

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111524\  
 Data File : VU061730.D  
 Acq On : 15 Nov 2024 19:04  
 Operator : MD/SY  
 Sample : P4800-16MSD  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCPB5MSD

Quant Time: Nov 15 22:25:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 15 22:17:35 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 172410   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 163716   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 79835    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 48803    | 4.381    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.600%  |
| 7) Chloroethane-d5            | 1.908  | 69    | 55251    | 5.810    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 116.200% |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 21170    | 4.236    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 84.800%  |
| 20) 2-Butanone-d5             | 4.618  | 46    | 126866   | 53.657   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 107.320% |
| 24) Chloroform-d              | 5.052  | 84    | 112013   | 5.059    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.200% |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 55353    | 5.209    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.200% |
| 32) Benzene-d6                | 5.718  | 84    | 220889   | 4.877    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 67556    | 5.057    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.200% |
| 41) Toluene-d8                | 7.888  | 98    | 202465   | 4.796    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.000%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 23769    | 4.831    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 96.600%  |
| 46) 2-Hexanone-d5             | 8.628  | 63    | 109396   | 56.263   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 112.520% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 55667    | 5.286    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 72939    | 5.130    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.600% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 67310    | 5.253    | ug/L   | 100      |
| 3) Chloromethane              | 1.515  | 50    | 60692    | 5.221    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 69182    | 5.393    | ug/L   | 98       |
| 6) Bromomethane               | 1.853  | 94    | 44184    | 5.772    | ug/L   | 99       |
| 8) Chloroethane               | 1.927  | 64    | 51936    | 5.836    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 96035    | 5.092    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 61031    | 5.474    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 55041    | 5.289    | ug/L   | 95       |
| 13) Acetone                   | 2.631  | 43    | 116234   | 78.029   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.785  | 76    | 162529   | 4.862    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.949  | 43    | 17159    | 4.610    | ug/L   | 99       |
| 16) Methylene chloride        | 3.036  | 84    | 63337    | 5.281    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 139436   | 5.466    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 58450    | 5.120    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 114258   | 5.490    | ug/L   | 99       |
| 21) 2-Butanone                | 4.698  | 43    | 134414   | 55.249   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 69939    | 5.432    | ug/L   | 100      |
| 23) Bromochloromethane        | 4.965  | 128   | 31342    | 5.481    | ug/L   | 95       |
| 25) Chloroform                | 5.078  | 83    | 120066   | 5.473    | ug/L   | 99       |

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 Sample : P4800-16MSD  
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCPB5MSD

Quant Time: Nov 15 22:25:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 15 22:17:35 2024  
 Response via : Initial Calibration

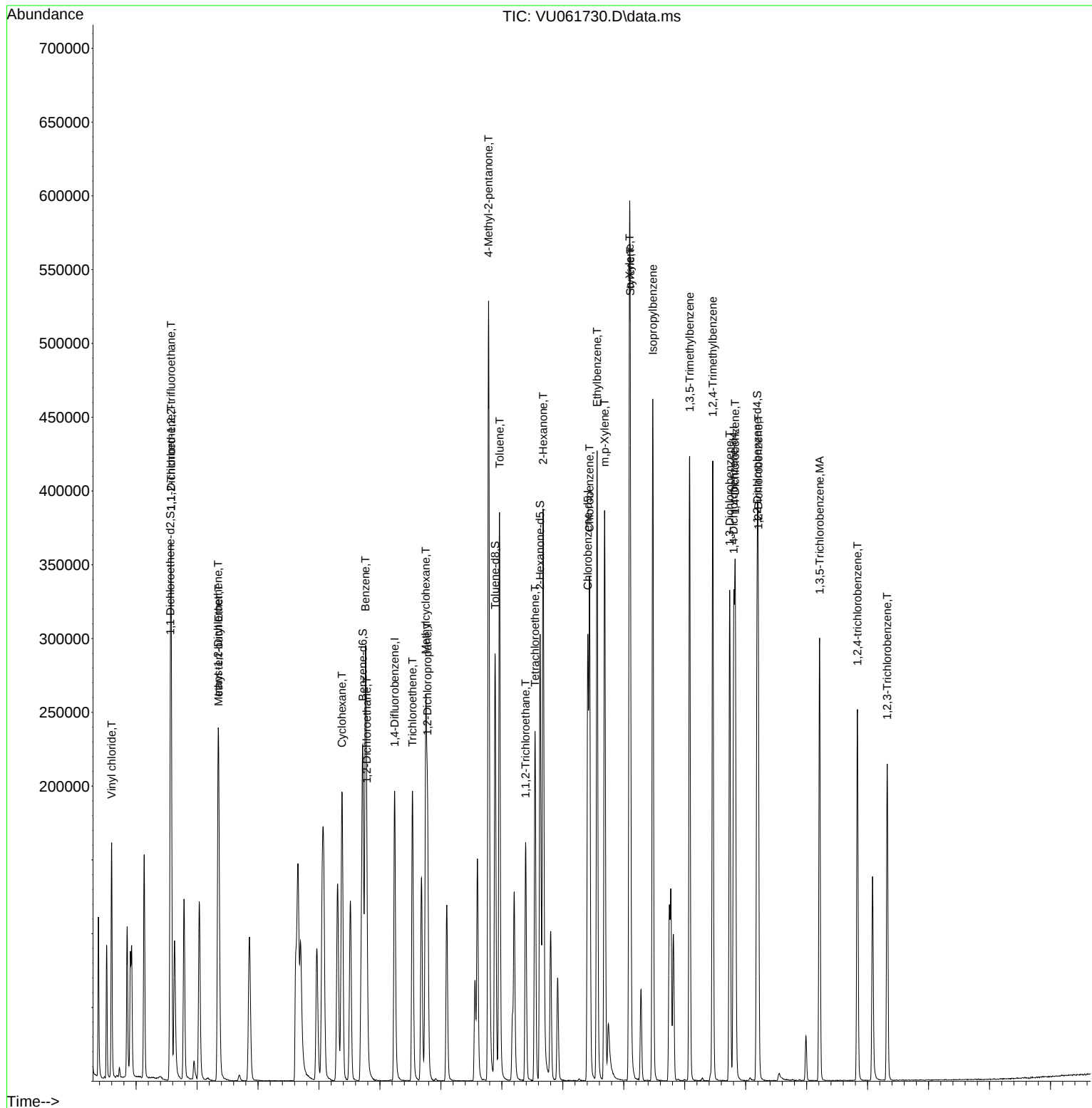
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 75581    | 5.490  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 98529    | 5.289  | ug/L  | 99       |
| 30) Cyclohexane               | 5.377  | 56   | 97072    | 5.216  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.515  | 117  | 83785    | 5.280  | ug/L  | 99       |
| 33) Benzene                   | 5.763  | 78   | 268745   | 5.424  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 68908    | 5.150  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.753  | 83   | 104624   | 5.185  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 69056    | 5.493  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 79414    | 5.265  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 94443    | 5.279  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 340419   | 56.481 | ug/L  | 100      |
| 42) Toluene                   | 7.962  | 91   | 287919   | 5.397  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 73544    | 5.183  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.390  | 97   | 51099    | 5.576  | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.544  | 164  | 52395    | 5.212  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.676  | 43   | 252129   | 58.505 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.801  | 129  | 51136    | 5.322  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 47633    | 5.511  | ug/L  | 95       |
| 51) Chlorobenzene             | 9.438  | 112  | 182990   | 5.329  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 307064   | 5.403  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.685  | 106  | 118781   | 5.463  | ug/L  | 99       |
| 54) o-Xylene                  | 10.094 | 106  | 115699   | 5.474  | ug/L  | 98       |
| 55) Styrene                   | 10.107 | 104  | 181706   | 5.400  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 61993    | 5.559  | ug/L  | 93       |
| 59) Bromoform                 | 10.283 | 173  | 27346    | 5.175  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.476 | 105  | 301322   | 5.442  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 41072    | 5.461  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 234702   | 5.294  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 233927   | 5.421  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 138498   | 5.455  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 133677   | 5.185  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 129614   | 5.489  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 7375     | 5.616  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 93818    | 5.292  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 76272    | 5.551  | ug/L  | 99       |
| 71) Naphthalene               | 14.081 | 128  | 119056   | 6.036  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 65819    | 5.707  | ug/L  | 99       |

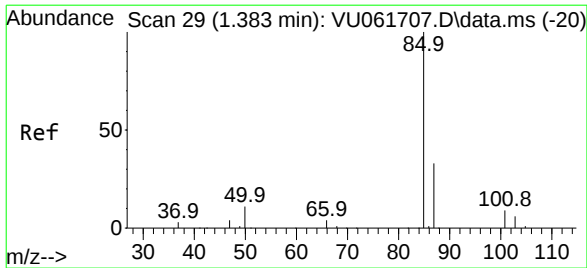
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 15 22:17:35 2024  
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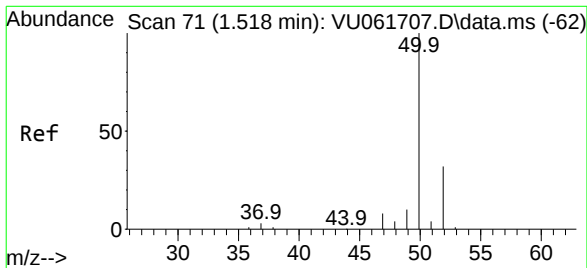
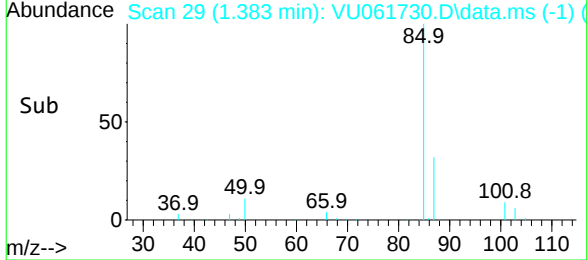
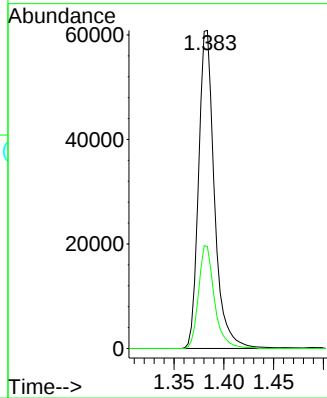
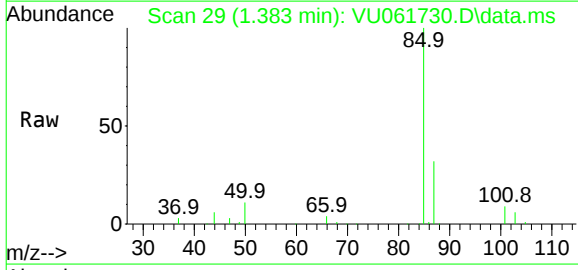




#2  
Dichlorodifluoromethane  
Concen: 5.253 ug/L  
RT: 1.383 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

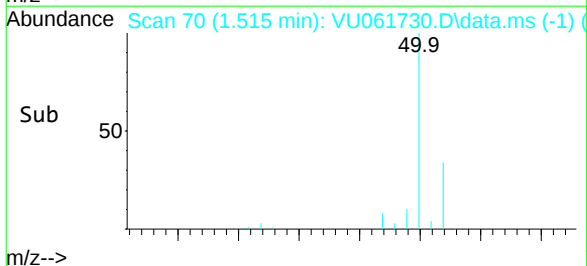
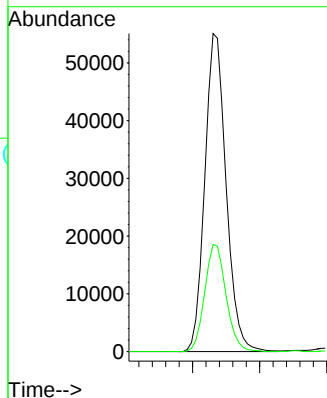
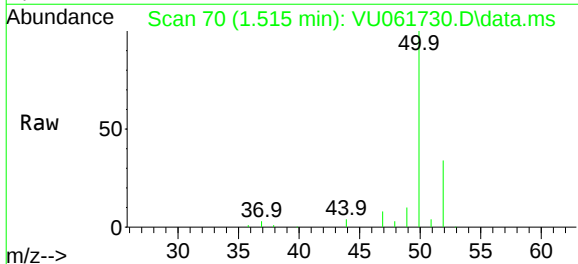
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCPB5MSD

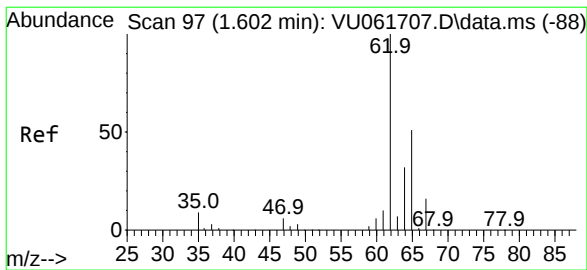
Tgt Ion: 85 Resp: 67310  
Ion Ratio Lower Upper  
85 100  
87 32.4 26.0 39.0



#3  
Chloromethane  
Concen: 5.221 ug/L  
RT: 1.515 min Scan# 70  
Delta R.T. -0.003 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

Tgt Ion: 50 Resp: 60692  
Ion Ratio Lower Upper  
50 100  
52 33.7 23.2 43.2





#5

Vinyl chloride

Concen: 5.393 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.003 min

Lab File: VU061730.D

Acq: 15 Nov 2024 19:04

Instrument :

MSVOA\_U

ClientSampleId :

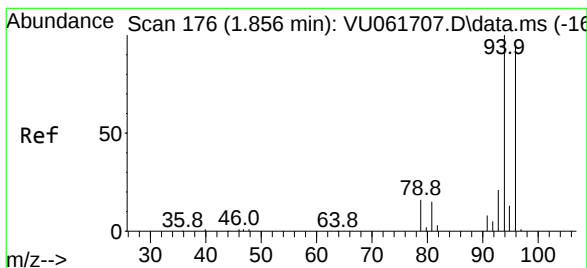
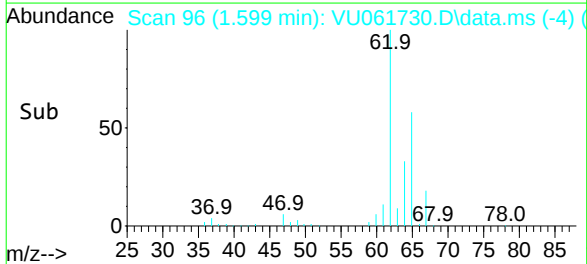
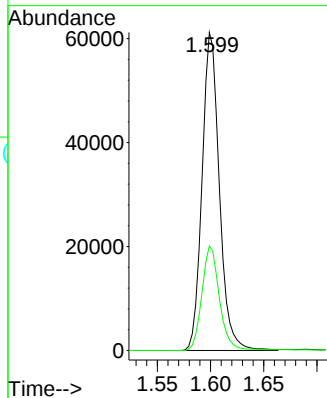
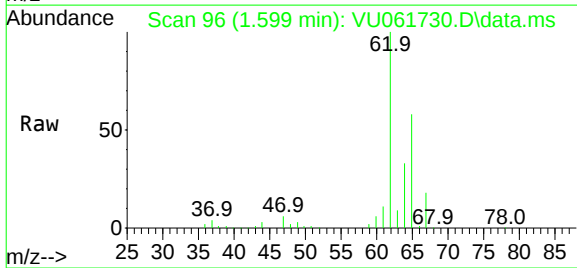
GCPB5MSD

Tgt Ion: 62 Resp: 69182

Ion Ratio Lower Upper

62 100

64 32.9 23.7 44.1



#6

Bromomethane

Concen: 5.772 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.003 min

Lab File: VU061730.D

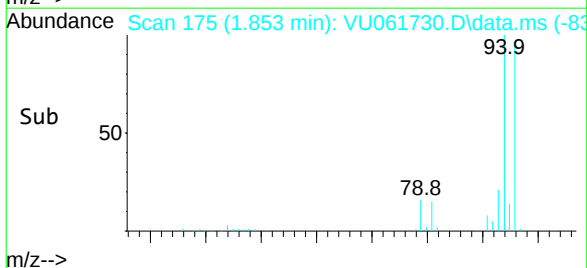
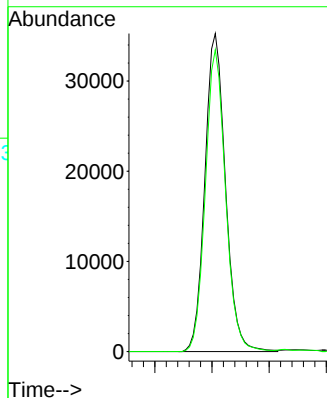
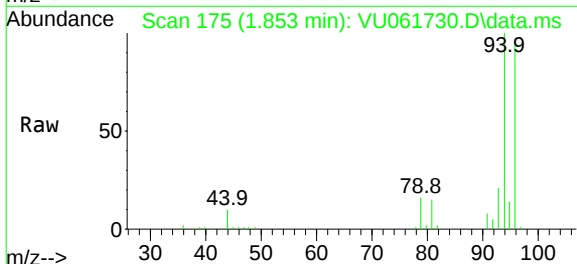
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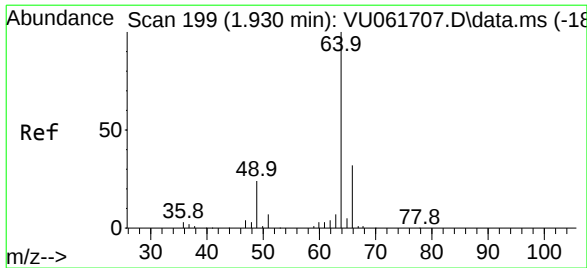
Tgt Ion: 94 Resp: 44184

Ion Ratio Lower Upper

94 100

96 94.9 65.7 121.9

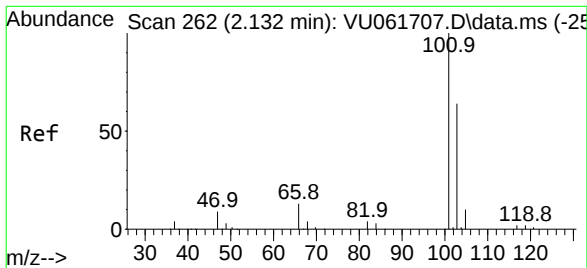
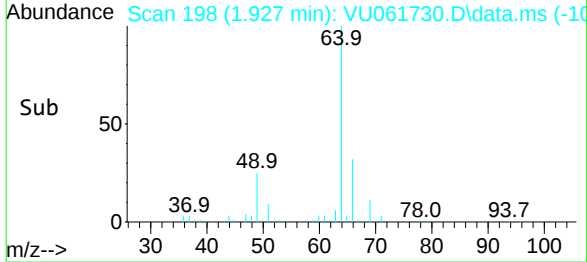
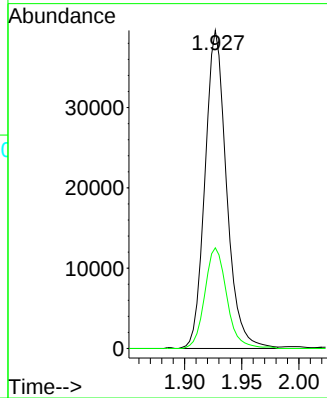
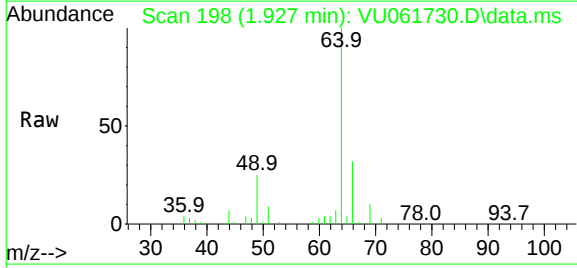




#8  
Chloroethane  
Concen: 5.836 ug/L  
RT: 1.927 min Scan# 19  
Delta R.T. -0.003 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

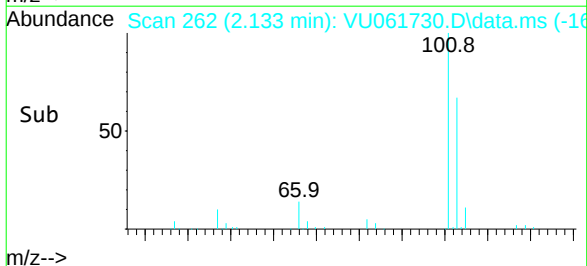
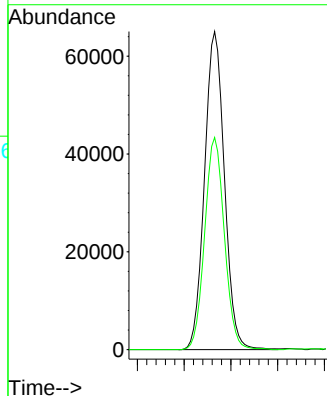
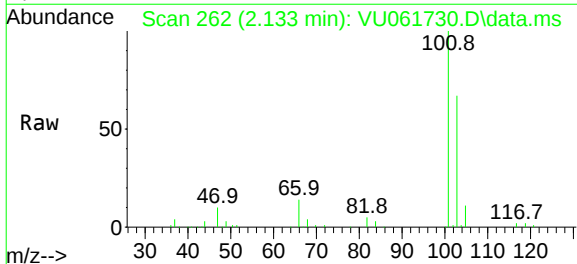
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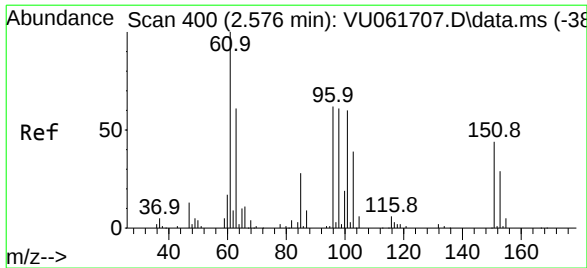
Tgt Ion: 64 Resp: 51936  
Ion Ratio Lower Upper  
64 100  
66 31.7 23.1 42.9



#9  
Trichlorofluoromethane  
Concen: 5.092 ug/L  
RT: 2.133 min Scan# 262  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

Tgt Ion:101 Resp: 96035  
Ion Ratio Lower Upper  
101 100  
103 66.1 52.2 78.2

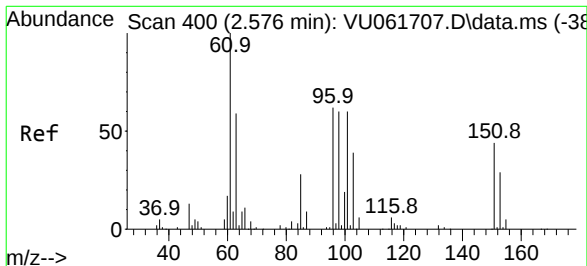
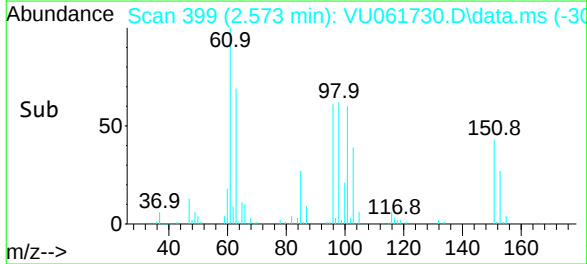
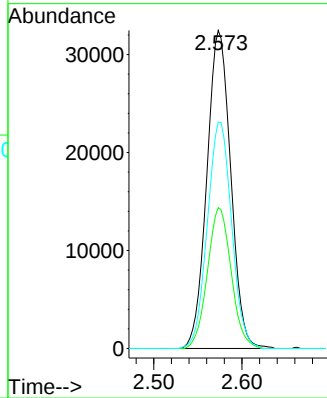
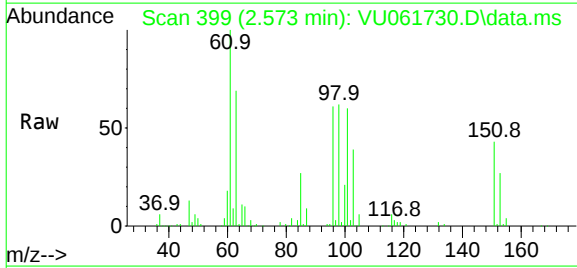




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.474 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

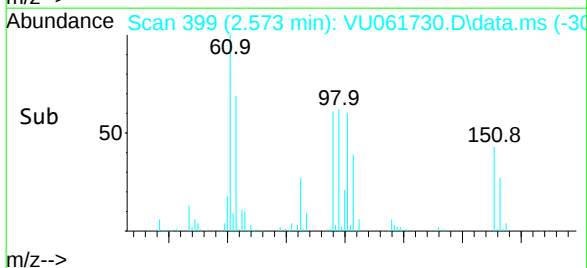
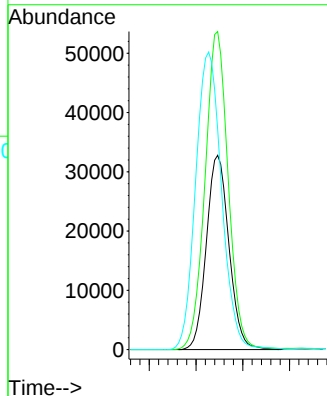
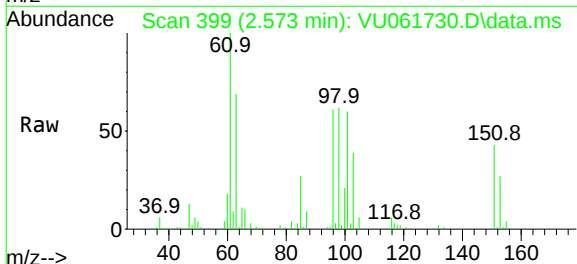
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCPB5MSD

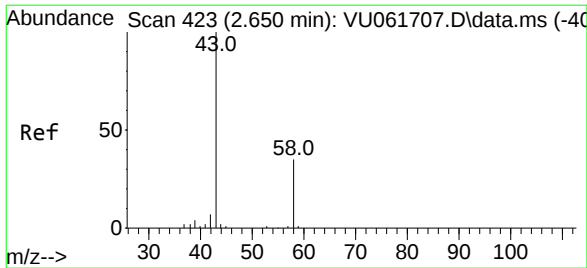
Tgt Ion: 101 Resp: 61031  
Ion Ratio Lower Upper  
101 100  
85 44.0 35.1 52.7  
151 72.5 56.9 85.3



#12  
1,1-Dichloroethene  
Concen: 5.289 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

Tgt Ion: 96 Resp: 55041  
Ion Ratio Lower Upper  
96 100  
61 163.7 116.8 217.0  
63 113.4 86.1 159.9





#13

Acetone

Concen: 78.029 ug/L

RT: 2.631 min Scan# 41

Delta R.T. -0.019 min

Lab File: VU061730.D

Acq: 15 Nov 2024 19:04

Instrument :

MSVOA\_U

ClientSampleId :

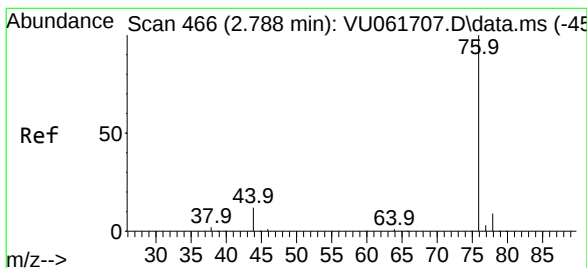
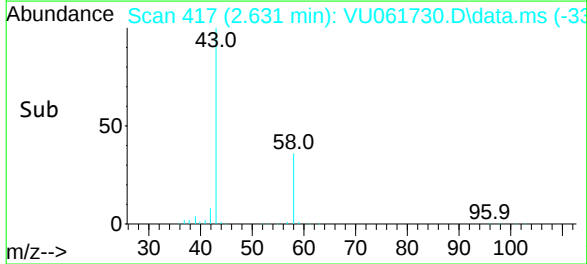
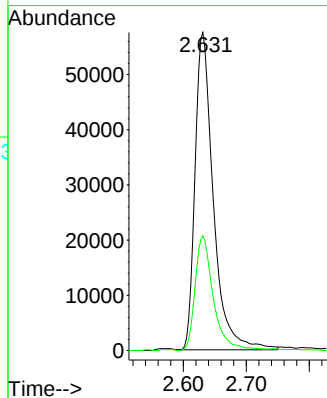
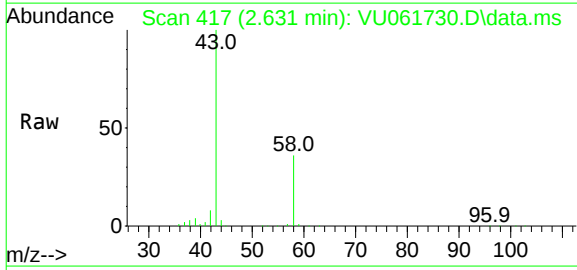
GCPB5MSD

Tgt Ion: 43 Resp: 116234

Ion Ratio Lower Upper

43 100

58 36.0 0.0 69.8



#14

Carbon disulfide

Concen: 4.862 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU061730.D

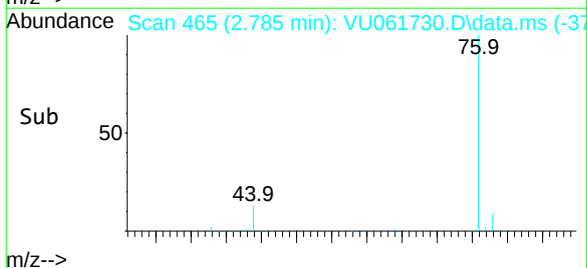
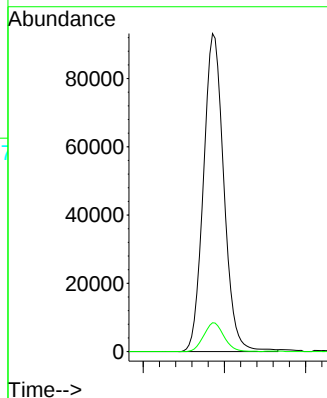
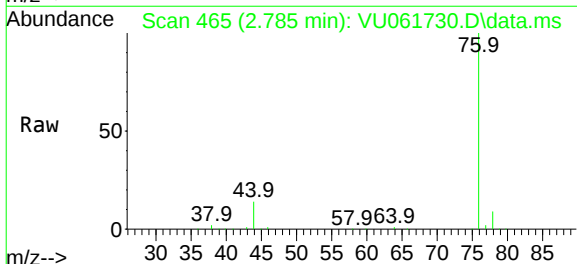
Acq: 15 Nov 2024 19:04

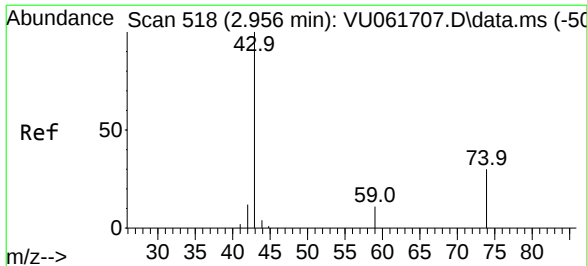
Tgt Ion: 76 Resp: 162529

Ion Ratio Lower Upper

76 100

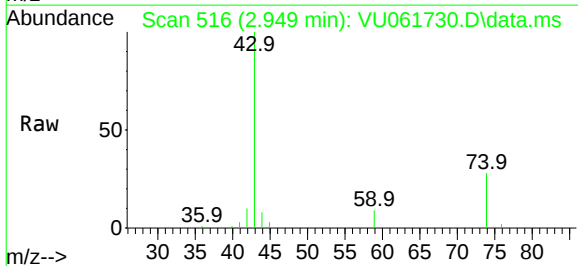
78 9.1 7.3 10.9



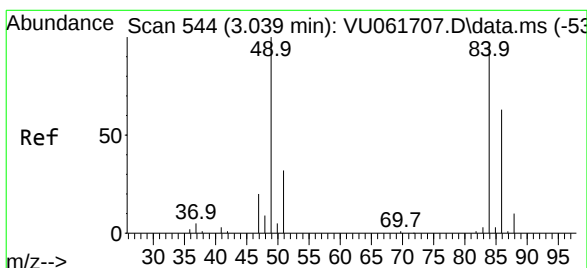
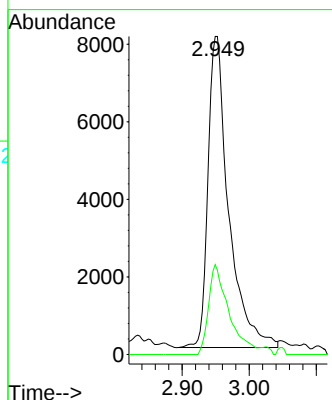
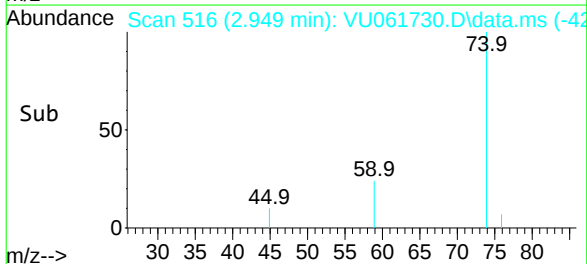


#15  
Methyl Acetate  
Concen: 4.610 ug/L  
RT: 2.949 min Scan# 518  
Delta R.T. -0.006 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCPB5MSD

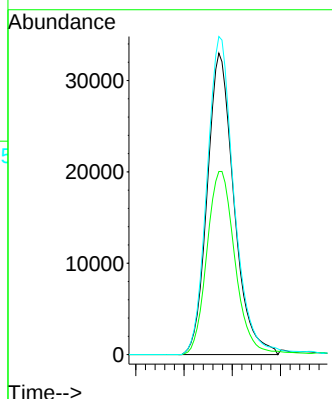
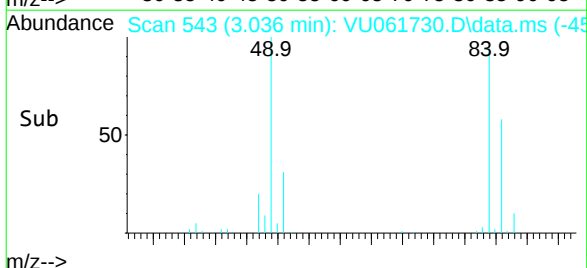
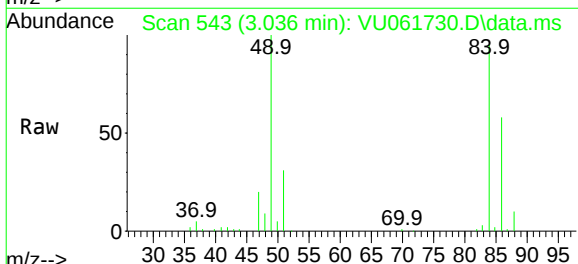


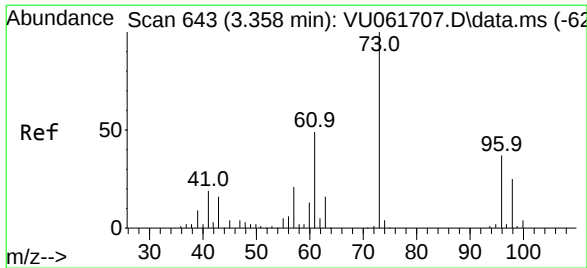
Tgt Ion: 43 Resp: 17159  
Ion Ratio Lower Upper  
43 100  
74 28.5 22.5 33.7



#16  
Methylene chloride  
Concen: 5.281 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. -0.003 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

Tgt Ion: 84 Resp: 63337  
Ion Ratio Lower Upper  
84 100  
86 60.7 45.1 83.7  
49 105.5 76.3 141.7

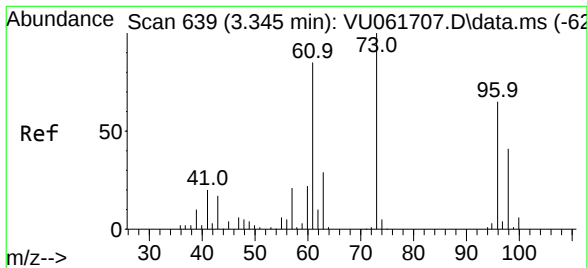
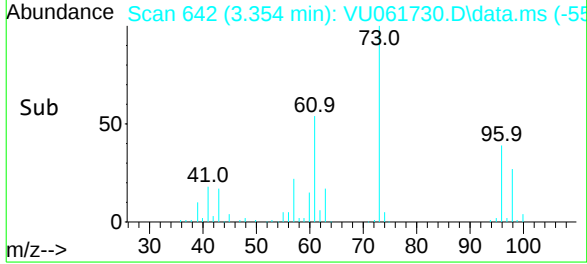
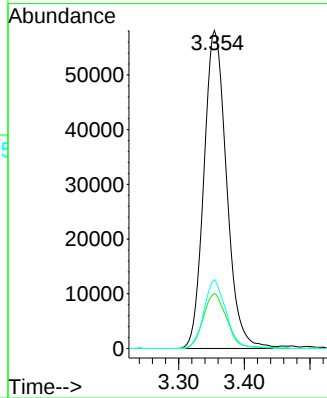
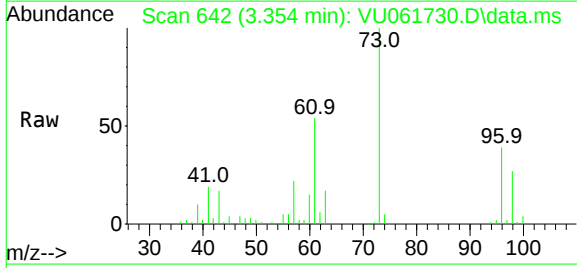




#17  
Methyl tert-butyl Ether  
Concen: 5.466 ug/L  
RT: 3.354 min Scan# 64  
Delta R.T. -0.003 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

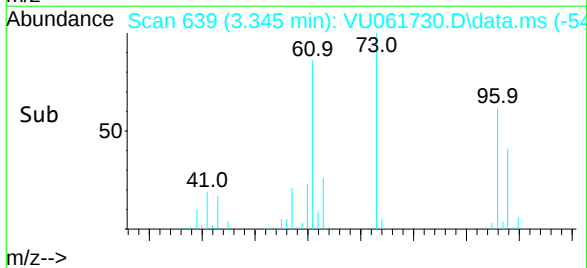
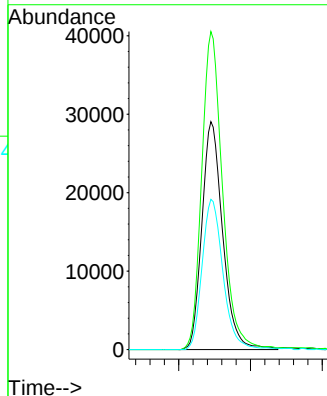
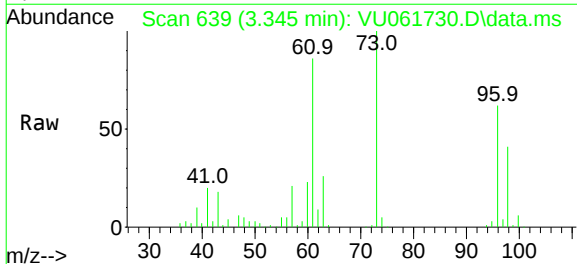
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCPB5MSD

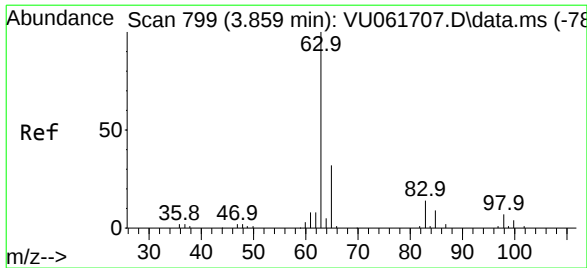
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 73    | Resp: | 139436 |
| Ion      | Ratio | Lower | Upper  |
| 73       | 100   |       |        |
| 43       | 17.7  | 14.2  | 21.4   |
| 57       | 20.9  | 16.9  | 25.3   |



#18  
trans-1,2-Dichloroethene  
Concen: 5.120 ug/L  
RT: 3.345 min Scan# 639  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 58450 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 139.5 | 94.1  | 174.8 |
| 98       | 65.9  | 43.2  | 80.2  |

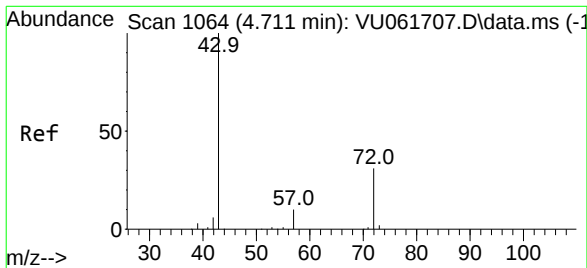
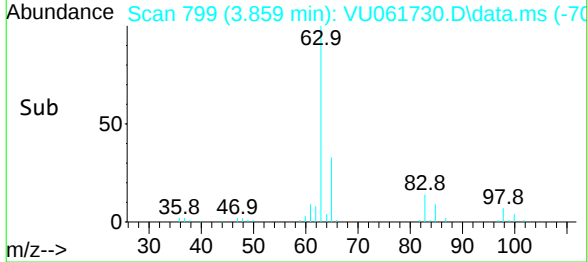
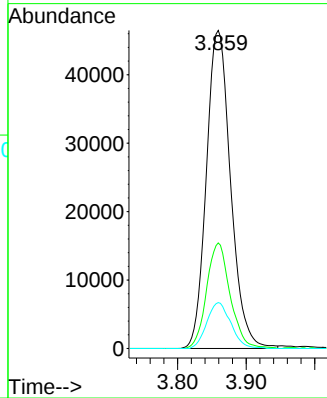
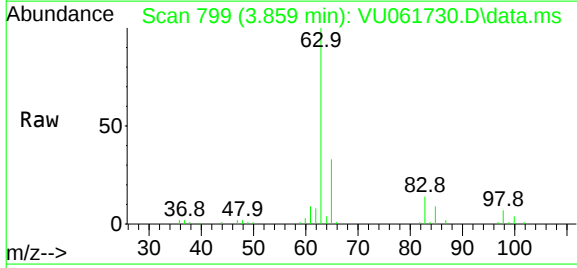




#19  
1,1-Dichloroethane  
Concen: 5.490 ug/L  
RT: 3.859 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

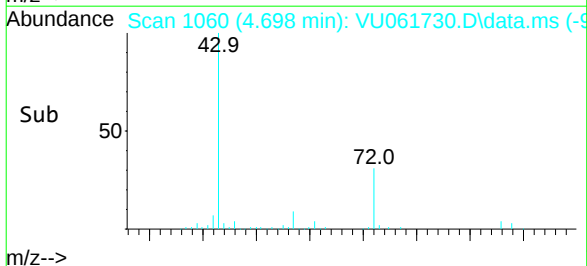
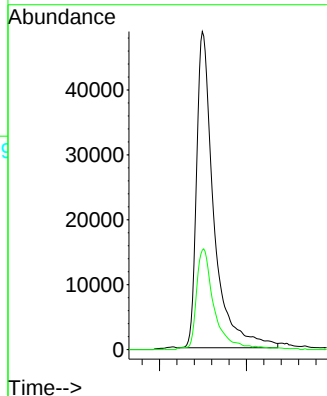
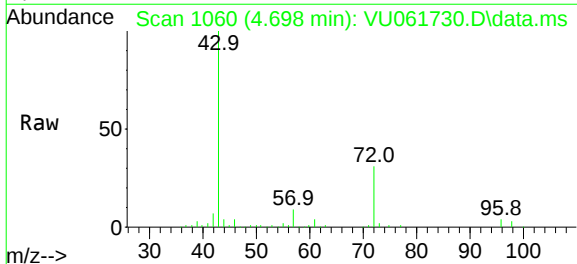
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCPB5MSD

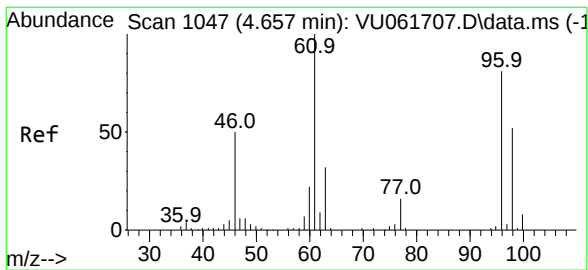
Tgt Ion: 63 Resp: 114258  
Ion Ratio Lower Upper  
63 100  
65 33.2 23.4 43.4  
83 14.4 9.6 17.8



#21  
2-Butanone  
Concen: 55.249 ug/L  
RT: 4.698 min Scan# 1060  
Delta R.T. -0.013 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

Tgt Ion: 43 Resp: 134414  
Ion Ratio Lower Upper  
43 100  
72 32.3 15.8 47.3

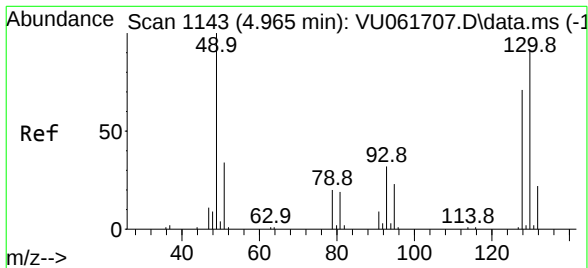
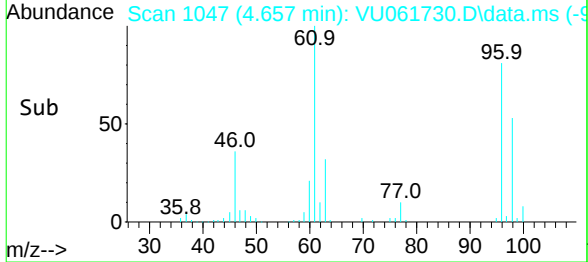
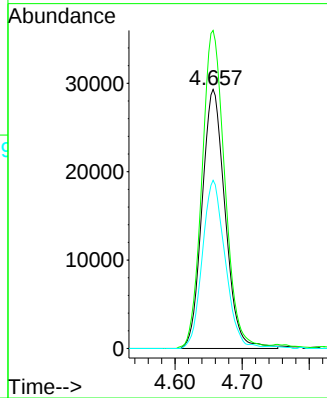
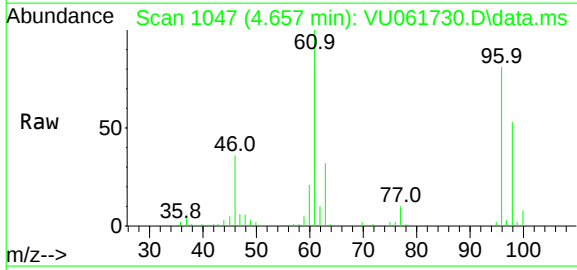




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.432 ug/L  
 RT: 4.657 min Scan# 1047  
 Delta R.T. 0.000 min  
 Lab File: VU061730.D  
 Acq: 15 Nov 2024 19:04

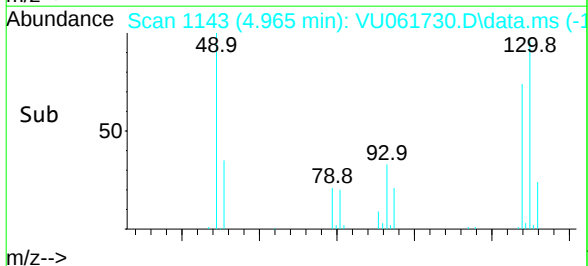
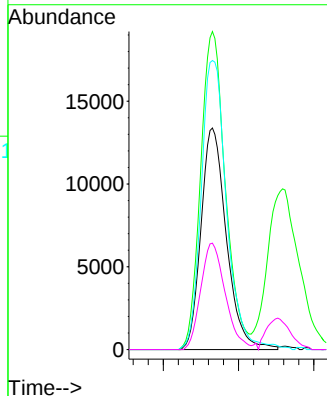
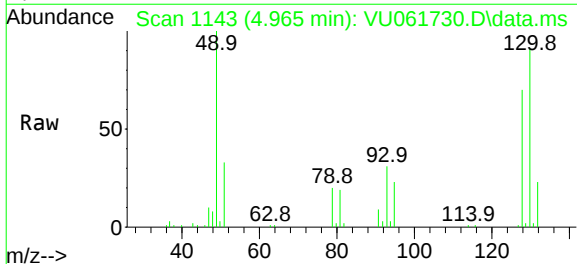
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCPB5MSD

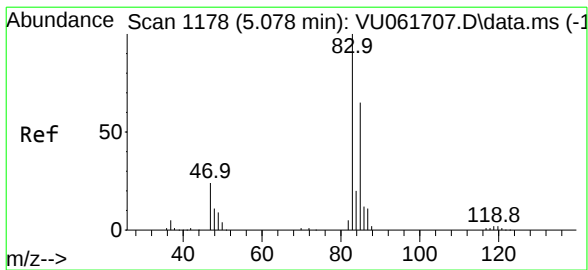
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 69939 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 122.8 | 85.6  | 159.0 |
| 98       | 64.9  | 45.6  | 84.8  |



#23  
 Bromochloromethane  
 Concen: 5.481 ug/L  
 RT: 4.965 min Scan# 1143  
 Delta R.T. 0.000 min  
 Lab File: VU061730.D  
 Acq: 15 Nov 2024 19:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 31342 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 148.2 | 99.1  | 184.1 |
| 130      | 130.4 | 88.6  | 164.6 |
| 51       | 48.0  | 35.8  | 53.6  |





#25

Chloroform

Concen: 5.473 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU061730.D

Acq: 15 Nov 2024 19:04

Instrument :

MSVOA\_U

ClientSampleId :

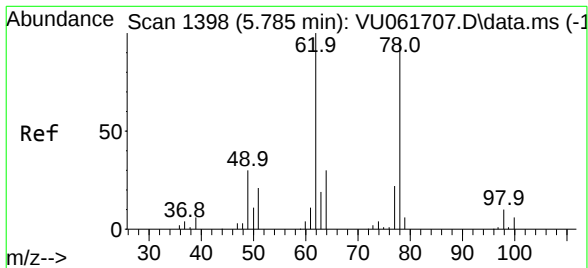
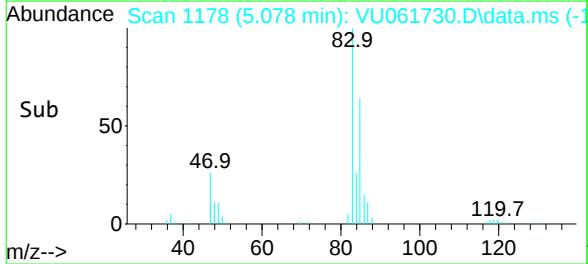
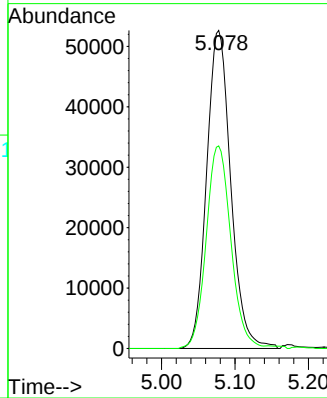
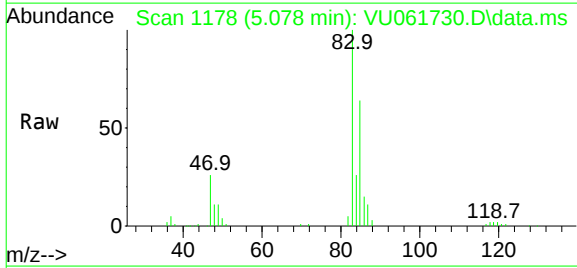
GCPB5MSD

Tgt Ion: 83 Resp: 120066

Ion Ratio Lower Upper

83 100

85 63.7 44.1 81.9



#27

1,2-Dichloroethane

Concen: 5.490 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU061730.D

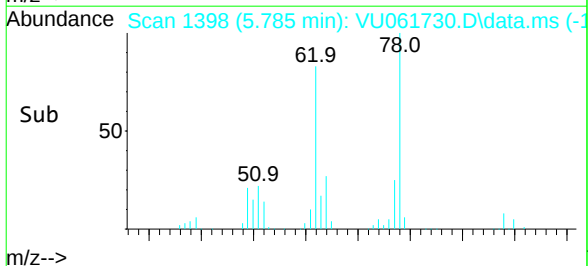
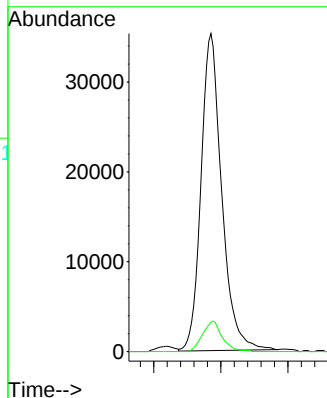
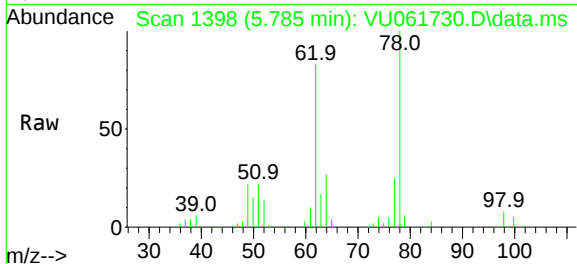
Acq: 15 Nov 2024 19:04

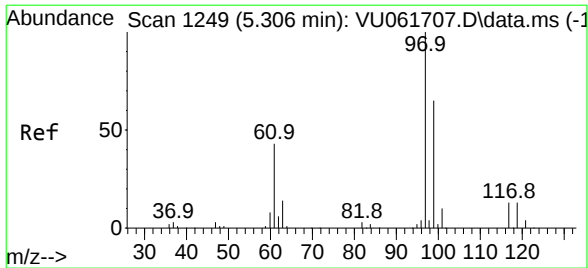
Tgt Ion: 62 Resp: 75581

Ion Ratio Lower Upper

62 100

98 9.2 7.7 11.5

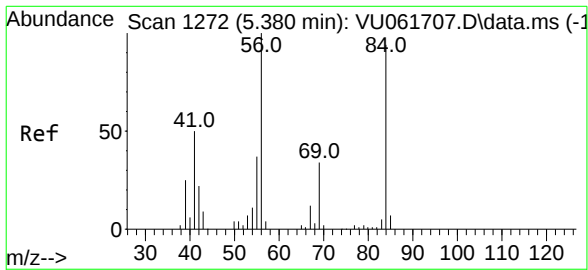
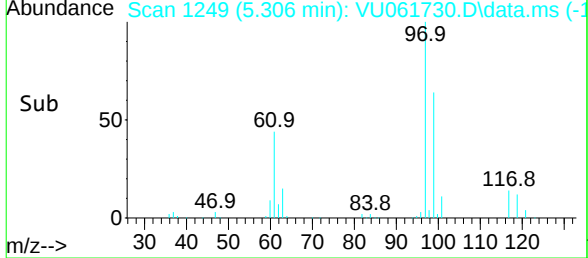
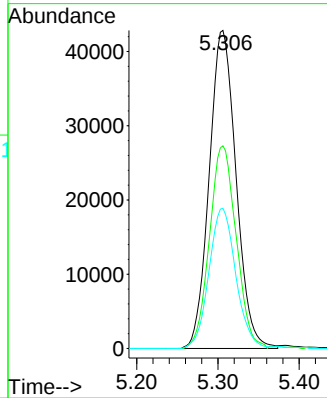
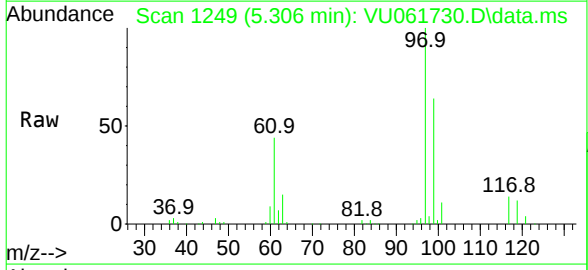




#29  
1,1,1-Trichloroethane  
Concen: 5.289 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

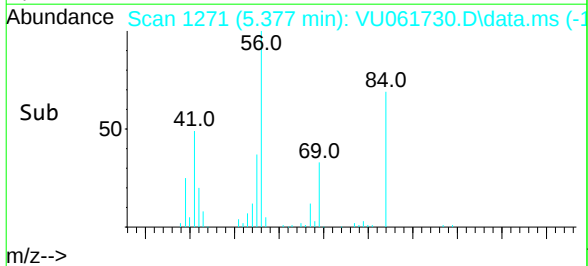
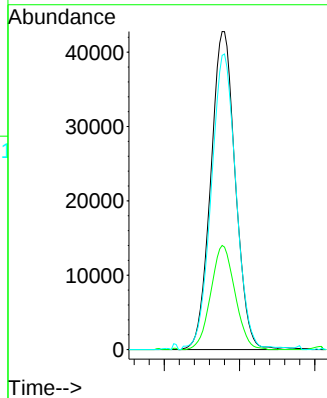
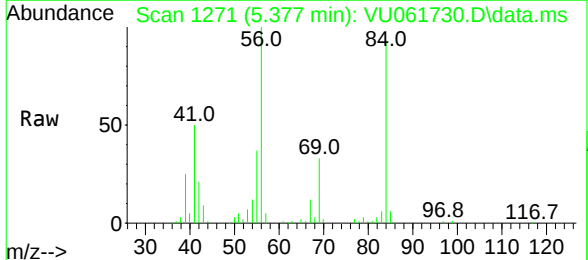
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCPB5MSD

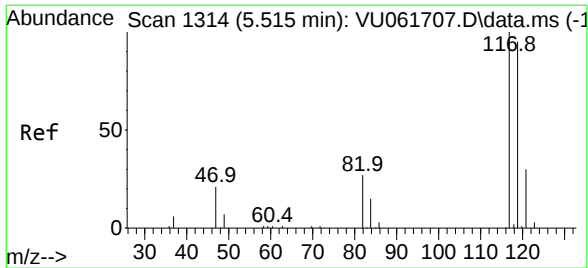
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 98529 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.2  | 51.7  | 77.5  |
| 61       | 44.0  | 35.4  | 53.0  |



#30  
Cyclohexane  
Concen: 5.216 ug/L  
RT: 5.377 min Scan# 1271  
Delta R.T. -0.003 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 97072 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 32.2  | 25.6  | 38.4  |
| 84       | 93.3  | 74.3  | 111.5 |

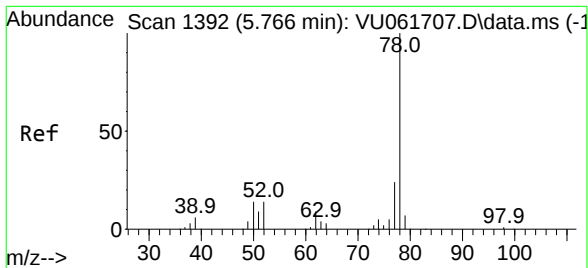
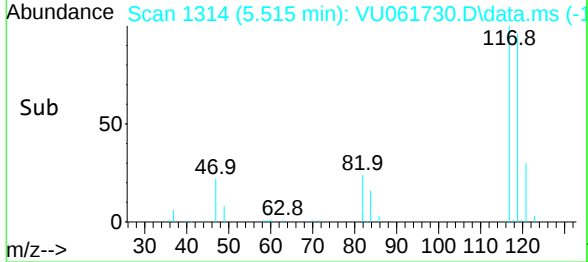
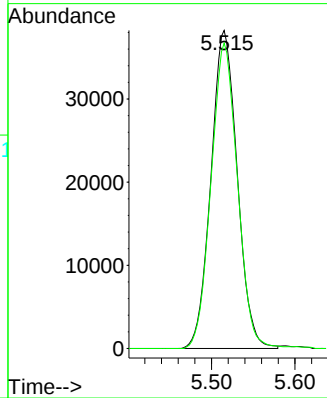
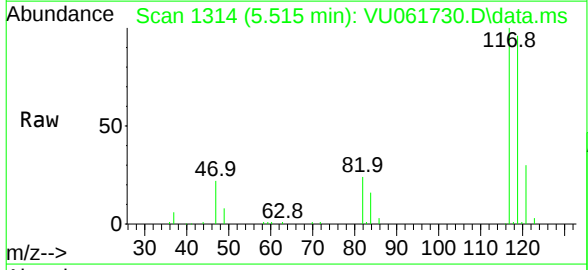




#31  
Carbon tetrachloride  
Concen: 5.280 ug/L  
RT: 5.515 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

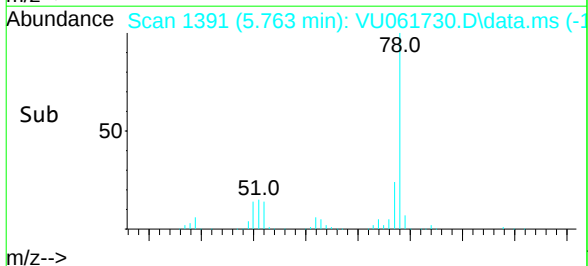
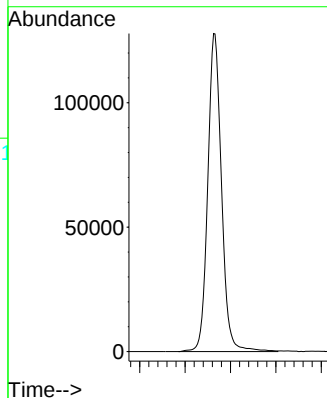
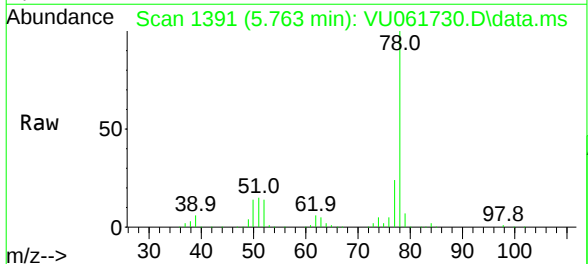
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCPB5MSD

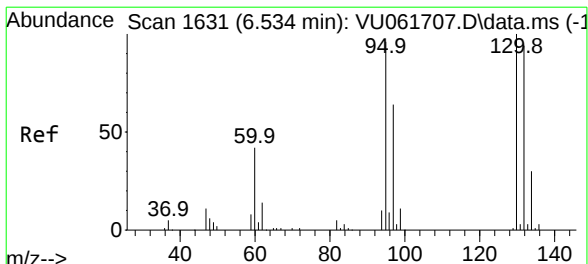
Tgt Ion:117 Resp: 83785  
Ion Ratio Lower Upper  
117 100  
119 96.2 76.6 114.8



#33  
Benzene  
Concen: 5.424 ug/L  
RT: 5.763 min Scan# 1391  
Delta R.T. -0.003 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

Tgt Ion: 78 Resp: 268745

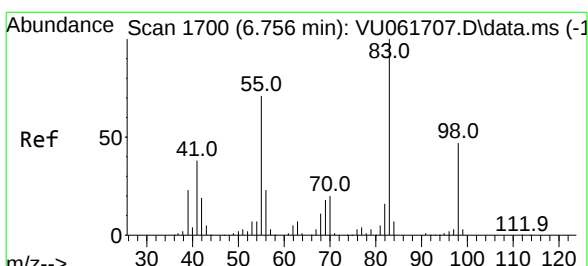
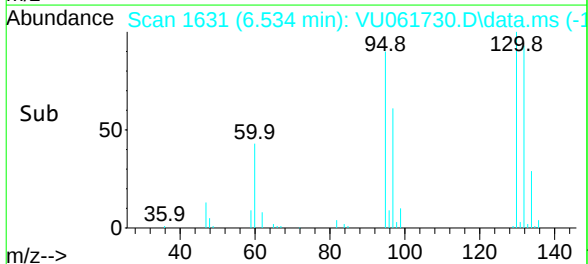
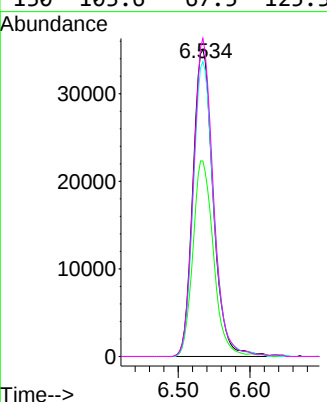
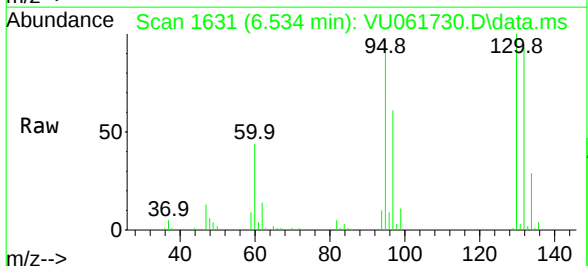




#34  
 Trichloroethene  
 Concen: 5.150 ug/L  
 RT: 6.534 min Scan# 1698  
 Delta R.T. 0.000 min  
 Lab File: VU061730.D  
 Acq: 15 Nov 2024 19:04

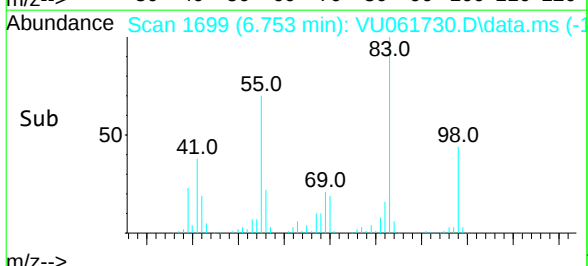
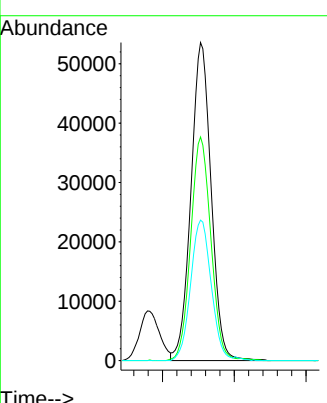
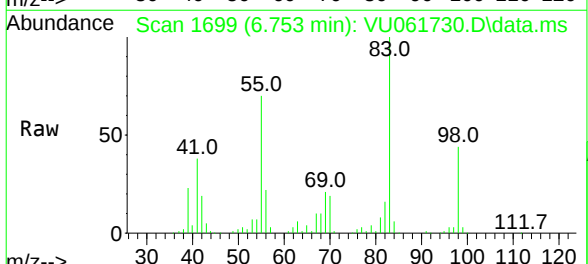
Instrument : MSVOA\_U  
 ClientSampleId : GCPB5MSD

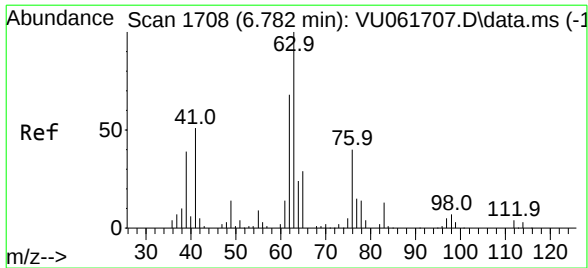
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 68908 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 63.7  | 43.5  | 80.9  |
| 132      | 96.1  | 65.2  | 121.0 |
| 130      | 103.6 | 67.5  | 125.3 |



#35  
 Methylcyclohexane  
 Concen: 5.185 ug/L  
 RT: 6.753 min Scan# 1699  
 Delta R.T. -0.003 min  
 Lab File: VU061730.D  
 Acq: 15 Nov 2024 19:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 104624 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 55       | 70.3  | 56.4  | 84.6   |
| 98       | 44.8  | 37.7  | 56.5   |

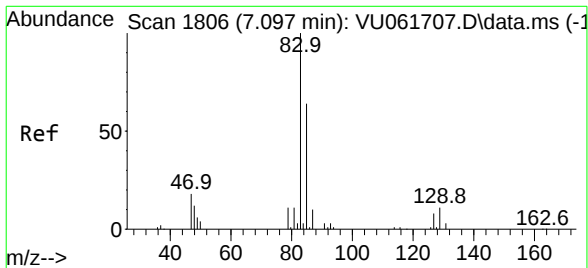
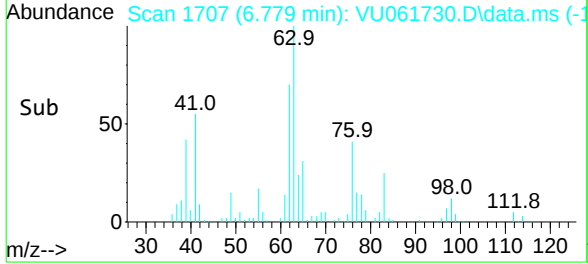
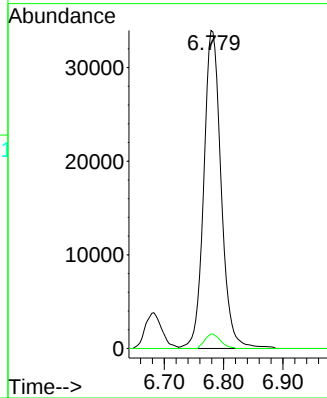
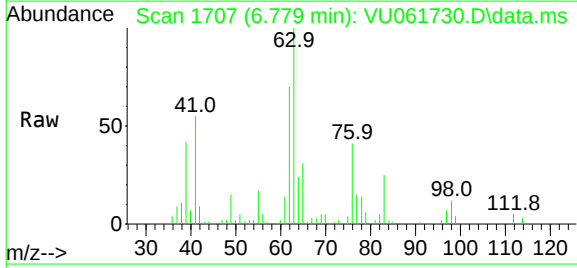




#37  
1,2-Dichloropropane  
Concen: 5.493 ug/L  
RT: 6.779 min Scan# 1708  
Delta R.T. -0.003 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

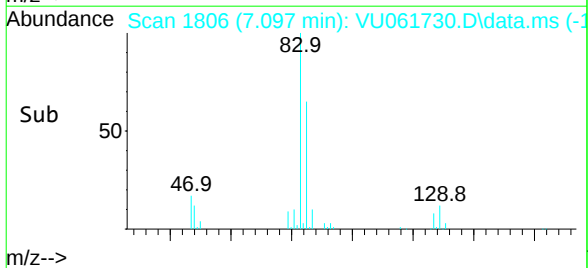
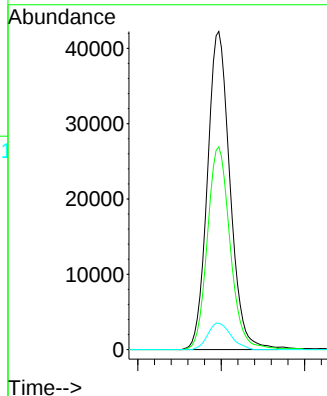
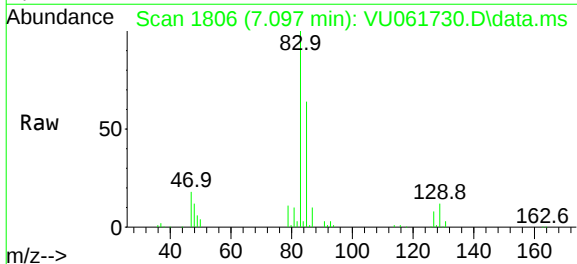
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCPB5MSD

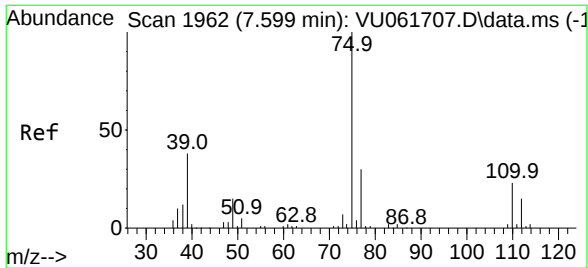
Tgt Ion: 63 Resp: 69056  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.0 4.4



#38  
Bromodichloromethane  
Concen: 5.265 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

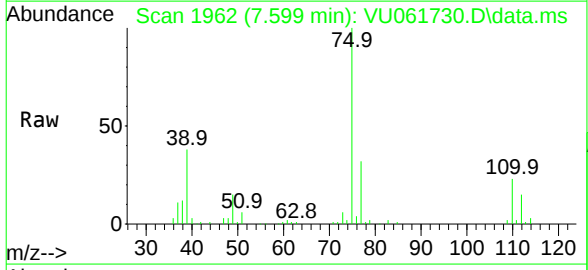
Tgt Ion: 83 Resp: 79414  
Ion Ratio Lower Upper  
83 100  
85 63.8 45.0 83.6  
127 8.3 6.9 10.3



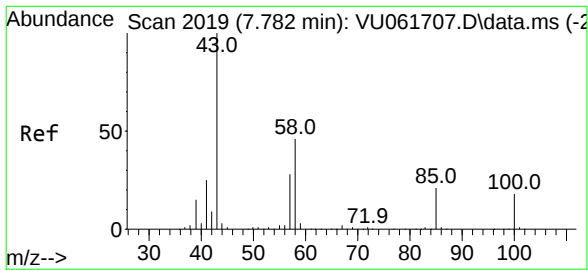
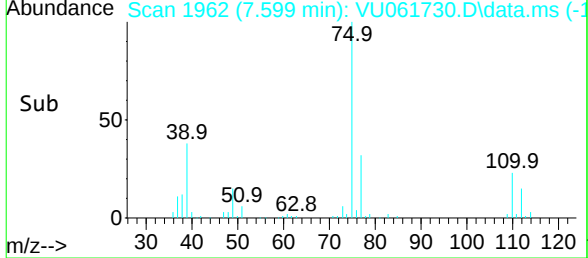
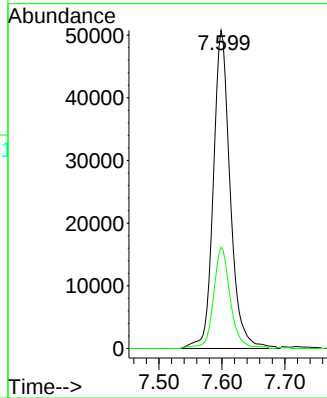


#39  
 cis-1,3-Dichloropropene  
 Concen: 5.279 ug/L  
 RT: 7.599 min Scan# 1962  
 Delta R.T. 0.000 min  
 Lab File: VU061730.D  
 Acq: 15 Nov 2024 19:04

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCPB5MSD

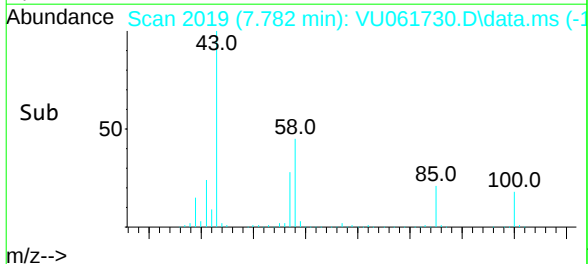
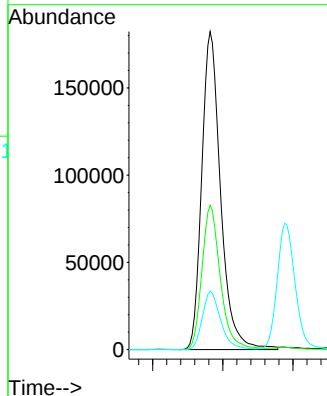
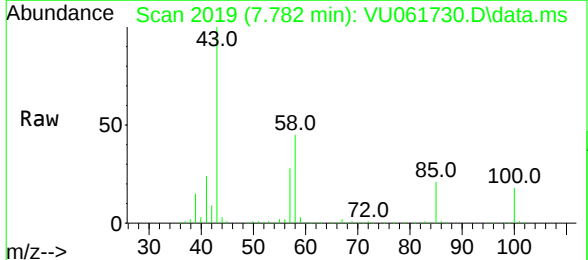


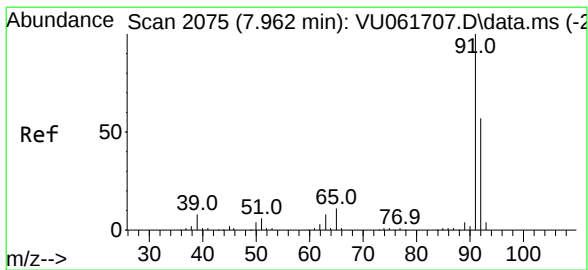
Tgt Ion: 75 Resp: 94443  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 22.9 42.5



#40  
 4-Methyl-2-pentanone  
 Concen: 56.481 ug/L  
 RT: 7.782 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VU061730.D  
 Acq: 15 Nov 2024 19:04

Tgt Ion: 43 Resp: 340419  
 Ion Ratio Lower Upper  
 43 100  
 58 44.4 35.7 53.5  
 100 17.9 14.2 21.2





#42

Toluene

Concen: 5.397 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU061730.D

Acq: 15 Nov 2024 19:04

Instrument :

MSVOA\_U

ClientSampleId :

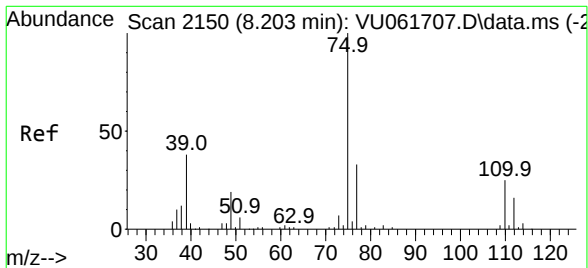
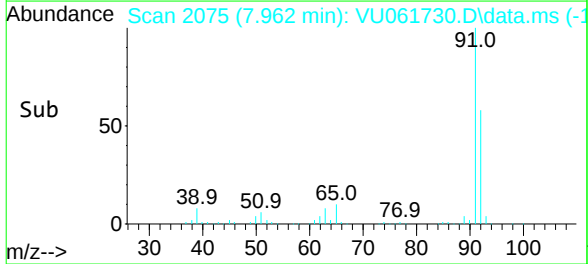
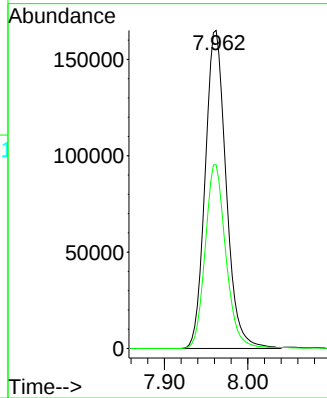
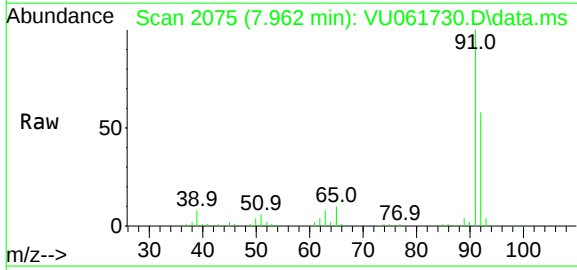
GCPB5MSD

Tgt Ion: 91 Resp: 287919

Ion Ratio Lower Upper

91 100

92 57.8 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 5.183 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU061730.D

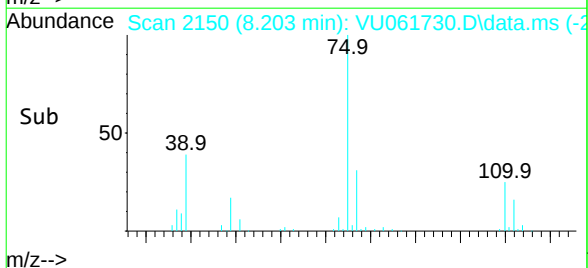
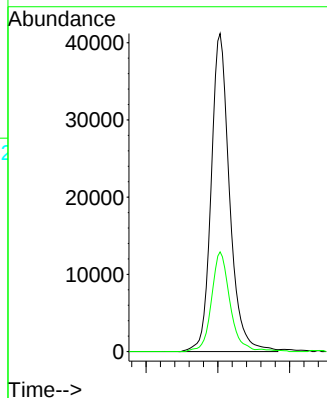
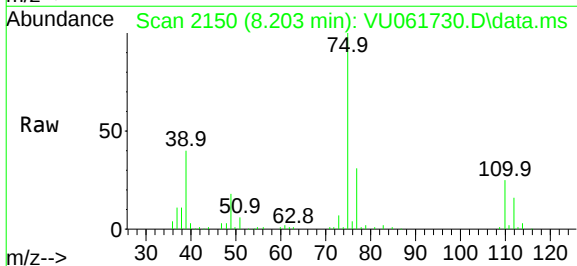
Acq: 15 Nov 2024 19:04

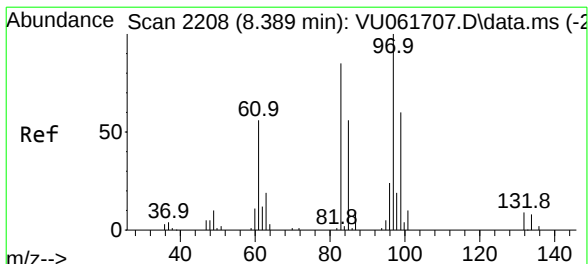
Tgt Ion: 75 Resp: 73544

Ion Ratio Lower Upper

75 100

77 31.3 21.7 40.3

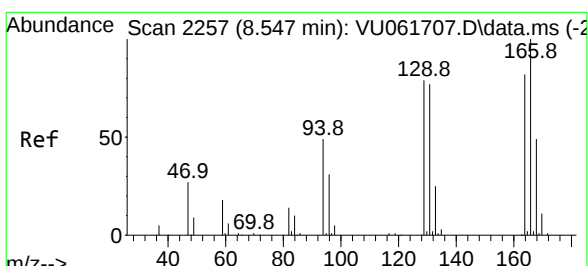
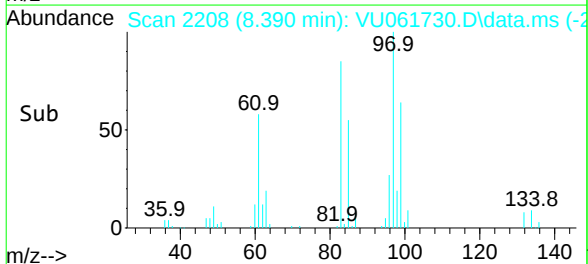
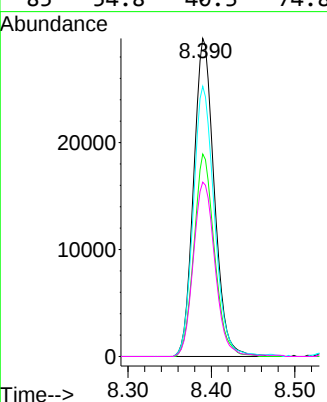
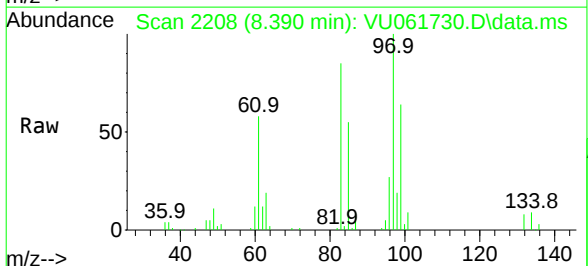




#45  
 1,1,2-Trichloroethane  
 Concen: 5.576 ug/L  
 RT: 8.390 min Scan# 2208  
 Delta R.T. 0.000 min  
 Lab File: VU061730.D  
 Acq: 15 Nov 2024 19:04

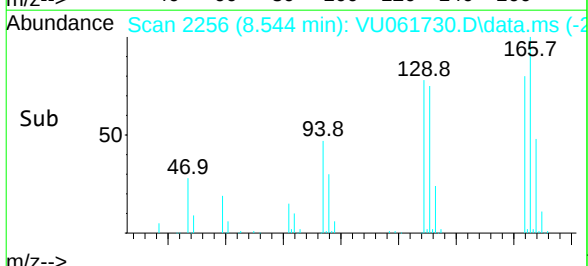
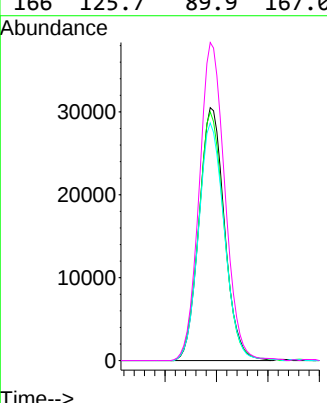
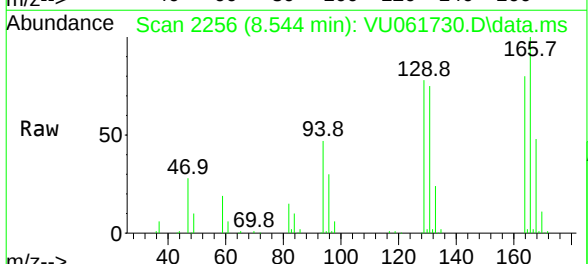
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCPB5MSD

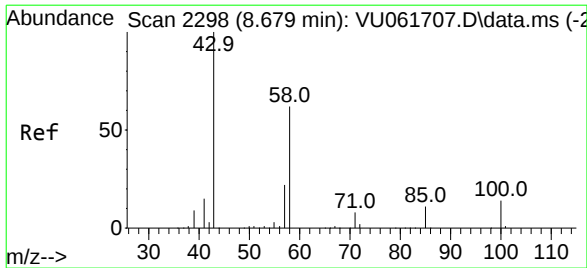
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 51099 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.7  | 43.8  | 81.3  |
| 83       | 85.0  | 63.2  | 117.4 |
| 85       | 54.8  | 40.3  | 74.8  |



#47  
 Tetrachloroethene  
 Concen: 5.212 ug/L  
 RT: 8.544 min Scan# 2256  
 Delta R.T. -0.003 min  
 Lab File: VU061730.D  
 Acq: 15 Nov 2024 19:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 52395 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 98.3  | 71.7  | 133.3 |
| 131      | 93.9  | 68.2  | 126.6 |
| 166      | 125.7 | 89.9  | 167.0 |

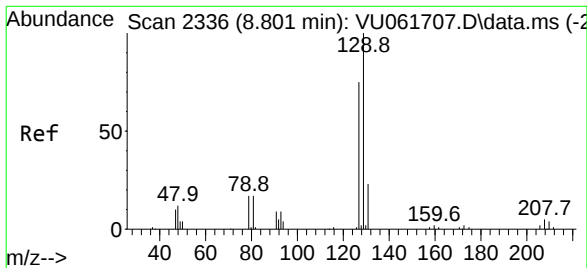
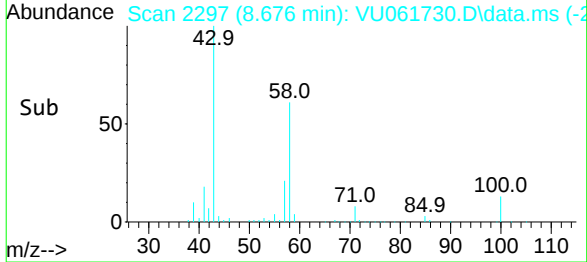
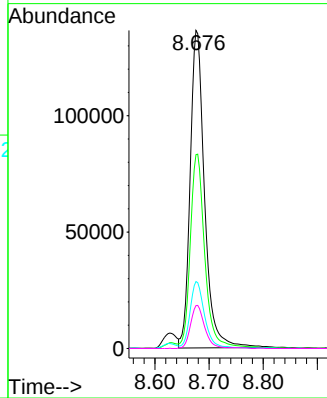
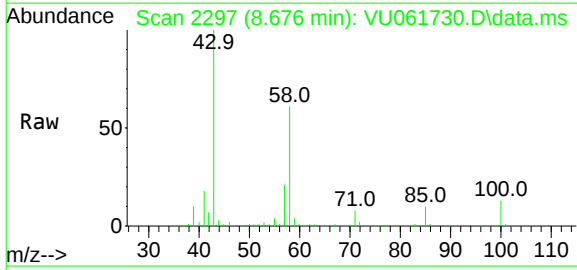




#48  
2-Hexanone  
Concen: 58.505 ug/L  
RT: 8.676 min Scan# 2298  
Delta R.T. -0.003 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

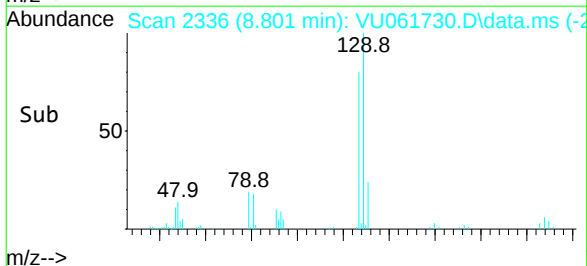
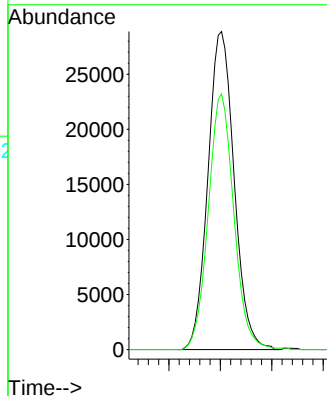
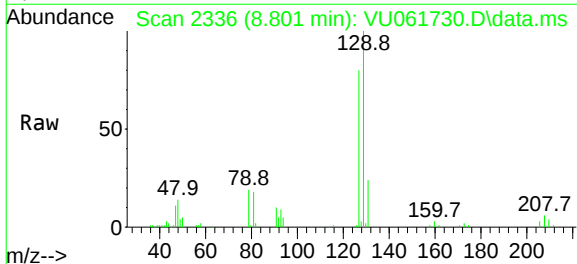
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCPB5MSD

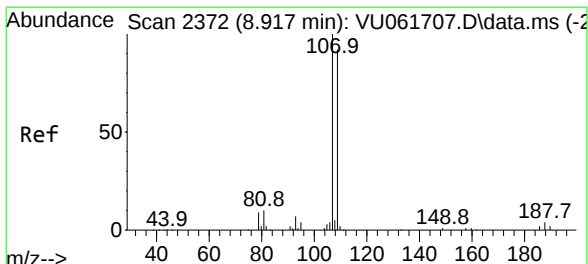
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 252129 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 62.6  | 49.4  | 74.2   |
| 57       | 21.2  | 16.3  | 24.5   |
| 100      | 13.3  | 10.6  | 16.0   |



#49  
Dibromochloromethane  
Concen: 5.322 ug/L  
RT: 8.801 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 51136 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 80.4  | 55.1  | 102.3 |

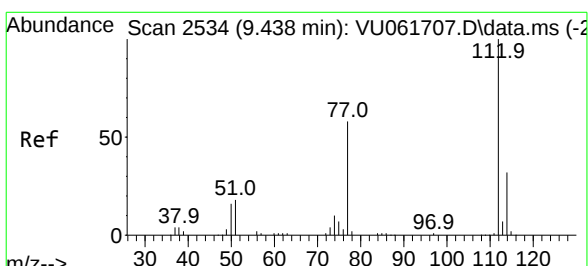
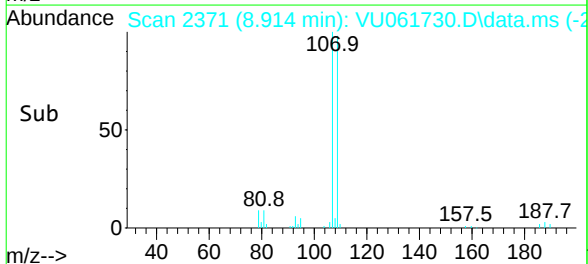
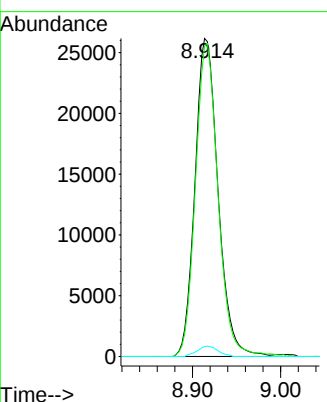
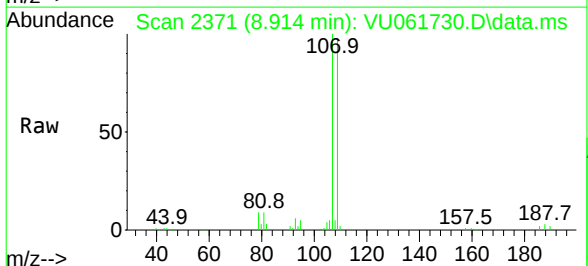




#50  
 1,2-Dibromoethane  
 Concen: 5.511 ug/L  
 RT: 8.914 min Scan# 2371  
 Delta R.T. -0.003 min  
 Lab File: VU061730.D  
 Acq: 15 Nov 2024 19:04

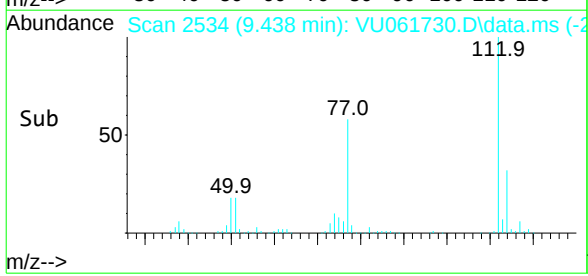
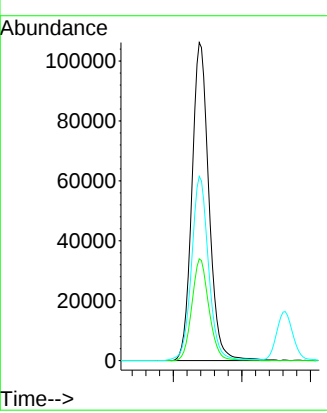
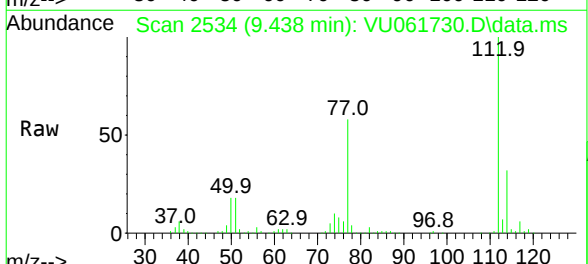
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCPB5MSD

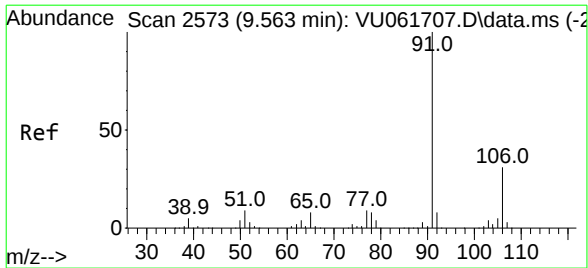
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 47633 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 97.7  | 64.8  | 120.4 |
| 188      | 3.2   | 2.5   | 3.7   |



#51  
 Chlorobenzene  
 Concen: 5.329 ug/L  
 RT: 9.438 min Scan# 2534  
 Delta R.T. 0.000 min  
 Lab File: VU061730.D  
 Acq: 15 Nov 2024 19:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 182990 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.0  | 22.5  | 41.9   |
| 77       | 57.9  | 45.3  | 67.9   |

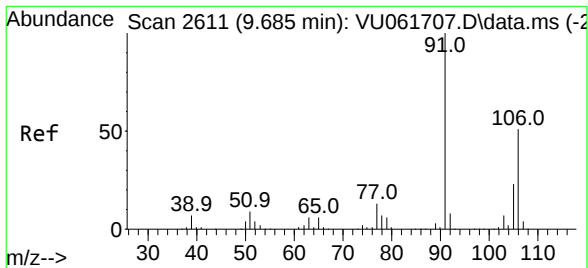
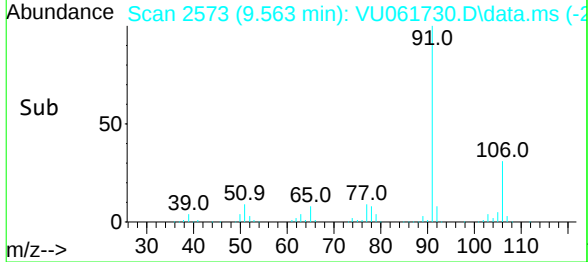
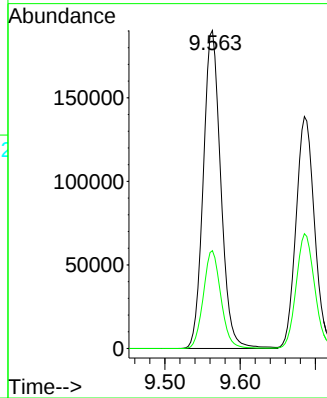
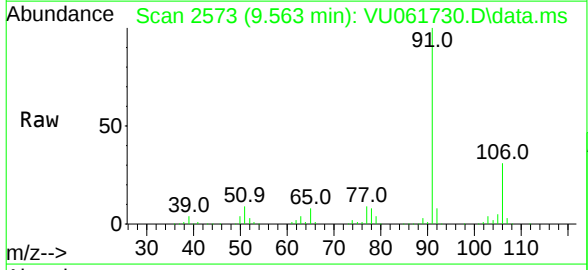




#52  
 Ethylbenzene  
 Concen: 5.403 ug/L  
 RT: 9.563 min Scan# 2573  
 Delta R.T. 0.000 min  
 Lab File: VU061730.D  
 Acq: 15 Nov 2024 19:04

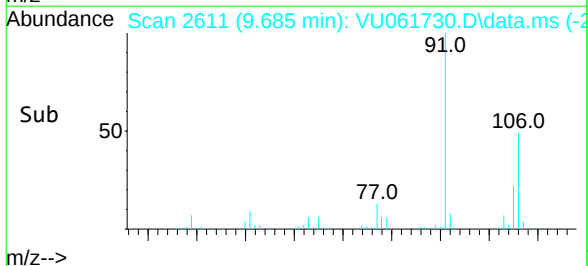
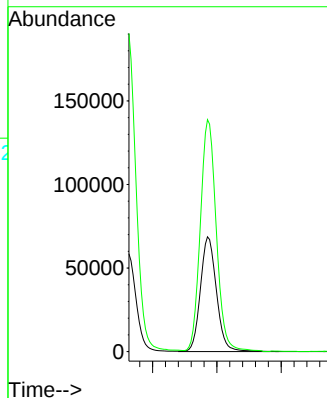
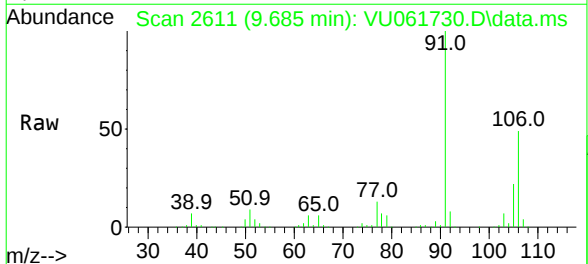
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCPB5MSD

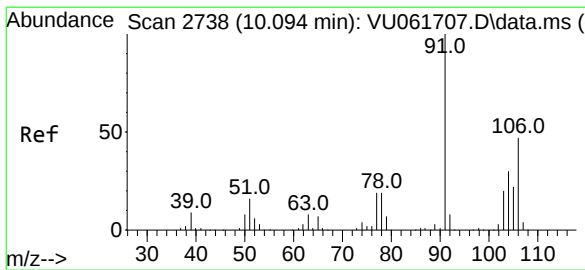
Tgt Ion: 91 Resp: 307064  
 Ion Ratio Lower Upper  
 91 100  
 106 30.8 21.7 40.3



#53  
 m,p-Xylene  
 Concen: 5.463 ug/L  
 RT: 9.685 min Scan# 2611  
 Delta R.T. 0.000 min  
 Lab File: VU061730.D  
 Acq: 15 Nov 2024 19:04

Tgt Ion: 106 Resp: 118781  
 Ion Ratio Lower Upper  
 106 100  
 91 202.0 140.4 260.8





#54

o-Xylene

Concen: 5.474 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU061730.D

Acq: 15 Nov 2024 19:04

Instrument :

MSVOA\_U

ClientSampleId :

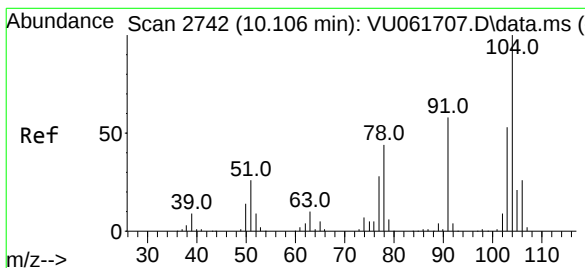
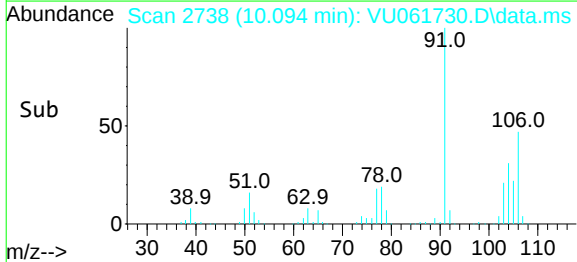
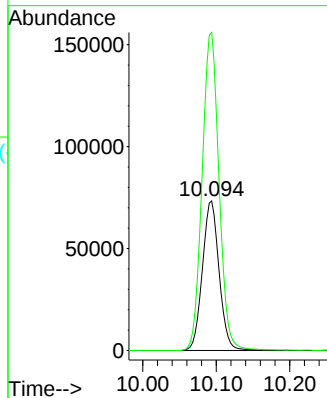
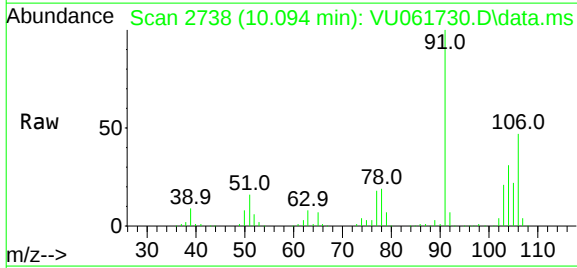
GCPB5MSD

Tgt Ion:106 Resp: 115699

Ion Ratio Lower Upper

106 100

91 212.7 151.3 280.9



#55

Styrene

Concen: 5.400 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU061730.D

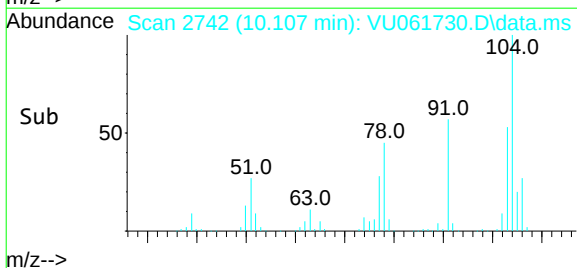
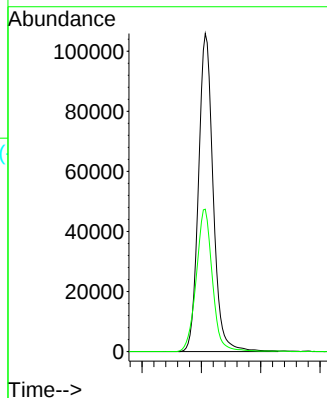
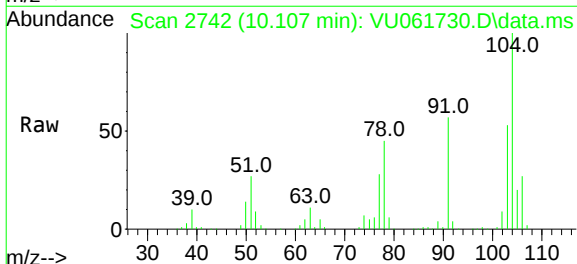
Acq: 15 Nov 2024 19:04

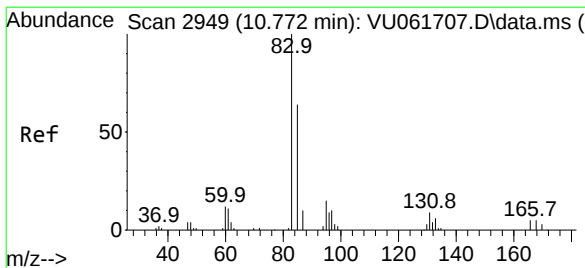
Tgt Ion:104 Resp: 181706

Ion Ratio Lower Upper

104 100

78 44.8 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.559 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU061730.D

Acq: 15 Nov 2024 19:04

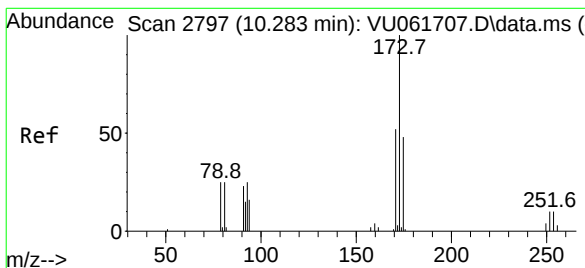
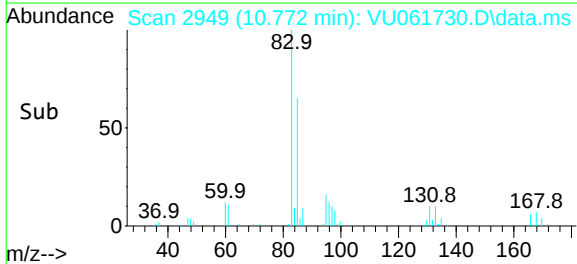
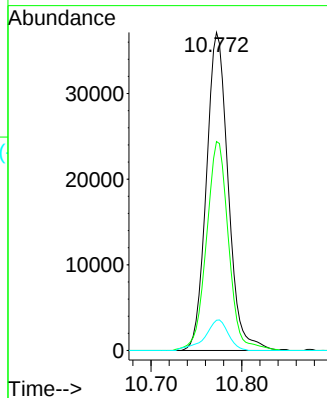
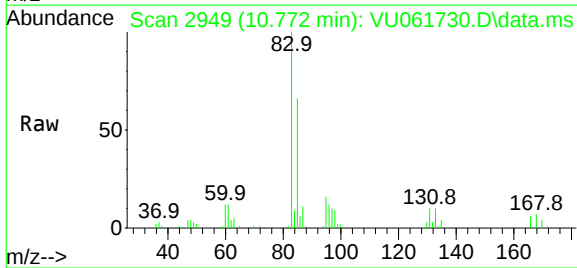
Instrument :

MSVOA\_U

ClientSampleId :

GCPB5MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 61993 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 65.7  | 41.9  | 77.9  |
| 131      | 9.5   | 7.8   | 11.6  |



#59

Bromoform

Concen: 5.175 ug/L

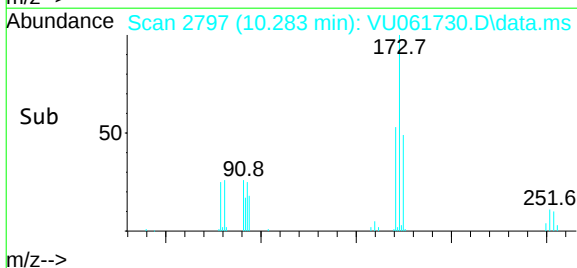
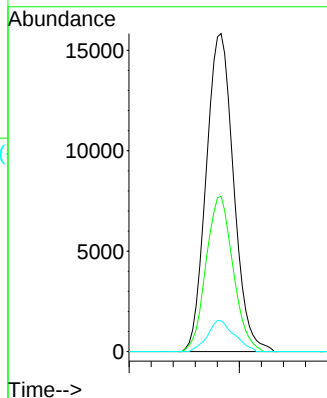
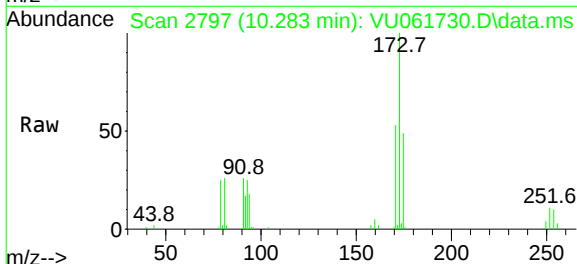
RT: 10.283 min Scan# 2797

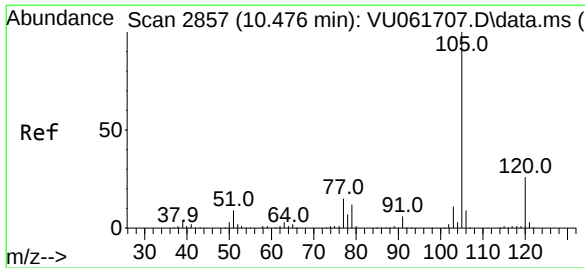
Delta R.T. 0.000 min

Lab File: VU061730.D

Acq: 15 Nov 2024 19:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 27346 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.1  | 39.3  | 58.9  |
| 254      | 9.5   | 7.8   | 11.8  |

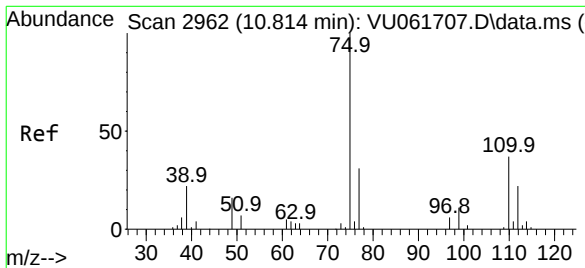
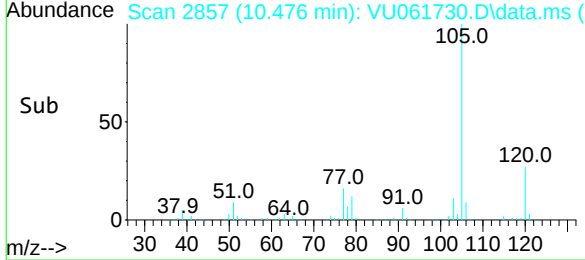
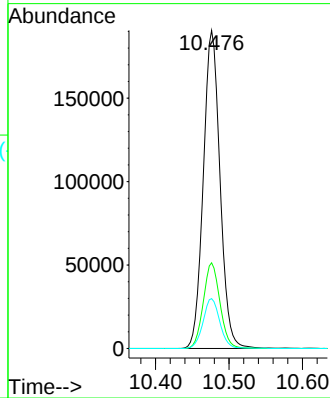
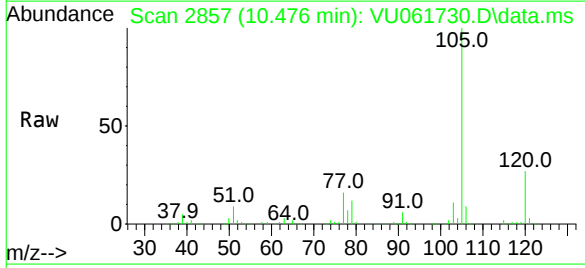




#60  
Isopropylbenzene  
Concen: 5.442 ug/L  
RT: 10.476 min Scan# 2857  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

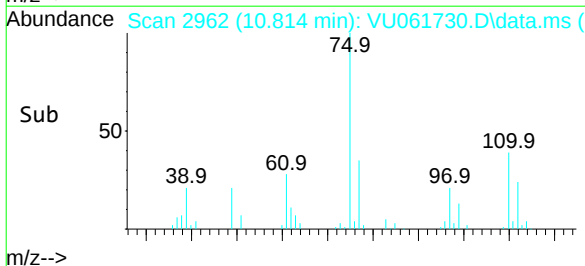
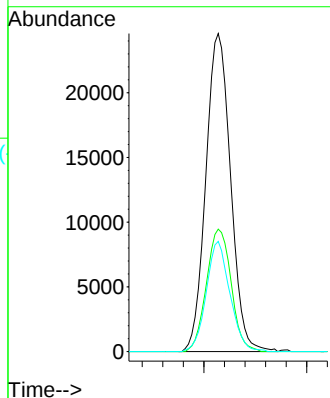
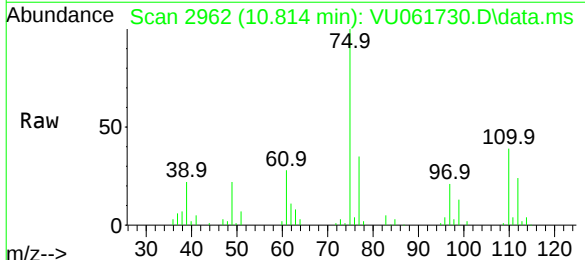
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCPB5MSD

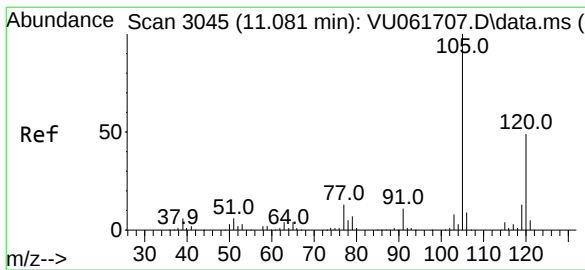
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 301322 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 26.8  | 21.6  | 32.4   |
| 77       | 15.8  | 12.8  | 19.2   |



#61  
1,2,3-Trichloropropane  
Concen: 5.461 ug/L  
RT: 10.814 min Scan# 2962  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 41072 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 38.3  | 31.3  | 46.9  |
| 77       | 33.1  | 26.0  | 39.0  |





#62

1,3,5-Trimethylbenzene

Concen: 5.294 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU061730.D

Acq: 15 Nov 2024 19:04

Instrument :

MSVOA\_U

ClientSampleId :

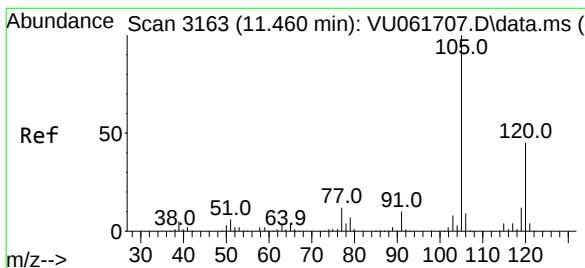
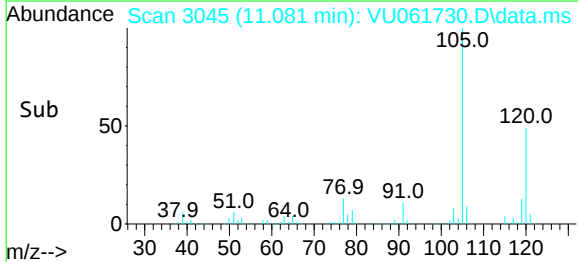
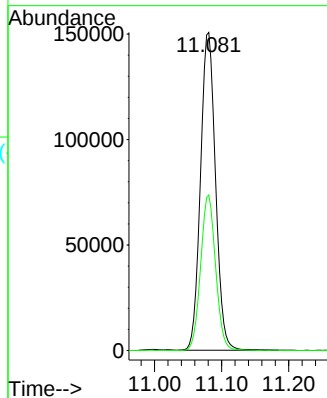
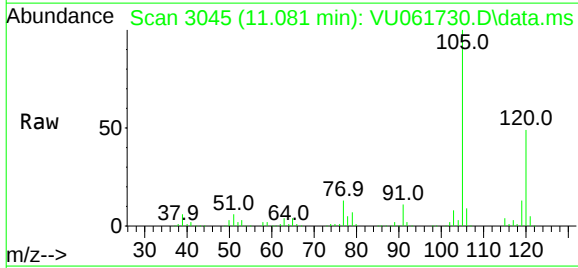
GCPB5MSD

Tgt Ion:105 Resp: 234702

Ion Ratio Lower Upper

105 100

120 48.7 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 5.421 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU061730.D

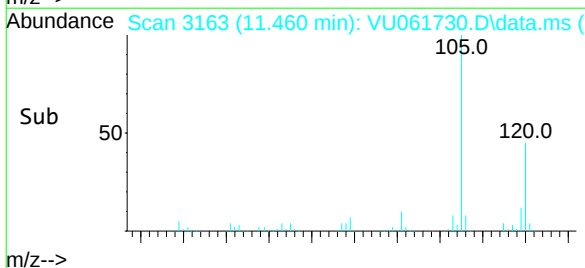
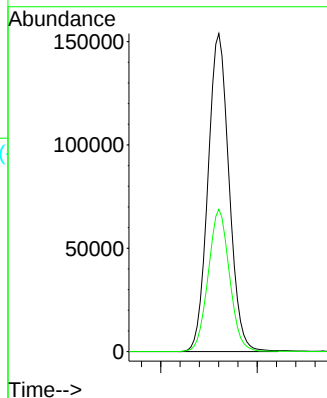
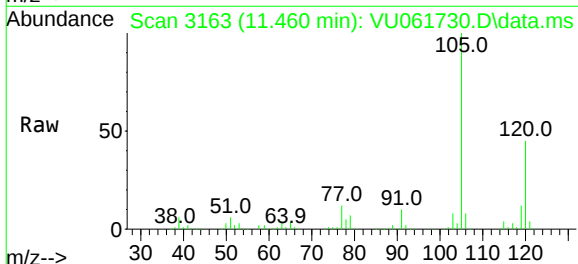
Acq: 15 Nov 2024 19:04

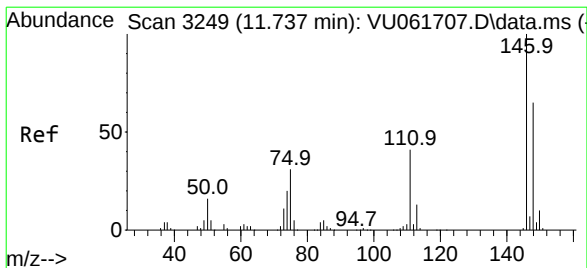
Tgt Ion:105 Resp: 233927

Ion Ratio Lower Upper

105 100

120 45.1 36.3 54.5





#64

1,3-Dichlorobenzene

Concen: 5.455 ug/L

RT: 11.737 min Scan# 32

Delta R.T. 0.000 min

Lab File: VU061730.D

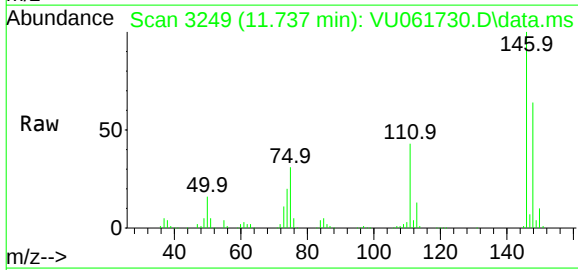
Acq: 15 Nov 2024 19:04

Instrument :

MSVOA\_U

ClientSampleId :

GCPB5MSD



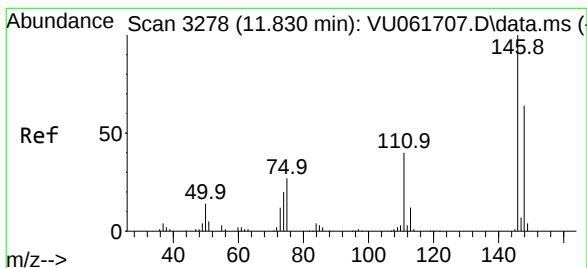
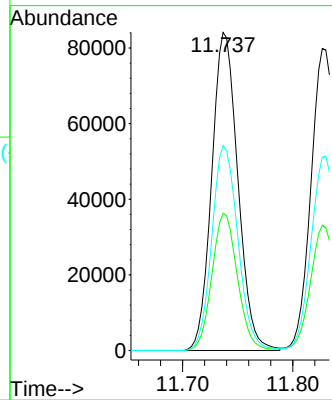
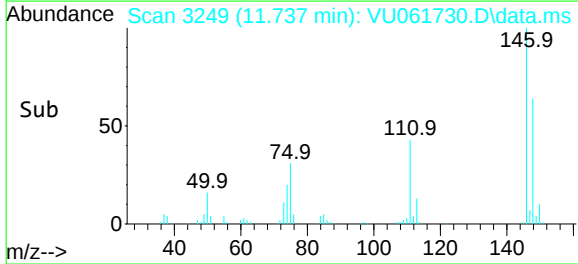
Tgt Ion:146 Resp: 138498

Ion Ratio Lower Upper

146 100

111 43.1 29.3 54.3

148 64.4 44.5 82.7



#65

1,4-Dichlorobenzene

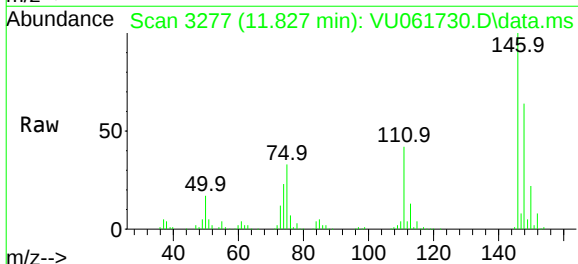
Concen: 5.185 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. -0.003 min

Lab File: VU061730.D

Acq: 15 Nov 2024 19:04



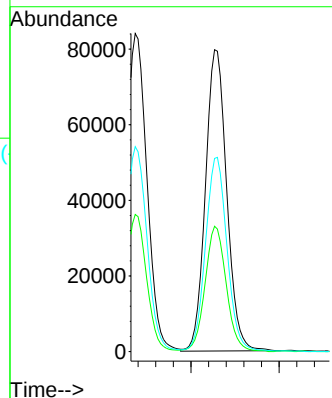
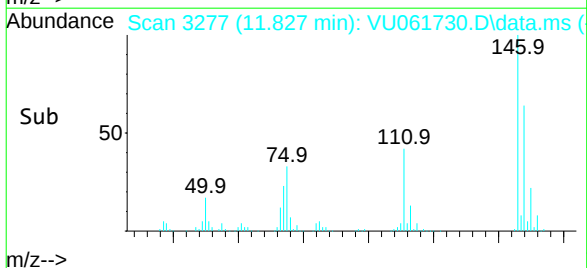
Tgt Ion:146 Resp: 133677

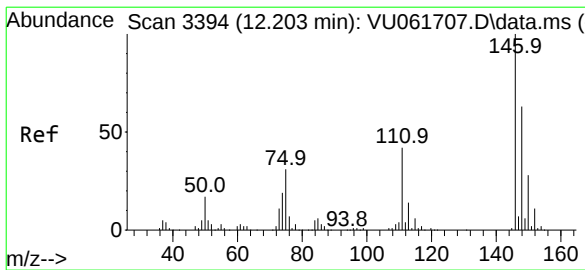
Ion Ratio Lower Upper

146 100

111 41.5 28.8 53.4

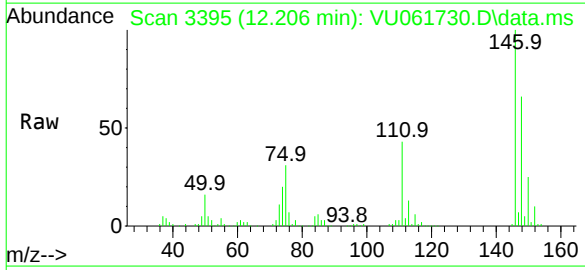
148 64.0 44.7 83.1



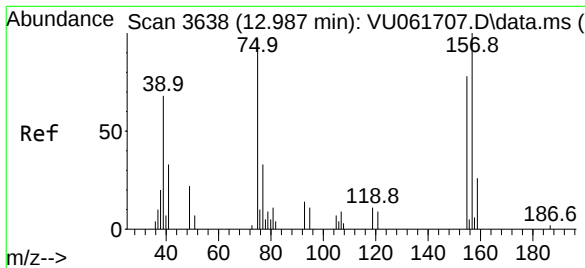
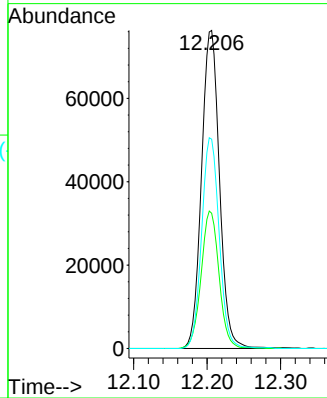
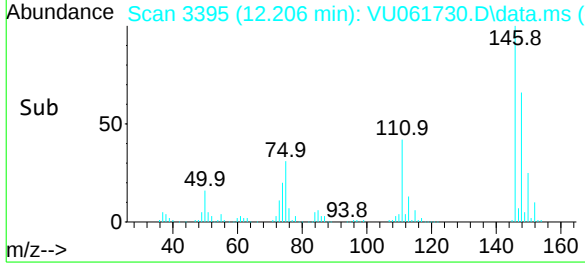


#67  
1,2-Dichlorobenzene  
Concen: 5.489 ug/L  
RT: 12.206 min Scan# 3395  
Delta R.T. 0.003 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

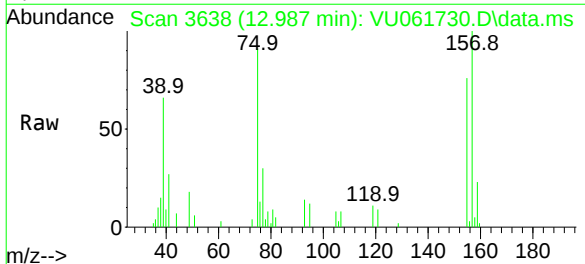
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCPB5MSD



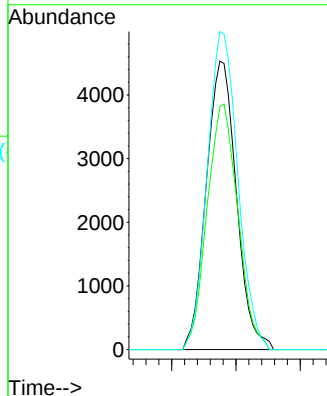
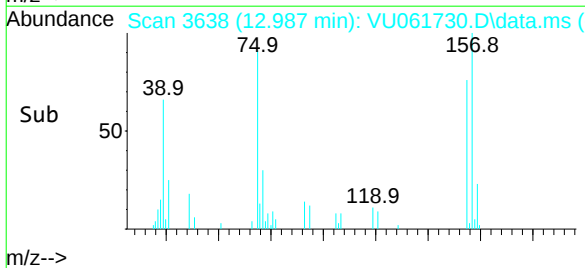
Tgt Ion:146 Resp: 129614  
Ion Ratio Lower Upper  
146 100  
111 42.5 35.2 52.8  
148 65.8 52.6 79.0

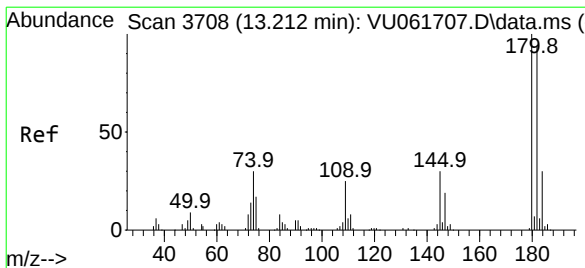


#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.616 ug/L  
RT: 12.987 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04



Tgt Ion: 75 Resp: 7375  
Ion Ratio Lower Upper  
75 100  
155 84.3 62.6 93.8  
157 110.2 84.9 127.3





#69

1,3,5-Trichlorobenzene

Concen: 5.292 ug/L

RT: 13.213 min Scan# 3708

Delta R.T. 0.000 min

Lab File: VU061730.D

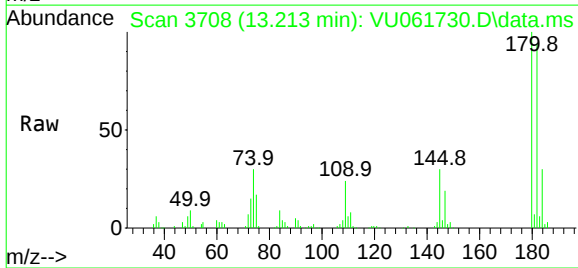
Acq: 15 Nov 2024 19:04

Instrument :

MSVOA\_U

ClientSampleId :

GCPB5MSD



Tgt Ion:180 Resp: 93818

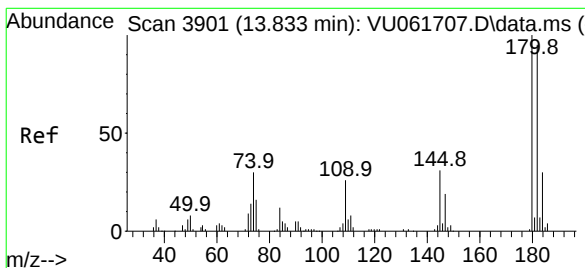
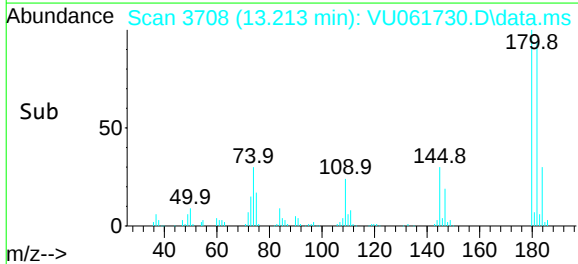
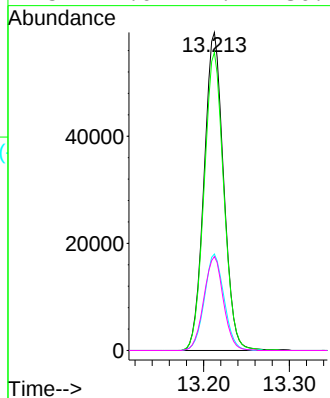
Ion Ratio Lower Upper

180 100

182 94.5 77.1 115.7

184 30.5 24.7 37.1

145 29.6 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 5.551 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU061730.D

Acq: 15 Nov 2024 19:04

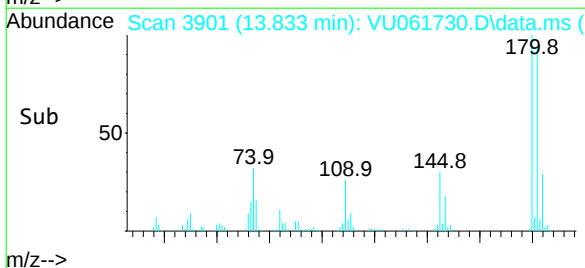
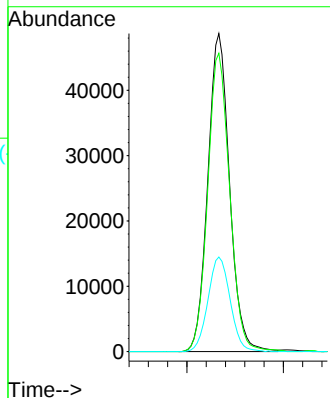
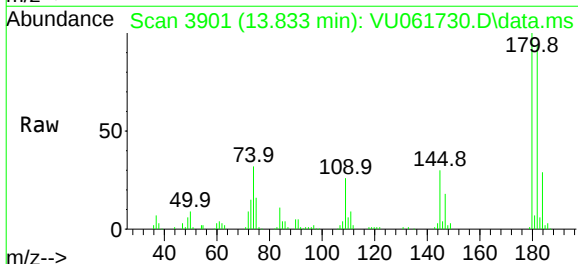
Tgt Ion:180 Resp: 76272

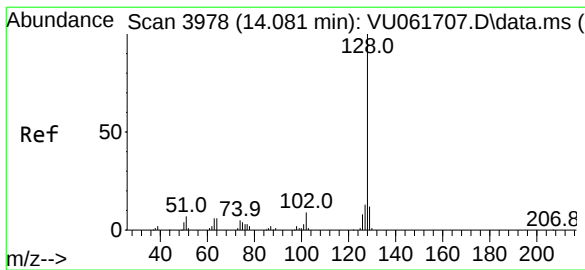
Ion Ratio Lower Upper

180 100

182 95.0 77.4 116.0

145 30.3 24.5 36.7

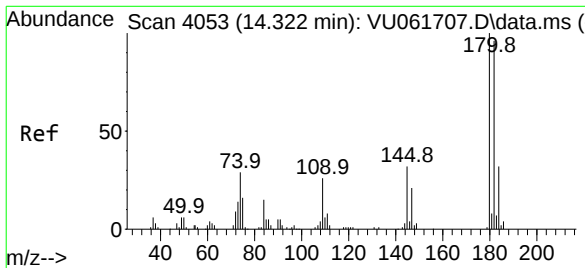
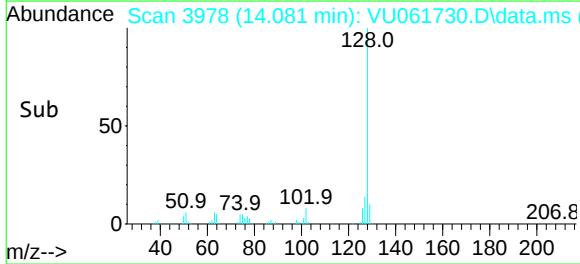
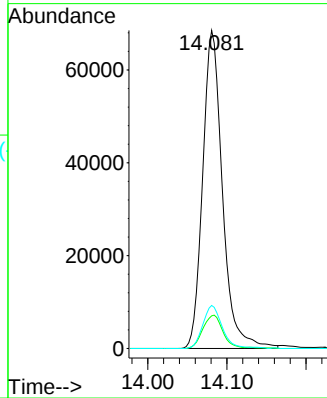
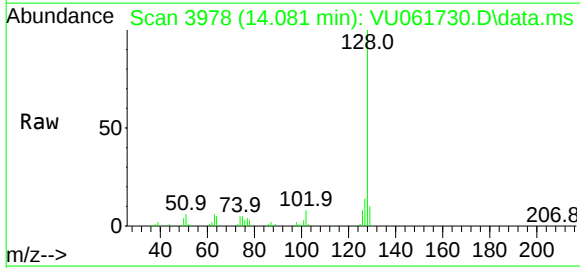




#71  
Naphthalene  
Concen: 6.036 ug/L  
RT: 14.081 min Scan# 3978  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCPB5MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 119056 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 129      | 10.6  | 8.5   | 12.7   |
| 127      | 13.3  | 10.4  | 15.6   |



#72  
1,2,3-Trichlorobenzene  
Concen: 5.707 ug/L  
RT: 14.322 min Scan# 4053  
Delta R.T. 0.000 min  
Lab File: VU061730.D  
Acq: 15 Nov 2024 19:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 65819 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 96.4  | 76.6  | 114.8 |
| 145      | 32.0  | 26.3  | 39.5  |

