

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101321\  
 Data File : VW020478.D  
 Acq On : 13 Oct 2021 22:17  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025032

Quant Time: Oct 14 01:06:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 14 00:58:33 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 194305   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 185673   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 97414    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 58894    | 20.830   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 83.320%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 34157    | 22.871   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.480%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 128529   | 22.185   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 88.760%  |
| 21) 2-Butanone-d5             | 7.086  | 46    | 49735    | 57.801   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 115.600% |
| 24) Chloroform-d              | 7.653  | 84    | 161104   | 26.011   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 104.040% |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 93527    | 26.439   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 105.760% |
| 32) Benzene-d6                | 8.281  | 84    | 299382   | 24.513   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 98.040%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 99625    | 25.028   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 100.120% |
| 41) Toluene-d8                | 10.323 | 98    | 271186   | 24.747   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 99.000%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 40998    | 25.346   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 101.400% |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 35562    | 58.076   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 116.160% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 82761    | 27.507   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 110.040% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 95399    | 25.035   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 100.120% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 23221    | 18.494   | ug/L   | 99       |
| 3) Chloromethane              | 2.215  | 50    | 63154    | 24.190   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.361  | 62    | 86703    | 23.612   | ug/L   | 99       |
| 6) Bromomethane               | 2.776  | 94    | 34969    | 21.926   | ug/L   | 100      |
| 8) Chloroethane               | 2.916  | 64    | 31684    | 23.368   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 47669    | 22.816   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 73397    | 24.633   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 67228    | 24.608   | ug/L   | 96       |
| 13) Acetone                   | 4.129  | 43    | 34309    | 43.430   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.385  | 76    | 205797   | 23.159   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.678  | 43    | 39081    | 26.639   | ug/L   | 100      |
| 16) Methylene chloride        | 4.922  | 84    | 84005    | 22.240   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 73000    | 25.468   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 108671   | 26.910   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 152589   | 25.968   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 79308    | 26.620   | ug/L   | 98       |
| 22) 2-Butanone                | 7.177  | 43    | 51191    | 51.767   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.525  | 128   | 33781    | 25.853   | ug/L   | 95       |
| 25) Chloroform                | 7.677  | 83    | 149346   | 26.144   | ug/L   | 99       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
 VSTD025032

Quant Time: Oct 14 01:06:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 14 00:58:33 2021  
 Response via : Initial Calibration

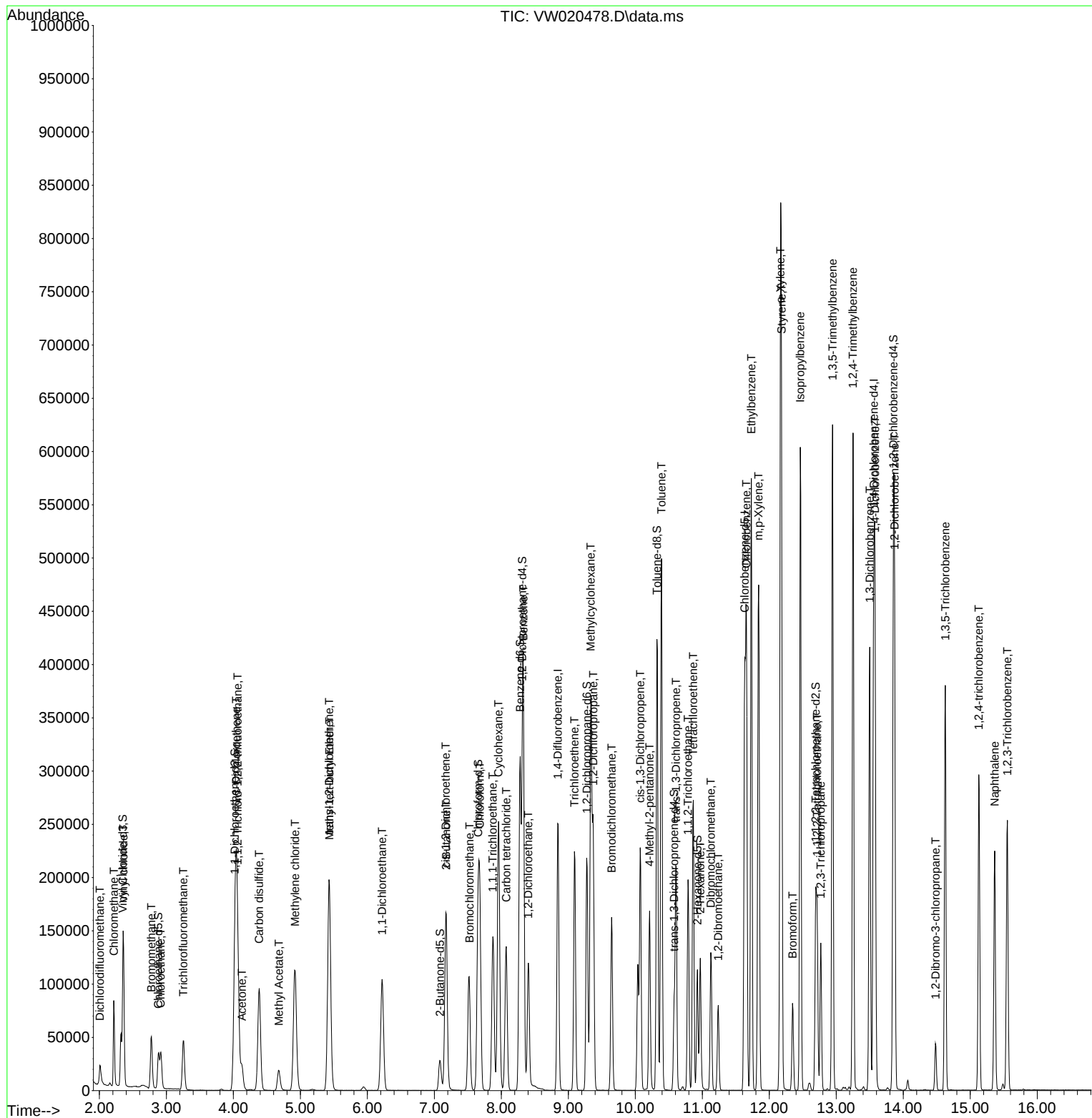
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 105139   | 26.910 | ug/L  | 98       |
| 29) Cyclohexane               | 7.958  | 56   | 135171   | 24.866 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 113875   | 24.688 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.074  | 117  | 97903    | 24.141 | ug/L  | 100      |
| 33) Benzene                   | 8.330  | 78   | 337709   | 25.536 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 79342    | 24.353 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.336  | 83   | 136252   | 24.438 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 88700    | 25.900 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 105592   | 25.716 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 125217   | 26.500 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 113789   | 55.357 | ug/L  | 99       |
| 42) Toluene                   | 10.390 | 91   | 342537   | 25.822 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 110816   | 26.604 | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 10.787 | 97   | 59285    | 26.961 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.866 | 164  | 56373    | 24.089 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.969 | 43   | 81482    | 54.028 | ug/L  | 100      |
| 49) Dibromochloromethane      | 11.128 | 129  | 63843    | 26.354 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 53349    | 26.413 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.658 | 112  | 209139   | 25.567 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 377135   | 26.218 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.841 | 106  | 139717   | 26.215 | ug/L  | 99       |
| 54) o-Xylene                  | 12.164 | 106  | 135755   | 27.581 | ug/L  | 99       |
| 55) Styrene                   | 12.183 | 104  | 238887   | 27.758 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 73375    | 26.917 | ug/L  | 95       |
| 59) Bromoform                 | 12.347 | 173  | 35848    | 26.269 | ug/L  | 100      |
| 60) Isopropylbenzene          | 12.463 | 105  | 360679   | 25.226 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 54225    | 25.267 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 307963   | 26.381 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 311883   | 26.972 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 152587   | 24.665 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 159705   | 24.958 | ug/L  | 93       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 143052   | 25.240 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 11661    | 25.581 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 107216   | 24.305 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 86911    | 24.882 | ug/L  | 98       |
| 71) Naphthalene               | 15.365 | 128  | 172075   | 27.400 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 78153    | 25.475 | ug/L  | 96       |

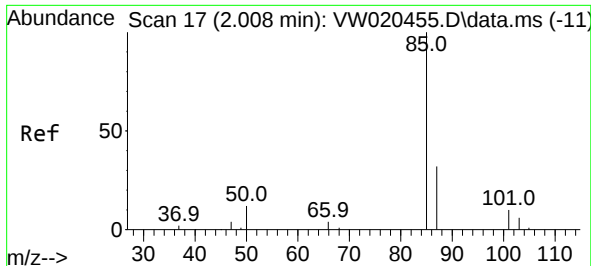
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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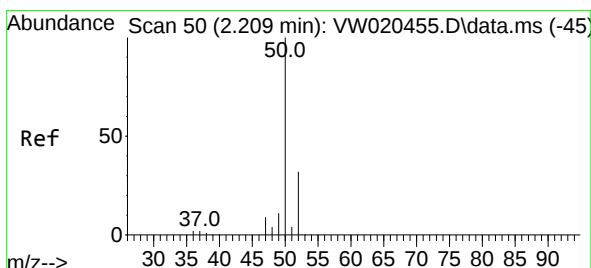
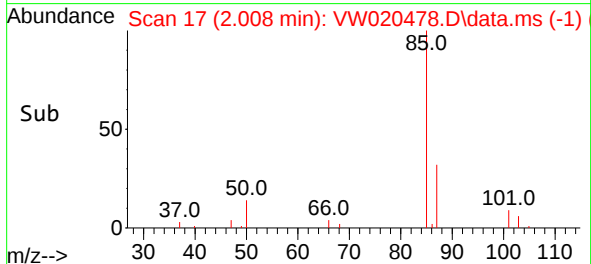
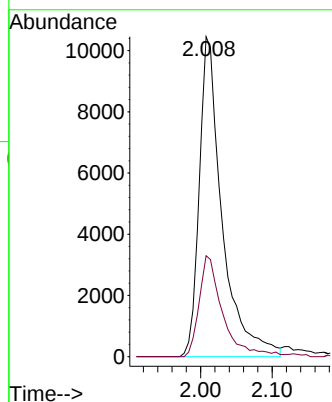
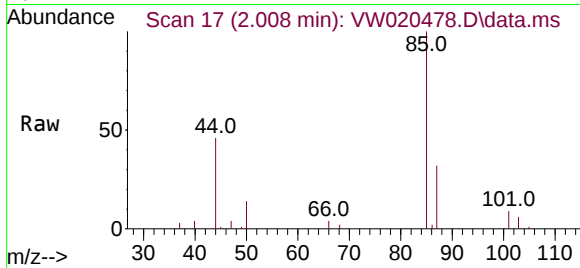




#2  
Dichlorodifluoromethane  
Concen: 18.494 ug/L  
RT: 2.008 min Scan# 17  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

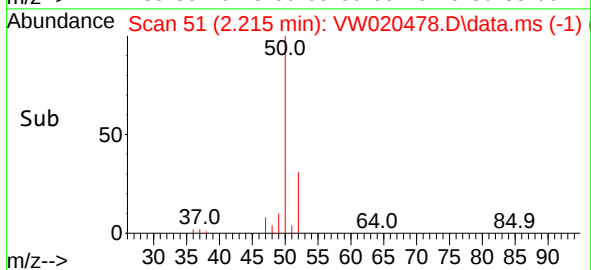
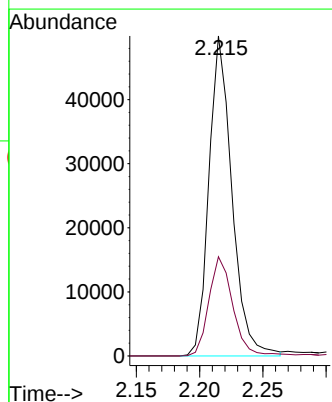
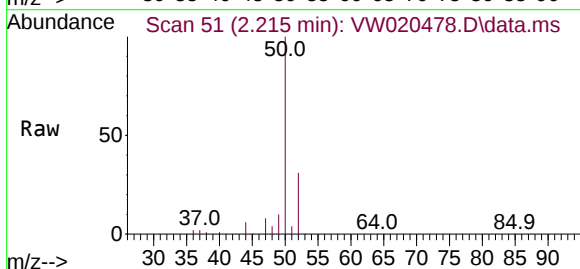
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

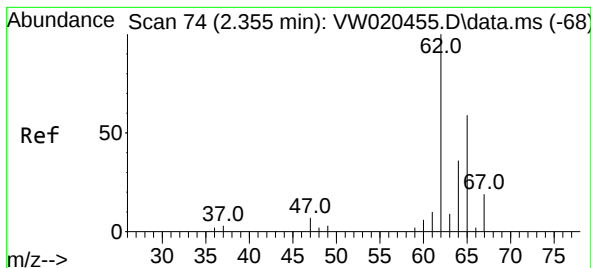
Tgt Ion: 85 Resp: 23221  
Ion Ratio Lower Upper  
85 100  
87 31.9 24.9 37.3



#3  
Chloromethane  
Concen: 24.190 ug/L  
RT: 2.215 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion: 50 Resp: 63154  
Ion Ratio Lower Upper  
50 100  
52 31.0 21.5 39.9





#5

Vinyl chloride

Concen: 23.612 ug/L

RT: 2.361 min Scan# 75

Delta R.T. 0.006 min

Lab File: VW020478.D

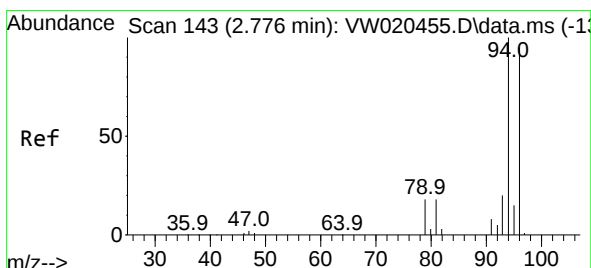
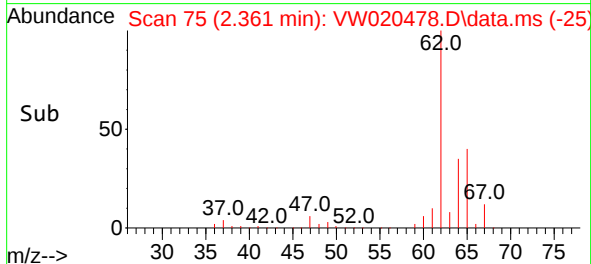
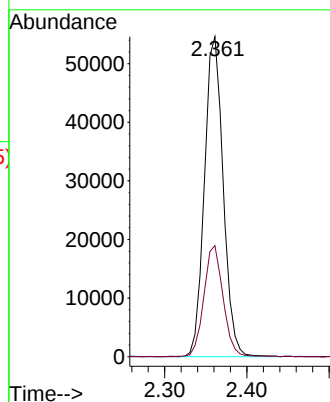
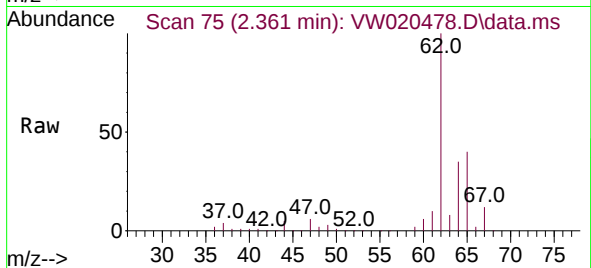
Acq: 13 Oct 2021 22:17

Tgt Ion: 62 Resp: 86703

Ion Ratio Lower Upper

62 100

64 34.7 24.6 45.6



#6

Bromomethane

Concen: 21.926 ug/L

RT: 2.776 min Scan# 143

Delta R.T. 0.000 min

Lab File: VW020478.D

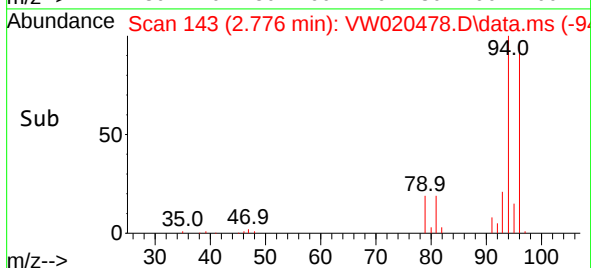
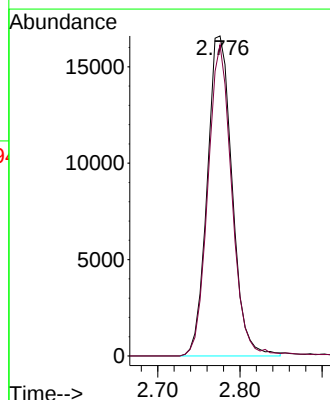
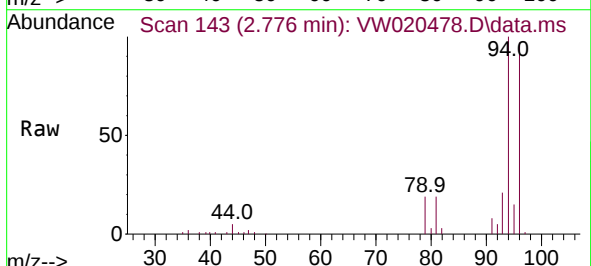
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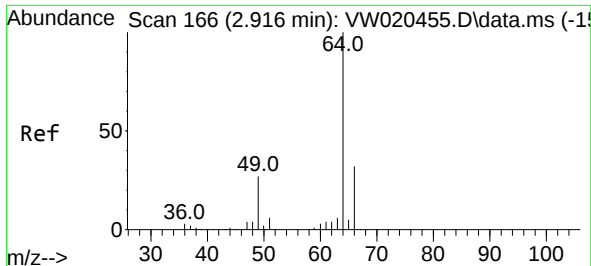
Tgt Ion: 94 Resp: 34969

Ion Ratio Lower Upper

94 100

96 97.3 67.8 126.0

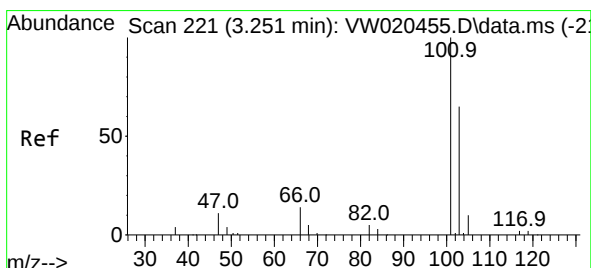
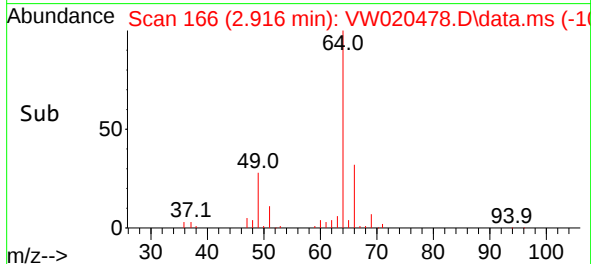
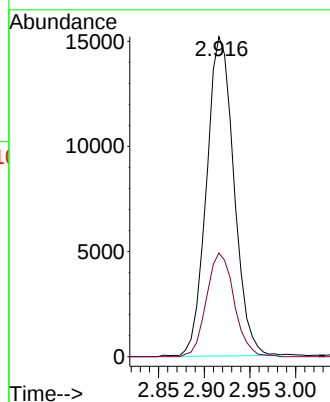
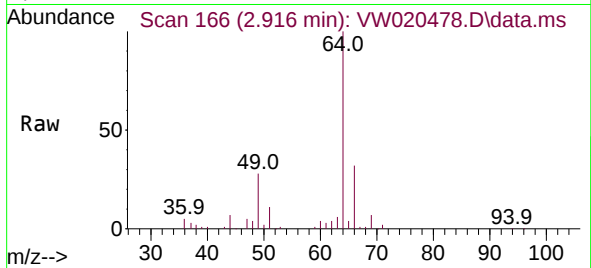




#8  
Chloroethane  
Concen: 23.368 ug/L  
RT: 2.916 min Scan# 166  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

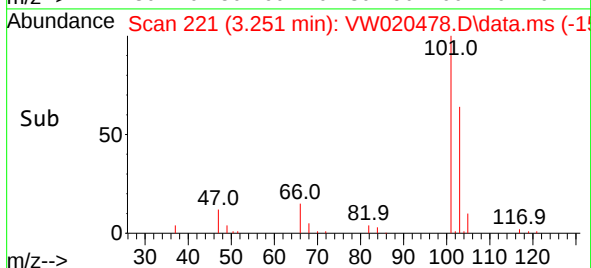
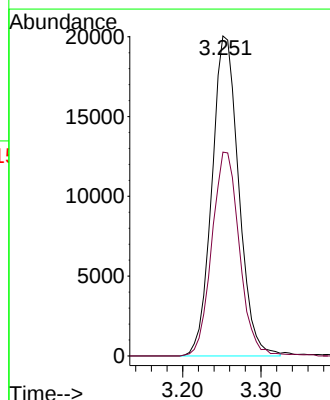
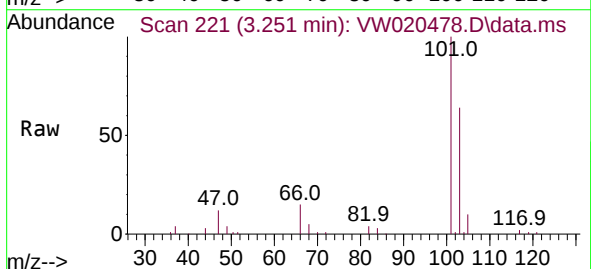
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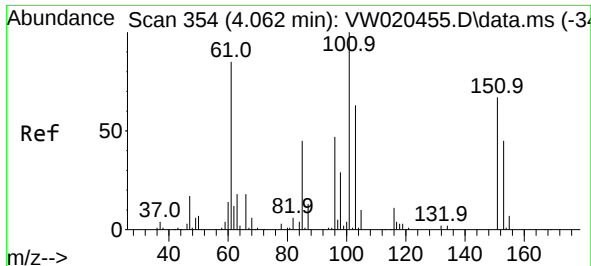
Tgt Ion: 64 Resp: 31684  
Ion Ratio Lower Upper  
64 100  
66 32.4 21.2 39.4



#9  
Trichlorofluoromethane  
Concen: 22.816 ug/L  
RT: 3.251 min Scan# 221  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion:101 Resp: 47669  
Ion Ratio Lower Upper  
101 100  
103 64.9 52.2 78.4

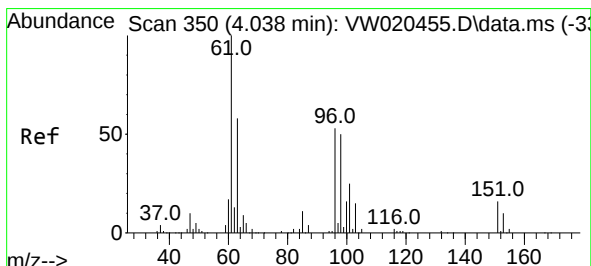
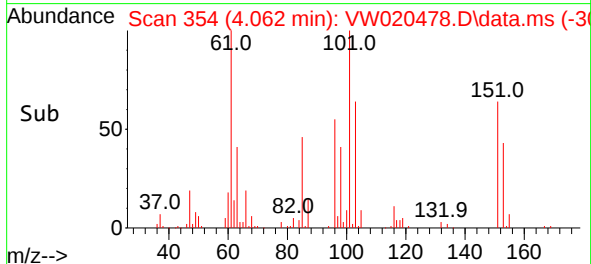
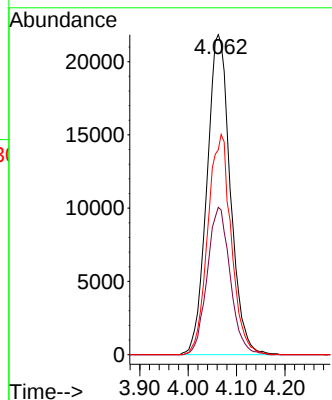
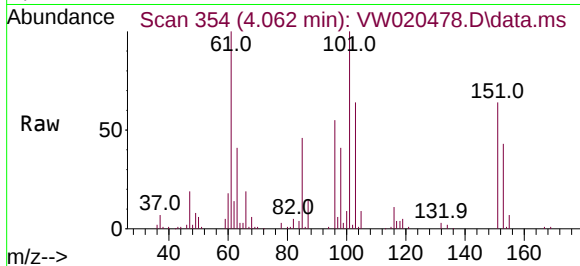




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 24.633 ug/L  
 RT: 4.062 min Scan# 354  
 Delta R.T. 0.000 min  
 Lab File: VW020478.D  
 Acq: 13 Oct 2021 22:17

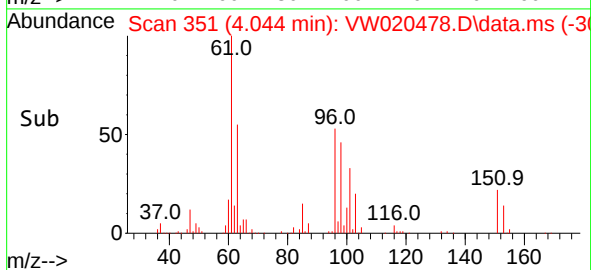
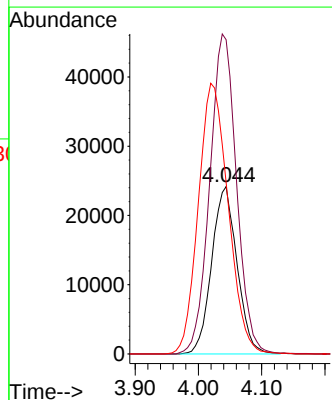
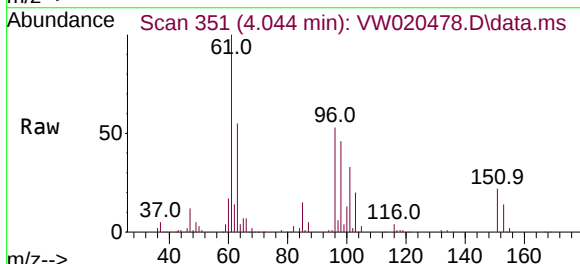
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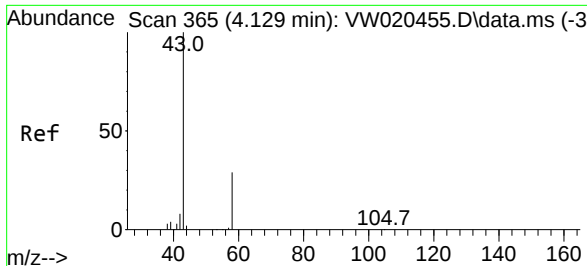
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 73397 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 45.3  | 36.3  | 54.5  |
| 151      | 68.8  | 56.5  | 84.7  |



#12  
 1,1-Dichloroethene  
 Concen: 24.608 ug/L  
 RT: 4.044 min Scan# 351  
 Delta R.T. 0.006 min  
 Lab File: VW020478.D  
 Acq: 13 Oct 2021 22:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 67228 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 187.8 | 133.9 | 248.7 |
| 63       | 102.5 | 77.3  | 143.7 |

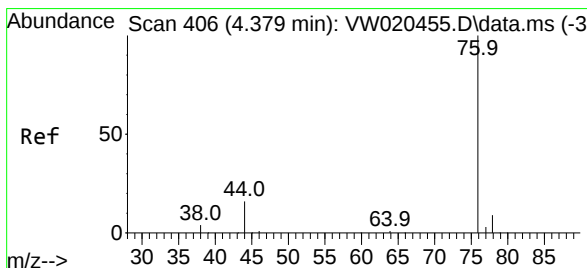
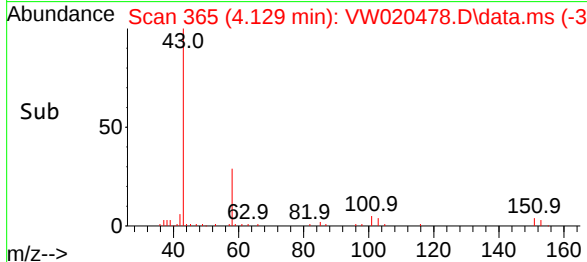
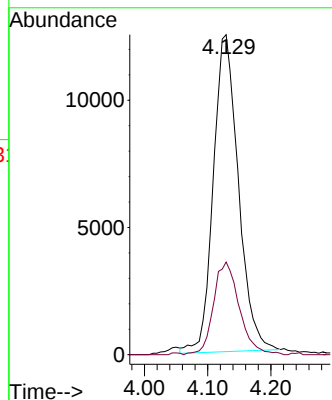
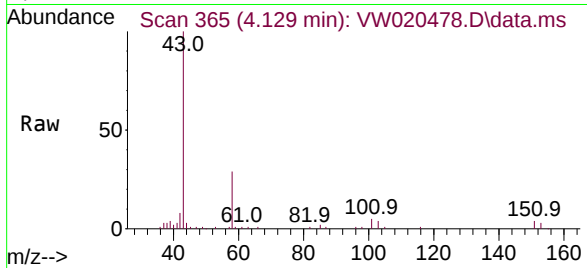




#13  
Acetone  
Concen: 43.430 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

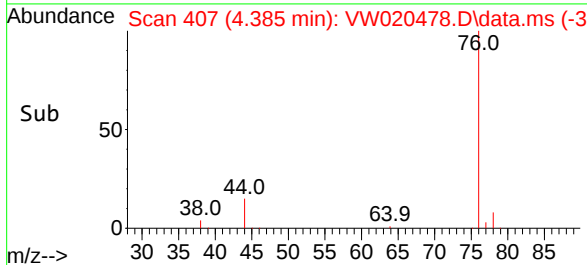
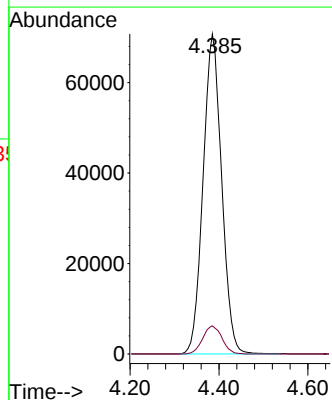
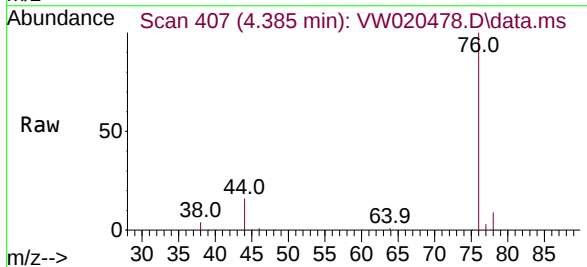
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

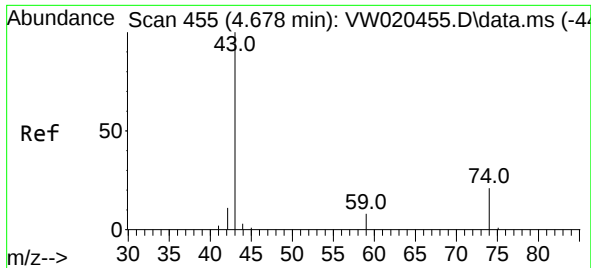
Tgt Ion: 43 Resp: 34309  
Ion Ratio Lower Upper  
43 100  
58 30.0 0.0 58.4



#14  
Carbon disulfide  
Concen: 23.159 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. 0.006 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion: 76 Resp: 205797  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.4 11.2

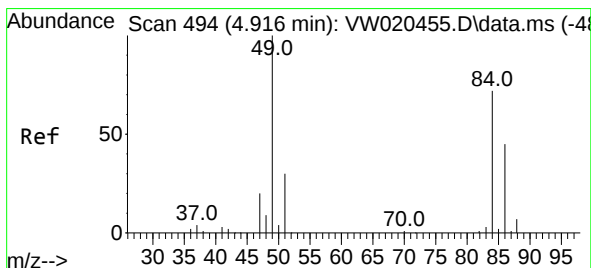
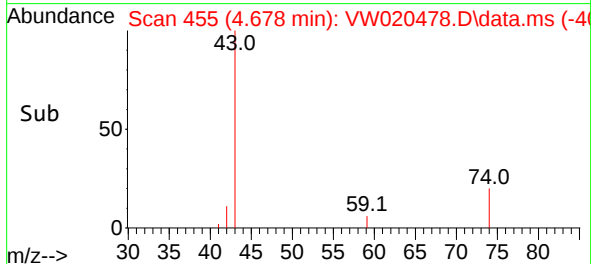
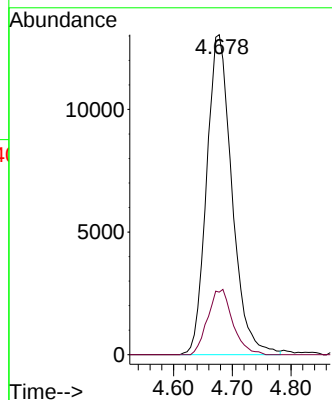
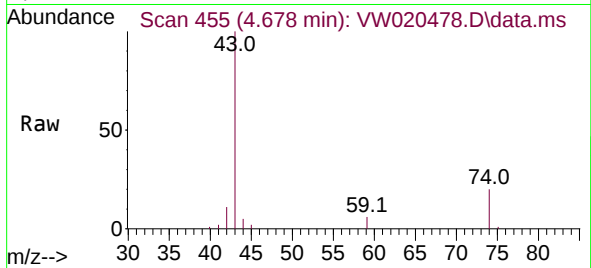




#15  
Methyl Acetate  
Concen: 26.639 ug/L  
RT: 4.678 min Scan# 455  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

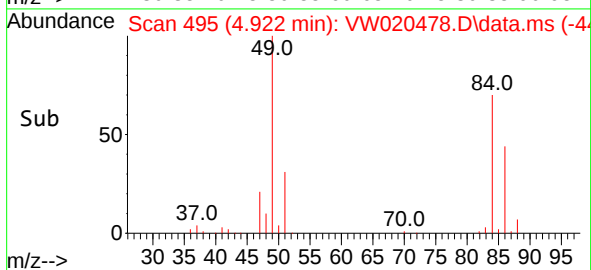
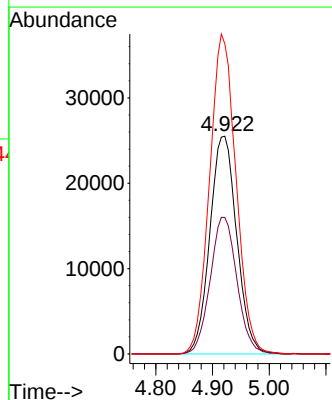
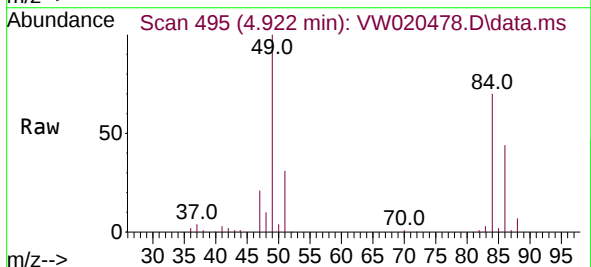
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

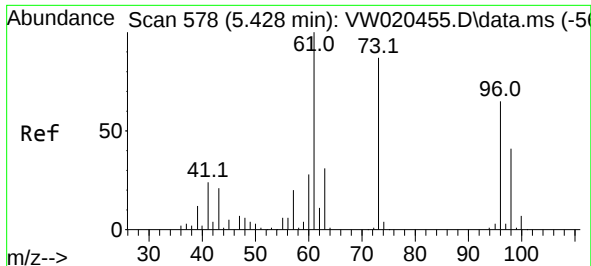
Tgt Ion: 43 Resp: 39081  
Ion Ratio Lower Upper  
43 100  
74 20.1 16.1 24.1



#16  
Methylene chloride  
Concen: 22.240 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion: 84 Resp: 84005  
Ion Ratio Lower Upper  
84 100  
86 62.7 44.7 83.1  
49 142.4 101.7 188.9

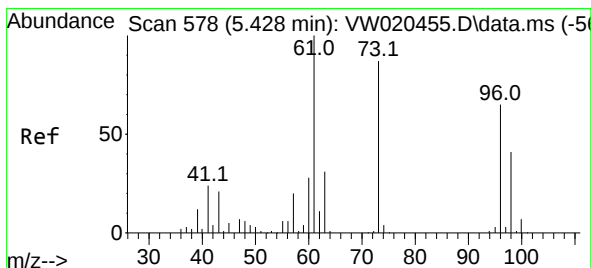
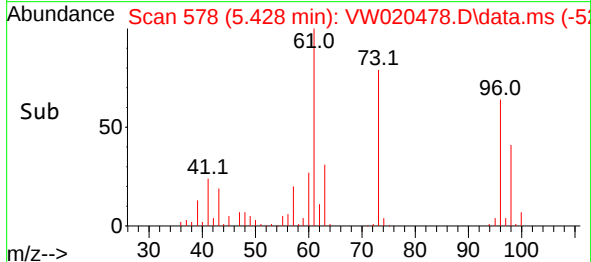
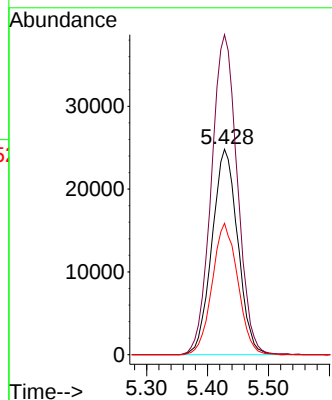
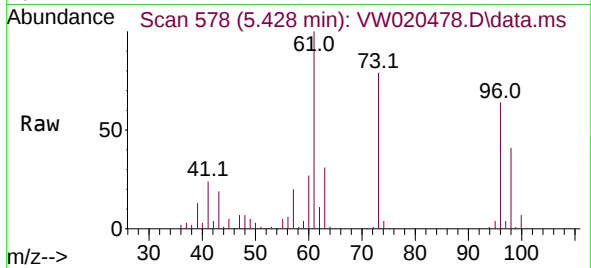




#17  
trans-1,2-Dichloroethene  
Concen: 25.468 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

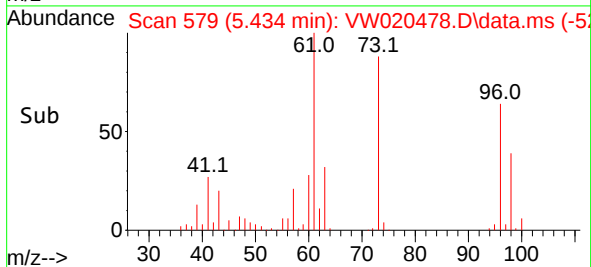
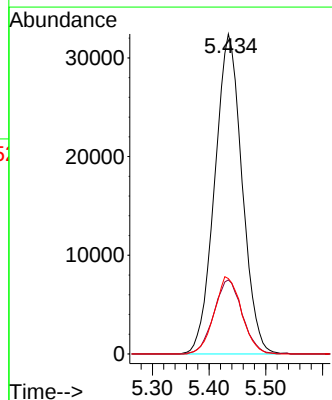
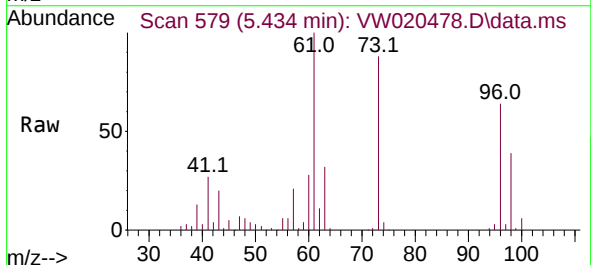
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

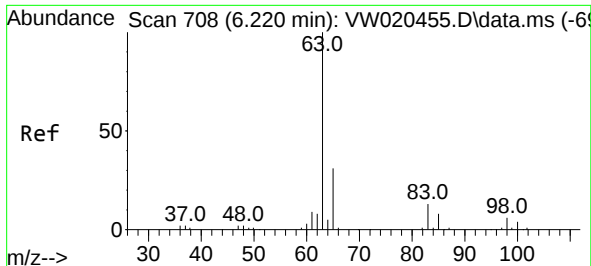
Tgt Ion: 96 Resp: 73000  
Ion Ratio Lower Upper  
96 100  
61 155.7 110.7 205.5  
98 64.0 43.9 81.5



#18  
Methyl tert-butyl Ether  
Concen: 26.910 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion: 73 Resp: 108671  
Ion Ratio Lower Upper  
73 100  
43 24.1 18.9 28.3  
57 24.1 18.9 28.3





#19

1,1-Dichloroethane

Concen: 25.968 ug/L

RT: 6.220 min Scan# 708

Delta R.T. 0.000 min

Lab File: VW020478.D

Acq: 13 Oct 2021 22:17

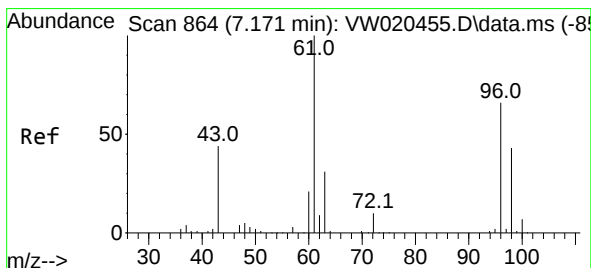
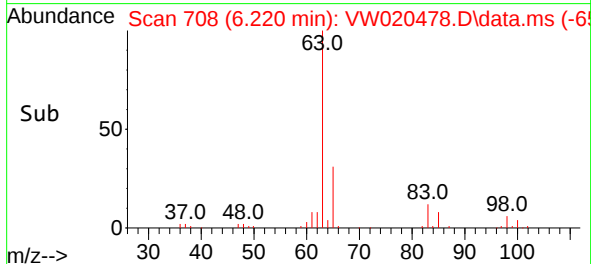
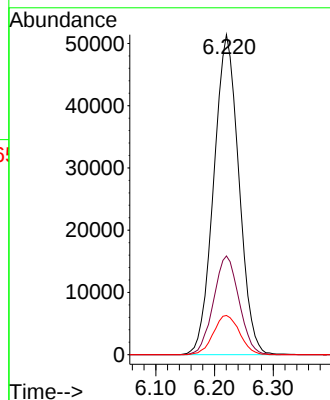
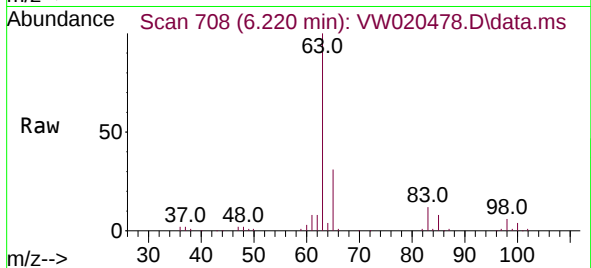
Tgt Ion: 63 Resp: 152589

Ion Ratio Lower Upper

63 100

65 30.8 21.9 40.7

83 12.2 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 26.620 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW020478.D

Acq: 13 Oct 2021 22:17

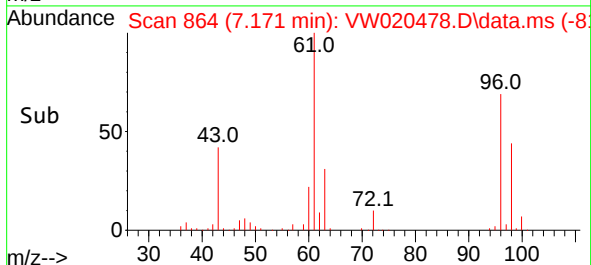
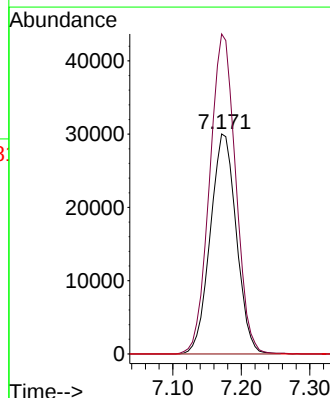
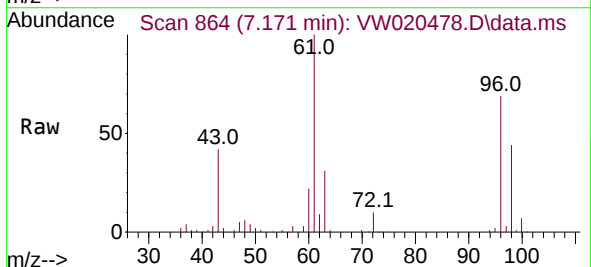
Tgt Ion: 96 Resp: 79308

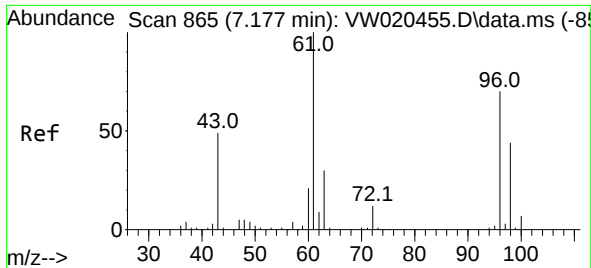
Ion Ratio Lower Upper

96 100

61 145.5 100.3 186.3

68 0.0 0.0 0.0

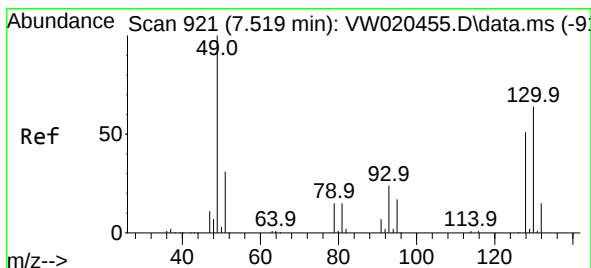
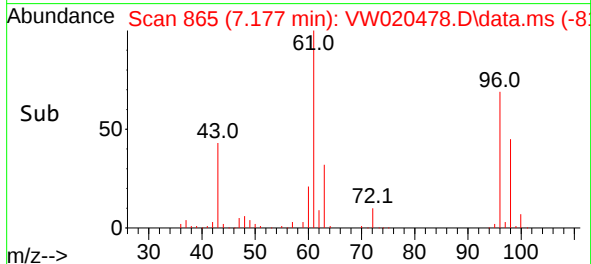
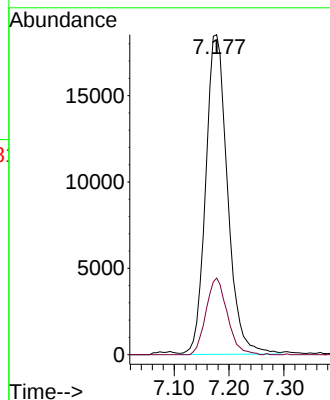
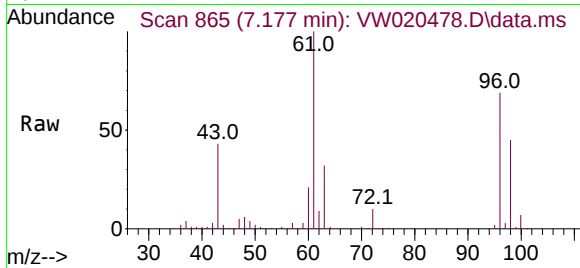




#22  
2-Butanone  
Concen: 51.767 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

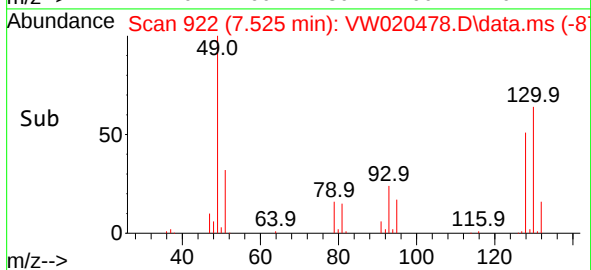
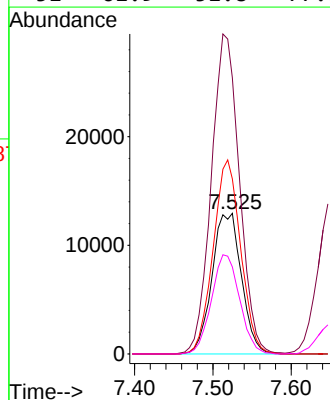
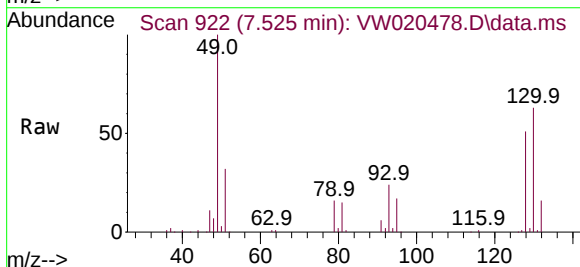
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

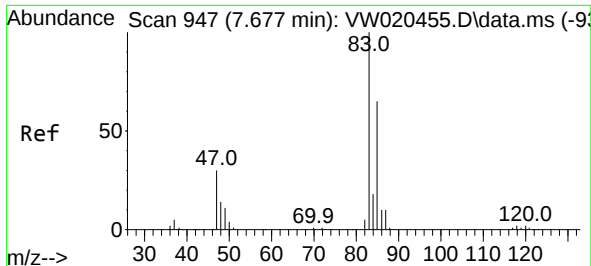
Tgt Ion: 43 Resp: 51191  
Ion Ratio Lower Upper  
43 100  
72 23.3 12.2 36.6



#23  
Bromochloromethane  
Concen: 25.853 ug/L  
RT: 7.525 min Scan# 922  
Delta R.T. 0.006 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion: 128 Resp: 33781  
Ion Ratio Lower Upper  
128 100  
49 196.3 144.1 267.7  
130 124.5 89.2 165.6  
51 61.9 51.8 77.8

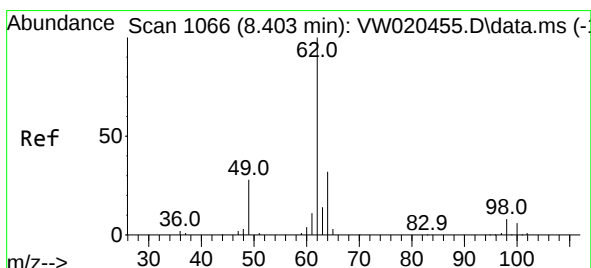
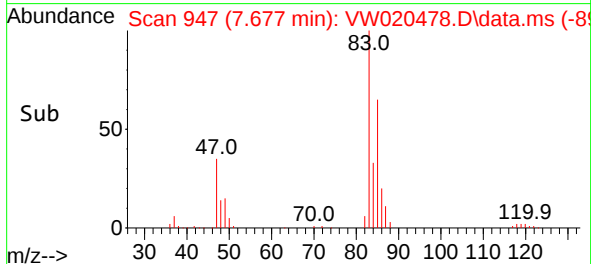
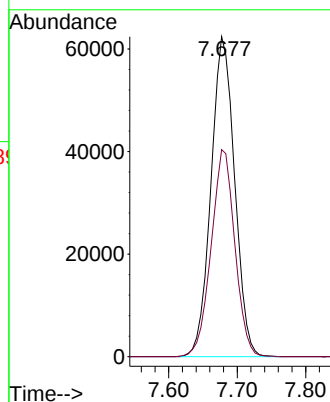
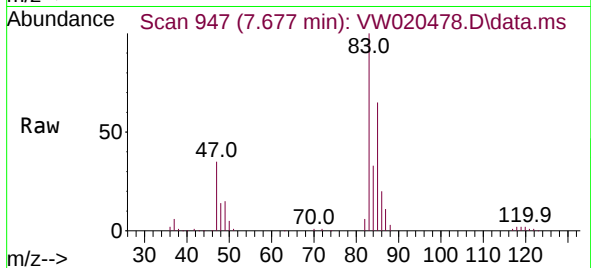




#25  
Chloroform  
Concen: 26.144 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

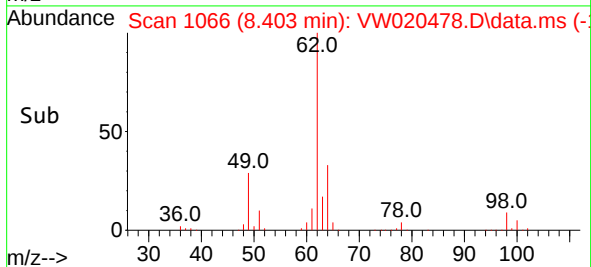
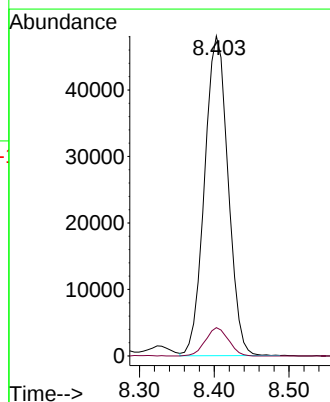
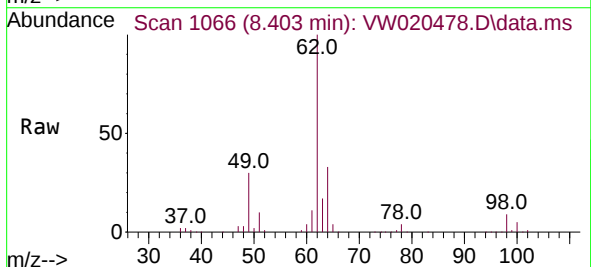
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

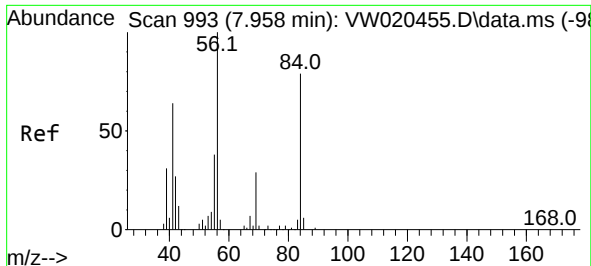
Tgt Ion: 83 Resp: 149346  
Ion Ratio Lower Upper  
83 100  
85 64.7 44.6 82.8



#27  
1,2-Dichloroethane  
Concen: 26.910 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion: 62 Resp: 105139  
Ion Ratio Lower Upper  
62 100  
98 8.9 6.6 10.0





#29

Cyclohexane

Concen: 24.866 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.000 min

Lab File: VW020478.D

Acq: 13 Oct 2021 22:17

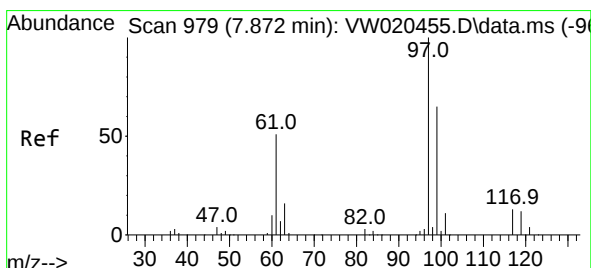
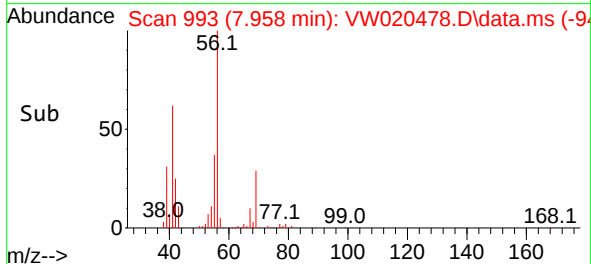
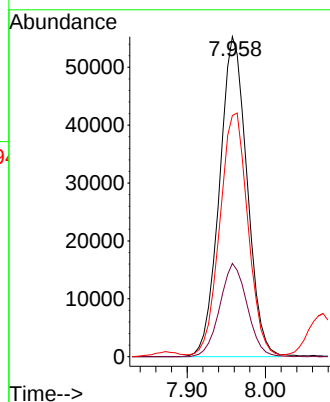
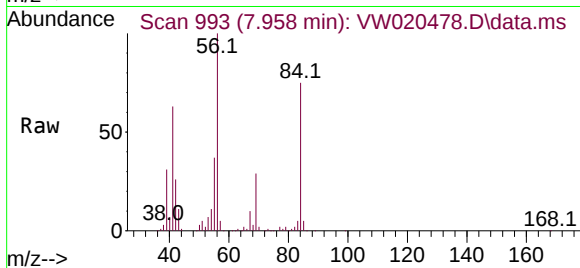
Instrument :

MSVOA\_W

ClientSampleId :

VSTD025032

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 56    | Resp: | 135171 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 28.9  | 23.2  | 34.8   |
| 84        | 77.9  | 63.7  | 95.5   |



#30

1,1,1-Trichloroethane

Concen: 24.688 ug/L

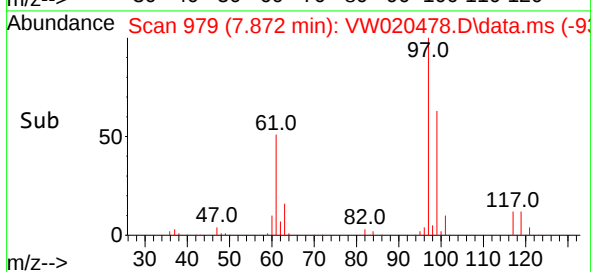
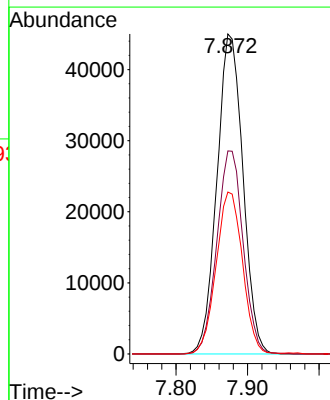
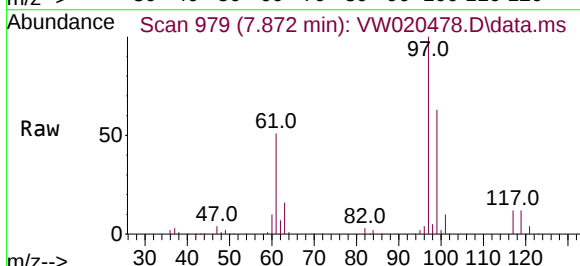
RT: 7.872 min Scan# 979

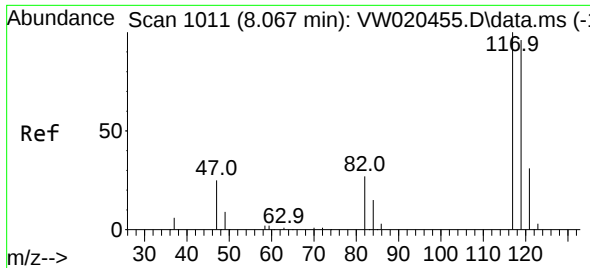
Delta R.T. 0.000 min

Lab File: VW020478.D

Acq: 13 Oct 2021 22:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 113875 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.0  | 51.4  | 77.0   |
| 61        | 51.3  | 41.0  | 61.6   |

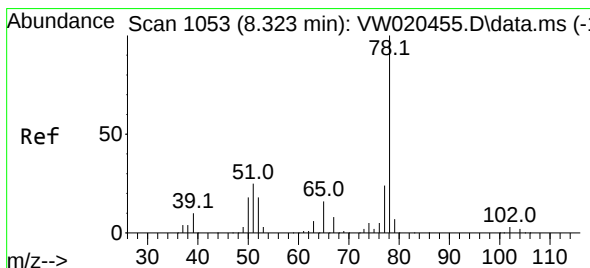
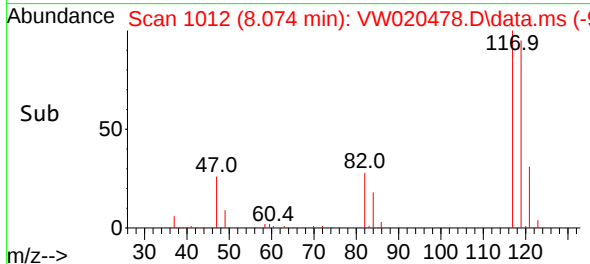
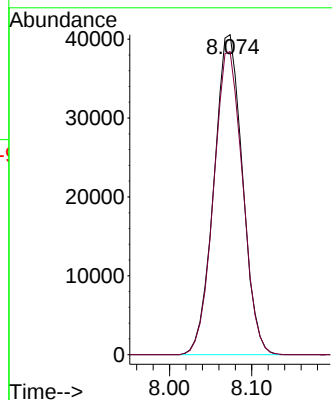
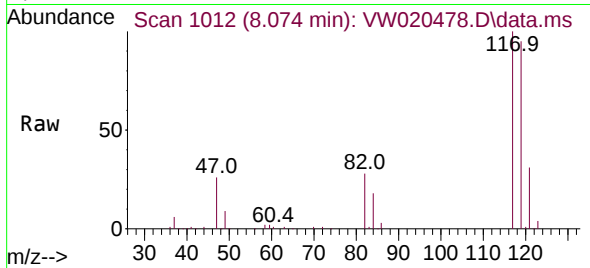




#31  
Carbon tetrachloride  
Concen: 24.141 ug/L  
RT: 8.074 min Scan# 1012  
Delta R.T. 0.006 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

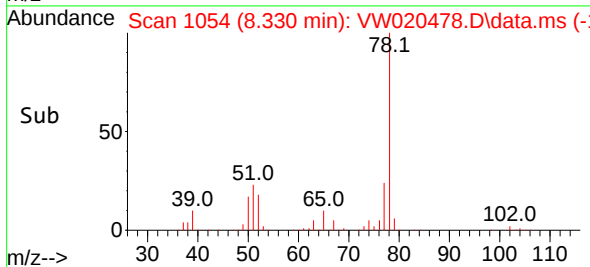
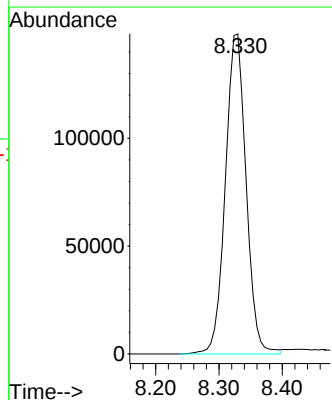
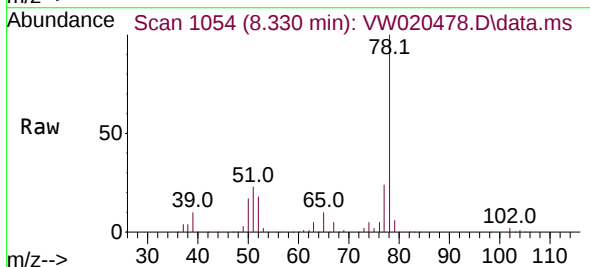
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

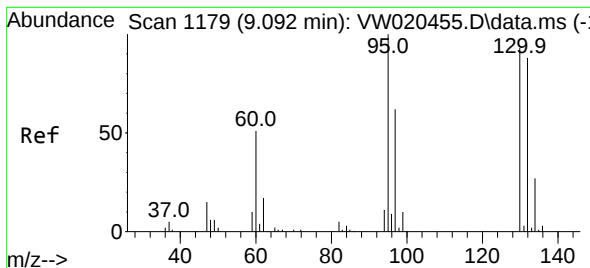
Tgt Ion:117 Resp: 97903  
Ion Ratio Lower Upper  
117 100  
119 96.3 77.0 115.4



#33  
Benzene  
Concen: 25.536 ug/L  
RT: 8.330 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion: 78 Resp: 337709





#34

Trichloroethene

Concen: 24.353 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW020478.D

Acq: 13 Oct 2021 22:17

Tgt Ion: 95 Resp: 79342

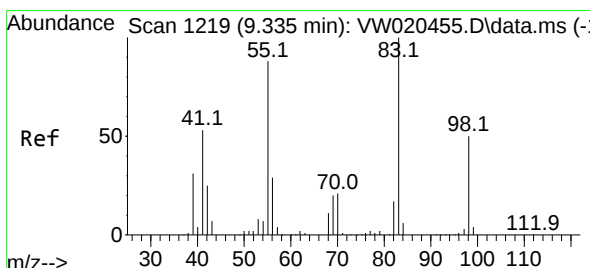
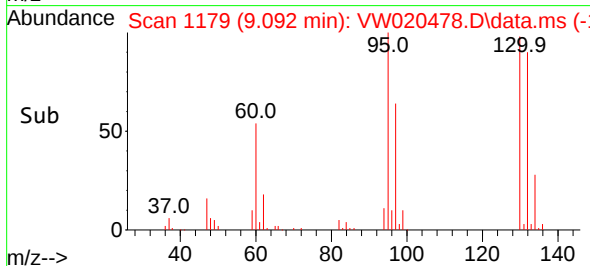
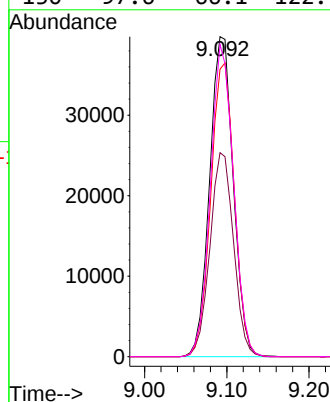
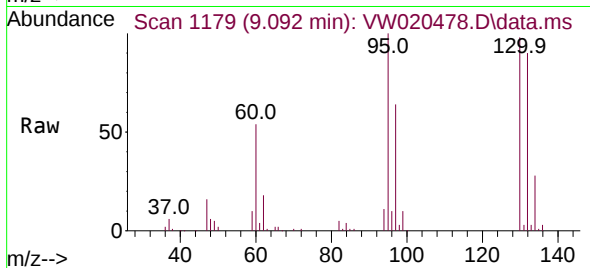
Ion Ratio Lower Upper

95 100

97 63.8 43.2 80.2

132 89.9 62.3 115.7

130 97.6 66.1 122.7



#35

Methylcyclohexane

Concen: 24.438 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW020478.D

Acq: 13 Oct 2021 22:17

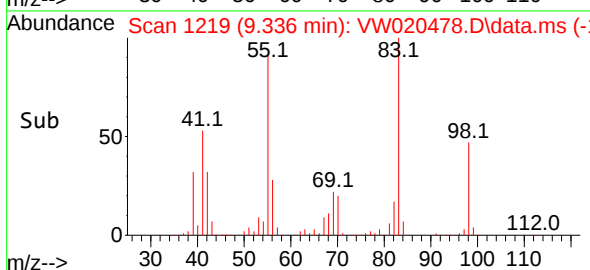
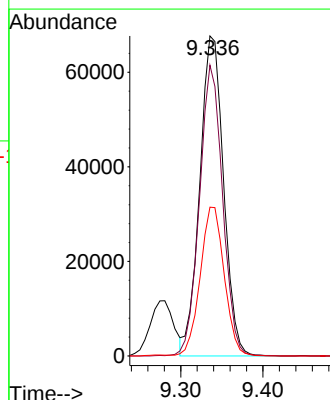
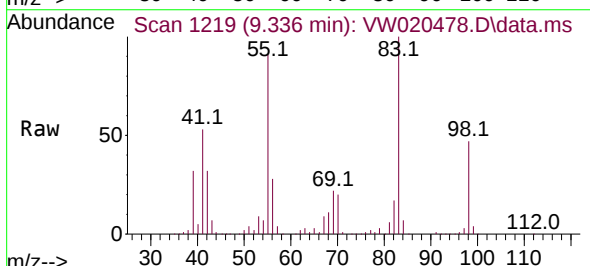
Tgt Ion: 83 Resp: 136252

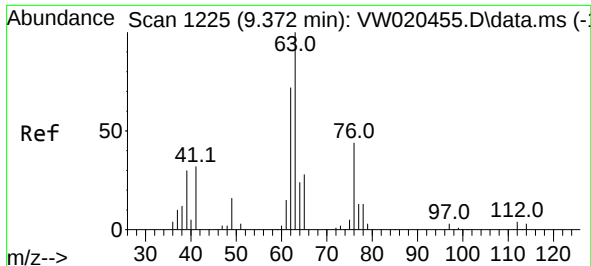
Ion Ratio Lower Upper

83 100

55 88.3 69.7 104.5

98 47.0 38.2 57.2

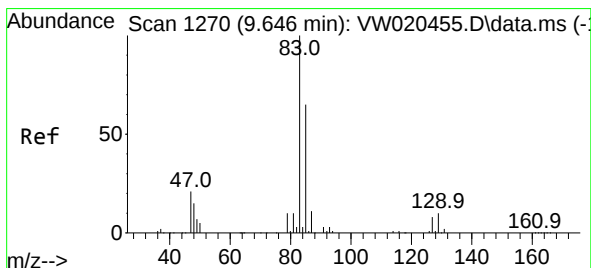
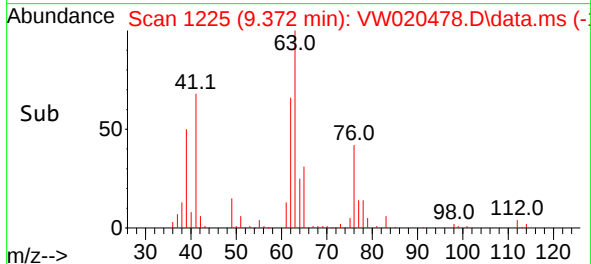
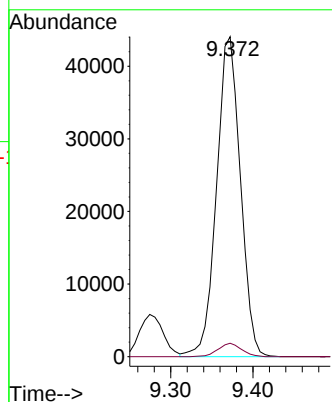
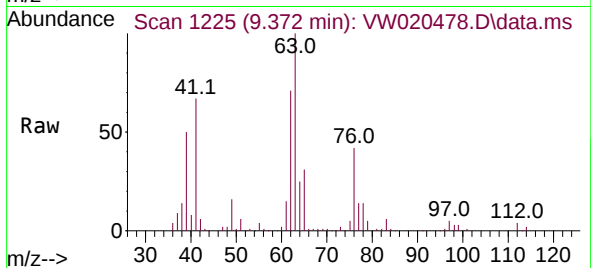




#37  
1,2-Dichloropropane  
Concen: 25.900 ug/L  
RT: 9.372 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

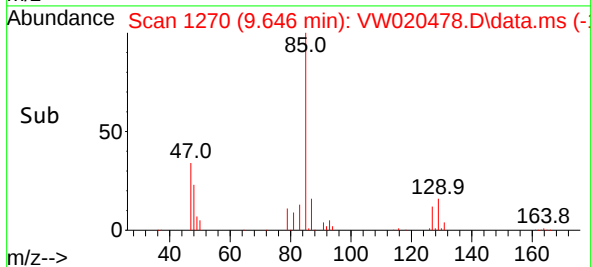
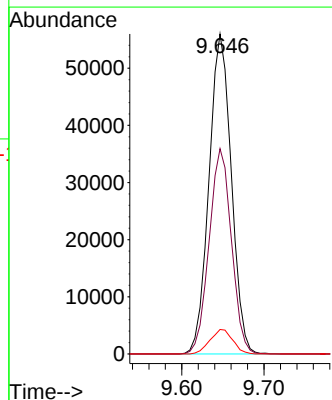
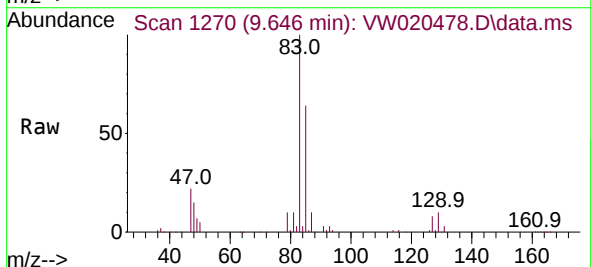
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

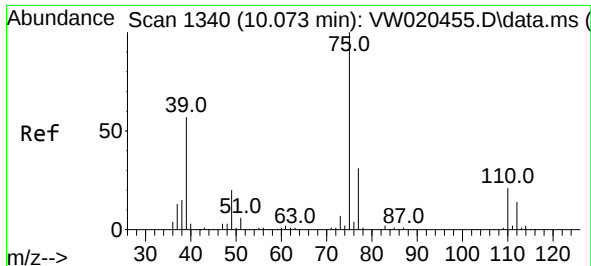
Tgt Ion: 63 Resp: 88700  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.5 5.3



#38  
Bromodichloromethane  
Concen: 25.716 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion: 83 Resp: 105592  
Ion Ratio Lower Upper  
83 100  
85 64.1 43.4 80.6  
127 7.6 6.2 9.2

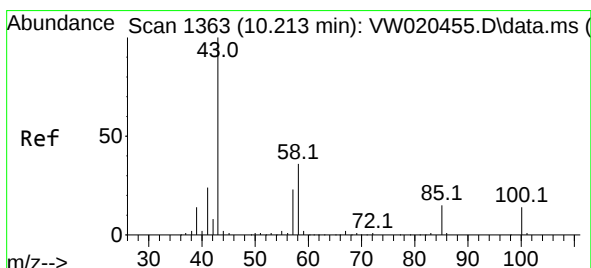
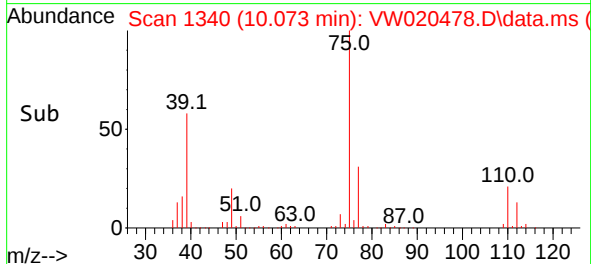
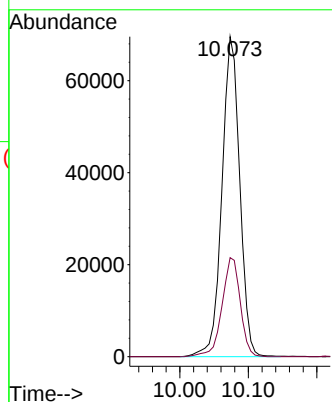
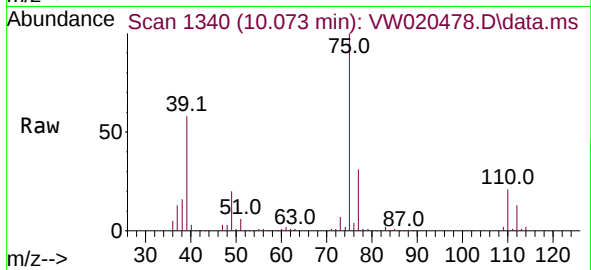




#39  
cis-1,3-Dichloropropene  
Concen: 26.500 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

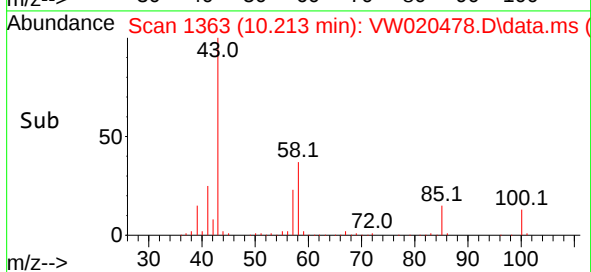
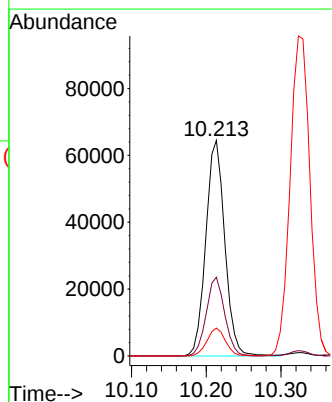
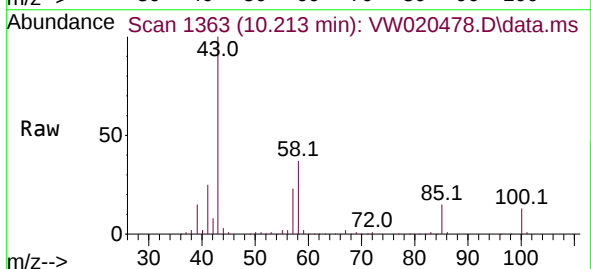
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

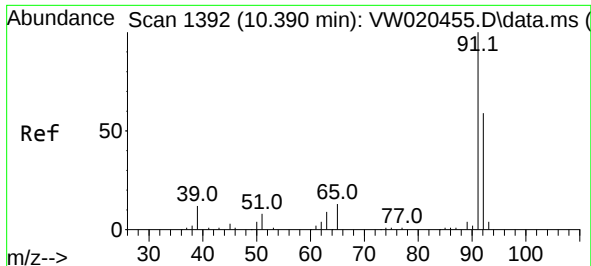
Tgt Ion: 75 Resp: 125217  
Ion Ratio Lower Upper  
75 100  
77 31.0 22.4 41.6



#40  
4-Methyl-2-pentanone  
Concen: 55.357 ug/L  
RT: 10.213 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion: 43 Resp: 113789  
Ion Ratio Lower Upper  
43 100  
58 35.7 29.0 43.4  
100 12.5 10.2 15.4





#42

Toluene

Concen: 25.822 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VW020478.D

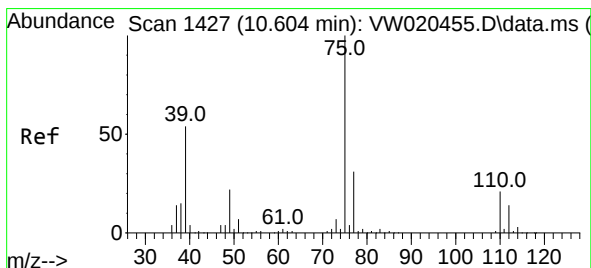
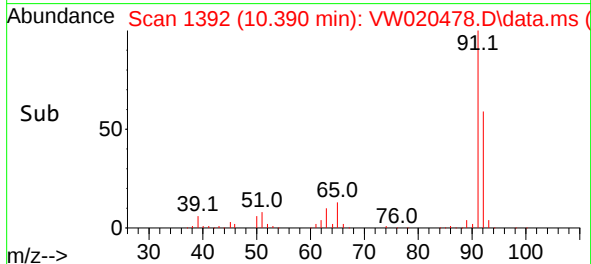
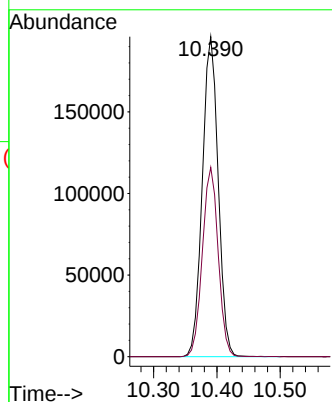
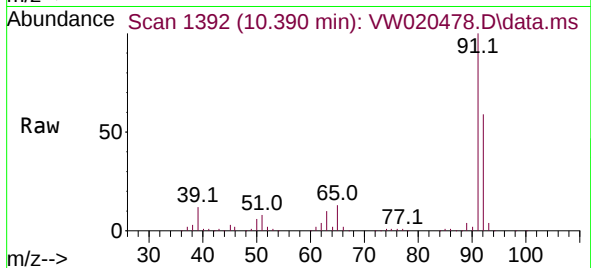
Acq: 13 Oct 2021 22:17

Tgt Ion: 91 Resp: 342537

Ion Ratio Lower Upper

91 100

92 59.1 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 26.604 ug/L

RT: 10.610 min Scan# 1428

Delta R.T. 0.006 min

Lab File: VW020478.D

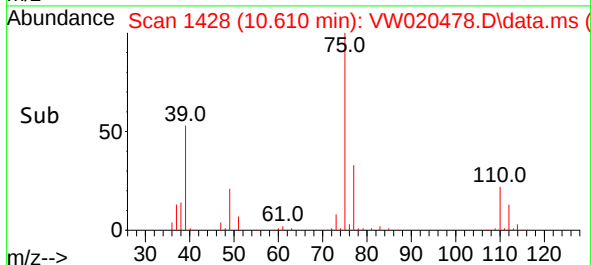
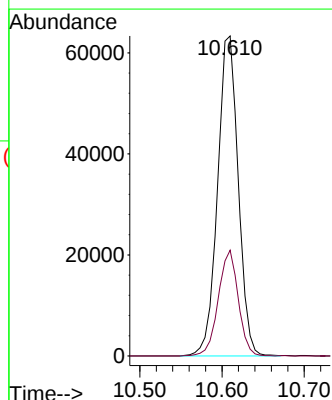
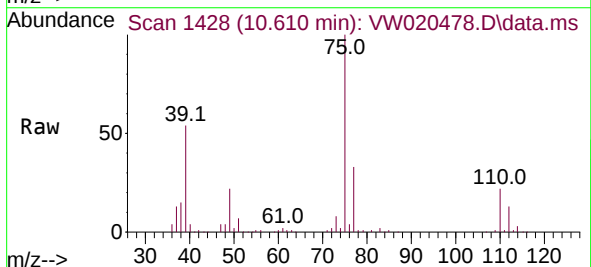
Acq: 13 Oct 2021 22:17

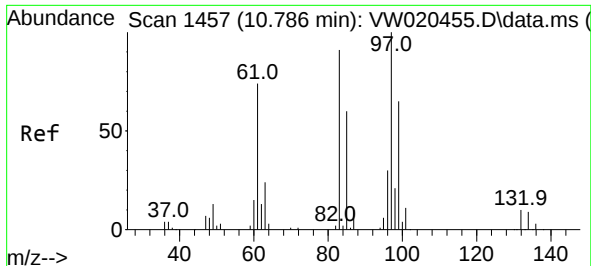
Tgt Ion: 75 Resp: 110816

Ion Ratio Lower Upper

75 100

77 33.0 21.8 40.4

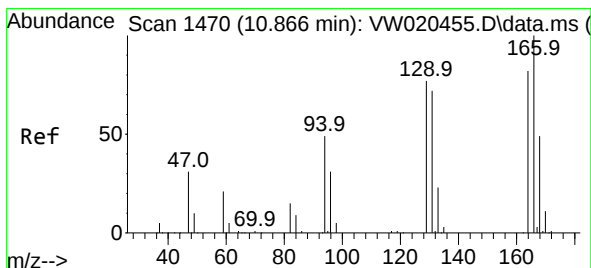
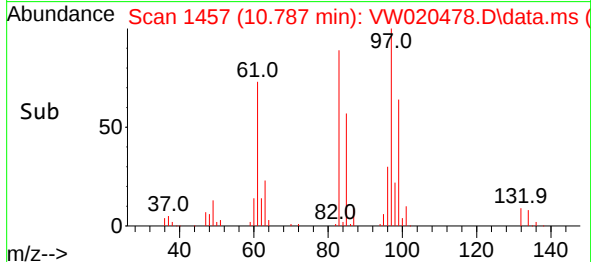
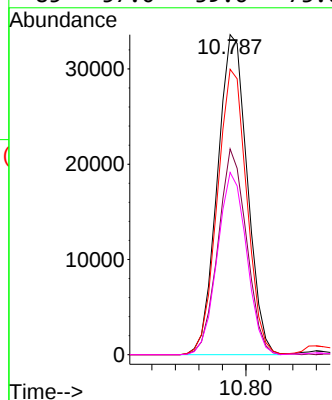
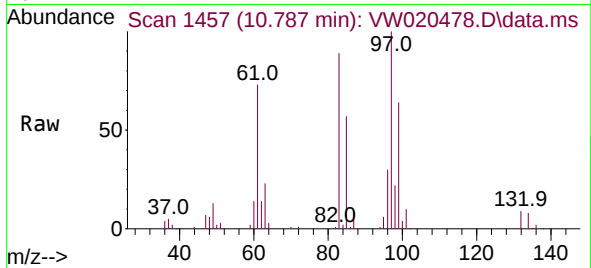




#45  
1,1,2-Trichloroethane  
Concen: 26.961 ug/L  
RT: 10.787 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

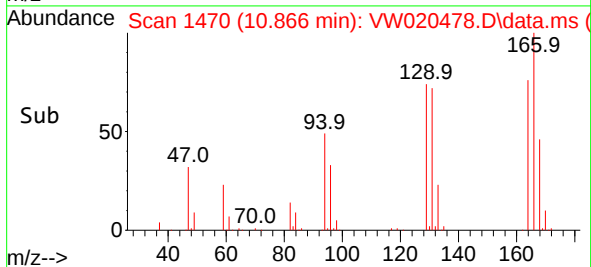
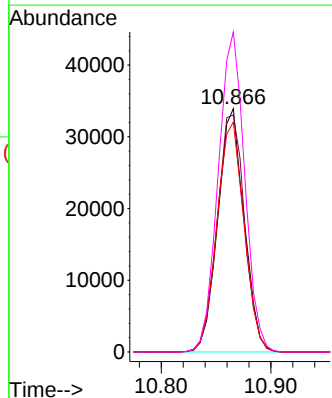
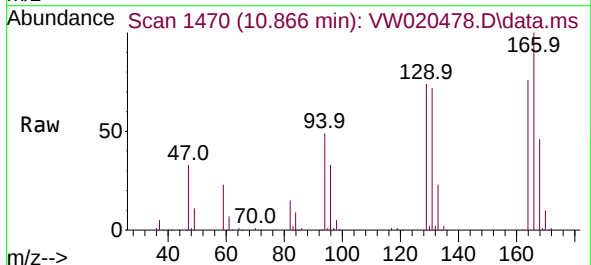
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

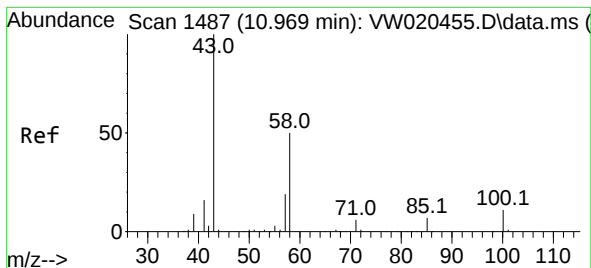
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 59285 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.3  | 42.8  | 79.4  |
| 83       | 89.2  | 60.9  | 113.1 |
| 85       | 57.0  | 39.6  | 73.6  |



#46  
Tetrachloroethene  
Concen: 24.089 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 56373 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 97.4  | 69.1  | 128.3 |
| 131      | 94.5  | 58.3  | 108.3 |
| 166      | 131.6 | 90.4  | 168.0 |

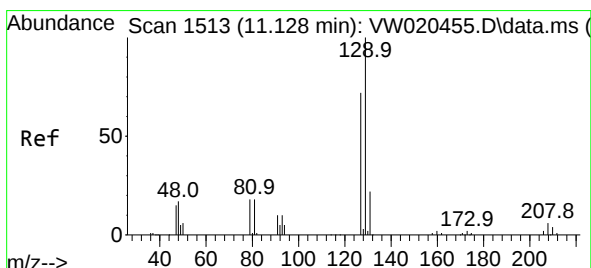
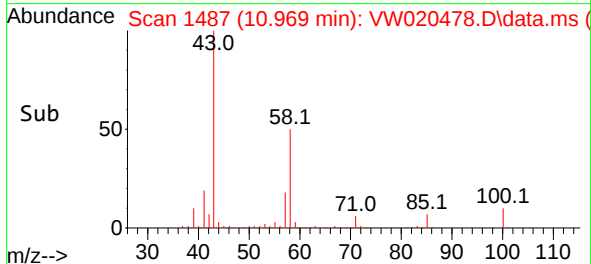
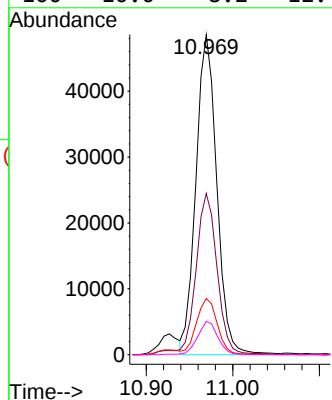
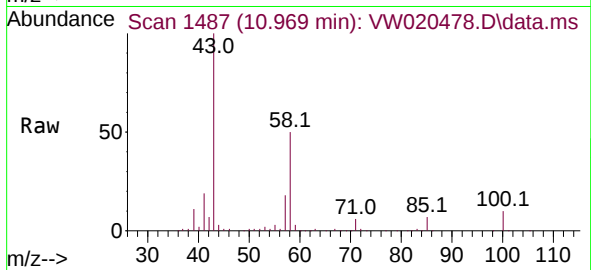




#48  
2-Hexanone  
Concen: 54.028 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

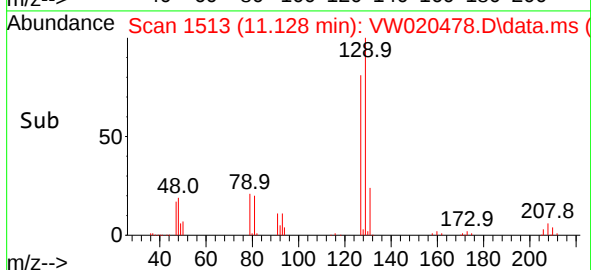
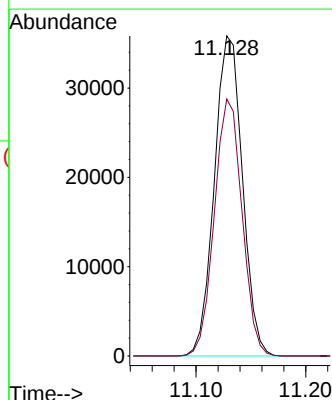
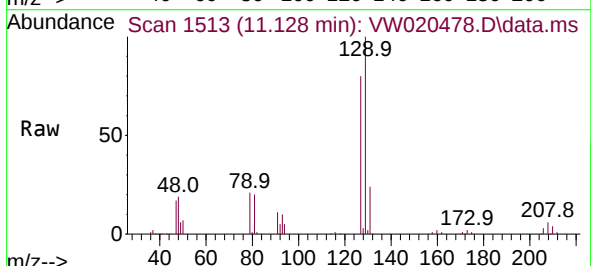
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

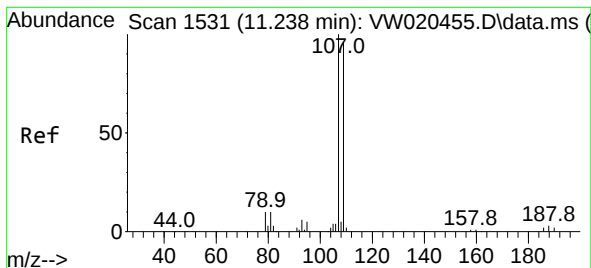
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 81482 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 49.4  | 39.5  | 59.3  |
| 57       | 17.4  | 14.2  | 21.4  |
| 100      | 10.0  | 8.2   | 12.4  |



#49  
Dibromochloromethane  
Concen: 26.354 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 63843 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 80.3  | 55.1  | 102.3 |

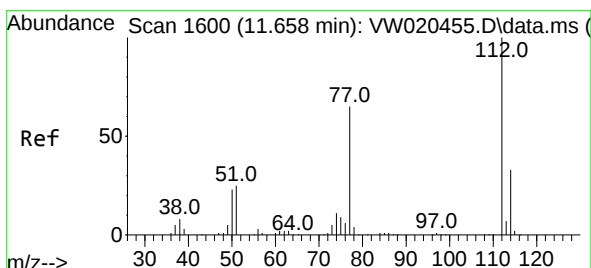
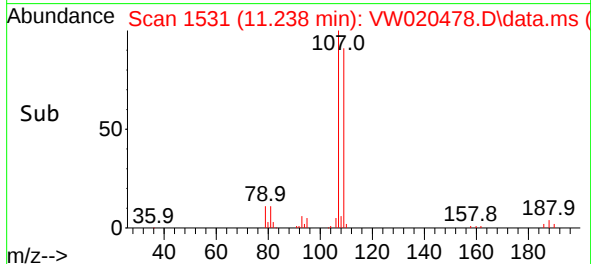
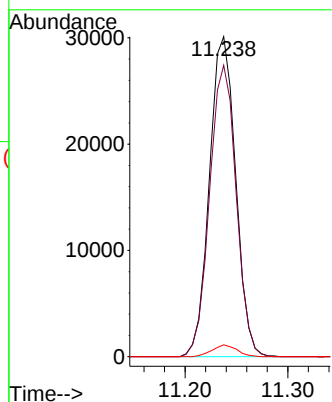
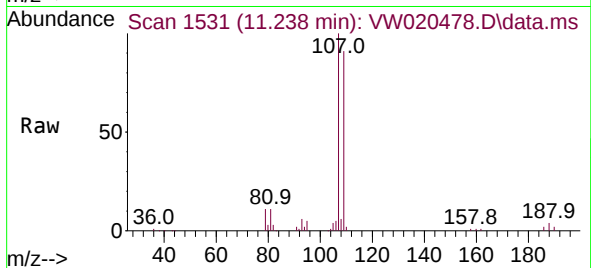




#50  
1,2-Dibromoethane  
Concen: 26.413 ug/L  
RT: 11.238 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

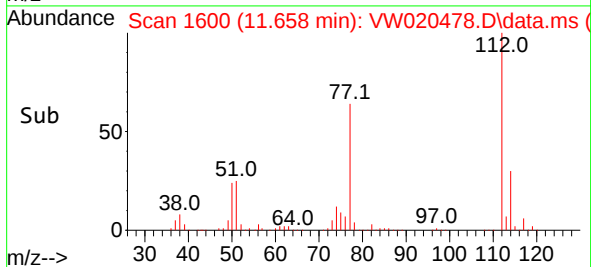
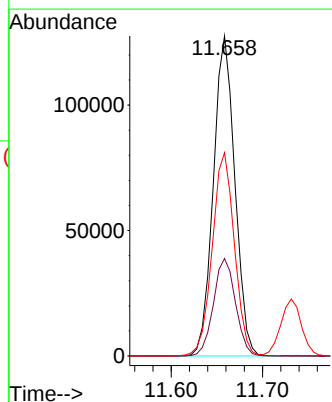
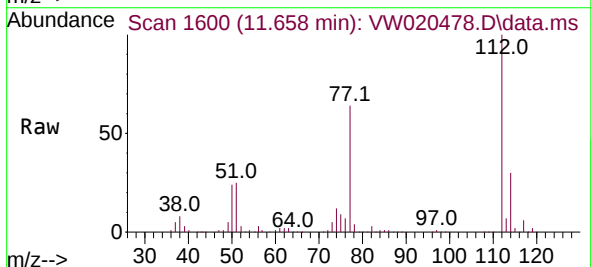
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MSVOA\_W  
ClientSampleId :  
VSTD025032

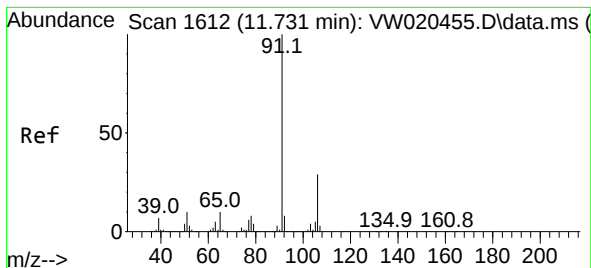
Tgt Ion:107 Resp: 53349  
Ion Ratio Lower Upper  
107 100  
109 91.0 64.5 119.9  
188 3.7 3.2 4.8



#51  
Chlorobenzene  
Concen: 25.567 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion:112 Resp: 209139  
Ion Ratio Lower Upper  
112 100  
114 30.4 22.3 41.5  
77 63.5 50.7 76.1

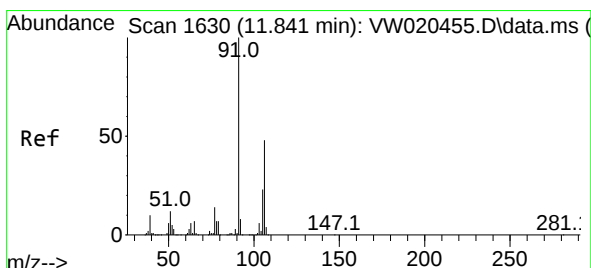
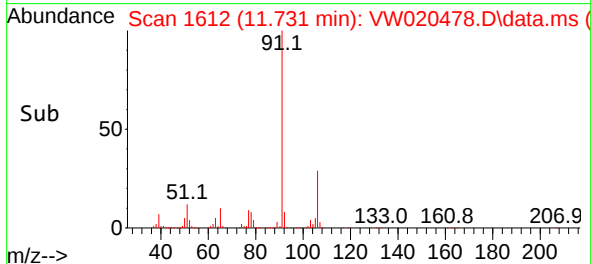
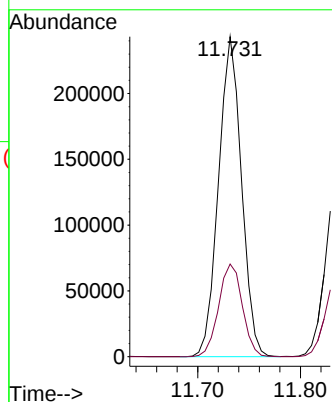
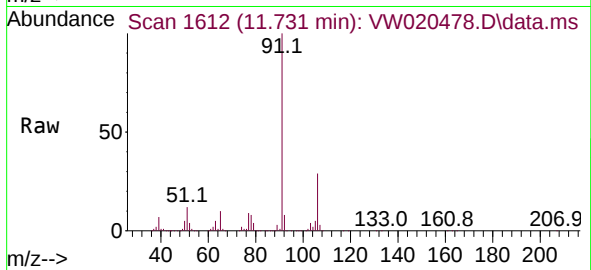




#52  
Ethylbenzene  
Concen: 26.218 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

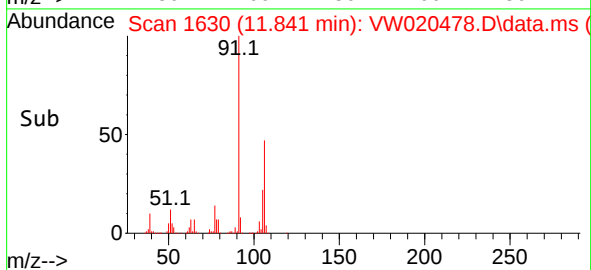
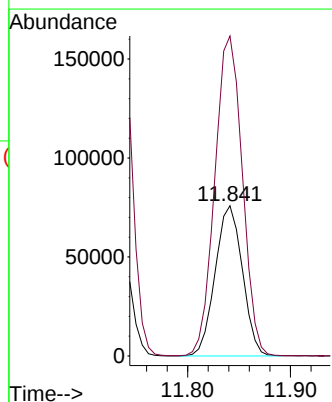
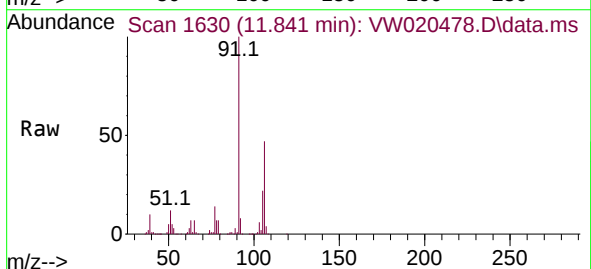
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

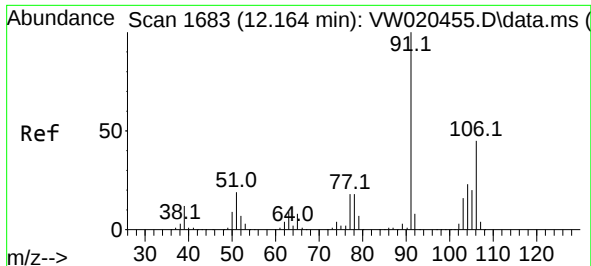
Tgt Ion: 91 Resp: 377135  
Ion Ratio Lower Upper  
91 100  
106 29.0 21.3 39.5



#53  
m,p-Xylene  
Concen: 26.215 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion:106 Resp: 139717  
Ion Ratio Lower Upper  
106 100  
91 212.9 148.2 275.2

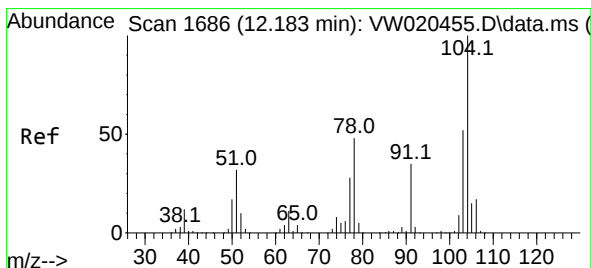
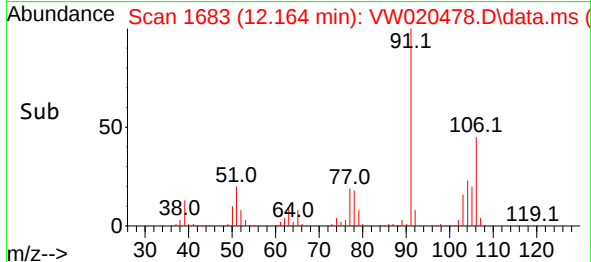
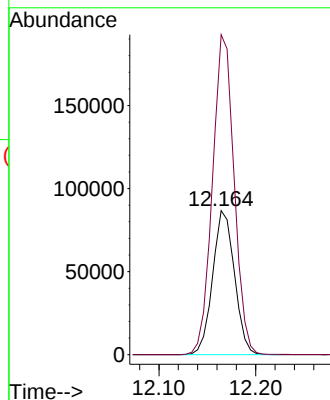
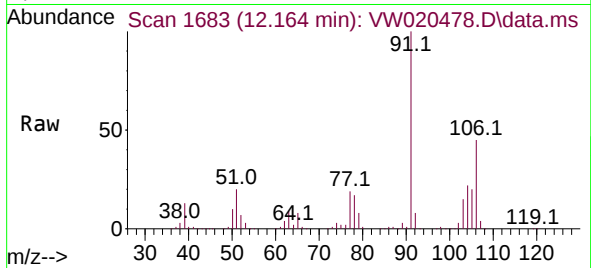




#54  
o-Xylene  
Concen: 27.581 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

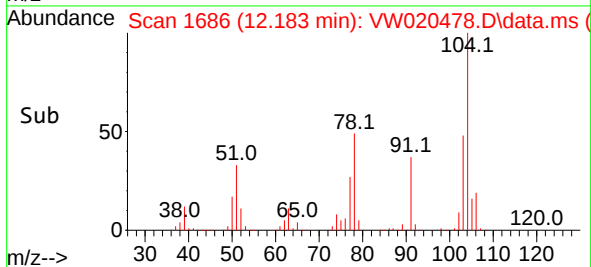
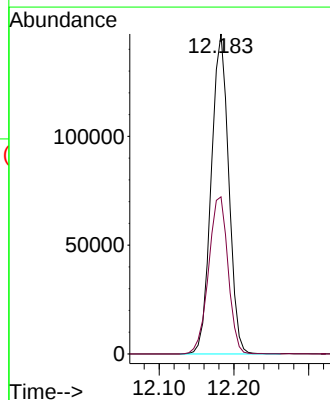
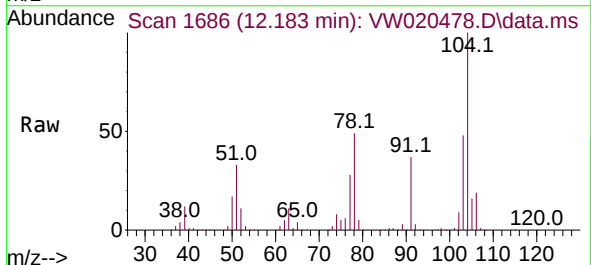
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD025032

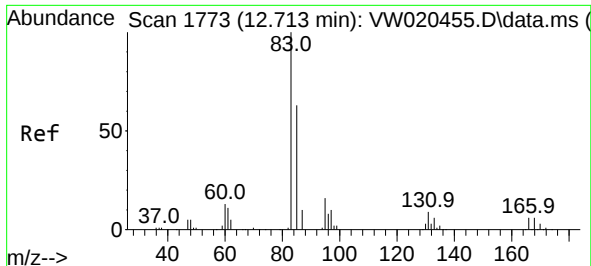
Tgt Ion:106 Resp: 135755  
Ion Ratio Lower Upper  
106 100  
91 222.2 156.1 289.9



#55  
Styrene  
Concen: 27.758 ug/L  
RT: 12.183 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion:104 Resp: 238887  
Ion Ratio Lower Upper  
104 100  
78 49.1 33.2 61.7

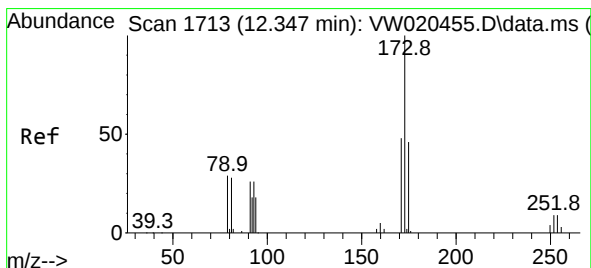
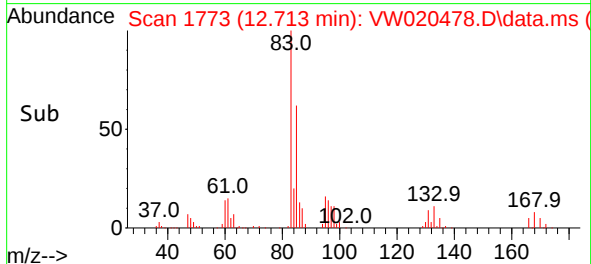
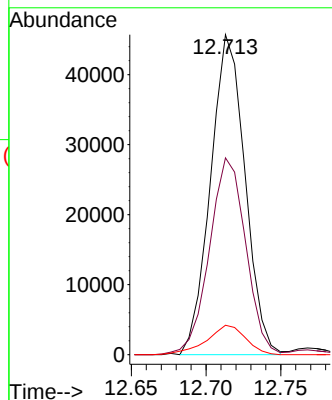
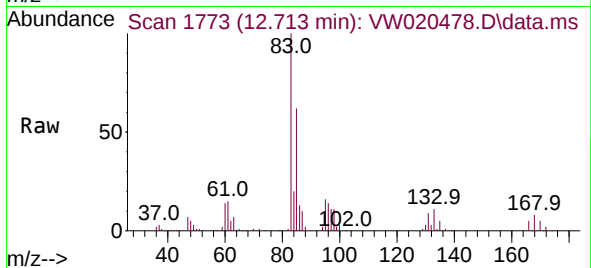




#57  
1,1,2,2-Tetrachloroethane  
Concen: 26.917 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

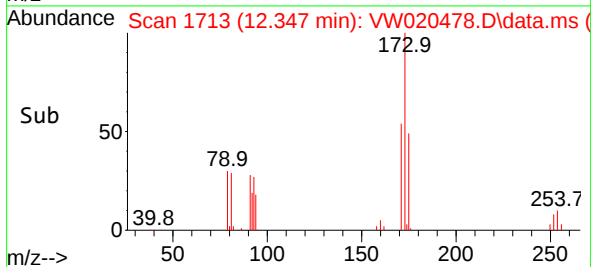
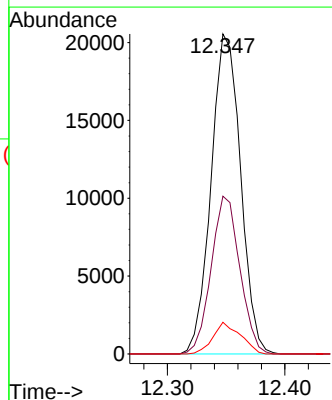
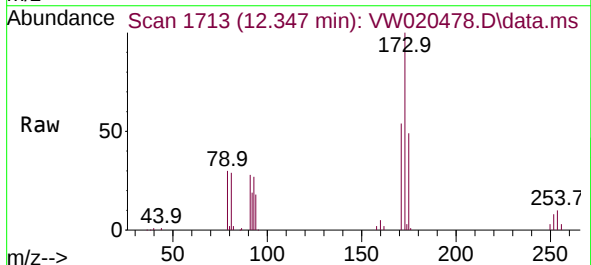
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

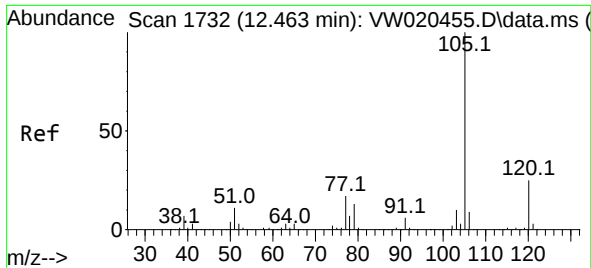
Tgt Ion: 83 Resp: 73375  
Ion Ratio Lower Upper  
83 100  
85 61.5 45.9 85.3  
131 9.2 7.4 11.2



#59  
Bromoform  
Concen: 26.269 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion:173 Resp: 35848  
Ion Ratio Lower Upper  
173 100  
175 47.9 38.6 57.8  
254 9.2 7.3 10.9

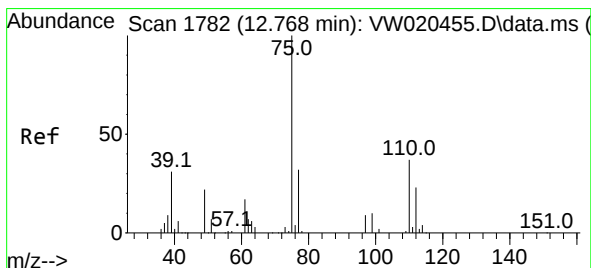
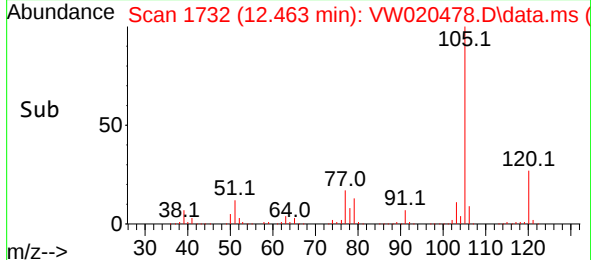
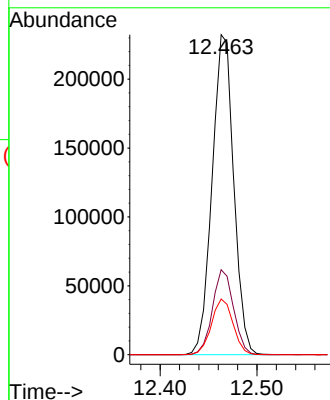
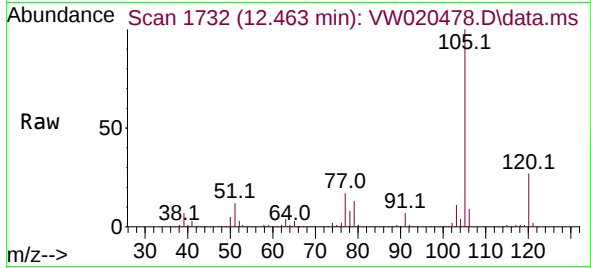




#60  
Isopropylbenzene  
Concen: 25.226 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

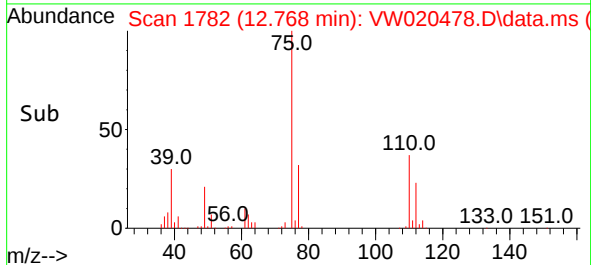
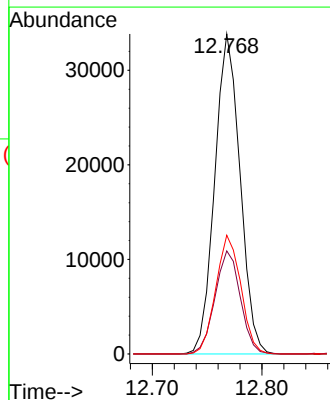
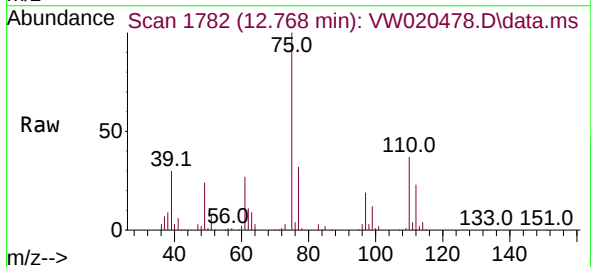
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

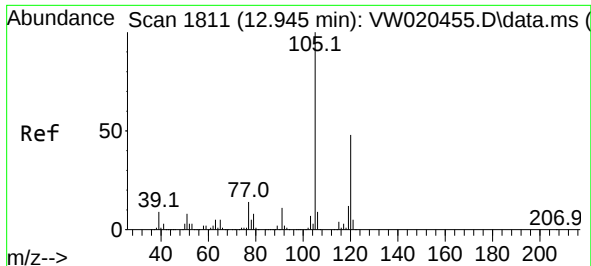
Tgt Ion:105 Resp: 360679  
Ion Ratio Lower Upper  
105 100  
120 25.8 20.3 30.5  
77 17.4 13.8 20.6



#61  
1,2,3-Trichloropropane  
Concen: 25.267 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion: 75 Resp: 54225  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.1 37.7  
110 36.8 29.4 44.0

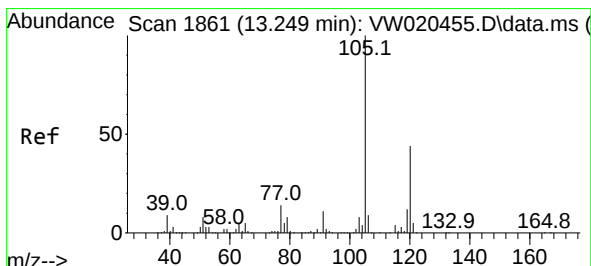
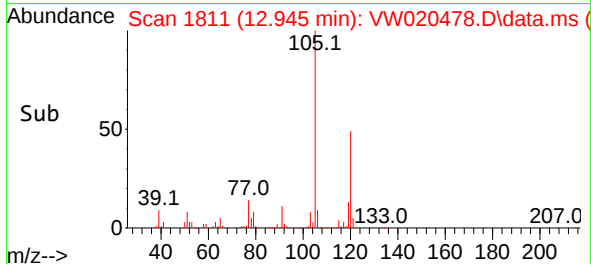
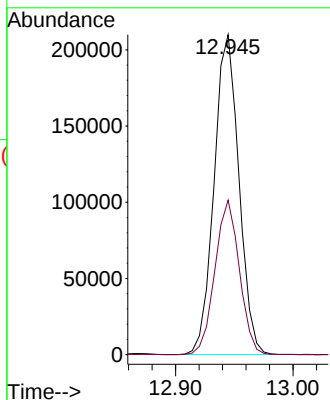
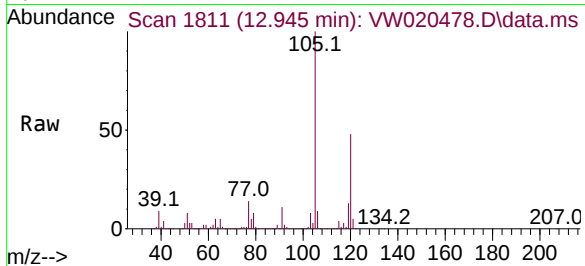




#62  
1,3,5-Trimethylbenzene  
Concen: 26.381 ug/L  
RT: 12.945 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

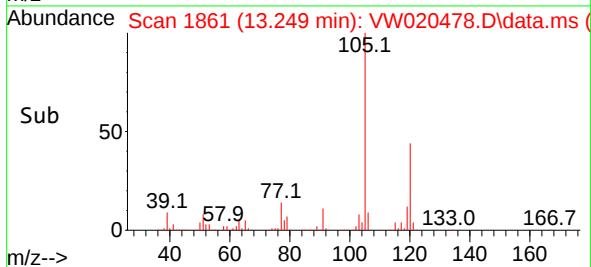
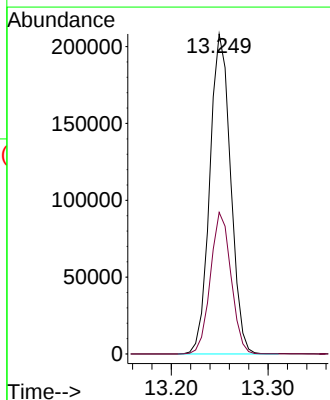
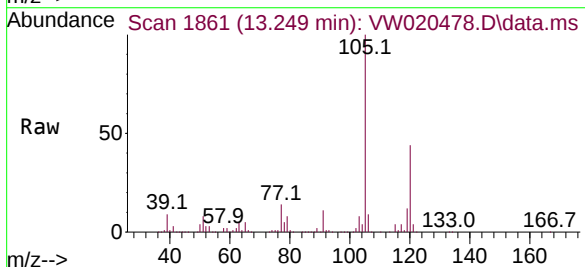
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

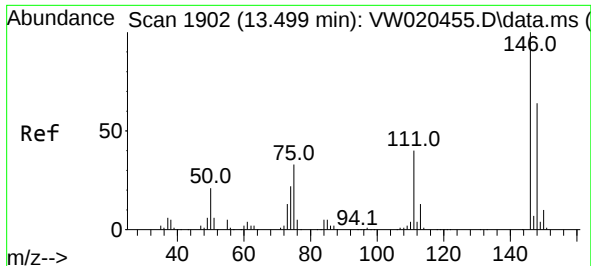
Tgt Ion:105 Resp: 307963  
Ion Ratio Lower Upper  
105 100  
120 47.6 37.9 56.9



#63  
1,2,4-Trimethylbenzene  
Concen: 26.972 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion:105 Resp: 311883  
Ion Ratio Lower Upper  
105 100  
120 43.7 35.4 53.2

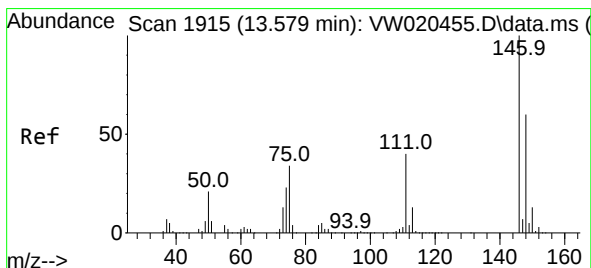
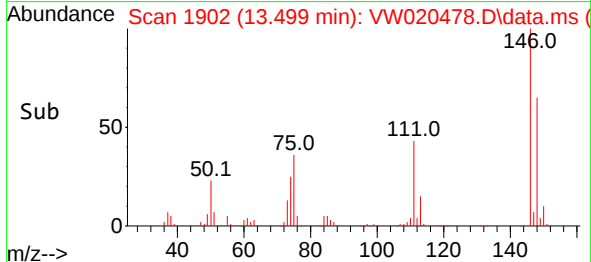
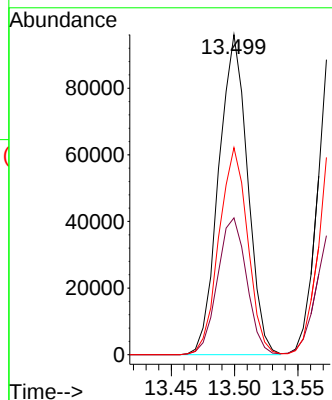
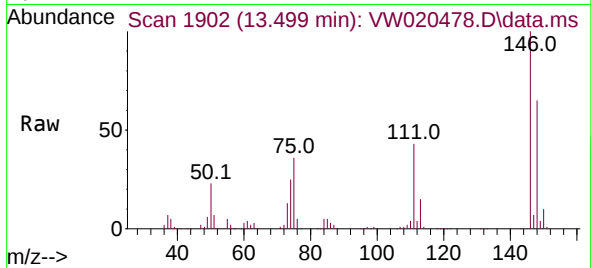




#64  
1,3-Dichlorobenzene  
Concen: 24.665 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

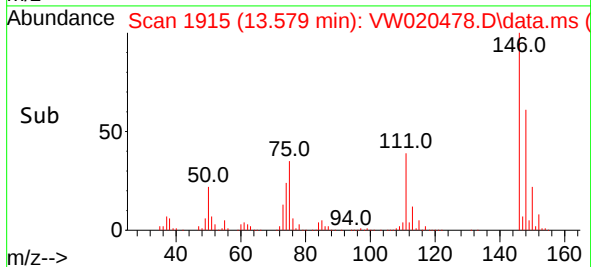
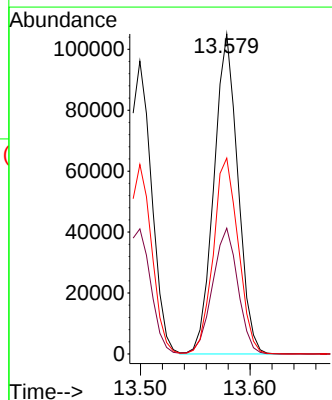
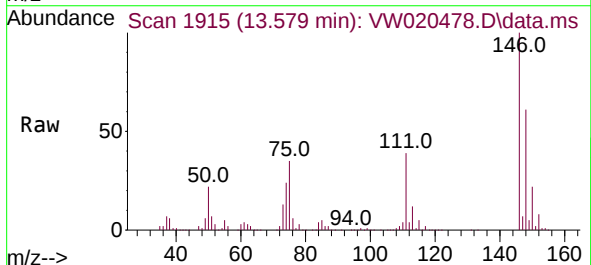
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

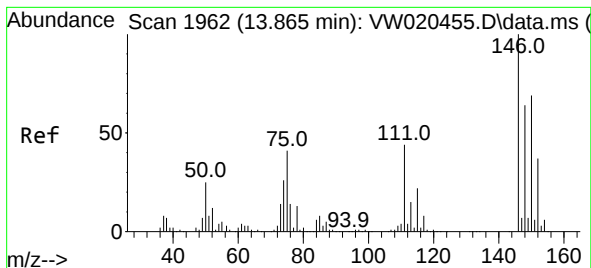
Tgt Ion:146 Resp: 152587  
Ion Ratio Lower Upper  
146 100  
111 42.8 29.0 53.8  
148 64.7 42.4 78.6



#65  
1,4-Dichlorobenzene  
Concen: 24.958 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion:146 Resp: 159705  
Ion Ratio Lower Upper  
146 100  
111 39.3 30.9 57.5  
148 61.2 46.1 85.7

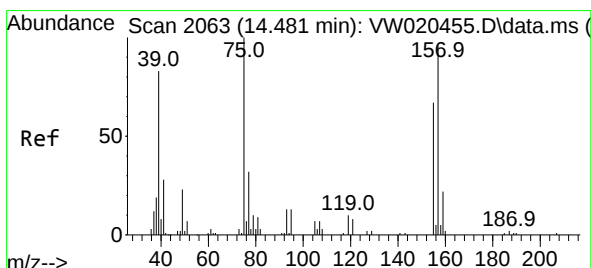
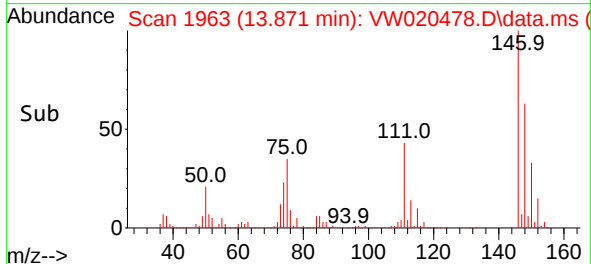
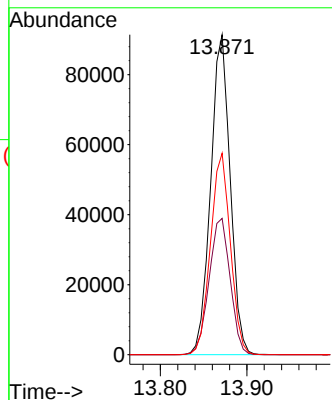
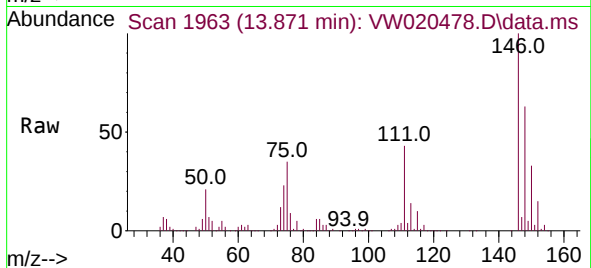




#67  
1,2-Dichlorobenzene  
Concen: 25.240 ug/L  
RT: 13.871 min Scan# 1963  
Delta R.T. 0.006 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

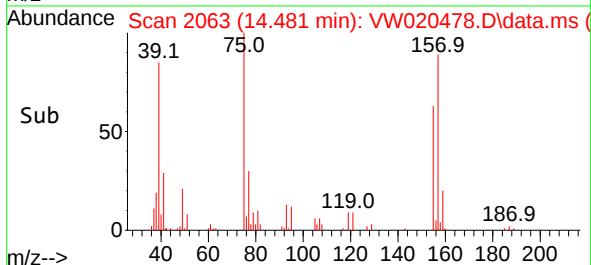
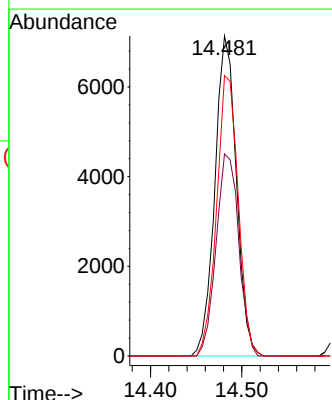
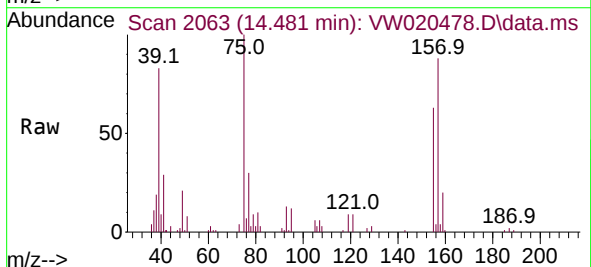
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

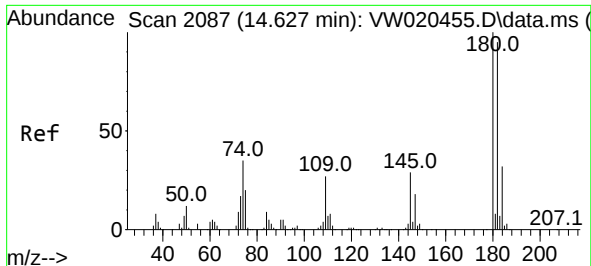
Tgt Ion:146 Resp: 143052  
Ion Ratio Lower Upper  
146 100  
111 42.6 33.9 50.9  
148 62.9 51.0 76.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 25.581 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

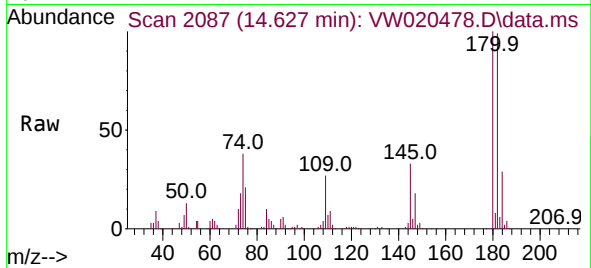
Tgt Ion: 75 Resp: 11661  
Ion Ratio Lower Upper  
75 100  
155 63.1 51.4 77.0  
157 87.6 70.8 106.2



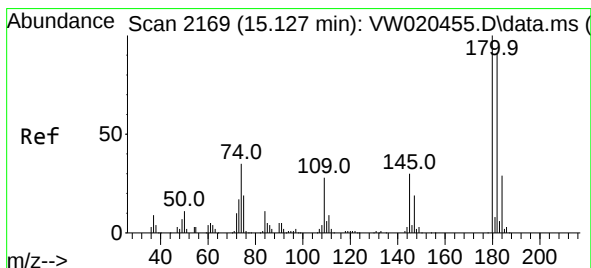
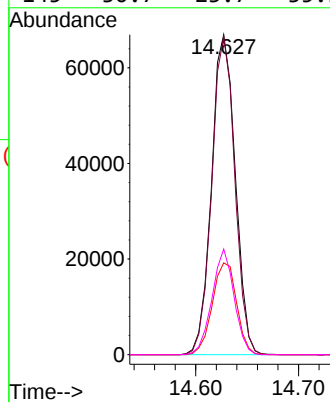
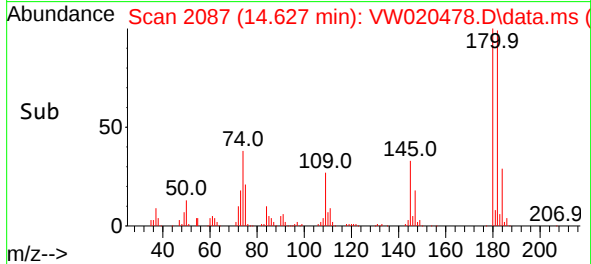


#69  
1,3,5-Trichlorobenzene  
Concen: 24.305 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

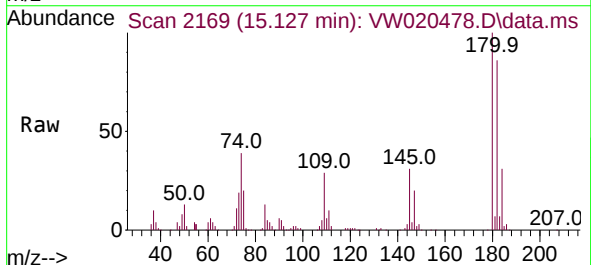
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032



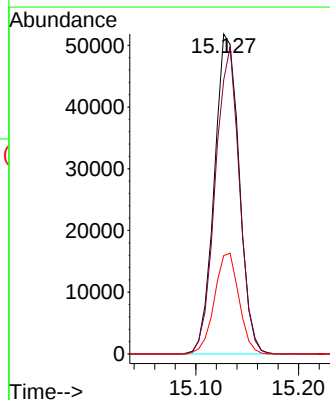
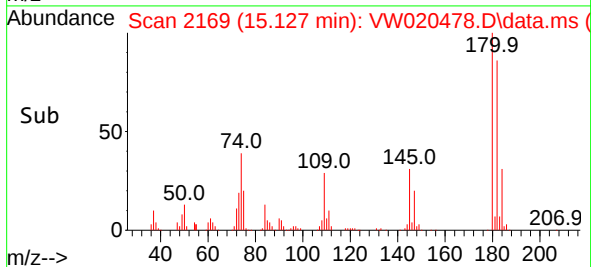
Tgt Ion:180 Resp: 107216  
Ion Ratio Lower Upper  
180 100  
182 96.3 73.4 110.0  
184 29.4 24.2 36.4  
145 30.7 23.7 35.5

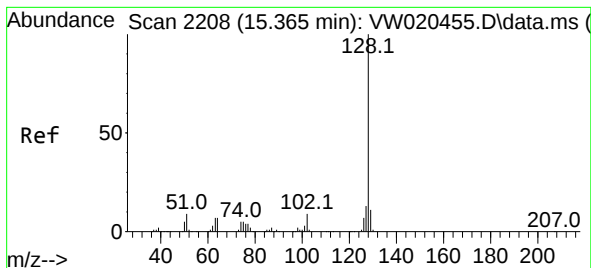


#70  
1,2,4-trichlorobenzene  
Concen: 24.882 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17



Tgt Ion:180 Resp: 86911  
Ion Ratio Lower Upper  
180 100  
182 92.9 75.8 113.8  
145 31.1 24.8 37.2

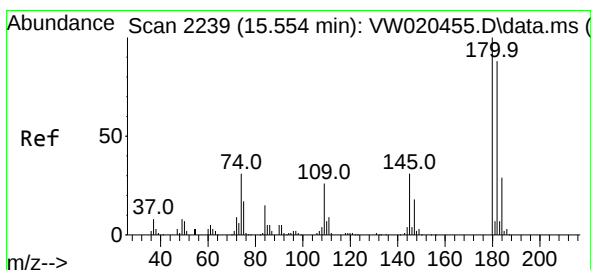
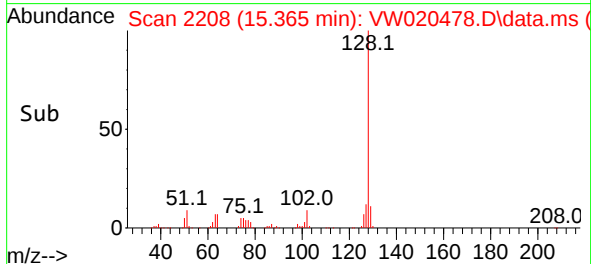
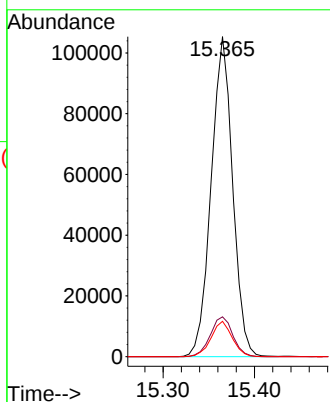
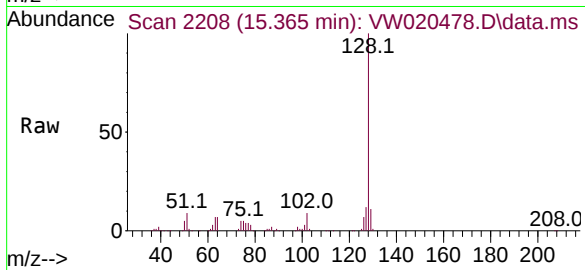




#71  
Naphthalene  
Concen: 27.400 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025032

Tgt Ion:128 Resp: 172075  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.5 15.7  
129 10.9 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 25.475 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: VW020478.D  
Acq: 13 Oct 2021 22:17

Tgt Ion:180 Resp: 78153  
Ion Ratio Lower Upper  
180 100  
182 97.7 74.8 112.2  
145 33.9 26.2 39.4

