

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011822\  
 Data File : VU046781.D  
 Acq On : 18 Jan 2022 14:11  
 Operator : SY/MD  
 Sample : VSTDICV005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 19 07:22:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 19 06:55:47 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114  | 130094   | 5.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117  | 132097   | 5.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152  | 77624    | 5.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65   | 51363    | 4.659  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.919  | 69   | 41383    | 4.765  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65   | 21286    | 4.854  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 4.652  | 46   | 167374   | 51.251 | ug/L   | 0.00     |
| 24) Chloroform-d              | 5.067  | 84   | 91174    | 4.711  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.707  | 65   | 50419    | 4.784  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.729  | 84   | 192043   | 4.946  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67   | 57544    | 4.937  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.899  | 98   | 174976   | 4.924  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79   | 24940    | 4.872  | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.639  | 63   | 157150   | 51.845 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84   | 58480    | 4.997  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152  | 68399    | 4.699  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388  | 85   | 65006    | 5.312  | ug/L   | 99       |
| 3) Chloromethane              | 1.523  | 50   | 52870    | 5.246  | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607  | 62   | 54803    | 5.223  | ug/L   | 100      |
| 6) Bromomethane               | 1.864  | 94   | 34789    | 5.299  | ug/L   | 99       |
| 8) Chloroethane               | 1.938  | 64   | 32235    | 5.338  | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.144  | 101  | 68633    | 5.369  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584  | 101  | 40754    | 5.361  | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.584  | 96   | 38572    | 5.310  | ug/L   | 83       |
| 13) Acetone                   | 2.678  | 43   | 83969    | 47.274 | ug/L   | 93       |
| 14) Carbon disulfide          | 2.797  | 76   | 124297   | 5.210  | ug/L   | 100      |
| 15) Methyl Acetate            | 2.967  | 43   | 21229    | 5.472  | ug/L   | 96       |
| 16) Methylene chloride        | 3.051  | 84   | 43697    | 4.981  | ug/L   | 91       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73   | 108508   | 5.324  | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 3.356  | 96   | 40952    | 5.205  | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.874  | 63   | 70888    | 5.367  | ug/L   | 99       |
| 21) 2-Butanone                | 4.732  | 43   | 150675   | 52.747 | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96   | 44835    | 5.402  | ug/L   | 96       |
| 23) Bromochloromethane        | 4.980  | 128  | 22188    | 5.434  | ug/L # | 83       |
| 25) Chloroform                | 5.092  | 83   | 77816    | 3.712  | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.797  | 62   | 49691    | 5.370  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 63916    | 5.372  | ug/L   | 97       |
| 30) Cyclohexane               | 5.391  | 56   | 65388    | 5.418  | ug/L   | 93       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 54209    | 5.310  | ug/L   | 97       |
| 33) Benzene                   | 5.777  | 78   | 166229   | 5.345  | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 42833    | 5.304  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.764  | 83   | 74537    | 5.511  | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 40831    | 5.352  | ug/L # | 97       |
| 38) Bromodichloromethane      | 7.108  | 83   | 54699    | 4.982  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 64934    | 5.455  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 312111   | 55.801 | ug/L # | 94       |
| 42) Toluene                   | 7.970  | 91   | 192168   | 5.170  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 57912    | 5.461  | ug/L   | 98       |

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 Sample : VSTDICV005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

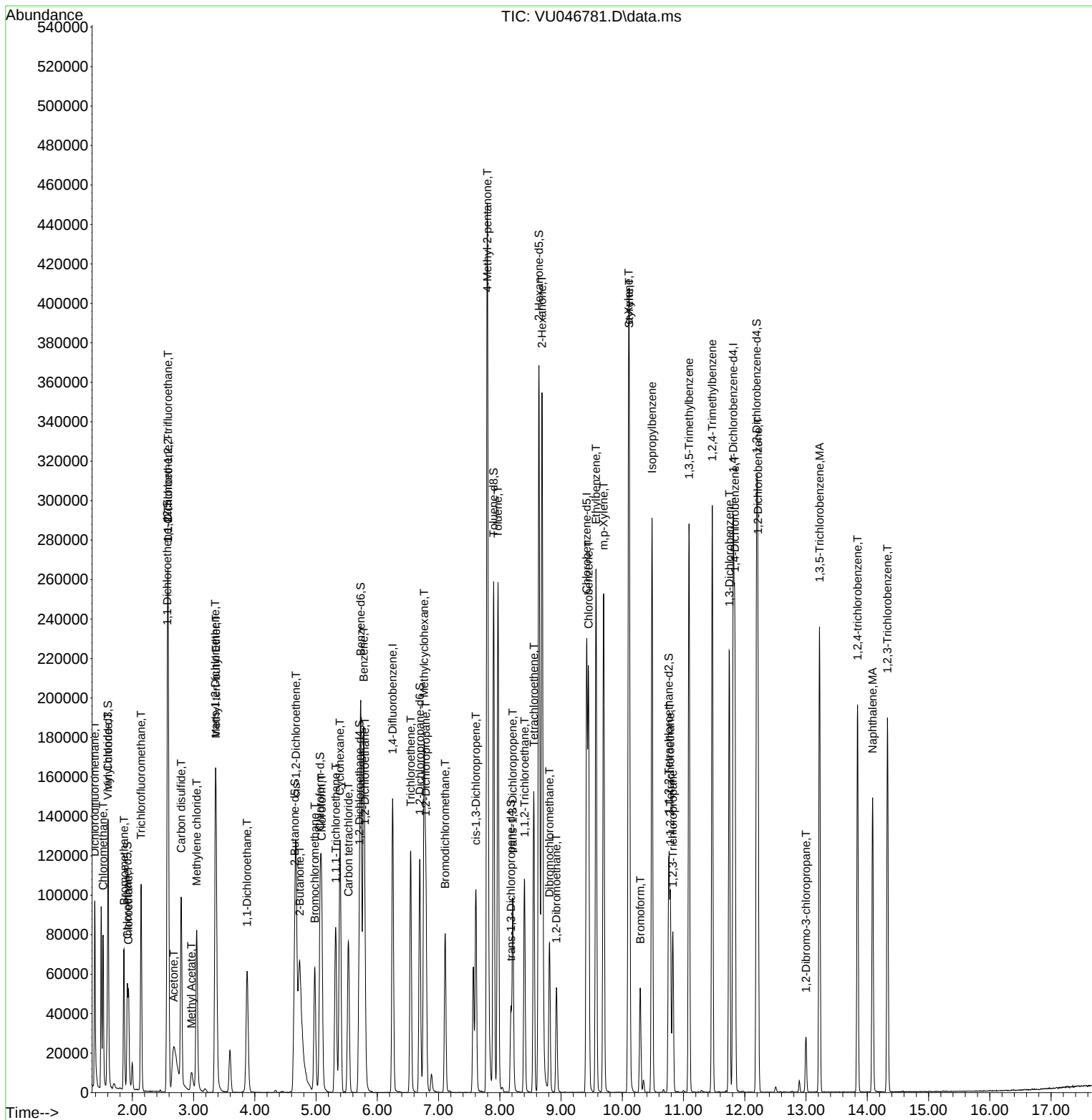
Instrument :  
 MSVOA\_U  
 ClientSampleId :

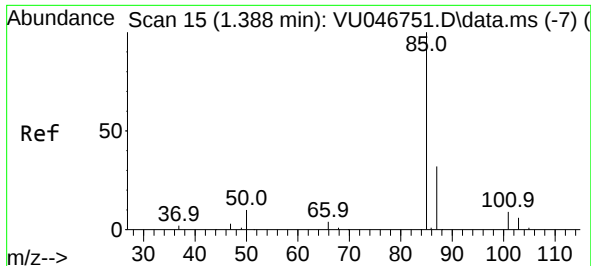
Quant Time: Jan 19 07:22:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 19 06:55:47 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 35299    | 5.438  | ug/L   | 95       |
| 47) Tetrachloroethene         | 8.555  | 164  | 35679    | 5.433  | ug/L   | 90       |
| 48) 2-Hexanone                | 8.690  | 43   | 236882   | 56.108 | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.813  | 129  | 40990    | 5.353  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 35289    | 5.364  | ug/L # | 97       |
| 51) Chlorobenzene             | 9.449  | 112  | 116119   | 5.379  | ug/L   | 96       |
| 52) Ethylbenzene              | 9.571  | 91   | 193187   | 5.466  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.697  | 106  | 78405    | 5.565  | ug/L   | 99       |
| 54) o-Xylene                  | 10.102 | 106  | 76015    | 5.566  | ug/L   | 99       |
| 55) Styrene                   | 10.115 | 104  | 127404   | 5.703  | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 47831    | 5.479  | ug/L   | 94       |
| 59) Bromoform                 | 10.295 | 173  | 25123    | 5.256  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.484 | 105  | 197602   | 5.465  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 35287    | 5.365  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 160675   | 5.414  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 168195   | 5.507  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 96262    | 5.326  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 95670    | 5.260  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 92218    | 5.275  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 7290     | 5.340  | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 75631    | 5.307  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 61702    | 5.179  | ug/L   | 99       |
| 71) Naphthalene               | 14.089 | 128  | 122840   | 5.065  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 59075    | 5.250  | ug/L   | 99       |
| -----                         |        |      |          |        |        |          |

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

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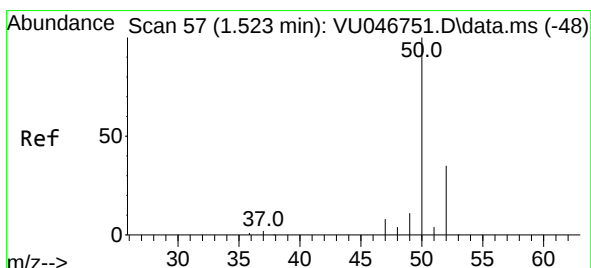
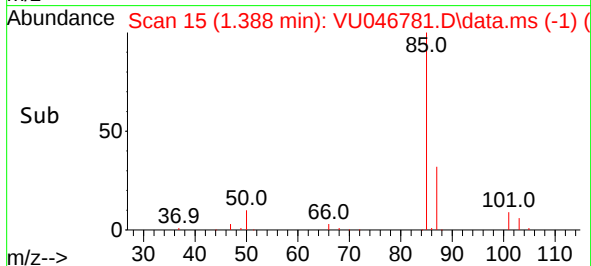
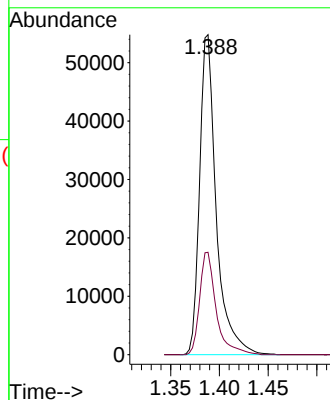
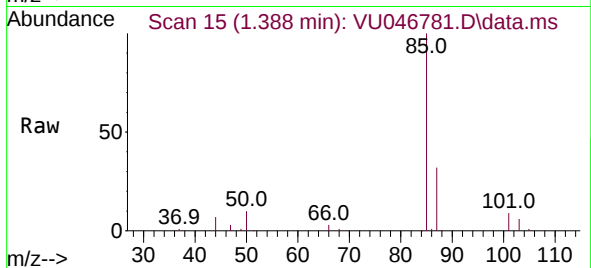




#2  
Dichlorodifluoromethane  
Concen: 5.312 ug/L  
RT: 1.388 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

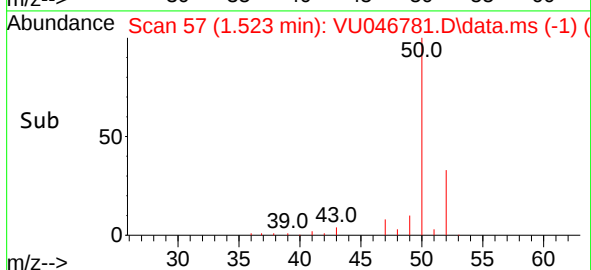
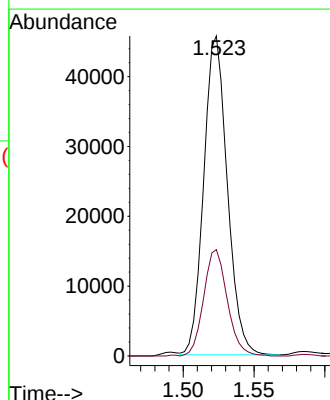
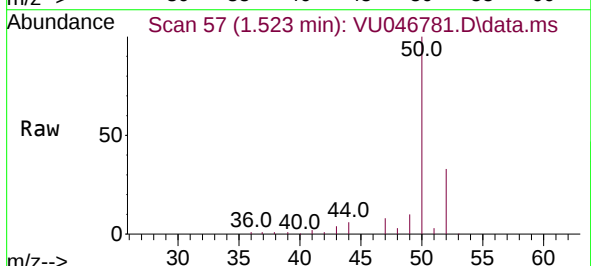
Instrument :  
MSVOA\_U  
ClientSampleId :

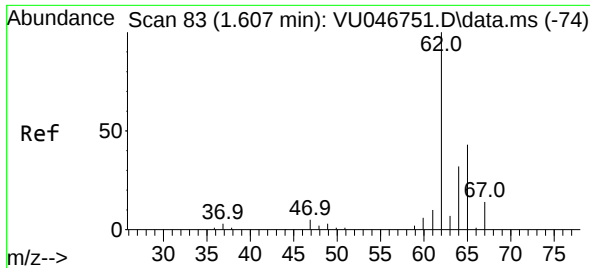
Tgt Ion: 85 Resp: 65006  
Ion Ratio Lower Upper  
85 100  
87 31.8 25.8 38.6



#3  
Chloromethane  
Concen: 5.246 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Tgt Ion: 50 Resp: 52870  
Ion Ratio Lower Upper  
50 100  
52 33.2 23.0 42.8

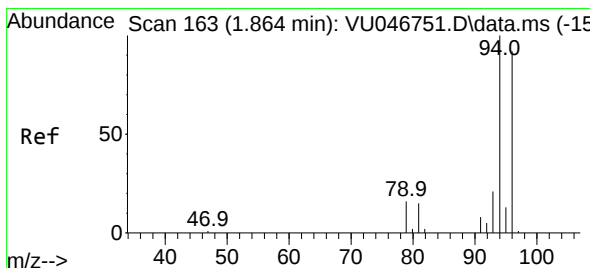
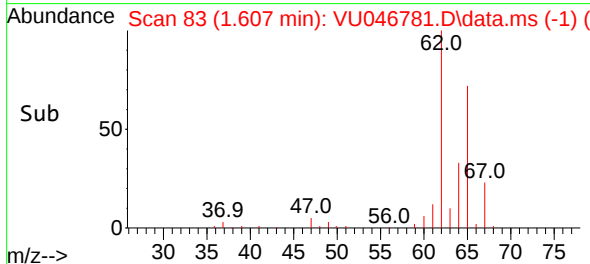
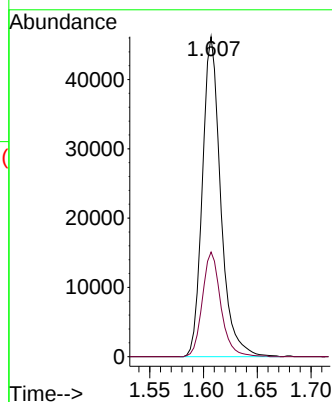
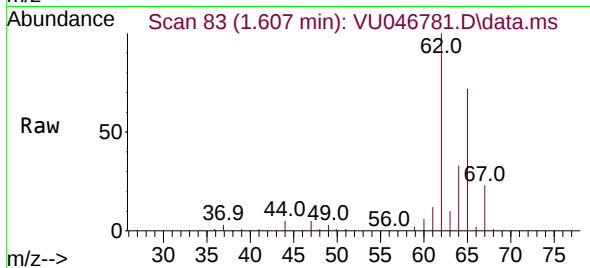




#5  
 Vinyl chloride  
 Concen: 5.223 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. 0.000 min  
 Lab File: VU046781.D  
 Acq: 18 Jan 2022 14:11

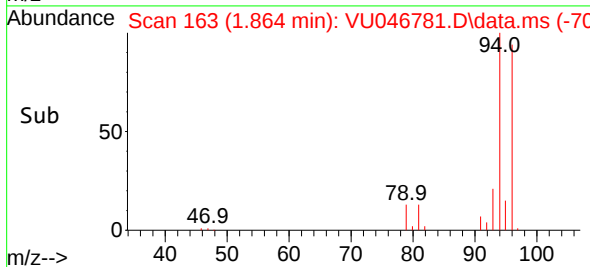
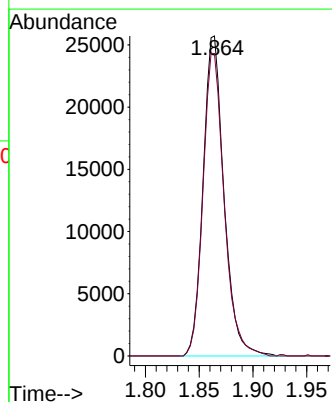
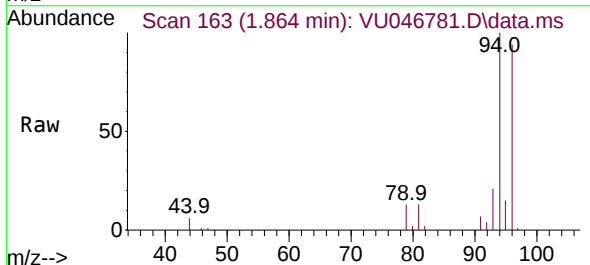
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 ClientSampleId :

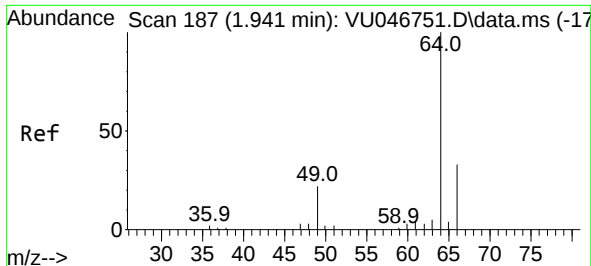
Tgt Ion: 62 Resp: 54803  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 22.9 42.5



#6  
 Bromomethane  
 Concen: 5.299 ug/L  
 RT: 1.864 min Scan# 163  
 Delta R.T. 0.000 min  
 Lab File: VU046781.D  
 Acq: 18 Jan 2022 14:11

Tgt Ion: 94 Resp: 34789  
 Ion Ratio Lower Upper  
 94 100  
 96 94.5 65.5 121.6

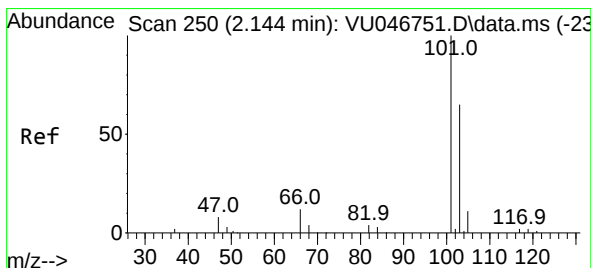
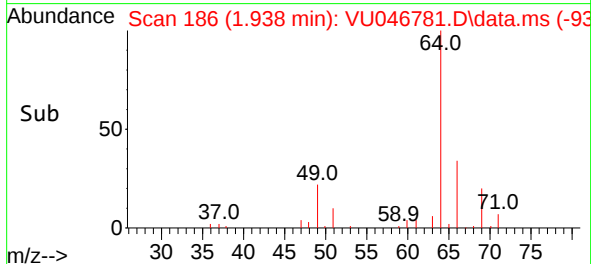
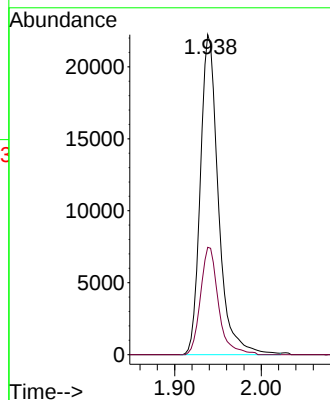
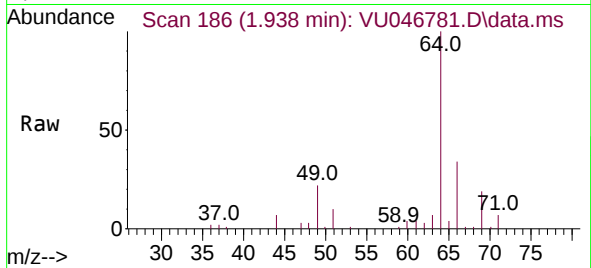




#8  
Chloroethane  
Concen: 5.338 ug/L  
RT: 1.938 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

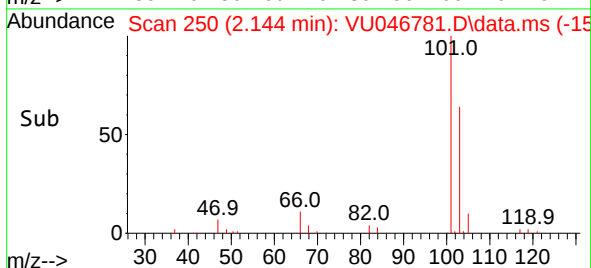
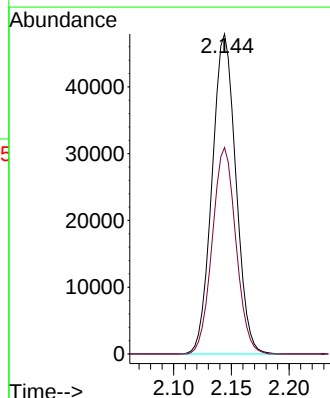
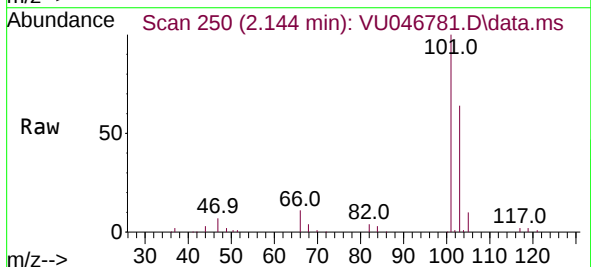
Instrument :  
MSVOA\_U  
ClientSampleId :

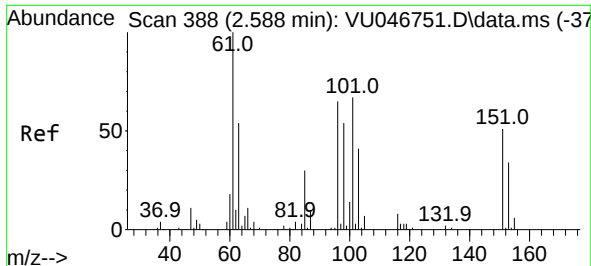
Tgt Ion: 64 Resp: 32235  
Ion Ratio Lower Upper  
64 100  
66 33.6 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 5.369 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Tgt Ion:101 Resp: 68633  
Ion Ratio Lower Upper  
101 100  
103 64.1 51.5 77.3

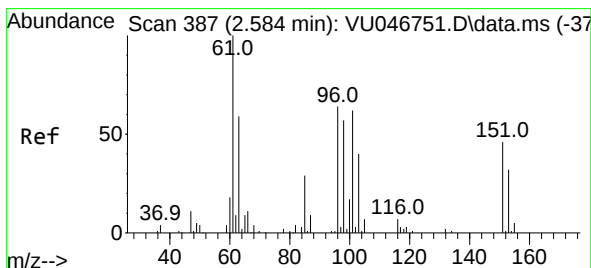
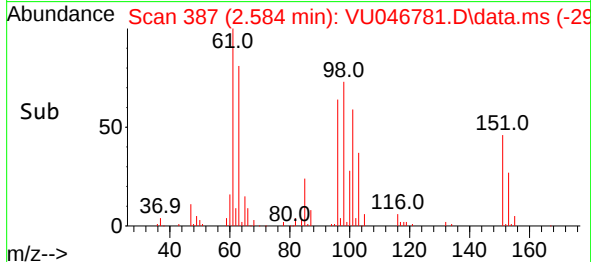
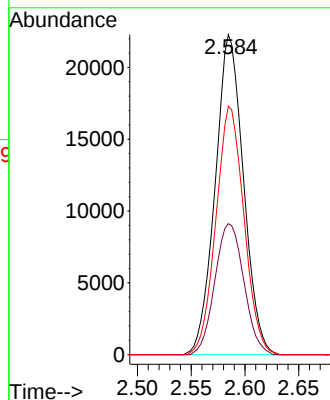
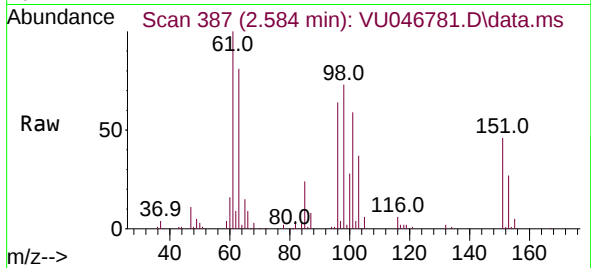




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.361 ug/L  
RT: 2.584 min Scan# 387  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

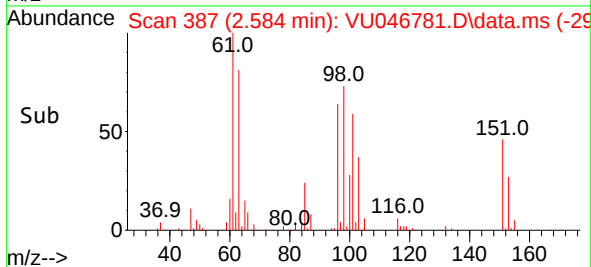
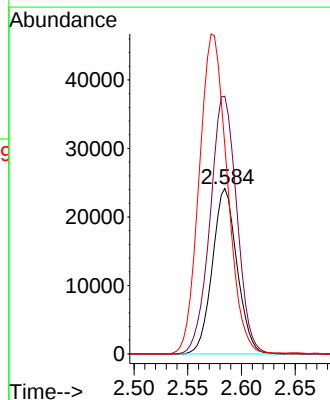
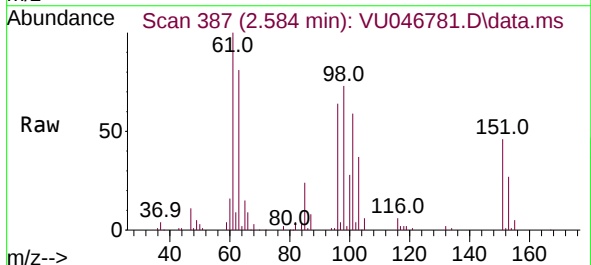
Instrument :  
MSVOA\_U  
ClientSampleId :

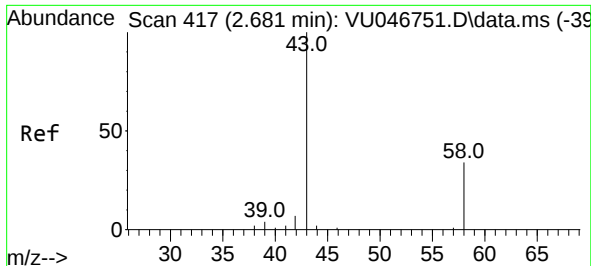
Tgt Ion:101 Resp: 40754  
Ion Ratio Lower Upper  
101 100  
85 42.0 34.6 51.8  
151 77.1 56.1 84.1



#12  
1,1-Dichloroethene  
Concen: 5.310 ug/L  
RT: 2.584 min Scan# 387  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Tgt Ion: 96 Resp: 38572  
Ion Ratio Lower Upper  
96 100  
61 155.7 124.7 231.5  
63 125.8 105.2 195.4





#13

Acetone

Concen: 47.274 ug/L

RT: 2.678 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

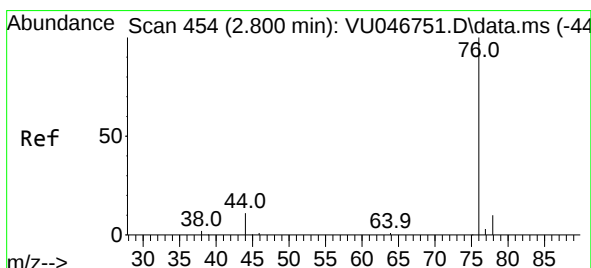
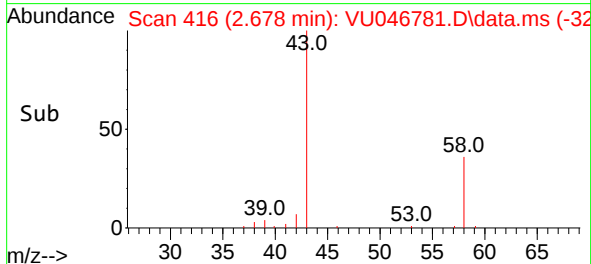
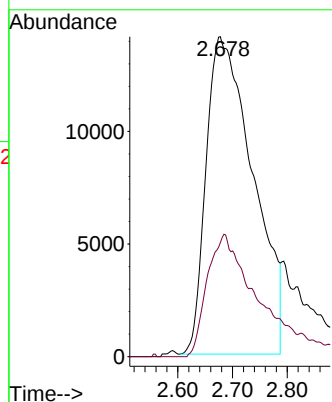
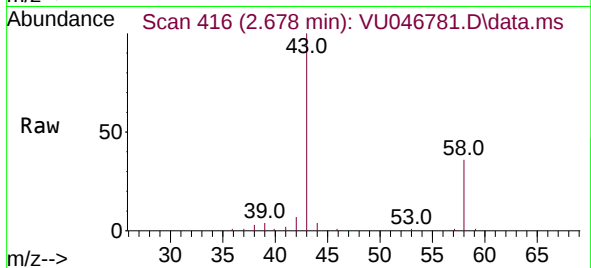
ClientSampleId :

Tgt Ion: 43 Resp: 83969

Ion Ratio Lower Upper

43 100

58 39.8 0.0 71.6



#14

Carbon disulfide

Concen: 5.210 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.003 min

Lab File: VU046781.D

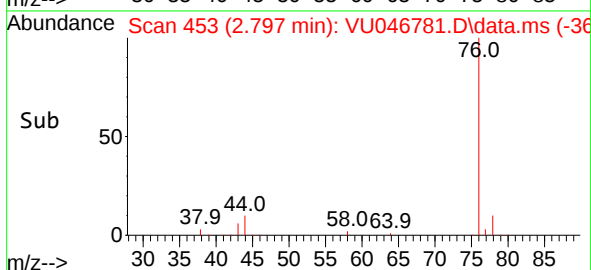
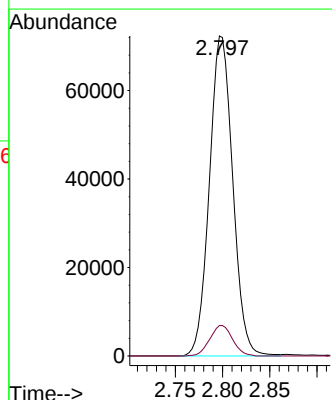
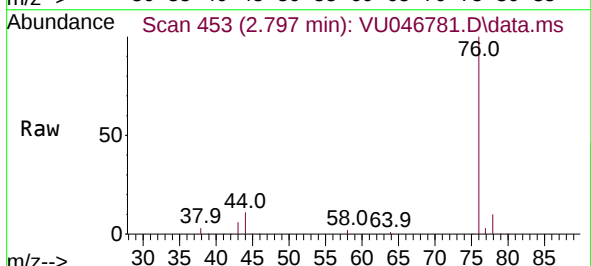
Acq: 18 Jan 2022 14:11

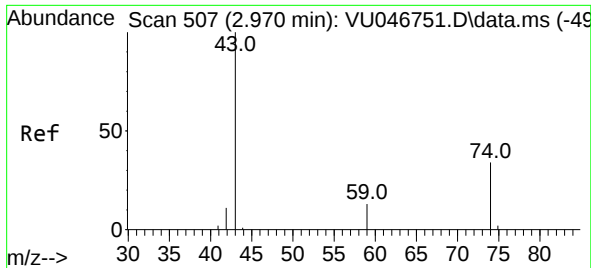
Tgt Ion: 76 Resp: 124297

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3

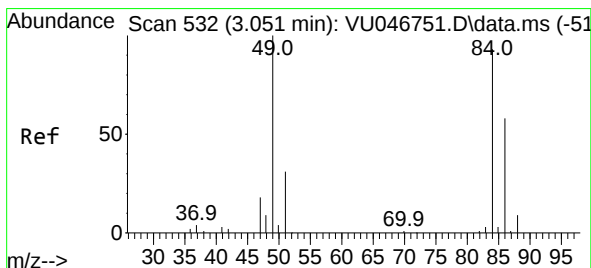
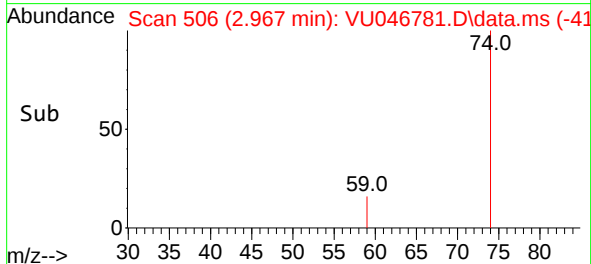
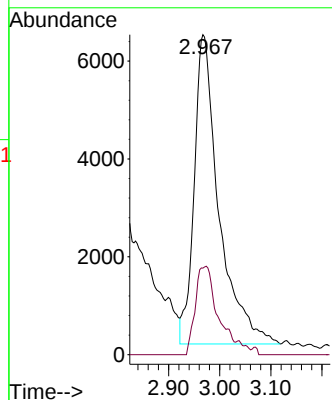
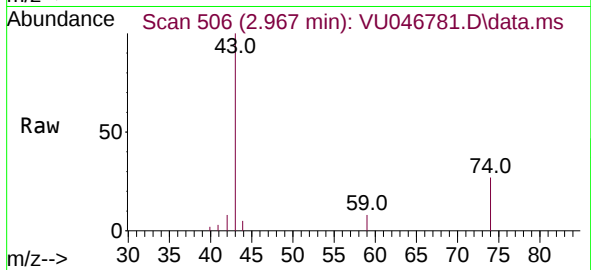




#15  
Methyl Acetate  
Concen: 5.472 ug/L  
RT: 2.967 min Scan# 507  
Delta R.T. -0.003 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

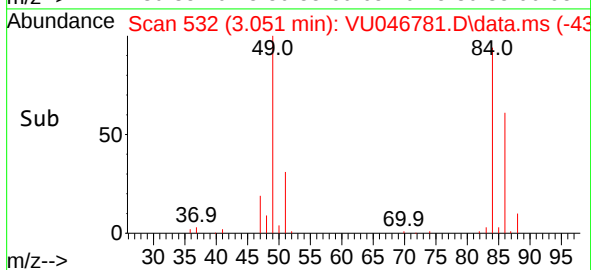
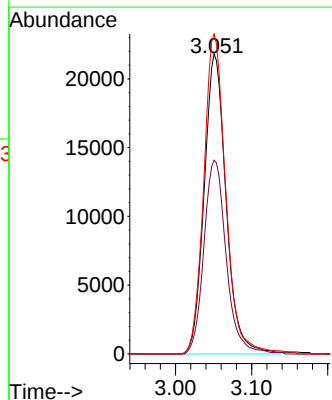
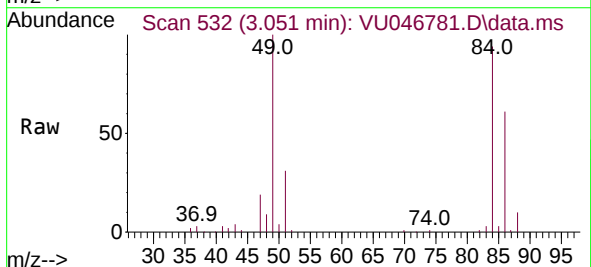
Instrument :  
MSVOA\_U  
ClientSampleId :

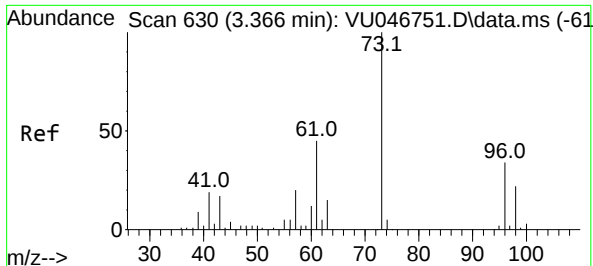
Tgt Ion: 43 Resp: 21229  
Ion Ratio Lower Upper  
43 100  
74 25.7 19.1 28.7



#16  
Methylene chloride  
Concen: 4.981 ug/L  
RT: 3.051 min Scan# 532  
Delta R.T. -0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Tgt Ion: 84 Resp: 43697  
Ion Ratio Lower Upper  
84 100  
86 64.5 45.8 85.0  
49 106.6 84.5 156.9





#17

Methyl tert-butyl Ether

Concen: 5.324 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

ClientSampleId :

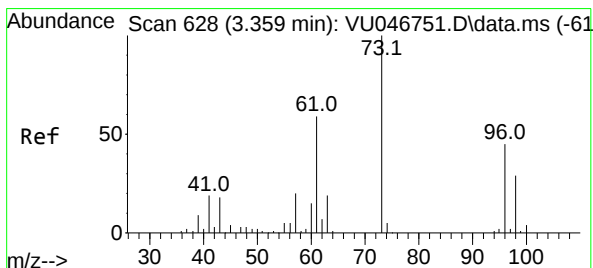
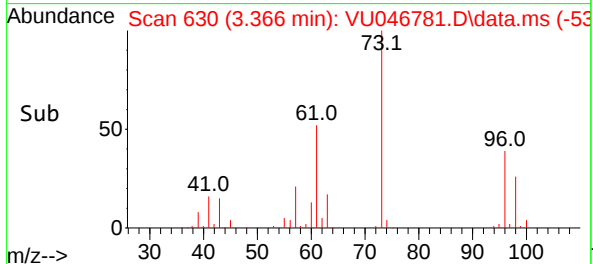
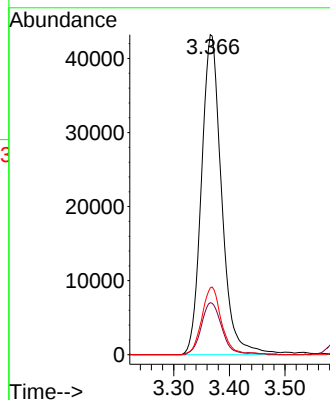
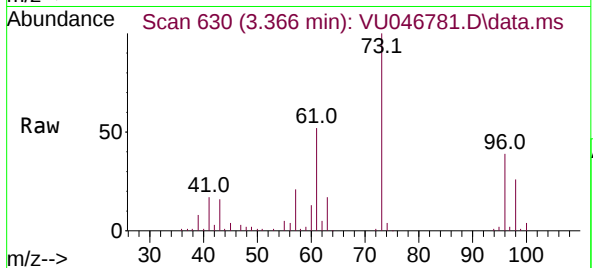
Tgt Ion: 73 Resp: 108508

Ion Ratio Lower Upper

73 100

43 16.4 14.8 22.2

57 20.4 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 5.205 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.003 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

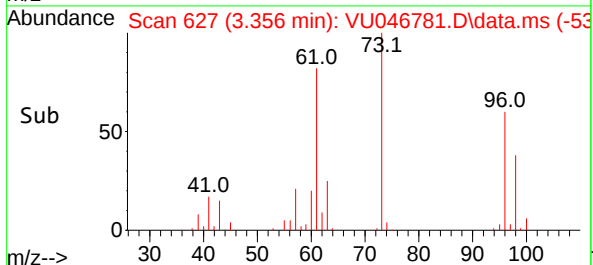
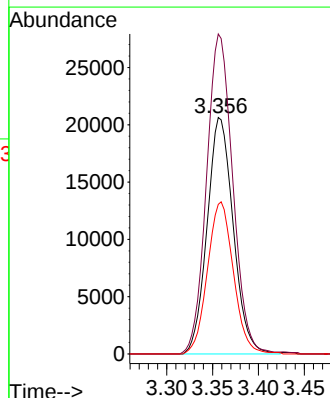
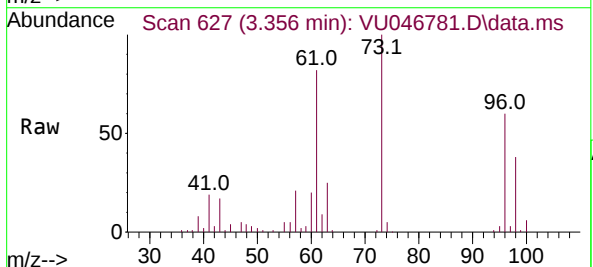
Tgt Ion: 96 Resp: 40952

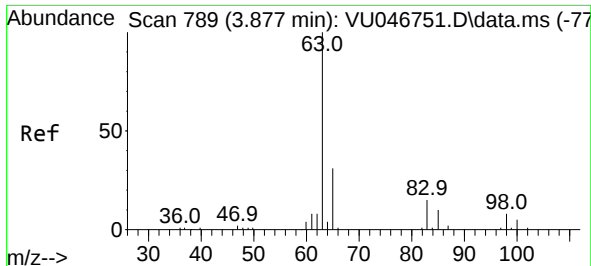
Ion Ratio Lower Upper

96 100

61 135.3 100.8 187.2

98 63.3 45.1 83.7





#19

1,1-Dichloroethane

Concen: 5.367 ug/L

RT: 3.874 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

ClientSampleId :

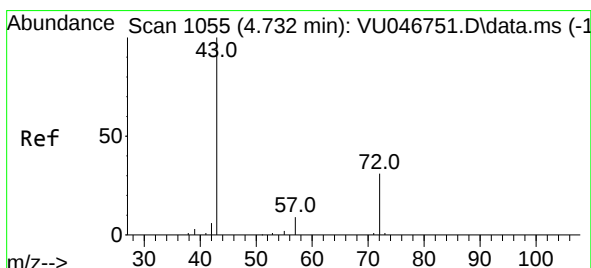
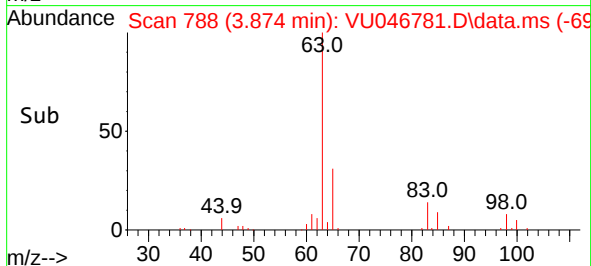
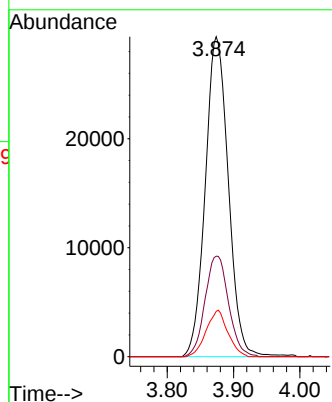
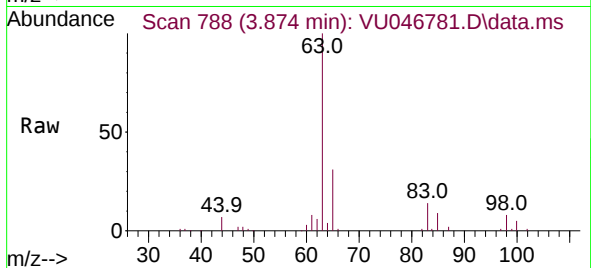
Tgt Ion: 63 Resp: 70888

Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.5

83 14.1 9.6 17.8



#21

2-Butanone

Concen: 52.747 ug/L

RT: 4.732 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VU046781.D

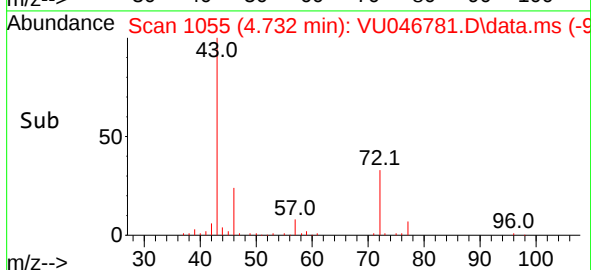
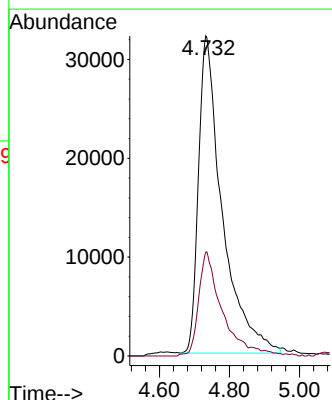
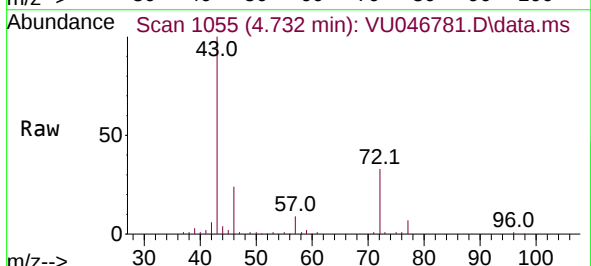
Acq: 18 Jan 2022 14:11

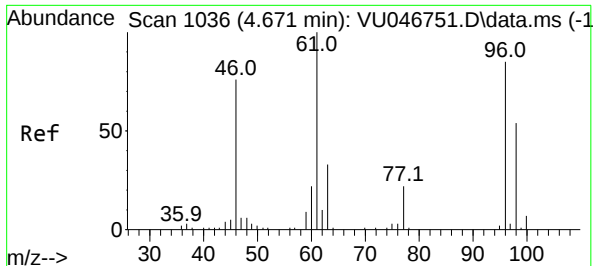
Tgt Ion: 43 Resp: 150675

Ion Ratio Lower Upper

43 100

72 30.7 14.1 42.3





#22

cis-1,2-Dichloroethene

Concen: 5.402 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

ClientSampleId :

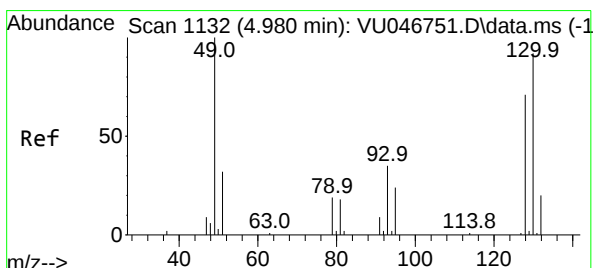
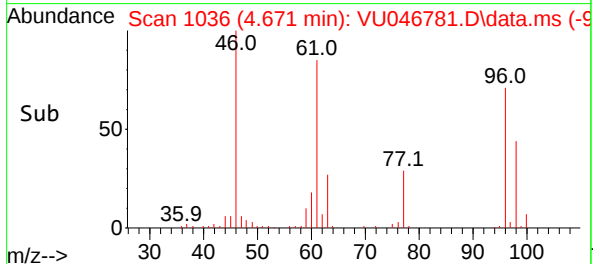
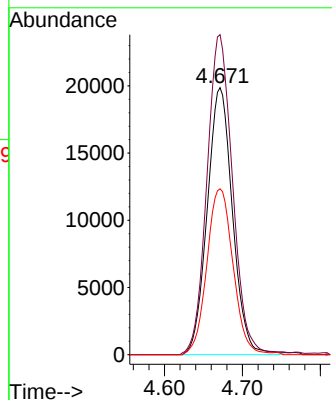
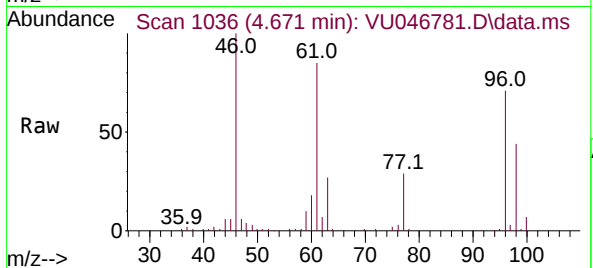
Tgt Ion: 96 Resp: 44835

Ion Ratio Lower Upper

96 100

61 119.8 88.5 164.3

98 62.1 44.4 82.5



#23

Bromochloromethane

Concen: 5.434 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Tgt Ion:128 Resp: 22188

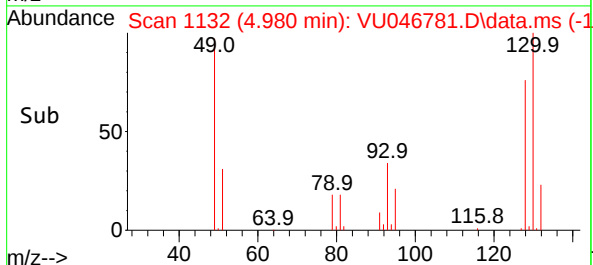
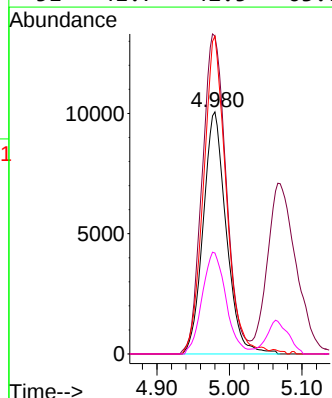
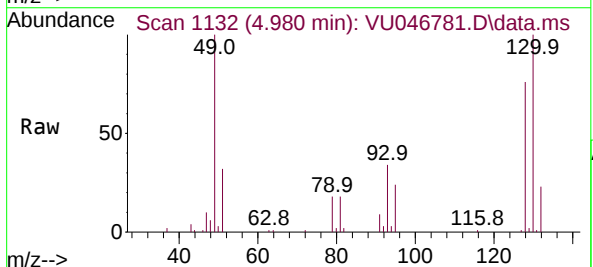
Ion Ratio Lower Upper

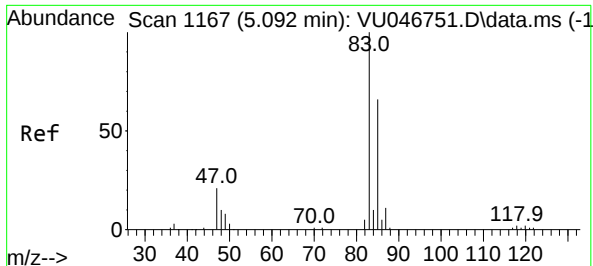
128 100

49 131.3 117.0 217.2

130 131.2 88.2 163.8

51 41.7 42.5 63.7#





#25

Chloroform

Concen: 3.712 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

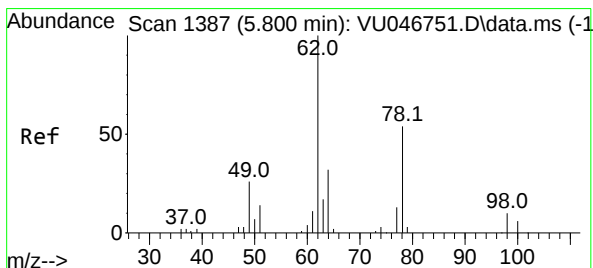
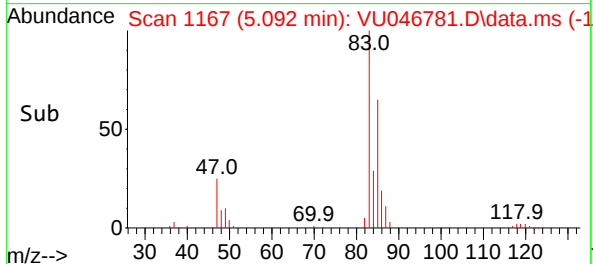
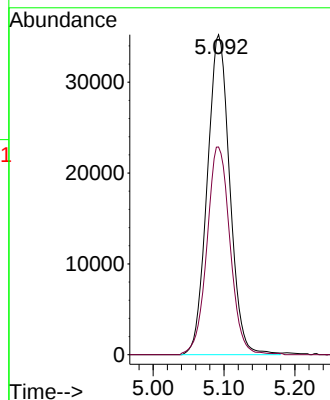
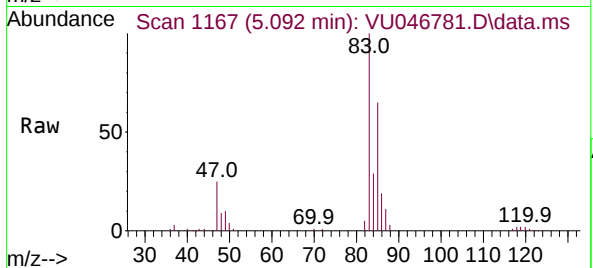
ClientSampleId :

Tgt Ion: 83 Resp: 77816

Ion Ratio Lower Upper

83 100

85 64.9 46.9 87.1



#27

1,2-Dichloroethane

Concen: 5.370 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046781.D

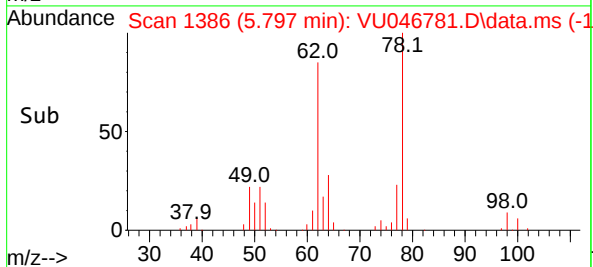
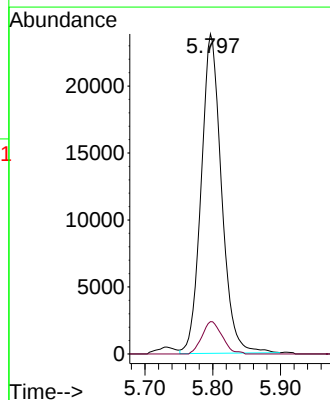
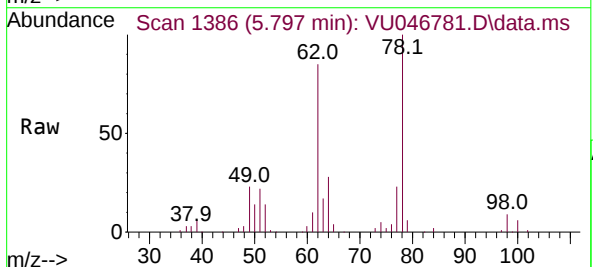
Acq: 18 Jan 2022 14:11

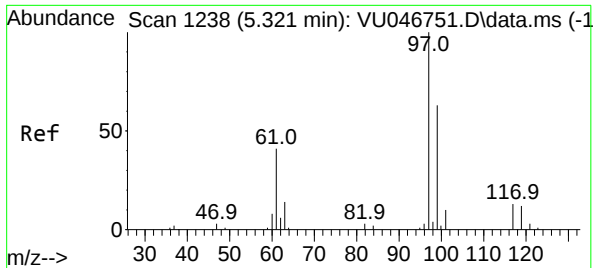
Tgt Ion: 62 Resp: 49691

Ion Ratio Lower Upper

62 100

98 10.1 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.372 ug/L

RT: 5.321 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

ClientSampleId :

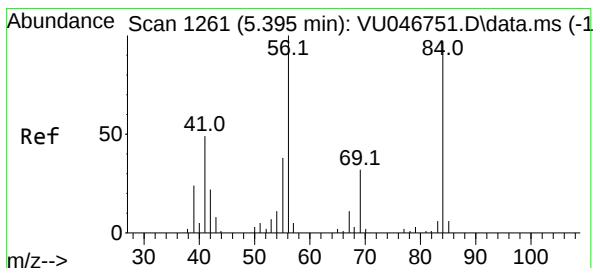
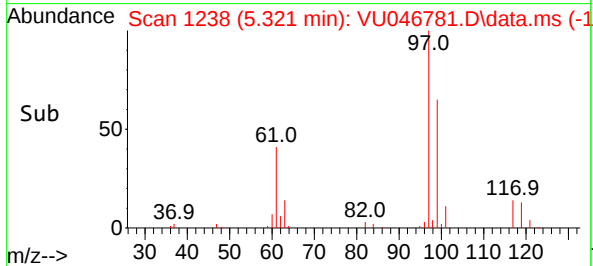
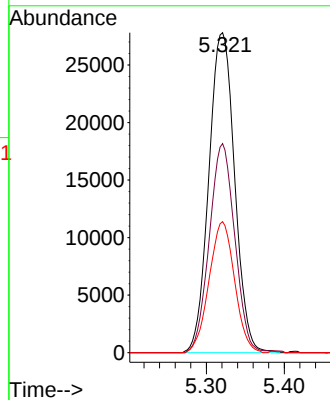
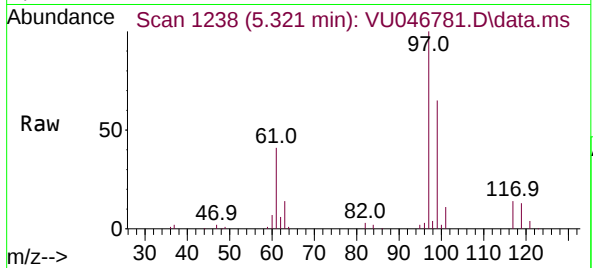
Tgt Ion: 97 Resp: 63916

Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

61 40.5 36.1 54.1



#30

Cyclohexane

Concen: 5.418 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

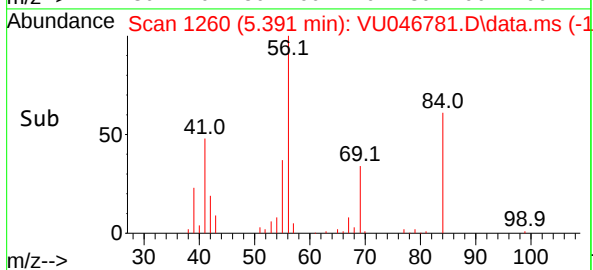
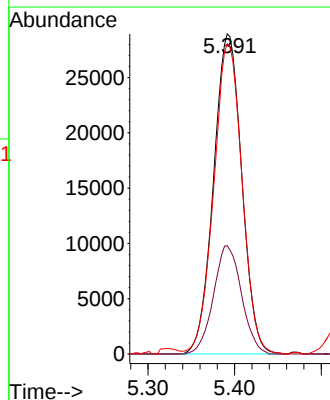
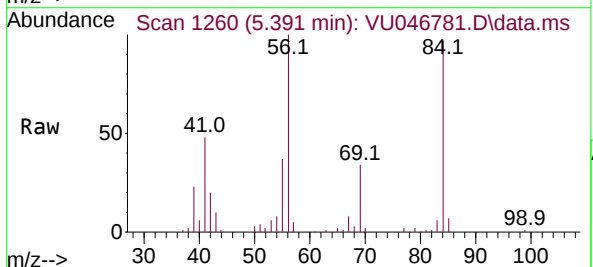
Tgt Ion: 56 Resp: 65388

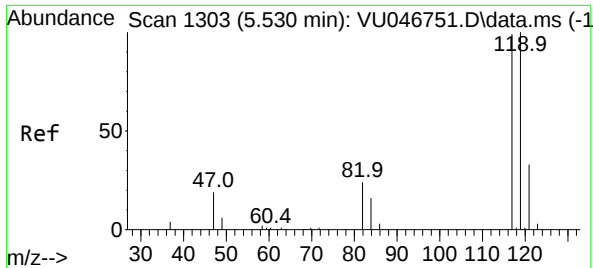
Ion Ratio Lower Upper

56 100

69 33.6 24.7 37.1

84 97.4 71.8 107.6

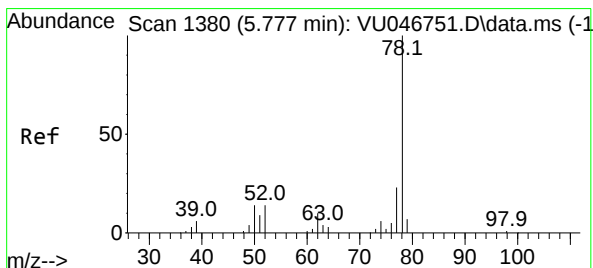
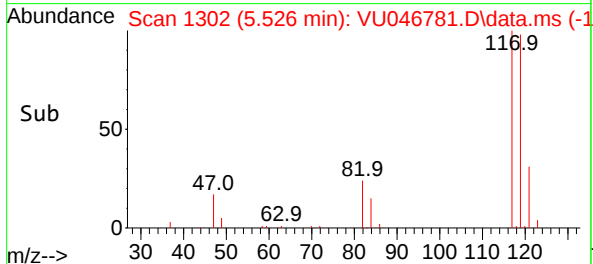
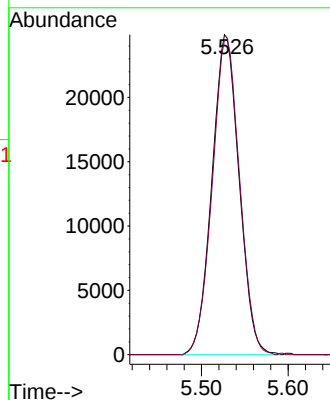
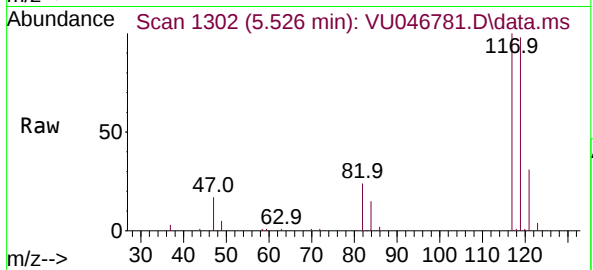




#31  
Carbon tetrachloride  
Concen: 5.310 ug/L  
RT: 5.526 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

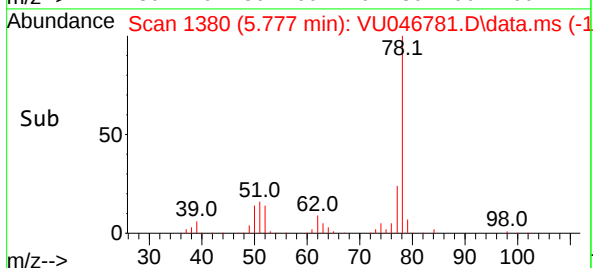
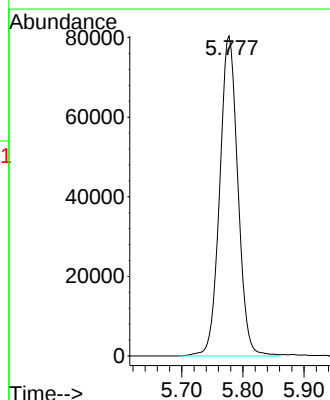
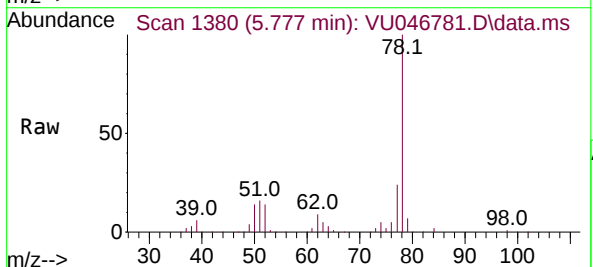
Instrument :  
MSVOA\_U  
ClientSampleId :

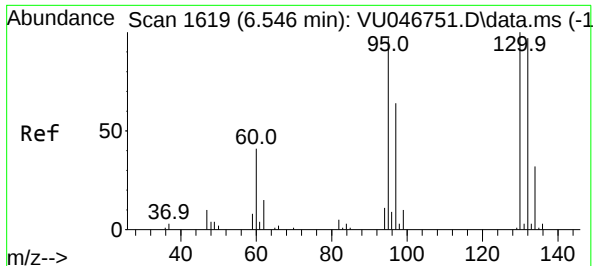
Tgt Ion:117 Resp: 54209  
Ion Ratio Lower Upper  
117 100  
119 99.5 77.5 116.3



#33  
Benzene  
Concen: 5.345 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Tgt Ion: 78 Resp: 166229

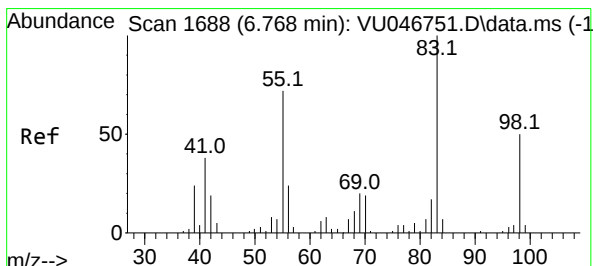
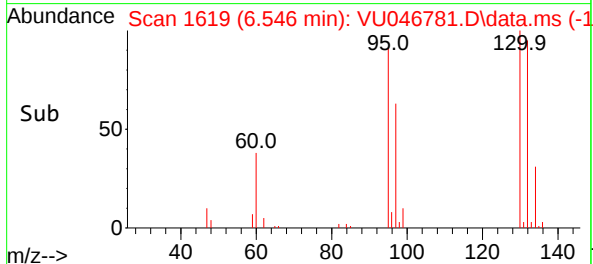
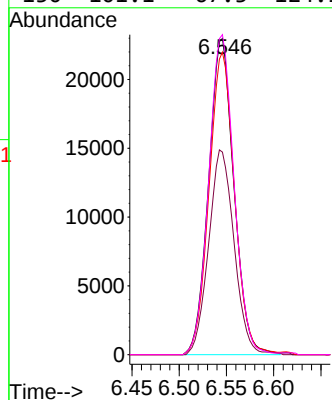
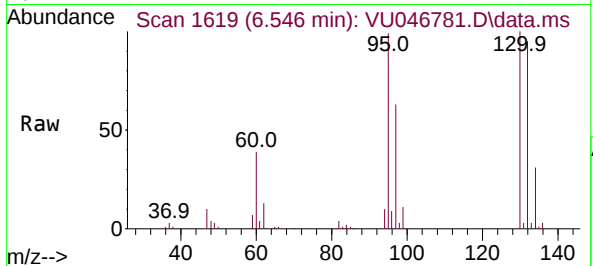




#34  
Trichloroethene  
Concen: 5.304 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

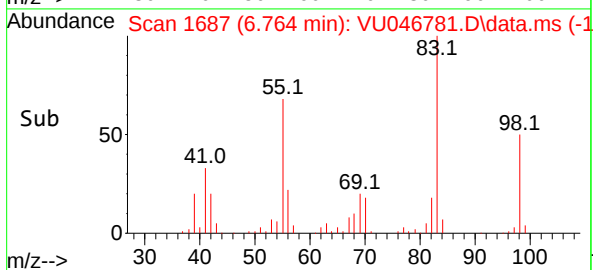
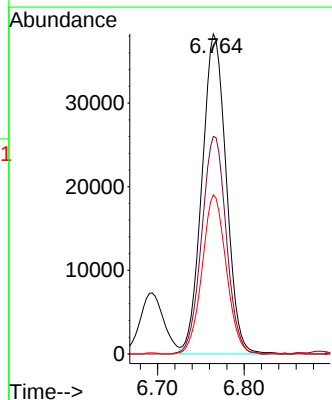
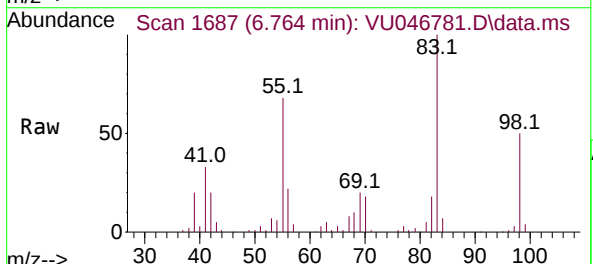
Instrument :  
MSVOA\_U  
ClientSampleId :

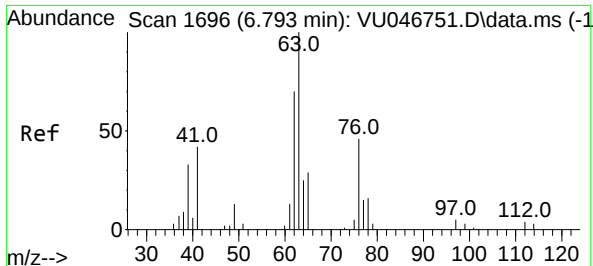
Tgt Ion: 95 Resp: 42833  
Ion Ratio Lower Upper  
95 100  
97 64.0 46.5 86.5  
132 95.6 65.1 120.9  
130 101.1 67.3 124.9



#35  
Methylcyclohexane  
Concen: 5.511 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. -0.003 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Tgt Ion: 83 Resp: 74537  
Ion Ratio Lower Upper  
83 100  
55 68.7 61.9 92.9  
98 49.4 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.352 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

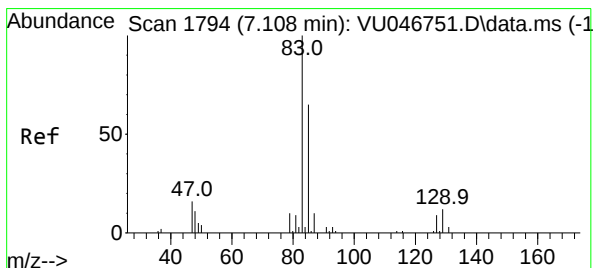
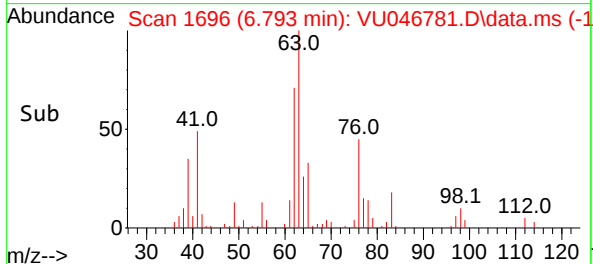
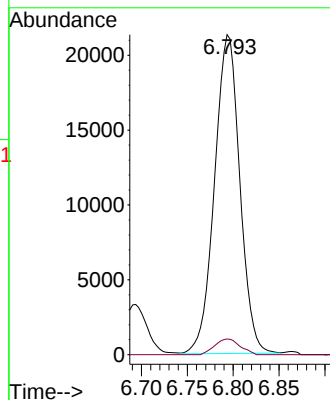
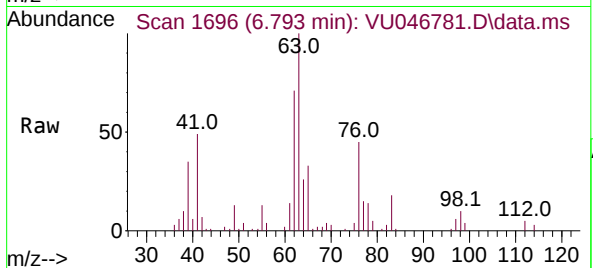
ClientSampleId :

Tgt Ion: 63 Resp: 40831

Ion Ratio Lower Upper

63 100

112 4.9 3.2 4.8#



#38

Bromodichloromethane

Concen: 4.982 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

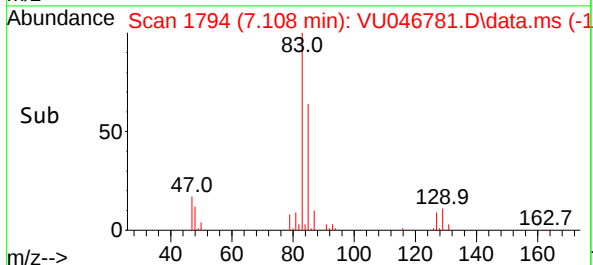
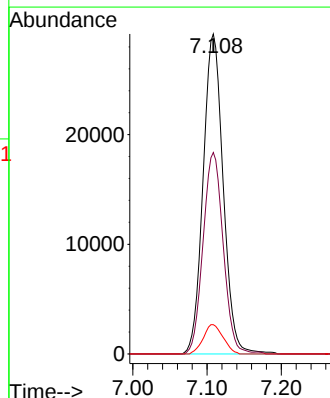
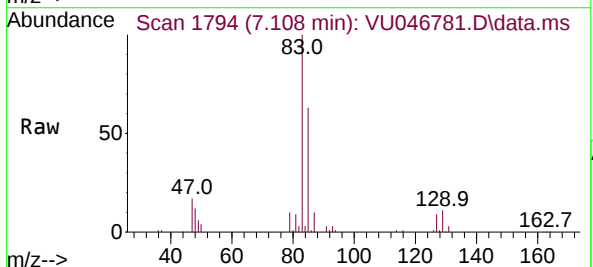
Tgt Ion: 83 Resp: 54699

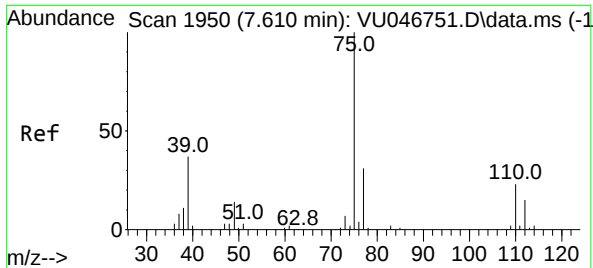
Ion Ratio Lower Upper

83 100

85 62.9 44.0 81.8

127 9.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.455 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

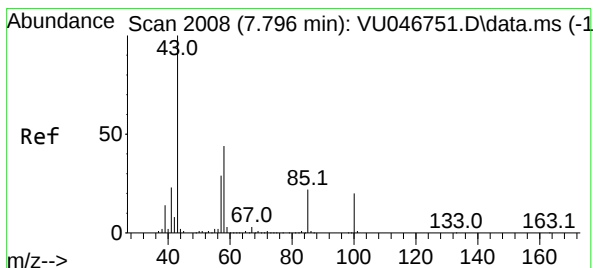
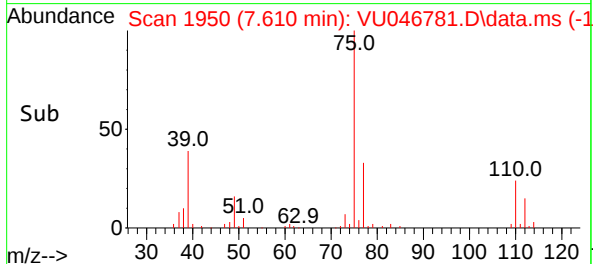
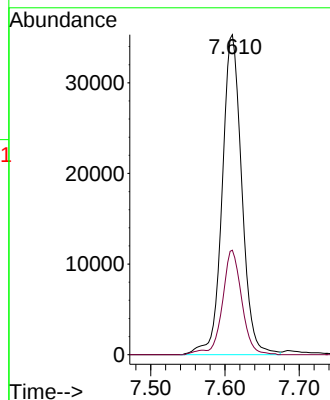
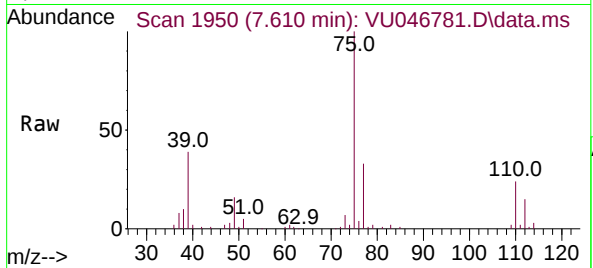
ClientSampleId :

Tgt Ion: 75 Resp: 64934

Ion Ratio Lower Upper

75 100

77 32.6 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 55.801 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

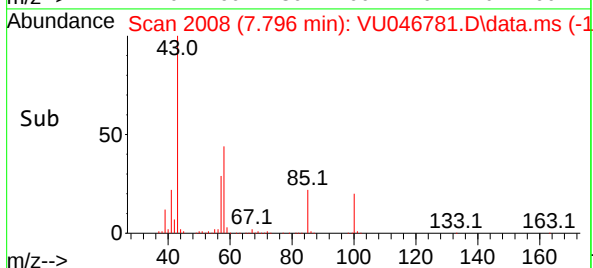
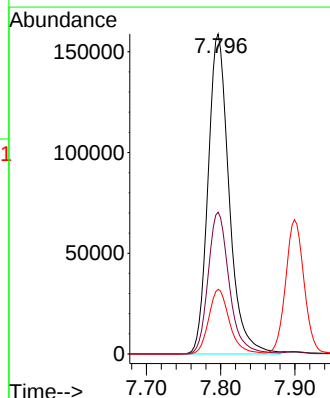
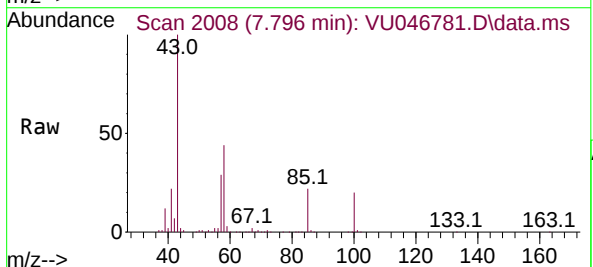
Tgt Ion: 43 Resp: 312111

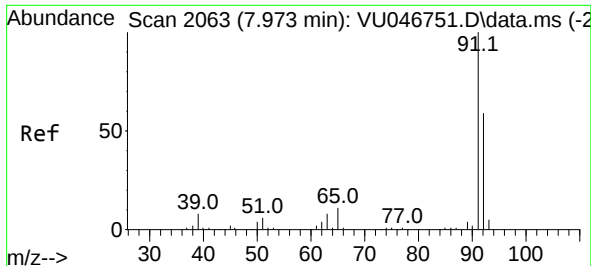
Ion Ratio Lower Upper

43 100

58 44.6 33.1 49.7

100 19.9 13.2 19.8#





#42

Toluene

Concen: 5.170 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

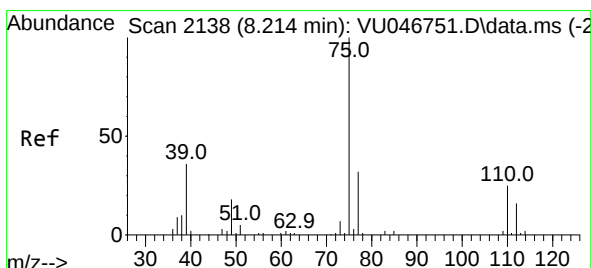
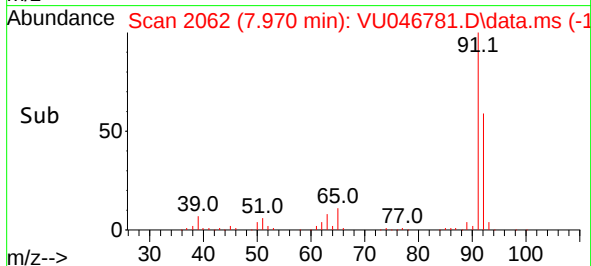
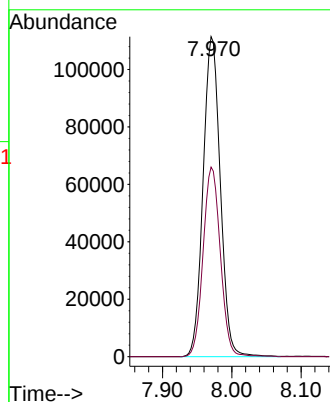
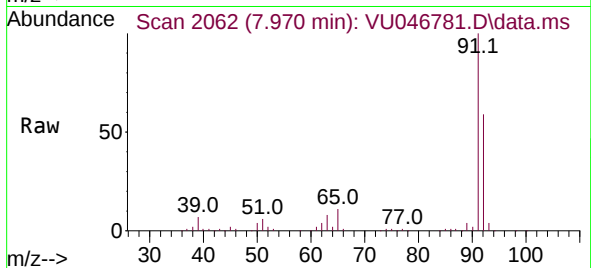
ClientSampleId :

Tgt Ion: 91 Resp: 192168

Ion Ratio Lower Upper

91 100

92 59.3 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 5.461 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU046781.D

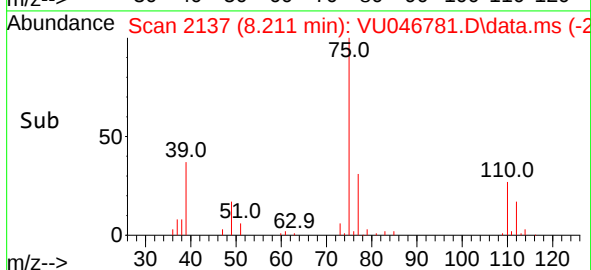
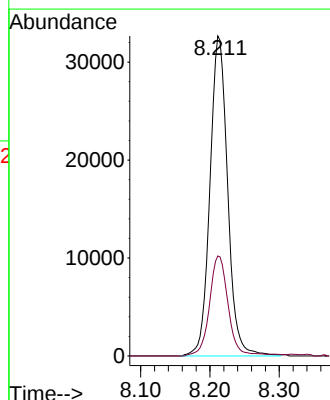
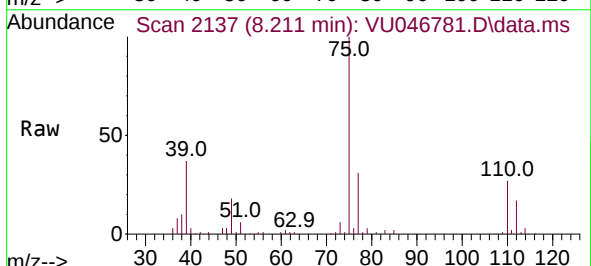
Acq: 18 Jan 2022 14:11

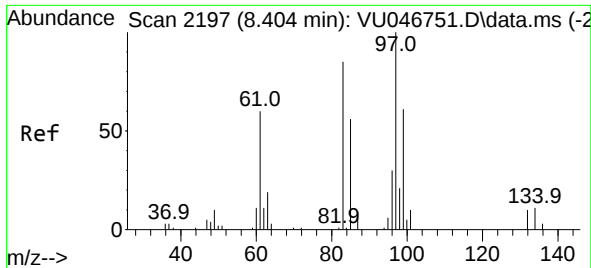
Tgt Ion: 75 Resp: 57912

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.3

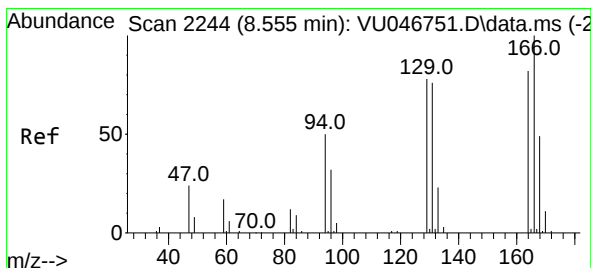
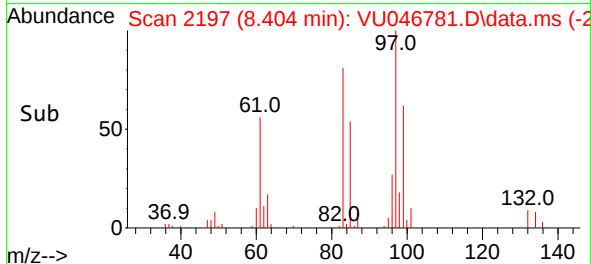
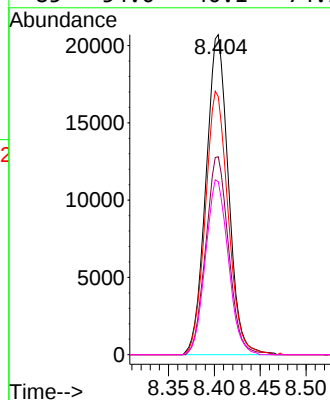
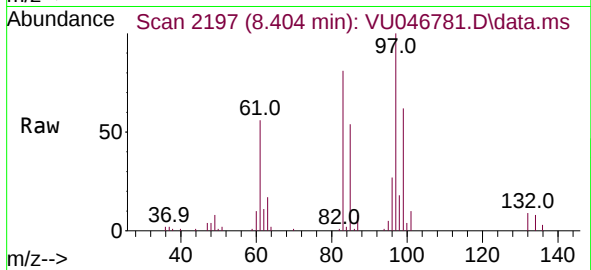




#45  
1,1,2-Trichloroethane  
Concen: 5.438 ug/L  
RT: 8.404 min Scan# 2197  
Delta R.T. 0.003 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

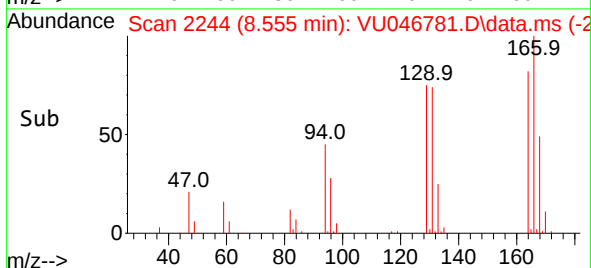
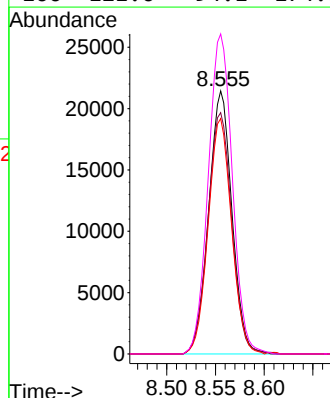
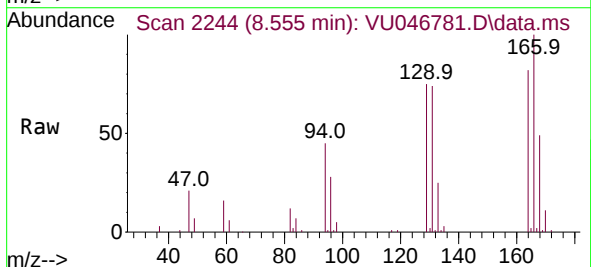
Instrument :  
MSVOA\_U  
ClientSampleId :

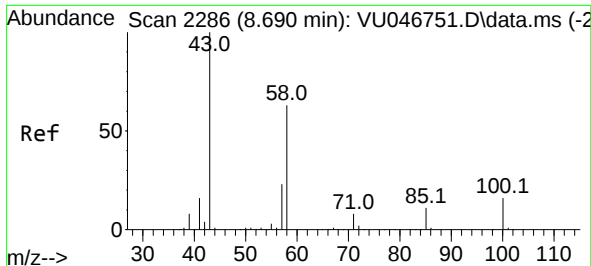
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 35299 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 61.9     | 42.3 78.5   |
| 83 80.6     | 62.0 115.2  |
| 85 54.0     | 40.1 74.5   |



#47  
Tetrachloroethene  
Concen: 5.433 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 35679 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 91.7    | 71.8  | 133.4 |
| 131 | 89.4    | 68.5  | 127.3 |
| 166 | 121.6   | 94.1  | 174.8 |



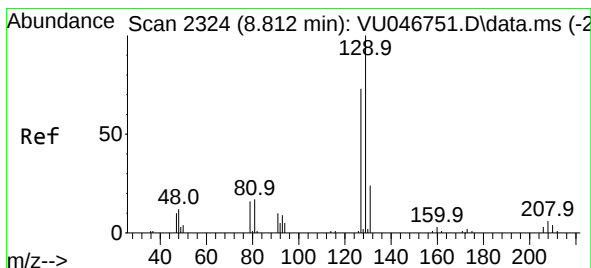
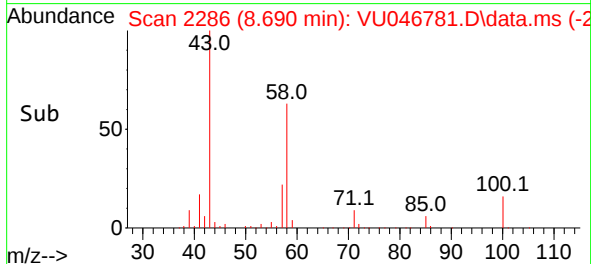
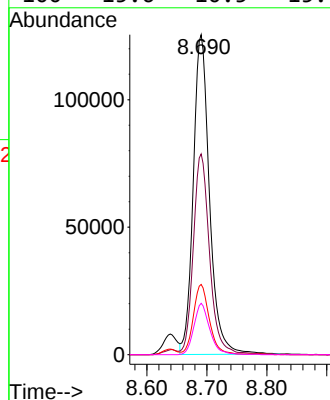
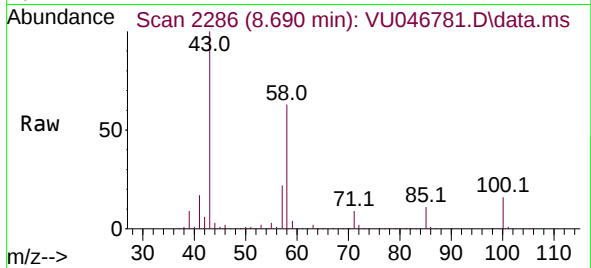


#48  
2-Hexanone  
Concen: 56.108 ug/L  
RT: 8.690 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 43 Resp: 236882

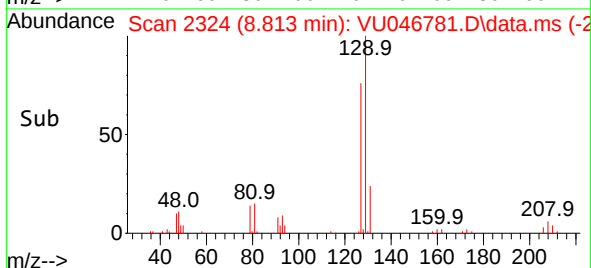
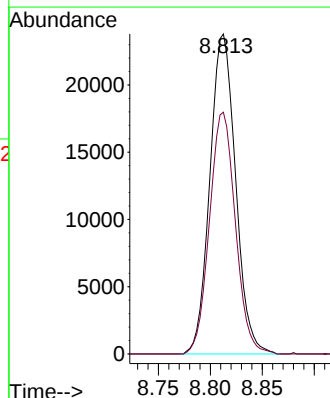
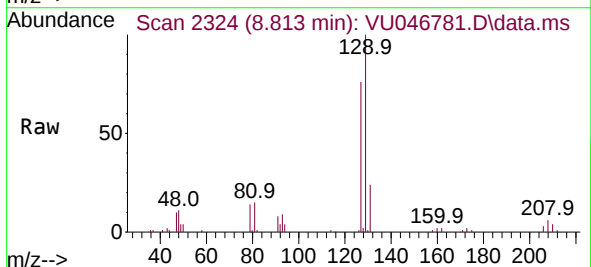
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 63.2  | 46.7  | 70.1  |
| 57  | 21.3  | 16.3  | 24.5  |
| 100 | 15.6  | 10.5  | 15.7  |

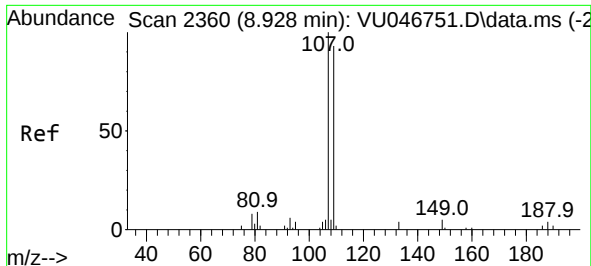


#49  
Dibromochloromethane  
Concen: 5.353 ug/L  
RT: 8.813 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Tgt Ion: 129 Resp: 40990

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 75.6  | 55.4  | 102.8 |





#50

1,2-Dibromoethane

Concen: 5.364 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

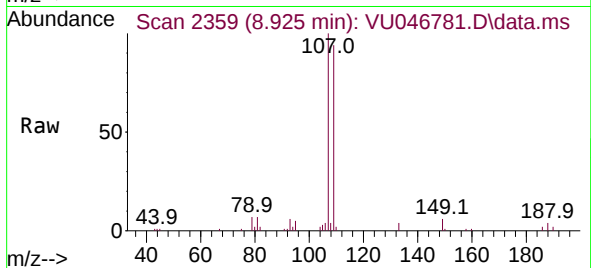
Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

ClientSampleId :



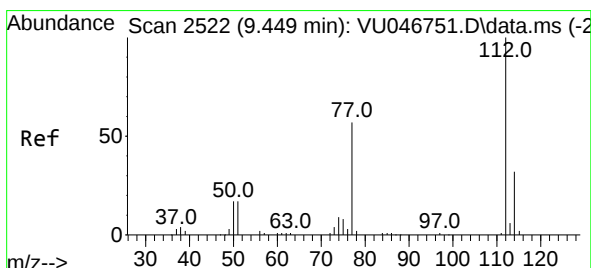
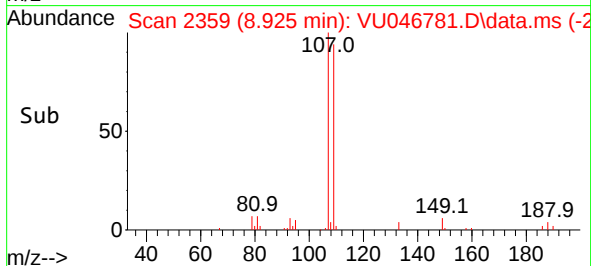
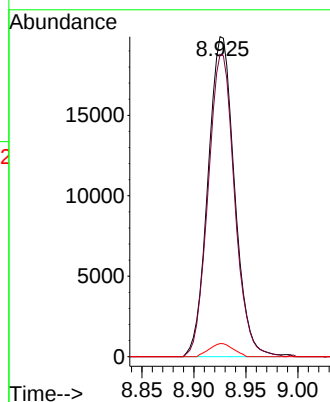
Tgt Ion:107 Resp: 35289

Ion Ratio Lower Upper

107 100

109 94.5 64.0 119.0

188 4.1 2.4 3.6#



#51

Chlorobenzene

Concen: 5.379 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

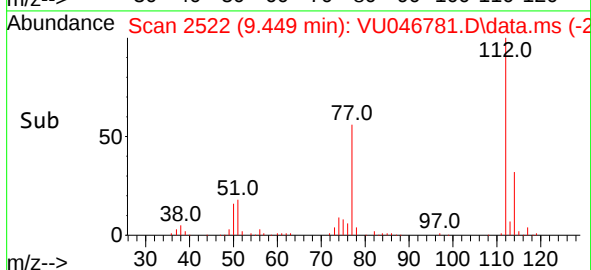
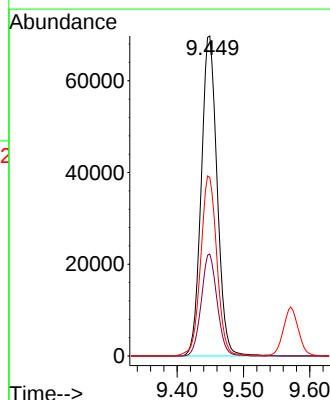
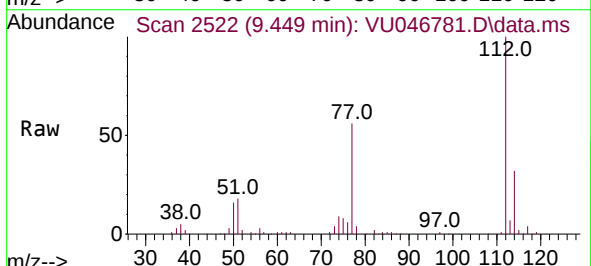
Tgt Ion:112 Resp: 116119

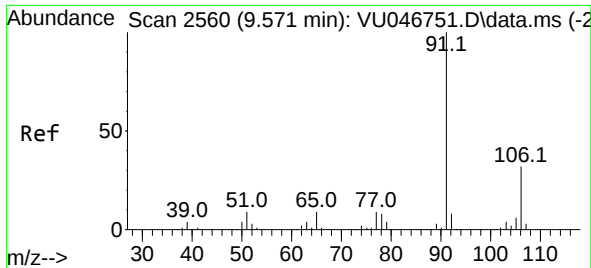
Ion Ratio Lower Upper

112 100

114 31.8 22.1 41.1

77 55.8 48.3 72.5

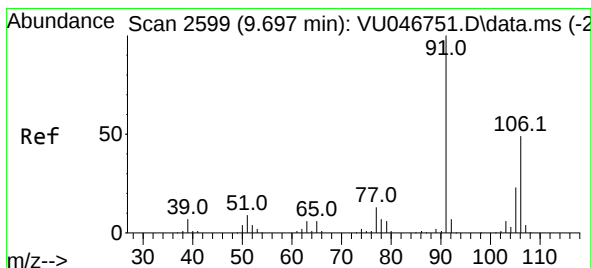
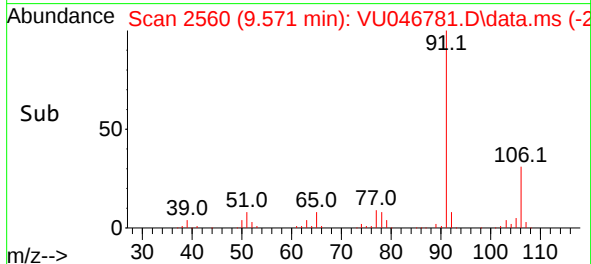
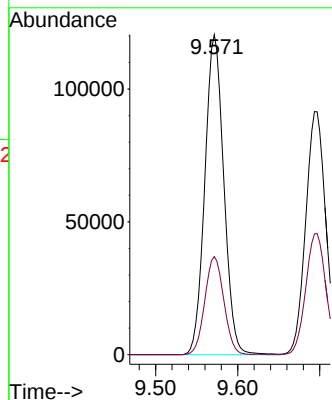
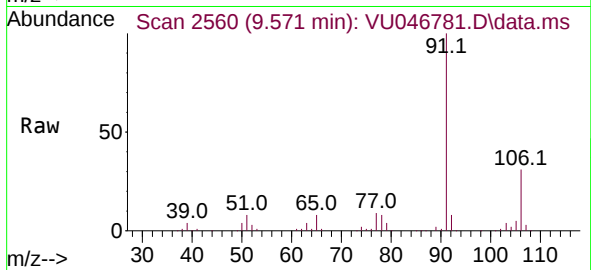




#52  
Ethylbenzene  
Concen: 5.466 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

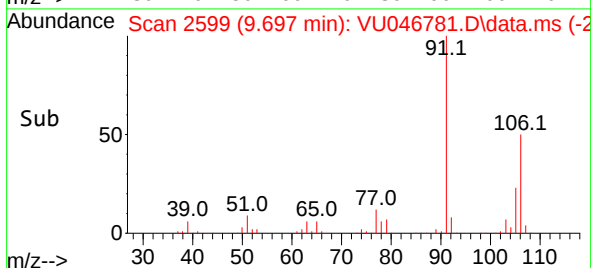
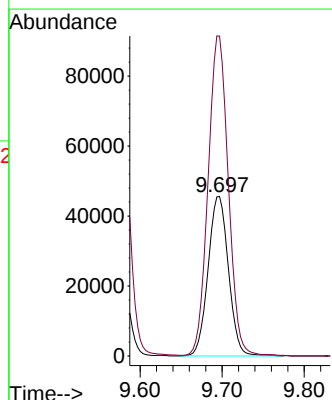
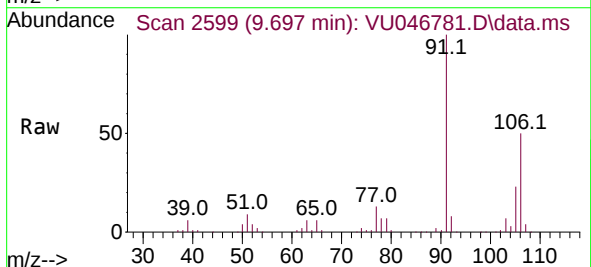
Instrument :  
MSVOA\_U  
ClientSampleId :

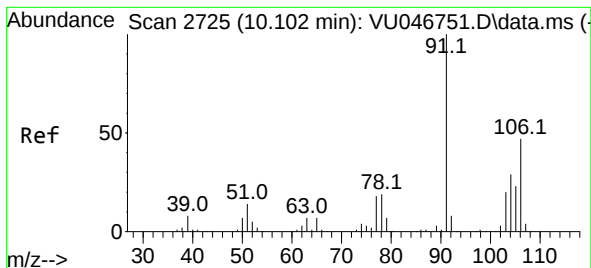
Tgt Ion: 91 Resp: 193187  
Ion Ratio Lower Upper  
91 100  
106 30.7 21.5 39.9



#53  
m,p-Xylene  
Concen: 5.565 ug/L  
RT: 9.697 min Scan# 2599  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Tgt Ion:106 Resp: 78405  
Ion Ratio Lower Upper  
106 100  
91 200.5 139.4 259.0





#54

o-Xylene

Concen: 5.566 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

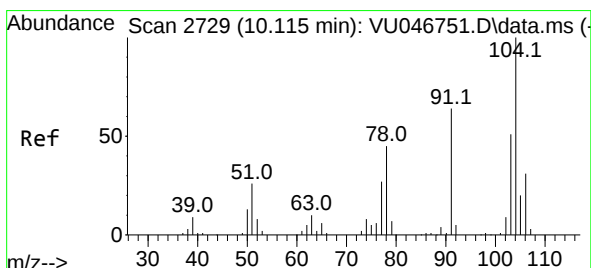
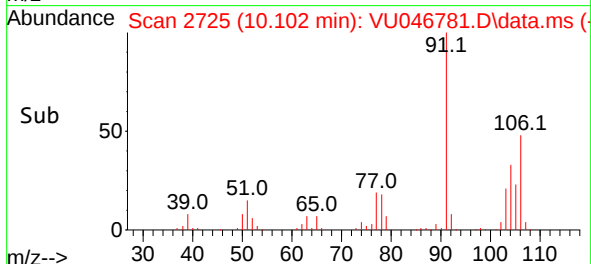
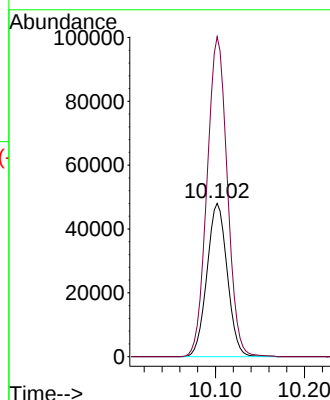
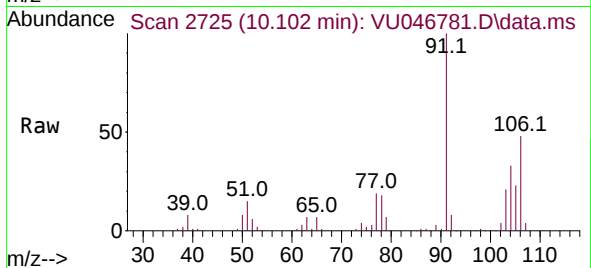
ClientSampleId :

Tgt Ion:106 Resp: 76015

Ion Ratio Lower Upper

106 100

91 208.8 147.5 273.9



#55

Styrene

Concen: 5.703 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU046781.D

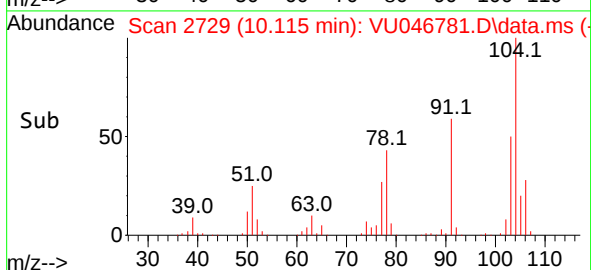
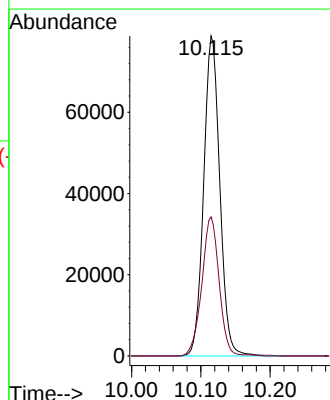
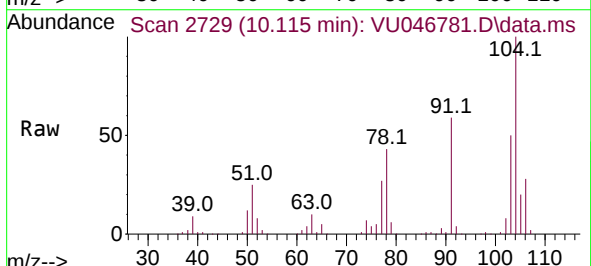
Acq: 18 Jan 2022 14:11

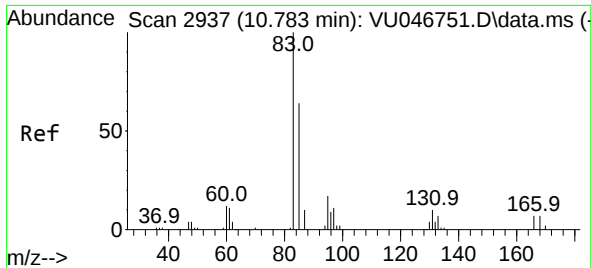
Tgt Ion:104 Resp: 127404

Ion Ratio Lower Upper

104 100

78 43.5 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.479 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

ClientSampleId :

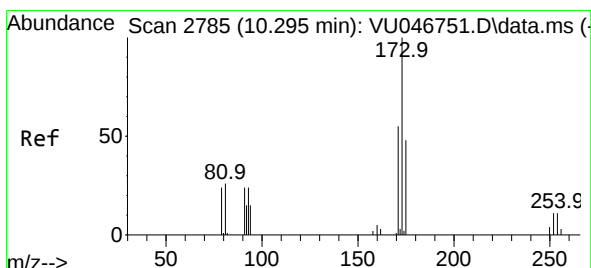
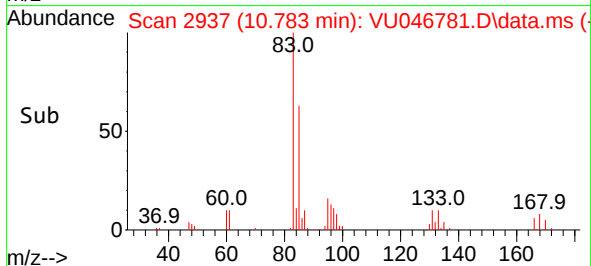
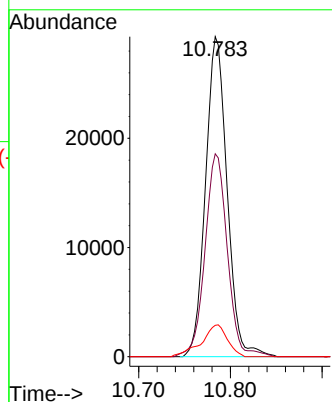
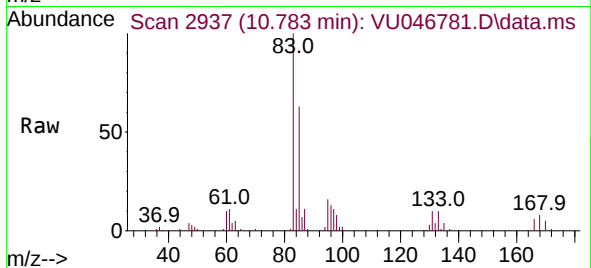
Tgt Ion: 83 Resp: 47831

Ion Ratio Lower Upper

83 100

85 63.4 47.9 89.1

131 9.8 8.1 12.1



#59

Bromoform

Concen: 5.256 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. 0.003 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

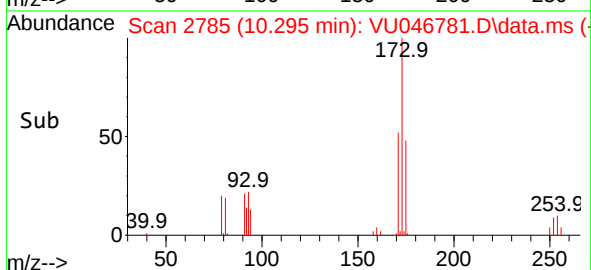
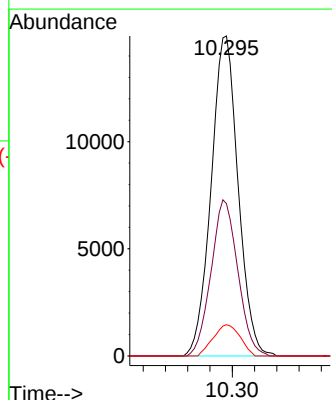
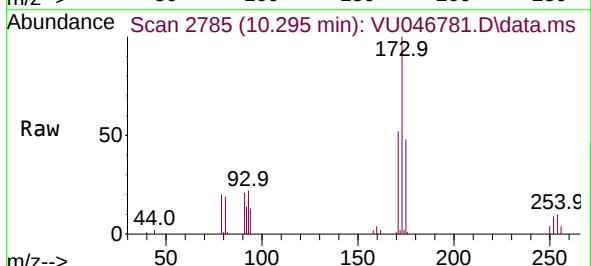
Tgt Ion:173 Resp: 25123

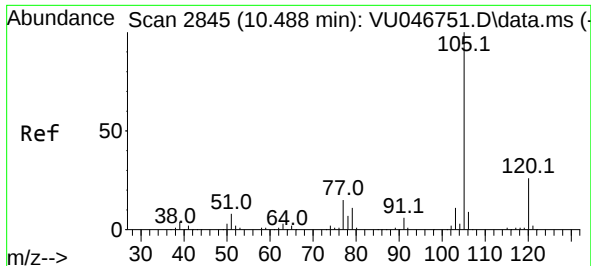
Ion Ratio Lower Upper

173 100

175 48.3 37.8 56.6

254 9.7 7.3 10.9

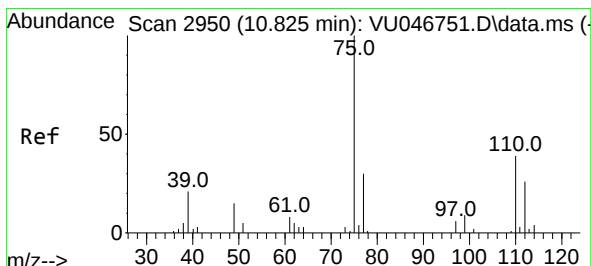
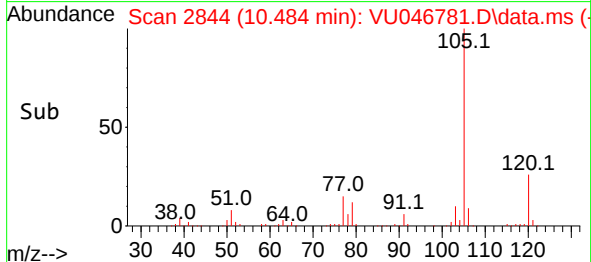
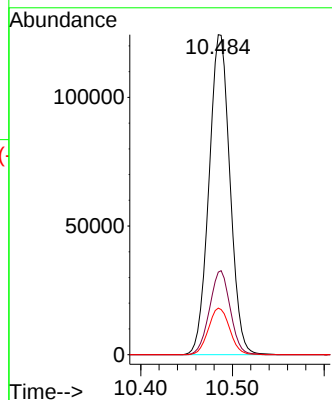
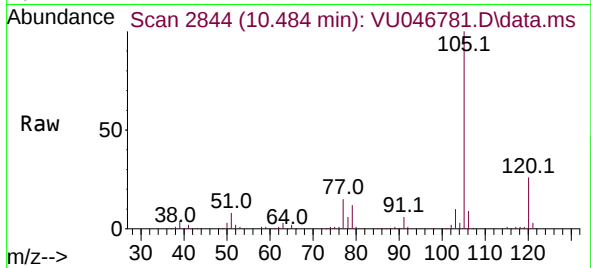




#60  
Isopropylbenzene  
Concen: 5.465 ug/L  
RT: 10.484 min Scan# 2845  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

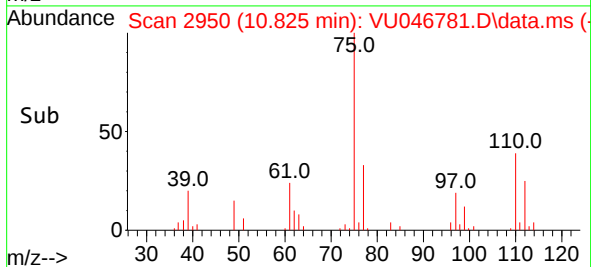
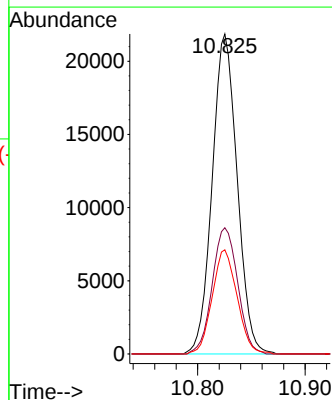
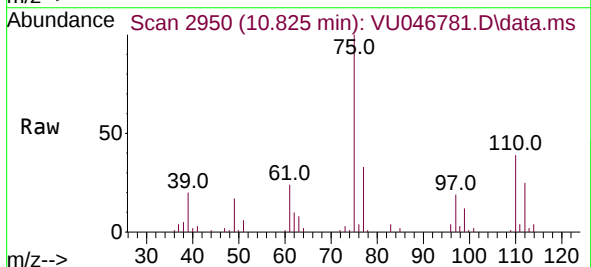
Instrument :  
MSVOA\_U  
ClientSampleId :

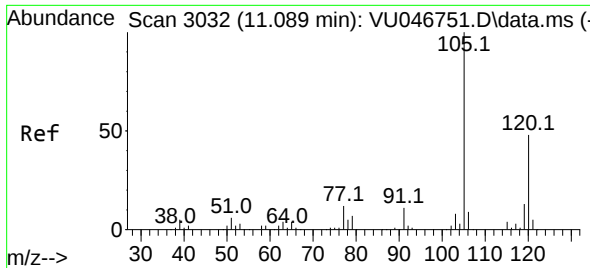
Tgt Ion:105 Resp: 197602  
Ion Ratio Lower Upper  
105 100  
120 26.0 20.7 31.1  
77 14.7 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 5.365 ug/L  
RT: 10.825 min Scan# 2950  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Tgt Ion: 75 Resp: 35287  
Ion Ratio Lower Upper  
75 100  
110 40.3 29.9 44.9  
77 32.5 25.5 38.3

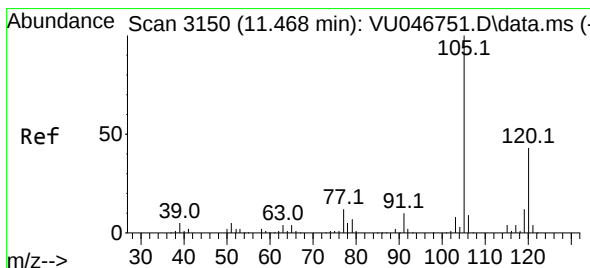
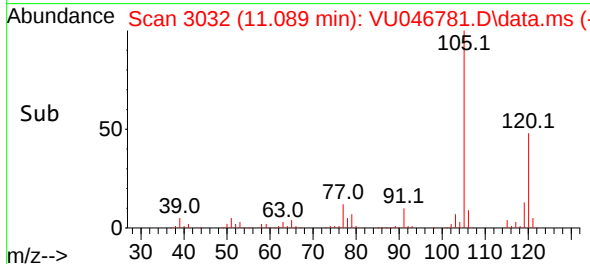
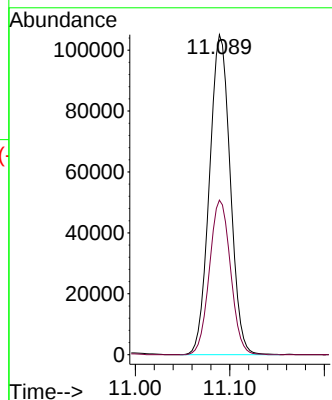
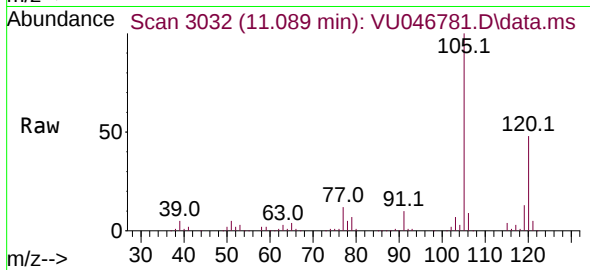




#62  
 1,3,5-Trimethylbenzene  
 Concen: 5.414 ug/L  
 RT: 11.089 min Scan# 3032  
 Delta R.T. 0.000 min  
 Lab File: VU046781.D  
 Acq: 18 Jan 2022 14:11

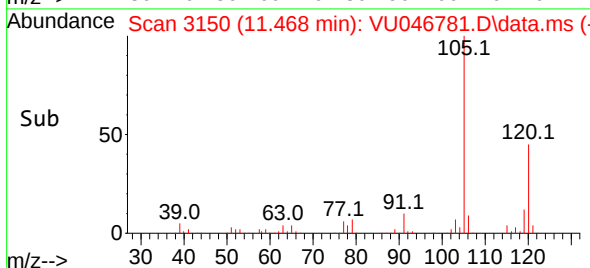
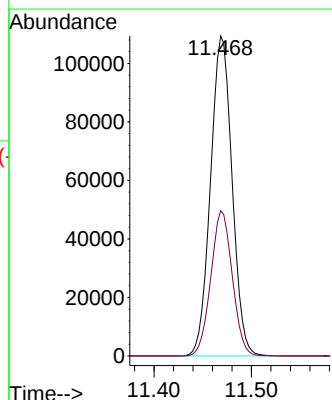
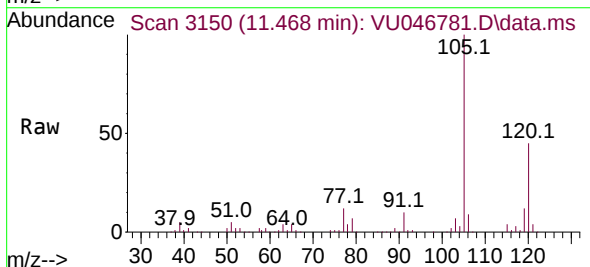
Instrument :  
 MSVOA\_U  
 ClientSampleId :

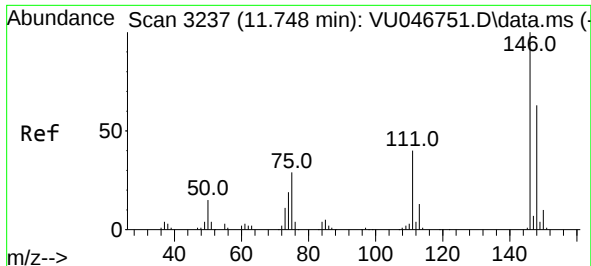
Tgt Ion:105 Resp: 160675  
 Ion Ratio Lower Upper  
 105 100  
 120 48.9 38.3 57.5



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.507 ug/L  
 RT: 11.468 min Scan# 3150  
 Delta R.T. 0.000 min  
 Lab File: VU046781.D  
 Acq: 18 Jan 2022 14:11

Tgt Ion:105 Resp: 168195  
 Ion Ratio Lower Upper  
 105 100  
 120 45.1 35.8 53.8

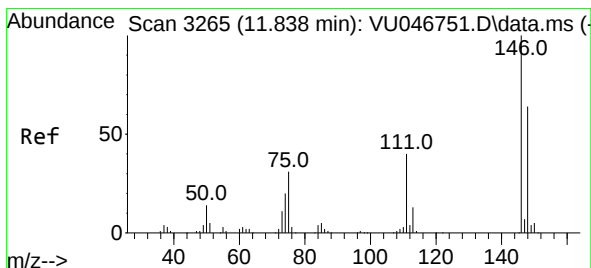
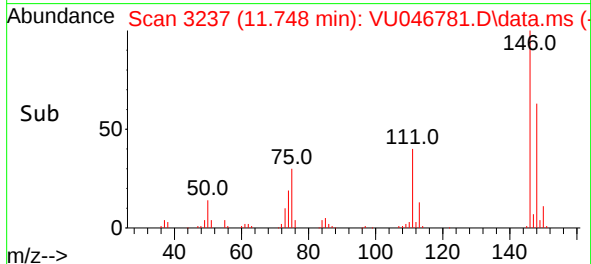
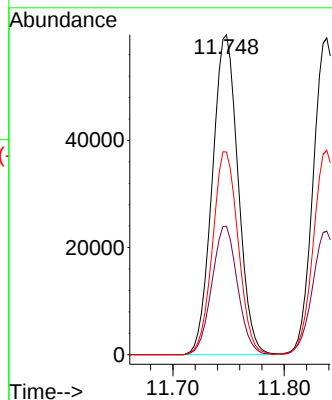
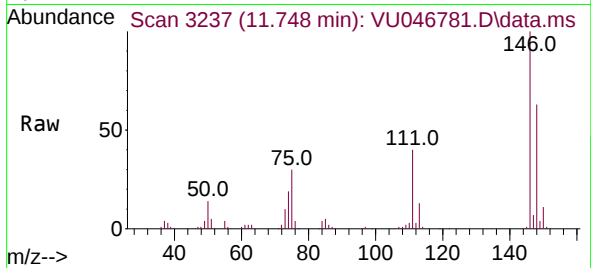




#64  
1,3-Dichlorobenzene  
Concen: 5.326 ug/L  
RT: 11.748 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

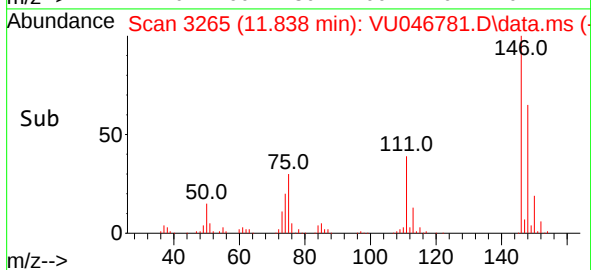
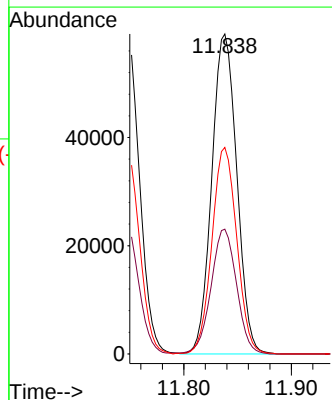
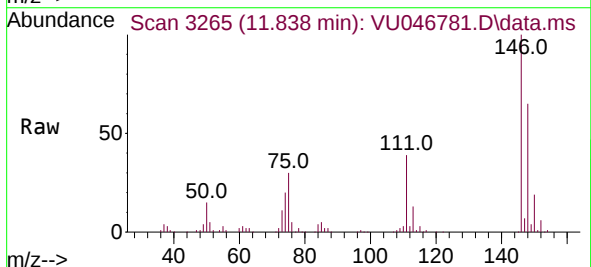
Instrument :  
MSVOA\_U  
ClientSampleId :

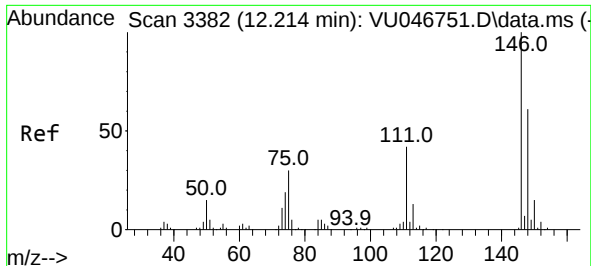
Tgt Ion:146 Resp: 96262  
Ion Ratio Lower Upper  
146 100  
111 40.1 29.9 55.5  
148 63.4 44.3 82.3



#65  
1,4-Dichlorobenzene  
Concen: 5.260 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Tgt Ion:146 Resp: 95670  
Ion Ratio Lower Upper  
146 100  
111 39.0 28.7 53.3  
148 64.6 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 5.275 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

Instrument :

MSVOA\_U

ClientSampleId :

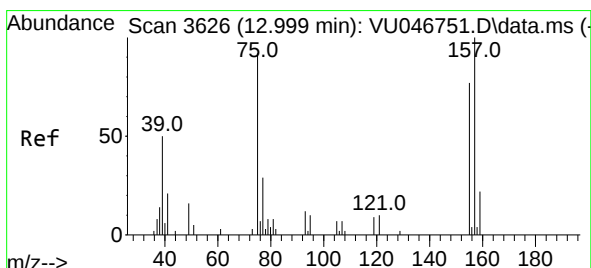
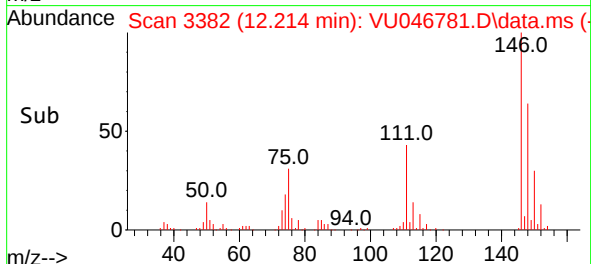
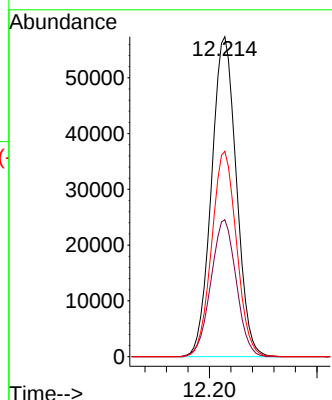
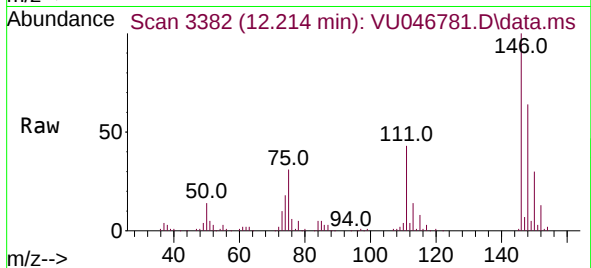
Tgt Ion:146 Resp: 92218

Ion Ratio Lower Upper

146 100

111 42.8 35.4 53.0

148 64.2 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.340 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU046781.D

Acq: 18 Jan 2022 14:11

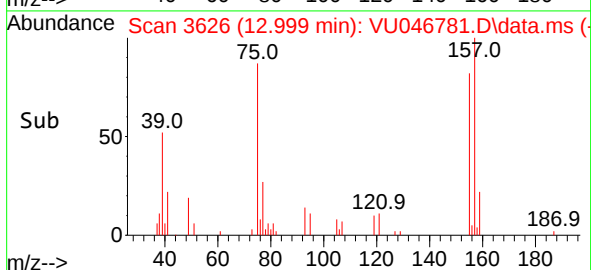
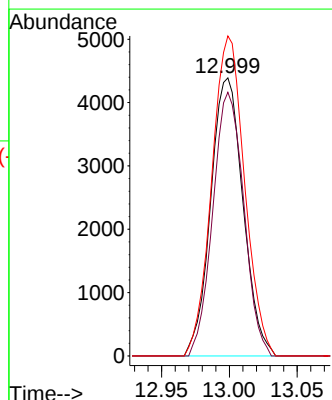
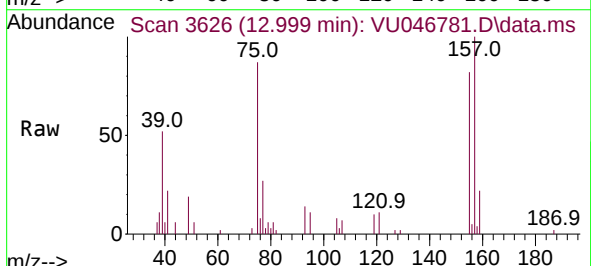
Tgt Ion: 75 Resp: 7290

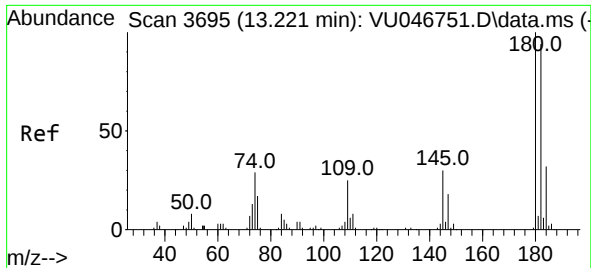
Ion Ratio Lower Upper

75 100

155 94.8 59.2 88.8#

157 115.1 76.5 114.7#



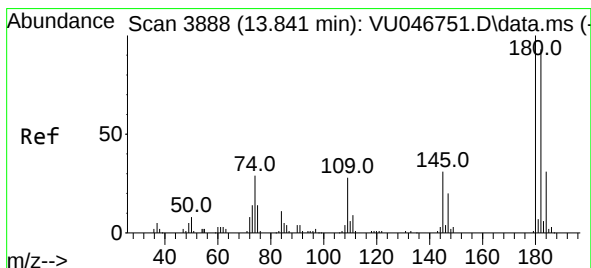
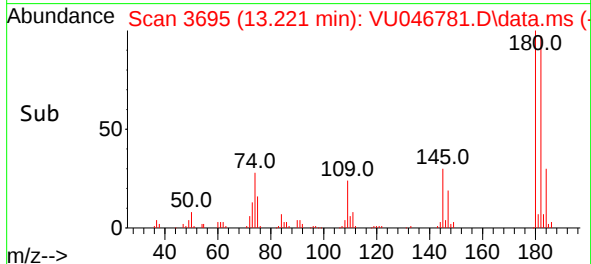
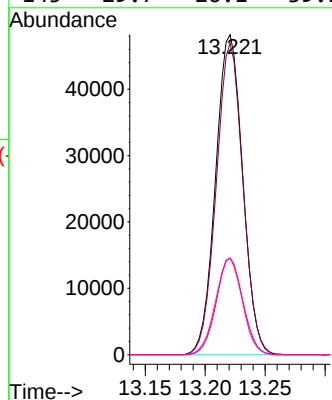
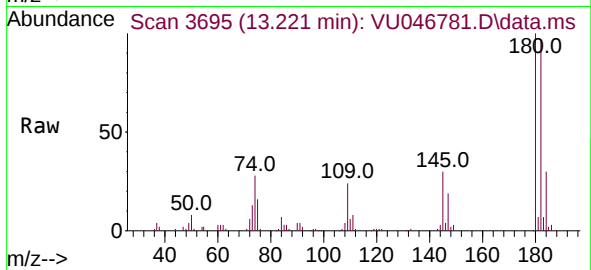


#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.307 ug/L  
 RT: 13.221 min Scan# 3695  
 Delta R.T. 0.000 min  
 Lab File: VU046781.D  
 Acq: 18 Jan 2022 14:11

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tgt Ion:180 Resp: 75631

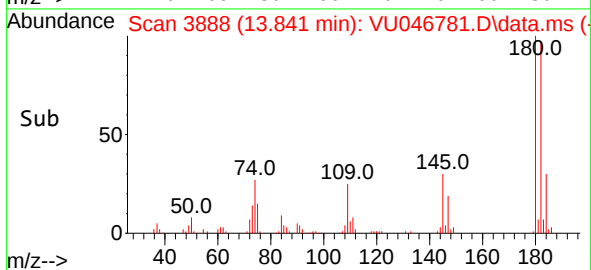
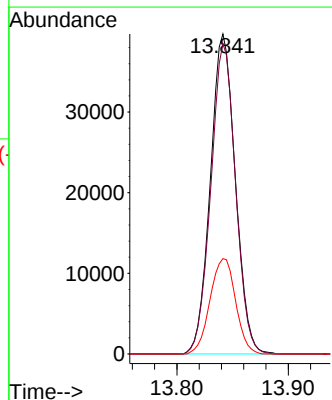
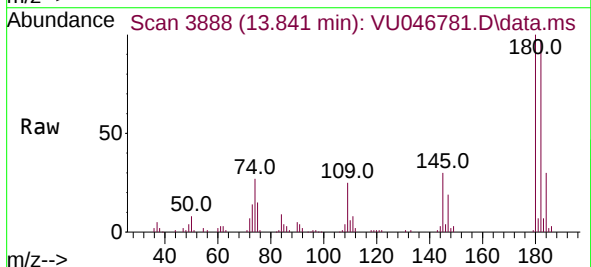
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.5  | 76.1  | 114.1 |
| 184 | 29.6  | 25.0  | 37.4  |
| 145 | 29.7  | 26.1  | 39.1  |

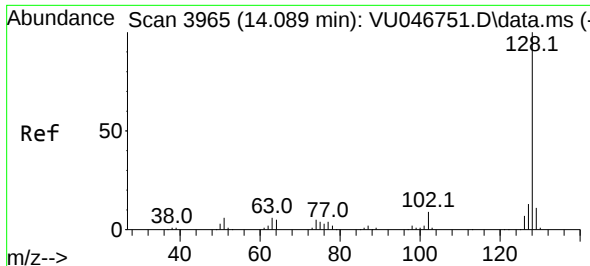


#70  
 1,2,4-trichlorobenzene  
 Concen: 5.179 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. 0.000 min  
 Lab File: VU046781.D  
 Acq: 18 Jan 2022 14:11

Tgt Ion:180 Resp: 61702

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.9  | 76.4  | 114.6 |
| 145 | 30.5  | 25.6  | 38.4  |

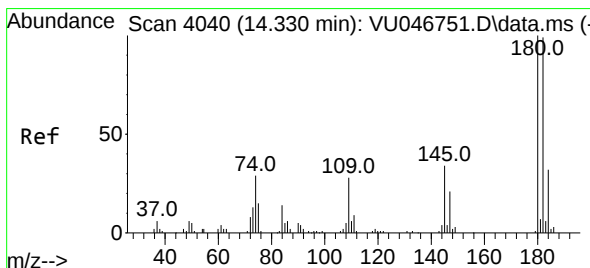
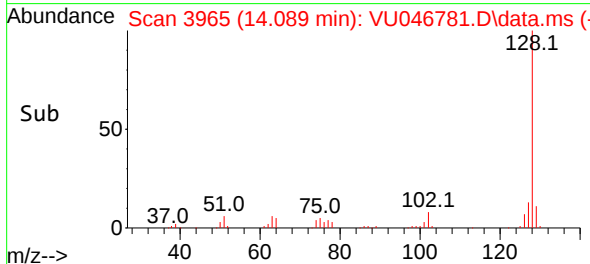
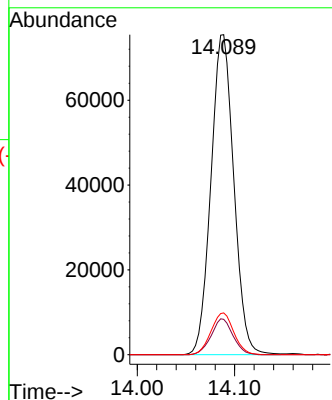
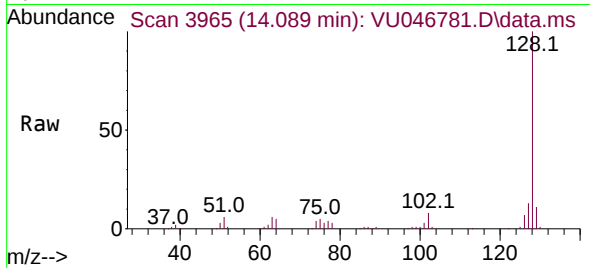




#71  
Naphthalene  
Concen: 5.065 ug/L  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.003 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 122840  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.4 12.6  
127 13.0 10.2 15.2



#72  
1,2,3-Trichlorobenzene  
Concen: 5.250 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU046781.D  
Acq: 18 Jan 2022 14:11

Tgt Ion:180 Resp: 59075  
Ion Ratio Lower Upper  
180 100  
182 95.3 76.2 114.4  
145 32.5 28.4 42.6

