

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052523\  
 Data File : VU054266.D  
 Acq On : 25 May 2023 14:21  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 26 06:00:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 26 05:59:02 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.365  | 168   | 198411   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.243  | 114   | 317943   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.410  | 117   | 305942   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.806 | 152   | 168573   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.700  | 65    | 13790    | 5.302    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 10.600%# |
| 35) Dibromofluoromethane     | 5.285  | 113   | 9797     | 4.785    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 9.560%#  |
| 50) Toluene-d8               | 7.893  | 98    | 38913    | 4.997    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 10.000%# |
| 62) 4-Bromofluorobenzene     | 10.632 | 95    | 14728    | 4.877    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 9.760%#  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.382  | 85    | 10570    | 4.772    | ug/l   | 99       |
| 3) Chloromethane             | 1.520  | 50    | 14022    | 4.835    | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.604  | 62    | 13299    | 4.806    | ug/l   | 91       |
| 5) Bromomethane              | 1.854  | 94    | 7965     | 5.200    | ug/l   | 98       |
| 6) Chloroethane              | 1.925  | 64    | 6564     | 4.911    | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 2.131  | 101   | 18358    | 4.822    | ug/l   | 95       |
| 8) Diethyl Ether             | 2.375  | 74    | 7250     | 5.144    | ug/l   | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 2.575  | 101   | 10453    | 5.071    | ug/l   | 99       |
| 10) Methyl Iodide            | 2.719  | 142   | 8492     | 5.610    | ug/l # | 89       |
| 11) Tert butyl alcohol       | 3.253  | 59    | 322      | 0.457    | ug/l # | 37       |
| 12) 1,1-Dichloroethene       | 2.571  | 96    | 10436    | 4.890    | ug/l   | 95       |
| 13) Acrolein                 | 2.485  | 56    | 19391    | 26.530   | ug/l   | 99       |
| 14) Allyl chloride           | 2.919  | 41    | 17655    | 4.771    | ug/l   | 91       |
| 15) Acrylonitrile            | 3.314  | 53    | 37492    | 23.801   | ug/l   | 99       |
| 16) Acetone                  | 2.636  | 43    | 32652    | 21.901   | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.787  | 76    | 29651    | 4.701    | ug/l   | 99       |
| 18) Methyl Acetate           | 2.948  | 43    | 27248    | 5.005    | ug/l   | 90       |
| 19) Methyl tert-butyl Ether  | 3.356  | 73    | 33572    | 4.806    | ug/l   | 93       |
| 20) Methylene Chloride       | 3.044  | 84    | 13768    | 5.119    | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 3.349  | 96    | 11577    | 5.067    | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.986  | 45    | 31789    | 4.847    | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.954  | 43    | 111830   | 23.367   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.864  | 63    | 21729    | 5.174    | ug/l   | 99       |
| 25) 2-Butanone               | 4.710  | 43    | 46094    | 23.351   | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 4.658  | 77    | 17974    | 4.897    | ug/l   | 93       |
| 27) cis-1,2-Dichloroethene   | 4.661  | 96    | 12787    | 5.031    | ug/l   | 95       |
| 28) Bromochloromethane       | 4.967  | 49    | 10252    | 5.275    | ug/l   | 85       |
| 29) Tetrahydrofuran          | 5.057  | 42    | 31089    | 25.056   | ug/l   | 93       |
| 30) Chloroform               | 5.083  | 83    | 21157    | 4.956    | ug/l   | 93       |
| 31) Cyclohexane              | 5.375  | 56    | 20872    | 5.683    | ug/l # | 85       |
| 32) 1,1,1-Trichloroethane    | 5.311  | 97    | 18828    | 5.080    | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.523  | 75    | 15894    | 4.942    | ug/l   | 94       |
| 37) Ethyl Acetate            | 4.806  | 43    | 25124    | 6.410    | ug/l # | 91       |
| 38) Carbon Tetrachloride     | 5.517  | 117   | 16133    | 4.901    | ug/l   | 98       |
| 39) Methylcyclohexane        | 6.754  | 83    | 18088    | 4.966    | ug/l # | 89       |
| 40) Benzene                  | 5.767  | 78    | 46056    | 5.021    | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052523\  
 Data File : VU054266.D  
 Acq On : 25 May 2023 14:21  
 Operator : JC/MD  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 26 06:00:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 26 05:59:02 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.973  | 41   | 8812     | 4.973  | ug/l # | 88       |
| 42) 1,2-Dichloroethane        | 5.793  | 62   | 16707    | 5.014  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 5.909  | 43   | 27547    | 5.096  | ug/l   | 98       |
| 44) Trichloroethene           | 6.539  | 130  | 12299    | 4.796  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 6.787  | 63   | 12136    | 5.071  | ug/l   | 98       |
| 46) Dibromomethane            | 6.912  | 93   | 8879     | 5.041  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.102  | 83   | 15842    | 4.809  | ug/l   | 99       |
| 48) Methyl methacrylate       | 6.960  | 41   | 11247    | 4.691  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 6.996  | 88   | 6657     | 96.182 | ug/l # | 72       |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 85149    | 23.602 | ug/l   | 98       |
| 52) Toluene                   | 7.963  | 92   | 28607    | 4.891  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.208  | 75   | 17670    | 4.688  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 7.603  | 75   | 18574    | 4.722  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 8.394  | 97   | 12267    | 5.061  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 8.330  | 69   | 16901    | 4.684  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 8.571  | 76   | 20680    | 4.954  | ug/l   | 98       |
| 59) 2-Hexanone                | 8.684  | 43   | 66950    | 23.492 | ug/l   | 95       |
| 60) Dibromochloromethane      | 8.803  | 129  | 11458    | 4.653  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 8.918  | 107  | 13060    | 4.951  | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.552  | 164  | 11412    | 4.956  | ug/l   | 98       |
| 65) Chlorobenzene             | 9.442  | 112  | 31474    | 4.921  | ug/l   | 93       |
| 66) 1,1,1,2-Tetrachloroethane | 9.529  | 131  | 11317    | 4.877  | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.565  | 91   | 51990    | 4.755  | ug/l   | 96       |
| 68) m/p-Xylenes               | 9.690  | 106  | 40174    | 9.693  | ug/l   | 97       |
| 69) o-Xylene                  | 10.095 | 106  | 18262    | 4.552  | ug/l   | 87       |
| 70) Styrene                   | 10.111 | 104  | 29176    | 4.385  | ug/l   | 96       |
| 71) Bromoform                 | 10.285 | 173  | 9663     | 4.792  | ug/l # | 93       |
| 73) Isopropylbenzene          | 10.478 | 105  | 48794    | 4.674  | ug/l   | 97       |
| 74) N-amyl acetate            | 10.317 | 43   | 19609    | 4.424  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.777 | 83   | 21928    | 5.191  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.819 | 75   | 23253    | 4.696  | ug/l   | 99       |
| 77) Bromobenzene              | 10.780 | 156  | 13949    | 4.866  | ug/l   | 90       |
| 78) n-propylbenzene           | 10.902 | 91   | 58369    | 4.564  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 10.983 | 91   | 37745    | 4.875  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 11.082 | 105  | 41061    | 4.625  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 10.542 | 75   | 5426     | 4.200  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.095 | 91   | 42109    | 4.635  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.413 | 119  | 40657    | 4.579  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.462 | 105  | 40557    | 4.592  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.639 | 105  | 51173    | 4.543  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.790 | 119  | 41516    | 4.382  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 11.741 | 146  | 26587    | 4.790  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 11.831 | 146  | 28938    | 5.088  | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.204 | 91   | 40495    | 4.540  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.471 | 117  | 7507     | 4.478  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 12.211 | 146  | 26861    | 4.919  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.992 | 75   | 4548     | 4.721  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 13.838 | 180  | 16083    | 5.655  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 14.015 | 225  | 8449     | 5.445  | ug/l   | 98       |
| 95) Naphthalene               | 14.082 | 128  | 48727    | 5.766  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 16640    | 5.477  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052523\  
Data File : VU054266.D  
Acq On : 25 May 2023 14:21  
Operator : JC/MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 3 Sample Multiplier: 1

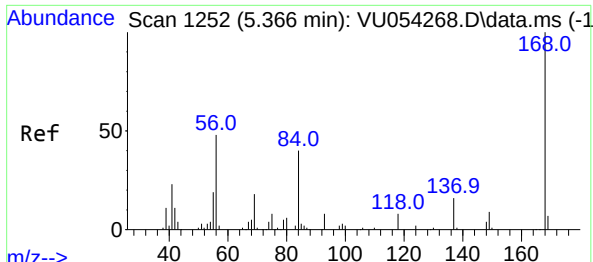
Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: May 26 06:00:45 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052523W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 26 05:59:02 2023  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

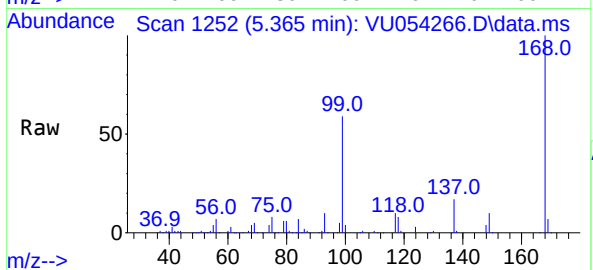
Quant Time: May 26 06:00:45 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052523W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 26 05:59:02 2023  
Response via : Initial Calibration



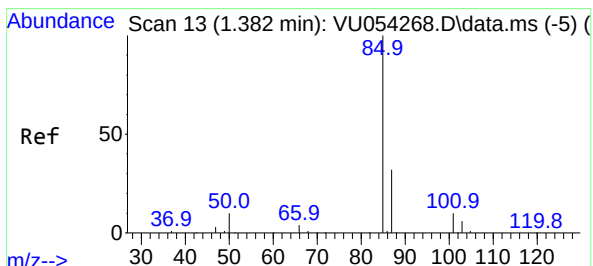
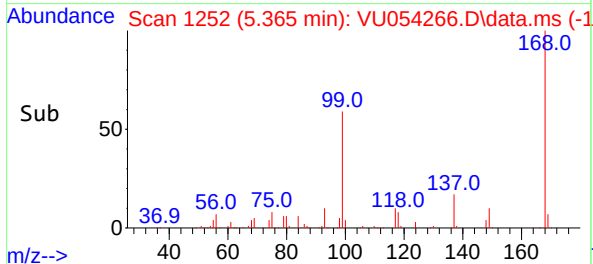
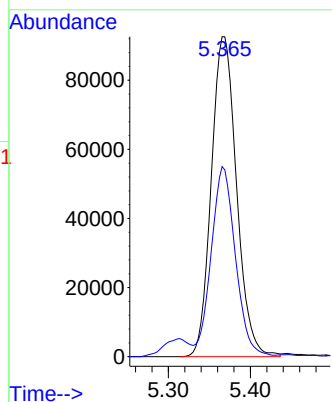


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.365 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :

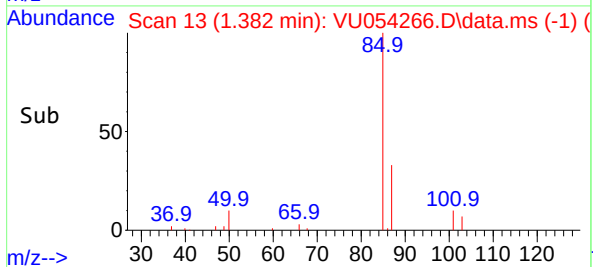
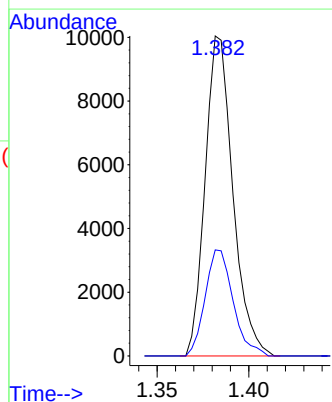
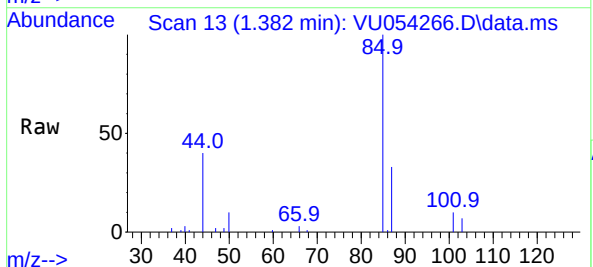


Tgt Ion:168 Resp: 198411  
Ion Ratio Lower Upper  
168 100  
99 58.8 39.3 58.9

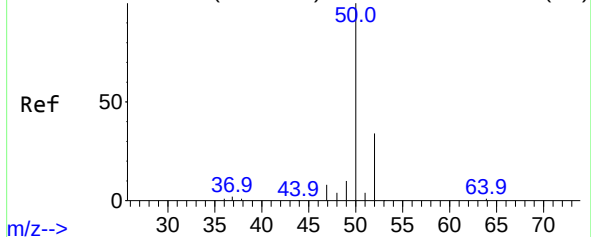


#2  
Dichlorodifluoromethane  
Concen: 4.772 ug/l  
RT: 1.382 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 85 Resp: 10570  
Ion Ratio Lower Upper  
85 100  
87 33.2 16.4 49.2



Abundance Scan 56 (1.520 min): VU054268.D\data.ms (-46)



#3

Chloromethane

Concen: 4.835 ug/l

RT: 1.520 min Scan# 50

Delta R.T. -0.000 min

Lab File: VU054266.D

Acq: 25 May 2023 14:21

Instrument :

MSVOA\_U

ClientSampleId :

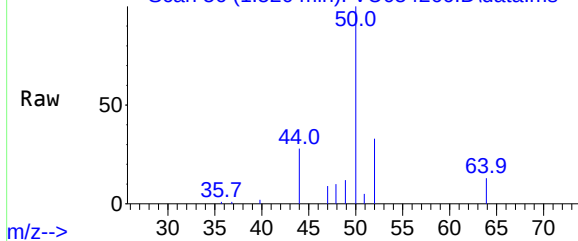
Tgt Ion: 50 Resp: 14022

Ion Ratio Lower Upper

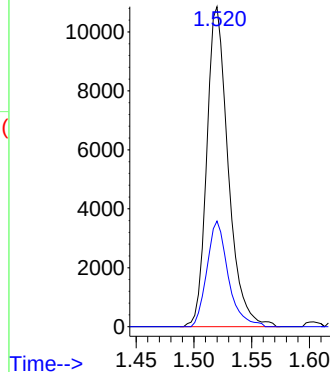
50 100

52 33.0 27.4 41.2

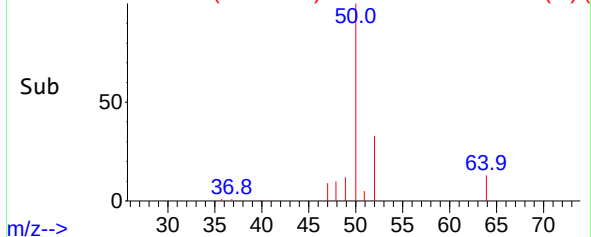
Abundance Scan 56 (1.520 min): VU054266.D\data.ms



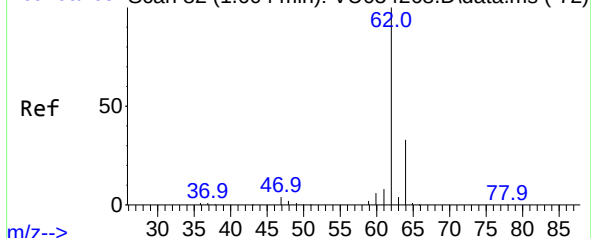
Abundance



Abundance Scan 56 (1.520 min): VU054266.D\data.ms (-1)



Abundance Scan 82 (1.604 min): VU054268.D\data.ms (-72)



#4

Vinyl Chloride

Concen: 4.806 ug/l

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU054266.D

Acq: 25 May 2023 14:21

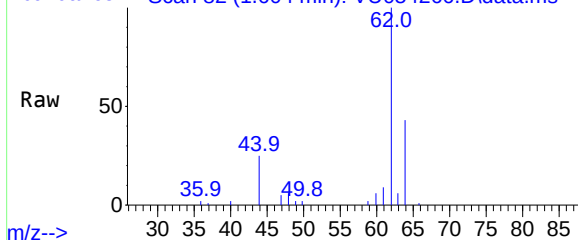
Tgt Ion: 62 Resp: 13299

Ion Ratio Lower Upper

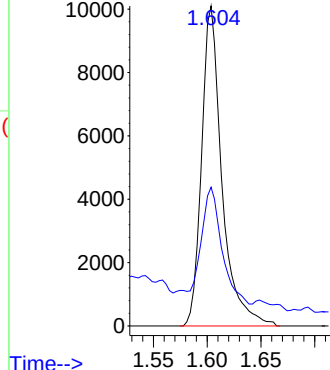
62 100

64 36.8 25.3 37.9

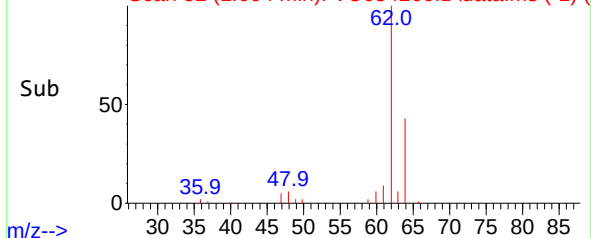
Abundance Scan 82 (1.604 min): VU054266.D\data.ms

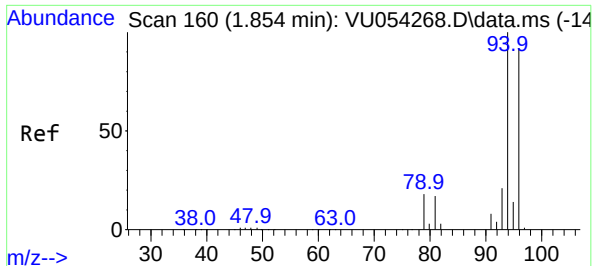


Abundance



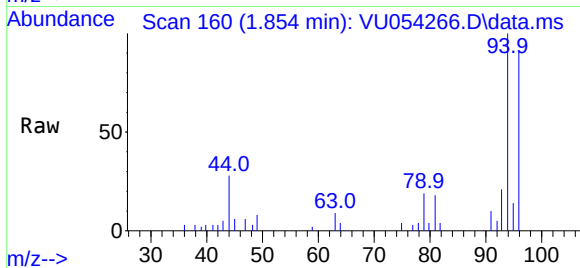
Abundance Scan 82 (1.604 min): VU054266.D\data.ms (-1)



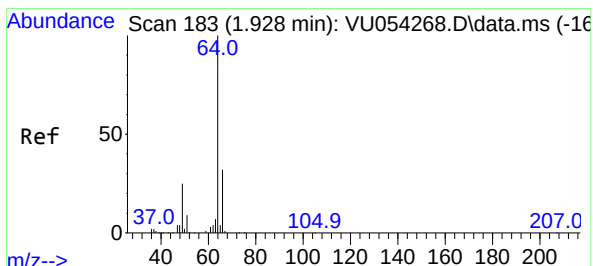
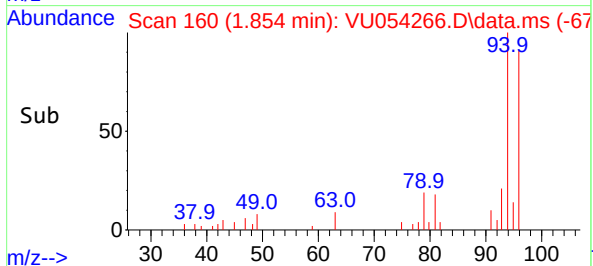
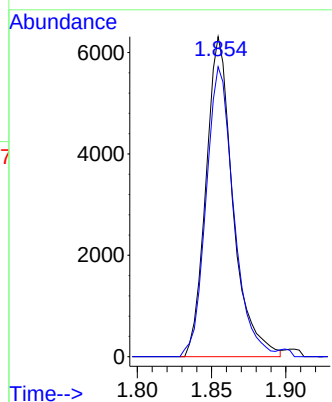


#5  
Bromomethane  
Concen: 5.200 ug/l  
RT: 1.854 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :

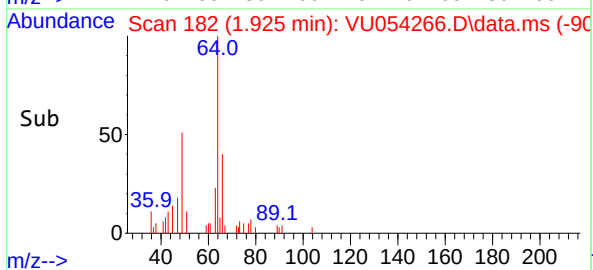
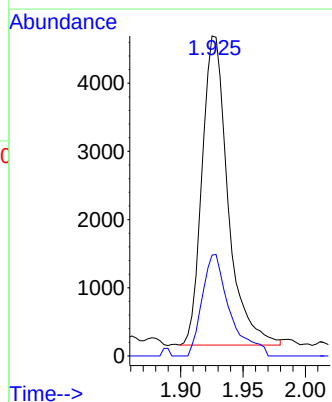
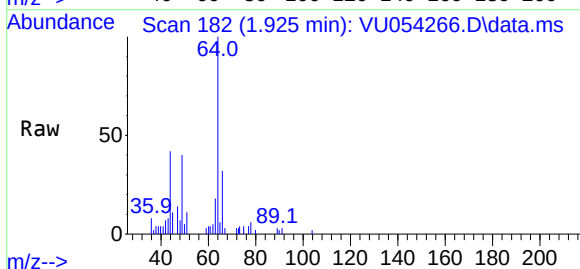


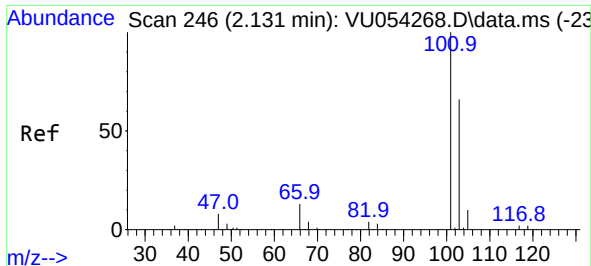
Tgt Ion: 94 Resp: 7965  
Ion Ratio Lower Upper  
94 100  
96 90.6 73.7 110.5



#6  
Chloroethane  
Concen: 4.911 ug/l  
RT: 1.925 min Scan# 182  
Delta R.T. -0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 64 Resp: 6564  
Ion Ratio Lower Upper  
64 100  
66 32.6 24.7 37.1

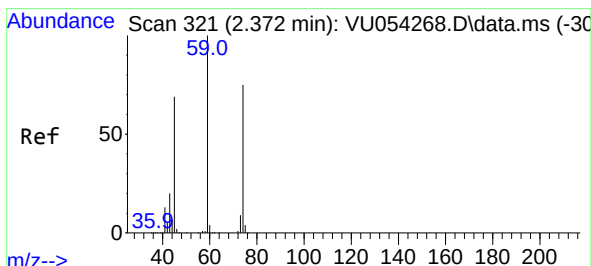
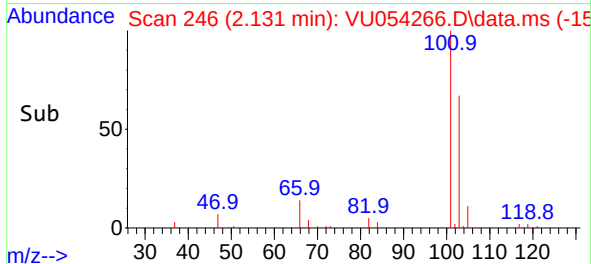
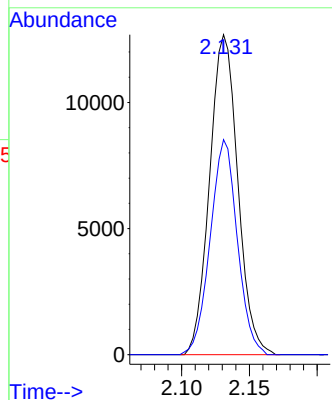
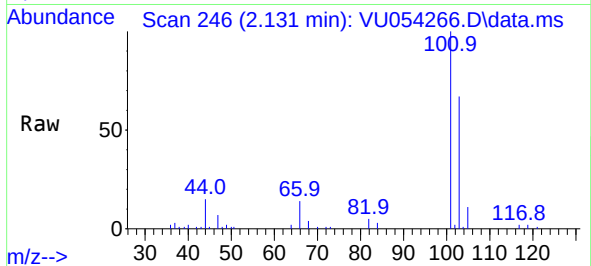




#7  
Trichlorofluoromethane  
Concen: 4.822 ug/l  
RT: 2.131 min Scan# 246  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

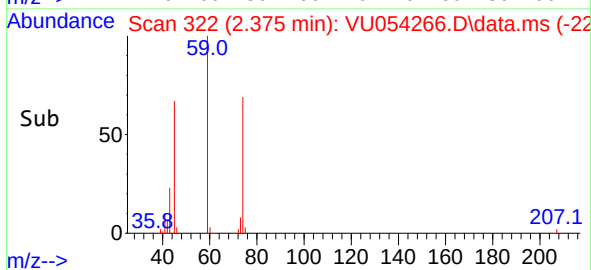
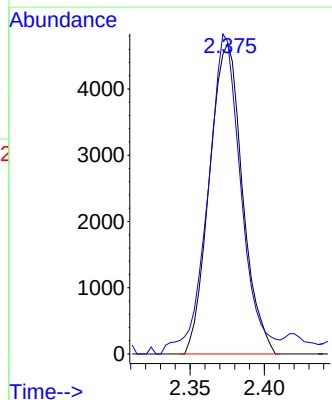
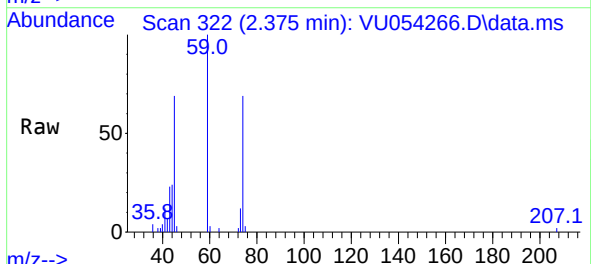
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:101 Resp: 18358  
Ion Ratio Lower Upper  
101 100  
103 67.2 50.6 75.8



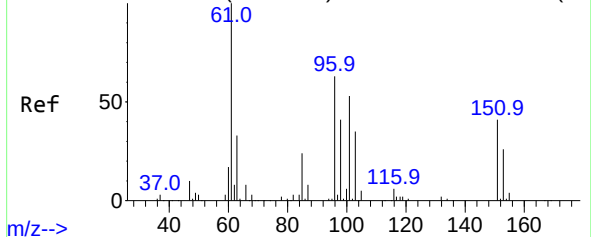
#8  
Diethyl Ether  
Concen: 5.144 ug/l  
RT: 2.375 min Scan# 322  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 74 Resp: 7250  
Ion Ratio Lower Upper  
74 100  
45 103.4 44.4 133.2

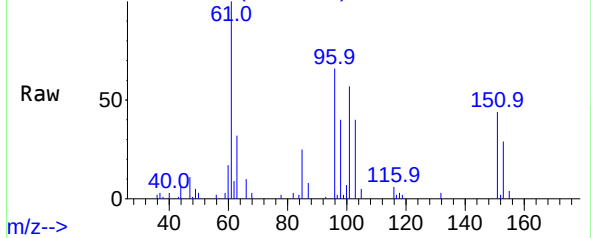




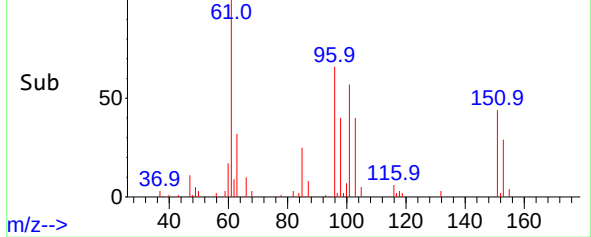
Abundance Scan 384 (2.575 min): VU054268.D\data.ms (-36



m/z--> Scan 384 (2.575 min): VU054266.D\data.ms

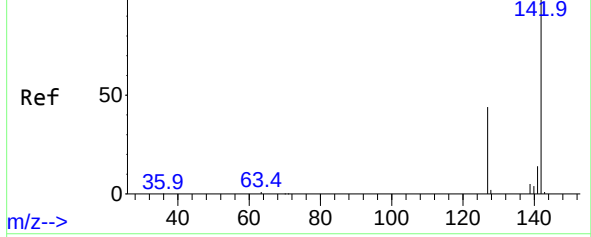


Abundance Scan 384 (2.575 min): VU054266.D\data.ms (-29

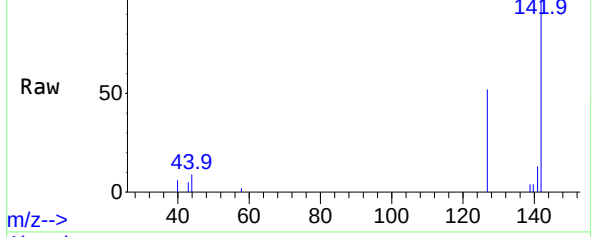


m/z-->

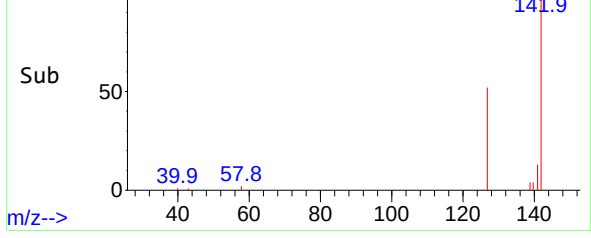
Abundance Scan 428 (2.716 min): VU054268.D\data.ms (-41



m/z--> Scan 429 (2.719 min): VU054266.D\data.ms



Abundance Scan 429 (2.719 min): VU054266.D\data.ms (-33

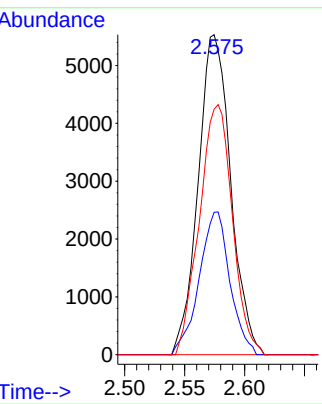


m/z-->

#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 5.071 ug/l  
RT: 2.575 min Scan# 384  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

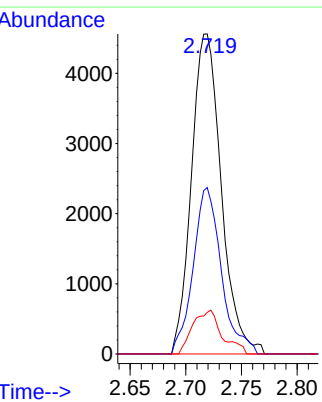
Instrument :  
MSVOA\_U  
ClientSampleId :

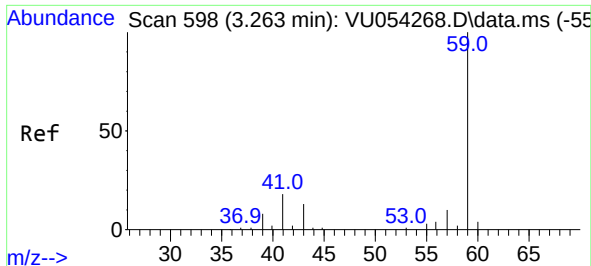
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:101 | Resp: | 10453       |
| Ion         | Ratio | Lower Upper |
| 101         | 100   |             |
| 85          | 42.0  | 33.9 50.9   |
| 151         | 79.1  | 64.0 96.0   |



#10  
Methyl Iodide  
Concen: 5.610 ug/l  
RT: 2.719 min Scan# 429  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:142 | Resp: | 8492        |
| Ion         | Ratio | Lower Upper |
| 142         | 100   |             |
| 127         | 49.2  | 32.5 48.7#  |
| 141         | 13.4  | 11.4 17.0   |





#11

Tert butyl alcohol

Concen: 0.457 ug/l

RT: 3.253 min Scan# 59

Delta R.T. 0.010 min

Lab File: VU054266.D

Acq: 25 May 2023 14:21

Instrument :

MSVOA\_U

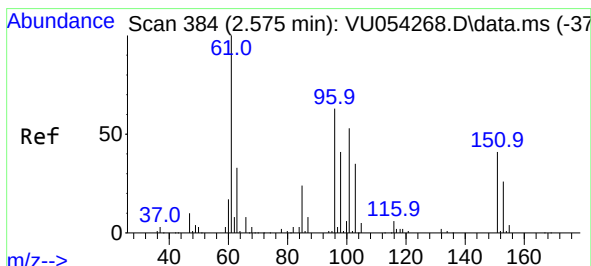
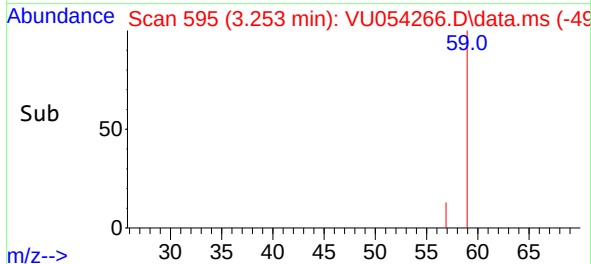
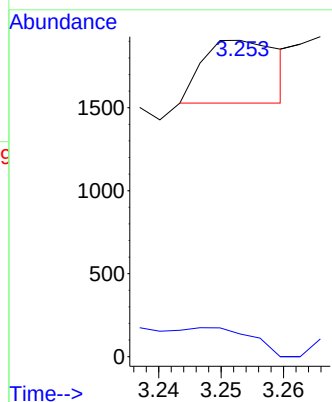
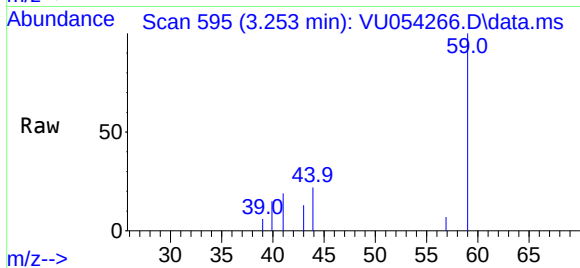
ClientSampleId :

Tgt Ion: 59 Resp: 322

Ion Ratio Lower Upper

59 100

57 0.0 30.6 45.8#



#12

1,1-Dichloroethene

Concen: 4.890 ug/l

RT: 2.571 min Scan# 383

Delta R.T. -0.003 min

Lab File: VU054266.D

Acq: 25 May 2023 14:21

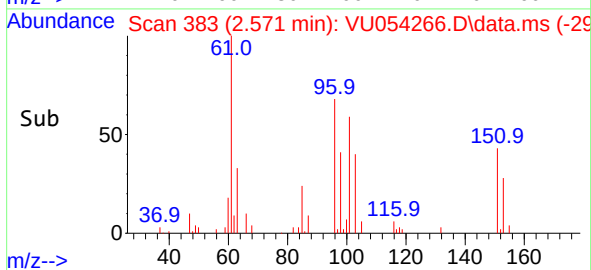
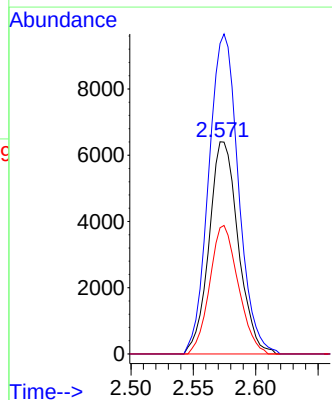
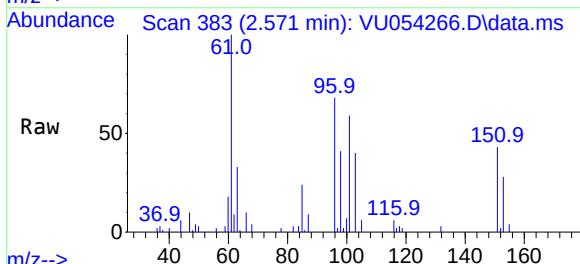
Tgt Ion: 96 Resp: 10436

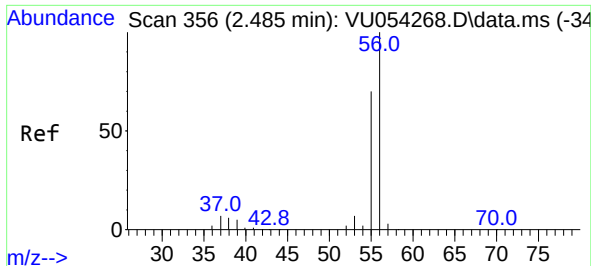
Ion Ratio Lower Upper

96 100

61 146.3 122.2 183.2

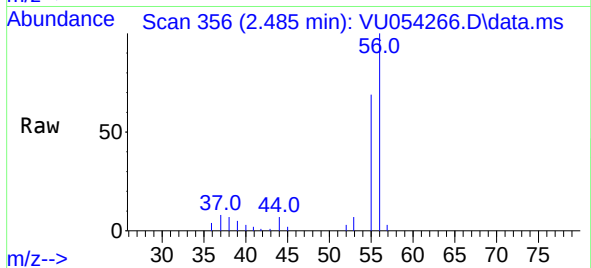
98 59.5 50.7 76.1



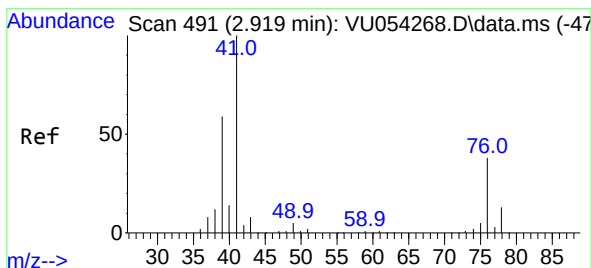
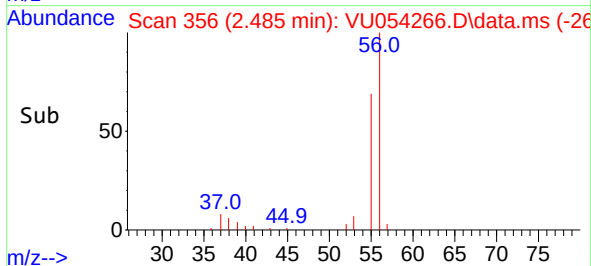
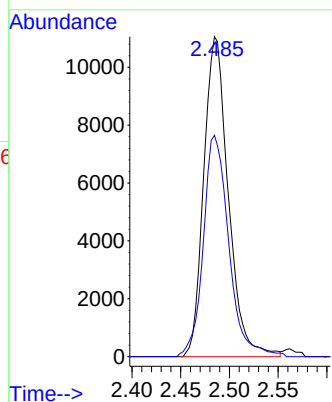


#13  
Acrolein  
Concen: 26.530 ug/l  
RT: 2.485 min Scan# 356  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :

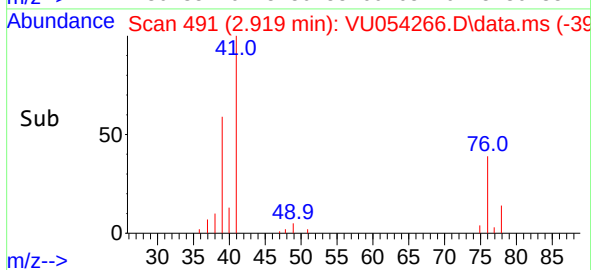
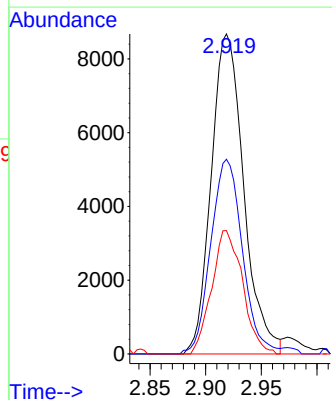
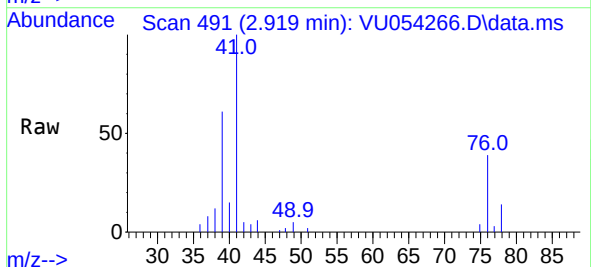


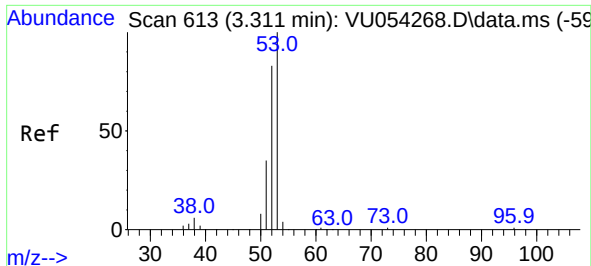
Tgt Ion: 56 Resp: 19391  
Ion Ratio Lower Upper  
56 100  
55 71.8 56.6 85.0



#14  
Allyl chloride  
Concen: 4.771 ug/l  
RT: 2.919 min Scan# 491  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

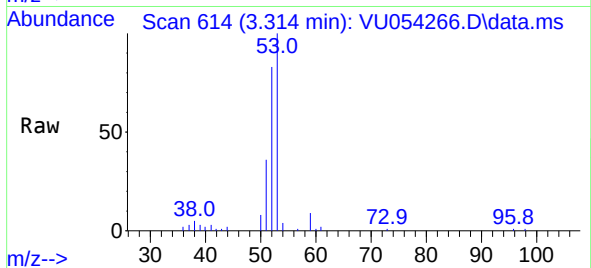
Tgt Ion: 41 Resp: 17655  
Ion Ratio Lower Upper  
41 100  
39 59.1 53.4 80.2  
76 36.5 33.8 50.6



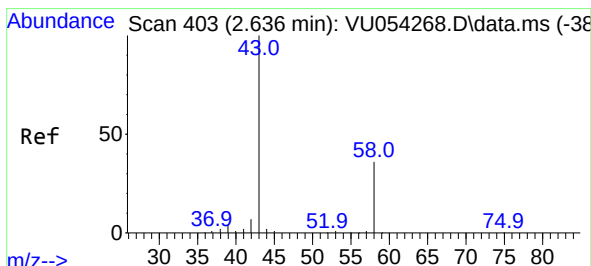
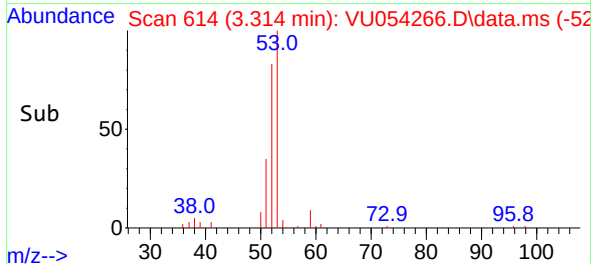
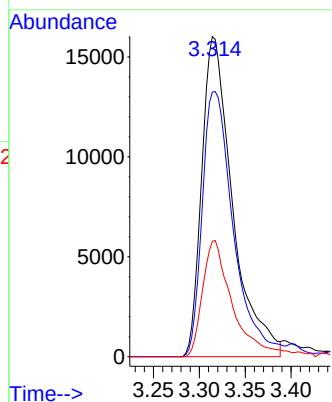


#15  
Acrylonitrile  
Concen: 23.801 ug/l  
RT: 3.314 min Scan# 613  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :

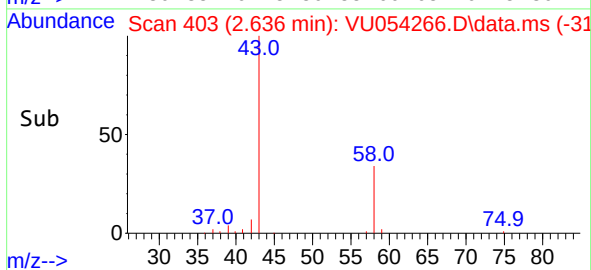
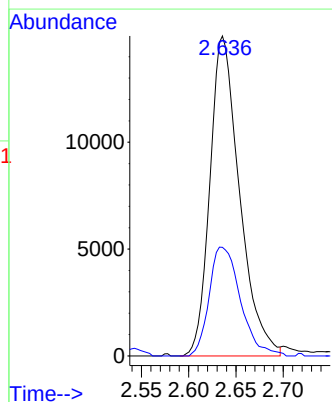
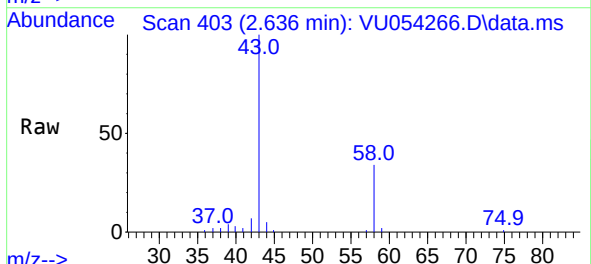


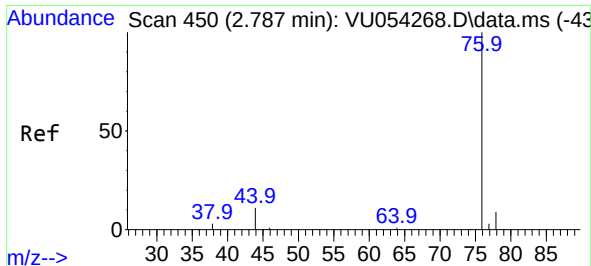
Tgt Ion: 53 Resp: 37492  
Ion Ratio Lower Upper  
53 100  
52 83.9 65.7 98.5  
51 35.2 28.2 42.4



#16  
Acetone  
Concen: 21.901 ug/l  
RT: 2.636 min Scan# 403  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

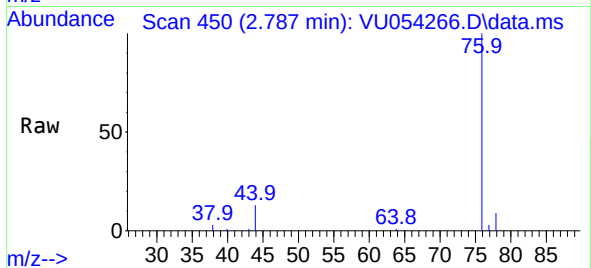
Tgt Ion: 43 Resp: 32652  
Ion Ratio Lower Upper  
43 100  
58 33.9 27.5 41.3



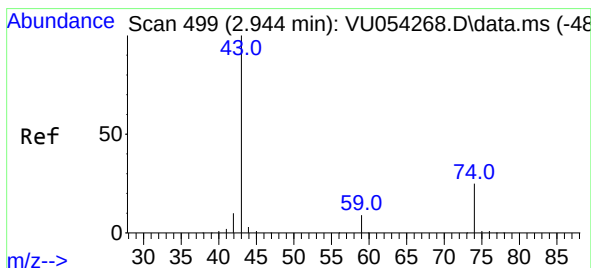
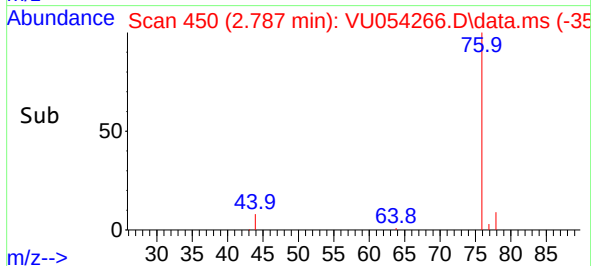
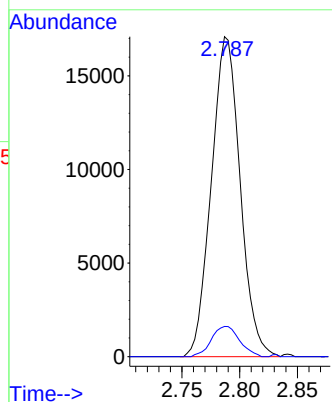


#17  
Carbon Disulfide  
Concen: 4.701 ug/l  
RT: 2.787 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :

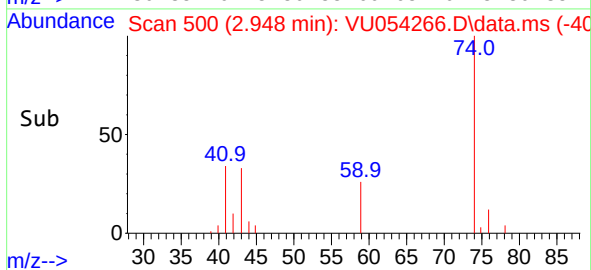
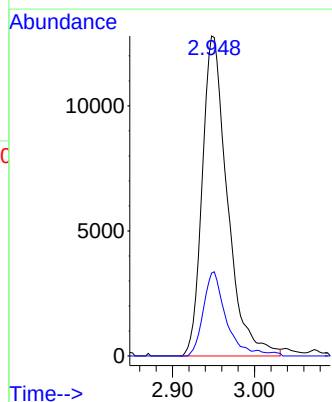
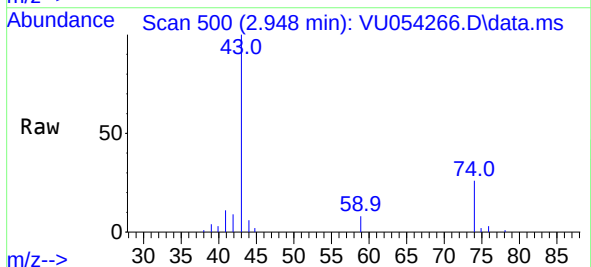


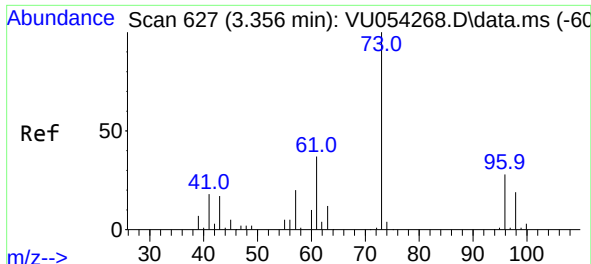
Tgt Ion: 76 Resp: 29651  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.3 10.9



#18  
Methyl Acetate  
Concen: 5.005 ug/l  
RT: 2.948 min Scan# 500  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 43 Resp: 27248  
Ion Ratio Lower Upper  
43 100  
74 23.1 22.5 33.7

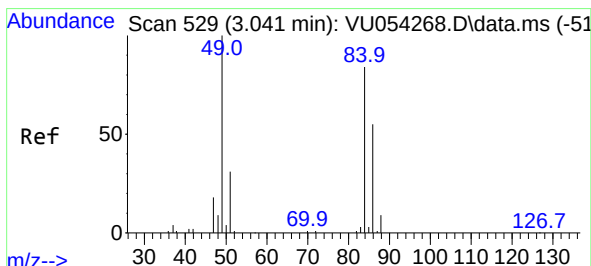
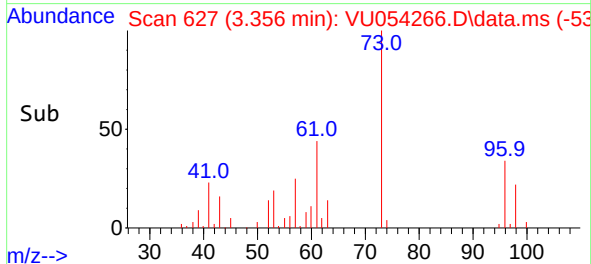
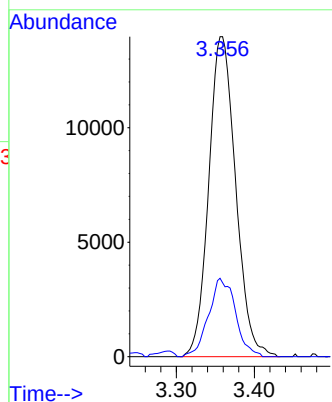
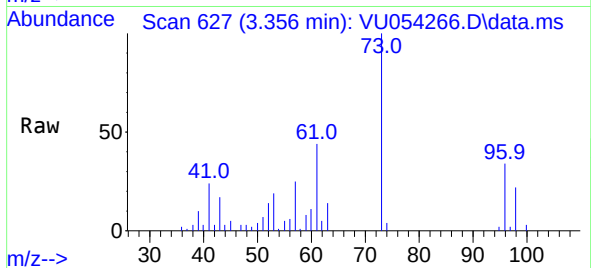




#19  
Methyl tert-butyl Ether  
Concen: 4.806 ug/l  
RT: 3.356 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

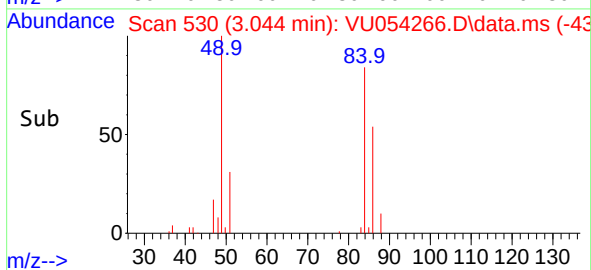
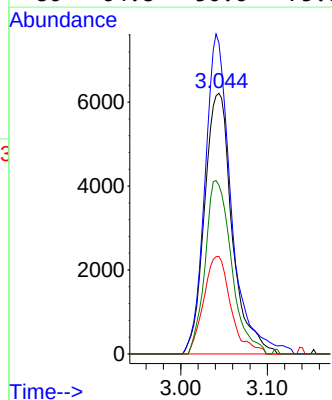
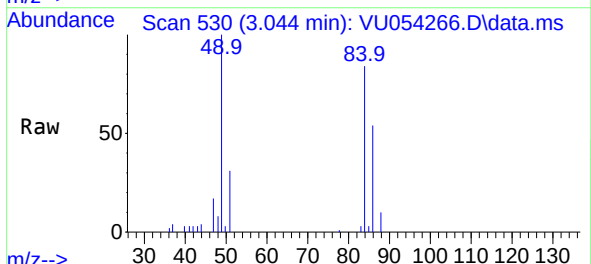
Instrument :  
MSVOA\_U  
ClientSampleId :

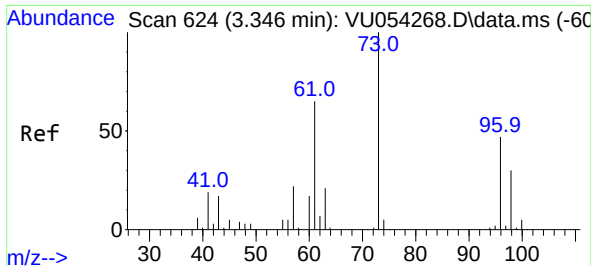
Tgt Ion: 73 Resp: 33572  
Ion Ratio Lower Upper  
73 100  
57 24.5 17.1 25.7



#20  
Methylene Chloride  
Concen: 5.119 ug/l  
RT: 3.044 min Scan# 530  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 84 Resp: 13768  
Ion Ratio Lower Upper  
84 100  
49 119.3 86.6 129.8  
51 37.4 26.6 40.0  
86 64.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 5.067 ug/l

RT: 3.349 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU054266.D

Acq: 25 May 2023 14:21

Instrument :

MSVOA\_U

ClientSampleId :

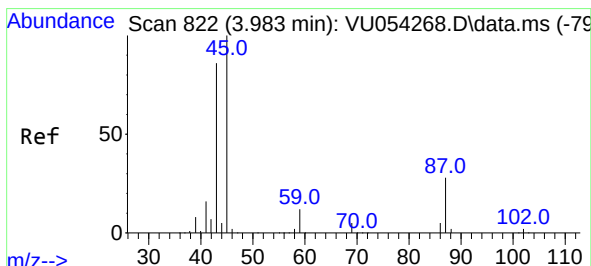
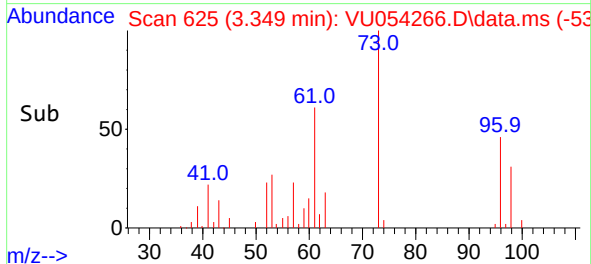
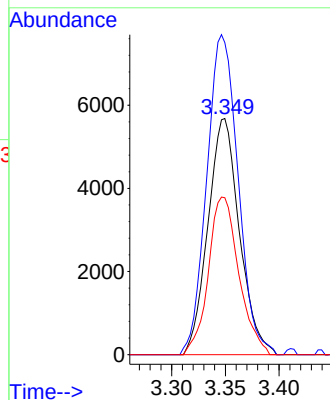
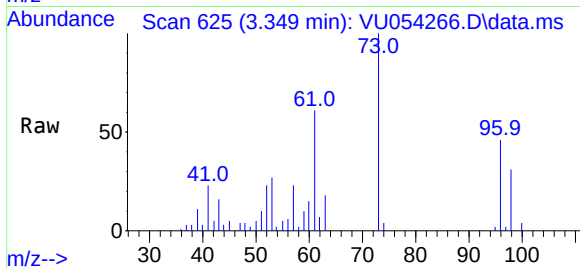
Tgt Ion: 96 Resp: 11577

Ion Ratio Lower Upper

96 100

61 132.1 106.1 159.1

98 66.4 50.8 76.2



#22

Diisopropyl ether

Concen: 4.847 ug/l

RT: 3.986 min Scan# 823

Delta R.T. 0.003 min

Lab File: VU054266.D

Acq: 25 May 2023 14:21

Tgt Ion: 45 Resp: 31789

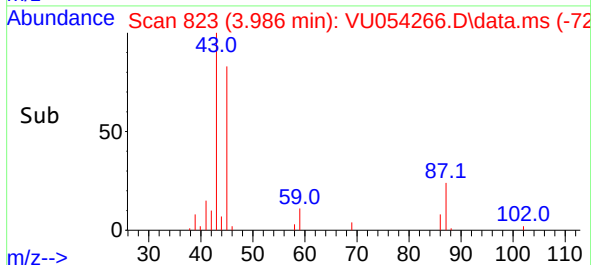
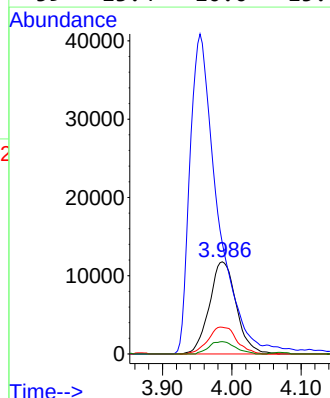
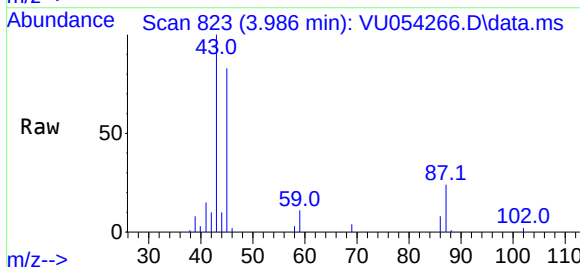
Ion Ratio Lower Upper

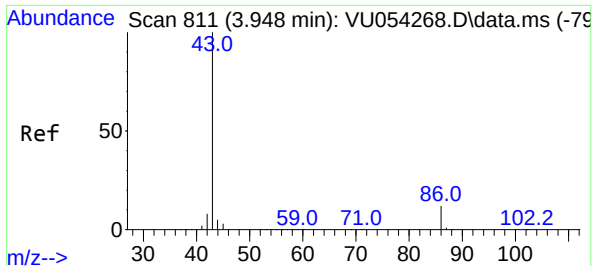
45 100

43 113.6 92.9 139.3

87 28.9 26.2 39.2

59 13.4 10.0 15.0

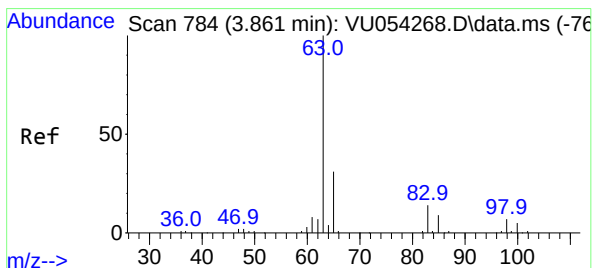
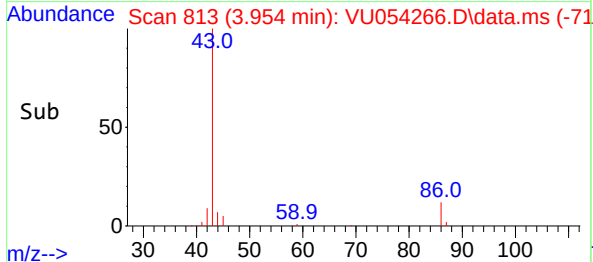
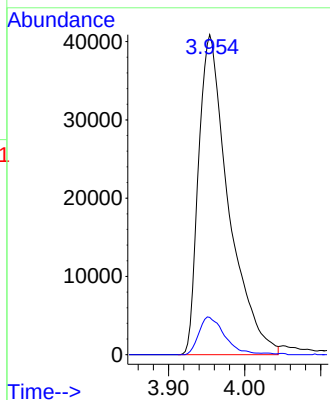
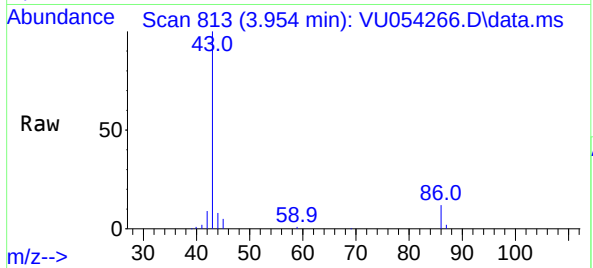




#23  
 Vinyl Acetate  
 Concen: 23.367 ug/l  
 RT: 3.954 min Scan# 811  
 Delta R.T. 0.006 min  
 Lab File: VU054266.D  
 Acq: 25 May 2023 14:21

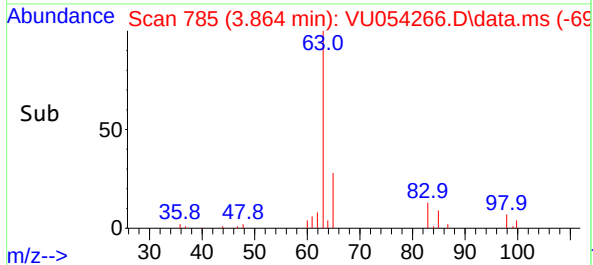
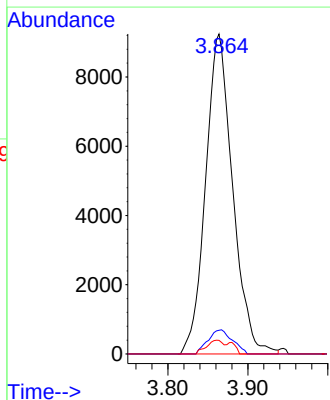
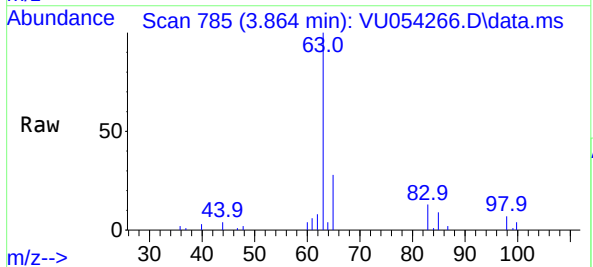
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tgt Ion: 43 Resp: 111830  
 Ion Ratio Lower Upper  
 43 100  
 86 11.6 9.8 14.8

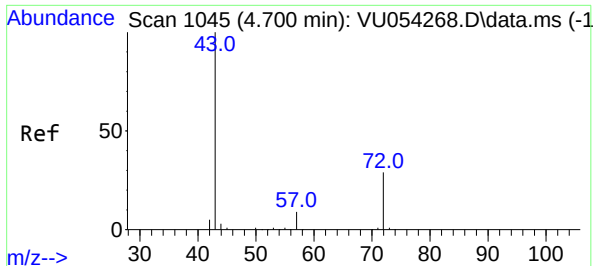


#24  
 1,1-Dichloroethane  
 Concen: 5.174 ug/l  
 RT: 3.864 min Scan# 785  
 Delta R.T. 0.003 min  
 Lab File: VU054266.D  
 Acq: 25 May 2023 14:21

Tgt Ion: 63 Resp: 21729  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.6 10.9  
 100 4.3 2.4 7.2



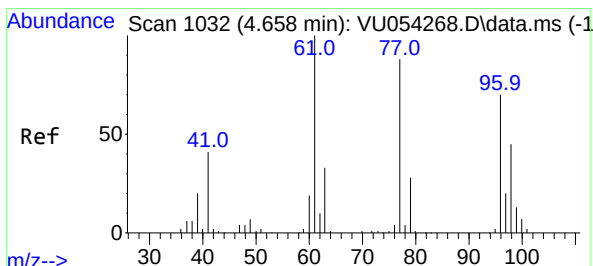
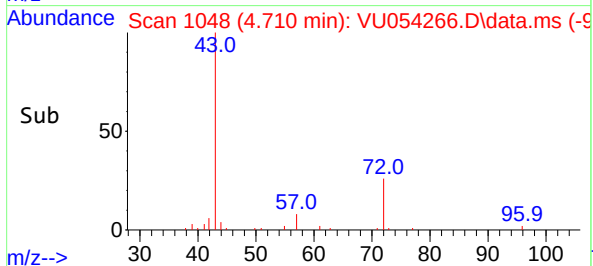
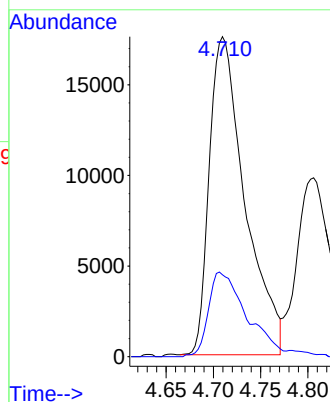
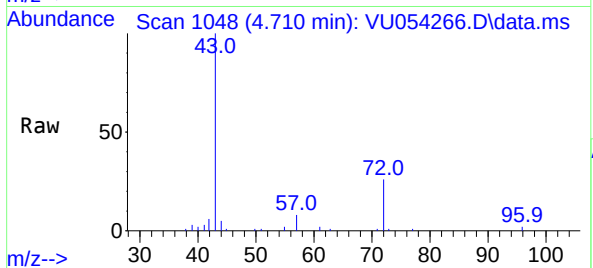




#25  
2-Butanone  
Concen: 23.351 ug/l  
RT: 4.710 min Scan# 1045  
Delta R.T. 0.010 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

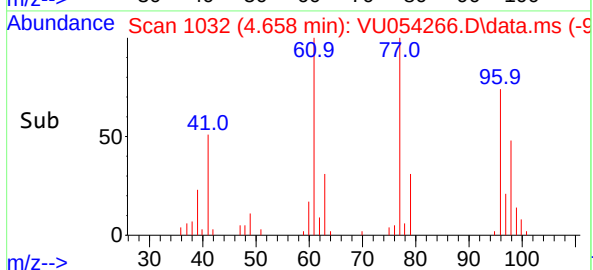
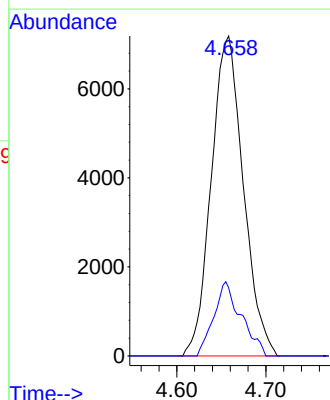
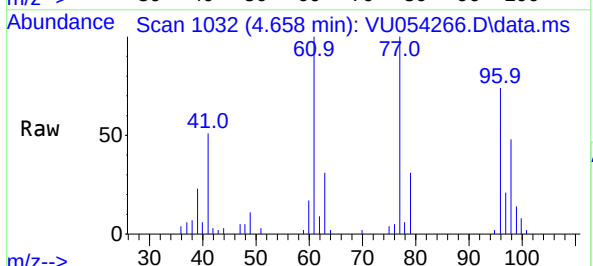
Instrument :  
MSVOA\_U  
ClientSampleId :

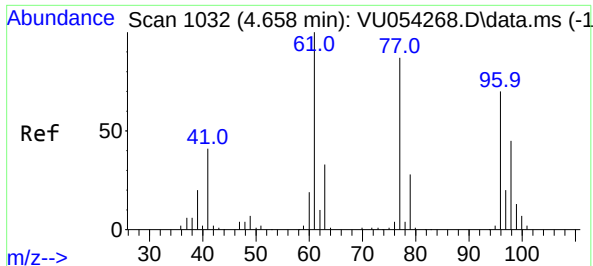
Tgt Ion: 43 Resp: 46094  
Ion Ratio Lower Upper  
43 100  
72 25.7 23.8 35.6



#26  
2,2-Dichloropropane  
Concen: 4.897 ug/l  
RT: 4.658 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 77 Resp: 17974  
Ion Ratio Lower Upper  
77 100  
97 19.7 11.6 34.8

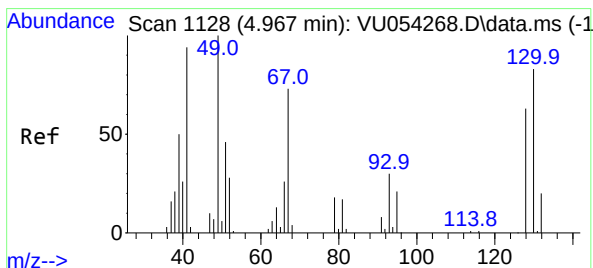
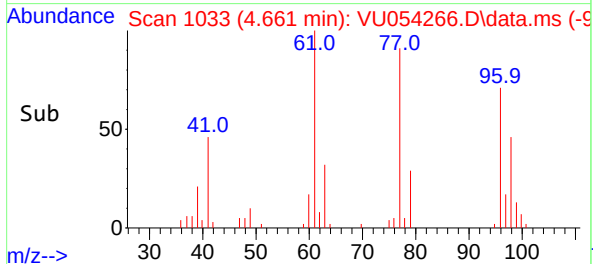
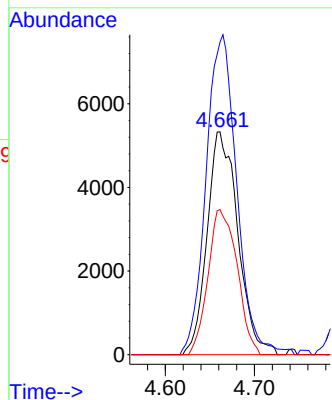
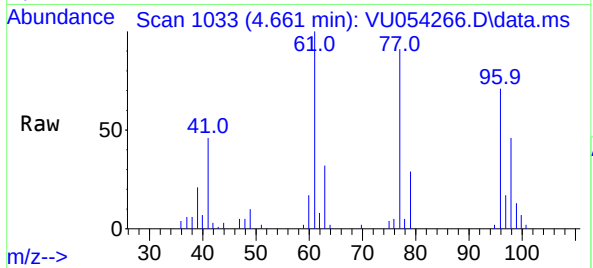




#27  
 cis-1,2-Dichloroethene  
 Concen: 5.031 ug/l  
 RT: 4.661 min Scan# 1032  
 Delta R.T. 0.003 min  
 Lab File: VU054266.D  
 Acq: 25 May 2023 14:21

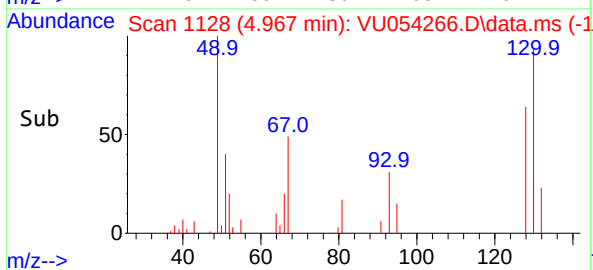
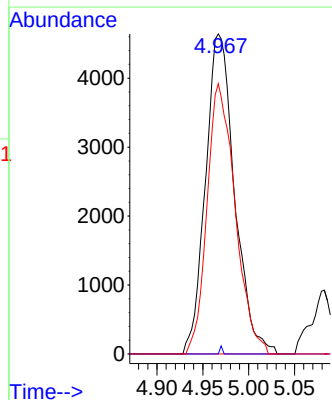
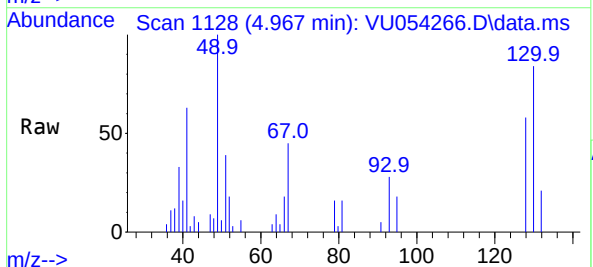
Instrument :  
 MSVOA\_U  
 ClientSampleId :

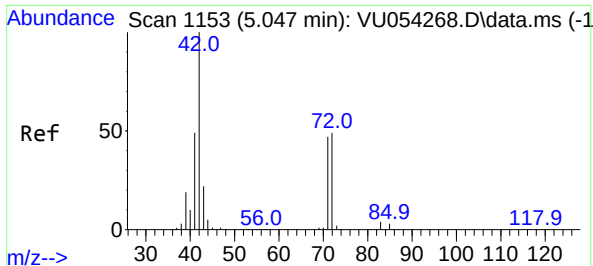
Tgt Ion: 96 Resp: 12787  
 Ion Ratio Lower Upper  
 96 100  
 61 143.5 0.0 271.6  
 98 61.5 0.0 128.2



#28  
 Bromochloromethane  
 Concen: 5.275 ug/l  
 RT: 4.967 min Scan# 1128  
 Delta R.T. -0.000 min  
 Lab File: VU054266.D  
 Acq: 25 May 2023 14:21

Tgt Ion: 49 Resp: 10252  
 Ion Ratio Lower Upper  
 49 100  
 129 0.2 0.0 4.6  
 130 81.4 76.9 115.3

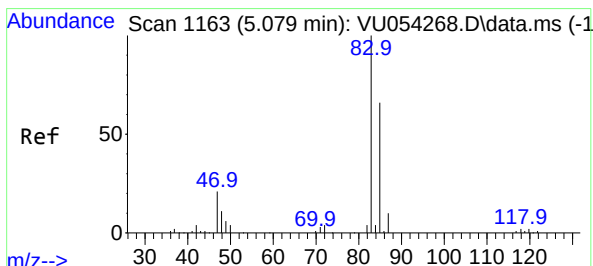
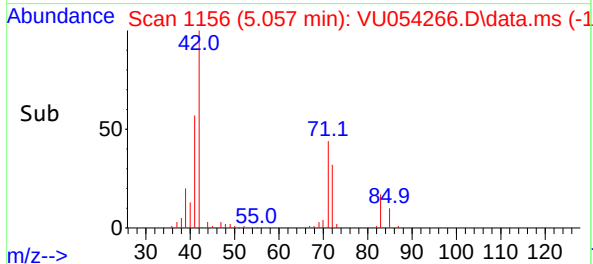
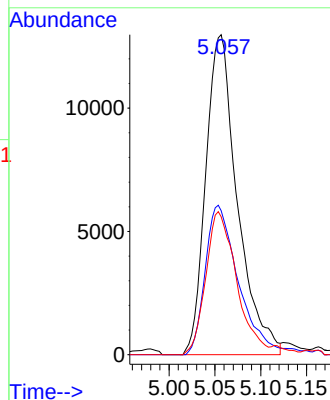
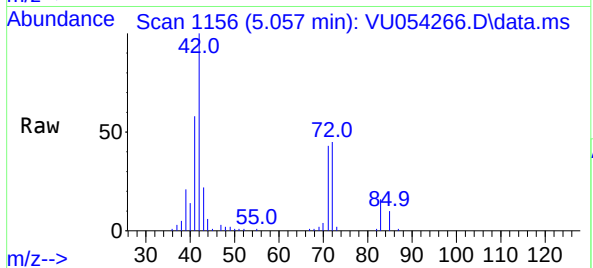




#29  
Tetrahydrofuran  
Concen: 25.056 ug/l  
RT: 5.057 min Scan# 1156  
Delta R.T. 0.010 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

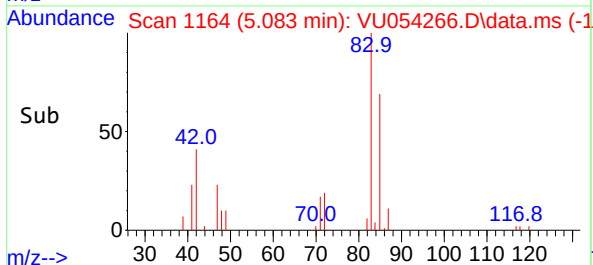
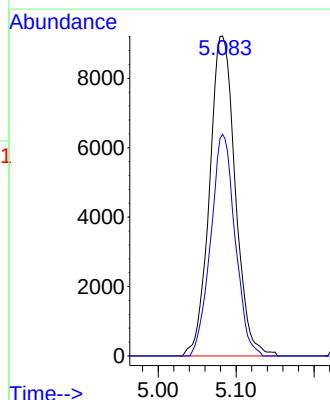
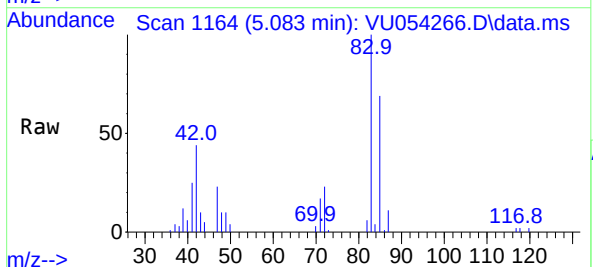
Instrument :  
MSVOA\_U  
ClientSampleId :

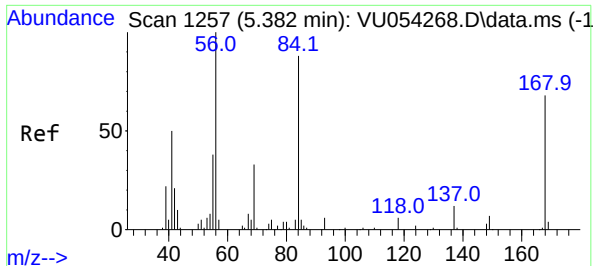
Tgt Ion: 42 Resp: 31089  
Ion Ratio Lower Upper  
42 100  
72 50.0 42.6 63.8  
71 43.5 40.3 60.5



#30  
Chloroform  
Concen: 4.956 ug/l  
RT: 5.083 min Scan# 1164  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

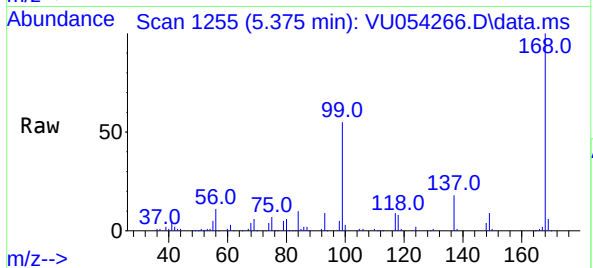
Tgt Ion: 83 Resp: 21157  
Ion Ratio Lower Upper  
83 100  
85 69.3 51.2 76.8



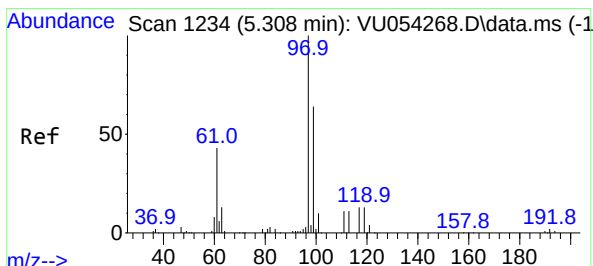
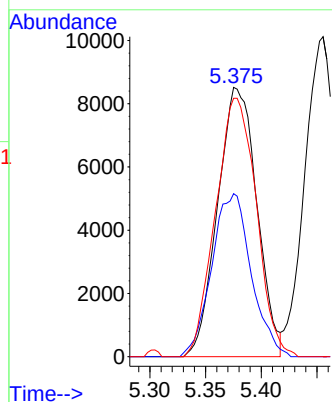
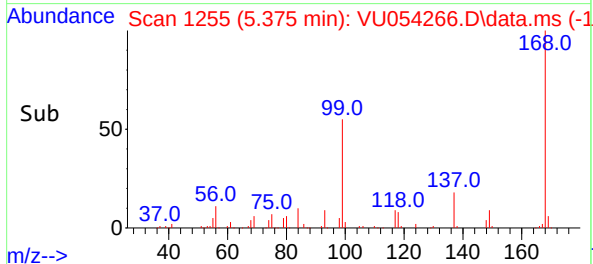


#31  
Cyclohexane  
Concen: 5.683 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.007 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

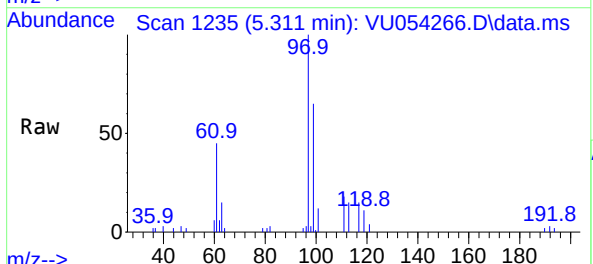
Instrument :  
MSVOA\_U  
ClientSampleId :



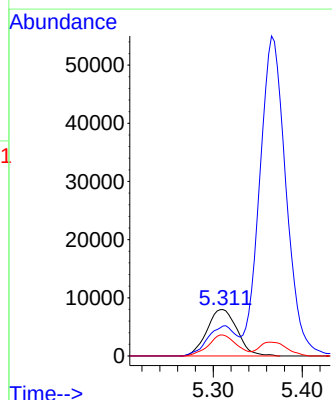
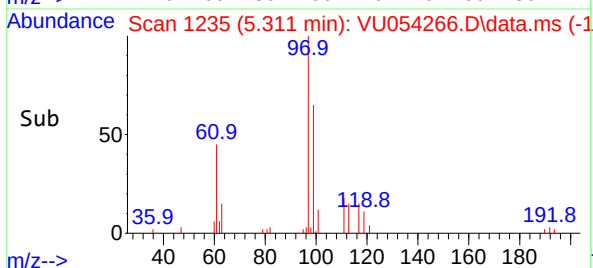
Tgt Ion: 56 Resp: 20872  
Ion Ratio Lower Upper  
56 100  
69 60.5 27.8 41.8#  
84 96.0 74.2 111.4

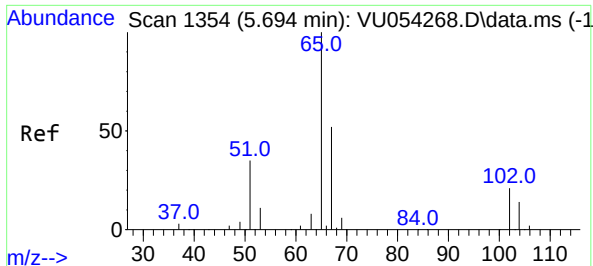


#32  
1,1,1-Trichloroethane  
Concen: 5.080 ug/l  
RT: 5.311 min Scan# 1235  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21



Tgt Ion: 97 Resp: 18828  
Ion Ratio Lower Upper  
97 100  
99 60.9 51.8 77.6  
61 41.4 35.1 52.7

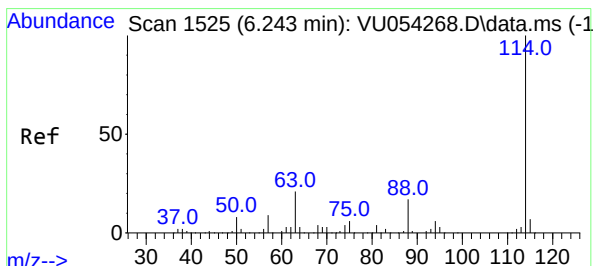
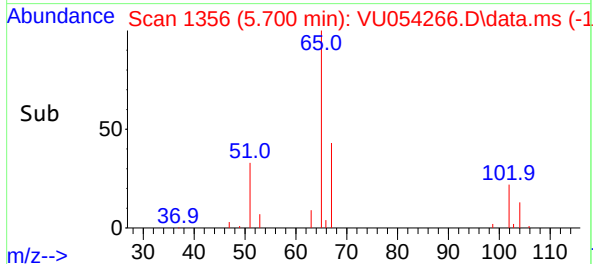
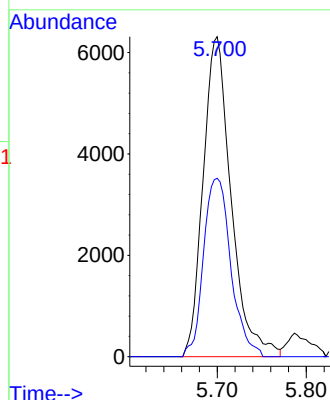
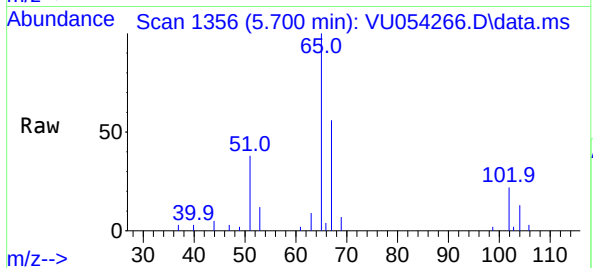




#33  
1,2-Dichloroethane-d4  
Concen: 5.302 ug/l  
RT: 5.700 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

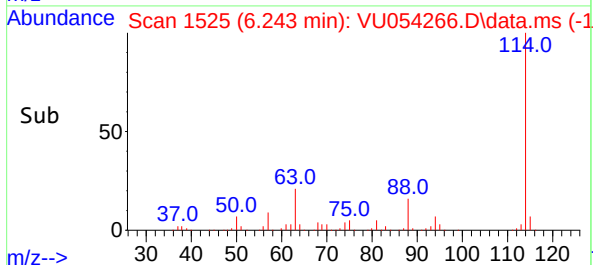
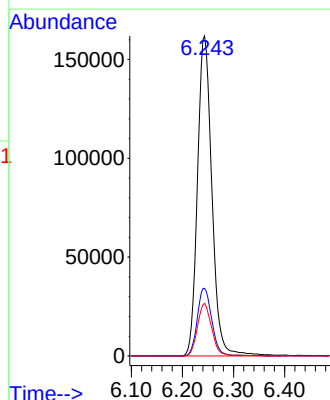
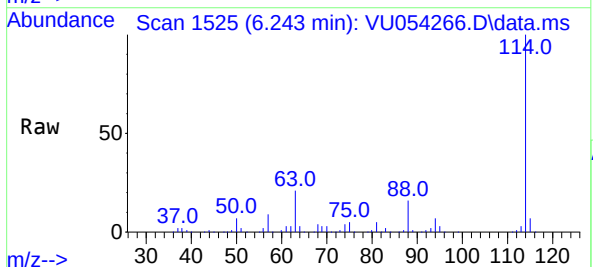
Instrument :  
MSVOA\_U  
ClientSampleId :

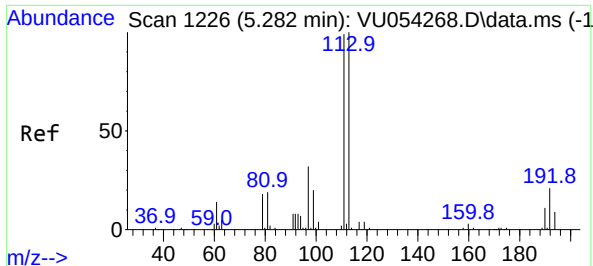
Tgt Ion: 65 Resp: 13790  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 108.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.243 min Scan# 1525  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 114 Resp: 317943  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 37.8  
88 16.4 0.0 29.2





#35

Dibromofluoromethane

Concen: 4.785 ug/l

RT: 5.285 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU054266.D

Acq: 25 May 2023 14:21

Instrument :

MSVOA\_U

ClientSampleId :

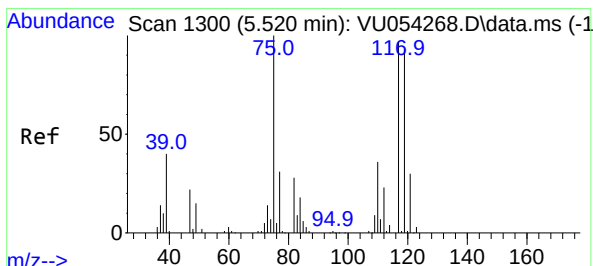
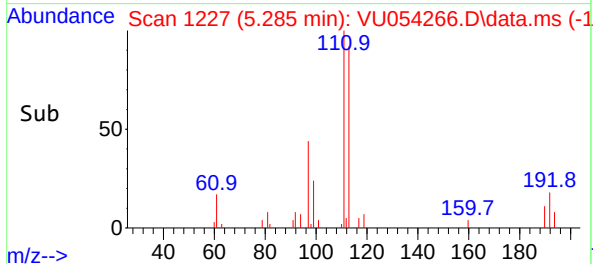
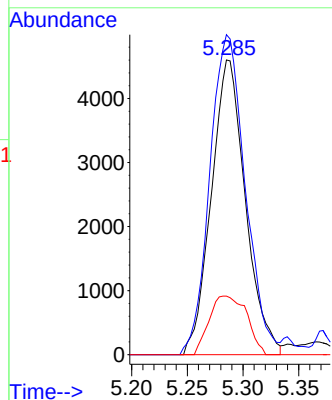
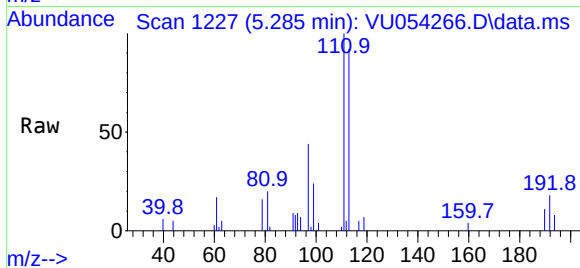
Tgt Ion:113 Resp: 9797

Ion Ratio Lower Upper

113 100

111 112.9 82.1 123.1

192 21.9 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.942 ug/l

RT: 5.523 min Scan# 1301

Delta R.T. 0.003 min

Lab File: VU054266.D

Acq: 25 May 2023 14:21

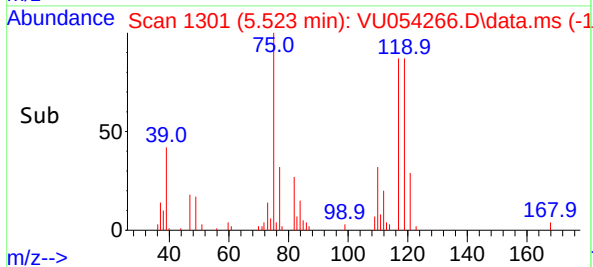
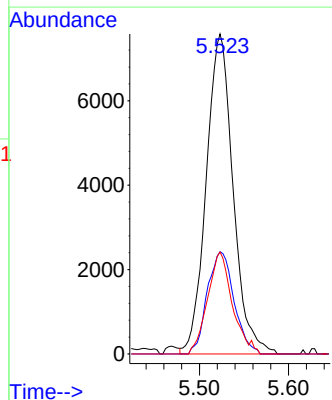
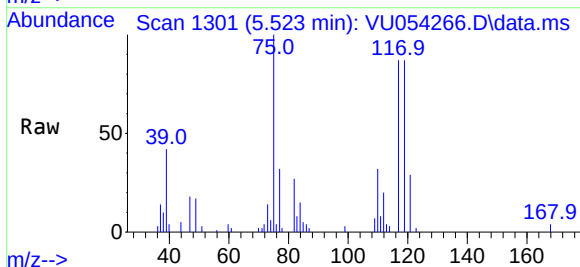
Tgt Ion: 75 Resp: 15894

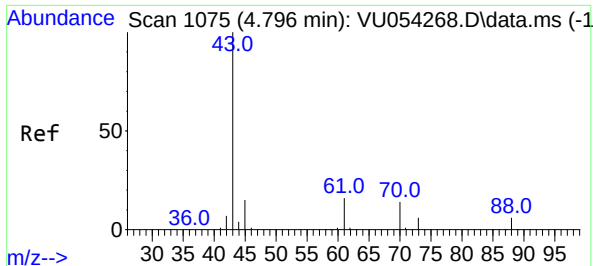
Ion Ratio Lower Upper

75 100

110 31.8 18.4 55.2

77 29.3 25.1 37.7





#37

Ethyl Acetate

Concen: 6.410 ug/l

RT: 4.806 min Scan# 1078

Delta R.T. 0.010 min

Lab File: VU054266.D

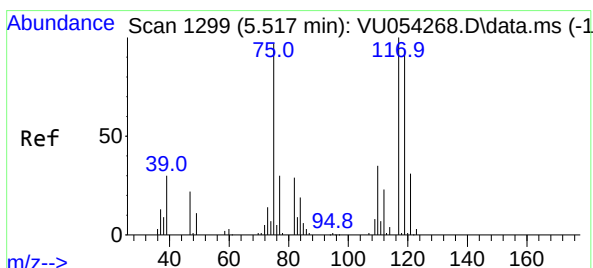
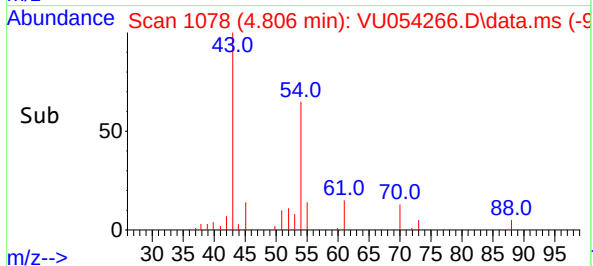
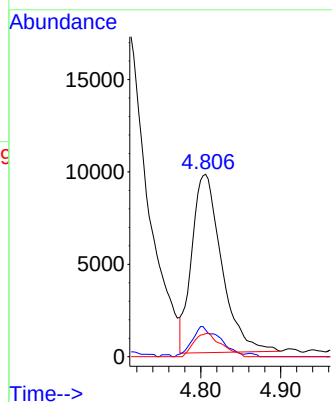
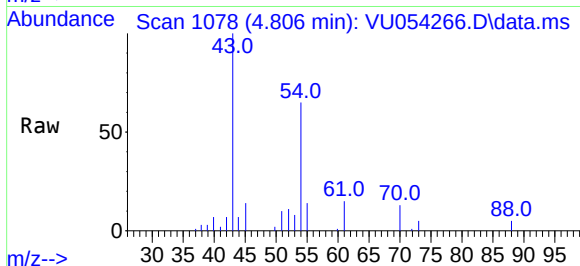
Acq: 25 May 2023 14:21

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 25124 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 15.8  | 9.5   | 14.3# |
| 70       | 12.1  | 7.5   | 11.3# |



#38

Carbon Tetrachloride

Concen: 4.901 ug/l

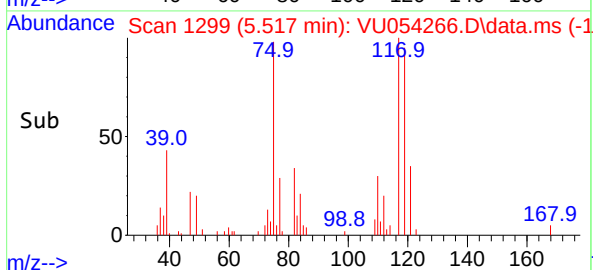
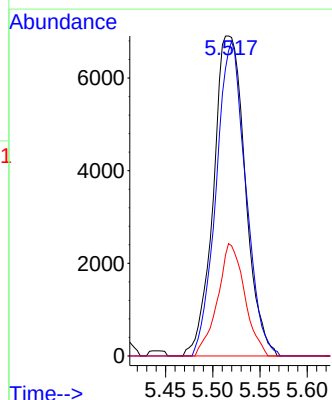
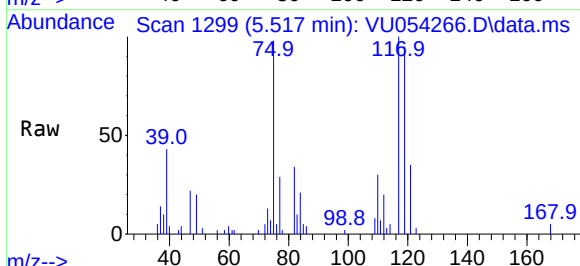
RT: 5.517 min Scan# 1299

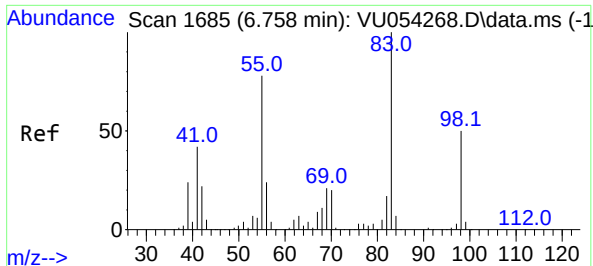
Delta R.T. -0.000 min

Lab File: VU054266.D

Acq: 25 May 2023 14:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 16133 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.3  | 76.8  | 115.2 |
| 121      | 35.1  | 24.7  | 37.1  |





#39

Methylcyclohexane

Concen: 4.966 ug/l

RT: 6.754 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054266.D

Acq: 25 May 2023 14:21

Instrument :

MSVOA\_U

ClientSampleId :

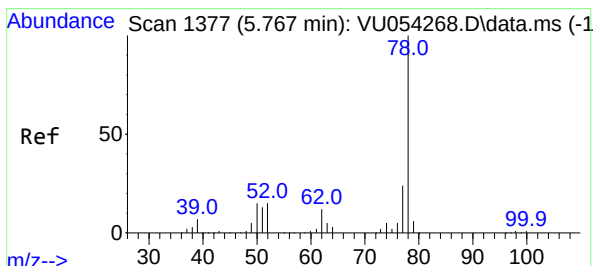
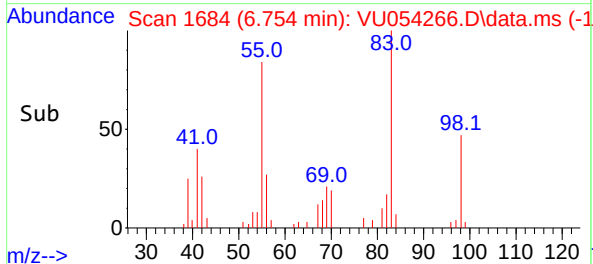
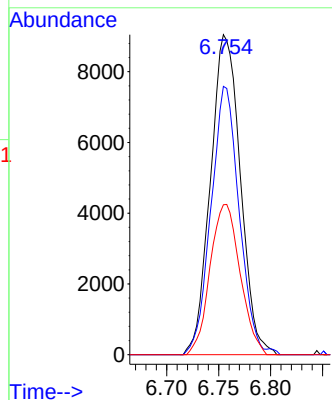
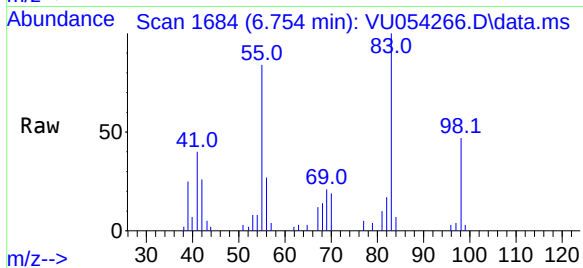
Tgt Ion: 83 Resp: 18088

Ion Ratio Lower Upper

83 100

55 83.9 55.3 82.9#

98 46.9 37.3 55.9



#40

Benzene

Concen: 5.021 ug/l

RT: 5.767 min Scan# 1377

Delta R.T. -0.000 min

Lab File: VU054266.D

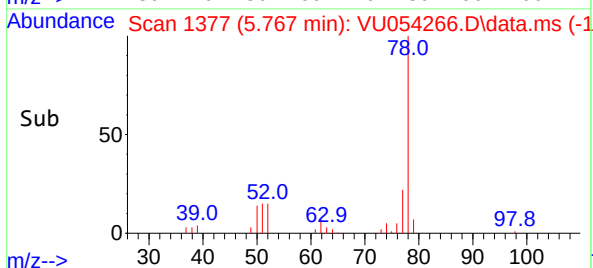
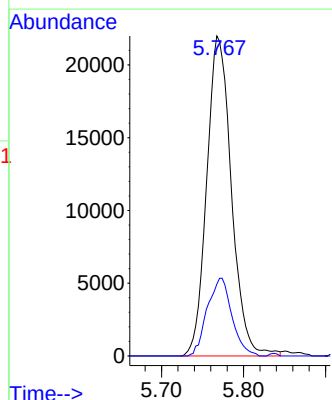
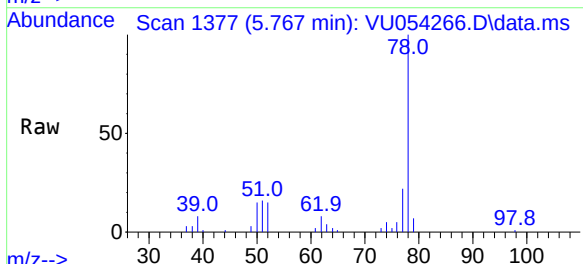
Acq: 25 May 2023 14:21

Tgt Ion: 78 Resp: 46056

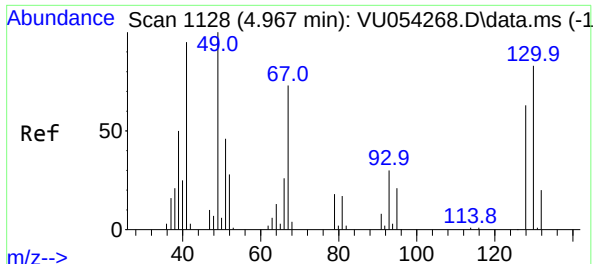
Ion Ratio Lower Upper

78 100

77 22.4 18.8 28.2

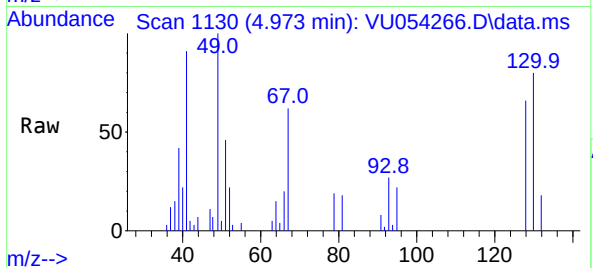




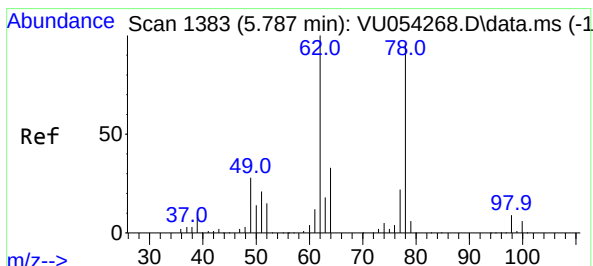
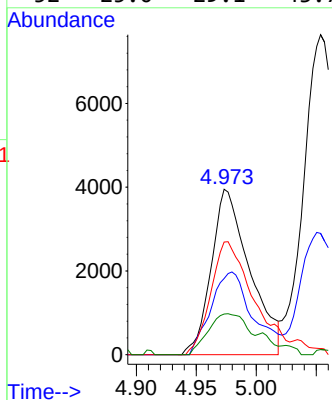
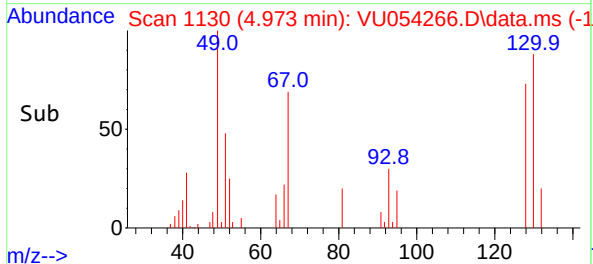


#41  
Methacrylonitrile  
Concen: 4.973 ug/l  
RT: 4.973 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

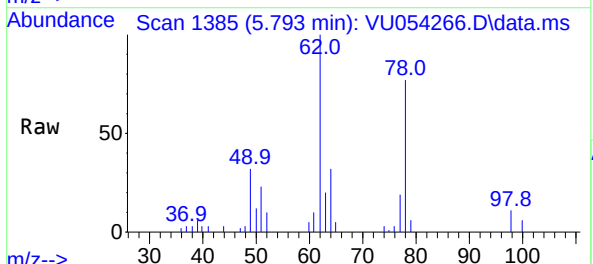
Instrument :  
MSVOA\_U  
ClientSampleId :



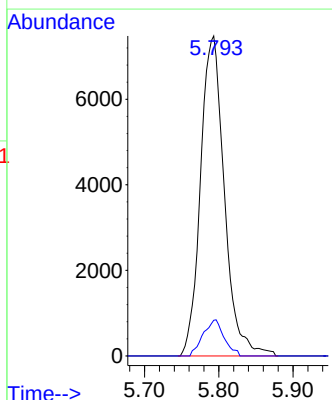
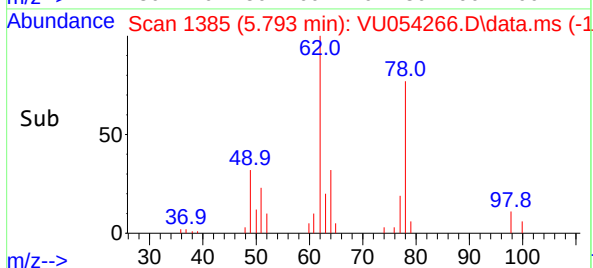
Tgt Ion: 41 Resp: 8812  
Ion Ratio Lower Upper  
41 100  
39 55.1 43.1 64.7  
67 75.4 72.3 108.5  
52 25.0 29.1 43.7#

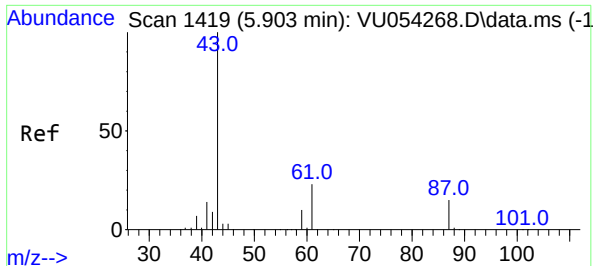


#42  
1,2-Dichloroethane  
Concen: 5.014 ug/l  
RT: 5.793 min Scan# 1385  
Delta R.T. 0.006 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21



Tgt Ion: 62 Resp: 16707  
Ion Ratio Lower Upper  
62 100  
98 9.9 0.0 18.6

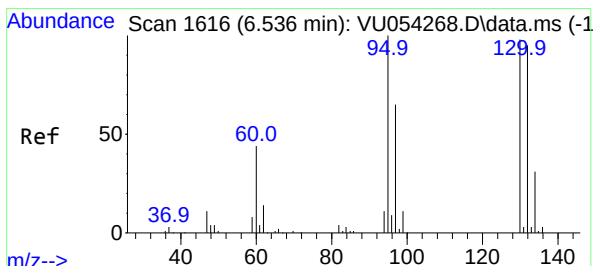
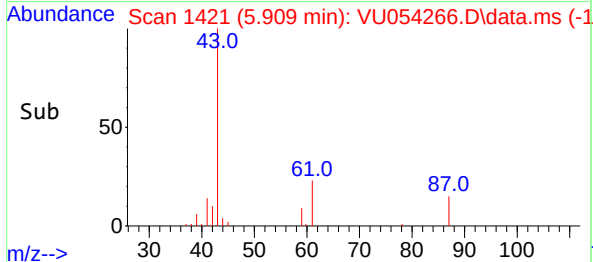
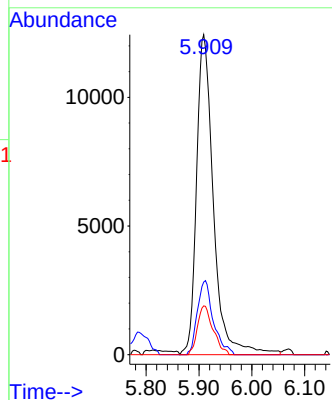
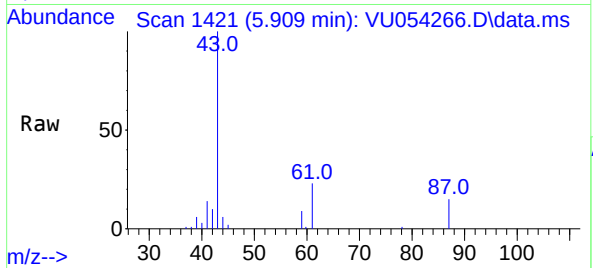




#43  
Isopropyl Acetate  
Concen: 5.096 ug/l  
RT: 5.909 min Scan# 1419  
Delta R.T. 0.006 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

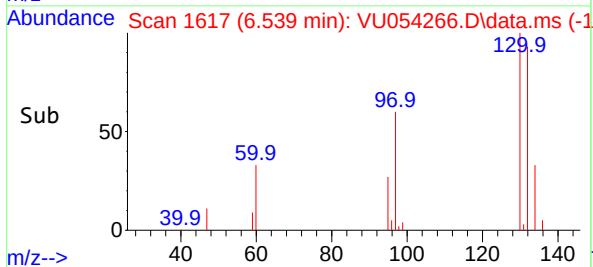
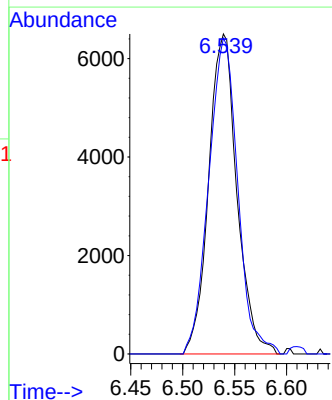
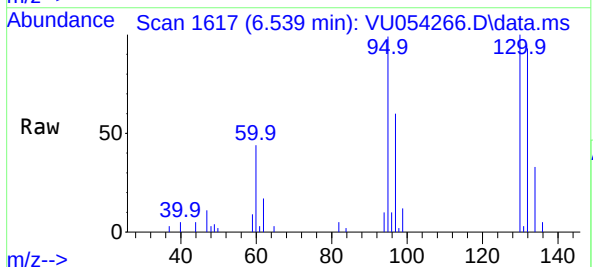
Instrument :  
MSVOA\_U  
ClientSampleId :

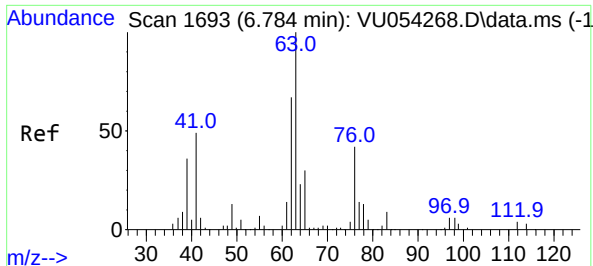
Tgt Ion: 43 Resp: 27547  
Ion Ratio Lower Upper  
43 100  
61 21.9 17.4 26.0  
87 14.1 12.6 18.8



#44  
Trichloroethene  
Concen: 4.796 ug/l  
RT: 6.539 min Scan# 1617  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 130 Resp: 12299  
Ion Ratio Lower Upper  
130 100  
95 98.7 0.0 184.6

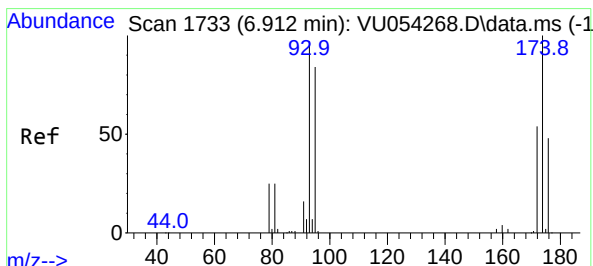
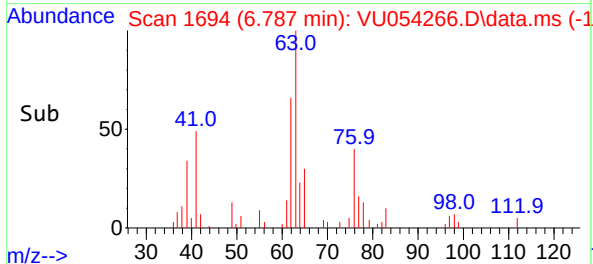
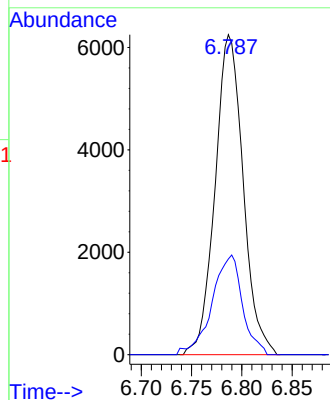
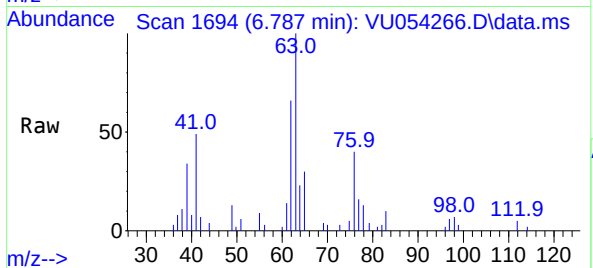




#45  
1,2-Dichloropropane  
Concen: 5.071 ug/l  
RT: 6.787 min Scan# 1694  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

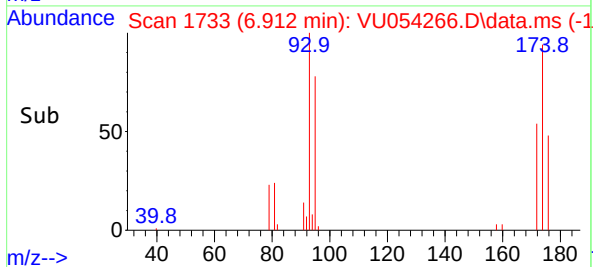
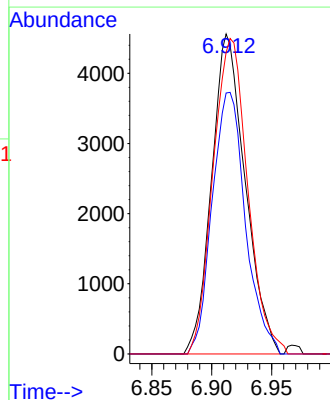
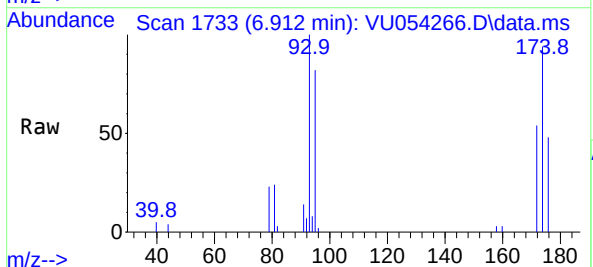
Instrument :  
MSVOA\_U  
ClientSampleId :

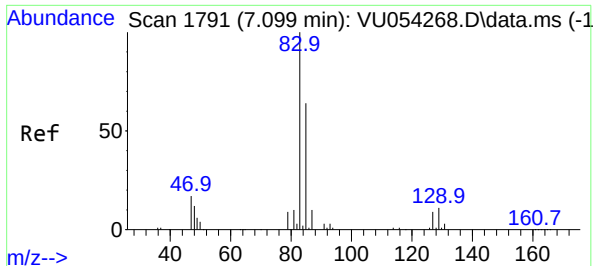
Tgt Ion: 63 Resp: 12136  
Ion Ratio Lower Upper  
63 100  
65 29.9 25.0 37.4



#46  
Dibromomethane  
Concen: 5.041 ug/l  
RT: 6.912 min Scan# 1733  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 93 Resp: 8879  
Ion Ratio Lower Upper  
93 100  
95 80.8 66.3 99.5  
174 101.7 88.2 132.4

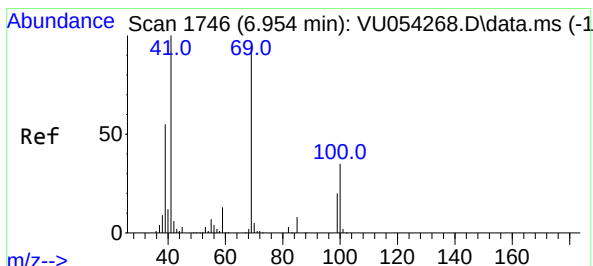
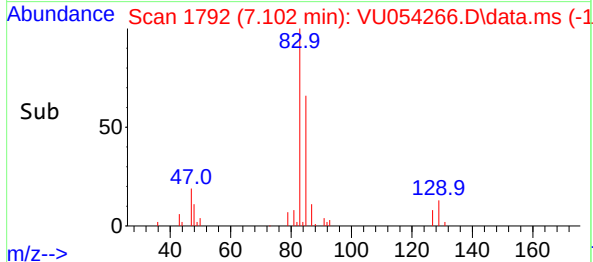
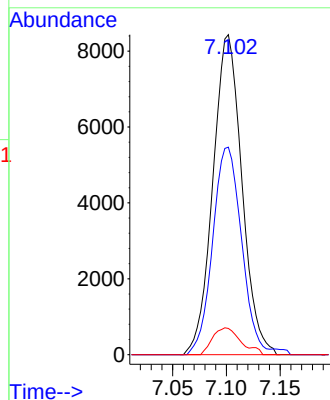
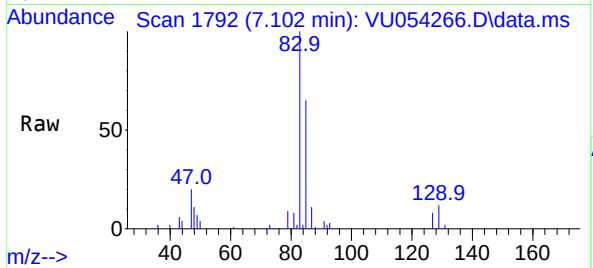




#47  
Bromodichloromethane  
Concen: 4.809 ug/l  
RT: 7.102 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

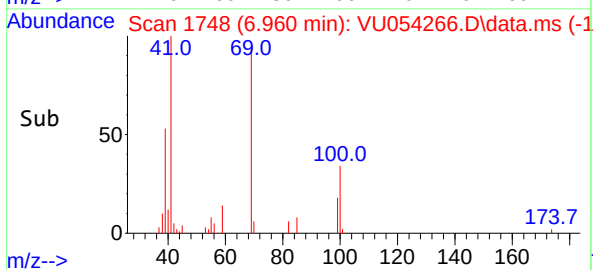
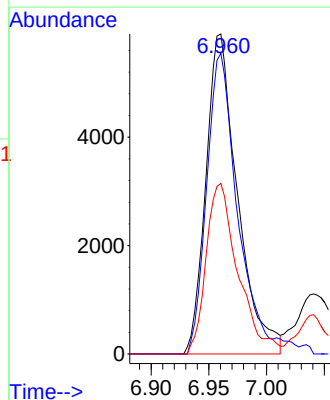
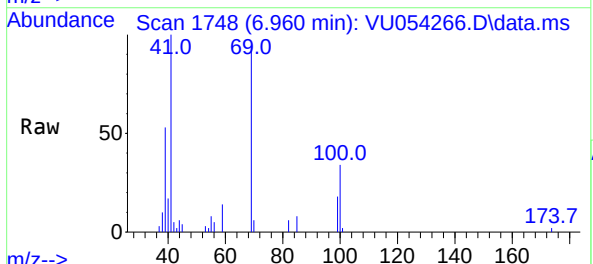
Instrument :  
MSVOA\_U  
ClientSampleId :

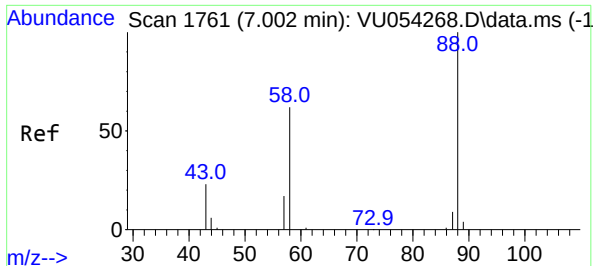
Tgt Ion: 83 Resp: 15842  
Ion Ratio Lower Upper  
83 100  
85 64.8 51.4 77.2  
127 8.2 7.1 10.7



#48  
Methyl methacrylate  
Concen: 4.691 ug/l  
RT: 6.960 min Scan# 1748  
Delta R.T. 0.006 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 41 Resp: 11247  
Ion Ratio Lower Upper  
41 100  
69 93.0 79.8 119.6  
39 53.8 47.9 71.9

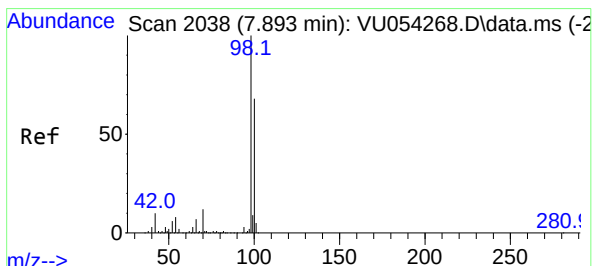
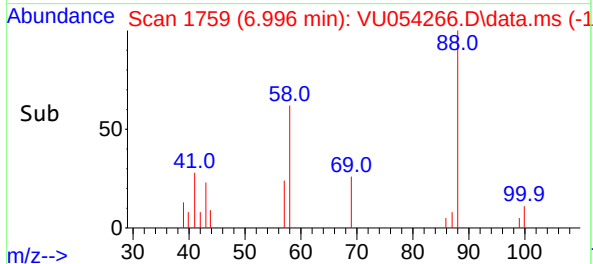
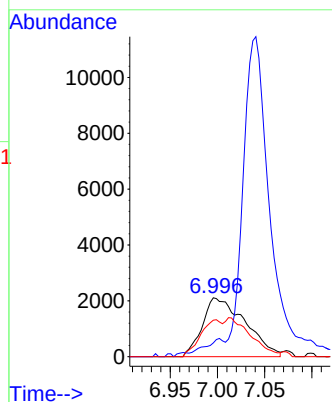
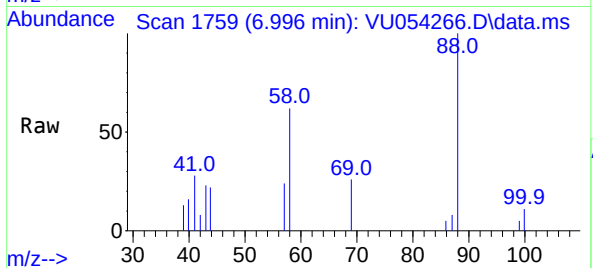




#49  
1,4-Dioxane  
Concen: 96.182 ug/l  
RT: 6.996 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

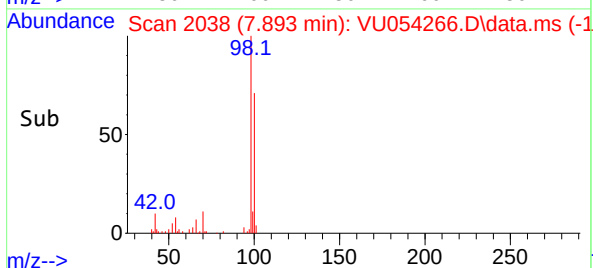
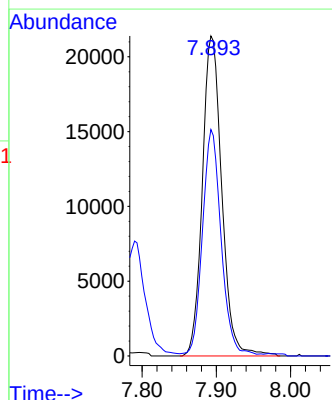
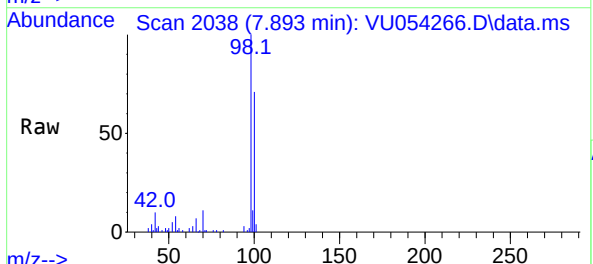
Instrument :  
MSVOA\_U  
ClientSampleId :

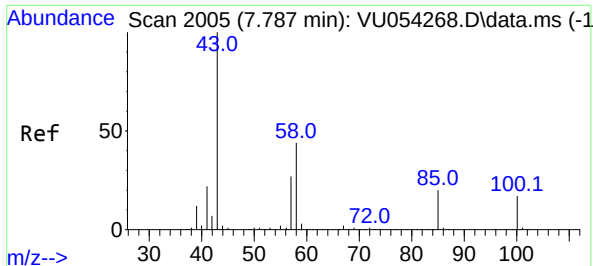
Tgt Ion: 88 Resp: 6657  
Ion Ratio Lower Upper  
88 100  
43 10.1 0.0 0.0#  
58 31.7 15.4 23.0#



#50  
Toluene-d8  
Concen: 4.997 ug/l  
RT: 7.893 min Scan# 2038  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 98 Resp: 38913  
Ion Ratio Lower Upper  
98 100  
100 66.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 23.602 ug/l

RT: 7.790 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU054266.D

Acq: 25 May 2023 14:21

Instrument :

MSVOA\_U

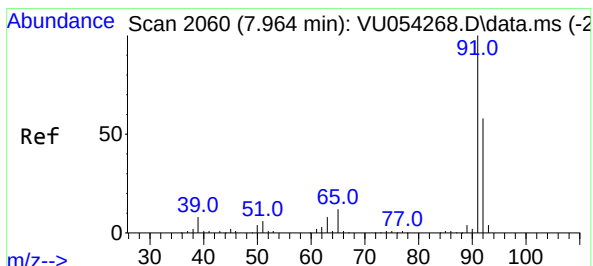
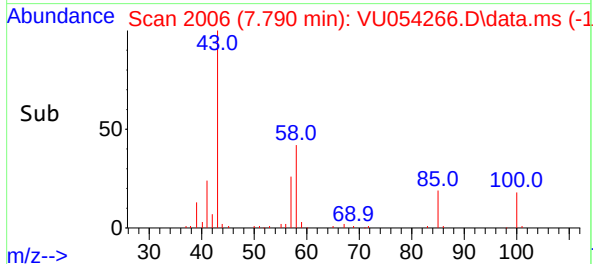
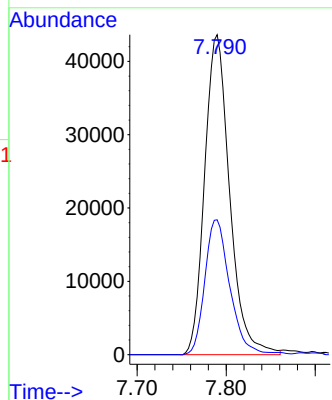
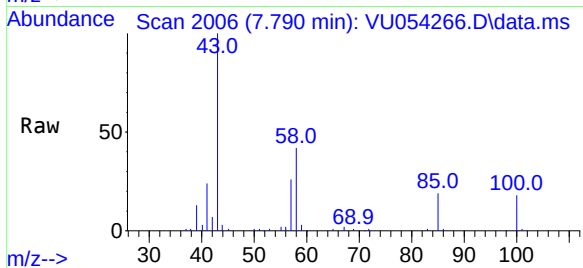
ClientSampleId :

Tgt Ion: 43 Resp: 85149

Ion Ratio Lower Upper

43 100

58 42.0 34.7 52.1



#52

Toluene

Concen: 4.891 ug/l

RT: 7.963 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054266.D

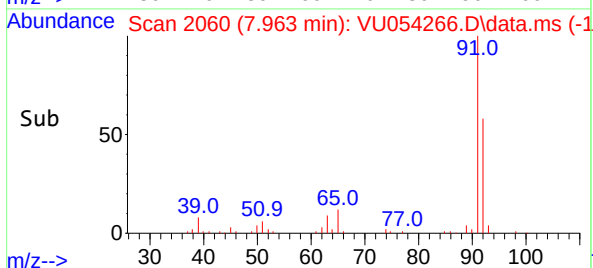
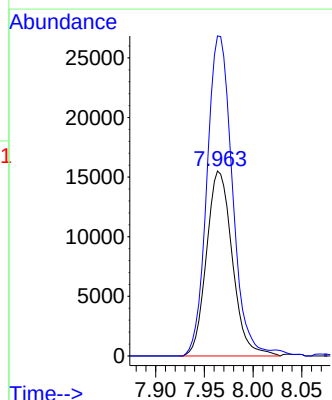
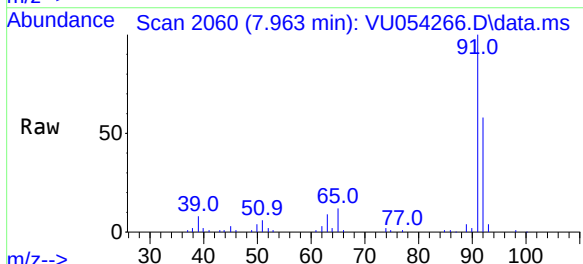
Acq: 25 May 2023 14:21

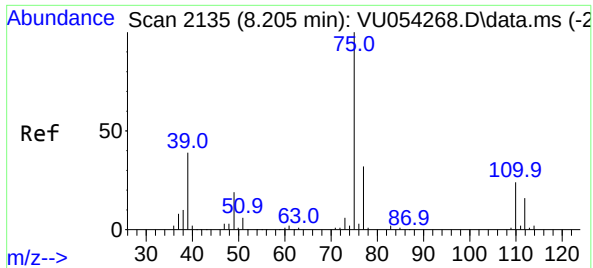
Tgt Ion: 92 Resp: 28607

Ion Ratio Lower Upper

92 100

91 170.1 138.2 207.4

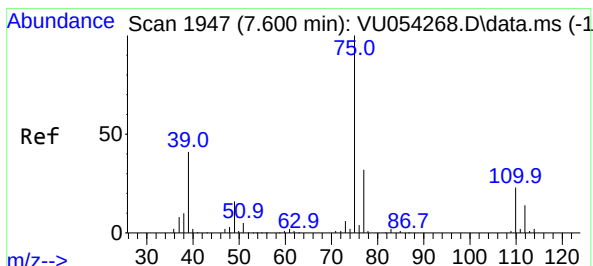
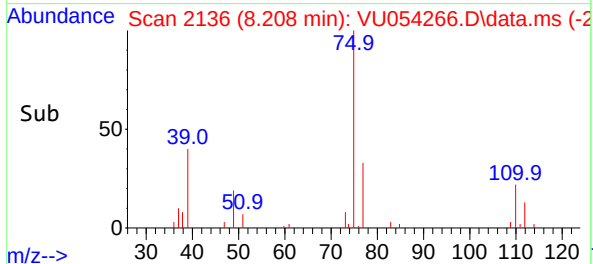
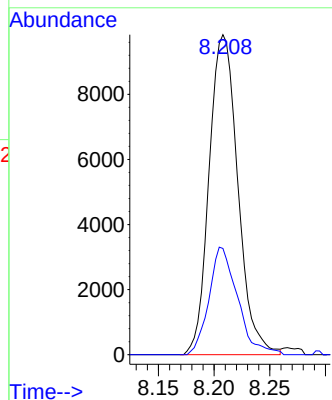
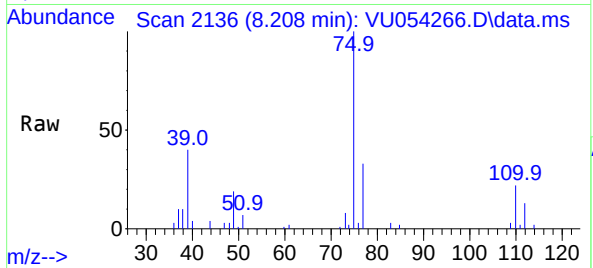




#53  
t-1,3-Dichloropropene  
Concen: 4.688 ug/l  
RT: 8.208 min Scan# 2136  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

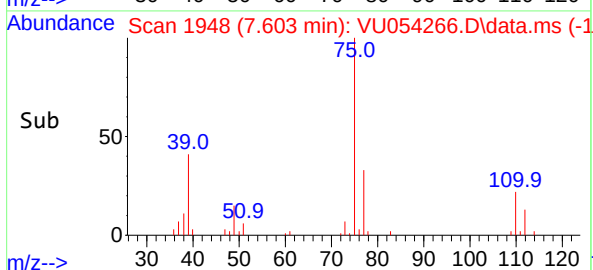
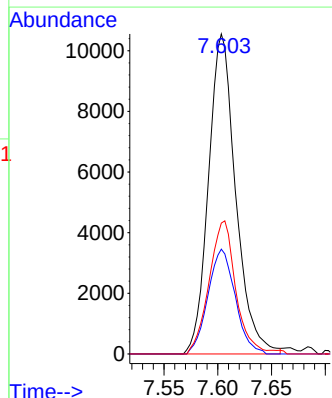
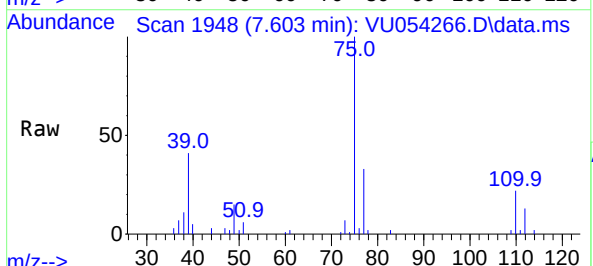
Instrument :  
MSVOA\_U  
ClientSampleId :

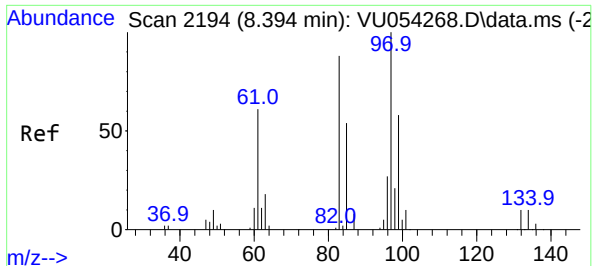
Tgt Ion: 75 Resp: 17670  
Ion Ratio Lower Upper  
75 100  
77 33.2 25.4 38.0



#54  
cis-1,3-Dichloropropene  
Concen: 4.722 ug/l  
RT: 7.603 min Scan# 1948  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

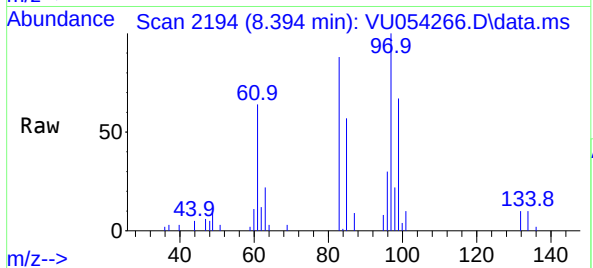
Tgt Ion: 75 Resp: 18574  
Ion Ratio Lower Upper  
75 100  
77 32.8 25.7 38.5  
39 40.9 33.0 49.6





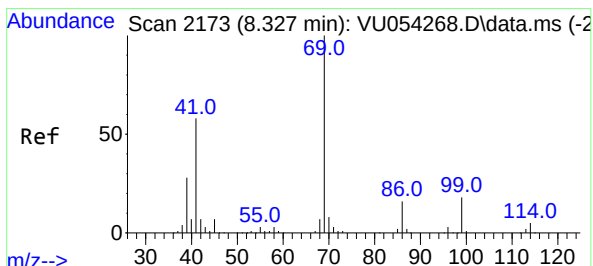
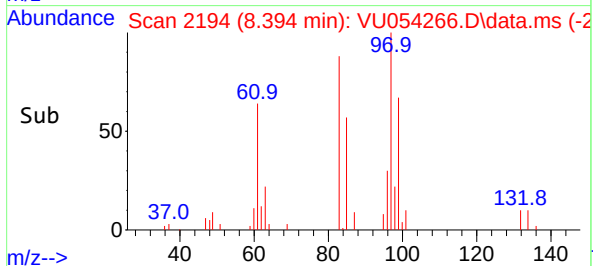
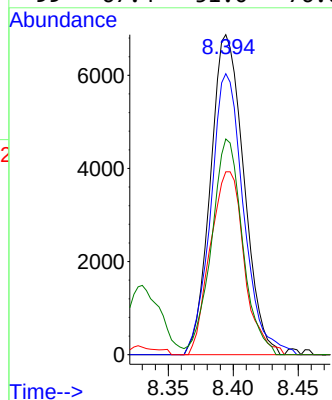
#55  
1,1,2-Trichloroethane  
Concen: 5.061 ug/l  
RT: 8.394 min Scan# 2194  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 97 Resp: 12267

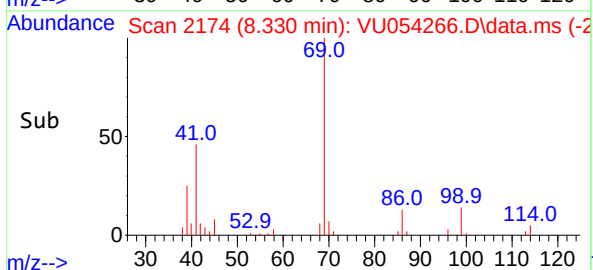
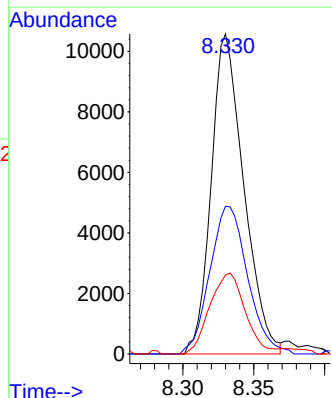
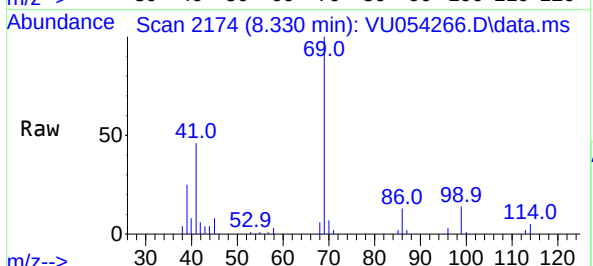
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 87.8  | 70.2  | 105.4 |
| 85  | 57.1  | 44.6  | 66.8  |
| 99  | 67.4  | 51.0  | 76.6  |



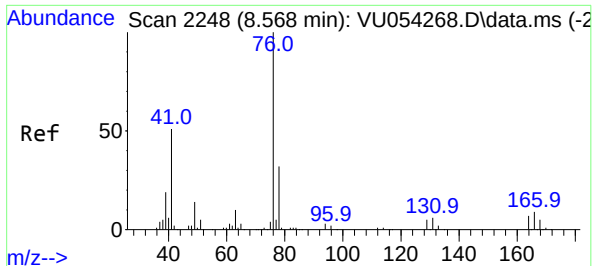
#56  
Ethyl methacrylate  
Concen: 4.684 ug/l  
RT: 8.330 min Scan# 2174  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 69 Resp: 16901

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 53.5  | 45.4  | 68.0  |
| 39  | 27.4  | 25.7  | 38.5  |



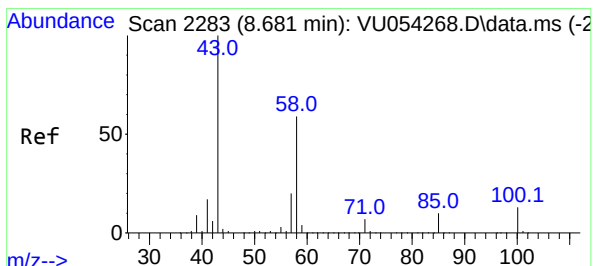
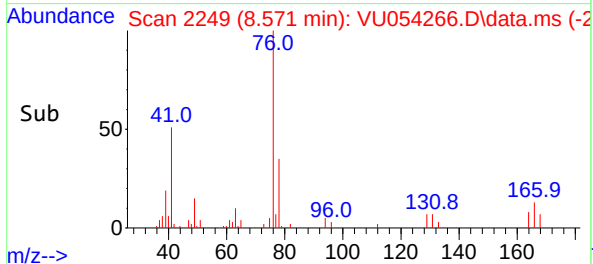
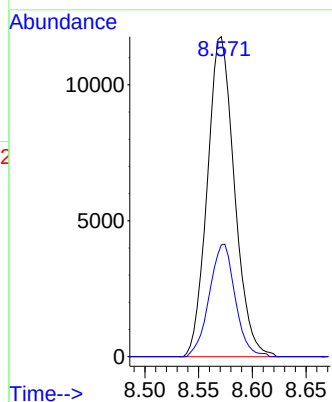
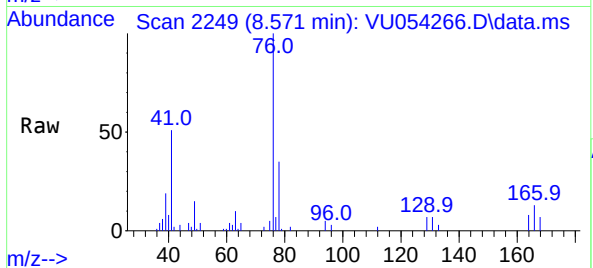




#57  
1,3-Dichloropropane  
Concen: 4.954 ug/l  
RT: 8.571 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

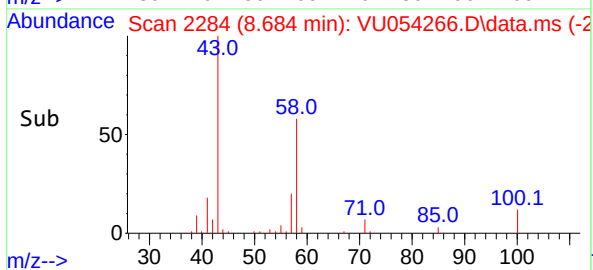
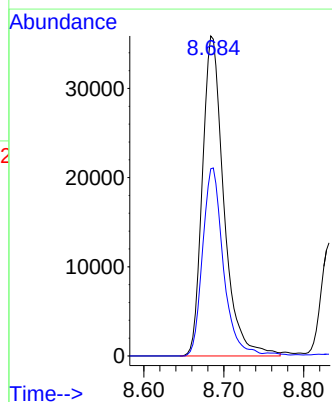
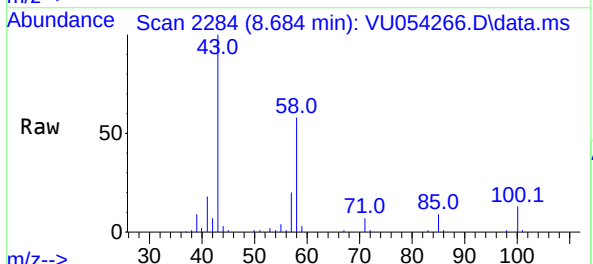
Instrument :  
MSVOA\_U  
ClientSampleId :

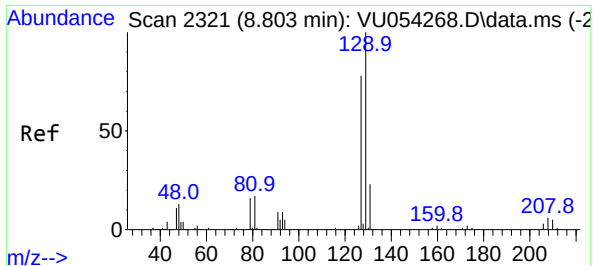
Tgt Ion: 76 Resp: 20680  
Ion Ratio Lower Upper  
76 100  
78 33.5 26.1 39.1



#59  
2-Hexanone  
Concen: 23.492 ug/l  
RT: 8.684 min Scan# 2284  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 43 Resp: 66950  
Ion Ratio Lower Upper  
43 100  
58 56.7 30.3 90.8

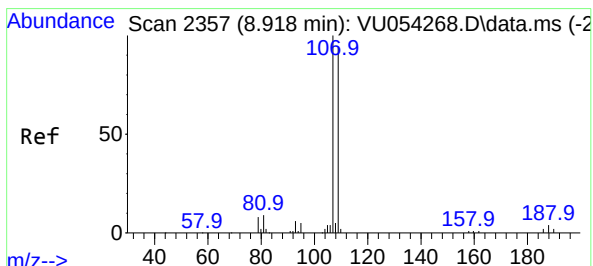
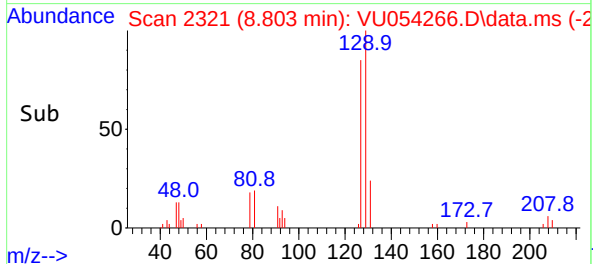
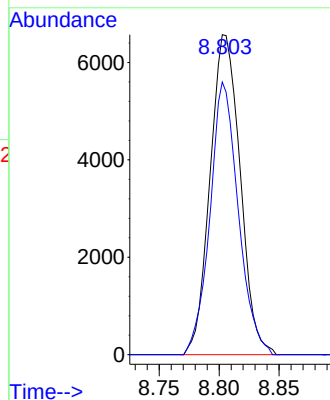
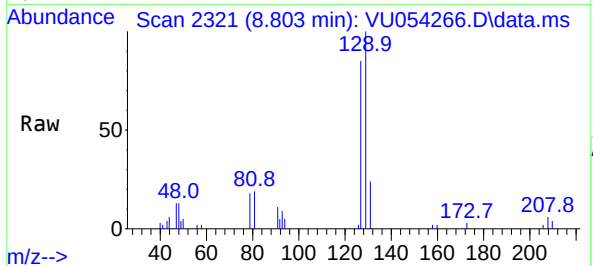




#60  
Dibromochloromethane  
Concen: 4.653 ug/l  
RT: 8.803 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

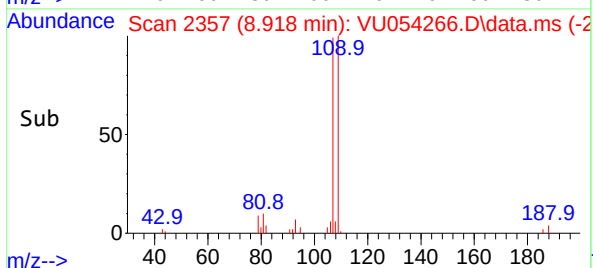
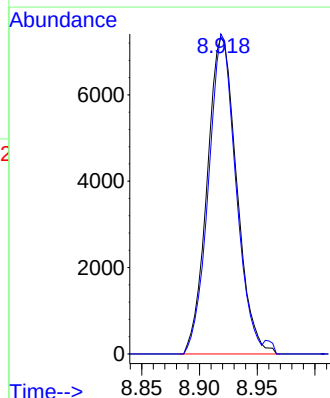
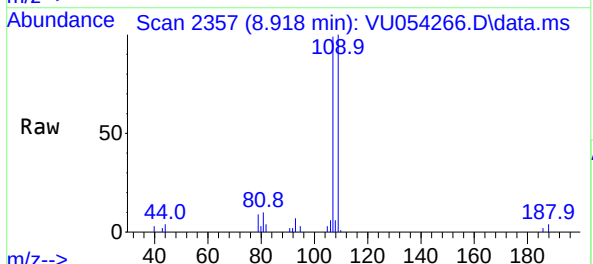
Instrument :  
MSVOA\_U  
ClientSampleId :

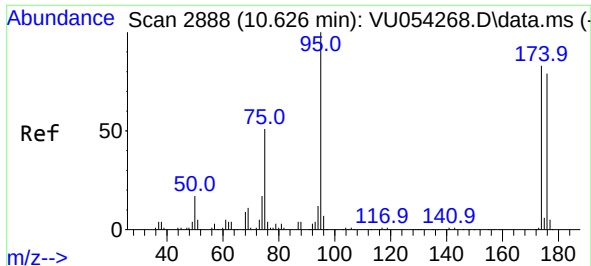
Tgt Ion:129 Resp: 11458  
Ion Ratio Lower Upper  
129 100  
127 80.2 38.6 116.0



#61  
1,2-Dibromoethane  
Concen: 4.951 ug/l  
RT: 8.918 min Scan# 2357  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion:107 Resp: 13060  
Ion Ratio Lower Upper  
107 100  
109 93.4 75.1 112.7

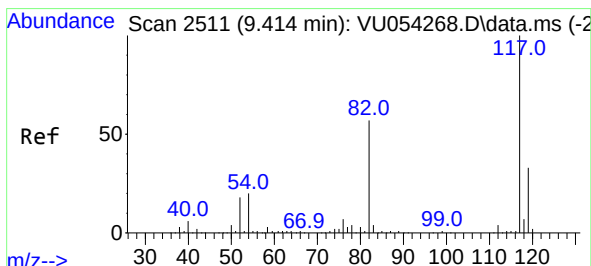
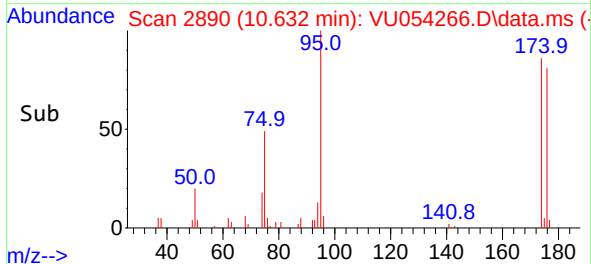
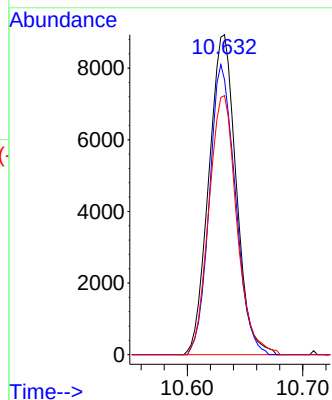
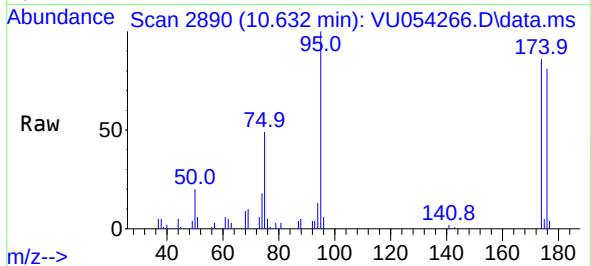




#62  
4-Bromofluorobenzene  
Concen: 4.877 ug/l  
RT: 10.632 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

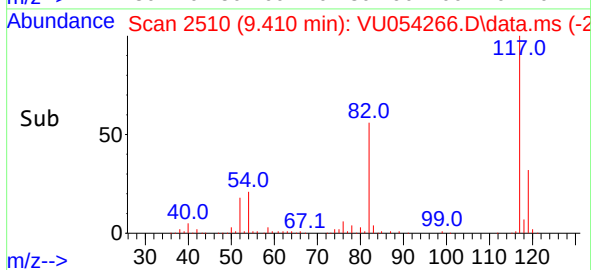
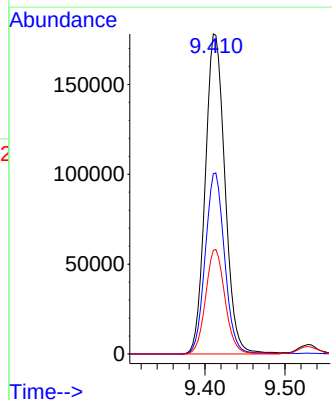
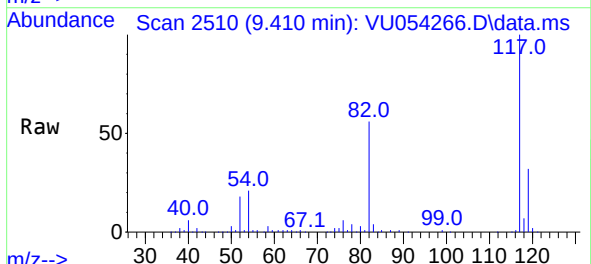
Instrument :  
MSVOA\_U  
ClientSampleId :

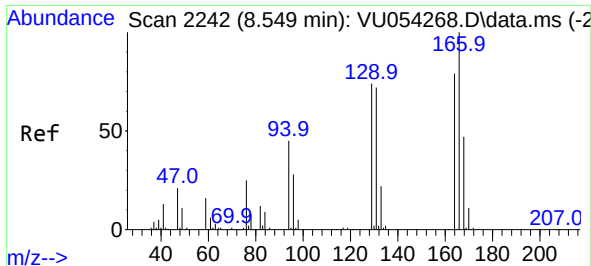
Tgt Ion: 95 Resp: 14728  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 182.0  
176 82.2 0.0 177.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.410 min Scan# 2510  
Delta R.T. -0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

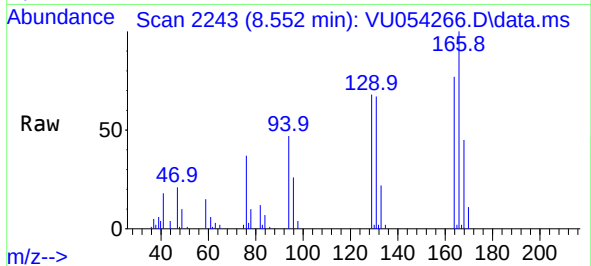
Tgt Ion: 117 Resp: 305942  
Ion Ratio Lower Upper  
117 100  
82 56.3 41.7 62.5  
119 32.4 25.7 38.5



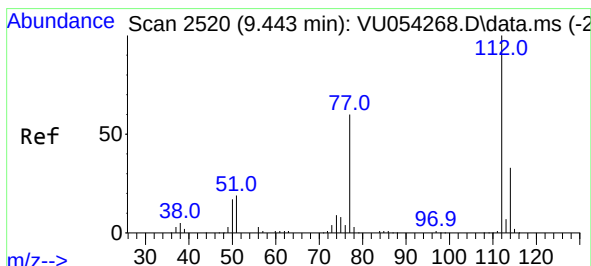
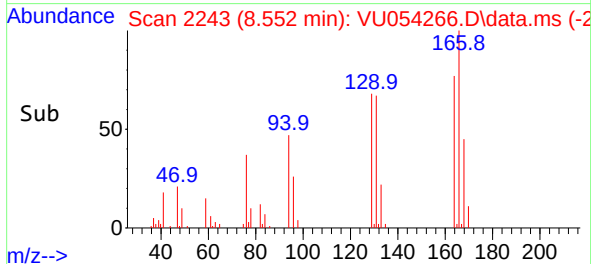
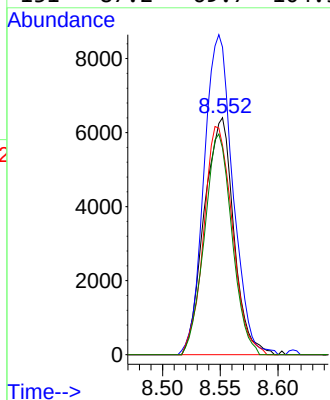


#64  
Tetrachloroethene  
Concen: 4.956 ug/l  
RT: 8.552 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :

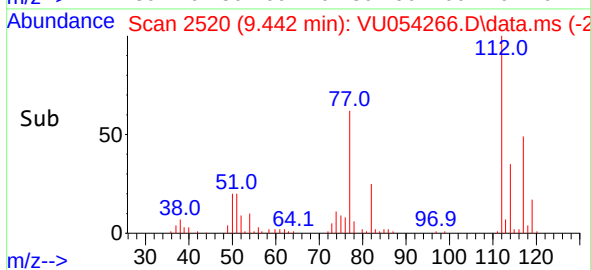
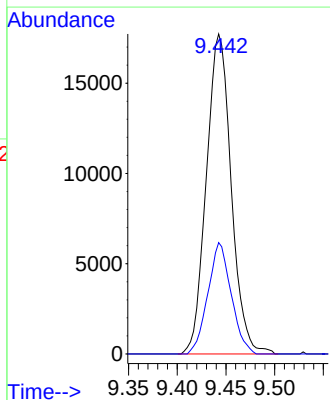
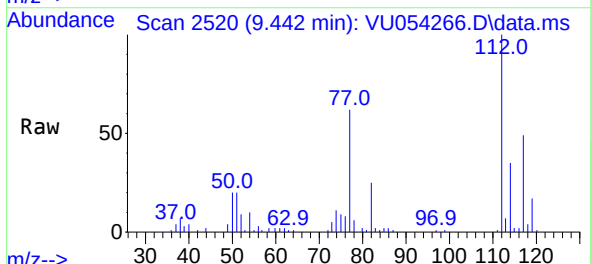


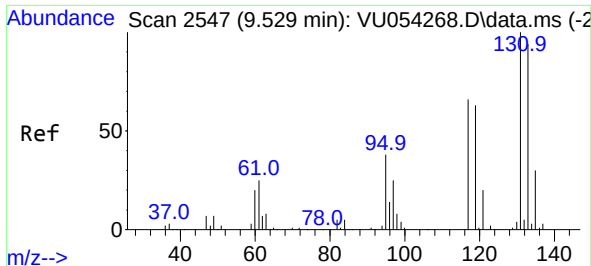
Tgt Ion:164 Resp: 11412  
Ion Ratio Lower Upper  
164 100  
166 129.8 100.0 150.0  
129 88.3 72.0 108.0  
131 87.2 69.7 104.5



#65  
Chlorobenzene  
Concen: 4.921 ug/l  
RT: 9.442 min Scan# 2520  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion:112 Resp: 31474  
Ion Ratio Lower Upper  
112 100  
114 34.8 24.9 37.3

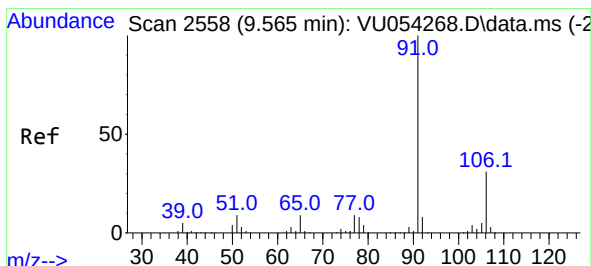
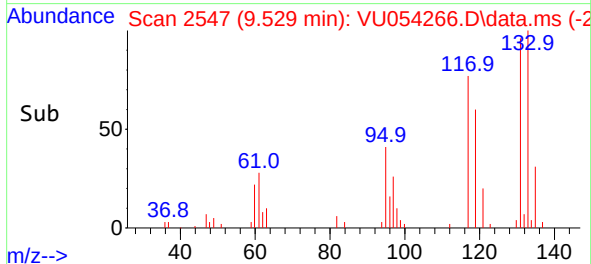
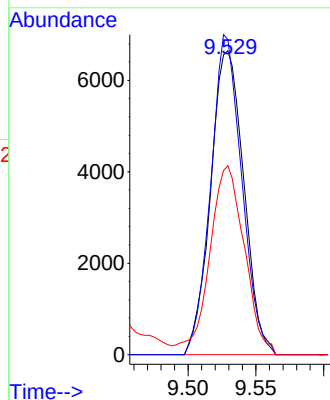
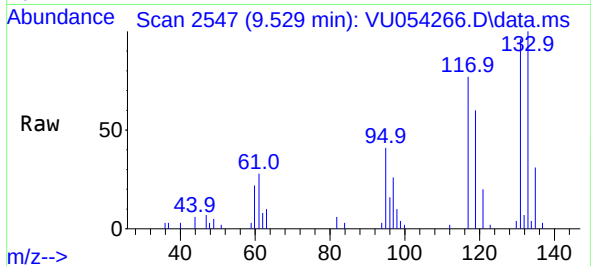




#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.877 ug/l  
RT: 9.529 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

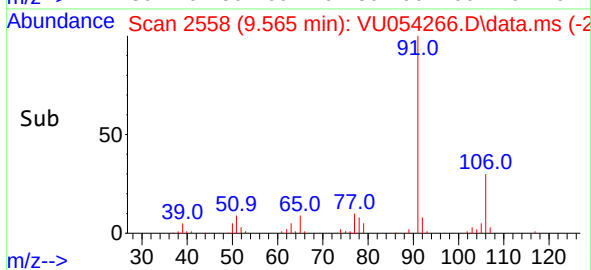
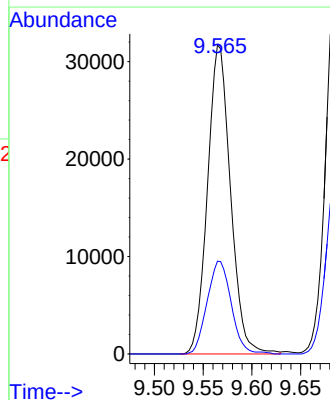
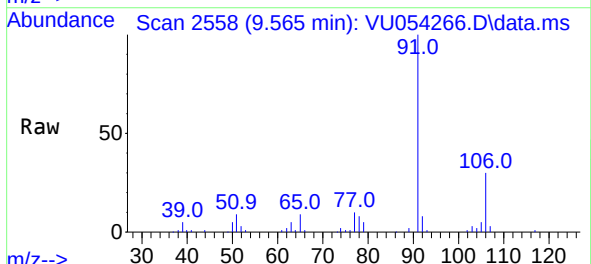
Instrument :  
MSVOA\_U  
ClientSampleId :

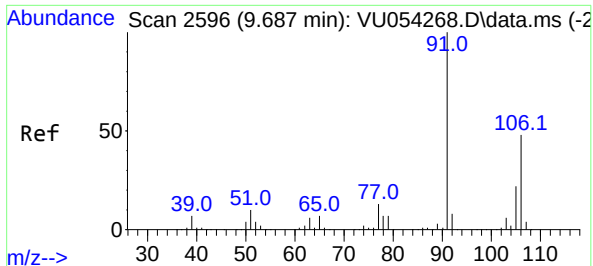
Tgt Ion:131 Resp: 11317  
Ion Ratio Lower Upper  
131 100  
133 98.2 48.4 145.0  
119 64.8 33.9 101.6



#67  
Ethyl Benzene  
Concen: 4.755 ug/l  
RT: 9.565 min Scan# 2558  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 91 Resp: 51990  
Ion Ratio Lower Upper  
91 100  
106 30.0 25.6 38.4

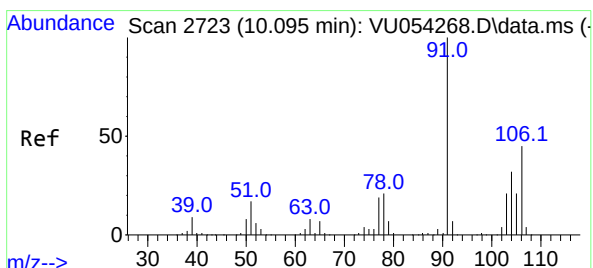
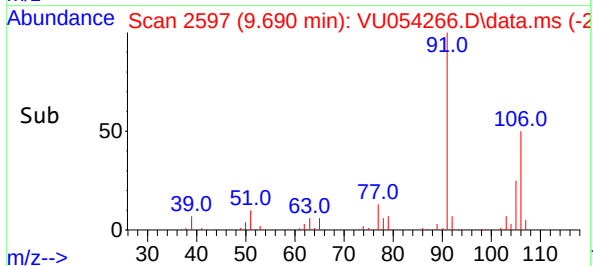
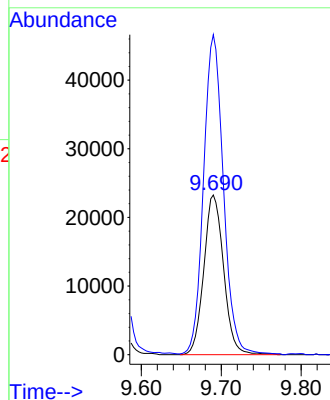
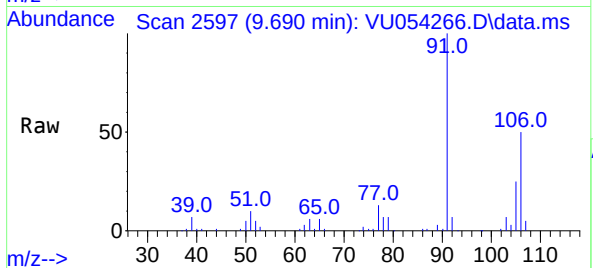




#68  
m/p-Xylenes  
Concen: 9.693 ug/l  
RT: 9.690 min Scan# 2596  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

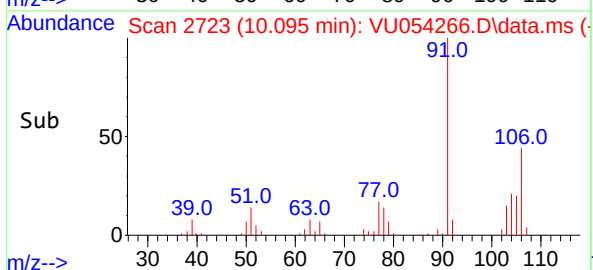
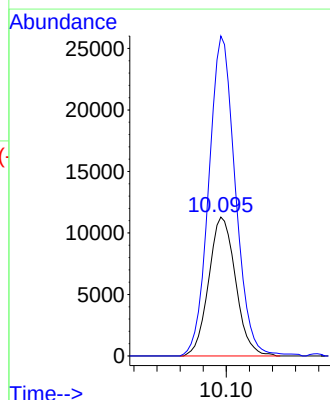
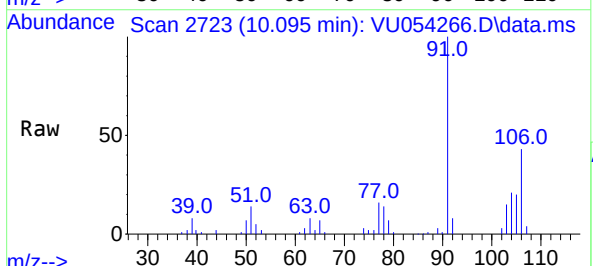
Instrument :  
MSVOA\_U  
ClientSampleId :

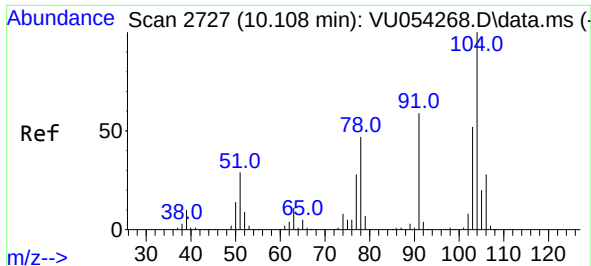
Tgt Ion:106 Resp: 40174  
Ion Ratio Lower Upper  
106 100  
91 201.1 157.2 235.8



#69  
o-Xylene  
Concen: 4.552 ug/l  
RT: 10.095 min Scan# 2723  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

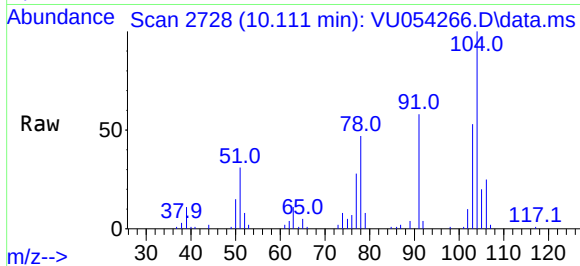
Tgt Ion:106 Resp: 18262  
Ion Ratio Lower Upper  
106 100  
91 227.6 103.5 310.5



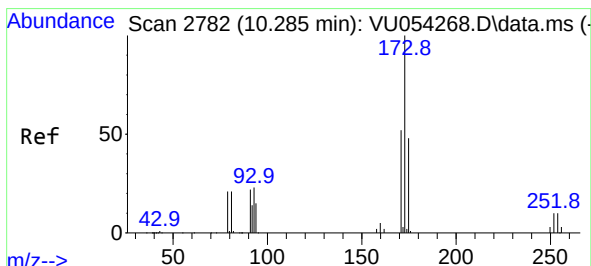
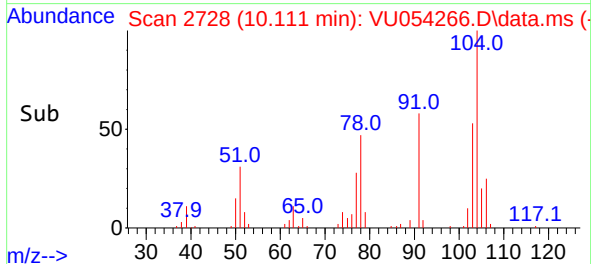
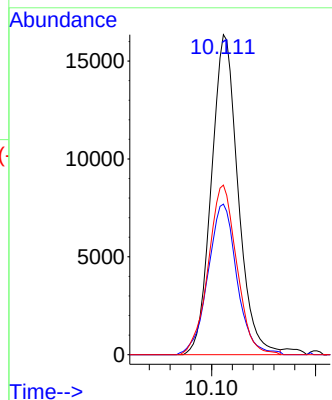


#70  
Styrene  
Concen: 4.385 ug/l  
RT: 10.111 min Scan# 2728  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :

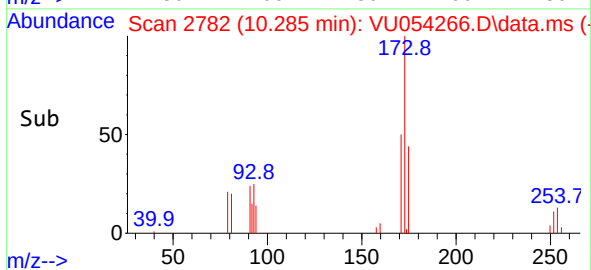
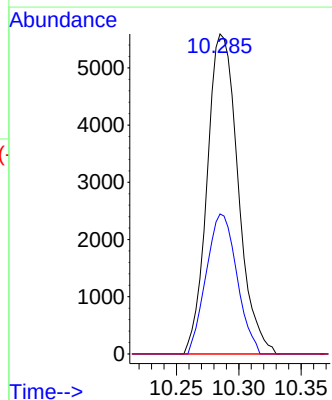
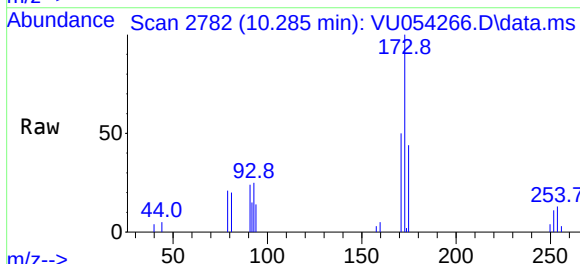


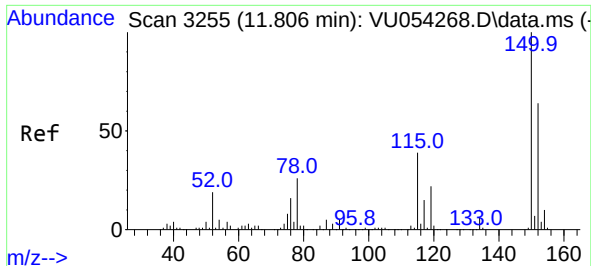
Tgt Ion:104 Resp: 29176  
Ion Ratio Lower Upper  
104 100  
78 51.1 38.0 57.0  
103 56.3 43.9 65.9



#71  
Bromoform  
Concen: 4.792 ug/l  
RT: 10.285 min Scan# 2782  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

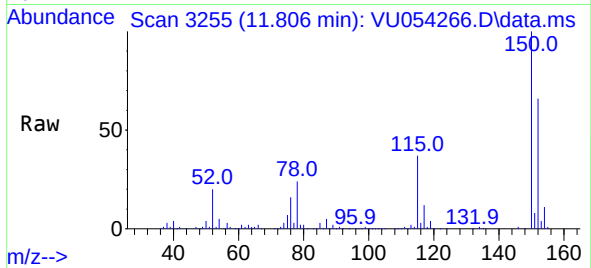
Tgt Ion:173 Resp: 9663  
Ion Ratio Lower Upper  
173 100  
175 43.3 24.1 72.2  
254 0.0 0.1 0.1#



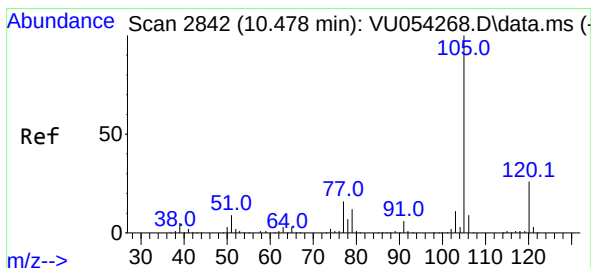
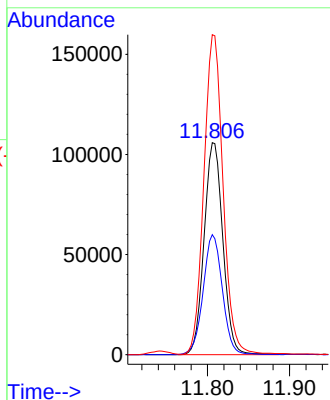
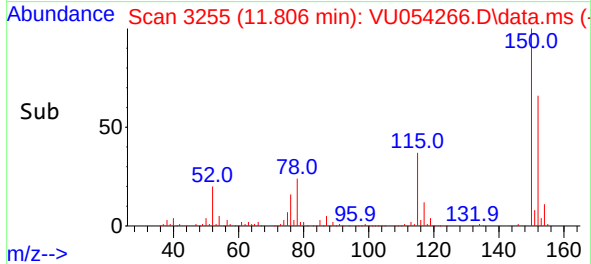


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.806 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

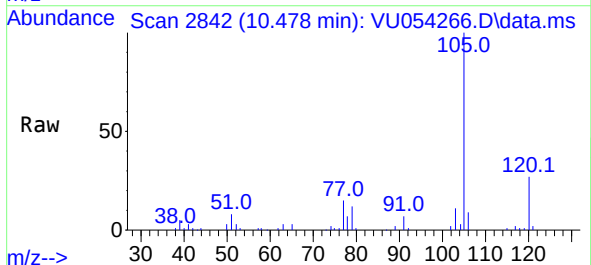
Instrument :  
MSVOA\_U  
ClientSampleId :



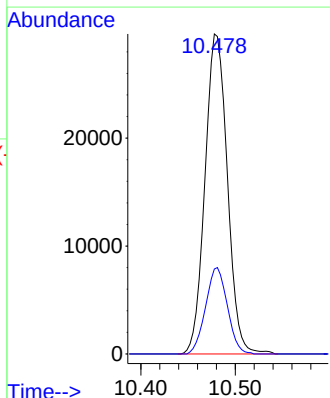
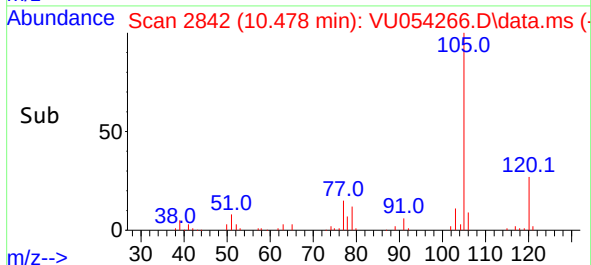
Tgt Ion:152 Resp: 168573  
Ion Ratio Lower Upper  
152 100  
115 58.0 37.0 110.9  
150 153.6 0.0 342.2



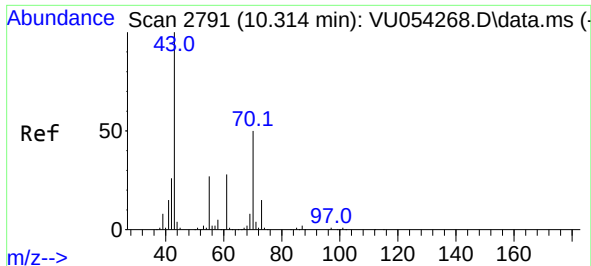
#73  
Isopropylbenzene  
Concen: 4.674 ug/l  
RT: 10.478 min Scan# 2842  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21



Tgt Ion:105 Resp: 48794  
Ion Ratio Lower Upper  
105 100  
120 26.2 13.8 41.4

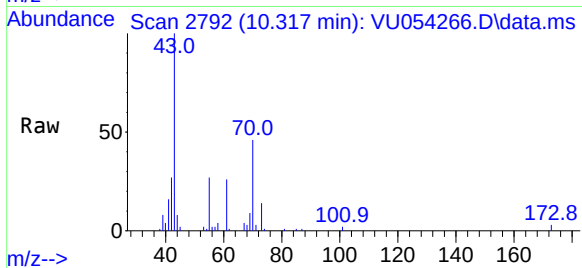






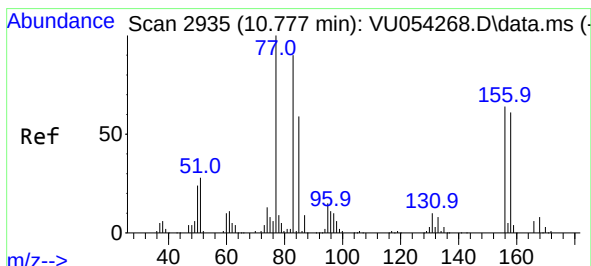
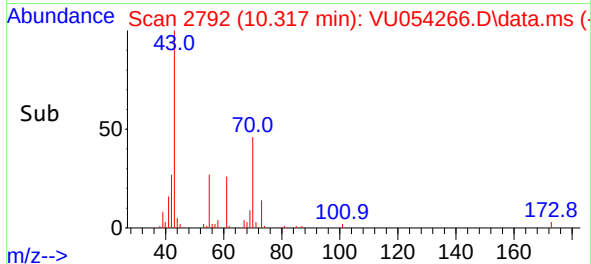
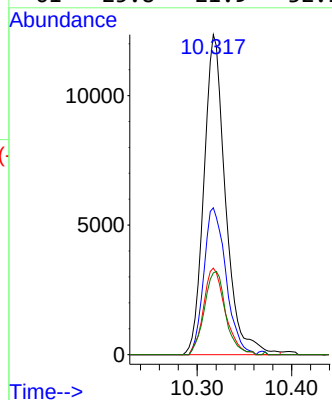
#74  
N-amy1 acetate  
Concen: 4.424 ug/l  
RT: 10.317 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 43 Resp: 19609

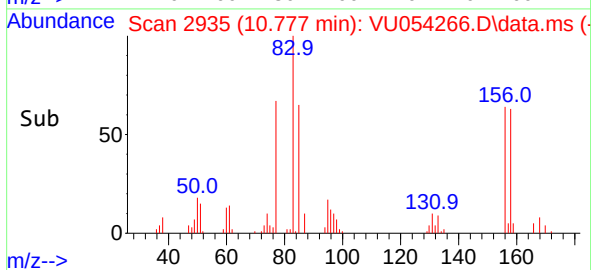
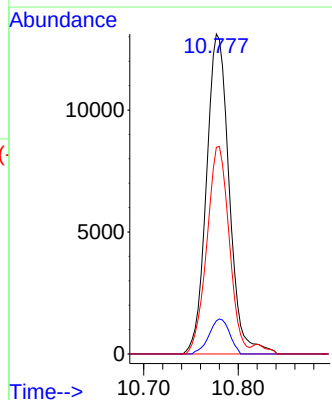
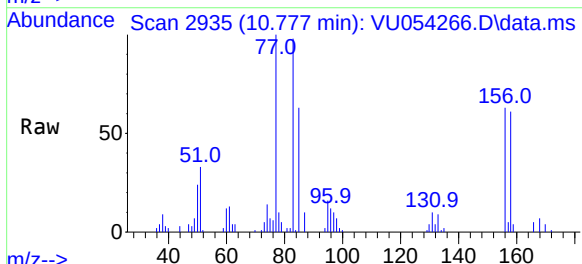
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 70  | 47.0  | 38.7  | 58.1  |
| 55  | 27.0  | 21.8  | 32.8  |
| 61  | 25.8  | 21.9  | 32.9  |

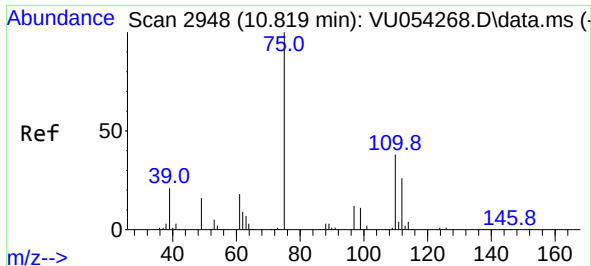


#75  
1,1,2,2-Tetrachloroethane  
Concen: 5.191 ug/l  
RT: 10.777 min Scan# 2935  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 83 Resp: 21928

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 9.8   | 5.1   | 15.4  |
| 85  | 63.7  | 32.2  | 96.6  |

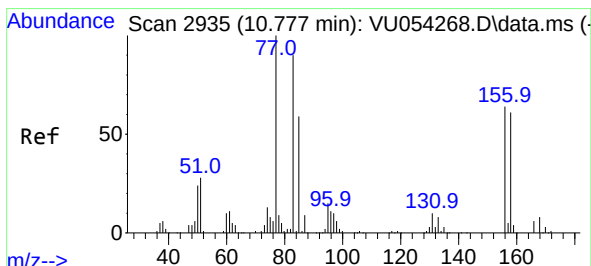
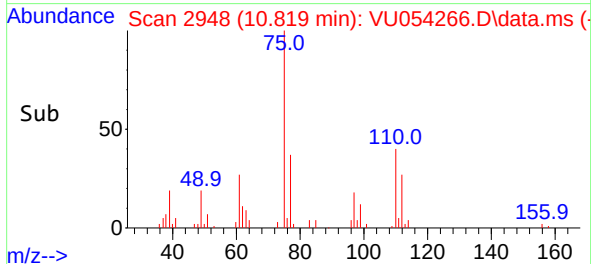
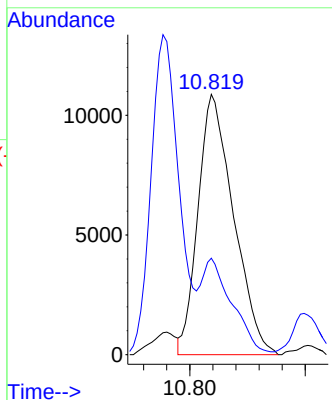
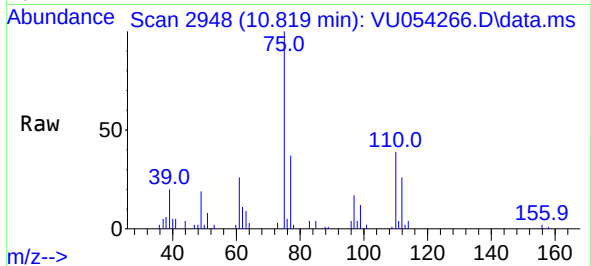




#76  
1,2,3-Trichloropropane  
Concen: 4.696 ug/l  
RT: 10.819 min Scan# 2948  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

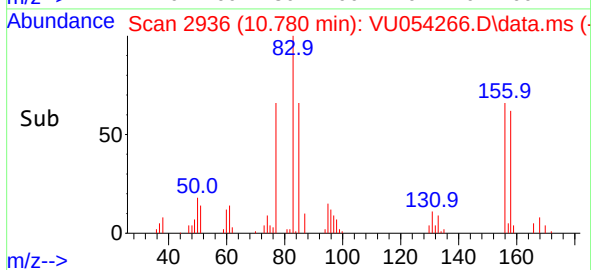
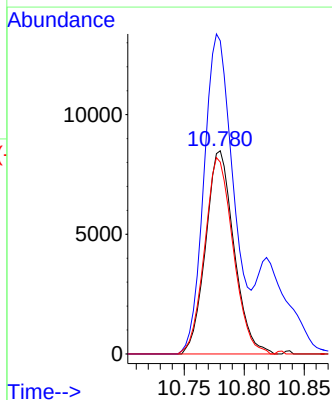
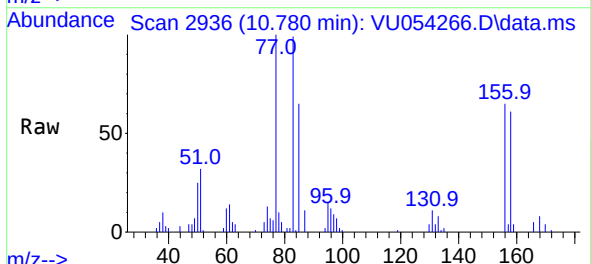
Instrument :  
MSVOA\_U  
ClientSampleId :

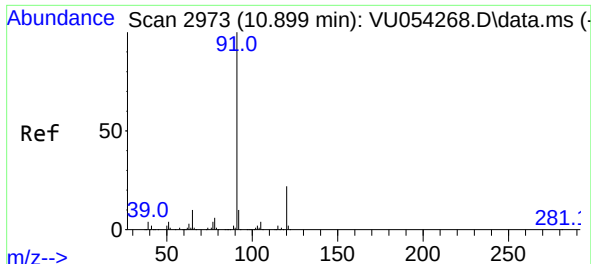
Tgt Ion: 75 Resp: 23253  
Ion Ratio Lower Upper  
75 100  
77 31.9 15.8 47.3



#77  
Bromobenzene  
Concen: 4.866 ug/l  
RT: 10.780 min Scan# 2936  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion:156 Resp: 13949  
Ion Ratio Lower Upper  
156 100  
77 163.1 71.9 215.6  
158 97.4 48.9 146.8

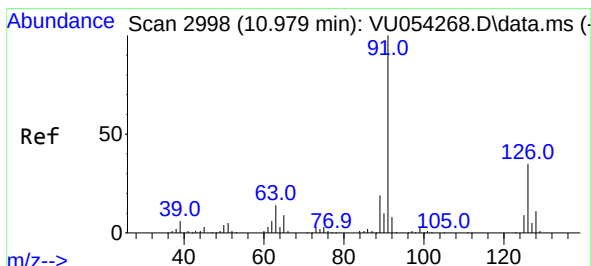
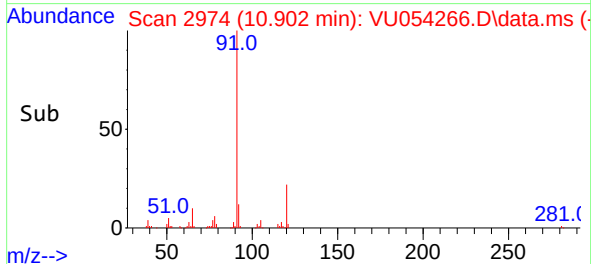
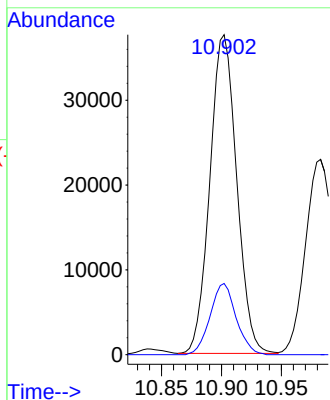
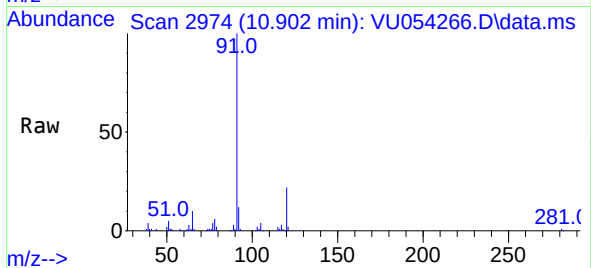




#78  
n-propylbenzene  
Concen: 4.564 ug/l  
RT: 10.902 min Scan# 2973  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

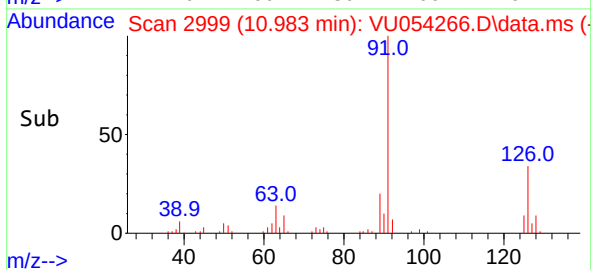
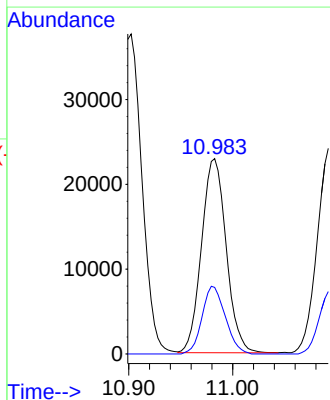
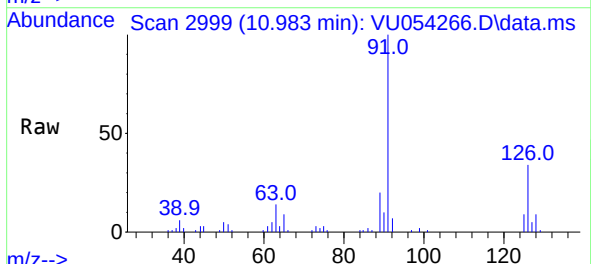
Instrument :  
MSVOA\_U  
ClientSampleId :

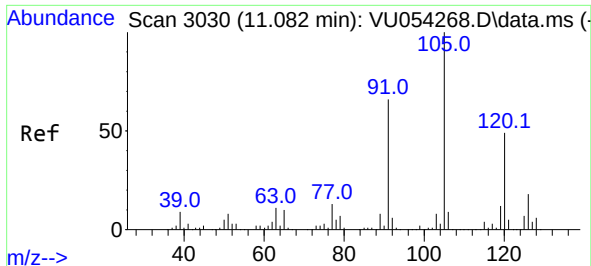
Tgt Ion: 91 Resp: 58369  
Ion Ratio Lower Upper  
91 100  
120 21.7 11.9 35.5



#79  
2-Chlorotoluene  
Concen: 4.875 ug/l  
RT: 10.983 min Scan# 2999  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

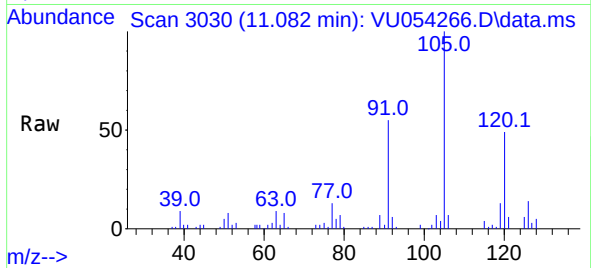
Tgt Ion: 91 Resp: 37745  
Ion Ratio Lower Upper  
91 100  
126 32.8 18.4 55.0



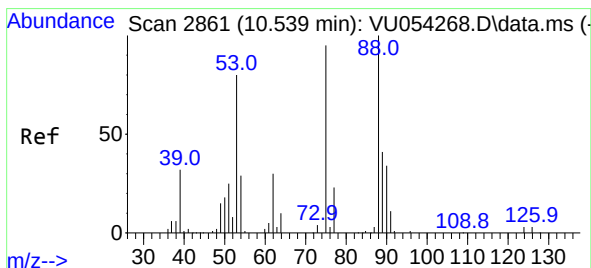
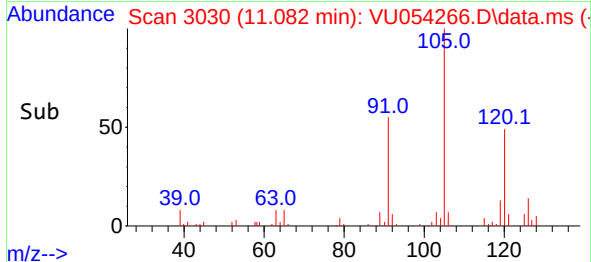
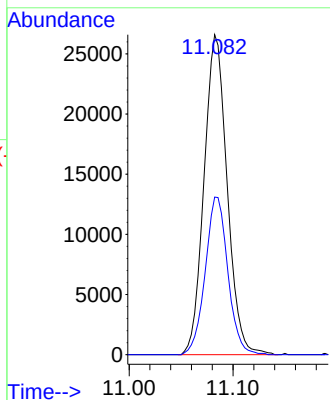


#80  
1,3,5-Trimethylbenzene  
Concen: 4.625 ug/l  
RT: 11.082 min Scan# 3030  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :

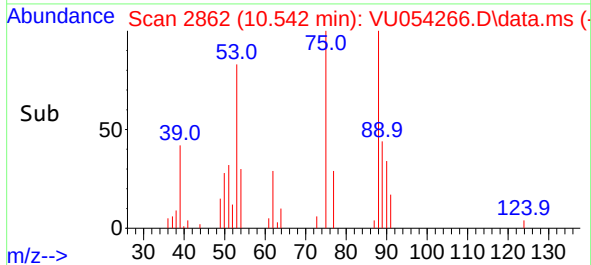
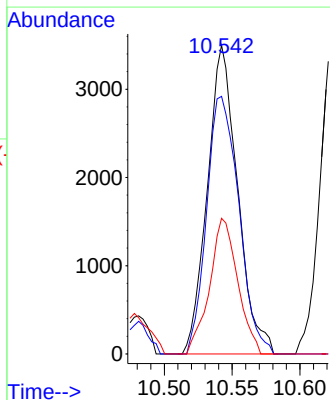
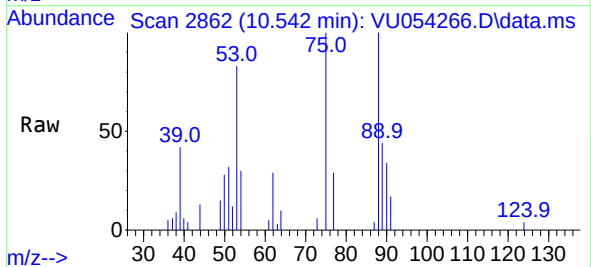


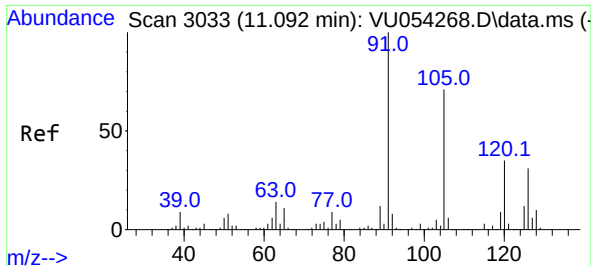
Tgt Ion:105 Resp: 41061  
Ion Ratio Lower Upper  
105 100  
120 48.3 25.3 75.9



#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.200 ug/l  
RT: 10.542 min Scan# 2862  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 75 Resp: 5426  
Ion Ratio Lower Upper  
75 100  
53 88.7 69.2 103.8  
89 40.8 37.0 55.6

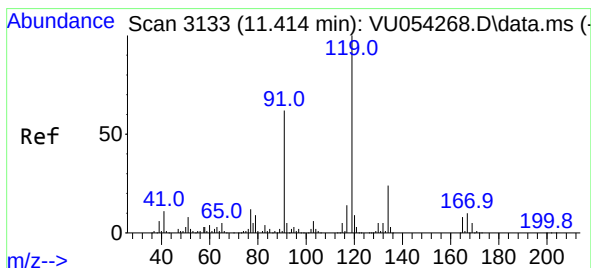
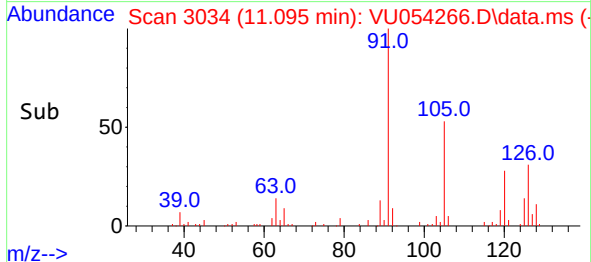
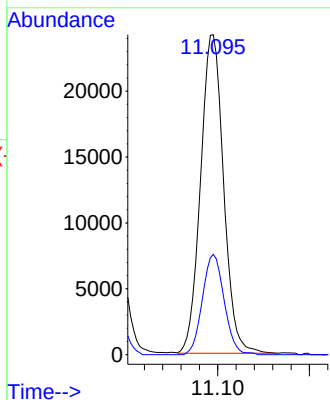
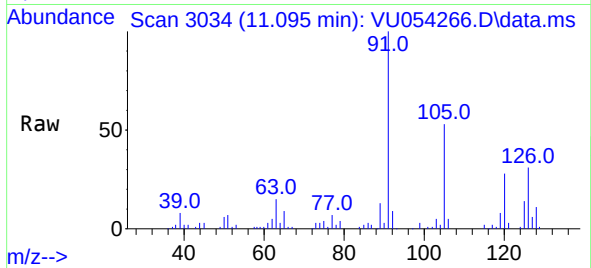




#82  
4-Chlorotoluene  
Concen: 4.635 ug/l  
RT: 11.095 min Scan# 3033  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

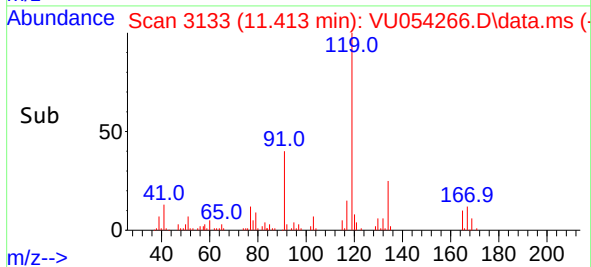
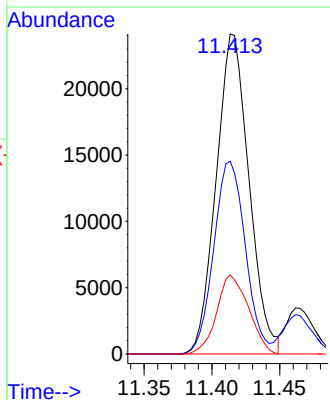
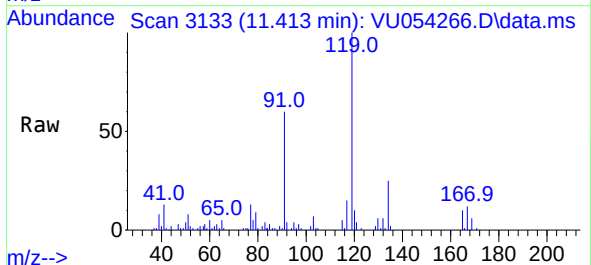
Instrument :  
MSVOA\_U  
ClientSampleId :

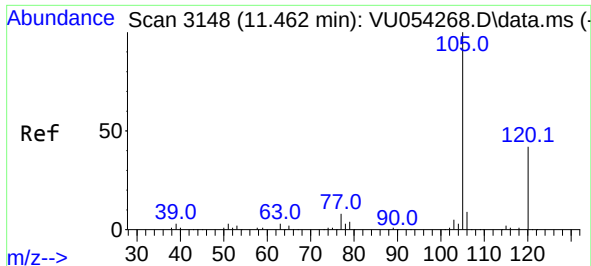
Tgt Ion: 91 Resp: 42109  
Ion Ratio Lower Upper  
91 100  
126 29.7 16.1 48.2



#83  
tert-Butylbenzene  
Concen: 4.579 ug/l  
RT: 11.413 min Scan# 3133  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion: 119 Resp: 40657  
Ion Ratio Lower Upper  
119 100  
91 57.9 26.8 80.3  
134 23.9 11.5 34.5

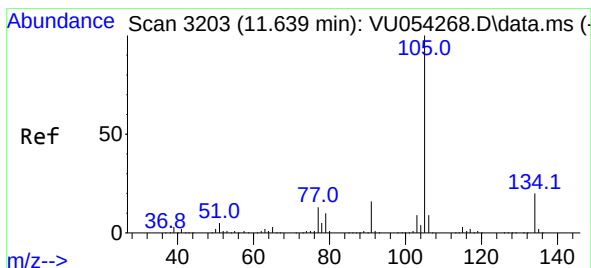
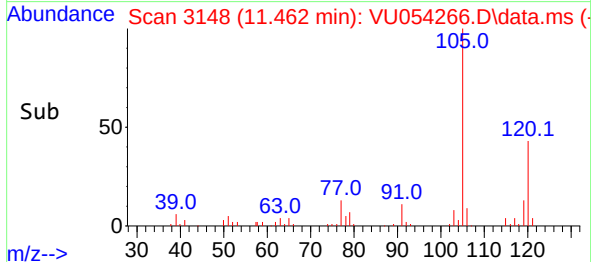
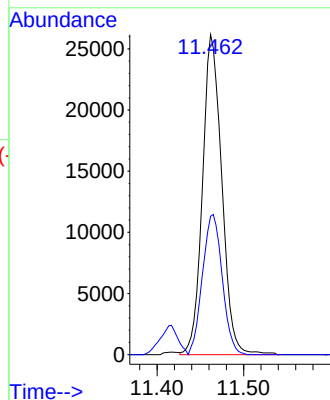
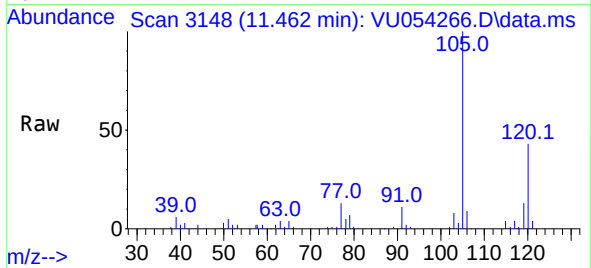




#84  
1,2,4-Trimethylbenzene  
Concen: 4.592 ug/l  
RT: 11.462 min Scan# 3148  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

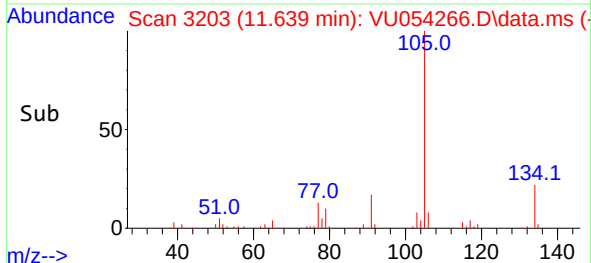
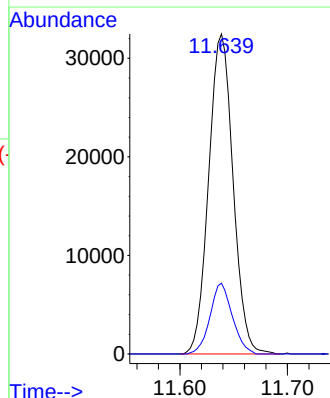
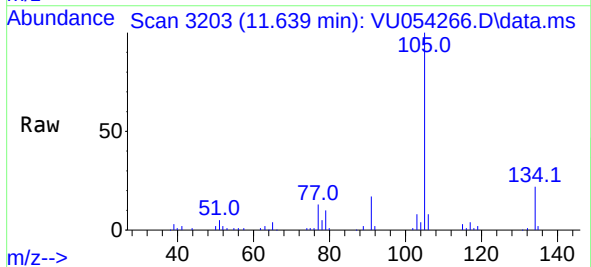
Instrument :  
MSVOA\_U  
ClientSampleId :

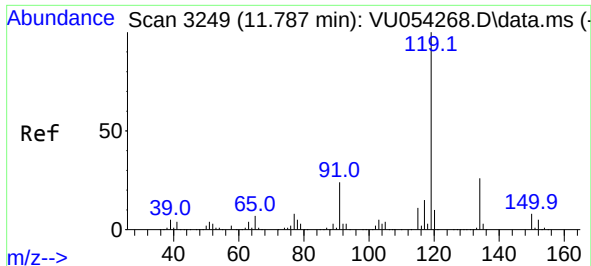
Tgt Ion:105 Resp: 40557  
Ion Ratio Lower Upper  
105 100  
120 44.7 23.4 70.3



#85  
sec-Butylbenzene  
Concen: 4.543 ug/l  
RT: 11.639 min Scan# 3203  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Tgt Ion:105 Resp: 51173  
Ion Ratio Lower Upper  
105 100  
134 20.3 10.4 31.1

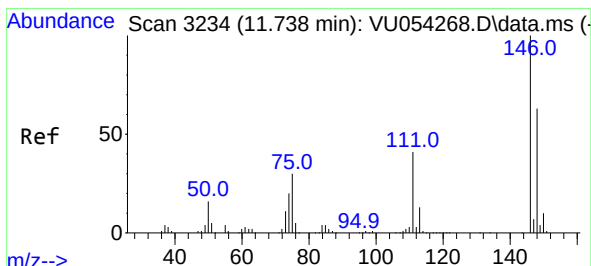
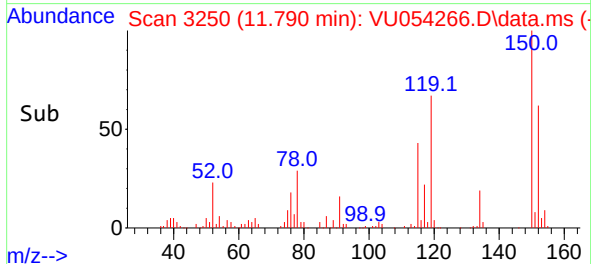
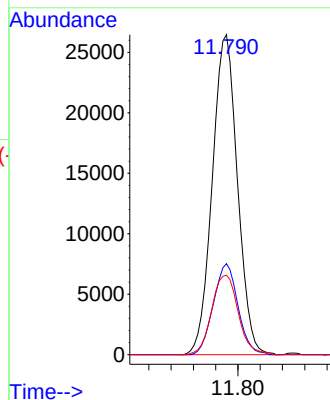
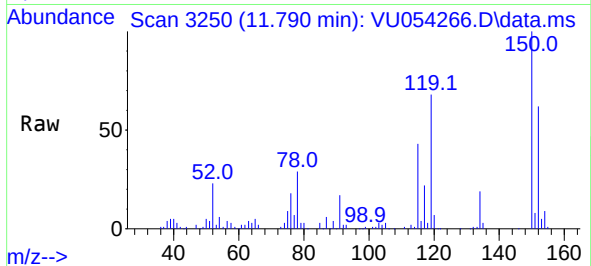




#86  
p-Isopropyltoluene  
Concen: 4.382 ug/l  
RT: 11.790 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

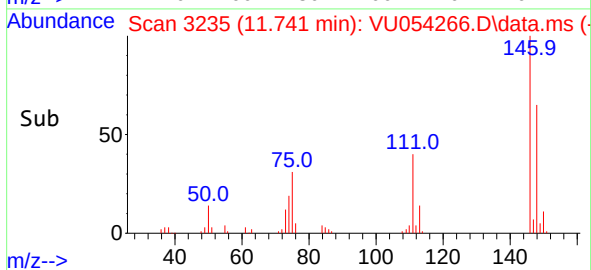
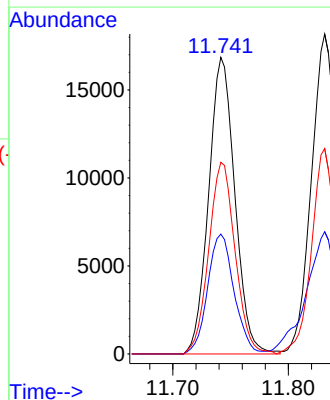
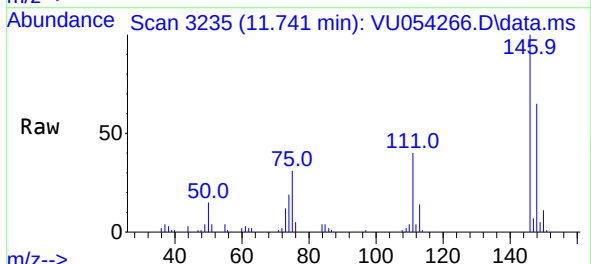
Instrument :  
MSVOA\_U  
ClientSampleId :

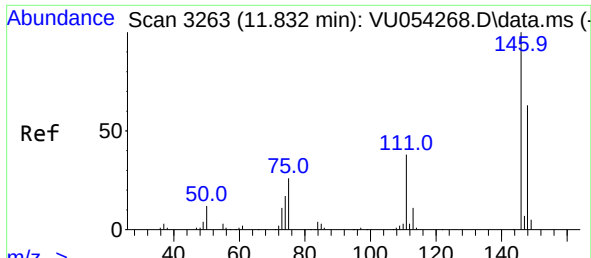
Tgt Ion:119 Resp: 41516  
Ion Ratio Lower Upper  
119 100  
134 27.8 13.5 40.4  
91 26.2 11.2 33.5



#87  
1,3-Dichlorobenzene  
Concen: 4.790 ug/l  
RT: 11.741 min Scan# 3235  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

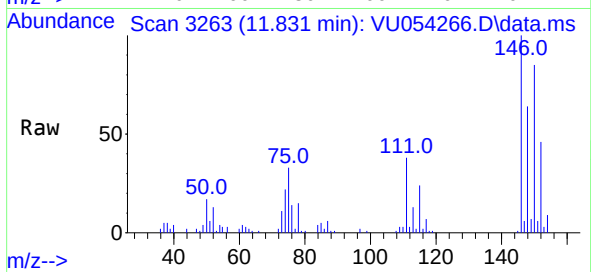
Tgt Ion:146 Resp: 26587  
Ion Ratio Lower Upper  
146 100  
111 40.8 18.9 56.5  
148 65.0 31.9 95.9



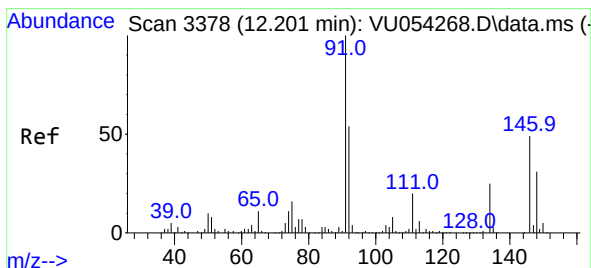
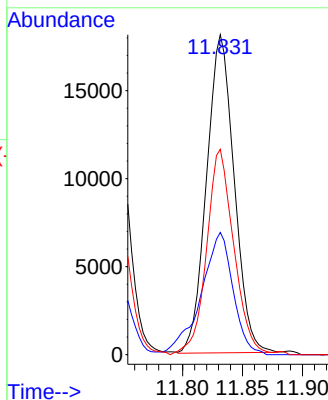
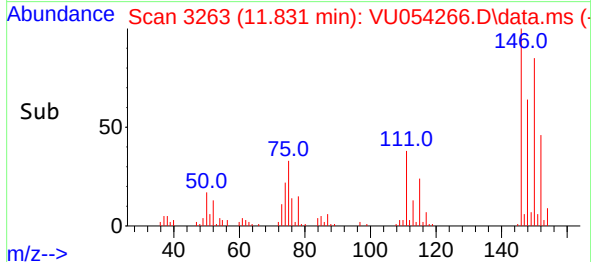


#88  
1,4-Dichlorobenzene  
Concen: 5.088 ug/l  
RT: 11.831 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

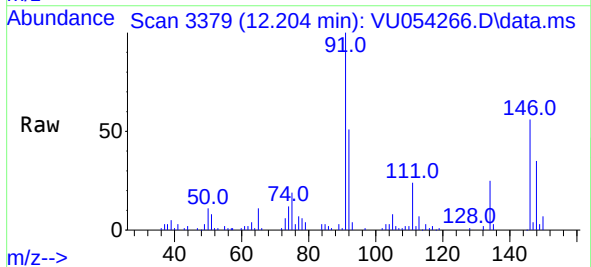
Instrument :  
MSVOA\_U  
ClientSampleId :



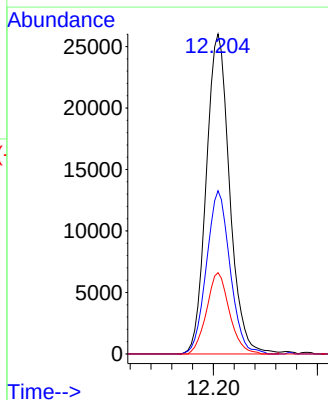
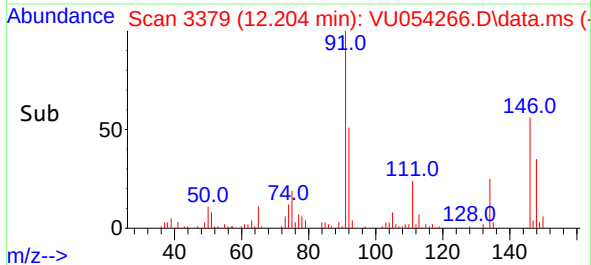
Tgt Ion:146 Resp: 28938  
Ion Ratio Lower Upper  
146 100  
111 44.6 18.5 55.5  
148 63.6 31.9 95.7



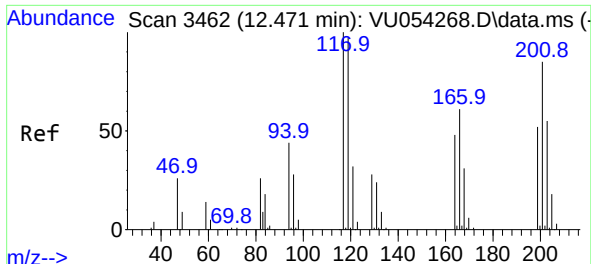
#89  
n-Butylbenzene  
Concen: 4.540 ug/l  
RT: 12.204 min Scan# 3379  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21



Tgt Ion: 91 Resp: 40495  
Ion Ratio Lower Upper  
91 100  
92 51.6 26.2 78.6  
134 24.9 13.5 40.4



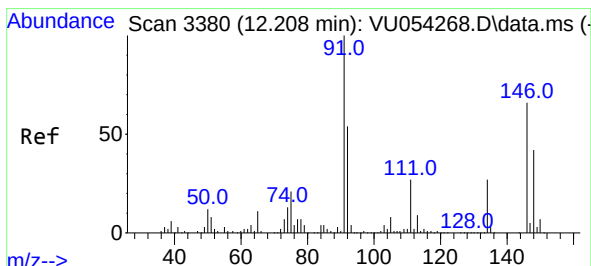
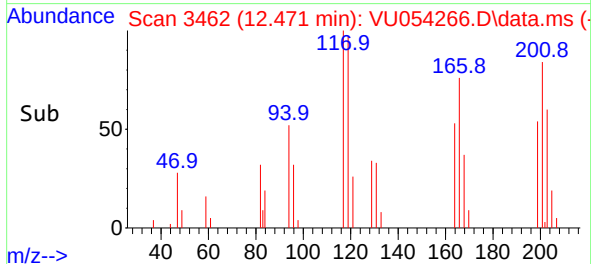
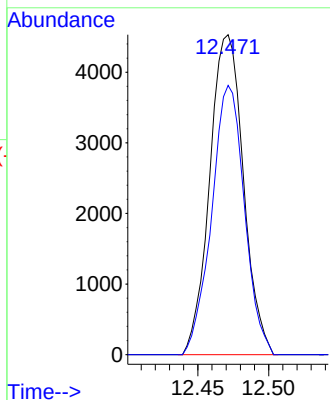
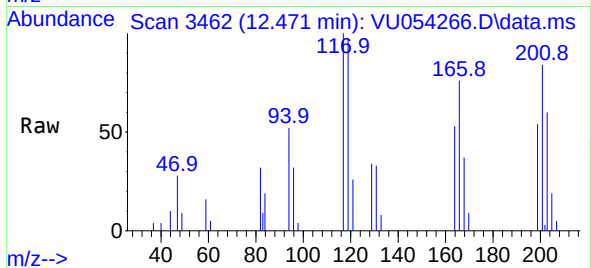




#90  
Hexachloroethane  
Concen: 4.478 ug/l  
RT: 12.471 min Scan# 3462  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

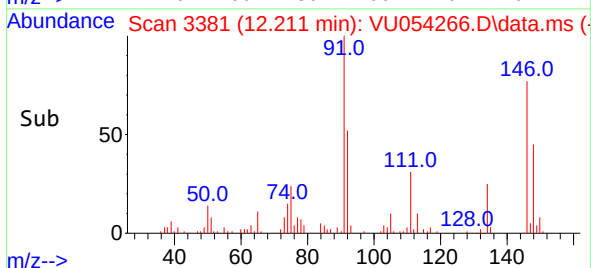
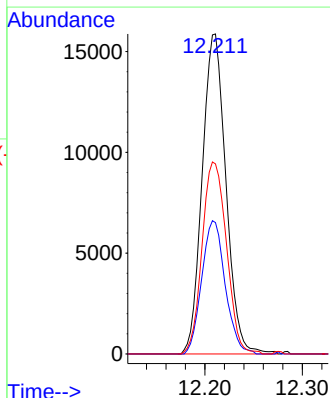
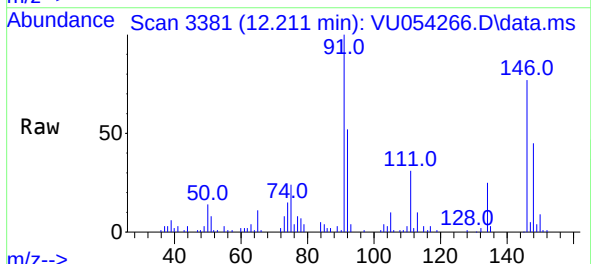
Instrument :  
MSVOA\_U  
ClientSampleId :

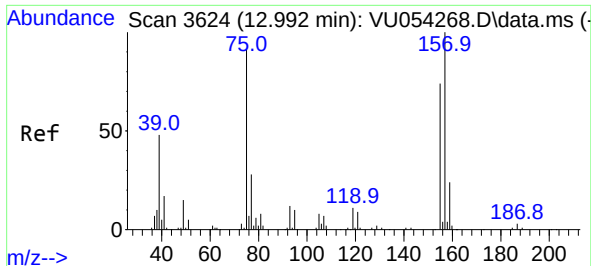
Tgt Ion:117 Resp: 7507  
Ion Ratio Lower Upper  
117 100  
201 81.8 44.6 134.0



#91  
1,2-Dichlorobenzene  
Concen: 4.919 ug/l  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

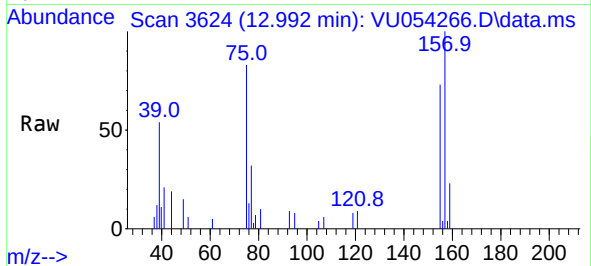
Tgt Ion:146 Resp: 26861  
Ion Ratio Lower Upper  
146 100  
111 41.2 19.9 59.6  
148 61.7 32.1 96.5



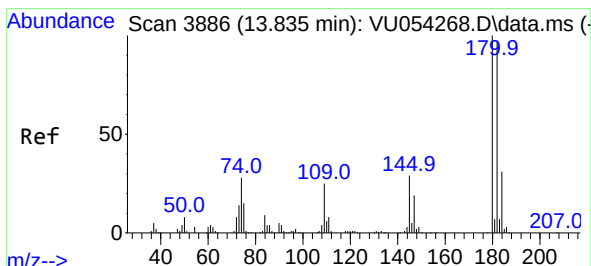
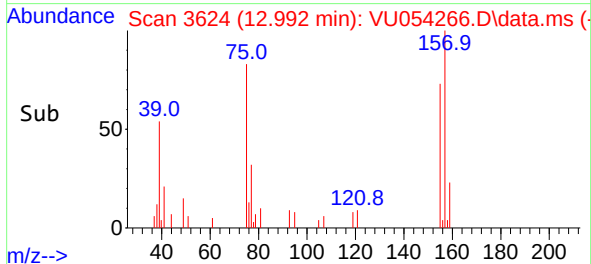
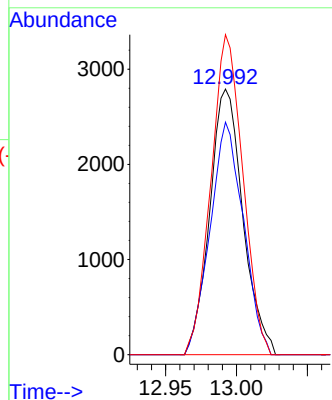


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 4.721 ug/l  
RT: 12.992 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :

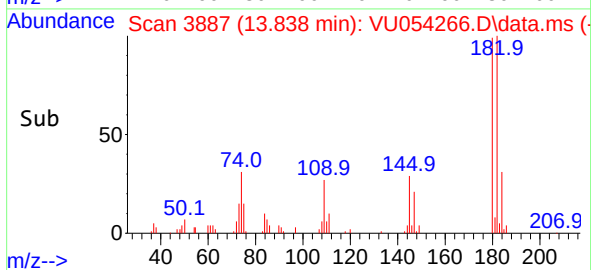
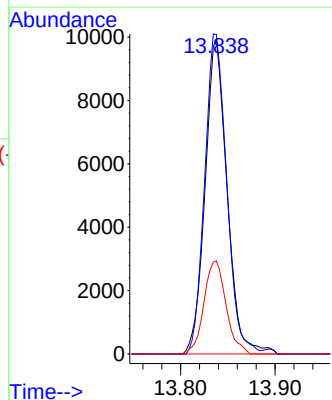
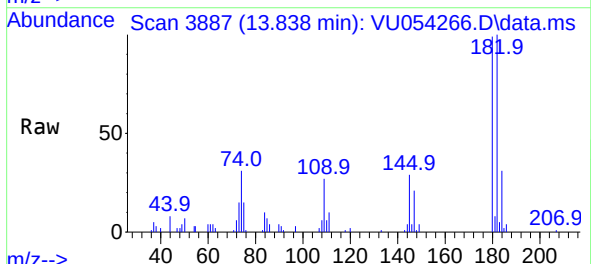


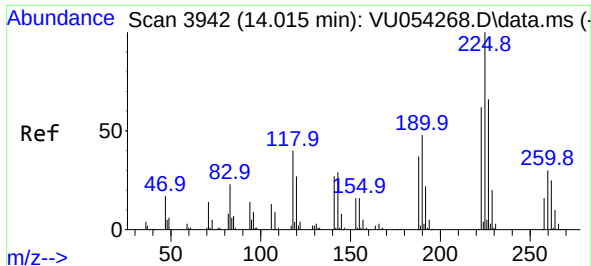
Tgt Ion: 75 Resp: 4548  
Ion Ratio Lower Upper  
75 100  
155 87.6 47.8 143.4  
157 116.0 62.2 186.5



#93  
1,2,4-Trichlorobenzene  
Concen: 5.655 ug/l  
RT: 13.838 min Scan# 3887  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

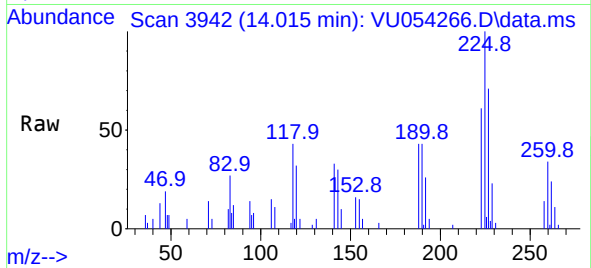
Tgt Ion:180 Resp: 16083  
Ion Ratio Lower Upper  
180 100  
182 101.6 47.9 143.6  
145 29.6 14.0 41.9



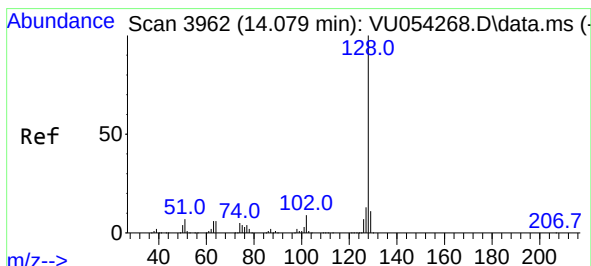
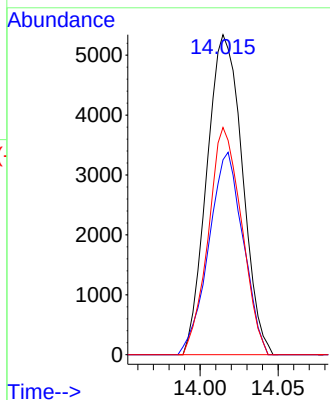
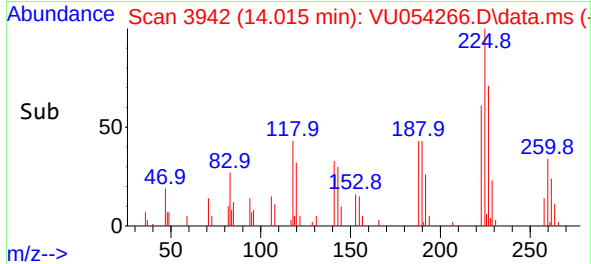


#94  
Hexachlorobutadiene  
Concen: 5.445 ug/l  
RT: 14.015 min Scan# 3942  
Delta R.T. -0.000 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21

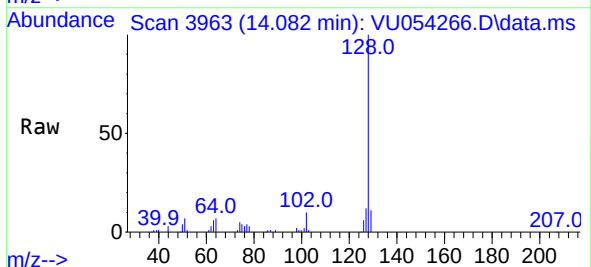
Instrument :  
MSVOA\_U  
ClientSampleId :



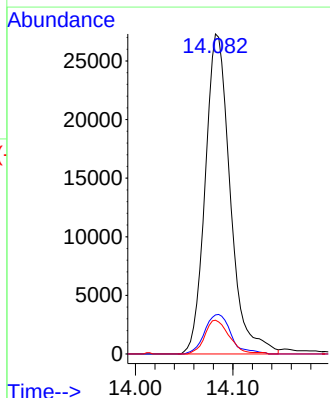
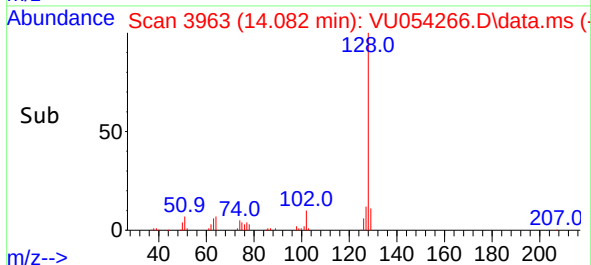
Tgt Ion:225 Resp: 8449  
Ion Ratio Lower Upper  
225 100  
223 61.3 31.3 93.9  
227 66.5 32.0 96.2

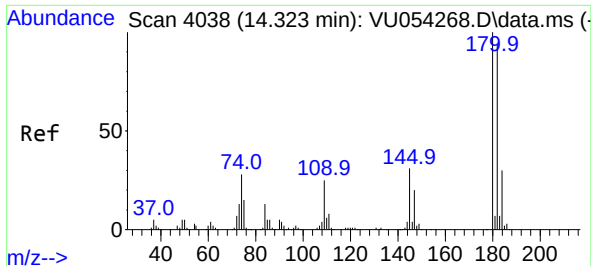


#95  
Naphthalene  
Concen: 5.766 ug/l  
RT: 14.082 min Scan# 3963  
Delta R.T. 0.003 min  
Lab File: VU054266.D  
Acq: 25 May 2023 14:21



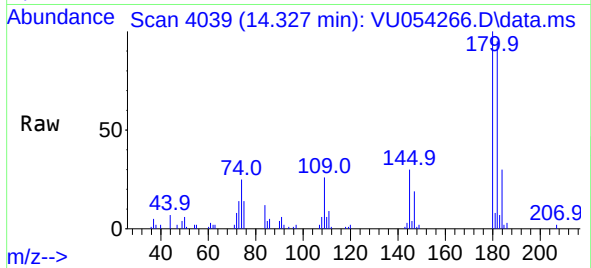
Tgt Ion:128 Resp: 48727  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.3 15.5  
129 10.4 8.6 13.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 5.477 ug/l  
 RT: 14.327 min Scan# 4038  
 Delta R.T. 0.004 min  
 Lab File: VU054266.D  
 Acq: 25 May 2023 14:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 16640 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 99.1  | 48.4  | 145.0 |
| 145       | 32.1  | 14.8  | 44.4  |

