

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110524\  
 Data File : VU061465.D  
 Acq On : 05 Nov 2024 20:17  
 Operator : MD/SY  
 Sample : P4689-10MSD  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0CD2MSD

Quant Time: Nov 06 00:06:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 05 23:59:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 152843   | 5.000    | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 146054   | 5.000    | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 70104    | 5.000    | ug/L       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 52957    | 5.101    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | = 102.000% |          |
| 7) Chloroethane-d5            | 1.907  | 69    | 57567    | 6.048    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | = 121.000% |          |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 23371    | 5.261    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | = 105.200% |          |
| 20) 2-Butanone-d5             | 4.621  | 46    | 122105   | 57.925   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | = 115.840% |          |
| 24) Chloroform-d              | 5.052  | 84    | 111731   | 5.669    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | = 113.400% |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 55312    | 5.631    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | = 112.600% |          |
| 32) Benzene-d6                | 5.718  | 84    | 226832   | 5.512    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | = 110.200% |          |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 66259    | 5.355    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | = 107.200% |          |
| 41) Toluene-d8                | 7.891  | 98    | 211315   | 5.492    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | = 109.800% |          |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 24518    | 4.855    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | = 97.000%  |          |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 110572   | 53.454   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | = 106.900% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 54348    | 5.809    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | = 116.200% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 69203    | 5.575    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | = 111.400% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 50112    | 4.918    | ug/L       | 99       |
| 3) Chloromethane              | 1.518  | 50    | 48363    | 4.501    | ug/L       | 100      |
| 5) Vinyl chloride             | 1.602  | 62    | 55525    | 4.700    | ug/L       | 99       |
| 6) Bromomethane               | 1.853  | 94    | 39656    | 5.065    | ug/L       | 97       |
| 8) Chloroethane               | 1.930  | 64    | 46771    | 5.377    | ug/L       | 100      |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 82315    | 5.130    | ug/L       | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 48319    | 5.071    | ug/L       | 98       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 45396    | 5.024    | ug/L       | 98       |
| 13) Acetone                   | 2.637  | 43    | 72989    | 54.668   | ug/L       | 99       |
| 14) Carbon disulfide          | 2.788  | 76    | 126261   | 4.188    | ug/L       | 99       |
| 15) Methyl Acetate            | 2.956  | 43    | 13352    | 4.039    | ug/L       | 95       |
| 16) Methylene chloride        | 3.036  | 84    | 55151    | 5.179    | ug/L       | 97       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 125677   | 5.132    | ug/L       | 99       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 49860    | 4.990    | ug/L       | 99       |
| 19) 1,1-Dichloroethane        | 3.856  | 63    | 99836    | 5.297    | ug/L       | 99       |
| 21) 2-Butanone                | 4.701  | 43    | 122164   | 57.717   | ug/L       | 96       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 60584    | 5.308    | ug/L       | 97       |
| 23) Bromochloromethane        | 4.965  | 128   | 26427    | 5.503    | ug/L       | 97       |
| 25) Chloroform                | 5.078  | 83    | 106105   | 5.355    | ug/L       | 97       |

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 Sample : P4689-10MSD  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

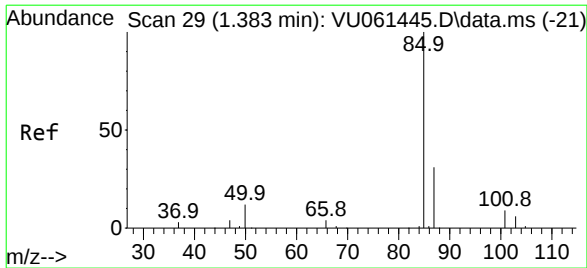
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0CD2MSD

Quant Time: Nov 06 00:06:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 05 23:59:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 67566    | 5.396  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 89407    | 4.999  | ug/L  | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 79223    | 4.416  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 74190    | 4.848  | ug/L  | 99       |
| 33) Benzene                   | 5.766  | 78   | 230813   | 5.110  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 59108    | 4.811  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.753  | 83   | 83848    | 4.287  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 60884    | 5.318  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 72701    | 5.017  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 84457    | 4.776  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 307707   | 54.000 | ug/L  | 100      |
| 42) Toluene                   | 7.962  | 91   | 250530   | 5.107  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 67623    | 4.693  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 45659    | 5.542  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.544  | 164  | 45957    | 5.355  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.676  | 43   | 225208   | 55.890 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.801  | 129  | 46527    | 4.979  | ug/L  | 92       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 42904    | 5.360  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.438  | 112  | 161740   | 5.217  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 268351   | 4.974  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.685  | 106  | 100509   | 4.890  | ug/L  | 97       |
| 54) o-Xylene                  | 10.094 | 106  | 99826    | 4.921  | ug/L  | 98       |
| 55) Styrene                   | 10.106 | 104  | 150325   | 4.622  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 56016    | 5.642  | ug/L  | 100      |
| 59) Bromoform                 | 10.283 | 173  | 24302    | 4.683  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.476 | 105  | 264162   | 4.933  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 39170    | 5.609  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 205091   | 4.704  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 197087   | 4.573  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 117120   | 5.196  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 115268   | 5.017  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 111274   | 5.245  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 7070     | 4.822  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 78745    | 5.097  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 64942    | 5.208  | ug/L  | 98       |
| 71) Naphthalene               | 14.081 | 128  | 104269   | 5.300  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 58145    | 5.574  | ug/L  | 99       |

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

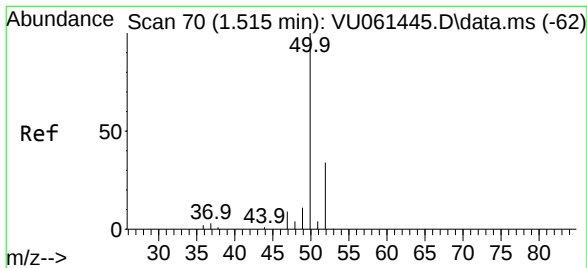
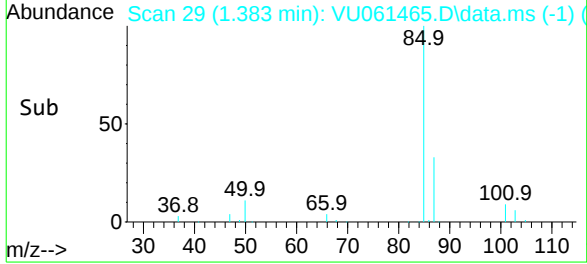
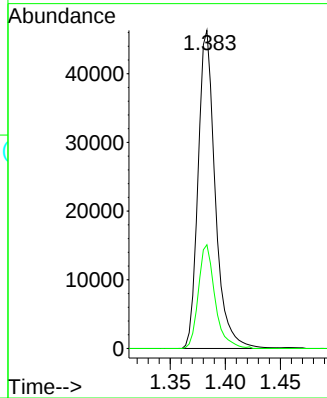
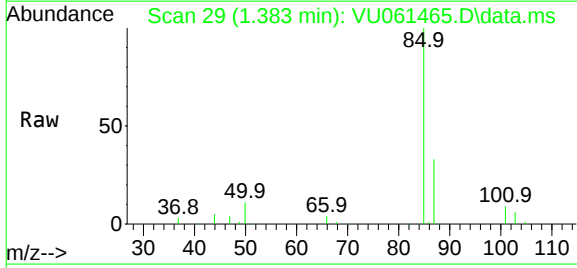




#2  
 Dichlorodifluoromethane  
 Concen: 4.918 ug/L  
 RT: 1.383 min Scan# 29  
 Delta R.T. 0.000 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

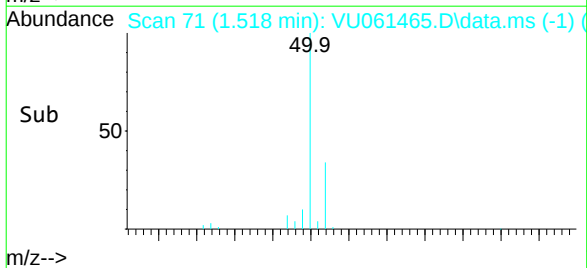
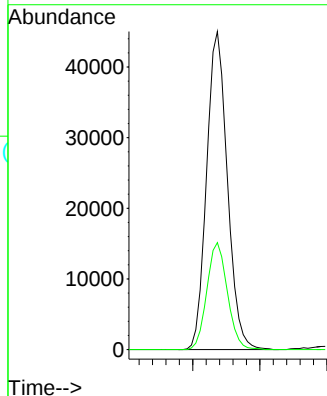
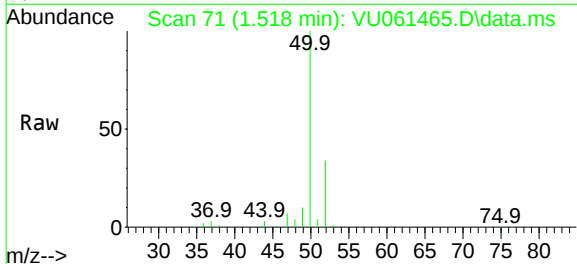
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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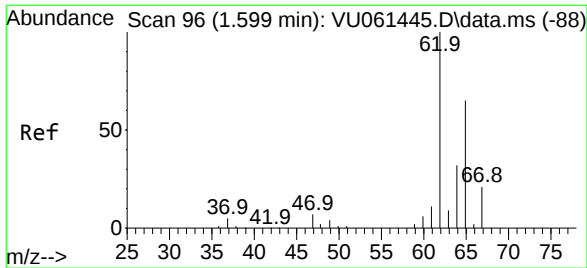
Tgt Ion: 85 Resp: 50112  
 Ion Ratio Lower Upper  
 85 100  
 87 31.7 25.7 38.5



#3  
 Chloromethane  
 Concen: 4.501 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. 0.003 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

Tgt Ion: 50 Resp: 48363  
 Ion Ratio Lower Upper  
 50 100  
 52 33.6 23.4 43.4

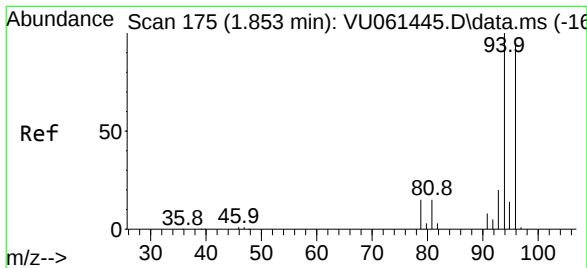
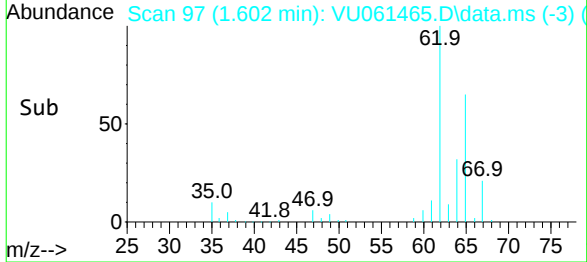
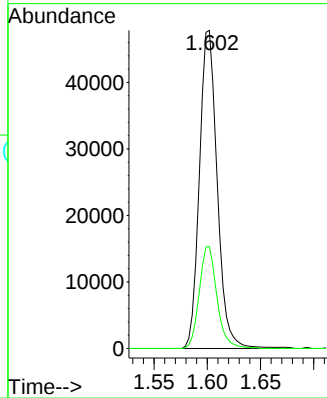
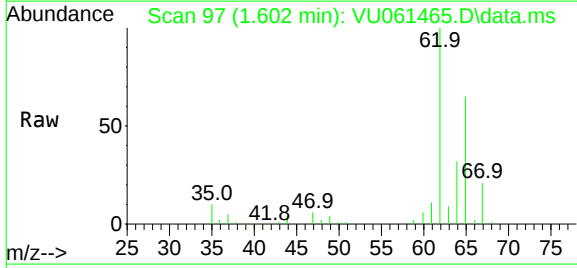




#5  
 Vinyl chloride  
 Concen: 4.700 ug/L  
 RT: 1.602 min Scan# 97  
 Delta R.T. 0.003 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

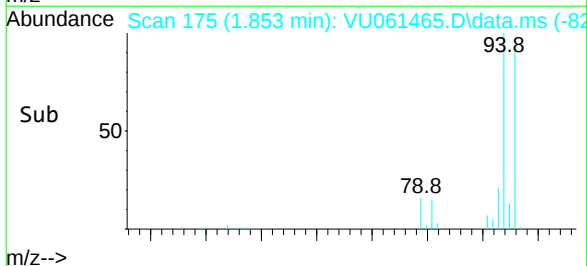
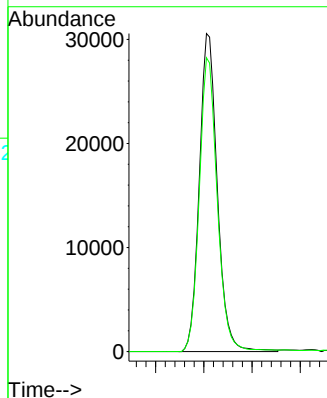
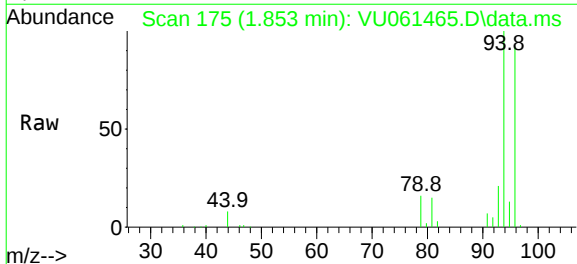
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0CD2MSD

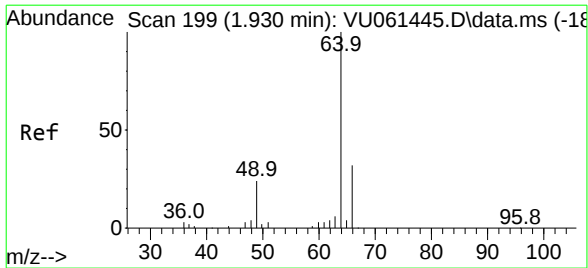
Tgt Ion: 62 Resp: 55525  
 Ion Ratio Lower Upper  
 62 100  
 64 32.0 22.6 42.0



#6  
 Bromomethane  
 Concen: 5.065 ug/L  
 RT: 1.853 min Scan# 175  
 Delta R.T. 0.000 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

Tgt Ion: 94 Resp: 39656  
 Ion Ratio Lower Upper  
 94 100  
 96 92.4 66.9 124.3

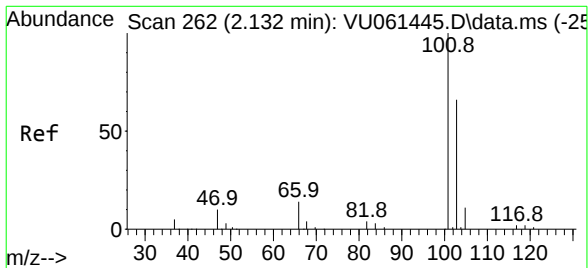
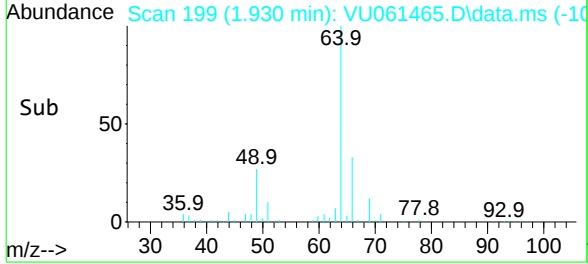
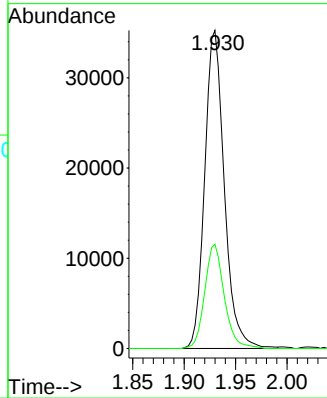
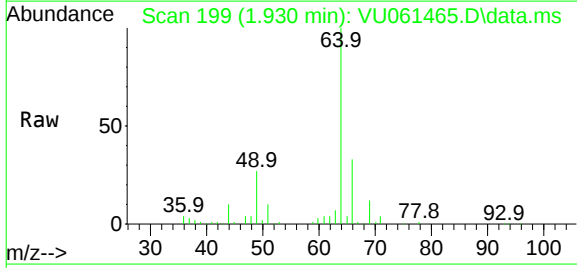




#8  
Chloroethane  
Concen: 5.377 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

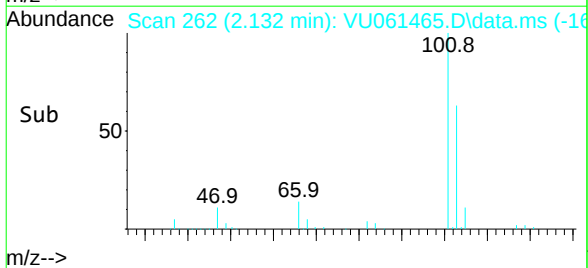
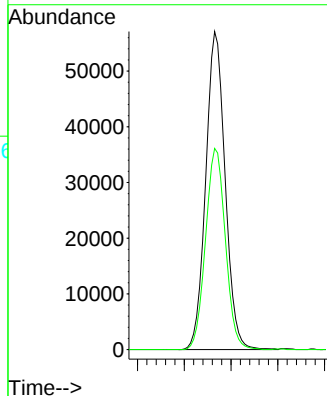
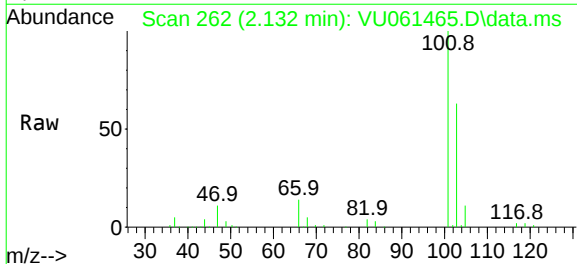
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CD2MSD

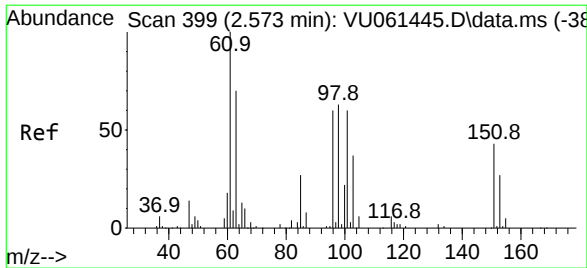
Tgt Ion: 64 Resp: 46771  
Ion Ratio Lower Upper  
64 100  
66 32.8 23.1 42.9



#9  
Trichlorofluoromethane  
Concen: 5.130 ug/L  
RT: 2.132 min Scan# 262  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

Tgt Ion:101 Resp: 82315  
Ion Ratio Lower Upper  
101 100  
103 64.7 50.6 75.8

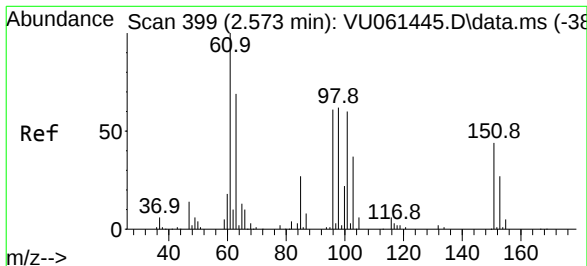
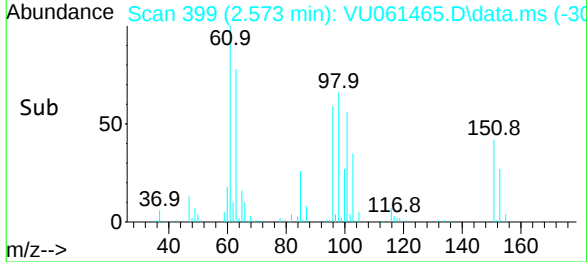
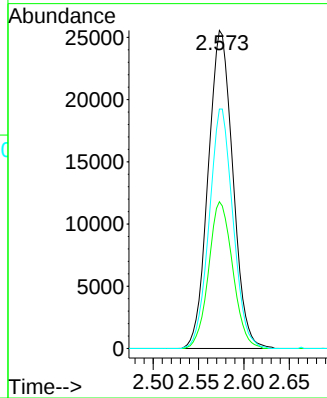
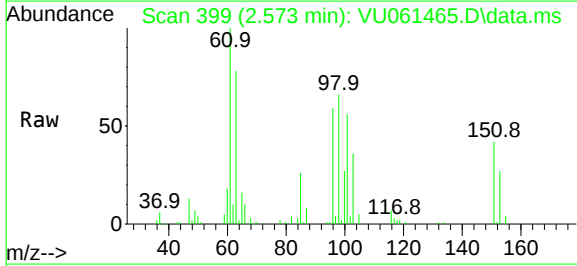




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.071 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

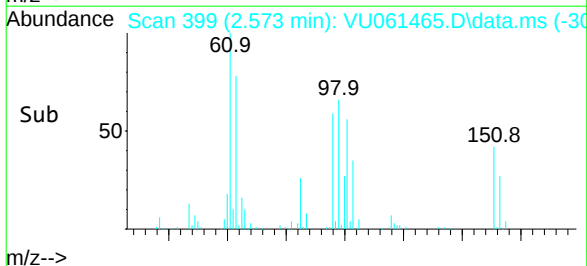
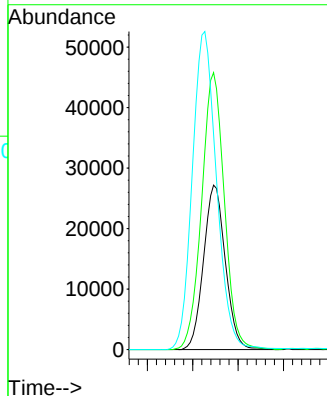
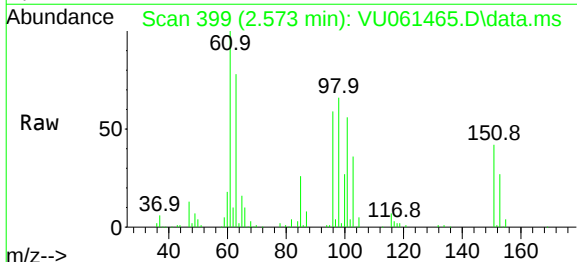
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CD2MSD

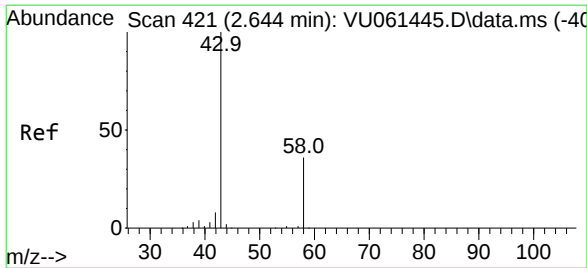
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 45.0  | 35.6  | 53.4  |
| 151     | 72.8  | 55.9  | 83.9  |



#12  
1,1-Dichloroethene  
Concen: 5.024 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 168.4 | 119.1 | 221.1 |
| 63      | 131.0 | 89.4  | 166.0 |





#13

Acetone

Concen: 54.668 ug/L

RT: 2.637 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU061465.D

Acq: 05 Nov 2024 20:17

Instrument :

MSVOA\_U

ClientSampleId :

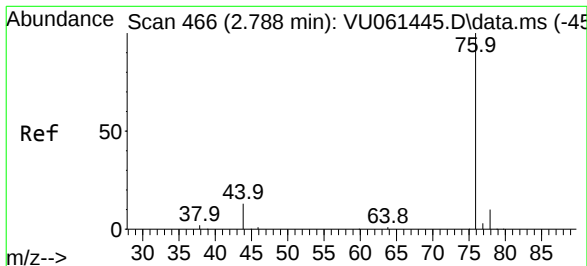
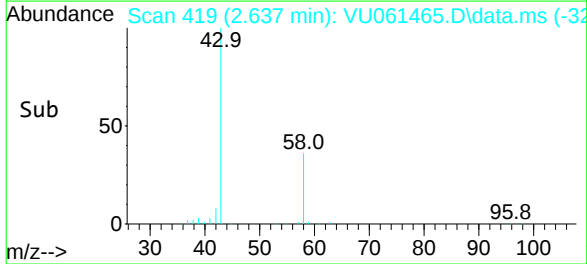
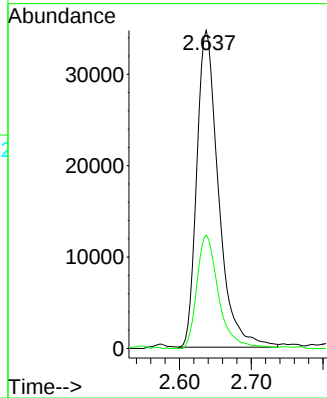
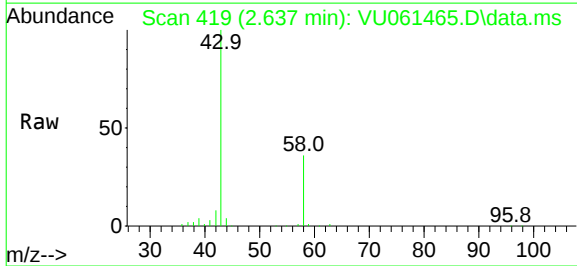
C0CD2MSD

Tgt Ion: 43 Resp: 72989

Ion Ratio Lower Upper

43 100

58 35.8 0.0 73.2



#14

Carbon disulfide

Concen: 4.188 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU061465.D

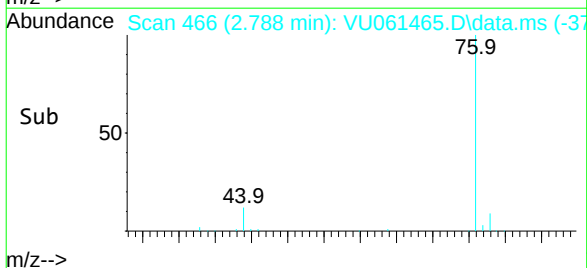
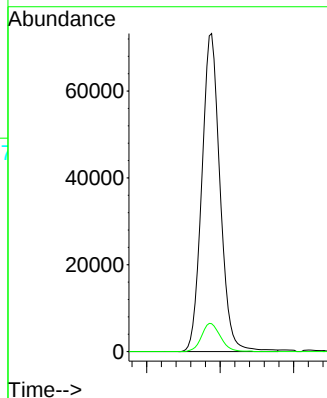
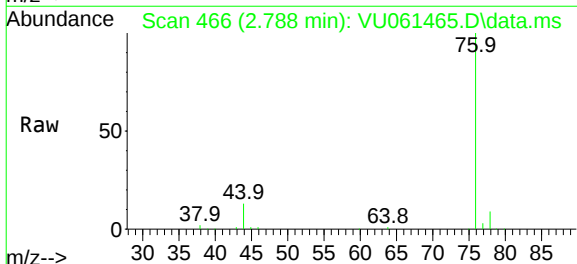
Acq: 05 Nov 2024 20:17

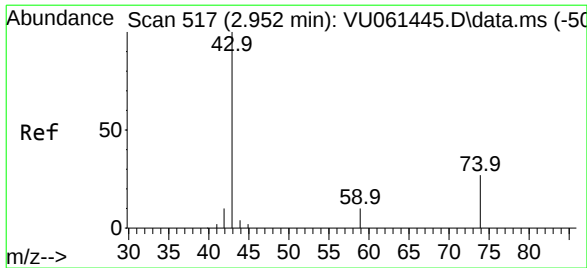
Tgt Ion: 76 Resp: 126261

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

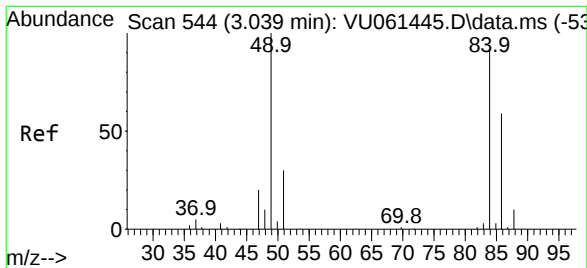
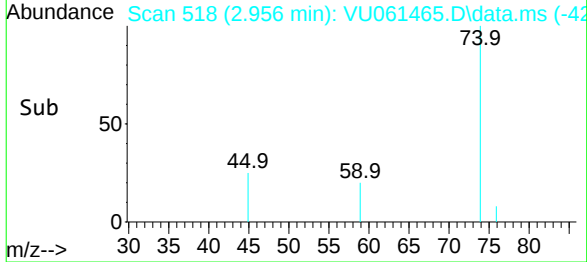
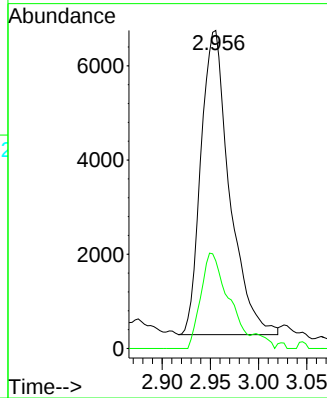
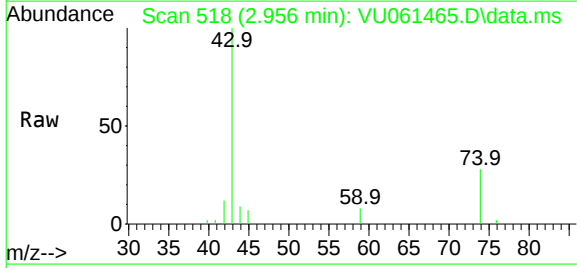




#15  
Methyl Acetate  
Concen: 4.039 ug/L  
RT: 2.956 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

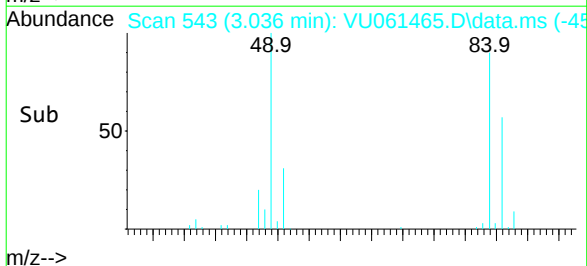
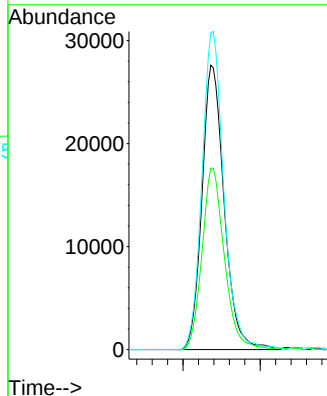
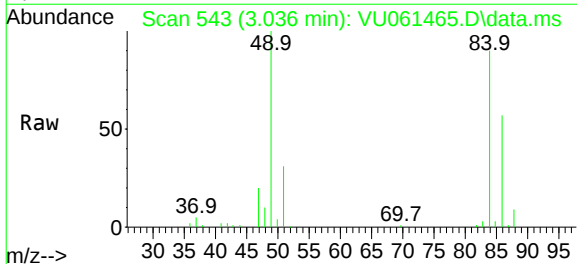
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CD2MSD

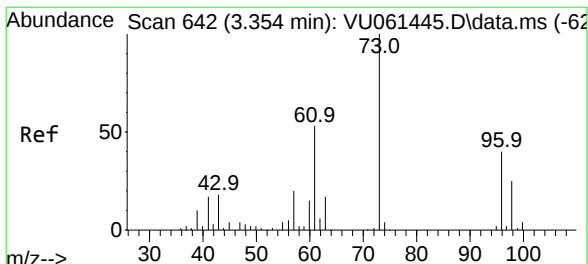
Tgt Ion: 43 Resp: 13352  
Ion Ratio Lower Upper  
43 100  
74 30.3 22.2 33.4



#16  
Methylene chloride  
Concen: 5.179 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. -0.003 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

Tgt Ion: 84 Resp: 55151  
Ion Ratio Lower Upper  
84 100  
86 63.8 43.5 80.7  
49 111.5 75.7 140.7

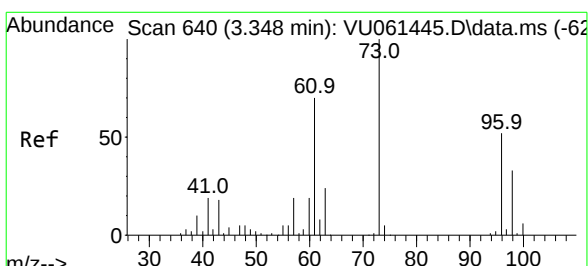
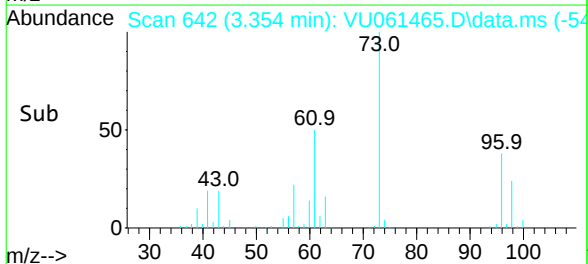
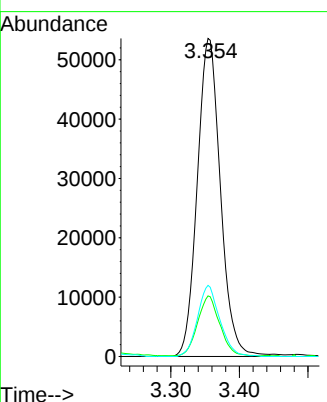
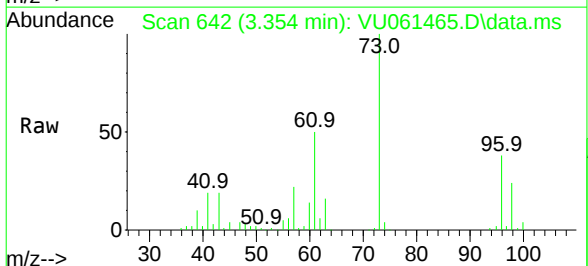




#17  
 Methyl tert-butyl Ether  
 Concen: 5.132 ug/L  
 RT: 3.354 min Scan# 642  
 Delta R.T. 0.000 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

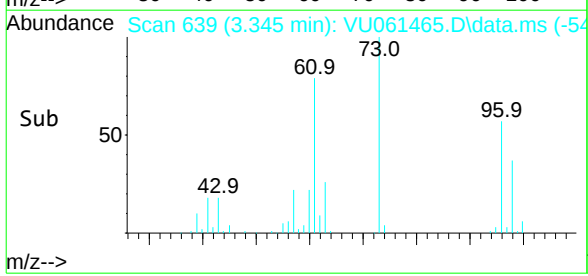
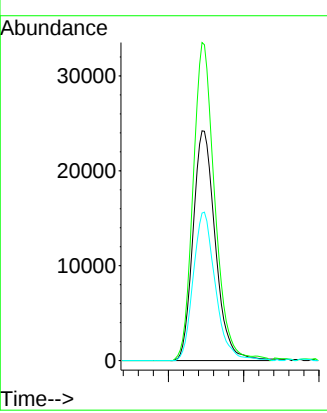
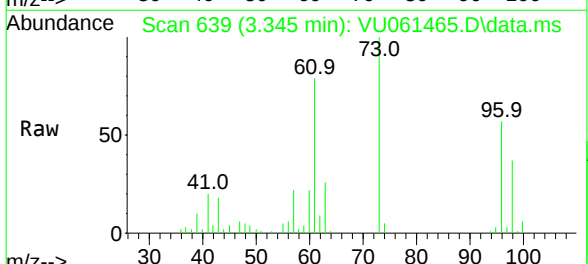
Instrument : MSVOA\_U  
 ClientSampleId : C0CD2MSD

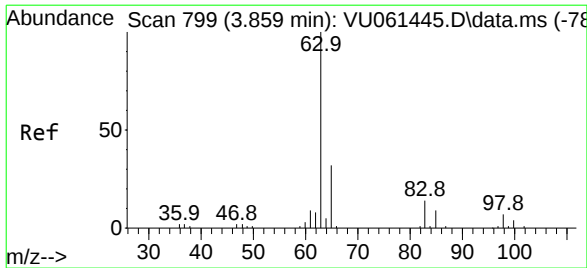
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 73    | Resp: | 125677 |
| Ion      | Ratio | Lower | Upper  |
| 73       | 100   |       |        |
| 43       | 18.0  | 15.0  | 22.4   |
| 57       | 21.5  | 17.0  | 25.6   |



#18  
 trans-1,2-Dichloroethene  
 Concen: 4.990 ug/L  
 RT: 3.345 min Scan# 639  
 Delta R.T. -0.003 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 49860 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 138.4 | 97.9  | 181.7 |
| 98       | 64.2  | 46.2  | 85.8  |

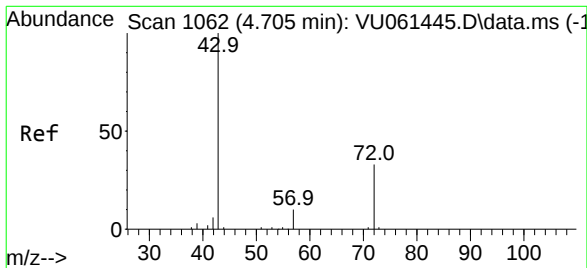
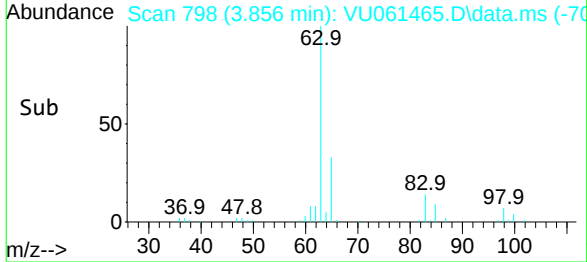
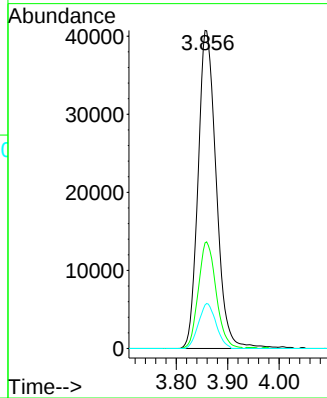
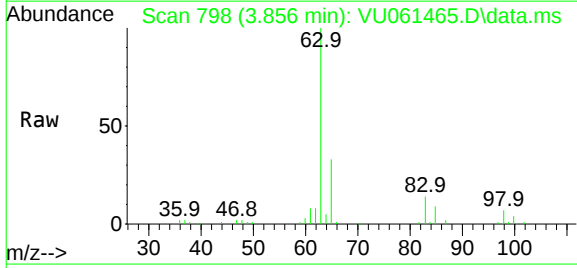




#19  
1,1-Dichloroethane  
Concen: 5.297 ug/L  
RT: 3.856 min Scan# 799  
Delta R.T. -0.003 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

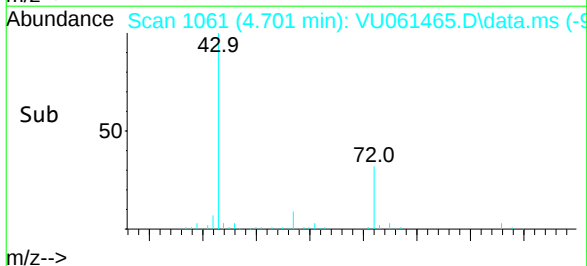
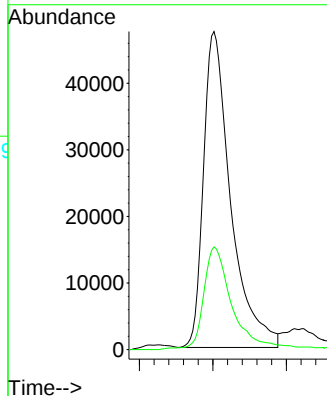
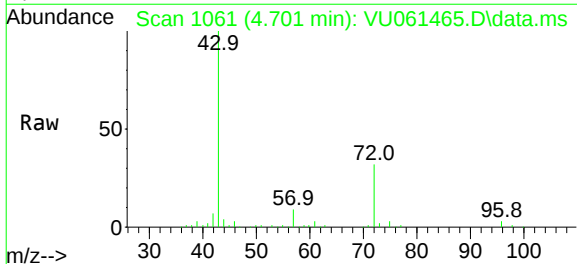
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CD2MSD

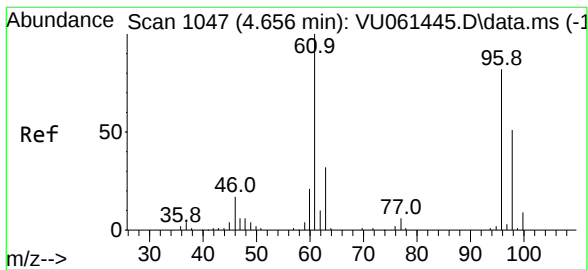
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 99836 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 33.2  | 23.0  | 42.6  |
| 83       | 13.7  | 9.7   | 17.9  |



#21  
2-Butanone  
Concen: 57.717 ug/L  
RT: 4.701 min Scan# 1061  
Delta R.T. -0.003 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 122164 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 72       | 34.0  | 15.9  | 47.6   |

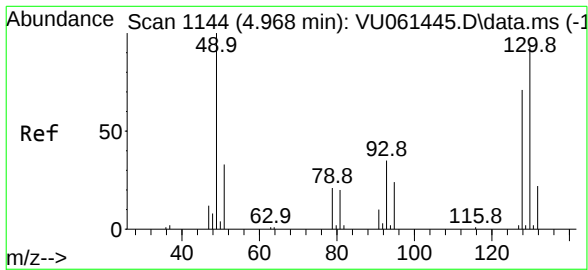
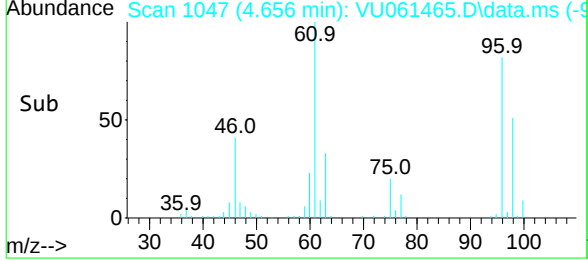
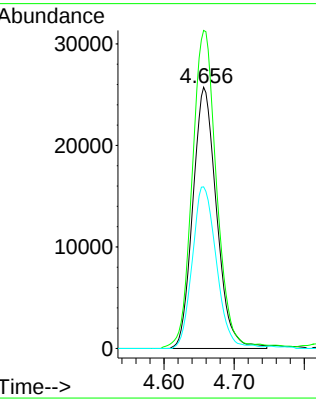
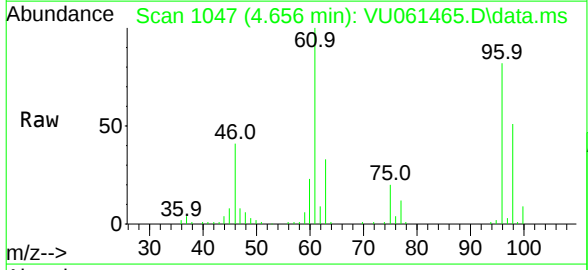




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.308 ug/L  
 RT: 4.656 min Scan# 1047  
 Delta R.T. 0.000 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

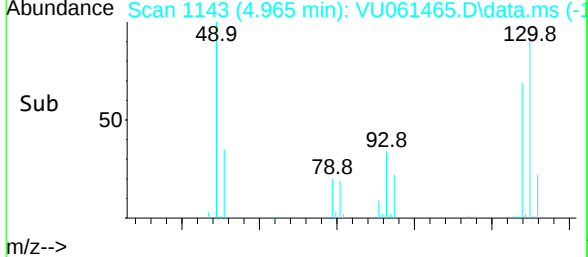
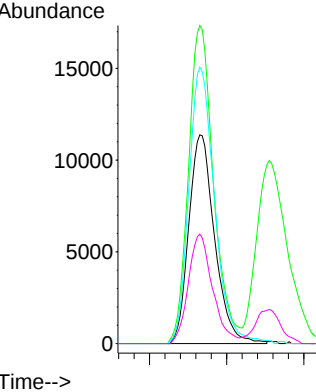
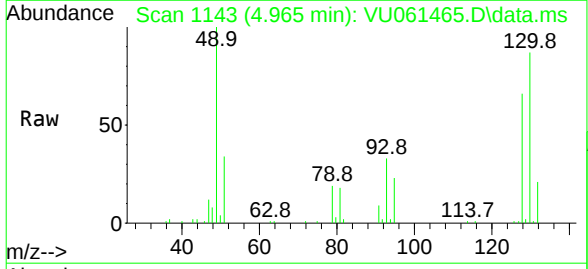
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0CD2MSD

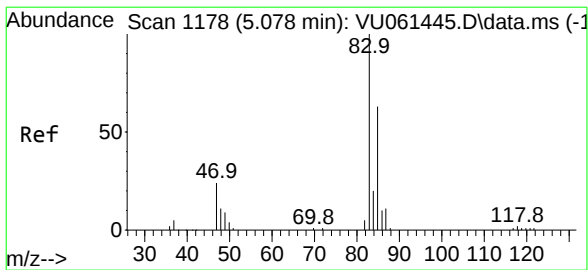
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 60584 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 121.7 | 88.1  | 163.5 |
| 98       | 61.9  | 45.0  | 83.6  |



#23  
 Bromochloromethane  
 Concen: 5.503 ug/L  
 RT: 4.965 min Scan# 1143  
 Delta R.T. -0.003 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 26427 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 152.4 | 105.1 | 195.1 |
| 130      | 132.4 | 89.6  | 166.4 |
| 51       | 52.5  | 38.7  | 58.1  |





#25

Chloroform

Concen: 5.355 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU061465.D

Acq: 05 Nov 2024 20:17

Instrument :

MSVOA\_U

ClientSampleId :

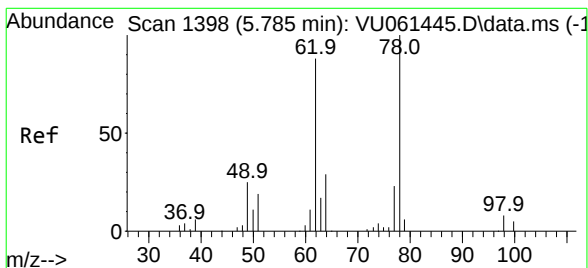
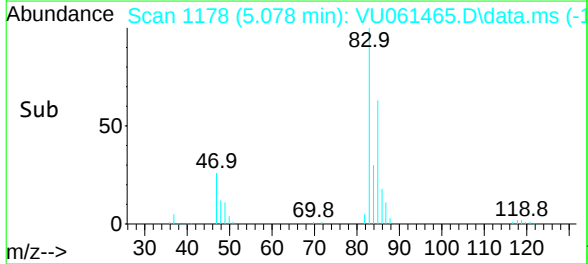
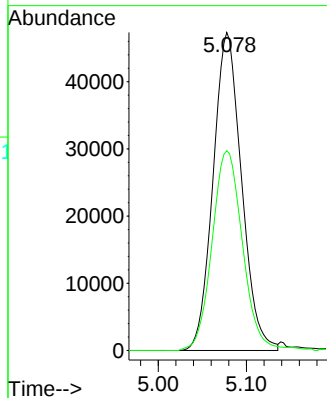
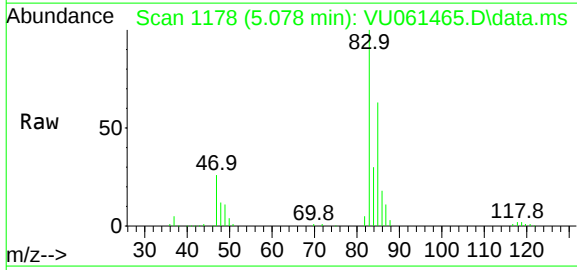
C0CD2MSD

Tgt Ion: 83 Resp: 106105

Ion Ratio Lower Upper

83 100

85 62.8 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.396 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU061465.D

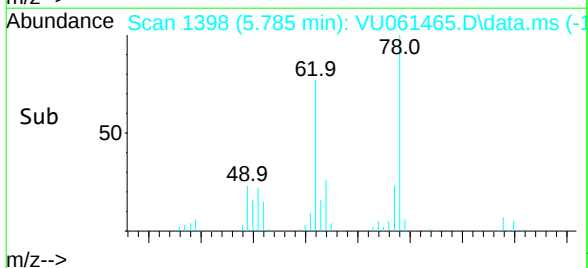
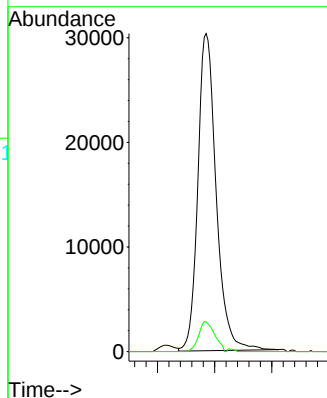
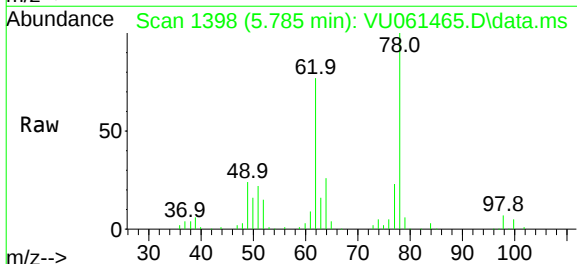
Acq: 05 Nov 2024 20:17

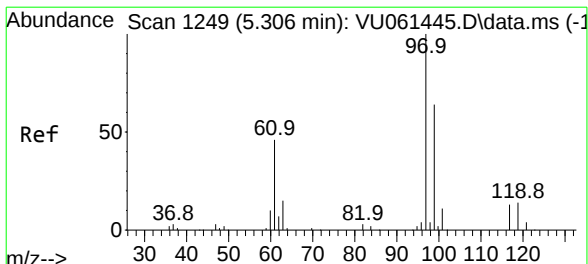
Tgt Ion: 62 Resp: 67566

Ion Ratio Lower Upper

62 100

98 9.3 7.4 11.0

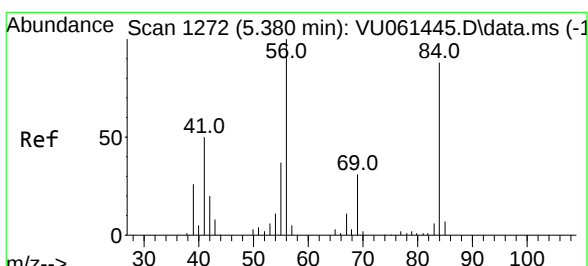
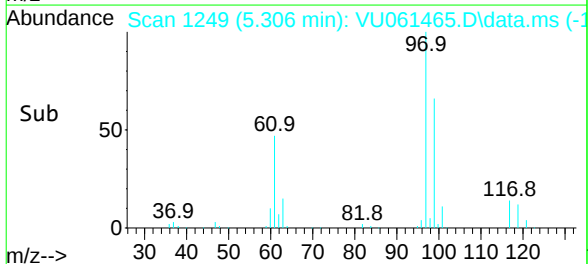
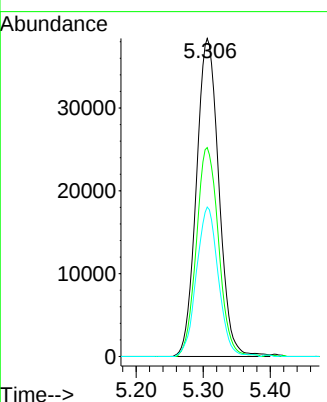
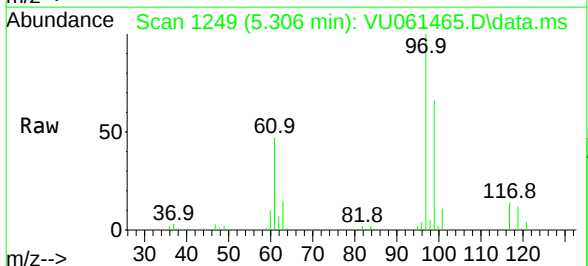




#29  
 1,1,1-Trichloroethane  
 Concen: 4.999 ug/L  
 RT: 5.306 min Scan# 1219  
 Delta R.T. 0.000 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

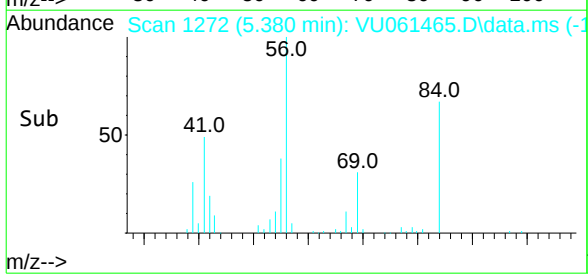
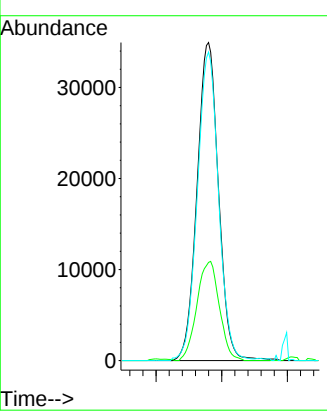
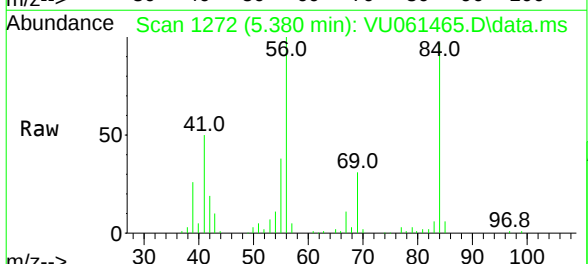
Instrument : MSVOA\_U  
 ClientSampleId : C0CD2MSD

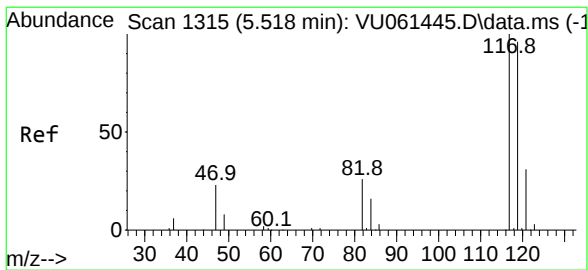
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 89407 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.6  | 50.8  | 76.2  |
| 61       | 45.5  | 36.1  | 54.1  |



#30  
 Cyclohexane  
 Concen: 4.416 ug/L  
 RT: 5.380 min Scan# 1272  
 Delta R.T. 0.000 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 79223 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 32.6  | 25.8  | 38.6  |
| 84       | 96.0  | 73.9  | 110.9 |

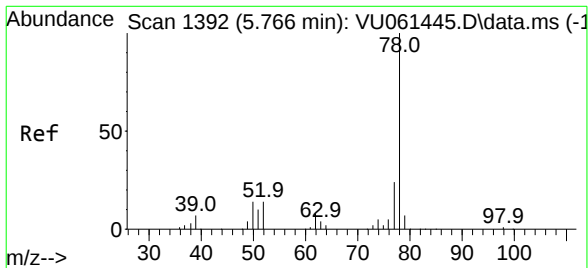
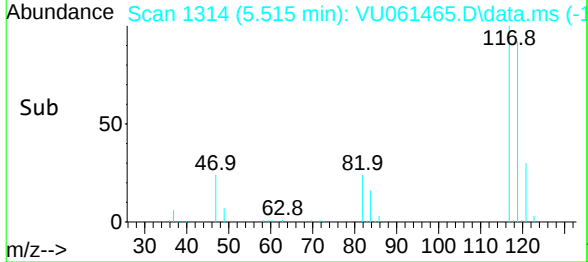
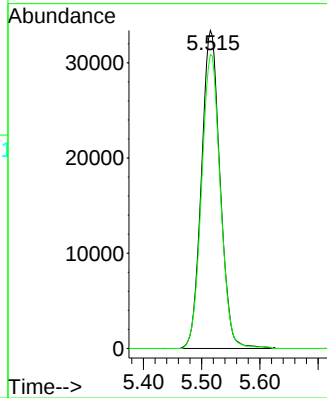
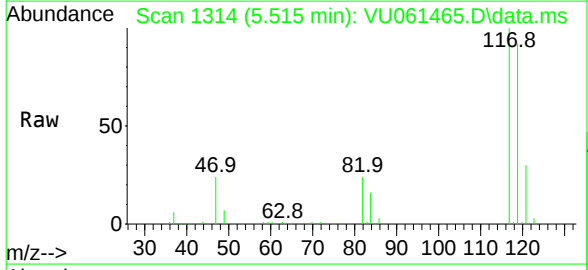




#31  
Carbon tetrachloride  
Concen: 4.848 ug/L  
RT: 5.515 min Scan# 1315  
Delta R.T. -0.003 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

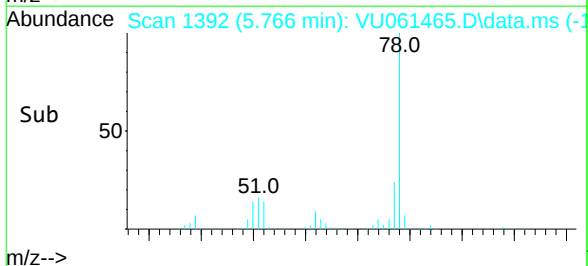
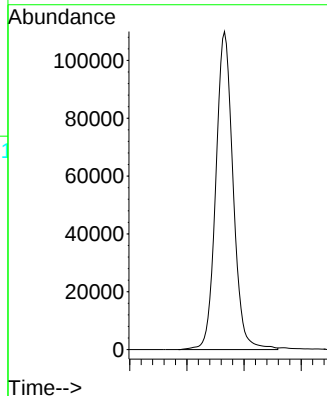
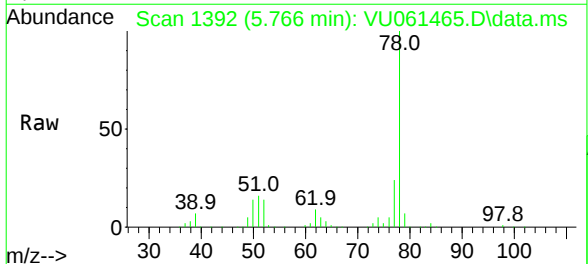
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CD2MSD

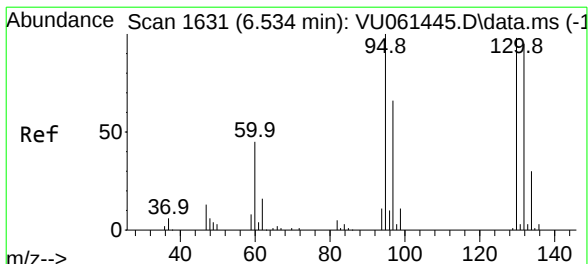
Tgt Ion:117 Resp: 74190  
Ion Ratio Lower Upper  
117 100  
119 93.4 75.5 113.3



#33  
Benzene  
Concen: 5.110 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

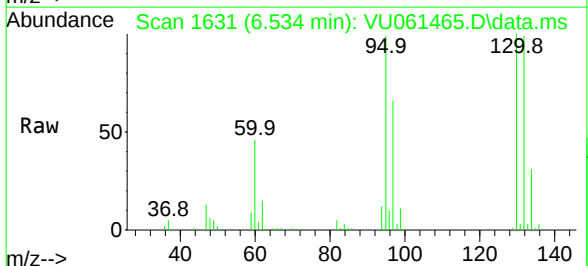
Tgt Ion: 78 Resp: 230813



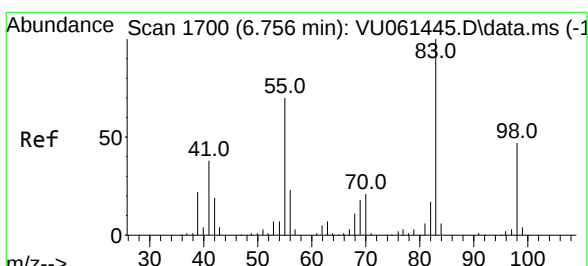
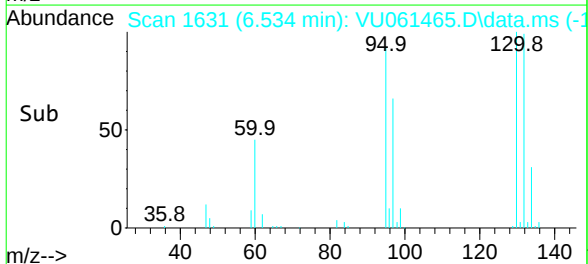
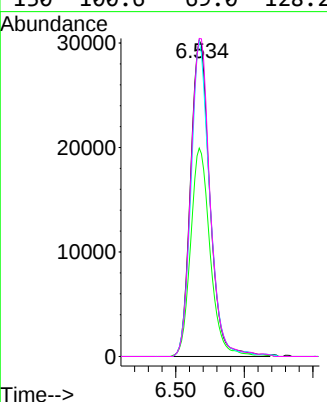


#34  
 Trichloroethene  
 Concen: 4.811 ug/L  
 RT: 6.534 min Scan# 1698  
 Delta R.T. 0.000 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

Instrument : MSVOA\_U  
 ClientSampleId : C0CD2MSD

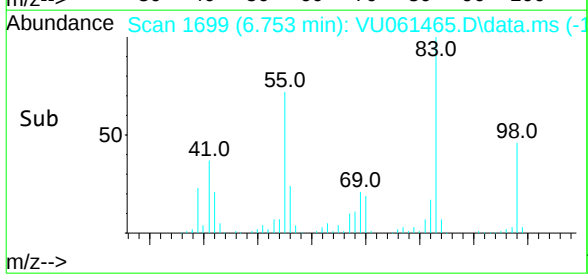
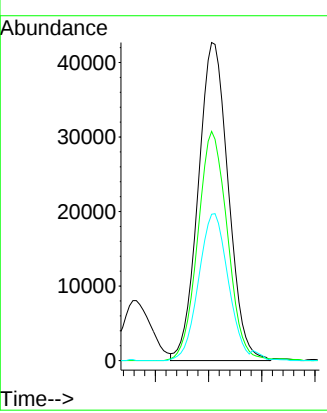
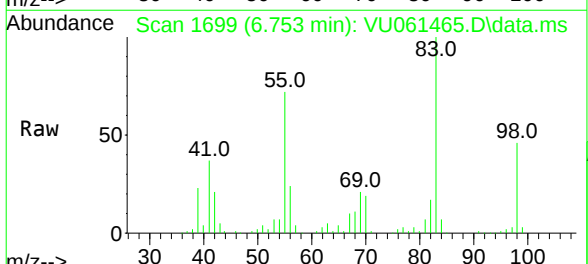


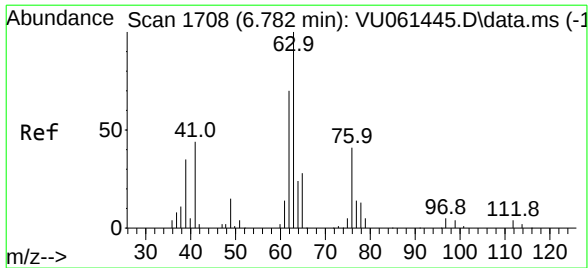
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 97      | 65.9  | 46.1  | 85.7  |
| 132     | 99.9  | 66.1  | 122.7 |
| 130     | 100.6 | 69.0  | 128.2 |



#35  
 Methylcyclohexane  
 Concen: 4.287 ug/L  
 RT: 6.753 min Scan# 1699  
 Delta R.T. -0.003 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

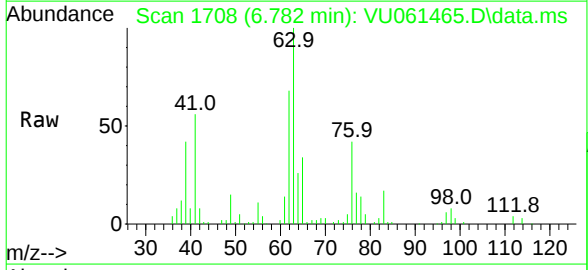
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 71.0  | 55.9  | 83.9  |
| 98      | 45.3  | 35.9  | 53.9  |



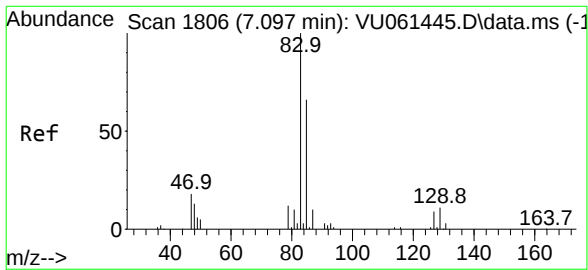
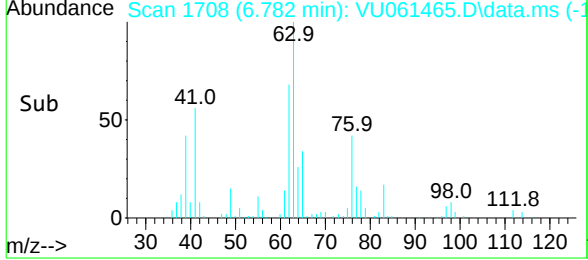
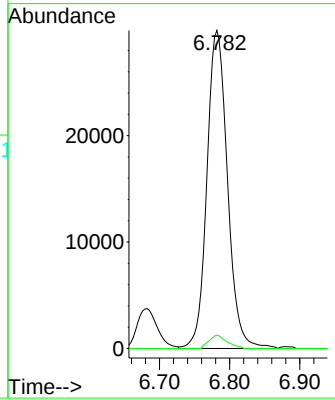


#37  
 1,2-Dichloropropane  
 Concen: 5.318 ug/L  
 RT: 6.782 min Scan# 1708  
 Delta R.T. 0.000 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0CD2MSD

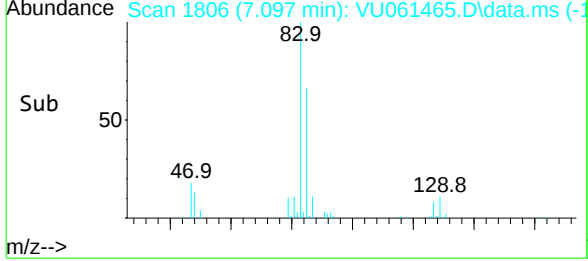
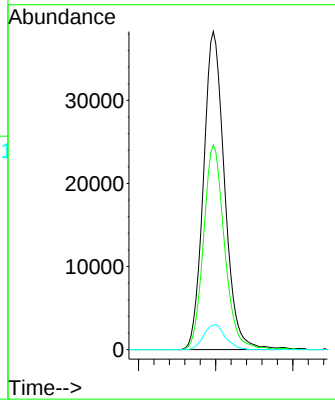
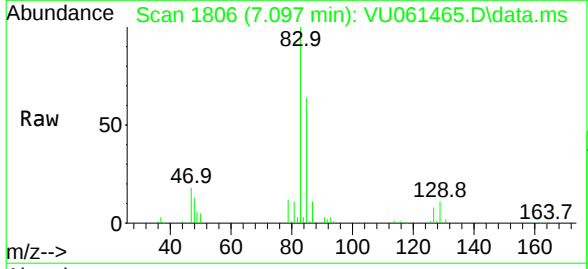


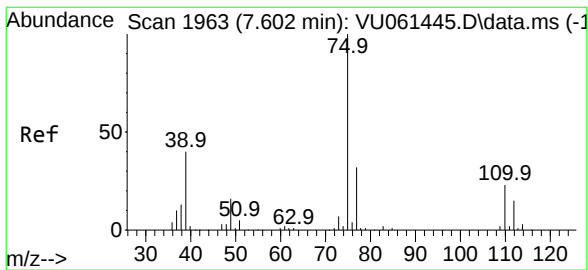
Tgt Ion: 63 Resp: 60884  
 Ion Ratio Lower Upper  
 63 100  
 112 3.7 3.0 4.4



#38  
 Bromodichloromethane  
 Concen: 5.017 ug/L  
 RT: 7.097 min Scan# 1806  
 Delta R.T. 0.000 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

Tgt Ion: 83 Resp: 72701  
 Ion Ratio Lower Upper  
 83 100  
 85 64.4 43.8 81.4  
 127 7.7 7.4 11.0

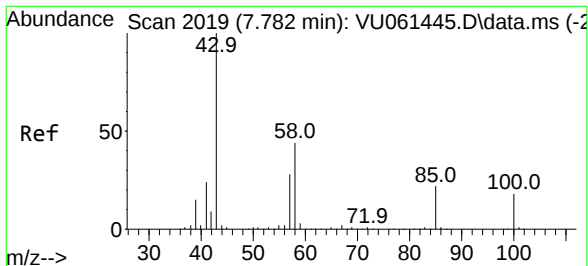
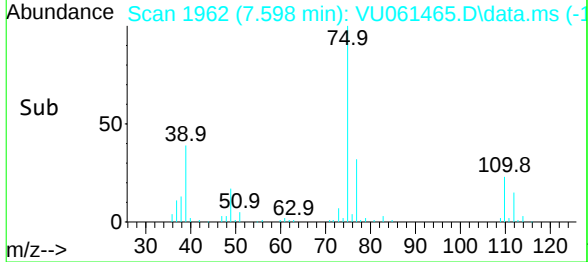
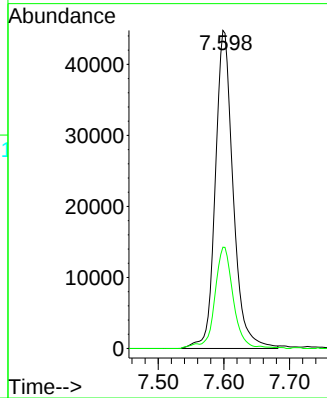
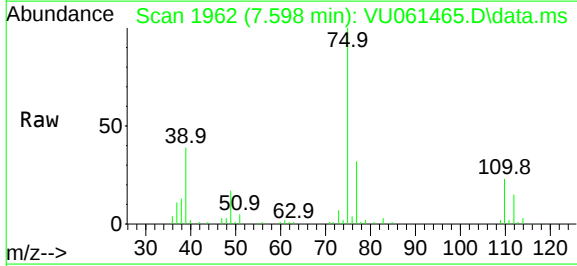




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.776 ug/L  
 RT: 7.598 min Scan# 19  
 Delta R.T. -0.003 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

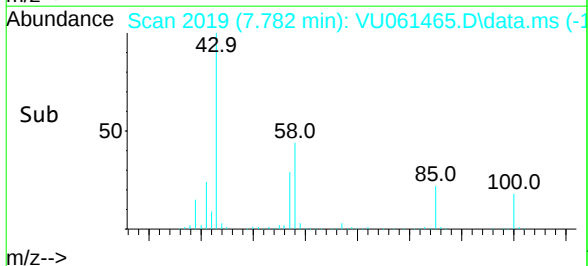
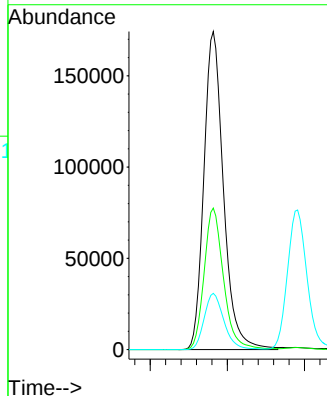
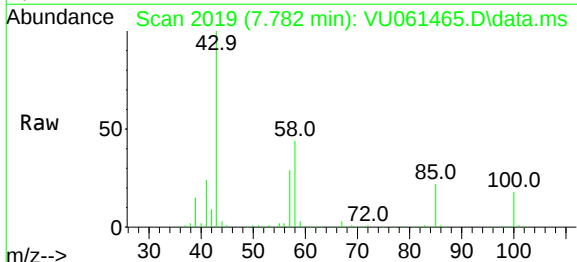
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0CD2MSD

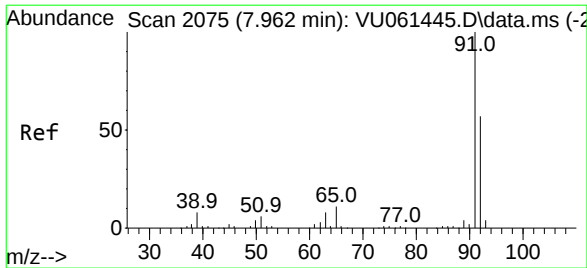
Tgt Ion: 75 Resp: 84457  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 22.5 41.7



#40  
 4-Methyl-2-pentanone  
 Concen: 54.000 ug/L  
 RT: 7.782 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

Tgt Ion: 43 Resp: 307707  
 Ion Ratio Lower Upper  
 43 100  
 58 44.1 35.1 52.7  
 100 17.8 14.0 21.0





#42

Toluene

Concen: 5.107 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU061465.D

Acq: 05 Nov 2024 20:17

Instrument :

MSVOA\_U

ClientSampleId :

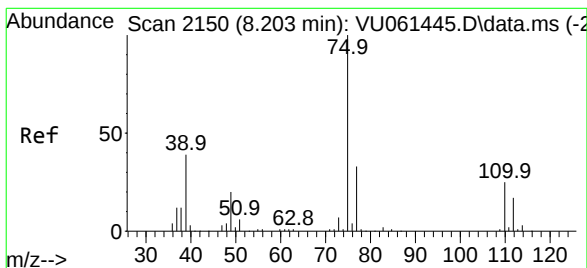
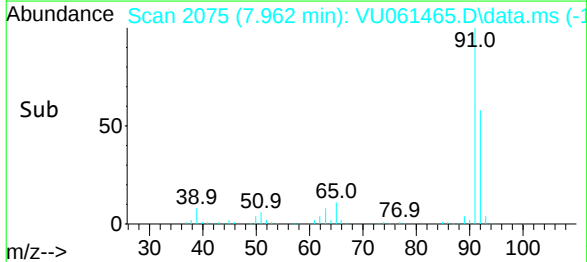
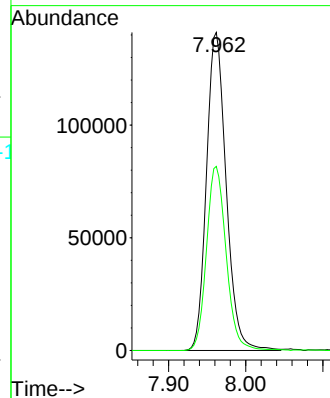
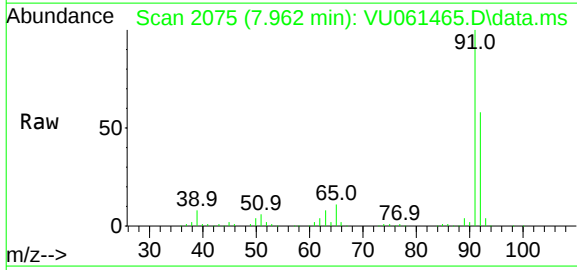
C0CD2MSD

Tgt Ion: 91 Resp: 250530

Ion Ratio Lower Upper

91 100

92 57.9 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.693 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU061465.D

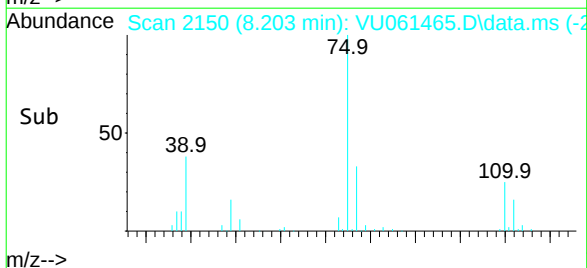
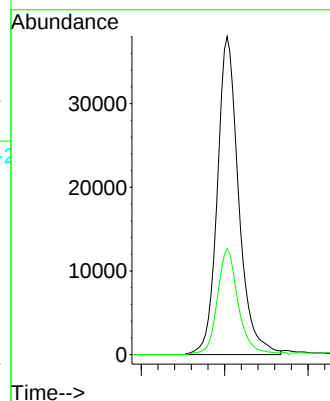
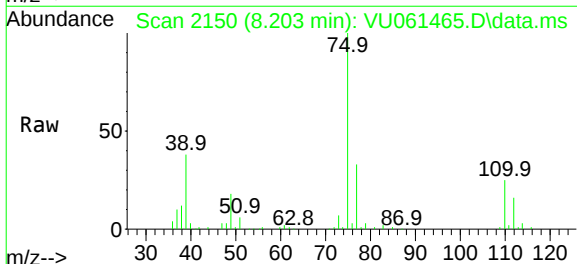
Acq: 05 Nov 2024 20:17

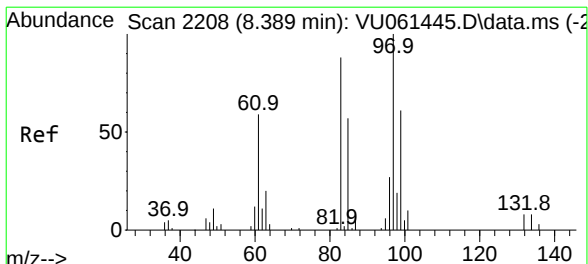
Tgt Ion: 75 Resp: 67623

Ion Ratio Lower Upper

75 100

77 33.3 22.0 40.8

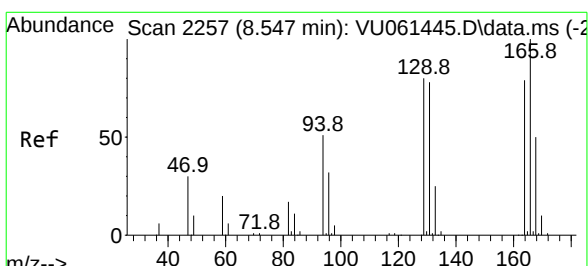
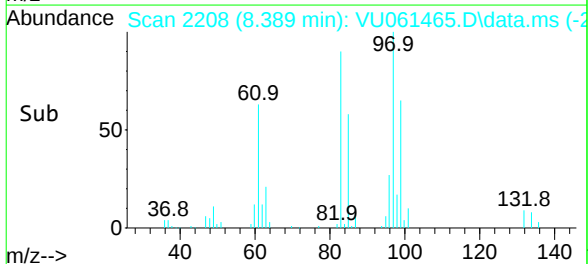
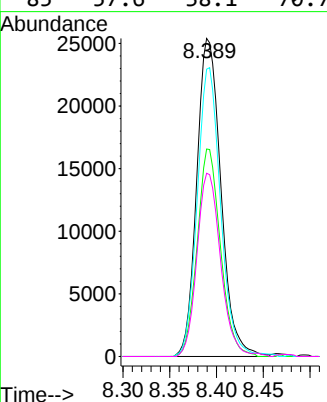
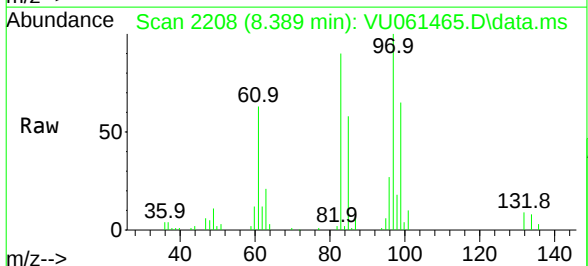




#45  
 1,1,2-Trichloroethane  
 Concen: 5.542 ug/L  
 RT: 8.389 min Scan# 2208  
 Delta R.T. 0.000 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

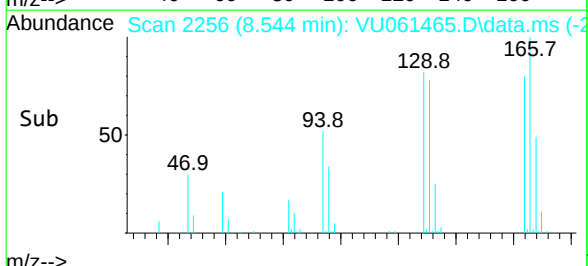
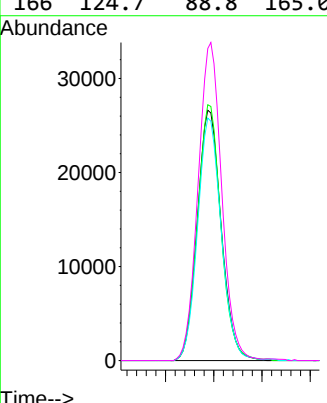
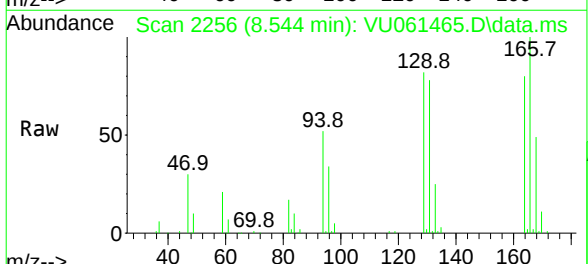
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0CD2MSD

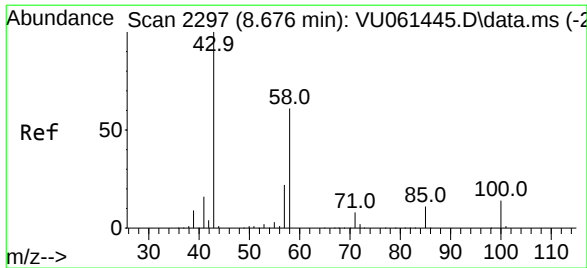
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 45659 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.2  | 44.1  | 81.9  |
| 83       | 90.3  | 61.2  | 113.6 |
| 85       | 57.6  | 38.1  | 70.7  |



#47  
 Tetrachloroethene  
 Concen: 5.355 ug/L  
 RT: 8.544 min Scan# 2256  
 Delta R.T. -0.003 min  
 Lab File: VU061465.D  
 Acq: 05 Nov 2024 20:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 45957 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 102.2 | 69.9  | 129.7 |
| 131      | 96.9  | 68.3  | 126.8 |
| 166      | 124.7 | 88.8  | 165.0 |

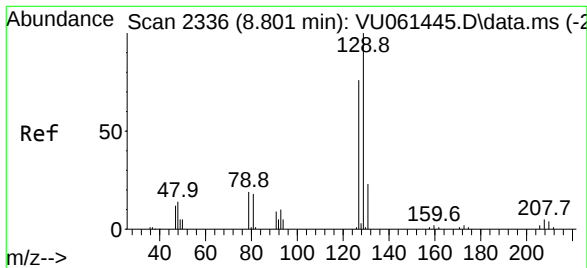
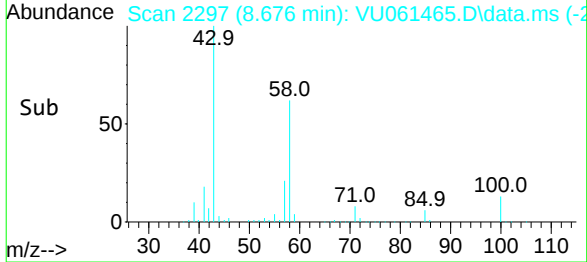
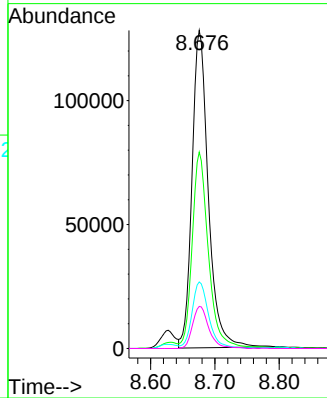
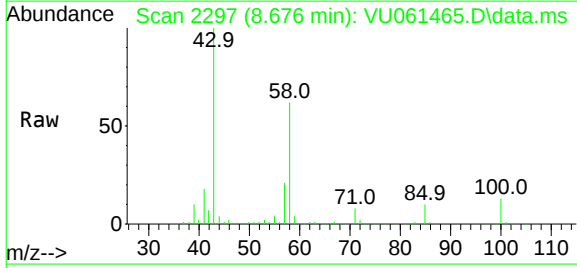




#48  
2-Hexanone  
Concen: 55.890 ug/L  
RT: 8.676 min Scan# 2297  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

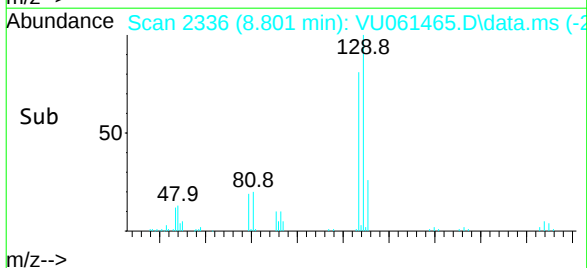
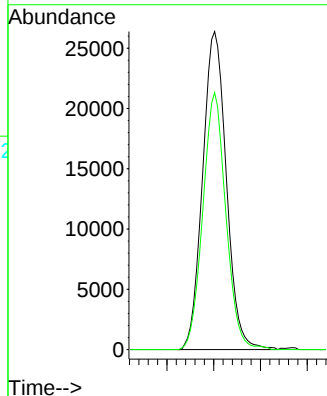
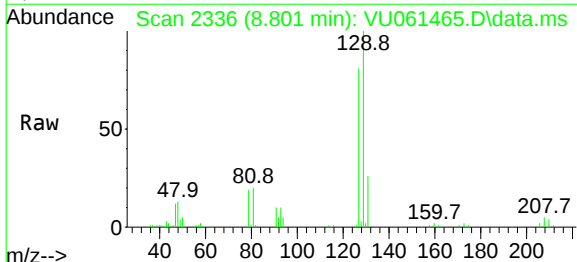
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CD2MSD

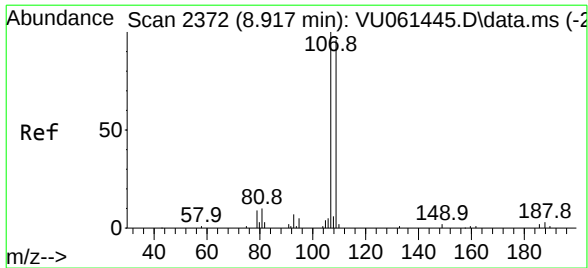
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 225208 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 60.4  | 48.6  | 72.8   |
| 57       | 21.2  | 17.0  | 25.6   |
| 100      | 13.3  | 10.4  | 15.6   |



#49  
Dibromochloromethane  
Concen: 4.979 ug/L  
RT: 8.801 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 46527 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 80.8  | 51.8  | 96.2  |

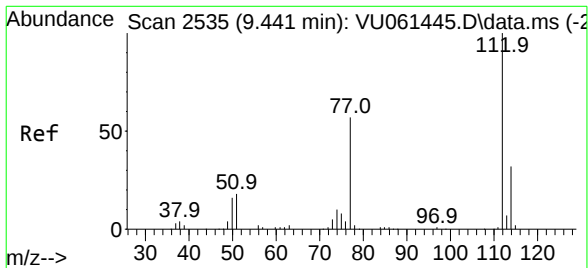
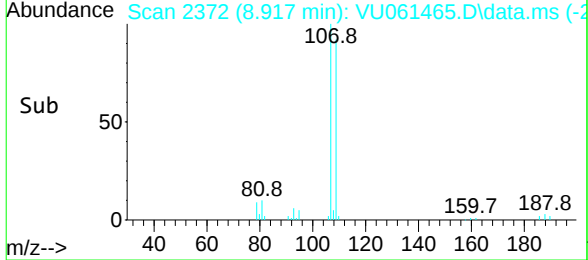
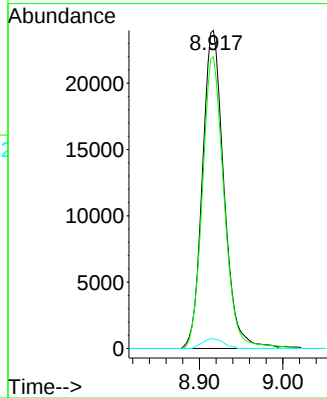
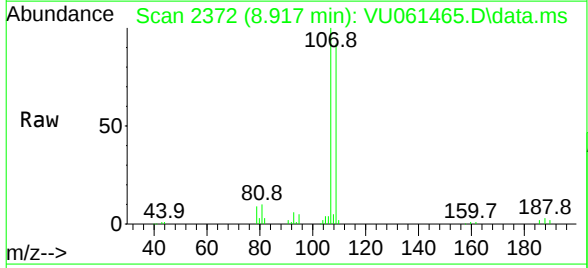




#50  
1,2-Dibromoethane  
Concen: 5.360 ug/L  
RT: 8.917 min Scan# 2372  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

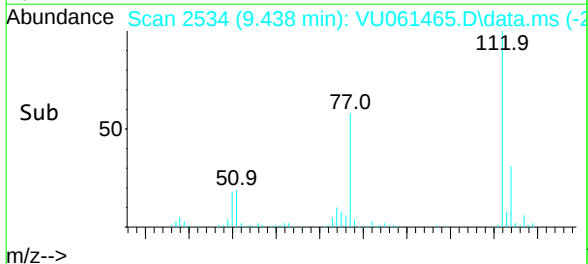
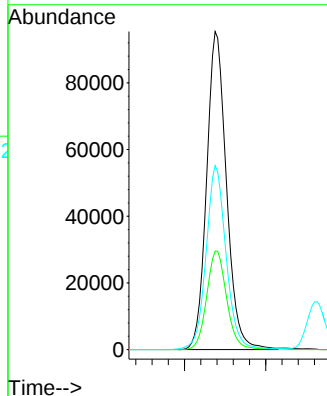
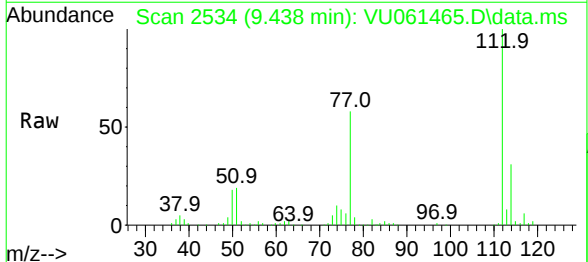
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CD2MSD

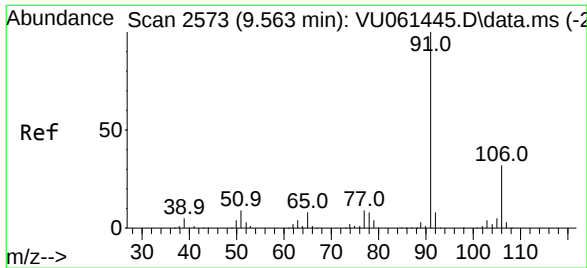
Tgt Ion:107 Resp: 42904  
Ion Ratio Lower Upper  
107 100  
109 91.7 63.4 117.8  
188 3.0 2.6 3.8



#51  
Chlorobenzene  
Concen: 5.217 ug/L  
RT: 9.438 min Scan# 2534  
Delta R.T. -0.003 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

Tgt Ion:112 Resp: 161740  
Ion Ratio Lower Upper  
112 100  
114 31.0 22.9 42.5  
77 57.9 47.1 70.7

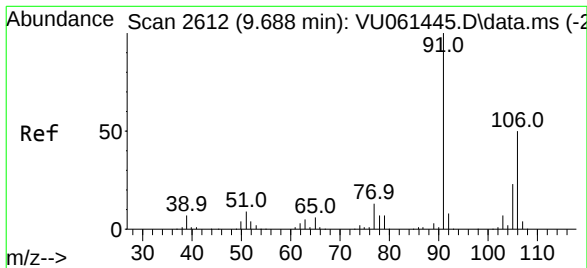
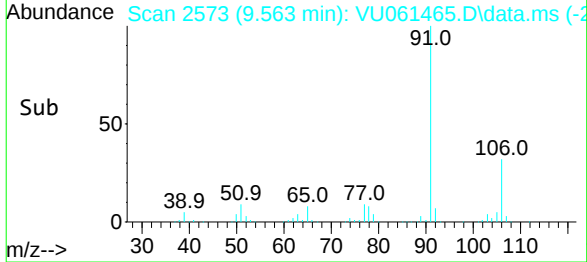
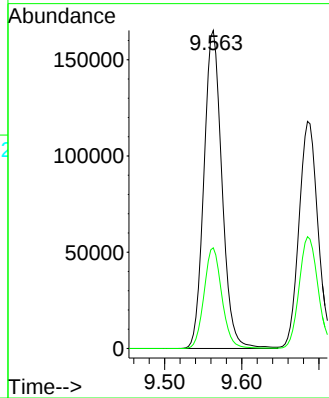
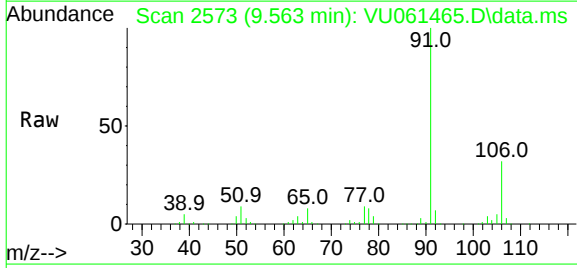




#52  
Ethylbenzene  
Concen: 4.974 ug/L  
RT: 9.563 min Scan# 2573  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

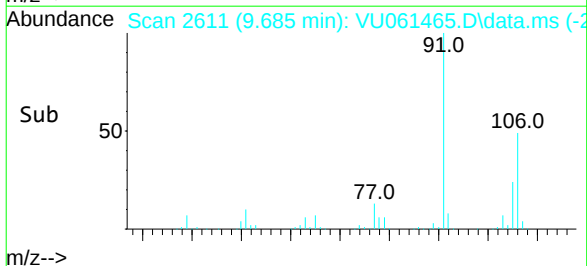
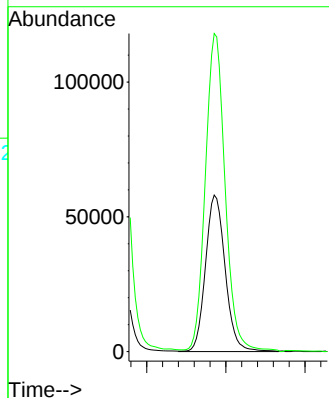
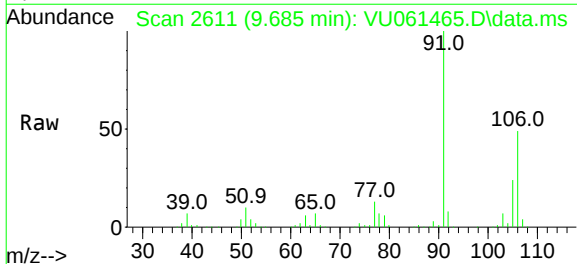
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CD2MSD

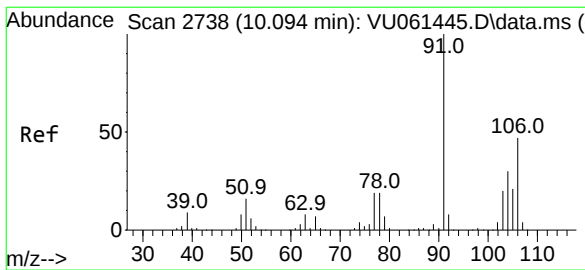
Tgt Ion: 91 Resp: 268351  
Ion Ratio Lower Upper  
91 100  
106 31.7 22.0 41.0



#53  
m,p-Xylene  
Concen: 4.890 ug/L  
RT: 9.685 min Scan# 2611  
Delta R.T. -0.003 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

Tgt Ion: 106 Resp: 100509  
Ion Ratio Lower Upper  
106 100  
91 203.2 145.7 270.7





#54

o-Xylene

Concen: 4.921 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU061465.D

Acq: 05 Nov 2024 20:17

Instrument :

MSVOA\_U

ClientSampleId :

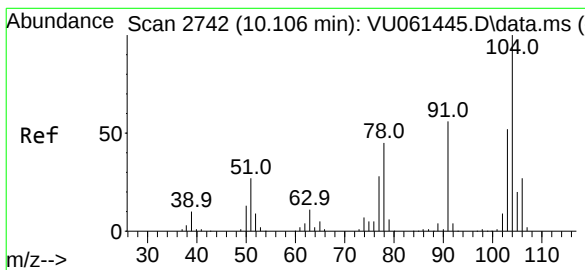
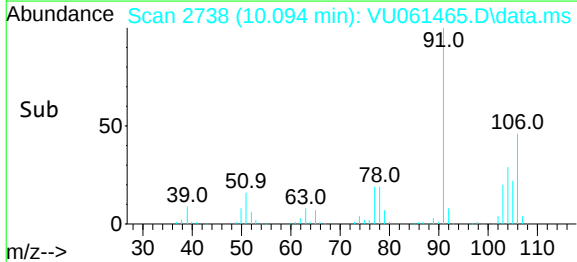
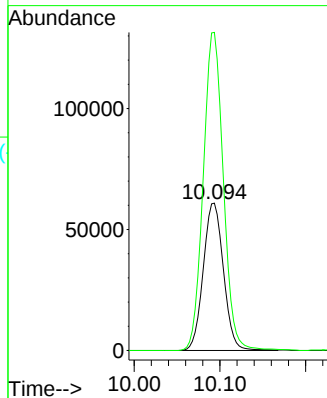
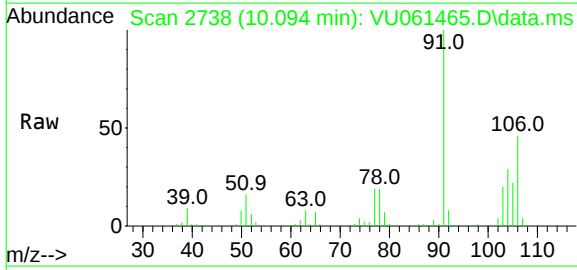
C0CD2MSD

Tgt Ion:106 Resp: 99826

Ion Ratio Lower Upper

106 100

91 215.9 148.8 276.4



#55

Styrene

Concen: 4.622 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU061465.D

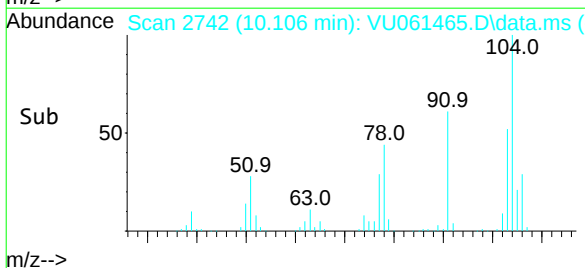
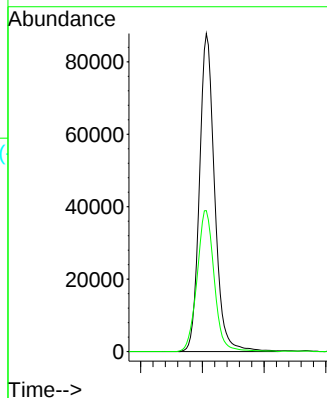
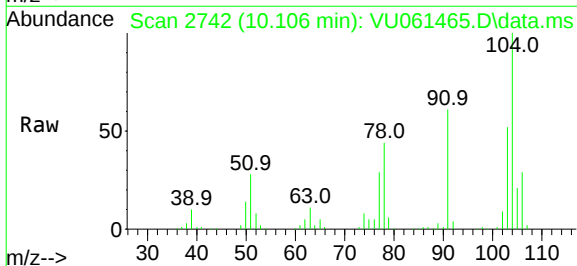
Acq: 05 Nov 2024 20:17

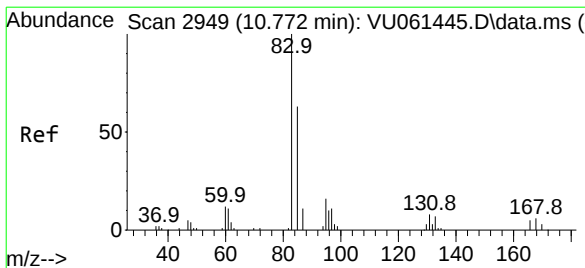
Tgt Ion:104 Resp: 150325

Ion Ratio Lower Upper

104 100

78 44.3 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.642 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU061465.D

Acq: 05 Nov 2024 20:17

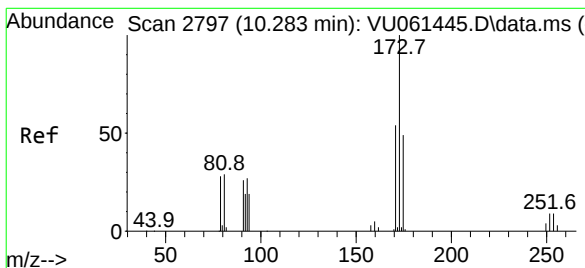
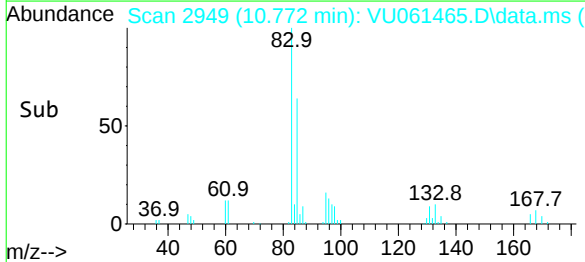
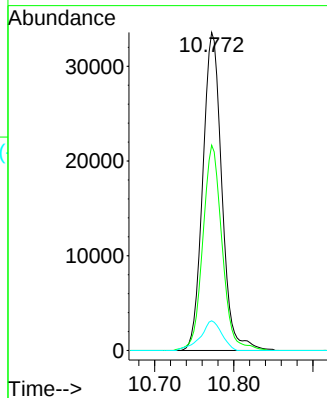
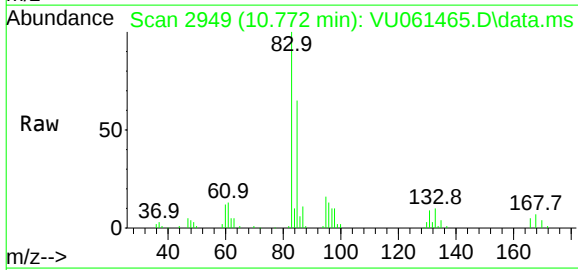
Instrument :

MSVOA\_U

ClientSampleId :

C0CD2MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 56016 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 64.5  | 45.3  | 84.1  |
| 131       | 9.3   | 7.6   | 11.4  |



#59

Bromoform

Concen: 4.683 ug/L

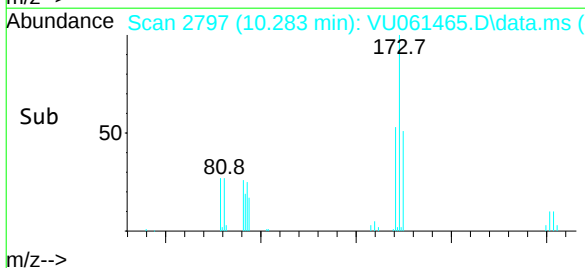
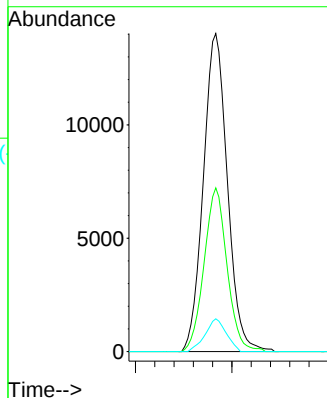
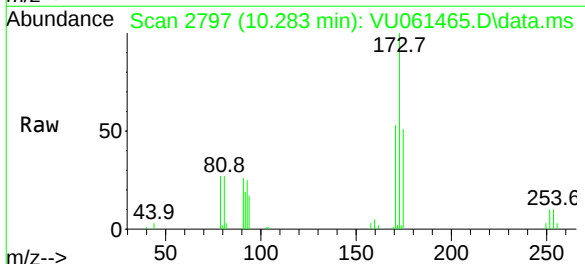
RT: 10.283 min Scan# 2797

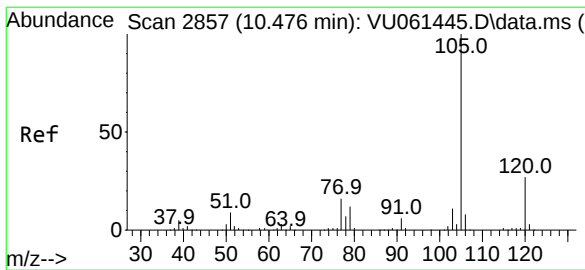
Delta R.T. 0.000 min

Lab File: VU061465.D

Acq: 05 Nov 2024 20:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 24302 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.2  | 39.0  | 58.4  |
| 254       | 9.0   | 6.8   | 10.2  |





#60

Isopropylbenzene

Concen: 4.933 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU061465.D

Acq: 05 Nov 2024 20:17

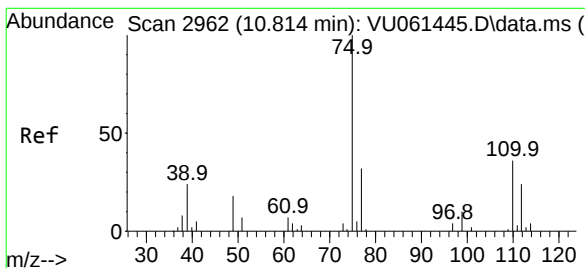
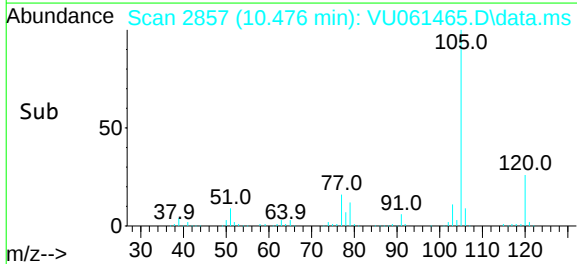
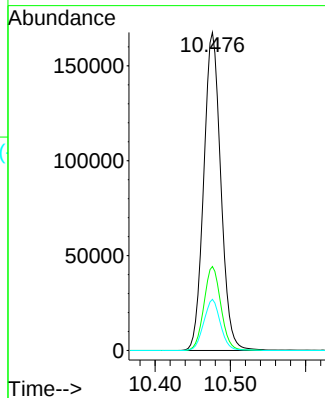
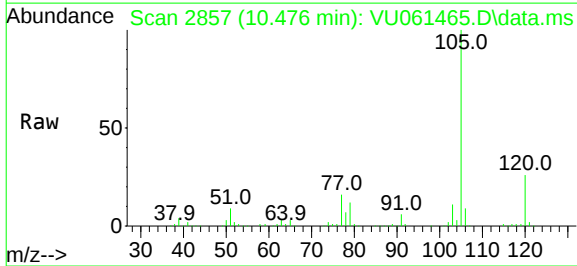
Instrument :

MSVOA\_U

ClientSampleId :

C0CD2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 264162 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 26.3  | 21.2  | 31.8   |
| 77        | 15.7  | 12.6  | 19.0   |



#61

1,2,3-Trichloropropane

Concen: 5.609 ug/L

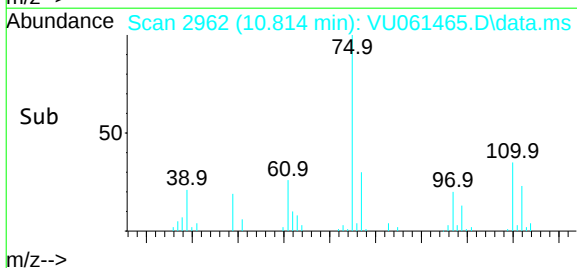
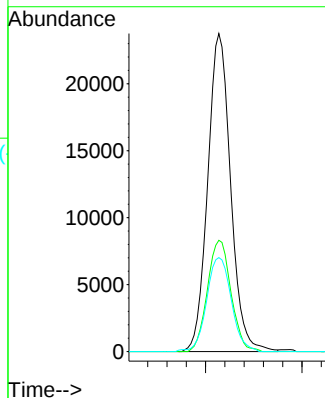
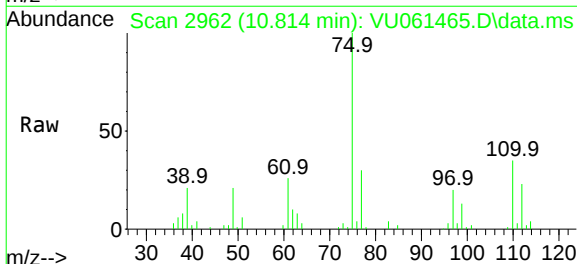
RT: 10.814 min Scan# 2962

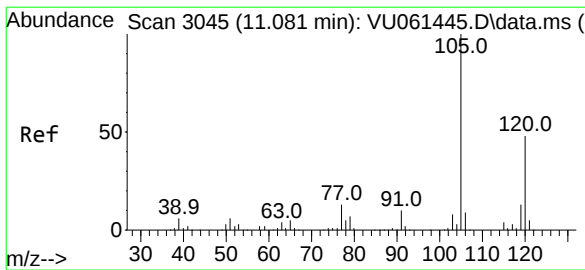
Delta R.T. 0.000 min

Lab File: VU061465.D

Acq: 05 Nov 2024 20:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 39170 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 35.9  | 28.8  | 43.2  |
| 77        | 31.8  | 25.7  | 38.5  |

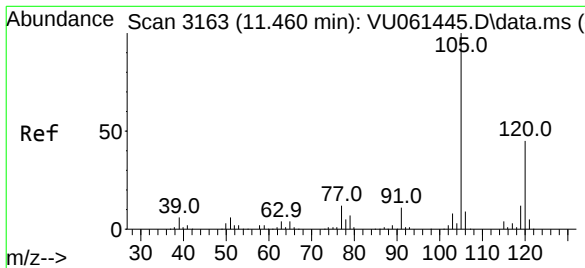
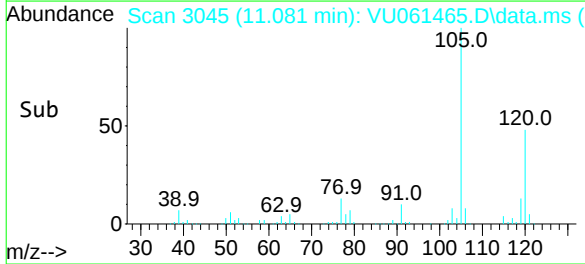
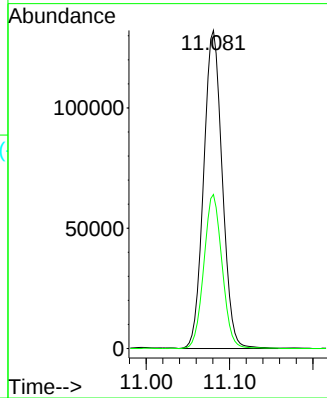
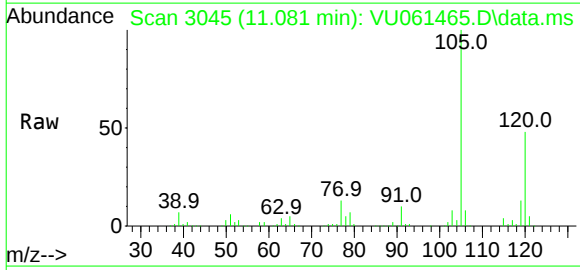




#62  
1,3,5-Trimethylbenzene  
Concen: 4.704 ug/L  
RT: 11.081 min Scan# 3045  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

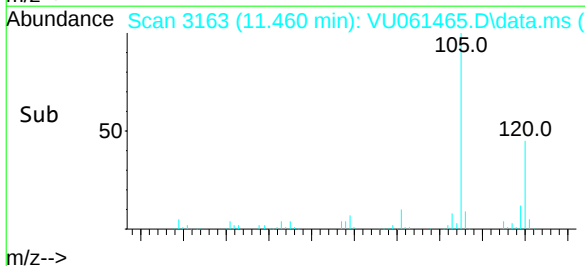
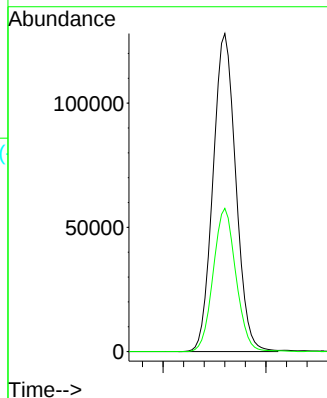
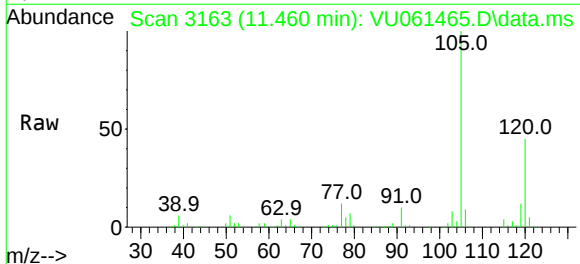
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CD2MSD

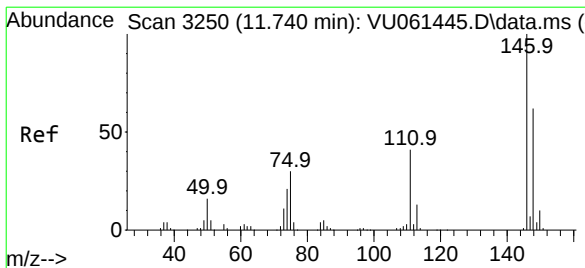
Tgt Ion:105 Resp: 205091  
Ion Ratio Lower Upper  
105 100  
120 47.5 38.7 58.1



#63  
1,2,4-Trimethylbenzene  
Concen: 4.573 ug/L  
RT: 11.460 min Scan# 3163  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

Tgt Ion:105 Resp: 197087  
Ion Ratio Lower Upper  
105 100  
120 44.9 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 5.196 ug/L

RT: 11.737 min Scan# 32

Delta R.T. -0.003 min

Lab File: VU061465.D

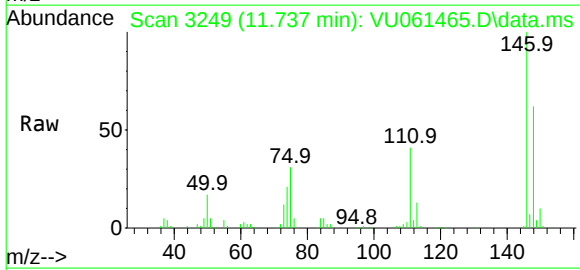
Acq: 05 Nov 2024 20:17

Instrument :

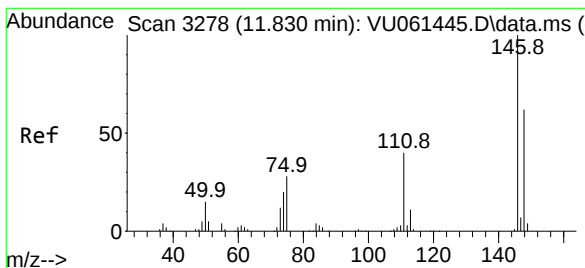
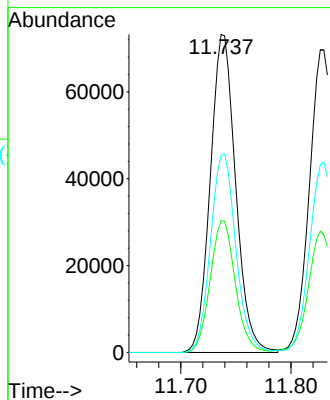
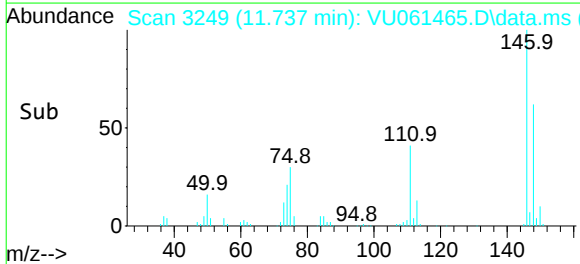
MSVOA\_U

ClientSampleId :

C0CD2MSD



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 117120 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 41.4  | 30.0  | 55.8   |
| 148      | 62.1  | 45.1  | 83.7   |



#65

1,4-Dichlorobenzene

Concen: 5.017 ug/L

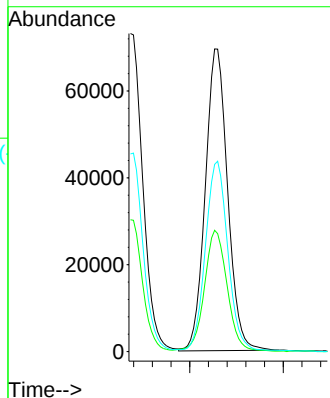
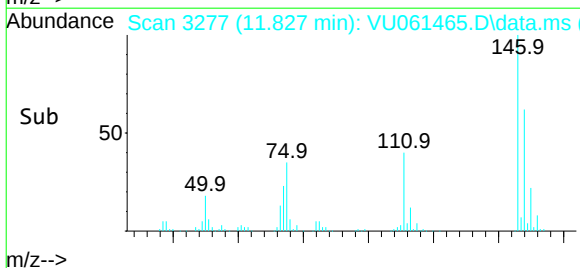
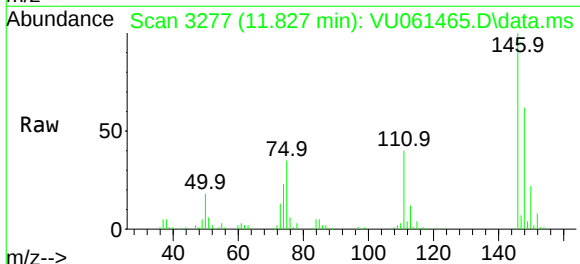
RT: 11.827 min Scan# 3277

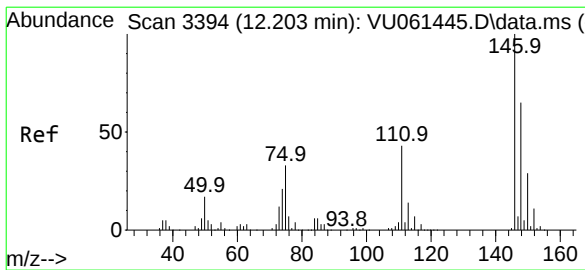
Delta R.T. -0.003 min

Lab File: VU061465.D

Acq: 05 Nov 2024 20:17

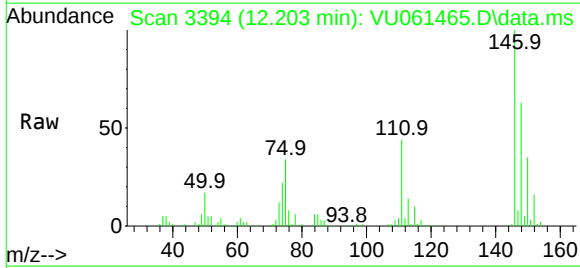
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 115268 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 40.1  | 28.2  | 52.4   |
| 148      | 61.9  | 43.3  | 80.3   |



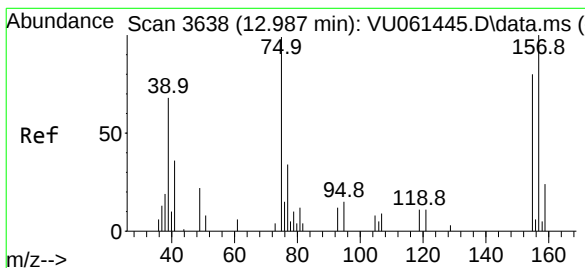
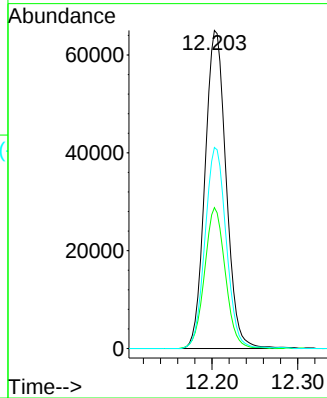
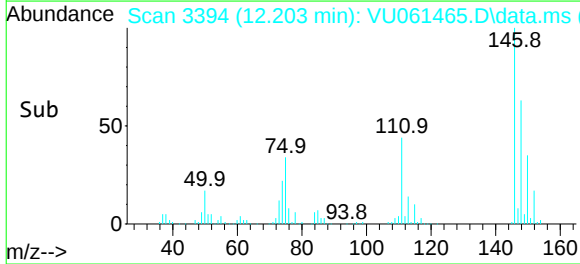


#67  
1,2-Dichlorobenzene  
Concen: 5.245 ug/L  
RT: 12.203 min Scan# 3394  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CD2MSD

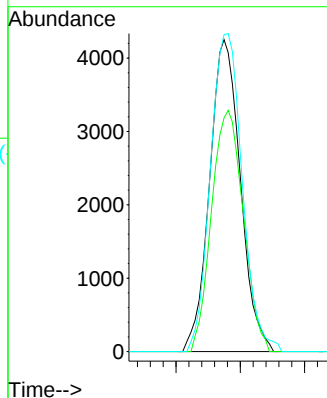
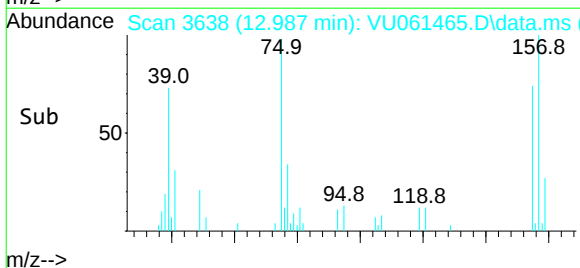
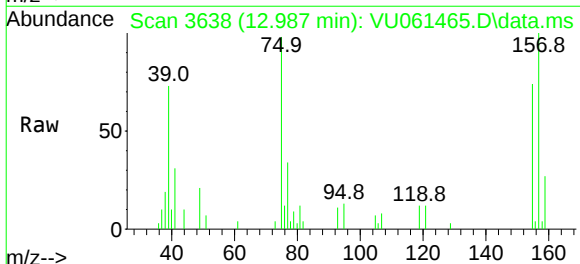


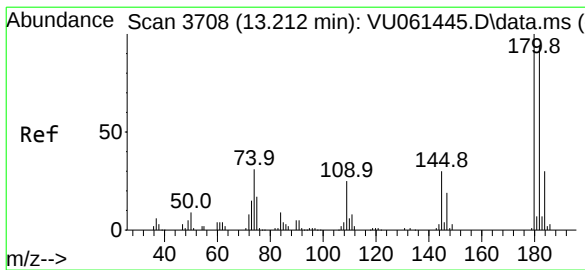
Tgt Ion: 146 Resp: 111274  
Ion Ratio Lower Upper  
146 100  
111 44.3 35.2 52.8  
148 63.2 51.3 76.9



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.822 ug/L  
RT: 12.987 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

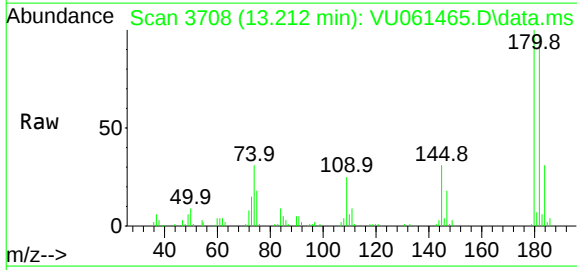
Tgt Ion: 75 Resp: 7070  
Ion Ratio Lower Upper  
75 100  
155 74.9 69.3 103.9  
157 101.6 81.4 122.2



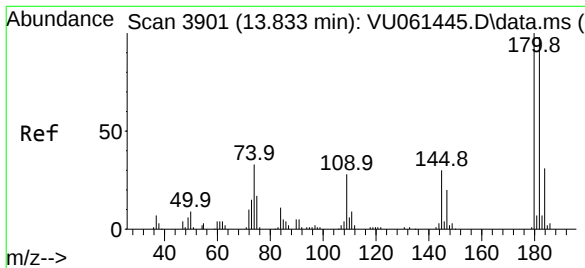
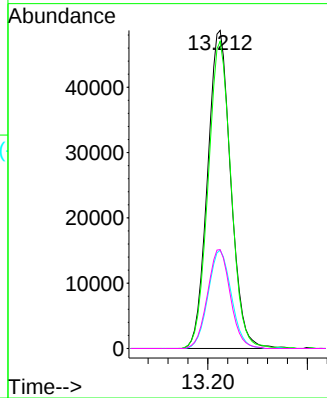
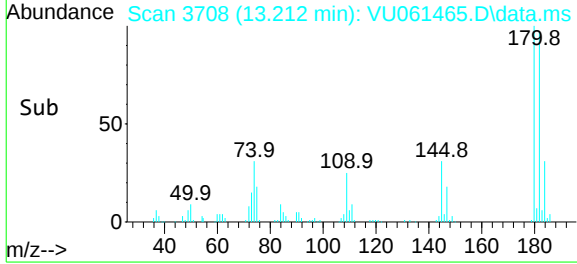


1,3,5-Trichlorobenzene  
Concen: 5.097 ug/L  
RT: 13.212 min Scan# 3708  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17

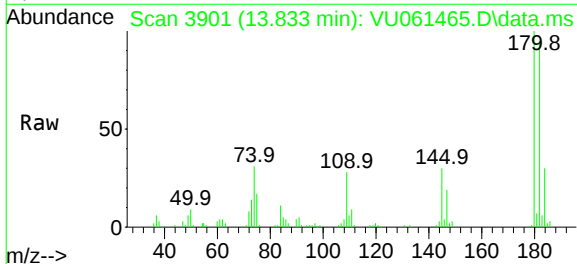
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CD2MSD



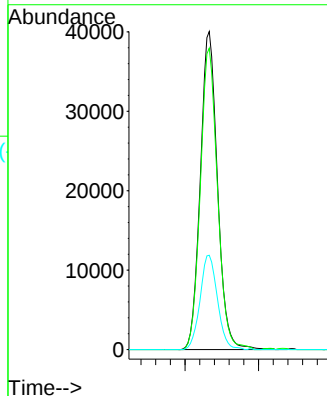
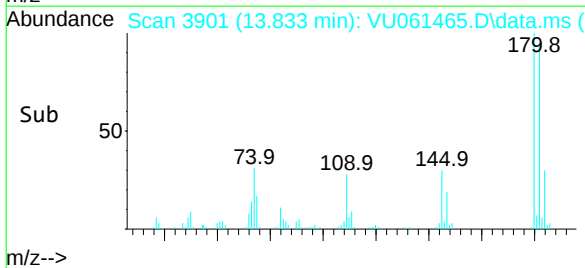
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 78745 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.3  | 77.4  | 116.2 |
| 184       | 30.9  | 24.4  | 36.6  |
| 145       | 30.8  | 25.2  | 37.8  |

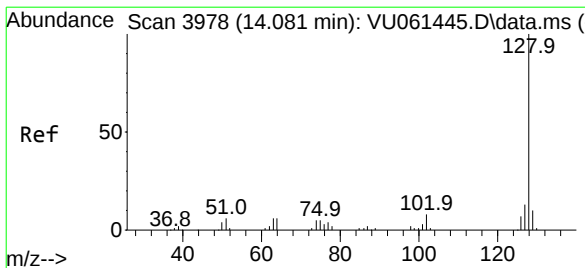


1,2,4-trichlorobenzene  
Concen: 5.208 ug/L  
RT: 13.833 min Scan# 3901  
Delta R.T. 0.000 min  
Lab File: VU061465.D  
Acq: 05 Nov 2024 20:17



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 64942 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.9  | 77.2  | 115.8 |
| 145       | 30.0  | 25.6  | 38.4  |





#71

Naphthalene

Concen: 5.300 ug/L

RT: 14.081 min Scan# 39

Delta R.T. 0.000 min

Lab File: VU061465.D

Acq: 05 Nov 2024 20:17

Instrument :

MSVOA\_U

ClientSampleId :

C0CD2MSD

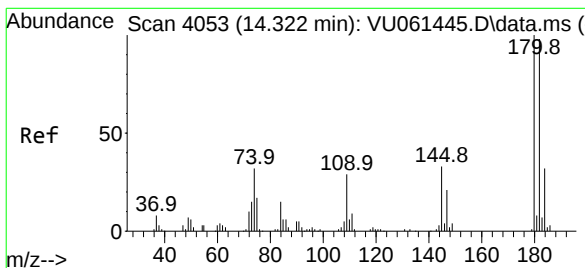
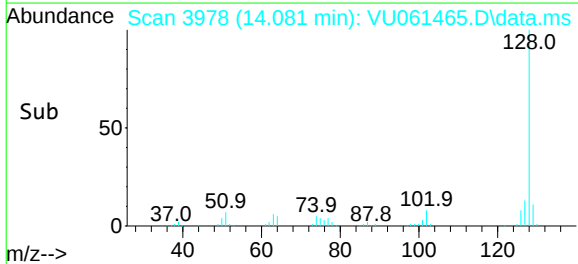
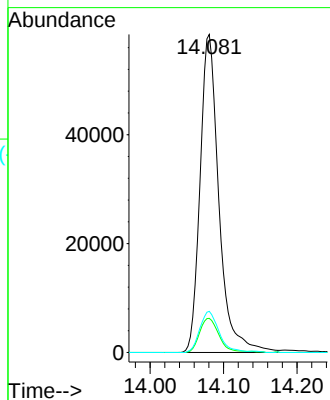
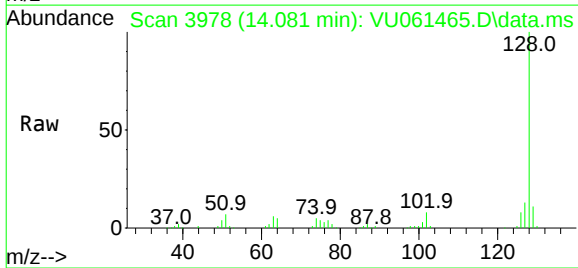
Tgt Ion:128 Resp: 104269

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

127 13.1 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.574 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU061465.D

Acq: 05 Nov 2024 20:17

Tgt Ion:180 Resp: 58145

Ion Ratio Lower Upper

180 100

182 95.1 76.0 114.0

145 31.7 26.5 39.7

