

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111521\  
 Data File : VW023489.D  
 Acq On : 15 Nov 2021 17:54  
 Operator : SY/MD  
 Sample : M4617-02  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG223

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/16/2021  
 Supervised By : Mahesh Dadoda 11/16/2021

Quant Time: Nov 16 00:34:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 16 00:29:25 2021  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) 1,4-Difluorobenzene        | 5.619     | 114            | 119702   | 5.000      | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854     | 117            | 120330   | 5.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249    | 152            | 52963    | 5.000      | ug/L   | 0.00     |
|                               |           |                |          |            |        |          |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 4) Vinyl Chloride-d3          | 1.307     | 65             | 40055    | 5.341      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 106.800% |        |          |
| 7) Chloroethane-d5            | 1.568     | 69             | 31614    | 5.173      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 103.400% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.108     | 63             | 59519    | 4.240      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 84.800%  |        |          |
| 20) 2-Butanone-d5             | 3.892     | 46             | 68808    | 53.260     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 106.520% |        |          |
| 24) Chloroform-d              | 4.349     | 84             | 75733    | 4.739      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 94.800%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.034     | 65             | 36619    | 5.096      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 102.000% |        |          |
| 32) Benzene-d6                | 5.053     | 84             | 147180   | 4.767      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 95.400%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.069     | 67             | 44185    | 4.862      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 97.200%  |        |          |
| 41) Toluene-d8                | 7.317     | 98             | 127140   | 4.394      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 87.800%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625     | 79             | 15142    | 4.394      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 87.800%  |        |          |
| 46) 2-Hexanone-d5             | 8.092     | 63             | 43584    | 34.373     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 68.740%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217    | 84             | 26493    | 4.053      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 81.000%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625    | 152            | 47627    | 5.401      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 108.000% |        |          |
|                               |           |                |          |            |        |          |
| Target Compounds              |           |                |          |            |        | Qvalue   |
| 9) Trichlorofluoromethane     | 1.754     | 101            | 12876    | 0.865      | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.121     | 96             | 8708     | 1.220      | ug/L # | 14       |
| 13) Acetone                   | 2.182     | 43             | 1347m    | 1.706      | ug/L   |          |
| 17) Methyl tert-butyl Ether   | 2.767     | 73             | 9883     | 0.629      | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.191     | 63             | 27486    | 1.855      | ug/L   | 96       |
| 25) Chloroform                | 4.381     | 83             | 14595    | 0.924      | ug/L   | 94       |
| 29) 1,1,1-Trichloroethane     | 4.609     | 97             | 5560     | 0.380      | ug/L   | 94       |
| 34) Trichloroethene           | 5.918     | 95             | 13422    | 1.501      | ug/L   | 96       |
| 47) Tetrachloroethene         | 7.979     | 164            | 5404     | 0.697      | ug/L   | 96       |
| -----                         |           |                |          |            |        |          |

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

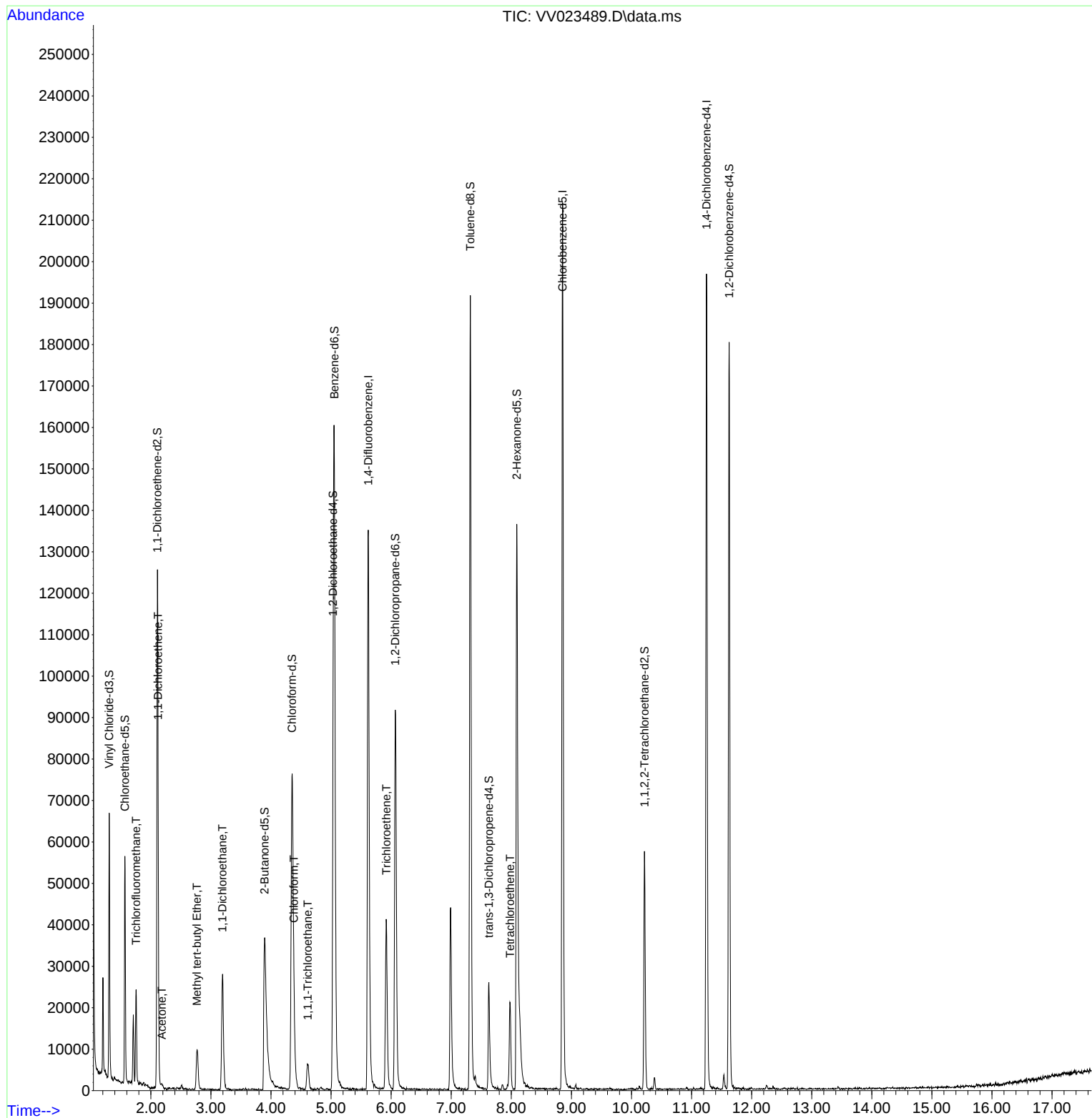
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Data File : VV023489.D  
Acq On : 15 Nov 2021 17:54  
Operator : SY/MD  
Sample : M4617-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 21 Sample Multiplier: 1

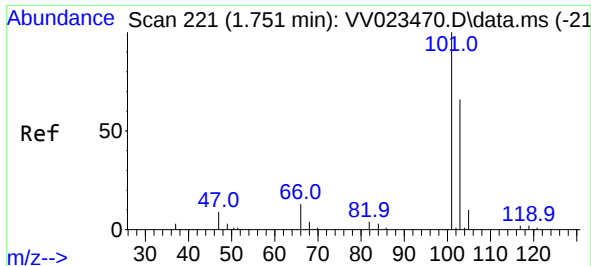
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG223

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Nov 16 00:29:25 2021  
Response via : Initial Calibration





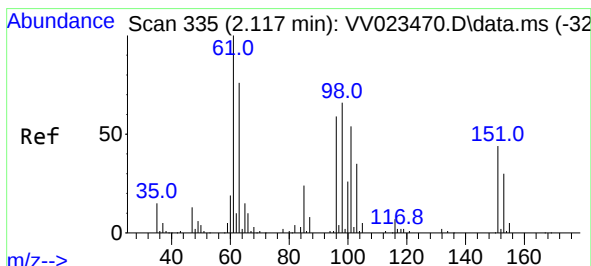
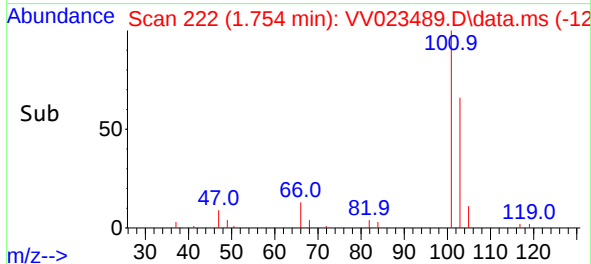
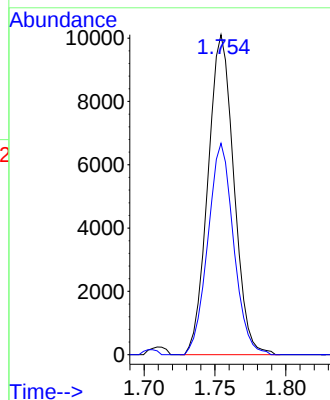
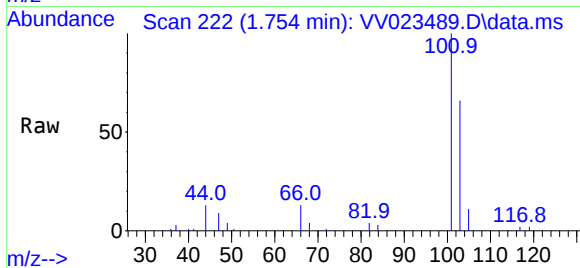
#9  
Trichlorofluoromethane  
Concen: 0.865 ug/L  
RT: 1.754 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV023489.D  
Acq: 15 Nov 2021 17:54

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG223

Tgt Ion:101 Resp: 12870  
Ion Ratio Lower Upper  
101 100  
103 65.6 52.6 79.0

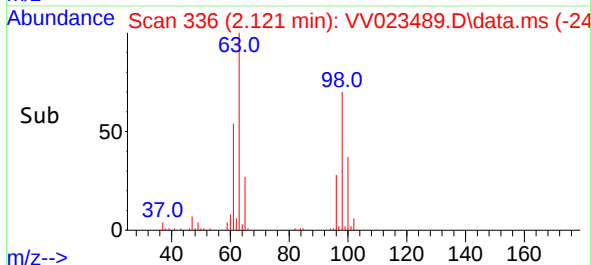
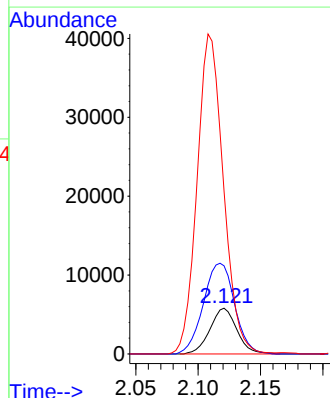
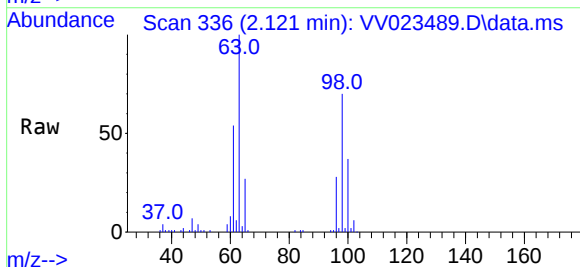
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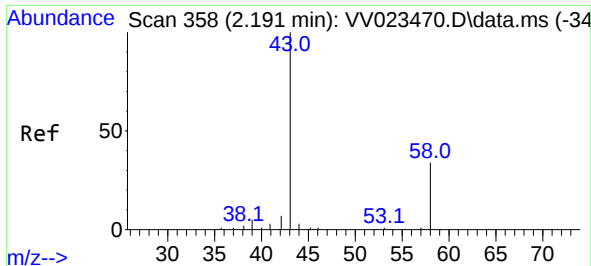
Reviewed By :John Carlone 11/16/2021  
Supervised By :Mahesh Dadoda 11/16/2021



#12  
1,1-Dichloroethene  
Concen: 1.220 ug/L  
RT: 2.121 min Scan# 336  
Delta R.T. 0.003 min  
Lab File: VV023489.D  
Acq: 15 Nov 2021 17:54

Tgt Ion: 96 Resp: 8708  
Ion Ratio Lower Upper  
96 100  
61 192.4 121.5 225.7  
63 355.9 99.6 185.0#





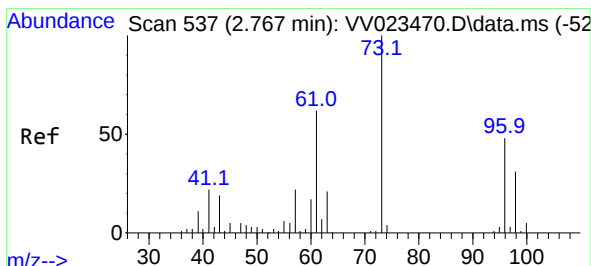
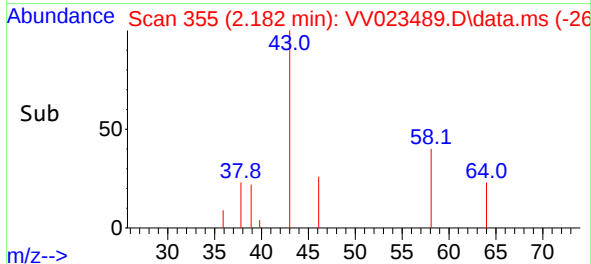
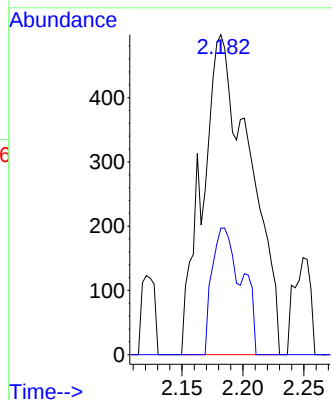
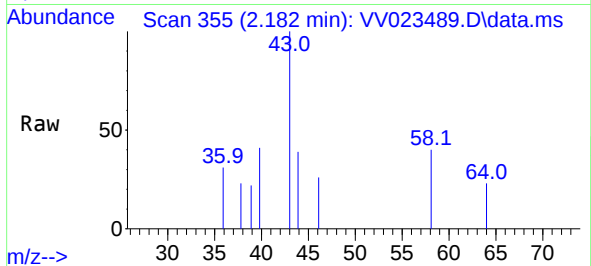
#13  
Acetone  
Concen: 1.706 ug/L m  
RT: 2.182 min Scan# 3  
Delta R.T. -0.010 min  
Lab File: VV023489.D  
Acq: 15 Nov 2021 17:54

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Tgt Ion: 43 Resp: 134  
Ion Ratio Lower Upper  
43 100  
58 19.6 0.0 55.4

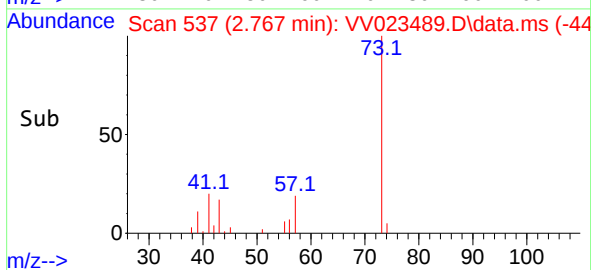
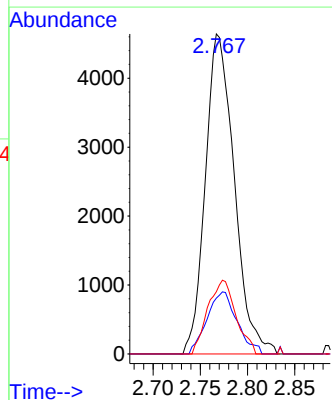
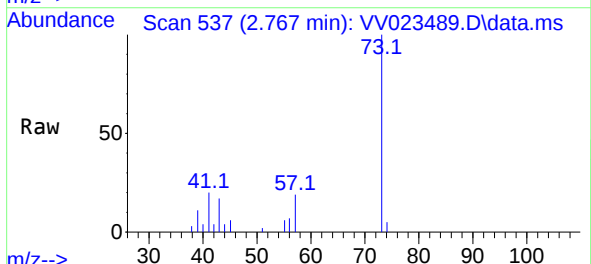
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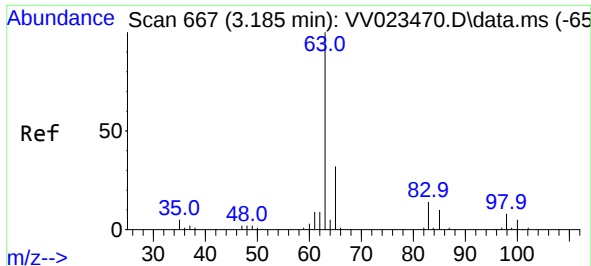
Reviewed By :John Carlone 11/16/2021  
Supervised By :Mahesh Dadoda 11/16/2021



#17  
Methyl tert-butyl Ether  
Concen: 0.629 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. 0.000 min  
Lab File: VV023489.D  
Acq: 15 Nov 2021 17:54

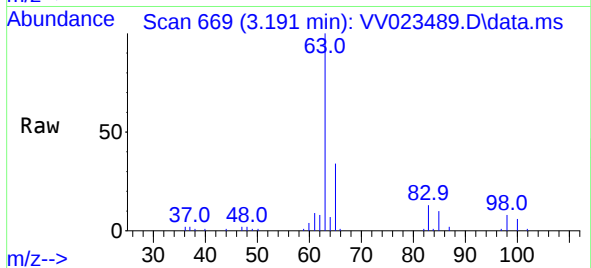
Tgt Ion: 73 Resp: 9883  
Ion Ratio Lower Upper  
73 100  
43 20.1 17.4 26.0  
57 22.4 16.5 24.7





#19  
1,1-Dichloroethane  
Concen: 1.855 ug/L  
RT: 3.191 min Scan# 669  
Delta R.T. 0.007 min  
Lab File: VV023489.D  
Acq: 15 Nov 2021 17:54

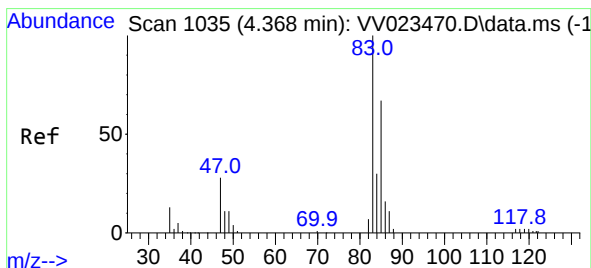
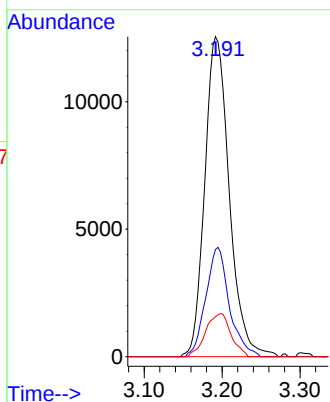
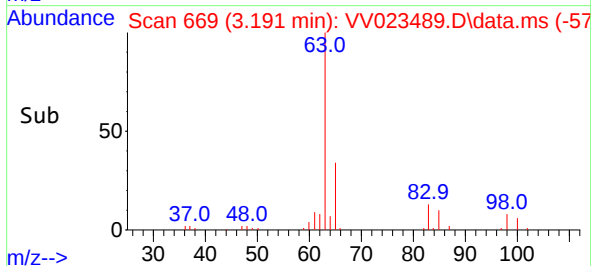
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG223



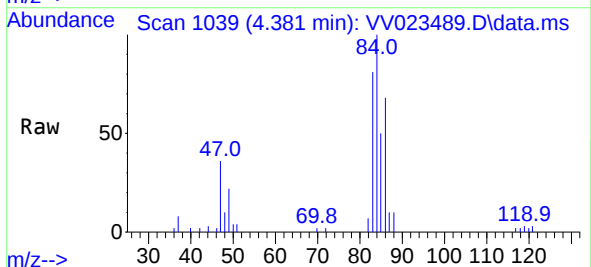
Tgt Ion: 63 Resp: 27486  
Ion Ratio Lower Upper  
63 100  
65 33.5 22.6 42.0  
83 12.5 11.1 20.7

Manual Integrations  
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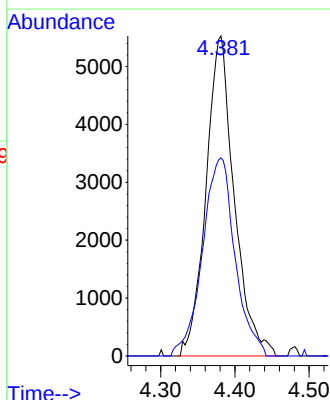
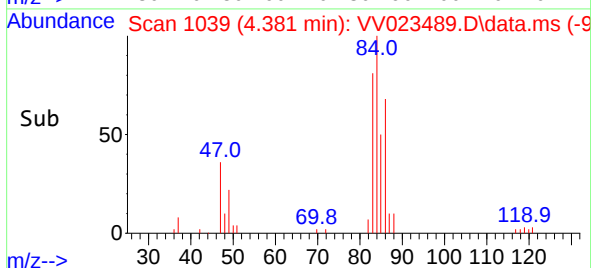
Reviewed By :John Carlone 11/16/2021  
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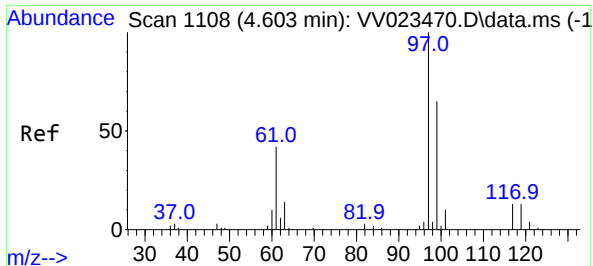


#25  
Chloroform  
Concen: 0.924 ug/L  
RT: 4.381 min Scan# 1039  
Delta R.T. 0.013 min  
Lab File: VV023489.D  
Acq: 15 Nov 2021 17:54



Tgt Ion: 83 Resp: 14595  
Ion Ratio Lower Upper  
83 100  
85 61.9 46.8 86.8





#29

1,1,1-Trichloroethane

Concen: 0.380 ug/L

RT: 4.609 min Scan# 1108

Delta R.T. 0.007 min

Lab File: VV023489.D

Acq: 15 Nov 2021 17:54

Instrument :

MSVOA\_V

ClientSampleId :

BG223

Tgt Ion: 97 Resp: 5560

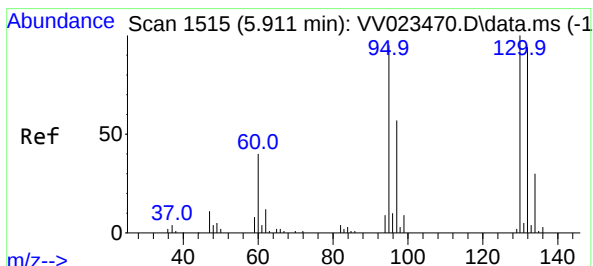
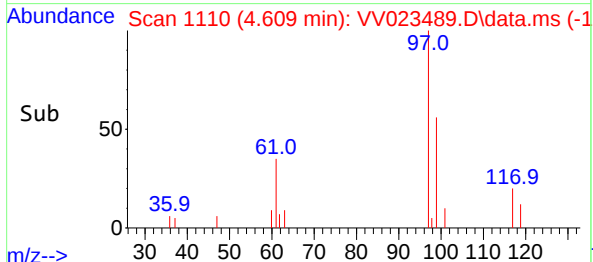
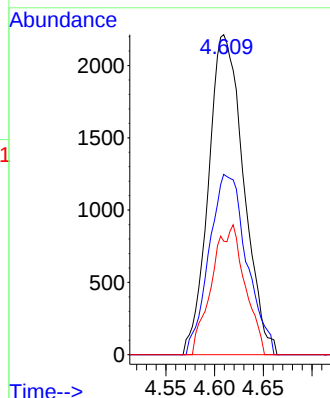
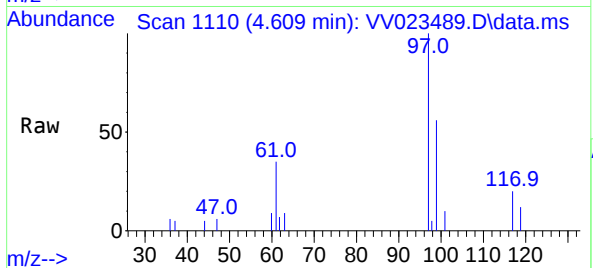
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 60.1  | 51.0  | 76.4  |
| 61  | 38.1  | 34.1  | 51.1  |

Manual Integrations

APPROVED

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#34

Trichloroethene

Concen: 1.501 ug/L

RT: 5.918 min Scan# 1517

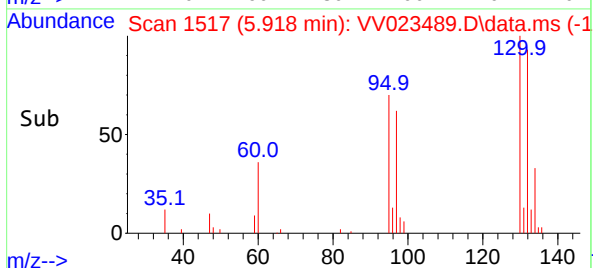
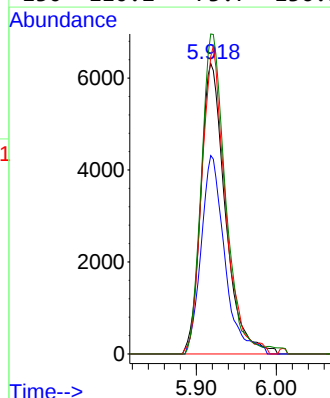
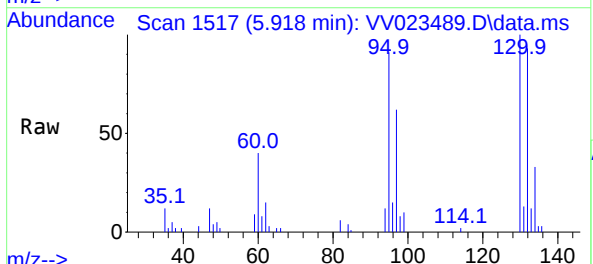
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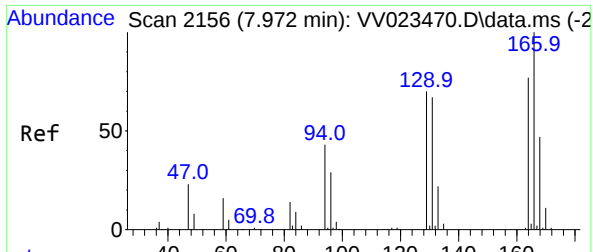
Lab File: VV023489.D

Acq: 15 Nov 2021 17:54

Tgt Ion: 95 Resp: 13422

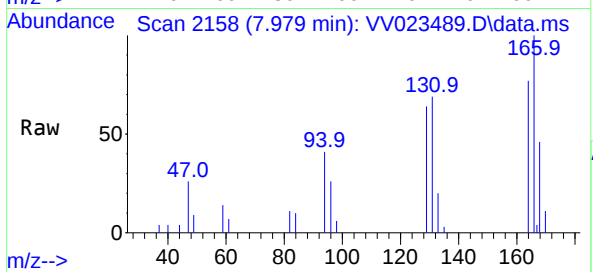
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 68.3  | 45.0  | 83.6  |
| 132 | 102.5 | 69.7  | 129.4 |
| 130 | 110.2 | 73.7  | 136.9 |





#47  
Tetrachloroethene  
Concen: 0.697 ug/L  
RT: 7.979 min Scan# 2156  
Delta R.T. 0.007 min  
Lab File: VV023489.D  
Acq: 15 Nov 2021 17:54

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG223



Tgt Ion:164 Resp: 5404

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 83.2  | 64.0  | 119.0 |
| 131 | 89.6  | 63.4  | 117.8 |
| 166 | 130.4 | 89.3  | 165.9 |

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