

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051421\  
 Data File : VU043714.D  
 Acq On : 13 May 2021 20:59  
 Operator : SY/MD  
 Sample : VSTD01031  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 14 04:06:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051421WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 14 04:05:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114  | 472858   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117  | 454460   | 50.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152  | 229119   | 50.00 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65   | 39571    | 10.63 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.912  | 69   | 28538    | 10.53 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 63   | 66745    | 9.15  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.629  | 46   | 61148    | 16.25 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.073  | 84   | 67230    | 9.45  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65   | 41221    | 8.04  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.735  | 84   | 134911   | 10.36 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67   | 45151    | 10.38 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.906  | 98   | 118238   | 9.32  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79   | 18419    | 8.40  | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.639  | 63   | 36877    | 14.83 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761 | 84   | 64623    | 9.39  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152  | 44872    | 9.26  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388  | 85   | 41821    | 11.20 | ug/L  | 98       |
| 3) Chloromethane              | 1.523  | 50   | 51689    | 12.97 | ug/L  | 96       |
| 5) Vinyl chloride             | 1.607  | 62   | 47963    | 12.33 | ug/L  | 100      |
| 6) Bromomethane               | 1.851  | 94   | 26164    | 11.46 | ug/L  | 96       |
| 8) Chloroethane               | 1.935  | 64   | 28467    | 11.93 | ug/L  | 96       |
| 9) Trichlorofluoromethane     | 2.141  | 101  | 55754    | 9.27  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584  | 101  | 35636    | 10.52 | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 2.584  | 96   | 34879    | 11.31 | ug/L  | 98       |
| 13) Acetone                   | 2.629  | 43   | 45469    | 15.25 | ug/L  | 99       |
| 14) Carbon disulfide          | 2.800  | 76   | 110472   | 11.43 | ug/L  | 100      |
| 15) Methyl Acetate            | 2.954  | 43   | 50925    | 9.39  | ug/L  | 100      |
| 16) Methylene chloride        | 3.051  | 84   | 58648    | 16.01 | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 3.359  | 96   | 36110    | 11.01 | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 3.372  | 73   | 105636   | 9.49  | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.877  | 63   | 72239    | 10.78 | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 4.674  | 96   | 38700    | 10.62 | ug/L  | 95       |
| 22) 2-Butanone                | 4.710  | 43   | 71822    | 16.24 | ug/L  | 99       |
| 23) Bromochloromethane        | 4.980  | 128  | 21626    | 11.18 | ug/L  | 98       |
| 25) Chloroform                | 5.095  | 83   | 70233    | 10.19 | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 54534    | 8.94  | ug/L  | 99       |
| 29) Cyclohexane               | 5.398  | 56   | 57998    | 9.75  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.324  | 97   | 56232    | 9.38  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 45758    | 8.78  | ug/L  | 99       |
| 33) Benzene                   | 5.780  | 78   | 158816   | 11.11 | ug/L  | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 38165    | 10.50 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.771  | 83   | 56465    | 9.94  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 43890    | 11.17 | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.111  | 83   | 51113    | 9.92  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.613  | 75   | 55745    | 9.62  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 121310   | 15.58 | ug/L  | 99       |
| 42) Toluene                   | 7.976  | 91   | 163033   | 10.50 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.217  | 75   | 52948    | 9.05  | ug/L  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051421\  
 Data File : VU043714.D  
 Acq On : 13 May 2021 20:59  
 Operator : SY/MD  
 Sample : VSTD01031  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

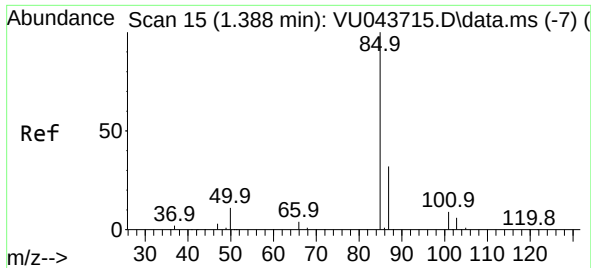
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 14 04:06:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051421WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 14 04:05:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 39828    | 10.88 | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.558  | 164  | 30628    | 10.32 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.690  | 43   | 95582    | 14.69 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.816  | 129  | 39386    | 9.43  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 40660    | 9.98  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.452  | 112  | 100726   | 10.47 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.578  | 91   | 161074   | 9.50  | ug/L  | 97       |
| 53) m,p-Xylene                | 9.700  | 106  | 59743    | 9.47  | ug/L  | 100      |
| 54) o-xylene                  | 10.105 | 106  | 59589    | 9.57  | ug/L  | 98       |
| 55) Styrene                   | 10.121 | 104  | 96826    | 9.10  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 70635    | 10.10 | ug/L  | 99       |
| 59) Bromoform                 | 10.298 | 173  | 30660    | 9.66  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.828 | 75   | 56909    | 10.50 | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.491 | 105  | 148797   | 9.58  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 114656   | 8.64  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 114608   | 8.35  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 73408    | 9.71  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.841 | 146  | 75578    | 9.83  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 12.217 | 146  | 77461    | 9.95  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 13.002 | 75   | 15079    | 8.38  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 52808    | 8.86  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.847 | 180  | 42883    | 8.41  | ug/L  | 99       |
| 71) Naphthalene               | 14.092 | 128  | 134229   | 8.33  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 46726    | 8.93  | ug/L  | 99       |
| -----                         |        |      |          |       |       |          |

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

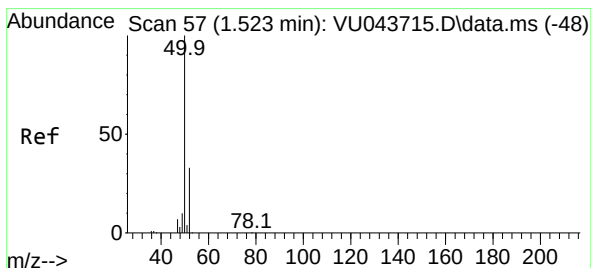
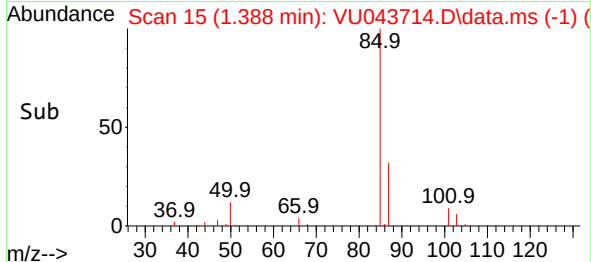
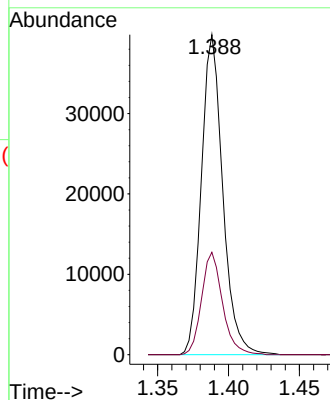
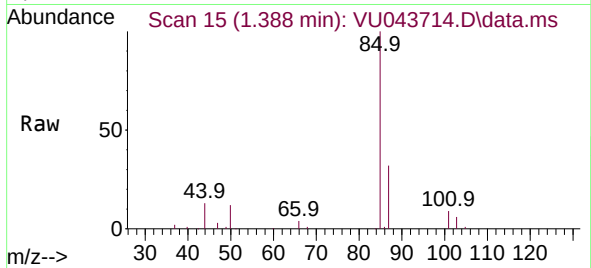




#2  
Dichlorodifluoromethane  
Concen: 11.20 ug/L  
RT: 1.388 min Scan# 15  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

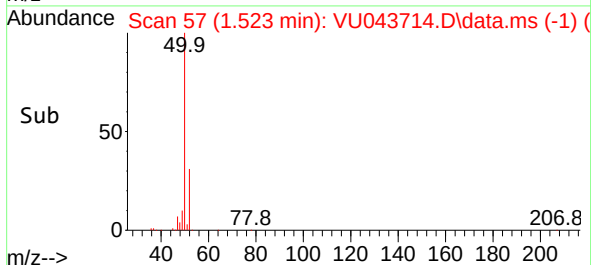
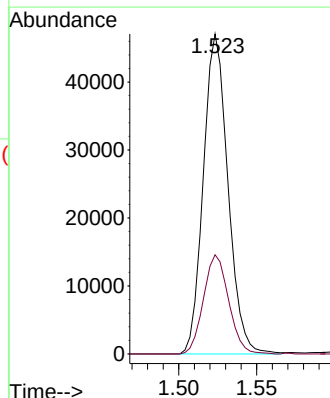
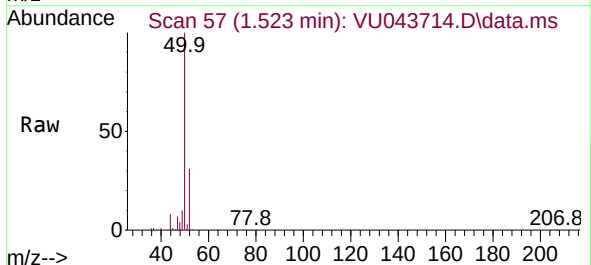
Instrument :  
MSVOA\_U  
ClientSampled :

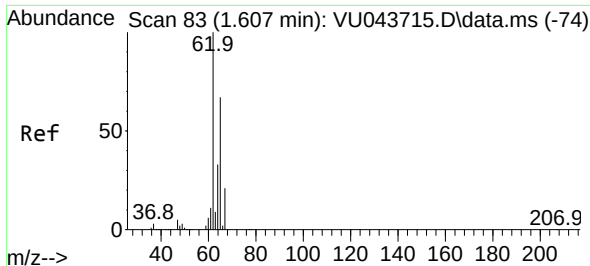
Tgt Ion: 85 Resp: 41821  
Ion Ratio Lower Upper  
85 100  
87 31.2 25.9 38.9



#3  
Chloromethane  
Concen: 12.97 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion: 50 Resp: 51689  
Ion Ratio Lower Upper  
50 100  
52 31.0 23.2 43.2

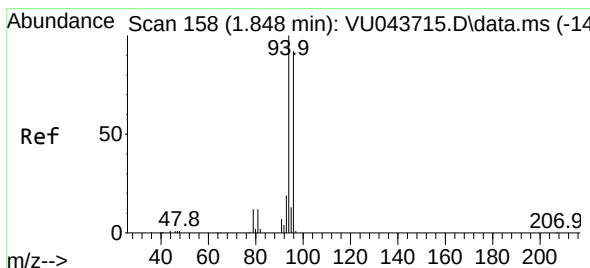
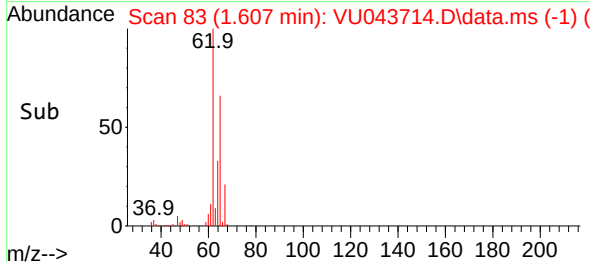
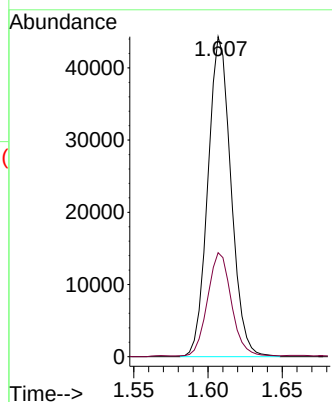
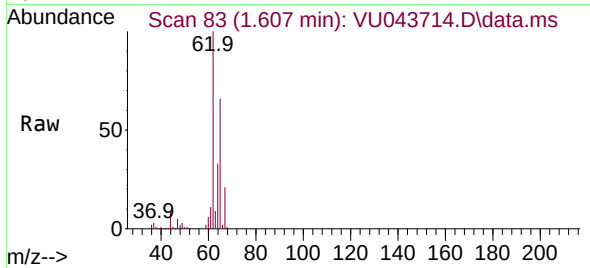




#5  
 Vinyl chloride  
 Concen: 12.33 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. -0.000 min  
 Lab File: VU043714.D  
 Acq: 13 May 2021 20:59

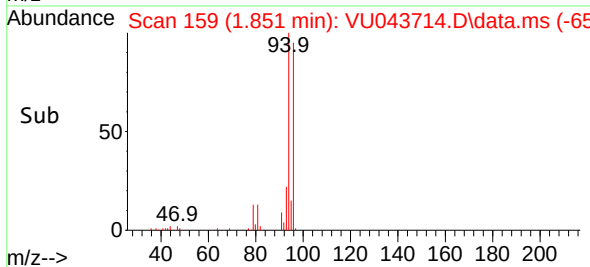
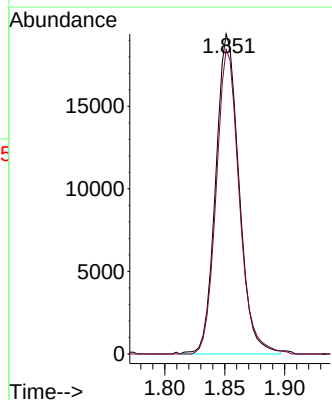
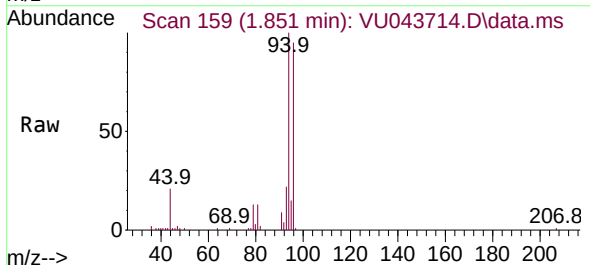
Instrument :  
 MSVOA\_U  
 ClientSampleId :

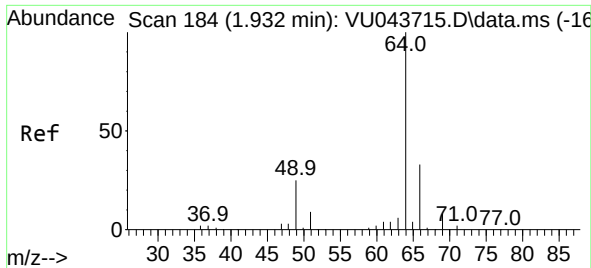
Tgt Ion: 62 Resp: 47963  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 22.9 42.5



#6  
 Bromomethane  
 Concen: 11.46 ug/L  
 RT: 1.851 min Scan# 159  
 Delta R.T. 0.003 min  
 Lab File: VU043714.D  
 Acq: 13 May 2021 20:59

Tgt Ion: 94 Resp: 26164  
 Ion Ratio Lower Upper  
 94 100  
 96 95.1 64.2 119.2

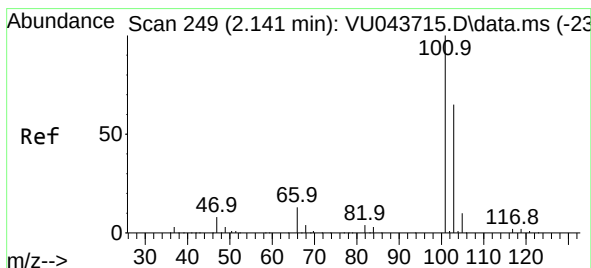
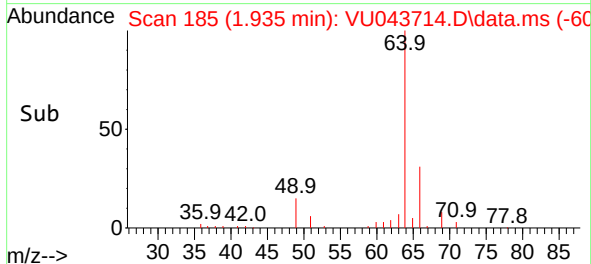
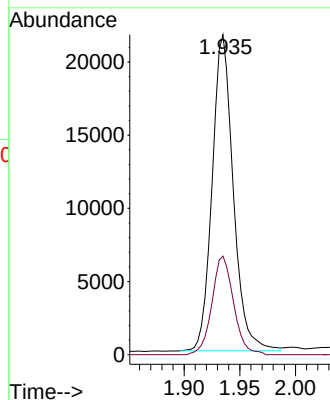
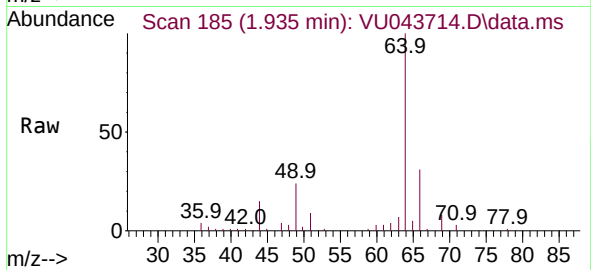




#8  
Chloroethane  
Concen: 11.93 ug/L  
RT: 1.935 min Scan# 185  
Delta R.T. 0.003 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

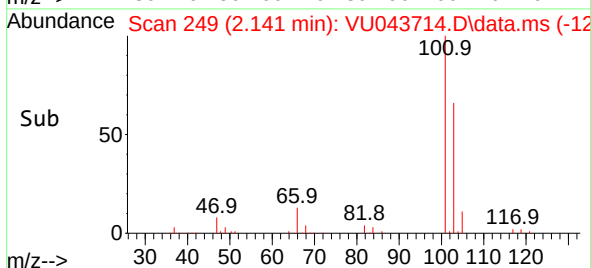
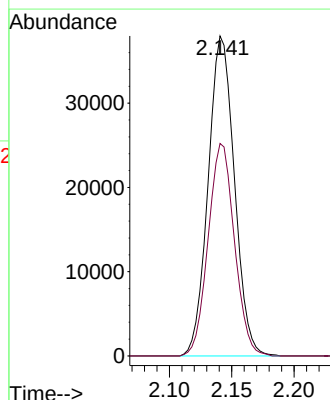
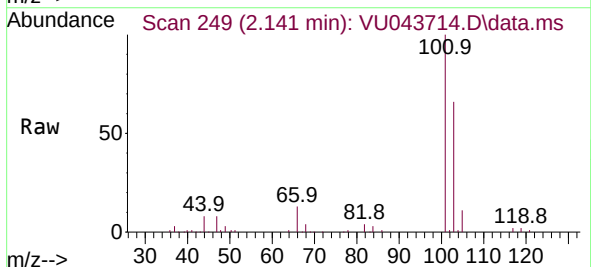
Instrument :  
MSVOA\_U  
ClientSampled :

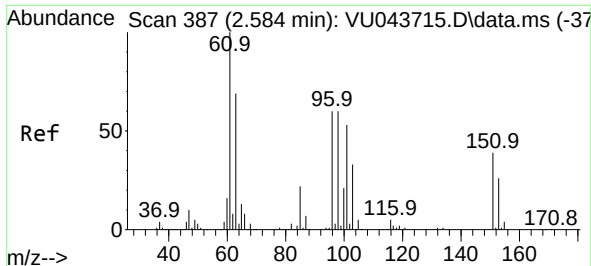
Tgt Ion: 64 Resp: 28467  
Ion Ratio Lower Upper  
64 100  
66 30.8 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 9.27 ug/L  
RT: 2.141 min Scan# 249  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion:101 Resp: 55754  
Ion Ratio Lower Upper  
101 100  
103 66.3 52.3 78.5





#10

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

Concen: 10.52 ug/L

RT: 2.584 min Scan# 387

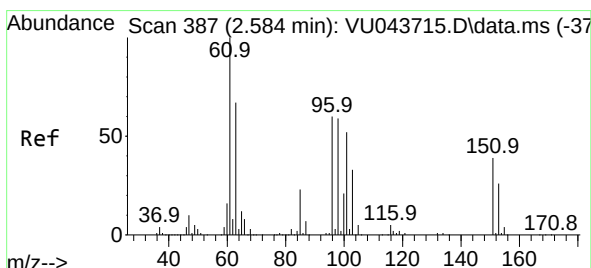
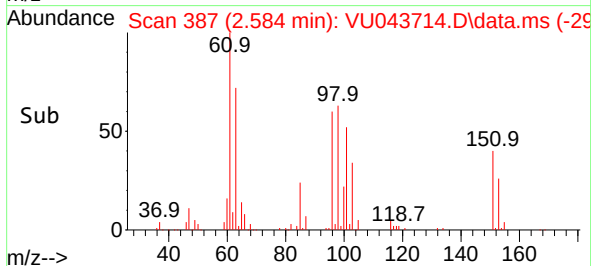
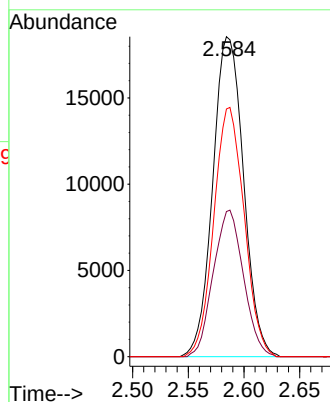
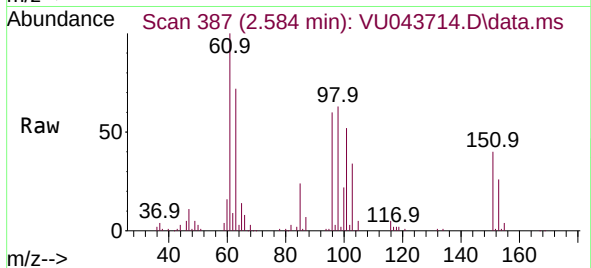
Delta R.T. -0.000 min

Lab File: VU043714.D

Acq: 13 May 2021 20:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 35636 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.9  | 34.2  | 51.4  |
| 151       | 77.0  | 60.4  | 90.6  |

Instrument :  
MSVOA\_U  
ClientSampleId :



#12

1,1-Dichloroethene

Concen: 11.31 ug/L

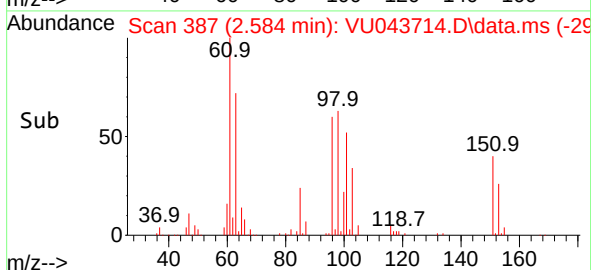
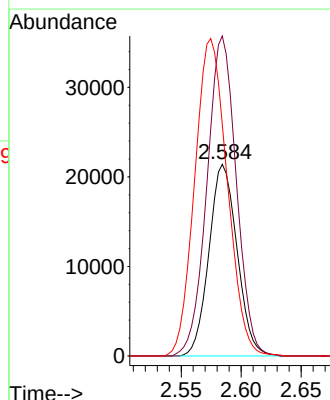
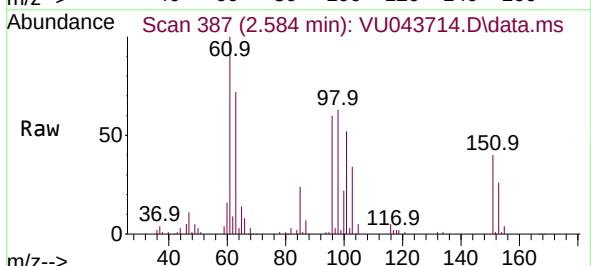
RT: 2.584 min Scan# 387

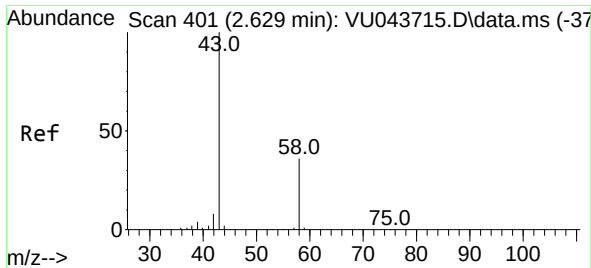
Delta R.T. -0.000 min

Lab File: VU043714.D

Acq: 13 May 2021 20:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 34879 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 166.9 | 116.3 | 215.9 |
| 63        | 121.0 | 80.8  | 150.2 |

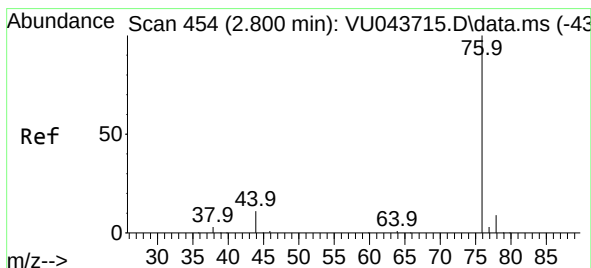
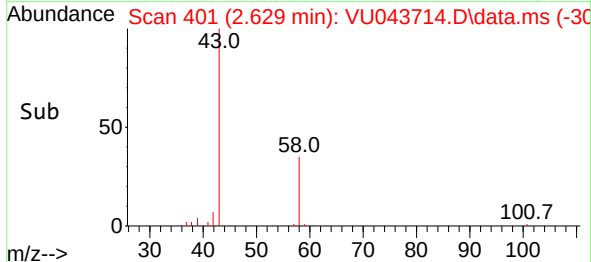
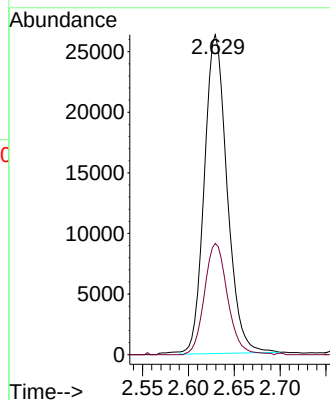
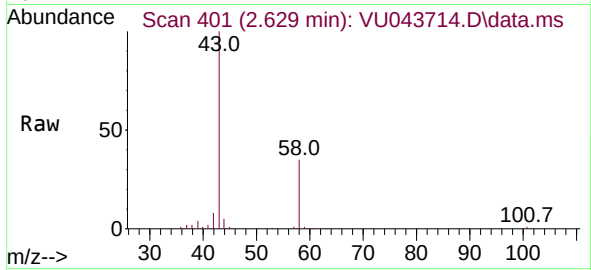




#13  
Acetone  
Concen: 15.25 ug/L  
RT: 2.629 min Scan# 401  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

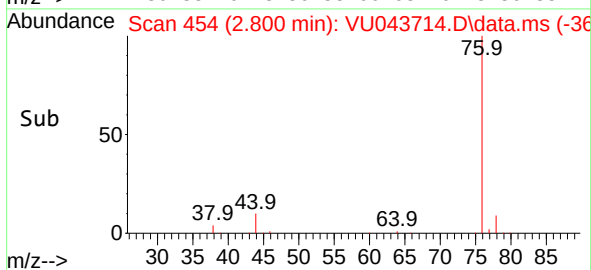
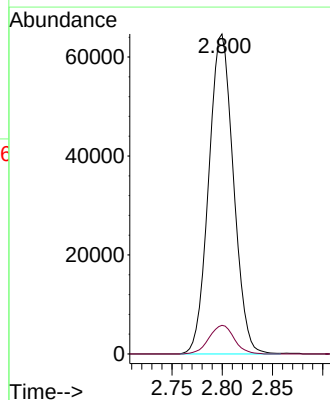
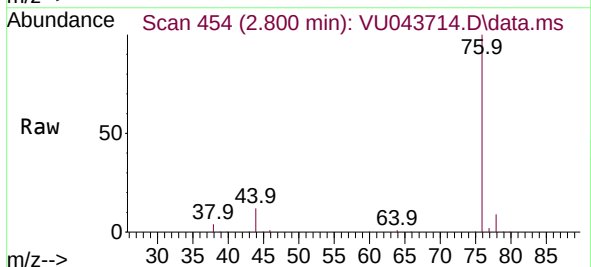
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 43 Resp: 45469  
Ion Ratio Lower Upper  
43 100  
58 35.4 0.0 69.4

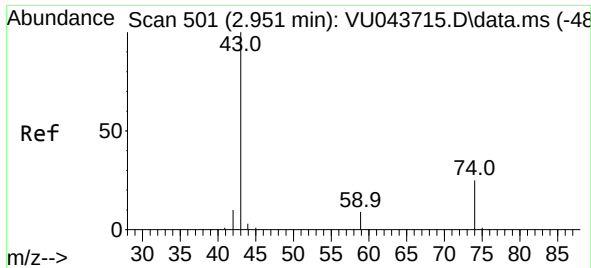


#14  
Carbon disulfide  
Concen: 11.43 ug/L  
RT: 2.800 min Scan# 454  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion: 76 Resp: 110472  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.1 10.7



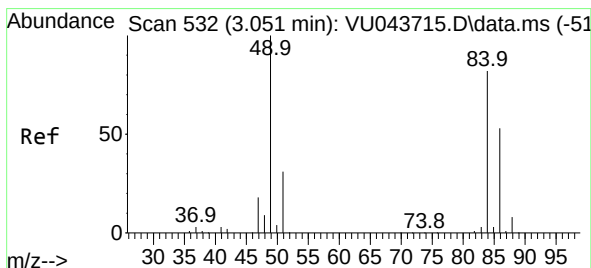
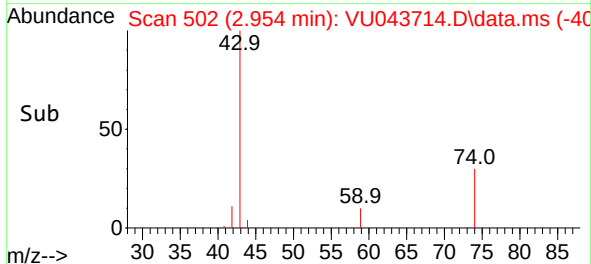
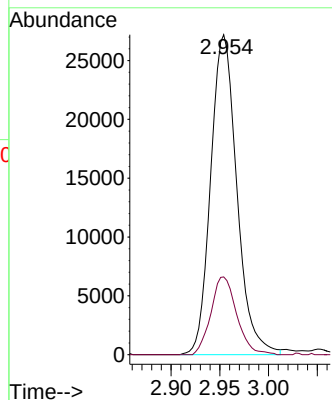
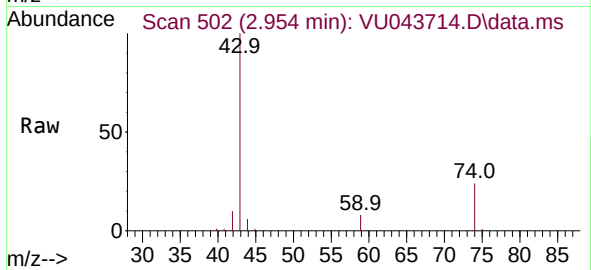




#15  
Methyl Acetate  
Concen: 9.39 ug/L  
RT: 2.954 min Scan# 502  
Delta R.T. 0.003 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

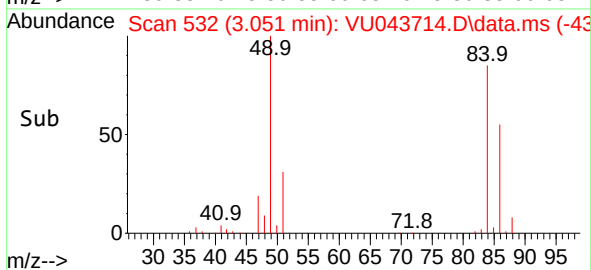
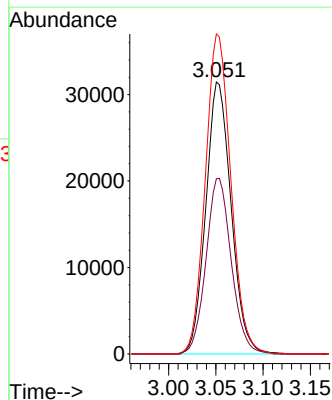
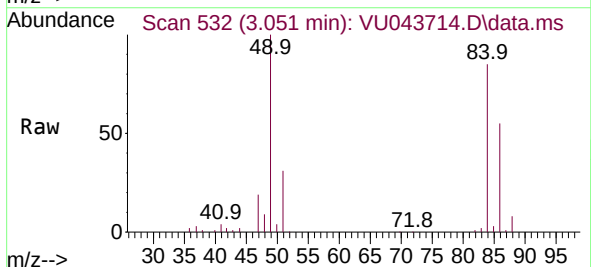
Instrument :  
MSVOA\_U  
ClientSampled :

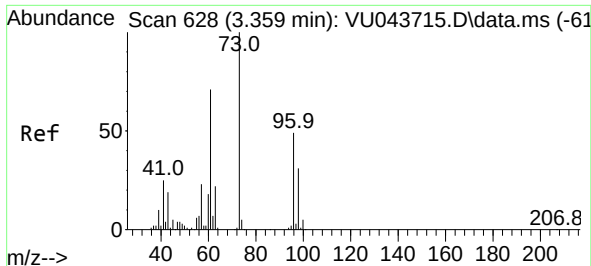
Tgt Ion: 43 Resp: 50925  
Ion Ratio Lower Upper  
43 100  
74 23.9 19.3 28.9



#16  
Methylene chloride  
Concen: 16.01 ug/L  
RT: 3.051 min Scan# 532  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion: 84 Resp: 58648  
Ion Ratio Lower Upper  
84 100  
86 64.4 44.9 83.5  
49 117.7 84.9 157.7

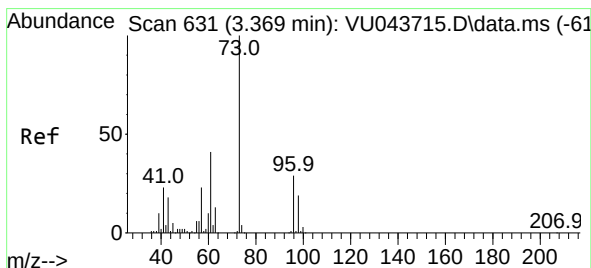
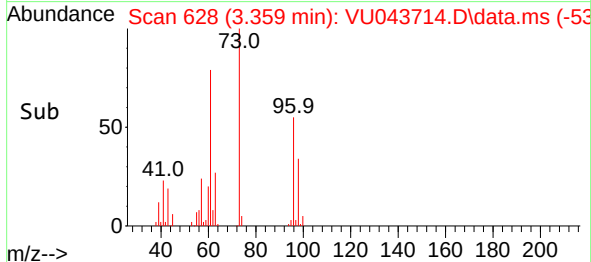
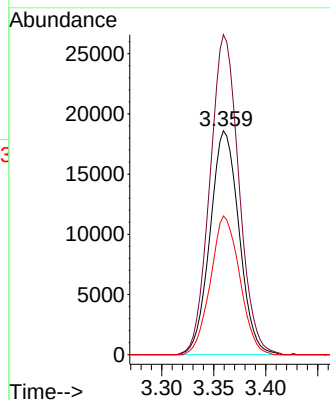
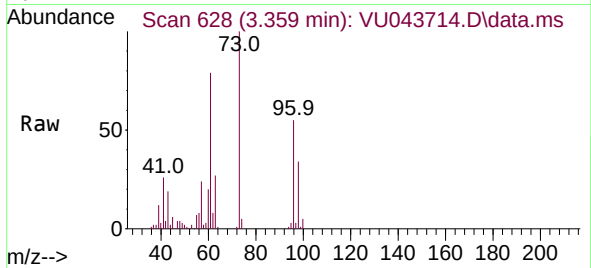




#17  
trans-1,2-Dichloroethene  
Concen: 11.01 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

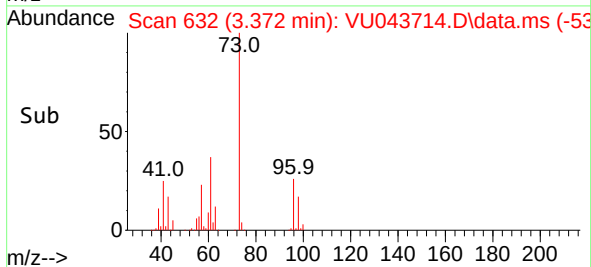
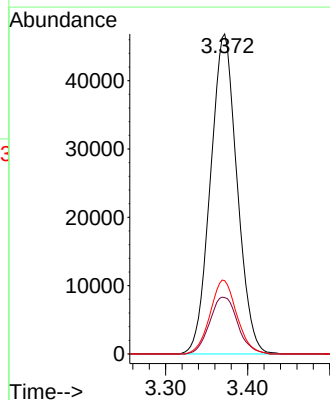
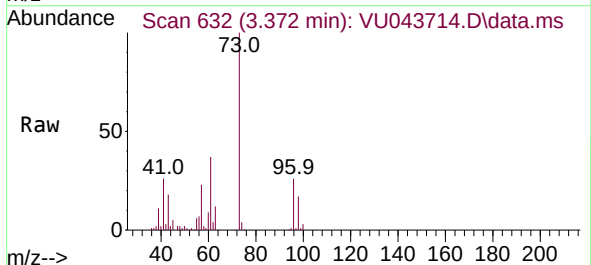
Instrument :  
MSVOA\_U  
ClientSampleId :

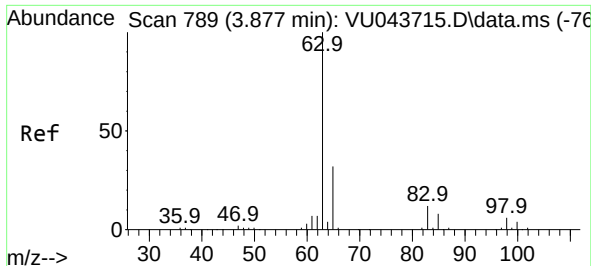
Tgt Ion: 96 Resp: 36110  
Ion Ratio Lower Upper  
96 100  
61 143.0 101.5 188.5  
98 62.0 44.9 83.5



#18  
Methyl tert-butyl Ether  
Concen: 9.49 ug/L  
RT: 3.372 min Scan# 632  
Delta R.T. 0.003 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion: 73 Resp: 105636  
Ion Ratio Lower Upper  
73 100  
43 18.7 14.6 22.0  
57 23.1 18.2 27.4





#19

1,1-Dichloroethane

Concen: 10.78 ug/L

RT: 3.877 min Scan# 789

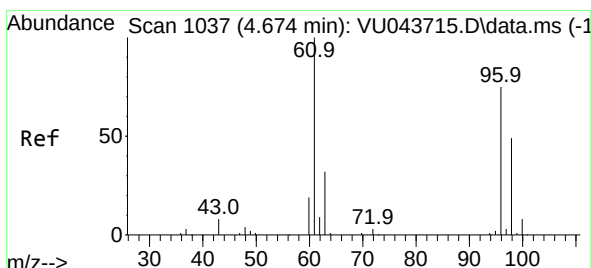
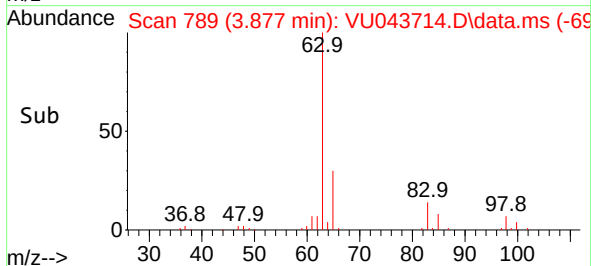
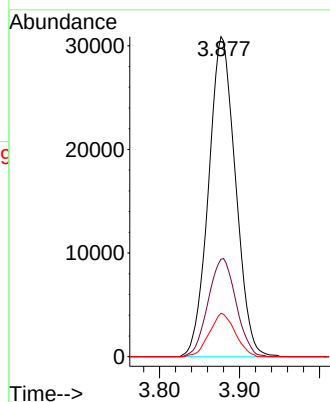
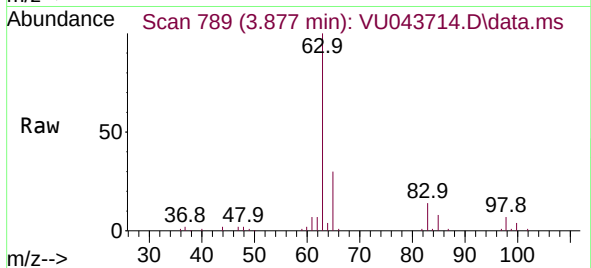
Delta R.T. -0.000 min

Lab File: VU043714.D

Acq: 13 May 2021 20:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 72239 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 30.5  | 22.0  | 41.0  |
| 83       | 13.6  | 8.7   | 16.1  |

Instrument :  
MSVOA\_U  
ClientSampleId :



#20

cis-1,2-Dichloroethene

Concen: 10.62 ug/L

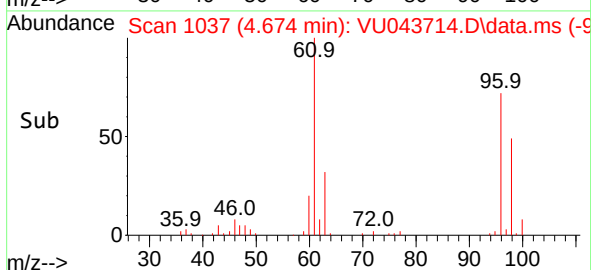
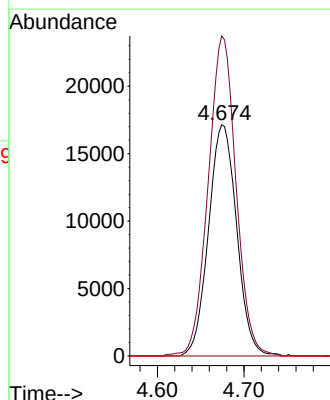
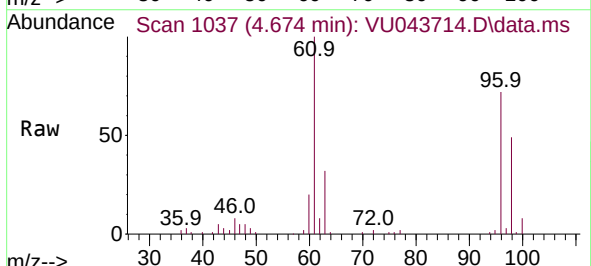
RT: 4.674 min Scan# 1037

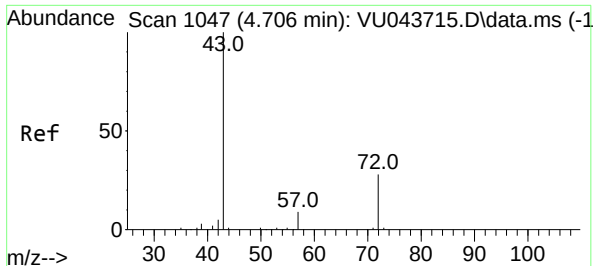
Delta R.T. -0.000 min

Lab File: VU043714.D

Acq: 13 May 2021 20:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 38700 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 138.4 | 93.1  | 172.9 |
| 68       | 0.0   | 0.0   | 0.0   |





#22

2-Butanone

Concen: 16.24 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU043714.D

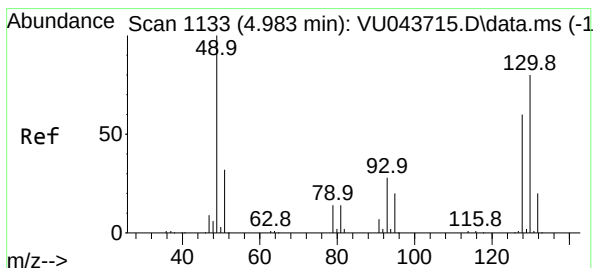
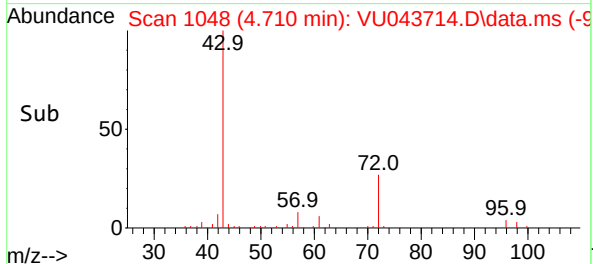
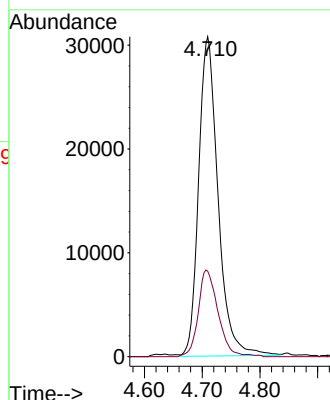
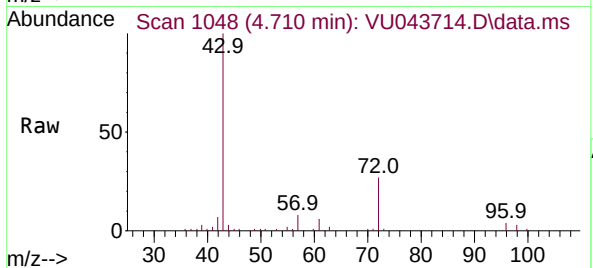
Acq: 13 May 2021 20:59

Tgt Ion: 43 Resp: 71822

Ion Ratio Lower Upper

43 100

72 27.3 13.9 41.6



#23

Bromochloromethane

Concen: 11.18 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.003 min

Lab File: VU043714.D

Acq: 13 May 2021 20:59

Tgt Ion:128 Resp: 21626

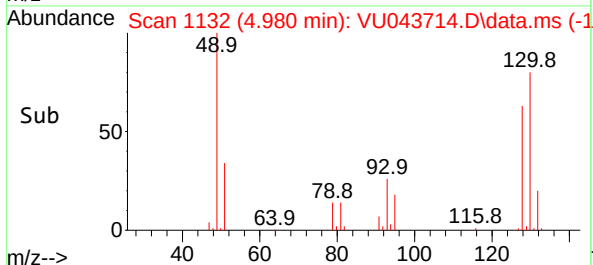
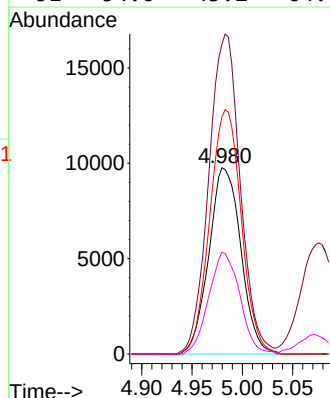
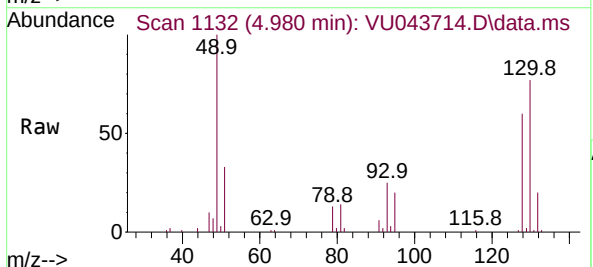
Ion Ratio Lower Upper

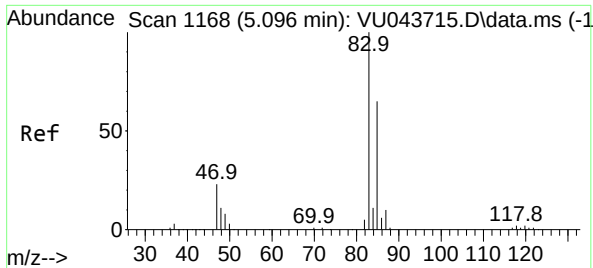
128 100

49 166.3 116.8 216.8

130 127.4 93.3 173.3

51 54.6 43.2 64.8





#25

Chloroform

Concen: 10.19 ug/L

RT: 5.095 min Scan# 1168

Delta R.T. -0.000 min

Lab File: VU043714.D

Acq: 13 May 2021 20:59

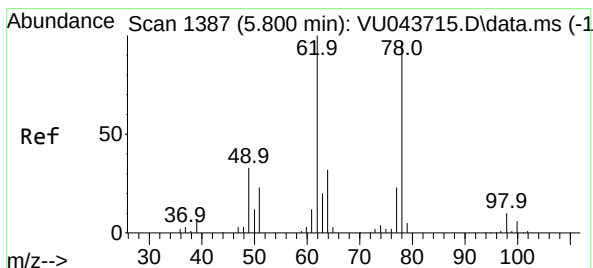
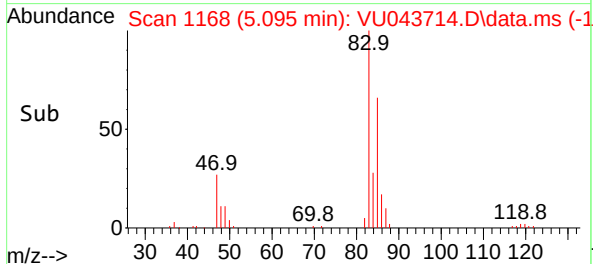
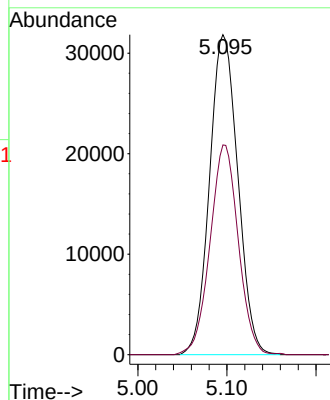
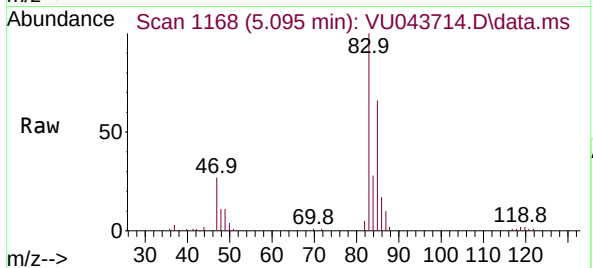
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 83 Resp: 70233

Ion Ratio Lower Upper

83 100

85 65.6 45.7 84.9



#27

1,2-Dichloroethane

Concen: 8.94 ug/L

RT: 5.803 min Scan# 1388

Delta R.T. 0.003 min

Lab File: VU043714.D

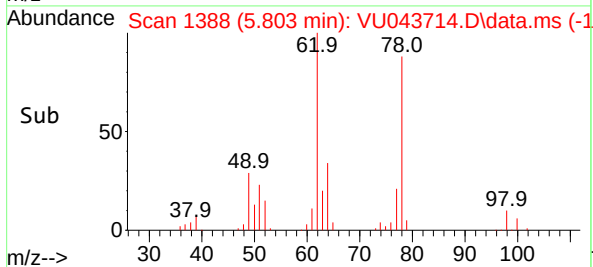
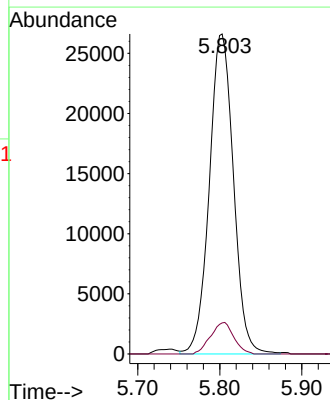
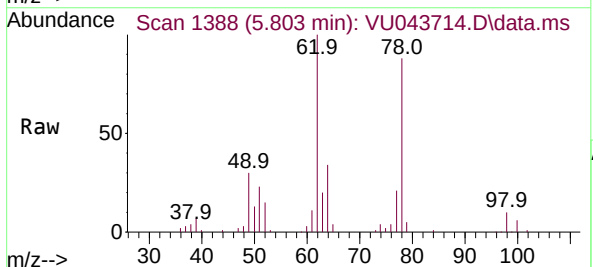
Acq: 13 May 2021 20:59

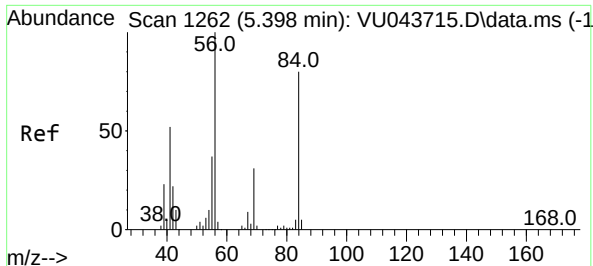
Tgt Ion: 62 Resp: 54534

Ion Ratio Lower Upper

62 100

98 9.7 7.6 11.4





#29

Cyclohexane

Concen: 9.75 ug/L

RT: 5.398 min Scan# 1262

Delta R.T. -0.000 min

Lab File: VU043714.D

Acq: 13 May 2021 20:59

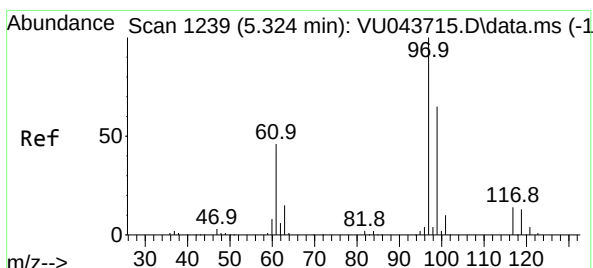
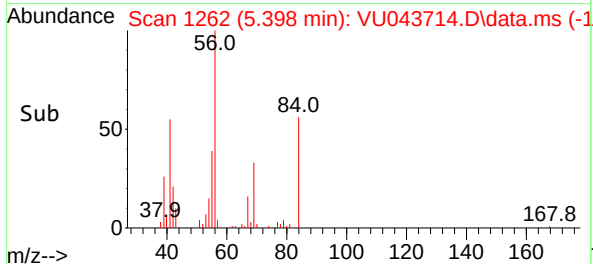
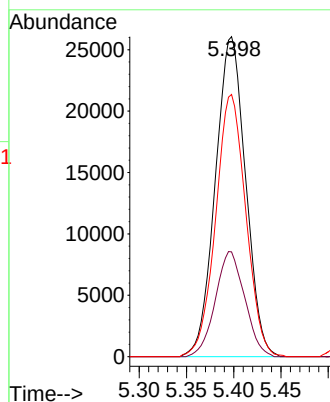
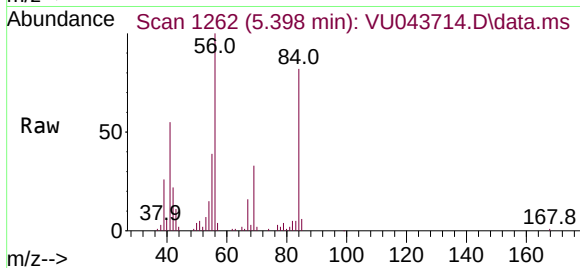
Tgt Ion: 56 Resp: 57998

Ion Ratio Lower Upper

56 100

69 31.9 24.6 37.0

84 81.7 65.0 97.4



#30

1,1,1-Trichloroethane

Concen: 9.38 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VU043714.D

Acq: 13 May 2021 20:59

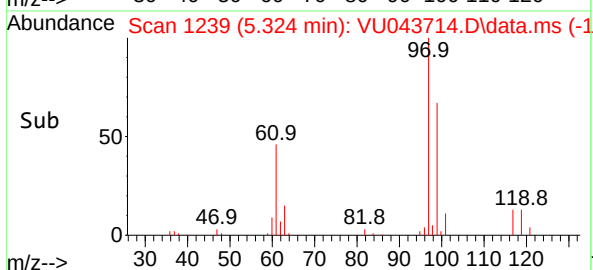
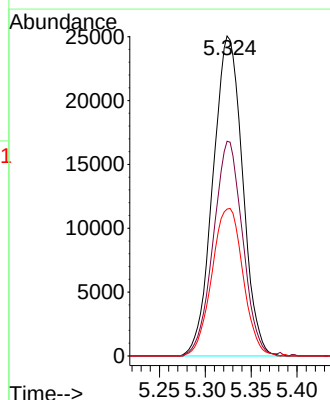
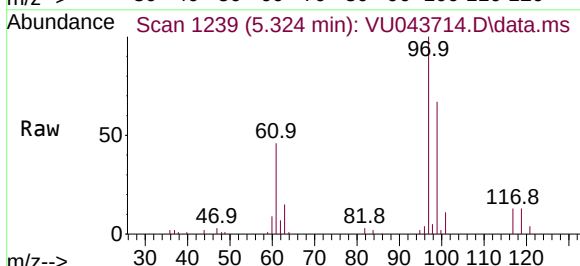
Tgt Ion: 97 Resp: 56232

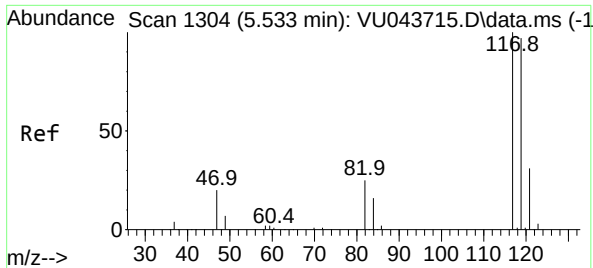
Ion Ratio Lower Upper

97 100

99 66.4 51.7 77.5

61 48.4 36.9 55.3

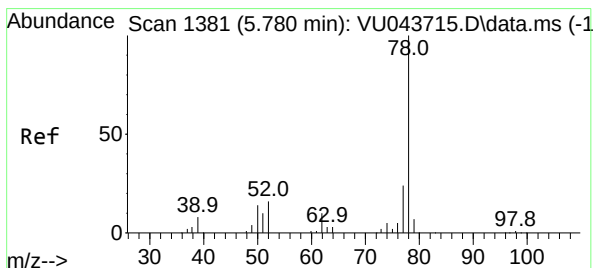
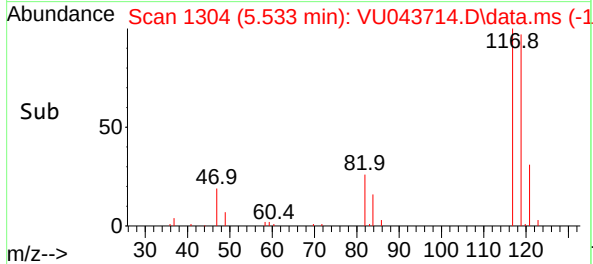
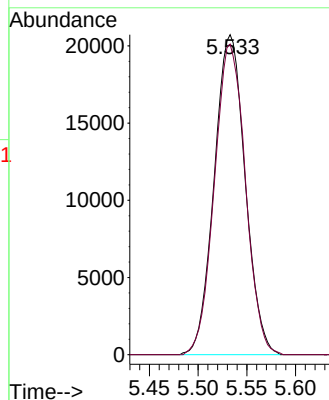
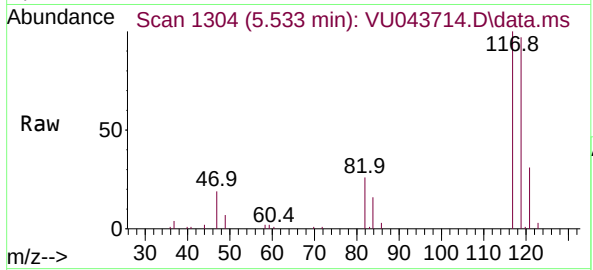




#31  
Carbon tetrachloride  
Concen: 8.78 ug/L  
RT: 5.533 min Scan# 1304  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

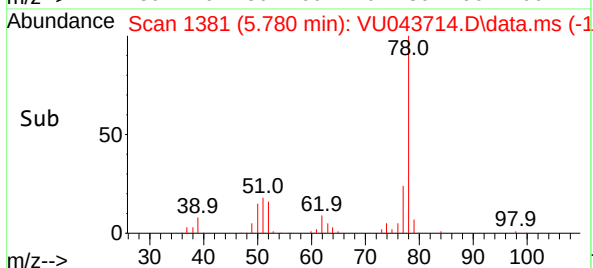
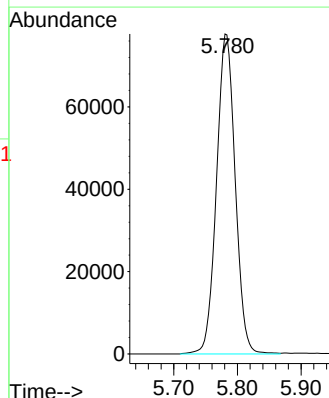
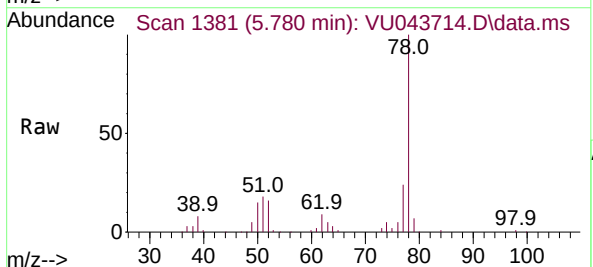
Instrument :  
MSVOA\_U  
ClientSampleId :

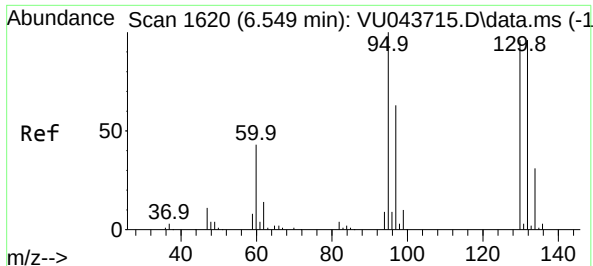
Tgt Ion:117 Resp: 45758  
Ion Ratio Lower Upper  
117 100  
119 97.1 77.0 115.6



#33  
Benzene  
Concen: 11.11 ug/L  
RT: 5.780 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion: 78 Resp: 158816



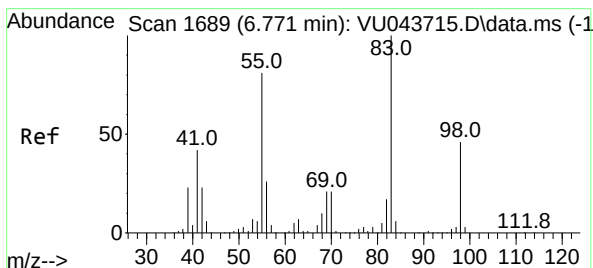
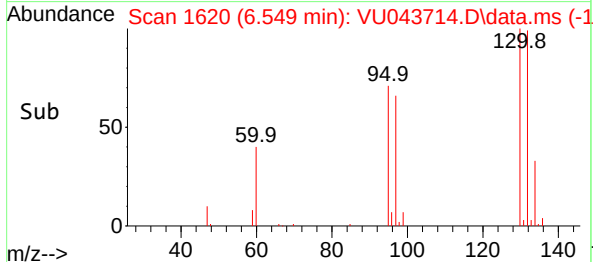
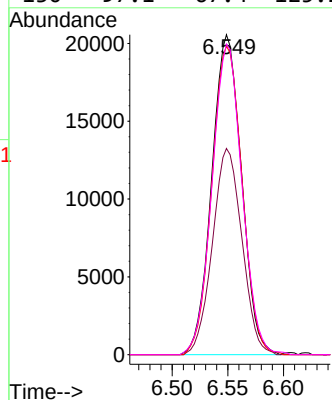
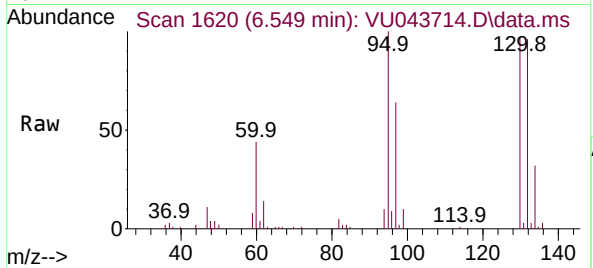


#34  
Trichloroethene  
Concen: 10.50 ug/L  
RT: 6.549 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 95 Resp: 38165

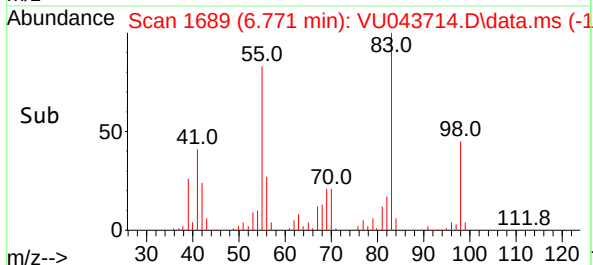
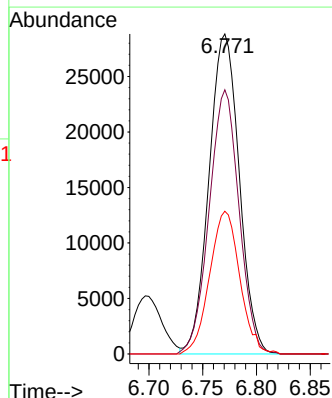
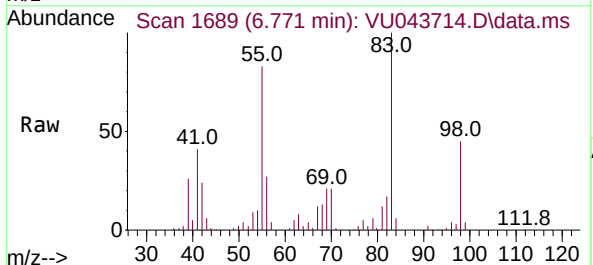
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.5  | 44.2  | 82.2  |
| 132 | 96.4  | 66.8  | 124.2 |
| 130 | 97.1  | 67.4  | 125.2 |



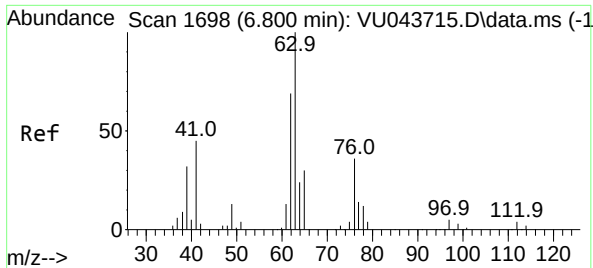
#35  
Methylcyclohexane  
Concen: 9.94 ug/L  
RT: 6.771 min Scan# 1689  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion: 83 Resp: 56465

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 81.4  | 63.8  | 95.6  |
| 98  | 44.4  | 36.2  | 54.2  |



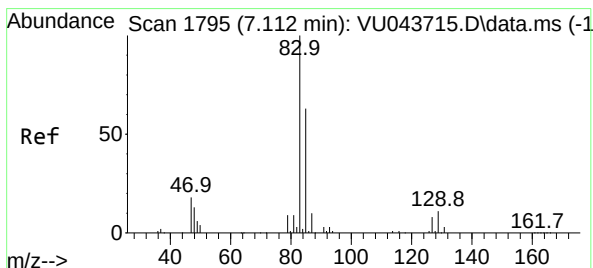
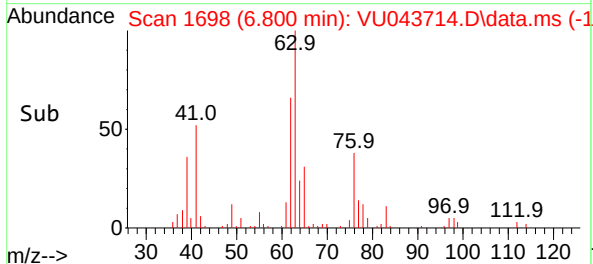
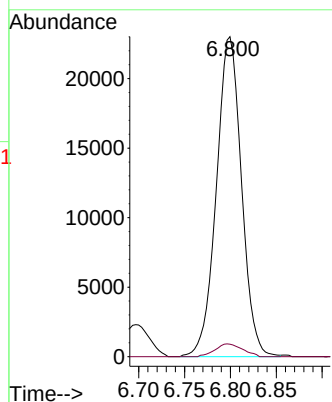
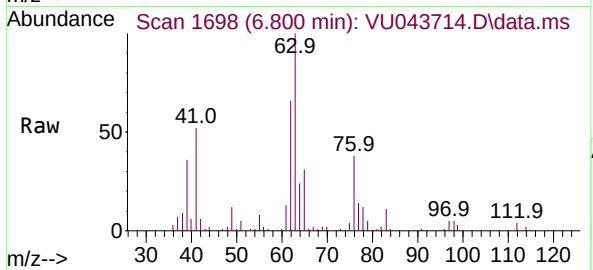




#37  
1,2-Dichloropropane  
Concen: 11.17 ug/L  
RT: 6.800 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

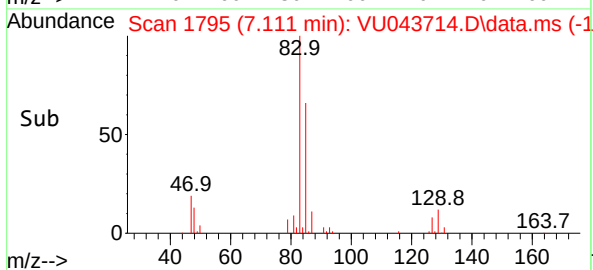
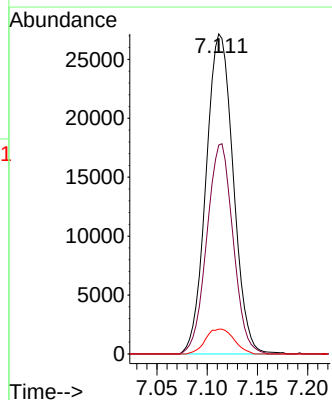
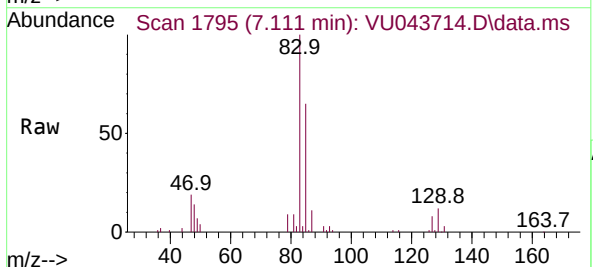
Instrument :  
MSVOA\_U  
ClientSampled :

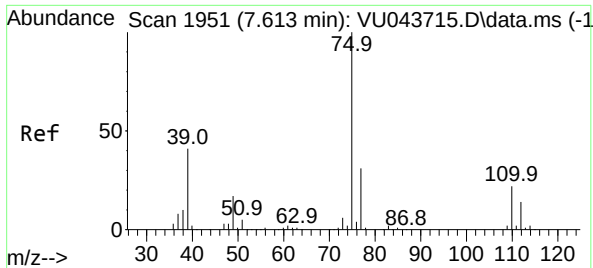
Tgt Ion: 63 Resp: 43890  
Ion Ratio Lower Upper  
63 100  
112 4.4 3.0 4.4



#38  
Bromodichloromethane  
Concen: 9.92 ug/L  
RT: 7.111 min Scan# 1795  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion: 83 Resp: 51113  
Ion Ratio Lower Upper  
83 100  
85 65.3 44.3 82.3  
127 8.5 6.6 9.8

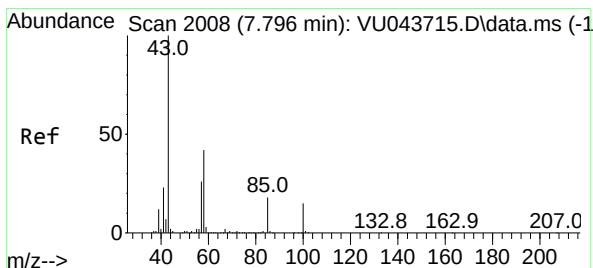
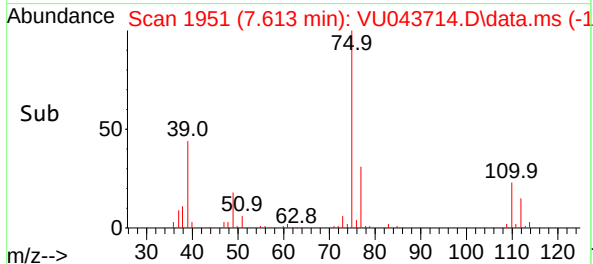
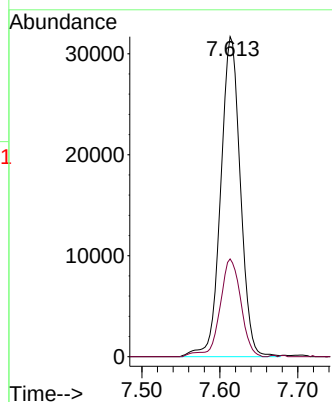
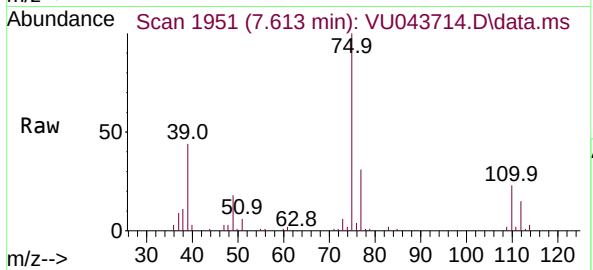




#39  
 cis-1,3-Dichloropropene  
 Concen: 9.62 ug/L  
 RT: 7.613 min Scan# 1951  
 Delta R.T. -0.000 min  
 Lab File: VU043714.D  
 Acq: 13 May 2021 20:59

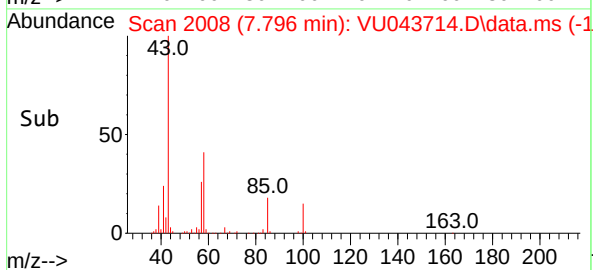
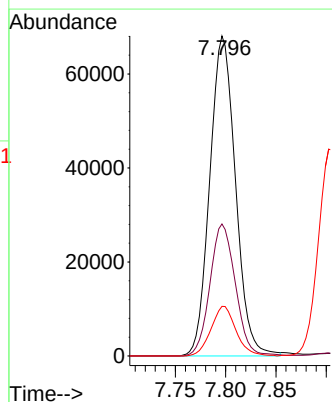
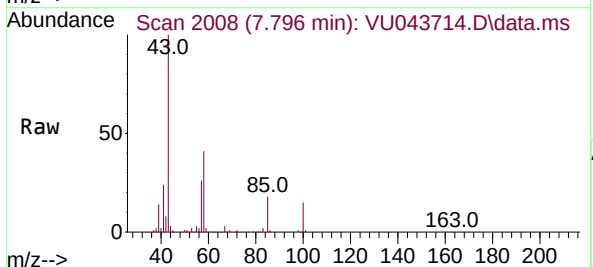
Instrument :  
 MSVOA\_U  
 ClientSampled :

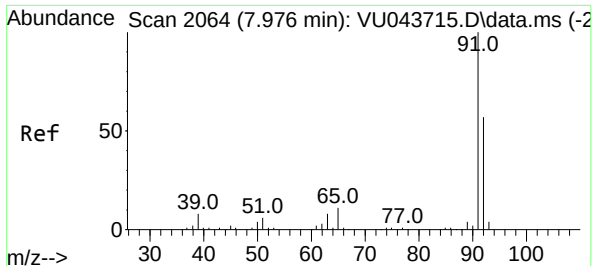
Tgt Ion: 75 Resp: 55745  
 Ion Ratio Lower Upper  
 75 100  
 77 30.6 22.0 41.0



#40  
 4-Methyl-2-pentanone  
 Concen: 15.58 ug/L  
 RT: 7.796 min Scan# 2008  
 Delta R.T. -0.000 min  
 Lab File: VU043714.D  
 Acq: 13 May 2021 20:59

Tgt Ion: 43 Resp: 121310  
 Ion Ratio Lower Upper  
 43 100  
 58 40.7 33.4 50.0  
 100 15.1 12.2 18.2





#42

Toluene

Concen: 10.50 ug/L

RT: 7.976 min Scan# 2064

Delta R.T. -0.000 min

Lab File: VU043714.D

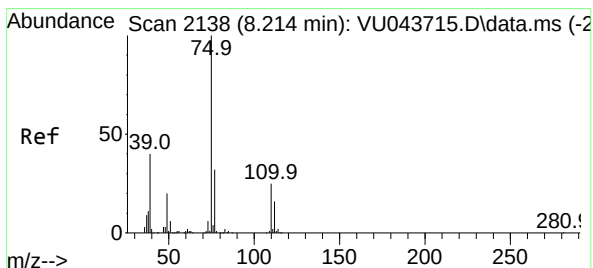
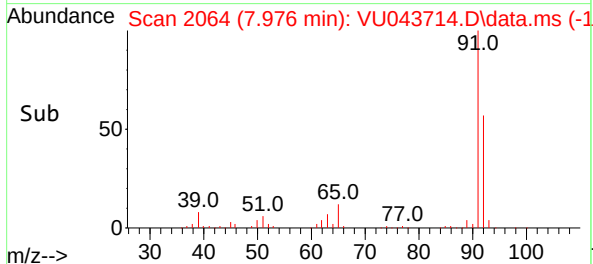
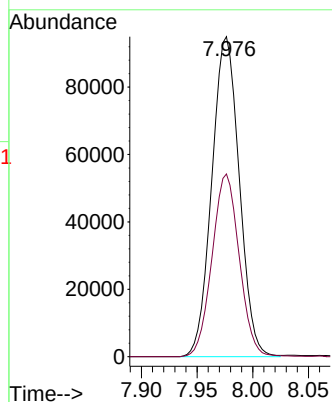
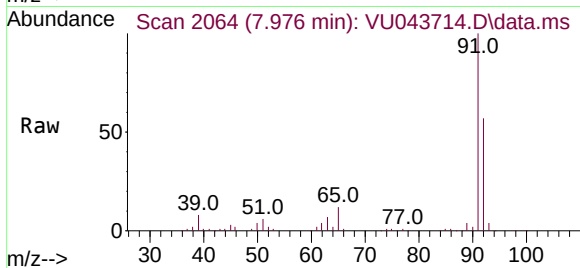
Acq: 13 May 2021 20:59

Tgt Ion: 91 Resp: 163033

Ion Ratio Lower Upper

91 100

92 57.1 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 9.05 ug/L

RT: 8.217 min Scan# 2139

Delta R.T. 0.003 min

Lab File: VU043714.D

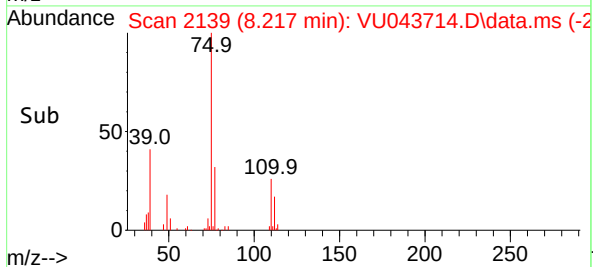
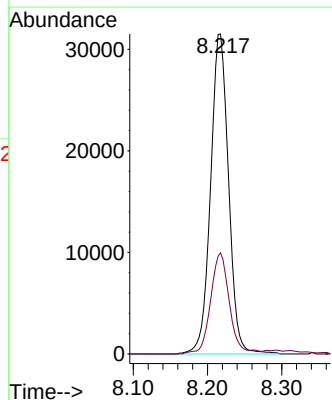
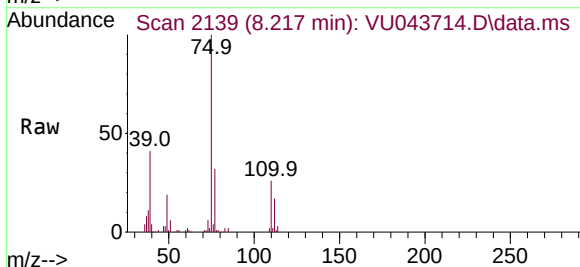
Acq: 13 May 2021 20:59

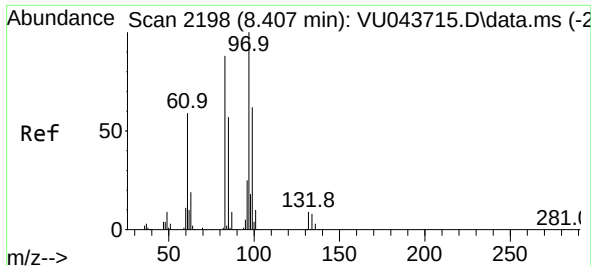
Tgt Ion: 75 Resp: 52948

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6

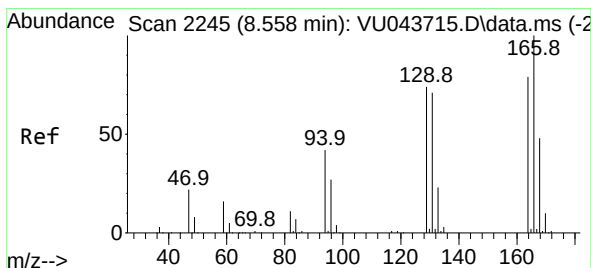
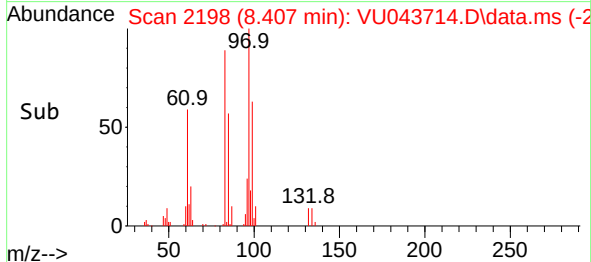
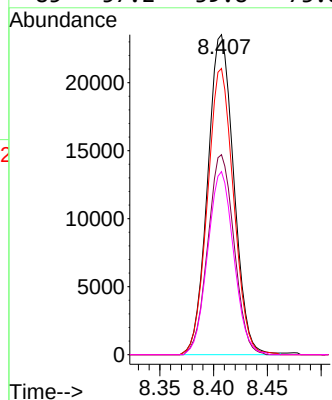
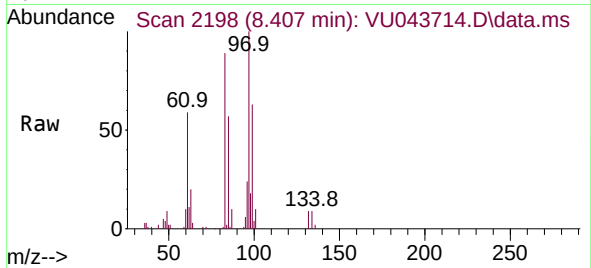




#45  
1,1,2-Trichloroethane  
Concen: 10.88 ug/L  
RT: 8.407 min Scan# 2198  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

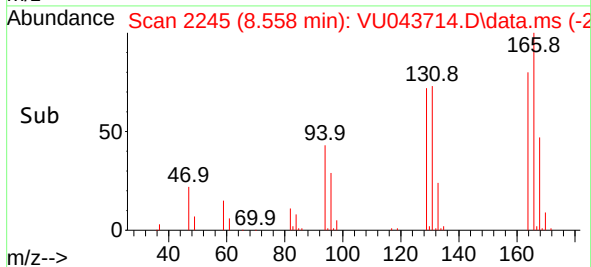
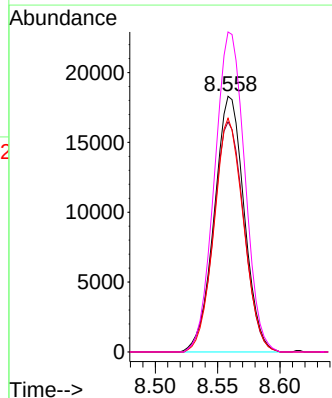
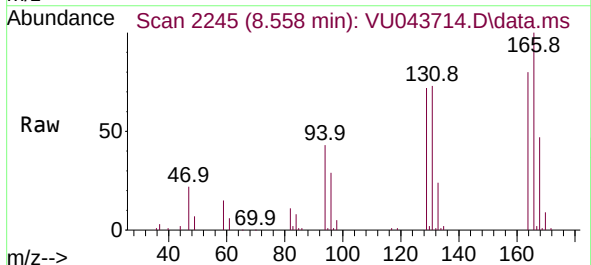
Instrument :  
MSVOA\_U  
ClientSampleId :

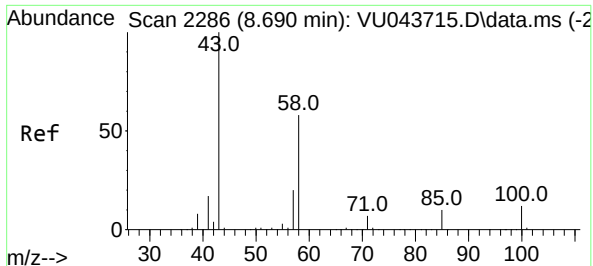
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 39828 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.5  | 43.2  | 80.2  |
| 83       | 89.5  | 61.7  | 114.5 |
| 85       | 57.2  | 39.8  | 73.8  |



#46  
Tetrachloroethene  
Concen: 10.32 ug/L  
RT: 8.558 min Scan# 2245  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 30628 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 90.0  | 65.5  | 121.6 |
| 131      | 91.4  | 63.0  | 117.0 |
| 166      | 125.1 | 88.6  | 164.6 |

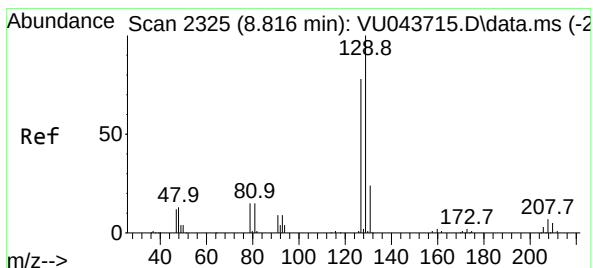
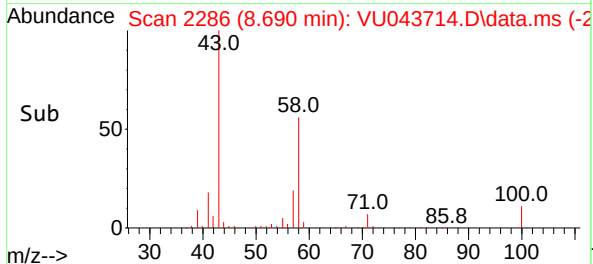
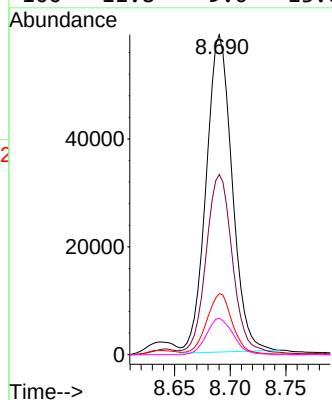
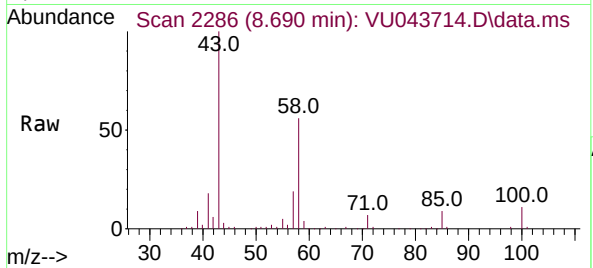




#48  
2-Hexanone  
Concen: 14.69 ug/L  
RT: 8.690 min Scan# 2286  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

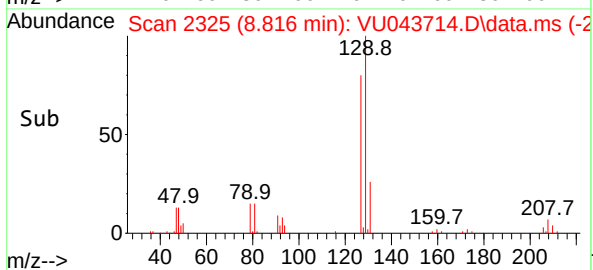
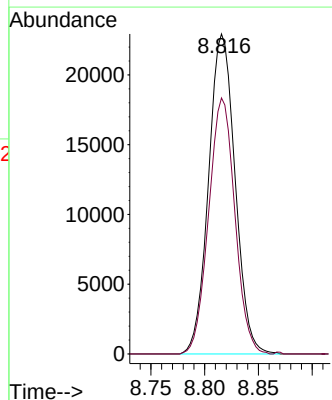
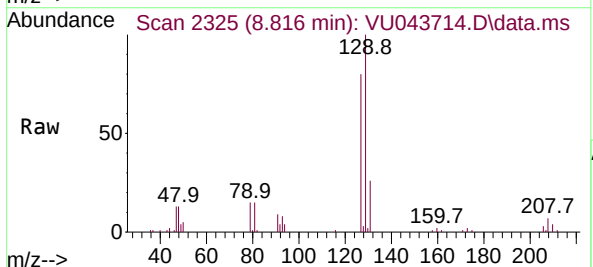
Instrument :  
MSVOA\_U  
ClientSampleId :

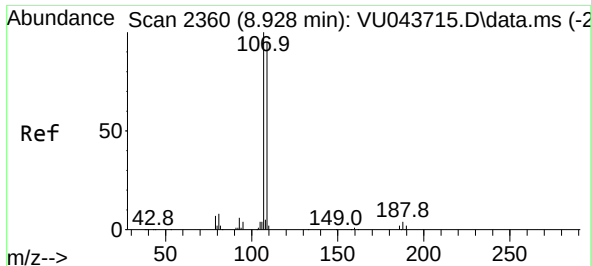
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 95582 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 58.8  | 46.2  | 69.2  |
| 57       | 18.8  | 15.9  | 23.9  |
| 100      | 11.8  | 9.0   | 13.6  |



#49  
Dibromochloromethane  
Concen: 9.43 ug/L  
RT: 8.816 min Scan# 2325  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 39386 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 80.0  | 54.5  | 101.1 |





#50

1,2-Dibromoethane

Concen: 9.98 ug/L

RT: 8.931 min Scan# 2361

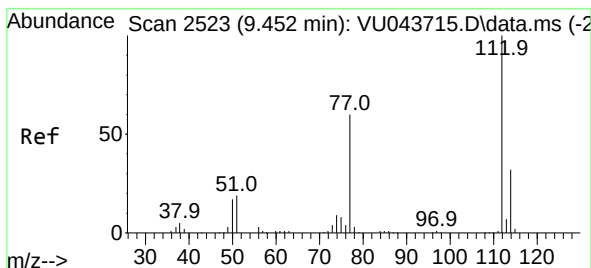
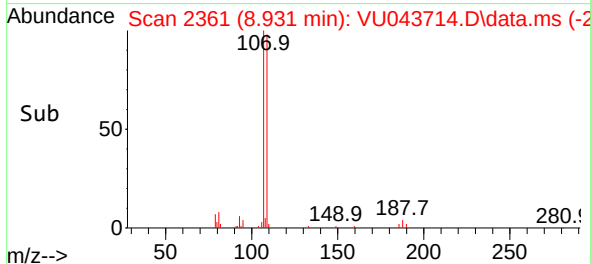
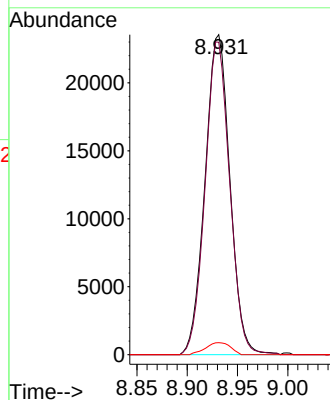
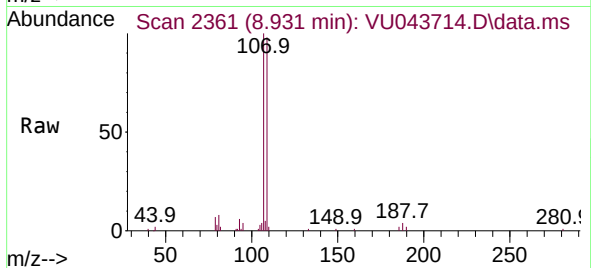
Delta R.T. 0.003 min

Lab File: VU043714.D

Acq: 13 May 2021 20:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 40660 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 97.7  | 66.5  | 123.5 |
| 188      | 3.7   | 3.2   | 4.8   |

Instrument :  
MSVOA\_U  
ClientSampleId :



#51

Chlorobenzene

Concen: 10.47 ug/L

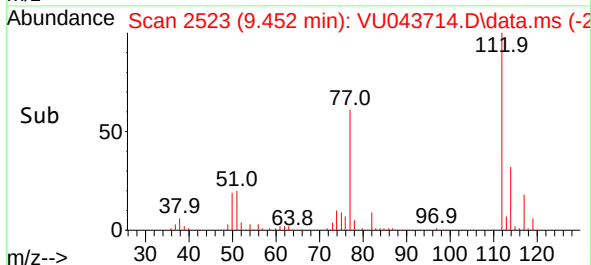
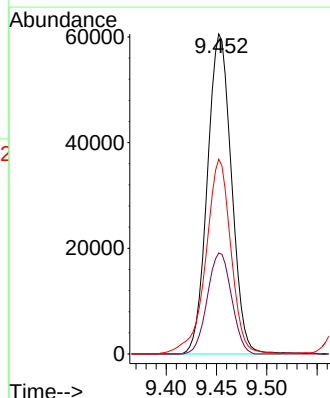
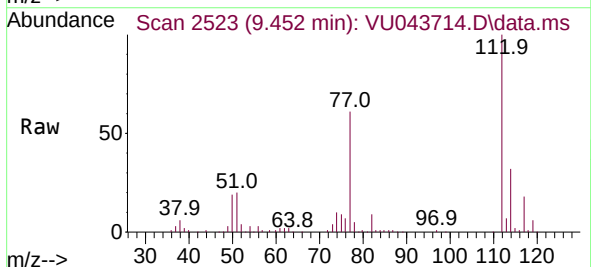
RT: 9.452 min Scan# 2523

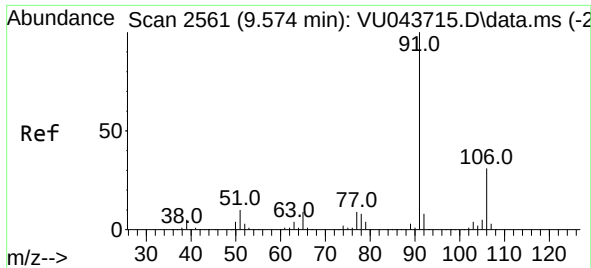
Delta R.T. -0.000 min

Lab File: VU043714.D

Acq: 13 May 2021 20:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 100726 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.5  | 22.7  | 42.1   |
| 77       | 60.9  | 48.5  | 72.7   |

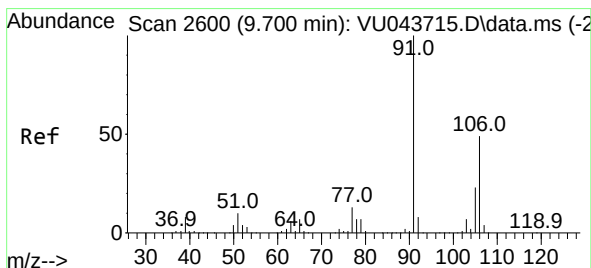
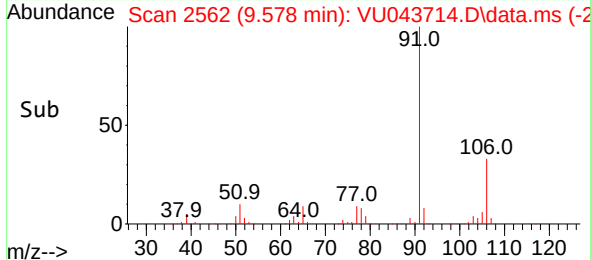
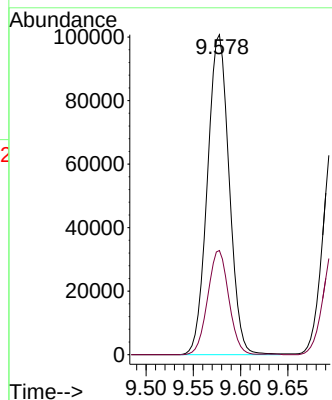
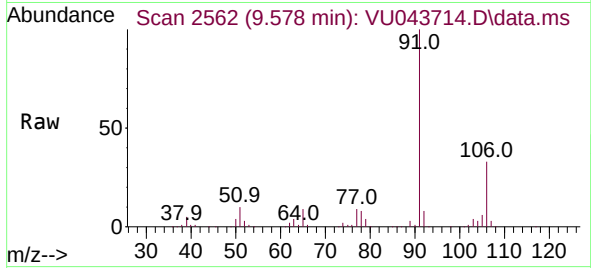




#52  
Ethylbenzene  
Concen: 9.50 ug/L  
RT: 9.578 min Scan# 2562  
Delta R.T. 0.003 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

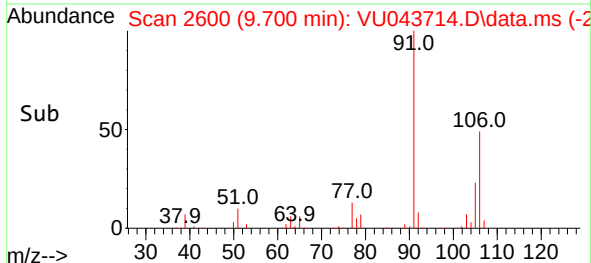
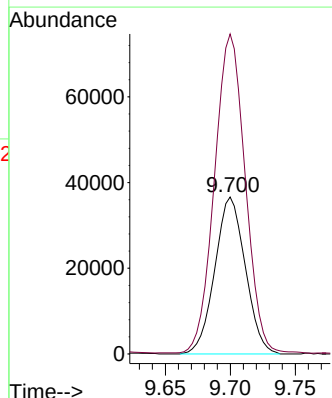
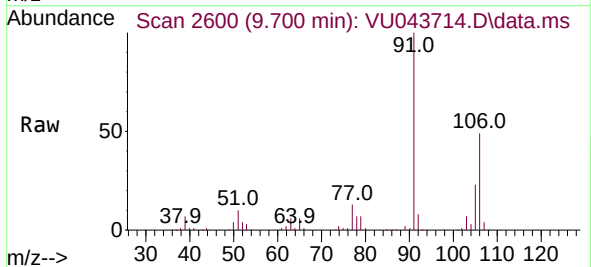
Instrument :  
MSVOA\_U  
ClientSampleId :

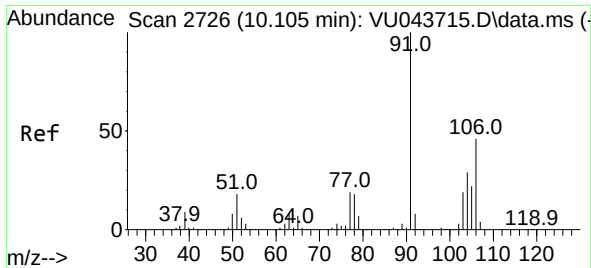
Tgt Ion: 91 Resp: 161074  
Ion Ratio Lower Upper  
91 100  
106 32.6 21.6 40.2



#53  
m,p-Xylene  
Concen: 9.47 ug/L  
RT: 9.700 min Scan# 2600  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion: 106 Resp: 59743  
Ion Ratio Lower Upper  
106 100  
91 203.9 142.9 265.5

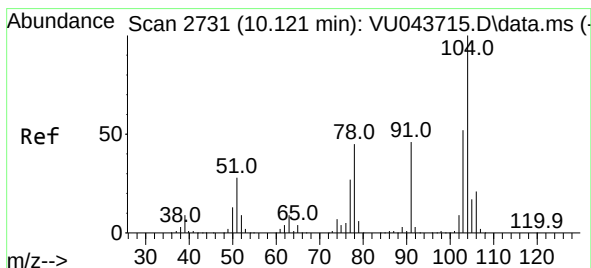
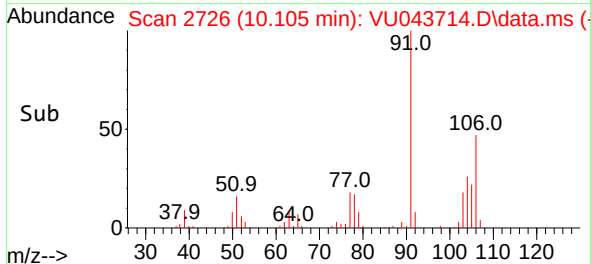
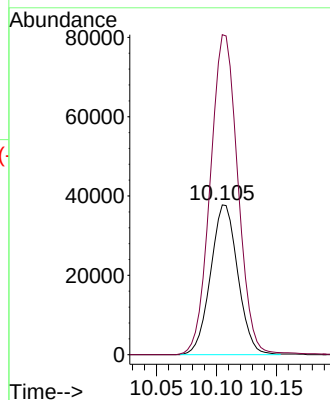
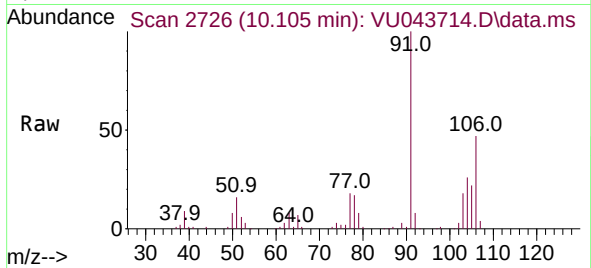




#54  
o-xylene  
Concen: 9.57 ug/L  
RT: 10.105 min Scan# 2726  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

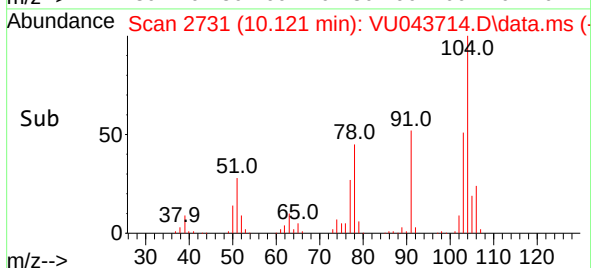
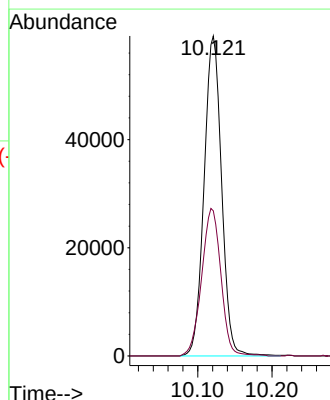
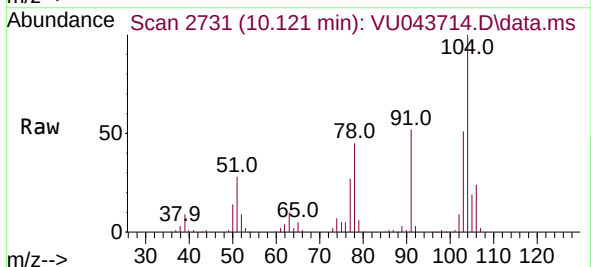
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:106 Resp: 59589  
Ion Ratio Lower Upper  
106 100  
91 213.7 151.6 281.6

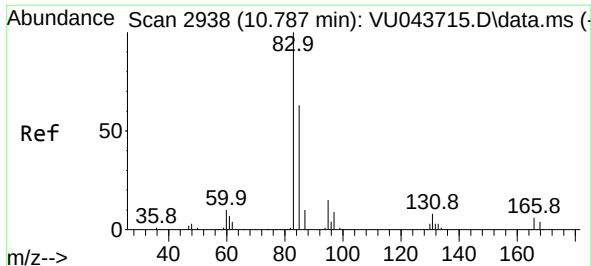


#55  
Styrene  
Concen: 9.10 ug/L  
RT: 10.121 min Scan# 2731  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion:104 Resp: 96826  
Ion Ratio Lower Upper  
104 100  
78 45.4 31.8 59.0



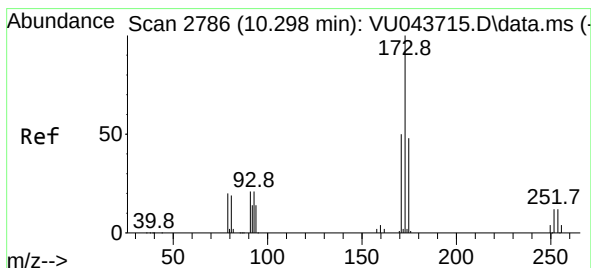
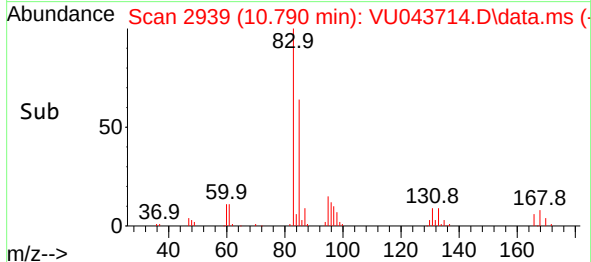
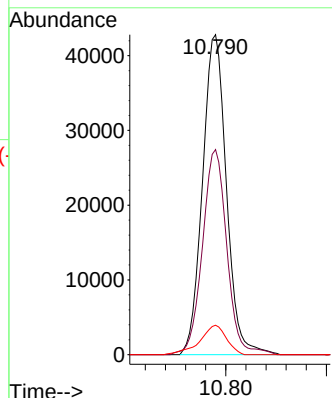
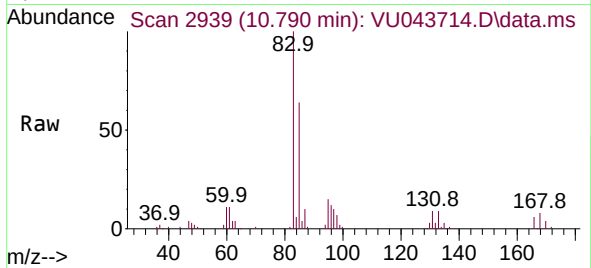




#57  
1,1,2,2-Tetrachloroethane  
Concen: 10.10 ug/L  
RT: 10.790 min Scan# 2939  
Delta R.T. 0.003 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

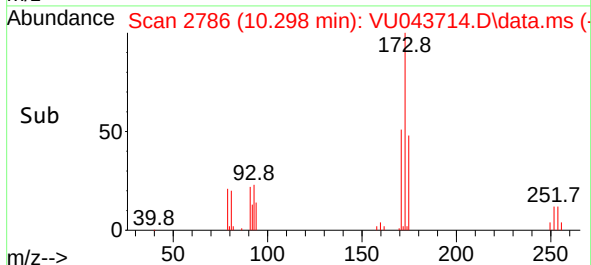
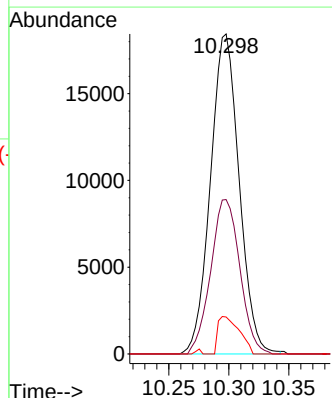
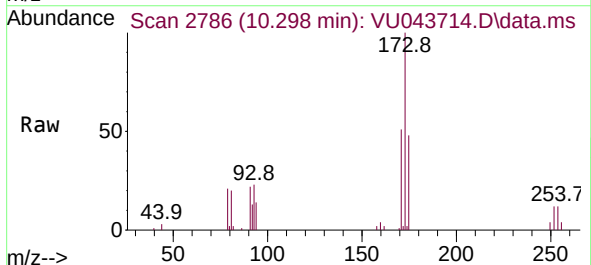
Instrument :  
MSVOA\_U  
ClientSampleId :

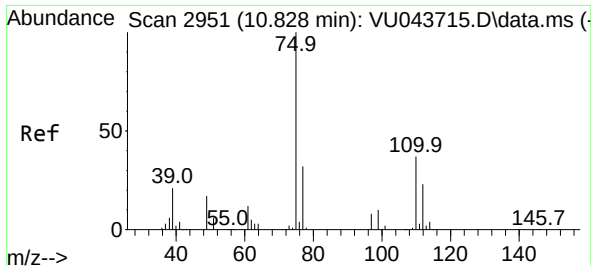
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.1  | 44.5  | 82.7  |
| 131     | 9.2   | 7.4   | 11.2  |



#59  
Bromoform  
Concen: 9.66 ug/L  
RT: 10.298 min Scan# 2786  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 38.6  | 57.8  |
| 254     | 8.7   | 6.8   | 10.2  |

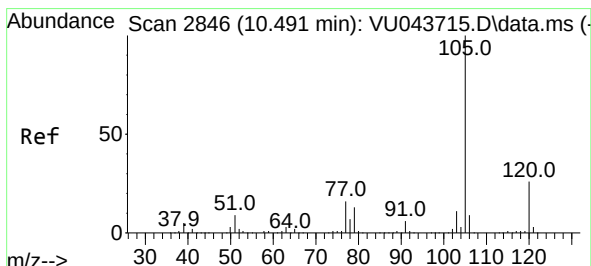
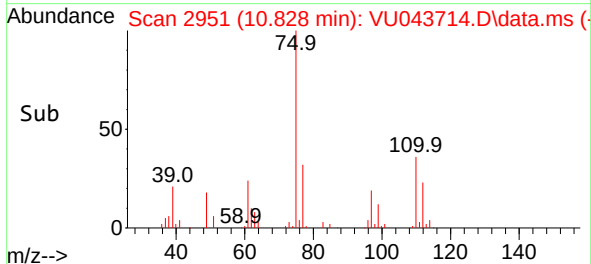
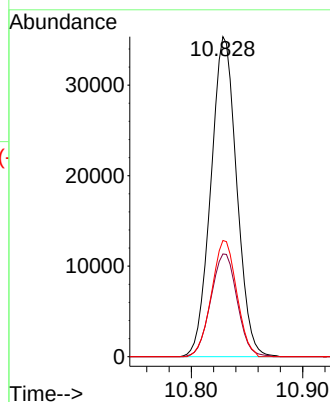
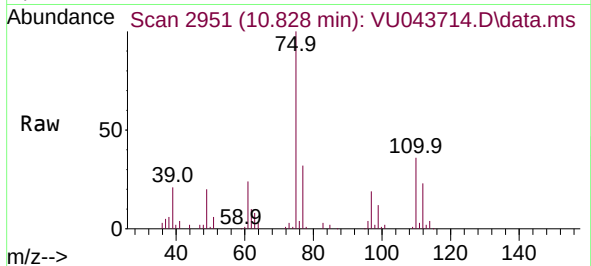




#60  
1,2,3-Trichloropropane  
Concen: 10.50 ug/L  
RT: 10.828 min Scan# 2951  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

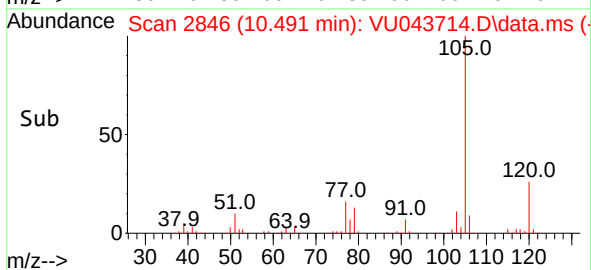
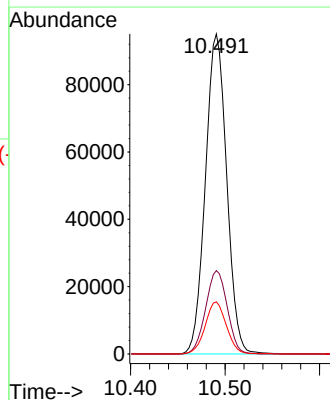
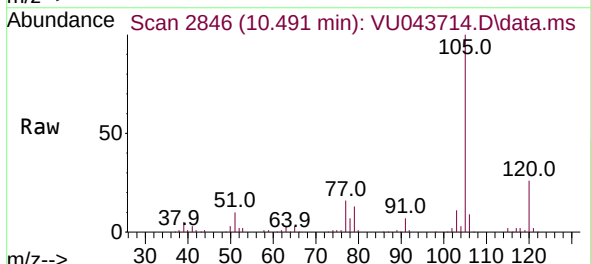
Instrument :  
MSVOA\_U  
ClientSampled :

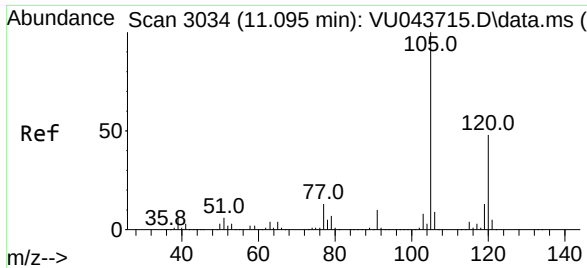
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 56909 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.8  | 25.8  | 38.6  |
| 110      | 35.4  | 28.9  | 43.3  |



#61  
Isopropylbenzene  
Concen: 9.58 ug/L  
RT: 10.491 min Scan# 2846  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 148797 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 26.4  | 21.0  | 31.4   |
| 77       | 16.2  | 12.5  | 18.7   |

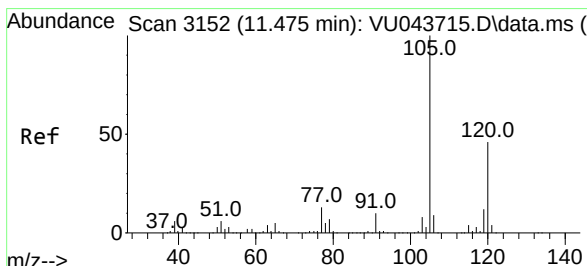
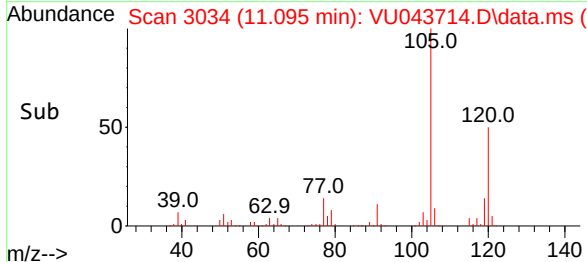
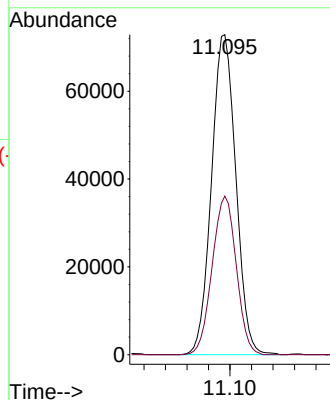
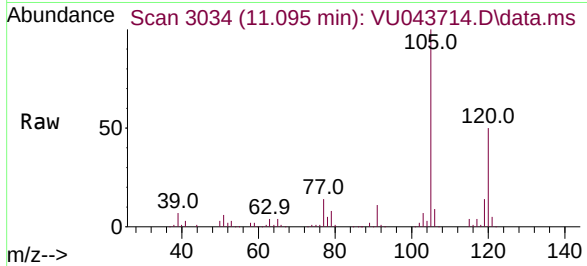




#62  
1,3,5-Trimethylbenzene  
Concen: 8.64 ug/L  
RT: 11.095 min Scan# 3034  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

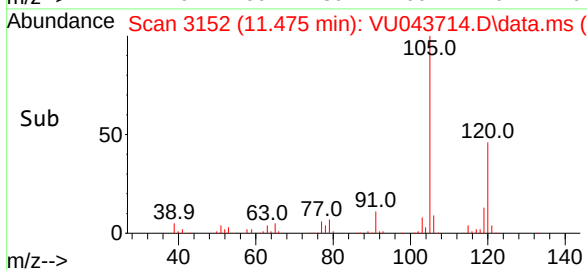
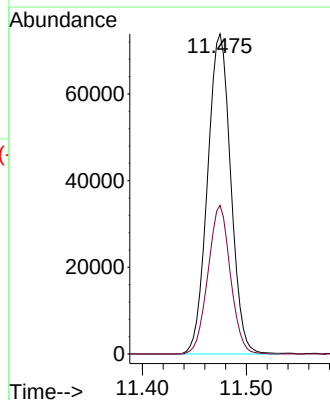
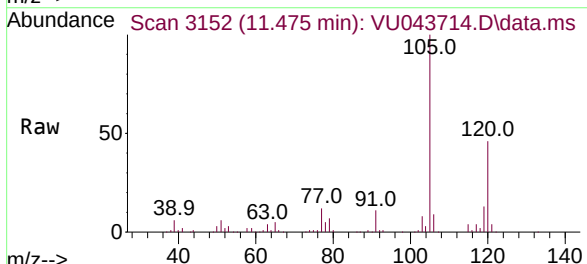
Instrument :  
MSVOA\_U  
ClientSampled :

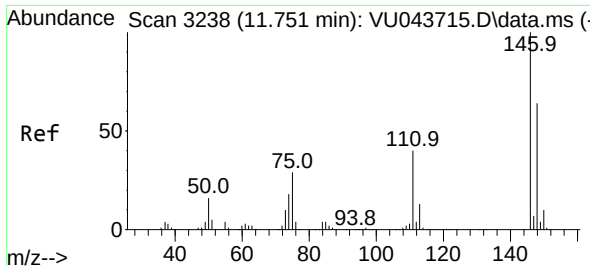
Tgt Ion:105 Resp: 114656  
Ion Ratio Lower Upper  
105 100  
120 49.0 38.7 58.1



#63  
1,2,4-Trimethylbenzene  
Concen: 8.35 ug/L  
RT: 11.475 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion:105 Resp: 114608  
Ion Ratio Lower Upper  
105 100  
120 44.7 36.2 54.2

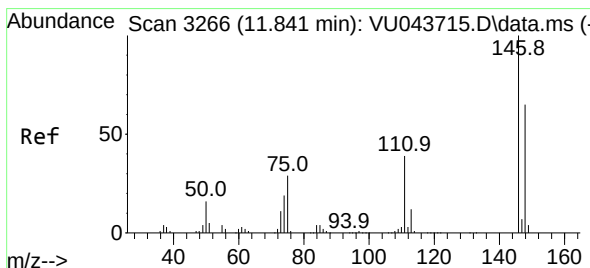
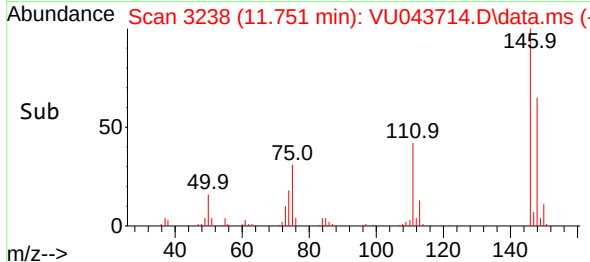
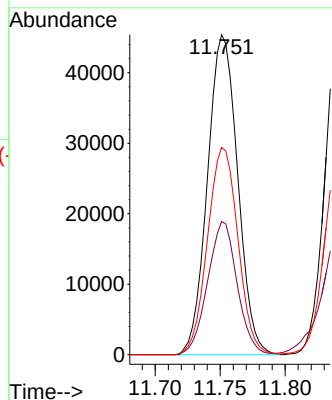
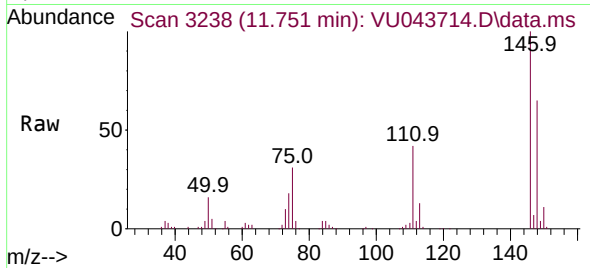




#64  
1,3-Dichlorobenzene  
Concen: 9.71 ug/L  
RT: 11.751 min Scan# 3238  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

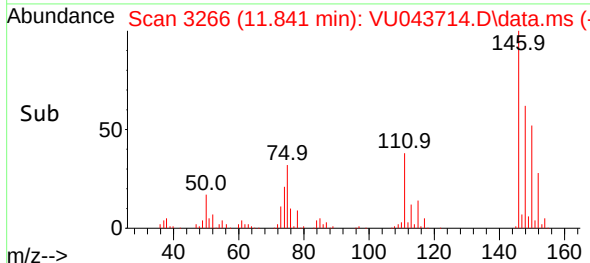
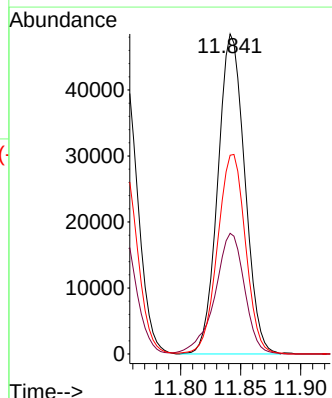
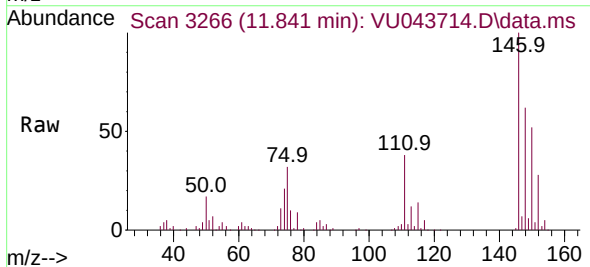
Instrument :  
MSVOA\_U  
ClientSampled :

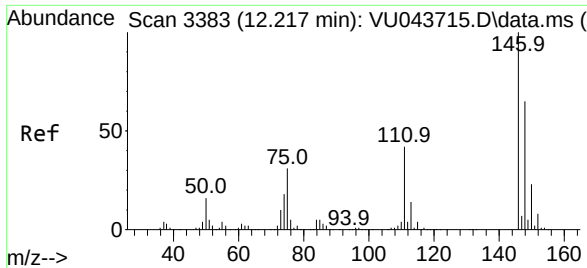
Tgt Ion:146 Resp: 73408  
Ion Ratio Lower Upper  
146 100  
111 41.6 27.8 51.6  
148 64.8 44.9 83.3



#65  
1,4-Dichlorobenzene  
Concen: 9.83 ug/L  
RT: 11.841 min Scan# 3266  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion:146 Resp: 75578  
Ion Ratio Lower Upper  
146 100  
111 37.7 27.1 50.3  
148 62.1 45.4 84.4

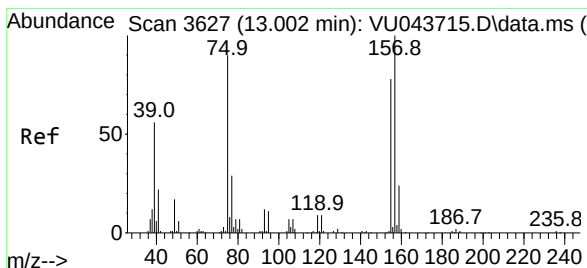
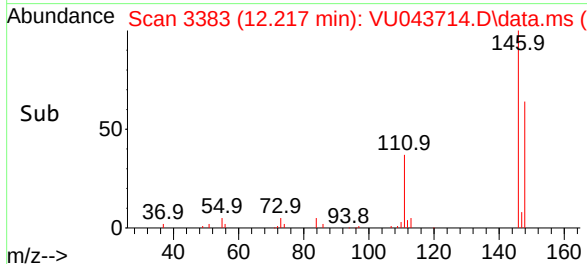
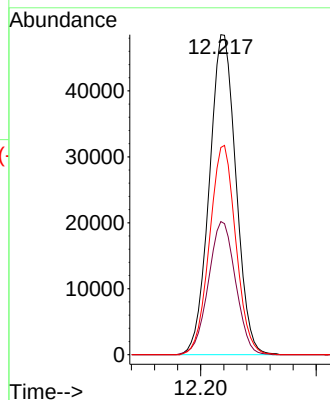
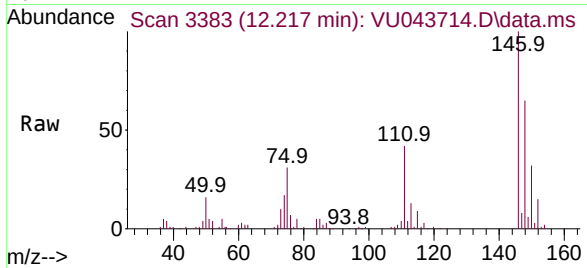




#67  
1,2-Dichlorobenzene  
Concen: 9.95 ug/L  
RT: 12.217 min Scan# 3383  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

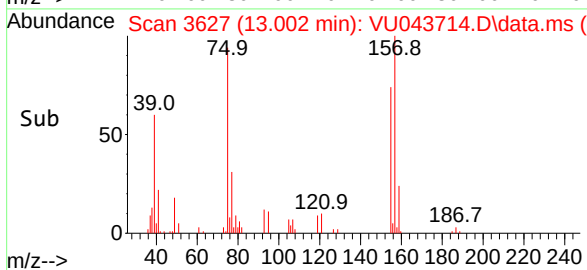
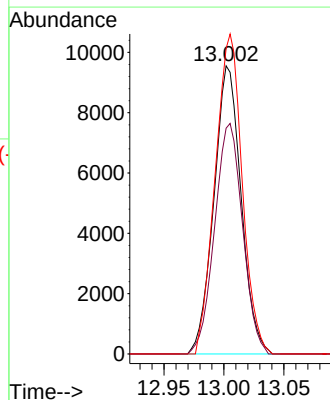
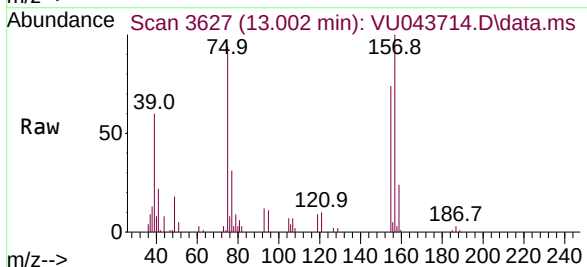
Instrument :  
MSVOA\_U  
ClientSampleId :

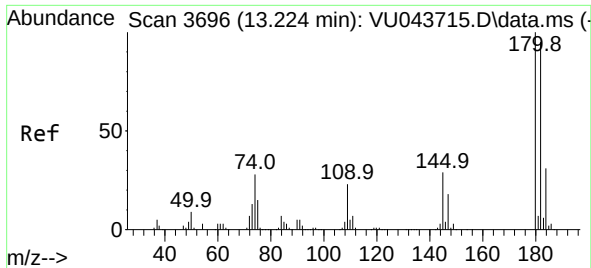
Tgt Ion:146 Resp: 77461  
Ion Ratio Lower Upper  
146 100  
111 41.6 33.5 50.3  
148 64.8 51.7 77.5



#68  
1,2-Dibromo-3-chloropropane  
Concen: 8.38 ug/L  
RT: 13.002 min Scan# 3627  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion: 75 Resp: 15079  
Ion Ratio Lower Upper  
75 100  
155 83.5 72.5 108.7  
157 109.2 92.3 138.5

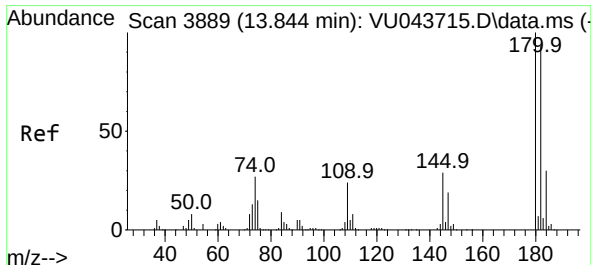
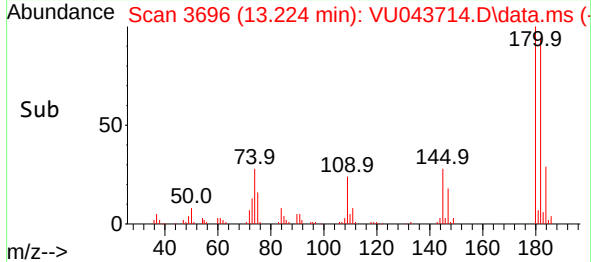
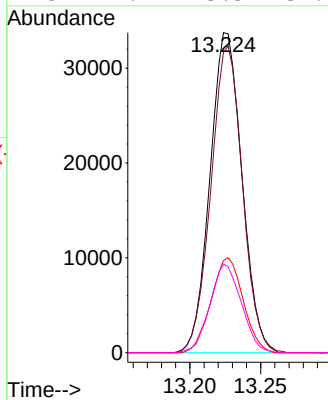
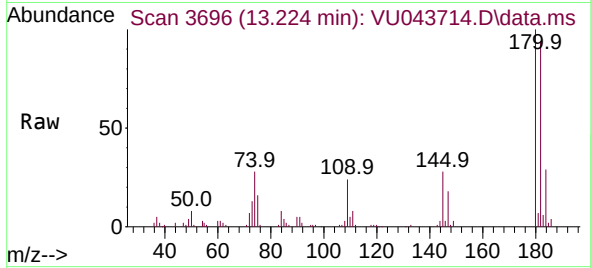




#69  
 1,3,5-Trichlorobenzene  
 Concen: 8.86 ug/L  
 RT: 13.224 min Scan# 3696  
 Delta R.T. -0.000 min  
 Lab File: VU043714.D  
 Acq: 13 May 2021 20:59

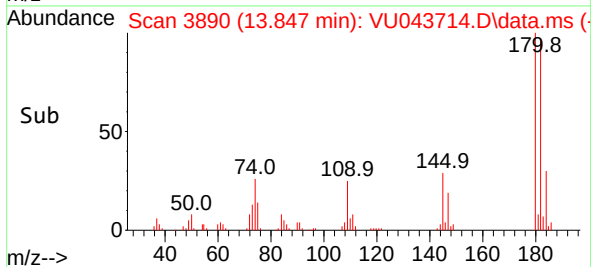
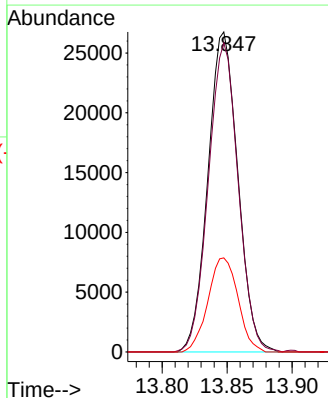
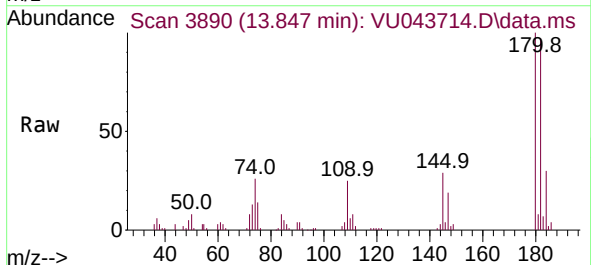
Instrument :  
 MSVOA\_U  
 ClientSampleId :

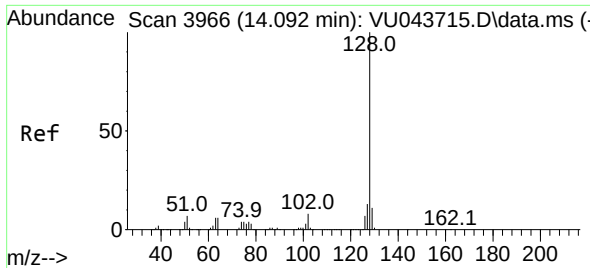
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 52808 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.7  | 76.4  | 114.6 |
| 184       | 29.8  | 25.0  | 37.4  |
| 145       | 27.2  | 23.3  | 34.9  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 8.41 ug/L  
 RT: 13.847 min Scan# 3890  
 Delta R.T. 0.003 min  
 Lab File: VU043714.D  
 Acq: 13 May 2021 20:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 42883 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.9  | 75.9  | 113.9 |
| 145       | 29.4  | 23.4  | 35.0  |

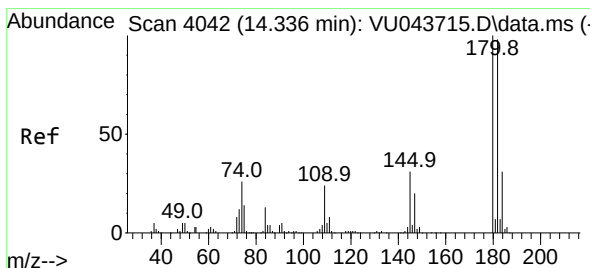
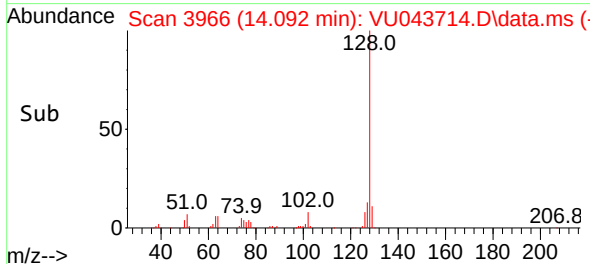
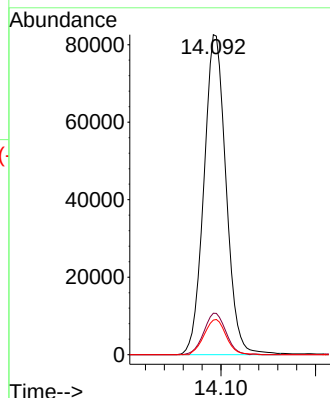
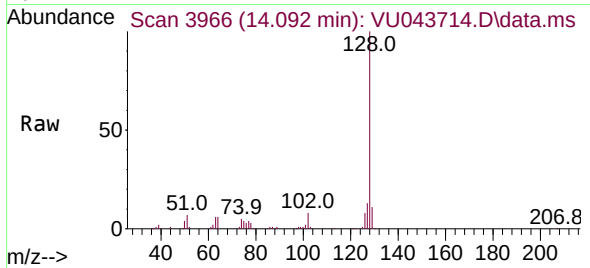




#71  
Naphthalene  
Concen: 8.33 ug/L  
RT: 14.092 min Scan# 3966  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 134229  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.4 15.6  
129 10.9 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 8.93 ug/L  
RT: 14.336 min Scan# 4042  
Delta R.T. -0.000 min  
Lab File: VU043714.D  
Acq: 13 May 2021 20:59

Tgt Ion:180 Resp: 46726  
Ion Ratio Lower Upper  
180 100  
182 94.7 76.9 115.3  
145 31.0 24.9 37.3

