

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U072324\  
 Data File : U060145.D  
 Acq On : 24 Jul 2024 04:49  
 Operator : MD/SY  
 Sample : P3300-19MSD  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E1G93MSD

Quant Time: Jul 24 06:01:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR071824WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 24 05:34:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 162848   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 166737   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 86216    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 49026    | 4.327    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 86.600%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 44915    | 4.267    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 18567    | 4.197    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 84.000%  |
| 20) 2-Butanone-d5             | 4.628  | 46    | 115903   | 43.754   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 87.500%  |
| 24) Chloroform-d              | 5.055  | 84    | 97558    | 4.097    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 46821    | 4.223    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.400%  |
| 32) Benzene-d6                | 5.721  | 84    | 199063   | 4.456    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 60600    | 4.257    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 85.200%  |
| 41) Toluene-d8                | 7.891  | 98    | 187105   | 4.636    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.800%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 19474    | 4.019    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 80.400%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 95971    | 44.632   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 89.260%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 54707    | 4.318    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 86.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 69699    | 4.479    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 89.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 45966    | 3.733    | ug/L   | 100      |
| 3) Chloromethane              | 1.518  | 50    | 58501    | 3.933    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.602  | 62    | 64840    | 3.889    | ug/L   | 100      |
| 6) Bromomethane               | 1.853  | 94    | 44138    | 4.066    | ug/L   | 94       |
| 8) Chloroethane               | 1.930  | 64    | 43207    | 3.967    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 84579    | 4.022    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 53441    | 3.895    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 49930    | 4.017    | ug/L   | 91       |
| 13) Acetone                   | 2.641  | 43    | 105914   | 60.443   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.788  | 76    | 136649   | 3.776    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.853  | 43    | 1251263  | 290.330  | ug/L # | 46       |
| 16) Methylene chloride        | 3.036  | 84    | 62288    | 4.087    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.358  | 73    | 132950   | 4.690    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 52736    | 4.079    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 100377   | 4.088    | ug/L   | 97       |
| 21) 2-Butanone                | 4.708  | 43    | 125253   | 45.154   | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 64340    | 4.443    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.968  | 128   | 30671    | 4.358    | ug/L   | 94       |
| 25) Chloroform                | 5.081  | 83    | 114181   | 4.229    | ug/L   | 97       |

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 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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Quant Time: Jul 24 06:01:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR071824WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 24 05:34:19 2024  
 Response via : Initial Calibration

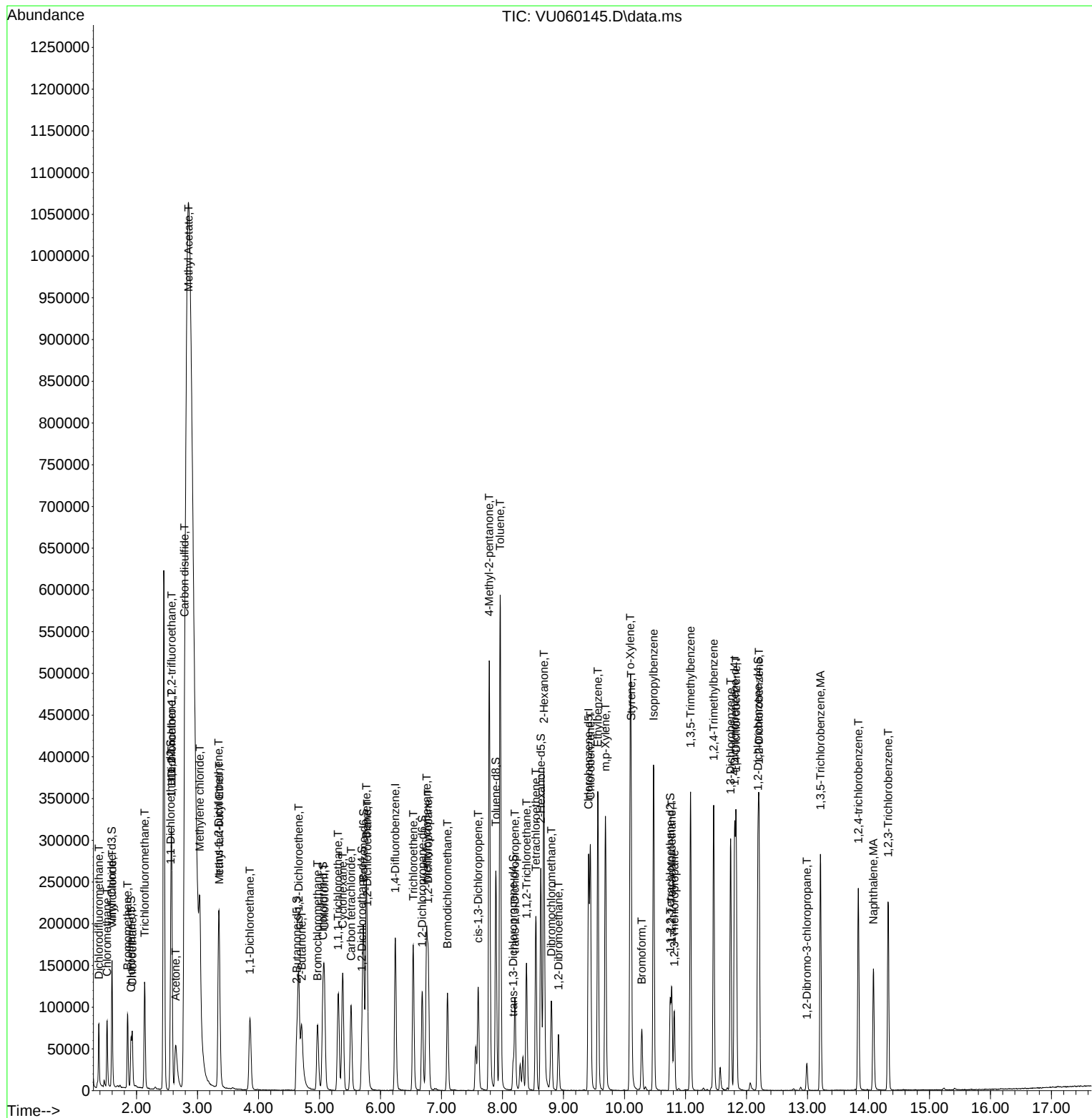
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 63658    | 4.125  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 87043    | 4.179  | ug/L  | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 68347    | 4.149  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 72798    | 4.052  | ug/L  | 98       |
| 33) Benzene                   | 5.766  | 78   | 238480   | 4.330  | ug/L  | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 61470    | 4.208  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.756  | 83   | 74941    | 3.913  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 62196    | 4.180  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 79396    | 4.259  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 79566    | 4.092  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 311067   | 47.240 | ug/L  | 96       |
| 42) Toluene                   | 7.962  | 91   | 460682   | 7.859  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 66617    | 4.101  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 50919    | 4.478  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.547  | 164  | 50072    | 4.145  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.679  | 43   | 227910   | 47.272 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.801  | 129  | 55473    | 4.410  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 46036    | 4.478  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.441  | 112  | 165793   | 4.329  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 257557   | 4.406  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 103274   | 4.573  | ug/L  | 93       |
| 54) o-Xylene                  | 10.094 | 106  | 99583    | 4.611  | ug/L  | 98       |
| 55) Styrene                   | 10.110 | 104  | 159014   | 4.326  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 62493    | 4.493  | ug/L  | 99       |
| 59) Bromoform                 | 10.283 | 173  | 36200    | 4.620  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.476 | 105  | 257937   | 4.574  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 41907    | 4.610  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 193663   | 4.495  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 190802   | 4.583  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 136898   | 4.512  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 136537   | 4.420  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 131355   | 4.523  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 8550     | 4.826  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 97070    | 4.239  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 81183    | 4.658  | ug/L  | 99       |
| 71) Naphthalene               | 14.081 | 128  | 127726   | 5.172  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 78076    | 4.981  | ug/L  | 99       |

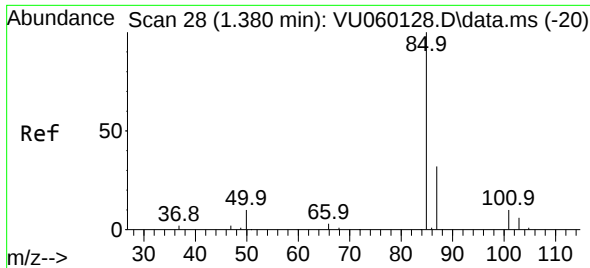
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 24 05:34:19 2024  
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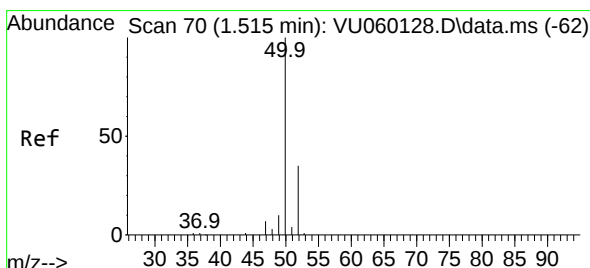
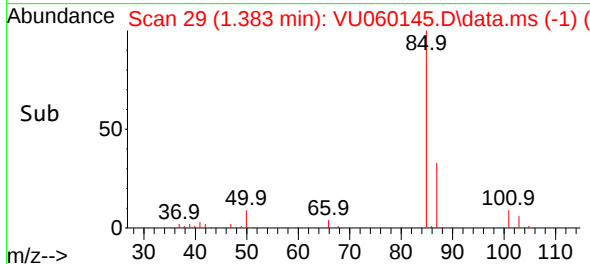
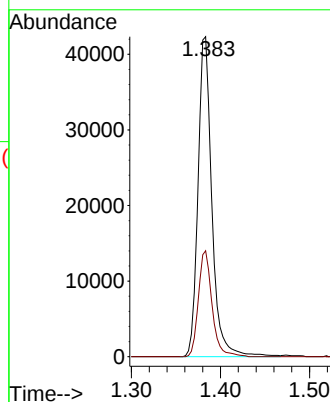
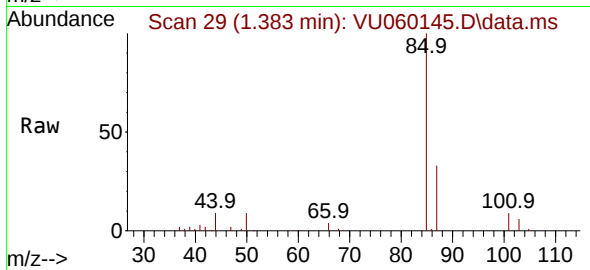




#2  
Dichlorodifluoromethane  
Concen: 3.733 ug/L  
RT: 1.383 min Scan# 29  
Delta R.T. 0.003 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

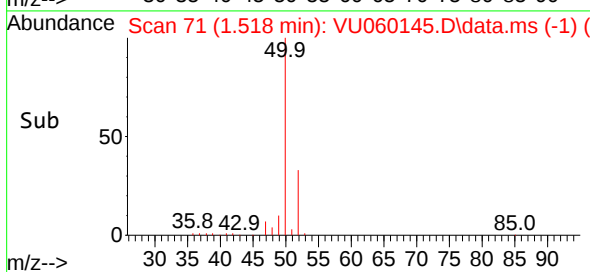
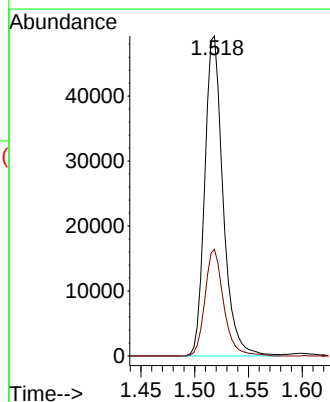
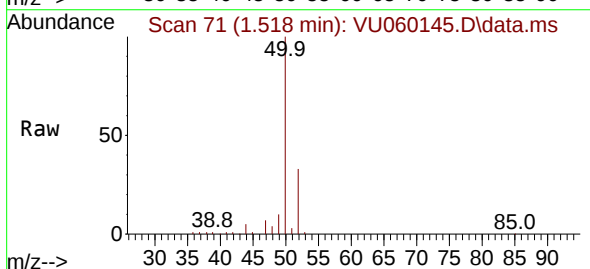
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

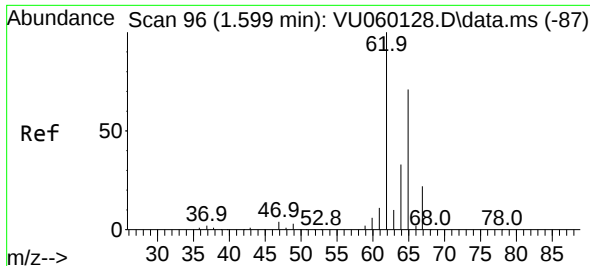
Tgt Ion: 85 Resp: 45966  
Ion Ratio Lower Upper  
85 100  
87 32.6 26.1 39.1



#3  
Chloromethane  
Concen: 3.933 ug/L  
RT: 1.518 min Scan# 71  
Delta R.T. 0.003 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

Tgt Ion: 50 Resp: 58501  
Ion Ratio Lower Upper  
50 100  
52 33.4 23.4 43.4

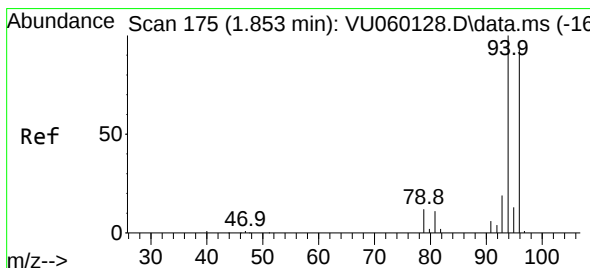
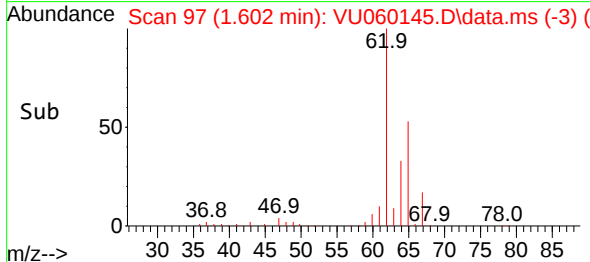
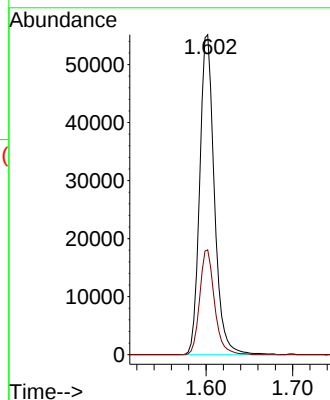
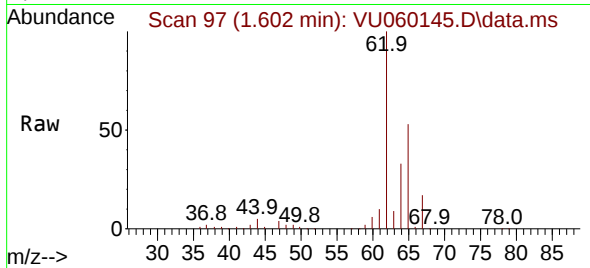




#5  
 Vinyl chloride  
 Concen: 3.889 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. 0.003 min  
 Lab File: VU060145.D  
 Acq: 24 Jul 2024 04:49

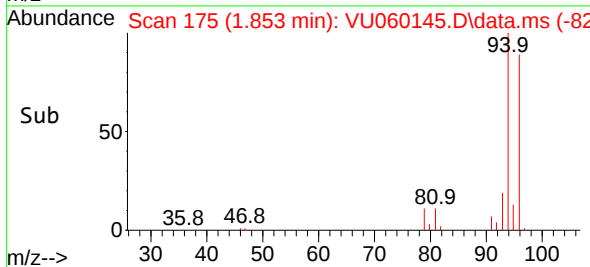
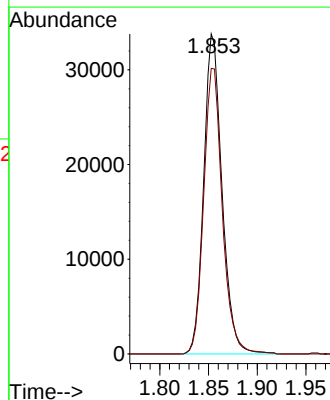
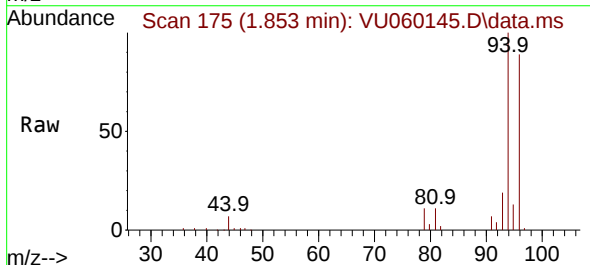
Instrument :  
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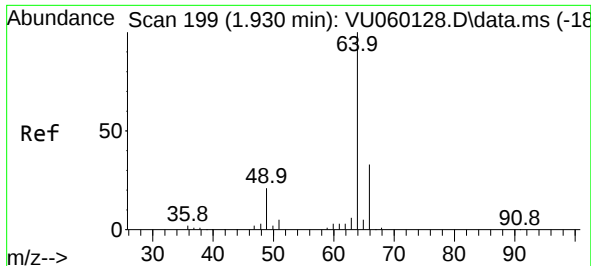
Tgt Ion: 62 Resp: 64840  
 Ion Ratio Lower Upper  
 62 100  
 64 32.8 22.8 42.4



#6  
 Bromomethane  
 Concen: 4.066 ug/L  
 RT: 1.853 min Scan# 175  
 Delta R.T. -0.000 min  
 Lab File: VU060145.D  
 Acq: 24 Jul 2024 04:49

Tgt Ion: 94 Resp: 44138  
 Ion Ratio Lower Upper  
 94 100  
 96 89.3 66.6 123.6

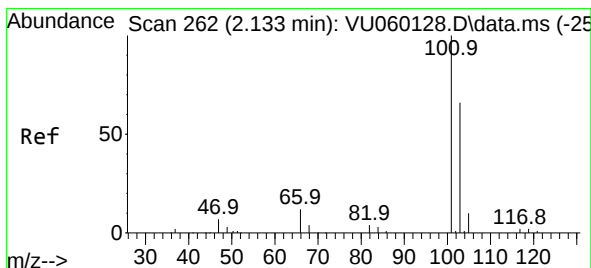
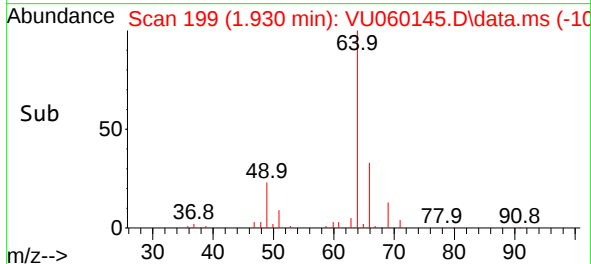
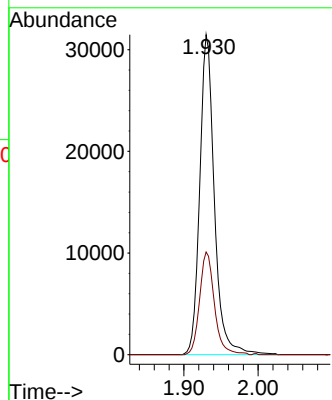
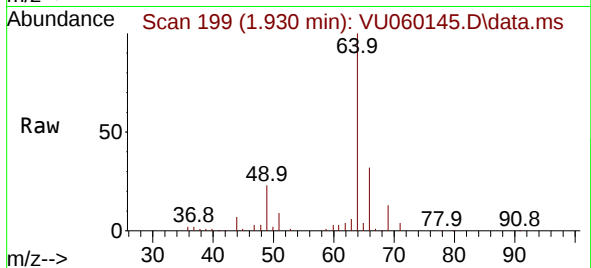




#8  
Chloroethane  
Concen: 3.967 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

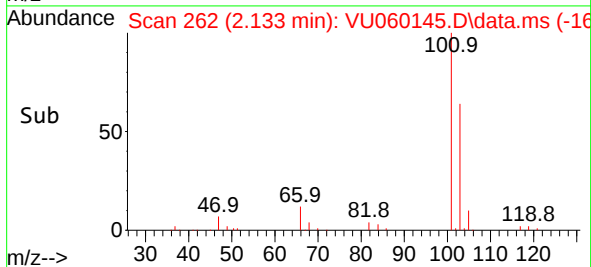
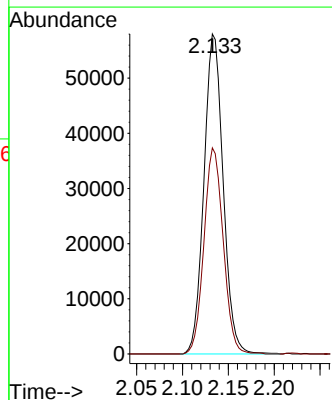
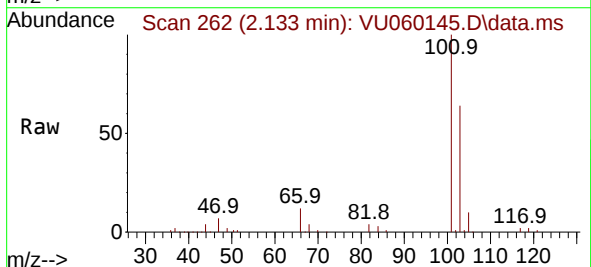
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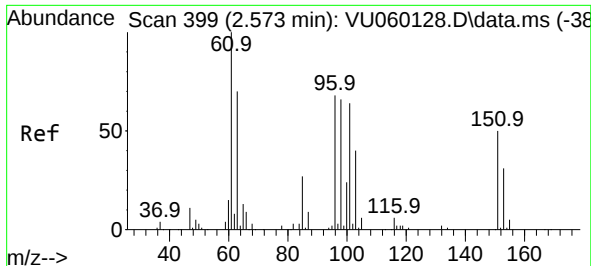
Tgt Ion: 64 Resp: 43207  
Ion Ratio Lower Upper  
64 100  
66 32.1 22.8 42.4



#9  
Trichlorofluoromethane  
Concen: 4.022 ug/L  
RT: 2.133 min Scan# 262  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

Tgt Ion:101 Resp: 84579  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.4 77.2

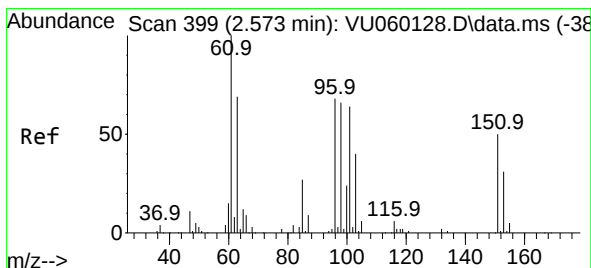
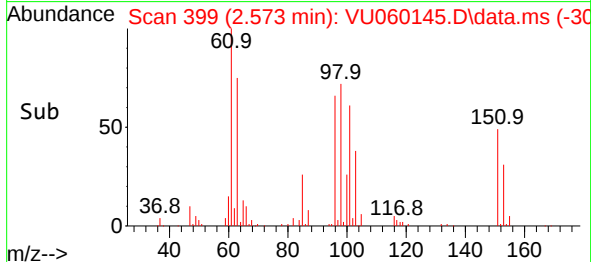
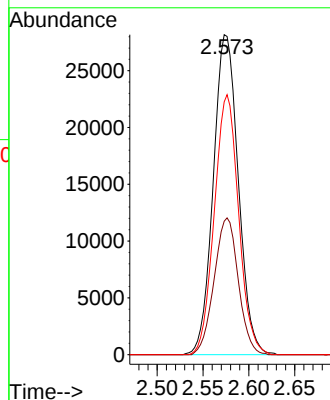
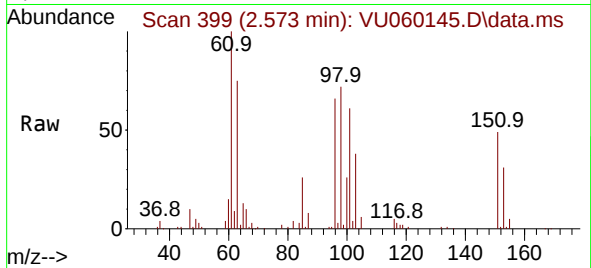




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 3.895 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

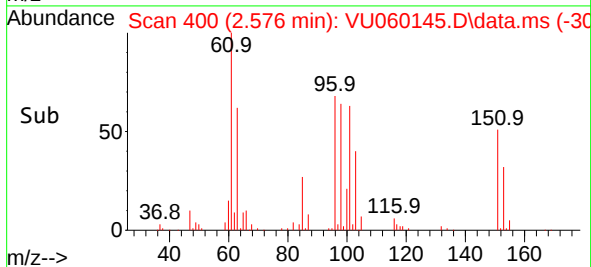
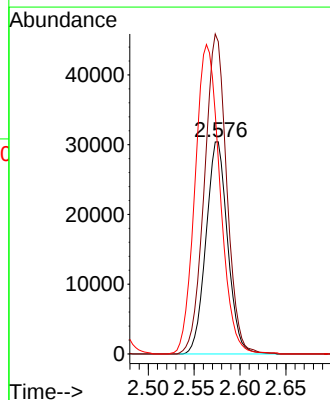
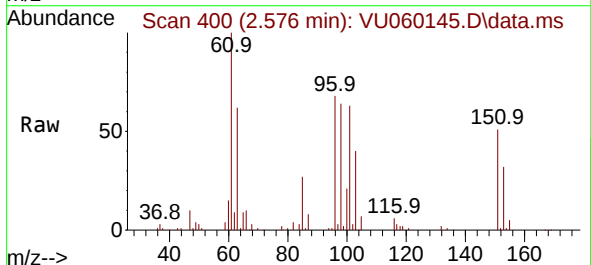
Instrument :  
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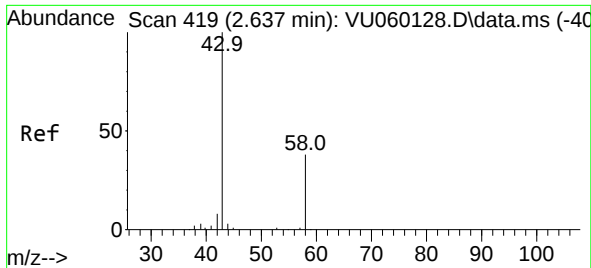
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|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 53441 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 41.3  | 33.2  | 49.8  |
| 151       | 79.0  | 61.8  | 92.8  |



#12  
1,1-Dichloroethene  
Concen: 4.017 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. 0.003 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 49930 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 147.1 | 107.0 | 198.6 |
| 63        | 91.8  | 76.4  | 142.0 |





#13

Acetone

Concen: 60.443 ug/L

RT: 2.641 min Scan# 419

Delta R.T. 0.003 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA\_U

ClientSampleId :

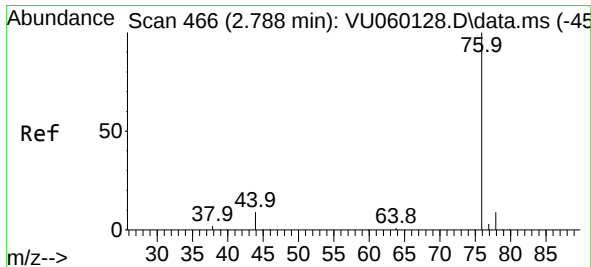
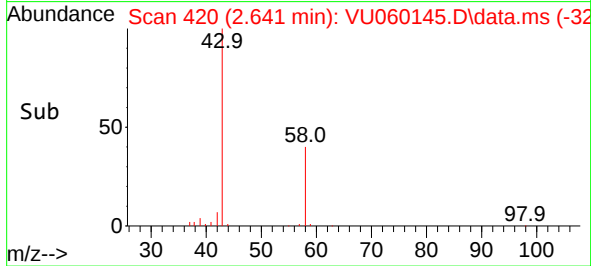
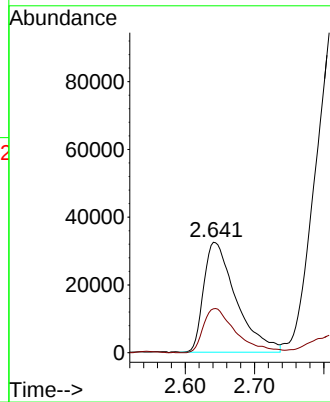
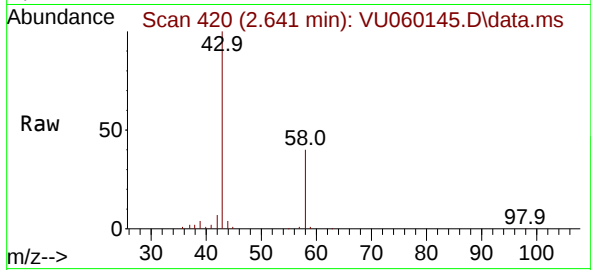
E1G93MSD

Tgt Ion: 43 Resp: 105914

Ion Ratio Lower Upper

43 100

58 40.3 0.0 82.2



#14

Carbon disulfide

Concen: 3.776 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU060145.D

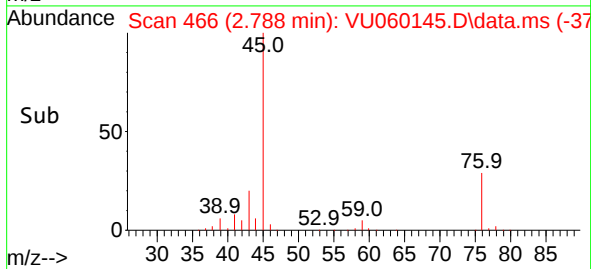
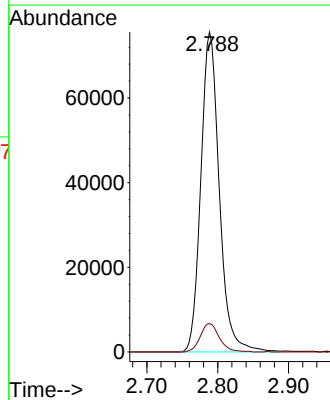
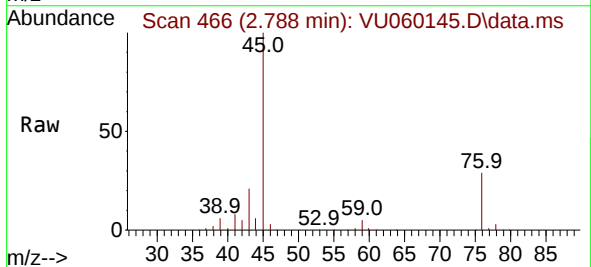
Acq: 24 Jul 2024 04:49

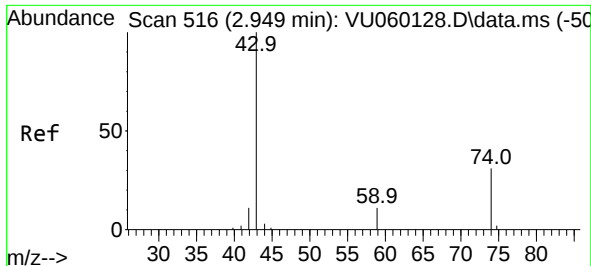
Tgt Ion: 76 Resp: 136649

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0





#15

Methyl Acetate

Concen: 290.330 ug/L

RT: 2.853 min Scan# 41

Delta R.T. -0.097 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA\_U

ClientSampleId :

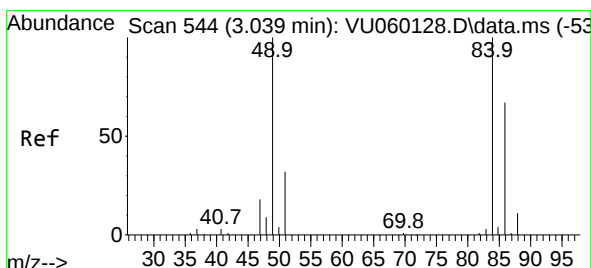
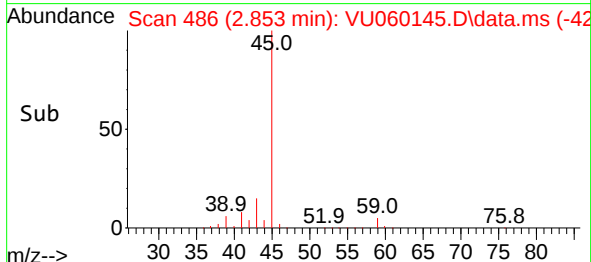
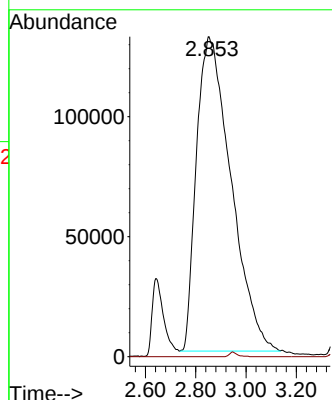
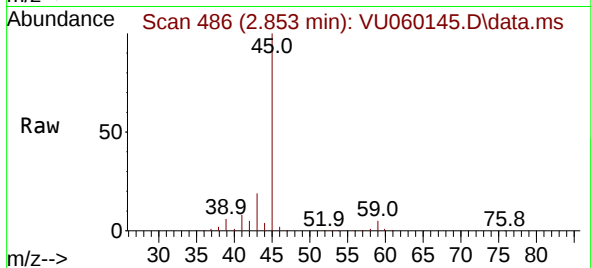
E1G93MSD

Tgt Ion: 43 Resp: 1251263

Ion Ratio Lower Upper

43 100

74 0.3 23.5 35.3#



#16

Methylene chloride

Concen: 4.087 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

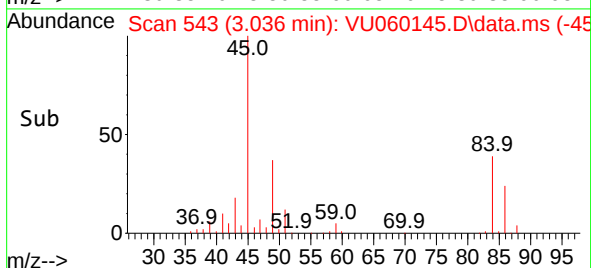
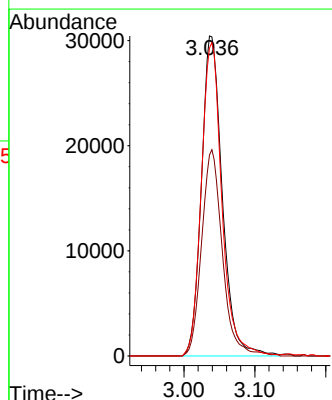
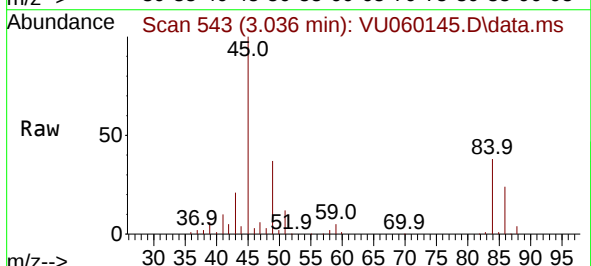
Tgt Ion: 84 Resp: 62288

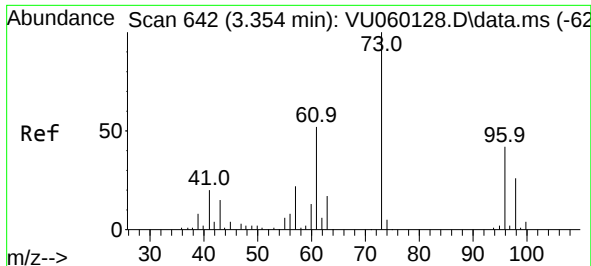
Ion Ratio Lower Upper

84 100

86 62.8 44.4 82.5

49 96.3 72.0 133.6

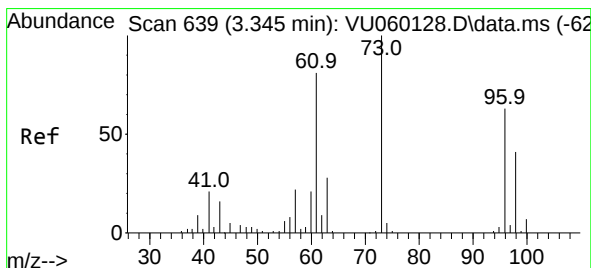
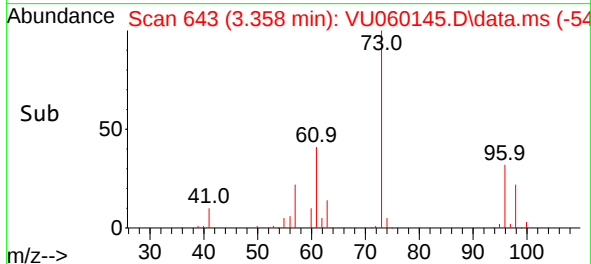
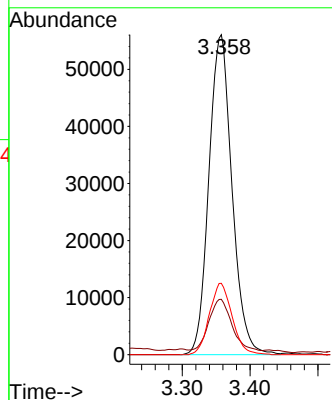
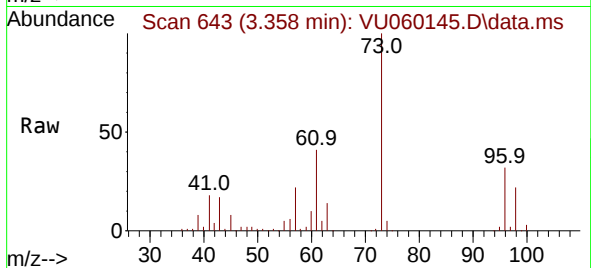




#17  
Methyl tert-butyl Ether  
Concen: 4.690 ug/L  
RT: 3.358 min Scan# 642  
Delta R.T. 0.003 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

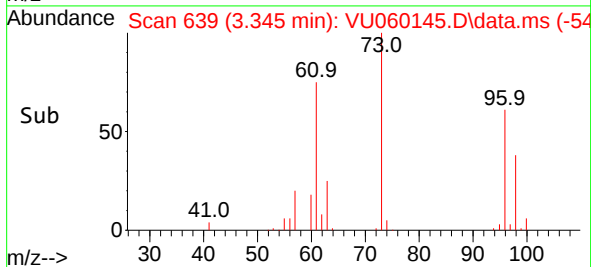
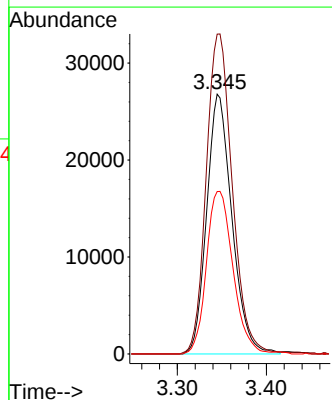
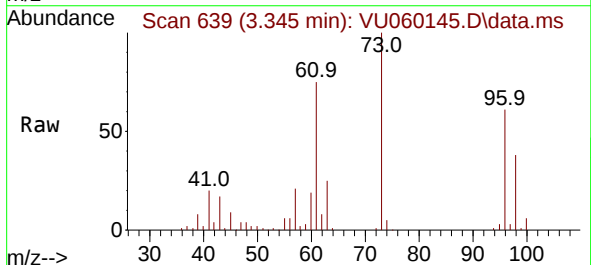
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

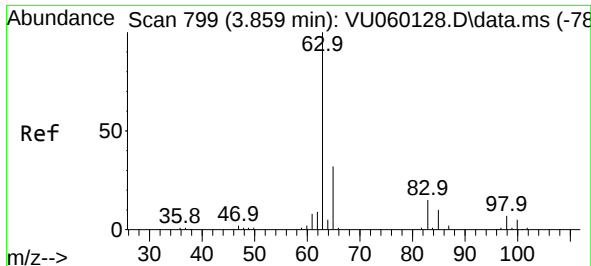
Tgt Ion: 73 Resp: 132950  
Ion Ratio Lower Upper  
73 100  
43 16.1 13.1 19.7  
57 21.9 17.0 25.4



#18  
trans-1,2-Dichloroethene  
Concen: 4.079 ug/L  
RT: 3.345 min Scan# 639  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

Tgt Ion: 96 Resp: 52736  
Ion Ratio Lower Upper  
96 100  
61 123.1 91.6 170.0  
98 62.5 47.7 88.5

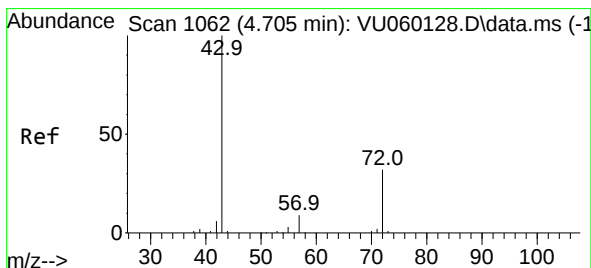
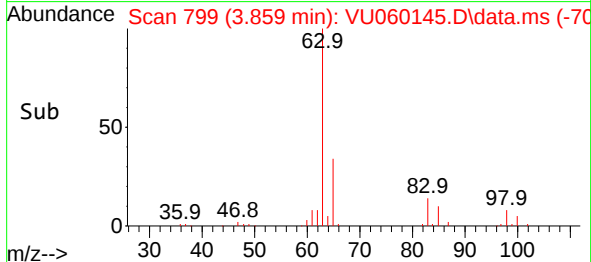
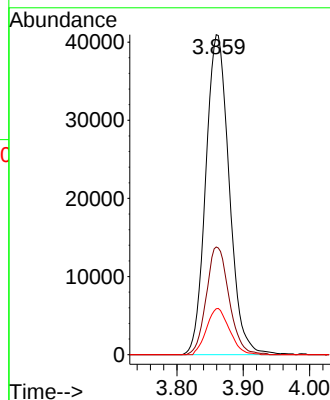
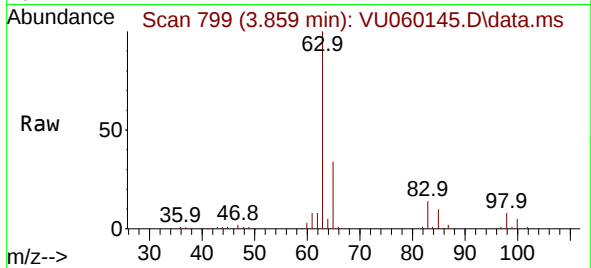




#19  
1,1-Dichloroethane  
Concen: 4.088 ug/L  
RT: 3.859 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

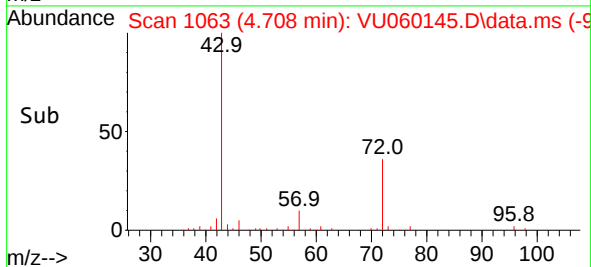
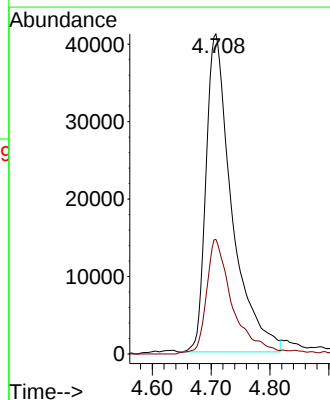
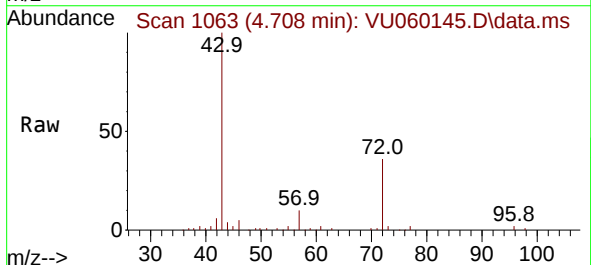
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

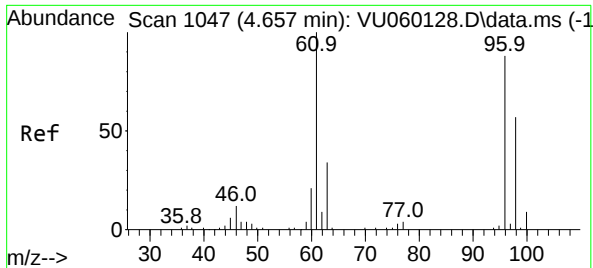
Tgt Ion: 63 Resp: 100377  
Ion Ratio Lower Upper  
63 100  
65 33.7 22.0 40.8  
83 14.3 9.7 17.9



#21  
2-Butanone  
Concen: 45.154 ug/L  
RT: 4.708 min Scan# 1063  
Delta R.T. 0.003 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

Tgt Ion: 43 Resp: 125253  
Ion Ratio Lower Upper  
43 100  
72 36.0 16.3 48.9

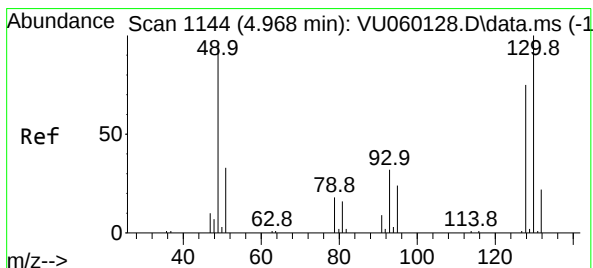
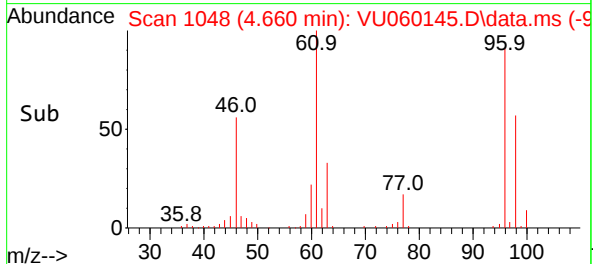
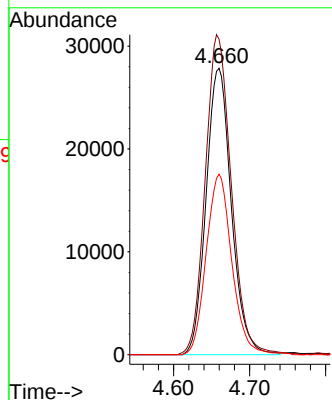
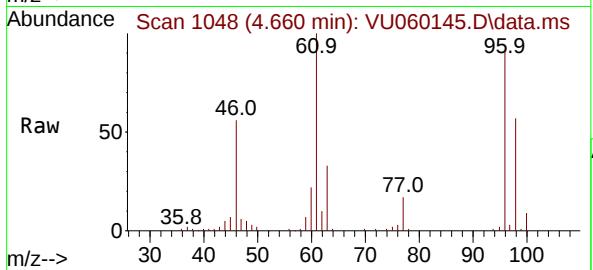




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.443 ug/L  
 RT: 4.660 min Scan# 1048  
 Delta R.T. 0.003 min  
 Lab File: VU060145.D  
 Acq: 24 Jul 2024 04:49

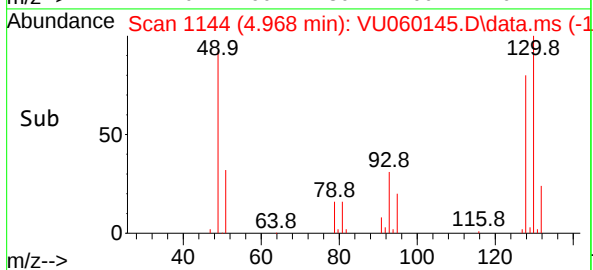
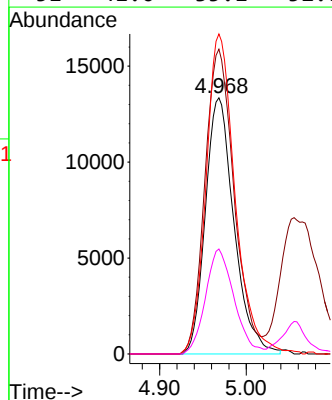
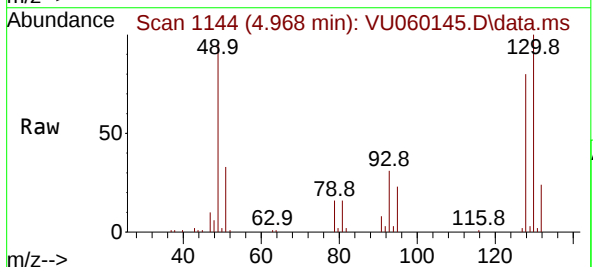
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E1G93MSD

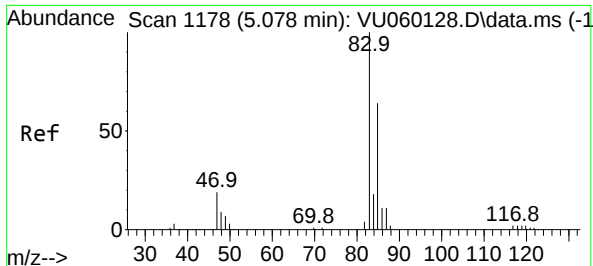
Tgt Ion: 96 Resp: 64340  
 Ion Ratio Lower Upper  
 96 100  
 61 110.1 80.2 148.9  
 98 63.0 44.7 83.1



#23  
 Bromochloromethane  
 Concen: 4.358 ug/L  
 RT: 4.968 min Scan# 1144  
 Delta R.T. -0.000 min  
 Lab File: VU060145.D  
 Acq: 24 Jul 2024 04:49

Tgt Ion: 128 Resp: 30671  
 Ion Ratio Lower Upper  
 128 100  
 49 119.0 92.3 171.3  
 130 124.9 87.1 161.7  
 51 41.0 35.1 52.7





#25

Chloroform

Concen: 4.229 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA\_U

ClientSampleId :

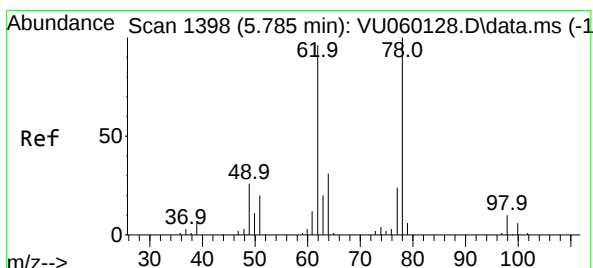
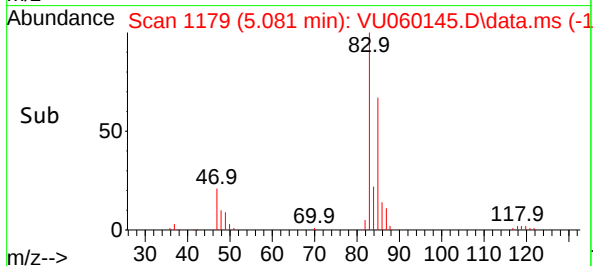
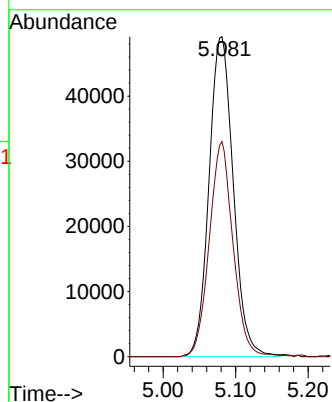
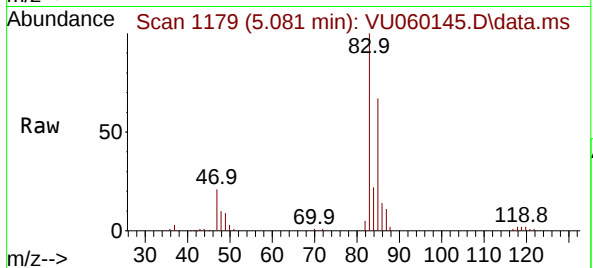
E1G93MSD

Tgt Ion: 83 Resp: 114181

Ion Ratio Lower Upper

83 100

85 67.2 45.4 84.2



#27

1,2-Dichloroethane

Concen: 4.125 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU060145.D

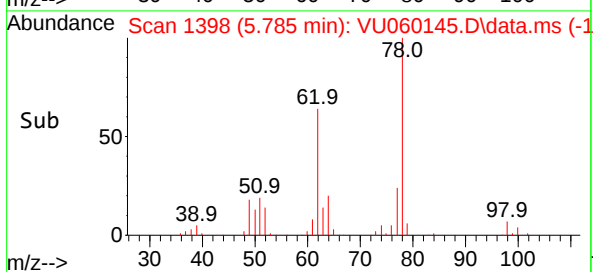
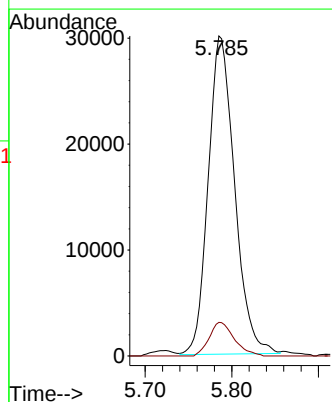
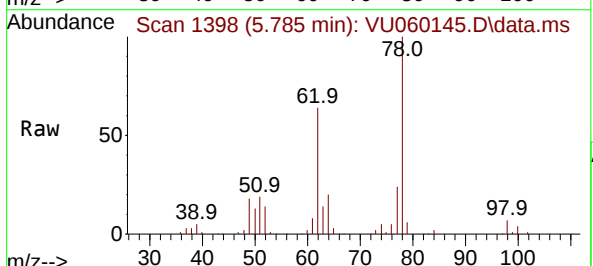
Acq: 24 Jul 2024 04:49

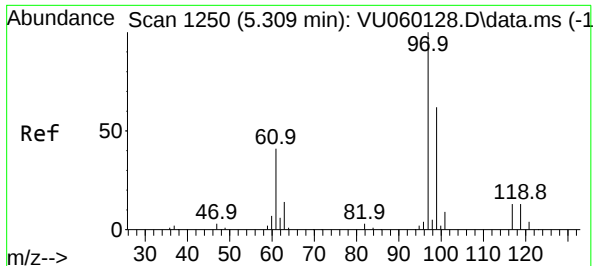
Tgt Ion: 62 Resp: 63658

Ion Ratio Lower Upper

62 100

98 10.5 7.9 11.9

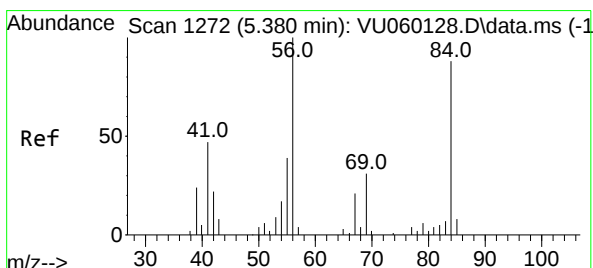
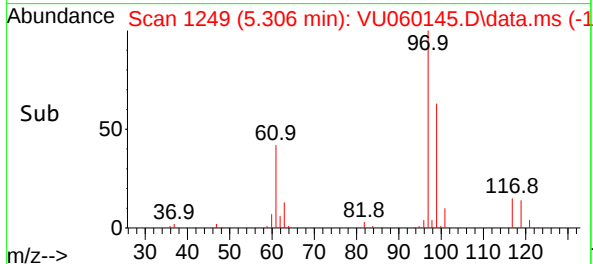
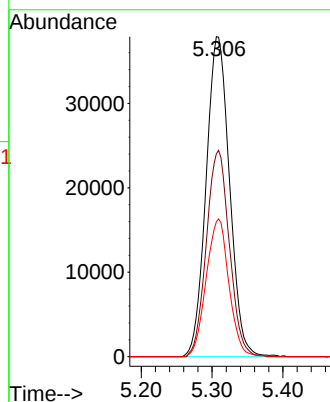
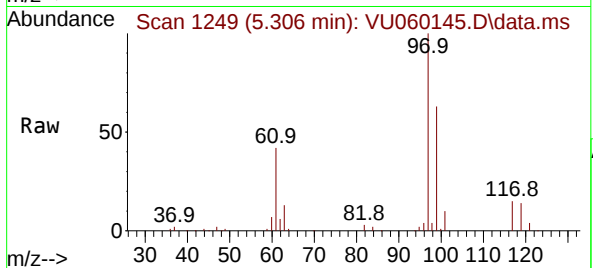




#29  
1,1,1-Trichloroethane  
Concen: 4.179 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. -0.003 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

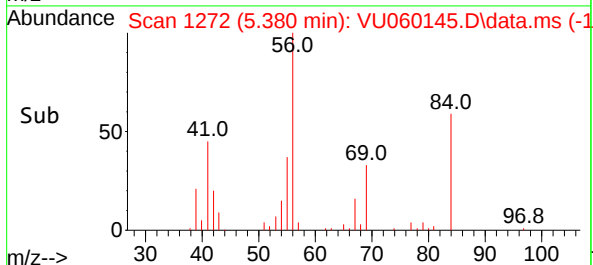
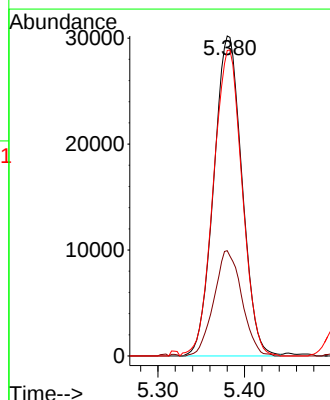
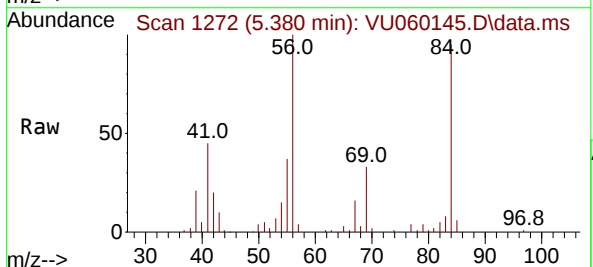
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

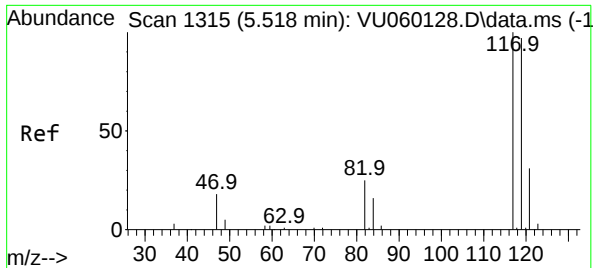
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 87043 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 63.3     | 51.0 76.4   |
| 61 41.8     | 34.1 51.1   |



#30  
Cyclohexane  
Concen: 4.149 ug/L  
RT: 5.380 min Scan# 1272  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 68347 |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 32.5     | 26.6 39.8   |
| 84 97.4     | 77.2 115.8  |

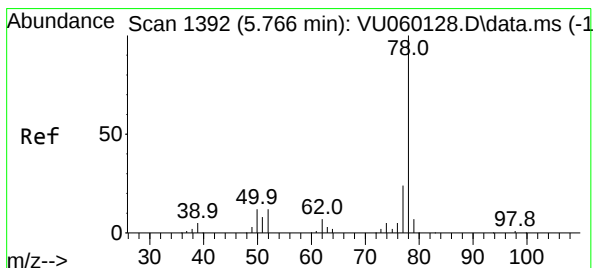
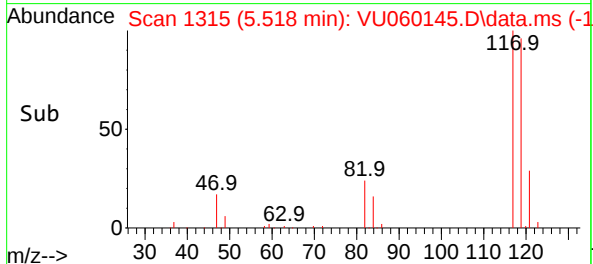
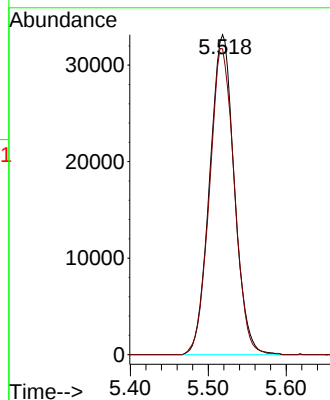
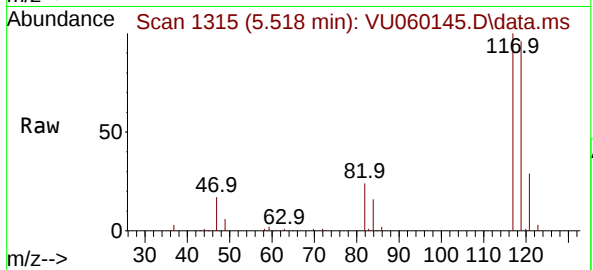




#31  
Carbon tetrachloride  
Concen: 4.052 ug/L  
RT: 5.518 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

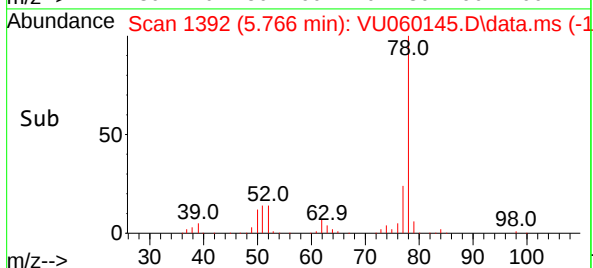
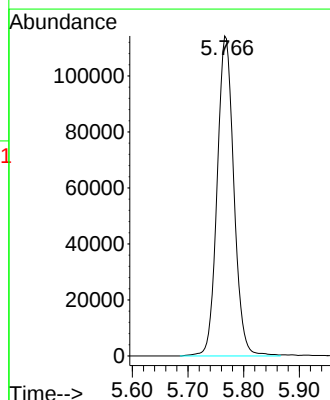
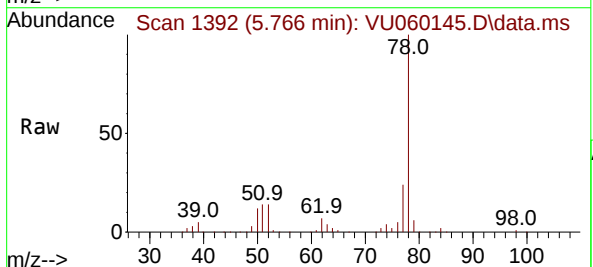
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

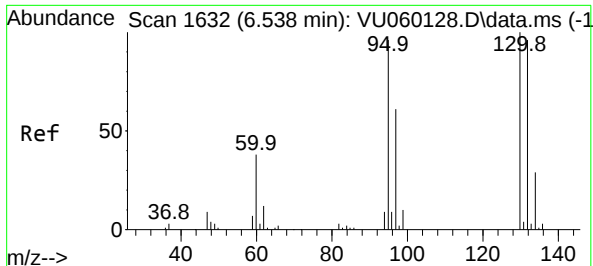
Tgt Ion:117 Resp: 72798  
Ion Ratio Lower Upper  
117 100  
119 96.6 75.6 113.4



#33  
Benzene  
Concen: 4.330 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

Tgt Ion: 78 Resp: 238480





#34

Trichloroethene

Concen: 4.208 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA\_U

ClientSampleId :

E1G93MSD

Tgt Ion: 95 Resp: 61470

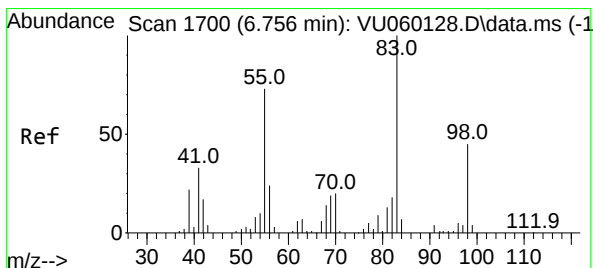
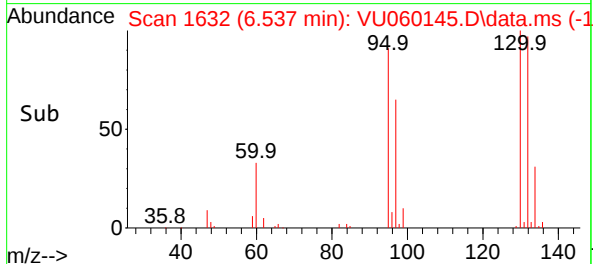
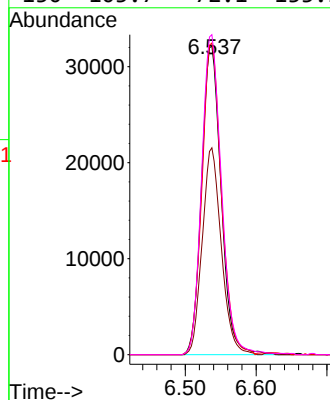
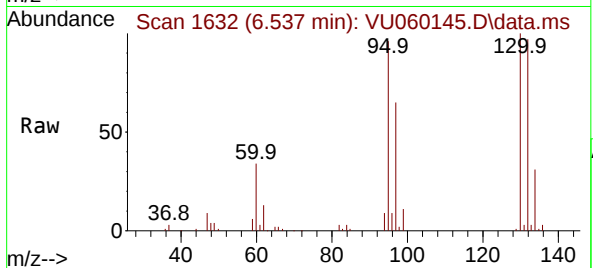
Ion Ratio Lower Upper

95 100

97 67.1 45.9 85.3

132 101.0 71.4 132.6

130 103.7 72.1 133.9



#35

Methylcyclohexane

Concen: 3.913 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

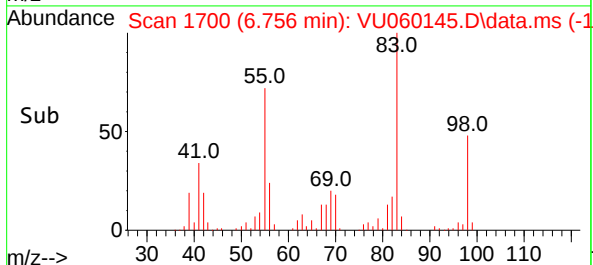
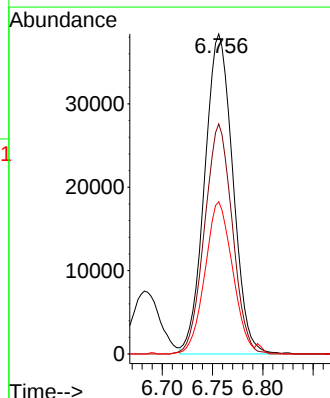
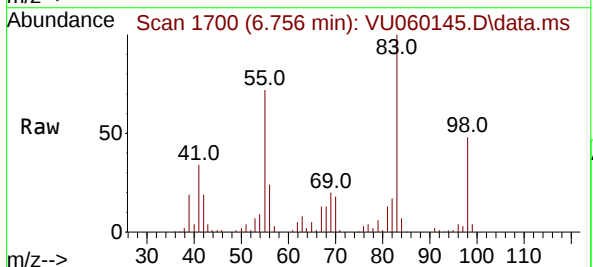
Tgt Ion: 83 Resp: 74941

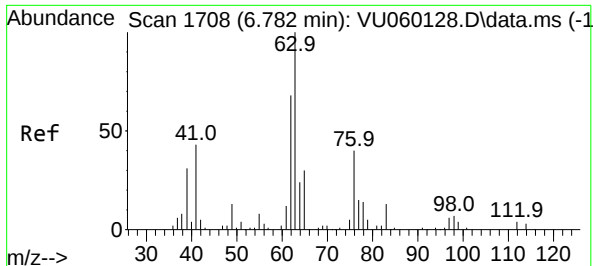
Ion Ratio Lower Upper

83 100

55 70.8 56.7 85.1

98 46.5 36.6 55.0

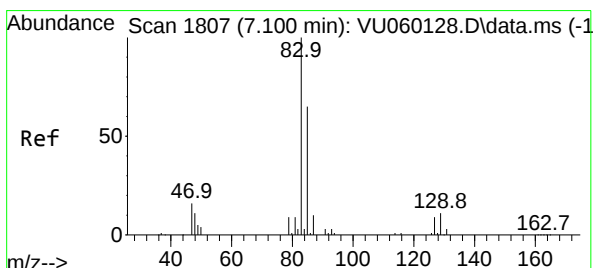
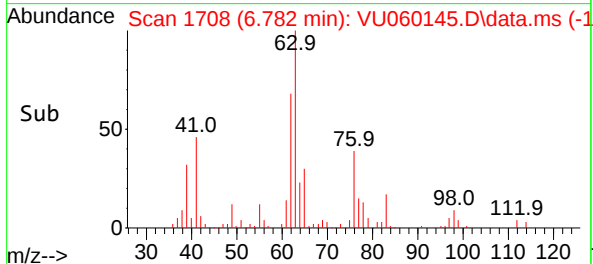
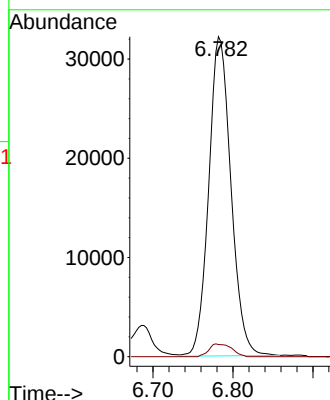
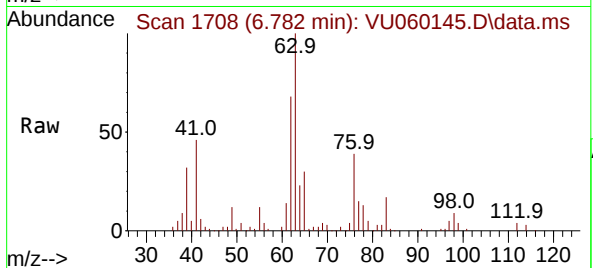




#37  
1,2-Dichloropropane  
Concen: 4.180 ug/L  
RT: 6.782 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

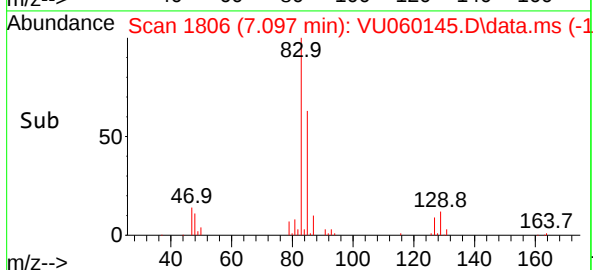
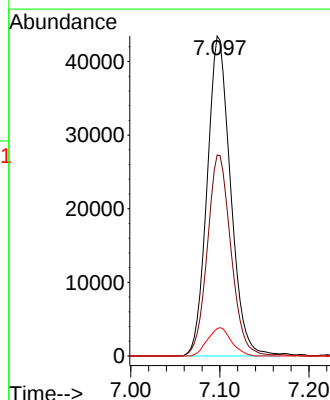
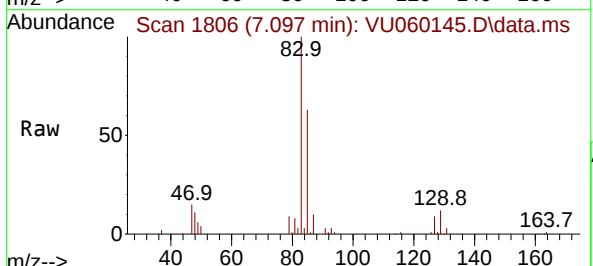
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

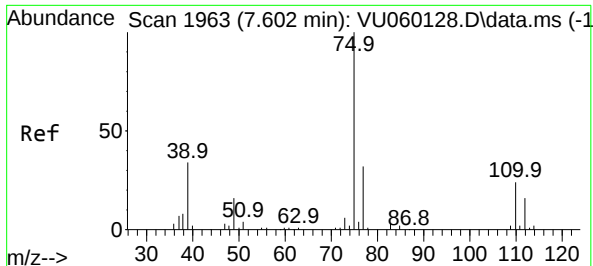
Tgt Ion: 63 Resp: 62196  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.3 4.9



#38  
Bromodichloromethane  
Concen: 4.259 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. -0.003 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

Tgt Ion: 83 Resp: 79396  
Ion Ratio Lower Upper  
83 100  
85 62.8 43.5 80.7  
127 8.6 7.1 10.7

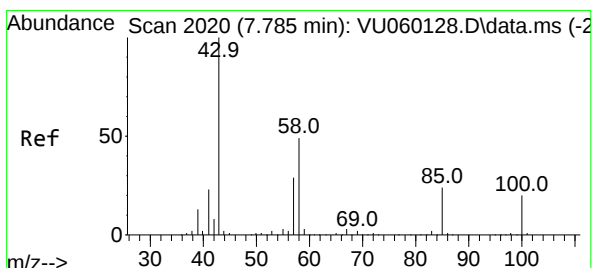
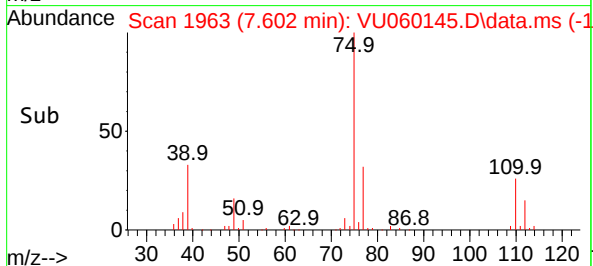
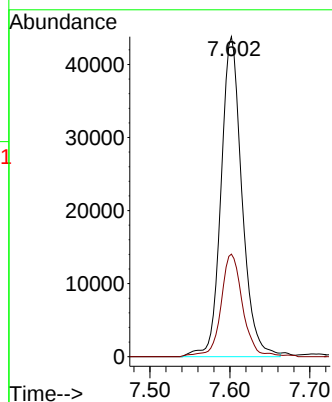
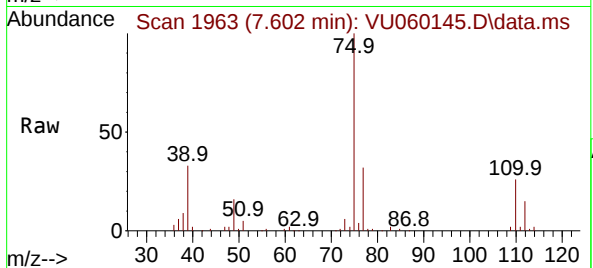




#39  
cis-1,3-Dichloropropene  
Concen: 4.092 ug/L  
RT: 7.602 min Scan# 1963  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

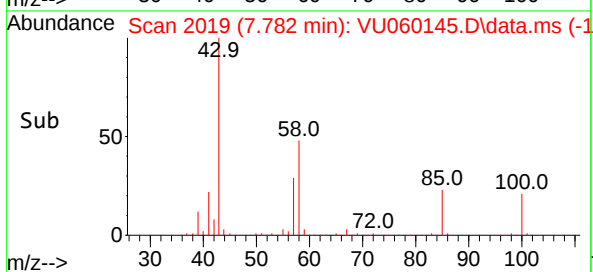
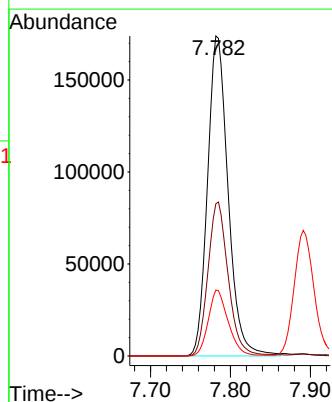
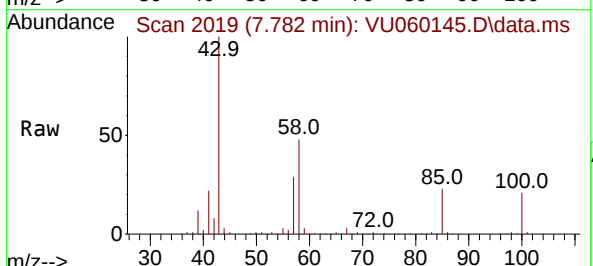
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

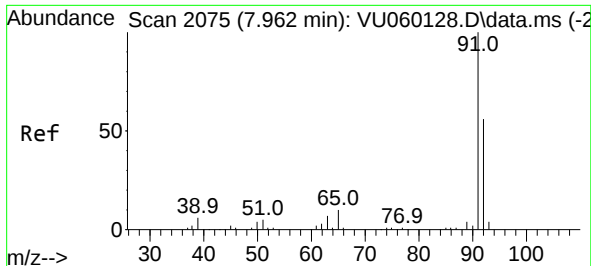
Tgt Ion: 75 Resp: 79566  
Ion Ratio Lower Upper  
75 100  
77 32.1 23.2 43.2



#40  
4-Methyl-2-pentanone  
Concen: 47.240 ug/L  
RT: 7.782 min Scan# 2019  
Delta R.T. -0.003 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

Tgt Ion: 43 Resp: 311067  
Ion Ratio Lower Upper  
43 100  
58 47.6 36.0 54.0  
100 20.0 14.9 22.3





#42

Toluene

Concen: 7.859 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA\_U

ClientSampleId :

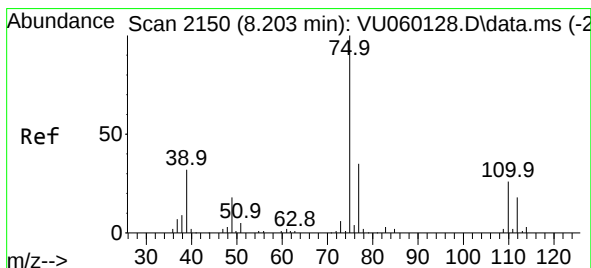
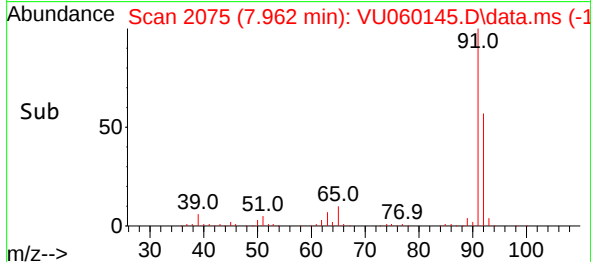
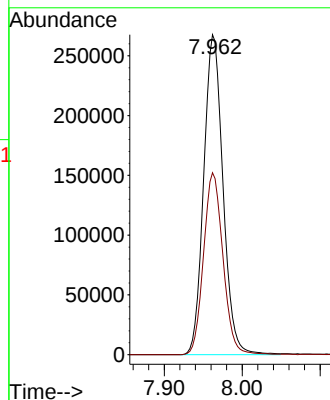
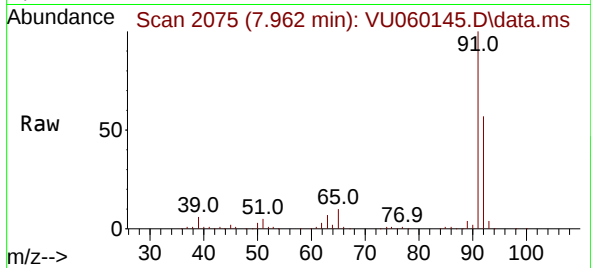
E1G93MSD

Tgt Ion: 91 Resp: 460682

Ion Ratio Lower Upper

91 100

92 56.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 4.101 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU060145.D

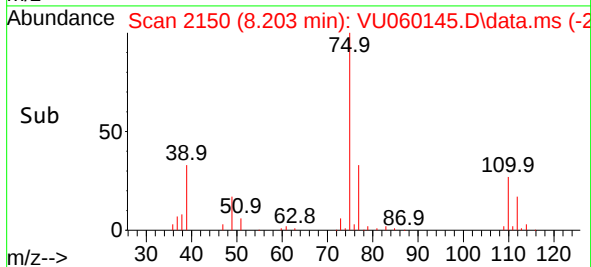
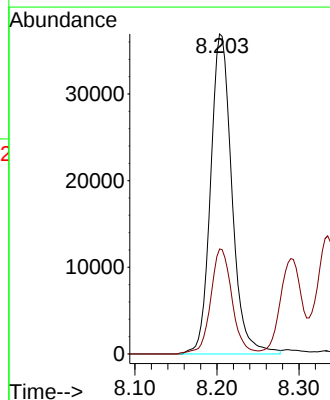
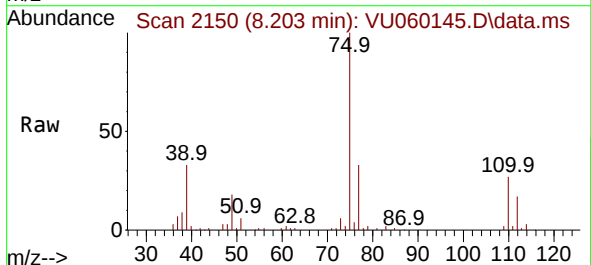
Acq: 24 Jul 2024 04:49

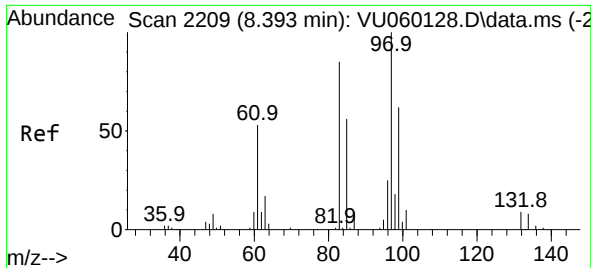
Tgt Ion: 75 Resp: 66617

Ion Ratio Lower Upper

75 100

77 32.8 22.6 42.0

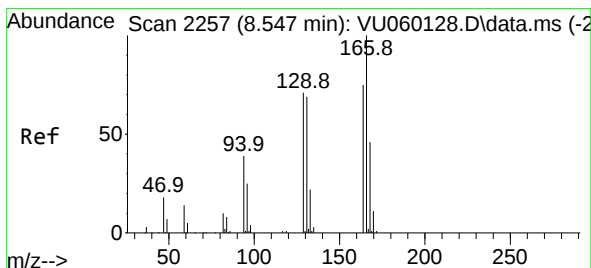
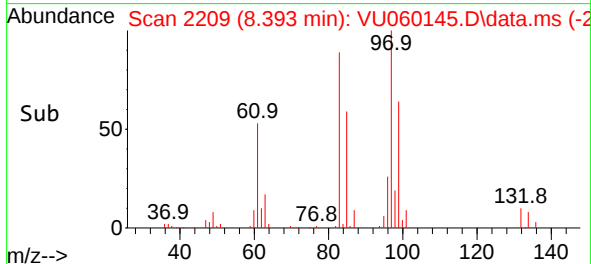
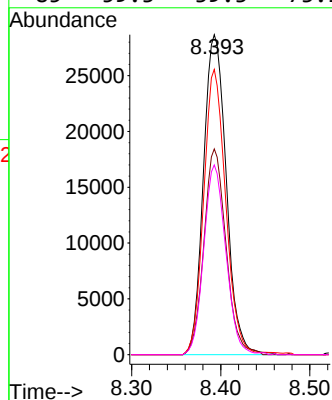
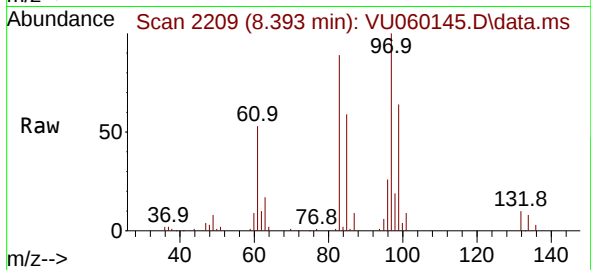




#45  
1,1,2-Trichloroethane  
Concen: 4.478 ug/L  
RT: 8.393 min Scan# 2209  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

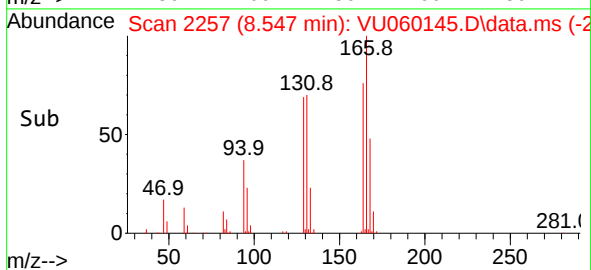
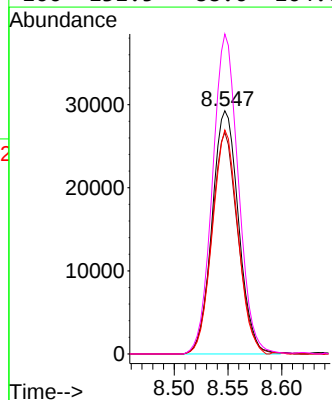
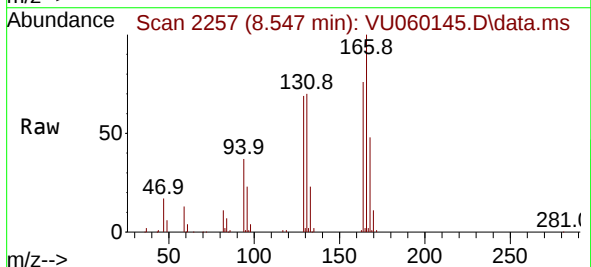
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

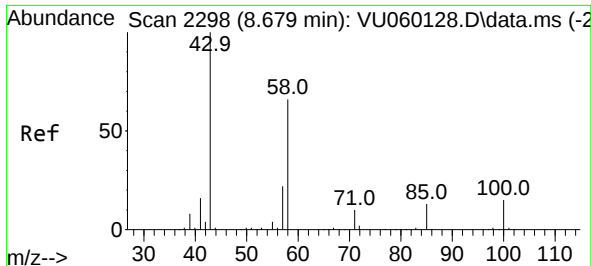
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 50919 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.3  | 43.8  | 81.4  |
| 83       | 89.1  | 62.1  | 115.3 |
| 85       | 59.3  | 39.3  | 73.1  |



#47  
Tetrachloroethene  
Concen: 4.145 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 50072 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 91.1  | 64.6  | 120.0 |
| 131      | 92.1  | 61.2  | 113.8 |
| 166      | 131.5 | 88.6  | 164.6 |

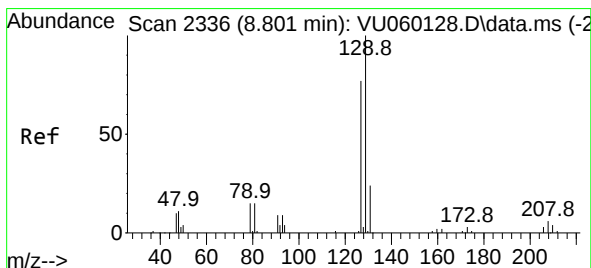
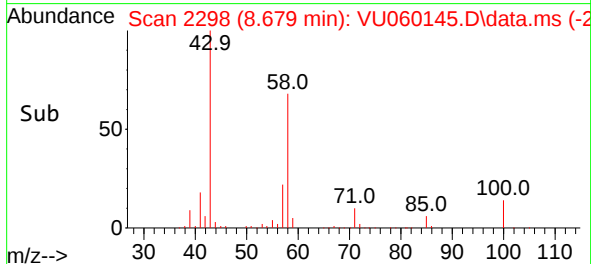
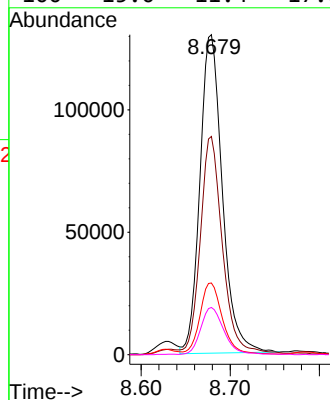
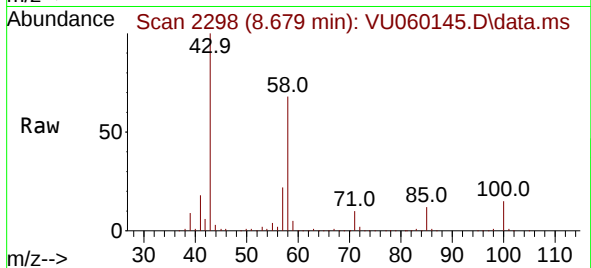




#48  
2-Hexanone  
Concen: 47.272 ug/L  
RT: 8.679 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

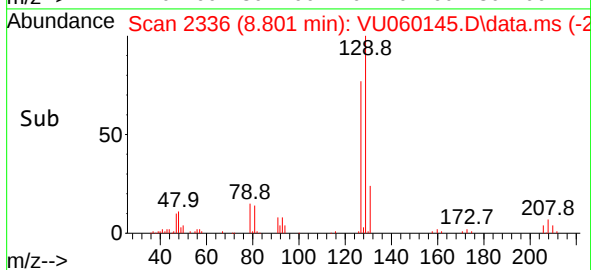
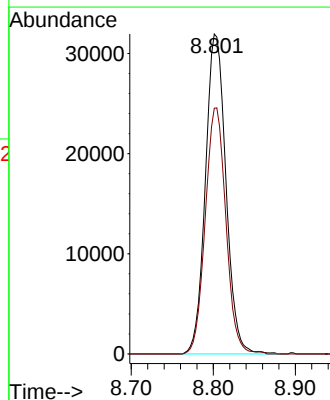
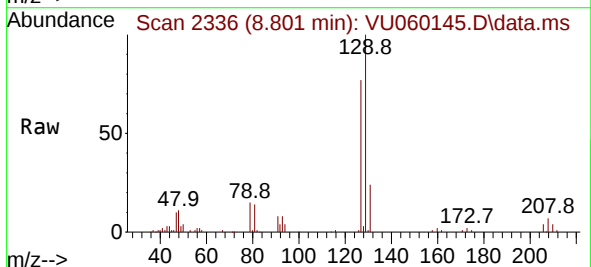
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

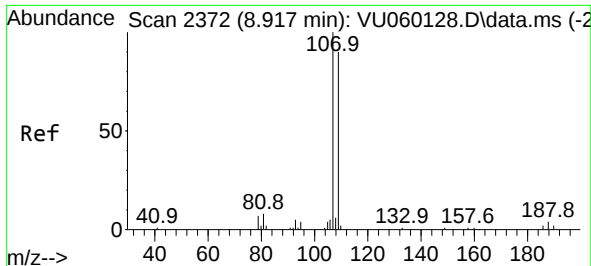
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 227910 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 67.2  | 52.6  | 78.8   |
| 57       | 22.9  | 17.8  | 26.8   |
| 100      | 15.0  | 11.4  | 17.0   |



#49  
Dibromochloromethane  
Concen: 4.410 ug/L  
RT: 8.801 min Scan# 2336  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 55473 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 76.8  | 54.6  | 101.4 |





#50

1,2-Dibromoethane

Concen: 4.478 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA\_U

ClientSampleId :

E1G93MSD

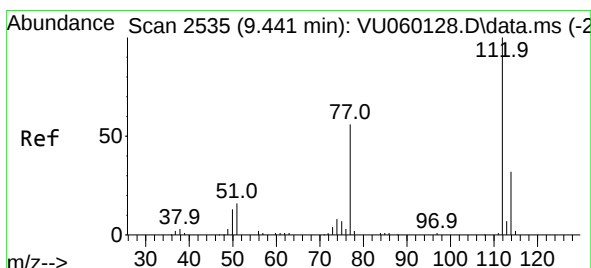
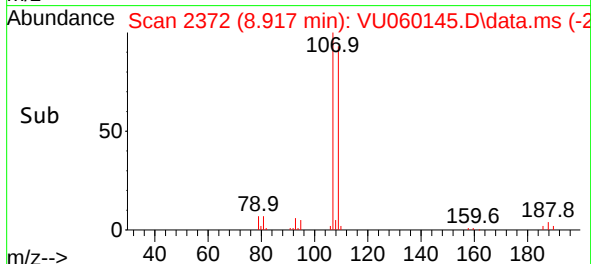
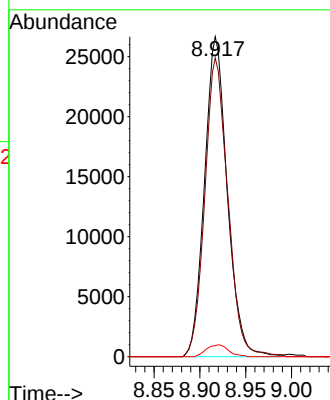
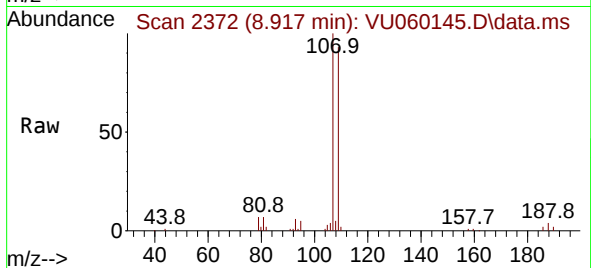
Tgt Ion:107 Resp: 46036

Ion Ratio Lower Upper

107 100

109 93.4 64.0 118.8

188 3.5 3.0 4.6



#51

Chlorobenzene

Concen: 4.329 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

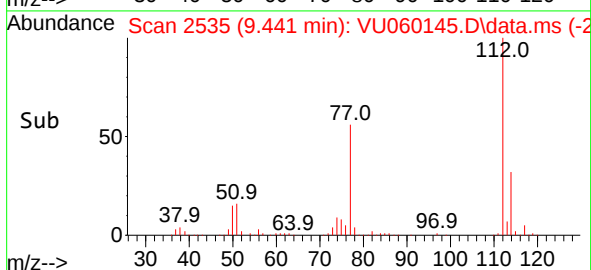
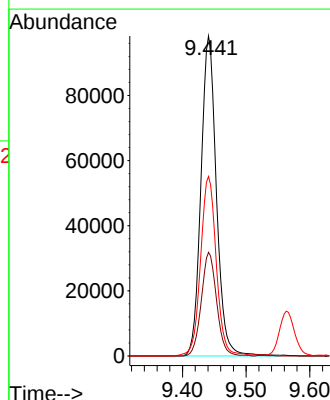
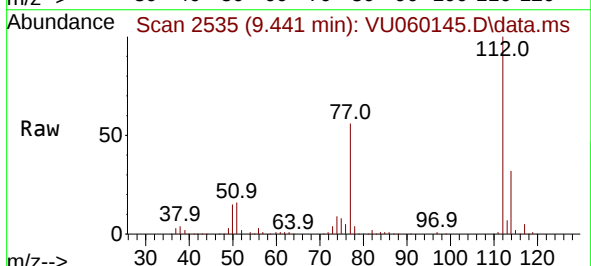
Tgt Ion:112 Resp: 165793

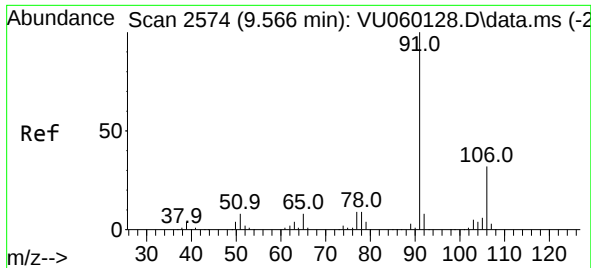
Ion Ratio Lower Upper

112 100

114 32.4 22.1 41.1

77 56.1 44.7 67.1

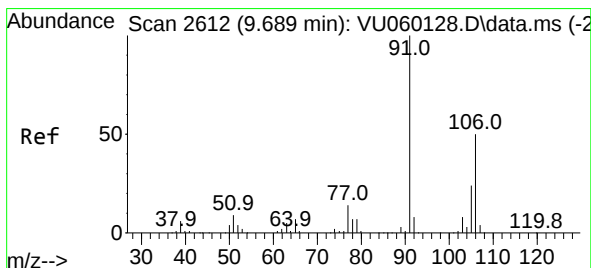
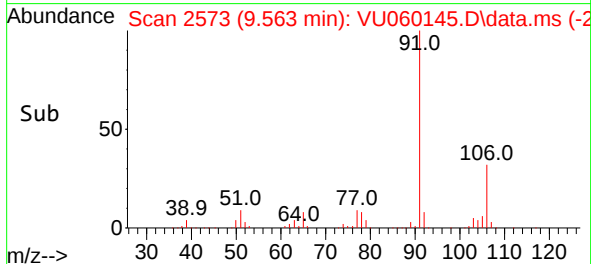
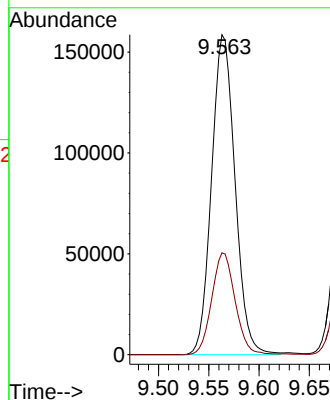
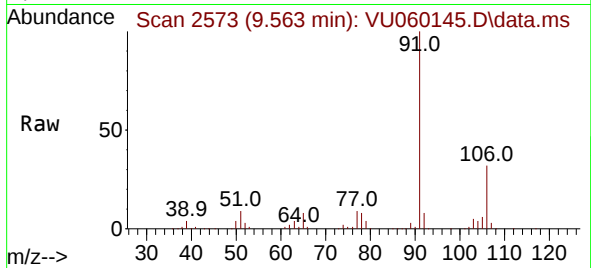




#52  
Ethylbenzene  
Concen: 4.406 ug/L  
RT: 9.563 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

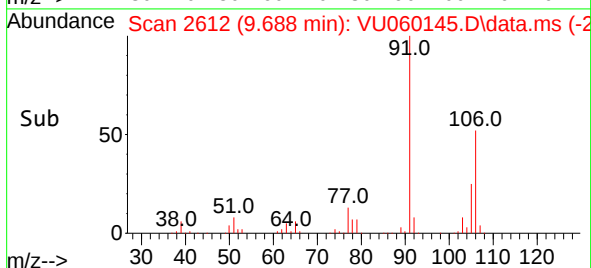
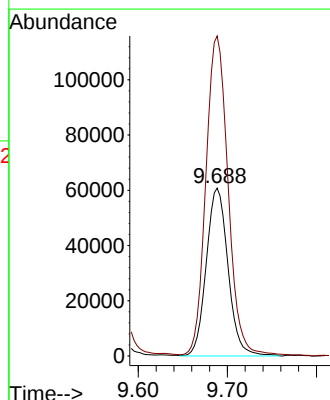
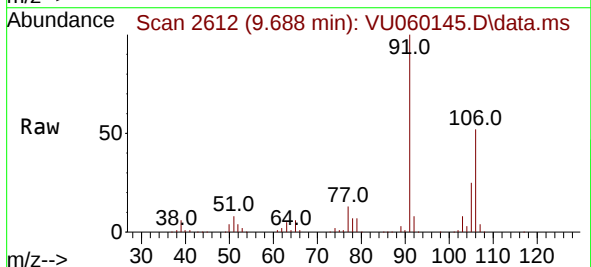
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

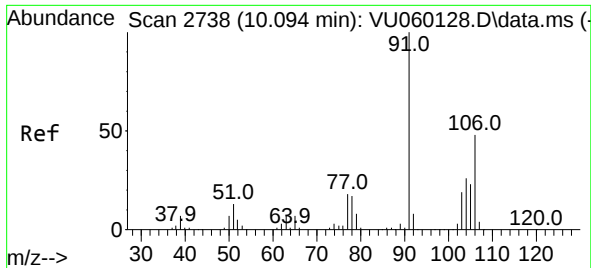
Tgt Ion: 91 Resp: 257557  
Ion Ratio Lower Upper  
91 100  
106 31.9 21.9 40.7



#53  
m,p-Xylene  
Concen: 4.573 ug/L  
RT: 9.688 min Scan# 2612  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

Tgt Ion: 106 Resp: 103274  
Ion Ratio Lower Upper  
106 100  
91 190.6 141.3 262.5

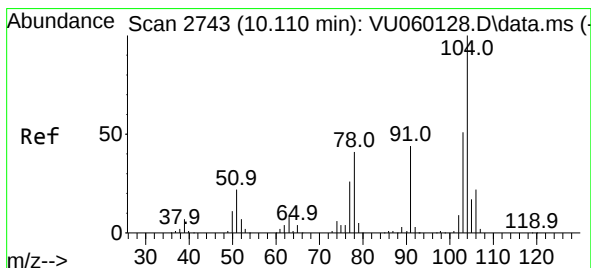
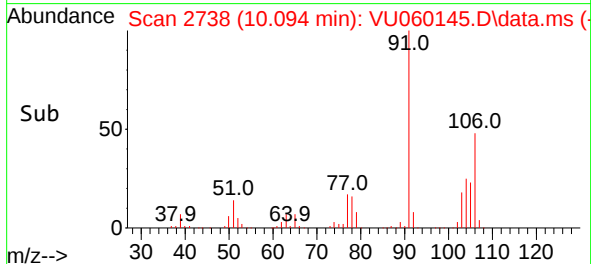
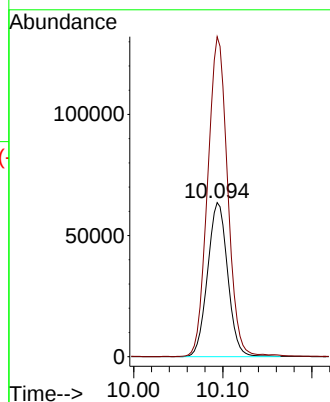
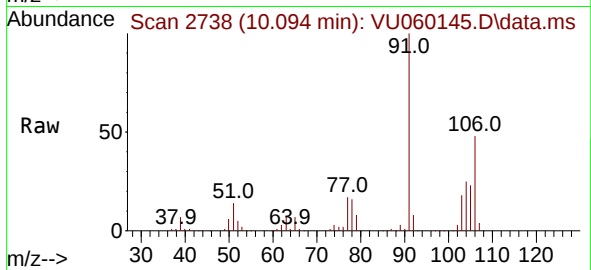




#54  
o-Xylene  
Concen: 4.611 ug/L  
RT: 10.094 min Scan# 2738  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

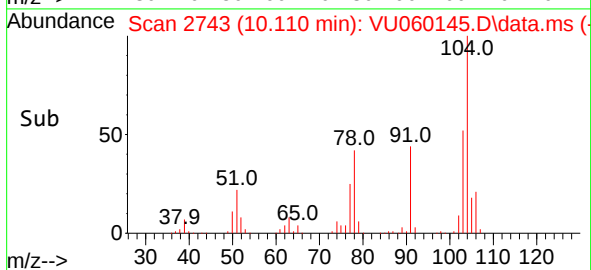
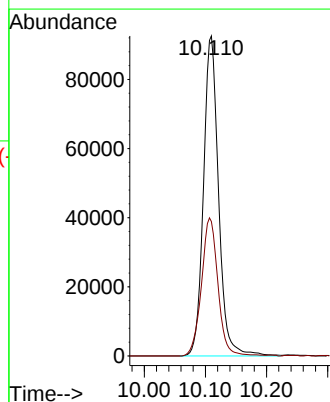
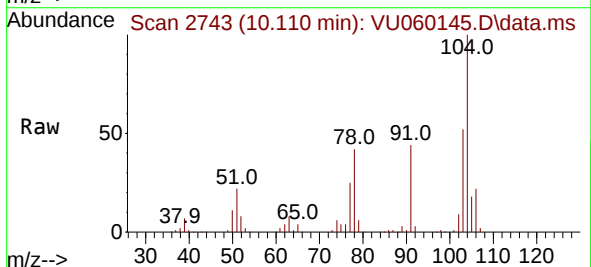
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

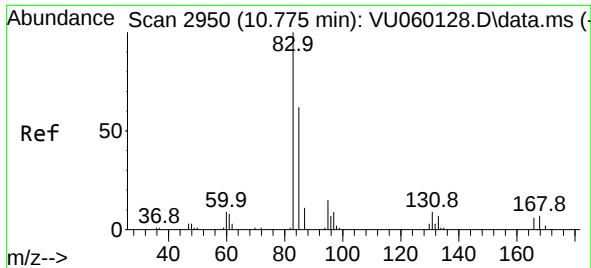
Tgt Ion:106 Resp: 99583  
Ion Ratio Lower Upper  
106 100  
91 207.6 143.6 266.6



#55  
Styrene  
Concen: 4.326 ug/L  
RT: 10.110 min Scan# 2743  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

Tgt Ion:104 Resp: 159014  
Ion Ratio Lower Upper  
104 100  
78 42.0 31.4 58.4

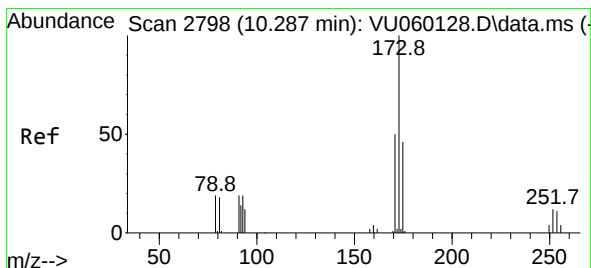
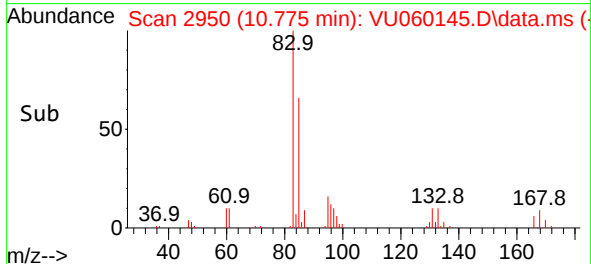
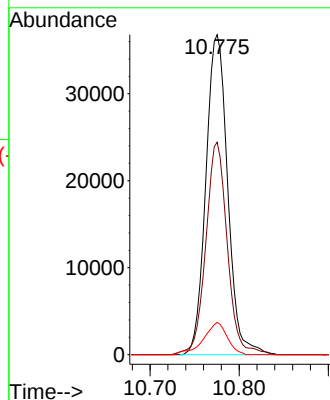
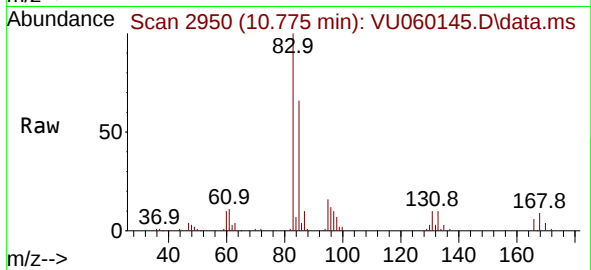




#57  
1,1,2-Tetrachloroethane  
Concen: 4.493 ug/L  
RT: 10.775 min Scan# 2950  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

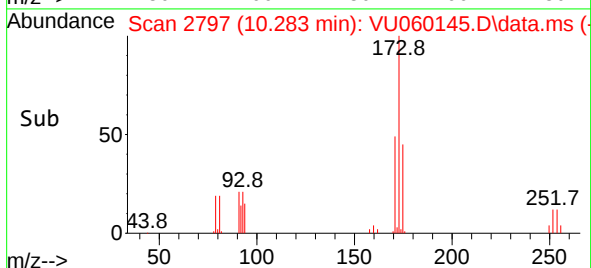
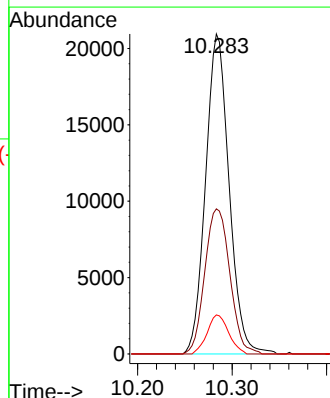
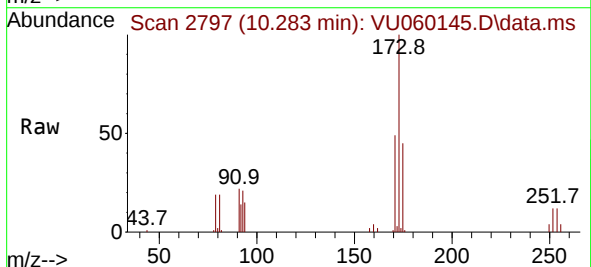
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

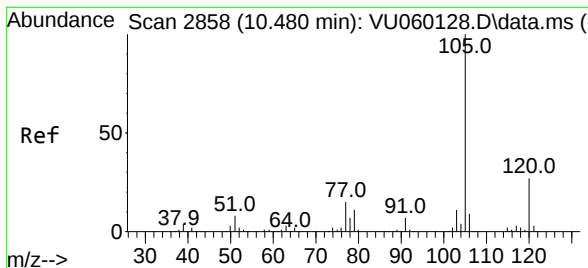
Tgt Ion: 83 Resp: 62493  
Ion Ratio Lower Upper  
83 100  
85 66.4 46.8 87.0  
131 10.1 7.8 11.6



#59  
Bromoform  
Concen: 4.620 ug/L  
RT: 10.283 min Scan# 2797  
Delta R.T. -0.003 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

Tgt Ion:173 Resp: 36200  
Ion Ratio Lower Upper  
173 100  
175 48.3 38.7 58.1  
254 11.2 9.0 13.4





#60

Isopropylbenzene

Concen: 4.574 ug/L

RT: 10.476 min Scan# 2858

Delta R.T. -0.003 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA\_U

ClientSampleId :

E1G93MSD

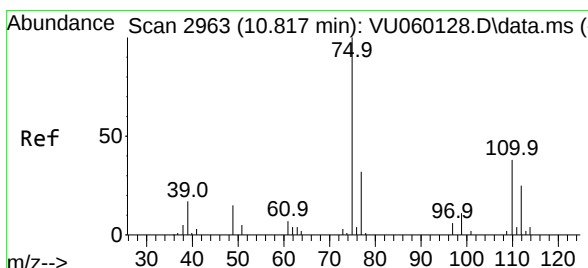
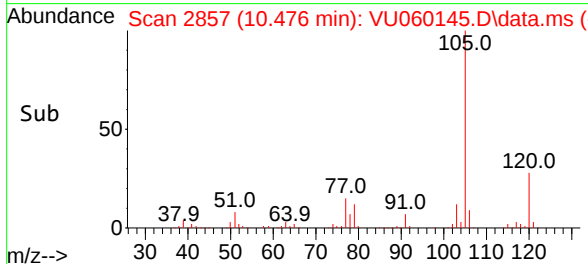
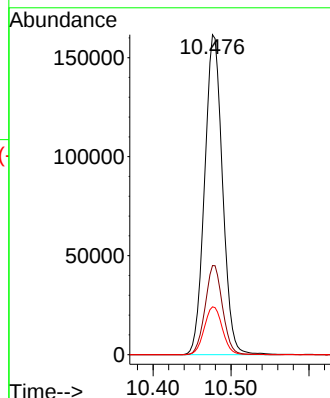
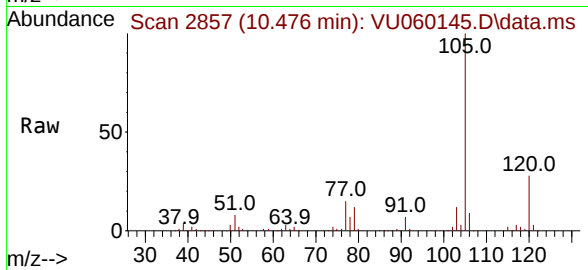
Tgt Ion:105 Resp: 257937

Ion Ratio Lower Upper

105 100

120 27.1 21.9 32.9

77 15.2 12.1 18.1



#61

1,2,3-Trichloropropane

Concen: 4.610 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

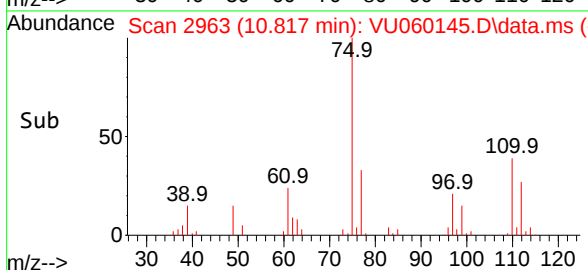
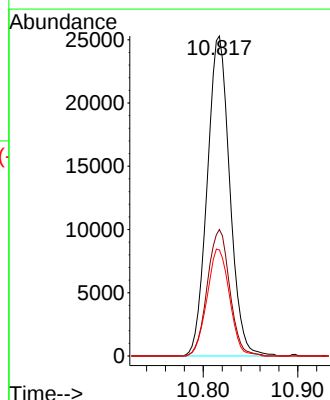
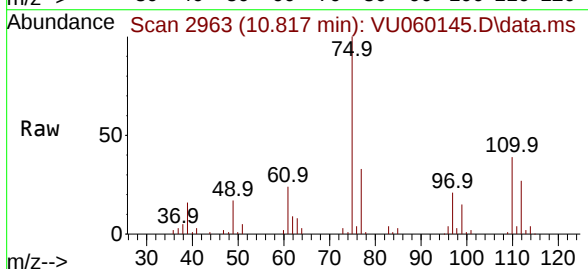
Tgt Ion: 75 Resp: 41907

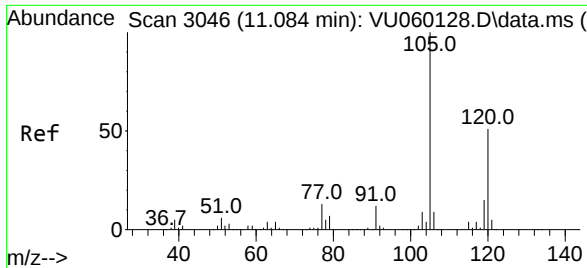
Ion Ratio Lower Upper

75 100

110 39.2 30.8 46.2

77 33.4 26.2 39.2

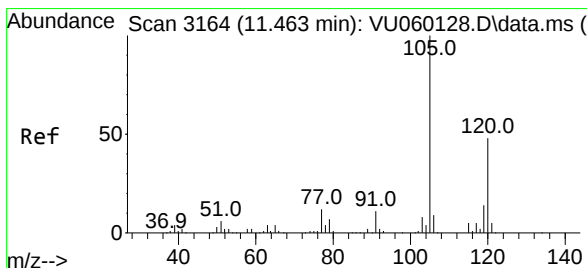
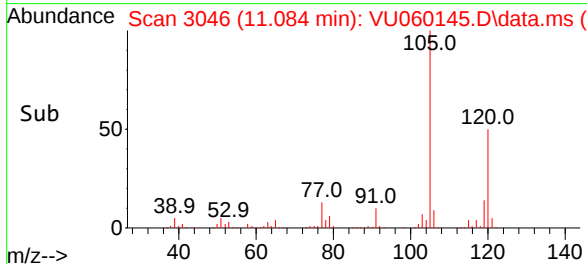
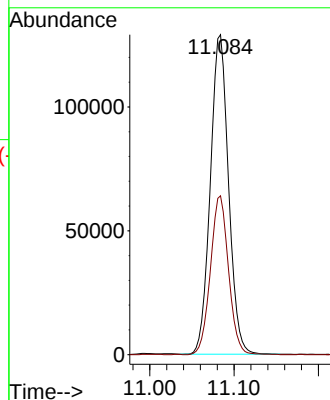
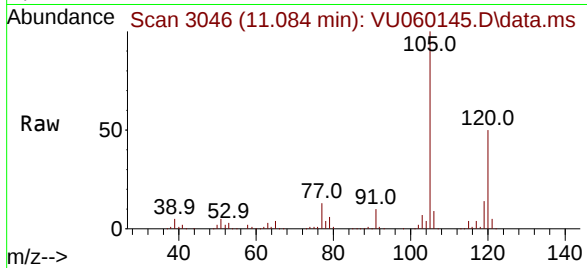




#62  
1,3,5-Trimethylbenzene  
Concen: 4.495 ug/L  
RT: 11.084 min Scan# 3046  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

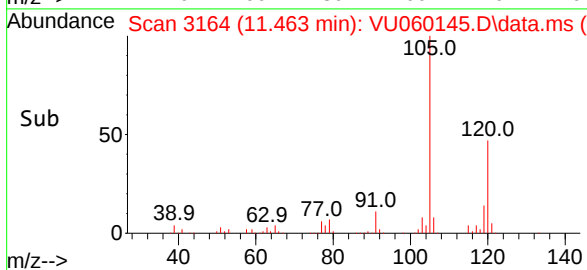
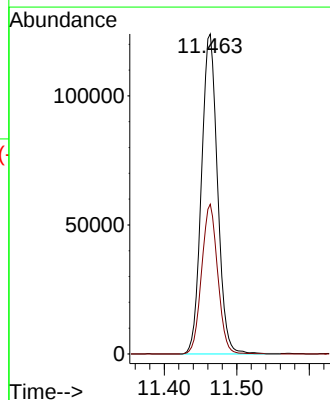
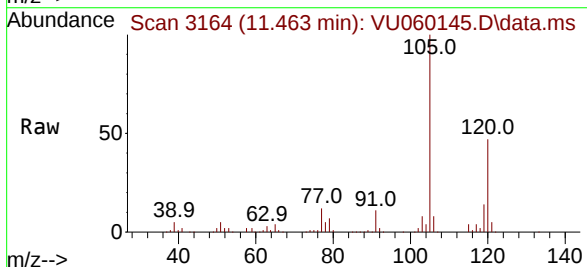
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

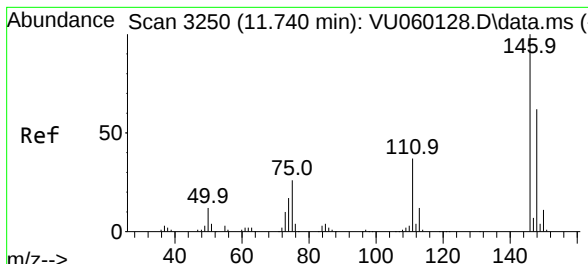
Tgt Ion:105 Resp: 193663  
Ion Ratio Lower Upper  
105 100  
120 49.5 39.4 59.2



#63  
1,2,4-Trimethylbenzene  
Concen: 4.583 ug/L  
RT: 11.463 min Scan# 3164  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

Tgt Ion:105 Resp: 190802  
Ion Ratio Lower Upper  
105 100  
120 46.9 36.7 55.1

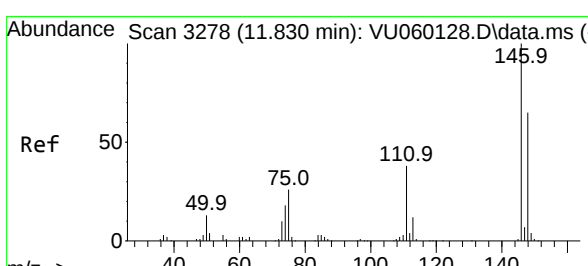
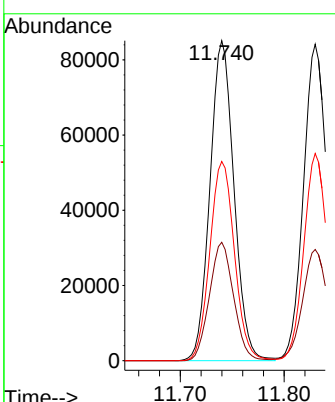
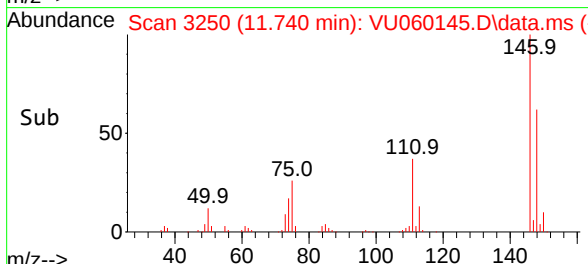
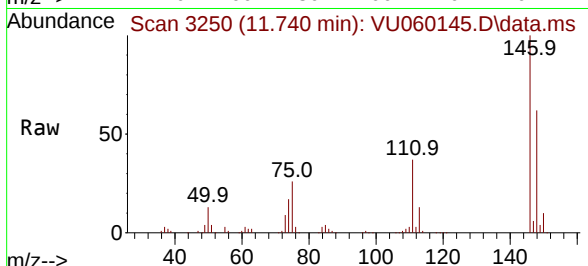




#64  
 1,3-Dichlorobenzene  
 Concen: 4.512 ug/L  
 RT: 11.740 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU060145.D  
 Acq: 24 Jul 2024 04:49

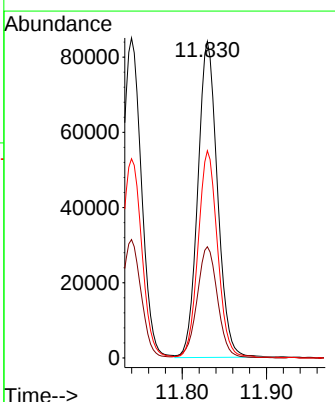
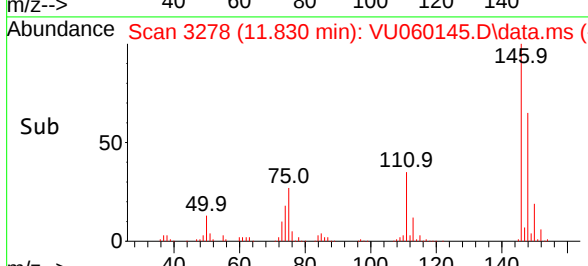
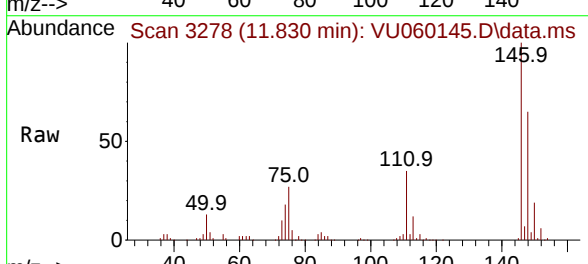
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E1G93MSD

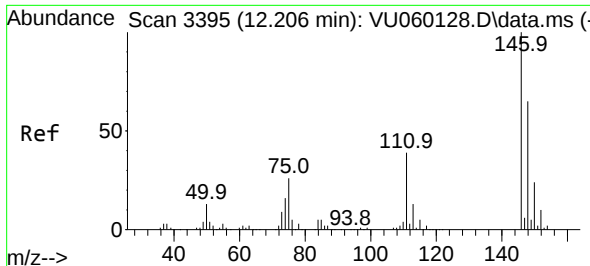
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 136898 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 37.0  | 27.2  | 50.4   |
| 148      | 62.2  | 44.3  | 82.3   |



#65  
 1,4-Dichlorobenzene  
 Concen: 4.420 ug/L  
 RT: 11.830 min Scan# 3278  
 Delta R.T. -0.000 min  
 Lab File: VU060145.D  
 Acq: 24 Jul 2024 04:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 136537 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 35.1  | 26.5  | 49.1   |
| 148      | 65.5  | 45.3  | 84.1   |

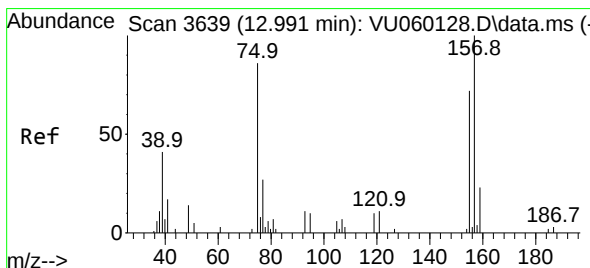
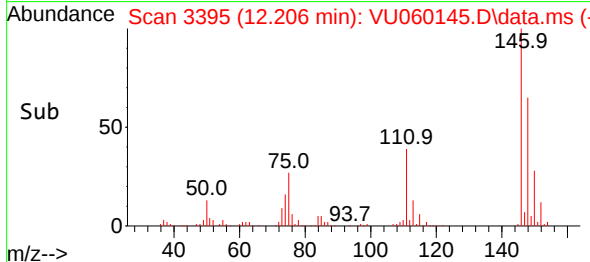
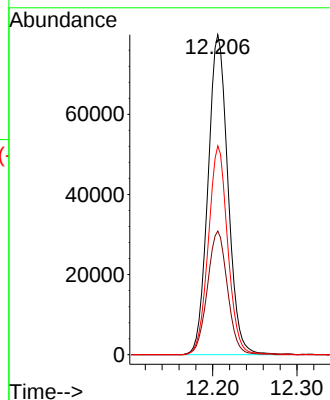
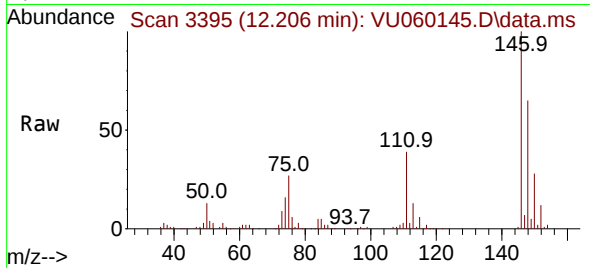




#67  
1,2-Dichlorobenzene  
Concen: 4.523 ug/L  
RT: 12.206 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

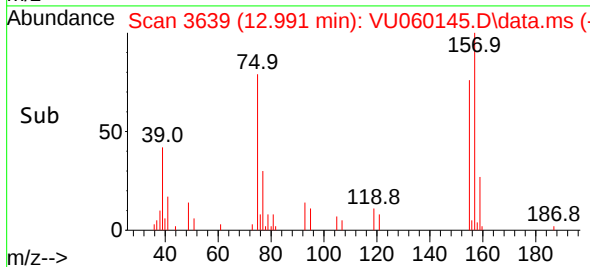
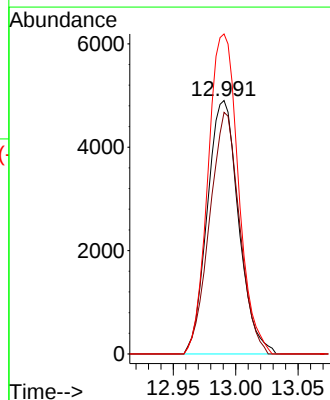
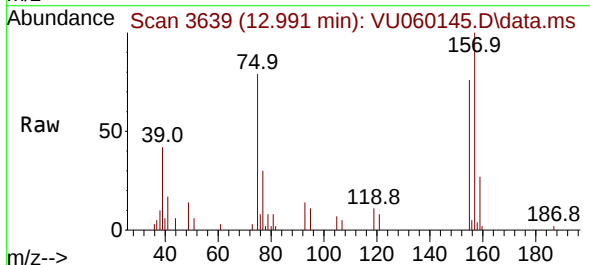
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1G93MSD

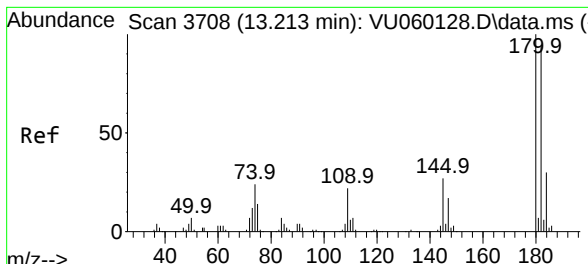
Tgt Ion:146 Resp: 131355  
Ion Ratio Lower Upper  
146 100  
111 38.7 30.9 46.3  
148 65.2 49.8 74.8



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.826 ug/L  
RT: 12.991 min Scan# 3639  
Delta R.T. -0.000 min  
Lab File: VU060145.D  
Acq: 24 Jul 2024 04:49

Tgt Ion: 75 Resp: 8550  
Ion Ratio Lower Upper  
75 100  
155 95.3 70.6 105.8  
157 126.2 99.4 149.2

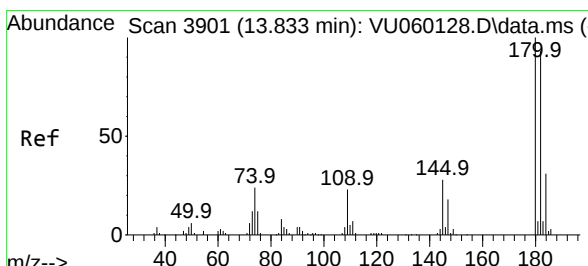
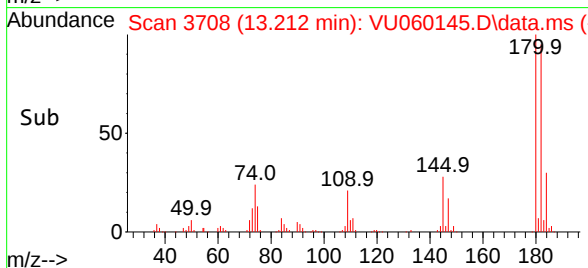
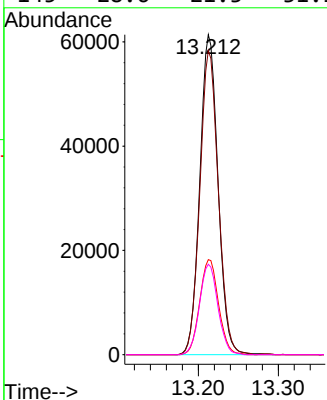
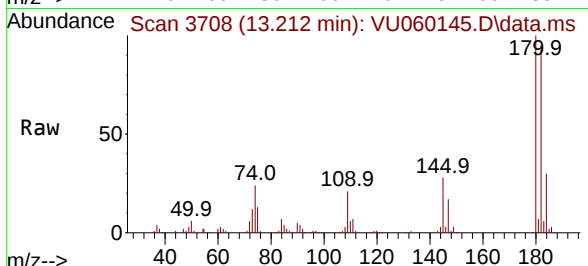




#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.239 ug/L  
 RT: 13.212 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU060145.D  
 Acq: 24 Jul 2024 04:49

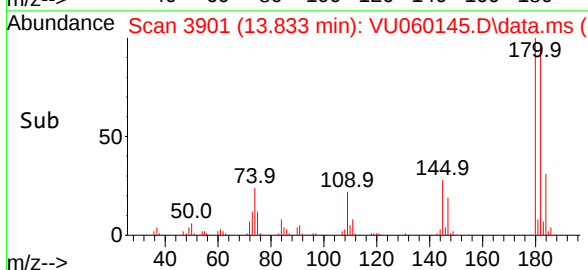
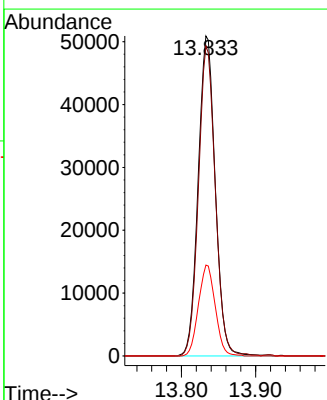
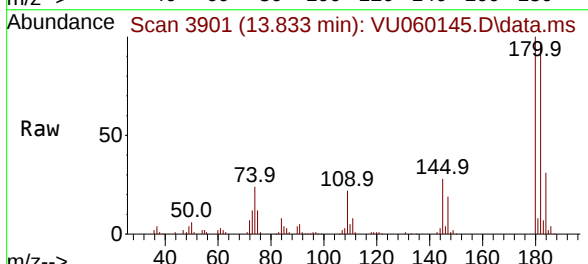
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E1G93MSD

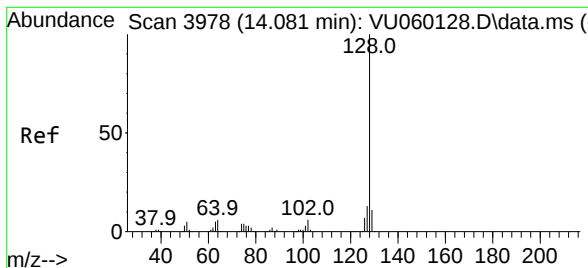
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 97070       |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 96.3  | 74.6 111.8  |
| 184         | 30.8  | 23.1 34.7   |
| 145         | 28.6  | 21.3 31.9   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.658 ug/L  
 RT: 13.833 min Scan# 3901  
 Delta R.T. -0.000 min  
 Lab File: VU060145.D  
 Acq: 24 Jul 2024 04:49

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 81183       |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 95.6  | 77.2 115.8  |
| 145         | 27.8  | 23.0 34.4   |





#71

Naphthalene

Concen: 5.172 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA\_U

ClientSampleId :

E1G93MSD

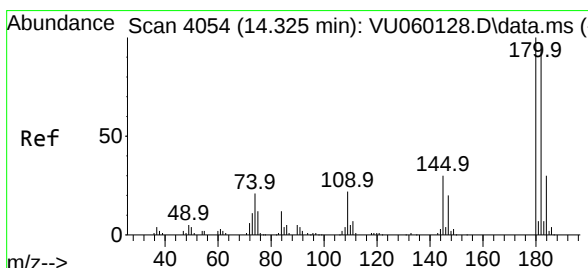
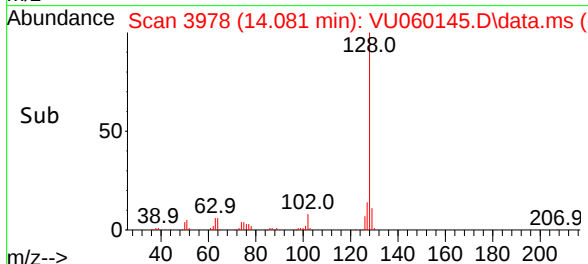
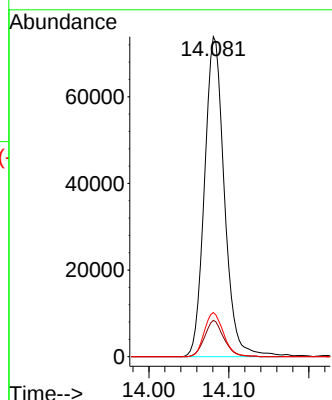
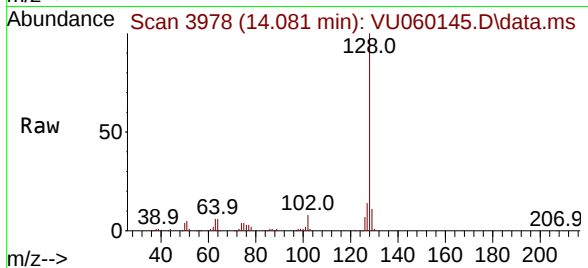
Tgt Ion:128 Resp: 127726

Ion Ratio Lower Upper

128 100

129 11.0 8.2 12.4

127 13.3 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.981 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Tgt Ion:180 Resp: 78076

Ion Ratio Lower Upper

180 100

182 95.5 76.3 114.5

145 28.7 23.9 35.9

