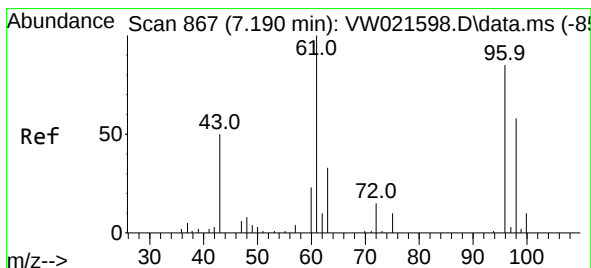
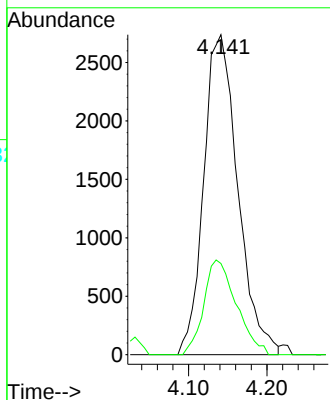
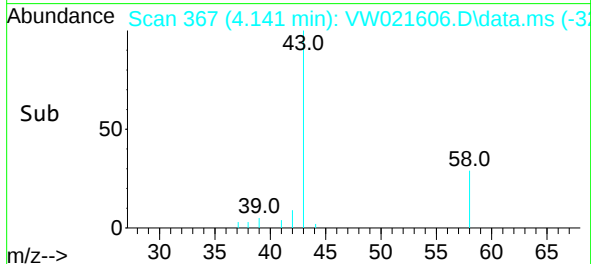
Instrument :  
MSVOA\_W  
ClientSampleId :  
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Tgt Ion: 43 Resp: 828  
Ion Ratio Lower Upper  
43 100  
58 28.2 0.0 52.8

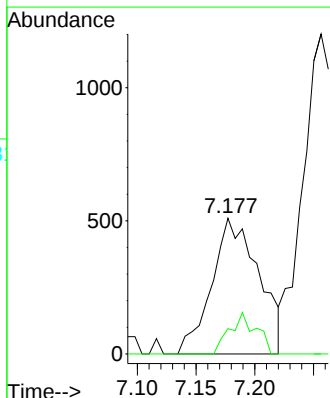
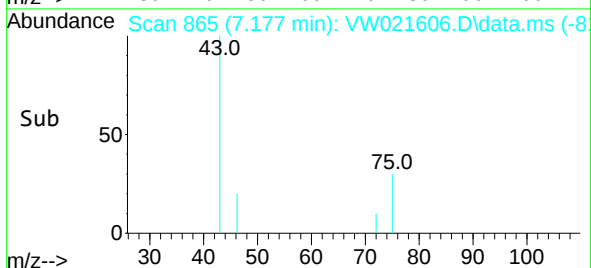
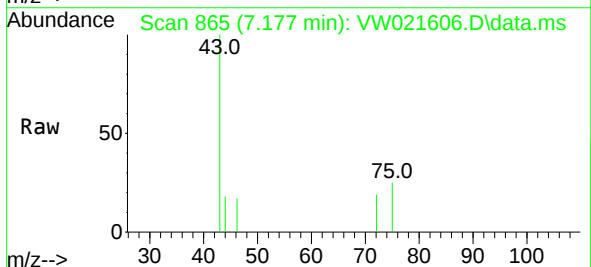
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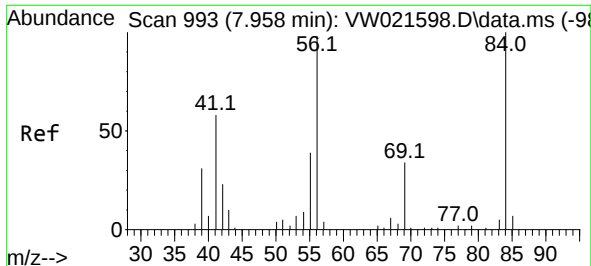
Reviewed By :Semsettin Yesilyurt 12/24/2021  
Supervised By :Mahesh Dadoda 01/02/2022



#22  
2-Butanone  
Concen: 7.280 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. -0.012 min  
Lab File: VW021606.D  
Acq: 23 Dec 2021 12:03

Tgt Ion: 43 Resp: 1426  
Ion Ratio Lower Upper  
43 100  
72 12.3 11.8 35.4





#29

Cyclohexane

Concen: 0.596 ug/L m

RT: 7.951 min Scan# 993

Delta R.T. -0.006 min

Lab File: VW021606.D

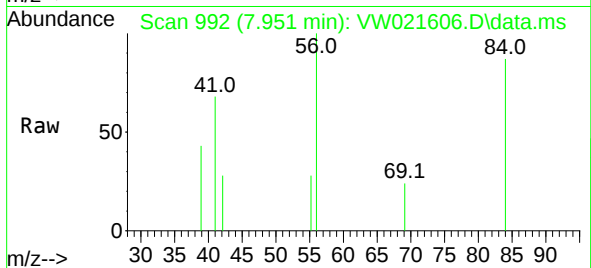
Acq: 23 Dec 2021 12:03

Instrument :

MSVOA\_W

ClientSampleId :

GBC13

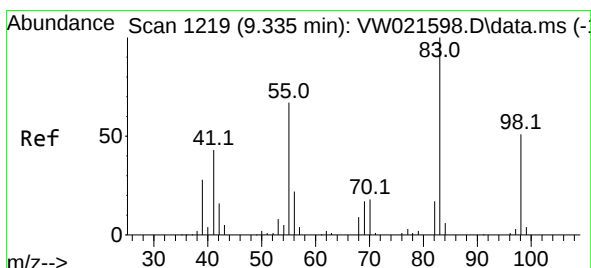
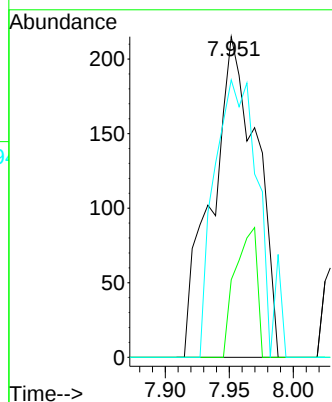
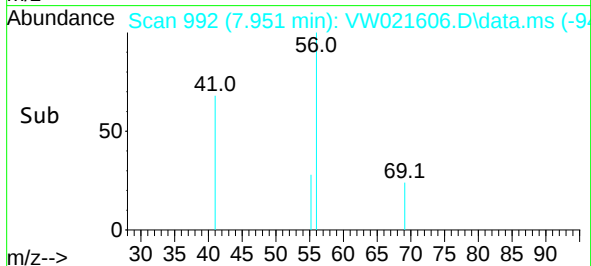


|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 56    | Resp: | 524  |
| Ion Ratio | Lower | Upper |      |
| 56        | 100   |       |      |
| 69        | 0.0   | 23.5  | 35.3 |
| 84        | 80.7  | 63.4  | 95.2 |

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#35

Methylcyclohexane

Concen: 0.652 ug/L

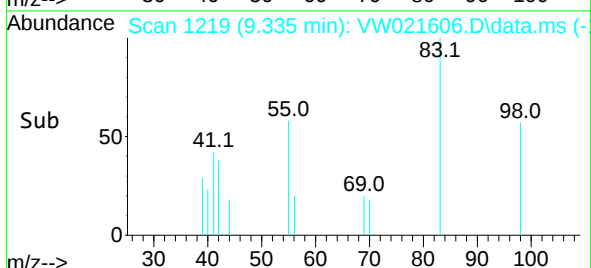
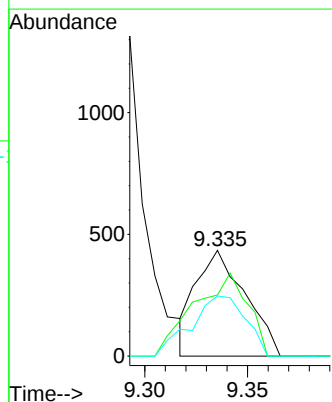
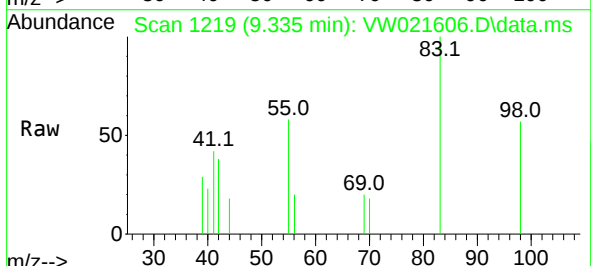
RT: 9.335 min Scan# 1219

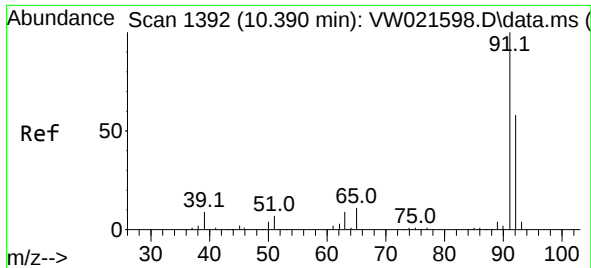
Delta R.T. -0.000 min

Lab File: VW021606.D

Acq: 23 Dec 2021 12:03

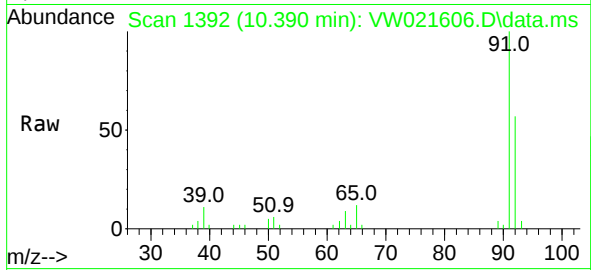
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 726   |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 85.5  | 70.8  | 106.2 |
| 98        | 62.8  | 37.7  | 56.5  |





#42  
Toluene  
Concen: 2.384 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW021606.D  
Acq: 23 Dec 2021 12:03

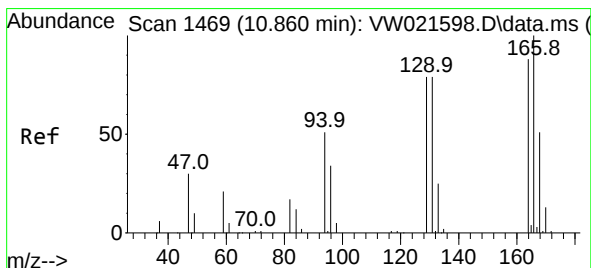
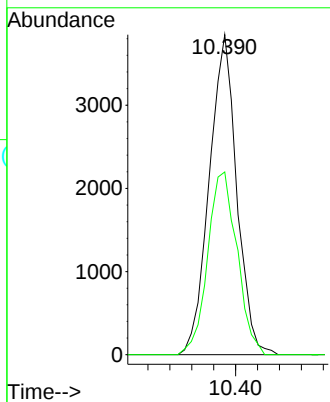
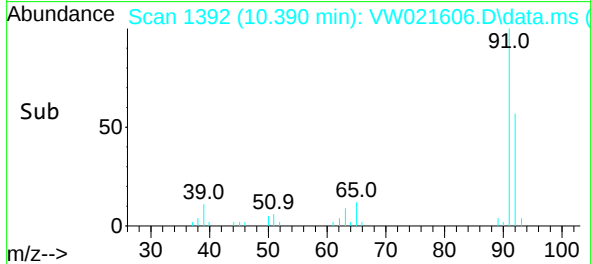
Instrument : MSVOA\_W  
ClientSampleId : GBC13



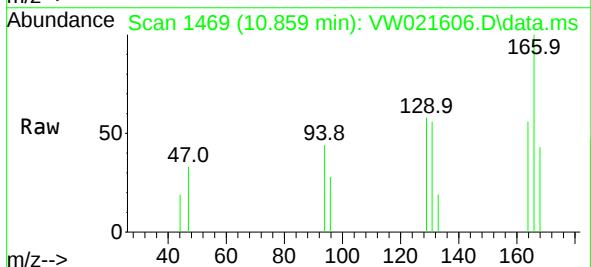
Tgt Ion: 91 Resp: 6708  
Ion Ratio Lower Upper  
91 100  
92 57.1 41.7 77.5

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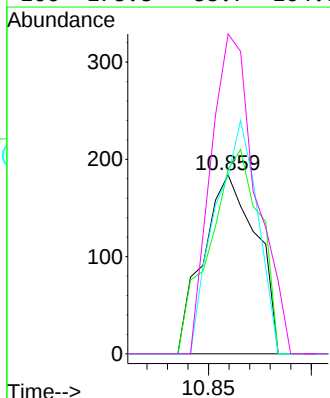
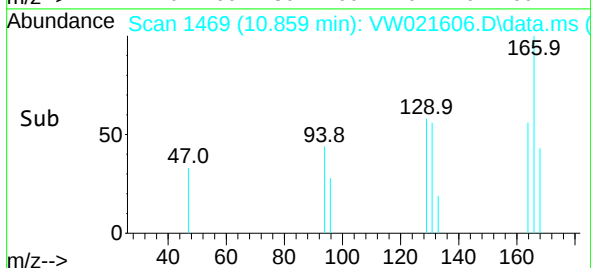
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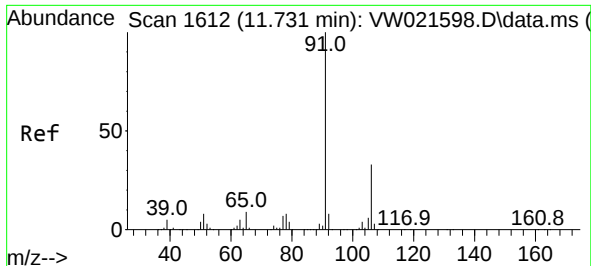


#46  
Tetrachloroethene  
Concen: 0.514 ug/L  
RT: 10.859 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: VW021606.D  
Acq: 23 Dec 2021 12:03



Tgt Ion:164 Resp: 330  
Ion Ratio Lower Upper  
164 100  
129 103.3 65.5 121.7  
131 99.5 59.7 110.9  
166 178.8 88.7 164.7#





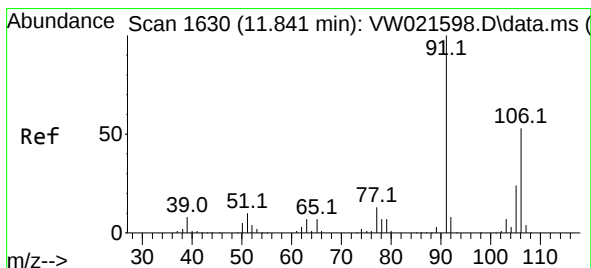
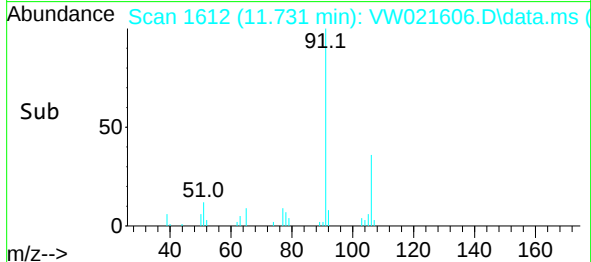
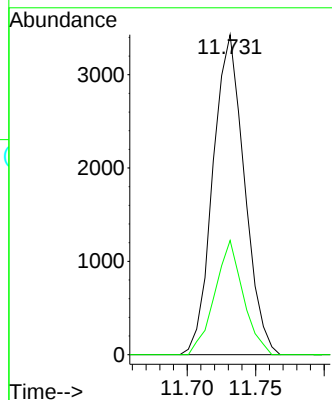
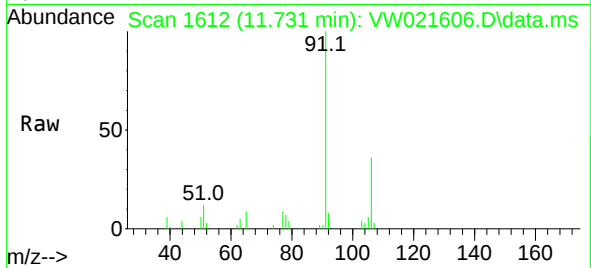
#52  
Ethylbenzene  
Concen: 1.705 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW021606.D  
Acq: 23 Dec 2021 12:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
GBC13

Tgt Ion: 91 Resp: 548  
Ion Ratio Lower Upper  
91 100  
106 35.7 21.5 39.9

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#53  
m,p-Xylene  
Concen: 0.608 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW021606.D  
Acq: 23 Dec 2021 12:03

Tgt Ion:106 Resp: 788  
Ion Ratio Lower Upper  
106 100  
91 166.7 149.9 278.3

