

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060723\  
 Data File : VU054406.D  
 Acq On : 07 Jun 2023 12:05  
 Operator : MD/SY  
 Sample : VSTD00132  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD001032

Quant Time: Jun 08 01:04:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jun 08 01:03:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114  | 321473   | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117  | 297597   | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152  | 152463   | 5.000 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65   | 19773    | 0.966 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.914  | 69   | 18317    | 0.956 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65   | 8733     | 0.956 | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 4.644  | 46   | 50314    | 8.747 | ug/L  | 0.01     |
| 24) Chloroform-d              | 5.058  | 84   | 39427    | 0.922 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.701  | 65   | 20189    | 0.968 | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.727  | 84   | 78747    | 0.952 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.688  | 67   | 25935    | 0.939 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.894  | 98   | 67994    | 0.926 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79   | 9001     | 0.937 | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.634  | 63   | 34081    | 8.456 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84   | 18629    | 0.904 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152  | 23923    | 0.930 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.383  | 85   | 27685    | 0.922 | ug/L  | 100      |
| 3) Chloromethane              | 1.518  | 50   | 32594    | 0.945 | ug/L  | 96       |
| 5) Vinyl chloride             | 1.605  | 62   | 32463    | 0.917 | ug/L  | 97       |
| 6) Bromomethane               | 1.859  | 94   | 17566    | 0.902 | ug/L  | 99       |
| 8) Chloroethane               | 1.933  | 64   | 19161    | 0.903 | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.136  | 101  | 40841    | 0.938 | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.579  | 101  | 23741    | 0.932 | ug/L  | 96       |
| 12) 1,1-Dichloroethene        | 2.579  | 96   | 21562    | 0.925 | ug/L  | 91       |
| 13) Acetone                   | 2.647  | 43   | 45830    | 8.450 | ug/L  | 98       |
| 14) Carbon disulfide          | 2.795  | 76   | 62142    | 0.899 | ug/L  | 99       |
| 15) Methyl Acetate            | 2.959  | 43   | 8849     | 0.880 | ug/L  | 94       |
| 16) Methylene chloride        | 3.045  | 84   | 31926    | 0.974 | ug/L  | 98       |
| 17) Methyl tert-butyl Ether   | 3.361  | 73   | 50248    | 0.873 | ug/L  | 98       |
| 18) trans-1,2-Dichloroethene  | 3.354  | 96   | 21975    | 0.913 | ug/L  | 92       |
| 19) 1,1-Dichloroethane        | 3.865  | 63   | 45613    | 0.916 | ug/L  | 99       |
| 21) 2-Butanone                | 4.721  | 43   | 56867    | 7.640 | ug/L  | 99       |
| 22) cis-1,2-Dichloroethene    | 4.666  | 96   | 24519    | 0.894 | ug/L  | 96       |
| 23) Bromochloromethane        | 4.975  | 128  | 10124    | 0.887 | ug/L  | 93       |
| 25) Chloroform                | 5.087  | 83   | 43929    | 0.894 | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 5.795  | 62   | 25679    | 0.892 | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.312  | 97   | 36560    | 0.906 | ug/L  | 99       |
| 30) Cyclohexane               | 5.386  | 56   | 38425    | 0.874 | ug/L  | 96       |
| 31) Carbon tetrachloride      | 5.528  | 117  | 30549    | 0.879 | ug/L  | 97       |
| 33) Benzene                   | 5.772  | 78   | 95862    | 0.896 | ug/L  | 100      |
| 34) Trichloroethene           | 6.544  | 95   | 25795    | 0.912 | ug/L  | 94       |
| 35) Methylcyclohexane         | 6.759  | 83   | 36511    | 0.854 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.788  | 63   | 26780    | 0.926 | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.103  | 83   | 30287    | 0.925 | ug/L  | 94       |
| 39) cis-1,3-Dichloropropene   | 7.605  | 75   | 35780    | 0.906 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 133968   | 8.681 | ug/L  | 98       |
| 42) Toluene                   | 7.968  | 91   | 97930    | 0.889 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.209  | 75   | 27381    | 0.855 | ug/L  | 97       |

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 Sample : VSTD00132  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

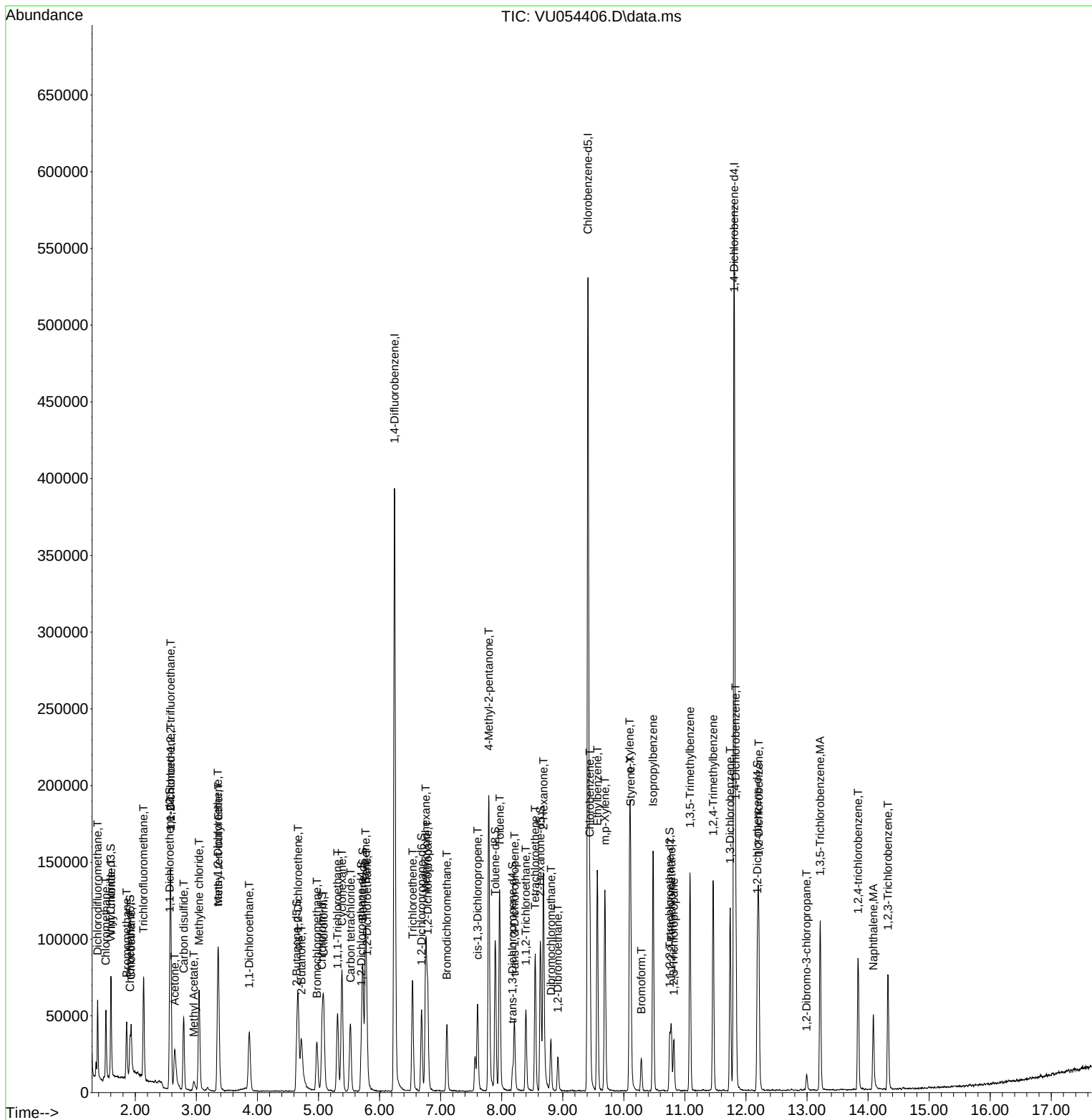
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD001032

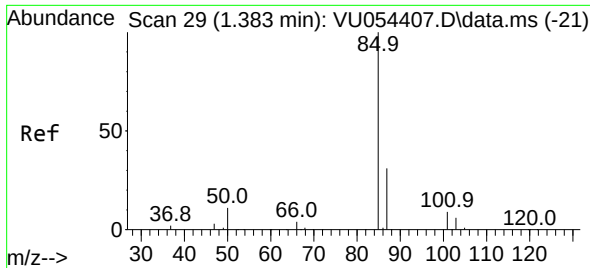
Quant Time: Jun 08 01:04:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jun 08 01:03:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 16733    | 0.910 | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.550  | 164  | 20068    | 0.927 | ug/L   | 95       |
| 48) 2-Hexanone                | 8.685  | 43   | 91197    | 7.931 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.807  | 129  | 16794    | 0.869 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 14929    | 0.884 | ug/L   | 93       |
| 51) Chlorobenzene             | 9.444  | 112  | 61658    | 0.898 | ug/L   | 97       |
| 52) Ethylbenzene              | 9.566  | 91   | 102234   | 0.850 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.692  | 106  | 37186    | 0.842 | ug/L   | 97       |
| 54) o-Xylene                  | 10.097 | 106  | 37327    | 0.873 | ug/L   | 98       |
| 55) Styrene                   | 10.113 | 104  | 57218    | 0.798 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 20995    | 0.898 | ug/L   | 95       |
| 59) Bromoform                 | 10.286 | 173  | 10317    | 0.943 | ug/L   | 92       |
| 60) Isopropylbenzene          | 10.479 | 105  | 101185   | 0.907 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.820 | 75   | 15101    | 0.980 | ug/L   | 94       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 77023    | 0.846 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 77714    | 0.841 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 47660    | 0.914 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 47971    | 0.917 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 44096    | 0.920 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75   | 3267     | 0.965 | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 34657    | 0.881 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 27994    | 0.861 | ug/L   | 98       |
| 71) Naphthalene               | 14.087 | 128  | 43015    | 0.813 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 23428    | 0.838 | ug/L   | 99       |

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

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QLast Update : Thu Jun 08 01:03:32 2023  
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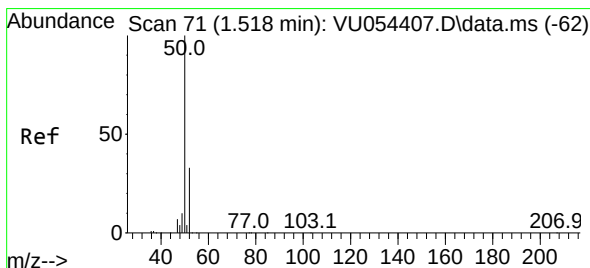
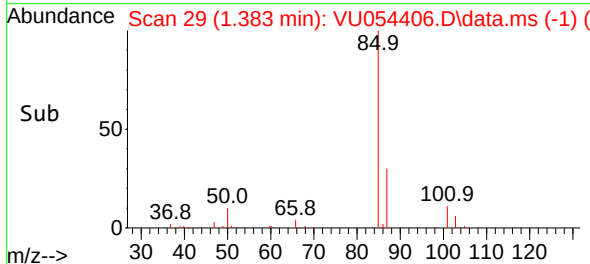
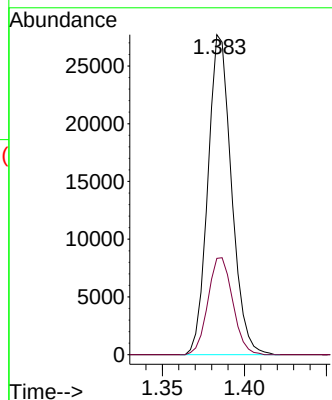
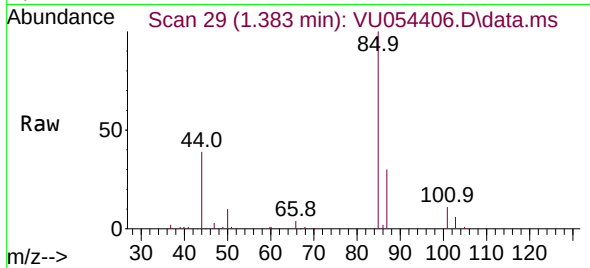




#2  
 Dichlorodifluoromethane  
 Concen: 0.922 ug/L  
 RT: 1.383 min Scan# 29  
 Delta R.T. -0.000 min  
 Lab File: VU054406.D  
 Acq: 07 Jun 2023 12:05

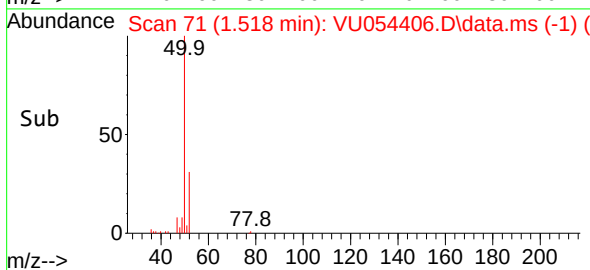
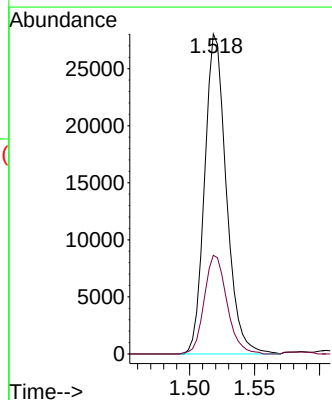
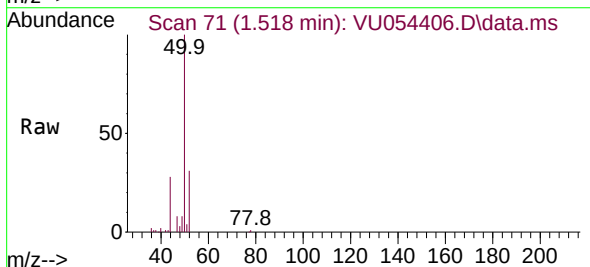
Instrument :  
 MSVOA\_U  
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 VSTD001032

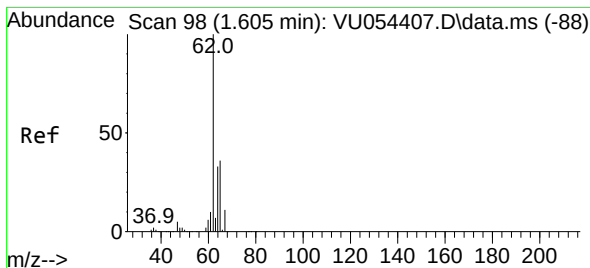
Tgt Ion: 85 Resp: 27685  
 Ion Ratio Lower Upper  
 85 100  
 87 31.8 25.4 38.2



#3  
 Chloromethane  
 Concen: 0.945 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VU054406.D  
 Acq: 07 Jun 2023 12:05

Tgt Ion: 50 Resp: 32594  
 Ion Ratio Lower Upper  
 50 100  
 52 30.8 23.4 43.4





#5

Vinyl chloride

Concen: 0.917 ug/L

RT: 1.605 min Scan# 98

Delta R.T. -0.000 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

Instrument :

MSVOA\_U

ClientSampleId :

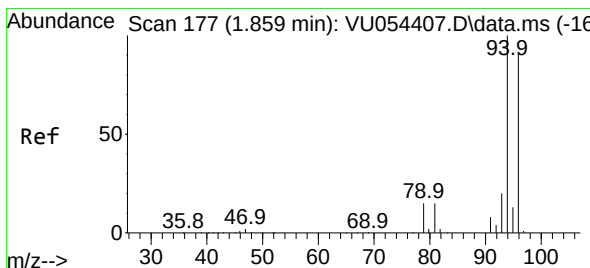
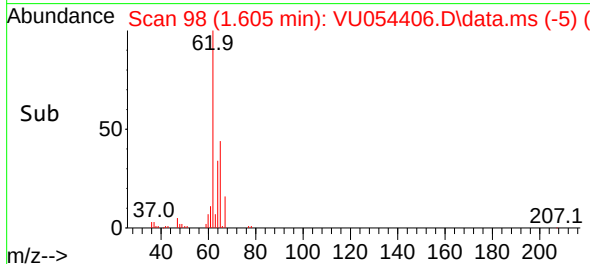
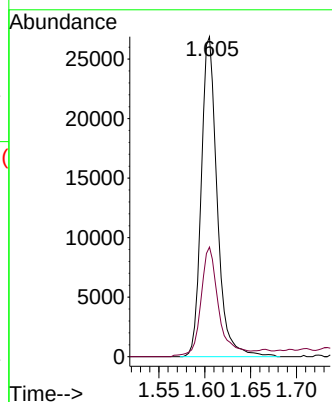
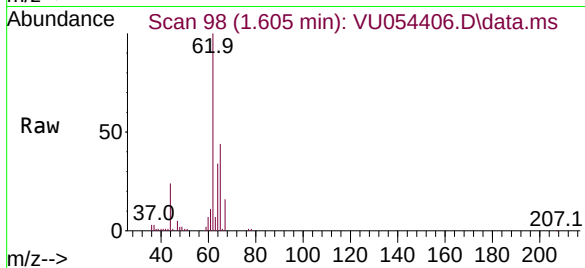
VSTD001032

Tgt Ion: 62 Resp: 32463

Ion Ratio Lower Upper

62 100

64 34.2 23.0 42.6



#6

Bromomethane

Concen: 0.902 ug/L

RT: 1.859 min Scan# 177

Delta R.T. -0.000 min

Lab File: VU054406.D

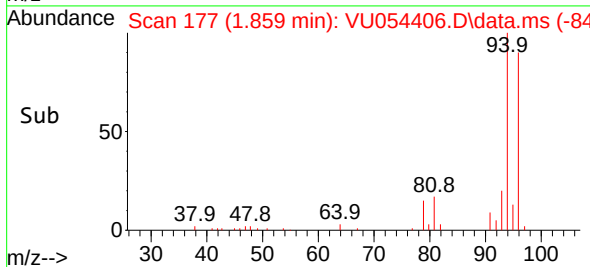
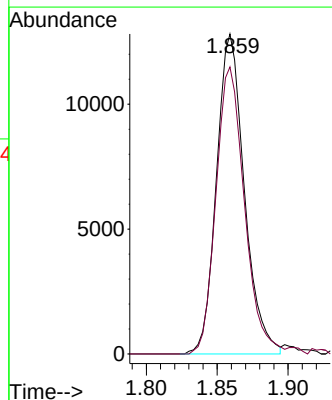
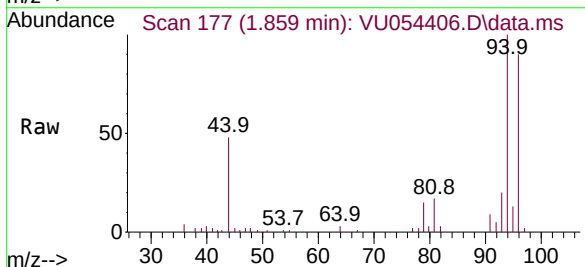
Acq: 07 Jun 2023 12:05

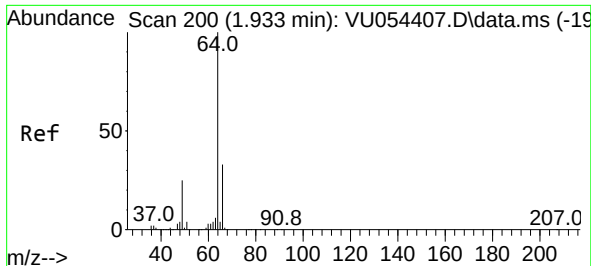
Tgt Ion: 94 Resp: 17566

Ion Ratio Lower Upper

94 100

96 89.7 63.6 118.2

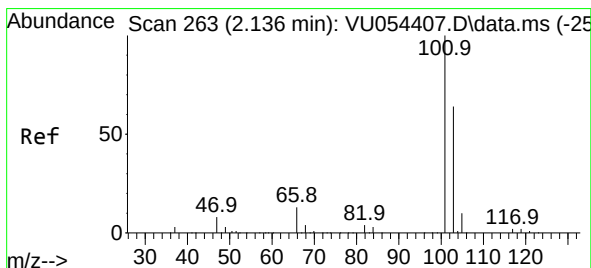
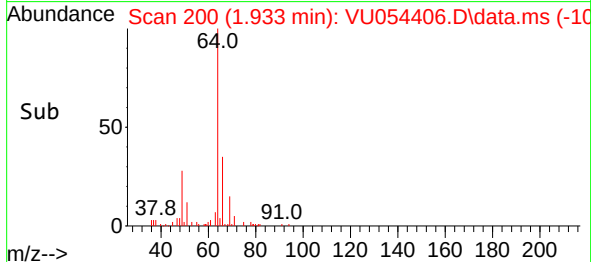
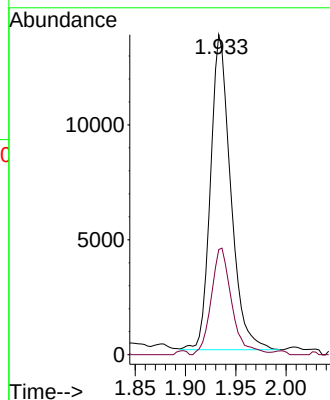
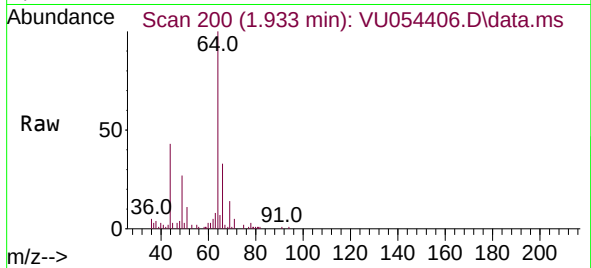




#8  
Chloroethane  
Concen: 0.903 ug/L  
RT: 1.933 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

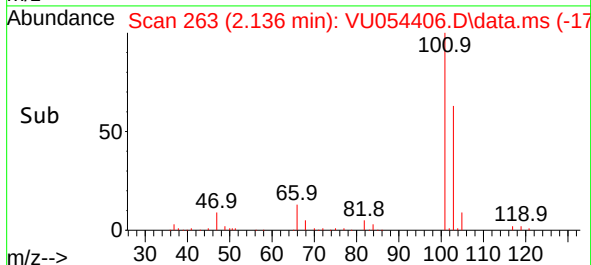
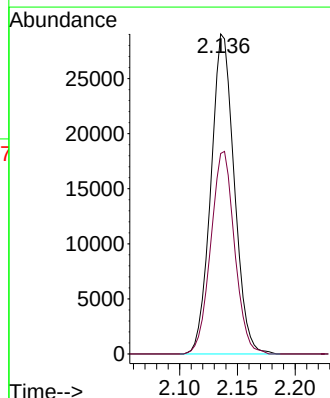
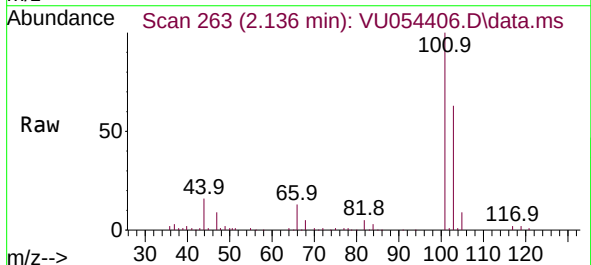
Instrument :  
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VSTD001032

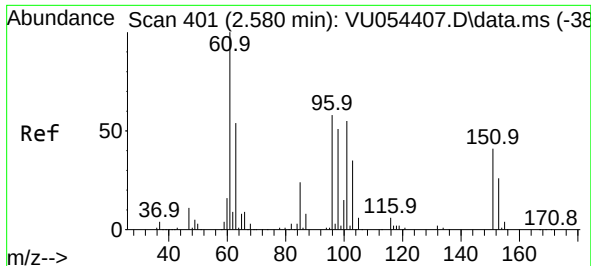
Tgt Ion: 64 Resp: 19161  
Ion Ratio Lower Upper  
64 100  
66 32.8 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 0.938 ug/L  
RT: 2.136 min Scan# 263  
Delta R.T. -0.000 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Tgt Ion:101 Resp: 40841  
Ion Ratio Lower Upper  
101 100  
103 64.4 50.6 75.8

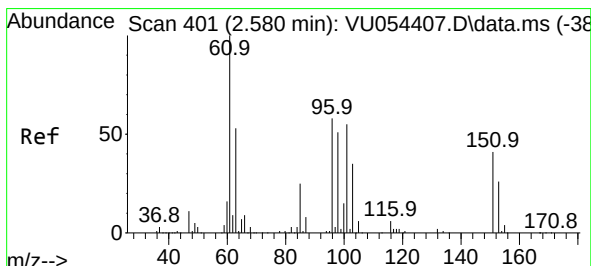
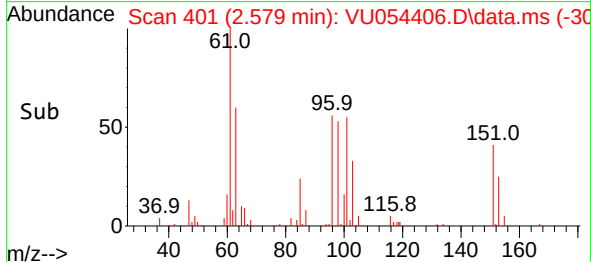
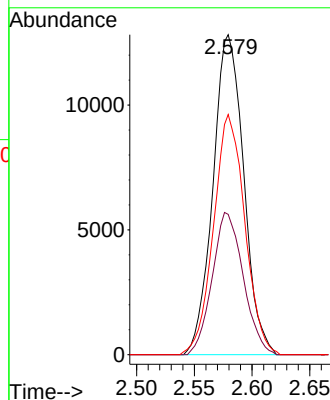
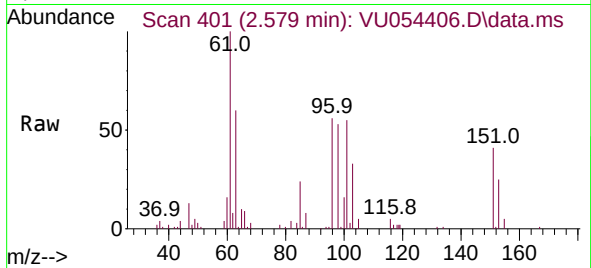




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.932 ug/L  
 RT: 2.579 min Scan# 401  
 Delta R.T. -0.000 min  
 Lab File: VU054406.D  
 Acq: 07 Jun 2023 12:05

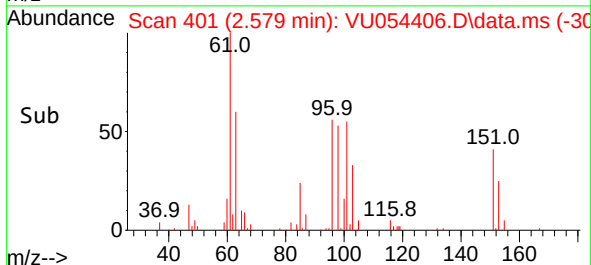
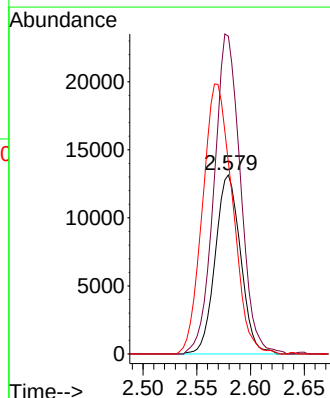
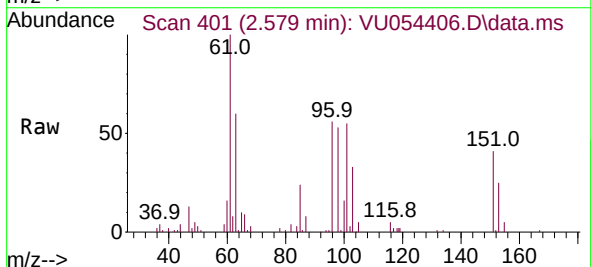
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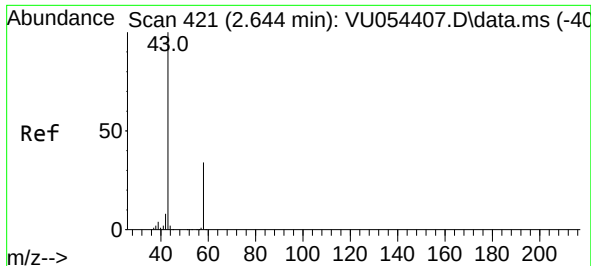
Tgt Ion:101 Resp: 23741  
 Ion Ratio Lower Upper  
 101 100  
 85 44.8 34.6 51.8  
 151 76.4 57.7 86.5



#12  
 1,1-Dichloroethene  
 Concen: 0.925 ug/L  
 RT: 2.579 min Scan# 401  
 Delta R.T. -0.000 min  
 Lab File: VU054406.D  
 Acq: 07 Jun 2023 12:05

Tgt Ion: 96 Resp: 21562  
 Ion Ratio Lower Upper  
 96 100  
 61 177.5 119.9 222.7  
 63 107.1 64.3 119.3





#13

Acetone

Concen: 8.450 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

Instrument :

MSVOA\_U

ClientSampleId :

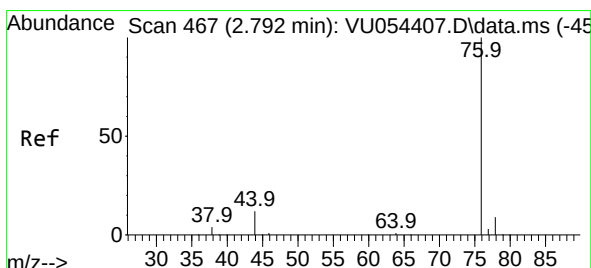
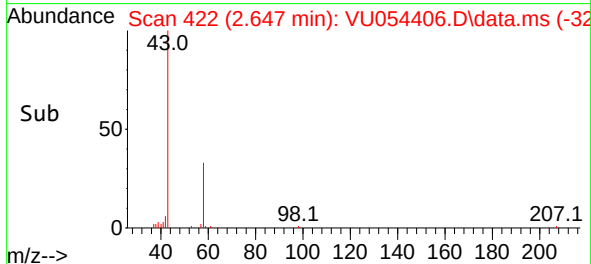
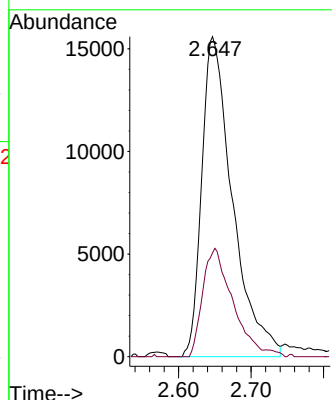
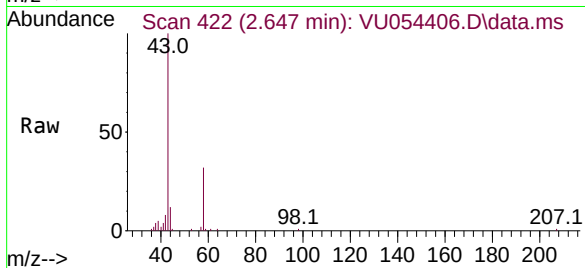
VSTD001032

Tgt Ion: 43 Resp: 45830

Ion Ratio Lower Upper

43 100

58 32.6 0.0 67.2



#14

Carbon disulfide

Concen: 0.899 ug/L

RT: 2.795 min Scan# 468

Delta R.T. 0.003 min

Lab File: VU054406.D

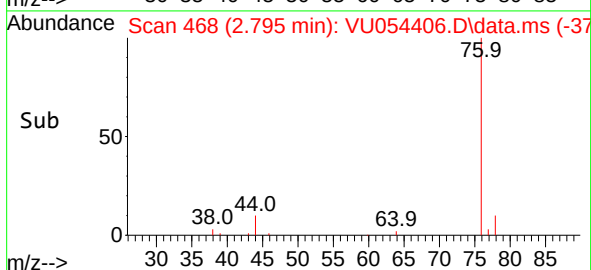
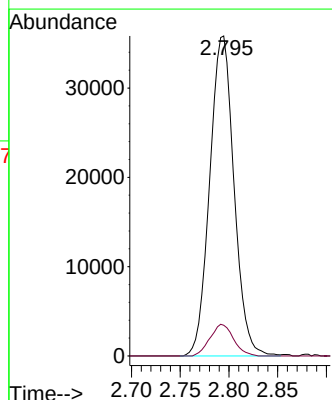
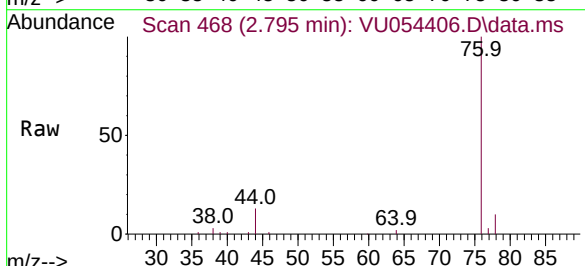
Acq: 07 Jun 2023 12:05

Tgt Ion: 76 Resp: 62142

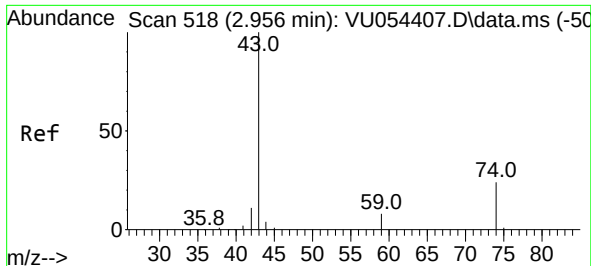
Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0



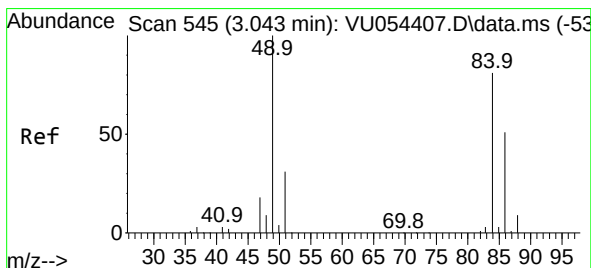
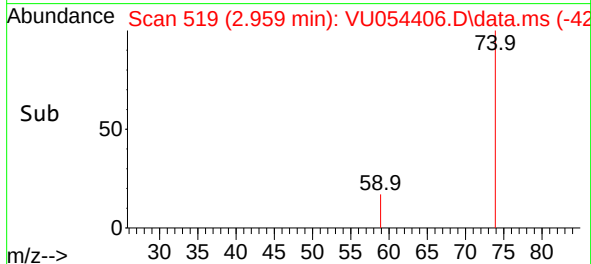
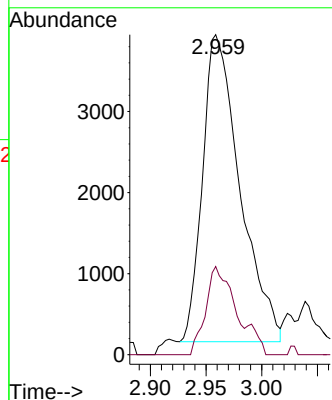
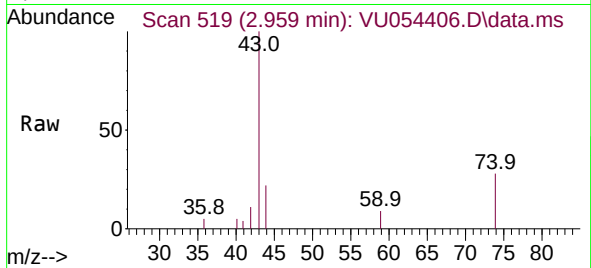




#15  
Methyl Acetate  
Concen: 0.880 ug/L  
RT: 2.959 min Scan# 518  
Delta R.T. 0.003 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

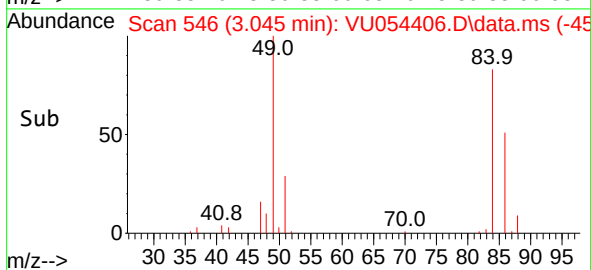
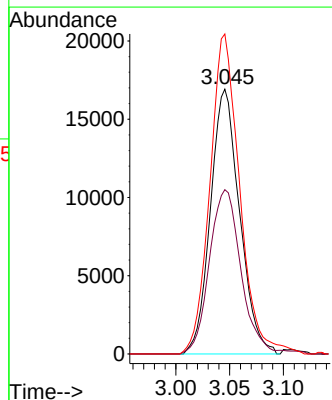
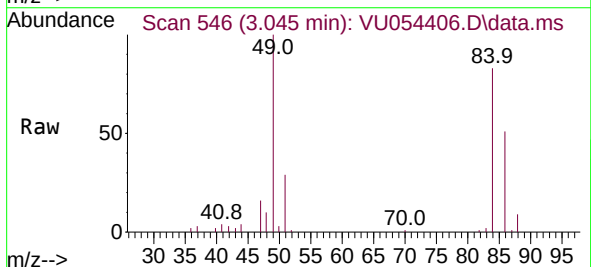
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD001032

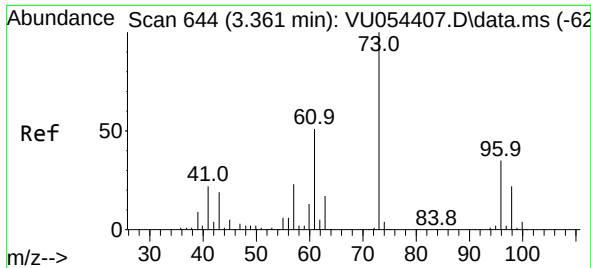
Tgt Ion: 43 Resp: 8849  
Ion Ratio Lower Upper  
43 100  
74 20.8 19.0 28.6



#16  
Methylene chloride  
Concen: 0.974 ug/L  
RT: 3.045 min Scan# 546  
Delta R.T. 0.003 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Tgt Ion: 84 Resp: 31926  
Ion Ratio Lower Upper  
84 100  
86 62.1 43.9 81.5  
49 120.9 86.1 159.9

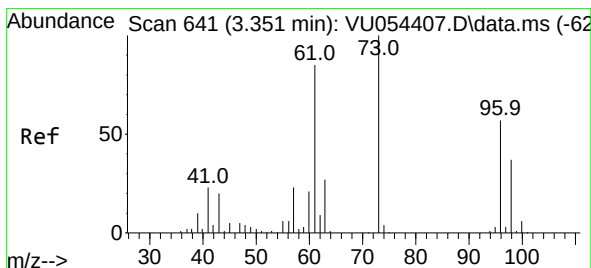
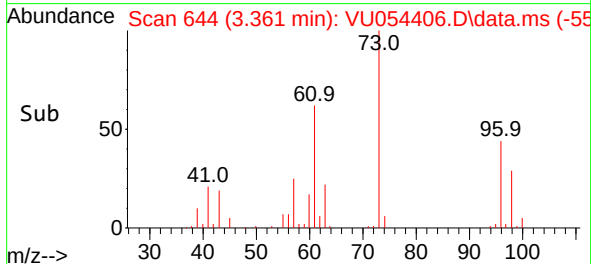
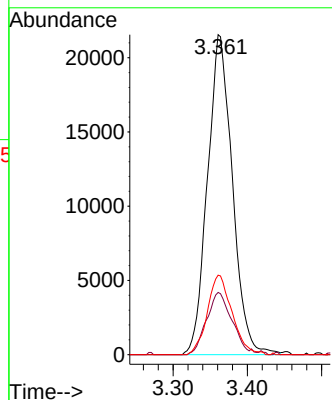
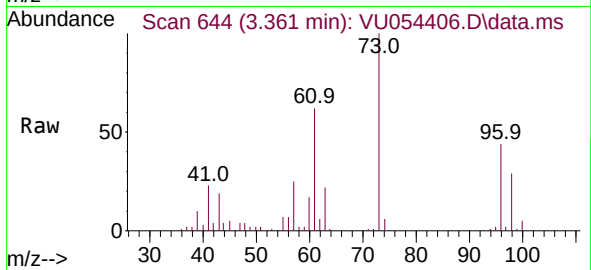




#17  
Methyl tert-butyl Ether  
Concen: 0.873 ug/L  
RT: 3.361 min Scan# 641  
Delta R.T. -0.000 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

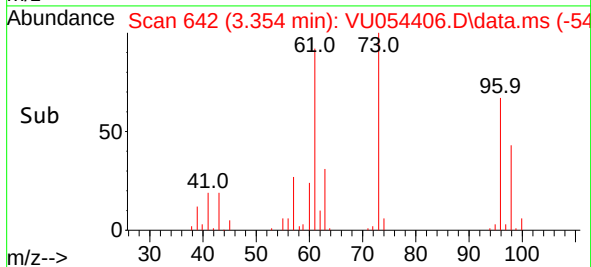
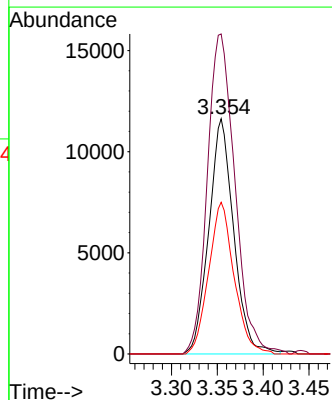
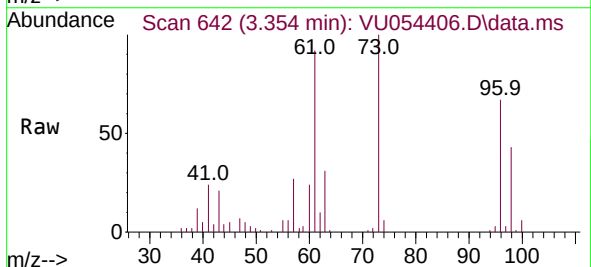
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD001032

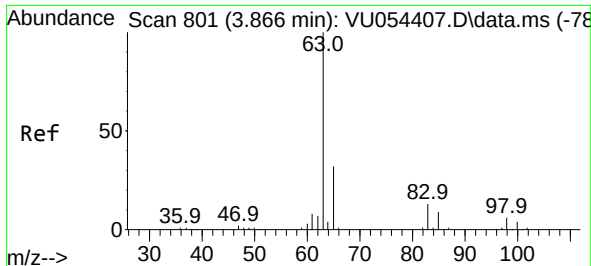
Tgt Ion: 73 Resp: 50248  
Ion Ratio Lower Upper  
73 100  
43 20.0 15.7 23.5  
57 24.7 18.6 28.0



#18  
trans-1,2-Dichloroethene  
Concen: 0.913 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. 0.003 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Tgt Ion: 96 Resp: 21975  
Ion Ratio Lower Upper  
96 100  
61 136.1 104.6 194.2  
98 64.5 45.4 84.4





#19

1,1-Dichloroethane

Concen: 0.916 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTD001032

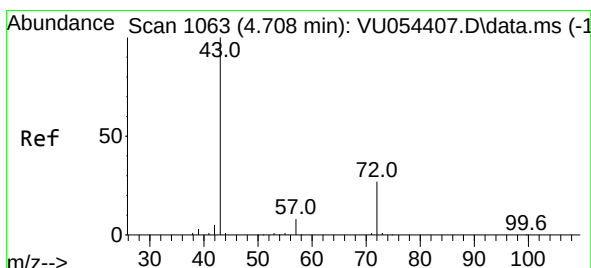
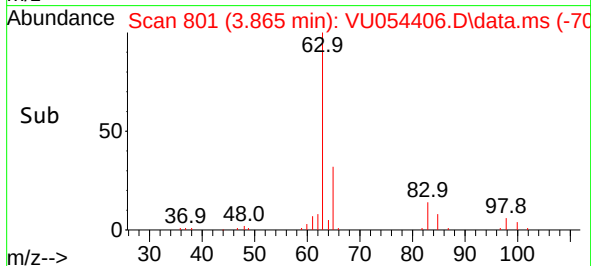
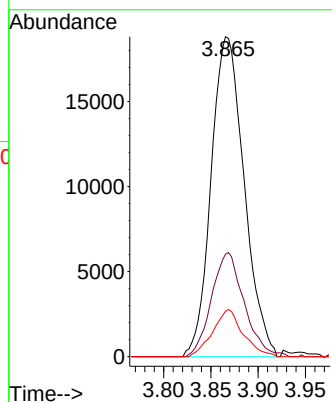
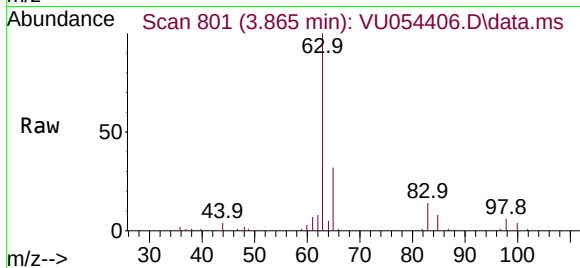
Tgt Ion: 63 Resp: 45613

Ion Ratio Lower Upper

63 100

65 32.1 22.2 41.2

83 14.2 9.0 16.6



#21

2-Butanone

Concen: 7.640 ug/L

RT: 4.721 min Scan# 1067

Delta R.T. 0.013 min

Lab File: VU054406.D

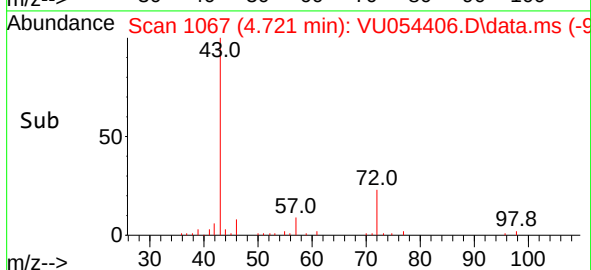
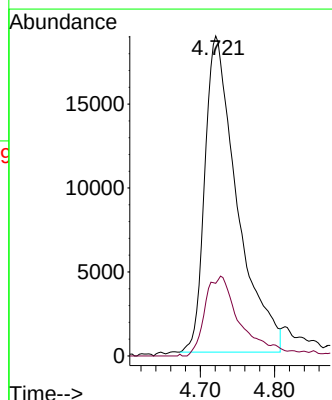
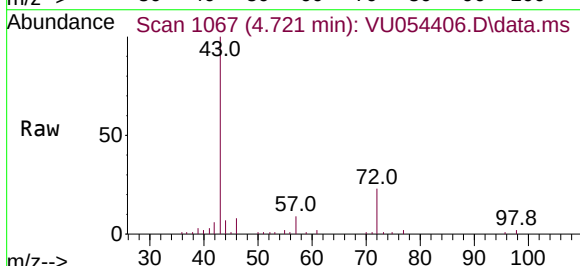
Acq: 07 Jun 2023 12:05

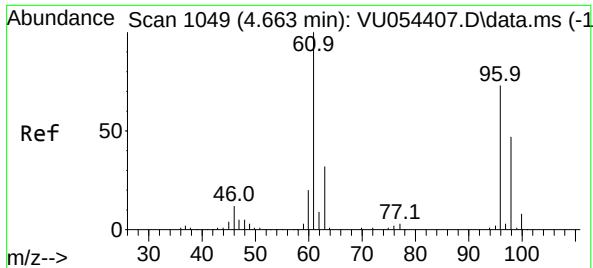
Tgt Ion: 43 Resp: 56867

Ion Ratio Lower Upper

43 100

72 26.2 13.4 40.1

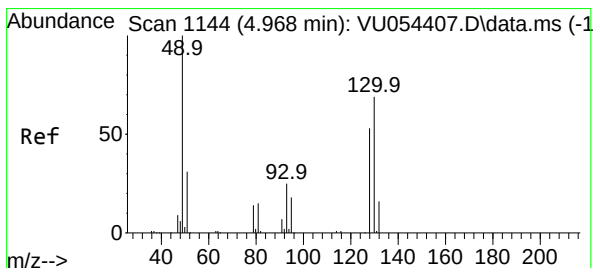
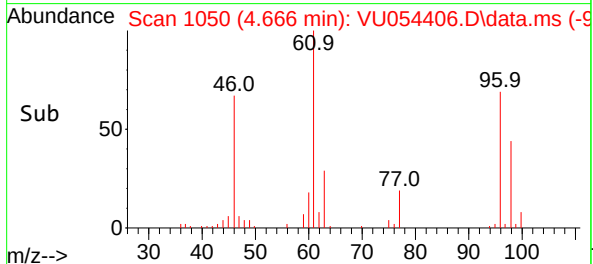
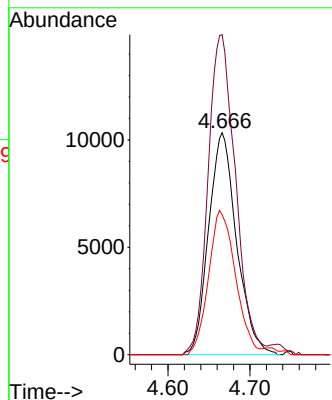
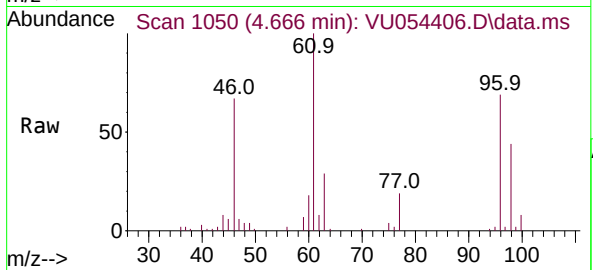




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.894 ug/L  
 RT: 4.666 min Scan# 1050  
 Delta R.T. 0.003 min  
 Lab File: VU054406.D  
 Acq: 07 Jun 2023 12:05

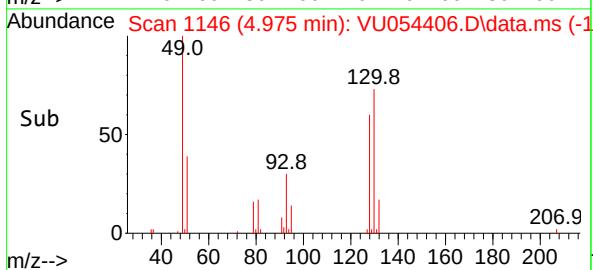
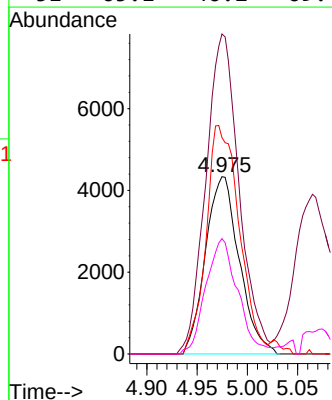
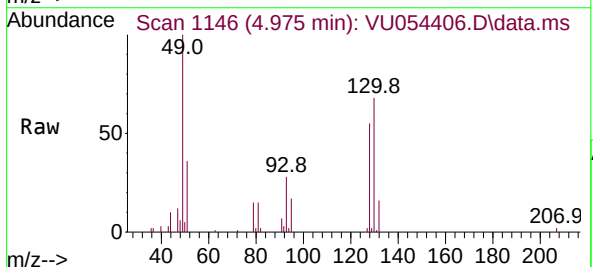
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD001032

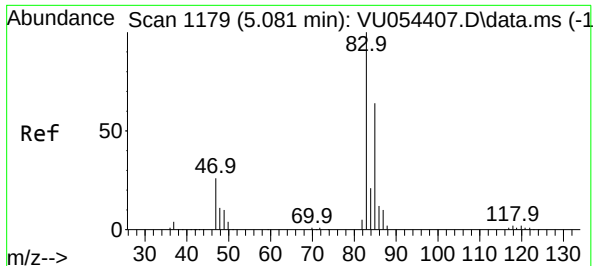
Tgt Ion: 96 Resp: 24519  
 Ion Ratio Lower Upper  
 96 100  
 61 144.2 96.5 179.1  
 98 63.1 44.9 83.3



#23  
 Bromochloromethane  
 Concen: 0.887 ug/L  
 RT: 4.975 min Scan# 1146  
 Delta R.T. 0.006 min  
 Lab File: VU054406.D  
 Acq: 07 Jun 2023 12:05

Tgt Ion:128 Resp: 10124  
 Ion Ratio Lower Upper  
 128 100  
 49 180.4 132.1 245.3  
 130 122.0 91.5 169.9  
 51 65.1 46.2 69.4





#25

Chloroform

Concen: 0.894 ug/L

RT: 5.087 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

Instrument :

MSVOA\_U

ClientSampleId :

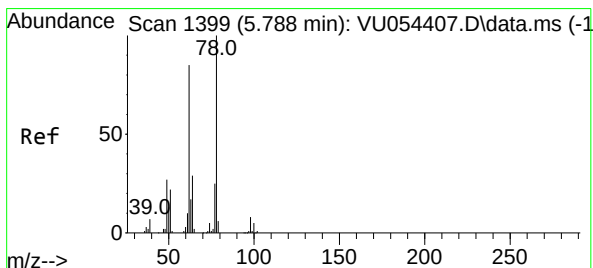
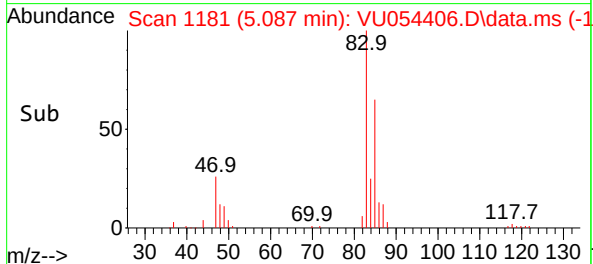
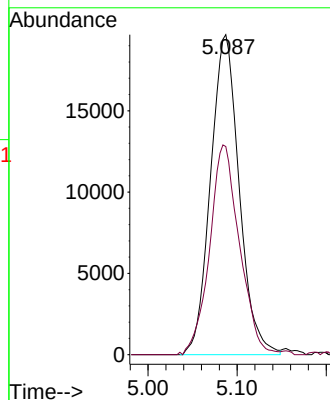
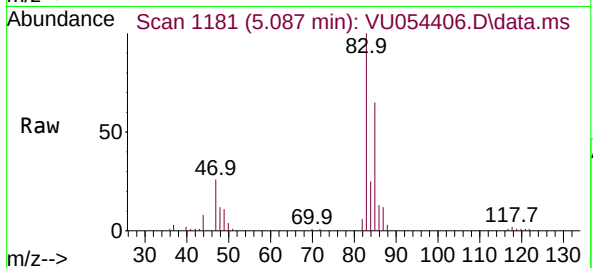
VSTD001032

Tgt Ion: 83 Resp: 43929

Ion Ratio Lower Upper

83 100

85 65.1 44.7 82.9



#27

1,2-Dichloroethane

Concen: 0.892 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.006 min

Lab File: VU054406.D

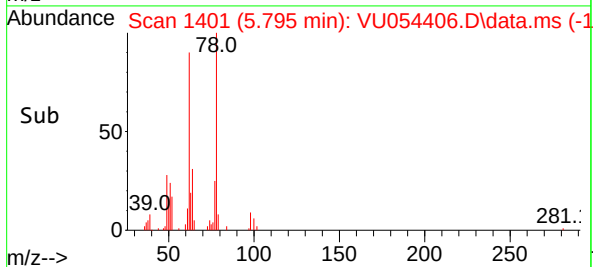
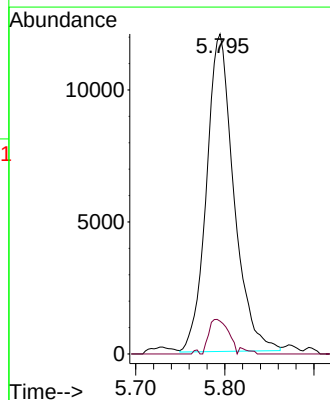
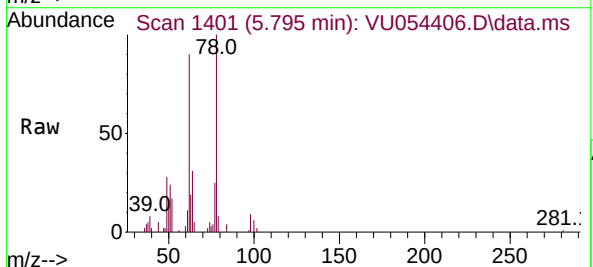
Acq: 07 Jun 2023 12:05

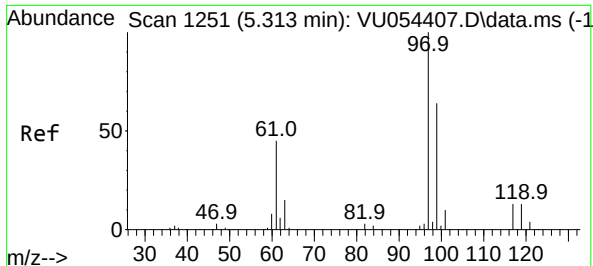
Tgt Ion: 62 Resp: 25679

Ion Ratio Lower Upper

62 100

98 10.2 7.8 11.6

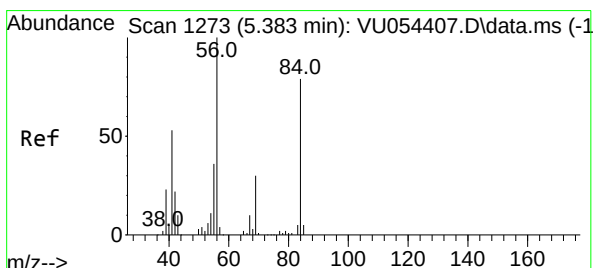
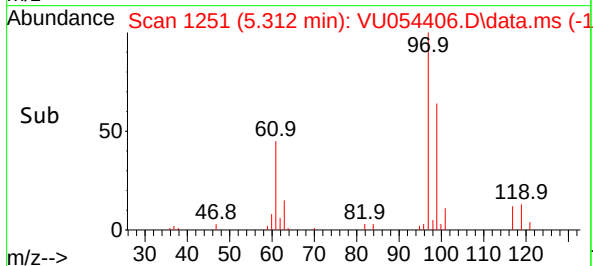
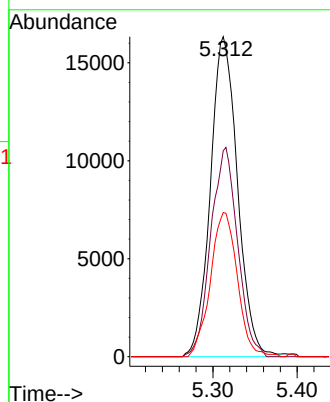
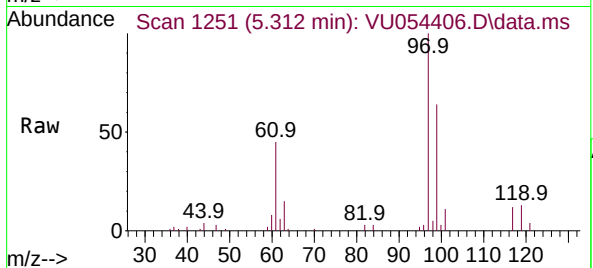




#29  
1,1,1-Trichloroethane  
Concen: 0.906 ug/L  
RT: 5.312 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

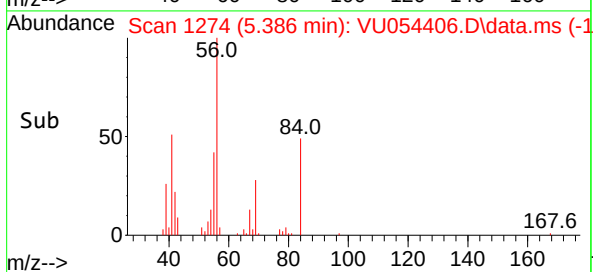
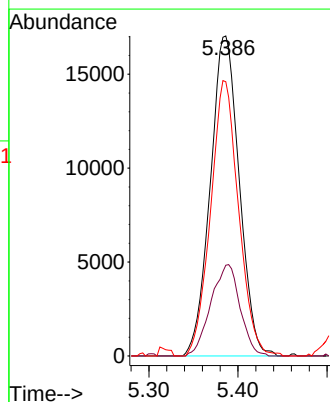
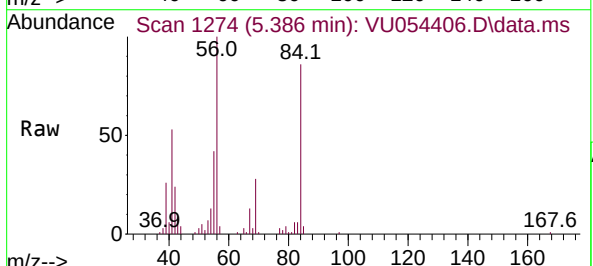
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD001032

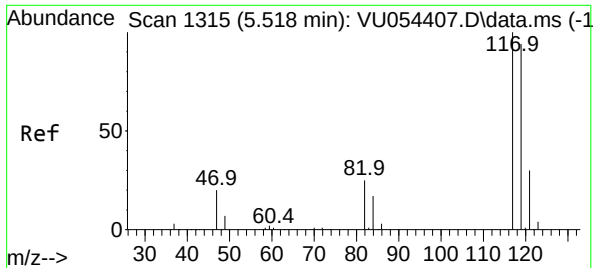
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 36560 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.6  | 50.8  | 76.2  |
| 61       | 44.7  | 36.1  | 54.1  |



#30  
Cyclohexane  
Concen: 0.874 ug/L  
RT: 5.386 min Scan# 1274  
Delta R.T. 0.003 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 38425 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 28.8  | 23.9  | 35.9  |
| 84       | 83.2  | 63.0  | 94.6  |

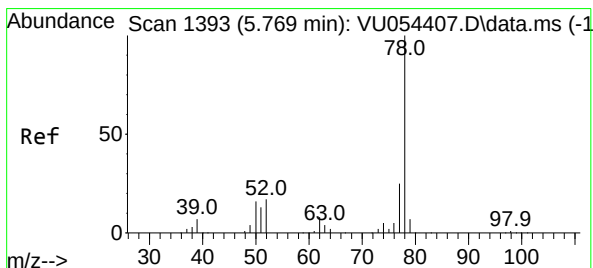
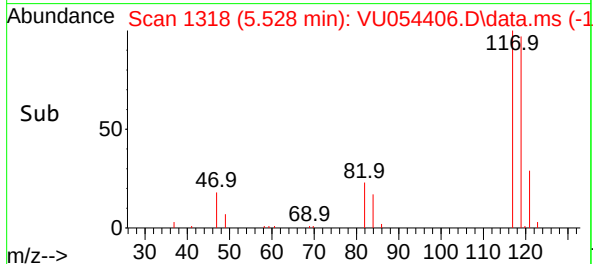
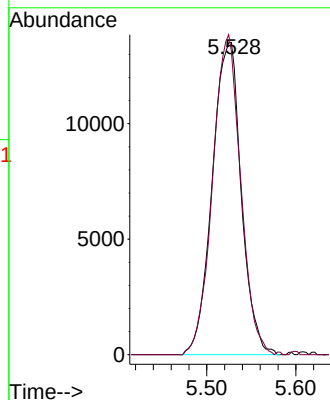
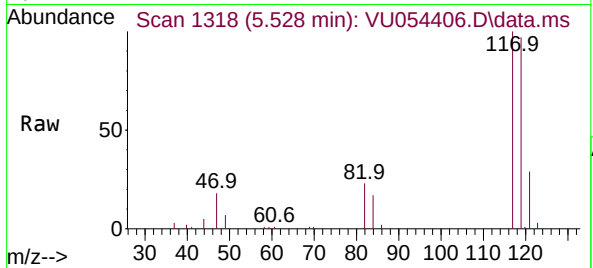




#31  
Carbon tetrachloride  
Concen: 0.879 ug/L  
RT: 5.528 min Scan# 1117  
Delta R.T. 0.009 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

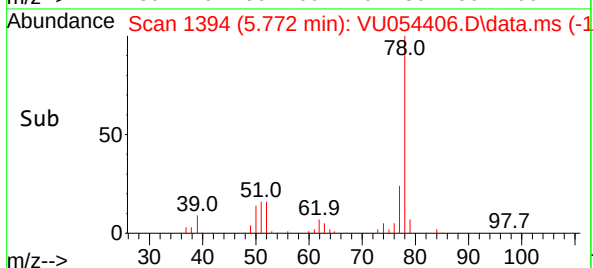
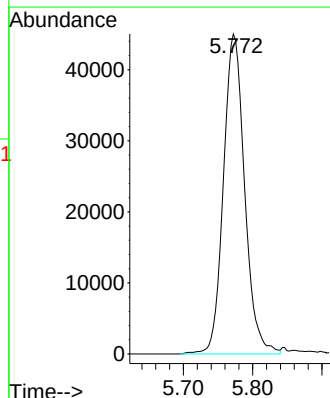
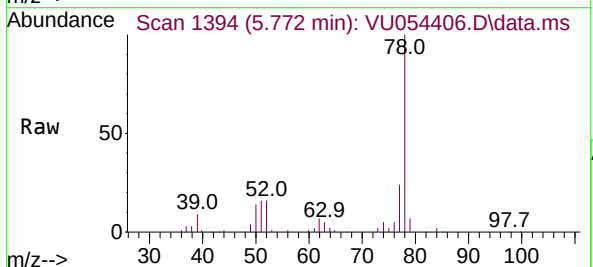
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD001032

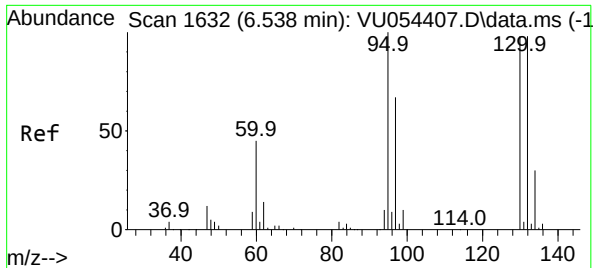
Tgt Ion:117 Resp: 30549  
Ion Ratio Lower Upper  
117 100  
119 99.3 76.8 115.2



#33  
Benzene  
Concen: 0.896 ug/L  
RT: 5.772 min Scan# 1394  
Delta R.T. 0.003 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Tgt Ion: 78 Resp: 95862



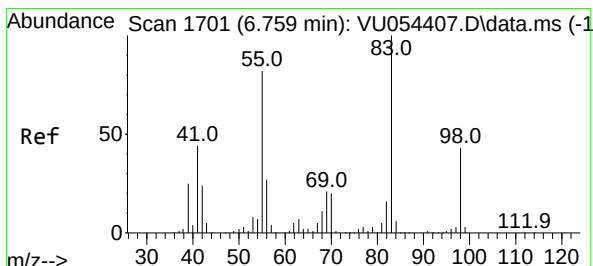
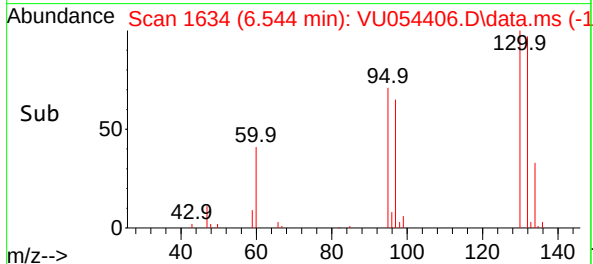
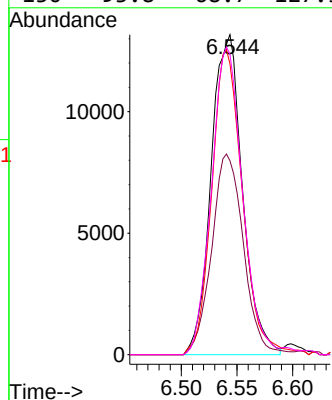
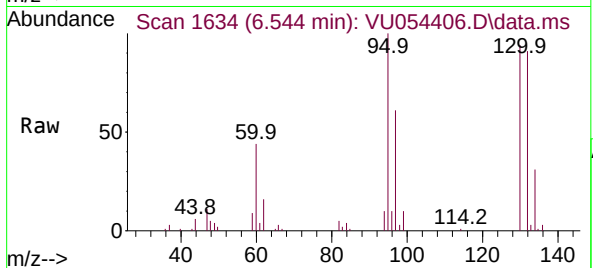


#34  
Trichloroethene  
Concen: 0.912 ug/L  
RT: 6.544 min Scan# 1634  
Delta R.T. 0.006 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD001032

Tgt Ion: 95 Resp: 25795

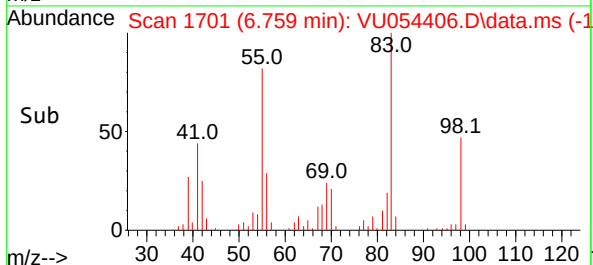
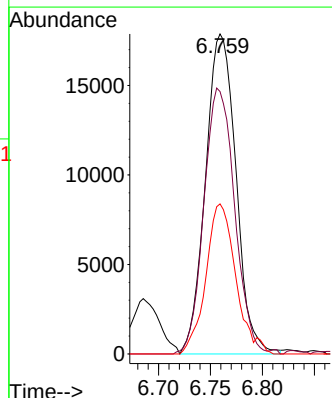
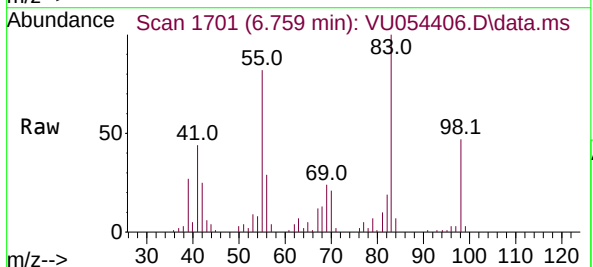
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 60.6  | 46.8  | 87.0  |
| 132 | 90.9  | 68.4  | 127.0 |
| 130 | 93.8  | 68.7  | 127.5 |



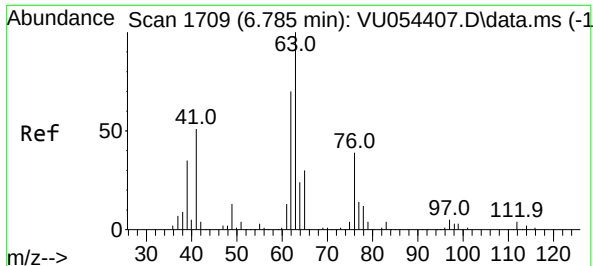
#35  
Methylcyclohexane  
Concen: 0.854 ug/L  
RT: 6.759 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Tgt Ion: 83 Resp: 36511

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 83.7  | 67.1  | 100.7 |
| 98  | 45.9  | 35.1  | 52.7  |







#37

1,2-Dichloropropane

Concen: 0.926 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

Instrument :

MSVOA\_U

ClientSampleId :

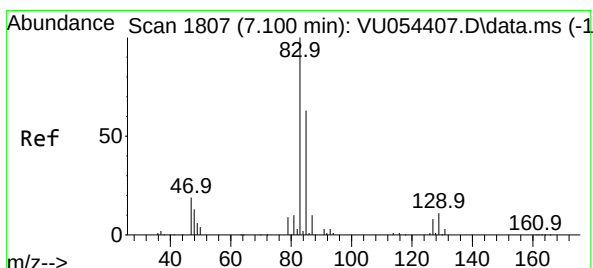
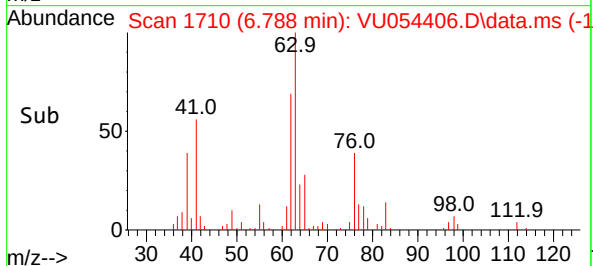
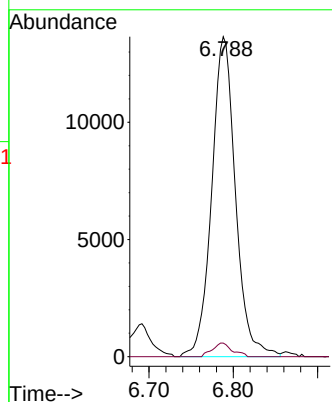
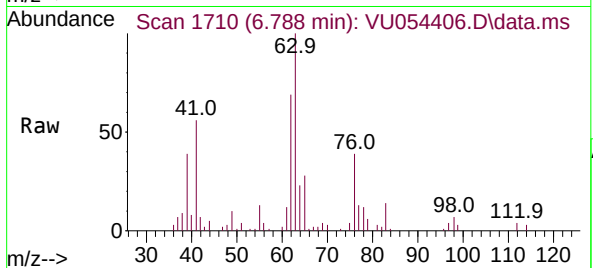
VSTD001032

Tgt Ion: 63 Resp: 26780

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.6



#38

Bromodichloromethane

Concen: 0.925 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

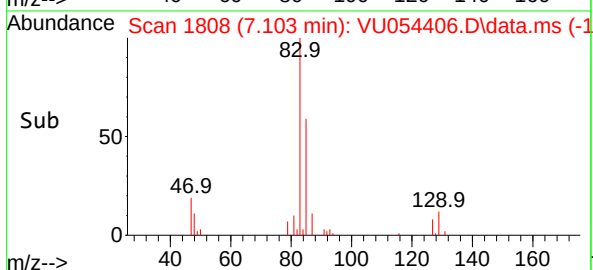
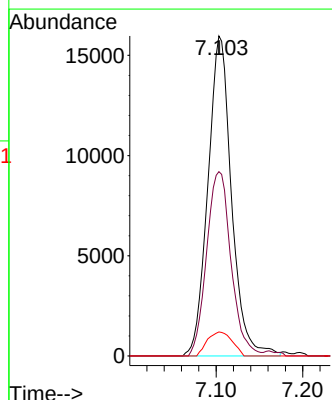
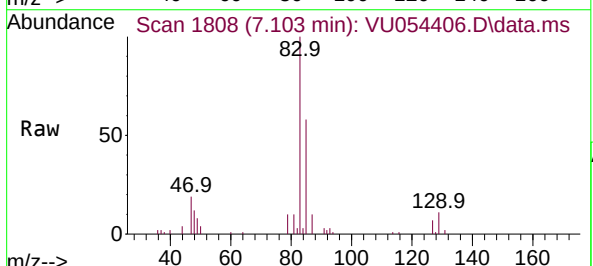
Tgt Ion: 83 Resp: 30287

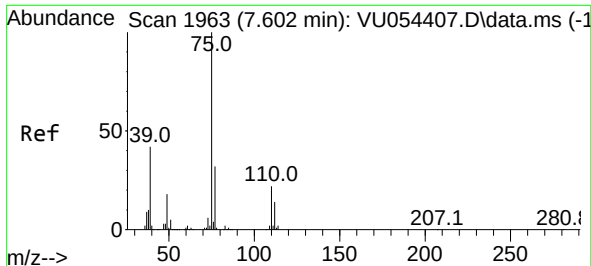
Ion Ratio Lower Upper

83 100

85 57.6 44.1 81.9

127 7.5 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 0.906 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

Instrument :

MSVOA\_U

ClientSampleId :

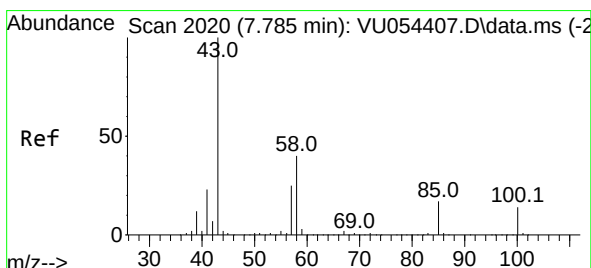
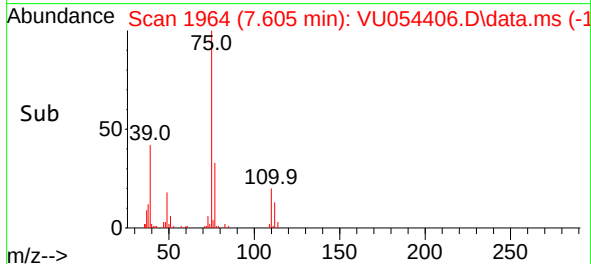
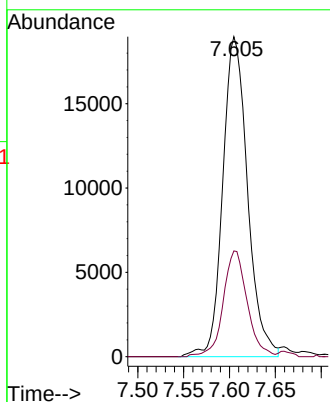
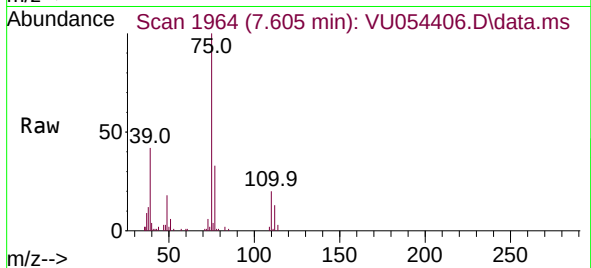
VSTD001032

Tgt Ion: 75 Resp: 35780

Ion Ratio Lower Upper

75 100

77 33.1 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 8.681 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

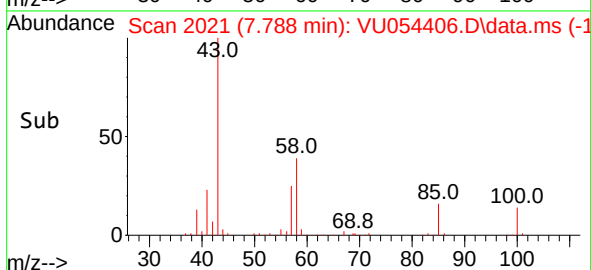
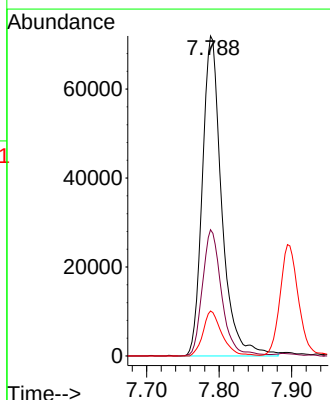
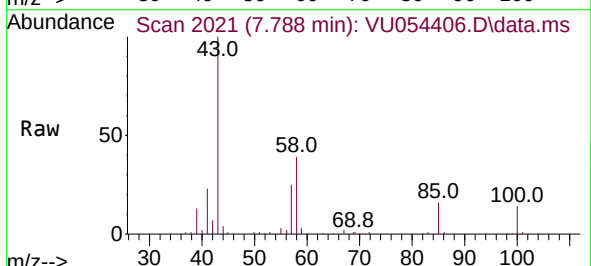
Tgt Ion: 43 Resp: 133968

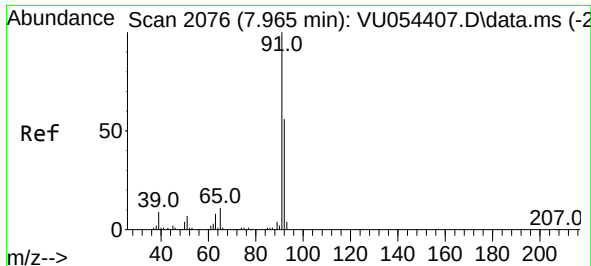
Ion Ratio Lower Upper

43 100

58 39.2 32.4 48.6

100 13.7 11.4 17.2





#42

Toluene

Concen: 0.889 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

Instrument :

MSVOA\_U

ClientSampleId :

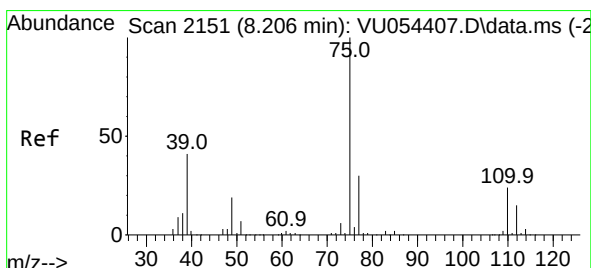
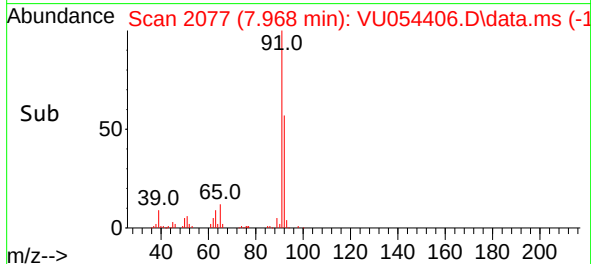
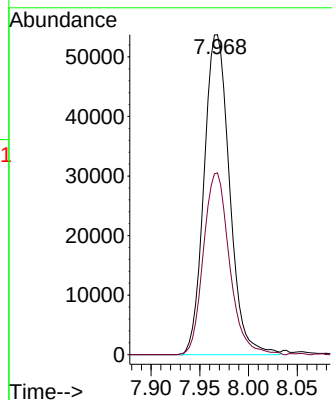
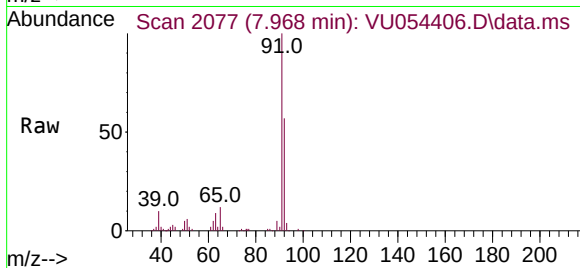
VSTD001032

Tgt Ion: 91 Resp: 97930

Ion Ratio Lower Upper

91 100

92 56.8 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 0.855 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU054406.D

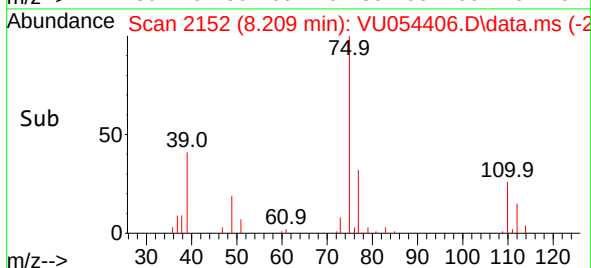
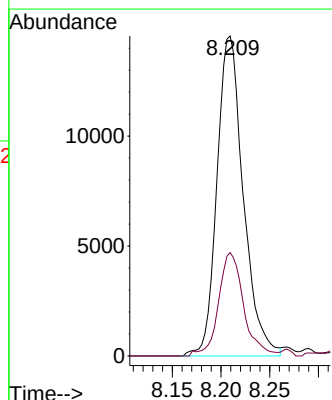
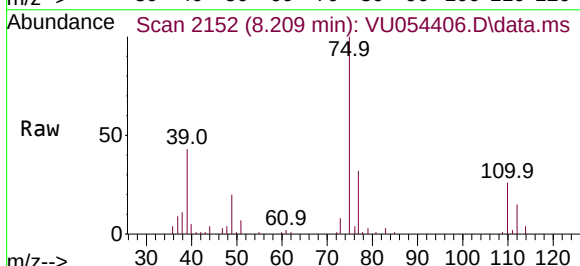
Acq: 07 Jun 2023 12:05

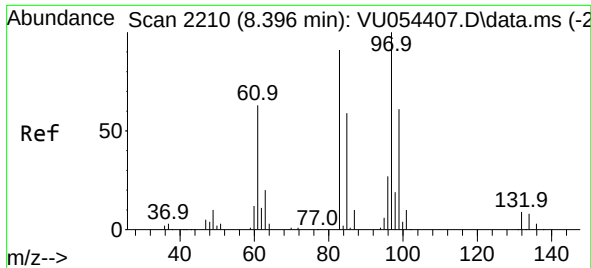
Tgt Ion: 75 Resp: 27381

Ion Ratio Lower Upper

75 100

77 32.3 21.3 39.6



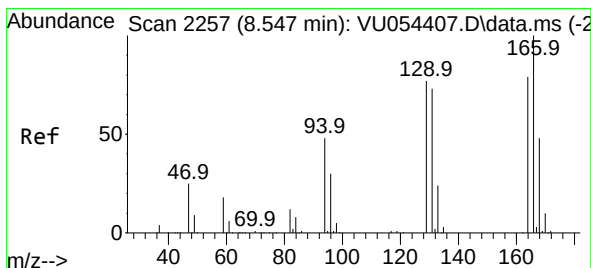
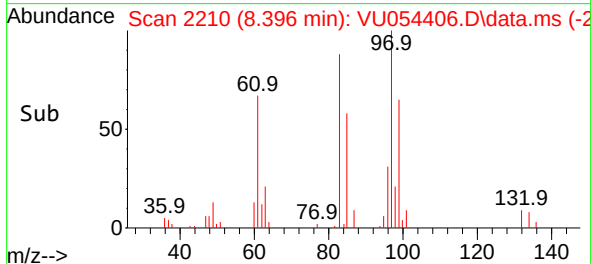
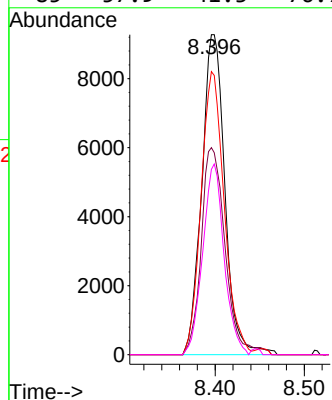
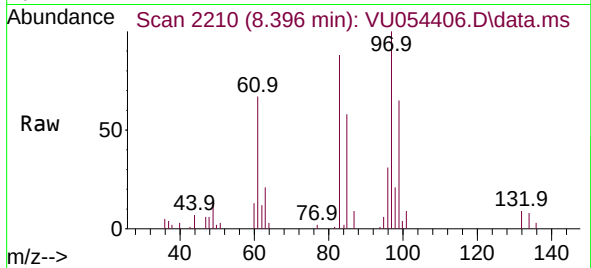


#45  
1,1,2-Trichloroethane  
Concen: 0.910 ug/L  
RT: 8.396 min Scan# 2110  
Delta R.T. -0.000 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD001032

Tgt Ion: 97 Resp: 16733

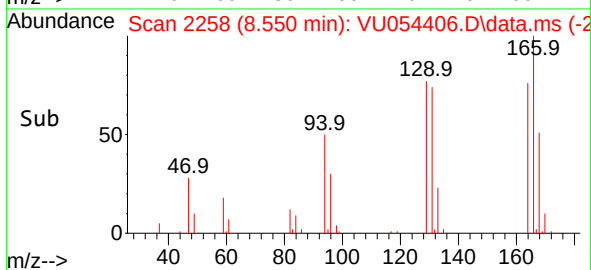
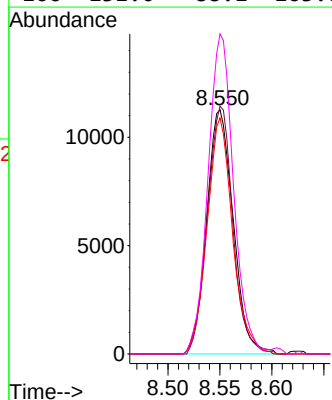
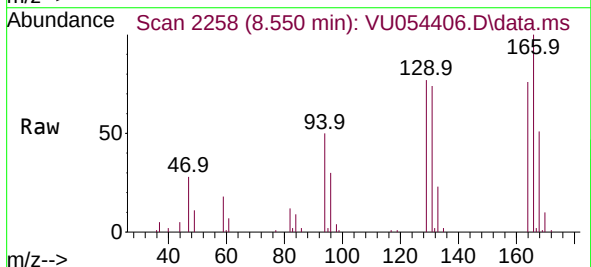
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.7  | 43.0  | 80.0  |
| 83  | 88.4  | 63.8  | 118.6 |
| 85  | 57.9  | 41.3  | 76.7  |

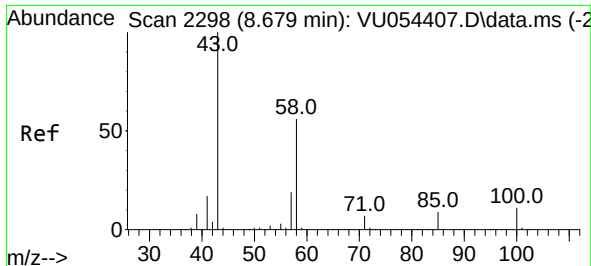


#47  
Tetrachloroethene  
Concen: 0.927 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. 0.003 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Tgt Ion: 164 Resp: 20068

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 101.5 | 67.7  | 125.7 |
| 131 | 96.6  | 64.6  | 120.0 |
| 166 | 131.0 | 88.1  | 163.7 |

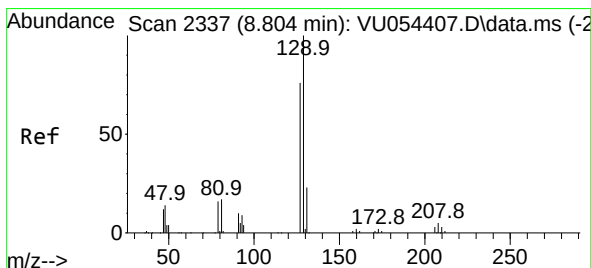
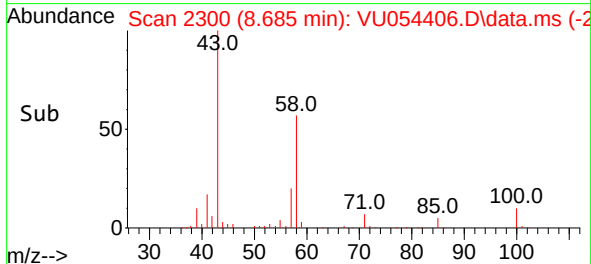
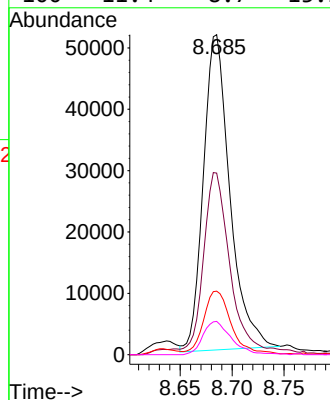
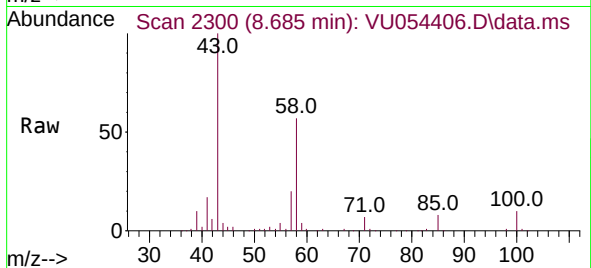




#48  
2-Hexanone  
Concen: 7.931 ug/L  
RT: 8.685 min Scan# 2117  
Delta R.T. 0.006 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

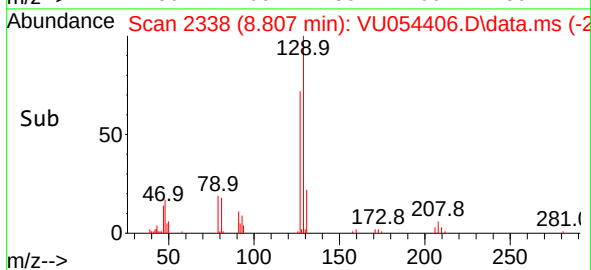
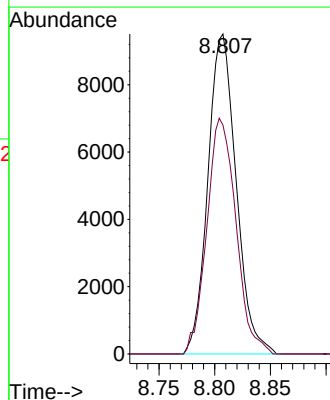
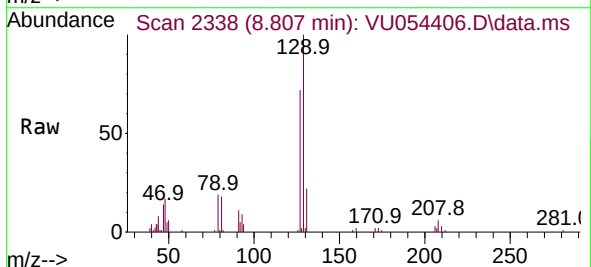
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD001032

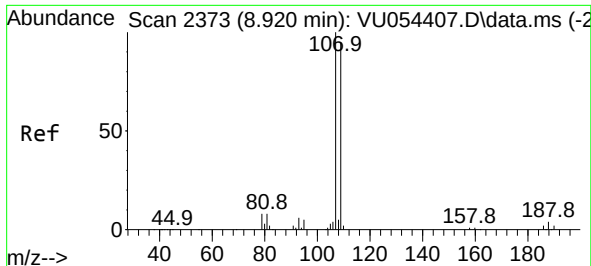
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 91197 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 60.9     | 45.2 67.8   |
| 57 20.5     | 15.8 23.6   |
| 100 11.4    | 8.7 13.1    |



#49  
Dibromochloromethane  
Concen: 0.869 ug/L  
RT: 8.807 min Scan# 2338  
Delta R.T. 0.003 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion:129 | Resp: 16794 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 129 100     |             |       |  |
| 127 71.6    | 53.2        | 98.8  |  |





#50

1,2-Dibromoethane

Concen: 0.884 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTD001032

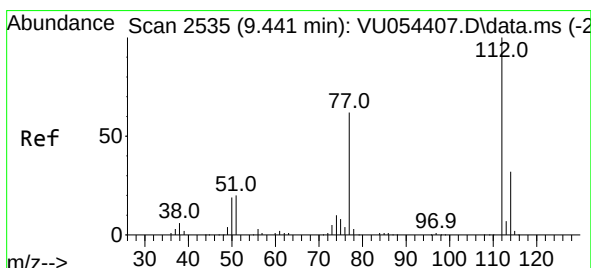
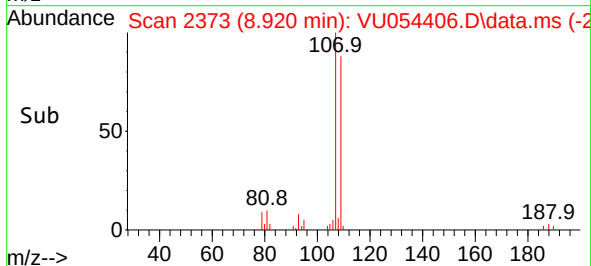
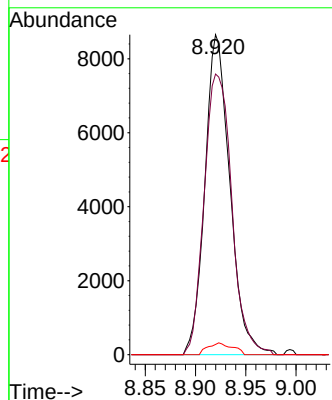
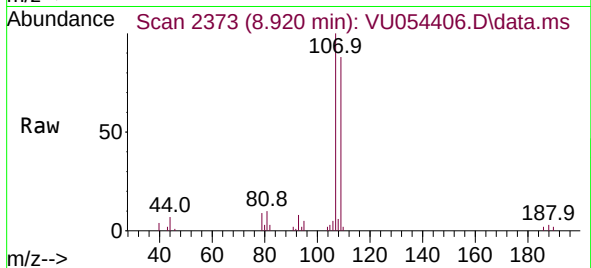
Tgt Ion:107 Resp: 14929

Ion Ratio Lower Upper

107 100

109 87.7 66.6 123.6

188 3.2 3.1 4.7



#51

Chlorobenzene

Concen: 0.898 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

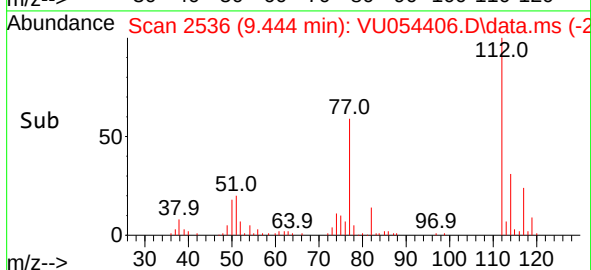
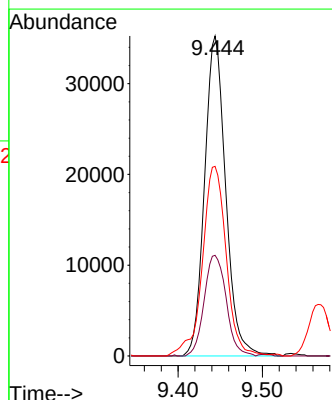
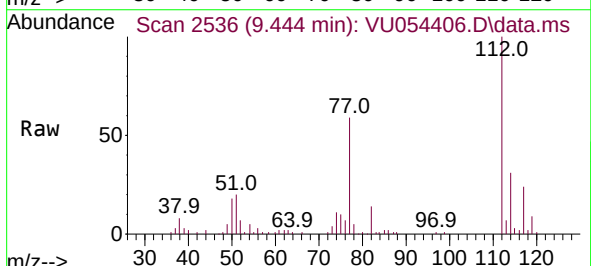
Tgt Ion:112 Resp: 61658

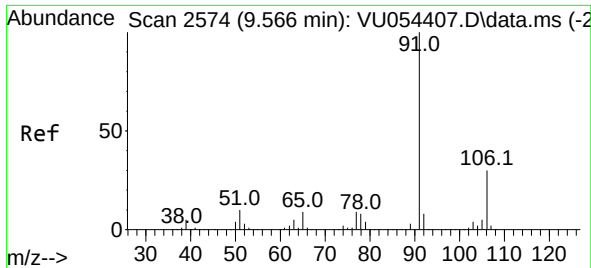
Ion Ratio Lower Upper

112 100

114 31.4 22.7 42.1

77 59.2 49.8 74.8

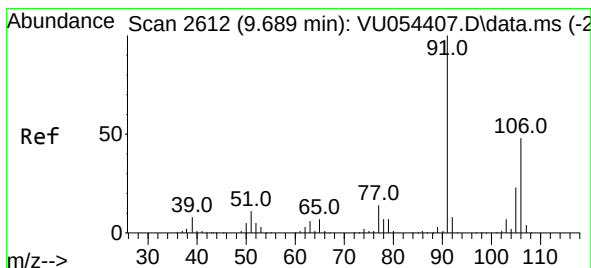
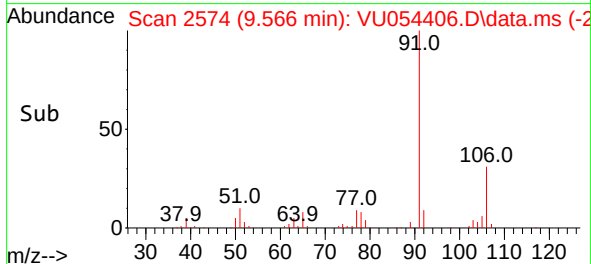
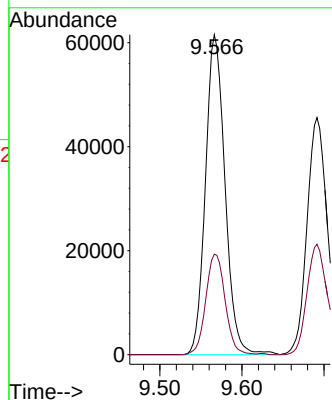
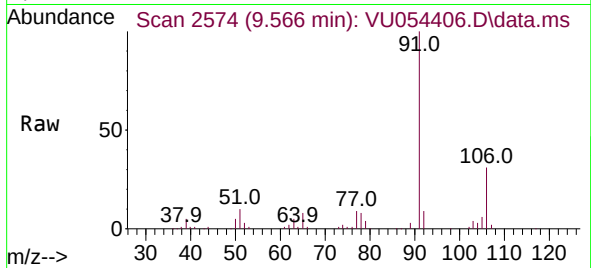




#52  
Ethylbenzene  
Concen: 0.850 ug/L  
RT: 9.566 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

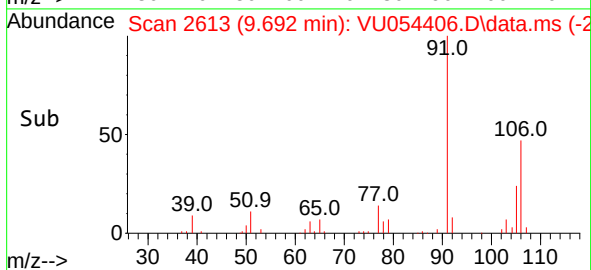
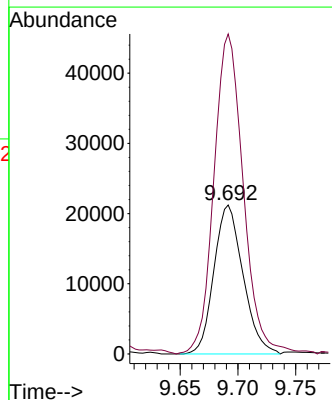
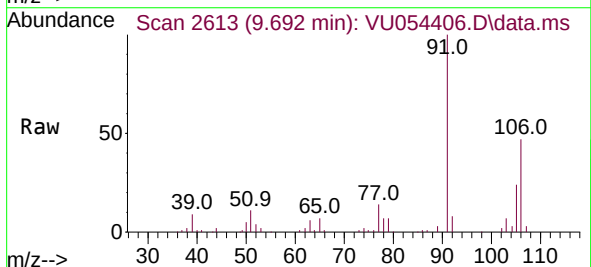
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD001032

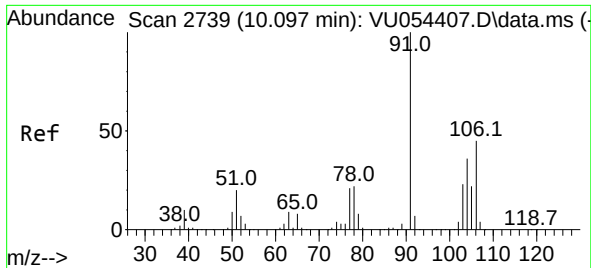
Tgt Ion: 91 Resp: 102234  
Ion Ratio Lower Upper  
91 100  
106 31.4 21.1 39.3



#53  
m,p-Xylene  
Concen: 0.842 ug/L  
RT: 9.692 min Scan# 2613  
Delta R.T. 0.003 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Tgt Ion:106 Resp: 37186  
Ion Ratio Lower Upper  
106 100  
91 214.8 147.0 273.0

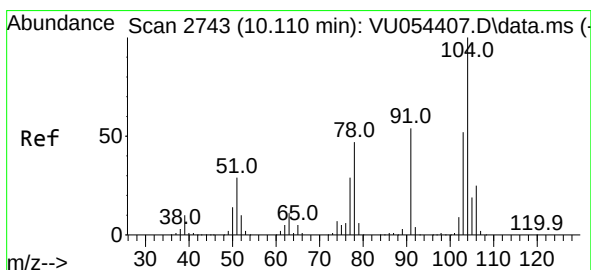
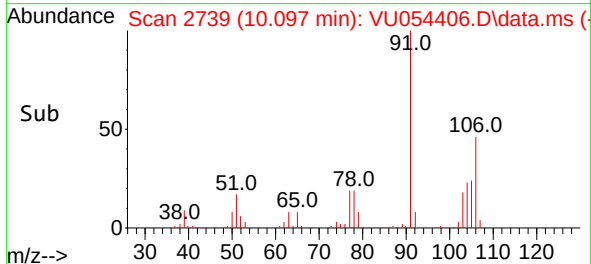
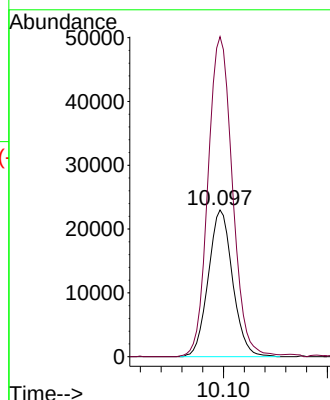
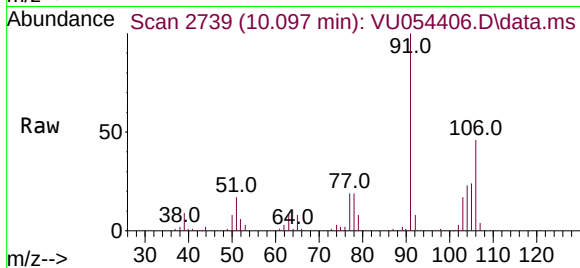




#54  
o-Xylene  
Concen: 0.873 ug/L  
RT: 10.097 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

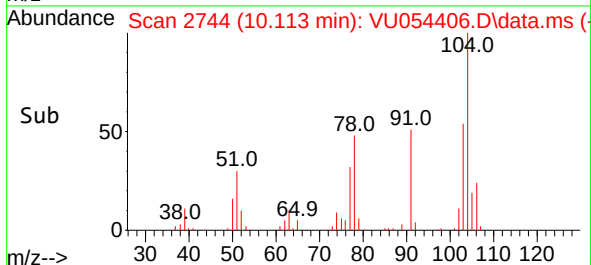
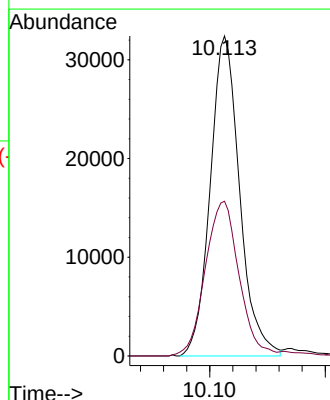
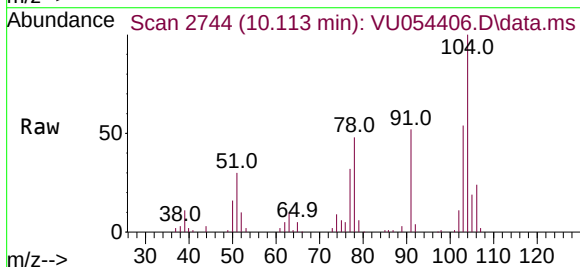
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD001032

Tgt Ion:106 Resp: 37327  
Ion Ratio Lower Upper  
106 100  
91 218.1 154.5 286.9

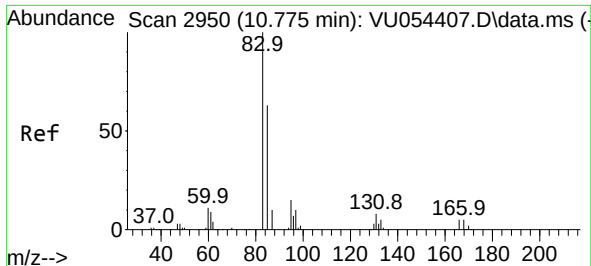


#55  
Styrene  
Concen: 0.798 ug/L  
RT: 10.113 min Scan# 2744  
Delta R.T. 0.003 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Tgt Ion:104 Resp: 57218  
Ion Ratio Lower Upper  
104 100  
78 48.3 33.0 61.4







#57

1,1,2,2-Tetrachloroethane

Concen: 0.898 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTD001032

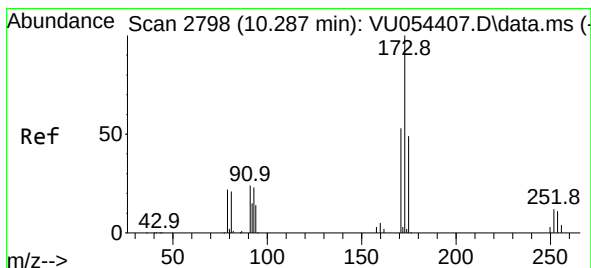
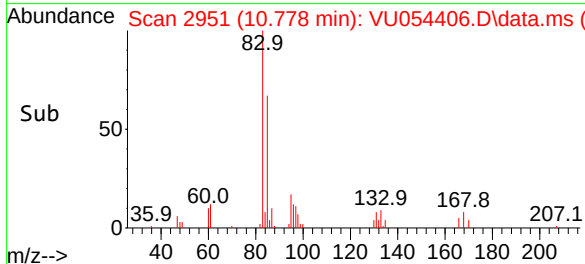
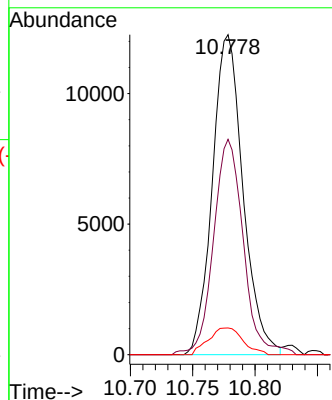
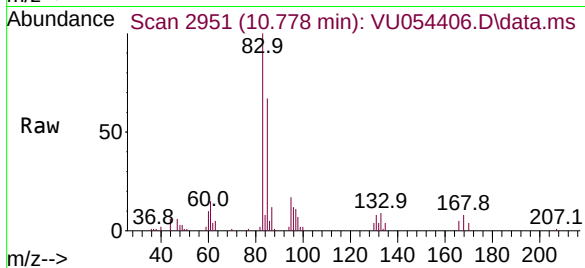
Tgt Ion: 83 Resp: 20995

Ion Ratio Lower Upper

83 100

85 67.3 44.2 82.2

131 8.4 7.0 10.6



#59

Bromoform

Concen: 0.943 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

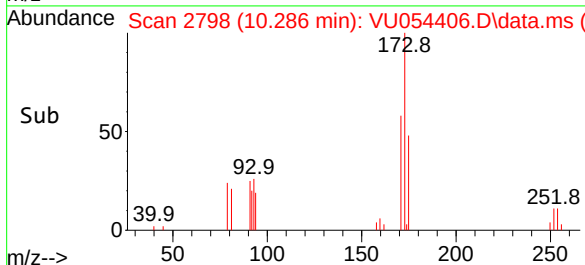
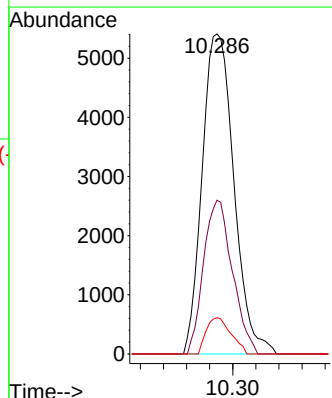
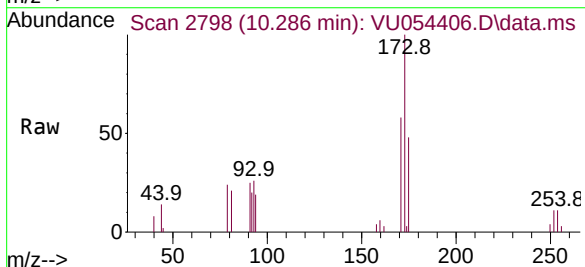
Tgt Ion:173 Resp: 10317

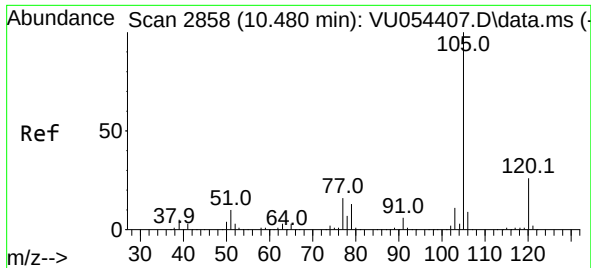
Ion Ratio Lower Upper

173 100

175 43.6 39.4 59.0

254 8.8 8.6 12.8

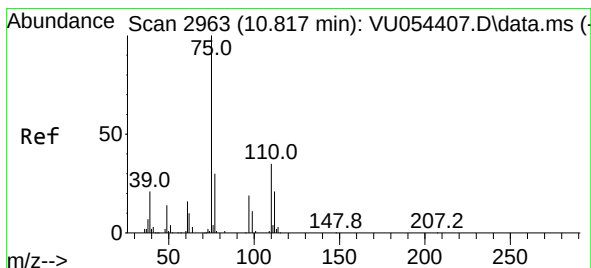
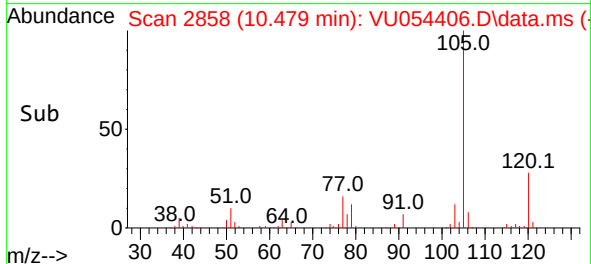
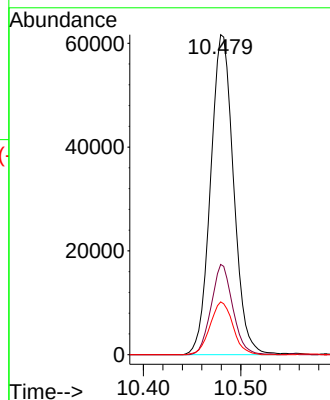
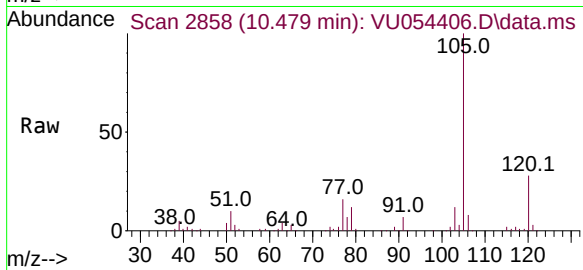




#60  
Isopropylbenzene  
Concen: 0.907 ug/L  
RT: 10.479 min Scan# 2858  
Delta R.T. -0.000 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

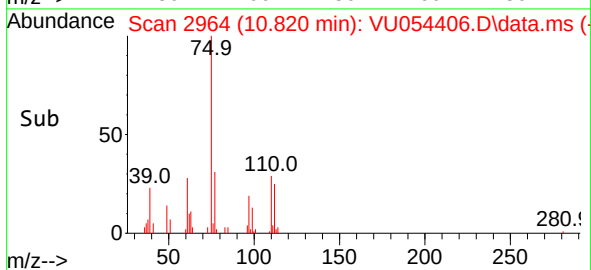
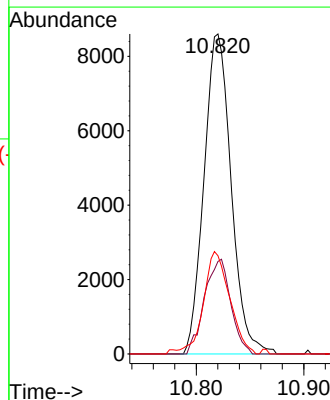
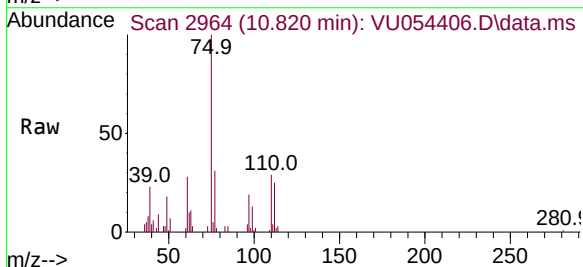
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD001032

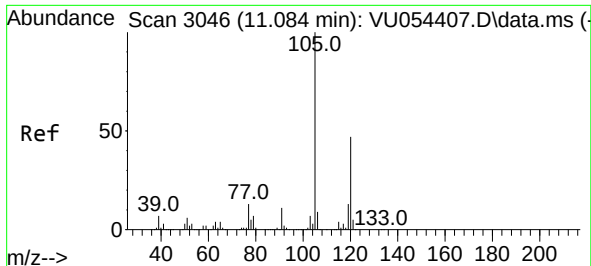
Tgt Ion:105 Resp: 101185  
Ion Ratio Lower Upper  
105 100  
120 26.4 20.9 31.3  
77 16.4 13.2 19.8



#61  
1,2,3-Trichloropropane  
Concen: 0.980 ug/L  
RT: 10.820 min Scan# 2964  
Delta R.T. 0.003 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Tgt Ion: 75 Resp: 15101  
Ion Ratio Lower Upper  
75 100  
110 28.5 28.0 42.0  
77 31.1 25.4 38.2

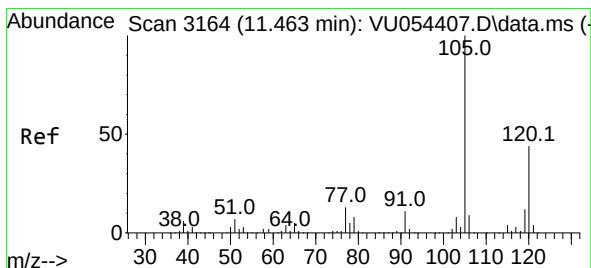
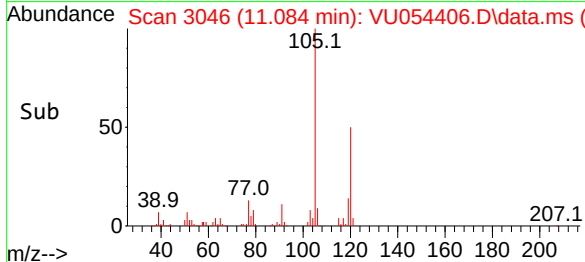
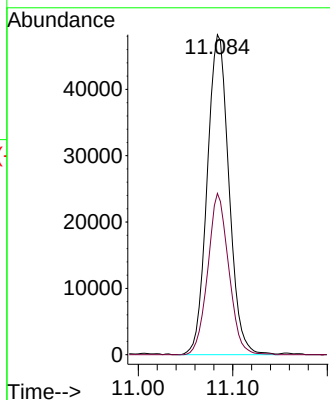
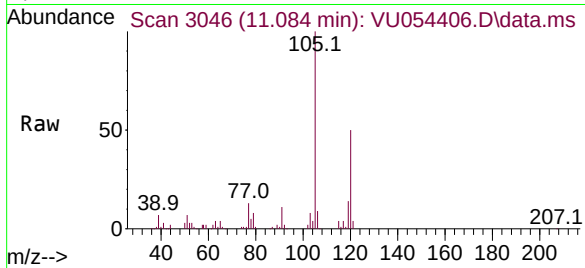




#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.846 ug/L  
 RT: 11.084 min Scan# 3046  
 Delta R.T. -0.000 min  
 Lab File: VU054406.D  
 Acq: 07 Jun 2023 12:05

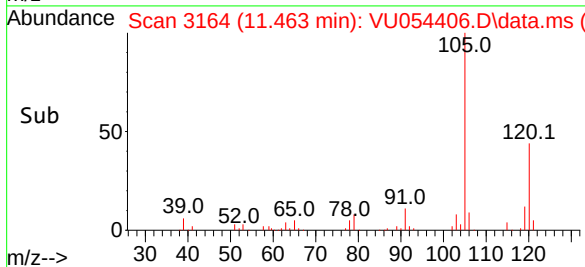
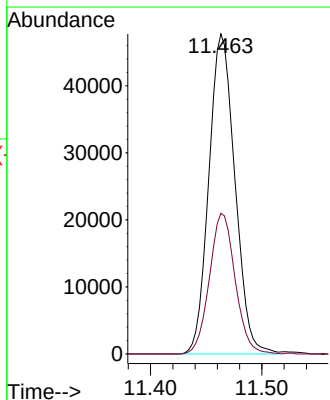
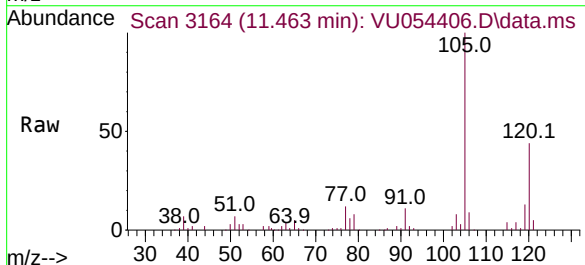
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD001032

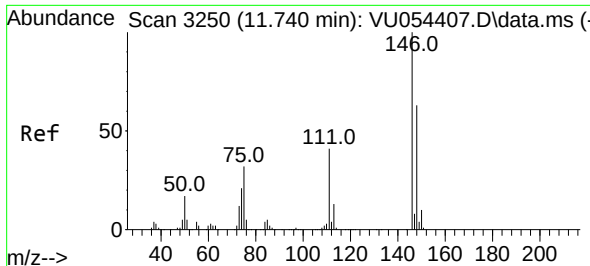
Tgt Ion:105 Resp: 77023  
 Ion Ratio Lower Upper  
 105 100  
 120 48.5 37.9 56.9



#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.841 ug/L  
 RT: 11.463 min Scan# 3164  
 Delta R.T. -0.000 min  
 Lab File: VU054406.D  
 Acq: 07 Jun 2023 12:05

Tgt Ion:105 Resp: 77714  
 Ion Ratio Lower Upper  
 105 100  
 120 43.3 35.4 53.0

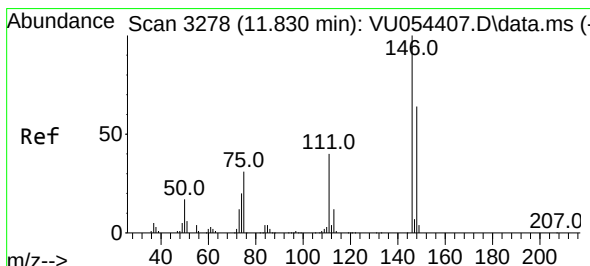
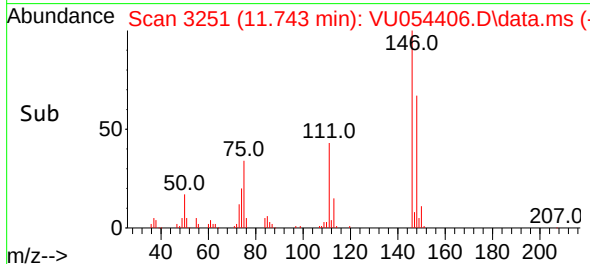
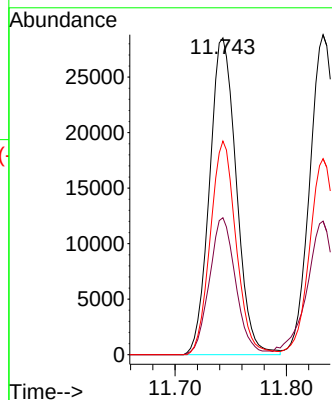
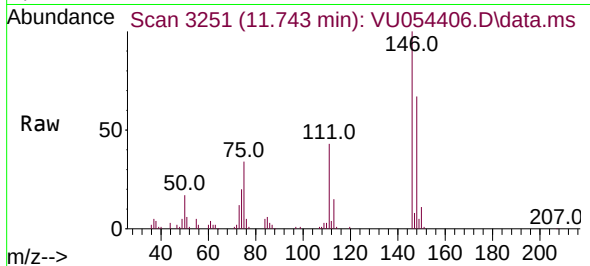




#64  
1,3-Dichlorobenzene  
Concen: 0.914 ug/L  
RT: 11.743 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

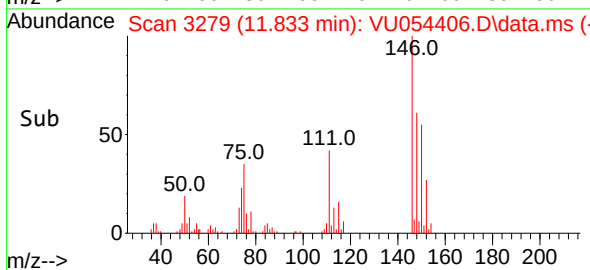
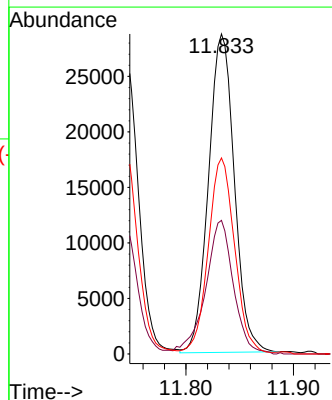
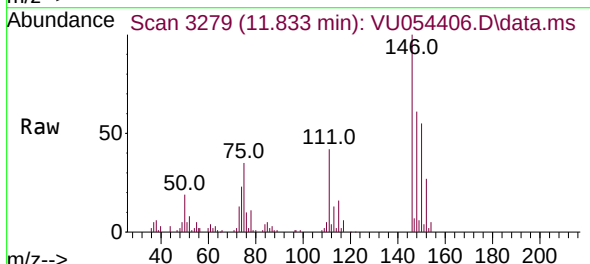
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD001032

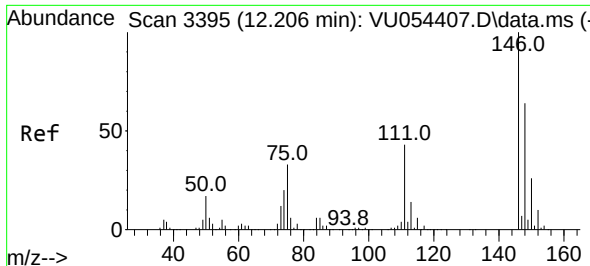
Tgt Ion:146 Resp: 47660  
Ion Ratio Lower Upper  
146 100  
111 43.3 28.9 53.7  
148 67.4 44.0 81.8



#65  
1,4-Dichlorobenzene  
Concen: 0.917 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. 0.003 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Tgt Ion:146 Resp: 47971  
Ion Ratio Lower Upper  
146 100  
111 41.7 28.0 52.0  
148 61.3 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 0.920 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTD001032

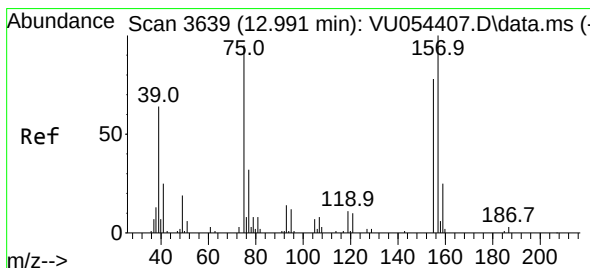
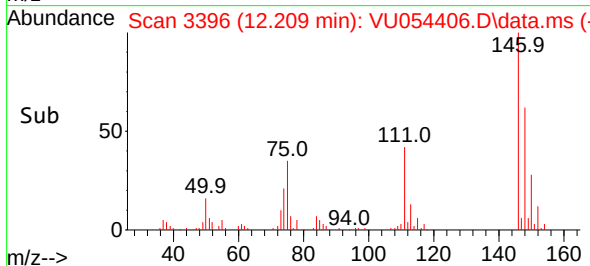
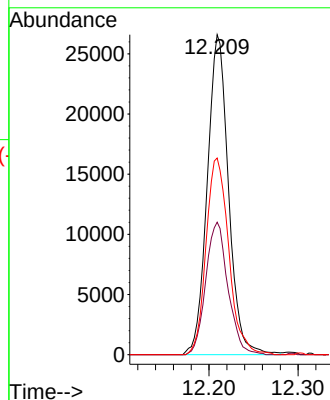
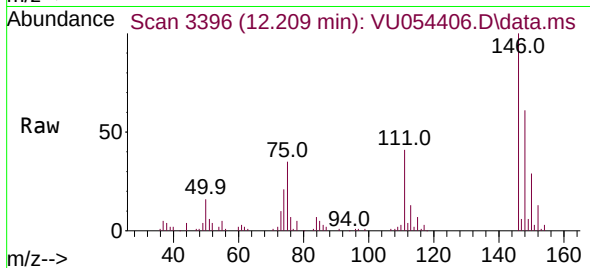
Tgt Ion:146 Resp: 44096

Ion Ratio Lower Upper

146 100

111 41.4 34.5 51.7

148 61.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 0.965 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU054406.D

Acq: 07 Jun 2023 12:05

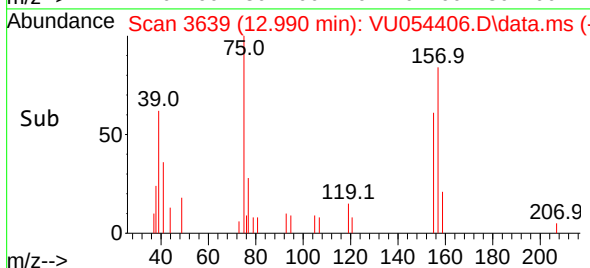
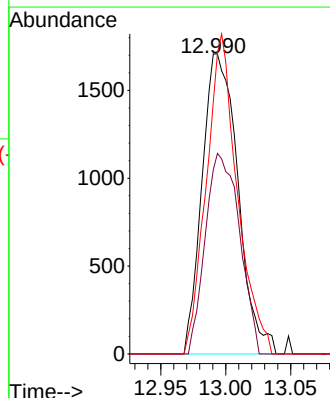
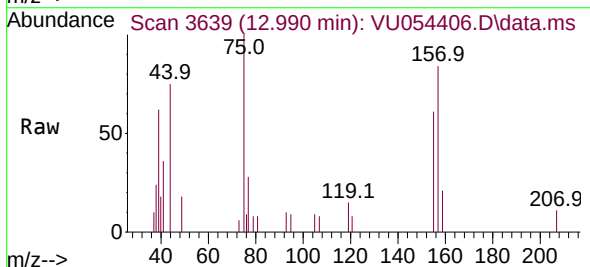
Tgt Ion: 75 Resp: 3267

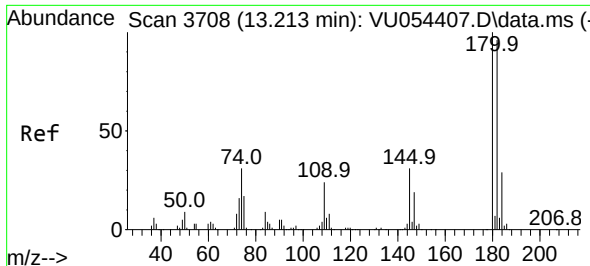
Ion Ratio Lower Upper

75 100

155 61.4 65.7 98.5#

157 84.1 84.2 126.2#

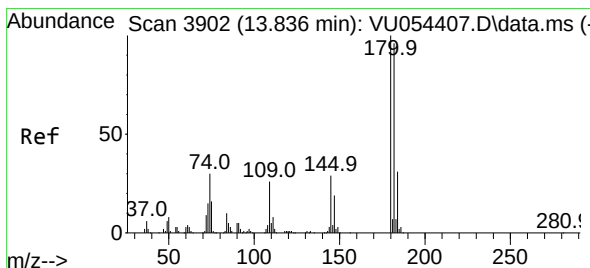
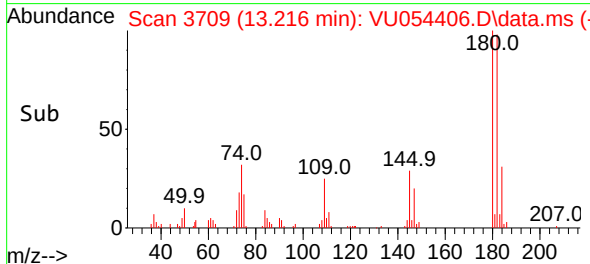
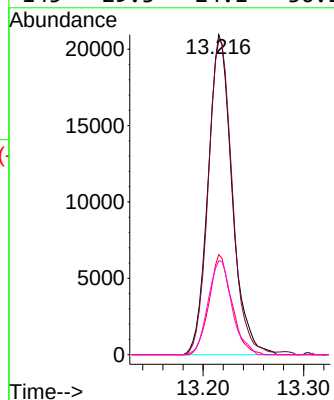
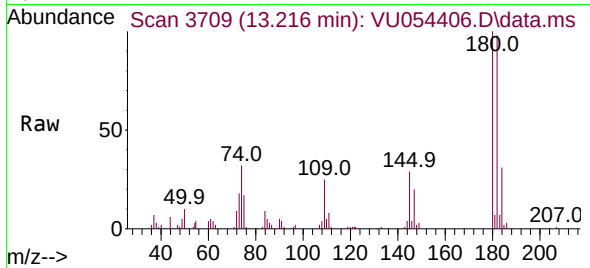




#69  
 1,3,5-Trichlorobenzene  
 Concen: 0.881 ug/L  
 RT: 13.216 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU054406.D  
 Acq: 07 Jun 2023 12:05

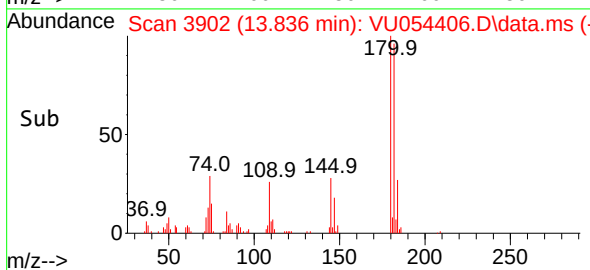
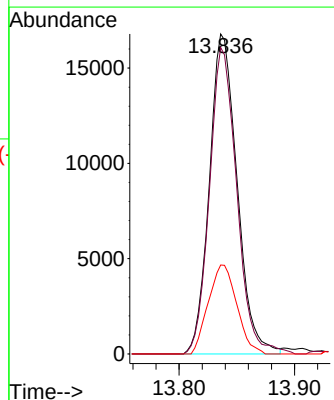
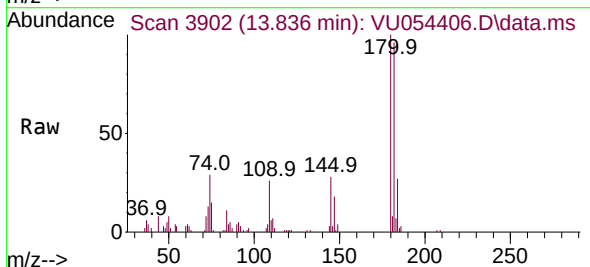
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD001032

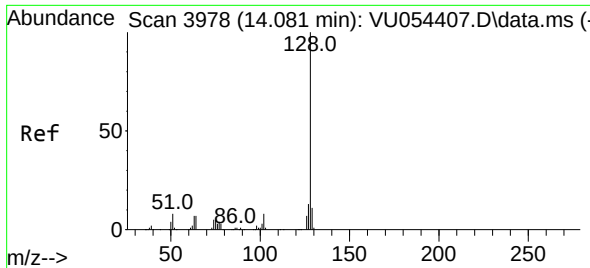
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 34657 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 98.6  | 75.0  | 112.6 |
| 184      | 29.4  | 24.1  | 36.1  |
| 145      | 29.3  | 24.1  | 36.1  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 0.861 ug/L  
 RT: 13.836 min Scan# 3902  
 Delta R.T. -0.000 min  
 Lab File: VU054406.D  
 Acq: 07 Jun 2023 12:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 27994 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.0  | 76.6  | 114.8 |
| 145      | 28.5  | 24.0  | 36.0  |

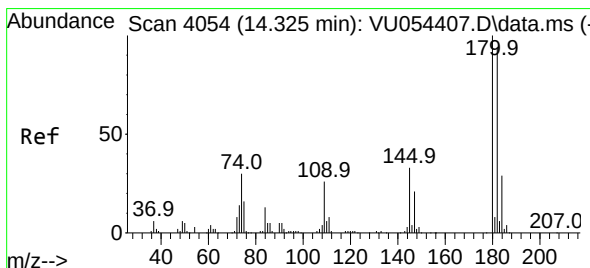
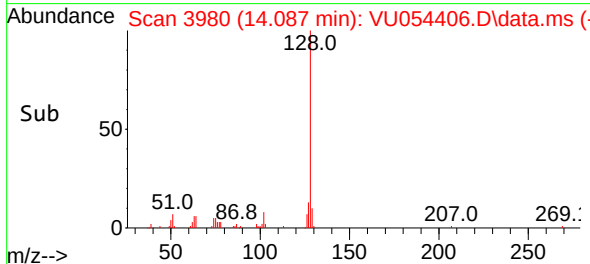
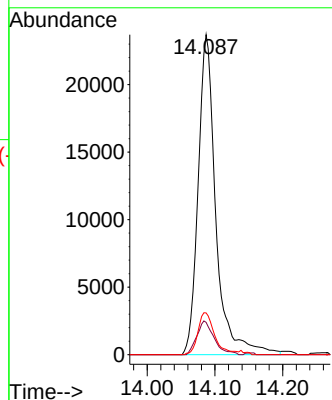
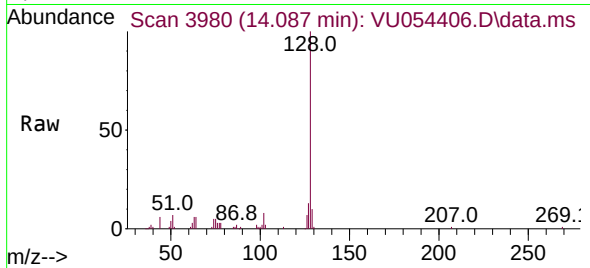




#71  
Naphthalene  
Concen: 0.813 ug/L  
RT: 14.087 min Scan# 3978  
Delta R.T. 0.006 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD001032

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 43015 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 10.2  | 8.6   | 12.8  |
| 127       | 12.4  | 10.6  | 15.8  |



#72  
1,2,3-Trichlorobenzene  
Concen: 0.838 ug/L  
RT: 14.325 min Scan# 4054  
Delta R.T. -0.000 min  
Lab File: VU054406.D  
Acq: 07 Jun 2023 12:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 23428 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.9  | 75.4  | 113.2 |
| 145       | 33.4  | 26.0  | 39.0  |

