

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
 Data File : VU042065.D  
 Acq On : 15 Jan 2021 12:01  
 Operator : SY/MD  
 Sample : M1129-09DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFT67DL

Quant Time: Jan 16 01:08:13 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jan 16 01:05:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.259          | 114  | 153115     | 5.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 152255     | 5.00    | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.809         | 152  | 72181      | 5.00    | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.600          | 65   | 37357      | 3.23    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 40 - 130 |      | Recovery = | 64.60%  |        |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 43657      | 3.99    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 65 - 130 |      | Recovery = | 79.80%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.575          | 63   | 58692      | 2.52    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 60 - 125 |      | Recovery = | 50.40%# |        |          |
| 20) 2-Butanone-d5             | 4.649          | 46   | 135635     | 34.98   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 40 - 130 |      | Recovery = | 69.96%  |        |          |
| 24) Chloroform-d              | 5.079          | 84   | 81849      | 3.46    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 125 |      | Recovery = | 69.20%# |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.716          | 65   | 47317      | 3.67    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery = | 73.40%  |        |          |
| 32) Benzene-d6                | 5.742          | 84   | 153605     | 3.12    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 125 |      | Recovery = | 62.40%# |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.700          | 67   | 53237      | 3.30    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 60 - 140 |      | Recovery = | 66.00%  |        |          |
| 41) Toluene-d8                | 7.906          | 98   | 153799     | 3.49    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery = | 69.80%# |        |          |
| 43) trans-1,3-Dichloroprop... | 8.185          | 79   | 22776      | 3.51    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 55 - 130 |      | Recovery = | 70.20%  |        |          |
| 46) 2-Hexanone-d5             | 8.642          | 63   | 117221     | 35.24   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 45 - 130 |      | Recovery = | 70.48%  |        |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.754         | 84   | 44932      | 3.66    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 65 - 120 |      | Recovery = | 73.20%  |        |          |
| 64) 1,2-Dichlorobenzene-d4    | 12.188         | 152  | 51370      | 3.78    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 80 - 120 |      | Recovery = | 75.60%# |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 3) Chloromethane              | 1.523          | 50   | 1248       | 0.07    | ug/L # | 81       |
| 13) Acetone                   | 2.658          | 43   | 4257       | 1.76    | ug/L   | 89       |
| 15) Methyl Acetate            | 2.964          | 43   | 1278       | 0.22    | ug/L # | 62       |
| 16) Methylene chloride        | 3.063          | 84   | 2214       | 0.16    | ug/L   | 88       |
| 17) Methyl tert-butyl Ether   | 3.378          | 73   | 2411       | 0.08    | ug/L # | 14       |
| 21) 2-Butanone                | 4.729          | 43   | 3576       | 0.93    | ug/L   | 79       |
| 25) Chloroform                | 5.099          | 83   | 4173       | 0.17    | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 5.739          | 62   | 610        | 0.04    | ug/L # | 75       |
| 34) Trichloroethene           | 6.552          | 95   | 70369      | 5.00    | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.700          | 83   | 12591      | 0.56    | ug/L # | 16       |
| 37) 1,2-Dichloropropane       | 6.700          | 63   | 5838       | 0.40    | ug/L # | 90       |
| 38) Bromodichloromethane      | 7.115          | 83   | 2123       | 0.11    | ug/L # | 78       |
| 44) trans-1,3-Dichloropropene | 8.182          | 75   | 822        | 0.04    | ug/L   | 85       |
| 47) Tetrachloroethene         | 8.552          | 164  | 1945       | 0.21    | ug/L   | 75       |
| 49) Dibromochloromethane      | 8.816          | 129  | 986        | 0.09    | ug/L   | 96       |
| 59) 1,2,3-Trichloropropane    | 11.806         | 75   | 8127       | 0.84    | ug/L   | 95       |
| 69) Naphthalene               | 14.076         | 128  | 15490      | 0.68    | ug/L   | 99       |
| -----                         |                |      |            |         |        |          |

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

**Instrument :**

MSVOA\_U

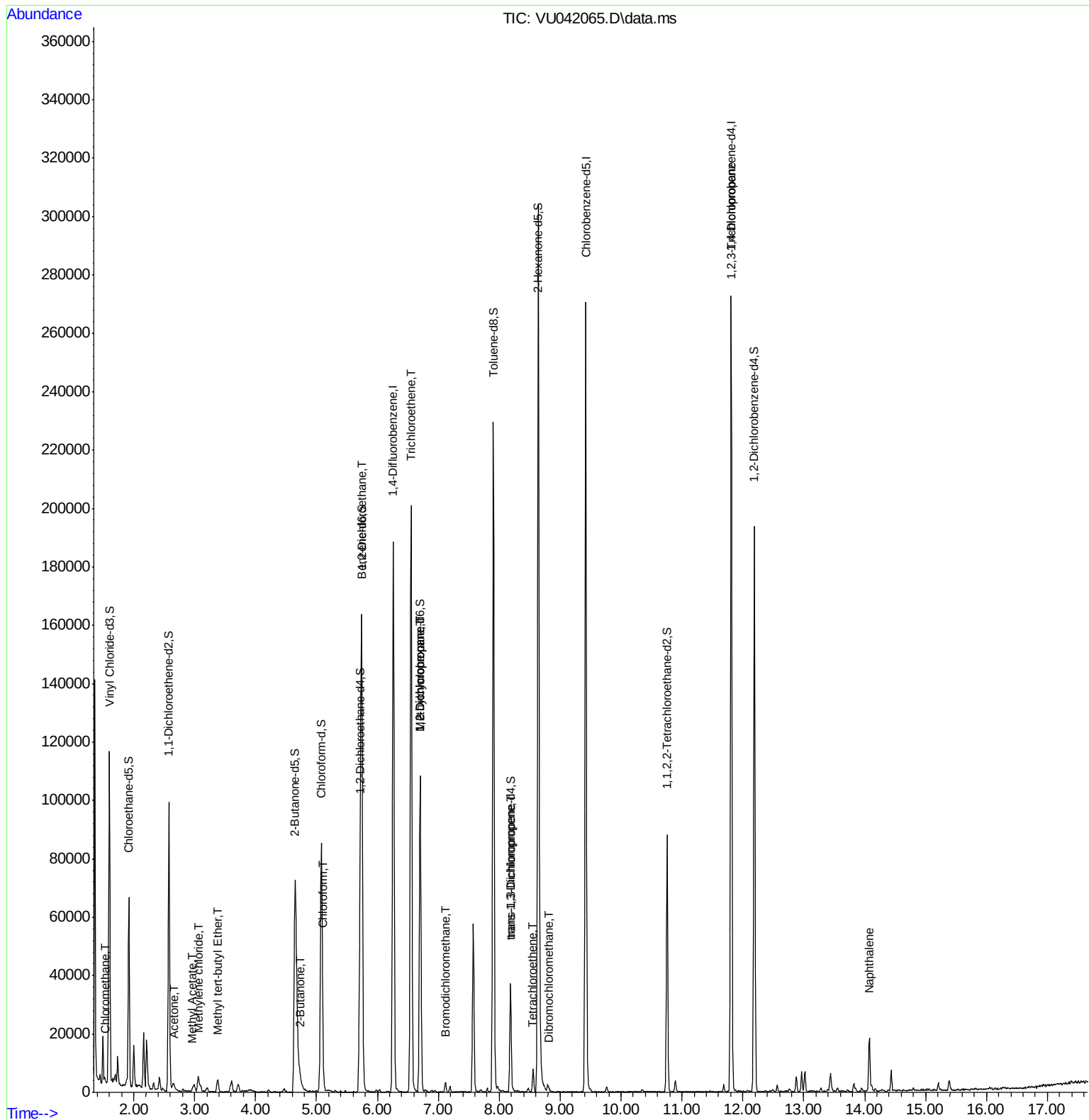
**ClientSampleId :**

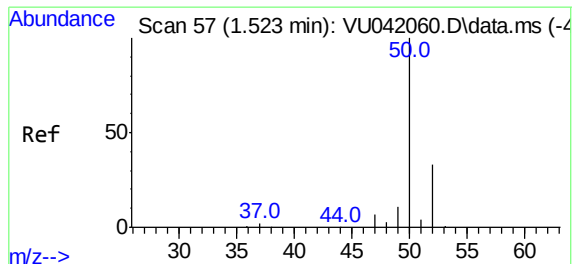
BFT67DL

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Sample : M1129-09DL 5X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT67DL

Quant Time: Jan 16 01:08:13 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jan 16 01:05:16 2021  
Response via : Initial Calibration

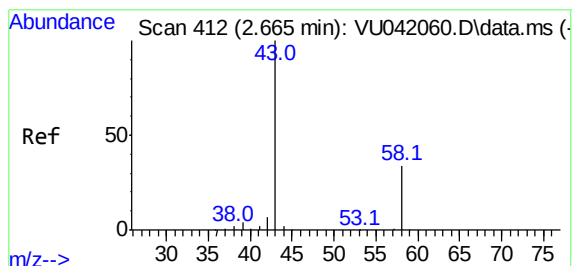
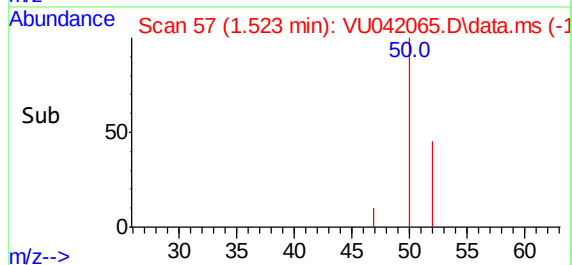
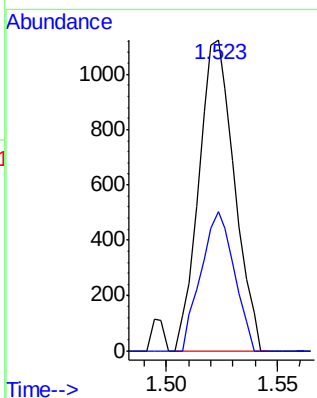
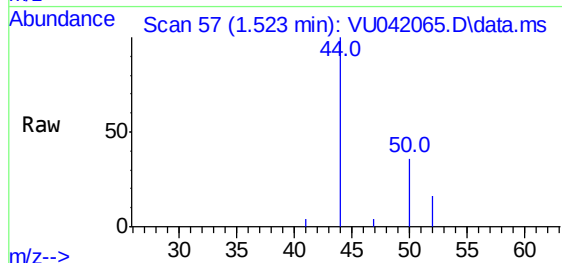




#3  
Chloromethane  
Concen: 0.07 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. -0.000 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

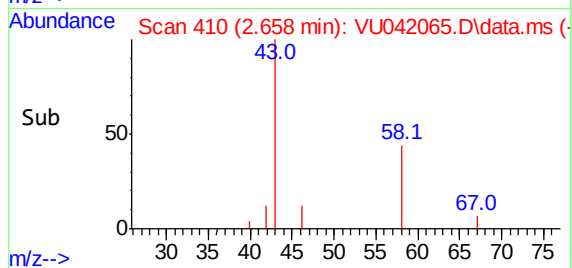
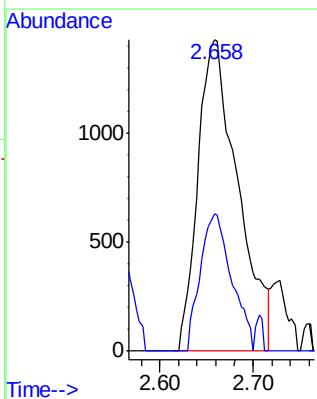
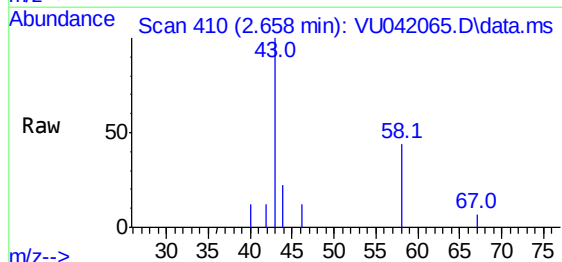
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT67DL

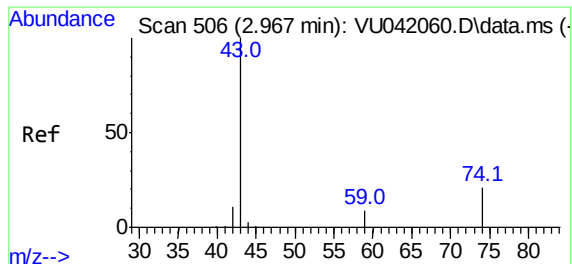
Tgt Ion: 50 Resp: 1248  
Ion Ratio Lower Upper  
50 100  
52 44.7 23.5 43.7#



#13  
Acetone  
Concen: 1.76 ug/L  
RT: 2.658 min Scan# 410  
Delta R.T. -0.007 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

Tgt Ion: 43 Resp: 4257  
Ion Ratio Lower Upper  
43 100  
58 34.6 0.0 57.4

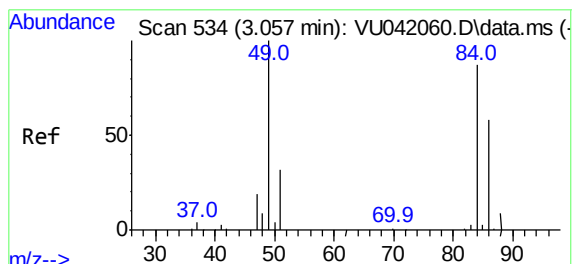
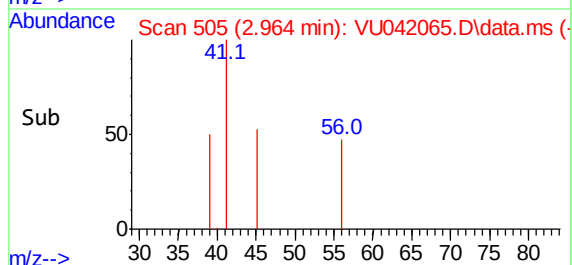
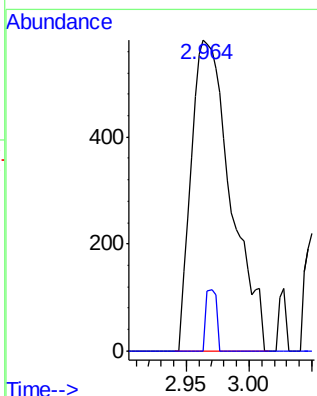
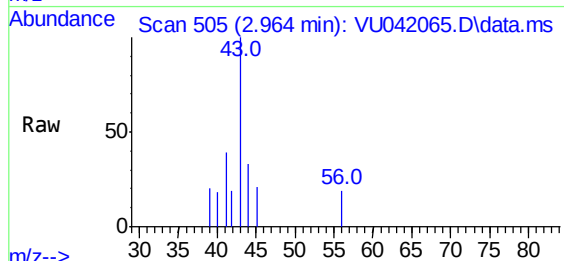




#15  
Methyl Acetate  
Concen: 0.22 ug/L  
RT: 2.964 min Scan# 505  
Delta R.T. -0.003 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

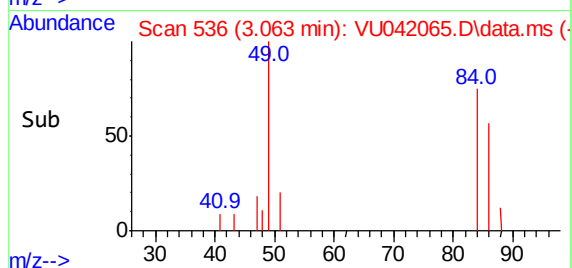
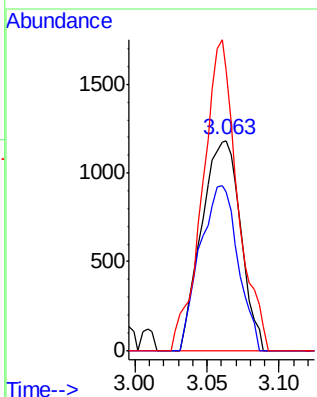
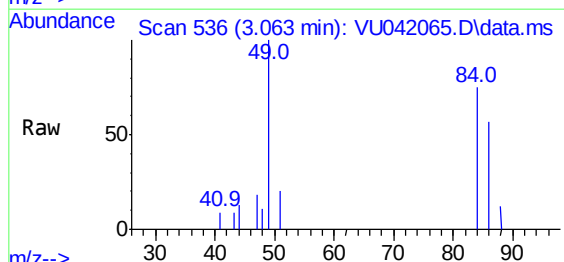
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT67DL

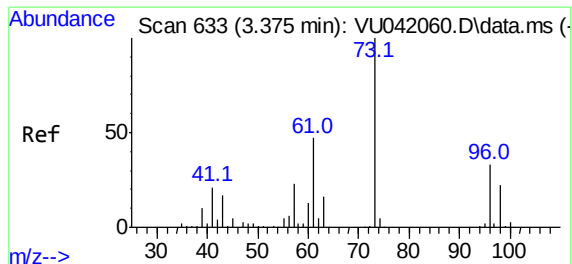
Tgt Ion: 43 Resp: 1278  
Ion Ratio Lower Upper  
43 100  
74 5.0 19.2 28.8#



#16  
Methylene chloride  
Concen: 0.16 ug/L  
RT: 3.063 min Scan# 536  
Delta R.T. 0.006 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

Tgt Ion: 84 Resp: 2214  
Ion Ratio Lower Upper  
84 100  
86 75.3 42.6 79.0  
49 133.1 86.2 160.0

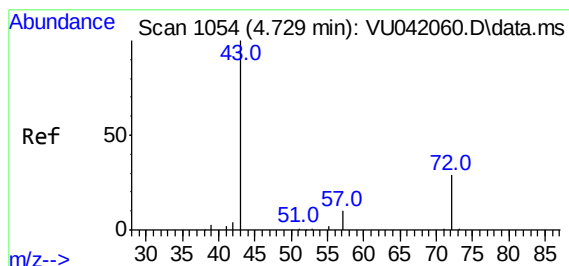
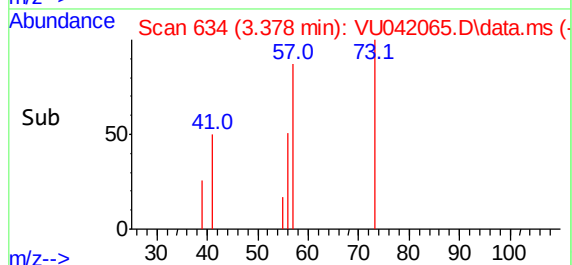
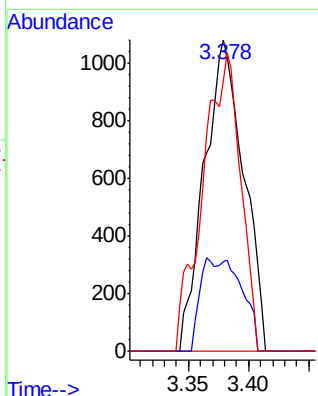
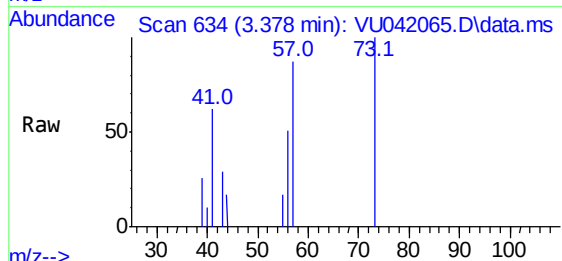




#17  
Methyl tert-butyl Ether  
Concen: 0.08 ug/L  
RT: 3.378 min Scan# 634  
Delta R.T. 0.003 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

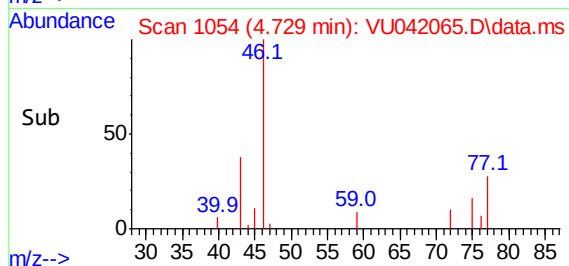
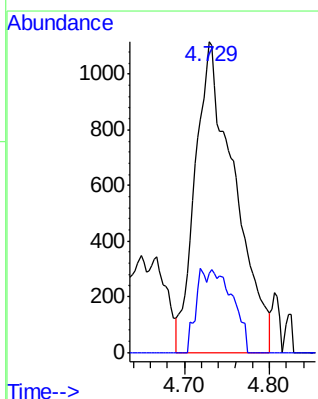
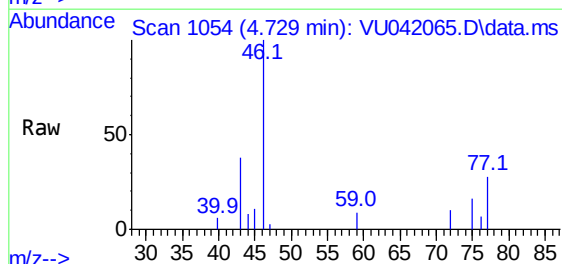
Instrument :  
MSVOA\_U  
ClientSampled :  
BFT67DL

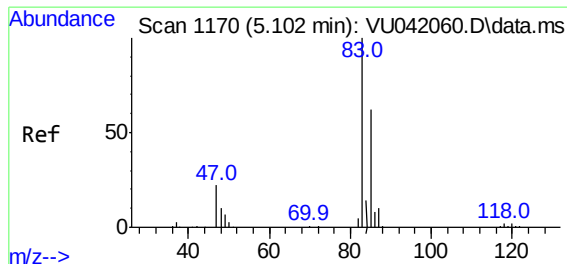
Tgt Ion: 73 Resp: 2411  
Ion Ratio Lower Upper  
73 100  
43 12.0 15.1 22.7#  
57 92.1 18.0 27.0#



#21  
2-Butanone  
Concen: 0.93 ug/L  
RT: 4.729 min Scan# 1054  
Delta R.T. -0.000 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

Tgt Ion: 43 Resp: 3576  
Ion Ratio Lower Upper  
43 100  
72 16.4 13.7 41.1

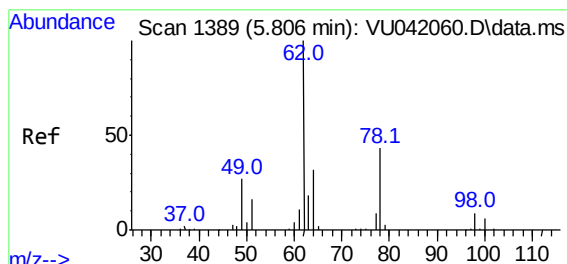
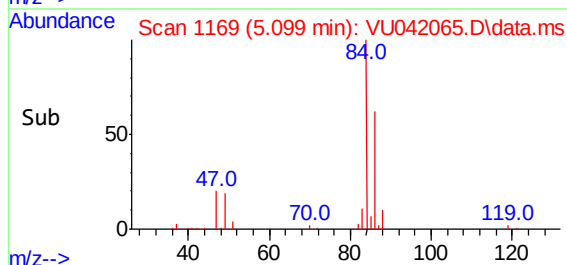
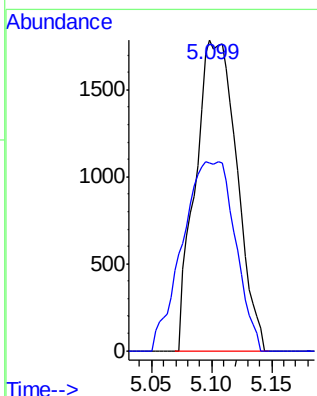
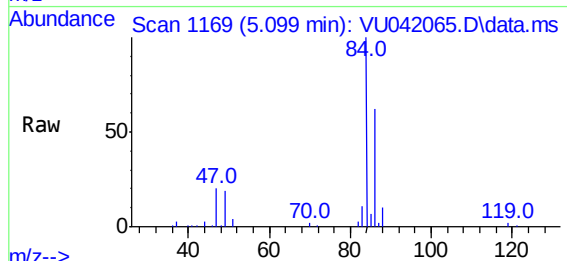




#25  
Chloroform  
Concen: 0.17 ug/L  
RT: 5.099 min Scan# 1169  
Delta R.T. -0.003 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

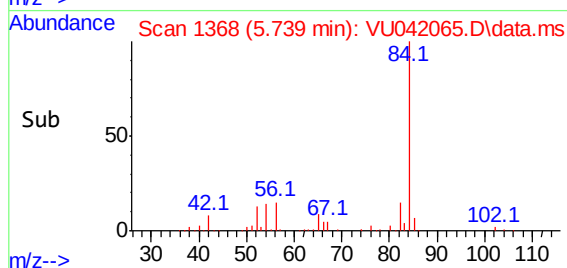
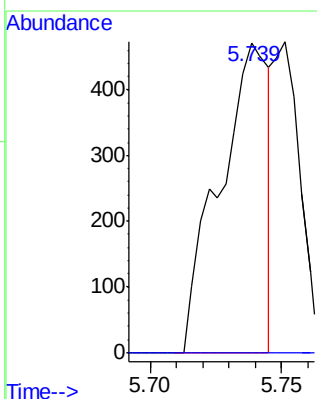
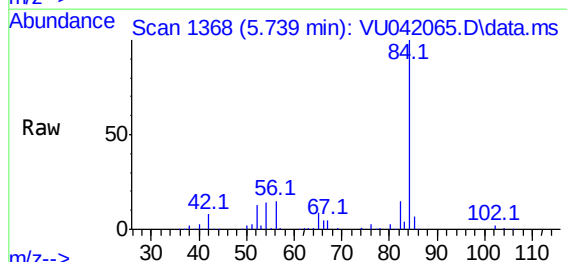
Instrument :  
MSVOA\_U  
ClientSampled :  
BFT67DL

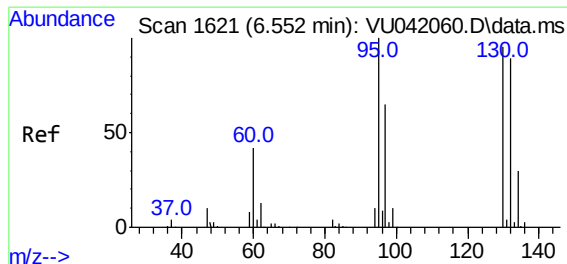
Tgt Ion: 83 Resp: 4173  
Ion Ratio Lower Upper  
83 100  
85 60.5 46.1 85.7



#27  
1,2-Dichloroethane  
Concen: 0.04 ug/L  
RT: 5.739 min Scan# 1368  
Delta R.T. -0.068 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

Tgt Ion: 62 Resp: 610  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.1 10.7#



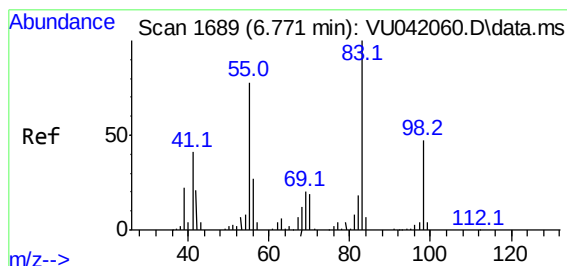
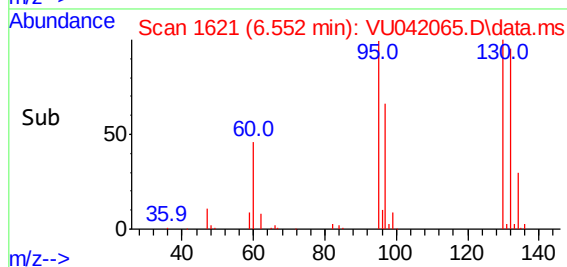
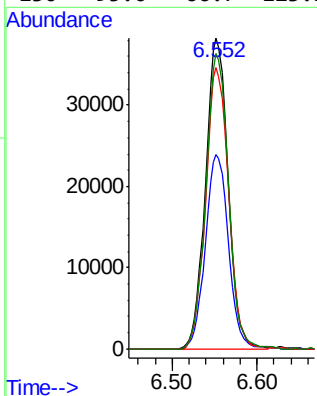
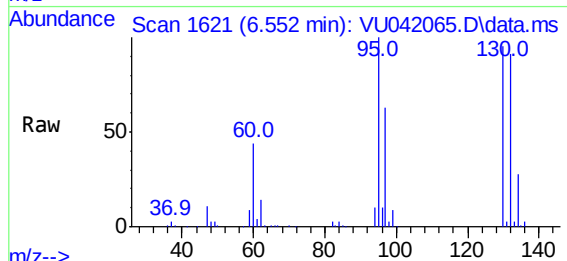


#34  
Trichloroethene  
Concen: 5.00 ug/L  
RT: 6.552 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

Instrument :  
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Tgt Ion: 95 Resp: 70369

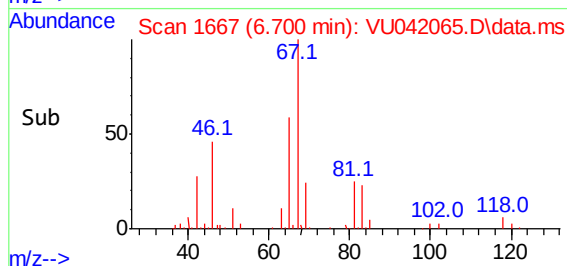
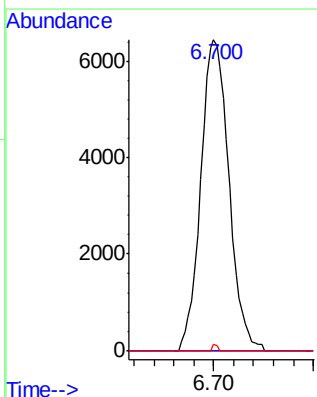
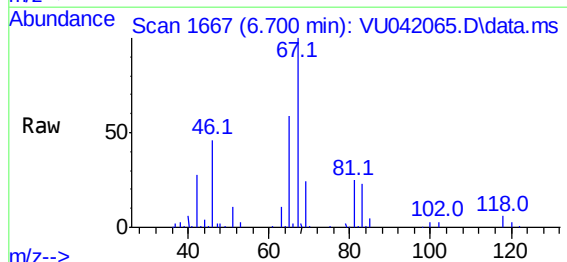
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.7  | 43.6  | 81.0  |
| 132 | 90.6  | 64.3  | 119.3 |
| 130 | 95.0  | 66.7  | 123.9 |



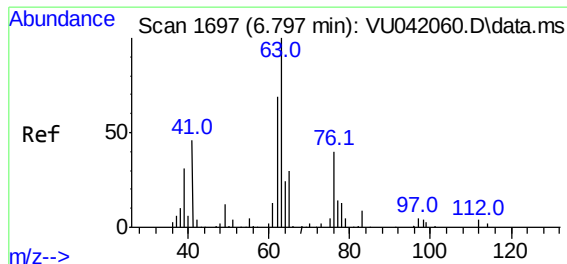
#35  
Methylcyclohexane  
Concen: 0.56 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.071 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

Tgt Ion: 83 Resp: 12591

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 83  | 100   |       |        |
| 55  | 0.0   | 66.8  | 100.2# |
| 98  | 0.0   | 35.7  | 53.5#  |



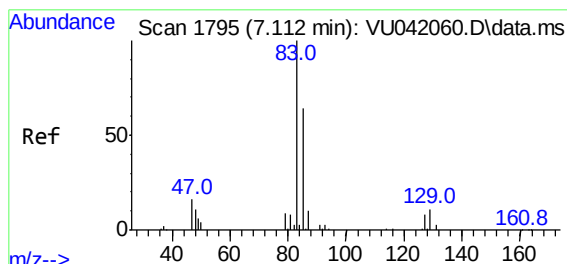
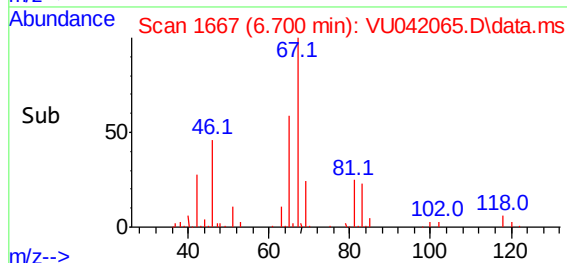
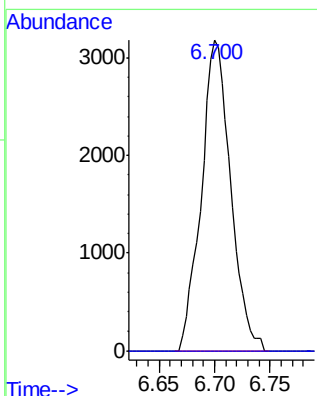
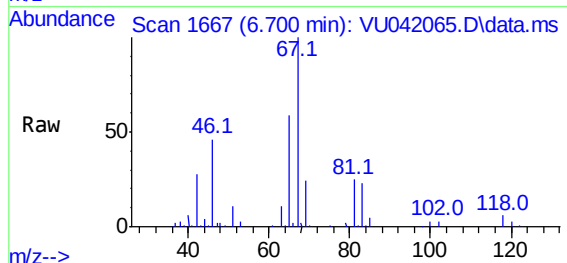




#37  
1,2-Dichloropropane  
Concen: 0.40 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.097 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

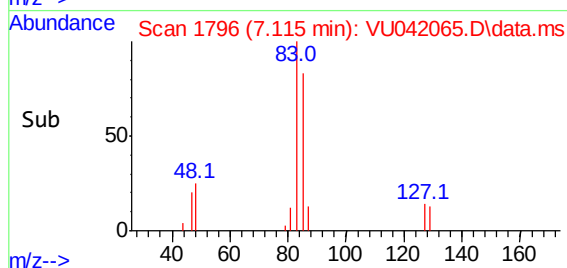
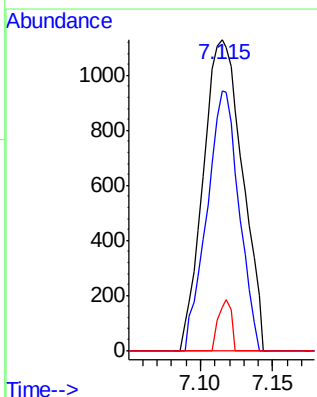
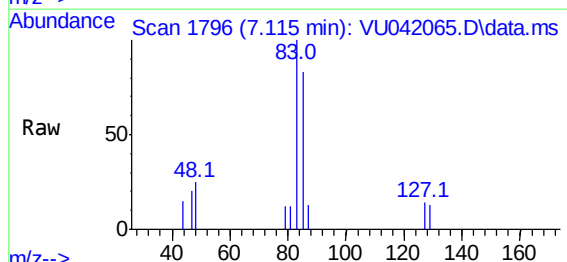
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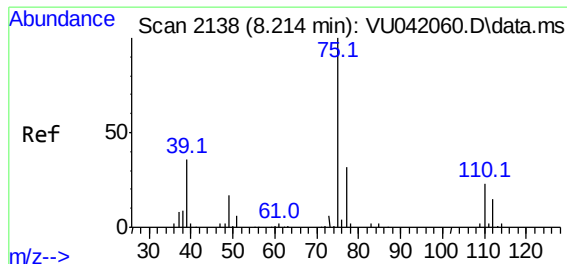
Tgt Ion: 63 Resp: 5838  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.7 4.1#



#38  
Bromodichloromethane  
Concen: 0.11 ug/L  
RT: 7.115 min Scan# 1796  
Delta R.T. 0.003 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

Tgt Ion: 83 Resp: 2123  
Ion Ratio Lower Upper  
83 100  
85 83.4 45.8 85.0  
127 14.0 6.1 9.1#



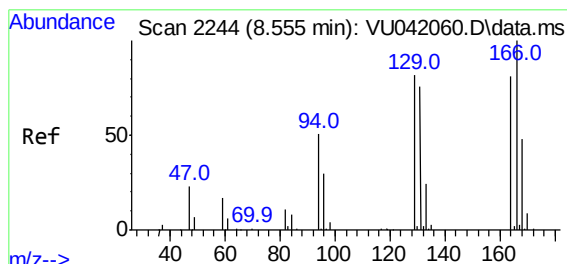
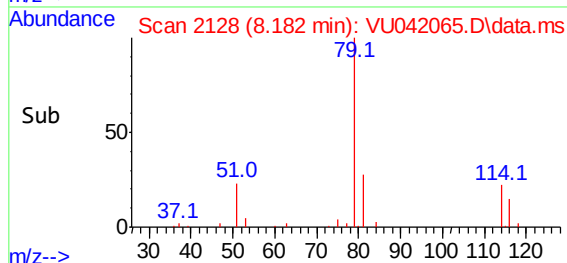
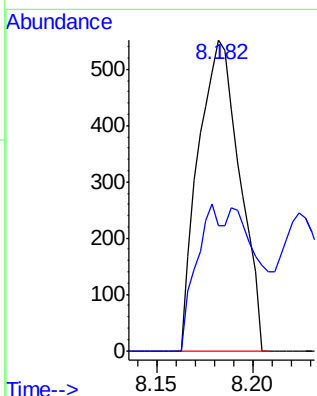
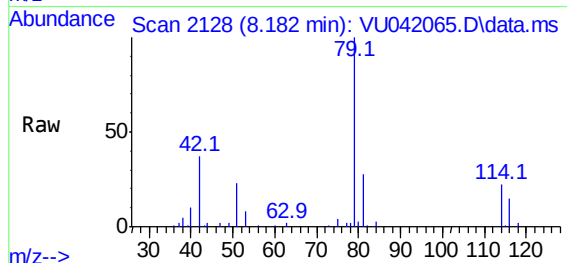


#44

trans-1,3-Dichloropropene  
Concen: 0.04 ug/L  
RT: 8.182 min Scan# 2128  
Delta R.T. -0.032 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT67DL

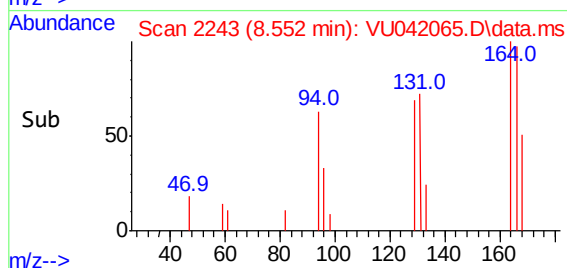
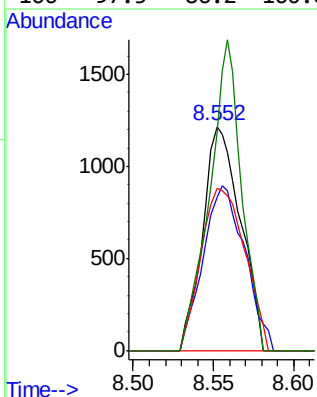
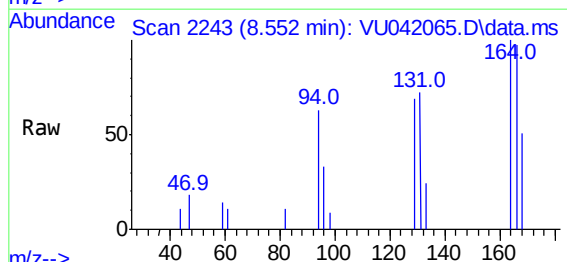
Tgt Ion: 75 Resp: 822  
Ion Ratio Lower Upper  
75 100  
77 40.0 22.0 41.0

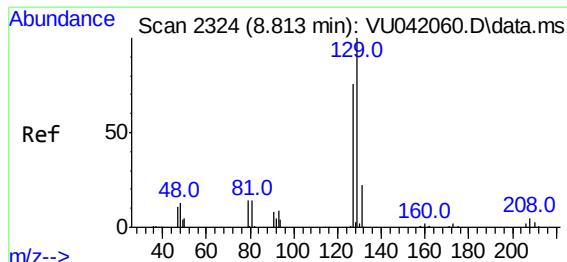


#47

Tetrachloroethene  
Concen: 0.21 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.003 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

Tgt Ion: 164 Resp: 1945  
Ion Ratio Lower Upper  
164 100  
129 68.8 68.7 127.5  
131 72.2 65.2 121.0  
166 97.5 86.2 160.0

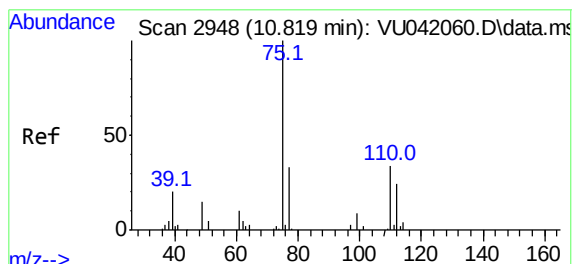
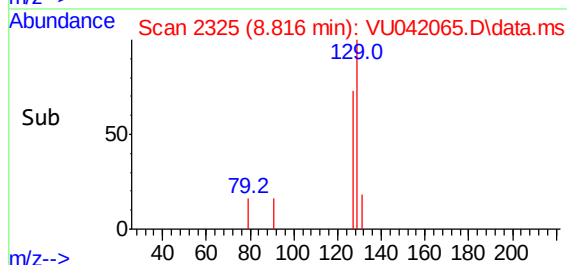
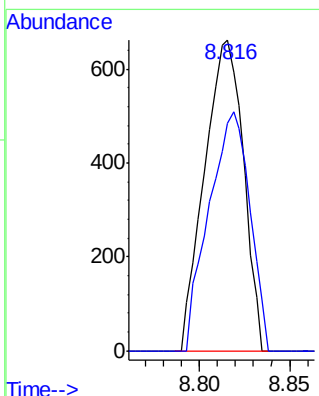
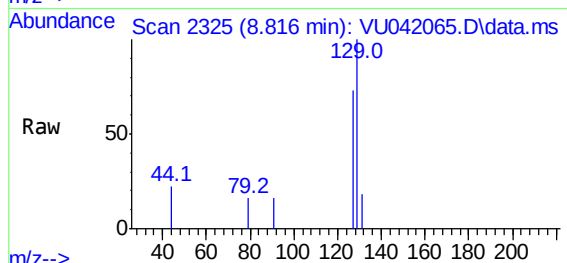




#49  
 Dibromochloromethane  
 Concen: 0.09 ug/L  
 RT: 8.816 min Scan# 2325  
 Delta R.T. 0.003 min  
 Lab File: VU042065.D  
 Acq: 15 Jan 2021 12:01

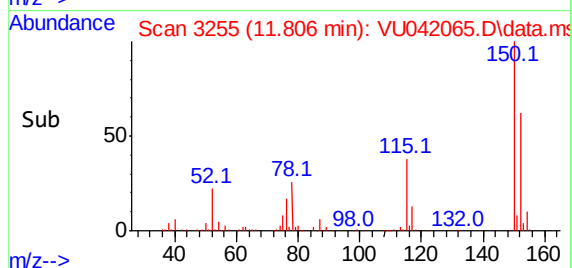
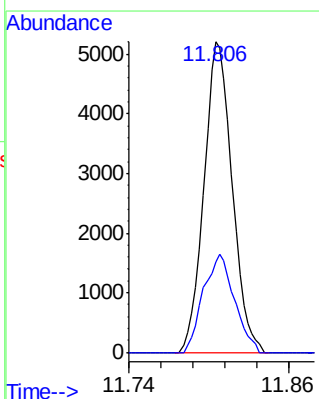
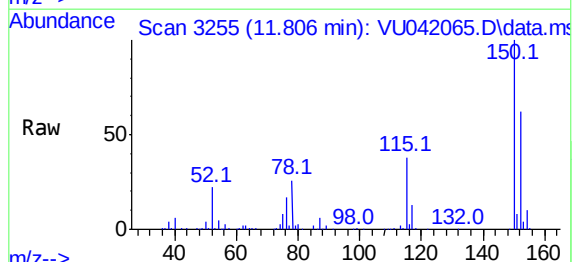
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFT67DL

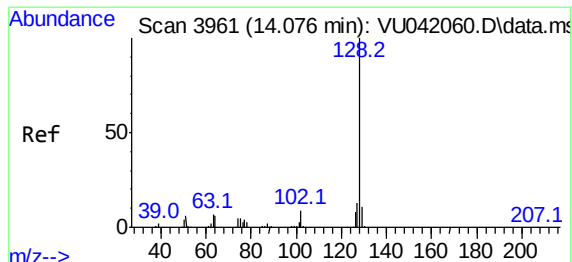
Tgt Ion: 129 Resp: 986  
 Ion Ratio Lower Upper  
 129 100  
 127 73.3 53.7 99.7



#59  
 1,2,3-Trichloropropane  
 Concen: 0.84 ug/L  
 RT: 11.806 min Scan# 3255  
 Delta R.T. 0.987 min  
 Lab File: VU042065.D  
 Acq: 15 Jan 2021 12:01

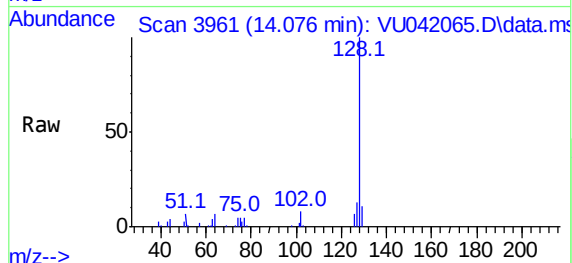
Tgt Ion: 75 Resp: 8127  
 Ion Ratio Lower Upper  
 75 100  
 77 34.8 25.6 38.4





#69  
Naphthalene  
Concen: 0.68 ug/L  
RT: 14.076 min Scan# 3961  
Delta R.T. -0.000 min  
Lab File: VU042065.D  
Acq: 15 Jan 2021 12:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT67DL



Tgt Ion:128 Resp: 15490

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.4  | 8.7   | 13.1  |
| 127 | 13.7  | 10.5  | 15.7  |

