

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040622\  
 Data File : VU047830.D  
 Acq On : 06 Apr 2022 14:21  
 Operator : SY/MD  
 Sample : VSTDIC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

Quant Time: Apr 07 05:54:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U040622DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Apr 07 05:50:20 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units    | Dev(Min) |
|------------------------------|--------|------|----------|-------|----------|----------|
| -----                        |        |      |          |       |          |          |
| Internal Standards           |        |      |          |       |          |          |
| 1) Fluorobenzene             | 6.118  | 96   | 50643    | 1.000 | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |          |          |
| 57) 4-Bromofluorobenzene     | 10.635 | 95   | 16466    | 0.886 | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 89.000%  |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.195 | 152  | 20888    | 1.153 | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 115.000% |          |
| Target Compounds             |        |      |          |       |          |          |
|                              |        |      |          |       |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.388  | 85   | 9078     | 0.474 | ug/l     | 89       |
| 3) Chloromethane             | 1.526  | 50   | 10798    | 0.535 | ug/l     | 98       |
| 4) Vinyl Chloride            | 1.607  | 62   | 9269     | 0.454 | ug/l     | 96       |
| 5) Bromomethane              | 1.861  | 94   | 5447     | 0.472 | ug/l     | 91       |
| 6) Chloroethane              | 1.938  | 64   | 5713     | 0.430 | ug/l     | 96       |
| 7) Trichlorofluoromethane    | 2.144  | 101  | 12104    | 0.497 | ug/l     | 99       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.587  | 101  | 6811     | 0.485 | ug/l     | 95       |
| 9) 1,1-Dichloroethene        | 2.587  | 96   | 7215     | 0.545 | ug/l     | 99       |
| 10) Iodomethane              | 2.729  | 142  | 4646     | 0.357 | ug/l     | 96       |
| 11) Allyl Chloride           | 2.925  | 41   | 10171    | 0.532 | ug/l     | 90       |
| 12) Acrylonitrile            | 3.327  | 53   | 3422     | 1.024 | ug/l     | # 87     |
| 13) Acetone                  | 2.649  | 43   | 8212     | 2.171 | ug/l     | 95       |
| 14) Carbon Disulfide         | 2.797  | 76   | 23200    | 0.573 | ug/l     | 98       |
| 15) Methylene Chloride       | 3.051  | 84   | 22575    | 1.405 | ug/l     | 98       |
| 16) trans-1,2-Dichloroethene | 3.356  | 96   | 8178     | 0.575 | ug/l     | 83       |
| 17) 1,1-Dichloroethane       | 3.877  | 63   | 12596    | 0.481 | ug/l     | 97       |
| 18) 2-Butanone               | 4.735  | 43   | 8875     | 1.830 | ug/l     | 99       |
| 19) Cyclohexane              | 5.391  | 56   | 8043     | 0.339 | ug/l     | 87       |
| 20) Methylcyclohexane        | 6.764  | 83   | 9484     | 0.395 | ug/l     | 98       |
| 21) 2,2-Dichloropropane      | 4.671  | 77   | 10092    | 0.454 | ug/l     | 91       |
| 22) cis-1,2-Dichloroethene   | 4.674  | 96   | 7433     | 0.477 | ug/l     | 93       |
| 23) Diethyl Ether            | 2.382  | 59   | 5161     | 0.426 | ug/l     | 98       |
| 24) tert-Butyl Alcohol       | 3.243  | 59   | 6390     | 6.238 | ug/l     | # 82     |
| 25) Methyl tert-Butyl Ether  | 3.372  | 73   | 17520    | 0.483 | ug/l     | 96       |
| 26) Bromochloromethane       | 4.983  | 128  | 3856     | 0.565 | ug/l     | 97       |
| 27) Chloroform               | 5.095  | 83   | 13166    | 0.486 | ug/l     | 91       |
| 28) 1,1,1-Trichloroethane    | 5.317  | 97   | 11192    | 0.503 | ug/l     | 98       |
| 29) 1,1-Dichloropropene      | 5.529  | 75   | 8682     | 0.430 | ug/l     | 97       |
| 30) Carbon Tetrachloride     | 5.526  | 117  | 9563     | 0.543 | ug/l     | 91       |
| 31) Isopropyl Ether          | 4.005  | 45   | 16541    | 0.406 | ug/l     | 96       |
| 32) Ethyl-t-butyl ether      | 4.510  | 59   | 16279    | 0.399 | ug/l     | 97       |
| 33) Tert-Amyl methyl ether   | 5.947  | 73   | 13999    | 0.385 | ug/l     | 97       |
| 34) Propionitrile            | 4.806  | 54   | 2954     | 2.362 | ug/l     | # 64     |
| 35) Benzene                  | 5.780  | 78   | 27391    | 0.468 | ug/l     | 100      |
| 36) 1,2-Dichloroethane       | 5.800  | 62   | 8093     | 0.438 | ug/l     | 98       |
| 37) Trichloroethene          | 6.546  | 130  | 8379     | 0.574 | ug/l     | 94       |
| 38) 1,2-Dichloropropane      | 6.796  | 63   | 7001     | 0.463 | ug/l     | 99       |
| 39) Methacrylonitrile        | 4.986  | 41   | 1101     | 0.223 | ug/l     | # 61     |
| 40) Methyl acrylate          | 4.870  | 55   | 2533     | 0.313 | ug/l     | # 83     |
| 41) Tetrahydrofuran          | 5.076  | 42   | 2776     | 0.993 | ug/l     | # 71     |
| 42) 1-Chlorobutane           | 5.465  | 56   | 11119    | 0.389 | ug/l     | 90       |
| 43) Dibromomethane           | 6.925  | 93   | 4129     | 0.539 | ug/l     | 99       |
| 44) Bromodichloromethane     | 7.108  | 83   | 9447     | 0.500 | ug/l     | 98       |

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 Sample : VSTDIC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

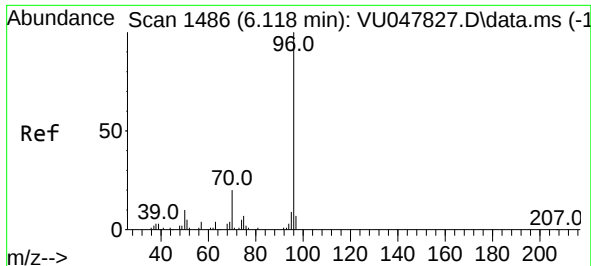
Quant Time: Apr 07 05:54:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U040622DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Apr 07 05:50:20 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.800  | 43   | 19697    | 1.954 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.825 | 75   | 7948     | 2.176 | ug/l # | 52       |
| 47) Methyl methacrylate       | 6.967  | 69   | 5917     | 0.784 | ug/l   | 97       |
| 48) Ethyl methacrylate        | 8.340  | 69   | 5520     | 0.375 | ug/l   | 99       |
| 49) Toluene                   | 7.973  | 92   | 15185    | 0.420 | ug/l   | 97       |
| 50) t-1,3-Dichloropropene     | 8.214  | 75   | 7621     | 0.417 | ug/l # | 84       |
| 51) cis-1,3-Dichloropropene   | 7.610  | 75   | 9023     | 0.424 | ug/l   | 95       |
| 52) 1,1,2-Trichloroethane     | 8.401  | 97   | 5685     | 0.515 | ug/l   | 95       |
| 53) 1,3-Dichloropropane       | 8.578  | 76   | 9364     | 0.464 | ug/l   | 98       |
| 54) 2-Hexanone                | 8.693  | 43   | 14340    | 1.858 | ug/l   | 93       |
| 55) Dibromochloromethane      | 8.809  | 129  | 6616     | 0.559 | ug/l   | 100      |
| 56) 1,2-Dibromoethane         | 8.928  | 107  | 5450     | 0.523 | ug/l   | 98       |
| 58) Tetrachloroethene         | 8.555  | 164  | 7219     | 0.545 | ug/l   | 96       |
| 59) Chlorobenzene             | 9.449  | 112  | 19349    | 0.508 | ug/l   | 98       |
| 60) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 6567     | 0.512 | ug/l   | 93       |
| 61) Pentachloroethane         | 11.430 | 117  | 5708     | 0.603 | ug/l   | 95       |
| 62) Hexachloroethane          | 12.478 | 117  | 4956     | 0.509 | ug/l   | 99       |
| 63) Ethyl Benzene             | 9.571  | 91   | 26814    | 0.400 | ug/l   | 100      |
| 64) m/p-Xylenes               | 9.697  | 106  | 20227    | 0.787 | ug/l   | 98       |
| 65) o-Xylene                  | 10.102 | 106  | 10147    | 0.406 | ug/l   | 95       |
| 66) Styrene                   | 10.118 | 104  | 15268    | 0.371 | ug/l   | 99       |
| 67) Bromoform                 | 10.295 | 173  | 4204     | 0.650 | ug/l   | 96       |
| 69) Isopropylbenzene          | 10.488 | 105  | 25349    | 0.386 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 7430     | 0.523 | ug/l   | 98       |
| 71) 1,2,3-Trichloropropane    | 10.825 | 75   | 7948     | 0.675 | ug/l   | 84       |
| 72) Bromobenzene              | 10.787 | 156  | 9072     | 0.597 | ug/l   | 99       |
| 73) n-propylbenzene           | 10.906 | 120  | 6838     | 0.391 | ug/l   | 88       |
| 74) 2-Chlorotoluene           | 10.986 | 126  | 7037     | 0.462 | ug/l   | 100      |
| 75) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 20668    | 0.376 | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.102 | 126  | 7409     | 0.472 | ug/l   | 97       |
| 77) tert-Butylbenzene         | 11.423 | 119  | 22184    | 0.413 | ug/l   | 98       |
| 78) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 21955    | 0.392 | ug/l   | 94       |
| 79) sec-Butylbenzene          | 11.645 | 105  | 28079    | 0.382 | ug/l   | 98       |
| 80) Nitrobenzene              | 13.214 | 77   | 1391     | 3.293 | ug/l # | 94       |
| 81) p-Isopropyltoluene        | 11.796 | 119  | 22569    | 0.380 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.748 | 146  | 18256    | 0.601 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.838 | 146  | 18021    | 0.598 | ug/l   | 98       |
| 84) n-Butylbenzene            | 12.211 | 91   | 23893    | 0.425 | ug/l   | 97       |
| 85) 1,2-Dichlorobenzene       | 12.214 | 146  | 16871    | 0.584 | ug/l   | 96       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.005 | 75   | 1122     | 0.481 | ug/l   | 95       |
| 87) 1,2,4-Trichlorobenzene    | 13.844 | 180  | 13214    | 0.715 | ug/l   | 100      |
| 88) Hexachlorobutadiene       | 14.024 | 225  | 7786     | 0.846 | ug/l   | 98       |
| 89) Naphthalene               | 14.092 | 128  | 24791    | 0.715 | ug/l   | 98       |
| 90) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 12653    | 0.738 | ug/l   | 98       |

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

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QLast Update : Thu Apr 07 05:50:20 2022  
Response via : Initial Calibration

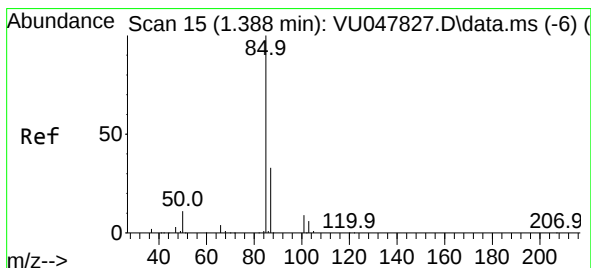
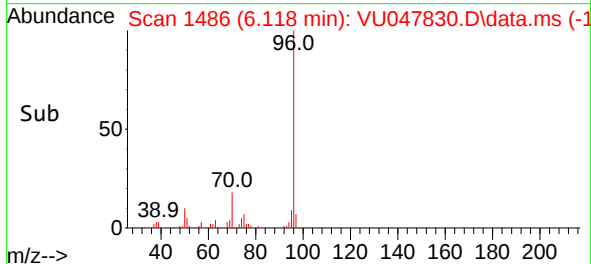
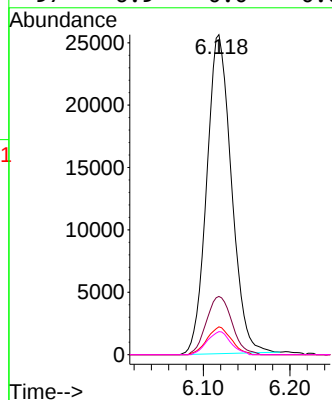
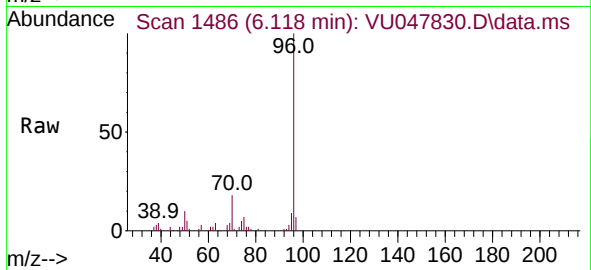




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.118 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

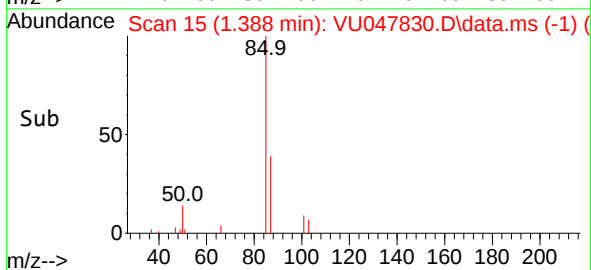
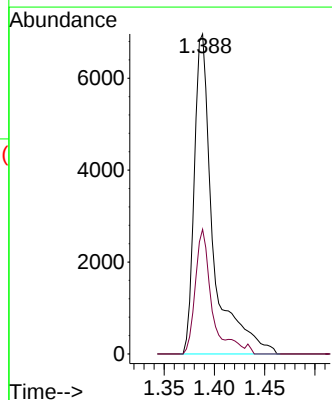
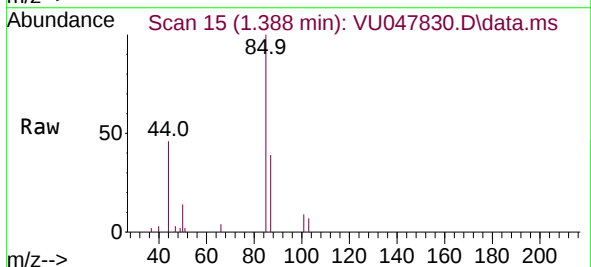
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

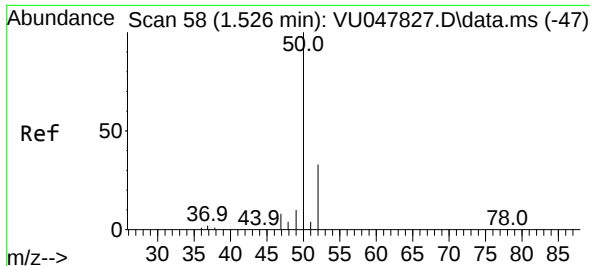
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 50643 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 18.9  | 15.4  | 23.0  |
| 95       | 8.6   | 7.6   | 11.4  |
| 97       | 6.9   | 0.0   | 0.0   |



#2  
Dichlorodifluoromethane  
Concen: 0.474 ug/l  
RT: 1.388 min Scan# 15  
Delta R.T. 0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 9078  |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 39.0  | 16.4  | 49.4  |

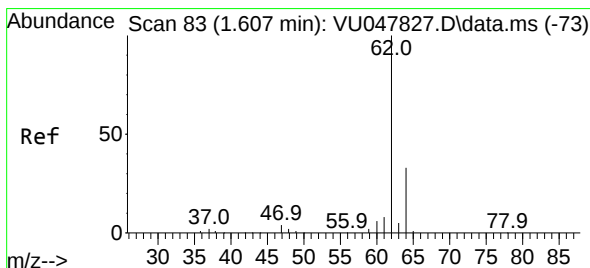
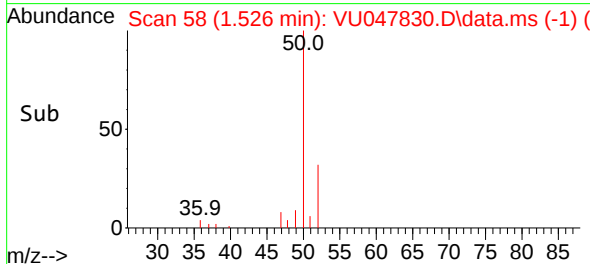
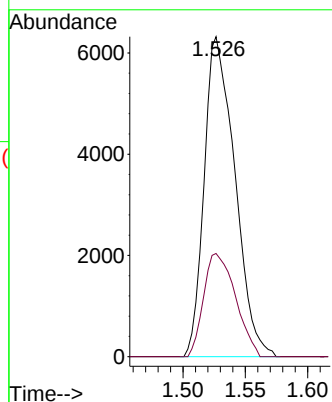
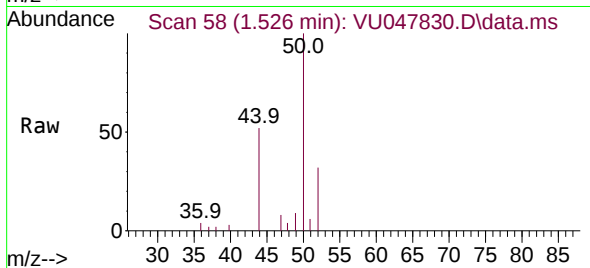




#3  
Chloromethane  
Concen: 0.535 ug/l  
RT: 1.526 min Scan# 58  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

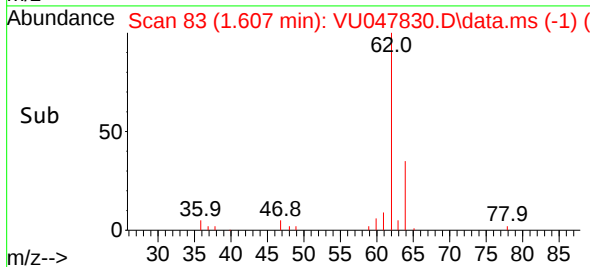
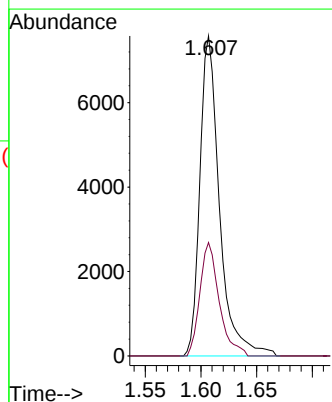
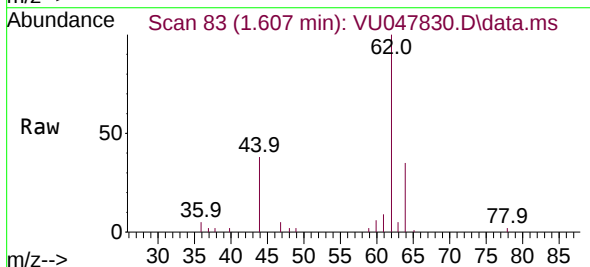
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

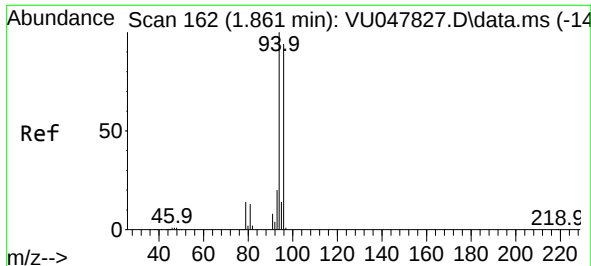
Tgt Ion: 50 Resp: 10798  
Ion Ratio Lower Upper  
50 100  
52 32.2 26.7 40.1



#4  
Vinyl Chloride  
Concen: 0.454 ug/l  
RT: 1.607 min Scan# 83  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion: 62 Resp: 9269  
Ion Ratio Lower Upper  
62 100  
64 35.5 26.4 39.6

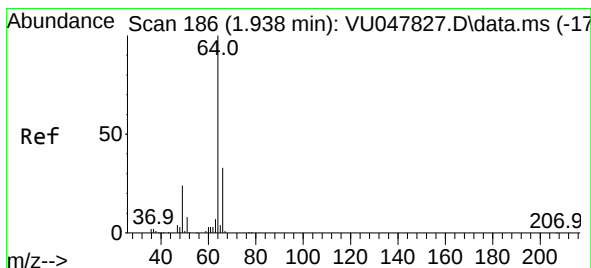
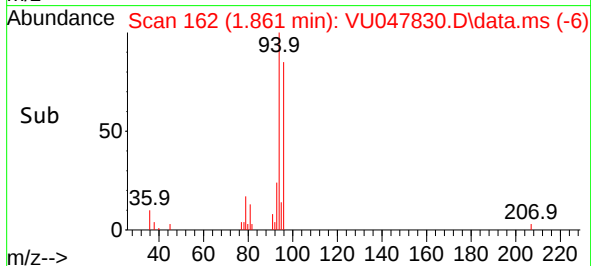
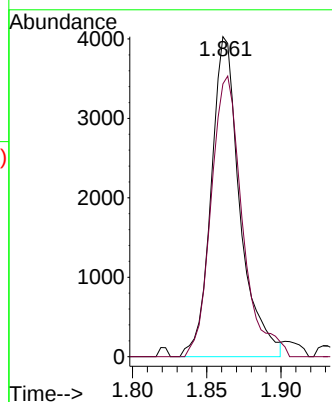
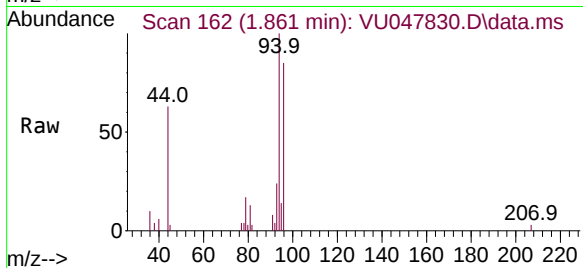




#5  
Bromomethane  
Concen: 0.472 ug/l  
RT: 1.861 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

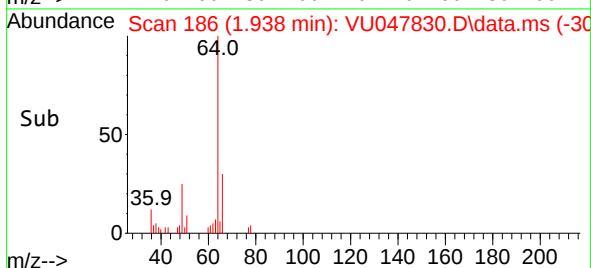
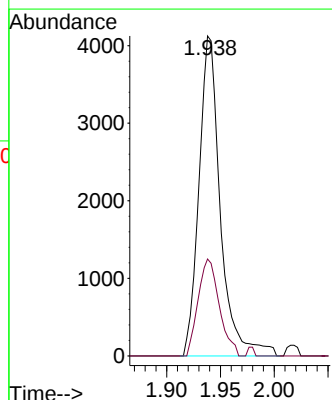
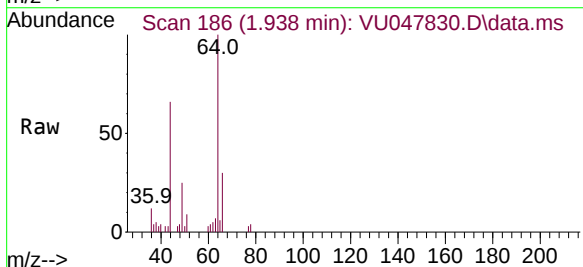
Instrument :  
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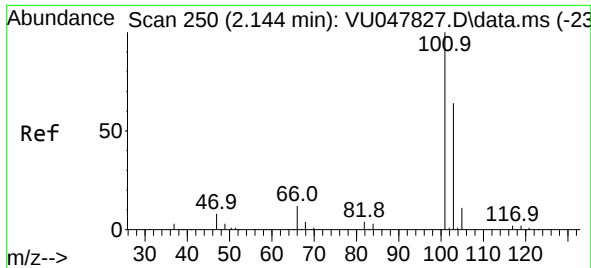
Tgt Ion: 94 Resp: 5447  
Ion Ratio Lower Upper  
94 100  
96 85.2 75.3 112.9



#6  
Chloroethane  
Concen: 0.430 ug/l  
RT: 1.938 min Scan# 186  
Delta R.T. 0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion: 64 Resp: 5713  
Ion Ratio Lower Upper  
64 100  
66 30.3 26.2 39.2

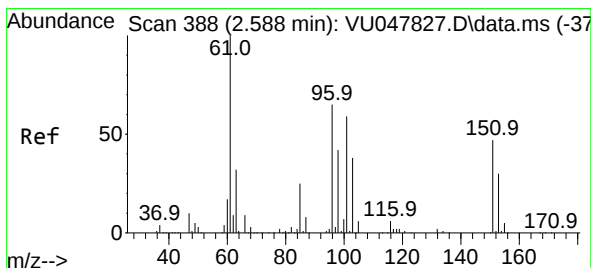
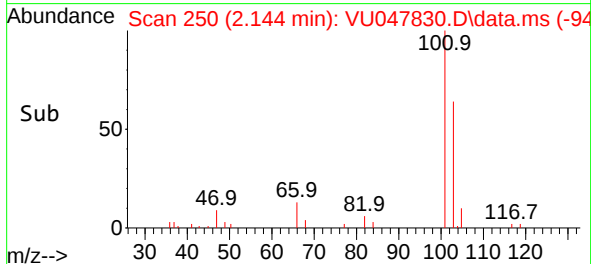
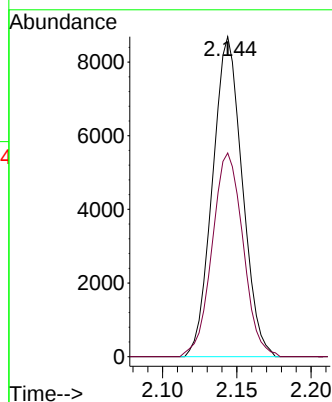
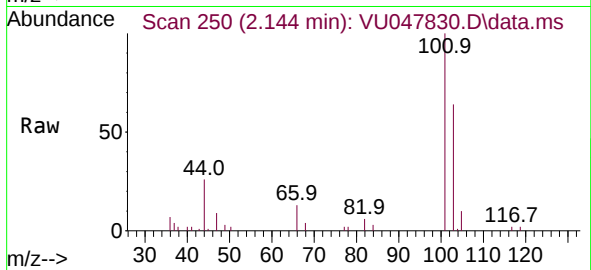




#7  
 Trichlorofluoromethane  
 Concen: 0.497 ug/l  
 RT: 2.144 min Scan# 210  
 Delta R.T. -0.000 min  
 Lab File: VU047830.D  
 Acq: 06 Apr 2022 14:21

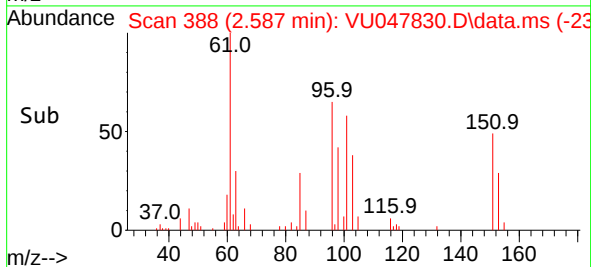
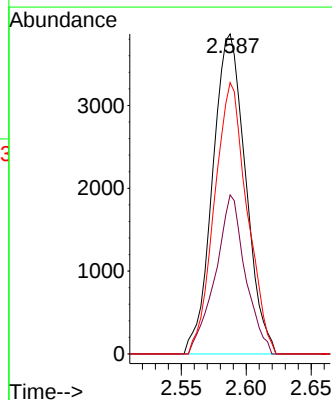
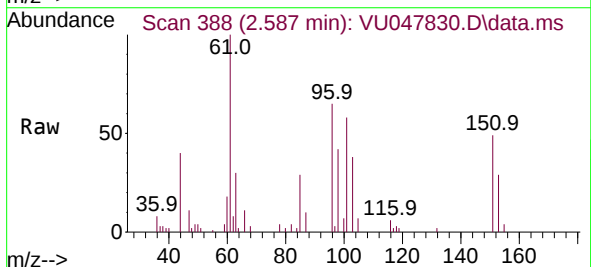
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

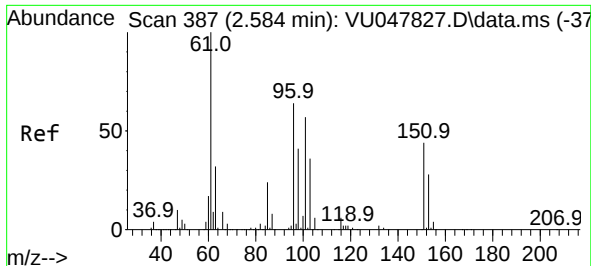
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 Ion Ratio Lower Upper  
 101 100  
 103 63.7 51.3 76.9



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.485 ug/l  
 RT: 2.587 min Scan# 388  
 Delta R.T. -0.000 min  
 Lab File: VU047830.D  
 Acq: 06 Apr 2022 14:21

Tgt Ion:101 Resp: 6811  
 Ion Ratio Lower Upper  
 101 100  
 85 45.1 33.4 50.2  
 151 84.1 63.8 95.8

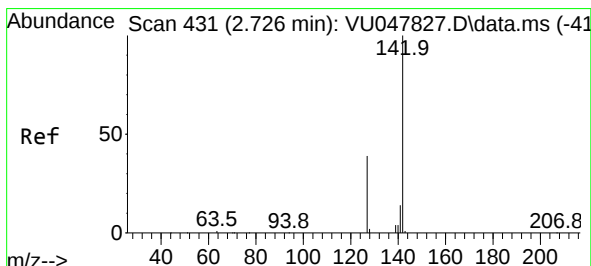
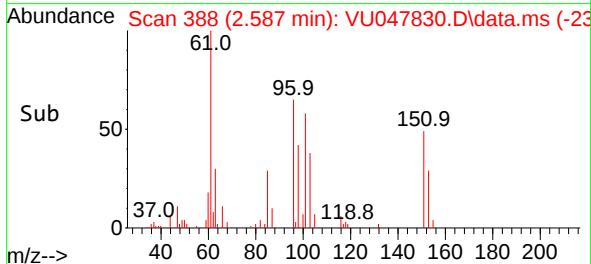
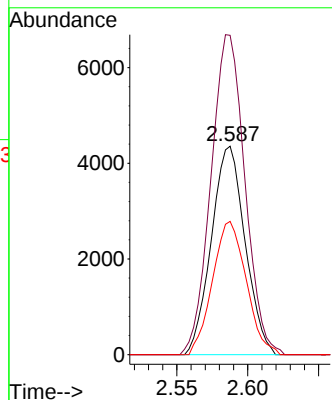
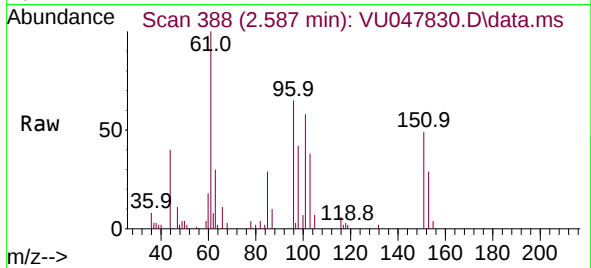




#9  
1,1-Dichloroethene  
Concen: 0.545 ug/l  
RT: 2.587 min Scan# 387  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

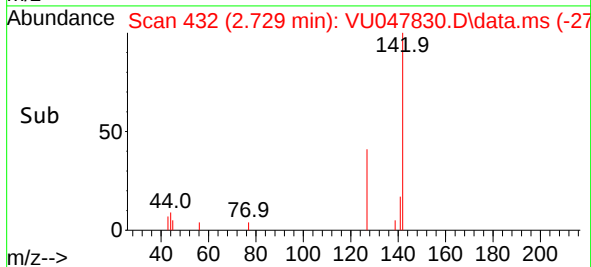
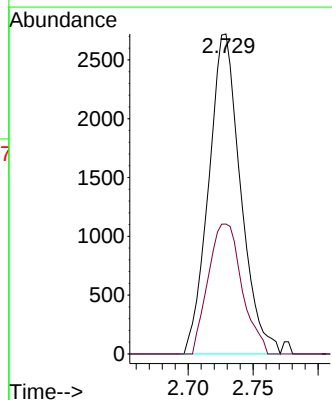
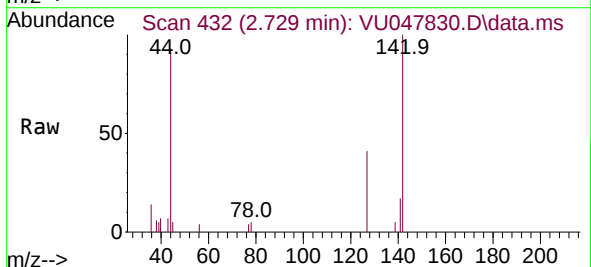
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

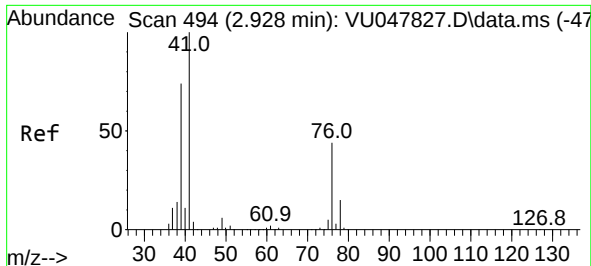
Tgt Ion: 96 Resp: 7215  
Ion Ratio Lower Upper  
96 100  
61 153.2 0.0 466.5  
98 63.9 0.0 128.0



#10  
Iodomethane  
Concen: 0.357 ug/l  
RT: 2.729 min Scan# 432  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion: 142 Resp: 4646  
Ion Ratio Lower Upper  
142 100  
127 42.8 32.1 48.1

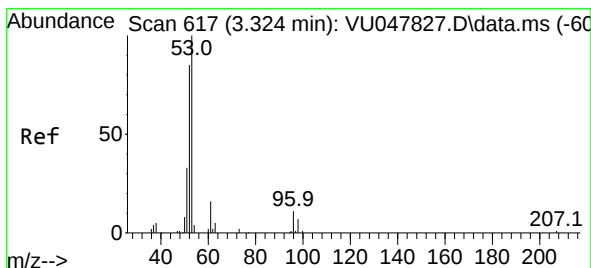
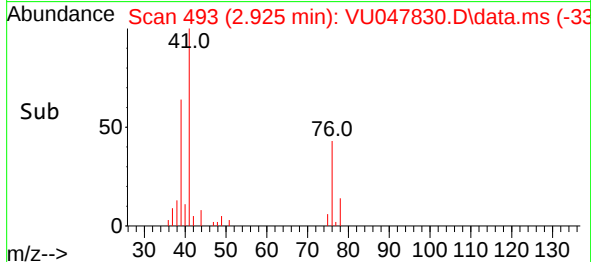
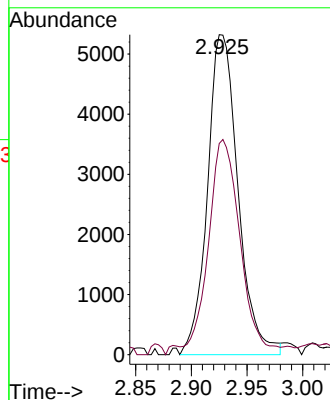
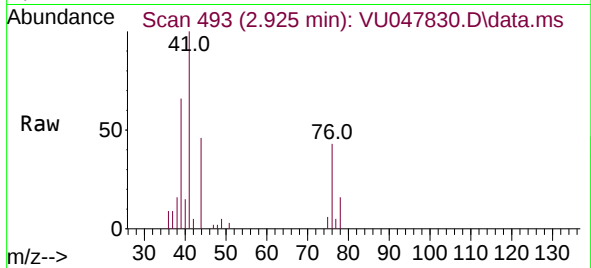




#11  
 Allyl Chloride  
 Concen: 0.532 ug/l  
 RT: 2.925 min Scan# 493  
 Delta R.T. -0.003 min  
 Lab File: VU047830.D  
 Acq: 06 Apr 2022 14:21

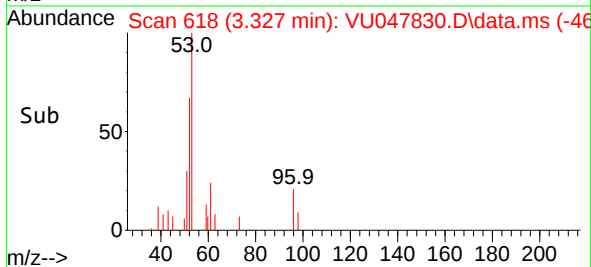
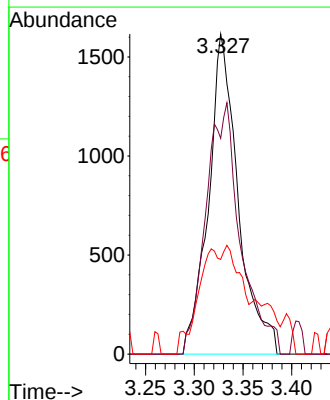
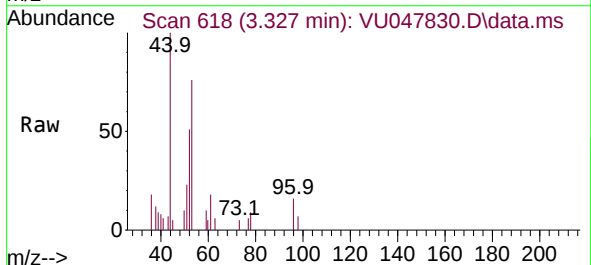
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

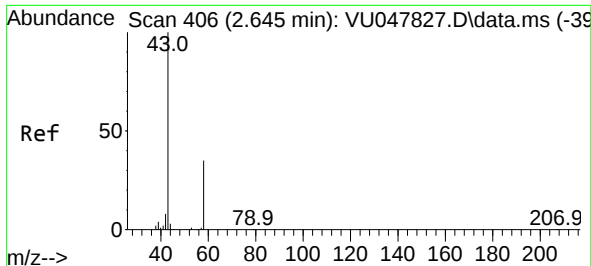
Tgt Ion: 41 Resp: 10171  
 Ion Ratio Lower Upper  
 41 100  
 39 64.5 58.3 87.5



#12  
 Acrylonitrile  
 Concen: 1.024 ug/l  
 RT: 3.327 min Scan# 618  
 Delta R.T. 0.003 min  
 Lab File: VU047830.D  
 Acq: 06 Apr 2022 14:21

Tgt Ion: 53 Resp: 3422  
 Ion Ratio Lower Upper  
 53 100  
 52 91.6 65.5 98.3  
 51 25.4 29.6 44.4#





#13

Acetone

Concen: 2.171 ug/l

RT: 2.649 min Scan# 406

Delta R.T. 0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

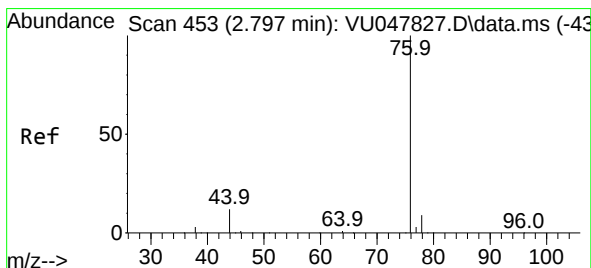
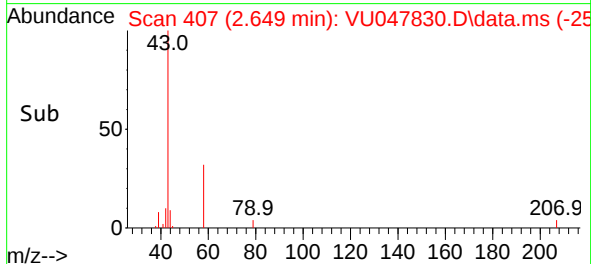
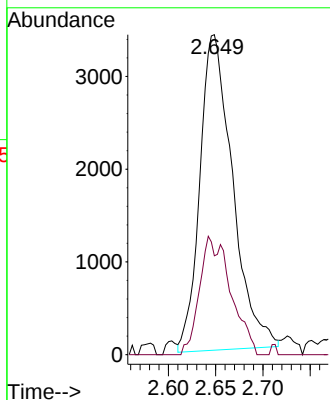
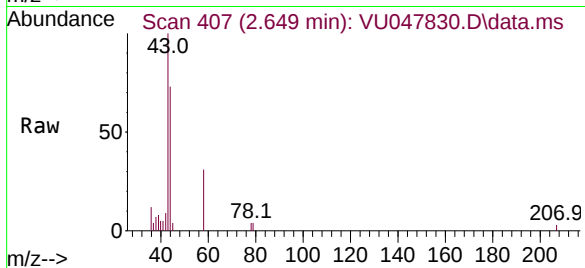
VSTDICC0.5

Tgt Ion: 43 Resp: 8212

Ion Ratio Lower Upper

43 100

58 31.9 28.0 42.0



#14

Carbon Disulfide

Concen: 0.573 ug/l

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU047830.D

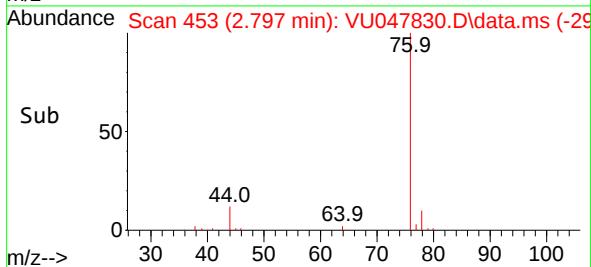
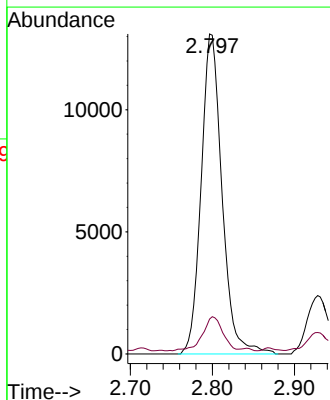
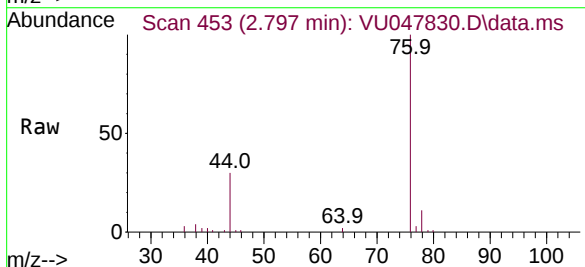
Acq: 06 Apr 2022 14:21

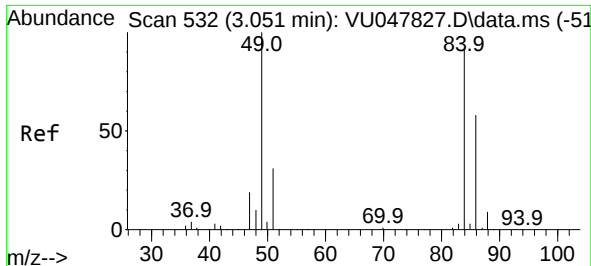
Tgt Ion: 76 Resp: 23200

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8

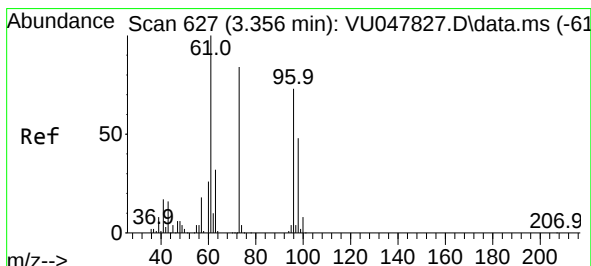
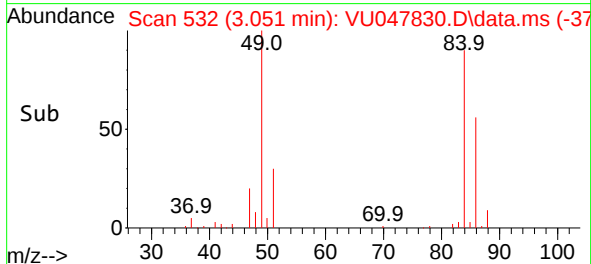
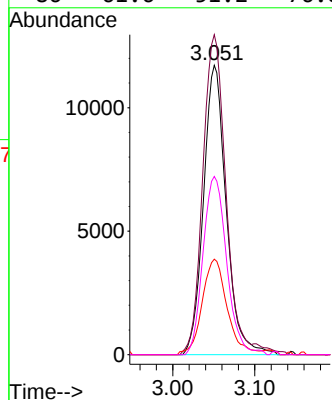
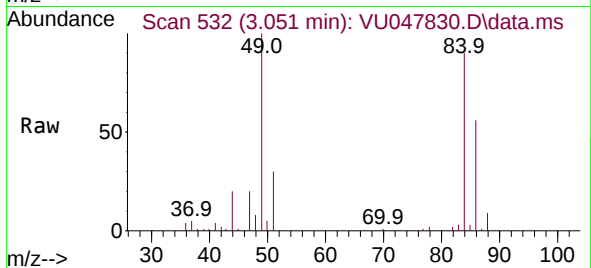




#15  
Methylene Chloride  
Concen: 1.405 ug/l  
RT: 3.051 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

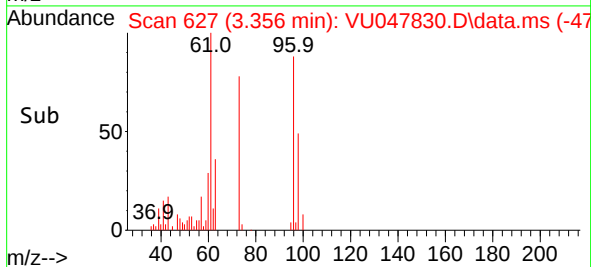
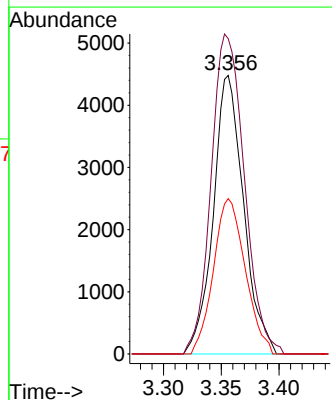
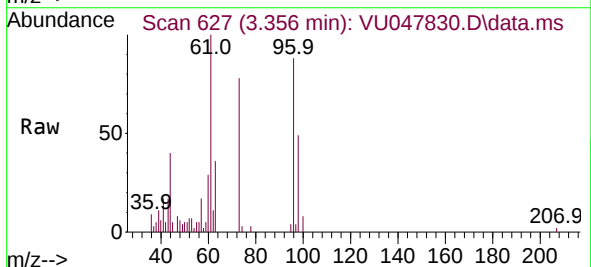
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

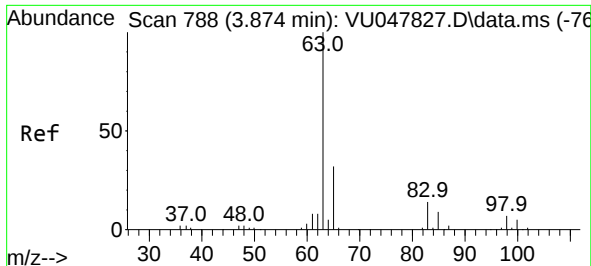
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 22575 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 110.6 | 88.4  | 132.6 |
| 51       | 33.0  | 0.0   | 69.8  |
| 86       | 61.6  | 51.2  | 76.8  |



#16  
trans-1,2-Dichloroethene  
Concen: 0.575 ug/l  
RT: 3.356 min Scan# 627  
Delta R.T. 0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 8178  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 113.2 | 109.2 | 163.8 |
| 98       | 55.7  | 52.0  | 78.0  |

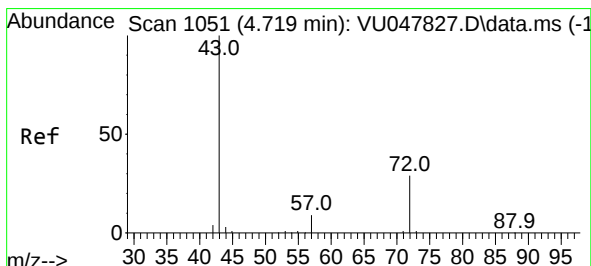
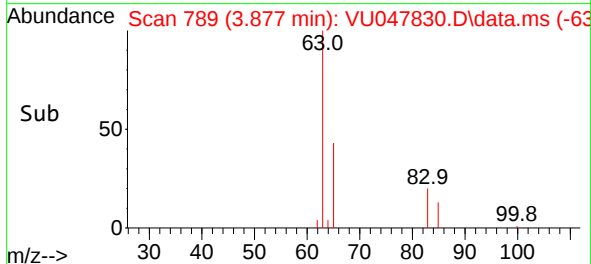
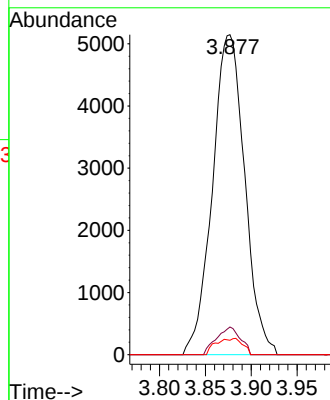
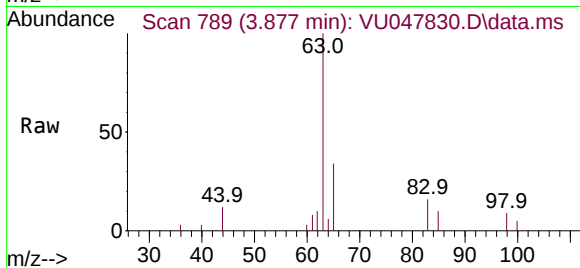




#17  
 1,1-Dichloroethane  
 Concen: 0.481 ug/l  
 RT: 3.877 min Scan# 71  
 Delta R.T. 0.003 min  
 Lab File: VU047830.D  
 Acq: 06 Apr 2022 14:21

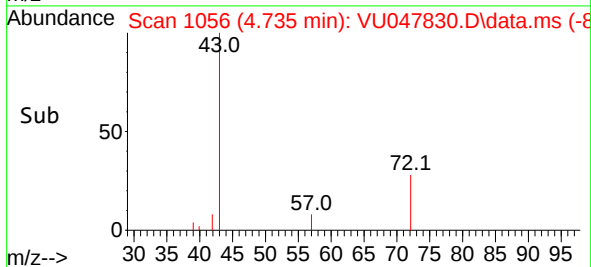
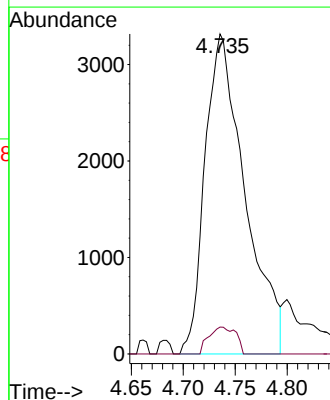
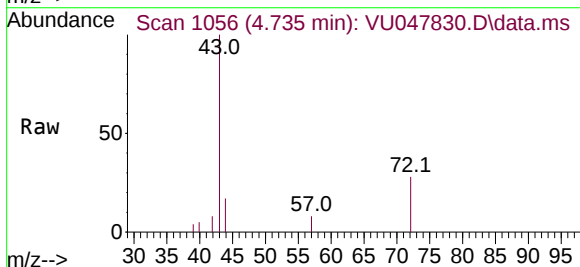
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

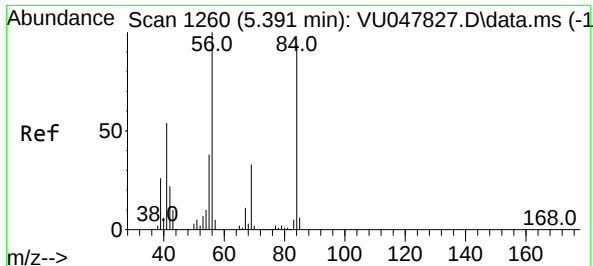
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 12596 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 8.6   | 3.6   | 10.8  |
| 100      | 4.5   | 2.4   | 7.2   |



#18  
 2-Butanone  
 Concen: 1.830 ug/l  
 RT: 4.735 min Scan# 1056  
 Delta R.T. 0.016 min  
 Lab File: VU047830.D  
 Acq: 06 Apr 2022 14:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 8875  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 57       | 8.4   | 0.0   | 17.4  |





#19

Cyclohexane

Concen: 0.339 ug/l

RT: 5.391 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU047830.D

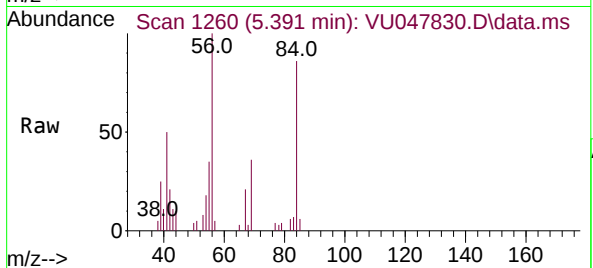
Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5



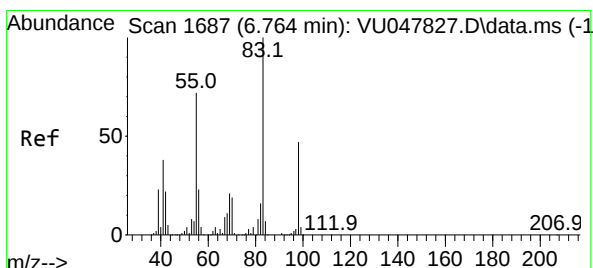
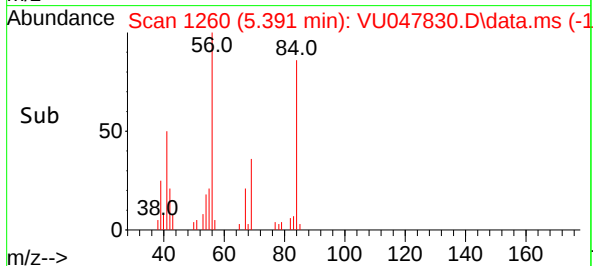
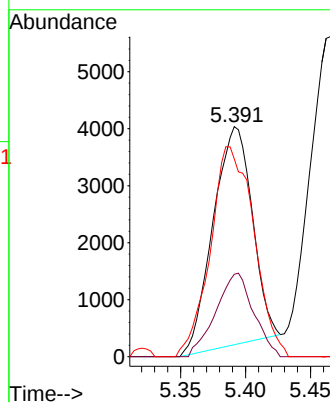
Tgt Ion: 56 Resp: 8043

Ion Ratio Lower Upper

56 100

69 36.7 25.4 38.0

84 106.5 74.0 111.0



#20

Methylcyclohexane

Concen: 0.395 ug/l

RT: 6.764 min Scan# 1687

Delta R.T. -0.000 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

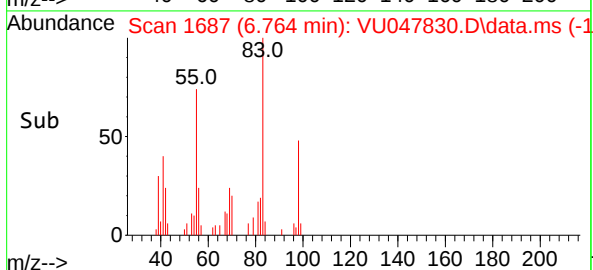
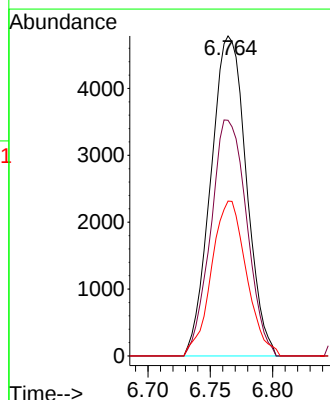
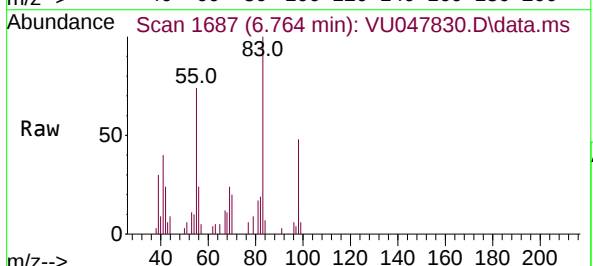
Tgt Ion: 83 Resp: 9484

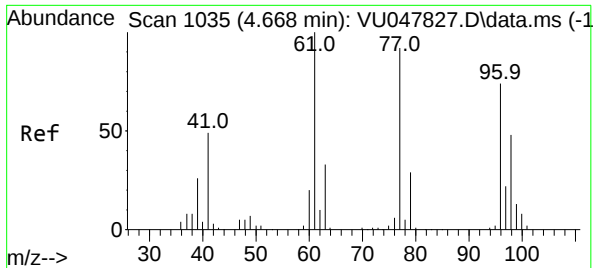
Ion Ratio Lower Upper

83 100

55 74.6 58.0 87.0

98 47.6 37.9 56.9





#21

2,2-Dichloropropane

Concen: 0.454 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

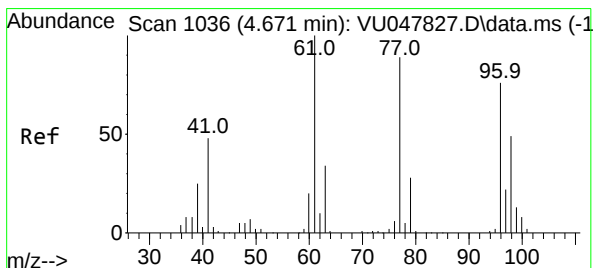
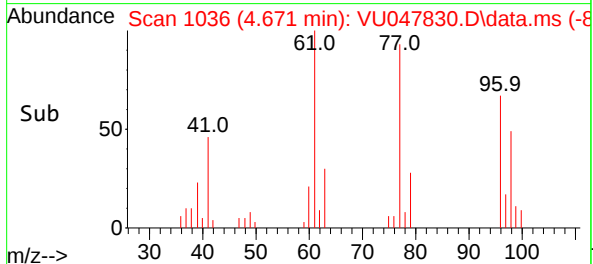
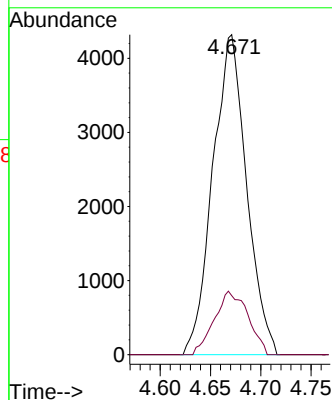
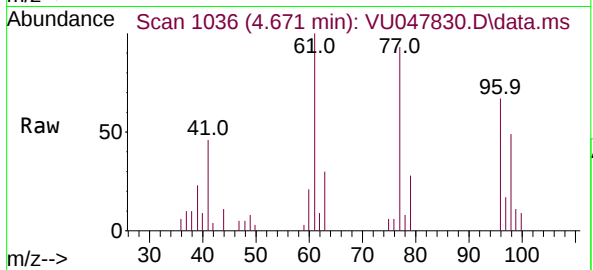
VSTDIC0.5

Tgt Ion: 77 Resp: 10092

Ion Ratio Lower Upper

77 100

97 19.8 19.3 28.9



#22

cis-1,2-Dichloroethene

Concen: 0.477 ug/l

RT: 4.674 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

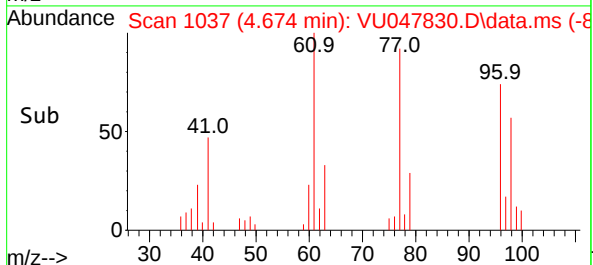
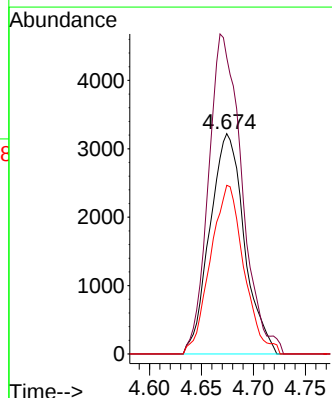
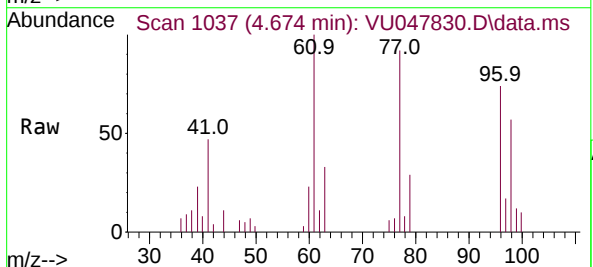
Tgt Ion: 96 Resp: 7433

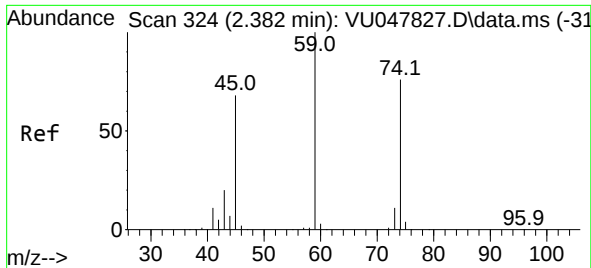
Ion Ratio Lower Upper

96 100

61 140.5 0.0 337.8

98 74.3 32.5 97.5





#23

Diethyl Ether

Concen: 0.426 ug/l

RT: 2.382 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

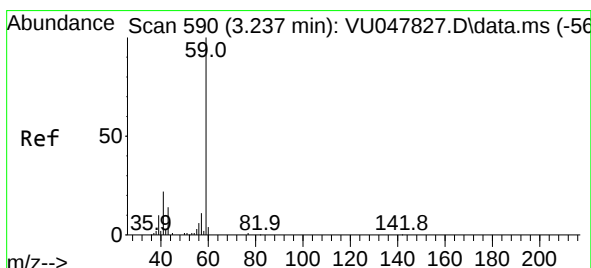
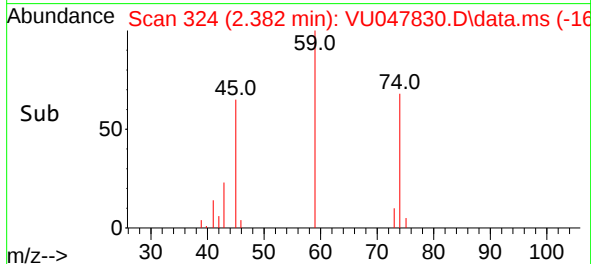
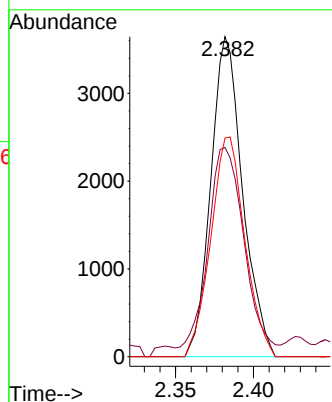
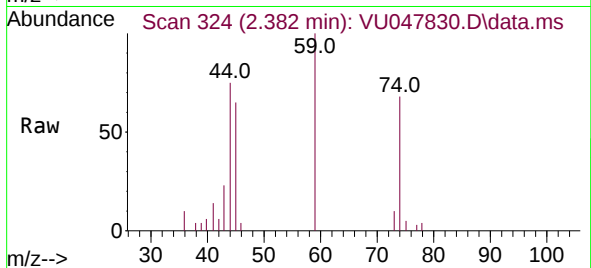
Tgt Ion: 59 Resp: 5161

Ion Ratio Lower Upper

59 100

45 70.5 55.8 83.6

74 73.5 60.6 91.0



#24

tert-Butyl Alcohol

Concen: 6.238 ug/l

RT: 3.243 min Scan# 592

Delta R.T. 0.006 min

Lab File: VU047830.D

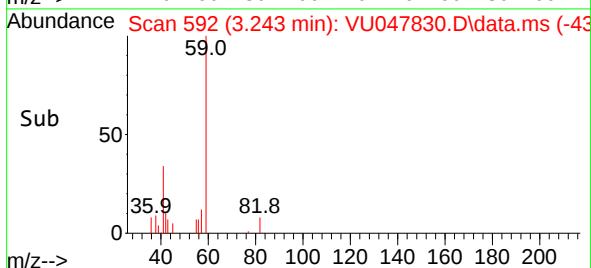
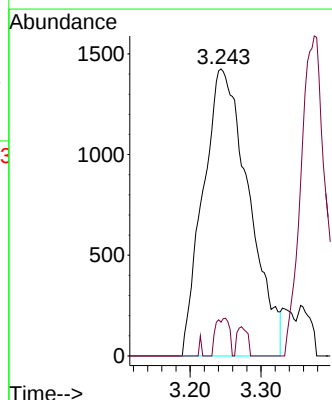
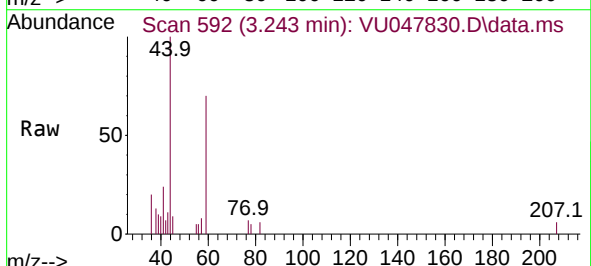
Acq: 06 Apr 2022 14:21

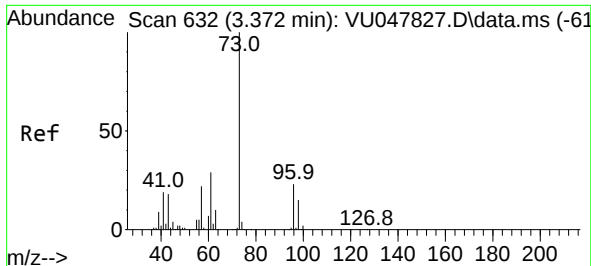
Tgt Ion: 59 Resp: 6390

Ion Ratio Lower Upper

59 100

57 3.9 8.4 12.6#

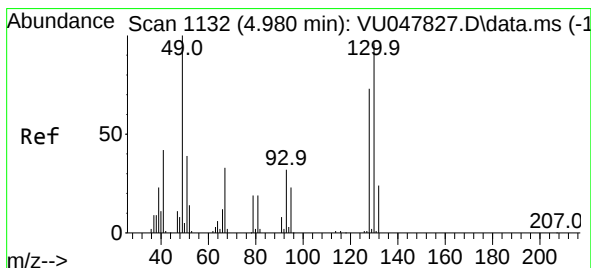
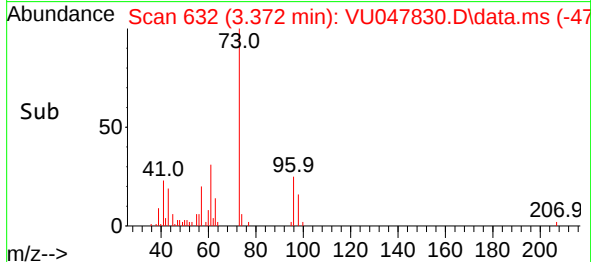
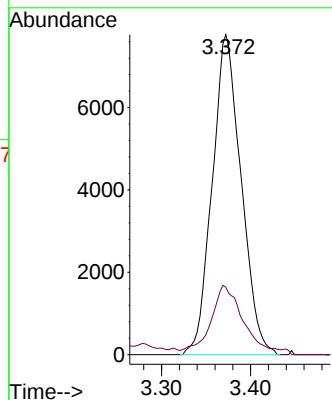
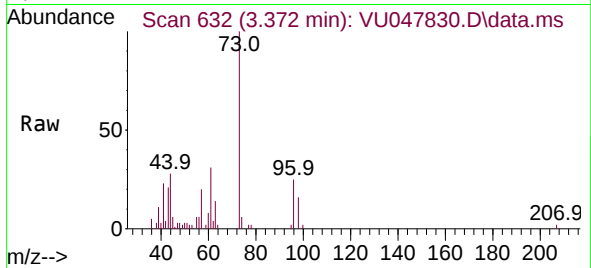




#25  
Methyl tert-Butyl Ether  
Concen: 0.483 ug/l  
RT: 3.372 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

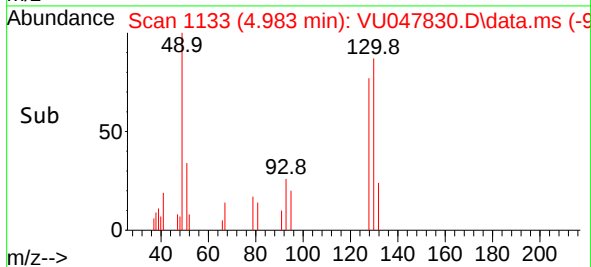
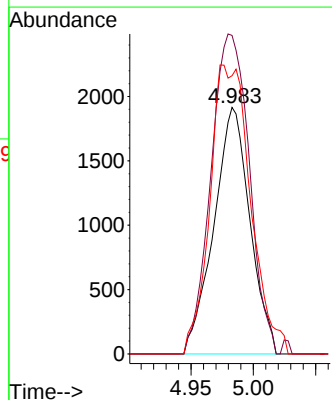
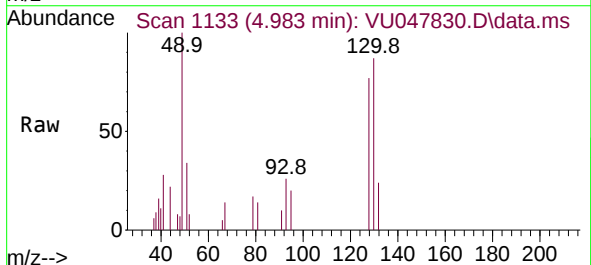
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

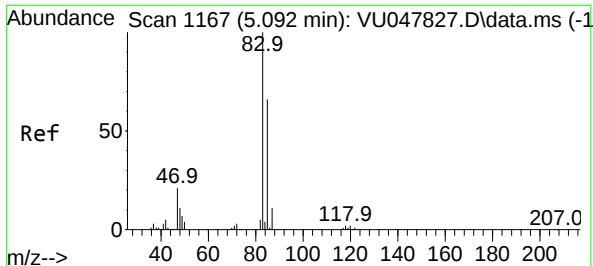
Tgt Ion: 73 Resp: 17520  
Ion Ratio Lower Upper  
73 100  
43 20.7 15.2 22.8



#26  
Bromochloromethane  
Concen: 0.565 ug/l  
RT: 4.983 min Scan# 1133  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion: 128 Resp: 3856  
Ion Ratio Lower Upper  
128 100  
49 138.0 0.0 268.4  
130 132.0 102.9 154.3





#27

Chloroform

Concen: 0.486 ug/l

RT: 5.095 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

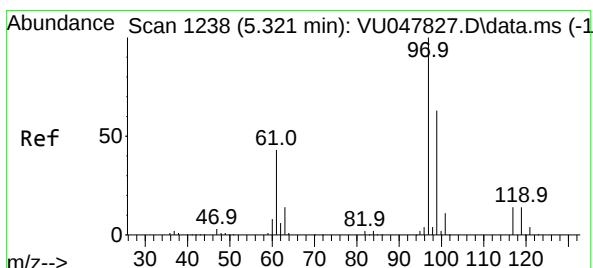
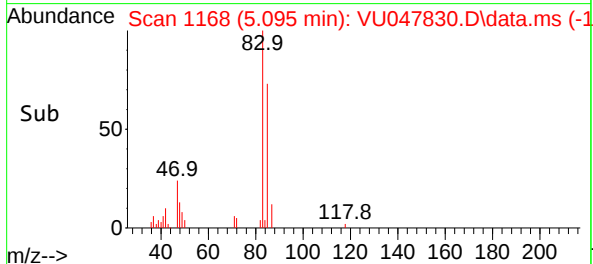
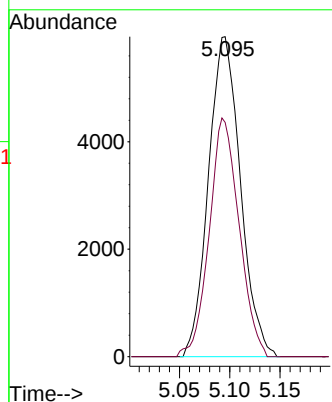
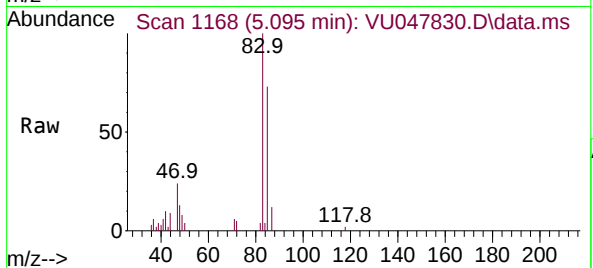
VSTDICC0.5

Tgt Ion: 83 Resp: 13166

Ion Ratio Lower Upper

83 100

85 73.2 0.0 131.6



#28

1,1,1-Trichloroethane

Concen: 0.503 ug/l

RT: 5.317 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

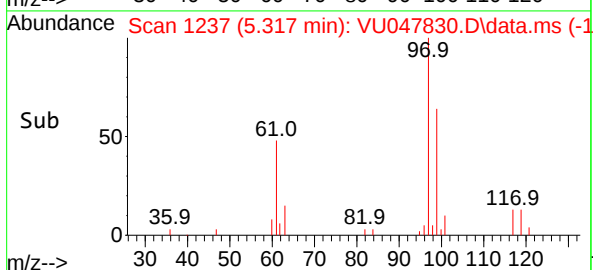
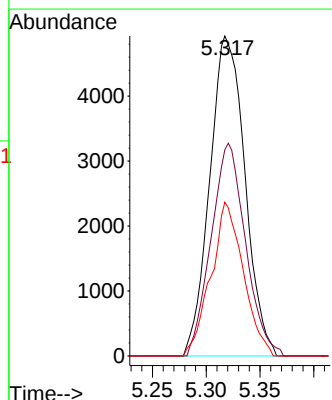
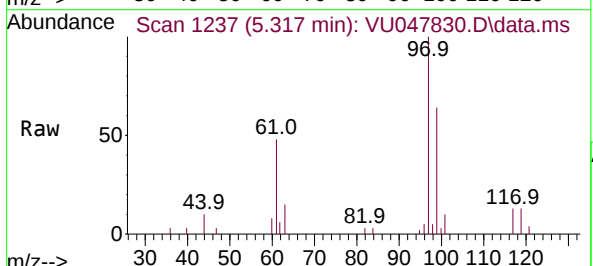
Tgt Ion: 97 Resp: 11192

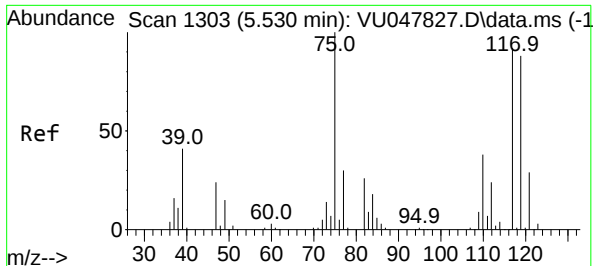
Ion Ratio Lower Upper

97 100

99 65.1 31.9 95.5

61 44.4 21.8 65.4





#29

1,1-Dichloropropene

Concen: 0.430 ug/l

RT: 5.529 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

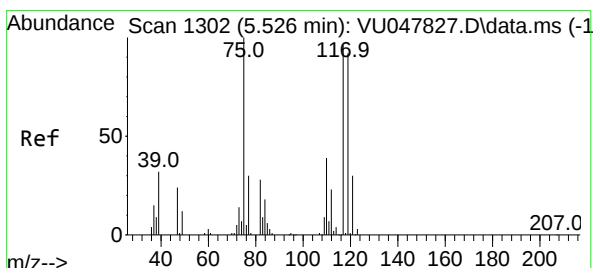
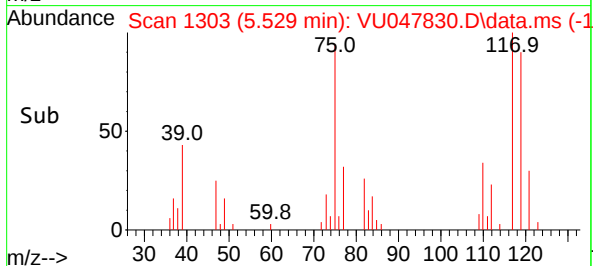
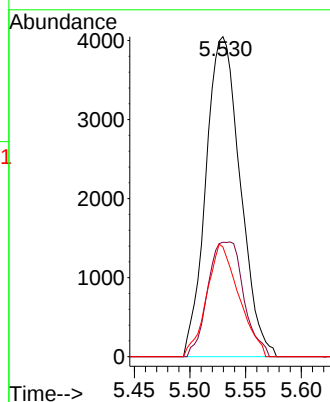
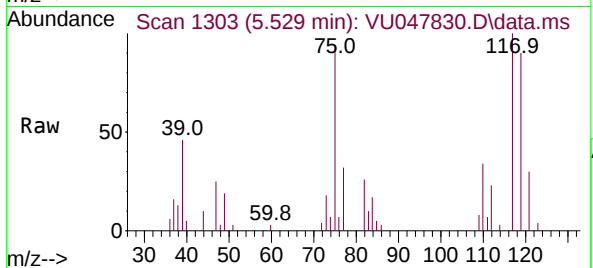
Tgt Ion: 75 Resp: 8682

Ion Ratio Lower Upper

75 100

110 37.4 19.1 57.5

77 32.9 24.7 37.1



#30

Carbon Tetrachloride

Concen: 0.543 ug/l

RT: 5.526 min Scan# 1302

Delta R.T. -0.000 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

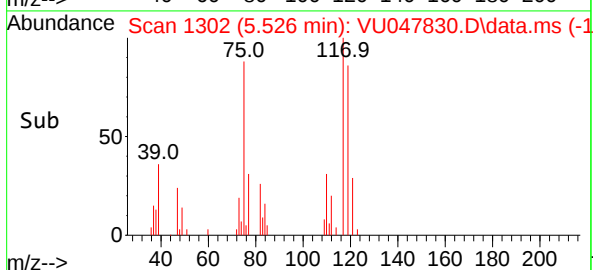
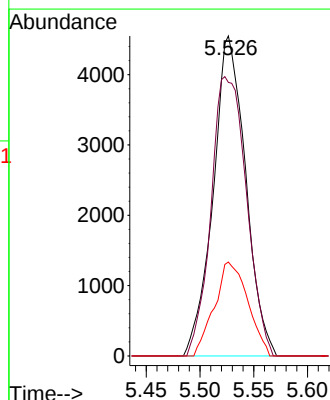
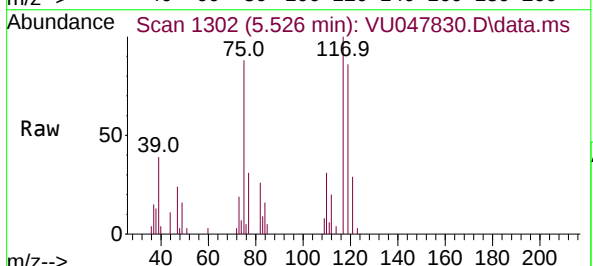
Tgt Ion: 117 Resp: 9563

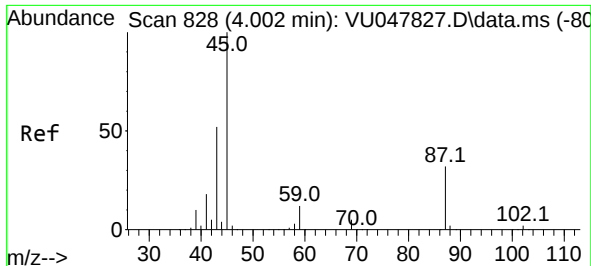
Ion Ratio Lower Upper

117 100

119 85.5 77.2 115.8

121 29.4 25.0 37.6

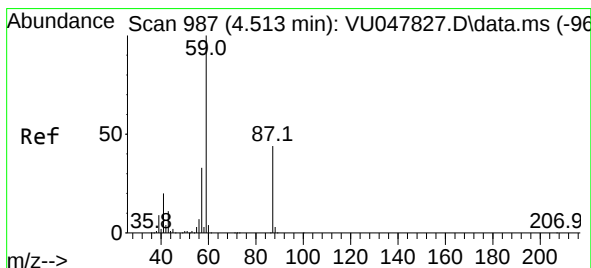
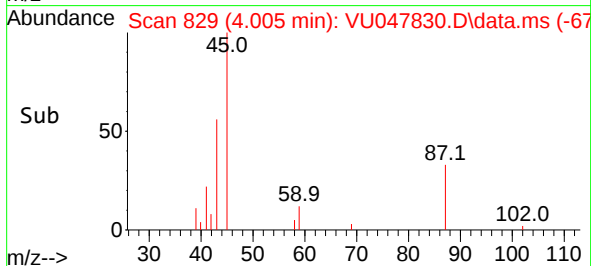
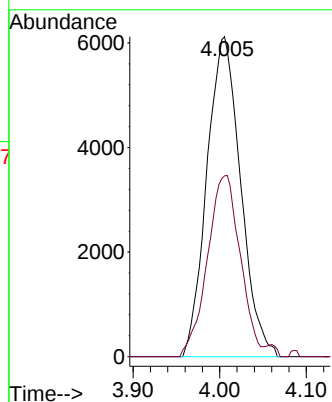
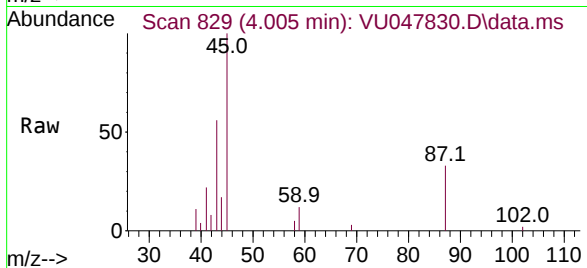




#31  
Isopropyl Ether  
Concen: 0.406 ug/l  
RT: 4.005 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

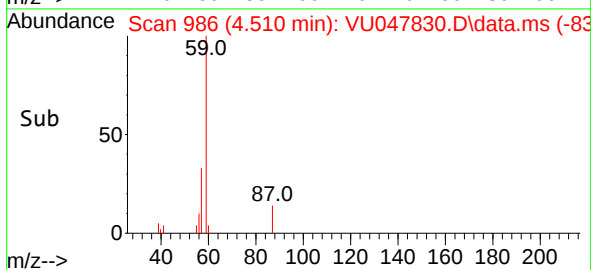
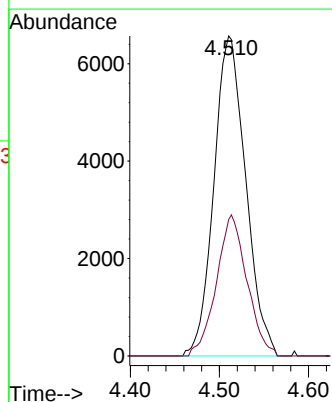
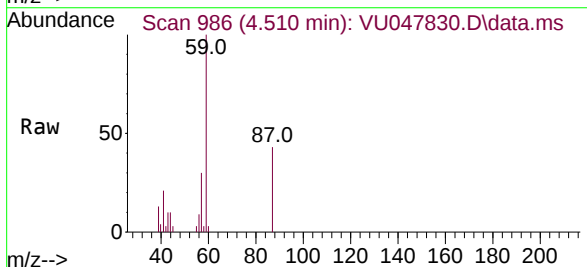
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

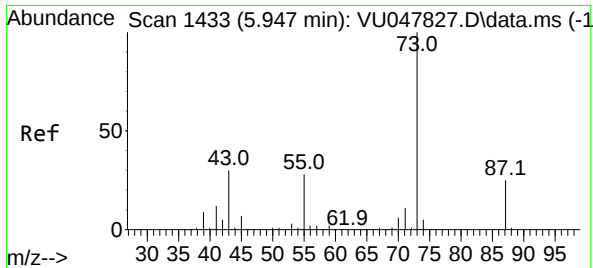
Tgt Ion: 45 Resp: 16541  
Ion Ratio Lower Upper  
45 100  
43 55.2 26.1 78.2



#32  
Ethyl-t-butyl ether  
Concen: 0.399 ug/l  
RT: 4.510 min Scan# 986  
Delta R.T. -0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion: 59 Resp: 16279  
Ion Ratio Lower Upper  
59 100  
87 42.4 35.7 53.5

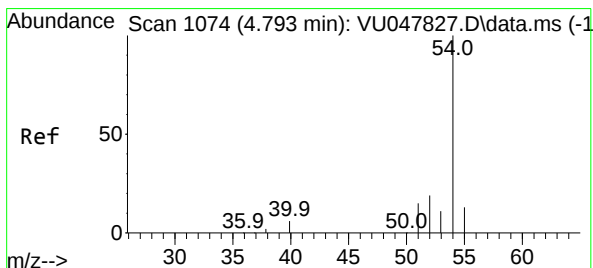
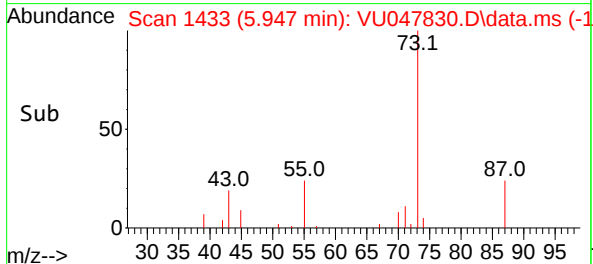
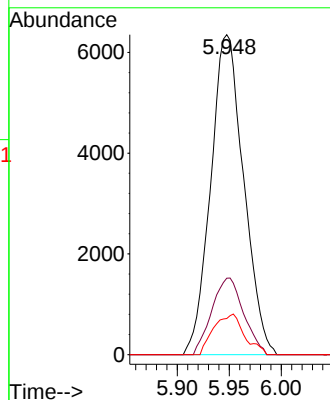
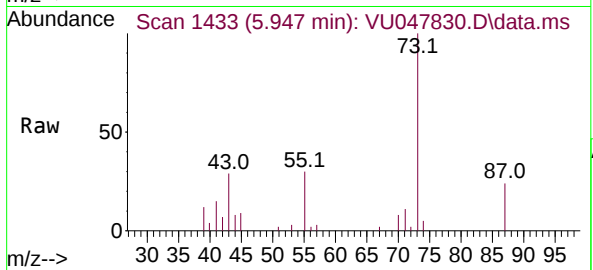




#33  
Tert-Amyl methyl ether  
Concen: 0.385 ug/l  
RT: 5.947 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

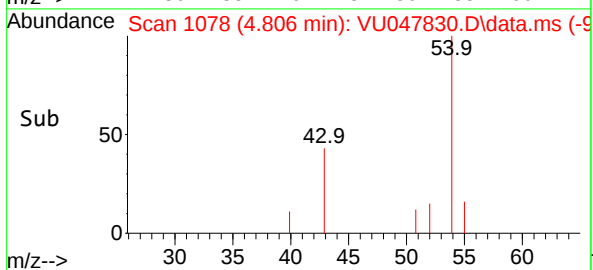
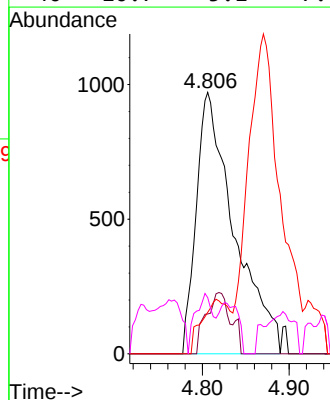
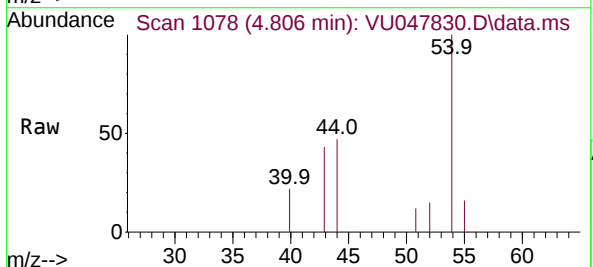
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

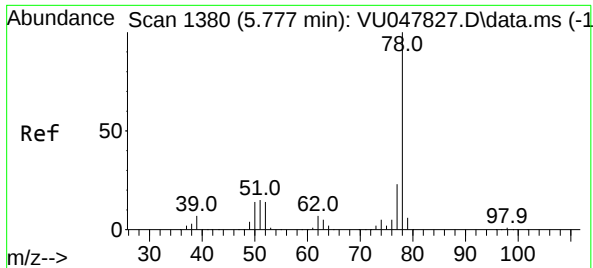
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 73 | Resp: | 13999       |
| Ion         | Ratio | Lower Upper |
| 73          | 100   |             |
| 87          | 23.1  | 19.9 29.9   |
| 71          | 11.8  | 9.2 13.8    |



#34  
Propionitrile  
Concen: 2.362 ug/l  
RT: 4.806 min Scan# 1078  
Delta R.T. 0.013 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 54 | Resp: | 2954        |
| Ion         | Ratio | Lower Upper |
| 54          | 100   |             |
| 52          | 0.0   | 16.2 24.4#  |
| 55          | 0.0   | 11.0 16.6#  |
| 40          | 10.7  | 5.1 7.7#    |





#35

Benzene

Concen: 0.468 ug/l

RT: 5.780 min Scan# 1380

Delta R.T. 0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

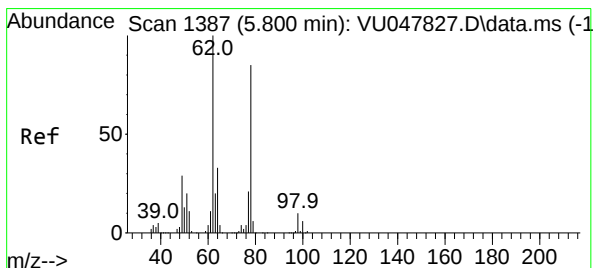
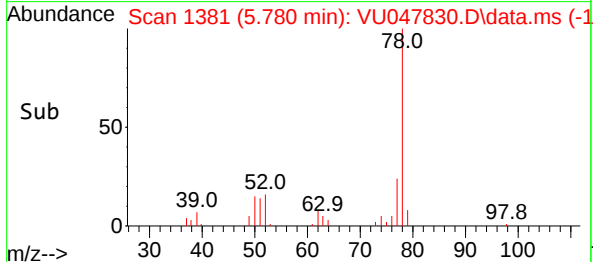
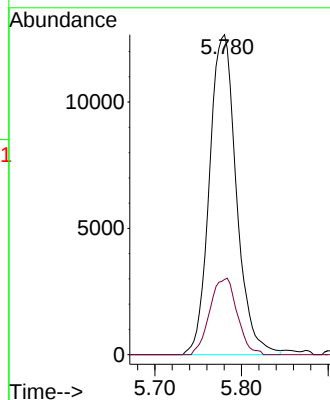
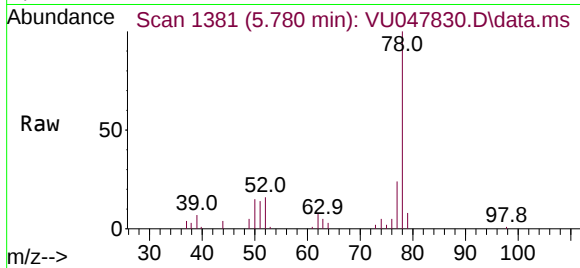
VSTDIC0.5

Tgt Ion: 78 Resp: 27391

Ion Ratio Lower Upper

78 100

77 23.5 18.7 28.1



#36

1,2-Dichloroethane

Concen: 0.438 ug/l

RT: 5.800 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VU047830.D

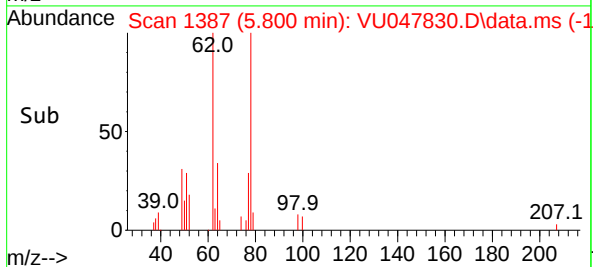
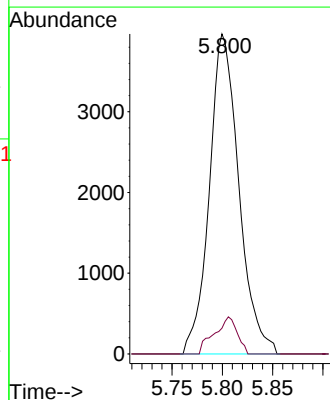
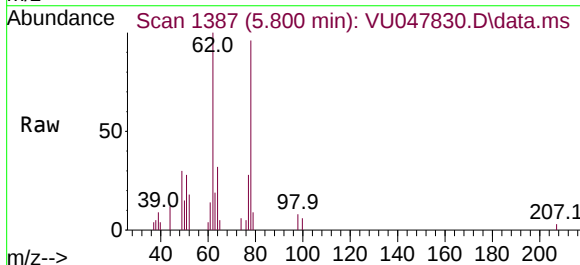
Acq: 06 Apr 2022 14:21

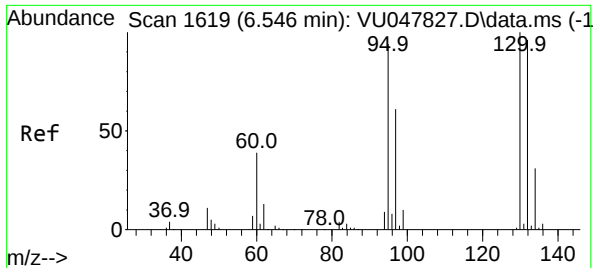
Tgt Ion: 62 Resp: 8093

Ion Ratio Lower Upper

62 100

98 8.9 7.7 11.5

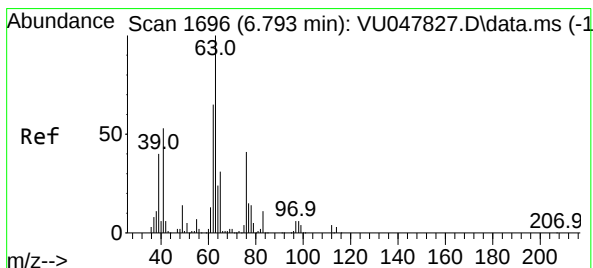
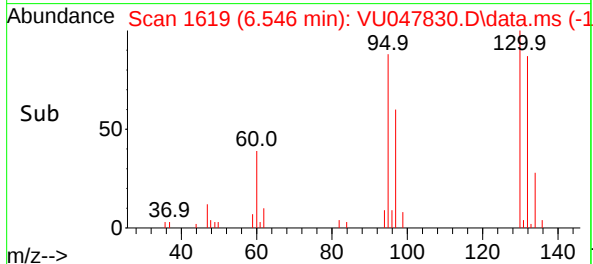
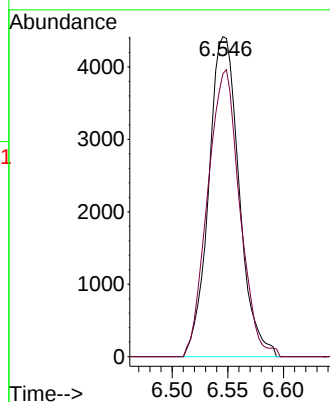
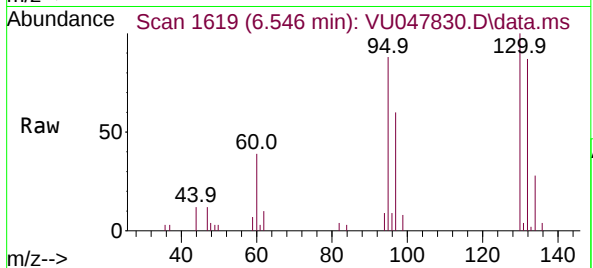




#37  
 Trichloroethene  
 Concen: 0.574 ug/l  
 RT: 6.546 min Scan# 1619  
 Delta R.T. 0.000 min  
 Lab File: VU047830.D  
 Acq: 06 Apr 2022 14:21

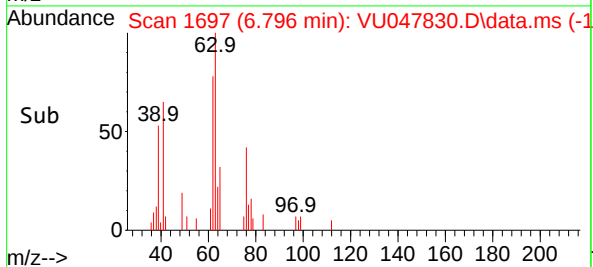
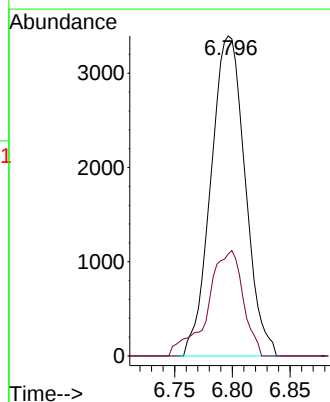
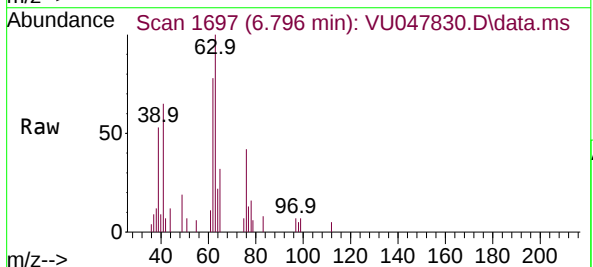
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

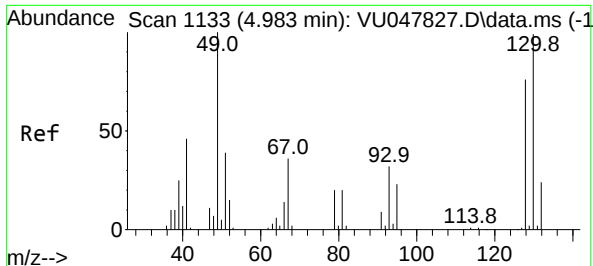
Tgt Ion:130 Resp: 8379  
 Ion Ratio Lower Upper  
 130 100  
 95 88.5 75.4 113.2



#38  
 1,2-Dichloropropane  
 Concen: 0.463 ug/l  
 RT: 6.796 min Scan# 1697  
 Delta R.T. 0.003 min  
 Lab File: VU047830.D  
 Acq: 06 Apr 2022 14:21

Tgt Ion: 63 Resp: 7001  
 Ion Ratio Lower Upper  
 63 100  
 65 31.9 24.9 37.3





#39

Methacrylonitrile

Concen: 0.223 ug/l

RT: 4.986 min Scan# 1133

Delta R.T. 0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 41 Resp: 1101

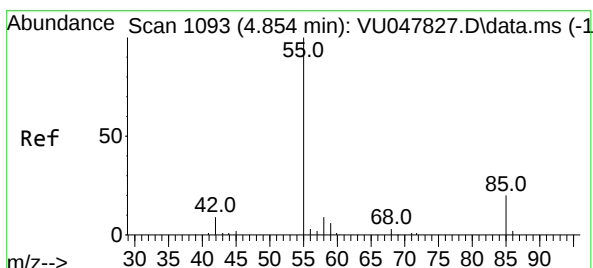
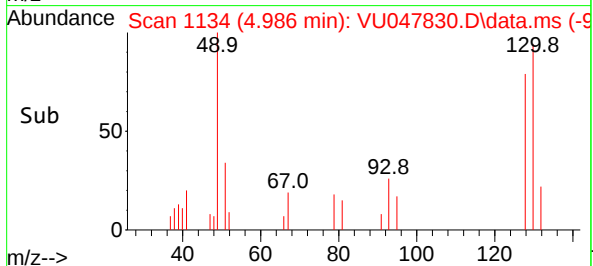
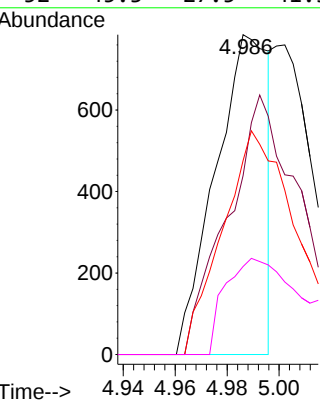
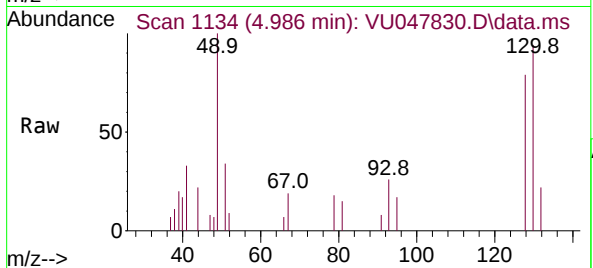
Ion Ratio Lower Upper

41 100

67 110.6 65.3 97.9#

39 97.7 43.6 65.4#

52 45.3 27.5 41.3#



#40

Methyl acrylate

Concen: 0.313 ug/l

RT: 4.870 min Scan# 1098

Delta R.T. 0.016 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Tgt Ion: 55 Resp: 2533

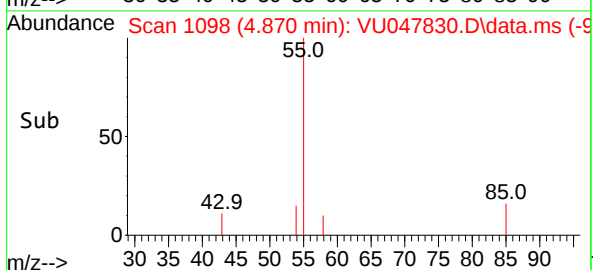
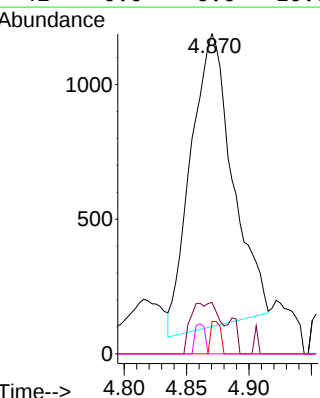
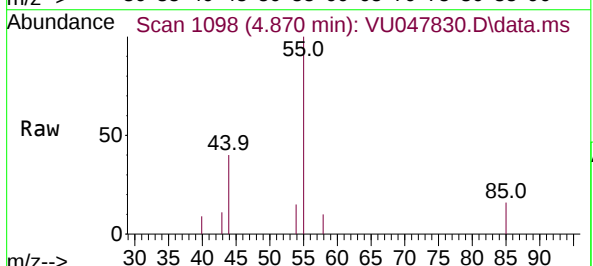
Ion Ratio Lower Upper

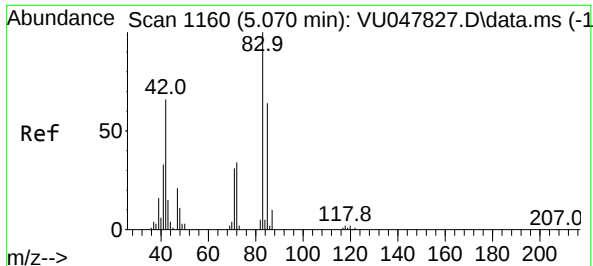
55 100

85 12.0 14.6 21.8#

58 2.6 6.7 10.1#

42 0.0 6.6 10.0#





#41

Tetrahydrofuran

Concen: 0.993 ug/l

RT: 5.076 min Scan# 1160

Delta R.T. 0.006 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

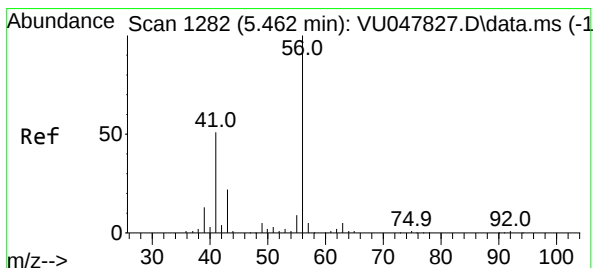
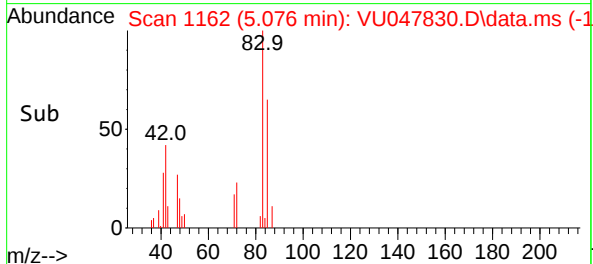
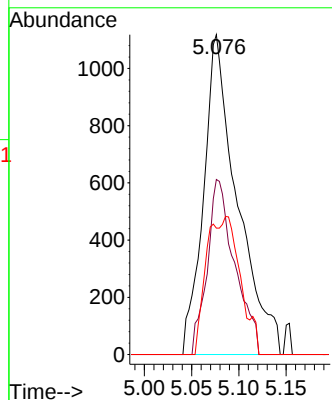
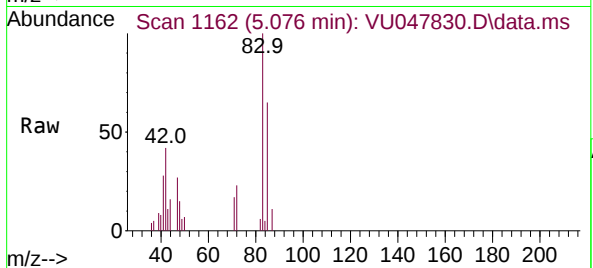
Tgt Ion: 42 Resp: 2776

Ion Ratio Lower Upper

42 100

72 44.7 43.8 65.8

71 15.8 37.4 56.0#



#42

1-Chlorobutane

Concen: 0.389 ug/l

RT: 5.465 min Scan# 1283

Delta R.T. 0.003 min

Lab File: VU047830.D

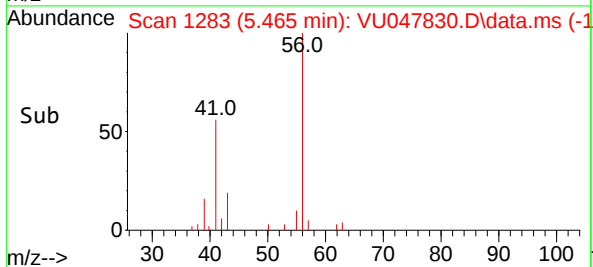
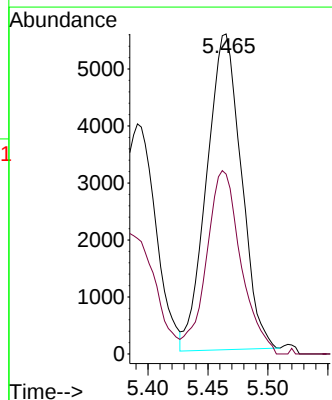
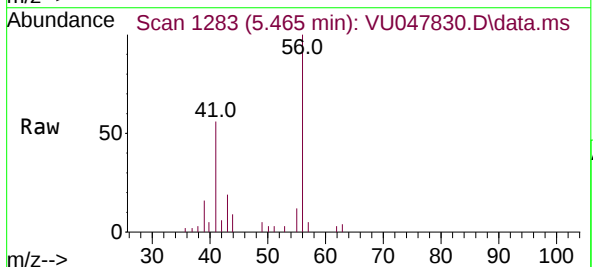
Acq: 06 Apr 2022 14:21

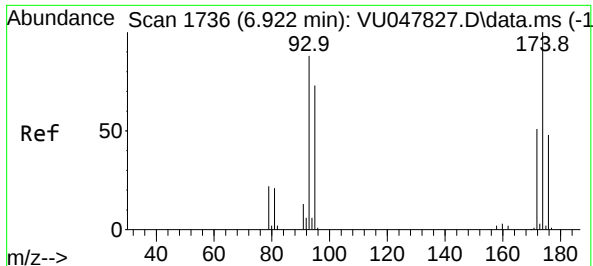
Tgt Ion: 56 Resp: 11119

Ion Ratio Lower Upper

56 100

41 57.8 25.6 76.6



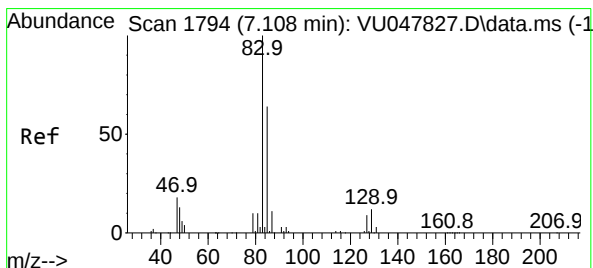
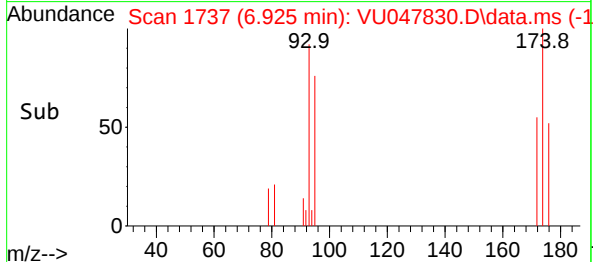
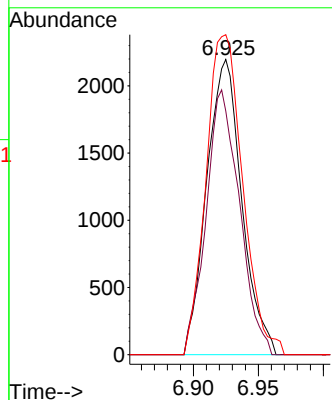
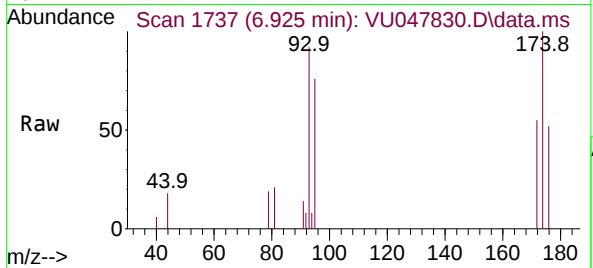


#43  
Dibromomethane  
Concen: 0.539 ug/l  
RT: 6.925 min Scan# 1736  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 93 Resp: 4129

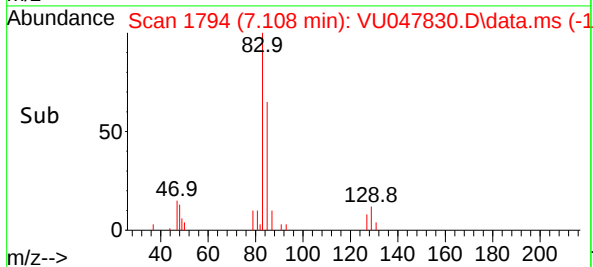
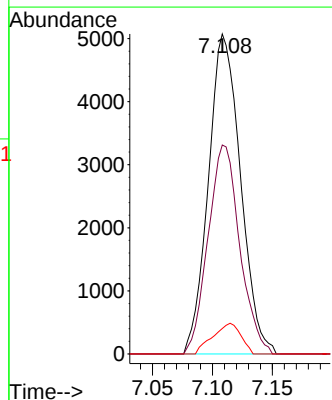
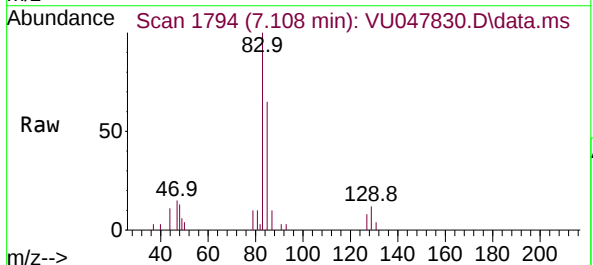
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 85.5  | 67.0  | 100.4 |
| 174 | 113.4 | 89.8  | 134.8 |

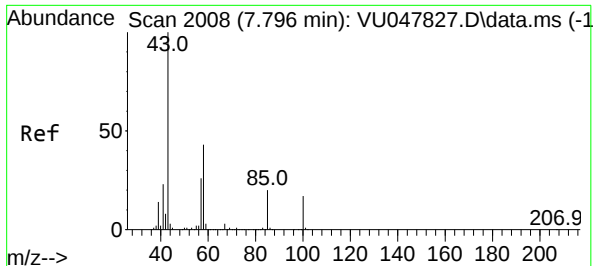


#44  
Bromodichloromethane  
Concen: 0.500 ug/l  
RT: 7.108 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion: 83 Resp: 9447

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 65.3  | 50.8  | 76.2  |
| 127 | 7.9   | 7.4   | 11.2  |





#45

4-Methyl-2-Pentanone

Concen: 1.954 ug/l

RT: 7.800 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

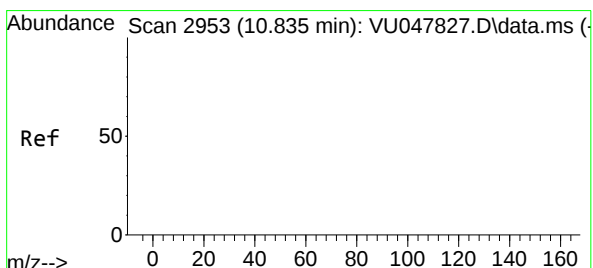
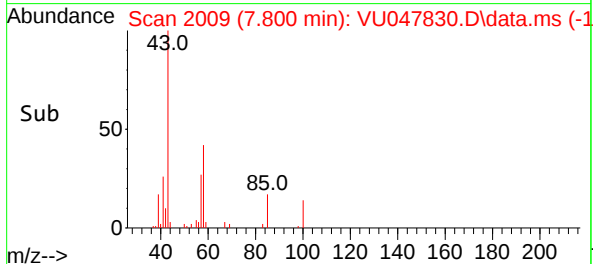
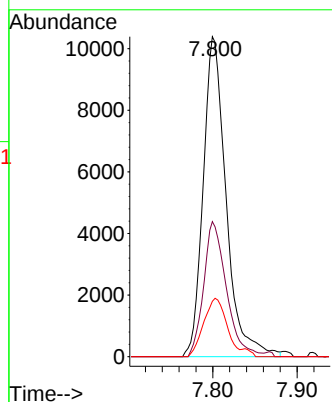
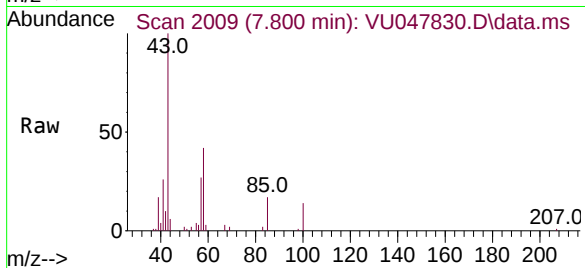
Tgt Ion: 43 Resp: 19697

Ion Ratio Lower Upper

43 100

58 41.8 21.1 63.4

85 19.2 16.2 24.2



#46

t-1,4-Dichloro-2-butene

Concen: 2.176 ug/l

RT: 10.825 min Scan# 2950

Delta R.T. -0.010 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Tgt Ion: 75 Resp: 7948

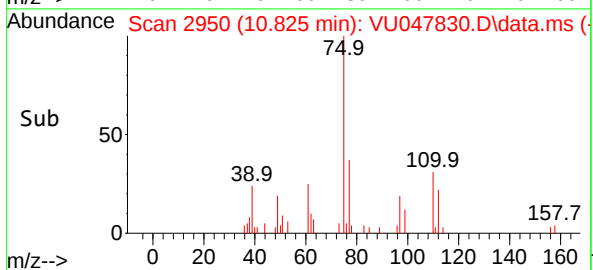
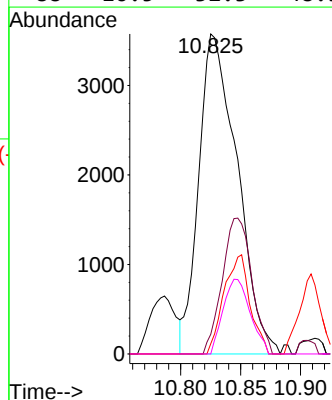
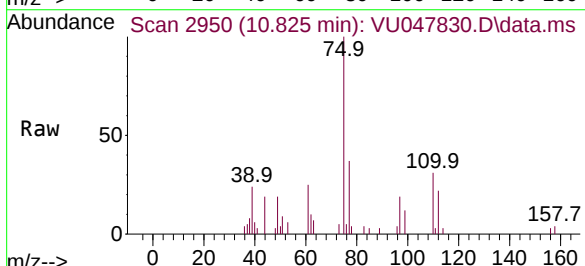
Ion Ratio Lower Upper

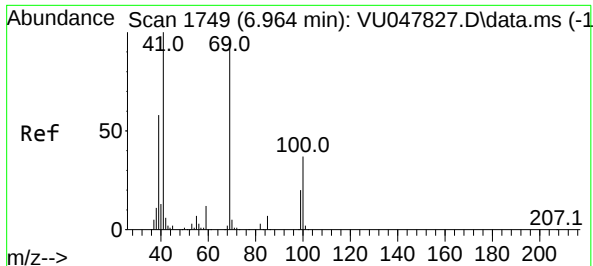
75 100

53 32.7 63.4 95.2#

89 21.1 43.6 65.4#

88 16.5 32.3 48.5#





#47

Methyl methacrylate

Concen: 0.784 ug/l

RT: 6.967 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 69 Resp: 5917

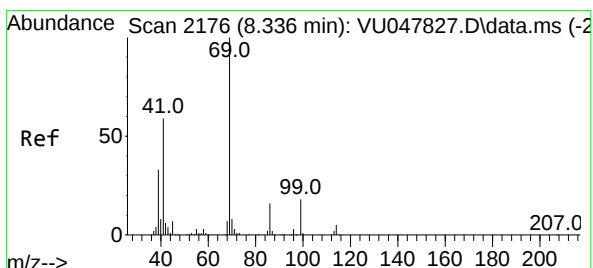
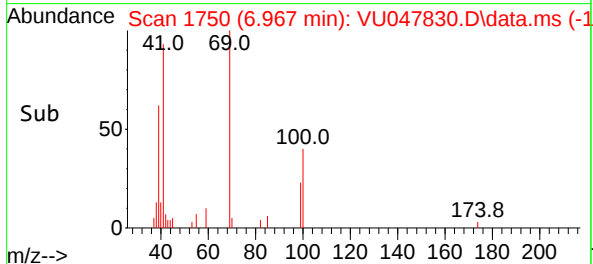
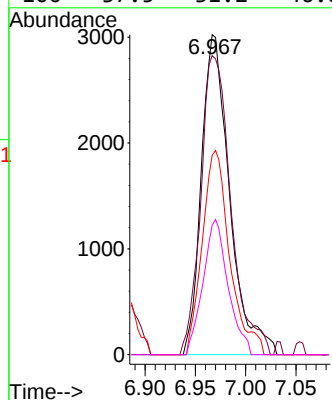
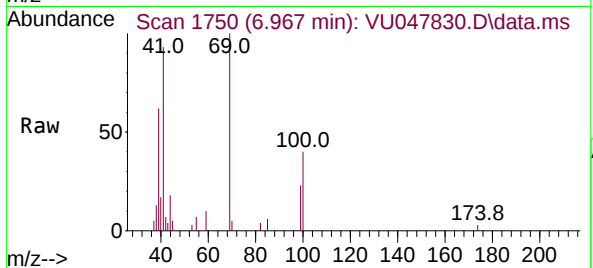
Ion Ratio Lower Upper

69 100

41 99.6 0.0 205.0

39 62.1 47.9 71.9

100 37.5 31.2 46.8



#48

Ethyl methacrylate

Concen: 0.375 ug/l

RT: 8.340 min Scan# 2177

Delta R.T. 0.003 min

Lab File: VU047830.D

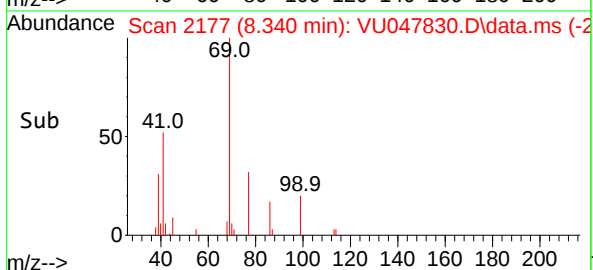
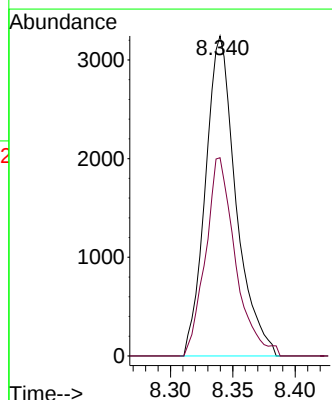
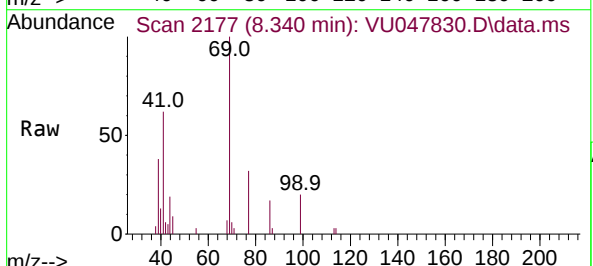
Acq: 06 Apr 2022 14:21

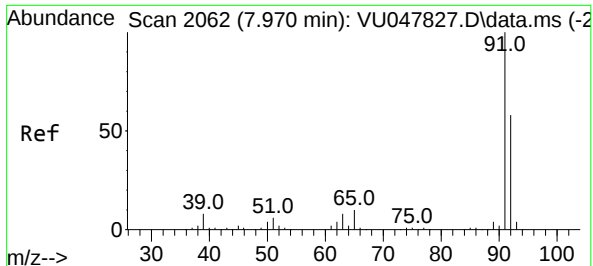
Tgt Ion: 69 Resp: 5520

Ion Ratio Lower Upper

69 100

41 60.5 29.8 89.4





#49

Toluene

Concen: 0.420 ug/l

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

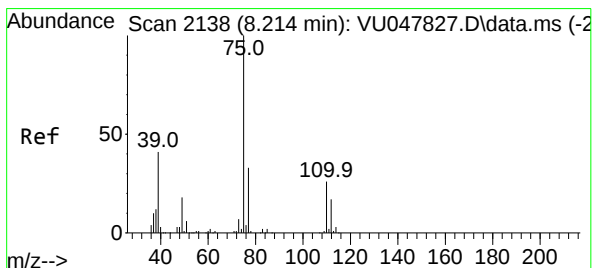
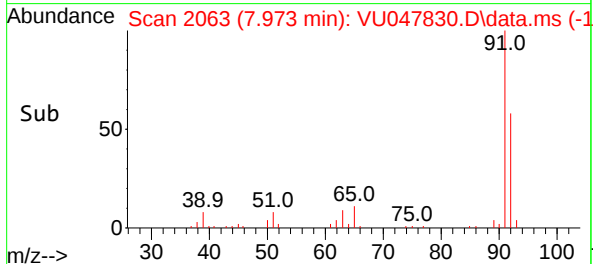
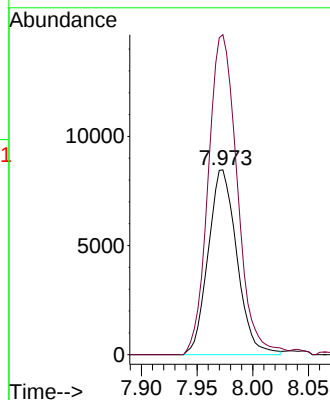
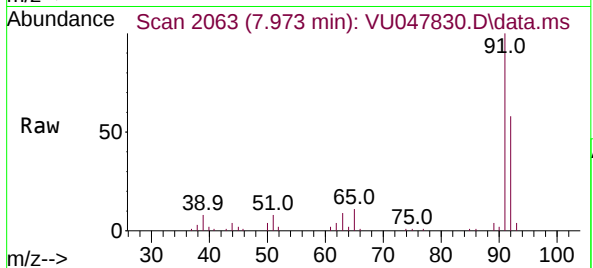
VSTDIC0.5

Tgt Ion: 92 Resp: 15185

Ion Ratio Lower Upper

92 100

91 175.3 137.4 206.0



#50

t-1,3-Dichloropropene

Concen: 0.417 ug/l

RT: 8.214 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU047830.D

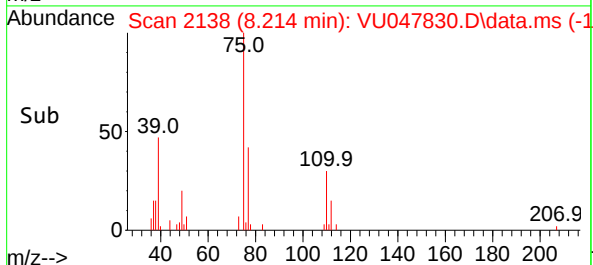
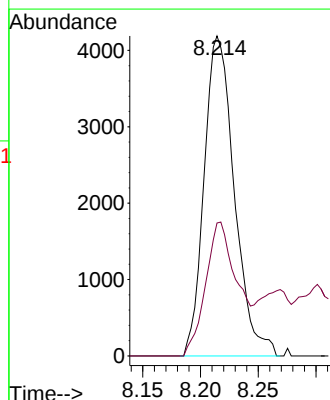
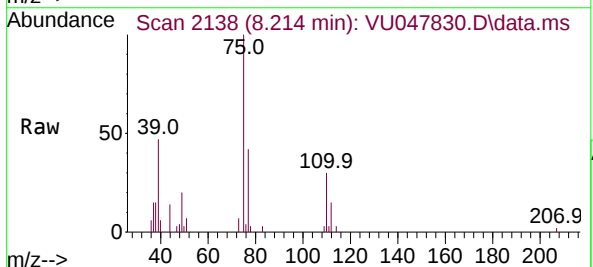
Acq: 06 Apr 2022 14:21

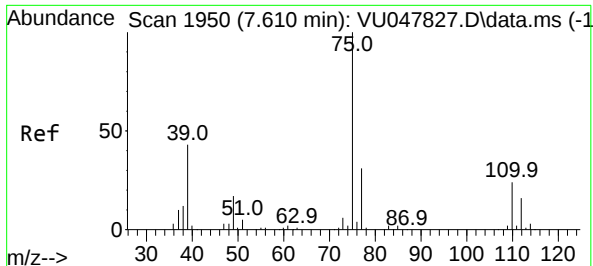
Tgt Ion: 75 Resp: 7621

Ion Ratio Lower Upper

75 100

77 41.6 26.0 39.0#





#51

cis-1,3-Dichloropropene

Concen: 0.424 ug/l

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

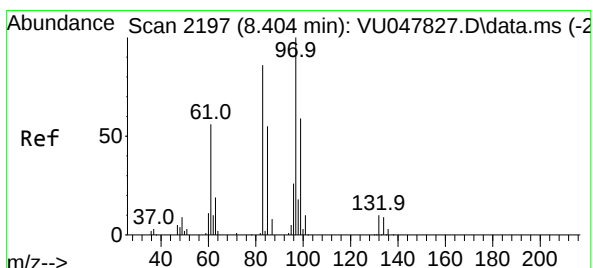
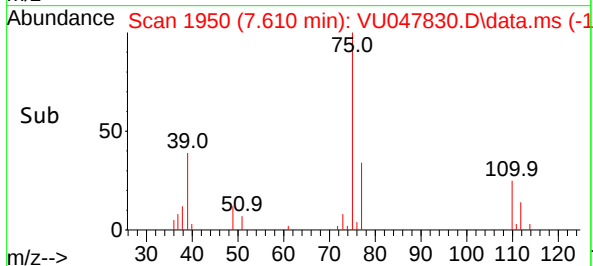
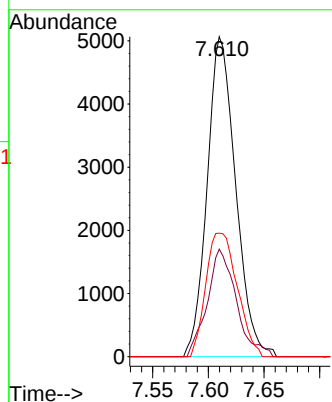
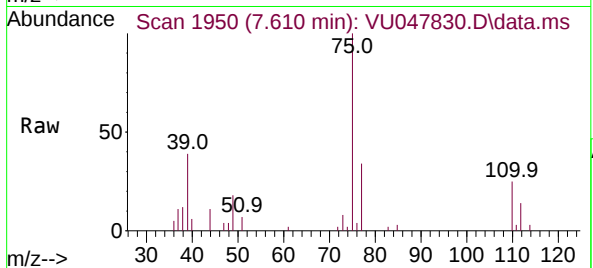
Tgt Ion: 75 Resp: 9023

Ion Ratio Lower Upper

75 100

77 33.6 25.1 37.7

39 38.6 34.2 51.4



#52

1,1,2-Trichloroethane

Concen: 0.515 ug/l

RT: 8.401 min Scan# 2196

Delta R.T. -0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Tgt Ion: 97 Resp: 5685

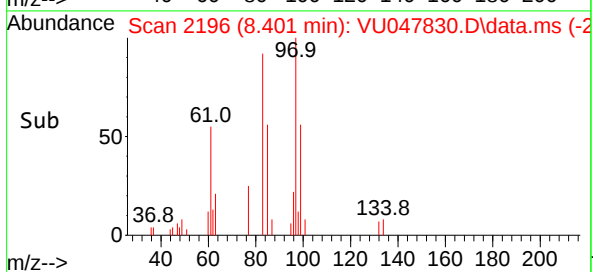
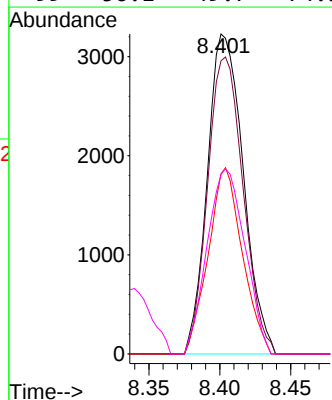
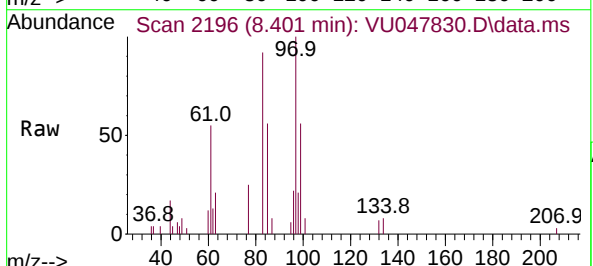
Ion Ratio Lower Upper

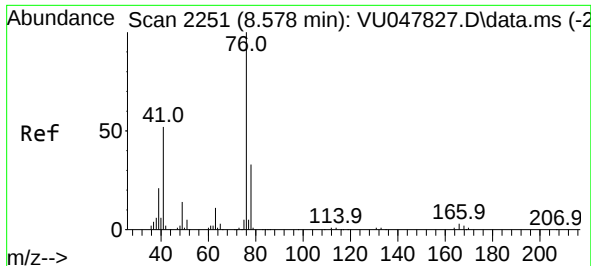
97 100

83 91.6 68.8 103.2

85 56.3 44.2 66.4

99 56.1 49.7 74.5





#53

1,3-Dichloropropane

Concen: 0.464 ug/l

RT: 8.578 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

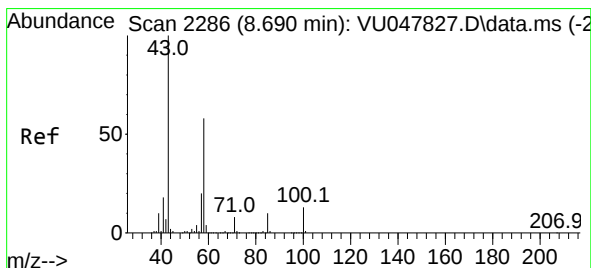
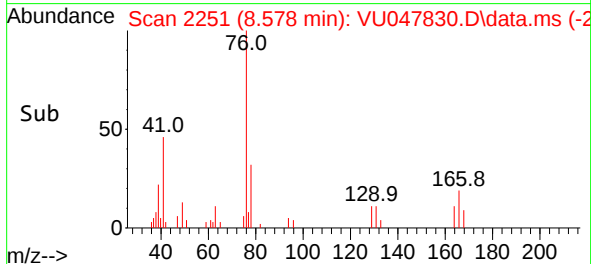
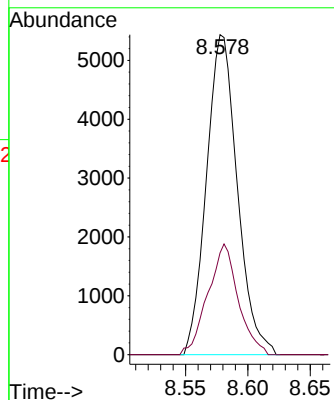
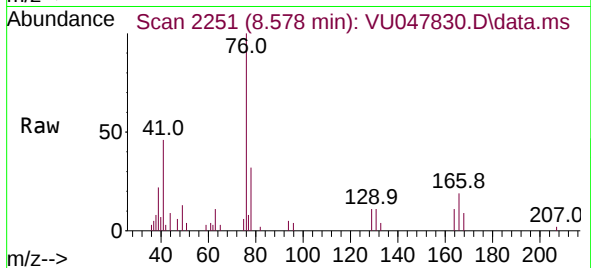
VSTDICC0.5

Tgt Ion: 76 Resp: 9364

Ion Ratio Lower Upper

76 100

78 34.0 26.1 39.1



#54

2-Hexanone

Concen: 1.858 ug/l

RT: 8.693 min Scan# 2287

Delta R.T. 0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

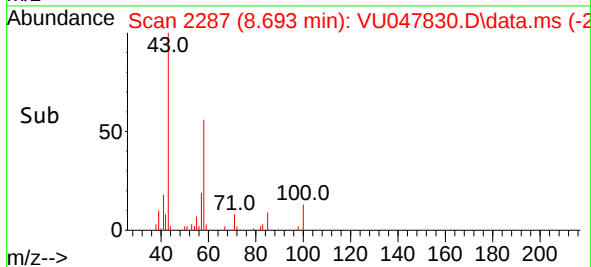
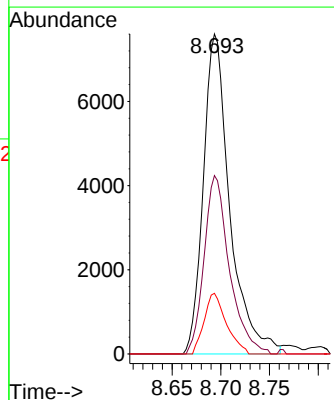
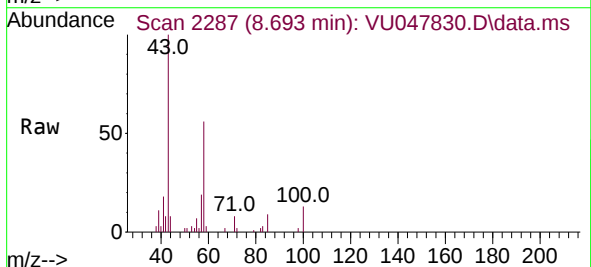
Tgt Ion: 43 Resp: 14340

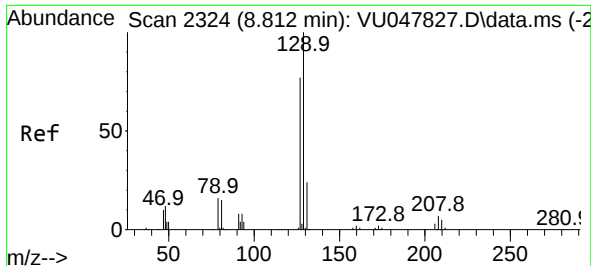
Ion Ratio Lower Upper

43 100

58 53.4 37.9 77.9

57 15.9 0.0 39.5





#55

Dibromochloromethane

Concen: 0.559 ug/l

RT: 8.809 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

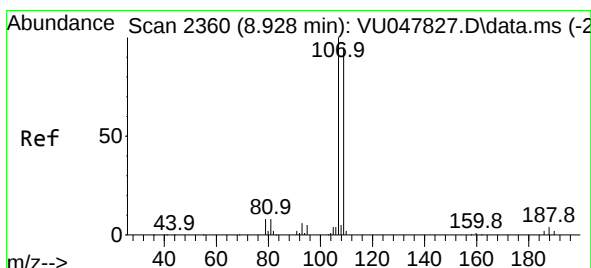
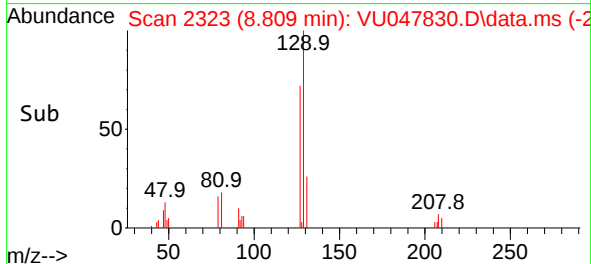
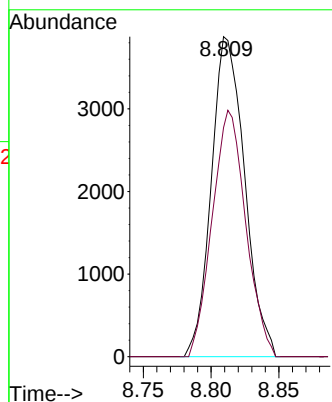
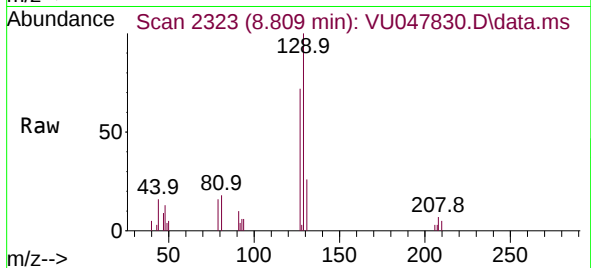
VSTDICC0.5

Tgt Ion:129 Resp: 6616

Ion Ratio Lower Upper

129 100

127 77.6 61.8 92.8



#56

1,2-Dibromoethane

Concen: 0.523 ug/l

RT: 8.928 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VU047830.D

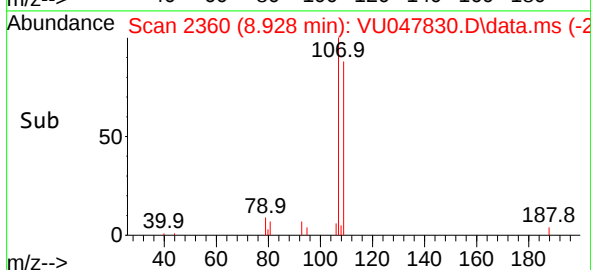
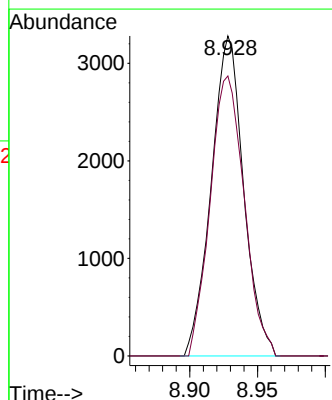
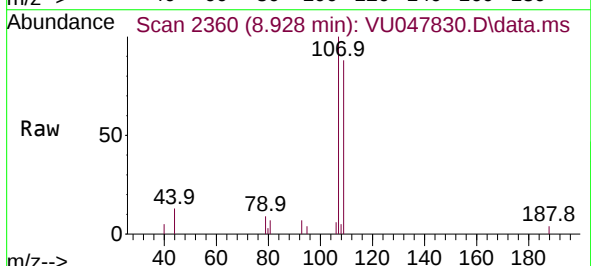
Acq: 06 Apr 2022 14:21

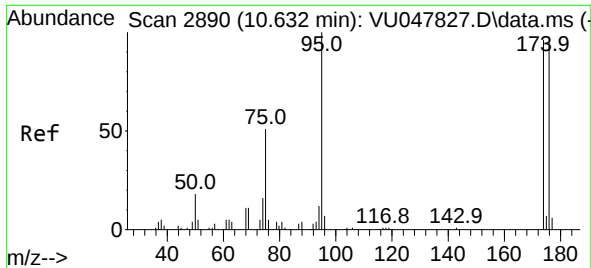
Tgt Ion:107 Resp: 5450

Ion Ratio Lower Upper

107 100

109 91.9 0.0 186.8

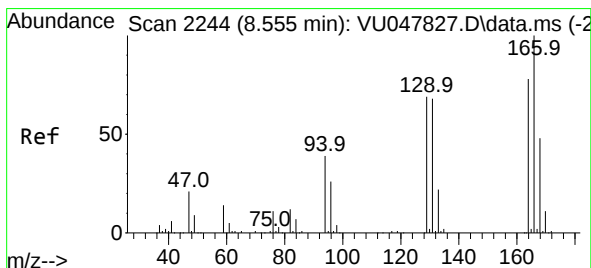
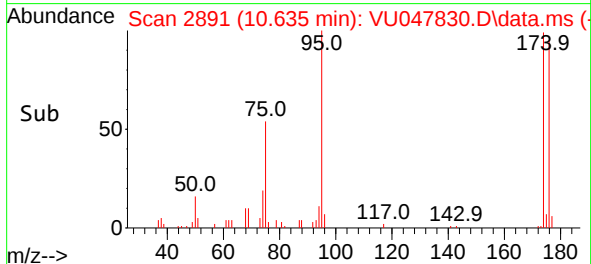
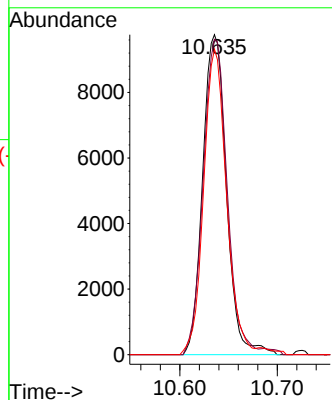
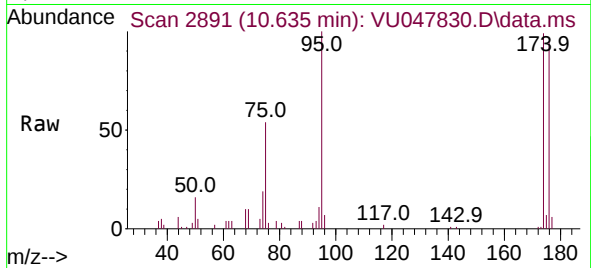




#57  
4-Bromofluorobenzene  
Concen: 0.886 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

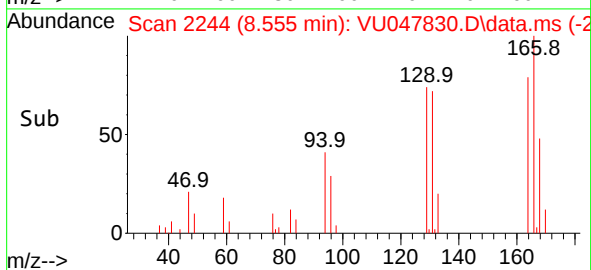
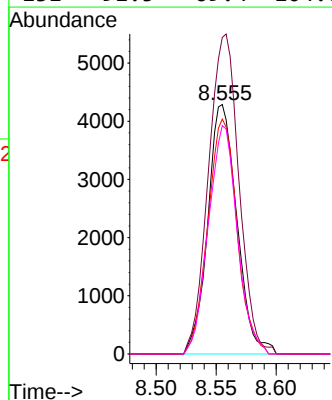
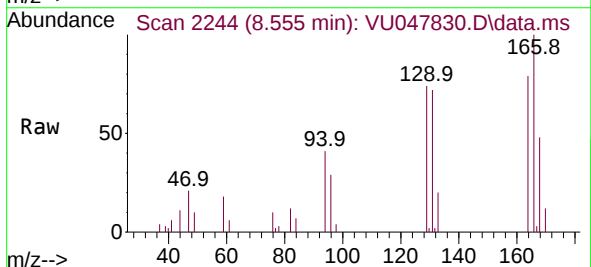
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

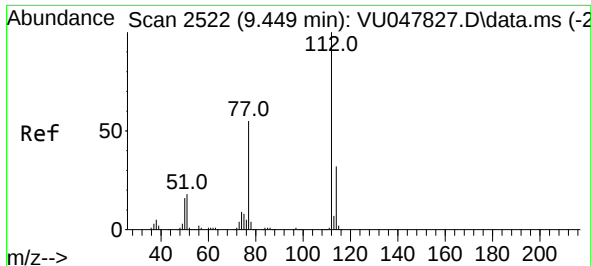
Tgt Ion: 95 Resp: 16466  
Ion Ratio Lower Upper  
95 100  
174 101.0 76.9 115.3  
176 92.0 76.4 114.6



#58  
Tetrachloroethene  
Concen: 0.545 ug/l  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion: 164 Resp: 7219  
Ion Ratio Lower Upper  
164 100  
166 126.8 102.6 154.0  
129 94.1 71.1 106.7  
131 91.5 69.4 104.0





#59

Chlorobenzene

Concen: 0.508 ug/l

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

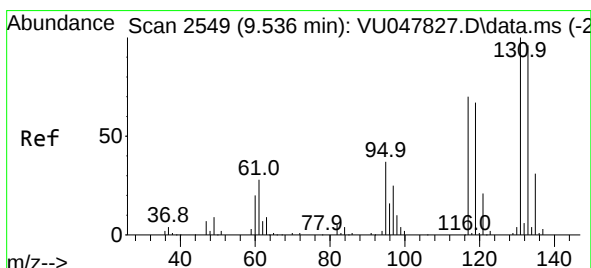
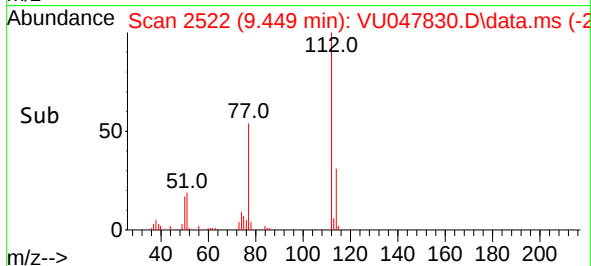
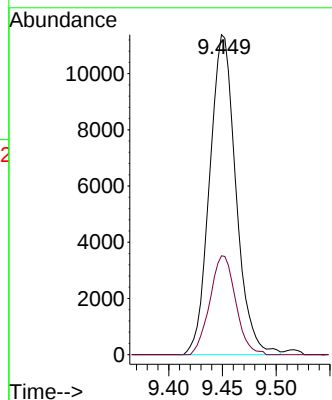
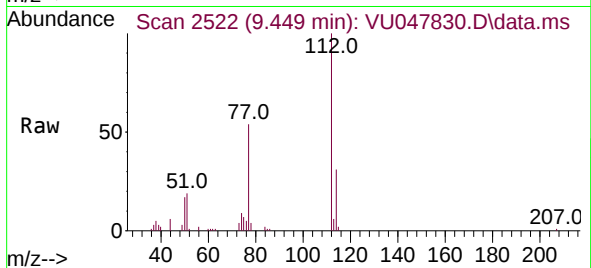
VSTDIC0.5

Tgt Ion:112 Resp: 19349

Ion Ratio Lower Upper

112 100

114 30.9 25.5 38.3



#60

1,1,1,2-Tetrachloroethane

Concen: 0.512 ug/l

RT: 9.536 min Scan# 2549

Delta R.T. 0.000 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

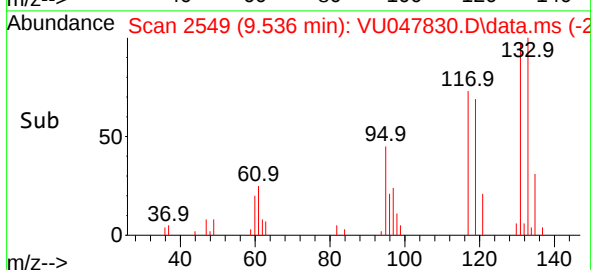
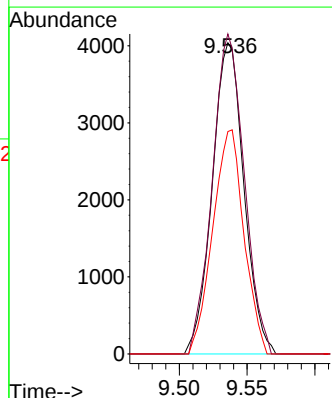
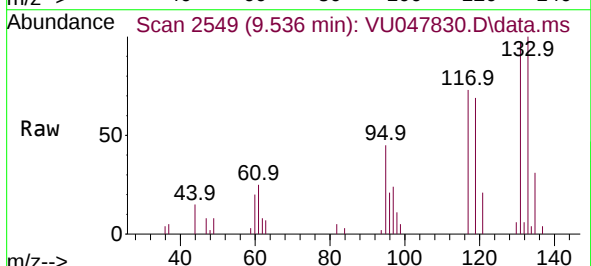
Tgt Ion:131 Resp: 6567

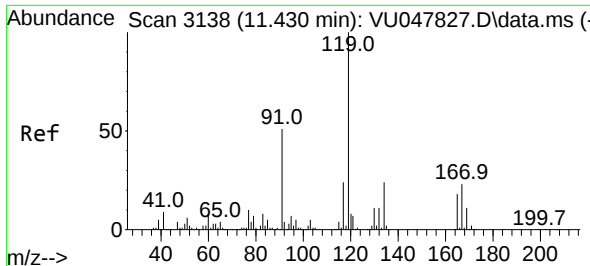
Ion Ratio Lower Upper

131 100

133 103.7 76.6 115.0

119 70.8 53.1 79.7

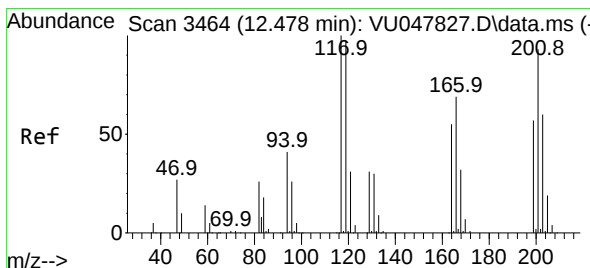
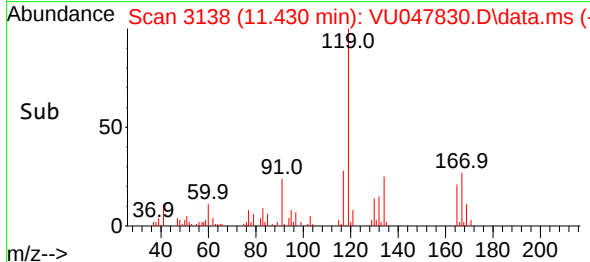
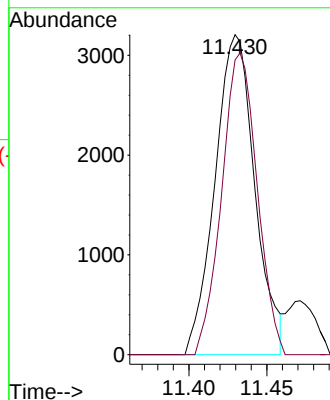
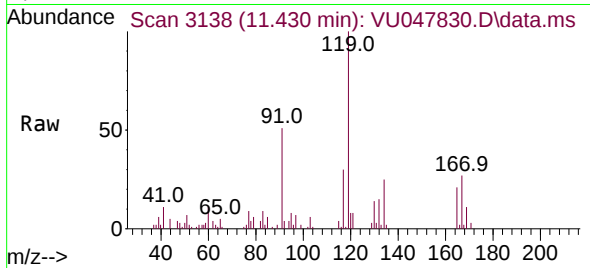




#61  
 Pentachloroethane  
 Concen: 0.603 ug/l  
 RT: 11.430 min Scan# 3138  
 Delta R.T. -0.000 min  
 Lab File: VU047830.D  
 Acq: 06 Apr 2022 14:21

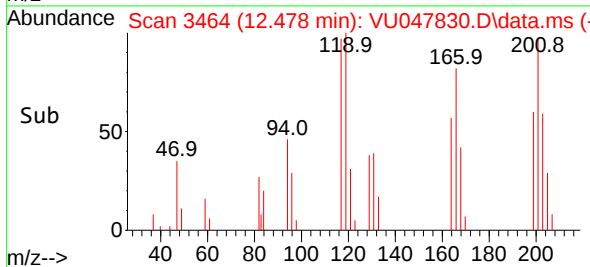
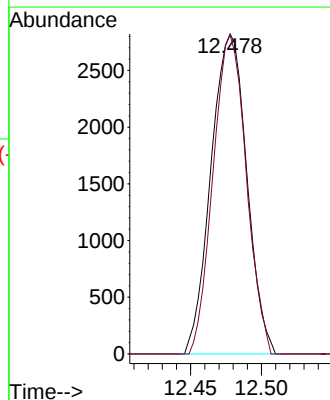
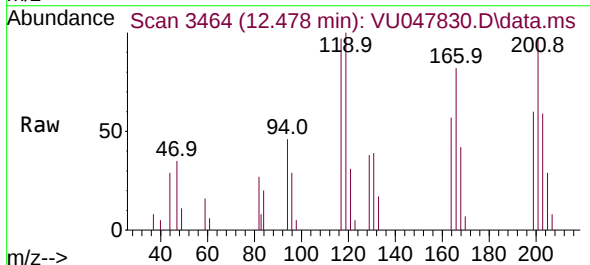
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

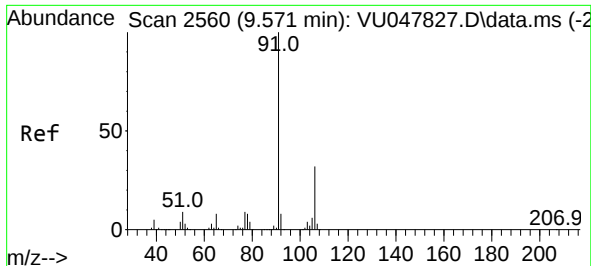
Tgt Ion:117 Resp: 5708  
 Ion Ratio Lower Upper  
 117 100  
 167 83.8 71.0 106.4



#62  
 Hexachloroethane  
 Concen: 0.509 ug/l  
 RT: 12.478 min Scan# 3464  
 Delta R.T. 0.000 min  
 Lab File: VU047830.D  
 Acq: 06 Apr 2022 14:21

Tgt Ion:117 Resp: 4956  
 Ion Ratio Lower Upper  
 117 100  
 201 92.4 74.8 112.2

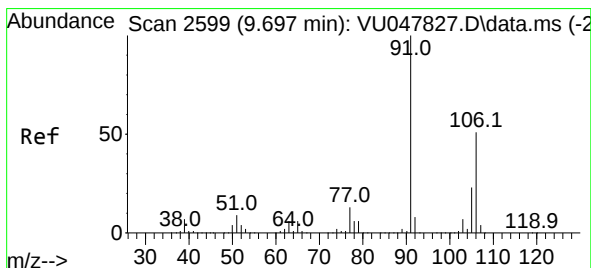
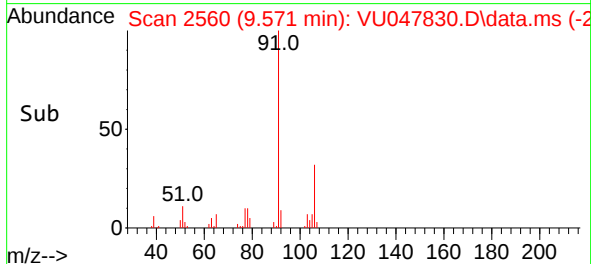
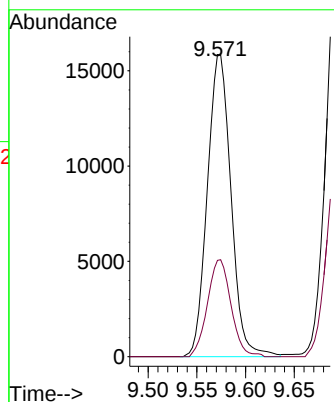
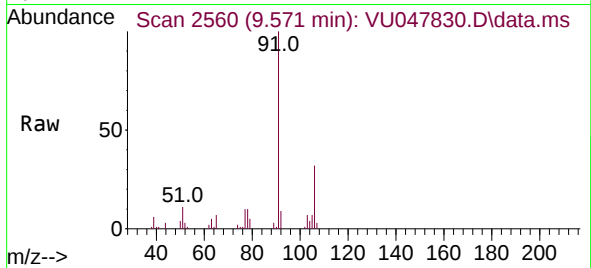




#63  
Ethyl Benzene  
Concen: 0.400 ug/l  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

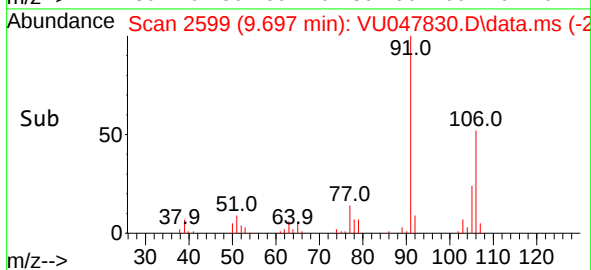
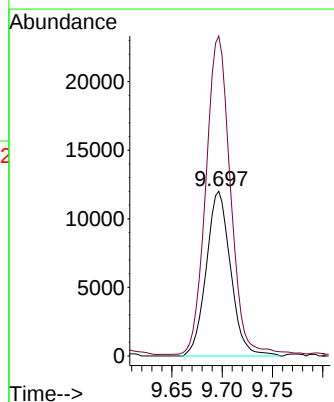
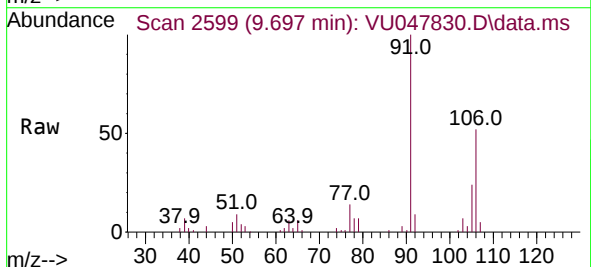
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

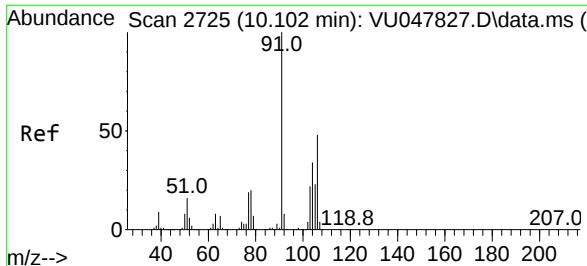
Tgt Ion: 91 Resp: 26814  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.4 38.0



#64  
m/p-Xylenes  
Concen: 0.787 ug/l  
RT: 9.697 min Scan# 2599  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion: 106 Resp: 20227  
Ion Ratio Lower Upper  
106 100  
91 194.3 158.2 237.4

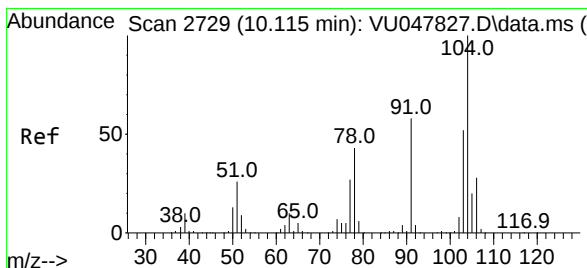
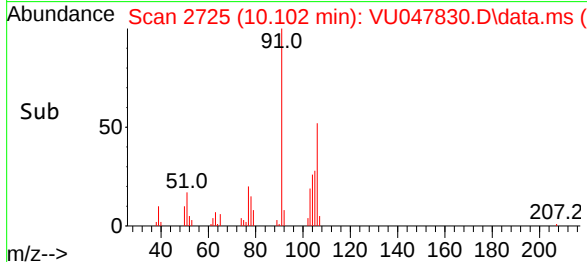
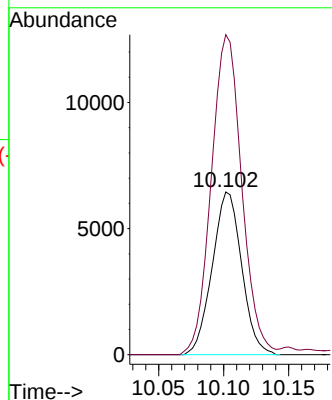
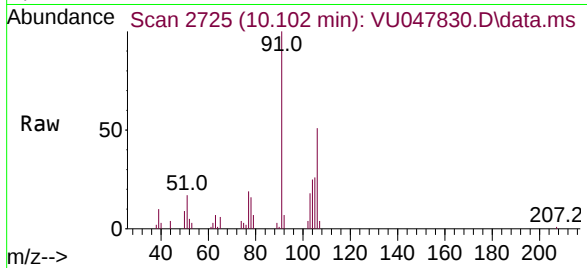




#65  
o-Xylene  
Concen: 0.406 ug/l  
RT: 10.102 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

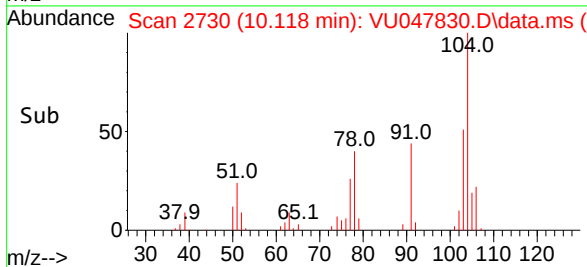
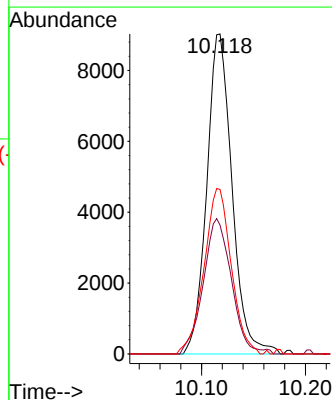
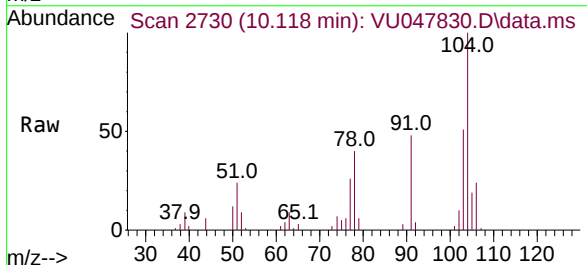
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

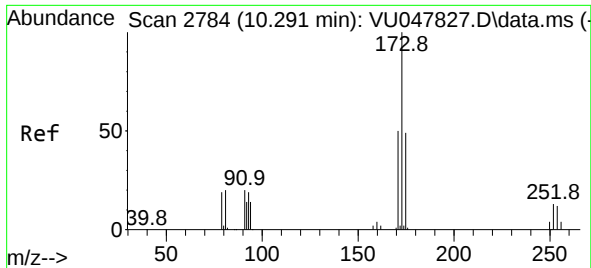
Tgt Ion:106 Resp: 10147  
Ion Ratio Lower Upper  
106 100  
91 203.7 105.4 316.2



#66  
Styrene  
Concen: 0.371 ug/l  
RT: 10.118 min Scan# 2730  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion:104 Resp: 15268  
Ion Ratio Lower Upper  
104 100  
78 47.1 37.1 55.7  
103 55.6 44.1 66.1

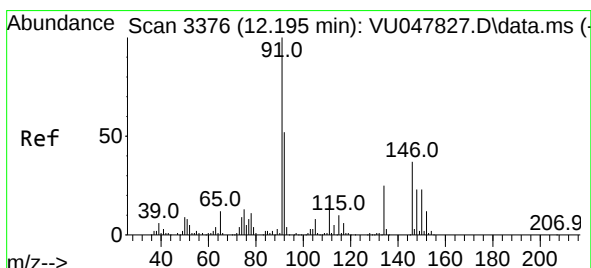
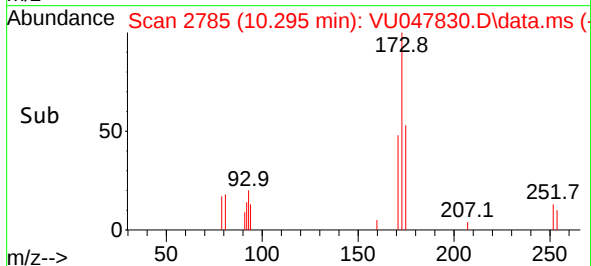
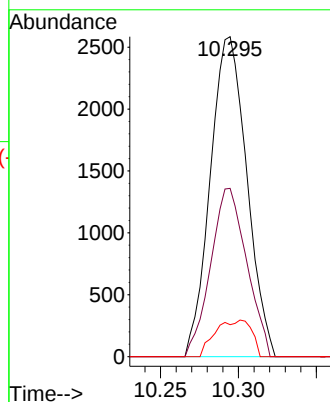
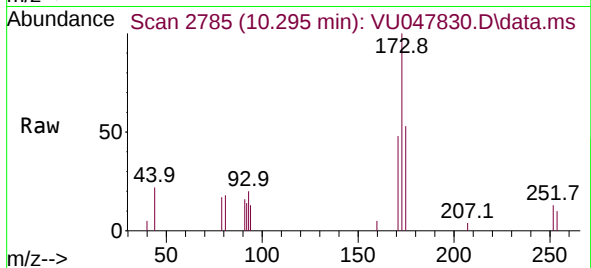




#67  
Bromoform  
Concen: 0.650 ug/l  
RT: 10.295 min Scan# 2784  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

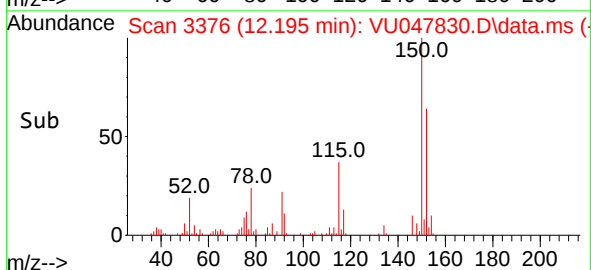
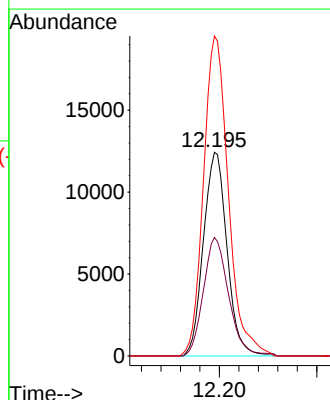
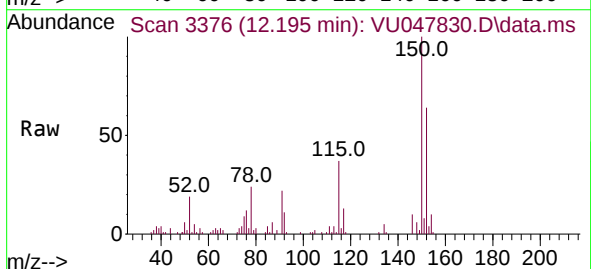
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

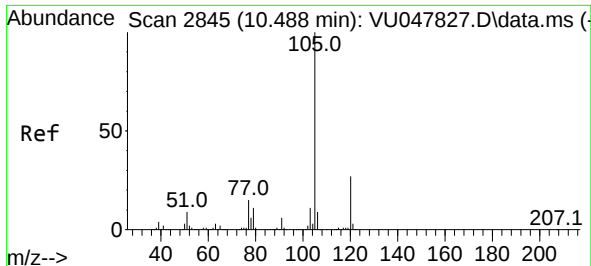
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 4204      |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 52.0  | 39.0 58.4 |
| 254         | 11.4  | 9.4 14.2  |



#68  
1,2-Dichlorobenzene-d4  
Concen: 1.153 ug/l  
RT: 12.195 min Scan# 3376  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 20888     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 62.1  | 0.0 255.8 |
| 150         | 165.1 | 0.0 659.8 |

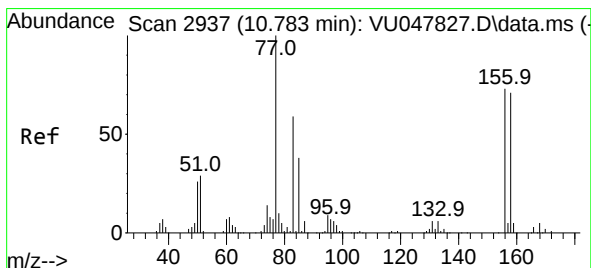
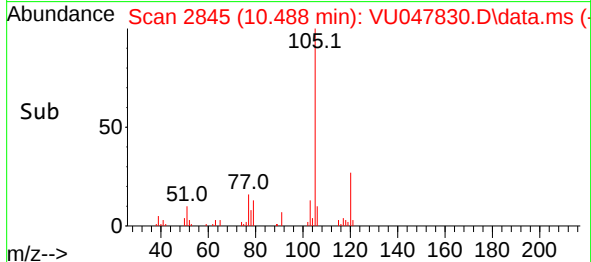
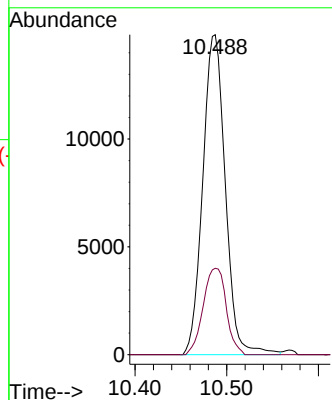
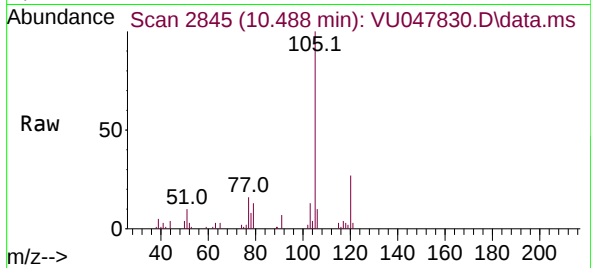




#69  
Isopropylbenzene  
Concen: 0.386 ug/l  
RT: 10.488 min Scan# 2845  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

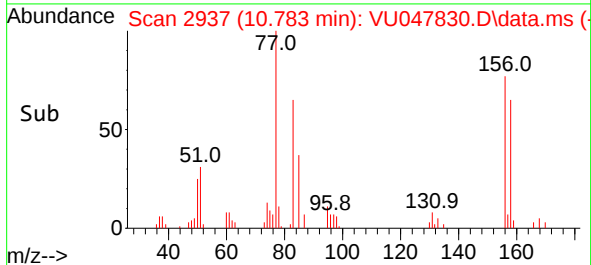
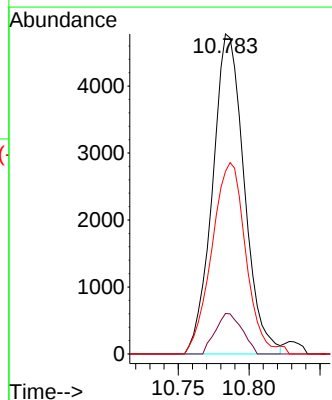
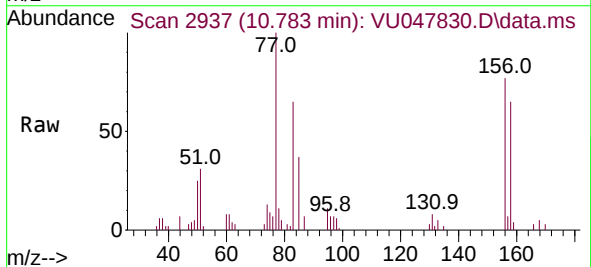
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

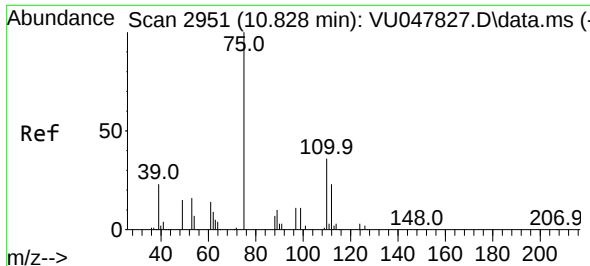
Tgt Ion:105 Resp: 25349  
Ion Ratio Lower Upper  
105 100  
120 27.5 13.6 40.8



#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.523 ug/l  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion: 83 Resp: 7430  
Ion Ratio Lower Upper  
83 100  
131 10.6 8.2 12.4  
85 64.1 52.6 79.0

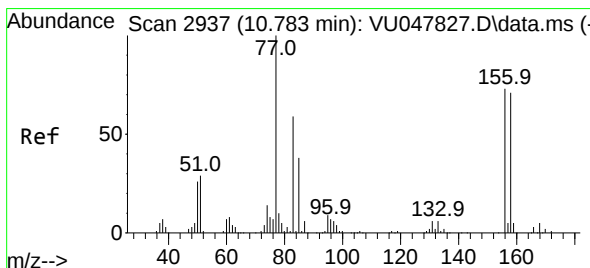
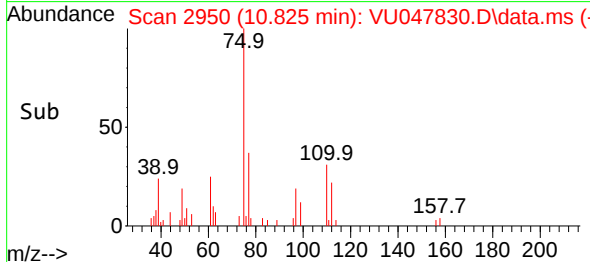
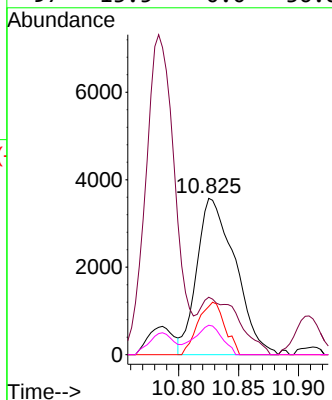
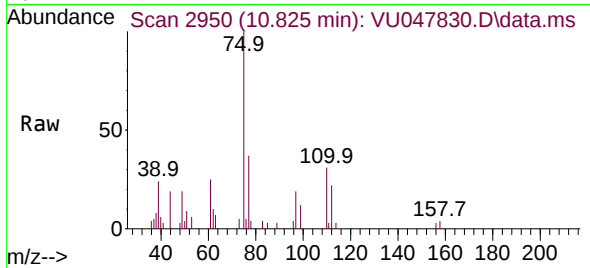




#71  
1,2,3-Trichloropropane  
Concen: 0.675 ug/l  
RT: 10.825 min Scan# 2950  
Delta R.T. -0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

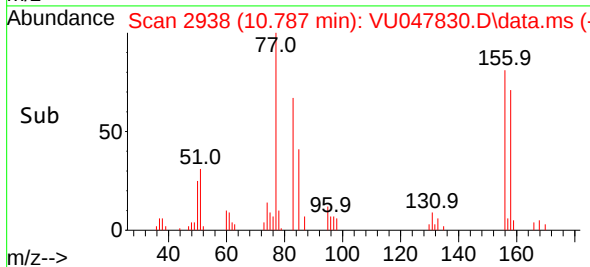
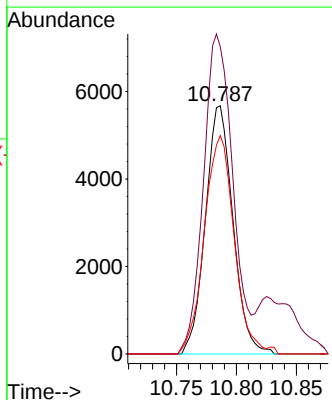
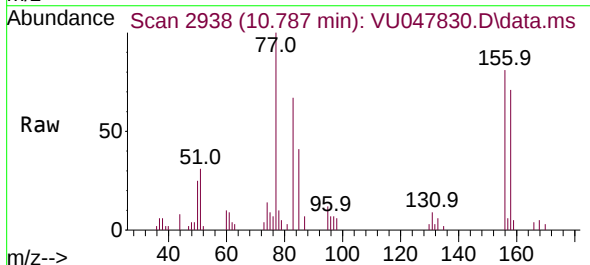
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

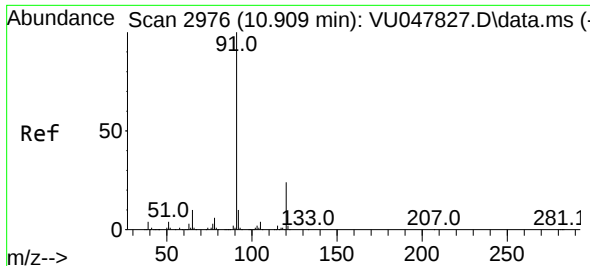
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 7948  |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 35.8     | 0.0 92.6    |
| 110 23.5    | 0.0 68.2    |
| 97 13.5     | 0.0 36.8    |



#72  
Bromobenzene  
Concen: 0.597 ug/l  
RT: 10.787 min Scan# 2938  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:156 | Resp: | 9072  |       |
| Ion         | Ratio | Lower | Upper |
| 156         | 100   |       |       |
| 77          | 136.2 | 0.0   | 273.4 |
| 158         | 95.3  | 0.0   | 193.6 |

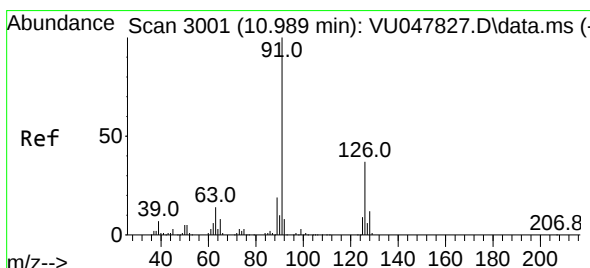
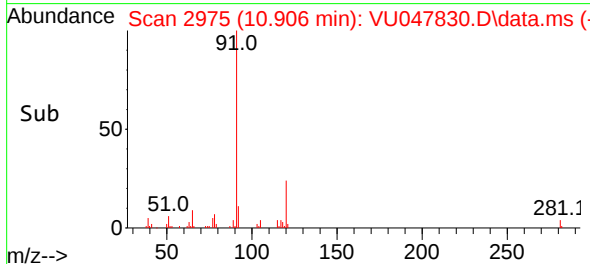
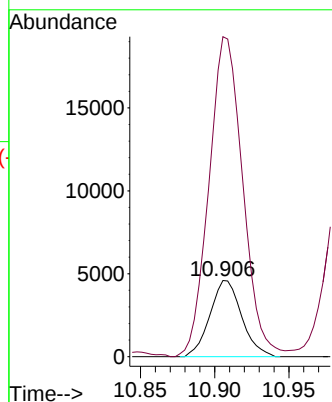
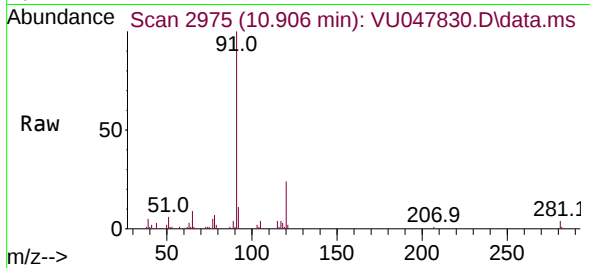




#73  
n-propylbenzene  
Concen: 0.391 ug/l  
RT: 10.906 min Scan# 2975  
Delta R.T. -0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

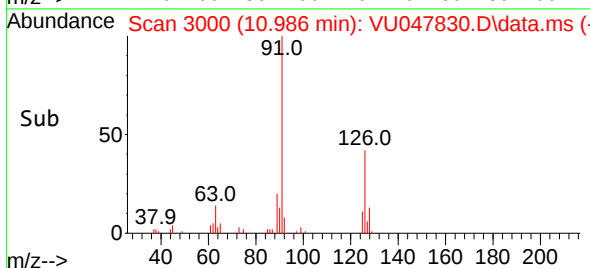
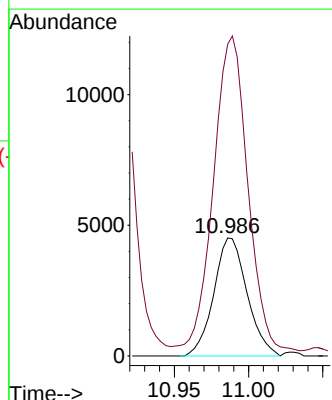
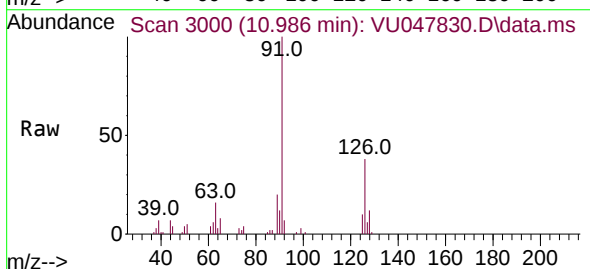
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

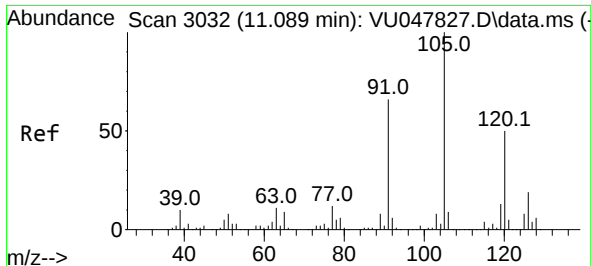
Tgt Ion:120 Resp: 6838  
Ion Ratio Lower Upper  
120 100  
91 446.4 333.7 500.5



#74  
2-Chlorotoluene  
Concen: 0.462 ug/l  
RT: 10.986 min Scan# 3000  
Delta R.T. -0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion:126 Resp: 7037  
Ion Ratio Lower Upper  
126 100  
91 276.7 0.0 554.6

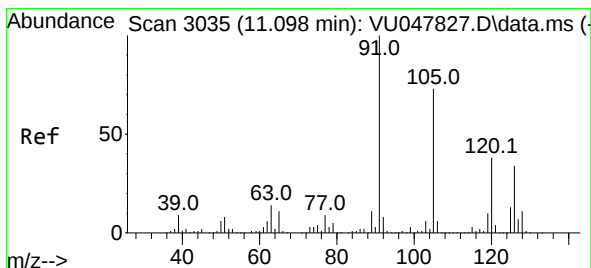
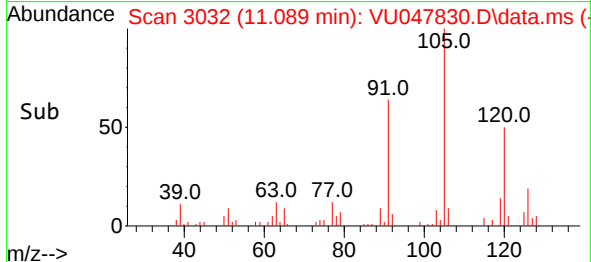
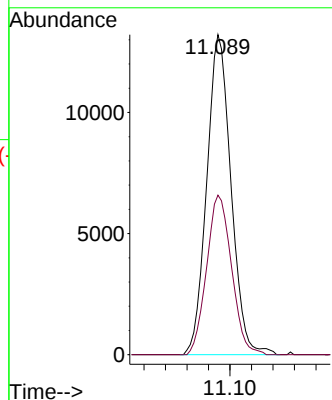
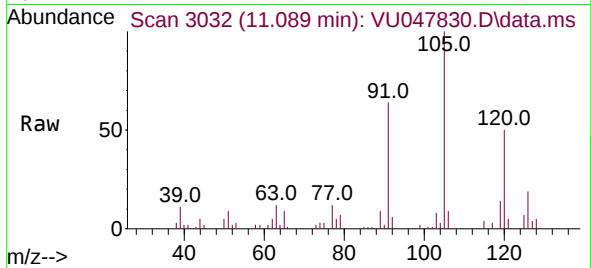




#75  
1,3,5-Trimethylbenzene  
Concen: 0.376 ug/l  
RT: 11.089 min Scan# 3032  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

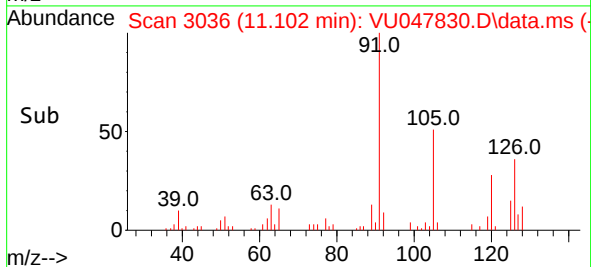
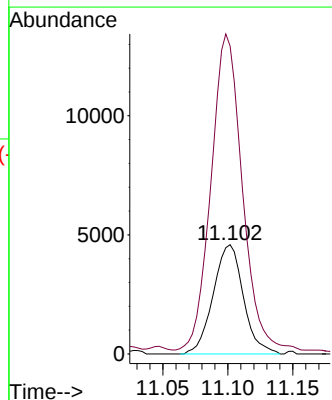
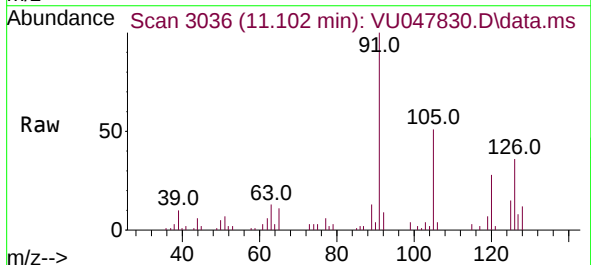
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MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

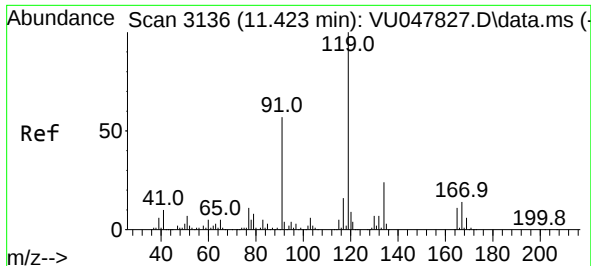
Tgt Ion:105 Resp: 20668  
Ion Ratio Lower Upper  
105 100  
120 51.3 40.6 61.0



#76  
4-Chlorotoluene  
Concen: 0.472 ug/l  
RT: 11.102 min Scan# 3036  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion:126 Resp: 7409  
Ion Ratio Lower Upper  
126 100  
91 313.5 0.0 616.4

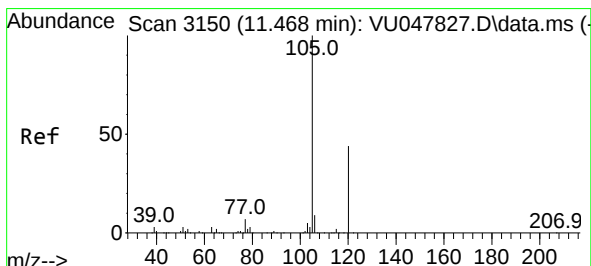
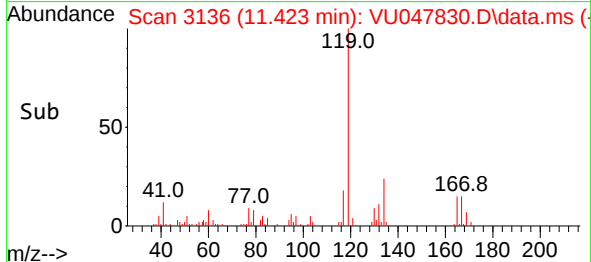
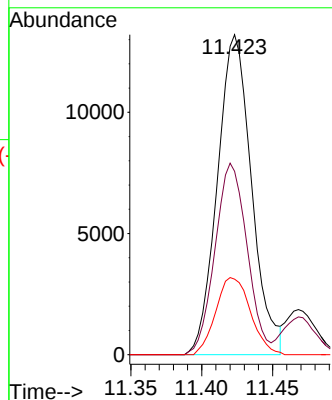
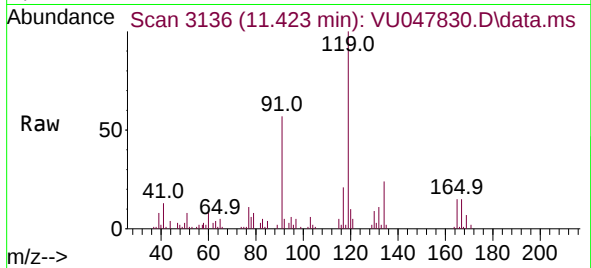




#77  
tert-Butylbenzene  
Concen: 0.413 ug/l  
RT: 11.423 min Scan# 3136  
Delta R.T. 0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

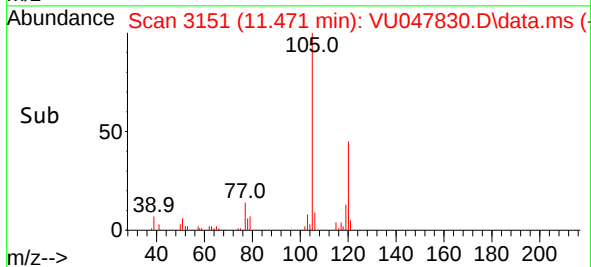
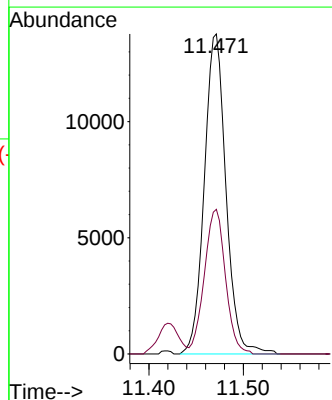
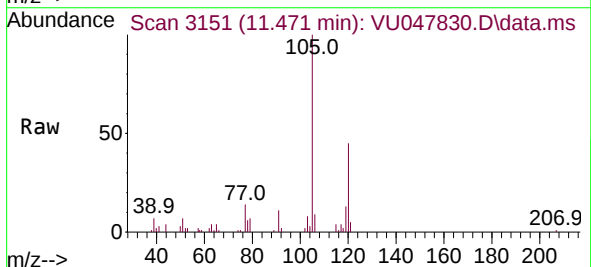
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

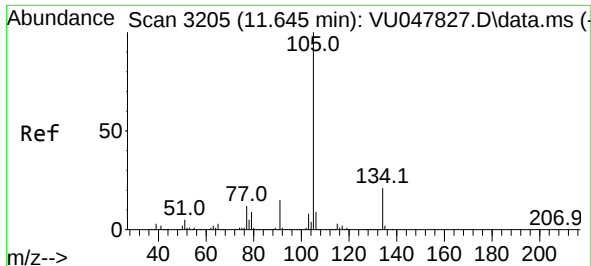
Tgt Ion:119 Resp: 22184  
Ion Ratio Lower Upper  
119 100  
91 56.2 27.3 81.9  
134 24.4 19.0 28.4



#78  
1,2,4-Trimethylbenzene  
Concen: 0.392 ug/l  
RT: 11.471 min Scan# 3151  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion:105 Resp: 21955  
Ion Ratio Lower Upper  
105 100  
120 44.0 23.8 71.5





#79

sec-Butylbenzene

Concen: 0.382 ug/l

RT: 11.645 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

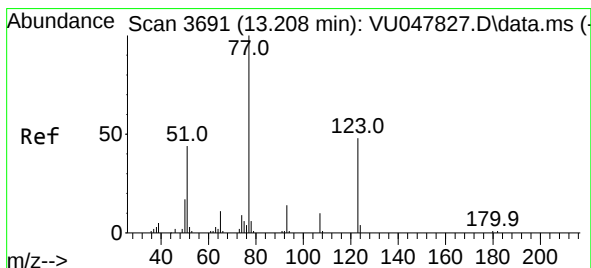
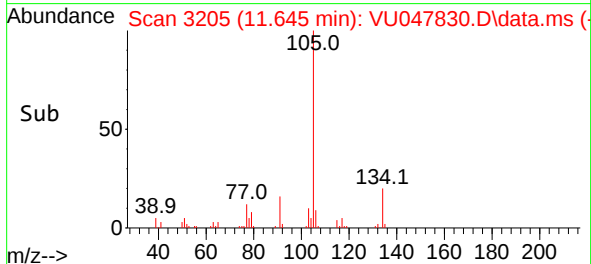
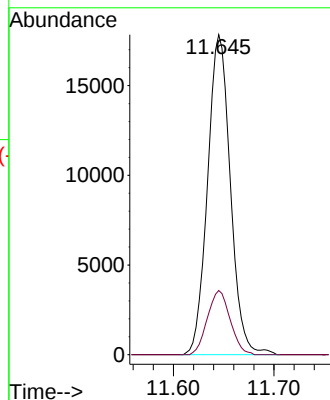
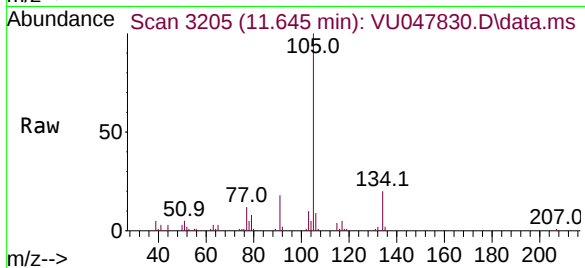
VSTDIC0.5

Tgt Ion:105 Resp: 28079

Ion Ratio Lower Upper

105 100

134 20.0 16.7 25.1



#80

Nitrobenzene

Concen: 3.293 ug/l

RT: 13.214 min Scan# 3693

Delta R.T. 0.006 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

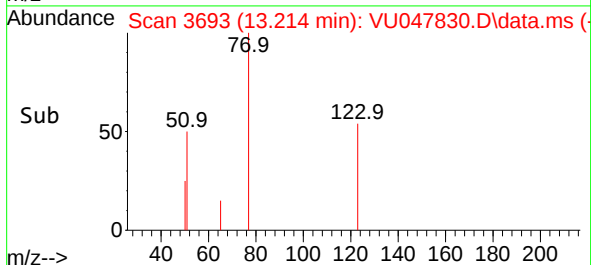
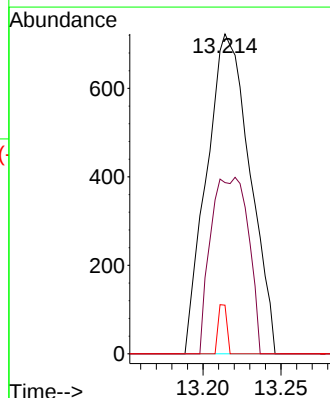
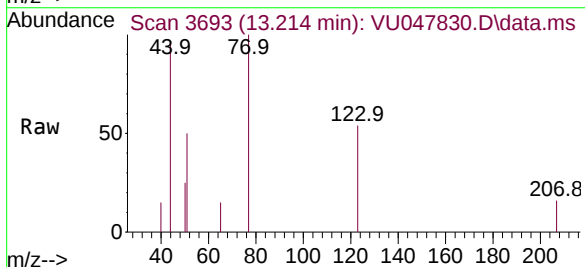
Tgt Ion: 77 Resp: 1391

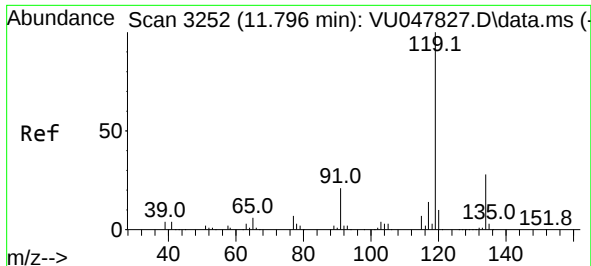
Ion Ratio Lower Upper

77 100

123 48.0 20.6 73.0

65 3.1 10.4 13.2#

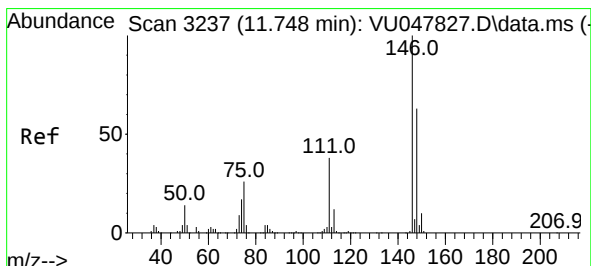
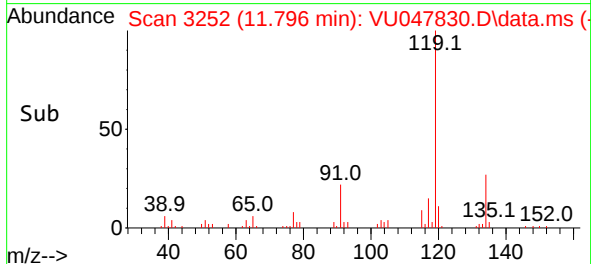
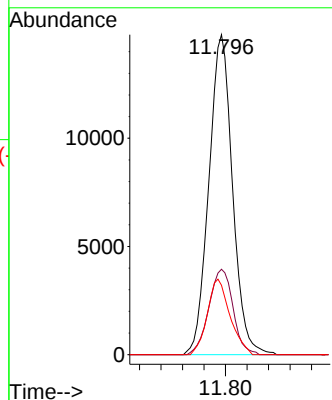
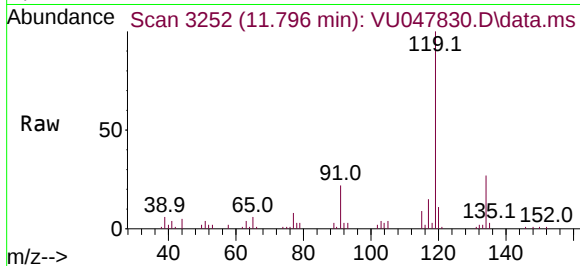




#81  
p-Isopropyltoluene  
Concen: 0.380 ug/l  
RT: 11.796 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

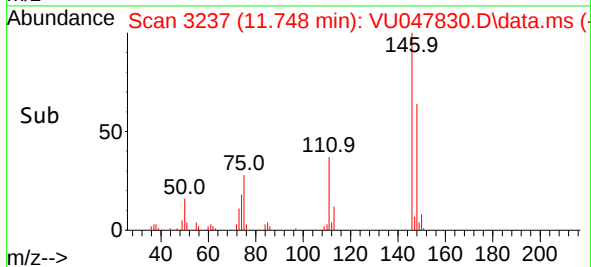
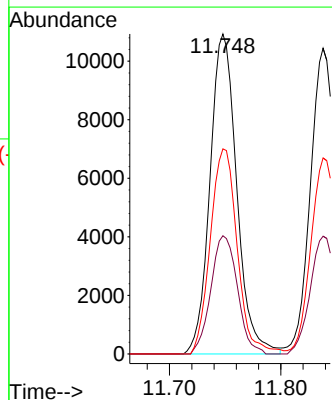
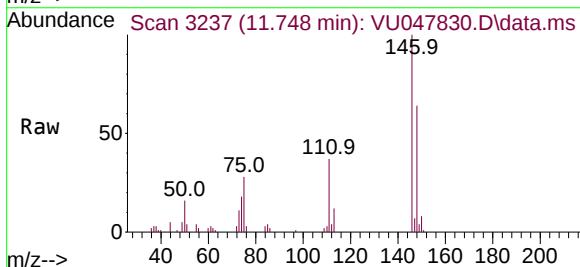
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

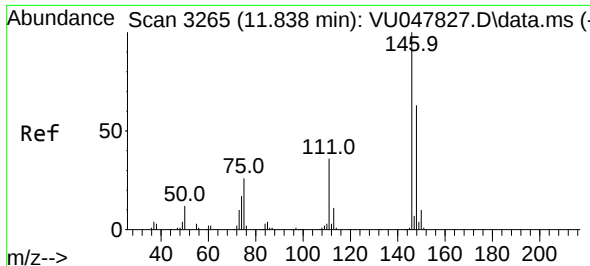
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 22569 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 27.3  | 21.8  | 32.8  |
| 91       | 22.7  | 17.4  | 26.2  |



#82  
1,3-Dichlorobenzene  
Concen: 0.601 ug/l  
RT: 11.748 min Scan# 3237  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 18256 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 36.7  | 30.2  | 45.2  |
| 148      | 64.5  | 50.6  | 76.0  |

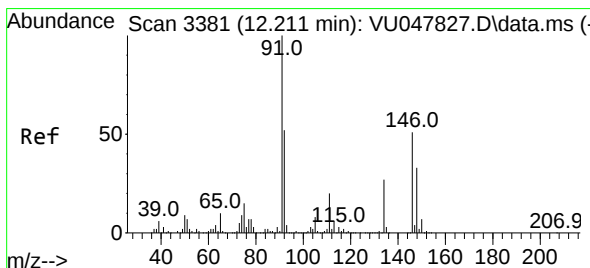
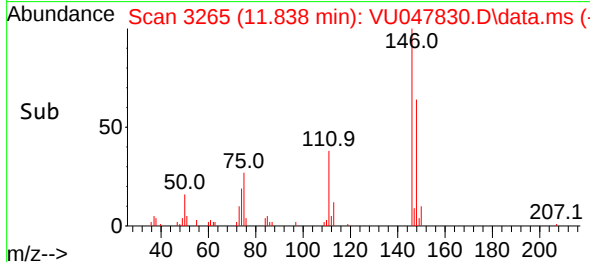
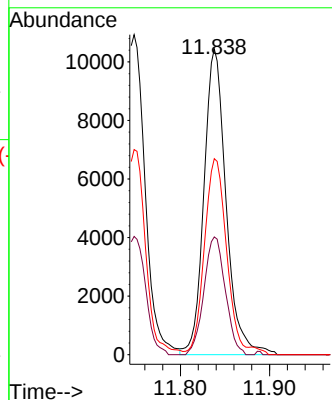
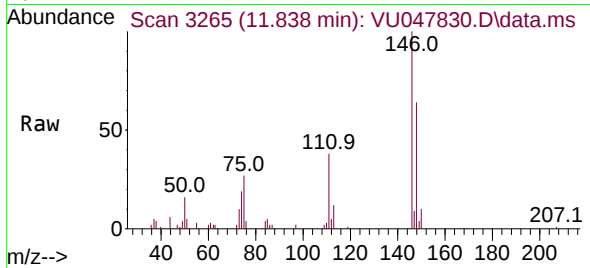




#83  
1,4-Dichlorobenzene  
Concen: 0.598 ug/l  
RT: 11.838 min Scan# 3265  
Delta R.T. -0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

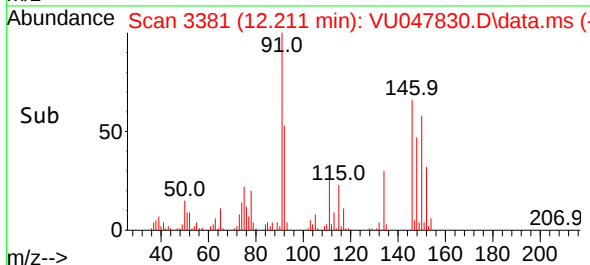
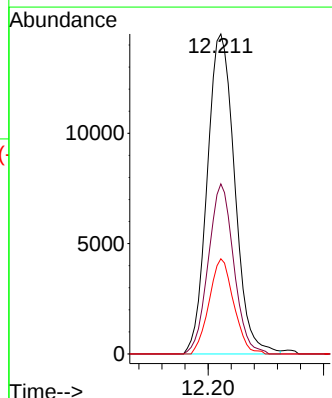
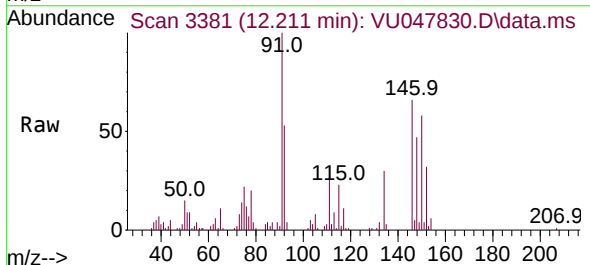
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

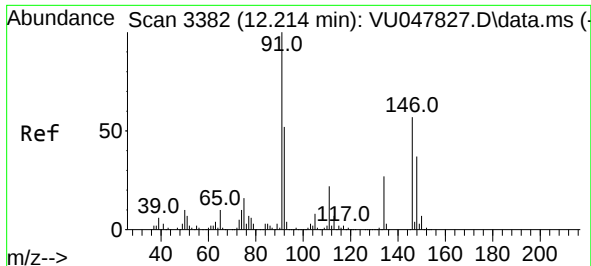
Tgt Ion:146 Resp: 18021  
Ion Ratio Lower Upper  
146 100  
111 37.1 28.7 43.1  
148 65.0 50.8 76.2



#84  
n-Butylbenzene  
Concen: 0.425 ug/l  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.000 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Tgt Ion: 91 Resp: 23893  
Ion Ratio Lower Upper  
91 100  
92 49.3 41.8 62.6  
134 26.7 21.4 32.2

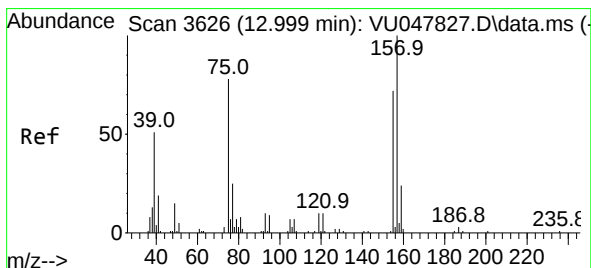
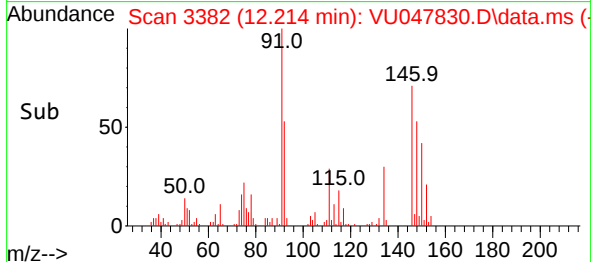
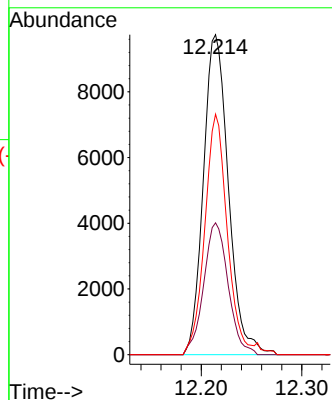
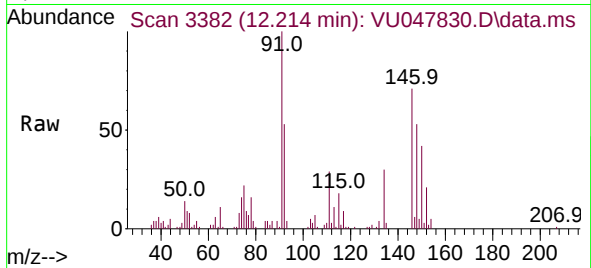




#85  
 1,2-Dichlorobenzene  
 Concen: 0.584 ug/l  
 RT: 12.214 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU047830.D  
 Acq: 06 Apr 2022 14:21

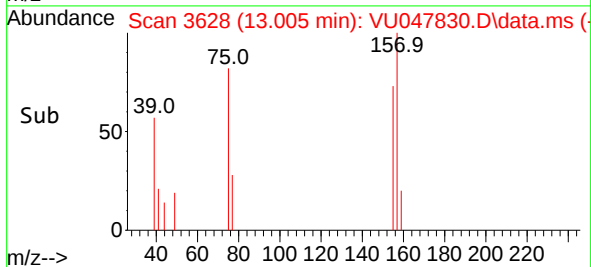
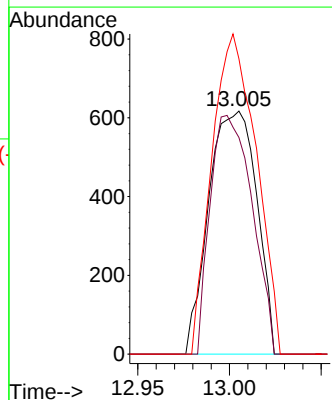
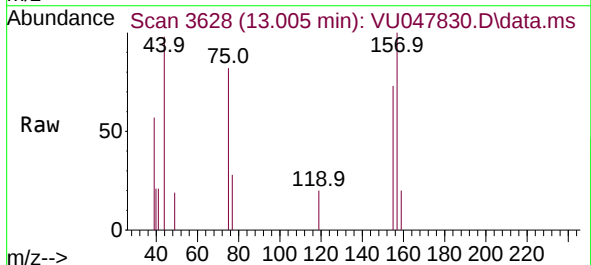
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

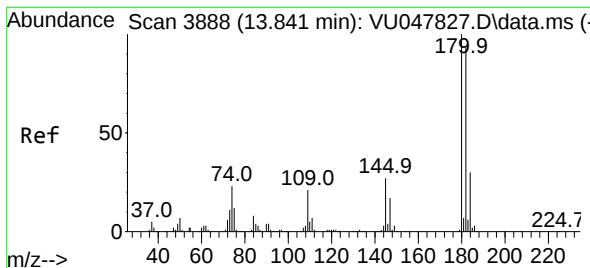
Tgt Ion:146 Resp: 16871  
 Ion Ratio Lower Upper  
 146 100  
 111 40.2 19.4 58.2  
 148 68.6 32.3 96.8



#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.481 ug/l  
 RT: 13.005 min Scan# 3628  
 Delta R.T. 0.006 min  
 Lab File: VU047830.D  
 Acq: 06 Apr 2022 14:21

Tgt Ion: 75 Resp: 1122  
 Ion Ratio Lower Upper  
 75 100  
 155 85.9 76.2 114.2  
 157 122.4 99.1 148.7





#87

1,2,4-Trichlorobenzene

Concen: 0.715 ug/l

RT: 13.844 min Scan# 3888

Delta R.T. 0.003 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

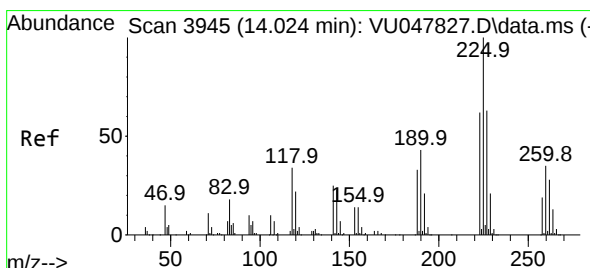
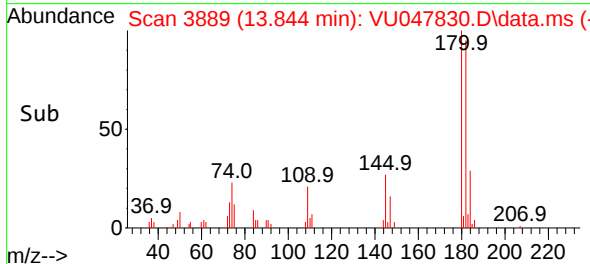
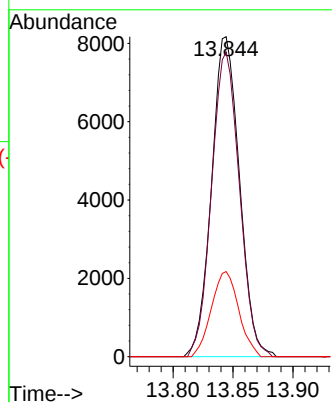
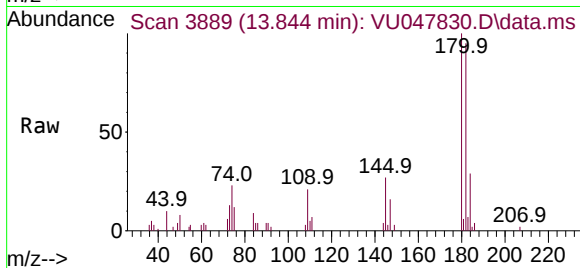
Tgt Ion:180 Resp: 13214

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 26.1 21.7 32.5



#88

Hexachlorobutadiene

Concen: 0.846 ug/l

RT: 14.024 min Scan# 3945

Delta R.T. -0.000 min

Lab File: VU047830.D

Acq: 06 Apr 2022 14:21

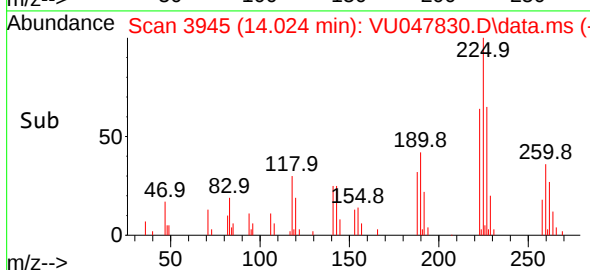
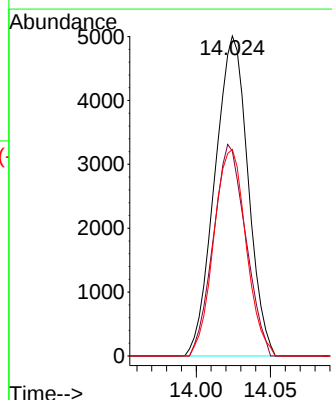
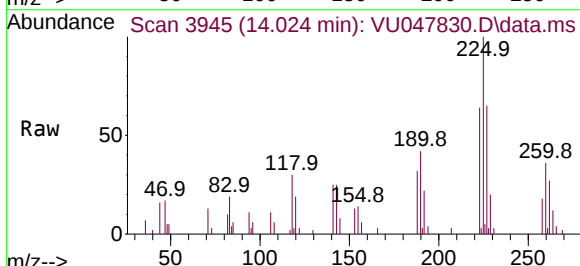
Tgt Ion:225 Resp: 7786

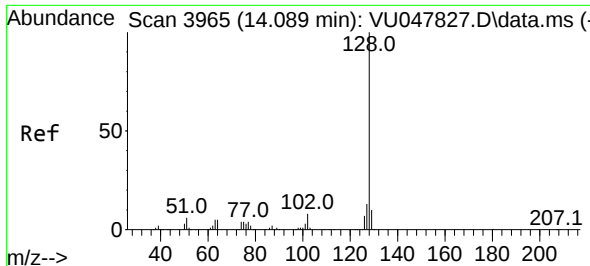
Ion Ratio Lower Upper

225 100

223 64.4 50.0 75.0

227 62.8 51.0 76.6

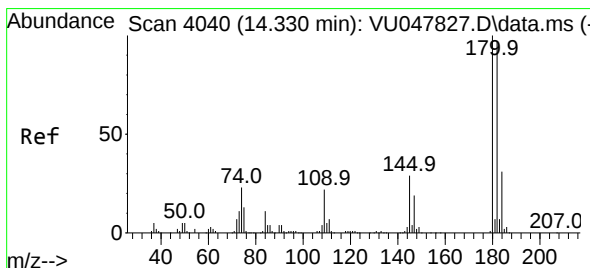
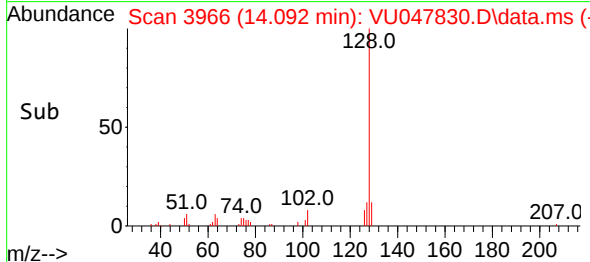
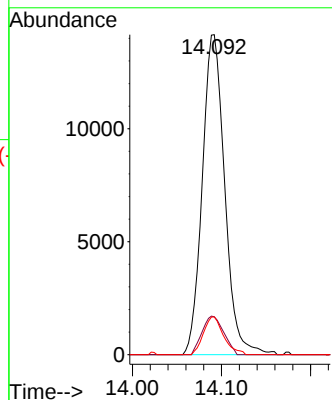
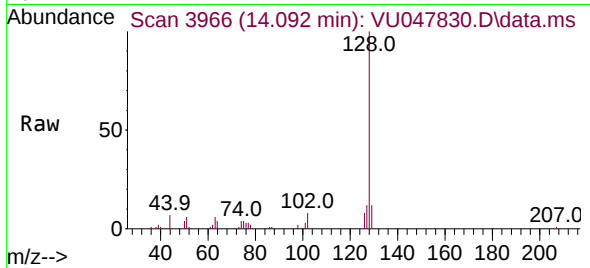




#89  
Naphthalene  
Concen: 0.715 ug/l  
RT: 14.092 min Scan# 3966  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 24791     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 11.6  | 10.2 15.4 |
| 129         | 10.6  | 8.6 12.8  |



#90  
1,2,3-Trichlorobenzene  
Concen: 0.738 ug/l  
RT: 14.333 min Scan# 4041  
Delta R.T. 0.003 min  
Lab File: VU047830.D  
Acq: 06 Apr 2022 14:21

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 12653      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.5  | 77.2 115.8 |
| 145         | 27.4  | 23.3 34.9  |

