

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052021\  
 Data File : VU043868.D  
 Acq On : 20 May 2021 16:27  
 Operator : SY/MD  
 Sample : M2475-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB401

Quant Time: May 21 01:19:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR051521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri May 21 01:15:23 2021  
 Response via : Initial Calibration

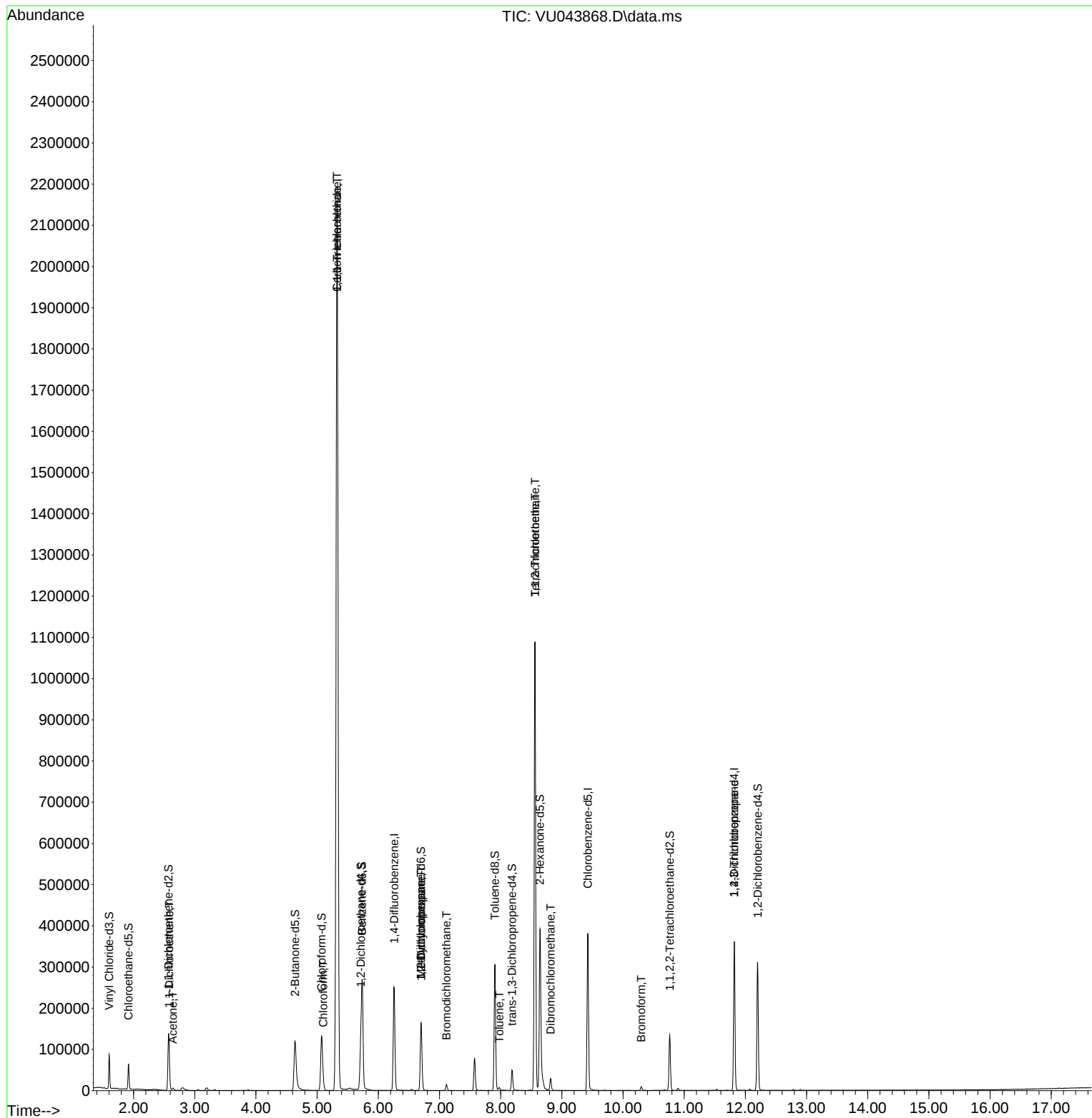
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.260  | 114   | 208091   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 219027   | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 102495   | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 58196    | 3.79     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 75.80%   |
| 7) Chloroethane-d5            | 1.916  | 69    | 43633    | 4.07     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.40%   |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 24171    | 3.80     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 76.00%   |
| 20) 2-Butanone-d5             | 4.639  | 46    | 167563   | 57.43    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 114.86%  |
| 24) Chloroform-d              | 5.073  | 84    | 121058   | 4.85     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.00%   |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 64486    | 5.04     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.80%  |
| 32) Benzene-d6                | 5.735  | 84    | 256203   | 4.61     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.20%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 82128    | 4.63     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.60%   |
| 41) Toluene-d8                | 7.906  | 98    | 206708   | 4.02     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 80.40%   |
| 43) trans-1,3-Dichloroprop... | 8.186  | 79    | 27860    | 4.23     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 84.60%   |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 138560   | 46.75    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.50%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 68876    | 4.74     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.80%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 87202    | 5.11     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.20%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 7602     | 0.55     | ug/L # | 1        |
| 13) Acetone                   | 2.642  | 43    | 7350     | 3.97     | ug/L   | 97       |
| 25) Chloroform                | 5.099  | 83    | 15879    | 0.62     | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97    | 1591305  | 69.68    | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.327  | 117   | 222400   | 11.66    | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.700  | 83    | 19381    | 0.77     | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.703  | 63    | 7868     | 0.47     | ug/L # | 88       |
| 38) Bromodichloromethane      | 7.115  | 83    | 9490     | 0.49     | ug/L   | 96       |
| 42) Toluene                   | 7.980  | 91    | 4510     | 0.07     | ug/L   | 87       |
| 45) 1,1,2-Trichloroethane     | 8.562  | 97    | 1774     | 0.15     | ug/L # | 1        |
| 47) Tetrachloroethene         | 8.562  | 164   | 256579   | 19.53    | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.819  | 129   | 15552    | 1.17     | ug/L   | 97       |
| 59) Bromoform                 | 10.298 | 173   | 4351     | 0.63     | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 11.819 | 75    | 11423    | 1.17     | ug/L # | 71       |
| -----                         |        |       |          |          |        |          |

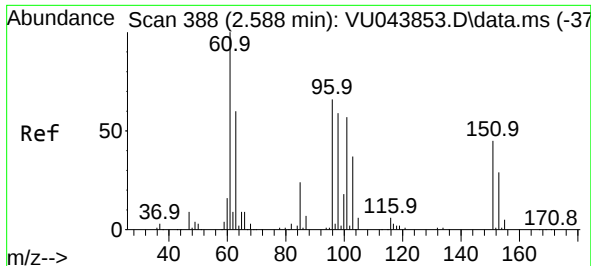
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052021\  
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Sample : M2475-02  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 47 Sample Multiplier: 1

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Quant Time: May 21 01:19:27 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR051521WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri May 21 01:15:23 2021  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.55 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU043868.D

Acq: 20 May 2021 16:27

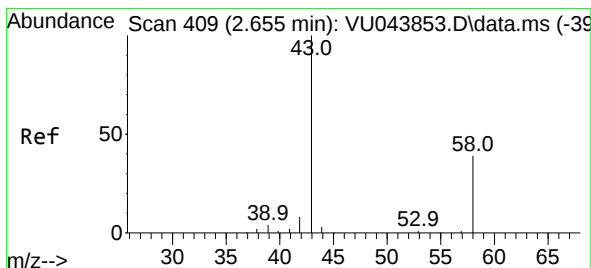
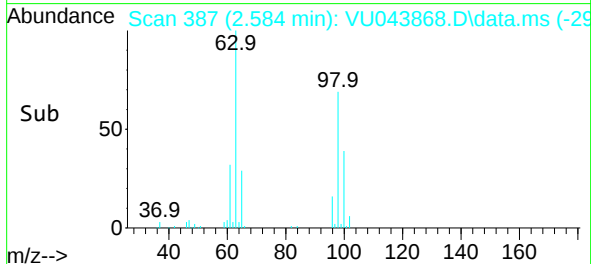
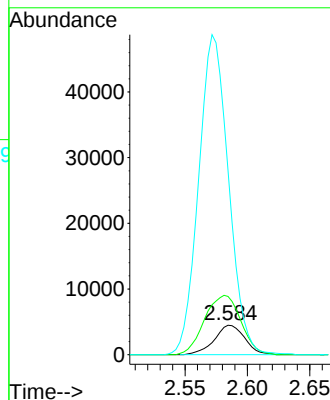
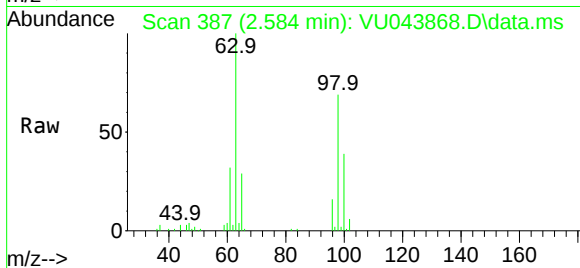
Tgt Ion: 96 Resp: 7602

Ion Ratio Lower Upper

96 100

61 198.2 117.5 218.1

63 626.0 77.3 143.7#



#13

Acetone

Concen: 3.97 ug/L

RT: 2.642 min Scan# 405

Delta R.T. -0.013 min

Lab File: VU043868.D

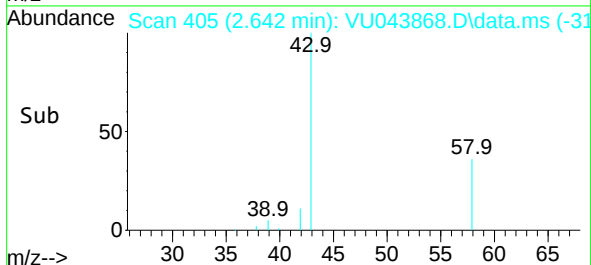
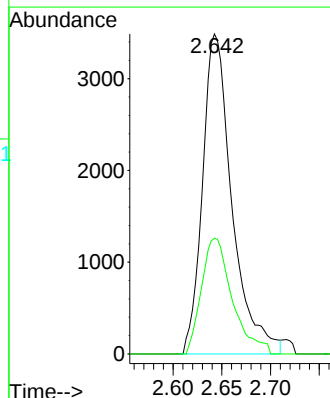
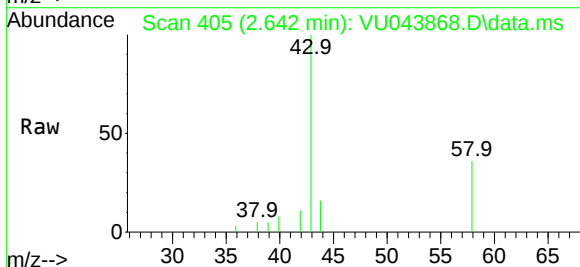
Acq: 20 May 2021 16:27

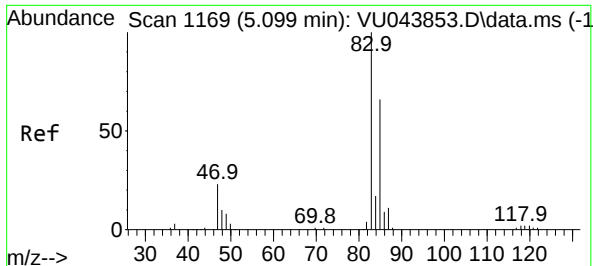
Tgt Ion: 43 Resp: 7350

Ion Ratio Lower Upper

43 100

58 37.7 0.0 71.6





#25

Chloroform

Concen: 0.62 ug/L

RT: 5.099 min Scan# 1169

Delta R.T. 0.000 min

Lab File: VU043868.D

Acq: 20 May 2021 16:27

Instrument :

MSVOA\_U

ClientSampled :

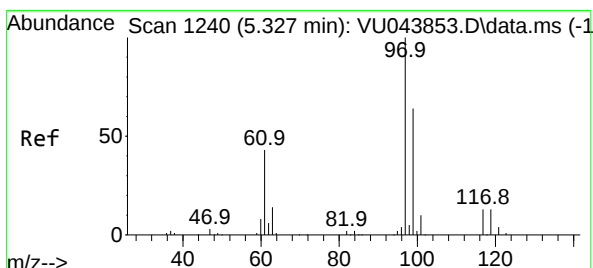
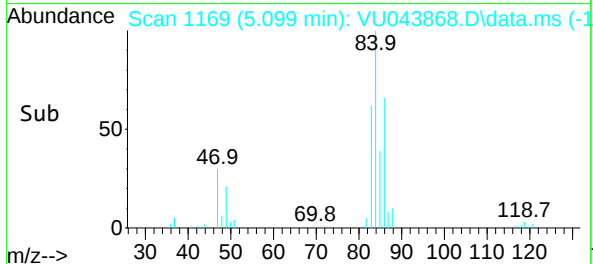
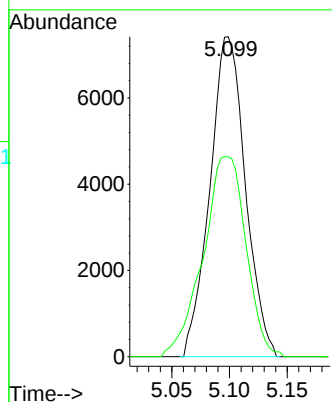
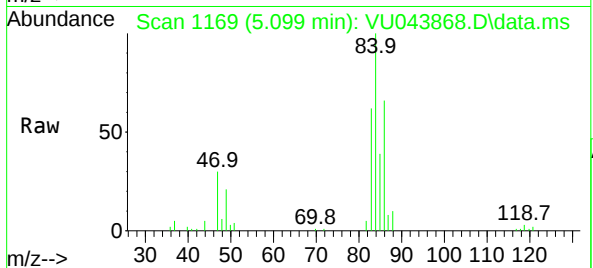
GB401

Tgt Ion: 83 Resp: 15879

Ion Ratio Lower Upper

83 100

85 62.5 45.0 83.6



#29

1,1,1-Trichloroethane

Concen: 69.68 ug/L

RT: 5.327 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VU043868.D

Acq: 20 May 2021 16:27

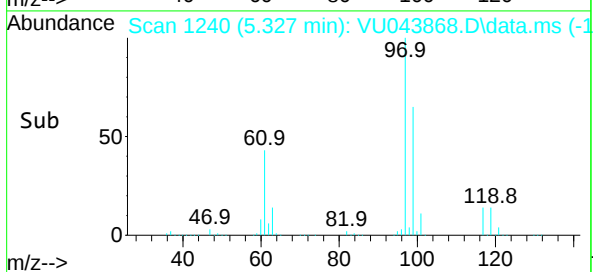
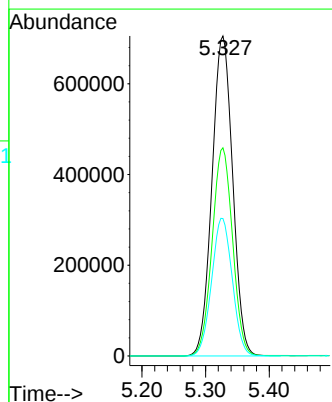
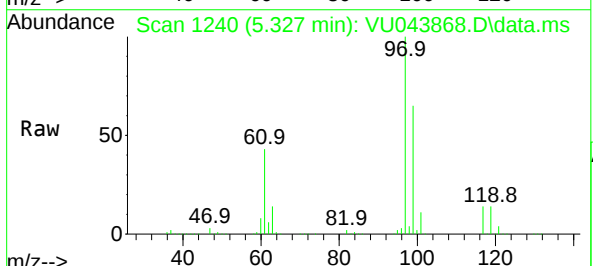
Tgt Ion: 97 Resp: 1591305

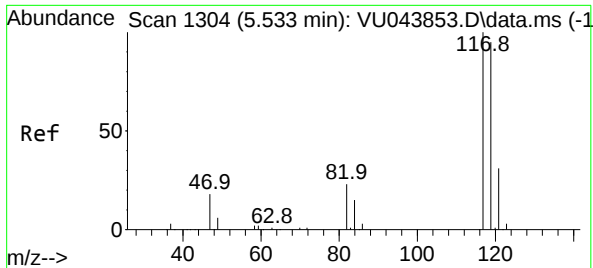
Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

61 43.0 37.0 55.4

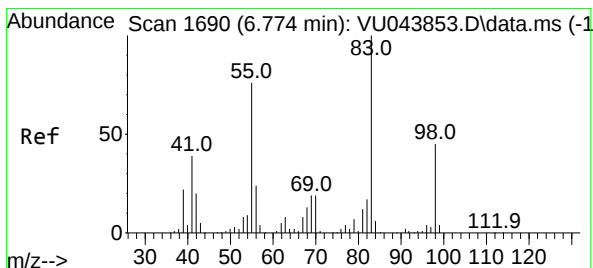
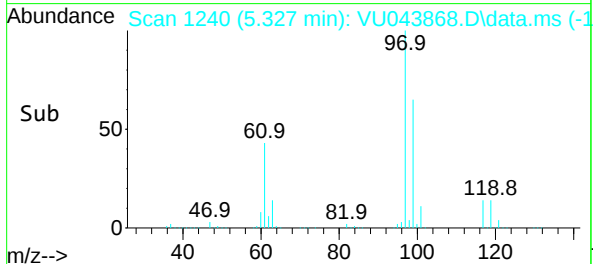
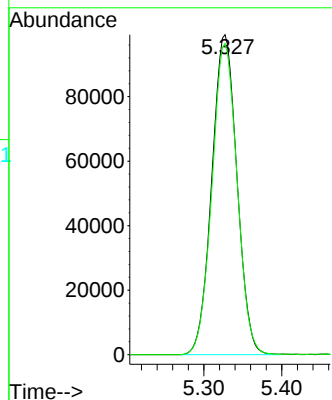
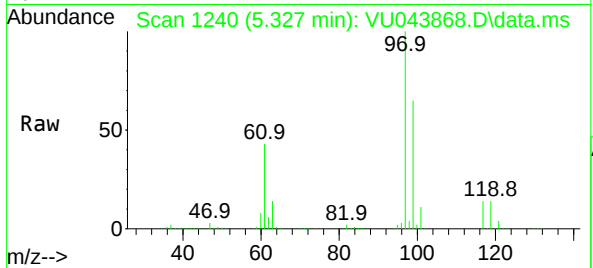




#31  
Carbon tetrachloride  
Concen: 11.66 ug/L  
RT: 5.327 min Scan# 1240  
Delta R.T. -0.206 min  
Lab File: VU043868.D  
Acq: 20 May 2021 16:27

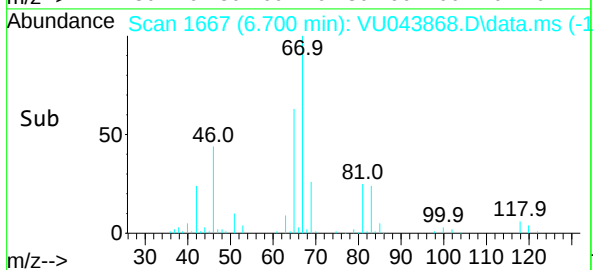
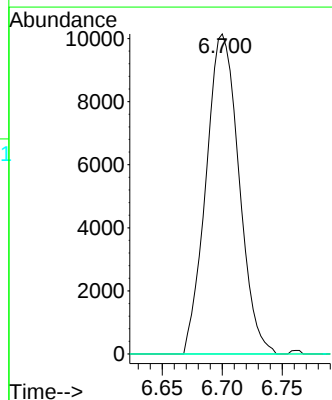
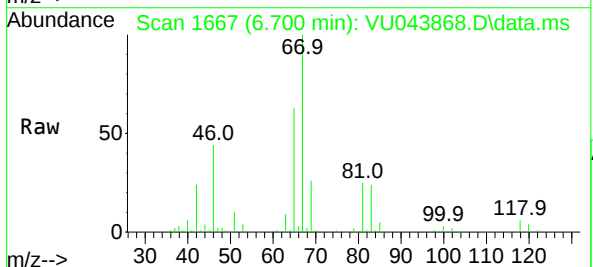
Instrument :  
MSVOA\_U  
ClientSampled :  
GB401

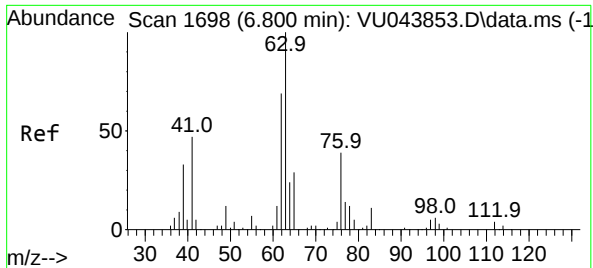
Tgt Ion:117 Resp: 222400  
Ion Ratio Lower Upper  
117 100  
119 97.2 77.4 116.0



#35  
Methylcyclohexane  
Concen: 0.77 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.074 min  
Lab File: VU043868.D  
Acq: 20 May 2021 16:27

Tgt Ion: 83 Resp: 19381  
Ion Ratio Lower Upper  
83 100  
55 0.0 64.8 97.2#  
98 0.5 35.9 53.9#



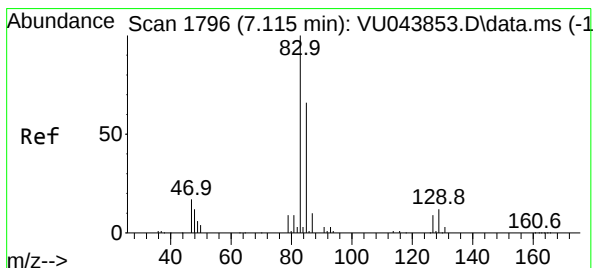
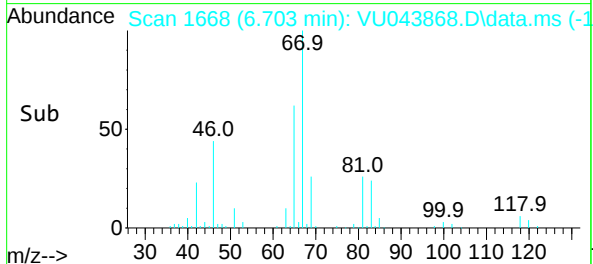
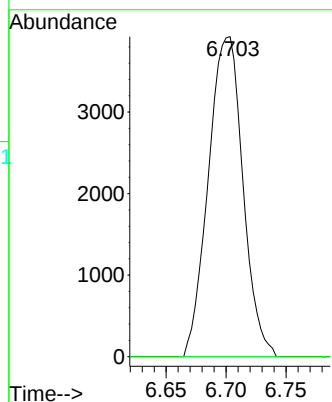
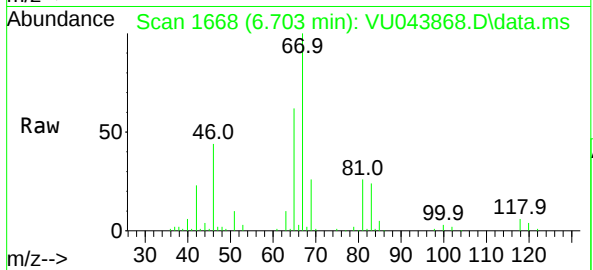


#37

1,2-Dichloropropane  
Concen: 0.47 ug/L  
RT: 6.703 min Scan# 1668  
Delta R.T. -0.096 min  
Lab File: VU043868.D  
Acq: 20 May 2021 16:27

Instrument :  
MSVOA\_U  
ClientSampled :  
GB401

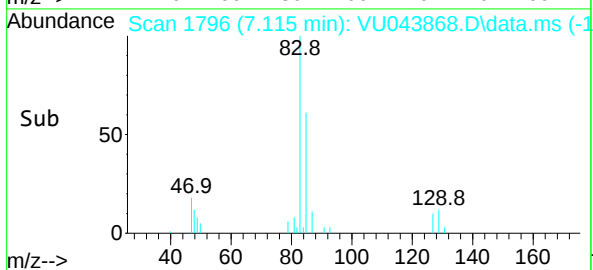
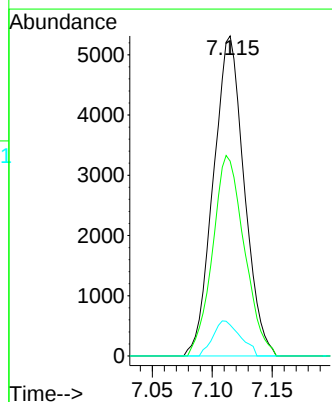
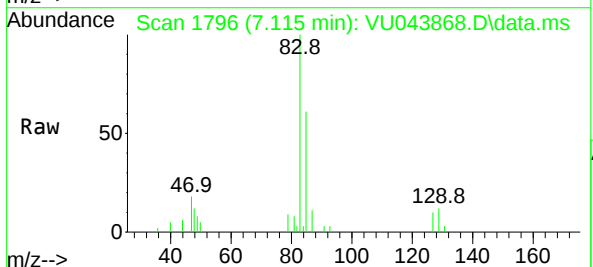
Tgt Ion: 63 Resp: 7868  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.3 4.9#

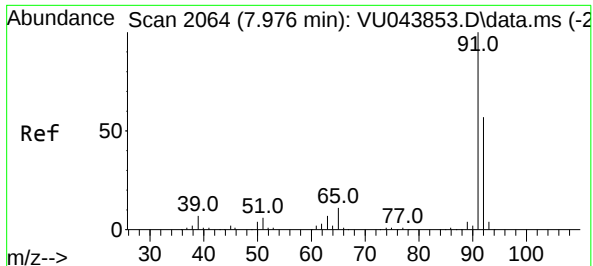


#38

Bromodichloromethane  
Concen: 0.49 ug/L  
RT: 7.115 min Scan# 1796  
Delta R.T. 0.000 min  
Lab File: VU043868.D  
Acq: 20 May 2021 16:27

Tgt Ion: 83 Resp: 9490  
Ion Ratio Lower Upper  
83 100  
85 60.9 44.6 82.8  
127 9.7 7.0 10.4

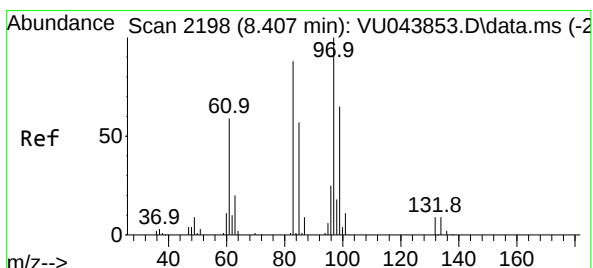
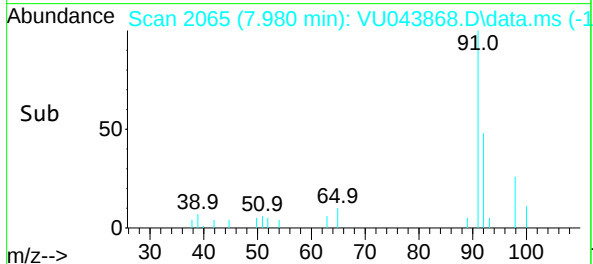
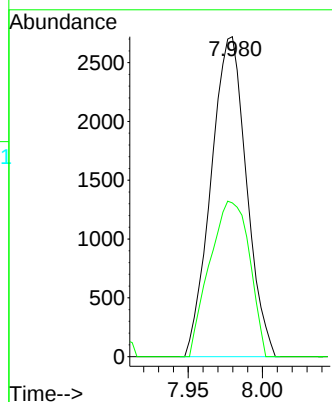
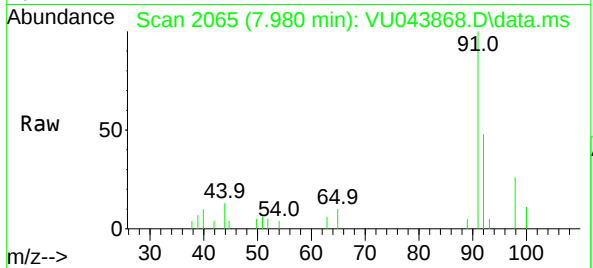




#42  
Toluene  
Concen: 0.07 ug/L  
RT: 7.980 min Scan# 2065  
Delta R.T. 0.003 min  
Lab File: VU043868.D  
Acq: 20 May 2021 16:27

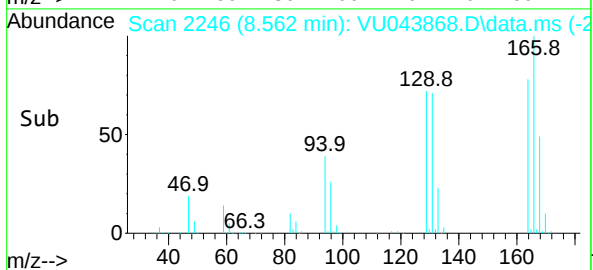
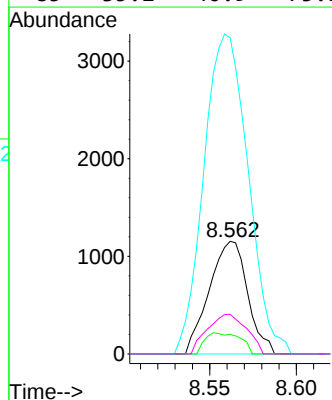
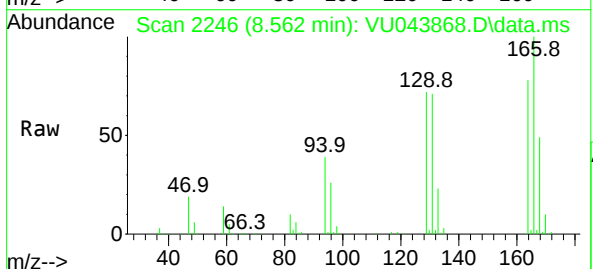
Instrument :  
MSVOA\_U  
ClientSampled :  
GB401

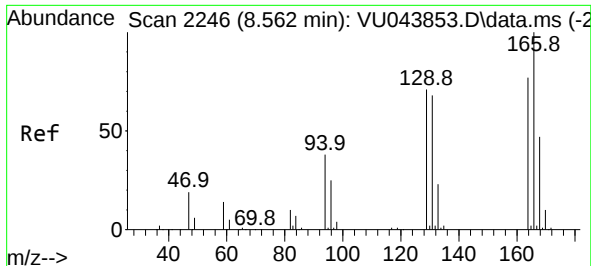
Tgt Ion: 91 Resp: 4510  
Ion Ratio Lower Upper  
91 100  
92 48.0 40.3 74.8



#45  
1,1,2-Trichloroethane  
Concen: 0.15 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. 0.154 min  
Lab File: VU043868.D  
Acq: 20 May 2021 16:27

Tgt Ion: 97 Resp: 1774  
Ion Ratio Lower Upper  
97 100  
99 17.3 43.8 81.4#  
83 280.7 62.5 116.1#  
85 35.2 40.9 75.9#

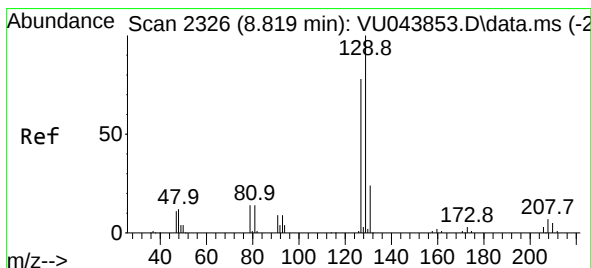
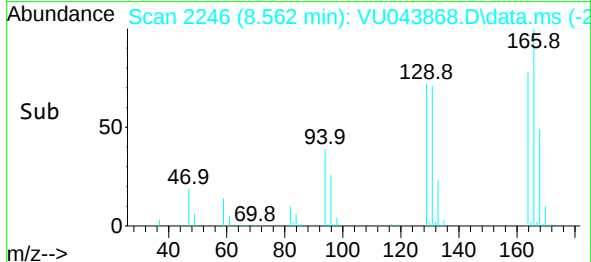
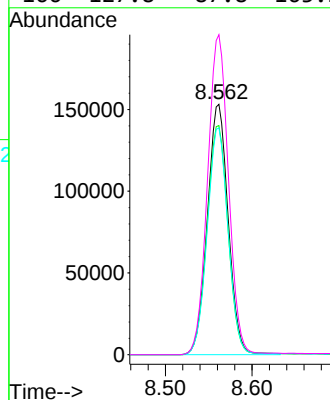
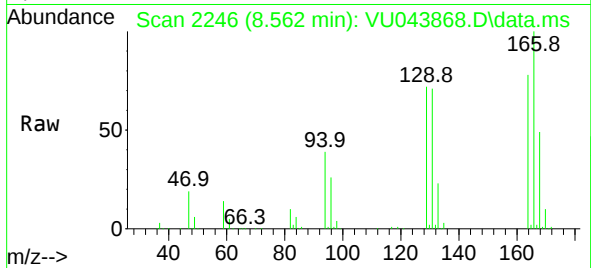




#47  
Tetrachloroethene  
Concen: 19.53 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. 0.000 min  
Lab File: VU043868.D  
Acq: 20 May 2021 16:27

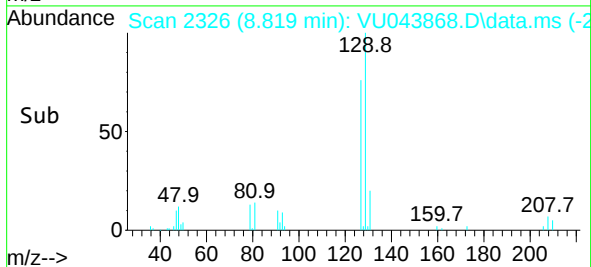
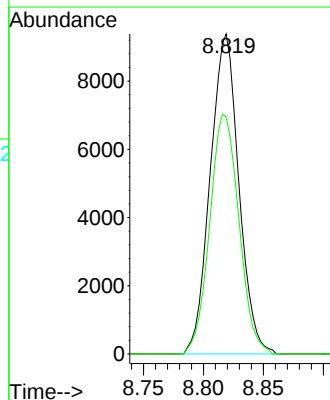
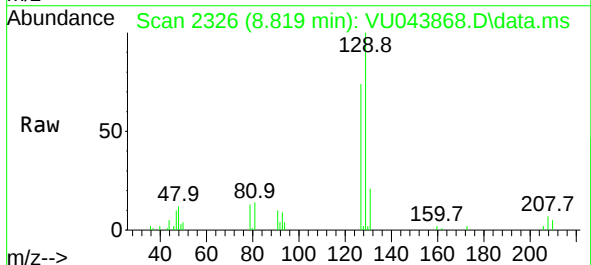
Instrument :  
MSVOA\_U  
ClientSampled :  
GB401

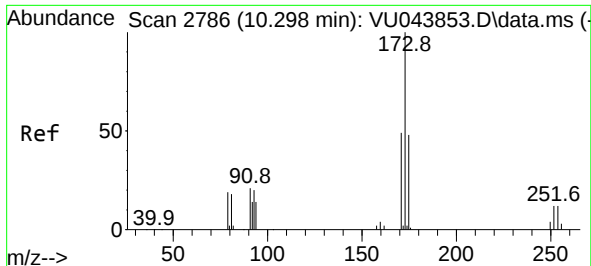
Tgt Ion:164 Resp: 256579  
Ion Ratio Lower Upper  
164 100  
129 91.5 64.1 119.1  
131 90.6 61.2 113.8  
166 127.8 87.8 163.2



#49  
Dibromochloromethane  
Concen: 1.17 ug/L  
RT: 8.819 min Scan# 2326  
Delta R.T. 0.000 min  
Lab File: VU043868.D  
Acq: 20 May 2021 16:27

Tgt Ion:129 Resp: 15552  
Ion Ratio Lower Upper  
129 100  
127 74.1 53.4 99.2

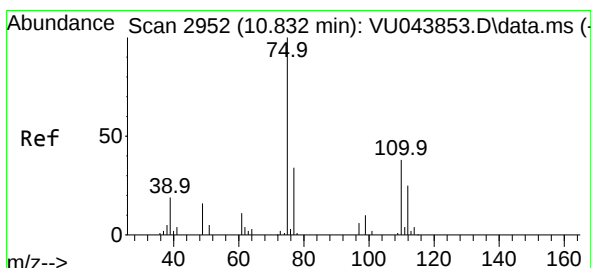
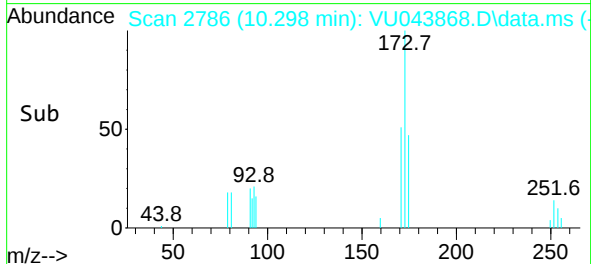
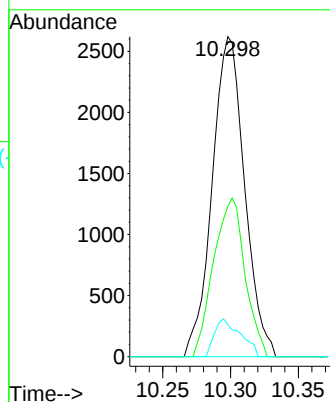
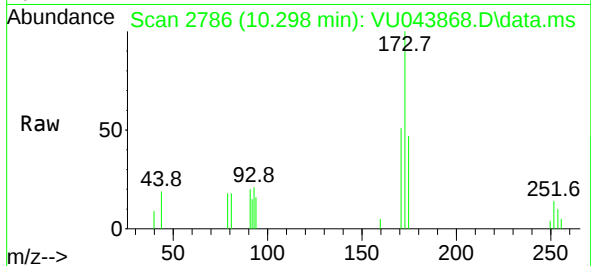




#59  
Bromoform  
Concen: 0.63 ug/L  
RT: 10.298 min Scan# 2786  
Delta R.T. 0.000 min  
Lab File: VU043868.D  
Acq: 20 May 2021 16:27

Instrument :  
MSVOA\_U  
ClientSampled :  
GB401

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.9  | 38.8  | 58.2  |
| 254     | 9.4   | 9.4   | 14.2  |



#61  
1,2,3-Trichloropropane  
Concen: 1.17 ug/L  
RT: 11.819 min Scan# 3259  
Delta R.T. 0.987 min  
Lab File: VU043868.D  
Acq: 20 May 2021 16:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 2.5   | 27.9  | 41.9# |
| 77      | 31.9  | 25.9  | 38.9  |

