

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042021\  
 Data File : VU043224.D  
 Acq On : 20 Apr 2021 15:28  
 Operator : SY/MD  
 Sample : M2057-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 21 05:01:25 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   | 82848    | 5.00     | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 9.427  | 117   | 84588    | 5.00     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 41190    | 5.00     | ug/L  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 17997    | 4.27     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 85.40%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 16916    | 4.26     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 85.20%   |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 11239    | 4.61     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 92.20%   |
| 20) 2-Butanone-d5             | 4.652  | 46    | 100305   | 54.28    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 108.56%  |
| 24) Chloroform-d              | 5.073  | 84    | 51877    | 4.84     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 96.80%   |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 34707    | 4.79     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 95.80%   |
| 32) Benzene-d6                | 5.735  | 84    | 92481    | 4.70     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 94.00%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 32023    | 4.90     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 98.00%   |
| 41) Toluene-d8                | 7.906  | 98    | 81754    | 3.99     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 79.80%   |
| 43) trans-1,3-Dichloroprop... | 8.186  | 79    | 12341    | 4.28     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 85.60%   |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 65336    | 45.42    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 90.84%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 27347    | 4.76     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 95.20%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 34649    | 4.91     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 98.20%   |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.395  | 85    | 7010     | 1.32     | ug/L  | 99       |
| 3) Chloromethane              | 1.395  | 50    | 26315    | 5.04     | ug/L  | # 73     |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 1461     | 0.14     | ug/L  | 87       |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 411      | 0.09     | ug/L  | # 1      |
| 17) Methyl tert-butyl Ether   | 3.375  | 73    | 1025     | 0.07     | ug/L  | # 86     |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 700      | 0.14     | ug/L  | 94       |
| 22) cis-1,2-Dichloroethene    | 4.681  | 96    | 2534     | 0.44     | ug/L  | 88       |
| 25) Chloroform                | 5.099  | 83    | 4155     | 0.36     | ug/L  | 89       |
| 34) Trichloroethene           | 6.552  | 95    | 12292    | 1.97     | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.703  | 83    | 7593     | 0.88     | ug/L  | # 23     |
| 37) 1,2-Dichloropropane       | 6.700  | 63    | 4195     | 0.66     | ug/L  | # 87     |
| 39) cis-1,3-Dichloropropene   | 7.575  | 75    | 965      | 0.10     | ug/L  | # 77     |
| 45) 1,1,2-Trichloroethane     | 8.559  | 97    | 583      | 0.12     | ug/L  | # 1      |
| 47) Tetrachloroethene         | 8.559  | 164   | 70263    | 14.23    | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.562  | 129   | 63750    | 10.62    | ug/L  | # 9      |
| 61) 1,2,3-Trichloropropane    | 11.819 | 75    | 5254     | 1.23     | ug/L  | # 58     |
| -----                         |        |       |          |          |       |          |

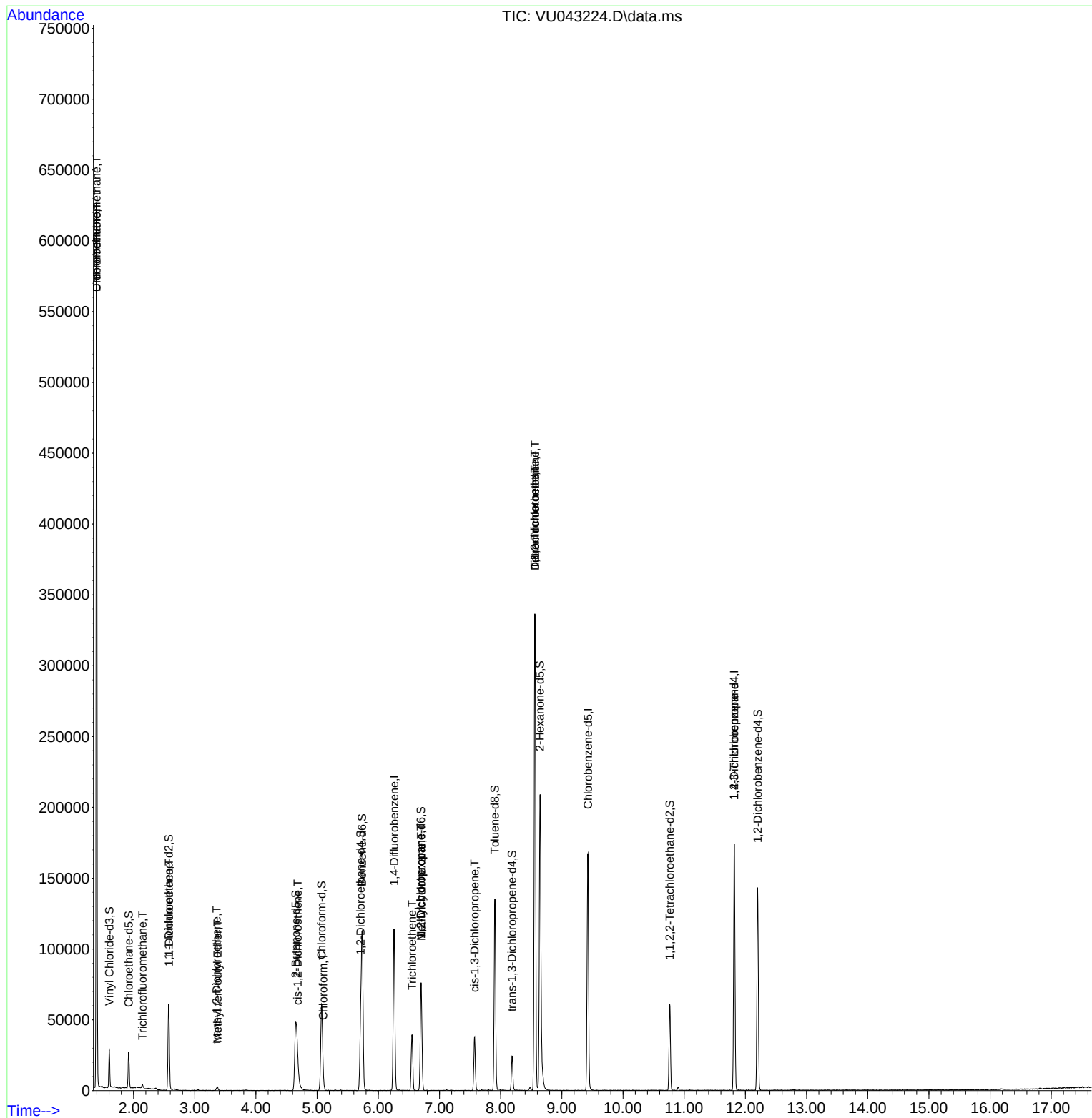
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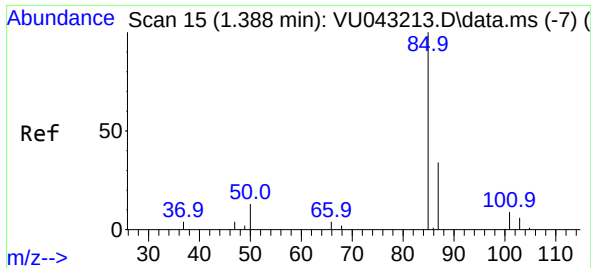
Instrument :  
MSVOA\_U  
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042021\  
Data File : VU043224.D  
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Sample : M2057-06  
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ALS Vial : 14 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :

Quant Time: Apr 21 05:01:25 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

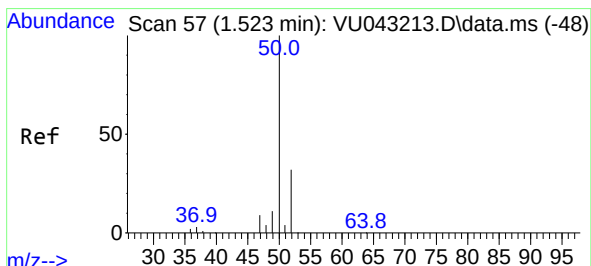
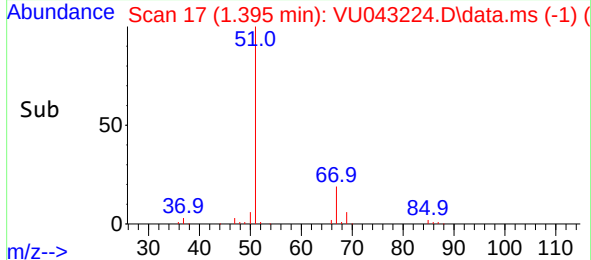
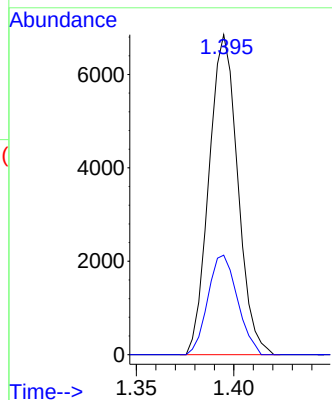
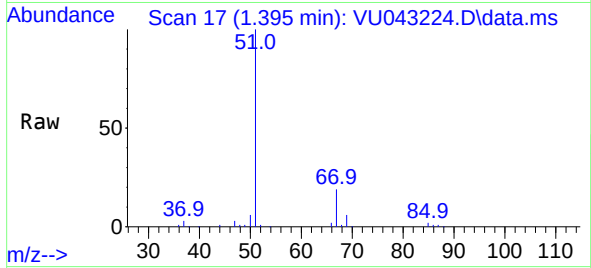




#2  
Dichlorodifluoromethane  
Concen: 1.32 ug/L  
RT: 1.395 min Scan# 17  
Delta R.T. 0.007 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

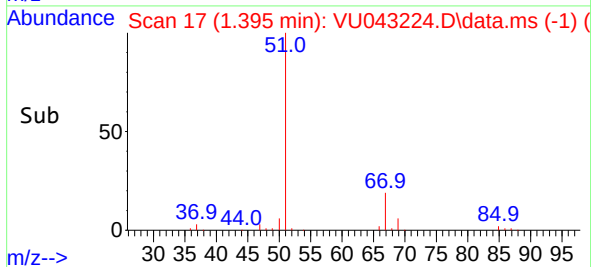
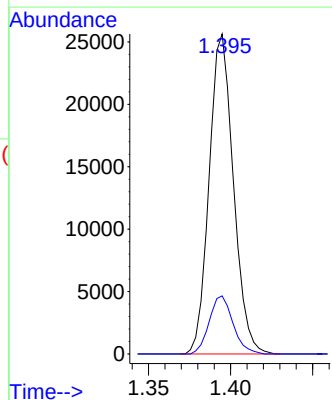
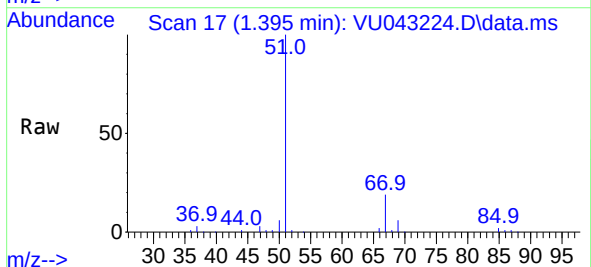
Instrument :  
MSVOA\_U  
ClientSampled :

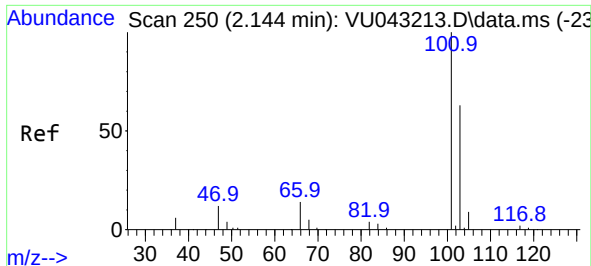
Tgt Ion: 85 Resp: 7010  
Ion Ratio Lower Upper  
85 100  
87 32.1 26.3 39.5



#3  
Chloromethane  
Concen: 5.04 ug/L  
RT: 1.395 min Scan# 17  
Delta R.T. -0.128 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

Tgt Ion: 50 Resp: 26315  
Ion Ratio Lower Upper  
50 100  
52 18.1 23.6 43.8#

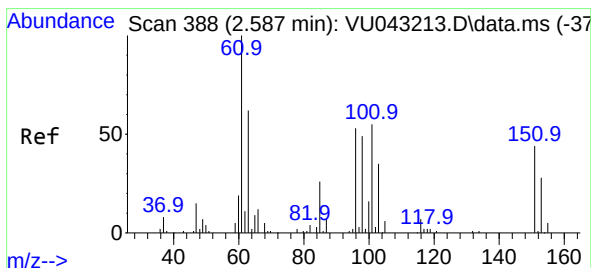
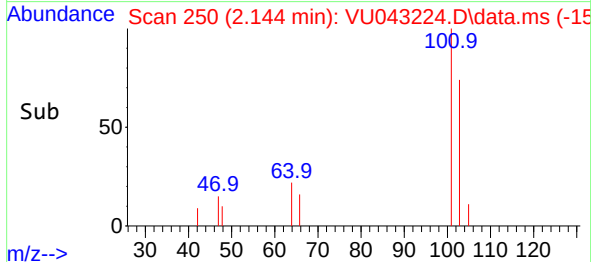
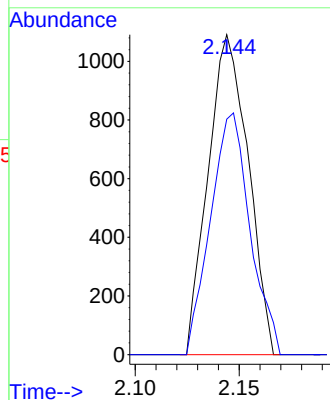
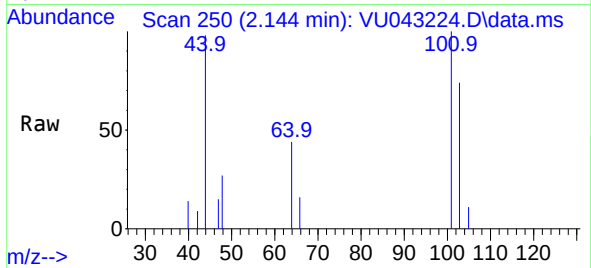




#9  
 Trichlorofluoromethane  
 Concen: 0.14 ug/L  
 RT: 2.144 min Scan# 250  
 Delta R.T. 0.000 min  
 Lab File: VU043224.D  
 Acq: 20 Apr 2021 15:28

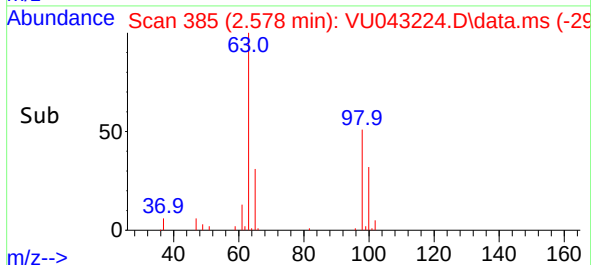
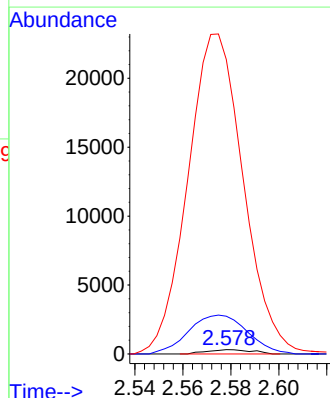
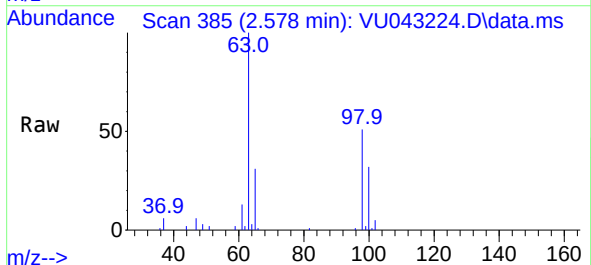
Instrument :  
 MSVOA\_U  
 ClientSampled :

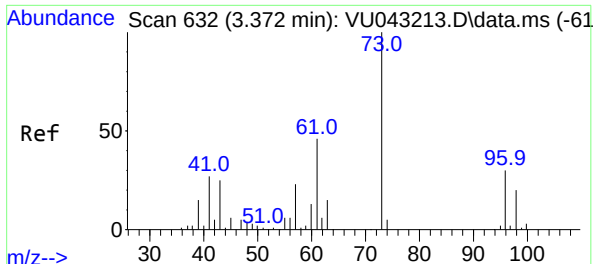
Tgt Ion:101 Resp: 1461  
 Ion Ratio Lower Upper  
 101 100  
 103 74.6 51.5 77.3



#12  
 1,1-Dichloroethene  
 Concen: 0.09 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.009 min  
 Lab File: VU043224.D  
 Acq: 20 Apr 2021 15:28

Tgt Ion: 96 Resp: 411  
 Ion Ratio Lower Upper  
 96 100  
 61 865.0 115.1 213.7#  
 63 6743.2 84.1 156.1#



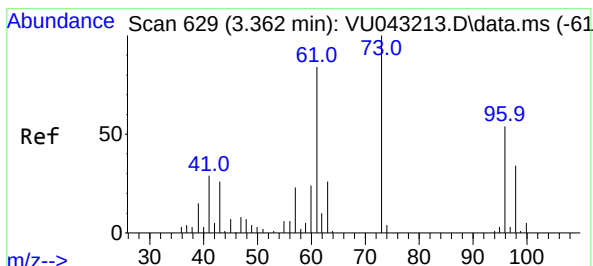
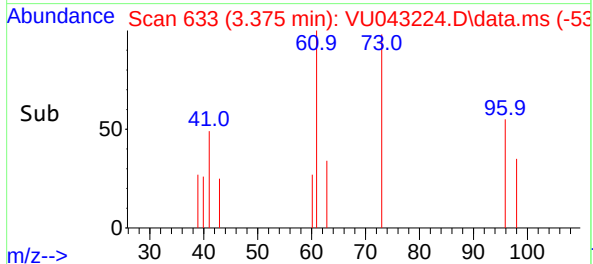
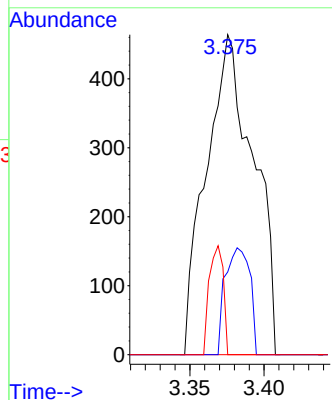
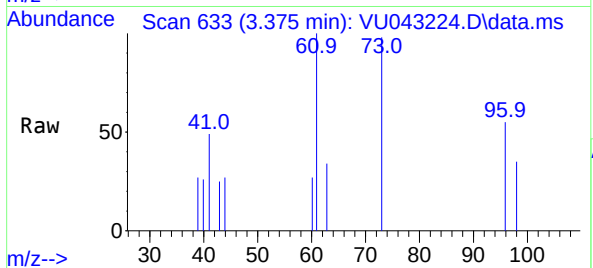


#17

Methyl tert-butyl Ether  
Concen: 0.07 ug/L  
RT: 3.375 min Scan# 633  
Delta R.T. 0.003 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

Instrument :  
MSVOA\_U  
ClientSampleId :

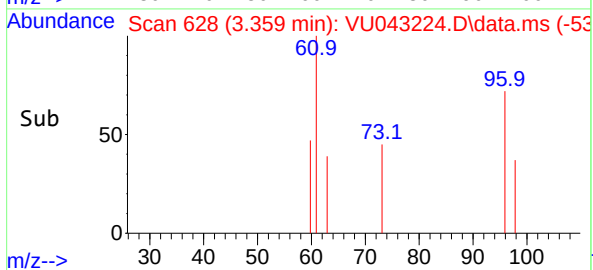
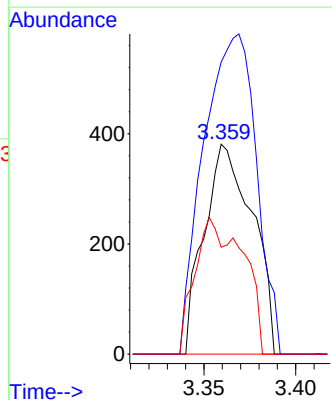
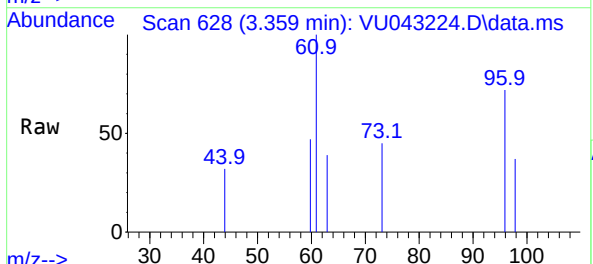
|             |                 |
|-------------|-----------------|
| Tgt Ion: 73 | Resp: 1025      |
| Ion Ratio   | Lower Upper     |
| 73          | 100             |
| 43          | 17.4 15.0 22.4  |
| 57          | 10.0 17.3 25.9# |

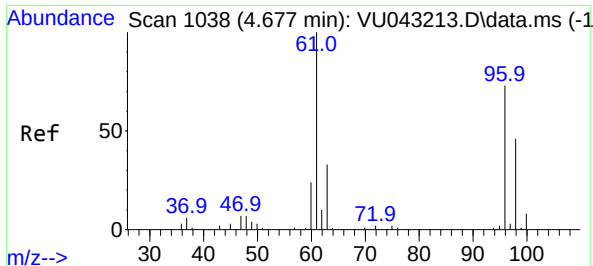


#18

trans-1,2-Dichloroethene  
Concen: 0.14 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. -0.003 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

|             |                  |
|-------------|------------------|
| Tgt Ion: 96 | Resp: 700        |
| Ion Ratio   | Lower Upper      |
| 96          | 100              |
| 61          | 139.1 96.6 179.4 |
| 98          | 50.9 44.7 82.9   |



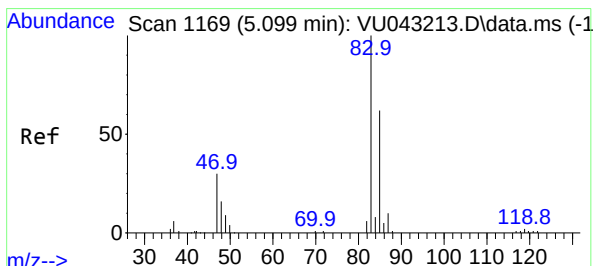
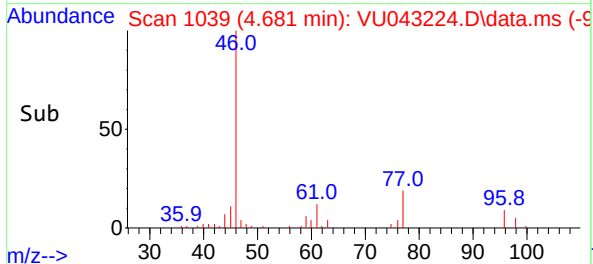
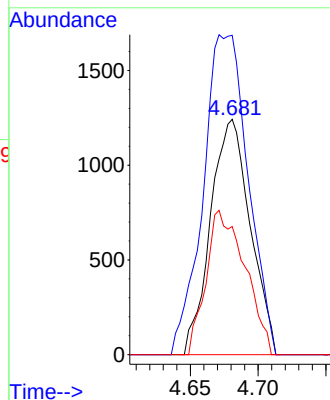
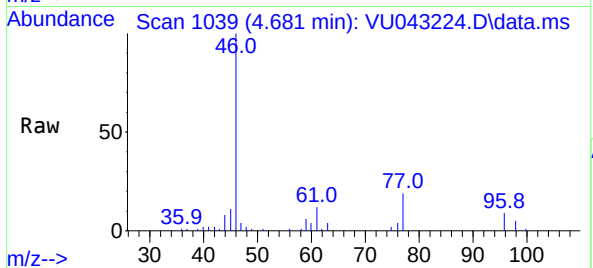


#22

cis-1,2-Dichloroethene  
Concen: 0.44 ug/L  
RT: 4.681 min Scan# 1039  
Delta R.T. 0.003 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

Instrument :  
MSVOA\_U  
ClientSampled :

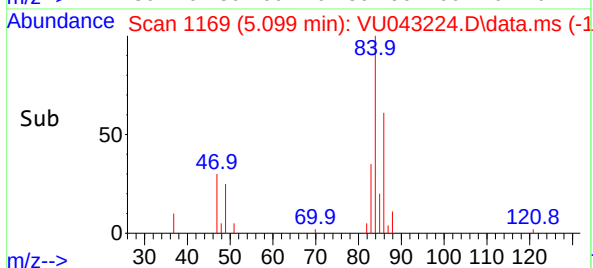
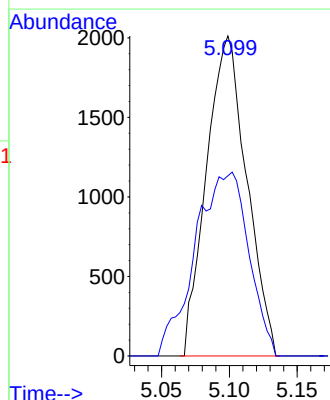
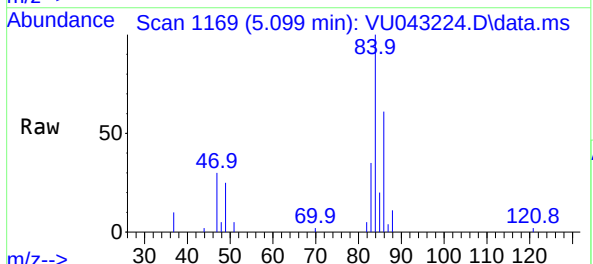
Tgt Ion: 96 Resp: 2534  
Ion Ratio Lower Upper  
96 100  
61 135.7 87.4 162.4  
98 54.4 47.7 88.5

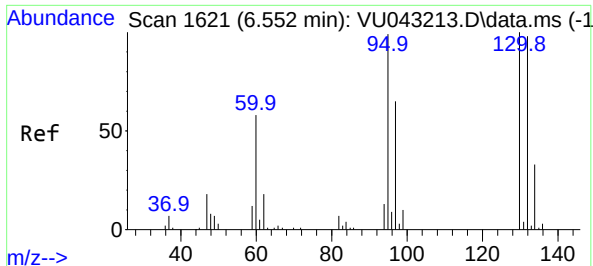


#25

Chloroform  
Concen: 0.36 ug/L  
RT: 5.099 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

Tgt Ion: 83 Resp: 4155  
Ion Ratio Lower Upper  
83 100  
85 56.3 45.6 84.8



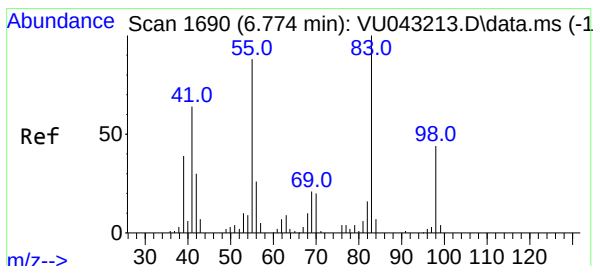
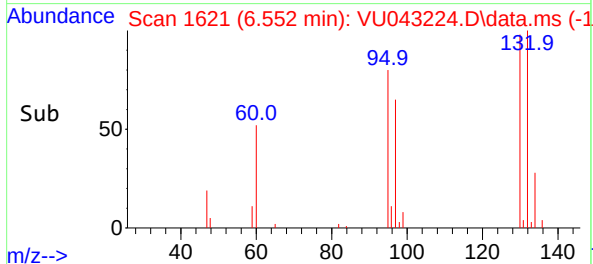
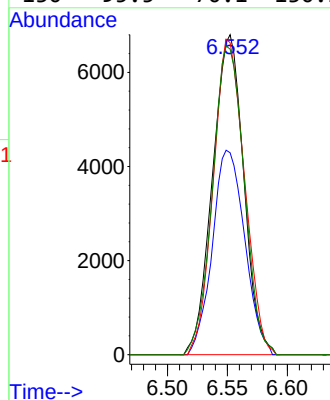
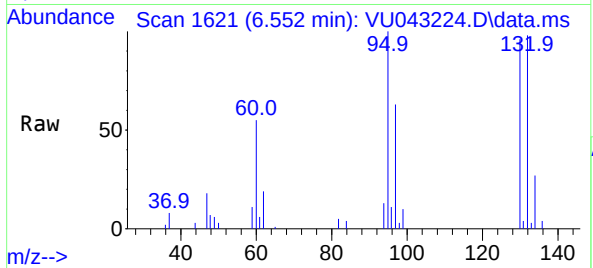


#34  
Trichloroethene  
Concen: 1.97 ug/L  
RT: 6.552 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

Instrument :  
MSVOA\_U  
ClientSampled :

Tgt Ion: 95 Resp: 12292

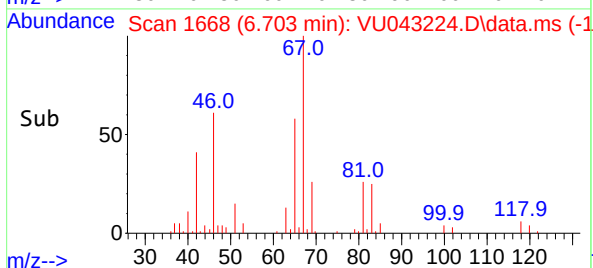
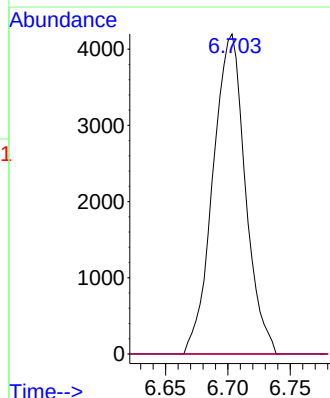
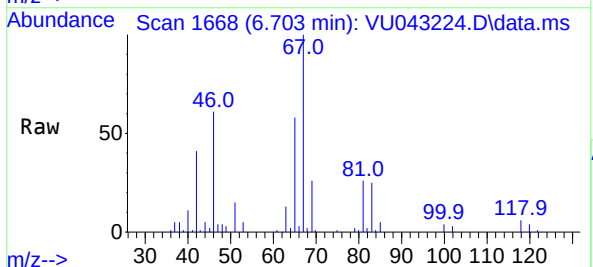
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.1  | 45.8  | 85.2  |
| 132 | 97.5  | 68.7  | 127.7 |
| 130 | 95.5  | 70.1  | 130.3 |



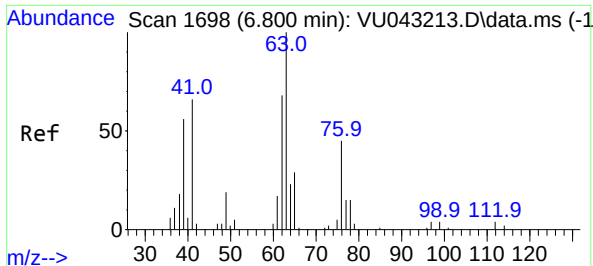
#35  
Methylcyclohexane  
Concen: 0.88 ug/L  
RT: 6.703 min Scan# 1668  
Delta R.T. -0.071 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

Tgt Ion: 83 Resp: 7593

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 59.5  | 89.3# |
| 98  | 6.3   | 37.9  | 56.9# |



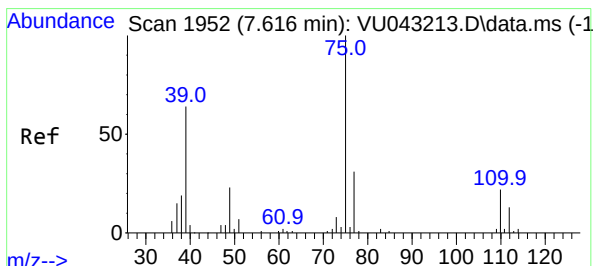
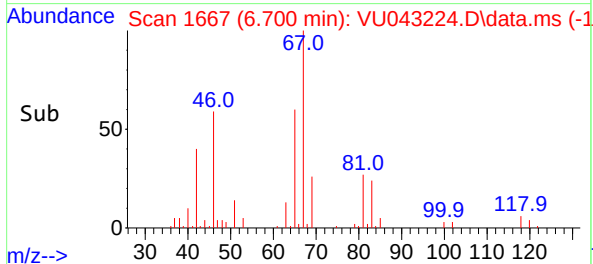
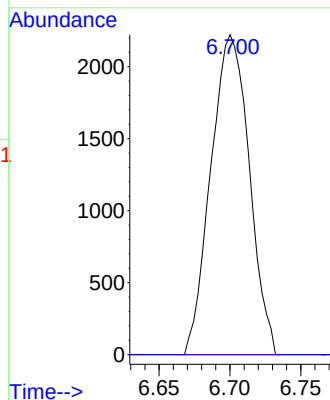
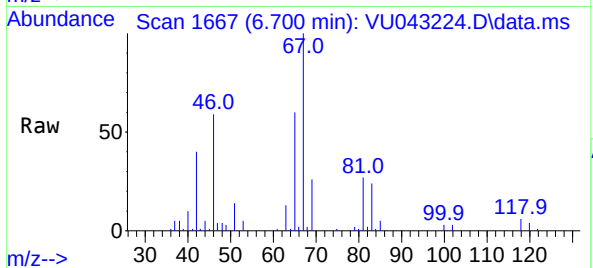




#37  
1,2-Dichloropropane  
Concen: 0.66 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.099 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

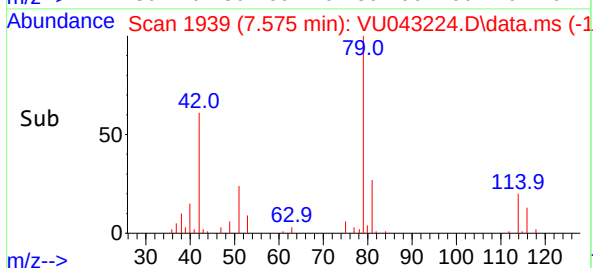
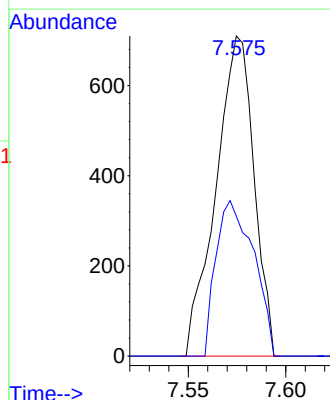
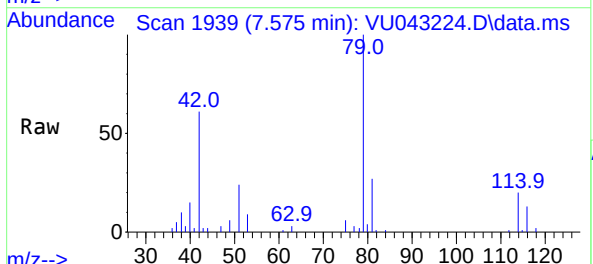
Instrument :  
MSVOA\_U  
ClientSampled :

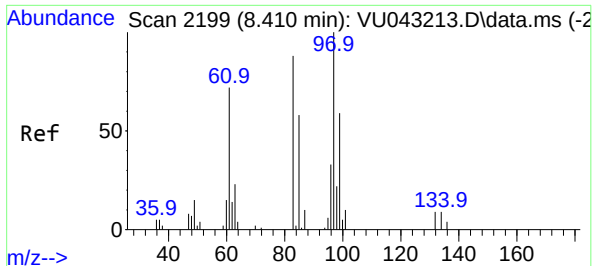
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Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#



#39  
cis-1,3-Dichloropropene  
Concen: 0.10 ug/L  
RT: 7.575 min Scan# 1939  
Delta R.T. -0.042 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

Tgt Ion: 75 Resp: 965  
Ion Ratio Lower Upper  
75 100  
77 43.7 21.8 40.6#

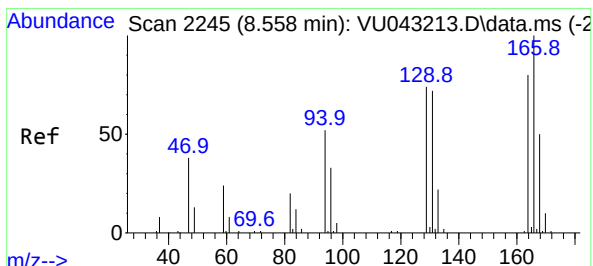
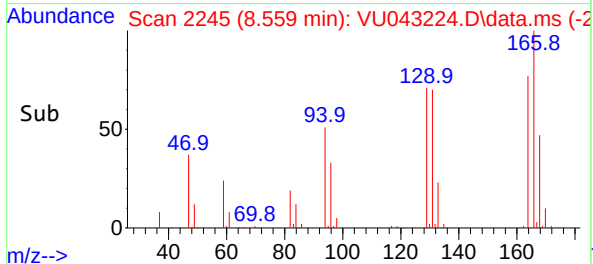
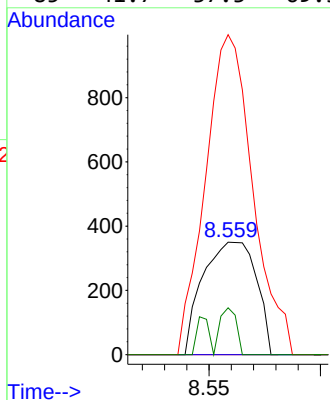
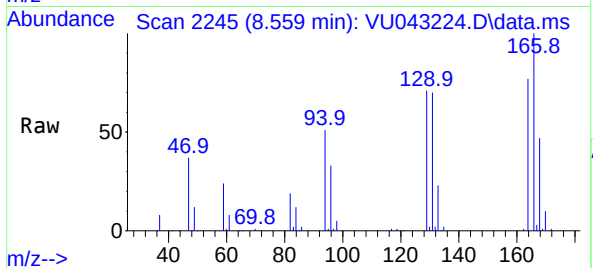




#45  
1,1,2-Trichloroethane  
Concen: 0.12 ug/L  
RT: 8.559 min Scan# 2245  
Delta R.T. 0.148 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

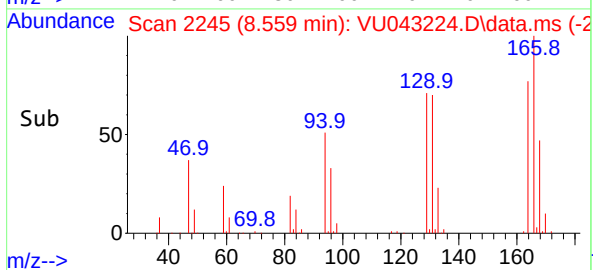
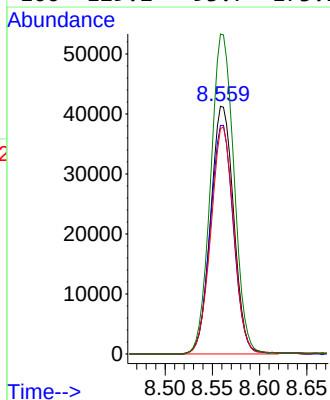
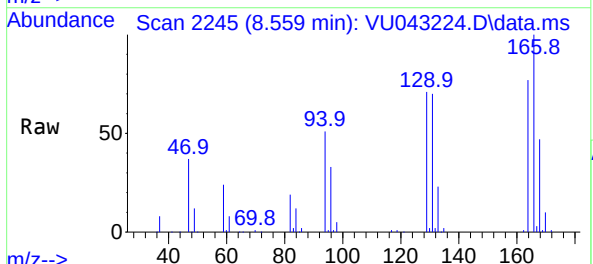
Instrument :  
MSVOA\_U  
ClientSampled :

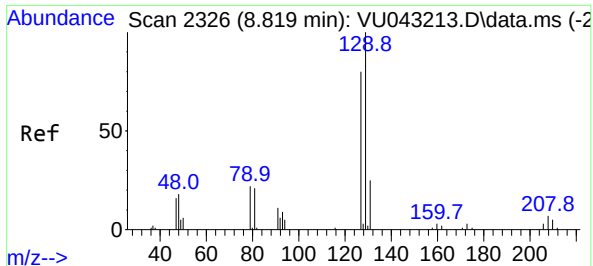
Tgt Ion: 97 Resp: 583  
Ion Ratio Lower Upper  
97 100  
99 0.0 44.2 82.0#  
83 284.6 60.1 111.7#  
85 41.7 37.3 69.3



#47  
Tetrachloroethene  
Concen: 14.23 ug/L  
RT: 8.559 min Scan# 2245  
Delta R.T. 0.000 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

Tgt Ion:164 Resp: 70263  
Ion Ratio Lower Upper  
164 100  
129 92.2 66.6 123.8  
131 90.9 65.9 122.3  
166 129.2 93.7 173.9

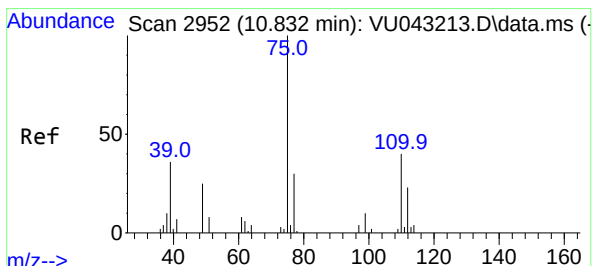
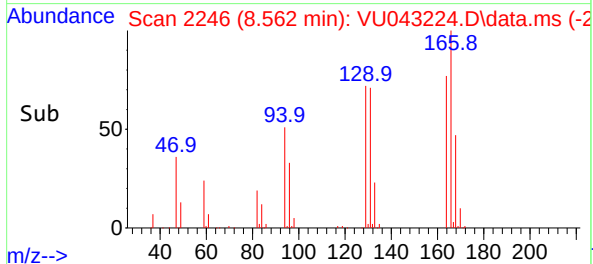
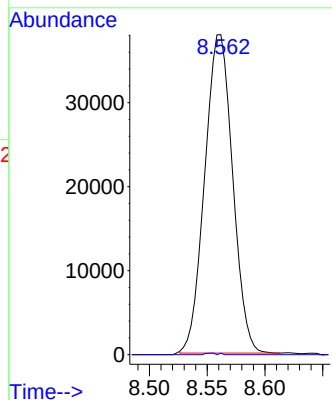
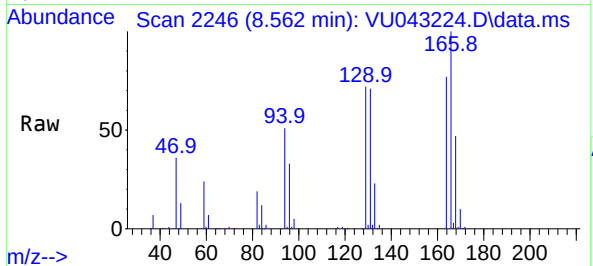




#49  
Dibromochloromethane  
Concen: 10.62 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. -0.257 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:129 Resp: 63750  
Ion Ratio Lower Upper  
129 100  
127 0.5 56.6 105.2#



#61  
1,2,3-Trichloropropane  
Concen: 1.23 ug/L  
RT: 11.819 min Scan# 3259  
Delta R.T. 0.987 min  
Lab File: VU043224.D  
Acq: 20 Apr 2021 15:28

Tgt Ion: 75 Resp: 5254  
Ion Ratio Lower Upper  
75 100  
110 0.0 31.5 47.3#  
77 41.5 26.3 39.5#

