

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042021\  
 Data File : VU043233.D  
 Acq On : 20 Apr 2021 19:04  
 Operator : SY/MD  
 Sample : M2057-15  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 21 05:03:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 21 04:57:57 2021  
 Response via : Initial Calibration

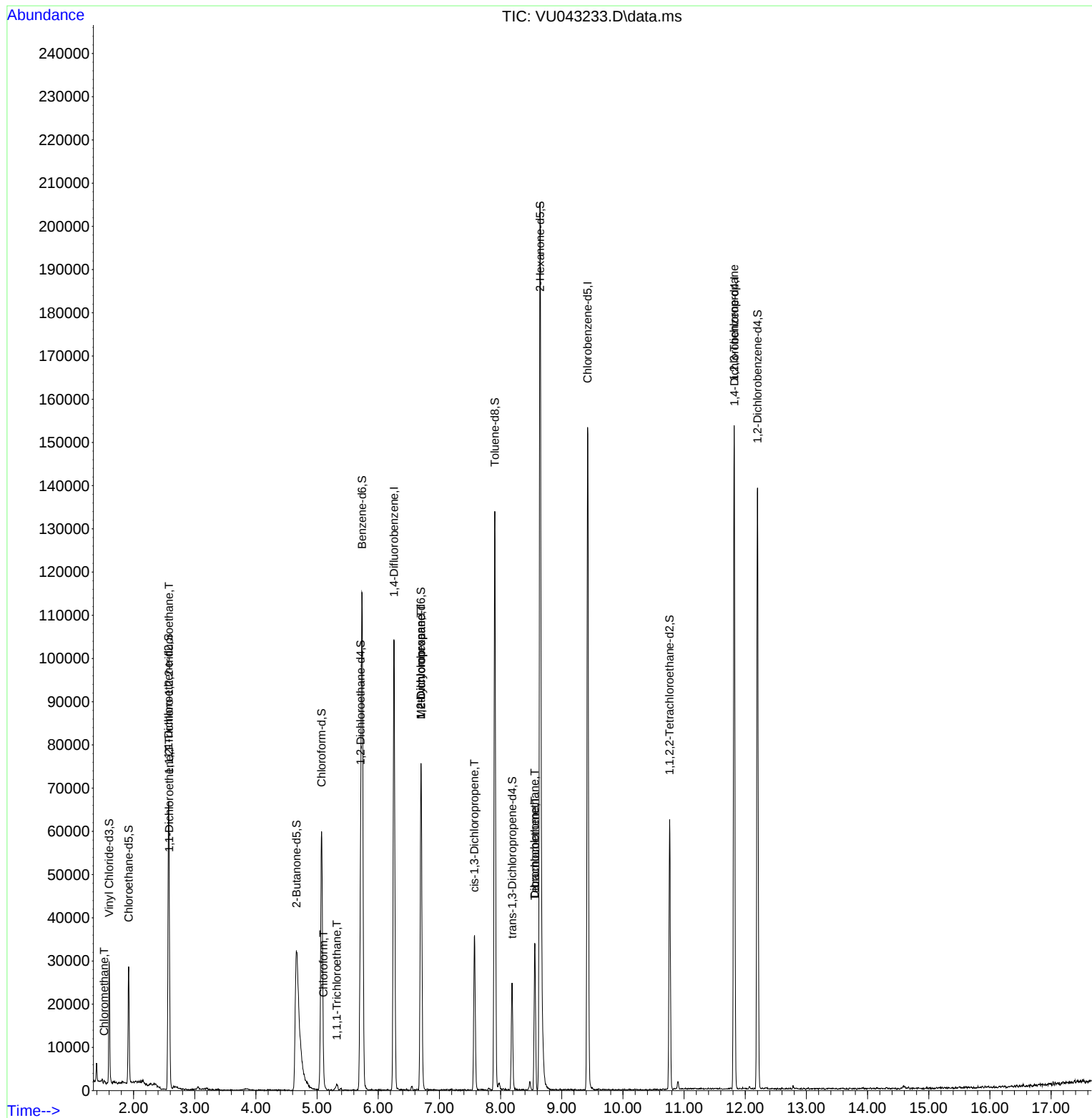
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.260  | 114   | 76548    | 5.00     | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 78048    | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.822 | 152   | 36994    | 5.00     | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 18309    | 4.70     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 94.00%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 16874    | 4.60     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 92.00%   |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 12147    | 5.39     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 107.80%  |
| 20) 2-Butanone-d5             | 4.665  | 46    | 103414   | 60.57    | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 121.14%  |
| 24) Chloroform-d              | 5.073  | 84    | 51975    | 5.25     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.00%  |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 34631    | 5.17     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 103.40%  |
| 32) Benzene-d6                | 5.735  | 84    | 93299    | 5.13     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.60%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 31924    | 5.30     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 106.00%  |
| 41) Toluene-d8                | 7.906  | 98    | 81277    | 4.30     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.00%   |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 12549    | 4.72     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 94.40%   |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 67589    | 50.92    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 101.84%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 28168    | 5.31     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 106.20%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 34345    | 5.42     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 108.40%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.520  | 50    | 560      | 0.12     | ug/L   | 86       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101   | 701      | 0.14     | ug/L # | 33       |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 3041     | 0.71     | ug/L # | 1        |
| 25) Chloroform                | 5.102  | 83    | 1991     | 0.19     | ug/L   | 81       |
| 29) 1,1,1-Trichloroethane     | 5.324  | 97    | 1028     | 0.11     | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.700  | 83    | 7373     | 0.93     | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.700  | 63    | 3708     | 0.63     | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 7.571  | 75    | 978      | 0.11     | ug/L # | 76       |
| 47) Tetrachloroethene         | 8.562  | 164   | 7137     | 1.57     | ug/L   | 94       |
| 49) Dibromochloromethane      | 8.559  | 129   | 6370     | 1.15     | ug/L # | 9        |
| 61) 1,2,3-Trichloropropane    | 11.819 | 75    | 4987     | 1.30     | ug/L # | 60       |
| -----                         |        |       |          |          |        |          |

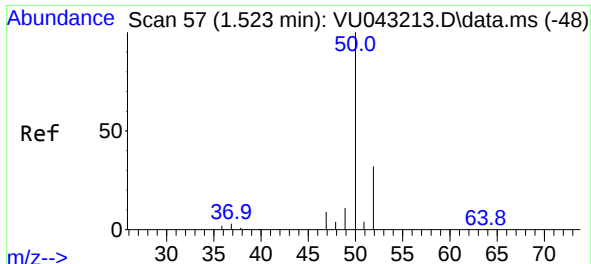
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Apr 21 05:03:16 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Apr 21 04:57:57 2021  
Response via : Initial Calibration

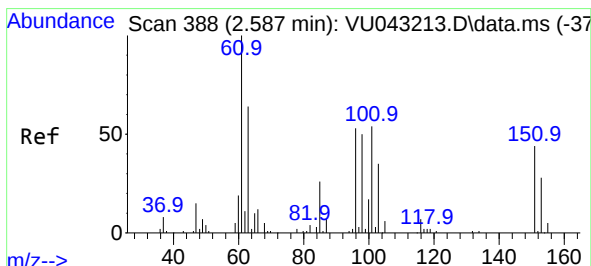
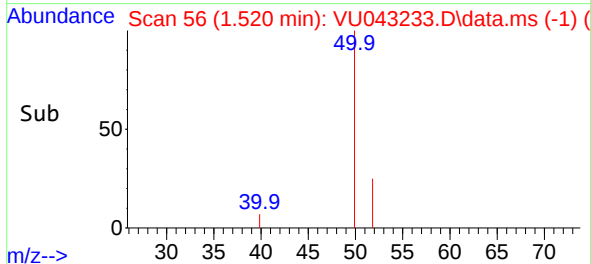
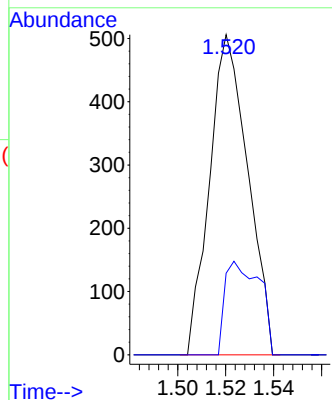
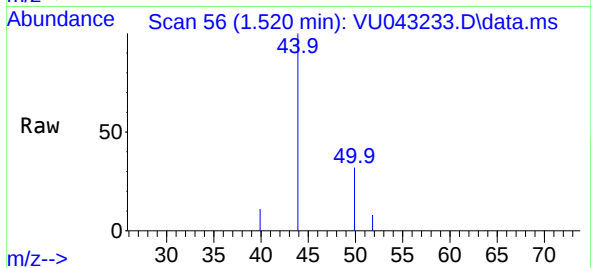




#3  
Chloromethane  
Concen: 0.12 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. -0.003 min  
Lab File: VU043233.D  
Acq: 20 Apr 2021 19:04

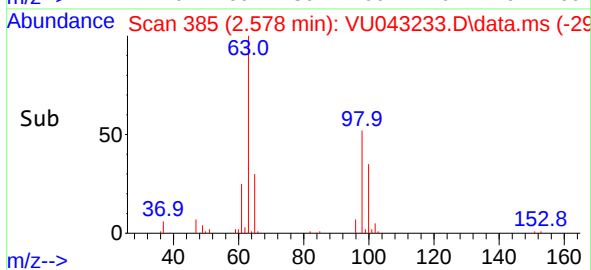
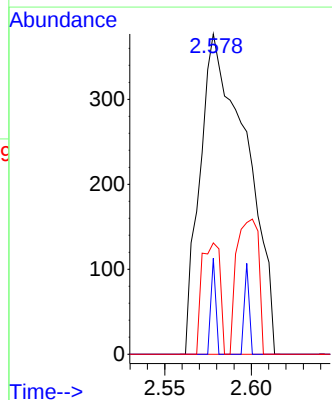
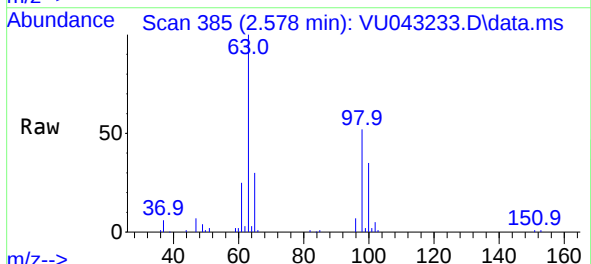
Instrument :  
MSVOA\_U  
ClientSampled :

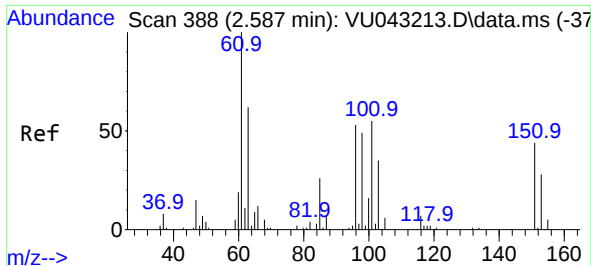
Tgt Ion: 50 Resp: 560  
Ion Ratio Lower Upper  
50 100  
52 25.5 23.6 43.8



#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.14 ug/L  
RT: 2.578 min Scan# 385  
Delta R.T. -0.009 min  
Lab File: VU043233.D  
Acq: 20 Apr 2021 19:04

Tgt Ion: 101 Resp: 701  
Ion Ratio Lower Upper  
101 100  
85 3.1 34.5 51.7#  
151 13.6 57.4 86.2#





#12

1,1-Dichloroethene

Concen: 0.71 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU043233.D

Acq: 20 Apr 2021 19:04

Tgt Ion: 96 Resp: 3041

Ion Ratio Lower Upper

96 100

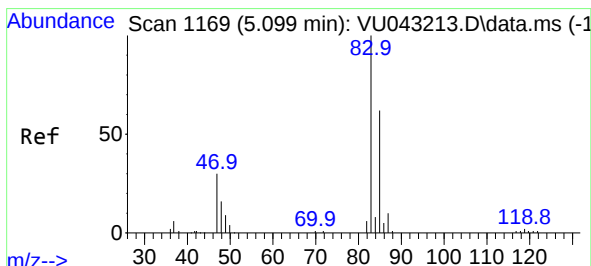
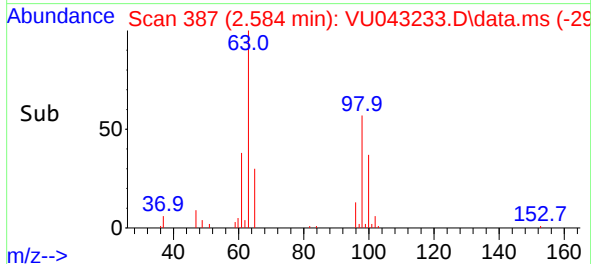
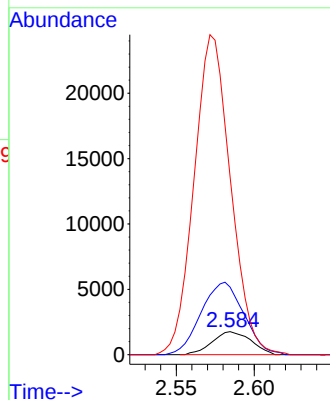
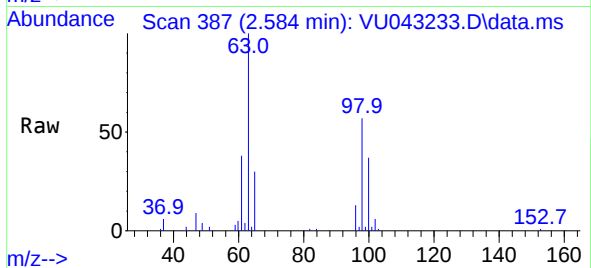
61 292.7 115.1 213.7#

63 771.0 84.1 156.1#

Instrument :

MSVOA\_U

ClientSampled :



#25

Chloroform

Concen: 0.19 ug/L

RT: 5.102 min Scan# 1170

Delta R.T. 0.003 min

Lab File: VU043233.D

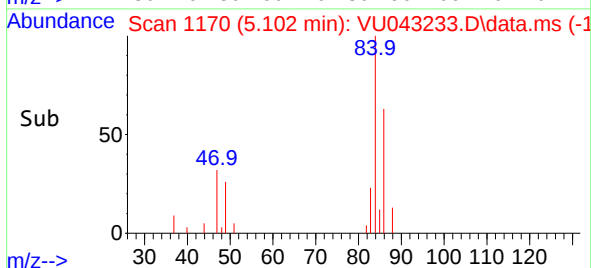
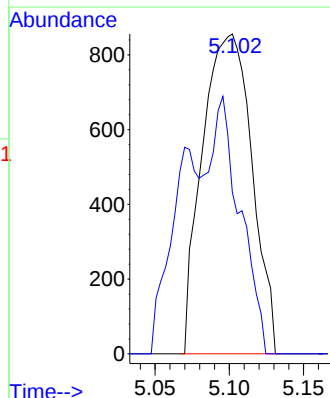
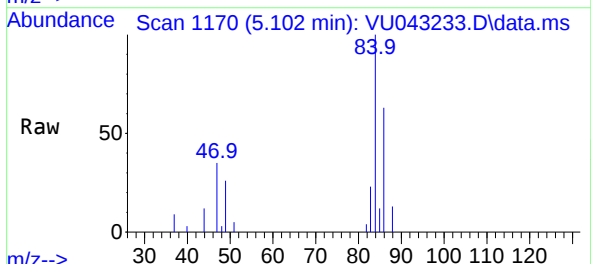
Acq: 20 Apr 2021 19:04

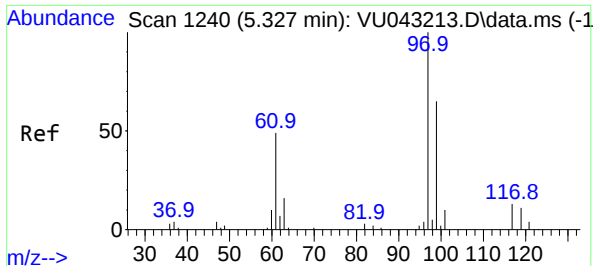
Tgt Ion: 83 Resp: 1991

Ion Ratio Lower Upper

83 100

85 50.5 45.6 84.8

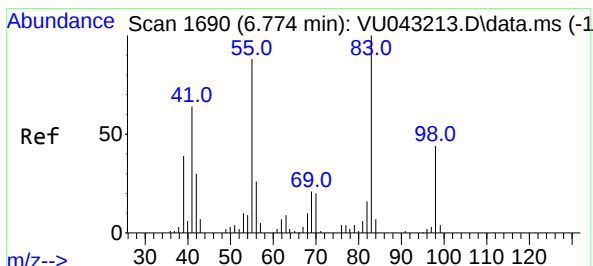
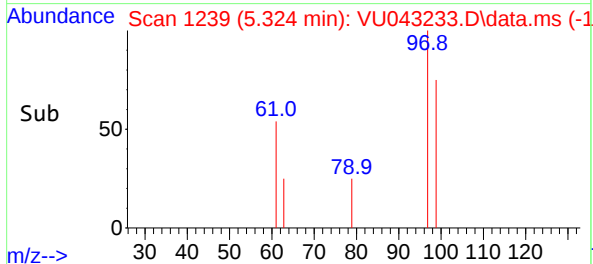
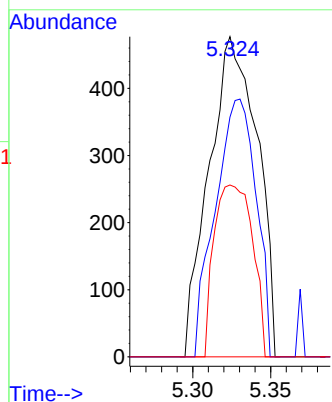
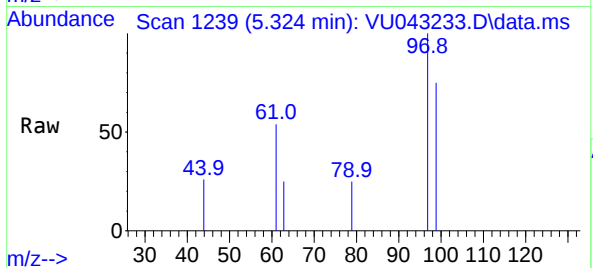




#29  
1,1,1-Trichloroethane  
Concen: 0.11 ug/L  
RT: 5.324 min Scan# 1239  
Delta R.T. -0.003 min  
Lab File: VU043233.D  
Acq: 20 Apr 2021 19:04

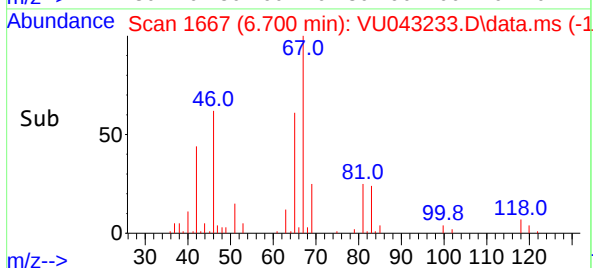
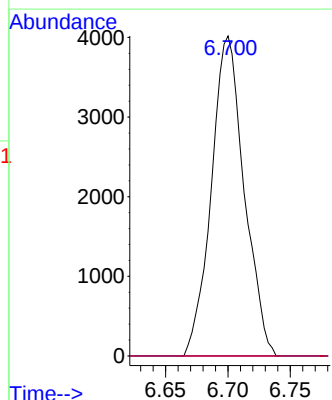
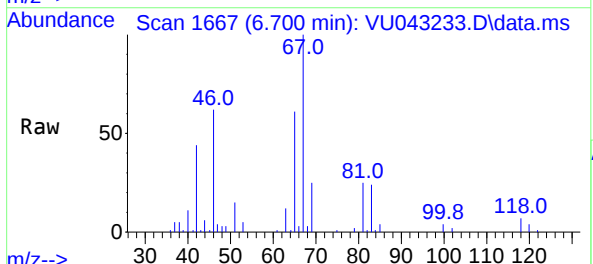
Instrument :  
MSVOA\_U  
ClientSampled :

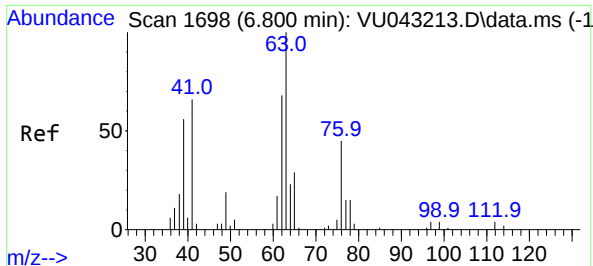
Tgt Ion: 97 Resp: 1028  
Ion Ratio Lower Upper  
97 100  
99 68.1 50.3 75.5  
61 42.6 32.7 49.1



#35  
Methylcyclohexane  
Concen: 0.93 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.074 min  
Lab File: VU043233.D  
Acq: 20 Apr 2021 19:04

Tgt Ion: 83 Resp: 7373  
Ion Ratio Lower Upper  
83 100  
55 0.0 59.5 89.3#  
98 0.0 37.9 56.9#

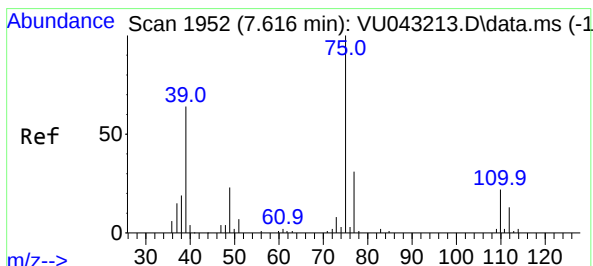
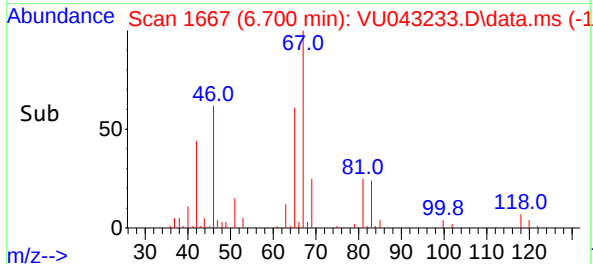
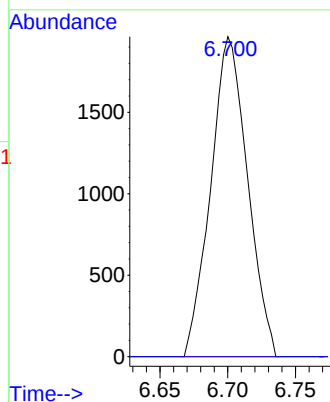
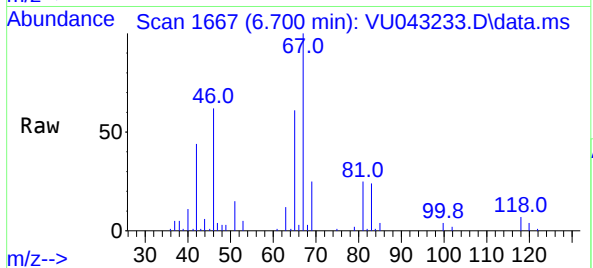




#37  
1,2-Dichloropropane  
Concen: 0.63 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.099 min  
Lab File: VU043233.D  
Acq: 20 Apr 2021 19:04

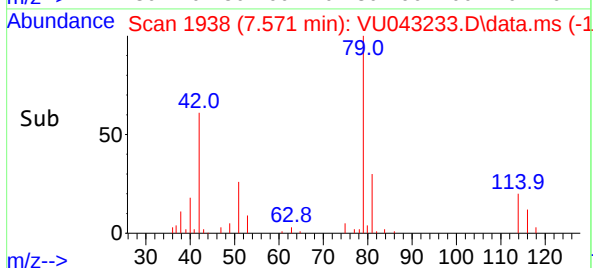
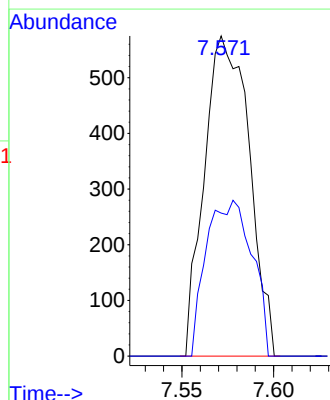
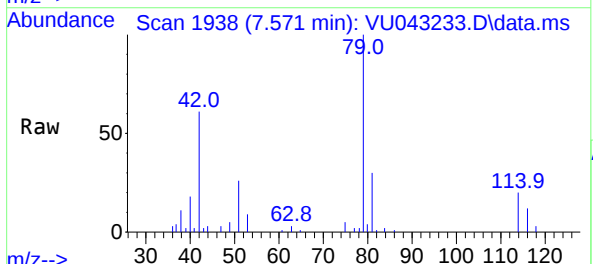
Instrument :  
MSVOA\_U  
ClientSampled :

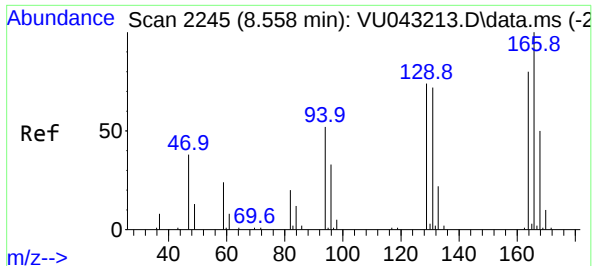
Tgt Ion: 63 Resp: 3708  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#



#39  
cis-1,3-Dichloropropene  
Concen: 0.11 ug/L  
RT: 7.571 min Scan# 1938  
Delta R.T. -0.045 min  
Lab File: VU043233.D  
Acq: 20 Apr 2021 19:04

Tgt Ion: 75 Resp: 978  
Ion Ratio Lower Upper  
75 100  
77 44.7 21.8 40.6#





#47

Tetrachloroethene

Concen: 1.57 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. 0.003 min

Lab File: VU043233.D

Acq: 20 Apr 2021 19:04

Tgt Ion:164 Resp: 7137

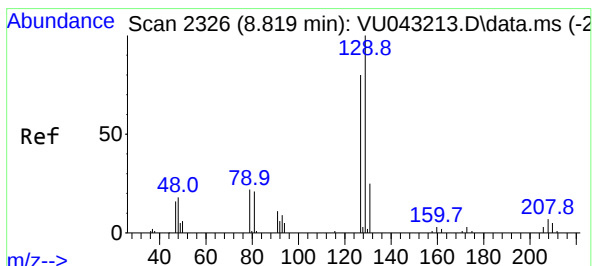
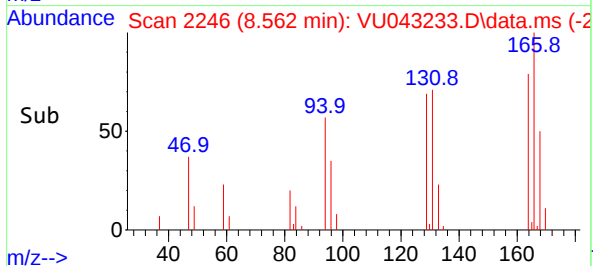
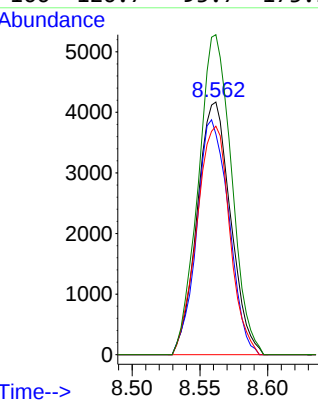
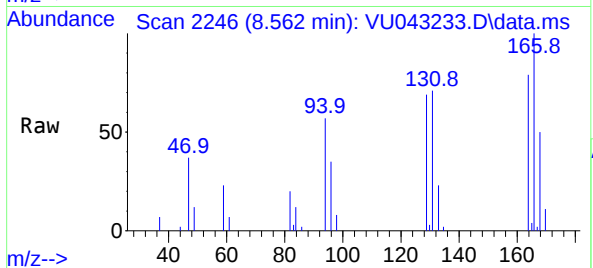
Ion Ratio Lower Upper

164 100

129 87.4 66.6 123.8

131 90.5 65.9 122.3

166 126.7 93.7 173.9



#49

Dibromochloromethane

Concen: 1.15 ug/L

RT: 8.559 min Scan# 2245

Delta R.T. -0.260 min

Lab File: VU043233.D

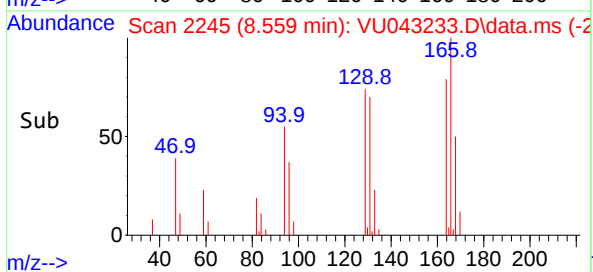
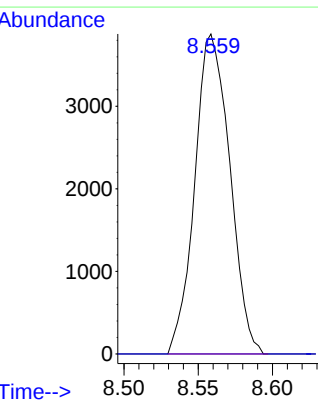
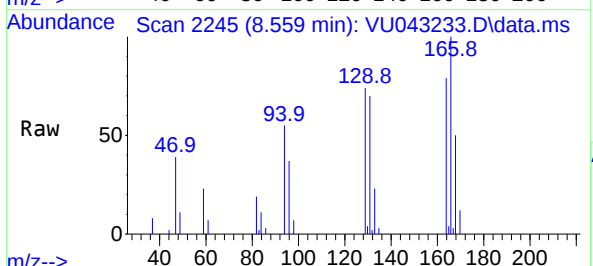
Acq: 20 Apr 2021 19:04

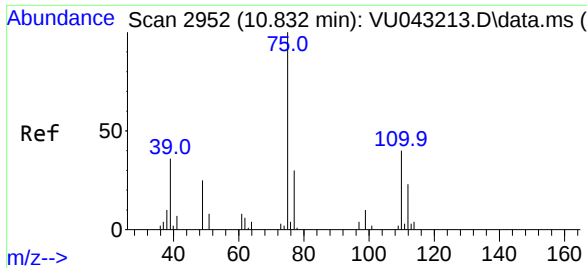
Tgt Ion:129 Resp: 6370

Ion Ratio Lower Upper

129 100

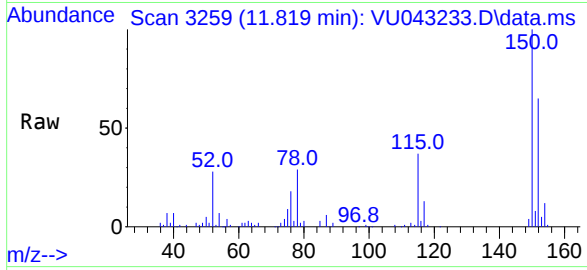
127 0.0 56.6 105.2#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.30 ug/L  
 RT: 11.819 min Scan# 3259  
 Delta R.T. 0.987 min  
 Lab File: VU043233.D  
 Acq: 20 Apr 2021 19:04

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 4987  
 Ion Ratio Lower Upper  
 75 100  
 110 1.5 31.5 47.3#  
 77 41.2 26.3 39.5#

