

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100722\  
 Data File : VW024796.D  
 Acq On : 07 Oct 2022 19:17  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025589

Quant Time: Oct 07 23:20:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 07 03:04:02 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 488742   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 454135   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 222595   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 114046   | 22.303   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.200%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 69891    | 23.520   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 94.080%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 276046   | 23.324   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 93.280%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 103721   | 56.418   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.840% |
| 24) Chloroform-d              | 7.653  | 84    | 334812   | 25.625   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 102.480% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 173243   | 25.560   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 102.240% |
| 32) Benzene-d6                | 8.275  | 84    | 646838   | 22.284   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 89.120%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 209035   | 23.570   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 94.280%  |
| 41) Toluene-d8                | 10.323 | 98    | 558485   | 21.527   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 86.120%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 77557    | 19.637   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 78.560%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 82494    | 54.365   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 108.740% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 178417   | 28.234   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 112.920% |
| 66) 1,2-Dichlorobenzene-d4    | 13.847 | 152   | 188311   | 24.041   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 96.160%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 51356    | 17.115   | ug/L   | 94       |
| 3) Chloromethane              | 2.215  | 50    | 128412   | 21.976   | ug/L   | 95       |
| 5) Vinyl chloride             | 2.361  | 62    | 192187   | 31.988   | ug/L   | 99       |
| 6) Bromomethane               | 2.782  | 94    | 88455    | 31.901   | ug/L   | 90       |
| 8) Chloroethane               | 2.922  | 64    | 74516    | 29.419   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 87239    | 25.955   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 185278   | 28.902   | ug/L # | 77       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 182449   | 28.536   | ug/L   | 88       |
| 13) Acetone                   | 4.135  | 43    | 61388    | 45.766   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.385  | 76    | 568997   | 28.190   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.678  | 43    | 93206    | 31.381   | ug/L   | 99       |
| 16) Methylene chloride        | 4.922  | 84    | 202602   | 21.108   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.421  | 96    | 203618   | 28.344   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 331606   | 29.113   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 389914   | 29.011   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 225274   | 29.226   | ug/L   | 95       |
| 22) 2-Butanone                | 7.177  | 43    | 115891   | 54.017   | ug/L   | 100      |
| 23) Bromochloromethane        | 7.519  | 128   | 96458    | 30.790   | ug/L   | 88       |
| 25) Chloroform                | 7.677  | 83    | 381297   | 29.918   | ug/L   | 98       |

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 ALS Vial : 1 Sample Multiplier: 1

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 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 07 03:04:02 2022  
 Response via : Initial Calibration

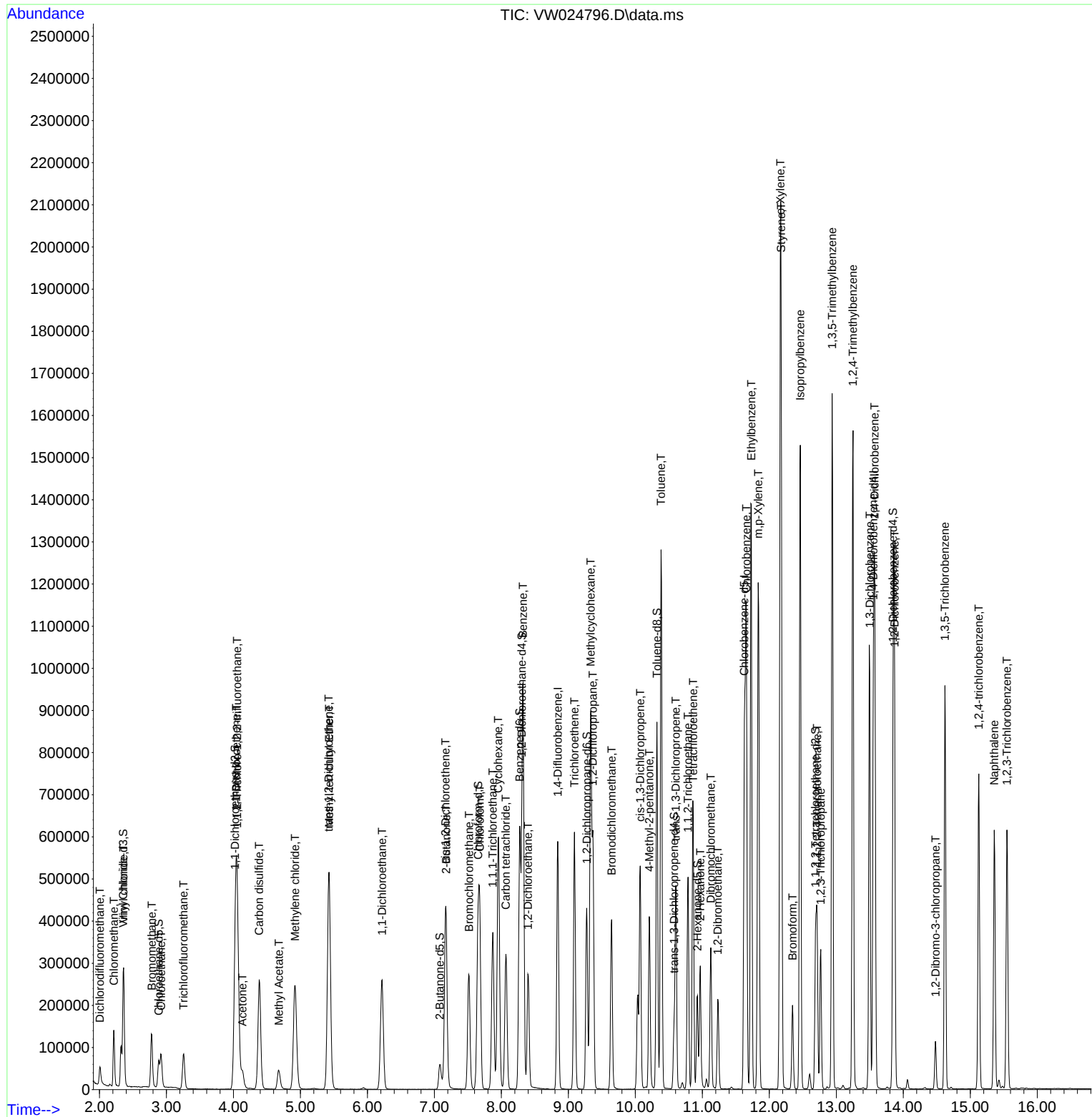
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 249088   | 31.060 | ug/L  | 99       |
| 29) Cyclohexane               | 7.951  | 56   | 353372   | 24.983 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 292534   | 26.620 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 246307   | 26.468 | ug/L  | 100      |
| 33) Benzene                   | 8.323  | 78   | 877313   | 27.601 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 219937   | 27.300 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.335  | 83   | 375964   | 25.458 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 224166   | 28.567 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 273891   | 28.375 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 316334   | 25.493 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 276233   | 59.473 | ug/L  | 99       |
| 42) Toluene                   | 10.384 | 91   | 915849   | 27.902 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 263884   | 24.804 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 157827   | 29.446 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.866 | 164  | 144072   | 26.320 | ug/L  | 89       |
| 48) 2-Hexanone                | 10.969 | 43   | 187757   | 59.781 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 174834   | 28.968 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 148697   | 29.310 | ug/L  | 100      |
| 51) Chlorobenzene             | 11.658 | 112  | 575954   | 28.658 | ug/L  | 94       |
| 52) Ethylbenzene              | 11.731 | 91   | 1006892  | 27.849 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.835 | 106  | 385795   | 27.326 | ug/L  | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 371155   | 27.839 | ug/L  | 95       |
| 55) Styrene                   | 12.176 | 104  | 650528   | 28.944 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 196690   | 31.341 | ug/L  | 100      |
| 59) Bromoform                 | 12.347 | 173  | 87177    | 27.706 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 1005444  | 27.714 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 142055   | 29.626 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 867491   | 27.511 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 859551   | 27.825 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 402866   | 27.333 | ug/L  | 90       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 388646   | 27.087 | ug/L  | 93       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 358450   | 27.921 | ug/L  | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 31032    | 27.368 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 255007   | 26.058 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 213345   | 25.950 | ug/L  | 98       |
| 71) Naphthalene               | 15.359 | 128  | 505930   | 28.263 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 190663   | 27.249 | ug/L  | 97       |

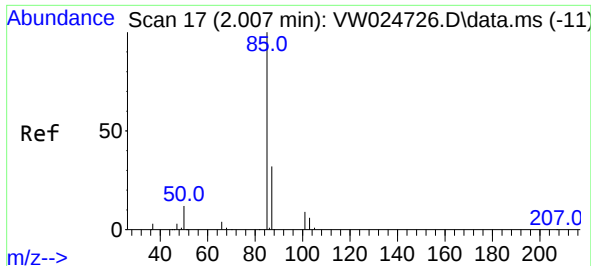
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 07 03:04:02 2022  
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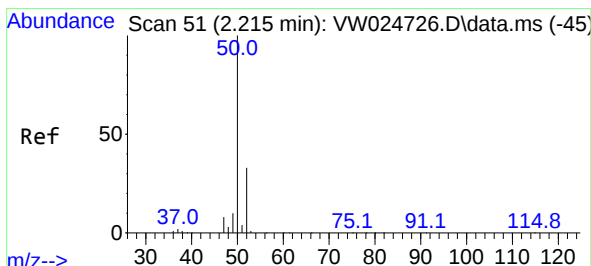
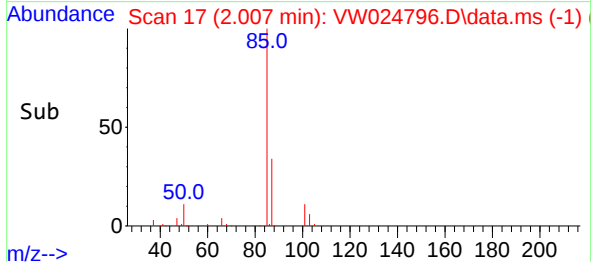
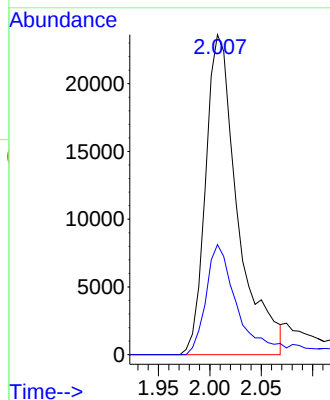
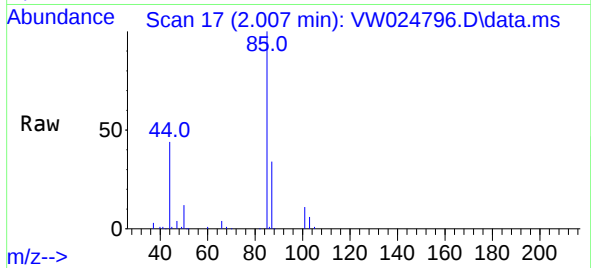




#2  
Dichlorodifluoromethane  
Concen: 17.115 ug/L  
RT: 2.007 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

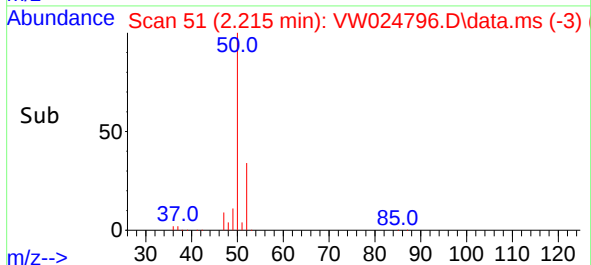
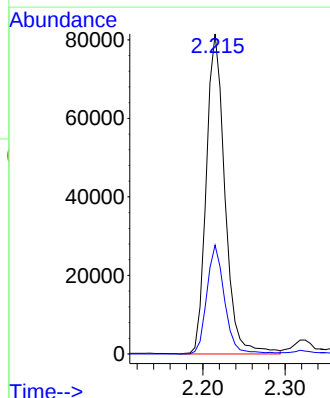
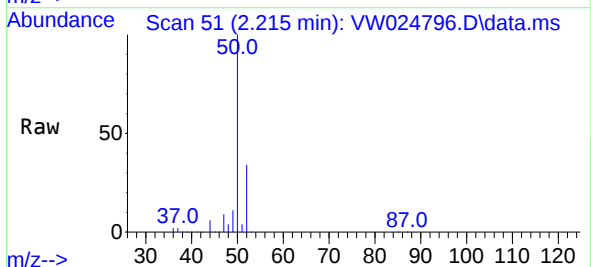
Instrument :  
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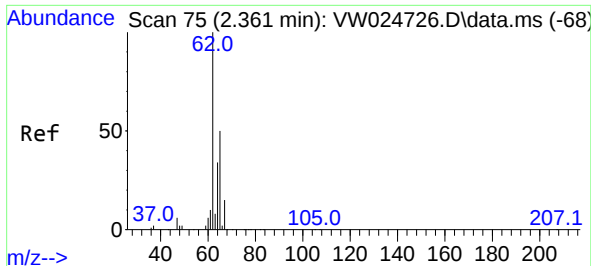
Tgt Ion: 85 Resp: 51356  
Ion Ratio Lower Upper  
85 100  
87 32.3 28.8 43.2



#3  
Chloromethane  
Concen: 21.976 ug/L  
RT: 2.215 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion: 50 Resp: 128412  
Ion Ratio Lower Upper  
50 100  
52 34.0 21.7 40.3

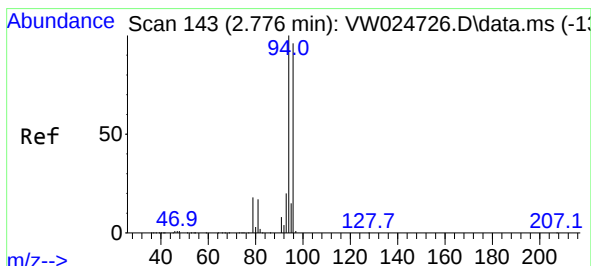
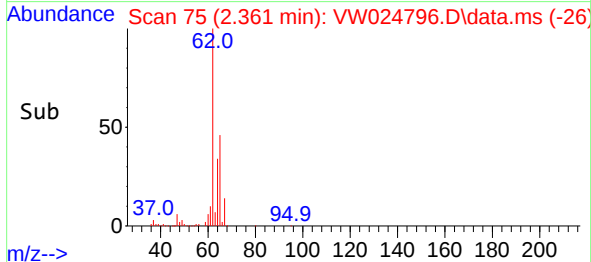
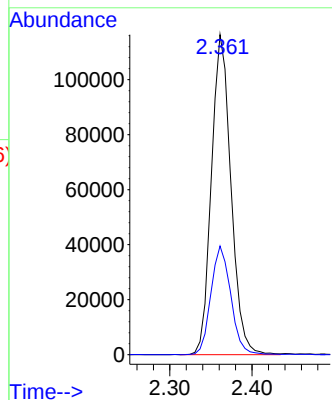
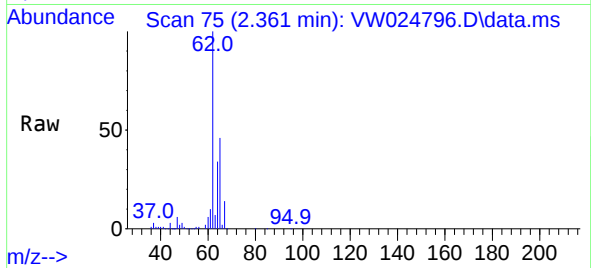




#5  
 Vinyl chloride  
 Concen: 31.988 ug/L  
 RT: 2.361 min Scan# 75  
 Delta R.T. -0.000 min  
 Lab File: VW024796.D  
 Acq: 07 Oct 2022 19:17

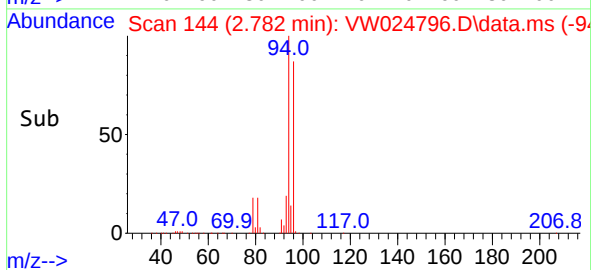
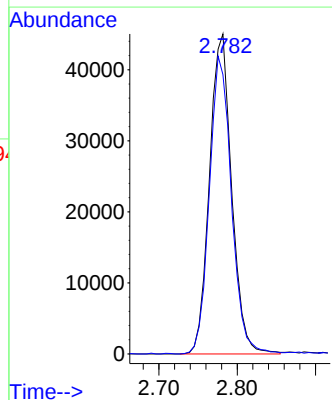
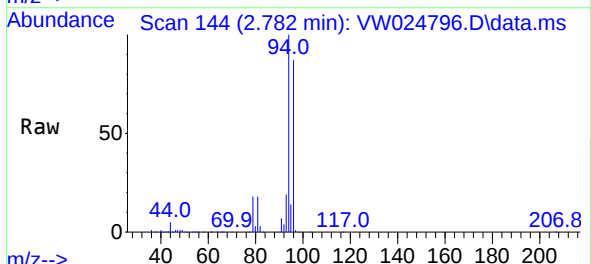
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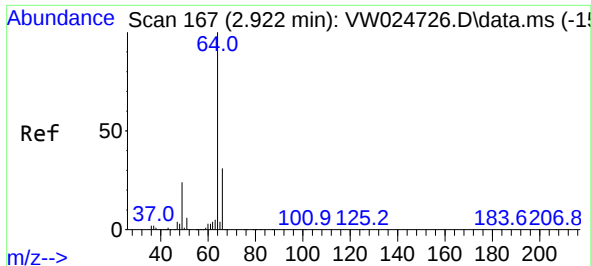
Tgt Ion: 62 Resp: 192187  
 Ion Ratio Lower Upper  
 62 100  
 64 34.0 24.4 45.2



#6  
 Bromomethane  
 Concen: 31.901 ug/L  
 RT: 2.782 min Scan# 144  
 Delta R.T. 0.006 min  
 Lab File: VW024796.D  
 Acq: 07 Oct 2022 19:17

Tgt Ion: 94 Resp: 88455  
 Ion Ratio Lower Upper  
 94 100  
 96 87.3 68.0 126.2

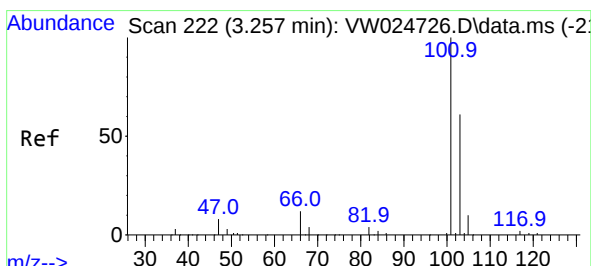
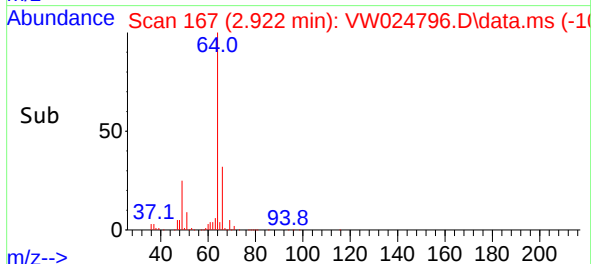
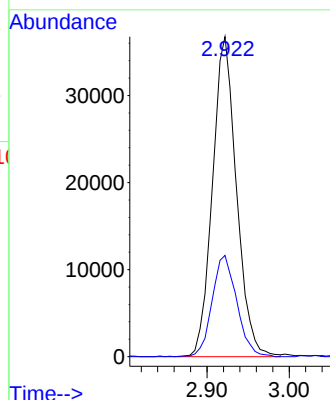
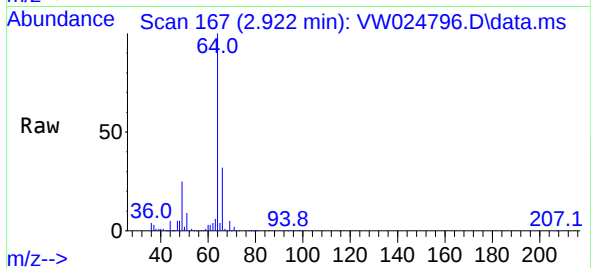




#8  
Chloroethane  
Concen: 29.419 ug/L  
RT: 2.922 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

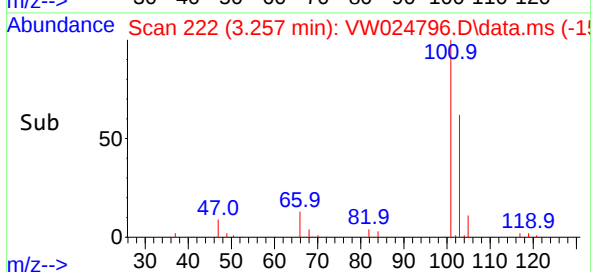
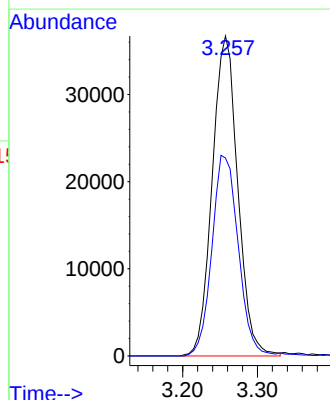
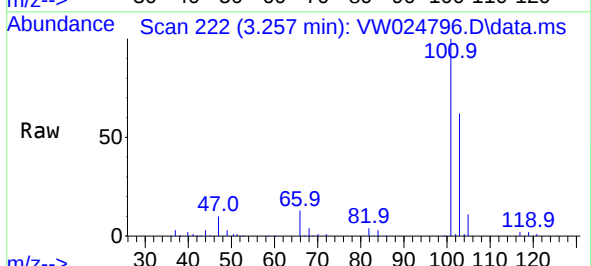
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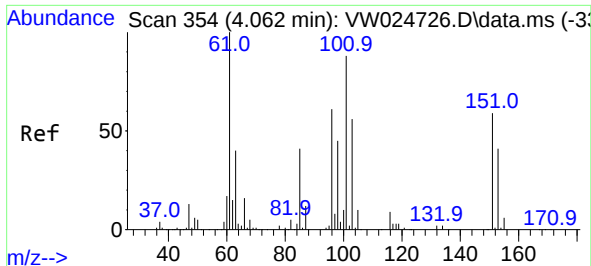
Tgt Ion: 64 Resp: 74516  
Ion Ratio Lower Upper  
64 100  
66 31.7 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 25.955 ug/L  
RT: 3.257 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion: 101 Resp: 87239  
Ion Ratio Lower Upper  
101 100  
103 64.5 53.4 80.2

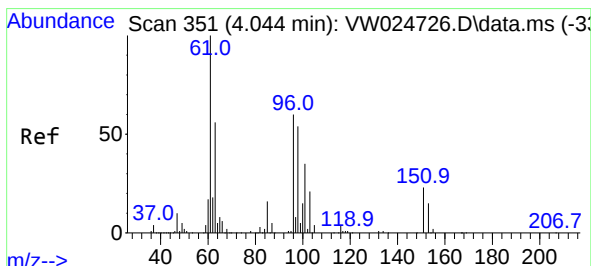
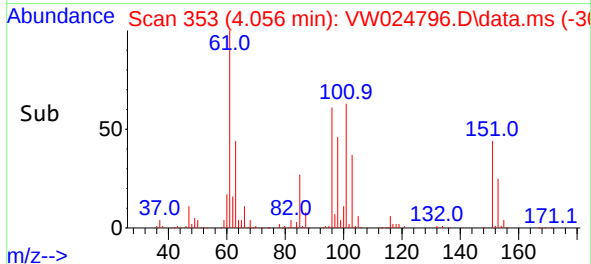
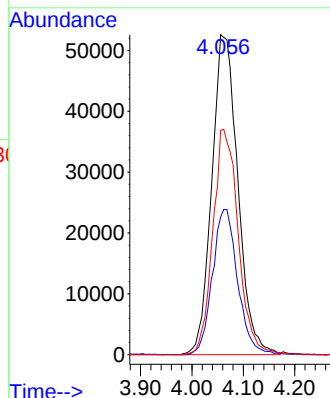
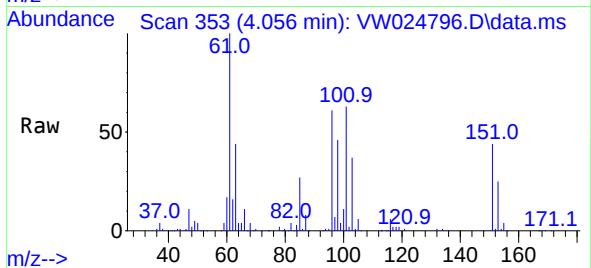




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 28.902 ug/L  
RT: 4.056 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

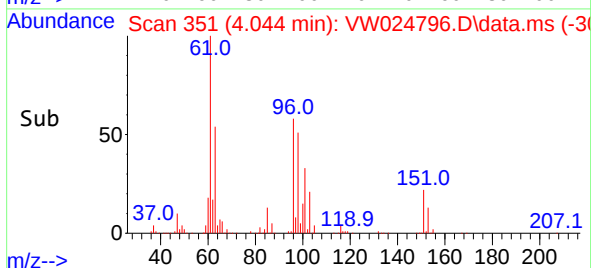
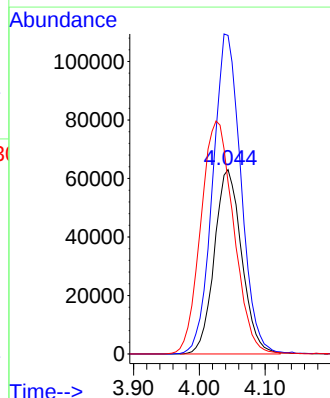
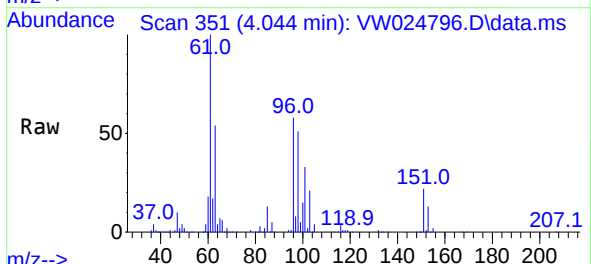
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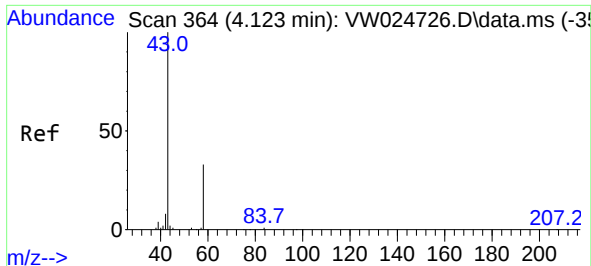
Tgt Ion:101 Resp: 185278  
Ion Ratio Lower Upper  
101 100  
85 43.7 34.9 52.3  
151 68.5 30.9 46.3#



#12  
1,1-Dichloroethene  
Concen: 28.536 ug/L  
RT: 4.044 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
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Tgt Ion: 96 Resp: 182449  
Ion Ratio Lower Upper  
96 100  
61 172.7 124.5 231.1  
63 93.2 84.1 156.1

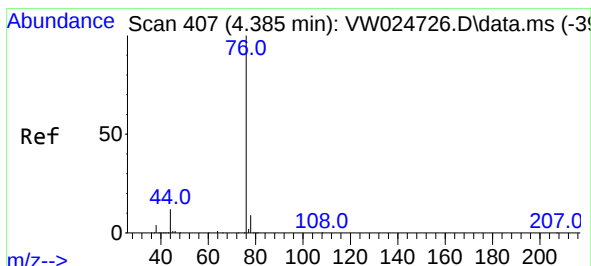
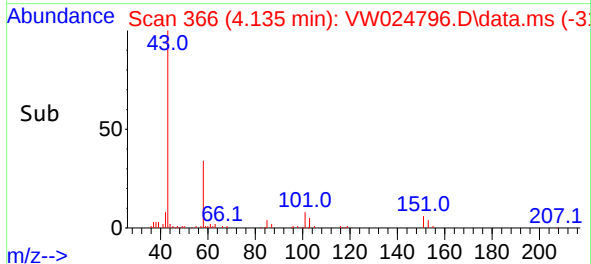
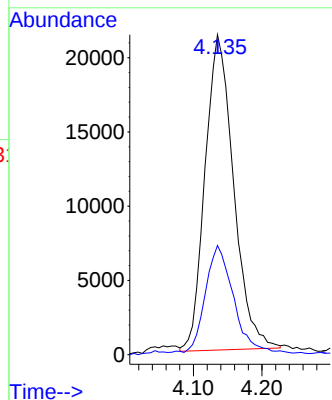
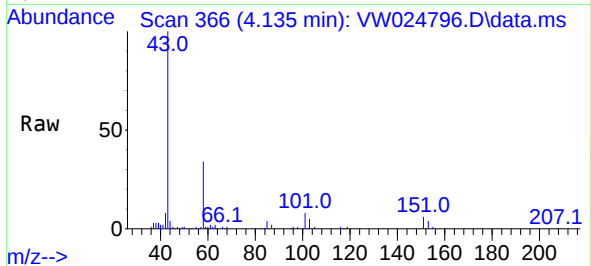




#13  
Acetone  
Concen: 45.766 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. 0.012 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

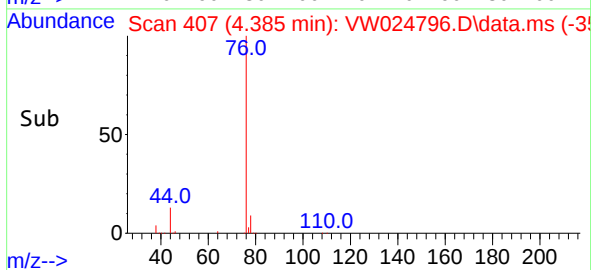
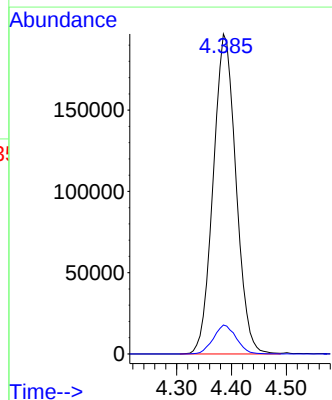
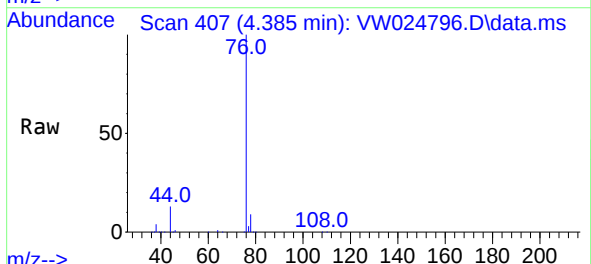
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

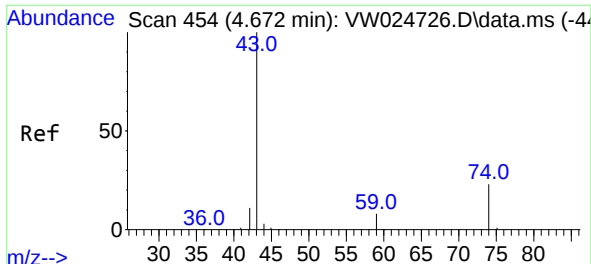
Tgt Ion: 43 Resp: 61388  
Ion Ratio Lower Upper  
43 100  
58 34.7 0.0 67.6



#14  
Carbon disulfide  
Concen: 28.190 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion: 76 Resp: 568997  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.2 10.8

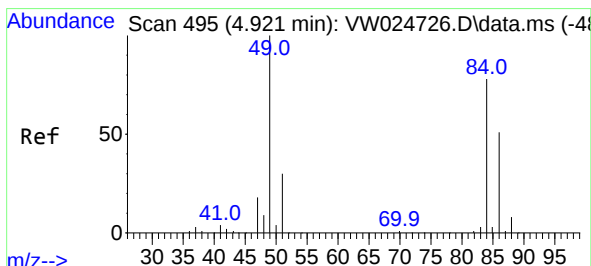
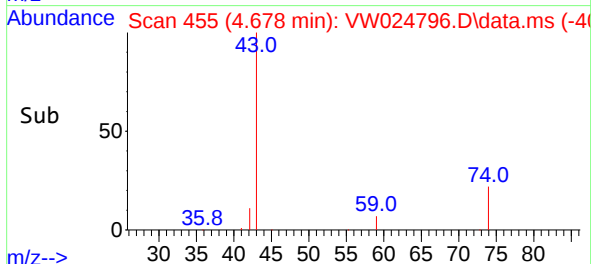
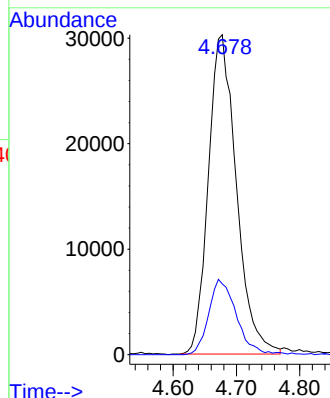
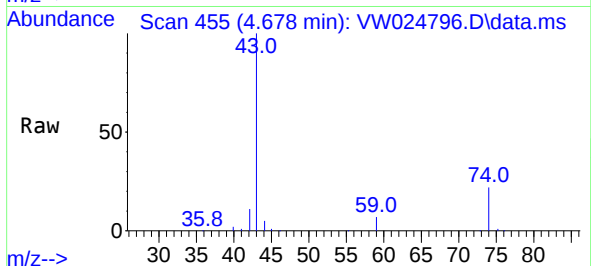




#15  
Methyl Acetate  
Concen: 31.381 ug/L  
RT: 4.678 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

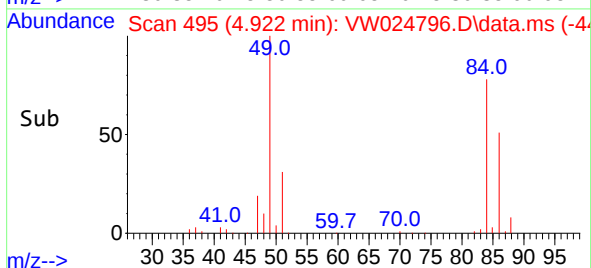
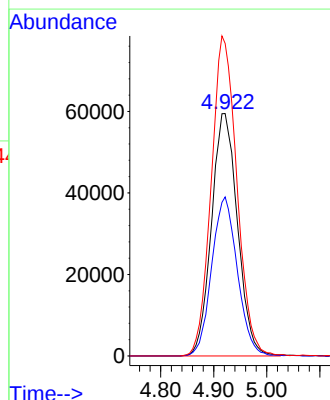
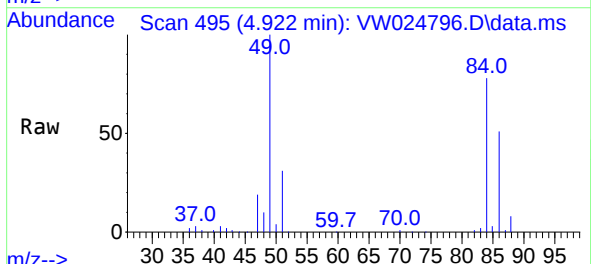
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

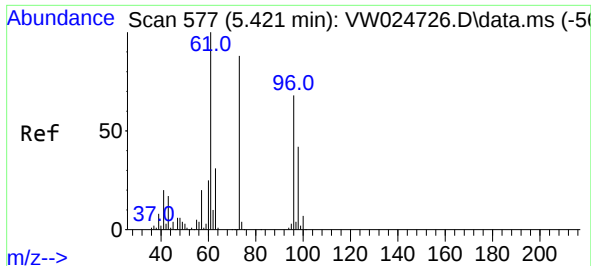
Tgt Ion: 43 Resp: 93206  
Ion Ratio Lower Upper  
43 100  
74 23.1 18.1 27.1



#16  
Methylene chloride  
Concen: 21.108 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

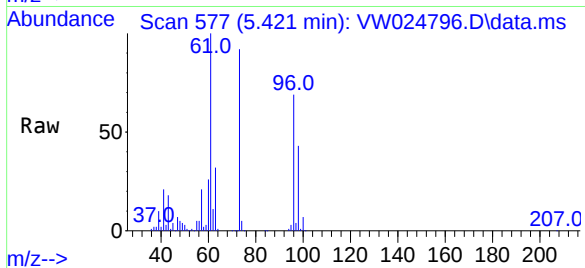
Tgt Ion: 84 Resp: 202602  
Ion Ratio Lower Upper  
84 100  
86 65.6 44.0 81.8  
49 128.9 87.4 162.2





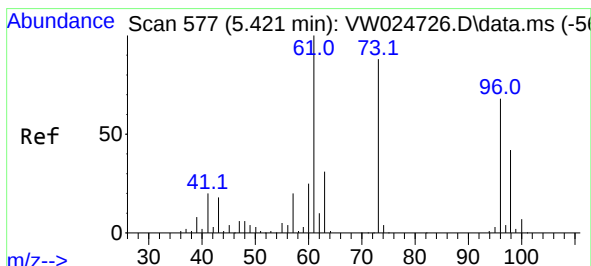
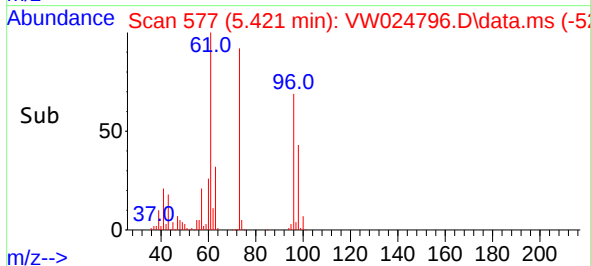
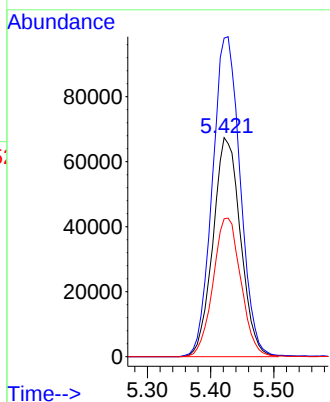
#17  
trans-1,2-Dichloroethene  
Concen: 28.344 ug/L  
RT: 5.421 min Scan# 577  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589



Tgt Ion: 96 Resp: 203618

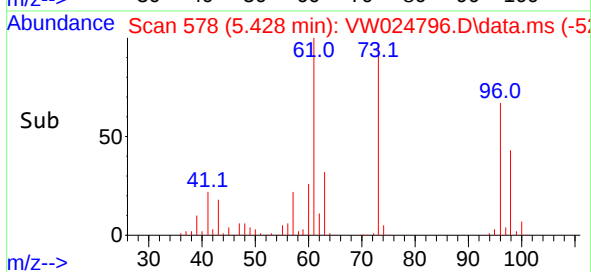
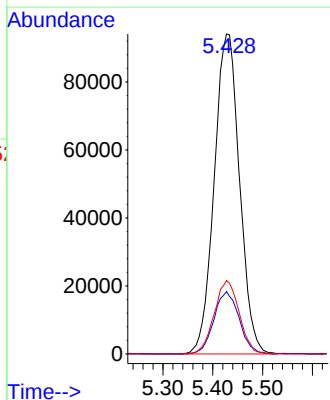
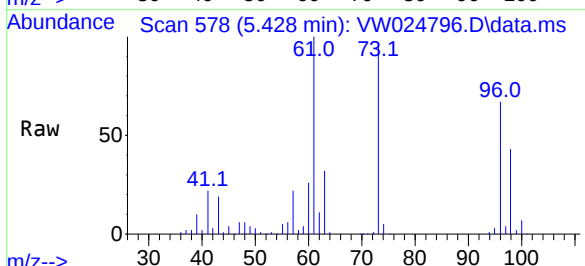
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 145.5 | 106.3 | 197.5 |
| 98  | 63.0  | 45.1  | 83.9  |

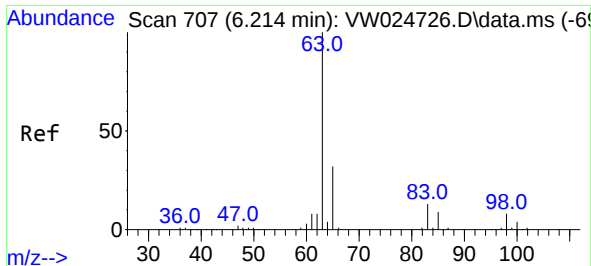


#18  
Methyl tert-butyl Ether  
Concen: 29.113 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion: 73 Resp: 331606

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 19.5  | 15.6  | 23.4  |
| 57  | 22.6  | 18.3  | 27.5  |





#19

1,1-Dichloroethane

Concen: 29.011 ug/L

RT: 6.220 min Scan# 707

Delta R.T. 0.006 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025589

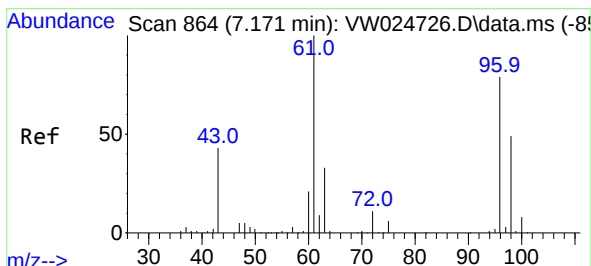
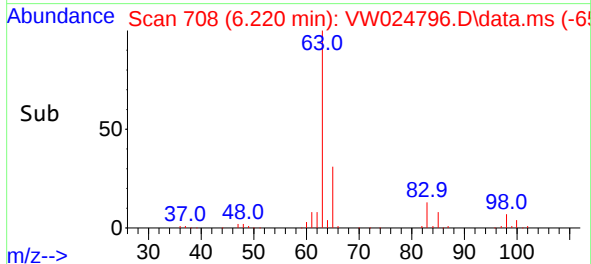
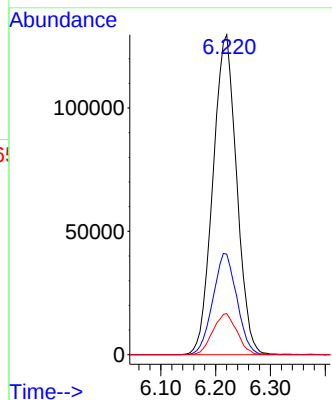
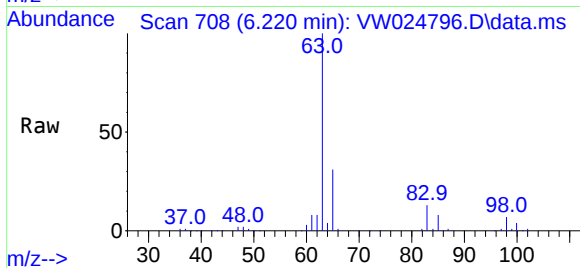
Tgt Ion: 63 Resp: 389914

Ion Ratio Lower Upper

63 100

65 31.4 23.7 43.9

83 12.9 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 29.226 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

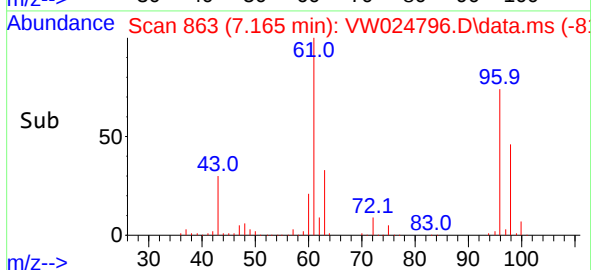
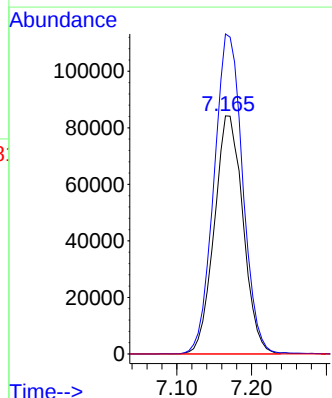
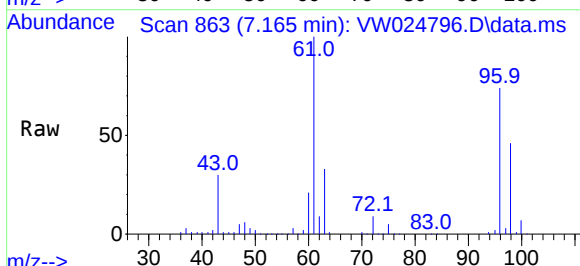
Tgt Ion: 96 Resp: 225274

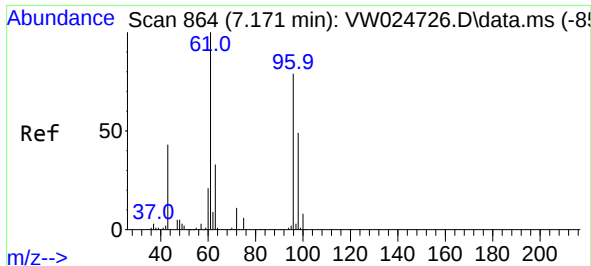
Ion Ratio Lower Upper

96 100

61 134.4 90.2 167.4

68 0.0 0.0 0.0

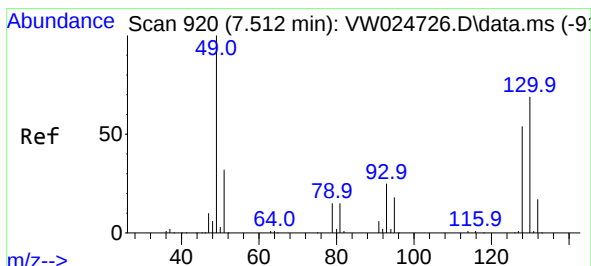
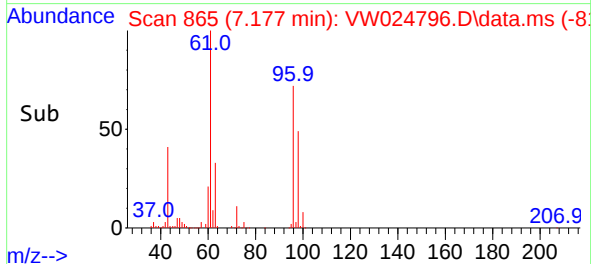
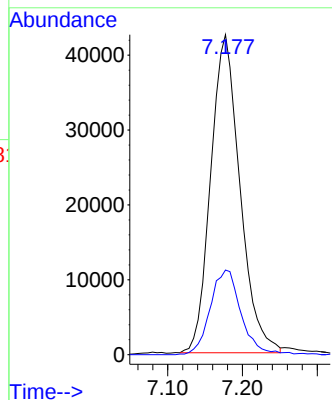
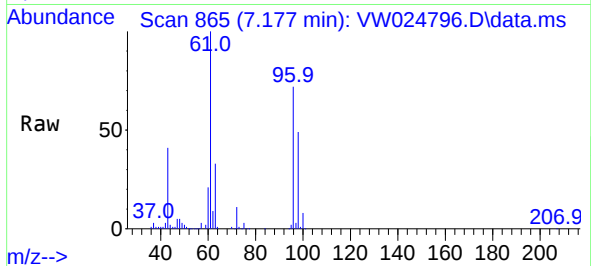




#22  
2-Butanone  
Concen: 54.017 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. 0.006 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

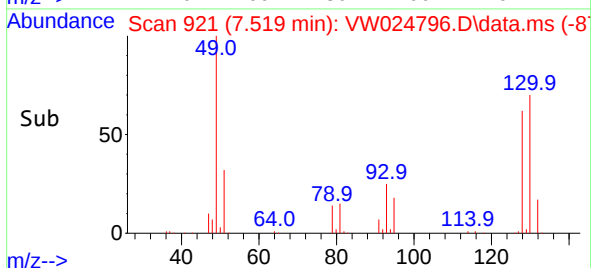
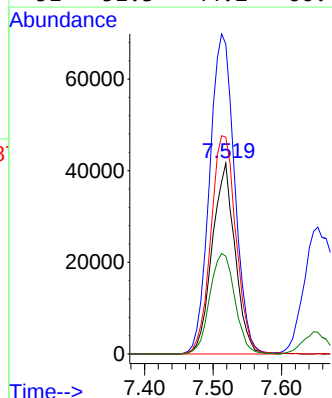
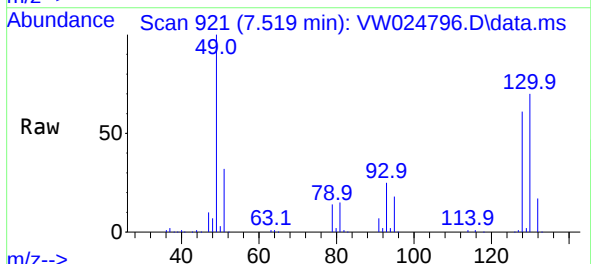
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

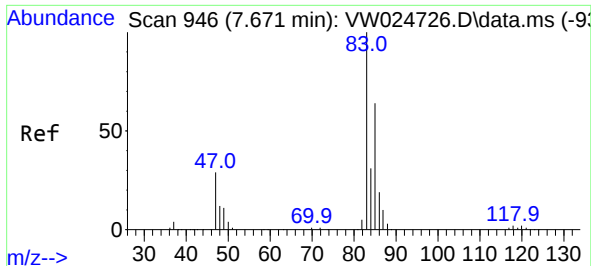
Tgt Ion: 43 Resp: 115891  
Ion Ratio Lower Upper  
43 100  
72 27.7 13.8 41.3



#23  
Bromochloromethane  
Concen: 30.790 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion: 128 Resp: 96458  
Ion Ratio Lower Upper  
128 100  
49 162.7 127.3 236.3  
130 113.7 90.2 167.4  
51 51.3 44.2 66.4

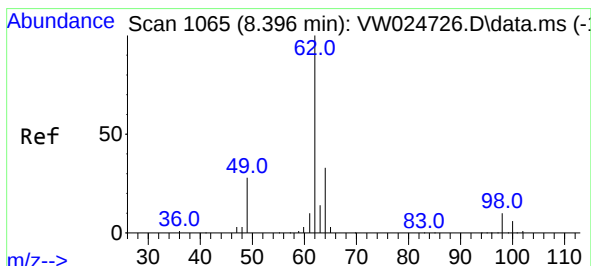
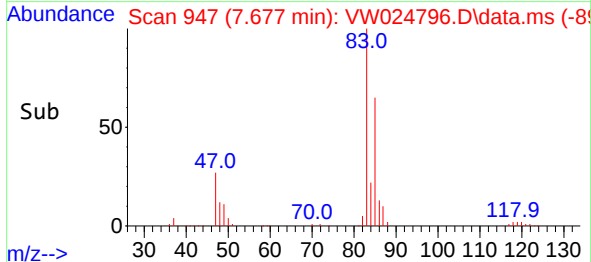
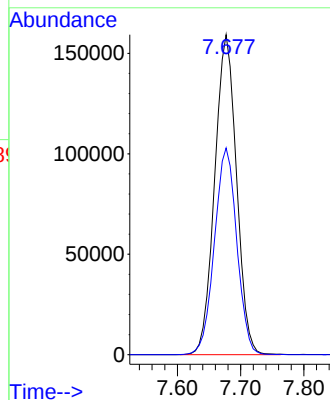
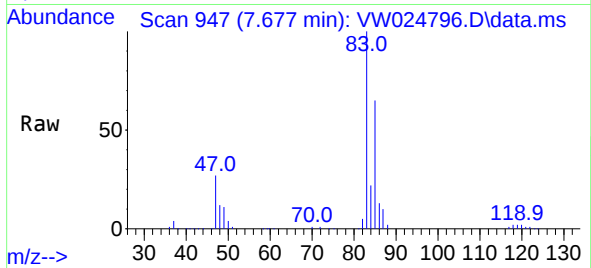




#25  
Chloroform  
Concen: 29.918 ug/L  
RT: 7.677 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

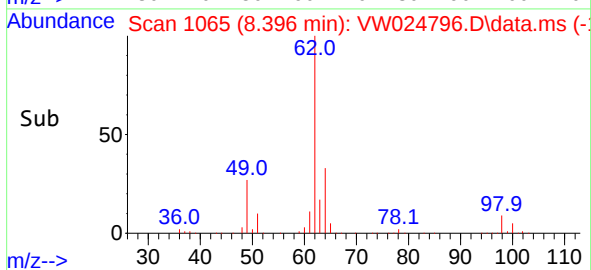
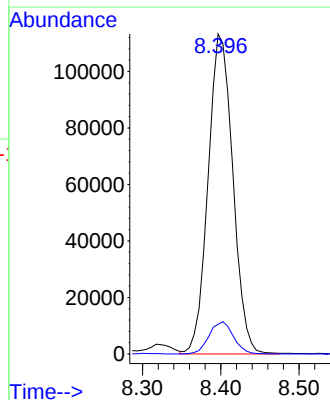
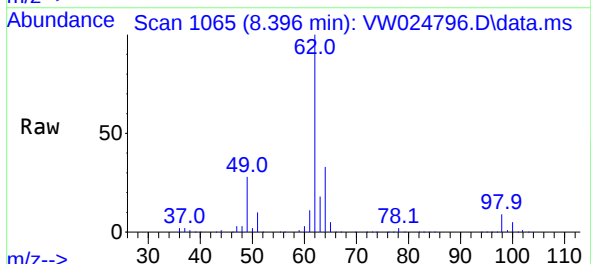
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

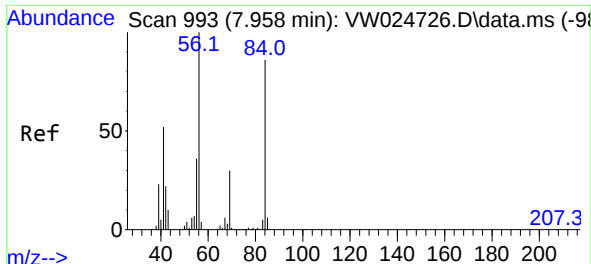
Tgt Ion: 83 Resp: 381297  
Ion Ratio Lower Upper  
83 100  
85 64.6 44.0 81.8



#27  
1,2-Dichloroethane  
Concen: 31.060 ug/L  
RT: 8.396 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion: 62 Resp: 249088  
Ion Ratio Lower Upper  
62 100  
98 9.3 7.8 11.8





#29

Cyclohexane

Concen: 24.983 ug/L

RT: 7.951 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025589

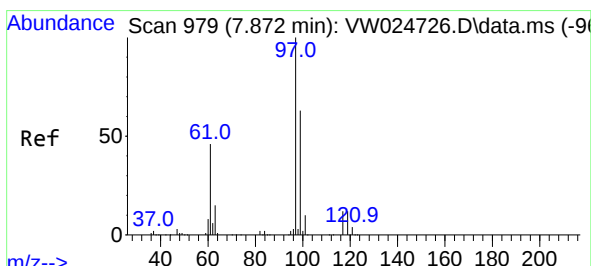
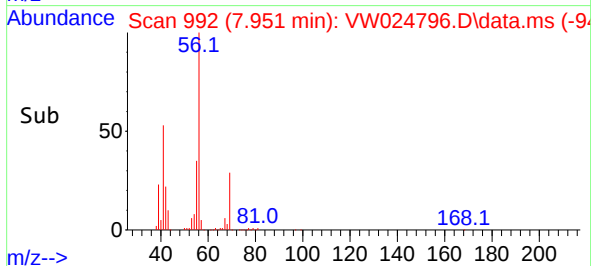
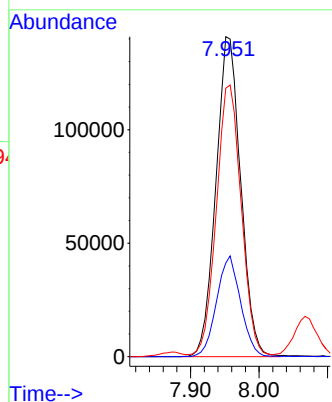
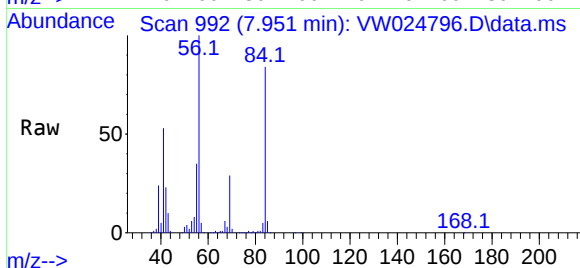
Tgt Ion: 56 Resp: 353372

Ion Ratio Lower Upper

56 100

69 30.5 25.0 37.4

84 85.6 68.1 102.1



#30

1,1,1-Trichloroethane

Concen: 26.620 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

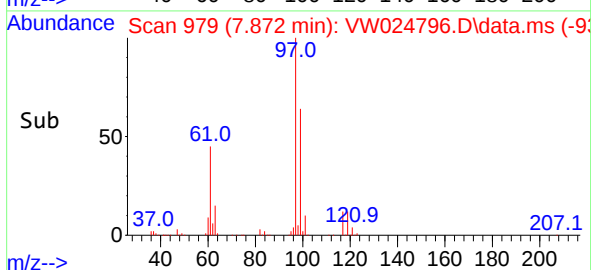
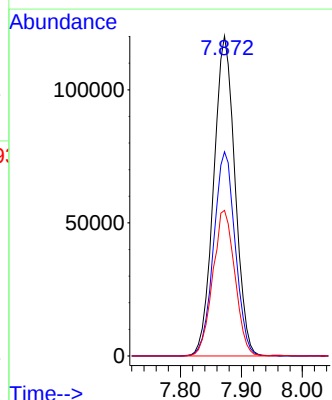
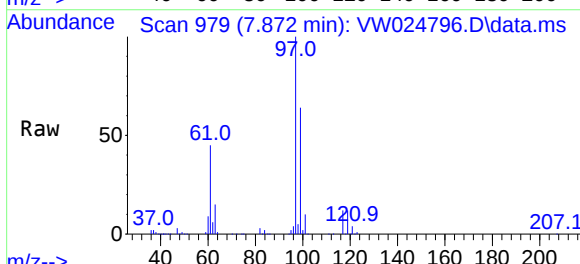
Tgt Ion: 97 Resp: 292534

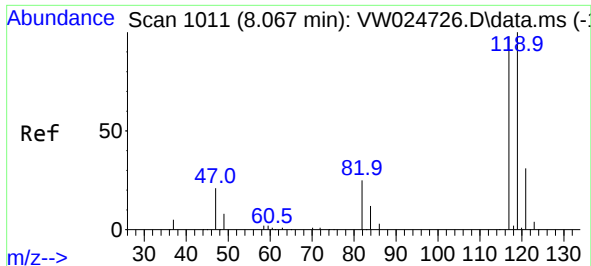
Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

61 47.0 35.8 53.6

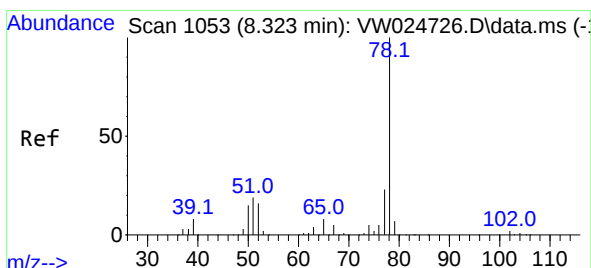
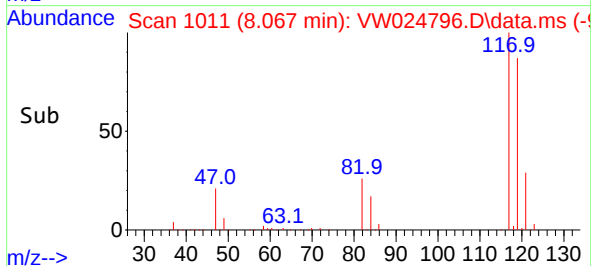
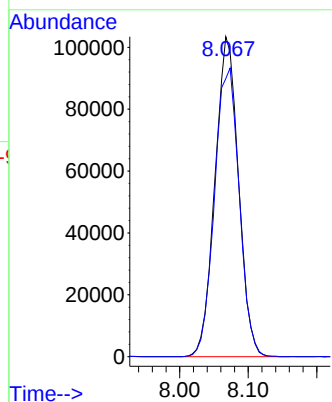
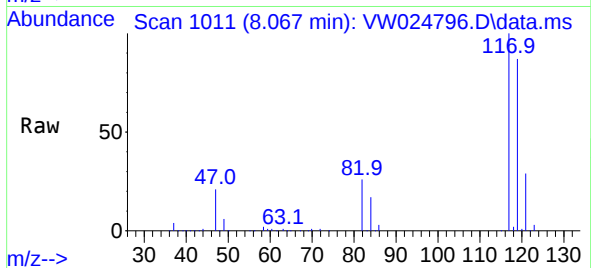




#31  
Carbon tetrachloride  
Concen: 26.468 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

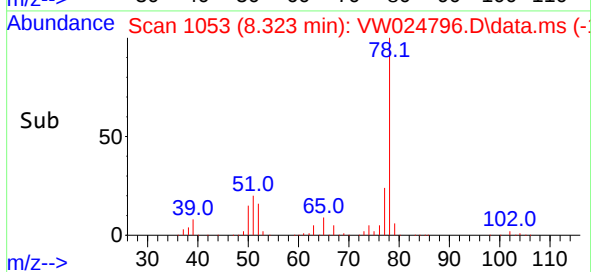
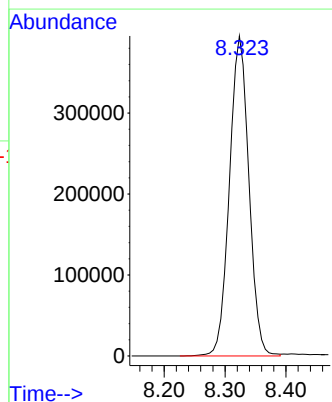
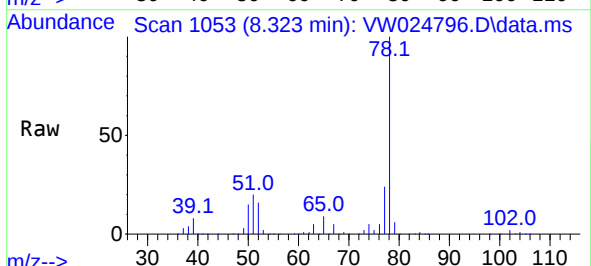
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

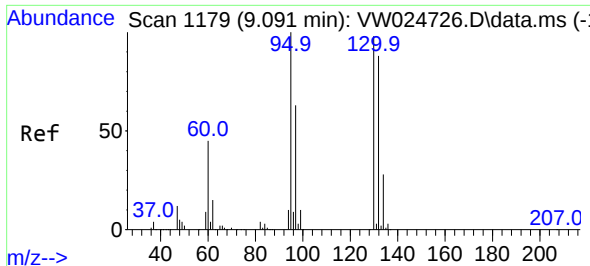
Tgt Ion:117 Resp: 246307  
Ion Ratio Lower Upper  
117 100  
119 94.8 76.2 114.2



#33  
Benzene  
Concen: 27.601 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion: 78 Resp: 877313





#34

Trichloroethene

Concen: 27.300 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025589

Tgt Ion: 95 Resp: 219937

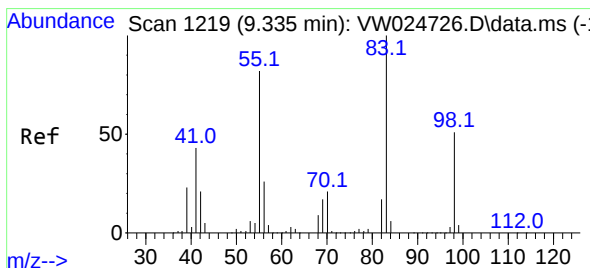
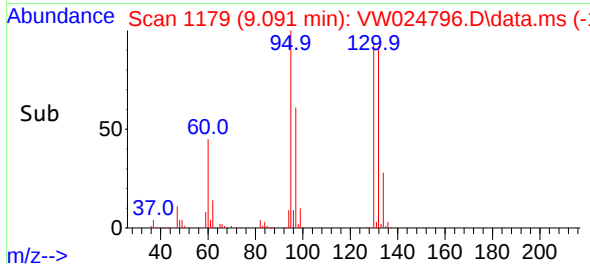
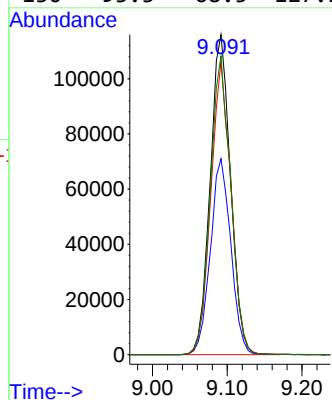
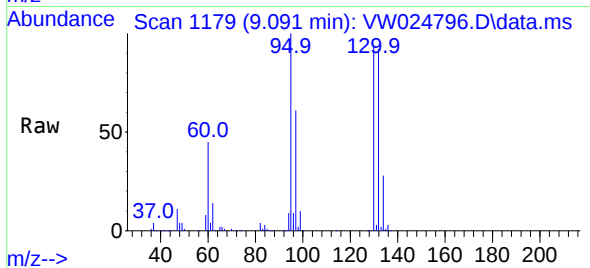
Ion Ratio Lower Upper

95 100

97 61.2 43.5 80.9

132 91.7 61.2 113.8

130 93.3 68.5 127.1



#35

Methylcyclohexane

Concen: 25.458 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

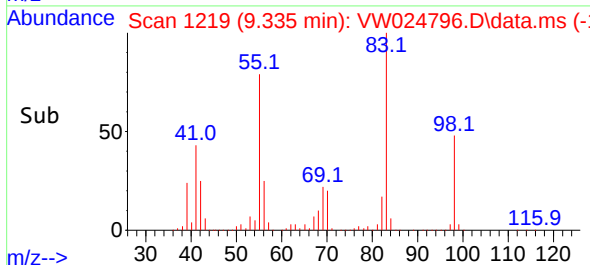
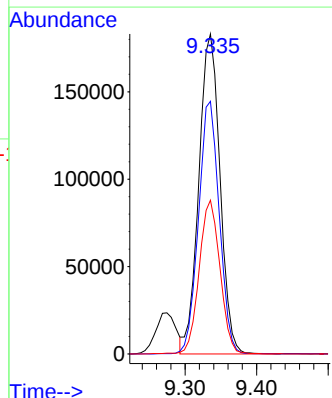
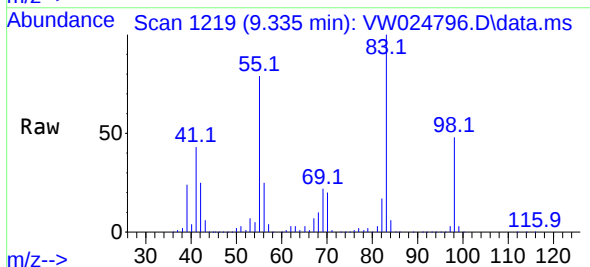
Tgt Ion: 83 Resp: 375964

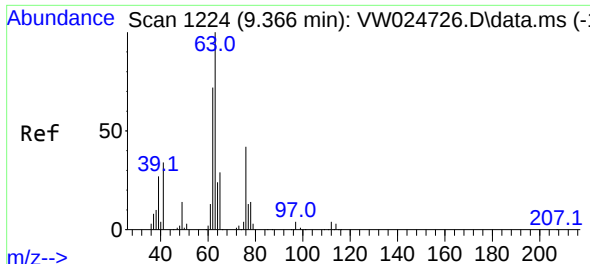
Ion Ratio Lower Upper

83 100

55 77.4 63.1 94.7

98 47.2 38.3 57.5





#37

1,2-Dichloropropane

Concen: 28.567 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

Instrument :

MSVOA\_W

ClientSampleId :

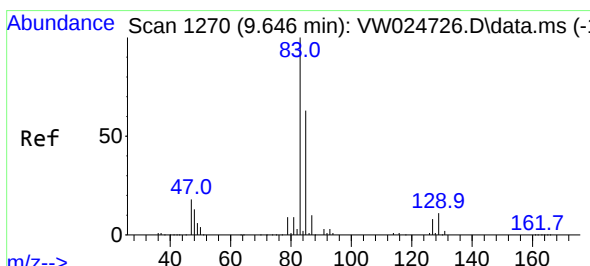
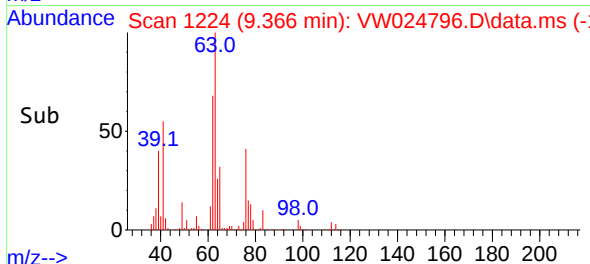
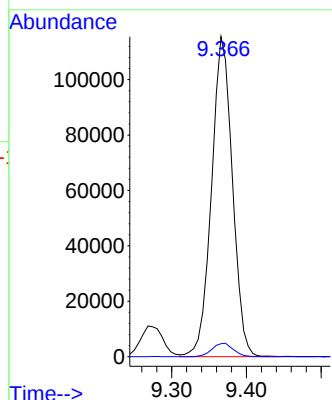
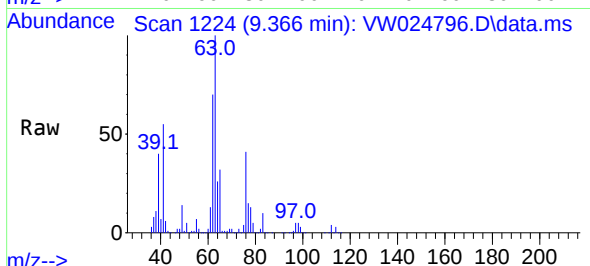
VSTD025589

Tgt Ion: 63 Resp: 224166

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



#38

Bromodichloromethane

Concen: 28.375 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

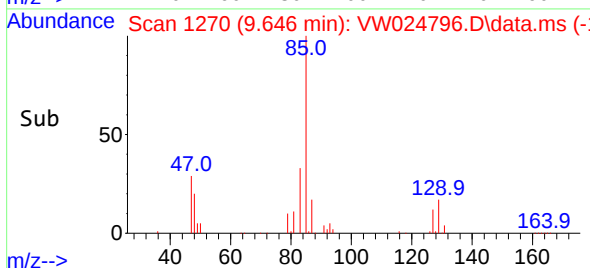
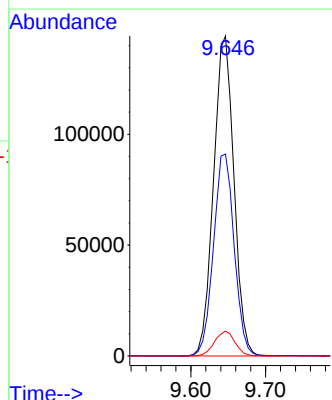
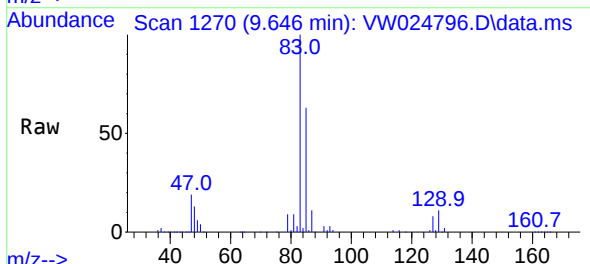
Tgt Ion: 83 Resp: 273891

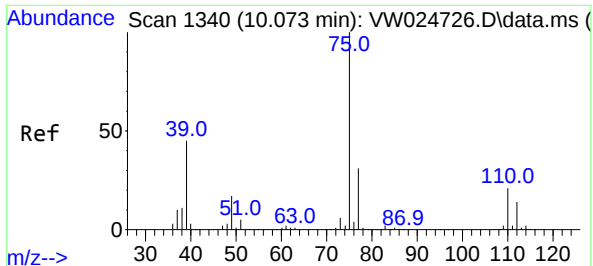
Ion Ratio Lower Upper

83 100

85 63.1 45.6 84.8

127 7.8 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 25.493 ug/L

RT: 10.073 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

Instrument :

MSVOA\_W

ClientSampleId :

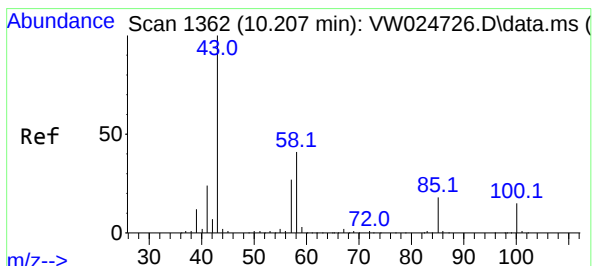
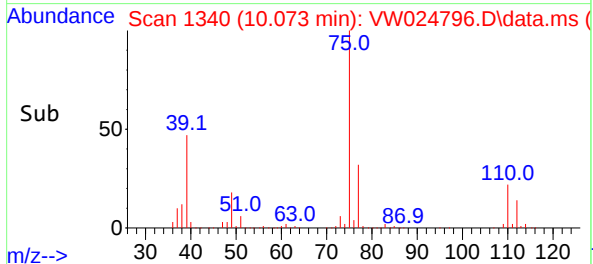
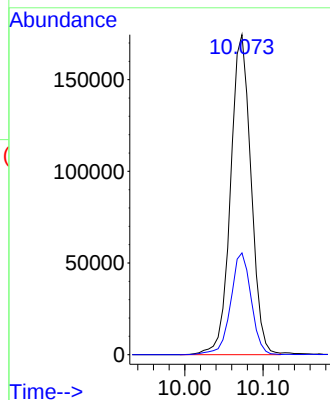
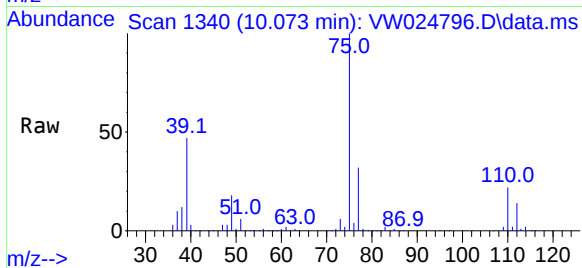
VSTD025589

Tgt Ion: 75 Resp: 316334

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 59.473 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

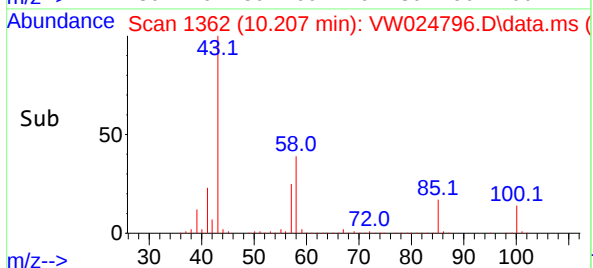
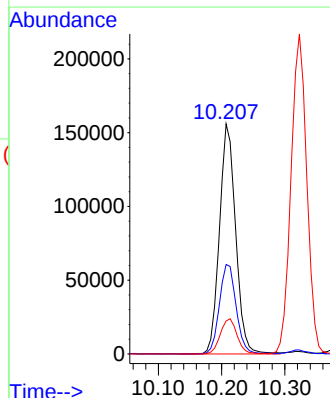
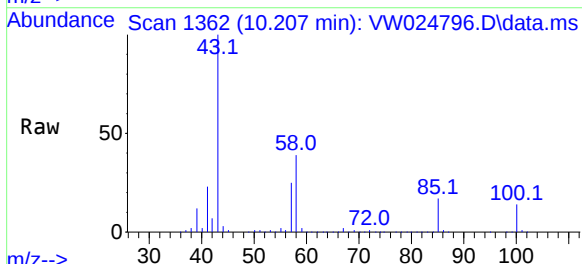
Tgt Ion: 43 Resp: 276233

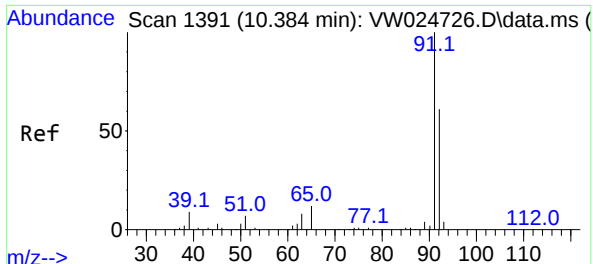
Ion Ratio Lower Upper

43 100

58 40.1 32.9 49.3

100 15.8 12.6 19.0





#42

Toluene

Concen: 27.902 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

Instrument :

MSVOA\_W

ClientSampleId :

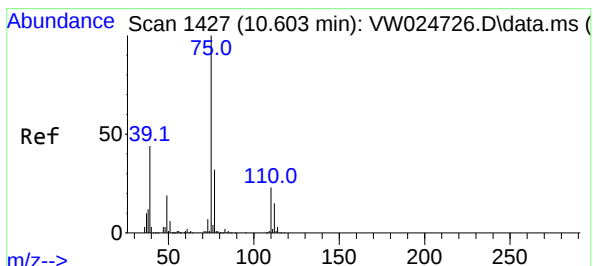
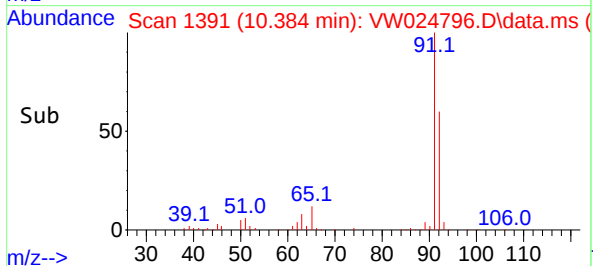
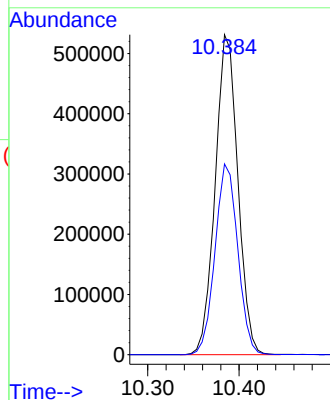
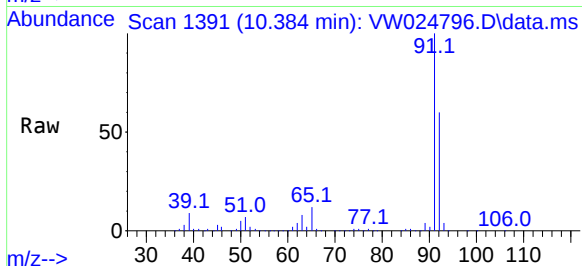
VSTD025589

Tgt Ion: 91 Resp: 915849

Ion Ratio Lower Upper

91 100

92 59.6 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 24.804 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VW024796.D

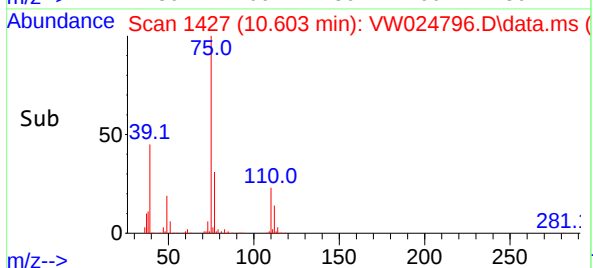
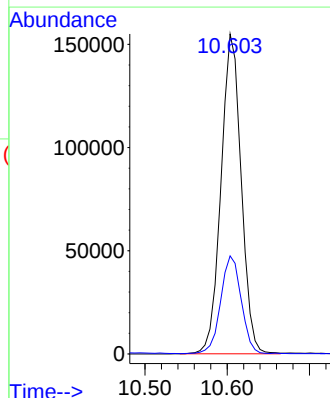
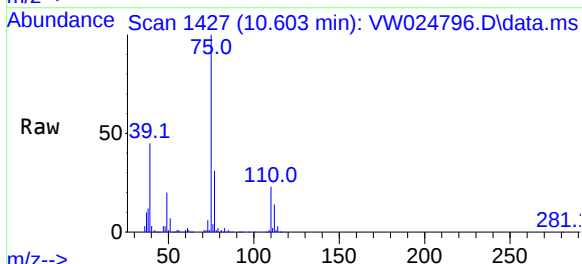
Acq: 07 Oct 2022 19:17

Tgt Ion: 75 Resp: 263884

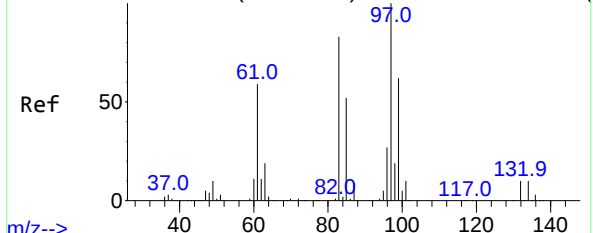
Ion Ratio Lower Upper

75 100

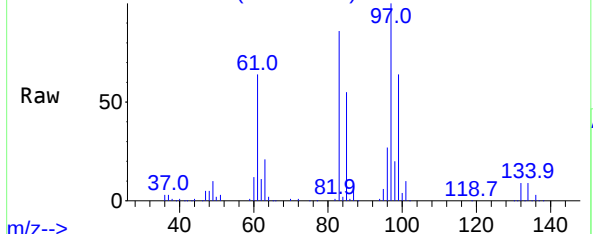
77 30.6 21.3 39.6



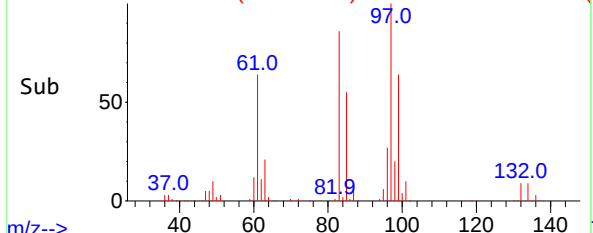
Abundance Scan 1457 (10.786 min): VW024726.D\data.ms (



m/z--> Abundance Scan 1457 (10.786 min): VW024796.D\data.ms



m/z--> Abundance Scan 1457 (10.786 min): VW024796.D\data.ms (



m/z-->

#45

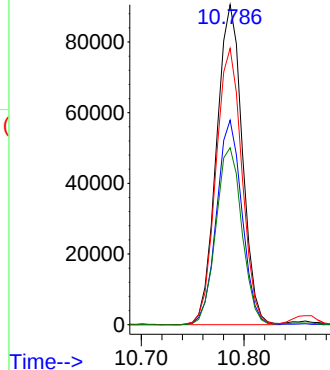
1,1,2-Trichloroethane  
Concen: 29.446 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

Tgt Ion: 97 Resp: 157827

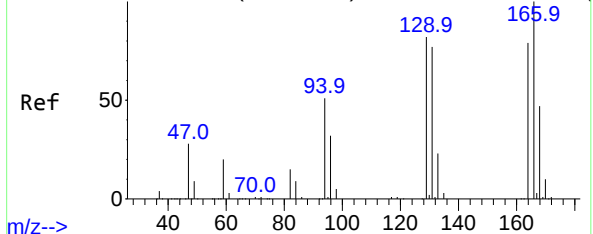
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.9  | 43.8  | 81.4  |
| 83  | 86.3  | 60.1  | 111.5 |
| 85  | 55.3  | 38.9  | 72.2  |

Abundance

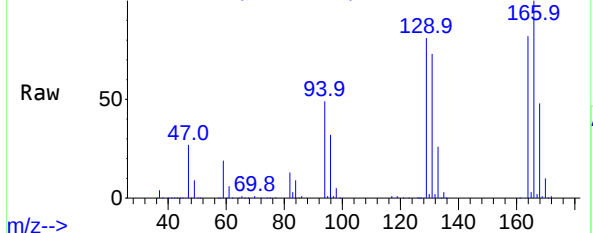


Time-->

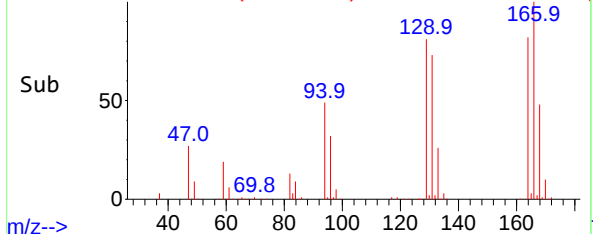
Abundance Scan 1469 (10.859 min): VW024726.D\data.ms (



m/z--> Abundance Scan 1470 (10.866 min): VW024796.D\data.ms



m/z--> Abundance Scan 1470 (10.866 min): VW024796.D\data.ms (



m/z-->

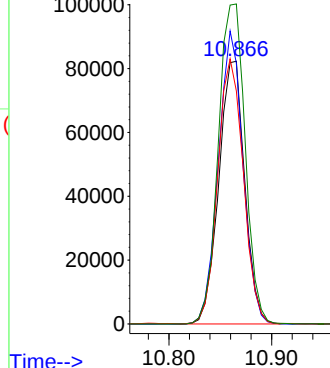
#46

Tetrachloroethene  
Concen: 26.320 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

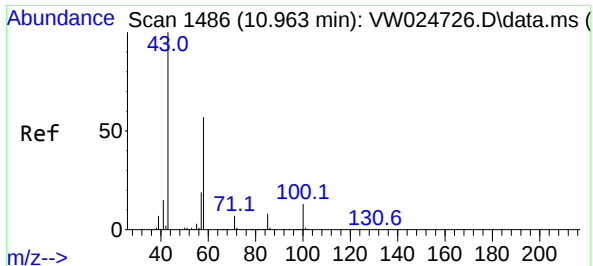
Tgt Ion:164 Resp: 144072

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 99.2  | 74.1  | 137.5 |
| 131 | 88.7  | 71.5  | 132.7 |
| 166 | 121.8 | 76.3  | 141.7 |

Abundance



Time-->

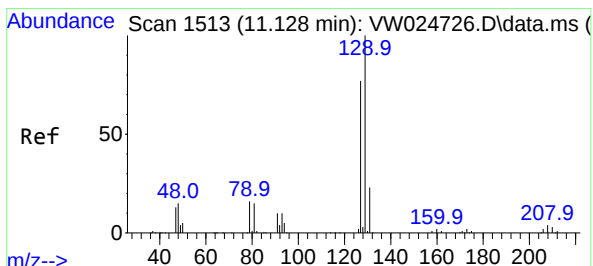
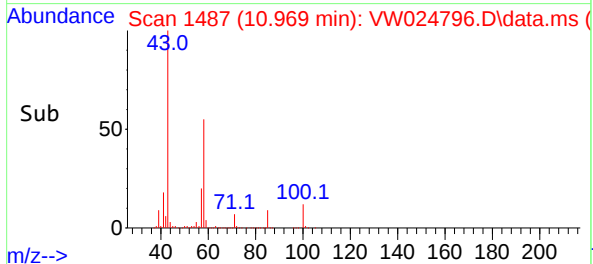
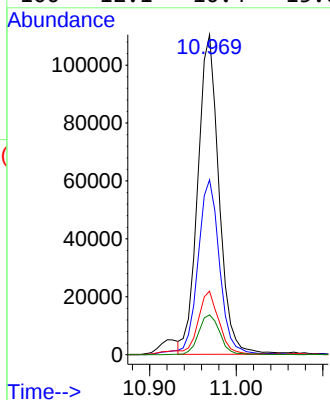
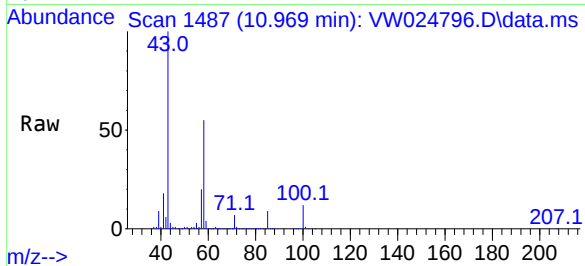


#48  
2-Hexanone  
Concen: 59.781 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.006 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

Tgt Ion: 43 Resp: 187757

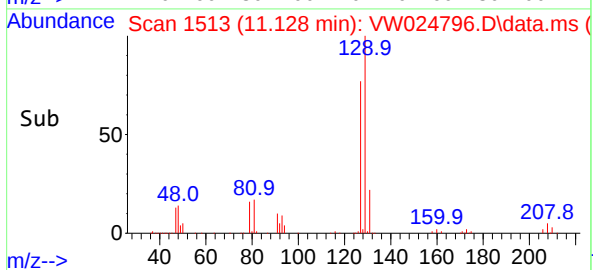
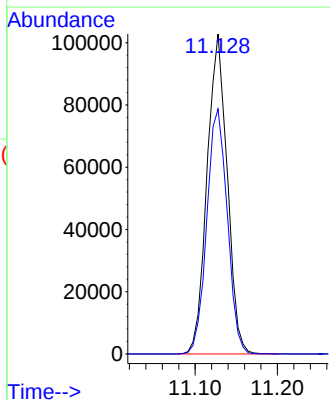
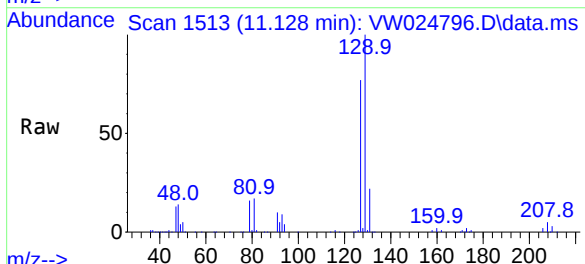
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 56.3  | 45.3  | 67.9  |
| 57  | 19.5  | 16.3  | 24.5  |
| 100 | 12.1  | 10.4  | 15.6  |

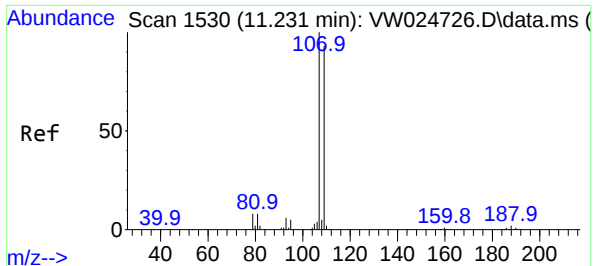


#49  
Dibromochloromethane  
Concen: 28.968 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.006 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion: 129 Resp: 174834

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.5  | 52.4  | 97.4  |

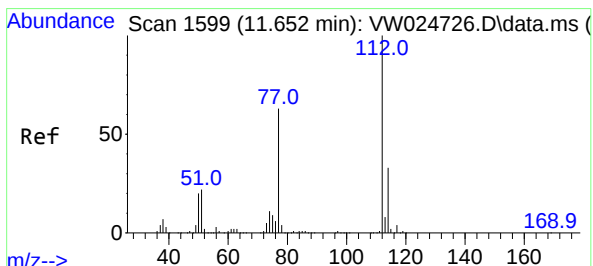
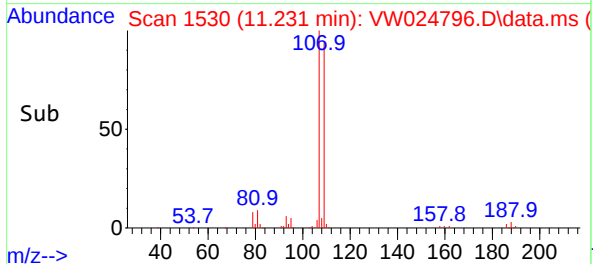
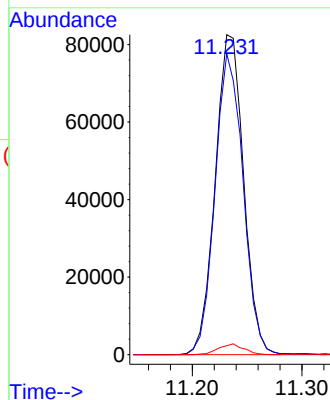
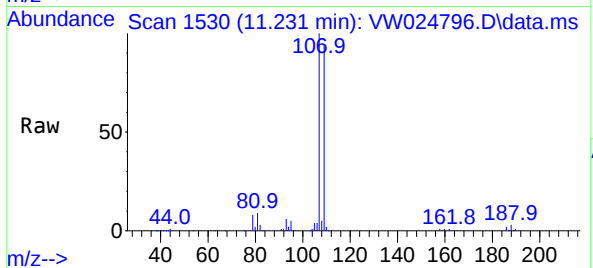




#50  
1,2-Dibromoethane  
Concen: 29.310 ug/L  
RT: 11.231 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

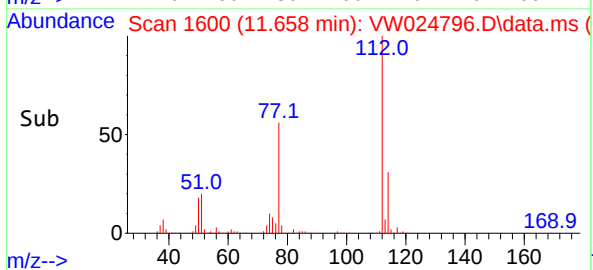
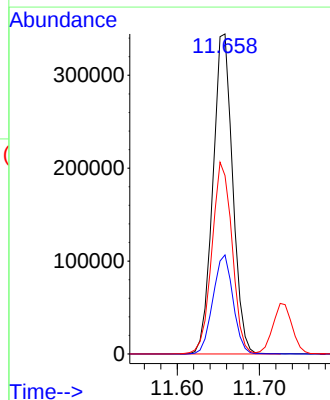
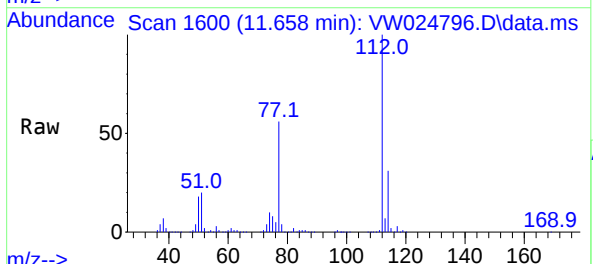
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

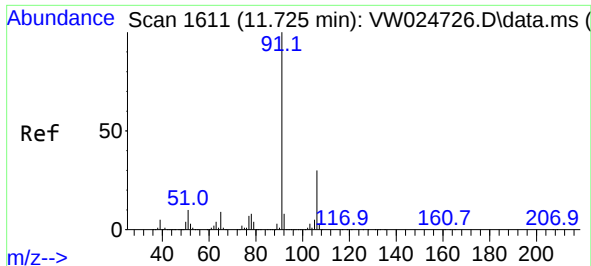
Tgt Ion:107 Resp: 148697  
Ion Ratio Lower Upper  
107 100  
109 94.0 65.5 121.7  
188 2.8 2.4 3.6



#51  
Chlorobenzene  
Concen: 28.658 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.006 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion:112 Resp: 575954  
Ion Ratio Lower Upper  
112 100  
114 30.9 23.3 43.3  
77 55.7 49.1 73.7





#52

Ethylbenzene

Concen: 27.849 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

Instrument :

MSVOA\_W

ClientSampleId :

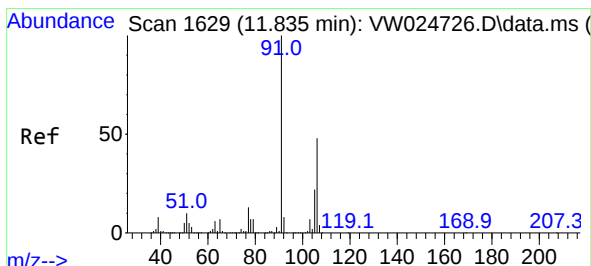
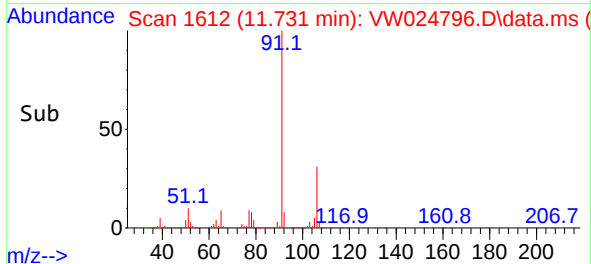
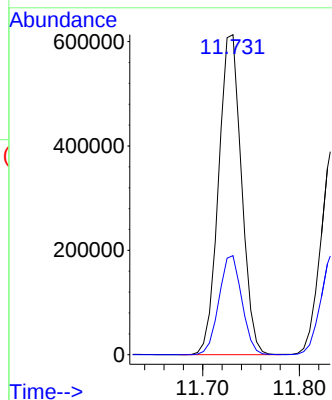
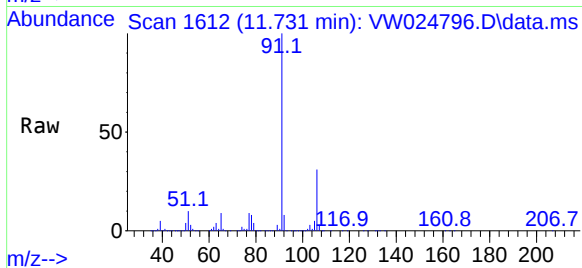
VSTD025589

Tgt Ion: 91 Resp: 1006892

Ion Ratio Lower Upper

91 100

106 30.9 21.5 39.9



#53

m,p-Xylene

Concen: 27.326 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VW024796.D

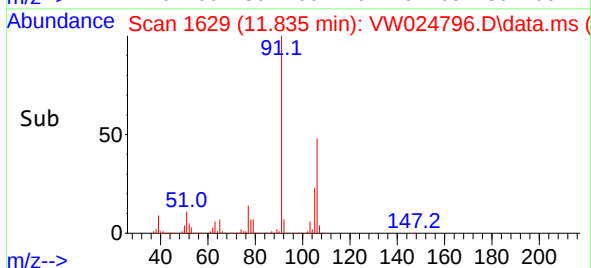
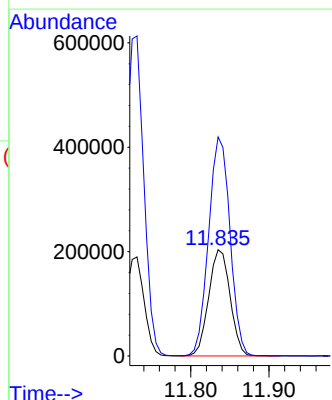
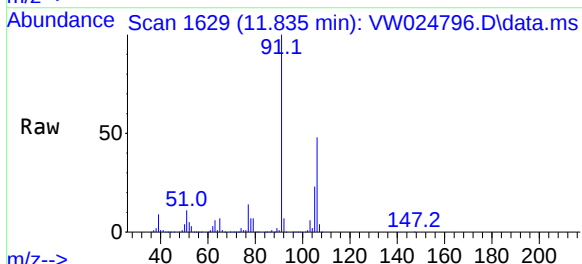
Acq: 07 Oct 2022 19:17

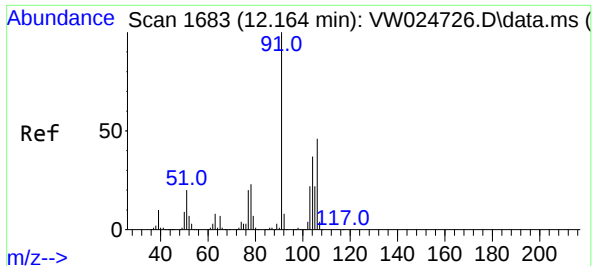
Tgt Ion:106 Resp: 385795

Ion Ratio Lower Upper

106 100

91 206.3 146.8 272.6

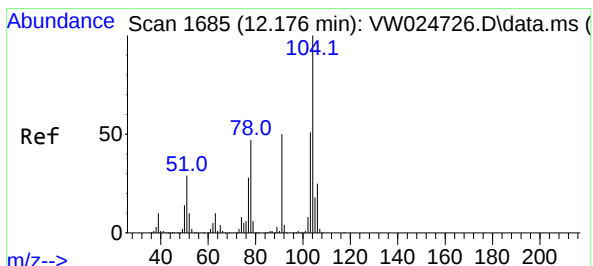
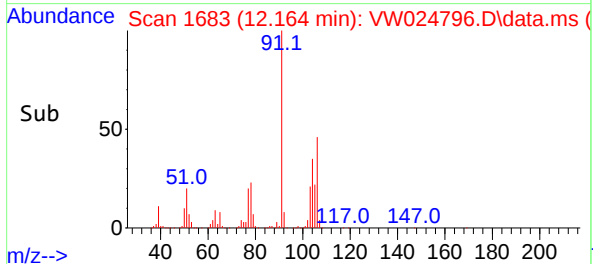
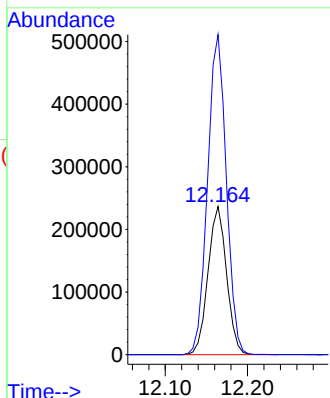
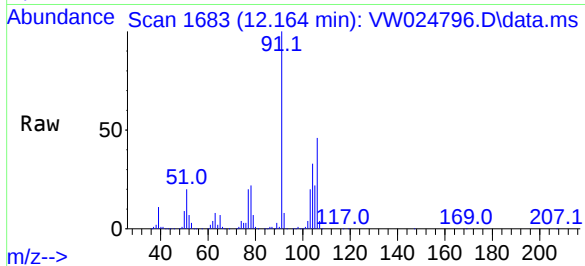




#54  
o-Xylene  
Concen: 27.839 ug/L  
RT: 12.164 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

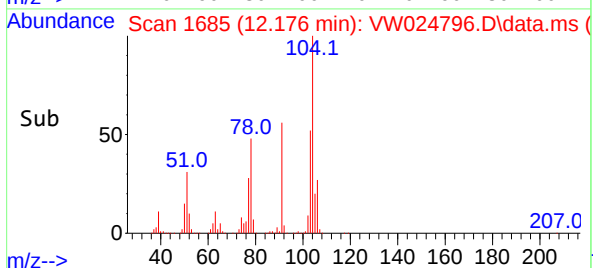
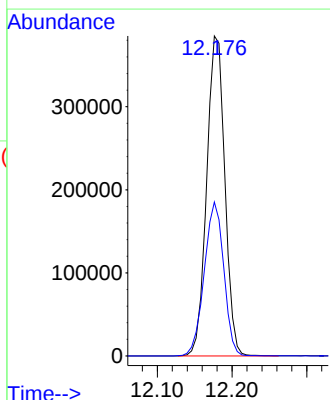
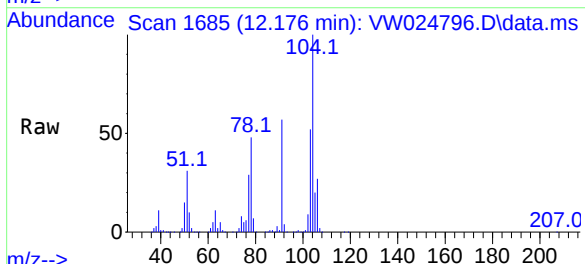
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

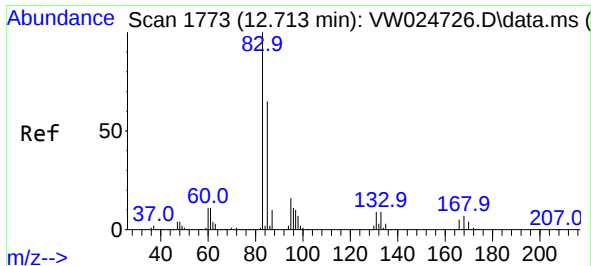
Tgt Ion:106 Resp: 371155  
Ion Ratio Lower Upper  
106 100  
91 216.0 146.3 271.7



#55  
Styrene  
Concen: 28.944 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion:104 Resp: 650528  
Ion Ratio Lower Upper  
104 100  
78 48.1 33.5 62.1

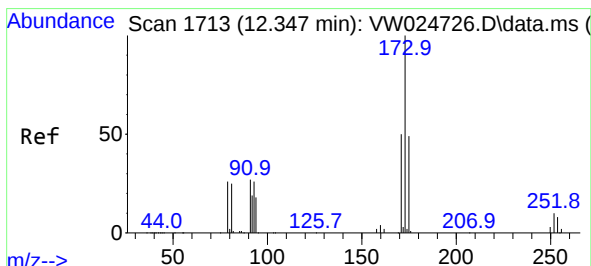
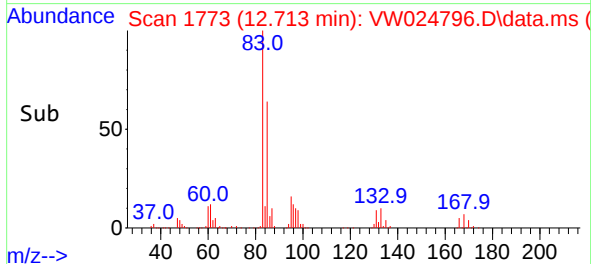
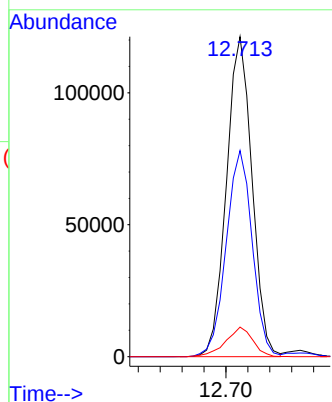
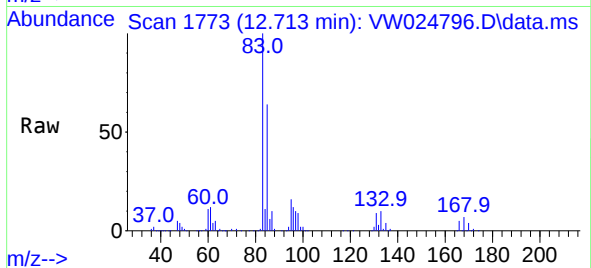




#57  
1,1,2-Tetrachloroethane  
Concen: 31.341 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

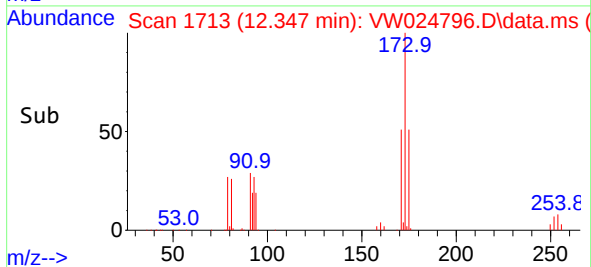
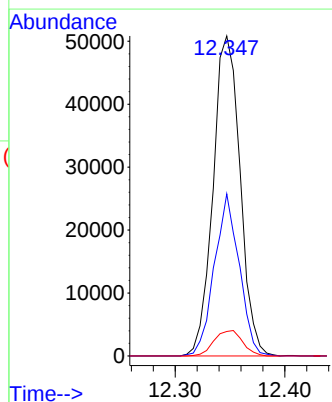
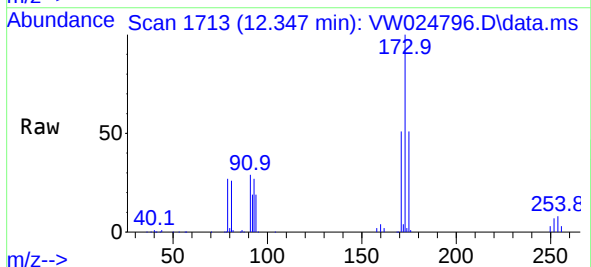
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

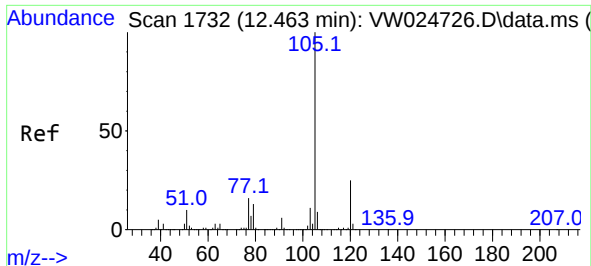
Tgt Ion: 83 Resp: 196690  
Ion Ratio Lower Upper  
83 100  
85 64.4 45.2 84.0  
131 9.3 7.3 10.9



#59  
Bromoform  
Concen: 27.706 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion: 173 Resp: 87177  
Ion Ratio Lower Upper  
173 100  
175 46.6 37.7 56.5  
254 8.4 6.7 10.1

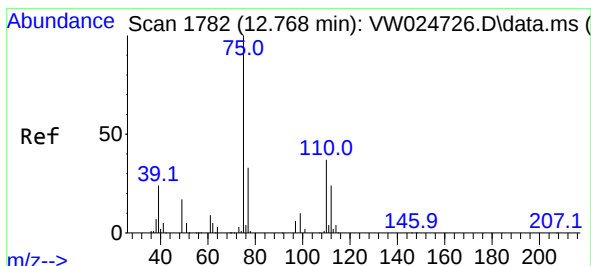
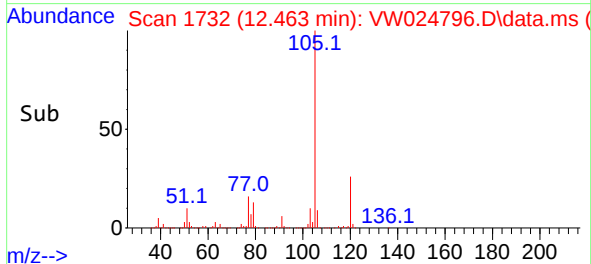
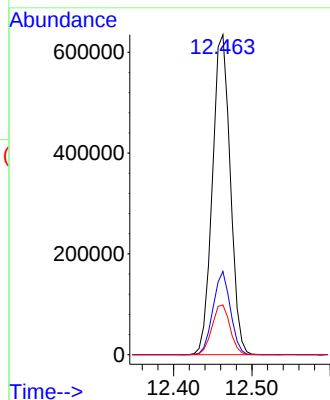
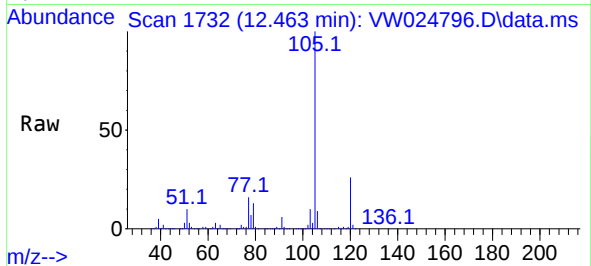




#60  
Isopropylbenzene  
Concen: 27.714 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

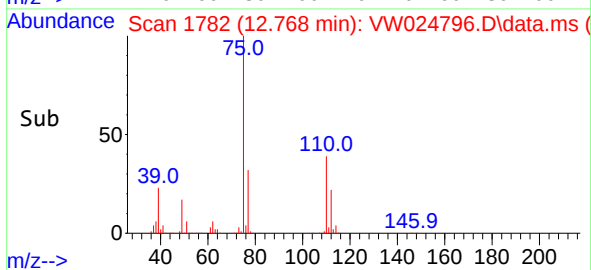
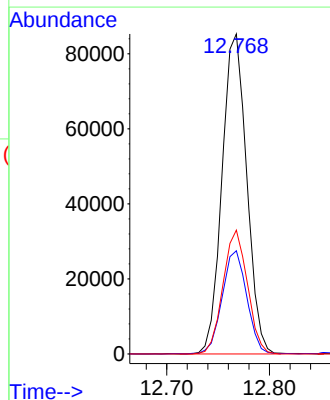
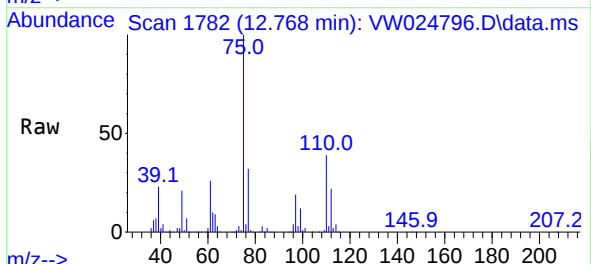
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

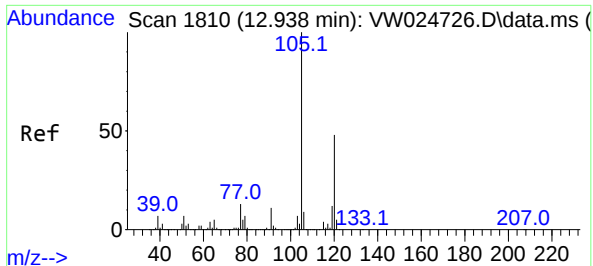
Tgt Ion:105 Resp: 1005444  
Ion Ratio Lower Upper  
105 100  
120 25.3 20.9 31.3  
77 15.7 12.7 19.1



#61  
1,2,3-Trichloropropane  
Concen: 29.626 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion: 75 Resp: 142055  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.8 38.6  
110 38.3 29.2 43.8

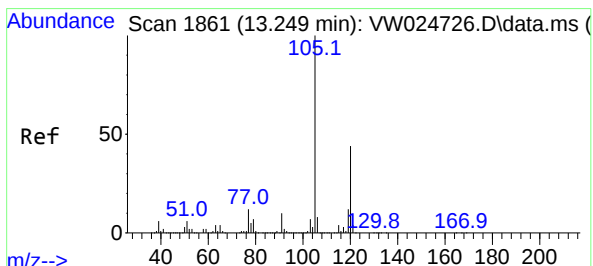
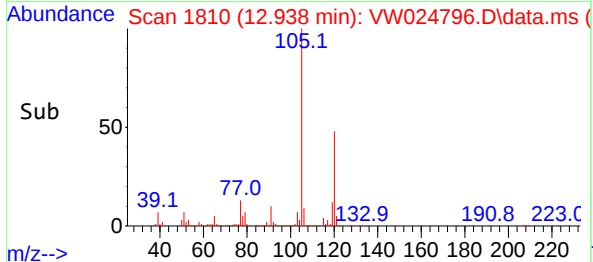
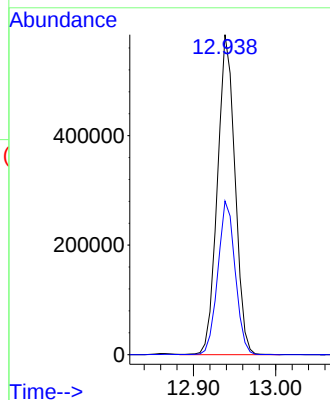
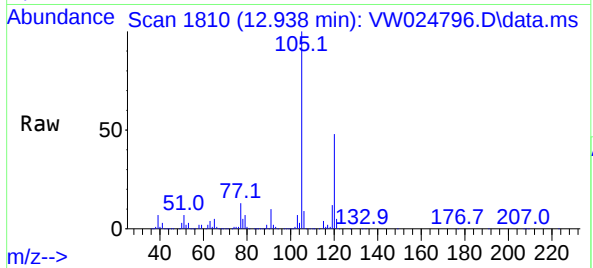




#62  
1,3,5-Trimethylbenzene  
Concen: 27.511 ug/L  
RT: 12.938 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

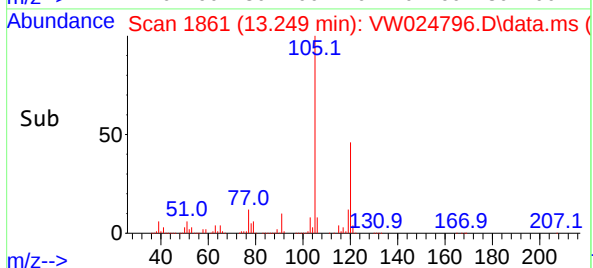
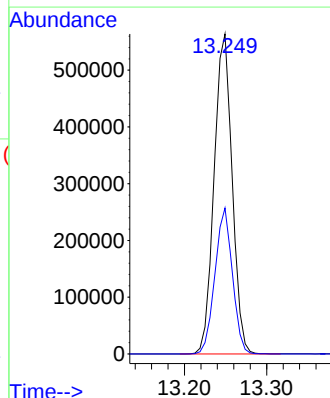
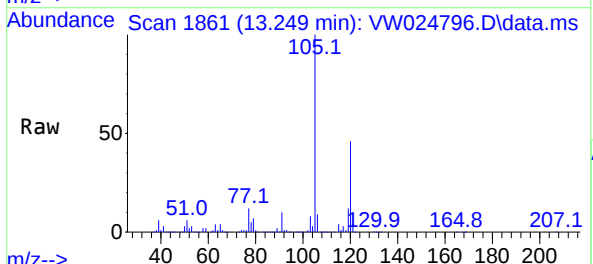
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

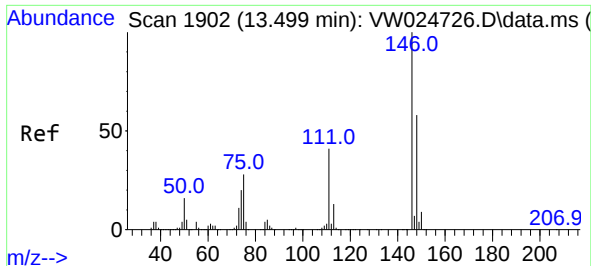
Tgt Ion:105 Resp: 867491  
Ion Ratio Lower Upper  
105 100  
120 47.5 38.8 58.2



#63  
1,2,4-Trimethylbenzene  
Concen: 27.825 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.006 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion:105 Resp: 859551  
Ion Ratio Lower Upper  
105 100  
120 44.1 35.2 52.8

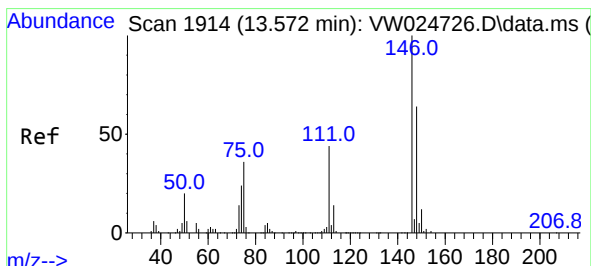
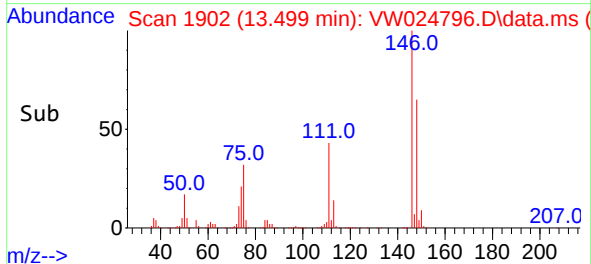
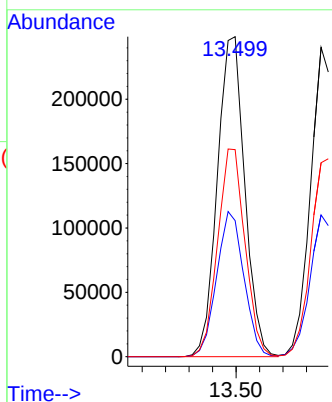
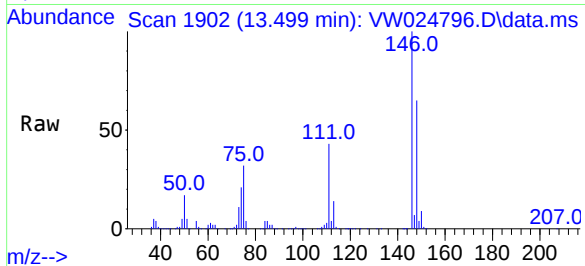




#64  
1,3-Dichlorobenzene  
Concen: 27.333 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.006 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

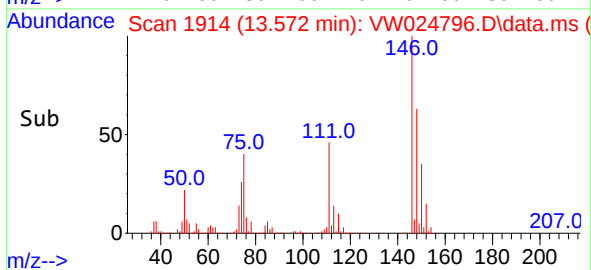
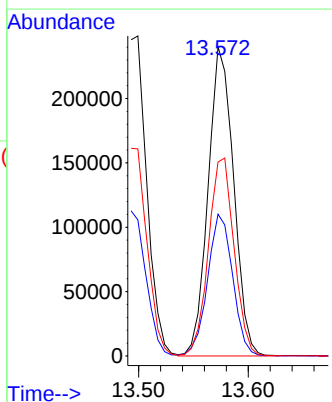
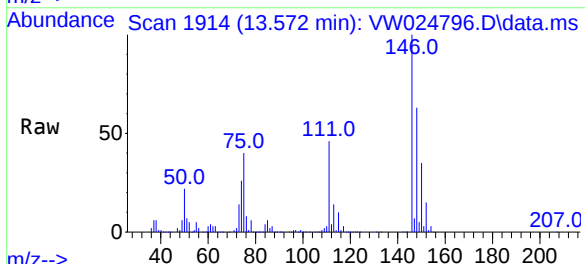
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

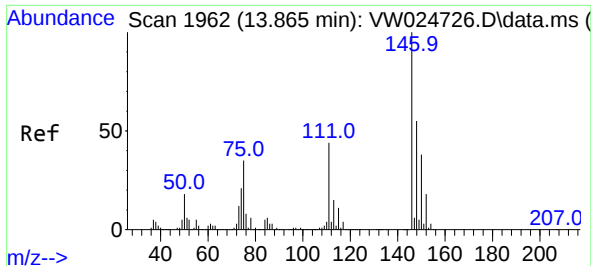
Tgt Ion:146 Resp: 402866  
Ion Ratio Lower Upper  
146 100  
111 42.5 31.6 58.6  
148 64.7 38.1 70.9



#65  
1,4-Dichlorobenzene  
Concen: 27.087 ug/L  
RT: 13.572 min Scan# 1914  
Delta R.T. -0.006 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion:146 Resp: 388646  
Ion Ratio Lower Upper  
146 100  
111 45.8 29.4 54.6  
148 62.7 39.6 73.6

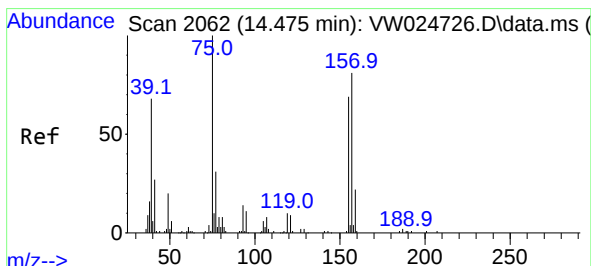
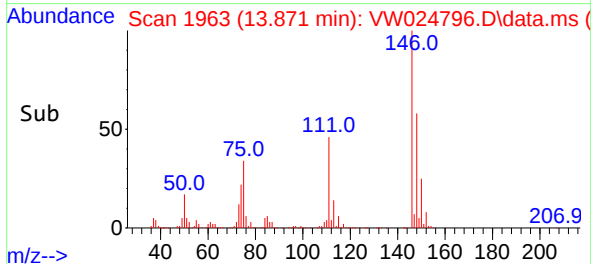
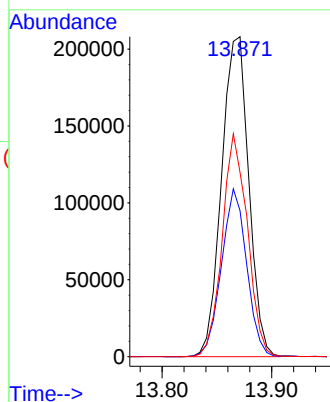
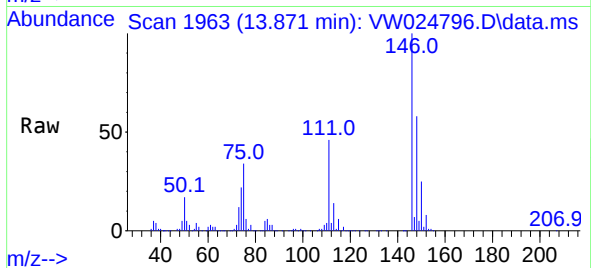




#67  
1,2-Dichlorobenzene  
Concen: 27.921 ug/L  
RT: 13.871 min Scan# 1963  
Delta R.T. 0.006 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

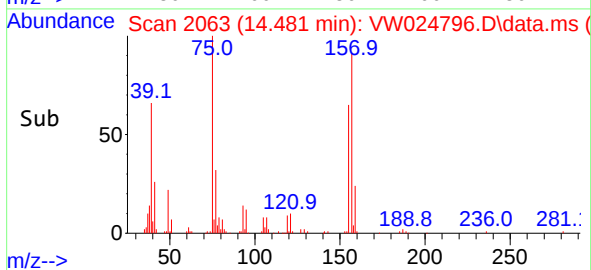
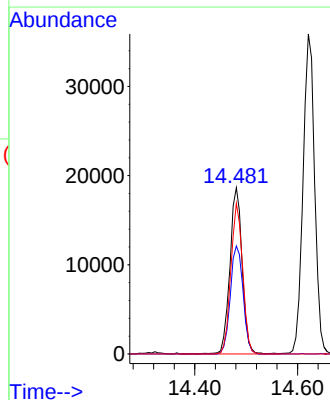
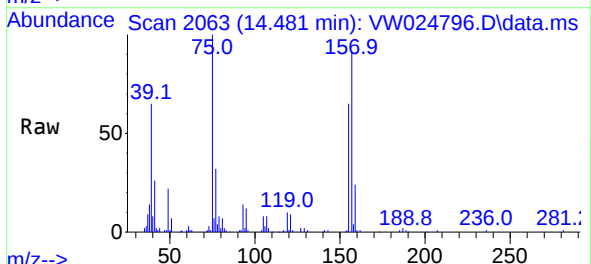
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

Tgt Ion:146 Resp: 358450  
Ion Ratio Lower Upper  
146 100  
111 45.6 37.2 55.8  
148 57.5 53.0 79.6

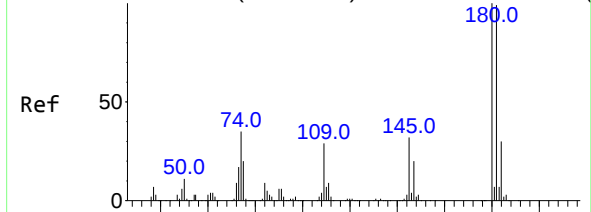


#68  
1,2-Dibromo-3-chloropropane  
Concen: 27.368 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion: 75 Resp: 31032  
Ion Ratio Lower Upper  
75 100  
155 65.0 57.6 86.4  
157 90.7 73.0 109.6

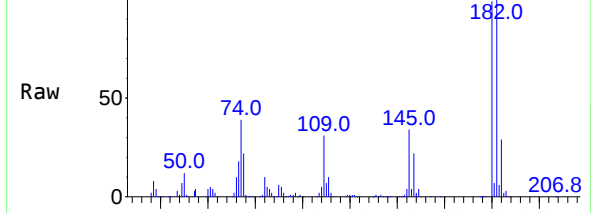


Abundance Scan 2087 (14.627 min): VW024726.D\data.ms (



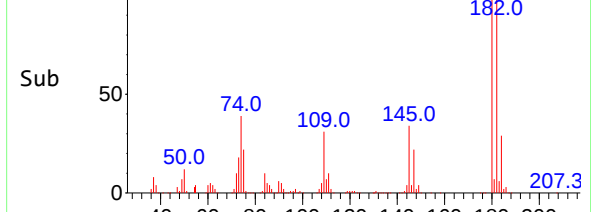
m/z-->

Abundance Scan 2086 (14.621 min): VW024796.D\data.ms



m/z-->

Abundance Scan 2086 (14.621 min): VW024796.D\data.ms (



m/z-->

#69

1,3,5-Trichlorobenzene

Concen: 26.058 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025589

Tgt Ion:180 Resp: 255007

Ion Ratio Lower Upper

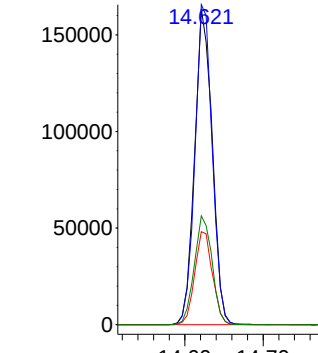
180 100

182 99.4 77.1 115.7

184 29.6 23.3 34.9

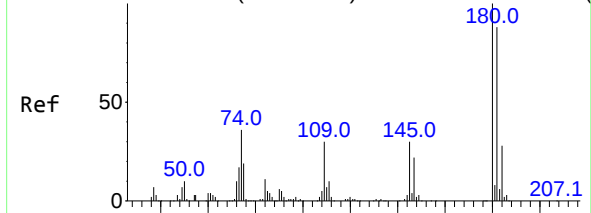
145 34.8 27.4 41.2

Abundance



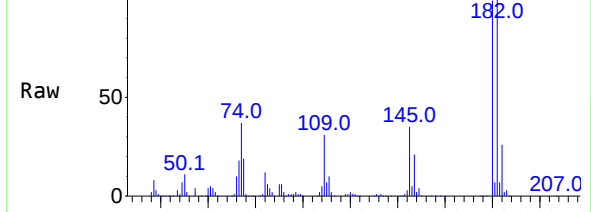
Time-->

Abundance Scan 2169 (15.127 min): VW024726.D\data.ms (



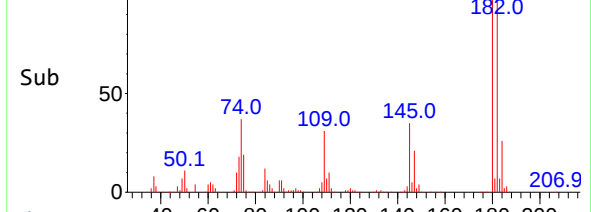
m/z-->

Abundance Scan 2169 (15.127 min): VW024796.D\data.ms



m/z-->

Abundance Scan 2169 (15.127 min): VW024796.D\data.ms (



m/z-->

#70

1,2,4-trichlorobenzene

Concen: 25.950 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW024796.D

Acq: 07 Oct 2022 19:17

Tgt Ion:180 Resp: 213345

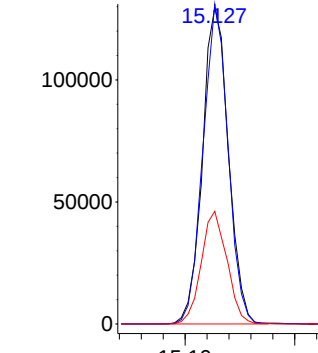
Ion Ratio Lower Upper

180 100

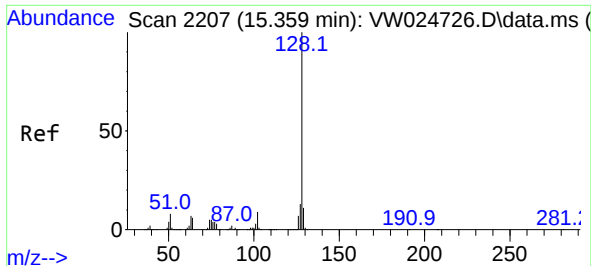
182 97.5 76.8 115.2

145 35.2 29.0 43.4

Abundance



Time-->

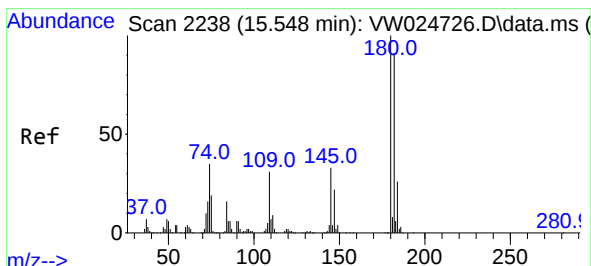
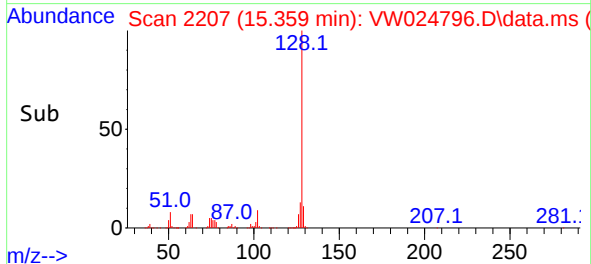
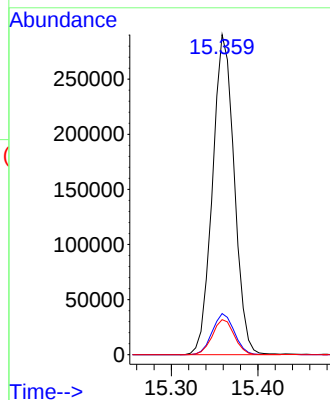
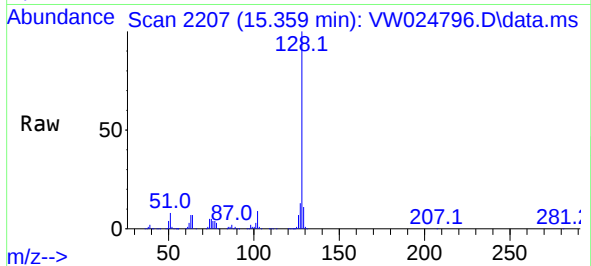


#71  
Naphthalene  
Concen: 28.263 ug/L  
RT: 15.359 min Scan# 2207  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025589

Tgt Ion:128 Resp: 505930

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.1  | 10.6  | 16.0  |
| 129 | 11.1  | 9.0   | 13.4  |



#72  
1,2,3-Trichlorobenzene  
Concen: 27.249 ug/L  
RT: 15.548 min Scan# 2238  
Delta R.T. -0.000 min  
Lab File: VW024796.D  
Acq: 07 Oct 2022 19:17

Tgt Ion:180 Resp: 190663

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.7  | 77.4  | 116.2 |
| 145 | 35.3  | 30.6  | 45.8  |

