

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101921\  
 Data File : VU045325.D  
 Acq On : 19 Oct 2021 12:23  
 Operator : SY/MD  
 Sample : VSTD00519  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 20 02:46:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 20 02:46:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114  | 297412   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117  | 292603   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152  | 141050   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65   | 6698     | 2.324  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.916  | 69   | 6589     | 2.847  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 63   | 13467    | 2.752  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.633  | 46   | 18743    | 7.618  | ug/L   | 0.00     |
| 24) Chloroform-d              | 5.070  | 84   | 17237    | 3.578  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.707  | 65   | 12613    | 3.859  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.735  | 84   | 27701    | 3.010  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.697  | 67   | 10693    | 3.478  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.903  | 98   | 23131    | 2.926  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.186  | 79   | 5006     | 3.594  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.639  | 63   | 10686    | 6.124  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761 | 84   | 20378    | 4.108  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.198 | 152  | 12440    | 4.224  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388  | 85   | 11783    | 4.342  | ug/L   | 94       |
| 3) Chloromethane              | 1.523  | 50   | 14080    | 4.215  | ug/L   | 98       |
| 5) Vinyl chloride             | 1.607  | 62   | 15142    | 4.549  | ug/L   | 88       |
| 6) Bromomethane               | 1.861  | 94   | 7728     | 4.711  | ug/L   | 98       |
| 8) Chloroethane               | 1.938  | 64   | 8724     | 4.173  | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 2.141  | 101  | 18796    | 4.909  | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584  | 101  | 11199    | 4.610  | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.584  | 96   | 10421    | 4.695  | ug/L   | 91       |
| 13) Acetone                   | 2.633  | 43   | 28270    | 10.100 | ug/L   | 98       |
| 14) Carbon disulfide          | 2.797  | 76   | 28845    | 4.140  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.954  | 43   | 15316    | 4.384  | ug/L   | 98       |
| 16) Methylene chloride        | 3.051  | 84   | 14522    | 5.128  | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 3.359  | 96   | 11765    | 5.022  | ug/L   | 90       |
| 18) Methyl tert-butyl Ether   | 3.372  | 73   | 37331    | 4.763  | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.877  | 63   | 23403    | 4.797  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.674  | 96   | 12592    | 4.829  | ug/L   | 99       |
| 22) 2-Butanone                | 4.713  | 43   | 28199    | 8.932  | ug/L   | 95       |
| 23) Bromochloromethane        | 4.980  | 128  | 6359     | 4.815  | ug/L   | 89       |
| 25) Chloroform                | 5.096  | 83   | 24094    | 4.931  | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 5.800  | 62   | 19199    | 4.748  | ug/L   | 100      |
| 29) Cyclohexane               | 5.395  | 56   | 17289    | 4.149  | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 5.324  | 97   | 18991    | 4.869  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 14193    | 4.611  | ug/L   | 98       |
| 33) Benzene                   | 5.781  | 78   | 48858    | 4.680  | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 12112    | 4.797  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.768  | 83   | 17774    | 4.286  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.797  | 63   | 13322    | 4.677  | ug/L # | 96       |
| 38) Bromodichloromethane      | 7.112  | 83   | 17189    | 4.896  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.613  | 75   | 18393    | 4.478  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 37203    | 7.917  | ug/L   | 98       |
| 42) Toluene                   | 7.973  | 91   | 49301    | 4.641  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 17492    | 4.474  | ug/L   | 99       |

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 Sample : VSTD00519  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

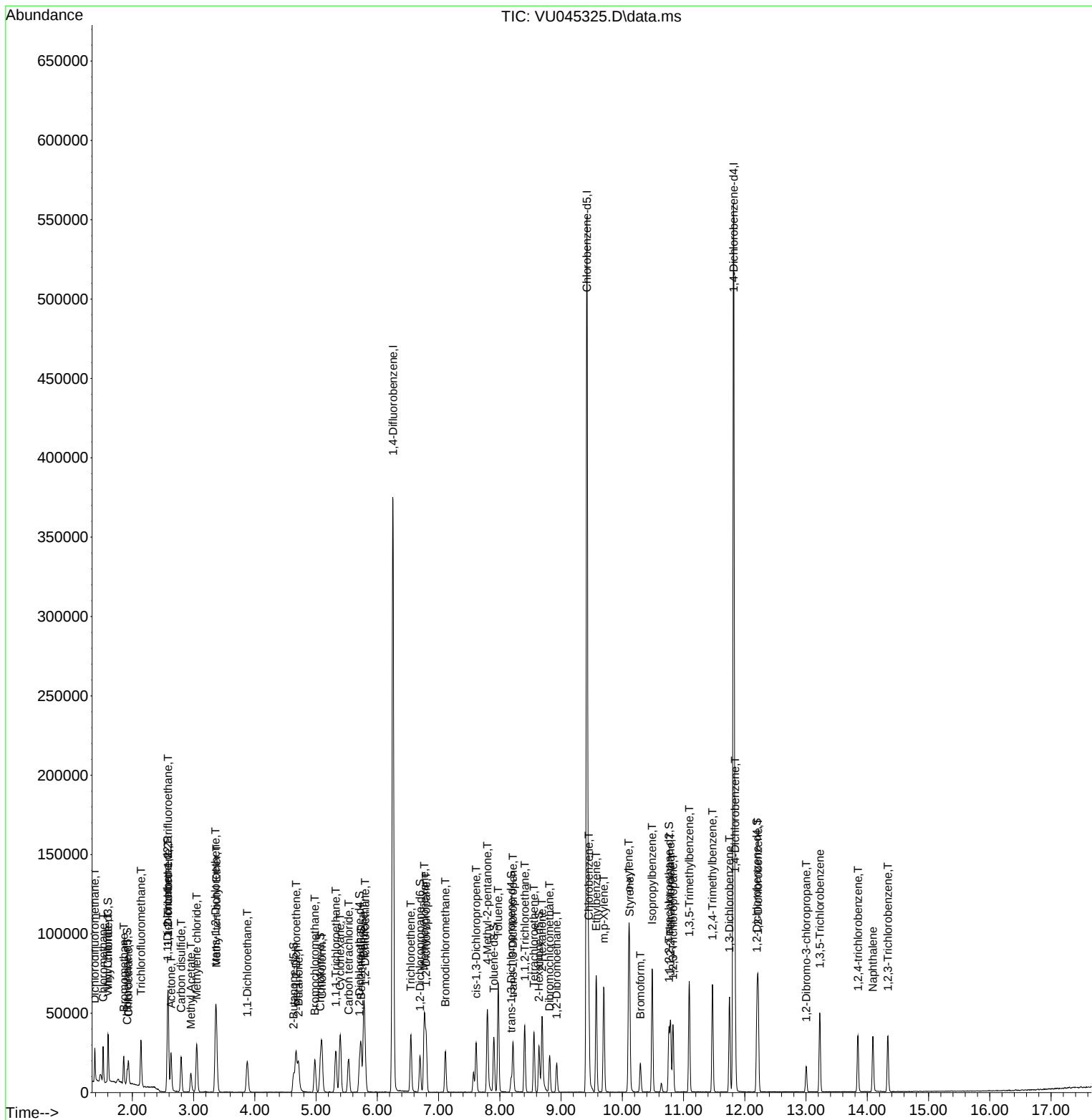
Instrument :  
 MSVOA\_U  
 ClientSampleId :

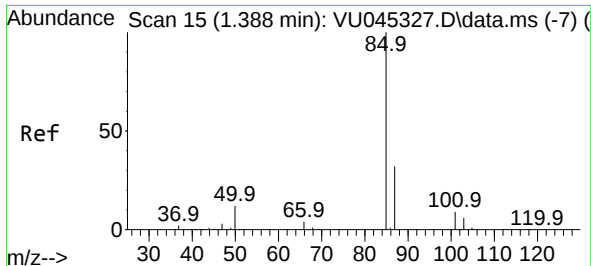
Quant Time: Oct 20 02:46:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 20 02:46:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 12607    | 4.831 | ug/L   | 98       |
| 46) Tetrachloroethene         | 8.559  | 164  | 8284     | 4.620 | ug/L   | 90       |
| 48) 2-Hexanone                | 8.690  | 43   | 32545    | 7.862 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.813  | 129  | 12054    | 4.680 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.928  | 107  | 13083    | 4.805 | ug/L # | 95       |
| 51) Chlorobenzene             | 9.452  | 112  | 32249    | 4.863 | ug/L   | 100      |
| 52) Ethylbenzene              | 9.575  | 91   | 51625    | 4.561 | ug/L   | 100      |
| 53) m,p-Xylene                | 9.700  | 106  | 19225    | 4.481 | ug/L   | 92       |
| 54) o-xylene                  | 10.105 | 106  | 19711    | 4.668 | ug/L   | 96       |
| 55) Styrene                   | 10.121 | 104  | 30868    | 4.253 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 22208    | 4.467 | ug/L   | 98       |
| 59) Bromoform                 | 10.295 | 173  | 7841     | 4.611 | ug/L   | 98       |
| 60) 1,2,3-Trichloropropane    | 10.829 | 75   | 18169    | 4.818 | ug/L   | 99       |
| 61) Isopropylbenzene          | 10.488 | 105  | 48494    | 4.822 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 38066    | 4.527 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.472 | 105  | 37826    | 4.404 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 23537    | 5.032 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.841 | 146  | 24133    | 5.038 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.218 | 146  | 23709    | 4.963 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 13.002 | 75   | 4604     | 4.298 | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 14976    | 4.637 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.848 | 180  | 10954    | 4.095 | ug/L   | 98       |
| 71) Naphthalene               | 14.092 | 128  | 29865    | 3.255 | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 10743    | 3.946 | ug/L   | 98       |
| -----                         |        |      |          |       |        |          |

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

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Response via : Initial Calibration

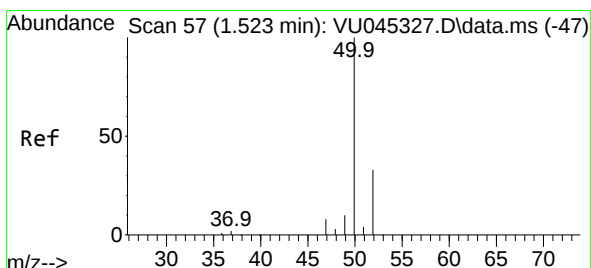
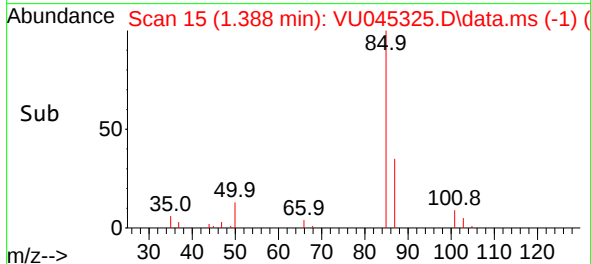
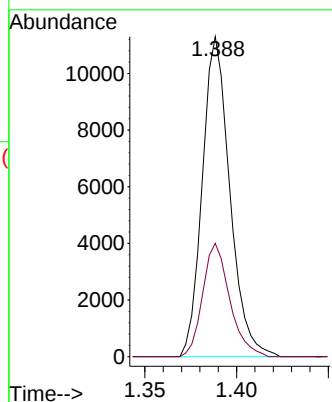
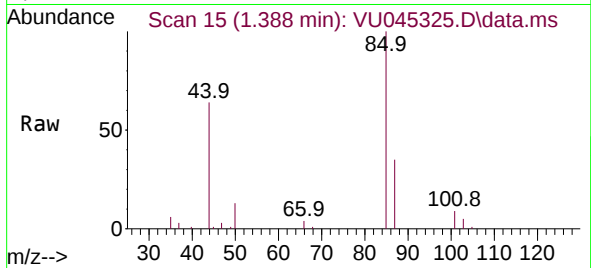




#2  
Dichlorodifluoromethane  
Concen: 4.342 ug/L  
RT: 1.388 min Scan# 15  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

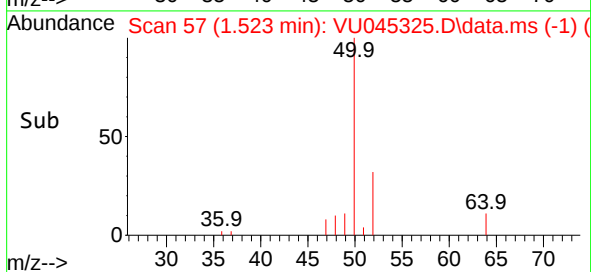
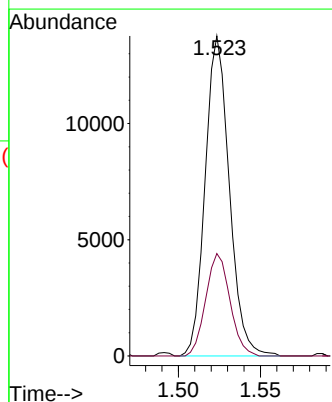
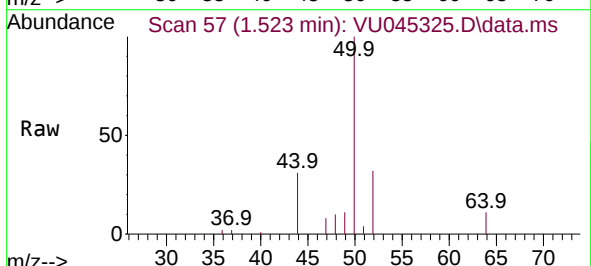
Instrument :  
MSVOA\_U  
ClientSampled :

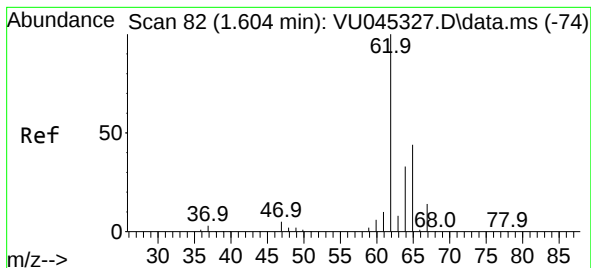
Tgt Ion: 85 Resp: 11783  
Ion Ratio Lower Upper  
85 100  
87 34.8 25.3 37.9



#3  
Chloromethane  
Concen: 4.215 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion: 50 Resp: 14080  
Ion Ratio Lower Upper  
50 100  
52 32.0 23.2 43.0





#5

Vinyl chloride

Concen: 4.549 ug/L

RT: 1.607 min Scan# 83

Delta R.T. 0.003 min

Lab File: VU045325.D

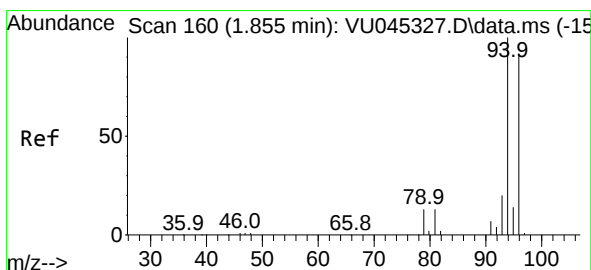
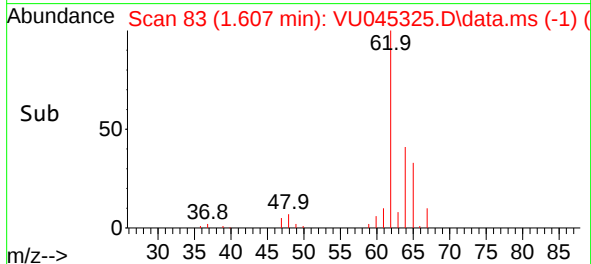
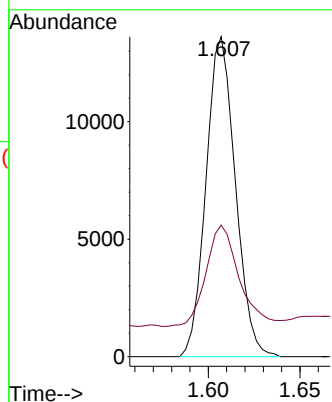
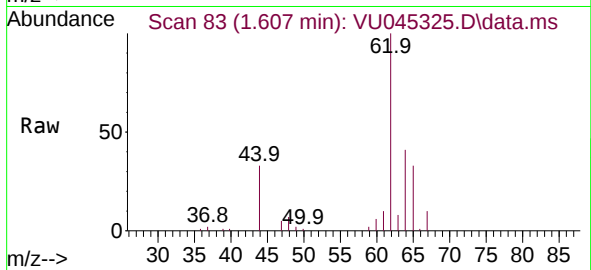
Acq: 19 Oct 2021 12:23

Tgt Ion: 62 Resp: 15142

Ion Ratio Lower Upper

62 100

64 41.1 23.9 44.3



#6

Bromomethane

Concen: 4.711 ug/L

RT: 1.861 min Scan# 162

Delta R.T. 0.006 min

Lab File: VU045325.D

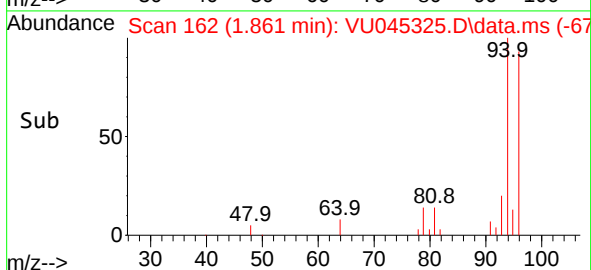
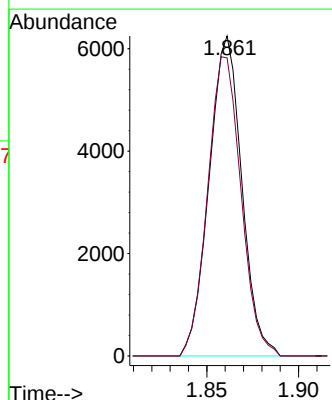
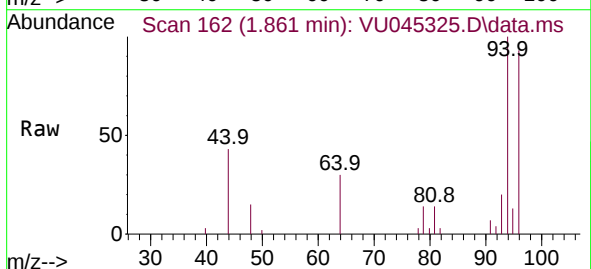
Acq: 19 Oct 2021 12:23

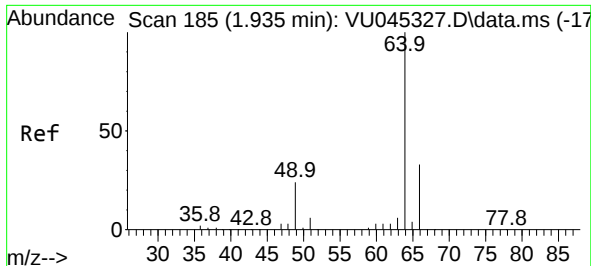
Tgt Ion: 94 Resp: 7728

Ion Ratio Lower Upper

94 100

96 93.2 64.1 119.1

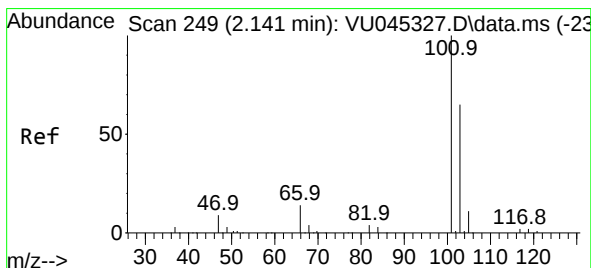
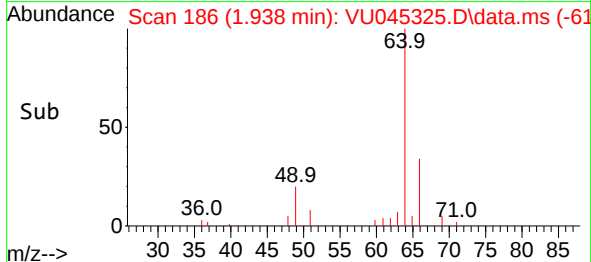
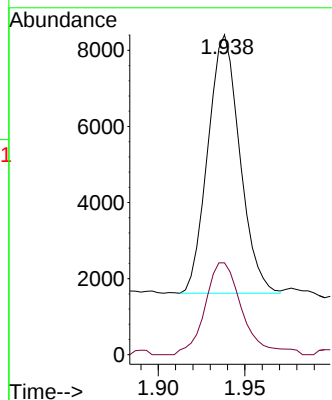
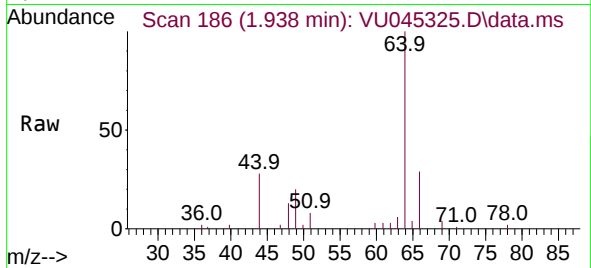




#8  
Chloroethane  
Concen: 4.173 ug/L  
RT: 1.938 min Scan# 186  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

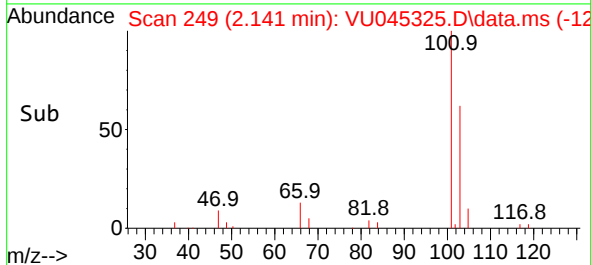
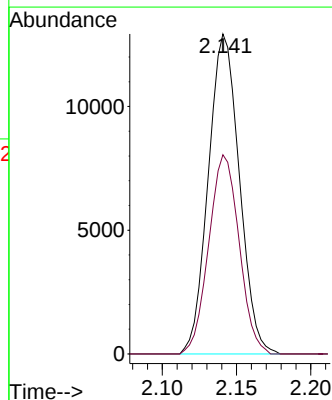
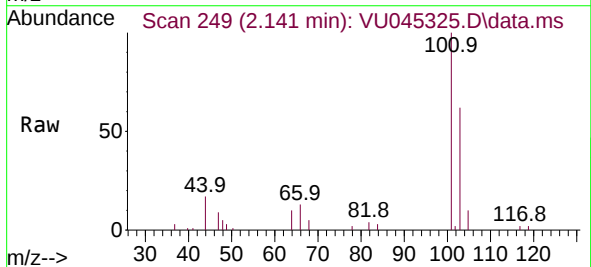
Instrument :  
MSVOA\_U  
ClientSampleId :

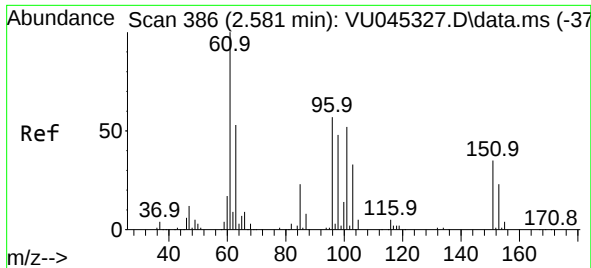
Tgt Ion: 64 Resp: 8724  
Ion Ratio Lower Upper  
64 100  
66 28.7 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 4.909 ug/L  
RT: 2.141 min Scan# 249  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion:101 Resp: 18796  
Ion Ratio Lower Upper  
101 100  
103 60.9 50.8 76.2

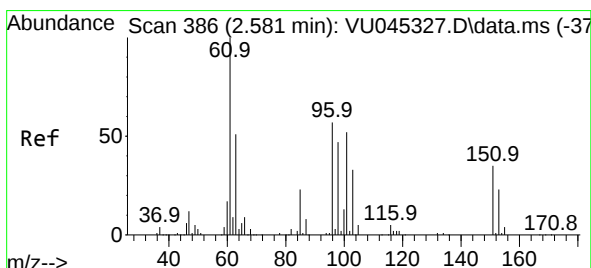
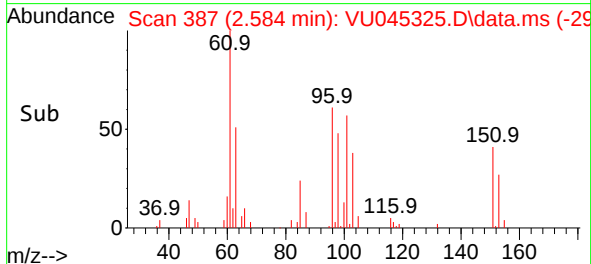
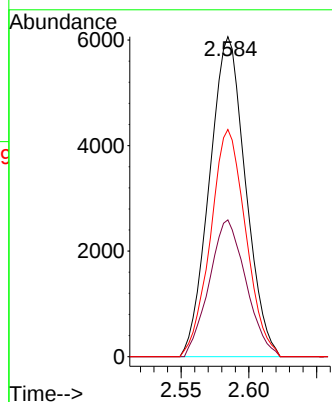
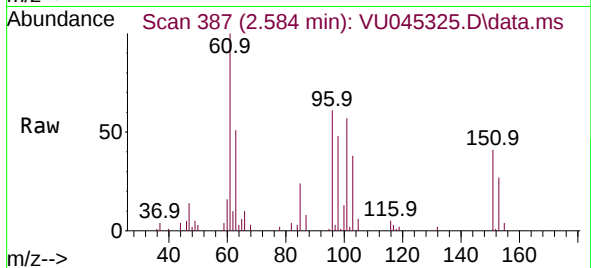




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.610 ug/L  
 RT: 2.584 min Scan# 387  
 Delta R.T. 0.003 min  
 Lab File: VU045325.D  
 Acq: 19 Oct 2021 12:23

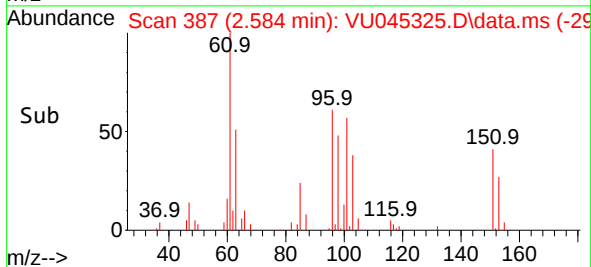
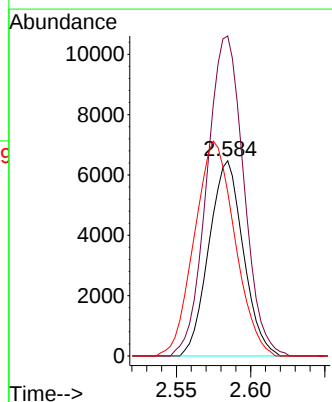
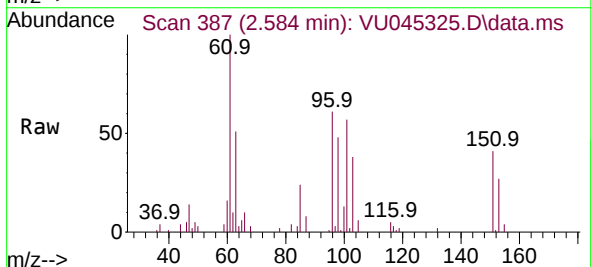
Instrument :  
 MSVOA\_U  
 ClientSampleId :

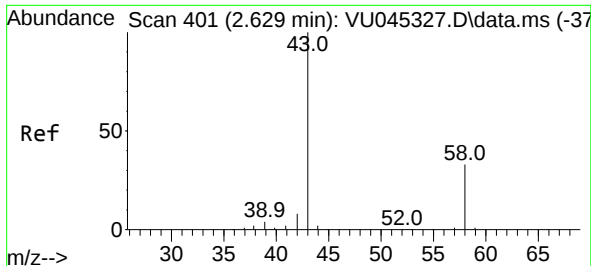
Tgt Ion:101 Resp: 11199  
 Ion Ratio Lower Upper  
 101 100  
 85 43.5 35.2 52.8  
 151 69.6 53.9 80.9



#12  
 1,1-Dichloroethene  
 Concen: 4.695 ug/L  
 RT: 2.584 min Scan# 387  
 Delta R.T. 0.003 min  
 Lab File: VU045325.D  
 Acq: 19 Oct 2021 12:23

Tgt Ion: 96 Resp: 10421  
 Ion Ratio Lower Upper  
 96 100  
 61 163.9 122.9 228.3  
 63 84.0 65.3 121.3

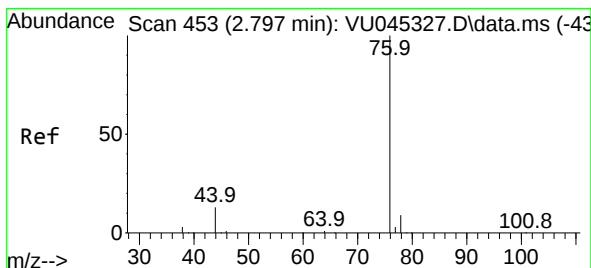
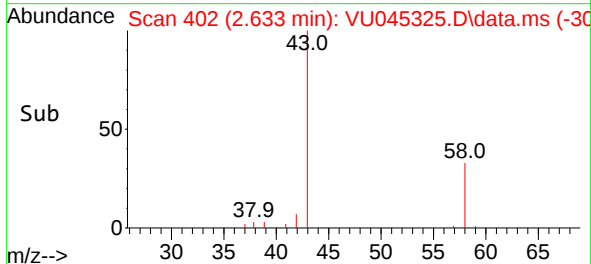
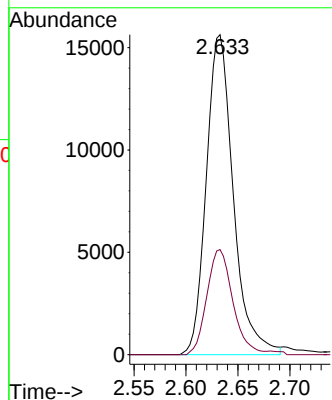
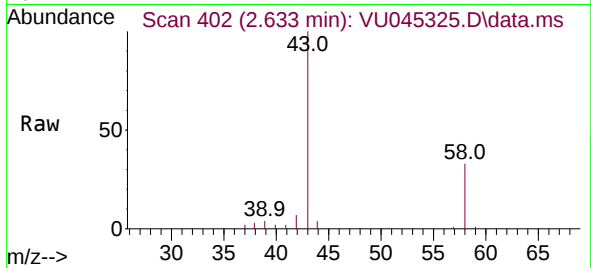




#13  
Acetone  
Concen: 10.100 ug/L  
RT: 2.633 min Scan# 402  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

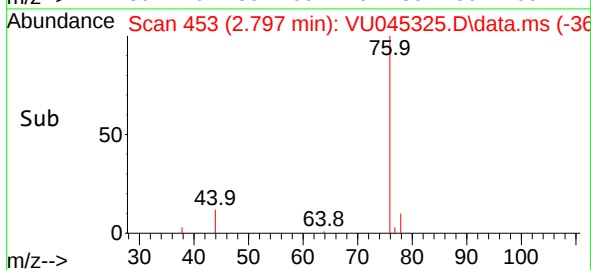
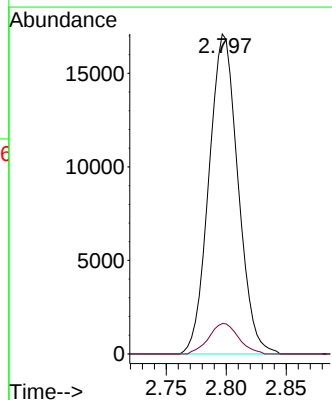
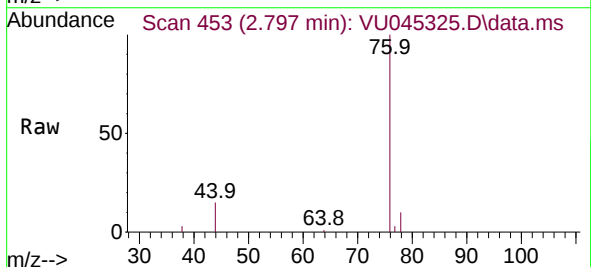
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MSVOA\_U  
ClientSampleId :

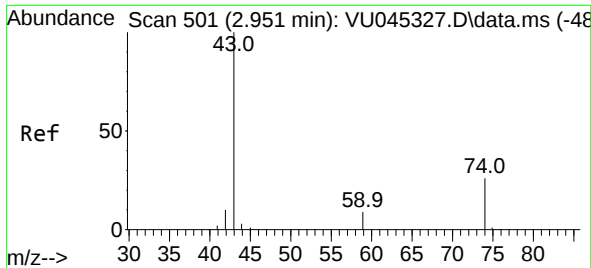
Tgt Ion: 43 Resp: 28270  
Ion Ratio Lower Upper  
43 100  
58 31.4 0.0 64.8



#14  
Carbon disulfide  
Concen: 4.140 ug/L  
RT: 2.797 min Scan# 453  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion: 76 Resp: 28845  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.4 11.0

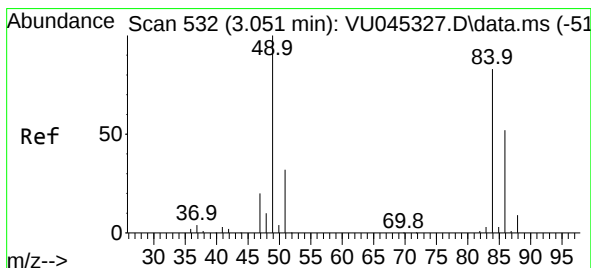
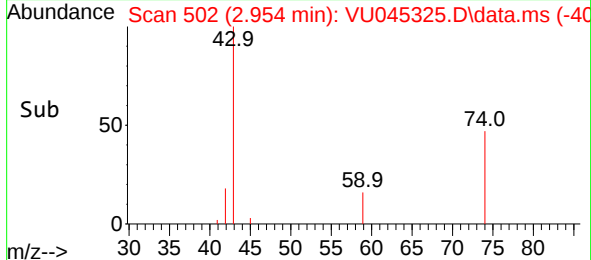
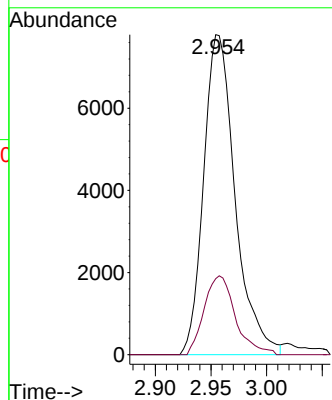
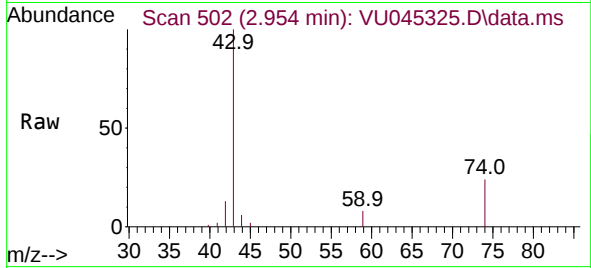




#15  
Methyl Acetate  
Concen: 4.384 ug/L  
RT: 2.954 min Scan# 502  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

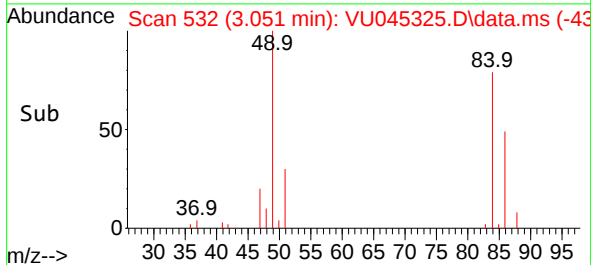
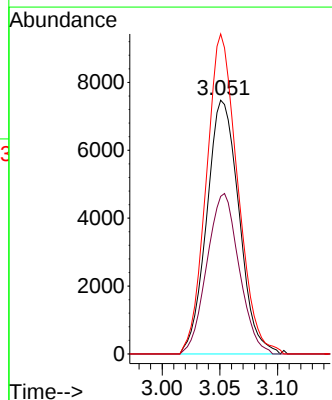
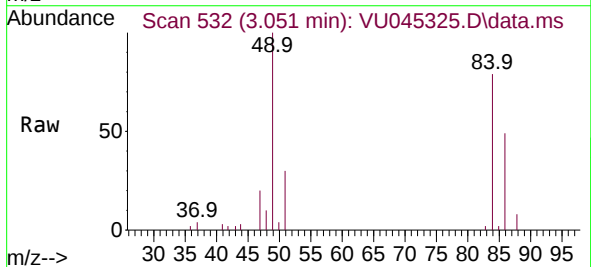
Instrument :  
MSVOA\_U  
ClientSampleId :

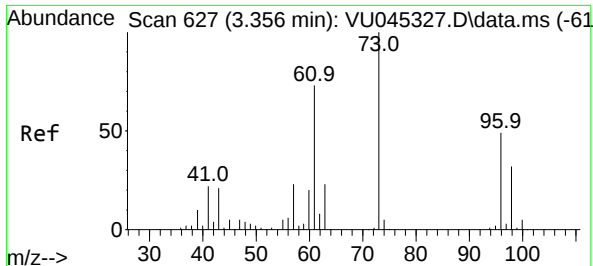
Tgt Ion: 43 Resp: 15316  
Ion Ratio Lower Upper  
43 100  
74 24.4 20.5 30.7



#16  
Methylene chloride  
Concen: 5.128 ug/L  
RT: 3.051 min Scan# 532  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion: 84 Resp: 14522  
Ion Ratio Lower Upper  
84 100  
86 62.1 44.1 81.9  
49 126.1 84.2 156.4



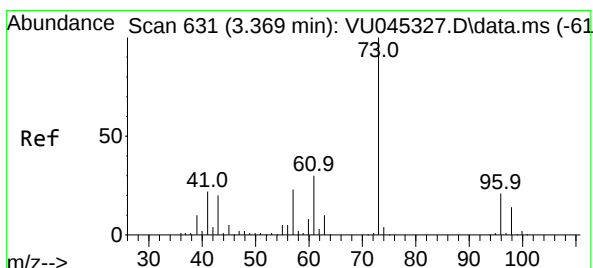
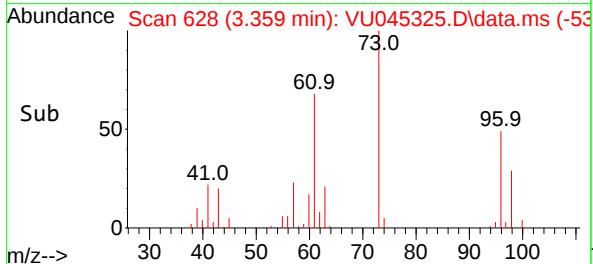
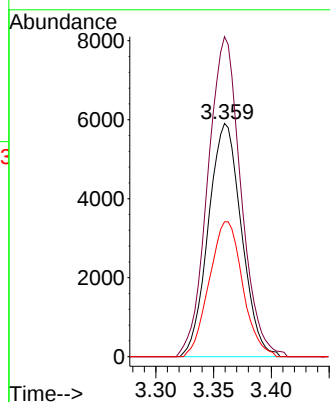
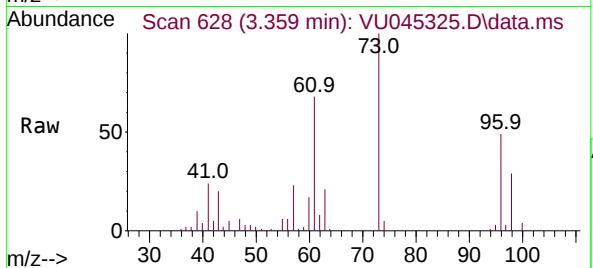


#17

trans-1,2-Dichloroethene  
Concen: 5.022 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Instrument :  
MSVOA\_U  
ClientSampleId :

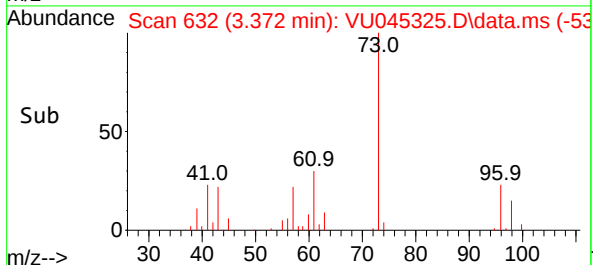
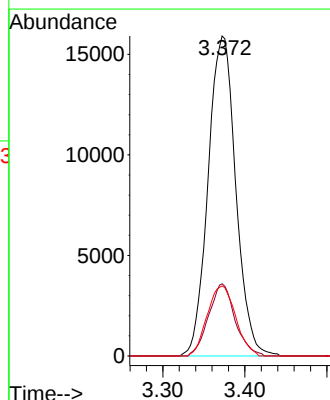
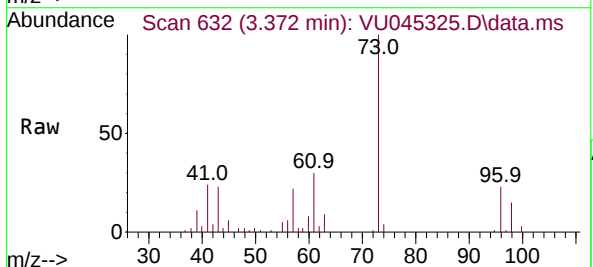
Tgt Ion: 96 Resp: 11765  
Ion Ratio Lower Upper  
96 100  
61 137.2 104.7 194.4  
98 57.8 45.8 85.2

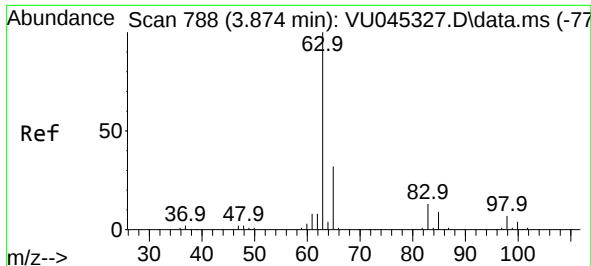


#18

Methyl tert-butyl Ether  
Concen: 4.763 ug/L  
RT: 3.372 min Scan# 632  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion: 73 Resp: 37331  
Ion Ratio Lower Upper  
73 100  
43 21.5 16.2 24.4  
57 22.4 17.9 26.9





#19

1,1-Dichloroethane

Concen: 4.797 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.003 min

Lab File: VU045325.D

Acq: 19 Oct 2021 12:23

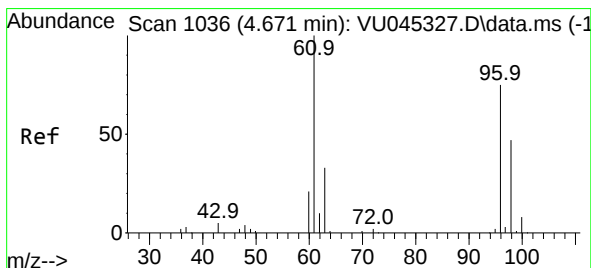
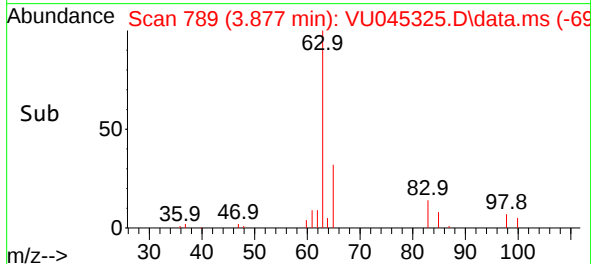
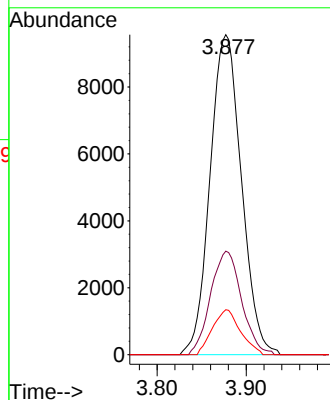
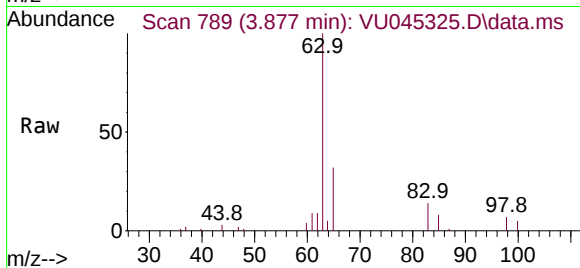
Tgt Ion: 63 Resp: 23403

Ion Ratio Lower Upper

63 100

65 30.9 22.5 41.9

83 13.5 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 4.829 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VU045325.D

Acq: 19 Oct 2021 12:23

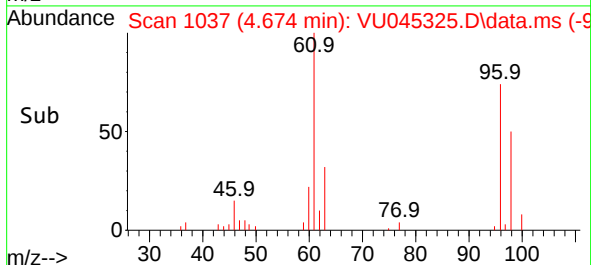
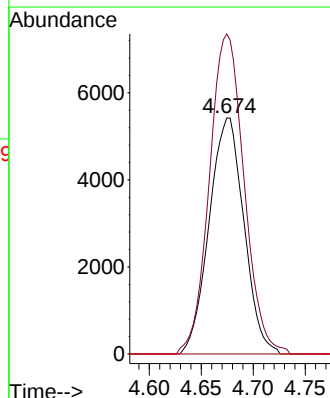
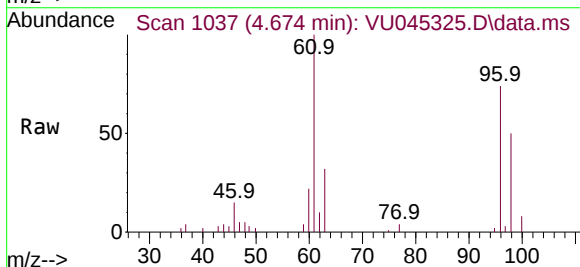
Tgt Ion: 96 Resp: 12592

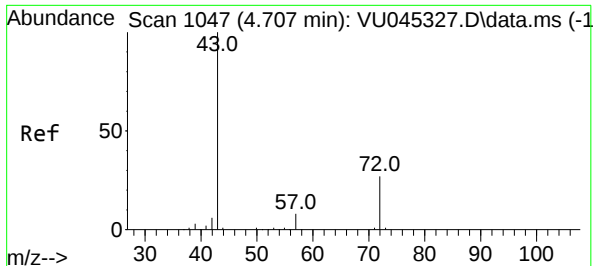
Ion Ratio Lower Upper

96 100

61 135.6 94.2 175.0

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.932 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. 0.006 min

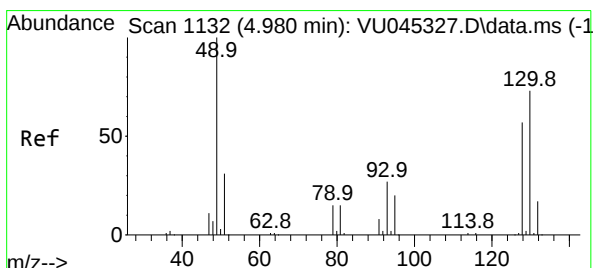
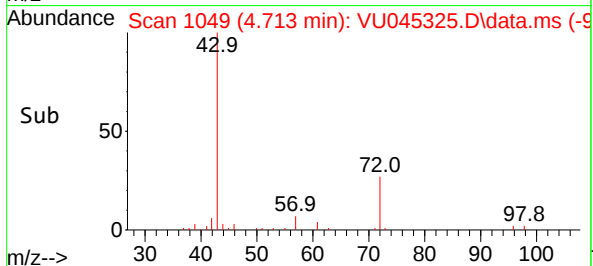
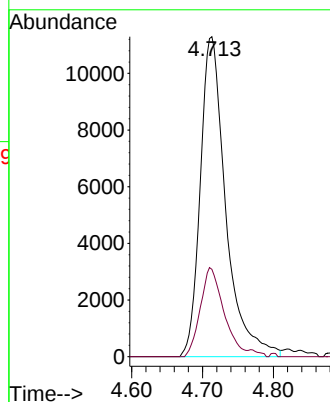
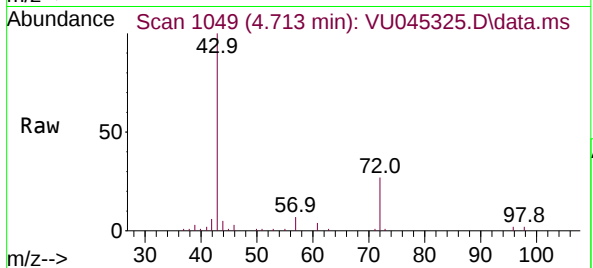
Lab File: VU045325.D

Acq: 19 Oct 2021 12:23

Tgt Ion: 43 Resp: 28199

Ion Ratio Lower Upper

|    |      |      |      |
|----|------|------|------|
| 43 | 100  |      |      |
| 72 | 25.5 | 14.1 | 42.2 |



#23

Bromochloromethane

Concen: 4.815 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

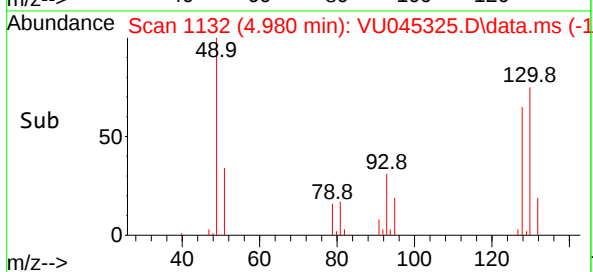
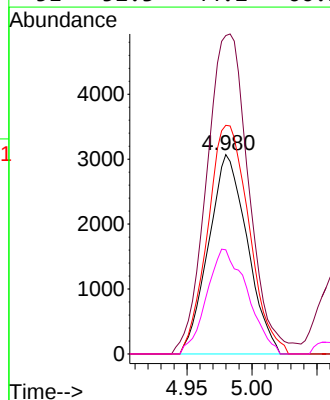
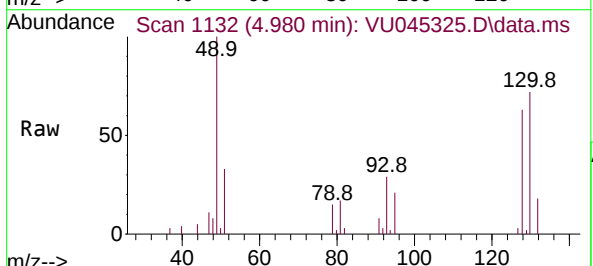
Lab File: VU045325.D

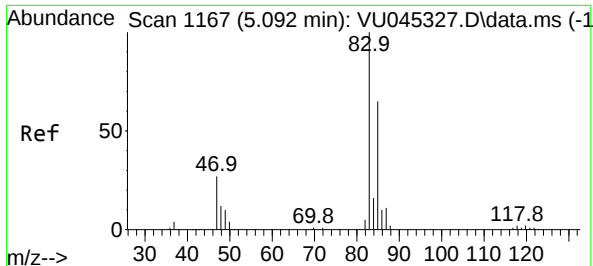
Acq: 19 Oct 2021 12:23

Tgt Ion: 128 Resp: 6359

Ion Ratio Lower Upper

|     |       |       |       |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 159.7 | 123.8 | 229.8 |
| 130 | 114.7 | 89.8  | 166.8 |
| 51  | 52.3  | 44.2  | 66.2  |





#25

Chloroform

Concen: 4.931 ug/L

RT: 5.096 min Scan# 1168

Delta R.T. 0.003 min

Lab File: VU045325.D

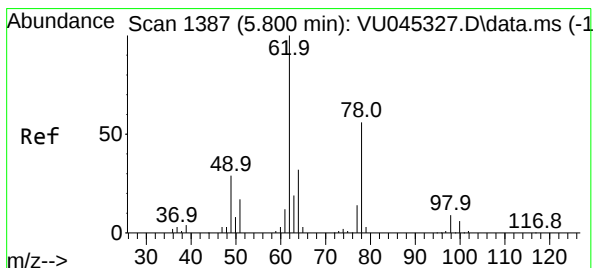
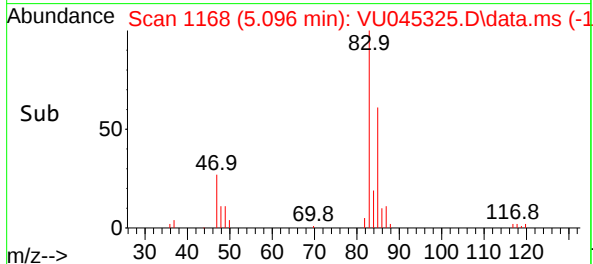
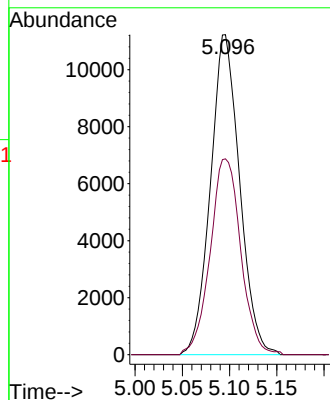
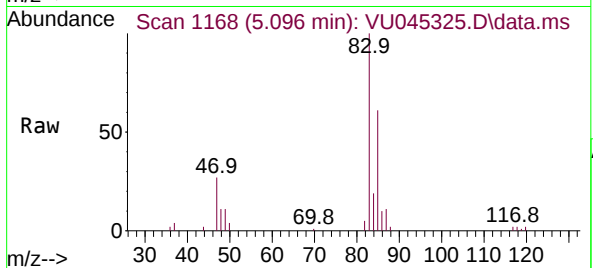
Acq: 19 Oct 2021 12:23

Tgt Ion: 83 Resp: 24094

Ion Ratio Lower Upper

83 100

85 61.2 45.4 84.2



#27

1,2-Dichloroethane

Concen: 4.748 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VU045325.D

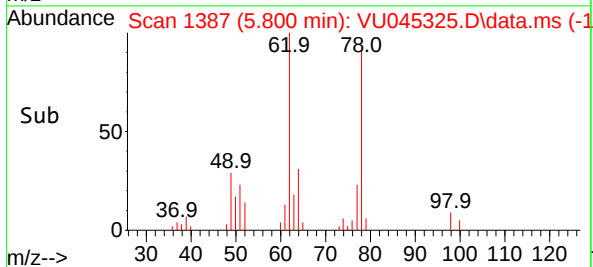
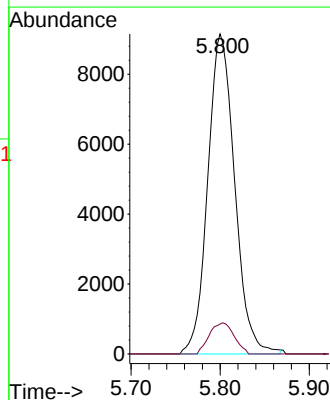
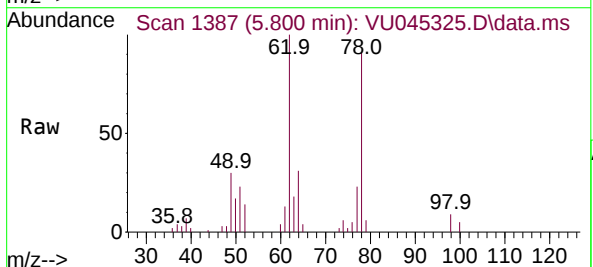
Acq: 19 Oct 2021 12:23

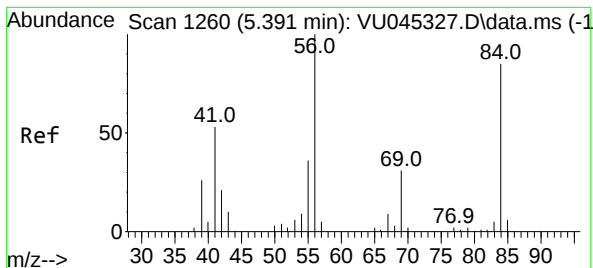
Tgt Ion: 62 Resp: 19199

Ion Ratio Lower Upper

62 100

98 9.4 7.4 11.2





#29

Cyclohexane

Concen: 4.149 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.003 min

Lab File: VU045325.D

Acq: 19 Oct 2021 12:23

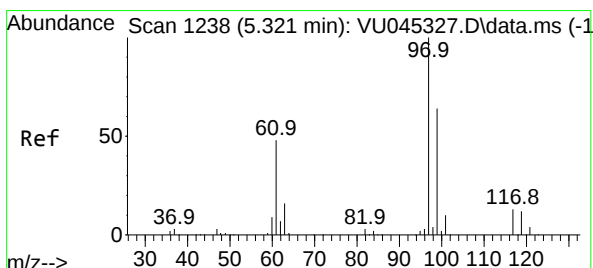
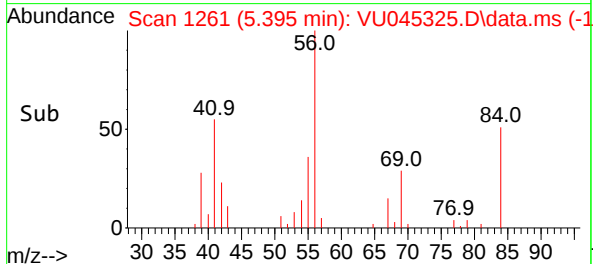
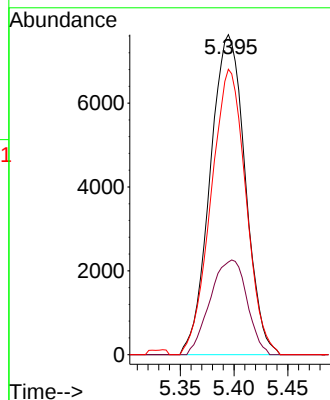
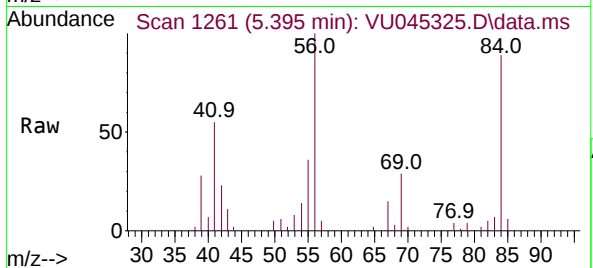
Tgt Ion: 56 Resp: 17289

Ion Ratio Lower Upper

56 100

69 30.9 24.8 37.2

84 88.7 70.3 105.5



#30

1,1,1-Trichloroethane

Concen: 4.869 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. 0.003 min

Lab File: VU045325.D

Acq: 19 Oct 2021 12:23

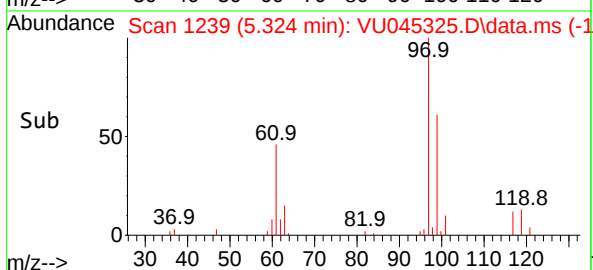
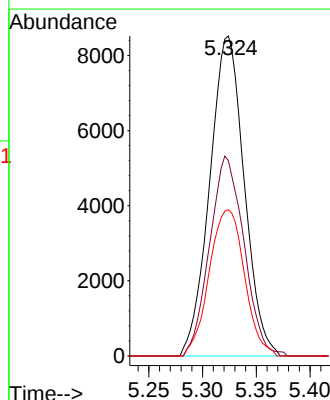
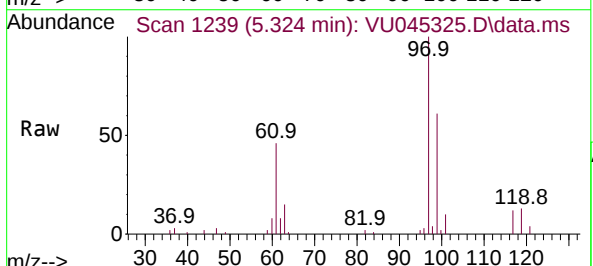
Tgt Ion: 97 Resp: 18991

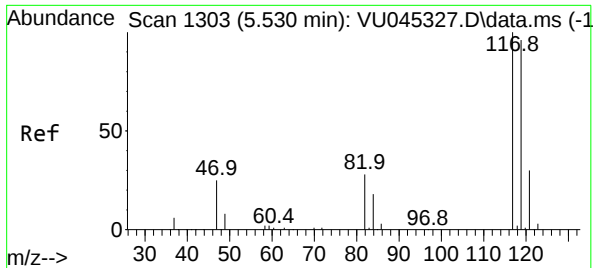
Ion Ratio Lower Upper

97 100

99 62.0 51.5 77.3

61 46.7 39.2 58.8

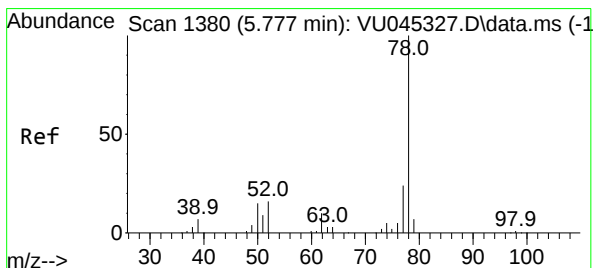
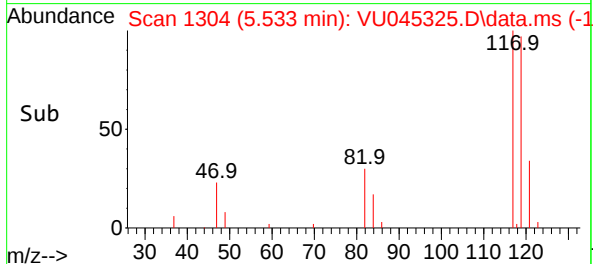
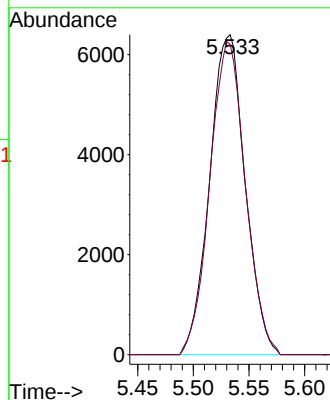
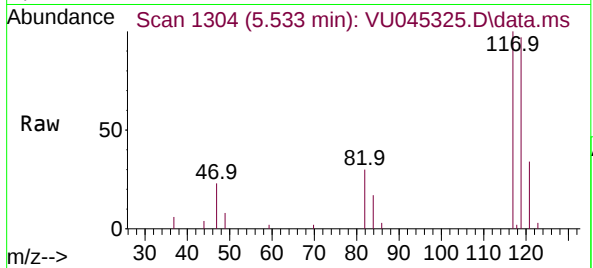




#31  
Carbon tetrachloride  
Concen: 4.611 ug/L  
RT: 5.533 min Scan# 1304  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

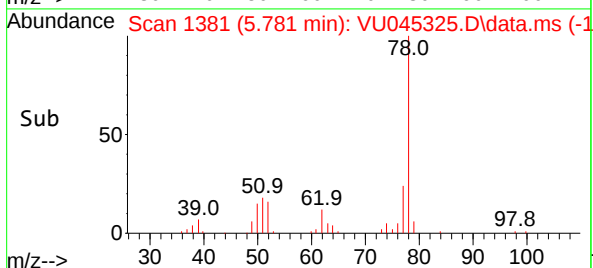
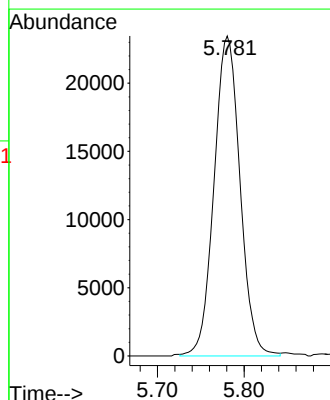
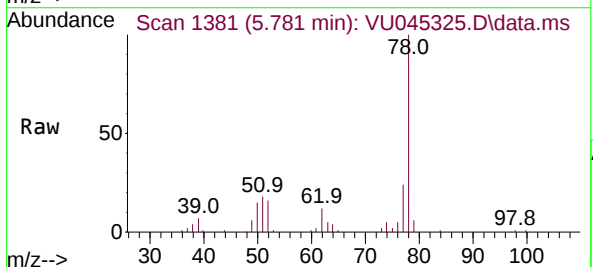
Instrument :  
MSVOA\_U  
ClientSampled :

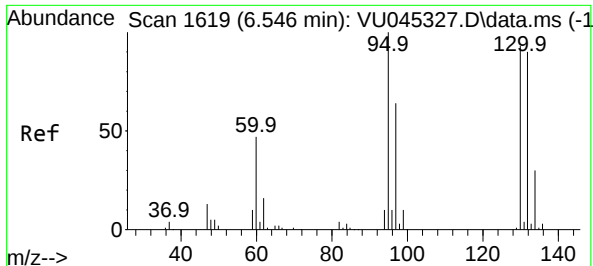
Tgt Ion:117 Resp: 14193  
Ion Ratio Lower Upper  
117 100  
119 97.6 76.7 115.1



#33  
Benzene  
Concen: 4.680 ug/L  
RT: 5.781 min Scan# 1381  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion: 78 Resp: 48858

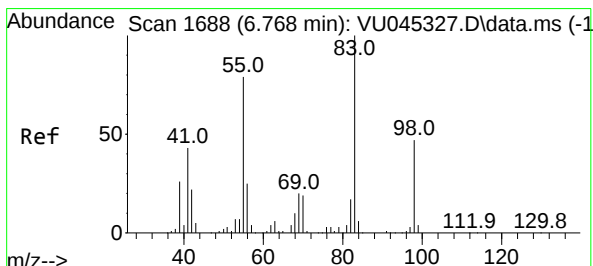
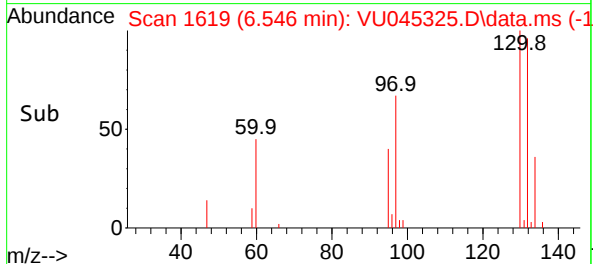
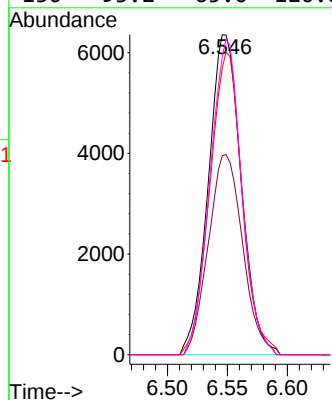
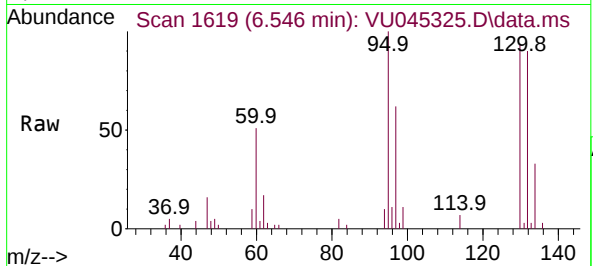




#34  
Trichloroethene  
Concen: 4.797 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

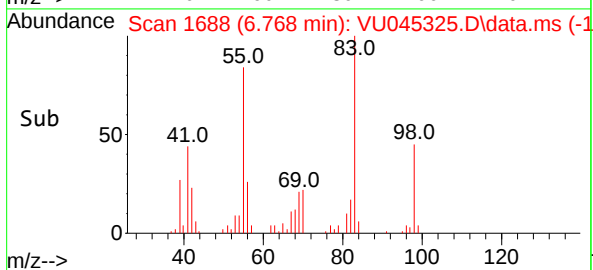
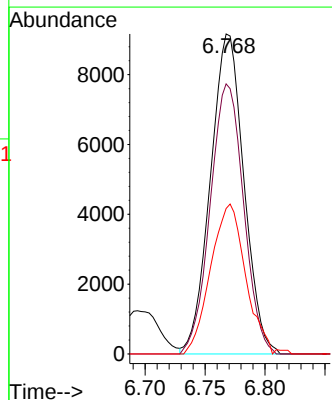
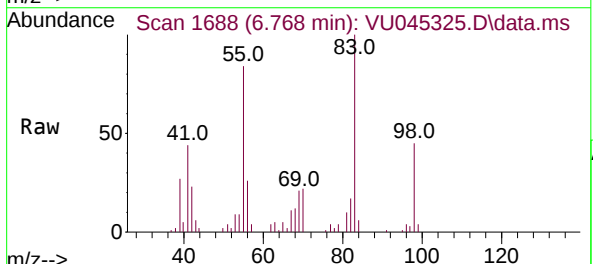
Instrument :  
MSVOA\_U  
ClientSampleId :

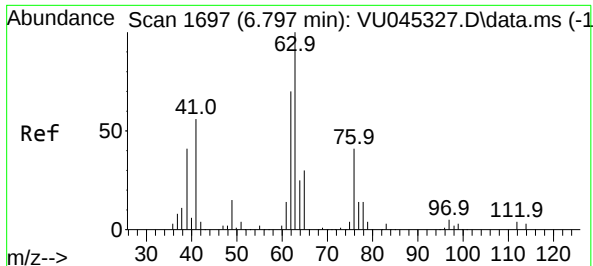
Tgt Ion: 95 Resp: 12112  
Ion Ratio Lower Upper  
95 100  
97 62.2 44.9 83.3  
132 89.6 63.0 117.0  
130 93.2 65.0 120.8



#35  
Methylcyclohexane  
Concen: 4.286 ug/L  
RT: 6.768 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion: 83 Resp: 17774  
Ion Ratio Lower Upper  
83 100  
55 84.2 63.4 95.0  
98 48.9 37.9 56.9



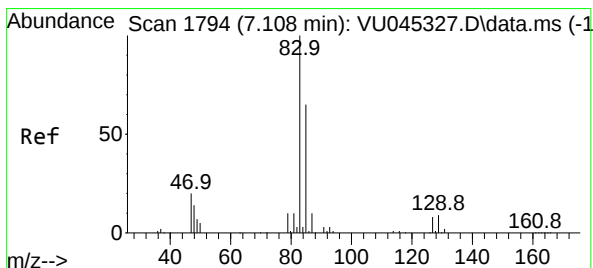
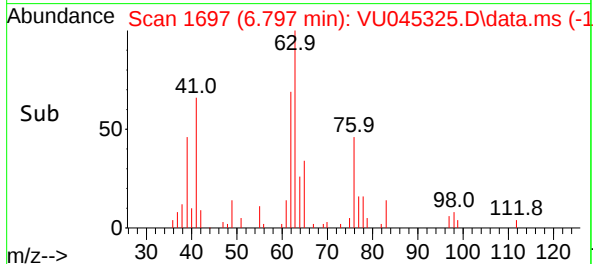
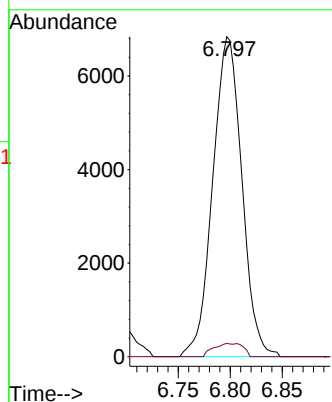
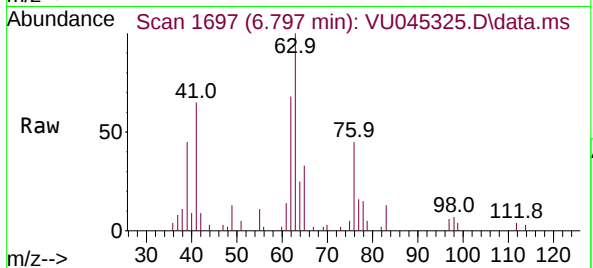


#37

1,2-Dichloropropane  
Concen: 4.677 ug/L  
RT: 6.797 min Scan# 1697  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Instrument :  
MSVOA\_U  
ClientSampled :

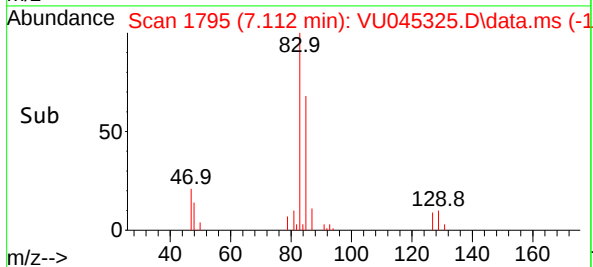
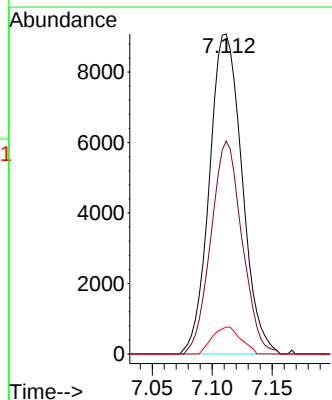
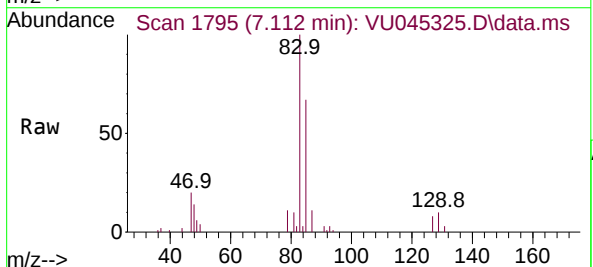
Tgt Ion: 63 Resp: 13322  
Ion Ratio Lower Upper  
63 100  
112 2.9 3.3 4.9#

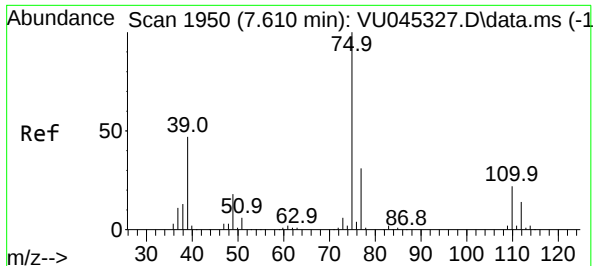


#38

Bromodichloromethane  
Concen: 4.896 ug/L  
RT: 7.112 min Scan# 1795  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion: 83 Resp: 17189  
Ion Ratio Lower Upper  
83 100  
85 66.5 45.5 84.5  
127 8.4 6.3 9.5



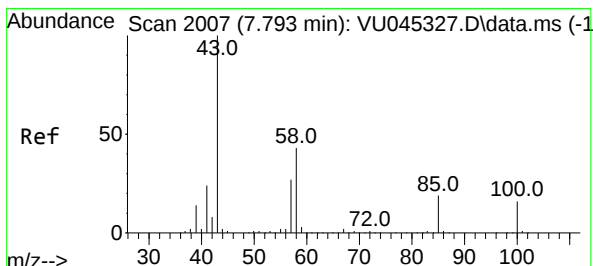
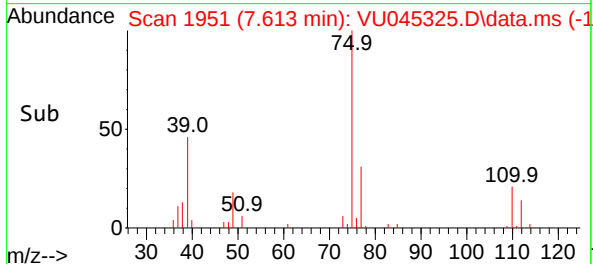
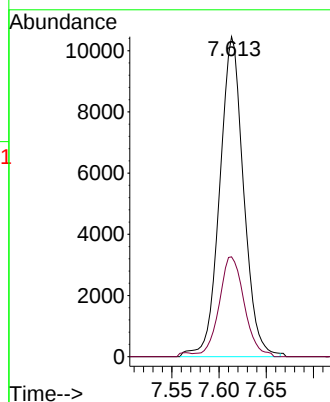
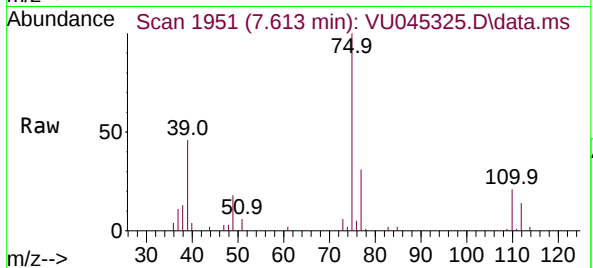


#39

cis-1,3-Dichloropropene  
 Concen: 4.478 ug/L  
 RT: 7.613 min Scan# 1951  
 Delta R.T. 0.003 min  
 Lab File: VU045325.D  
 Acq: 19 Oct 2021 12:23

Instrument :  
 MSVOA\_U  
 ClientSampled :

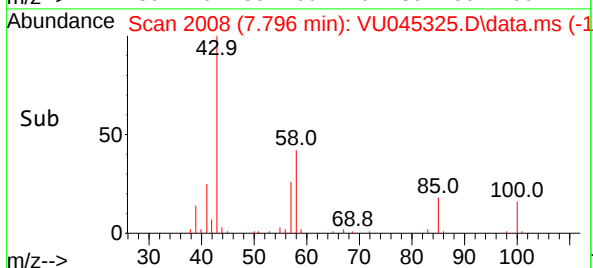
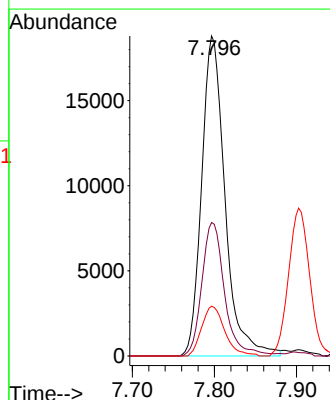
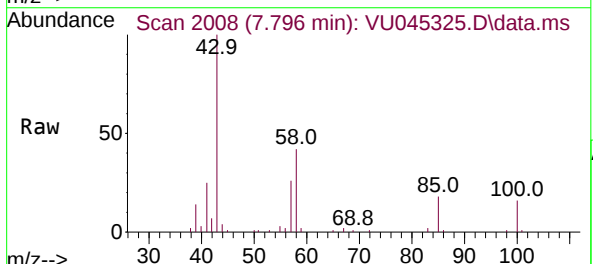
Tgt Ion: 75 Resp: 18393  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 21.6 40.0

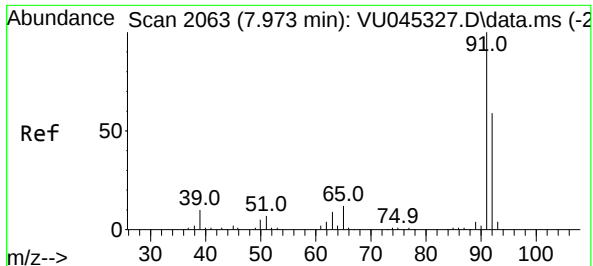


#40

4-Methyl-2-pentanone  
 Concen: 7.917 ug/L  
 RT: 7.796 min Scan# 2008  
 Delta R.T. 0.003 min  
 Lab File: VU045325.D  
 Acq: 19 Oct 2021 12:23

Tgt Ion: 43 Resp: 37203  
 Ion Ratio Lower Upper  
 43 100  
 58 40.5 33.7 50.5  
 100 15.3 13.0 19.4

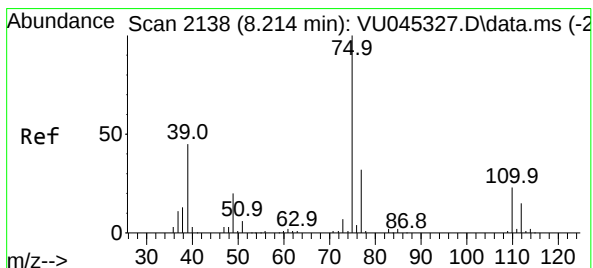
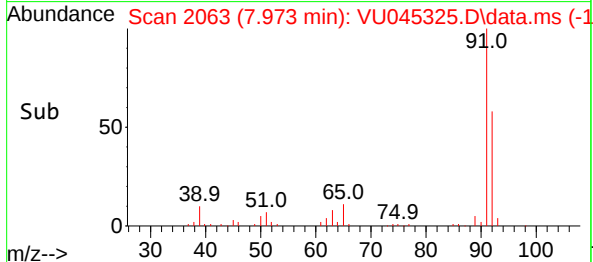
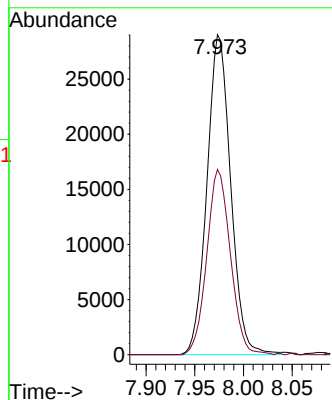
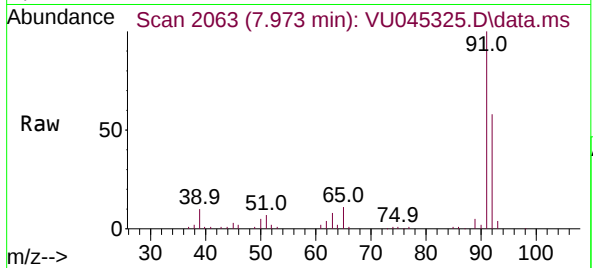




#42  
Toluene  
Concen: 4.641 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

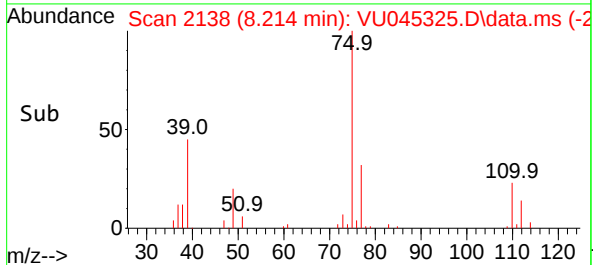
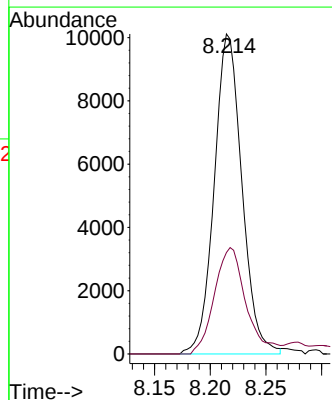
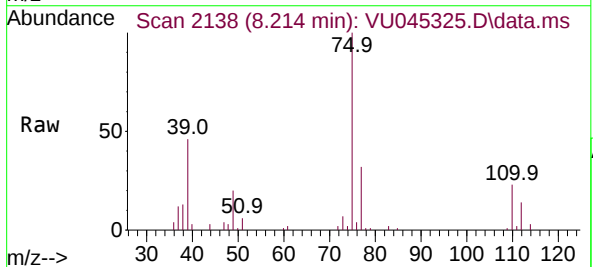
Instrument :  
MSVOA\_U  
ClientSampled :

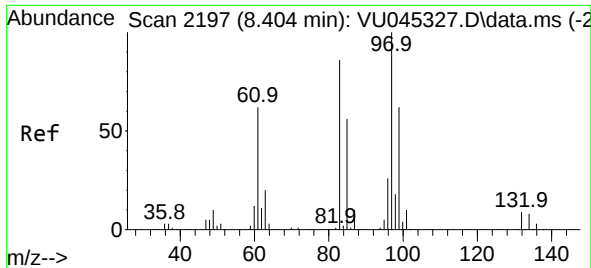
Tgt Ion: 91 Resp: 49301  
Ion Ratio Lower Upper  
91 100  
92 57.9 41.2 76.6



#44  
trans-1,3-Dichloropropene  
Concen: 4.474 ug/L  
RT: 8.214 min Scan# 2138  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion: 75 Resp: 17492  
Ion Ratio Lower Upper  
75 100  
77 31.7 22.5 41.9

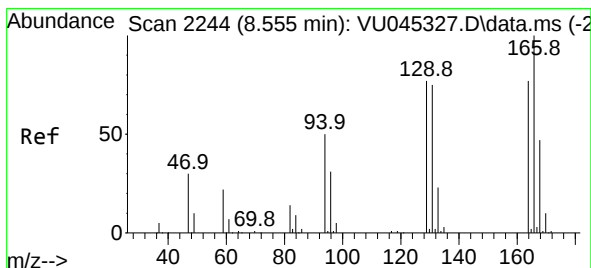
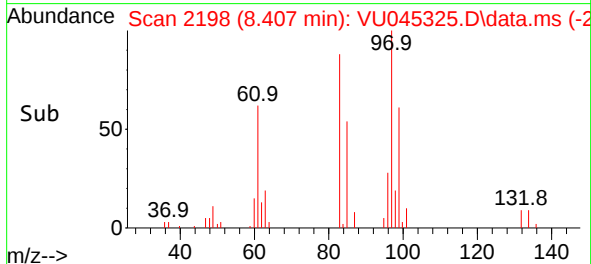
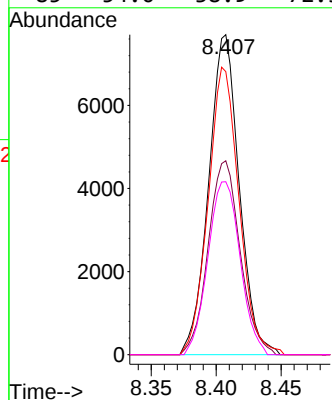
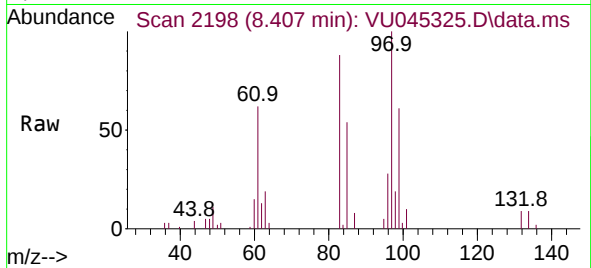




#45  
1,1,2-Trichloroethane  
Concen: 4.831 ug/L  
RT: 8.407 min Scan# 2198  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

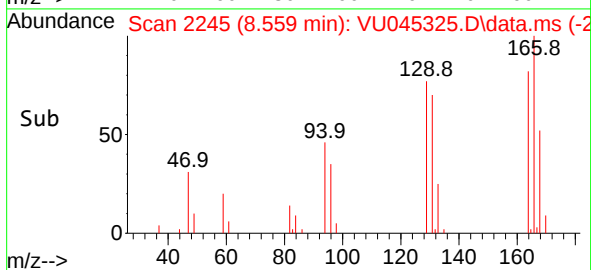
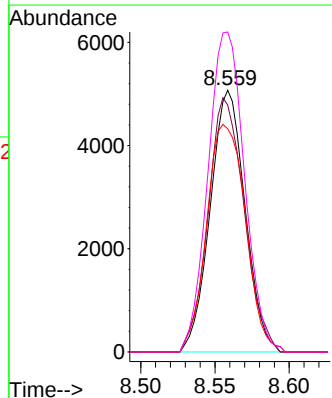
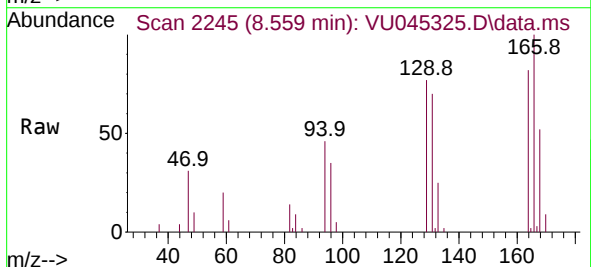
Instrument :  
MSVOA\_U  
ClientSampled :

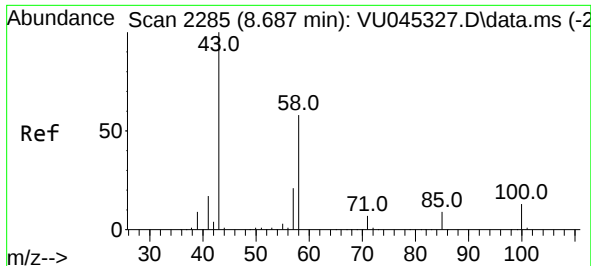
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 12607 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 60.6     | 43.0 80.0   |
| 83 88.5     | 60.1 111.5  |
| 85 54.0     | 38.9 72.3   |



#46  
Tetrachloroethene  
Concen: 4.620 ug/L  
RT: 8.559 min Scan# 2245  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

|              |             |
|--------------|-------------|
| Tgt Ion: 164 | Resp: 8284  |
| Ion Ratio    | Lower Upper |
| 164 100      |             |
| 129 92.1     | 69.6 129.2  |
| 131 83.3     | 67.5 125.4  |
| 166 119.4    | 90.4 167.8  |

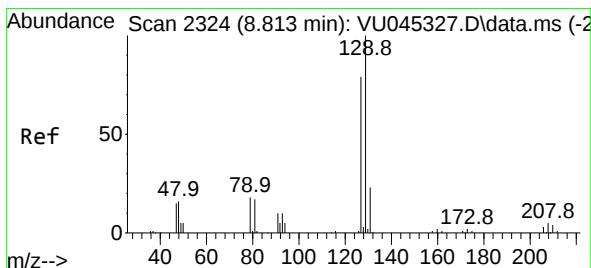
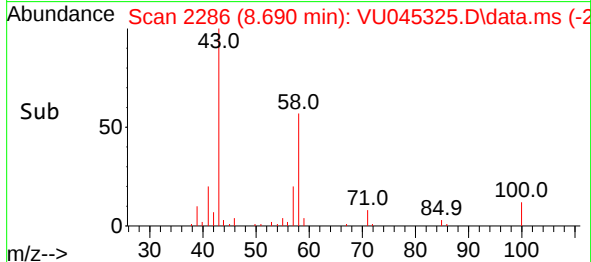
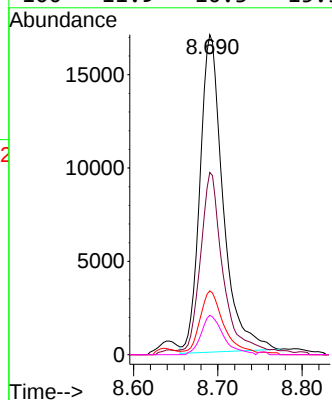
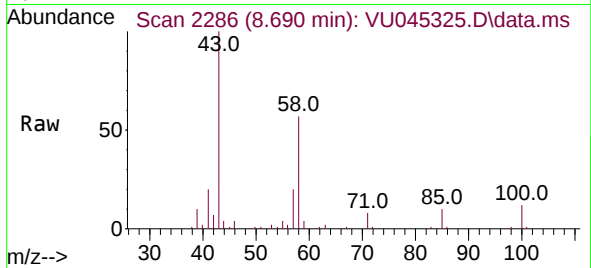




#48  
2-Hexanone  
Concen: 7.862 ug/L  
RT: 8.690 min Scan# 2286  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

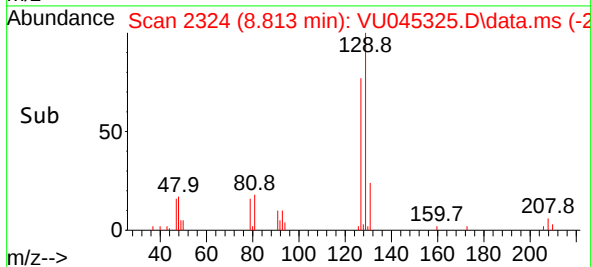
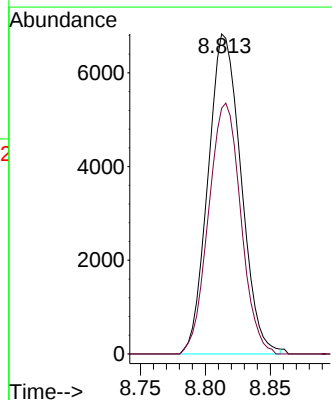
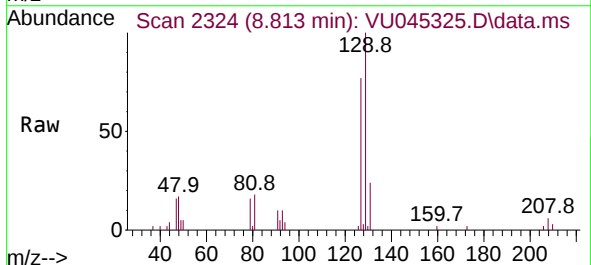
Instrument :  
MSVOA\_U  
ClientSampleId :

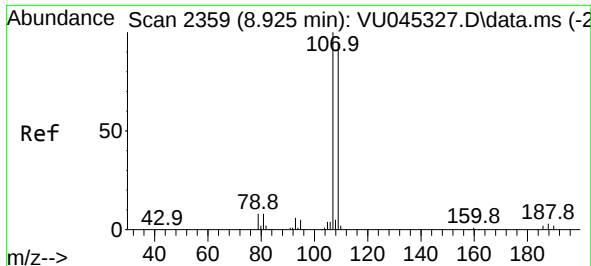
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 32545 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 53.2  | 45.4  | 68.0  |
| 57       | 19.6  | 16.0  | 24.0  |
| 100      | 11.9  | 10.3  | 15.5  |



#49  
Dibromochloromethane  
Concen: 4.680 ug/L  
RT: 8.813 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

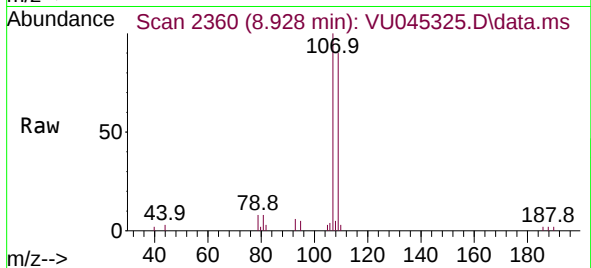
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 12054 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 76.8  | 55.3  | 102.7 |



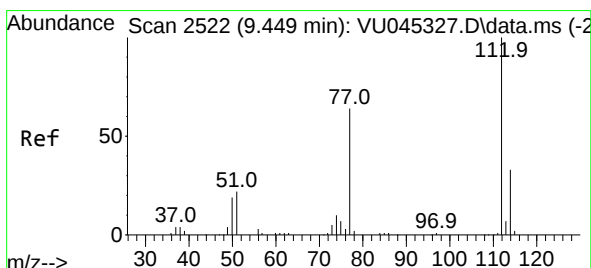
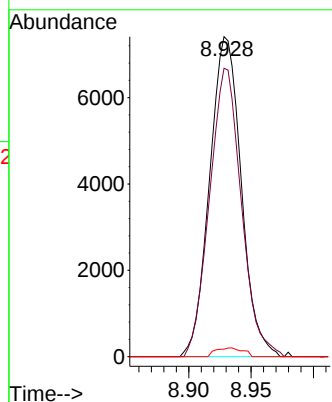
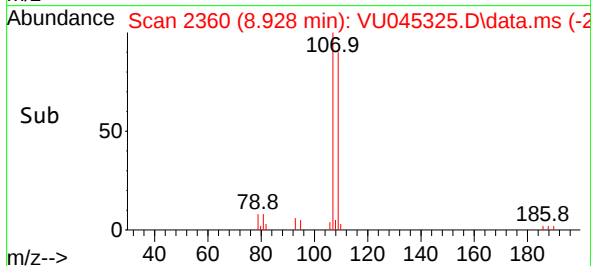


#50  
1,2-Dibromoethane  
Concen: 4.805 ug/L  
RT: 8.928 min Scan# 2360  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

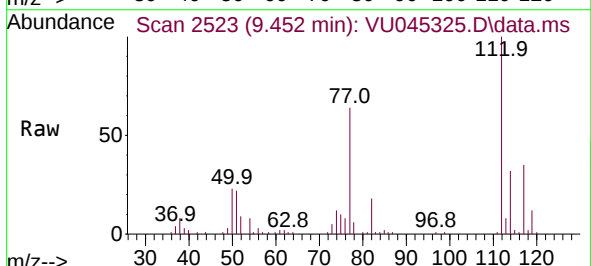
Instrument :  
MSVOA\_U  
ClientSampleId :



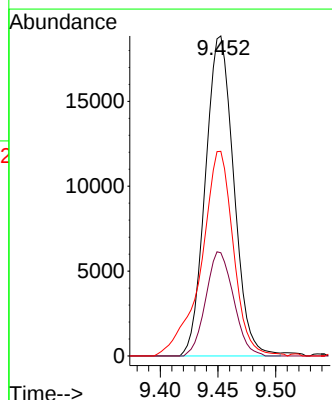
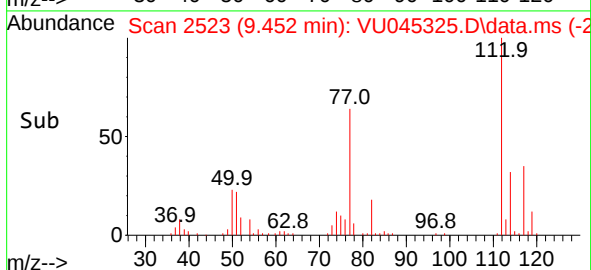
Tgt Ion:107 Resp: 13083  
Ion Ratio Lower Upper  
107 100  
109 90.2 66.6 123.6  
188 2.4 2.6 4.0#

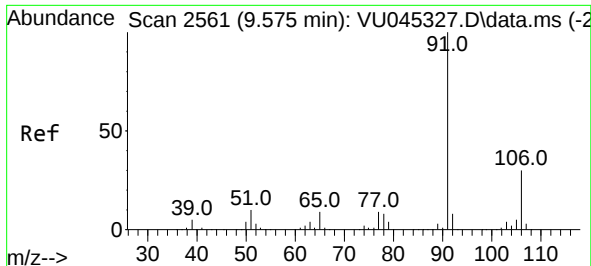


#51  
Chlorobenzene  
Concen: 4.863 ug/L  
RT: 9.452 min Scan# 2523  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23



Tgt Ion:112 Resp: 32249  
Ion Ratio Lower Upper  
112 100  
114 32.3 22.8 42.4  
77 64.0 51.3 76.9

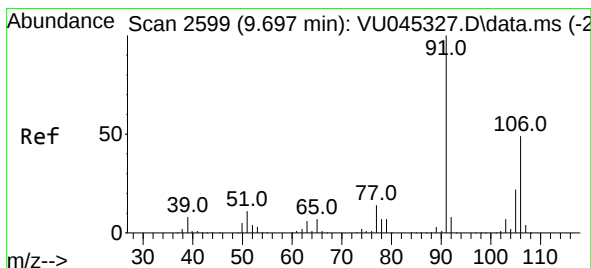
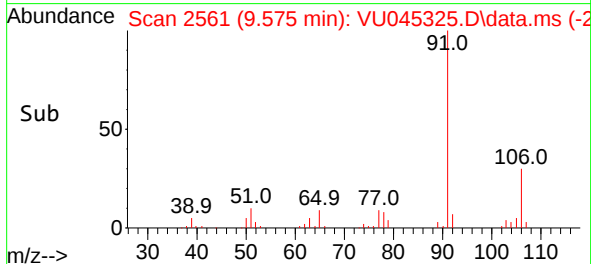
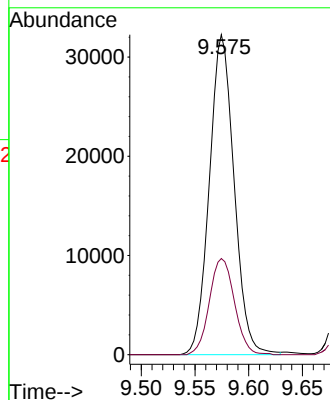
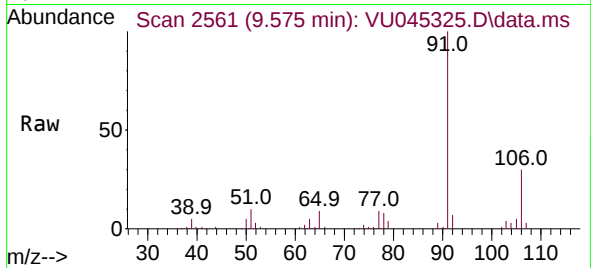




#52  
Ethylbenzene  
Concen: 4.561 ug/L  
RT: 9.575 min Scan# 2561  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

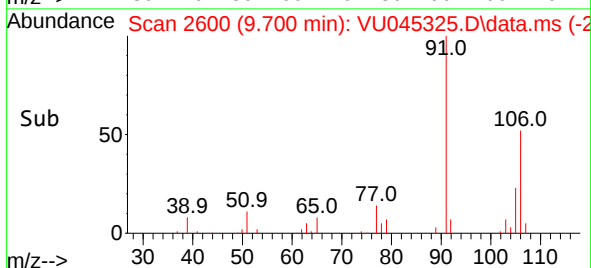
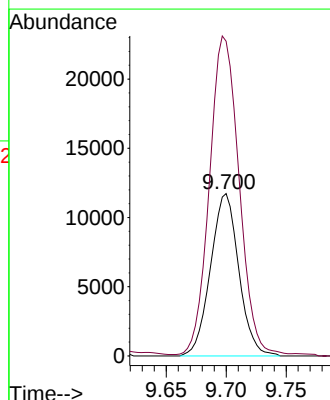
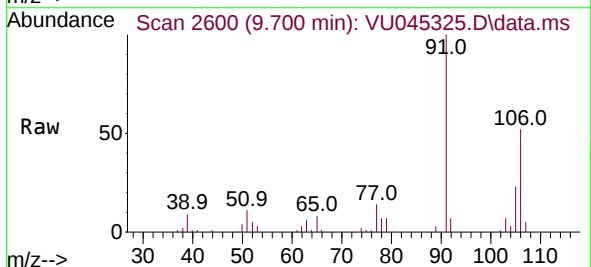
Instrument :  
MSVOA\_U  
ClientSampled :

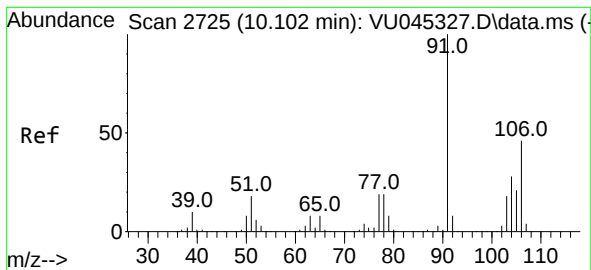
Tgt Ion: 91 Resp: 51625  
Ion Ratio Lower Upper  
91 100  
106 30.1 21.1 39.3



#53  
m,p-Xylene  
Concen: 4.481 ug/L  
RT: 9.700 min Scan# 2600  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion: 106 Resp: 19225  
Ion Ratio Lower Upper  
106 100  
91 193.8 144.4 268.2





#54

o-xylene

Concen: 4.668 ug/L

RT: 10.105 min Scan# 2726

Delta R.T. 0.003 min

Lab File: VU045325.D

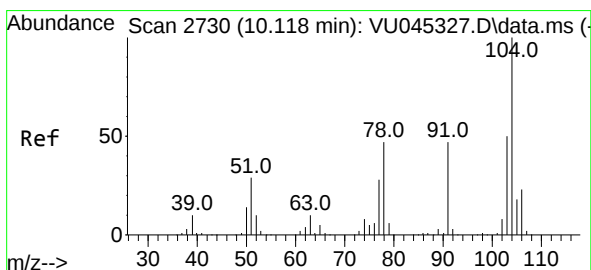
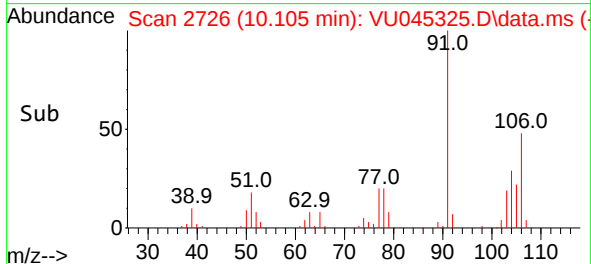
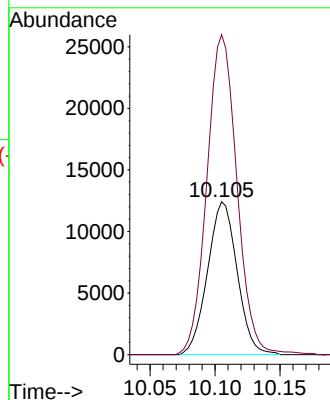
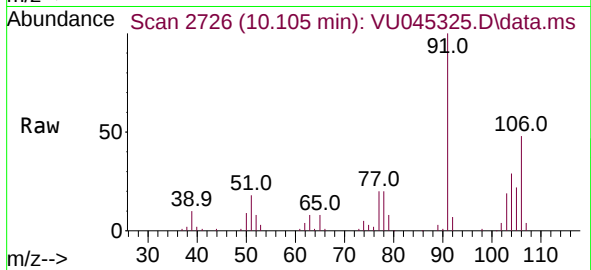
Acq: 19 Oct 2021 12:23

Tgt Ion:106 Resp: 19711

Ion Ratio Lower Upper

106 100

91 209.2 151.1 280.5



#55

Styrene

Concen: 4.253 ug/L

RT: 10.121 min Scan# 2731

Delta R.T. 0.003 min

Lab File: VU045325.D

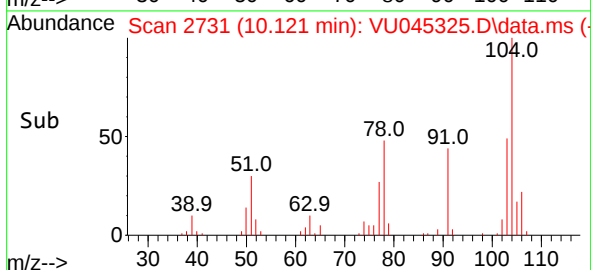
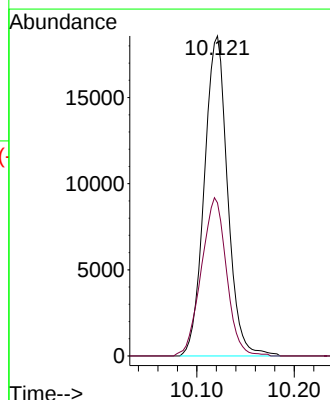
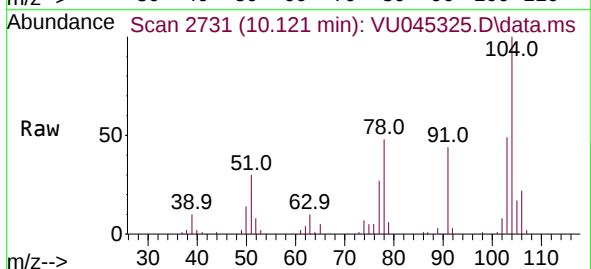
Acq: 19 Oct 2021 12:23

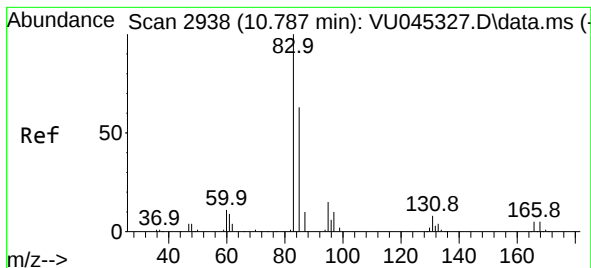
Tgt Ion:104 Resp: 30868

Ion Ratio Lower Upper

104 100

78 47.9 32.7 60.7

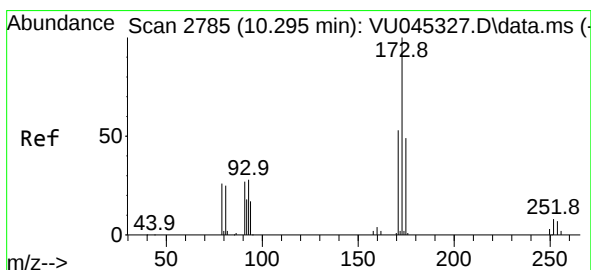
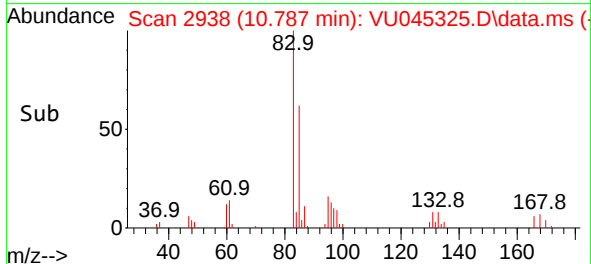
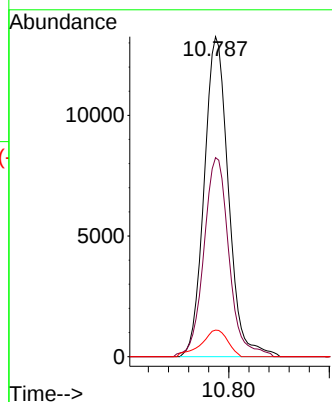
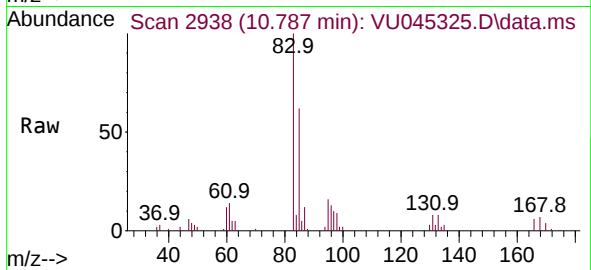




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.467 ug/L  
RT: 10.787 min Scan# 2938  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

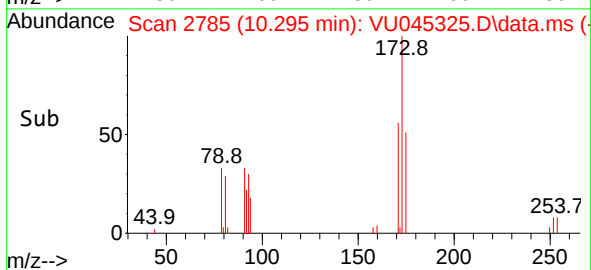
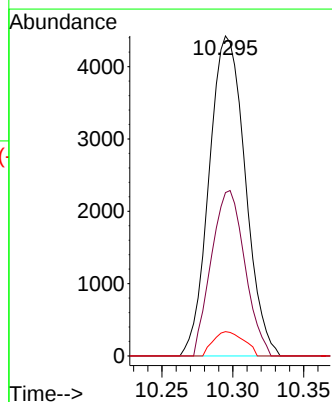
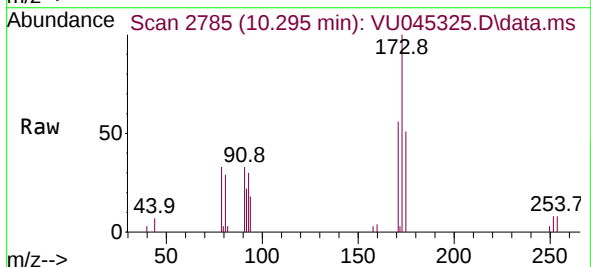
Instrument :  
MSVOA\_U  
ClientSampled :

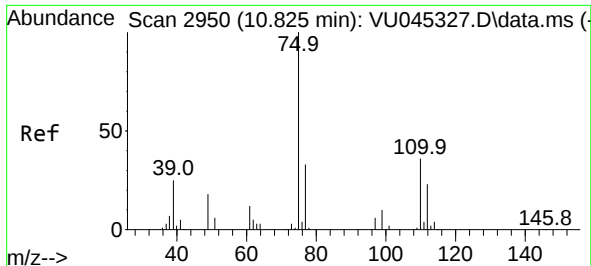
Tgt Ion: 83 Resp: 22208  
Ion Ratio Lower Upper  
83 100  
85 62.2 44.4 82.5  
131 8.3 6.8 10.2



#59  
Bromoform  
Concen: 4.611 ug/L  
RT: 10.295 min Scan# 2785  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion:173 Resp: 7841  
Ion Ratio Lower Upper  
173 100  
175 47.9 39.3 58.9  
254 6.4 5.8 8.6

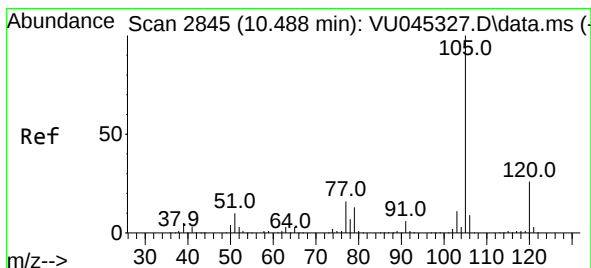
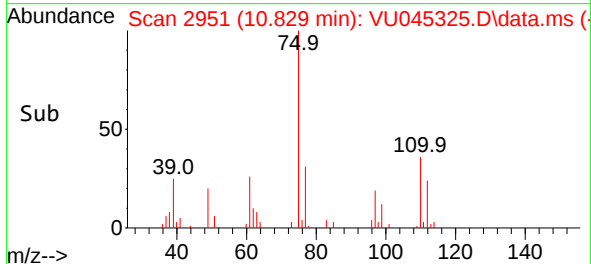
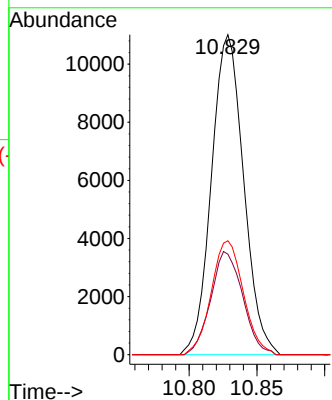
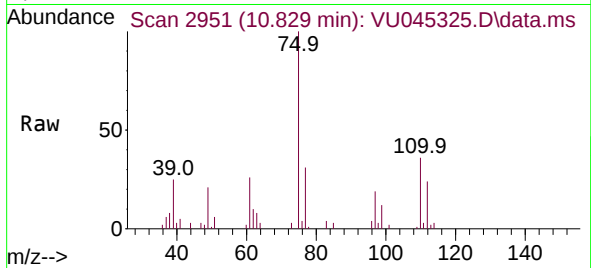




#60  
1,2,3-Trichloropropane  
Concen: 4.818 ug/L  
RT: 10.829 min Scan# 2951  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

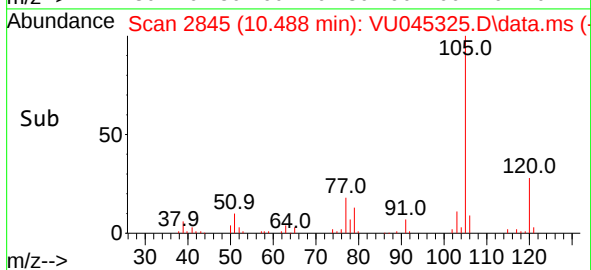
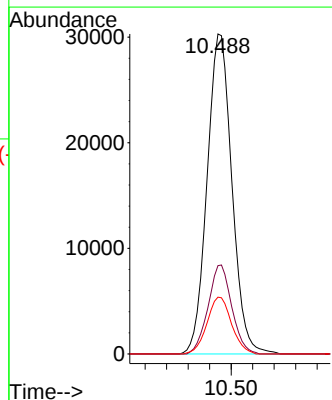
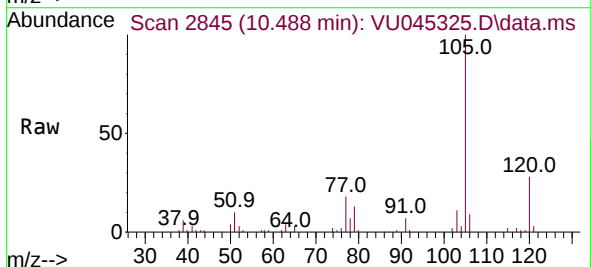
Instrument :  
MSVOA\_U  
ClientSampled :

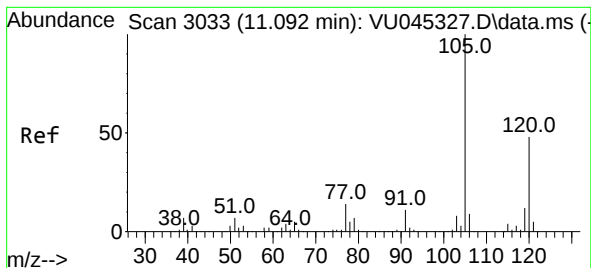
Tgt Ion: 75 Resp: 18169  
Ion Ratio Lower Upper  
75 100  
77 32.0 26.0 39.0  
110 35.5 28.8 43.2



#61  
Isopropylbenzene  
Concen: 4.822 ug/L  
RT: 10.488 min Scan# 2845  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion: 105 Resp: 48494  
Ion Ratio Lower Upper  
105 100  
120 26.5 20.5 30.7  
77 17.5 13.2 19.8

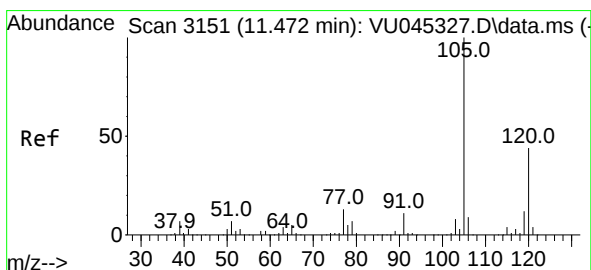
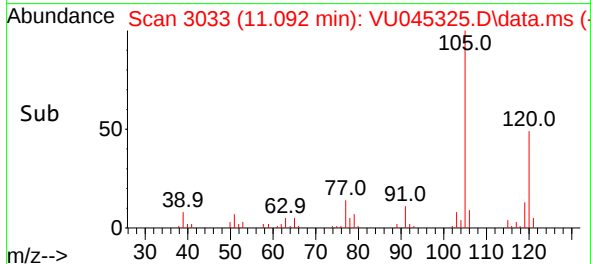
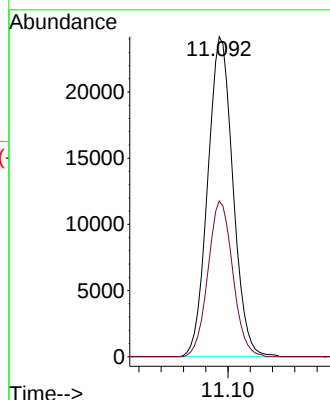
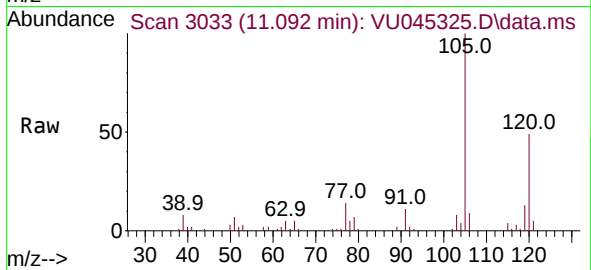




#62  
1,3,5-Trimethylbenzene  
Concen: 4.527 ug/L  
RT: 11.092 min Scan# 3033  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

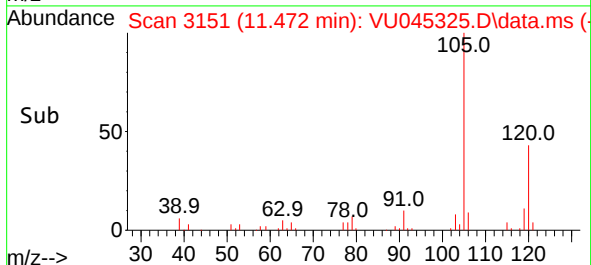
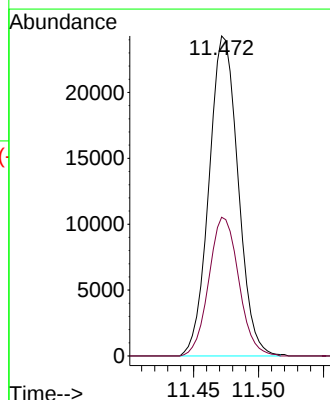
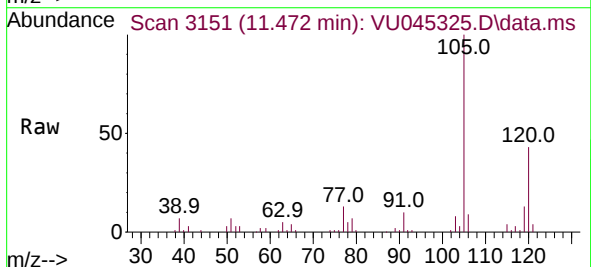
Instrument :  
MSVOA\_U  
ClientSampleId :

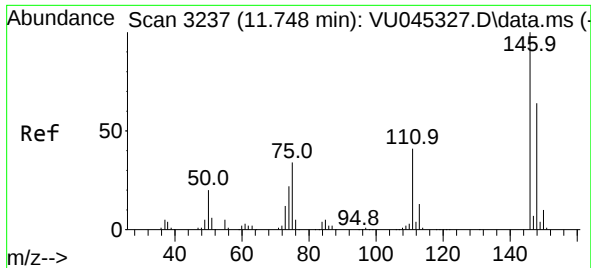
Tgt Ion:105 Resp: 38066  
Ion Ratio Lower Upper  
105 100  
120 47.8 38.2 57.2



#63  
1,2,4-Trimethylbenzene  
Concen: 4.404 ug/L  
RT: 11.472 min Scan# 3151  
Delta R.T. 0.000 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion:105 Resp: 37826  
Ion Ratio Lower Upper  
105 100  
120 44.5 35.5 53.3

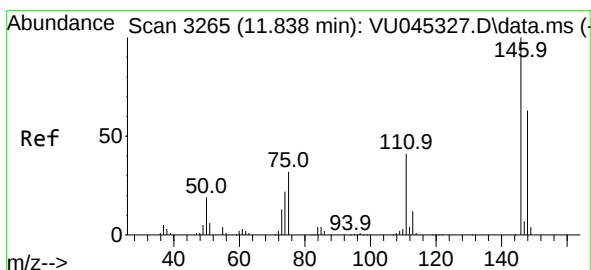
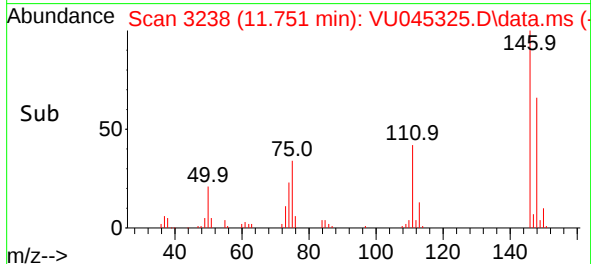
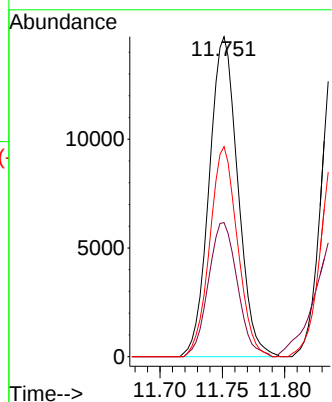
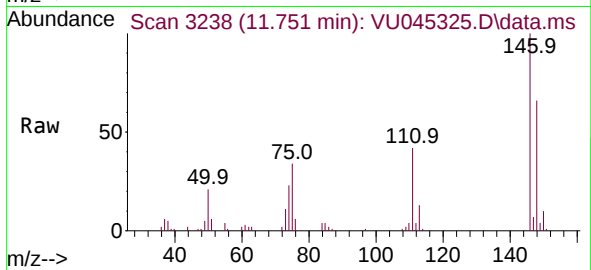




#64  
1,3-Dichlorobenzene  
Concen: 5.032 ug/L  
RT: 11.751 min Scan# 3238  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

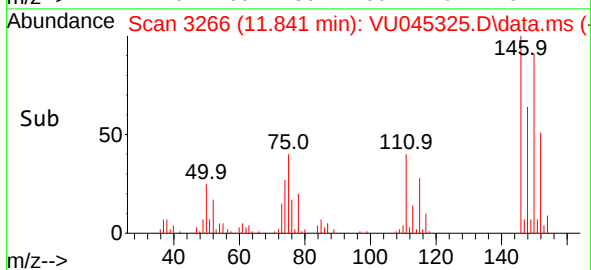
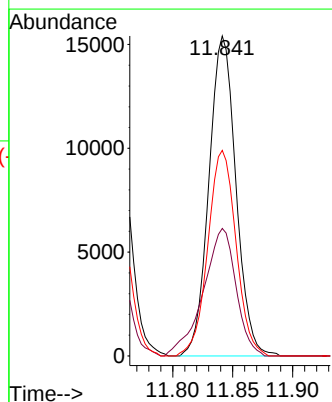
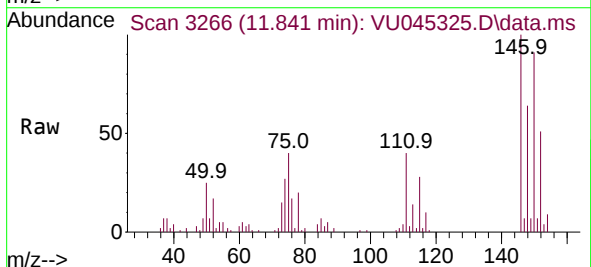
Instrument :  
MSVOA\_U  
ClientSampleId :

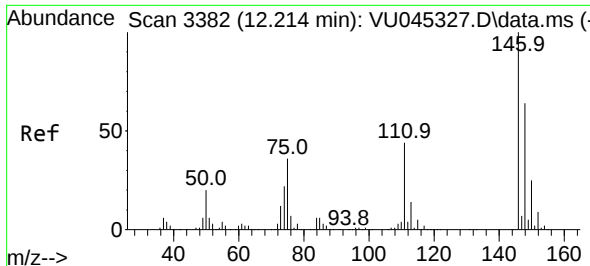
Tgt Ion:146 Resp: 23537  
Ion Ratio Lower Upper  
146 100  
111 41.9 29.0 53.9  
148 65.6 45.0 83.6



#65  
1,4-Dichlorobenzene  
Concen: 5.038 ug/L  
RT: 11.841 min Scan# 3266  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion:146 Resp: 24133  
Ion Ratio Lower Upper  
146 100  
111 39.9 28.6 53.2  
148 64.2 44.2 82.0

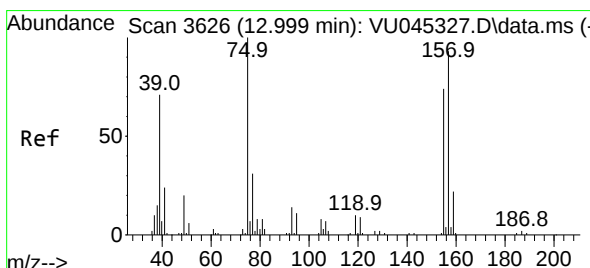
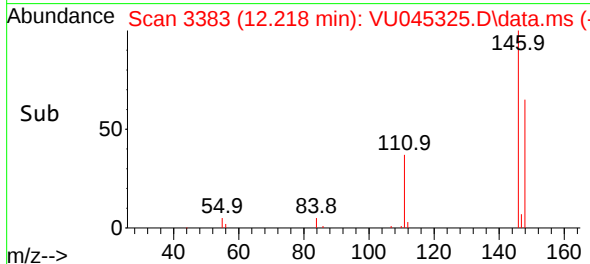
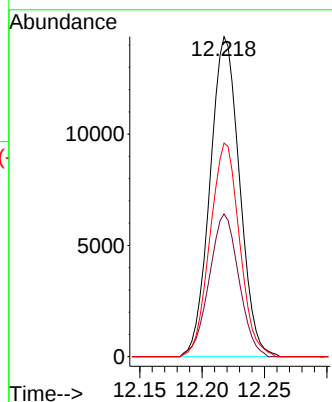
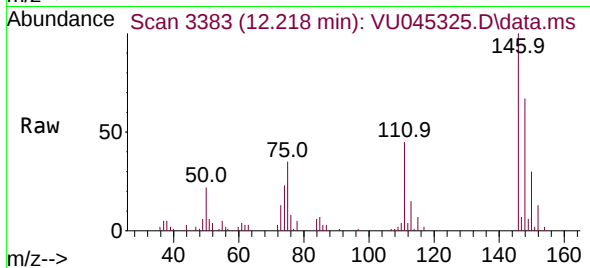




#67  
1,2-Dichlorobenzene  
Concen: 4.963 ug/L  
RT: 12.218 min Scan# 3383  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

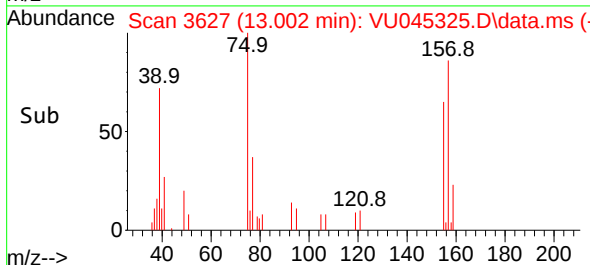
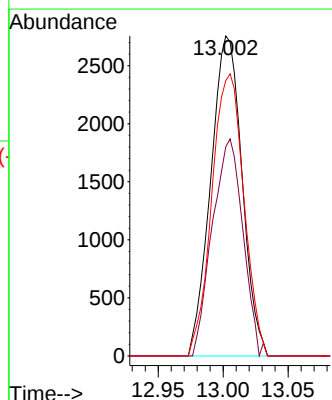
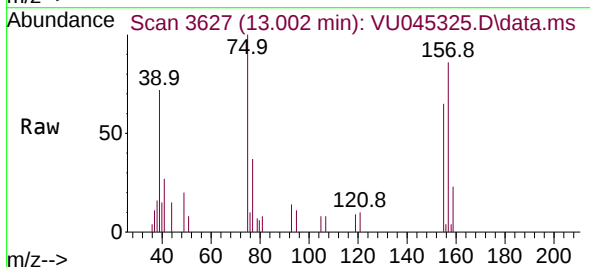
Instrument :  
MSVOA\_U  
ClientSampled :

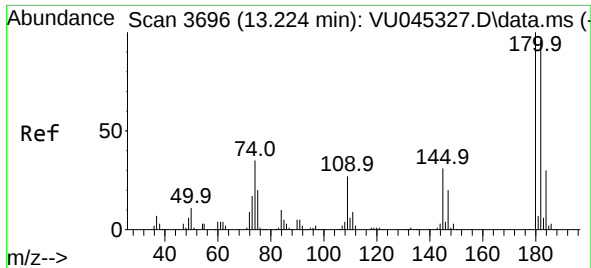
Tgt Ion:146 Resp: 23709  
Ion Ratio Lower Upper  
146 100  
111 41.7 35.2 52.8  
148 62.4 50.8 76.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.298 ug/L  
RT: 13.002 min Scan# 3627  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion: 75 Resp: 4604  
Ion Ratio Lower Upper  
75 100  
155 69.2 61.9 92.9  
157 86.1 74.1 111.1

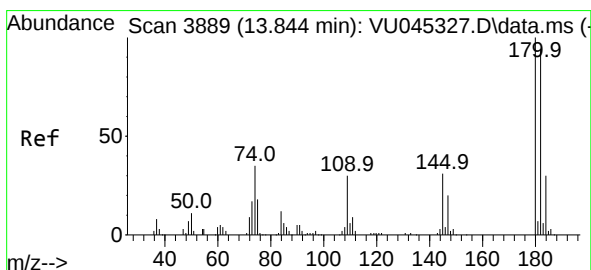
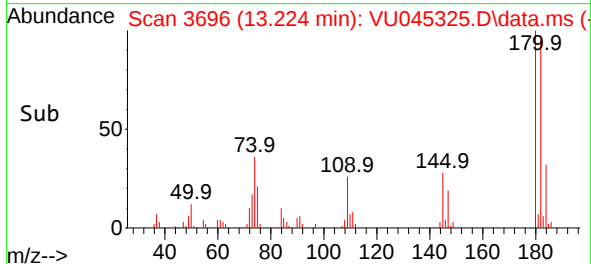
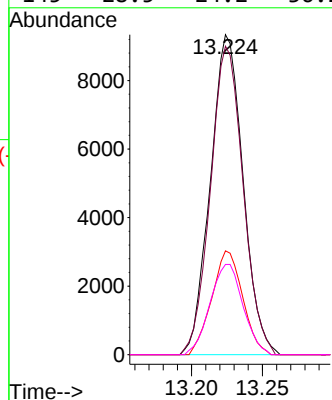
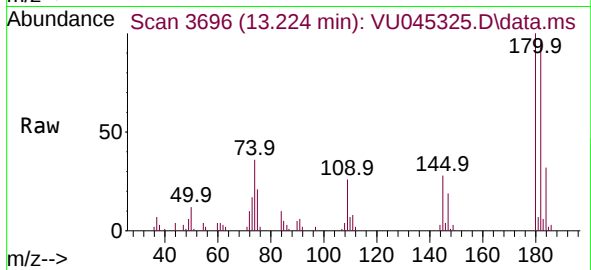




#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.637 ug/L  
 RT: 13.224 min Scan# 3696  
 Delta R.T. 0.000 min  
 Lab File: VU045325.D  
 Acq: 19 Oct 2021 12:23

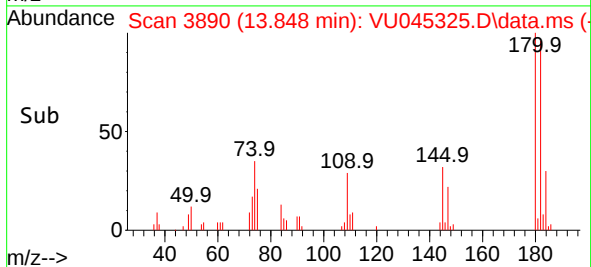
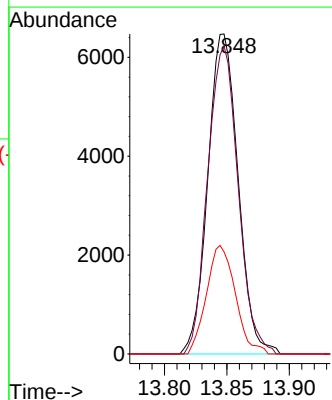
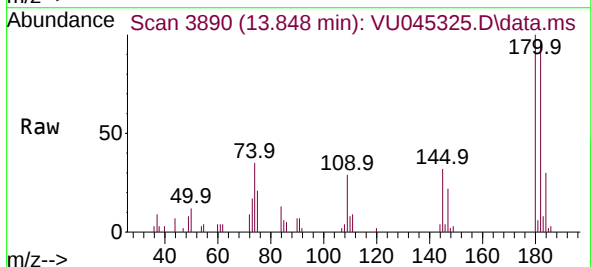
Instrument :  
 MSVOA\_U  
 ClientSampleId :

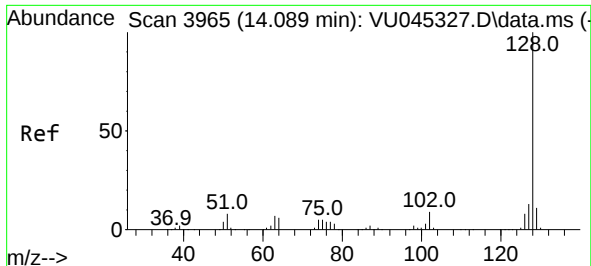
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 14976 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.1  | 76.0  | 114.0 |
| 184       | 30.7  | 23.8  | 35.8  |
| 145       | 28.5  | 24.2  | 36.2  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.095 ug/L  
 RT: 13.848 min Scan# 3890  
 Delta R.T. 0.003 min  
 Lab File: VU045325.D  
 Acq: 19 Oct 2021 12:23

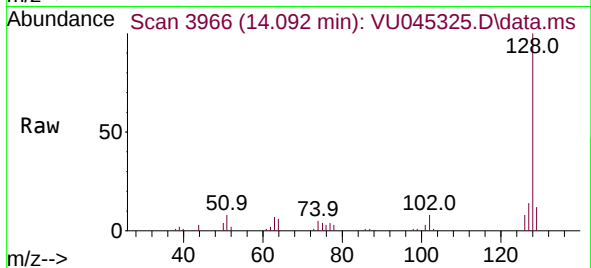
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 10954 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.5  | 75.7  | 113.5 |
| 145       | 32.4  | 25.1  | 37.7  |



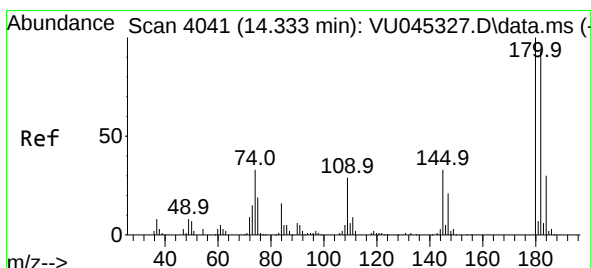
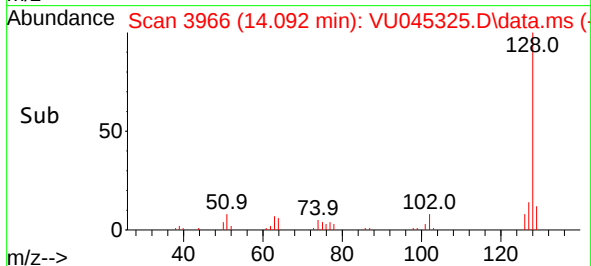
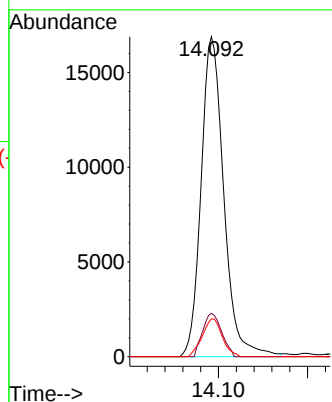


#71  
Naphthalene  
Concen: 3.255 ug/L  
RT: 14.092 min Scan# 3966  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Instrument :  
MSVOA\_U  
ClientSampled :



Tgt Ion:128 Resp: 29865  
Ion Ratio Lower Upper  
128 100  
127 11.4 10.6 15.8  
129 10.4 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 3.946 ug/L  
RT: 14.336 min Scan# 4042  
Delta R.T. 0.003 min  
Lab File: VU045325.D  
Acq: 19 Oct 2021 12:23

Tgt Ion:180 Resp: 10743  
Ion Ratio Lower Upper  
180 100  
182 95.8 75.0 112.4  
145 34.1 26.4 39.6

