

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041923\  
 Data File : VU053774.D  
 Acq On : 19 Apr 2023 10:19  
 Operator : JC/MD  
 Sample : VSTDICC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Apr 20 08:06:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U041923DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Apr 20 08:05:37 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.108  | 96   | 31339    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.629 | 95   | 15603    | 1.366  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 137.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.192 | 152  | 12738    | 1.069  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 107.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385  | 85   | 3593     | 0.329  | ug/l     | 89       |
| 3) Chloromethane             | 1.523  | 50   | 3543     | 0.323  | ug/l     | 98       |
| 4) Vinyl Chloride            | 1.604  | 62   | 4103     | 0.350  | ug/l     | 96       |
| 5) Bromomethane              | 1.858  | 94   | 3640     | 0.368  | ug/l     | 88       |
| 6) Chloroethane              | 1.935  | 64   | 2885     | 0.381  | ug/l     | 96       |
| 7) Trichlorofluoromethane    | 2.141  | 101  | 6601     | 0.368  | ug/l     | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.584  | 101  | 4511     | 0.479  | ug/l     | 98       |
| 9) 1,1-Dichloroethene        | 2.581  | 96   | 3938     | 0.470  | ug/l     | 79       |
| 10) Iodomethane              | 2.719  | 142  | 2081     | 0.243  | ug/l     | 100      |
| 11) Allyl Chloride           | 2.922  | 41   | 4894     | 0.522  | ug/l     | 88       |
| 12) Acrylonitrile            | 3.314  | 53   | 1940     | 1.144  | ug/l     | 97       |
| 13) Acetone                  | 2.620  | 43   | 6367     | 1.963  | ug/l     | # 87     |
| 14) Carbon Disulfide         | 2.793  | 76   | 5431     | 0.232  | ug/l     | # 89     |
| 15) Methylene Chloride       | 3.041  | 84   | 9513     | 0.483  | ug/l     | 91       |
| 16) trans-1,2-Dichloroethene | 3.350  | 96   | 3982     | 0.460  | ug/l     | 88       |
| 17) 1,1-Dichloroethane       | 3.867  | 63   | 8223     | 0.511  | ug/l     | 94       |
| 18) 2-Butanone               | 4.716  | 43   | 7931     | 2.354  | ug/l     | 96       |
| 19) Cyclohexane              | 5.375  | 56   | 4826     | 0.382  | ug/l     | 85       |
| 20) Methylcyclohexane        | 6.751  | 83   | 4690     | 0.307  | ug/l     | 93       |
| 21) 2,2-Dichloropropane      | 4.658  | 77   | 8503     | 0.610  | ug/l     | # 90     |
| 22) cis-1,2-Dichloroethene   | 4.668  | 96   | 5170     | 0.540  | ug/l     | 99       |
| 23) Diethyl Ether            | 2.375  | 59   | 2544     | 0.387  | ug/l     | 85       |
| 24) tert-Butyl Alcohol       | 3.182  | 59   | 14238    | 21.731 | ug/l     | # 1      |
| 25) Methyl tert-Butyl Ether  | 3.366  | 73   | 10015    | 0.522  | ug/l     | 96       |
| 26) Bromochloromethane       | 4.967  | 128  | 2093     | 0.529  | ug/l     | 89       |
| 27) Chloroform               | 5.083  | 83   | 8767     | 0.520  | ug/l     | 99       |
| 28) 1,1,1-Trichloroethane    | 5.311  | 97   | 7012     | 0.486  | ug/l     | 98       |
| 29) 1,1-Dichloropropene      | 5.517  | 75   | 4517     | 0.383  | ug/l     | 97       |
| 30) Carbon Tetrachloride     | 5.513  | 117  | 5080     | 0.455  | ug/l     | 94       |
| 31) Isopropyl Ether          | 3.993  | 45   | 10426    | 0.467  | ug/l     | 99       |
| 32) Ethyl-t-butyl ether      | 4.510  | 59   | 11438    | 0.499  | ug/l     | 100      |
| 33) Tert-Amyl methyl ether   | 5.947  | 73   | 7773     | 0.395  | ug/l     | # 97     |
| 34) Propionitrile            | 4.777  | 54   | 1733     | 3.064  | ug/l     | # 11     |
| 35) Benzene                  | 5.767  | 78   | 13808    | 0.396  | ug/l     | 96       |
| 36) 1,2-Dichloroethane       | 5.790  | 62   | 4182     | 0.410  | ug/l     | # 94     |
| 37) Trichloroethene          | 6.539  | 130  | 3945     | 0.441  | ug/l     | 88       |
| 38) 1,2-Dichloropropane      | 6.790  | 63   | 3566     | 0.392  | ug/l     | # 85     |
| 39) Methacrylonitrile        | 4.980  | 41   | 1240     | 0.529  | ug/l     | # 56     |
| 40) Methyl acrylate          | 4.845  | 55   | 1386     | 0.324  | ug/l     | # 68     |
| 41) Tetrahydrofuran          | 5.066  | 42   | 1425     | 1.189  | ug/l     | 95       |
| 42) 1-Chlorobutane           | 5.446  | 56   | 6453     | 0.409  | ug/l     | 94       |
| 43) Dibromomethane           | 6.918  | 93   | 1821     | 0.417  | ug/l     | 94       |
| 44) Bromodichloromethane     | 7.105  | 83   | 4866     | 0.445  | ug/l     | 85       |

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 Sample : VSTDICC0.5  
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 ALS Vial : 2 Sample Multiplier: 1

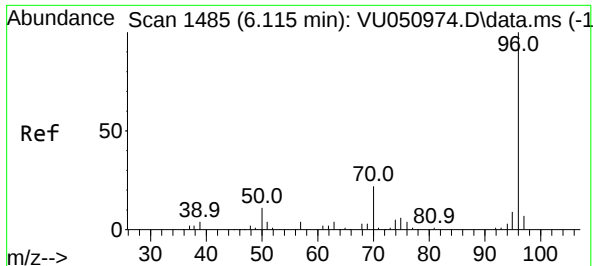
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 MSVOA\_U  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Apr 20 08:06:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U041923DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Apr 20 08:05:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.800  | 43   | 9008     | 1.974 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.822 | 75   | 4273     | 1.732 | ug/l # | 39       |
| 47) Methyl methacrylate       | 6.967  | 69   | 3085     | 0.767 | ug/l   | 93       |
| 48) Ethyl methacrylate        | 8.336  | 69   | 3050     | 0.392 | ug/l   | 84       |
| 49) Toluene                   | 7.967  | 92   | 8327     | 0.387 | ug/l   | 94       |
| 50) t-1,3-Dichloropropene     | 8.211  | 75   | 4129     | 0.409 | ug/l   | 94       |
| 51) cis-1,3-Dichloropropene   | 7.610  | 75   | 5067     | 0.408 | ug/l   | 96       |
| 52) 1,1,2-Trichloroethane     | 8.401  | 97   | 2964     | 0.458 | ug/l   | 91       |
| 53) 1,3-Dichloropropane       | 8.574  | 76   | 4304     | 0.393 | ug/l   | 96       |
| 54) 2-Hexanone                | 8.690  | 43   | 8102     | 1.685 | ug/l   | 98       |
| 55) Dibromochloromethane      | 8.809  | 129  | 3253     | 0.491 | ug/l   | 87       |
| 56) 1,2-Dibromoethane         | 8.928  | 107  | 2506     | 0.423 | ug/l   | 82       |
| 58) Tetrachloroethene         | 8.549  | 164  | 3932     | 0.469 | ug/l   | 92       |
| 59) Chlorobenzene             | 9.446  | 112  | 10320    | 0.426 | ug/l   | 89       |
| 60) 1,1,1,2-Tetrachloroethane | 9.533  | 131  | 3647     | 0.480 | ug/l   | 97       |
| 61) Pentachloroethane         | 11.423 | 117  | 2527     | 0.459 | ug/l   | 99       |
| 62) Hexachloroethane          | 12.475 | 117  | 2353     | 0.391 | ug/l   | 94       |
| 63) Ethyl Benzene             | 9.568  | 91   | 15488    | 0.370 | ug/l   | 100      |
| 64) m/p-Xylenes               | 9.690  | 106  | 11580    | 0.719 | ug/l   | 96       |
| 65) o-Xylene                  | 10.098 | 106  | 5934     | 0.374 | ug/l   | 98       |
| 66) Styrene                   | 10.115 | 104  | 9362     | 0.382 | ug/l   | 95       |
| 67) Bromoform                 | 10.291 | 173  | 1387     | 0.434 | ug/l # | 96       |
| 69) Isopropylbenzene          | 10.481 | 105  | 15459    | 0.373 | ug/l   | 93       |
| 70) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 3649     | 0.463 | ug/l   | 93       |
| 71) 1,2,3-Trichloropropane    | 10.822 | 75   | 4273     | 0.713 | ug/l   | 54       |
| 72) Bromobenzene              | 10.780 | 156  | 3903     | 0.432 | ug/l   | 94       |
| 73) n-propylbenzene           | 10.905 | 120  | 4147     | 0.373 | ug/l   | 87       |
| 74) 2-Chlorotoluene           | 10.986 | 126  | 3875     | 0.399 | ug/l   | 99       |
| 75) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 12273    | 0.349 | ug/l   | 98       |
| 76) 4-Chlorotoluene           | 11.095 | 126  | 3887     | 0.382 | ug/l   | 97       |
| 77) tert-Butylbenzene         | 11.417 | 119  | 12929    | 0.389 | ug/l   | 96       |
| 78) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 11932    | 0.331 | ug/l   | 96       |
| 79) sec-Butylbenzene          | 11.639 | 105  | 17169    | 0.364 | ug/l   | 99       |
| 80) Nitrobenzene              | 13.211 | 77   | 586      | 2.782 | ug/l # | 44       |
| 81) p-Isopropyltoluene        | 11.790 | 119  | 13393    | 0.357 | ug/l   | 95       |
| 82) 1,3-Dichlorobenzene       | 11.745 | 146  | 9098     | 0.472 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.835 | 146  | 8753     | 0.446 | ug/l   | 92       |
| 84) n-Butylbenzene            | 12.204 | 91   | 12135    | 0.333 | ug/l   | 96       |
| 85) 1,2-Dichlorobenzene       | 12.211 | 146  | 8506     | 0.459 | ug/l   | 97       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 417      | 0.346 | ug/l # | 85       |
| 87) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 5085     | 0.461 | ug/l   | 99       |
| 88) Hexachlorobutadiene       | 14.018 | 225  | 3035     | 0.554 | ug/l   | 92       |
| 89) Naphthalene               | 14.089 | 128  | 8353     | 0.382 | ug/l   | 96       |
| 90) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 4343     | 0.443 | ug/l   | 93       |

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

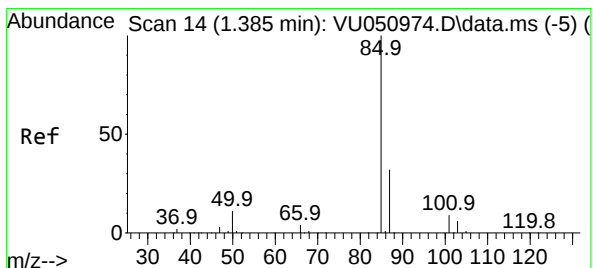
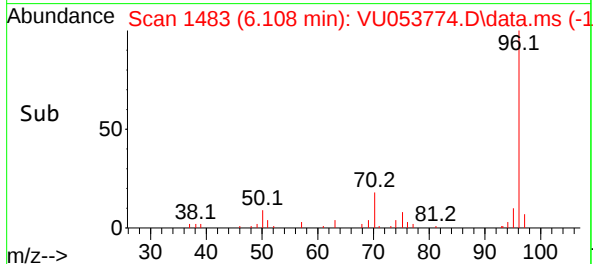
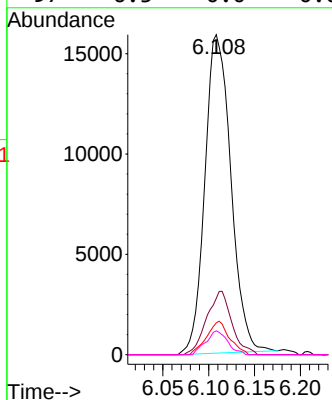
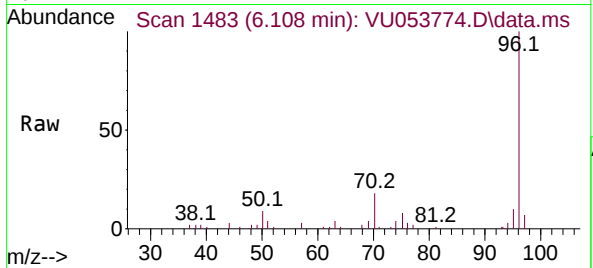




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.108 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

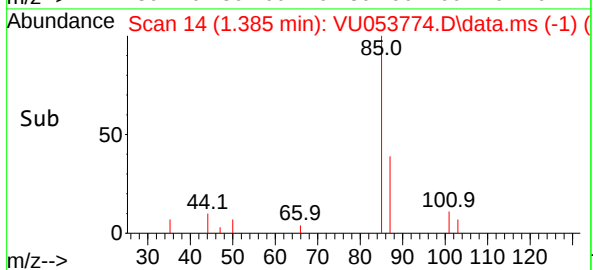
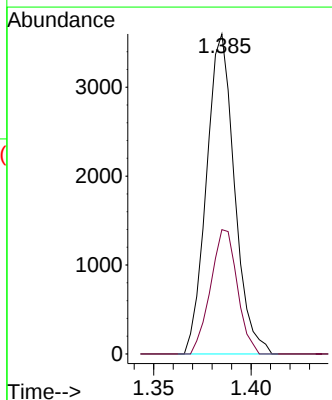
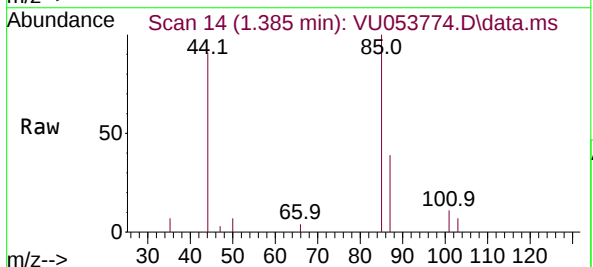
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

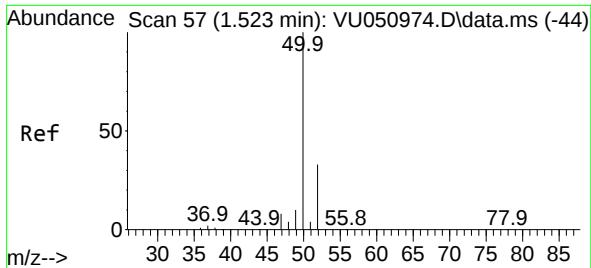
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 31339 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 19.2     | 16.5 24.7   |
| 95 9.2      | 7.4 11.0    |
| 97 6.3      | 0.0 0.0     |



#2  
Dichlorodifluoromethane  
Concen: 0.329 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

|             |             |
|-------------|-------------|
| Tgt Ion: 85 | Resp: 3593  |
| Ion Ratio   | Lower Upper |
| 85 100      |             |
| 87 38.8     | 16.2 48.6   |

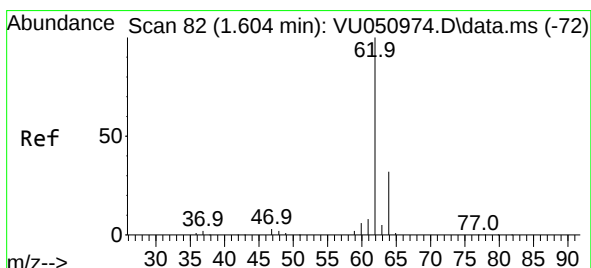
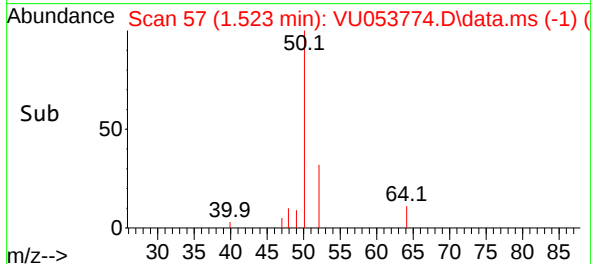
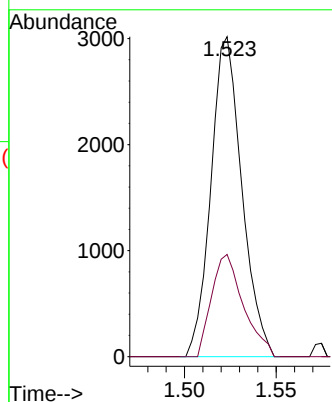
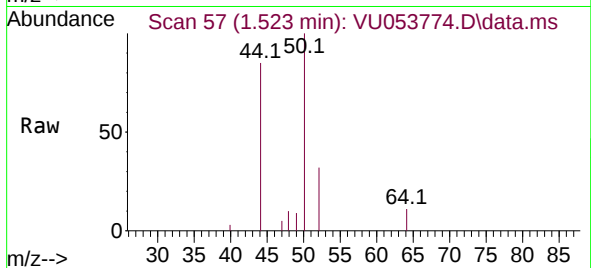




#3  
Chloromethane  
Concen: 0.323 ug/l  
RT: 1.523 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

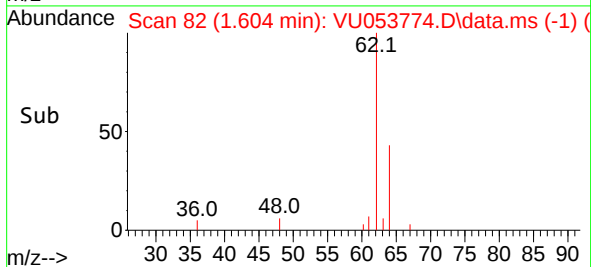
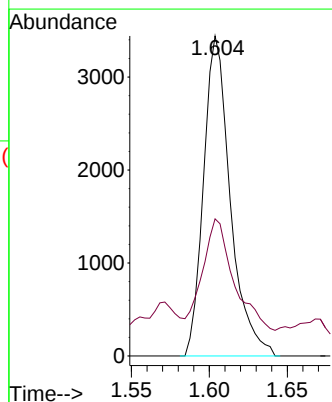
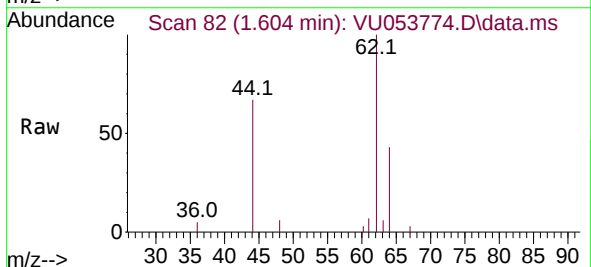
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

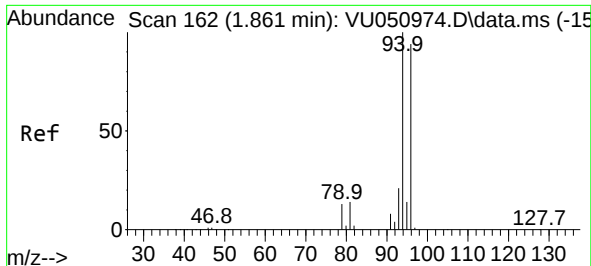
Tgt Ion: 50 Resp: 3543  
Ion Ratio Lower Upper  
50 100  
52 31.9 26.6 40.0



#4  
Vinyl Chloride  
Concen: 0.350 ug/l  
RT: 1.604 min Scan# 82  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion: 62 Resp: 4103  
Ion Ratio Lower Upper  
62 100  
64 34.0 25.4 38.2

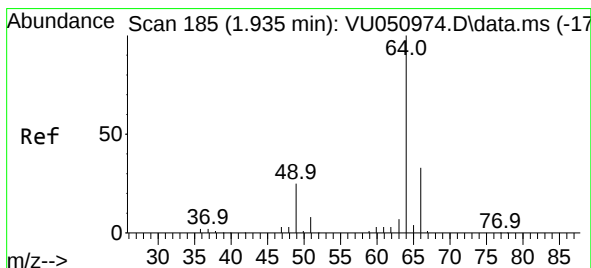
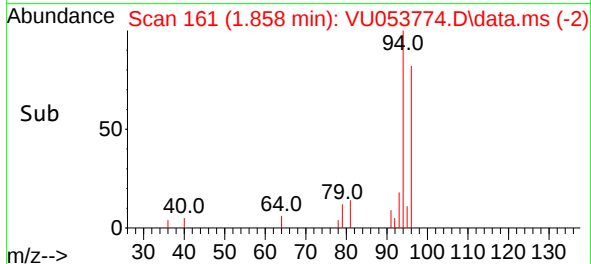
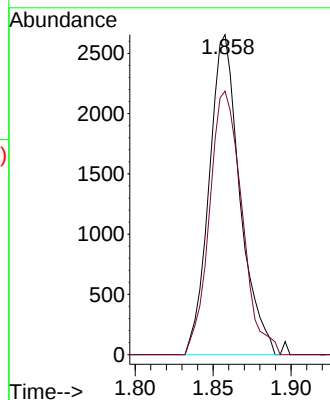
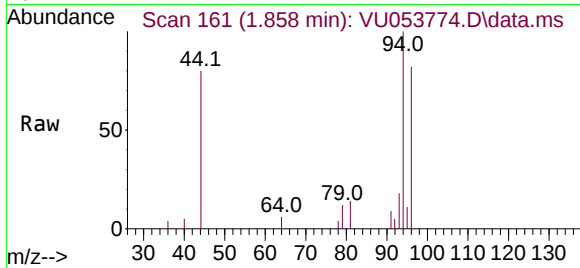




#5  
Bromomethane  
Concen: 0.368 ug/l  
RT: 1.858 min Scan# 1  
Delta R.T. 0.013 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

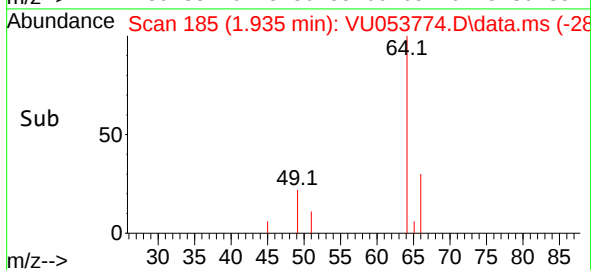
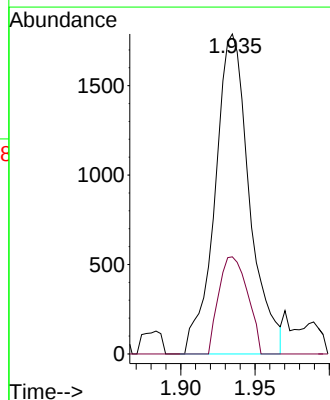
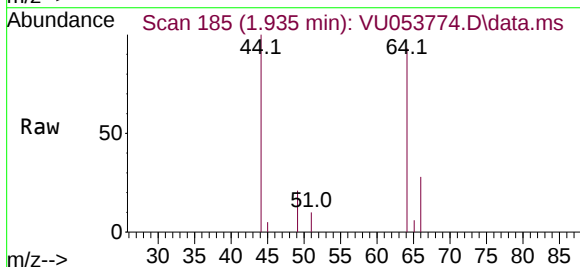
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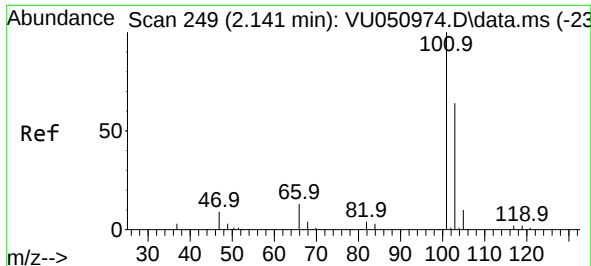
Tgt Ion: 94 Resp: 3640  
Ion Ratio Lower Upper  
94 100  
96 82.4 75.4 113.2



#6  
Chloroethane  
Concen: 0.381 ug/l  
RT: 1.935 min Scan# 185  
Delta R.T. 0.006 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion: 64 Resp: 2885  
Ion Ratio Lower Upper  
64 100  
66 30.4 26.0 39.0

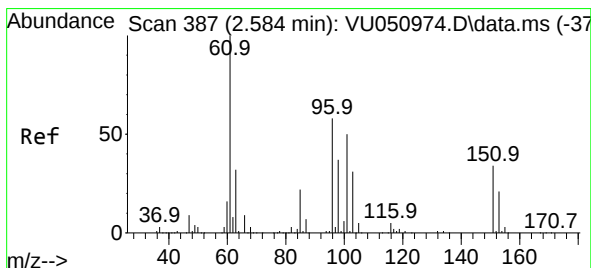
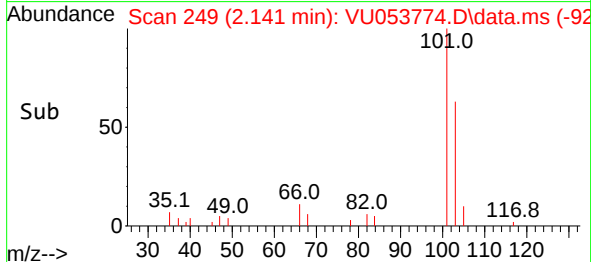
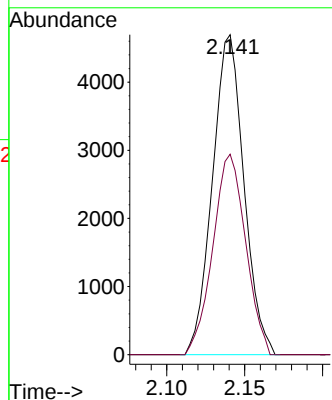
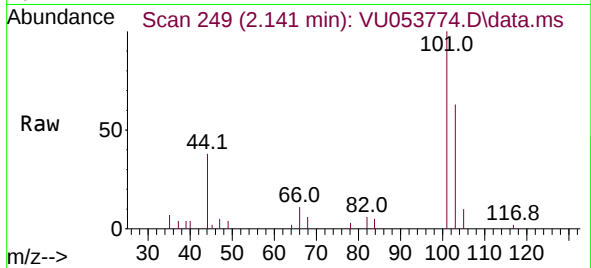




#7  
 Trichlorofluoromethane  
 Concen: 0.368 ug/l  
 RT: 2.141 min Scan# 249  
 Delta R.T. 0.006 min  
 Lab File: VU053774.D  
 Acq: 19 Apr 2023 10:19

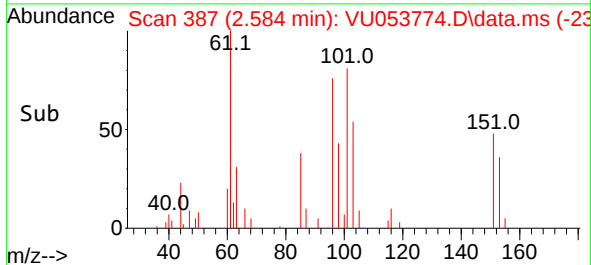
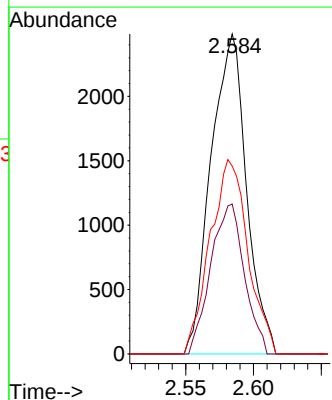
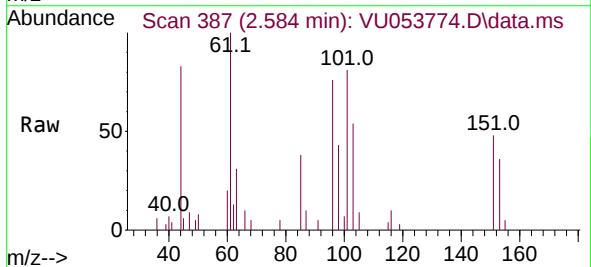
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

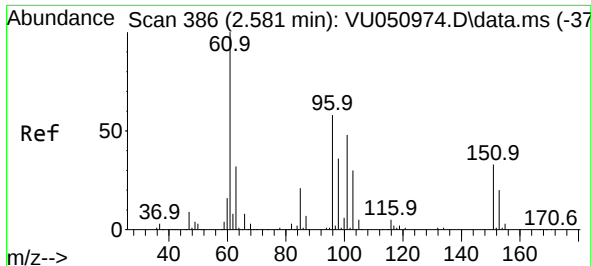
Tgt Ion:101 Resp: 6601  
 Ion Ratio Lower Upper  
 101 100  
 103 62.6 51.4 77.0



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.479 ug/l  
 RT: 2.584 min Scan# 387  
 Delta R.T. 0.006 min  
 Lab File: VU053774.D  
 Acq: 19 Apr 2023 10:19

Tgt Ion:101 Resp: 4511  
 Ion Ratio Lower Upper  
 101 100  
 85 44.5 35.4 53.0  
 151 64.9 54.0 81.0

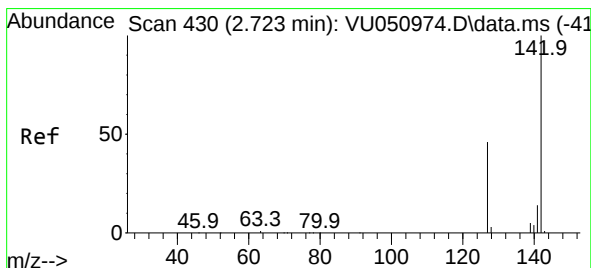
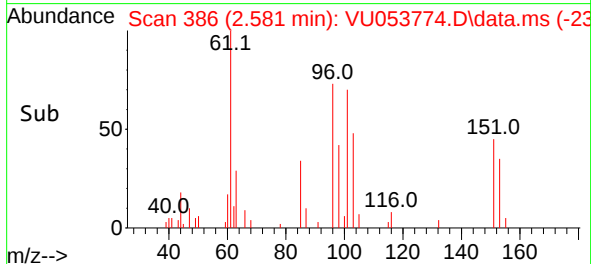
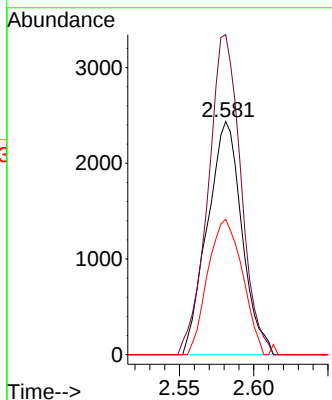
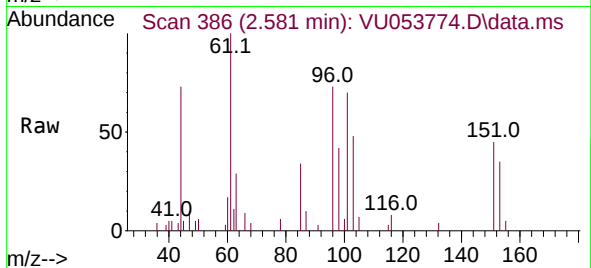




#9  
1,1-Dichloroethene  
Concen: 0.470 ug/l  
RT: 2.581 min Scan# 386  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

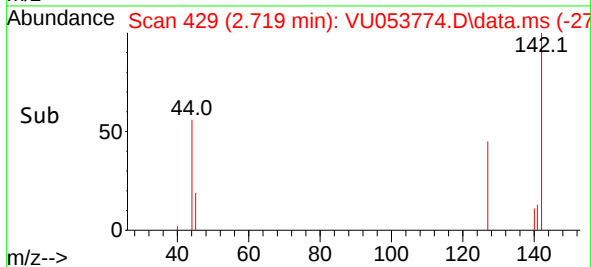
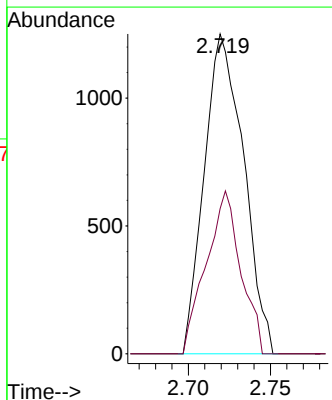
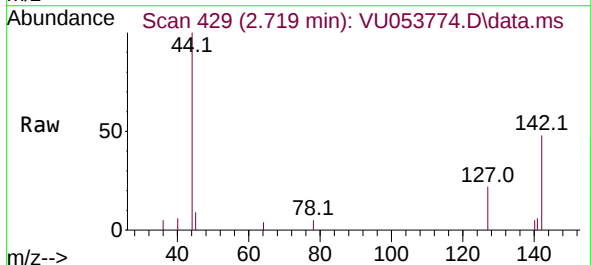
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

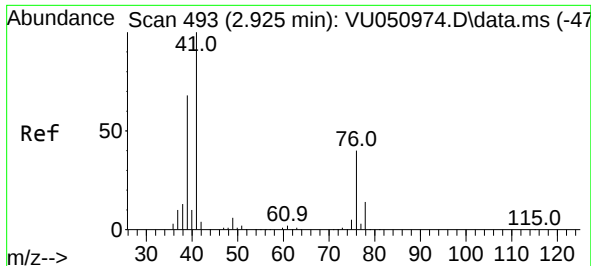
Tgt Ion: 96 Resp: 3938  
Ion Ratio Lower Upper  
96 100  
61 137.2 0.0 521.4  
98 58.1 0.0 125.8



#10  
Iodomethane  
Concen: 0.243 ug/l  
RT: 2.719 min Scan# 429  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion: 142 Resp: 2081  
Ion Ratio Lower Upper  
142 100  
127 44.8 35.9 53.9





#11

Allyl Chloride

Concen: 0.522 ug/l

RT: 2.922 min Scan# 493

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

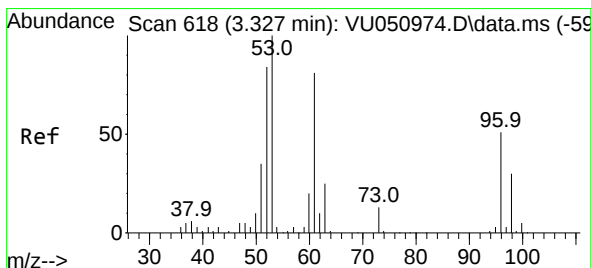
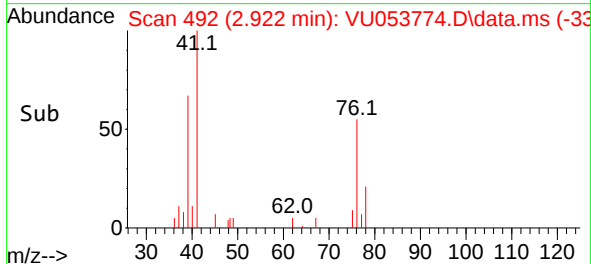
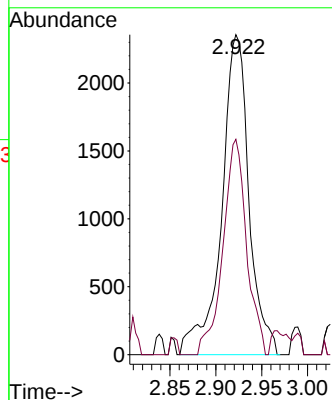
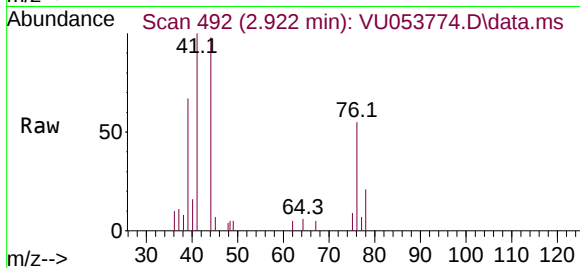
VSTDICC0.5

Tgt Ion: 41 Resp: 4894

Ion Ratio Lower Upper

41 100

39 58.0 54.2 81.2



#12

Acrylonitrile

Concen: 1.144 ug/l

RT: 3.314 min Scan# 614

Delta R.T. 0.006 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

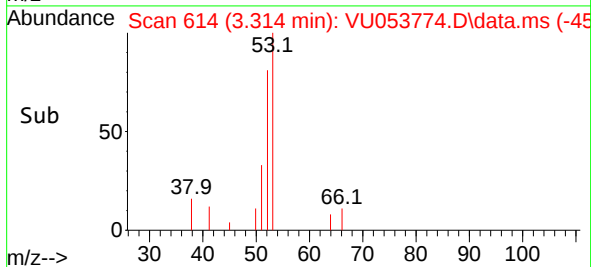
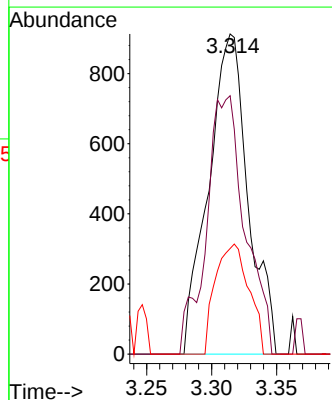
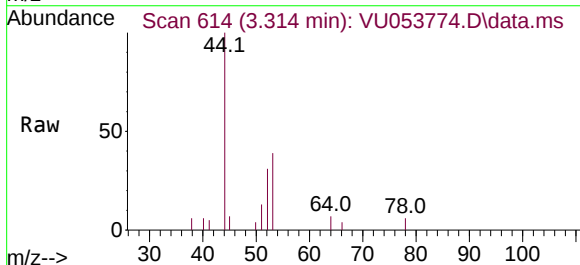
Tgt Ion: 53 Resp: 1940

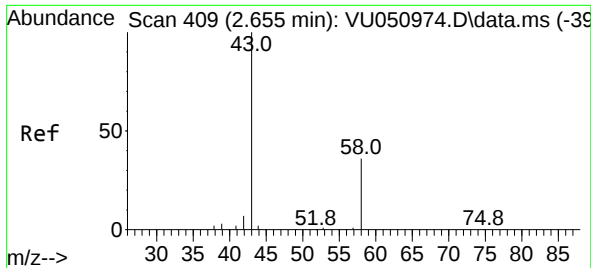
Ion Ratio Lower Upper

53 100

52 78.9 62.9 94.3

51 28.9 27.8 41.6





#13

Acetone

Concen: 1.963 ug/l

RT: 2.620 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

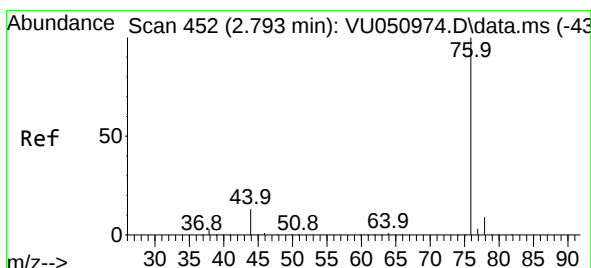
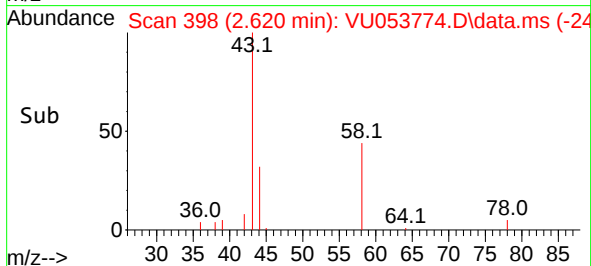
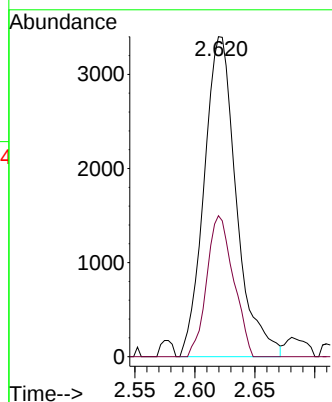
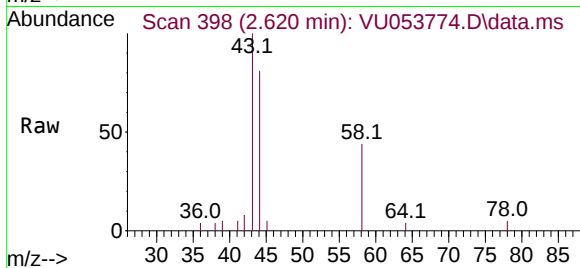
VSTDICC0.5

Tgt Ion: 43 Resp: 6367

Ion Ratio Lower Upper

43 100

58 44.0 29.0 43.4#



#14

Carbon Disulfide

Concen: 0.232 ug/l

RT: 2.793 min Scan# 452

Delta R.T. 0.006 min

Lab File: VU053774.D

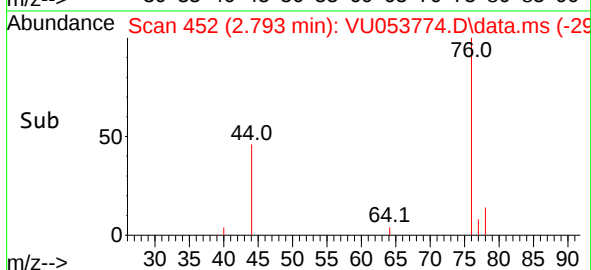
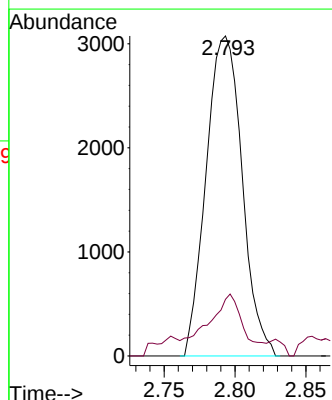
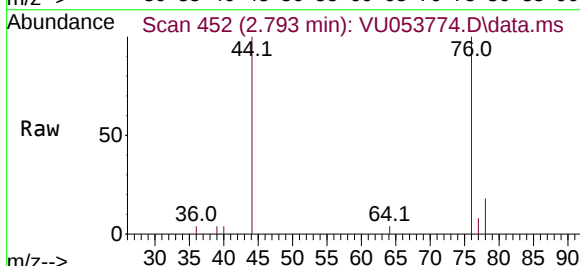
Acq: 19 Apr 2023 10:19

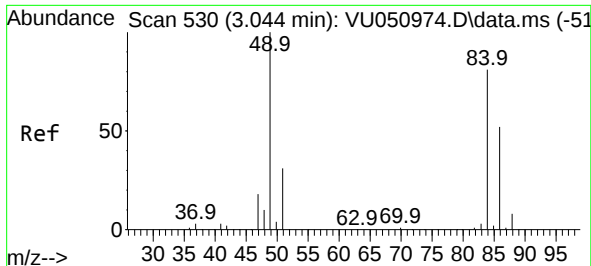
Tgt Ion: 76 Resp: 5431

Ion Ratio Lower Upper

76 100

78 13.3 7.4 11.0#

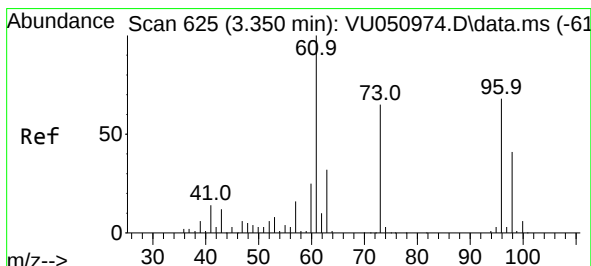
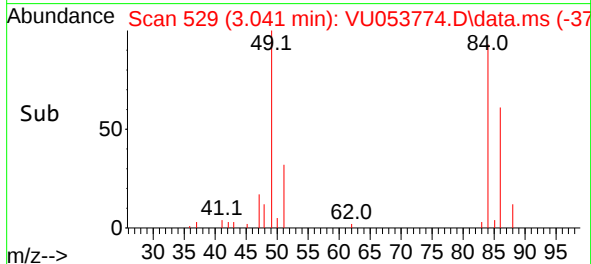
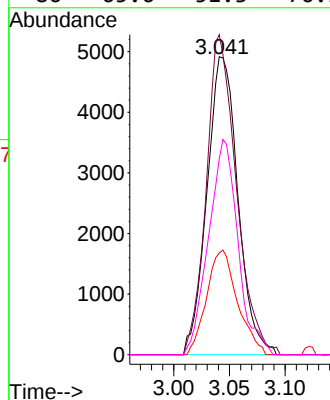
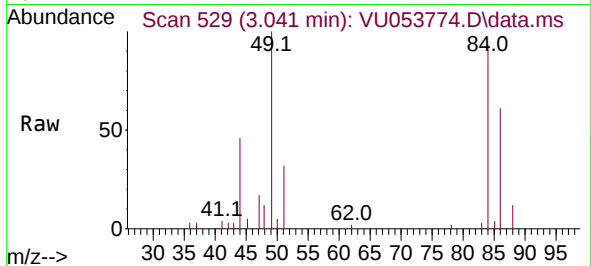




#15  
Methylene Chloride  
Concen: 0.483 ug/l  
RT: 3.041 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

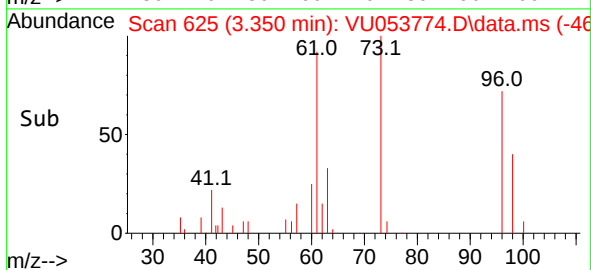
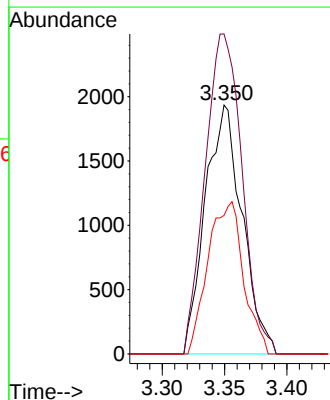
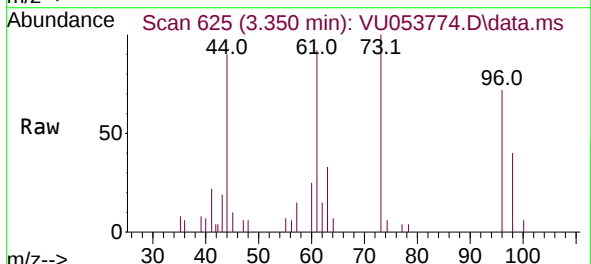
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

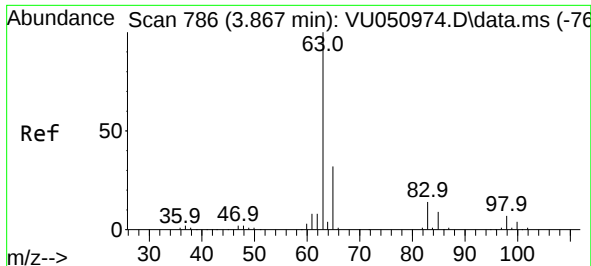
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 9513  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 107.4 | 98.9  | 148.3 |
| 51       | 34.1  | 0.0   | 75.4  |
| 86       | 65.6  | 51.3  | 76.9  |



#16  
trans-1,2-Dichloroethene  
Concen: 0.460 ug/l  
RT: 3.350 min Scan# 625  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 3982  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 128.5 | 117.5 | 176.3 |
| 98       | 55.6  | 48.3  | 72.5  |

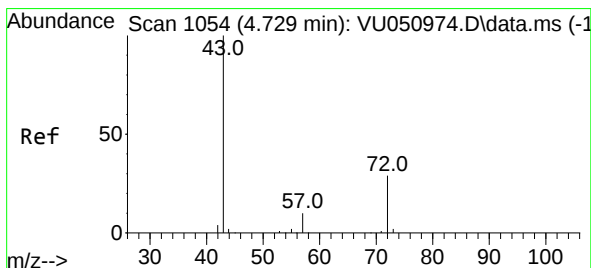
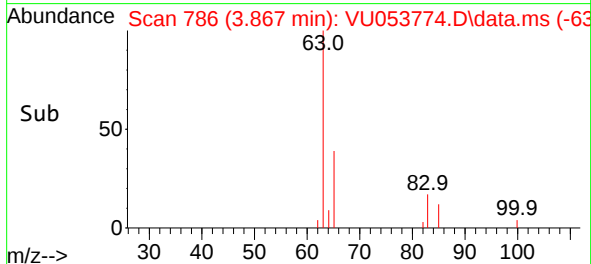
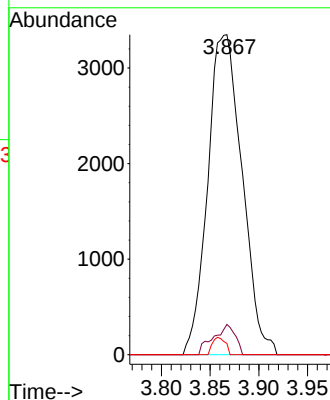
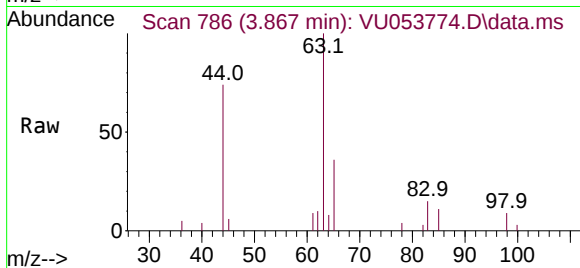




#17  
 1,1-Dichloroethane  
 Concen: 0.511 ug/l  
 RT: 3.867 min Scan# 786  
 Delta R.T. 0.003 min  
 Lab File: VU053774.D  
 Acq: 19 Apr 2023 10:19

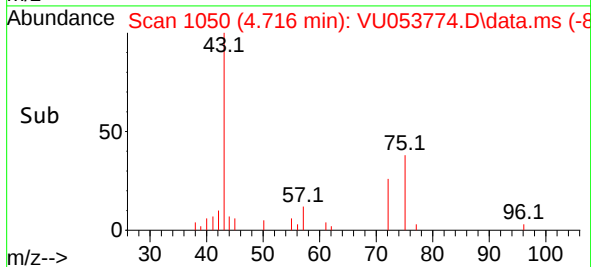
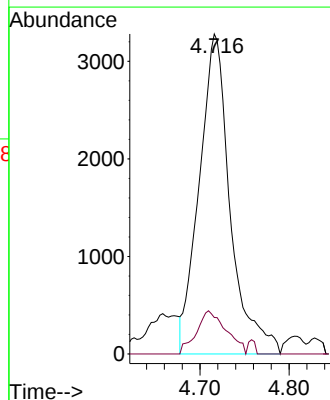
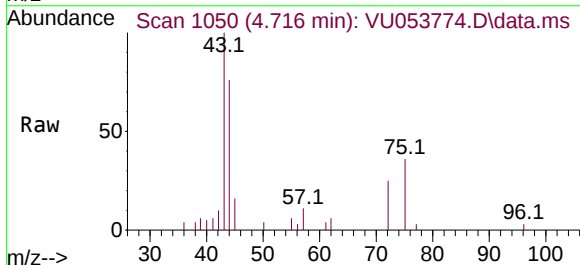
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

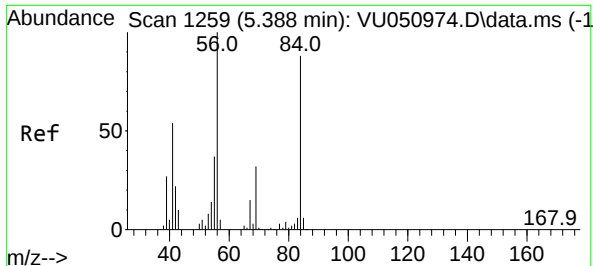
Tgt Ion: 63 Resp: 8223  
 Ion Ratio Lower Upper  
 63 100  
 98 9.5 3.4 10.1  
 100 3.5 2.2 6.6



#18  
 2-Butanone  
 Concen: 2.354 ug/l  
 RT: 4.716 min Scan# 1050  
 Delta R.T. 0.003 min  
 Lab File: VU053774.D  
 Acq: 19 Apr 2023 10:19

Tgt Ion: 43 Resp: 7931  
 Ion Ratio Lower Upper  
 43 100  
 57 11.4 0.0 19.6





#19

Cyclohexane

Concen: 0.382 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

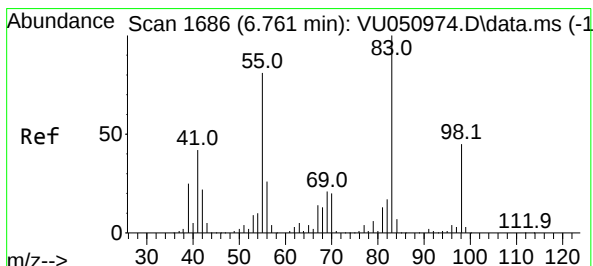
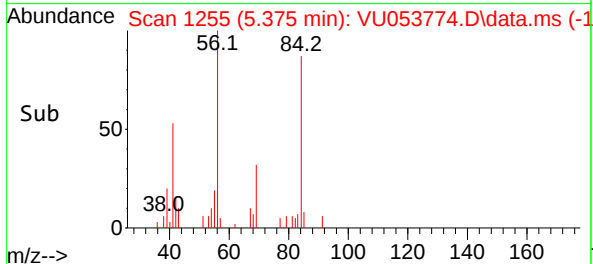
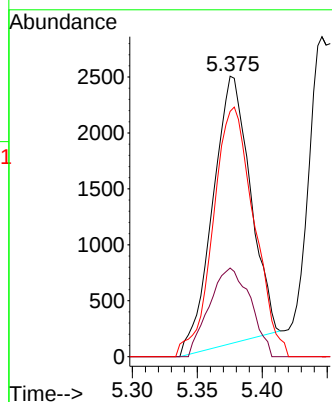
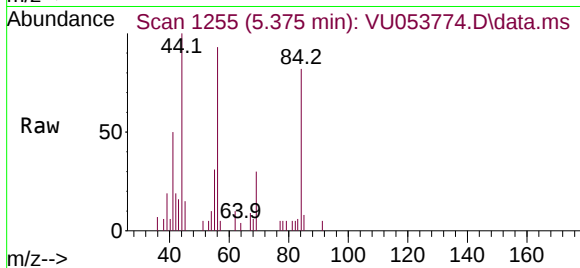
Tgt Ion: 56 Resp: 4826

Ion Ratio Lower Upper

56 100

69 36.2 24.6 37.0

84 100.8 68.4 102.6



#20

Methylcyclohexane

Concen: 0.307 ug/l

RT: 6.751 min Scan# 1683

Delta R.T. -0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

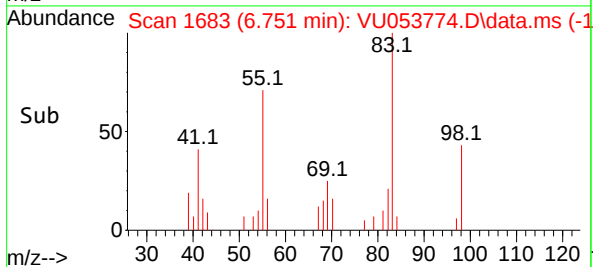
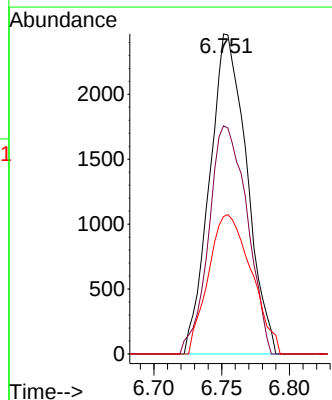
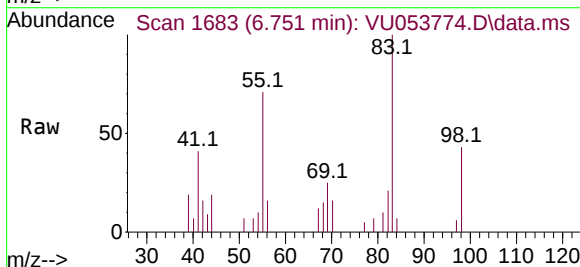
Tgt Ion: 83 Resp: 4690

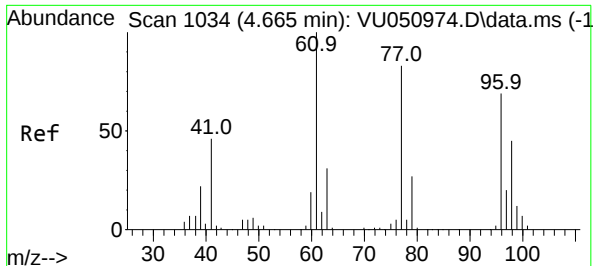
Ion Ratio Lower Upper

83 100

55 73.6 63.5 95.3

98 50.5 36.0 54.0





#21

2,2-Dichloropropane

Concen: 0.610 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

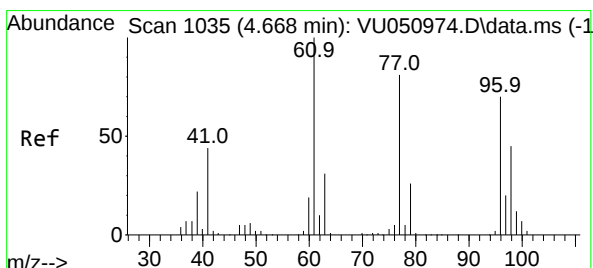
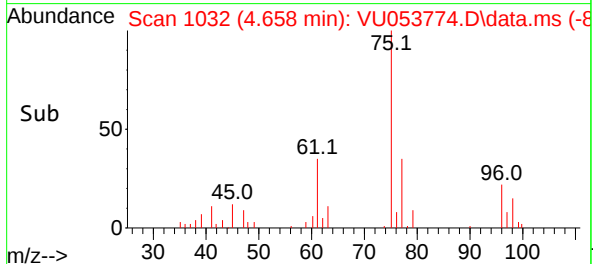
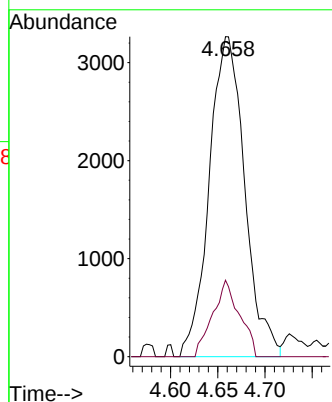
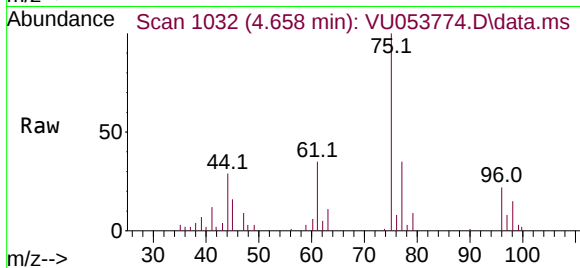
VSTDICC0.5

Tgt Ion: 77 Resp: 8503

Ion Ratio Lower Upper

77 100

97 18.1 18.4 27.6#



#22

cis-1,2-Dichloroethene

Concen: 0.540 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.009 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

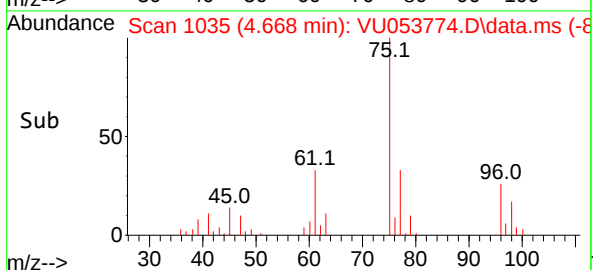
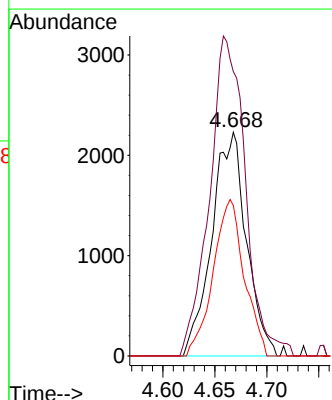
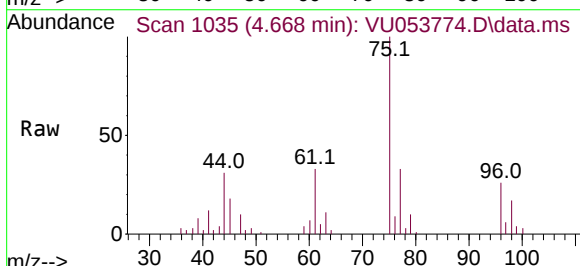
Tgt Ion: 96 Resp: 5170

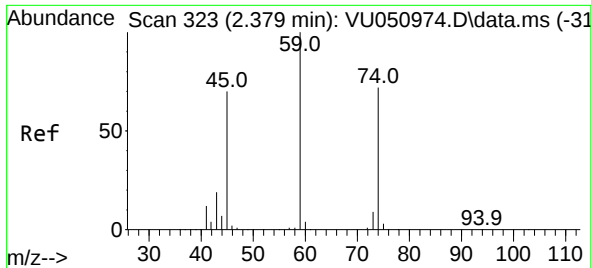
Ion Ratio Lower Upper

96 100

61 147.7 0.0 365.8

98 62.7 32.0 96.0

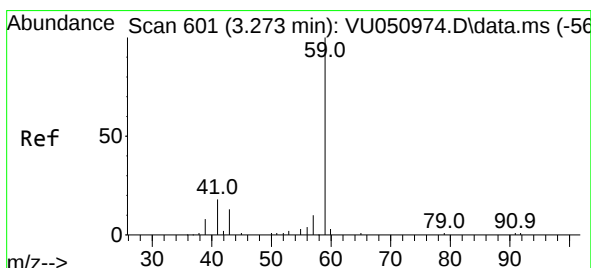
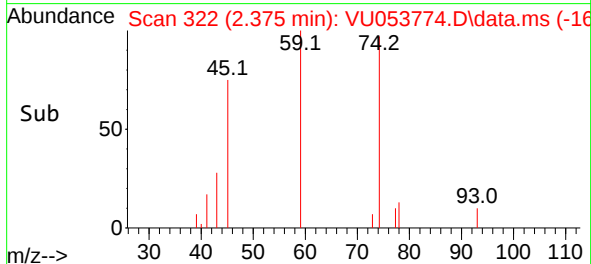
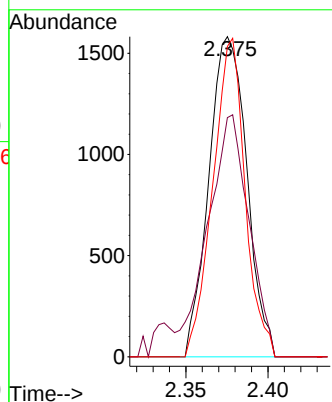
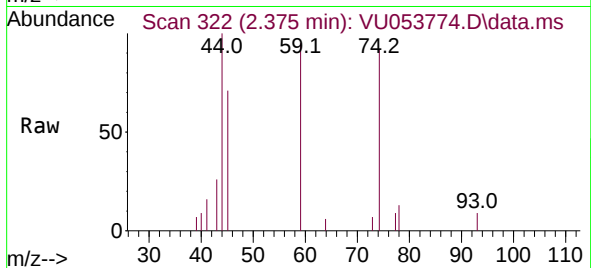




#23  
Diethyl Ether  
Concen: 0.387 ug/l  
RT: 2.375 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

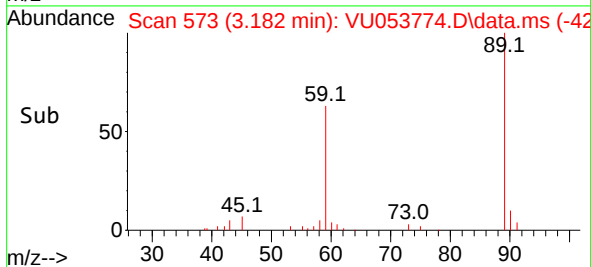
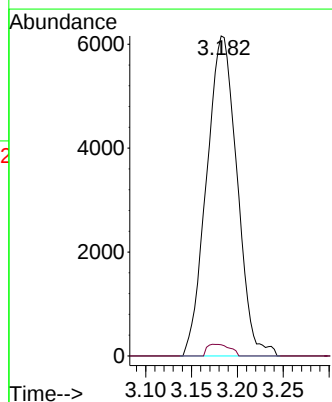
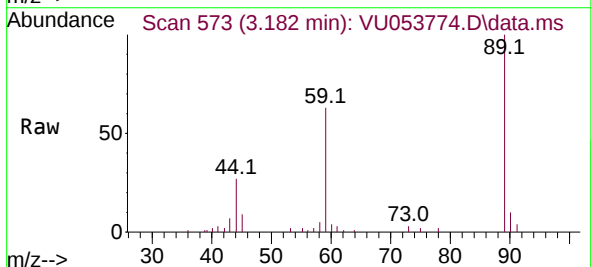
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

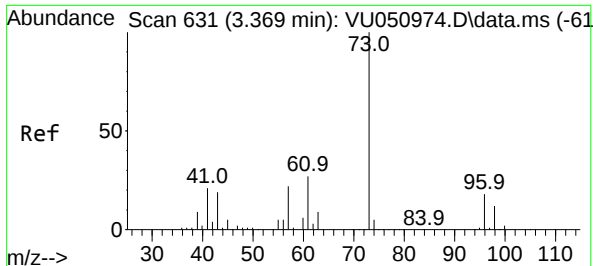
Tgt Ion: 59 Resp: 2544  
Ion Ratio Lower Upper  
59 100  
45 81.8 56.1 84.1  
74 84.4 57.4 86.2



#24  
tert-Butyl Alcohol  
Concen: 21.731 ug/l  
RT: 3.182 min Scan# 573  
Delta R.T. -0.007 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion: 59 Resp: 14238  
Ion Ratio Lower Upper  
59 100  
57 2.7 105.6 158.4#

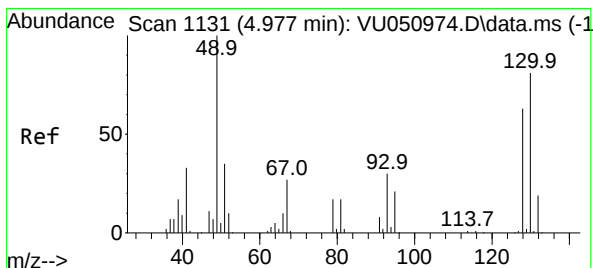
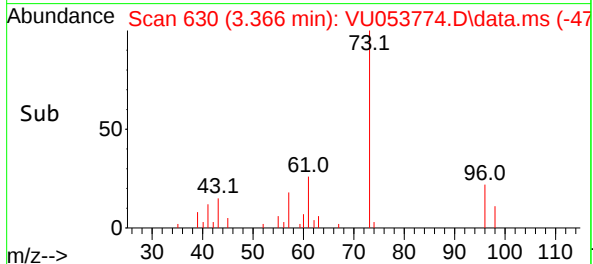
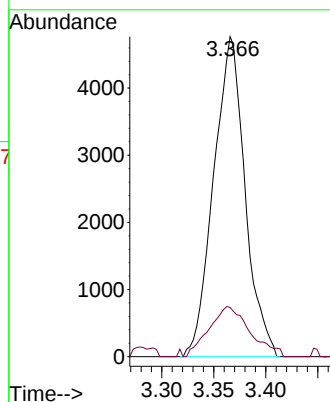
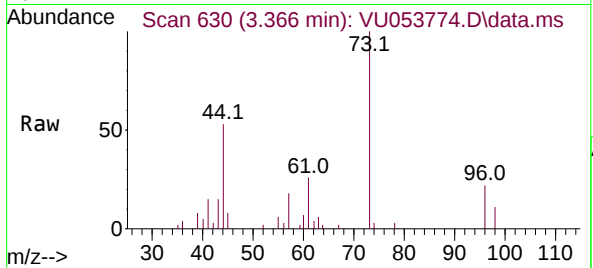




#25  
Methyl tert-Butyl Ether  
Concen: 0.522 ug/l  
RT: 3.366 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

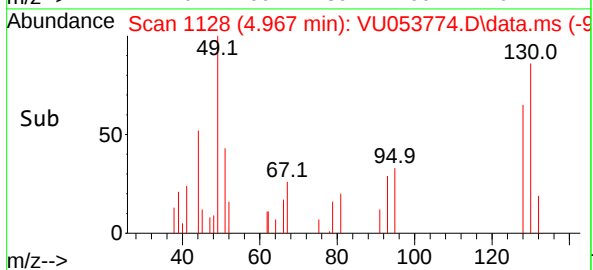
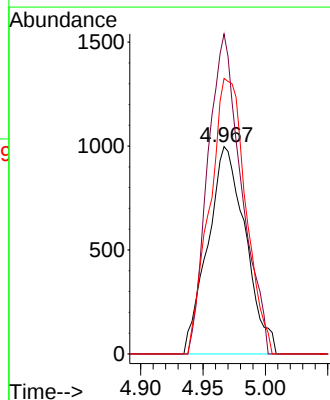
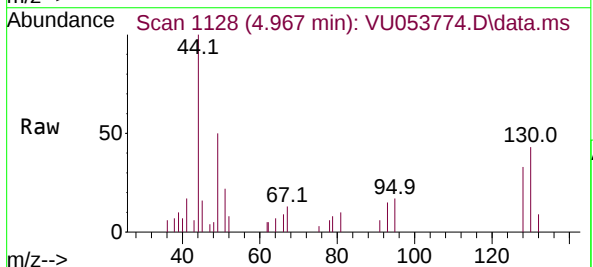
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

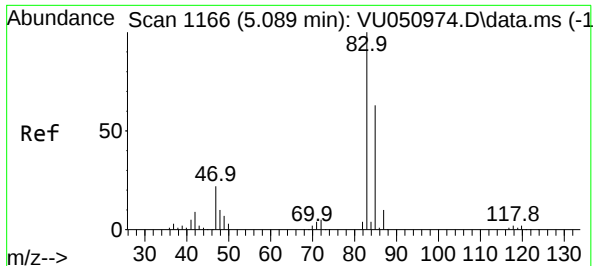
Tgt Ion: 73 Resp: 10015  
Ion Ratio Lower Upper  
73 100  
43 20.4 15.0 22.6



#26  
Bromochloromethane  
Concen: 0.529 ug/l  
RT: 4.967 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion: 128 Resp: 2093  
Ion Ratio Lower Upper  
128 100  
49 137.8 0.0 324.6  
130 127.7 103.0 154.4





#27

Chloroform

Concen: 0.520 ug/l

RT: 5.083 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

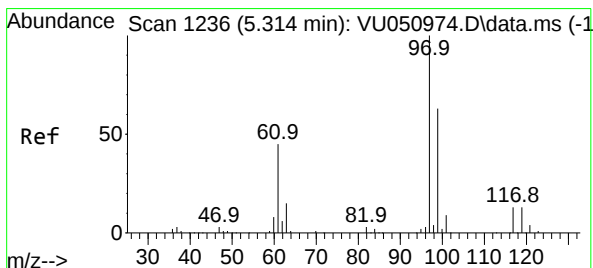
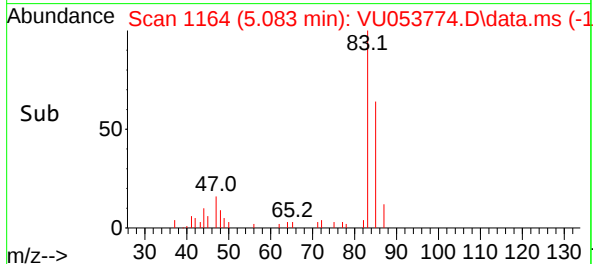
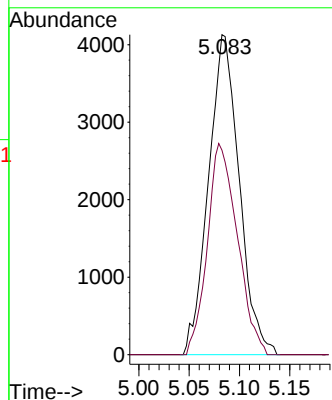
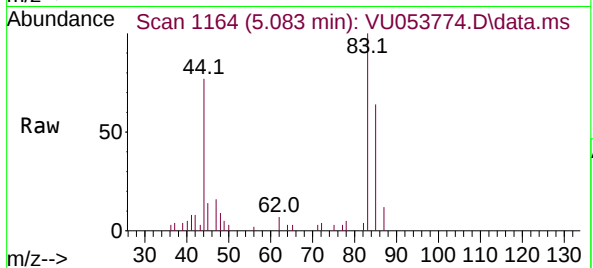
VSTDICC0.5

Tgt Ion: 83 Resp: 8767

Ion Ratio Lower Upper

83 100

85 63.9 0.0 126.4



#28

1,1,1-Trichloroethane

Concen: 0.486 ug/l

RT: 5.311 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

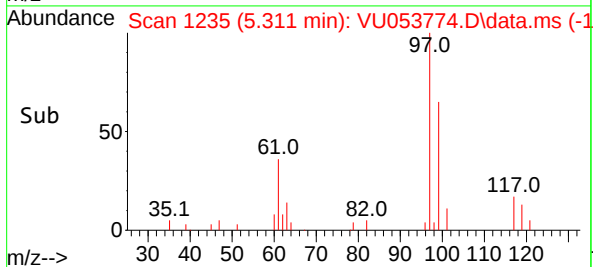
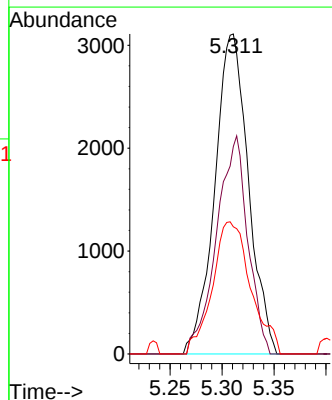
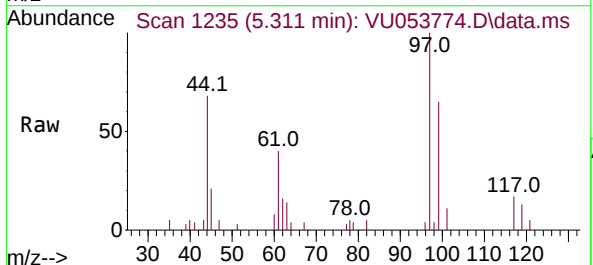
Tgt Ion: 97 Resp: 7012

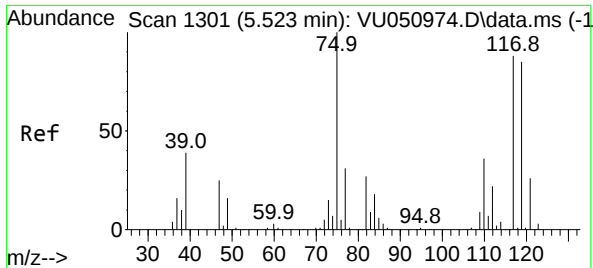
Ion Ratio Lower Upper

97 100

99 63.1 32.0 96.2

61 46.9 22.9 68.5

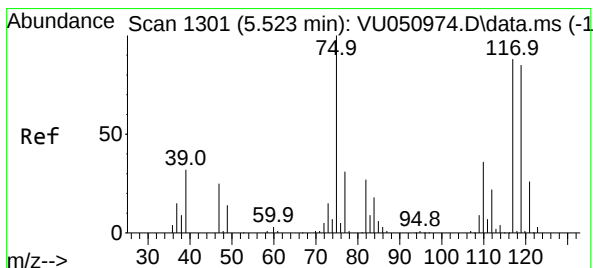
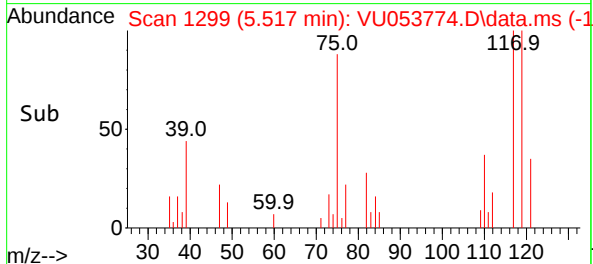
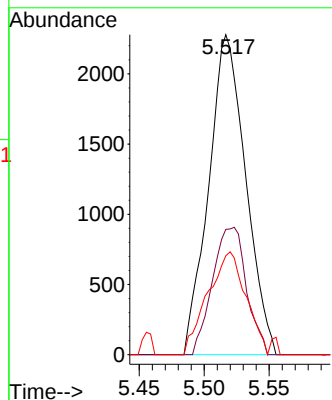
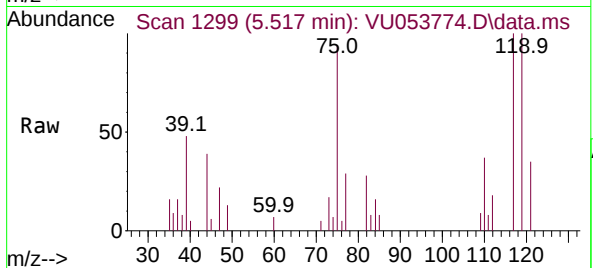




#29  
1,1-Dichloropropene  
Concen: 0.383 ug/l  
RT: 5.517 min Scan# 1299  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

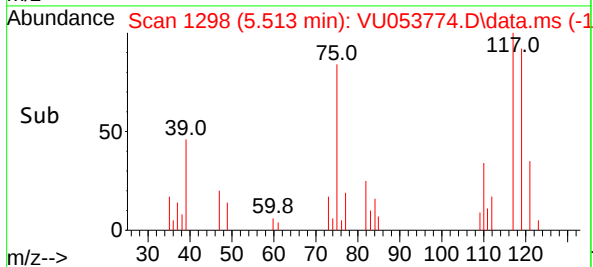
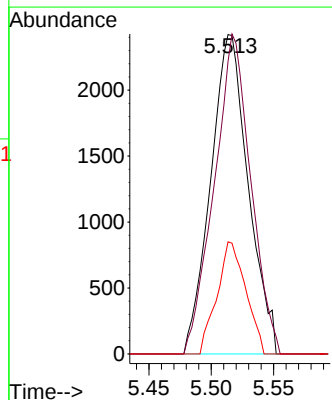
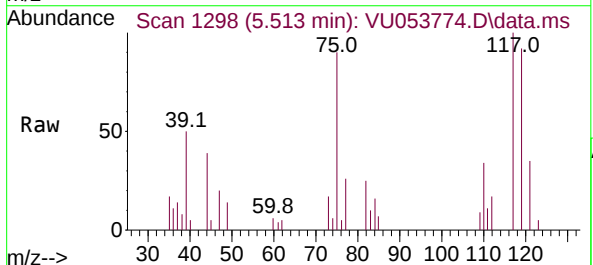
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

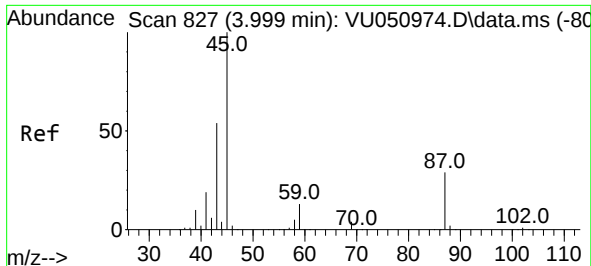
Tgt Ion: 75 Resp: 4517  
Ion Ratio Lower Upper  
75 100  
110 36.6 18.0 54.0  
77 33.2 24.7 37.1



#30  
Carbon Tetrachloride  
Concen: 0.455 ug/l  
RT: 5.513 min Scan# 1298  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion: 117 Resp: 5080  
Ion Ratio Lower Upper  
117 100  
119 91.6 77.4 116.0  
121 35.1 24.0 36.0

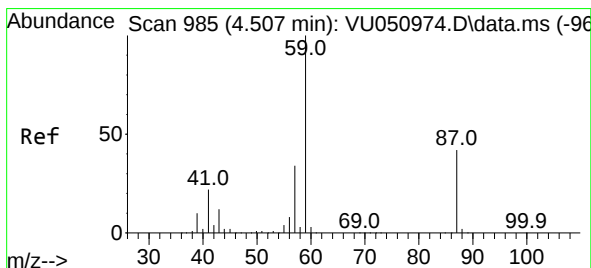
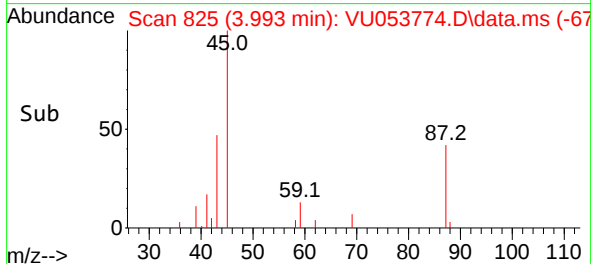
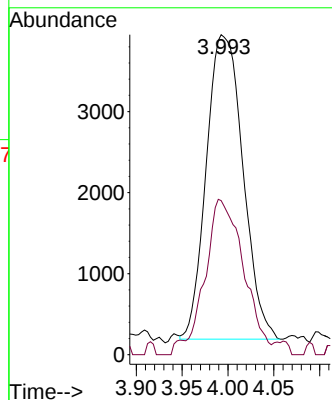
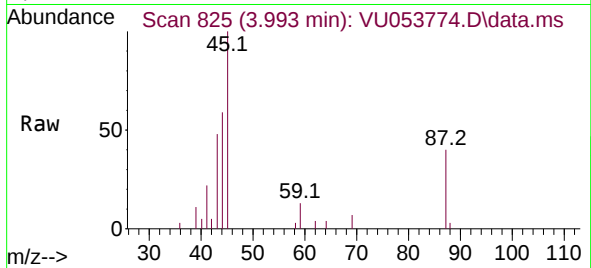




#31  
Isopropyl Ether  
Concen: 0.467 ug/l  
RT: 3.993 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

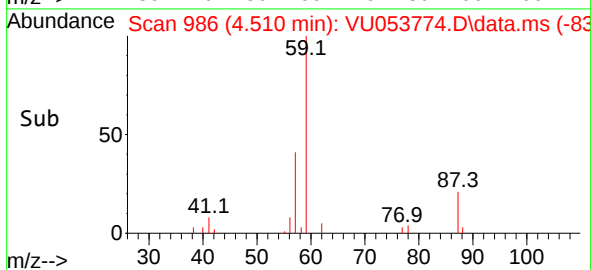
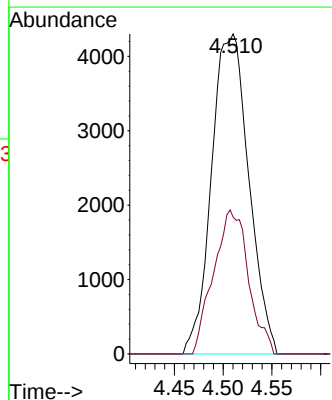
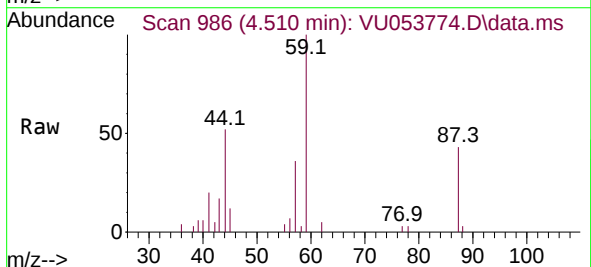
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

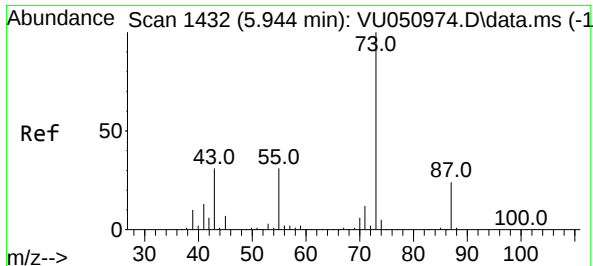
Tgt Ion: 45 Resp: 10426  
Ion Ratio Lower Upper  
45 100  
43 54.3 27.5 82.5



#32  
Ethyl-t-butyl ether  
Concen: 0.499 ug/l  
RT: 4.510 min Scan# 986  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion: 59 Resp: 11438  
Ion Ratio Lower Upper  
59 100  
87 42.1 33.5 50.3





#33

Tert-Amyl methyl ether

Concen: 0.395 ug/l

RT: 5.947 min Scan# 14

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

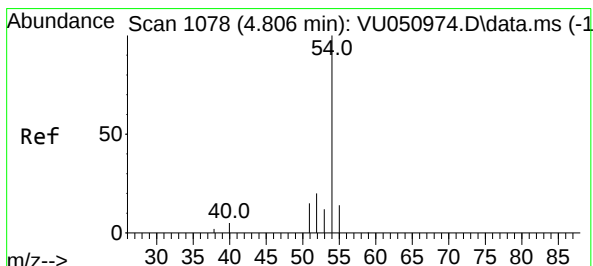
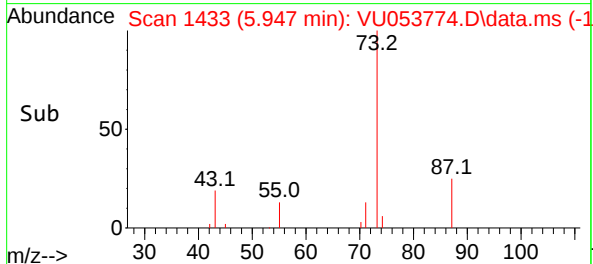
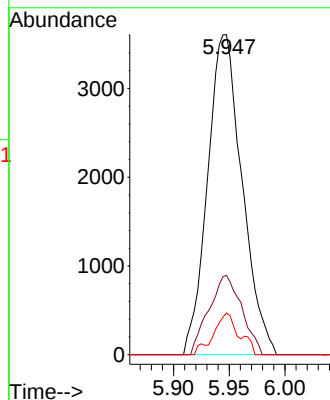
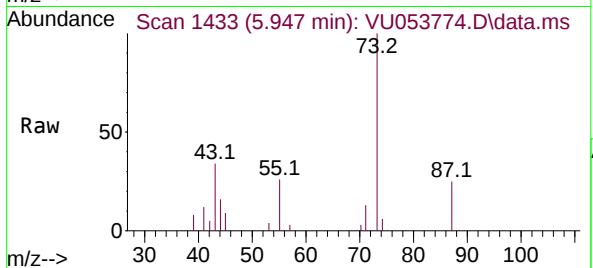
Tgt Ion: 73 Resp: 7773

Ion Ratio Lower Upper

73 100

87 23.6 18.6 28.0

71 9.6 9.9 14.9#



#34

Propionitrile

Concen: 3.064 ug/l

RT: 4.777 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Tgt Ion: 54 Resp: 1733

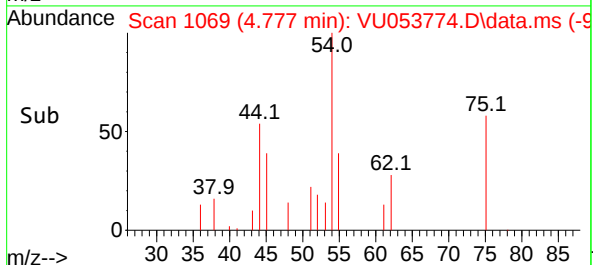
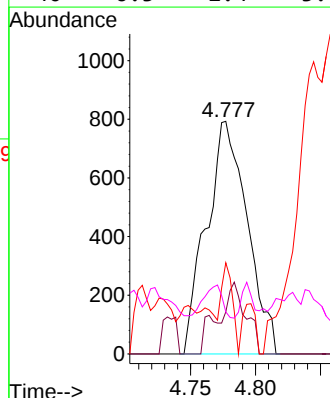
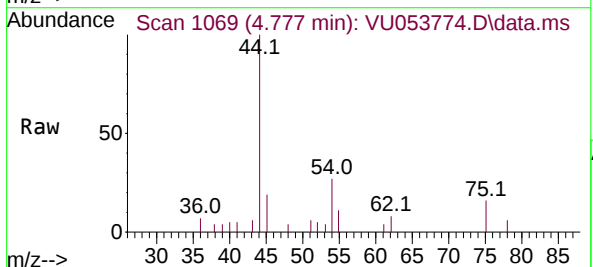
Ion Ratio Lower Upper

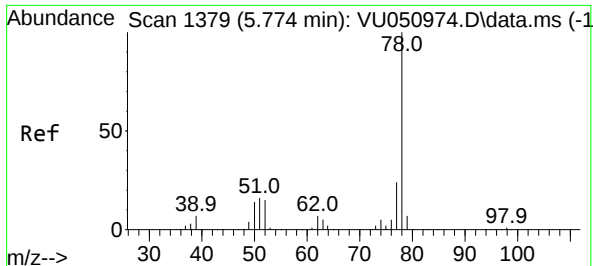
54 100

52 14.4 17.4 26.0#

55 10.4 104.1 156.1#

40 6.3 2.4 3.6#





#35

Benzene

Concen: 0.396 ug/l

RT: 5.767 min Scan# 1377

Delta R.T. -0.000 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

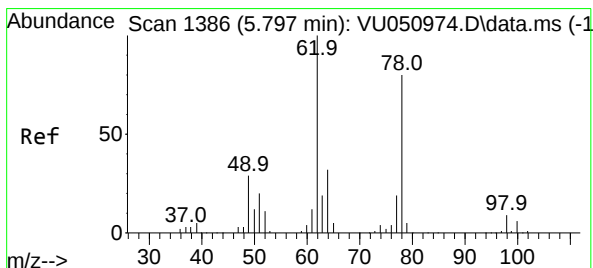
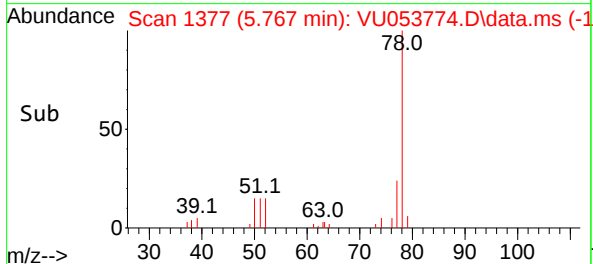
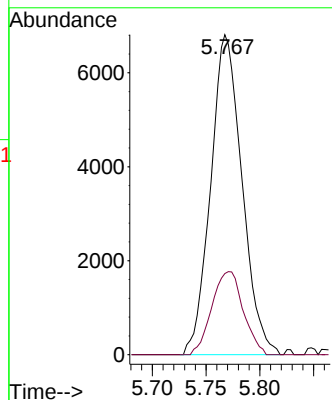
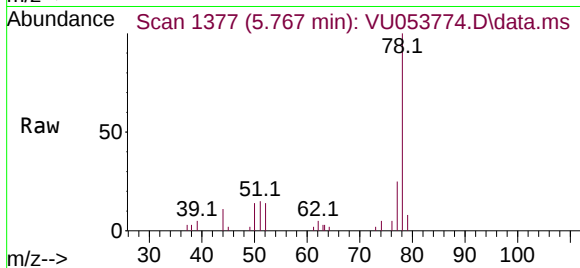
VSTDICC0.5

Tgt Ion: 78 Resp: 13808

Ion Ratio Lower Upper

78 100

77 25.4 18.9 28.3



#36

1,2-Dichloroethane

Concen: 0.410 ug/l

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU053774.D

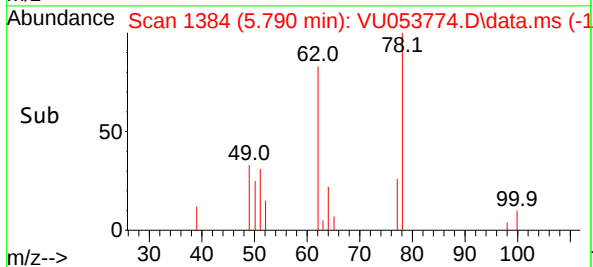
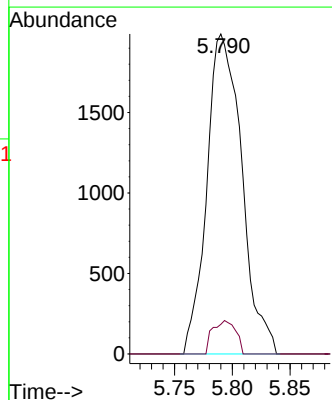
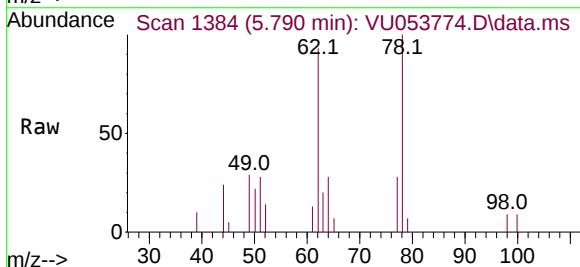
Acq: 19 Apr 2023 10:19

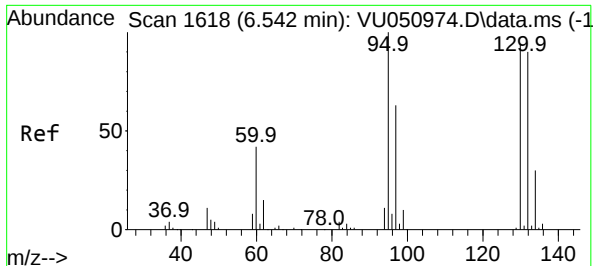
Tgt Ion: 62 Resp: 4182

Ion Ratio Lower Upper

62 100

98 6.9 7.3 10.9#





#37

Trichloroethene

Concen: 0.441 ug/l

RT: 6.539 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

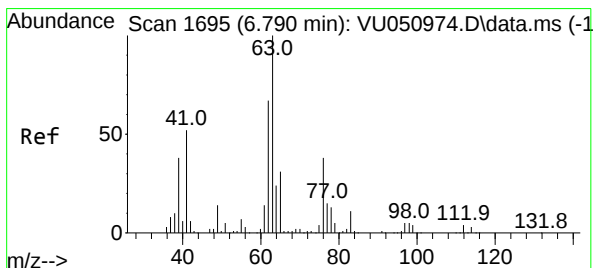
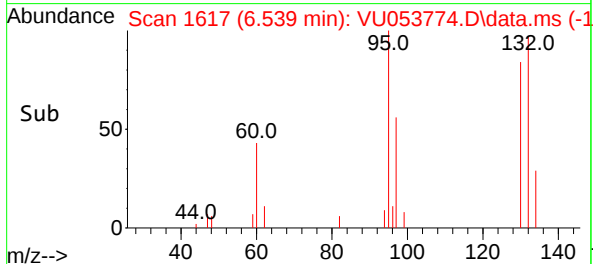
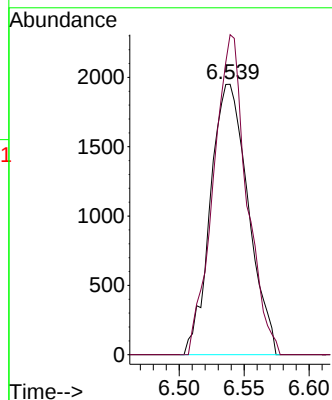
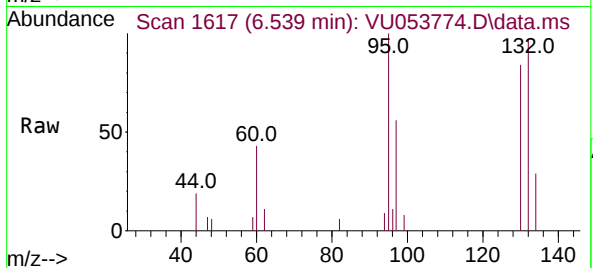
VSTDIC0.5

Tgt Ion:130 Resp: 3945

Ion Ratio Lower Upper

130 100

95 118.4 85.0 127.6



#38

1,2-Dichloropropane

Concen: 0.392 ug/l

RT: 6.790 min Scan# 1695

Delta R.T. -0.000 min

Lab File: VU053774.D

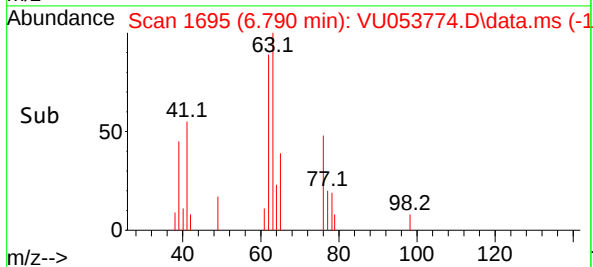
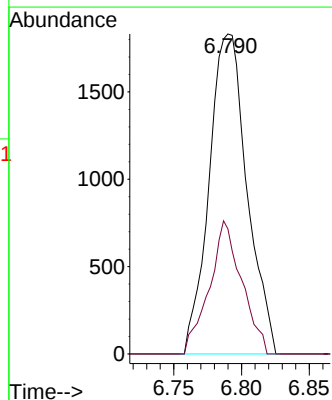
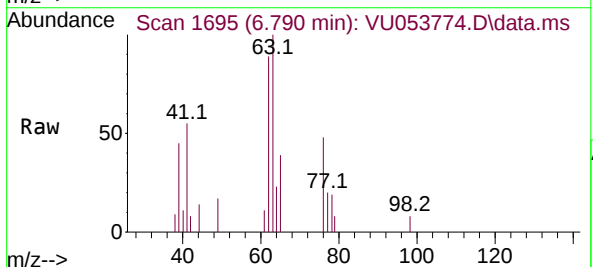
Acq: 19 Apr 2023 10:19

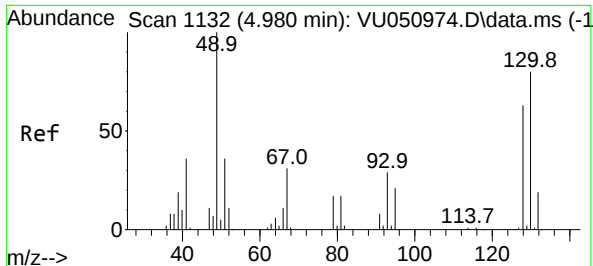
Tgt Ion: 63 Resp: 3566

Ion Ratio Lower Upper

63 100

65 39.1 24.9 37.3#





#39

Methacrylonitrile

Concen: 0.529 ug/l

RT: 4.980 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 41 Resp: 1240

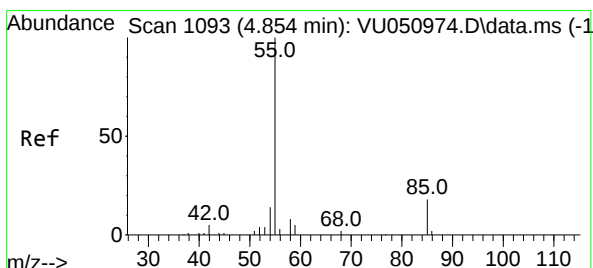
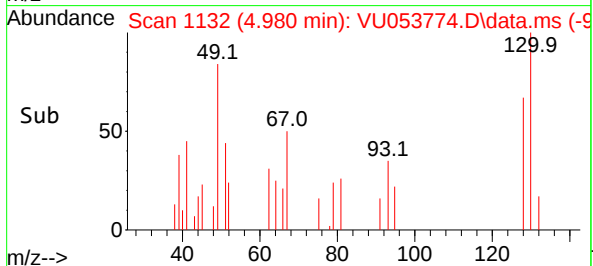
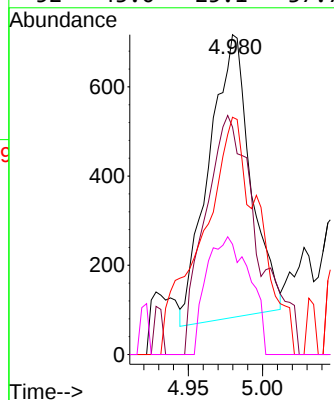
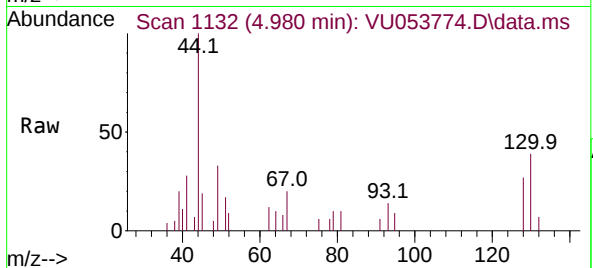
Ion Ratio Lower Upper

41 100

67 105.6 66.8 100.2#

39 114.3 41.2 61.8#

52 43.0 25.1 37.7#



#40

Methyl acrylate

Concen: 0.324 ug/l

RT: 4.845 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Tgt Ion: 55 Resp: 1386

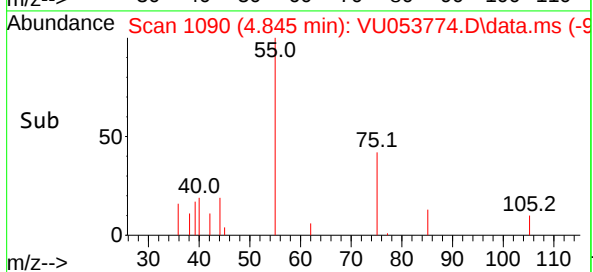
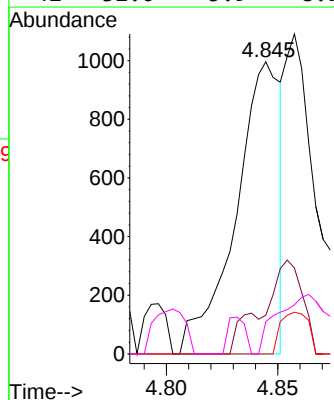
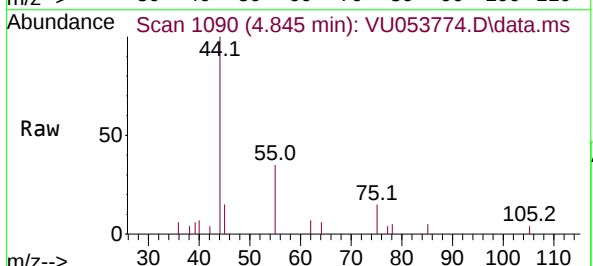
Ion Ratio Lower Upper

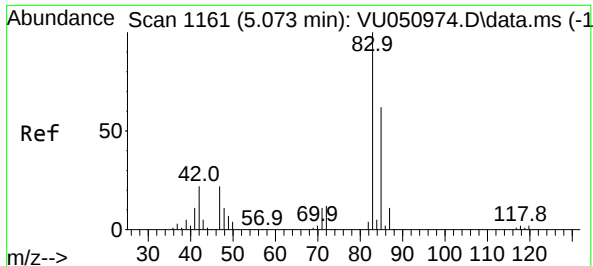
55 100

85 28.9 13.3 19.9#

58 8.8 6.5 9.7

42 32.0 5.9 8.9#





#41

Tetrahydrofuran

Concen: 1.189 ug/l

RT: 5.066 min Scan# 1159

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

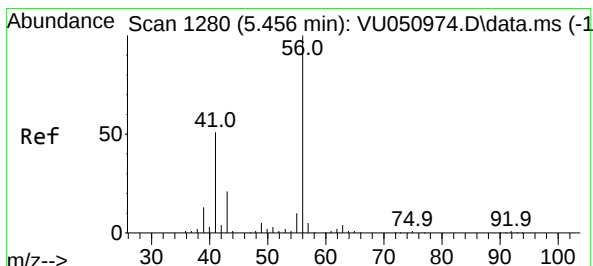
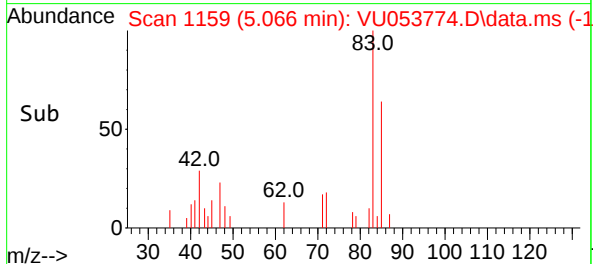
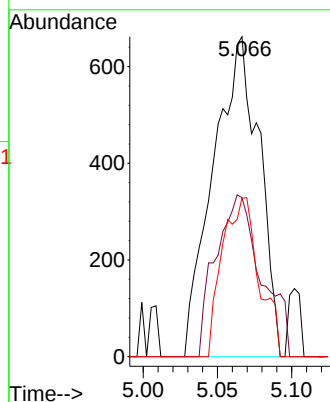
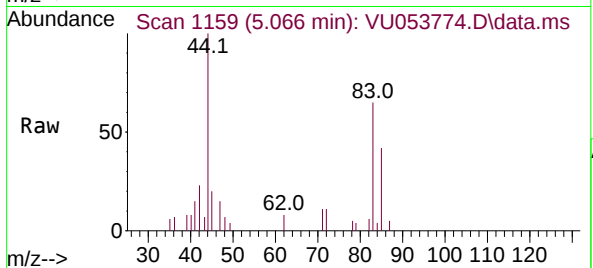
Tgt Ion: 42 Resp: 1425

Ion Ratio Lower Upper

42 100

72 50.4 40.9 61.3

71 39.5 36.9 55.3



#42

1-Chlorobutane

Concen: 0.409 ug/l

RT: 5.446 min Scan# 1277

Delta R.T. -0.003 min

Lab File: VU053774.D

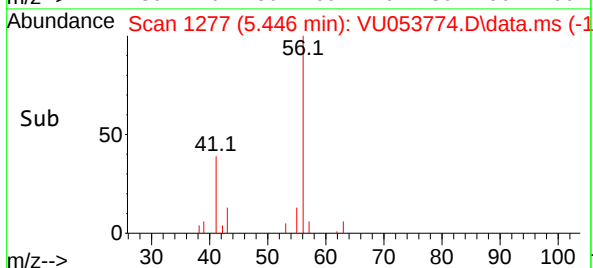
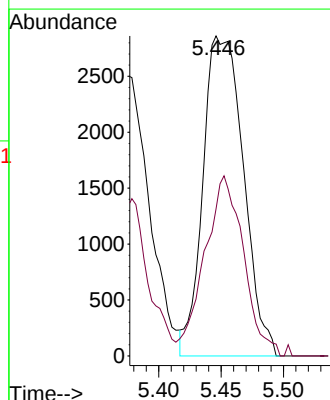
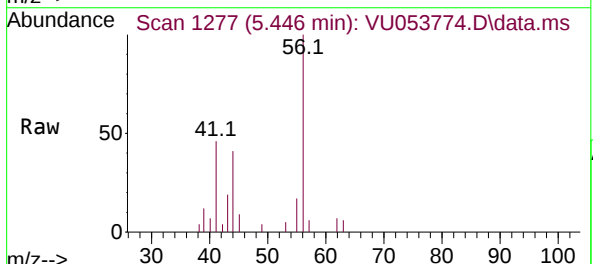
Acq: 19 Apr 2023 10:19

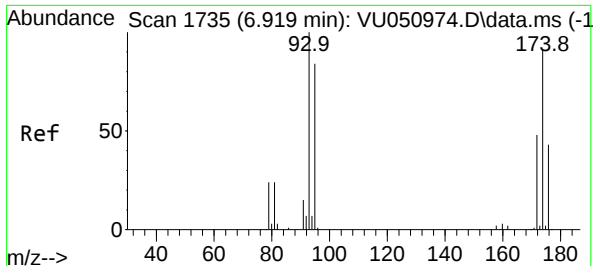
Tgt Ion: 56 Resp: 6453

Ion Ratio Lower Upper

56 100

41 54.3 25.2 75.6



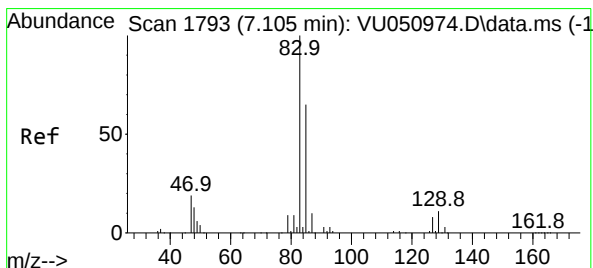
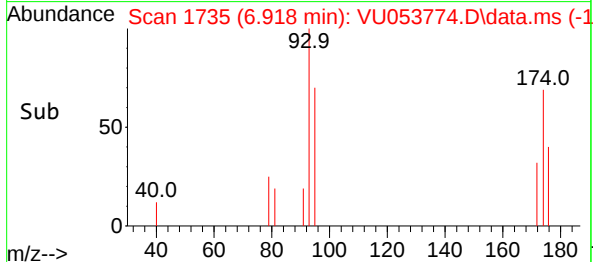
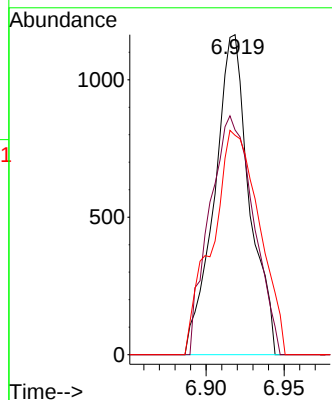
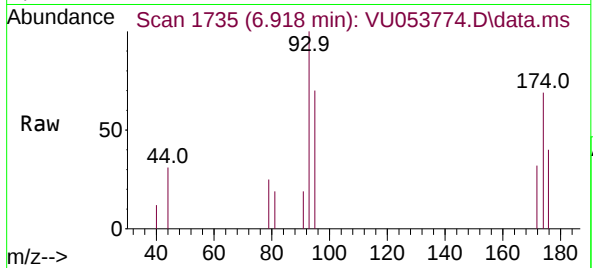


#43  
Dibromomethane  
Concen: 0.417 ug/l  
RT: 6.918 min Scan# 1735  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

Tgt Ion: 93 Resp: 1821

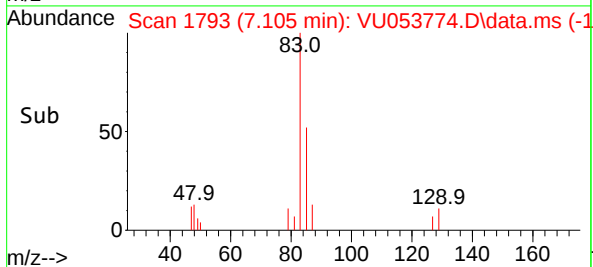
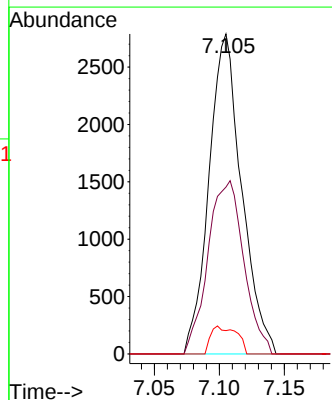
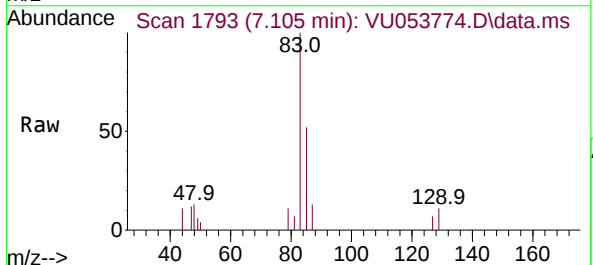
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 93.4  | 67.0  | 100.6 |
| 174 | 94.4  | 73.8  | 110.6 |

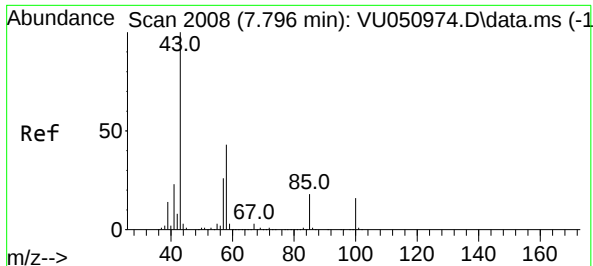


#44  
Bromodichloromethane  
Concen: 0.445 ug/l  
RT: 7.105 min Scan# 1793  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion: 83 Resp: 4866

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 52.1  | 51.9  | 77.9  |
| 127 | 7.3   | 6.7   | 10.1  |





#45

4-Methyl-2-Pentanone

Concen: 1.974 ug/l

RT: 7.800 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

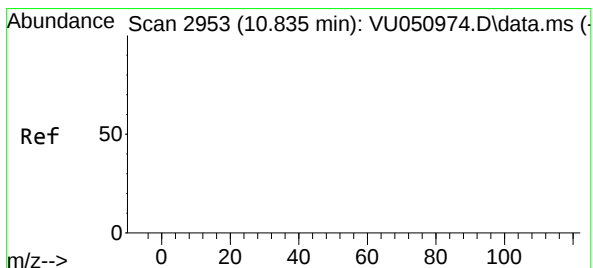
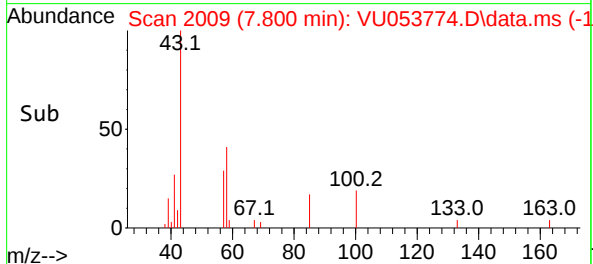
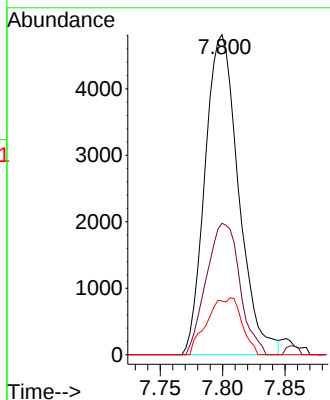
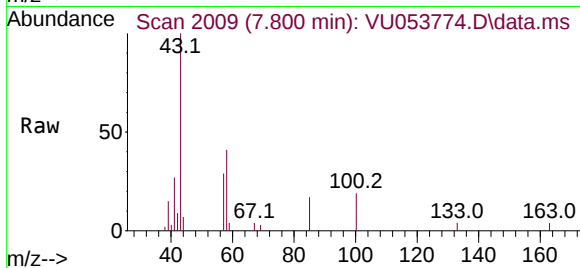
Tgt Ion: 43 Resp: 9008

Ion Ratio Lower Upper

43 100

58 41.0 20.9 62.8

85 18.3 14.6 21.8



#46

t-1,4-Dichloro-2-butene

Concen: 1.732 ug/l

RT: 10.822 min Scan# 2949

Delta R.T. -0.010 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Tgt Ion: 75 Resp: 4273

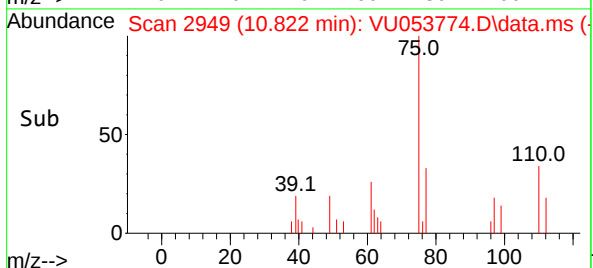
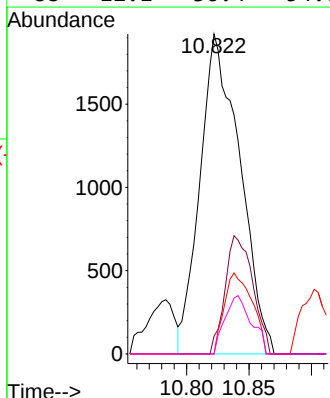
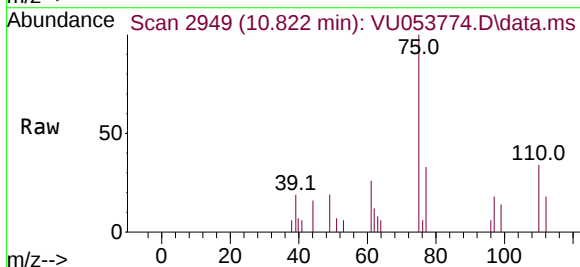
Ion Ratio Lower Upper

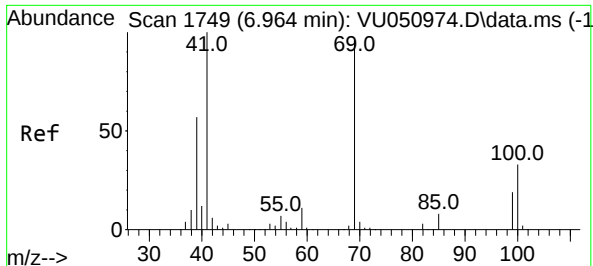
75 100

53 25.6 73.3 109.9#

89 17.7 48.2 72.4#

88 12.1 36.4 54.6#





#47

Methyl methacrylate

Concen: 0.767 ug/l

RT: 6.967 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 69 Resp: 3085

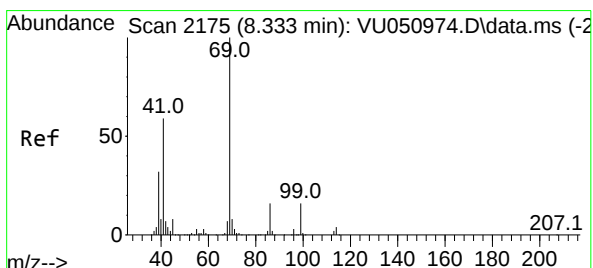
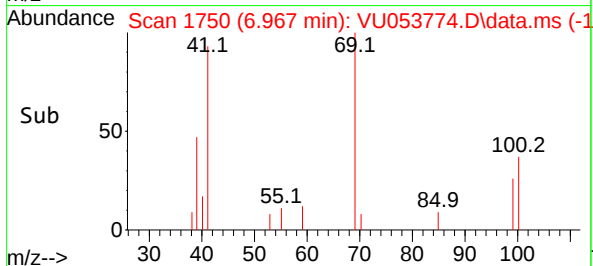
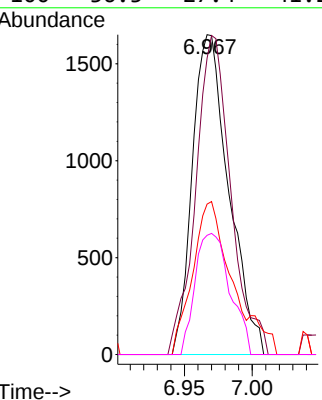
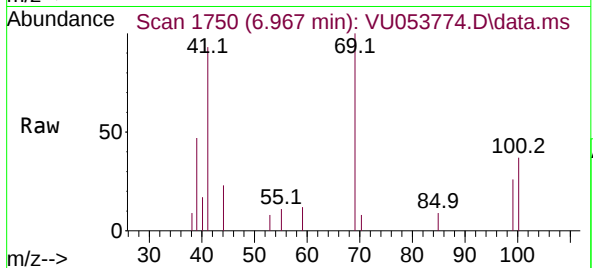
Ion Ratio Lower Upper

69 100

41 96.2 0.0 209.2

39 52.5 46.7 70.1

100 36.3 27.4 41.2



#48

Ethyl methacrylate

Concen: 0.392 ug/l

RT: 8.336 min Scan# 2176

Delta R.T. 0.003 min

Lab File: VU053774.D

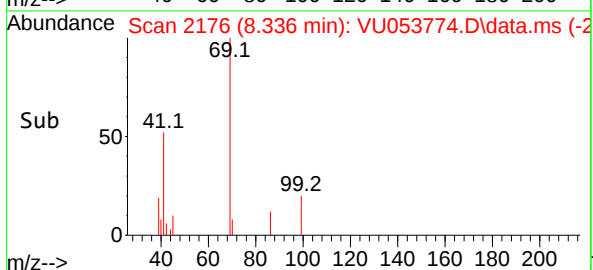
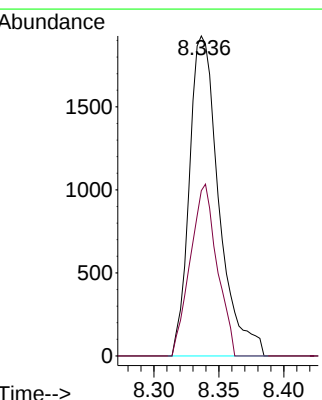
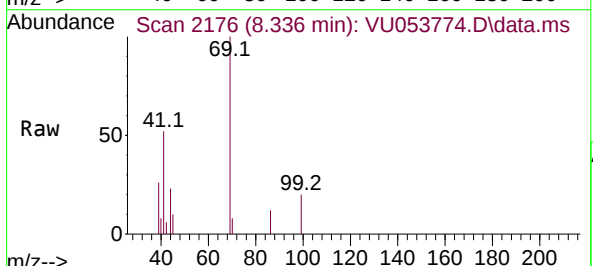
Acq: 19 Apr 2023 10:19

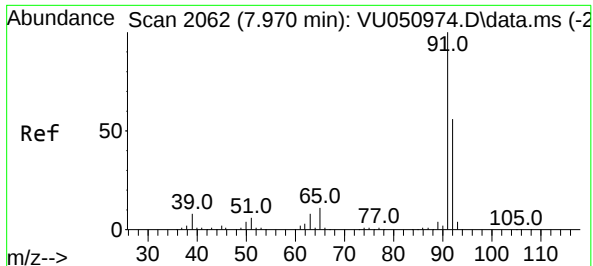
Tgt Ion: 69 Resp: 3050

Ion Ratio Lower Upper

69 100

41 48.6 30.3 90.8





#49

Toluene

Concen: 0.387 ug/l

RT: 7.967 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

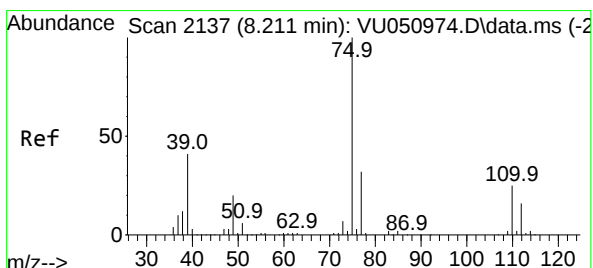
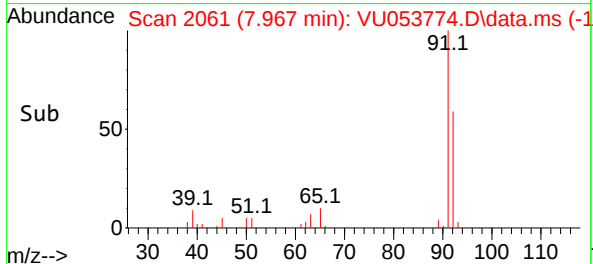
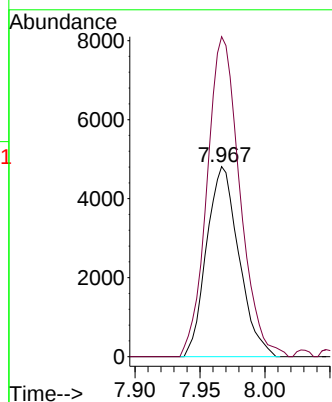
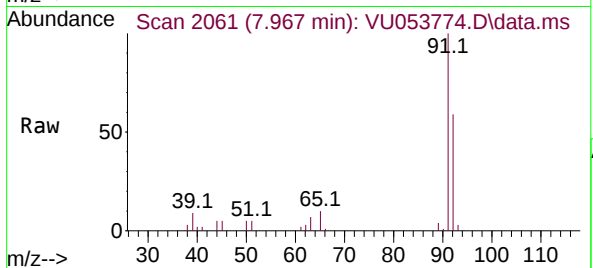
VSTDICC0.5

Tgt Ion: 92 Resp: 8327

Ion Ratio Lower Upper

92 100

91 170.6 143.0 214.6



#50

t-1,3-Dichloropropene

Concen: 0.409 ug/l

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU053774.D

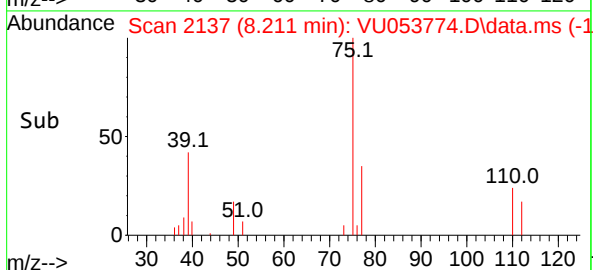
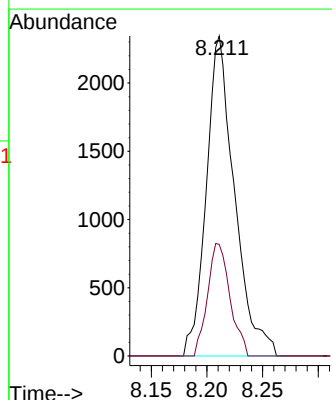
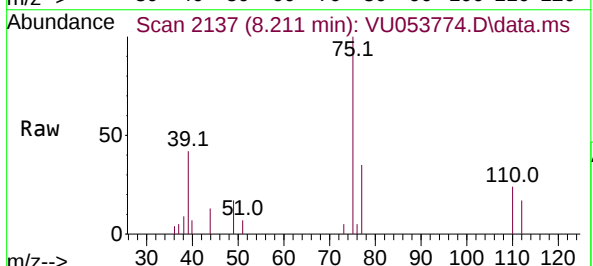
Acq: 19 Apr 2023 10:19

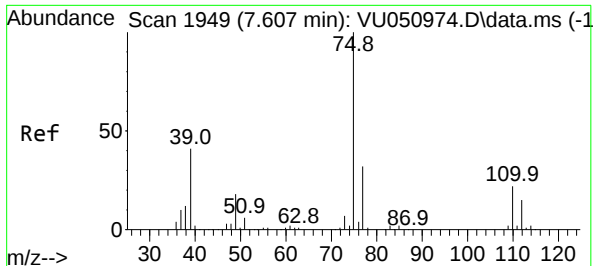
Tgt Ion: 75 Resp: 4129

Ion Ratio Lower Upper

75 100

77 34.8 25.3 37.9





#51

cis-1,3-Dichloropropene

Concen: 0.408 ug/l

RT: 7.610 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

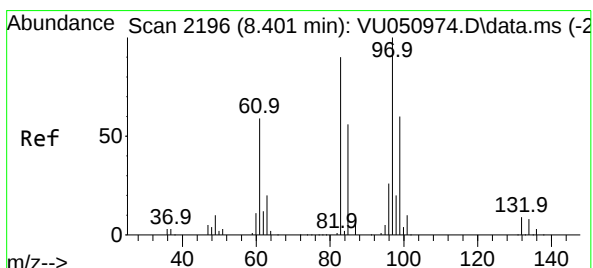
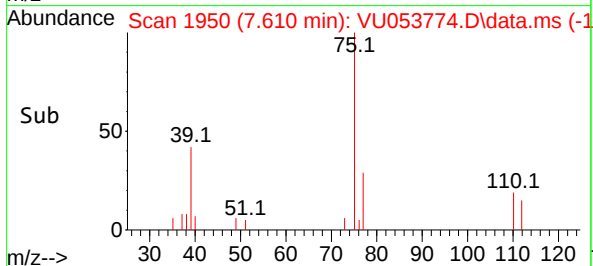
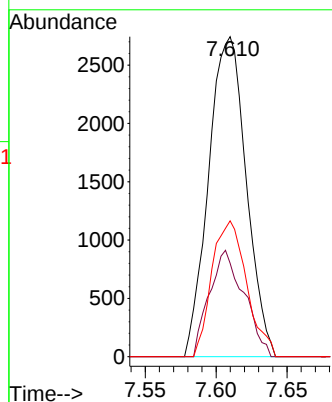
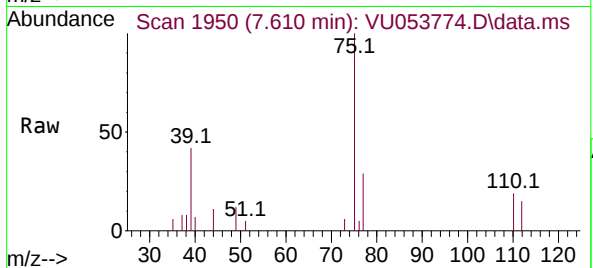
Tgt Ion: 75 Resp: 5067

Ion Ratio Lower Upper

75 100

77 29.2 25.7 38.5

39 42.5 32.8 49.2



#52

1,1,2-Trichloroethane

Concen: 0.458 ug/l

RT: 8.401 min Scan# 2196

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Tgt Ion: 97 Resp: 2964

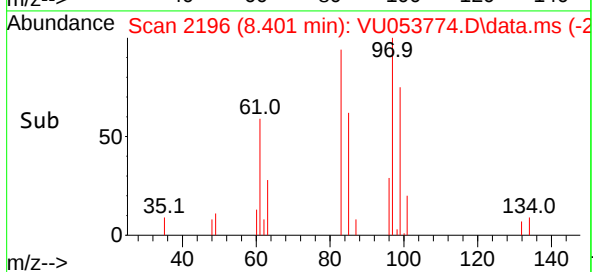
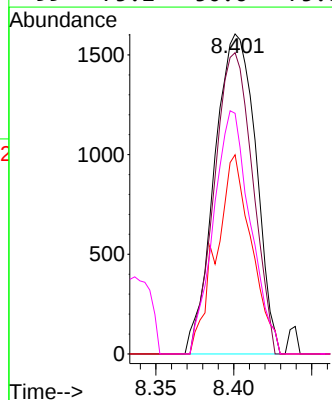
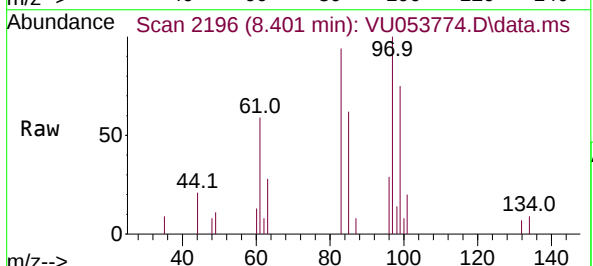
Ion Ratio Lower Upper

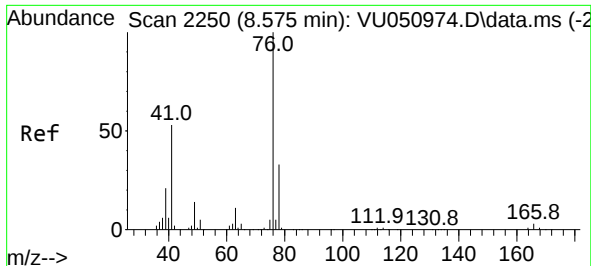
97 100

83 94.1 71.8 107.8

85 62.2 45.2 67.8

99 75.2 50.6 75.8





#53

1,3-Dichloropropane

Concen: 0.393 ug/l

RT: 8.574 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

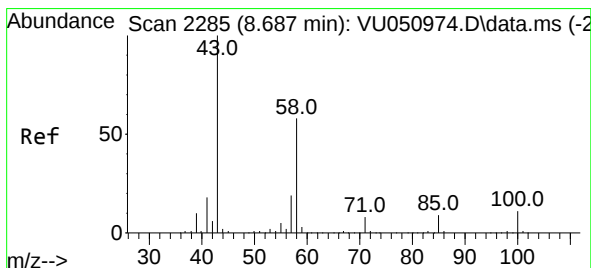
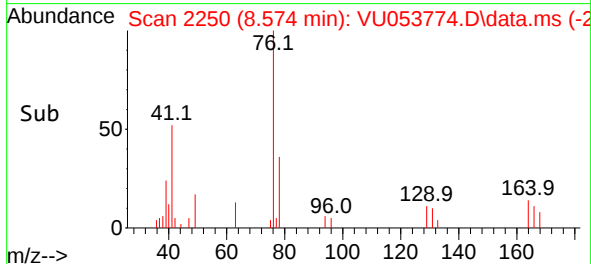
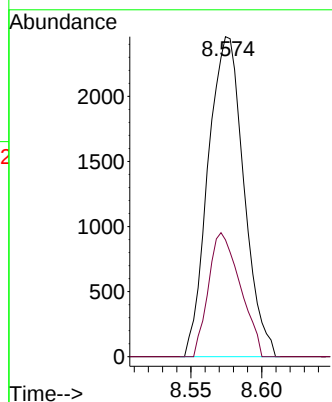
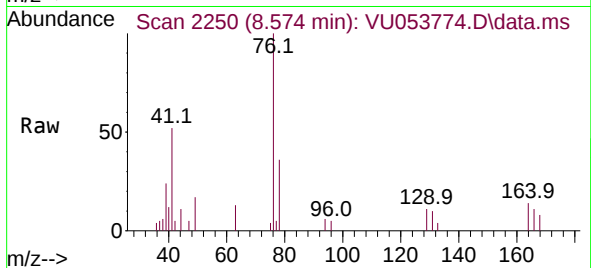
VSTDICC0.5

Tgt Ion: 76 Resp: 4304

Ion Ratio Lower Upper

76 100

78 34.5 25.9 38.9



#54

2-Hexanone

Concen: 1.685 ug/l

RT: 8.690 min Scan# 2286

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

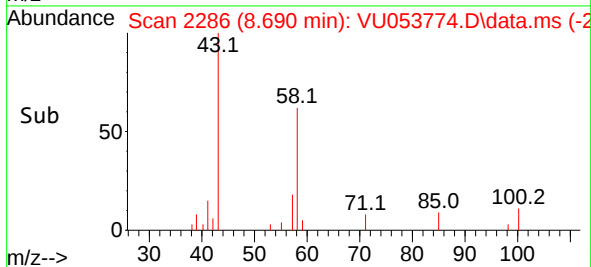
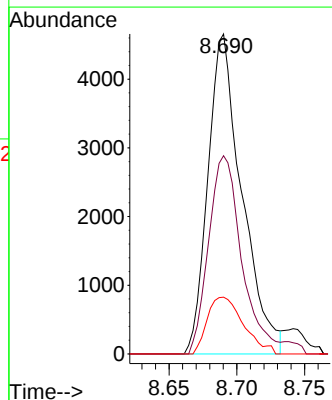
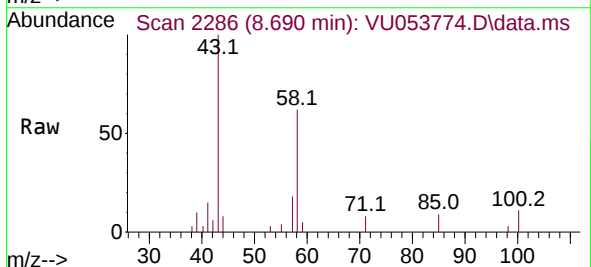
Tgt Ion: 43 Resp: 8102

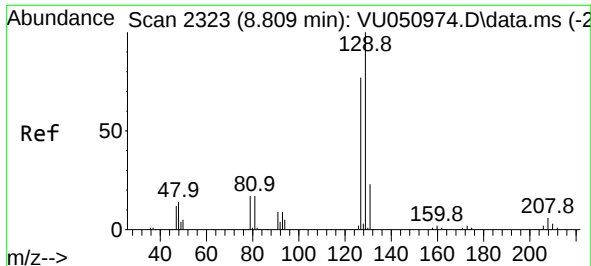
Ion Ratio Lower Upper

43 100

58 60.4 38.2 78.2

57 18.9 0.0 39.1

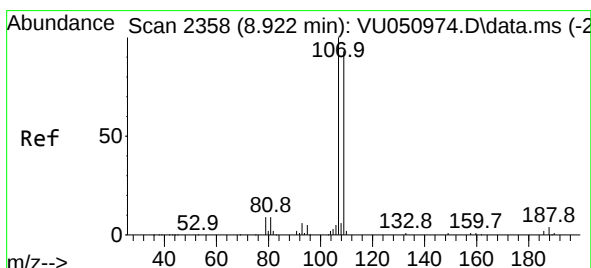
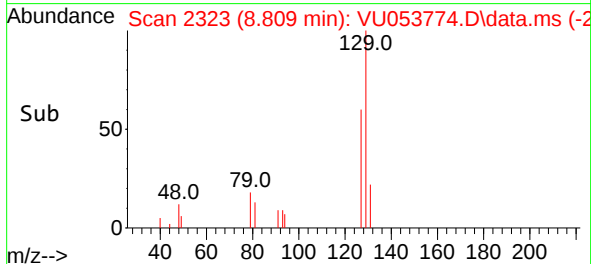
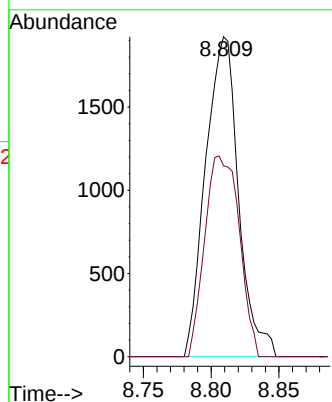
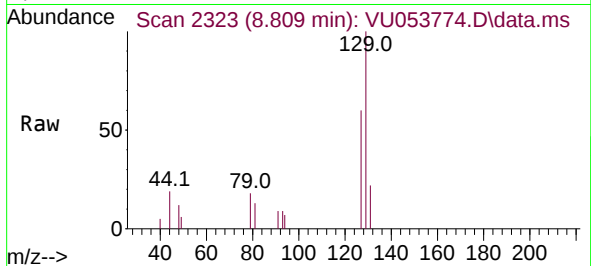




#55  
Dibromochloromethane  
Concen: 0.491 ug/l  
RT: 8.809 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

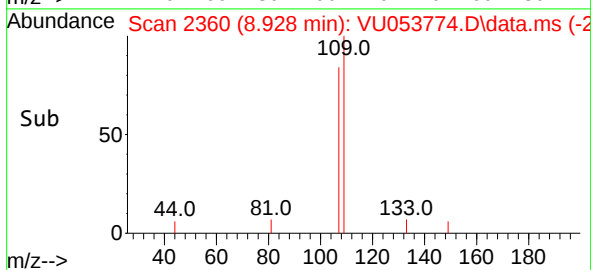
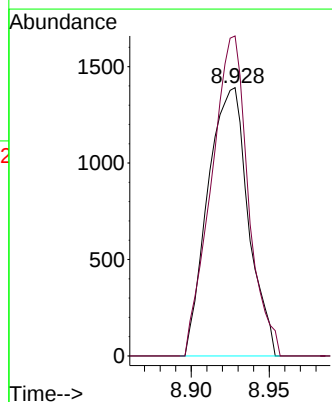
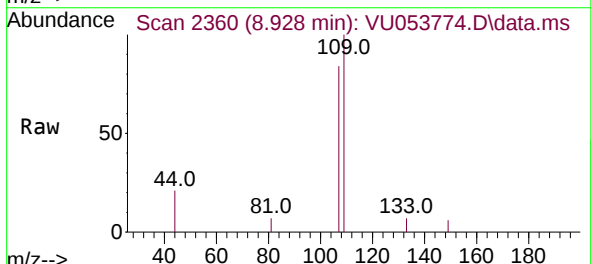
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

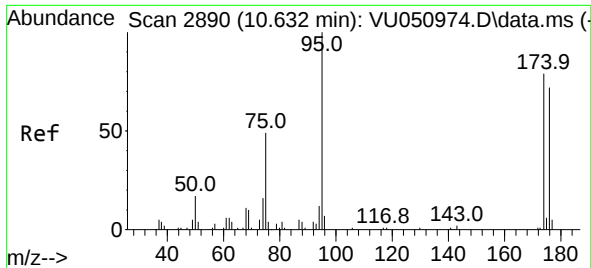
Tgt Ion:129 Resp: 3253  
Ion Ratio Lower Upper  
129 100  
127 65.5 61.4 92.0



#56  
1,2-Dibromoethane  
Concen: 0.423 ug/l  
RT: 8.928 min Scan# 2360  
Delta R.T. 0.006 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion:107 Resp: 2506  
Ion Ratio Lower Upper  
107 100  
109 109.1 0.0 184.4

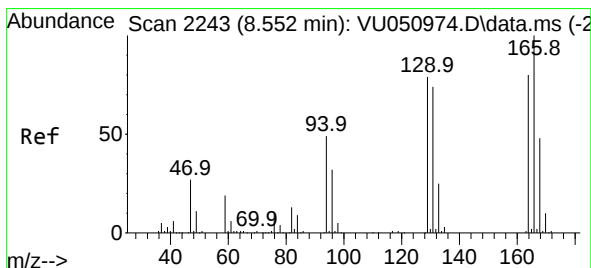
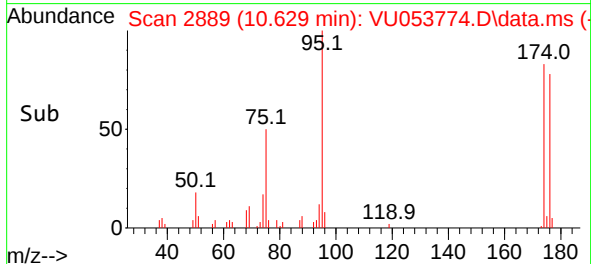
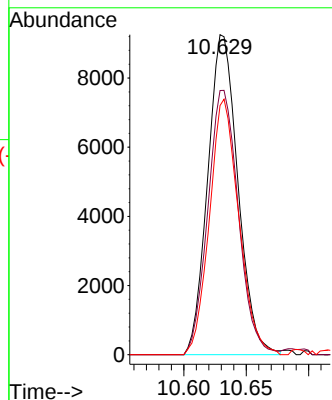
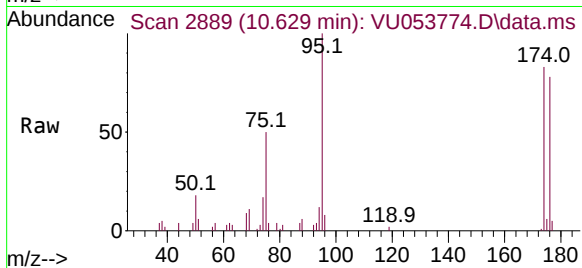




#57  
 4-Bromofluorobenzene  
 Concen: 1.366 ug/l  
 RT: 10.629 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VU053774.D  
 Acq: 19 Apr 2023 10:19

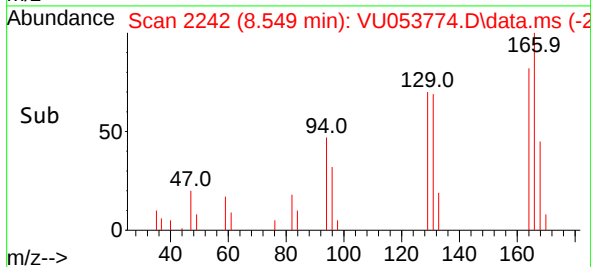
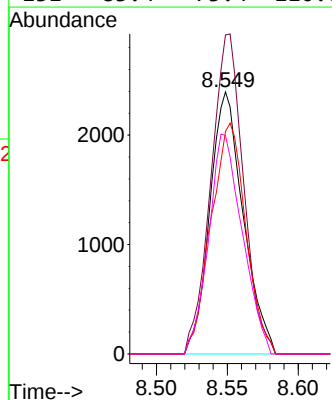
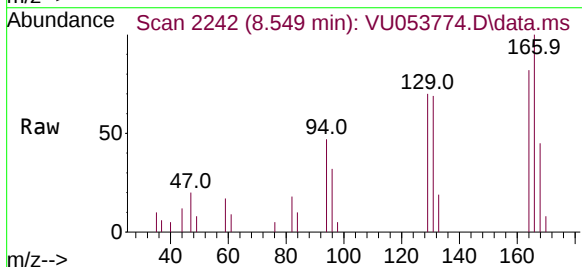
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

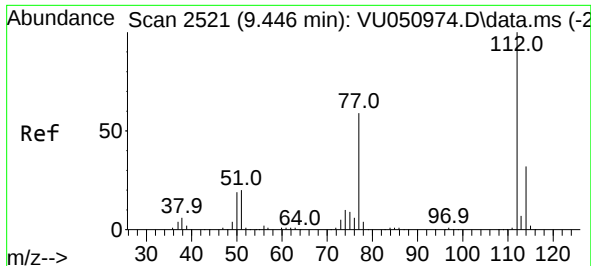
Tgt Ion: 95 Resp: 15603  
 Ion Ratio Lower Upper  
 95 100  
 174 83.1 63.3 94.9  
 176 77.7 59.3 88.9



#58  
 Tetrachloroethene  
 Concen: 0.469 ug/l  
 RT: 8.549 min Scan# 2242  
 Delta R.T. -0.000 min  
 Lab File: VU053774.D  
 Acq: 19 Apr 2023 10:19

Tgt Ion: 164 Resp: 3932  
 Ion Ratio Lower Upper  
 164 100  
 166 121.7 99.6 149.4  
 129 84.9 78.6 117.8  
 131 83.4 73.4 110.0





#59

Chlorobenzene

Concen: 0.426 ug/l

RT: 9.446 min Scan# 2521

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

Instrument :

MSVOA\_U

ClientSampleId :

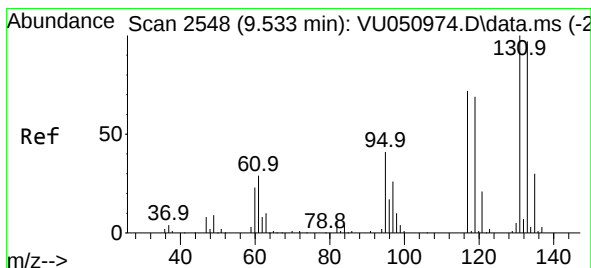
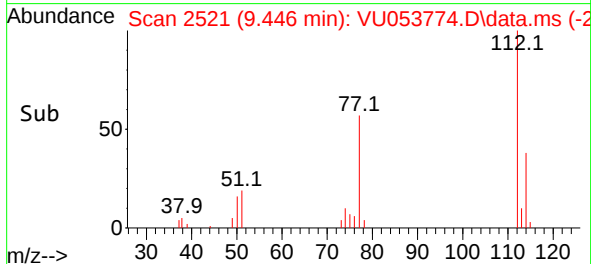
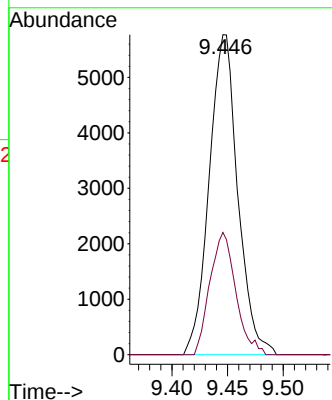
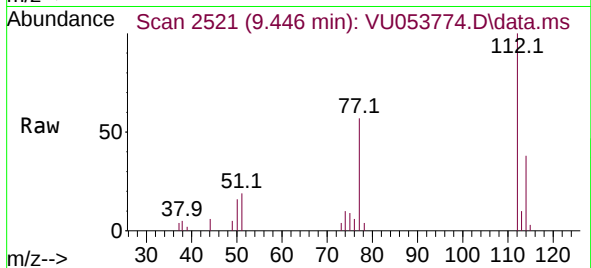
VSTDIC0.5

Tgt Ion:112 Resp: 10320

Ion Ratio Lower Upper

112 100

114 38.2 25.6 38.4



#60

1,1,1,2-Tetrachloroethane

Concen: 0.480 ug/l

RT: 9.533 min Scan# 2548

Delta R.T. 0.003 min

Lab File: VU053774.D

Acq: 19 Apr 2023 10:19

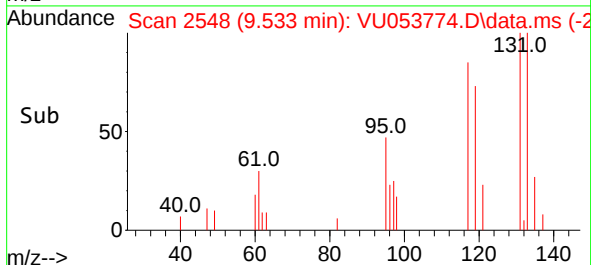
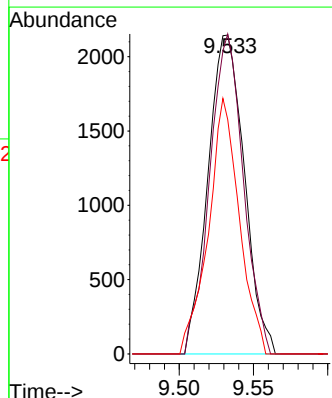
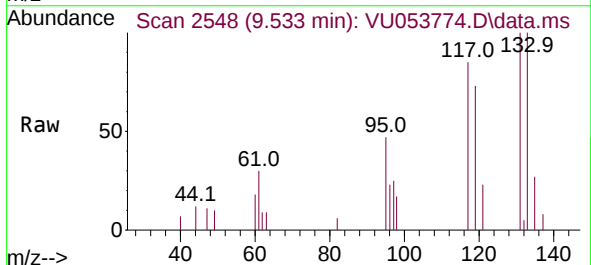
Tgt Ion:131 Resp: 3647

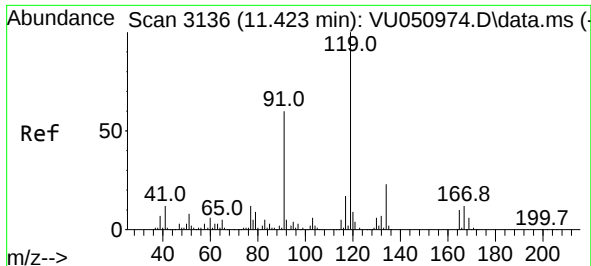
Ion Ratio Lower Upper

131 100

133 93.1 77.8 116.6

119 68.2 55.2 82.8

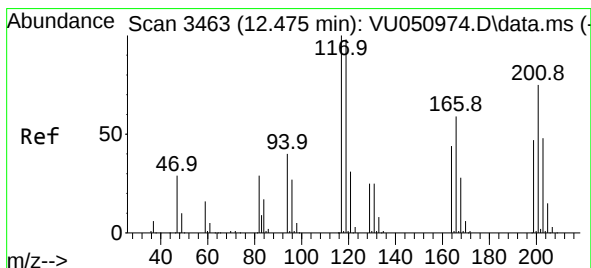
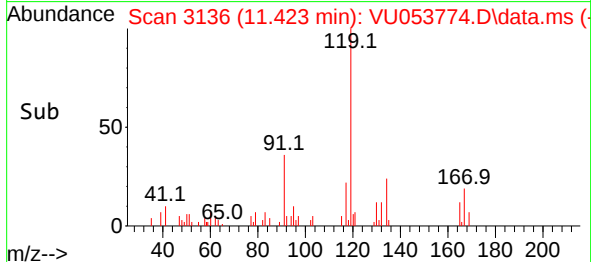
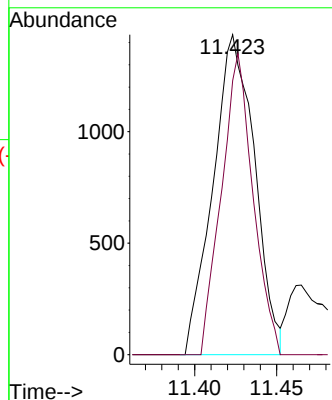
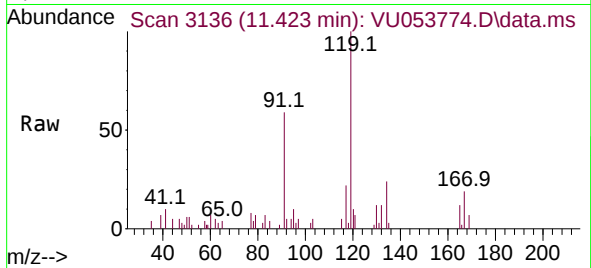




#61  
Pentachloroethane  
Concen: 0.459 ug/l  
RT: 11.423 min Scan# 3136  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

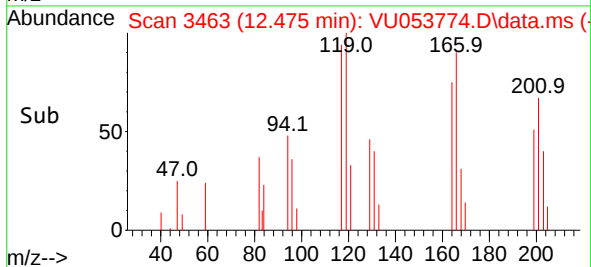
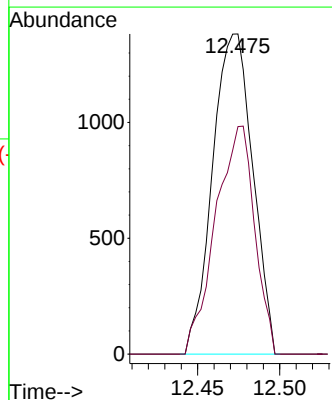
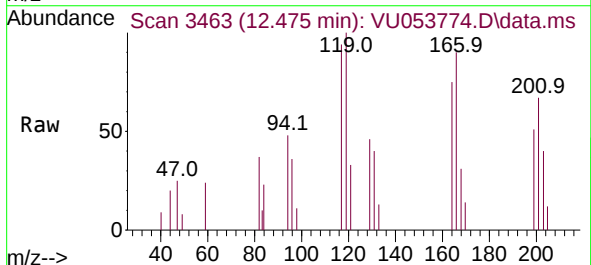
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

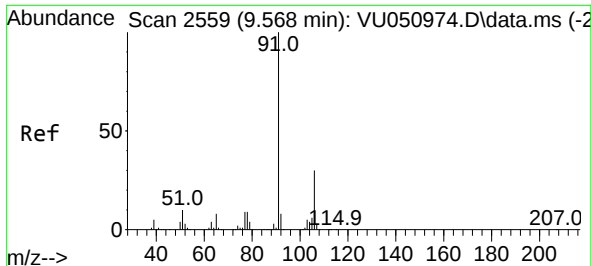
Tgt Ion:117 Resp: 2527  
Ion Ratio Lower Upper  
117 100  
167 71.5 56.7 85.1



#62  
Hexachloroethane  
Concen: 0.391 ug/l  
RT: 12.475 min Scan# 3463  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion:117 Resp: 2353  
Ion Ratio Lower Upper  
117 100  
201 69.1 59.6 89.4

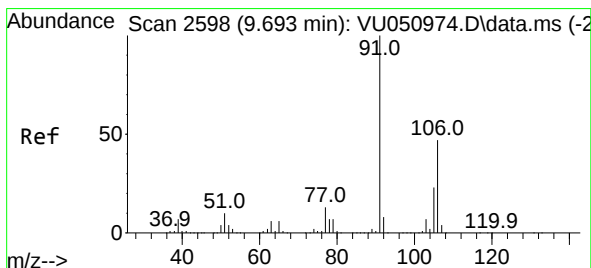
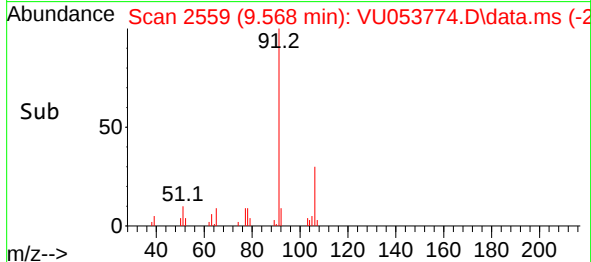
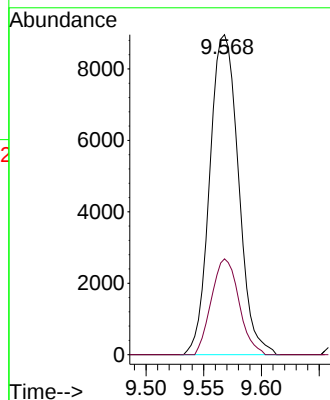
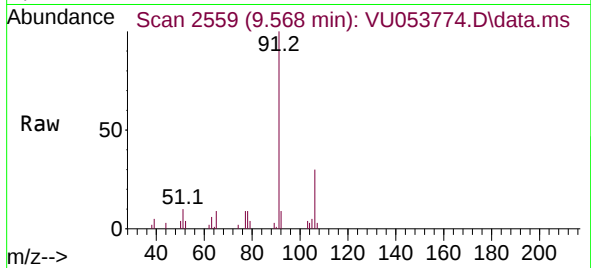




#63  
Ethyl Benzene  
Concen: 0.370 ug/l  
RT: 9.568 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

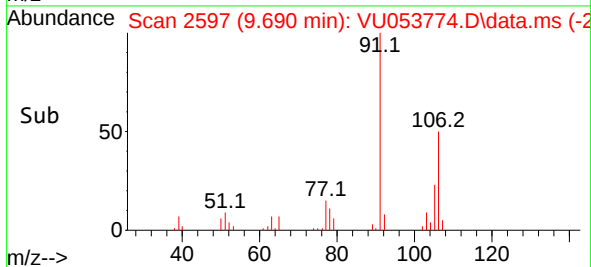
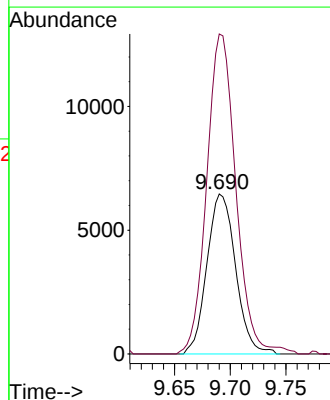
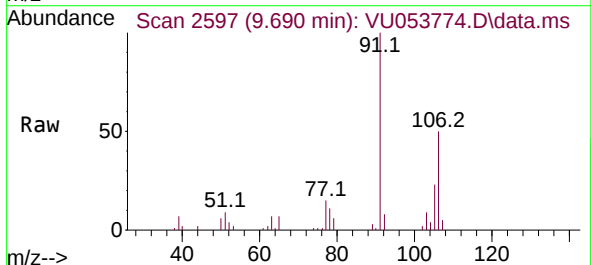
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

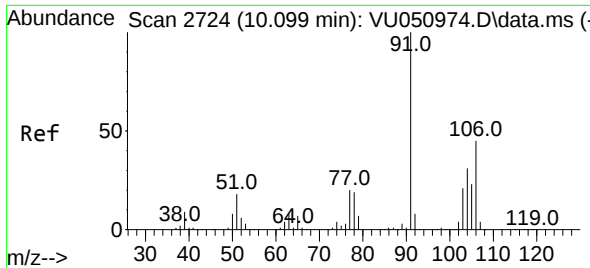
Tgt Ion: 91 Resp: 15488  
Ion Ratio Lower Upper  
91 100  
106 29.9 24.2 36.2



#64  
m/p-Xylenes  
Concen: 0.719 ug/l  
RT: 9.690 min Scan# 2597  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion: 106 Resp: 11580  
Ion Ratio Lower Upper  
106 100  
91 203.4 167.3 250.9

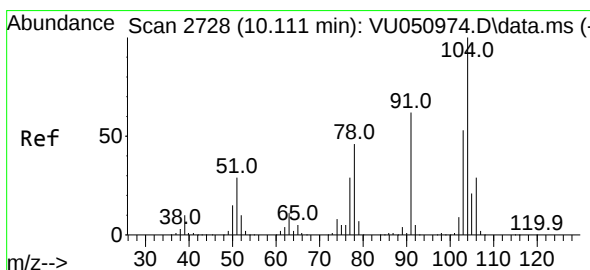
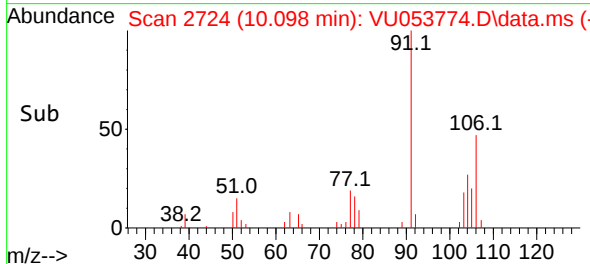
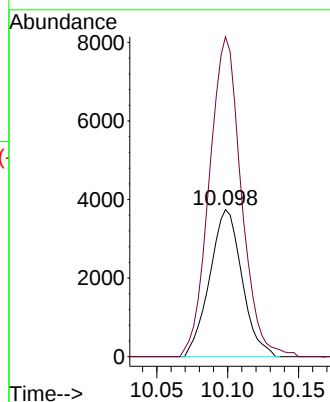
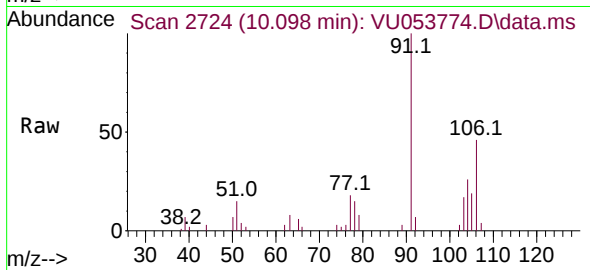




#65  
o-Xylene  
Concen: 0.374 ug/l  
RT: 10.098 min Scan# 2724  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

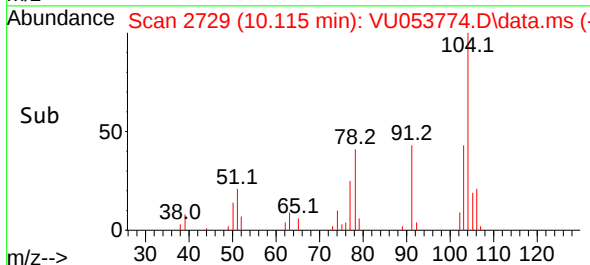
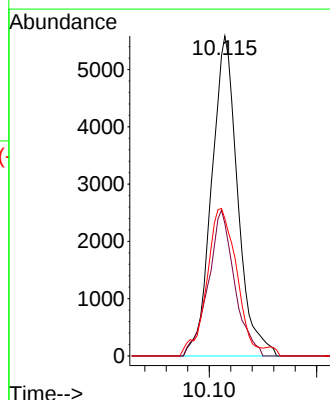
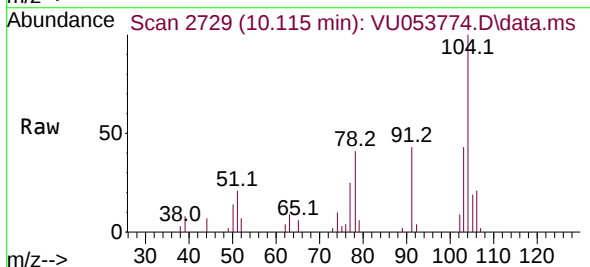
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

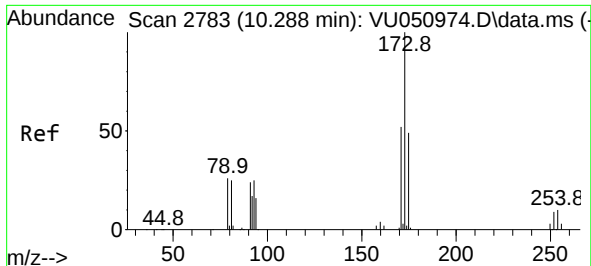
Tgt Ion:106 Resp: 5934  
Ion Ratio Lower Upper  
106 100  
91 215.6 109.3 327.9



#66  
Styrene  
Concen: 0.382 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion:104 Resp: 9362  
Ion Ratio Lower Upper  
104 100  
78 46.0 39.7 59.5  
103 52.8 44.8 67.2

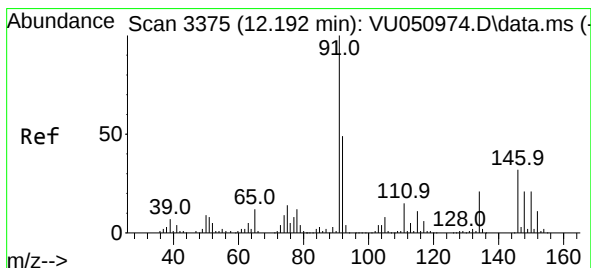
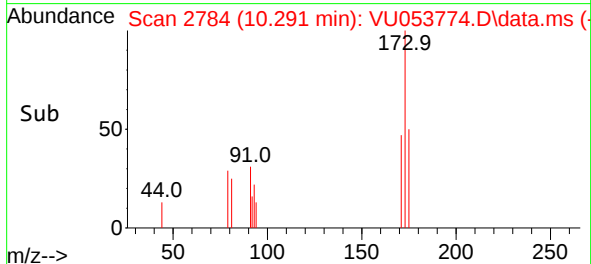
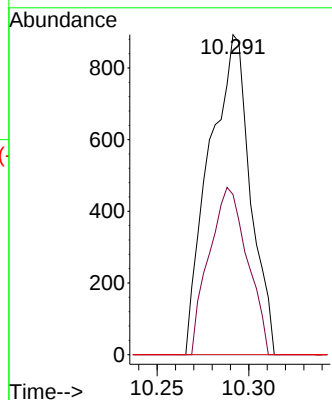
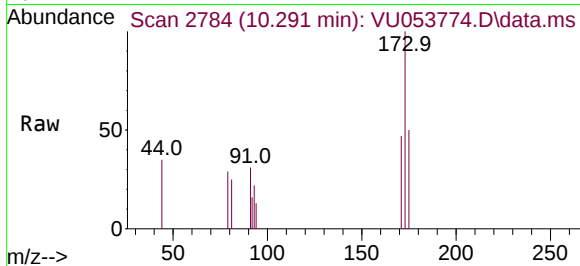




#67  
Bromoform  
Concen: 0.434 ug/l  
RT: 10.291 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

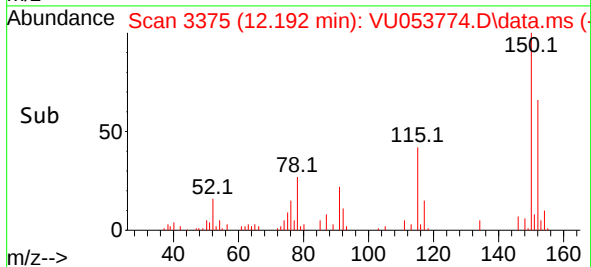
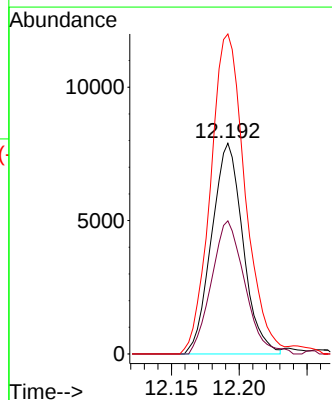
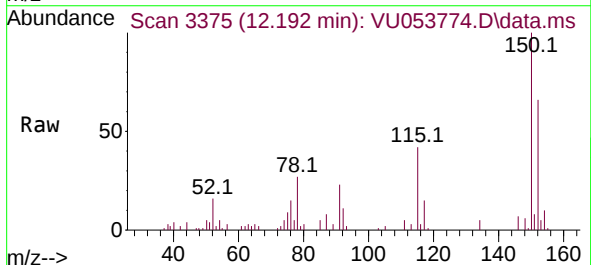
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

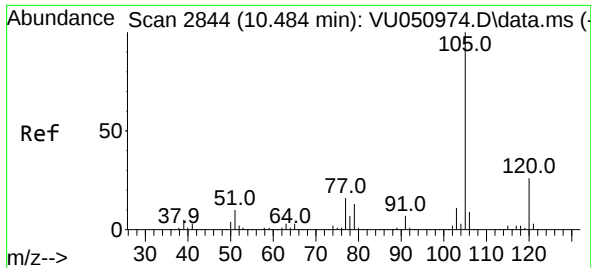
Tgt Ion:173 Resp: 1387  
Ion Ratio Lower Upper  
173 100  
175 49.0 39.0 58.6  
254 0.0 7.4 11.0#



#68  
1,2-Dichlorobenzene-d4  
Concen: 1.069 ug/l  
RT: 12.192 min Scan# 3375  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion:152 Resp: 12738  
Ion Ratio Lower Upper  
152 100  
115 66.8 0.0 308.8  
150 167.3 0.0 635.0

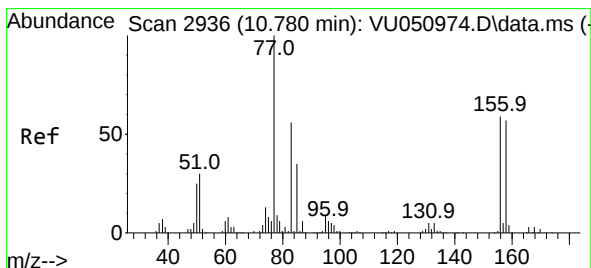
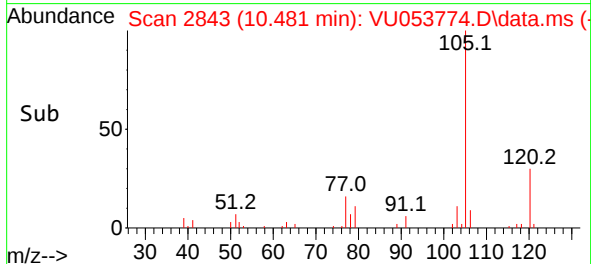
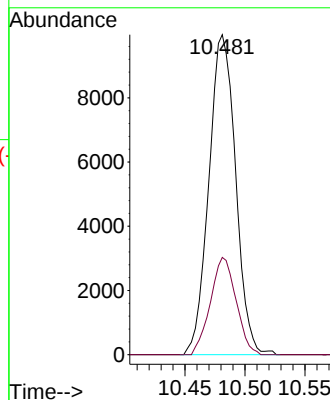
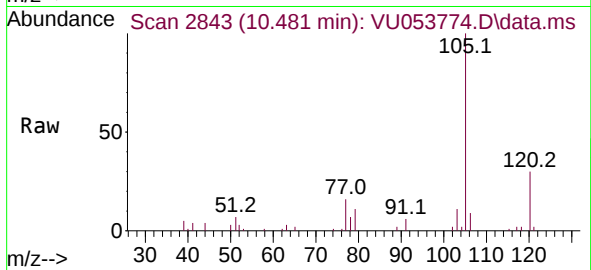




#69  
Isopropylbenzene  
Concen: 0.373 ug/l  
RT: 10.481 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

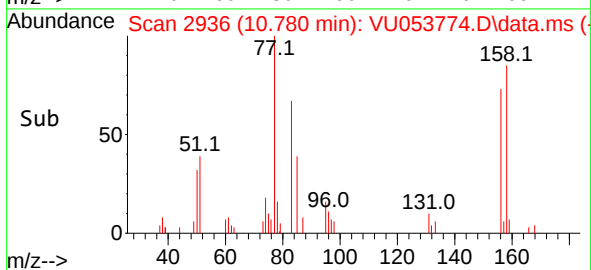
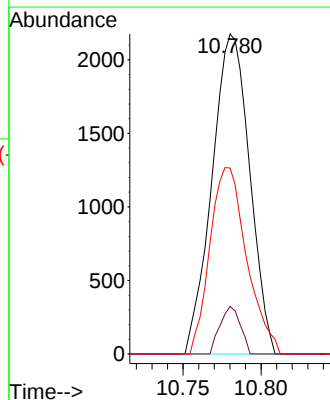
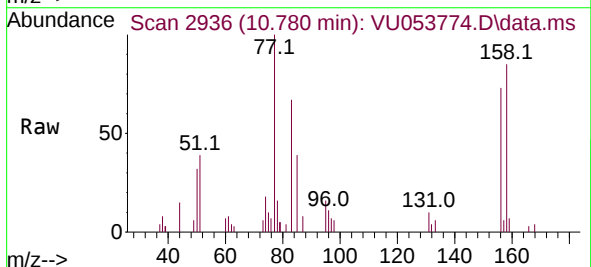
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

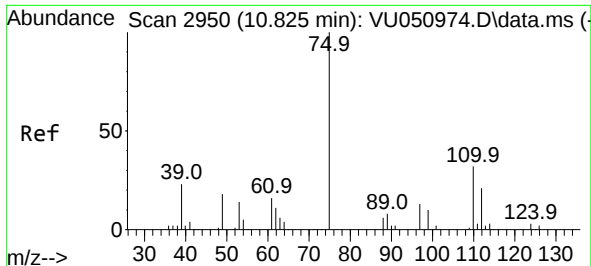
Tgt Ion:105 Resp: 15459  
Ion Ratio Lower Upper  
105 100  
120 29.1 12.8 38.4



#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.463 ug/l  
RT: 10.780 min Scan# 2936  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion: 83 Resp: 3649  
Ion Ratio Lower Upper  
83 100  
131 8.0 7.2 10.8  
85 56.9 50.5 75.7

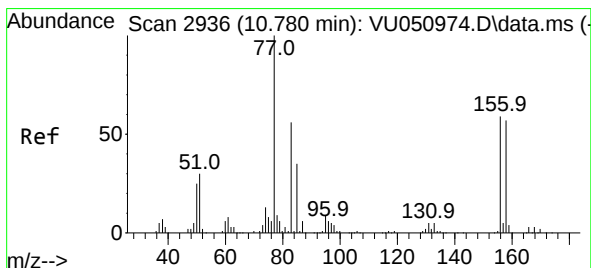
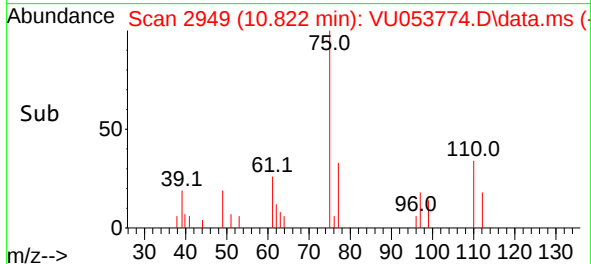
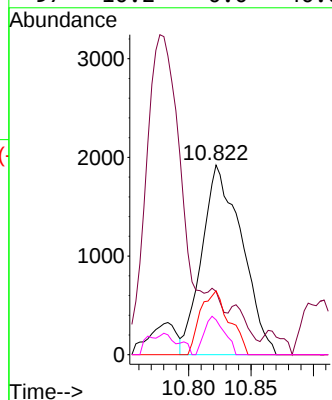
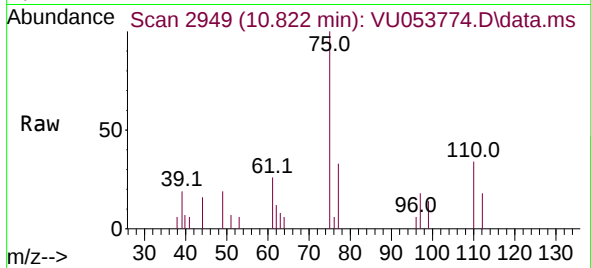




#71  
1,2,3-Trichloropropane  
Concen: 0.713 ug/l  
RT: 10.822 min Scan# 2949  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

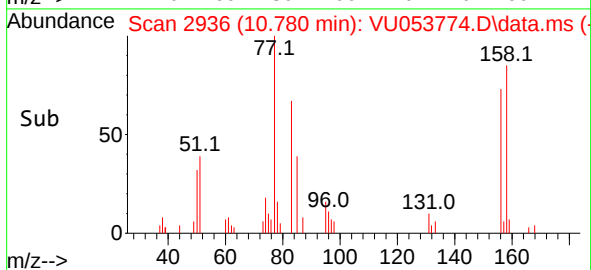
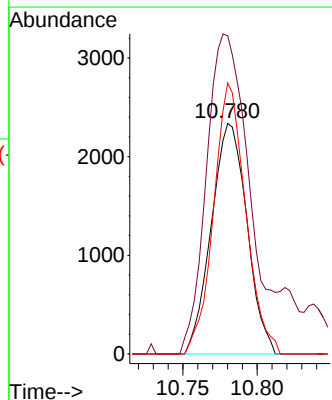
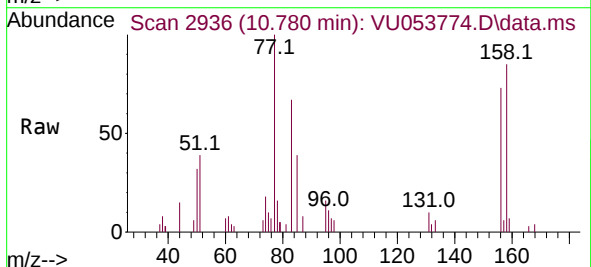
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

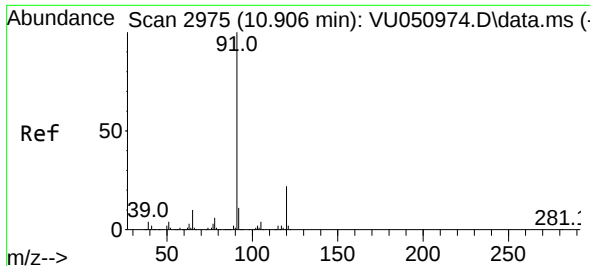
Tgt Ion: 75 Resp: 4273  
Ion Ratio Lower Upper  
75 100  
77 5.9 0.0 116.4  
110 24.4 0.0 74.6  
97 10.2 0.0 40.0



#72  
Bromobenzene  
Concen: 0.432 ug/l  
RT: 10.780 min Scan# 2936  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion: 156 Resp: 3903  
Ion Ratio Lower Upper  
156 100  
77 164.9 0.0 343.0  
158 105.8 0.0 194.8

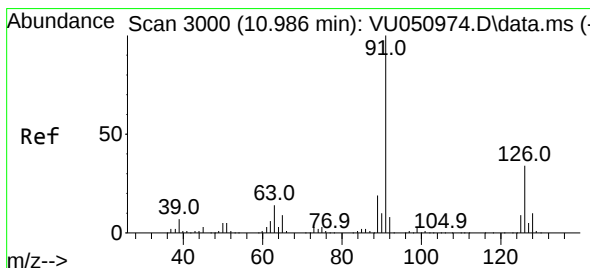
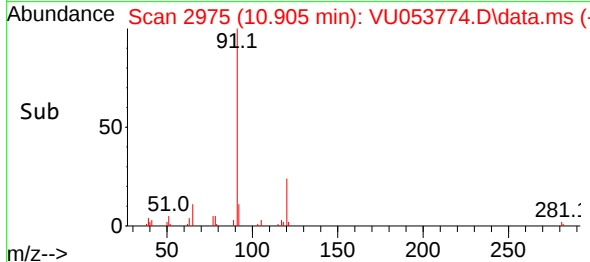
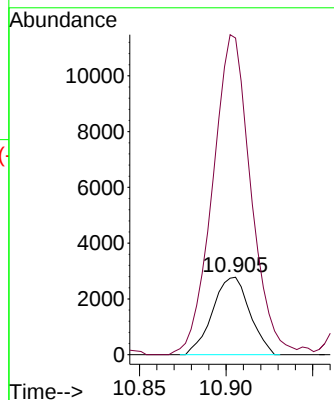
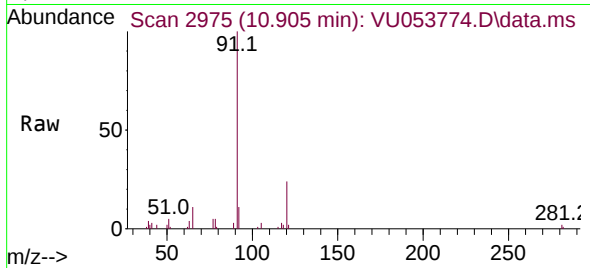




#73  
n-propylbenzene  
Concen: 0.373 ug/l  
RT: 10.905 min Scan# 2975  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

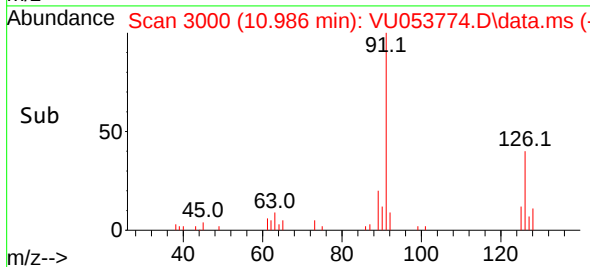
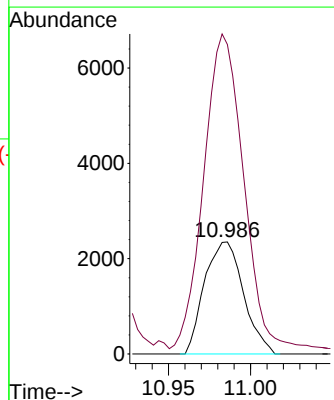
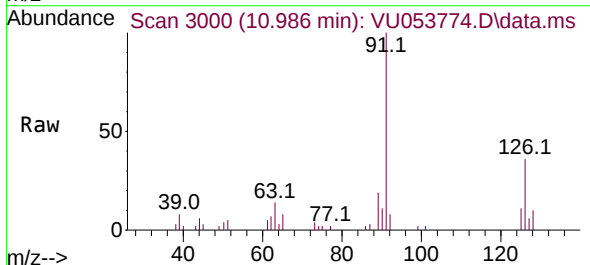
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

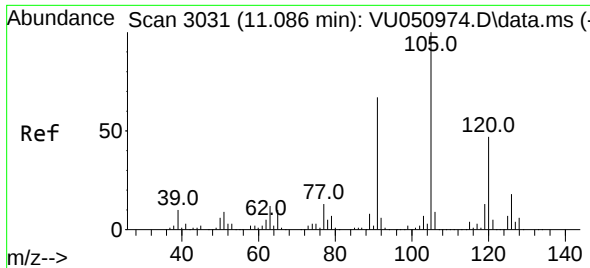
Tgt Ion:120 Resp: 4147  
Ion Ratio Lower Upper  
120 100  
91 427.2 369.8 554.6



#74  
2-Chlorotoluene  
Concen: 0.399 ug/l  
RT: 10.986 min Scan# 3000  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion:126 Resp: 3875  
Ion Ratio Lower Upper  
126 100  
91 303.1 0.0 610.0

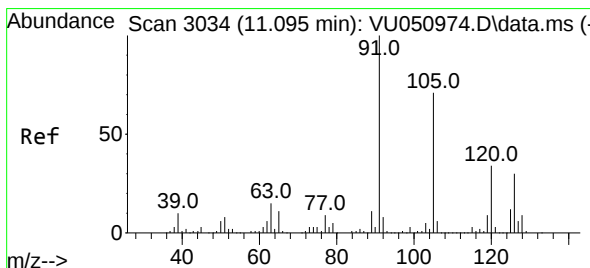
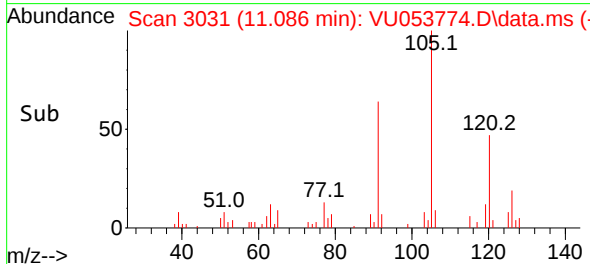
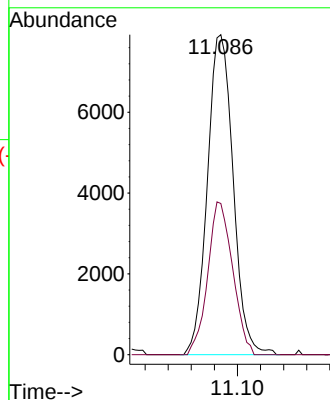
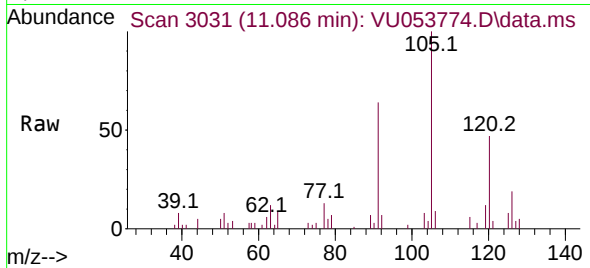




#75  
1,3,5-Trimethylbenzene  
Concen: 0.349 ug/l  
RT: 11.086 min Scan# 3031  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

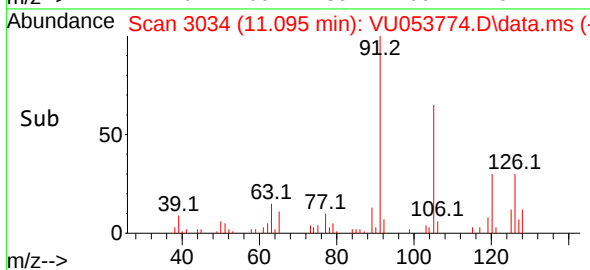
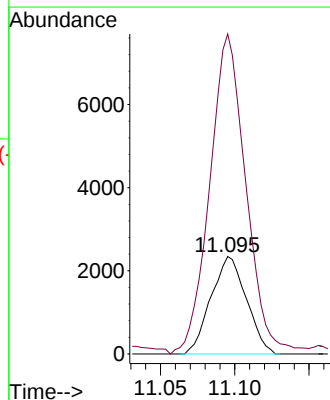
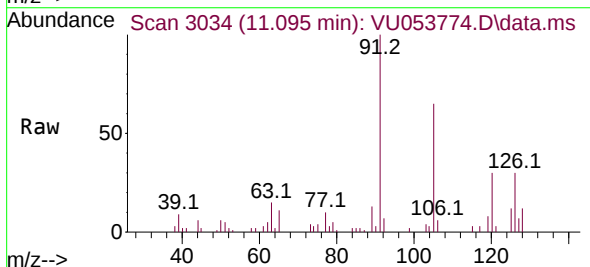
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

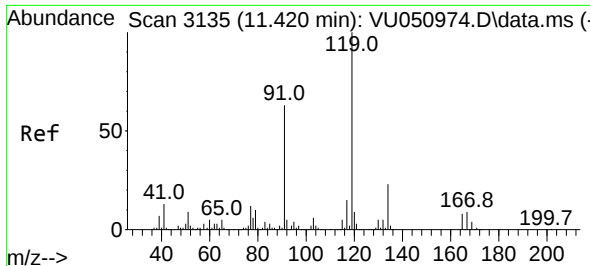
Tgt Ion:105 Resp: 12273  
Ion Ratio Lower Upper  
105 100  
120 46.1 37.8 56.8



#76  
4-Chlorotoluene  
Concen: 0.382 ug/l  
RT: 11.095 min Scan# 3034  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion:126 Resp: 3887  
Ion Ratio Lower Upper  
126 100  
91 336.4 0.0 686.2

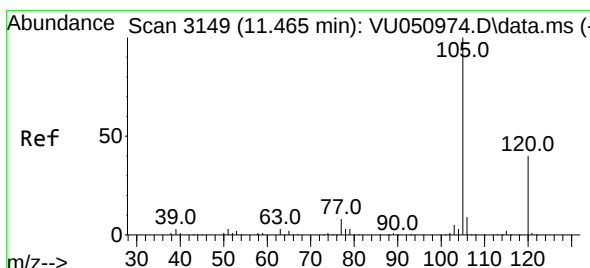
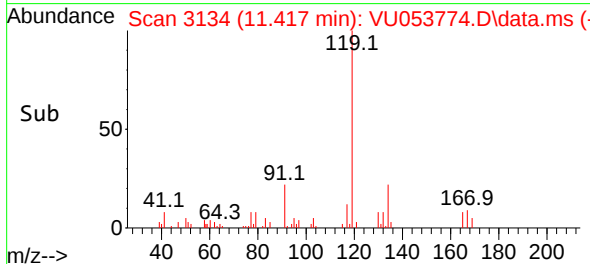
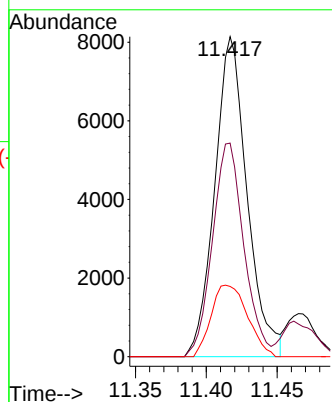
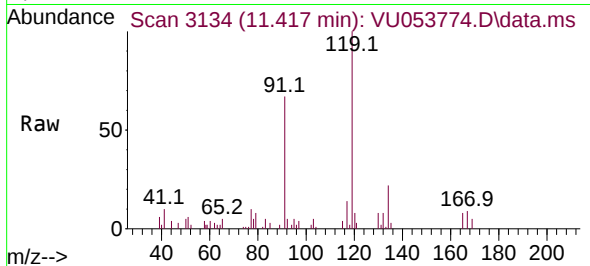




#77  
tert-Butylbenzene  
Concen: 0.389 ug/l  
RT: 11.417 min Scan# 3135  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

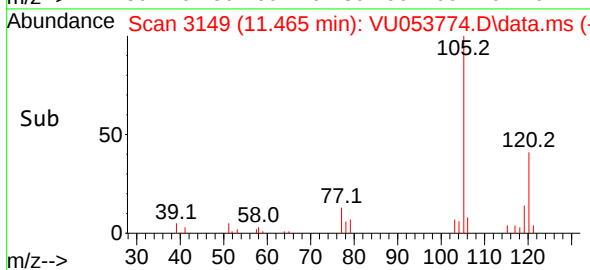
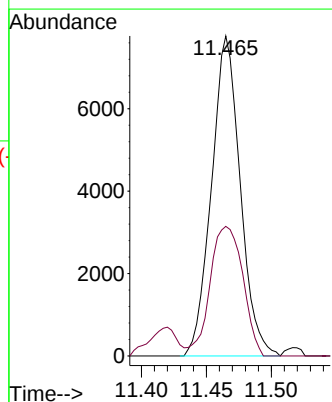
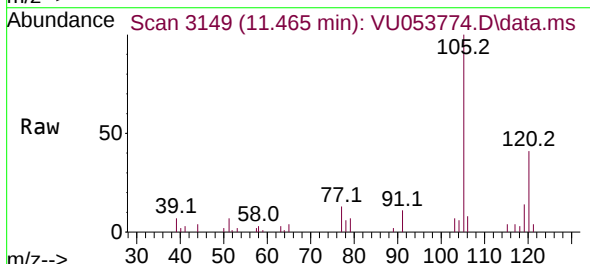
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

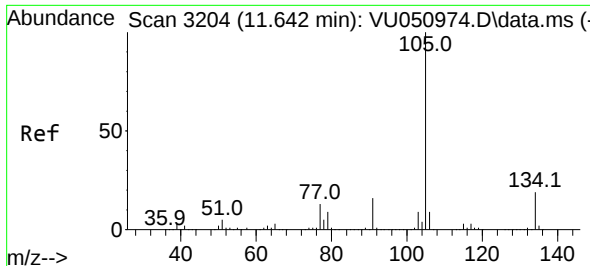
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:119 | Resp: | 12929     |
| Ion Ratio   | Lower | Upper     |
| 119         | 100   |           |
| 91          | 64.8  | 30.8 92.4 |
| 134         | 25.1  | 18.0 27.0 |



#78  
1,2,4-Trimethylbenzene  
Concen: 0.331 ug/l  
RT: 11.465 min Scan# 3149  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 11932     |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 46.3  | 21.9 65.8 |

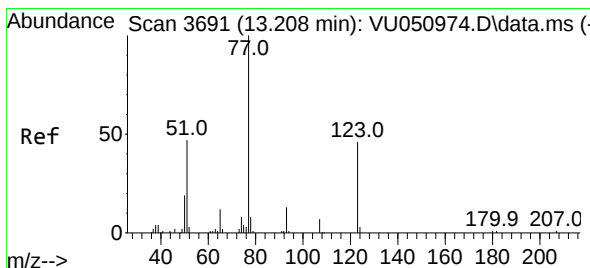
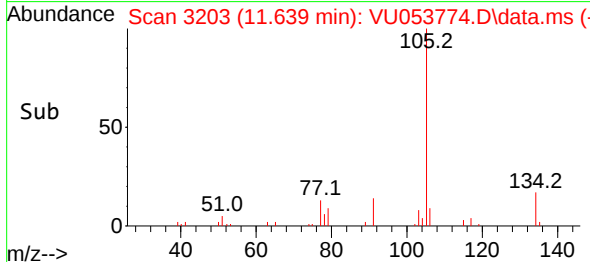
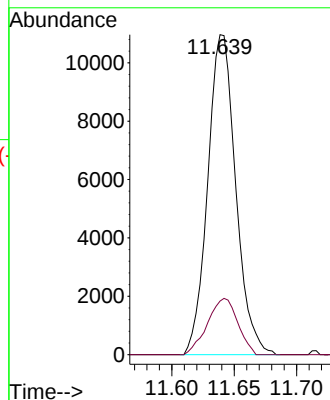
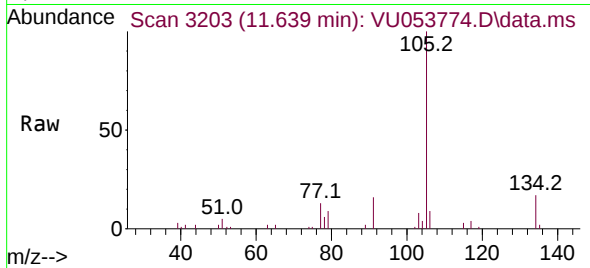




#79  
 sec-Butylbenzene  
 Concen: 0.364 ug/l  
 RT: 11.639 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU053774.D  
 Acq: 19 Apr 2023 10:19

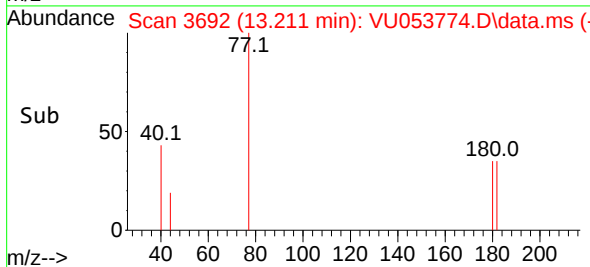
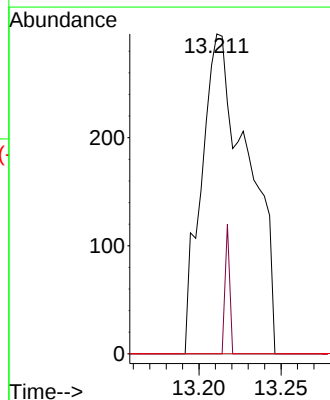
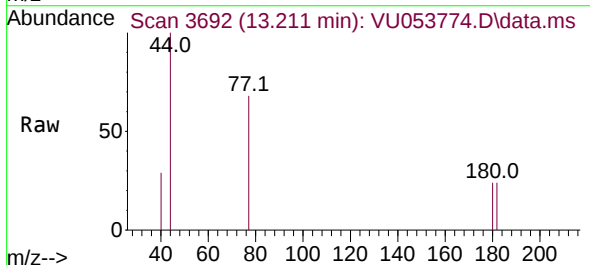
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

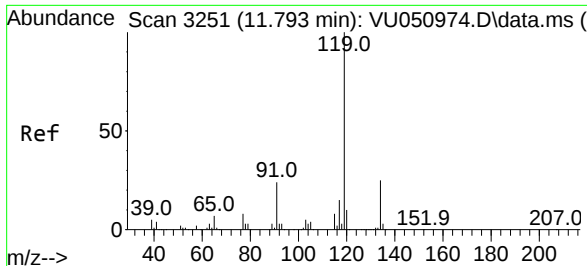
Tgt Ion:105 Resp: 17169  
 Ion Ratio Lower Upper  
 105 100  
 134 19.0 14.9 22.3



#80  
 Nitrobenzene  
 Concen: 2.782 ug/l  
 RT: 13.211 min Scan# 3692  
 Delta R.T. 0.009 min  
 Lab File: VU053774.D  
 Acq: 19 Apr 2023 10:19

Tgt Ion: 77 Resp: 586  
 Ion Ratio Lower Upper  
 77 100  
 123 3.9 19.7 69.7#  
 65 0.0 11.5 14.7#

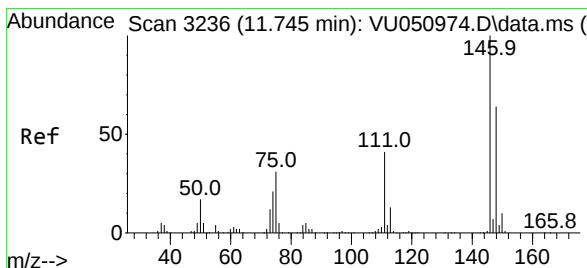
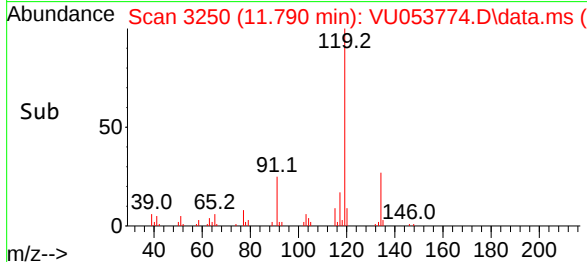
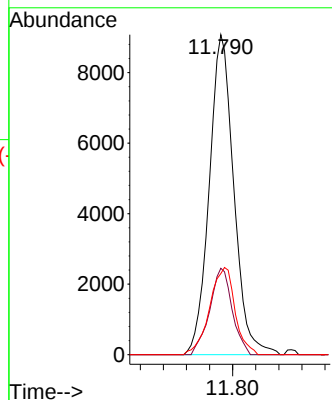
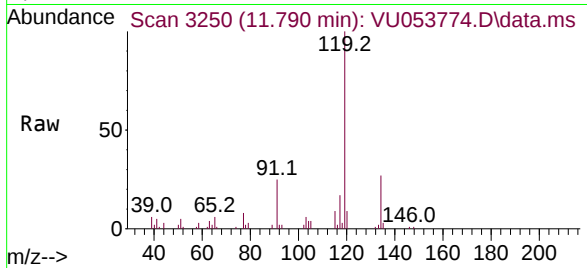




#81  
p-Isopropyltoluene  
Concen: 0.357 ug/l  
RT: 11.790 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

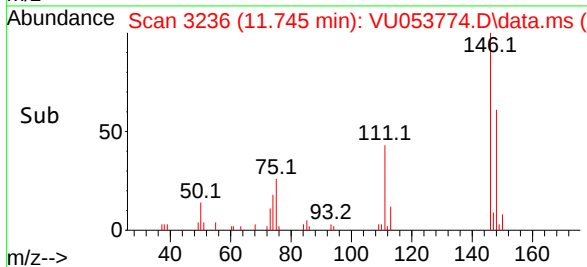
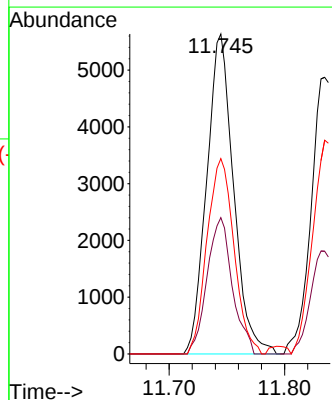
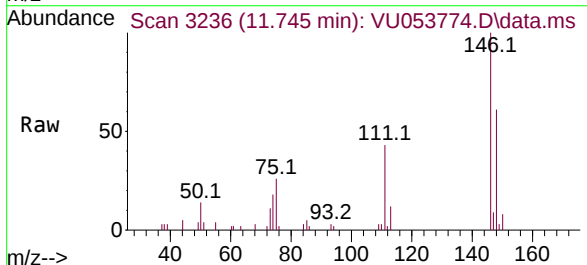
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

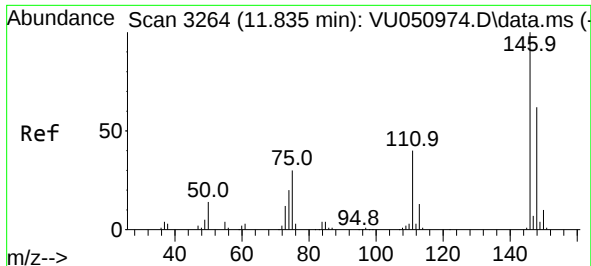
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 13393 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 134       | 24.7  | 20.2  | 30.4  |
| 91        | 28.2  | 19.3  | 28.9  |



#82  
1,3-Dichlorobenzene  
Concen: 0.472 ug/l  
RT: 11.745 min Scan# 3236  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 9098 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 40.0  | 32.6  | 49.0 |
| 148       | 61.3  | 51.0  | 76.4 |

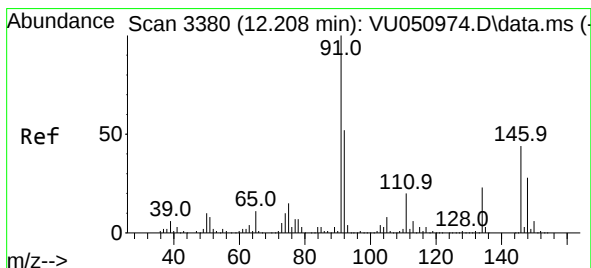
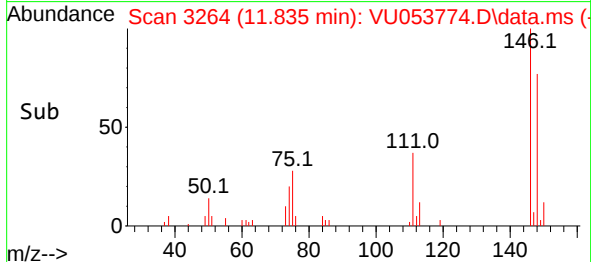
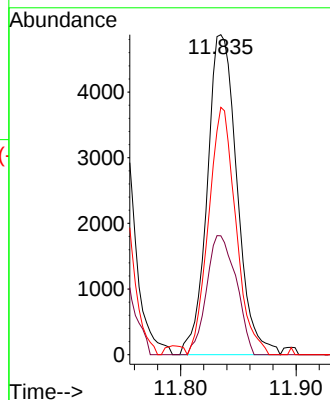
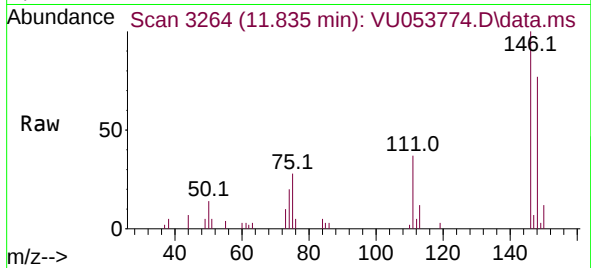




#83  
1,4-Dichlorobenzene  
Concen: 0.446 ug/l  
RT: 11.835 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

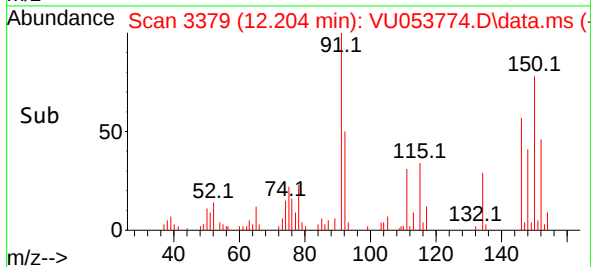
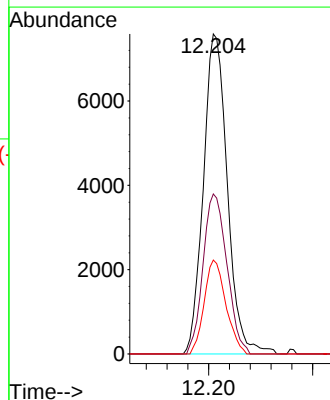
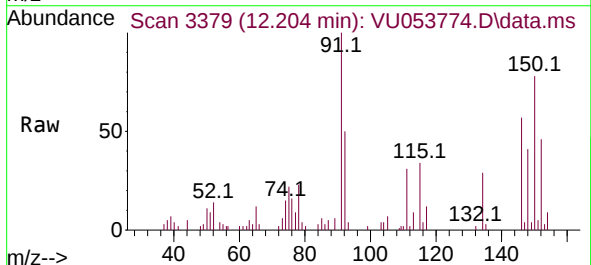
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

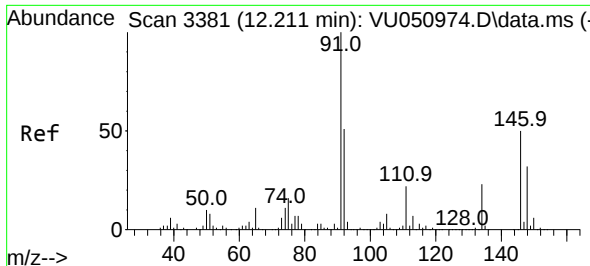
Tgt Ion:146 Resp: 8753  
Ion Ratio Lower Upper  
146 100  
111 36.8 31.6 47.4  
148 70.6 50.3 75.5



#84  
n-Butylbenzene  
Concen: 0.333 ug/l  
RT: 12.204 min Scan# 3379  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Tgt Ion: 91 Resp: 12135  
Ion Ratio Lower Upper  
91 100  
92 49.7 40.8 61.2  
134 26.5 18.4 27.6

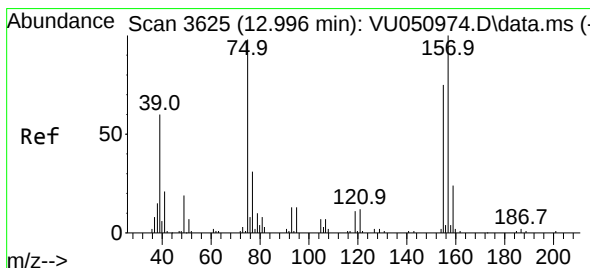
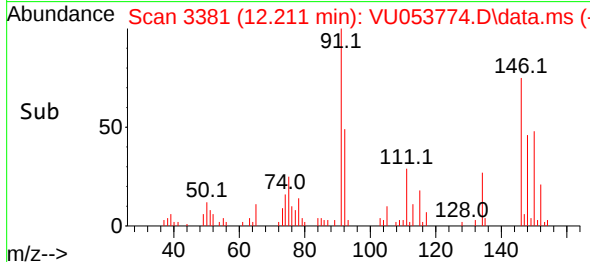
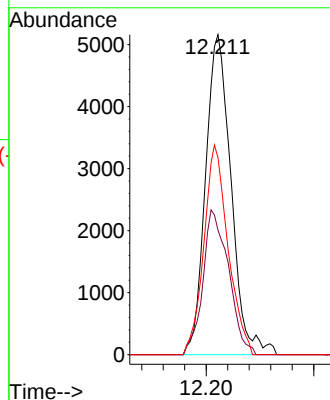
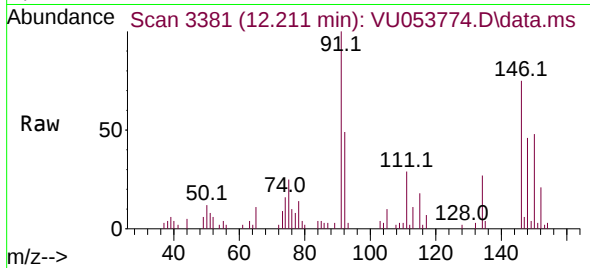




#85  
 1,2-Dichlorobenzene  
 Concen: 0.459 ug/l  
 RT: 12.211 min Scan# 3381  
 Delta R.T. 0.003 min  
 Lab File: VU053774.D  
 Acq: 19 Apr 2023 10:19

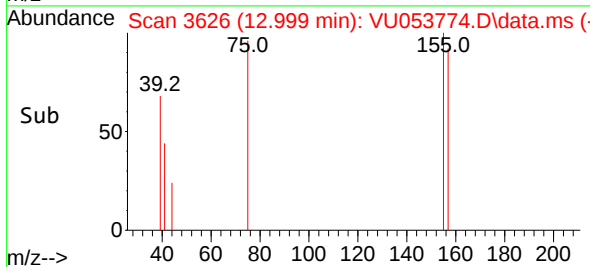
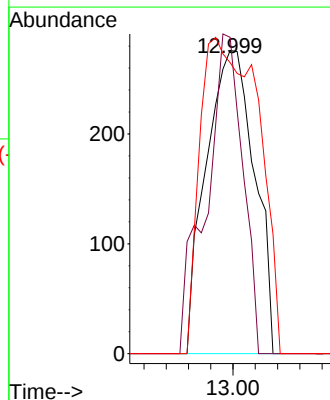
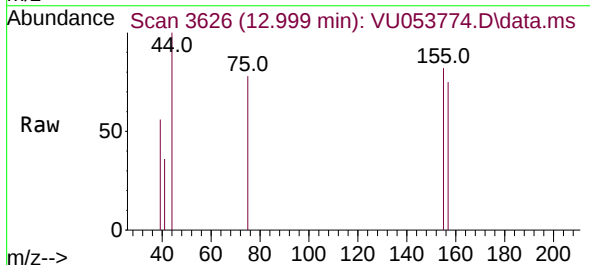
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

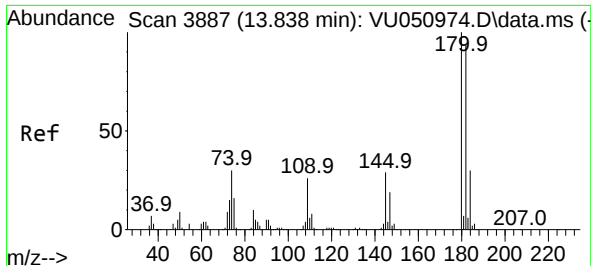
Tgt Ion:146 Resp: 8506  
 Ion Ratio Lower Upper  
 146 100  
 111 45.5 21.6 64.6  
 148 62.0 32.1 96.5



#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.346 ug/l  
 RT: 12.999 min Scan# 3626  
 Delta R.T. 0.006 min  
 Lab File: VU053774.D  
 Acq: 19 Apr 2023 10:19

Tgt Ion: 75 Resp: 417  
 Ion Ratio Lower Upper  
 75 100  
 155 79.9 61.8 92.8  
 157 125.4 80.2 120.4#

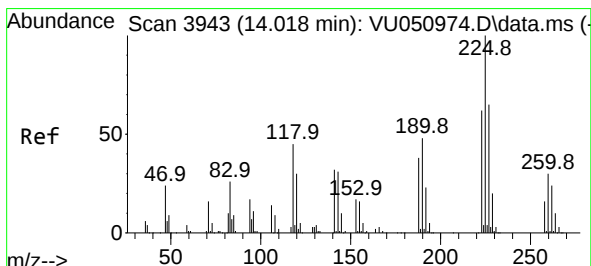
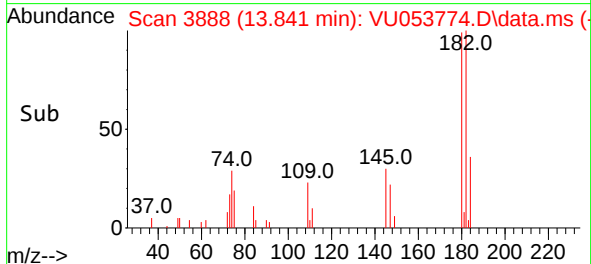
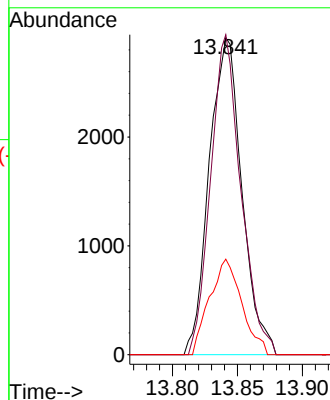
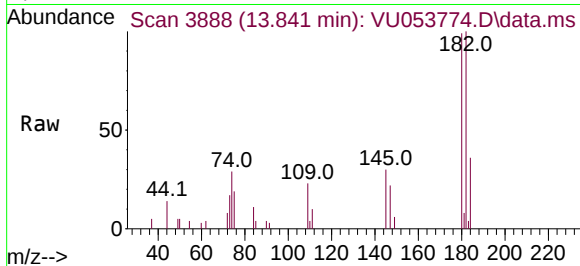




#87  
1,2,4-Trichlorobenzene  
Concen: 0.461 ug/l  
RT: 13.841 min Scan# 3887  
Delta R.T. 0.006 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

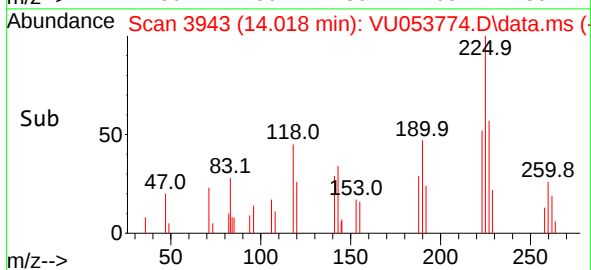
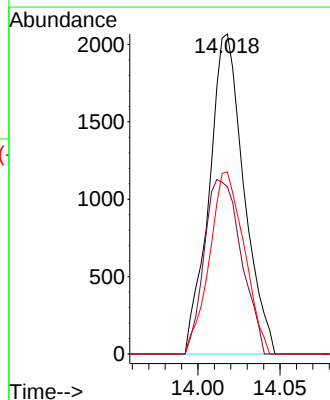
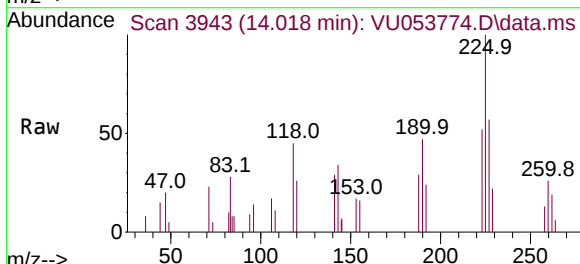
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MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

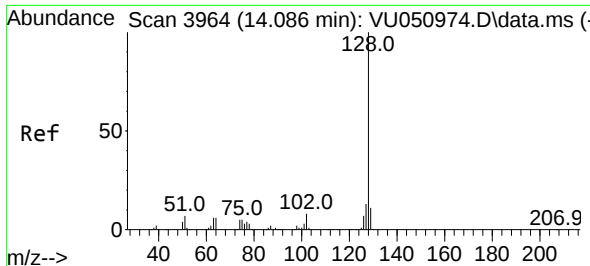
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 5085  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.4  | 75.8  | 113.6 |
| 145       | 29.8  | 23.9  | 35.9  |



#88  
Hexachlorobutadiene  
Concen: 0.554 ug/l  
RT: 14.018 min Scan# 3943  
Delta R.T. -0.000 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 3035 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 58.2  | 50.2  | 75.4 |
| 227       | 56.9  | 51.5  | 77.3 |

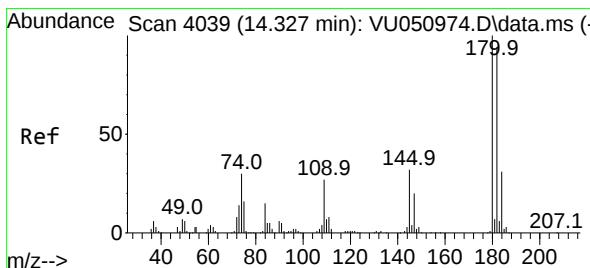
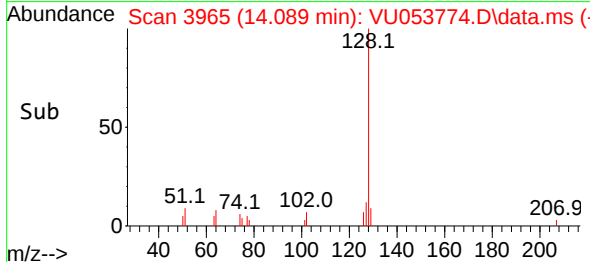
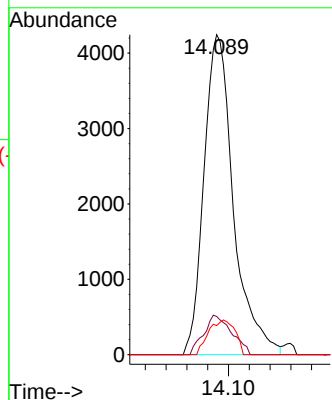
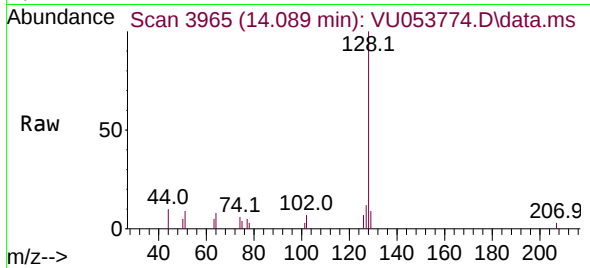




#89  
Naphthalene  
Concen: 0.382 ug/l  
RT: 14.089 min Scan# 3964  
Delta R.T. 0.006 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 8353      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 11.7  | 10.9 16.3 |
| 129         | 9.7   | 8.6 12.8  |



#90  
1,2,3-Trichlorobenzene  
Concen: 0.443 ug/l  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.006 min  
Lab File: VU053774.D  
Acq: 19 Apr 2023 10:19

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 4343       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 99.8  | 75.7 113.5 |
| 145         | 38.5  | 26.1 39.1  |

