

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041521\  
 Data File : VU043119.D  
 Acq On : 15 Apr 2021 14:32  
 Operator : SY/MD  
 Sample : M1986-03  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 16 05:36:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Apr 16 05:01:39 2021  
 Response via : Initial Calibration

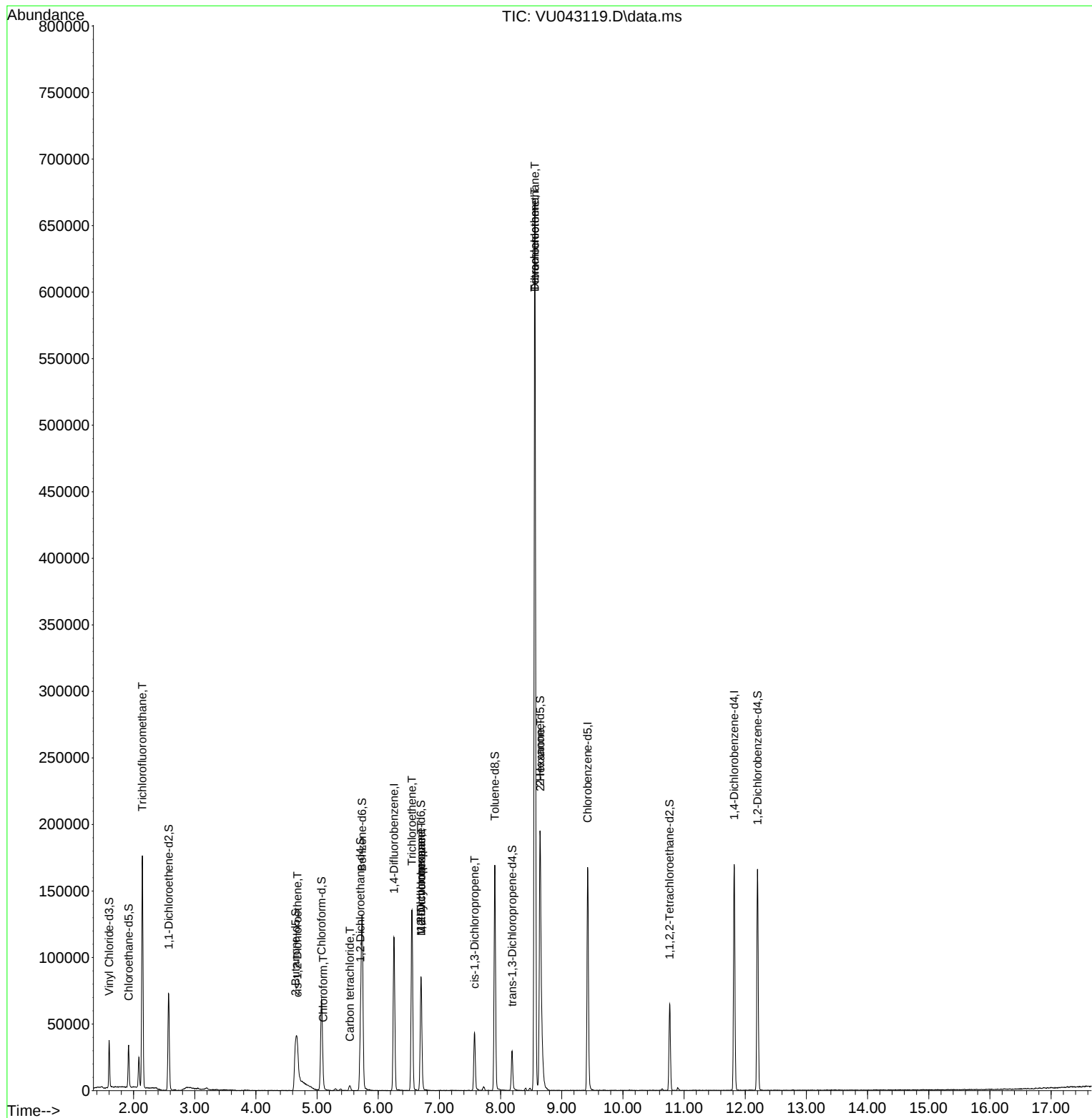
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.259  | 114   | 87428    | 5.00     | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 86279    | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 42383    | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 23888    | 5.37     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 107.40%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 20763    | 4.96     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.20%   |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 14135    | 5.49     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 109.80%  |
| 20) 2-Butanone-d5             | 4.649  | 46    | 68156    | 34.95    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 69.90%   |
| 24) Chloroform-d              | 5.073  | 84    | 58704    | 5.19     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.80%  |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65    | 38323    | 5.01     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.20%  |
| 32) Benzene-d6                | 5.735  | 84    | 108454   | 5.40     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 108.00%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 36569    | 5.49     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 109.80%  |
| 41) Toluene-d8                | 7.906  | 98    | 104376   | 5.00     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.00%  |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 15201    | 5.17     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 103.40%  |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 78956    | 53.81    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.62%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 30382    | 5.18     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.60%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 40700    | 5.60     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 112.00%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 107773   | 10.07    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.678  | 96    | 9862     | 1.61     | ug/L   | 88       |
| 25) Chloroform                | 5.099  | 83    | 2659     | 0.22     | ug/L   | 88       |
| 31) Carbon tetrachloride      | 5.536  | 117   | 2431     | 0.27     | ug/L   | 98       |
| 34) Trichloroethene           | 6.549  | 95    | 43549    | 6.85     | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.703  | 83    | 8569     | 0.97     | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.703  | 63    | 4089     | 0.63     | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 7.574  | 75    | 1287     | 0.14     | ug/L   | 89       |
| 47) Tetrachloroethene         | 8.558  | 164   | 139405   | 27.67    | ug/L   | 96       |
| 48) 2-Hexanone                | 8.648  | 43    | 12683    | 2.97     | ug/L # | 66       |
| 49) Dibromochloromethane      | 8.562  | 129   | 128556   | 20.99    | ug/L # | 9        |
| -----                         |        |       |          |          |        |          |

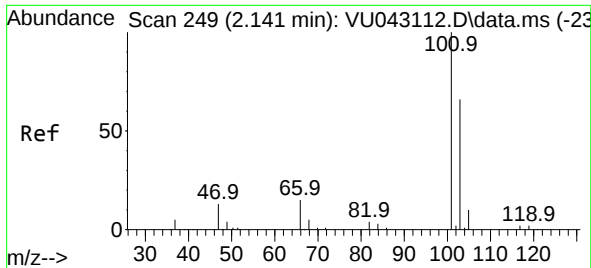
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Apr 16 05:01:39 2021  
Response via : Initial Calibration

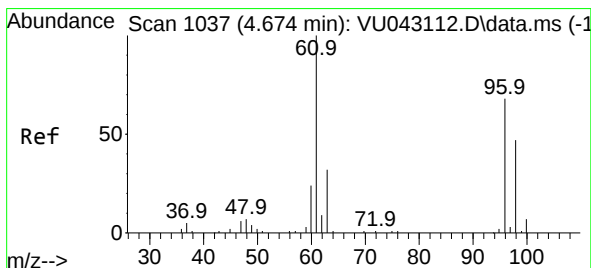
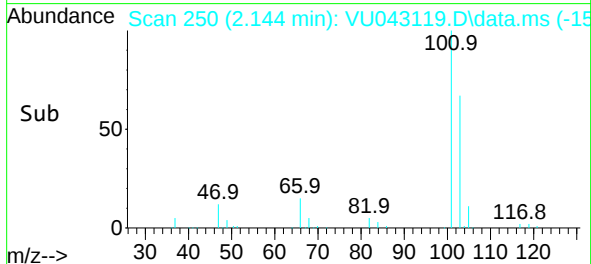
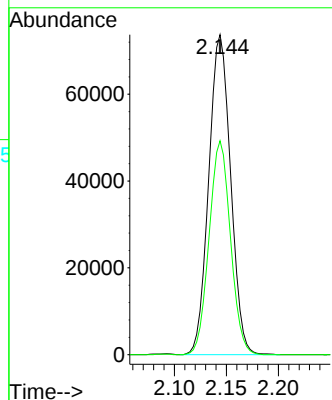
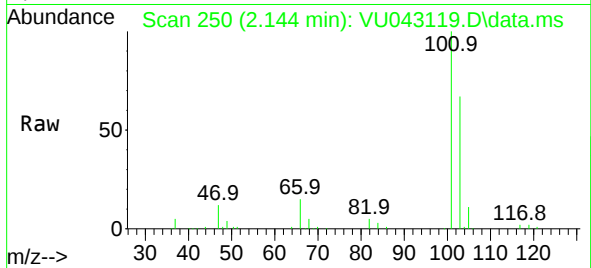




#9  
 Trichlorofluoromethane  
 Concen: 10.07 ug/L  
 RT: 2.144 min Scan# 250  
 Delta R.T. 0.003 min  
 Lab File: VU043119.D  
 Acq: 15 Apr 2021 14:32

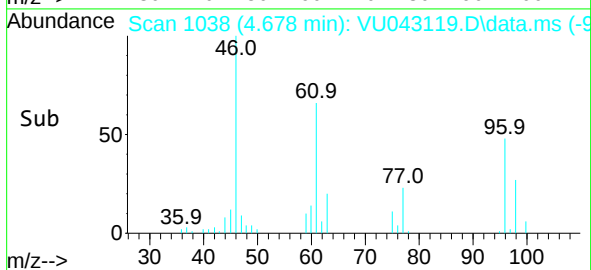
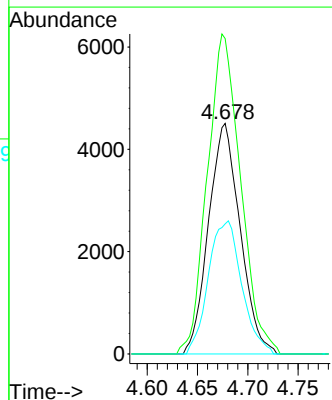
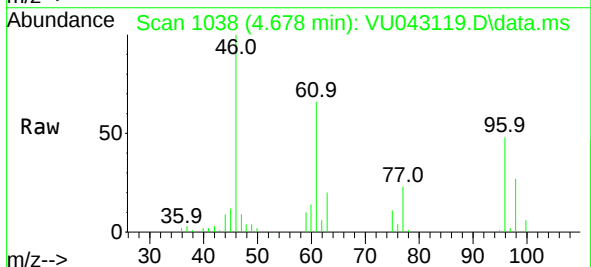
Instrument :  
 MSVOA\_U  
 ClientSampleId :

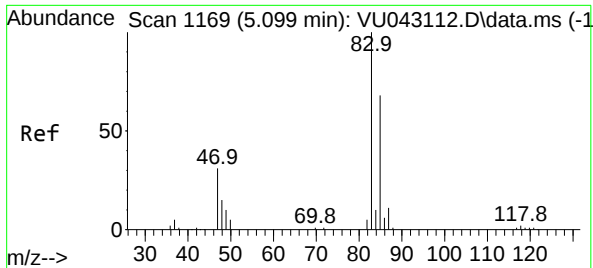
Tgt Ion:101 Resp: 107773  
 Ion Ratio Lower Upper  
 101 100  
 103 65.3 51.5 77.3



#22  
 cis-1,2-Dichloroethene  
 Concen: 1.61 ug/L  
 RT: 4.678 min Scan# 1038  
 Delta R.T. 0.003 min  
 Lab File: VU043119.D  
 Acq: 15 Apr 2021 14:32

Tgt Ion: 96 Resp: 9862  
 Ion Ratio Lower Upper  
 96 100  
 61 136.8 87.4 162.4  
 98 56.4 47.7 88.5



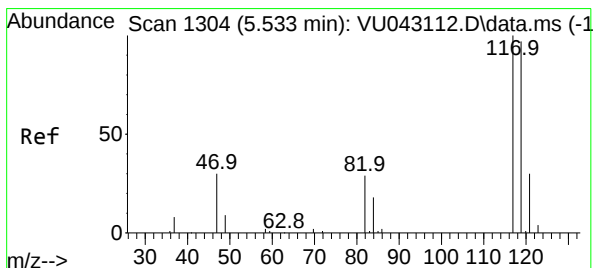
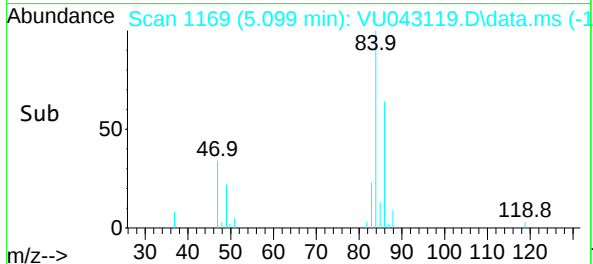
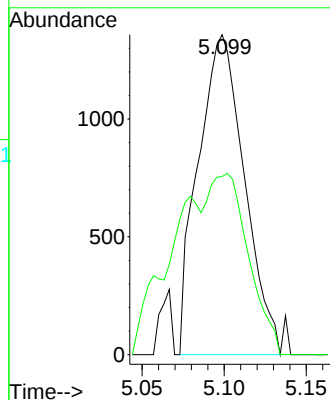
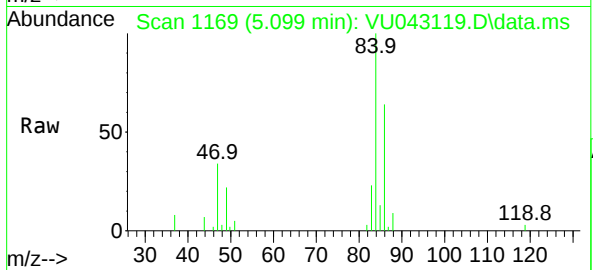


#25

Chloroform  
Concen: 0.22 ug/L  
RT: 5.099 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: VU043119.D  
Acq: 15 Apr 2021 14:32

Instrument :  
MSVOA\_U  
ClientSampleId :

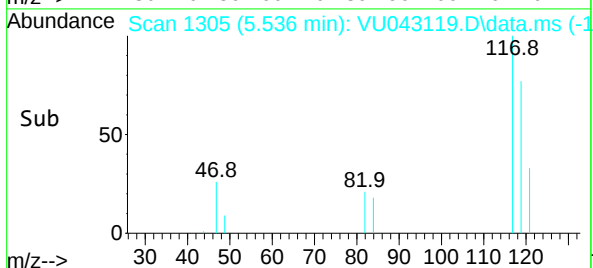
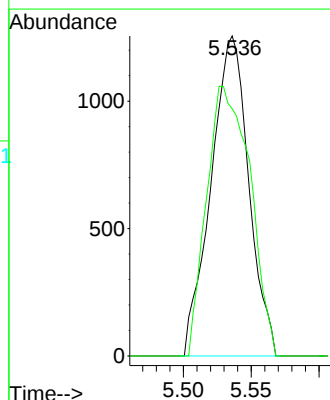
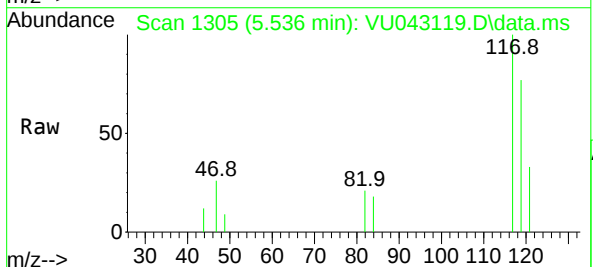
Tgt Ion: 83 Resp: 2659  
Ion Ratio Lower Upper  
83 100  
85 55.7 45.6 84.8

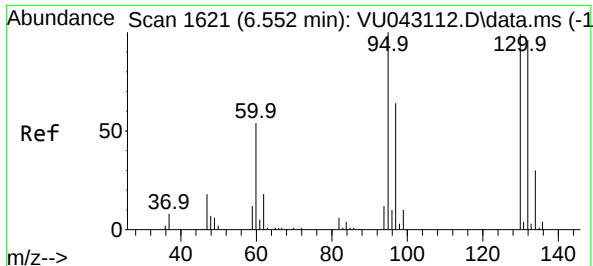


#31

Carbon tetrachloride  
Concen: 0.27 ug/L  
RT: 5.536 min Scan# 1305  
Delta R.T. 0.003 min  
Lab File: VU043119.D  
Acq: 15 Apr 2021 14:32

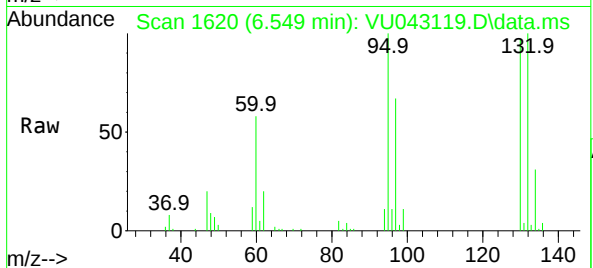
Tgt Ion: 117 Resp: 2431  
Ion Ratio Lower Upper  
117 100  
119 97.0 76.2 114.4



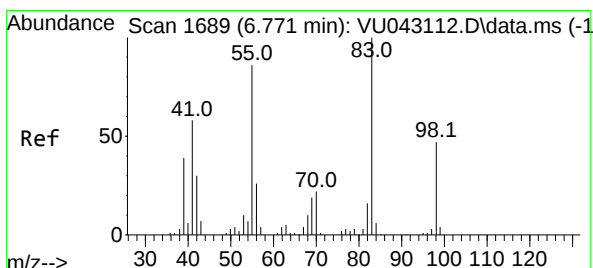
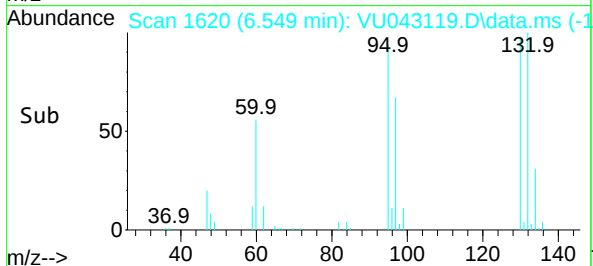
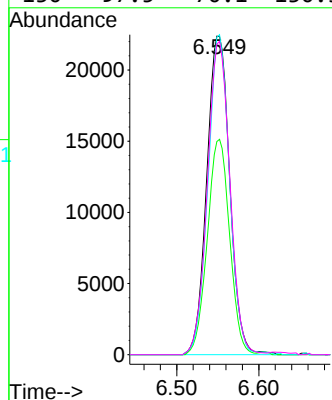


#34  
Trichloroethene  
Concen: 6.85 ug/L  
RT: 6.549 min Scan# 1620  
Delta R.T. -0.003 min  
Lab File: VU043119.D  
Acq: 15 Apr 2021 14:32

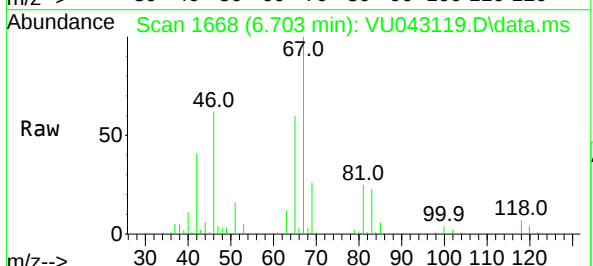
Instrument :  
MSVOA\_U  
ClientSampled :



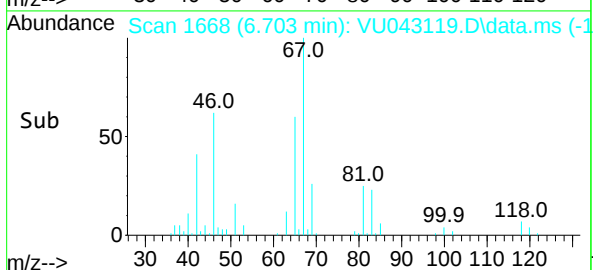
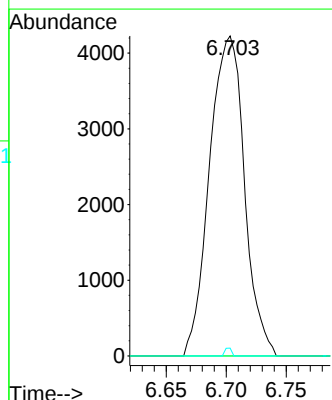
Tgt Ion: 95 Resp: 43549  
Ion Ratio Lower Upper  
95 100  
97 66.9 45.8 85.2  
132 99.6 68.7 127.7  
130 97.5 70.1 130.3

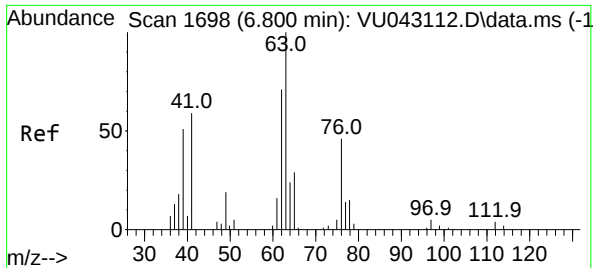


#35  
Methylcyclohexane  
Concen: 0.97 ug/L  
RT: 6.703 min Scan# 1668  
Delta R.T. -0.068 min  
Lab File: VU043119.D  
Acq: 15 Apr 2021 14:32



Tgt Ion: 83 Resp: 8569  
Ion Ratio Lower Upper  
83 100  
55 0.0 59.5 89.3#  
98 1.5 37.9 56.9#

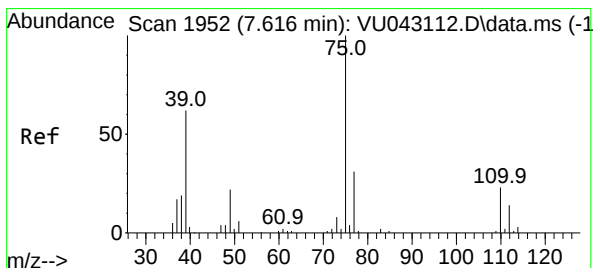
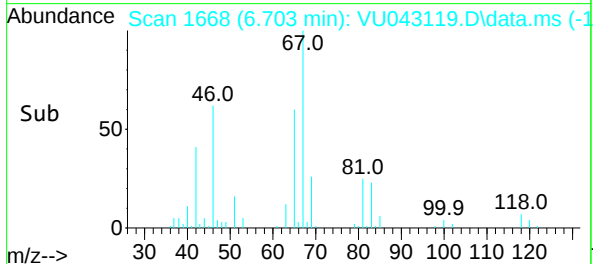
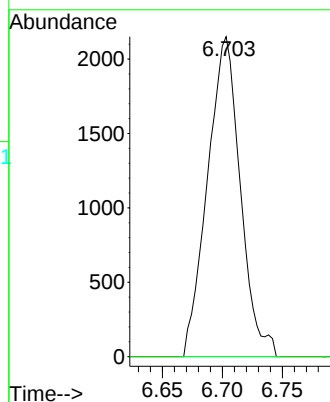
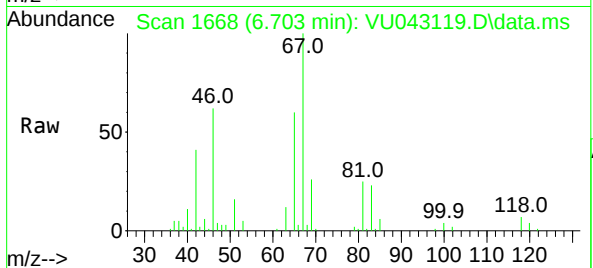




#37  
1,2-Dichloropropane  
Concen: 0.63 ug/L  
RT: 6.703 min Scan# 1668  
Delta R.T. -0.097 min  
Lab File: VU043119.D  
Acq: 15 Apr 2021 14:32

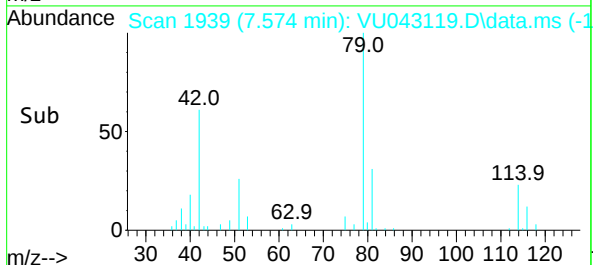
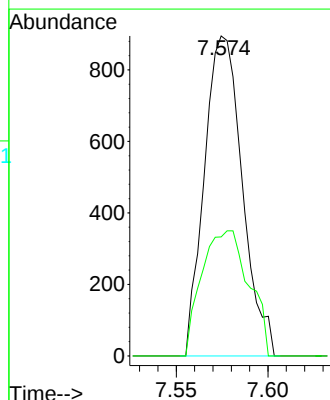
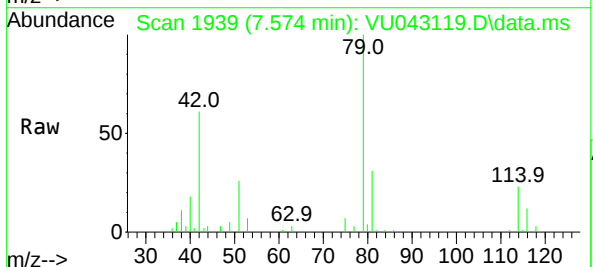
Instrument :  
MSVOA\_U  
ClientSampled :

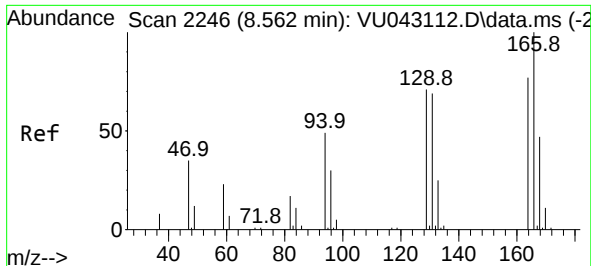
Tgt Ion: 63 Resp: 4089  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#



#39  
cis-1,3-Dichloropropene  
Concen: 0.14 ug/L  
RT: 7.574 min Scan# 1939  
Delta R.T. -0.042 min  
Lab File: VU043119.D  
Acq: 15 Apr 2021 14:32

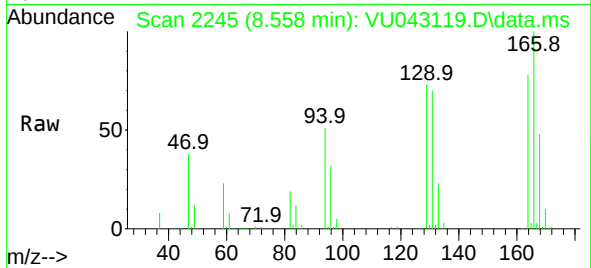
Tgt Ion: 75 Resp: 1287  
Ion Ratio Lower Upper  
75 100  
77 37.2 21.8 40.6



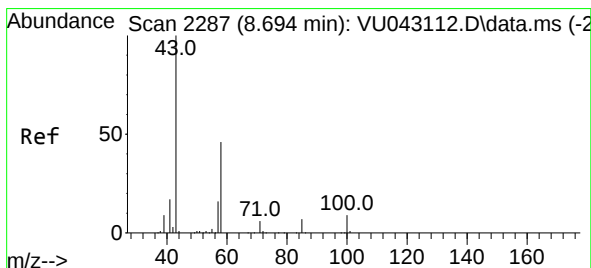
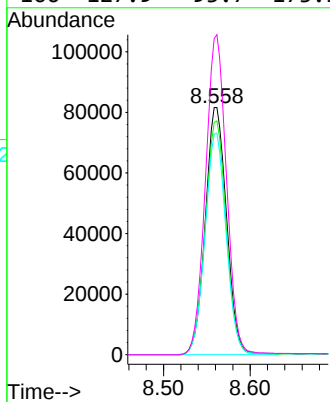
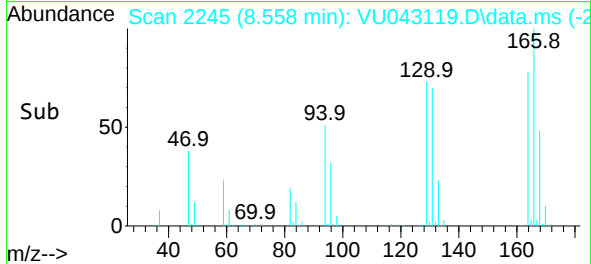


#47  
Tetrachloroethene  
Concen: 27.67 ug/L  
RT: 8.558 min Scan# 2245  
Delta R.T. -0.003 min  
Lab File: VU043119.D  
Acq: 15 Apr 2021 14:32

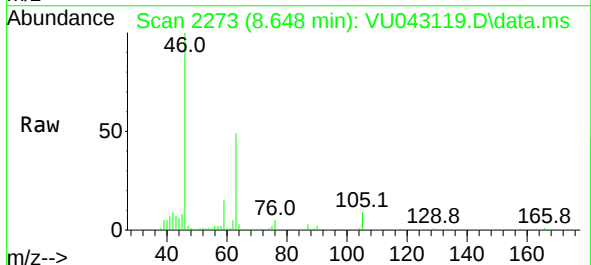
Instrument :  
MSVOA\_U  
ClientSampleId :



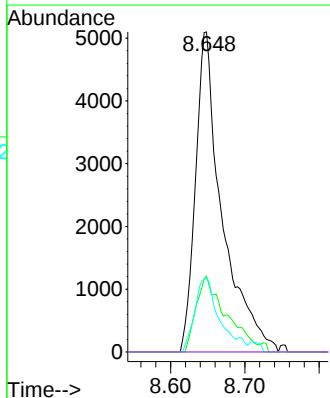
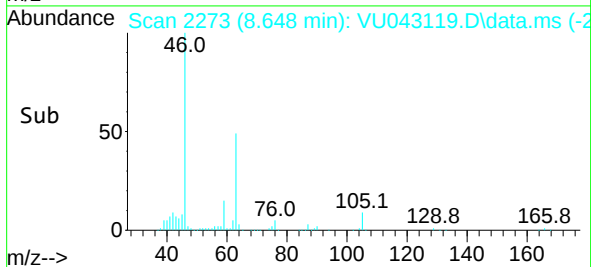
Tgt Ion:164 Resp: 139405  
Ion Ratio Lower Upper  
164 100  
129 93.9 66.6 123.8  
131 89.2 65.9 122.3  
166 127.9 93.7 173.9

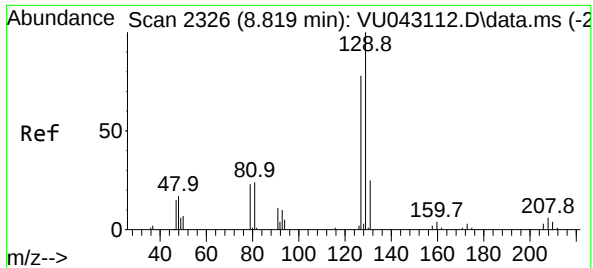


#48  
2-Hexanone  
Concen: 2.97 ug/L  
RT: 8.648 min Scan# 2273  
Delta R.T. -0.045 min  
Lab File: VU043119.D  
Acq: 15 Apr 2021 14:32



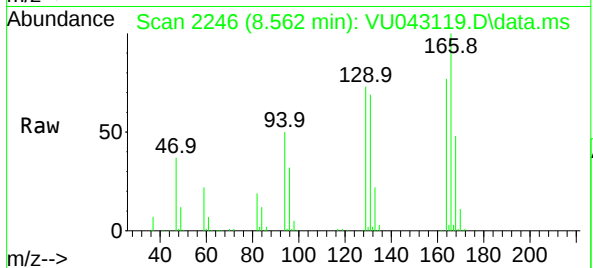
Tgt Ion: 43 Resp: 12683  
Ion Ratio Lower Upper  
43 100  
58 26.8 50.0 75.0#  
57 21.7 17.4 26.0  
100 0.0 11.8 17.8#





#49  
 Dibromochloromethane  
 Concen: 20.99 ug/L  
 RT: 8.562 min Scan# 2246  
 Delta R.T. -0.257 min  
 Lab File: VU043119.D  
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 MSVOA\_U  
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Tgt Ion:129 Resp: 128556  
 Ion Ratio Lower Upper  
 129 100  
 127 0.4 56.6 105.2#

