

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121121\  
 Data File : VU046300.D  
 Acq On : 11 Dec 2021 20:20  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 12 04:08:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 159493   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 165401   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815  | 152   | 95488    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 51437    | 39.151   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 78.300%  |
| 7) Chloroethane-d5            | 1.915   | 69    | 41355    | 40.997   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 82.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.575   | 63    | 99437    | 42.160   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.320%  |
| 21) 2-Butanone-d5             | 4.636   | 46    | 118348   | 113.314  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 113.310% |
| 24) Chloroform-d              | 5.070   | 84    | 108490   | 49.448   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.900%  |
| 26) 1,2-Dichloroethane-d4     | 5.706   | 65    | 76041    | 51.643   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.280% |
| 32) Benzene-d6                | 5.732   | 84    | 221868   | 46.801   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.693   | 67    | 72078    | 49.059   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 98.120%  |
| 41) Toluene-d8                | 7.899   | 98    | 200072   | 46.352   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.700%  |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 35147    | 49.556   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 99.120%  |
| 47) 2-Hexanone-d5             | 8.635   | 63    | 87624    | 125.786  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 125.790% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 126978   | 56.989   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 113.980% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 86219    | 46.885   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.780%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 73678    | 42.460   | ug/L   | 100      |
| 3) Chloromethane              | 1.520   | 50    | 65461    | 42.177   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.607   | 62    | 69619    | 44.486   | ug/L   | 100      |
| 6) Bromomethane               | 1.861   | 94    | 43093    | 48.583   | ug/L   | 98       |
| 8) Chloroethane               | 1.938   | 64    | 40285    | 44.459   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.141   | 101   | 102187   | 50.015   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584   | 101   | 59480    | 51.252   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.584   | 96    | 54060    | 49.021   | ug/L   | 89       |
| 13) Acetone                   | 2.652   | 43    | 77102    | 59.068   | ug/L   | 94       |
| 14) Carbon disulfide          | 2.796   | 76    | 136468   | 39.886   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.957   | 43    | 72668    | 47.756   | ug/L   | 97       |
| 16) Methylene chloride        | 3.050   | 84    | 74733    | 56.958   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 3.359   | 96    | 58084    | 49.770   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.369   | 73    | 197668   | 54.959   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.874   | 63    | 117775   | 55.503   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.671   | 96    | 69201    | 54.647   | ug/L   | 99       |
| 22) 2-Butanone                | 4.716   | 43    | 117427   | 82.640   | ug/L   | 96       |
| 23) Bromochloromethane        | 4.980   | 128   | 37130    | 58.055   | ug/L   | 93       |
| 25) Chloroform                | 5.092   | 83    | 137394   | 58.276   | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121121\  
 Data File : VU046300.D  
 Acq On : 11 Dec 2021 20:20  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

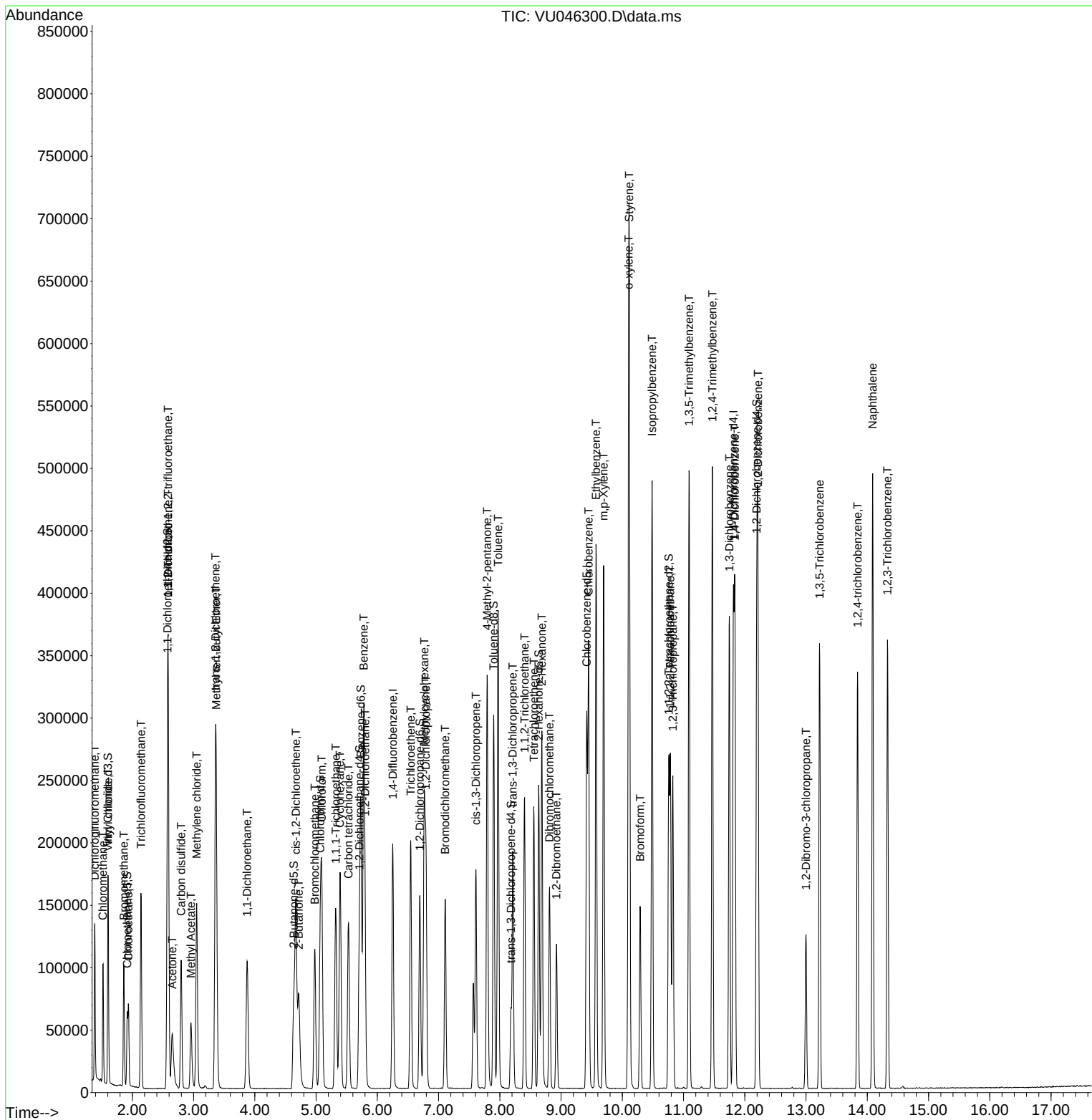
Instrument :  
 MSVOA\_U  
 ClientSampleId :

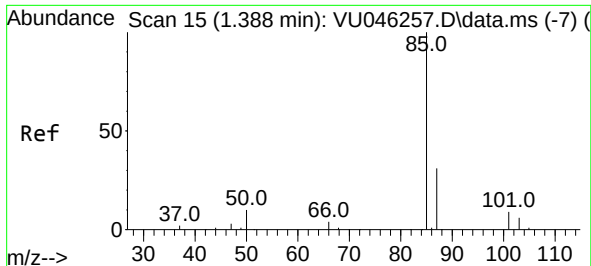
Quant Time: Dec 12 04:08:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.800  | 62   | 96812    | 55.336  | ug/L   | 100      |
| 29) Cyclohexane               | 5.391  | 56   | 85700    | 44.497  | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 5.320  | 97   | 106346   | 52.379  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.529  | 117  | 94464    | 54.805  | ug/L   | 99       |
| 33) Benzene                   | 5.777  | 78   | 257877   | 51.513  | ug/L   | 100      |
| 34) Trichloroethene           | 6.545  | 95   | 66466    | 50.399  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.767  | 83   | 92974    | 45.467  | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 70465    | 53.734  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 100204   | 57.489  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 104984   | 52.624  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 210455   | 109.229 | ug/L   | 100      |
| 42) Toluene                   | 7.973  | 91   | 282177   | 52.531  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 104614   | 53.391  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 73683    | 56.005  | ug/L   | 99       |
| 46) Tetrachloroethene         | 8.555  | 164  | 49398    | 50.970  | ug/L   | 99       |
| 48) 2-Hexanone                | 8.687  | 43   | 168739   | 97.927  | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.812  | 129  | 83910    | 60.735  | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 74476    | 52.213  | ug/L # | 98       |
| 51) Chlorobenzene             | 9.449  | 112  | 185675   | 53.429  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 308498   | 53.364  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.696  | 106  | 122430   | 54.304  | ug/L   | 98       |
| 54) o-xylene                  | 10.102 | 106  | 118495   | 54.166  | ug/L   | 98       |
| 55) Styrene                   | 10.114 | 104  | 216544   | 57.978  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 127268   | 56.423  | ug/L   | 100      |
| 59) Bromoform                 | 10.291 | 173  | 64291    | 57.393  | ug/L   | 99       |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 106584   | 50.920  | ug/L   | 98       |
| 61) Isopropylbenzene          | 10.487 | 105  | 314119   | 50.560  | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 270264   | 52.190  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 276488   | 53.366  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 150933   | 51.143  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 154312   | 50.594  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 152454   | 51.298  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 32432    | 58.161  | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.220 | 180  | 107446   | 49.967  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 98412    | 51.573  | ug/L   | 99       |
| 71) Naphthalene               | 14.089 | 128  | 373338   | 56.224  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 104565   | 53.737  | ug/L   | 98       |

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

Quant Time: Dec 12 04:08:09 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 03 05:08:36 2021  
Response via : Initial Calibration

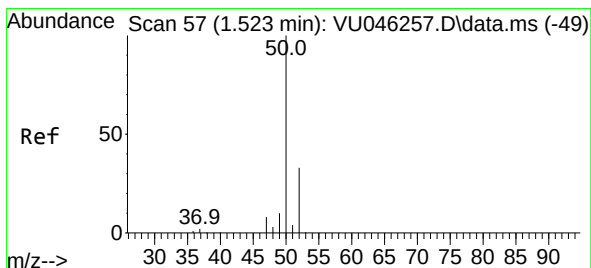
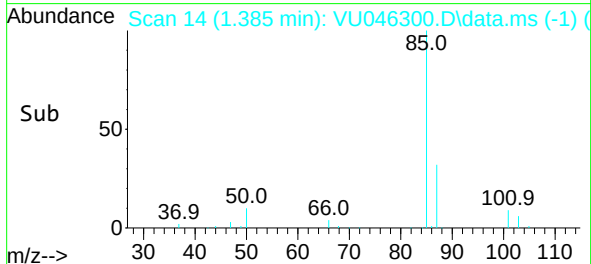
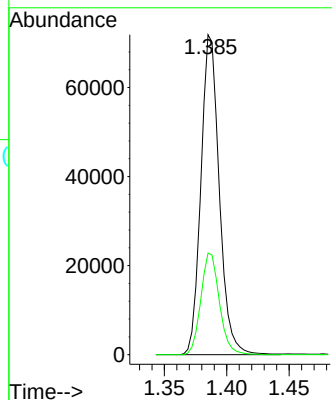
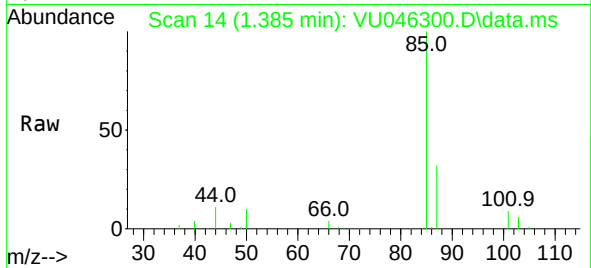




#2  
Dichlorodifluoromethane  
Concen: 42.460 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. -0.003 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

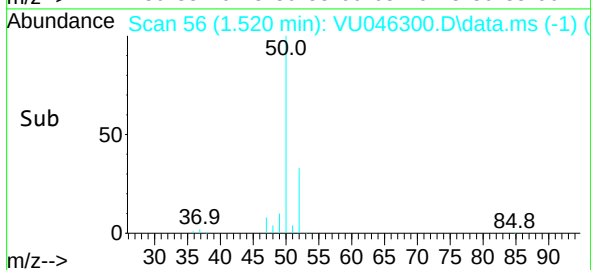
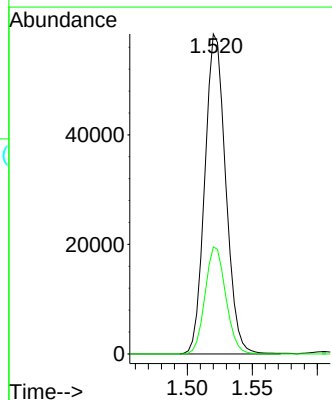
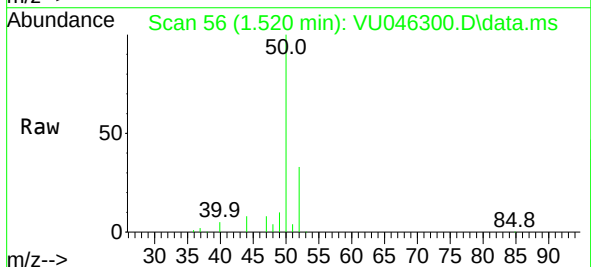
Instrument :  
MSVOA\_U  
ClientSampleId :

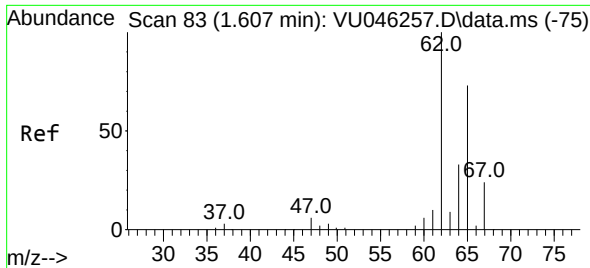
Tgt Ion: 85 Resp: 73678  
Ion Ratio Lower Upper  
85 100  
87 32.0 25.7 38.5



#3  
Chloromethane  
Concen: 42.177 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion: 50 Resp: 65461  
Ion Ratio Lower Upper  
50 100  
52 33.5 23.2 43.2

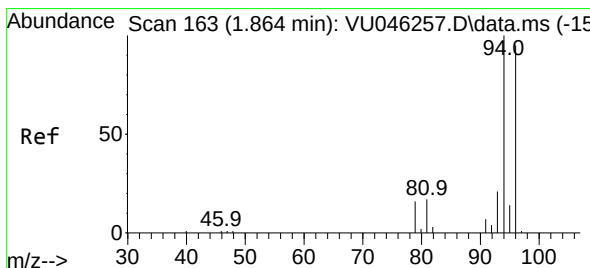
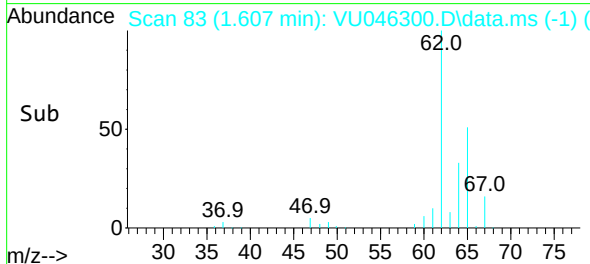
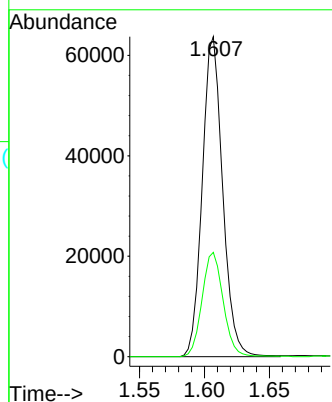
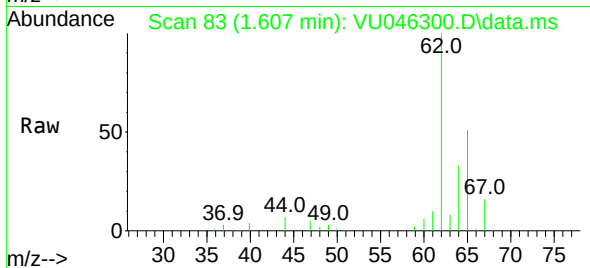




#5  
 Vinyl chloride  
 Concen: 44.486 ug/L  
 RT: 1.607 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU046300.D  
 Acq: 11 Dec 2021 20:20

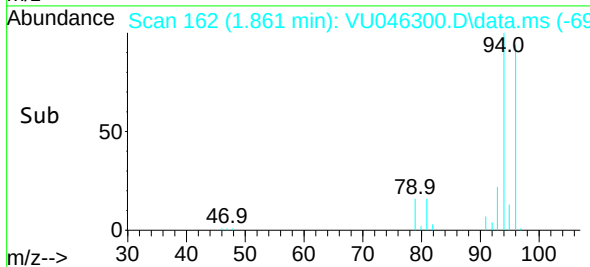
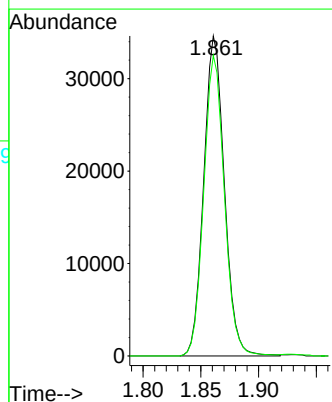
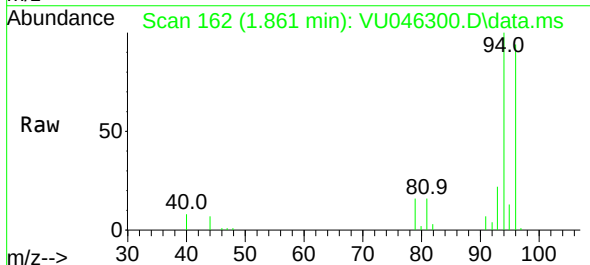
Instrument :  
 MSVOA\_U  
 ClientSampleId :

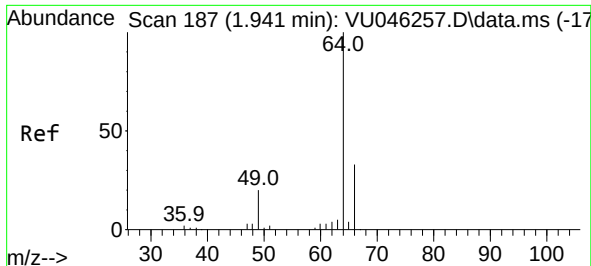
Tgt Ion: 62 Resp: 69619  
 Ion Ratio Lower Upper  
 62 100  
 64 32.6 22.9 42.5



#6  
 Bromomethane  
 Concen: 48.583 ug/L  
 RT: 1.861 min Scan# 162  
 Delta R.T. -0.000 min  
 Lab File: VU046300.D  
 Acq: 11 Dec 2021 20:20

Tgt Ion: 94 Resp: 43093  
 Ion Ratio Lower Upper  
 94 100  
 96 93.9 67.4 125.2

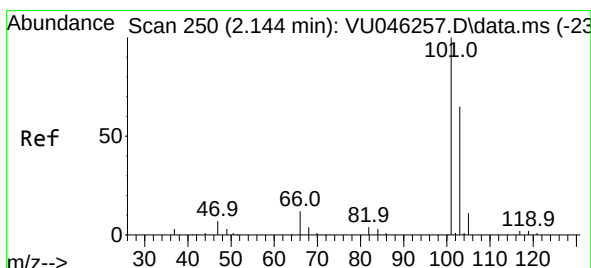
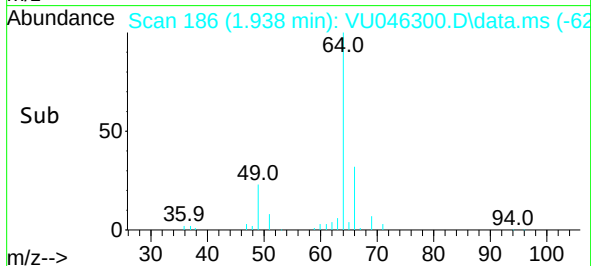
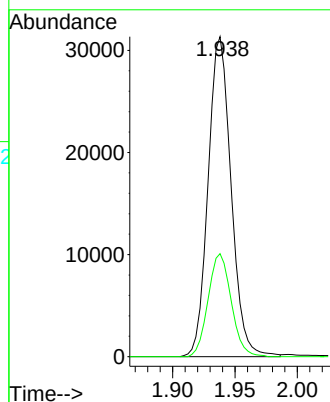
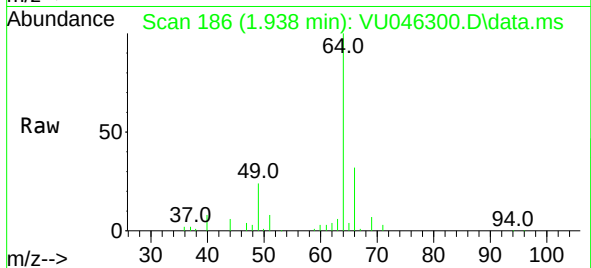




#8  
Chloroethane  
Concen: 44.459 ug/L  
RT: 1.938 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

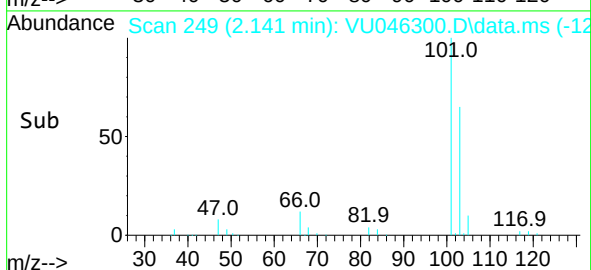
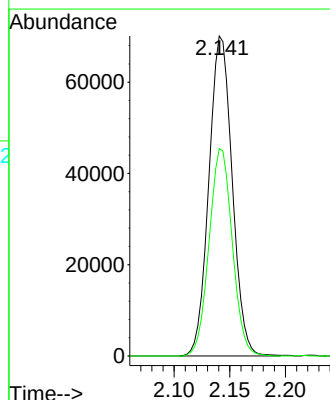
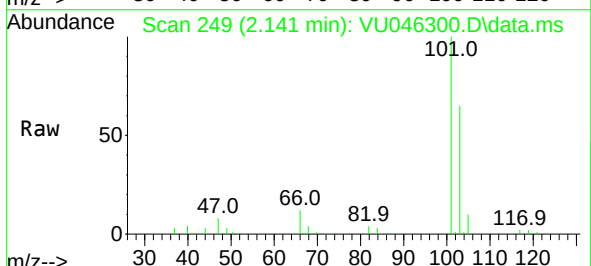
Instrument :  
MSVOA\_U  
ClientSampleId :

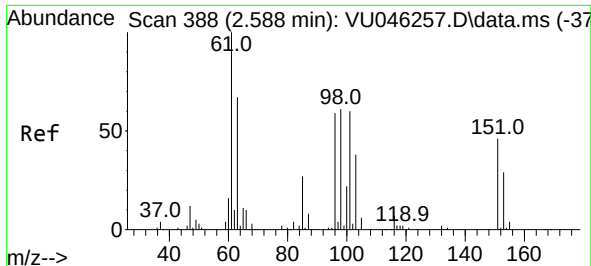
Tgt Ion: 64 Resp: 40285  
Ion Ratio Lower Upper  
64 100  
66 32.2 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 50.015 ug/L  
RT: 2.141 min Scan# 249  
Delta R.T. -0.003 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion:101 Resp: 102187  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.8 77.6





#10

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

Concen: 51.252 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU046300.D

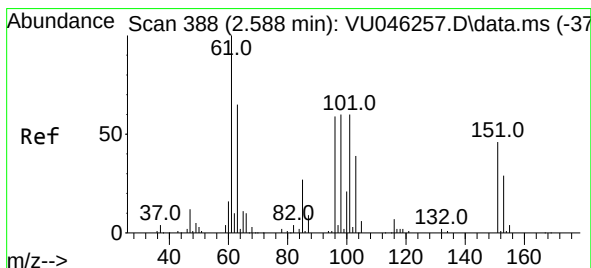
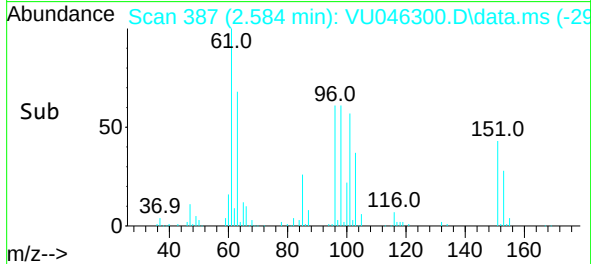
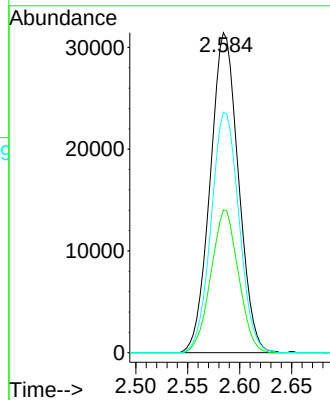
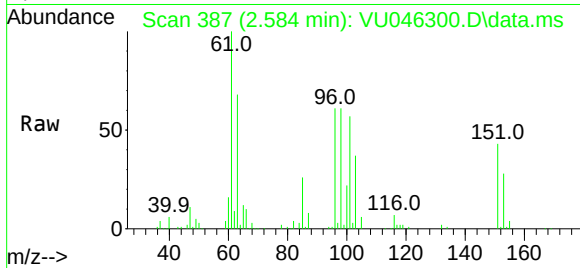
Acq: 11 Dec 2021 20:20

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 59480 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 43.5  | 35.1  | 52.7  |
| 151      | 74.4  | 56.7  | 85.1  |



#12

1,1-Dichloroethene

Concen: 49.021 ug/L

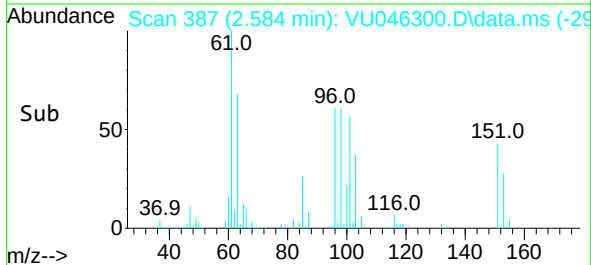
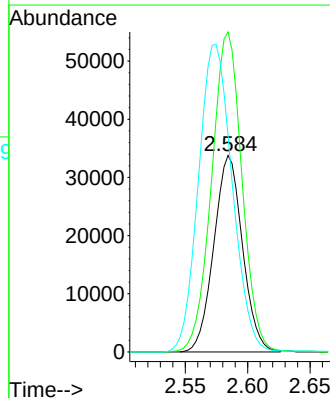
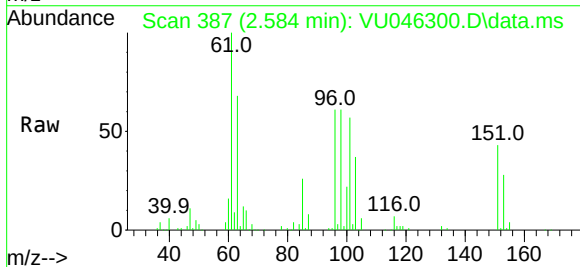
RT: 2.584 min Scan# 387

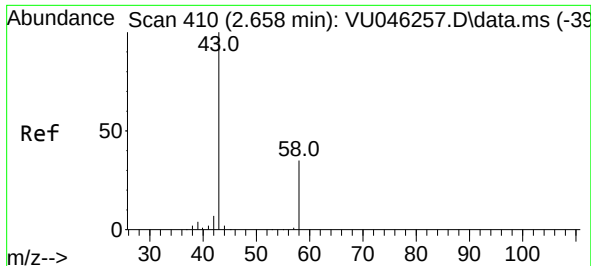
Delta R.T. -0.000 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 54060 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 162.9 | 118.6 | 220.2 |
| 63       | 110.1 | 93.0  | 172.8 |





#13

Acetone

Concen: 59.068 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.010 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

Instrument :

MSVOA\_U

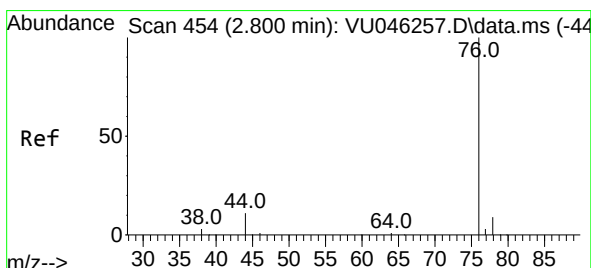
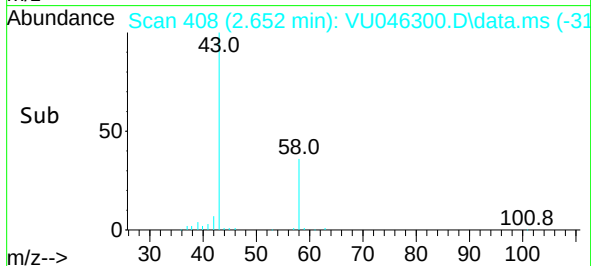
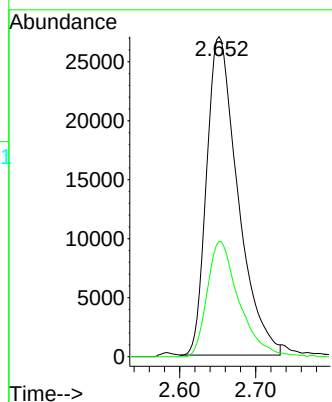
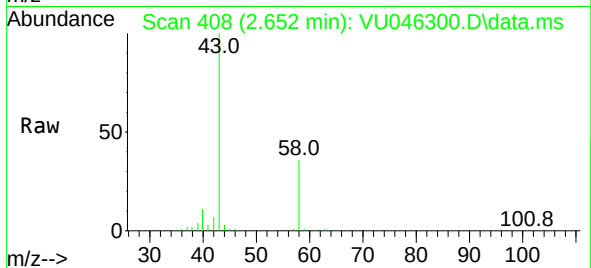
ClientSampleId :

Tgt Ion: 43 Resp: 77102

Ion Ratio Lower Upper

43 100

58 36.9 0.0 66.8



#14

Carbon disulfide

Concen: 39.886 ug/L

RT: 2.796 min Scan# 453

Delta R.T. -0.003 min

Lab File: VU046300.D

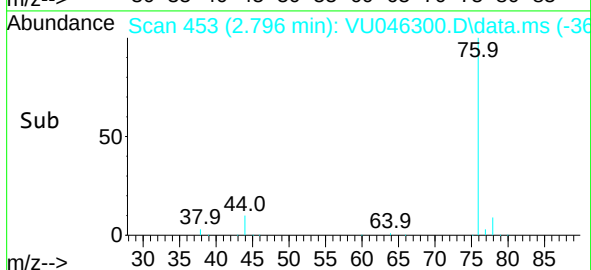
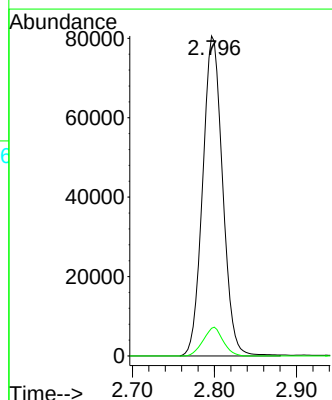
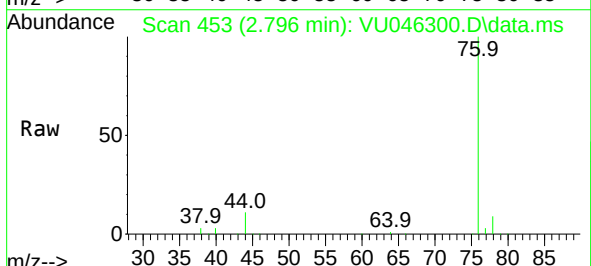
Acq: 11 Dec 2021 20:20

Tgt Ion: 76 Resp: 136468

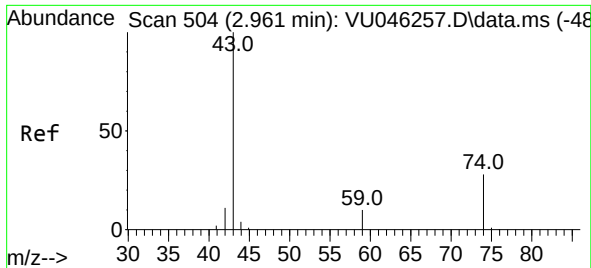
Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



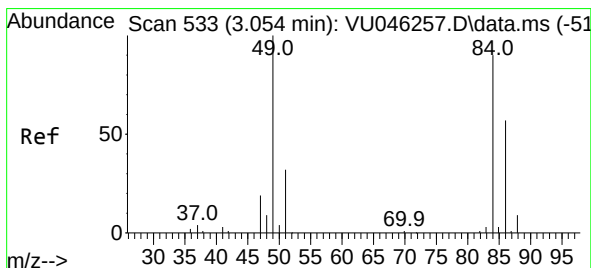
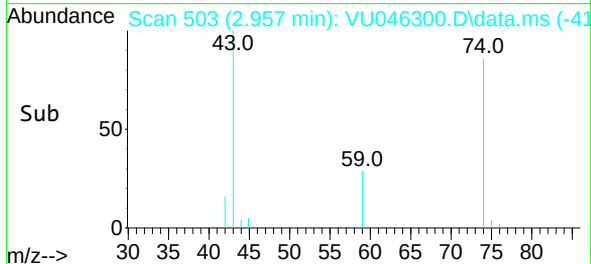
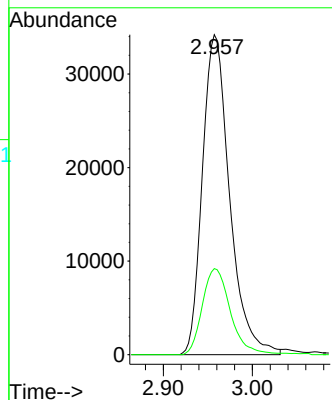
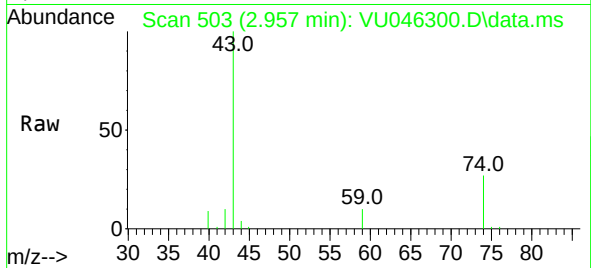




#15  
Methyl Acetate  
Concen: 47.756 ug/L  
RT: 2.957 min Scan# 504  
Delta R.T. -0.003 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

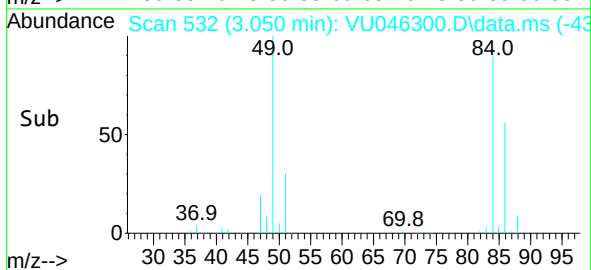
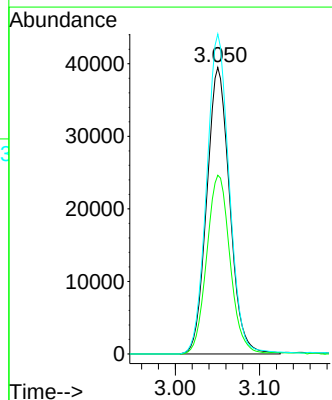
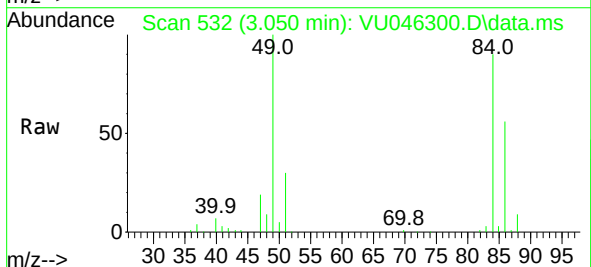
Instrument :  
MSVOA\_U  
ClientSampleId :

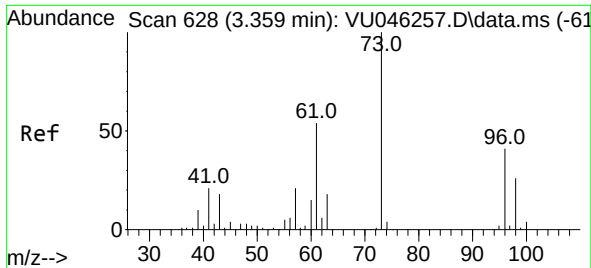
Tgt Ion: 43 Resp: 72668  
Ion Ratio Lower Upper  
43 100  
74 27.7 20.8 31.2



#16  
Methylene chloride  
Concen: 56.958 ug/L  
RT: 3.050 min Scan# 532  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion: 84 Resp: 74733  
Ion Ratio Lower Upper  
84 100  
86 62.4 44.7 83.1  
49 111.7 78.4 145.6

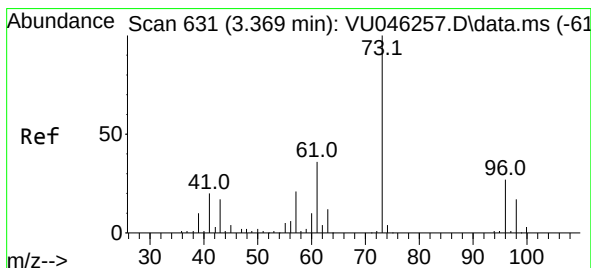
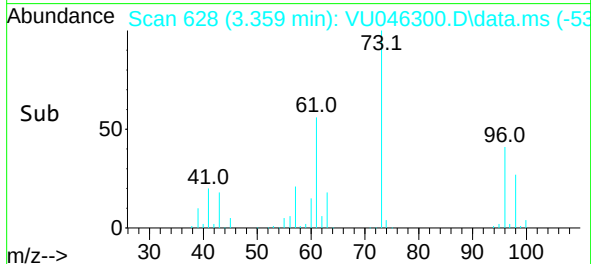
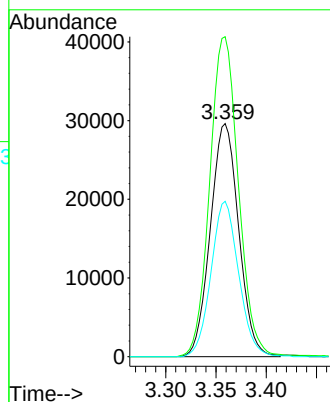
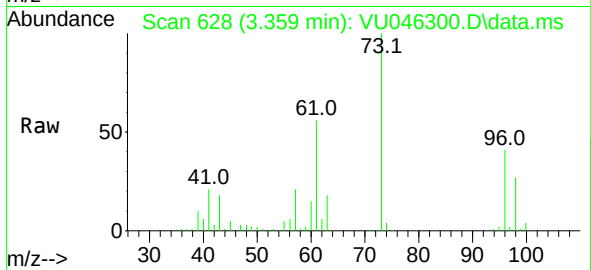




#17  
trans-1,2-Dichloroethene  
Concen: 49.770 ug/L  
RT: 3.359 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

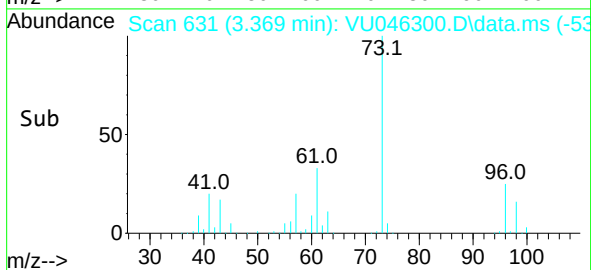
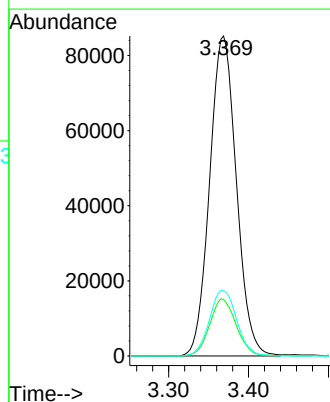
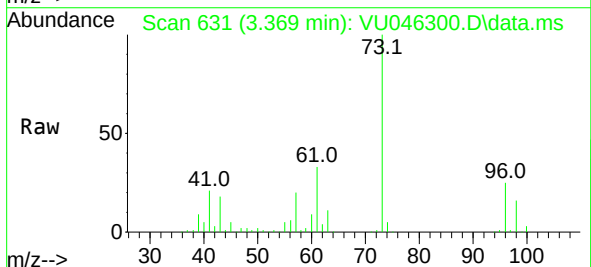
Instrument :  
MSVOA\_U  
ClientSampleId :

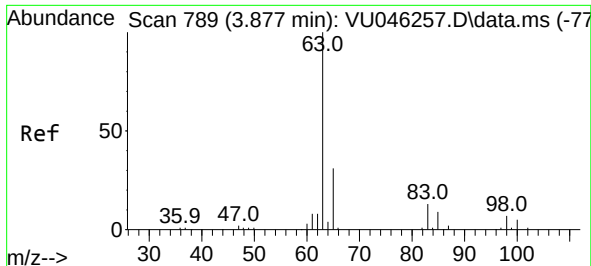
Tgt Ion: 96 Resp: 58084  
Ion Ratio Lower Upper  
96 100  
61 137.2 94.6 175.6  
98 66.6 44.0 81.8



#18  
Methyl tert-butyl Ether  
Concen: 54.959 ug/L  
RT: 3.369 min Scan# 631  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion: 73 Resp: 197668  
Ion Ratio Lower Upper  
73 100  
43 17.7 14.0 21.0  
57 20.9 17.0 25.4





#19

1,1-Dichloroethane

Concen: 55.503 ug/L

RT: 3.874 min Scan# 789

Delta R.T. -0.003 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

Instrument :

MSVOA\_U

ClientSampleId :

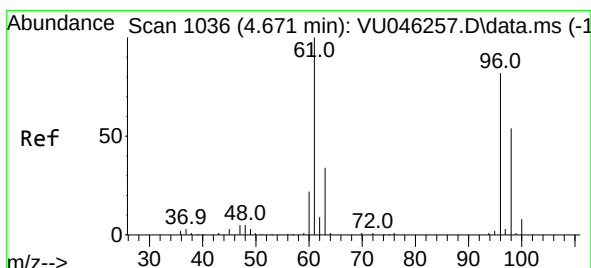
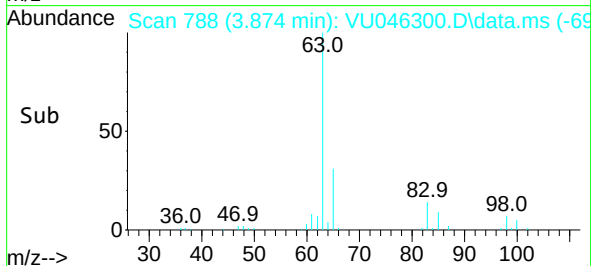
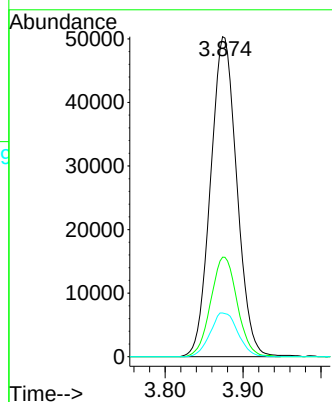
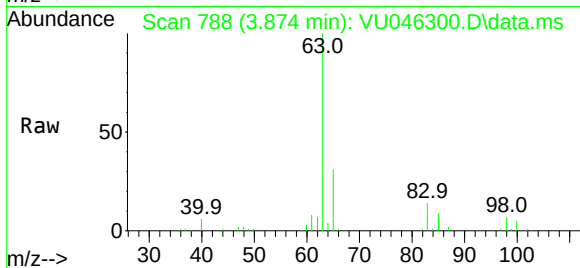
Tgt Ion: 63 Resp: 117775

Ion Ratio Lower Upper

63 100

65 31.1 22.8 42.4

83 13.7 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 54.647 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

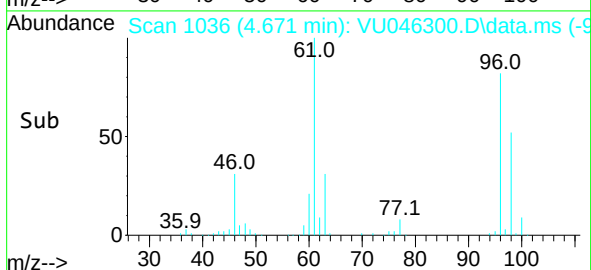
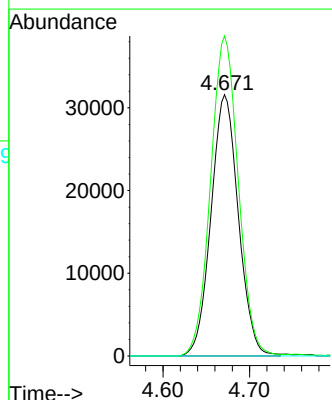
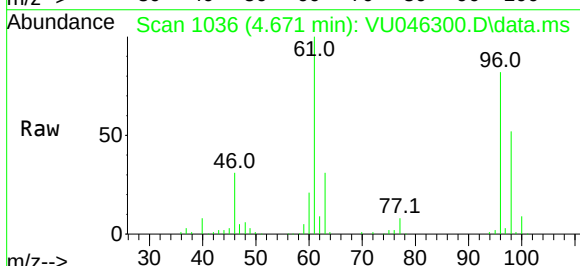
Tgt Ion: 96 Resp: 69201

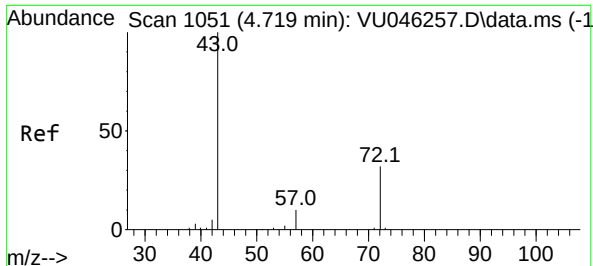
Ion Ratio Lower Upper

96 100

61 122.5 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 82.640 ug/L

RT: 4.716 min Scan# 11050

Delta R.T. -0.007 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

Instrument :

MSVOA\_U

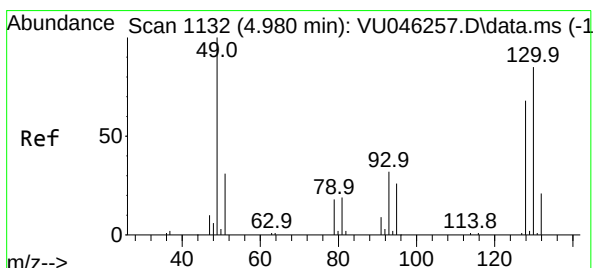
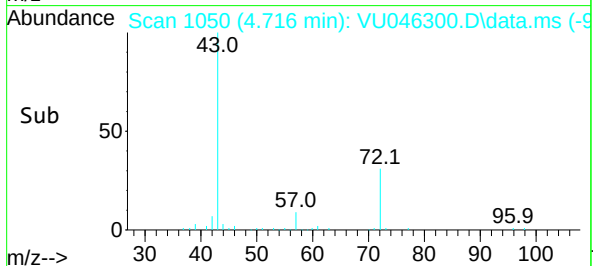
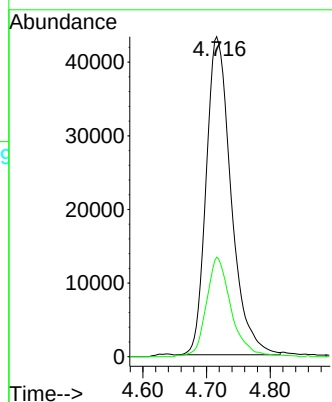
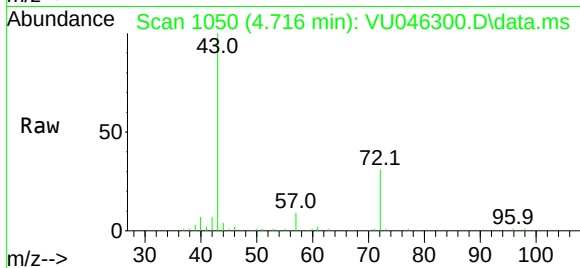
ClientSampleId :

Tgt Ion: 43 Resp: 117427

Ion Ratio Lower Upper

43 100

72 31.0 14.5 43.6



#23

Bromochloromethane

Concen: 58.055 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

Tgt Ion:128 Resp: 37130

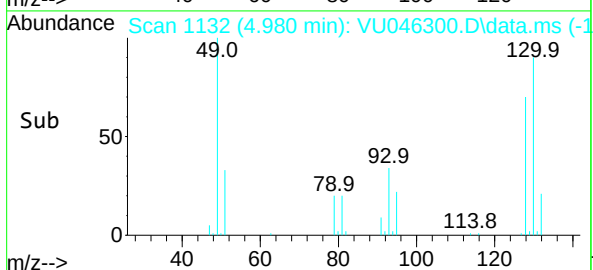
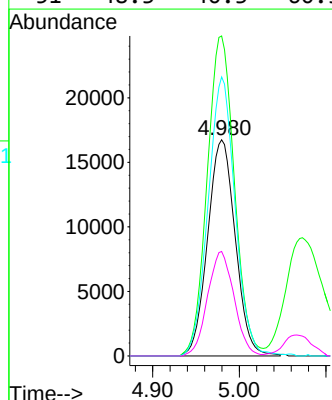
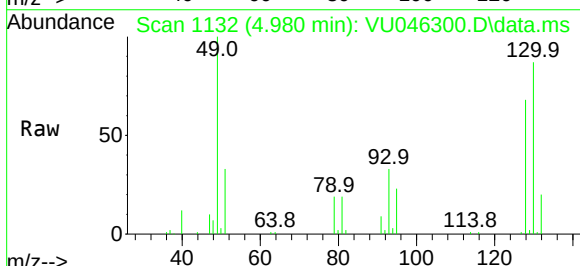
Ion Ratio Lower Upper

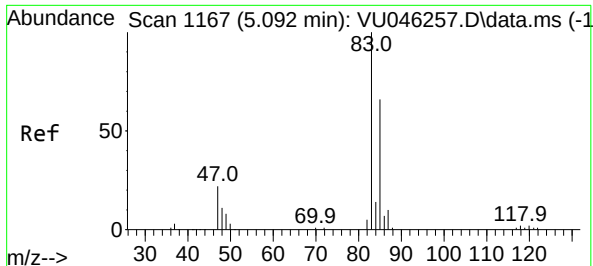
128 100

49 148.1 115.9 215.3

130 129.1 91.8 170.4

51 48.3 40.3 60.5





#25

Chloroform

Concen: 58.276 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

Instrument :

MSVOA\_U

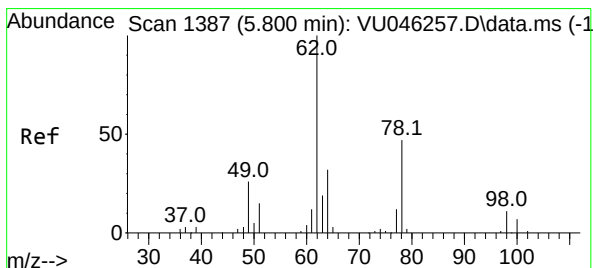
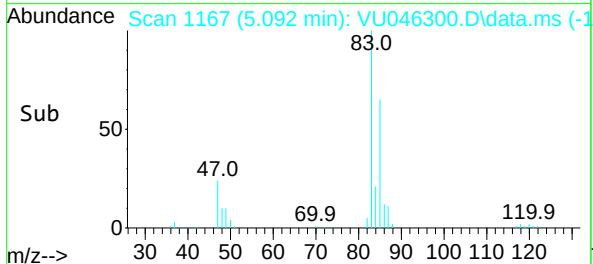
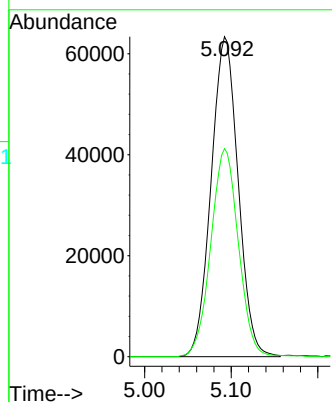
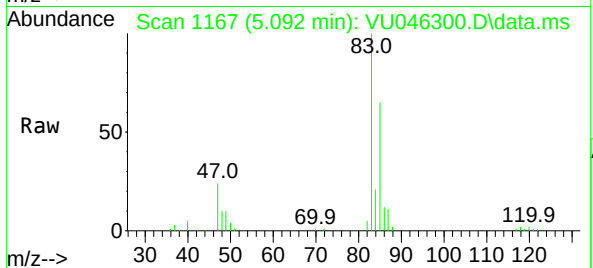
ClientSampleId :

Tgt Ion: 83 Resp: 137394

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.2



#27

1,2-Dichloroethane

Concen: 55.336 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VU046300.D

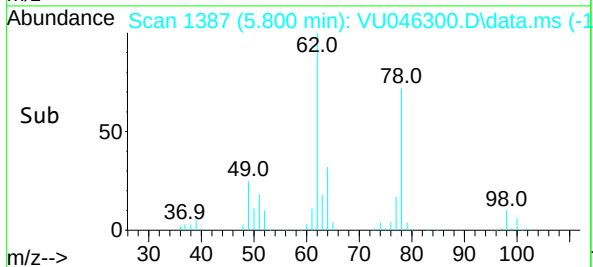
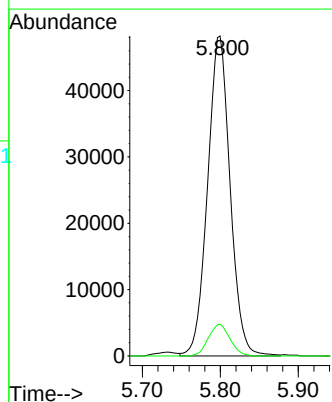
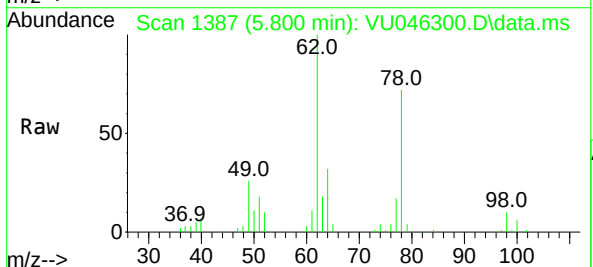
Acq: 11 Dec 2021 20:20

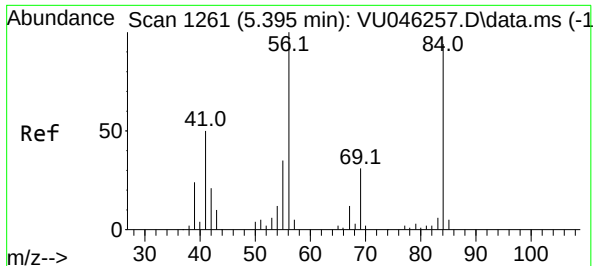
Tgt Ion: 62 Resp: 96812

Ion Ratio Lower Upper

62 100

98 9.9 7.9 11.9





#29

Cyclohexane

Concen: 44.497 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

Instrument :

MSVOA\_U

ClientSampleId :

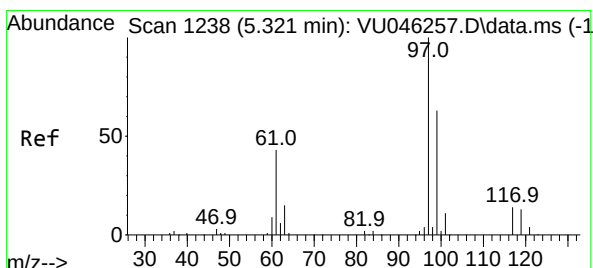
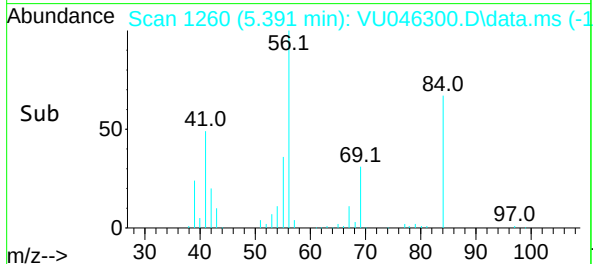
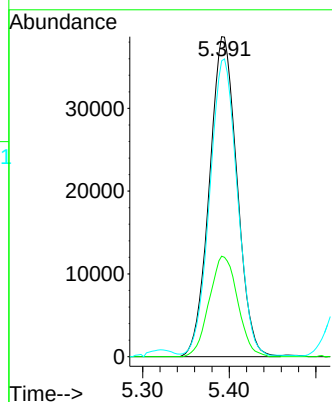
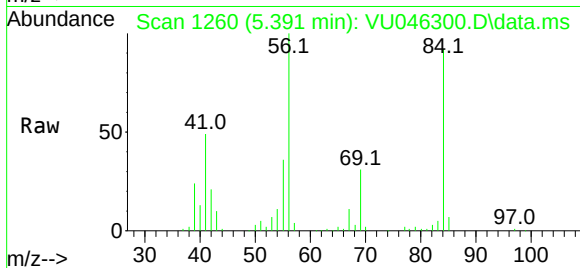
Tgt Ion: 56 Resp: 85700

Ion Ratio Lower Upper

56 100

69 32.2 25.2 37.8

84 92.5 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 52.379 ug/L

RT: 5.320 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

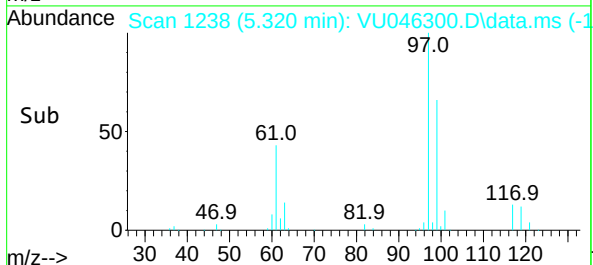
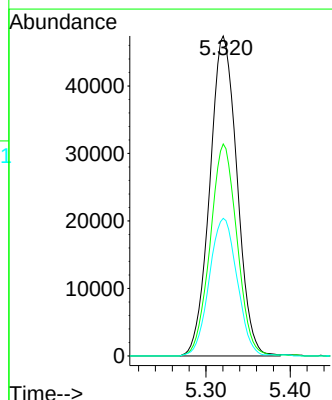
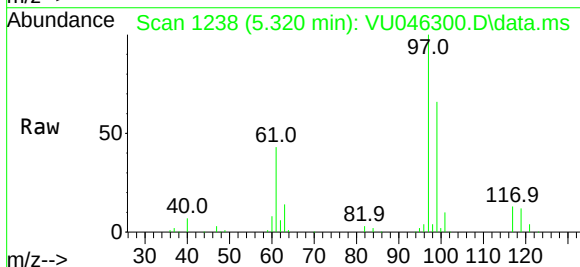
Tgt Ion: 97 Resp: 106346

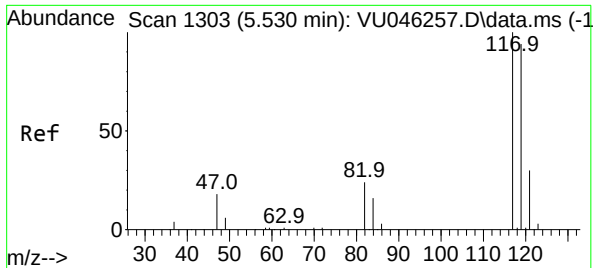
Ion Ratio Lower Upper

97 100

99 65.3 51.8 77.6

61 43.9 34.4 51.6

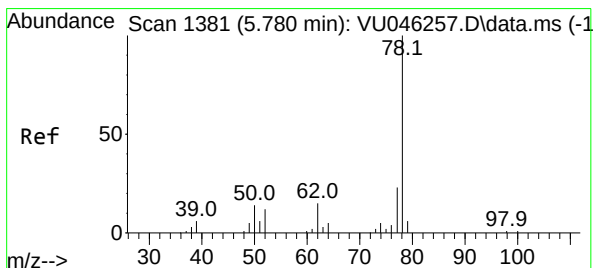
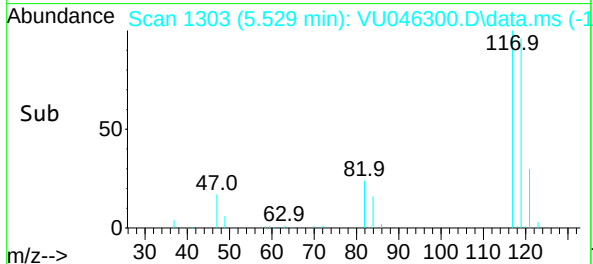
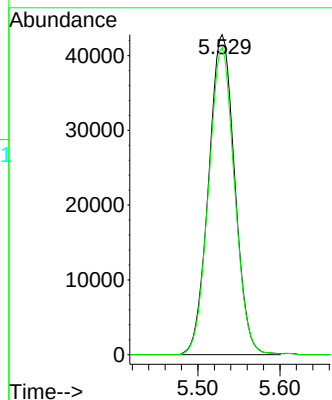
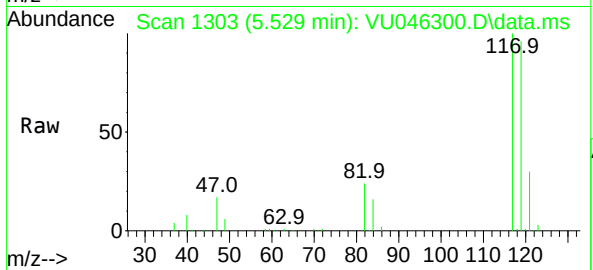




#31  
Carbon tetrachloride  
Concen: 54.805 ug/L  
RT: 5.529 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

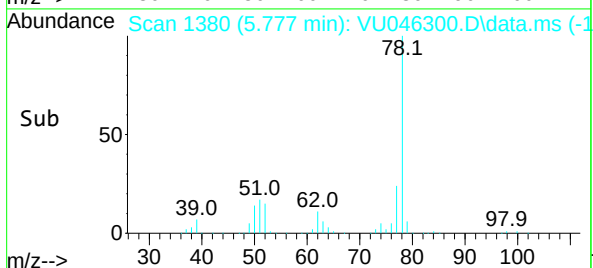
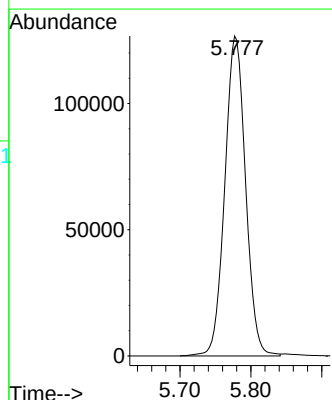
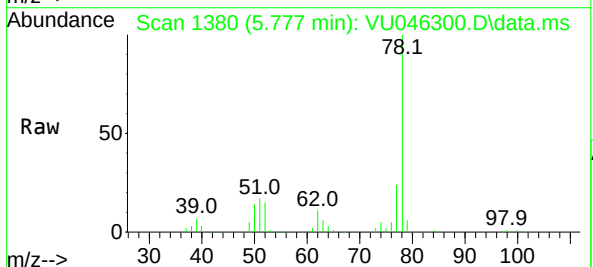
Instrument :  
MSVOA\_U  
ClientSampleId :

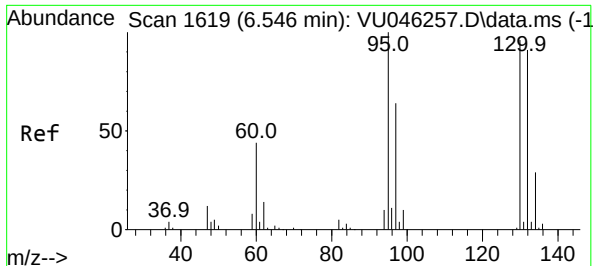
Tgt Ion:117 Resp: 94464  
Ion Ratio Lower Upper  
117 100  
119 95.2 75.7 113.5



#33  
Benzene  
Concen: 51.513 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.003 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

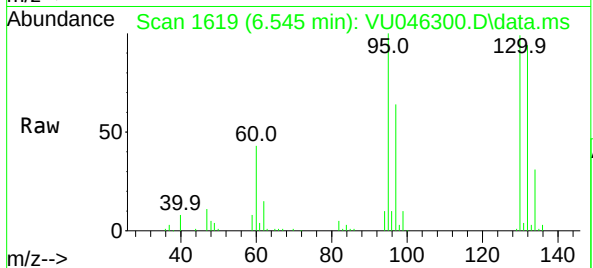
Tgt Ion: 78 Resp: 257877



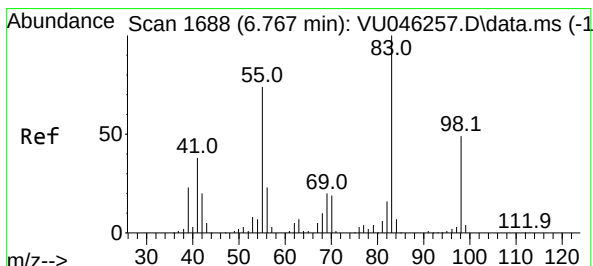
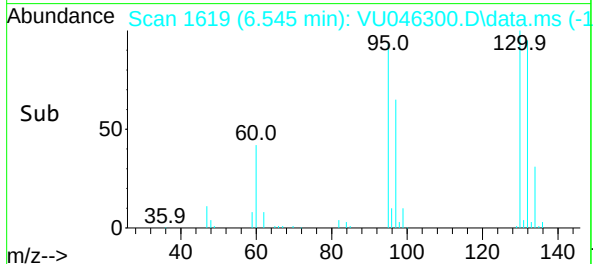
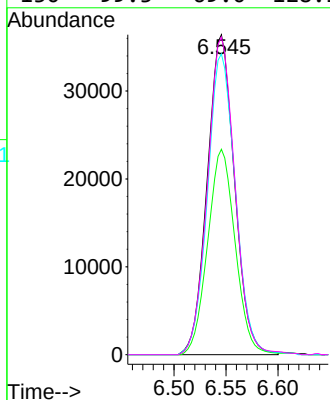


#34  
Trichloroethene  
Concen: 50.399 ug/L  
RT: 6.545 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Instrument :  
MSVOA\_U  
ClientSampleId :

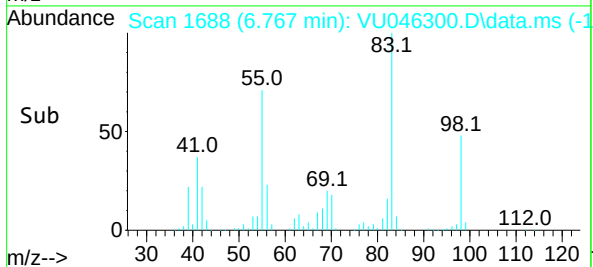
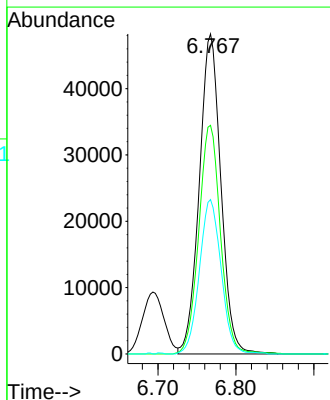
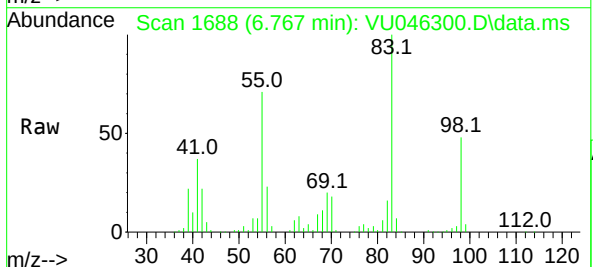


Tgt Ion: 95 Resp: 66466  
Ion Ratio Lower Upper  
95 100  
97 64.2 44.1 81.9  
132 94.0 66.8 124.0  
130 99.3 69.0 128.1

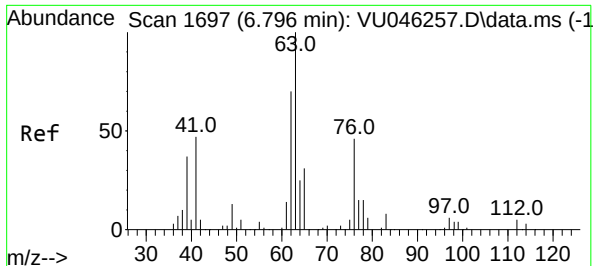


#35  
Methylcyclohexane  
Concen: 45.467 ug/L  
RT: 6.767 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion: 83 Resp: 92974  
Ion Ratio Lower Upper  
83 100  
55 72.0 57.8 86.6  
98 48.4 38.4 57.6







#37

1,2-Dichloropropane

Concen: 53.734 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

Instrument :

MSVOA\_U

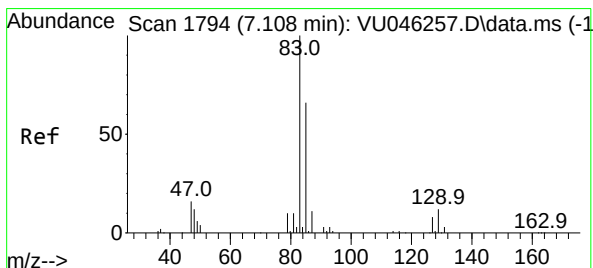
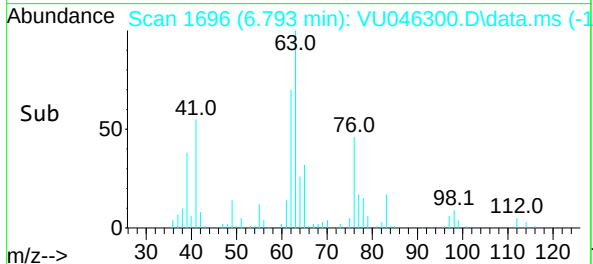
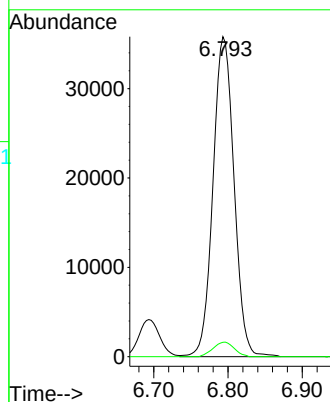
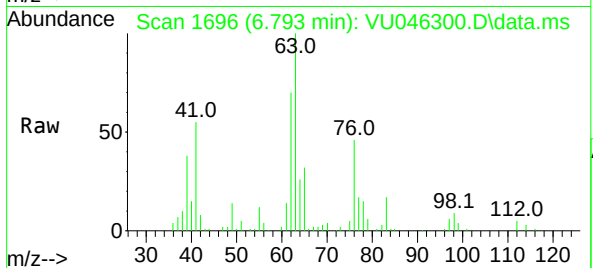
ClientSampleId :

Tgt Ion: 63 Resp: 70465

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 57.489 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

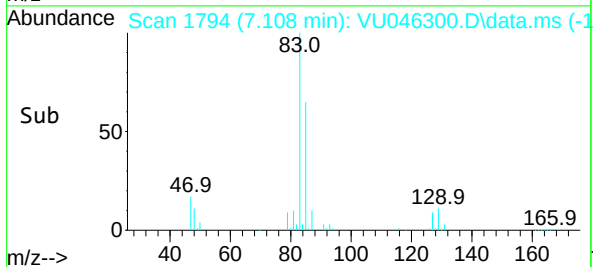
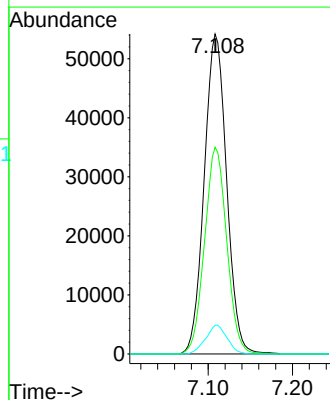
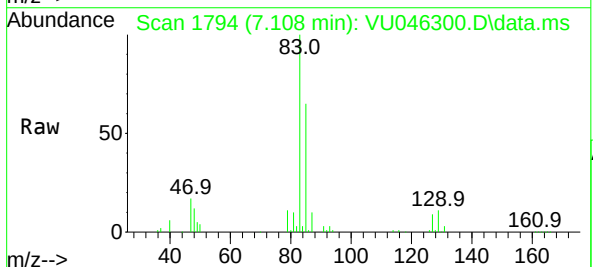
Tgt Ion: 83 Resp: 100204

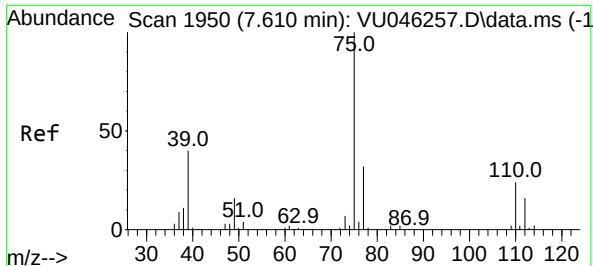
Ion Ratio Lower Upper

83 100

85 64.6 44.4 82.5

127 9.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 52.624 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

Instrument :

MSVOA\_U

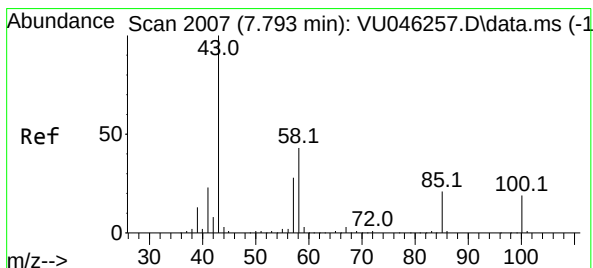
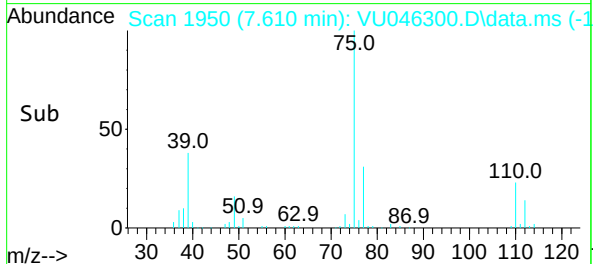
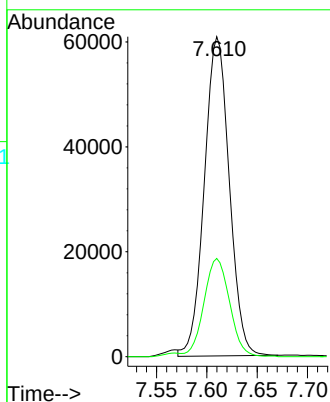
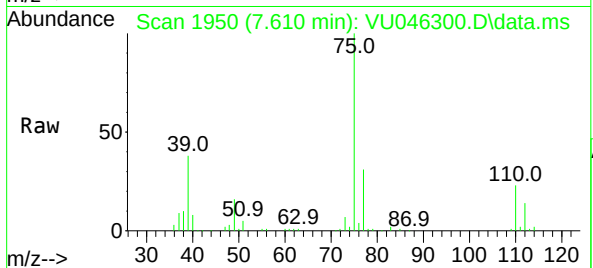
ClientSampleId :

Tgt Ion: 75 Resp: 104984

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 109.229 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

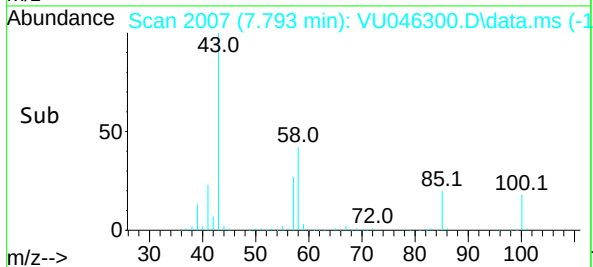
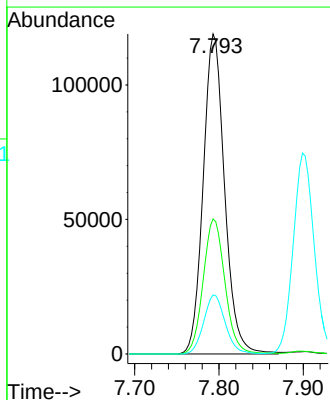
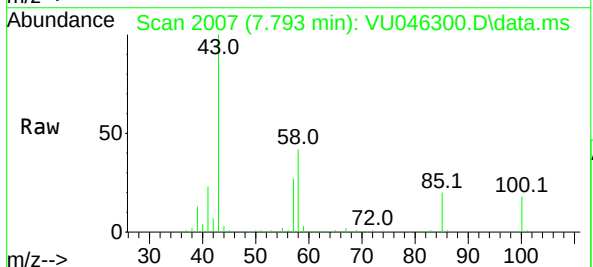
Tgt Ion: 43 Resp: 210455

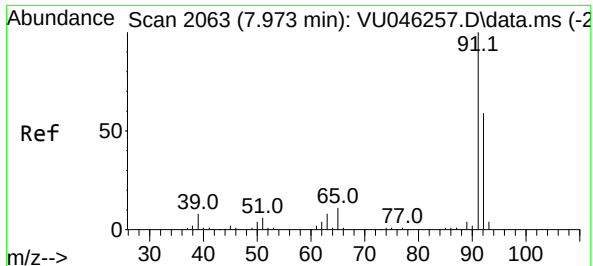
Ion Ratio Lower Upper

43 100

58 42.9 34.2 51.4

100 18.6 14.5 21.7

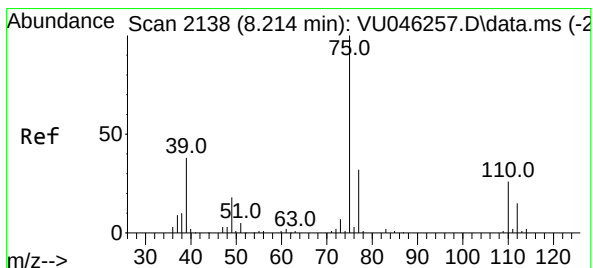
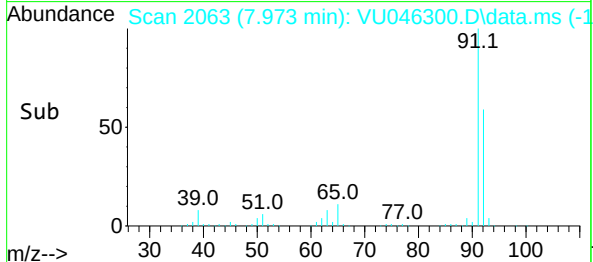
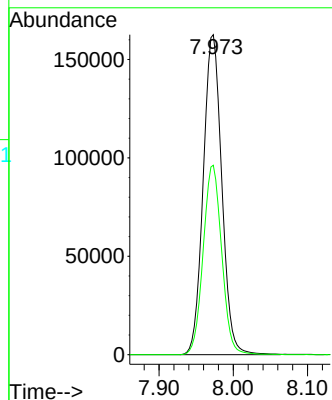
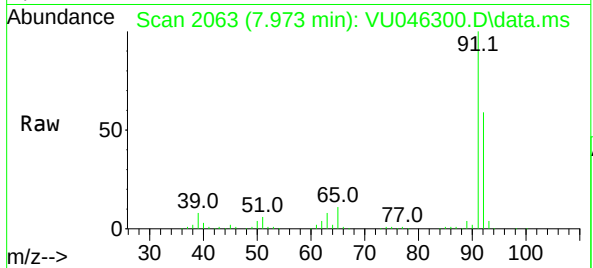




#42  
Toluene  
Concen: 52.531 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

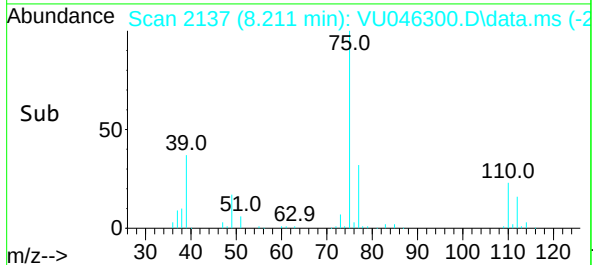
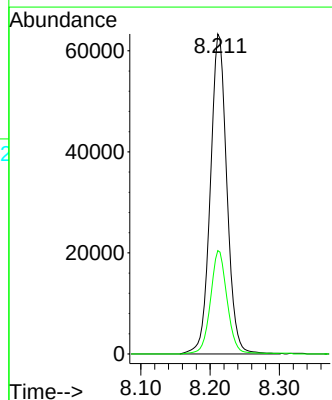
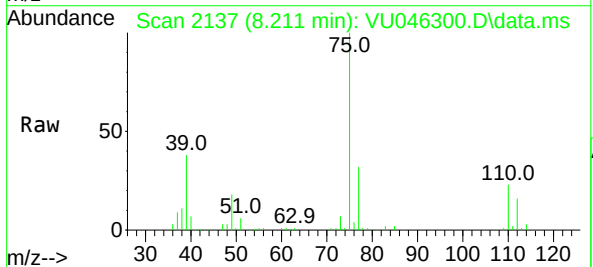
Instrument :  
MSVOA\_U  
ClientSampleId :

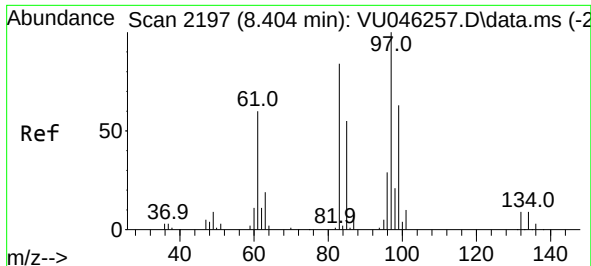
Tgt Ion: 91 Resp: 282177  
Ion Ratio Lower Upper  
91 100  
92 59.2 41.9 77.7



#44  
trans-1,3-Dichloropropene  
Concen: 53.391 ug/L  
RT: 8.211 min Scan# 2137  
Delta R.T. -0.003 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion: 75 Resp: 104614  
Ion Ratio Lower Upper  
75 100  
77 32.3 21.7 40.3

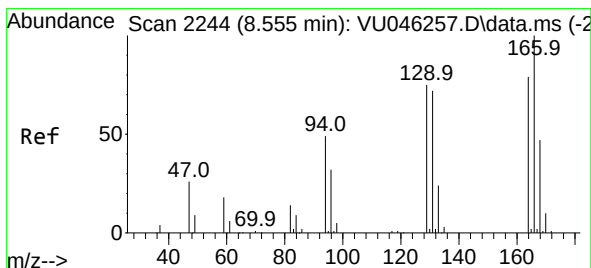
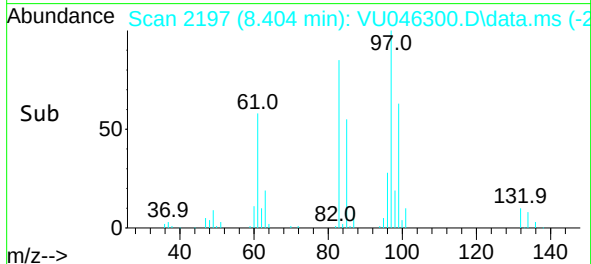
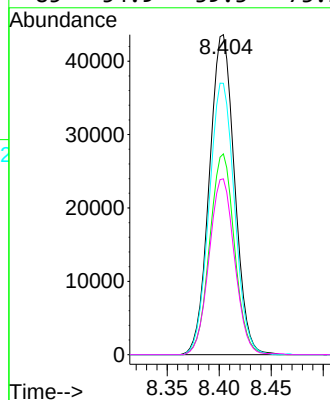
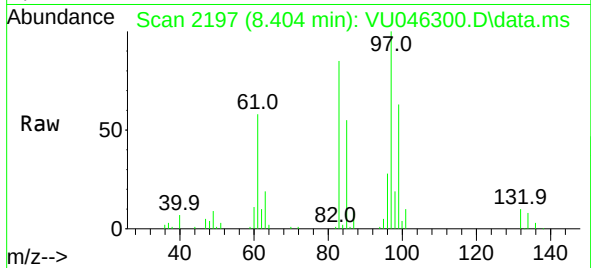




#45  
1,1,2-Trichloroethane  
Concen: 56.005 ug/L  
RT: 8.404 min Scan# 2197  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

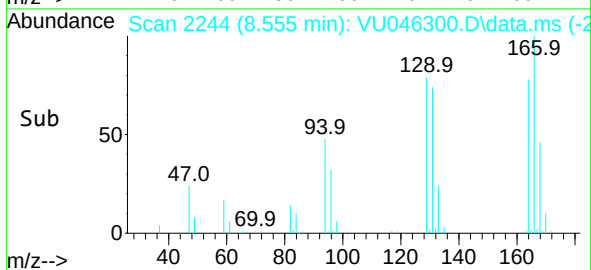
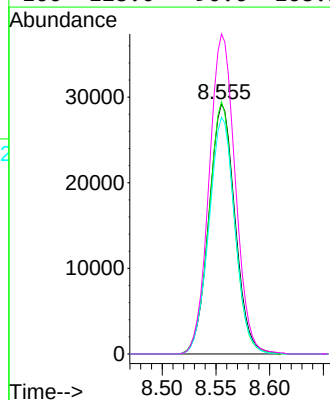
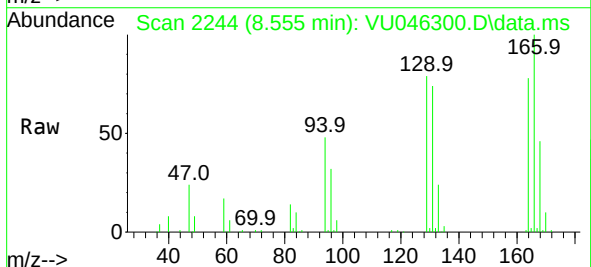
Instrument :  
MSVOA\_U  
ClientSampleId :

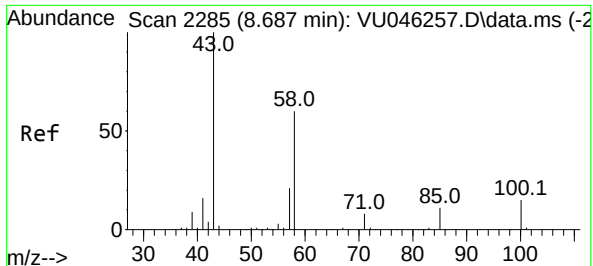
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 73683 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 62.7     | 44.7 82.9   |
| 83 84.8     | 60.2 111.8  |
| 85 54.9     | 39.3 73.1   |



#46  
Tetrachloroethene  
Concen: 50.970 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

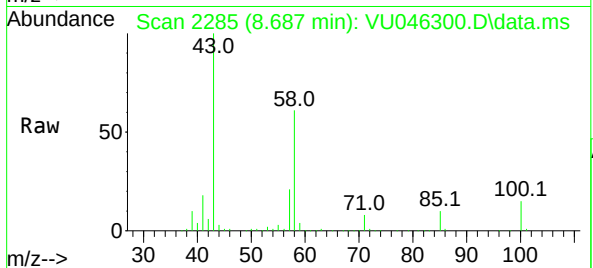
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 49398 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 100.8   | 71.1  | 132.1 |
| 131 | 94.7    | 67.8  | 126.0 |
| 166 | 128.0   | 90.6  | 168.2 |



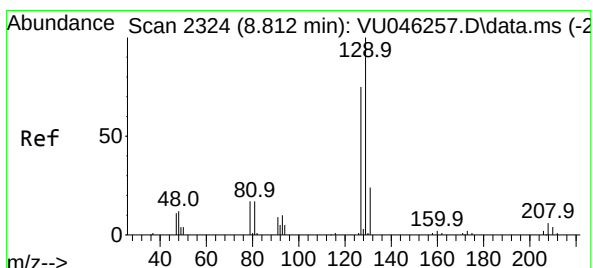
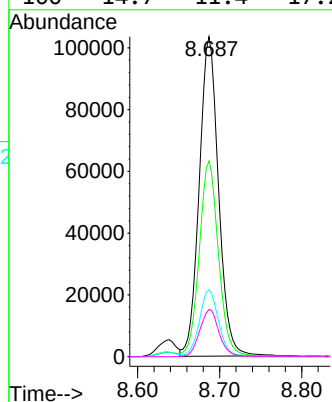
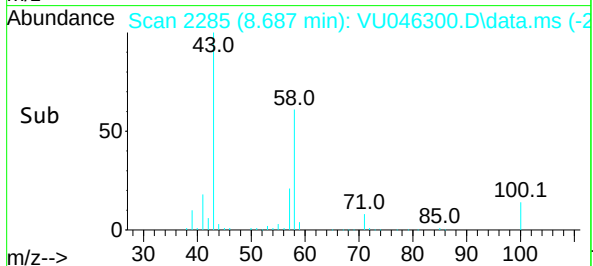


#48  
2-Hexanone  
Concen: 97.927 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Instrument :  
MSVOA\_U  
ClientSampleId :

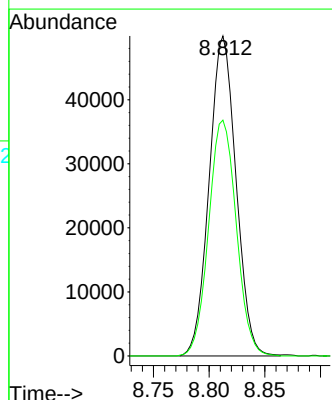
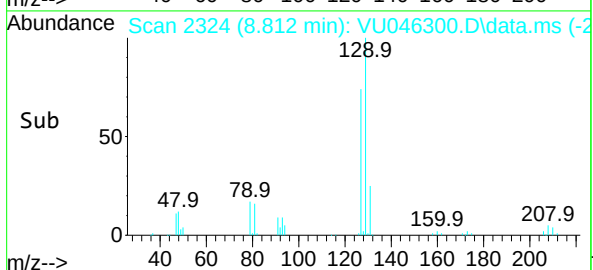
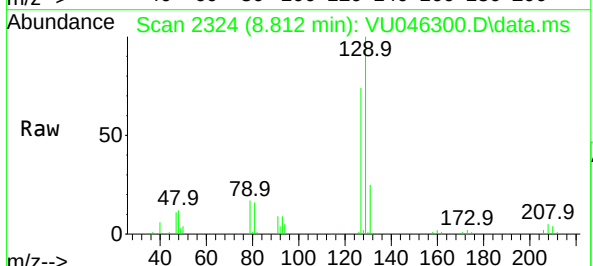


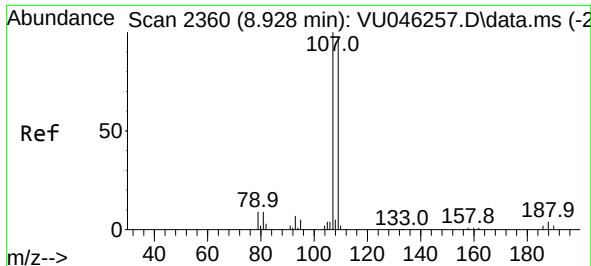
Tgt Ion: 43 Resp: 168739  
Ion Ratio Lower Upper  
43 100  
58 60.7 47.4 71.2  
57 20.9 16.6 25.0  
100 14.7 11.4 17.2



#49  
Dibromochloromethane  
Concen: 60.735 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

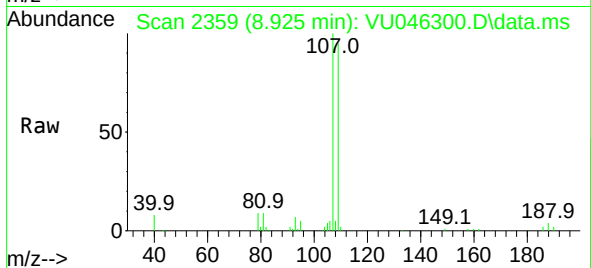
Tgt Ion:129 Resp: 83910  
Ion Ratio Lower Upper  
129 100  
127 73.7 55.6 103.4



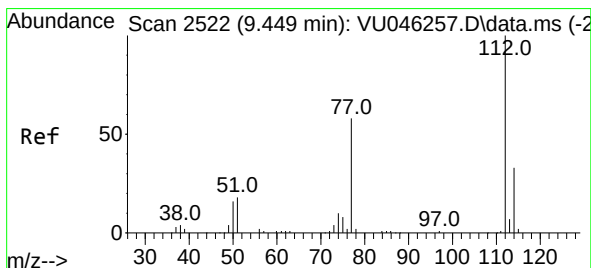
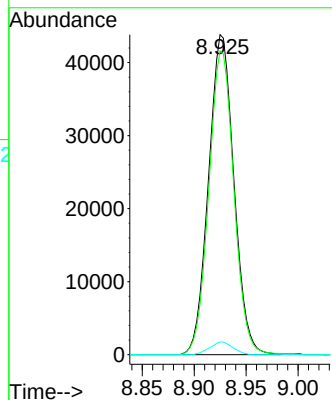
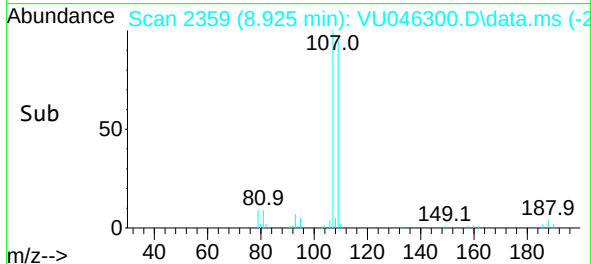


#50  
1,2-Dibromoethane  
Concen: 52.213 ug/L  
RT: 8.925 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Instrument :  
MSVOA\_U  
ClientSampleId :

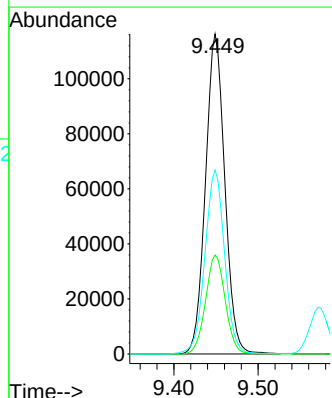
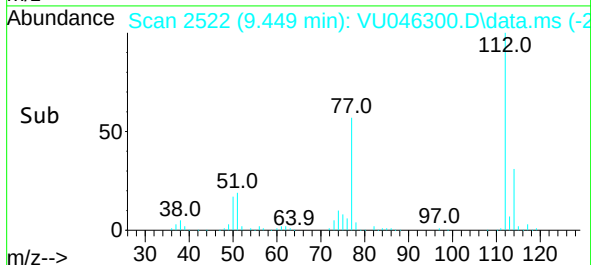
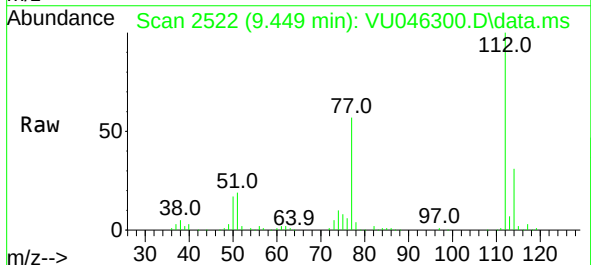


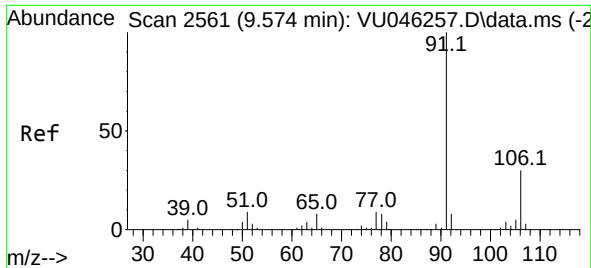
Tgt Ion:107 Resp: 74476  
Ion Ratio Lower Upper  
107 100  
109 95.0 64.9 120.5  
188 4.0 2.6 3.8#



#51  
Chlorobenzene  
Concen: 53.429 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion:112 Resp: 185675  
Ion Ratio Lower Upper  
112 100  
114 31.0 22.2 41.2  
77 57.5 47.4 71.0

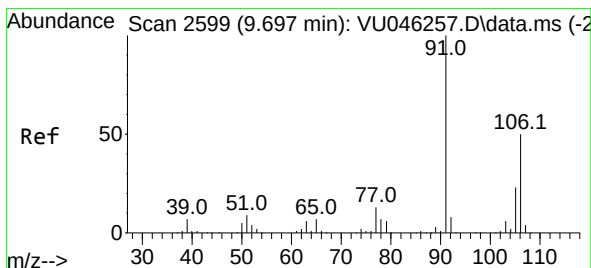
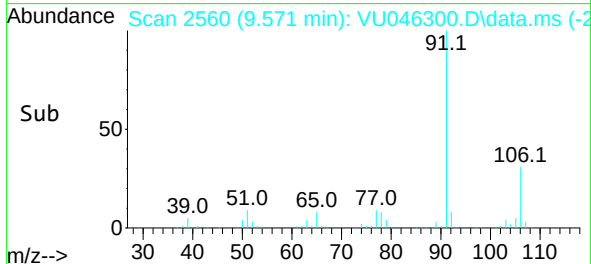
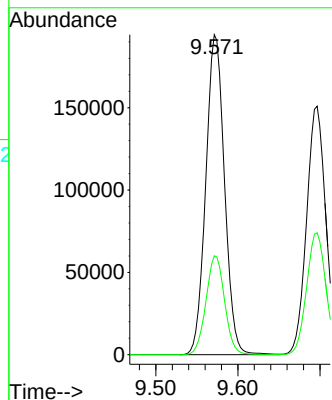
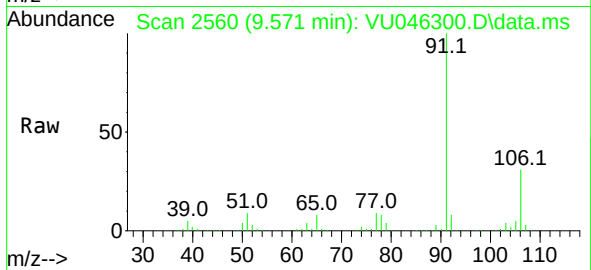




#52  
Ethylbenzene  
Concen: 53.364 ug/L  
RT: 9.571 min Scan# 2561  
Delta R.T. -0.003 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

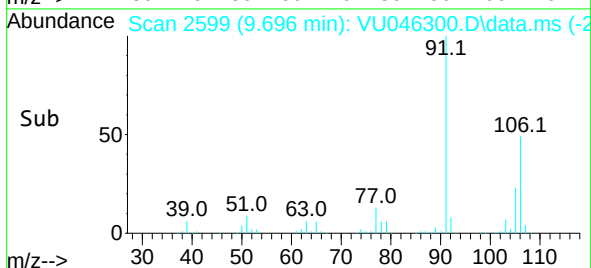
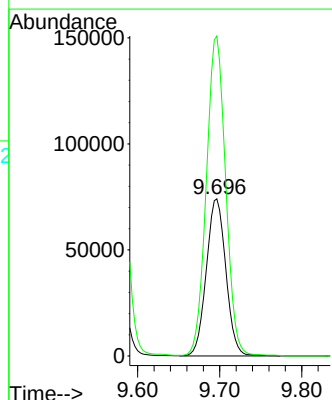
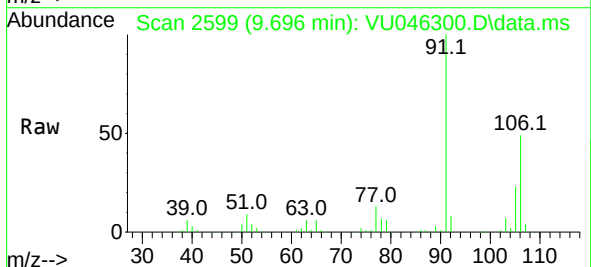
Instrument :  
MSVOA\_U  
ClientSampleId :

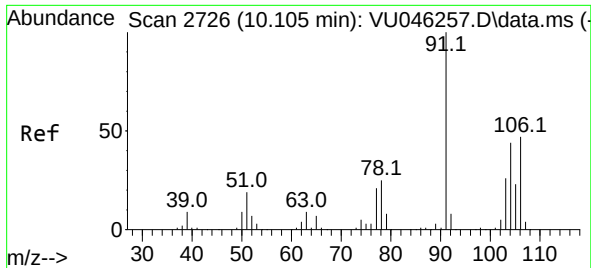
Tgt Ion: 91 Resp: 308498  
Ion Ratio Lower Upper  
91 100  
106 30.9 21.1 39.3



#53  
m,p-Xylene  
Concen: 54.304 ug/L  
RT: 9.696 min Scan# 2599  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion:106 Resp: 122430  
Ion Ratio Lower Upper  
106 100  
91 203.7 144.3 268.1

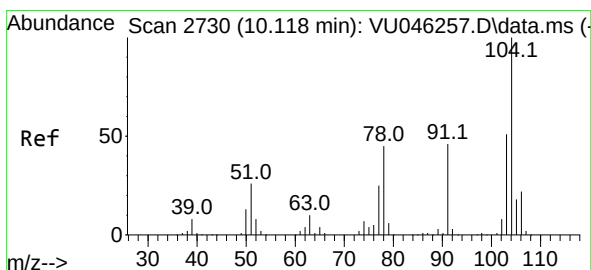
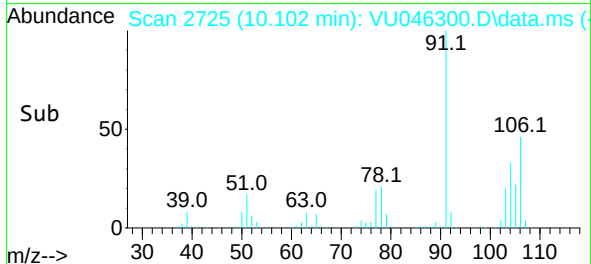
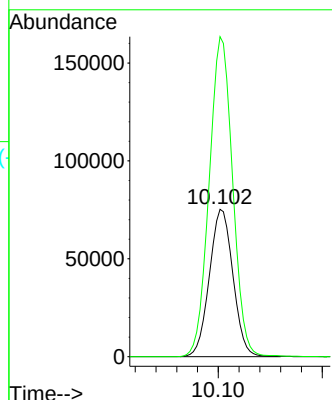
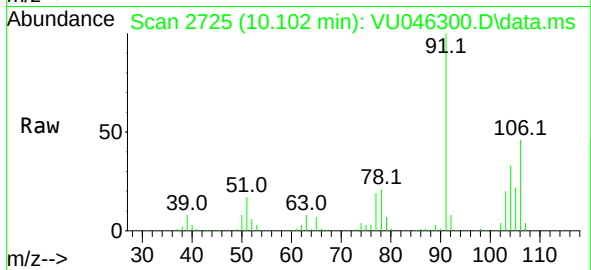




#54  
o-xylene  
Concen: 54.166 ug/L  
RT: 10.102 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

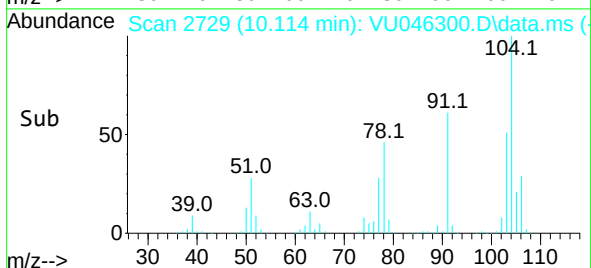
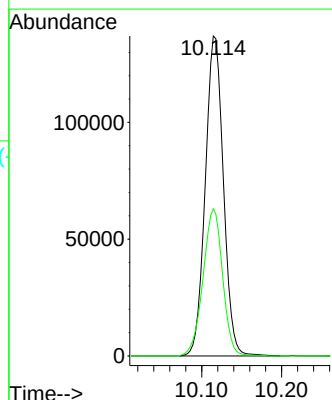
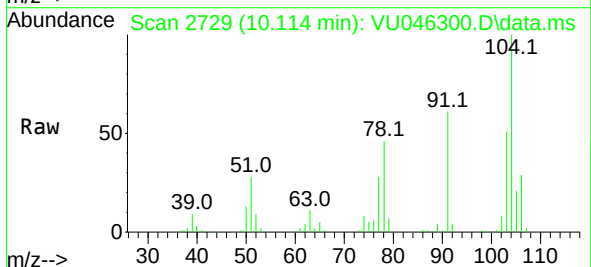
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:106 Resp: 118495  
Ion Ratio Lower Upper  
106 100  
91 217.2 154.2 286.4

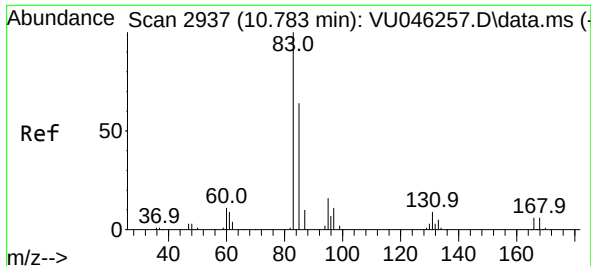


#55  
Styrene  
Concen: 57.978 ug/L  
RT: 10.114 min Scan# 2729  
Delta R.T. -0.003 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion:104 Resp: 216544  
Ion Ratio Lower Upper  
104 100  
78 46.0 32.6 60.5







#57

1,1,2,2-Tetrachloroethane

Concen: 56.423 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

Instrument :

MSVOA\_U

ClientSampleId :

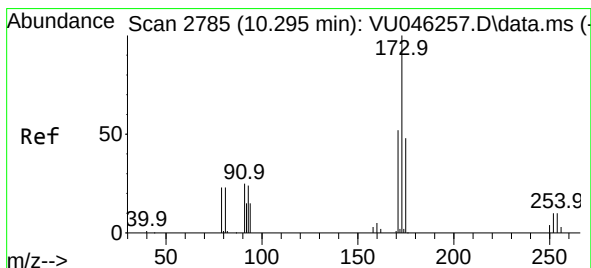
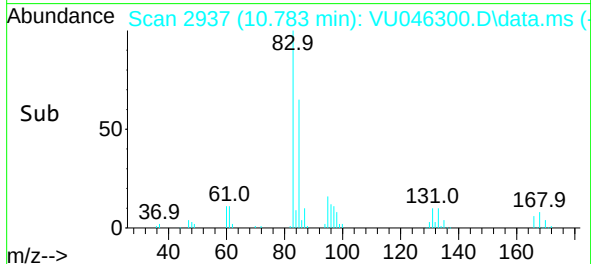
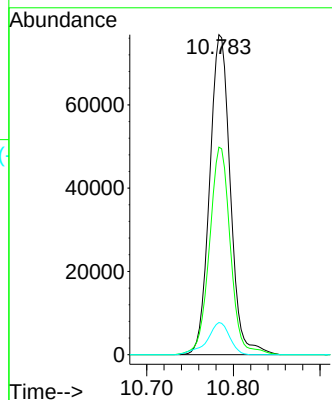
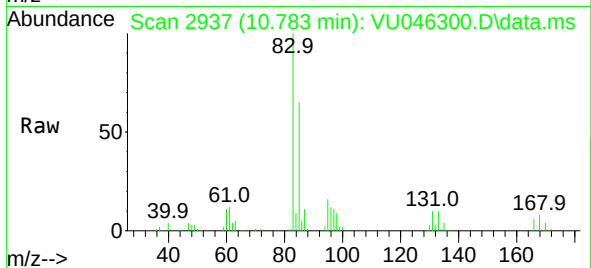
Tgt Ion: 83 Resp: 127268

Ion Ratio Lower Upper

83 100

85 64.9 45.6 84.6

131 10.0 7.8 11.6



#59

Bromoform

Concen: 57.393 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

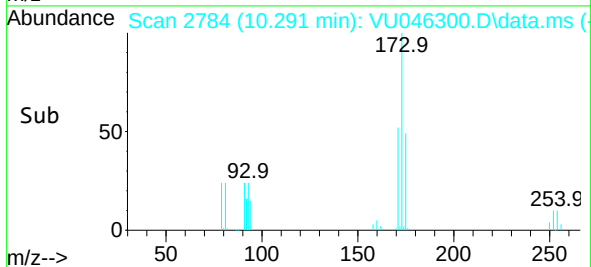
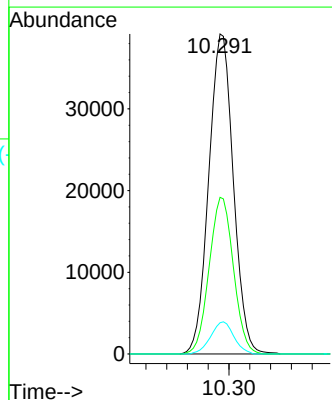
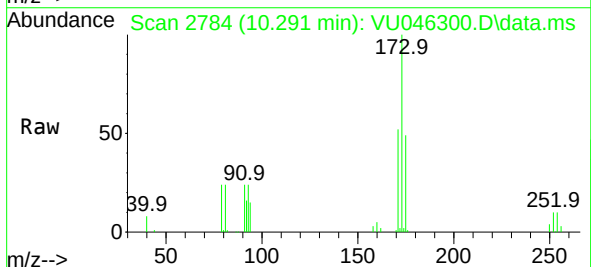
Tgt Ion:173 Resp: 64291

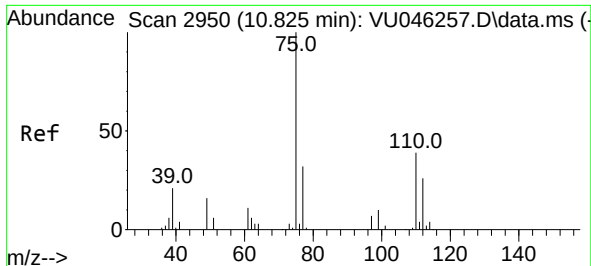
Ion Ratio Lower Upper

173 100

175 48.3 39.2 58.8

254 9.5 7.4 11.2

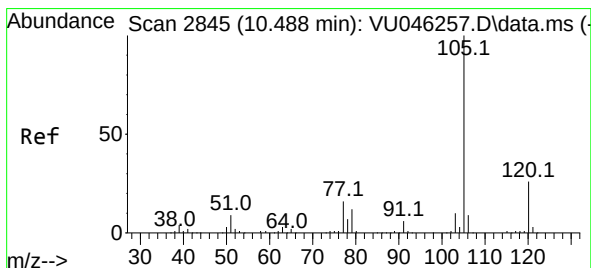
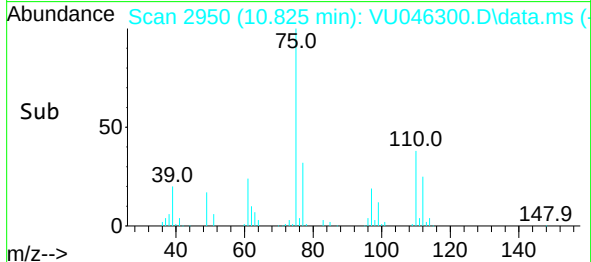
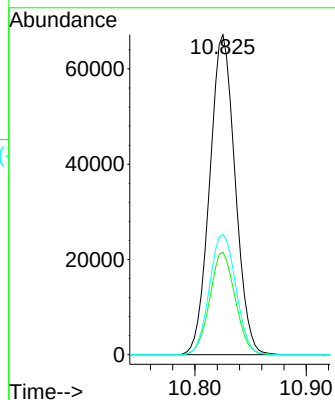
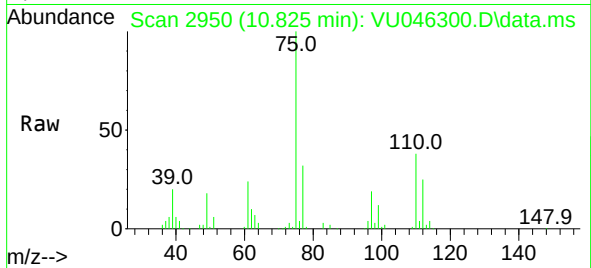




#60  
1,2,3-Trichloropropane  
Concen: 50.920 ug/L  
RT: 10.825 min Scan# 2950  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

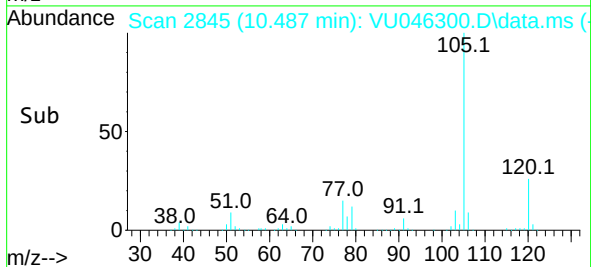
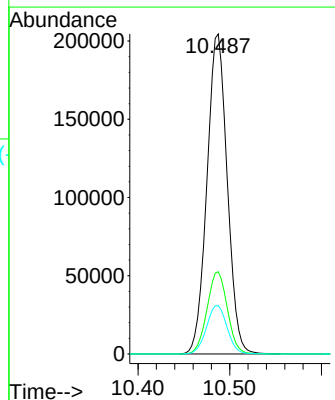
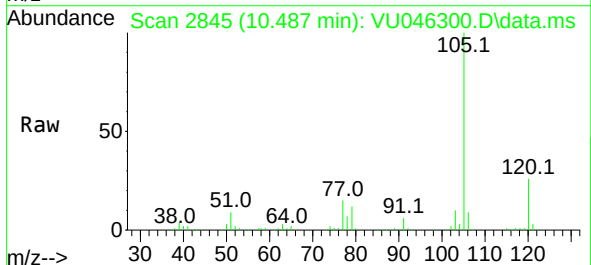
Instrument :  
MSVOA\_U  
ClientSampleId :

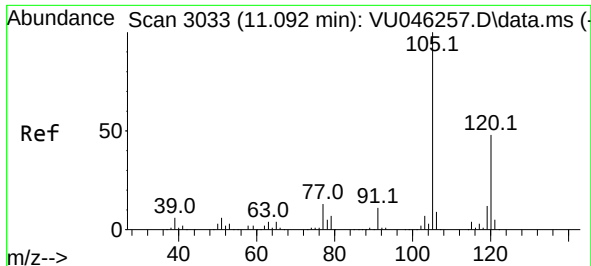
Tgt Ion: 75 Resp: 106584  
Ion Ratio Lower Upper  
75 100  
77 32.0 26.4 39.6  
110 39.2 32.4 48.6



#61  
Isopropylbenzene  
Concen: 50.560 ug/L  
RT: 10.487 min Scan# 2845  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion: 105 Resp: 314119  
Ion Ratio Lower Upper  
105 100  
120 25.8 20.7 31.1  
77 15.4 12.2 18.4

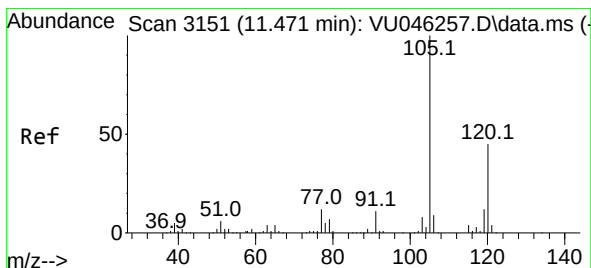
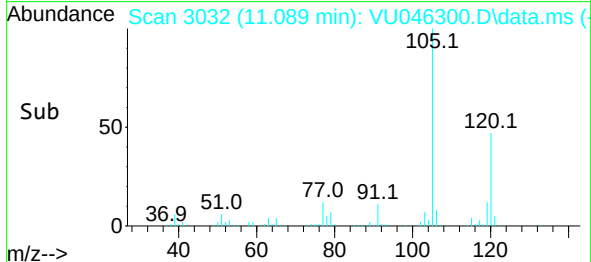
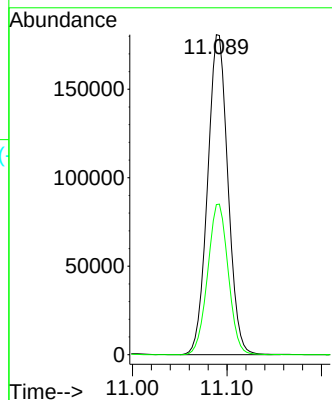
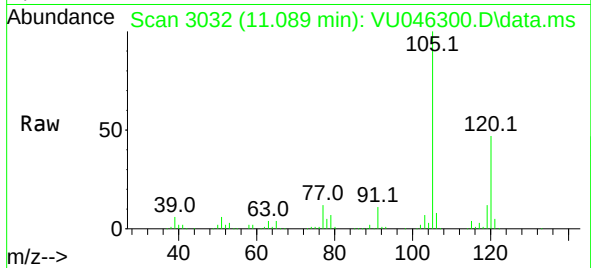




#62  
1,3,5-Trimethylbenzene  
Concen: 52.190 ug/L  
RT: 11.089 min Scan# 3033  
Delta R.T. -0.003 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

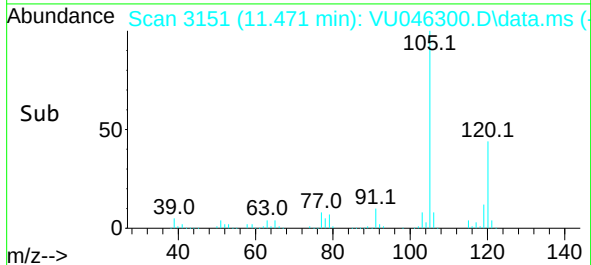
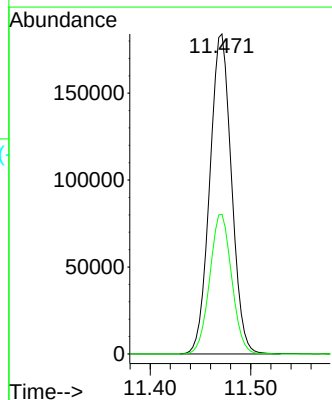
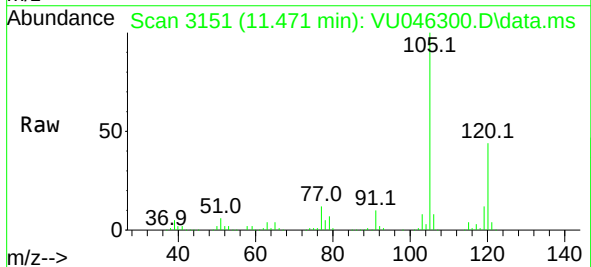
Instrument :  
MSVOA\_U  
ClientSampleId :

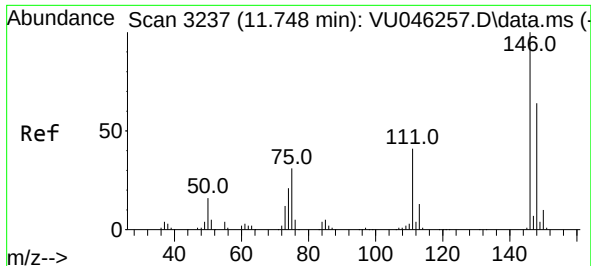
Tgt Ion:105 Resp: 270264  
Ion Ratio Lower Upper  
105 100  
120 47.6 37.8 56.6



#63  
1,2,4-Trimethylbenzene  
Concen: 53.366 ug/L  
RT: 11.471 min Scan# 3151  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion:105 Resp: 276488  
Ion Ratio Lower Upper  
105 100  
120 44.1 35.2 52.8

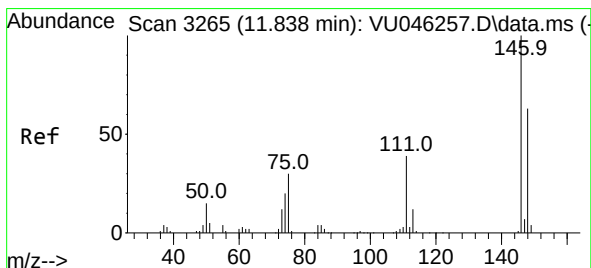
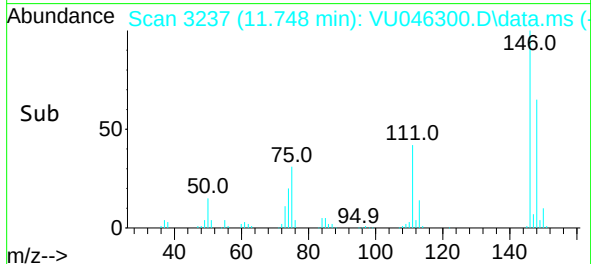
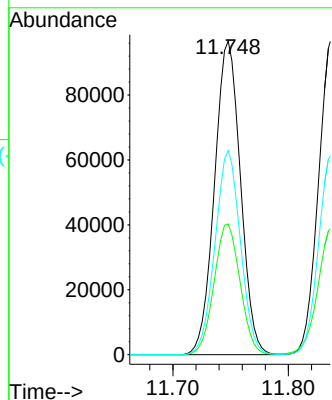
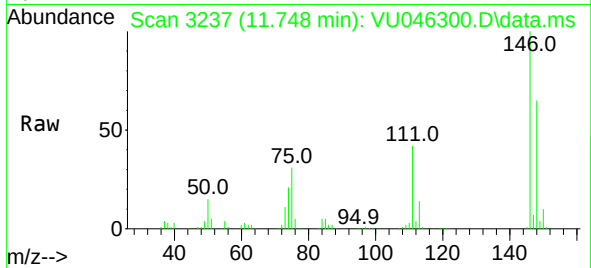




#64  
1,3-Dichlorobenzene  
Concen: 51.143 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

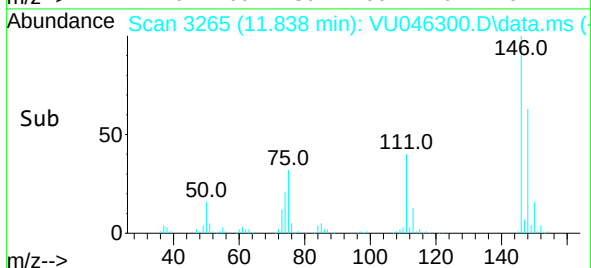
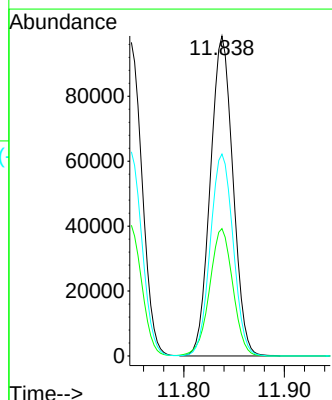
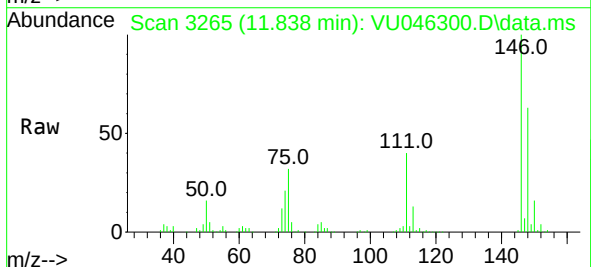
Instrument :  
MSVOA\_U  
ClientSampleId :

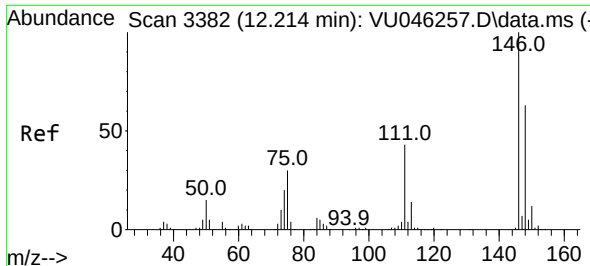
Tgt Ion:146 Resp: 150933  
Ion Ratio Lower Upper  
146 100  
111 41.7 29.5 54.9  
148 65.1 45.9 85.3



#65  
1,4-Dichlorobenzene  
Concen: 50.594 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion:146 Resp: 154312  
Ion Ratio Lower Upper  
146 100  
111 39.8 28.3 52.7  
148 63.1 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 51.298 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

Instrument :

MSVOA\_U

ClientSampleId :

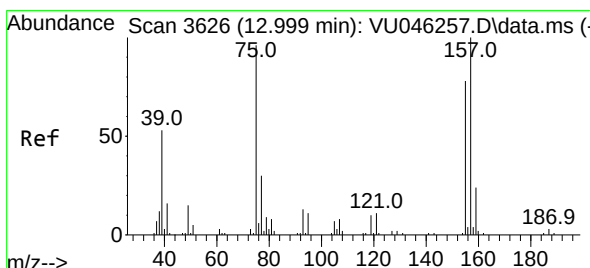
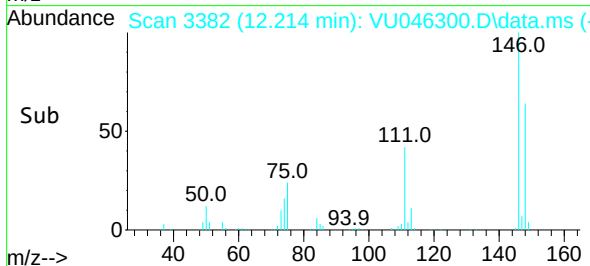
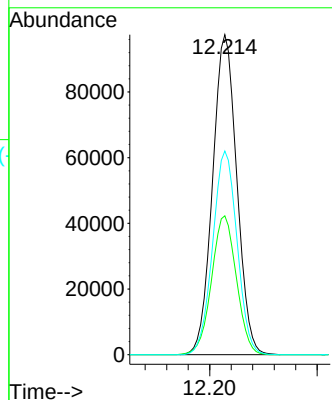
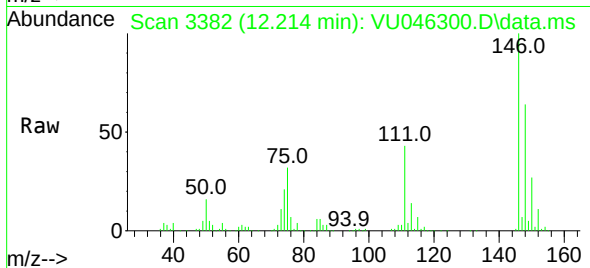
Tgt Ion:146 Resp: 152454

Ion Ratio Lower Upper

146 100

111 43.4 35.7 53.5

148 63.7 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 58.161 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046300.D

Acq: 11 Dec 2021 20:20

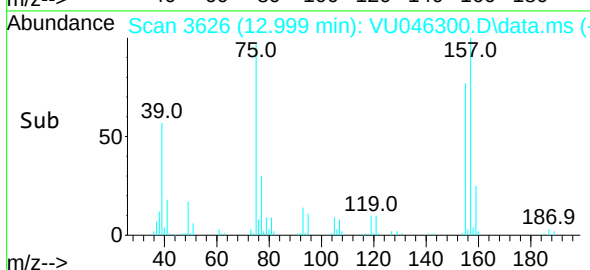
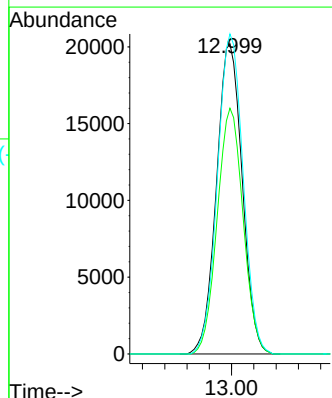
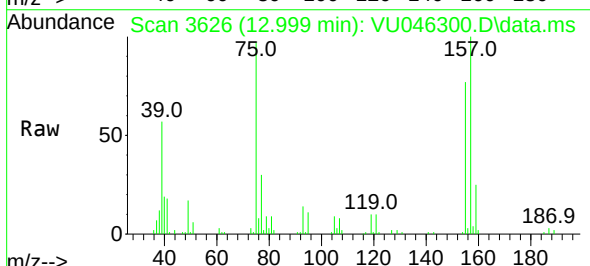
Tgt Ion: 75 Resp: 32432

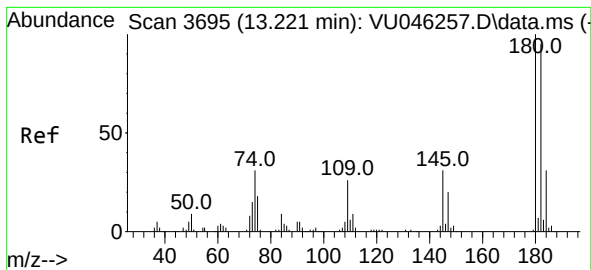
Ion Ratio Lower Upper

75 100

155 79.3 64.9 97.3

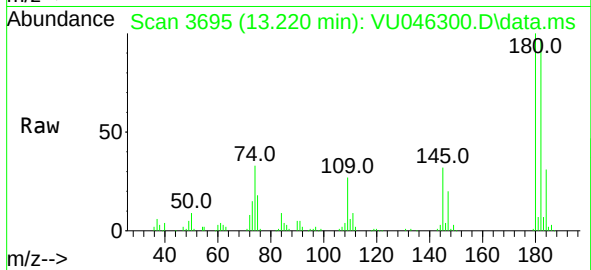
157 103.2 81.9 122.9



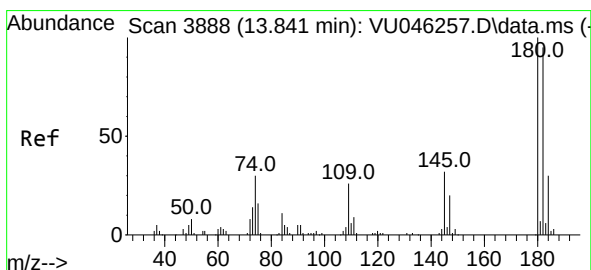
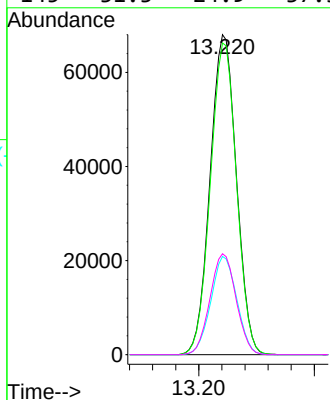
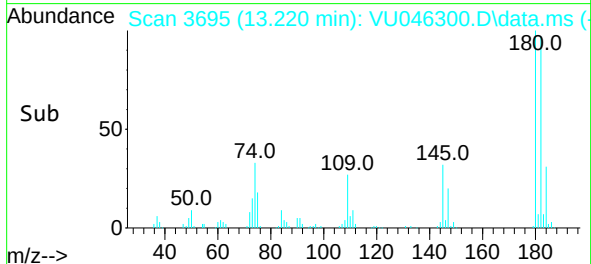


#69  
 1,3,5-Trichlorobenzene  
 Concen: 49.967 ug/L  
 RT: 13.220 min Scan# 3695  
 Delta R.T. -0.000 min  
 Lab File: VU046300.D  
 Acq: 11 Dec 2021 20:20

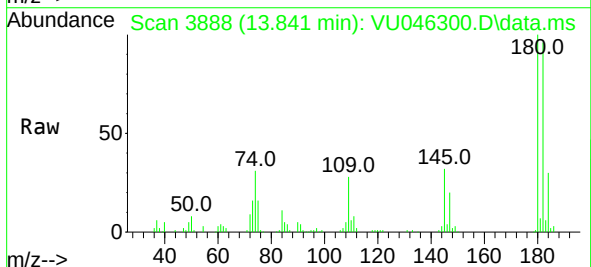
Instrument :  
 MSVOA\_U  
 ClientSampleId :



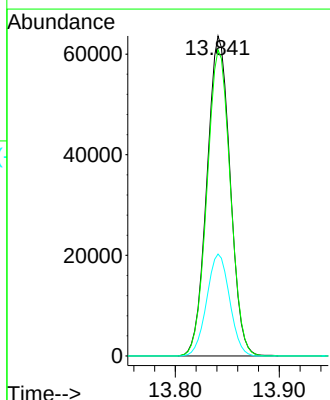
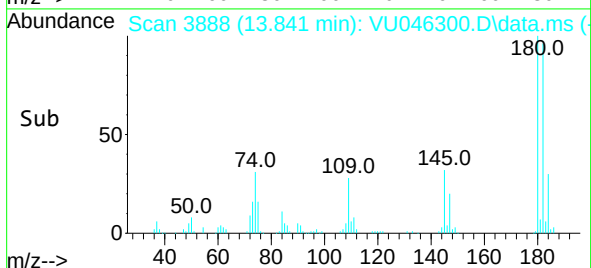
Tgt Ion:180 Resp: 107446  
 Ion Ratio Lower Upper  
 180 100  
 182 96.7 75.9 113.9  
 184 30.4 24.2 36.4  
 145 31.3 24.9 37.3

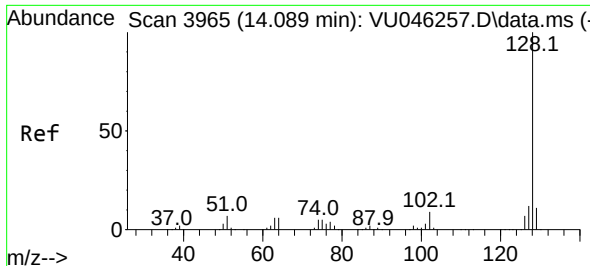


#70  
 1,2,4-trichlorobenzene  
 Concen: 51.573 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. -0.000 min  
 Lab File: VU046300.D  
 Acq: 11 Dec 2021 20:20



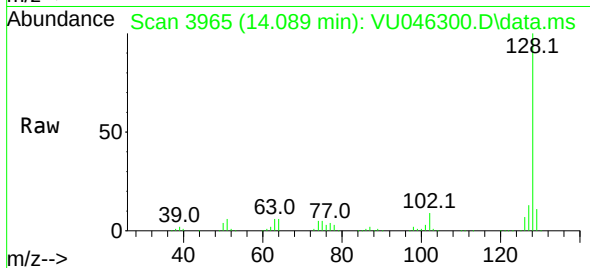
Tgt Ion:180 Resp: 98412  
 Ion Ratio Lower Upper  
 180 100  
 182 96.2 76.7 115.1  
 145 31.5 26.0 39.0



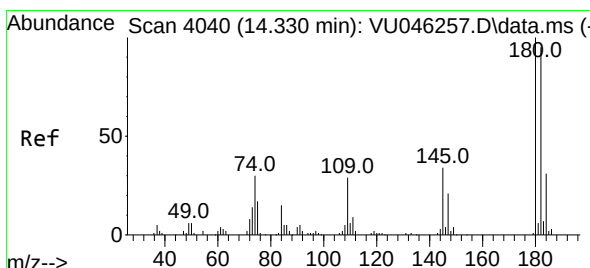
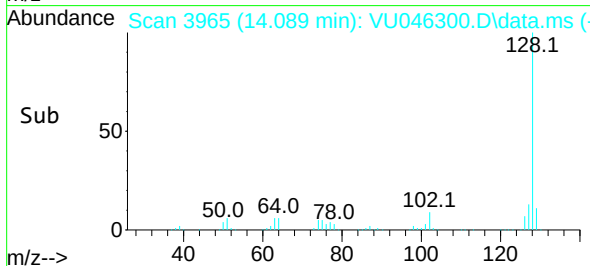
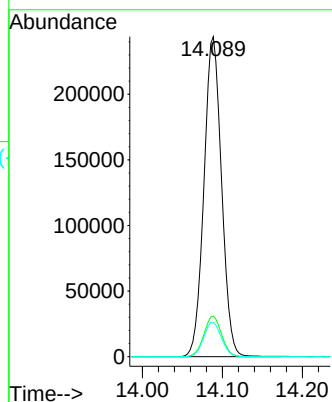


#71  
Naphthalene  
Concen: 56.224 ug/L  
RT: 14.089 min Scan# 3965  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 373338  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.1 15.1  
129 10.9 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 53.737 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU046300.D  
Acq: 11 Dec 2021 20:20

Tgt Ion:180 Resp: 104565  
Ion Ratio Lower Upper  
180 100  
182 97.2 76.0 114.0  
145 33.6 27.3 40.9

