

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090921\  
 Data File : VU044613.D  
 Acq On : 09 Sep 2021 14:51  
 Operator : SY/MD  
 Sample : VSTD02025  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 10 01:08:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090921WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 10 01:05:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114  | 159891   | 5.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117  | 158973   | 5.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815 | 152  | 83870    | 5.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65   | 181437   | 14.536  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.915  | 69   | 186961   | 16.903  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65   | 91347    | 16.746  | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 4.636  | 46   | 788484   | 213.552 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.070  | 84   | 411191   | 18.381  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65   | 231601   | 18.513  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.735  | 84   | 818603   | 18.277  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.697  | 67   | 271390   | 18.911  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.906  | 98   | 728597   | 18.366  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79   | 103494   | 20.113  | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.642  | 63   | 651439   | 226.970 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761 | 84   | 232309   | 19.050  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.198 | 152  | 261309   | 18.381  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388  | 85   | 260347   | 16.553  | ug/L  | 100      |
| 3) Chloromethane              | 1.520  | 50   | 302685   | 14.775  | ug/L  | 99       |
| 5) Vinyl chloride             | 1.607  | 62   | 314967   | 16.476  | ug/L  | 98       |
| 6) Bromomethane               | 1.861  | 94   | 159490   | 15.411  | ug/L  | 99       |
| 8) Chloroethane               | 1.935  | 64   | 200498   | 16.955  | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 2.141  | 101  | 361255   | 16.481  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584  | 101  | 219635   | 17.948  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.584  | 96   | 211911   | 17.693  | ug/L  | 94       |
| 13) Acetone                   | 2.645  | 43   | 462342   | 156.634 | ug/L  | 77       |
| 14) Carbon disulfide          | 2.796  | 76   | 674806   | 17.519  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.960  | 43   | 126567   | 27.189  | ug/L  | 92       |
| 16) Methylene chloride        | 3.051  | 84   | 253225   | 13.702  | ug/L  | 98       |
| 17) Methyl tert-butyl Ether   | 3.372  | 73   | 628748   | 20.197  | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96   | 229338   | 18.361  | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.877  | 63   | 456972   | 18.640  | ug/L  | 99       |
| 21) 2-Butanone                | 4.716  | 43   | 876883   | 205.273 | ug/L  | 82       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96   | 257101   | 19.256  | ug/L  | 97       |
| 23) Bromochloromethane        | 4.983  | 128  | 107644   | 18.541  | ug/L  | 94       |
| 25) Chloroform                | 5.095  | 83   | 457325   | 17.949  | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 316998   | 19.026  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.324  | 97   | 371338   | 19.011  | ug/L  | 99       |
| 30) Cyclohexane               | 5.394  | 56   | 437822   | 20.179  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.533  | 117  | 294239   | 18.489  | ug/L  | 100      |
| 33) Benzene                   | 5.780  | 78   | 1006080  | 18.970  | ug/L  | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 249996   | 19.018  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.771  | 83   | 433808   | 19.924  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.796  | 63   | 269213   | 19.304  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.111  | 83   | 330017   | 19.393  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.613  | 75   | 406826   | 20.790  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.800  | 43   | 2094461  | 216.406 | ug/L  | 98       |
| 42) Toluene                   | 7.976  | 91   | 1075530  | 19.390  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.217  | 75   | 353945   | 21.276  | ug/L  | 100      |

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 Operator : SY/MD  
 Sample : VSTD02025  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

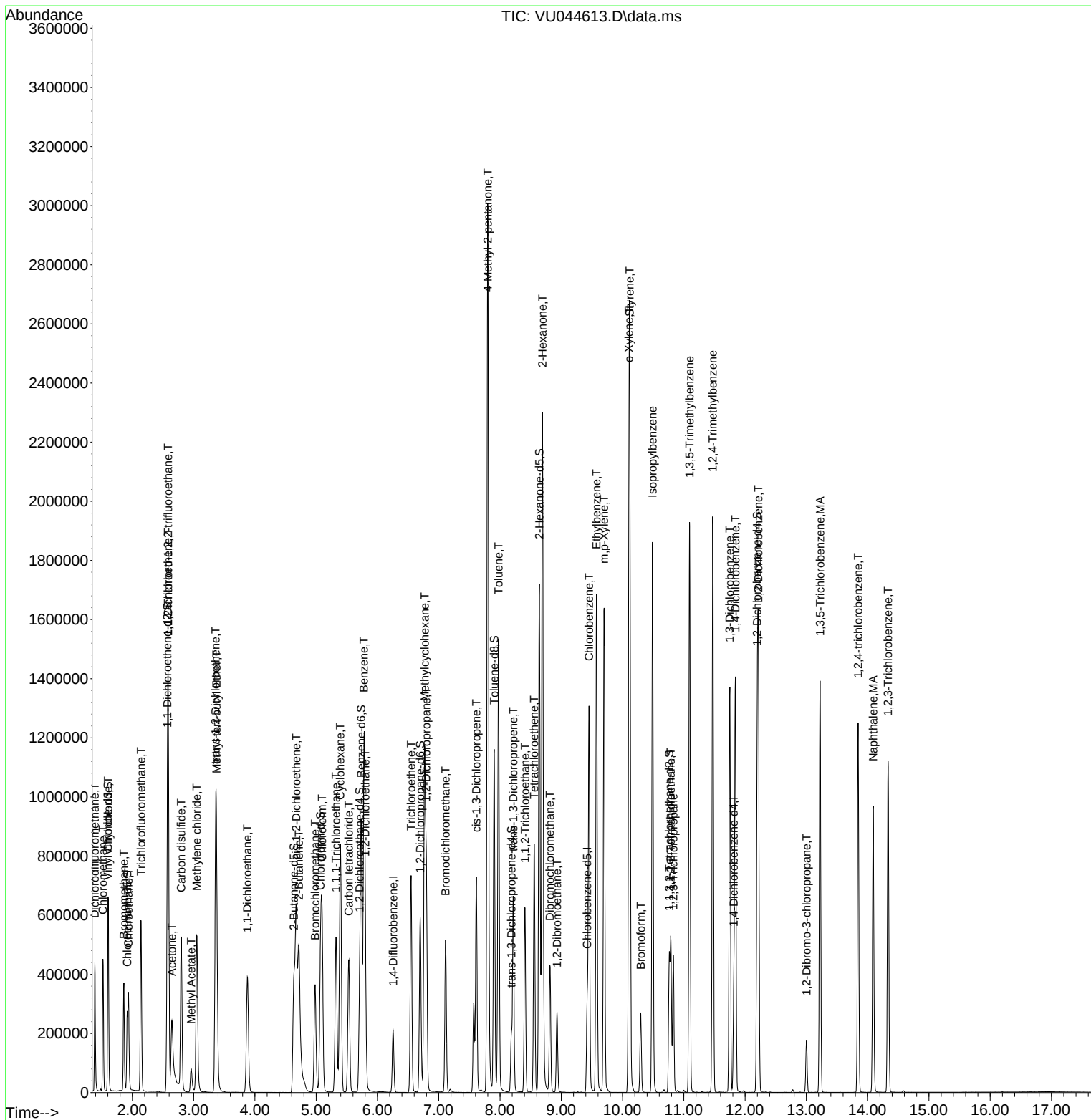
Instrument :  
 MSVOA\_U  
 ClientSampleId :

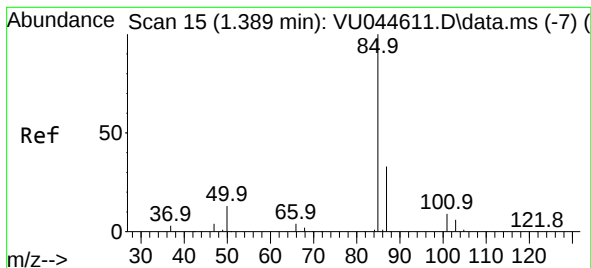
Quant Time: Sep 10 01:08:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090921WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 10 01:05:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 191238   | 19.308  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.558  | 164  | 173026   | 18.974  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.693  | 43   | 1533757  | 219.896 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.816  | 129  | 208783   | 19.974  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 181119   | 19.110  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.452  | 112  | 647467   | 19.097  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.574  | 91   | 1189365  | 20.339  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.700  | 106  | 453143   | 20.571  | ug/L  | 98       |
| 54) o-Xylene                  | 10.105 | 106  | 438765   | 20.586  | ug/L  | 99       |
| 55) Styrene                   | 10.118 | 104  | 775259   | 21.726  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 257515   | 19.753  | ug/L  | 100      |
| 59) Bromoform                 | 10.298 | 173  | 117140   | 20.184  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.491 | 105  | 1171484  | 19.582  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.828 | 75   | 188835   | 18.244  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 1004918  | 20.529  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 1040943  | 20.748  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 516655   | 19.521  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.841 | 146  | 515177   | 19.181  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.217 | 146  | 485590   | 19.270  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 13.002 | 75   | 44165    | 20.574  | ug/L  | 88       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 394850   | 20.933  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.844 | 180  | 349242   | 23.385  | ug/L  | 99       |
| 71) Naphthalene               | 14.092 | 128  | 717432   | 25.392  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 317694   | 23.272  | ug/L  | 100      |

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

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QLast Update : Fri Sep 10 01:05:30 2021  
Response via : Initial Calibration

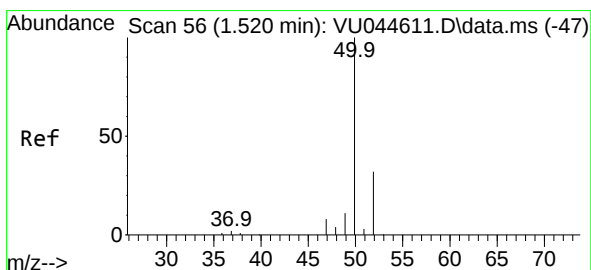
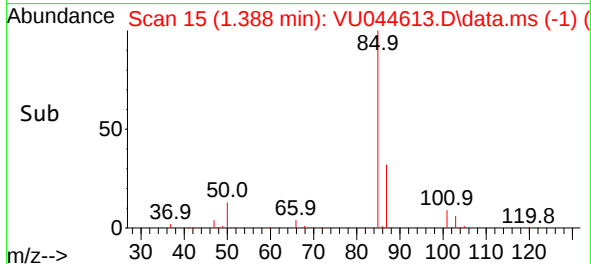
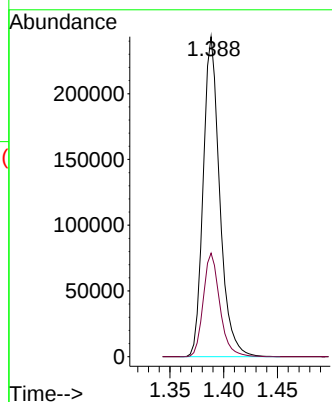
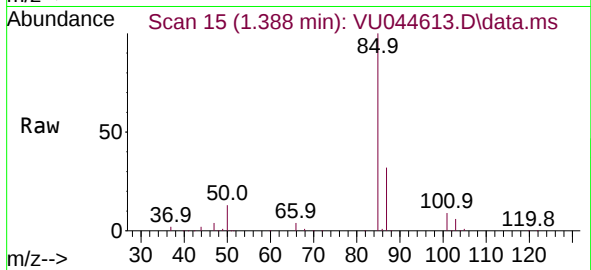




#2  
Dichlorodifluoromethane  
Concen: 16.553 ug/L  
RT: 1.388 min Scan# 15  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

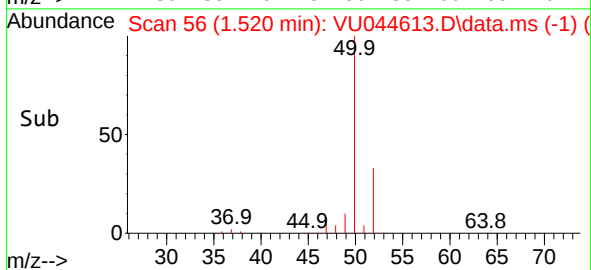
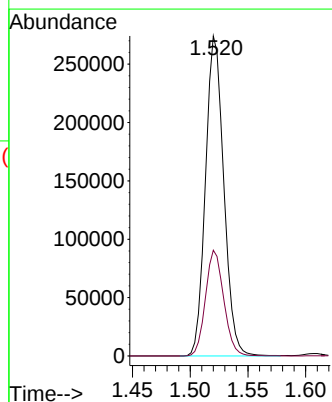
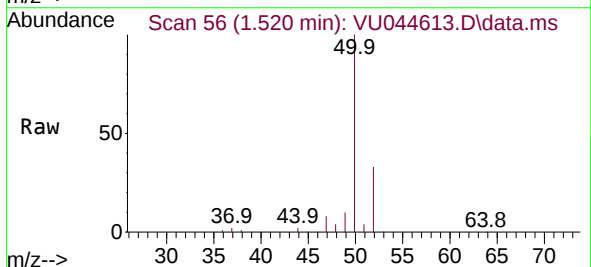
Instrument :  
MSVOA\_U  
ClientSampled :

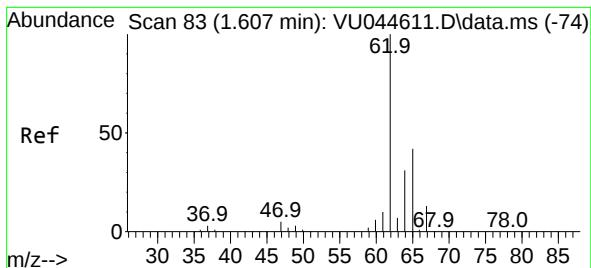
Tgt Ion: 85 Resp: 260347  
Ion Ratio Lower Upper  
85 100  
87 32.3 26.0 39.0



#3  
Chloromethane  
Concen: 14.775 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 50 Resp: 302685  
Ion Ratio Lower Upper  
50 100  
52 33.1 22.6 42.0





#5

Vinyl chloride

Concen: 16.476 ug/L

RT: 1.607 min Scan# 83

Delta R.T. -0.000 min

Lab File: VU044613.D

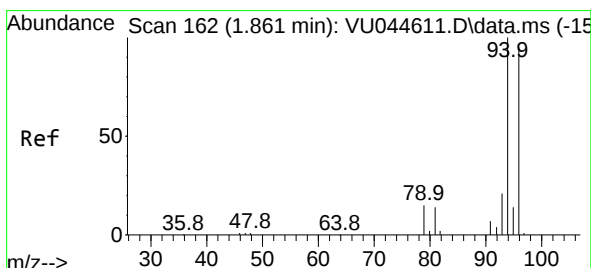
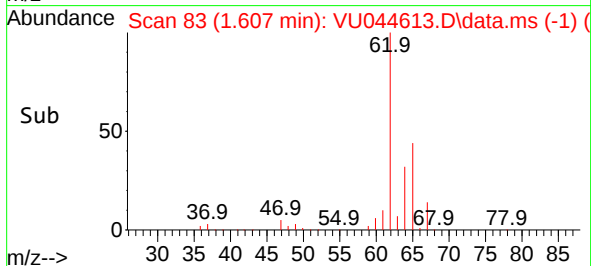
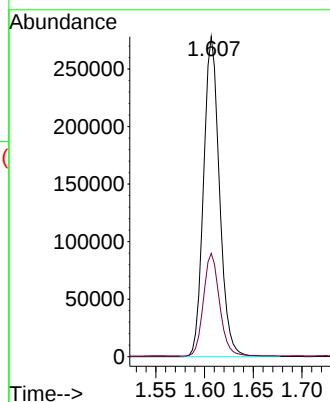
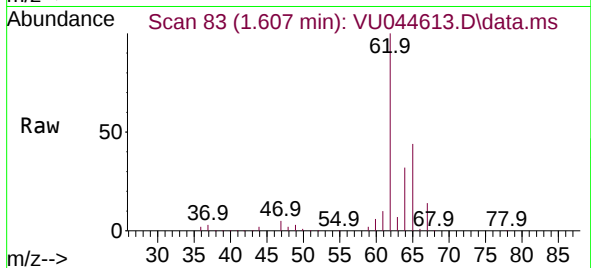
Acq: 09 Sep 2021 14:51

Tgt Ion: 62 Resp: 314967

Ion Ratio Lower Upper

62 100

64 32.3 22.0 40.8



#6

Bromomethane

Concen: 15.411 ug/L

RT: 1.861 min Scan# 162

Delta R.T. -0.000 min

Lab File: VU044613.D

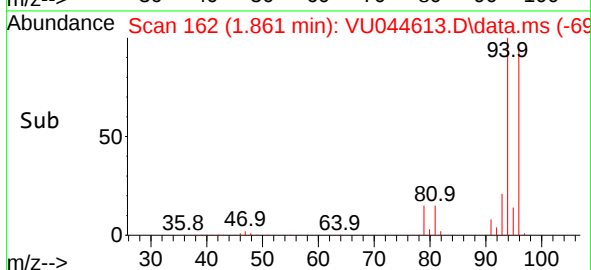
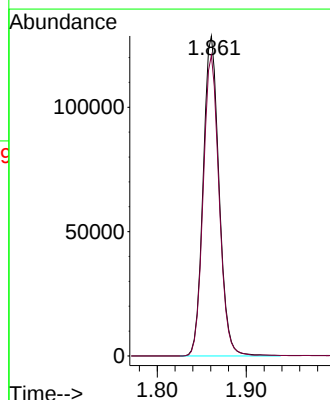
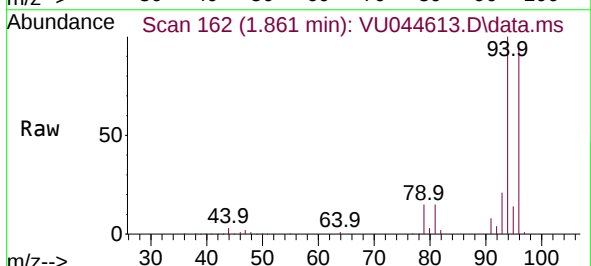
Acq: 09 Sep 2021 14:51

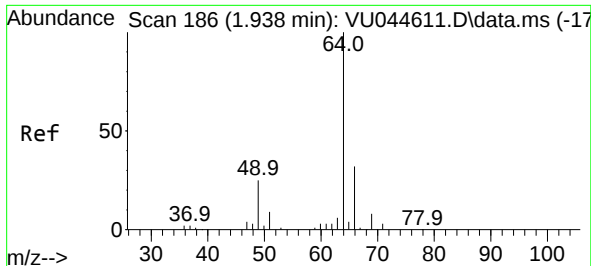
Tgt Ion: 94 Resp: 159490

Ion Ratio Lower Upper

94 100

96 94.0 66.4 123.4

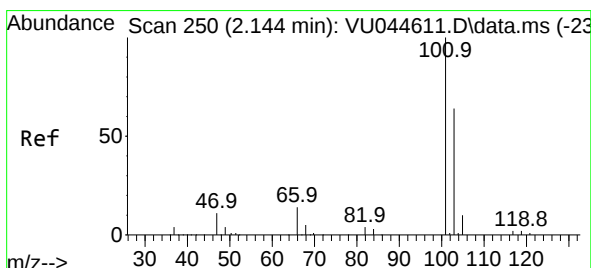
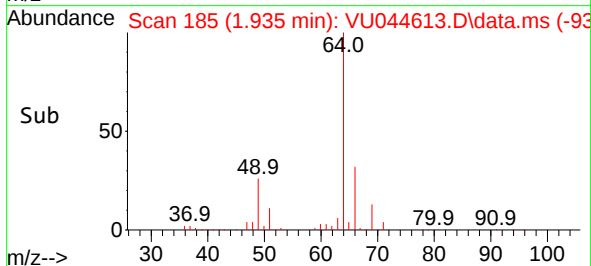
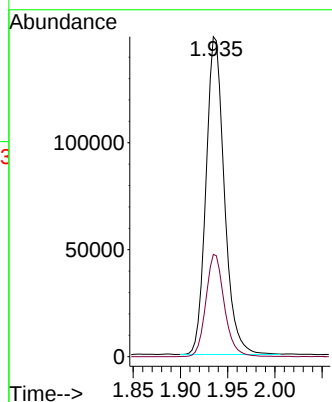
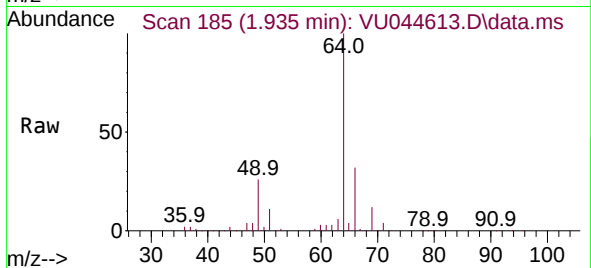




#8  
Chloroethane  
Concen: 16.955 ug/L  
RT: 1.935 min Scan# 185  
Delta R.T. -0.004 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

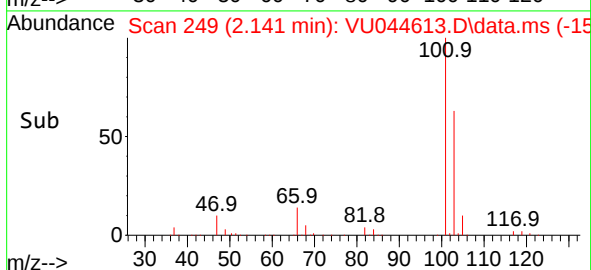
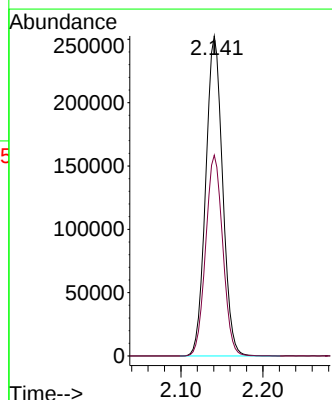
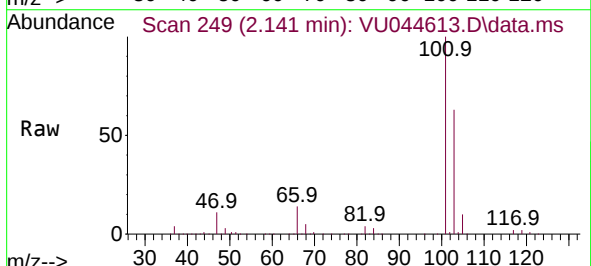
Instrument :  
MSVOA\_U  
ClientSampled :

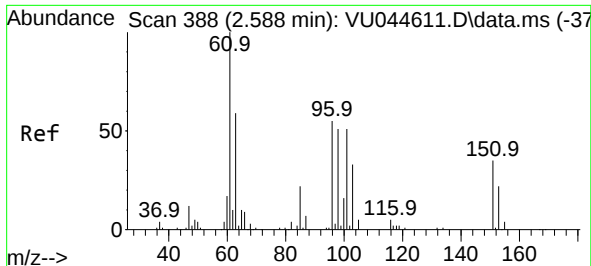
Tgt Ion: 64 Resp: 200498  
Ion Ratio Lower Upper  
64 100  
66 31.9 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 16.481 ug/L  
RT: 2.141 min Scan# 249  
Delta R.T. -0.004 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion:101 Resp: 361255  
Ion Ratio Lower Upper  
101 100  
103 63.6 51.2 76.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 17.948 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.004 min

Lab File: VU044613.D

Acq: 09 Sep 2021 14:51

Tgt Ion:101 Resp: 219635

Ion Ratio Lower Upper

101 100

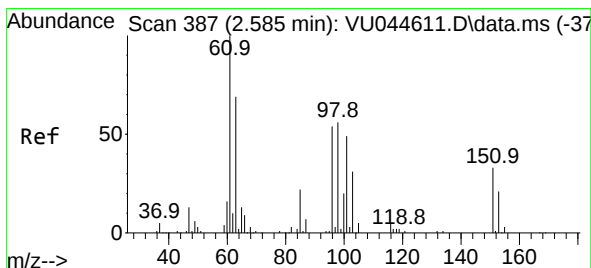
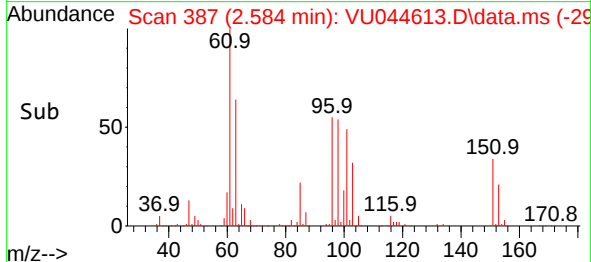
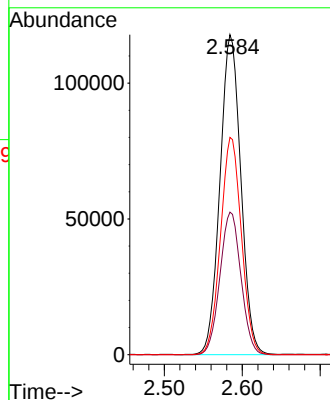
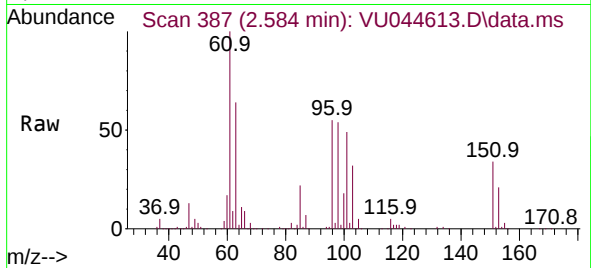
85 44.8 35.4 53.2

151 67.9 53.9 80.9

Instrument :

MSVOA\_U

ClientSampleId :



#12

1,1-Dichloroethene

Concen: 17.693 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.000 min

Lab File: VU044613.D

Acq: 09 Sep 2021 14:51

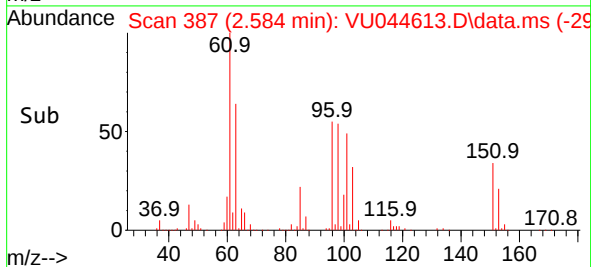
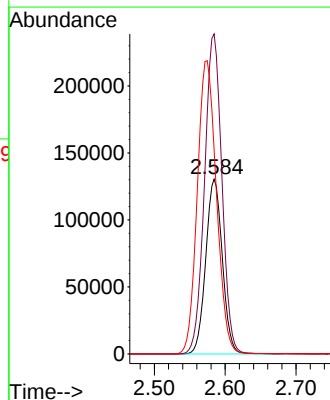
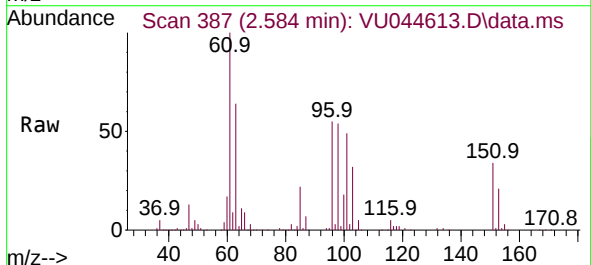
Tgt Ion: 96 Resp: 211911

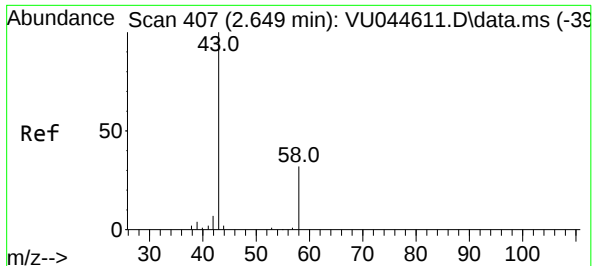
Ion Ratio Lower Upper

96 100

61 182.9 129.3 240.1

63 116.8 91.3 169.5

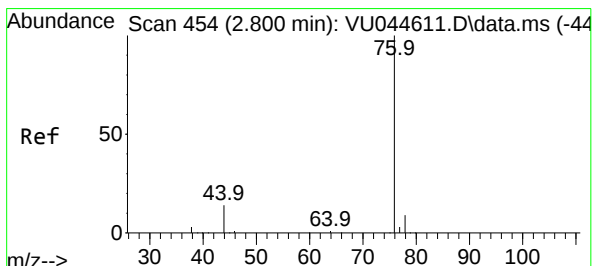
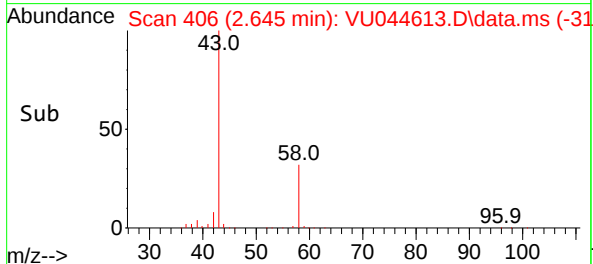
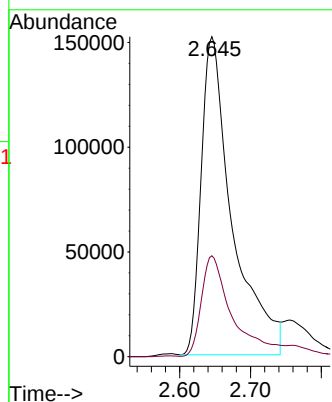
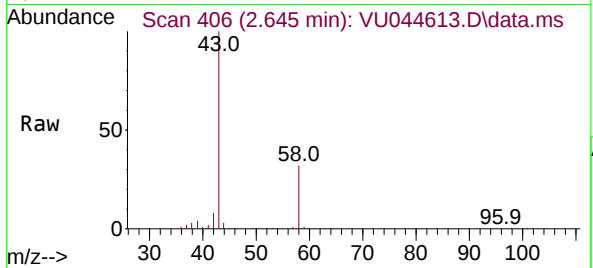




#13  
Acetone  
Concen: 156.634 ug/L  
RT: 2.645 min Scan# 406  
Delta R.T. -0.004 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

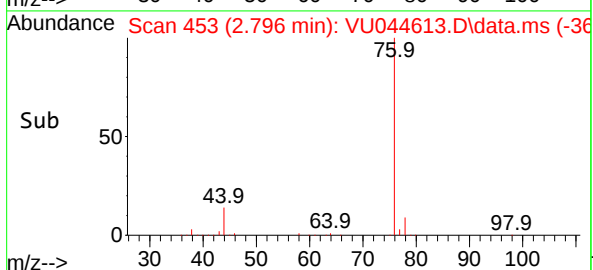
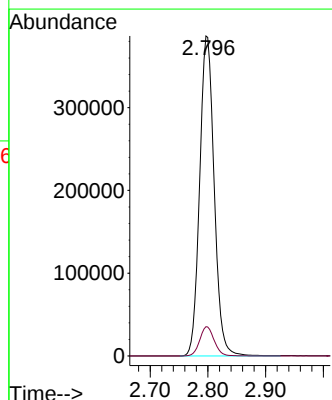
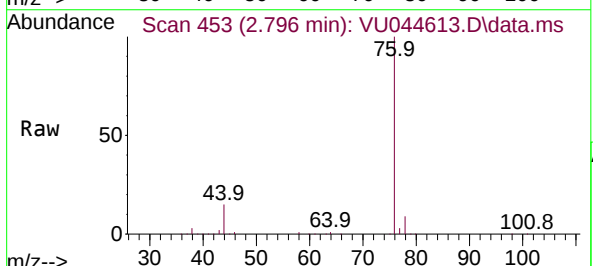
Instrument :  
MSVOA\_U  
ClientSampleId :

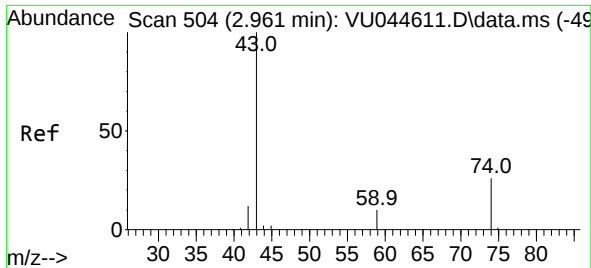
Tgt Ion: 43 Resp: 462342  
Ion Ratio Lower Upper  
43 100  
58 31.9 0.0 42.4



#14  
Carbon disulfide  
Concen: 17.519 ug/L  
RT: 2.796 min Scan# 453  
Delta R.T. -0.004 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 76 Resp: 674806  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.4 11.0

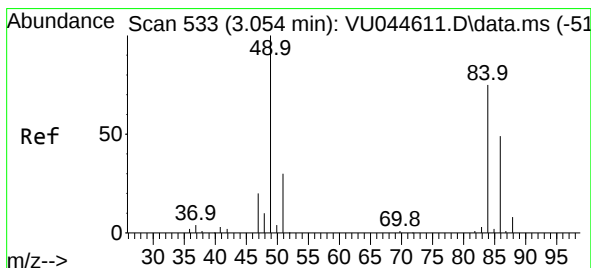
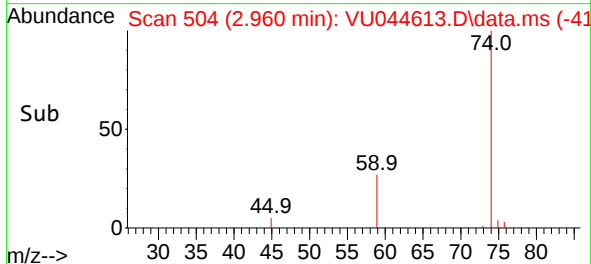
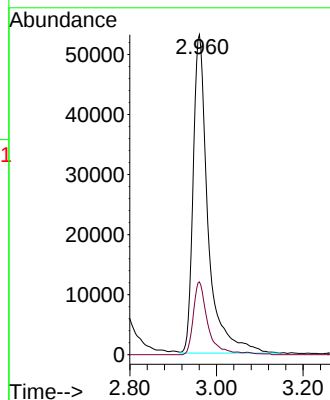
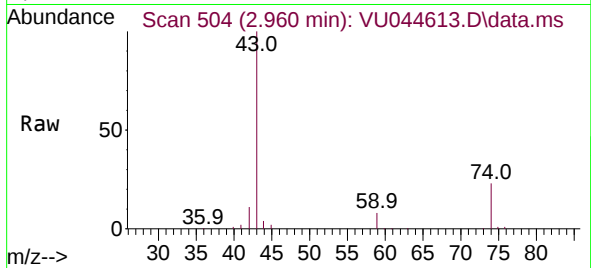




#15  
Methyl Acetate  
Concen: 27.189 ug/L  
RT: 2.960 min Scan# 504  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

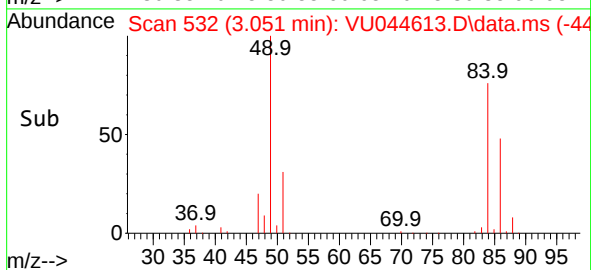
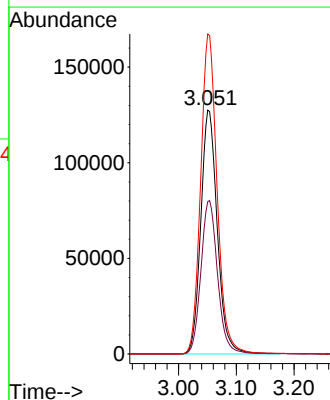
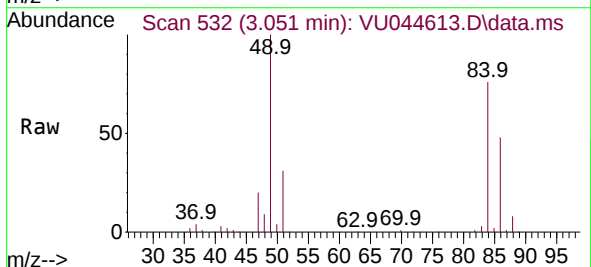
Instrument :  
MSVOA\_U  
ClientSampled :

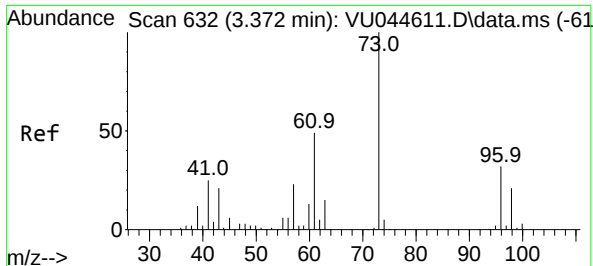
Tgt Ion: 43 Resp: 126567  
Ion Ratio Lower Upper  
43 100  
74 21.7 20.6 30.8



#16  
Methylene chloride  
Concen: 13.702 ug/L  
RT: 3.051 min Scan# 532  
Delta R.T. -0.004 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 84 Resp: 253225  
Ion Ratio Lower Upper  
84 100  
86 62.5 45.8 85.2  
49 131.3 92.9 172.5





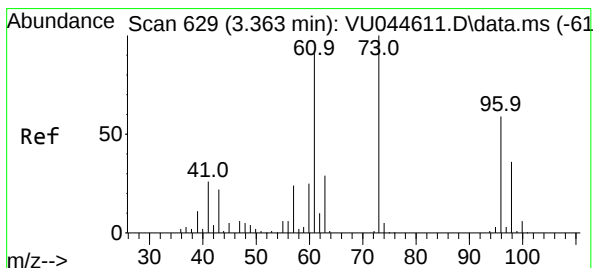
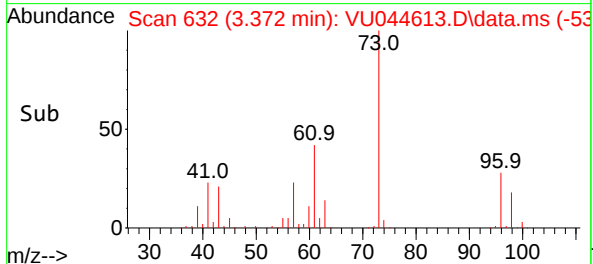
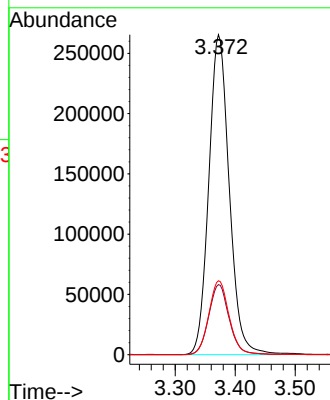
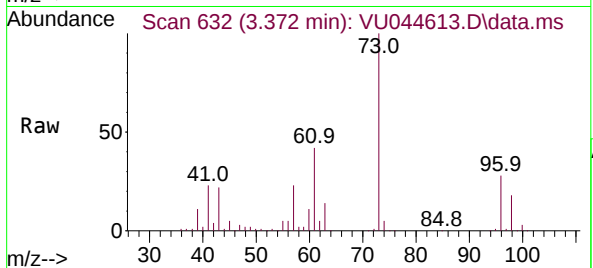
#17

Methyl tert-butyl Ether  
Concen: 20.197 ug/L  
RT: 3.372 min Scan# 632  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 73 Resp: 628748

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 21.8  | 17.8  | 26.6  |
| 57  | 23.0  | 18.6  | 27.8  |

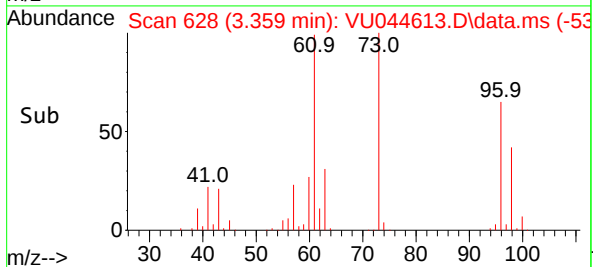
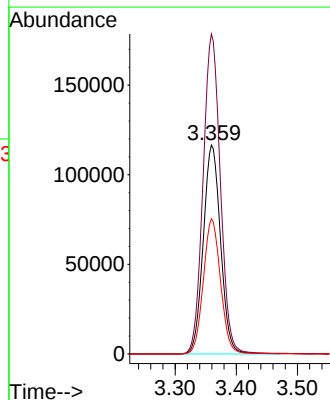
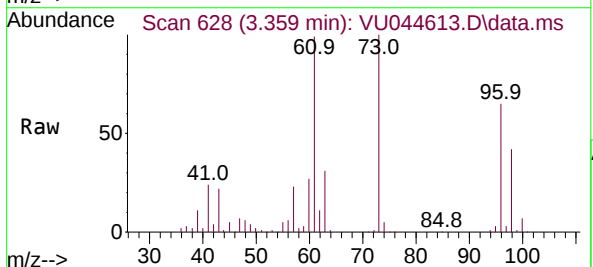


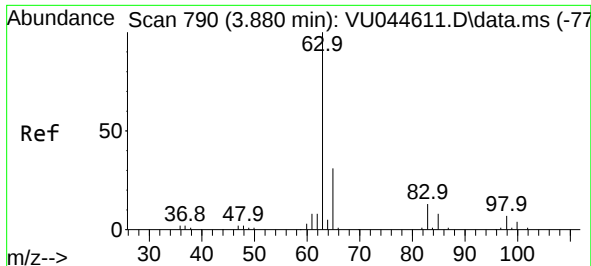
#18

trans-1,2-Dichloroethene  
Concen: 18.361 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. -0.004 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 96 Resp: 229338

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 153.1 | 107.2 | 199.0 |
| 98  | 64.7  | 42.8  | 79.6  |





#19

1,1-Dichloroethane

Concen: 18.640 ug/L

RT: 3.877 min Scan# 789

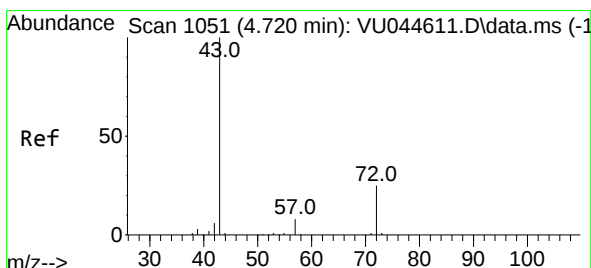
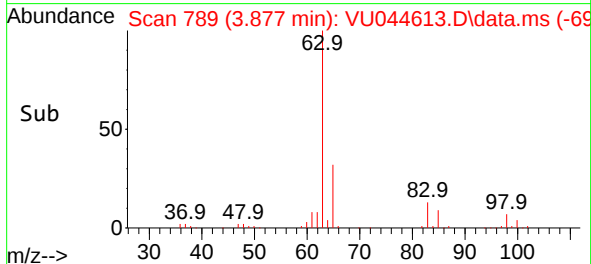
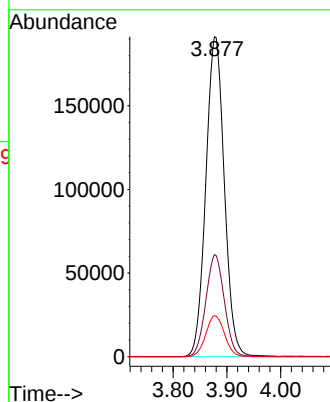
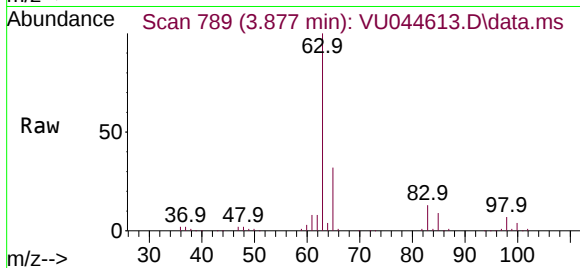
Delta R.T. -0.004 min

Lab File: VU044613.D

Acq: 09 Sep 2021 14:51

Tgt Ion: 63 Resp: 456972

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 31.9  | 21.8  | 40.6  |
| 83  | 12.8  | 8.8   | 16.3  |



#21

2-Butanone

Concen: 205.273 ug/L

RT: 4.716 min Scan# 1050

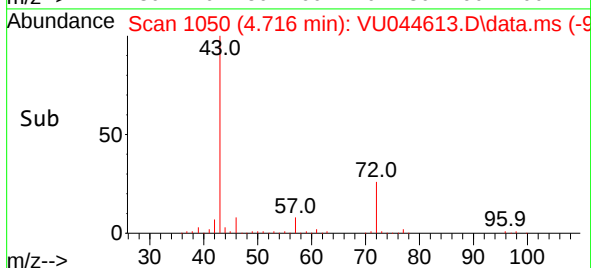
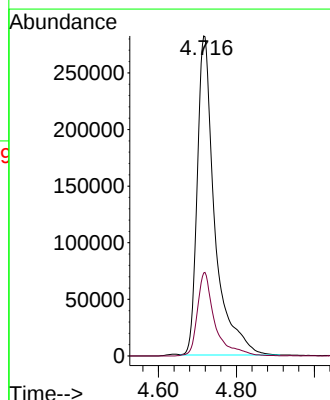
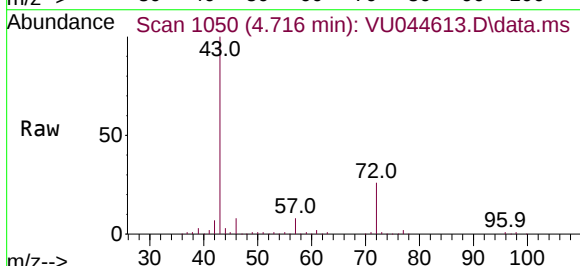
Delta R.T. -0.004 min

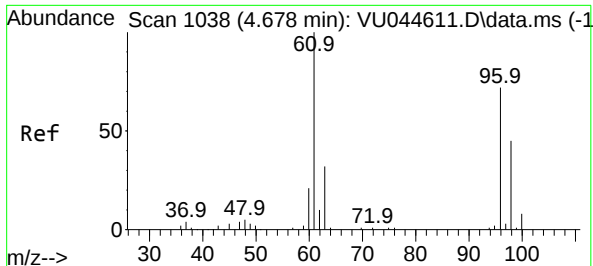
Lab File: VU044613.D

Acq: 09 Sep 2021 14:51

Tgt Ion: 43 Resp: 876883

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 26.2  | 9.2   | 27.4  |





#22

cis-1,2-Dichloroethene

Concen: 19.256 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. -0.004 min

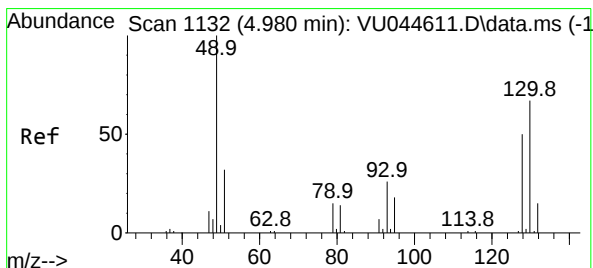
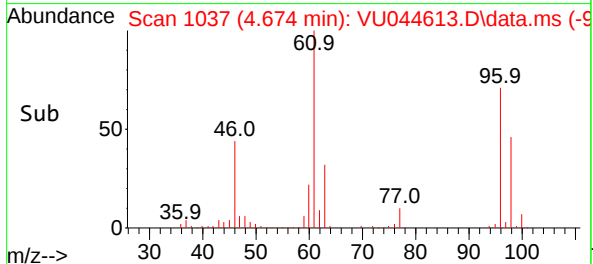
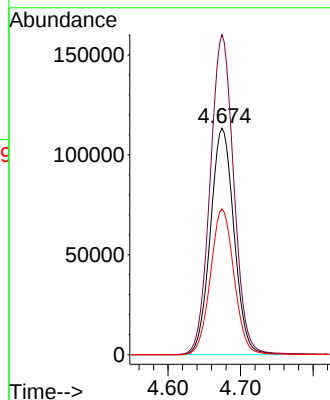
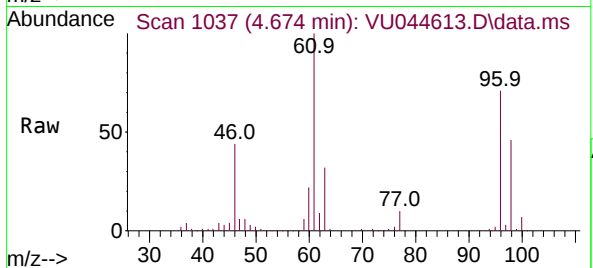
Lab File: VU044613.D

Acq: 09 Sep 2021 14:51

Tgt Ion: 96 Resp: 257101

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 141.3 | 96.9  | 179.9 |
| 98  | 64.4  | 43.5  | 80.7  |

Instrument :  
MSVOA\_U  
ClientSampleId :



#23

Bromochloromethane

Concen: 18.541 ug/L

RT: 4.983 min Scan# 1133

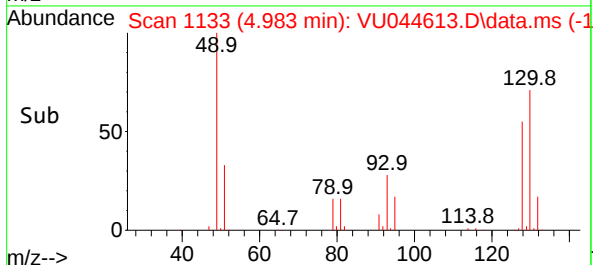
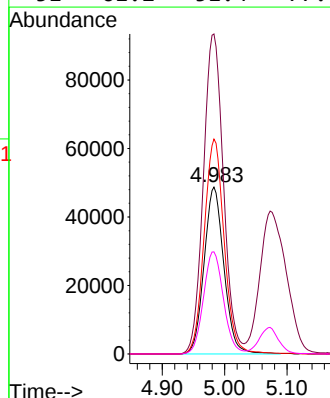
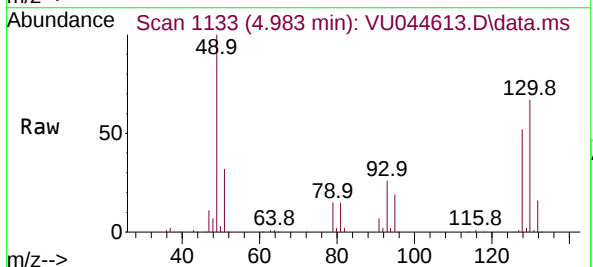
Delta R.T. 0.003 min

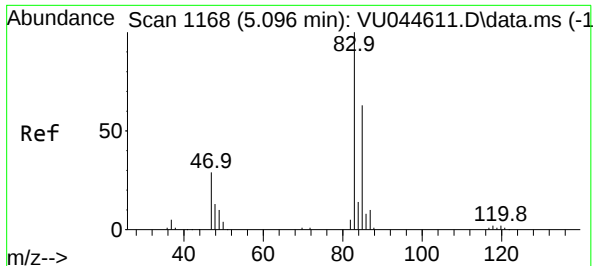
Lab File: VU044613.D

Acq: 09 Sep 2021 14:51

Tgt Ion: 128 Resp: 107644

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 191.8 | 141.4 | 262.6 |
| 130 | 128.8 | 94.3  | 175.1 |
| 51  | 61.2  | 51.4  | 77.0  |



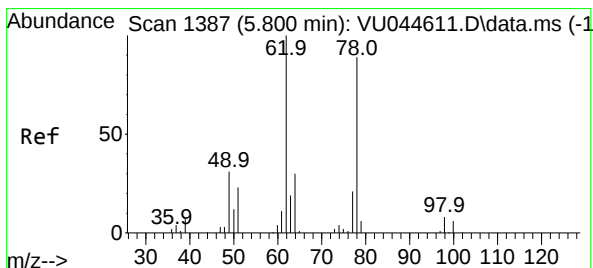
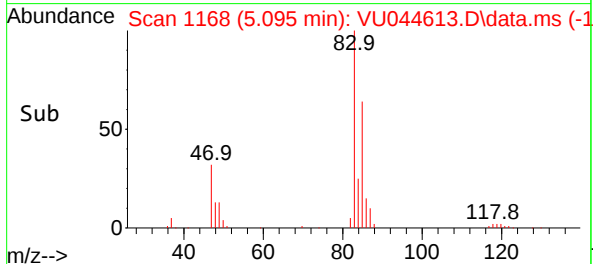
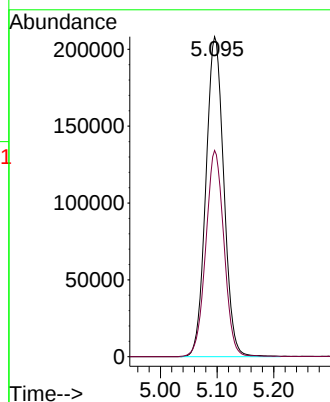
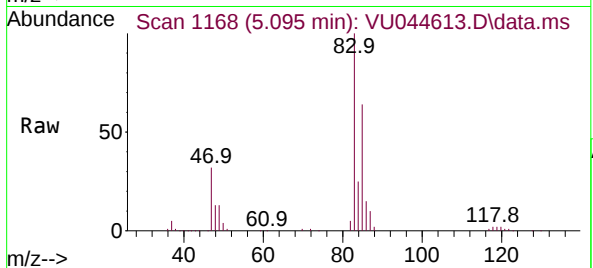


#25

Chloroform  
Concen: 17.949 ug/L  
RT: 5.095 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Instrument :  
MSVOA\_U  
ClientSampleId :

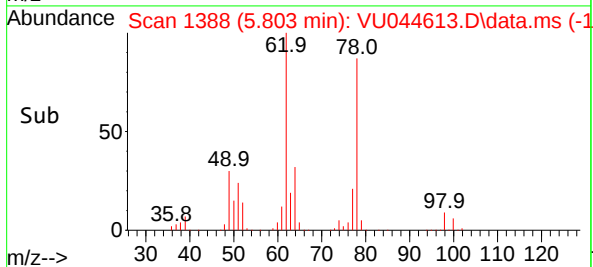
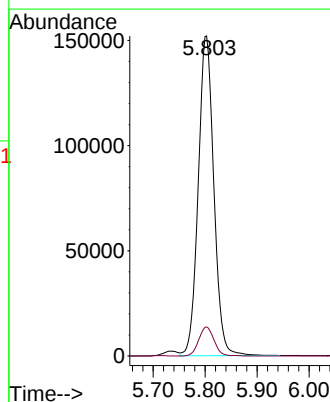
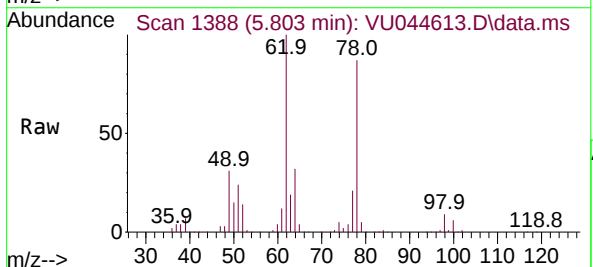
Tgt Ion: 83 Resp: 457325  
Ion Ratio Lower Upper  
83 100  
85 64.5 44.2 82.0

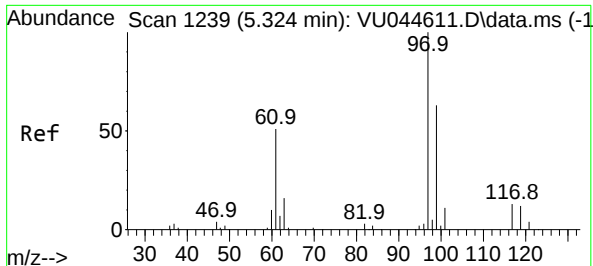


#27

1,2-Dichloroethane  
Concen: 19.026 ug/L  
RT: 5.803 min Scan# 1388  
Delta R.T. 0.003 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 62 Resp: 316998  
Ion Ratio Lower Upper  
62 100  
98 9.1 6.6 10.0



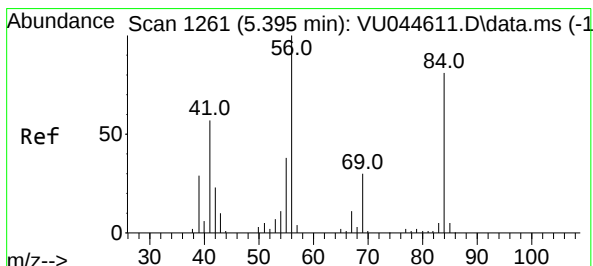
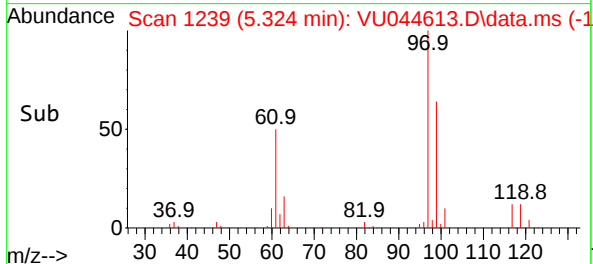
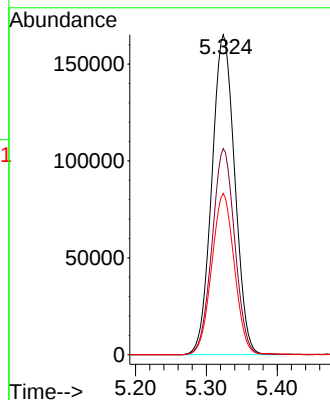
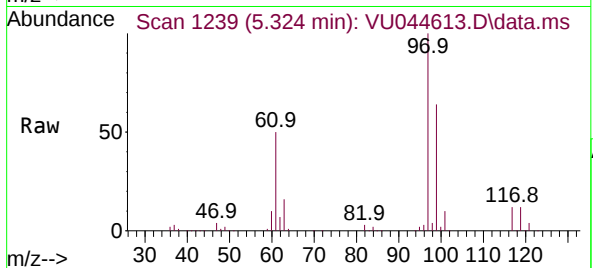


#29

1,1,1-Trichloroethane  
Concen: 19.011 ug/L  
RT: 5.324 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Instrument :  
MSVOA\_U  
ClientSampleId :

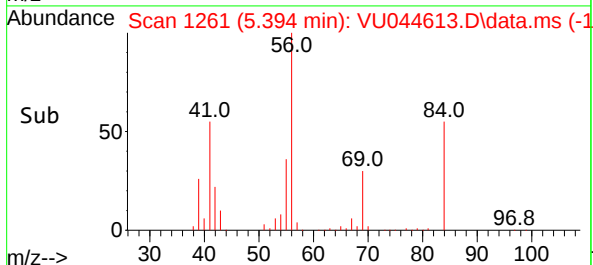
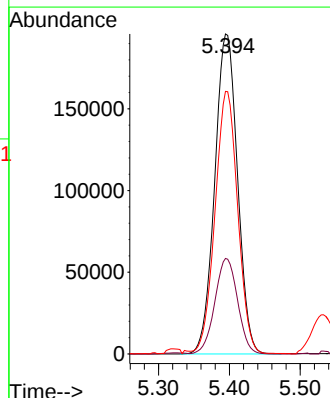
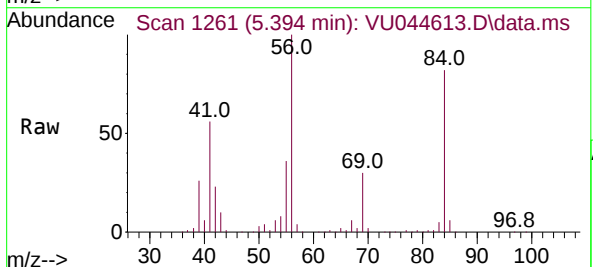
Tgt Ion: 97 Resp: 371338  
Ion Ratio Lower Upper  
97 100  
99 63.7 50.7 76.1  
61 49.7 40.6 60.8

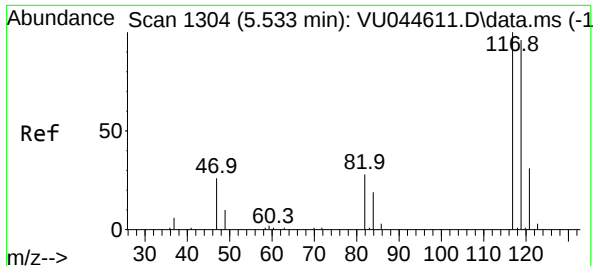


#30

Cyclohexane  
Concen: 20.179 ug/L  
RT: 5.394 min Scan# 1261  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 56 Resp: 437822  
Ion Ratio Lower Upper  
56 100  
69 29.8 23.4 35.2  
84 81.9 65.5 98.3

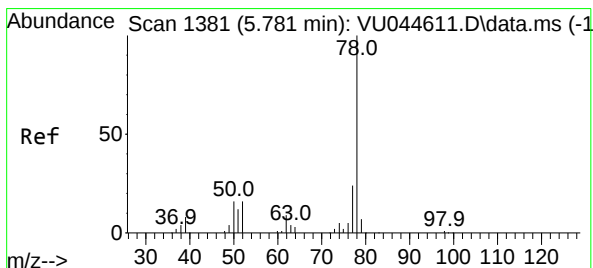
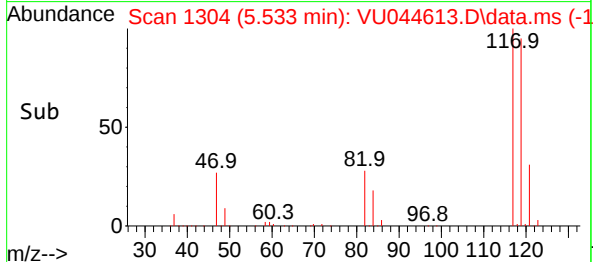
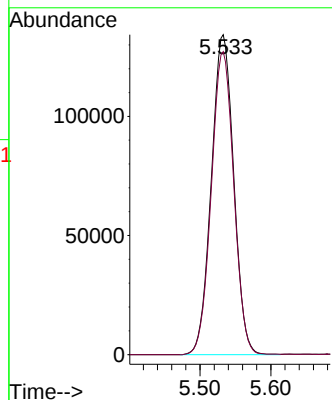
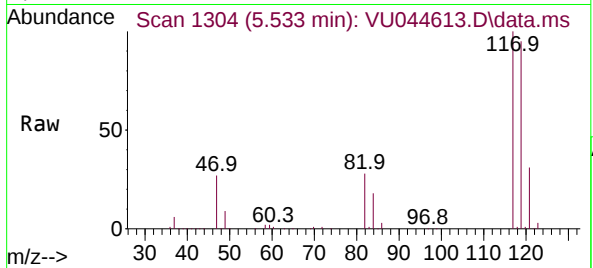




#31  
Carbon tetrachloride  
Concen: 18.489 ug/L  
RT: 5.533 min Scan# 1304  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

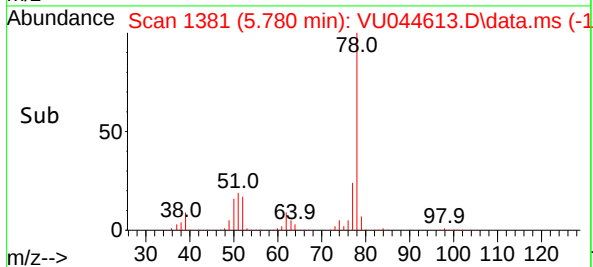
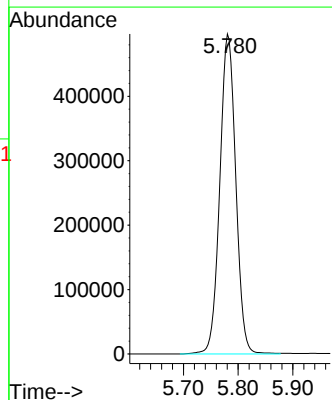
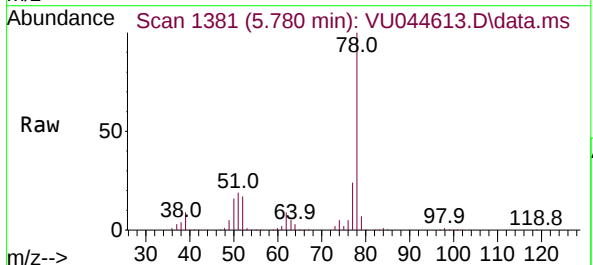
Instrument :  
MSVOA\_U  
ClientSampled :

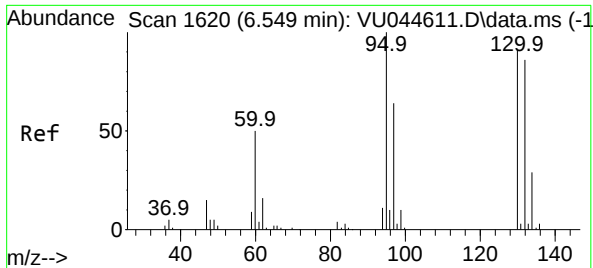
Tgt Ion:117 Resp: 294239  
Ion Ratio Lower Upper  
117 100  
119 95.1 76.4 114.6



#33  
Benzene  
Concen: 18.970 ug/L  
RT: 5.780 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 78 Resp: 1006080

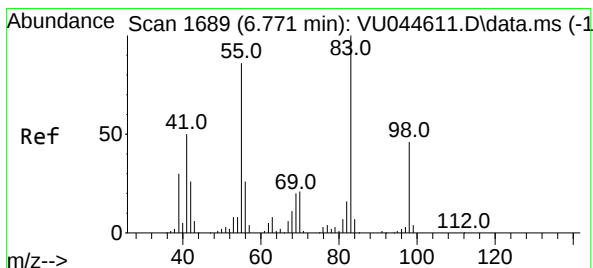
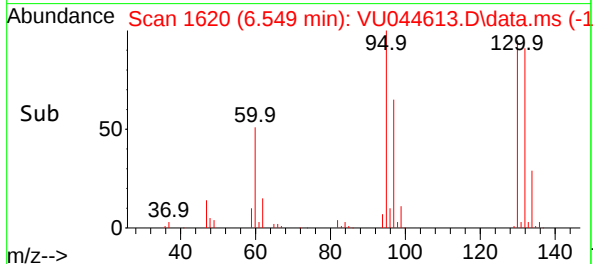
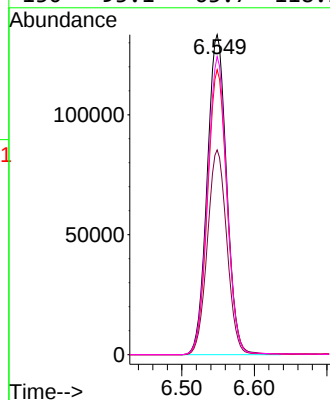
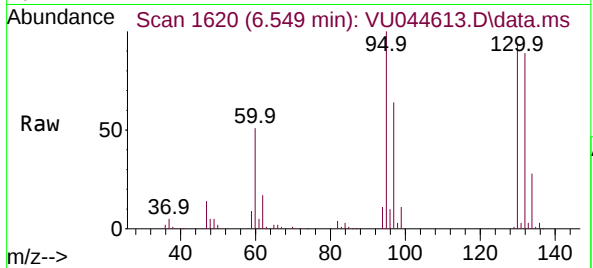




#34  
Trichloroethene  
Concen: 19.018 ug/L  
RT: 6.549 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

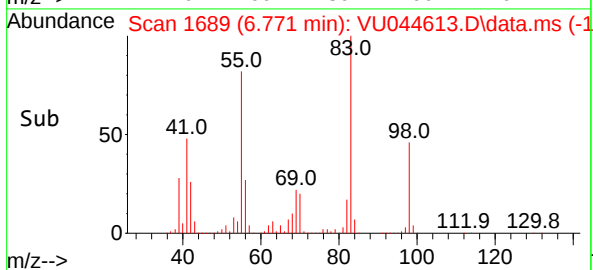
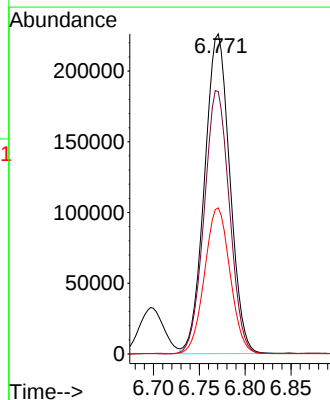
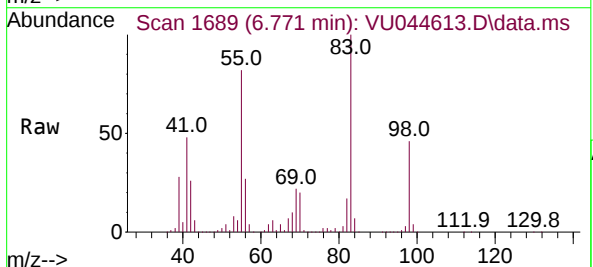
Instrument :  
MSVOA\_U  
ClientSampleId :

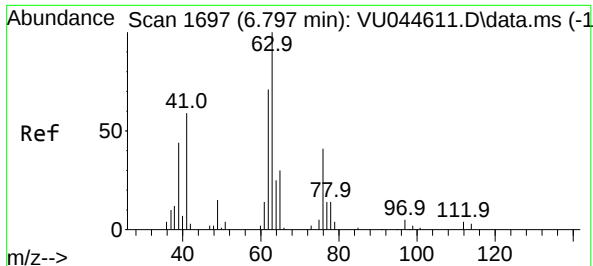
Tgt Ion: 95 Resp: 249996  
Ion Ratio Lower Upper  
95 100  
97 64.0 44.7 82.9  
132 89.0 60.3 111.9  
130 93.1 63.7 118.3



#35  
Methylcyclohexane  
Concen: 19.924 ug/L  
RT: 6.771 min Scan# 1689  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 83 Resp: 433808  
Ion Ratio Lower Upper  
83 100  
55 82.3 68.3 102.5  
98 46.4 37.3 55.9

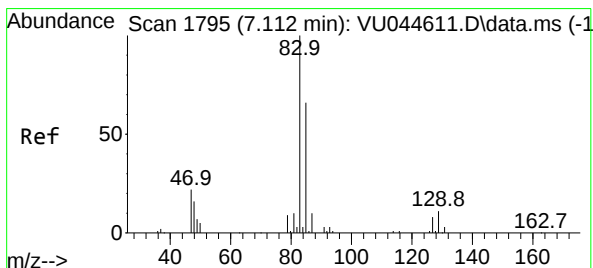
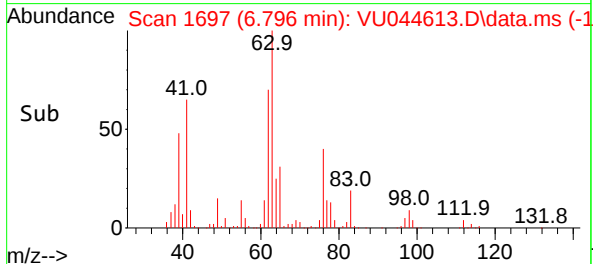
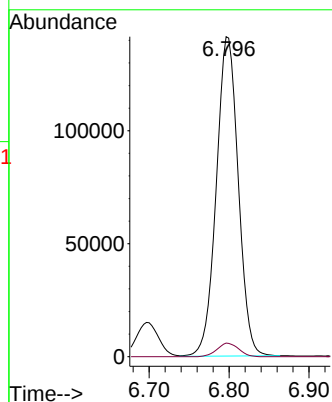
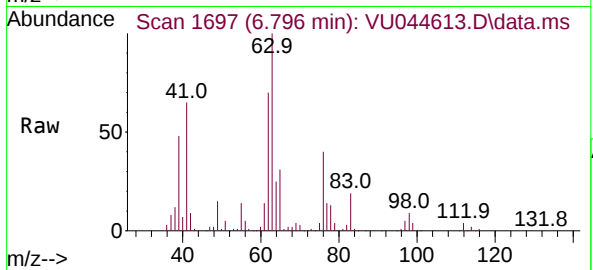




#37  
1,2-Dichloropropane  
Concen: 19.304 ug/L  
RT: 6.796 min Scan# 1697  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

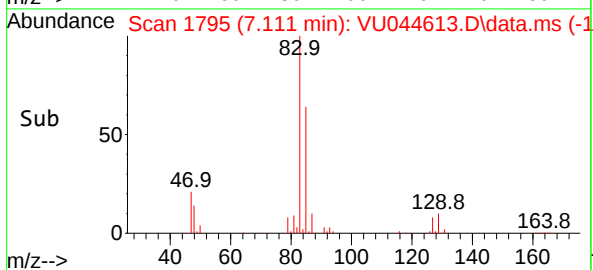
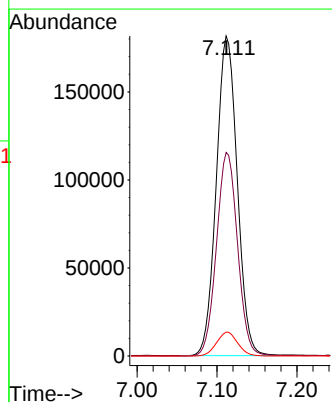
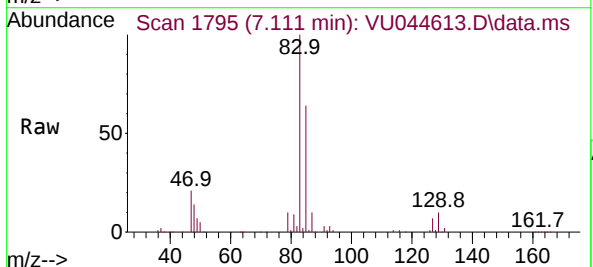
Instrument :  
MSVOA\_U  
ClientSampled :

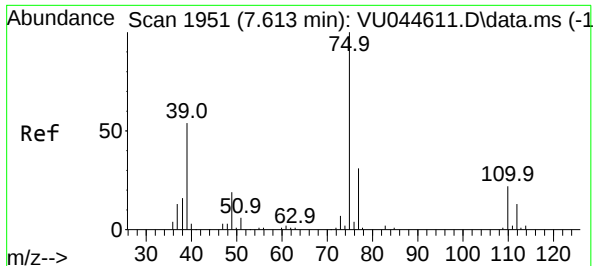
Tgt Ion: 63 Resp: 269213  
Ion Ratio Lower Upper  
63 100  
112 4.2 3.1 4.7



#38  
Bromodichloromethane  
Concen: 19.393 ug/L  
RT: 7.111 min Scan# 1795  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 83 Resp: 330017  
Ion Ratio Lower Upper  
83 100  
85 63.6 46.3 86.1  
127 7.4 6.0 9.0

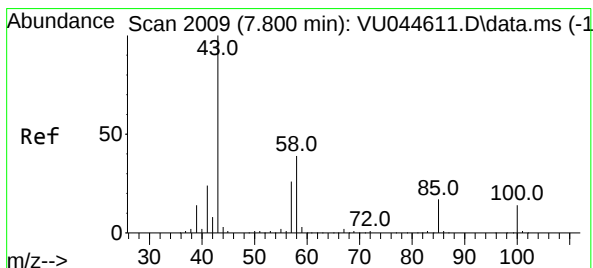
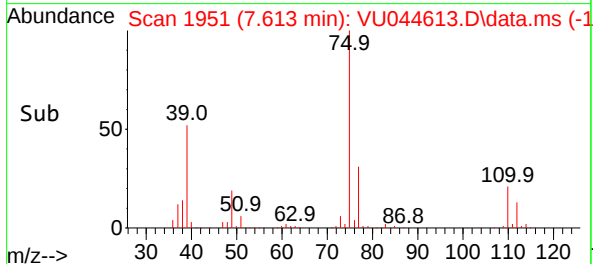
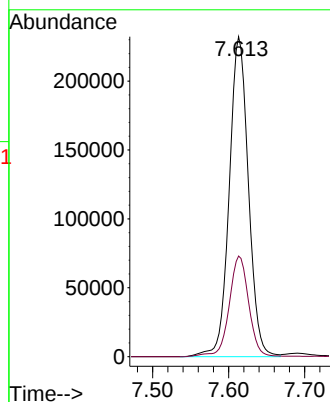
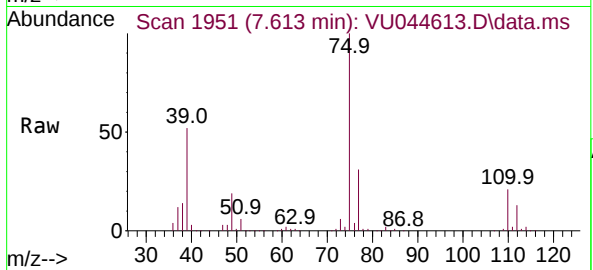




#39  
 cis-1,3-Dichloropropene  
 Concen: 20.790 ug/L  
 RT: 7.613 min Scan# 1951  
 Delta R.T. -0.000 min  
 Lab File: VU044613.D  
 Acq: 09 Sep 2021 14:51

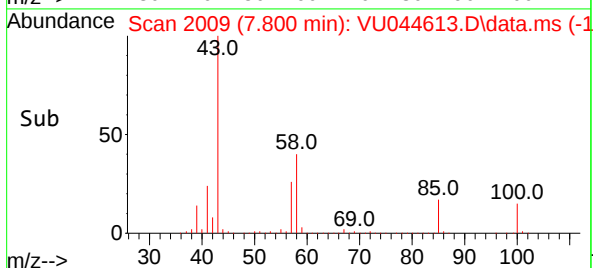
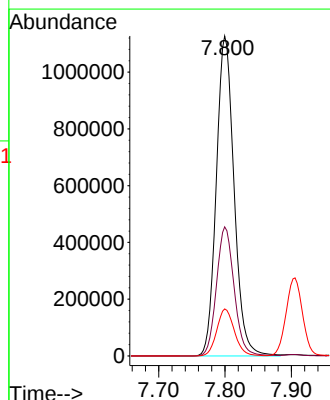
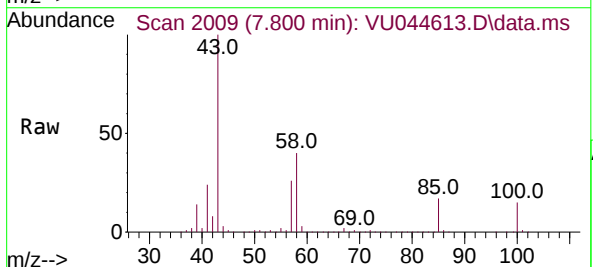
Instrument :  
 MSVOA\_U  
 ClientSampled :

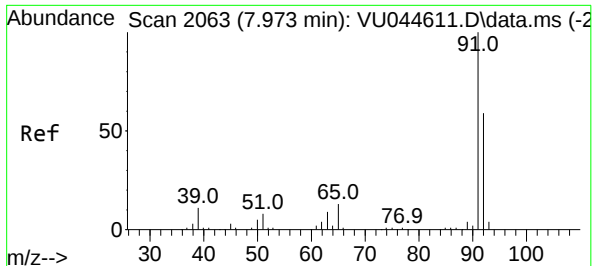
Tgt Ion: 75 Resp: 406826  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 21.5 39.9



#40  
 4-Methyl-2-pentanone  
 Concen: 216.406 ug/L  
 RT: 7.800 min Scan# 2009  
 Delta R.T. -0.000 min  
 Lab File: VU044613.D  
 Acq: 09 Sep 2021 14:51

Tgt Ion: 43 Resp: 2094461  
 Ion Ratio Lower Upper  
 43 100  
 58 40.2 31.2 46.8  
 100 14.6 11.4 17.0

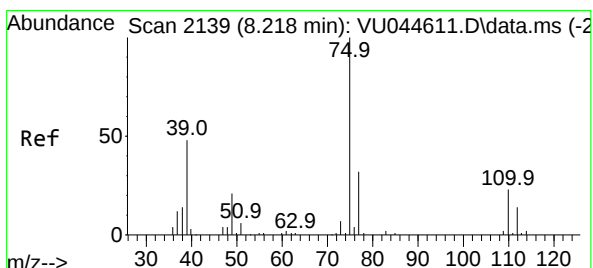
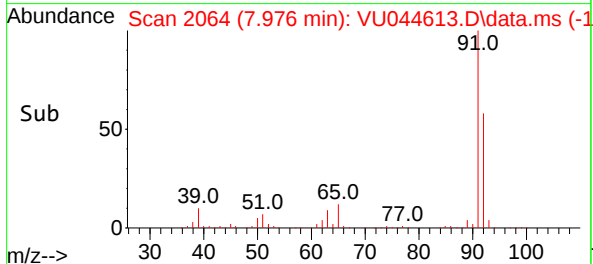
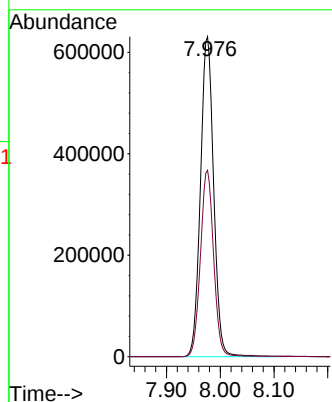
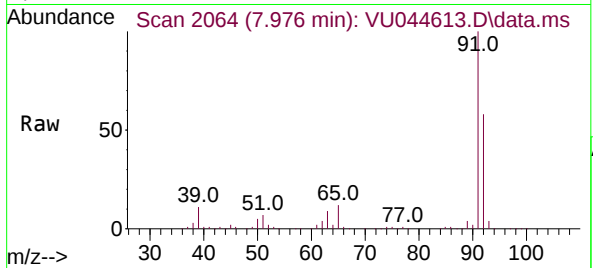




#42  
Toluene  
Concen: 19.390 ug/L  
RT: 7.976 min Scan# 2064  
Delta R.T. 0.003 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

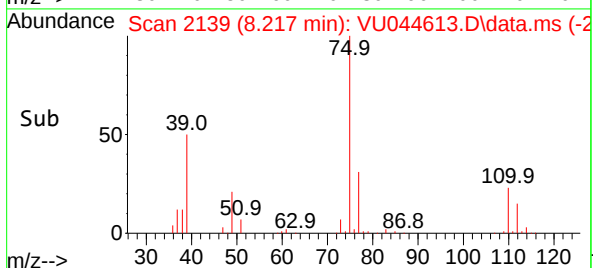
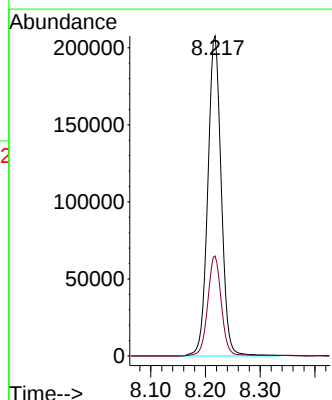
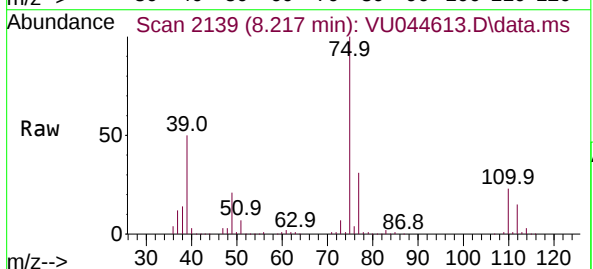
Instrument :  
MSVOA\_U  
ClientSampled :

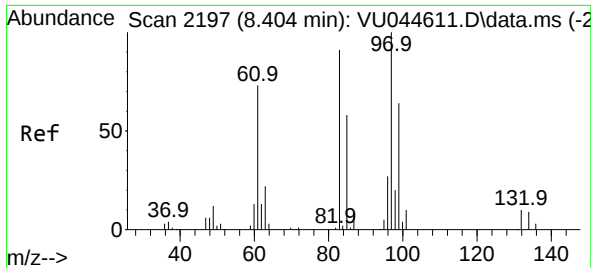
Tgt Ion: 91 Resp: 1075530  
Ion Ratio Lower Upper  
91 100  
92 58.3 41.1 76.3



#44  
trans-1,3-Dichloropropene  
Concen: 21.276 ug/L  
RT: 8.217 min Scan# 2139  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 75 Resp: 353945  
Ion Ratio Lower Upper  
75 100  
77 31.3 22.0 41.0

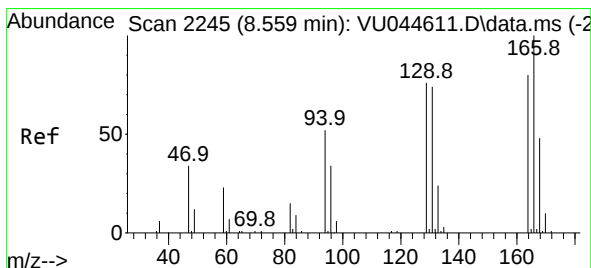
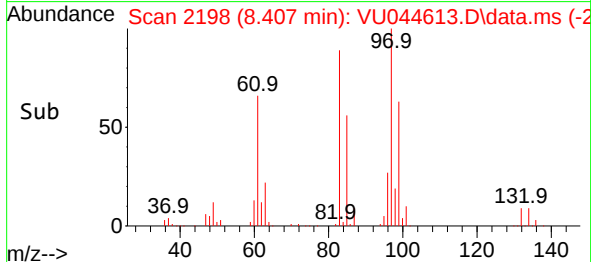
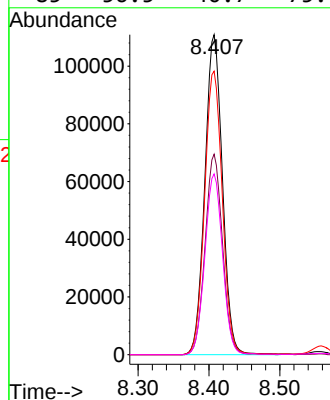
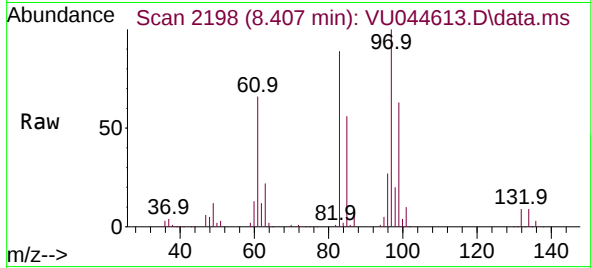




#45  
1,1,2-Trichloroethane  
Concen: 19.308 ug/L  
RT: 8.407 min Scan# 2198  
Delta R.T. 0.003 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

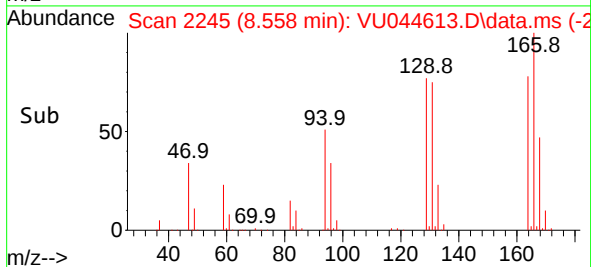
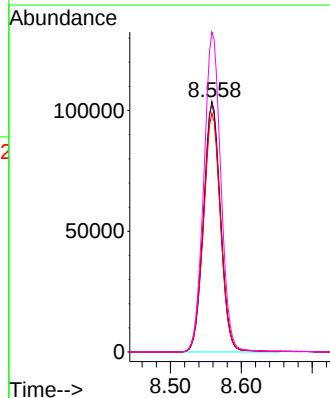
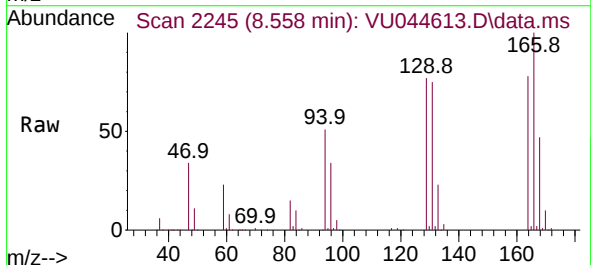
Instrument :  
MSVOA\_U  
ClientSampleId :

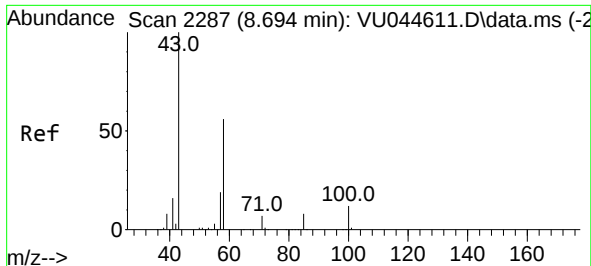
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 191238 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.7  | 44.8  | 83.2   |
| 83       | 88.6  | 63.6  | 118.0  |
| 85       | 56.5  | 40.7  | 75.7   |



#47  
Tetrachloroethene  
Concen: 18.974 ug/L  
RT: 8.558 min Scan# 2245  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 173026 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 99.0  | 67.0  | 124.4  |
| 131      | 95.3  | 65.2  | 121.0  |
| 166      | 127.8 | 87.6  | 162.8  |



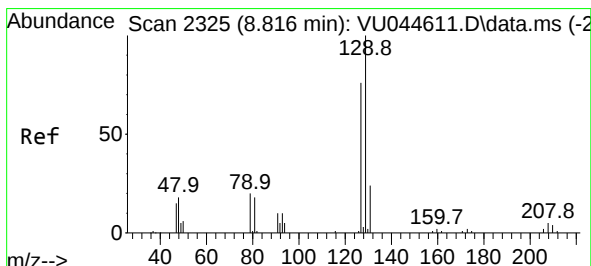
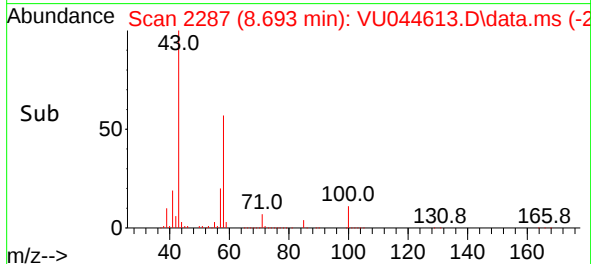
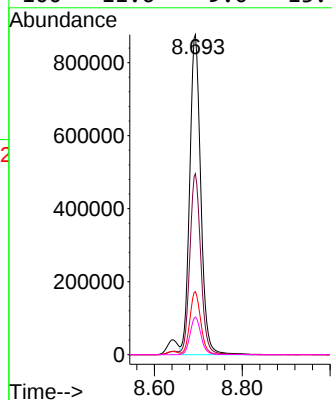
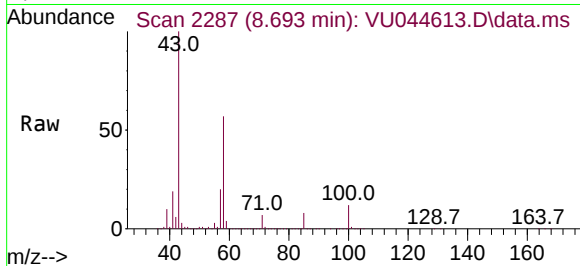


#48  
2-Hexanone  
Concen: 219.896 ug/L  
RT: 8.693 min Scan# 2287  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 43 Resp: 1533757

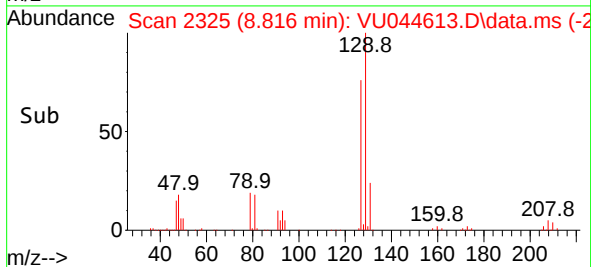
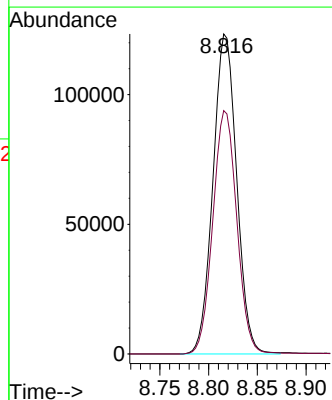
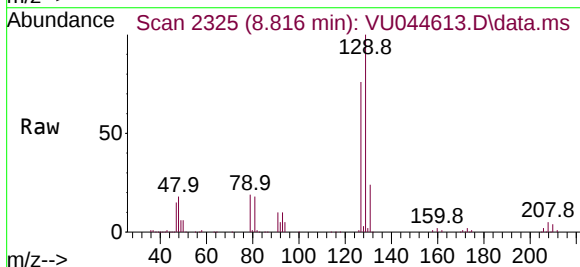
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 56.5  | 44.6  | 66.8  |
| 57  | 19.5  | 14.8  | 22.2  |
| 100 | 11.6  | 9.0   | 13.4  |

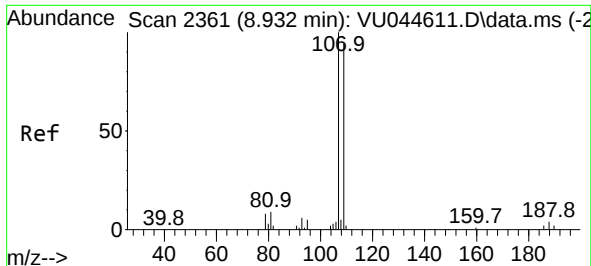


#49  
Dibromochloromethane  
Concen: 19.974 ug/L  
RT: 8.816 min Scan# 2325  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 129 Resp: 208783

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.1  | 53.3  | 99.1  |





#50

1,2-Dibromoethane

Concen: 19.110 ug/L

RT: 8.931 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VU044613.D

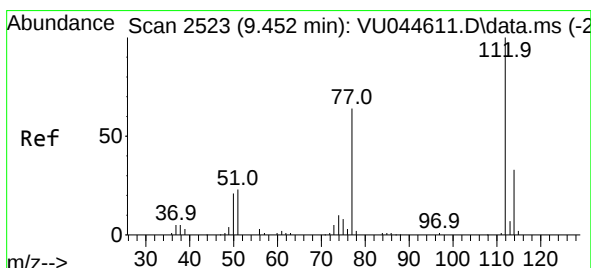
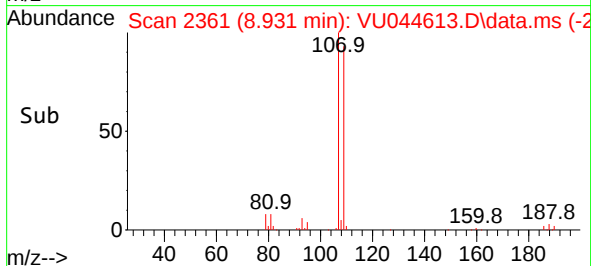
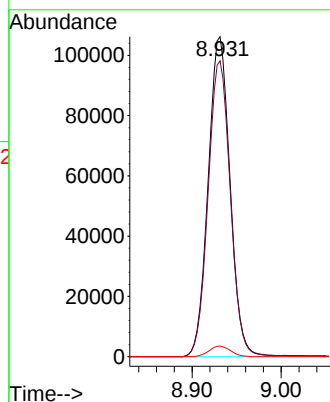
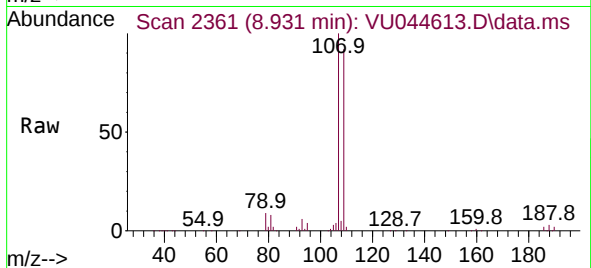
Acq: 09 Sep 2021 14:51

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 181119 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 109      | 92.4  | 65.5  | 121.7  |
| 188      | 3.3   | 3.0   | 4.4    |



#51

Chlorobenzene

Concen: 19.097 ug/L

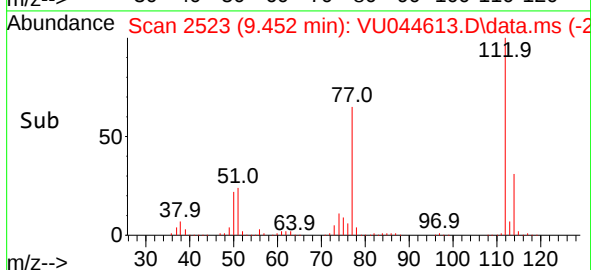
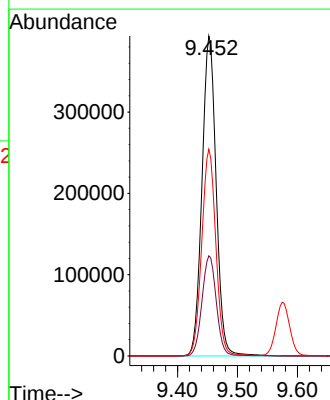
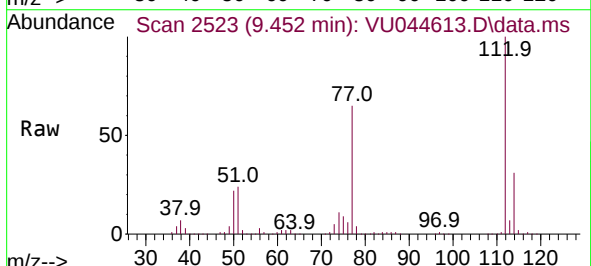
RT: 9.452 min Scan# 2523

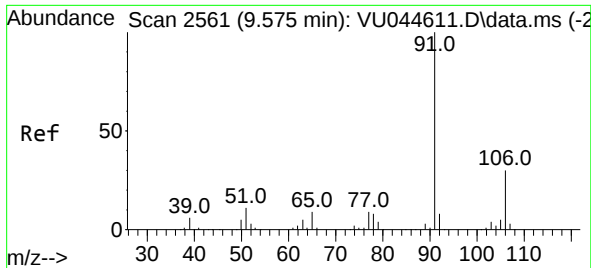
Delta R.T. -0.000 min

Lab File: VU044613.D

Acq: 09 Sep 2021 14:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 647467 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.3  | 22.8  | 42.4   |
| 77       | 64.6  | 51.4  | 77.0   |

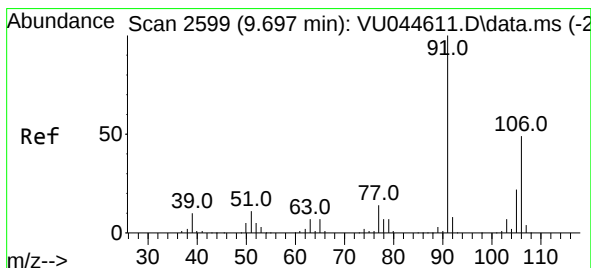
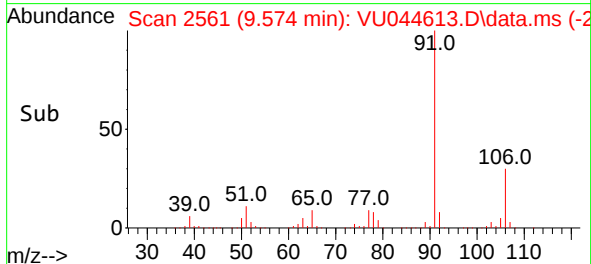
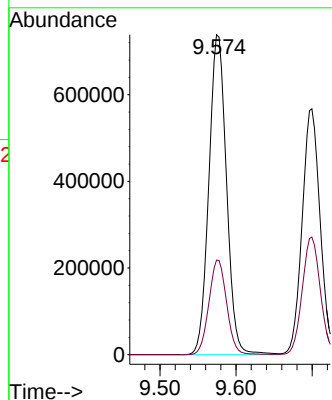
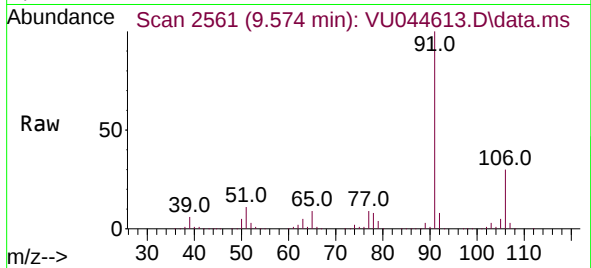




#52  
Ethylbenzene  
Concen: 20.339 ug/L  
RT: 9.574 min Scan# 2561  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

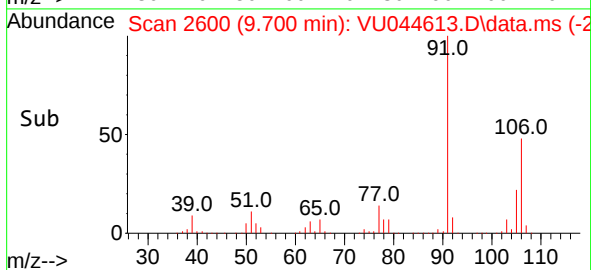
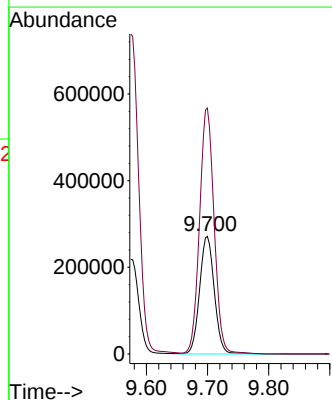
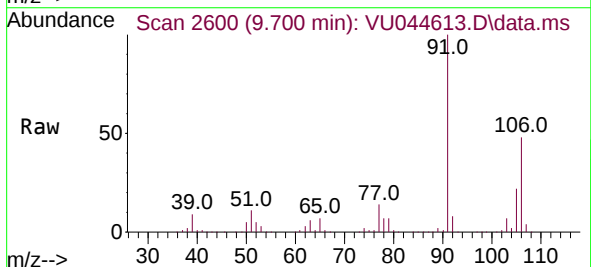
Instrument :  
MSVOA\_U  
ClientSampled :

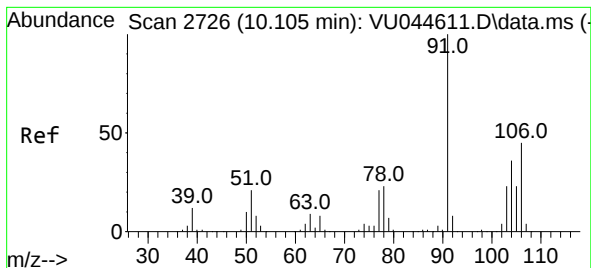
Tgt Ion: 91 Resp: 1189365  
Ion Ratio Lower Upper  
91 100  
106 29.6 21.1 39.1



#53  
m,p-Xylene  
Concen: 20.571 ug/L  
RT: 9.700 min Scan# 2600  
Delta R.T. 0.003 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion:106 Resp: 453143  
Ion Ratio Lower Upper  
106 100  
91 209.0 144.6 268.6

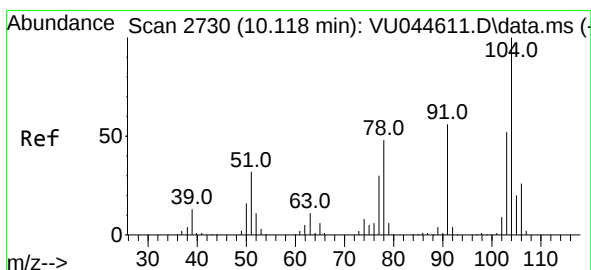
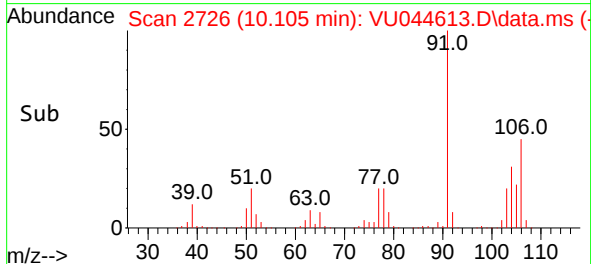
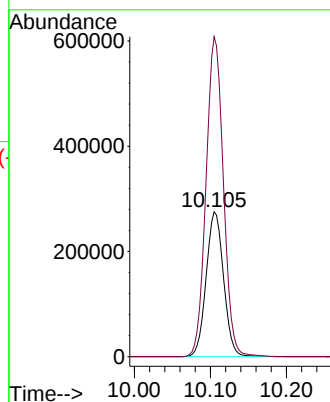
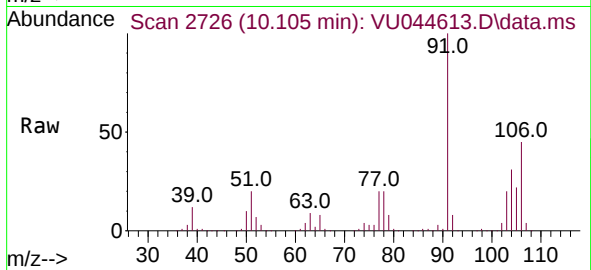




#54  
o-Xylene  
Concen: 20.586 ug/L  
RT: 10.105 min Scan# 2726  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

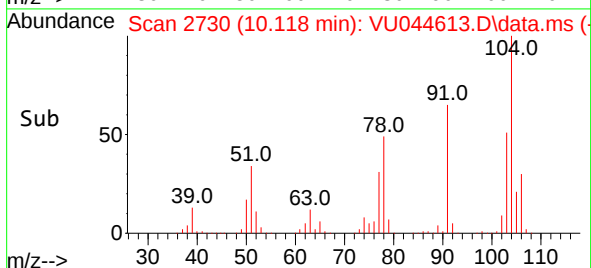
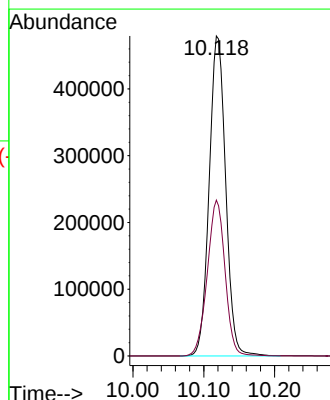
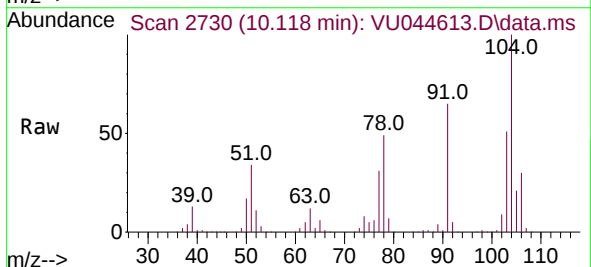
Instrument :  
MSVOA\_U  
ClientSampleId :

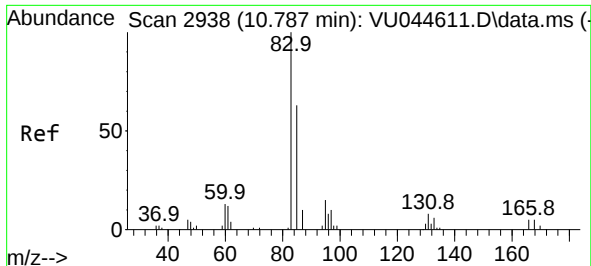
Tgt Ion:106 Resp: 438765  
Ion Ratio Lower Upper  
106 100  
91 221.0 156.2 290.0



#55  
Styrene  
Concen: 21.726 ug/L  
RT: 10.118 min Scan# 2730  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion:104 Resp: 775259  
Ion Ratio Lower Upper  
104 100  
78 48.7 33.6 62.4

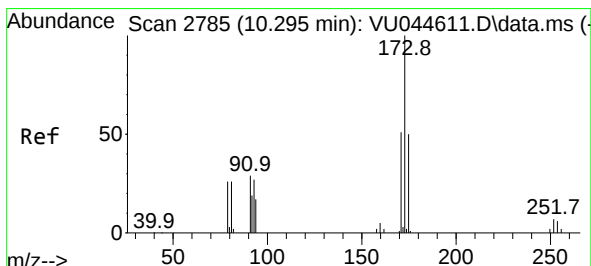
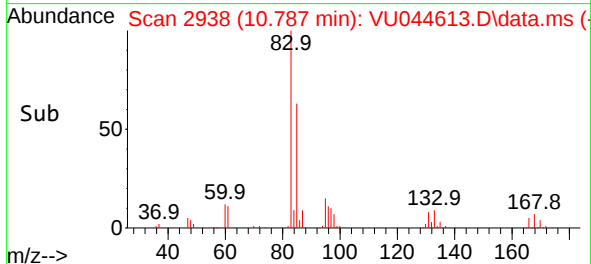
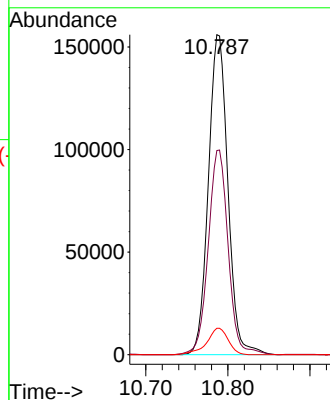
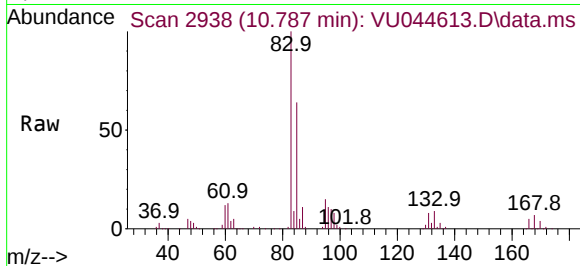




#57  
1,1,2,2-Tetrachloroethane  
Concen: 19.753 ug/L  
RT: 10.787 min Scan# 2938  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

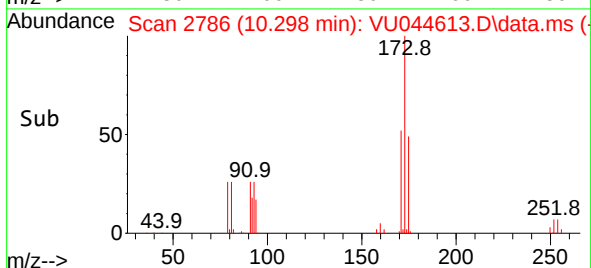
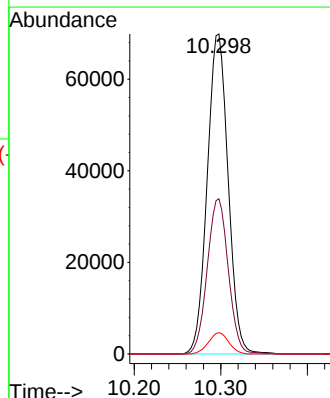
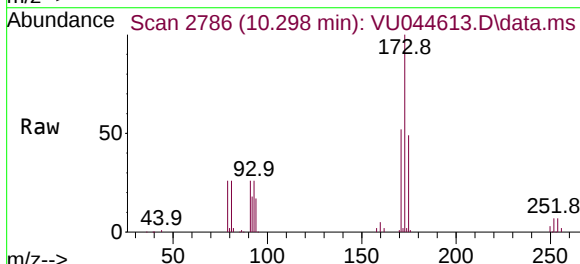
Instrument :  
MSVOA\_U  
ClientSampleId :

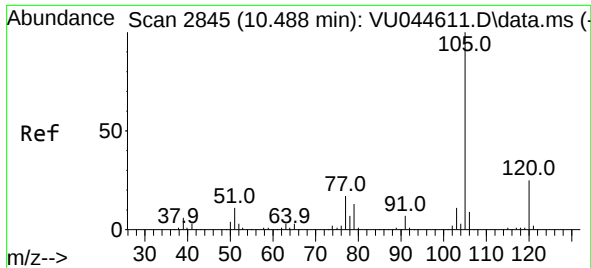
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 257515 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.8  | 44.5  | 82.7   |
| 131      | 8.3   | 6.6   | 10.0   |



#59  
Bromoform  
Concen: 20.184 ug/L  
RT: 10.298 min Scan# 2786  
Delta R.T. 0.003 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 173   | Resp: | 117140 |
| Ion      | Ratio | Lower | Upper  |
| 173      | 100   |       |        |
| 175      | 48.8  | 38.8  | 58.2   |
| 254      | 6.5   | 4.9   | 7.3    |

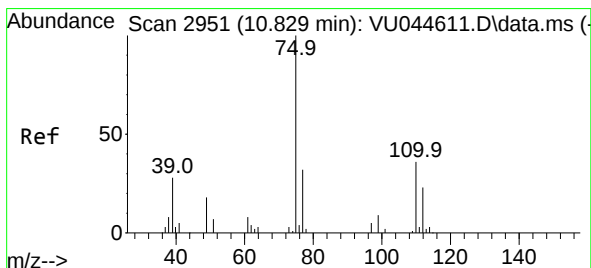
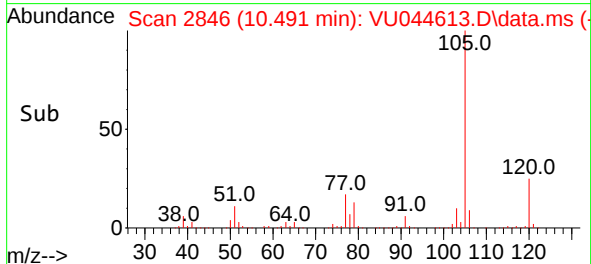
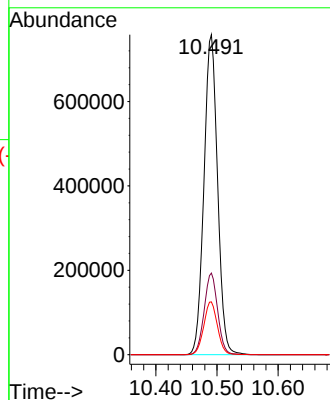
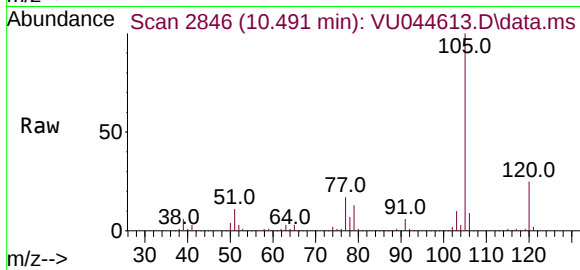




#60  
Isopropylbenzene  
Concen: 19.582 ug/L  
RT: 10.491 min Scan# 2846  
Delta R.T. 0.003 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

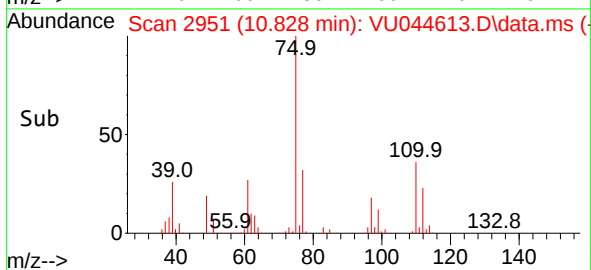
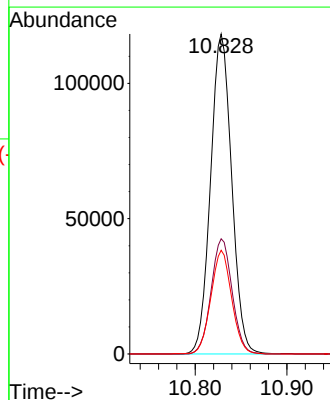
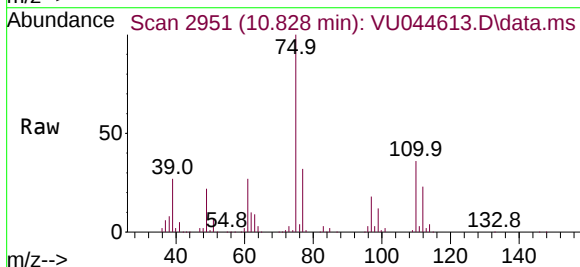
Instrument :  
MSVOA\_U  
ClientSampleId :

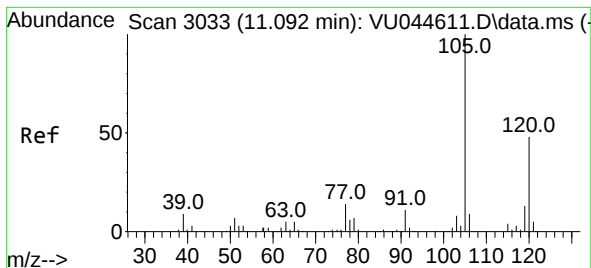
Tgt Ion:105 Resp: 1171484  
Ion Ratio Lower Upper  
105 100  
120 25.3 20.2 30.2  
77 16.7 13.6 20.4



#61  
1,2,3-Trichloropropane  
Concen: 18.244 ug/L  
RT: 10.828 min Scan# 2951  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 75 Resp: 188835  
Ion Ratio Lower Upper  
75 100  
110 35.9 28.8 43.2  
77 31.9 25.9 38.9

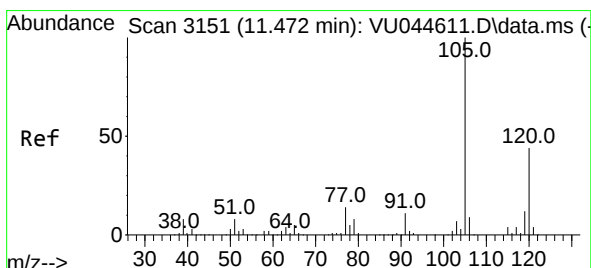
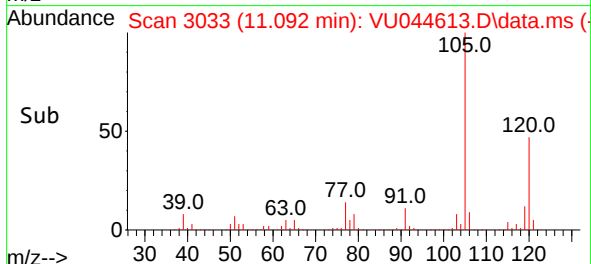
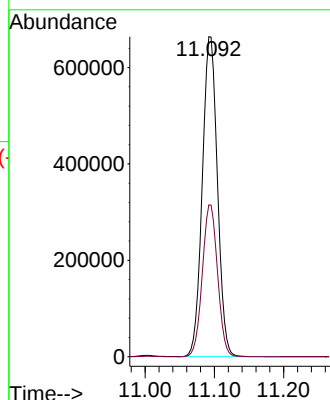
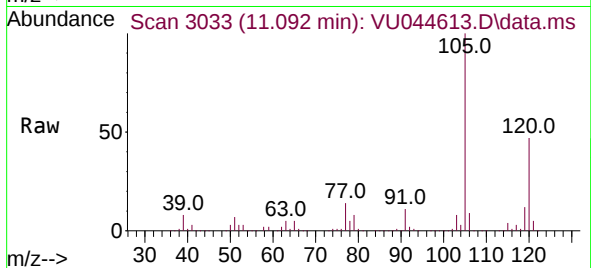




#62  
1,3,5-Trimethylbenzene  
Concen: 20.529 ug/L  
RT: 11.092 min Scan# 3033  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

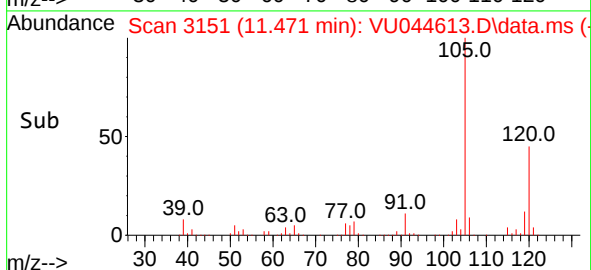
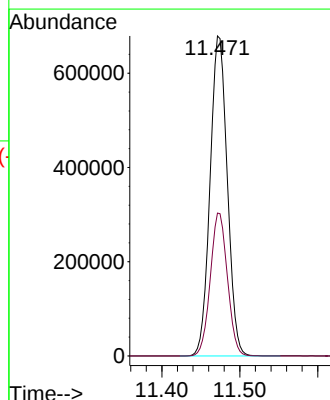
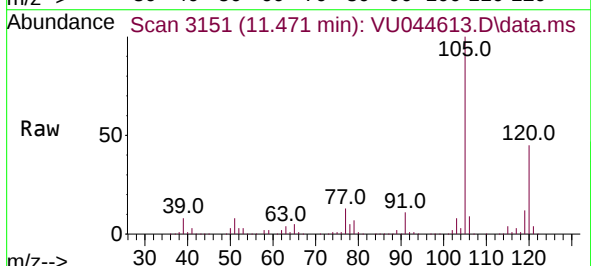
Instrument :  
MSVOA\_U  
ClientSampleId :

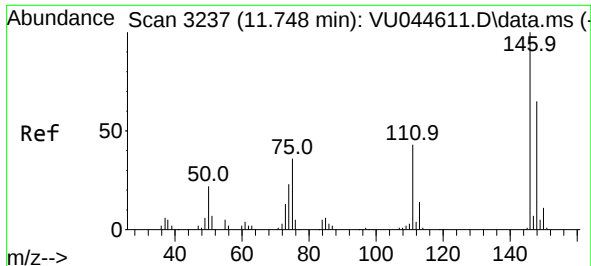
Tgt Ion:105 Resp: 1004918  
Ion Ratio Lower Upper  
105 100  
120 47.8 38.2 57.2



#63  
1,2,4-Trimethylbenzene  
Concen: 20.748 ug/L  
RT: 11.471 min Scan# 3151  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion:105 Resp: 1040943  
Ion Ratio Lower Upper  
105 100  
120 44.4 35.4 53.2

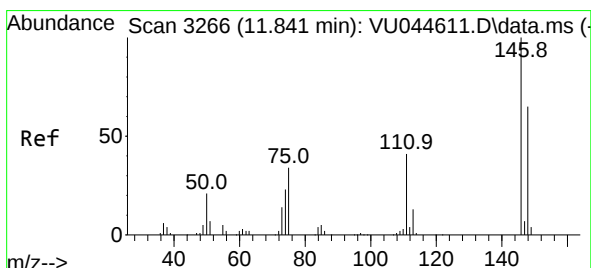
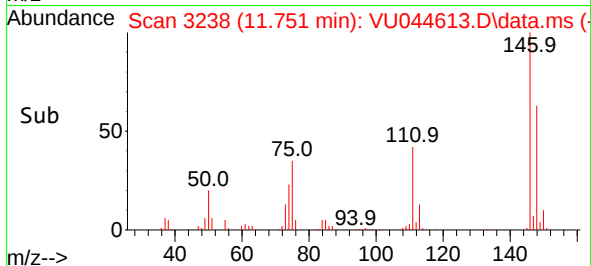
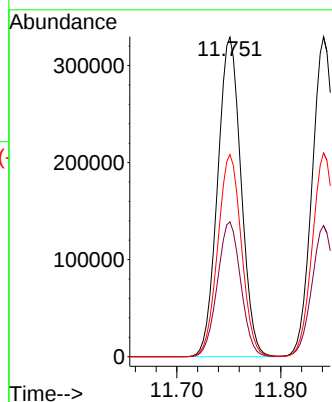
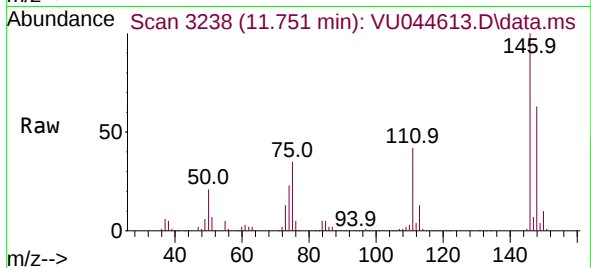




#64  
1,3-Dichlorobenzene  
Concen: 19.521 ug/L  
RT: 11.751 min Scan# 3238  
Delta R.T. 0.003 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

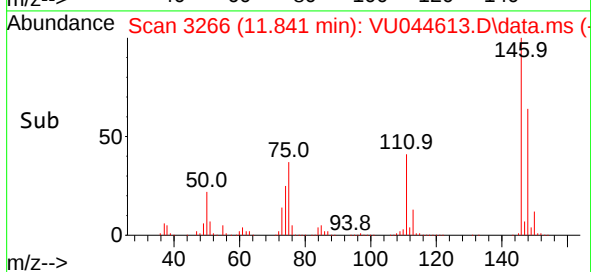
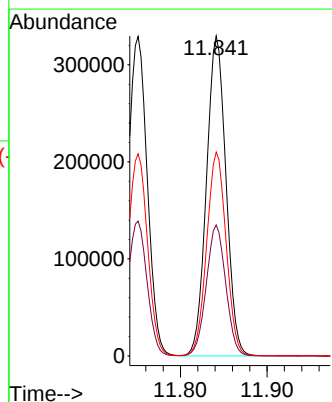
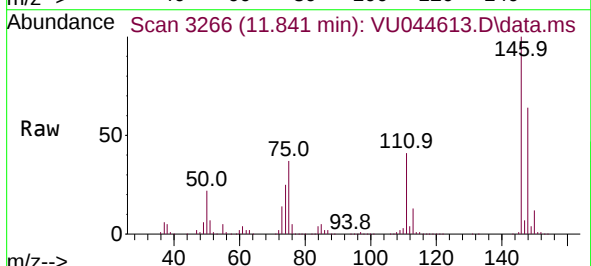
Instrument :  
MSVOA\_U  
ClientSampleId :

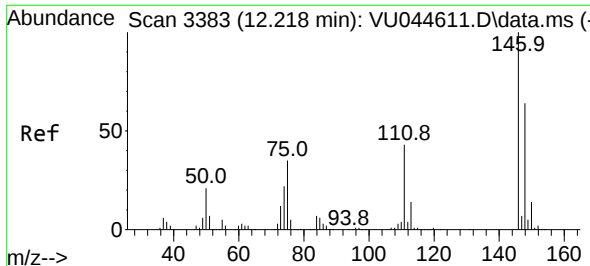
Tgt Ion:146 Resp: 516655  
Ion Ratio Lower Upper  
146 100  
111 42.2 29.8 55.4  
148 63.2 45.2 84.0



#65  
1,4-Dichlorobenzene  
Concen: 19.181 ug/L  
RT: 11.841 min Scan# 3266  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion:146 Resp: 515177  
Ion Ratio Lower Upper  
146 100  
111 41.0 28.7 53.3  
148 63.7 45.4 84.4

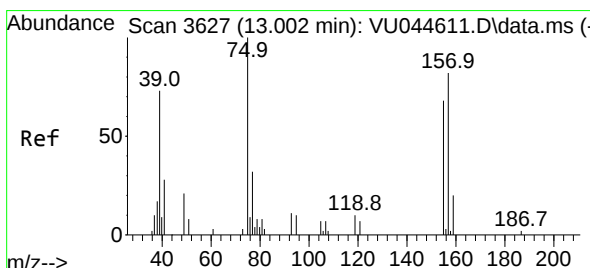
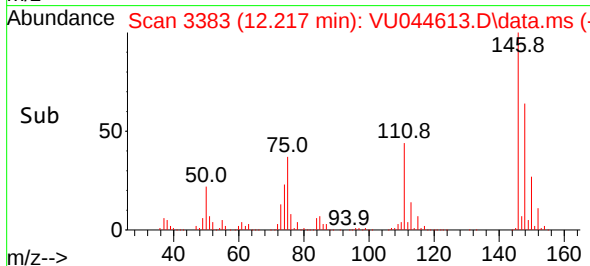
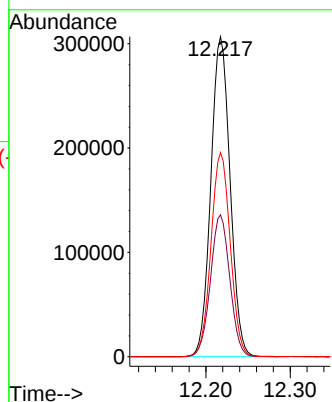
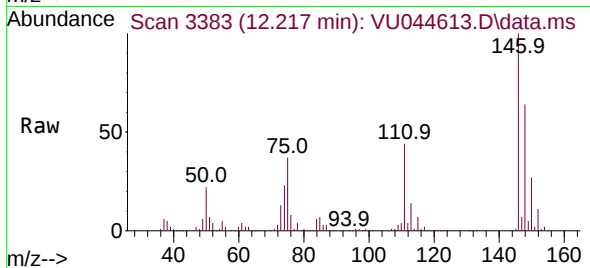




#67  
1,2-Dichlorobenzene  
Concen: 19.270 ug/L  
RT: 12.217 min Scan# 3383  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

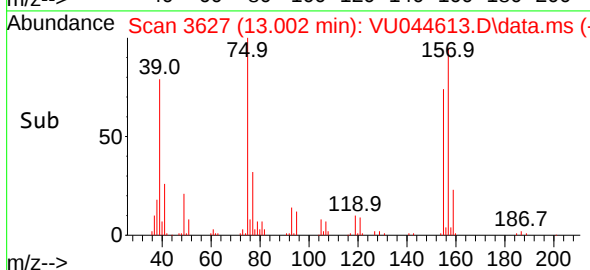
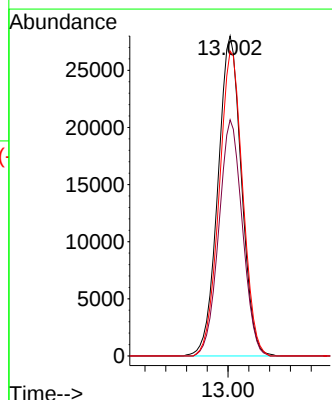
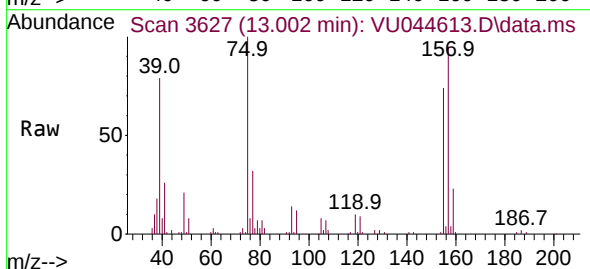
Instrument :  
MSVOA\_U  
ClientSampleId :

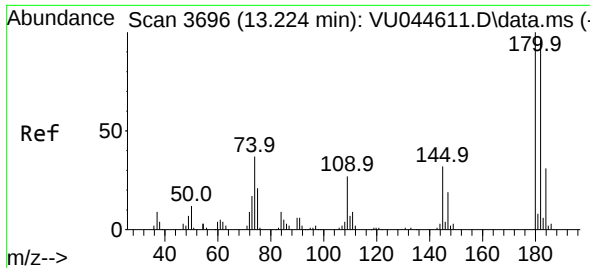
Tgt Ion:146 Resp: 485590  
Ion Ratio Lower Upper  
146 100  
111 44.3 34.6 51.8  
148 63.8 51.3 76.9



#68  
1,2-Dibromo-3-chloropropane  
Concen: 20.574 ug/L  
RT: 13.002 min Scan# 3627  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion: 75 Resp: 44165  
Ion Ratio Lower Upper  
75 100  
155 73.8 54.0 81.0  
157 95.3 65.4 98.2

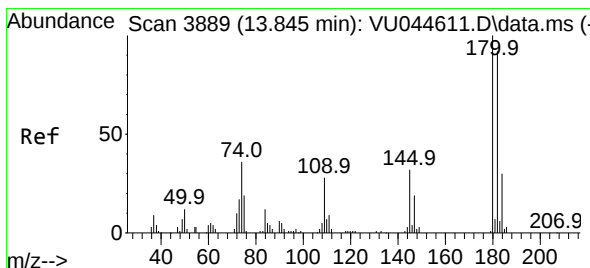
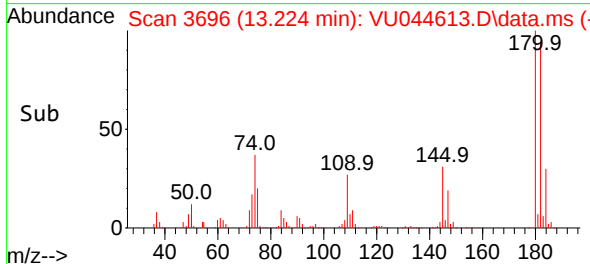
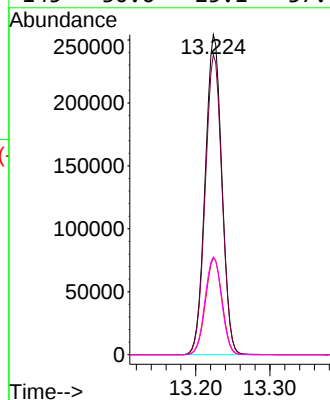
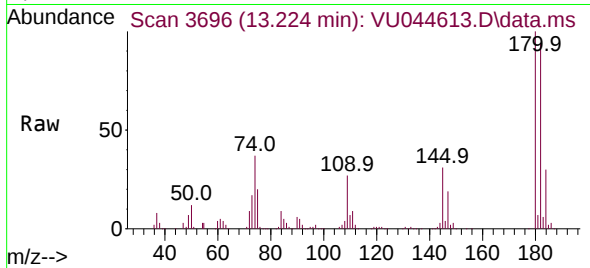




#69  
1,3,5-Trichlorobenzene  
Concen: 20.933 ug/L  
RT: 13.224 min Scan# 3696  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

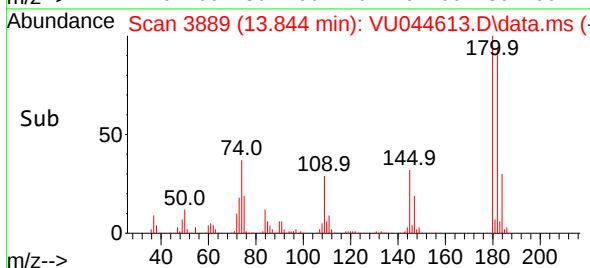
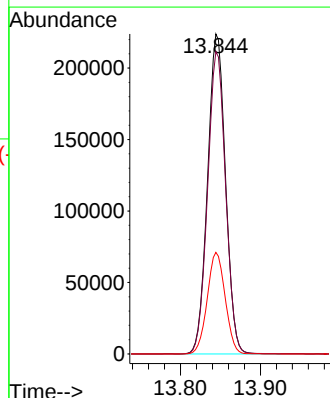
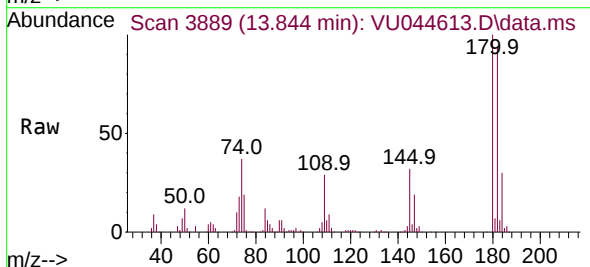
Instrument :  
MSVOA\_U  
ClientSampleId :

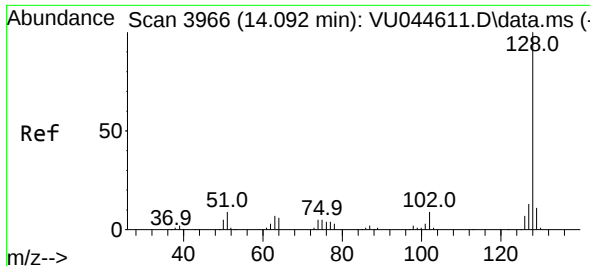
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 394850 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.3  | 76.9  | 115.3  |
| 184       | 30.3  | 24.1  | 36.1   |
| 145       | 30.6  | 25.1  | 37.7   |



#70  
1,2,4-trichlorobenzene  
Concen: 23.385 ug/L  
RT: 13.844 min Scan# 3889  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 349242 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.9  | 75.4  | 113.0  |
| 145       | 31.8  | 25.2  | 37.8   |

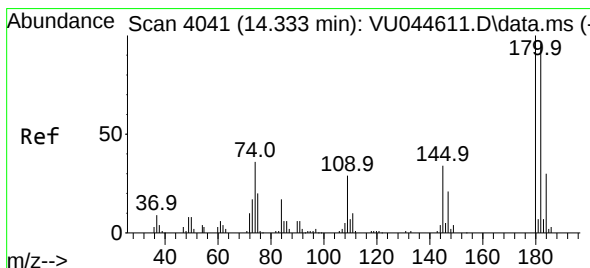
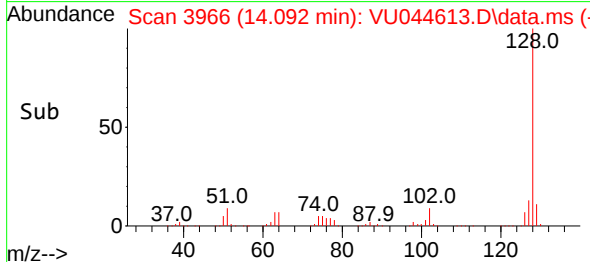
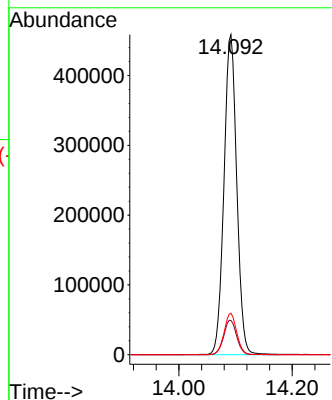
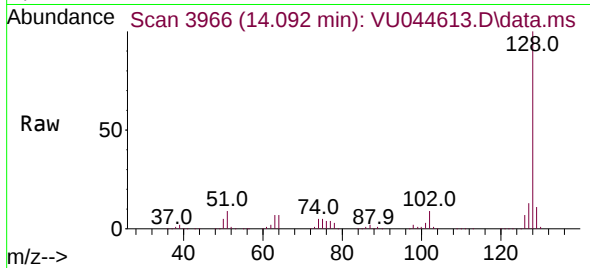




#71  
Naphthalene  
Concen: 25.392 ug/L  
RT: 14.092 min Scan# 3966  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 717432  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.7 13.1  
127 12.8 10.4 15.6



#72  
1,2,3-Trichlorobenzene  
Concen: 23.272 ug/L  
RT: 14.333 min Scan# 4041  
Delta R.T. -0.000 min  
Lab File: VU044613.D  
Acq: 09 Sep 2021 14:51

Tgt Ion:180 Resp: 317694  
Ion Ratio Lower Upper  
180 100  
182 95.3 75.9 113.9  
145 33.5 27.0 40.6

