

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082624\  
 Data File : VSTD.D  
 Acq On : 26 Aug 2024 11:14  
 Operator : SY/MD  
 Sample : VSTD2.5  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 27 05:13:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Aug 27 05:12:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114  | 330785   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 300550   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 142044   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65   | 14471    | 2.940  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.893  | 69   | 9760     | 2.794  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65   | 6100     | 2.900  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.094  | 46   | 4167     | 4.247  | ug/L   | 0.01     |
| 24) Chloroform-d              | 7.642  | 84   | 23398    | 2.623  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 11662    | 2.575  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.270  | 84   | 47644    | 2.686  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67   | 13234    | 2.546  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.319 | 98   | 41714    | 2.583  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79   | 4751     | 2.222  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.928 | 63   | 2892     | 3.635  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 8735     | 2.283  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152  | 13140    | 2.558  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015  | 85   | 7585     | 2.111  | ug/L # | 88       |
| 3) Chloromethane              | 2.216  | 50   | 10112    | 2.286  | ug/L   | 94       |
| 5) Vinyl chloride             | 2.369  | 62   | 12890    | 2.466  | ug/L   | 94       |
| 6) Bromomethane               | 2.790  | 94   | 7886     | 2.427  | ug/L   | 98       |
| 8) Chloroethane               | 2.930  | 64   | 7352     | 2.441  | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.265  | 101  | 10027    | 2.215  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.064  | 101  | 9825     | 2.354  | ug/L # | 63       |
| 12) 1,1-Dichloroethene        | 4.045  | 96   | 10668    | 2.520  | ug/L   | 77       |
| 13) Acetone                   | 4.137  | 43   | 3668     | 4.110  | ug/L   | 99       |
| 14) Carbon disulfide          | 4.393  | 76   | 29447    | 2.239  | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43   | 1410     | 0.812  | ug/L # | 79       |
| 16) Methylene chloride        | 4.911  | 84   | 16441    | 3.009  | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96   | 11112    | 2.370  | ug/L   | 90       |
| 18) Methyl tert-butyl Ether   | 5.417  | 73   | 7318     | 1.020  | ug/L # | 91       |
| 19) 1,1-Dichloroethane        | 6.216  | 63   | 20962    | 2.406  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96   | 12352    | 2.383  | ug/L   | 91       |
| 22) 2-Butanone                | 7.264  | 43   | 126      | 0.100  | ug/L   | 75       |
| 23) Bromochloromethane        | 7.514  | 128  | 5182     | 2.357  | ug/L   | 95       |
| 25) Chloroform                | 7.673  | 83   | 21526    | 2.415  | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 13335    | 2.337  | ug/L   | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 16789    | 2.328  | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 17496    | 2.485  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 15263    | 2.413  | ug/L   | 99       |
| 33) Benzene                   | 8.319  | 78   | 46739    | 2.427  | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 12802    | 2.469  | ug/L   | 91       |
| 35) Methylcyclohexane         | 9.337  | 83   | 20335    | 2.395  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 11265    | 2.310  | ug/L # | 97       |
| 38) Bromodichloromethane      | 9.642  | 83   | 14115    | 2.294  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 15993    | 2.131  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 8490     | 3.498  | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 48336    | 2.357  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 12130    | 1.997  | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082624\  
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 Operator : SY/MD  
 Sample : VSTD2.5  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

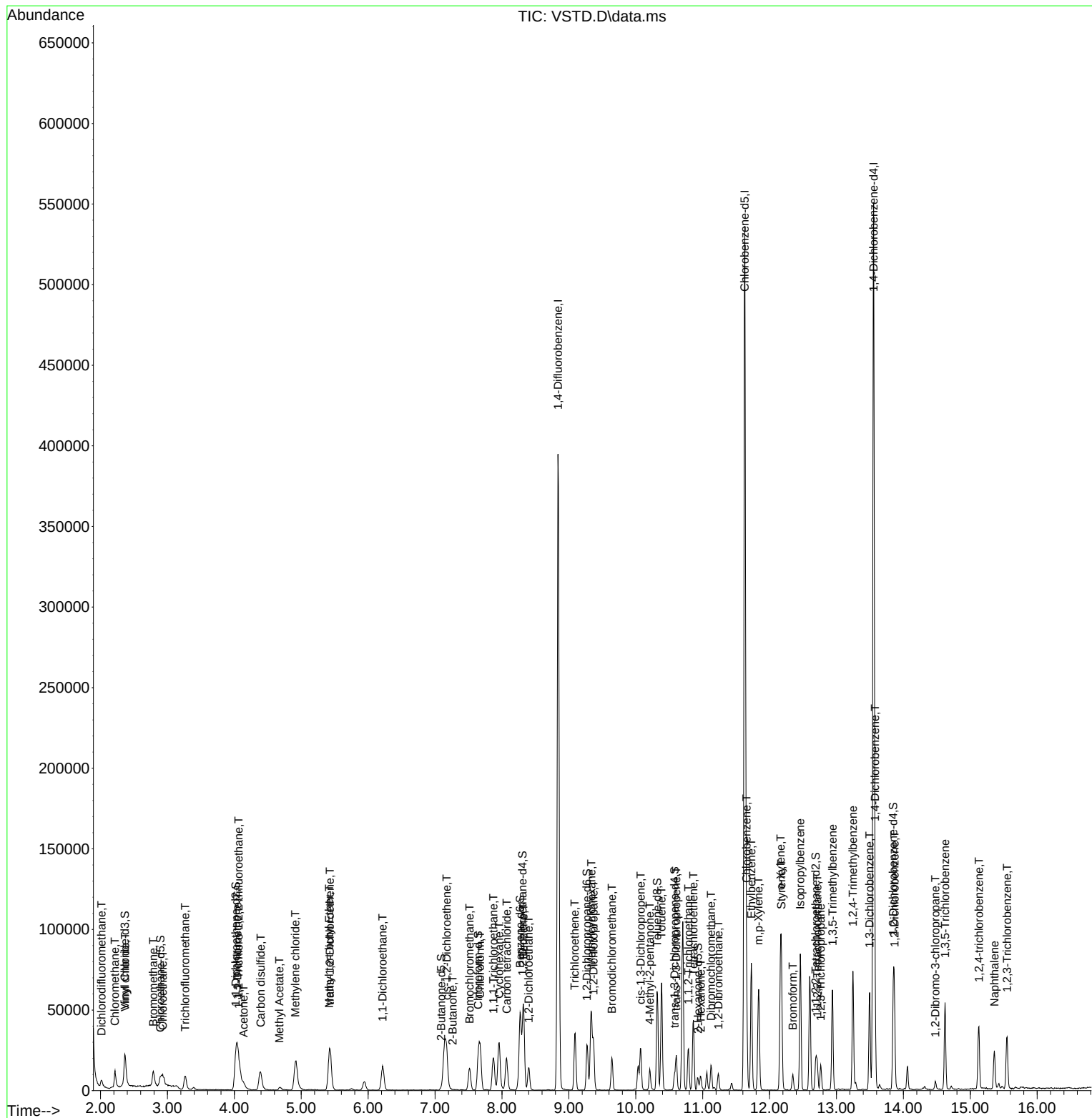
Instrument :  
 MSVOA\_W  
 ClientSampleId :

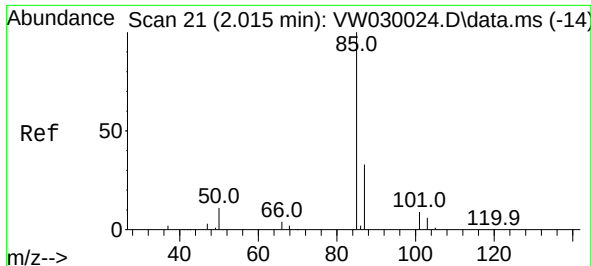
Quant Time: Aug 27 05:13:22 2024  
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 Quant Title : SFAM01.0  
 QLast Update : Tue Aug 27 05:12:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 8382     | 2.345 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.861 | 164  | 9998     | 2.540 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.971 | 43   | 6305     | 3.654 | ug/L # | 91       |
| 49) Dibromochloromethane      | 11.123 | 129  | 8075     | 2.126 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 7132     | 2.136 | ug/L # | 90       |
| 51) Chlorobenzene             | 11.654 | 112  | 32226    | 2.458 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 55647    | 2.395 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 20252    | 2.336 | ug/L   | 98       |
| 54) o-Xylene                  | 12.166 | 106  | 18846    | 2.264 | ug/L   | 97       |
| 55) Styrene                   | 12.178 | 104  | 30341    | 2.176 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 8571     | 2.130 | ug/L   | 98       |
| 59) Bromoform                 | 12.349 | 173  | 4370     | 2.066 | ug/L   | 95       |
| 60) Isopropylbenzene          | 12.459 | 105  | 53798    | 2.374 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 6200     | 2.147 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 33200    | 1.970 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 40320    | 2.270 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 23790    | 2.463 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 23844    | 2.443 | ug/L   | 91       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 20984    | 2.428 | ug/L # | 90       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 1224     | 1.980 | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 16192    | 2.567 | ug/L   | 93       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 12698    | 2.326 | ug/L   | 97       |
| 71) Naphthalene               | 15.360 | 128  | 20291    | 1.947 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 10970    | 2.289 | ug/L   | 95       |
| -----                         |        |      |          |       |        |          |

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

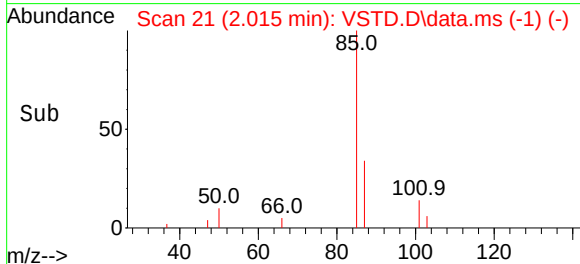
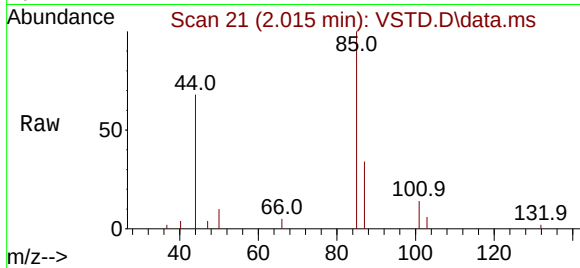
Quant Time: Aug 27 05:13:22 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
Quant Title : SFAM01.0  
QLast Update : Tue Aug 27 05:12:50 2024  
Response via : Initial Calibration



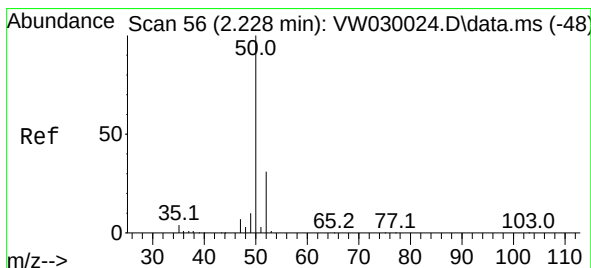
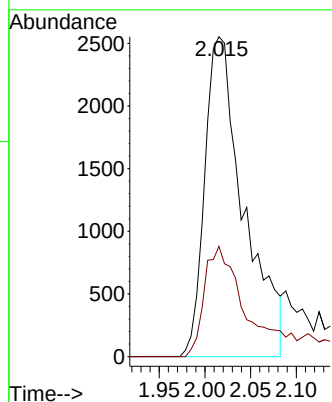


#2  
Dichlorodifluoromethane  
Concen: 2.111 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

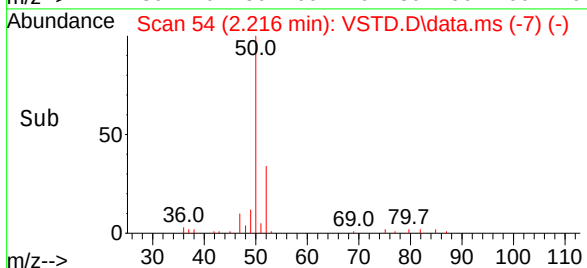
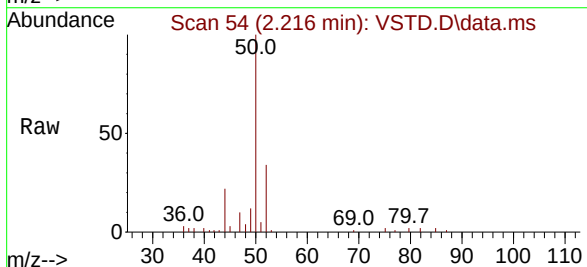
Instrument :  
MSVOA\_W  
ClientSampleId :



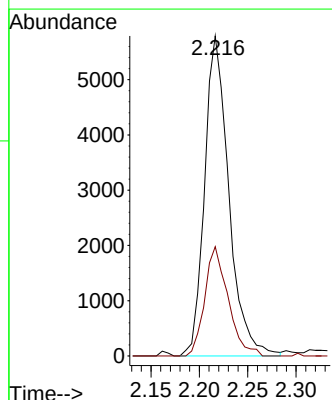
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Ion Ratio Lower Upper  
85 100  
87 36.9 24.2 36.2#

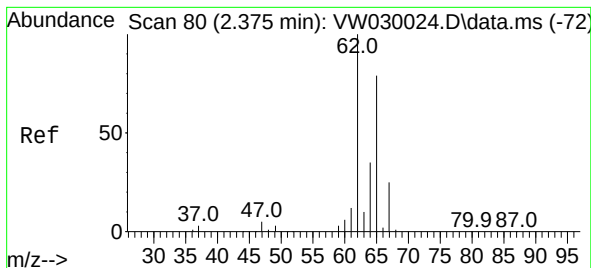


#3  
Chloromethane  
Concen: 2.286 ug/L  
RT: 2.216 min Scan# 54  
Delta R.T. -0.012 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14



Tgt Ion: 50 Resp: 10112  
Ion Ratio Lower Upper  
50 100  
52 34.2 21.6 40.2





#5

Vinyl chloride

Concen: 2.466 ug/L

RT: 2.369 min Scan# 79

Delta R.T. -0.006 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

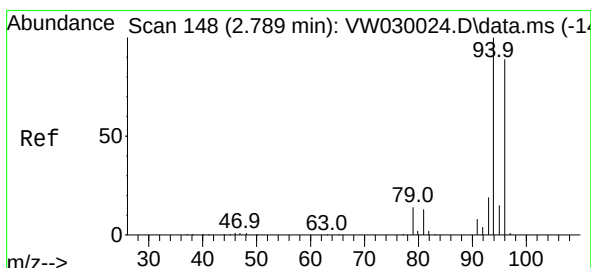
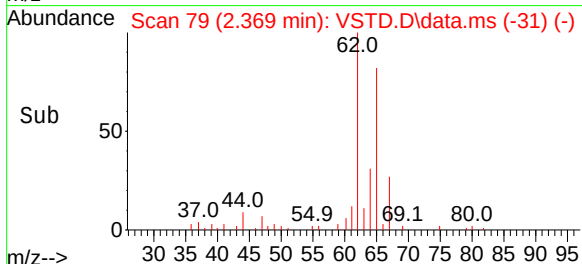
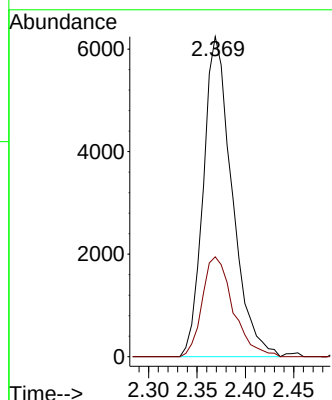
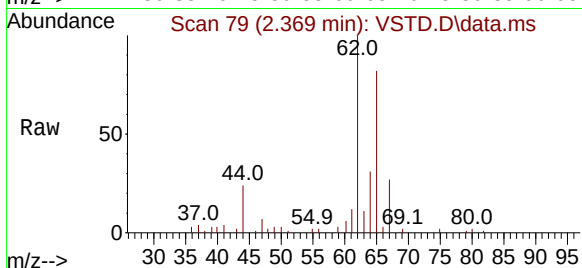
ClientSampleId :

Tgt Ion: 62 Resp: 12890

Ion Ratio Lower Upper

62 100

64 31.2 24.4 45.4



#6

Bromomethane

Concen: 2.427 ug/L

RT: 2.790 min Scan# 148

Delta R.T. 0.000 min

Lab File: VSTD.D

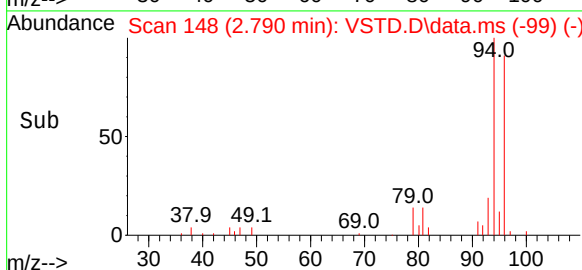
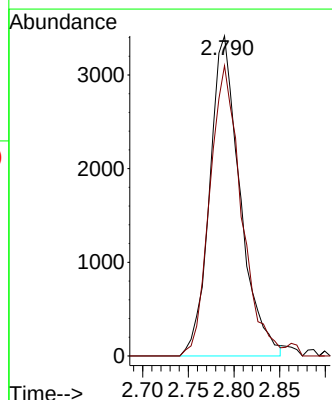
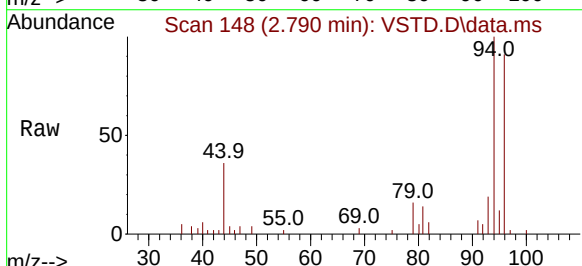
Acq: 26 Aug 2024 11:14

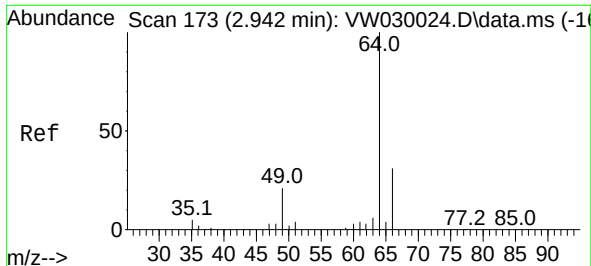
Tgt Ion: 94 Resp: 7886

Ion Ratio Lower Upper

94 100

96 90.7 62.4 115.8

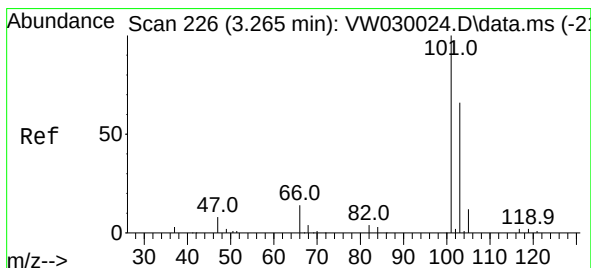
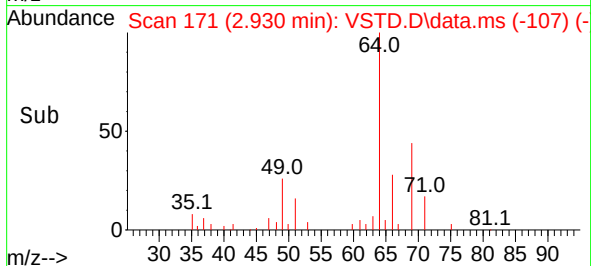
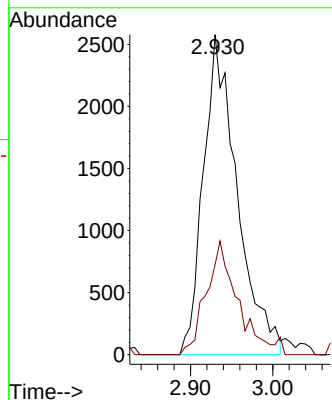
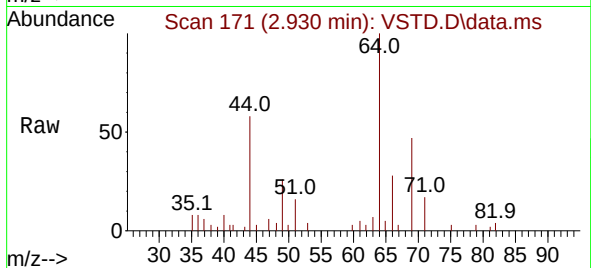




#8  
Chloroethane  
Concen: 2.441 ug/L  
RT: 2.930 min Scan# 171  
Delta R.T. -0.012 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

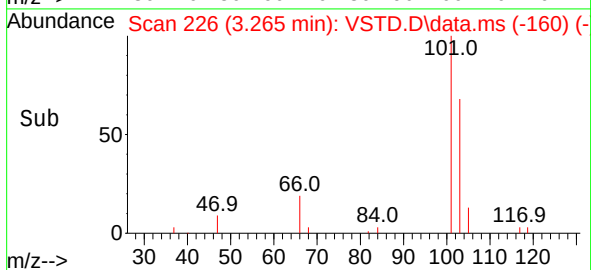
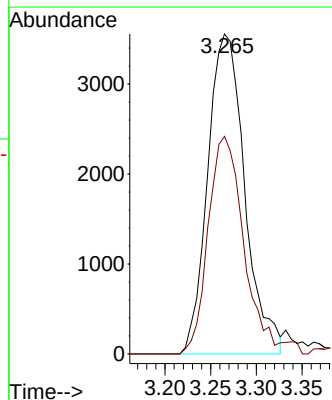
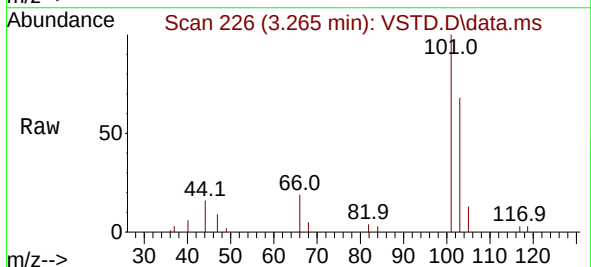
Instrument :  
MSVOA\_W  
ClientSampleId :

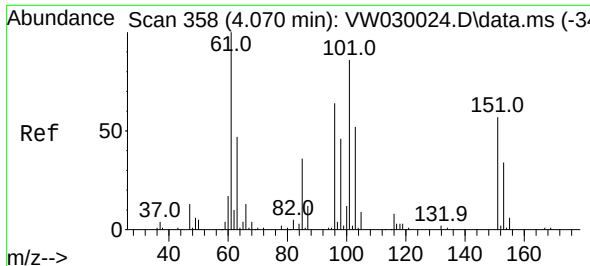
Tgt Ion: 64 Resp: 7352  
Ion Ratio Lower Upper  
64 100  
66 28.2 21.7 40.3



#9  
Trichlorofluoromethane  
Concen: 2.215 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. 0.000 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

Tgt Ion:101 Resp: 10027  
Ion Ratio Lower Upper  
101 100  
103 64.4 50.7 76.1





#10

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

Concen: 2.354 ug/L

RT: 4.064 min Scan# 357

Delta R.T. -0.006 min

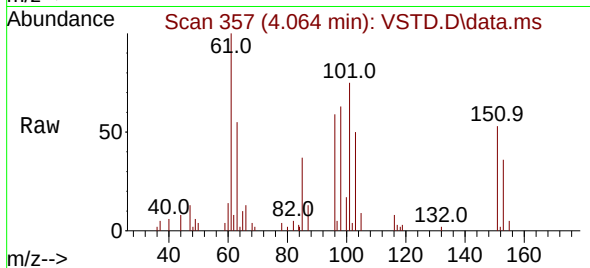
Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

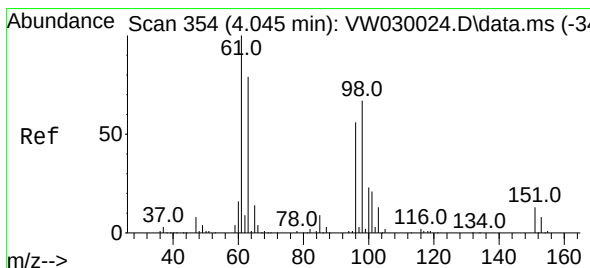
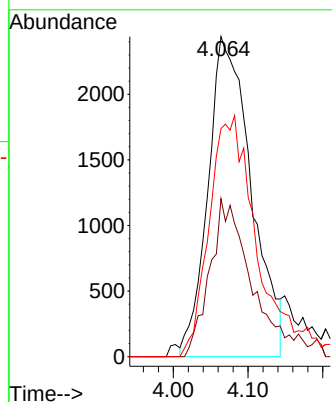
Instrument :

MSVOA\_W

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 9825  |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 19.5  | 34.7  | 52.1# |
| 151      | 38.5  | 54.8  | 82.2# |



#12

1,1-Dichloroethene

Concen: 2.520 ug/L

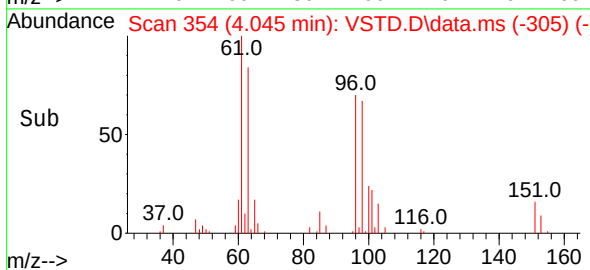
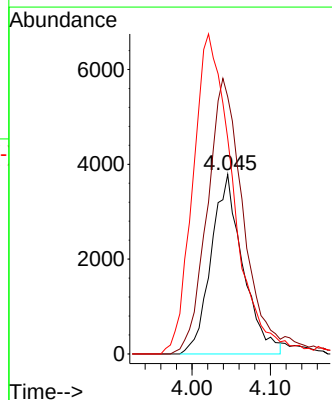
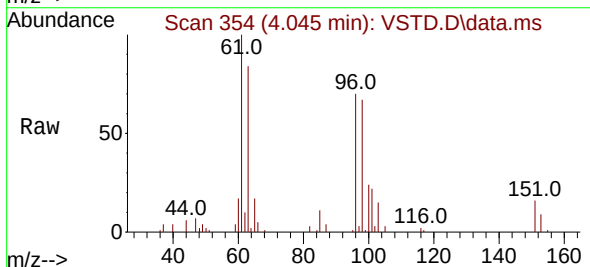
RT: 4.045 min Scan# 354

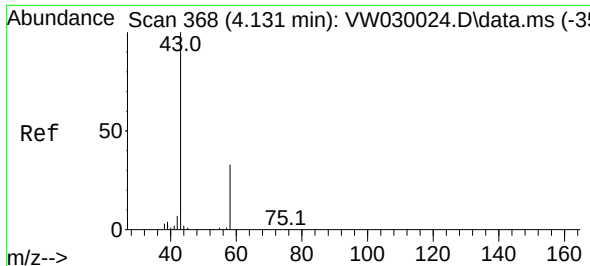
Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 10668 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 143.3 | 126.0 | 234.0 |
| 63       | 120.1 | 101.8 | 189.2 |

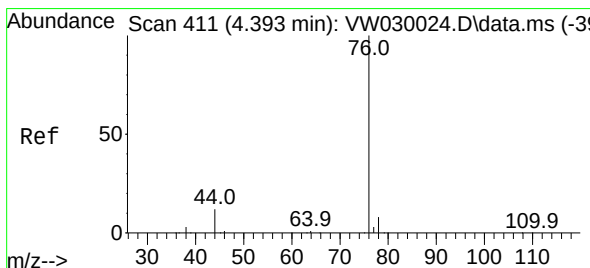
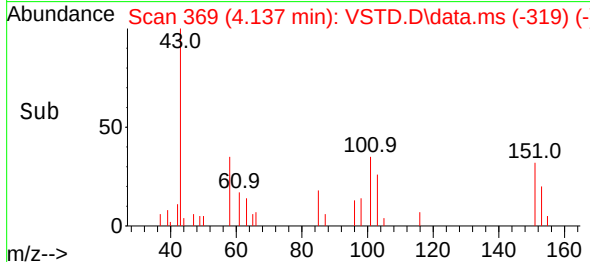
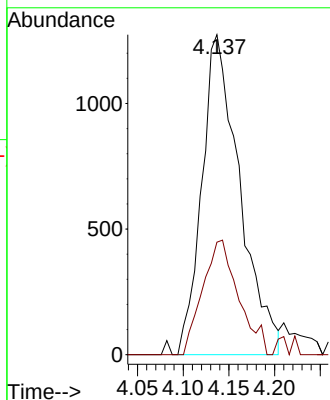
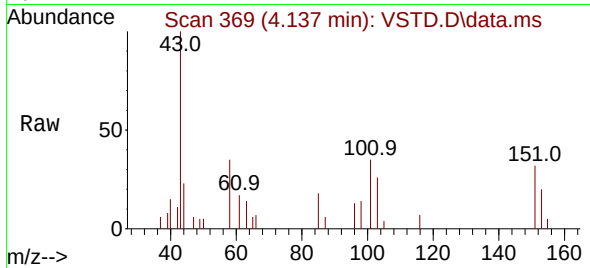




#13  
Acetone  
Concen: 4.110 ug/L  
RT: 4.137 min Scan# 368  
Delta R.T. 0.006 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

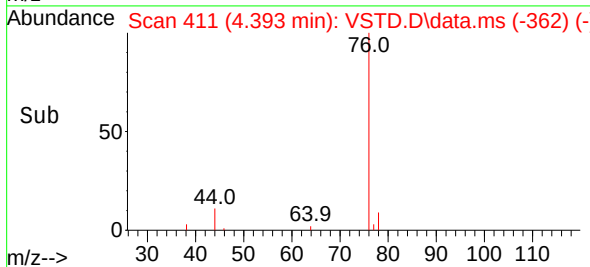
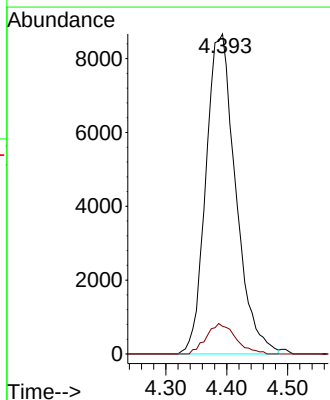
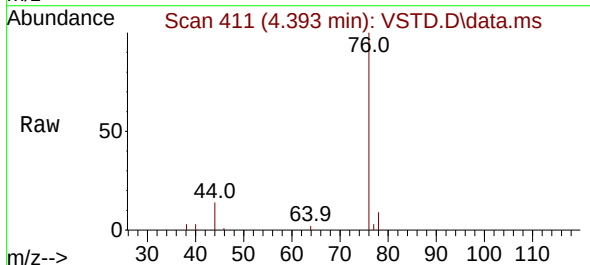
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 3668  
Ion Ratio Lower Upper  
43 100  
58 32.8 0.0 66.4

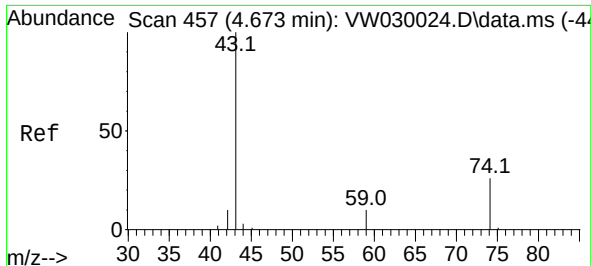


#14  
Carbon disulfide  
Concen: 2.239 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

Tgt Ion: 76 Resp: 29447  
Ion Ratio Lower Upper  
76 100  
78 8.6 6.6 9.8



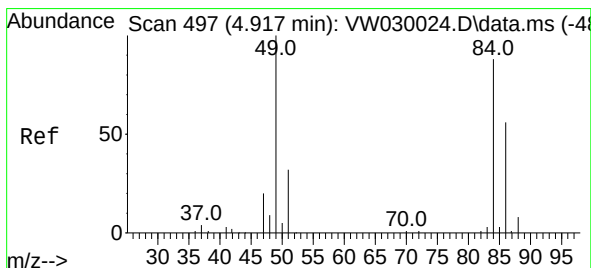
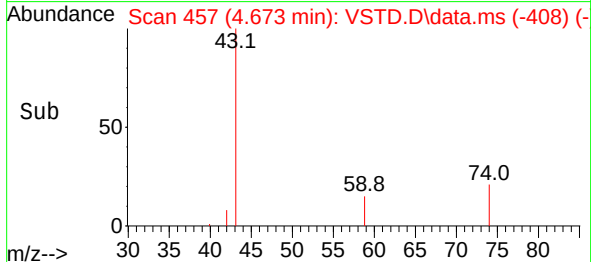
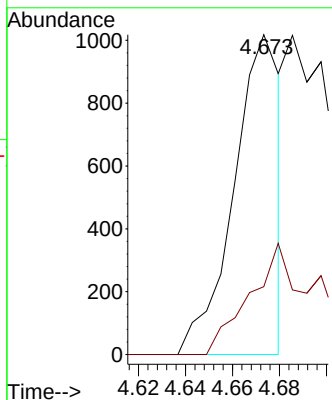
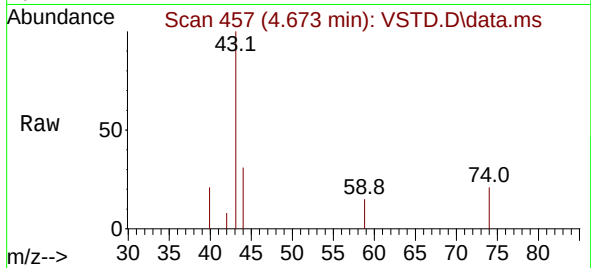




#15  
Methyl Acetate  
Concen: 0.812 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

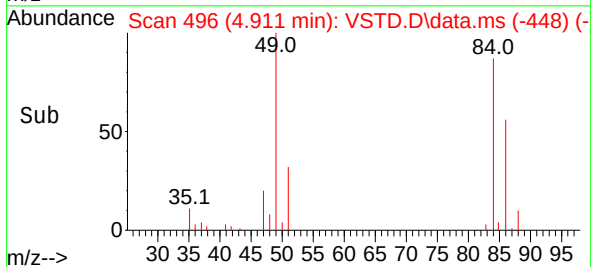
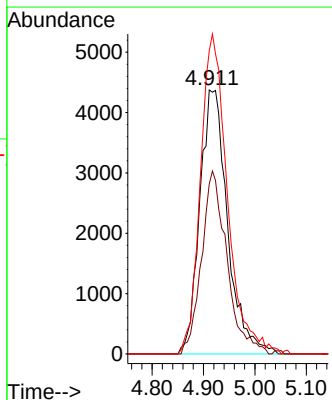
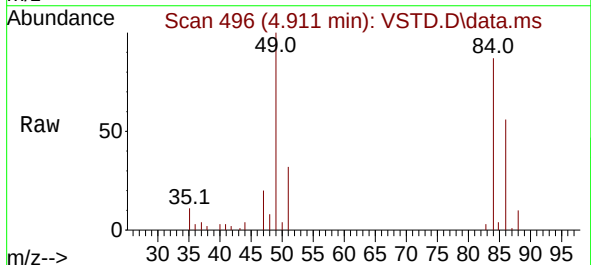
Instrument :  
MSVOA\_W  
ClientSampleId :

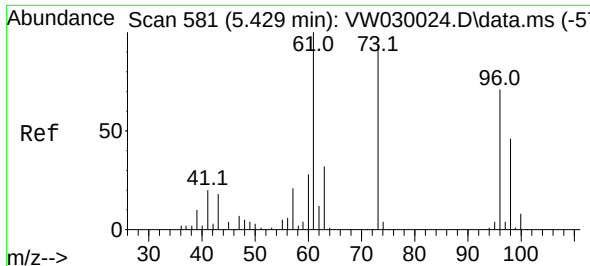
Tgt Ion: 43 Resp: 1410  
Ion Ratio Lower Upper  
43 100  
74 35.6 19.9 29.9#



#16  
Methylene chloride  
Concen: 3.009 ug/L  
RT: 4.911 min Scan# 496  
Delta R.T. -0.006 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

Tgt Ion: 84 Resp: 16441  
Ion Ratio Lower Upper  
84 100  
86 64.4 44.2 82.2  
49 114.8 79.9 148.3





#17

trans-1,2-Dichloroethene

Concen: 2.370 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

ClientSampleId :

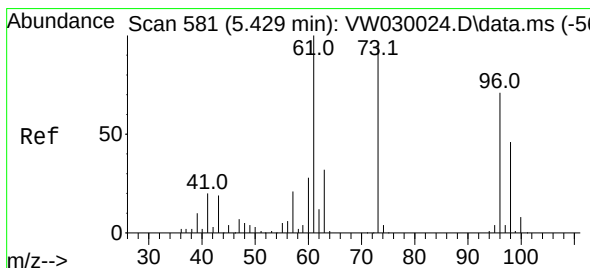
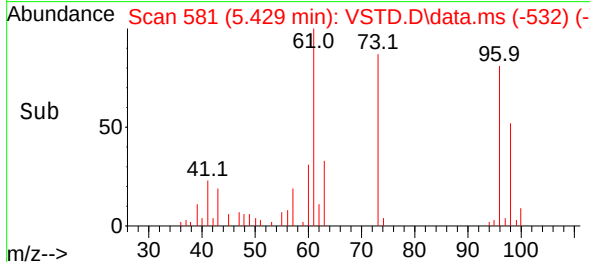
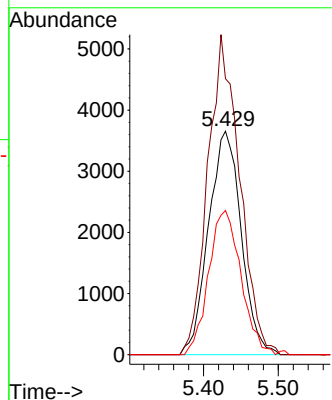
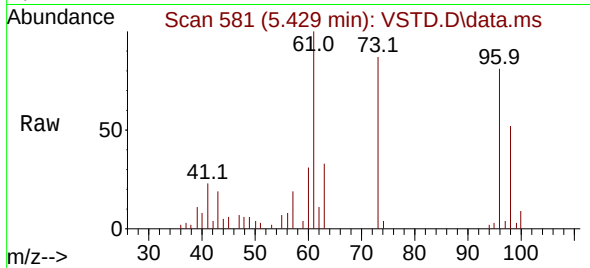
Tgt Ion: 96 Resp: 11112

Ion Ratio Lower Upper

96 100

61 123.5 98.3 182.7

98 64.5 45.3 84.1



#18

Methyl tert-butyl Ether

Concen: 1.020 ug/L

RT: 5.417 min Scan# 579

Delta R.T. -0.012 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

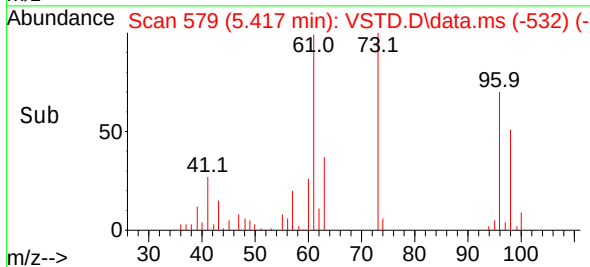
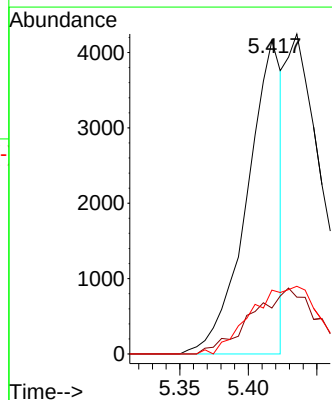
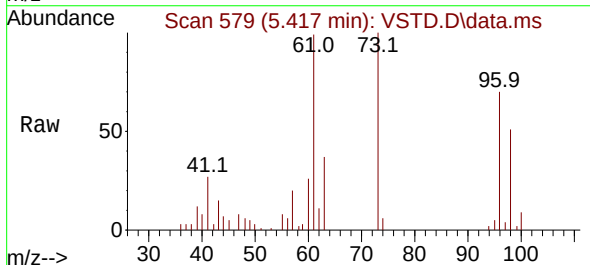
Tgt Ion: 73 Resp: 7318

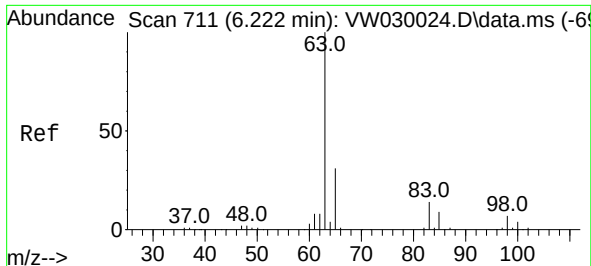
Ion Ratio Lower Upper

73 100

43 26.9 15.4 23.2#

57 20.6 17.4 26.0





#19

1,1-Dichloroethane

Concen: 2.406 ug/L

RT: 6.216 min Scan# 711

Delta R.T. -0.006 min

Lab File: VSTD.D

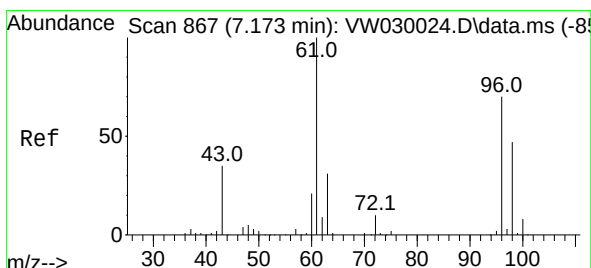
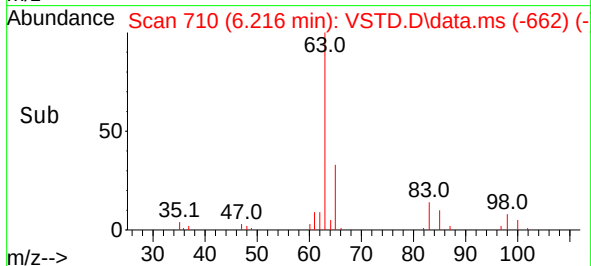
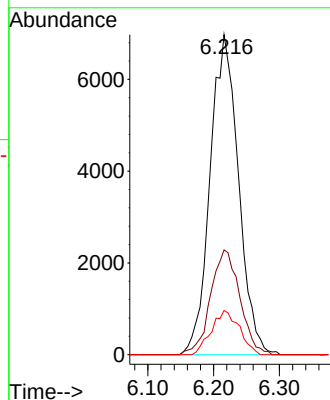
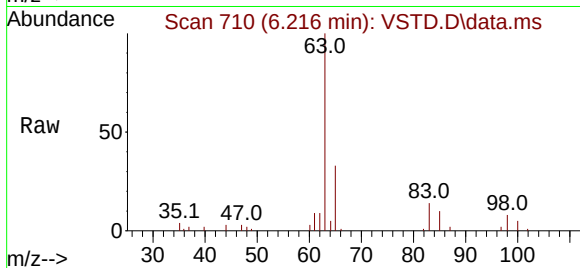
Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 20962 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 32.7     | 21.6 40.0   |
| 83 13.8     | 9.7 17.9    |



#20

cis-1,2-Dichloroethene

Concen: 2.383 ug/L

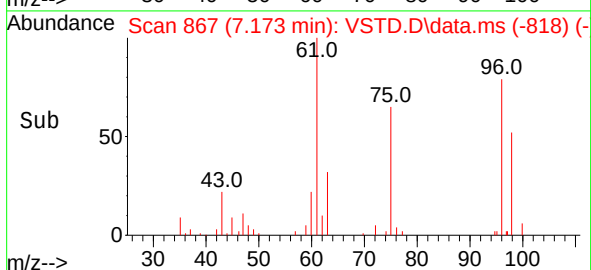
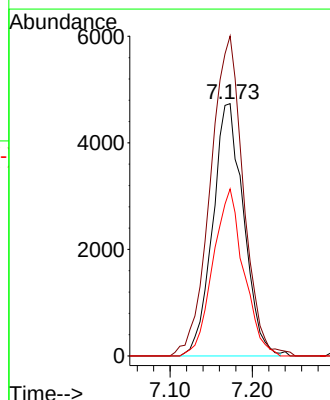
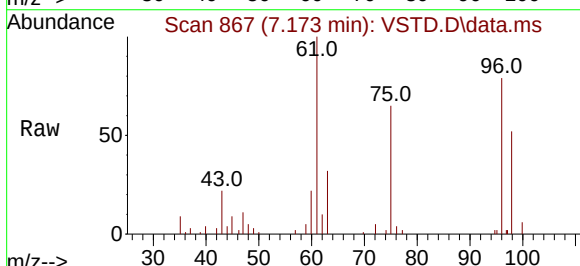
RT: 7.173 min Scan# 867

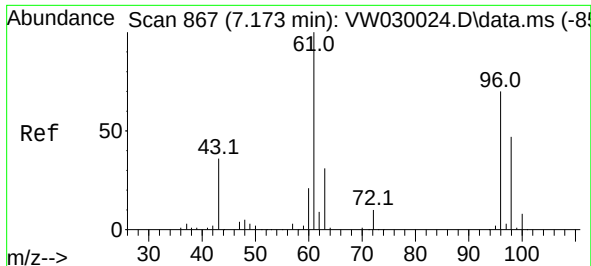
Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 12352 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 126.8    | 99.6 185.0  |
| 98 66.2     | 46.5 86.5   |





#22

2-Butanone

Concen: 0.100 ug/L

RT: 7.264 min Scan# 81

Delta R.T. 0.092 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

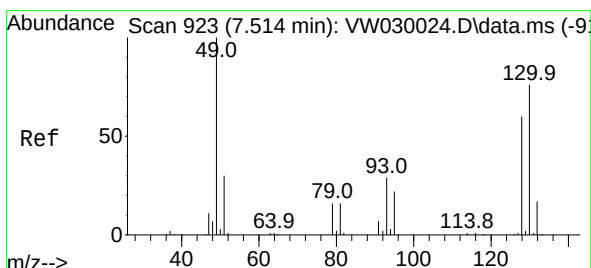
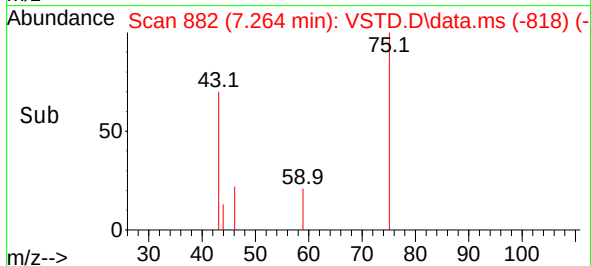
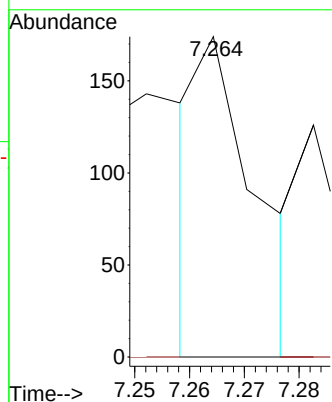
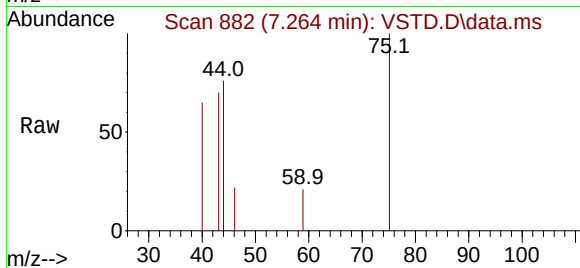
ClientSampleId :

Tgt Ion: 43 Resp: 126

Ion Ratio Lower Upper

43 100

72 43.7 15.0 45.1



#23

Bromochloromethane

Concen: 2.357 ug/L

RT: 7.514 min Scan# 923

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Tgt Ion: 128 Resp: 5182

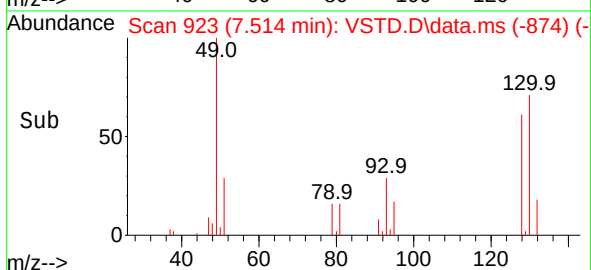
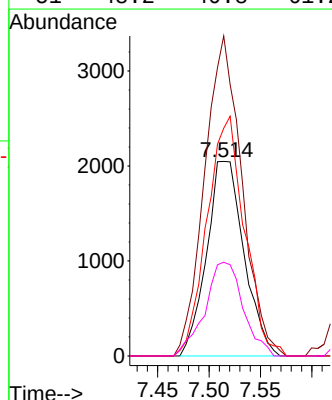
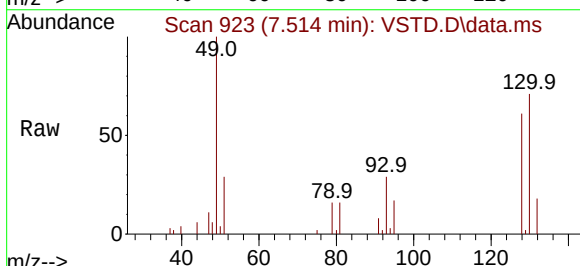
Ion Ratio Lower Upper

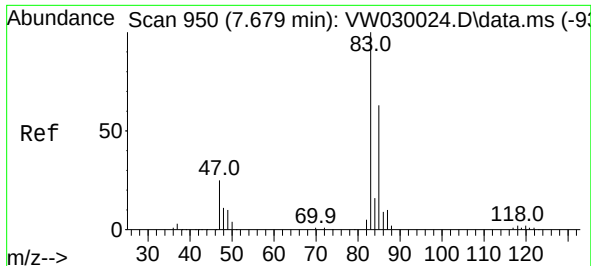
128 100

49 164.5 117.3 217.9

130 117.0 89.3 165.9

51 48.2 40.8 61.2





#25

Chloroform

Concen: 2.415 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.006 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

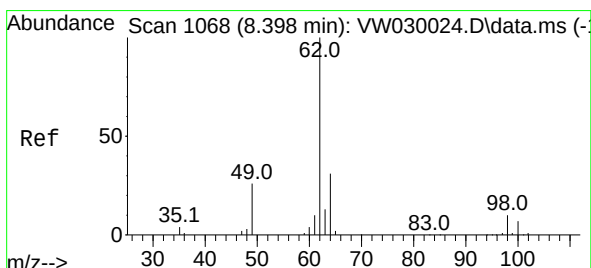
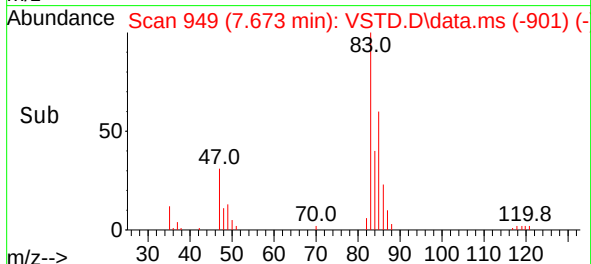
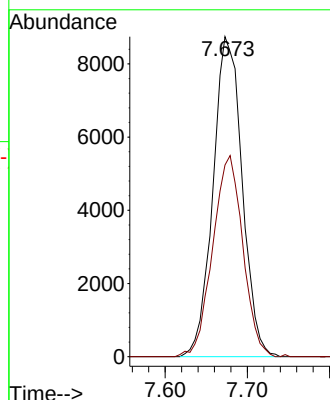
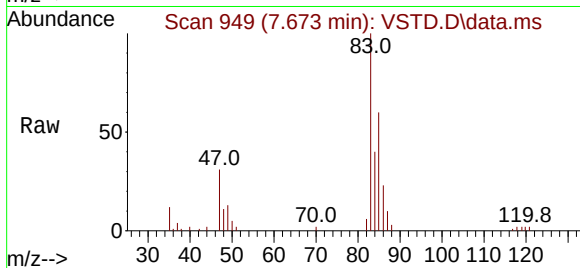
ClientSampleId :

Tgt Ion: 83 Resp: 21526

Ion Ratio Lower Upper

83 100

85 59.9 44.4 82.4



#27

1,2-Dichloroethane

Concen: 2.337 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VSTD.D

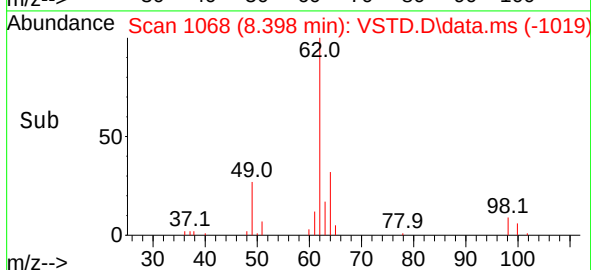
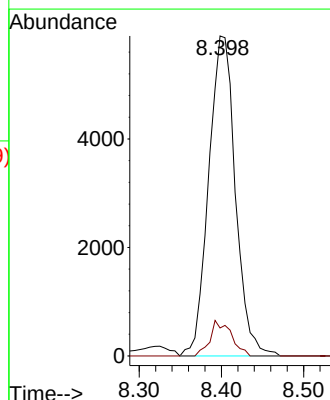
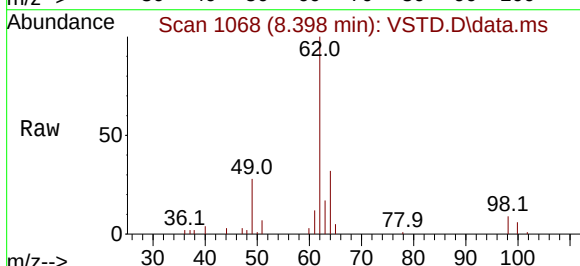
Acq: 26 Aug 2024 11:14

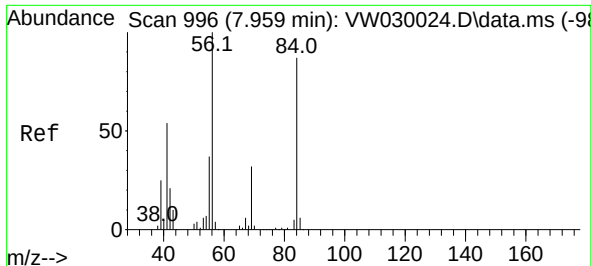
Tgt Ion: 62 Resp: 13335

Ion Ratio Lower Upper

62 100

98 8.8 7.7 11.5





#29

Cyclohexane

Concen: 2.328 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

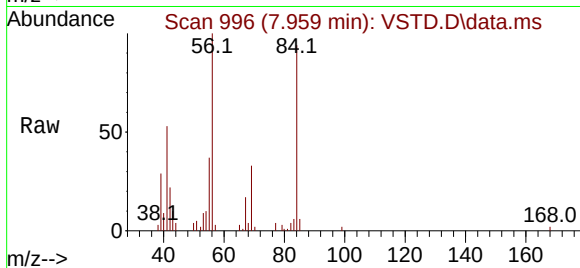
Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

ClientSampleId :



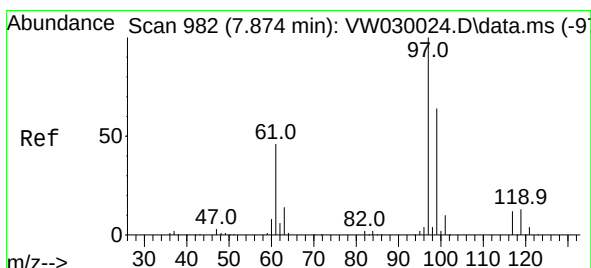
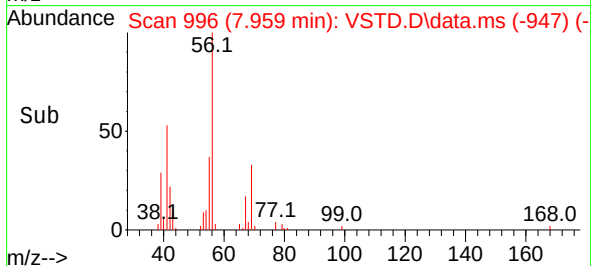
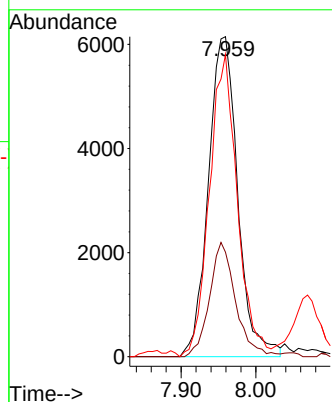
Tgt Ion: 56 Resp: 16789

Ion Ratio Lower Upper

56 100

69 31.4 24.4 36.6

84 89.7 68.1 102.1



#30

1,1,1-Trichloroethane

Concen: 2.485 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

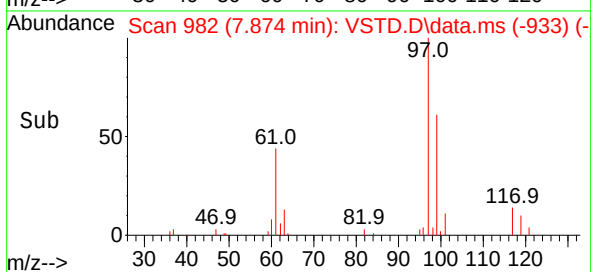
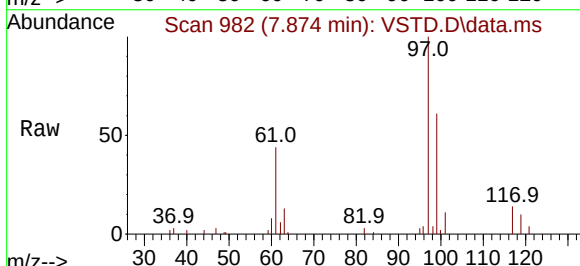
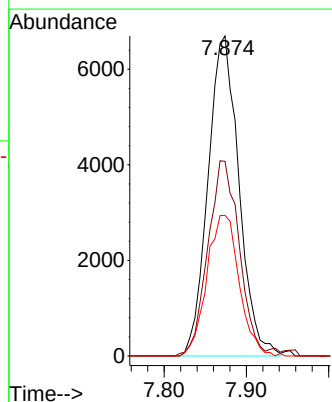
Tgt Ion: 97 Resp: 17496

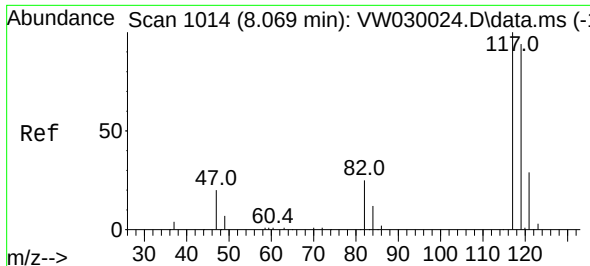
Ion Ratio Lower Upper

97 100

99 61.5 51.7 77.5

61 46.0 37.2 55.8

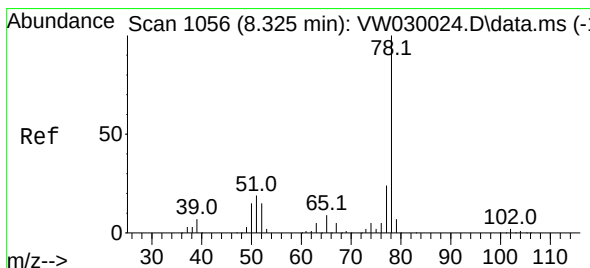
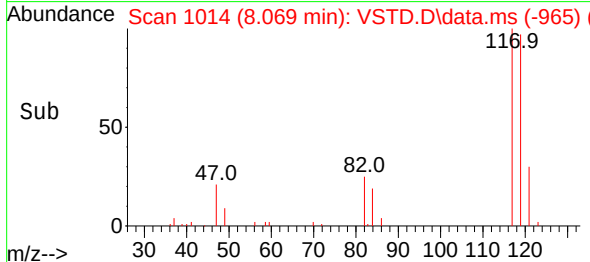
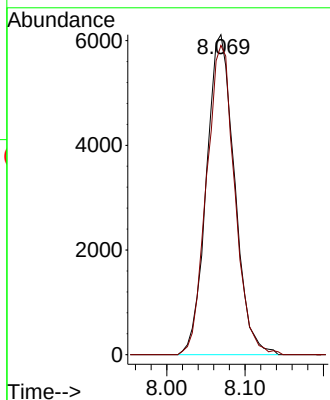
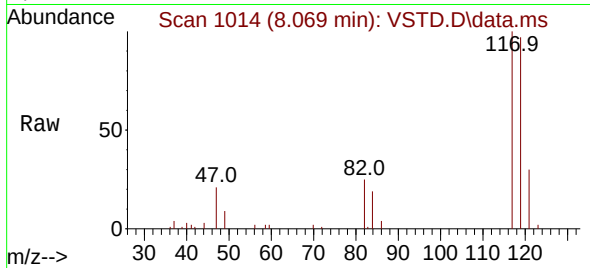




#31  
Carbon tetrachloride  
Concen: 2.413 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. 0.000 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

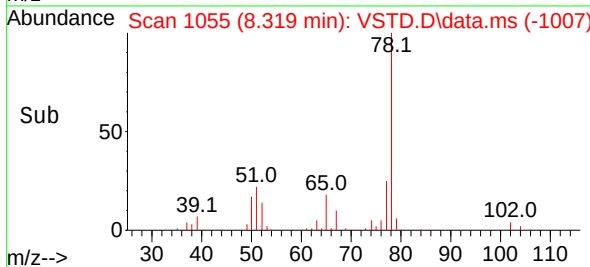
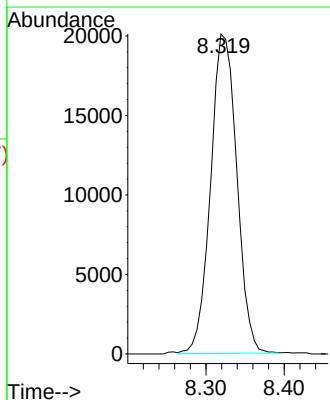
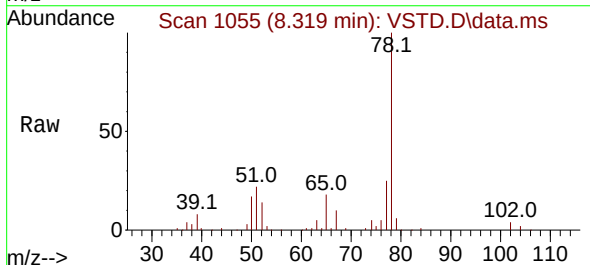
Instrument :  
MSVOA\_W  
ClientSampleId :

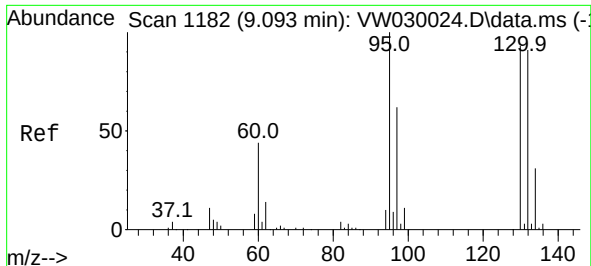
Tgt Ion:117 Resp: 15263  
Ion Ratio Lower Upper  
117 100  
119 96.6 77.7 116.5



#33  
Benzene  
Concen: 2.427 ug/L  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

Tgt Ion: 78 Resp: 46739



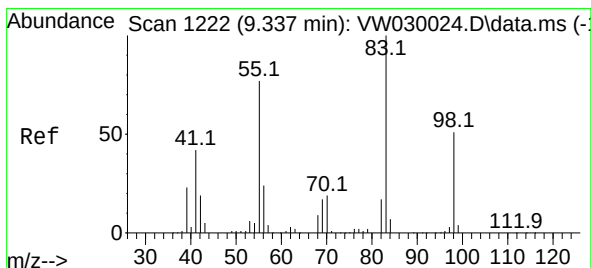
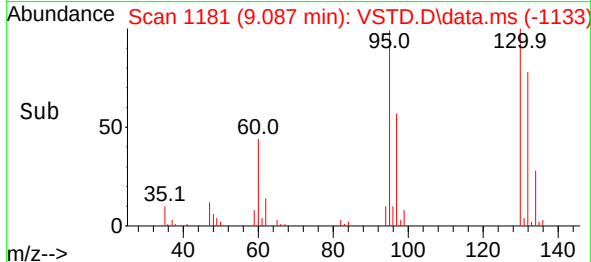
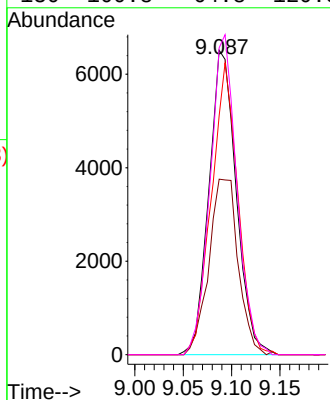
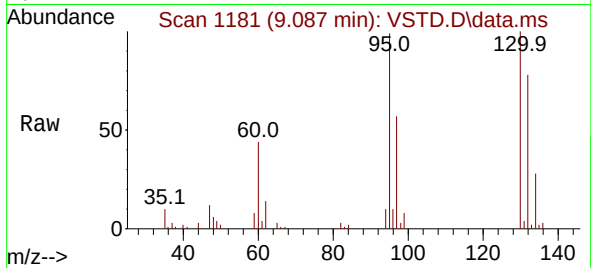


#34  
Trichloroethene  
Concen: 2.469 ug/L  
RT: 9.087 min Scan# 1182  
Delta R.T. -0.006 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 95 Resp: 12802

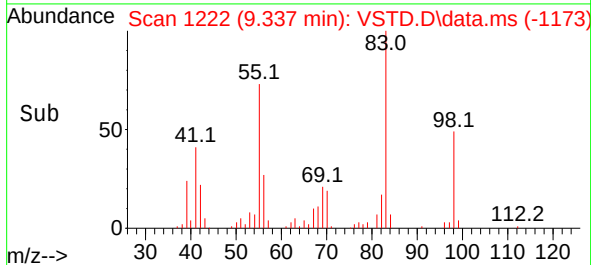
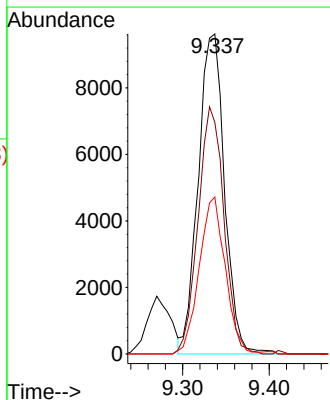
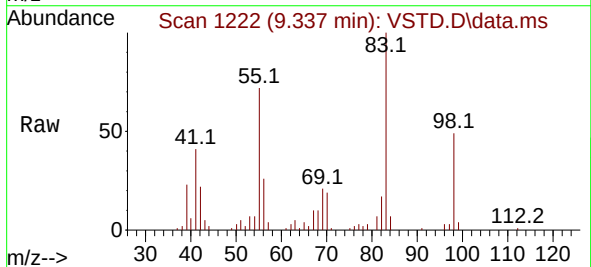
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 57.7  | 43.3  | 80.5  |
| 132 | 78.5  | 63.6  | 118.0 |
| 130 | 100.8 | 64.8  | 120.3 |



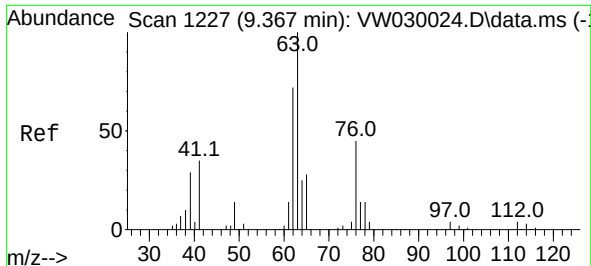
#35  
Methylcyclohexane  
Concen: 2.395 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

Tgt Ion: 83 Resp: 20335

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 75.6  | 59.0  | 88.6  |
| 98  | 48.5  | 38.2  | 57.4  |







#37

1,2-Dichloropropane

Concen: 2.310 ug/L

RT: 9.368 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

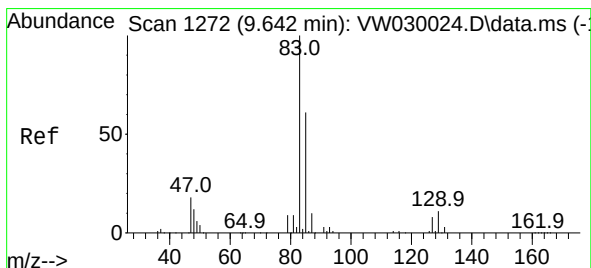
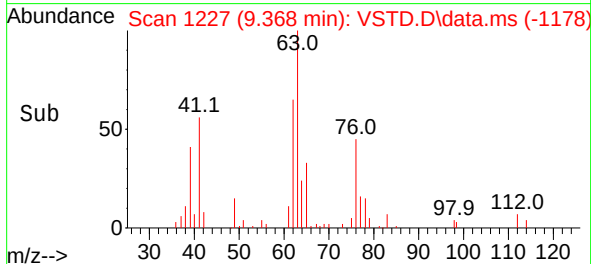
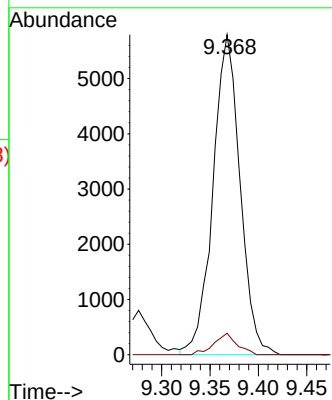
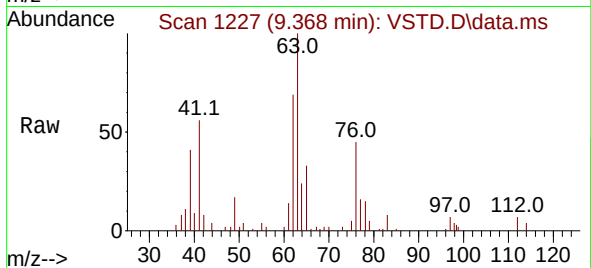
ClientSampleId :

Tgt Ion: 63 Resp: 11265

Ion Ratio Lower Upper

63 100

112 5.6 3.7 5.5#



#38

Bromodichloromethane

Concen: 2.294 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

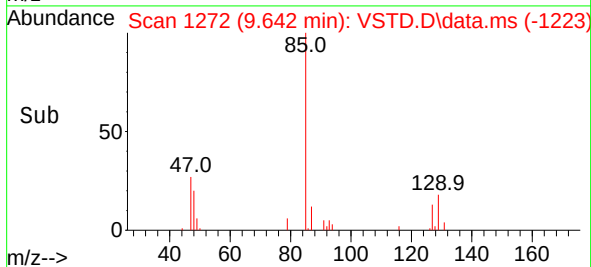
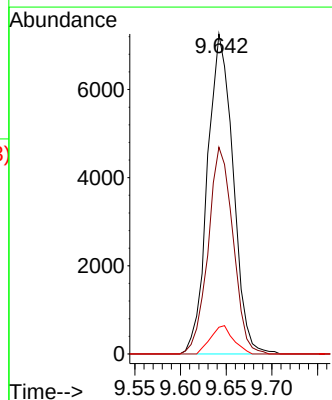
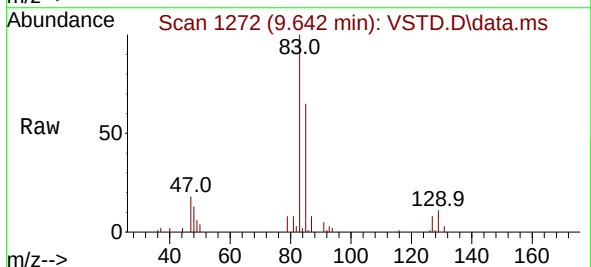
Tgt Ion: 83 Resp: 14115

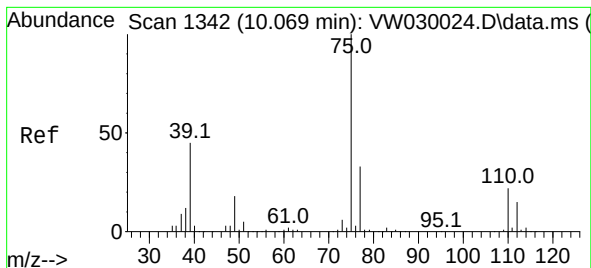
Ion Ratio Lower Upper

83 100

85 64.6 42.9 79.7

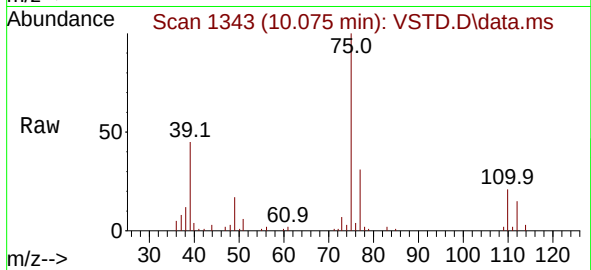
127 8.4 6.6 9.8



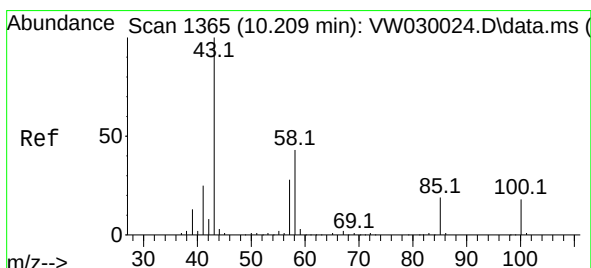
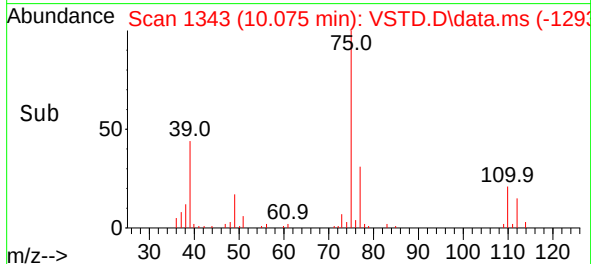
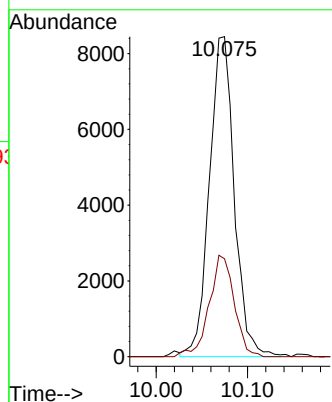


#39  
 cis-1,3-Dichloropropene  
 Concen: 2.131 ug/L  
 RT: 10.075 min Scan# 1343  
 Delta R.T. 0.006 min  
 Lab File: VSTD.D  
 Acq: 26 Aug 2024 11:14

Instrument :  
 MSVOA\_W  
 ClientSampleId :

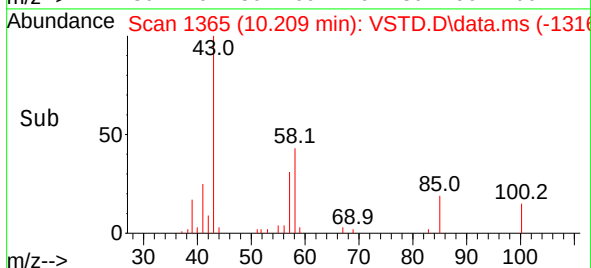
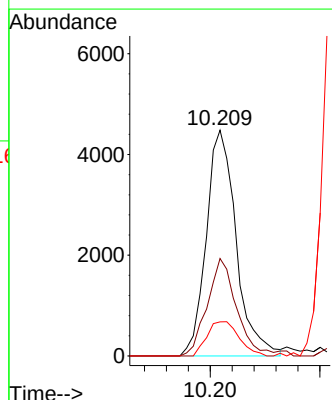
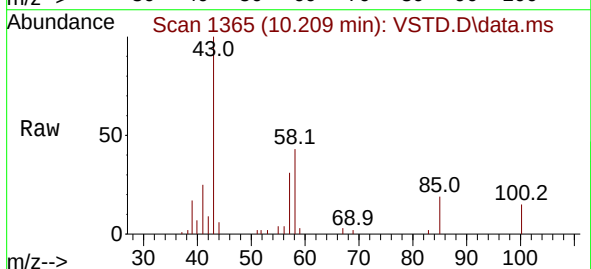


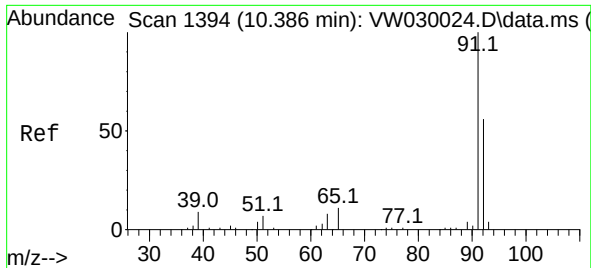
Tgt Ion: 75 Resp: 15993  
 Ion Ratio Lower Upper  
 75 100  
 77 30.6 22.8 42.4



#40  
 4-Methyl-2-pentanone  
 Concen: 3.498 ug/L  
 RT: 10.209 min Scan# 1365  
 Delta R.T. 0.000 min  
 Lab File: VSTD.D  
 Acq: 26 Aug 2024 11:14

Tgt Ion: 43 Resp: 8490  
 Ion Ratio Lower Upper  
 43 100  
 58 42.1 34.0 51.0  
 100 16.3 13.5 20.3





#42

Toluene

Concen: 2.357 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

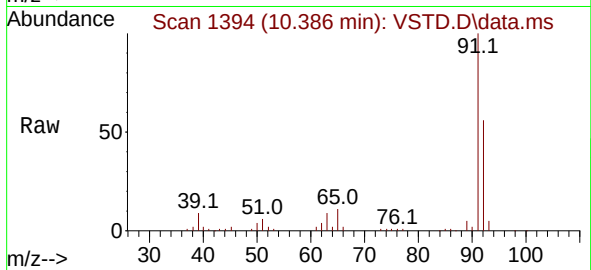
Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

ClientSampleId :

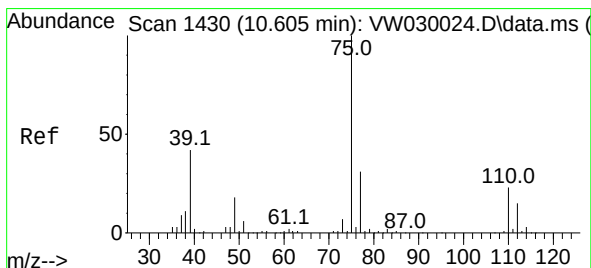
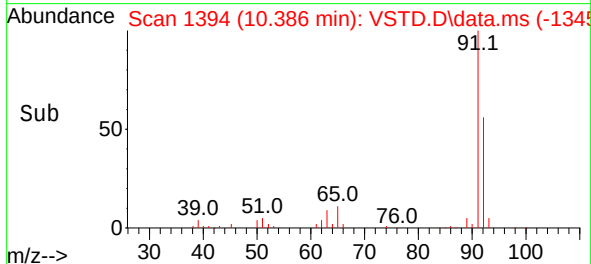
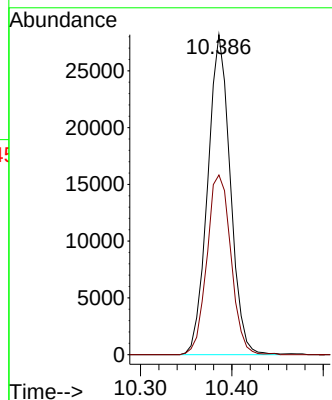


Tgt Ion: 91 Resp: 48336

Ion Ratio Lower Upper

91 100

92 56.1 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 1.997 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VSTD.D

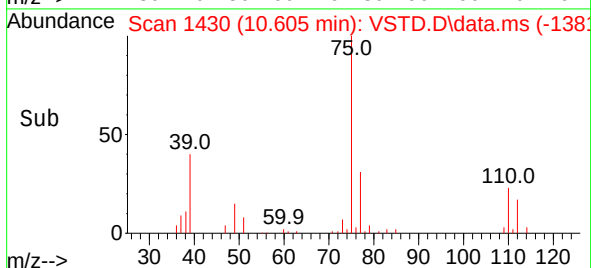
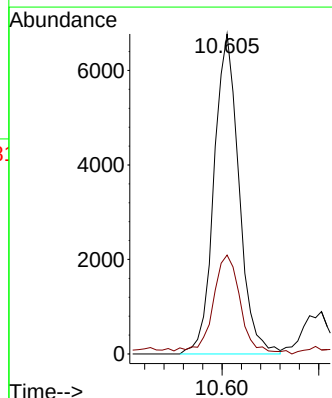
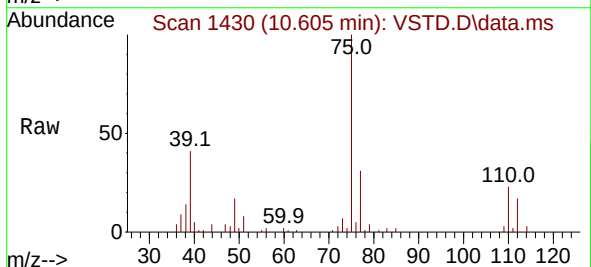
Acq: 26 Aug 2024 11:14

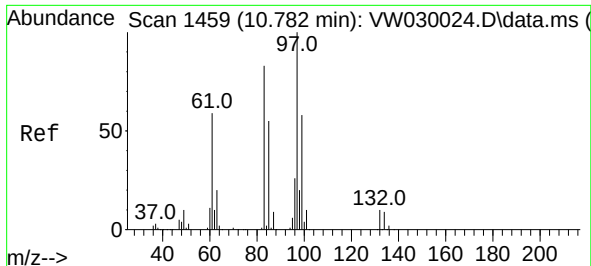
Tgt Ion: 75 Resp: 12130

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 2.345 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

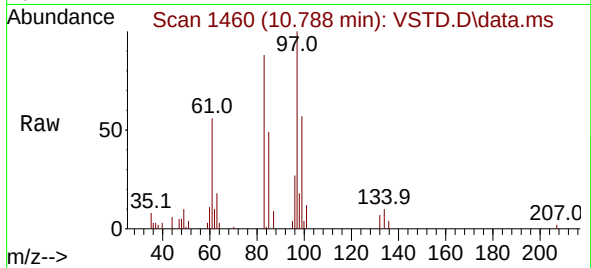
Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 97 Resp: 8382

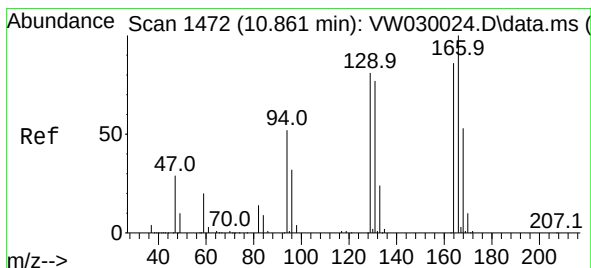
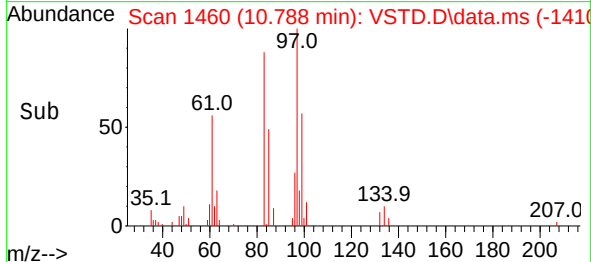
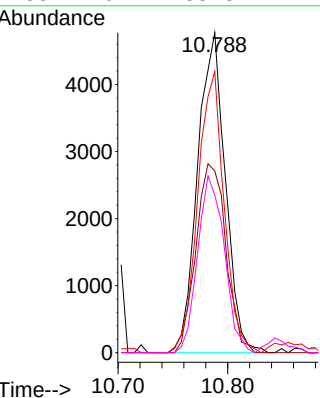
Ion Ratio Lower Upper

97 100

99 56.8 40.3 74.8

83 87.8 58.0 107.6

85 49.2 38.3 71.1



#46

Tetrachloroethene

Concen: 2.540 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Tgt Ion: 164 Resp: 9998

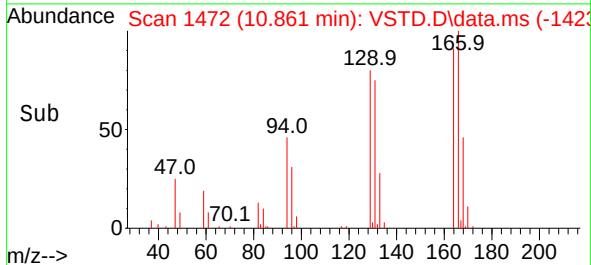
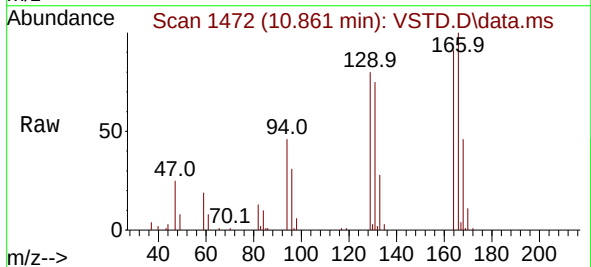
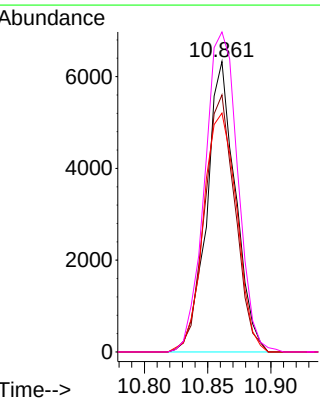
Ion Ratio Lower Upper

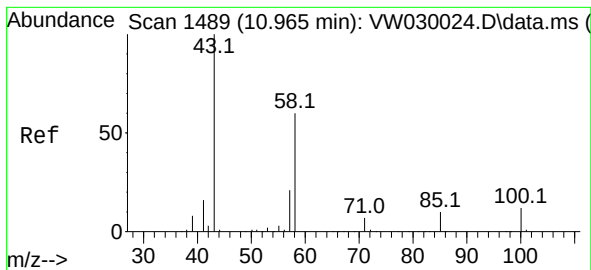
164 100

129 88.6 66.1 122.7

131 82.3 62.6 116.2

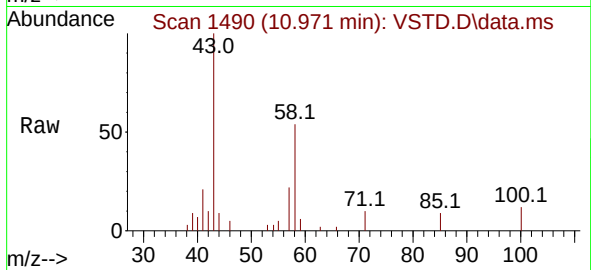
166 110.2 81.2 150.8



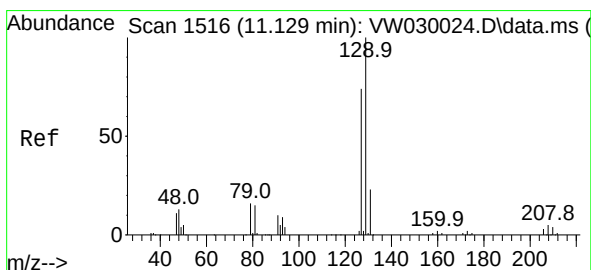
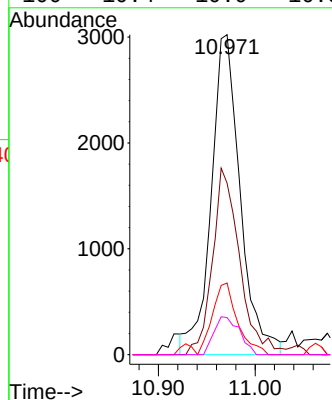
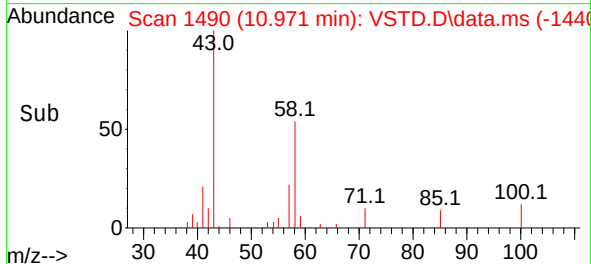


#48  
2-Hexanone  
Concen: 3.654 ug/L  
RT: 10.971 min Scan# 1489  
Delta R.T. 0.006 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

Instrument :  
MSVOA\_W  
ClientSampleId :

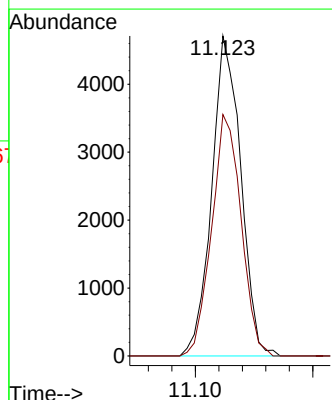
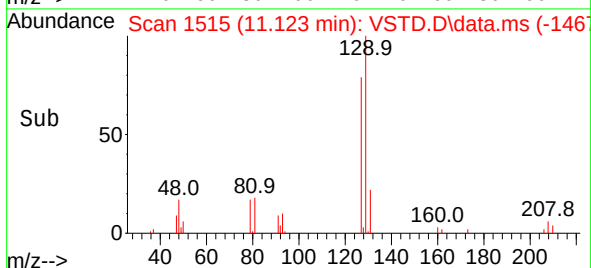
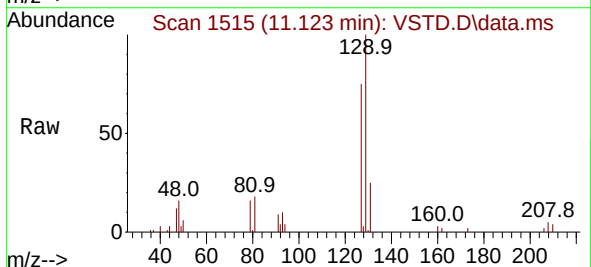


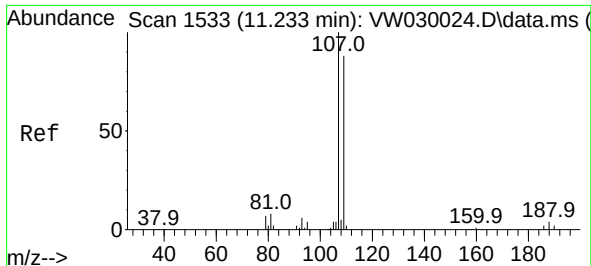
Tgt Ion: 43 Resp: 6305  
Ion Ratio Lower Upper  
43 100  
58 53.9 50.0 75.0  
57 19.3 17.3 25.9  
100 10.4 10.9 16.3#



#49  
Dibromochloromethane  
Concen: 2.126 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.006 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

Tgt Ion: 129 Resp: 8075  
Ion Ratio Lower Upper  
129 100  
127 75.5 51.8 96.2





#50

1,2-Dibromoethane

Concen: 2.136 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

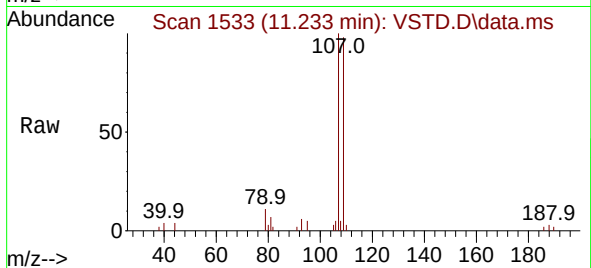
Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

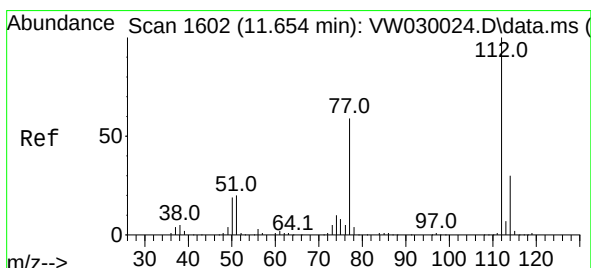
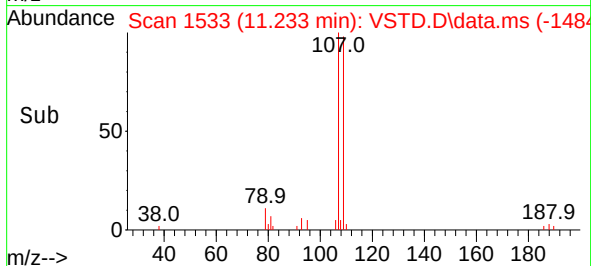
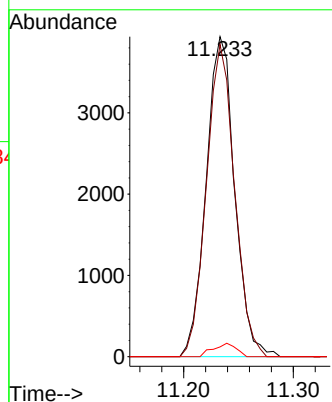
Instrument :

MSVOA\_W

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 7132  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 97.5  | 61.7  | 114.5 |
| 188      | 3.0   | 3.1   | 4.7#  |



#51

Chlorobenzene

Concen: 2.458 ug/L

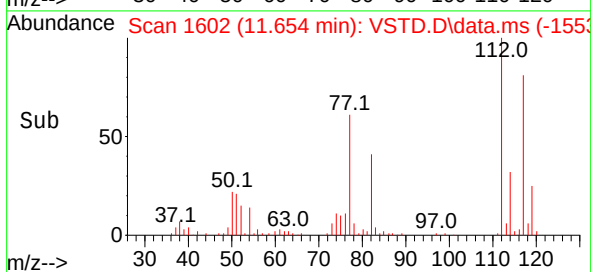
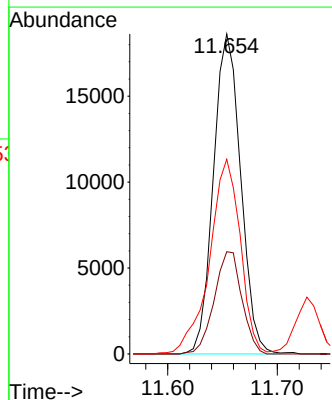
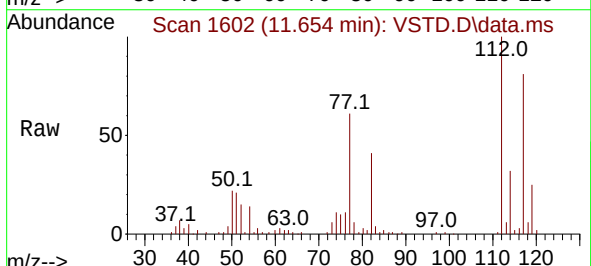
RT: 11.654 min Scan# 1602

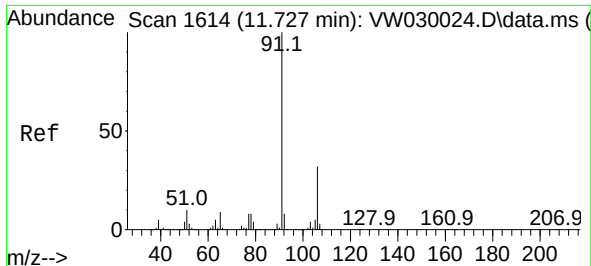
Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 32226 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 32.0  | 20.9  | 38.9  |
| 77       | 60.9  | 47.1  | 70.7  |





#52

Ethylbenzene

Concen: 2.395 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

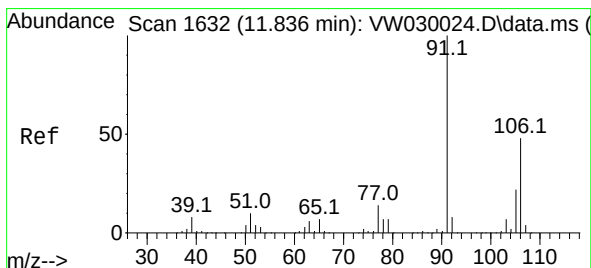
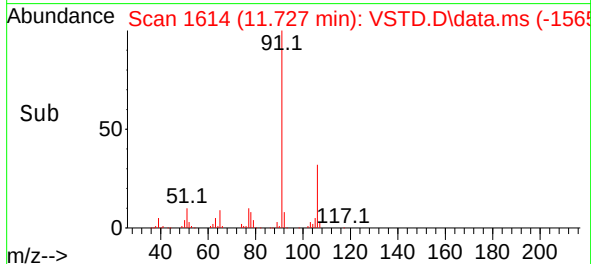
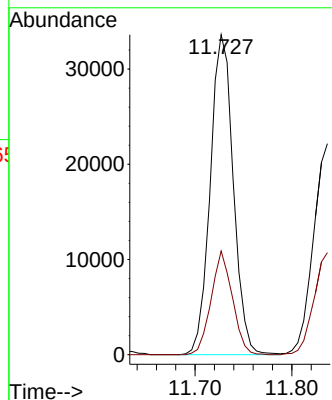
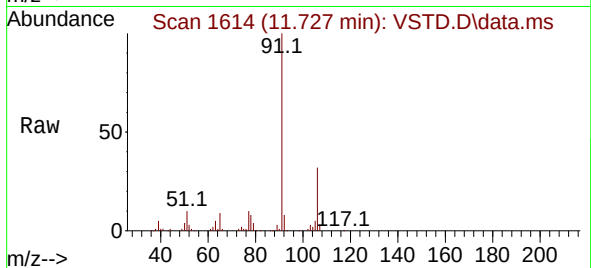
ClientSampleId :

Tgt Ion: 91 Resp: 55647

Ion Ratio Lower Upper

91 100

106 32.4 22.0 41.0



#53

m,p-Xylene

Concen: 2.336 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VSTD.D

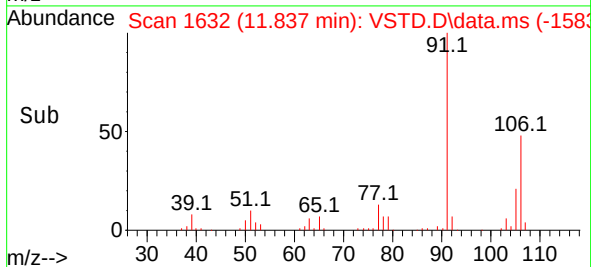
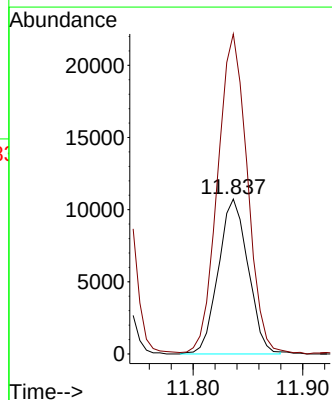
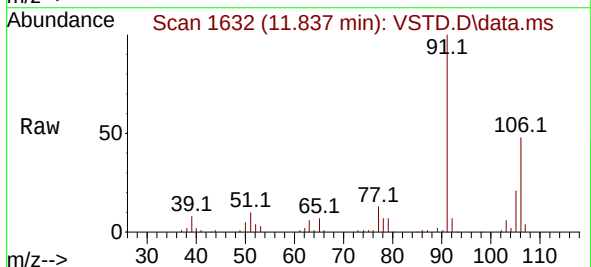
Acq: 26 Aug 2024 11:14

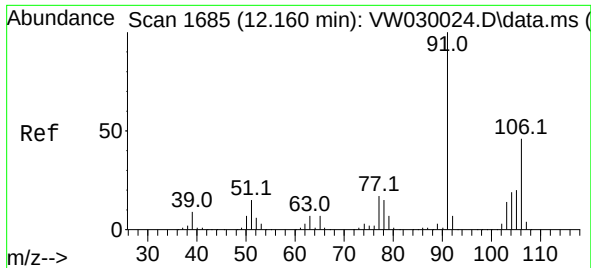
Tgt Ion: 106 Resp: 20252

Ion Ratio Lower Upper

106 100

91 206.7 146.7 272.4

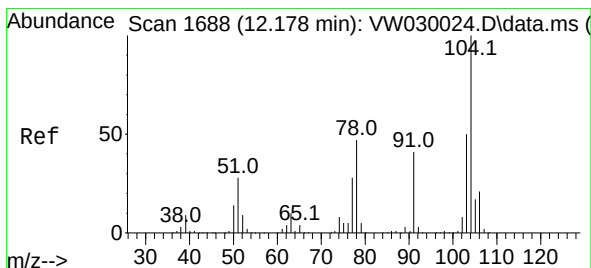
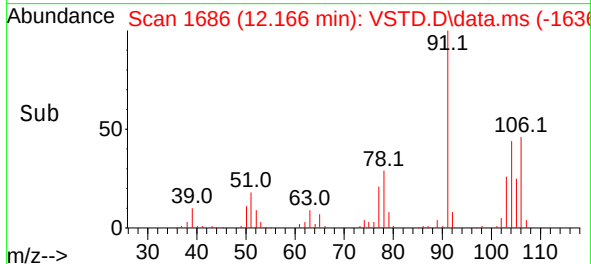
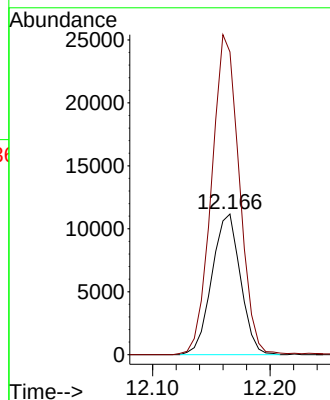
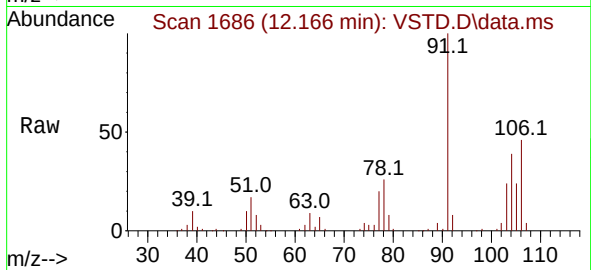




#54  
o-Xylene  
Concen: 2.264 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

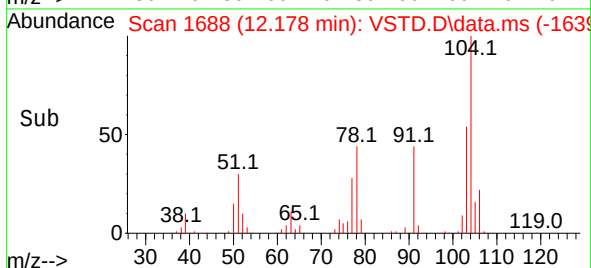
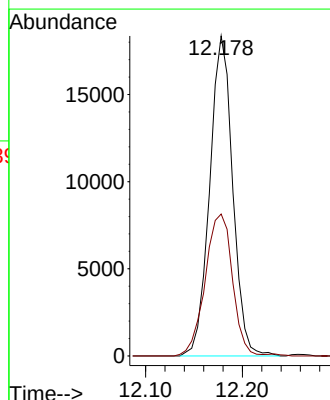
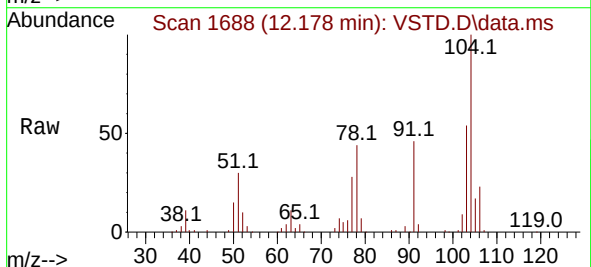
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:106 Resp: 18846  
Ion Ratio Lower Upper  
106 100  
91 215.2 153.9 285.7

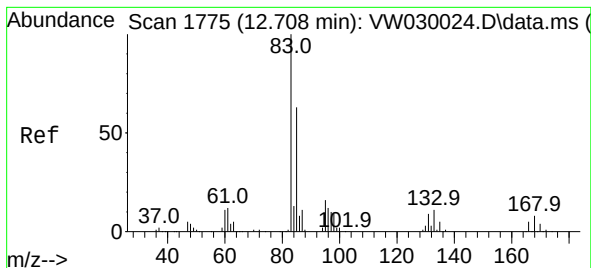


#55  
Styrene  
Concen: 2.176 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

Tgt Ion:104 Resp: 30341  
Ion Ratio Lower Upper  
104 100  
78 44.4 32.8 60.8



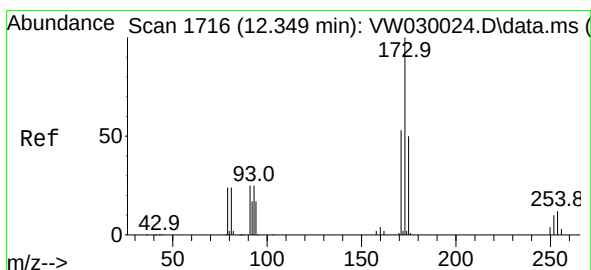
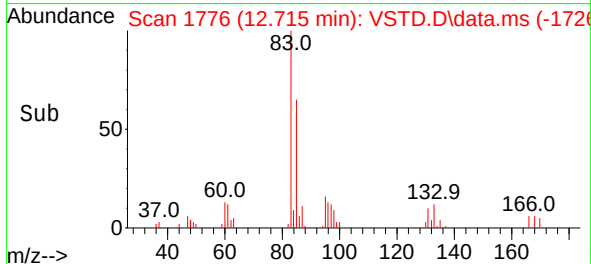
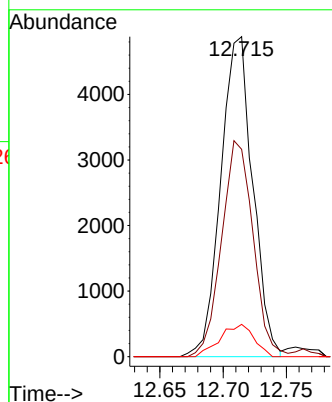
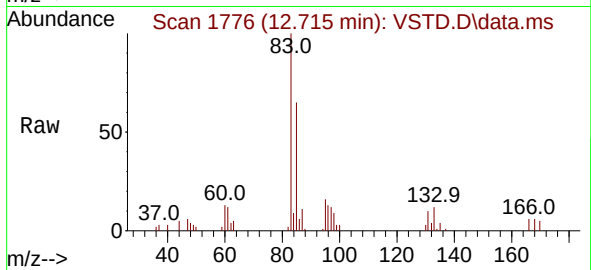




#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.130 ug/L  
RT: 12.715 min Scan# 1775  
Delta R.T. 0.006 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

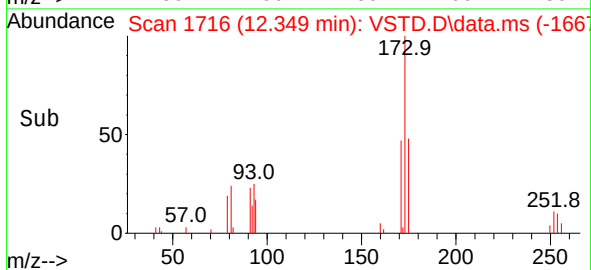
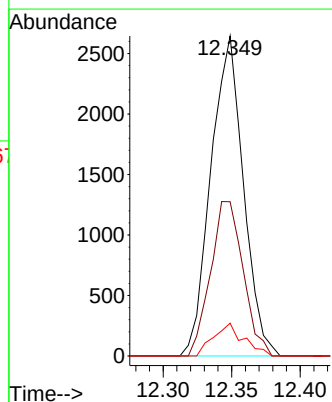
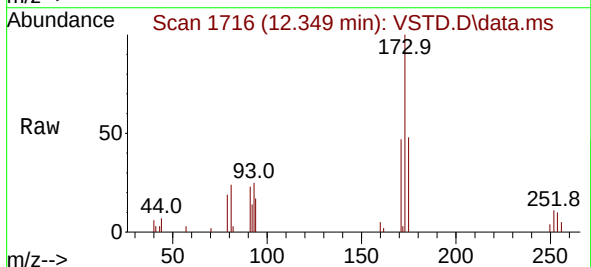
Instrument :  
MSVOA\_W  
ClientSampleId :

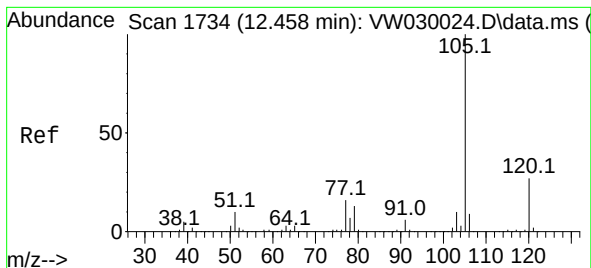
Tgt Ion: 83 Resp: 8571  
Ion Ratio Lower Upper  
83 100  
85 64.8 44.0 81.8  
131 10.1 7.3 10.9



#59  
Bromoform  
Concen: 2.066 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

Tgt Ion:173 Resp: 4370  
Ion Ratio Lower Upper  
173 100  
175 48.4 41.4 62.2  
254 9.5 8.6 13.0

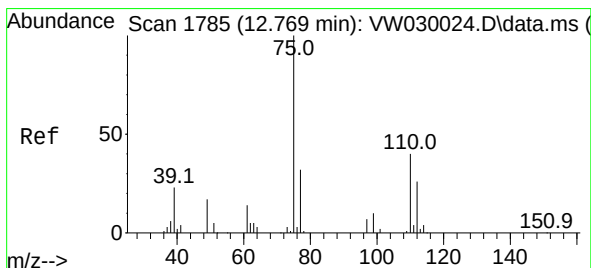
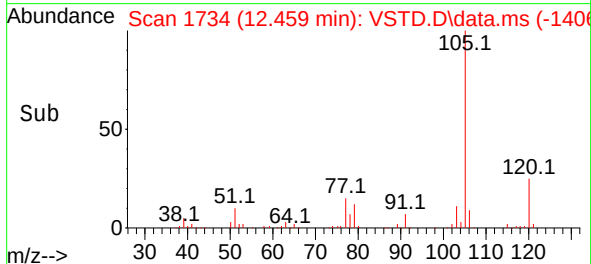
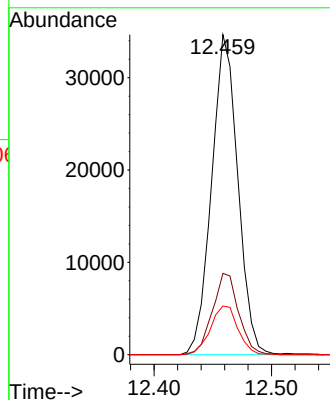
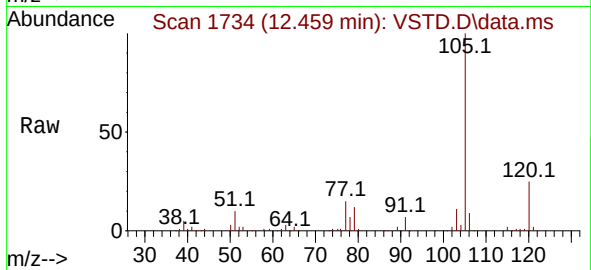




#60  
Isopropylbenzene  
Concen: 2.374 ug/L  
RT: 12.459 min Scan# 1734  
Delta R.T. 0.000 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

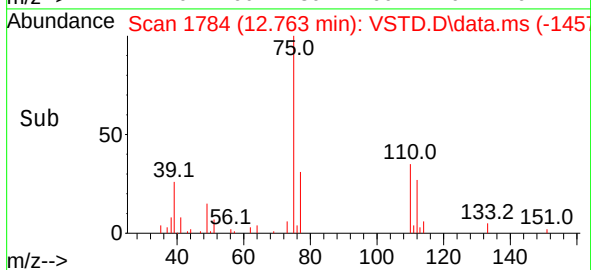
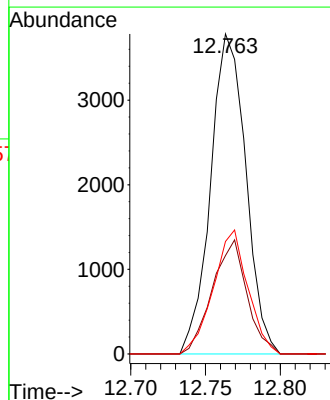
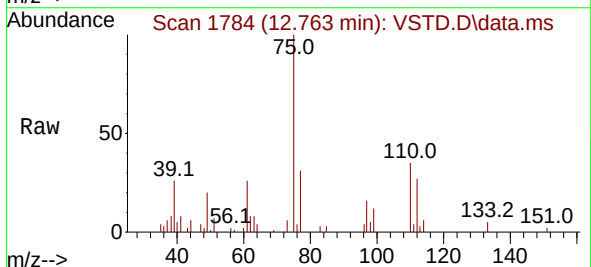
Instrument :  
MSVOA\_W  
ClientSampleId :

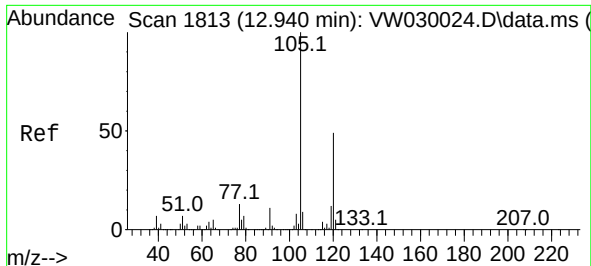
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 53798 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 25.4  | 20.6  | 30.8  |
| 77       | 15.9  | 12.6  | 18.8  |



#61  
1,2,3-Trichloropropane  
Concen: 2.147 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.006 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 6200  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 35.2  | 26.0  | 39.0  |
| 110      | 38.0  | 31.0  | 46.4  |





#62

1,3,5-Trimethylbenzene

Concen: 1.970 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

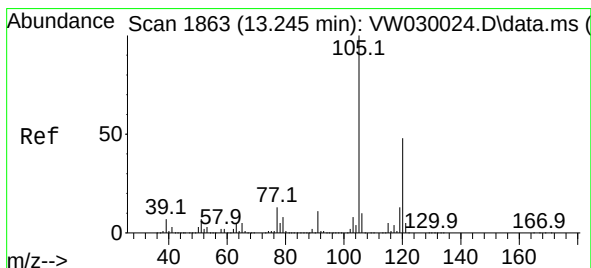
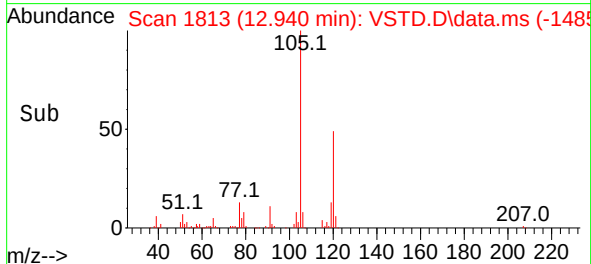
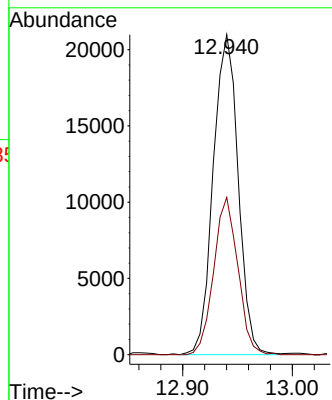
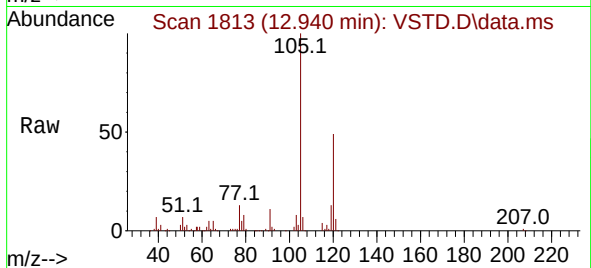
ClientSampleId :

Tgt Ion:105 Resp: 33200

Ion Ratio Lower Upper

105 100

120 47.5 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 2.270 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VSTD.D

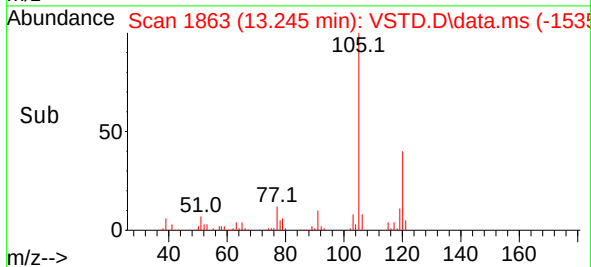
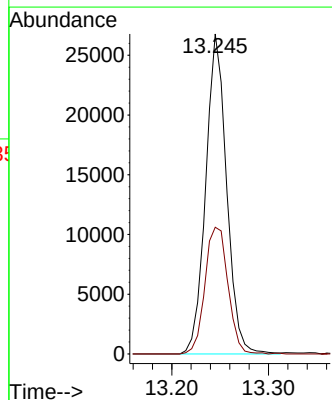
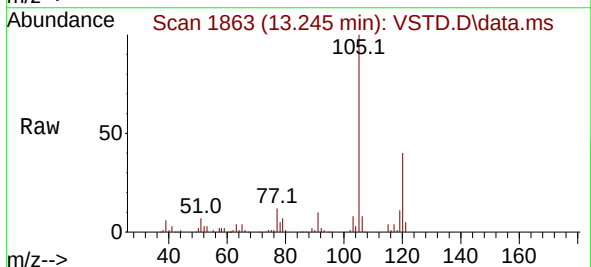
Acq: 26 Aug 2024 11:14

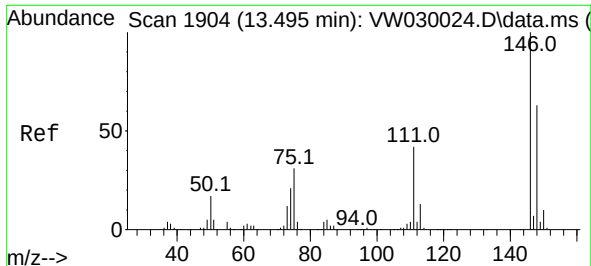
Tgt Ion:105 Resp: 40320

Ion Ratio Lower Upper

105 100

120 43.4 36.3 54.5





#64

1,3-Dichlorobenzene

Concen: 2.463 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

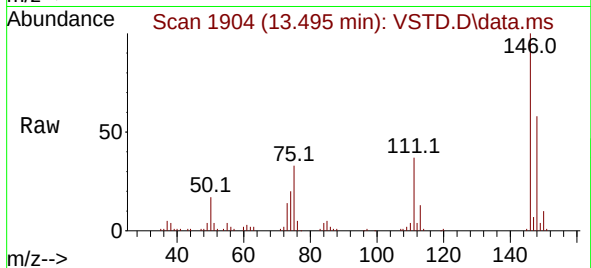
Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

ClientSampleId :



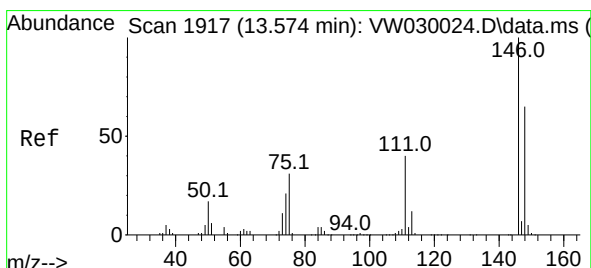
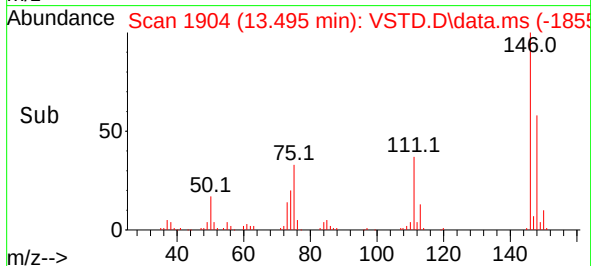
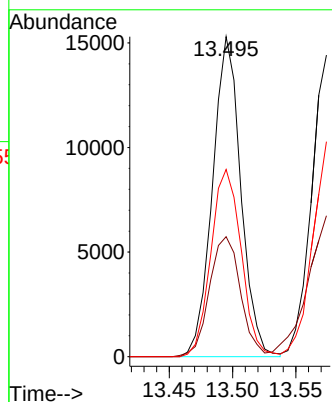
Tgt Ion:146 Resp: 23790

Ion Ratio Lower Upper

146 100

111 37.5 29.1 54.1

148 58.5 43.9 81.5



#65

1,4-Dichlorobenzene

Concen: 2.443 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

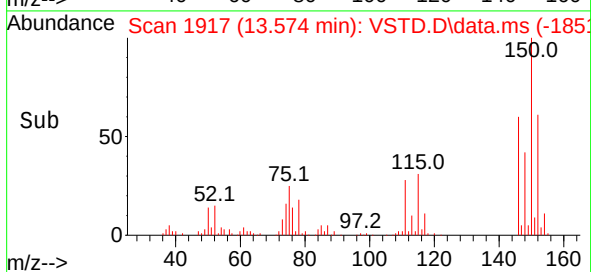
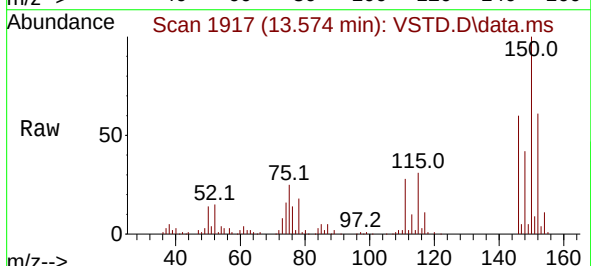
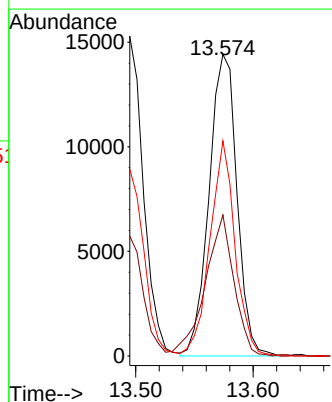
Tgt Ion:146 Resp: 23844

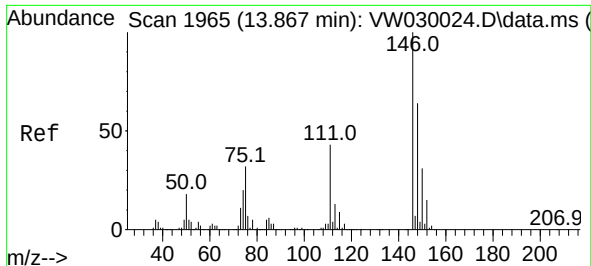
Ion Ratio Lower Upper

146 100

111 46.7 28.2 52.4

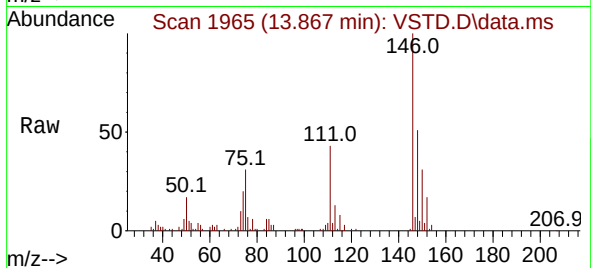
148 71.3 45.8 85.2



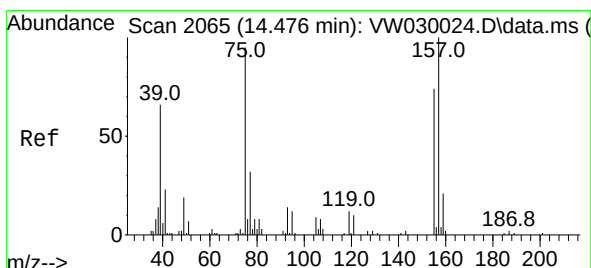
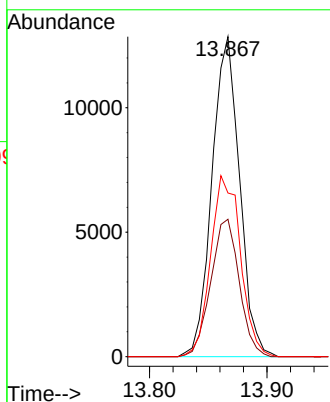
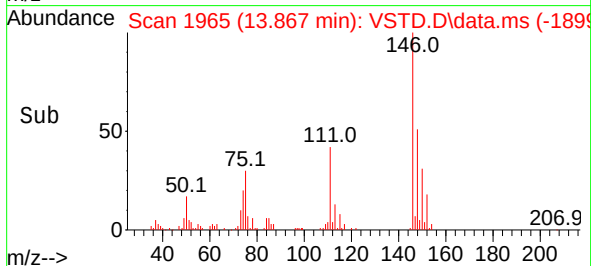


#67  
1,2-Dichlorobenzene  
Concen: 2.428 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. 0.000 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

Instrument :  
MSVOA\_W  
ClientSampleId :

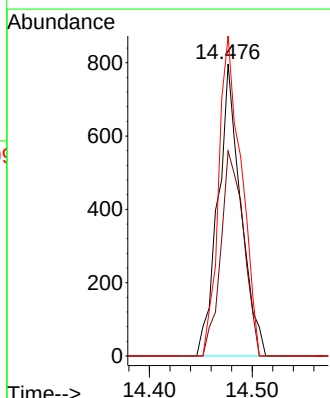
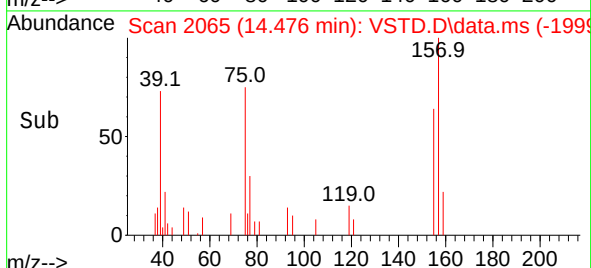
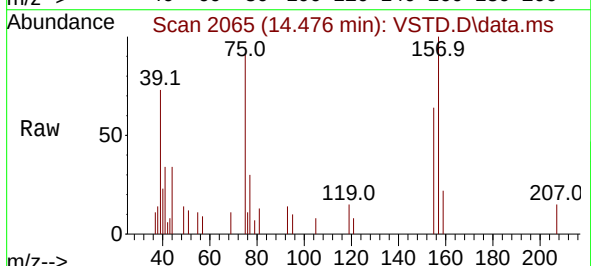


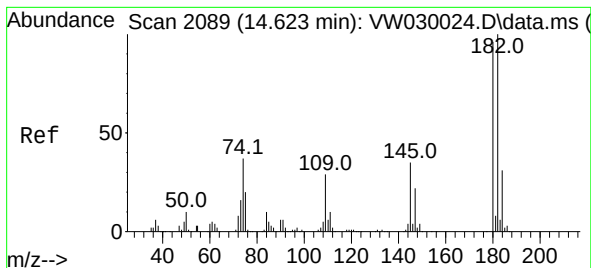
Tgt Ion:146 Resp: 20984  
Ion Ratio Lower Upper  
146 100  
111 43.0 34.7 52.1  
148 51.2 51.4 77.0#



#68  
1,2-Dibromo-3-chloropropane  
Concen: 1.980 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. 0.000 min  
Lab File: VSTD.D  
Acq: 26 Aug 2024 11:14

Tgt Ion: 75 Resp: 1224  
Ion Ratio Lower Upper  
75 100  
155 70.2 62.8 94.2  
157 109.7 84.3 126.5





#69

1,3,5-Trichlorobenzene

Concen: 2.567 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

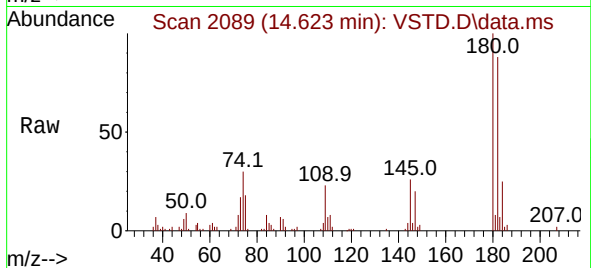
Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 16192

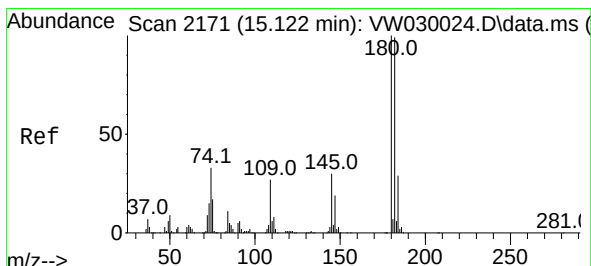
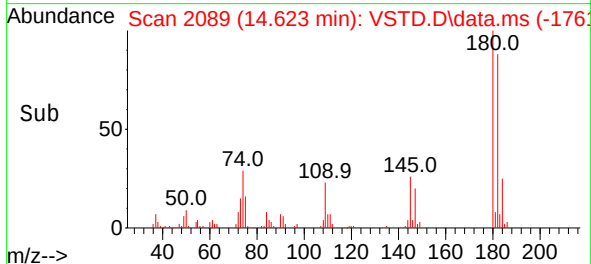
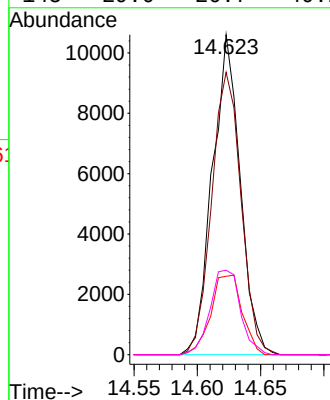
Ion Ratio Lower Upper

180 100

182 93.3 79.7 119.5

184 28.1 25.1 37.7

145 29.0 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 2.326 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

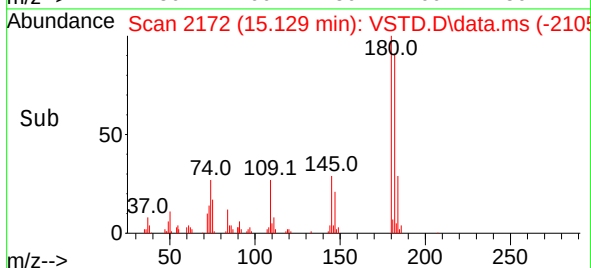
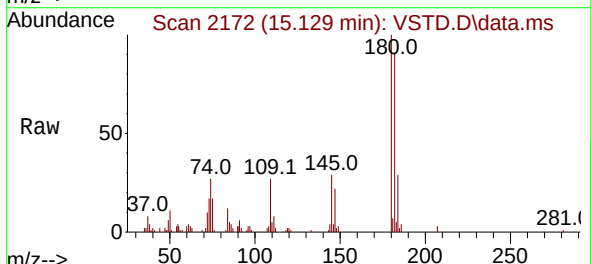
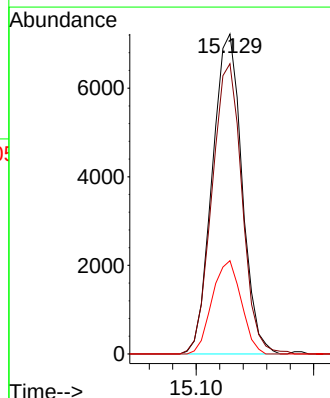
Tgt Ion:180 Resp: 12698

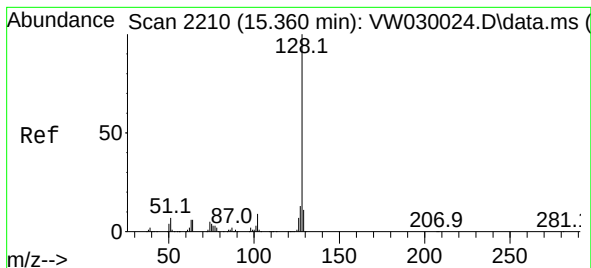
Ion Ratio Lower Upper

180 100

182 91.5 75.3 112.9

145 28.5 24.7 37.1





#71

Naphthalene

Concen: 1.947 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Instrument :

MSVOA\_W

ClientSampleId :

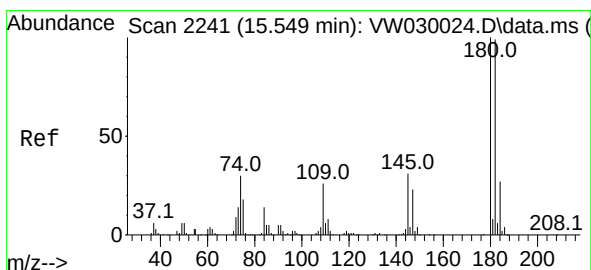
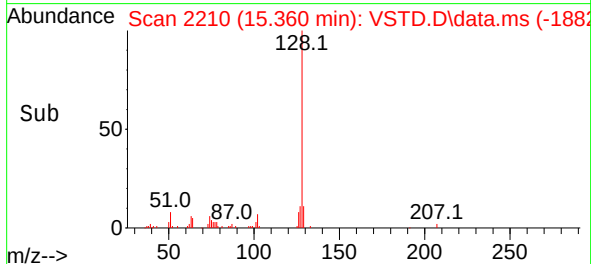
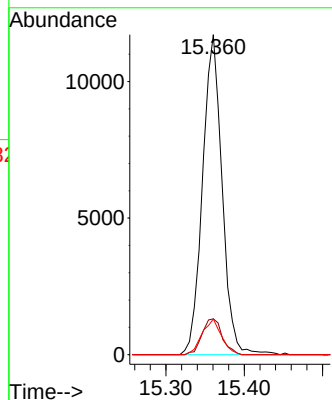
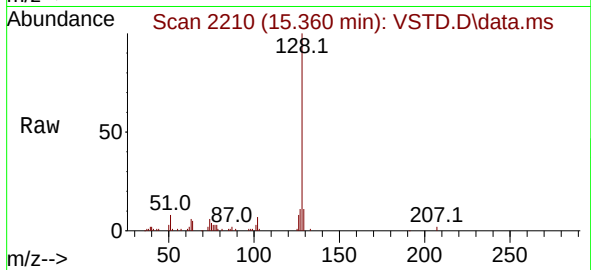
Tgt Ion:128 Resp: 20291

Ion Ratio Lower Upper

128 100

127 11.6 10.6 15.8

129 11.0 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 2.289 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 26 Aug 2024 11:14

Tgt Ion:180 Resp: 10970

Ion Ratio Lower Upper

180 100

182 90.6 77.2 115.8

145 33.6 26.5 39.7

