

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041521\  
 Data File : VU043138.D  
 Acq On : 15 Apr 2021 22:33  
 Operator : SY/MD  
 Sample : M2055-04  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

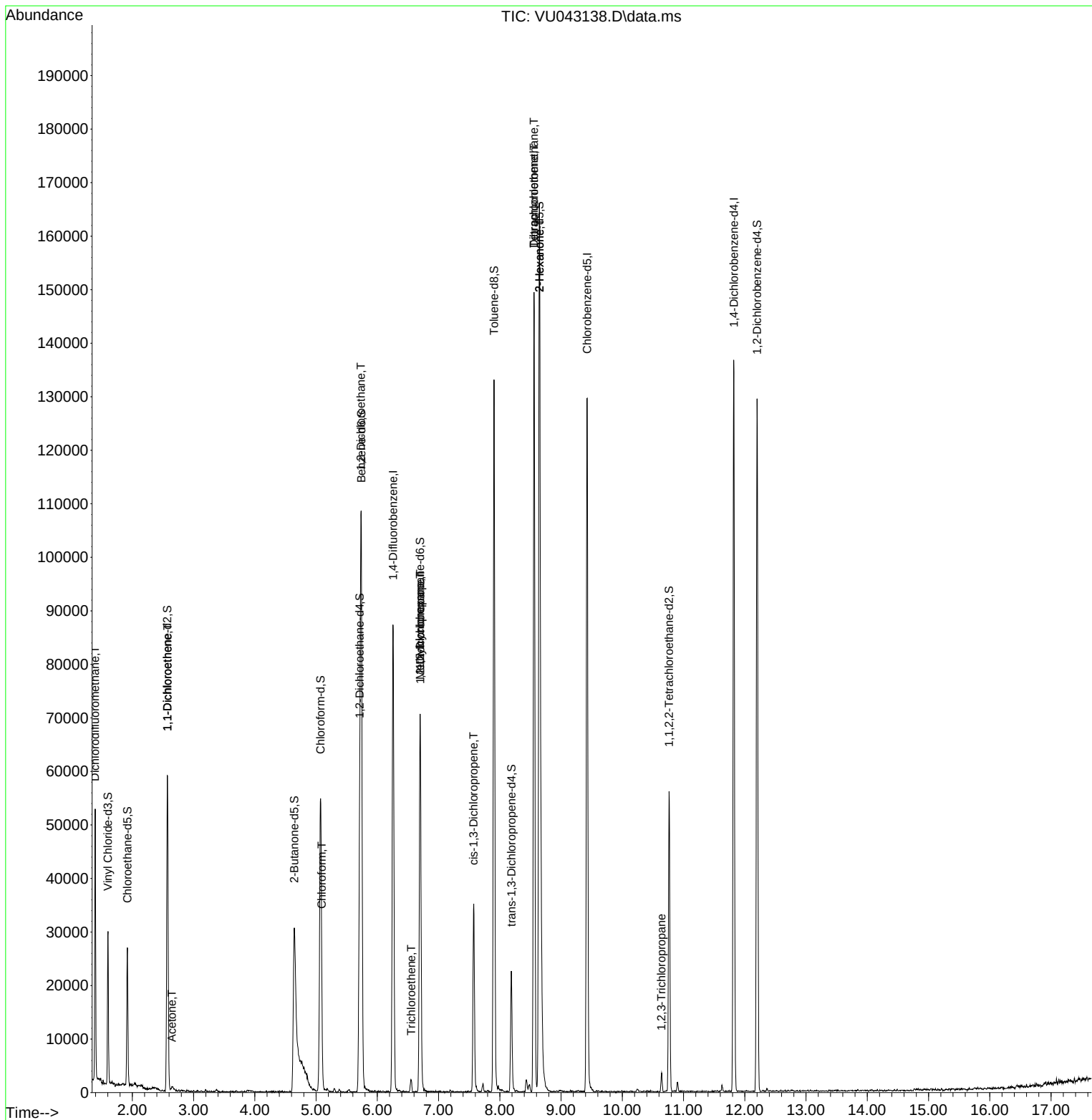
Instrument :  
 MSVOA\_U  
 ClientSampleId :

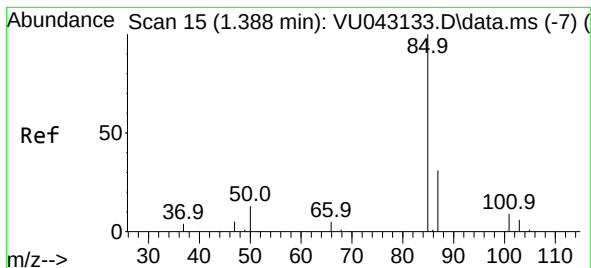
Quant Time: Apr 16 07:15:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Apr 16 07:14:05 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc  | Units   | Dev(Min)  |
|-------------------------------|--------|----------------|----------|-------|---------|-----------|
| Internal Standards            |        |                |          |       |         |           |
| 1) 1,4-Difluorobenzene        | 6.256  | 114            | 66219    | 5.00  | ug/L    | # 0.00    |
| 28) Chlorobenzene-d5          | 9.426  | 117            | 66971    | 5.00  | ug/L    | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.822 | 152            | 33167    | 5.00  | ug/L    | 0.00      |
| System Monitoring Compounds   |        |                |          |       |         |           |
| 4) Vinyl Chloride-d3          | 1.600  | 65             | 18474    | 5.49  | ug/L    | 0.00      |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =     | 109.80% |           |
| 7) Chloroethane-d5            | 1.919  | 69             | 17254    | 5.44  | ug/L    | 0.00      |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =     | 108.80% |           |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65             | 11399    | 5.85  | ug/L    | 0.00      |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =     | 117.00% |           |
| 20) 2-Butanone-d5             | 4.645  | 46             | 68295    | 46.24 | ug/L    | 0.00      |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =     | 92.48%  |           |
| 24) Chloroform-d              | 5.073  | 84             | 49485    | 5.78  | ug/L    | 0.00      |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =     | 115.60% |           |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65             | 32290    | 5.58  | ug/L    | 0.00      |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =     | 111.60% |           |
| 32) Benzene-d6                | 5.739  | 84             | 88673    | 5.69  | ug/L    | 0.00      |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =     | 113.80% |           |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67             | 30082    | 5.82  | ug/L    | 0.00      |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =     | 116.40% |           |
| 41) Toluene-d8                | 7.906  | 98             | 83127    | 5.13  | ug/L    | 0.00      |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =     | 102.60% |           |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79             | 11743    | 5.14  | ug/L    | 0.00      |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =     | 102.80% |           |
| 46) 2-Hexanone-d5             | 8.645  | 63             | 66721    | 58.58 | ug/L    | 0.00      |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =     | 117.16% |           |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84             | 25373    | 5.58  | ug/L    | 0.00      |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =     | 111.60% |           |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152            | 32018    | 5.63  | ug/L    | 0.00      |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =     | 112.60% |           |
| Target Compounds              |        |                |          |       |         |           |
| 2) Dichlorodifluoromethane    | 1.391  | 85             | 566      | 0.13  | ug/L    | Qvalue 96 |
| 12) 1,1-Dichloroethene        | 2.575  | 96             | 330      | 0.09  | ug/L    | # 1       |
| 13) Acetone                   | 2.645  | 43             | 1499     | 1.38  | ug/L    | # 62      |
| 25) Chloroform                | 5.092  | 83             | 1793     | 0.20  | ug/L    | 87        |
| 27) 1,2-Dichloroethane        | 5.732  | 62             | 714      | 0.11  | ug/L    | # 74      |
| 34) Trichloroethene           | 6.552  | 95             | 831      | 0.17  | ug/L    | 88        |
| 35) Methylcyclohexane         | 6.697  | 83             | 7176     | 1.05  | ug/L    | # 19      |
| 37) 1,2-Dichloropropane       | 6.703  | 63             | 3656     | 0.73  | ug/L    | # 87      |
| 39) cis-1,3-Dichloropropene   | 7.571  | 75             | 919      | 0.12  | ug/L    | # 45      |
| 47) Tetrachloroethene         | 8.558  | 164            | 31019    | 7.93  | ug/L    | 96        |
| 48) 2-Hexanone                | 8.648  | 43             | 10810    | 3.26  | ug/L    | # 61      |
| 49) Dibromochloromethane      | 8.558  | 129            | 28900    | 6.08  | ug/L    | # 9       |
| 61) 1,2,3-Trichloropropane    | 10.639 | 75             | 601      | 0.18  | ug/L    | # 38      |

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

Quant Time: Apr 16 07:15:35 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Apr 16 07:14:05 2021  
Response via : Initial Calibration

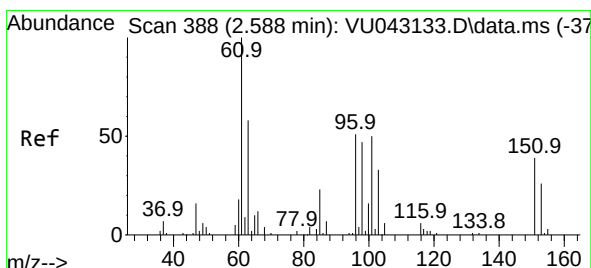
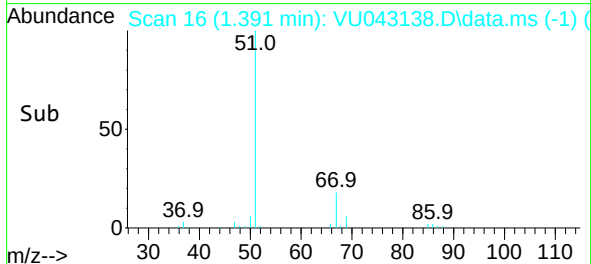
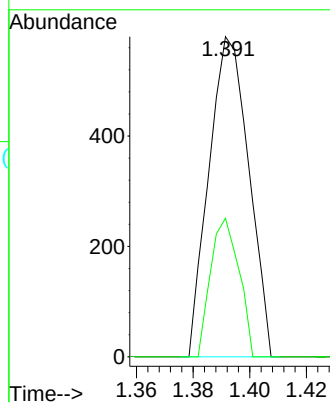
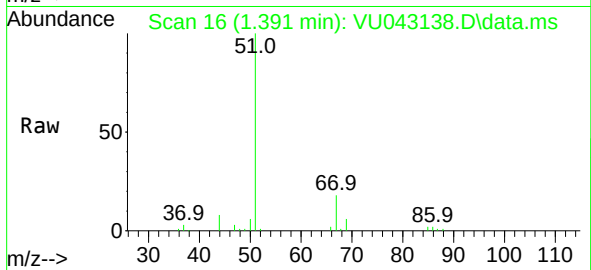




#2  
Dichlorodifluoromethane  
Concen: 0.13 ug/L  
RT: 1.391 min Scan# 16  
Delta R.T. 0.003 min  
Lab File: VU043138.D  
Acq: 15 Apr 2021 22:33

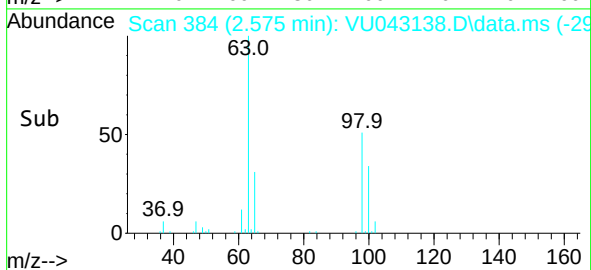
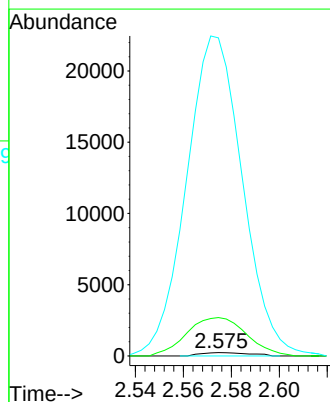
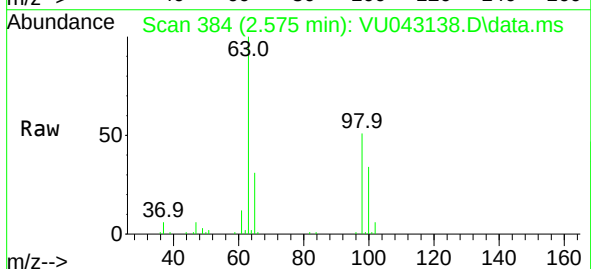
Instrument :  
MSVOA\_U  
ClientSampled :

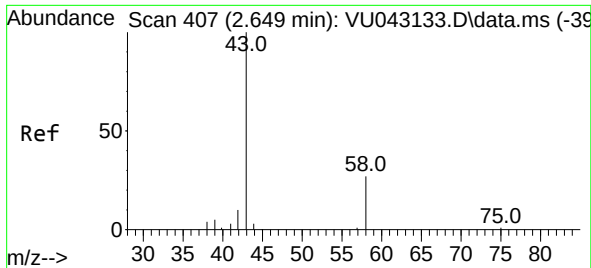
Tgt Ion: 85 Resp: 566  
Ion Ratio Lower Upper  
85 100  
87 30.7 26.3 39.5



#12  
1,1-Dichloroethene  
Concen: 0.09 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.013 min  
Lab File: VU043138.D  
Acq: 15 Apr 2021 22:33

Tgt Ion: 96 Resp: 330  
Ion Ratio Lower Upper  
96 100  
61 1168.0 115.1 213.7#  
63 9662.3 84.1 156.1#

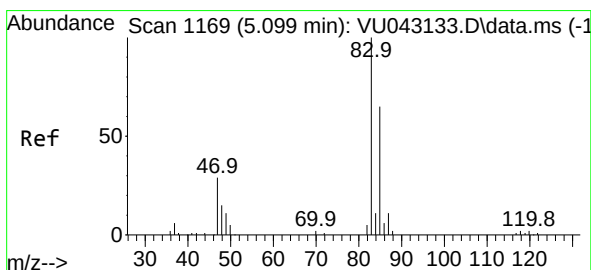
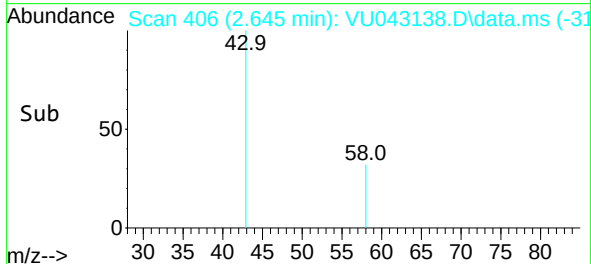
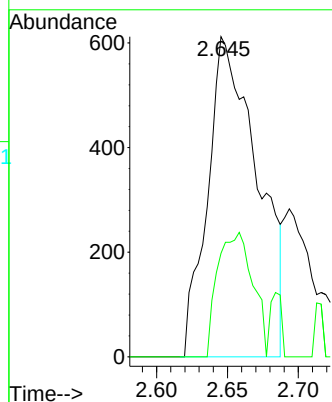
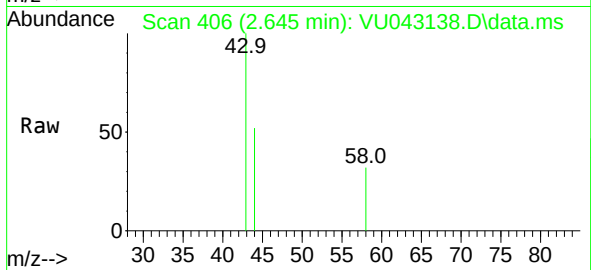




#13  
Acetone  
Concen: 1.38 ug/L  
RT: 2.645 min Scan# 406  
Delta R.T. -0.003 min  
Lab File: VU043138.D  
Acq: 15 Apr 2021 22:33

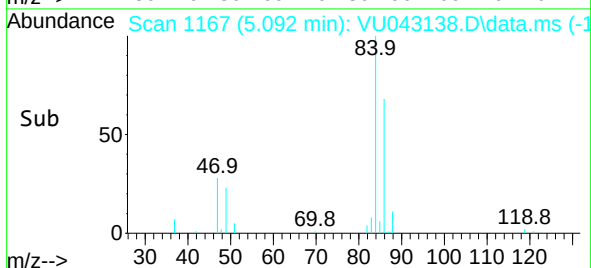
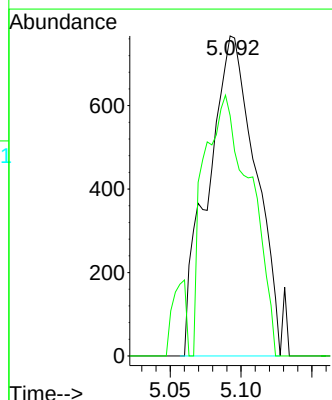
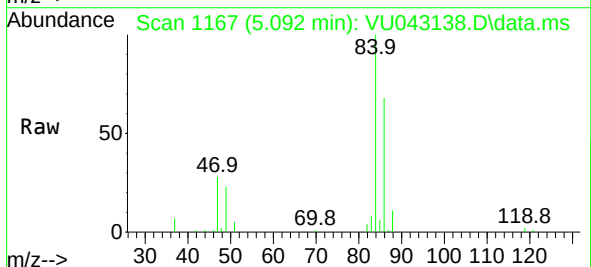
Instrument :  
MSVOA\_U  
ClientSampleId :

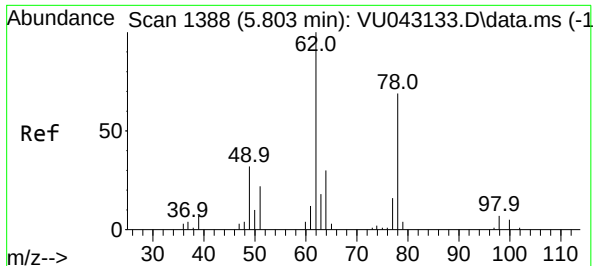
Tgt Ion: 43 Resp: 1499  
Ion Ratio Lower Upper  
43 100  
58 27.3 0.0 25.0#



#25  
Chloroform  
Concen: 0.20 ug/L  
RT: 5.092 min Scan# 1167  
Delta R.T. -0.006 min  
Lab File: VU043138.D  
Acq: 15 Apr 2021 22:33

Tgt Ion: 83 Resp: 1793  
Ion Ratio Lower Upper  
83 100  
85 75.1 45.6 84.8





#27

1,2-Dichloroethane

Concen: 0.11 ug/L

RT: 5.732 min Scan# 1366

Delta R.T. -0.071 min

Lab File: VU043138.D

Acq: 15 Apr 2021 22:33

Tgt Ion: 62 Resp: 714

Ion Ratio Lower Upper

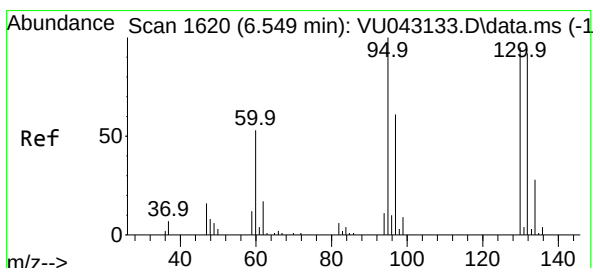
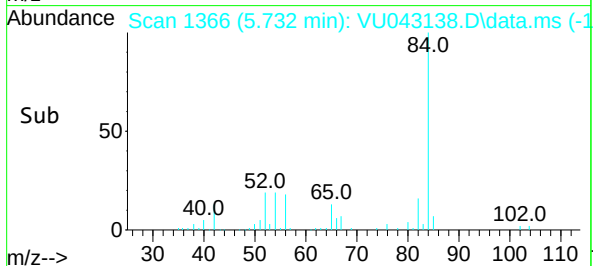
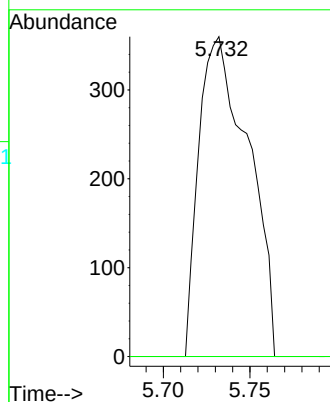
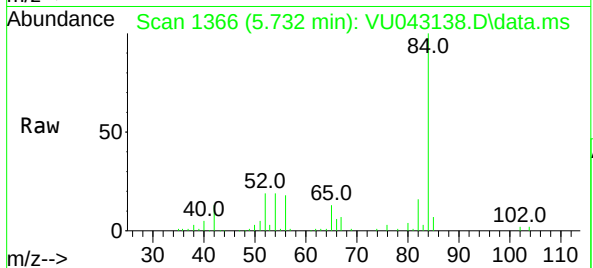
62 100

98 0.0 7.5 11.3#

Instrument :

MSVOA\_U

ClientSampled :



#34

Trichloroethene

Concen: 0.17 ug/L

RT: 6.552 min Scan# 1621

Delta R.T. 0.003 min

Lab File: VU043138.D

Acq: 15 Apr 2021 22:33

Tgt Ion: 95 Resp: 831

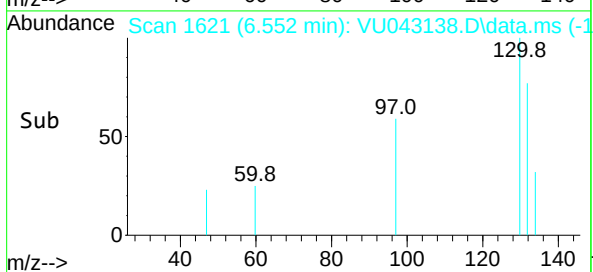
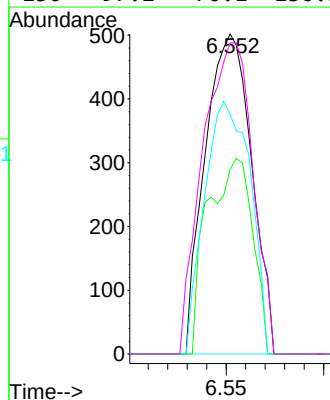
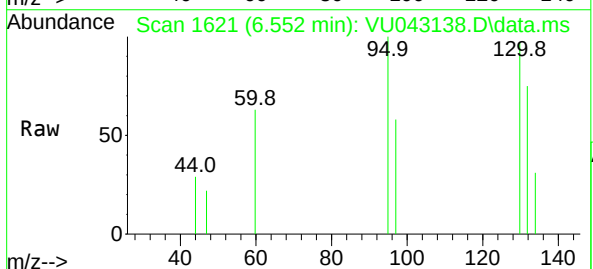
Ion Ratio Lower Upper

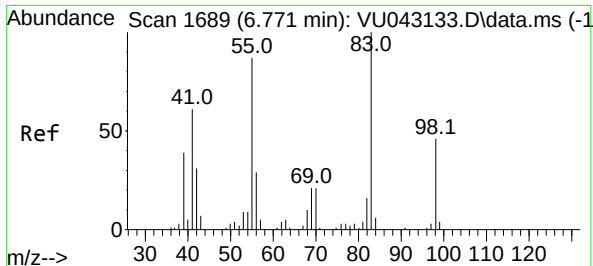
95 100

97 57.8 45.8 85.2

132 74.9 68.7 127.7

130 97.2 70.1 130.3





#35

Methylcyclohexane

Concen: 1.05 ug/L

RT: 6.697 min Scan# 1666

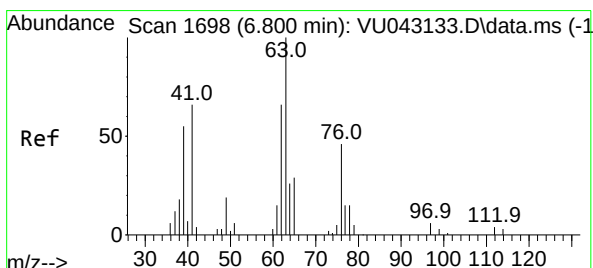
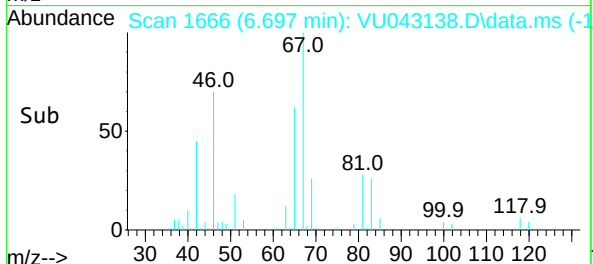
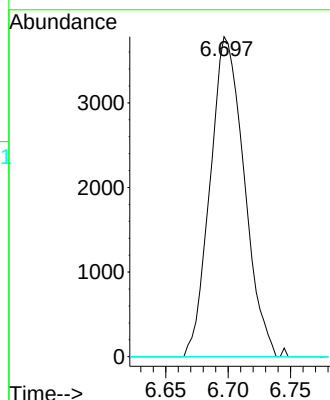
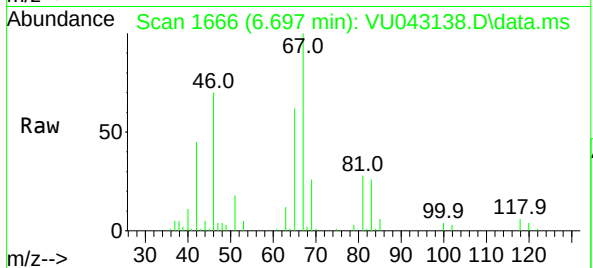
Delta R.T. -0.074 min

Lab File: VU043138.D

Acq: 15 Apr 2021 22:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 7176  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.0   | 59.5  | 89.3# |
| 98       | 0.0   | 37.9  | 56.9# |

Instrument :  
MSVOA\_U  
ClientSampleId :



#37

1,2-Dichloropropane

Concen: 0.73 ug/L

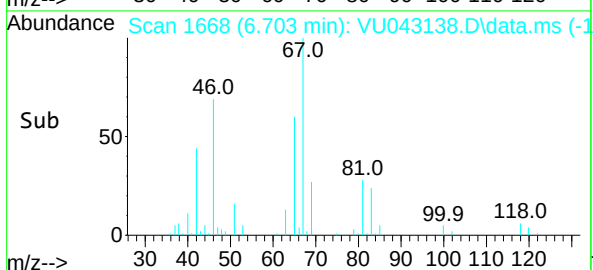
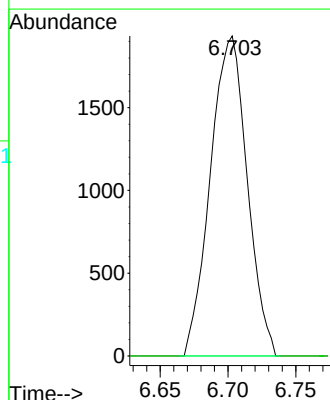
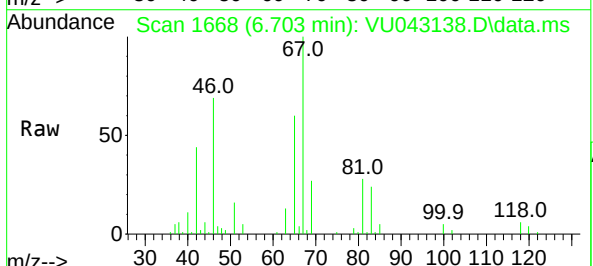
RT: 6.703 min Scan# 1668

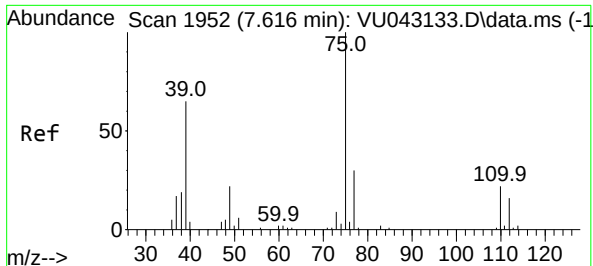
Delta R.T. -0.097 min

Lab File: VU043138.D

Acq: 15 Apr 2021 22:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 3656  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.0   | 3.5   | 5.3#  |



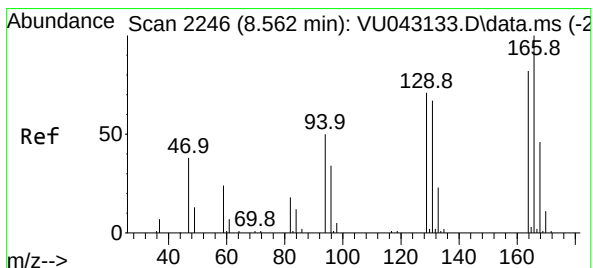
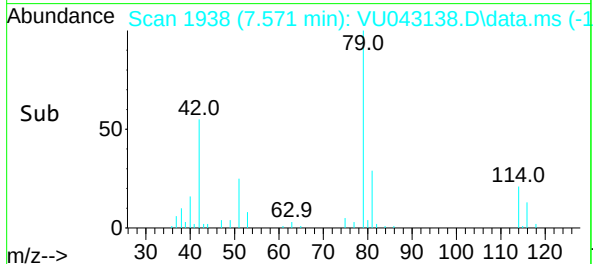
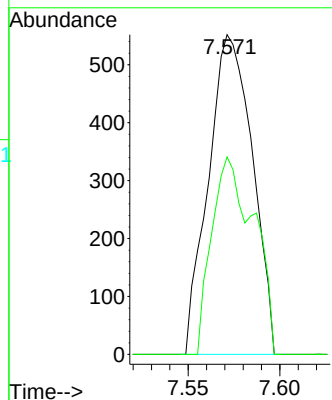
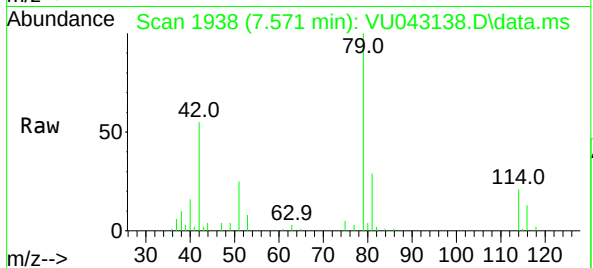


#39

cis-1,3-Dichloropropene  
Concen: 0.12 ug/L  
RT: 7.571 min Scan# 1938  
Delta R.T. -0.045 min  
Lab File: VU043138.D  
Acq: 15 Apr 2021 22:33

Instrument :  
MSVOA\_U  
ClientSampled :

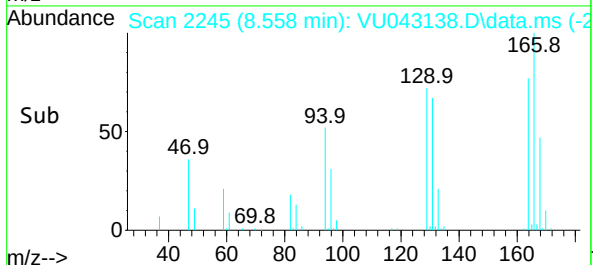
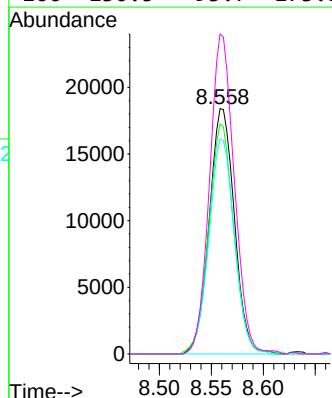
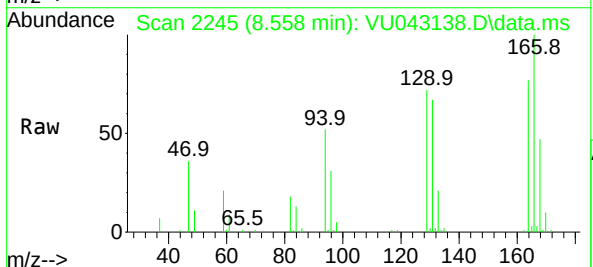
Tgt Ion: 75 Resp: 919  
Ion Ratio Lower Upper  
75 100  
77 61.8 21.8 40.6#

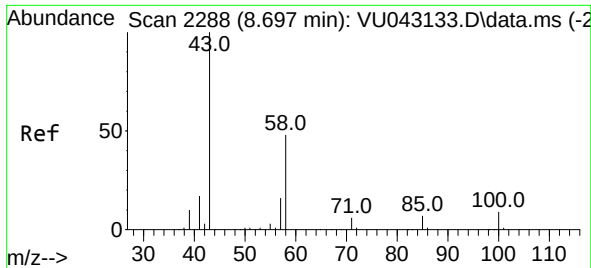


#47

Tetrachloroethene  
Concen: 7.93 ug/L  
RT: 8.558 min Scan# 2245  
Delta R.T. -0.003 min  
Lab File: VU043138.D  
Acq: 15 Apr 2021 22:33

Tgt Ion: 164 Resp: 31019  
Ion Ratio Lower Upper  
164 100  
129 93.7 66.6 123.8  
131 87.6 65.9 122.3  
166 130.5 93.7 173.9

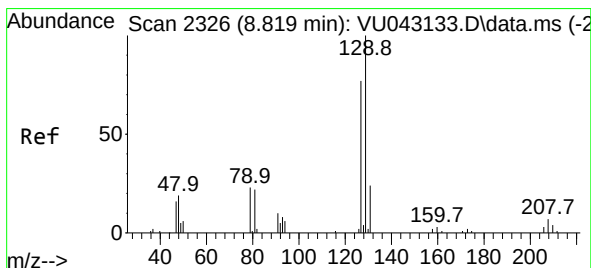
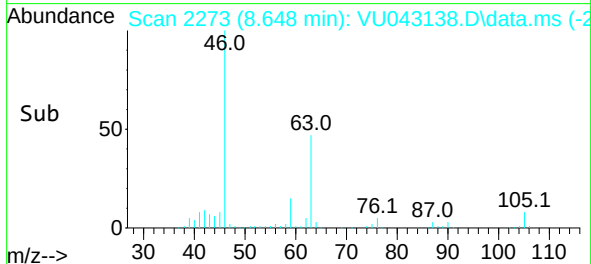
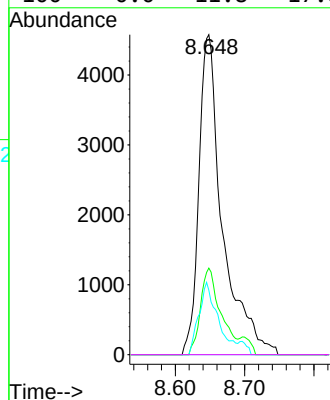
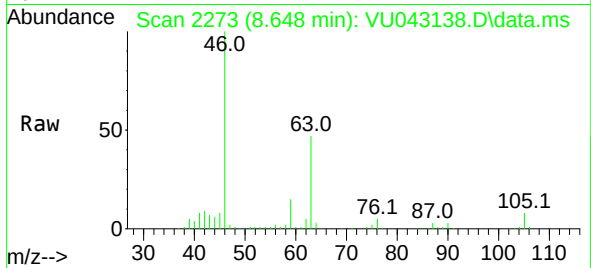




#48  
2-Hexanone  
Concen: 3.26 ug/L  
RT: 8.648 min Scan# 2273  
Delta R.T. -0.048 min  
Lab File: VU043138.D  
Acq: 15 Apr 2021 22:33

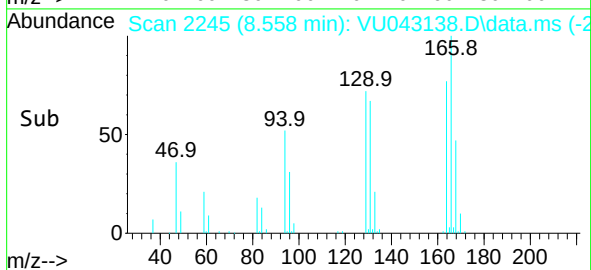
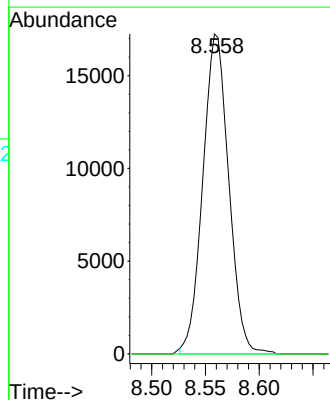
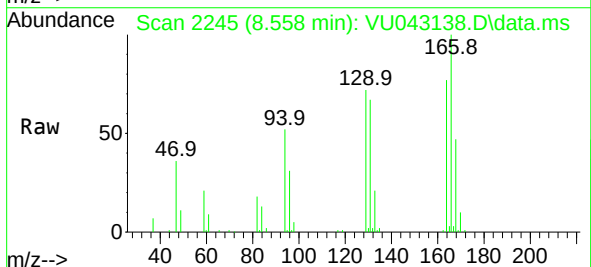
Instrument :  
MSVOA\_U  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 10810 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 23.3  | 50.0  | 75.0# |
| 57       | 18.5  | 17.4  | 26.0  |
| 100      | 0.0   | 11.8  | 17.8# |

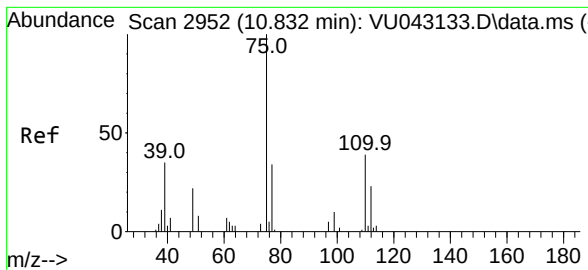


#49  
Dibromochloromethane  
Concen: 6.08 ug/L  
RT: 8.558 min Scan# 2245  
Delta R.T. -0.261 min  
Lab File: VU043138.D  
Acq: 15 Apr 2021 22:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 28900  |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 0.0   | 56.6  | 105.2# |

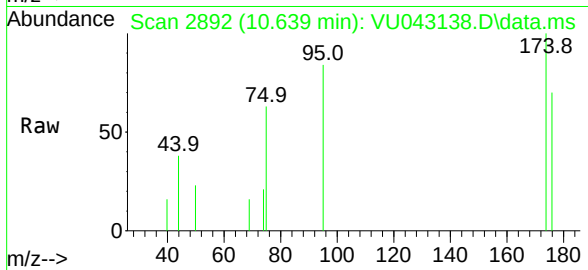






#61  
 1,2,3-Trichloropropane  
 Concen: 0.18 ug/L  
 RT: 10.639 min Scan# 2892  
 Delta R.T. -0.193 min  
 Lab File: VU043138.D  
 Acq: 15 Apr 2021 22:33

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 601  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 31.5 47.3#  
 77 0.0 26.3 39.5#

