

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052021\  
 Data File : VU043837.D  
 Acq On : 19 May 2021 19:26  
 Operator : SY/MD  
 Sample : M2464-03MSD  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB3Y6MSD

Quant Time: May 20 03:57:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR051521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 20 03:54:53 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114   | 233030   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.424  | 117   | 226664   | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 118266   | 5.00     | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 54688    | 3.18     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 63.60%   |
| 7) Chloroethane-d5            | 1.916  | 69    | 41937    | 3.49     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 69.80%   |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 12549    | 1.76     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 35.20%#  |
| 20) 2-Butanone-d5             | 4.639  | 46    | 195853   | 59.95    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 119.90%  |
| 24) Chloroform-d              | 5.073  | 84    | 137143   | 4.91     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.20%   |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65    | 67602    | 4.72     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.40%   |
| 32) Benzene-d6                | 5.736  | 84    | 274856   | 4.77     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.40%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 87569    | 4.77     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.40%   |
| 41) Toluene-d8                | 7.906  | 98    | 246681   | 4.64     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.80%   |
| 43) trans-1,3-Dichloroprop... | 8.186  | 79    | 33728    | 4.95     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.00%   |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 165039   | 53.80    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.60%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 75182    | 4.99     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.80%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.202 | 152   | 96668    | 4.91     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.20%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 85029    | 5.01     | ug/L   | 100      |
| 3) Chloromethane              | 1.520  | 50    | 97069    | 4.87     | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607  | 62    | 86022    | 4.35     | ug/L   | 97       |
| 6) Bromomethane               | 1.861  | 94    | 49083    | 4.21     | ug/L   | 97       |
| 8) Chloroethane               | 1.935  | 64    | 46986    | 4.22     | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 2.141  | 101   | 113144   | 4.93     | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.585  | 101   | 81591    | 5.22     | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.585  | 96    | 39522    | 2.57     | ug/L   | 92       |
| 13) Acetone                   | 2.649  | 43    | 144479   | 69.66    | ug/L   | 99       |
| 14) Carbon disulfide          | 2.800  | 76    | 261942   | 5.09     | ug/L   | 100      |
| 15) Methyl Acetate            | 2.961  | 43    | 35094    | 5.69     | ug/L   | 97       |
| 16) Methylene chloride        | 3.054  | 84    | 90843    | 3.98     | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 3.372  | 73    | 179420   | 5.15     | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 57638    | 3.57     | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.880  | 63    | 198292   | 6.79     | ug/L   | 99       |
| 21) 2-Butanone                | 4.720  | 43    | 240078   | 60.53    | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.675  | 96    | 118455   | 6.98     | ug/L   | 97       |
| 23) Bromochloromethane        | 4.983  | 128   | 44595    | 5.58     | ug/L   | 91       |
| 25) Chloroform                | 5.099  | 83    | 160704   | 5.56     | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052021\  
 Data File : VU043837.D  
 Acq On : 19 May 2021 19:26  
 Operator : SY/MD  
 Sample : M2464-03MSD  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

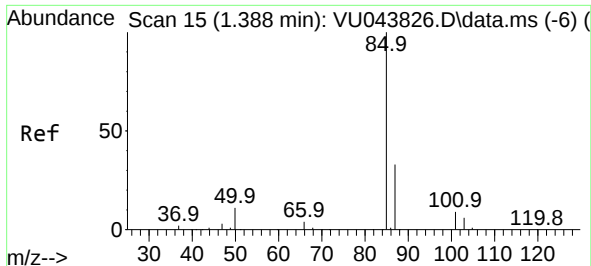
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB3Y6MSD

Quant Time: May 20 03:57:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR051521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 20 03:54:53 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 98115    | 5.51  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97   | 903266   | 38.22 | ug/L   | 98       |
| 30) Cyclohexane               | 5.398  | 56   | 130365   | 4.97  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 110530   | 5.60  | ug/L   | 100      |
| 33) Benzene                   | 5.784  | 78   | 352308   | 5.37  | ug/L   | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 86920    | 5.17  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.771  | 83   | 130468   | 4.99  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 90098    | 5.25  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.115  | 83   | 111085   | 5.55  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.617  | 75   | 124718   | 5.47  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.800  | 43   | 566488   | 51.80 | ug/L   | 96       |
| 42) Toluene                   | 7.977  | 91   | 360904   | 5.24  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.218  | 75   | 93341    | 4.75  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 66579    | 5.40  | ug/L   | 99       |
| 47) Tetrachloroethene         | 8.562  | 164  | 152052   | 11.18 | ug/L   | 99       |
| 48) 2-Hexanone                | 8.694  | 43   | 430035   | 53.00 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.819  | 129  | 81357    | 5.92  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.932  | 107  | 62891    | 5.43  | ug/L   | 99       |
| 51) Chlorobenzene             | 9.452  | 112  | 234753   | 5.46  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.578  | 91   | 332390   | 4.72  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.703  | 106  | 36542    | 1.36  | ug/L   | 89       |
| 54) o-Xylene                  | 10.108 | 106  | 110855   | 4.33  | ug/L   | 97       |
| 55) Styrene                   | 10.105 | 104  | 7526     | 0.17  | ug/L # | 1        |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 84769    | 5.42  | ug/L   | 99       |
| 59) Bromoform                 | 10.298 | 173  | 45279    | 5.69  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.491 | 105  | 316098   | 4.87  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.832 | 75   | 60982    | 5.40  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.491 | 105  | 316098   | 6.05  | ug/L # | 67       |
| 63) 1,2,4-Trimethylbenzene    | 10.491 | 105  | 316098   | 5.91  | ug/L # | 72       |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 178704   | 5.34  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.845 | 146  | 182227   | 5.42  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 181449   | 5.65  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 13.005 | 75   | 12270    | 5.30  | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 145895   | 5.47  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.848 | 180  | 123708   | 5.63  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 113221   | 5.43  | ug/L   | 100      |

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

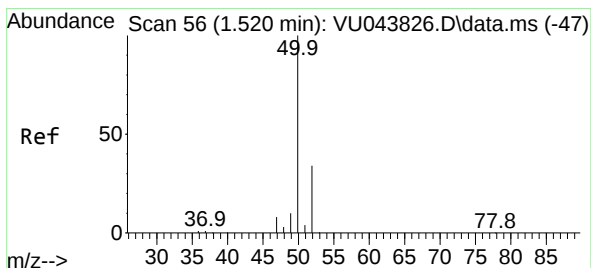
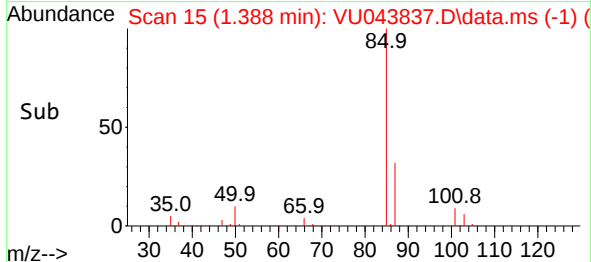
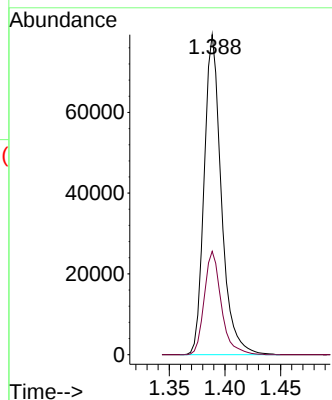
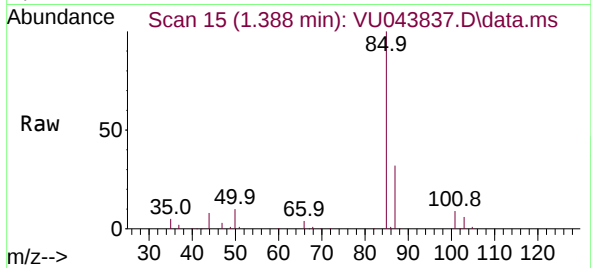




#2  
Dichlorodifluoromethane  
Concen: 5.01 ug/L  
RT: 1.388 min Scan# 15  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

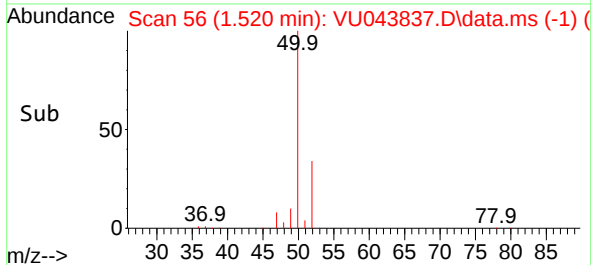
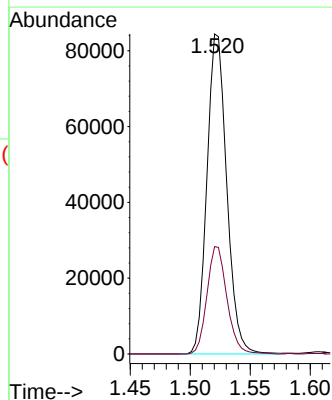
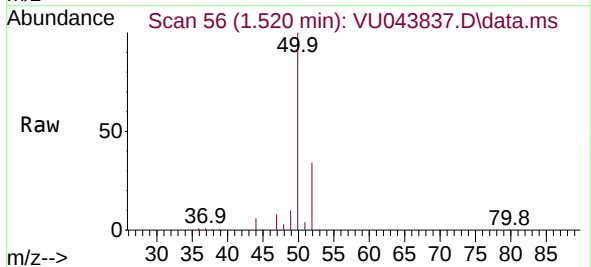
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

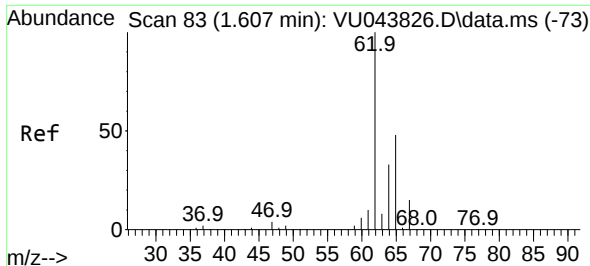
Tgt Ion: 85 Resp: 85029  
Ion Ratio Lower Upper  
85 100  
87 32.0 25.5 38.3



#3  
Chloromethane  
Concen: 4.87 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Tgt Ion: 50 Resp: 97069  
Ion Ratio Lower Upper  
50 100  
52 33.6 23.2 43.2

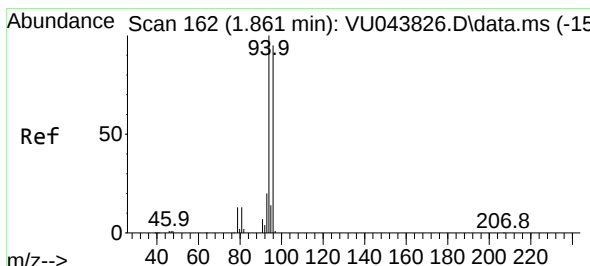
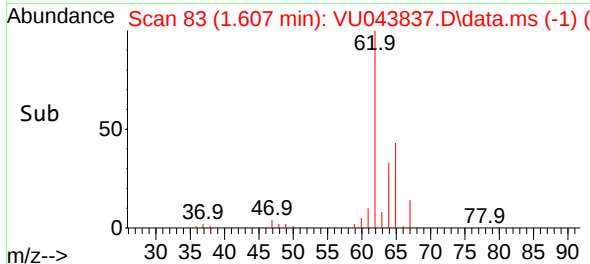
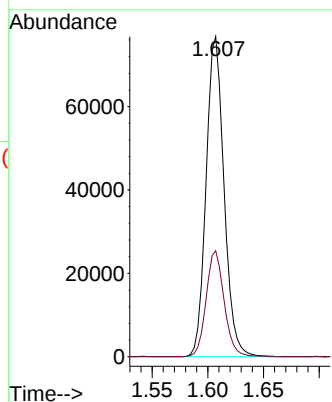
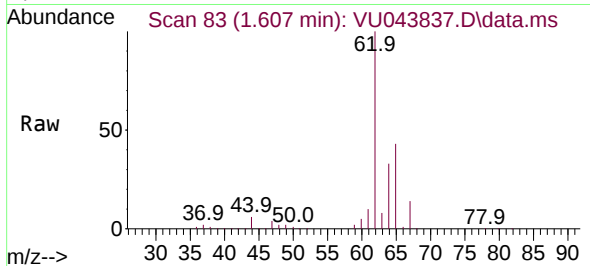




#5  
 Vinyl chloride  
 Concen: 4.35 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. 0.000 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

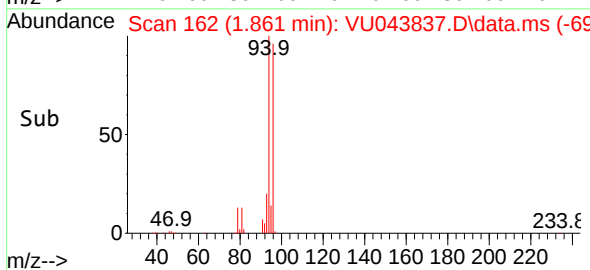
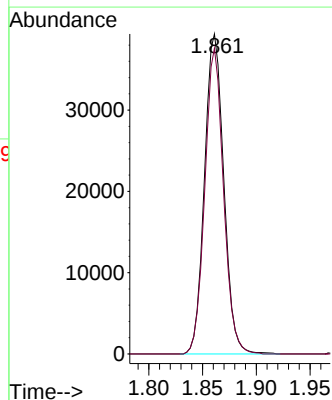
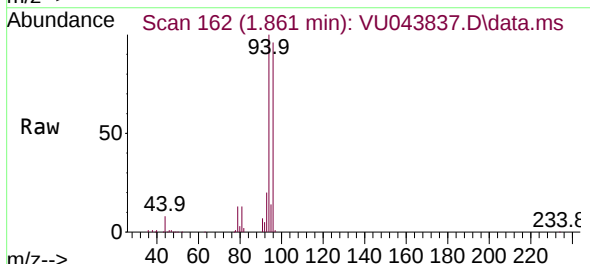
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB3Y6MSD

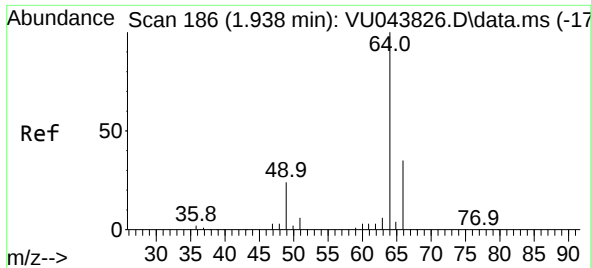
Tgt Ion: 62 Resp: 86022  
 Ion Ratio Lower Upper  
 62 100  
 64 33.1 22.1 41.1



#6  
 Bromomethane  
 Concen: 4.21 ug/L  
 RT: 1.861 min Scan# 162  
 Delta R.T. 0.000 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

Tgt Ion: 94 Resp: 49083  
 Ion Ratio Lower Upper  
 94 100  
 96 95.5 65.0 120.8

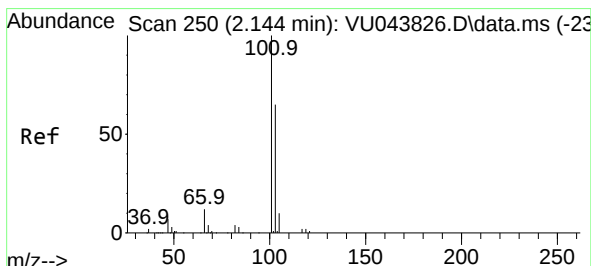
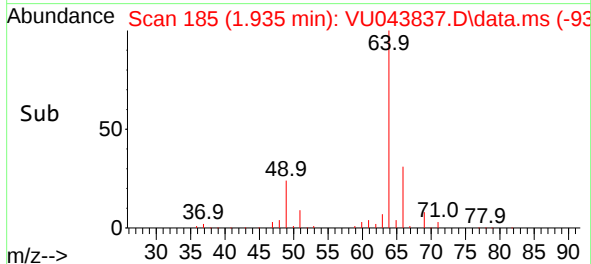
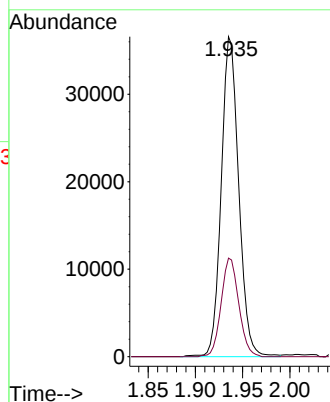
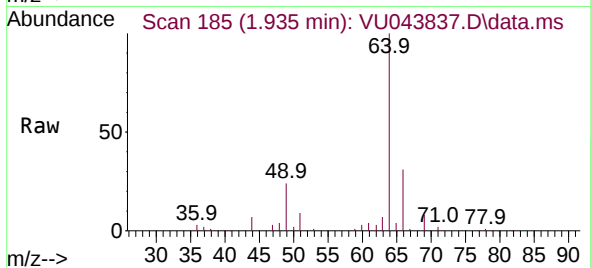




#8  
Chloroethane  
Concen: 4.22 ug/L  
RT: 1.935 min Scan# 185  
Delta R.T. -0.003 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

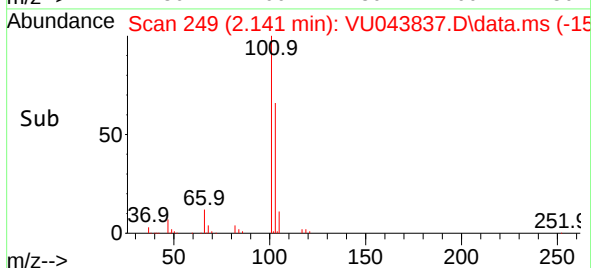
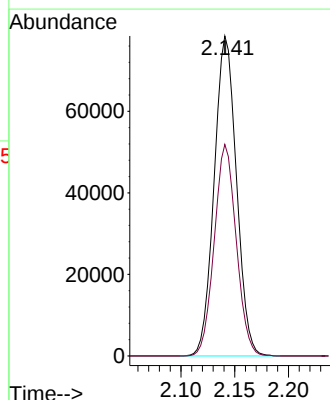
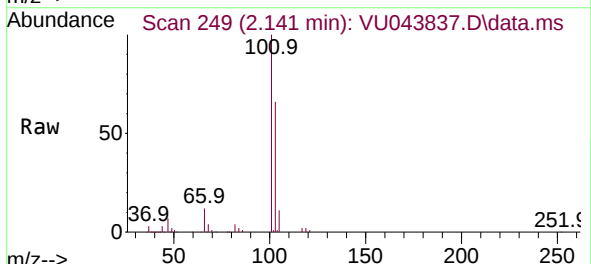
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

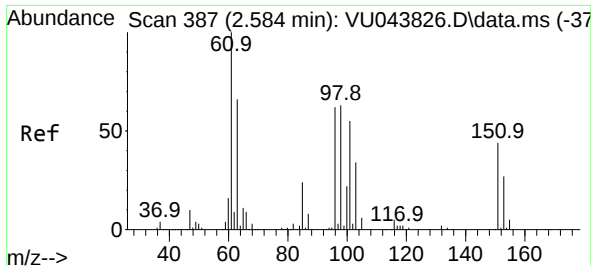
Tgt Ion: 64 Resp: 46986  
Ion Ratio Lower Upper  
64 100  
66 30.8 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 4.93 ug/L  
RT: 2.141 min Scan# 249  
Delta R.T. -0.003 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Tgt Ion: 101 Resp: 113144  
Ion Ratio Lower Upper  
101 100  
103 65.1 52.1 78.1

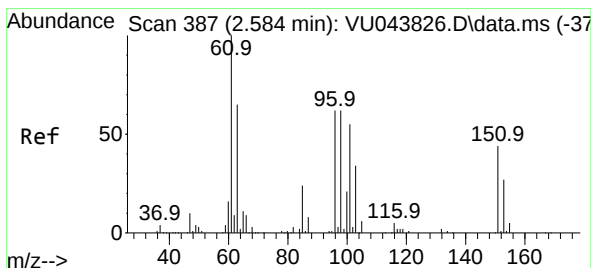
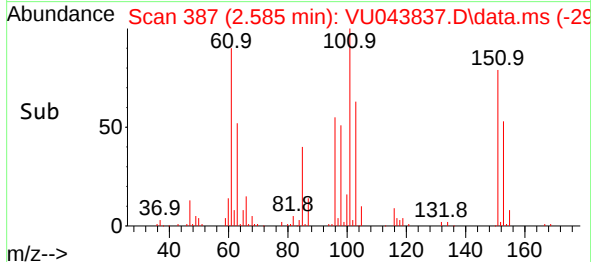
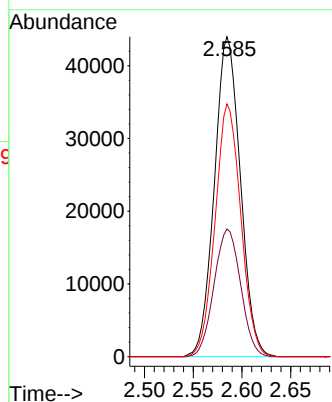
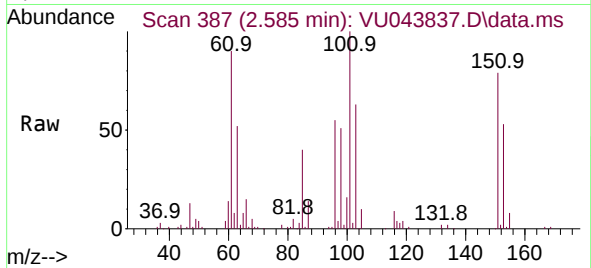




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.22 ug/L  
 RT: 2.585 min Scan# 387  
 Delta R.T. 0.000 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

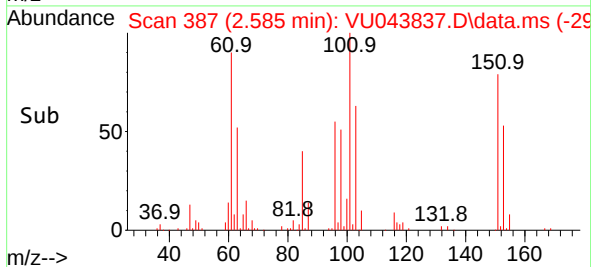
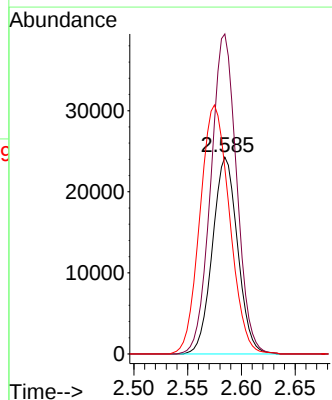
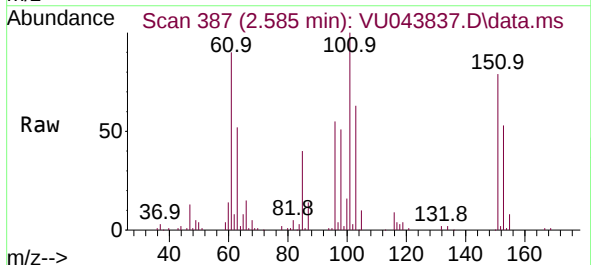
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB3Y6MSD

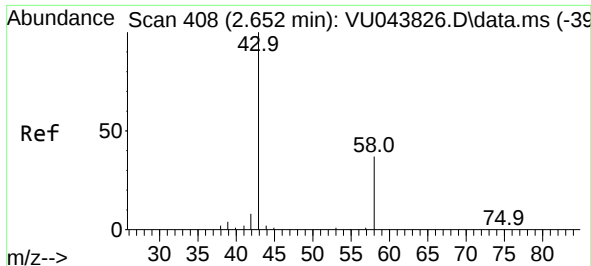
Tgt Ion:101 Resp: 81591  
 Ion Ratio Lower Upper  
 101 100  
 85 40.8 34.3 51.5  
 151 78.2 62.7 94.1



#12  
 1,1-Dichloroethene  
 Concen: 2.57 ug/L  
 RT: 2.585 min Scan# 387  
 Delta R.T. 0.000 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

Tgt Ion: 96 Resp: 39522  
 Ion Ratio Lower Upper  
 96 100  
 61 162.6 117.5 218.1  
 63 94.5 77.3 143.7

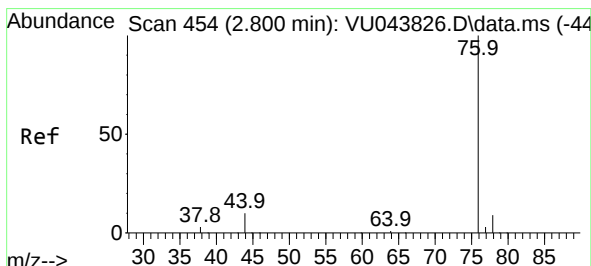
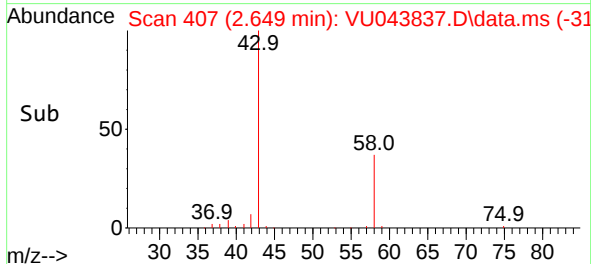
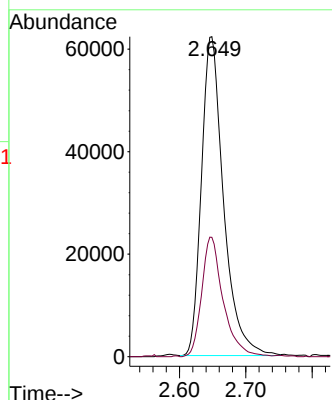
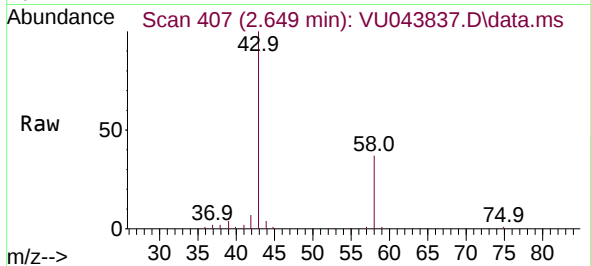




#13  
Acetone  
Concen: 69.66 ug/L  
RT: 2.649 min Scan# 407  
Delta R.T. -0.003 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

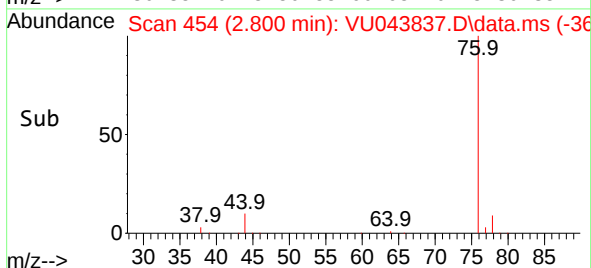
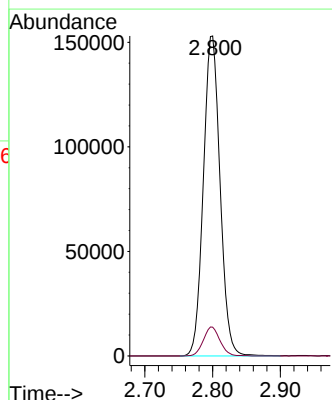
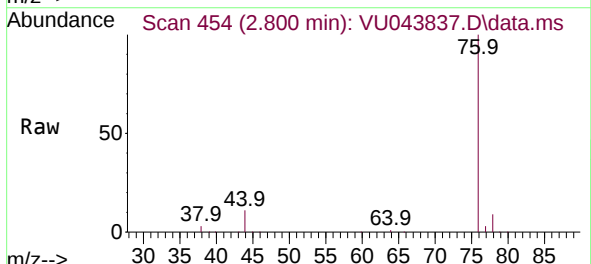
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

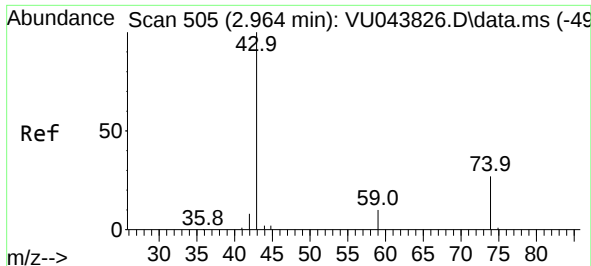
Tgt Ion: 43 Resp: 144479  
Ion Ratio Lower Upper  
43 100  
58 36.3 0.0 71.6



#14  
Carbon disulfide  
Concen: 5.09 ug/L  
RT: 2.800 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Tgt Ion: 76 Resp: 261942  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.2 10.8

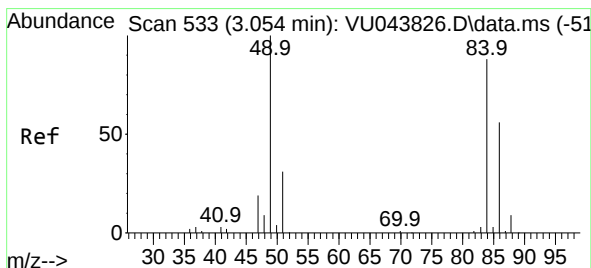
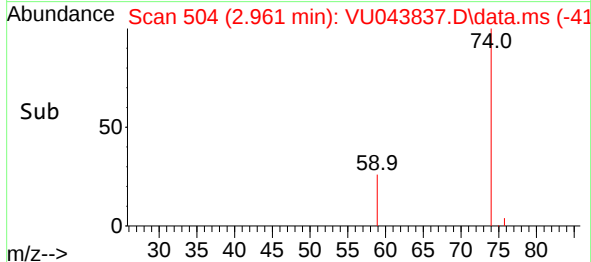
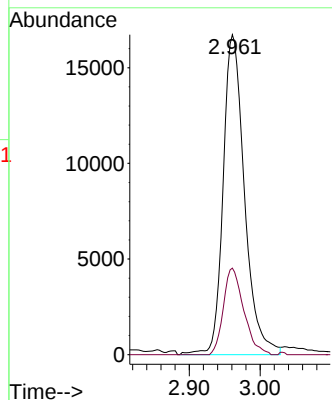
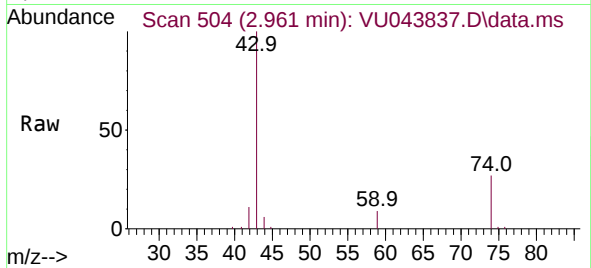




#15  
Methyl Acetate  
Concen: 5.69 ug/L  
RT: 2.961 min Scan# 504  
Delta R.T. -0.003 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

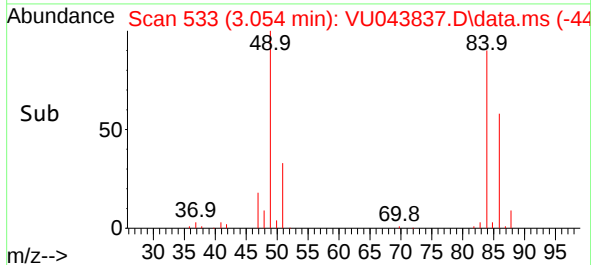
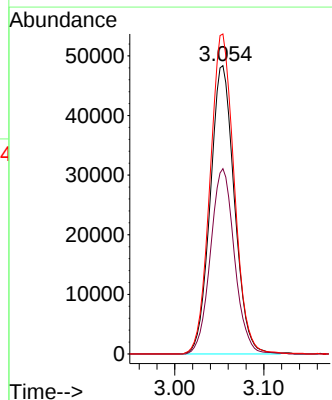
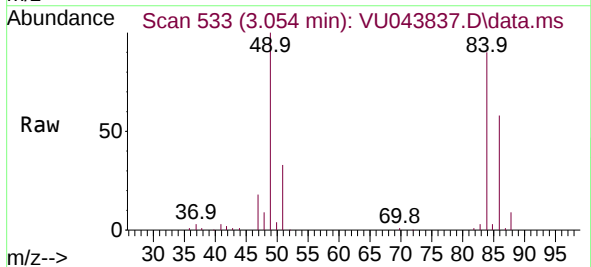
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

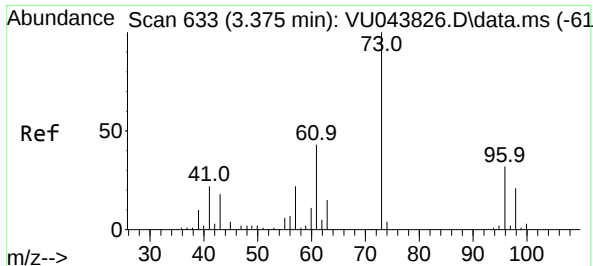
Tgt Ion: 43 Resp: 35094  
Ion Ratio Lower Upper  
43 100  
74 25.7 19.3 28.9



#16  
Methylene chloride  
Concen: 3.98 ug/L  
RT: 3.054 min Scan# 533  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Tgt Ion: 84 Resp: 90843  
Ion Ratio Lower Upper  
84 100  
86 64.2 44.7 82.9  
49 111.0 83.1 154.3



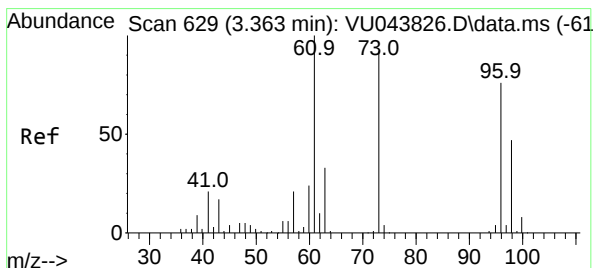
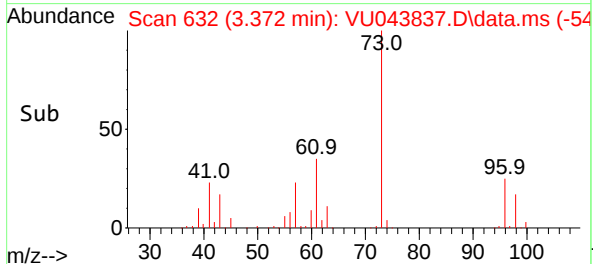
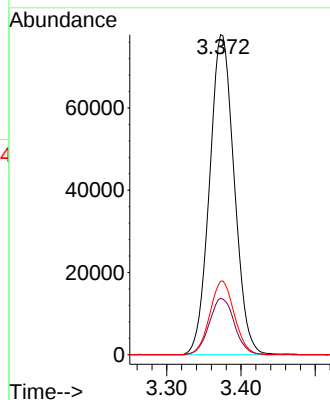
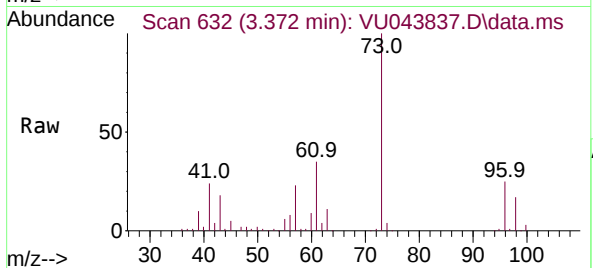


#17

Methyl tert-butyl Ether  
Concen: 5.15 ug/L  
RT: 3.372 min Scan# 632  
Delta R.T. -0.003 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

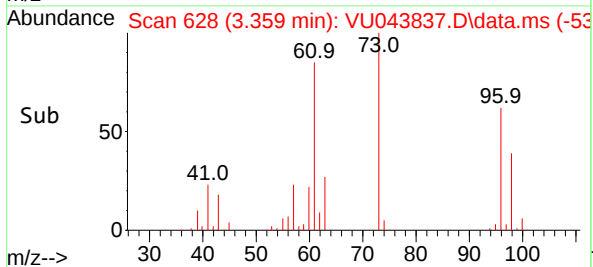
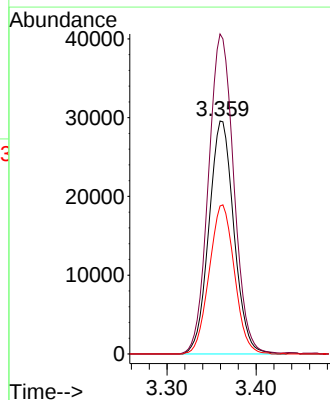
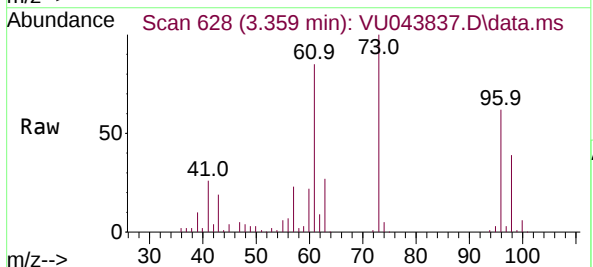
|             |              |
|-------------|--------------|
| Tgt Ion: 73 | Resp: 179420 |
| Ion Ratio   | Lower Upper  |
| 73 100      |              |
| 43 18.0     | 15.0 22.4    |
| 57 22.9     | 18.6 27.8    |

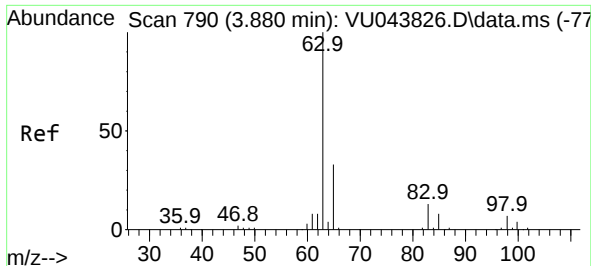


#18

trans-1,2-Dichloroethene  
Concen: 3.57 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. -0.003 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 57638 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 137.4    | 99.6 185.0  |
| 98 63.5     | 43.8 81.4   |





#19

1,1-Dichloroethane

Concen: 6.79 ug/L

RT: 3.880 min Scan# 790

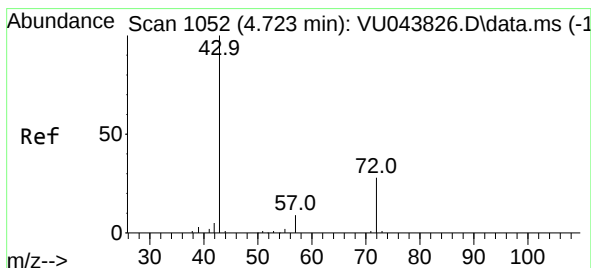
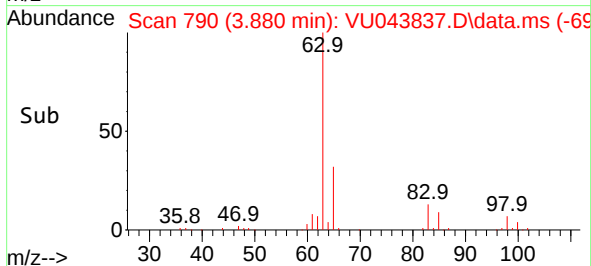
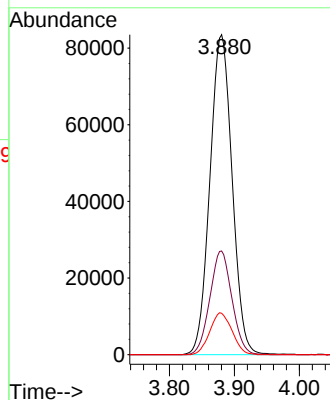
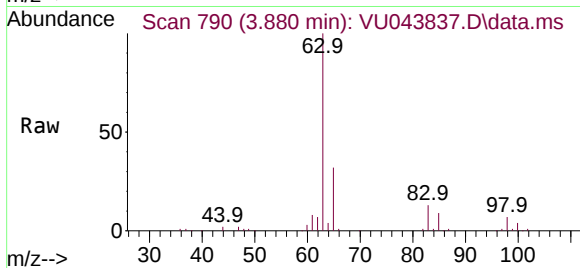
Delta R.T. 0.000 min

Lab File: VU043837.D

Acq: 19 May 2021 19:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 198292 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 32.4  | 22.3  | 41.3   |
| 83       | 13.0  | 9.0   | 16.8   |

Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD



#21

2-Butanone

Concen: 60.53 ug/L

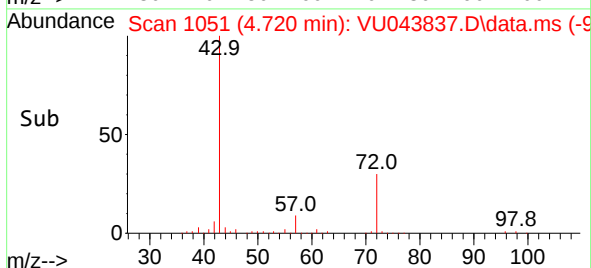
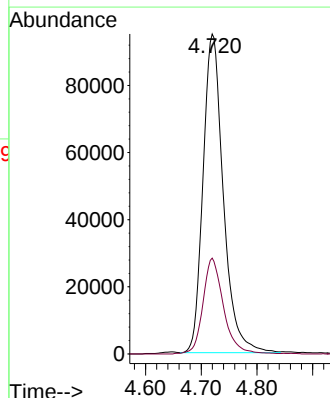
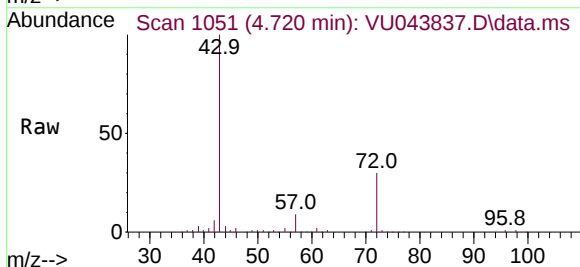
RT: 4.720 min Scan# 1051

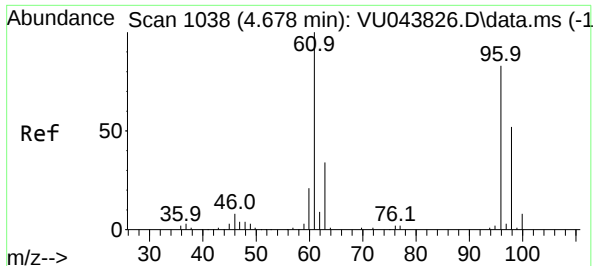
Delta R.T. -0.003 min

Lab File: VU043837.D

Acq: 19 May 2021 19:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 240078 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 72       | 30.5  | 14.5  | 43.6   |

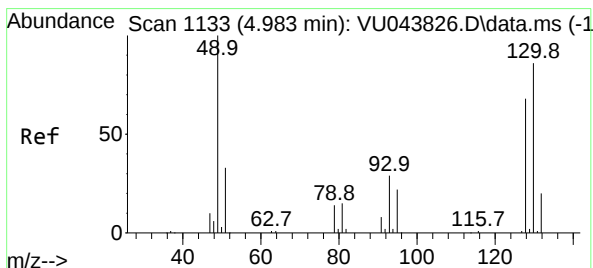
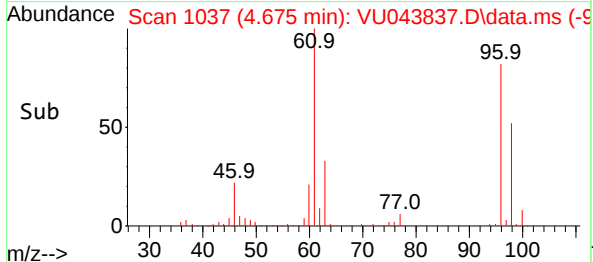
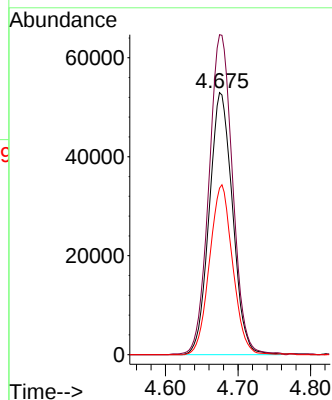
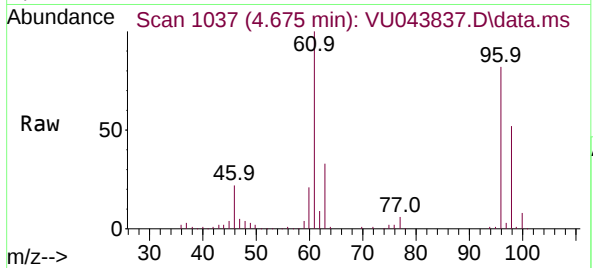




#22  
 cis-1,2-Dichloroethene  
 Concen: 6.98 ug/L  
 RT: 4.675 min Scan# 1037  
 Delta R.T. -0.003 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

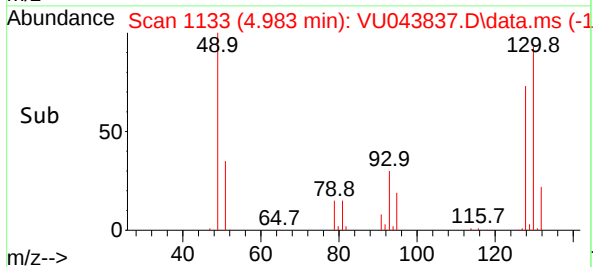
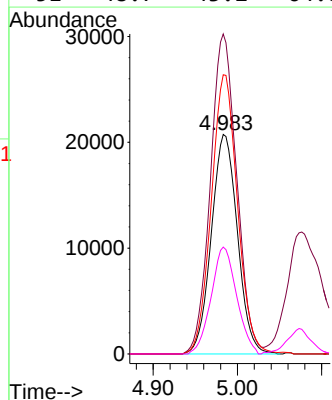
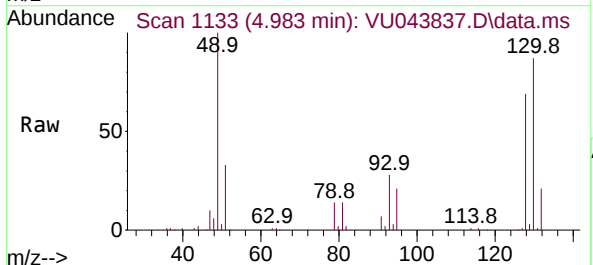
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB3Y6MSD

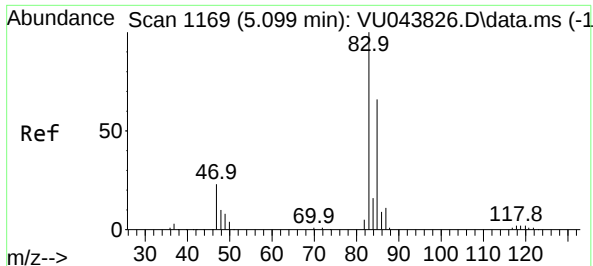
Tgt Ion: 96 Resp: 118455  
 Ion Ratio Lower Upper  
 96 100  
 61 122.1 89.0 165.4  
 98 63.5 44.9 83.3



#23  
 Bromochloromethane  
 Concen: 5.58 ug/L  
 RT: 4.983 min Scan# 1133  
 Delta R.T. 0.000 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

Tgt Ion: 128 Resp: 44595  
 Ion Ratio Lower Upper  
 128 100  
 49 145.8 114.7 212.9  
 130 127.2 91.7 170.3  
 51 48.7 43.2 64.8





#25

Chloroform

Concen: 5.56 ug/L

RT: 5.099 min Scan# 1169

Delta R.T. 0.000 min

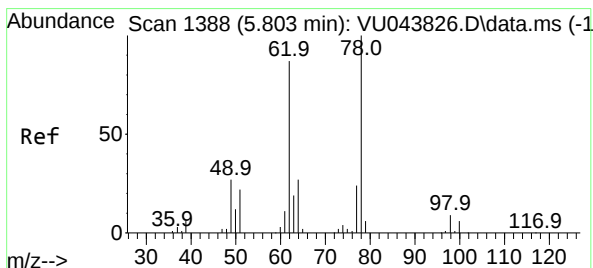
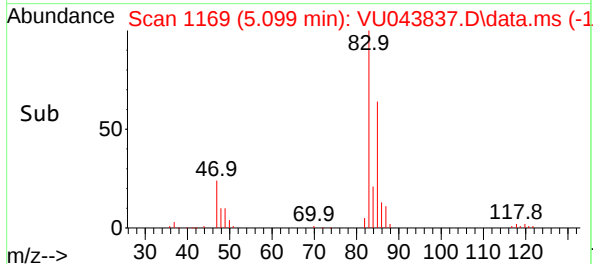
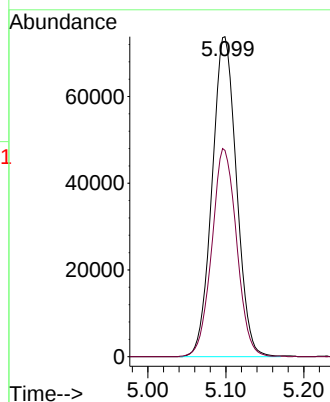
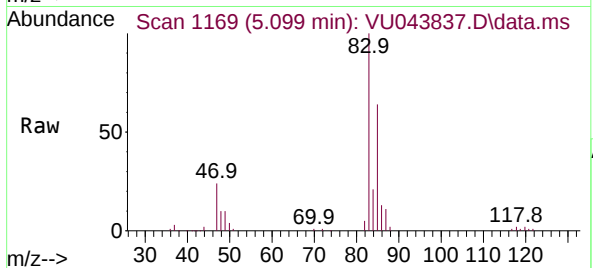
Lab File: VU043837.D

Acq: 19 May 2021 19:26

Instrument :  
MSVOA\_U  
ClientSampled :  
GB3Y6MSD

Tgt Ion: 83 Resp: 160704

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.5  | 45.0  | 83.6  |



#27

1,2-Dichloroethane

Concen: 5.51 ug/L

RT: 5.803 min Scan# 1388

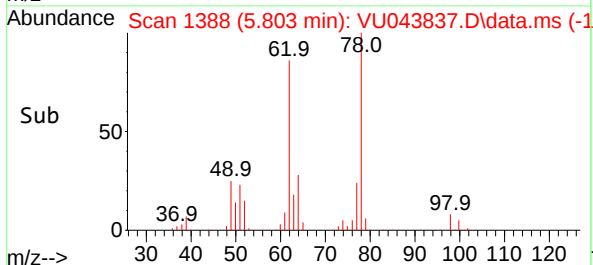
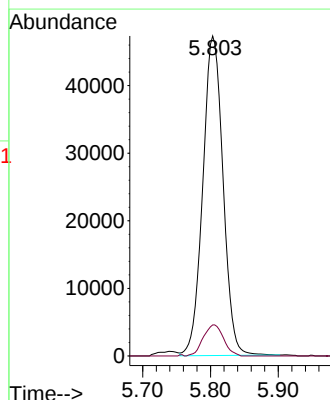
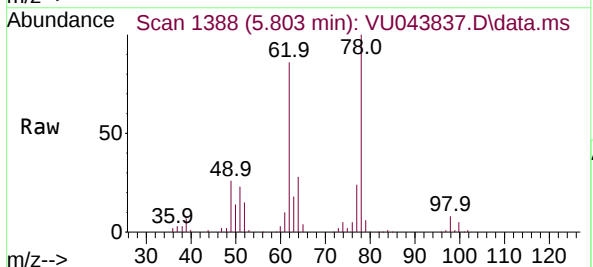
Delta R.T. 0.000 min

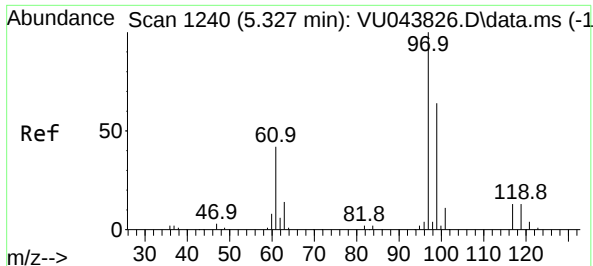
Lab File: VU043837.D

Acq: 19 May 2021 19:26

Tgt Ion: 62 Resp: 98115

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.7   | 7.7   | 11.5  |

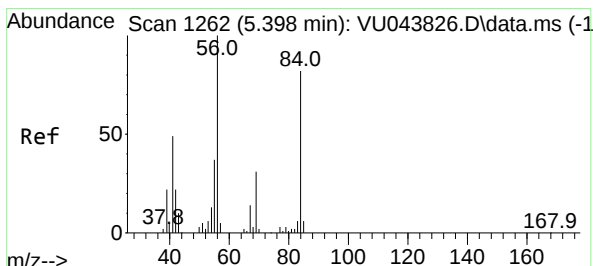
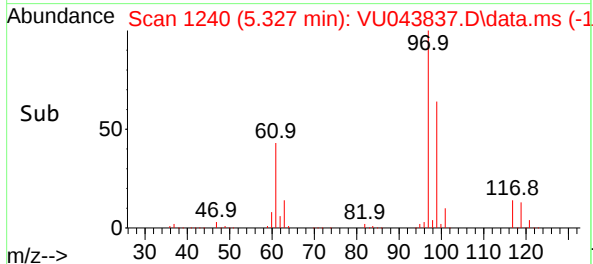
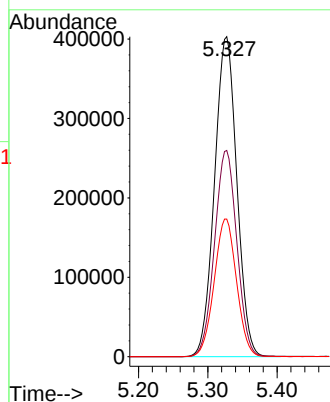
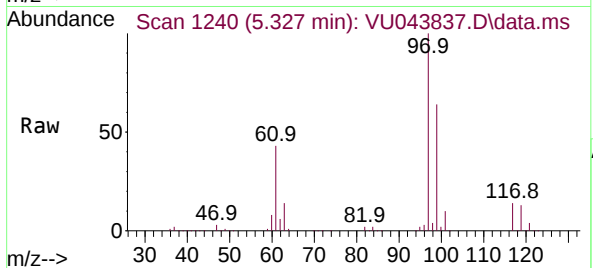




#29  
1,1,1-Trichloroethane  
Concen: 38.22 ug/L  
RT: 5.327 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

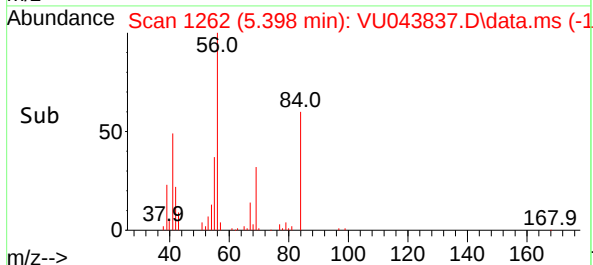
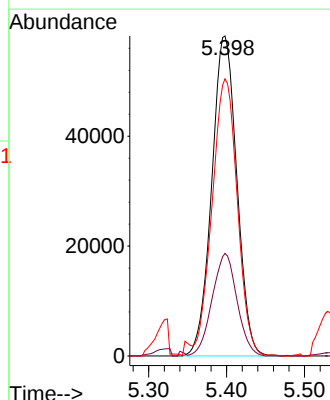
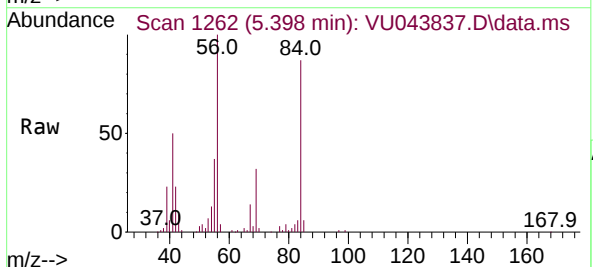
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

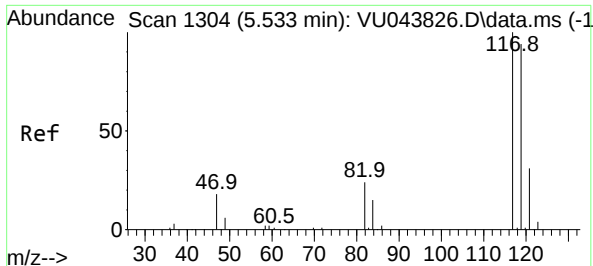
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 903266 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.5  | 51.1  | 76.7   |
| 61       | 43.2  | 37.0  | 55.4   |



#30  
Cyclohexane  
Concen: 4.97 ug/L  
RT: 5.398 min Scan# 1262  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 130365 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 31.8  | 24.8  | 37.2   |
| 84       | 87.0  | 66.8  | 100.2  |

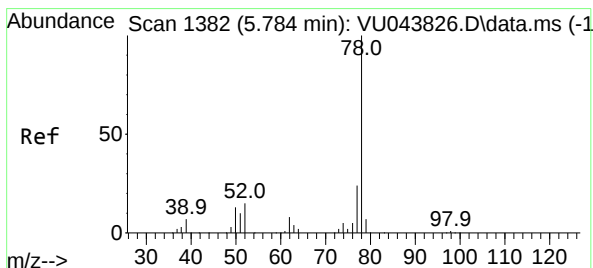
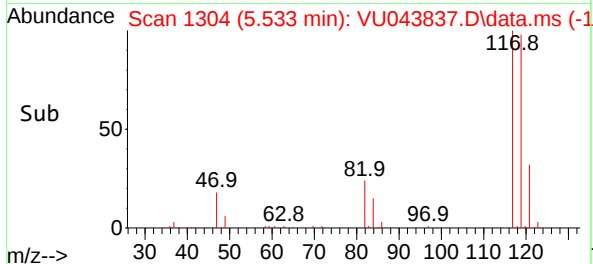
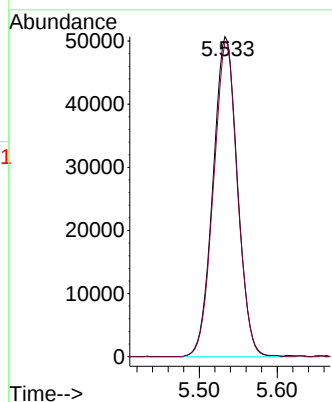
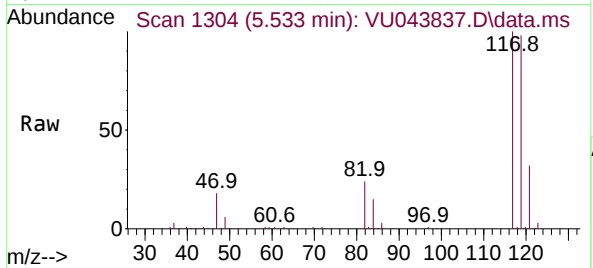




#31  
Carbon tetrachloride  
Concen: 5.60 ug/L  
RT: 5.533 min Scan# 1304  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

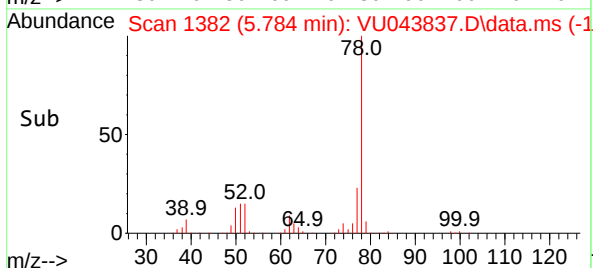
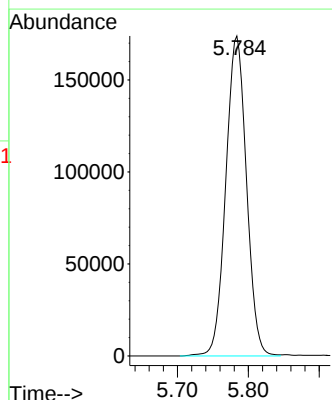
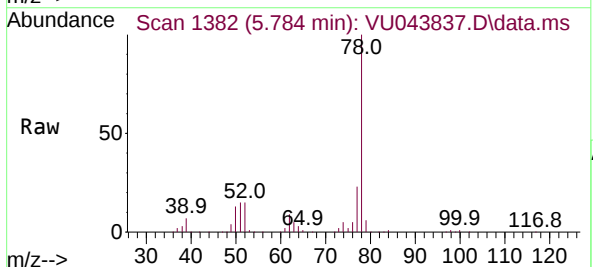
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

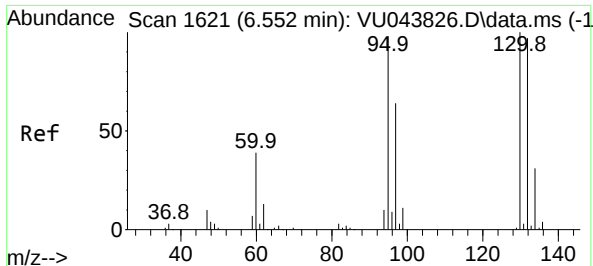
Tgt Ion:117 Resp: 110530  
Ion Ratio Lower Upper  
117 100  
119 96.7 77.4 116.0



#33  
Benzene  
Concen: 5.37 ug/L  
RT: 5.784 min Scan# 1382  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Tgt Ion: 78 Resp: 352308



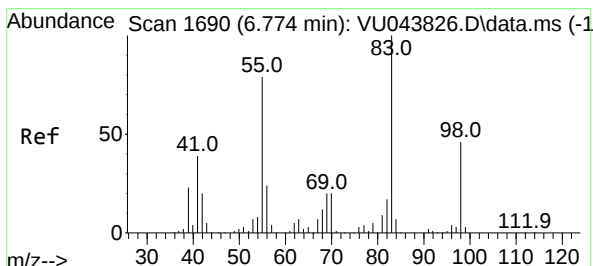
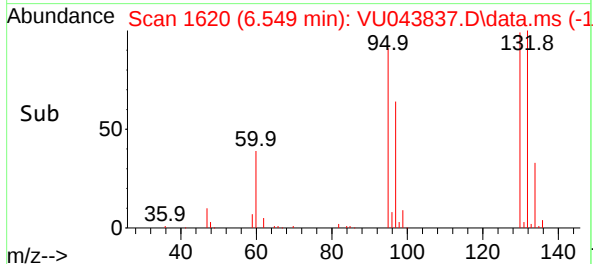
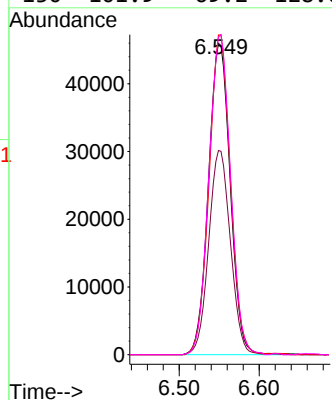
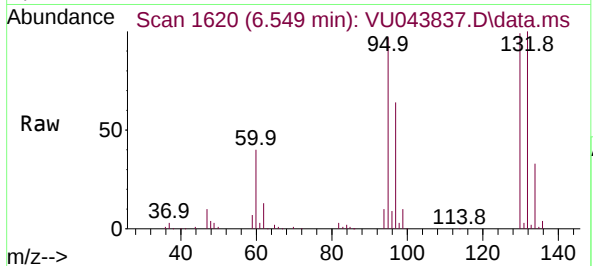


#34  
Trichloroethene  
Concen: 5.17 ug/L  
RT: 6.549 min Scan# 1620  
Delta R.T. -0.003 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

Tgt Ion: 95 Resp: 86920

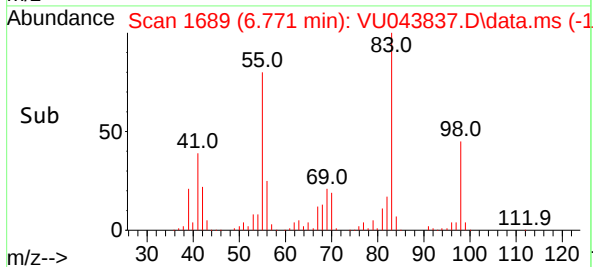
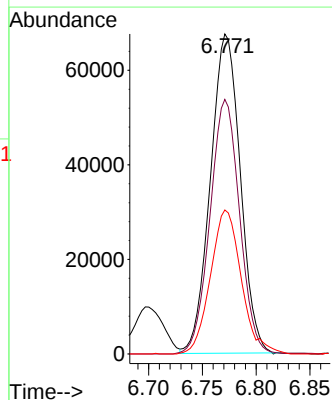
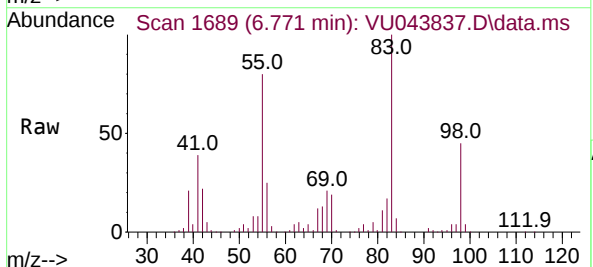
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.5  | 44.3  | 82.3  |
| 132 | 102.6 | 66.0  | 122.6 |
| 130 | 101.9 | 69.2  | 128.6 |

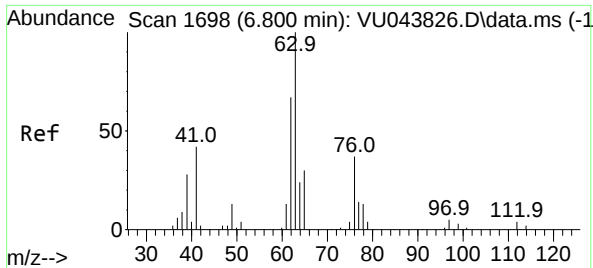


#35  
Methylcyclohexane  
Concen: 4.99 ug/L  
RT: 6.771 min Scan# 1689  
Delta R.T. -0.003 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Tgt Ion: 83 Resp: 130468

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 79.0  | 64.8  | 97.2  |
| 98  | 46.6  | 35.9  | 53.9  |

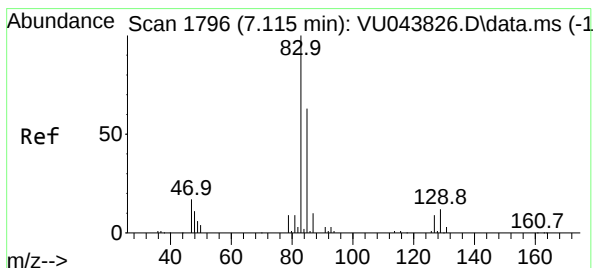
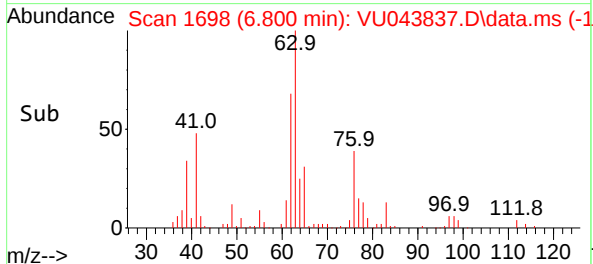
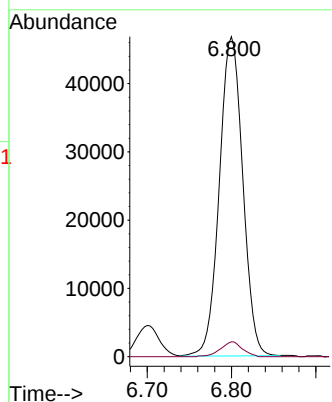
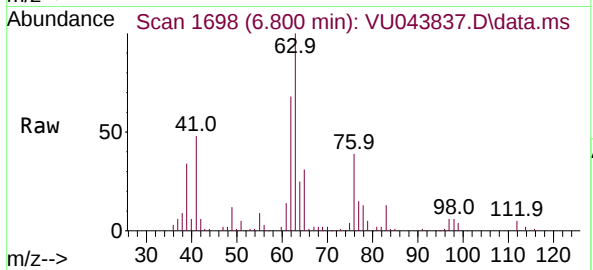




#37  
1,2-Dichloropropane  
Concen: 5.25 ug/L  
RT: 6.800 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

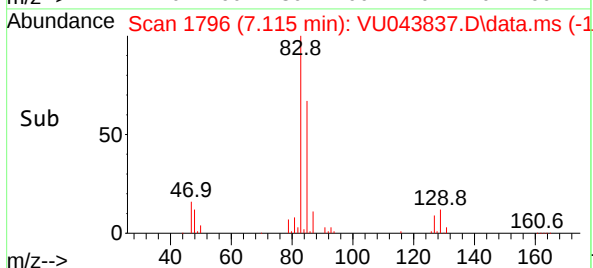
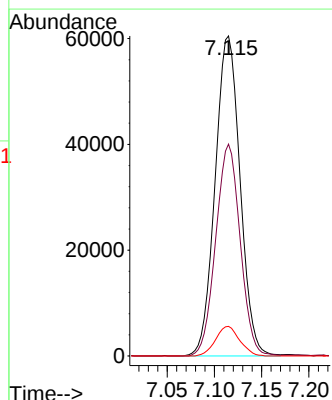
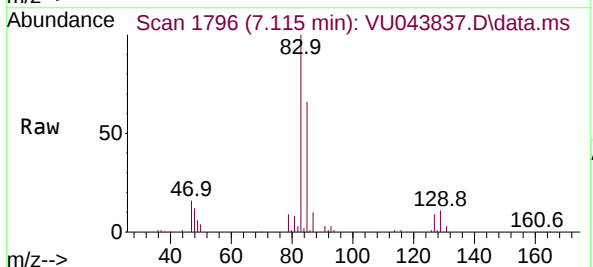
Instrument :  
MSVOA\_U  
ClientSampled :  
GB3Y6MSD

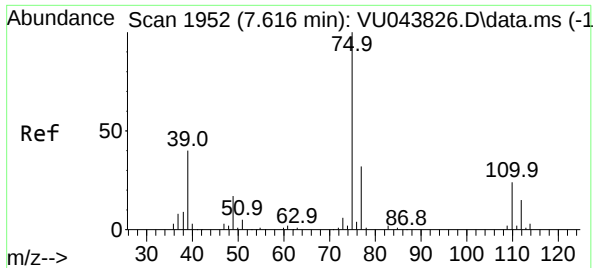
Tgt Ion: 63 Resp: 90098  
Ion Ratio Lower Upper  
63 100  
112 4.4 3.3 4.9



#38  
Bromodichloromethane  
Concen: 5.55 ug/L  
RT: 7.115 min Scan# 1796  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Tgt Ion: 83 Resp: 111085  
Ion Ratio Lower Upper  
83 100  
85 66.2 44.6 82.8  
127 9.3 7.0 10.4

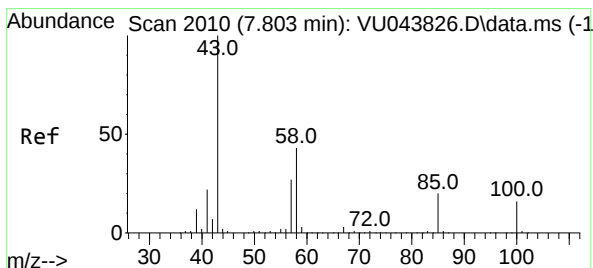
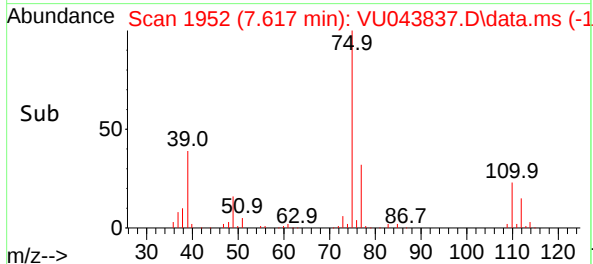
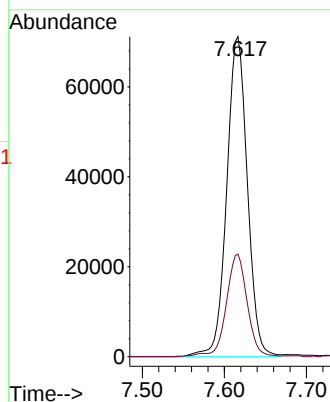
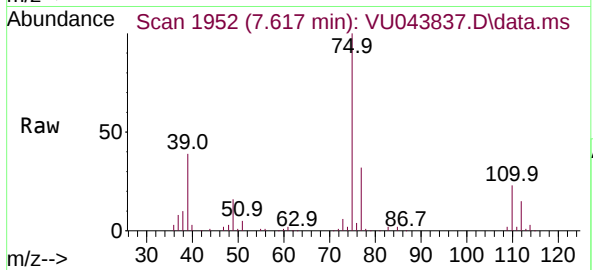




#39  
 cis-1,3-Dichloropropene  
 Concen: 5.47 ug/L  
 RT: 7.617 min Scan# 1952  
 Delta R.T. 0.000 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

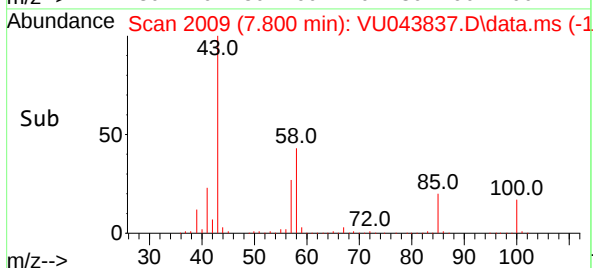
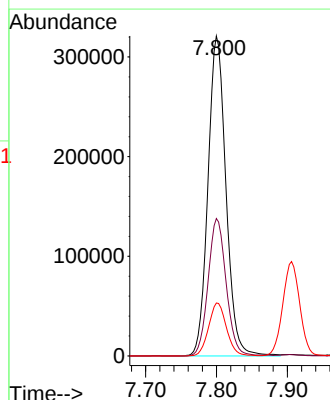
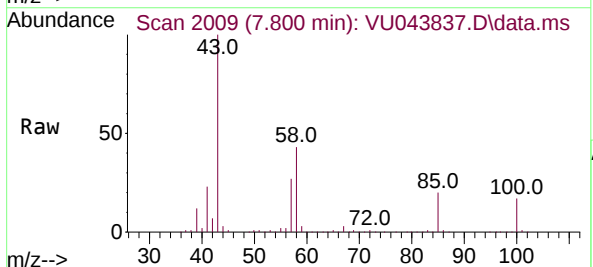
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB3Y6MSD

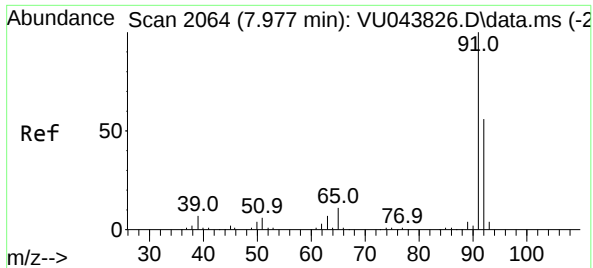
Tgt Ion: 75 Resp: 124718  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 22.5 41.7



#40  
 4-Methyl-2-pentanone  
 Concen: 51.80 ug/L  
 RT: 7.800 min Scan# 2009  
 Delta R.T. -0.003 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

Tgt Ion: 43 Resp: 566488  
 Ion Ratio Lower Upper  
 43 100  
 58 43.2 32.8 49.2  
 100 16.5 11.9 17.9

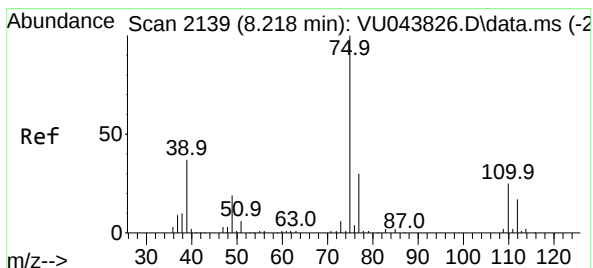
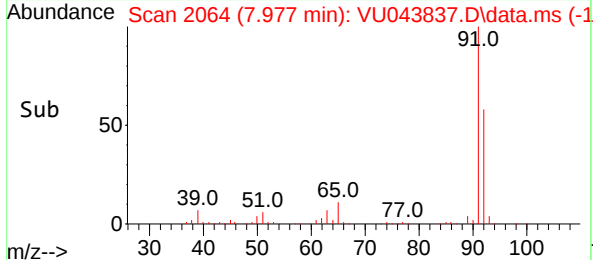
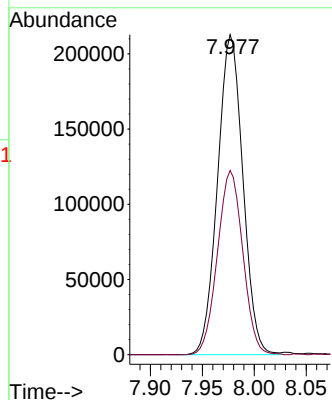
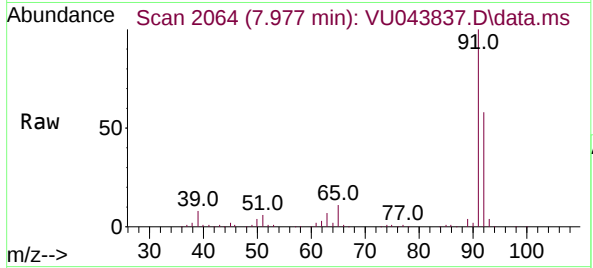




#42  
Toluene  
Concen: 5.24 ug/L  
RT: 7.977 min Scan# 2064  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

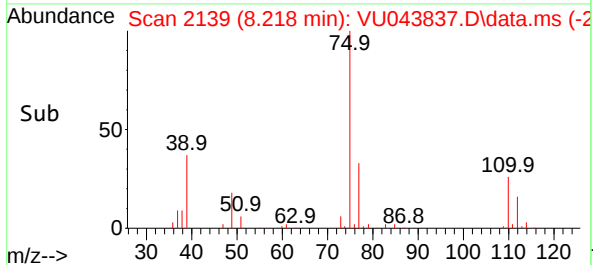
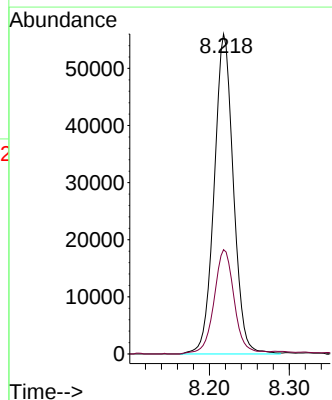
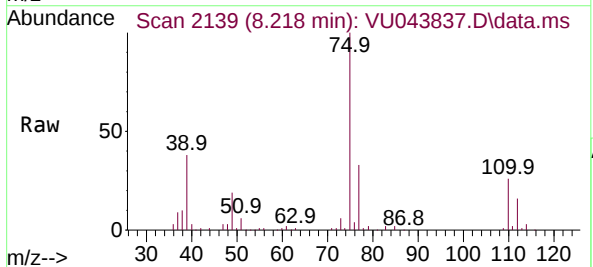
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

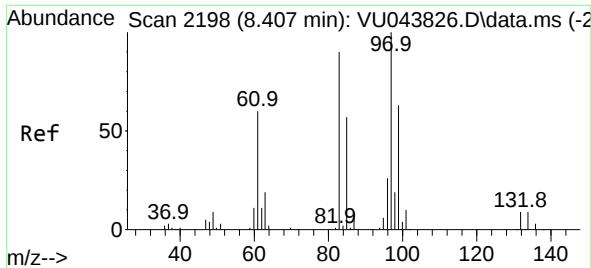
Tgt Ion: 91 Resp: 360904  
Ion Ratio Lower Upper  
91 100  
92 57.6 40.3 74.8



#44  
trans-1,3-Dichloropropene  
Concen: 4.75 ug/L  
RT: 8.218 min Scan# 2139  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Tgt Ion: 75 Resp: 93341  
Ion Ratio Lower Upper  
75 100  
77 32.6 21.5 39.9

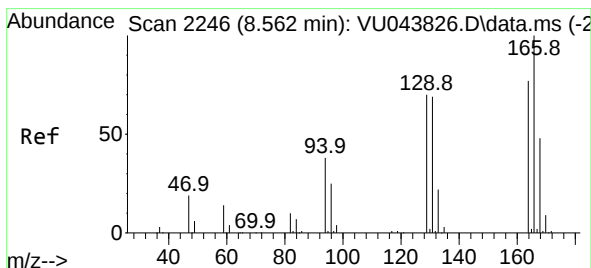
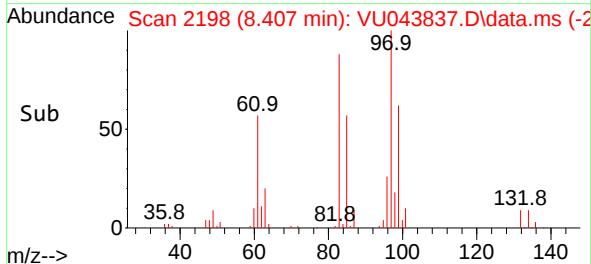
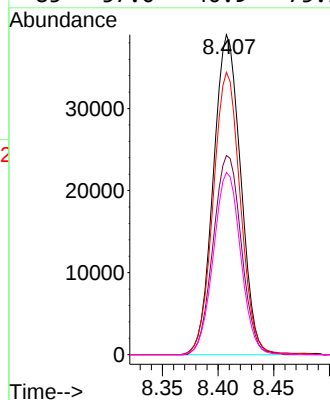
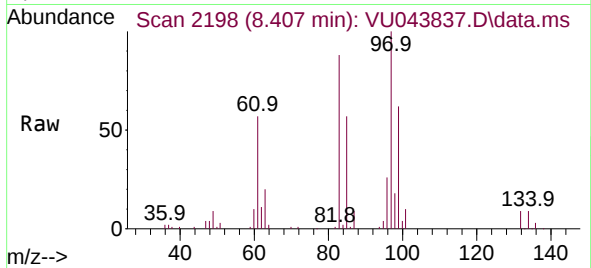




#45  
1,1,2-Trichloroethane  
Concen: 5.40 ug/L  
RT: 8.407 min Scan# 2198  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

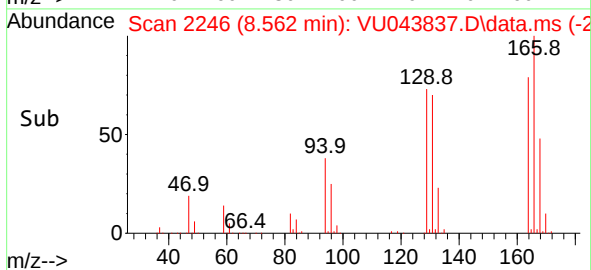
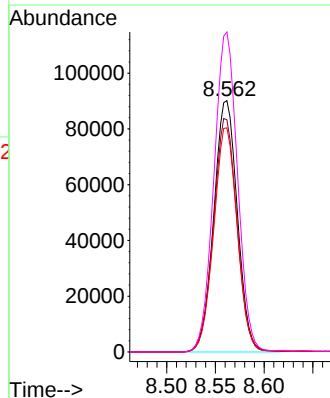
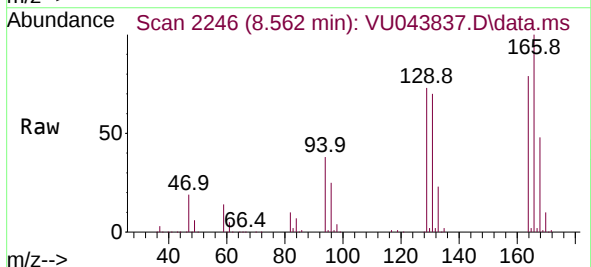
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

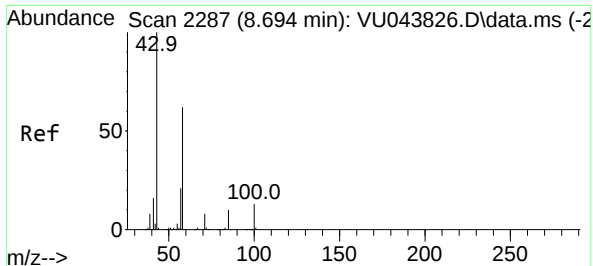
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 66579 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.2  | 43.8  | 81.4  |
| 83       | 88.3  | 62.5  | 116.1 |
| 85       | 57.0  | 40.9  | 75.9  |



#47  
Tetrachloroethene  
Concen: 11.18 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 152052 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 92.4  | 64.1  | 119.1  |
| 131      | 89.1  | 61.2  | 113.8  |
| 166      | 127.3 | 87.8  | 163.2  |





#48

2-Hexanone

Concen: 53.00 ug/L

RT: 8.694 min Scan# 2287

Delta R.T. 0.000 min

Lab File: VU043837.D

Acq: 19 May 2021 19:26

Tgt Ion: 43 Resp: 430035

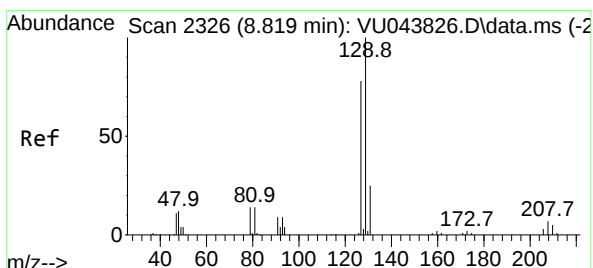
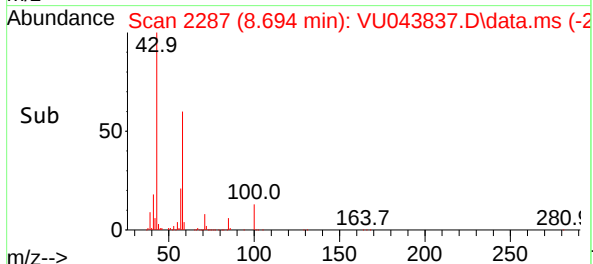
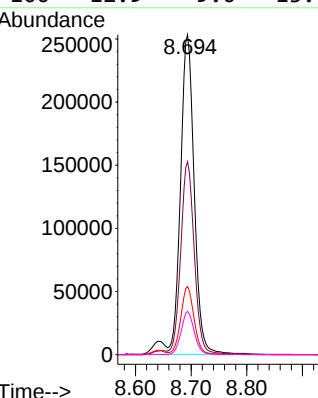
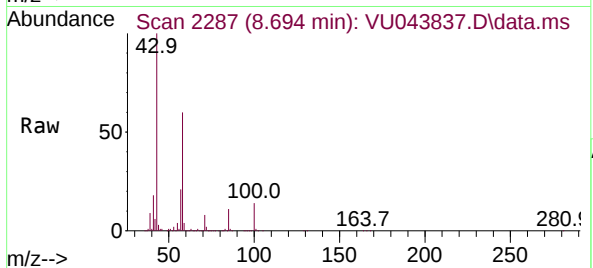
Ion Ratio Lower Upper

43 100

58 60.0 47.0 70.4

57 20.9 15.8 23.8

100 12.9 9.0 13.4



#49

Dibromochloromethane

Concen: 5.92 ug/L

RT: 8.819 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VU043837.D

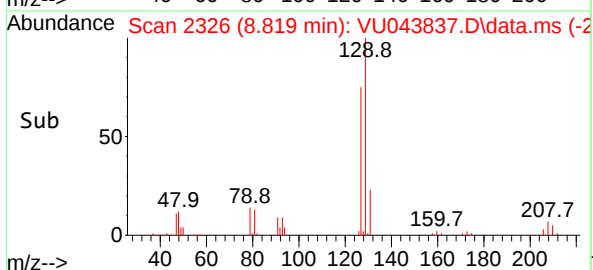
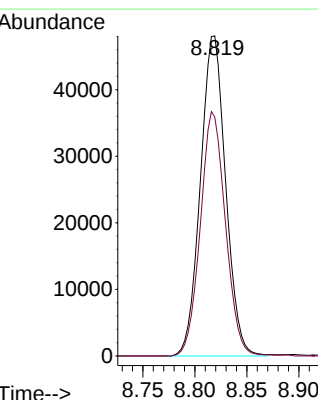
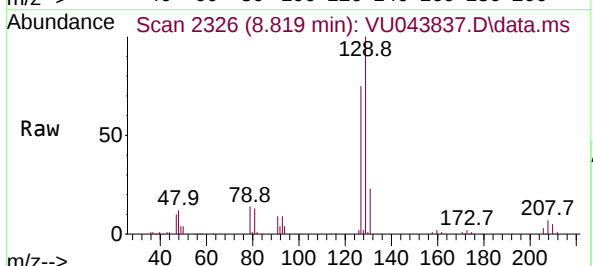
Acq: 19 May 2021 19:26

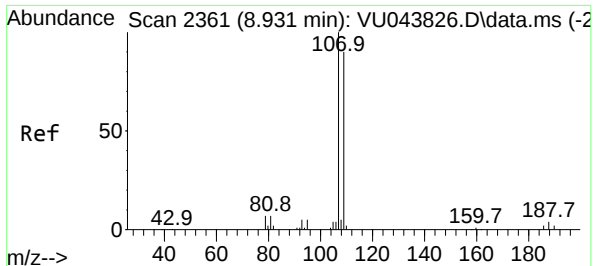
Tgt Ion: 129 Resp: 81357

Ion Ratio Lower Upper

129 100

127 74.7 53.4 99.2





#50

1,2-Dibromoethane

Concen: 5.43 ug/L

RT: 8.932 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VU043837.D

Acq: 19 May 2021 19:26

Instrument :

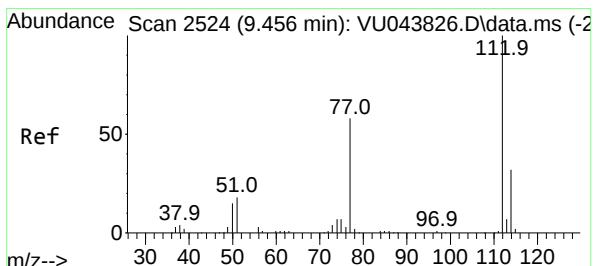
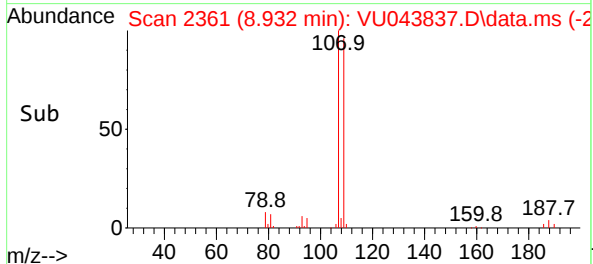
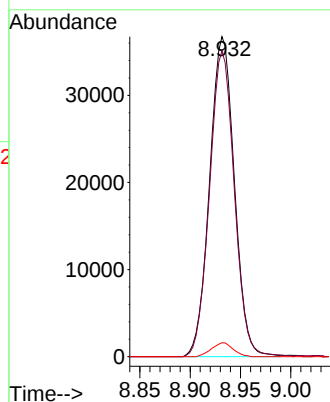
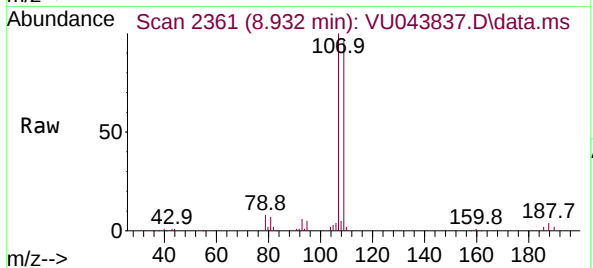
MSVOA\_U

ClientSampleId :

GB3Y6MSD

Tgt Ion:107 Resp: 62891

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 109 | 95.6  | 67.7  | 125.7 |
| 188 | 4.3   | 3.3   | 4.9   |



#51

Chlorobenzene

Concen: 5.46 ug/L

RT: 9.452 min Scan# 2523

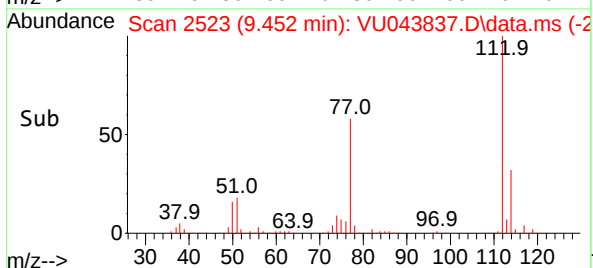
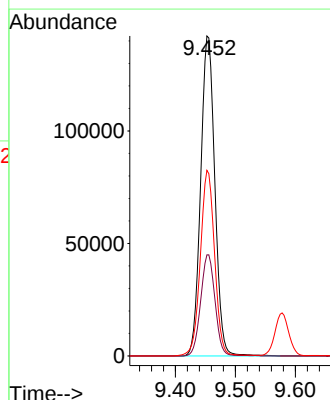
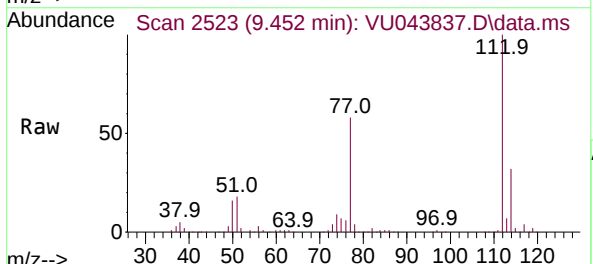
Delta R.T. -0.003 min

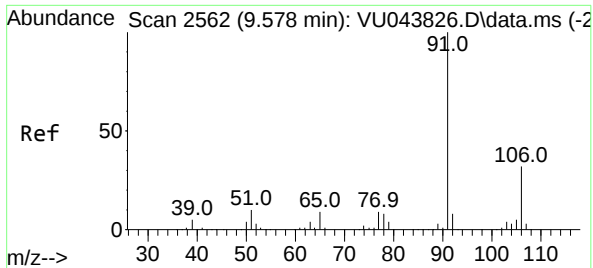
Lab File: VU043837.D

Acq: 19 May 2021 19:26

Tgt Ion:112 Resp: 234753

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 31.6  | 22.3  | 41.5  |
| 77  | 58.0  | 47.8  | 71.8  |

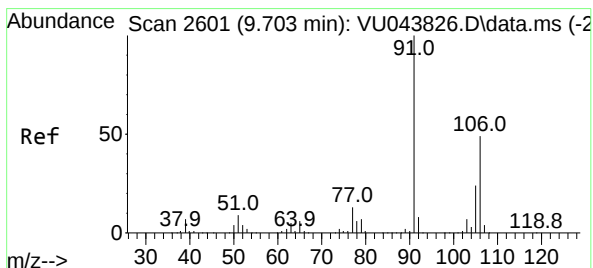
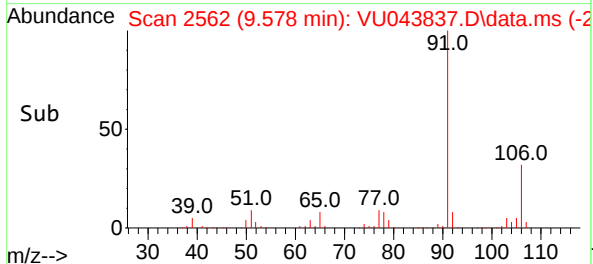
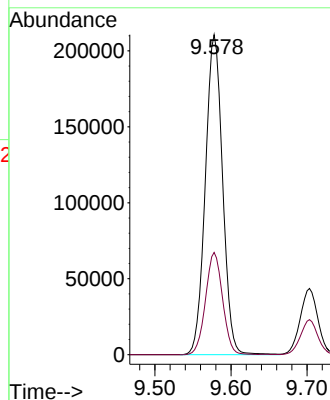
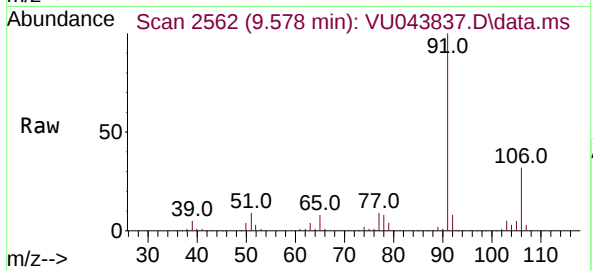




#52  
Ethylbenzene  
Concen: 4.72 ug/L  
RT: 9.578 min Scan# 2562  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

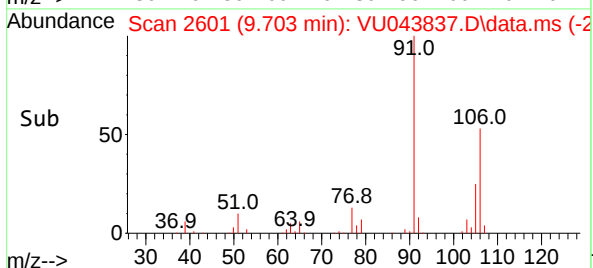
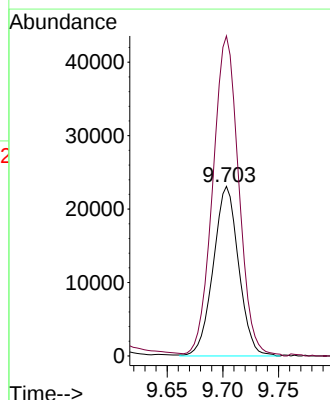
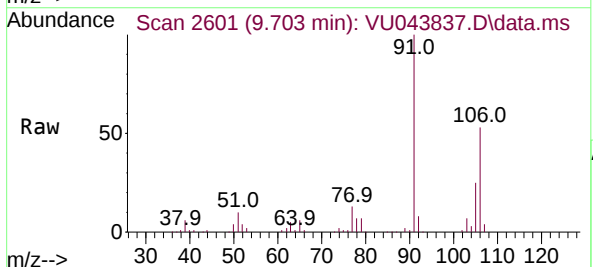
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

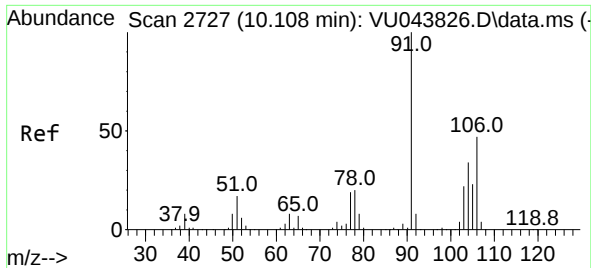
Tgt Ion: 91 Resp: 332390  
Ion Ratio Lower Upper  
91 100  
106 32.0 21.7 40.3



#53  
m,p-Xylene  
Concen: 1.36 ug/L  
RT: 9.703 min Scan# 2601  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Tgt Ion: 106 Resp: 36542  
Ion Ratio Lower Upper  
106 100  
91 188.7 144.4 268.2

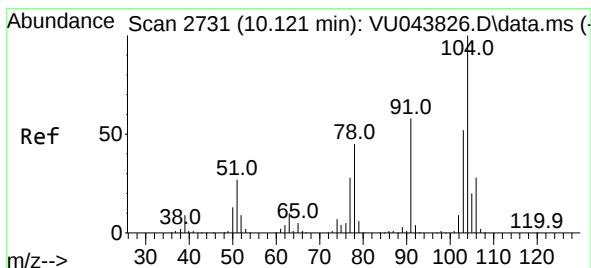
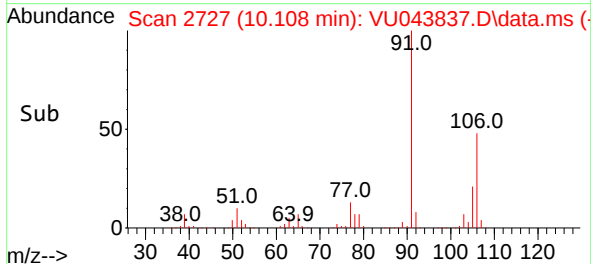
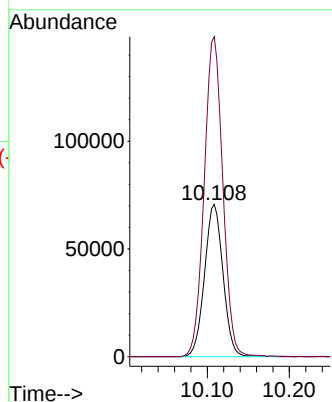
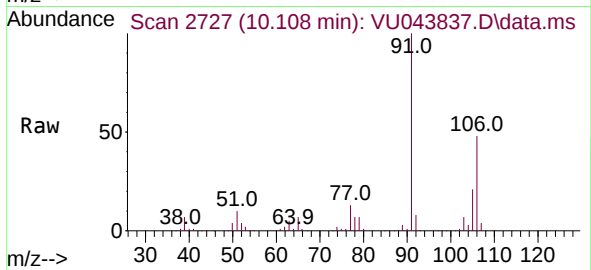




#54  
o-Xylene  
Concen: 4.33 ug/L  
RT: 10.108 min Scan# 2727  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

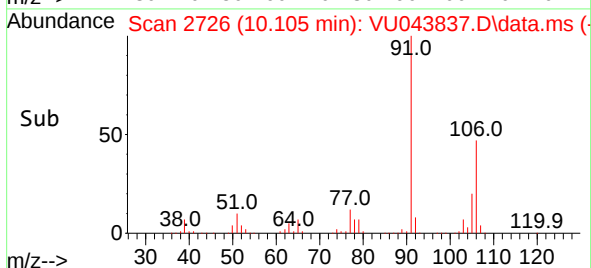
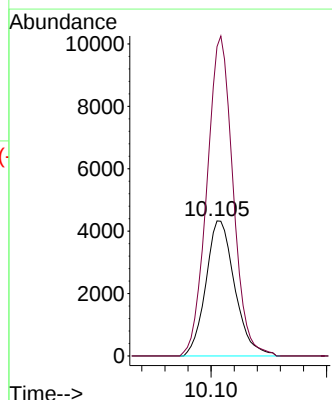
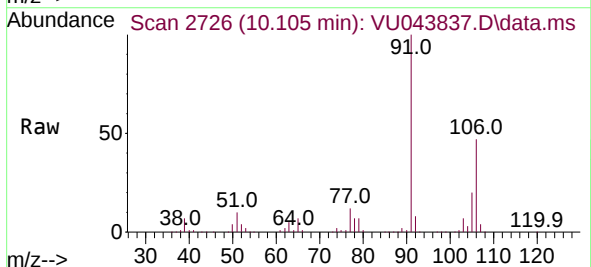
Instrument :  
MSVOA\_U  
ClientSampled :  
GB3Y6MSD

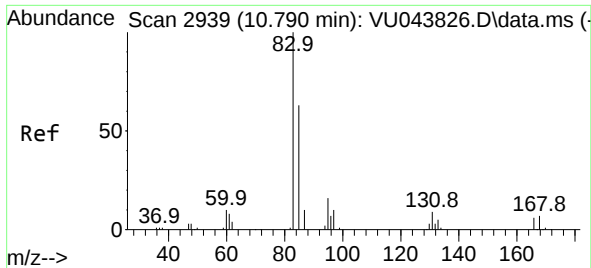
Tgt Ion:106 Resp: 110855  
Ion Ratio Lower Upper  
106 100  
91 210.1 150.8 280.0



#55  
Styrene  
Concen: 0.17 ug/L  
RT: 10.105 min Scan# 2726  
Delta R.T. -0.016 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Tgt Ion:104 Resp: 7526  
Ion Ratio Lower Upper  
104 100  
78 229.0 31.8 59.0#

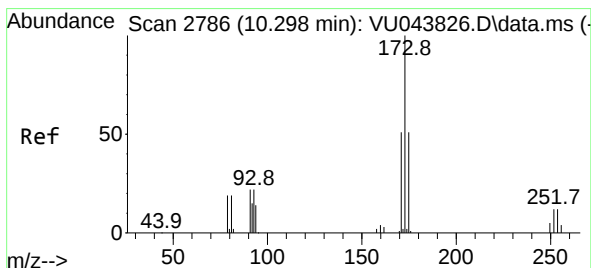
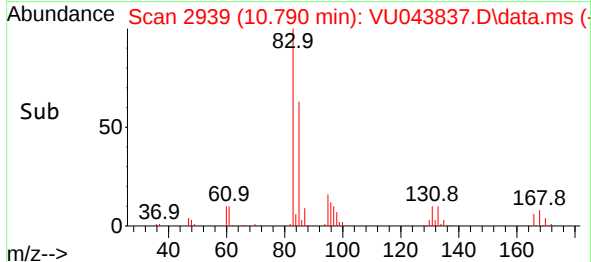
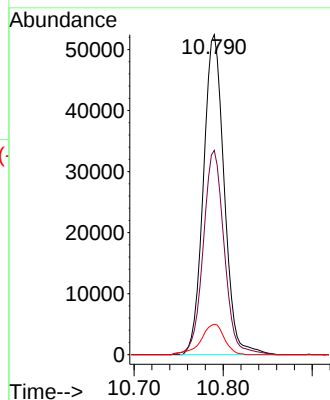
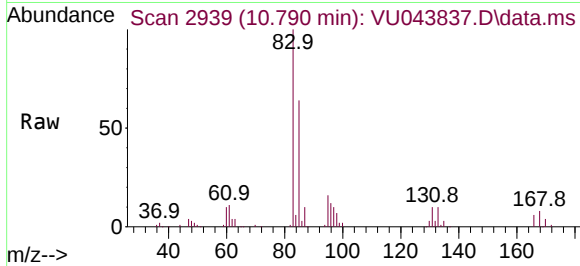




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.42 ug/L  
RT: 10.790 min Scan# 2939  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

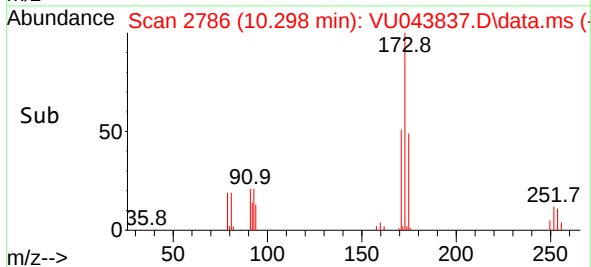
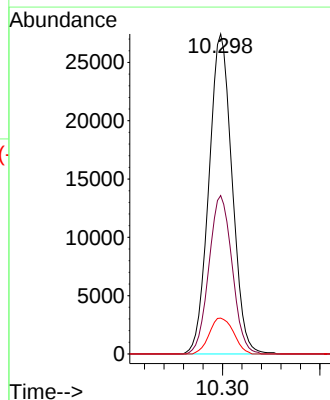
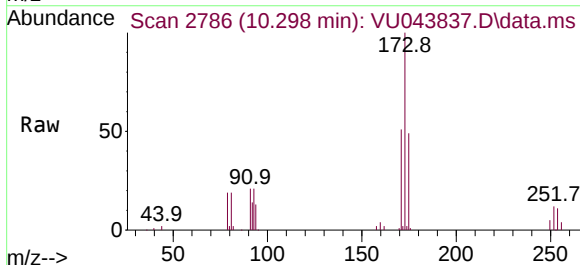
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

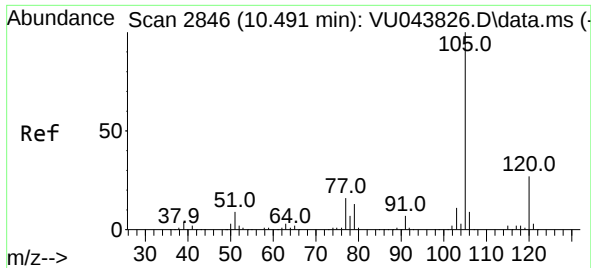
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 84769 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.8  | 45.1  | 83.7  |
| 131      | 9.5   | 7.6   | 11.4  |



#59  
Bromoform  
Concen: 5.69 ug/L  
RT: 10.298 min Scan# 2786  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 45279 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 49.6  | 38.8  | 58.2  |
| 254      | 11.8  | 9.4   | 14.2  |

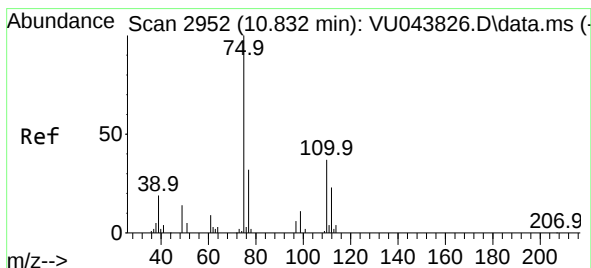
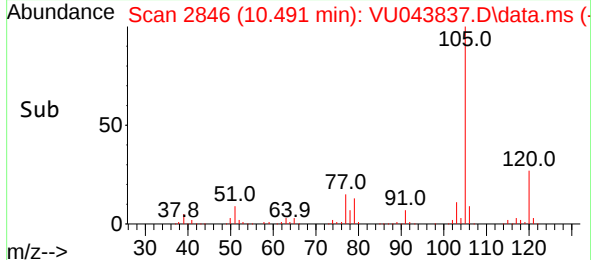
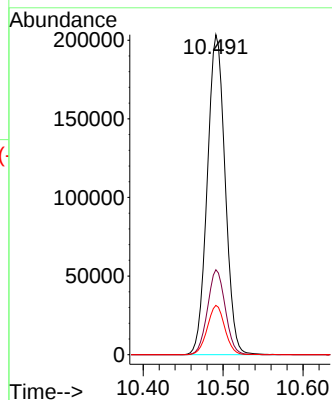
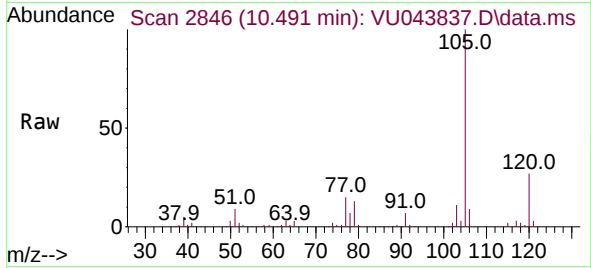




#60  
Isopropylbenzene  
Concen: 4.87 ug/L  
RT: 10.491 min Scan# 2846  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

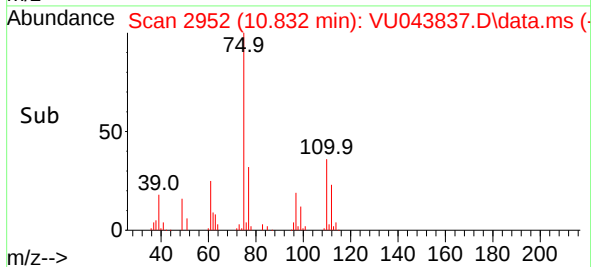
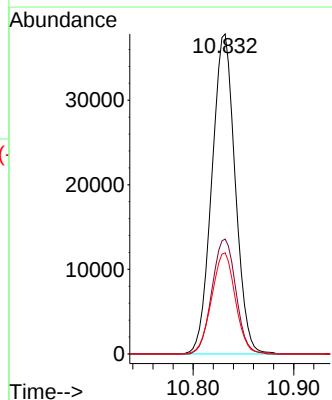
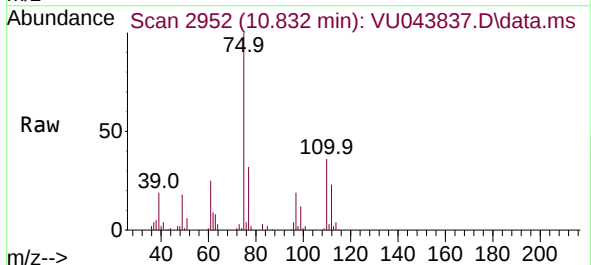
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

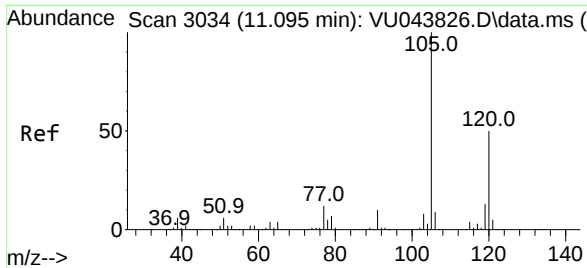
Tgt Ion:105 Resp: 316098  
Ion Ratio Lower Upper  
105 100  
120 26.4 21.3 31.9  
77 15.2 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 5.40 ug/L  
RT: 10.832 min Scan# 2952  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Tgt Ion: 75 Resp: 60982  
Ion Ratio Lower Upper  
75 100  
110 36.6 27.9 41.9  
77 32.3 25.9 38.9

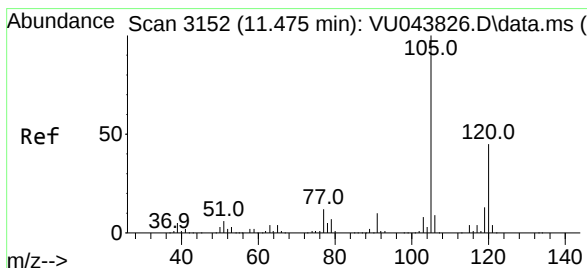
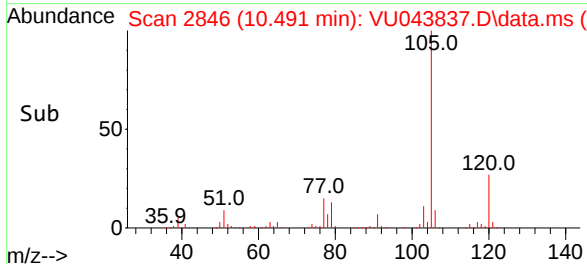
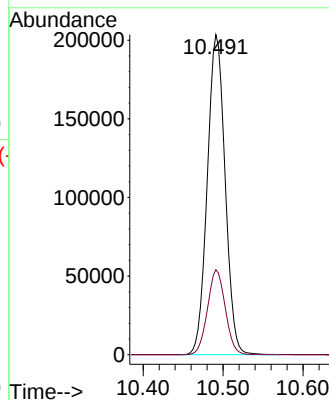
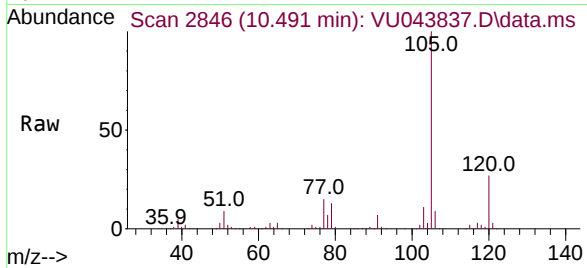




#62  
 1,3,5-Trimethylbenzene  
 Concen: 6.05 ug/L  
 RT: 10.491 min Scan# 2846  
 Delta R.T. -0.604 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

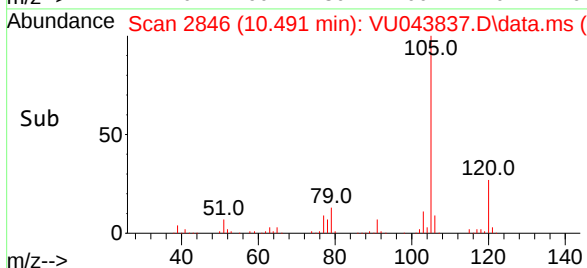
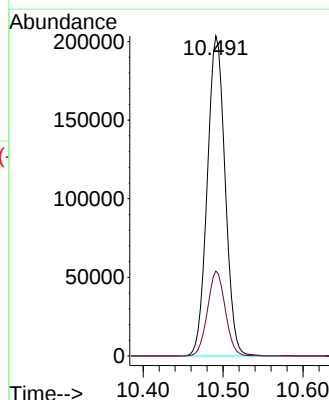
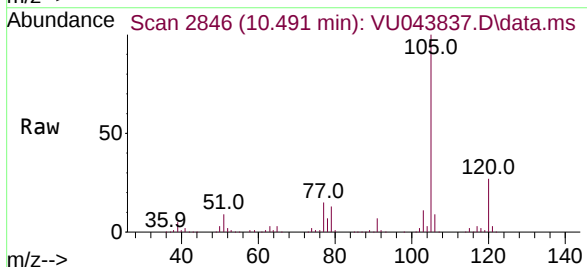
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB3Y6MSD

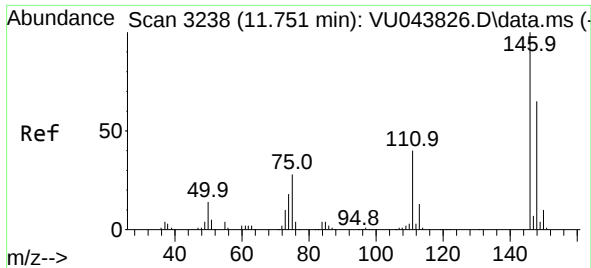
Tgt Ion:105 Resp: 316098  
 Ion Ratio Lower Upper  
 105 100  
 120 26.4 38.9 58.3#



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.91 ug/L  
 RT: 10.491 min Scan# 2846  
 Delta R.T. -0.984 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

Tgt Ion:105 Resp: 316098  
 Ion Ratio Lower Upper  
 105 100  
 120 26.4 36.0 54.0#

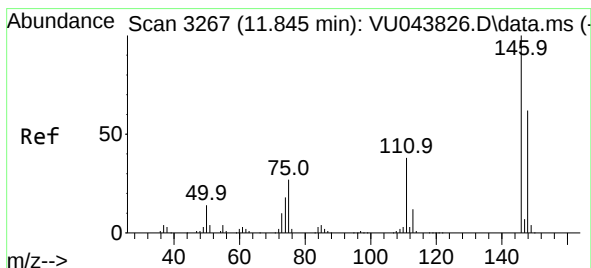
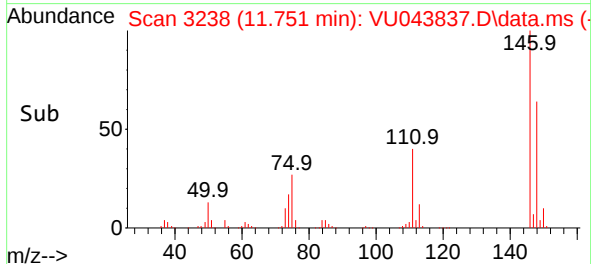
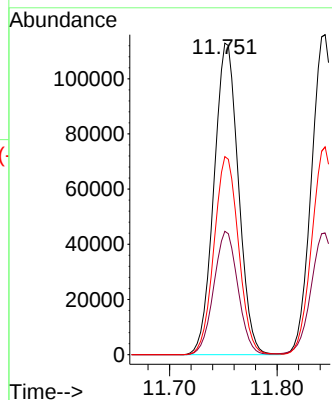
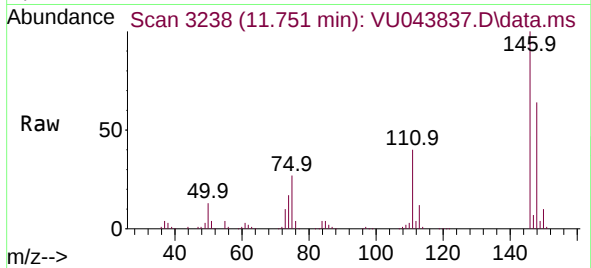




#64  
1,3-Dichlorobenzene  
Concen: 5.34 ug/L  
RT: 11.751 min Scan# 3238  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

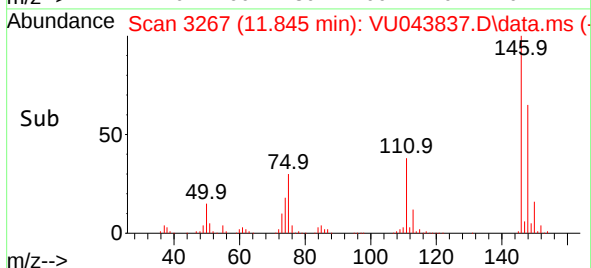
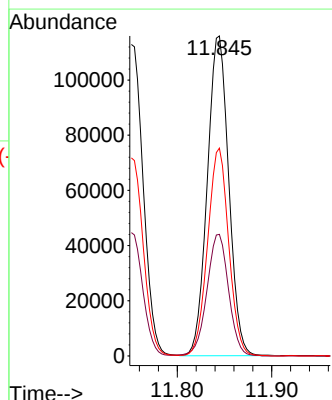
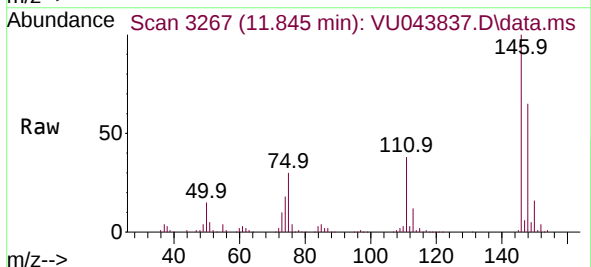
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y6MSD

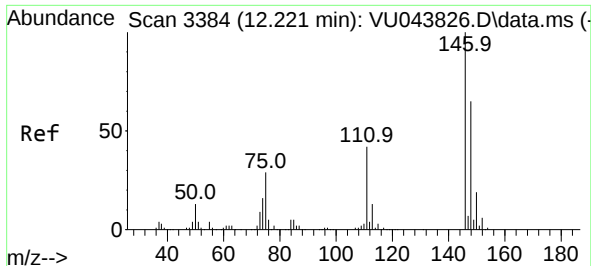
Tgt Ion:146 Resp: 178704  
Ion Ratio Lower Upper  
146 100  
111 39.6 28.1 52.1  
148 63.6 45.6 84.6



#65  
1,4-Dichlorobenzene  
Concen: 5.42 ug/L  
RT: 11.845 min Scan# 3267  
Delta R.T. 0.000 min  
Lab File: VU043837.D  
Acq: 19 May 2021 19:26

Tgt Ion:146 Resp: 182227  
Ion Ratio Lower Upper  
146 100  
111 38.0 27.0 50.2  
148 65.0 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 5.65 ug/L

RT: 12.221 min Scan# 3384

Delta R.T. 0.000 min

Lab File: VU043837.D

Acq: 19 May 2021 19:26

Tgt Ion:146 Resp: 181449

Ion Ratio Lower Upper

146 100

111 39.8 33.6 50.4

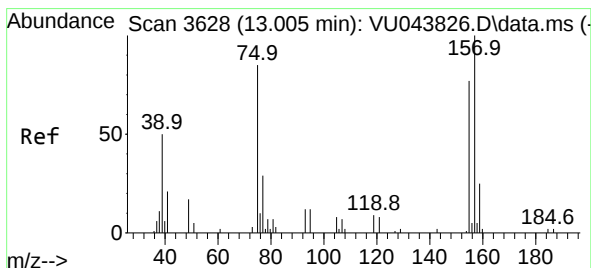
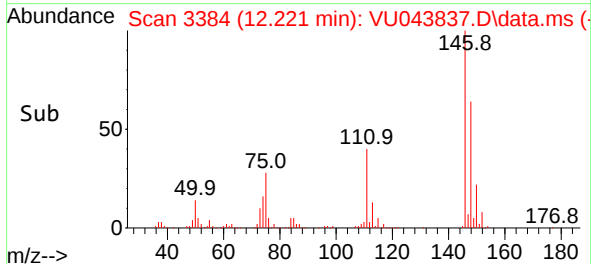
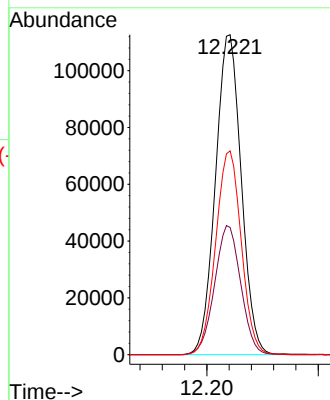
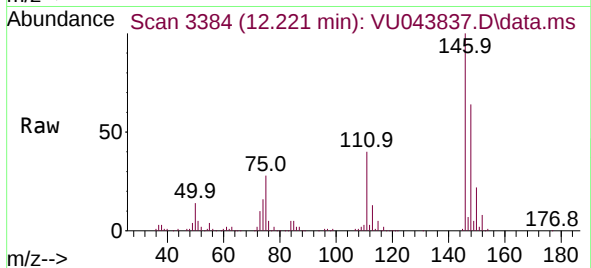
148 63.7 50.2 75.2

Instrument :

MSVOA\_U

ClientSampleId :

GB3Y6MSD



#68

1,2-Dibromo-3-chloropropane

Concen: 5.30 ug/L

RT: 13.005 min Scan# 3628

Delta R.T. 0.000 min

Lab File: VU043837.D

Acq: 19 May 2021 19:26

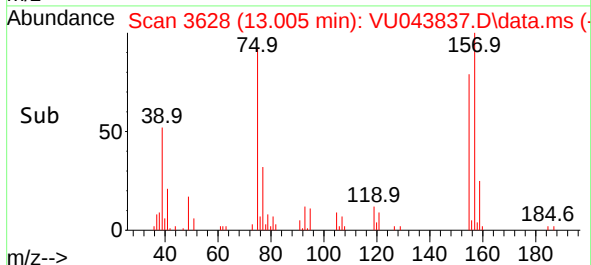
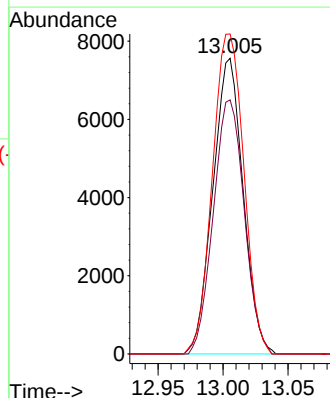
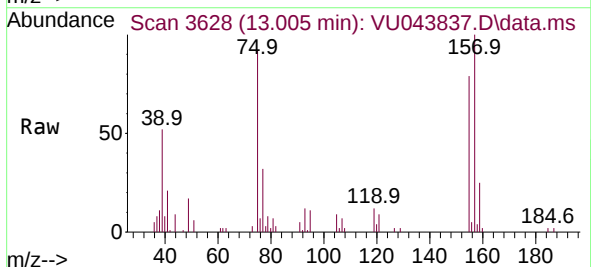
Tgt Ion: 75 Resp: 12270

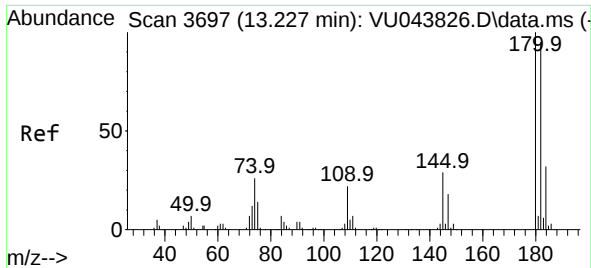
Ion Ratio Lower Upper

75 100

155 85.9 68.7 103.1

157 108.2 87.7 131.5

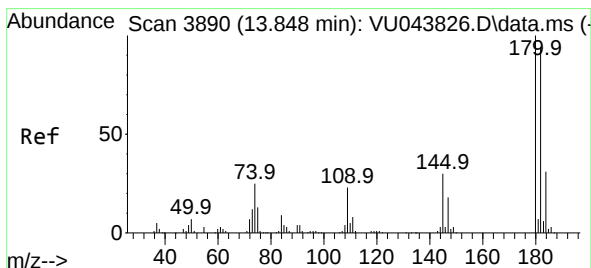
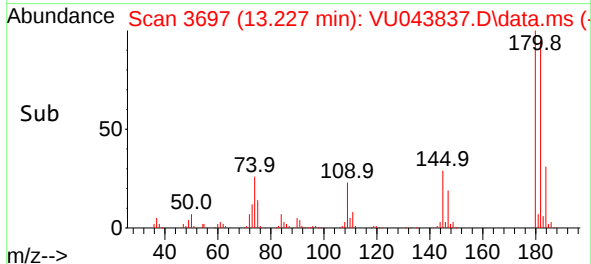
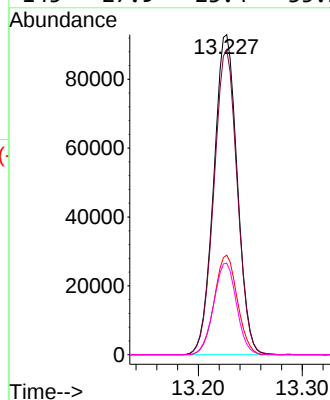
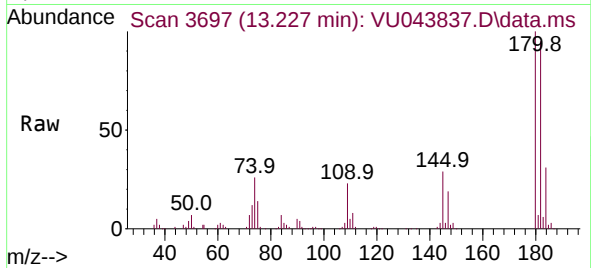




#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.47 ug/L  
 RT: 13.227 min Scan# 3697  
 Delta R.T. 0.000 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

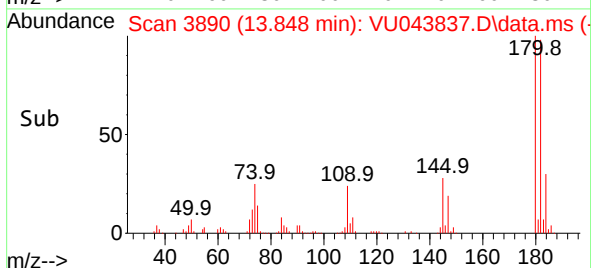
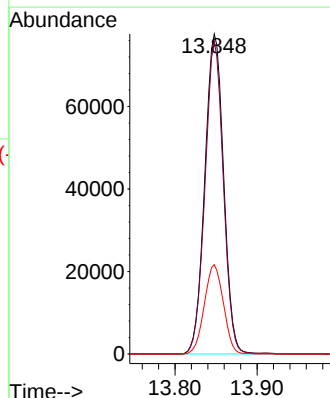
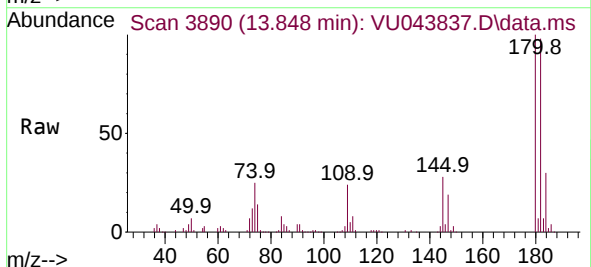
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB3Y6MSD

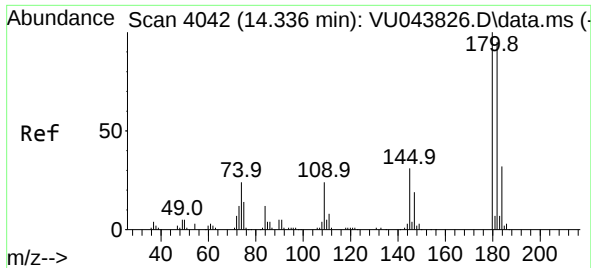
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 145895 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.9  | 78.2  | 117.2  |
| 184       | 30.6  | 24.8  | 37.2   |
| 145       | 27.9  | 23.4  | 35.2   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.63 ug/L  
 RT: 13.848 min Scan# 3890  
 Delta R.T. 0.000 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 123708 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.8  | 76.9  | 115.3  |
| 145       | 28.1  | 23.0  | 34.4   |





#72  
 1,2,3-Trichlorobenzene  
 Concen: 5.43 ug/L  
 RT: 14.336 min Scan# 4042  
 Delta R.T. 0.000 min  
 Lab File: VU043837.D  
 Acq: 19 May 2021 19:26

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB3Y6MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 77.0  | 115.4 |
| 145     | 30.8  | 24.6  | 36.8  |

