

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031521\  
 Data File : VU042657.D  
 Acq On : 15 Mar 2021 12:10  
 Operator : SY/MD  
 Sample : M1656-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW108

Quant Time: Mar 16 01:34:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SOMUTR030221WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Mar 16 01:32:07 2021  
 Response via : Initial Calibration

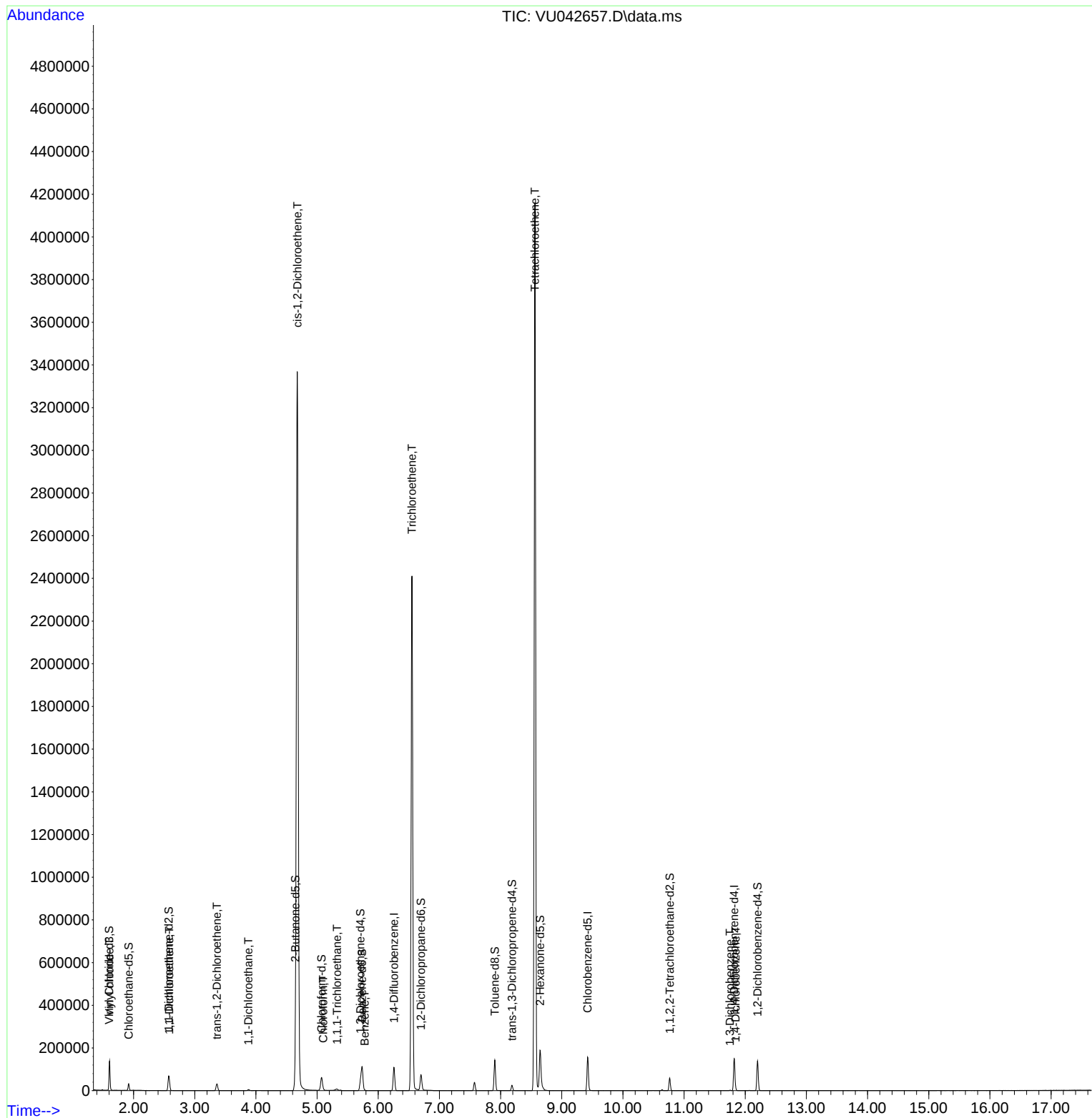
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114   | 81807    | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 80538    | 5.00     | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 38160    | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 22055    | 4.04     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 80.80%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 20991    | 5.08     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 101.60%  |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 63    | 40564    | 3.29     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 65.80%   |
| 20) 2-Butanone-d5             | 4.645  | 46    | 88269    | 49.29    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 98.58%   |
| 24) Chloroform-d              | 5.073  | 84    | 51306    | 4.76     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.20%   |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65    | 34517    | 5.20     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.00%  |
| 32) Benzene-d6                | 5.735  | 84    | 92589    | 4.69     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.80%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 30792    | 4.83     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.60%   |
| 41) Toluene-d8                | 7.906  | 98    | 88965    | 4.61     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.20%   |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79    | 13225    | 4.44     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.80%   |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 65912    | 46.26    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.52%   |
| 57) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 27171    | 4.79     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.80%   |
| 64) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 34713    | 5.02     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 100.40%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.607  | 62    | 71401    | 9.87     | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 6164     | 1.07     | ug/L # | 1        |
| 18) trans-1,2-Dichloroethene  | 3.362  | 96    | 11950    | 1.97     | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 5276     | 0.45     | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.678  | 96    | 1595829  | 246.39   | ug/L   | 97       |
| 25) Chloroform                | 5.099  | 83    | 2809     | 0.23     | ug/L   | 94       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97    | 4089     | 0.37     | ug/L # | 63       |
| 33) Benzene                   | 5.780  | 78    | 1651     | 0.07     | ug/L   | 100      |
| 34) Trichloroethene           | 6.549  | 95    | 766450   | 109.71   | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.562  | 164   | 857591   | 150.58   | ug/L   | 100      |
| 62) 1,3-Dichlorobenzene       | 11.751 | 146   | 1052     | 0.08     | ug/L   | 97       |
| 63) 1,4-Dichlorobenzene       | 11.844 | 146   | 2503     | 0.19     | ug/L   | 97       |
| -----                         |        |       |          |          |        |          |

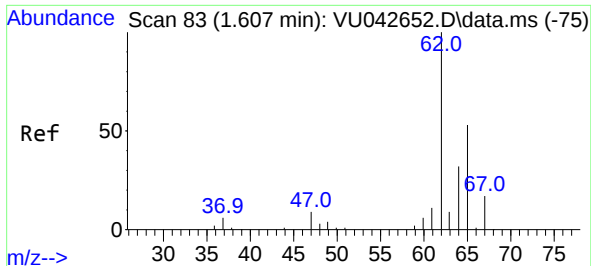
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031521\  
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ClientSampleId :  
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Mar 16 01:32:07 2021  
Response via : Initial Calibration

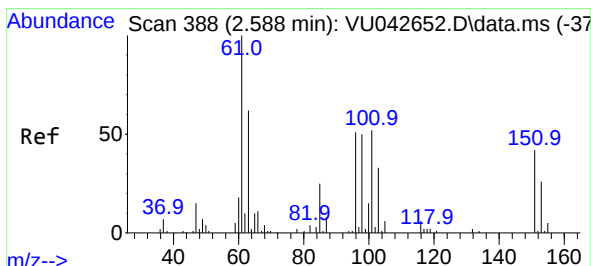
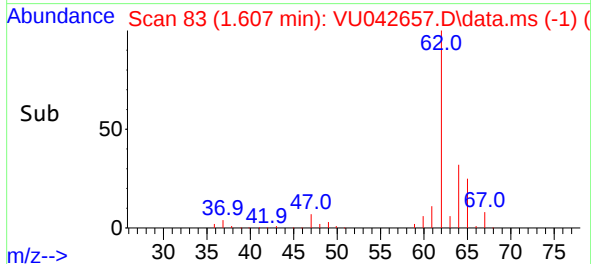
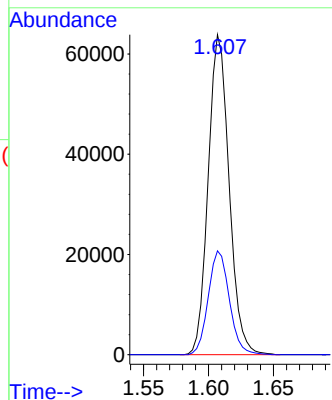
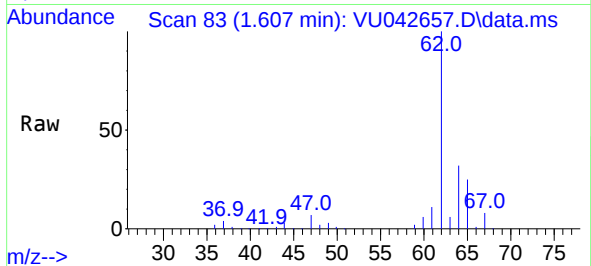




#5  
 Vinyl chloride  
 Concen: 9.87 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. -0.000 min  
 Lab File: VU042657.D  
 Acq: 15 Mar 2021 12:10

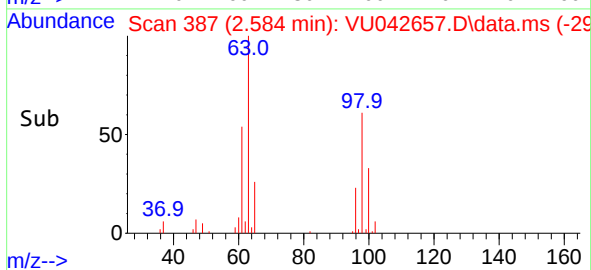
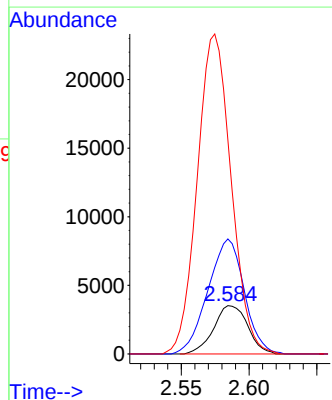
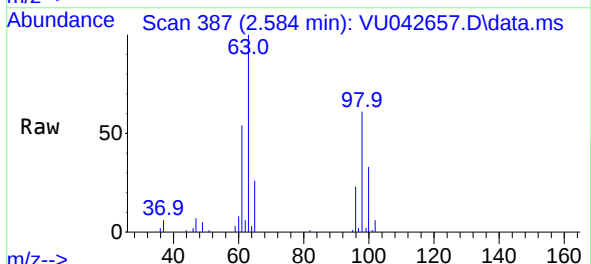
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW108

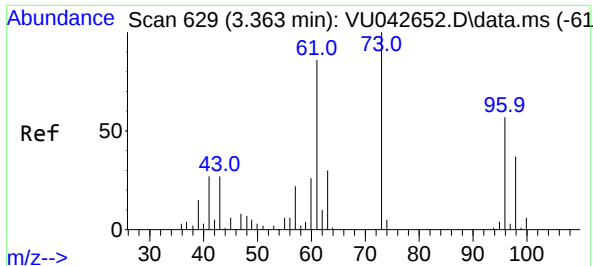
Tgt Ion: 62 Resp: 71401  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 22.7 42.1



#12  
 1,1-Dichloroethene  
 Concen: 1.07 ug/L  
 RT: 2.584 min Scan# 387  
 Delta R.T. -0.003 min  
 Lab File: VU042657.D  
 Acq: 15 Mar 2021 12:10

Tgt Ion: 96 Resp: 6164  
 Ion Ratio Lower Upper  
 96 100  
 61 238.2 126.2 234.4#  
 63 443.2 77.8 144.4#



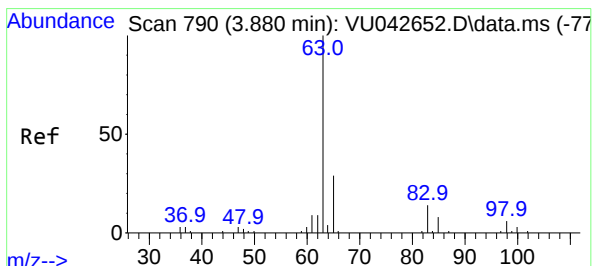
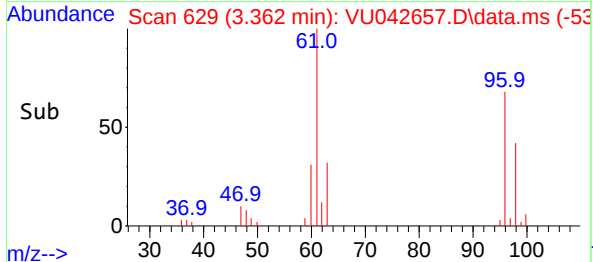
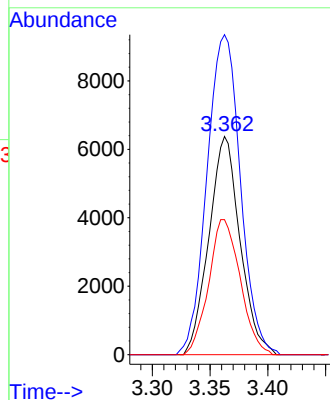
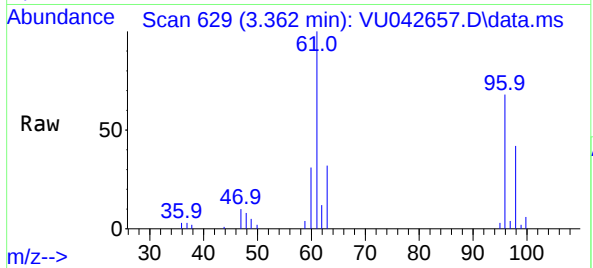


#18  
trans-1,2-Dichloroethene  
Concen: 1.97 ug/L  
RT: 3.362 min Scan# 629  
Delta R.T. -0.000 min  
Lab File: VU042657.D  
Acq: 15 Mar 2021 12:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
EW108

Tgt Ion: 96 Resp: 11950

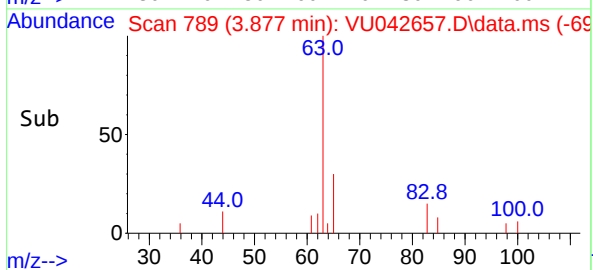
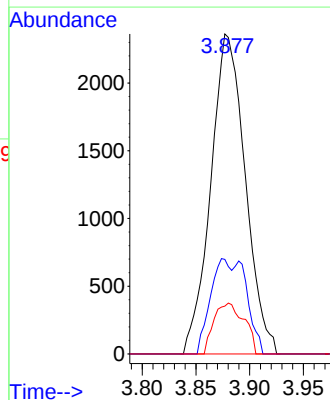
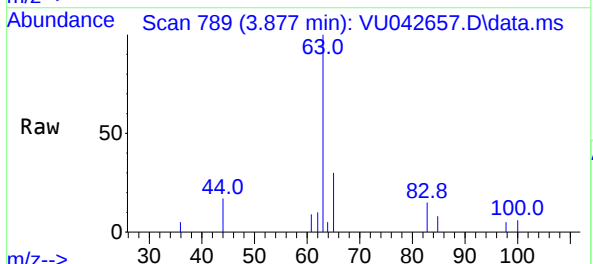
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 146.6 | 105.7 | 196.3 |
| 98  | 61.9  | 42.8  | 79.6  |

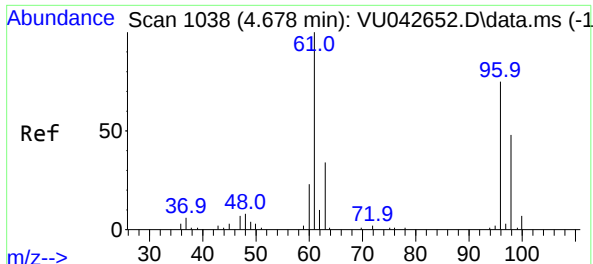


#19  
1,1-Dichloroethane  
Concen: 0.45 ug/L  
RT: 3.877 min Scan# 789  
Delta R.T. -0.003 min  
Lab File: VU042657.D  
Acq: 15 Mar 2021 12:10

Tgt Ion: 63 Resp: 5276

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 29.6  | 22.5  | 41.9  |
| 83  | 14.9  | 10.1  | 18.7  |



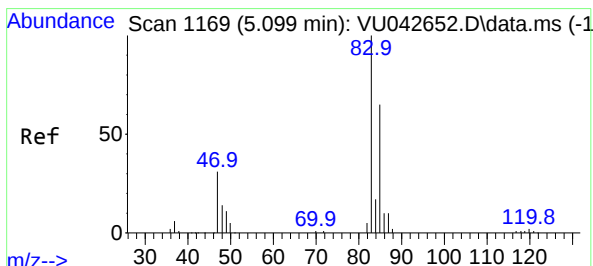
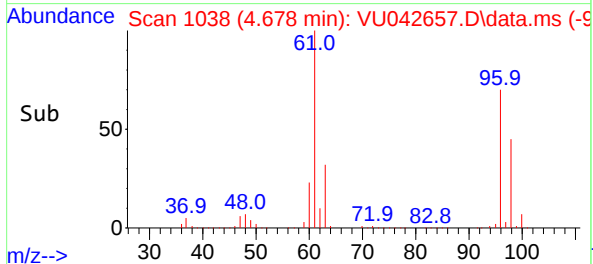
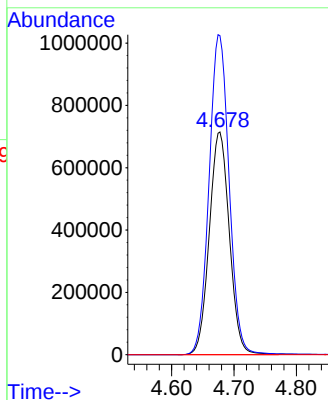
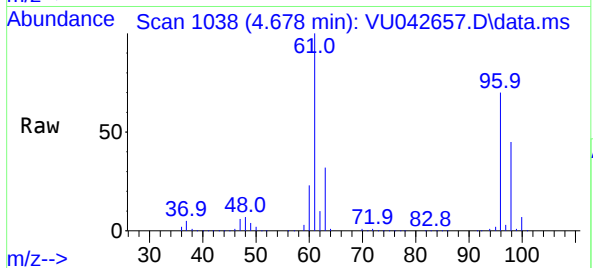


#22  
cis-1,2-Dichloroethene  
Concen: 246.39 ug/L  
RT: 4.678 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VU042657.D  
Acq: 15 Mar 2021 12:10

Instrument :  
MSVOA\_U  
ClientSampled :  
EW108

Tgt Ion: 96 Resp: 1595829

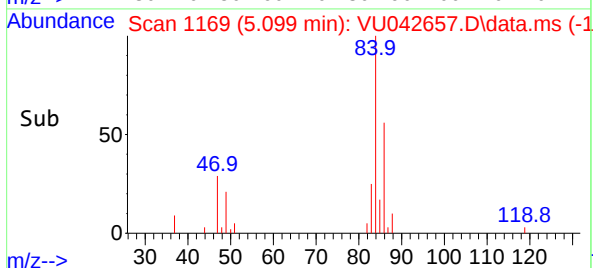
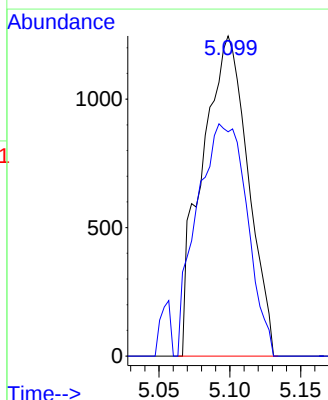
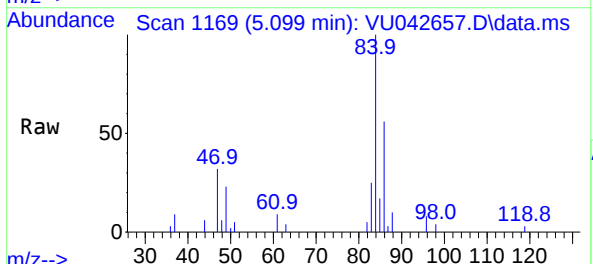
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 143.2 | 97.8  | 181.6 |
| 68  | 0.0   | 0.0   | 0.0   |

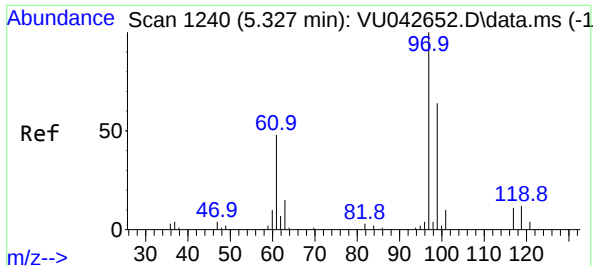


#25  
Chloroform  
Concen: 0.23 ug/L  
RT: 5.099 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: VU042657.D  
Acq: 15 Mar 2021 12:10

Tgt Ion: 83 Resp: 2809

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 70.1  | 45.7  | 84.9  |

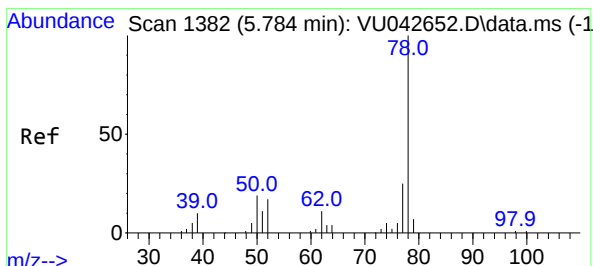
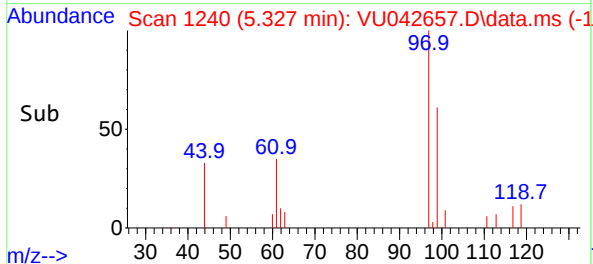
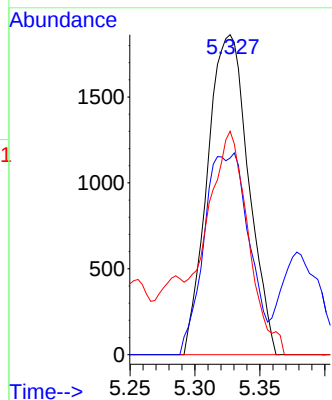
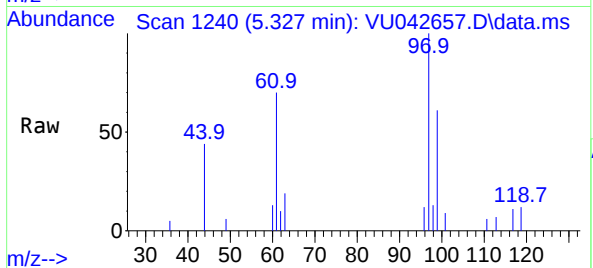




#29  
1,1,1-Trichloroethane  
Concen: 0.37 ug/L  
RT: 5.327 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VU042657.D  
Acq: 15 Mar 2021 12:10

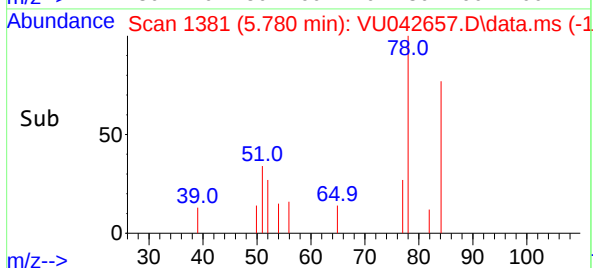
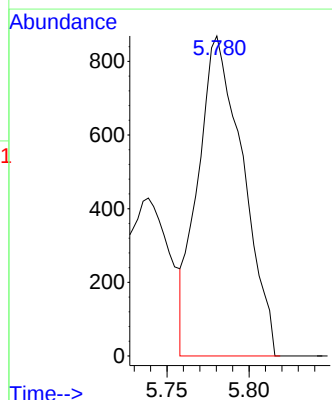
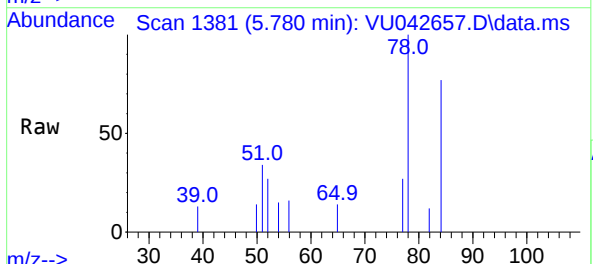
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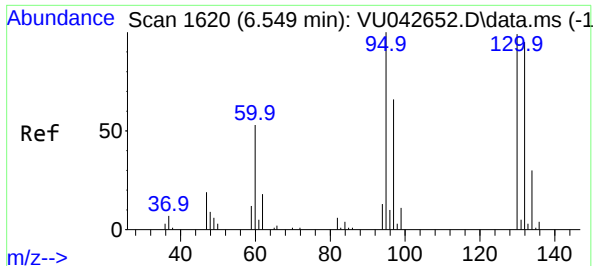
Tgt Ion: 97 Resp: 4089  
Ion Ratio Lower Upper  
97 100  
99 36.0 50.8 76.2#  
61 70.2 35.8 53.6#



#33  
Benzene  
Concen: 0.07 ug/L  
RT: 5.780 min Scan# 1381  
Delta R.T. -0.003 min  
Lab File: VU042657.D  
Acq: 15 Mar 2021 12:10

Tgt Ion: 78 Resp: 1651



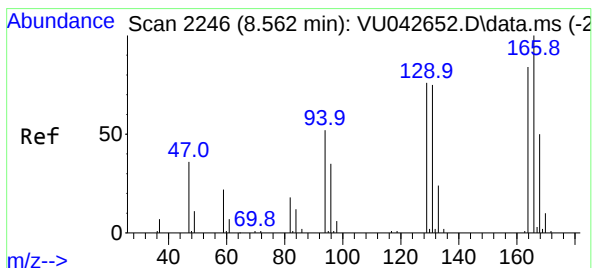
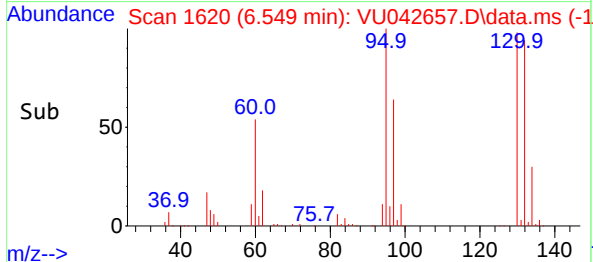
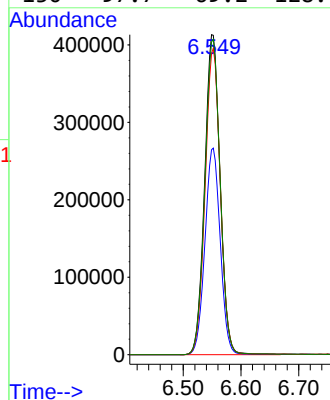
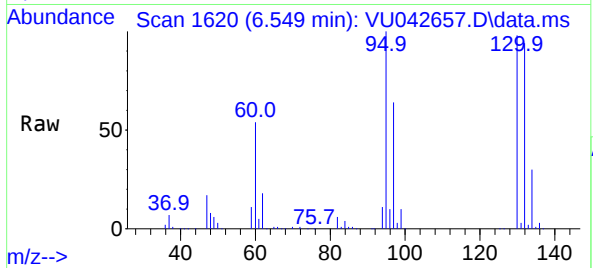


#34  
Trichloroethene  
Concen: 109.71 ug/L  
RT: 6.549 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: VU042657.D  
Acq: 15 Mar 2021 12:10

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Tgt Ion: 95 Resp: 766450

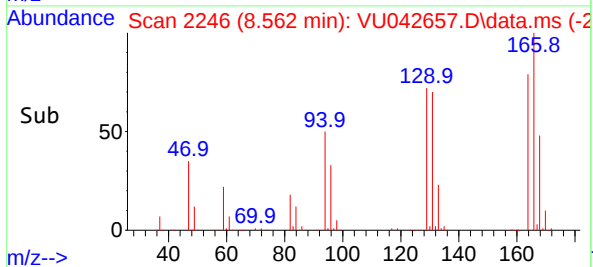
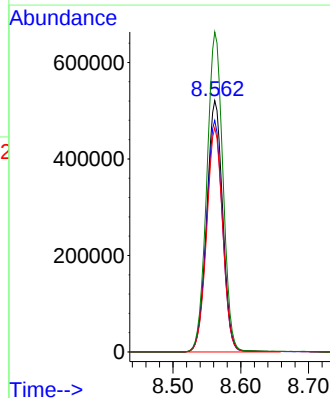
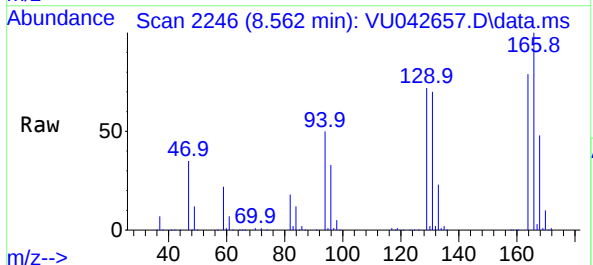
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.0  | 44.4  | 82.4  |
| 132 | 94.2  | 68.0  | 126.4 |
| 130 | 97.7  | 69.2  | 128.4 |

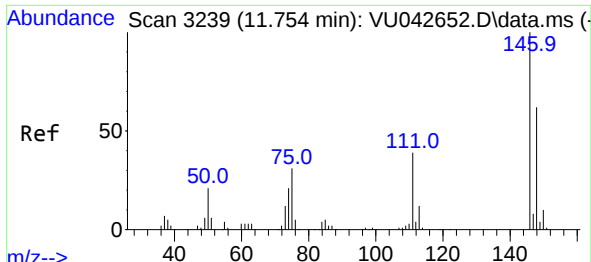


#47  
Tetrachloroethene  
Concen: 150.58 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. -0.000 min  
Lab File: VU042657.D  
Acq: 15 Mar 2021 12:10

Tgt Ion: 164 Resp: 857591

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 92.1  | 64.3  | 119.5 |
| 131 | 89.2  | 62.2  | 115.6 |
| 166 | 127.3 | 88.6  | 164.6 |

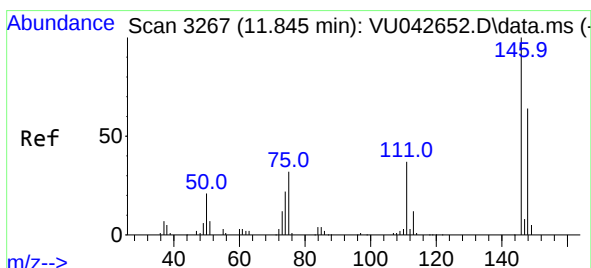
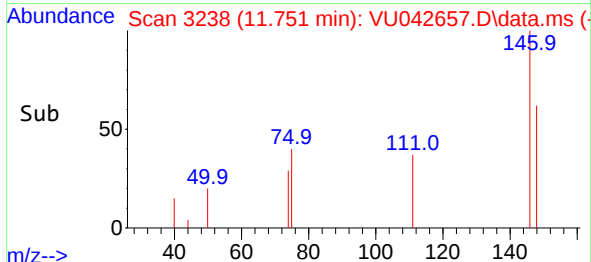
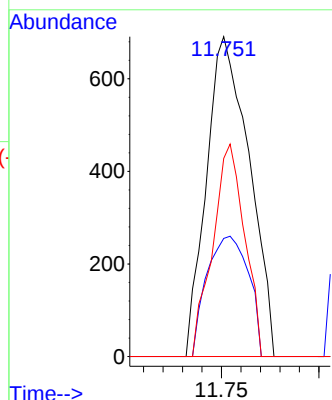
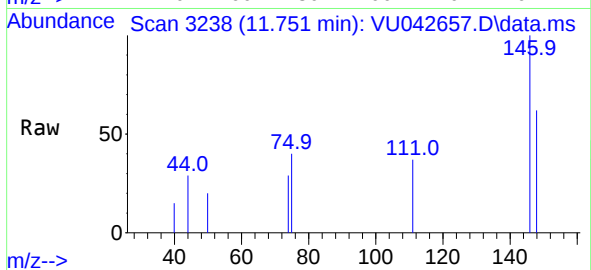




#62  
1,3-Dichlorobenzene  
Concen: 0.08 ug/L  
RT: 11.751 min Scan# 3238  
Delta R.T. -0.003 min  
Lab File: VU042657.D  
Acq: 15 Mar 2021 12:10

Instrument :  
MSVOA\_U  
ClientSampled :  
EW108

Tgt Ion:146 Resp: 1052  
Ion Ratio Lower Upper  
146 100  
111 36.9 27.2 50.4  
148 61.9 44.6 82.8



#63  
1,4-Dichlorobenzene  
Concen: 0.19 ug/L  
RT: 11.844 min Scan# 3267  
Delta R.T. -0.000 min  
Lab File: VU042657.D  
Acq: 15 Mar 2021 12:10

Tgt Ion:146 Resp: 2503  
Ion Ratio Lower Upper  
146 100  
111 33.7 25.8 47.8  
148 61.9 44.1 81.9

