

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052421\  
 Data File : VU043958.D  
 Acq On : 25 May 2021 13:00  
 Operator : SY/MD  
 Sample : M2494-11DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB424DL

Quant Time: May 25 14:30:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR052421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue May 25 07:46:23 2021  
 Response via : Initial Calibration

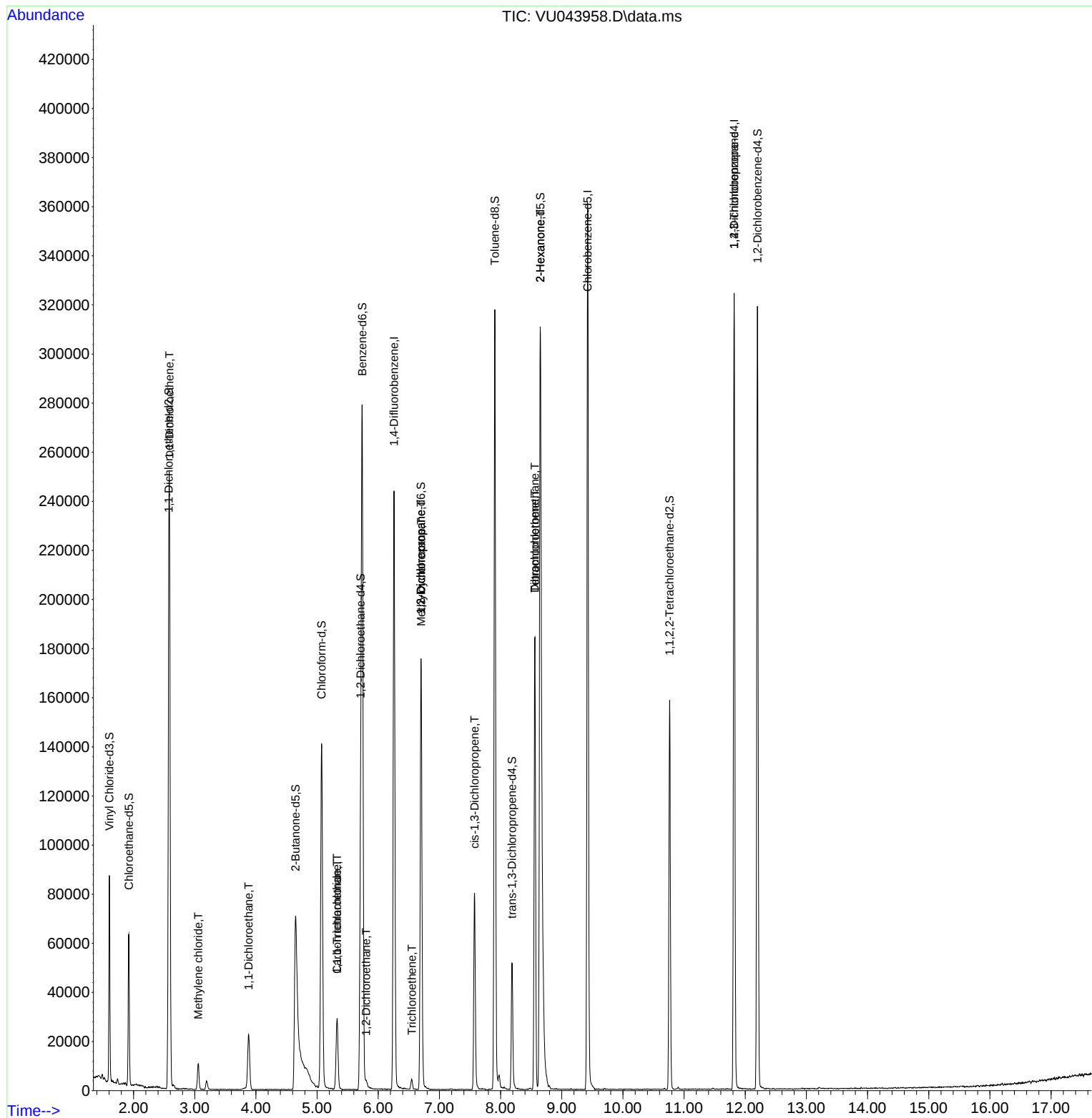
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.259  | 114   | 206858   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 221283   | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 95246    | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 58582    | 5.09     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 101.80%  |
| 7) Chloroethane-d5            | 1.922  | 69    | 44713    | 5.38     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 107.60%  |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 28017    | 5.00     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 100.00%  |
| 20) 2-Butanone-d5             | 4.649  | 46    | 163136   | 44.69    | ug/L   | -0.05    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 89.38%   |
| 24) Chloroform-d              | 5.073  | 84    | 136412   | 5.13     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.60%  |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 71410    | 5.25     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.00%  |
| 32) Benzene-d6                | 5.739  | 84    | 271991   | 4.84     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.80%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 88324    | 4.94     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.80%   |
| 41) Toluene-d8                | 7.906  | 98    | 222687   | 4.31     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.20%   |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79    | 31412    | 4.60     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.00%   |
| 46) 2-Hexanone-d5             | 8.648  | 63    | 146211   | 48.88    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 97.76%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 81399    | 4.95     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.00%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 93504    | 5.40     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 108.00%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 59573    | 4.46     | ug/L # | 87       |
| 16) Methylene chloride        | 3.060  | 84    | 5680     | 0.33     | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 3.880  | 63    | 25977    | 1.09     | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.803  | 62    | 1500     | 0.10     | ug/L # | 72       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97    | 21345    | 0.93     | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.327  | 117   | 2821     | 0.14     | ug/L   | 94       |
| 34) Trichloroethene           | 6.549  | 95    | 1208     | 0.08     | ug/L   | 88       |
| 35) Methylcyclohexane         | 6.703  | 83    | 21051    | 0.93     | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.700  | 63    | 8853     | 0.56     | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.574  | 75    | 1798     | 0.09     | ug/L # | 68       |
| 47) Tetrachloroethene         | 8.562  | 164   | 44332    | 3.30     | ug/L   | 99       |
| 48) 2-Hexanone                | 8.648  | 43    | 17000    | 2.55     | ug/L # | 63       |
| 49) Dibromochloromethane      | 8.562  | 129   | 40672    | 2.90     | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.819 | 75    | 9480     | 1.08     | ug/L # | 69       |
| -----                         |        |       |          |          |        |          |

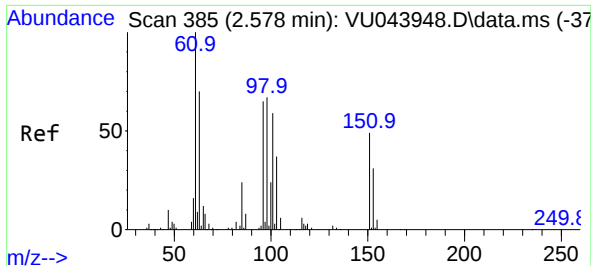
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052421\  
Data File : VU043958.D  
Acq On : 25 May 2021 13:00  
Operator : SY/MD  
Sample : M2494-11DL 5X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GB424DL

Quant Time: May 25 14:30:15 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR052421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue May 25 07:46:23 2021  
Response via : Initial Calibration

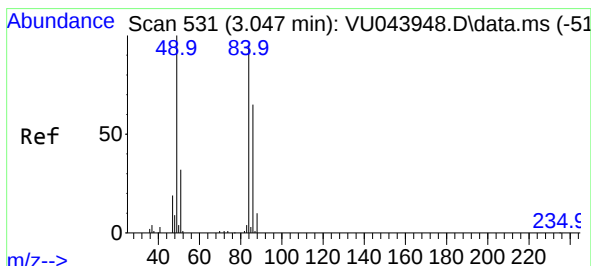
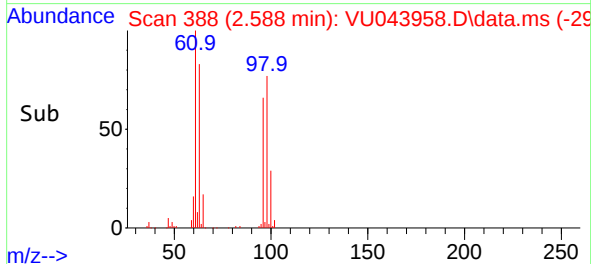
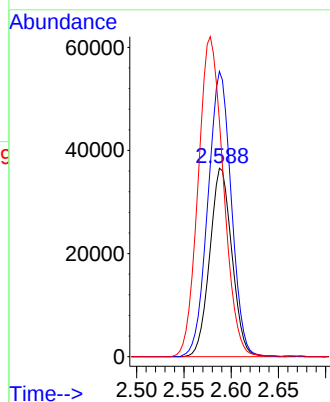
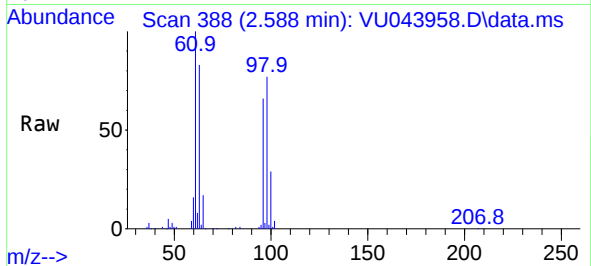




#12  
1,1-Dichloroethene  
Concen: 4.46 ug/L  
RT: 2.588 min Scan# 388  
Delta R.T. 0.010 min  
Lab File: VU043958.D  
Acq: 25 May 2021 13:00

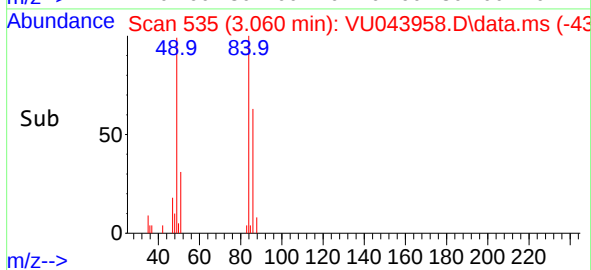
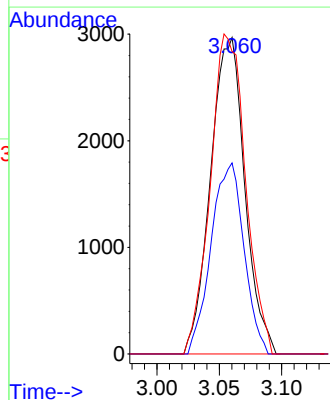
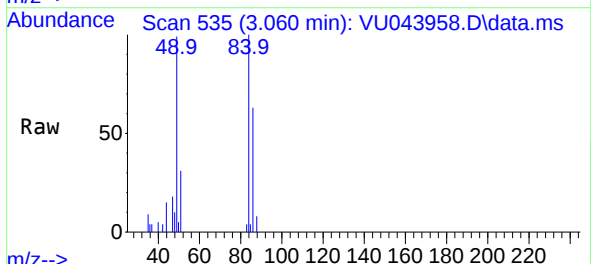
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB424DL

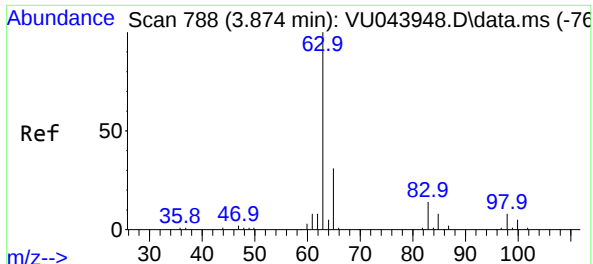
Tgt Ion: 96 Resp: 59573  
Ion Ratio Lower Upper  
96 100  
61 151.3 105.1 195.3  
63 125.1 66.6 123.6#



#16  
Methylene chloride  
Concen: 0.33 ug/L  
RT: 3.060 min Scan# 535  
Delta R.T. 0.013 min  
Lab File: VU043958.D  
Acq: 25 May 2021 13:00

Tgt Ion: 84 Resp: 5680  
Ion Ratio Lower Upper  
84 100  
86 60.4 45.6 84.8  
49 100.6 74.2 137.8



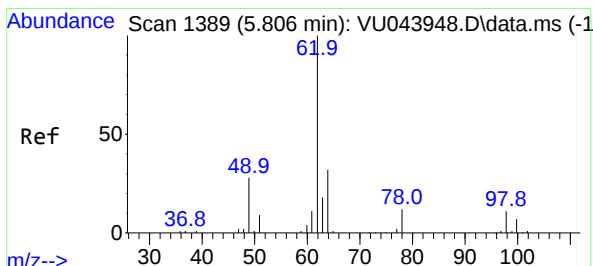
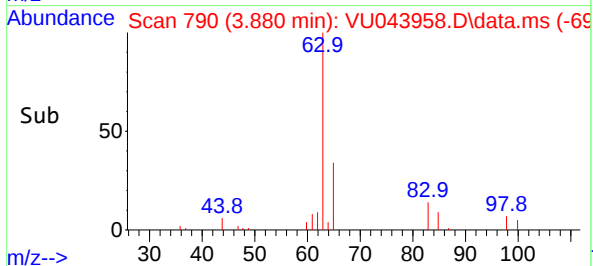
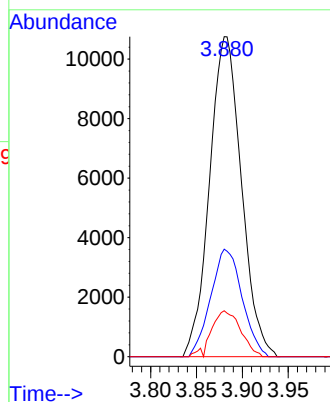
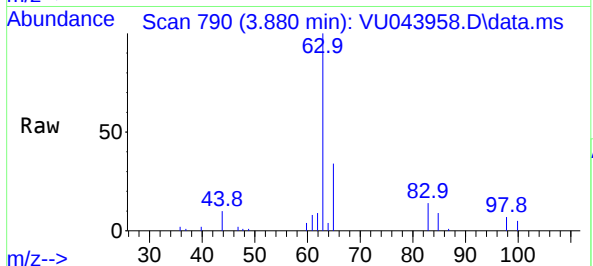


#19  
1,1-Dichloroethane  
Concen: 1.09 ug/L  
RT: 3.880 min Scan# 790  
Delta R.T. 0.006 min  
Lab File: VU043958.D  
Acq: 25 May 2021 13:00

Instrument :  
MSVOA\_U  
ClientSampled :  
GB424DL

Tgt Ion: 63 Resp: 25977

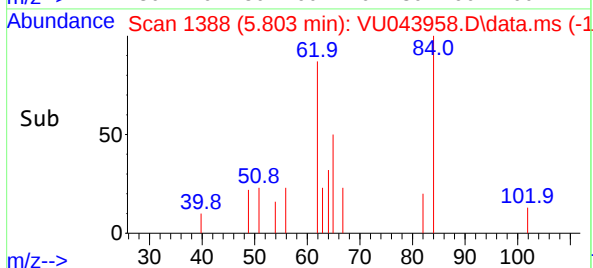
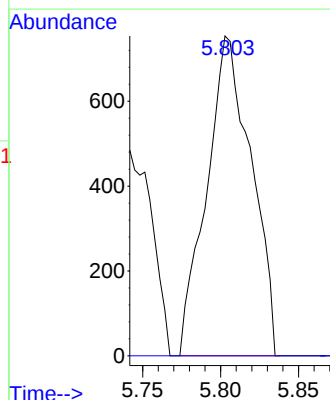
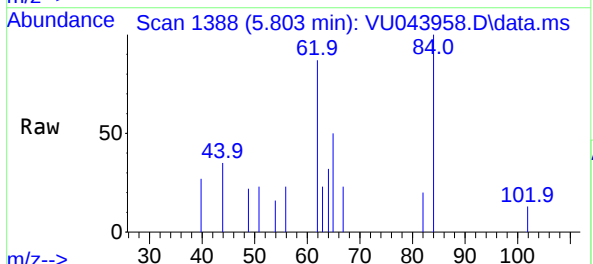
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 33.6  | 23.2  | 43.2  |
| 83  | 14.3  | 9.7   | 18.1  |

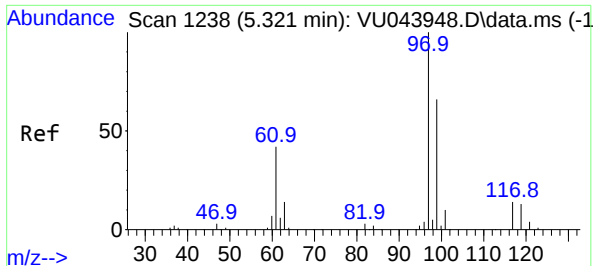


#27  
1,2-Dichloroethane  
Concen: 0.10 ug/L  
RT: 5.803 min Scan# 1388  
Delta R.T. -0.003 min  
Lab File: VU043958.D  
Acq: 25 May 2021 13:00

Tgt Ion: 62 Resp: 1500

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 0.0   | 8.3   | 12.5# |

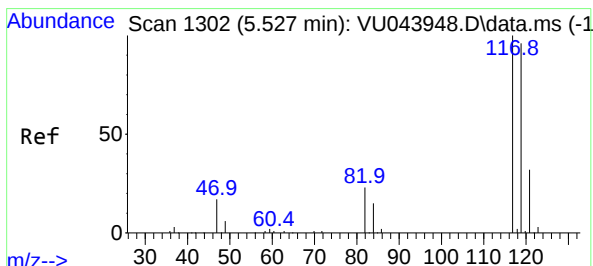
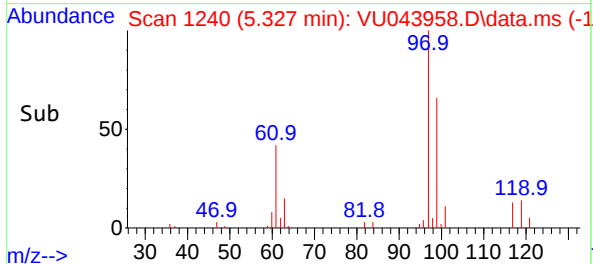
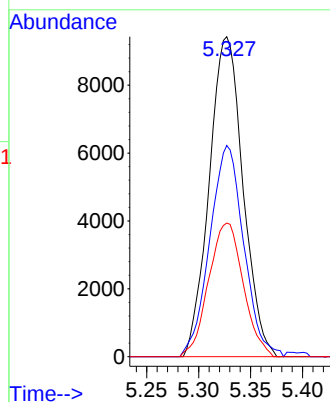
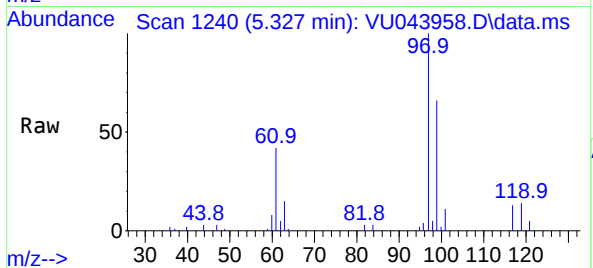




#29  
1,1,1-Trichloroethane  
Concen: 0.93 ug/L  
RT: 5.327 min Scan# 1240  
Delta R.T. 0.006 min  
Lab File: VU043958.D  
Acq: 25 May 2021 13:00

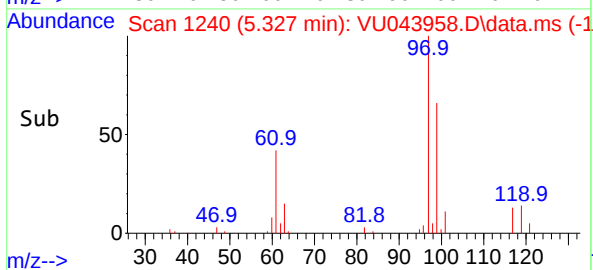
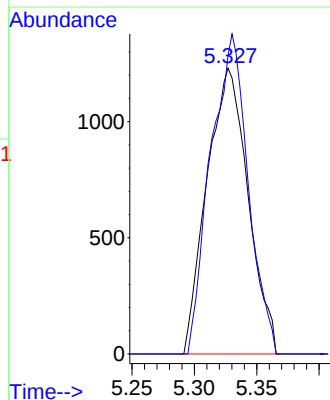
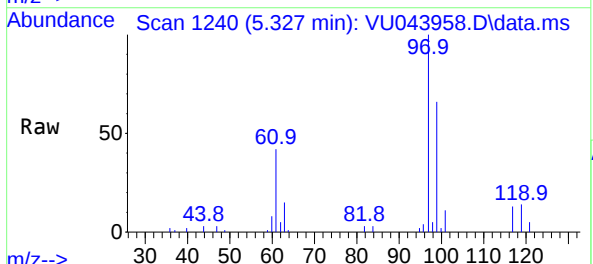
Instrument :  
MSVOA\_U  
ClientSampled :  
GB424DL

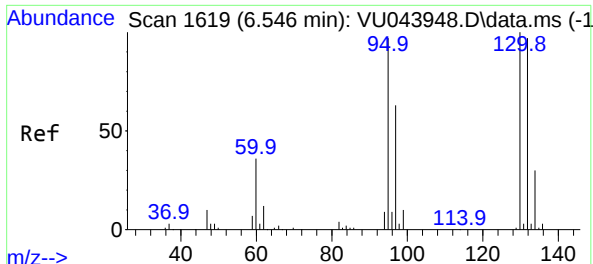
Tgt Ion: 97 Resp: 21345  
Ion Ratio Lower Upper  
97 100  
99 66.4 51.9 77.9  
61 42.8 34.7 52.1



#31  
Carbon tetrachloride  
Concen: 0.14 ug/L  
RT: 5.327 min Scan# 1240  
Delta R.T. -0.199 min  
Lab File: VU043958.D  
Acq: 25 May 2021 13:00

Tgt Ion: 117 Resp: 2821  
Ion Ratio Lower Upper  
117 100  
119 102.2 77.4 116.0



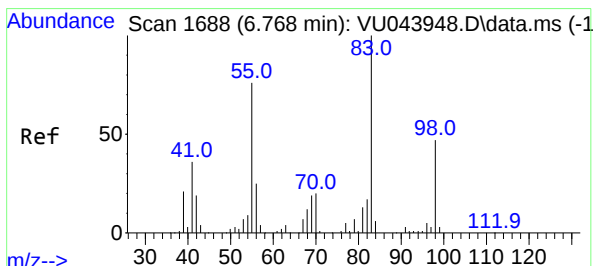
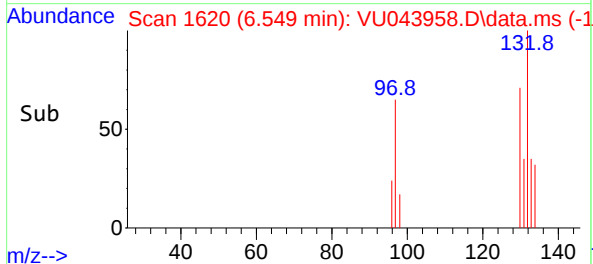
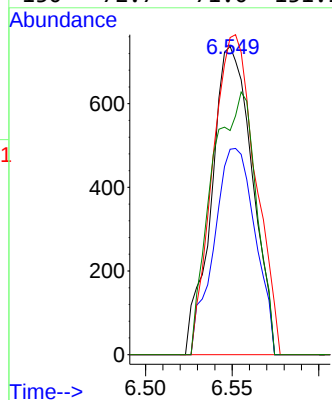
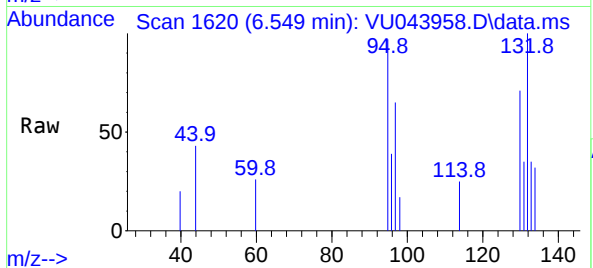


#34  
Trichloroethene  
Concen: 0.08 ug/L  
RT: 6.549 min Scan# 1620  
Delta R.T. 0.003 min  
Lab File: VU043958.D  
Acq: 25 May 2021 13:00

Instrument :  
MSVOA\_U  
ClientSampled :  
GB424DL

Tgt Ion: 95 Resp: 1208

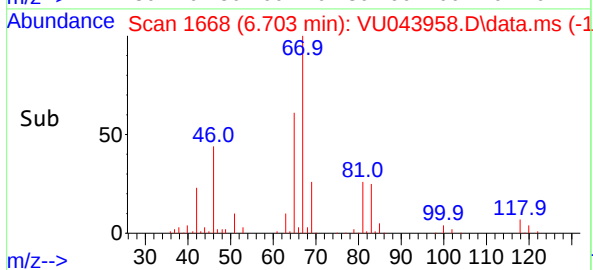
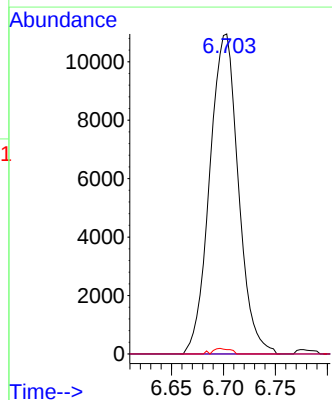
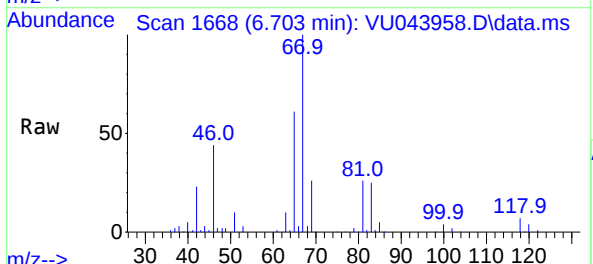
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.6  | 45.5  | 84.5  |
| 132 | 102.8 | 70.9  | 131.7 |
| 130 | 72.7  | 71.0  | 131.9 |

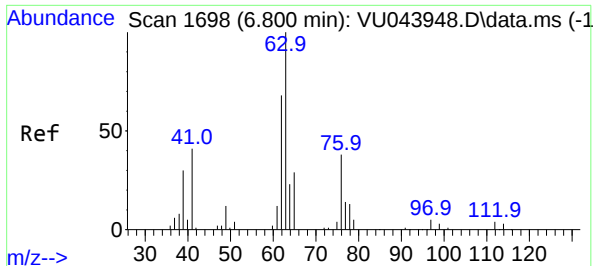


#35  
Methylcyclohexane  
Concen: 0.93 ug/L  
RT: 6.703 min Scan# 1668  
Delta R.T. -0.061 min  
Lab File: VU043958.D  
Acq: 25 May 2021 13:00

Tgt Ion: 83 Resp: 21051

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 61.2  | 91.8# |
| 98  | 1.1   | 37.0  | 55.4# |

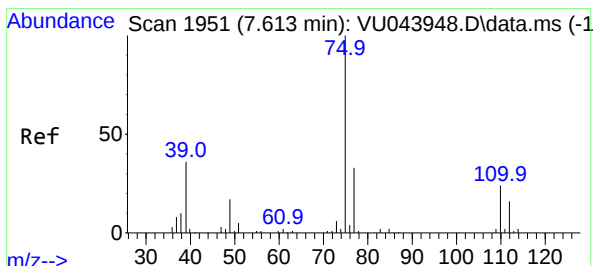
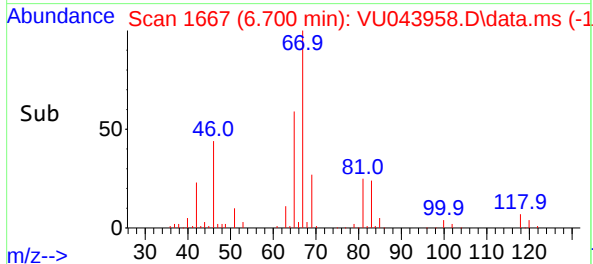
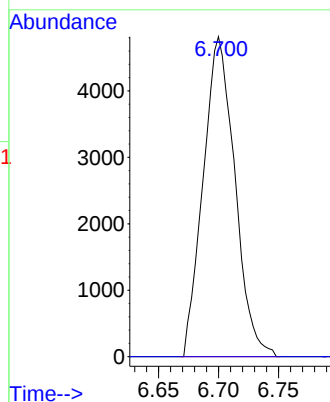
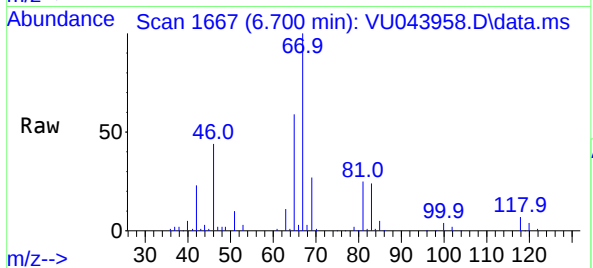




#37  
1,2-Dichloropropane  
Concen: 0.56 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.100 min  
Lab File: VU043958.D  
Acq: 25 May 2021 13:00

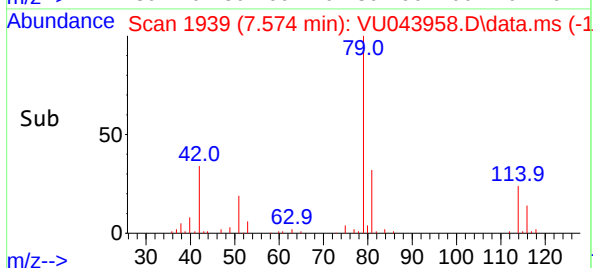
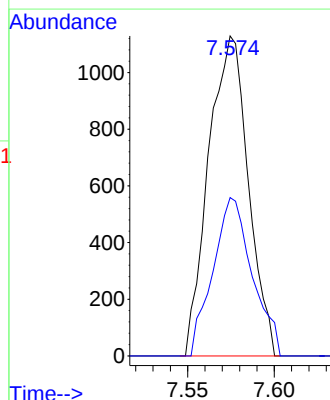
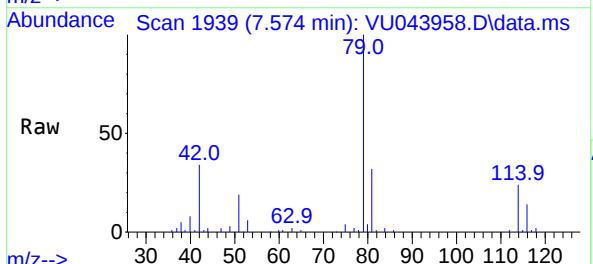
Instrument :  
MSVOA\_U  
ClientSampled :  
GB424DL

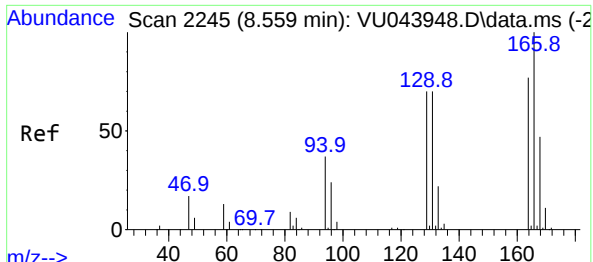
Tgt Ion: 63 Resp: 8853  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.7 5.5#



#39  
cis-1,3-Dichloropropene  
Concen: 0.09 ug/L  
RT: 7.574 min Scan# 1939  
Delta R.T. -0.039 min  
Lab File: VU043958.D  
Acq: 25 May 2021 13:00

Tgt Ion: 75 Resp: 1798  
Ion Ratio Lower Upper  
75 100  
77 49.5 22.3 41.3#



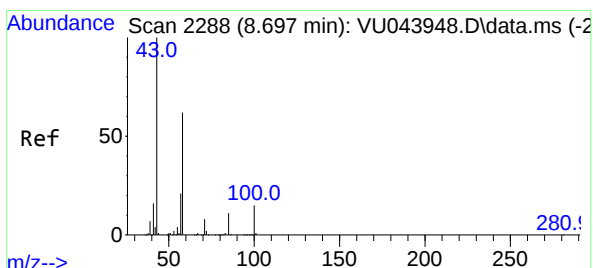
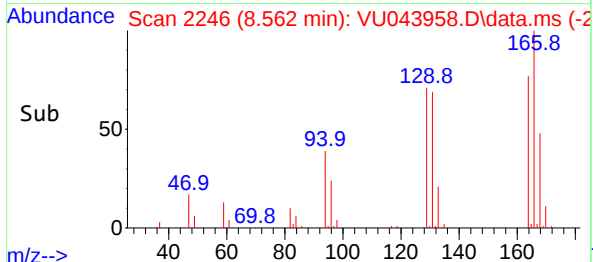
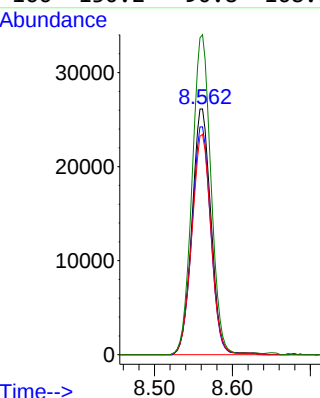
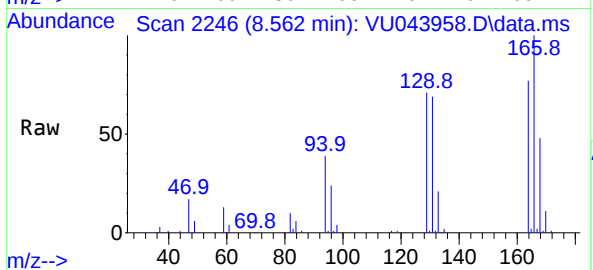


#47  
Tetrachloroethene  
Concen: 3.30 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. 0.003 min  
Lab File: VU043958.D  
Acq: 25 May 2021 13:00

Instrument :  
MSVOA\_U  
ClientSampled :  
GB424DL

Tgt Ion:164 Resp: 44332

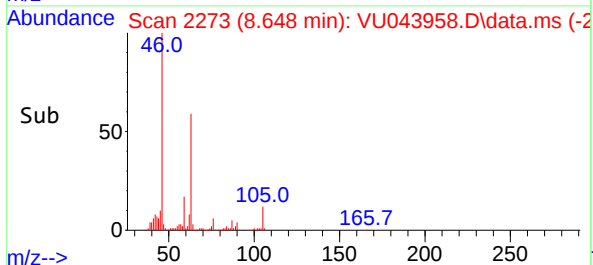
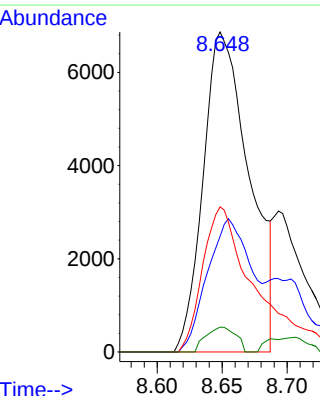
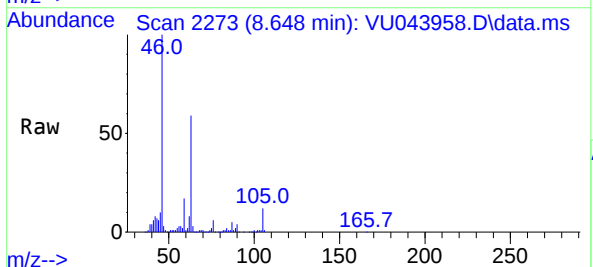
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 92.7  | 64.1  | 119.1 |
| 131 | 89.7  | 64.5  | 119.9 |
| 166 | 130.2 | 90.8  | 168.6 |

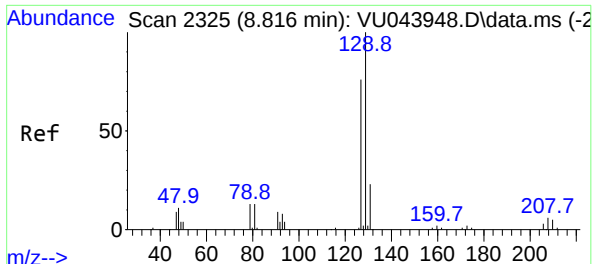


#48  
2-Hexanone  
Concen: 2.55 ug/L  
RT: 8.648 min Scan# 2273  
Delta R.T. -0.051 min  
Lab File: VU043958.D  
Acq: 25 May 2021 13:00

Tgt Ion: 43 Resp: 17000

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 39.0  | 49.4  | 74.0# |
| 57  | 52.4  | 16.8  | 25.2# |
| 100 | 5.0   | 10.6  | 15.8# |





#49

Dibromochloromethane

Concen: 2.90 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. -0.254 min

Lab File: VU043958.D

Acq: 25 May 2021 13:00

Instrument :

MSVOA\_U

ClientSampleId :

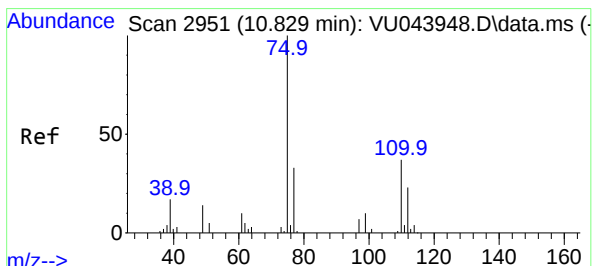
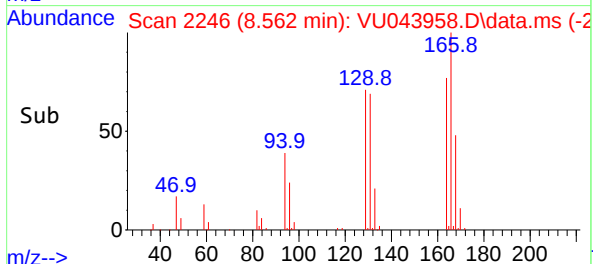
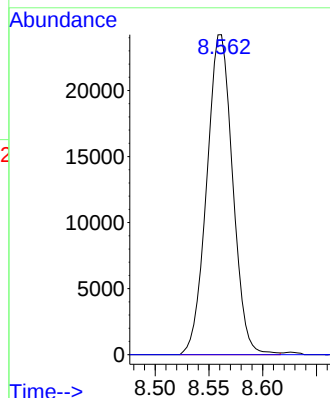
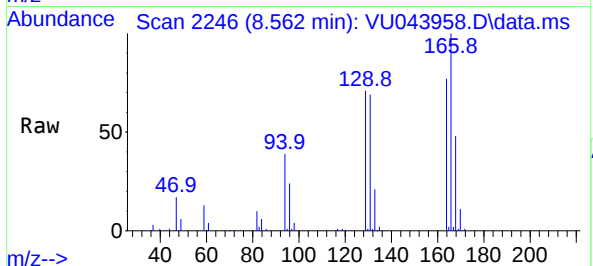
GB424DL

Tgt Ion:129 Resp: 40672

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#61

1,2,3-Trichloropropane

Concen: 1.08 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.990 min

Lab File: VU043958.D

Acq: 25 May 2021 13:00

Tgt Ion: 75 Resp: 9480

Ion Ratio Lower Upper

75 100

110 1.7 29.3 43.9#

77 32.8 26.3 39.5

