

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110524\  
 Data File : VU061488.D  
 Acq On : 06 Nov 2024 06:45  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 06 07:12:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 06 00:52:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 155816   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 144439   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 65853    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 38538    | 3.641    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 72.800%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 42129    | 4.342    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 86.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 16945    | 3.742    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 74.800%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 117935   | 54.879   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.760% |
| 24) Chloroform-d              | 5.052  | 84    | 99451    | 4.950    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 49871    | 4.980    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.600%  |
| 32) Benzene-d6                | 5.718  | 84    | 186488   | 4.582    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 59935    | 4.898    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.000%  |
| 41) Toluene-d8                | 7.891  | 98    | 164955   | 4.335    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.600%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 20098    | 4.024    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 80.400%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 109310   | 53.434   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 106.860% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 49668    | 5.368    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 107.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 56635    | 4.857    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 40202    | 3.870    | ug/L   | 98       |
| 3) Chloromethane              | 1.518  | 50    | 47311    | 4.319    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.599  | 62    | 51488    | 4.275    | ug/L   | 96       |
| 6) Bromomethane               | 1.853  | 94    | 34186    | 4.283    | ug/L   | 96       |
| 8) Chloroethane               | 1.930  | 64    | 46431    | 5.236    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 67358    | 4.118    | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 35687    | 3.674    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 39772    | 4.317    | ug/L   | 98       |
| 13) Acetone                   | 2.644  | 43    | 71306    | 52.388   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.785  | 76    | 108270   | 3.523    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.952  | 43    | 18680    | 5.542    | ug/L   | 100      |
| 16) Methylene chloride        | 3.039  | 84    | 54752    | 5.044    | ug/L   | 94       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 133393   | 5.343    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 46492    | 4.564    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 98005    | 5.101    | ug/L   | 99       |
| 21) 2-Butanone                | 4.705  | 43    | 122220   | 56.641   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 60414    | 5.192    | ug/L   | 94       |
| 23) Bromochloromethane        | 4.965  | 128   | 27254    | 5.567    | ug/L   | 97       |
| 25) Chloroform                | 5.078  | 83    | 106905   | 5.292    | ug/L   | 99       |

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 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 06 07:12:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 06 00:52:59 2024  
 Response via : Initial Calibration

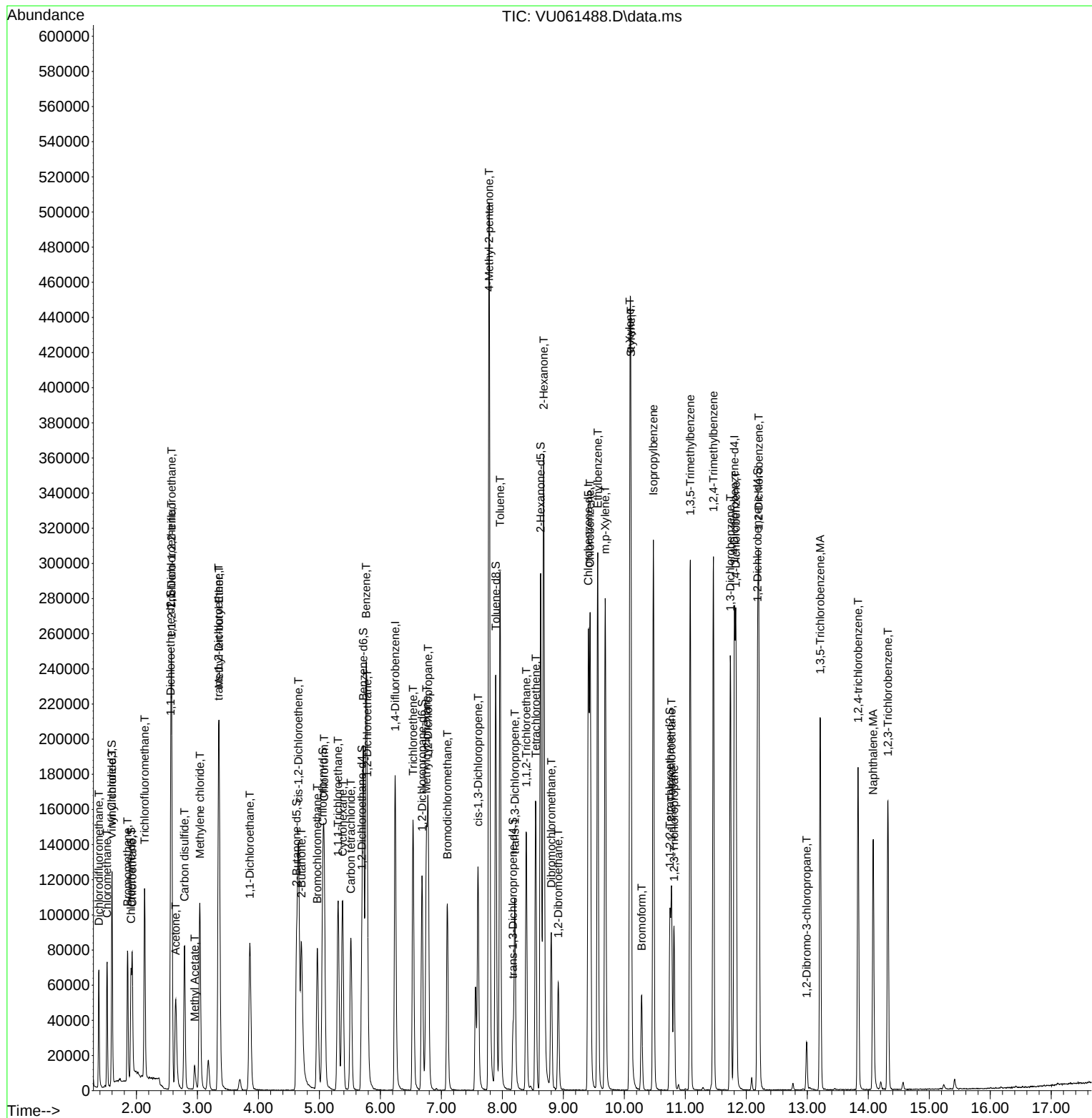
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 66858    | 5.237  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 79256    | 4.481  | ug/L  | 100      |
| 30) Cyclohexane               | 5.380  | 56   | 54117    | 3.050  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 59694    | 3.944  | ug/L  | 98       |
| 33) Benzene                   | 5.766  | 78   | 219173   | 4.906  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 53969    | 4.441  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.753  | 83   | 55953    | 2.893  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 60801    | 5.370  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 70979    | 4.953  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 79248    | 4.532  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 313118   | 55.564 | ug/L  | 98       |
| 42) Toluene                   | 7.962  | 91   | 225282   | 4.644  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 63800    | 4.478  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.390  | 97   | 45982    | 5.643  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.547  | 164  | 36002    | 4.242  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.676  | 43   | 220307   | 55.285 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.801  | 129  | 45978    | 4.975  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 42640    | 5.387  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.438  | 112  | 145846   | 4.757  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.563  | 91   | 223422   | 4.187  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.685  | 106  | 84671    | 4.165  | ug/L  | 96       |
| 54) o-Xylene                  | 10.090 | 106  | 85892    | 4.281  | ug/L  | 98       |
| 55) Styrene                   | 10.107 | 104  | 145709   | 4.530  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 55467    | 5.649  | ug/L  | 98       |
| 59) Bromoform                 | 10.283 | 173  | 24351    | 4.995  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.476 | 105  | 210200   | 4.178  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 38373    | 5.850  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 165815   | 4.049  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 168432   | 4.161  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 101244   | 4.782  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 101423   | 4.699  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 99697    | 5.003  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 7148     | 5.189  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 66874    | 4.608  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 56085    | 4.789  | ug/L  | 98       |
| 71) Naphthalene               | 14.081 | 128  | 122526   | 6.630  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 50424    | 5.146  | ug/L  | 99       |

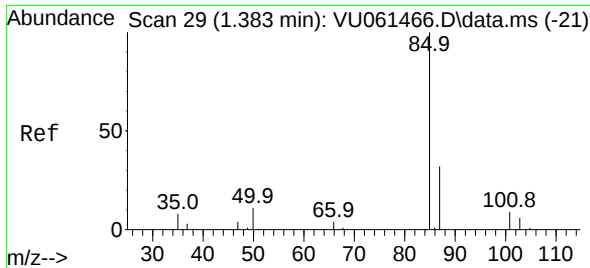
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VSTDCCC005EC  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Nov 06 07:12:07 2024  
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QLast Update : Wed Nov 06 00:52:59 2024  
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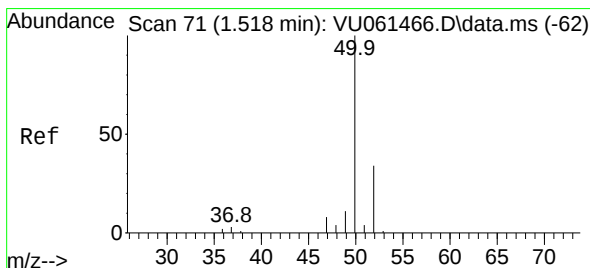
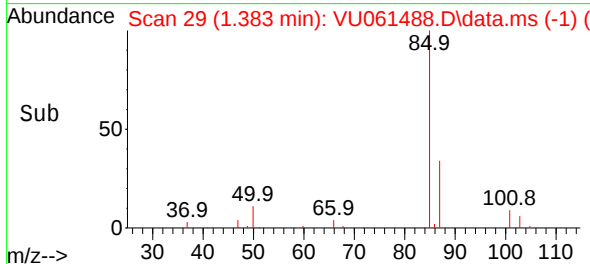
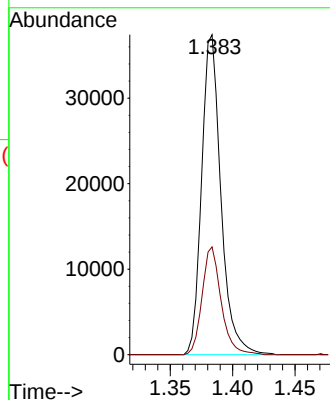
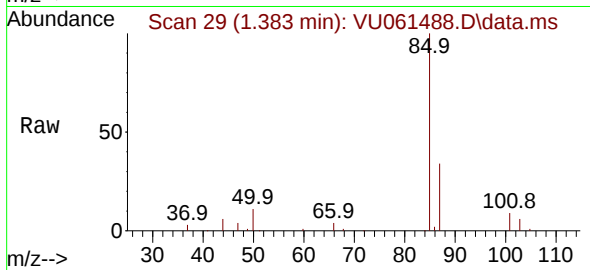




#2  
 Dichlorodifluoromethane  
 Concen: 3.870 ug/L  
 RT: 1.383 min Scan# 29  
 Delta R.T. 0.000 min  
 Lab File: VU061488.D  
 Acq: 06 Nov 2024 06:45

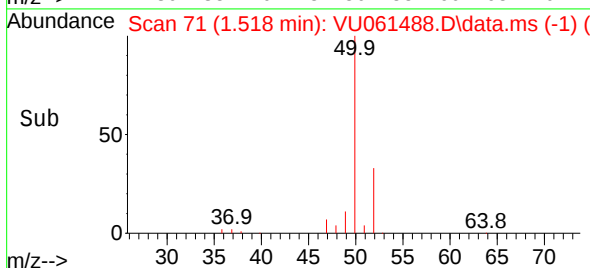
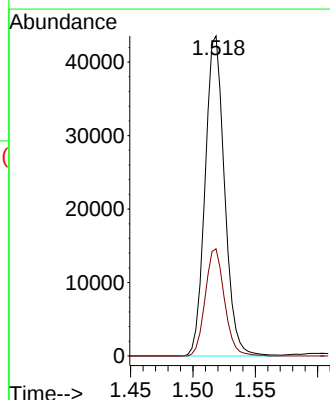
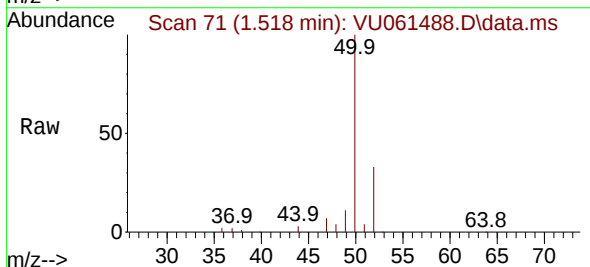
Instrument :  
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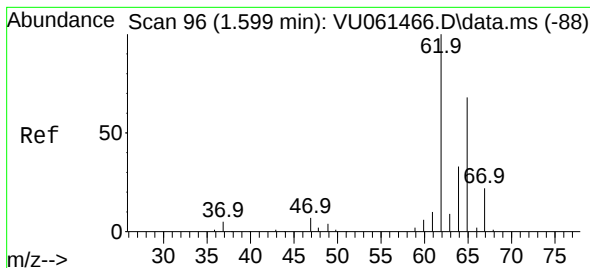
Tgt Ion: 85 Resp: 40202  
 Ion Ratio Lower Upper  
 85 100  
 87 33.2 25.7 38.5



#3  
 Chloromethane  
 Concen: 4.319 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VU061488.D  
 Acq: 06 Nov 2024 06:45

Tgt Ion: 50 Resp: 47311  
 Ion Ratio Lower Upper  
 50 100  
 52 33.5 23.4 43.4





#5

Vinyl chloride

Concen: 4.275 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

Instrument :

MSVOA\_U

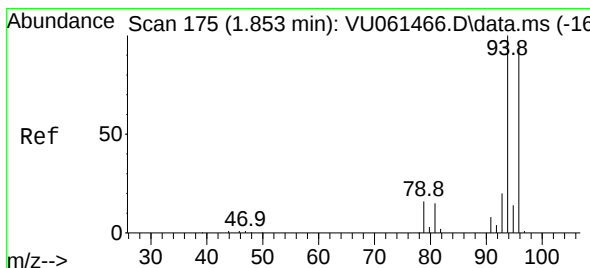
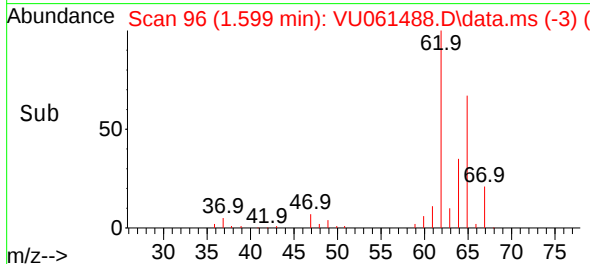
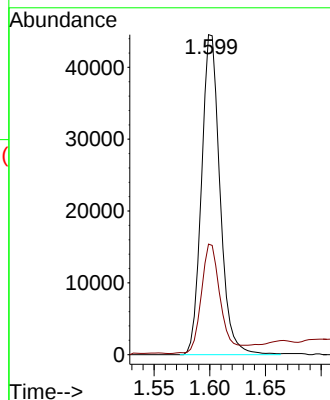
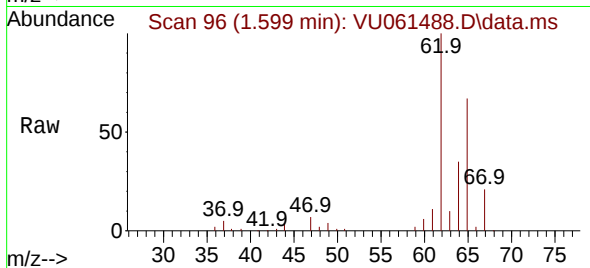
ClientSampleId :

Tgt Ion: 62 Resp: 51488

Ion Ratio Lower Upper

62 100

64 34.6 22.6 42.0



#6

Bromomethane

Concen: 4.283 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU061488.D

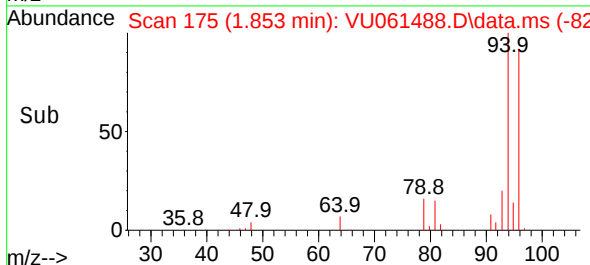
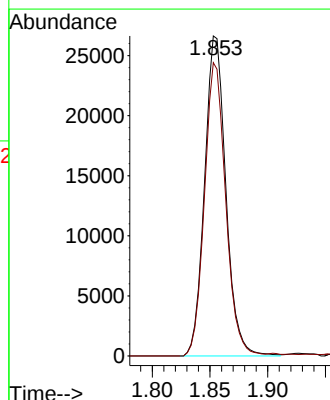
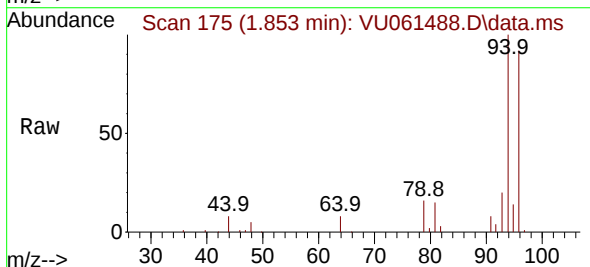
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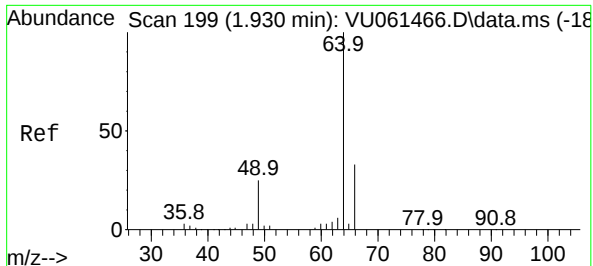
Tgt Ion: 94 Resp: 34186

Ion Ratio Lower Upper

94 100

96 91.6 66.9 124.3

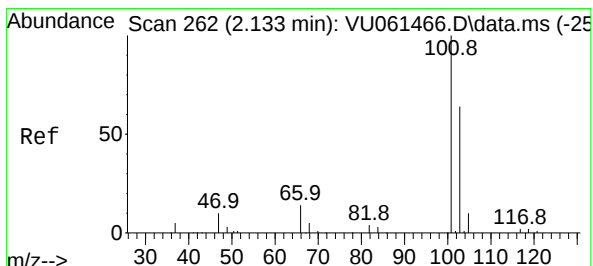
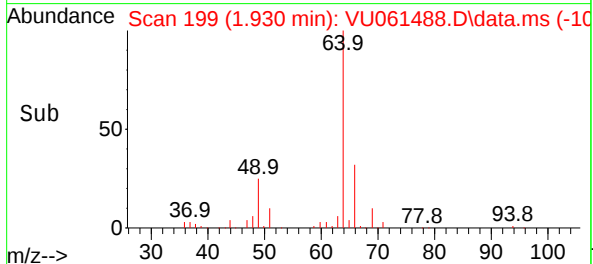
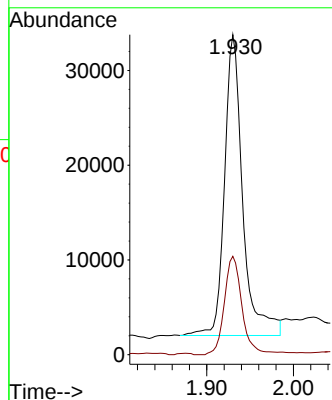
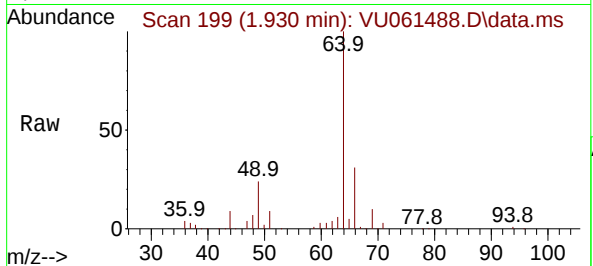




#8  
Chloroethane  
Concen: 5.236 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

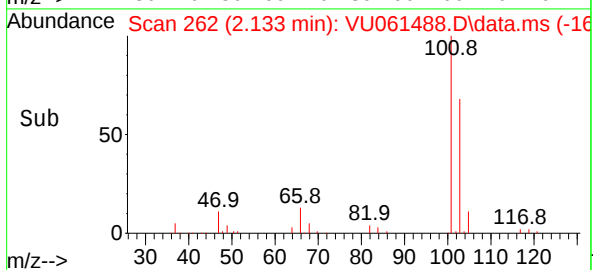
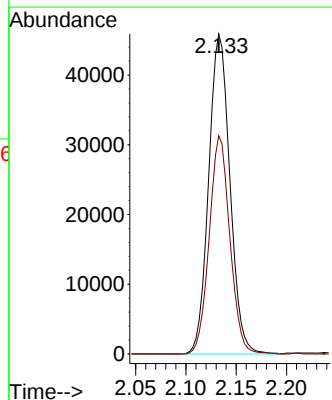
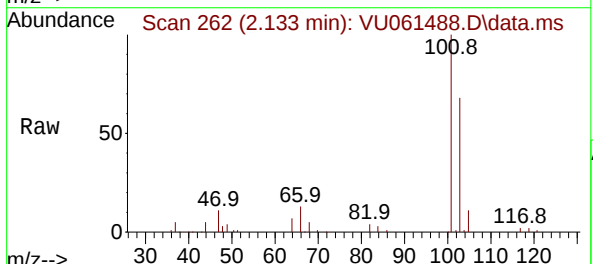
Instrument :  
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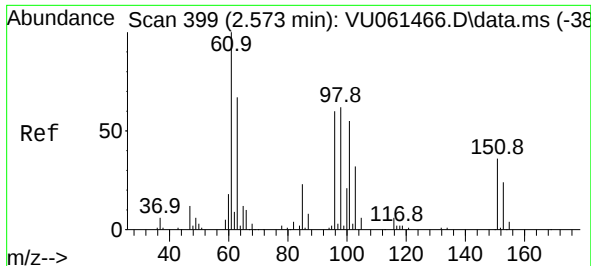
Tgt Ion: 64 Resp: 46431  
Ion Ratio Lower Upper  
64 100  
66 30.8 23.1 42.9



#9  
Trichlorofluoromethane  
Concen: 4.118 ug/L  
RT: 2.133 min Scan# 262  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

Tgt Ion:101 Resp: 67358  
Ion Ratio Lower Upper  
101 100  
103 66.2 50.6 75.8

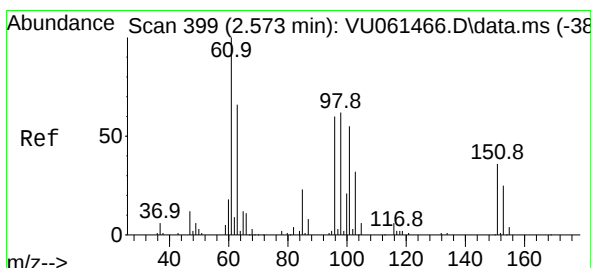
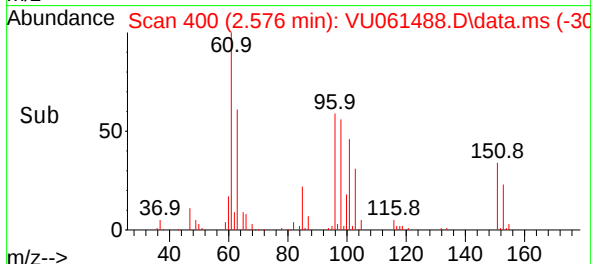
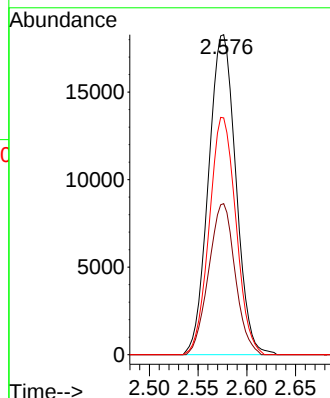
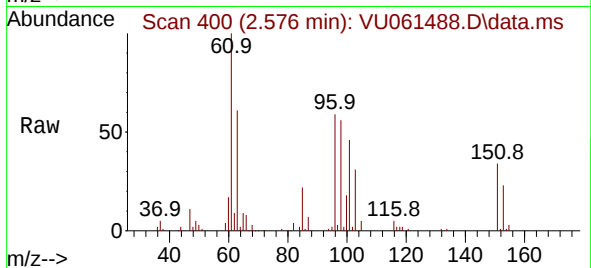




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 3.674 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. 0.003 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

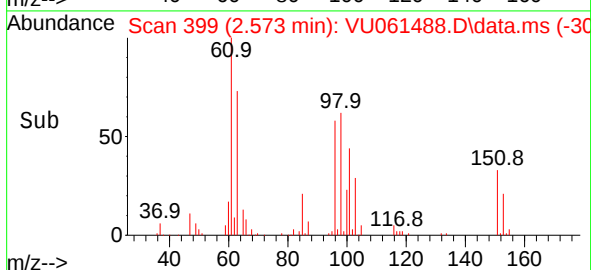
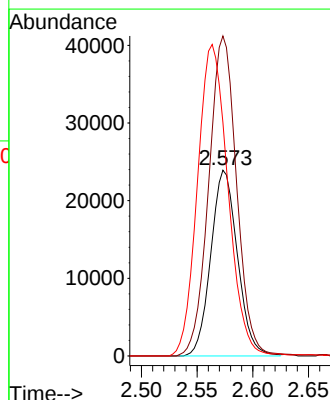
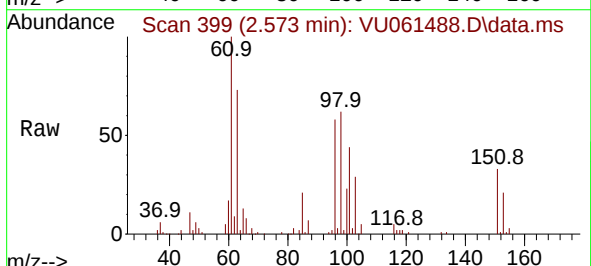
Instrument :  
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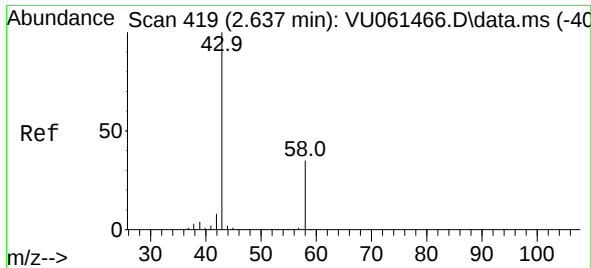
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Ion Ratio Lower Upper  
101 100  
85 45.6 35.6 53.4  
151 72.4 55.9 83.9



#12  
1,1-Dichloroethene  
Concen: 4.317 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

Tgt Ion: 96 Resp: 39772  
Ion Ratio Lower Upper  
96 100  
61 172.3 119.1 221.1  
63 125.7 89.4 166.0





#13

Acetone

Concen: 52.388 ug/L

RT: 2.644 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

Instrument :

MSVOA\_U

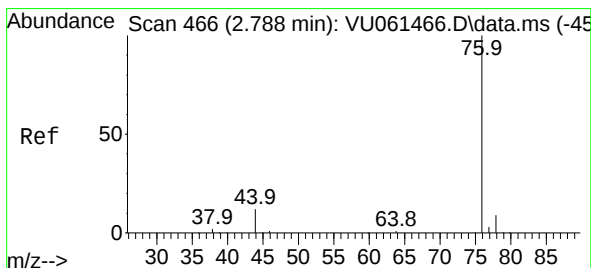
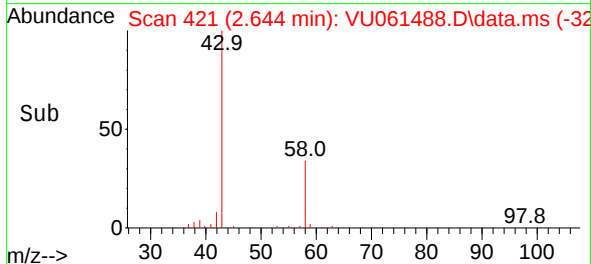
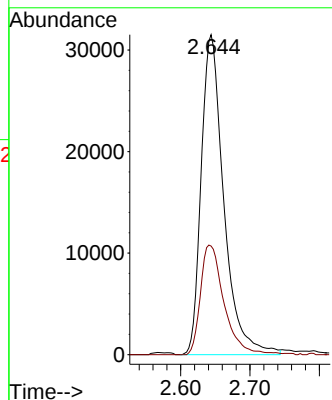
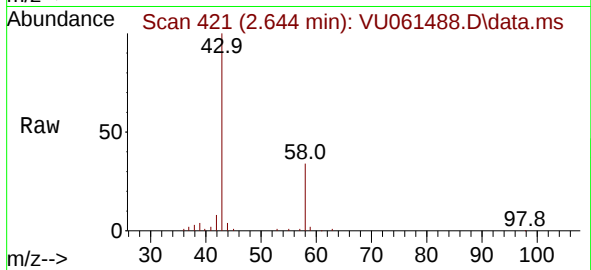
ClientSampleId :

Tgt Ion: 43 Resp: 71306

Ion Ratio Lower Upper

43 100

58 35.7 0.0 73.2



#14

Carbon disulfide

Concen: 3.523 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU061488.D

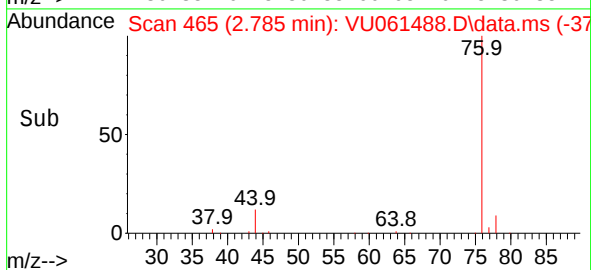
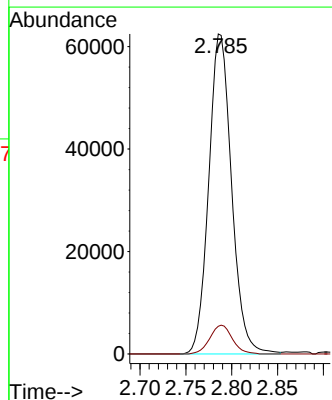
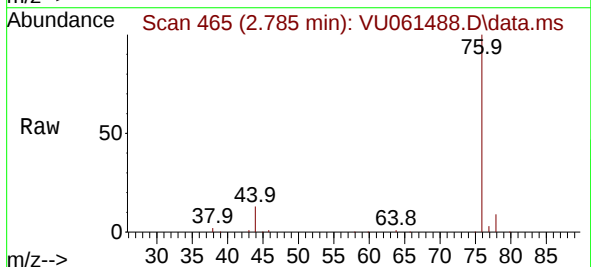
Acq: 06 Nov 2024 06:45

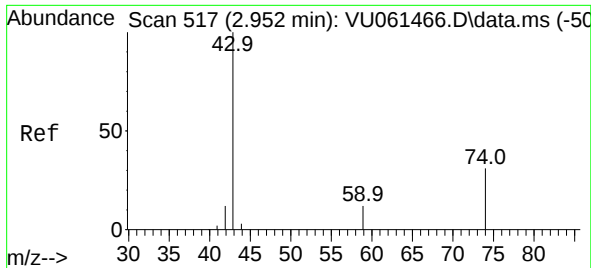
Tgt Ion: 76 Resp: 108270

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2





#15

Methyl Acetate

Concen: 5.542 ug/L

RT: 2.952 min Scan# 517

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

Instrument :

MSVOA\_U

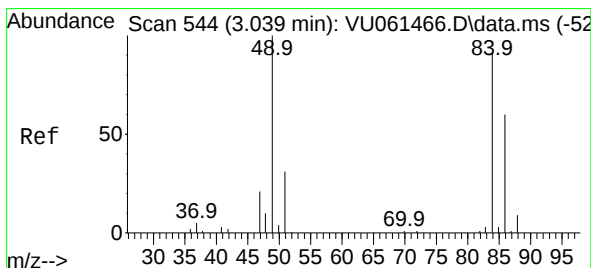
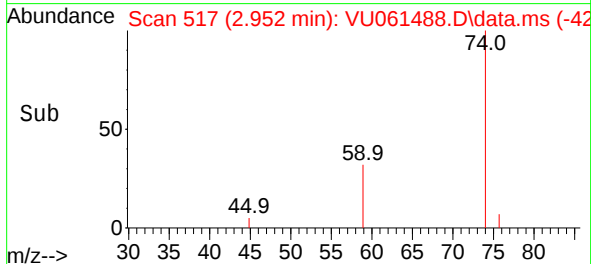
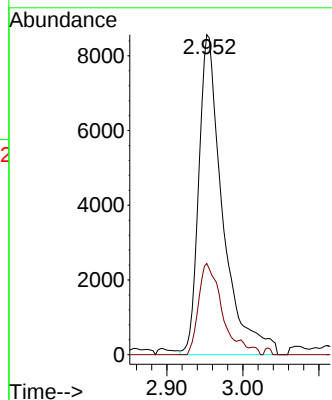
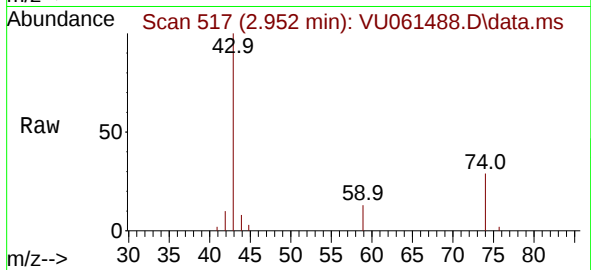
ClientSampleId :

Tgt Ion: 43 Resp: 18680

Ion Ratio Lower Upper

43 100

74 27.7 22.2 33.4



#16

Methylene chloride

Concen: 5.044 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

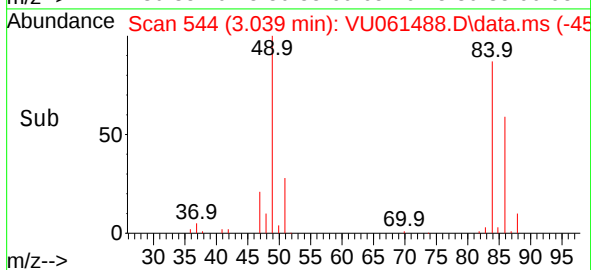
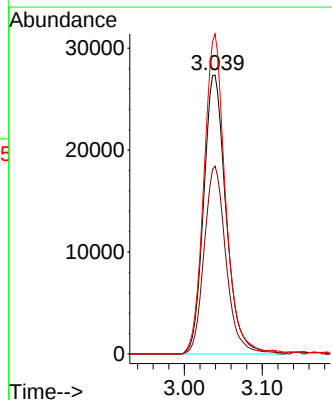
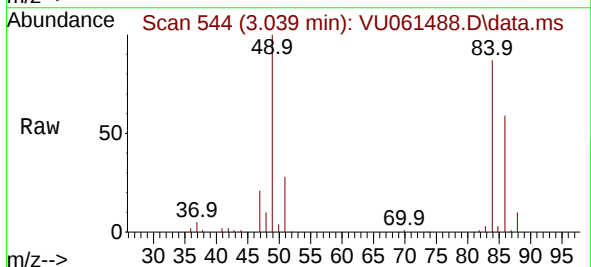
Tgt Ion: 84 Resp: 54752

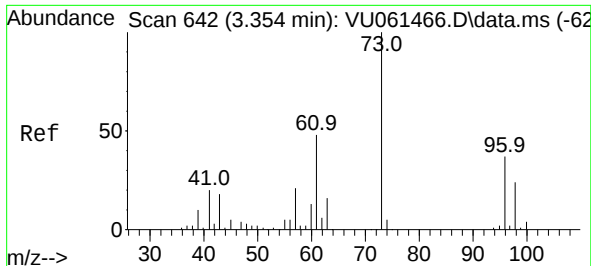
Ion Ratio Lower Upper

84 100

86 67.3 43.5 80.7

49 114.7 75.7 140.7

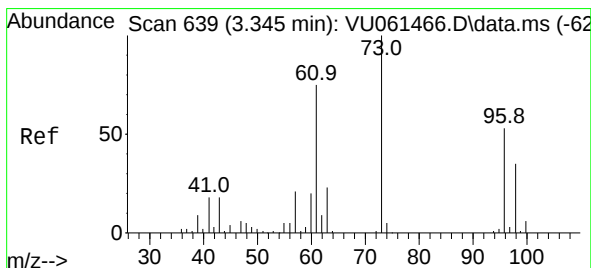
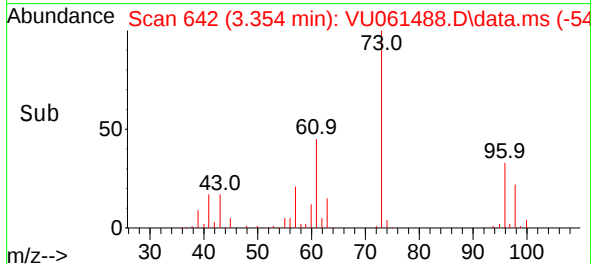
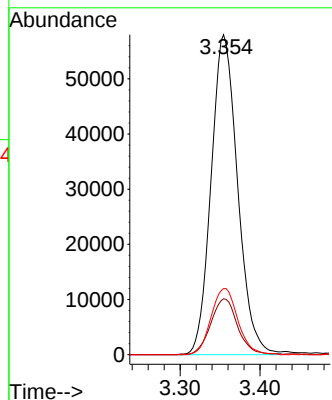
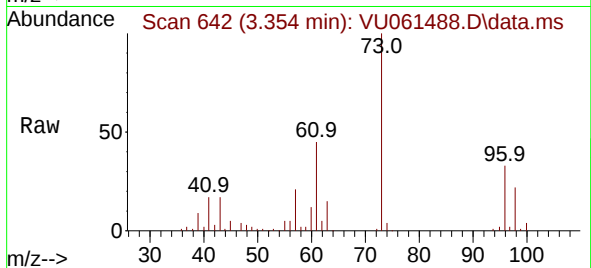




#17  
Methyl tert-butyl Ether  
Concen: 5.343 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

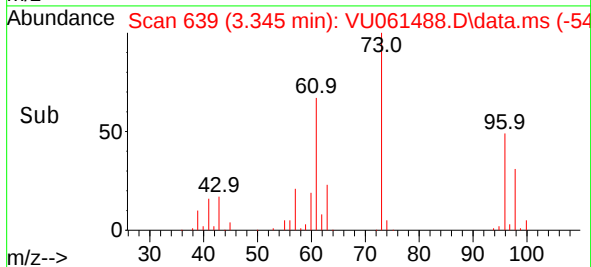
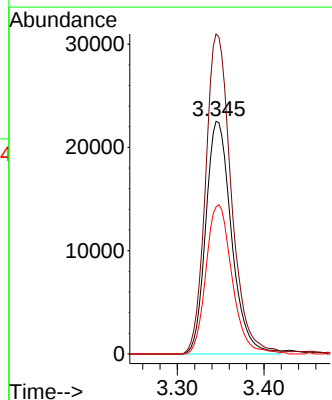
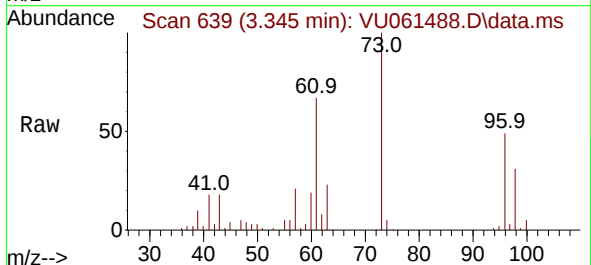
Instrument :  
MSVOA\_U  
ClientSampleId :

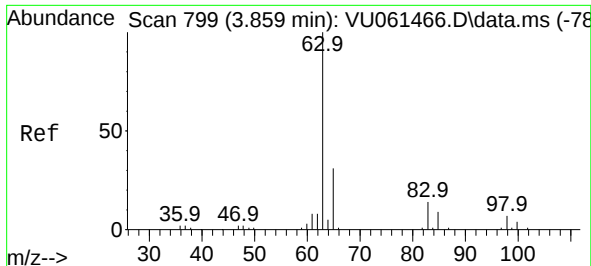
Tgt Ion: 73 Resp: 133393  
Ion Ratio Lower Upper  
73 100  
43 17.2 15.0 22.4  
57 21.0 17.0 25.6



#18  
trans-1,2-Dichloroethene  
Concen: 4.564 ug/L  
RT: 3.345 min Scan# 639  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

Tgt Ion: 96 Resp: 46492  
Ion Ratio Lower Upper  
96 100  
61 137.5 97.9 181.7  
98 63.2 46.2 85.8

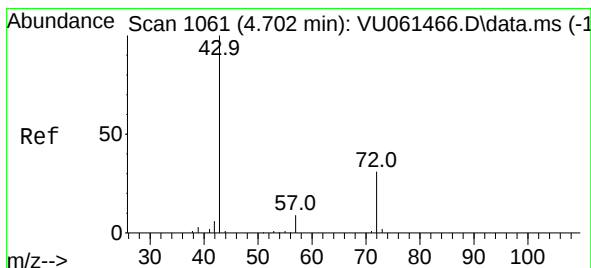
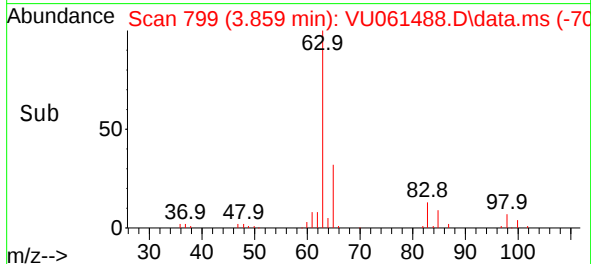
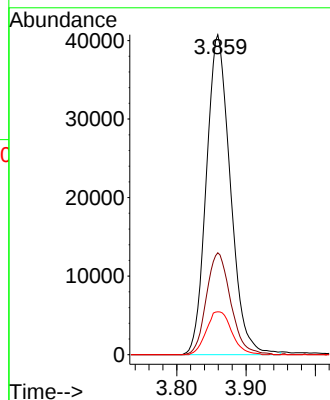
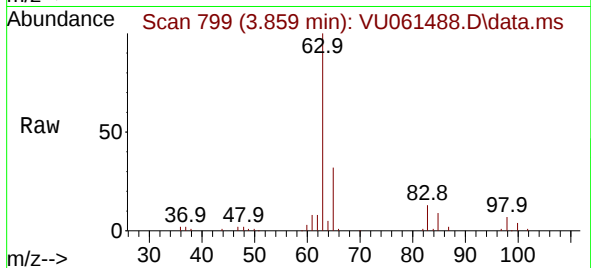




#19  
1,1-Dichloroethane  
Concen: 5.101 ug/L  
RT: 3.859 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

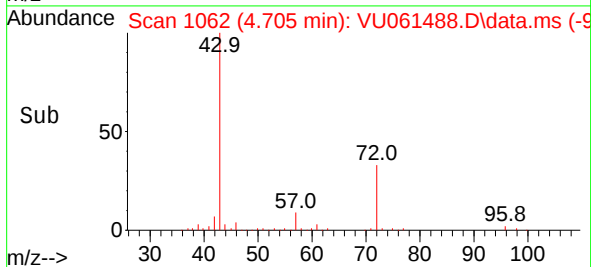
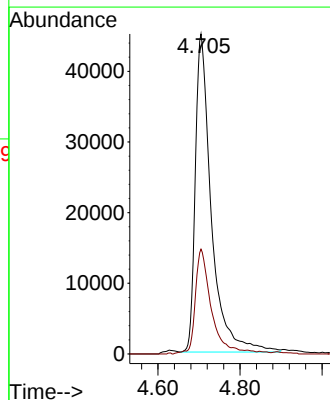
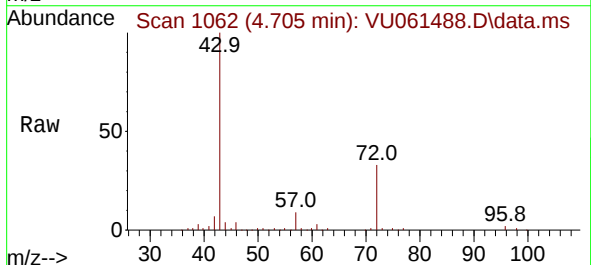
Instrument :  
MSVOA\_U  
ClientSampleId :

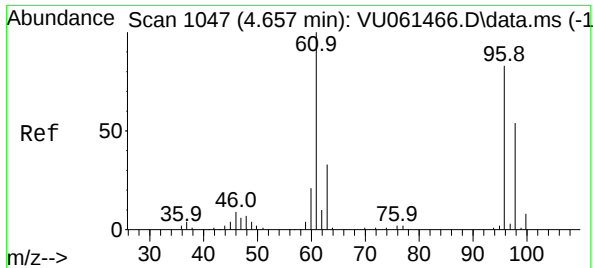
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 98005 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.9  | 23.0  | 42.6  |
| 83       | 13.4  | 9.7   | 17.9  |



#21  
2-Butanone  
Concen: 56.641 ug/L  
RT: 4.705 min Scan# 1062  
Delta R.T. 0.003 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 122220 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 72       | 32.3  | 15.9  | 47.6   |

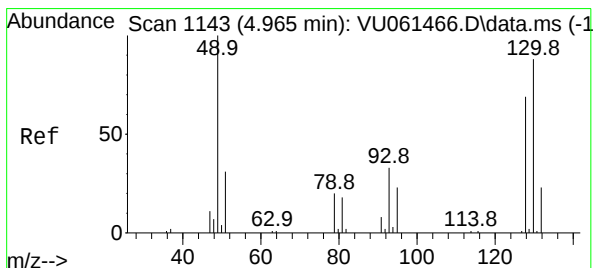
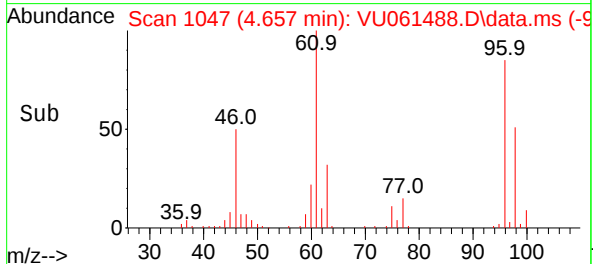
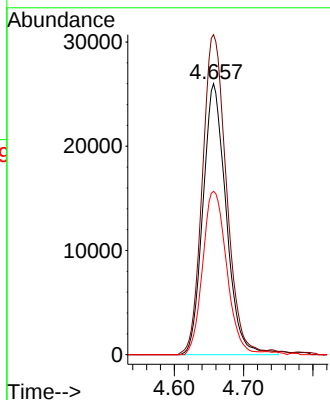
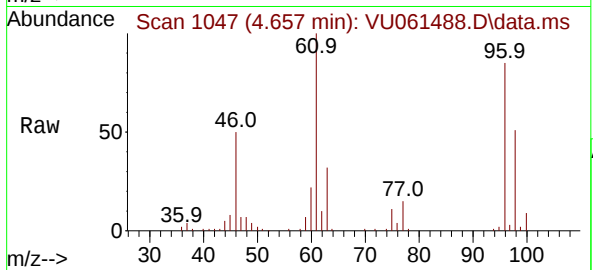




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.192 ug/L  
 RT: 4.657 min Scan# 1047  
 Delta R.T. 0.000 min  
 Lab File: VU061488.D  
 Acq: 06 Nov 2024 06:45

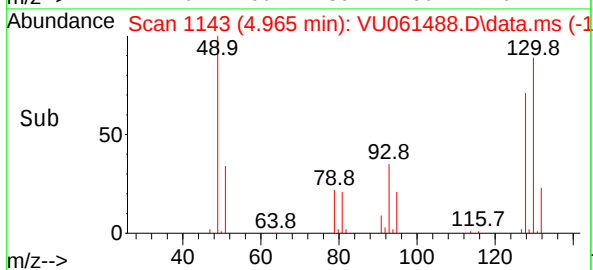
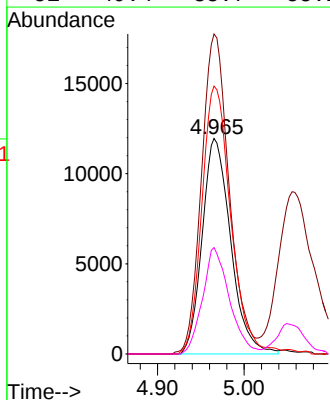
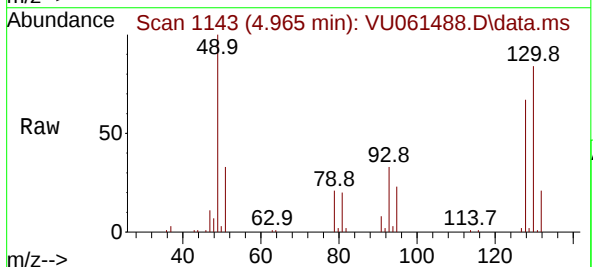
Instrument :  
 MSVOA\_U  
 ClientSampleId :

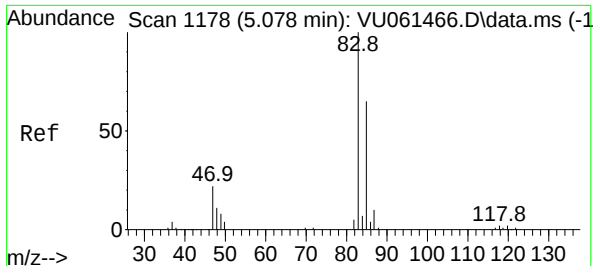
Tgt Ion: 96 Resp: 60414  
 Ion Ratio Lower Upper  
 96 100  
 61 118.1 88.1 163.5  
 98 60.3 45.0 83.6



#23  
 Bromochloromethane  
 Concen: 5.567 ug/L  
 RT: 4.965 min Scan# 1143  
 Delta R.T. 0.000 min  
 Lab File: VU061488.D  
 Acq: 06 Nov 2024 06:45

Tgt Ion:128 Resp: 27254  
 Ion Ratio Lower Upper  
 128 100  
 49 153.7 105.1 195.1  
 130 124.3 89.6 166.4  
 51 49.4 38.7 58.1





#25

Chloroform

Concen: 5.292 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

Instrument :

MSVOA\_U

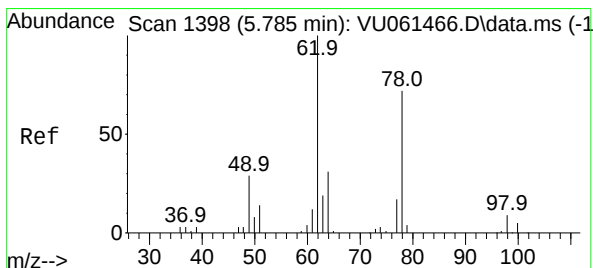
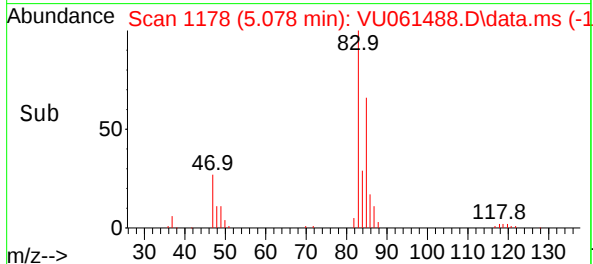
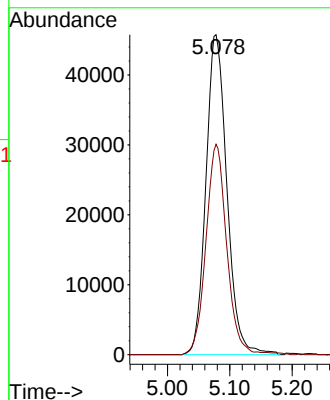
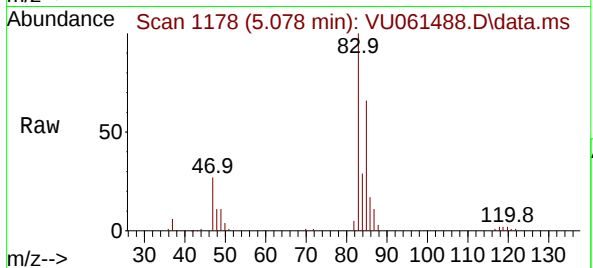
ClientSampleId :

Tgt Ion: 83 Resp: 106905

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.237 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU061488.D

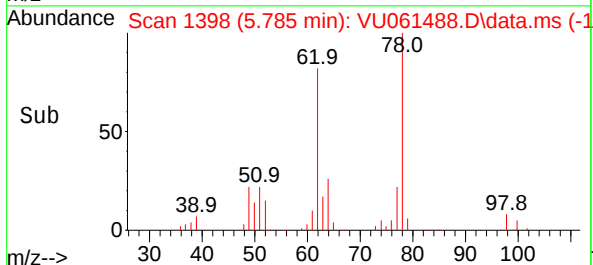
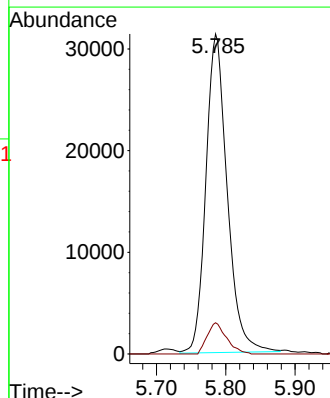
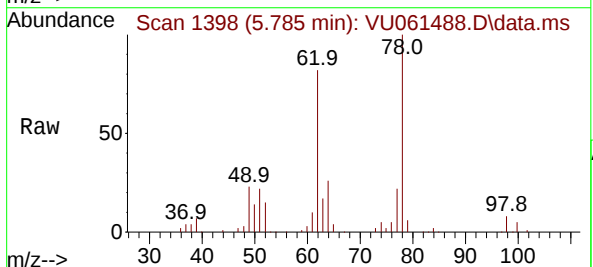
Acq: 06 Nov 2024 06:45

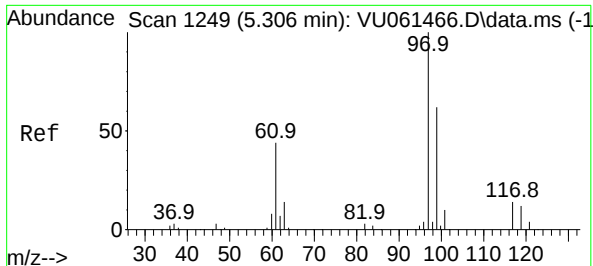
Tgt Ion: 62 Resp: 66858

Ion Ratio Lower Upper

62 100

98 9.7 7.4 11.0

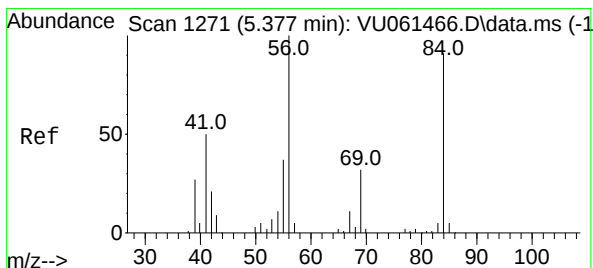
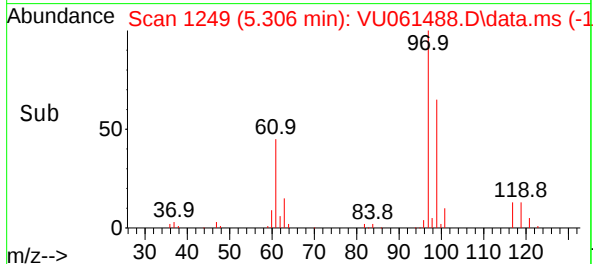
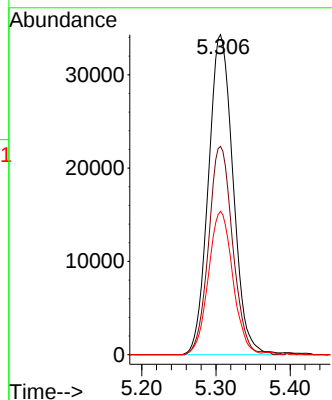
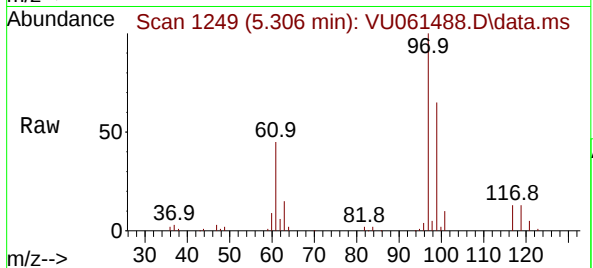




#29  
1,1,1-Trichloroethane  
Concen: 4.481 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

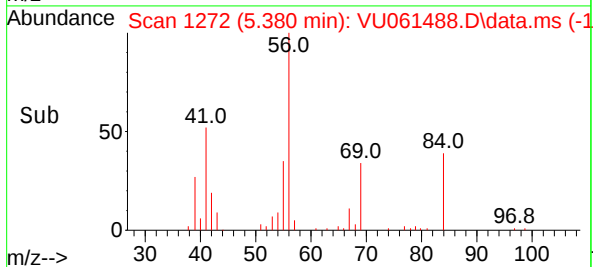
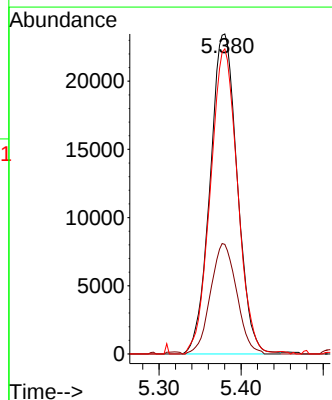
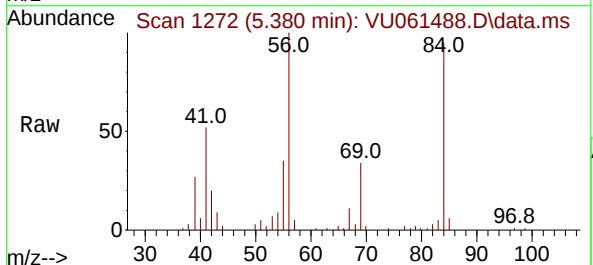
Instrument :  
MSVOA\_U  
ClientSampleId :

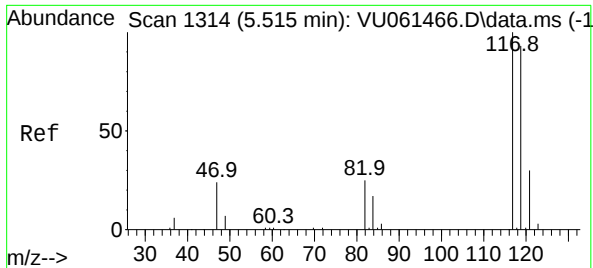
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 79256 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 63.5     | 50.8 76.2   |
| 61 44.4     | 36.1 54.1   |



#30  
Cyclohexane  
Concen: 3.050 ug/L  
RT: 5.380 min Scan# 1272  
Delta R.T. 0.003 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 54117 |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 33.1     | 25.8 38.6   |
| 84 95.0     | 73.9 110.9  |

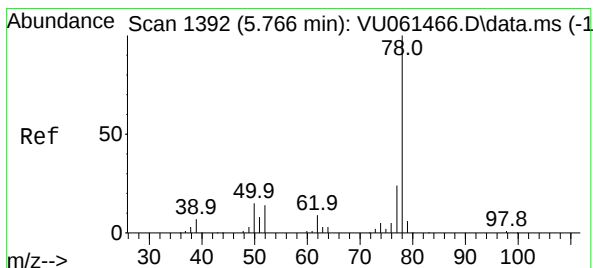
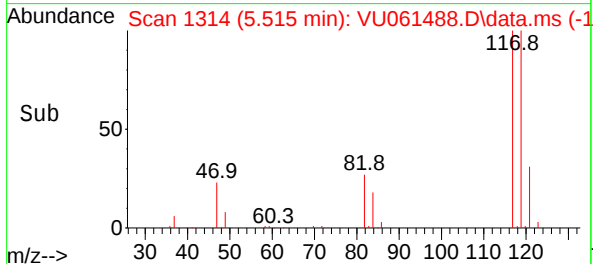
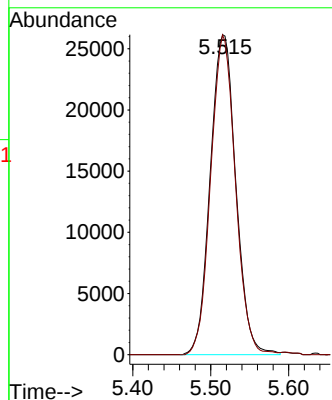
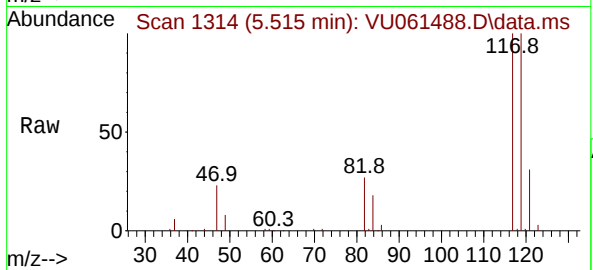




#31  
Carbon tetrachloride  
Concen: 3.944 ug/L  
RT: 5.515 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

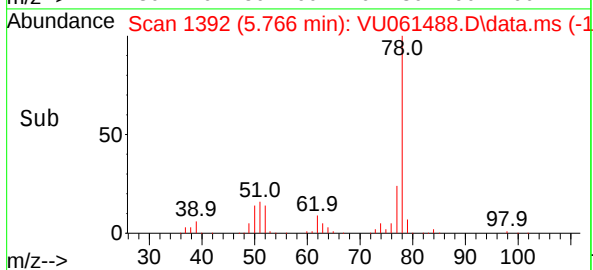
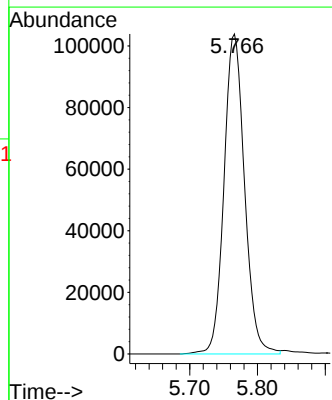
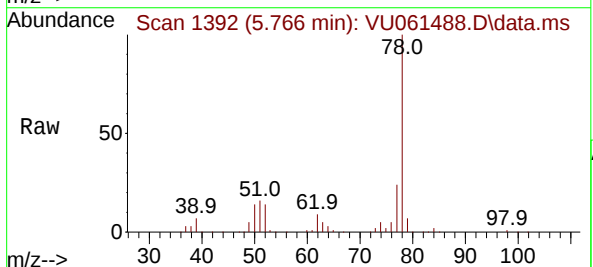
Instrument :  
MSVOA\_U  
ClientSampleId :

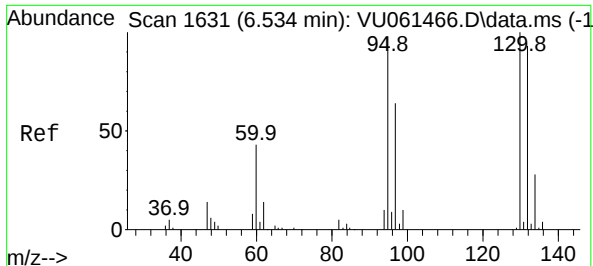
Tgt Ion:117 Resp: 59694  
Ion Ratio Lower Upper  
117 100  
119 96.1 75.5 113.3



#33  
Benzene  
Concen: 4.906 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

Tgt Ion: 78 Resp: 219173





#34

Trichloroethene

Concen: 4.441 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 95 Resp: 53969

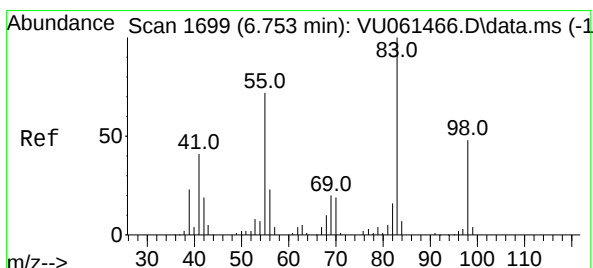
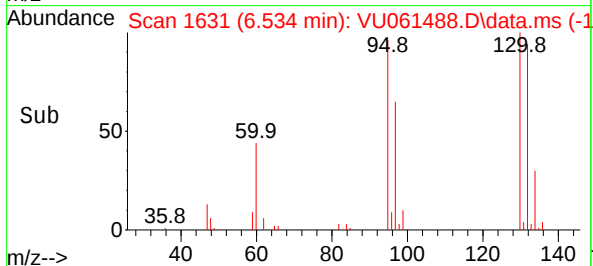
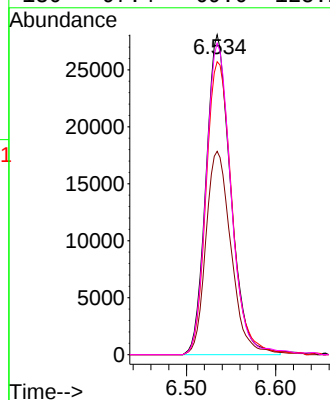
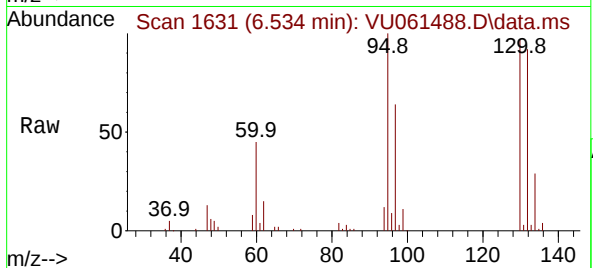
Ion Ratio Lower Upper

95 100

97 63.5 46.1 85.7

132 91.6 66.1 122.7

130 97.4 69.0 128.2



#35

Methylcyclohexane

Concen: 2.893 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

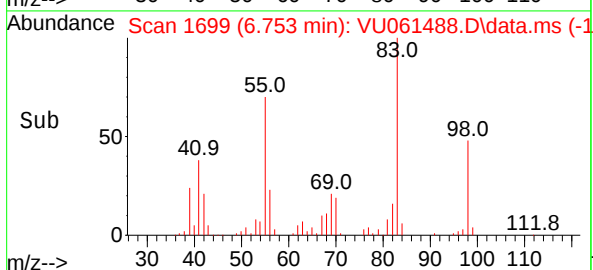
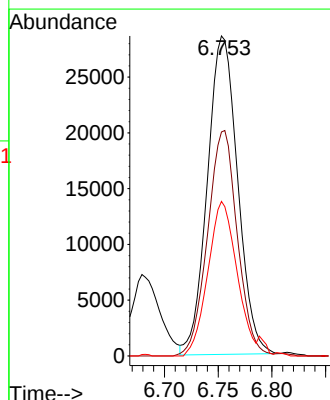
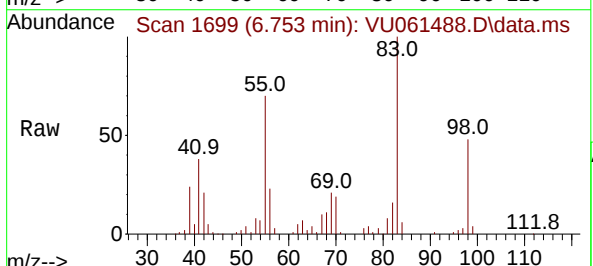
Tgt Ion: 83 Resp: 55953

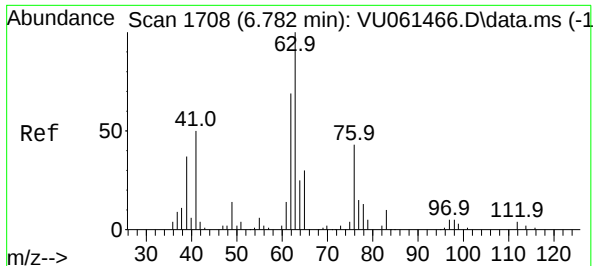
Ion Ratio Lower Upper

83 100

55 69.6 55.9 83.9

98 46.3 35.9 53.9

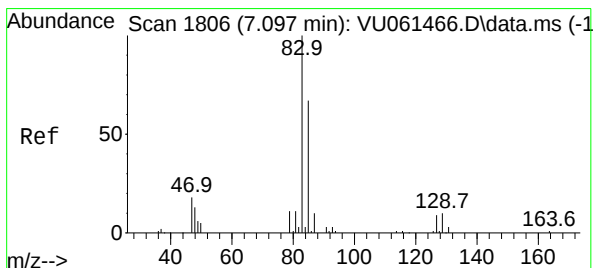
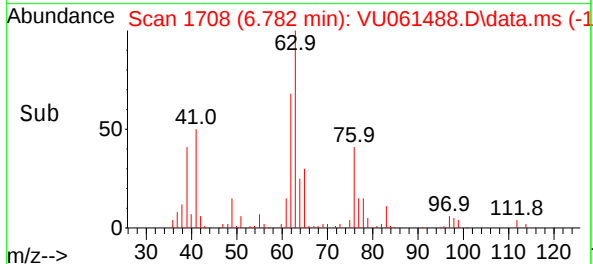
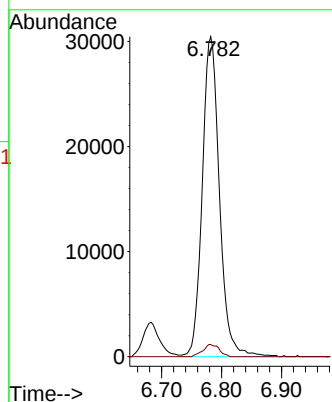
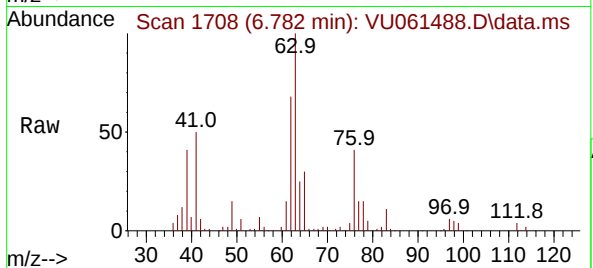




#37  
1,2-Dichloropropane  
Concen: 5.370 ug/L  
RT: 6.782 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

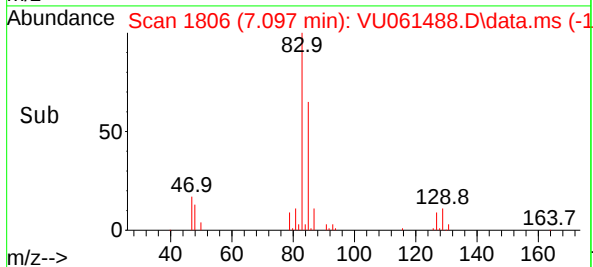
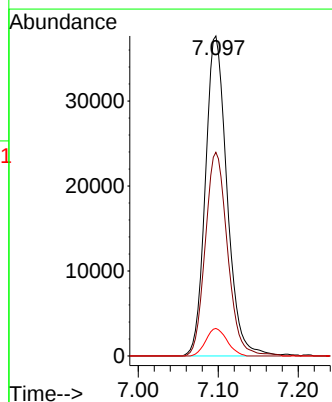
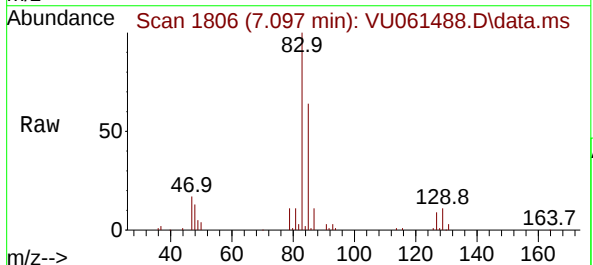
Instrument :  
MSVOA\_U  
ClientSampleId :

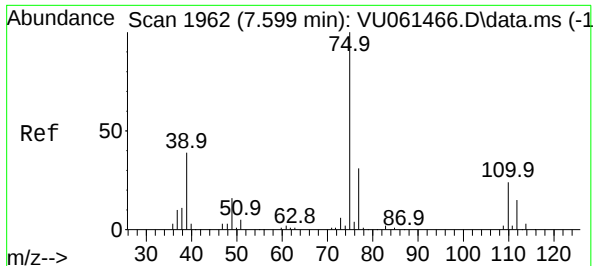
Tgt Ion: 63 Resp: 60801  
Ion Ratio Lower Upper  
63 100  
112 3.6 3.0 4.4



#38  
Bromodichloromethane  
Concen: 4.953 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

Tgt Ion: 83 Resp: 70979  
Ion Ratio Lower Upper  
83 100  
85 63.6 43.8 81.4  
127 8.6 7.4 11.0

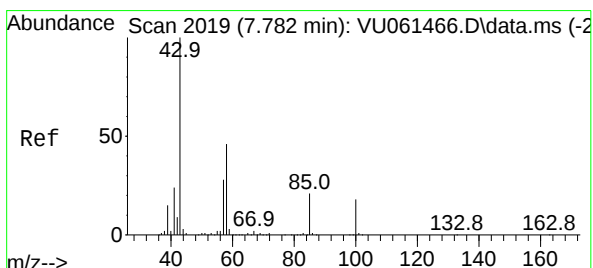
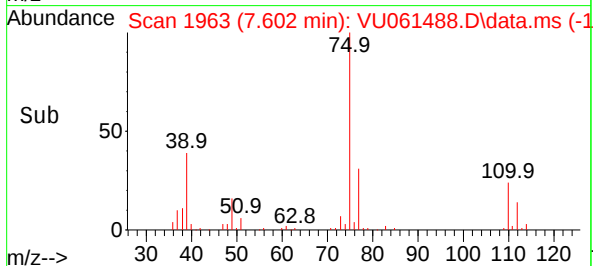
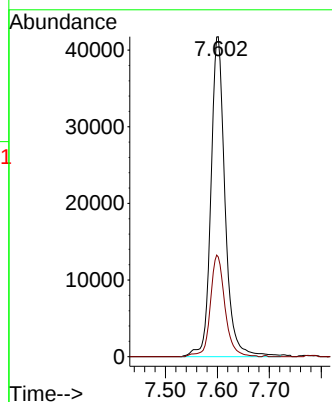
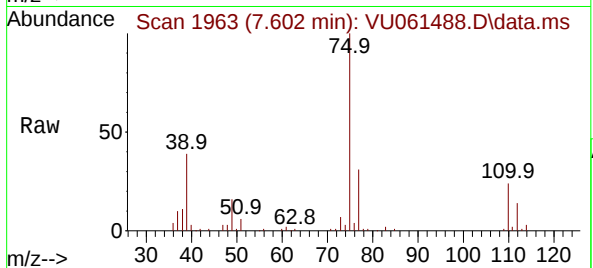




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.532 ug/L  
 RT: 7.602 min Scan# 1963  
 Delta R.T. 0.003 min  
 Lab File: VU061488.D  
 Acq: 06 Nov 2024 06:45

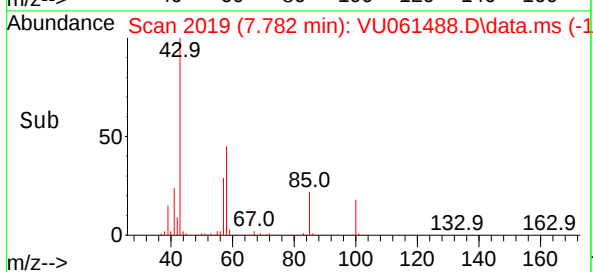
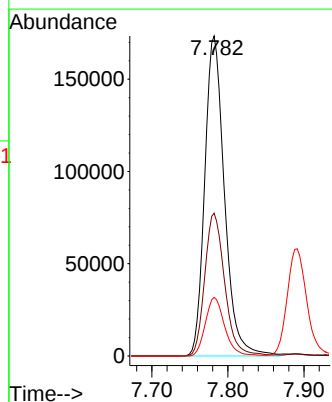
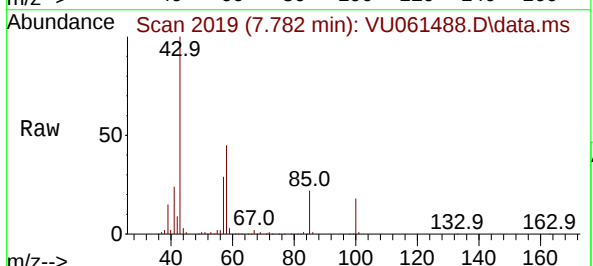
Instrument :  
 MSVOA\_U  
 ClientSampleId :

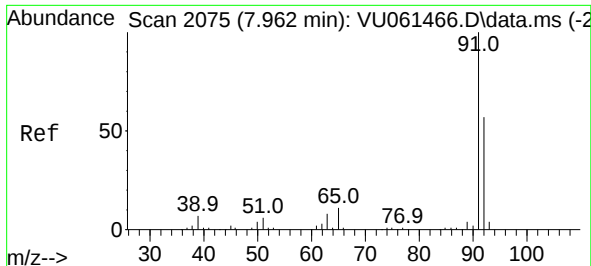
Tgt Ion: 75 Resp: 79248  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 22.5 41.7



#40  
 4-Methyl-2-pentanone  
 Concen: 55.564 ug/L  
 RT: 7.782 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VU061488.D  
 Acq: 06 Nov 2024 06:45

Tgt Ion: 43 Resp: 313118  
 Ion Ratio Lower Upper  
 43 100  
 58 45.2 35.1 52.7  
 100 17.9 14.0 21.0





#42

Toluene

Concen: 4.644 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

Instrument :

MSVOA\_U

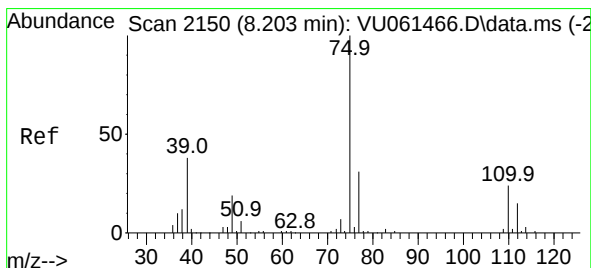
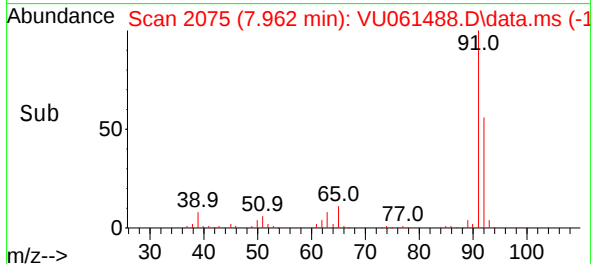
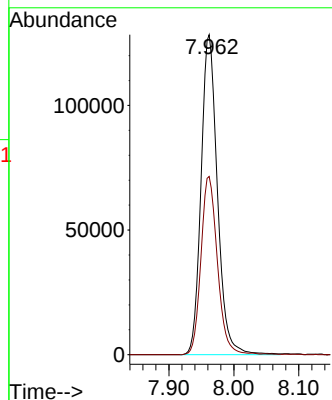
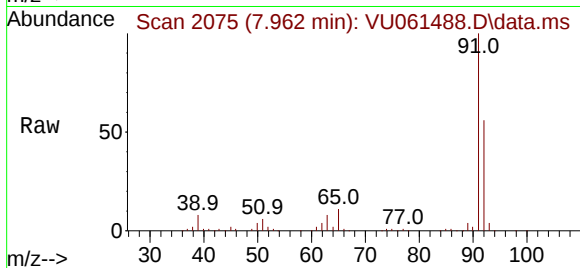
ClientSampleId :

Tgt Ion: 91 Resp: 225282

Ion Ratio Lower Upper

91 100

92 55.7 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.478 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU061488.D

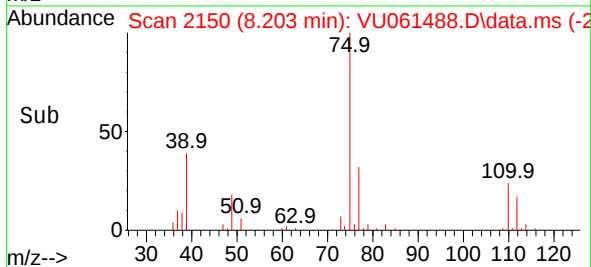
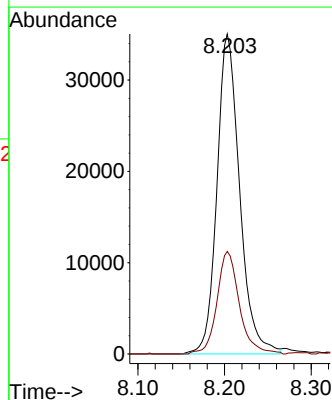
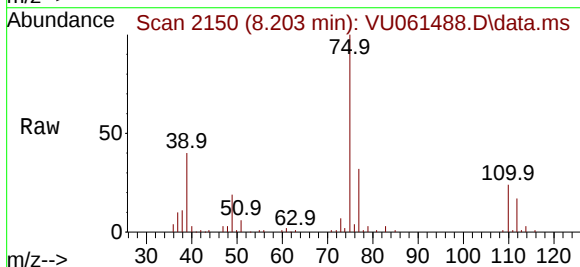
Acq: 06 Nov 2024 06:45

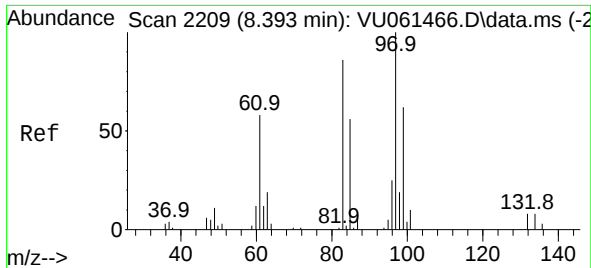
Tgt Ion: 75 Resp: 63800

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8

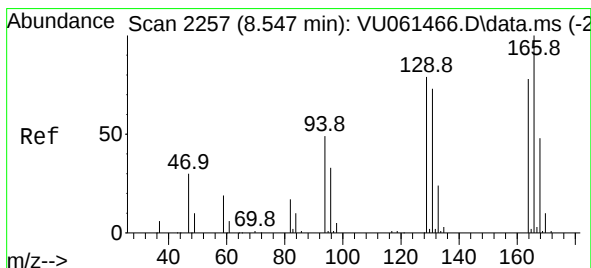
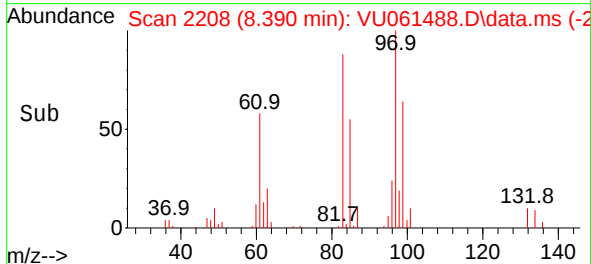
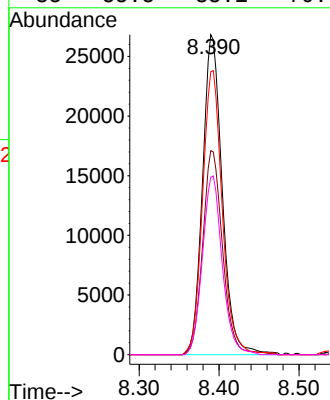
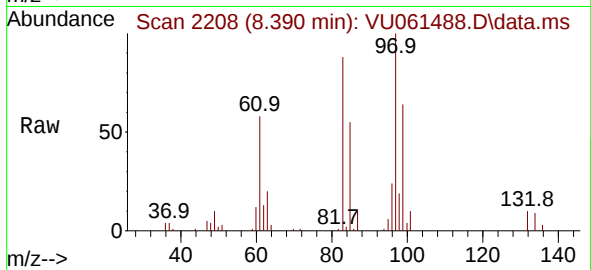




#45  
1,1,2-Trichloroethane  
Concen: 5.643 ug/L  
RT: 8.390 min Scan# 2209  
Delta R.T. -0.003 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

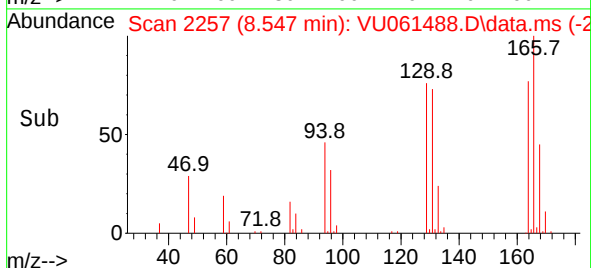
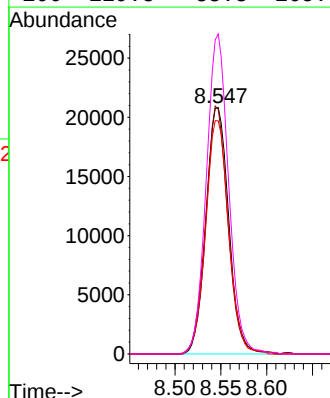
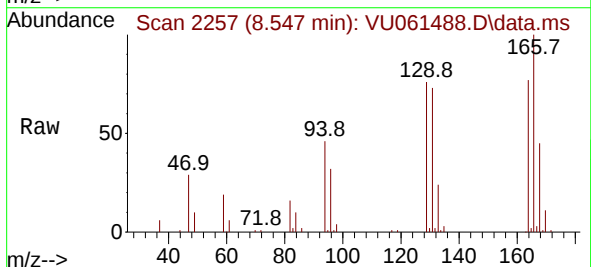
Instrument :  
MSVOA\_U  
ClientSampleId :

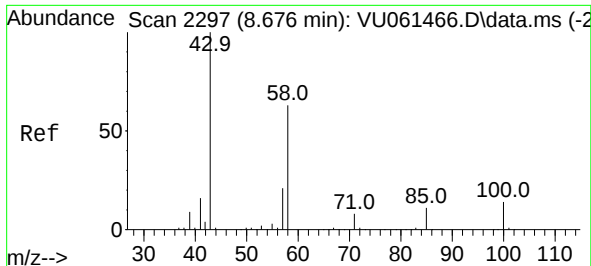
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 45982 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.8  | 44.1  | 81.9  |
| 83       | 88.4  | 61.2  | 113.6 |
| 85       | 55.5  | 38.1  | 70.7  |



#47  
Tetrachloroethene  
Concen: 4.242 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 36002 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 99.2  | 69.9  | 129.7 |
| 131      | 94.6  | 68.3  | 126.8 |
| 166      | 129.8 | 88.8  | 165.0 |

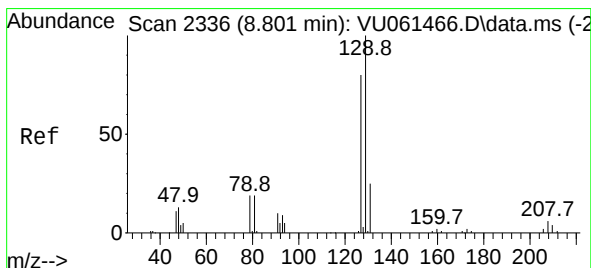
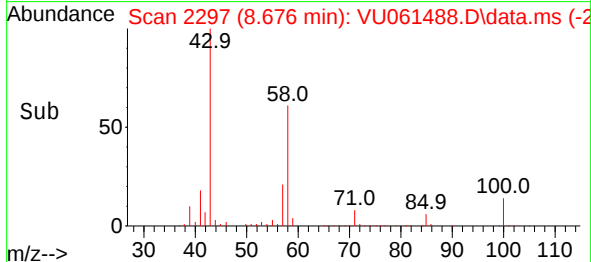
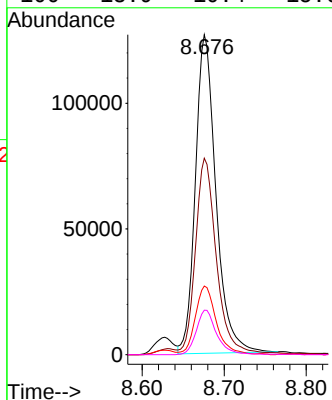
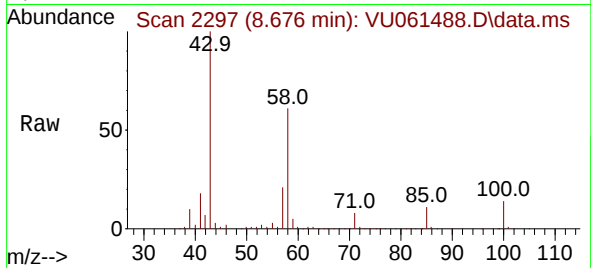




#48  
2-Hexanone  
Concen: 55.285 ug/L  
RT: 8.676 min Scan# 2297  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

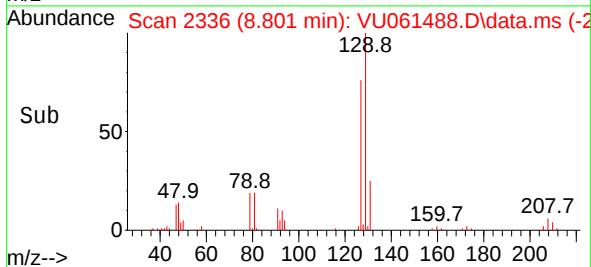
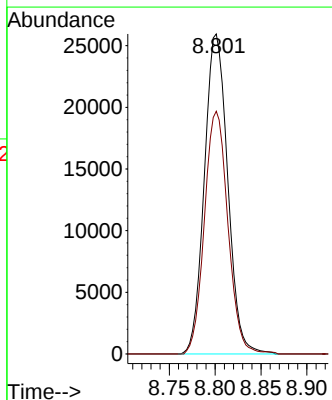
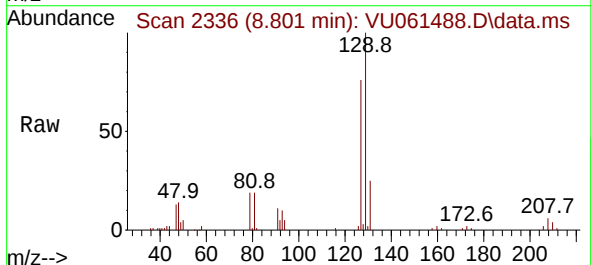
Instrument :  
MSVOA\_U  
ClientSampleId :

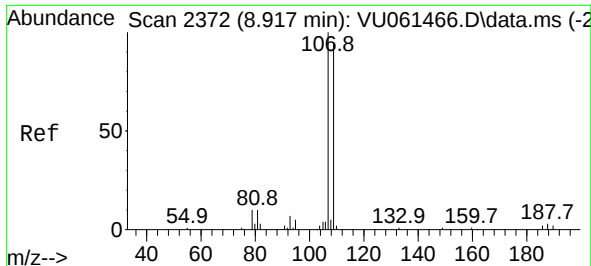
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 220307 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 62.5  | 48.6  | 72.8   |
| 57       | 21.4  | 17.0  | 25.6   |
| 100      | 13.9  | 10.4  | 15.6   |



#49  
Dibromochloromethane  
Concen: 4.975 ug/L  
RT: 8.801 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 45978 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 75.9  | 51.8  | 96.2  |

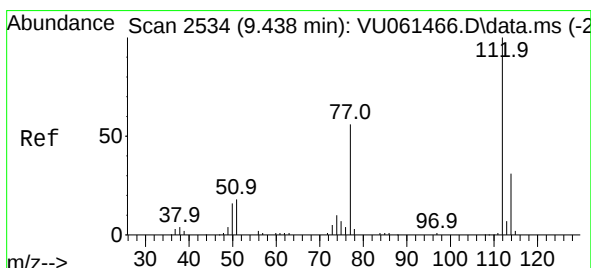
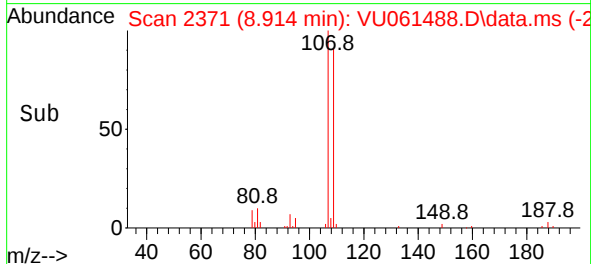
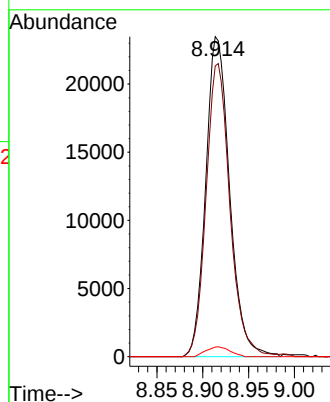
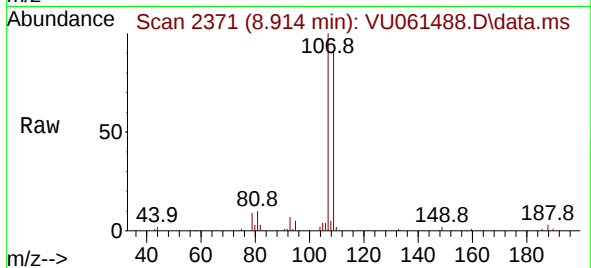




#50  
1,2-Dibromoethane  
Concen: 5.387 ug/L  
RT: 8.914 min Scan# 24  
Delta R.T. -0.003 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

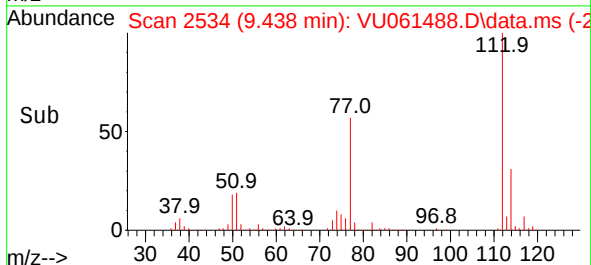
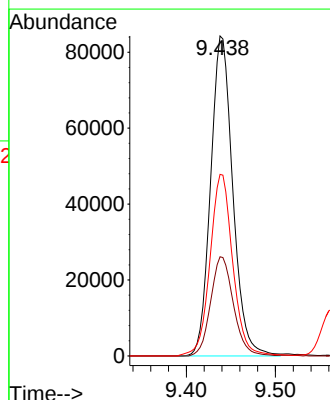
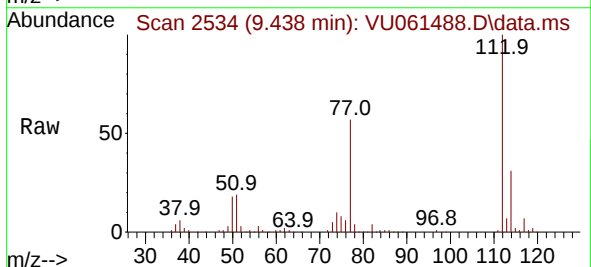
Instrument :  
MSVOA\_U  
ClientSampleId :

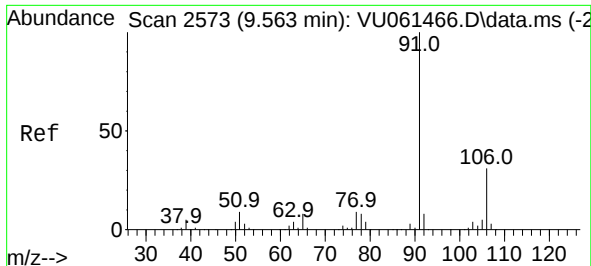
Tgt Ion:107 Resp: 42640  
Ion Ratio Lower Upper  
107 100  
109 90.9 63.4 117.8  
188 3.0 2.6 3.8



#51  
Chlorobenzene  
Concen: 4.757 ug/L  
RT: 9.438 min Scan# 2534  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

Tgt Ion:112 Resp: 145846  
Ion Ratio Lower Upper  
112 100  
114 31.0 22.9 42.5  
77 56.8 47.1 70.7

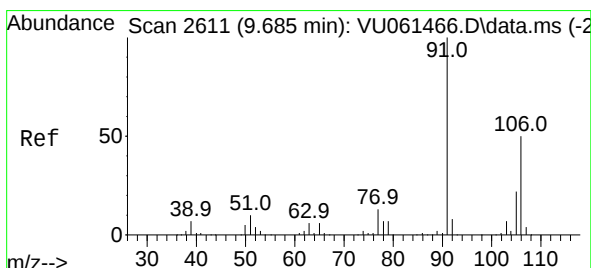
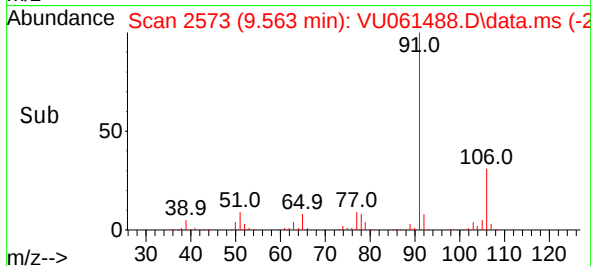
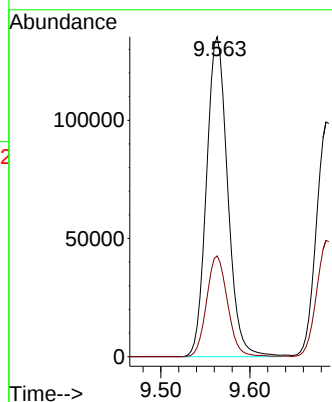
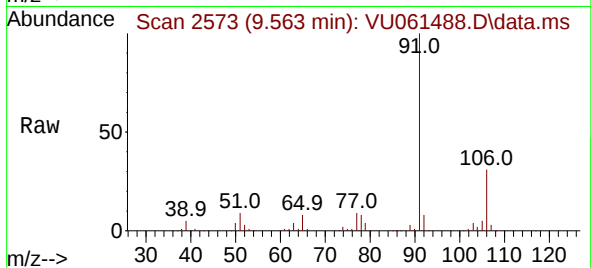




#52  
Ethylbenzene  
Concen: 4.187 ug/L  
RT: 9.563 min Scan# 2573  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

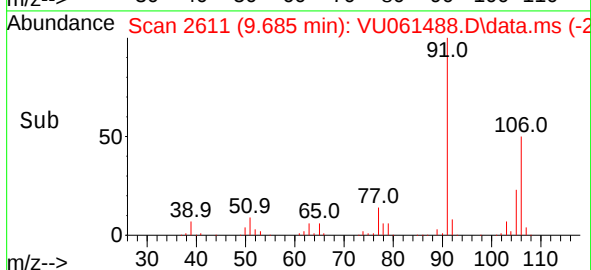
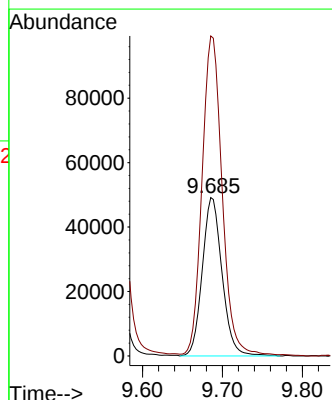
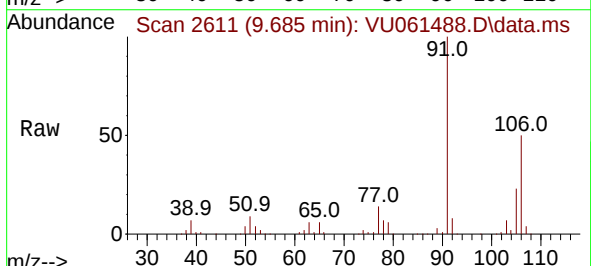
Instrument :  
MSVOA\_U  
ClientSampleId :

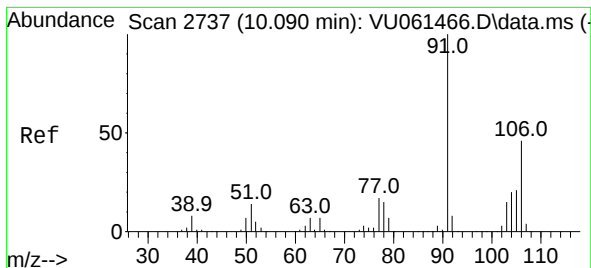
Tgt Ion: 91 Resp: 223422  
Ion Ratio Lower Upper  
91 100  
106 31.5 22.0 41.0



#53  
m,p-Xylene  
Concen: 4.165 ug/L  
RT: 9.685 min Scan# 2611  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

Tgt Ion: 106 Resp: 84671  
Ion Ratio Lower Upper  
106 100  
91 201.9 145.7 270.7





#54

o-Xylene

Concen: 4.281 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

Instrument :

MSVOA\_U

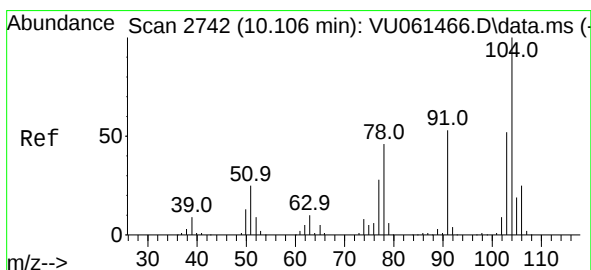
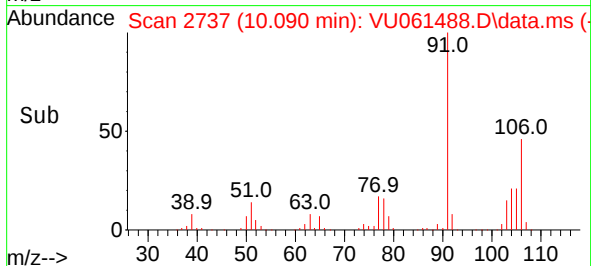
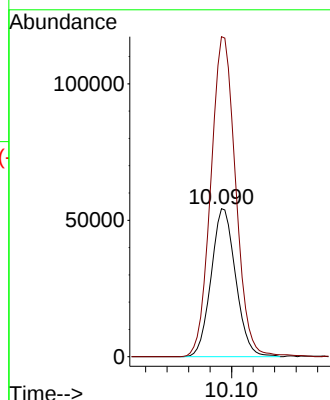
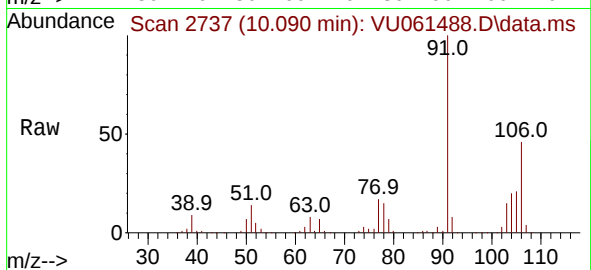
ClientSampleId :

Tgt Ion:106 Resp: 85892

Ion Ratio Lower Upper

106 100

91 216.2 148.8 276.4



#55

Styrene

Concen: 4.530 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU061488.D

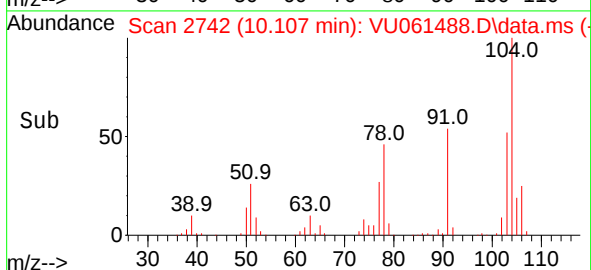
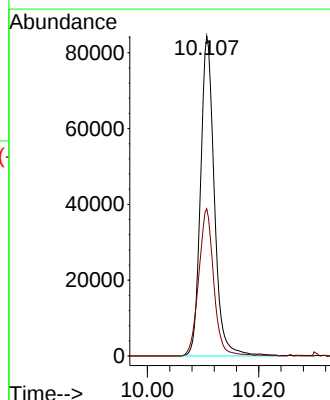
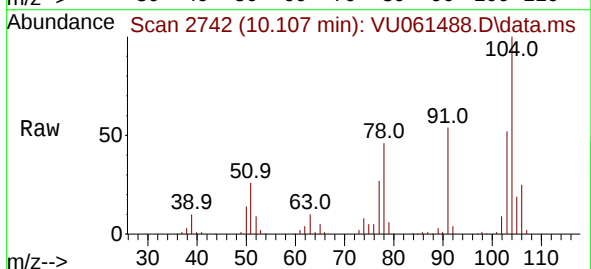
Acq: 06 Nov 2024 06:45

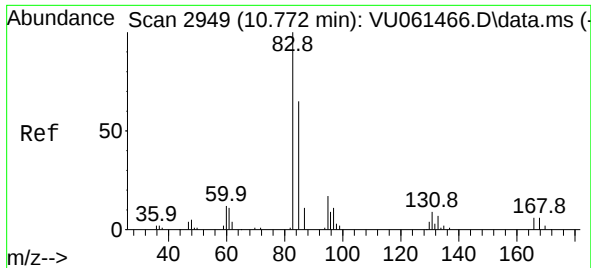
Tgt Ion:104 Resp: 145709

Ion Ratio Lower Upper

104 100

78 46.0 32.3 59.9

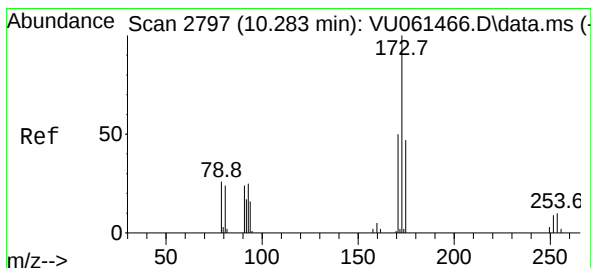
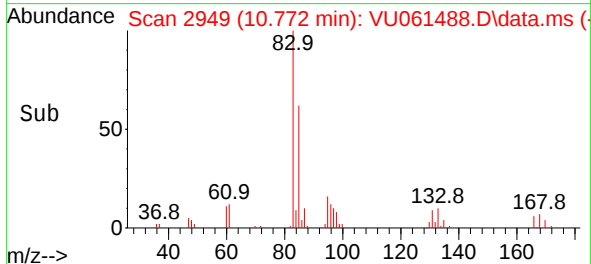
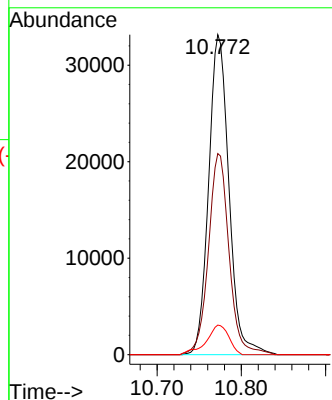
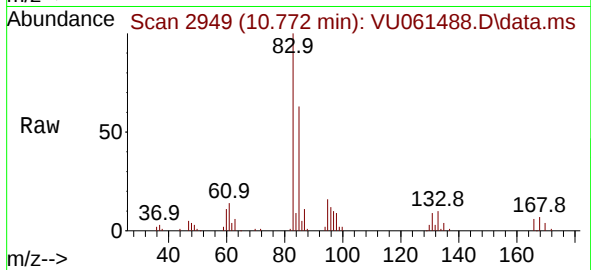




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.649 ug/L  
RT: 10.772 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

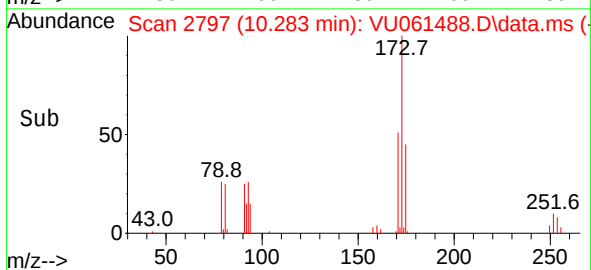
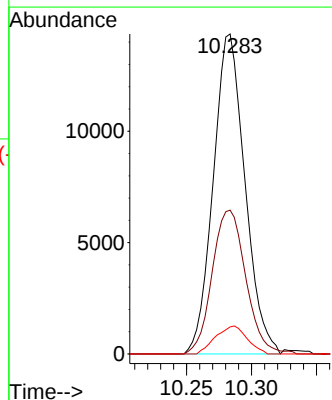
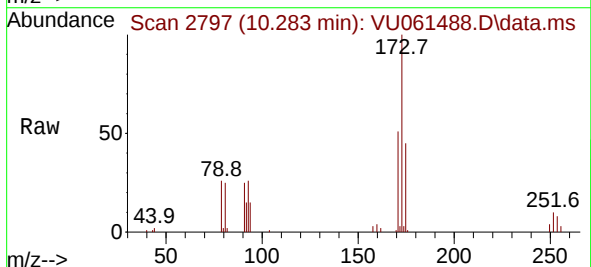
Instrument :  
MSVOA\_U  
ClientSampleId :

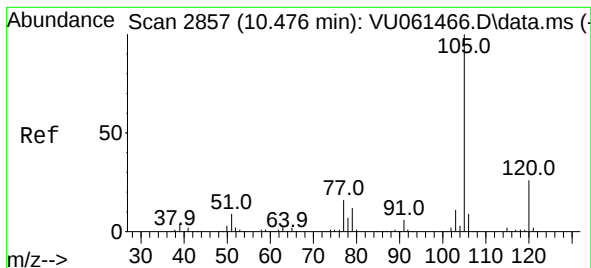
Tgt Ion: 83 Resp: 55467  
Ion Ratio Lower Upper  
83 100  
85 62.9 45.3 84.1  
131 9.2 7.6 11.4



#59  
Bromoform  
Concen: 4.995 ug/L  
RT: 10.283 min Scan# 2797  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

Tgt Ion: 173 Resp: 24351  
Ion Ratio Lower Upper  
173 100  
175 47.6 39.0 58.4  
254 8.7 6.8 10.2





#60

Isopropylbenzene

Concen: 4.178 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

Instrument :

MSVOA\_U

ClientSampleId :

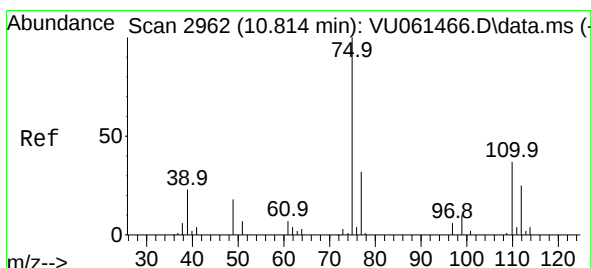
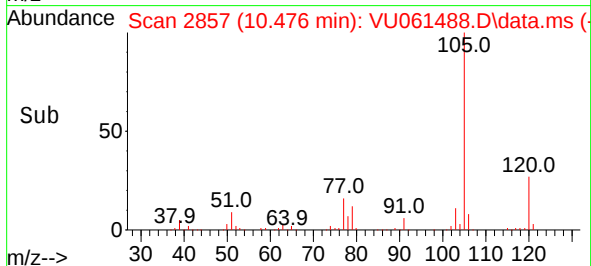
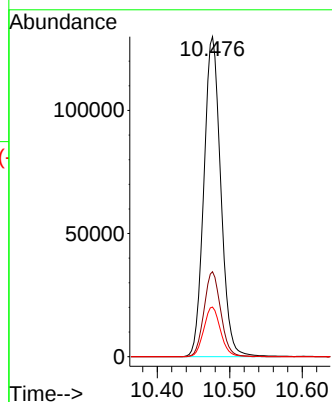
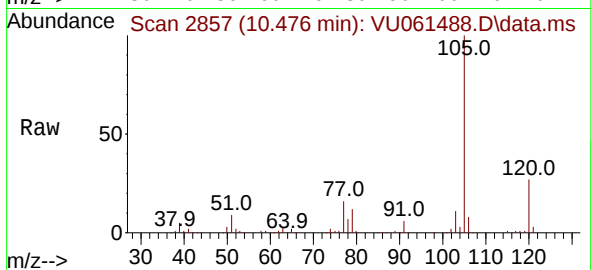
Tgt Ion:105 Resp: 210200

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

77 15.4 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.850 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

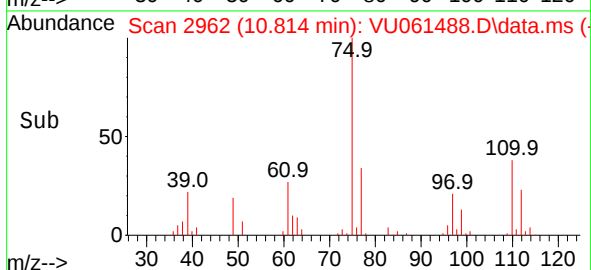
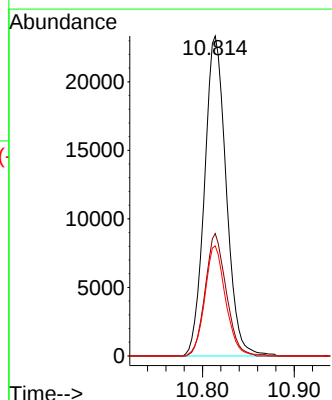
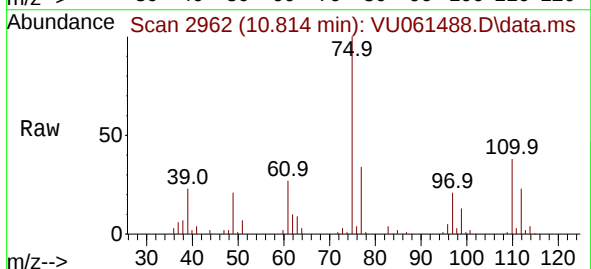
Tgt Ion: 75 Resp: 38373

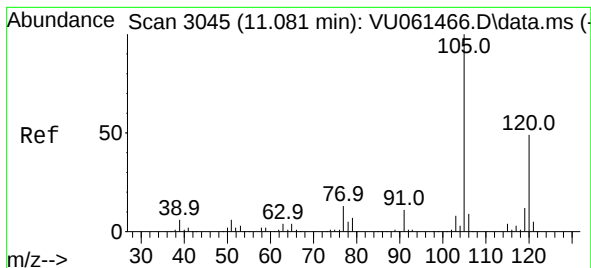
Ion Ratio Lower Upper

75 100

110 36.8 28.8 43.2

77 33.0 25.7 38.5





#62

1,3,5-Trimethylbenzene

Concen: 4.049 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

Instrument :

MSVOA\_U

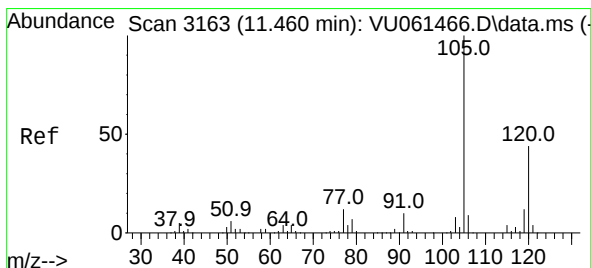
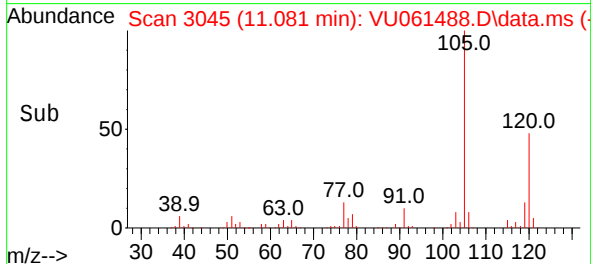
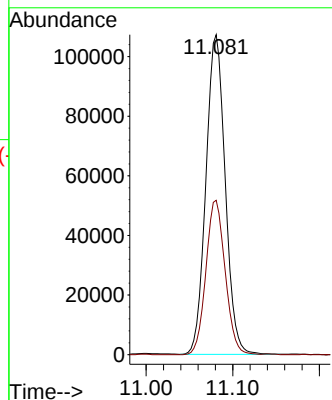
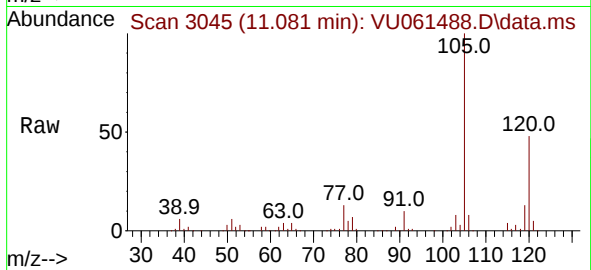
ClientSampleId :

Tgt Ion:105 Resp: 165815

Ion Ratio Lower Upper

105 100

120 48.2 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 4.161 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU061488.D

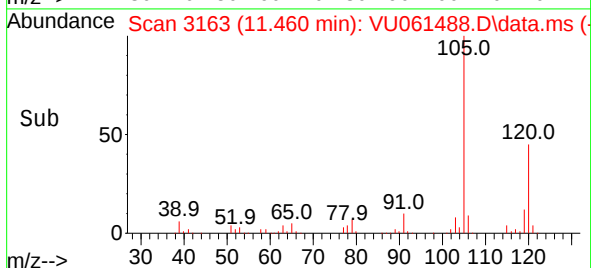
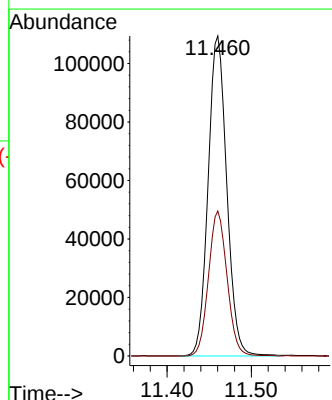
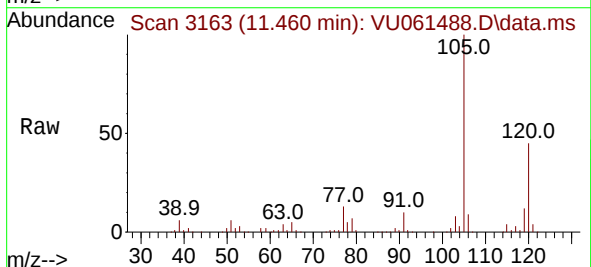
Acq: 06 Nov 2024 06:45

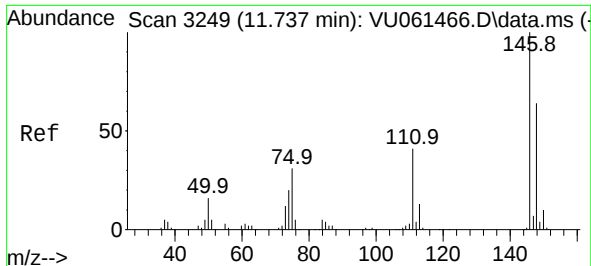
Tgt Ion:105 Resp: 168432

Ion Ratio Lower Upper

105 100

120 45.1 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 4.782 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

Instrument :

MSVOA\_U

ClientSampleId :

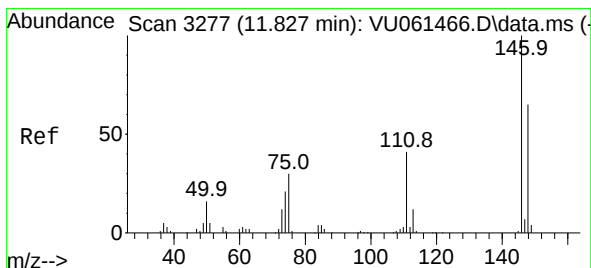
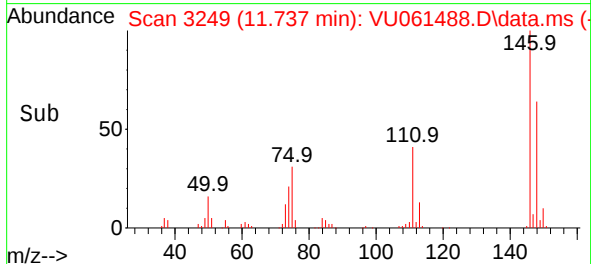
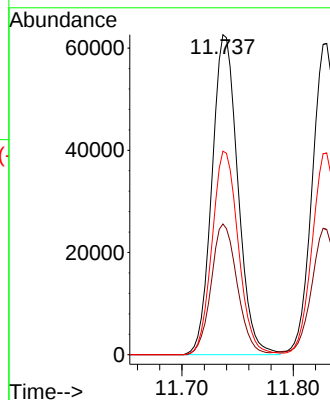
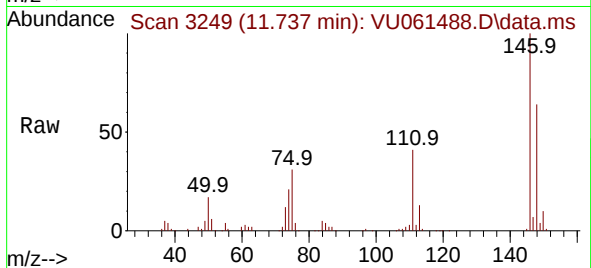
Tgt Ion:146 Resp: 101244

Ion Ratio Lower Upper

146 100

111 40.9 30.0 55.8

148 63.6 45.1 83.7



#65

1,4-Dichlorobenzene

Concen: 4.699 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

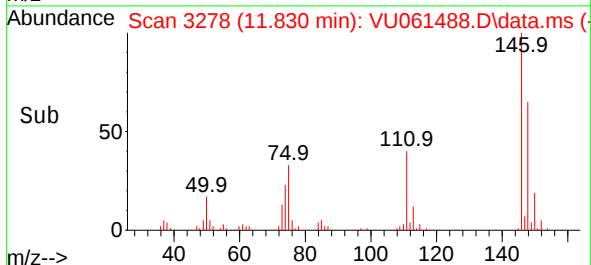
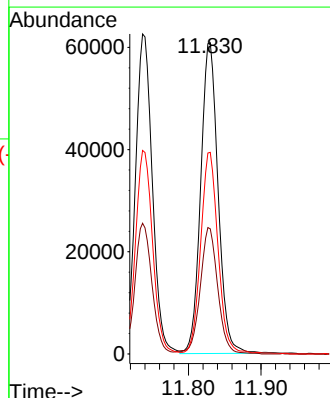
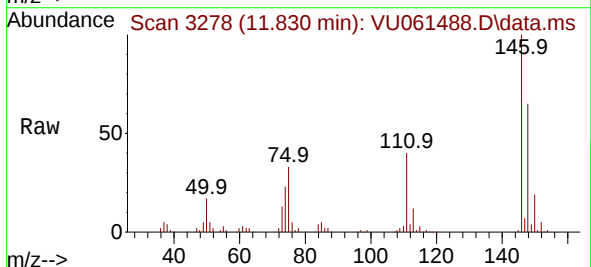
Tgt Ion:146 Resp: 101423

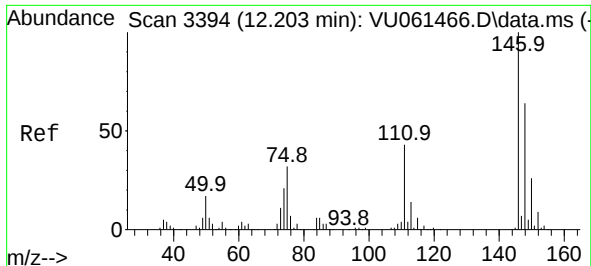
Ion Ratio Lower Upper

146 100

111 40.2 28.2 52.4

148 64.8 43.3 80.3





#67

1,2-Dichlorobenzene

Concen: 5.003 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

Instrument :

MSVOA\_U

ClientSampleId :

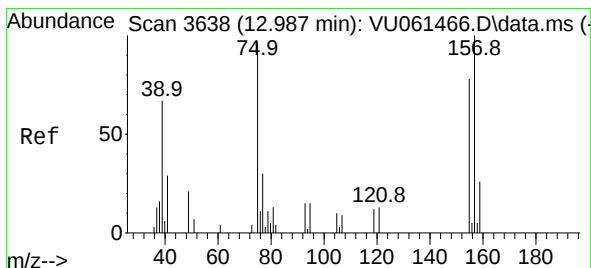
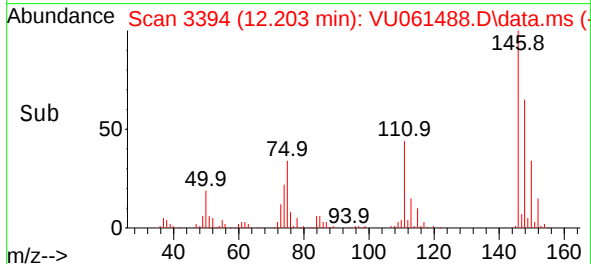
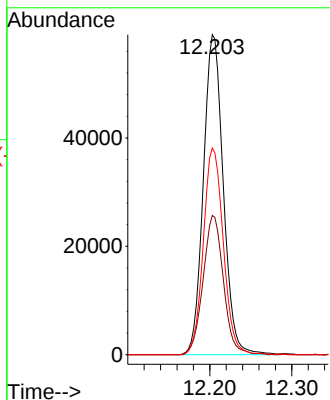
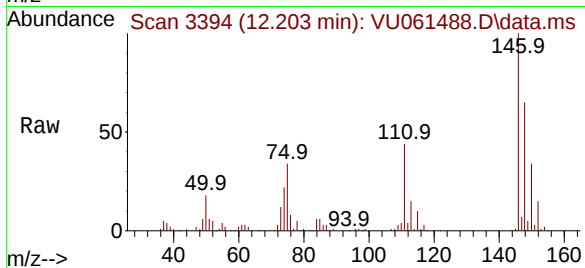
Tgt Ion:146 Resp: 99697

Ion Ratio Lower Upper

146 100

111 43.5 35.2 52.8

148 64.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.189 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

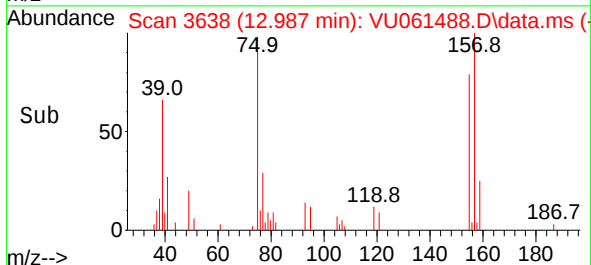
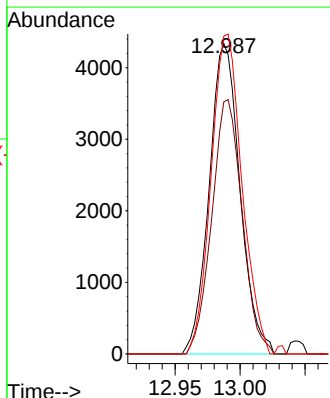
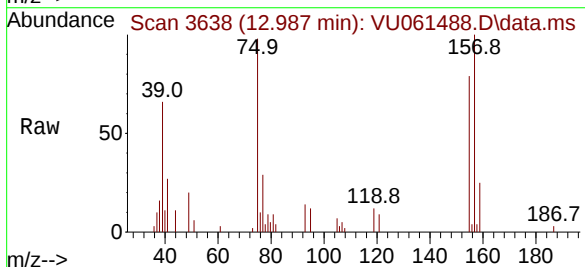
Tgt Ion: 75 Resp: 7148

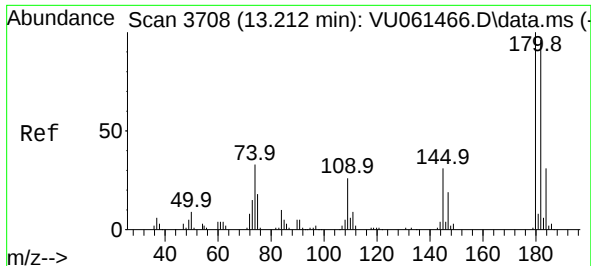
Ion Ratio Lower Upper

75 100

155 81.2 69.3 103.9

157 102.4 81.4 122.2





#69

1,3,5-Trichlorobenzene

Concen: 4.608 ug/L

RT: 13.213 min Scan# 31

Delta R.T. 0.000 min

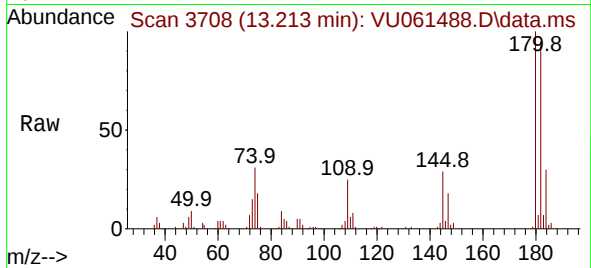
Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 66874

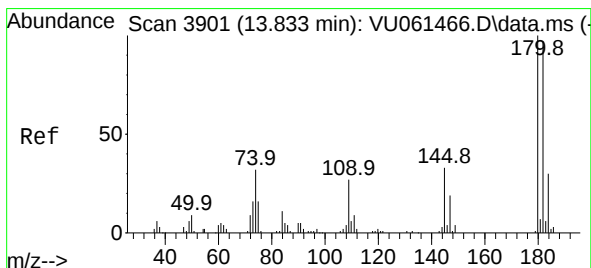
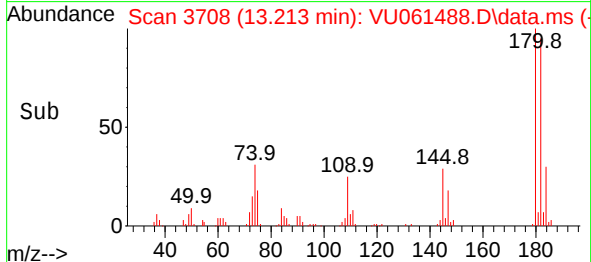
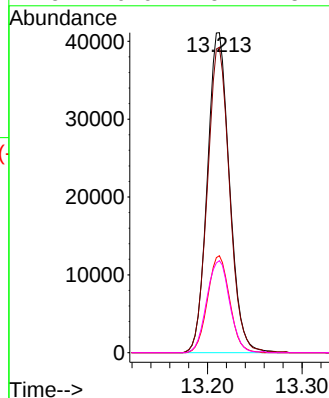
Ion Ratio Lower Upper

180 100

182 95.4 77.4 116.2

184 30.1 24.4 36.6

145 29.9 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.789 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU061488.D

Acq: 06 Nov 2024 06:45

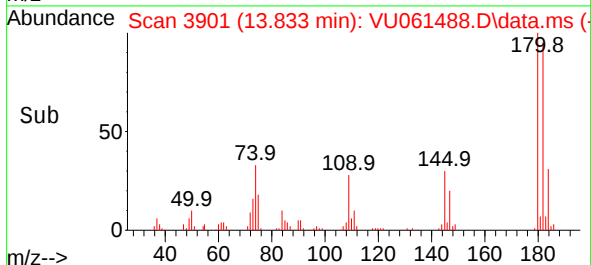
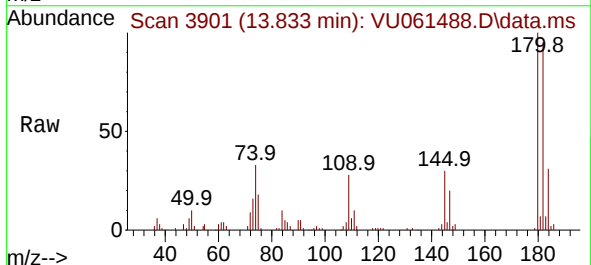
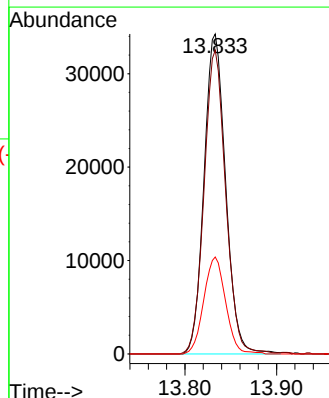
Tgt Ion:180 Resp: 56085

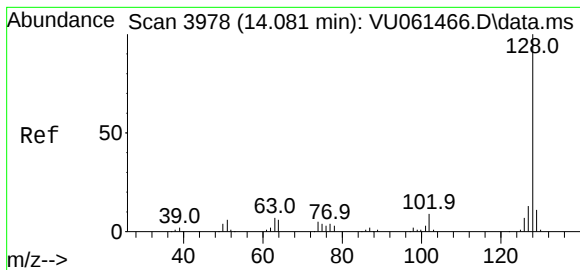
Ion Ratio Lower Upper

180 100

182 95.0 77.2 115.8

145 30.6 25.6 38.4

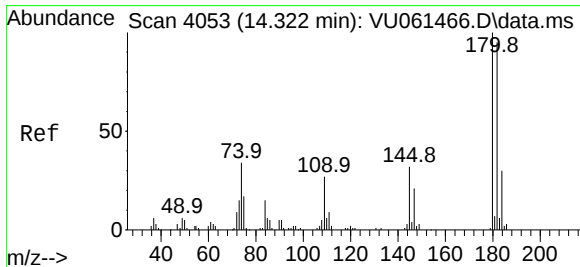
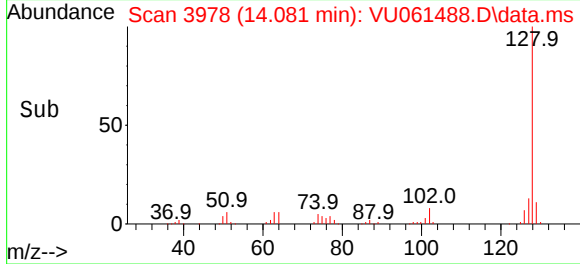
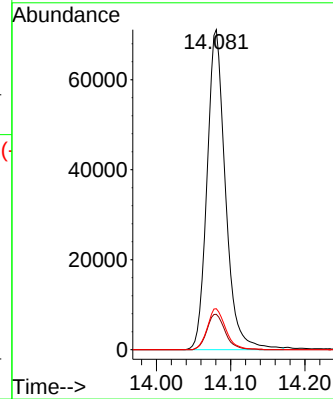
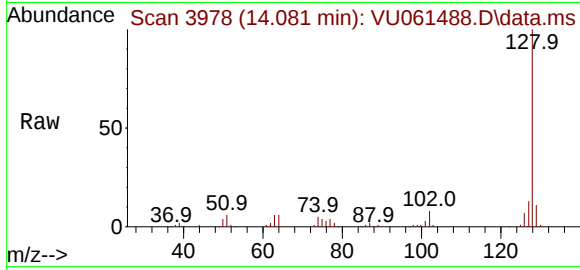




#71  
Naphthalene  
Concen: 6.630 ug/L  
RT: 14.081 min Scan# 3978  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 122526  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.4  
127 12.8 10.0 15.0



#72  
1,2,3-Trichlorobenzene  
Concen: 5.146 ug/L  
RT: 14.322 min Scan# 4053  
Delta R.T. 0.000 min  
Lab File: VU061488.D  
Acq: 06 Nov 2024 06:45

Tgt Ion:180 Resp: 50424  
Ion Ratio Lower Upper  
180 100  
182 93.5 76.0 114.0  
145 32.6 26.5 39.7

