

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081022\Not Reviewed Data\  
 Data File : VU050208.D  
 Acq On : 10 Aug 2022 09:23  
 Operator : SY/MD  
 Sample : VSTDICC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Aug 10 15:55:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U081022DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Aug 10 15:54:10 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units    | Dev(Min) |
|------------------------------|--------|------|----------|-------|----------|----------|
| -----                        |        |      |          |       |          |          |
| Internal Standards           |        |      |          |       |          |          |
| 1) Fluorobenzene             | 6.115  | 96   | 26903    | 1.000 | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |          |          |
| 57) 4-Bromofluorobenzene     | 10.635 | 95   | 9326     | 1.011 | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 101.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.195 | 152  | 9088     | 0.974 | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 97.000%  |          |
| Target Compounds             |        |      |          |       |          |          |
|                              |        |      |          |       |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385  | 85   | 5579     | 0.576 | ug/l     | 98       |
| 3) Chloromethane             | 1.517  | 50   | 7603     | 0.626 | ug/l     | 96       |
| 4) Vinyl Chloride            | 1.600  | 62   | 5894     | 0.546 | ug/l     | 96       |
| 5) Bromomethane              | 1.854  | 94   | 1914     | 0.589 | ug/l     | 90       |
| 6) Chloroethane              | 1.932  | 64   | 3629     | 0.556 | ug/l     | 99       |
| 7) Trichlorofluoromethane    | 2.134  | 101  | 6733     | 0.569 | ug/l     | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101  | 3439     | 0.547 | ug/l     | 97       |
| 9) 1,1-Dichloroethene        | 2.578  | 96   | 4041     | 0.567 | ug/l     | 93       |
| 10) Iodomethane              | 2.723  | 142  | 2621     | 0.441 | ug/l     | 94       |
| 11) Allyl Chloride           | 2.925  | 41   | 5302     | 0.536 | ug/l     | 96       |
| 12) Acrylonitrile            | 3.337  | 53   | 1894     | 1.001 | ug/l     | # 82     |
| 13) Acetone                  | 2.655  | 43   | 4053     | 2.867 | ug/l     | 100      |
| 14) Carbon Disulfide         | 2.790  | 76   | 16588    | 0.614 | ug/l     | 99       |
| 15) Methylene Chloride       | 3.044  | 84   | 7569     | 0.708 | ug/l     | 92       |
| 16) trans-1,2-Dichloroethene | 3.353  | 96   | 4223     | 0.535 | ug/l     | 88       |
| 17) 1,1-Dichloroethane       | 3.867  | 63   | 8311     | 0.558 | ug/l     | 99       |
| 18) 2-Butanone               | 4.735  | 43   | 6285     | 2.746 | ug/l     | 95       |
| 19) Cyclohexane              | 5.388  | 56   | 4283     | 0.430 | ug/l     | # 87     |
| 20) Methylcyclohexane        | 6.764  | 83   | 4713     | 0.481 | ug/l     | 96       |
| 21) 2,2-Dichloropropane      | 4.665  | 77   | 7049     | 0.628 | ug/l     | # 88     |
| 22) cis-1,2-Dichloroethene   | 4.668  | 96   | 5041     | 0.566 | ug/l     | 99       |
| 23) Diethyl Ether            | 2.375  | 59   | 3767     | 0.592 | ug/l     | 98       |
| 24) tert-Butyl Alcohol       | 3.192  | 59   | 4009     | 8.335 | ug/l     | # 1      |
| 25) Methyl tert-Butyl Ether  | 3.366  | 73   | 9927     | 0.542 | ug/l     | 95       |
| 26) Bromochloromethane       | 4.977  | 128  | 2292     | 0.558 | ug/l     | 91       |
| 27) Chloroform               | 5.092  | 83   | 8855     | 0.576 | ug/l     | 96       |
| 28) 1,1,1-Trichloroethane    | 5.317  | 97   | 6745     | 0.558 | ug/l     | 96       |
| 29) 1,1-Dichloropropene      | 5.526  | 75   | 5135     | 0.512 | ug/l     | 98       |
| 30) Carbon Tetrachloride     | 5.526  | 117  | 5337     | 0.537 | ug/l     | 94       |
| 31) Isopropyl Ether          | 3.993  | 45   | 10168    | 0.504 | ug/l     | 86       |
| 32) Ethyl-t-butyl ether      | 4.504  | 59   | 10088    | 0.522 | ug/l     | 98       |
| 33) Tert-Amyl methyl ether   | 5.944  | 73   | 8422     | 0.494 | ug/l     | 98       |
| 34) Propionitrile            | 4.819  | 54   | 1149     | 1.420 | ug/l     | # 75     |
| 35) Benzene                  | 5.777  | 78   | 17701    | 0.532 | ug/l     | 93       |
| 36) 1,2-Dichloroethane       | 5.796  | 62   | 5410     | 0.563 | ug/l     | 98       |
| 37) Trichloroethene          | 6.546  | 130  | 4455     | 0.564 | ug/l     | 97       |
| 38) 1,2-Dichloropropane      | 6.793  | 63   | 5104     | 0.560 | ug/l     | 97       |
| 39) Methacrylonitrile        | 4.983  | 41   | 774      | 0.306 | ug/l     | # 70     |
| 40) Methyl acrylate          | 4.867  | 55   | 2397     | 0.487 | ug/l     | # 75     |
| 41) Tetrahydrofuran          | 5.073  | 42   | 885      | 0.586 | ug/l     | # 59     |
| 42) 1-Chlorobutane           | 5.459  | 56   | 7034     | 0.502 | ug/l     | 96       |
| 43) Dibromomethane           | 6.922  | 93   | 2600     | 0.551 | ug/l     | 98       |
| 44) Bromodichloromethane     | 7.108  | 83   | 6008     | 0.543 | ug/l     | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081022\Not Reviewed Data\  
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 Acq On : 10 Aug 2022 09:23  
 Operator : SY/MD  
 Sample : VSTDICC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

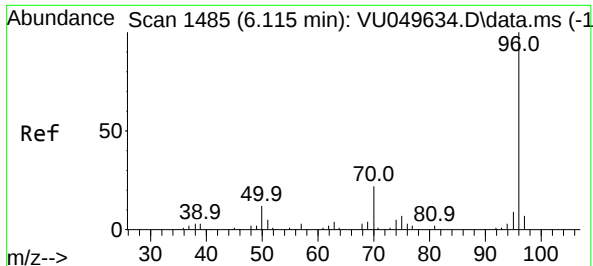
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Aug 10 15:55:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U081022DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Aug 10 15:54:10 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.796  | 43   | 13492    | 2.579 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.825 | 75   | 4989     | 2.411 | ug/l # | 42       |
| 47) Methyl methacrylate       | 6.970  | 69   | 3839     | 0.937 | ug/l   | 91       |
| 48) Ethyl methacrylate        | 8.337  | 69   | 3711     | 0.494 | ug/l   | 87       |
| 49) Toluene                   | 7.970  | 92   | 9209     | 0.490 | ug/l   | 98       |
| 50) t-1,3-Dichloropropene     | 8.214  | 75   | 5055     | 0.521 | ug/l   | 97       |
| 51) cis-1,3-Dichloropropene   | 7.610  | 75   | 6063     | 0.529 | ug/l   | 92       |
| 52) 1,1,2-Trichloroethane     | 8.404  | 97   | 3679     | 0.547 | ug/l   | 94       |
| 53) 1,3-Dichloropropane       | 8.578  | 76   | 6076     | 0.536 | ug/l   | 95       |
| 54) 2-Hexanone                | 8.693  | 43   | 9842     | 2.666 | ug/l   | 97       |
| 55) Dibromochloromethane      | 8.812  | 129  | 4305     | 0.576 | ug/l   | 97       |
| 56) 1,2-Dibromoethane         | 8.925  | 107  | 3291     | 0.533 | ug/l   | 100      |
| 58) Tetrachloroethene         | 8.555  | 164  | 3625     | 0.542 | ug/l   | 95       |
| 59) Chlorobenzene             | 9.449  | 112  | 10722    | 0.537 | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 4273     | 0.547 | ug/l   | 98       |
| 61) Pentachloroethane         | 11.426 | 117  | 3467     | 0.546 | ug/l   | 88       |
| 62) Hexachloroethane          | 12.475 | 117  | 2511     | 0.501 | ug/l   | 92       |
| 63) Ethyl Benzene             | 9.571  | 91   | 14958    | 0.462 | ug/l   | 98       |
| 64) m/p-Xylenes               | 9.693  | 106  | 10802    | 0.878 | ug/l   | 97       |
| 65) o-Xylene                  | 10.102 | 106  | 5393     | 0.449 | ug/l   | 98       |
| 66) Styrene                   | 10.115 | 104  | 7945     | 0.414 | ug/l   | 99       |
| 67) Bromoform                 | 10.295 | 173  | 2411     | 0.558 | ug/l # | 88       |
| 69) Isopropylbenzene          | 10.488 | 105  | 13345    | 0.444 | ug/l   | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 4911     | 0.543 | ug/l   | 95       |
| 71) 1,2,3-Trichloropropane    | 10.825 | 75   | 4989     | 0.751 | ug/l   | 74       |
| 72) Bromobenzene              | 10.783 | 156  | 4113     | 0.503 | ug/l   | 98       |
| 73) n-propylbenzene           | 10.906 | 120  | 2984     | 0.400 | ug/l   | 91       |
| 74) 2-Chlorotoluene           | 10.989 | 126  | 3426     | 0.448 | ug/l   | 99       |
| 75) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 10214    | 0.399 | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.102 | 126  | 3053     | 0.403 | ug/l   | 96       |
| 77) tert-Butylbenzene         | 11.423 | 119  | 11408    | 0.449 | ug/l   | 93       |
| 78) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 10786    | 0.413 | ug/l   | 98       |
| 79) sec-Butylbenzene          | 11.645 | 105  | 12773    | 0.414 | ug/l   | 99       |
| 80) Nitrobenzene              | 13.221 | 77   | 867      | 2.445 | ug/l # | 81       |
| 81) p-Isopropyltoluene        | 11.793 | 119  | 9645     | 0.394 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.748 | 146  | 7815     | 0.504 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.838 | 146  | 7338     | 0.487 | ug/l   | 98       |
| 84) n-Butylbenzene            | 12.211 | 91   | 9210     | 0.433 | ug/l   | 93       |
| 85) 1,2-Dichlorobenzene       | 12.214 | 146  | 7468     | 0.496 | ug/l   | 95       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 771      | 0.555 | ug/l # | 75       |
| 87) 1,2,4-Trichlorobenzene    | 13.844 | 180  | 3940     | 0.468 | ug/l   | 97       |
| 88) Hexachlorobutadiene       | 14.024 | 225  | 2512     | 0.510 | ug/l   | 98       |
| 89) Naphthalene               | 14.092 | 128  | 8202     | 0.472 | ug/l   | 97       |
| 90) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 4313     | 0.498 | ug/l   | 98       |

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

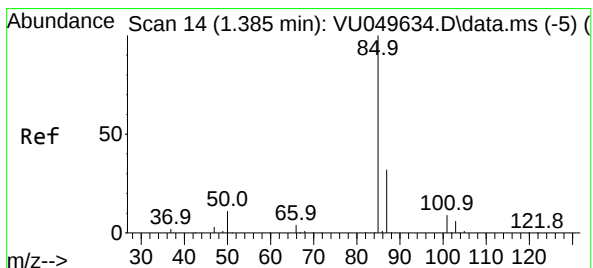
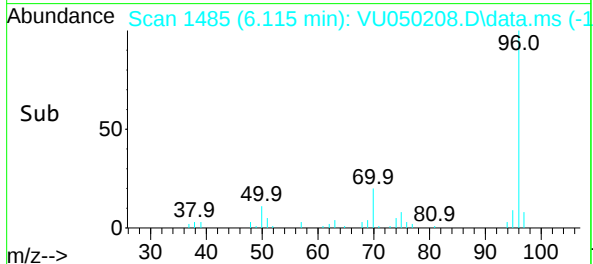
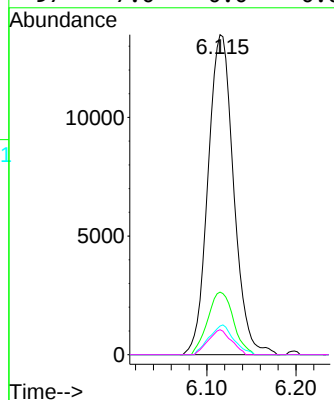
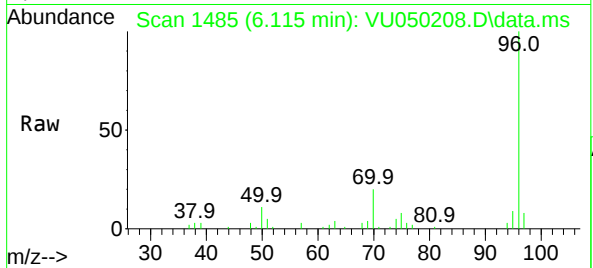




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.115 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

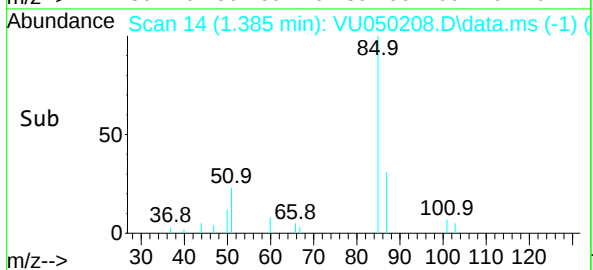
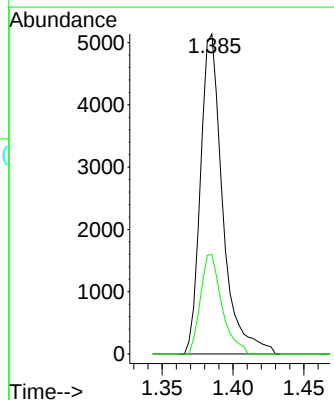
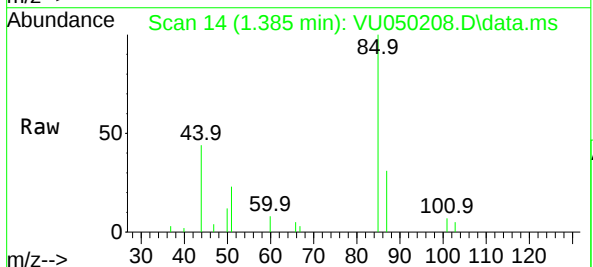
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

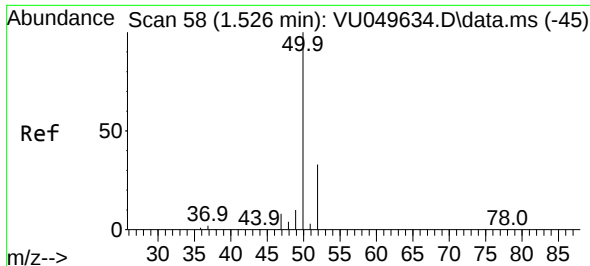
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 26903 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 19.6  | 16.7  | 25.1  |
| 95       | 8.9   | 7.4   | 11.0  |
| 97       | 7.0   | 0.0   | 0.0   |



#2  
Dichlorodifluoromethane  
Concen: 0.576 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 5579  |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 31.2  | 16.3  | 48.8  |

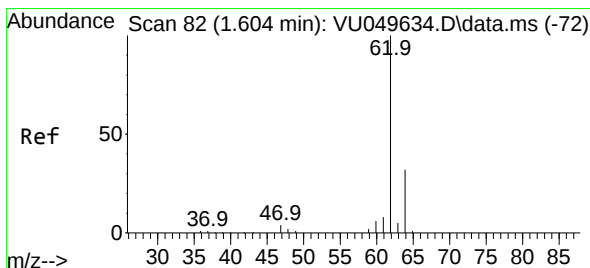
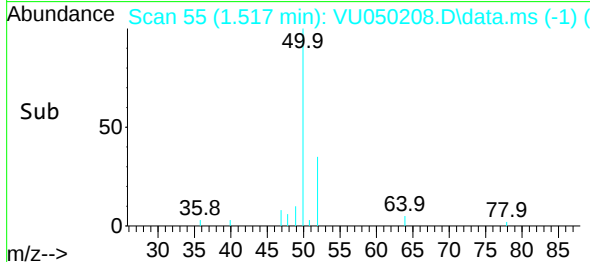
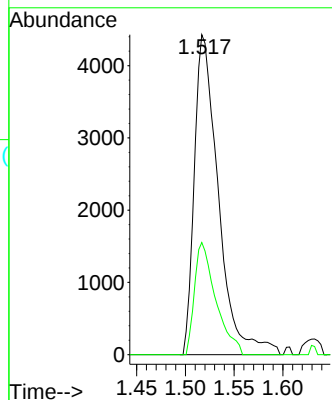
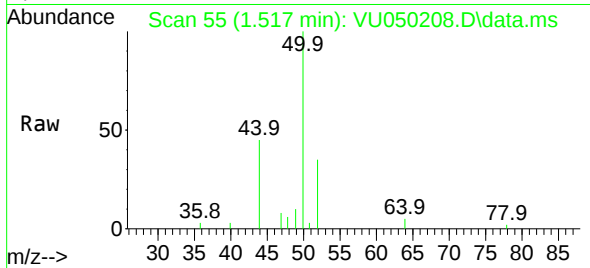




#3  
Chloromethane  
Concen: 0.626 ug/l  
RT: 1.517 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

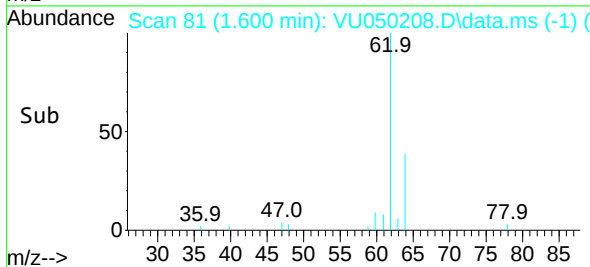
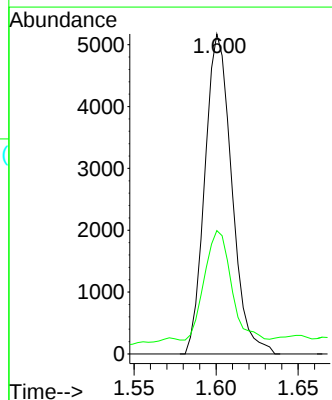
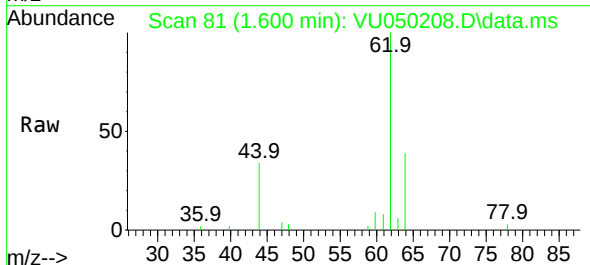
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

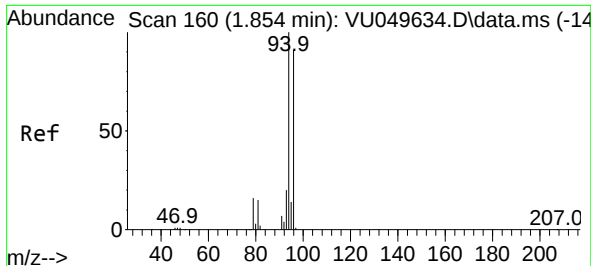
Tgt Ion: 50 Resp: 7603  
Ion Ratio Lower Upper  
50 100  
52 35.1 26.1 39.1



#4  
Vinyl Chloride  
Concen: 0.546 ug/l  
RT: 1.600 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion: 62 Resp: 5894  
Ion Ratio Lower Upper  
62 100  
64 34.2 25.5 38.3

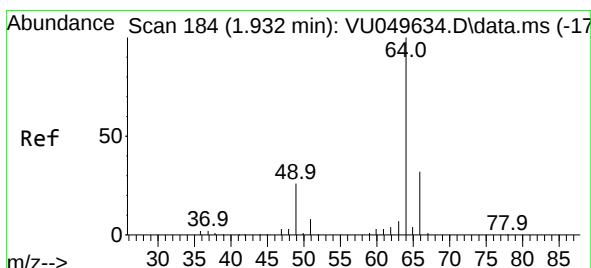
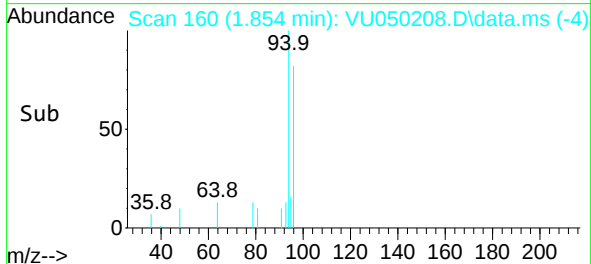
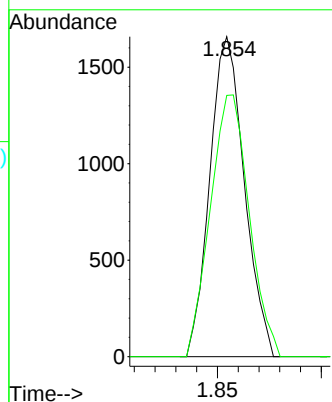
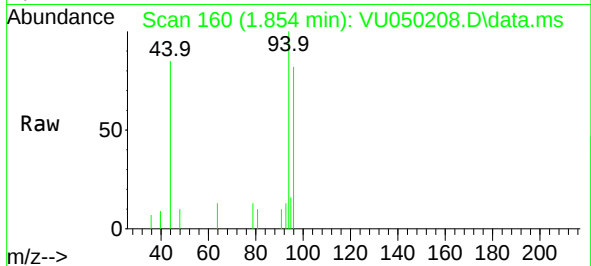




#5  
Bromomethane  
Concen: 0.589 ug/l  
RT: 1.854 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

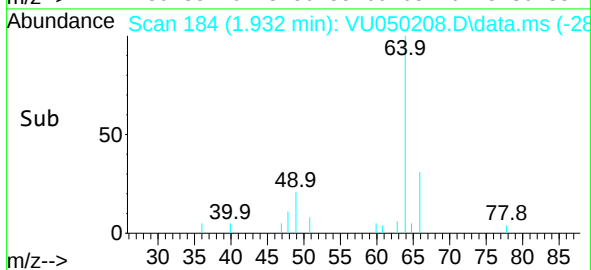
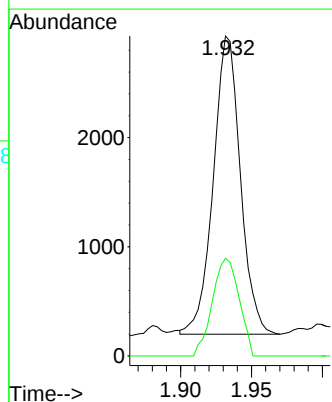
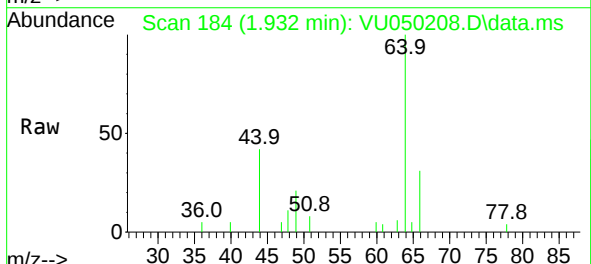
Instrument :  
MSVOA\_U  
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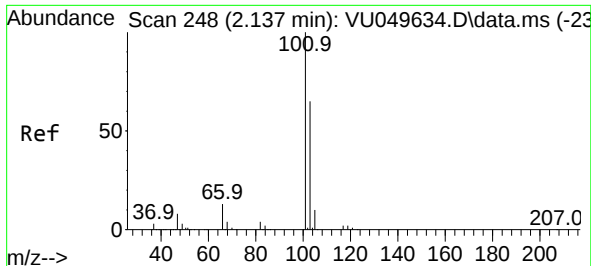
Tgt Ion: 94 Resp: 1914  
Ion Ratio Lower Upper  
94 100  
96 81.7 73.0 109.6



#6  
Chloroethane  
Concen: 0.556 ug/l  
RT: 1.932 min Scan# 184  
Delta R.T. 0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion: 64 Resp: 3629  
Ion Ratio Lower Upper  
64 100  
66 32.8 25.8 38.6

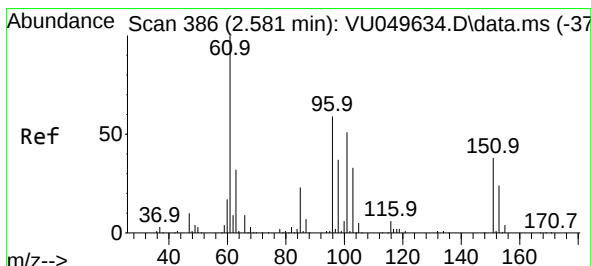
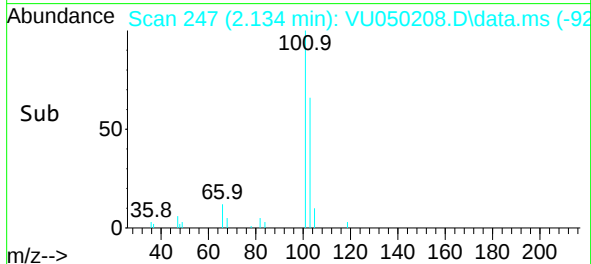
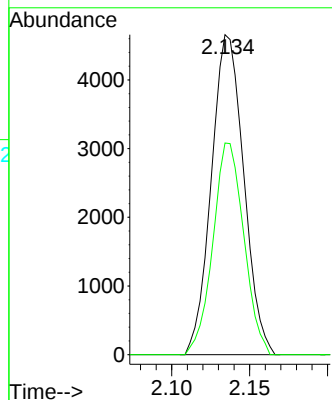
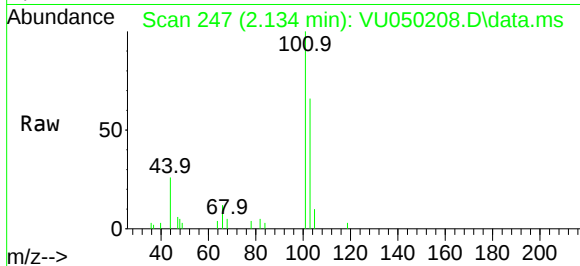




#7  
 Trichlorofluoromethane  
 Concen: 0.569 ug/l  
 RT: 2.134 min Scan# 248  
 Delta R.T. -0.003 min  
 Lab File: VU050208.D  
 Acq: 10 Aug 2022 09:23

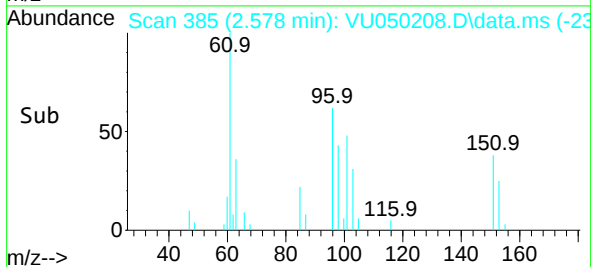
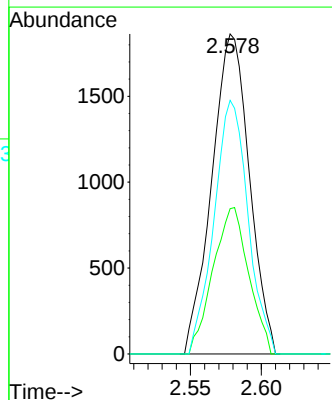
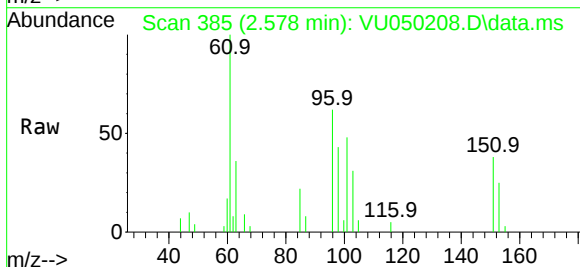
Instrument :  
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 ClientSampleId :  
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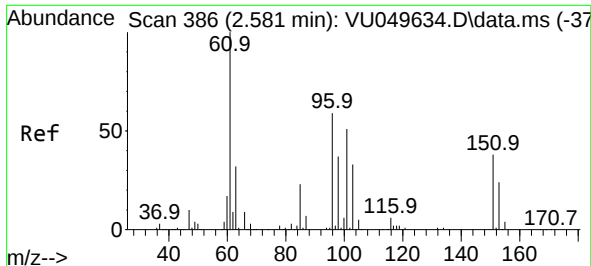
Tgt Ion:101 Resp: 6733  
 Ion Ratio Lower Upper  
 101 100  
 103 66.2 51.8 77.6



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.547 ug/l  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.003 min  
 Lab File: VU050208.D  
 Acq: 10 Aug 2022 09:23

Tgt Ion:101 Resp: 3439  
 Ion Ratio Lower Upper  
 101 100  
 85 43.4 36.4 54.6  
 151 71.9 59.1 88.7

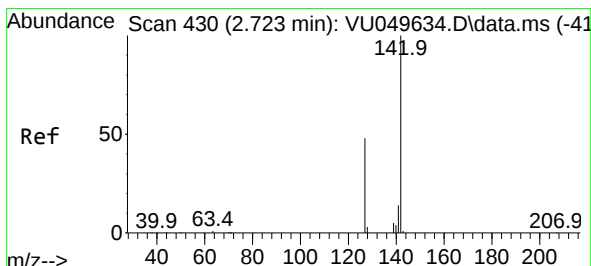
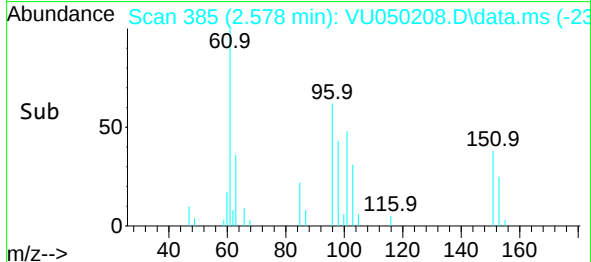
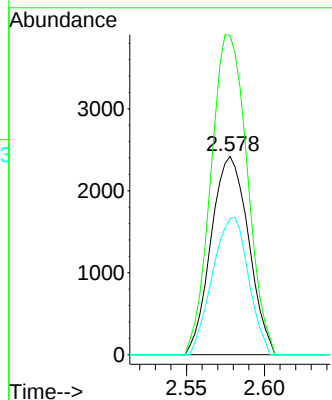
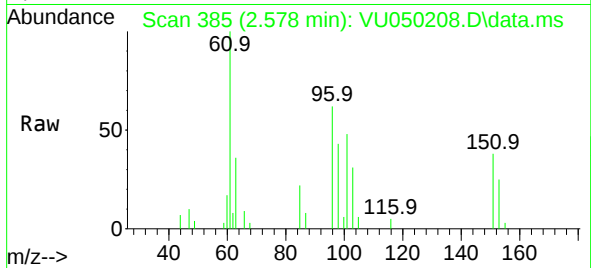




#9  
 1,1-Dichloroethene  
 Concen: 0.567 ug/l  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.003 min  
 Lab File: VU050208.D  
 Acq: 10 Aug 2022 09:23

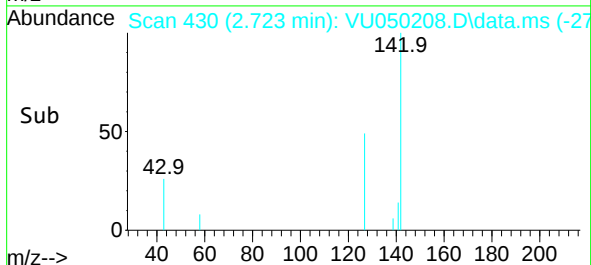
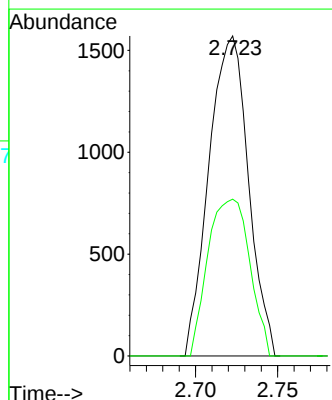
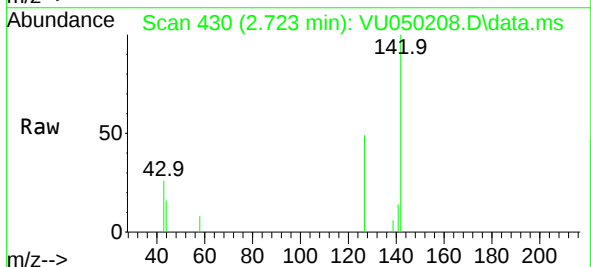
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

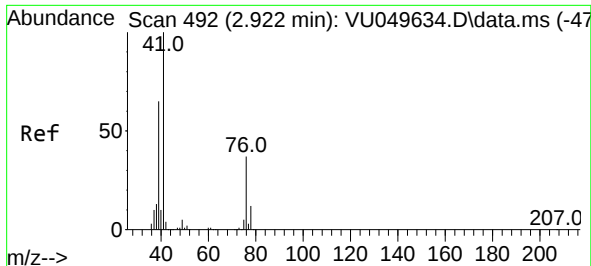
Tgt Ion: 96 Resp: 4041  
 Ion Ratio Lower Upper  
 96 100  
 61 161.1 0.0 510.6  
 98 68.5 0.0 124.6



#10  
 Iodomethane  
 Concen: 0.441 ug/l  
 RT: 2.723 min Scan# 430  
 Delta R.T. 0.000 min  
 Lab File: VU050208.D  
 Acq: 10 Aug 2022 09:23

Tgt Ion: 142 Resp: 2621  
 Ion Ratio Lower Upper  
 142 100  
 127 52.0 38.2 57.2





#11

Allyl Chloride

Concen: 0.536 ug/l

RT: 2.925 min Scan# 492

Delta R.T. 0.003 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

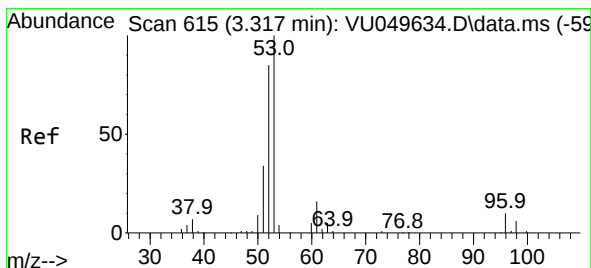
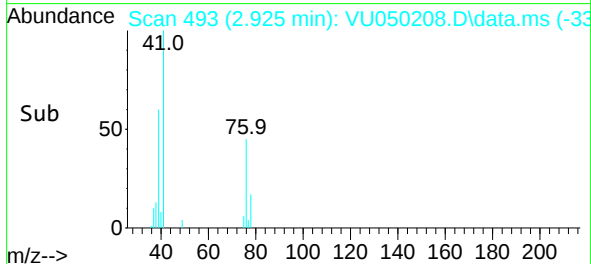
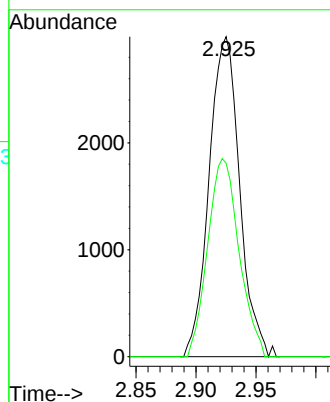
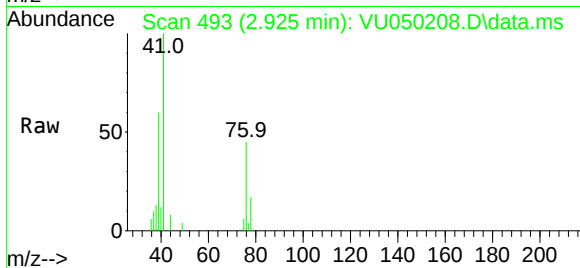
VSTDIC0.5

Tgt Ion: 41 Resp: 5302

Ion Ratio Lower Upper

41 100

39 63.4 53.2 79.8



#12

Acrylonitrile

Concen: 1.001 ug/l

RT: 3.337 min Scan# 621

Delta R.T. 0.020 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

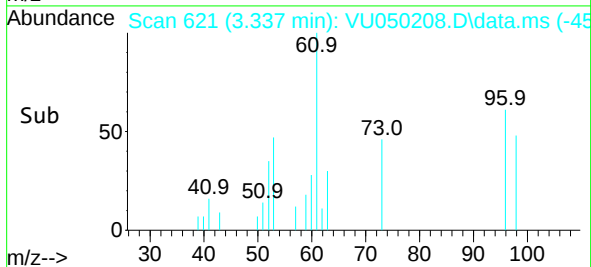
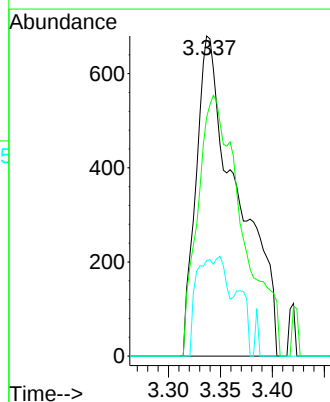
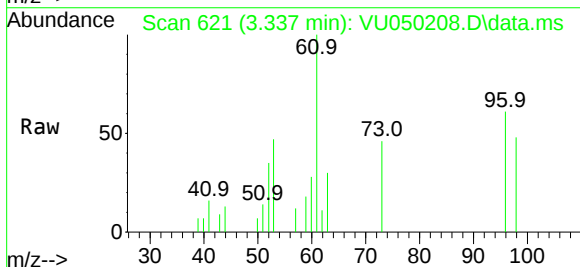
Tgt Ion: 53 Resp: 1894

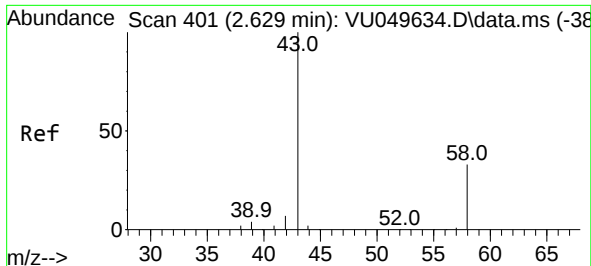
Ion Ratio Lower Upper

53 100

52 86.8 64.6 97.0

51 13.3 30.7 46.1#





#13

Acetone

Concen: 2.867 ug/l

RT: 2.655 min Scan# 409

Delta R.T. 0.026 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

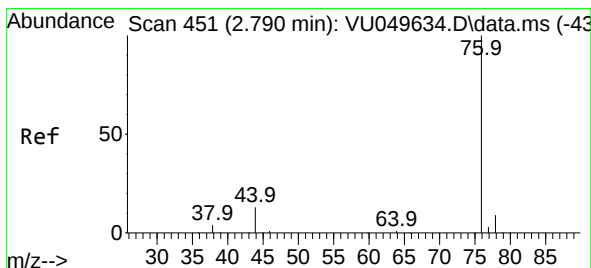
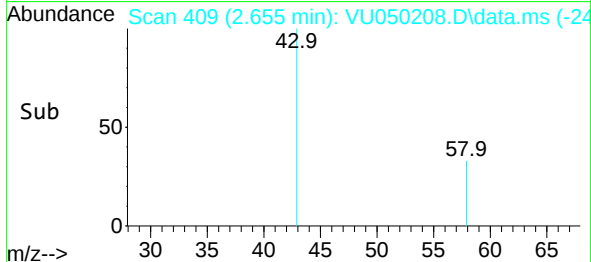
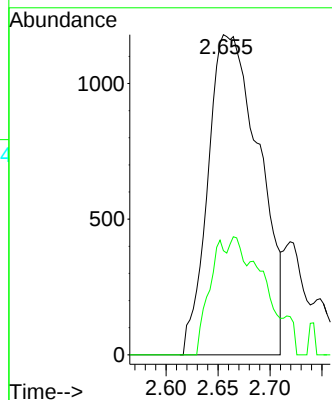
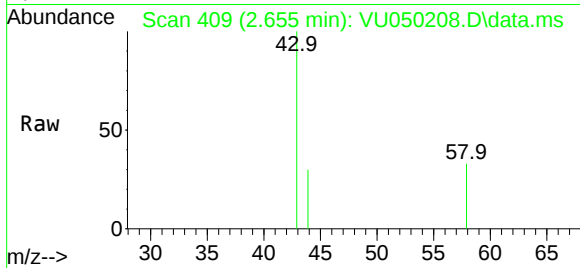
VSTDICC0.5

Tgt Ion: 43 Resp: 4053

Ion Ratio Lower Upper

43 100

58 32.5 26.2 39.2



#14

Carbon Disulfide

Concen: 0.614 ug/l

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU050208.D

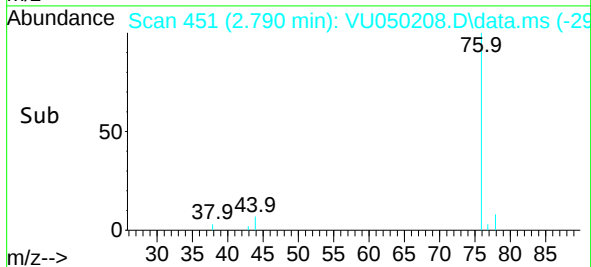
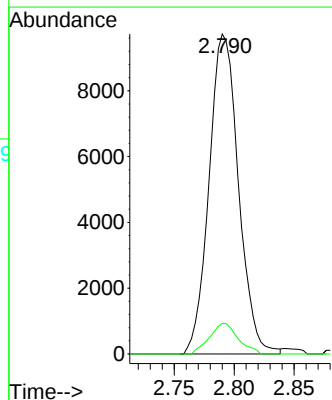
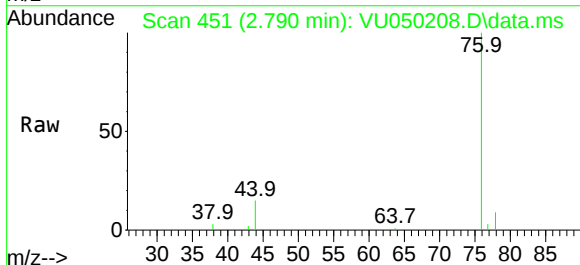
Acq: 10 Aug 2022 09:23

Tgt Ion: 76 Resp: 16588

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



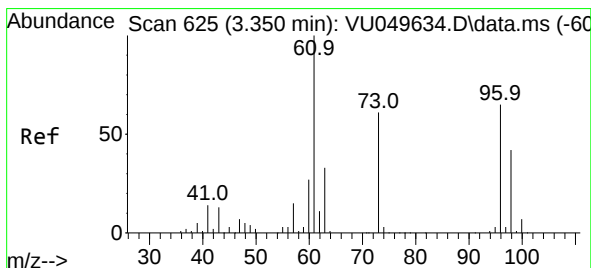
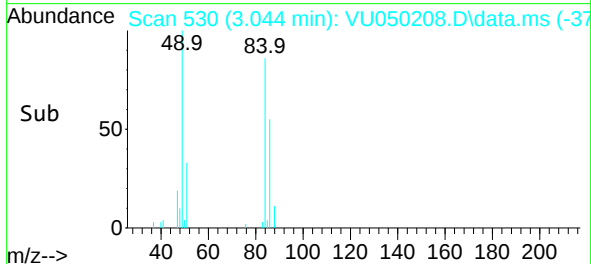
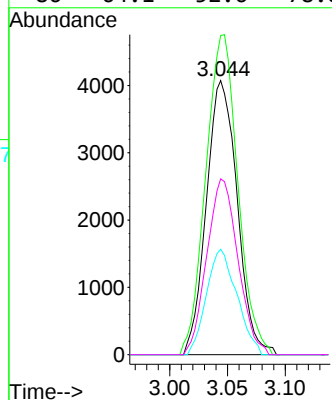
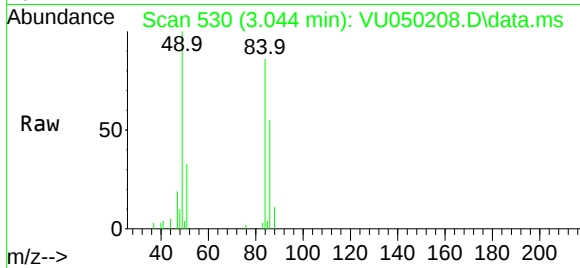


#15  
Methylene Chloride  
Concen: 0.708 ug/l  
RT: 3.044 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 84 Resp: 7569

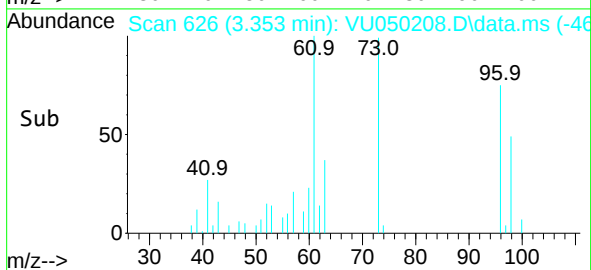
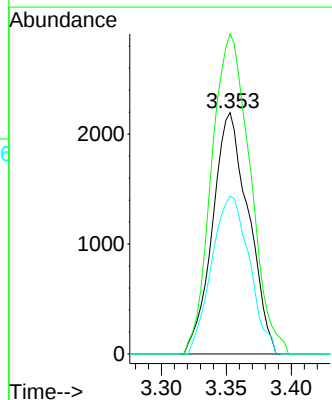
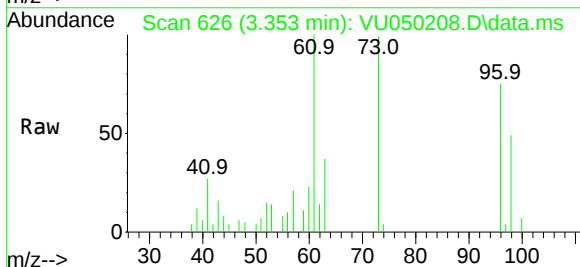
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 116.4 | 104.6 | 157.0 |
| 51  | 38.5  | 0.0   | 81.4  |
| 86  | 64.1  | 52.6  | 78.8  |



#16  
trans-1,2-Dichloroethene  
Concen: 0.535 ug/l  
RT: 3.353 min Scan# 626  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion: 96 Resp: 4223

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.6 | 123.4 | 185.0 |
| 98  | 65.3  | 51.6  | 77.4  |





#17

1,1-Dichloroethane

Concen: 0.558 ug/l

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

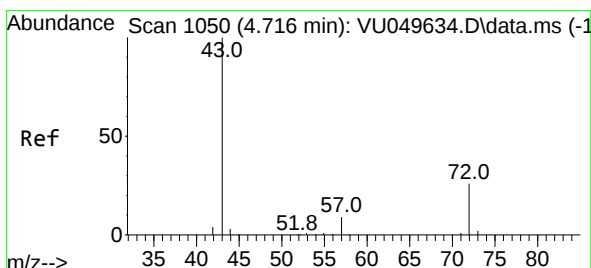
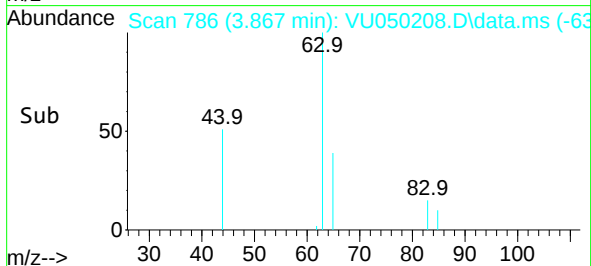
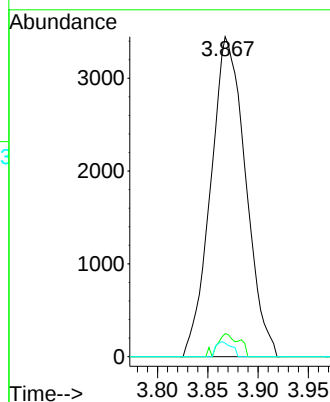
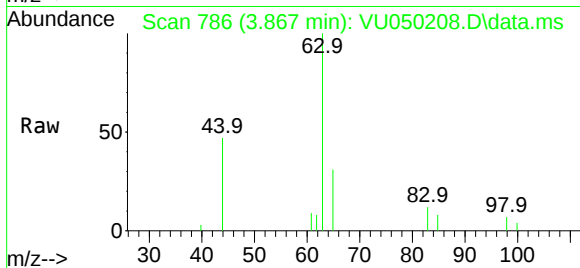
Tgt Ion: 63 Resp: 8311

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 4.3 2.0 6.0



#18

2-Butanone

Concen: 2.746 ug/l

RT: 4.735 min Scan# 1056

Delta R.T. 0.019 min

Lab File: VU050208.D

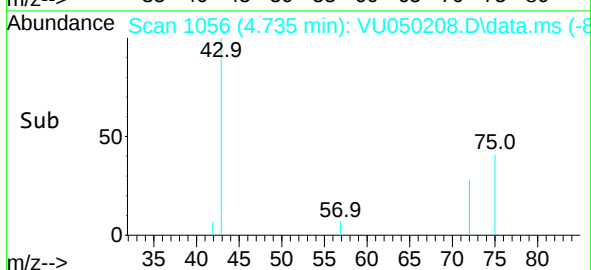
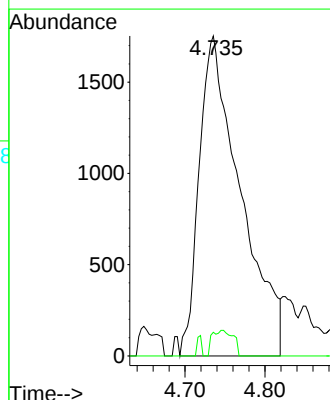
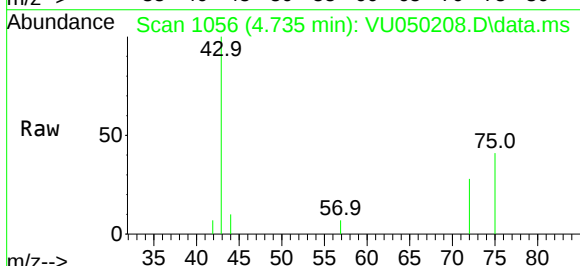
Acq: 10 Aug 2022 09:23

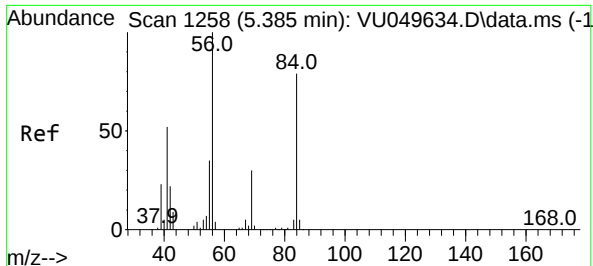
Tgt Ion: 43 Resp: 6285

Ion Ratio Lower Upper

43 100

57 7.4 0.0 18.0





#19

Cyclohexane

Concen: 0.430 ug/l

RT: 5.388 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

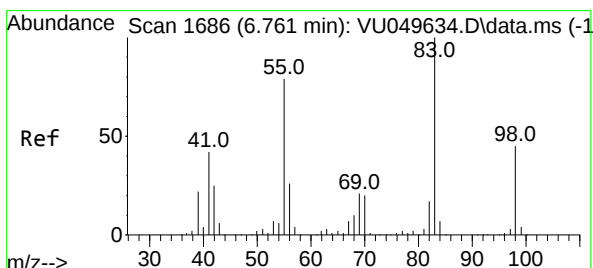
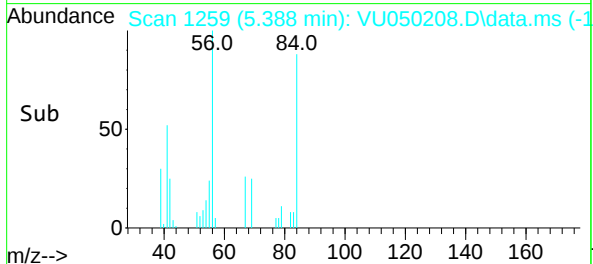
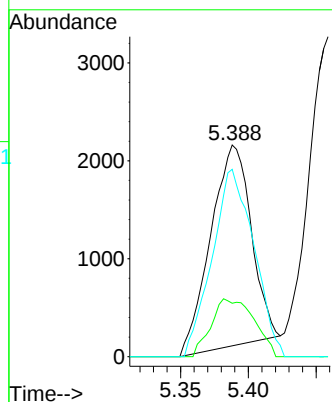
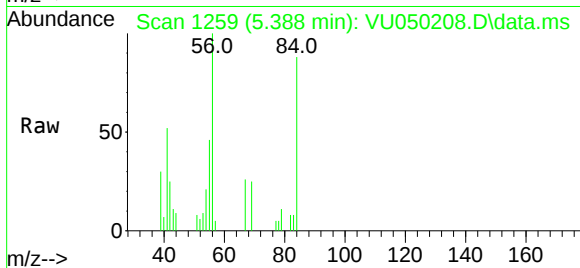
Tgt Ion: 56 Resp: 4283

Ion Ratio Lower Upper

56 100

69 30.4 24.2 36.4

84 95.4 63.4 95.2#



#20

Methylcyclohexane

Concen: 0.481 ug/l

RT: 6.764 min Scan# 1687

Delta R.T. 0.003 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

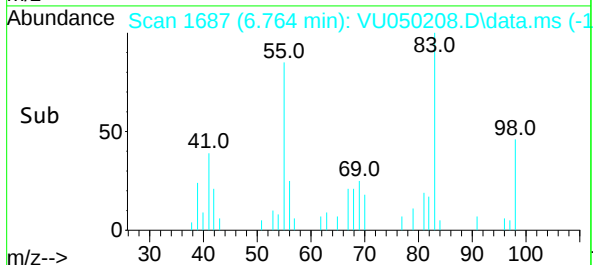
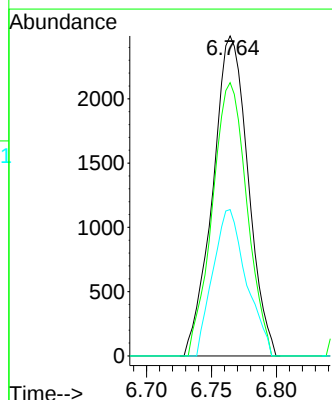
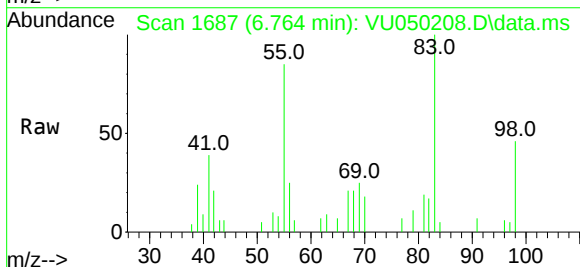
Tgt Ion: 83 Resp: 4713

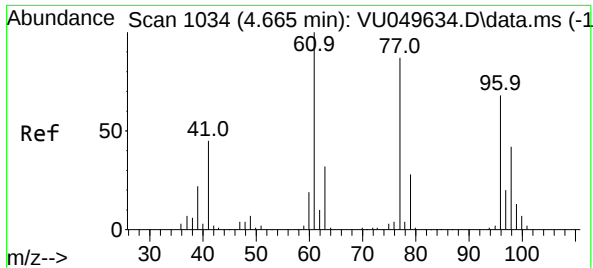
Ion Ratio Lower Upper

83 100

55 83.5 63.0 94.4

98 43.2 35.7 53.5





#21

2,2-Dichloropropane

Concen: 0.628 ug/l

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

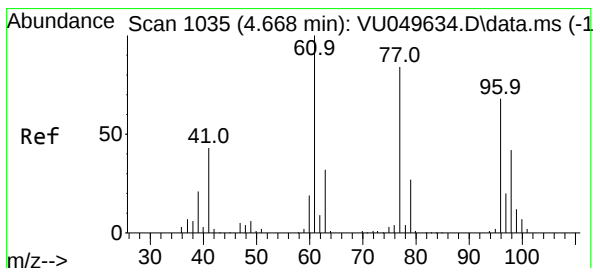
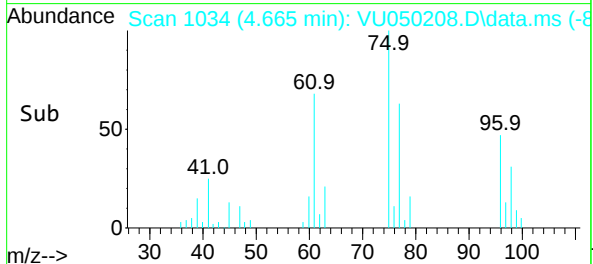
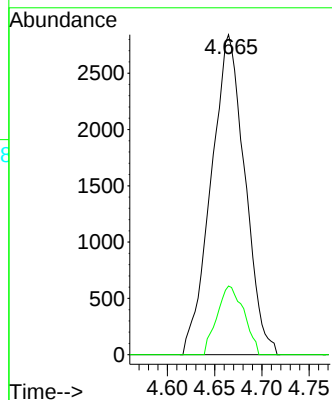
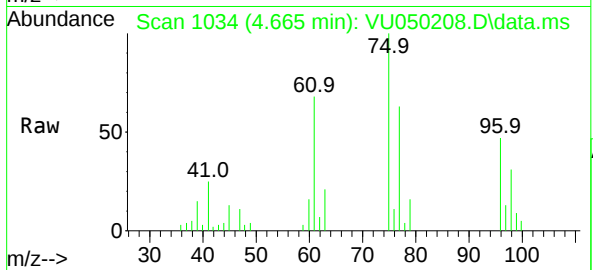
VSTDIC0.5

Tgt Ion: 77 Resp: 7049

Ion Ratio Lower Upper

77 100

97 17.1 18.5 27.7#



#22

cis-1,2-Dichloroethene

Concen: 0.566 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

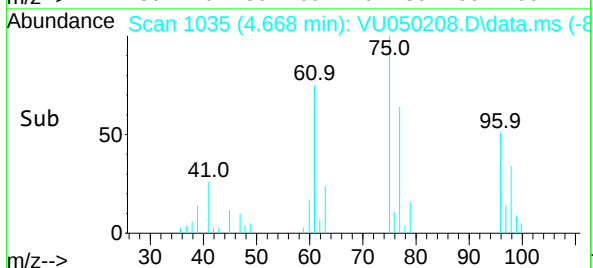
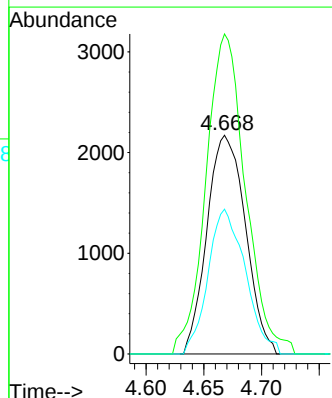
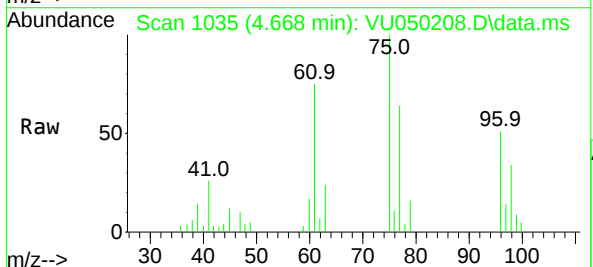
Tgt Ion: 96 Resp: 5041

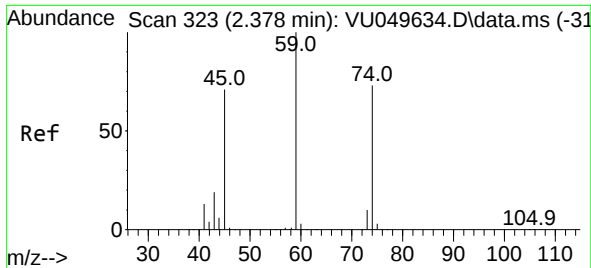
Ion Ratio Lower Upper

96 100

61 149.9 0.0 375.8

98 64.1 31.6 95.0

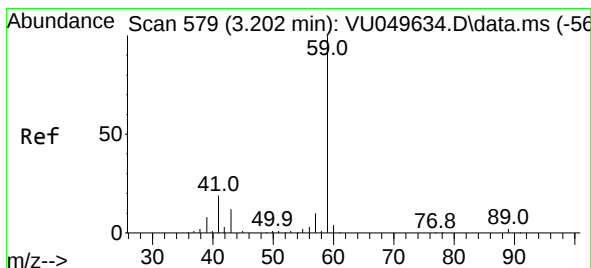
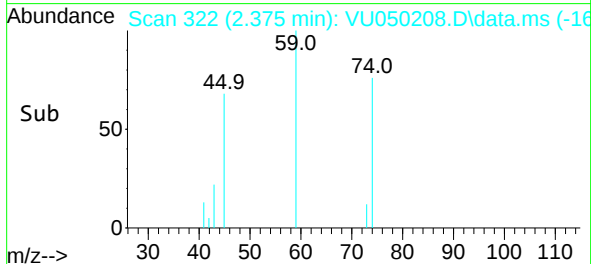
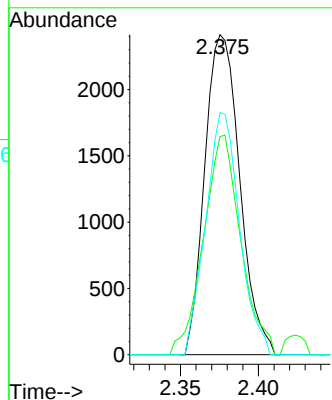
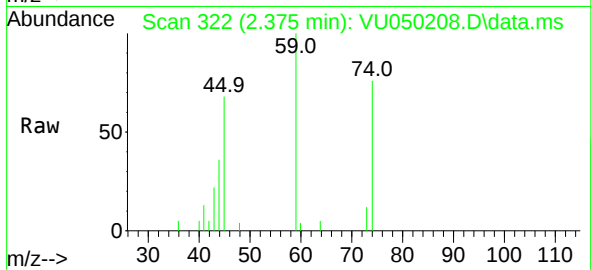




#23  
Diethyl Ether  
Concen: 0.592 ug/l  
RT: 2.375 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

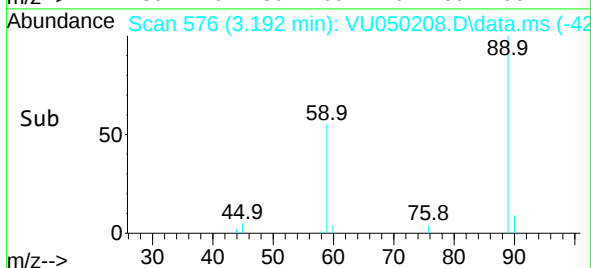
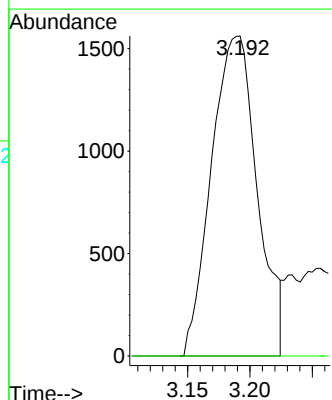
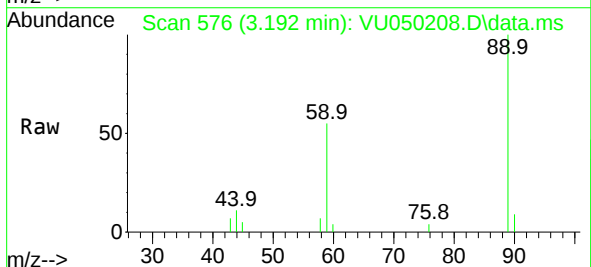
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

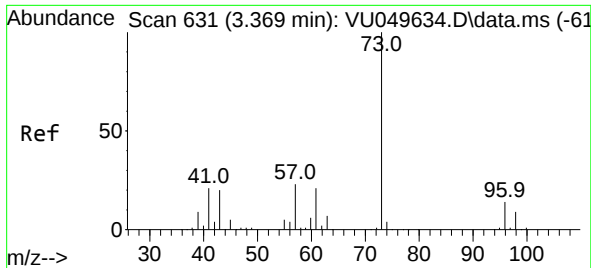
Tgt Ion: 59 Resp: 3767  
Ion Ratio Lower Upper  
59 100  
45 72.9 56.0 84.0  
74 73.1 57.6 86.4



#24  
tert-Butyl Alcohol  
Concen: 8.335 ug/l  
RT: 3.192 min Scan# 576  
Delta R.T. -0.010 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion: 59 Resp: 4009  
Ion Ratio Lower Upper  
59 100  
57 53.8 8.2 12.2#

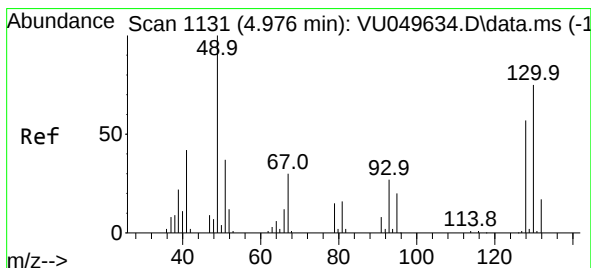
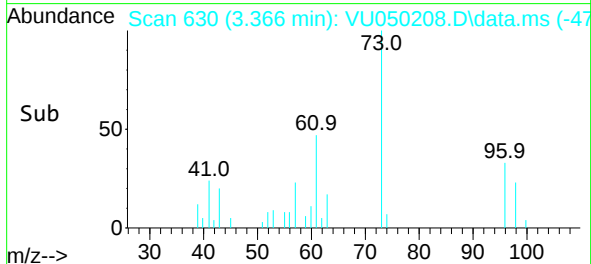
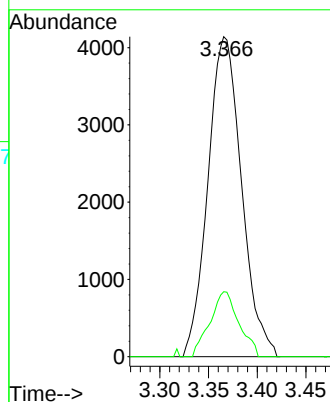
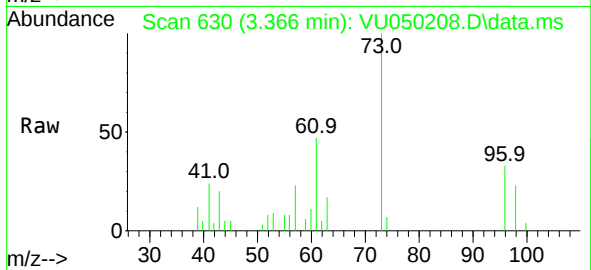




#25  
Methyl tert-Butyl Ether  
Concen: 0.542 ug/l  
RT: 3.366 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

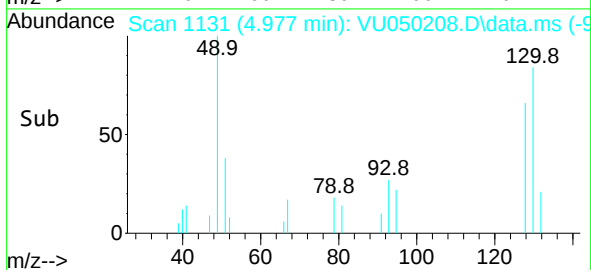
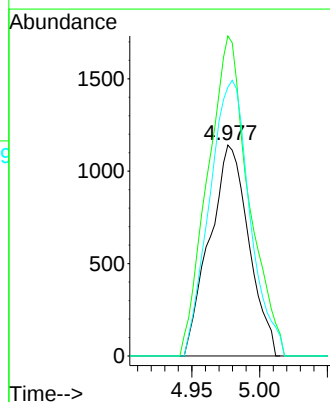
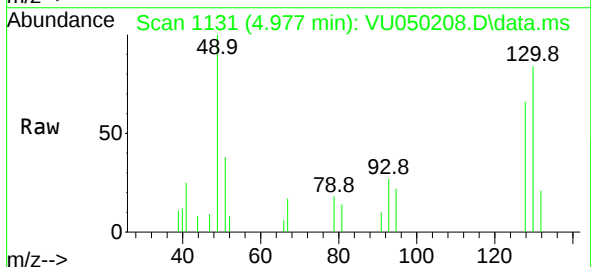
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

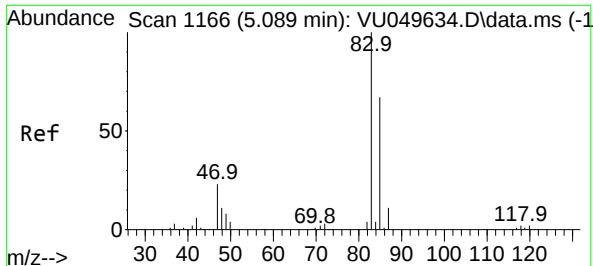
Tgt Ion: 73 Resp: 9927  
Ion Ratio Lower Upper  
73 100  
43 17.5 15.9 23.9



#26  
Bromochloromethane  
Concen: 0.558 ug/l  
RT: 4.977 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion: 128 Resp: 2292  
Ion Ratio Lower Upper  
128 100  
49 158.7 0.0 349.2  
130 134.9 103.0 154.6





#27

Chloroform

Concen: 0.576 ug/l

RT: 5.092 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

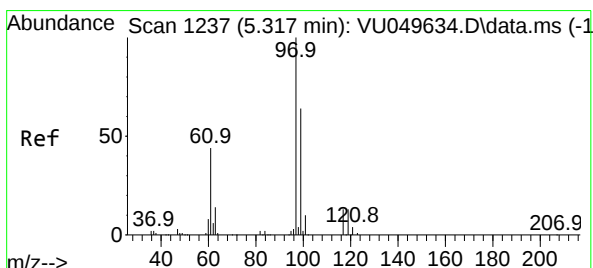
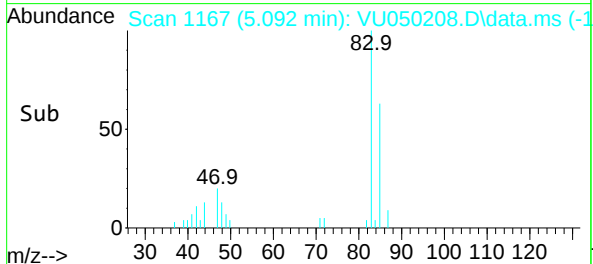
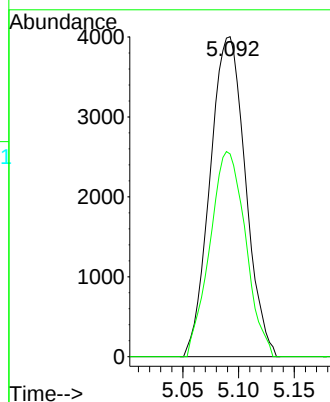
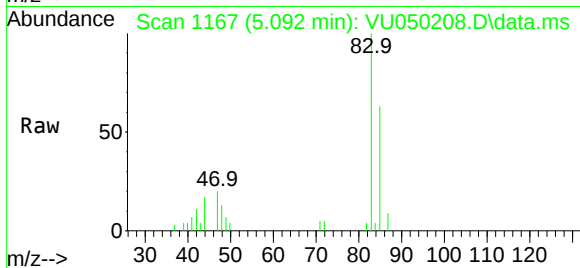
VSTDICC0.5

Tgt Ion: 83 Resp: 8855

Ion Ratio Lower Upper

83 100

85 63.4 0.0 133.6



#28

1,1,1-Trichloroethane

Concen: 0.558 ug/l

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

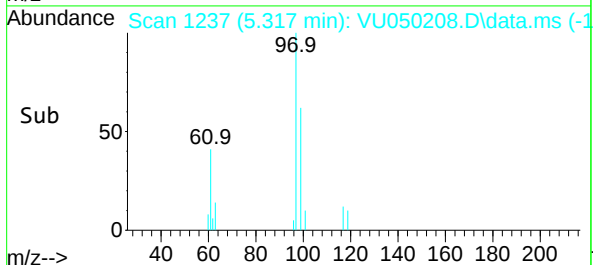
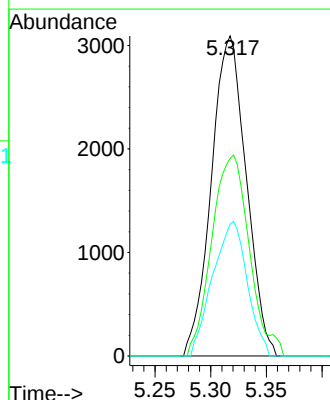
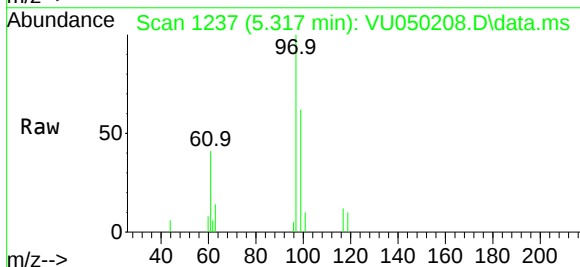
Tgt Ion: 97 Resp: 6745

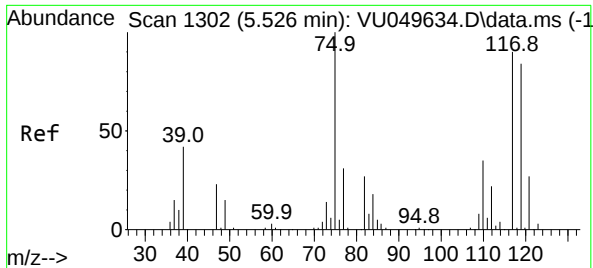
Ion Ratio Lower Upper

97 100

99 67.3 32.1 96.5

61 41.5 21.8 65.4

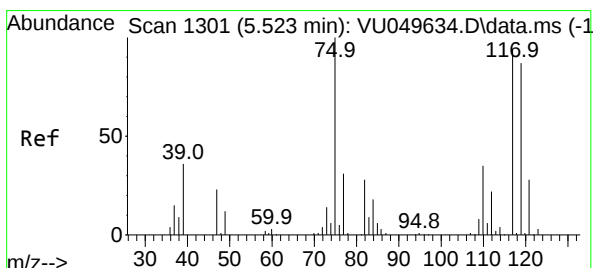
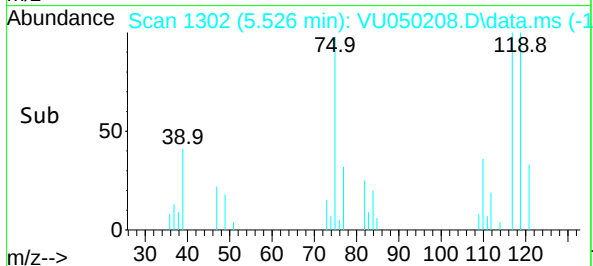
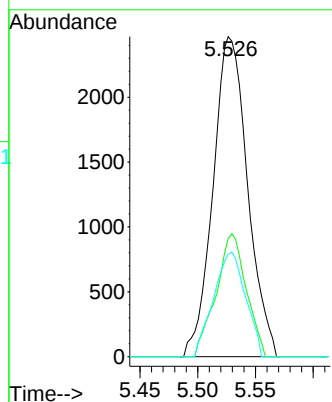
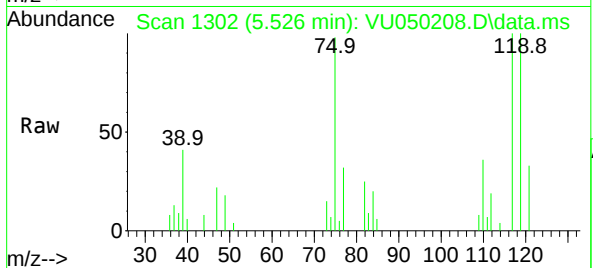




#29  
1,1-Dichloropropene  
Concen: 0.512 ug/l  
RT: 5.526 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

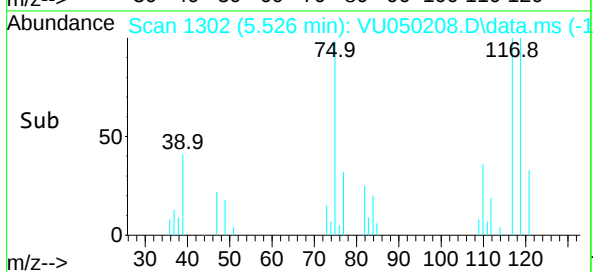
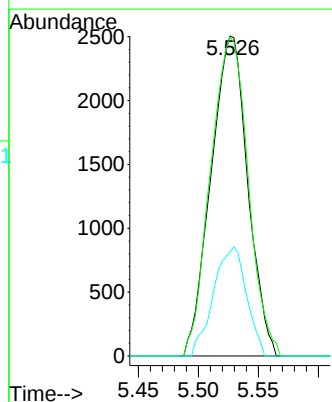
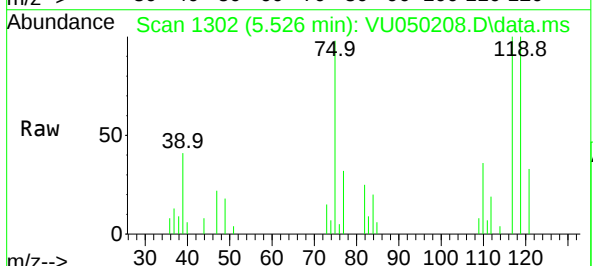
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 75 Resp: 5135  
Ion Ratio Lower Upper  
75 100  
110 33.5 17.3 52.0  
77 30.1 24.6 37.0



#30  
Carbon Tetrachloride  
Concen: 0.537 ug/l  
RT: 5.526 min Scan# 1302  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion: 117 Resp: 5337  
Ion Ratio Lower Upper  
117 100  
119 99.7 74.6 112.0  
121 32.6 24.2 36.4

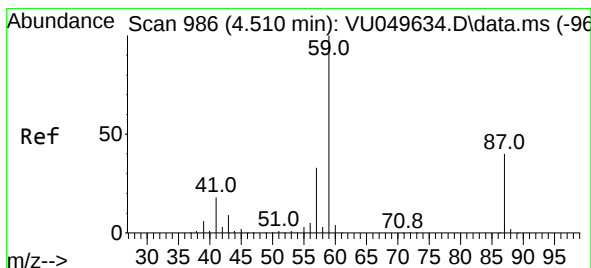
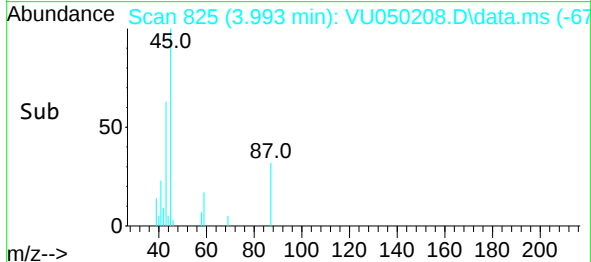
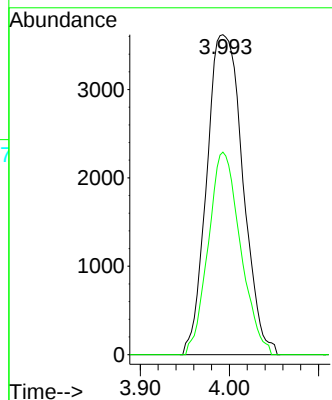
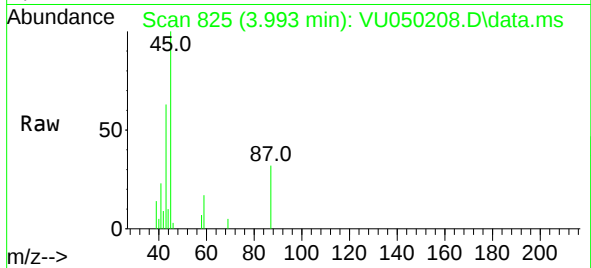




#31  
Isopropyl Ether  
Concen: 0.504 ug/l  
RT: 3.993 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

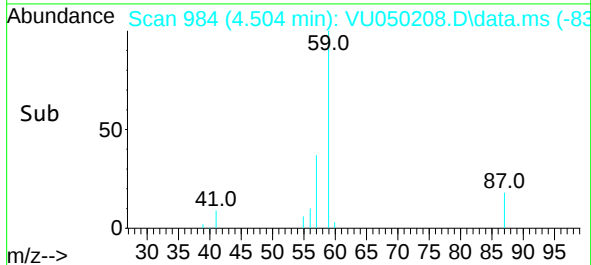
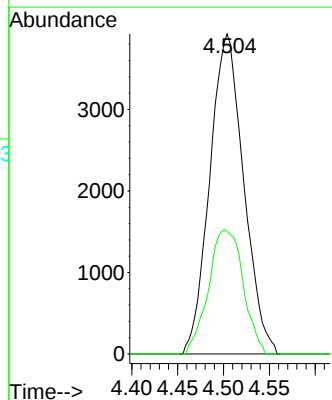
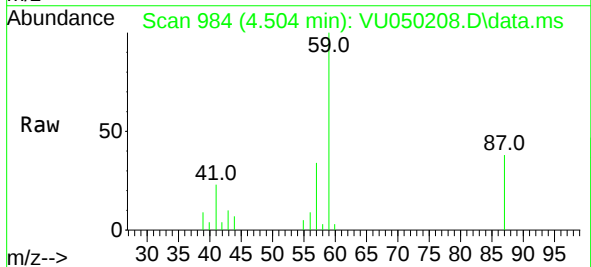
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 45 Resp: 10168  
Ion Ratio Lower Upper  
45 100  
43 56.7 23.8 71.2



#32  
Ethyl-t-butyl ether  
Concen: 0.522 ug/l  
RT: 4.504 min Scan# 984  
Delta R.T. -0.006 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion: 59 Resp: 10088  
Ion Ratio Lower Upper  
59 100  
87 39.6 32.5 48.7

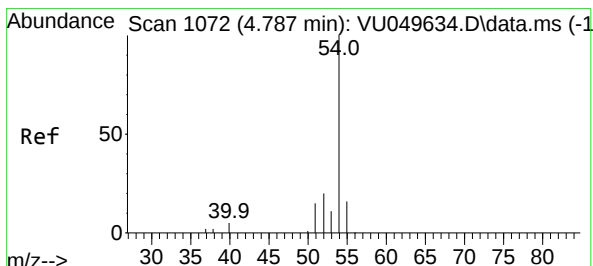
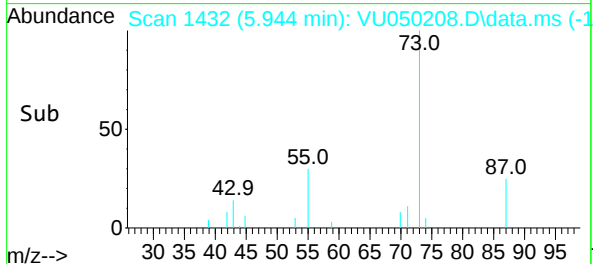
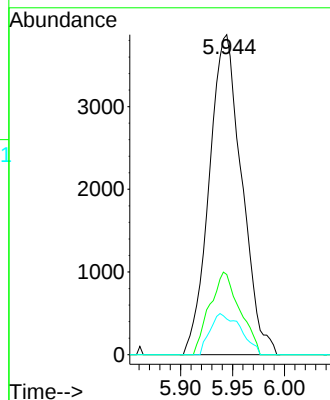
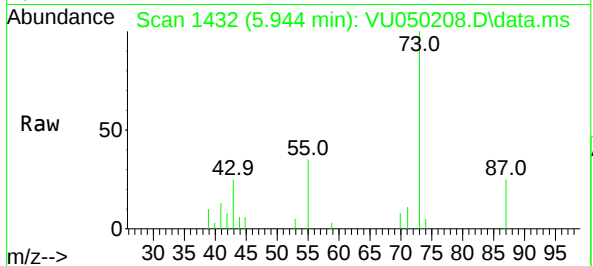




#33  
Tert-Amyl methyl ether  
Concen: 0.494 ug/l  
RT: 5.944 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

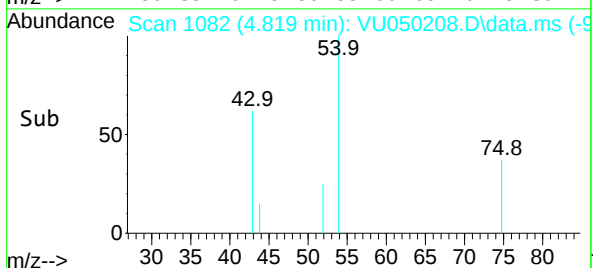
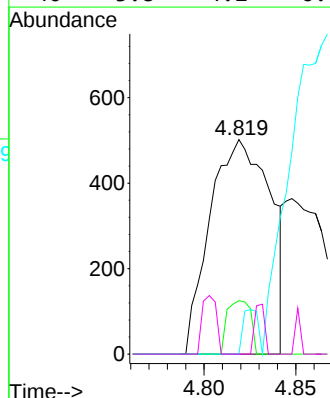
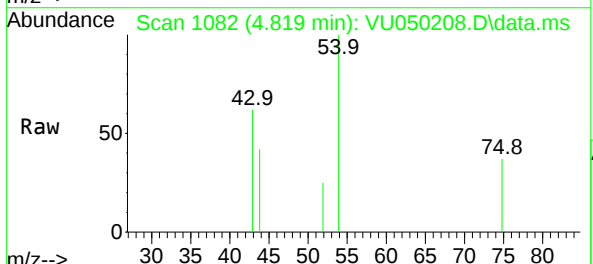
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

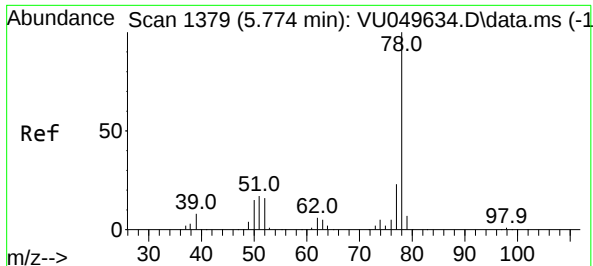
|             |                |
|-------------|----------------|
| Tgt Ion: 73 | Resp: 8422     |
| Ion Ratio   | Lower Upper    |
| 73          | 100            |
| 87          | 23.9 19.7 29.5 |
| 71          | 12.1 9.0 13.4  |



#34  
Propionitrile  
Concen: 1.420 ug/l  
RT: 4.819 min Scan# 1082  
Delta R.T. 0.032 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

|             |                |
|-------------|----------------|
| Tgt Ion: 54 | Resp: 1149     |
| Ion Ratio   | Lower Upper    |
| 54          | 100            |
| 52          | 9.7 15.0 22.6# |
| 55          | 0.0 12.6 19.0# |
| 40          | 3.8 4.2 6.4#   |





#35

Benzene

Concen: 0.532 ug/l

RT: 5.777 min Scan# 1379

Delta R.T. 0.003 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

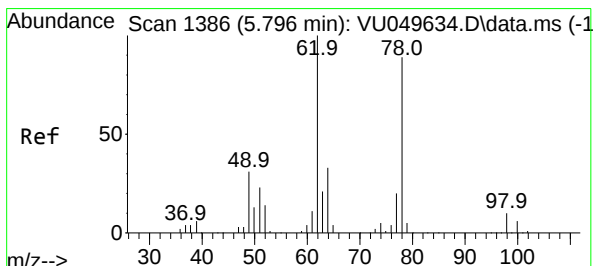
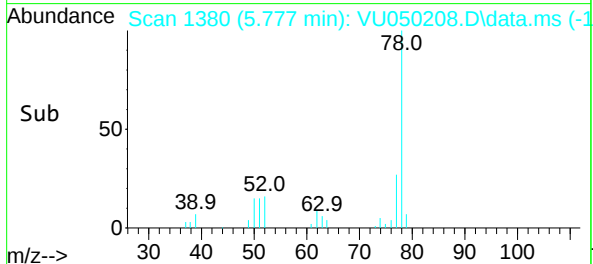
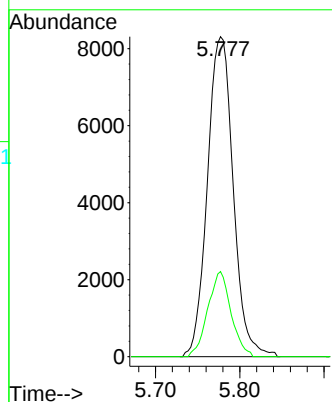
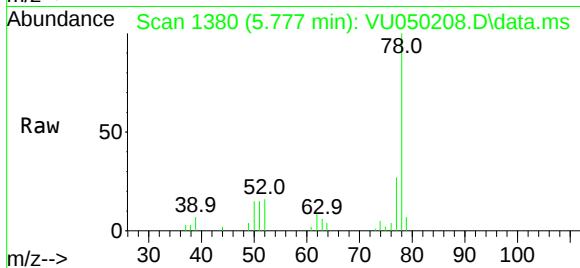
VSTDIC0.5

Tgt Ion: 78 Resp: 17701

Ion Ratio Lower Upper

78 100

77 26.6 18.6 28.0



#36

1,2-Dichloroethane

Concen: 0.563 ug/l

RT: 5.796 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU050208.D

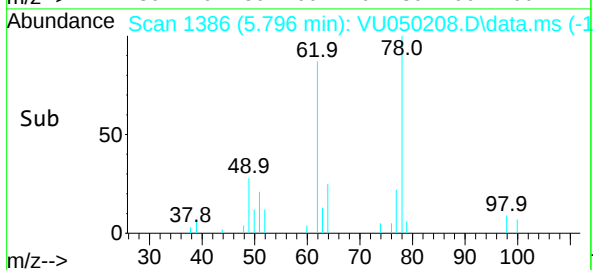
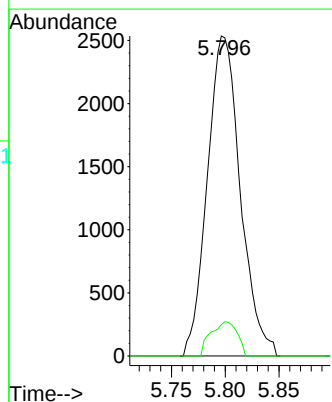
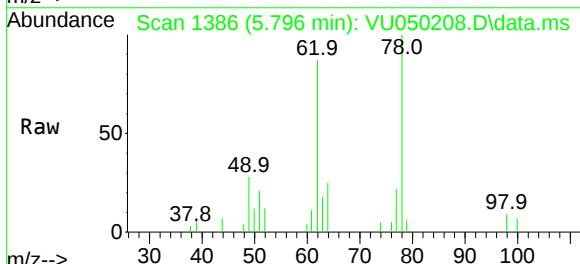
Acq: 10 Aug 2022 09:23

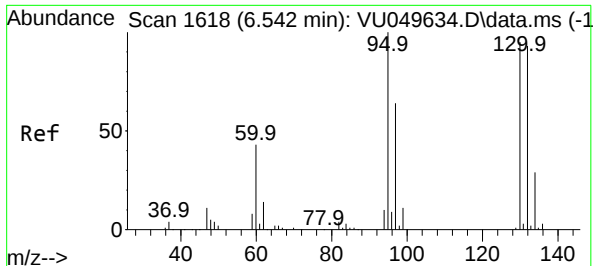
Tgt Ion: 62 Resp: 5410

Ion Ratio Lower Upper

62 100

98 8.6 7.4 11.0





#37

Trichloroethene

Concen: 0.564 ug/l

RT: 6.546 min Scan# 1

Delta R.T. 0.004 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

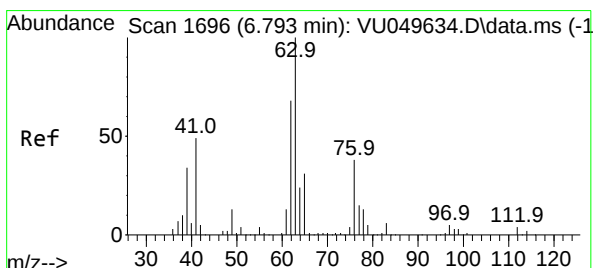
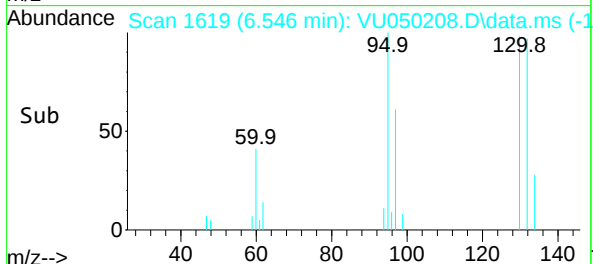
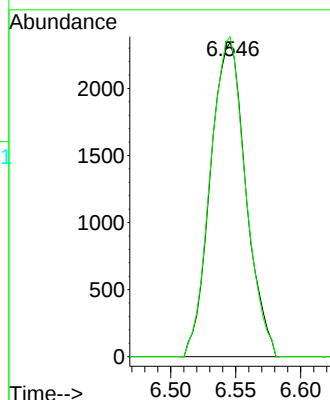
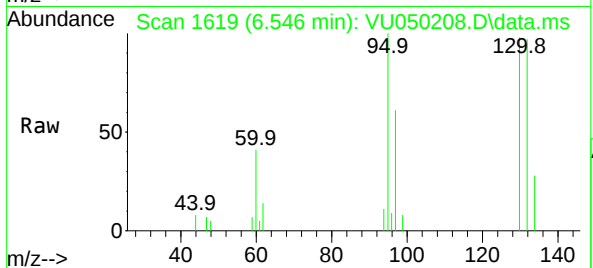
VSTDICC0.5

Tgt Ion:130 Resp: 4455

Ion Ratio Lower Upper

130 100

95 101.8 83.8 125.8



#38

1,2-Dichloropropane

Concen: 0.560 ug/l

RT: 6.793 min Scan# 1696

Delta R.T. 0.000 min

Lab File: VU050208.D

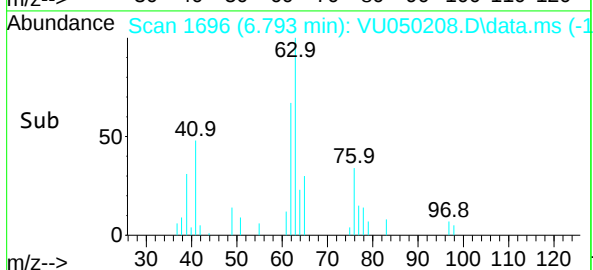
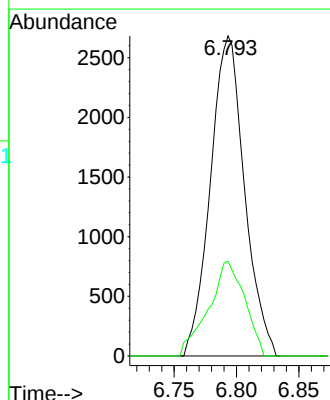
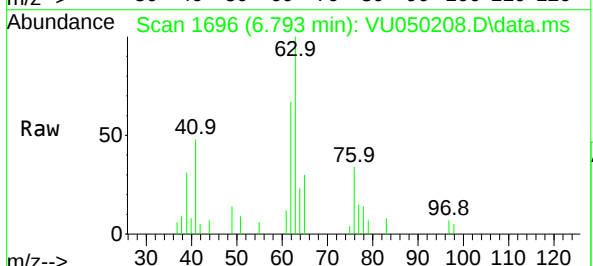
Acq: 10 Aug 2022 09:23

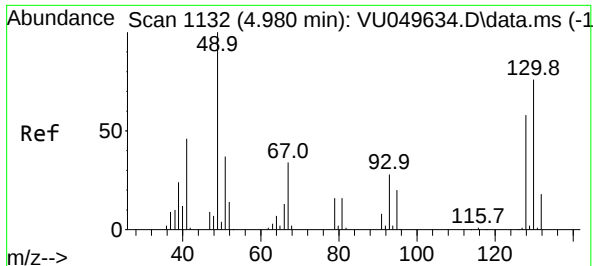
Tgt Ion: 63 Resp: 5104

Ion Ratio Lower Upper

63 100

65 29.6 25.0 37.4





#39

Methacrylonitrile

Concen: 0.306 ug/l

RT: 4.983 min Scan# 1133

Delta R.T. 0.003 min

Lab File: VU050208.D

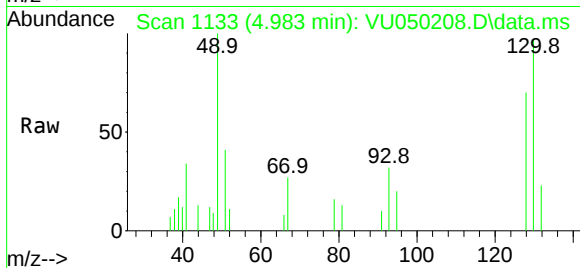
Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5



Tgt Ion: 41 Resp: 774

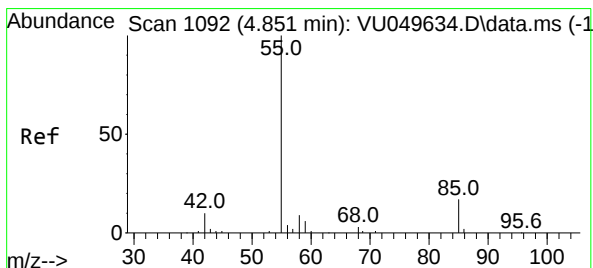
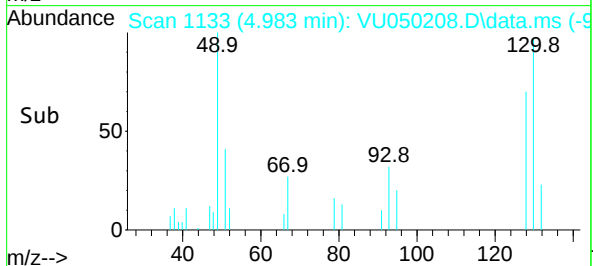
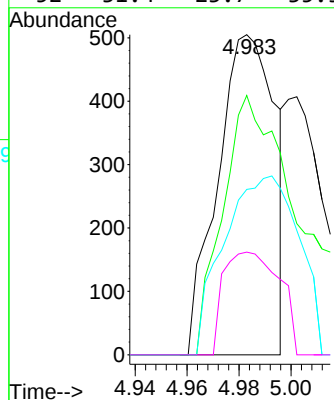
Ion Ratio Lower Upper

41 100

67 109.2 59.4 89.0#

39 72.9 42.2 63.2#

52 31.4 23.7 35.5



#40

Methyl acrylate

Concen: 0.487 ug/l

RT: 4.867 min Scan# 1097

Delta R.T. 0.016 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Tgt Ion: 55 Resp: 2397

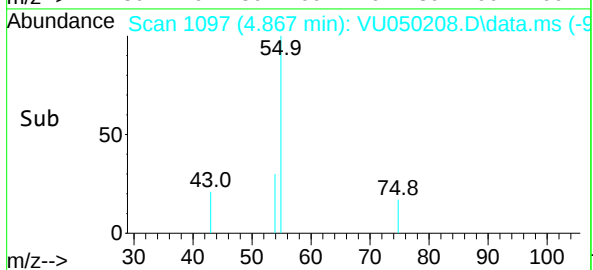
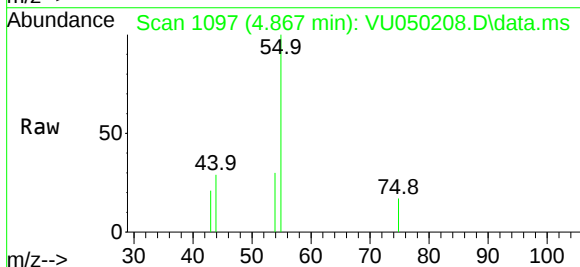
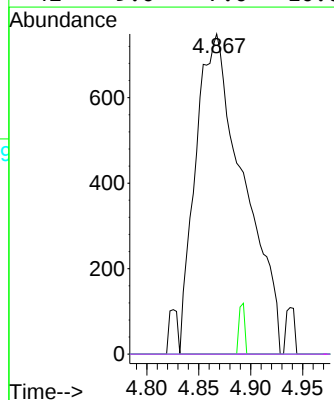
Ion Ratio Lower Upper

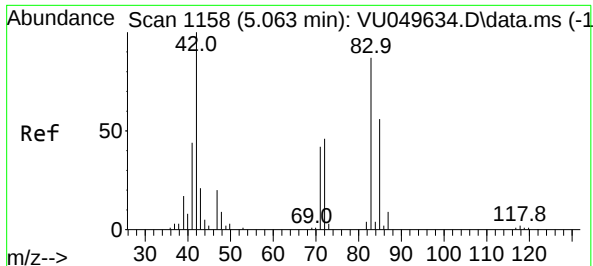
55 100

85 0.0 13.5 20.3#

58 0.0 7.0 10.4#

42 9.0 7.0 10.6





#41

Tetrahydrofuran

Concen: 0.586 ug/l

RT: 5.073 min Scan# 1161

Delta R.T. 0.010 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

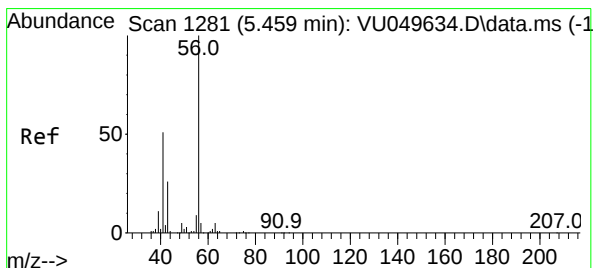
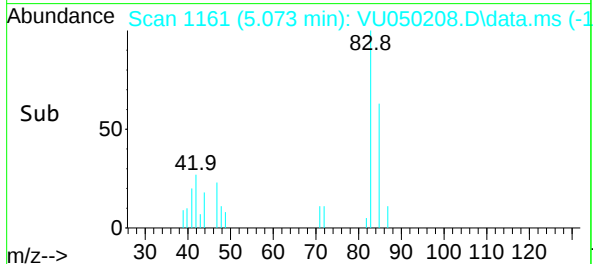
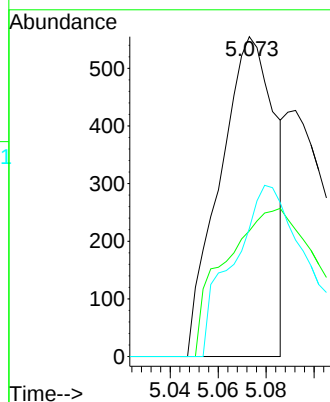
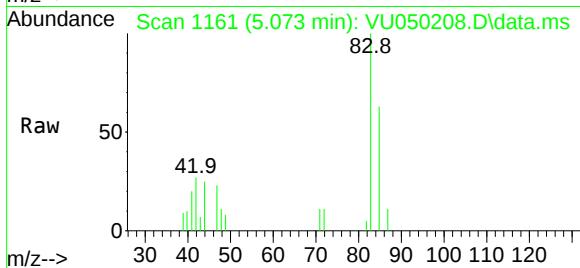
Tgt Ion: 42 Resp: 885

Ion Ratio Lower Upper

42 100

72 74.8 38.9 58.3#

71 70.2 33.7 50.5#



#42

1-Chlorobutane

Concen: 0.502 ug/l

RT: 5.459 min Scan# 1281

Delta R.T. -0.000 min

Lab File: VU050208.D

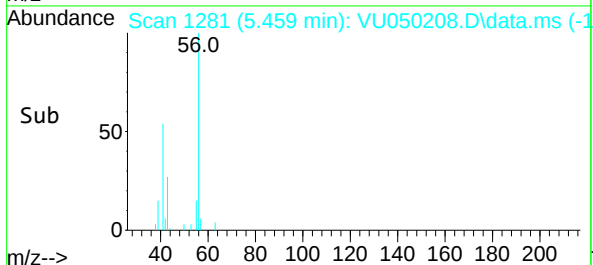
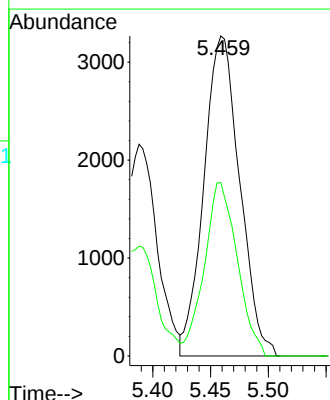
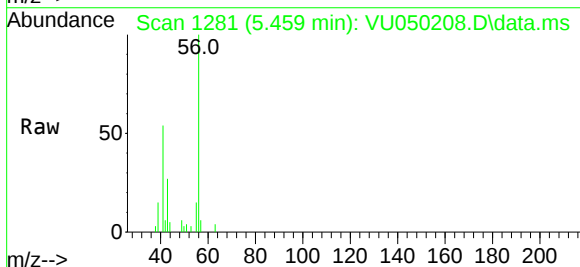
Acq: 10 Aug 2022 09:23

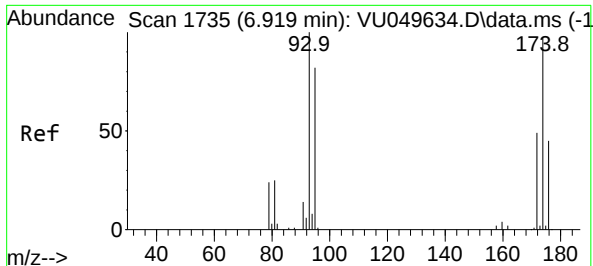
Tgt Ion: 56 Resp: 7034

Ion Ratio Lower Upper

56 100

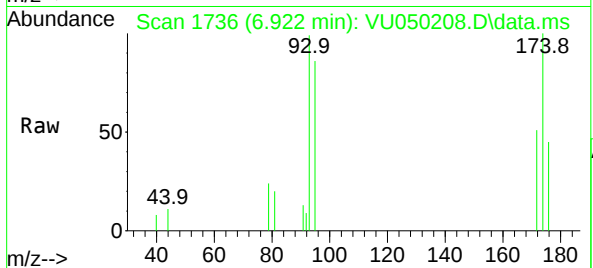
41 50.0 26.4 79.2





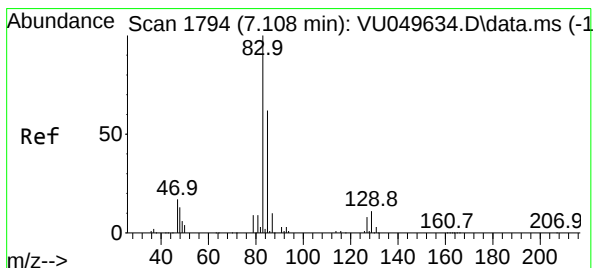
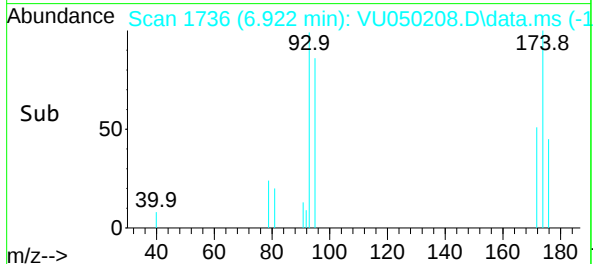
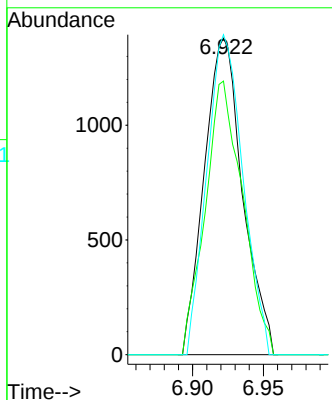
#43  
Dibromomethane  
Concen: 0.551 ug/l  
RT: 6.922 min Scan# 1736  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5



Tgt Ion: 93 Resp: 2600

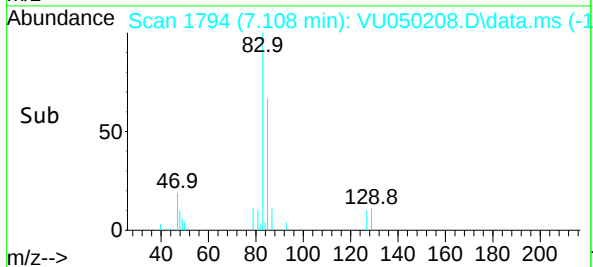
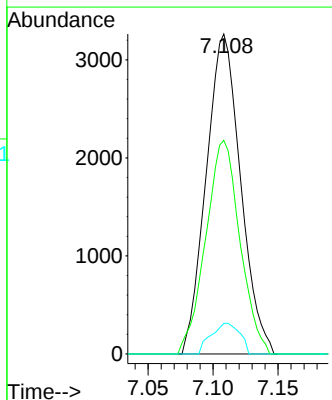
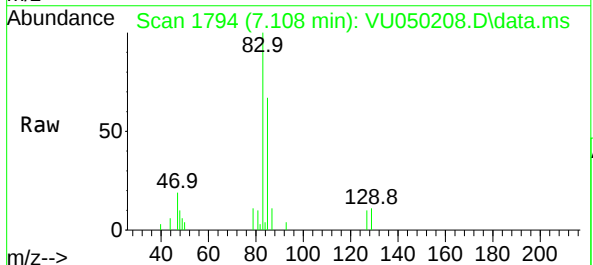
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 84.7  | 65.0  | 97.6  |
| 174 | 95.5  | 76.3  | 114.5 |



#44  
Bromodichloromethane  
Concen: 0.543 ug/l  
RT: 7.108 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion: 83 Resp: 6008

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 66.8  | 49.4  | 74.0  |
| 127 | 9.5   | 6.6   | 10.0  |





#45

4-Methyl-2-Pentanone

Concen: 2.579 ug/l

RT: 7.796 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

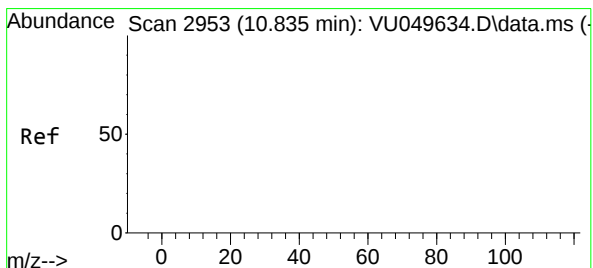
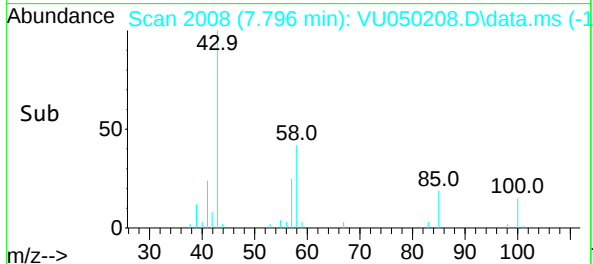
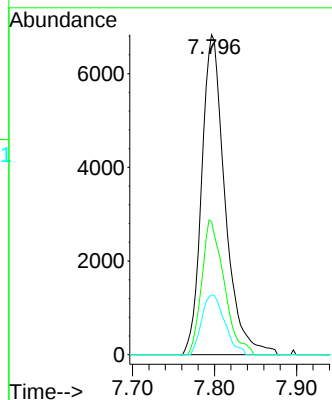
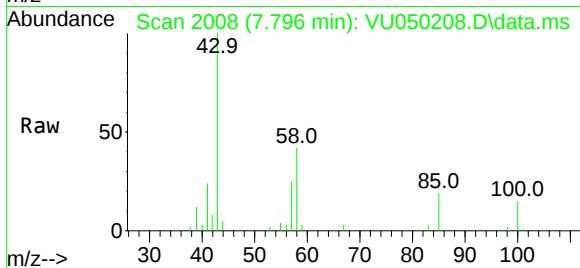
Tgt Ion: 43 Resp: 13492

Ion Ratio Lower Upper

43 100

58 40.2 20.3 61.0

85 18.4 14.6 21.8



#46

t-1,4-Dichloro-2-butene

Concen: 2.411 ug/l

RT: 10.825 min Scan# 2950

Delta R.T. -0.010 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Tgt Ion: 75 Resp: 4989

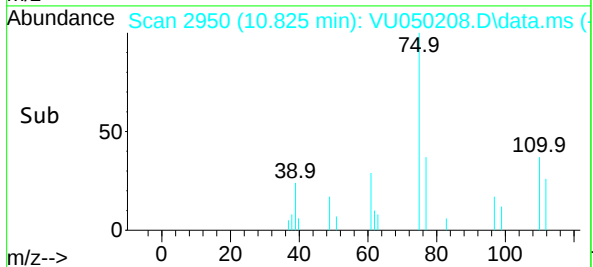
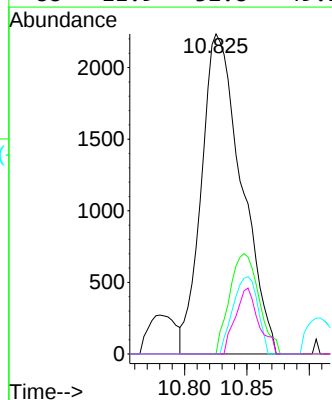
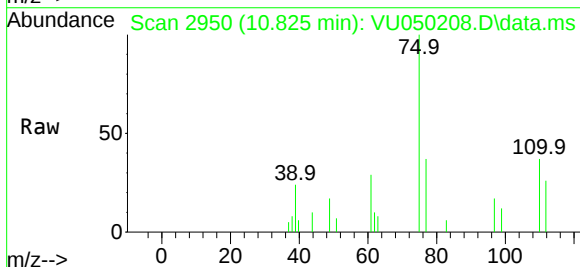
Ion Ratio Lower Upper

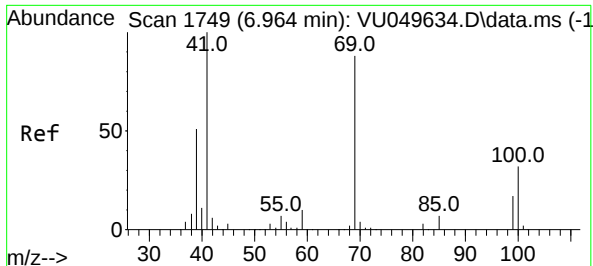
75 100

53 23.1 64.4 96.6#

89 15.0 44.2 66.2#

88 11.9 32.8 49.2#





#47

Methyl methacrylate

Concen: 0.937 ug/l

RT: 6.970 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 69 Resp: 3839

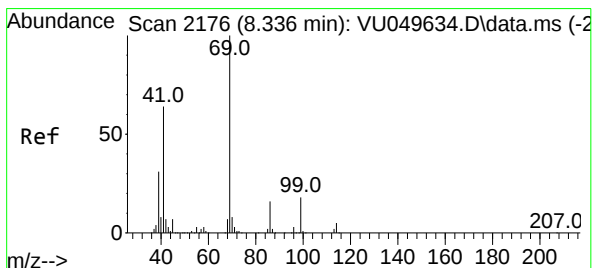
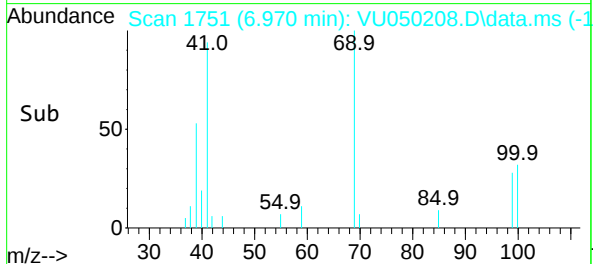
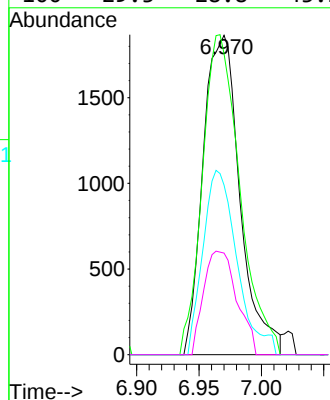
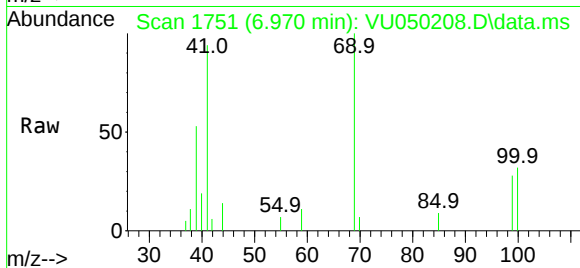
Ion Ratio Lower Upper

69 100

41 101.5 0.0 225.4

39 53.3 45.8 68.8

100 29.3 28.8 43.2



#48

Ethyl methacrylate

Concen: 0.494 ug/l

RT: 8.337 min Scan# 2176

Delta R.T. 0.001 min

Lab File: VU050208.D

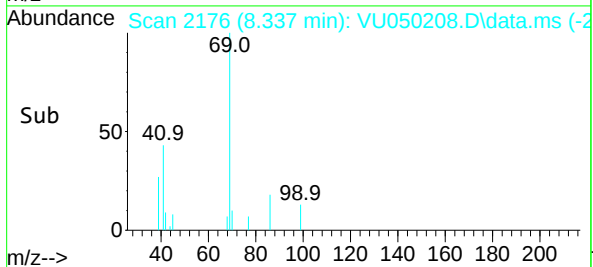
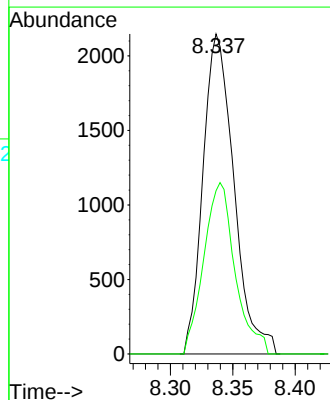
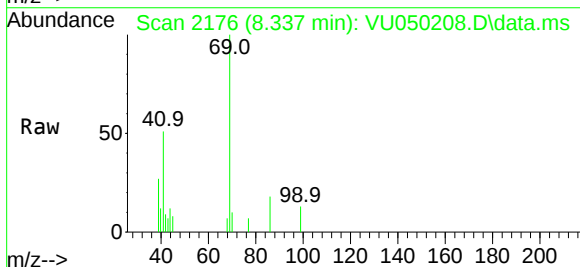
Acq: 10 Aug 2022 09:23

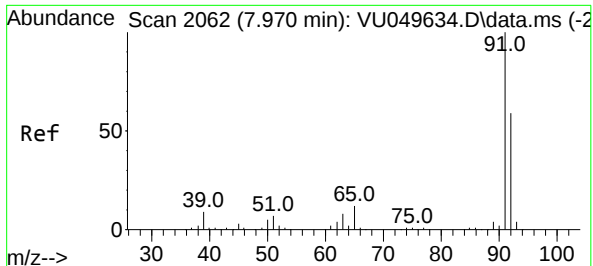
Tgt Ion: 69 Resp: 3711

Ion Ratio Lower Upper

69 100

41 54.2 32.3 96.9





#49

Toluene

Concen: 0.490 ug/l

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

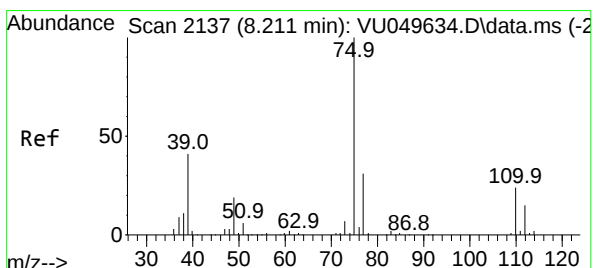
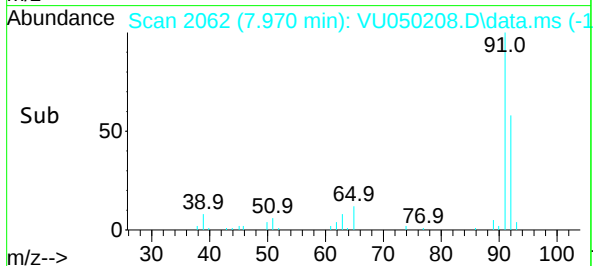
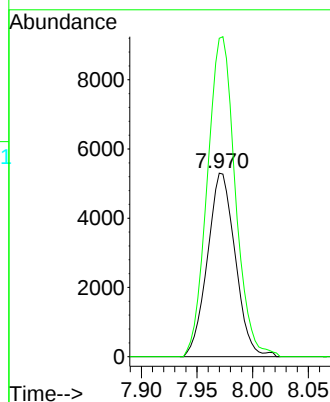
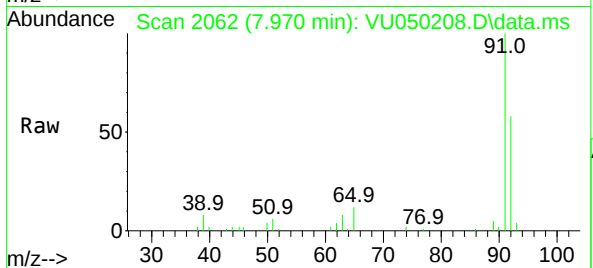
VSTDICC0.5

Tgt Ion: 92 Resp: 9209

Ion Ratio Lower Upper

92 100

91 175.3 138.6 207.8



#50

t-1,3-Dichloropropene

Concen: 0.521 ug/l

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU050208.D

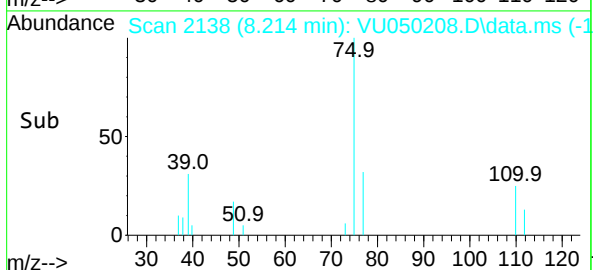
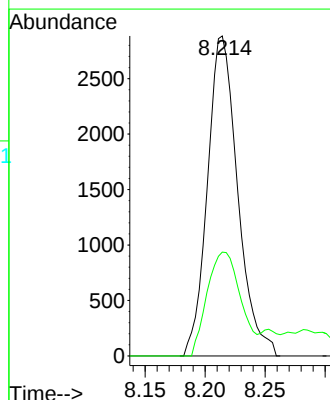
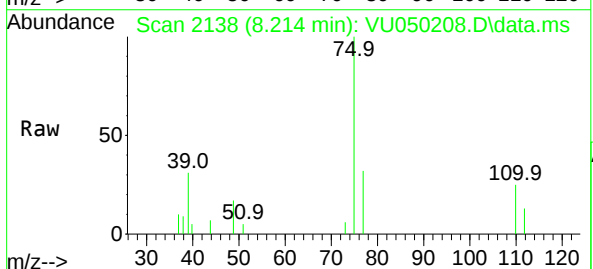
Acq: 10 Aug 2022 09:23

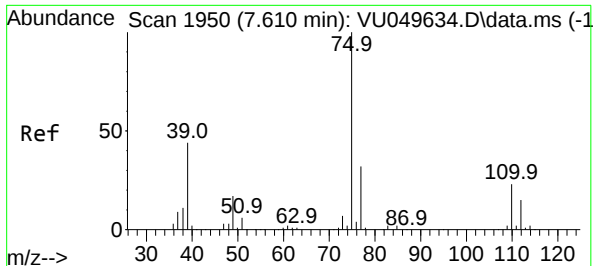
Tgt Ion: 75 Resp: 5055

Ion Ratio Lower Upper

75 100

77 32.4 24.7 37.1

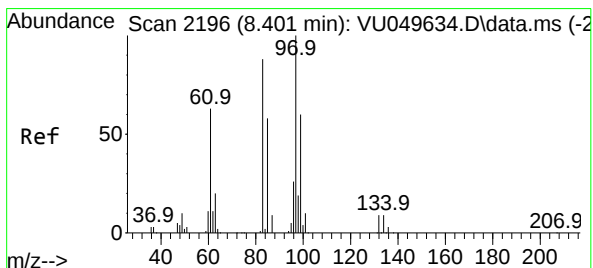
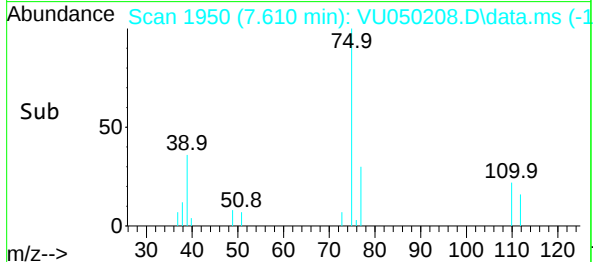
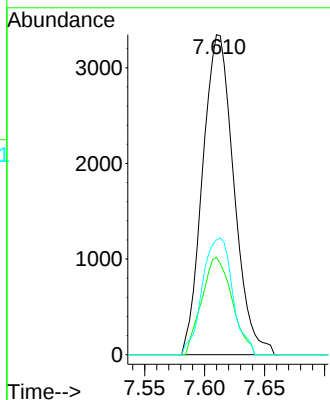
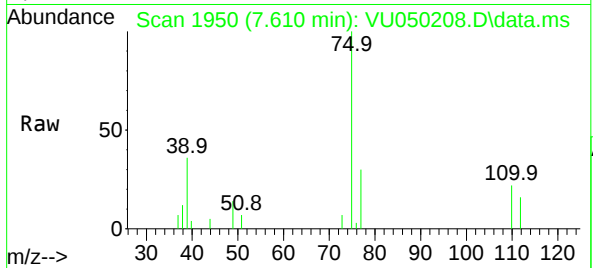




#51  
 cis-1,3-Dichloropropene  
 Concen: 0.529 ug/l  
 RT: 7.610 min Scan# 1950  
 Delta R.T. -0.000 min  
 Lab File: VU050208.D  
 Acq: 10 Aug 2022 09:23

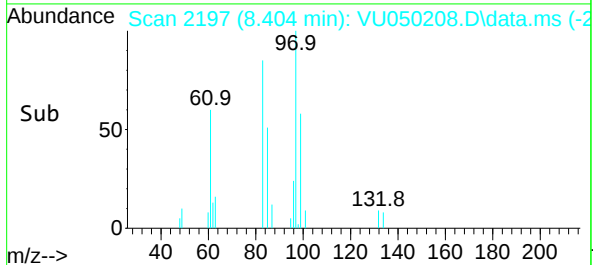
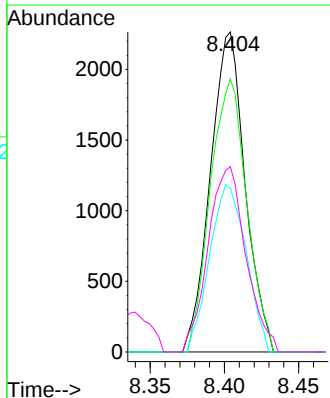
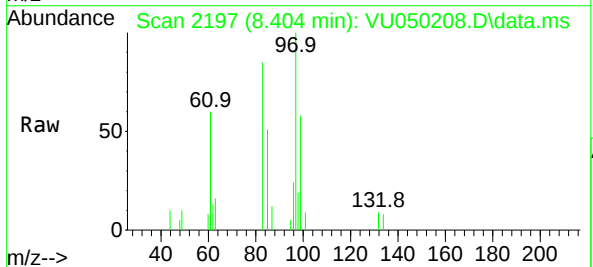
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 6063  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 30.4  | 25.4  | 38.0  |
| 39       | 35.9  | 35.1  | 52.7  |



#52  
 1,1,2-Trichloroethane  
 Concen: 0.547 ug/l  
 RT: 8.404 min Scan# 2197  
 Delta R.T. 0.003 min  
 Lab File: VU050208.D  
 Acq: 10 Aug 2022 09:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 3679  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.3  | 70.6  | 106.0 |
| 85       | 51.1  | 46.2  | 69.4  |
| 99       | 57.9  | 50.0  | 75.0  |





#53

1,3-Dichloropropane

Concen: 0.536 ug/l

RT: 8.578 min Scan# 2251

Delta R.T. -0.000 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

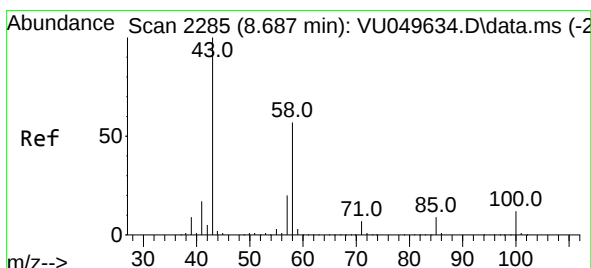
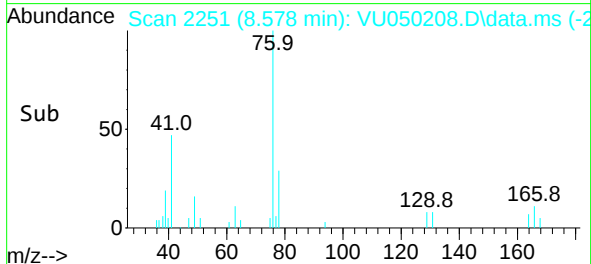
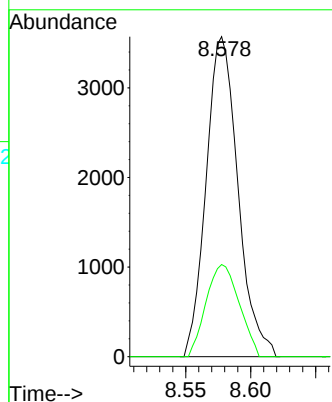
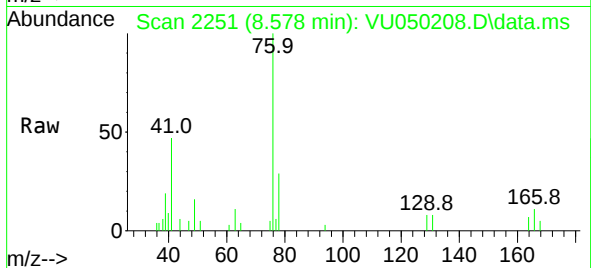
VSTDICC0.5

Tgt Ion: 76 Resp: 6076

Ion Ratio Lower Upper

76 100

78 29.9 26.0 39.0



#54

2-Hexanone

Concen: 2.666 ug/l

RT: 8.693 min Scan# 2287

Delta R.T. 0.006 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

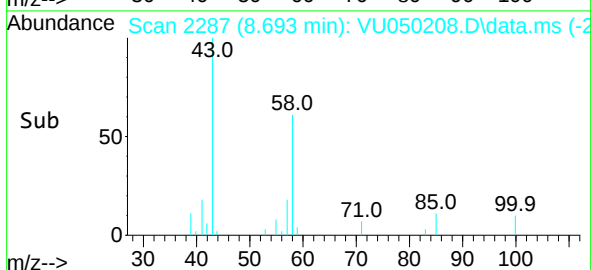
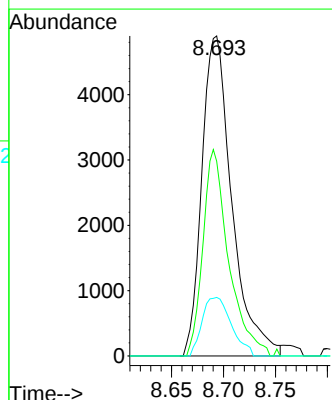
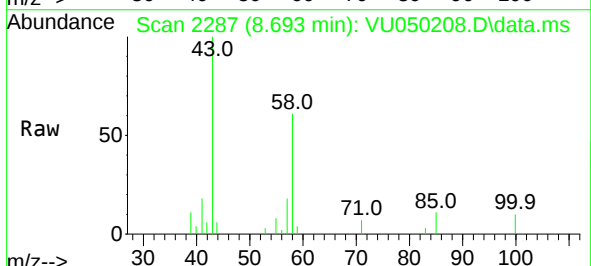
Tgt Ion: 43 Resp: 9842

Ion Ratio Lower Upper

43 100

58 55.3 37.1 77.1

57 17.8 0.0 39.5





#55

Dibromochloromethane

Concen: 0.576 ug/l

RT: 8.812 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

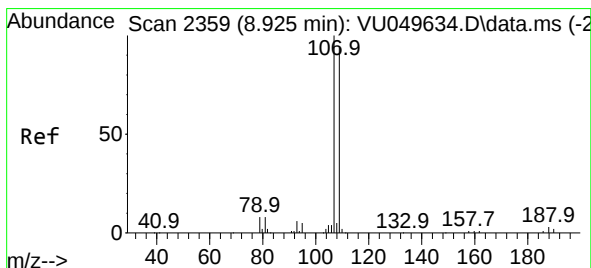
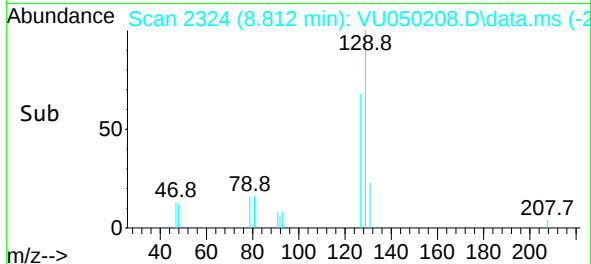
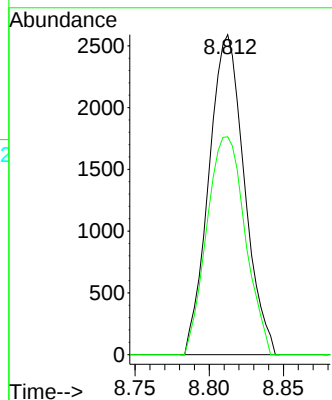
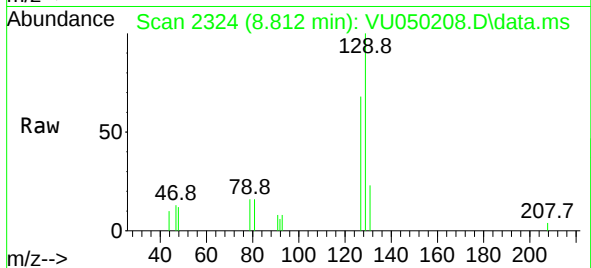
VSTDIC0.5

Tgt Ion:129 Resp: 4305

Ion Ratio Lower Upper

129 100

127 73.6 61.2 91.8



#56

1,2-Dibromoethane

Concen: 0.533 ug/l

RT: 8.925 min Scan# 2359

Delta R.T. -0.000 min

Lab File: VU050208.D

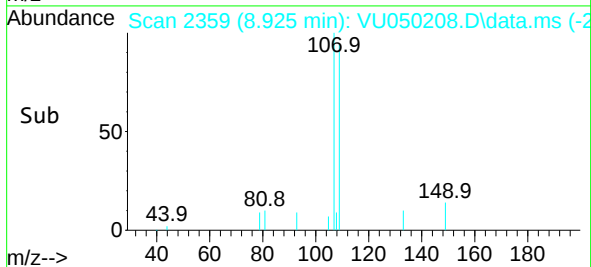
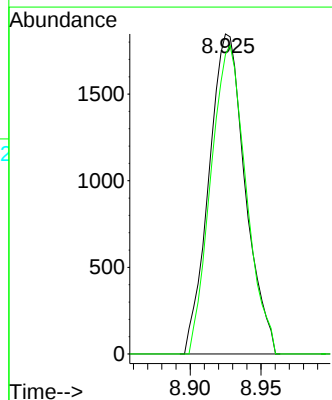
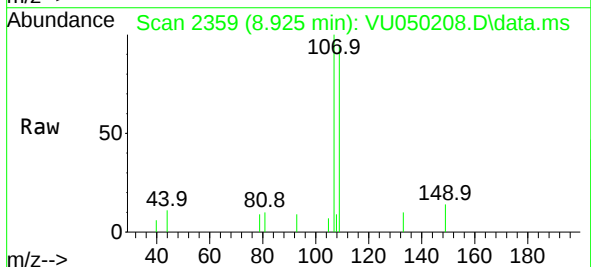
Acq: 10 Aug 2022 09:23

Tgt Ion:107 Resp: 3291

Ion Ratio Lower Upper

107 100

109 93.6 0.0 187.2

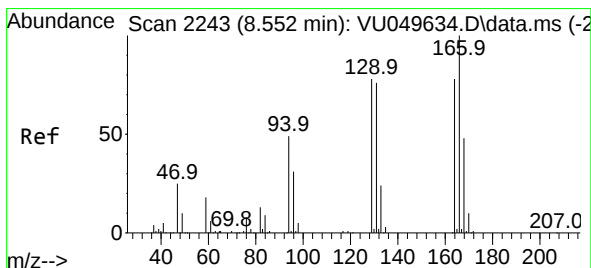
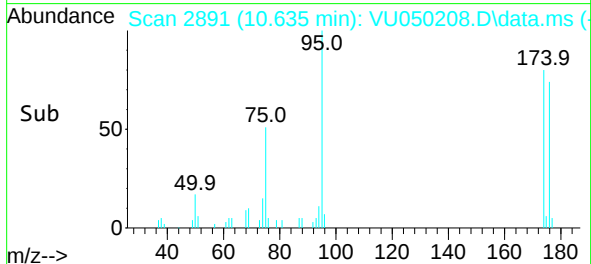
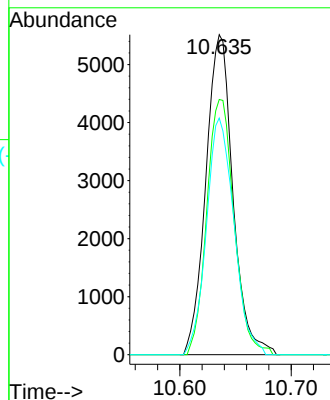
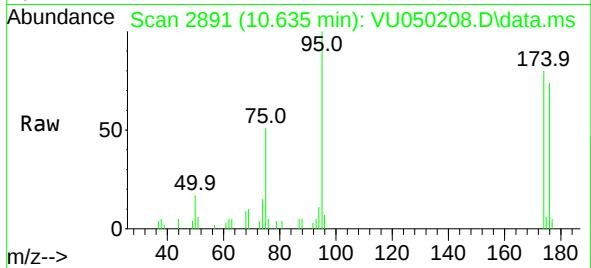




#57  
4-Bromofluorobenzene  
Concen: 1.011 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

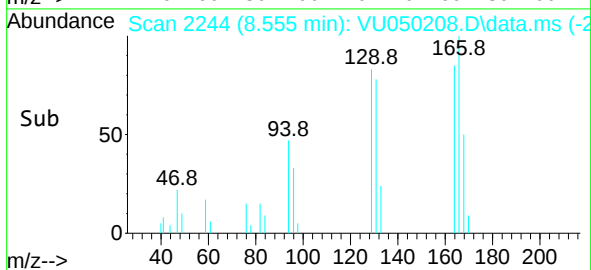
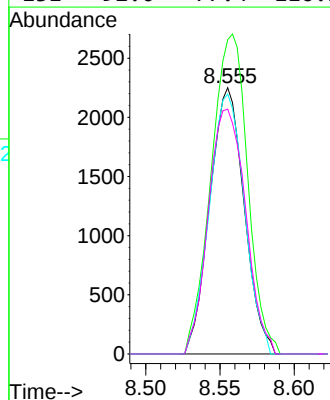
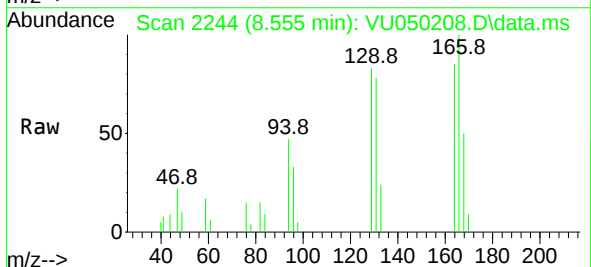
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

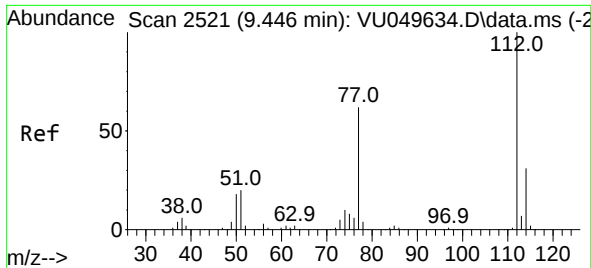
Tgt Ion: 95 Resp: 9326  
Ion Ratio Lower Upper  
95 100  
174 80.4 62.4 93.6  
176 75.2 56.2 84.2



#58  
Tetrachloroethene  
Concen: 0.542 ug/l  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion: 164 Resp: 3625  
Ion Ratio Lower Upper  
164 100  
166 118.0 102.4 153.6  
129 97.6 79.5 119.3  
131 92.0 77.4 116.2

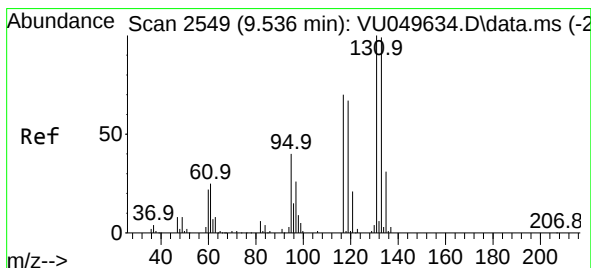
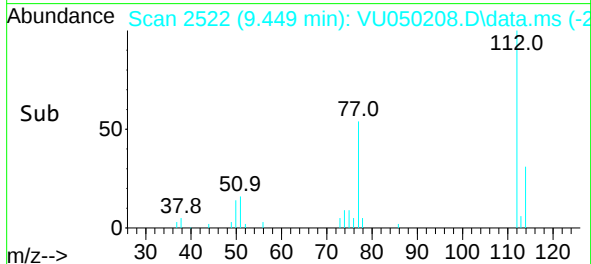
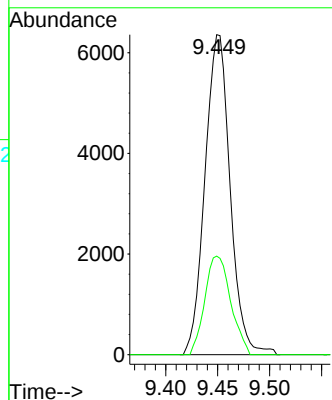
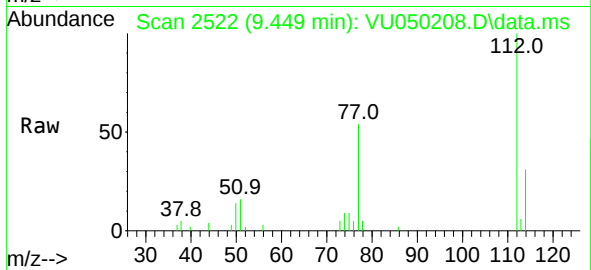




#59  
Chlorobenzene  
Concen: 0.537 ug/l  
RT: 9.449 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

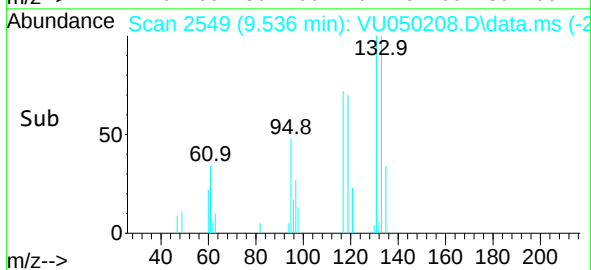
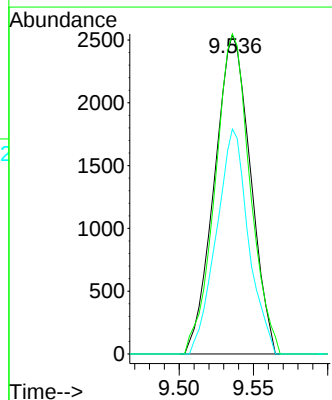
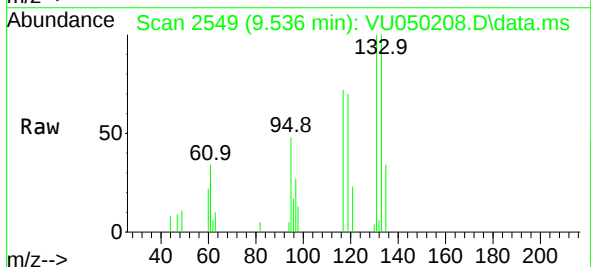
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

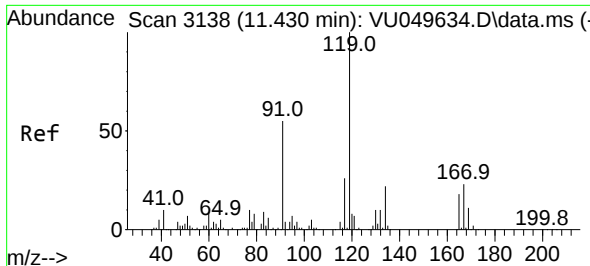
Tgt Ion:112 Resp: 10722  
Ion Ratio Lower Upper  
112 100  
114 30.8 24.9 37.3



#60  
1,1,1,2-Tetrachloroethane  
Concen: 0.547 ug/l  
RT: 9.536 min Scan# 2549  
Delta R.T. -0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion:131 Resp: 4273  
Ion Ratio Lower Upper  
131 100  
133 97.3 78.3 117.5  
119 63.0 53.2 79.8

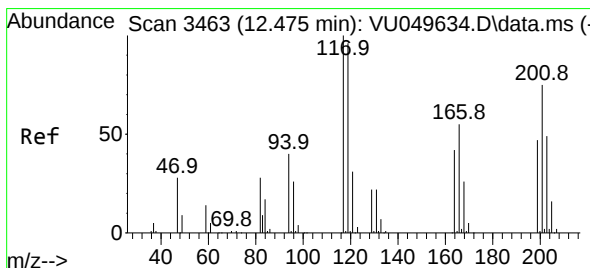
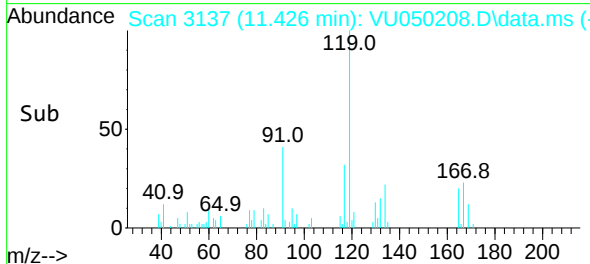
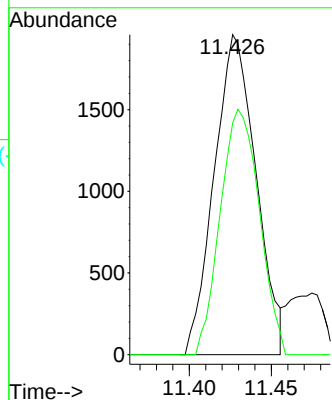
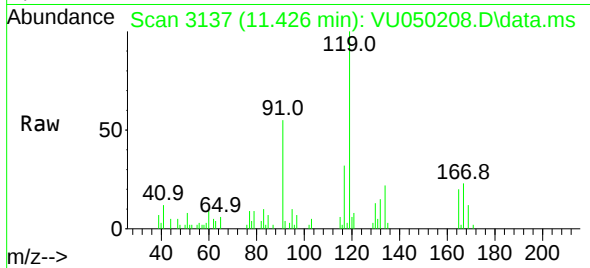




#61  
 Pentachloroethane  
 Concen: 0.546 ug/l  
 RT: 11.426 min Scan# 3138  
 Delta R.T. -0.004 min  
 Lab File: VU050208.D  
 Acq: 10 Aug 2022 09:23

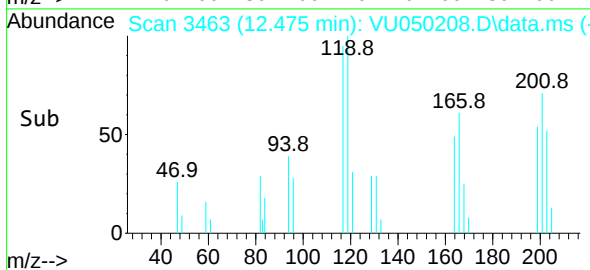
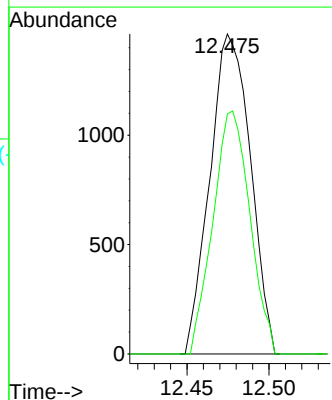
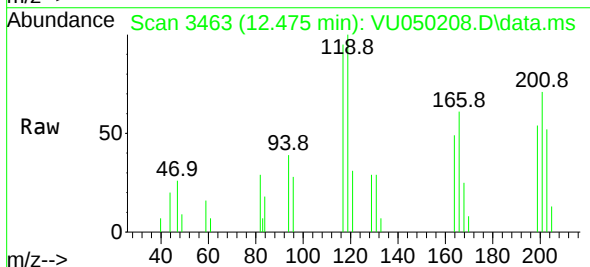
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

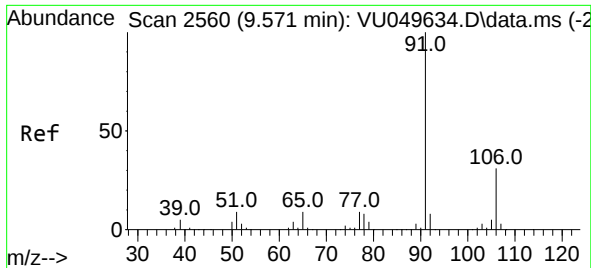
Tgt Ion:117 Resp: 3467  
 Ion Ratio Lower Upper  
 117 100  
 167 71.7 66.2 99.4



#62  
 Hexachloroethane  
 Concen: 0.501 ug/l  
 RT: 12.475 min Scan# 3463  
 Delta R.T. -0.000 min  
 Lab File: VU050208.D  
 Acq: 10 Aug 2022 09:23

Tgt Ion:117 Resp: 2511  
 Ion Ratio Lower Upper  
 117 100  
 201 69.2 61.0 91.4

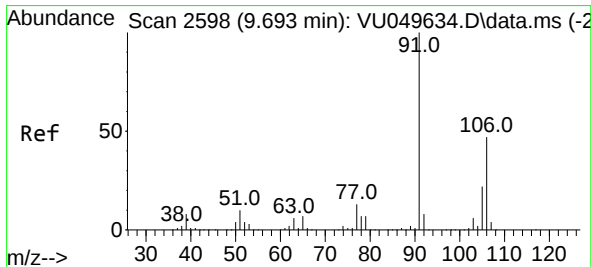
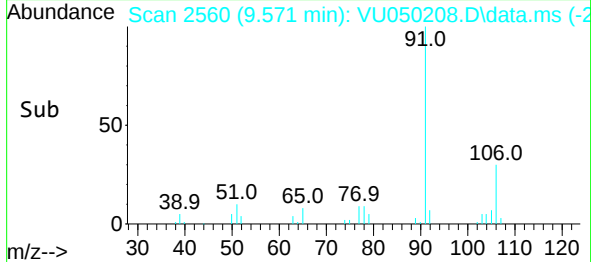
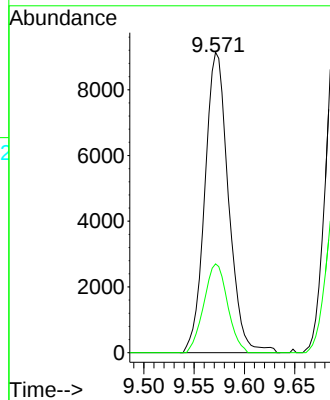
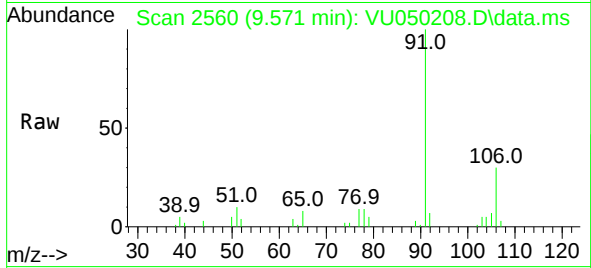




#63  
Ethyl Benzene  
Concen: 0.462 ug/l  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

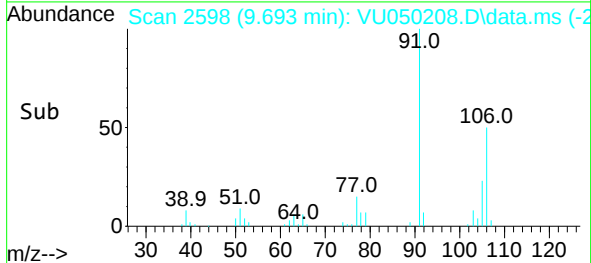
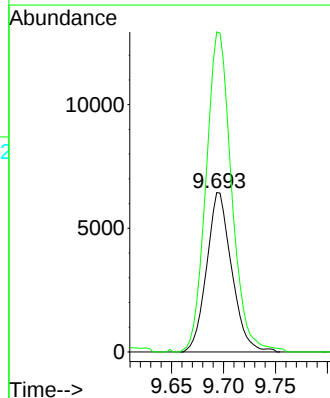
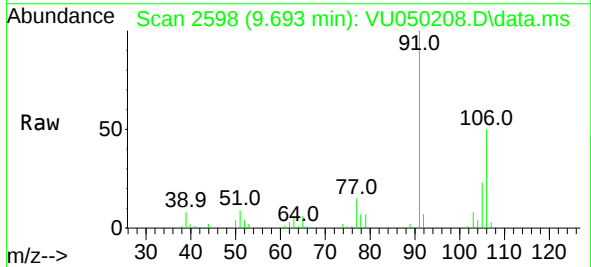
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

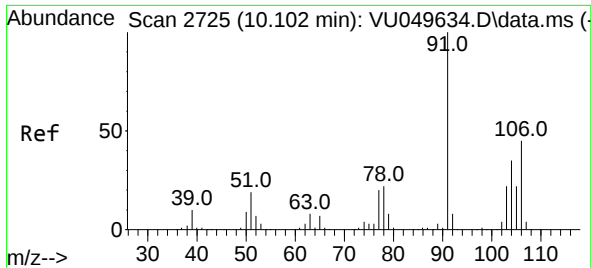
Tgt Ion: 91 Resp: 14958  
Ion Ratio Lower Upper  
91 100  
106 29.5 24.4 36.6



#64  
m/p-Xylenes  
Concen: 0.878 ug/l  
RT: 9.693 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion: 106 Resp: 10802  
Ion Ratio Lower Upper  
106 100  
91 204.8 167.8 251.6

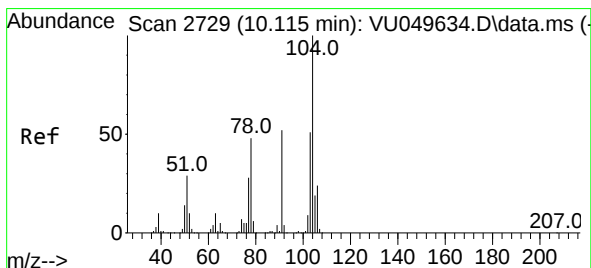
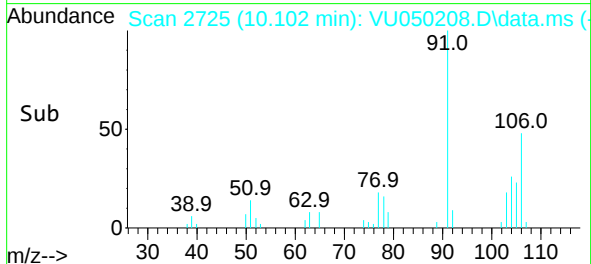
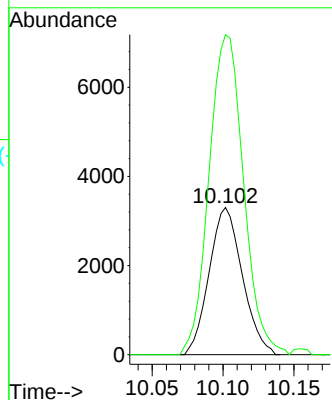
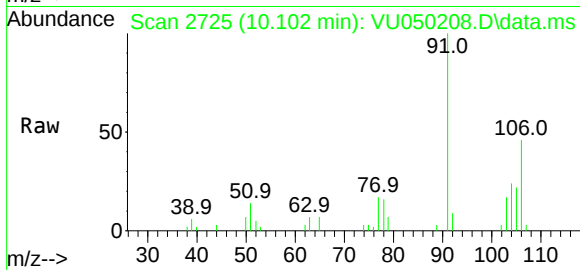




#65  
o-Xylene  
Concen: 0.449 ug/l  
RT: 10.102 min Scan# 2725  
Delta R.T. -0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

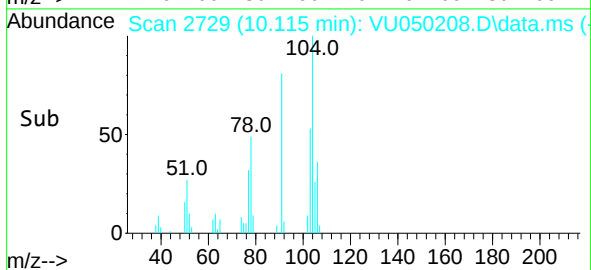
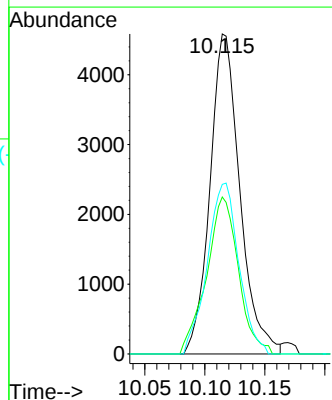
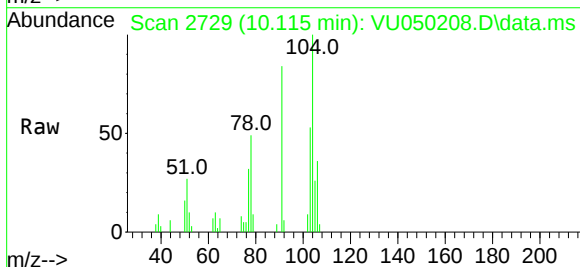
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

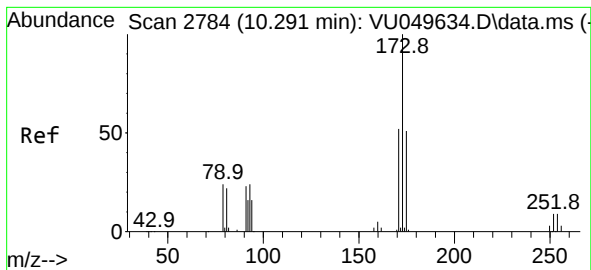
Tgt Ion:106 Resp: 5393  
Ion Ratio Lower Upper  
106 100  
91 225.7 111.1 333.2



#66  
Styrene  
Concen: 0.414 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion:104 Resp: 7945  
Ion Ratio Lower Upper  
104 100  
78 52.3 42.1 63.1  
103 56.3 44.5 66.7





#67

Bromoform

Concen: 0.558 ug/l

RT: 10.295 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

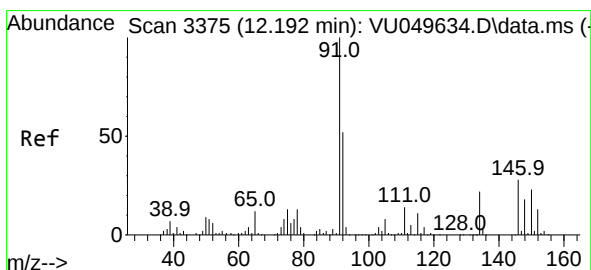
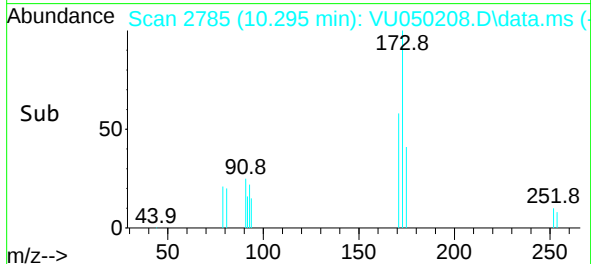
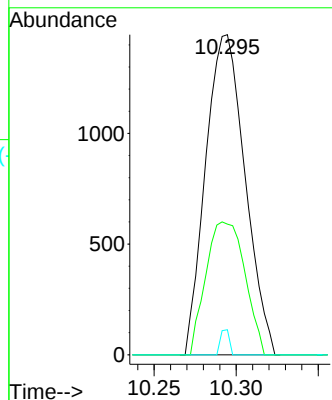
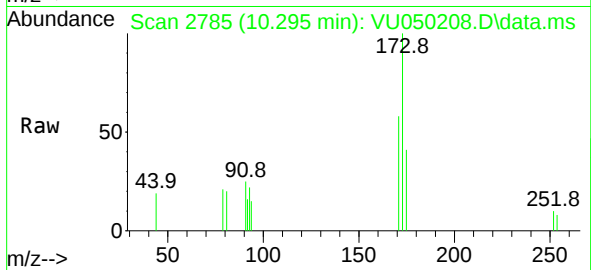
Tgt Ion:173 Resp: 2411

Ion Ratio Lower Upper

173 100

175 41.1 38.4 57.6

254 1.8 7.7 11.5#



#68

1,2-Dichlorobenzene-d4

Concen: 0.974 ug/l

RT: 12.195 min Scan# 3376

Delta R.T. 0.003 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

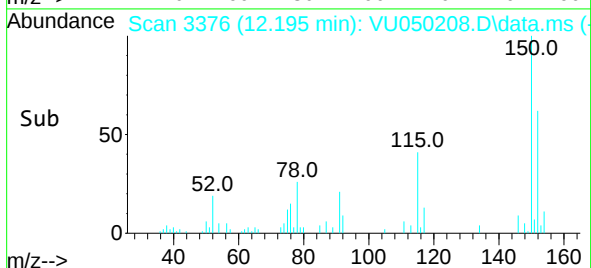
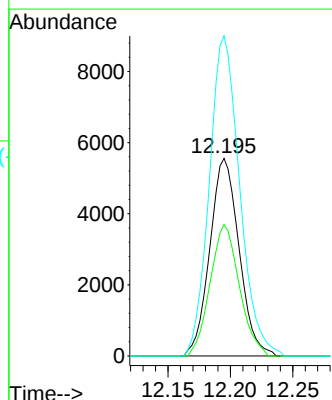
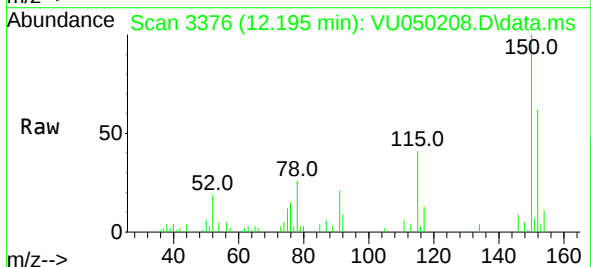
Tgt Ion:152 Resp: 9088

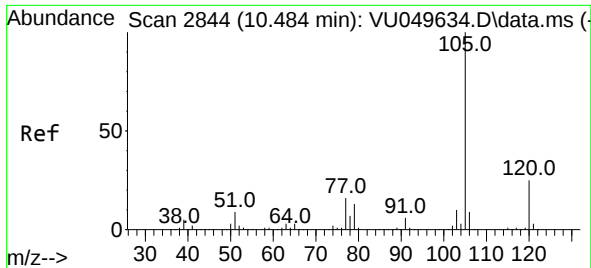
Ion Ratio Lower Upper

152 100

115 66.3 0.0 254.6

150 168.1 0.0 623.6

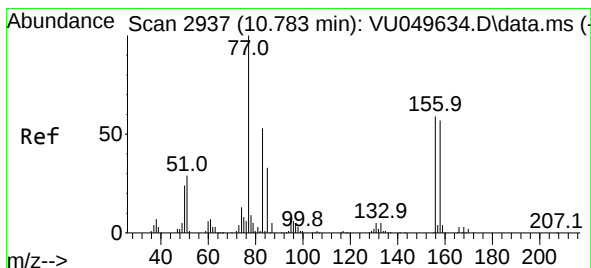
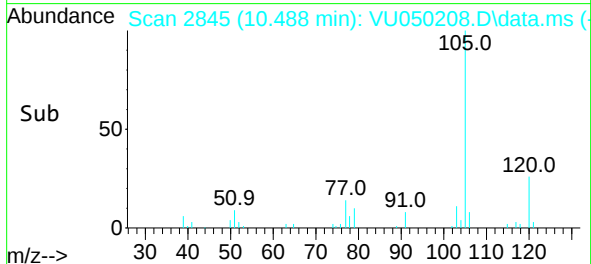
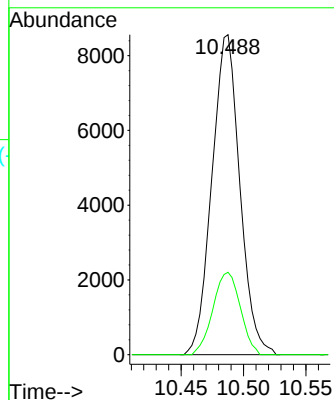
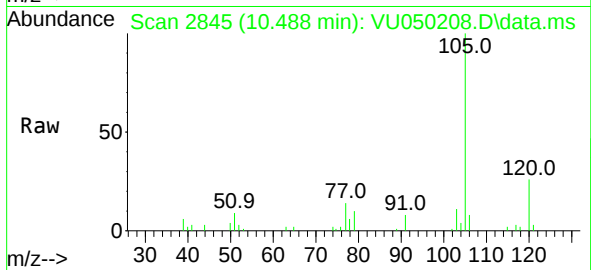




#69  
Isopropylbenzene  
Concen: 0.444 ug/l  
RT: 10.488 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

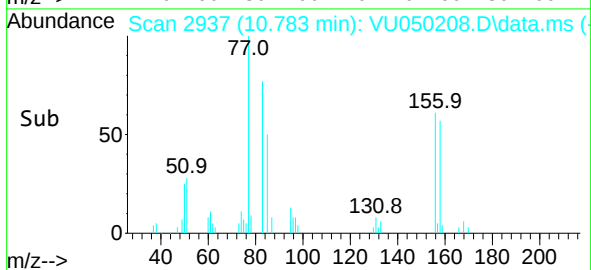
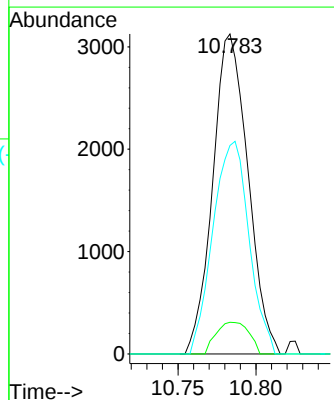
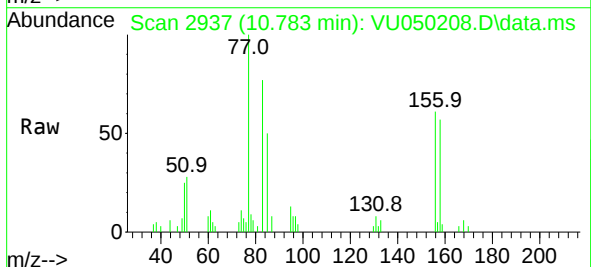
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

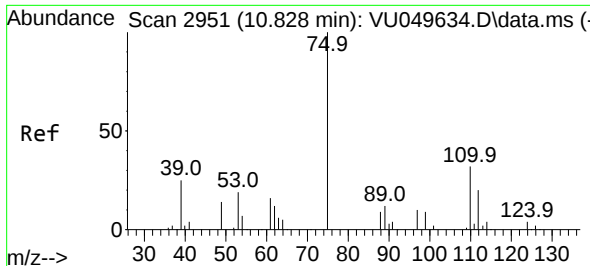
Tgt Ion:105 Resp: 13345  
Ion Ratio Lower Upper  
105 100  
120 25.2 12.6 37.8



#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.543 ug/l  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion: 83 Resp: 4911  
Ion Ratio Lower Upper  
83 100  
131 9.2 7.7 11.5  
85 68.1 51.2 76.8

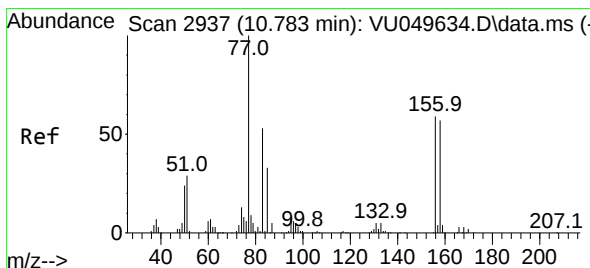
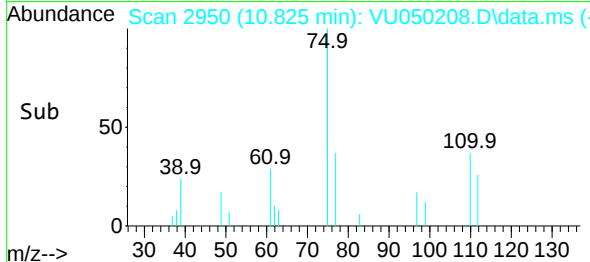
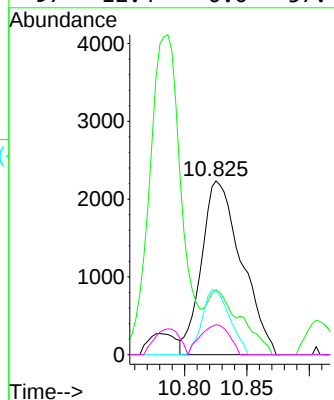
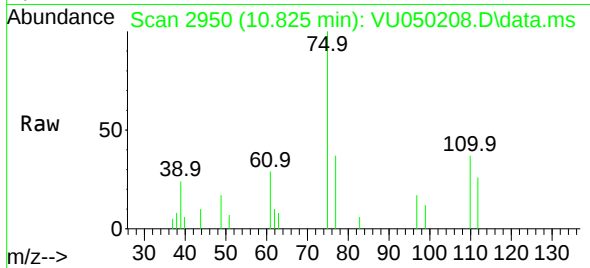




#71  
1,2,3-Trichloropropane  
Concen: 0.751 ug/l  
RT: 10.825 min Scan# 2951  
Delta R.T. -0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

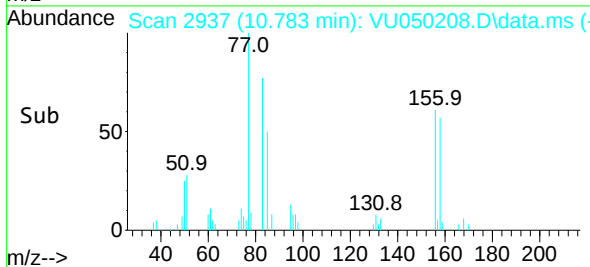
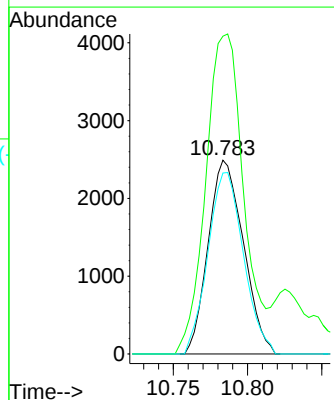
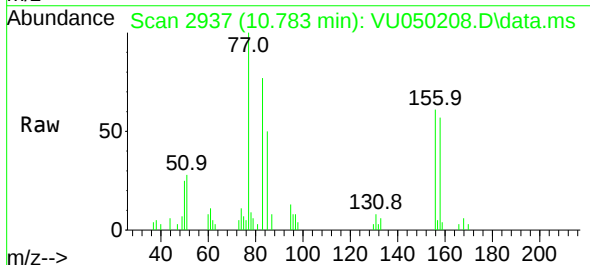
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

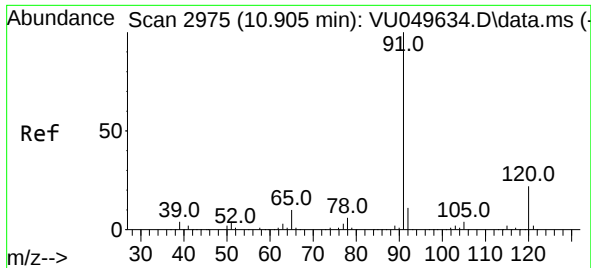
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4989  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 30.3  | 0.0   | 112.4 |
| 110      | 25.6  | 0.0   | 70.6  |
| 97       | 12.4  | 0.0   | 37.4  |



#72  
Bromobenzene  
Concen: 0.503 ug/l  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 4113  |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 175.9 | 0.0   | 344.4 |
| 158      | 94.4  | 0.0   | 192.2 |

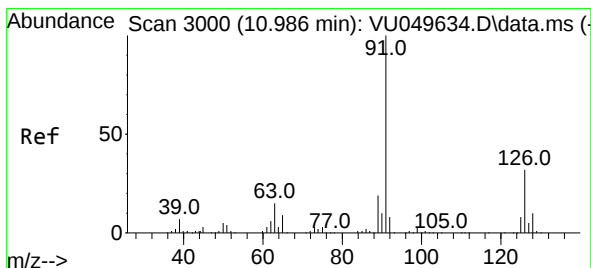
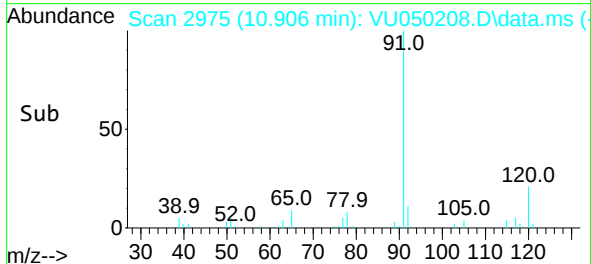
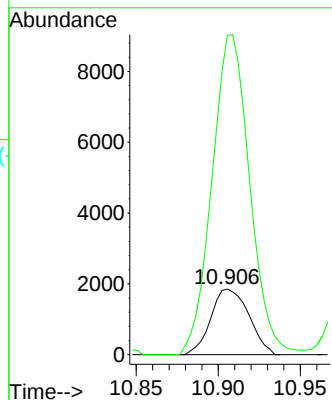
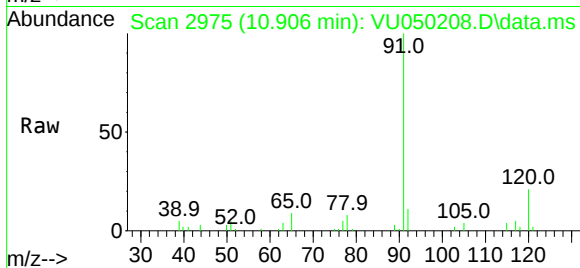




#73  
n-propylbenzene  
Concen: 0.400 ug/l  
RT: 10.906 min Scan# 2975  
Delta R.T. 0.001 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

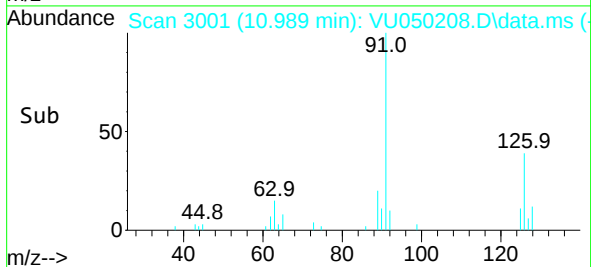
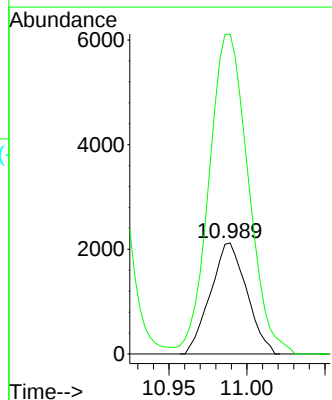
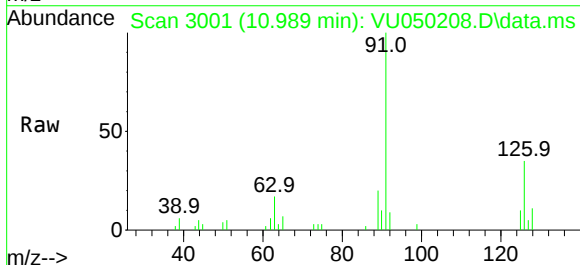
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

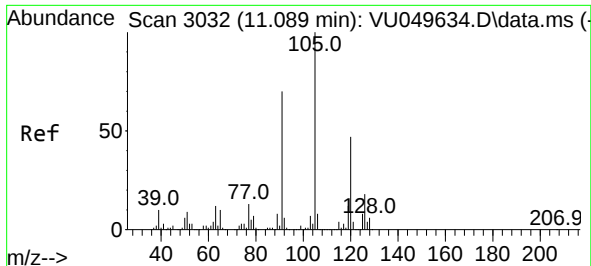
Tgt Ion:120 Resp: 2984  
Ion Ratio Lower Upper  
120 100  
91 484.1 367.8 551.6



#74  
2-Chlorotoluene  
Concen: 0.448 ug/l  
RT: 10.989 min Scan# 3001  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion:126 Resp: 3426  
Ion Ratio Lower Upper  
126 100  
91 312.2 0.0 620.6

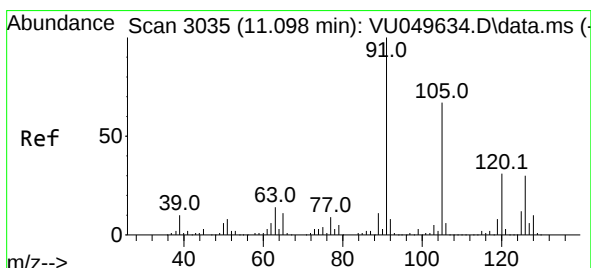
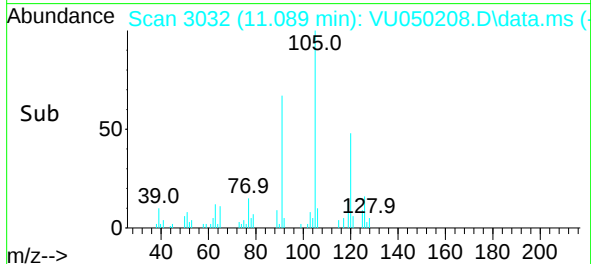
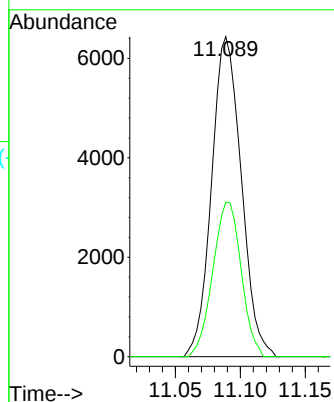
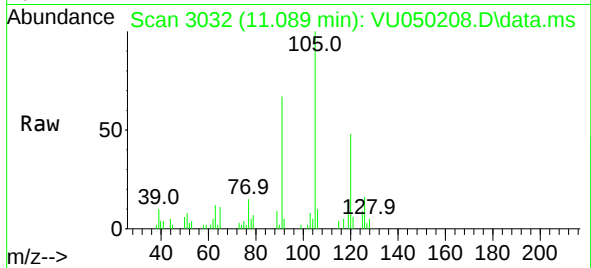




#75  
1,3,5-Trimethylbenzene  
Concen: 0.399 ug/l  
RT: 11.089 min Scan# 3032  
Delta R.T. -0.000 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

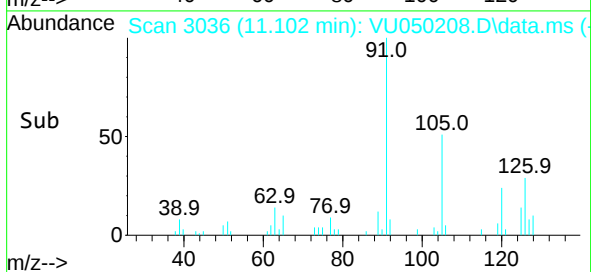
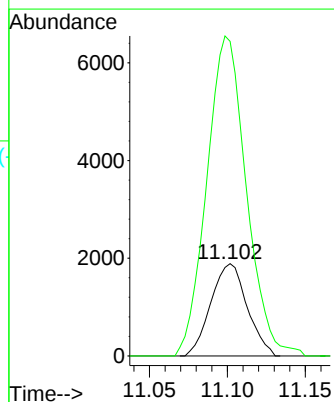
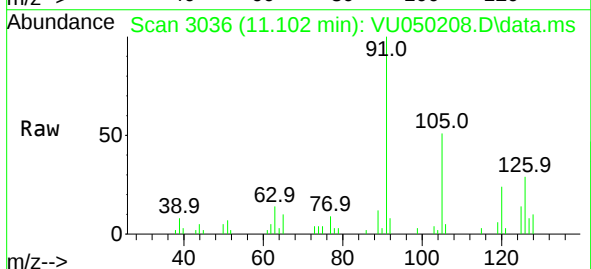
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

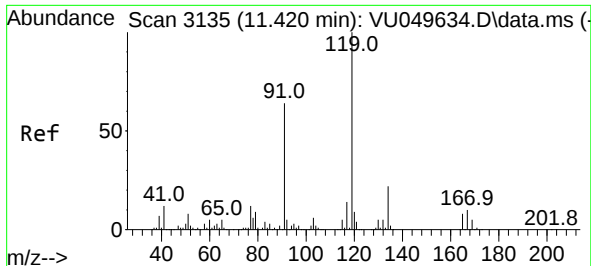
Tgt Ion:105 Resp: 10214  
Ion Ratio Lower Upper  
105 100  
120 46.1 37.6 56.4



#76  
4-Chlorotoluene  
Concen: 0.403 ug/l  
RT: 11.102 min Scan# 3036  
Delta R.T. 0.004 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion:126 Resp: 3053  
Ion Ratio Lower Upper  
126 100  
91 378.3 0.0 738.8

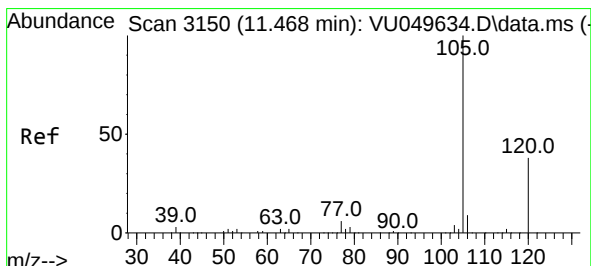
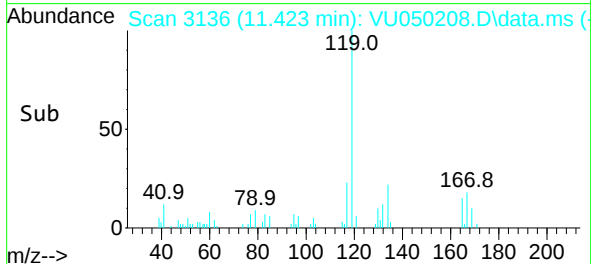
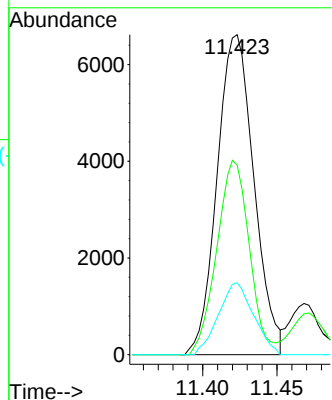
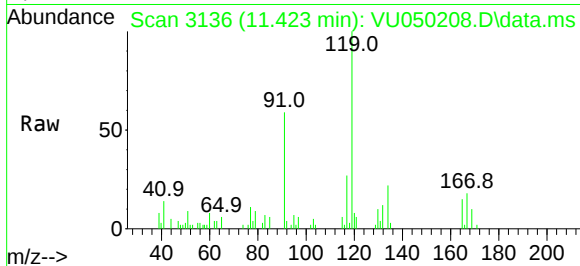




#77  
tert-Butylbenzene  
Concen: 0.449 ug/l  
RT: 11.423 min Scan# 3135  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

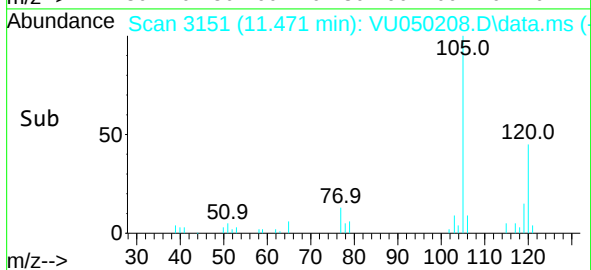
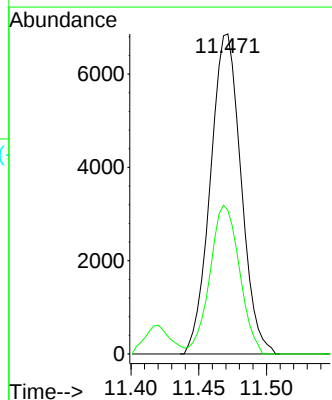
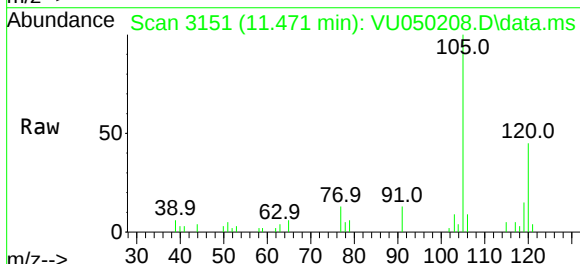
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

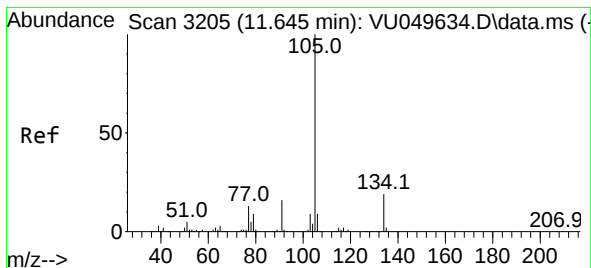
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 11408 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 53.8  | 30.4  | 91.3  |
| 134      | 21.4  | 17.8  | 26.6  |



#78  
1,2,4-Trimethylbenzene  
Concen: 0.413 ug/l  
RT: 11.471 min Scan# 3151  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 10786 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 44.9  | 21.6  | 65.0  |





#79

sec-Butylbenzene

Concen: 0.414 ug/l

RT: 11.645 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

Instrument :

MSVOA\_U

ClientSampleId :

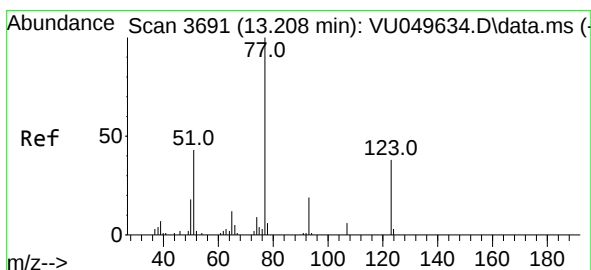
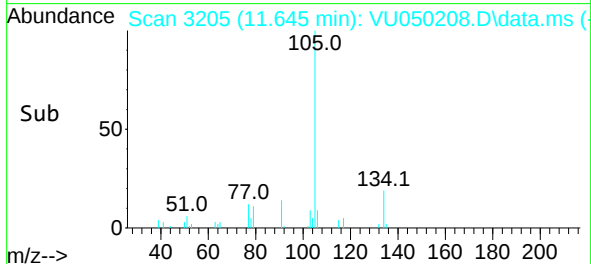
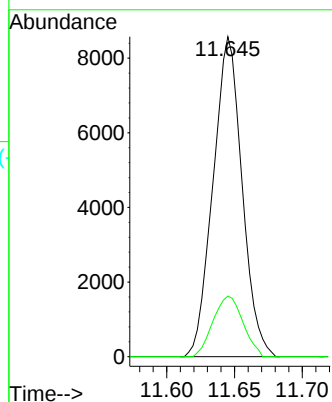
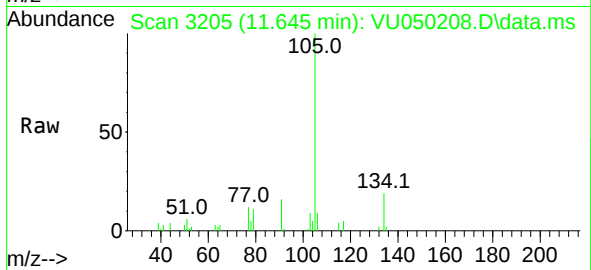
VSTDICC0.5

Tgt Ion:105 Resp: 12773

Ion Ratio Lower Upper

105 100

134 19.5 15.4 23.0



#80

Nitrobenzene

Concen: 2.445 ug/l

RT: 13.221 min Scan# 3695

Delta R.T. 0.013 min

Lab File: VU050208.D

Acq: 10 Aug 2022 09:23

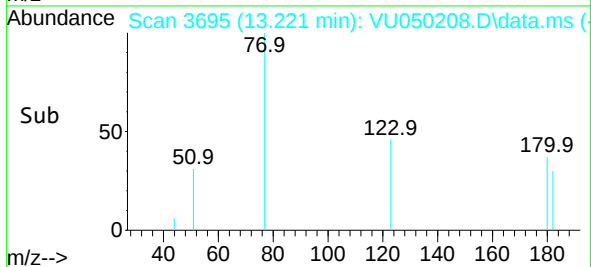
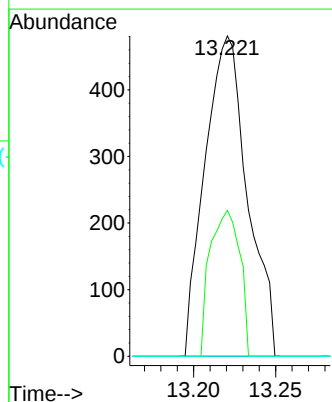
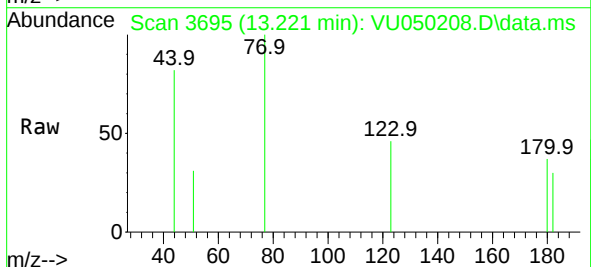
Tgt Ion: 77 Resp: 867

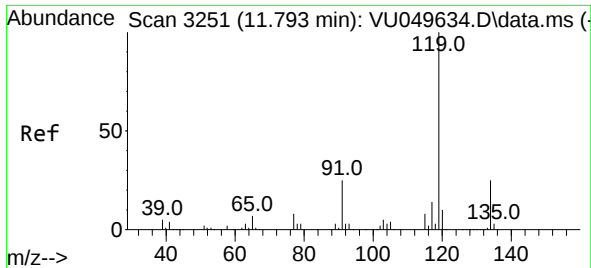
Ion Ratio Lower Upper

77 100

123 31.7 18.1 64.3

65 0.0 10.8 13.8#

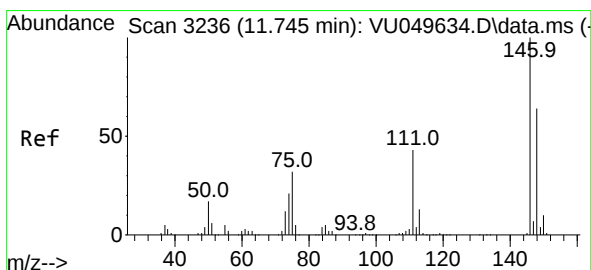
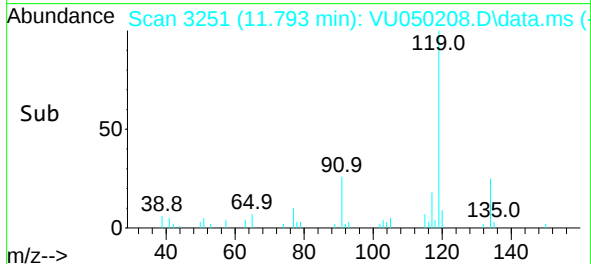
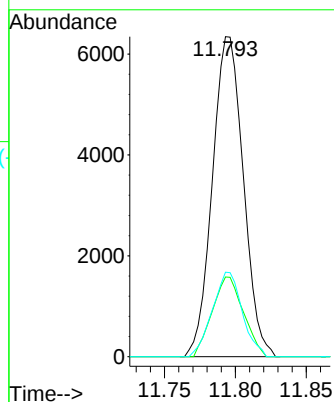
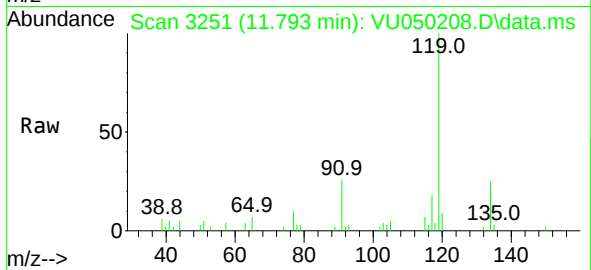




#81  
 p-Isopropyltoluene  
 Concen: 0.394 ug/l  
 RT: 11.793 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU050208.D  
 Acq: 10 Aug 2022 09:23

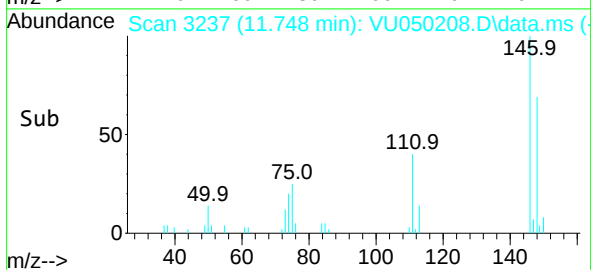
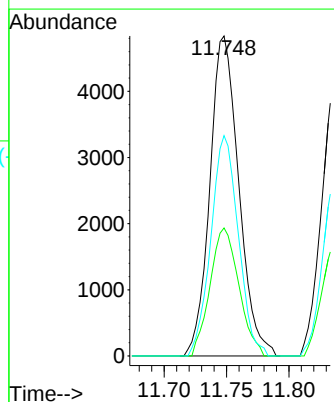
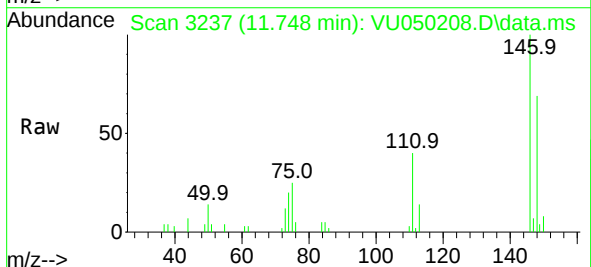
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

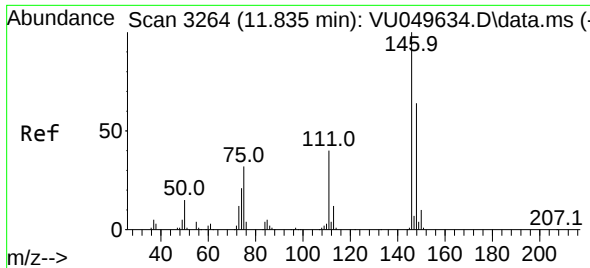
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 9645  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 25.1  | 20.5  | 30.7  |
| 91       | 25.5  | 19.8  | 29.6  |



#82  
 1,3-Dichlorobenzene  
 Concen: 0.504 ug/l  
 RT: 11.748 min Scan# 3237  
 Delta R.T. 0.003 min  
 Lab File: VU050208.D  
 Acq: 10 Aug 2022 09:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 7815  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 39.9  | 33.4  | 50.2  |
| 148      | 65.3  | 51.2  | 76.8  |

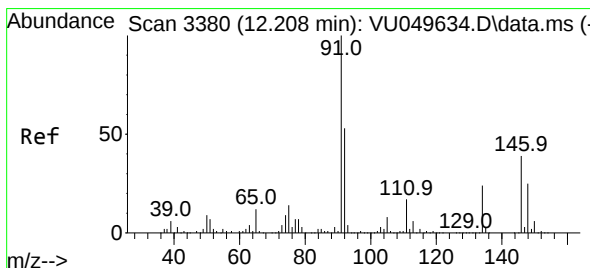
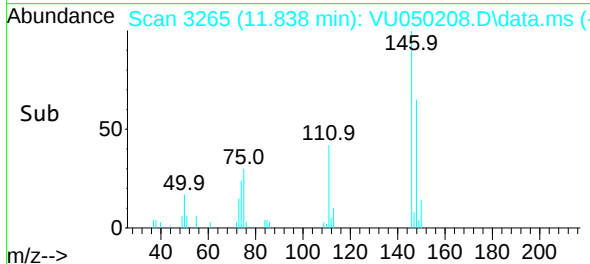
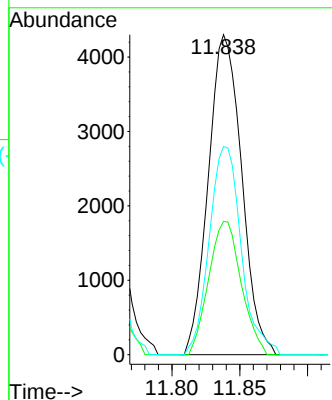
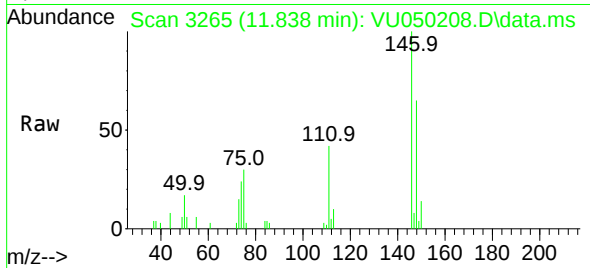




#83  
1,4-Dichlorobenzene  
Concen: 0.487 ug/l  
RT: 11.838 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

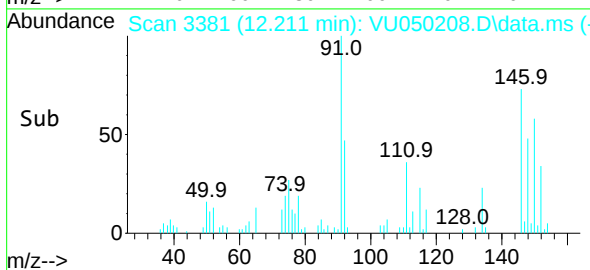
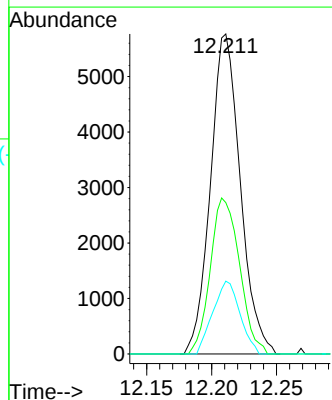
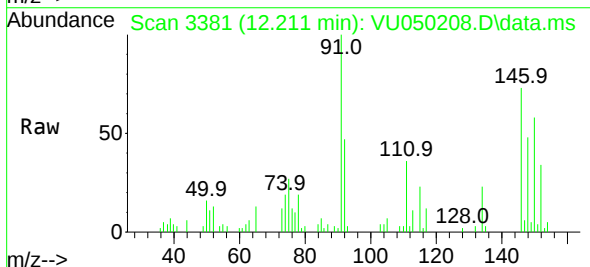
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

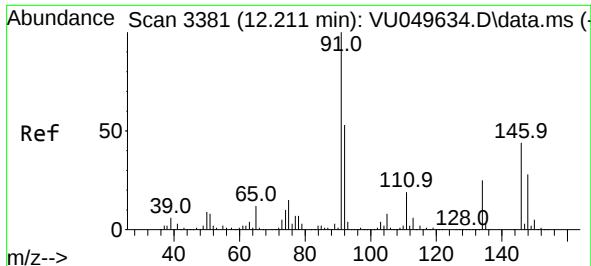
Tgt Ion:146 Resp: 7338  
Ion Ratio Lower Upper  
146 100  
111 40.6 32.6 49.0  
148 62.5 51.6 77.4



#84  
n-Butylbenzene  
Concen: 0.433 ug/l  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Tgt Ion: 91 Resp: 9210  
Ion Ratio Lower Upper  
91 100  
92 47.8 42.3 63.5  
134 20.6 19.6 29.4

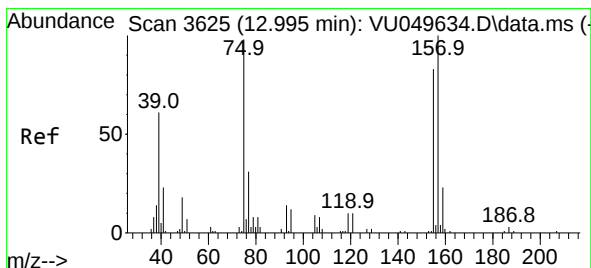
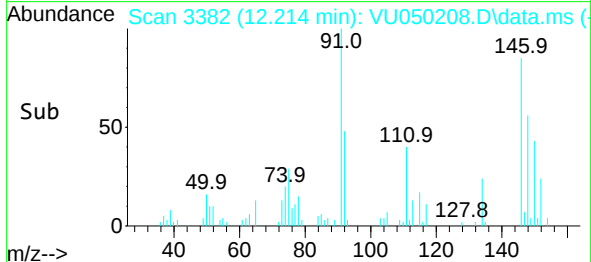
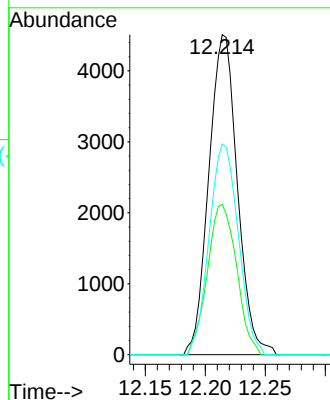
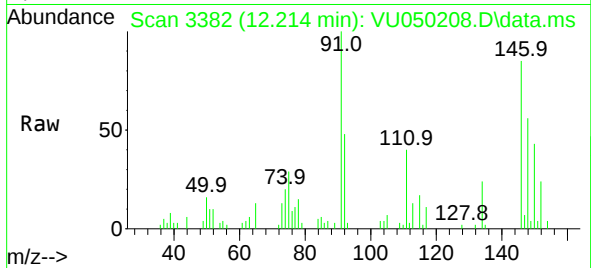




#85  
 1,2-Dichlorobenzene  
 Concen: 0.496 ug/l  
 RT: 12.214 min Scan# 311  
 Delta R.T. 0.003 min  
 Lab File: VU050208.D  
 Acq: 10 Aug 2022 09:23

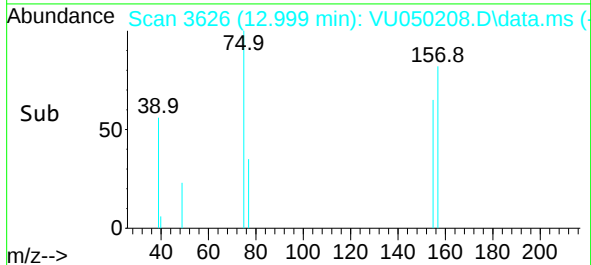
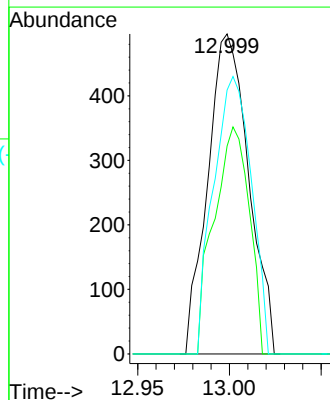
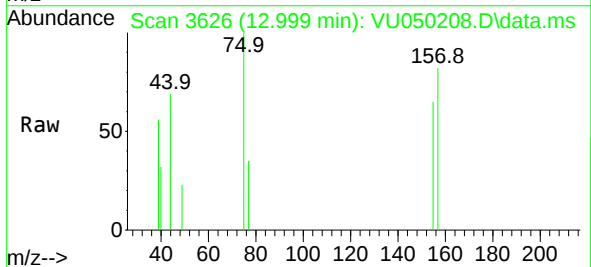
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion:146 Resp: 7468  
 Ion Ratio Lower Upper  
 146 100  
 111 48.0 22.1 66.1  
 148 67.1 32.1 96.3



#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.555 ug/l  
 RT: 12.999 min Scan# 3626  
 Delta R.T. 0.004 min  
 Lab File: VU050208.D  
 Acq: 10 Aug 2022 09:23

Tgt Ion: 75 Resp: 771  
 Ion Ratio Lower Upper  
 75 100  
 155 61.0 66.8 100.2#  
 157 79.9 83.8 125.8#

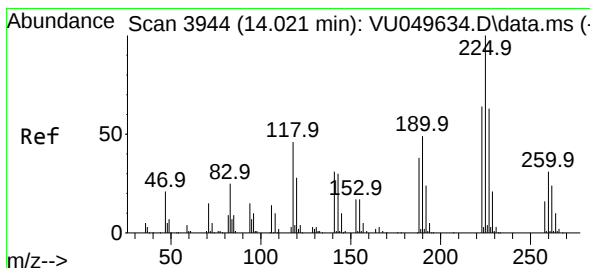
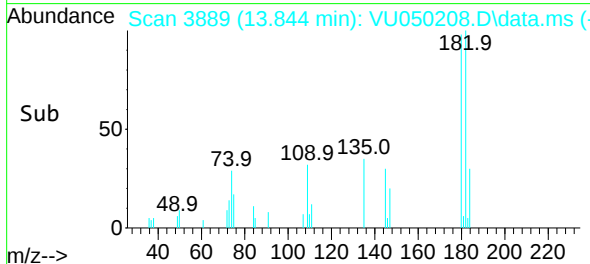
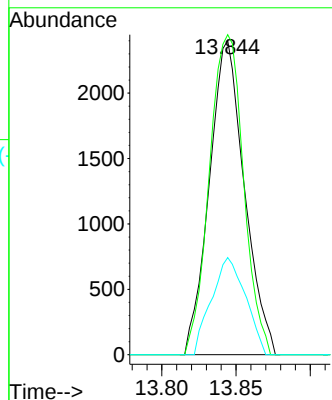
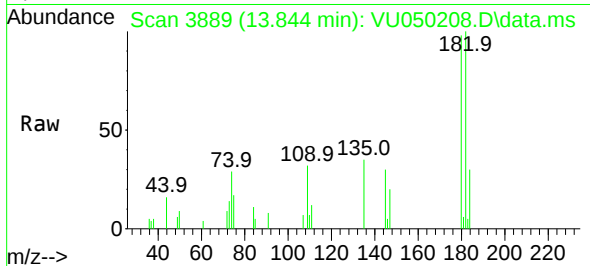




#87  
1,2,4-Trichlorobenzene  
Concen: 0.468 ug/l  
RT: 13.844 min Scan# 3940  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

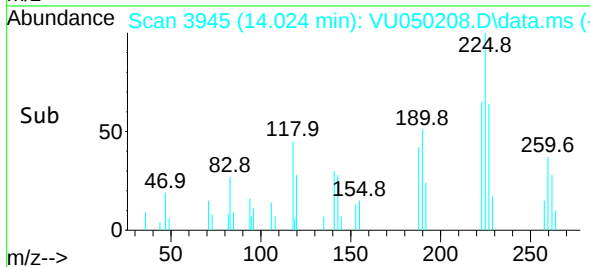
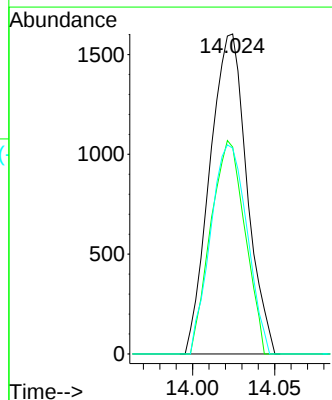
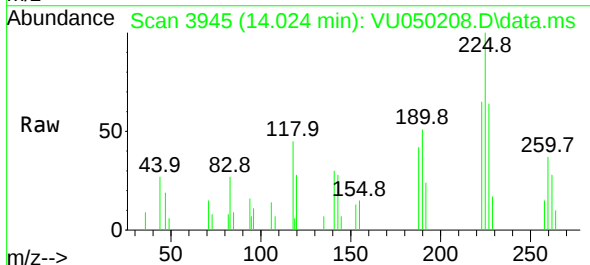
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

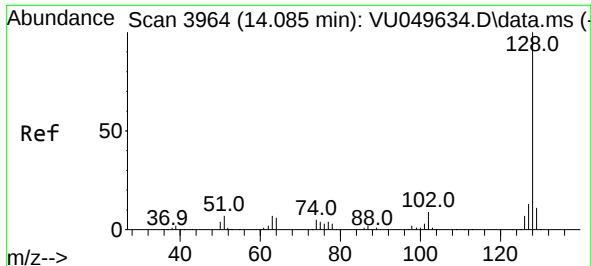
Tgt Ion:180 Resp: 3940  
Ion Ratio Lower Upper  
180 100  
182 99.2 77.0 115.6  
145 30.1 25.7 38.5



#88  
Hexachlorobutadiene  
Concen: 0.510 ug/l  
RT: 14.024 min Scan# 3945  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

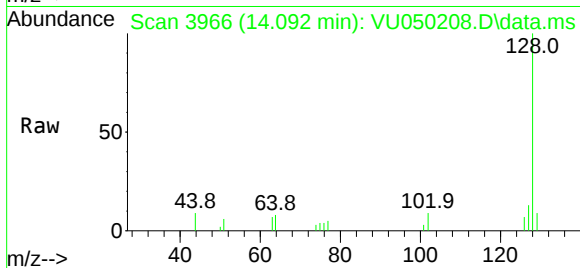
Tgt Ion:225 Resp: 2512  
Ion Ratio Lower Upper  
225 100  
223 61.7 50.6 76.0  
227 64.5 50.7 76.1



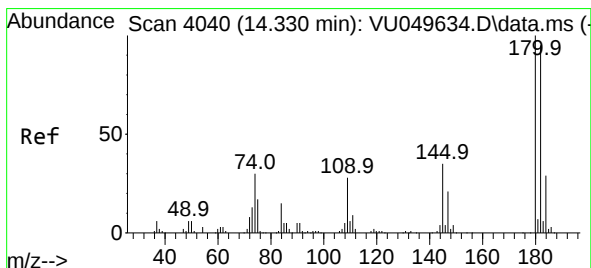
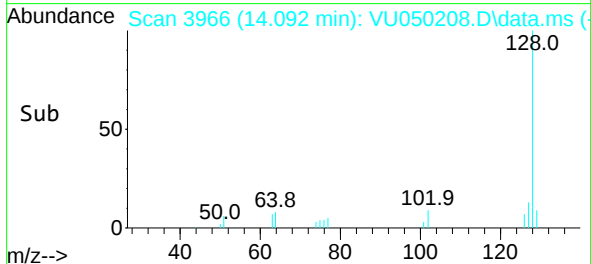
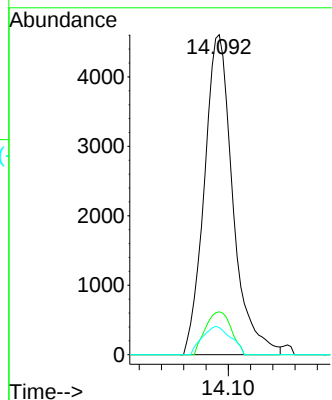


#89  
Naphthalene  
Concen: 0.472 ug/l  
RT: 14.092 min Scan# 3966  
Delta R.T. 0.007 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 8202  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.1  | 10.1  | 15.1  |
| 129      | 8.8   | 8.6   | 12.8  |



#90  
1,2,3-Trichlorobenzene  
Concen: 0.498 ug/l  
RT: 14.333 min Scan# 4041  
Delta R.T. 0.003 min  
Lab File: VU050208.D  
Acq: 10 Aug 2022 09:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 4313  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 97.8  | 76.6  | 114.8 |
| 145      | 33.5  | 27.3  | 40.9  |

