

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU050322\  
 Data File : VU048382.D  
 Acq On : 03 May 2022 09:38  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 04 01:34:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM042522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue May 03 04:11:15 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 436509   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 441890   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815  | 152   | 246759   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 220571   | 54.950   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 109.900% |
| 7) Chloroethane-d5            | 1.903   | 69    | 139637   | 49.559   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 99.120%  |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 330523   | 51.391   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 102.780% |
| 21) 2-Butanone-d5             | 4.629   | 46    | 305170   | 89.138   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 89.140%  |
| 24) Chloroform-d              | 5.066   | 84    | 364028   | 49.999   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.000% |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 216289   | 50.068   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.140% |
| 32) Benzene-d6                | 5.729   | 84    | 757216   | 54.333   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 108.660% |
| 36) 1,2-Dichloropropane-d6    | 6.693   | 67    | 235914   | 51.202   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 102.400% |
| 41) Toluene-d8                | 7.899   | 98    | 710850   | 56.271   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 112.540% |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 108619   | 53.426   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 106.860% |
| 47) 2-Hexanone-d5             | 8.639   | 63    | 230675   | 92.795   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 92.800%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761  | 84    | 375071   | 46.416   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 92.840%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 282644   | 50.918   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.840% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 140482   | 42.591   | ug/L   | 99       |
| 3) Chloromethane              | 1.523   | 50    | 146999   | 38.938   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.604   | 62    | 162673   | 42.759   | ug/L   | 95       |
| 6) Bromomethane               | 1.854   | 94    | 80452    | 46.014   | ug/L   | 99       |
| 8) Chloroethane               | 1.922   | 64    | 96577    | 44.896   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.131   | 101   | 238964   | 48.199   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578   | 101   | 157845   | 48.002   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.578   | 96    | 131126   | 45.684   | ug/L   | 86       |
| 13) Acetone                   | 2.636   | 43    | 254058   | 115.593  | ug/L   | 99       |
| 14) Carbon disulfide          | 2.793   | 76    | 262896   | 37.581   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.951   | 43    | 191612   | 43.918   | ug/L   | 98       |
| 16) Methylene chloride        | 3.047   | 84    | 176554   | 47.711   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 3.353   | 96    | 140432   | 47.096   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.366   | 73    | 508230   | 51.658   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.870   | 63    | 294559   | 47.240   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 179275   | 49.878   | ug/L   | 94       |
| 22) 2-Butanone                | 4.710   | 43    | 327678   | 100.822  | ug/L   | 96       |
| 23) Bromochloromethane        | 4.976   | 128   | 98354    | 49.013   | ug/L   | 95       |
| 25) Chloroform                | 5.089   | 83    | 319827   | 50.230   | ug/L   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 04 01:34:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM042522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue May 03 04:11:15 2022  
 Response via : Initial Calibration

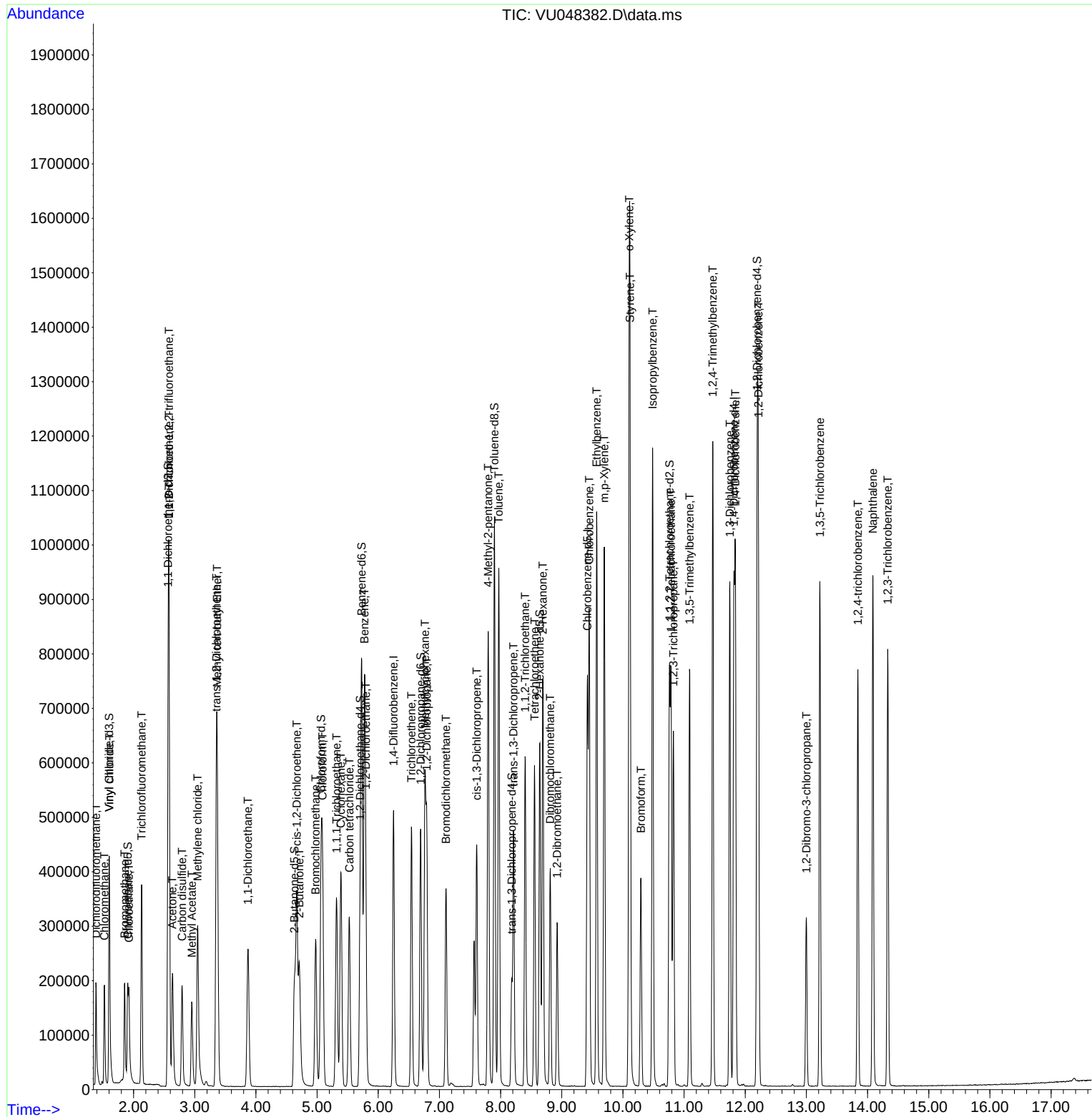
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 227116   | 48.902  | ug/L  | 100      |
| 29) Cyclohexane               | 5.391  | 56   | 196418   | 47.045  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 257755   | 51.581  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.526  | 117  | 219263   | 51.481  | ug/L  | 100      |
| 33) Benzene                   | 5.774  | 78   | 661222   | 50.540  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 163185   | 50.887  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 226129   | 50.226  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 187902   | 50.479  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 239863   | 51.025  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 271806   | 51.928  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 563082   | 100.294 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 719767   | 52.400  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 263515   | 51.533  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 198085   | 50.721  | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.555  | 164  | 140480   | 51.042  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.690  | 43   | 468844   | 100.002 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.812  | 129  | 215044   | 50.109  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 201556   | 50.892  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.449  | 112  | 495083   | 50.003  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 751445   | 52.824  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.697  | 106  | 303107   | 53.995  | ug/L  | 99       |
| 54) o-Xylene                  | 10.102 | 106  | 308238   | 54.505  | ug/L  | 98       |
| 55) Styrene                   | 10.118 | 104  | 525031   | 54.497  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 372933   | 48.384  | ug/L  | 99       |
| 59) Bromoform                 | 10.295 | 173  | 179114   | 50.016  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 280113   | 48.660  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.488 | 105  | 781141   | 56.617  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 413772   | 56.900  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 649041   | 58.053  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 403869   | 52.212  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 403401   | 51.084  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 419568   | 51.490  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 74209    | 48.290  | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.220 | 180  | 310948   | 54.099  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 254384   | 56.021  | ug/L  | 99       |
| 71) Naphthalene               | 14.089 | 128  | 768603   | 59.146  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 270445   | 58.115  | ug/L  | 99       |

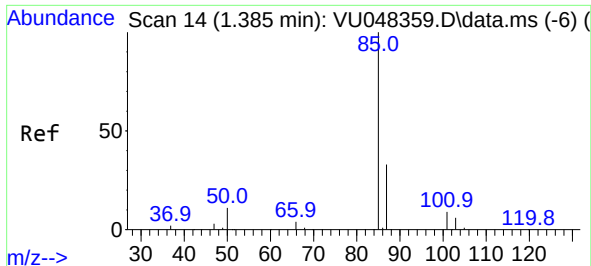
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
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Quant Title : VOC Analysis  
QLast Update : Tue May 03 04:11:15 2022  
Response via : Initial Calibration

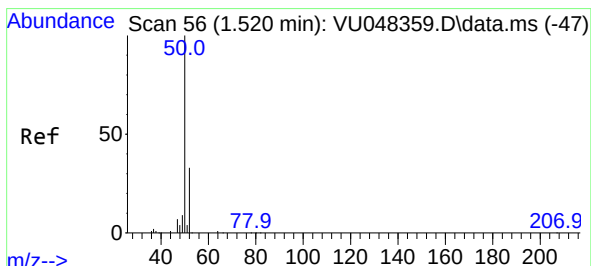
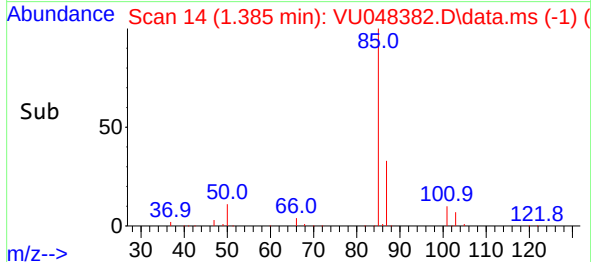
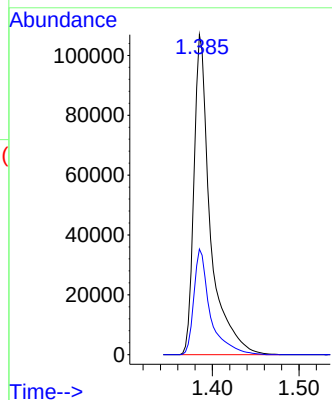
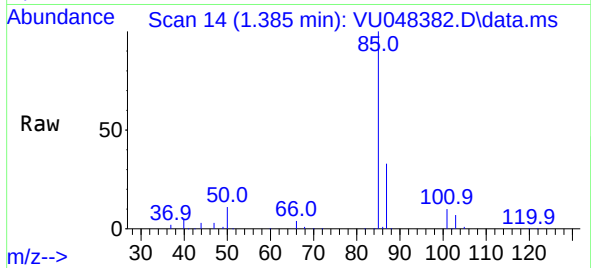




#2  
Dichlorodifluoromethane  
Concen: 42.591 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

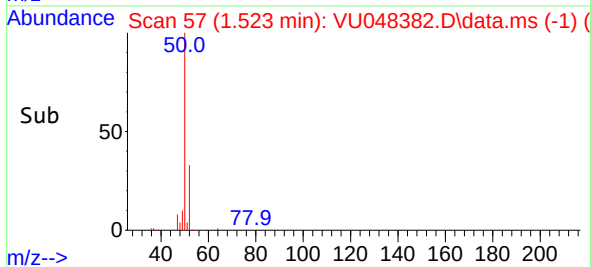
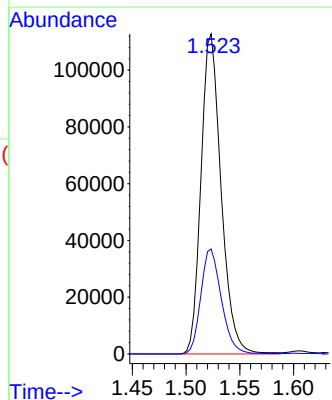
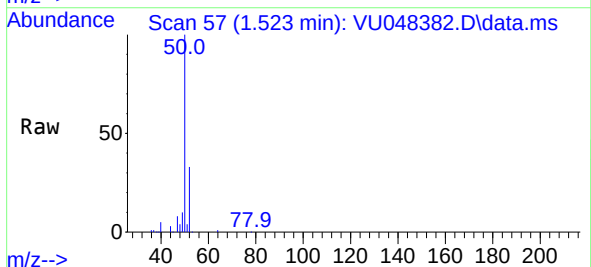
Instrument :  
MSVOA\_U  
ClientSampleId :

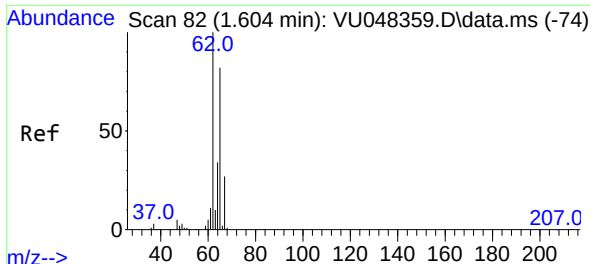
Tgt Ion: 85 Resp: 140482  
Ion Ratio Lower Upper  
85 100  
87 33.0 26.1 39.1



#3  
Chloromethane  
Concen: 38.938 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion: 50 Resp: 146999  
Ion Ratio Lower Upper  
50 100  
52 32.8 23.2 43.2

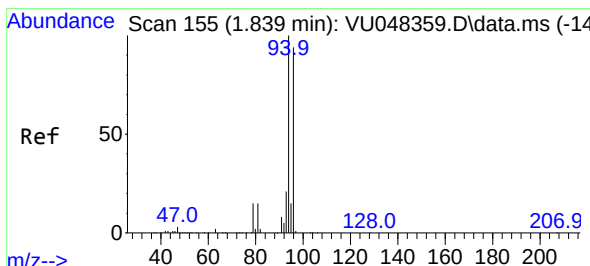
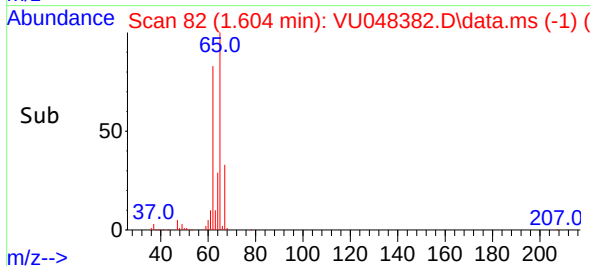
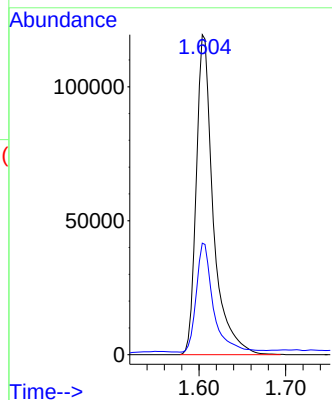
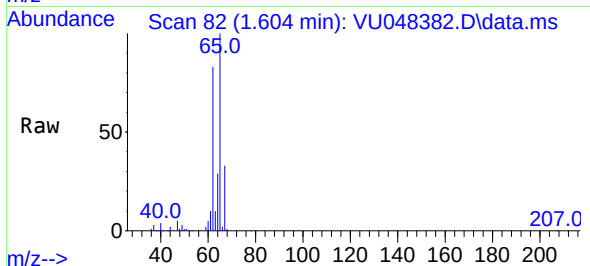




#5  
 Vinyl chloride  
 Concen: 42.759 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU048382.D  
 Acq: 03 May 2022 09:38

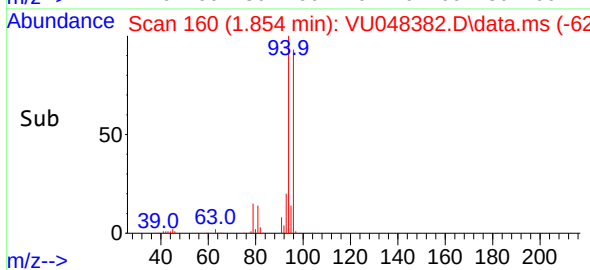
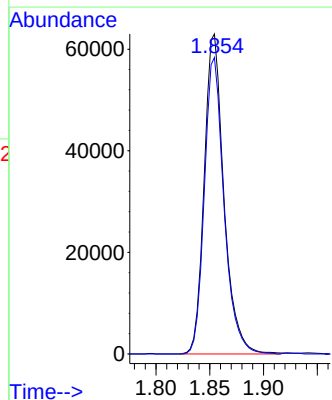
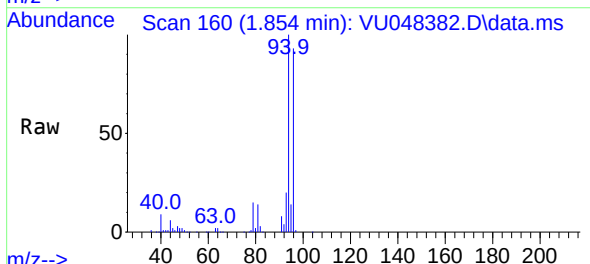
Instrument :  
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 ClientSampleId :

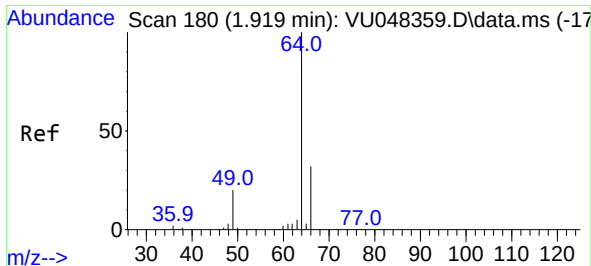
Tgt Ion: 62 Resp: 162673  
 Ion Ratio Lower Upper  
 62 100  
 64 34.8 22.5 41.7



#6  
 Bromomethane  
 Concen: 46.014 ug/L  
 RT: 1.854 min Scan# 160  
 Delta R.T. 0.016 min  
 Lab File: VU048382.D  
 Acq: 03 May 2022 09:38

Tgt Ion: 94 Resp: 80452  
 Ion Ratio Lower Upper  
 94 100  
 96 92.7 65.8 122.2

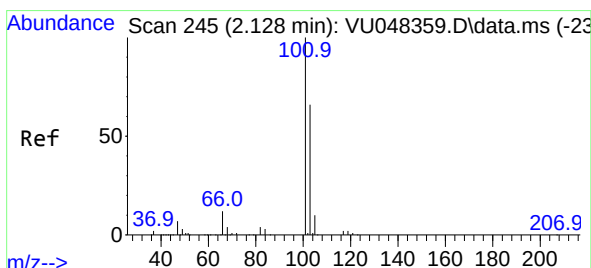
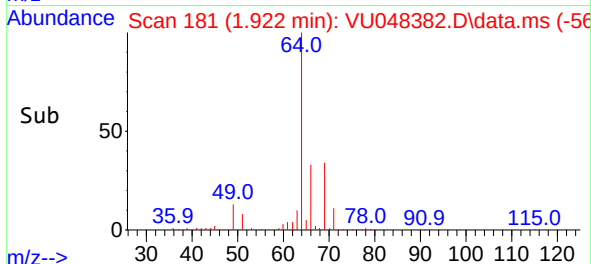
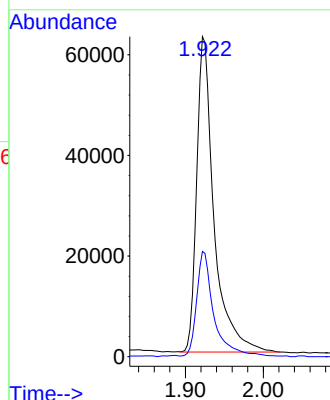
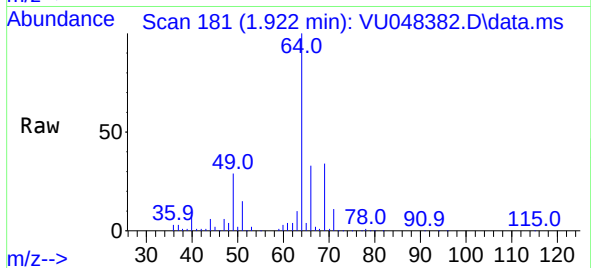




#8  
Chloroethane  
Concen: 44.896 ug/L  
RT: 1.922 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

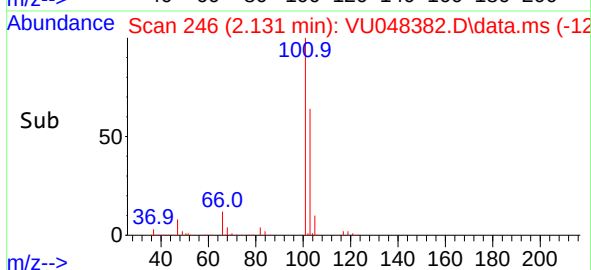
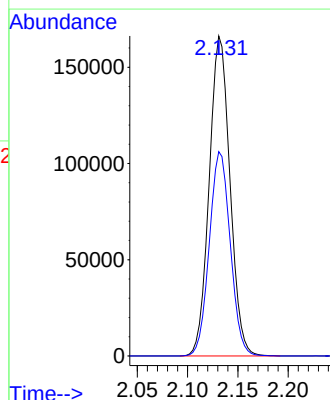
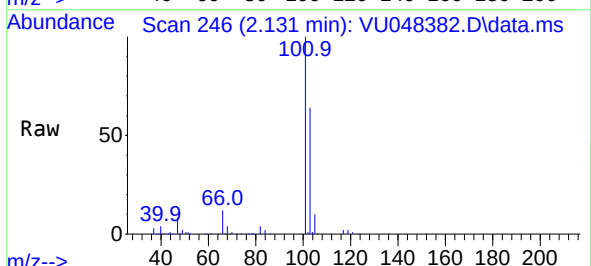
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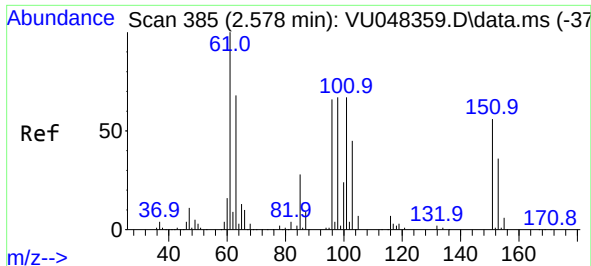
Tgt Ion: 64 Resp: 96577  
Ion Ratio Lower Upper  
64 100  
66 32.9 21.9 40.7



#9  
Trichlorofluoromethane  
Concen: 48.199 ug/L  
RT: 2.131 min Scan# 246  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion:101 Resp: 238964  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.9 77.9

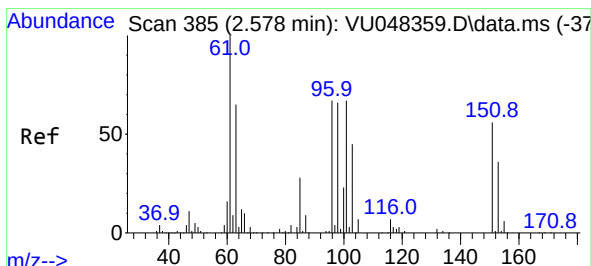
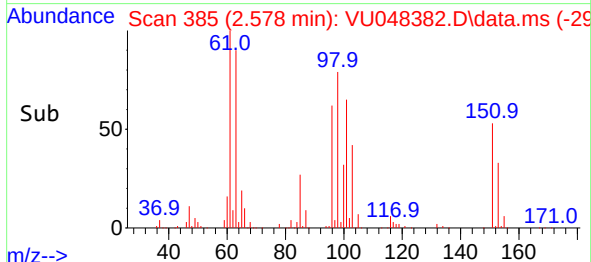
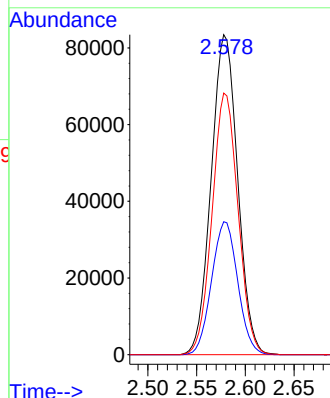
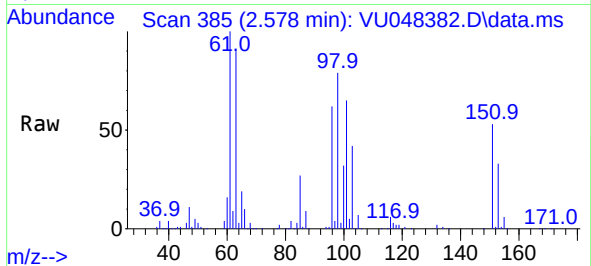




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 48.002 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.000 min  
 Lab File: VU048382.D  
 Acq: 03 May 2022 09:38

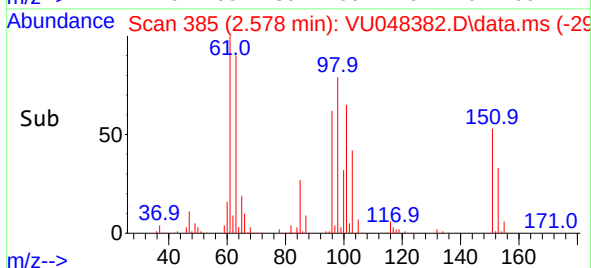
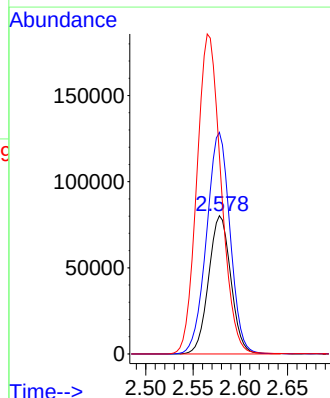
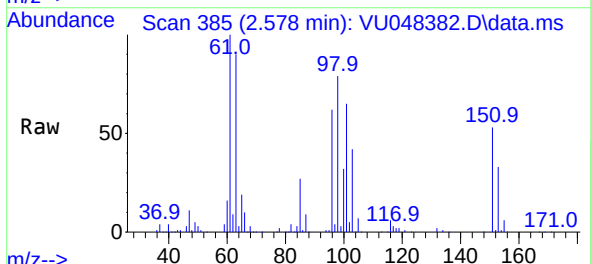
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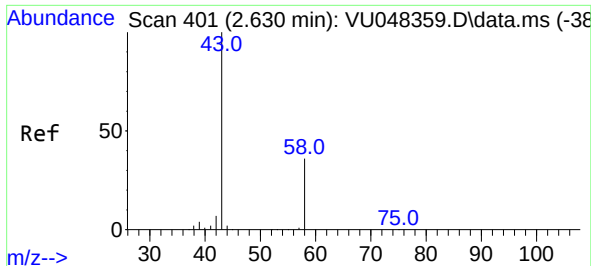
Tgt Ion:101 Resp: 157845  
 Ion Ratio Lower Upper  
 101 100  
 85 41.0 32.6 48.8  
 151 80.0 64.1 96.1



#12  
 1,1-Dichloroethene  
 Concen: 45.684 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.000 min  
 Lab File: VU048382.D  
 Acq: 03 May 2022 09:38

Tgt Ion: 96 Resp: 131126  
 Ion Ratio Lower Upper  
 96 100  
 61 160.2 107.9 200.3  
 63 143.6 80.3 149.1





#13

Acetone

Concen: 115.593 ug/L

RT: 2.636 min Scan# 401

Delta R.T. 0.006 min

Lab File: VU048382.D

Acq: 03 May 2022 09:38

Instrument :

MSVOA\_U

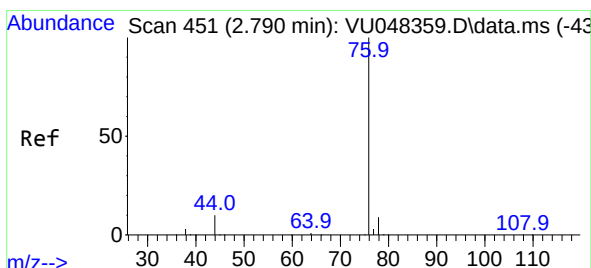
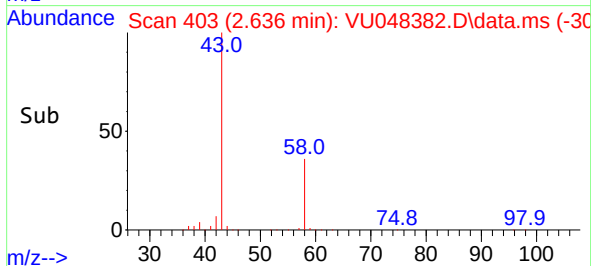
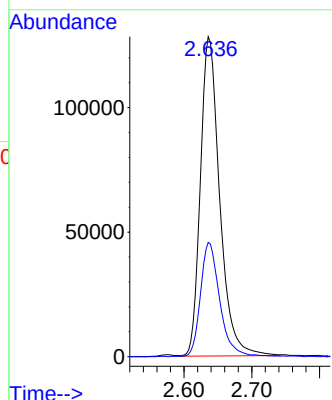
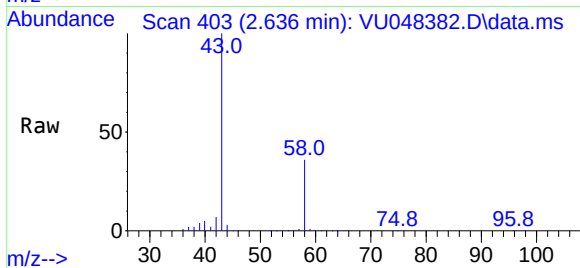
ClientSampleId :

Tgt Ion: 43 Resp: 254058

Ion Ratio Lower Upper

43 100

58 35.0 0.0 71.2



#14

Carbon disulfide

Concen: 37.581 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU048382.D

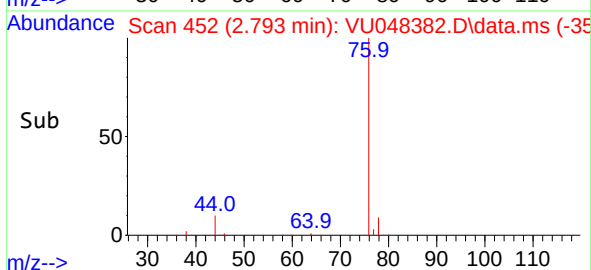
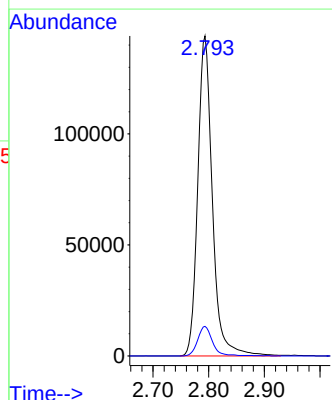
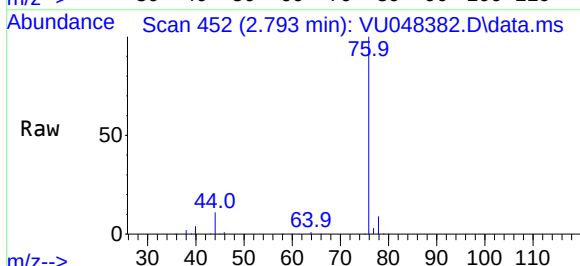
Acq: 03 May 2022 09:38

Tgt Ion: 76 Resp: 262896

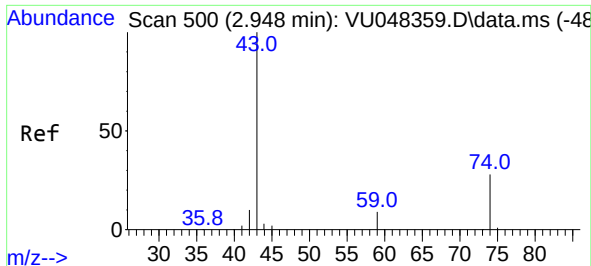
Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



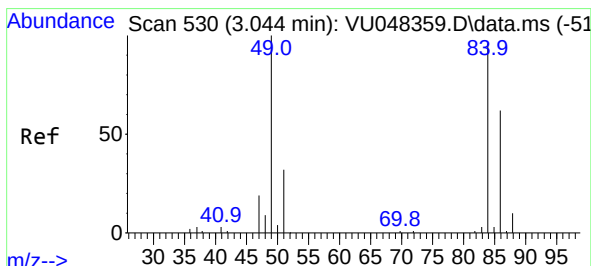
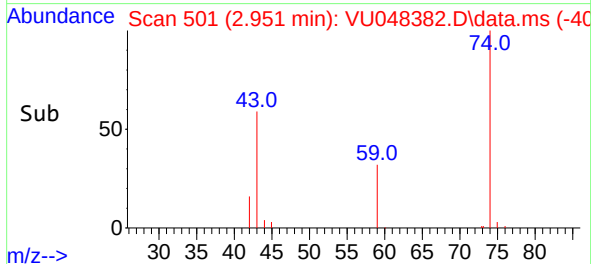
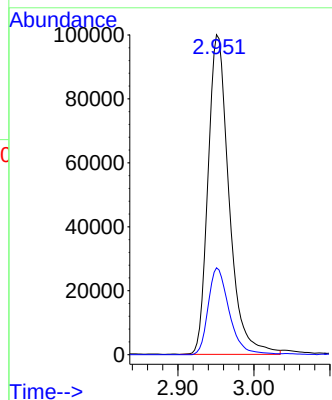
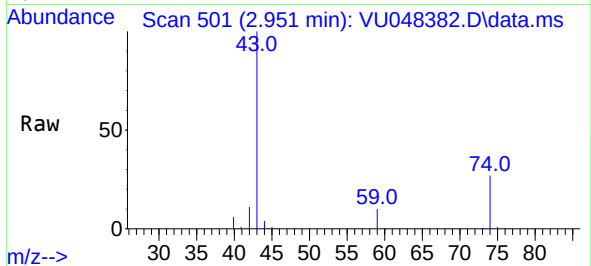




#15  
Methyl Acetate  
Concen: 43.918 ug/L  
RT: 2.951 min Scan# 501  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

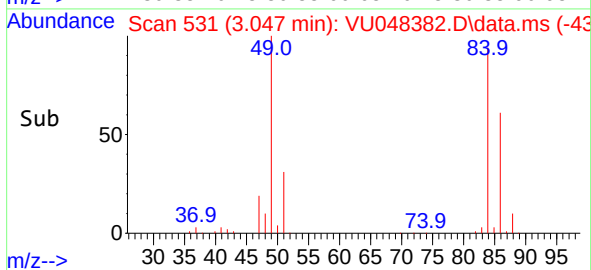
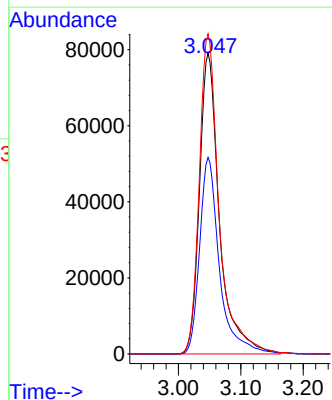
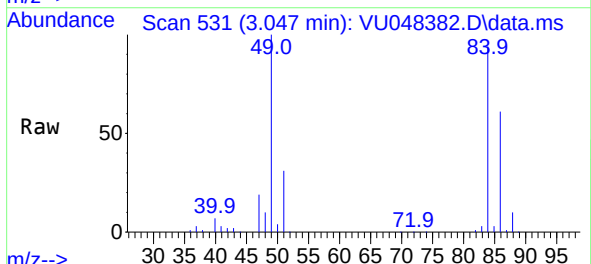
Instrument :  
MSVOA\_U  
ClientSampleId :

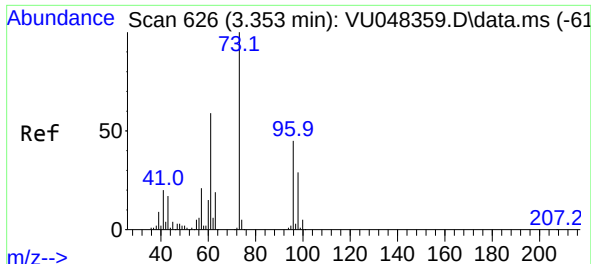
Tgt Ion: 43 Resp: 191612  
Ion Ratio Lower Upper  
43 100  
74 27.2 21.0 31.6



#16  
Methylene chloride  
Concen: 47.711 ug/L  
RT: 3.047 min Scan# 531  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

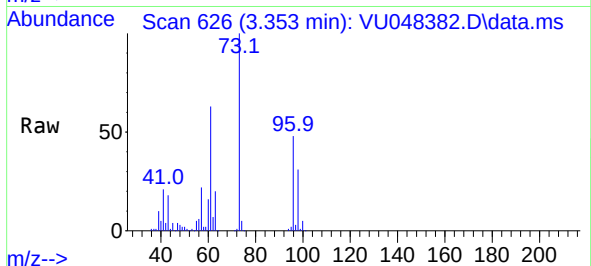
Tgt Ion: 84 Resp: 176554  
Ion Ratio Lower Upper  
84 100  
86 65.3 45.4 84.2  
49 106.4 79.2 147.0



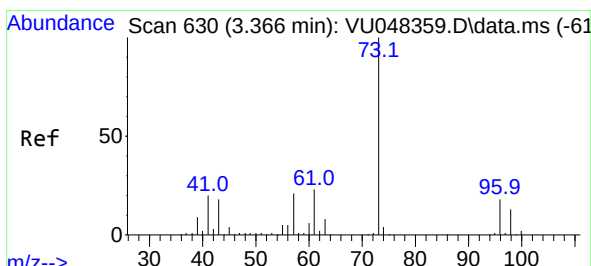
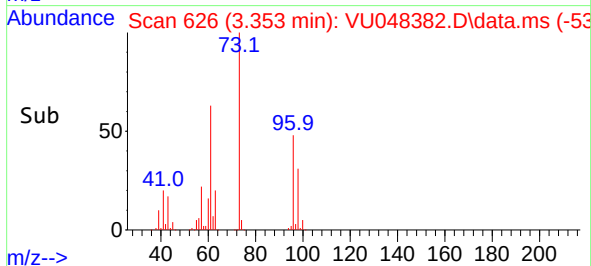
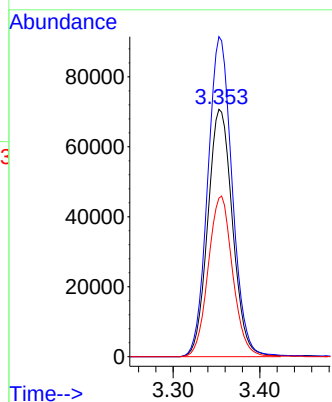


#17  
trans-1,2-Dichloroethene  
Concen: 47.096 ug/L  
RT: 3.353 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Instrument :  
MSVOA\_U  
ClientSampleId :

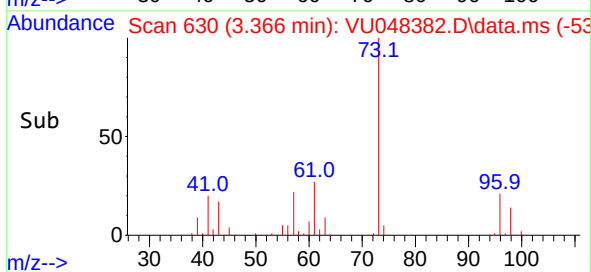
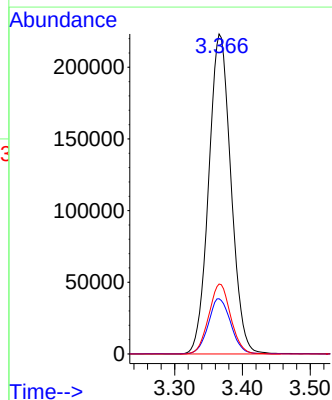
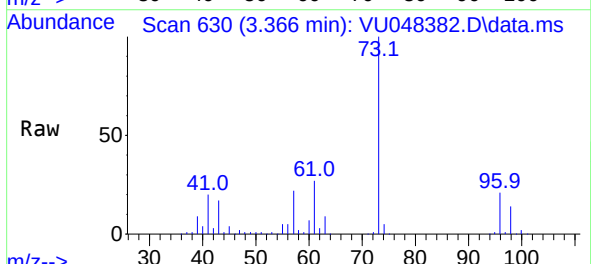


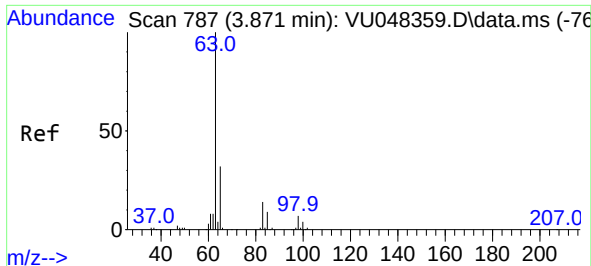
Tgt Ion: 96 Resp: 140432  
Ion Ratio Lower Upper  
96 100  
61 129.4 95.2 176.8  
98 64.1 44.7 83.1



#18  
Methyl tert-butyl Ether  
Concen: 51.658 ug/L  
RT: 3.366 min Scan# 630  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

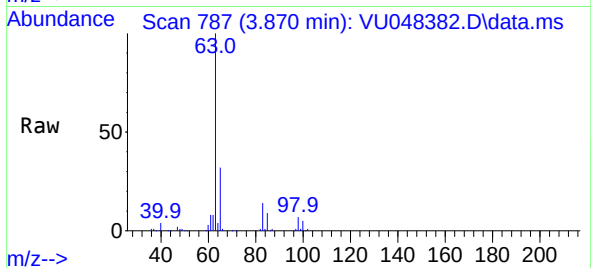
Tgt Ion: 73 Resp: 508230  
Ion Ratio Lower Upper  
73 100  
43 17.4 13.8 20.6  
57 21.6 17.9 26.9



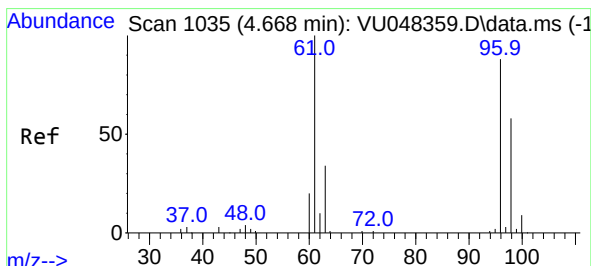
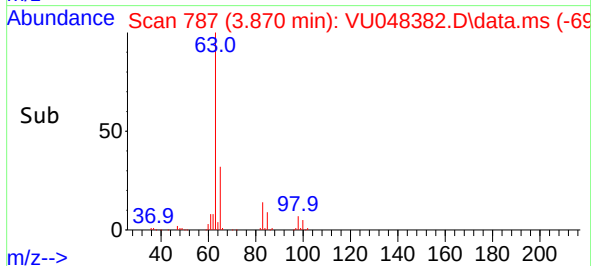
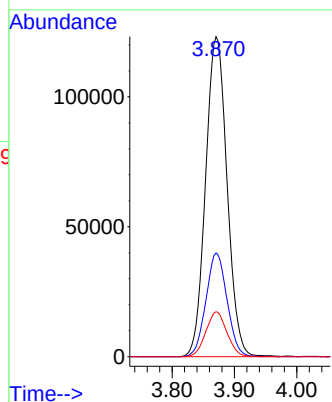


#19  
1,1-Dichloroethane  
Concen: 47.240 ug/L  
RT: 3.870 min Scan# 787  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Instrument :  
MSVOA\_U  
ClientSampleId :

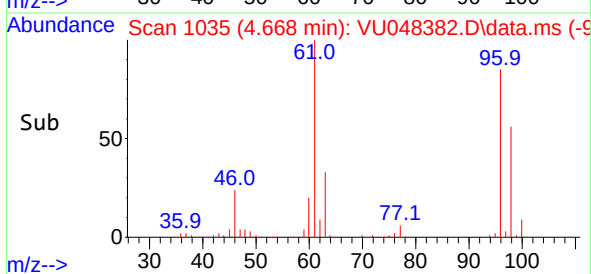
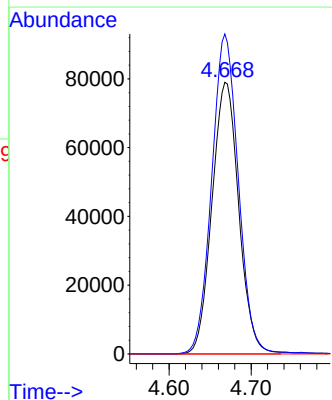
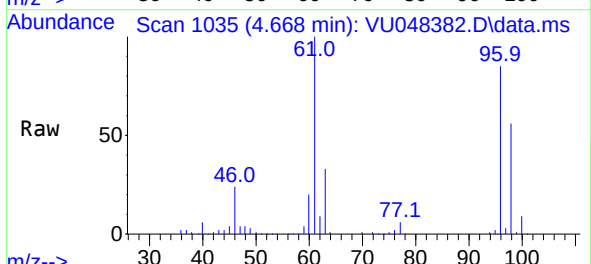


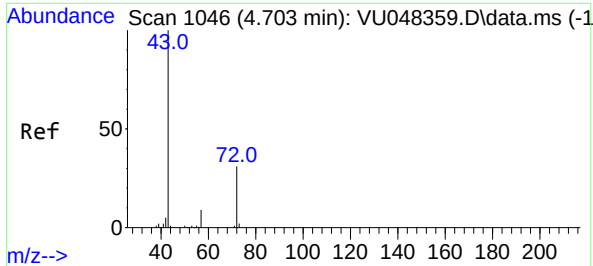
Tgt Ion: 63 Resp: 294559  
Ion Ratio Lower Upper  
63 100  
65 32.4 22.0 40.8  
83 14.0 8.8 16.4



#20  
cis-1,2-Dichloroethene  
Concen: 49.878 ug/L  
RT: 4.668 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

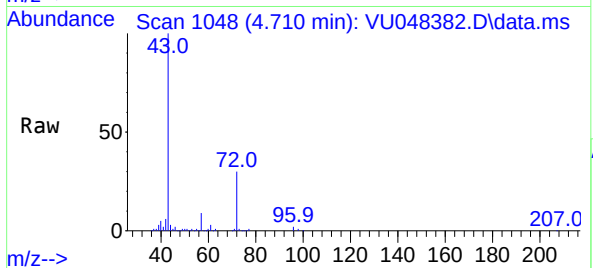
Tgt Ion: 96 Resp: 179275  
Ion Ratio Lower Upper  
96 100  
61 117.8 87.0 161.6  
68 0.0 0.0 0.0



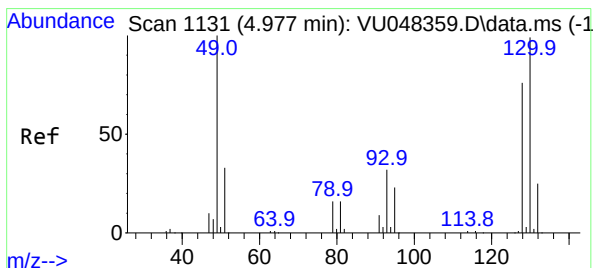
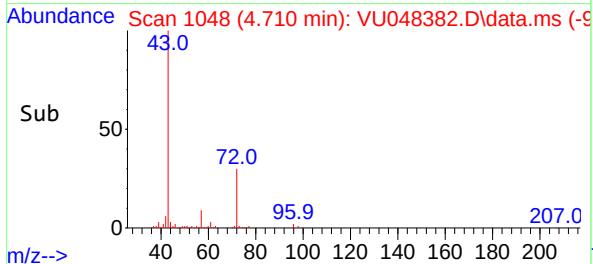
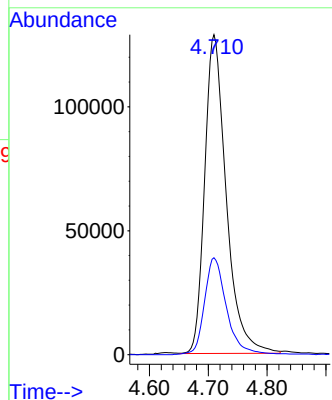


#22  
2-Butanone  
Concen: 100.822 ug/L  
RT: 4.710 min Scan# 1046  
Delta R.T. 0.006 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Instrument :  
MSVOA\_U  
ClientSampleId :

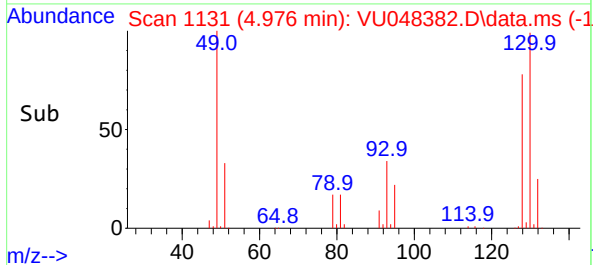
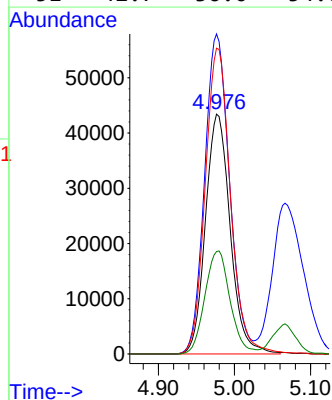
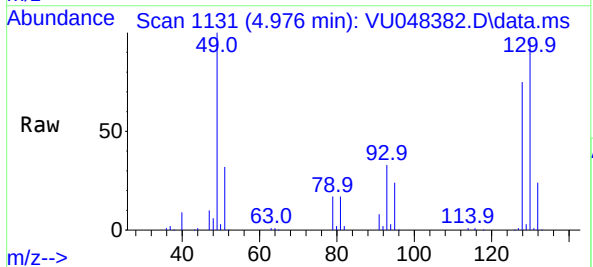


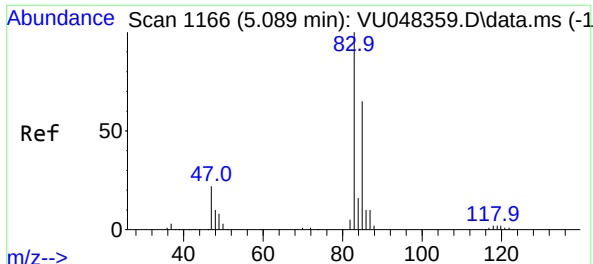
Tgt Ion: 43 Resp: 327678  
Ion Ratio Lower Upper  
43 100  
72 31.1 14.6 43.8



#23  
Bromochloromethane  
Concen: 49.013 ug/L  
RT: 4.976 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion:128 Resp: 98354  
Ion Ratio Lower Upper  
128 100  
49 133.4 101.3 188.1  
130 127.5 89.0 165.2  
51 42.7 36.0 54.0





#25

Chloroform

Concen: 50.230 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048382.D

Acq: 03 May 2022 09:38

Instrument :

MSVOA\_U

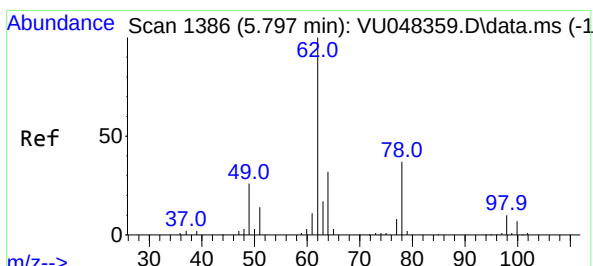
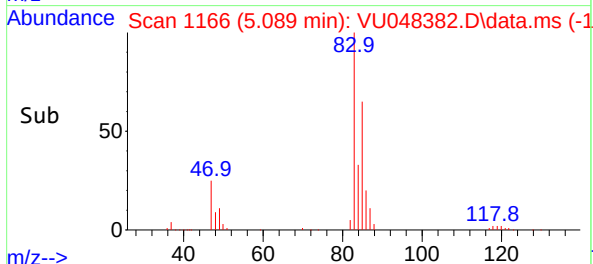
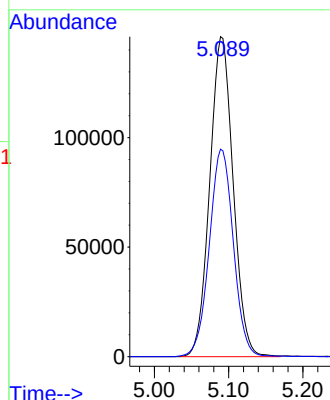
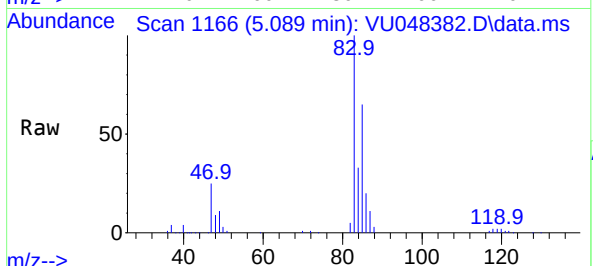
ClientSampleId :

Tgt Ion: 83 Resp: 319827

Ion Ratio Lower Upper

83 100

85 64.8 45.7 84.9



#27

1,2-Dichloroethane

Concen: 48.902 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU048382.D

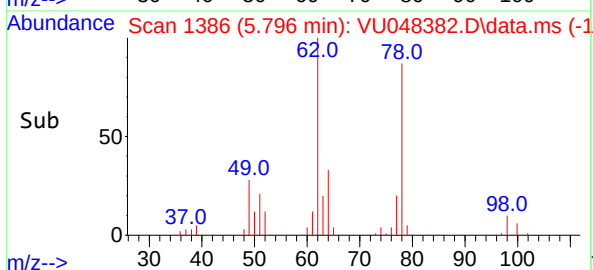
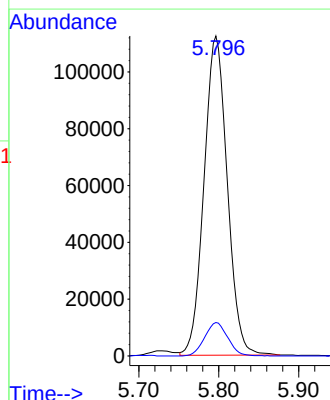
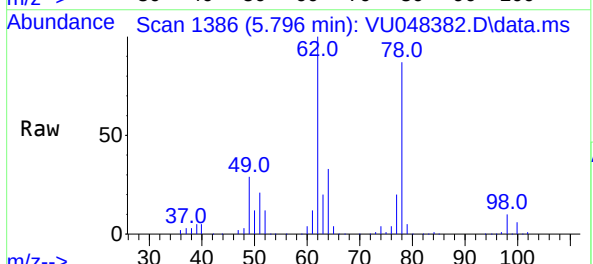
Acq: 03 May 2022 09:38

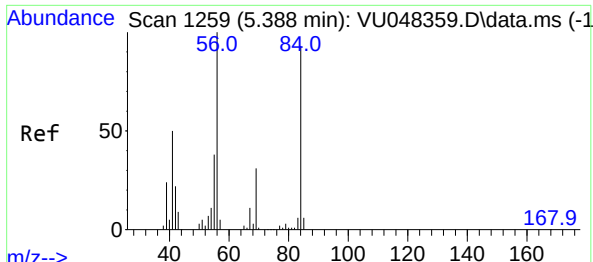
Tgt Ion: 62 Resp: 227116

Ion Ratio Lower Upper

62 100

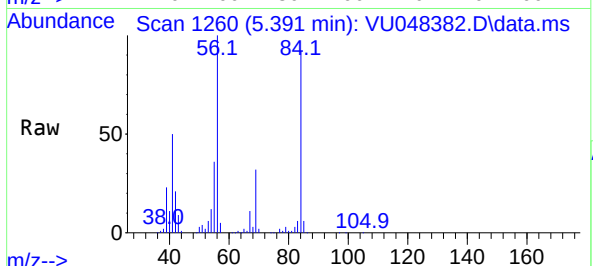
98 10.5 8.5 12.7



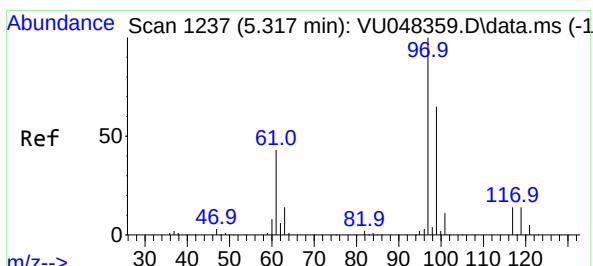
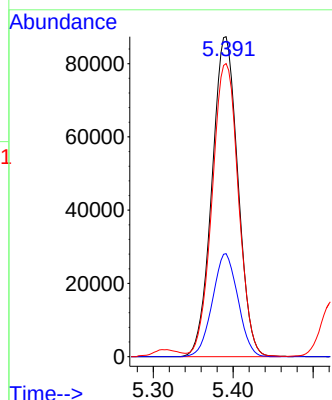
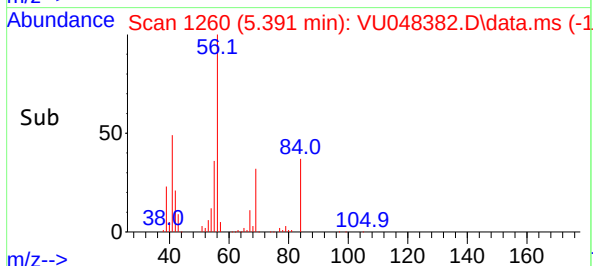


#29  
Cyclohexane  
Concen: 47.045 ug/L  
RT: 5.391 min Scan# 1260  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Instrument :  
MSVOA\_U  
ClientSampleId :

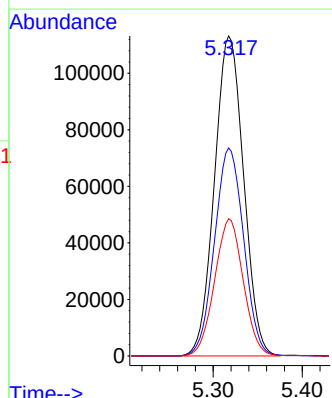
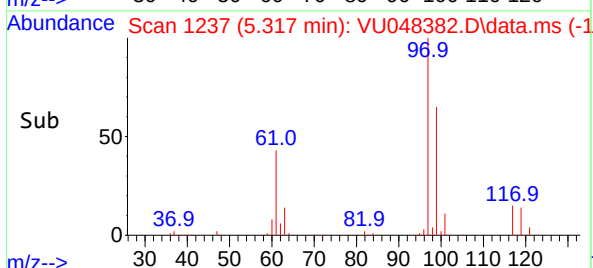
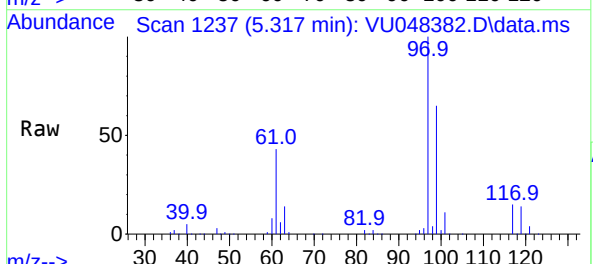


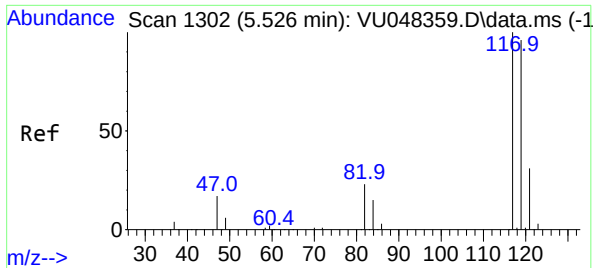
Tgt Ion: 56 Resp: 196418  
Ion Ratio Lower Upper  
56 100  
69 31.7 24.2 36.4  
84 93.1 72.2 108.2



#30  
1,1,1-Trichloroethane  
Concen: 51.581 ug/L  
RT: 5.317 min Scan# 1237  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion: 97 Resp: 257755  
Ion Ratio Lower Upper  
97 100  
99 65.0 51.8 77.8  
61 42.1 33.9 50.9

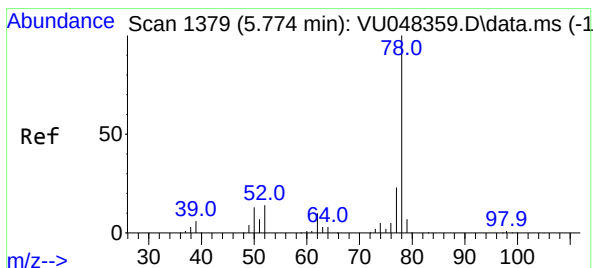
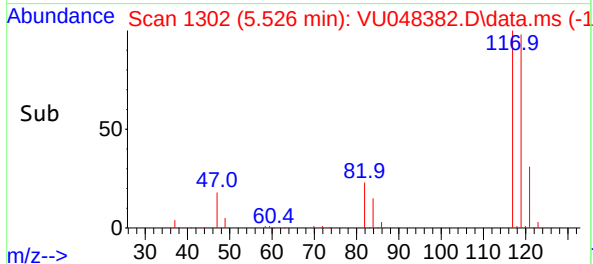
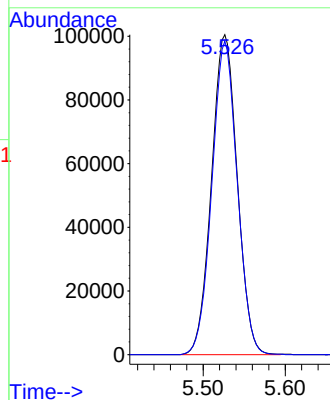
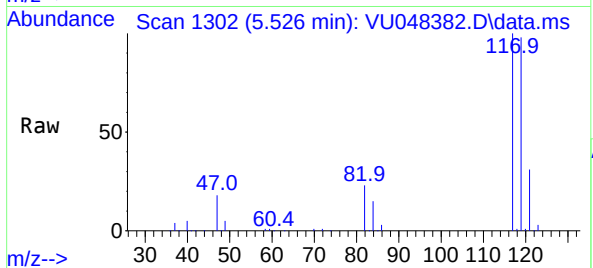




#31  
Carbon tetrachloride  
Concen: 51.481 ug/L  
RT: 5.526 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

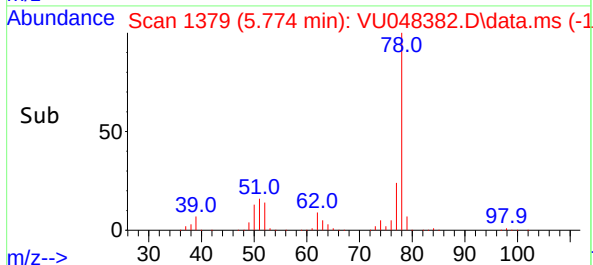
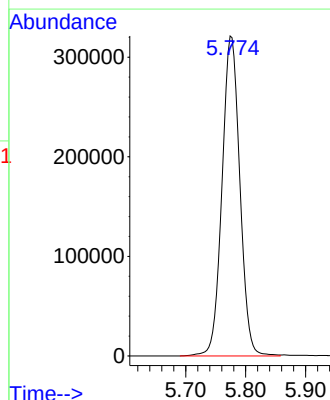
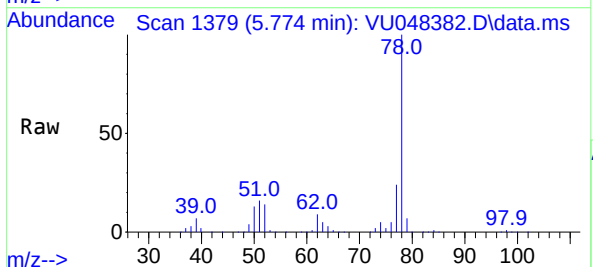
Instrument :  
MSVOA\_U  
ClientSampleId :

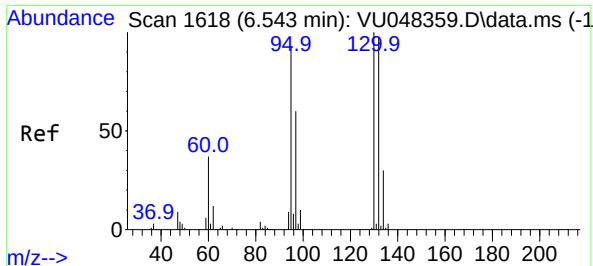
Tgt Ion:117 Resp: 219263  
Ion Ratio Lower Upper  
117 100  
119 96.4 77.1 115.7



#33  
Benzene  
Concen: 50.540 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion: 78 Resp: 661222





#34

Trichloroethene

Concen: 50.887 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048382.D

Acq: 03 May 2022 09:38

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 95 Resp: 163185

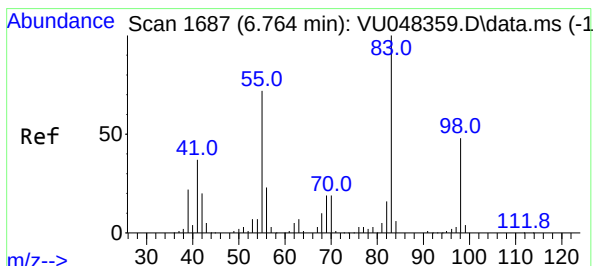
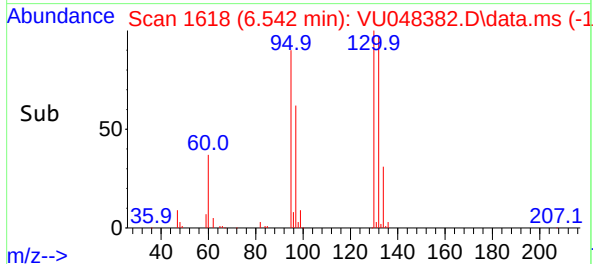
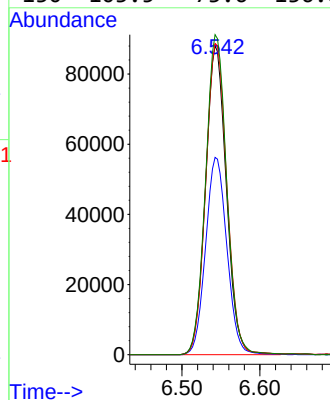
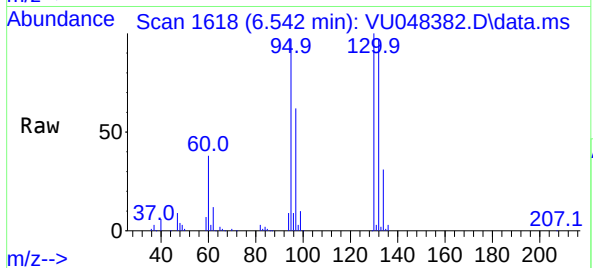
Ion Ratio Lower Upper

95 100

97 63.8 45.8 85.2

132 100.7 71.6 133.0

130 103.5 73.6 136.8



#35

Methylcyclohexane

Concen: 50.226 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. -0.000 min

Lab File: VU048382.D

Acq: 03 May 2022 09:38

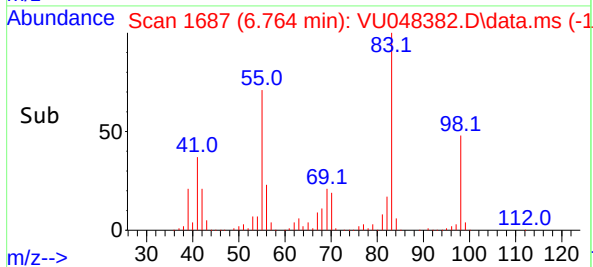
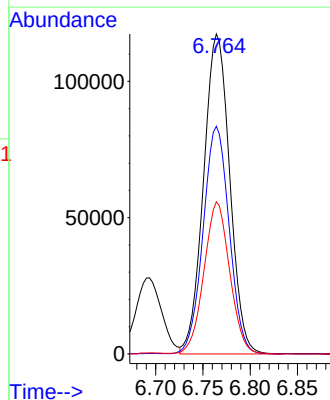
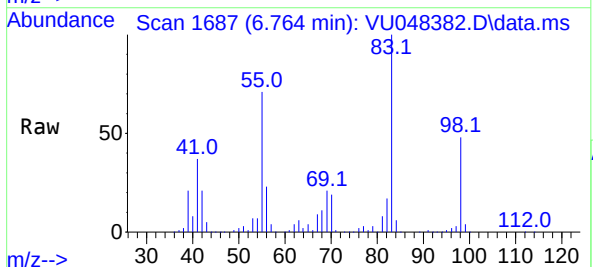
Tgt Ion: 83 Resp: 226129

Ion Ratio Lower Upper

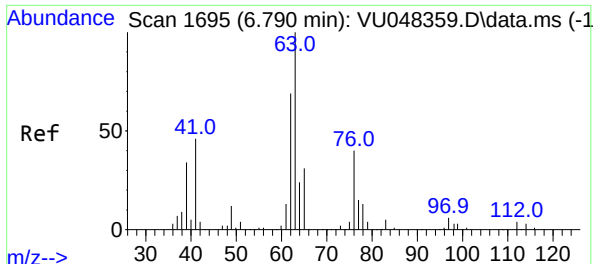
83 100

55 70.9 59.4 89.2

98 46.8 37.3 55.9



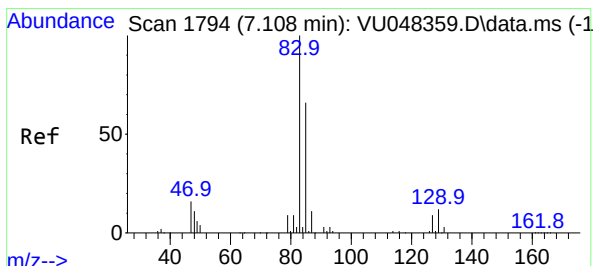
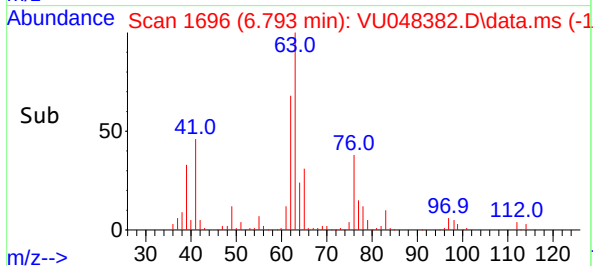
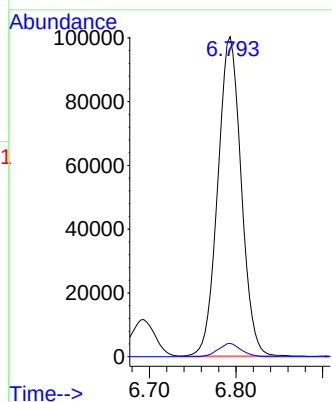
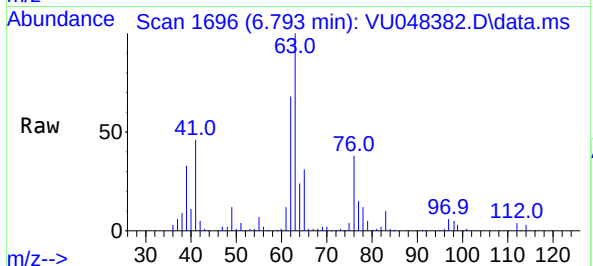




#37  
1,2-Dichloropropane  
Concen: 50.479 ug/L  
RT: 6.793 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

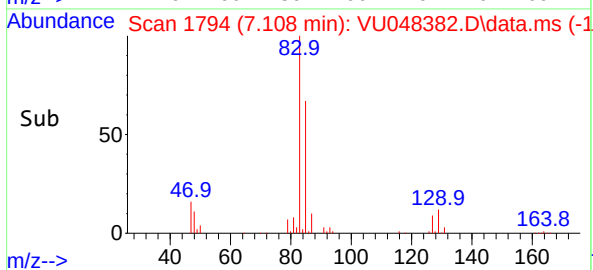
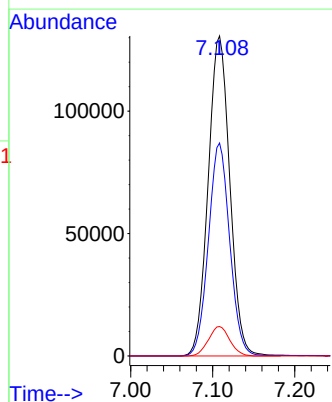
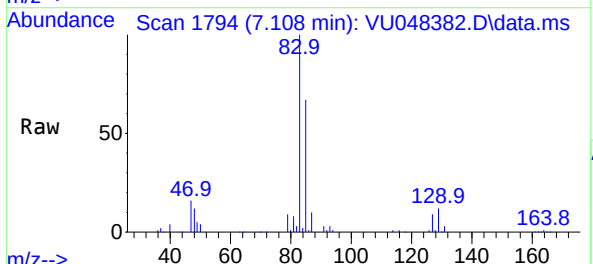
Instrument :  
MSVOA\_U  
ClientSampleId :

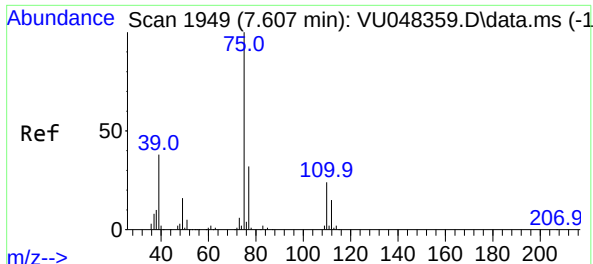
Tgt Ion: 63 Resp: 187902  
Ion Ratio Lower Upper  
63 100  
112 4.0 3.1 4.7



#38  
Bromodichloromethane  
Concen: 51.025 ug/L  
RT: 7.108 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion: 83 Resp: 239863  
Ion Ratio Lower Upper  
83 100  
85 66.5 45.3 84.1  
127 9.2 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 51.928 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU048382.D

Acq: 03 May 2022 09:38

Instrument :

MSVOA\_U

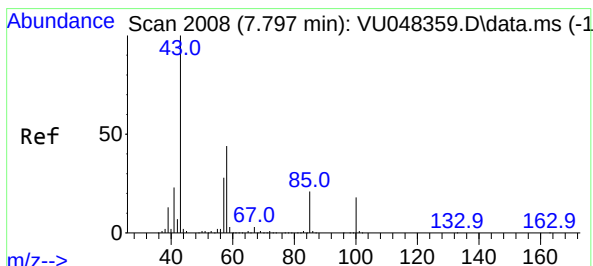
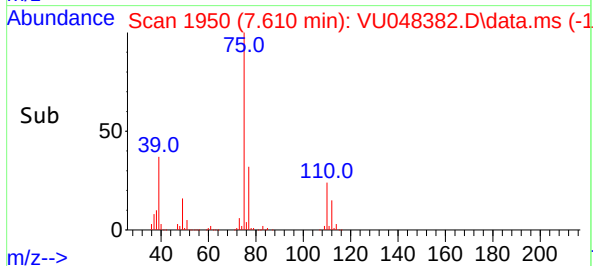
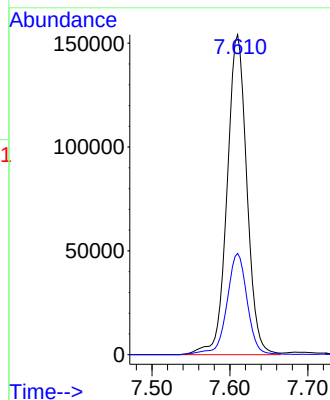
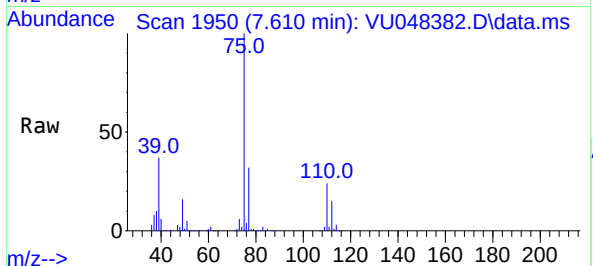
ClientSampleId :

Tgt Ion: 75 Resp: 271806

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 100.294 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. -0.000 min

Lab File: VU048382.D

Acq: 03 May 2022 09:38

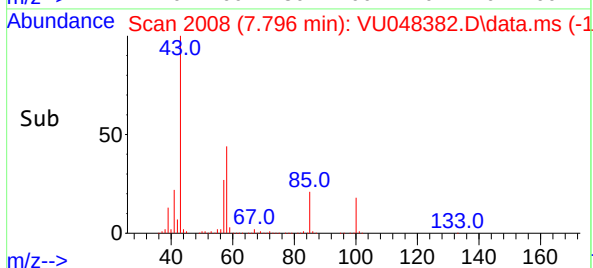
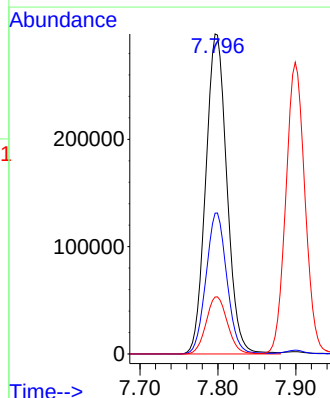
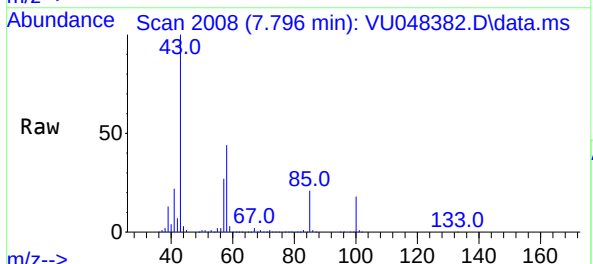
Tgt Ion: 43 Resp: 563082

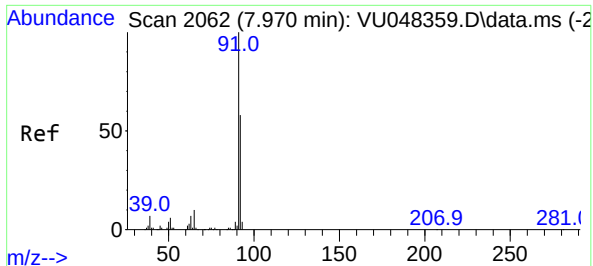
Ion Ratio Lower Upper

43 100

58 43.6 34.4 51.6

100 17.9 13.6 20.4





#42

Toluene

Concen: 52.400 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048382.D

Acq: 03 May 2022 09:38

Instrument :

MSVOA\_U

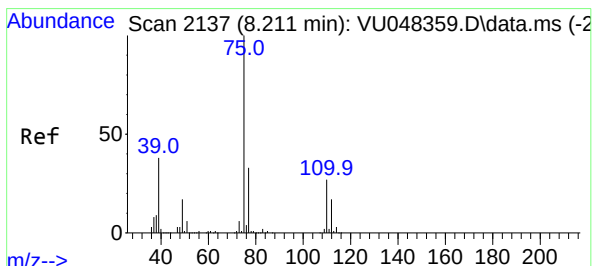
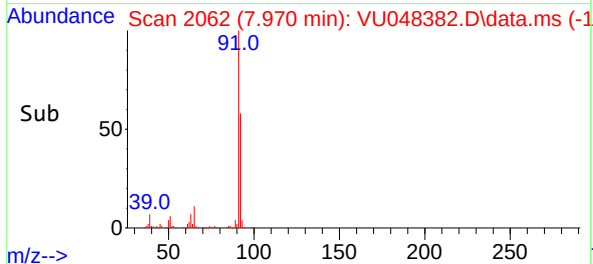
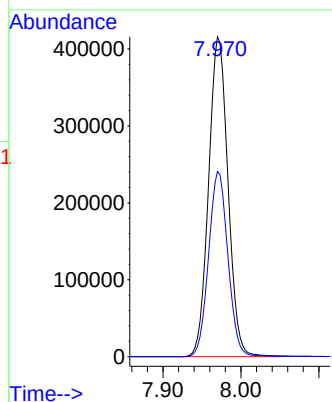
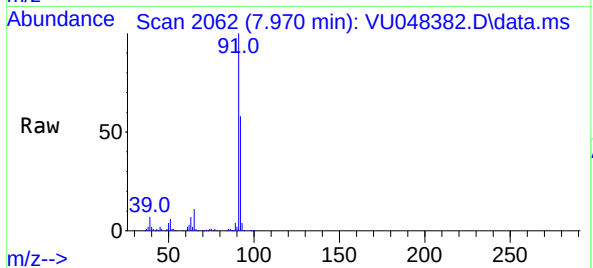
ClientSampleId :

Tgt Ion: 91 Resp: 719767

Ion Ratio Lower Upper

91 100

92 57.9 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 51.533 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048382.D

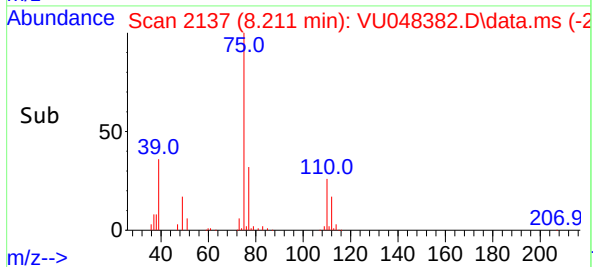
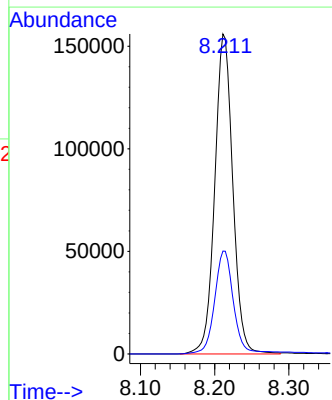
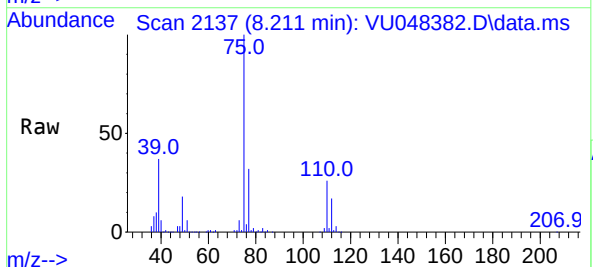
Acq: 03 May 2022 09:38

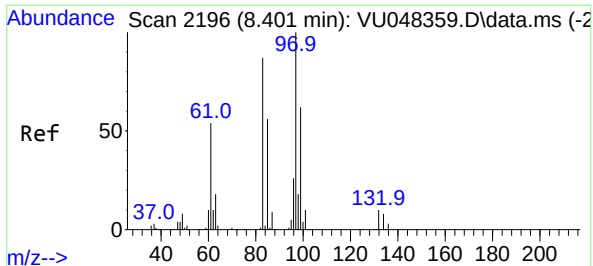
Tgt Ion: 75 Resp: 263515

Ion Ratio Lower Upper

75 100

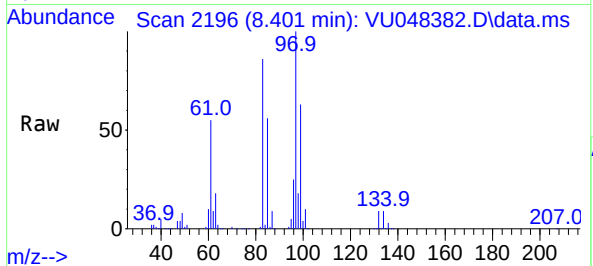
77 32.2 22.1 41.1





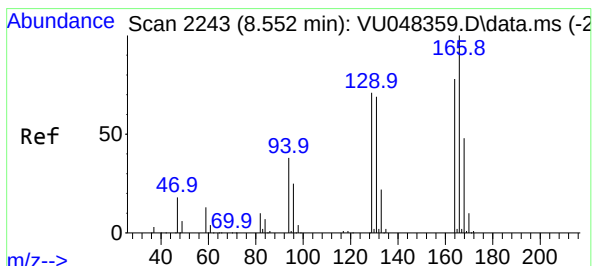
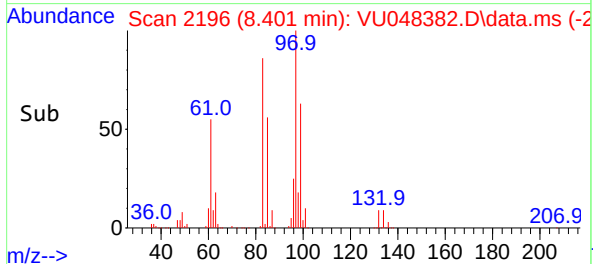
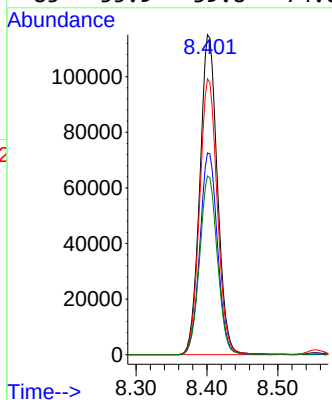
#45  
1,1,2-Trichloroethane  
Concen: 50.721 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 97 Resp: 198085

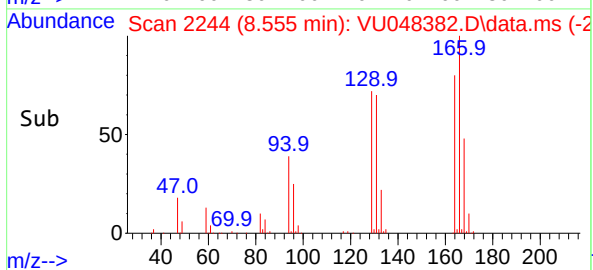
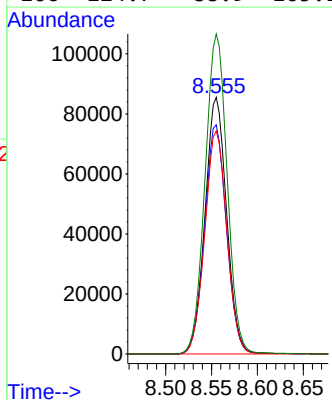
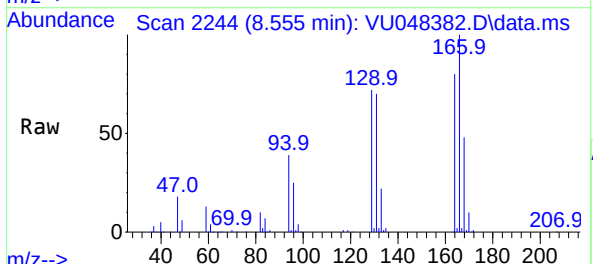
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.1  | 43.7  | 81.1  |
| 83  | 86.2  | 62.6  | 116.2 |
| 85  | 55.9  | 39.8  | 74.0  |

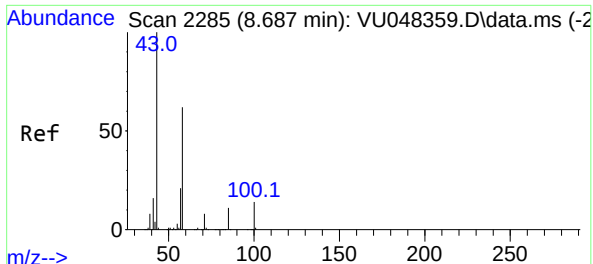


#46  
Tetrachloroethene  
Concen: 51.042 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion: 164 Resp: 140480

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 89.3  | 63.3  | 117.7 |
| 131 | 86.9  | 61.2  | 113.6 |
| 166 | 124.7 | 88.9  | 165.1 |



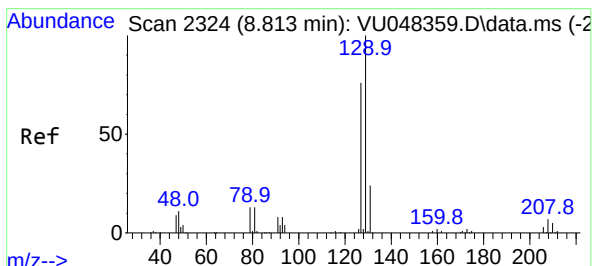
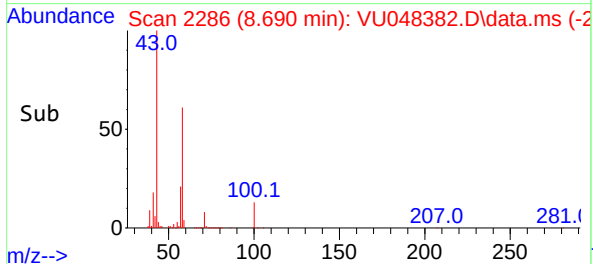
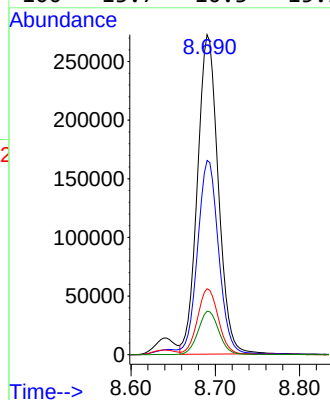
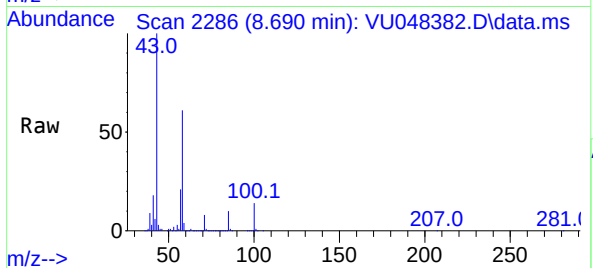


#48  
2-Hexanone  
Concen: 100.002 ug/L  
RT: 8.690 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 43 Resp: 468844

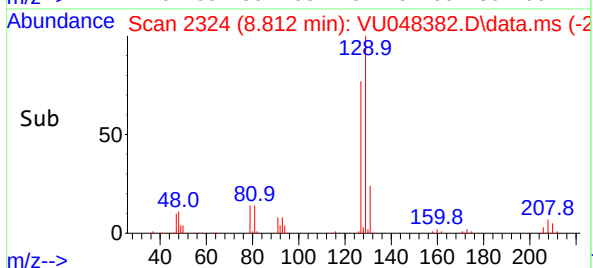
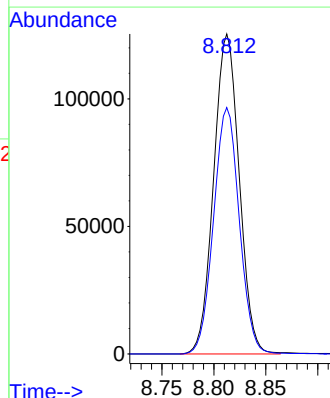
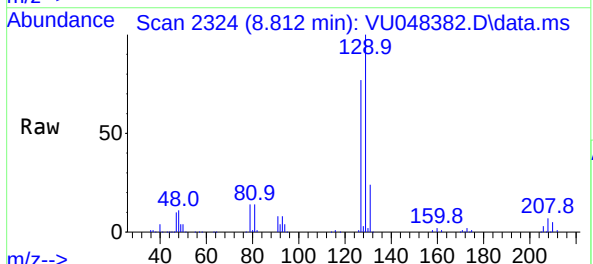
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 61.3  | 48.1  | 72.1  |
| 57  | 20.8  | 16.2  | 24.4  |
| 100 | 13.7  | 10.3  | 15.5  |

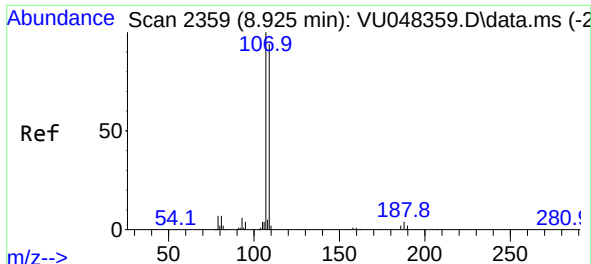


#49  
Dibromochloromethane  
Concen: 50.109 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion: 129 Resp: 215044

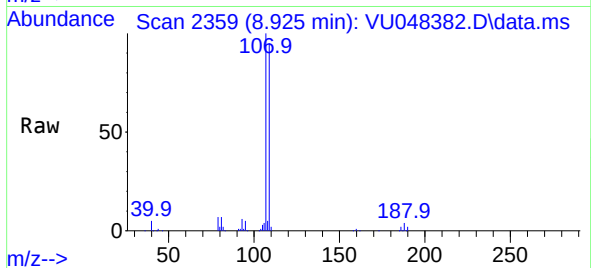
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.0  | 53.8  | 99.8  |



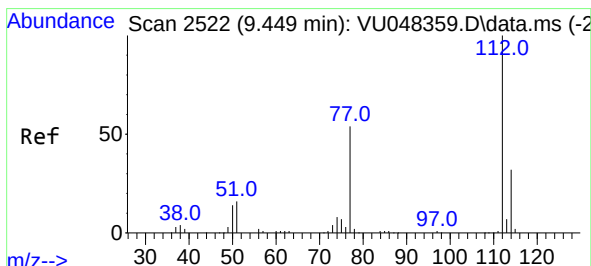
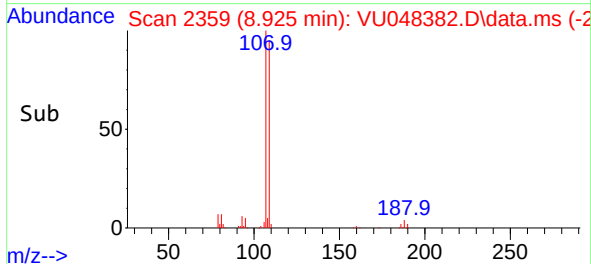
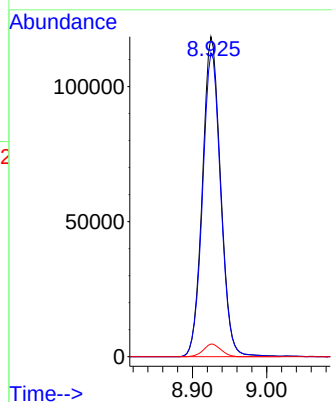


#50  
1,2-Dibromoethane  
Concen: 50.892 ug/L  
RT: 8.925 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Instrument :  
MSVOA\_U  
ClientSampleId :

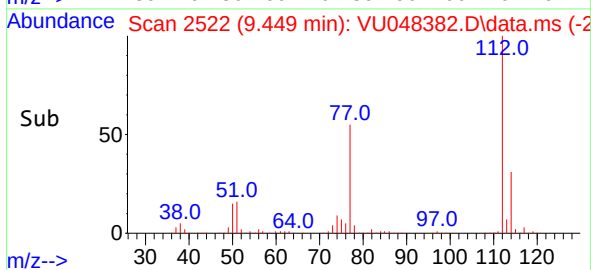
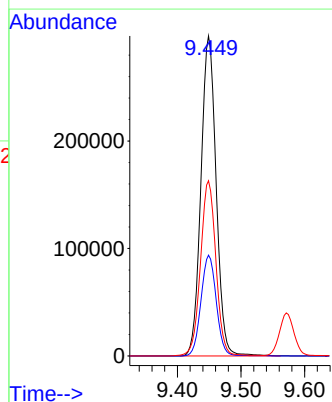
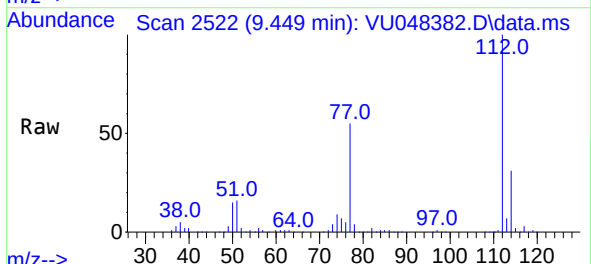


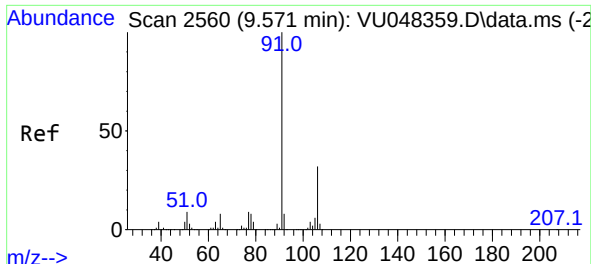
Tgt Ion:107 Resp: 201556  
Ion Ratio Lower Upper  
107 100  
109 94.9 65.0 120.8  
188 3.9 3.1 4.7



#51  
Chlorobenzene  
Concen: 50.003 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion:112 Resp: 495083  
Ion Ratio Lower Upper  
112 100  
114 31.5 22.7 42.1  
77 54.8 44.3 66.5

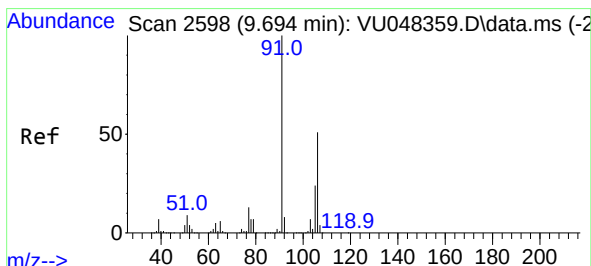
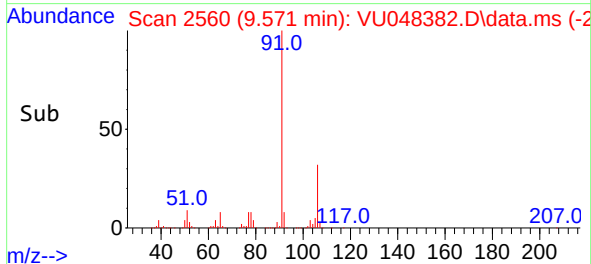
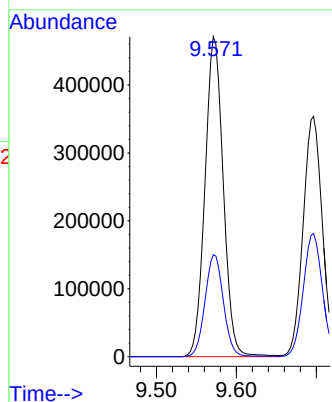
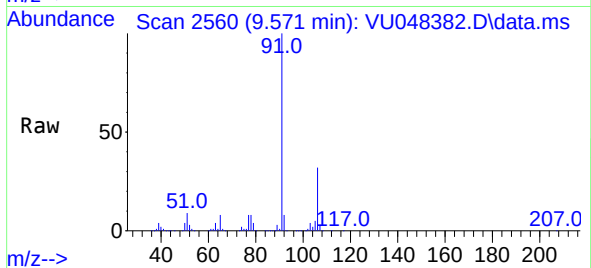




#52  
Ethylbenzene  
Concen: 52.824 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

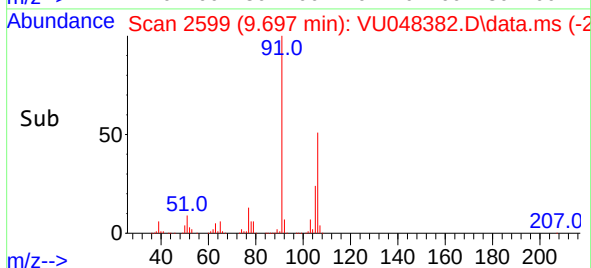
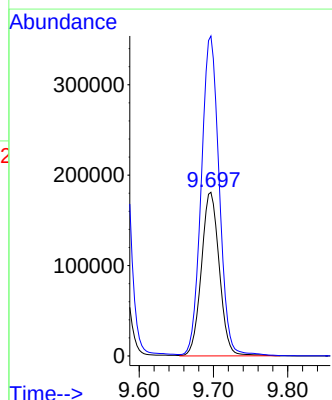
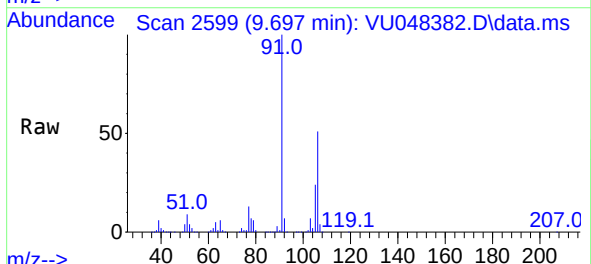
Instrument :  
MSVOA\_U  
ClientSampleId :

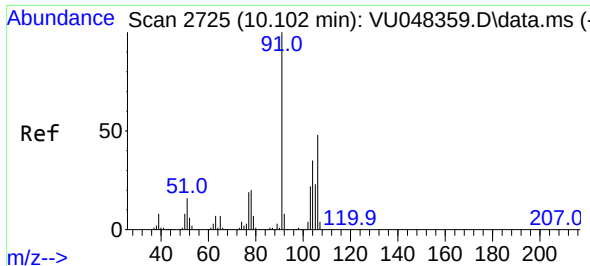
Tgt Ion: 91 Resp: 751445  
Ion Ratio Lower Upper  
91 100  
106 31.9 22.5 41.9



#53  
m,p-Xylene  
Concen: 53.995 ug/L  
RT: 9.697 min Scan# 2599  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion: 106 Resp: 303107  
Ion Ratio Lower Upper  
106 100  
91 195.4 137.4 255.2

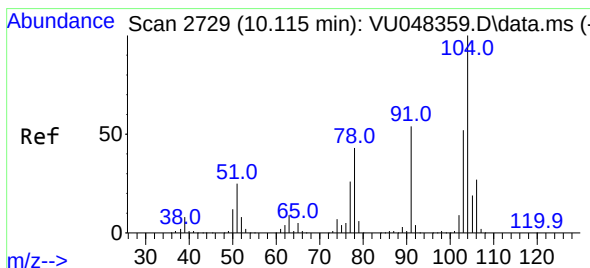
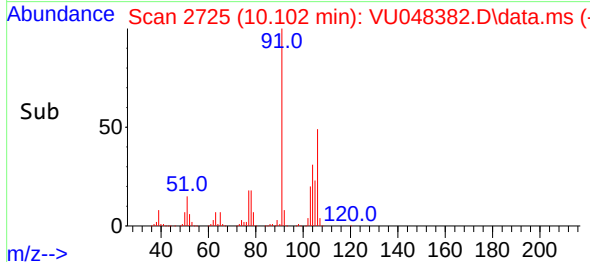
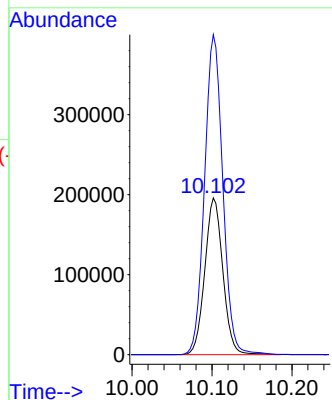
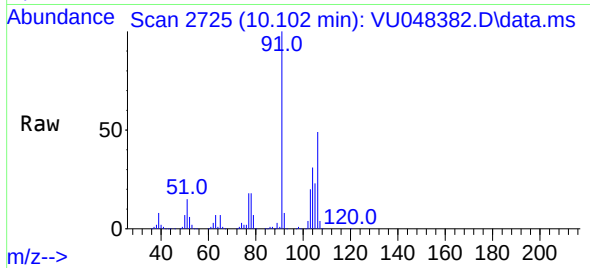




#54  
o-Xylene  
Concen: 54.505 ug/L  
RT: 10.102 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

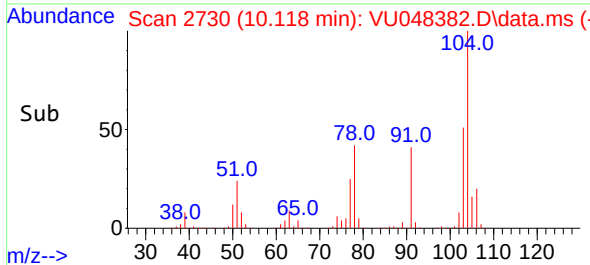
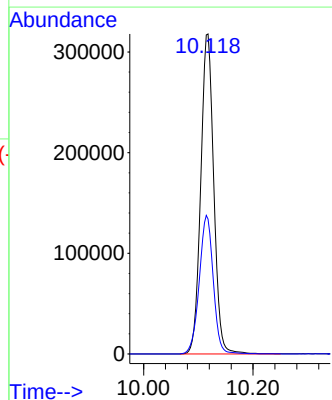
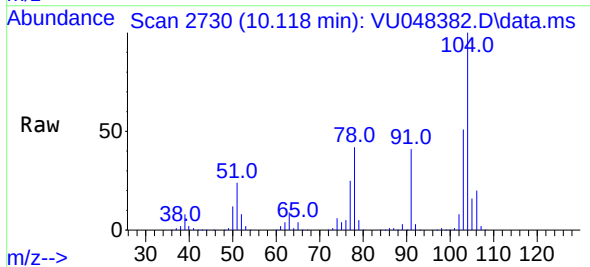
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:106 Resp: 308238  
Ion Ratio Lower Upper  
106 100  
91 204.0 145.3 269.8

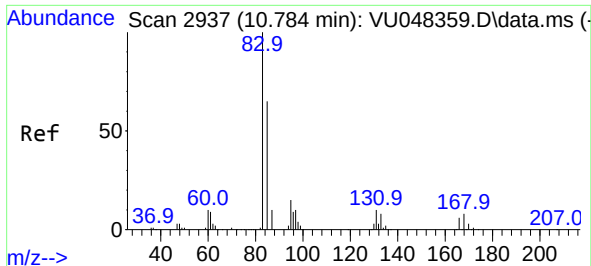


#55  
Styrene  
Concen: 54.497 ug/L  
RT: 10.118 min Scan# 2730  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion:104 Resp: 525031  
Ion Ratio Lower Upper  
104 100  
78 42.2 30.3 56.3







#57

1,1,2-Tetrachloroethane

Concen: 48.384 ug/L

RT: 10.787 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VU048382.D

Acq: 03 May 2022 09:38

Instrument :

MSVOA\_U

ClientSampleId :

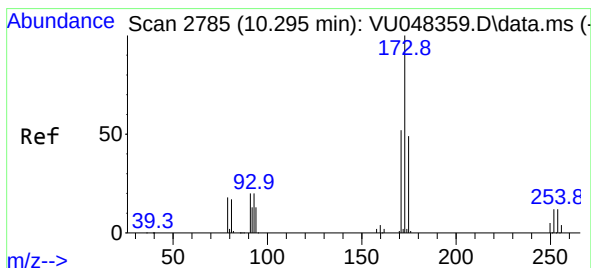
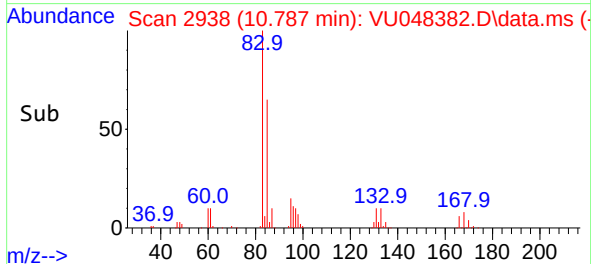
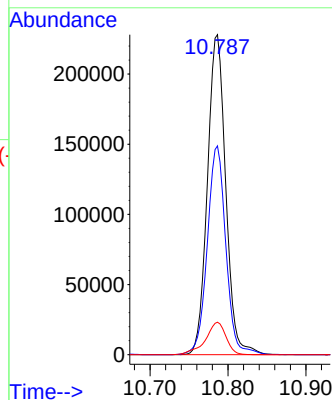
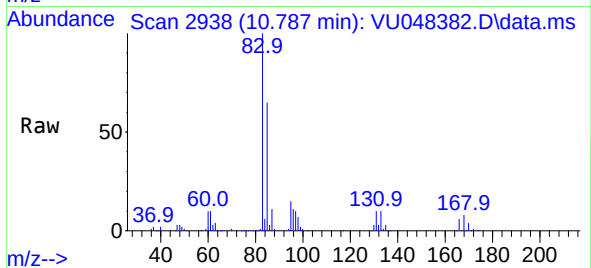
Tgt Ion: 83 Resp: 372933

Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.7

131 10.2 7.8 11.6



#59

Bromoform

Concen: 50.016 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. -0.000 min

Lab File: VU048382.D

Acq: 03 May 2022 09:38

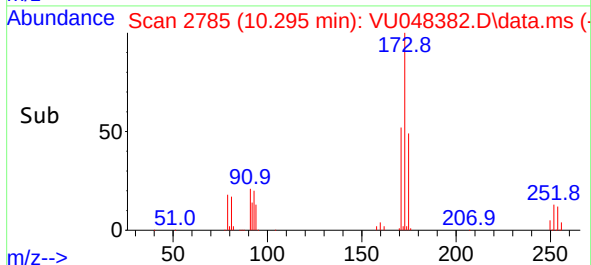
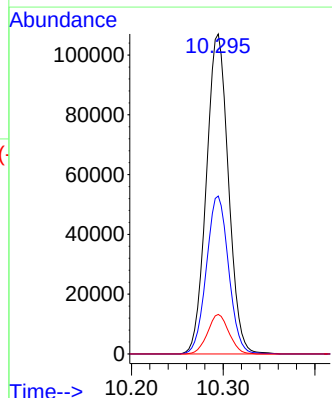
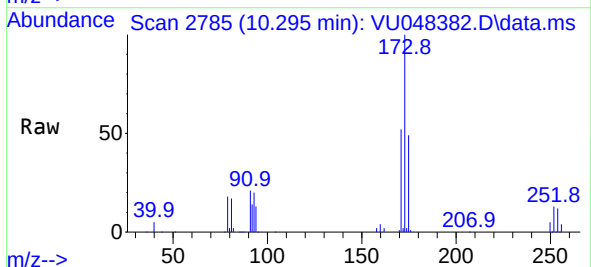
Tgt Ion:173 Resp: 179114

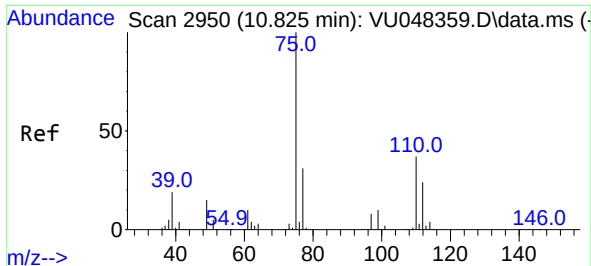
Ion Ratio Lower Upper

173 100

175 49.7 38.9 58.3

254 11.9 9.5 14.3

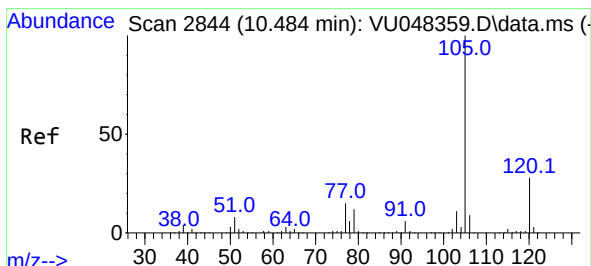
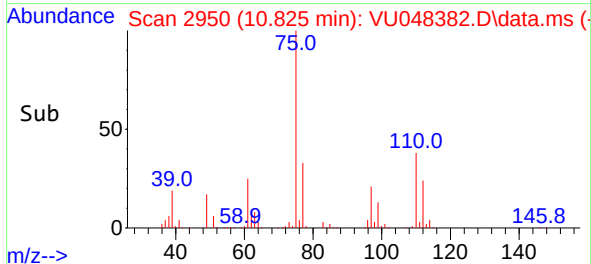
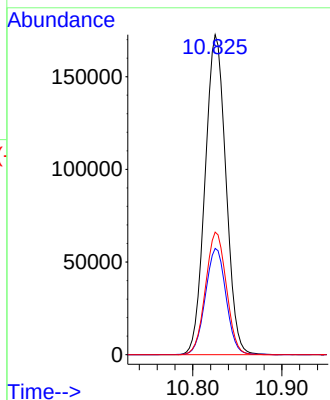
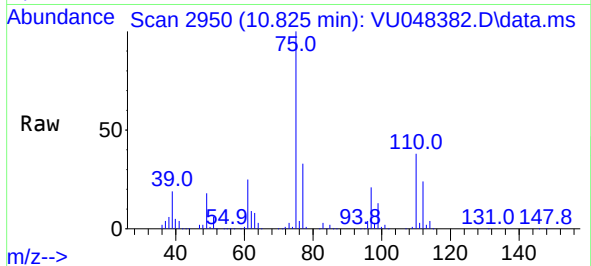




#60  
1,2,3-Trichloropropane  
Concen: 48.660 ug/L  
RT: 10.825 min Scan# 2950  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

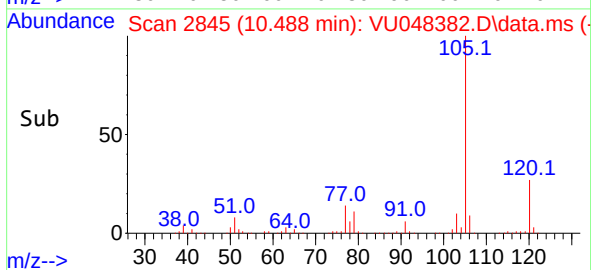
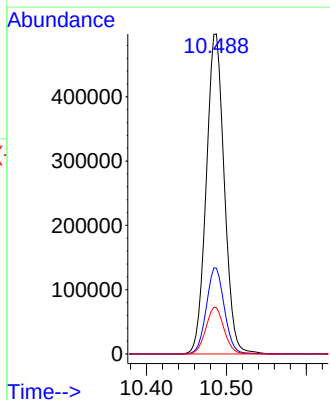
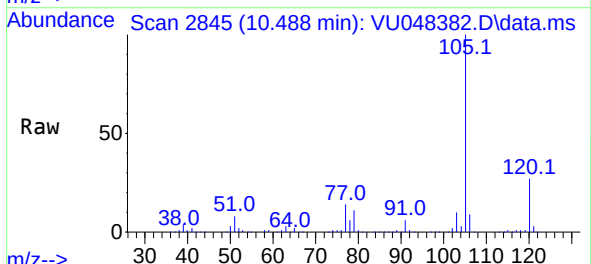
Instrument :  
MSVOA\_U  
ClientSampleId :

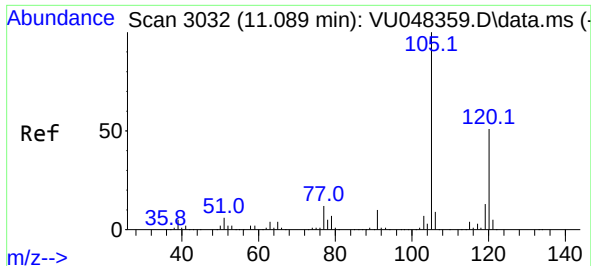
Tgt Ion: 75 Resp: 280113  
Ion Ratio Lower Upper  
75 100  
77 33.0 25.8 38.8  
110 38.3 29.9 44.9



#61  
Isopropylbenzene  
Concen: 56.617 ug/L  
RT: 10.488 min Scan# 2845  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion:105 Resp: 781141  
Ion Ratio Lower Upper  
105 100  
120 26.9 21.7 32.5  
77 14.7 11.7 17.5

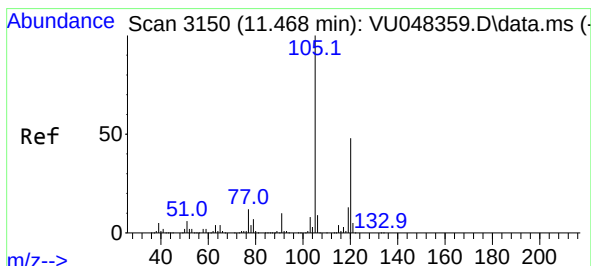
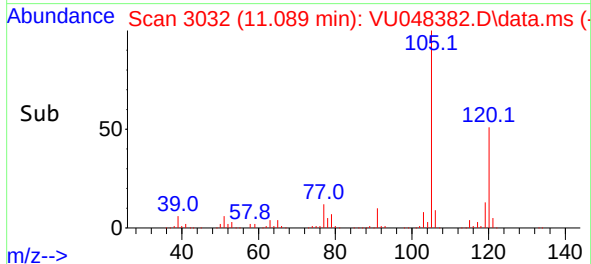
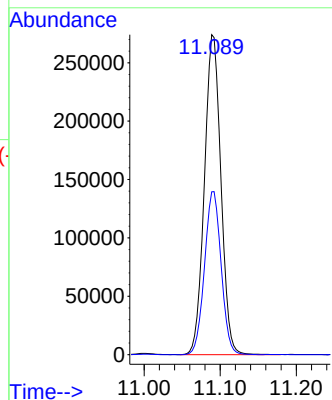
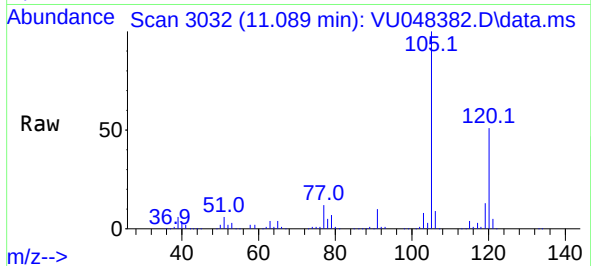




#62  
1,3,5-Trimethylbenzene  
Concen: 56.900 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

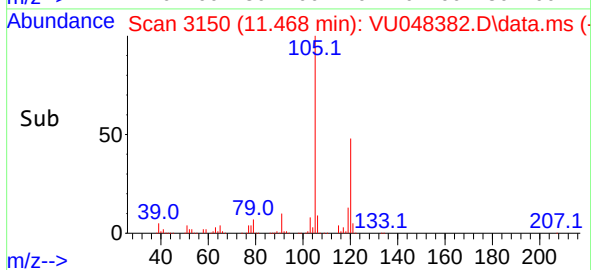
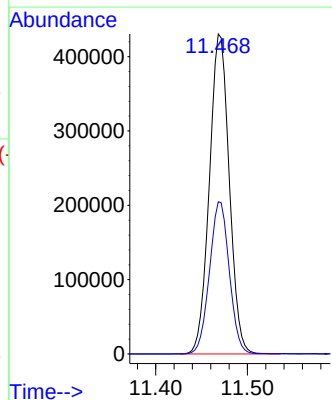
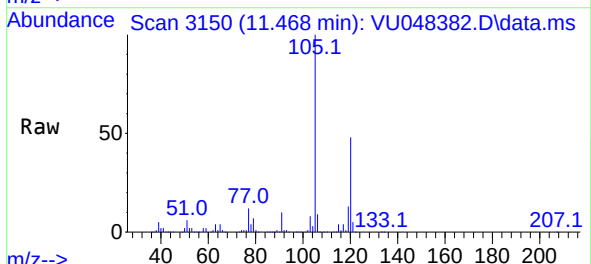
Instrument :  
MSVOA\_U  
ClientSampleId :

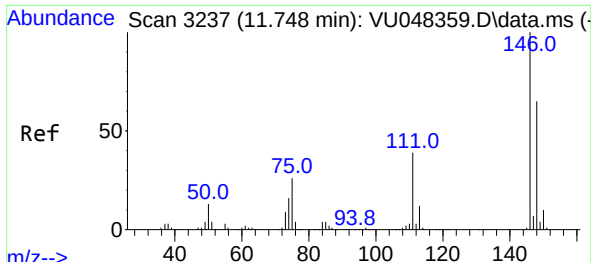
Tgt Ion:105 Resp: 413772  
Ion Ratio Lower Upper  
105 100  
120 51.2 40.7 61.1



#63  
1,2,4-Trimethylbenzene  
Concen: 58.053 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

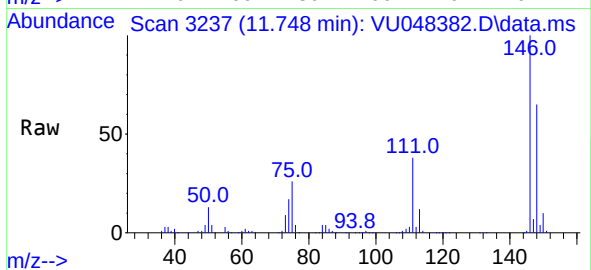
Tgt Ion:105 Resp: 649041  
Ion Ratio Lower Upper  
105 100  
120 47.3 38.0 57.0



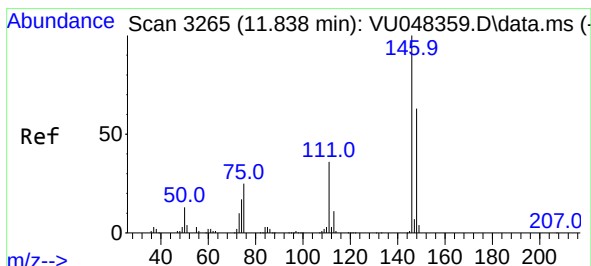
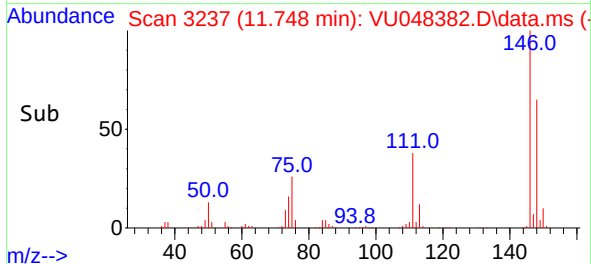
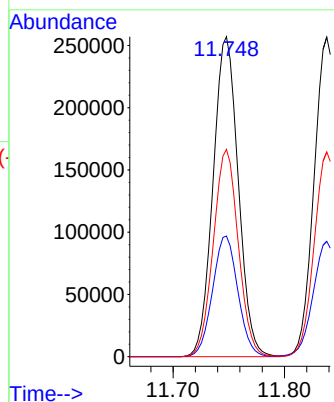


#64  
1,3-Dichlorobenzene  
Concen: 52.212 ug/L  
RT: 11.748 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Instrument :  
MSVOA\_U  
ClientSampleId :

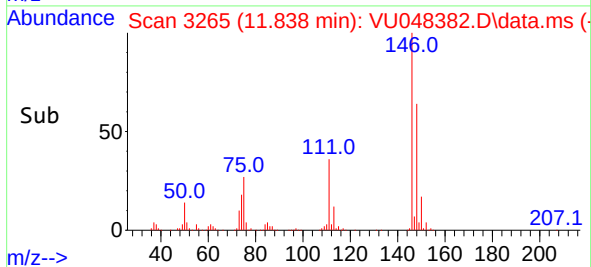
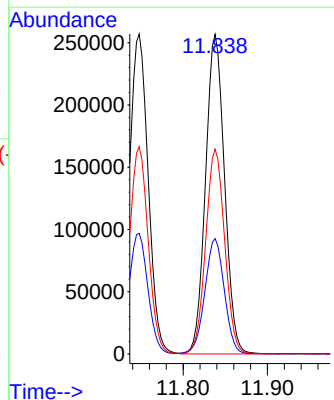
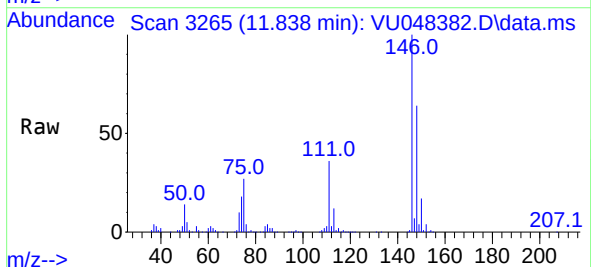


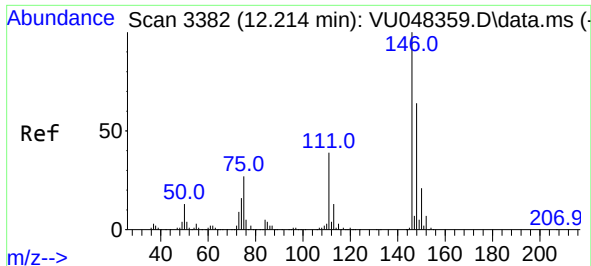
Tgt Ion:146 Resp: 403869  
Ion Ratio Lower Upper  
146 100  
111 37.7 26.7 49.7  
148 64.8 44.9 83.5



#65  
1,4-Dichlorobenzene  
Concen: 51.084 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion:146 Resp: 403401  
Ion Ratio Lower Upper  
146 100  
111 36.1 25.9 48.1  
148 64.1 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 51.490 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

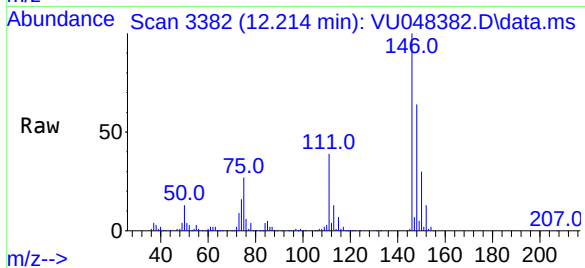
Lab File: VU048382.D

Acq: 03 May 2022 09:38

Instrument :

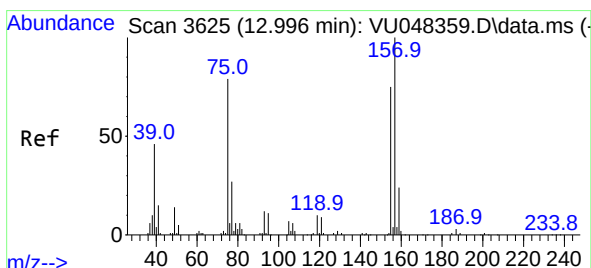
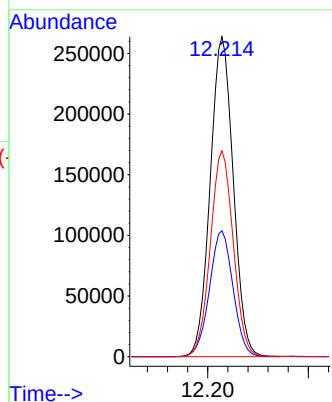
MSVOA\_U

ClientSampleId :



Tgt Ion:146 Resp: 419568

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 39.3  | 31.7  | 47.5  |
| 148 | 64.3  | 50.9  | 76.3  |



#68

1,2-Dibromo-3-chloropropane

Concen: 48.290 ug/L

RT: 12.999 min Scan# 3626

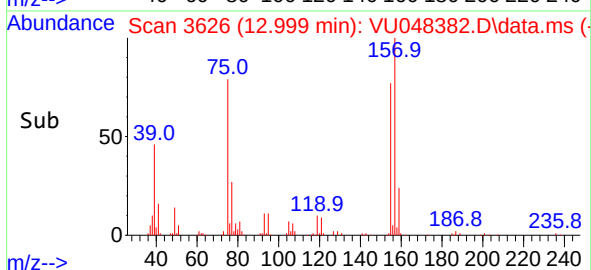
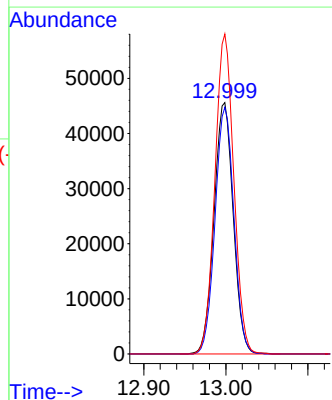
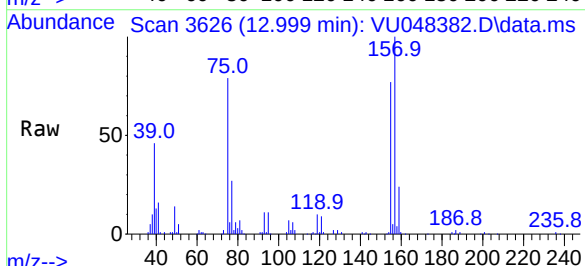
Delta R.T. 0.003 min

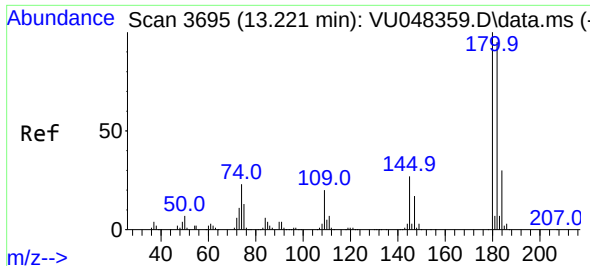
Lab File: VU048382.D

Acq: 03 May 2022 09:38

Tgt Ion: 75 Resp: 74209

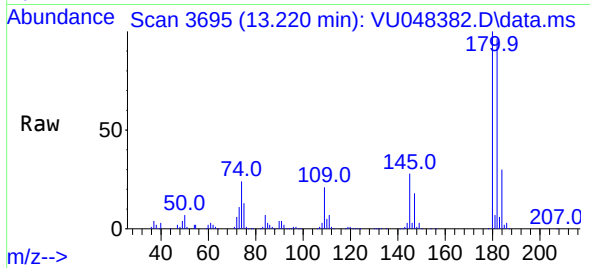
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 98.1  | 71.8  | 107.6 |
| 157 | 127.3 | 93.4  | 140.2 |



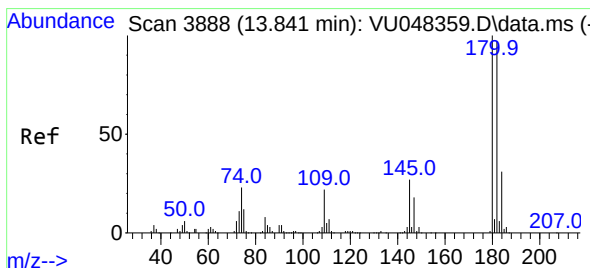
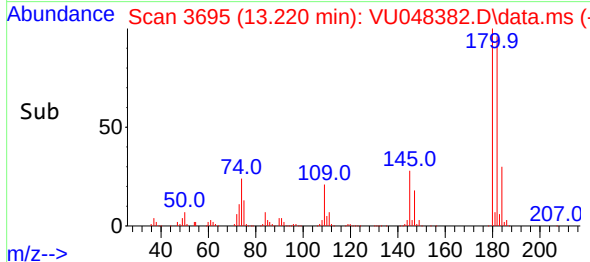
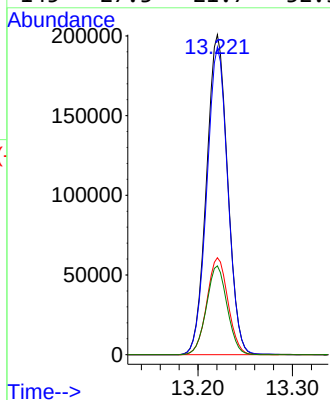


#69  
 1,3,5-Trichlorobenzene  
 Concen: 54.099 ug/L  
 RT: 13.220 min Scan# 3695  
 Delta R.T. -0.000 min  
 Lab File: VU048382.D  
 Acq: 03 May 2022 09:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :

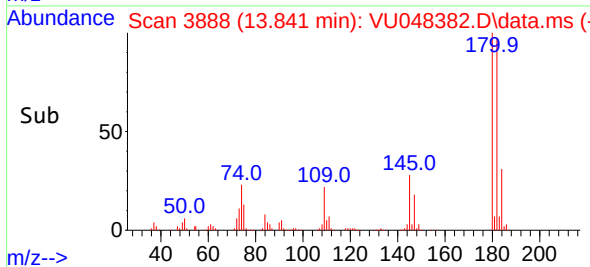
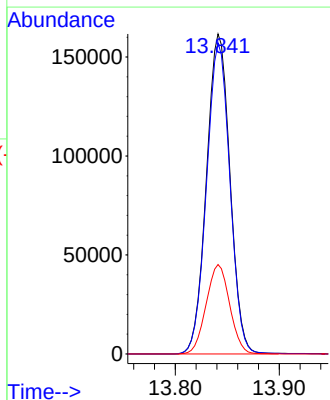
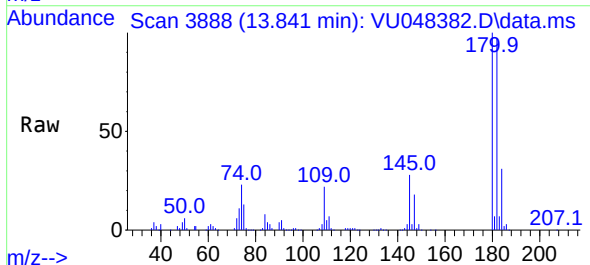


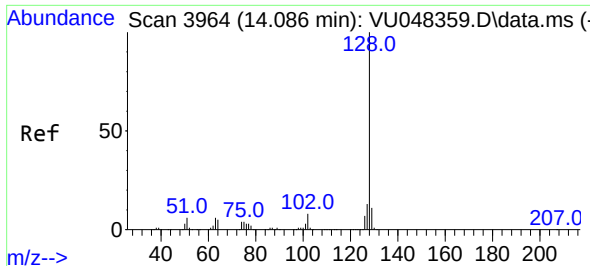
Tgt Ion:180 Resp: 310948  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 77.0 115.4  
 184 30.4 24.6 37.0  
 145 27.3 21.7 32.5



#70  
 1,2,4-trichlorobenzene  
 Concen: 56.021 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. -0.000 min  
 Lab File: VU048382.D  
 Acq: 03 May 2022 09:38

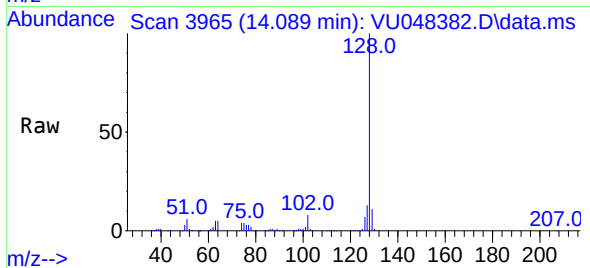
Tgt Ion:180 Resp: 254384  
 Ion Ratio Lower Upper  
 180 100  
 182 96.4 76.3 114.5  
 145 27.9 22.6 33.8



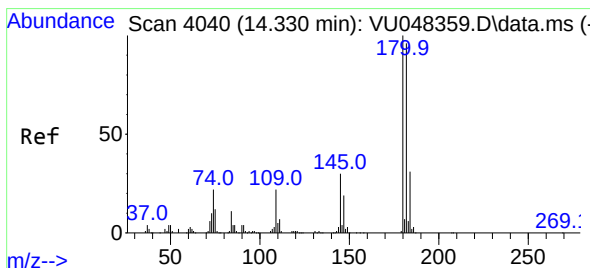
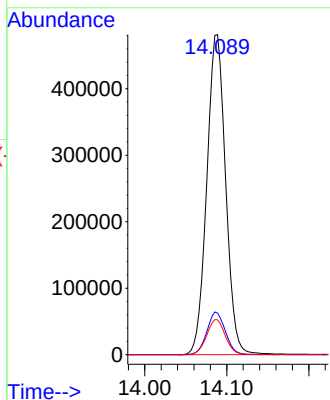


#71  
Naphthalene  
Concen: 59.146 ug/L  
RT: 14.089 min Scan# 3964  
Delta R.T. 0.003 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 768603  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.4 15.6  
129 10.9 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 58.115 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU048382.D  
Acq: 03 May 2022 09:38

Tgt Ion:180 Resp: 270445  
Ion Ratio Lower Upper  
180 100  
182 96.0 75.8 113.6  
145 29.2 23.5 35.3

