

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012221\  
 Data File : VU042169.D  
 Acq On : 22 Jan 2021 14:57  
 Operator : SY/MD  
 Sample : M1222-04  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F1E11

Quant Time: Jan 23 06:21:31 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR012021WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jan 23 06:18:59 2021  
 Response via : Initial Calibration

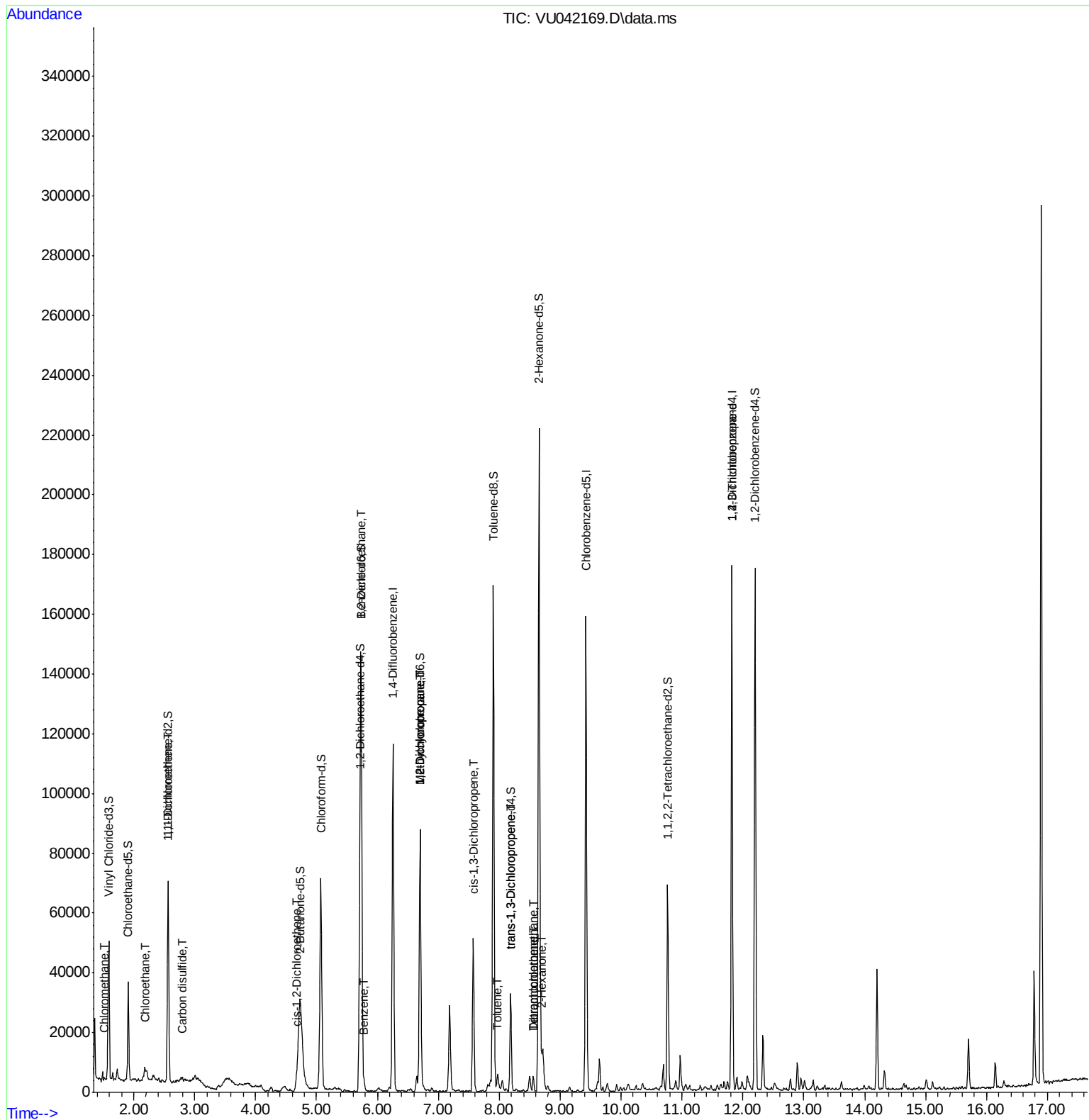
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114   | 87401    | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 82786    | 5.00     | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 44681    | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.591  | 65    | 23787    | 4.22     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 84.40%   |
| 7) Chloroethane-d5            | 1.909  | 69    | 21958    | 4.84     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 96.80%   |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 63    | 39985    | 3.22     | ug/L   | -0.01    |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 64.40%   |
| 20) 2-Butanone-d5             | 4.729  | 46    | 92477    | 44.95    | ug/L   | 0.07     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 89.90%   |
| 24) Chloroform-d              | 5.070  | 84    | 61991    | 5.26     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.20%  |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 37691    | 5.35     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 107.00%  |
| 32) Benzene-d6                | 5.732  | 84    | 114254   | 5.28     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.60%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 37903    | 5.44     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 108.80%  |
| 41) Toluene-d8                | 7.903  | 98    | 103761   | 5.08     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.60%  |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 17654    | 5.00     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 100.00%  |
| 46) 2-Hexanone-d5             | 8.652  | 63    | 77351    | 50.26    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 100.52%  |
| 57) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 32793    | 5.48     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 109.60%  |
| 64) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 44108    | 5.50     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 110.00%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 3) Chloromethane              | 1.517  | 50    | 350      | 0.05     | ug/L # | 77       |
| 8) Chloroethane               | 2.179  | 64    | 6130     | 1.50     | ug/L # | 51       |
| 12) 1,1-Dichloroethene        | 2.565  | 96    | 424      | 0.07     | ug/L # | 1        |
| 14) Carbon disulfide          | 2.790  | 76    | 1241     | 0.06     | ug/L # | 63       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 2089     | 0.31     | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 5.732  | 62    | 701      | 0.08     | ug/L # | 75       |
| 33) Benzene                   | 5.780  | 78    | 2343     | 0.10     | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.700  | 83    | 9047     | 0.82     | ug/L # | 15       |
| 37) 1,2-Dichloropropane       | 6.700  | 63    | 4338     | 0.68     | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 7.571  | 75    | 1233     | 0.12     | ug/L # | 54       |
| 42) Toluene                   | 7.973  | 91    | 4001     | 0.15     | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 8.186  | 75    | 752      | 0.08     | ug/L # | 75       |
| 47) Tetrachloroethene         | 8.559  | 164   | 1021     | 0.19     | ug/L   | 86       |
| 48) 2-Hexanone                | 8.703  | 43    | 3011     | 0.79     | ug/L # | 51       |
| 49) Dibromochloromethane      | 8.559  | 129   | 1097     | 0.17     | ug/L # | 12       |
| 59) 1,2,3-Trichloropropane    | 11.819 | 75    | 5547     | 1.22     | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

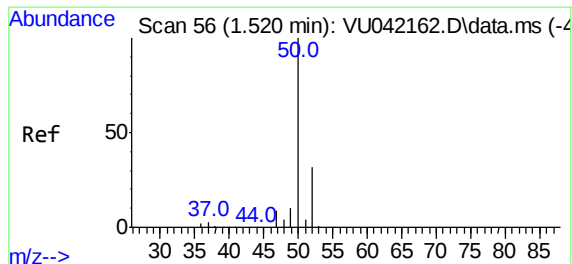
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012221\  
Data File : VU042169.D  
Acq On : 22 Jan 2021 14:57  
Operator : SY/MD  
Sample : M1222-04  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E11

Quant Time: Jan 23 06:21:31 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR012021WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jan 23 06:18:59 2021  
Response via : Initial Calibration

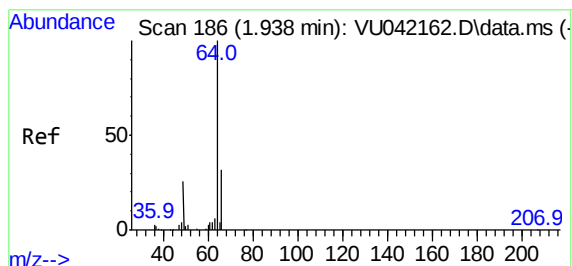
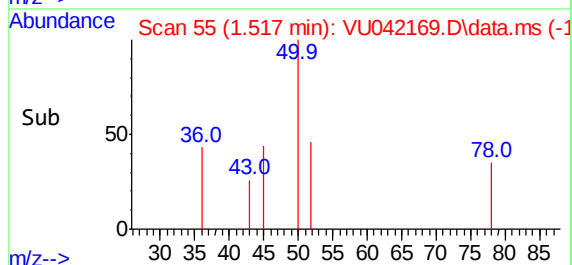
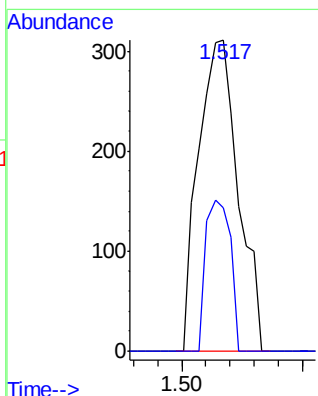
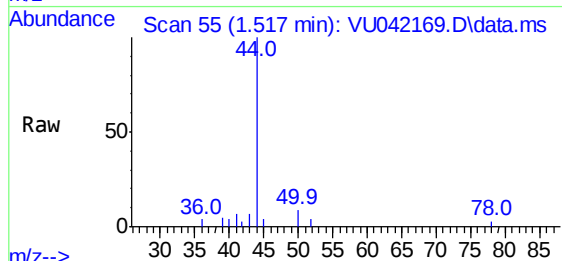




#3  
Chloromethane  
Concen: 0.05 ug/L  
RT: 1.517 min Scan# 55  
Delta R.T. -0.003 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

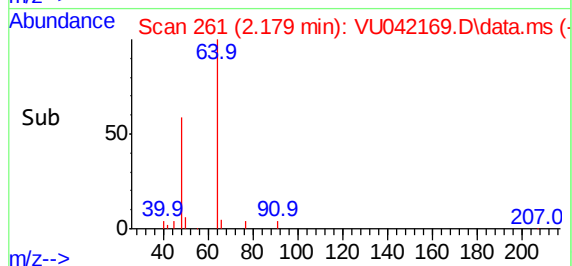
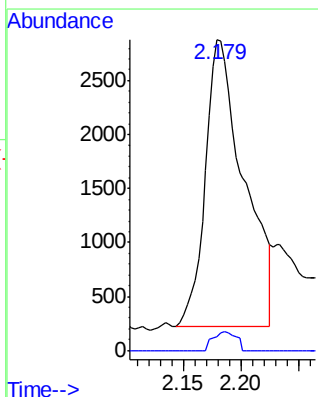
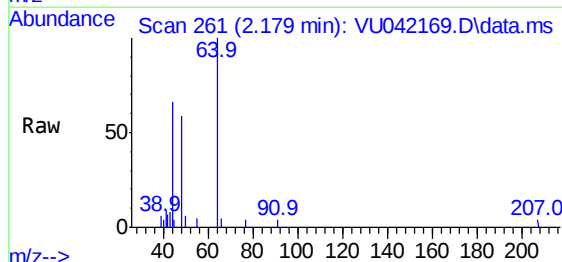
Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E11

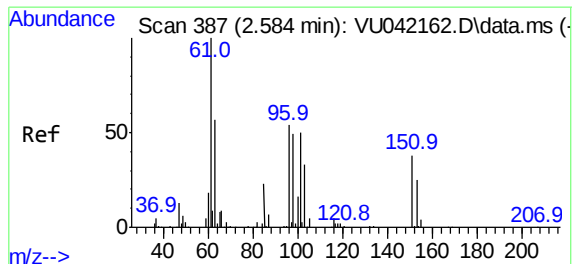
Tgt Ion: 50 Resp: 350  
Ion Ratio Lower Upper  
50 100  
52 46.0 23.0 42.8#



#8  
Chloroethane  
Concen: 1.50 ug/L  
RT: 2.179 min Scan# 261  
Delta R.T. 0.241 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

Tgt Ion: 64 Resp: 6130  
Ion Ratio Lower Upper  
64 100  
66 4.6 22.2 41.2#

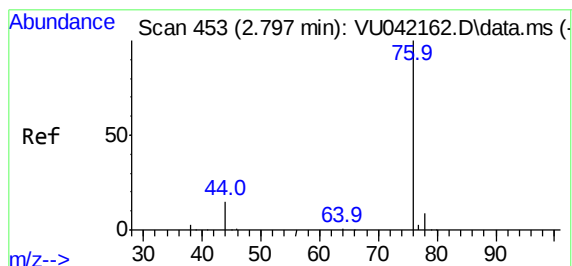
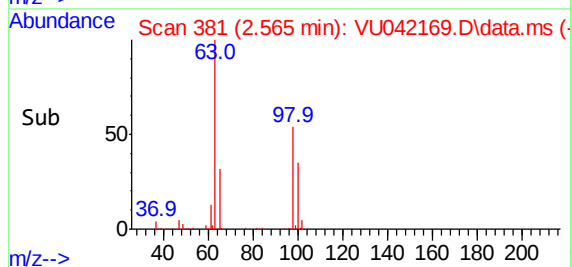
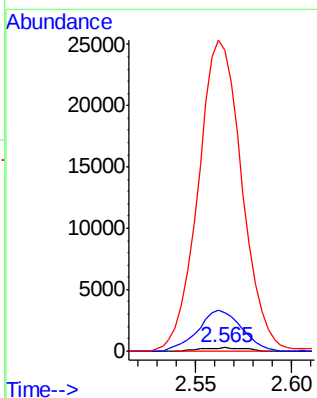
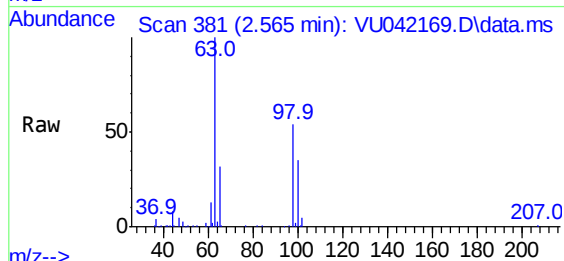




#12  
1,1-Dichloroethene  
Concen: 0.07 ug/L  
RT: 2.565 min Scan# 381  
Delta R.T. -0.019 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

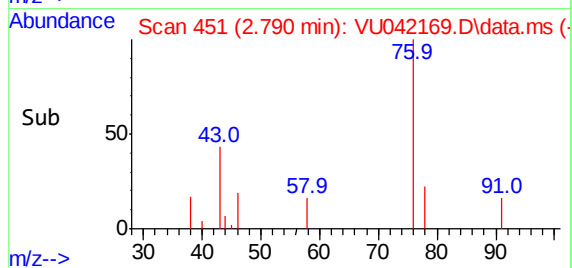
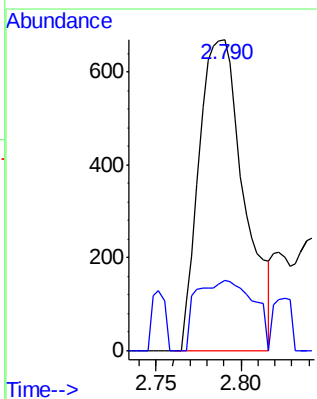
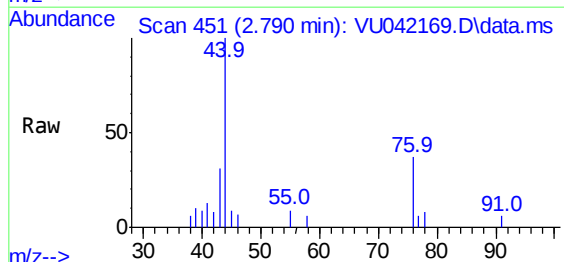
Instrument :  
MSVOA\_U  
ClientSampled :  
F1E11

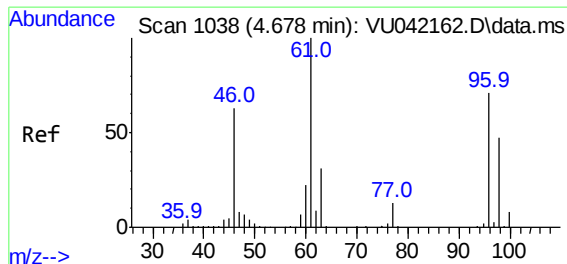
Tgt Ion: 96 Resp: 424  
Ion Ratio Lower Upper  
96 100  
61 1301.7 126.2 234.4#  
63 10184.2 77.8 144.4#



#14  
Carbon disulfide  
Concen: 0.06 ug/L  
RT: 2.790 min Scan# 451  
Delta R.T. -0.006 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

Tgt Ion: 76 Resp: 1241  
Ion Ratio Lower Upper  
76 100  
78 22.4 7.3 10.9#



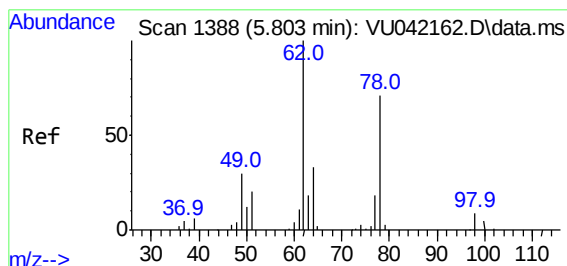
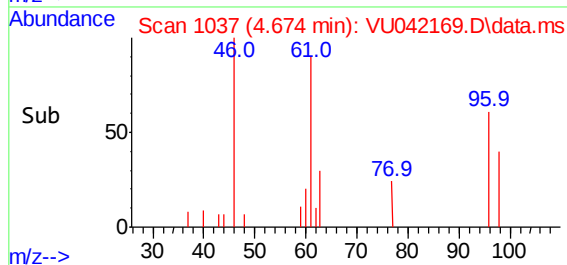
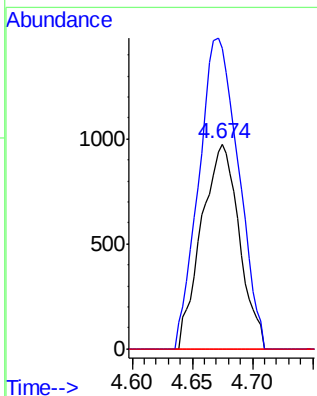
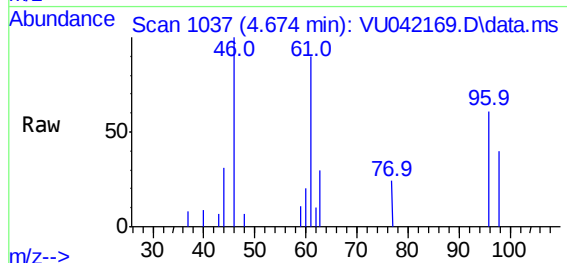


#22  
 cis-1,2-Dichloroethene  
 Concen: 0.31 ug/L  
 RT: 4.674 min Scan# 1037  
 Delta R.T. -0.003 min  
 Lab File: VU042169.D  
 Acq: 22 Jan 2021 14:57

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F1E11

Tgt Ion: 96 Resp: 2089

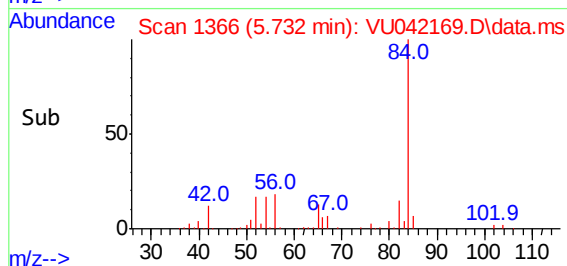
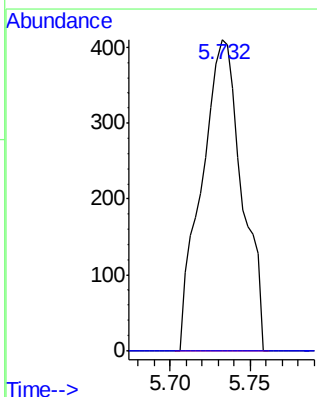
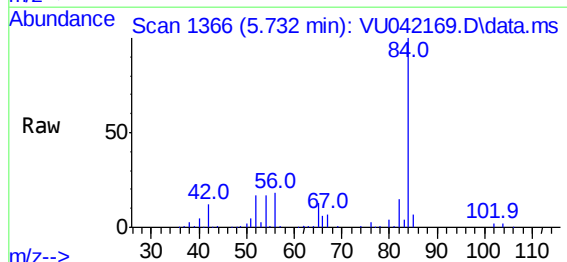
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 147.0 | 97.8  | 181.6 |
| 68  | 0.0   | 0.0   | 0.0   |

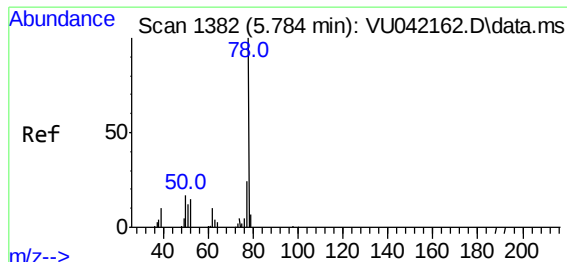


#27  
 1,2-Dichloroethane  
 Concen: 0.08 ug/L  
 RT: 5.732 min Scan# 1366  
 Delta R.T. -0.071 min  
 Lab File: VU042169.D  
 Acq: 22 Jan 2021 14:57

Tgt Ion: 62 Resp: 701

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 0.0   | 7.3   | 10.9# |

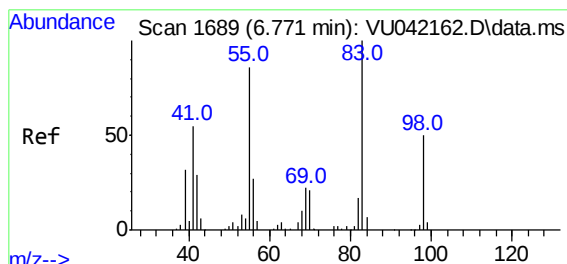
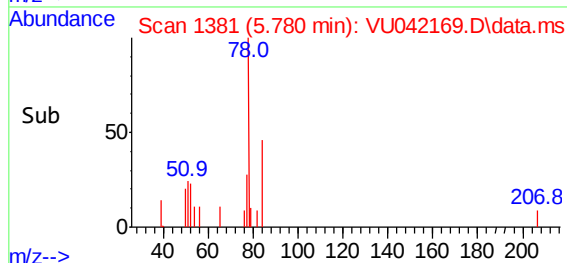
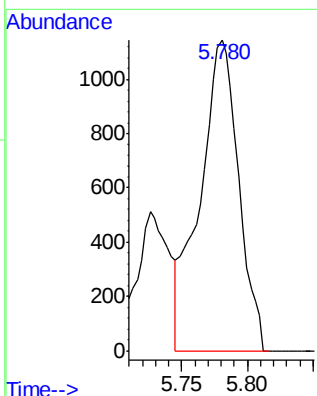
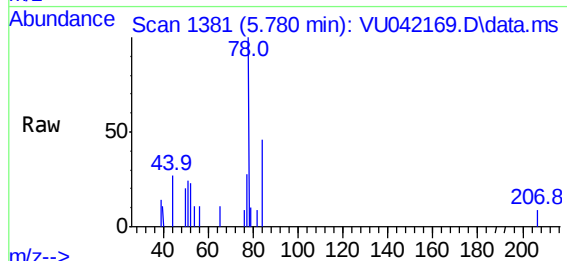




#33  
Benzene  
Concen: 0.10 ug/L  
RT: 5.780 min Scan# 1381  
Delta R.T. -0.003 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E11

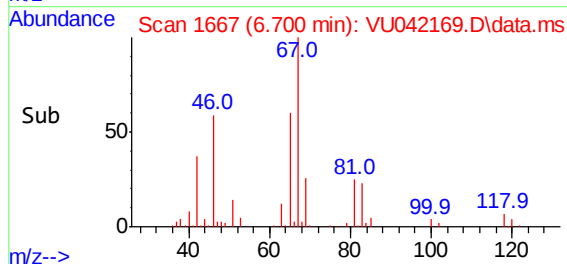
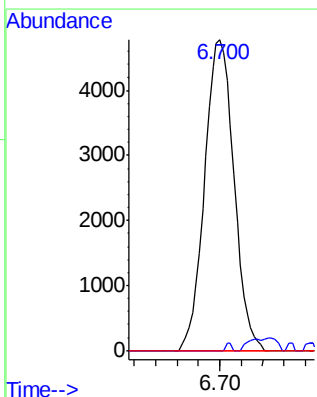
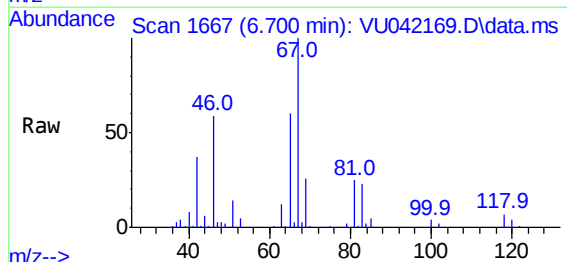
Tgt Ion: 78 Resp: 2343

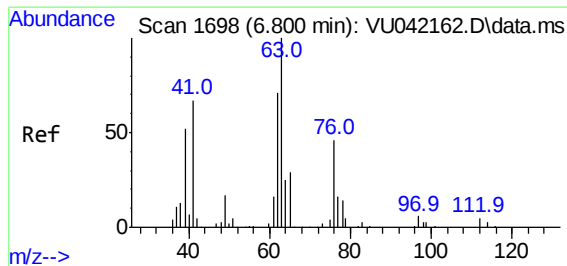


#35  
Methylcyclohexane  
Concen: 0.82 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.071 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

Tgt Ion: 83 Resp: 9047

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 83  | 100   |       |        |
| 55  | 0.5   | 68.2  | 102.4# |
| 98  | 0.0   | 39.7  | 59.5#  |

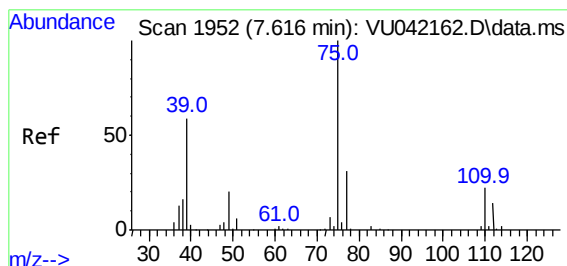
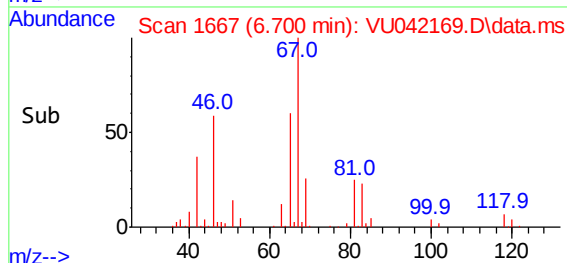
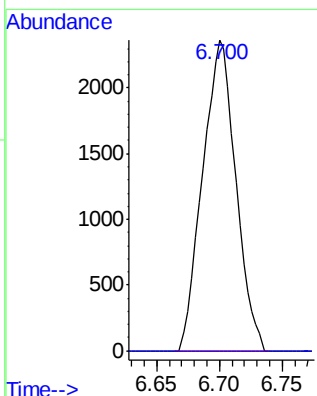
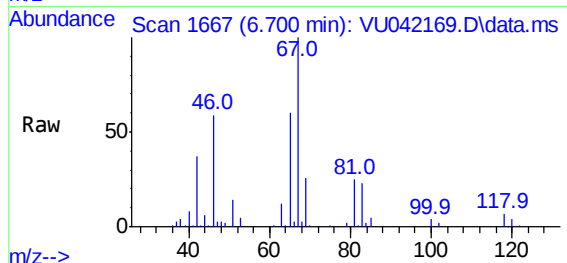




#37  
1,2-Dichloropropane  
Concen: 0.68 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.100 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

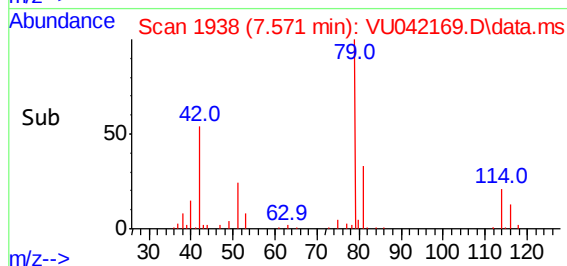
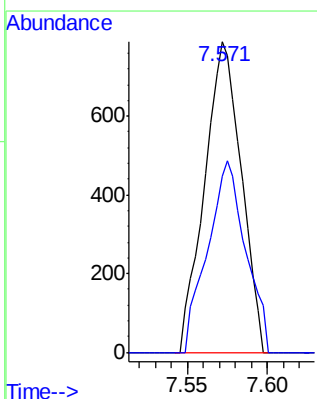
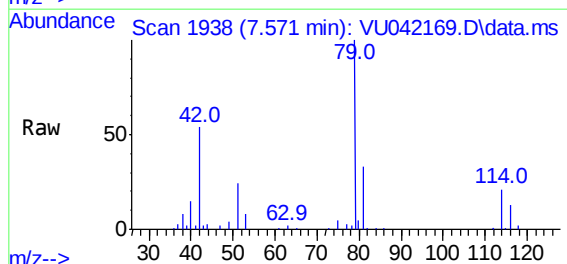
Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E11

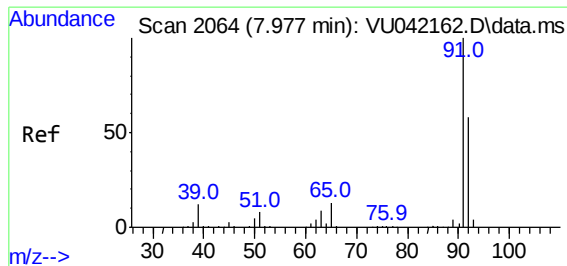
Tgt Ion: 63 Resp: 4338  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#



#39  
cis-1,3-Dichloropropene  
Concen: 0.12 ug/L  
RT: 7.571 min Scan# 1938  
Delta R.T. -0.045 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

Tgt Ion: 75 Resp: 1233  
Ion Ratio Lower Upper  
75 100  
77 56.9 22.0 40.8#

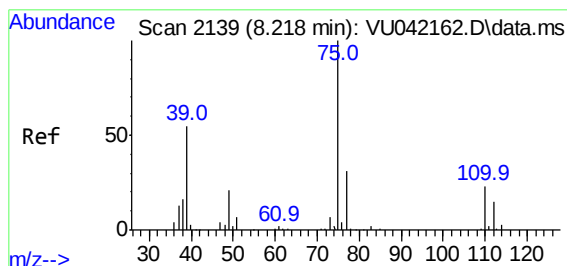
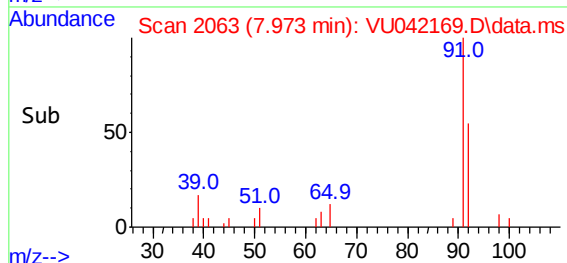
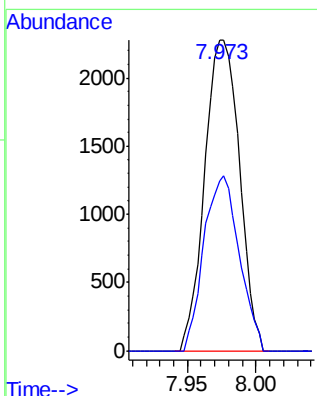
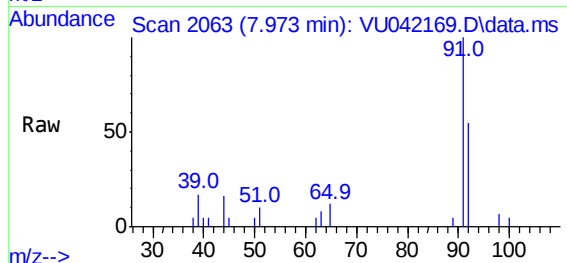




#42  
Toluene  
Concen: 0.15 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. -0.003 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

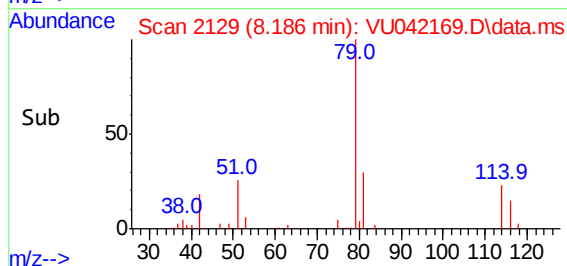
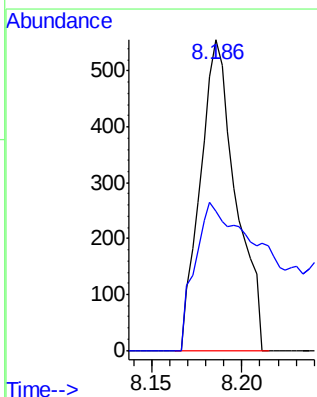
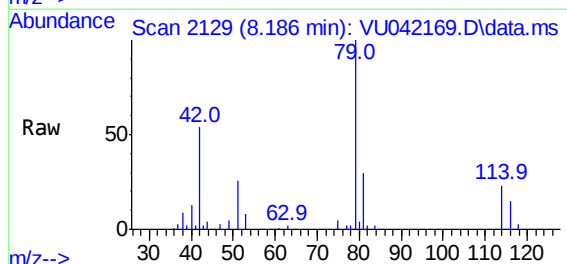
Instrument :  
MSVOA\_U  
ClientSampled :  
F1E11

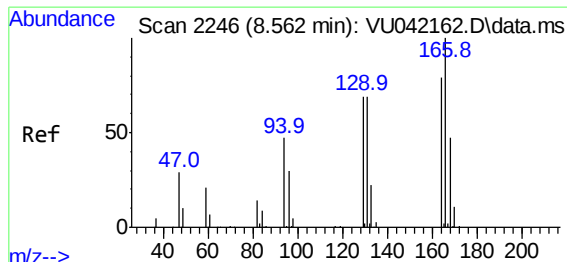
Tgt Ion: 91 Resp: 4001  
Ion Ratio Lower Upper  
91 100  
92 54.5 41.2 76.6



#44  
trans-1,3-Dichloropropene  
Concen: 0.08 ug/L  
RT: 8.186 min Scan# 2129  
Delta R.T. -0.032 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

Tgt Ion: 75 Resp: 752  
Ion Ratio Lower Upper  
75 100  
77 44.8 21.8 40.4#



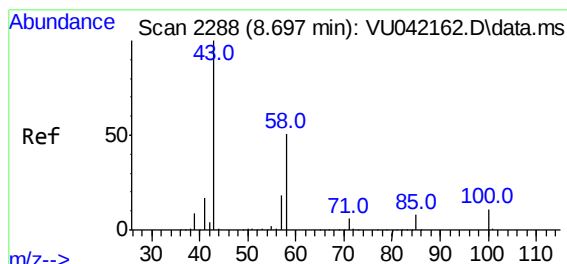
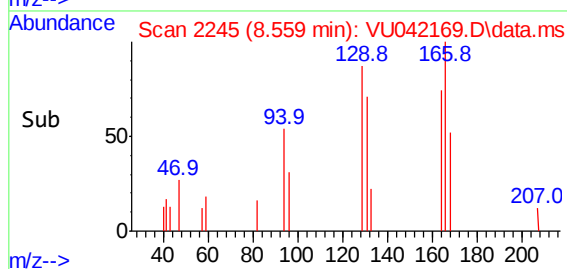
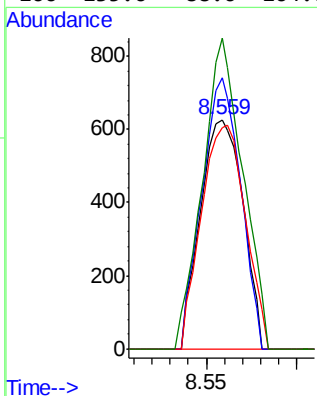
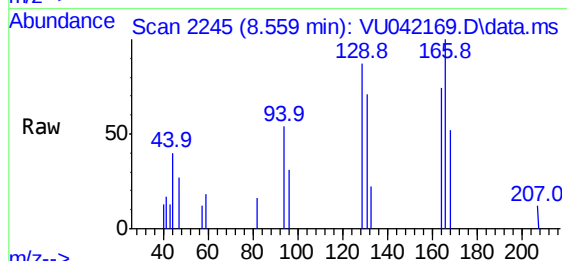


#47  
Tetrachloroethene  
Concen: 0.19 ug/L  
RT: 8.559 min Scan# 2245  
Delta R.T. -0.003 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E11

Tgt Ion:164 Resp: 1021

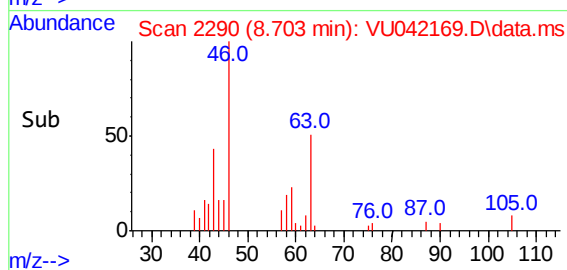
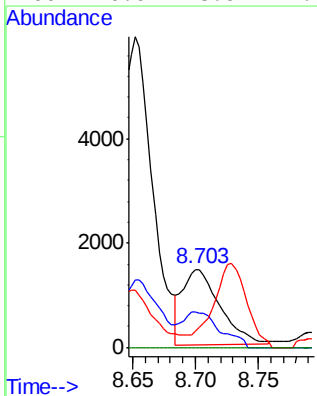
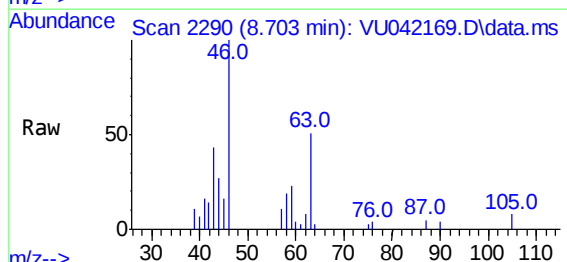
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 118.5 | 64.3  | 119.5 |
| 131 | 96.7  | 62.2  | 115.6 |
| 166 | 135.6 | 88.6  | 164.6 |

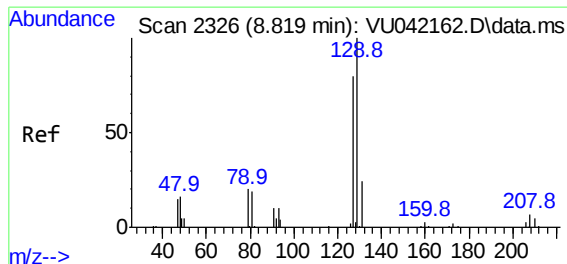


#48  
2-Hexanone  
Concen: 0.79 ug/L  
RT: 8.703 min Scan# 2290  
Delta R.T. 0.006 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

Tgt Ion: 43 Resp: 3011

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 47.2  | 40.6  | 61.0  |
| 57  | 99.7  | 14.9  | 22.3# |
| 100 | 0.0   | 8.6   | 12.8# |

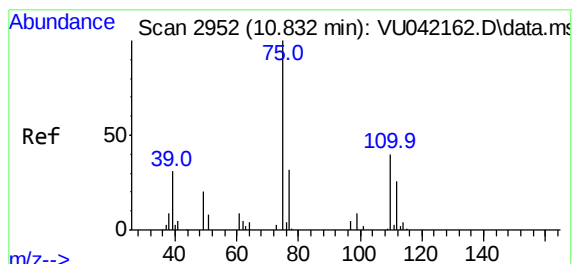
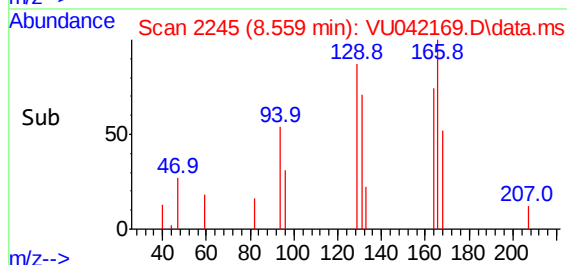
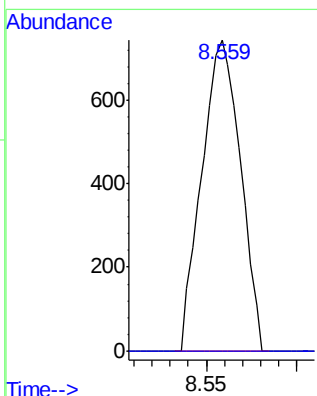
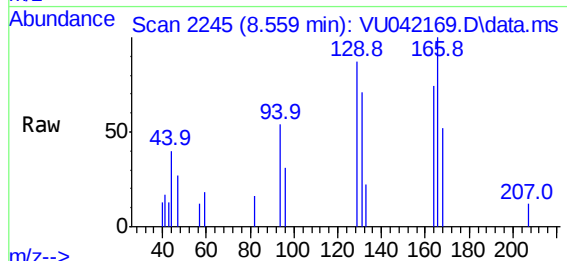




#49  
Dibromochloromethane  
Concen: 0.17 ug/L  
RT: 8.559 min Scan# 2245  
Delta R.T. -0.260 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E11

Tgt Ion:129 Resp: 1097  
Ion Ratio Lower Upper  
129 100  
127 0.0 52.3 97.1#



#59  
1,2,3-Trichloropropane  
Concen: 1.22 ug/L  
RT: 11.819 min Scan# 3259  
Delta R.T. 0.987 min  
Lab File: VU042169.D  
Acq: 22 Jan 2021 14:57

Tgt Ion: 75 Resp: 5547  
Ion Ratio Lower Upper  
75 100  
77 33.2 26.0 39.0

