

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU053122\  
 Data File : VU048731.D  
 Acq On : 31 May 2022 11:00  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jun 01 02:12:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.375  | 168   | 254568   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.250  | 114   | 418643   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.417  | 117   | 372542   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.812 | 152   | 206256   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.703  | 65    | 187490   | 49.041   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 98.080%  |
| 35) Dibromofluoromethane     | 5.288  | 113   | 146084   | 48.912   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 97.820%  |
| 50) Toluene-d8               | 7.899  | 98    | 526660   | 49.192   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 98.380%  |
| 62) 4-Bromofluorobenzene     | 10.632 | 95    | 197449   | 48.765   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 97.520%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.385  | 85    | 132107   | 45.331   | ug/l   | 99       |
| 3) Chloromethane             | 1.520  | 50    | 163503   | 43.583   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.604  | 62    | 164573   | 47.364   | ug/l   | 97       |
| 5) Bromomethane              | 1.845  | 94    | 114013   | 59.853   | ug/l   | 99       |
| 6) Chloroethane              | 1.928  | 64    | 97072    | 50.926   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 2.134  | 101   | 227911   | 45.927   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.375  | 74    | 88638    | 48.403   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.578  | 101   | 132993   | 48.959   | ug/l   | 96       |
| 10) Methyl Iodide            | 2.719  | 142   | 166091   | 41.694   | ug/l   | 97       |
| 11) Tert butyl alcohol       | 3.182  | 59    | 238601   | 246.166  | ug/l # | 42       |
| 12) 1,1-Dichloroethene       | 2.578  | 96    | 125517   | 48.444   | ug/l   | 97       |
| 13) Acrolein                 | 2.485  | 56    | 49674    | 153.002  | ug/l   | 98       |
| 14) Allyl chloride           | 2.922  | 41    | 256773   | 51.167   | ug/l   | 97       |
| 15) Acrylonitrile            | 3.311  | 53    | 551156   | 262.184  | ug/l   | 99       |
| 16) Acetone                  | 2.623  | 43    | 464082   | 238.191  | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.790  | 76    | 345725   | 45.709   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.948  | 43    | 244748   | 50.032   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.363  | 73    | 500239   | 50.883   | ug/l   | 98       |
| 20) Methylene Chloride       | 3.044  | 84    | 154572   | 46.653   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.353  | 96    | 136322   | 45.996   | ug/l   | 92       |
| 22) Diisopropyl ether        | 3.993  | 45    | 502481   | 54.282   | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.954  | 43    | 2196661  | 273.888  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.867  | 63    | 279867   | 48.138   | ug/l   | 100      |
| 25) 2-Butanone               | 4.700  | 43    | 740561   | 264.581  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.665  | 77    | 242093   | 46.415   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.668  | 96    | 165943   | 48.372   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.973  | 49    | 115915   | 50.831   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.051  | 42    | 479986   | 272.245  | ug/l   | 98       |
| 30) Chloroform               | 5.089  | 83    | 288156   | 49.535   | ug/l   | 100      |
| 31) Cyclohexane              | 5.388  | 56    | 239719   | 49.755   | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 5.317  | 97    | 246339   | 46.676   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.526  | 75    | 206531   | 47.380   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.803  | 43    | 273833   | 49.692   | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.526  | 117   | 222097   | 44.411   | ug/l   | 99       |
| 39) Methylcyclohexane        | 6.764  | 83    | 232238   | 50.812   | ug/l   | 99       |
| 40) Benzene                  | 5.774  | 78    | 599538   | 46.587   | 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 :  
 VSTDCCC050

Quant Time: Jun 01 02:12:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.970  | 41   | 148039   | 53.162   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 5.797  | 62   | 227271   | 45.115   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.912  | 43   | 405961   | 50.757   | ug/l   | 100      |
| 44) Trichloroethene           | 6.542  | 130  | 148471   | 44.781   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 6.793  | 63   | 170837   | 52.730   | ug/l   | 100      |
| 46) Dibromomethane            | 6.919  | 93   | 114499   | 47.304   | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.105  | 83   | 234599   | 47.927   | ug/l   | 100      |
| 48) Methyl methacrylate       | 6.960  | 41   | 191593   | 53.360   | ug/l   | 99       |
| 49) 1,4-Dioxane               | 6.970  | 88   | 87436    | 1089.347 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 1402889  | 270.130  | ug/l   | 99       |
| 52) Toluene                   | 7.970  | 92   | 373186   | 48.481   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.211  | 75   | 254111   | 48.125   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.607  | 75   | 272370   | 49.779   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 8.401  | 97   | 158803   | 46.744   | ug/l   | 100      |
| 56) Ethyl methacrylate        | 8.333  | 69   | 256117   | 47.828   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 8.575  | 76   | 276696   | 48.392   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 7.462  | 63   | 239254   | 203.402  | ug/l   | 97       |
| 59) 2-Hexanone                | 8.684  | 43   | 1100939  | 258.217  | ug/l   | 99       |
| 60) Dibromochloromethane      | 8.812  | 129  | 181417   | 47.639   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 173463   | 46.363   | ug/l   | 98       |
| 64) Tetrachloroethene         | 8.555  | 164  | 129219   | 49.949   | ug/l   | 97       |
| 65) Chlorobenzene             | 9.446  | 112  | 404112   | 51.288   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 156207   | 52.229   | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.571  | 91   | 732552   | 55.124   | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.693  | 106  | 574164   | 110.468  | ug/l   | 100      |
| 69) o-Xylene                  | 10.102 | 106  | 275099   | 53.874   | ug/l   | 99       |
| 70) Styrene                   | 10.115 | 104  | 465277   | 55.396   | ug/l   | 100      |
| 71) Bromoform                 | 10.291 | 173  | 146950   | 53.142   | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.484 | 105  | 726224   | 54.539   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.320 | 43   | 344594   | 51.061   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 279692   | 51.471   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.825 | 75   | 337770   | 50.791   | ug/l   | 99       |
| 77) Bromobenzene              | 10.783 | 156  | 179341   | 50.150   | ug/l   | 96       |
| 78) n-propylbenzene           | 10.906 | 91   | 876313   | 55.229   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.986 | 91   | 516023   | 52.297   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 601648   | 51.957   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.546 | 75   | 93038    | 50.797   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.095 | 91   | 584341   | 51.327   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.420 | 119  | 591843   | 53.253   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 620982   | 49.765   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.645 | 105  | 761517   | 54.770   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.793 | 119  | 663600   | 55.578   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.745 | 146  | 348175   | 49.658   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 357159   | 49.305   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.208 | 91   | 614412   | 51.347   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.475 | 117  | 117652   | 48.281   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.211 | 146  | 349933   | 49.404   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.996 | 75   | 84671    | 54.117   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 243914   | 52.477   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 103896   | 46.635   | ug/l   | 99       |
| 95) Naphthalene               | 14.086 | 128  | 857245   | 52.660   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 243080   | 52.802   | ug/l   | 100      |

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

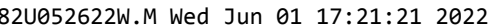
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

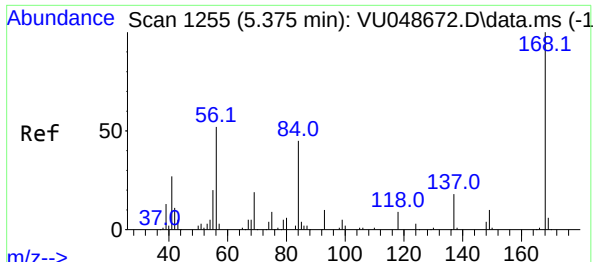
Quant Time: Jun 01 02:12:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 27 06:42:31 2022  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
Quant Title : SW846 8260  
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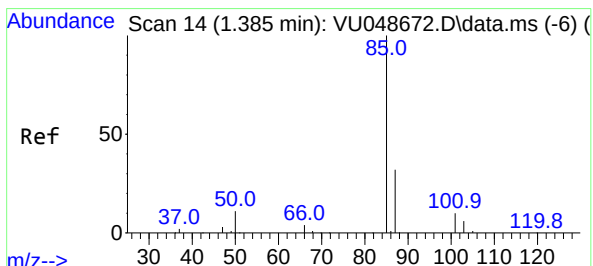
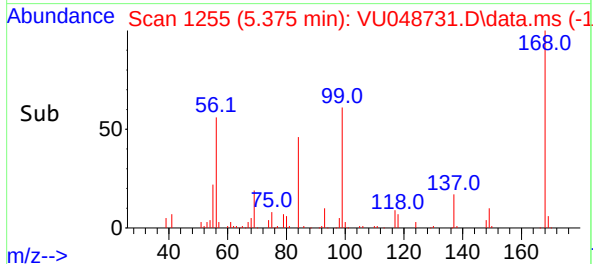
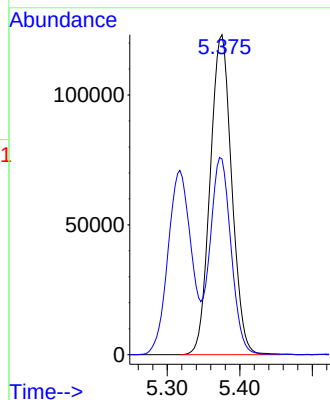
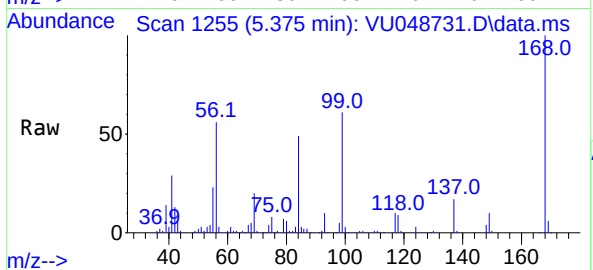




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.375 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

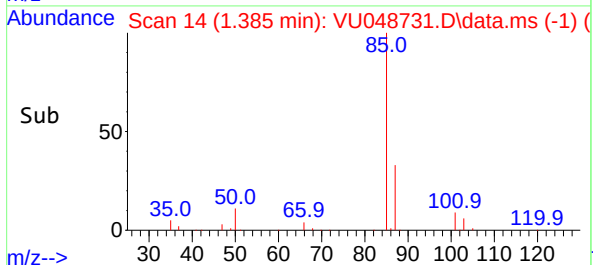
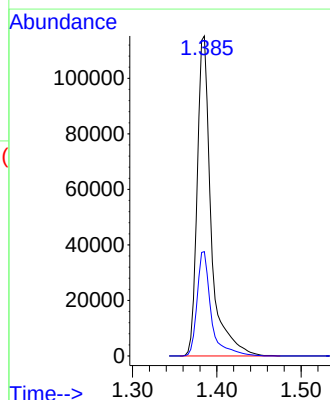
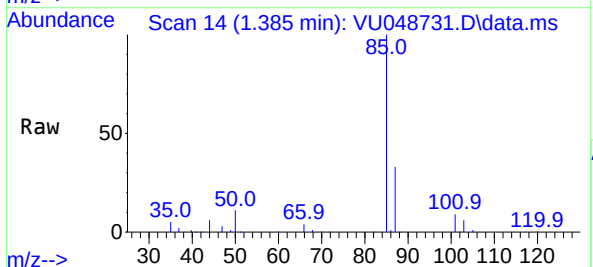
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion:168 Resp: 254568  
Ion Ratio Lower Upper  
168 100  
99 61.0 49.3 73.9

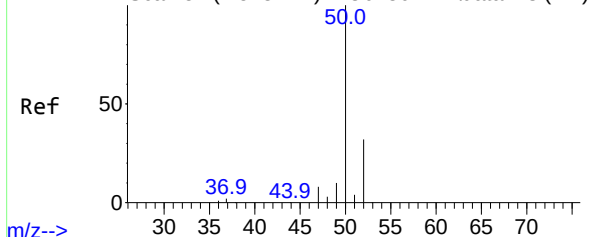


#2  
Dichlorodifluoromethane  
Concen: 45.331 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 85 Resp: 132107  
Ion Ratio Lower Upper  
85 100  
87 32.6 16.0 48.0



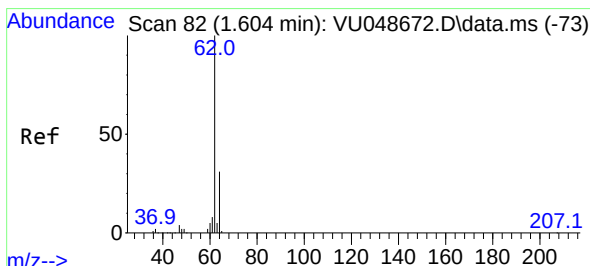
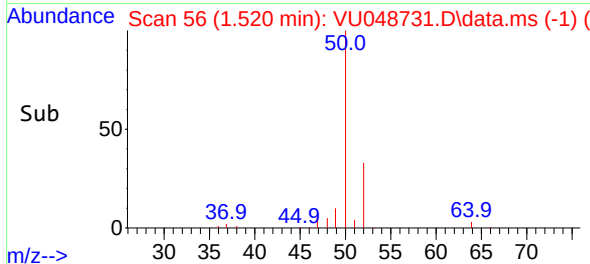
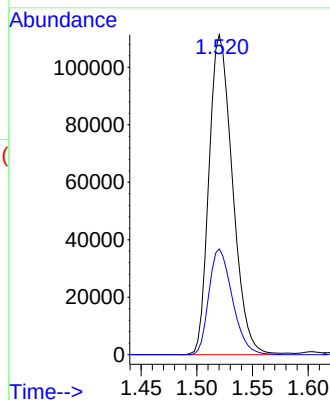
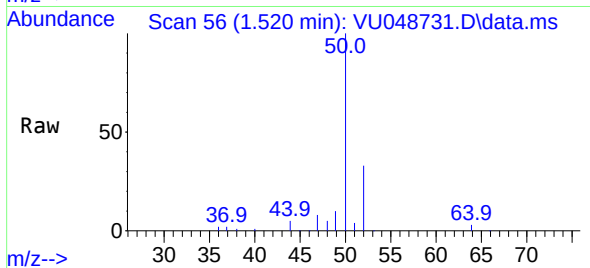
Abundance Scan 57 (1.523 min): VU048672.D\data.ms (-47)



#3  
Chloromethane  
Concen: 43.583 ug/l  
RT: 1.520 min Scan# 50  
Delta R.T. -0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

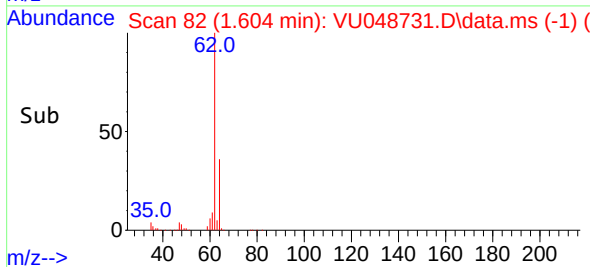
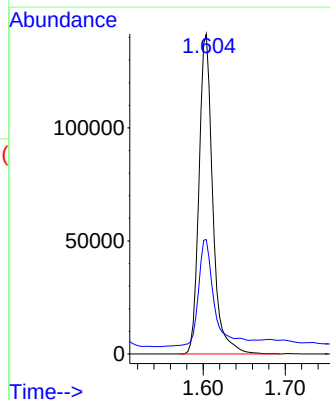
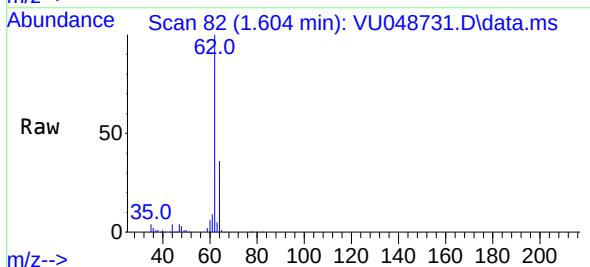
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

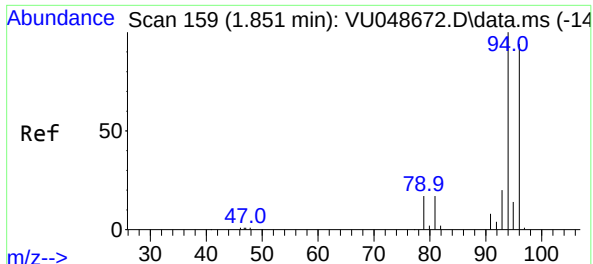
Tgt Ion: 50 Resp: 163503  
Ion Ratio Lower Upper  
50 100  
52 33.0 25.7 38.5



#4  
Vinyl Chloride  
Concen: 47.364 ug/l  
RT: 1.604 min Scan# 82  
Delta R.T. -0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 62 Resp: 164573  
Ion Ratio Lower Upper  
62 100  
64 33.1 25.2 37.8

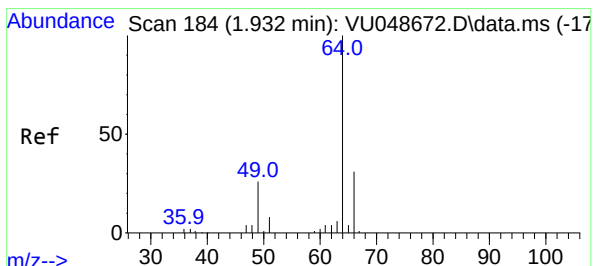
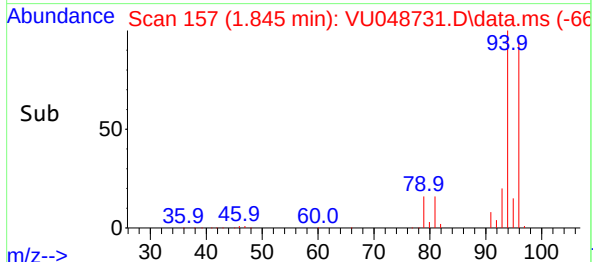
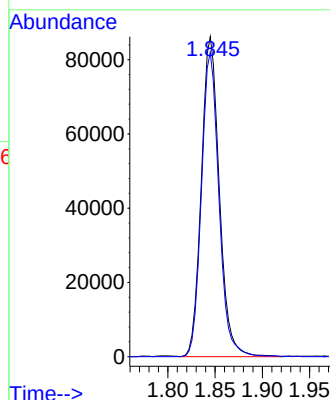
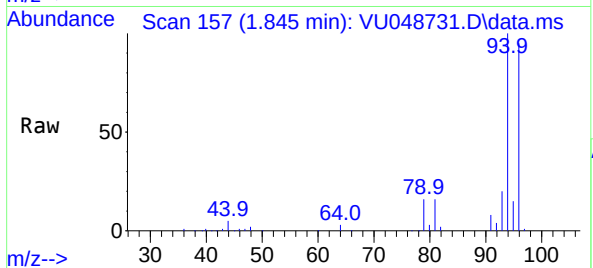




#5  
Bromomethane  
Concen: 59.853 ug/l  
RT: 1.845 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

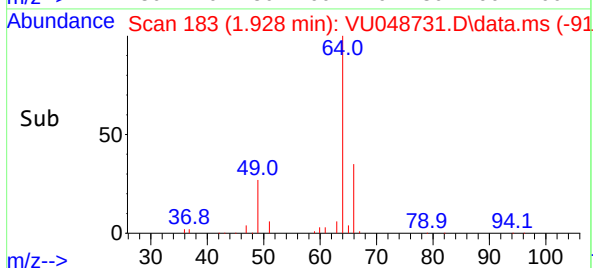
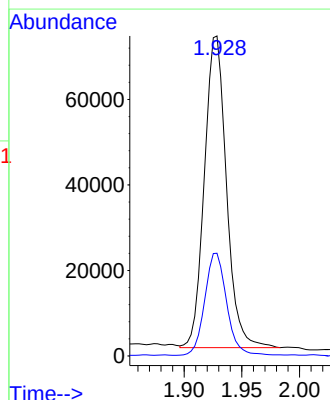
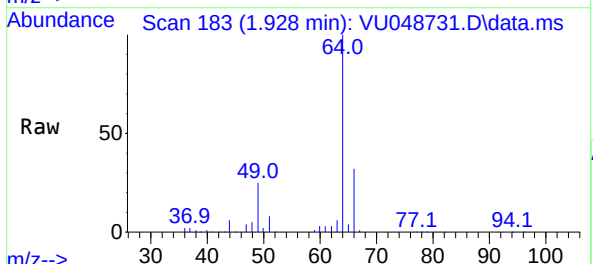
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

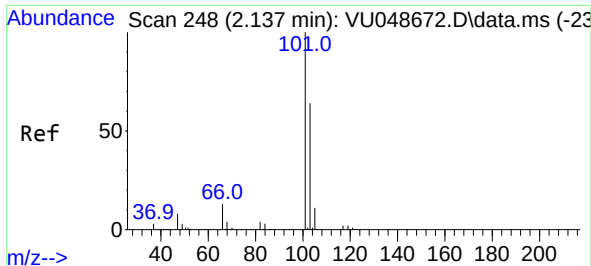
Tgt Ion: 94 Resp: 114013  
Ion Ratio Lower Upper  
94 100  
96 95.2 75.1 112.7



#6  
Chloroethane  
Concen: 50.926 ug/l  
RT: 1.928 min Scan# 183  
Delta R.T. -0.004 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 64 Resp: 97072  
Ion Ratio Lower Upper  
64 100  
66 32.7 25.2 37.8

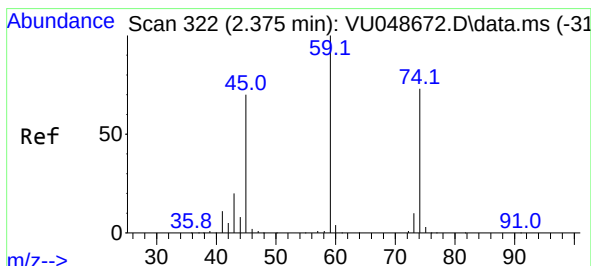
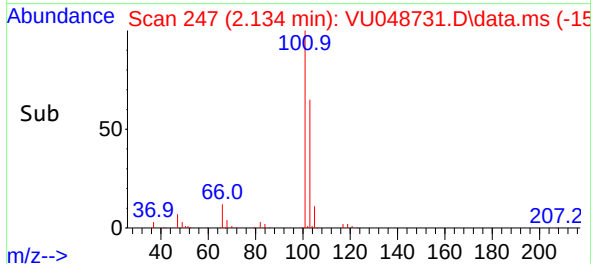
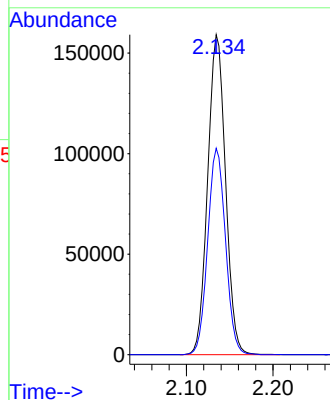
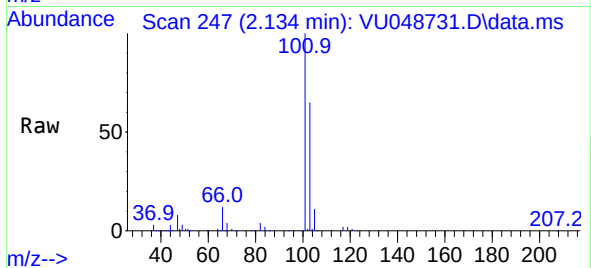




#7  
Trichlorofluoromethane  
Concen: 45.927 ug/l  
RT: 2.134 min Scan# 248  
Delta R.T. -0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

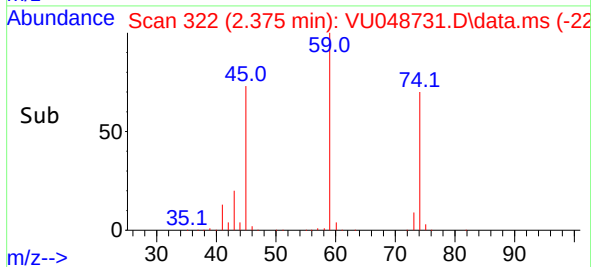
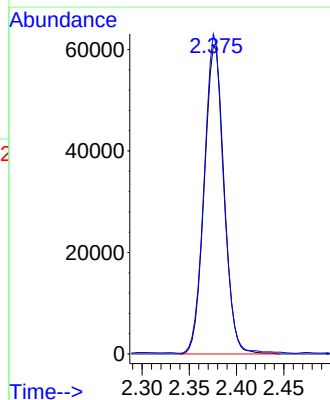
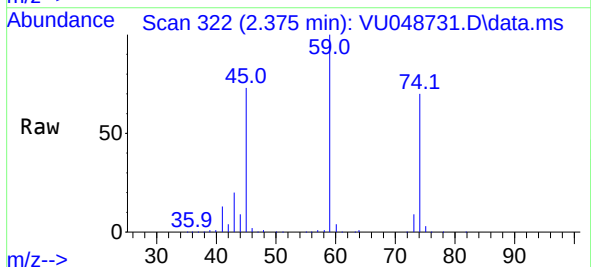
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion:101 Resp: 227911  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.0 76.4



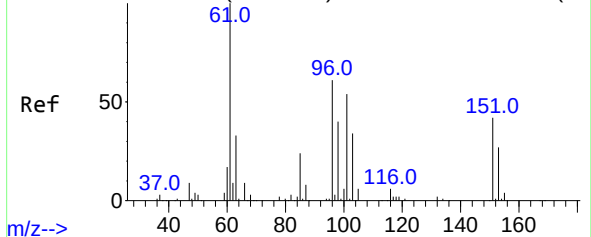
#8  
Diethyl Ether  
Concen: 48.403 ug/l  
RT: 2.375 min Scan# 322  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 74 Resp: 88638  
Ion Ratio Lower Upper  
74 100  
45 101.7 47.7 143.1



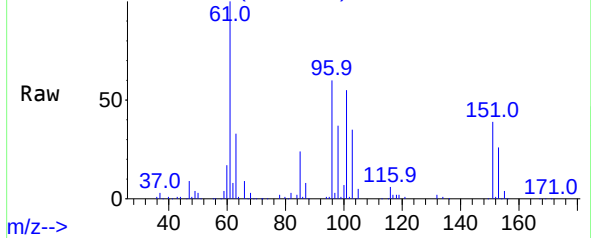


Abundance Scan 386 (2.581 min): VU048672.D\data.ms (-37



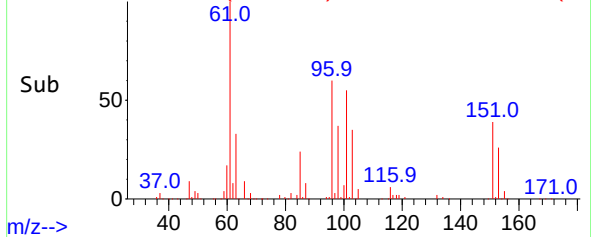
m/z-->

Abundance Scan 385 (2.578 min): VU048731.D\data.ms



m/z-->

Abundance Scan 385 (2.578 min): VU048731.D\data.ms (-29



m/z-->

#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.959 ug/l

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU048731.D

Acq: 31 May 2022 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

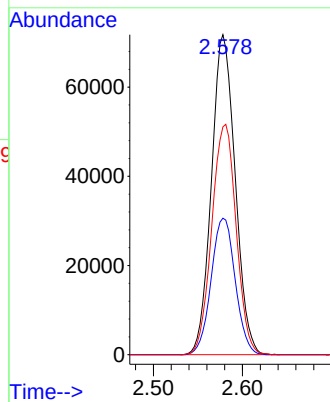
Tgt Ion:101 Resp: 132993

Ion Ratio Lower Upper

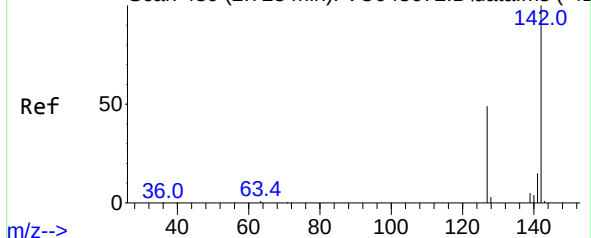
101 100

85 43.3 35.4 53.2

151 73.9 62.5 93.7

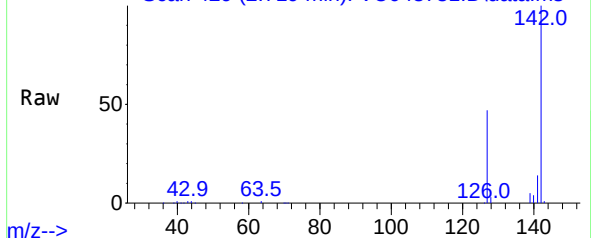


Abundance Scan 430 (2.723 min): VU048672.D\data.ms (-41



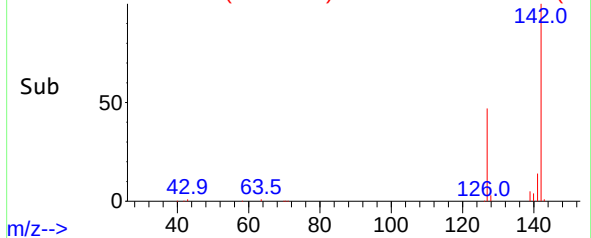
m/z-->

Abundance Scan 429 (2.719 min): VU048731.D\data.ms



m/z-->

Abundance Scan 429 (2.719 min): VU048731.D\data.ms (-35



m/z-->

#10

Methyl Iodide

Concen: 41.694 ug/l

RT: 2.719 min Scan# 429

Delta R.T. -0.004 min

Lab File: VU048731.D

Acq: 31 May 2022 11:00

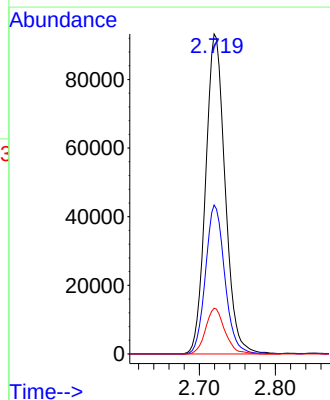
Tgt Ion:142 Resp: 166091

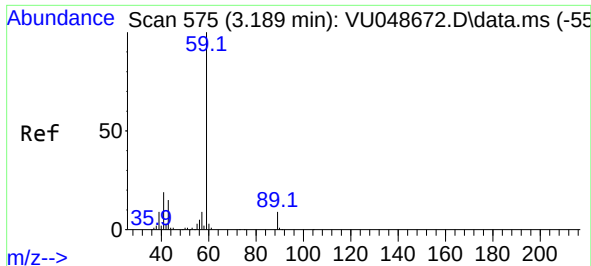
Ion Ratio Lower Upper

142 100

127 45.9 38.4 57.6

141 14.1 11.5 17.3

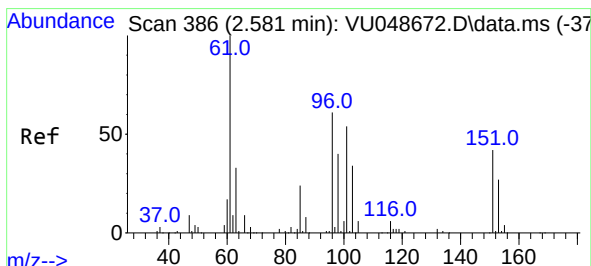
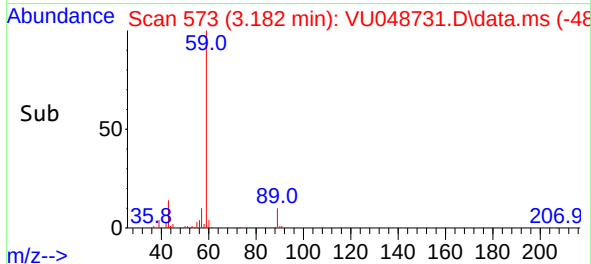
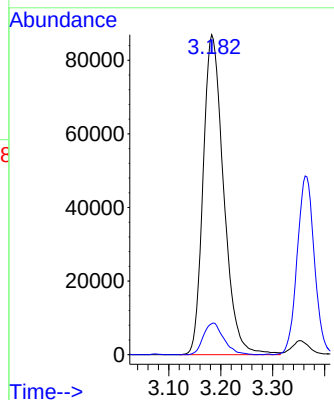
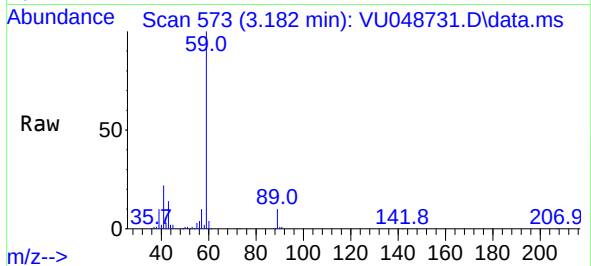




#11  
Tert butyl alcohol  
Concen: 246.166 ug/l  
RT: 3.182 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

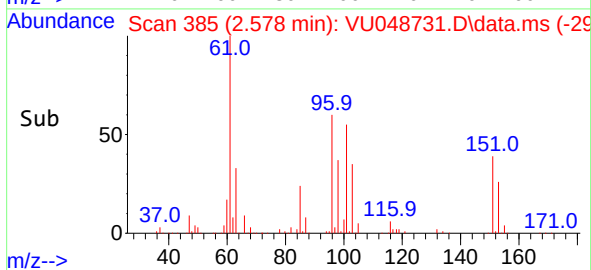
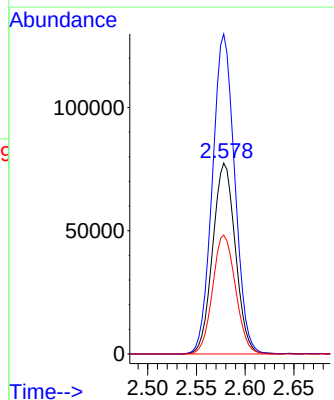
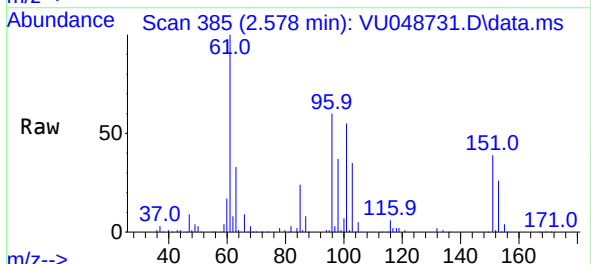
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

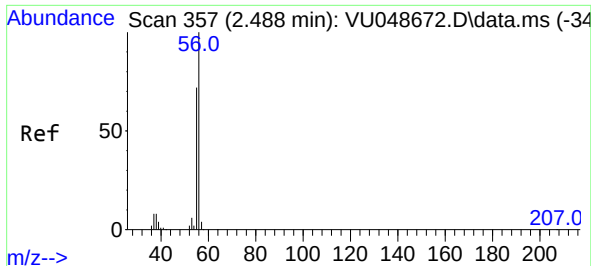
Tgt Ion: 59 Resp: 238601  
Ion Ratio Lower Upper  
59 100  
57 9.8 39.7 59.5#



#12  
1,1-Dichloroethene  
Concen: 48.444 ug/l  
RT: 2.578 min Scan# 385  
Delta R.T. -0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 96 Resp: 125517  
Ion Ratio Lower Upper  
96 100  
61 167.8 131.1 196.7  
98 62.4 51.8 77.8

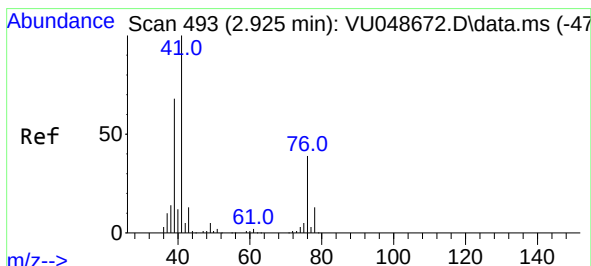
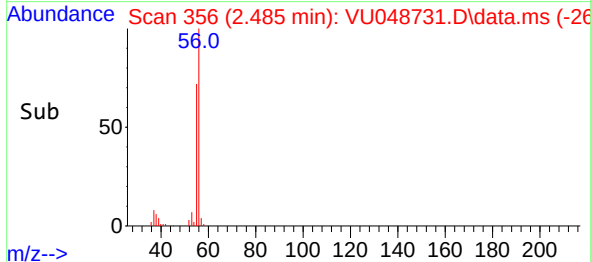
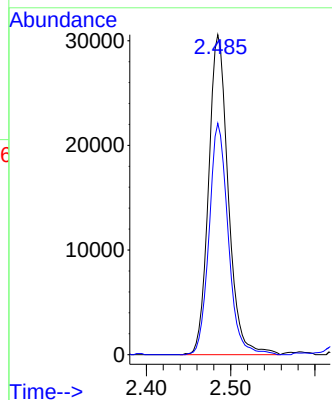
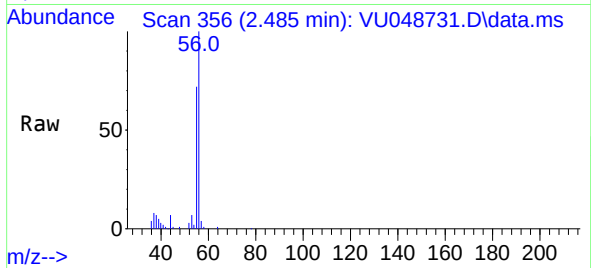




#13  
Acrolein  
Concen: 153.002 ug/l  
RT: 2.485 min Scan# 356  
Delta R.T. -0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

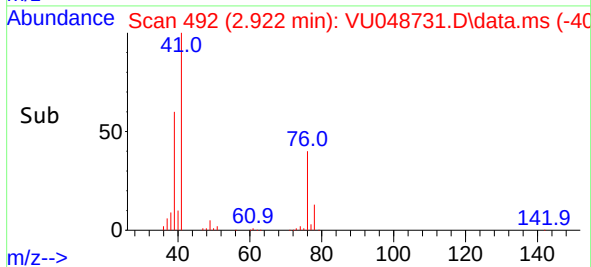
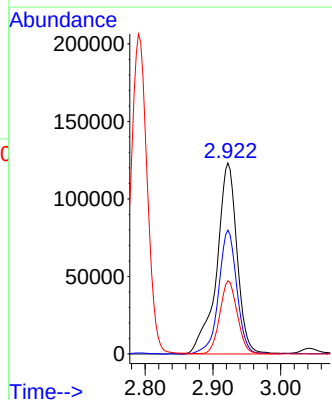
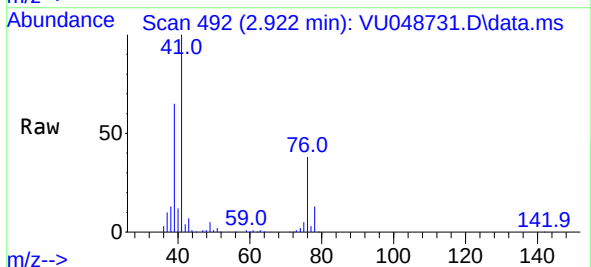
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

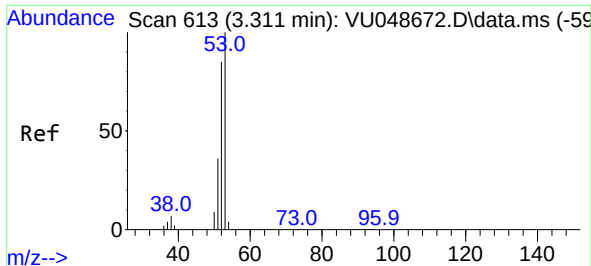
Tgt Ion: 56 Resp: 49674  
Ion Ratio Lower Upper  
56 100  
55 70.2 57.7 86.5



#14  
Allyl chloride  
Concen: 51.167 ug/l  
RT: 2.922 min Scan# 492  
Delta R.T. -0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 41 Resp: 256773  
Ion Ratio Lower Upper  
41 100  
39 58.0 48.6 72.8  
76 32.6 27.0 40.4

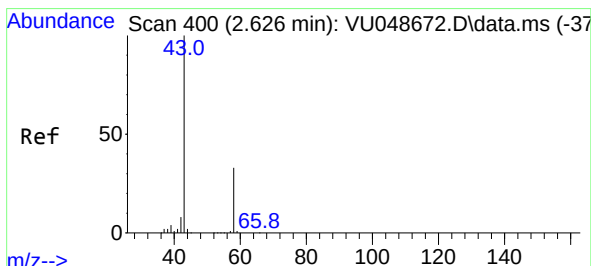
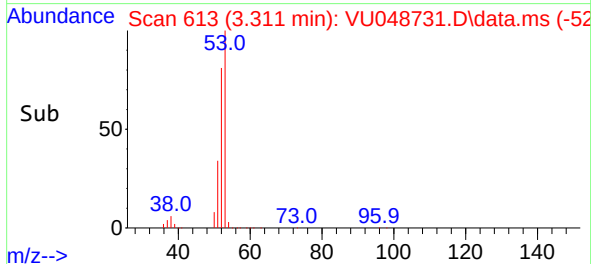
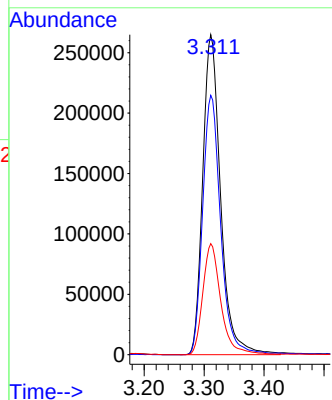
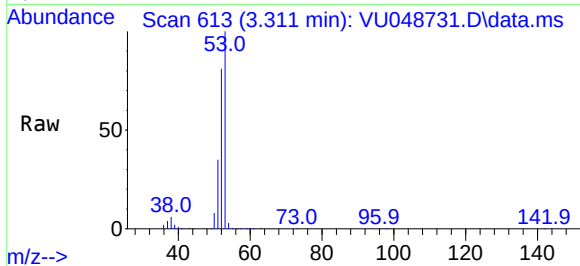




#15  
Acrylonitrile  
Concen: 262.184 ug/l  
RT: 3.311 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

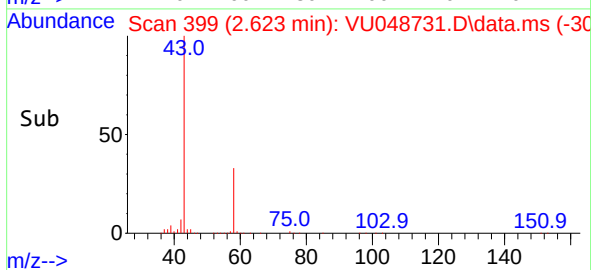
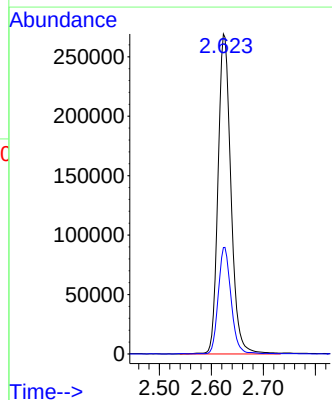
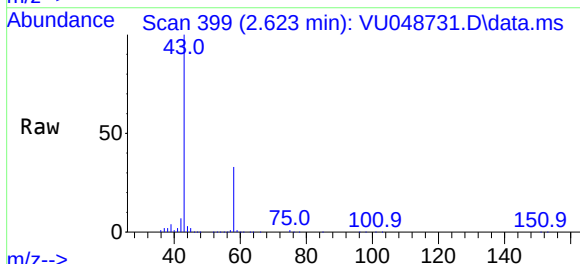
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

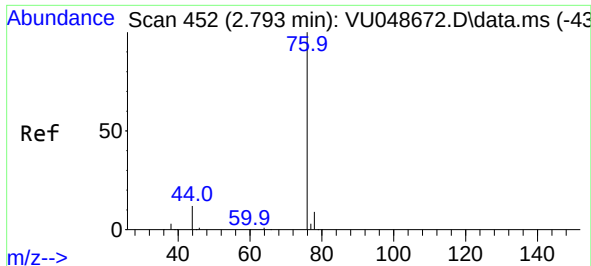
Tgt Ion: 53 Resp: 551156  
Ion Ratio Lower Upper  
53 100  
52 81.6 66.3 99.5  
51 35.1 28.6 42.8



#16  
Acetone  
Concen: 238.191 ug/l  
RT: 2.623 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 43 Resp: 464082  
Ion Ratio Lower Upper  
43 100  
58 33.1 26.3 39.5

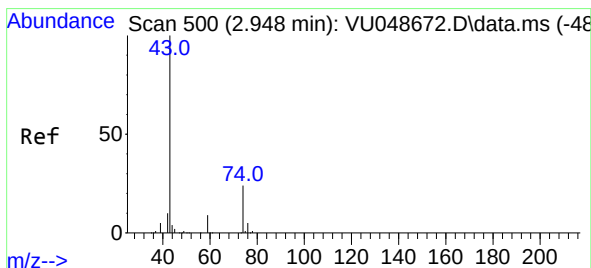
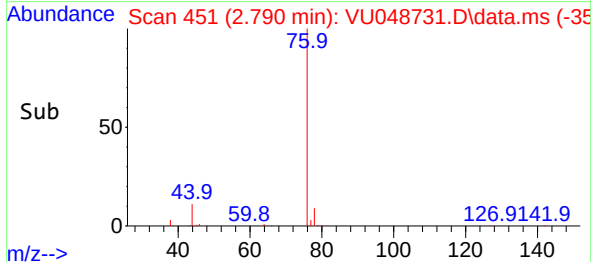
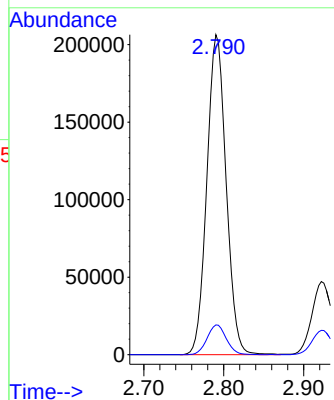
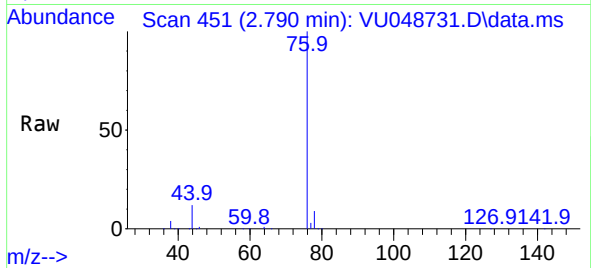




#17  
Carbon Disulfide  
Concen: 45.709 ug/l  
RT: 2.790 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

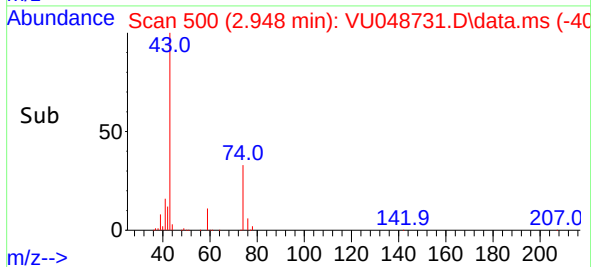
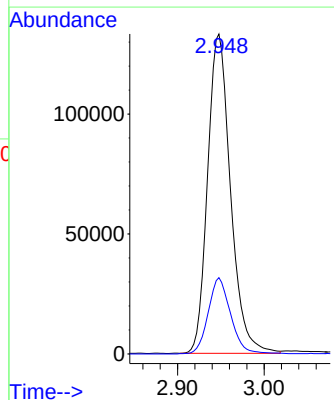
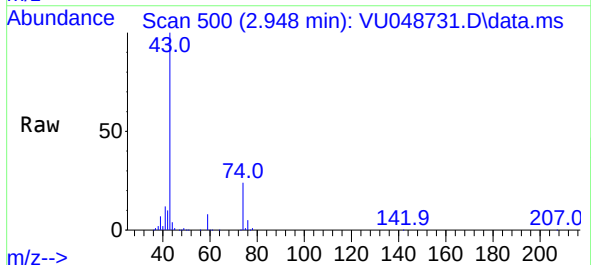
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

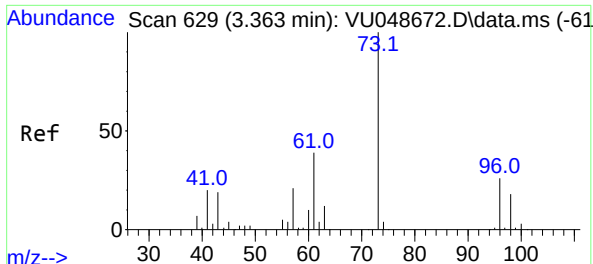
Tgt Ion: 76 Resp: 345725  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.3 10.9



#18  
Methyl Acetate  
Concen: 50.032 ug/l  
RT: 2.948 min Scan# 500  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 43 Resp: 244748  
Ion Ratio Lower Upper  
43 100  
74 23.5 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 50.883 ug/l

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU048731.D

Acq: 31 May 2022 11:00

Instrument :

MSVOA\_U

ClientSampleId :

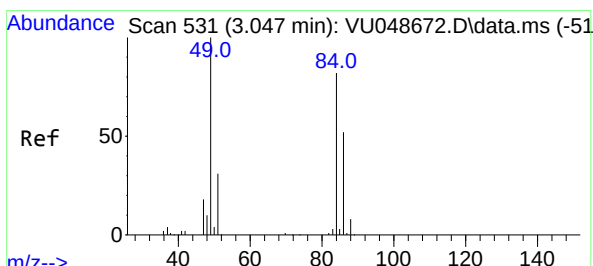
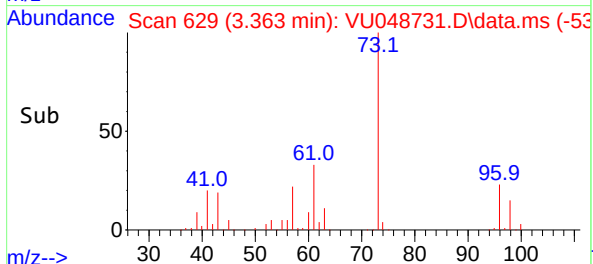
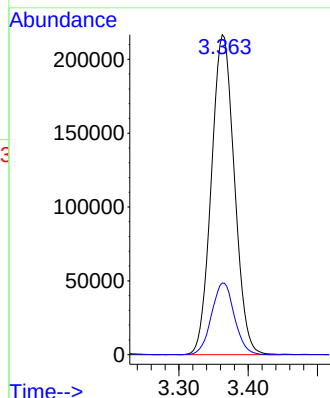
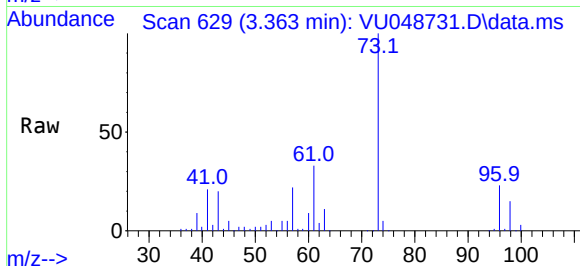
VSTDCCC050

Tgt Ion: 73 Resp: 500239

Ion Ratio Lower Upper

73 100

57 22.4 17.1 25.7



#20

Methylene Chloride

Concen: 46.653 ug/l

RT: 3.044 min Scan# 530

Delta R.T. -0.003 min

Lab File: VU048731.D

Acq: 31 May 2022 11:00

Tgt Ion: 84 Resp: 154572

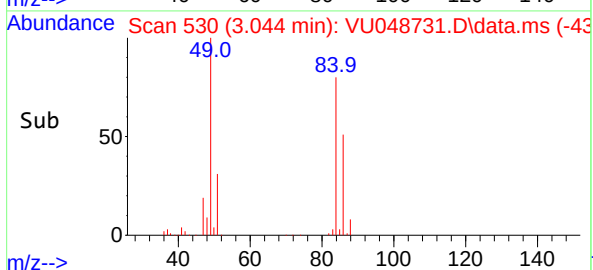
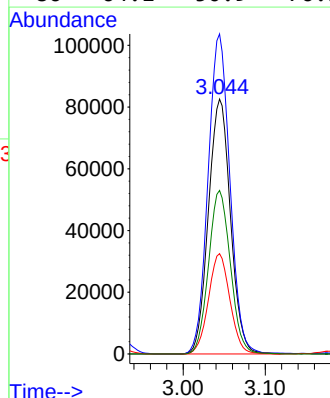
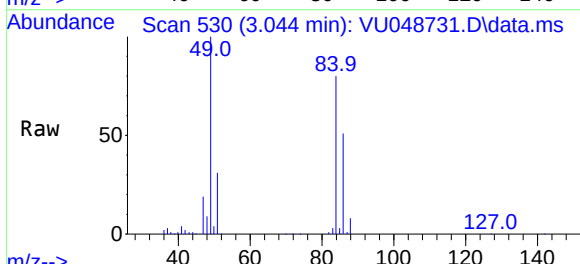
Ion Ratio Lower Upper

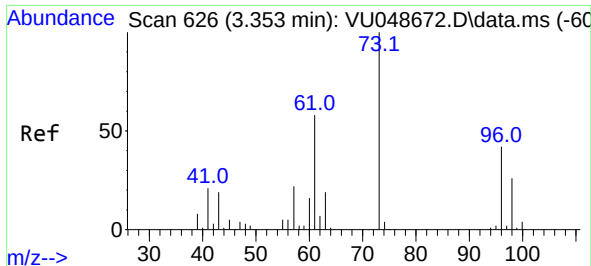
84 100

49 125.5 97.0 145.4

51 39.4 29.8 44.8

86 64.1 50.9 76.3

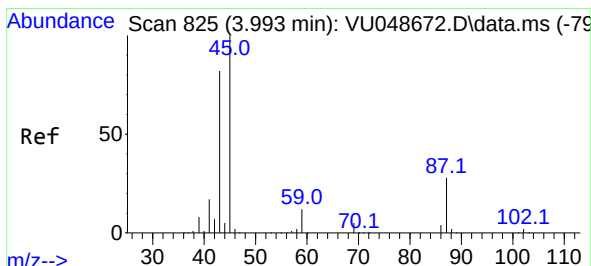
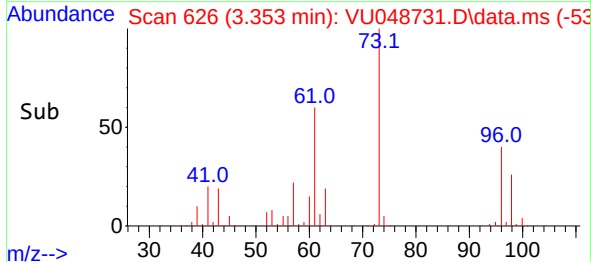
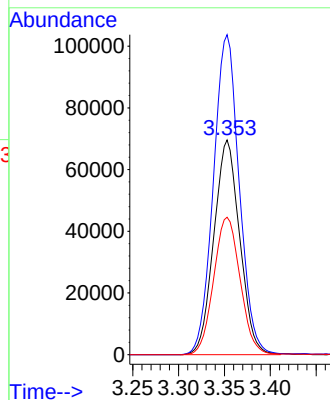
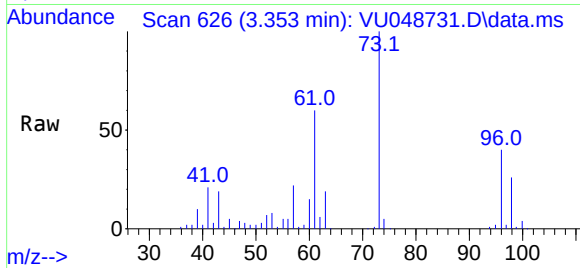




#21  
trans-1,2-Dichloroethene  
Concen: 45.996 ug/l  
RT: 3.353 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

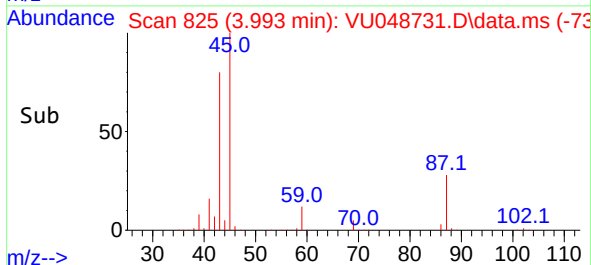
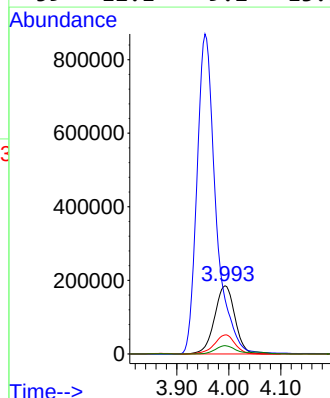
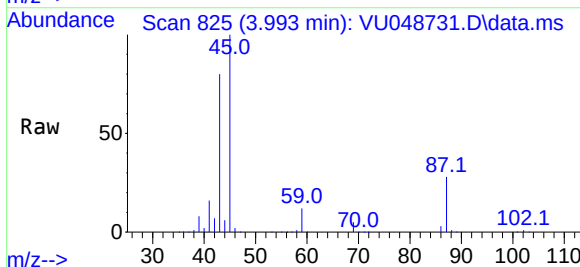
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

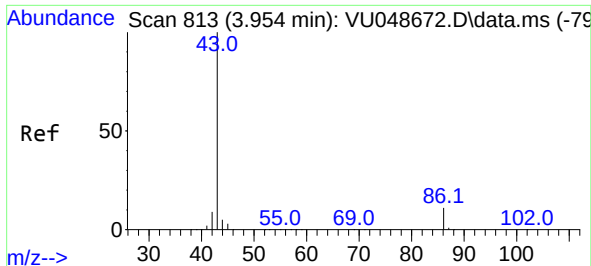
Tgt Ion: 96 Resp: 136322  
Ion Ratio Lower Upper  
96 100  
61 149.0 109.4 164.2  
98 64.0 48.9 73.3



#22  
Diisopropyl ether  
Concen: 54.282 ug/l  
RT: 3.993 min Scan# 825  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 45 Resp: 502481  
Ion Ratio Lower Upper  
45 100  
43 80.2 65.2 97.8  
87 28.0 22.7 34.1  
59 12.1 9.2 13.8

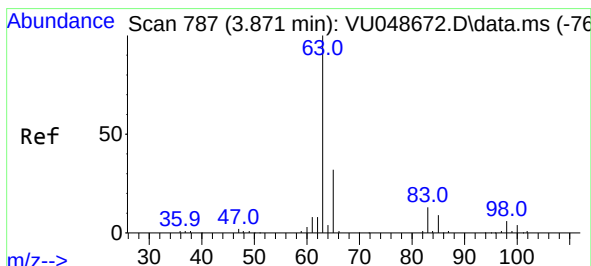
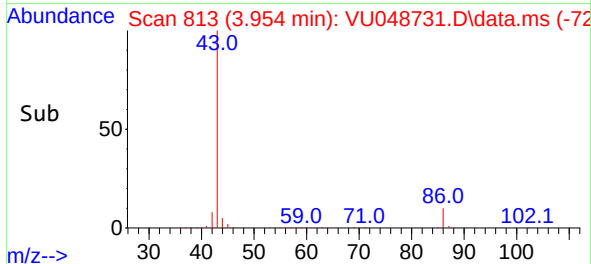
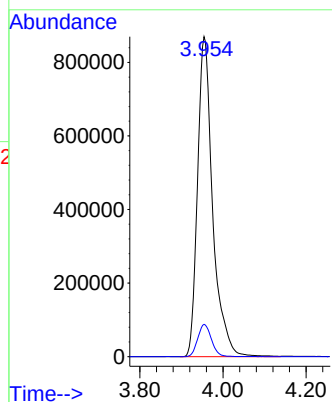
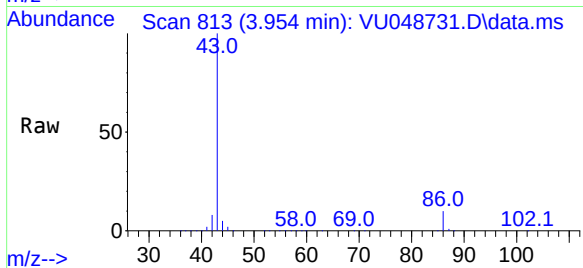




#23  
 Vinyl Acetate  
 Concen: 273.888 ug/l  
 RT: 3.954 min Scan# 813  
 Delta R.T. 0.000 min  
 Lab File: VU048731.D  
 Acq: 31 May 2022 11:00

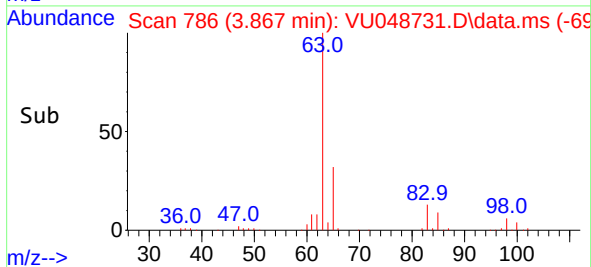
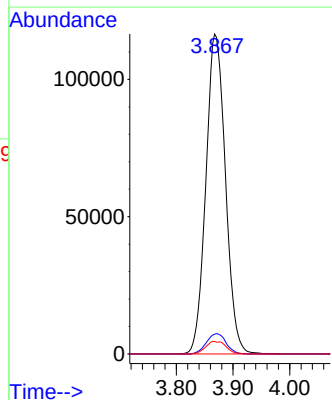
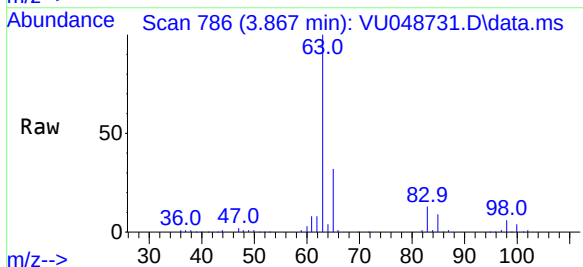
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 43 Resp: 2196661  
 Ion Ratio Lower Upper  
 43 100  
 86 10.1 8.4 12.6

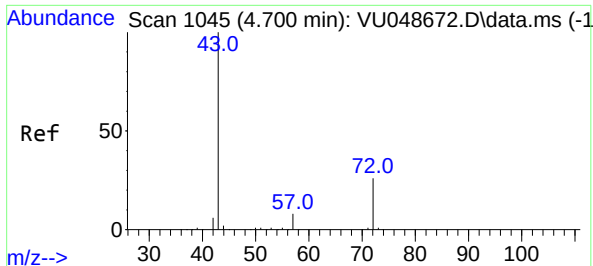


#24  
 1,1-Dichloroethane  
 Concen: 48.138 ug/l  
 RT: 3.867 min Scan# 786  
 Delta R.T. -0.003 min  
 Lab File: VU048731.D  
 Acq: 31 May 2022 11:00

Tgt Ion: 63 Resp: 279867  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 3.1 9.3  
 100 3.9 2.0 5.8



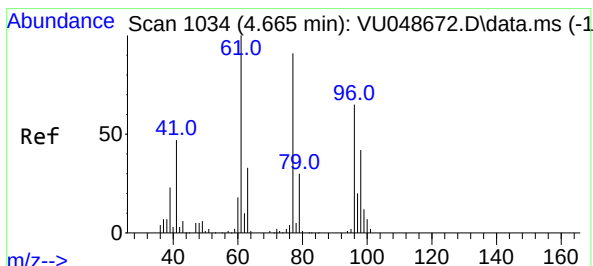
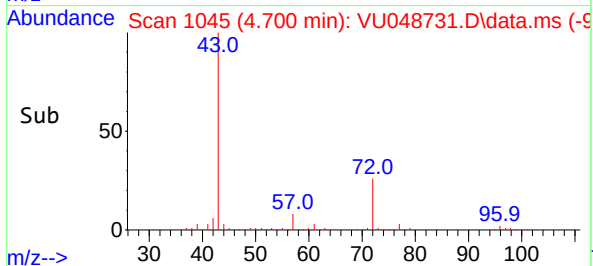
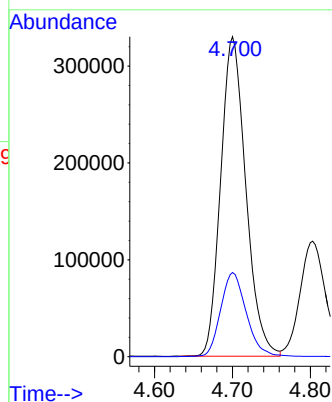
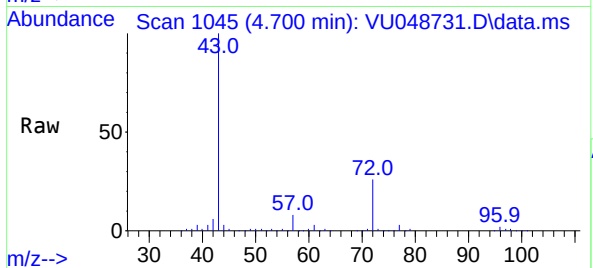




#25  
2-Butanone  
Concen: 264.581 ug/l  
RT: 4.700 min Scan# 1045  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

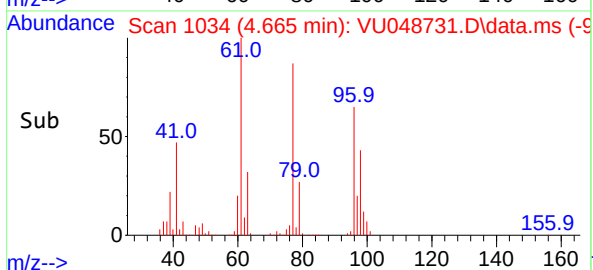
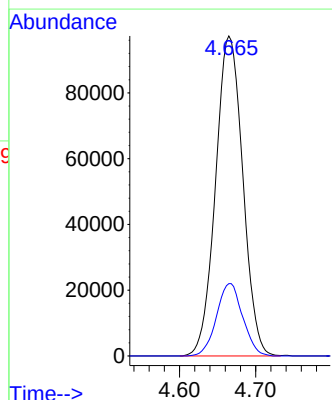
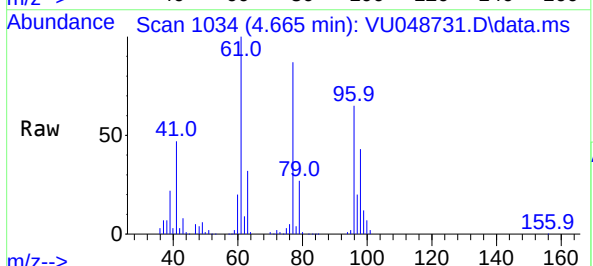
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

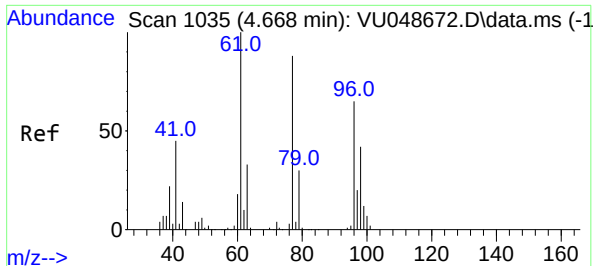
Tgt Ion: 43 Resp: 740561  
Ion Ratio Lower Upper  
43 100  
72 26.3 21.1 31.7



#26  
2,2-Dichloropropane  
Concen: 46.415 ug/l  
RT: 4.665 min Scan# 1034  
Delta R.T. -0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 77 Resp: 242093  
Ion Ratio Lower Upper  
77 100  
97 21.8 11.1 33.1



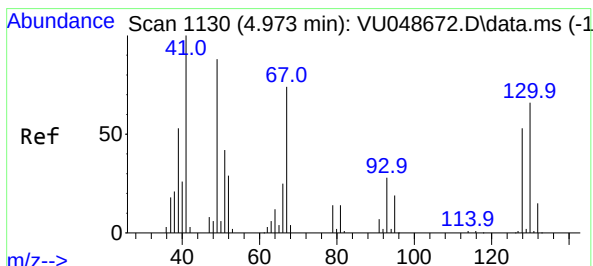
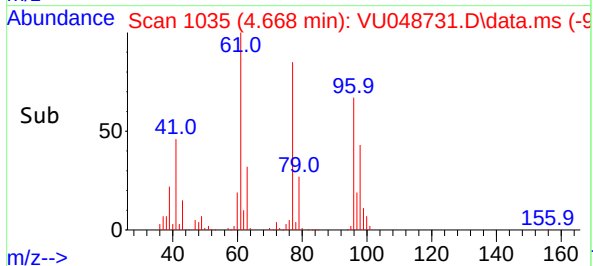
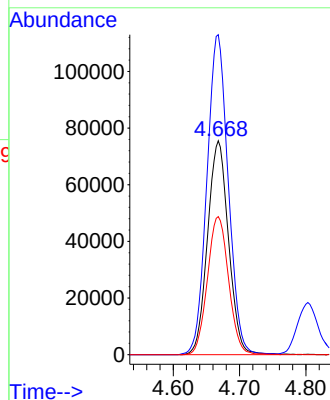
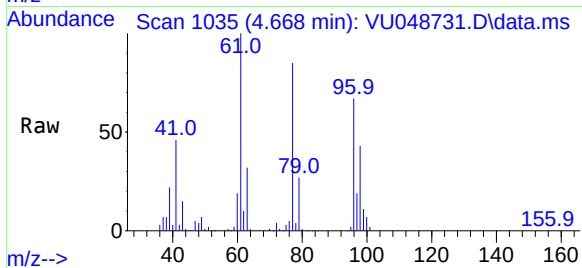


#27  
 cis-1,2-Dichloroethene  
 Concen: 48.372 ug/l  
 RT: 4.668 min Scan# 1035  
 Delta R.T. -0.000 min  
 Lab File: VU048731.D  
 Acq: 31 May 2022 11:00

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 96 Resp: 165943  

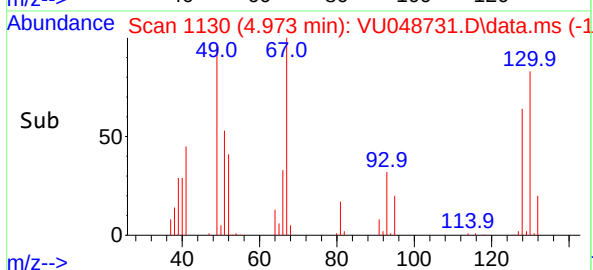
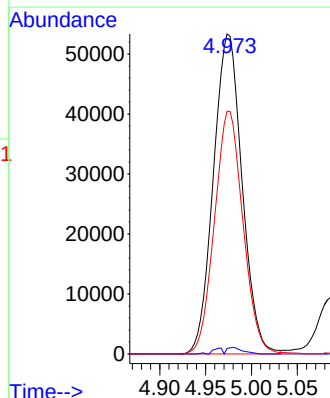
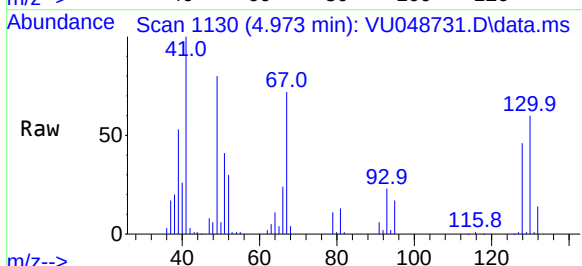
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 152.1 | 0.0   | 306.2 |
| 98  | 65.1  | 0.0   | 130.4 |

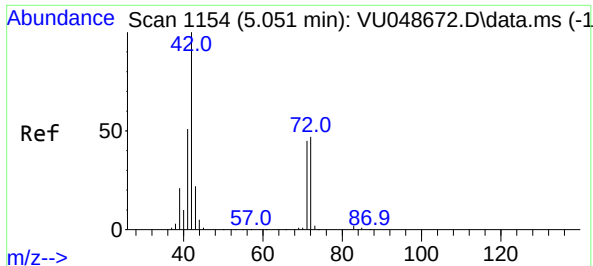


#28  
 Bromochloromethane  
 Concen: 50.831 ug/l  
 RT: 4.973 min Scan# 1130  
 Delta R.T. 0.000 min  
 Lab File: VU048731.D  
 Acq: 31 May 2022 11:00

Tgt Ion: 49 Resp: 115915  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 1.1   | 0.0   | 4.0   |
| 130 | 75.5  | 62.1  | 93.1  |

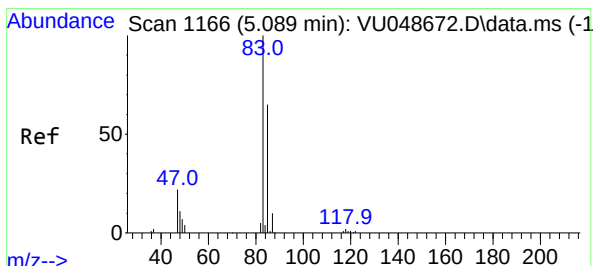
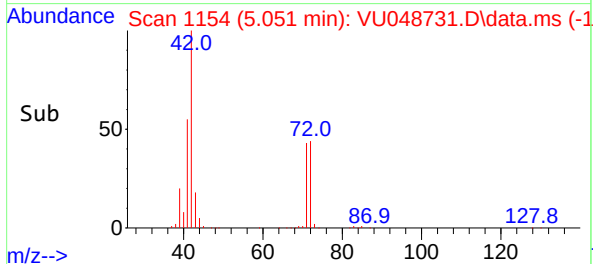
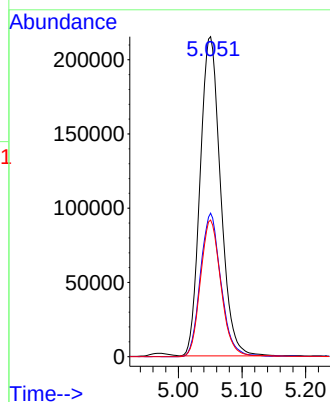
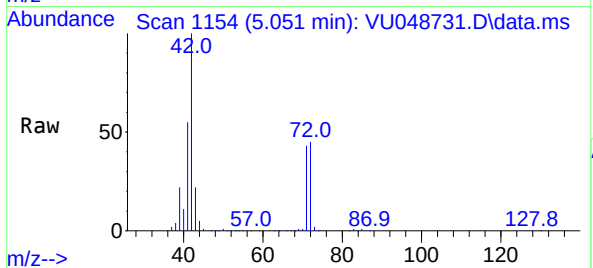




#29  
Tetrahydrofuran  
Concen: 272.245 ug/l  
RT: 5.051 min Scan# 1154  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

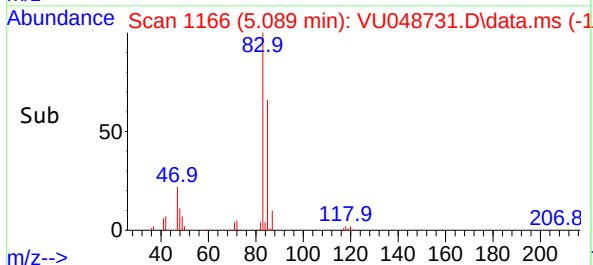
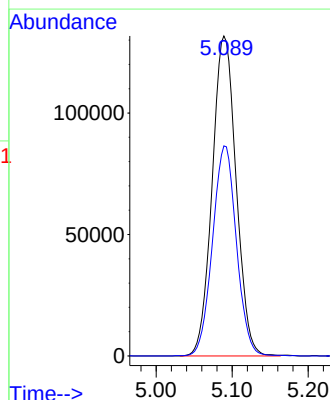
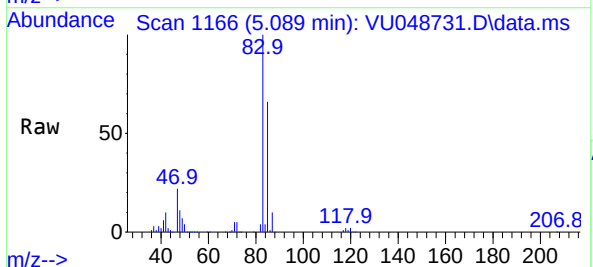
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

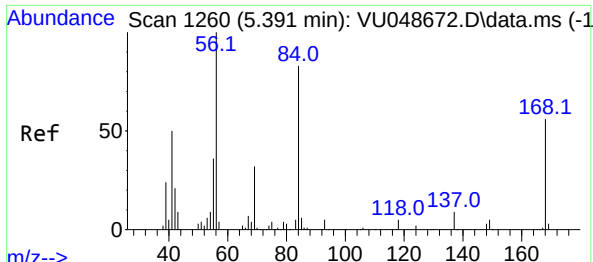
Tgt Ion: 42 Resp: 479986  
Ion Ratio Lower Upper  
42 100  
72 45.3 37.6 56.4  
71 42.6 35.0 52.4



#30  
Chloroform  
Concen: 49.535 ug/l  
RT: 5.089 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 83 Resp: 288156  
Ion Ratio Lower Upper  
83 100  
85 65.5 52.2 78.2

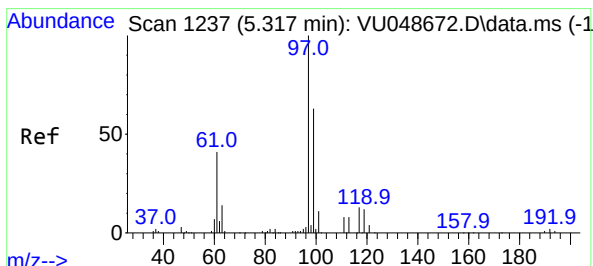
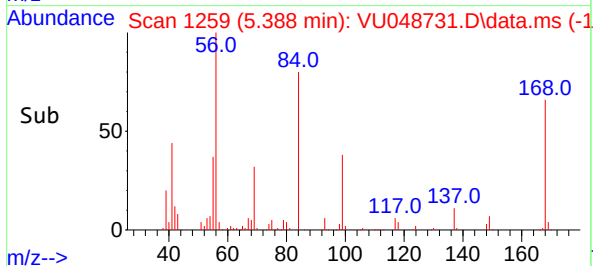
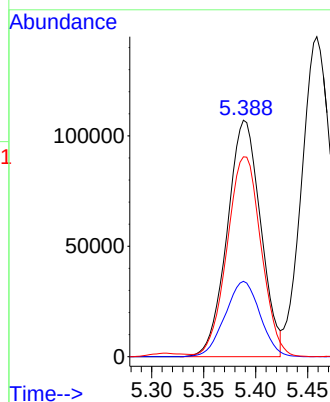
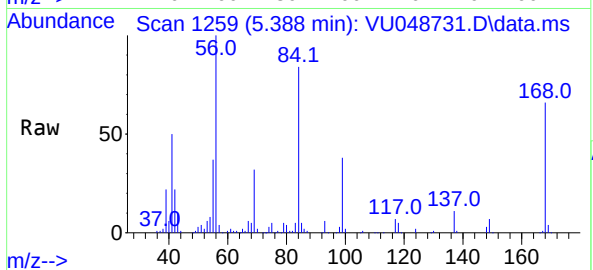




#31  
Cyclohexane  
Concen: 49.755 ug/l  
RT: 5.388 min Scan# 1259  
Delta R.T. -0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

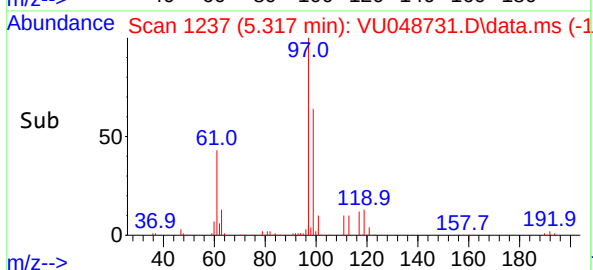
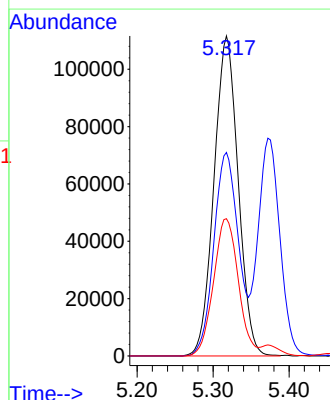
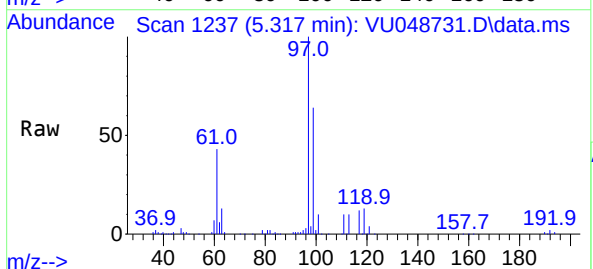
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

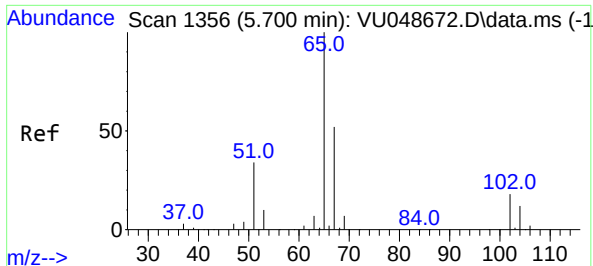
Tgt Ion: 56 Resp: 239719  
Ion Ratio Lower Upper  
56 100  
69 31.9 25.6 38.4  
84 83.3 66.2 99.4



#32  
1,1,1-Trichloroethane  
Concen: 46.676 ug/l  
RT: 5.317 min Scan# 1237  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 97 Resp: 246339  
Ion Ratio Lower Upper  
97 100  
99 64.8 51.6 77.4  
61 44.1 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 49.041 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048731.D

Acq: 31 May 2022 11:00

Instrument :

MSVOA\_U

ClientSampleId :

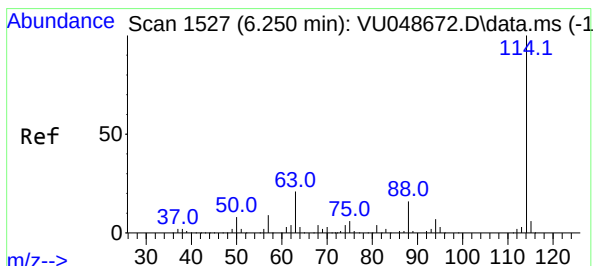
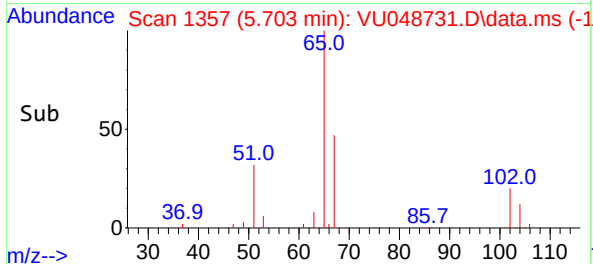
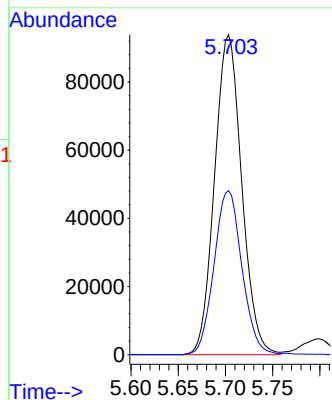
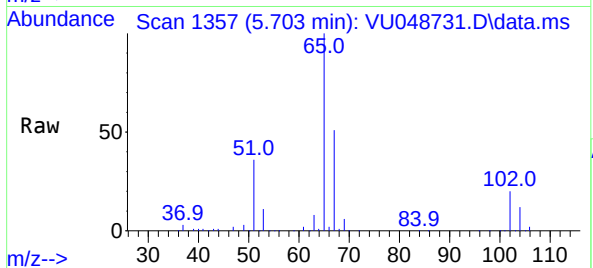
VSTDCCC050

Tgt Ion: 65 Resp: 187490

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048731.D

Acq: 31 May 2022 11:00

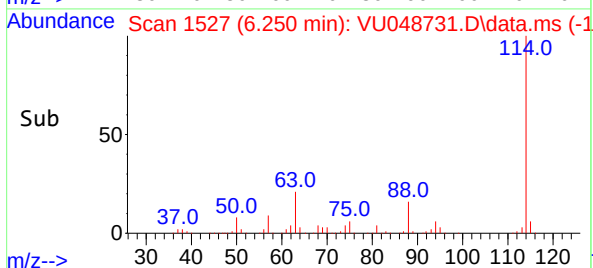
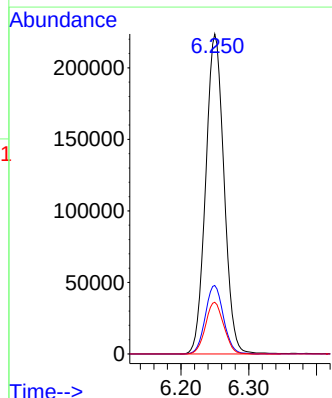
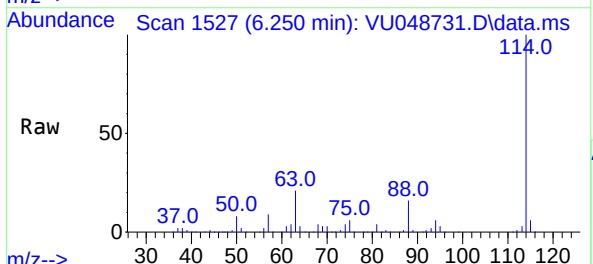
Tgt Ion: 114 Resp: 418643

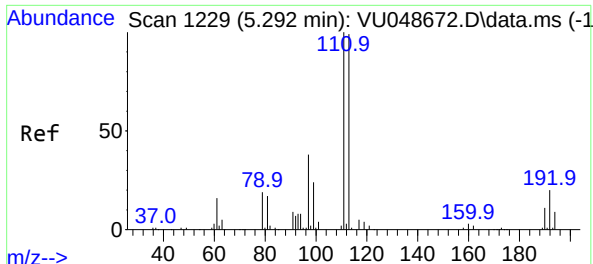
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 16.1 0.0 32.2

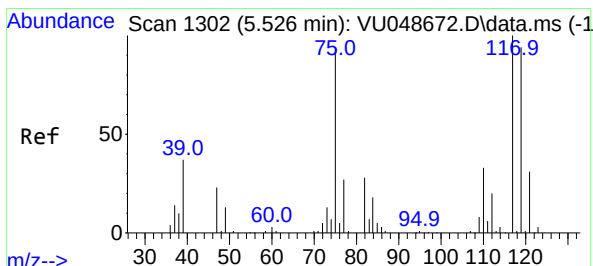
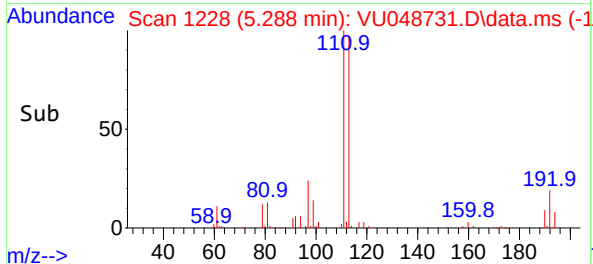
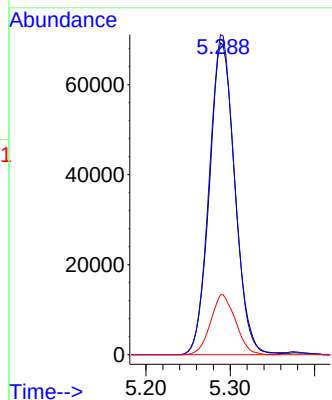
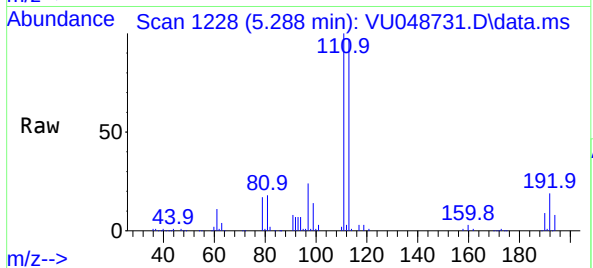




#35  
Dibromofluoromethane  
Concen: 48.912 ug/l  
RT: 5.288 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

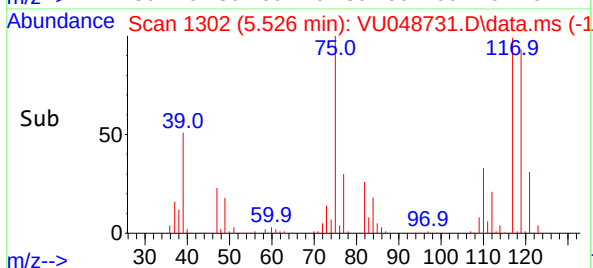
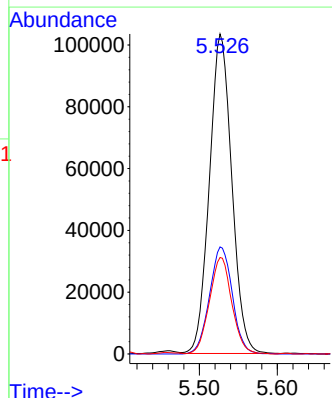
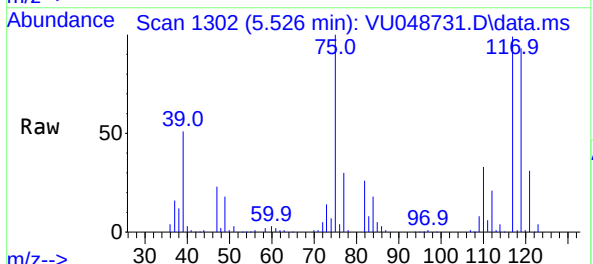
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

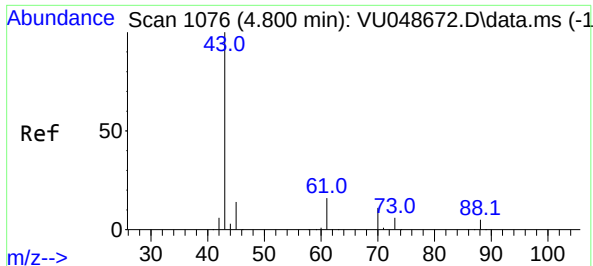
Tgt Ion:113 Resp: 146084  
Ion Ratio Lower Upper  
113 100  
111 101.6 80.7 121.1  
192 18.7 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 47.380 ug/l  
RT: 5.526 min Scan# 1302  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 75 Resp: 206531  
Ion Ratio Lower Upper  
75 100  
110 34.2 17.4 52.3  
77 30.3 24.8 37.2

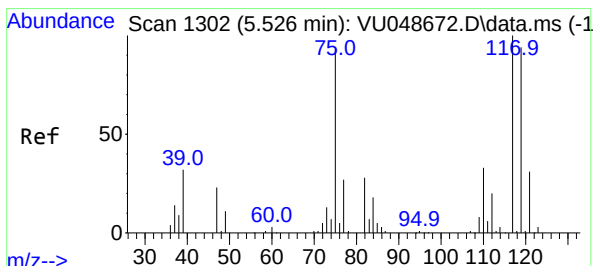
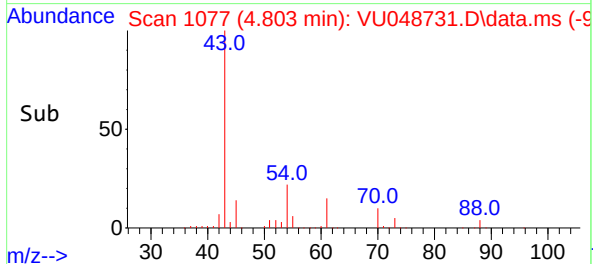
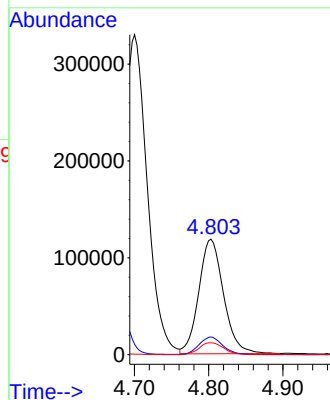
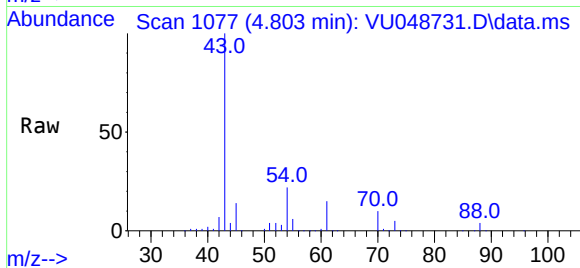




#37  
Ethyl Acetate  
Concen: 49.692 ug/l  
RT: 4.803 min Scan# 1077  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

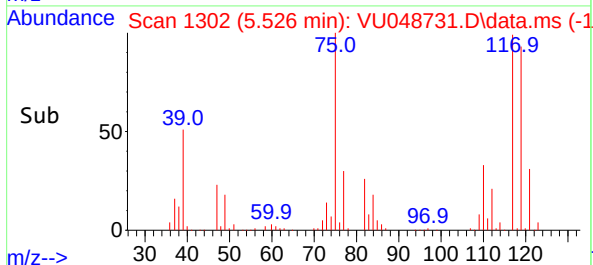
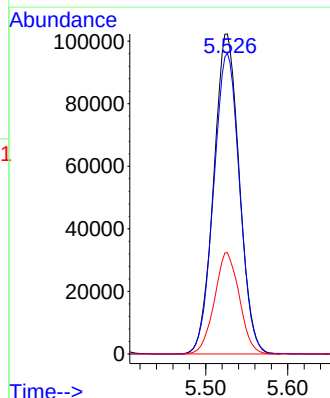
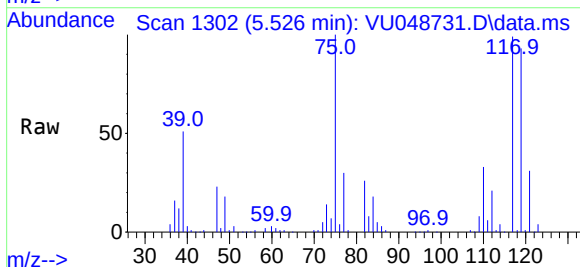
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

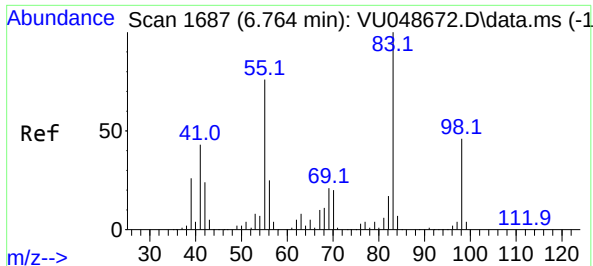
Tgt Ion: 43 Resp: 273833  
Ion Ratio Lower Upper  
43 100  
61 14.6 11.7 17.5  
70 10.4 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 44.411 ug/l  
RT: 5.526 min Scan# 1302  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 117 Resp: 222097  
Ion Ratio Lower Upper  
117 100  
119 94.0 75.4 113.2  
121 31.7 24.6 36.8





#39

Methylcyclohexane

Concen: 50.812 ug/l

RT: 6.764 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048731.D

Acq: 31 May 2022 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

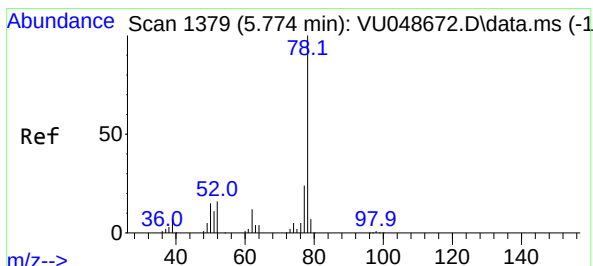
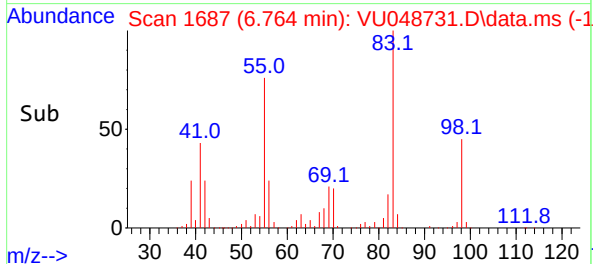
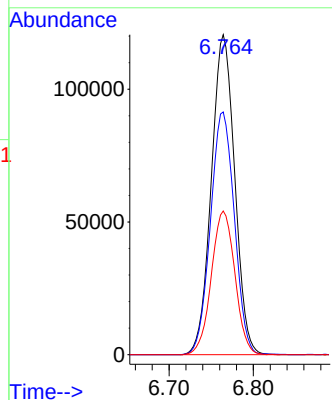
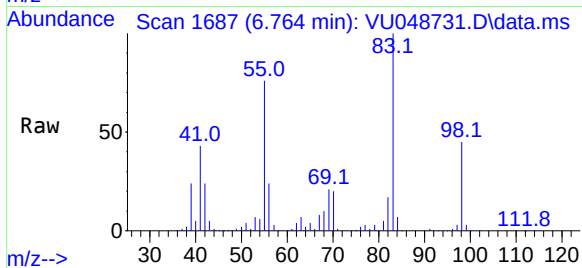
Tgt Ion: 83 Resp: 232238

Ion Ratio Lower Upper

83 100

55 75.8 61.0 91.6

98 44.9 36.8 55.2



#40

Benzene

Concen: 46.587 ug/l

RT: 5.774 min Scan# 1379

Delta R.T. -0.000 min

Lab File: VU048731.D

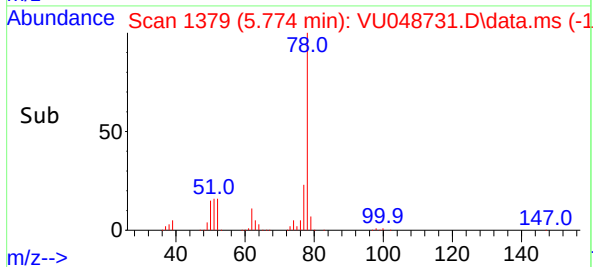
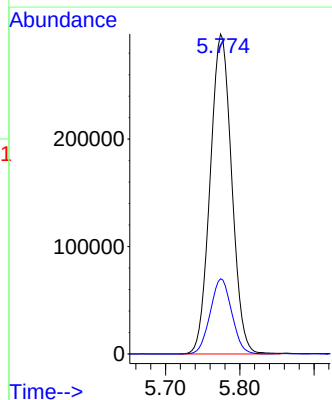
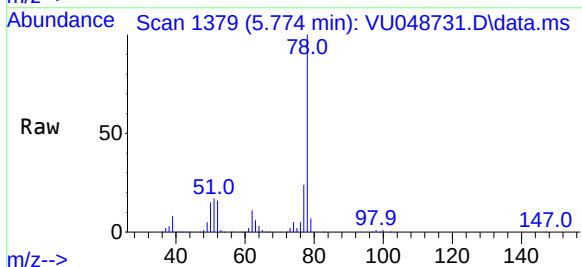
Acq: 31 May 2022 11:00

Tgt Ion: 78 Resp: 599538

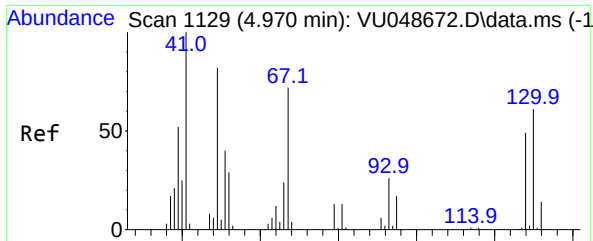
Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6





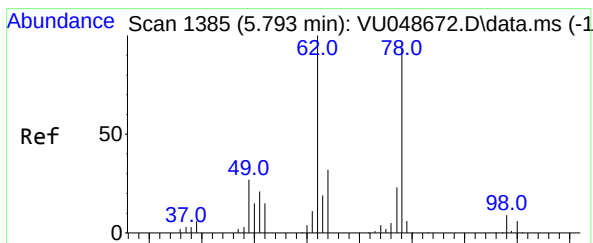
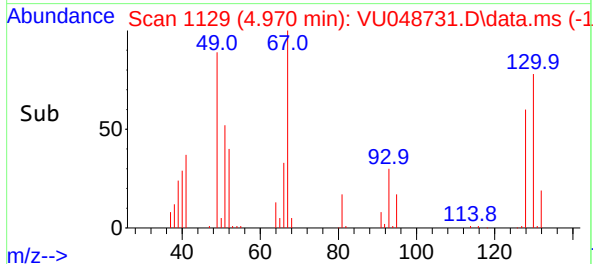
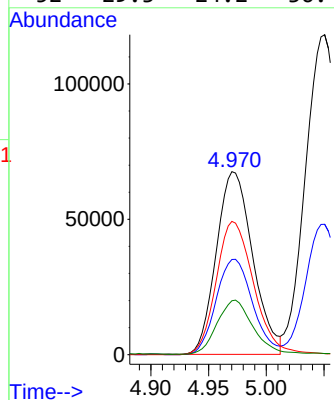
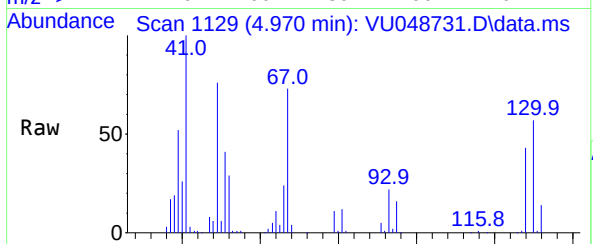


#41  
Methacrylonitrile  
Concen: 53.162 ug/l  
RT: 4.970 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 41 Resp: 148039

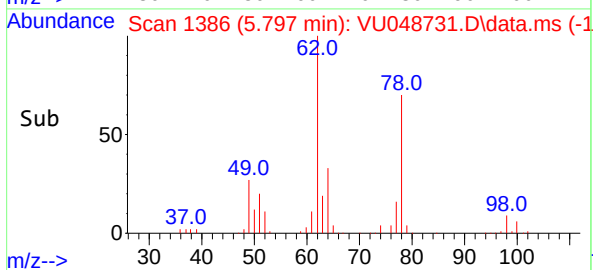
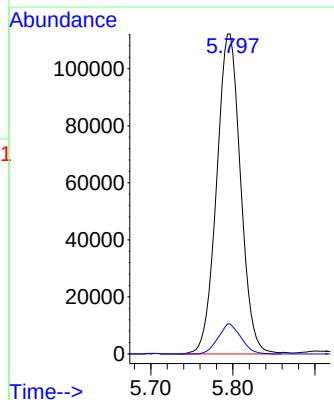
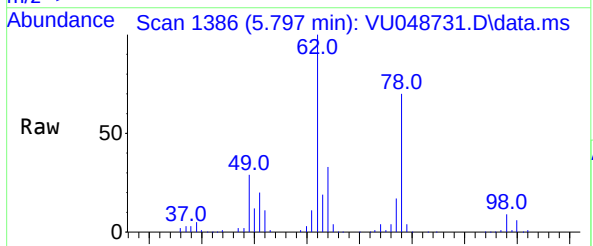
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 52.5  | 42.6  | 64.0  |
| 67  | 75.6  | 61.0  | 91.4  |
| 52  | 29.3  | 24.2  | 36.4  |

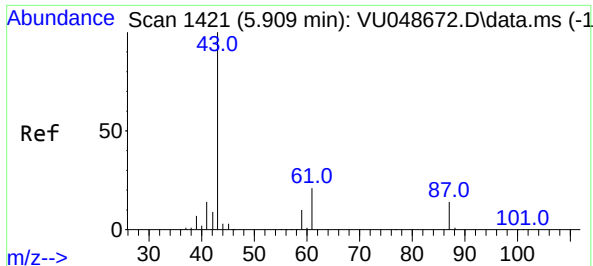


#42  
1,2-Dichloroethane  
Concen: 45.115 ug/l  
RT: 5.797 min Scan# 1386  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 62 Resp: 227271

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.0   | 0.0   | 17.0  |

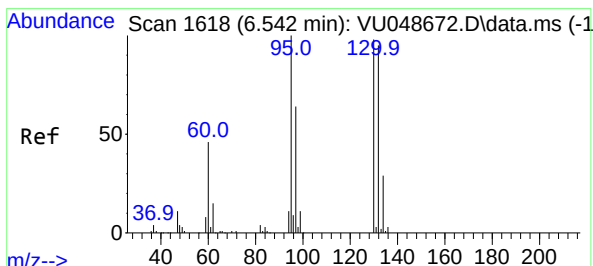
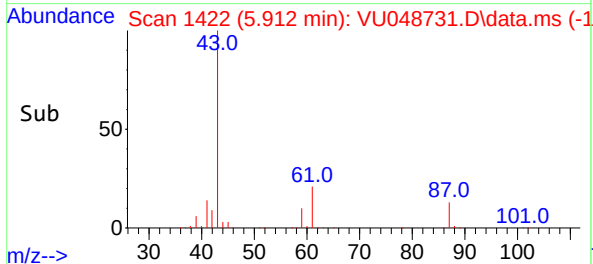
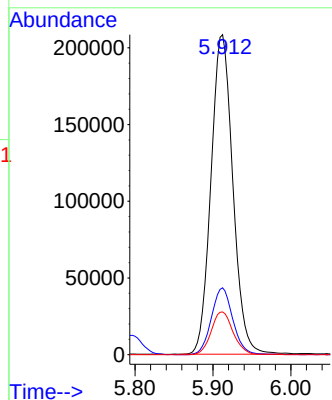
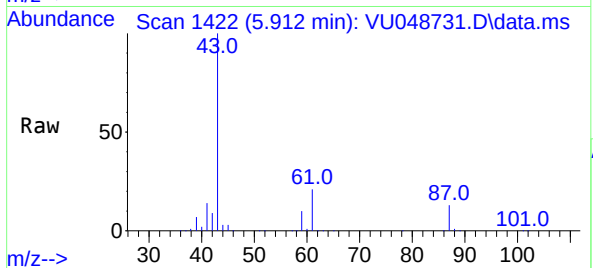




#43  
Isopropyl Acetate  
Concen: 50.757 ug/l  
RT: 5.912 min Scan# 1421  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

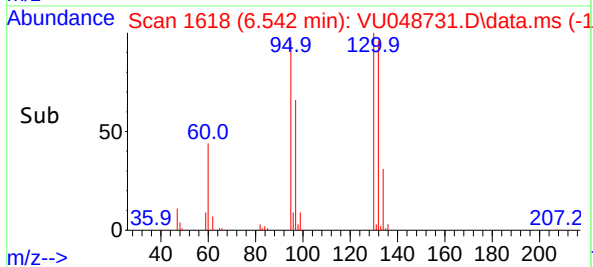
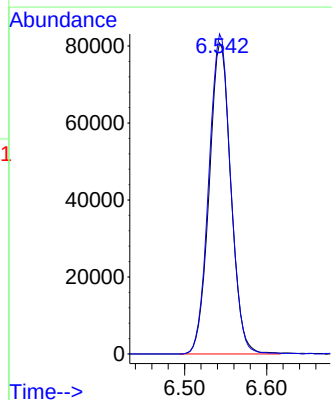
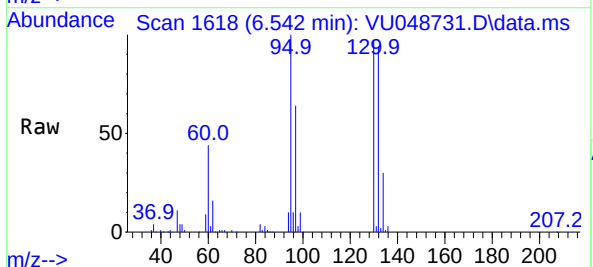
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

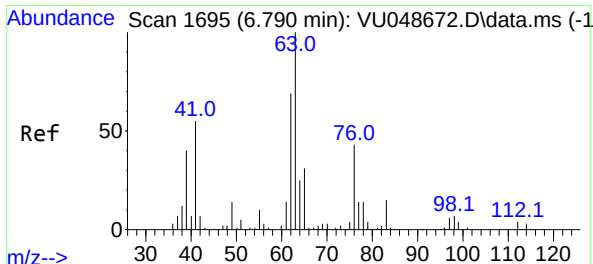
Tgt Ion: 43 Resp: 405961  
Ion Ratio Lower Upper  
43 100  
61 20.7 16.7 25.1  
87 13.5 10.9 16.3



#44  
Trichloroethene  
Concen: 44.781 ug/l  
RT: 6.542 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 130 Resp: 148471  
Ion Ratio Lower Upper  
130 100  
95 102.9 0.0 204.8





#45

1,2-Dichloropropane

Concen: 52.730 ug/l

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048731.D

Acq: 31 May 2022 11:00

Instrument :

MSVOA\_U

ClientSampleId :

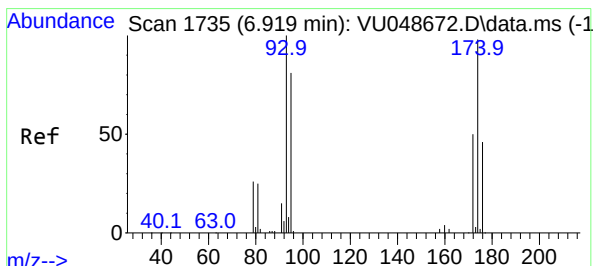
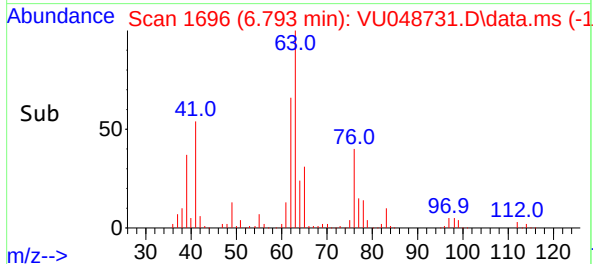
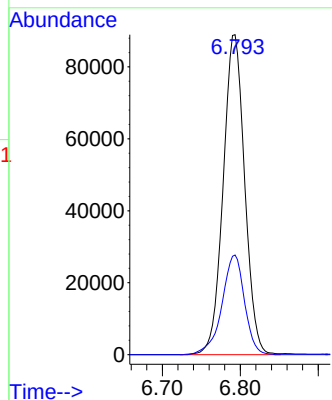
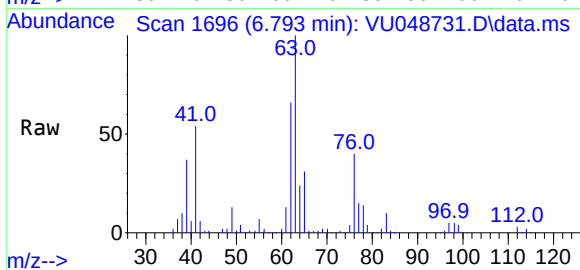
VSTDCCC050

Tgt Ion: 63 Resp: 170837

Ion Ratio Lower Upper

63 100

65 31.2 24.8 37.2



#46

Dibromomethane

Concen: 47.304 ug/l

RT: 6.919 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VU048731.D

Acq: 31 May 2022 11:00

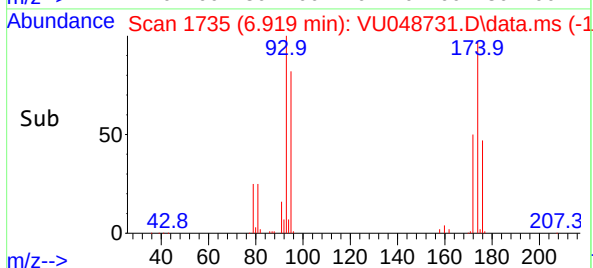
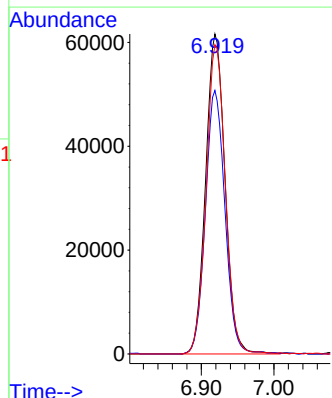
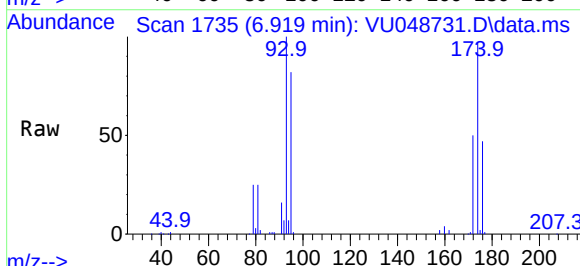
Tgt Ion: 93 Resp: 114499

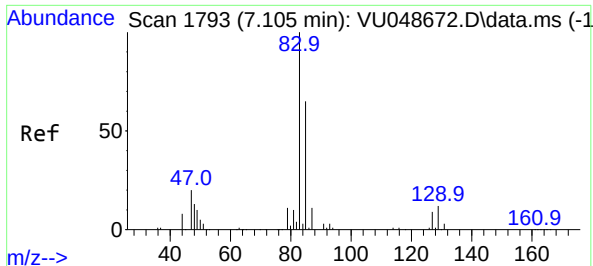
Ion Ratio Lower Upper

93 100

95 83.1 65.1 97.7

174 95.6 77.8 116.6

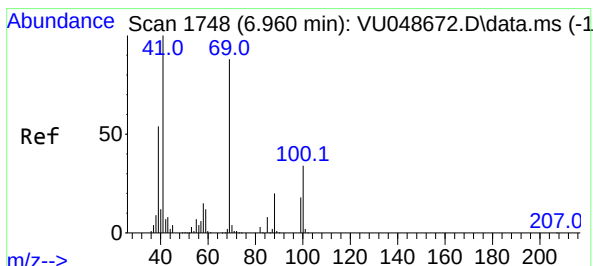
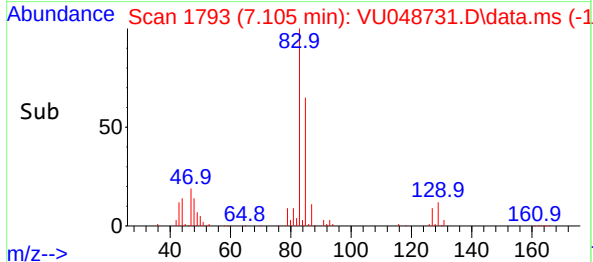
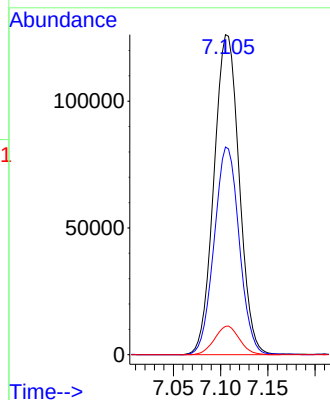
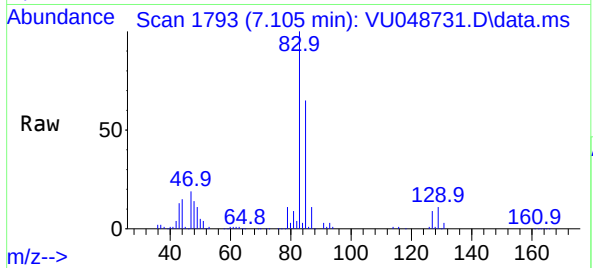




#47  
Bromodichloromethane  
Concen: 47.927 ug/l  
RT: 7.105 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

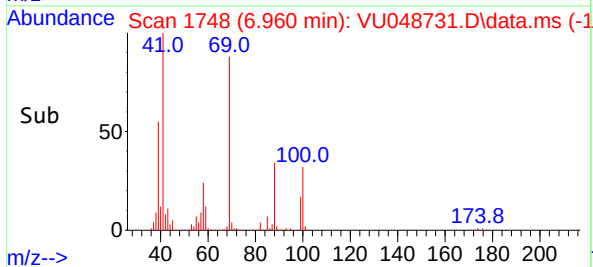
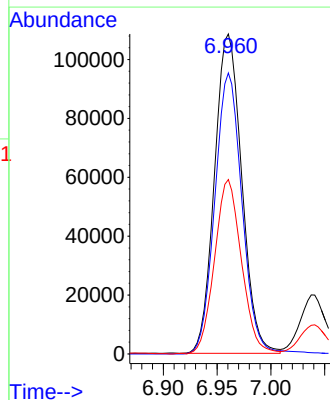
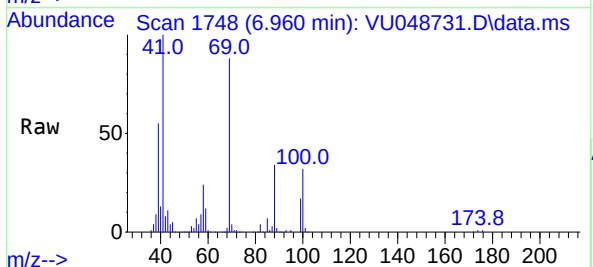
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

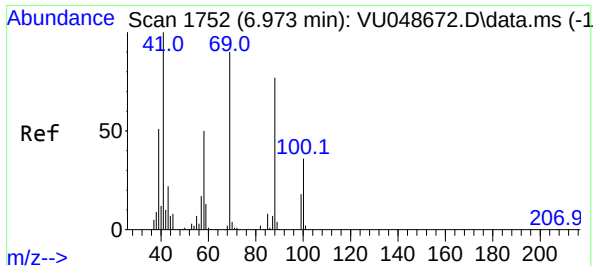
Tgt Ion: 83 Resp: 234599  
Ion Ratio Lower Upper  
83 100  
85 64.9 52.1 78.1  
127 8.8 6.9 10.3



#48  
Methyl methacrylate  
Concen: 53.360 ug/l  
RT: 6.960 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 41 Resp: 191593  
Ion Ratio Lower Upper  
41 100  
69 87.9 70.7 106.1  
39 53.9 43.4 65.2





#49

1,4-Dioxane

Concen: 1089.347 ug/l

RT: 6.970 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048731.D

Acq: 31 May 2022 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

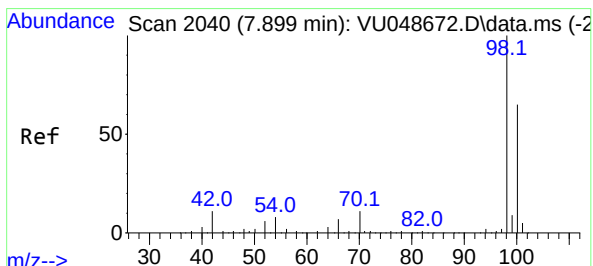
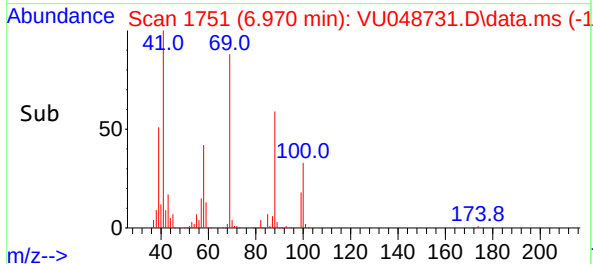
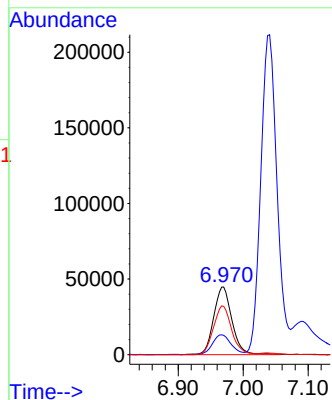
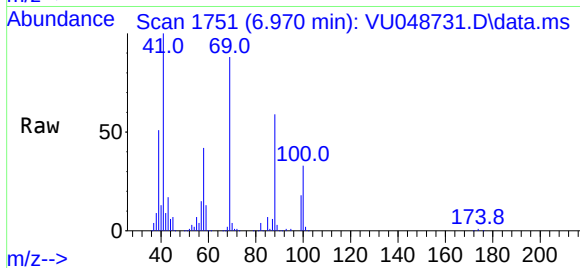
Tgt Ion: 88 Resp: 87436

Ion Ratio Lower Upper

88 100

43 29.6 24.6 36.8

58 71.5 54.7 82.1



#50

Toluene-d8

Concen: 49.192 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VU048731.D

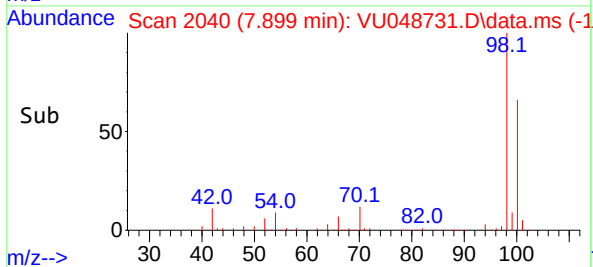
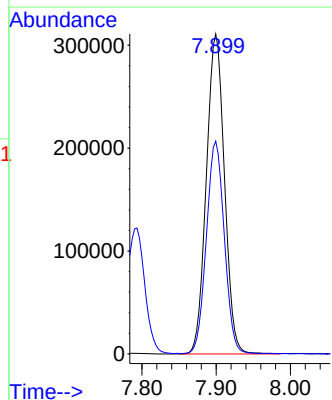
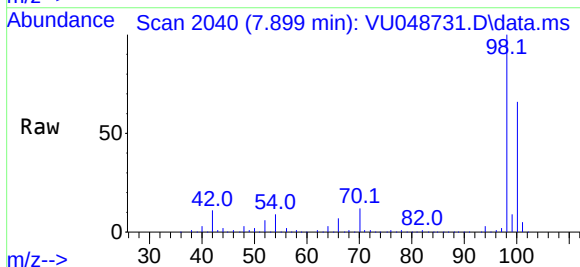
Acq: 31 May 2022 11:00

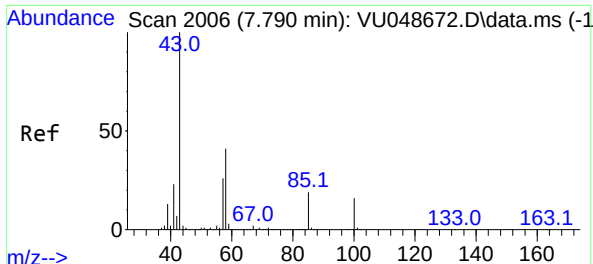
Tgt Ion: 98 Resp: 526660

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4

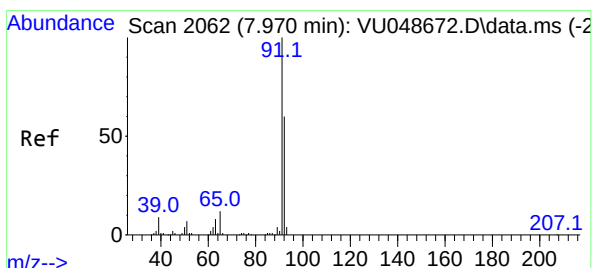
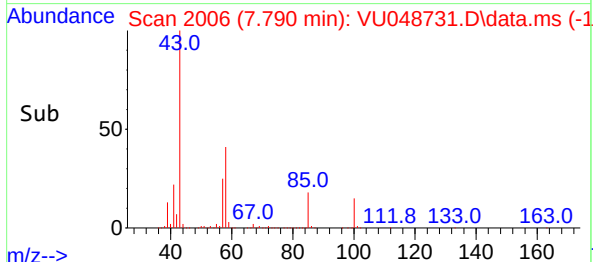
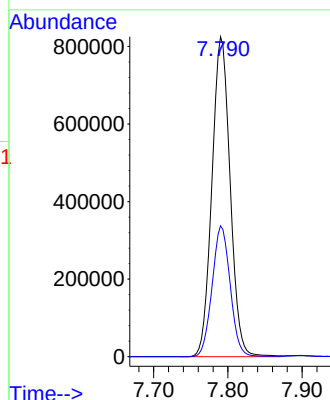
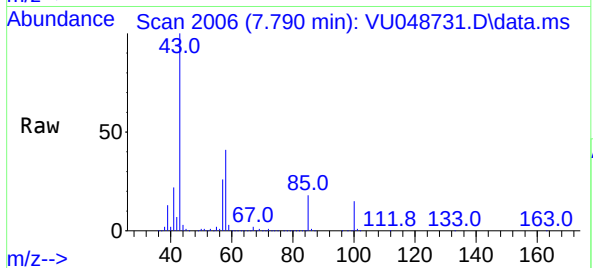




#51  
4-Methyl-2-Pentanone  
Concen: 270.130 ug/l  
RT: 7.790 min Scan# 2006  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

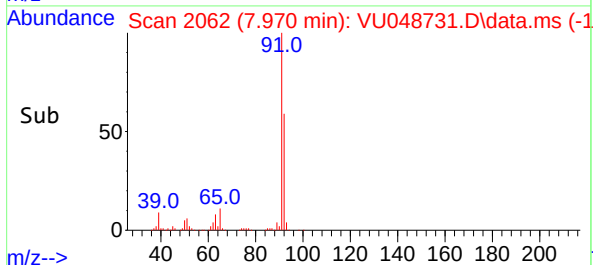
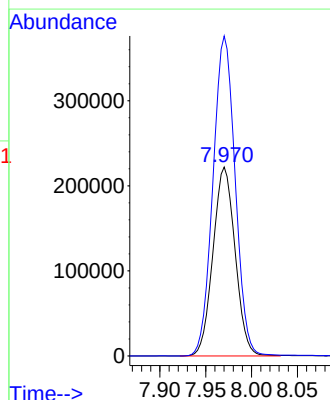
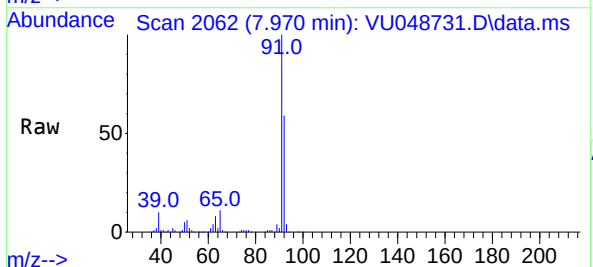
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

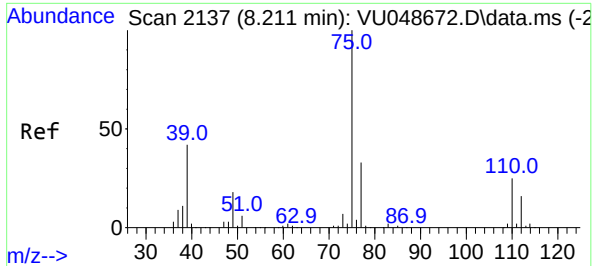
Tgt Ion: 43 Resp: 1402889  
Ion Ratio Lower Upper  
43 100  
58 40.5 32.7 49.1



#52  
Toluene  
Concen: 48.481 ug/l  
RT: 7.970 min Scan# 2062  
Delta R.T. -0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 92 Resp: 373186  
Ion Ratio Lower Upper  
92 100  
91 169.9 135.0 202.4

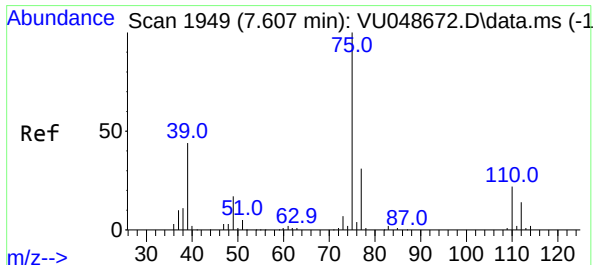
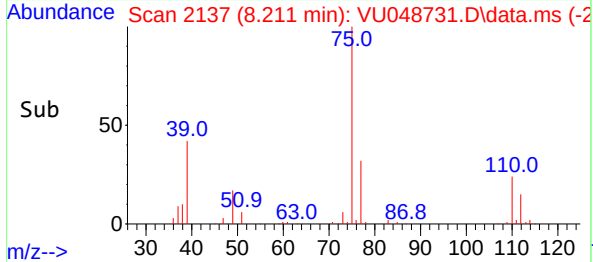
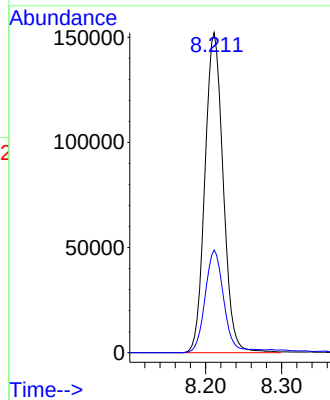
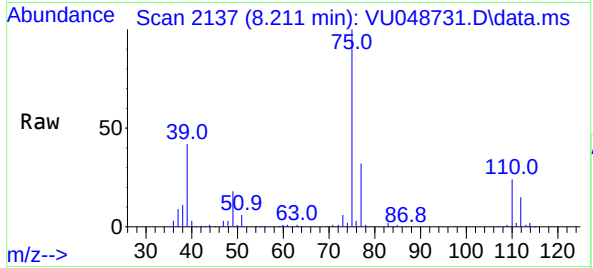




#53  
 t-1,3-Dichloropropene  
 Concen: 48.125 ug/l  
 RT: 8.211 min Scan# 2137  
 Delta R.T. -0.000 min  
 Lab File: VU048731.D  
 Acq: 31 May 2022 11:00

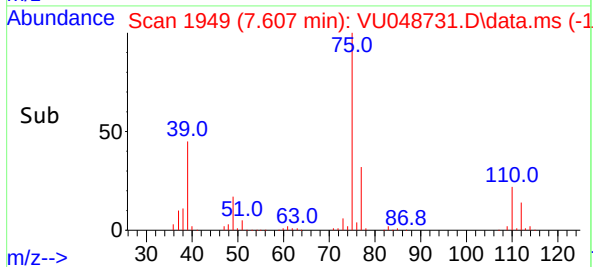
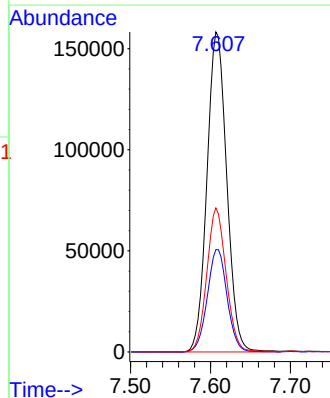
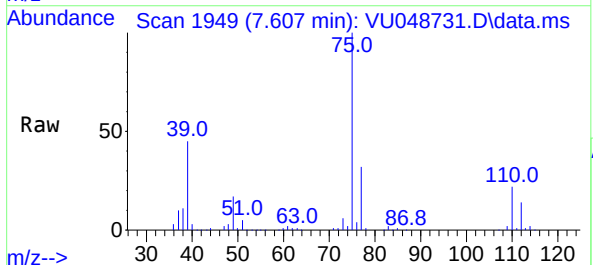
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

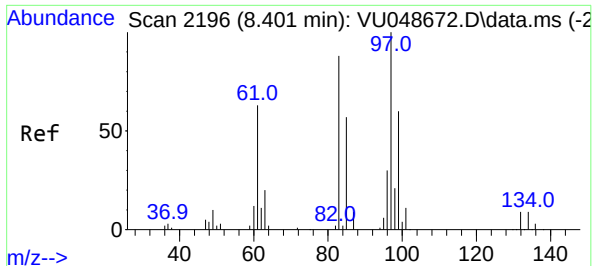
Tgt Ion: 75 Resp: 254111  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 26.2 39.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 49.779 ug/l  
 RT: 7.607 min Scan# 1949  
 Delta R.T. -0.000 min  
 Lab File: VU048731.D  
 Acq: 31 May 2022 11:00

Tgt Ion: 75 Resp: 272370  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 24.9 37.3  
 39 45.0 35.2 52.8



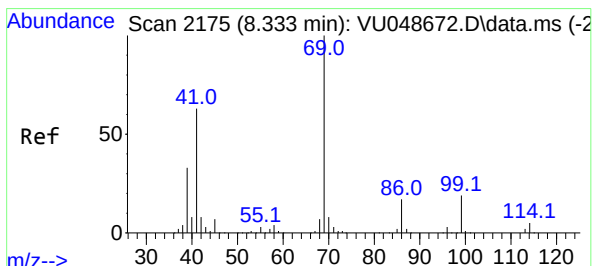
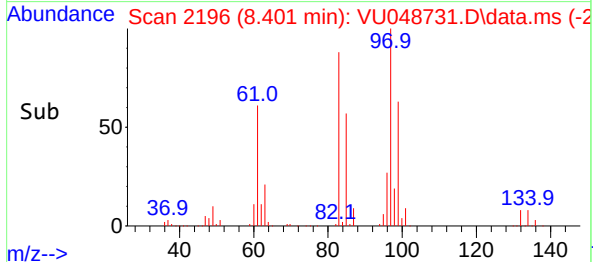
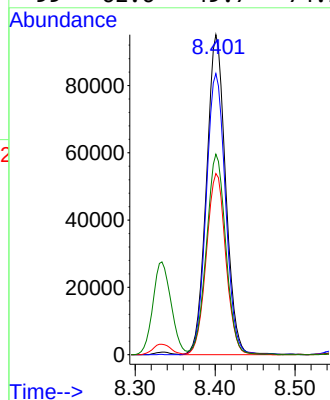
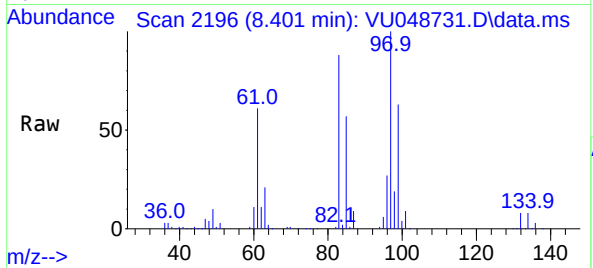


#55  
1,1,2-Trichloroethane  
Concen: 46.744 ug/l  
RT: 8.401 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 97 Resp: 158803

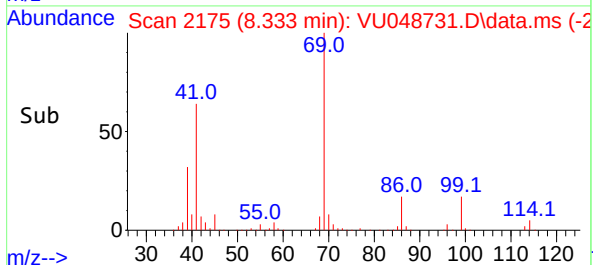
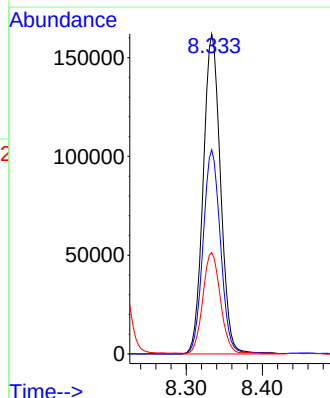
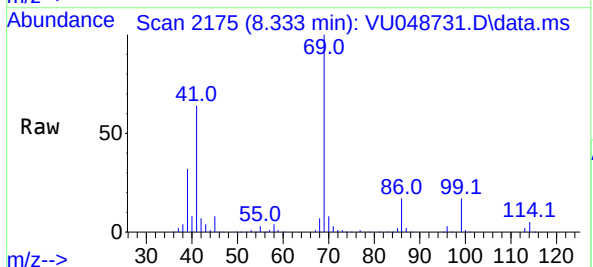
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 87.9  | 70.2  | 105.4 |
| 85  | 56.6  | 45.6  | 68.4  |
| 99  | 62.6  | 49.7  | 74.5  |



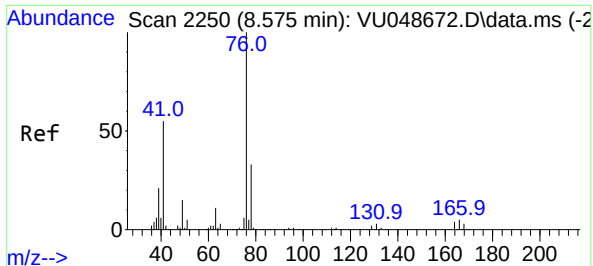
#56  
Ethyl methacrylate  
Concen: 47.828 ug/l  
RT: 8.333 min Scan# 2175  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 69 Resp: 256117

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 64.6  | 50.6  | 76.0  |
| 39  | 31.6  | 26.6  | 40.0  |



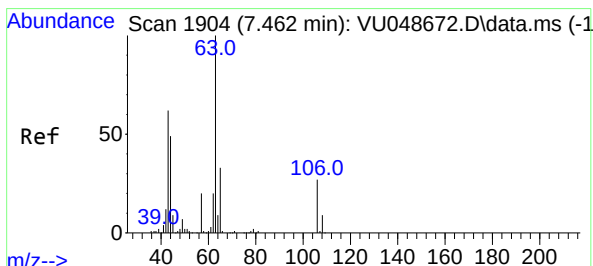
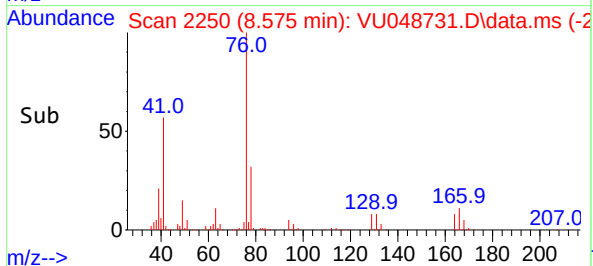
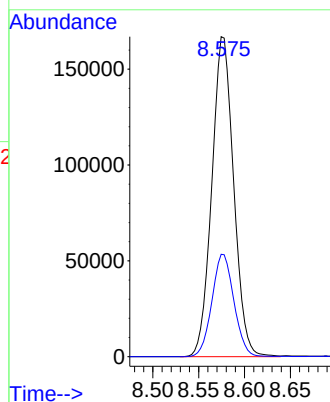
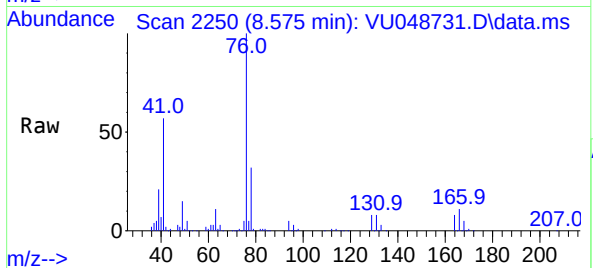




#57  
1,3-Dichloropropane  
Concen: 48.392 ug/l  
RT: 8.575 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

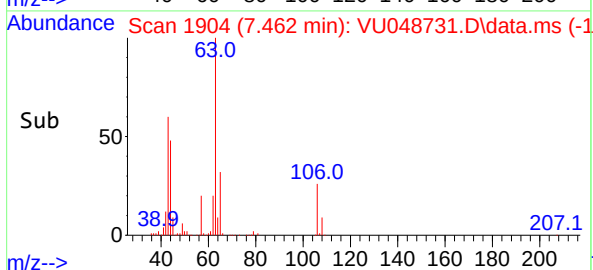
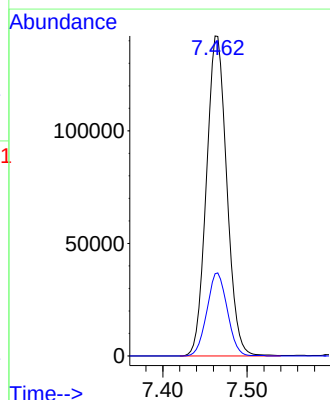
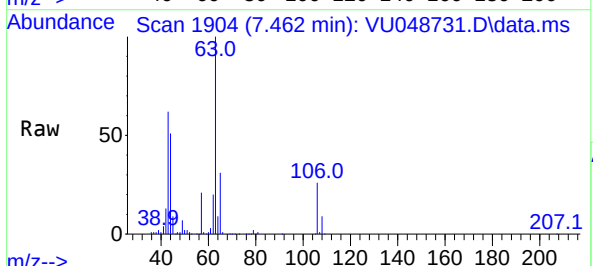
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

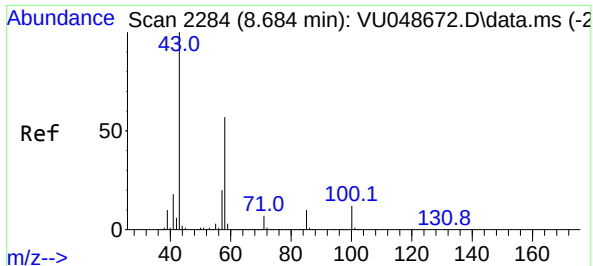
Tgt Ion: 76 Resp: 276696  
Ion Ratio Lower Upper  
76 100  
78 32.3 26.6 39.8



#58  
2-Chloroethyl Vinyl ether  
Concen: 203.402 ug/l  
RT: 7.462 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 63 Resp: 239254  
Ion Ratio Lower Upper  
63 100  
106 26.0 22.2 33.2





#59

2-Hexanone

Concen: 258.217 ug/l

RT: 8.684 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048731.D

Acq: 31 May 2022 11:00

Instrument :

MSVOA\_U

ClientSampleId :

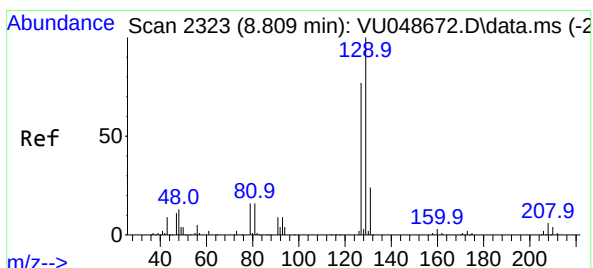
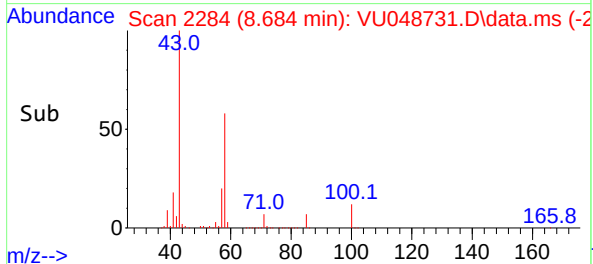
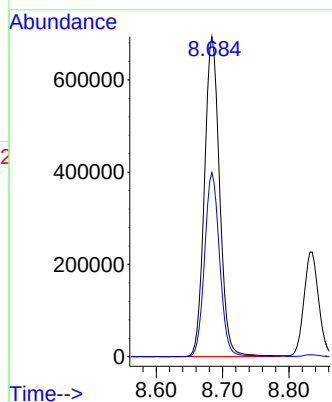
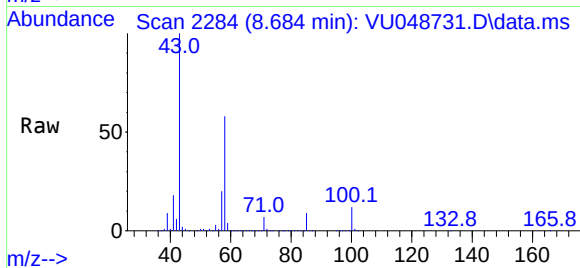
VSTDCCC050

Tgt Ion: 43 Resp: 1100939

Ion Ratio Lower Upper

43 100

58 57.1 28.2 84.6



#60

Dibromochloromethane

Concen: 47.639 ug/l

RT: 8.812 min Scan# 2324

Delta R.T. 0.003 min

Lab File: VU048731.D

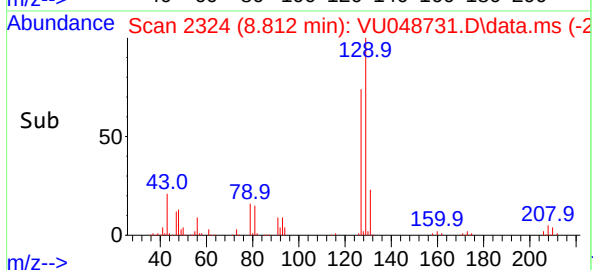
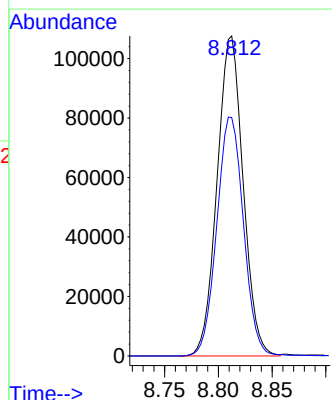
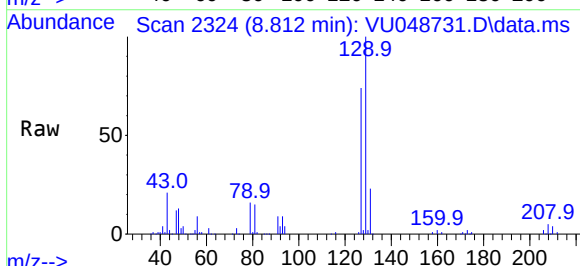
Acq: 31 May 2022 11:00

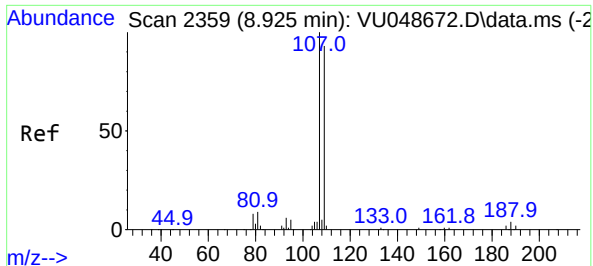
Tgt Ion:129 Resp: 181417

Ion Ratio Lower Upper

129 100

127 76.5 38.5 115.3

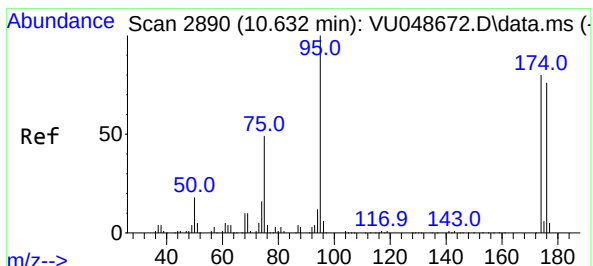
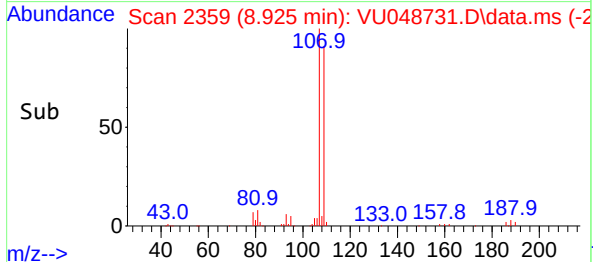
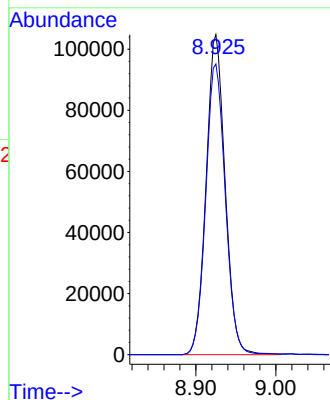
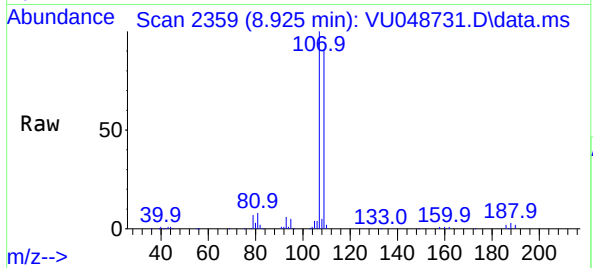




#61  
1,2-Dibromoethane  
Concen: 46.363 ug/l  
RT: 8.925 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

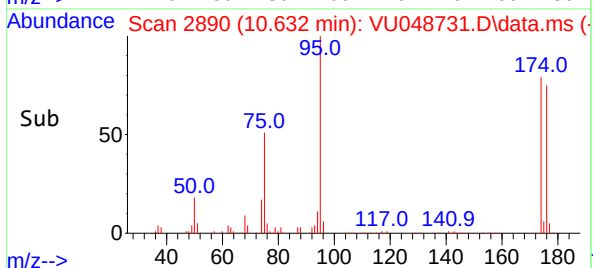
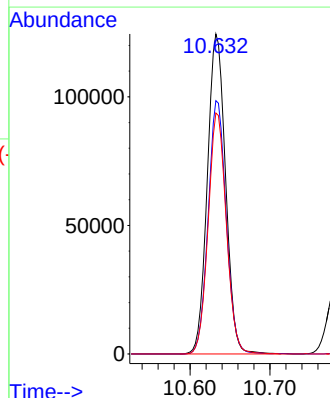
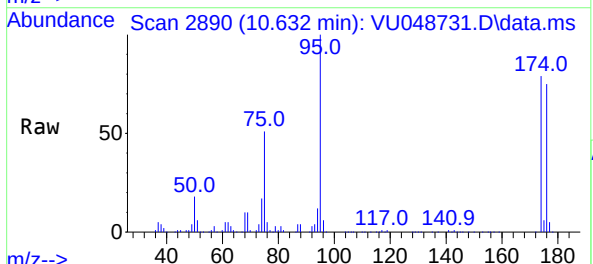
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MSVOA\_U  
ClientSampleId :  
VSTDCCC050

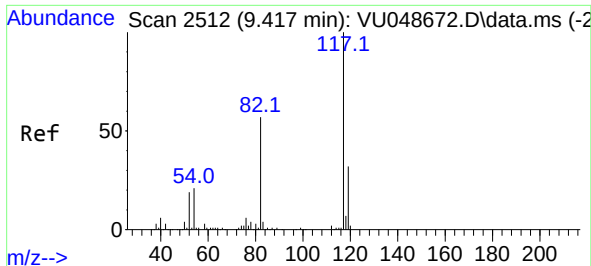
Tgt Ion:107 Resp: 173463  
Ion Ratio Lower Upper  
107 100  
109 93.1 75.7 113.5



#62  
4-Bromofluorobenzene  
Concen: 48.765 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 95 Resp: 197449  
Ion Ratio Lower Upper  
95 100  
174 78.4 0.0 159.4  
176 74.9 0.0 152.4

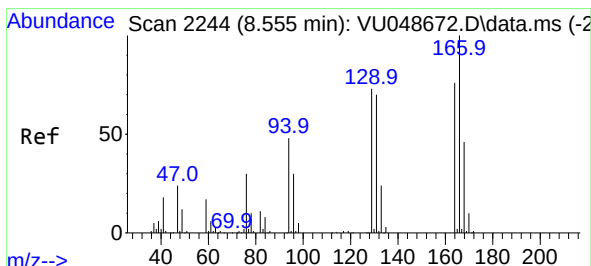
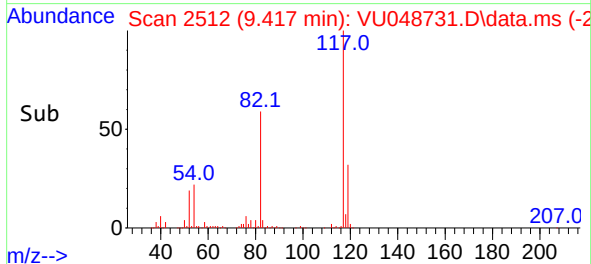
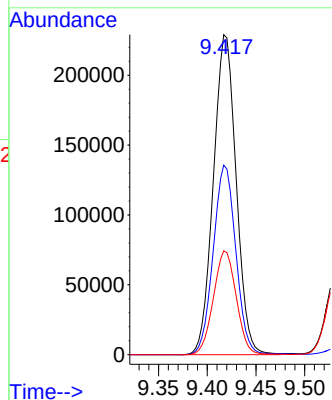
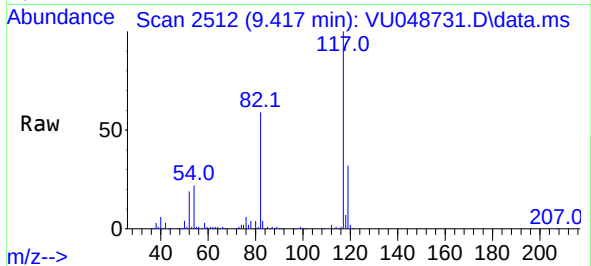




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 2512  
Delta R.T. -0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

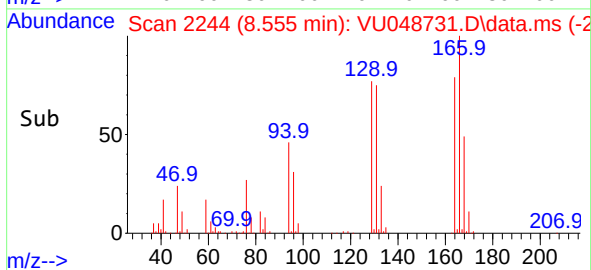
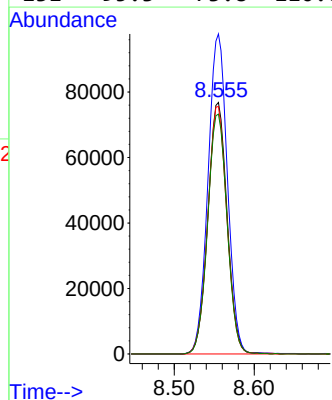
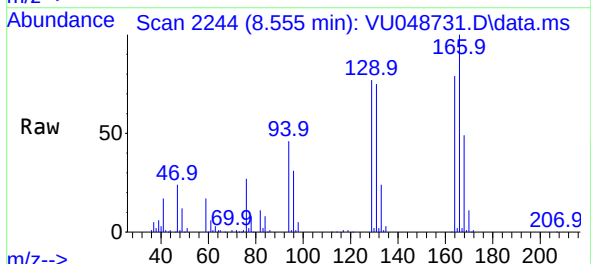
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MSVOA\_U  
ClientSampleId :  
VSTDCCC050

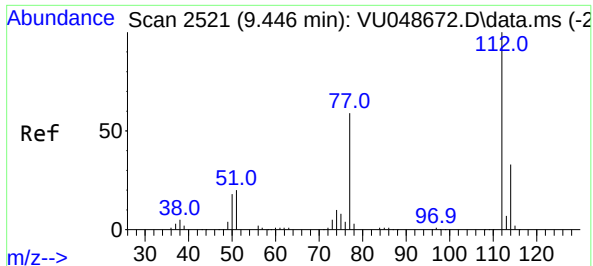
Tgt Ion:117 Resp: 372542  
Ion Ratio Lower Upper  
117 100  
82 59.3 45.3 67.9  
119 32.4 25.4 38.2



#64  
Tetrachloroethene  
Concen: 49.949 ug/l  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion:164 Resp: 129219  
Ion Ratio Lower Upper  
164 100  
166 127.2 105.0 157.4  
129 98.4 76.5 114.7  
131 95.3 73.8 110.6

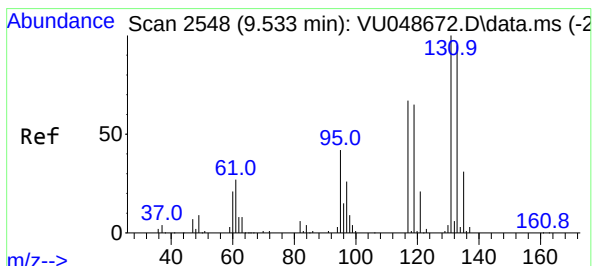
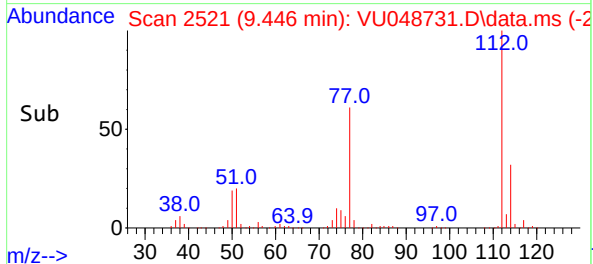
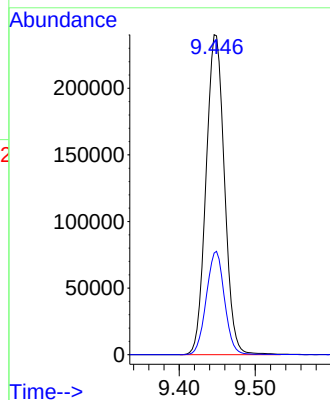
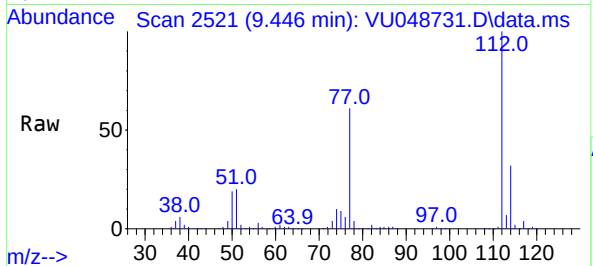




#65  
Chlorobenzene  
Concen: 51.288 ug/l  
RT: 9.446 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

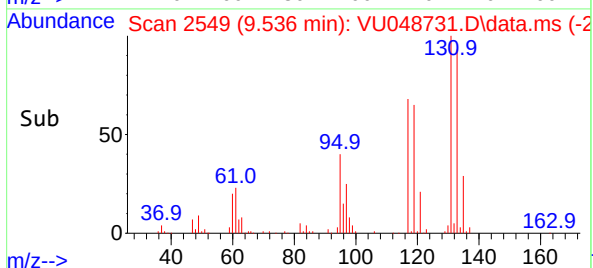
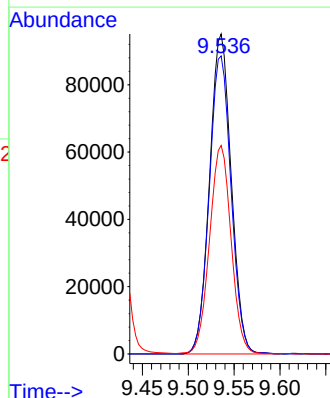
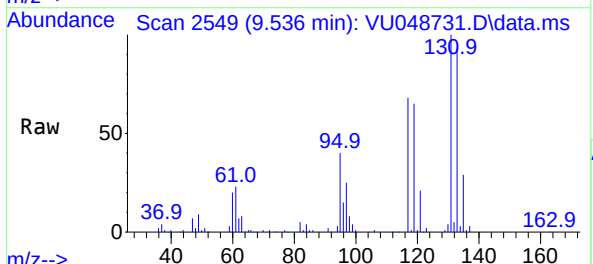
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MSVOA\_U  
ClientSampleId :  
VSTDCCC050

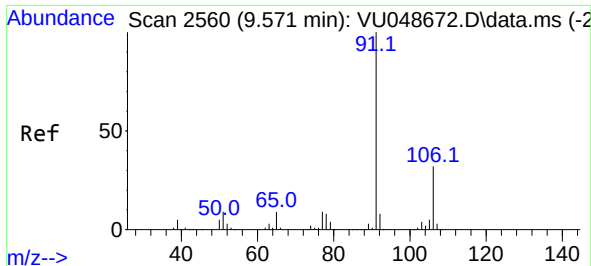
Tgt Ion:112 Resp: 404112  
Ion Ratio Lower Upper  
112 100  
114 31.7 26.3 39.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.229 ug/l  
RT: 9.536 min Scan# 2549  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion:131 Resp: 156207  
Ion Ratio Lower Upper  
131 100  
133 94.1 48.5 145.5  
119 64.7 32.7 98.1

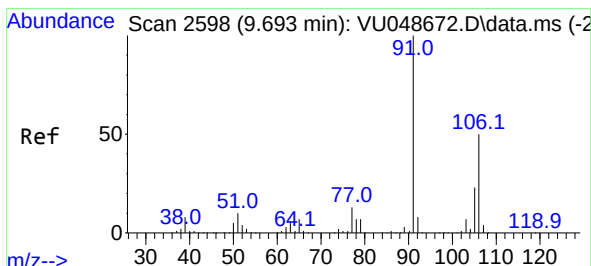
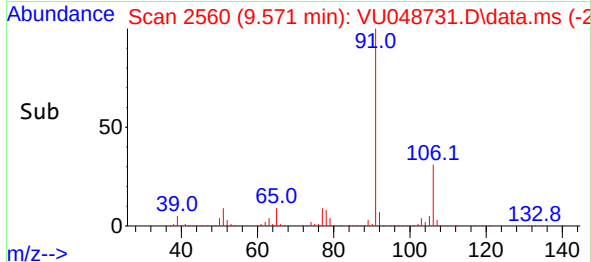
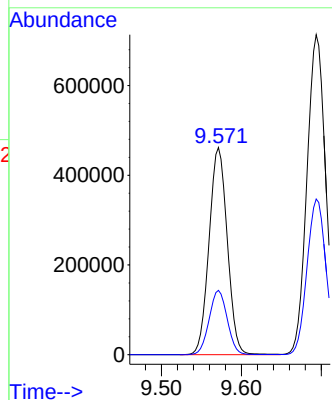
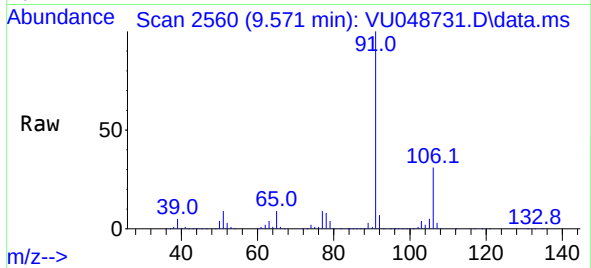




#67  
Ethyl Benzene  
Concen: 55.124 ug/l  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

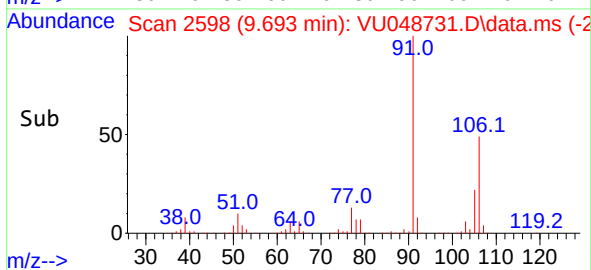
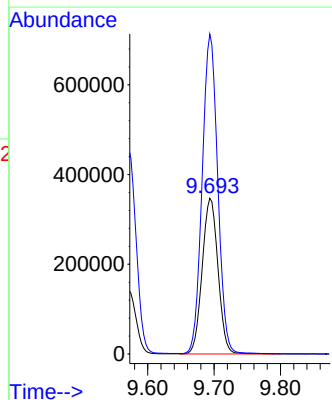
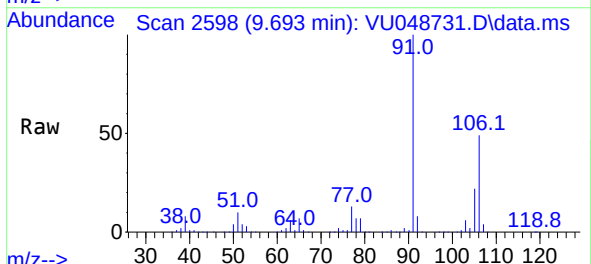
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

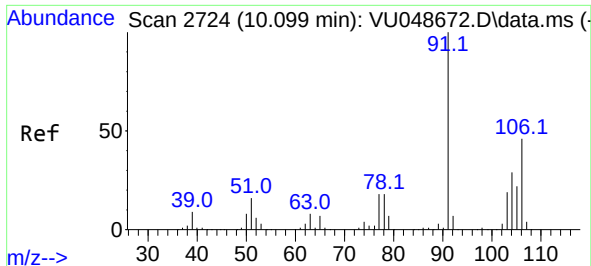
Tgt Ion: 91 Resp: 732552  
Ion Ratio Lower Upper  
91 100  
106 31.0 25.4 38.2



#68  
m/p-Xylenes  
Concen: 110.468 ug/l  
RT: 9.693 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 106 Resp: 574164  
Ion Ratio Lower Upper  
106 100  
91 202.6 162.4 243.6

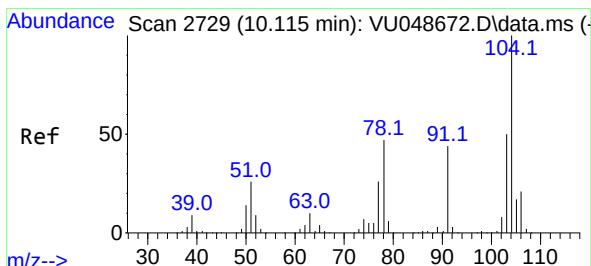
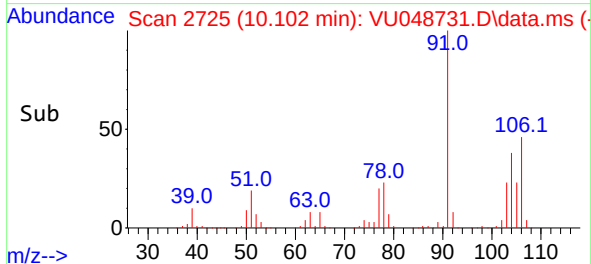
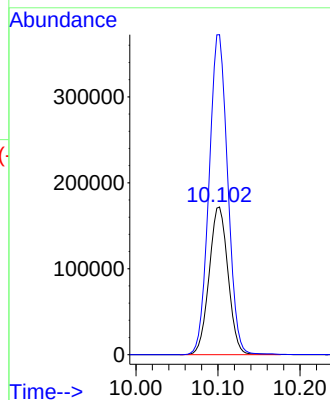
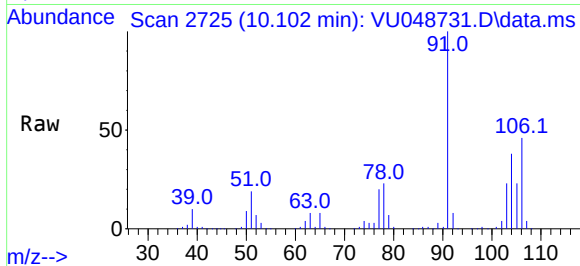




#69  
o-Xylene  
Concen: 53.874 ug/l  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

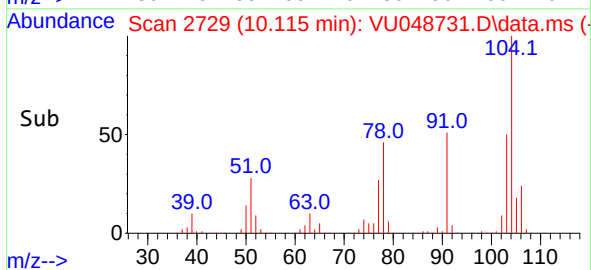
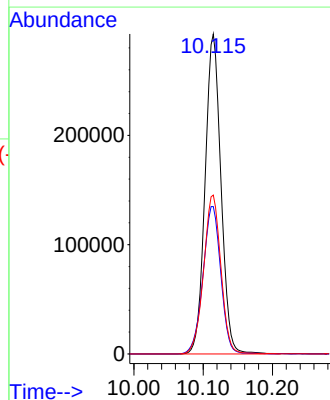
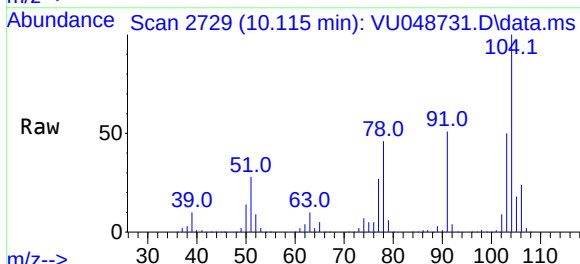
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MSVOA\_U  
ClientSampleId :  
VSTDCCC050

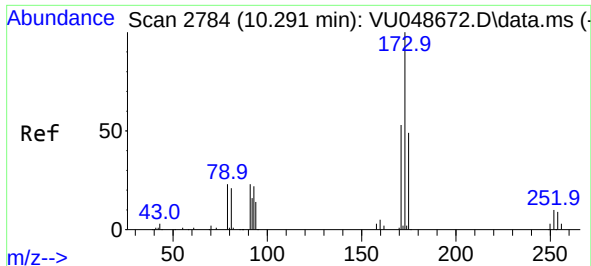
Tgt Ion:106 Resp: 275099  
Ion Ratio Lower Upper  
106 100  
91 214.1 107.7 323.3



#70  
Styrene  
Concen: 55.396 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion:104 Resp: 465277  
Ion Ratio Lower Upper  
104 100  
78 51.7 41.2 61.8  
103 54.0 43.4 65.2

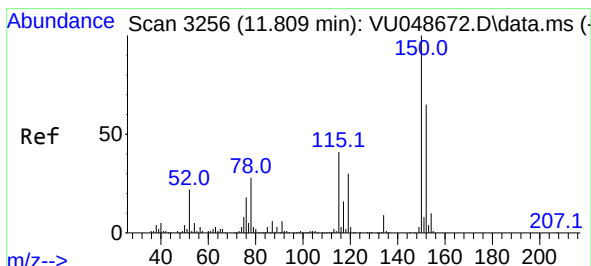
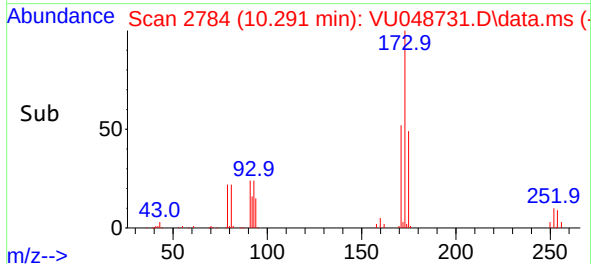
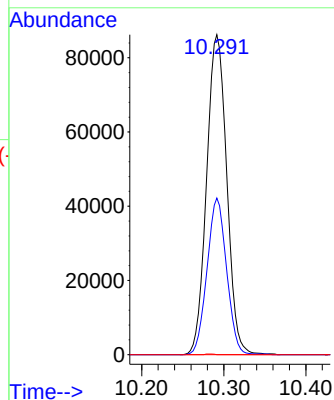
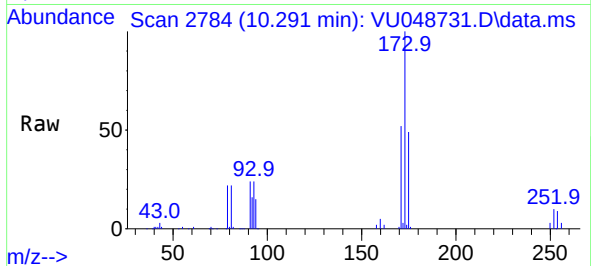




#71  
Bromoform  
Concen: 53.142 ug/l  
RT: 10.291 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

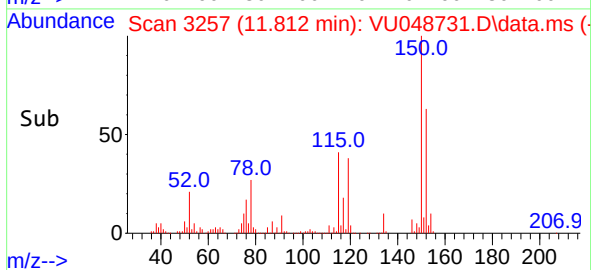
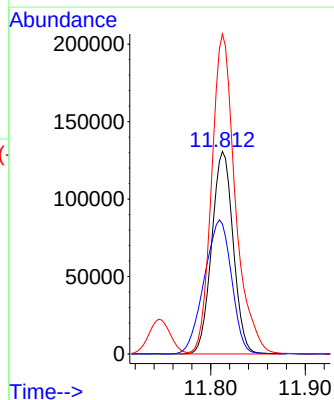
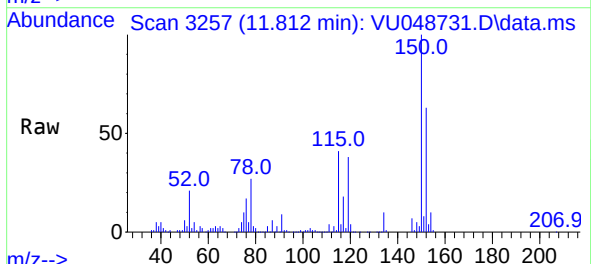
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion:173 Resp: 146950  
Ion Ratio Lower Upper  
173 100  
175 47.5 24.5 73.5  
254 0.1 0.0 0.0#

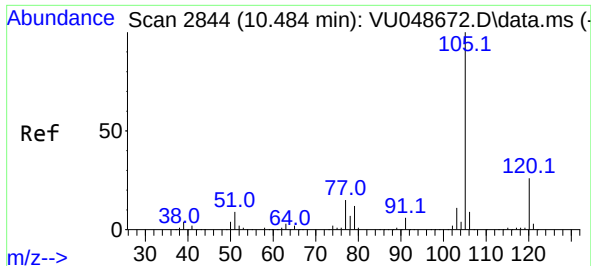


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion:152 Resp: 206256  
Ion Ratio Lower Upper  
152 100  
115 84.2 41.8 125.4  
150 173.5 0.0 341.0



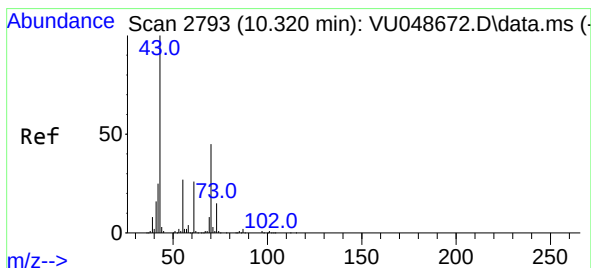
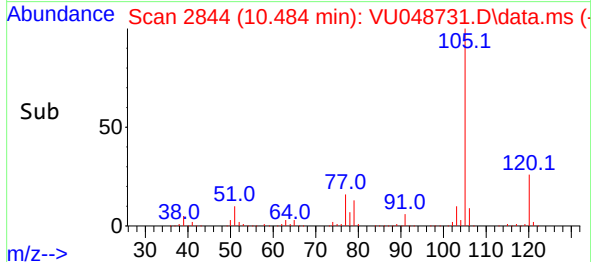
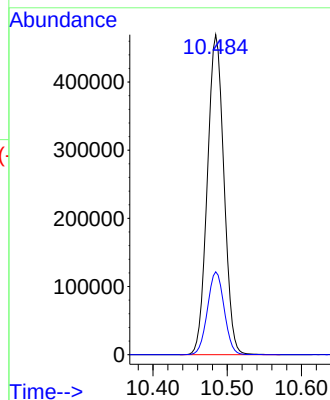
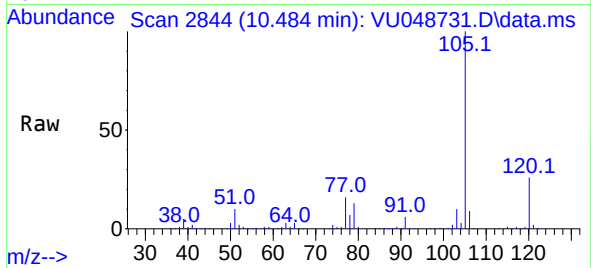




#73  
Isopropylbenzene  
Concen: 54.539 ug/l  
RT: 10.484 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

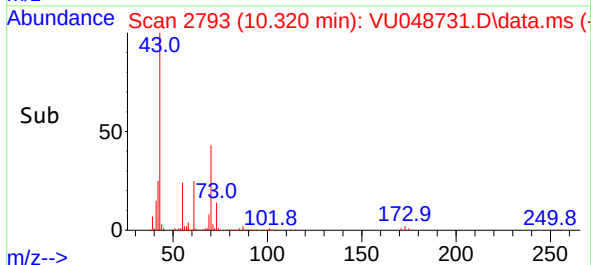
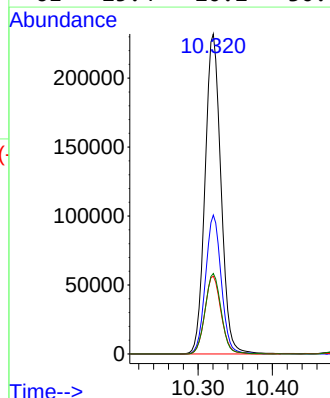
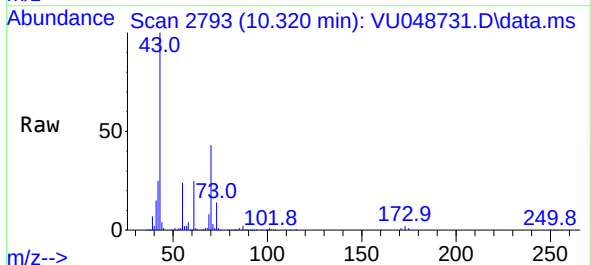
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ClientSampleId :  
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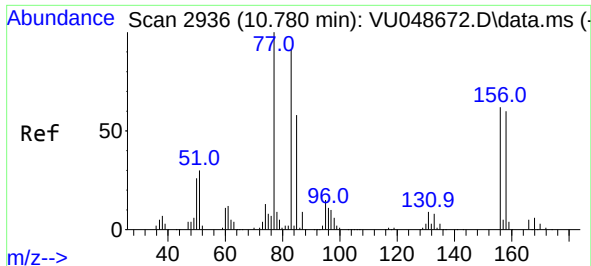
Tgt Ion:105 Resp: 726224  
Ion Ratio Lower Upper  
105 100  
120 26.2 12.9 38.6



#74  
N-ethyl acetate  
Concen: 51.061 ug/l  
RT: 10.320 min Scan# 2793  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 43 Resp: 344594  
Ion Ratio Lower Upper  
43 100  
70 43.0 35.8 53.6  
55 24.8 21.1 31.7  
61 25.4 20.2 30.4

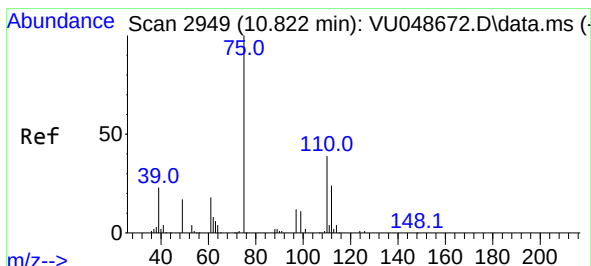
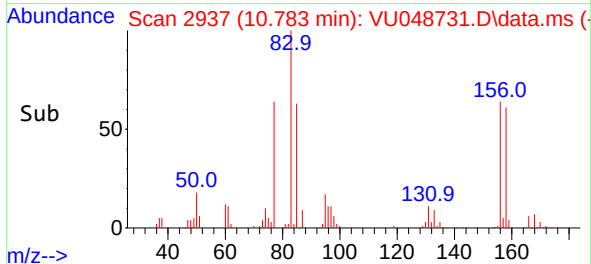
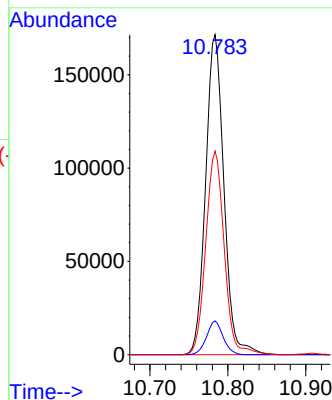
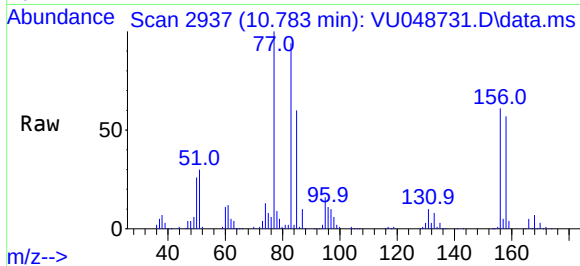




#75  
1,1,2,2-Tetrachloroethane  
Concen: 51.471 ug/l  
RT: 10.783 min Scan# 2936  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

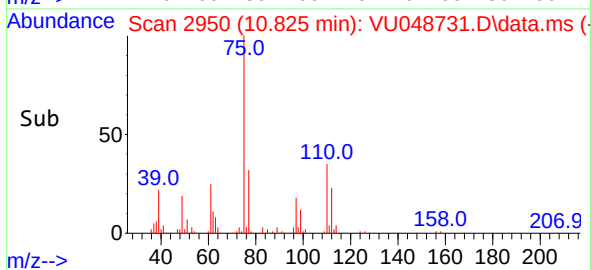
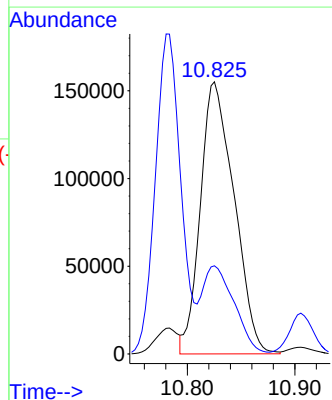
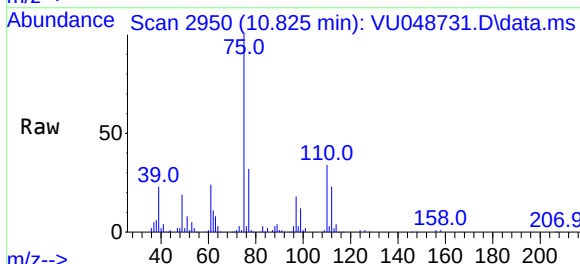
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MSVOA\_U  
ClientSampleId :  
VSTDCCC050

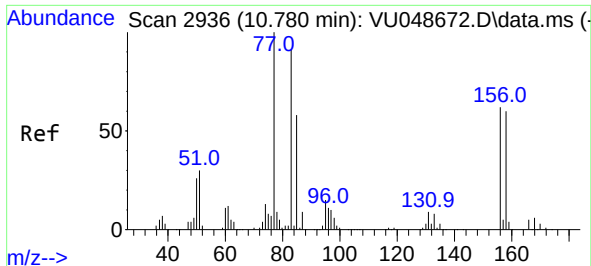
Tgt Ion: 83 Resp: 279692  
Ion Ratio Lower Upper  
83 100  
131 9.5 5.2 15.6  
85 64.3 32.5 97.4



#76  
1,2,3-Trichloropropane  
Concen: 50.791 ug/l  
RT: 10.825 min Scan# 2950  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 75 Resp: 337770  
Ion Ratio Lower Upper  
75 100  
77 30.1 14.8 44.3

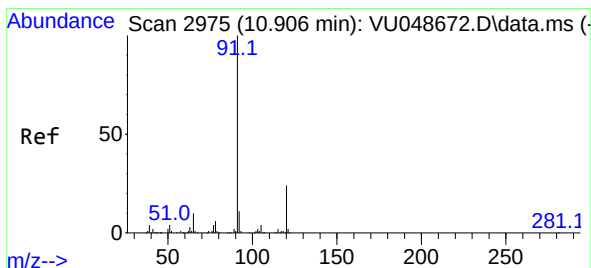
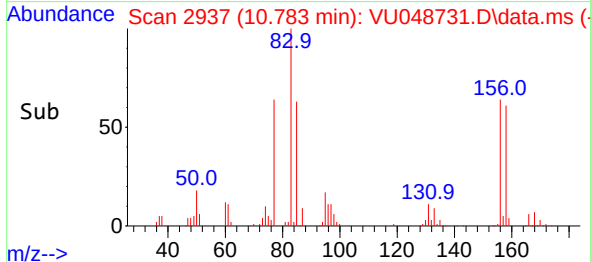
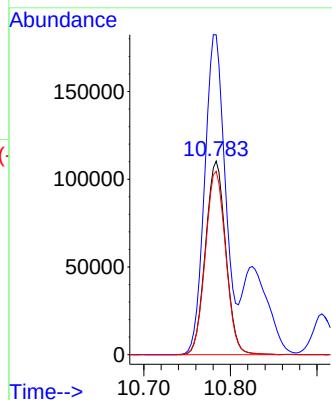
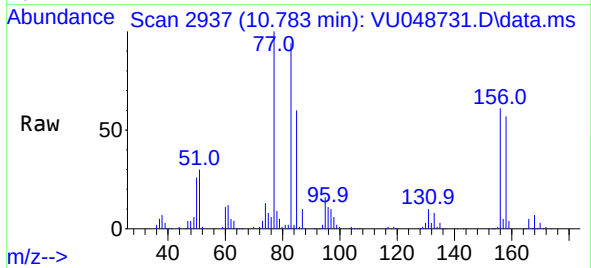




#77  
Bromobenzene  
Concen: 50.150 ug/l  
RT: 10.783 min Scan# 2936  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

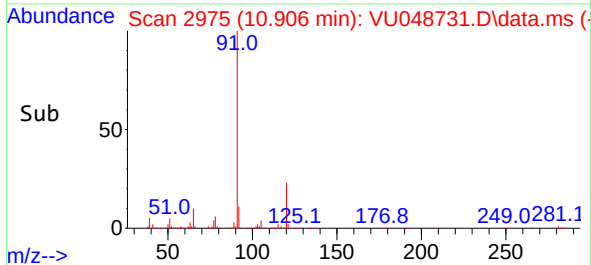
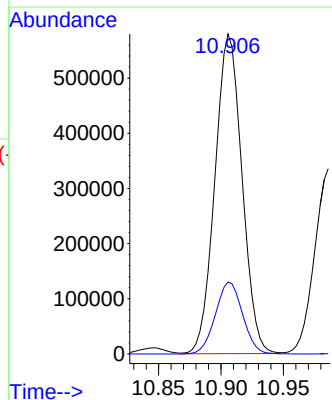
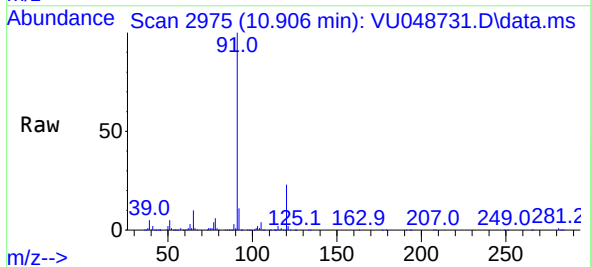
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

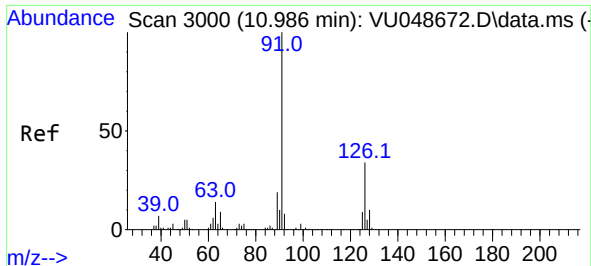
Tgt Ion:156 Resp: 179341  
Ion Ratio Lower Upper  
156 100  
77 169.1 81.1 243.3  
158 95.7 48.8 146.4



#78  
n-propylbenzene  
Concen: 55.229 ug/l  
RT: 10.906 min Scan# 2975  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 91 Resp: 876313  
Ion Ratio Lower Upper  
91 100  
120 22.6 11.6 34.7

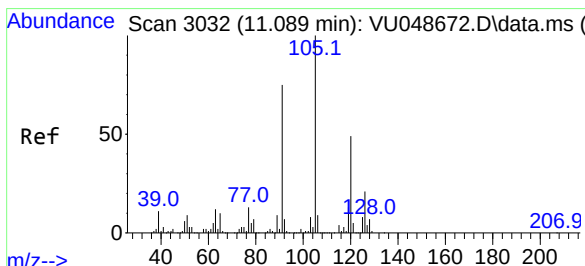
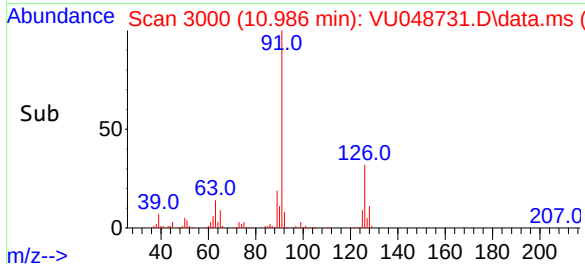
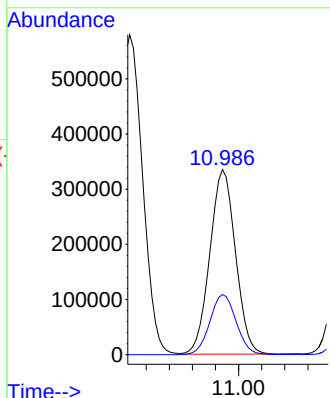
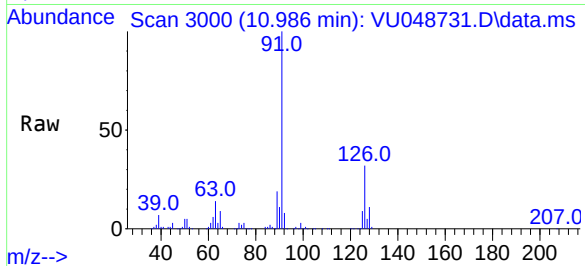




#79  
2-Chlorotoluene  
Concen: 52.297 ug/l  
RT: 10.986 min Scan# 3000  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

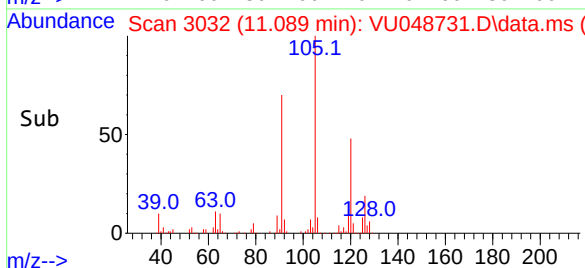
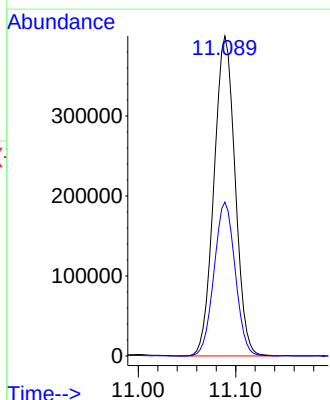
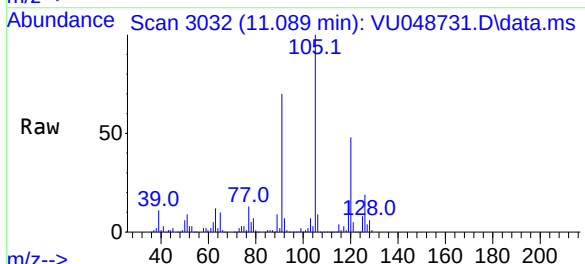
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

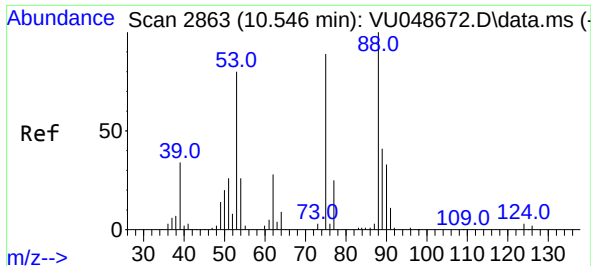
Tgt Ion: 91 Resp: 516023  
Ion Ratio Lower Upper  
91 100  
126 33.4 16.7 50.0



#80  
1,3,5-Trimethylbenzene  
Concen: 51.957 ug/l  
RT: 11.089 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 105 Resp: 601648  
Ion Ratio Lower Upper  
105 100  
120 48.2 24.1 72.3

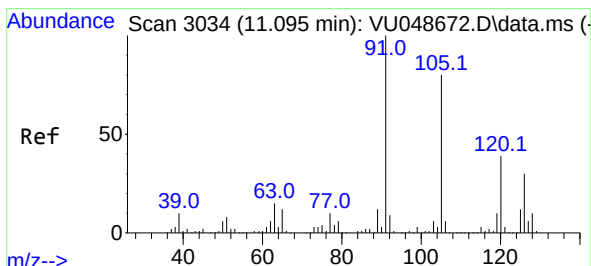
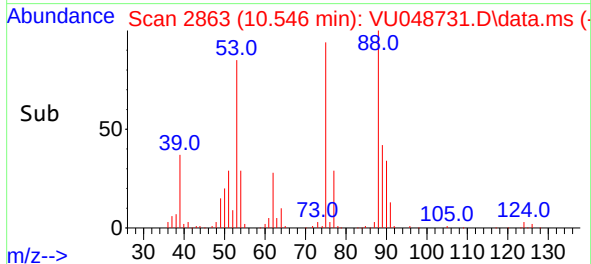
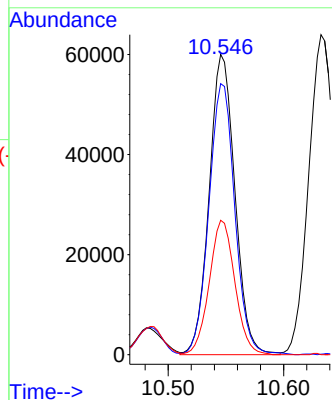
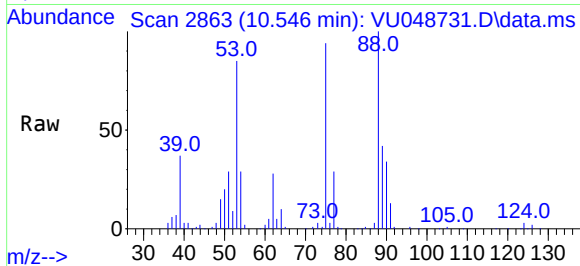




#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.797 ug/l  
RT: 10.546 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

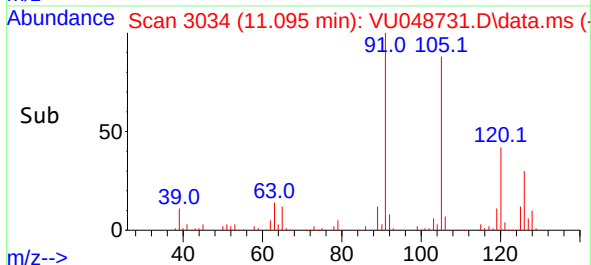
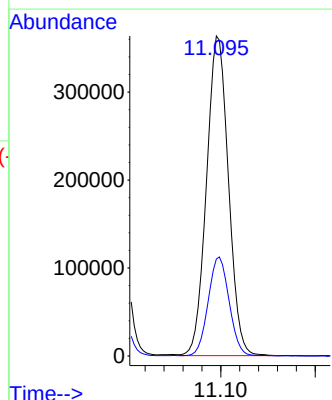
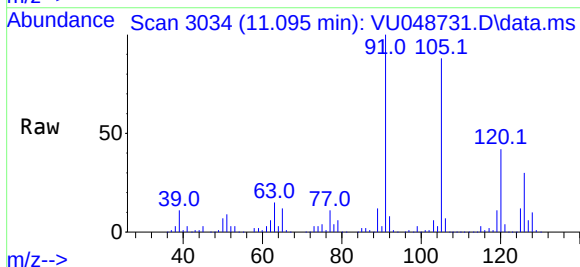
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ClientSampleId :  
VSTDCCC050

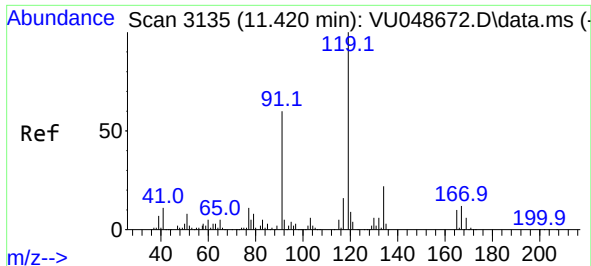
Tgt Ion: 75 Resp: 93038  
Ion Ratio Lower Upper  
75 100  
53 91.0 72.5 108.7  
89 44.5 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 51.327 ug/l  
RT: 11.095 min Scan# 3034  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 91 Resp: 584341  
Ion Ratio Lower Upper  
91 100  
126 29.8 14.4 43.2

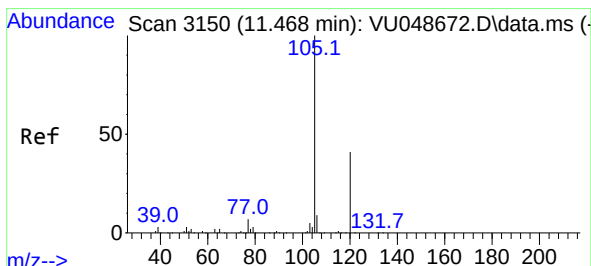
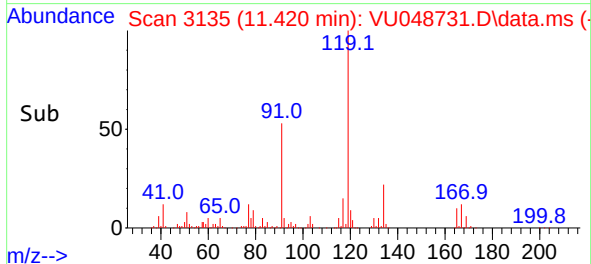
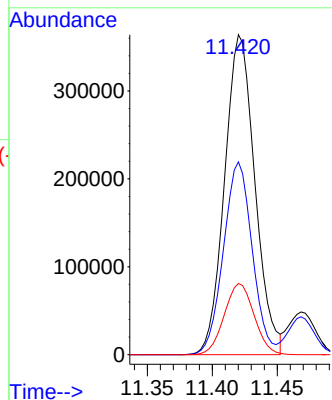
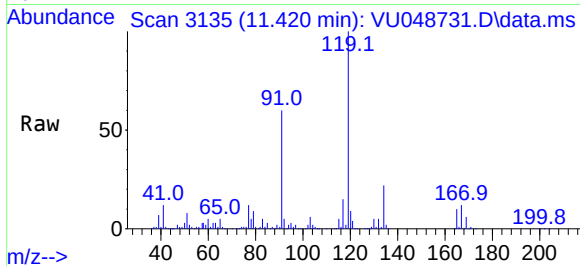




#83  
tert-Butylbenzene  
Concen: 53.253 ug/l  
RT: 11.420 min Scan# 3135  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

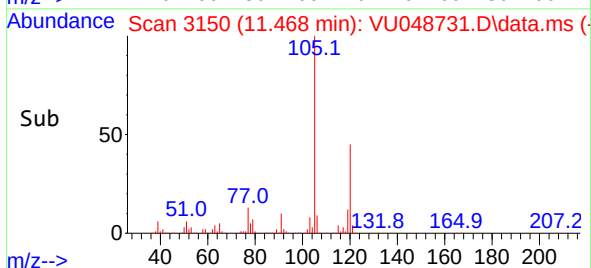
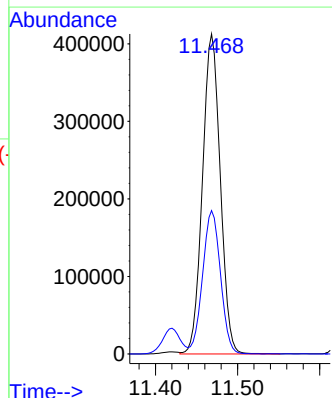
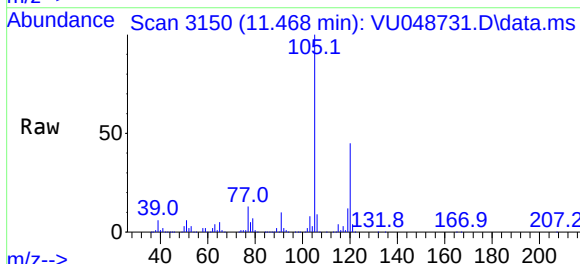
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

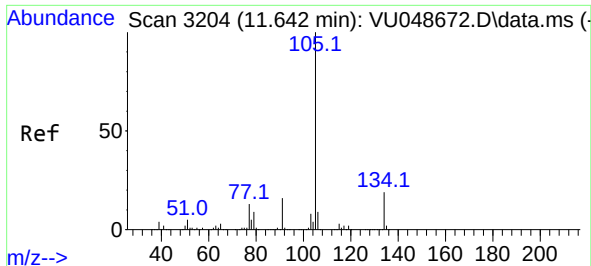
Tgt Ion:119 Resp: 591843  
Ion Ratio Lower Upper  
119 100  
91 57.2 28.7 86.1  
134 21.9 10.8 32.4



#84  
1,2,4-Trimethylbenzene  
Concen: 49.765 ug/l  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion:105 Resp: 620982  
Ion Ratio Lower Upper  
105 100  
120 45.1 22.5 67.5

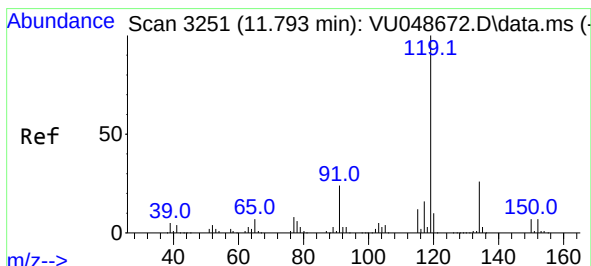
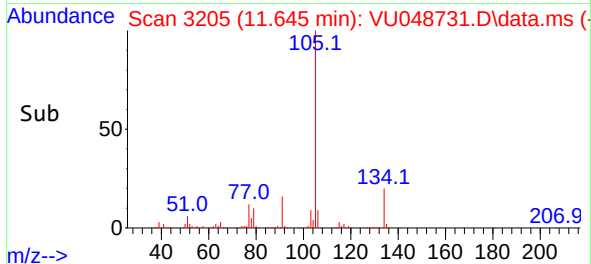
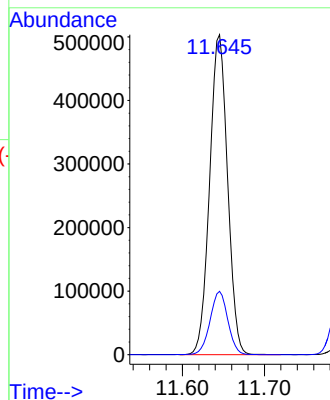
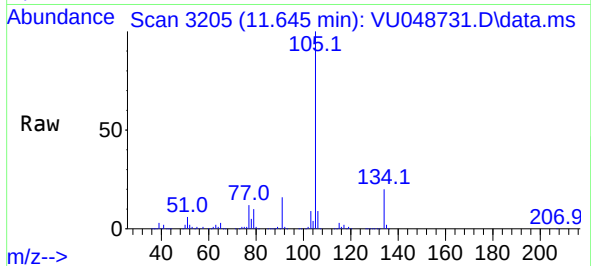




#85  
 sec-Butylbenzene  
 Concen: 54.770 ug/l  
 RT: 11.645 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU048731.D  
 Acq: 31 May 2022 11:00

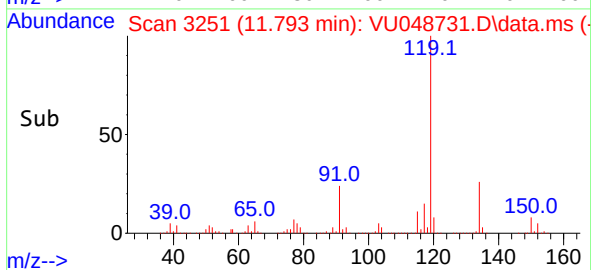
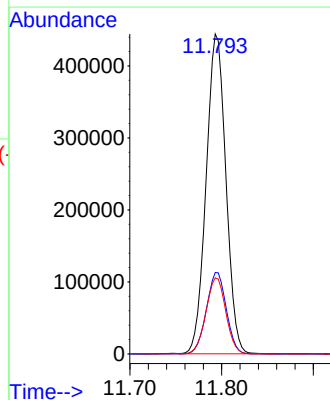
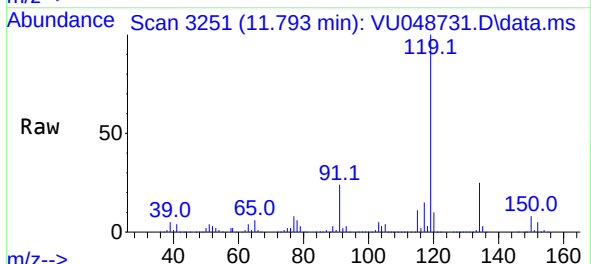
Instrument :  
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 ClientSampleId :  
 VSTDCCC050

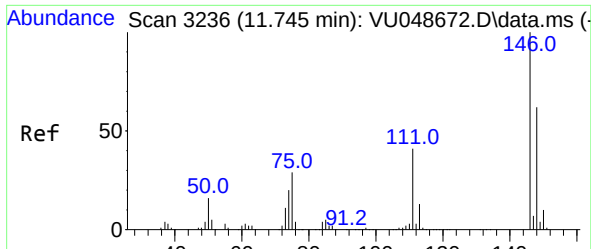
Tgt Ion:105 Resp: 761517  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.6 28.6



#86  
 p-Isopropyltoluene  
 Concen: 55.578 ug/l  
 RT: 11.793 min Scan# 3251  
 Delta R.T. -0.000 min  
 Lab File: VU048731.D  
 Acq: 31 May 2022 11:00

Tgt Ion:119 Resp: 663600  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 12.8 38.4  
 91 24.0 12.0 36.0

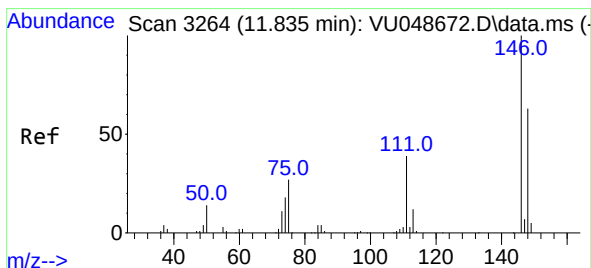
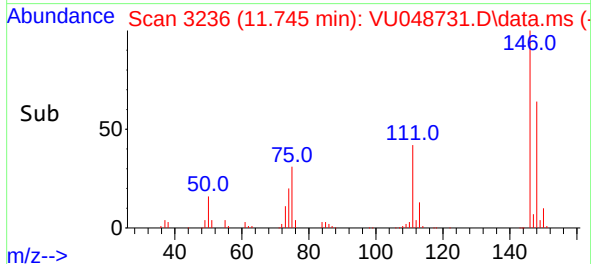
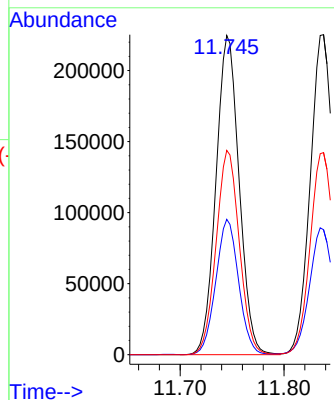
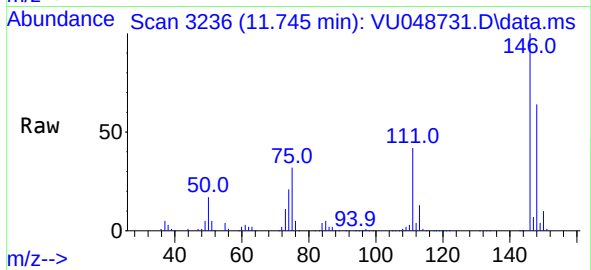




#87  
1,3-Dichlorobenzene  
Concen: 49.658 ug/l  
RT: 11.745 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

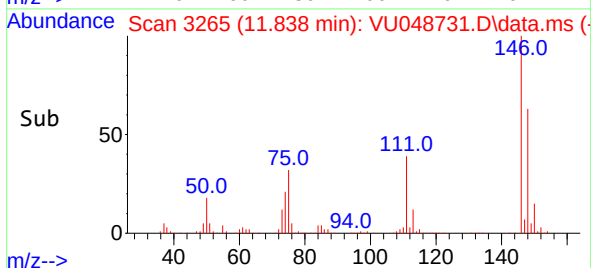
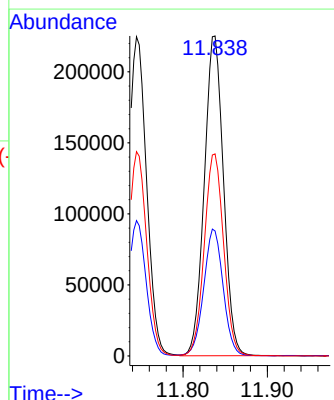
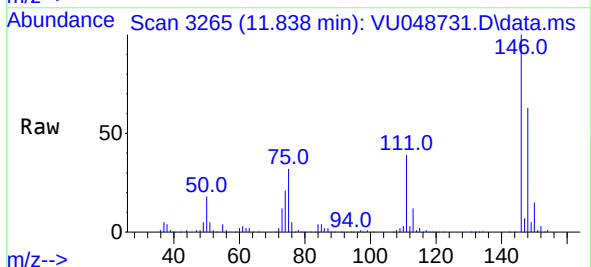
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion:146 Resp: 348175  
Ion Ratio Lower Upper  
146 100  
111 41.6 20.6 61.9  
148 64.2 31.6 95.0

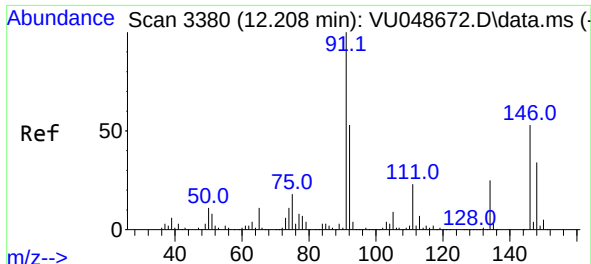


#88  
1,4-Dichlorobenzene  
Concen: 49.305 ug/l  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion:146 Resp: 357159  
Ion Ratio Lower Upper  
146 100  
111 40.2 20.2 60.6  
148 64.0 32.4 97.0



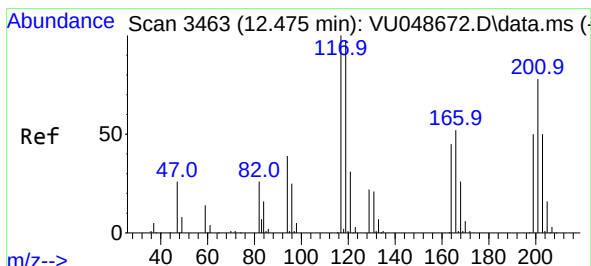
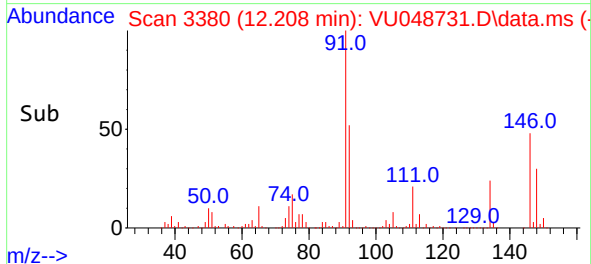
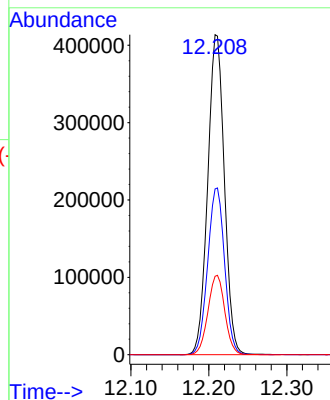
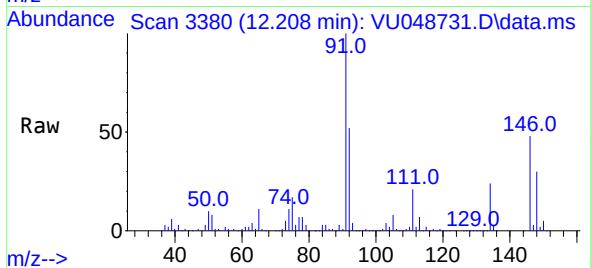




#89  
n-Butylbenzene  
Concen: 51.347 ug/l  
RT: 12.208 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

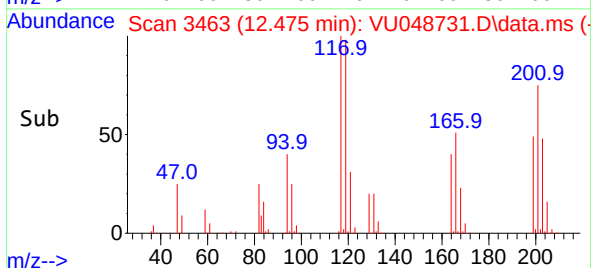
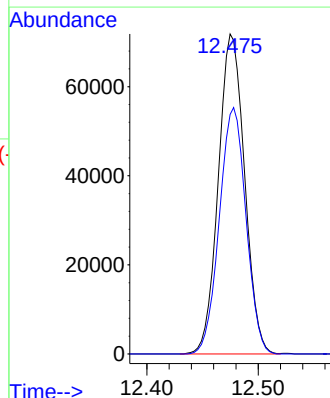
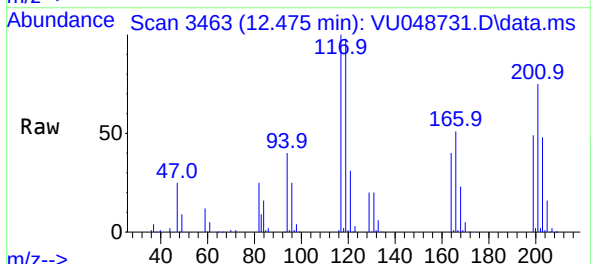
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MSVOA\_U  
ClientSampleId :  
VSTDCCC050

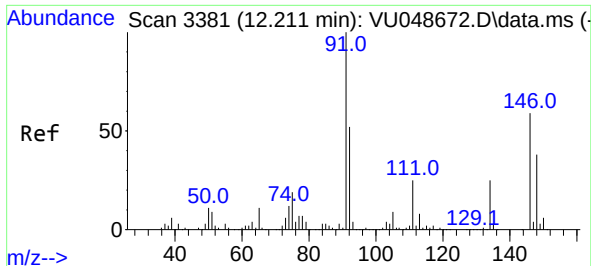
Tgt Ion: 91 Resp: 614412  
Ion Ratio Lower Upper  
91 100  
92 52.8 25.9 77.8  
134 25.1 12.5 37.5



#90  
Hexachloroethane  
Concen: 48.281 ug/l  
RT: 12.475 min Scan# 3463  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 117 Resp: 117652  
Ion Ratio Lower Upper  
117 100  
201 78.2 39.6 119.0

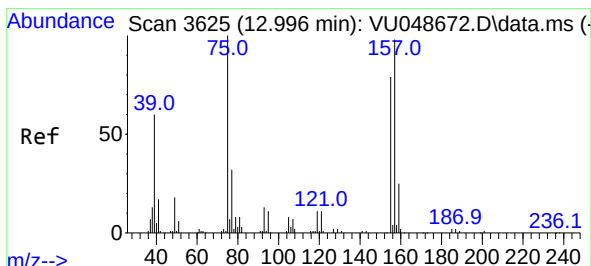
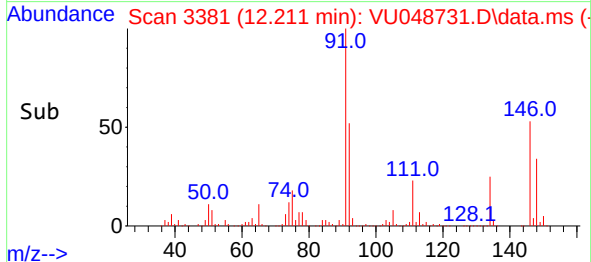
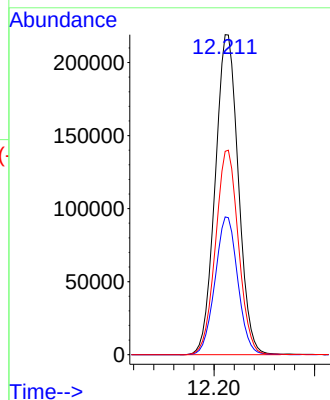
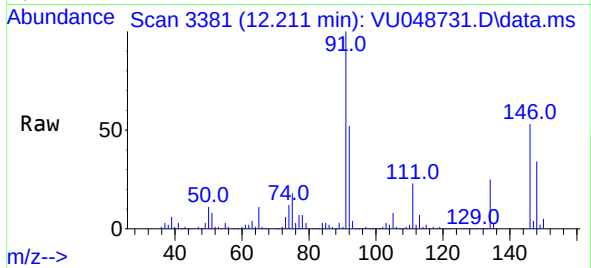




#91  
1,2-Dichlorobenzene  
Concen: 49.404 ug/l  
RT: 12.211 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

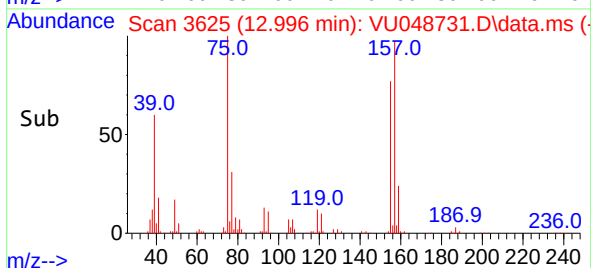
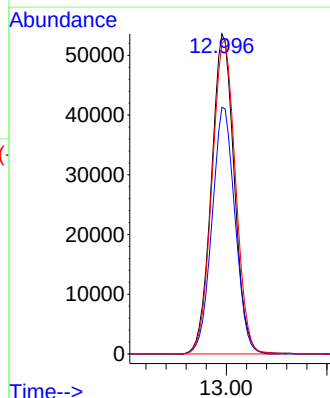
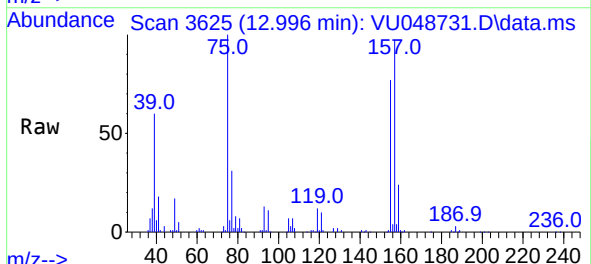
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

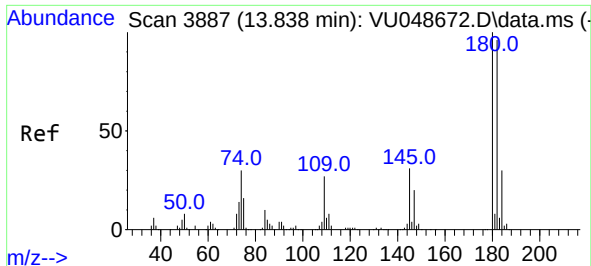
Tgt Ion:146 Resp: 349933  
Ion Ratio Lower Upper  
146 100  
111 42.4 21.4 64.3  
148 63.5 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 54.117 ug/l  
RT: 12.996 min Scan# 3625  
Delta R.T. 0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion: 75 Resp: 84671  
Ion Ratio Lower Upper  
75 100  
155 77.5 40.3 120.8  
157 100.9 50.0 150.0

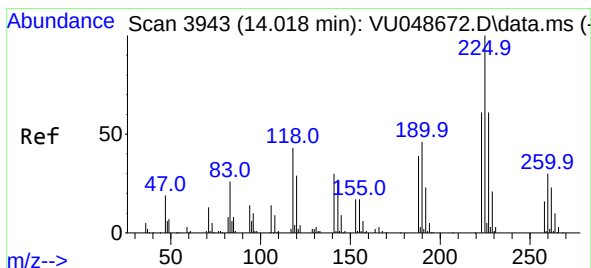
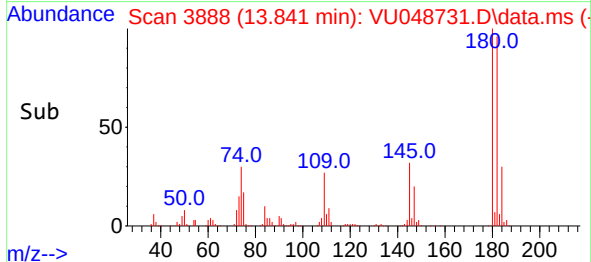
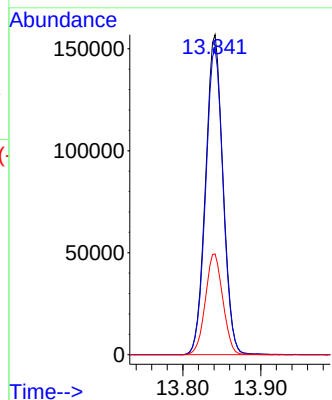
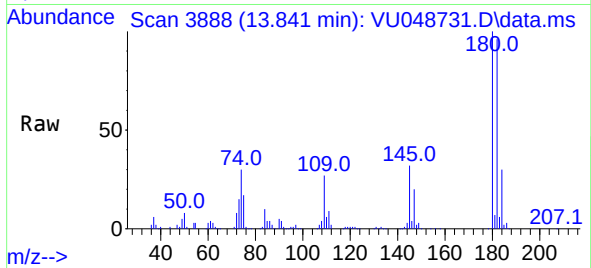




#93  
1,2,4-Trichlorobenzene  
Concen: 52.477 ug/l  
RT: 13.841 min Scan# 3888  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

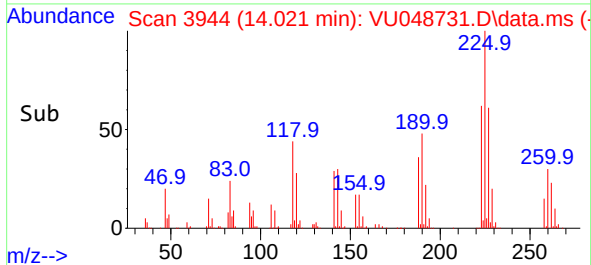
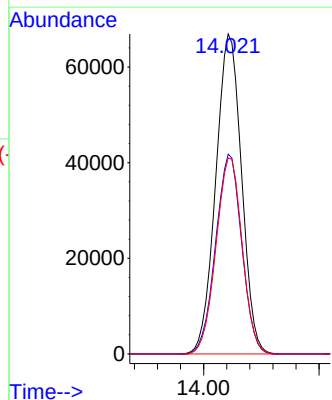
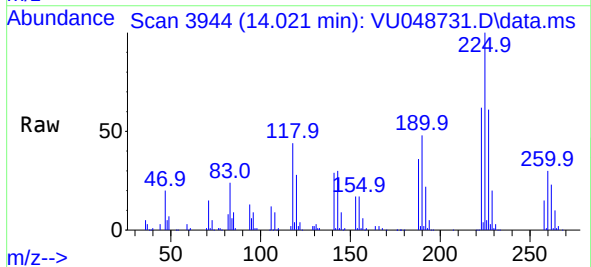
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

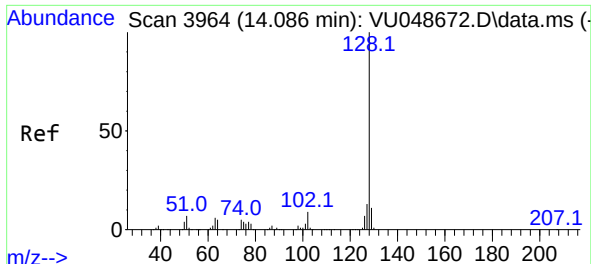
Tgt Ion:180 Resp: 243914  
Ion Ratio Lower Upper  
180 100  
182 95.7 48.3 144.9  
145 31.6 15.6 46.7



#94  
Hexachlorobutadiene  
Concen: 46.635 ug/l  
RT: 14.021 min Scan# 3944  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Tgt Ion:225 Resp: 103896  
Ion Ratio Lower Upper  
225 100  
223 63.0 30.9 92.8  
227 62.0 31.1 93.5

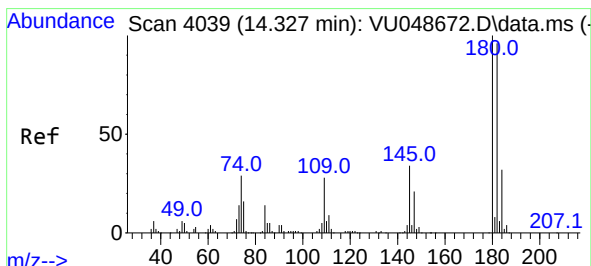
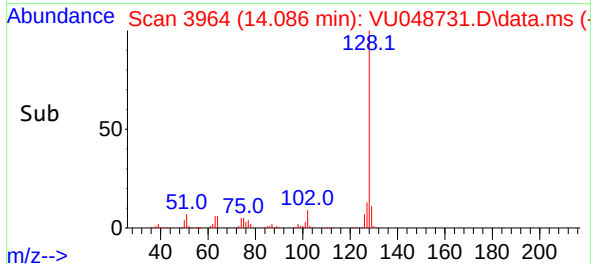
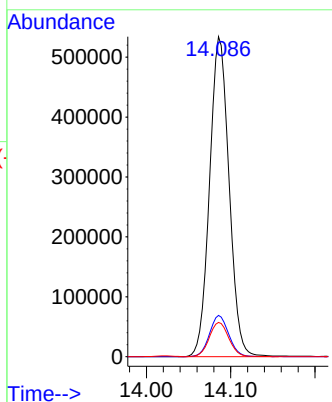
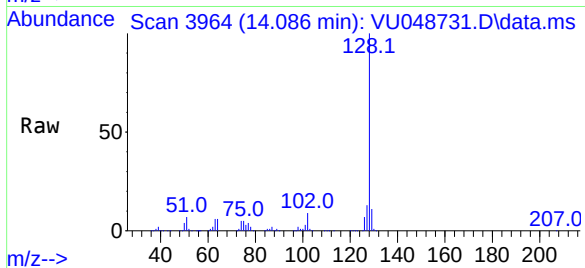




#95  
Naphthalene  
Concen: 52.660 ug/l  
RT: 14.086 min Scan# 3964  
Delta R.T. -0.000 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

|             |              |
|-------------|--------------|
| Tgt Ion:128 | Resp: 857245 |
| Ion Ratio   | Lower Upper  |
| 128 100     |              |
| 127 12.8    | 10.2 15.4    |
| 129 10.8    | 8.7 13.1     |



#96  
1,2,3-Trichlorobenzene  
Concen: 52.802 ug/l  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.003 min  
Lab File: VU048731.D  
Acq: 31 May 2022 11:00

|             |              |
|-------------|--------------|
| Tgt Ion:180 | Resp: 243080 |
| Ion Ratio   | Lower Upper  |
| 180 100     |              |
| 182 94.8    | 47.4 142.2   |
| 145 33.6    | 16.6 49.8    |

