

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062222\  
 Data File : VW023506.D  
 Acq On : 22 Jun 2022 12:37  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025578

Quant Time: Jun 23 01:19:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061022SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 22 01:04:18 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 373404   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 359224   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 200752   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 117583   | 19.821   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.280%  |
| 7) Chloroethane-d5            | 2.886  | 69    | 91474    | 20.977   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 83.920%  |
| 11) 1,1-Dichloroethene-d2     | 4.026  | 63    | 186545   | 22.529   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 90.120%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 67959    | 56.108   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.220% |
| 24) Chloroform-d              | 7.647  | 84    | 255212   | 24.829   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 99.320%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 132060   | 23.855   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 95.400%  |
| 32) Benzene-d6                | 8.275  | 84    | 445825   | 23.407   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.640%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 139741   | 24.902   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 99.600%  |
| 41) Toluene-d8                | 10.323 | 98    | 441427   | 23.727   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 94.920%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 61829    | 24.140   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 96.560%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 54900    | 61.226   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 122.460% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 139200   | 26.559   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 106.240% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 178453   | 24.624   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 98.480%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 35844    | 26.326   | ug/L   | 94       |
| 3) Chloromethane              | 2.221  | 50    | 110592   | 24.555   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.361  | 62    | 171456   | 24.426   | ug/L   | 97       |
| 6) Bromomethane               | 2.782  | 94    | 82785    | 20.838   | ug/L   | 88       |
| 8) Chloroethane               | 2.922  | 64    | 85593    | 23.018   | ug/L   | 92       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 87588    | 27.667   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101   | 125695   | 27.540   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 105205   | 25.875   | ug/L   | 95       |
| 13) Acetone                   | 4.123  | 43    | 43011    | 49.288   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.385  | 76    | 279161   | 22.320   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.672  | 43    | 46596    | 23.916   | ug/L   | 94       |
| 16) Methylene chloride        | 4.916  | 84    | 123551   | 24.448   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 119655   | 24.856   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 193110   | 26.653   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 217709   | 25.248   | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 134257   | 25.502   | ug/L # | 99       |
| 22) 2-Butanone                | 7.171  | 43    | 68392    | 51.204   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.519  | 128   | 62538    | 25.786   | ug/L   | 95       |
| 25) Chloroform                | 7.677  | 83    | 245317   | 25.211   | ug/L   | 96       |

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 ClientSampleId :  
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 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 22 01:04:18 2022  
 Response via : Initial Calibration

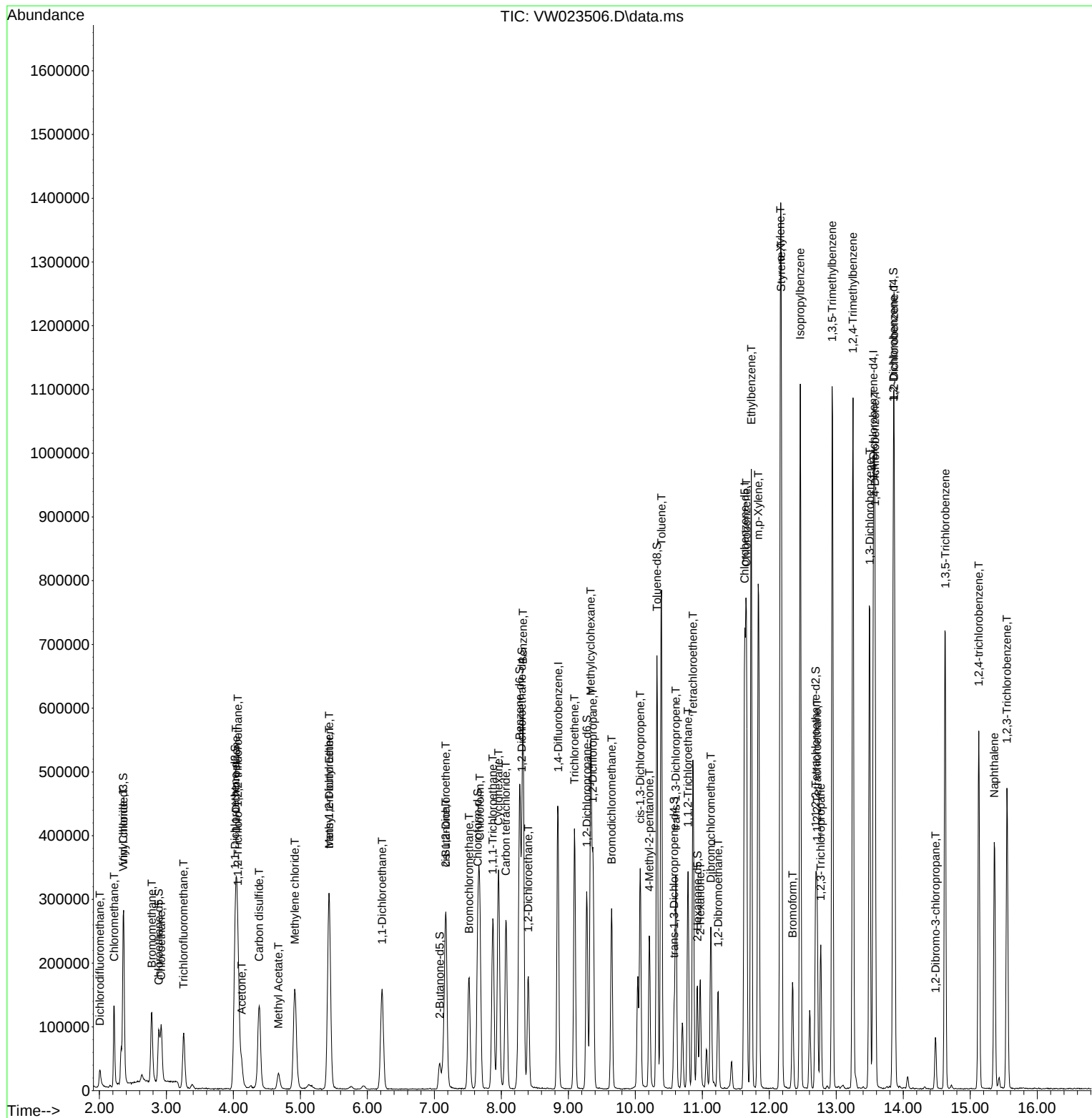
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 155404   | 24.148 | ug/L  | 100      |
| 29) Cyclohexane               | 7.958  | 56   | 176044   | 24.331 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 212199   | 25.519 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.068  | 117  | 191955   | 25.058 | ug/L  | 98       |
| 33) Benzene                   | 8.324  | 78   | 508437   | 24.501 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 134909   | 24.255 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.336  | 83   | 222069   | 24.661 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 124586   | 24.567 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 181007   | 25.378 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 194174   | 24.987 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 147674   | 51.055 | ug/L  | 98       |
| 42) Toluene                   | 10.390 | 91   | 567337   | 24.470 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 179282   | 25.567 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.787 | 97   | 102830   | 24.685 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.860 | 164  | 108308   | 25.224 | ug/L  | 87       |
| 48) 2-Hexanone                | 10.969 | 43   | 102534   | 52.454 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 128011   | 26.240 | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 98341    | 25.254 | ug/L  | 100      |
| 51) Chlorobenzene             | 11.658 | 112  | 385903   | 24.663 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 647487   | 24.572 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.835 | 106  | 256122   | 24.974 | ug/L  | 92       |
| 54) o-Xylene                  | 12.164 | 106  | 252063   | 25.720 | ug/L  | 97       |
| 55) Styrene                   | 12.177 | 104  | 435253   | 25.543 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 127591   | 25.222 | ug/L  | 98       |
| 59) Bromoform                 | 12.347 | 173  | 72486    | 25.402 | ug/L  | 100      |
| 60) Isopropylbenzene          | 12.463 | 105  | 689465   | 23.993 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 88972    | 23.292 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 584201   | 24.858 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 575671   | 24.477 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 310562   | 24.362 | ug/L  | 88       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 314933   | 24.194 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 293269   | 25.117 | ug/L  | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 19559    | 23.189 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 212844   | 25.552 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 163305   | 25.177 | ug/L  | 98       |
| 71) Naphthalene               | 15.359 | 128  | 333135   | 26.109 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 143446   | 25.439 | ug/L  | 96       |

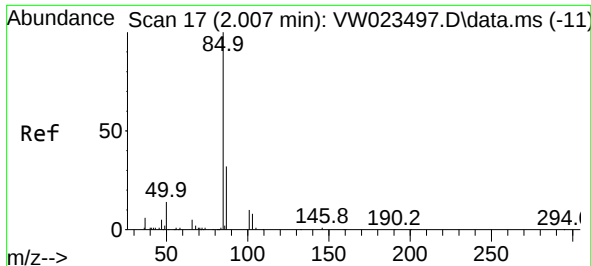
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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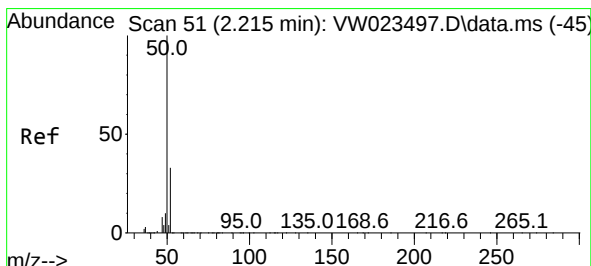
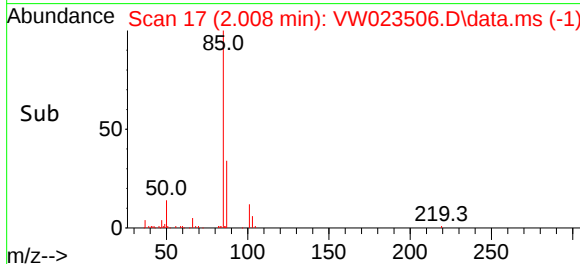
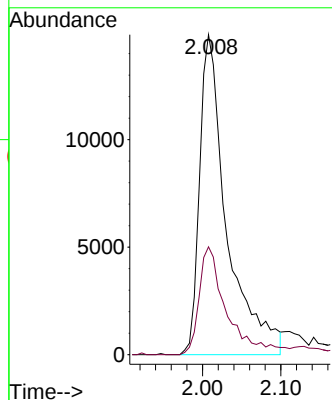
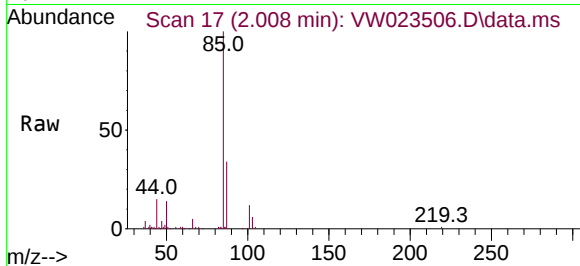




#2  
 Dichlorodifluoromethane  
 Concen: 26.326 ug/L  
 RT: 2.008 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VW023506.D  
 Acq: 22 Jun 2022 12:37

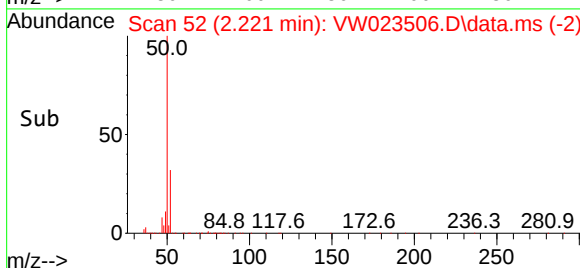
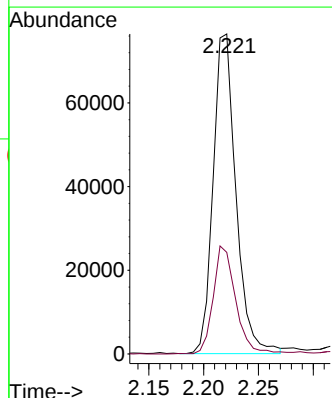
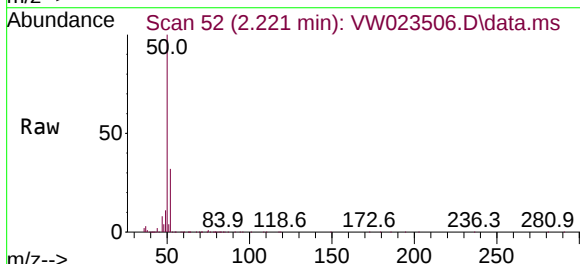
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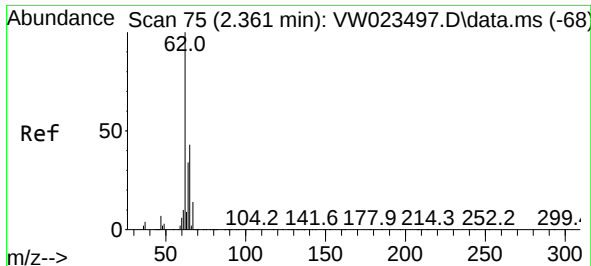
Tgt Ion: 85 Resp: 35844  
 Ion Ratio Lower Upper  
 85 100  
 87 31.6 27.8 41.8



#3  
 Chloromethane  
 Concen: 24.555 ug/L  
 RT: 2.221 min Scan# 52  
 Delta R.T. 0.006 min  
 Lab File: VW023506.D  
 Acq: 22 Jun 2022 12:37

Tgt Ion: 50 Resp: 110592  
 Ion Ratio Lower Upper  
 50 100  
 52 31.7 23.1 42.9

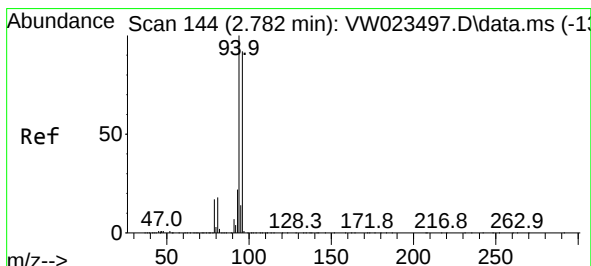
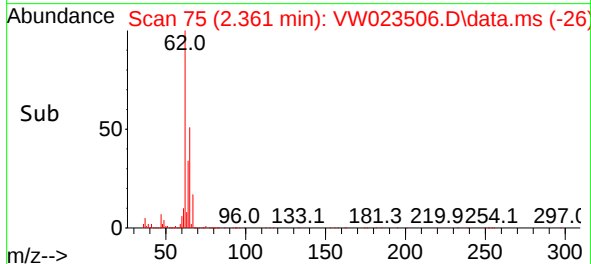
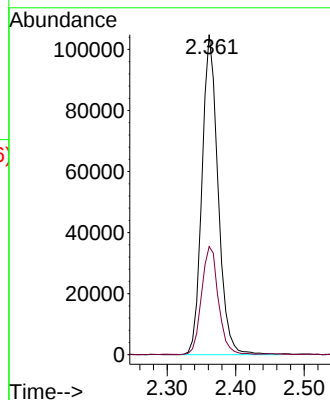
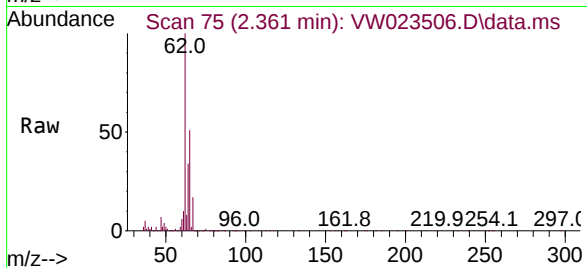




#5  
 Vinyl chloride  
 Concen: 24.426 ug/L  
 RT: 2.361 min Scan# 75  
 Delta R.T. 0.000 min  
 Lab File: VW023506.D  
 Acq: 22 Jun 2022 12:37

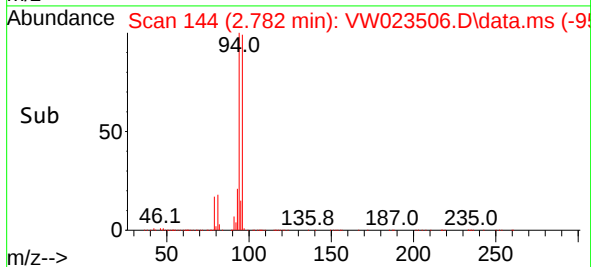
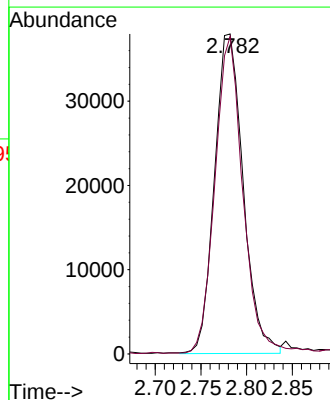
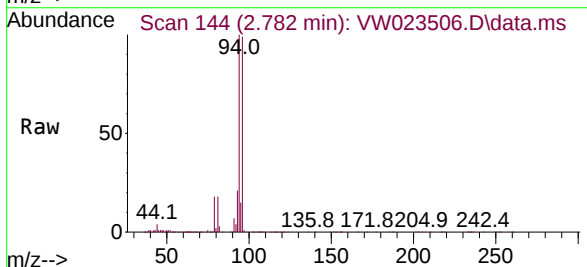
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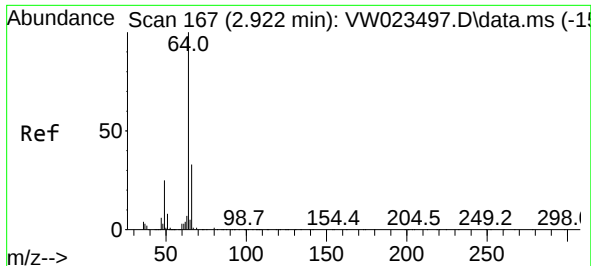
Tgt Ion: 62 Resp: 171456  
 Ion Ratio Lower Upper  
 62 100  
 64 33.8 24.9 46.3



#6  
 Bromomethane  
 Concen: 20.838 ug/L  
 RT: 2.782 min Scan# 144  
 Delta R.T. 0.000 min  
 Lab File: VW023506.D  
 Acq: 22 Jun 2022 12:37

Tgt Ion: 94 Resp: 82785  
 Ion Ratio Lower Upper  
 94 100  
 96 99.2 61.7 114.5

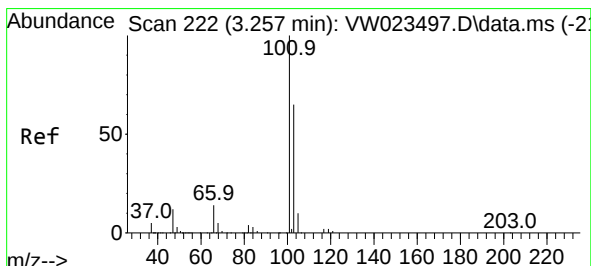
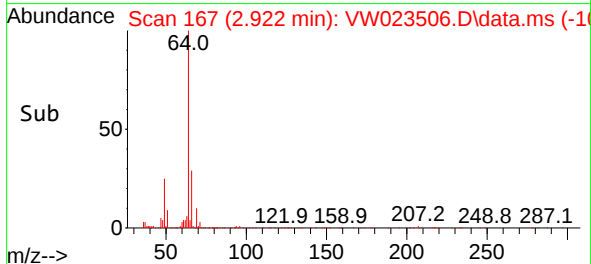
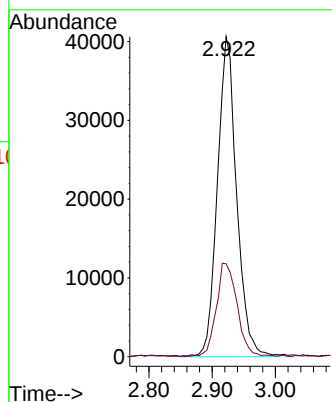
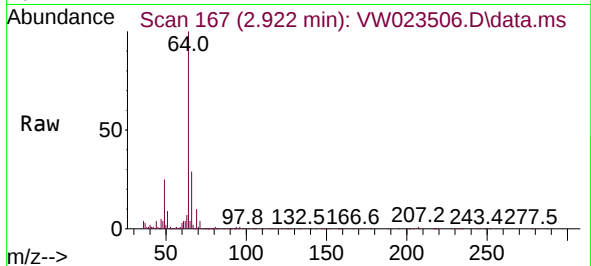




#8  
Chloroethane  
Concen: 23.018 ug/L  
RT: 2.922 min Scan# 167  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

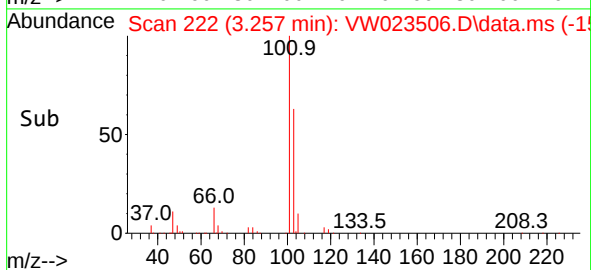
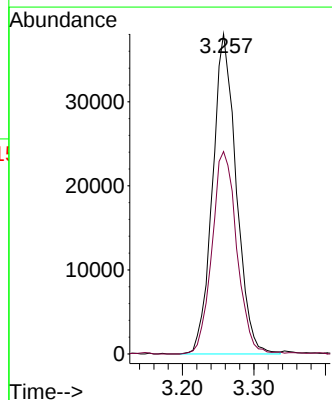
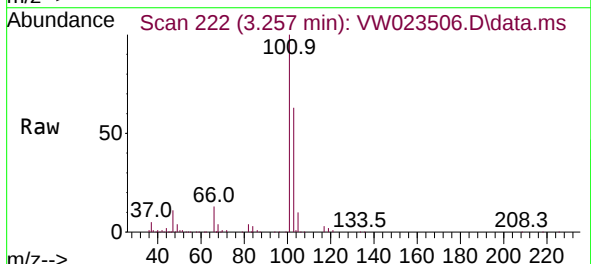
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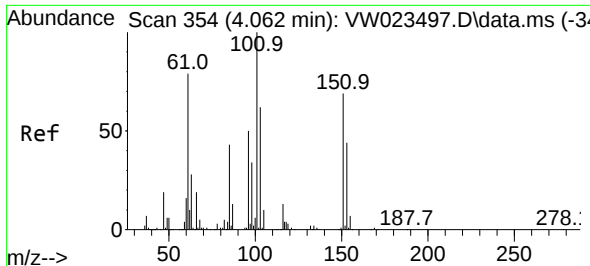
Tgt Ion: 64 Resp: 85593  
Ion Ratio Lower Upper  
64 100  
66 29.1 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 27.667 ug/L  
RT: 3.257 min Scan# 222  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
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Tgt Ion: 101 Resp: 87588  
Ion Ratio Lower Upper  
101 100  
103 66.1 53.9 80.9

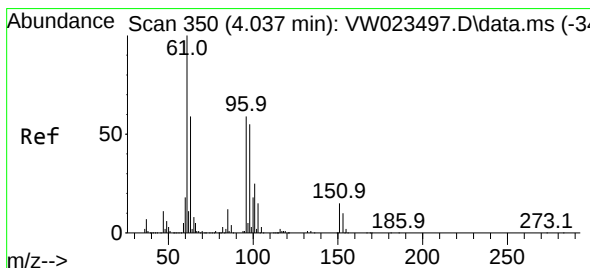
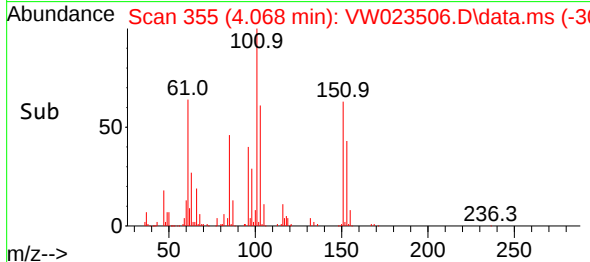
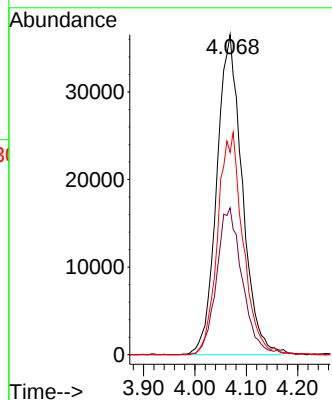
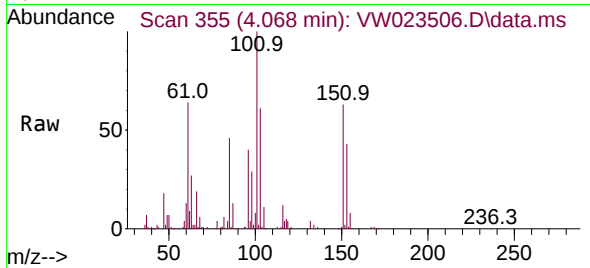




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 27.540 ug/L  
 RT: 4.068 min Scan# 310  
 Delta R.T. 0.006 min  
 Lab File: VW023506.D  
 Acq: 22 Jun 2022 12:37

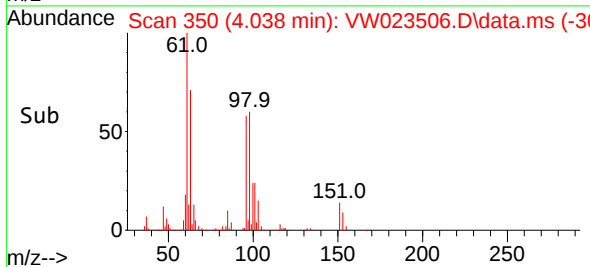
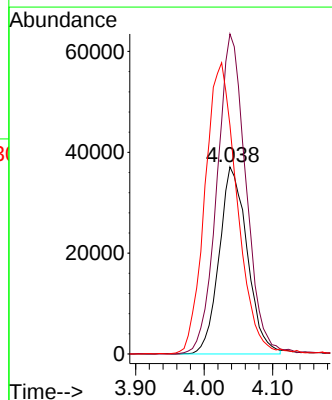
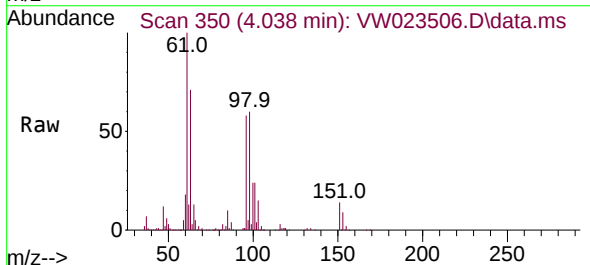
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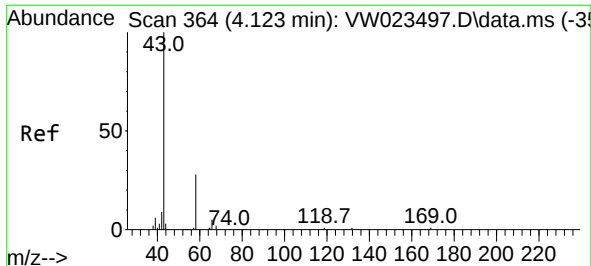
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 Ion Ratio Lower Upper  
 101 100  
 85 46.0 34.3 51.5  
 151 68.6 54.2 81.2



#12  
 1,1-Dichloroethene  
 Concen: 25.875 ug/L  
 RT: 4.038 min Scan# 350  
 Delta R.T. 0.000 min  
 Lab File: VW023506.D  
 Acq: 22 Jun 2022 12:37

Tgt Ion: 96 Resp: 105205  
 Ion Ratio Lower Upper  
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 61 171.1 125.7 233.5  
 63 122.2 83.4 155.0

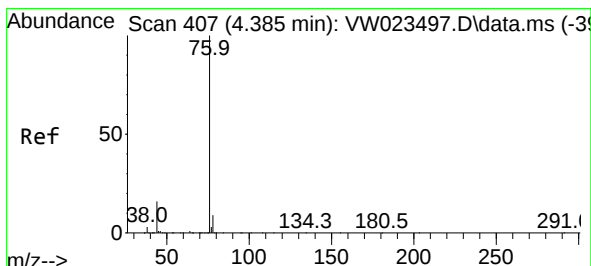
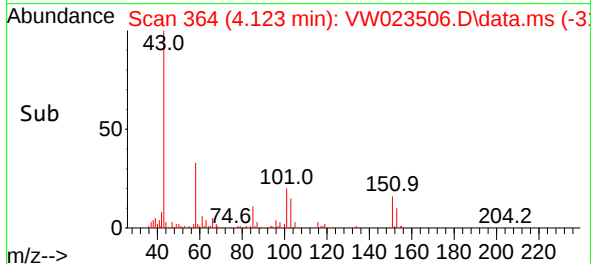
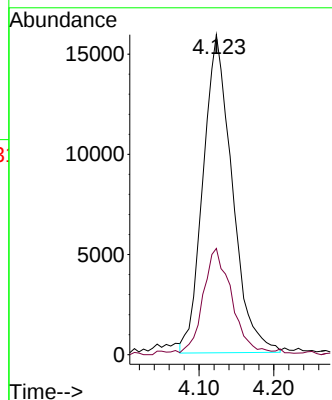
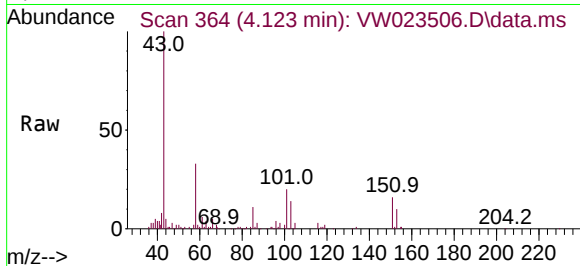




#13  
Acetone  
Concen: 49.288 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

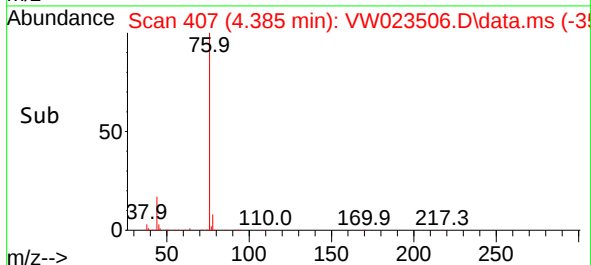
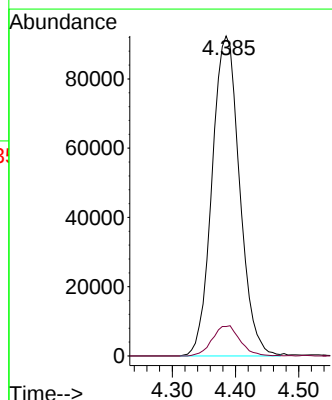
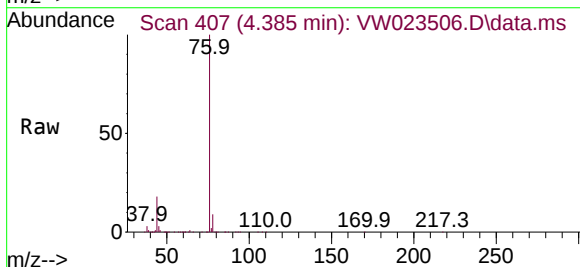
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

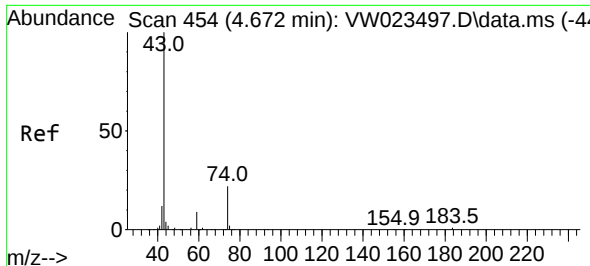
Tgt Ion: 43 Resp: 43011  
Ion Ratio Lower Upper  
43 100  
58 31.8 0.0 64.0



#14  
Carbon disulfide  
Concen: 22.320 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

Tgt Ion: 76 Resp: 279161  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.7 11.5

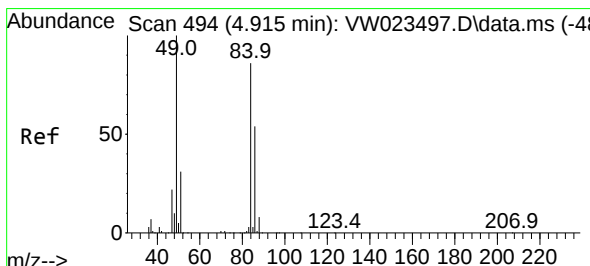
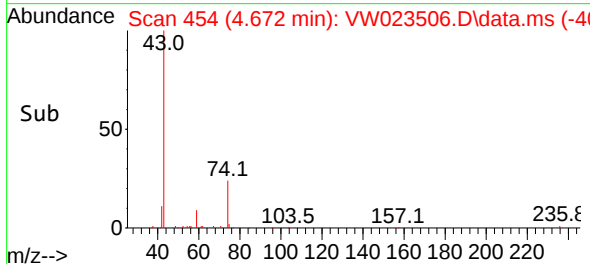
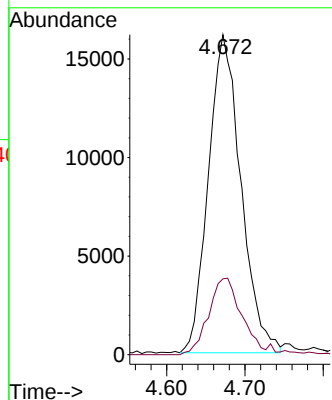
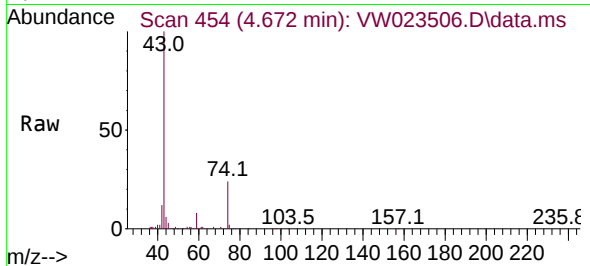




#15  
Methyl Acetate  
Concen: 23.916 ug/L  
RT: 4.672 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

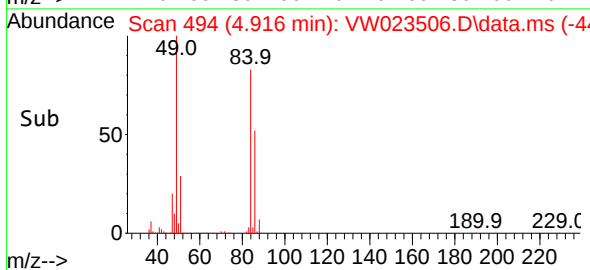
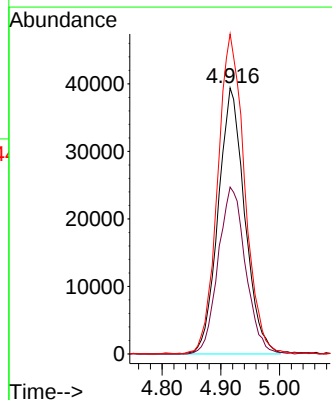
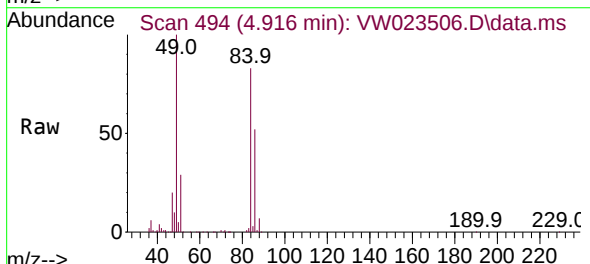
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

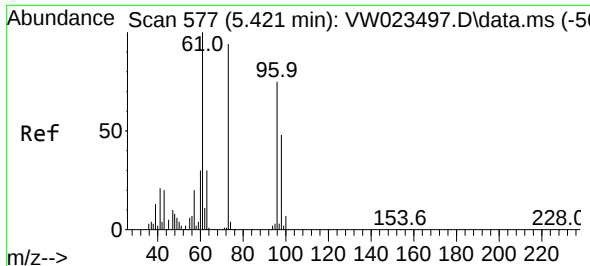
Tgt Ion: 43 Resp: 46596  
Ion Ratio Lower Upper  
43 100  
74 24.2 21.9 32.9



#16  
Methylene chloride  
Concen: 24.448 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

Tgt Ion: 84 Resp: 123551  
Ion Ratio Lower Upper  
84 100  
86 62.7 45.4 84.4  
49 120.3 82.5 153.1

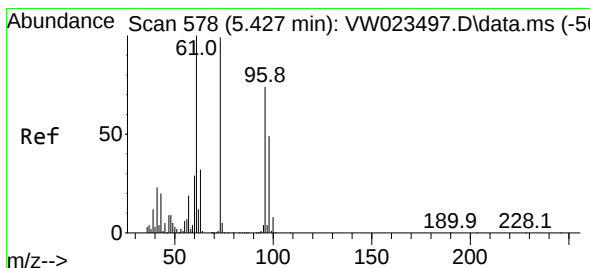
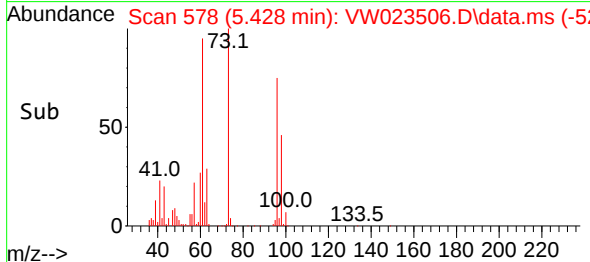
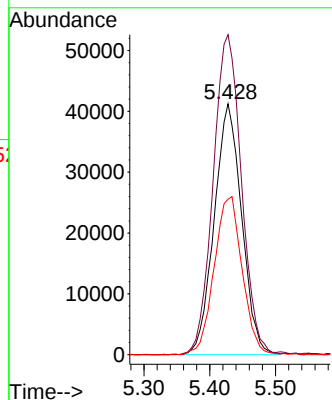
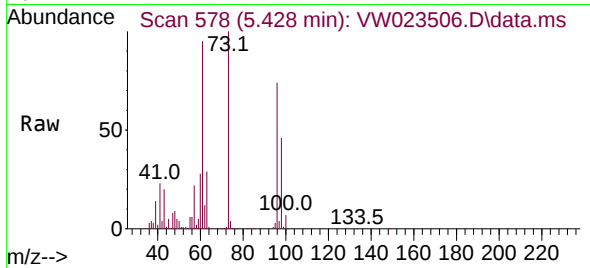




#17  
trans-1,2-Dichloroethene  
Concen: 24.856 ug/L  
RT: 5.428 min Scan# 577  
Delta R.T. 0.006 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

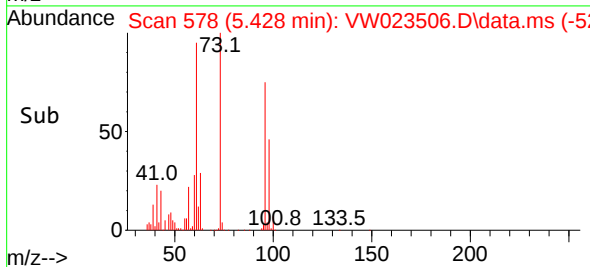
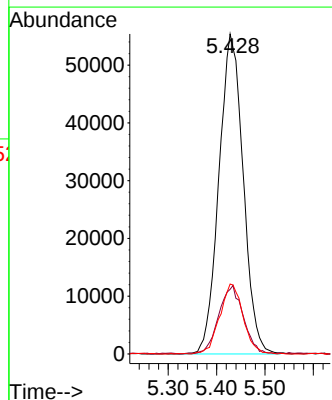
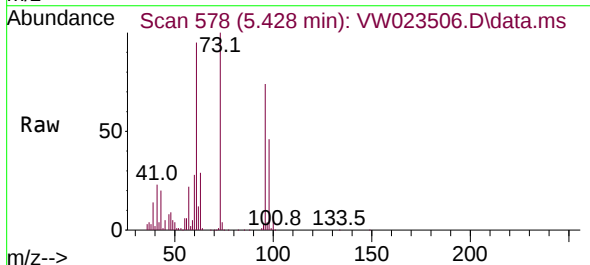
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

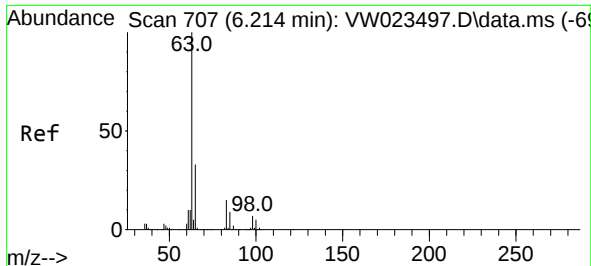
Tgt Ion: 96 Resp: 119655  
Ion Ratio Lower Upper  
96 100  
61 127.6 92.2 171.2  
98 62.0 42.9 79.7



#18  
Methyl tert-butyl Ether  
Concen: 26.653 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

Tgt Ion: 73 Resp: 193110  
Ion Ratio Lower Upper  
73 100  
43 20.8 15.9 23.9  
57 21.1 16.5 24.7





#19

1,1-Dichloroethane

Concen: 25.248 ug/L

RT: 6.220 min Scan# 707

Delta R.T. 0.006 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025578

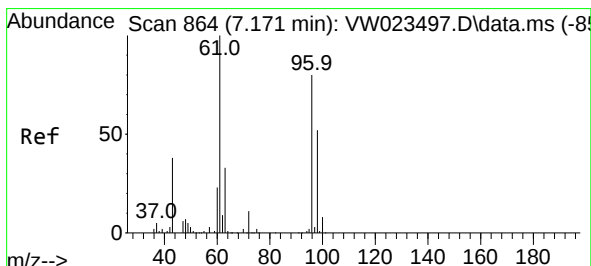
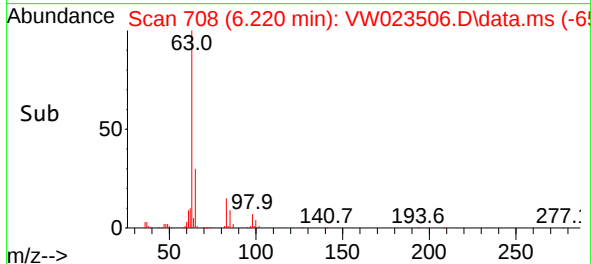
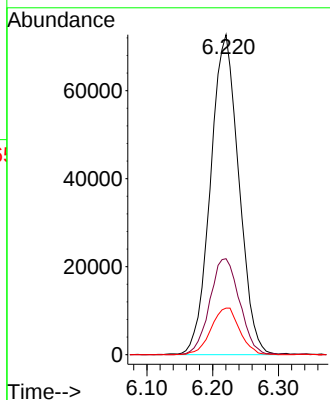
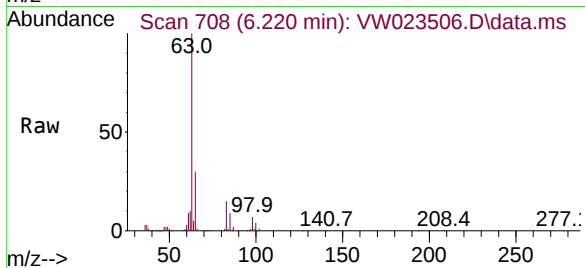
Tgt Ion: 63 Resp: 217709

Ion Ratio Lower Upper

63 100

65 30.0 23.3 43.3

83 14.6 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 25.502 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

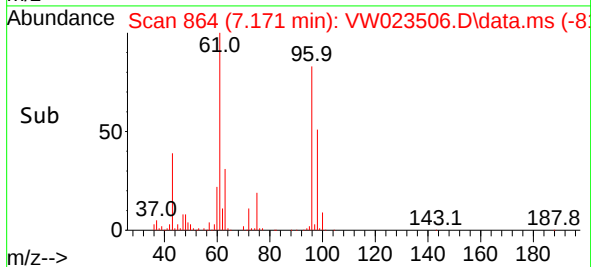
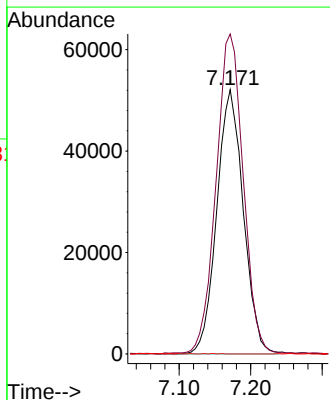
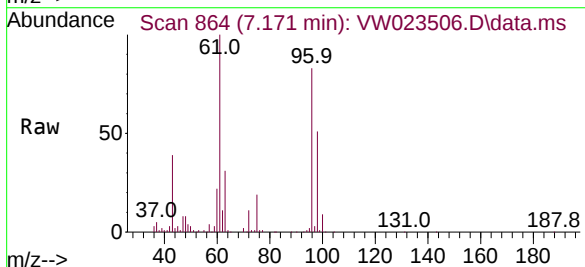
Tgt Ion: 96 Resp: 134257

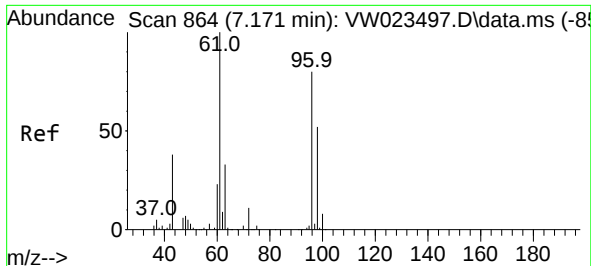
Ion Ratio Lower Upper

96 100

61 121.1 84.2 156.4

68 0.0 0.1 0.1#

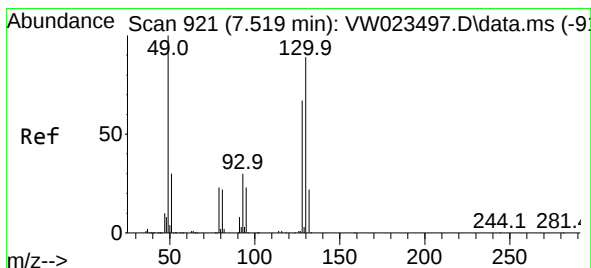
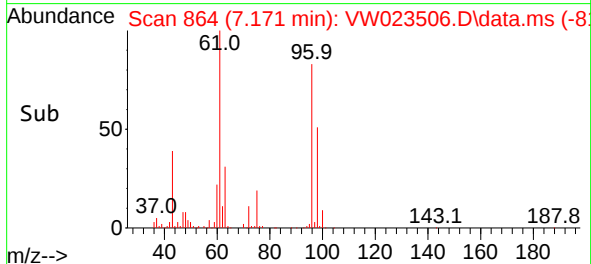
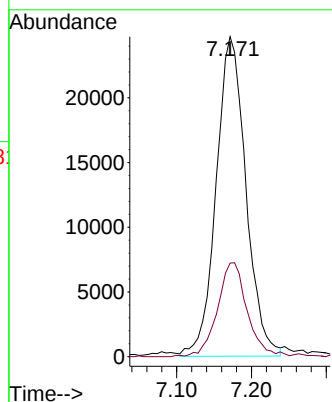
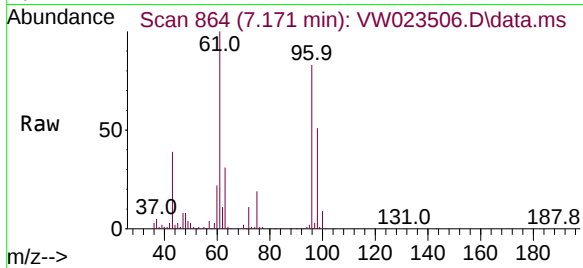




#22  
2-Butanone  
Concen: 51.204 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

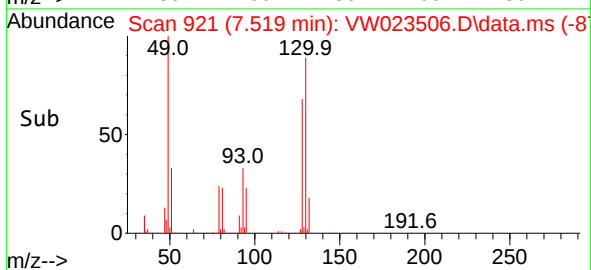
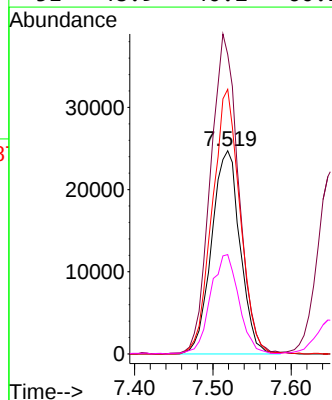
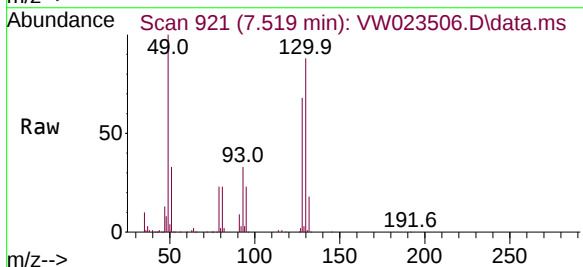
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

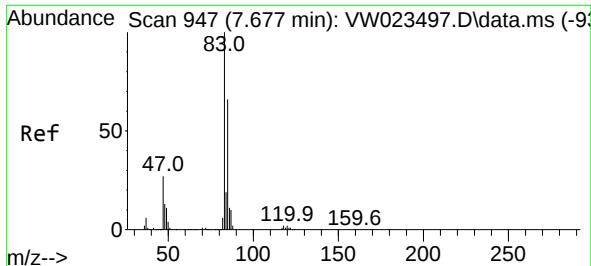
Tgt Ion: 43 Resp: 68392  
Ion Ratio Lower Upper  
43 100  
72 28.9 15.1 45.3



#23  
Bromochloromethane  
Concen: 25.786 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

Tgt Ion: 128 Resp: 62538  
Ion Ratio Lower Upper  
128 100  
49 147.4 110.0 204.4  
130 130.2 94.8 176.0  
51 48.9 40.2 60.2

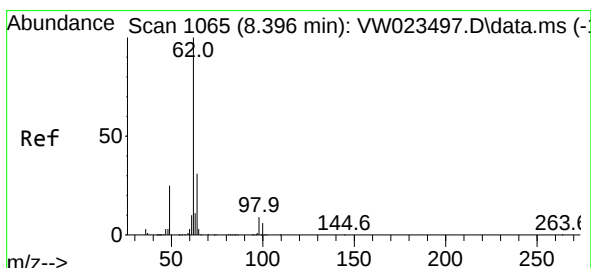
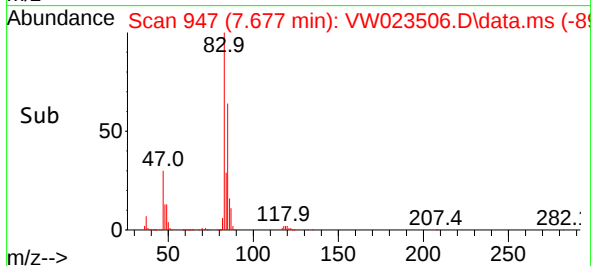
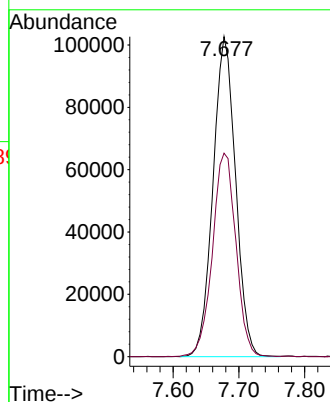
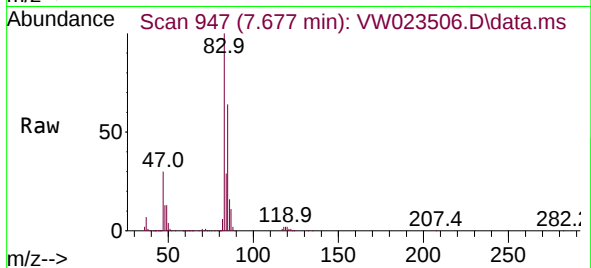




#25  
Chloroform  
Concen: 25.211 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

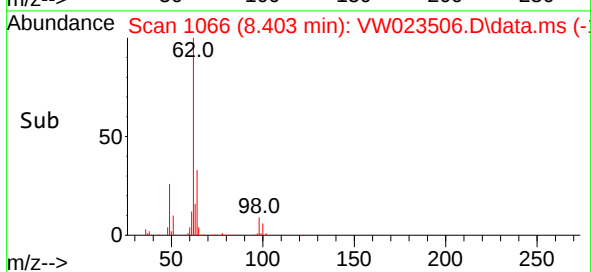
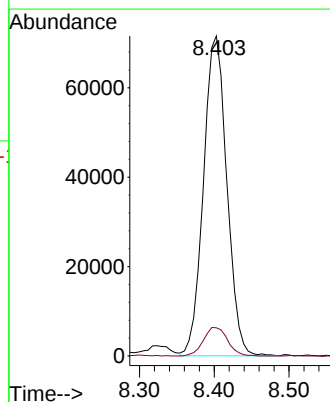
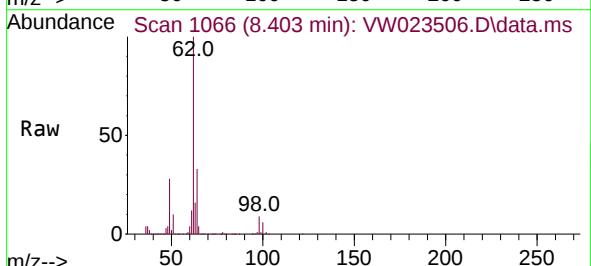
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

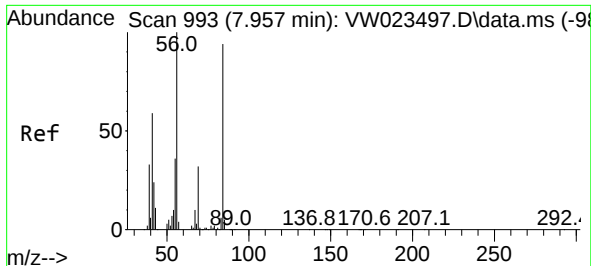
Tgt Ion: 83 Resp: 245317  
Ion Ratio Lower Upper  
83 100  
85 63.6 46.6 86.6



#27  
1,2-Dichloroethane  
Concen: 24.148 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

Tgt Ion: 62 Resp: 155404  
Ion Ratio Lower Upper  
62 100  
98 8.8 7.2 10.8





#29

Cyclohexane

Concen: 24.331 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

Instrument :

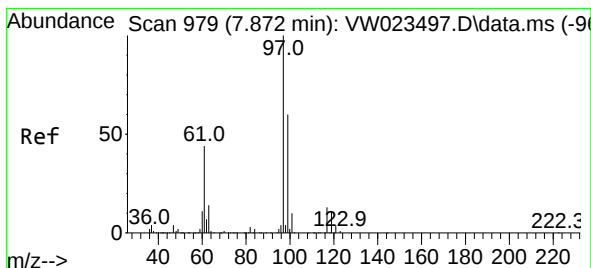
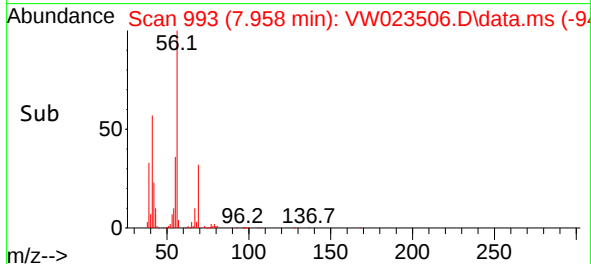
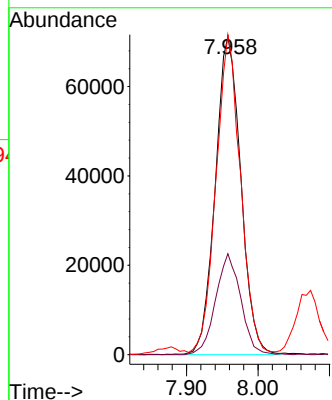
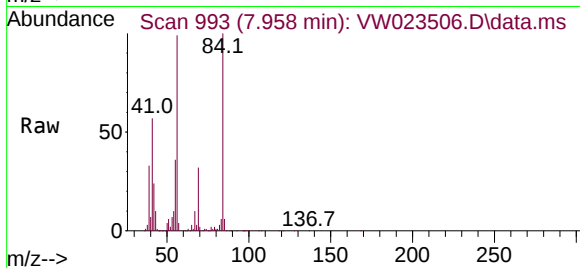
MSVOA\_W

ClientSampleId :

VSTD025578

Tgt Ion: 56 Resp: 176044

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 31.2  | 25.6  | 38.4  |
| 84  | 97.0  | 78.2  | 117.4 |



#30

1,1,1-Trichloroethane

Concen: 25.519 ug/L

RT: 7.872 min Scan# 979

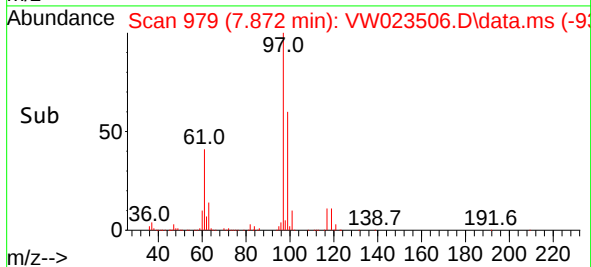
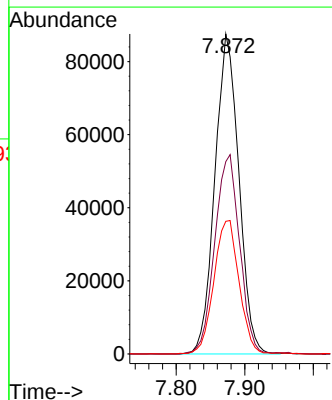
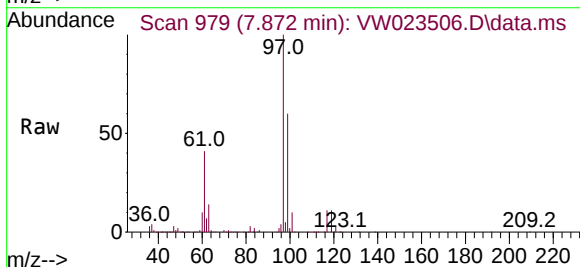
Delta R.T. 0.000 min

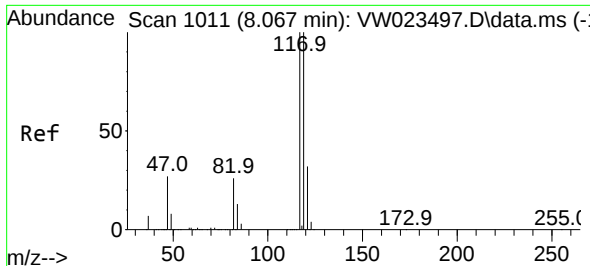
Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

Tgt Ion: 97 Resp: 212199

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.6  | 51.0  | 76.4  |
| 61  | 43.9  | 34.8  | 52.2  |

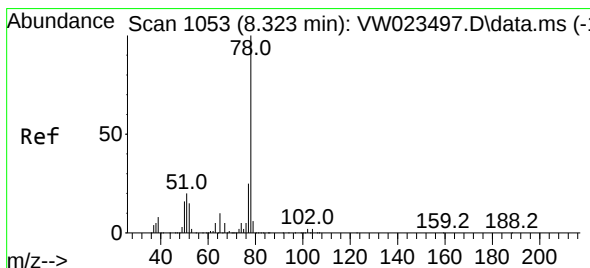
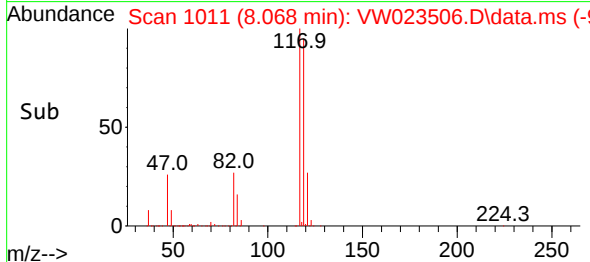
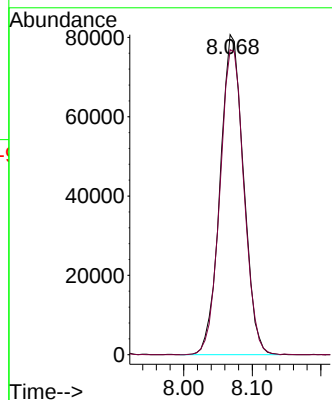
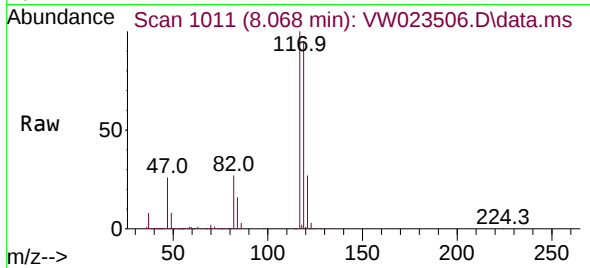




#31  
Carbon tetrachloride  
Concen: 25.058 ug/L  
RT: 8.068 min Scan# 1011  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

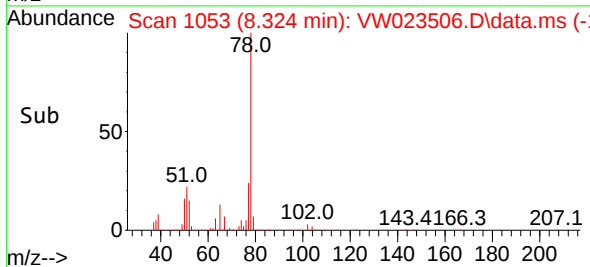
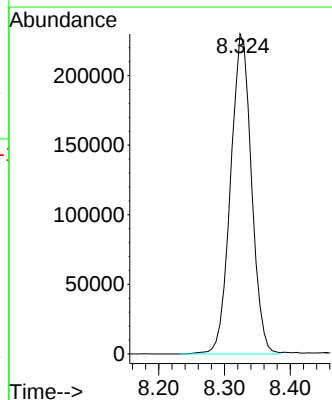
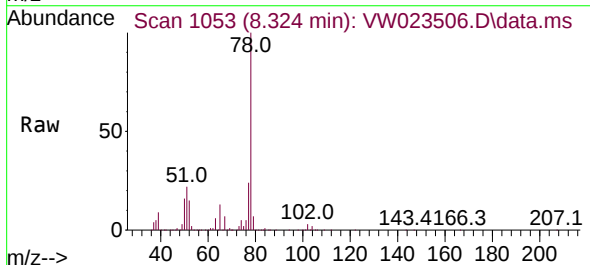
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

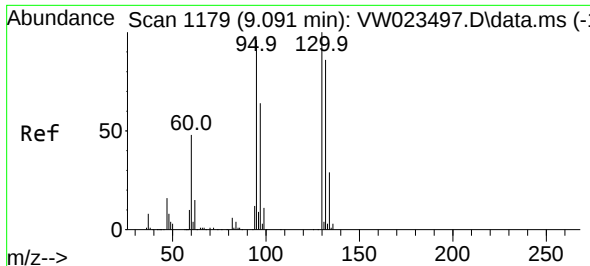
Tgt Ion:117 Resp: 191955  
Ion Ratio Lower Upper  
117 100  
119 97.3 76.6 115.0



#33  
Benzene  
Concen: 24.501 ug/L  
RT: 8.324 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

Tgt Ion: 78 Resp: 508437

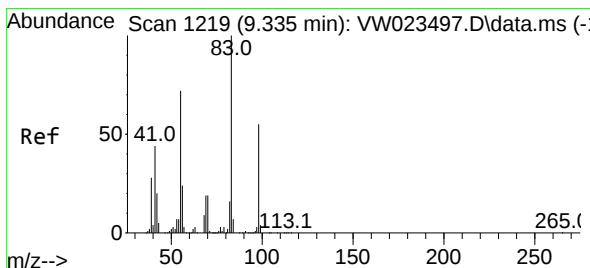
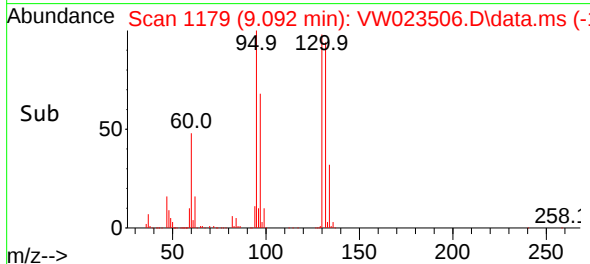
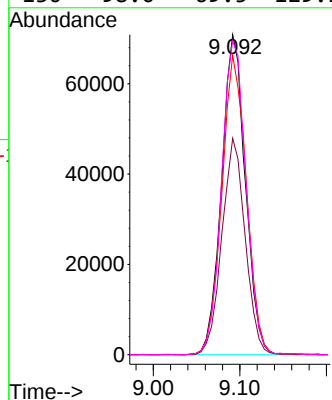
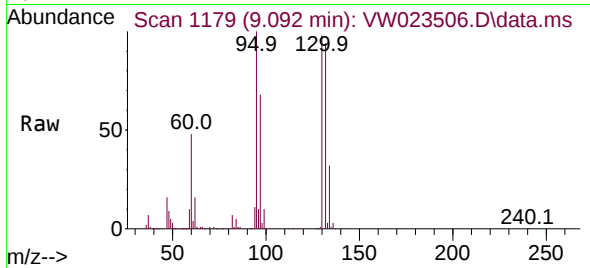




#34  
Trichloroethene  
Concen: 24.255 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

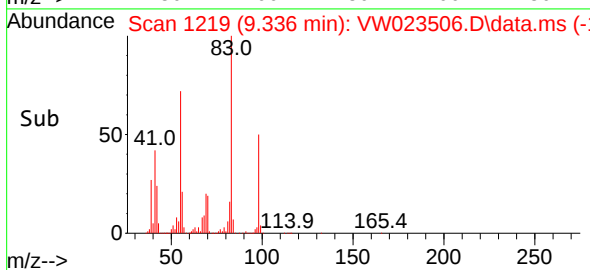
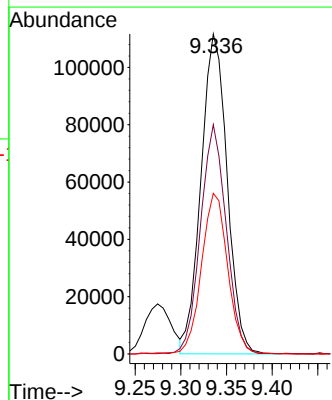
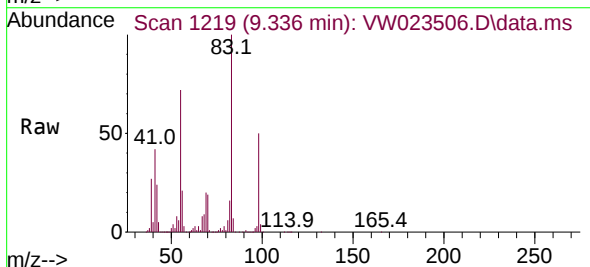
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

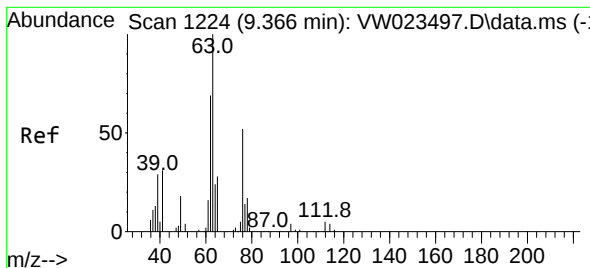
Tgt Ion: 95 Resp: 134909  
Ion Ratio Lower Upper  
95 100  
97 67.6 46.1 85.7  
132 93.5 66.9 124.3  
130 98.0 69.5 129.1



#35  
Methylcyclohexane  
Concen: 24.661 ug/L  
RT: 9.336 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

Tgt Ion: 83 Resp: 222069  
Ion Ratio Lower Upper  
83 100  
55 70.6 55.1 82.7  
98 50.2 40.4 60.6





#37

1,2-Dichloropropane

Concen: 24.567 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

Instrument :

MSVOA\_W

ClientSampleId :

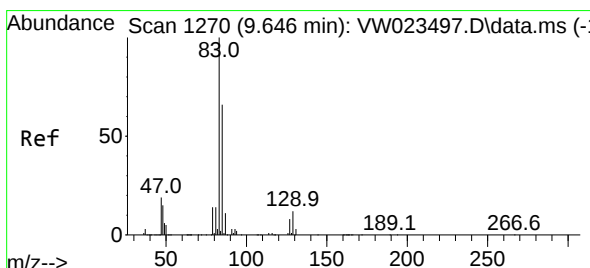
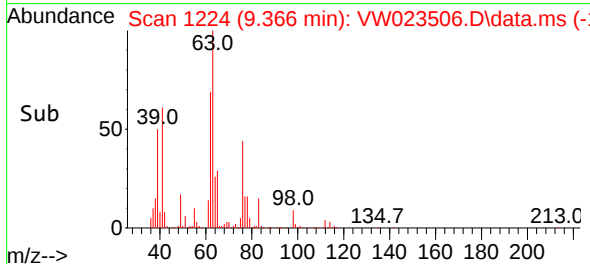
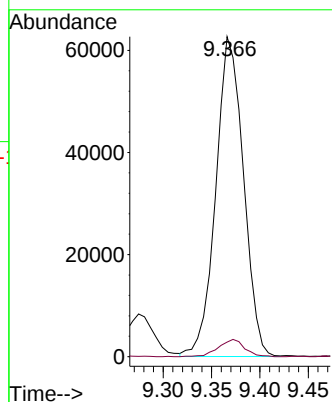
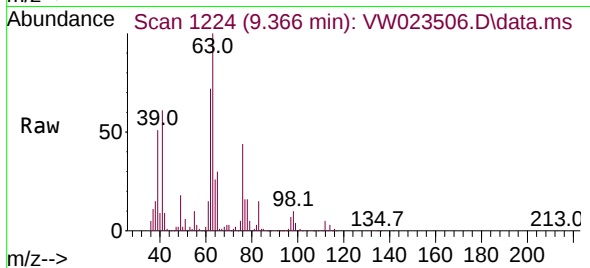
VSTD025578

Tgt Ion: 63 Resp: 124586

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 25.378 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

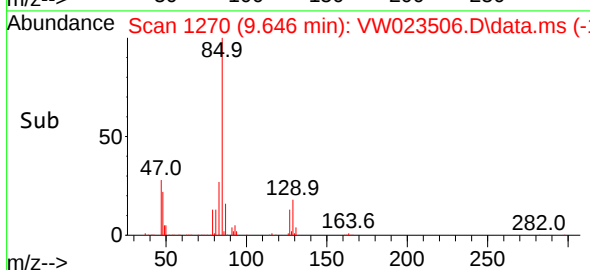
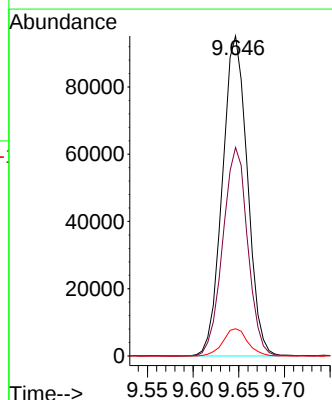
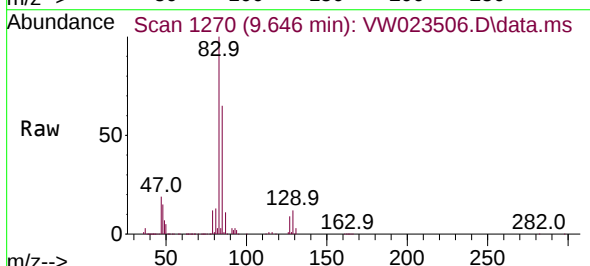
Tgt Ion: 83 Resp: 181007

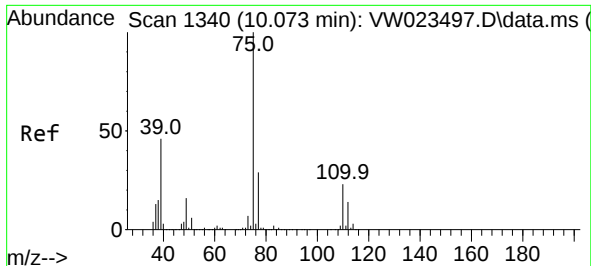
Ion Ratio Lower Upper

83 100

85 65.1 43.5 80.7

127 8.5 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 24.987 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

Instrument :

MSVOA\_W

ClientSampleId :

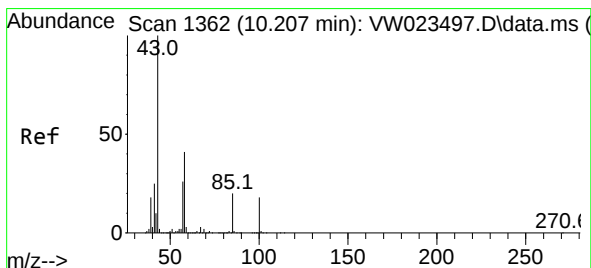
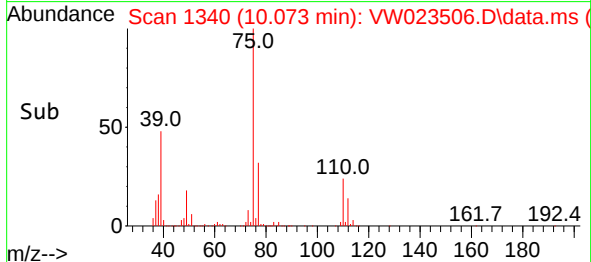
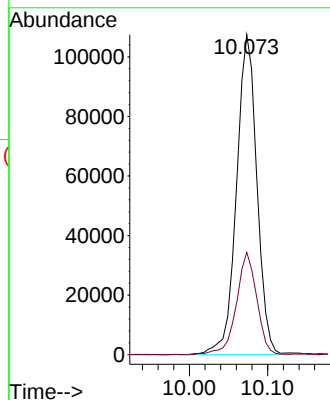
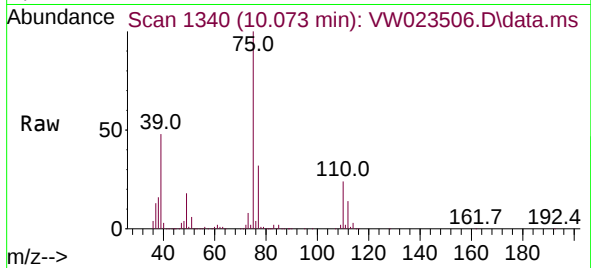
VSTD025578

Tgt Ion: 75 Resp: 194174

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 51.055 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

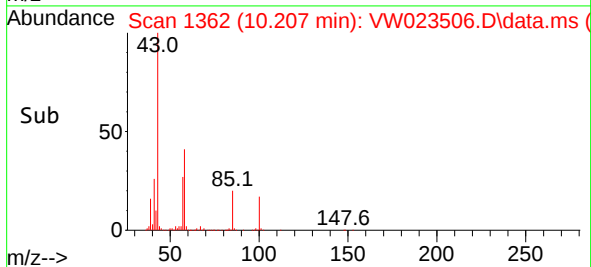
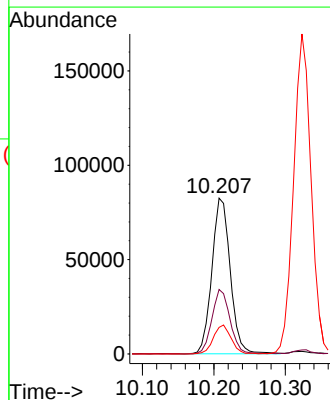
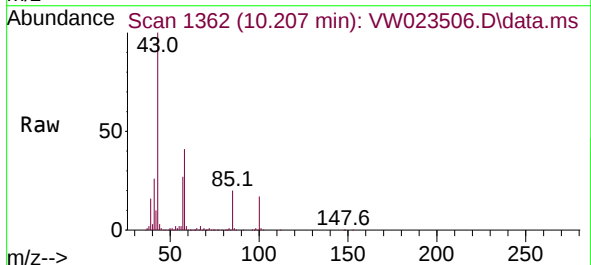
Tgt Ion: 43 Resp: 147674

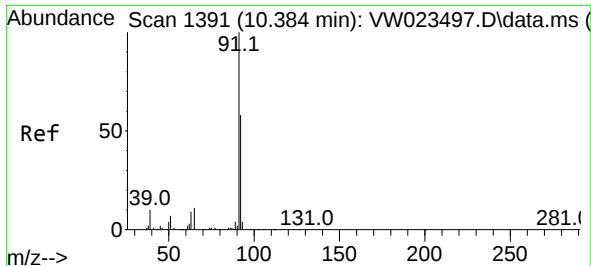
Ion Ratio Lower Upper

43 100

58 40.8 31.4 47.2

100 17.8 14.2 21.4

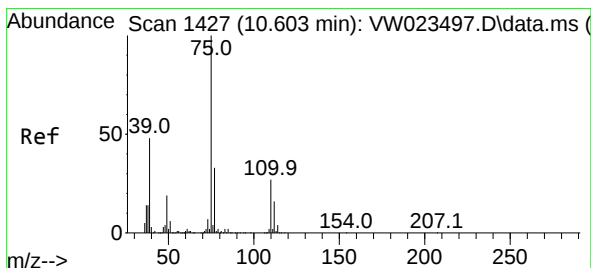
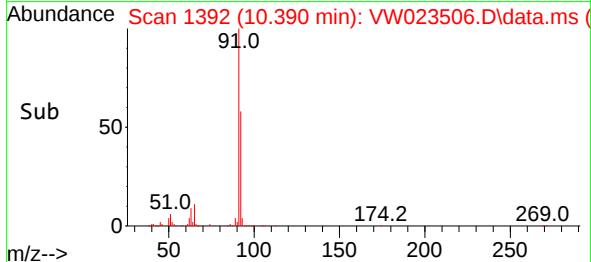
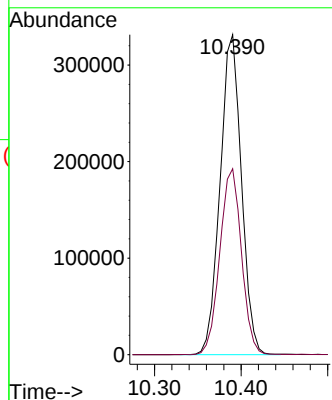
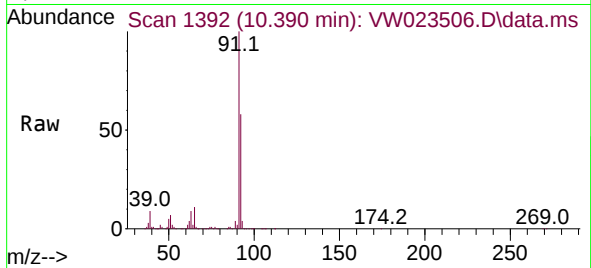




#42  
Toluene  
Concen: 24.470 ug/L  
RT: 10.390 min Scan# 1391  
Delta R.T. 0.006 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

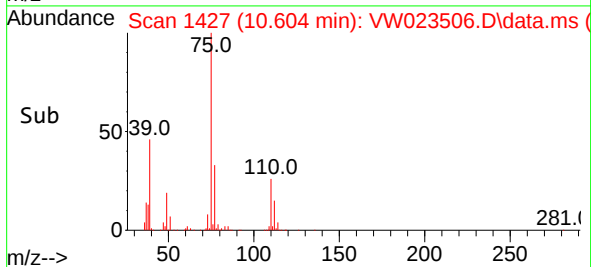
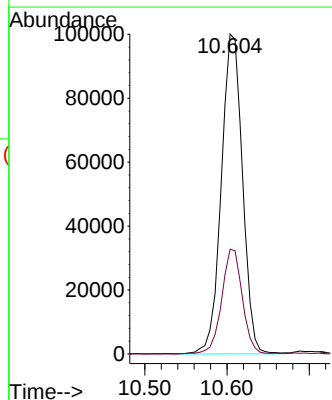
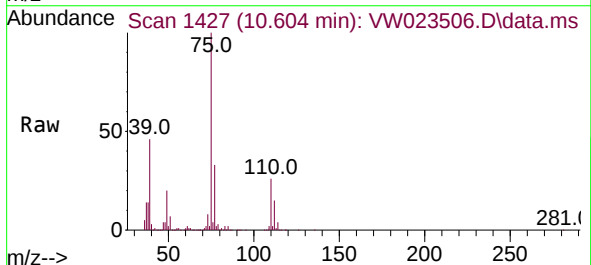
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

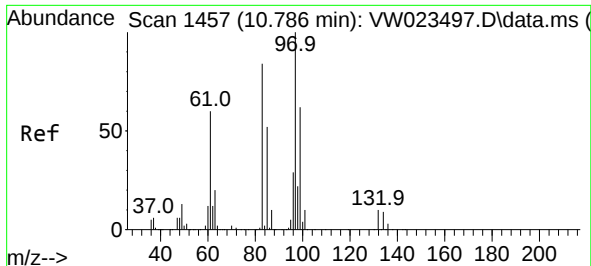
Tgt Ion: 91 Resp: 567337  
Ion Ratio Lower Upper  
91 100  
92 58.1 41.6 77.2



#44  
trans-1,3-Dichloropropene  
Concen: 25.567 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

Tgt Ion: 75 Resp: 179282  
Ion Ratio Lower Upper  
75 100  
77 32.7 22.0 40.8

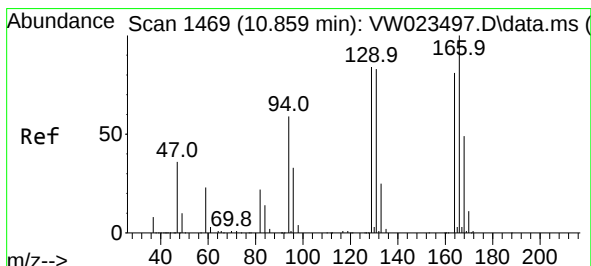
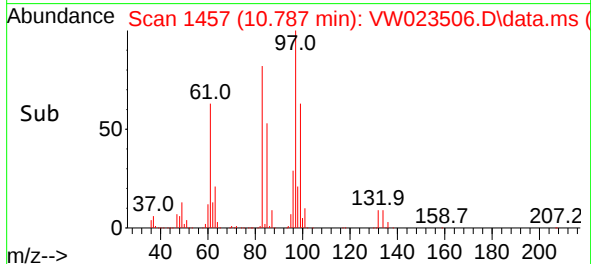
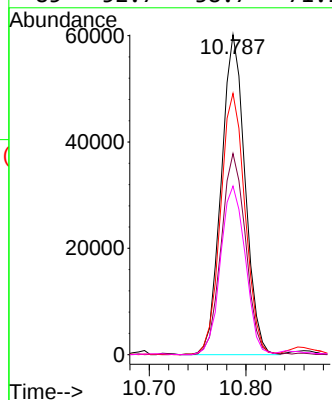
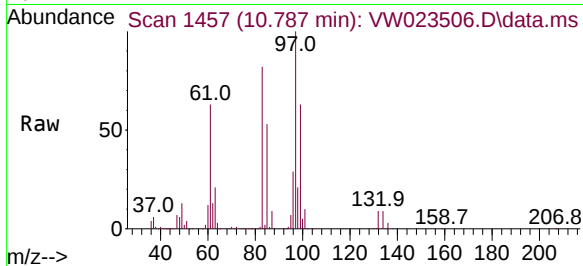




#45  
1,1,2-Trichloroethane  
Concen: 24.685 ug/L  
RT: 10.787 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

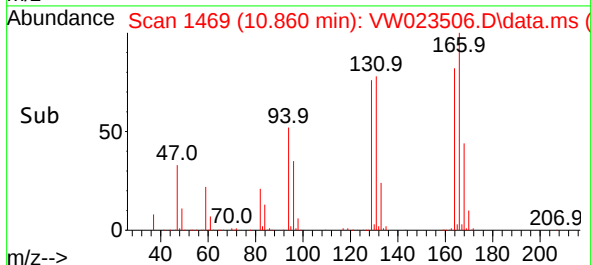
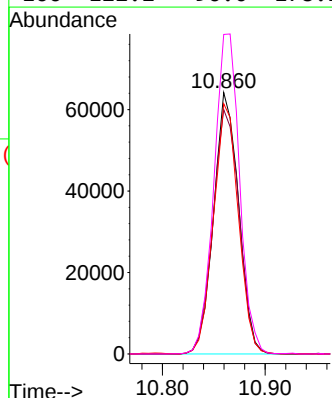
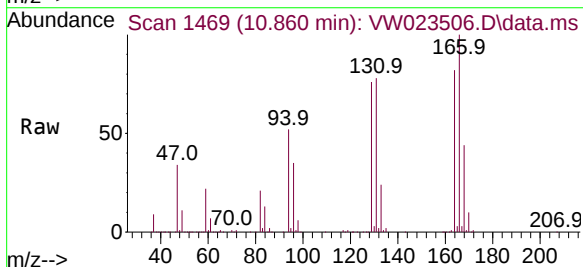
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

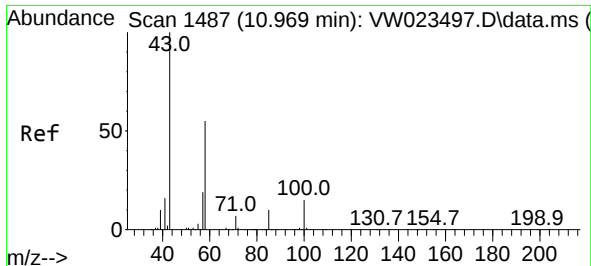
|             |              |
|-------------|--------------|
| Tgt Ion: 97 | Resp: 102830 |
| Ion Ratio   | Lower Upper  |
| 97 100      |              |
| 99 62.8     | 44.7 82.9    |
| 83 81.7     | 58.4 108.4   |
| 85 52.7     | 38.7 71.9    |



#46  
Tetrachloroethene  
Concen: 25.224 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:164 | Resp: | 108308 |
| Ion | Ratio   | Lower | Upper  |
| 164 | 100     |       |        |
| 129 | 93.4    | 76.9  | 142.7  |
| 131 | 95.7    | 75.1  | 139.5  |
| 166 | 122.2   | 96.0  | 178.2  |

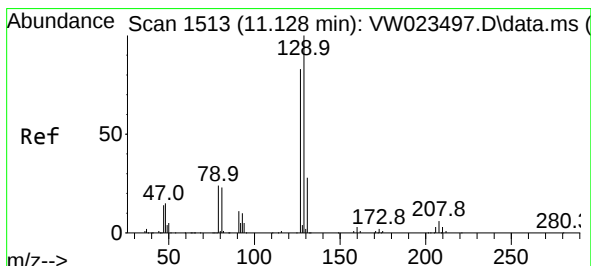
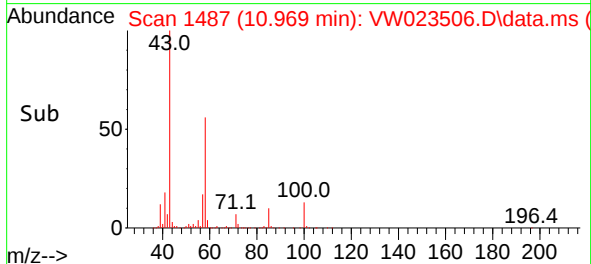
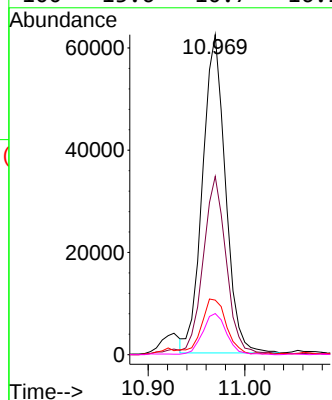
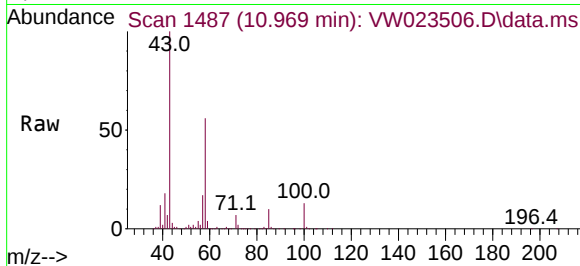




#48  
2-Hexanone  
Concen: 52.454 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

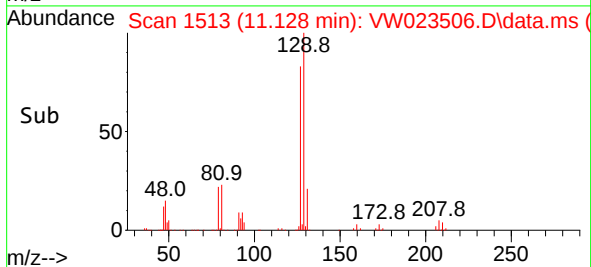
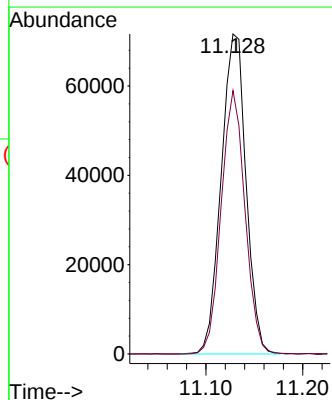
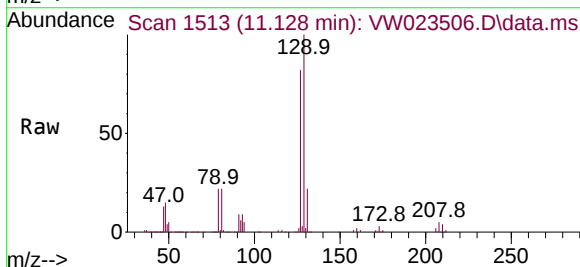
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

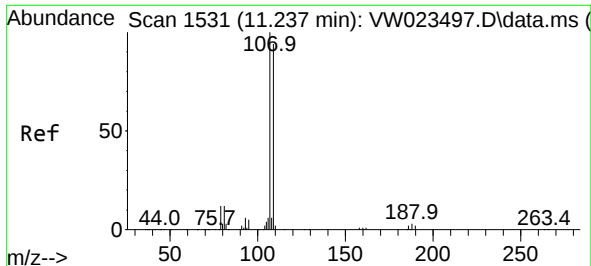
|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 102534 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 58 54.5     | 45.9 68.9    |
| 57 18.6     | 16.2 24.2    |
| 100 13.6    | 10.7 16.1    |



#49  
Dibromochloromethane  
Concen: 26.240 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

|             |              |
|-------------|--------------|
| Tgt Ion:129 | Resp: 128011 |
| Ion Ratio   | Lower Upper  |
| 129 100     |              |
| 127 82.3    | 53.8 100.0   |





#50

1,2-Dibromoethane

Concen: 25.254 ug/L

RT: 11.238 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025578

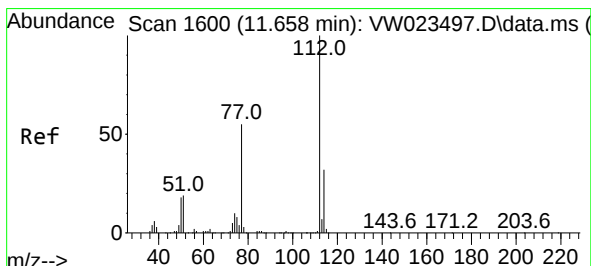
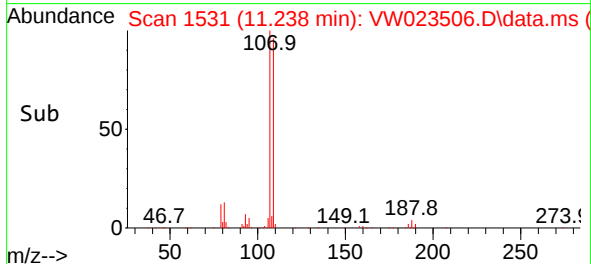
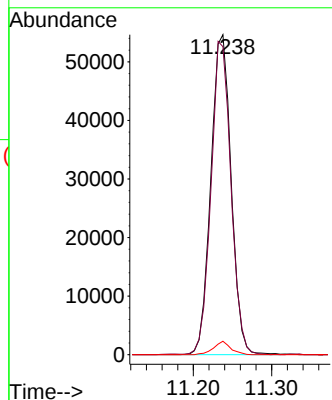
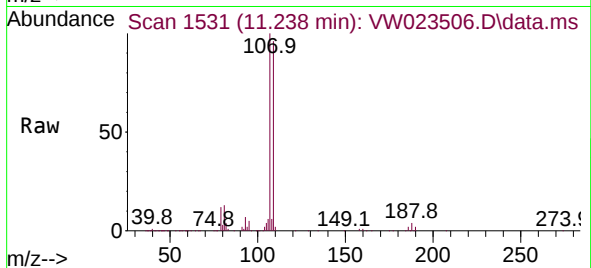
Tgt Ion:107 Resp: 98341

Ion Ratio Lower Upper

107 100

109 96.3 67.5 125.4

188 4.2 2.9 4.3



#51

Chlorobenzene

Concen: 24.663 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

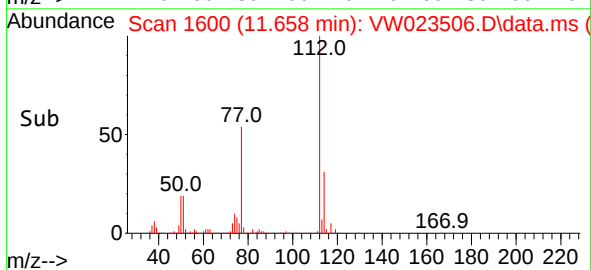
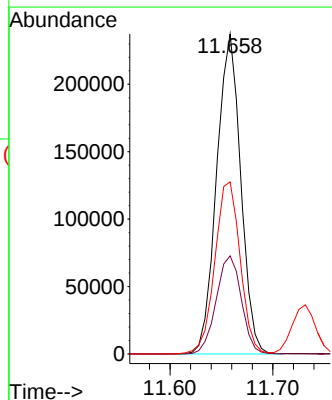
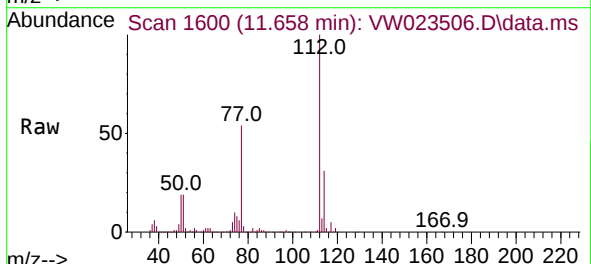
Tgt Ion:112 Resp: 385903

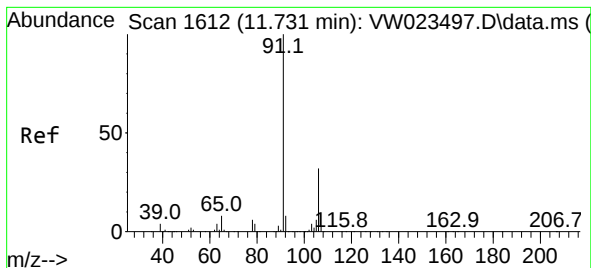
Ion Ratio Lower Upper

112 100

114 30.6 22.0 41.0

77 53.8 42.6 63.8

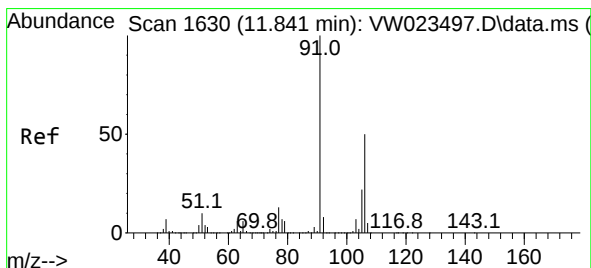
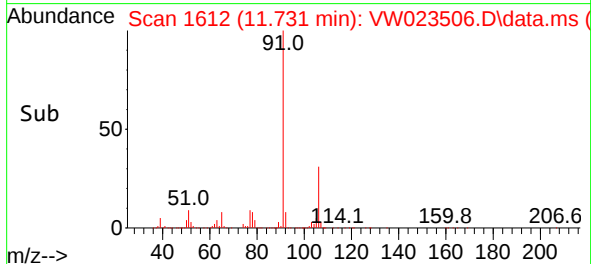
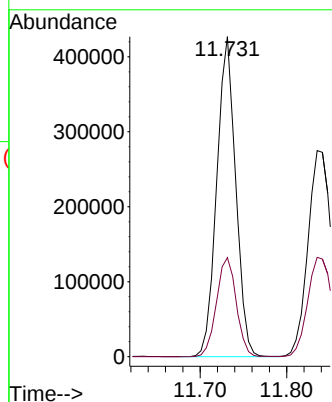
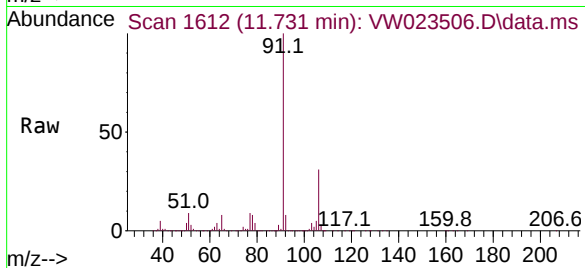




#52  
Ethylbenzene  
Concen: 24.572 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

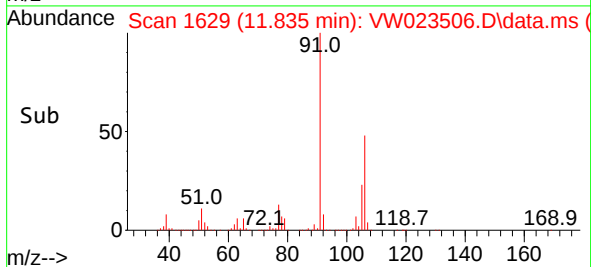
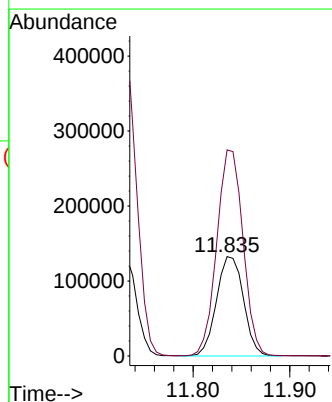
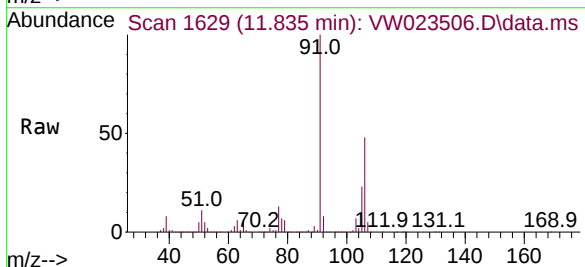
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

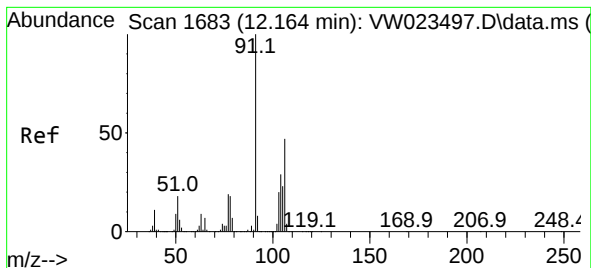
Tgt Ion: 91 Resp: 647487  
Ion Ratio Lower Upper  
91 100  
106 30.9 22.3 41.3



#53  
m,p-Xylene  
Concen: 24.974 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

Tgt Ion: 106 Resp: 256122  
Ion Ratio Lower Upper  
106 100  
91 207.6 136.8 254.0

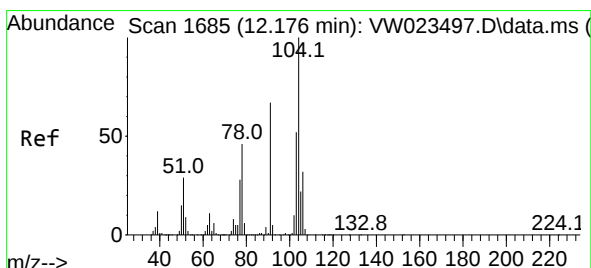
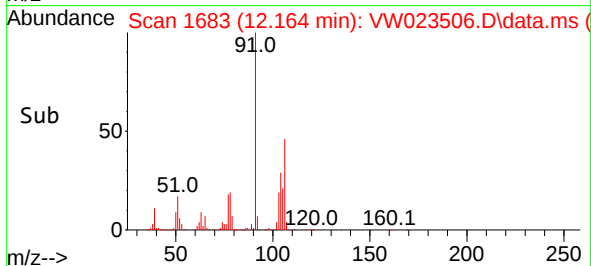
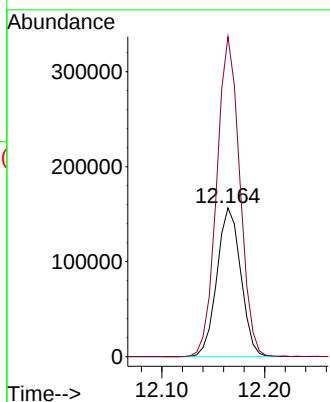
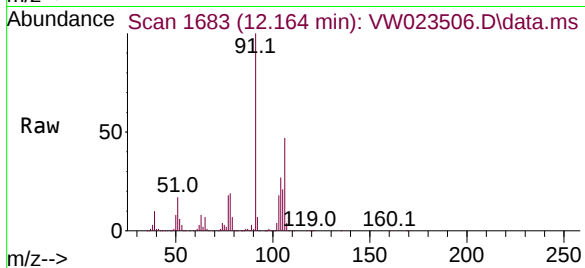




#54  
o-Xylene  
Concen: 25.720 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

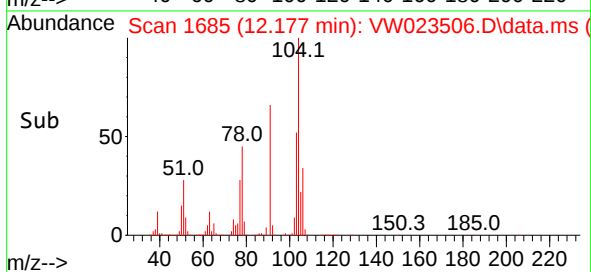
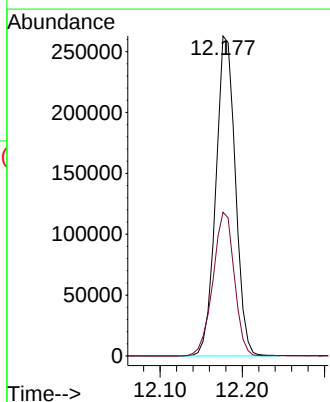
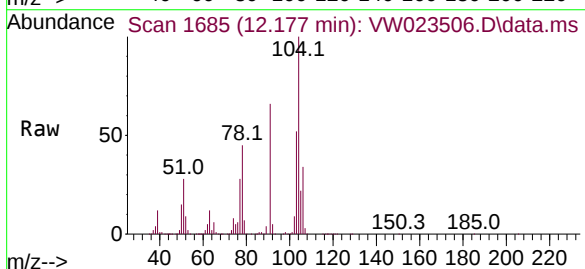
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

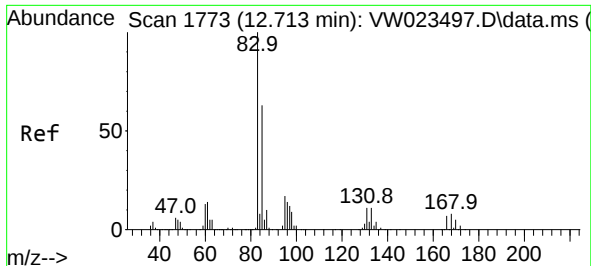
Tgt Ion:106 Resp: 252063  
Ion Ratio Lower Upper  
106 100  
91 215.0 147.2 273.4



#55  
Styrene  
Concen: 25.543 ug/L  
RT: 12.177 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

Tgt Ion:104 Resp: 435253  
Ion Ratio Lower Upper  
104 100  
78 44.9 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 25.222 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025578

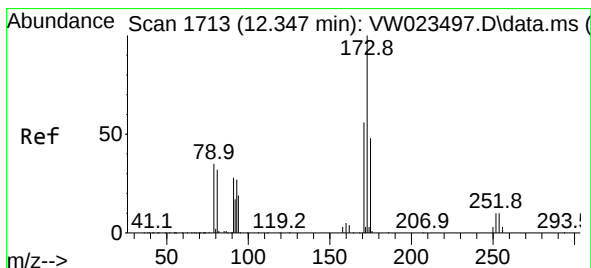
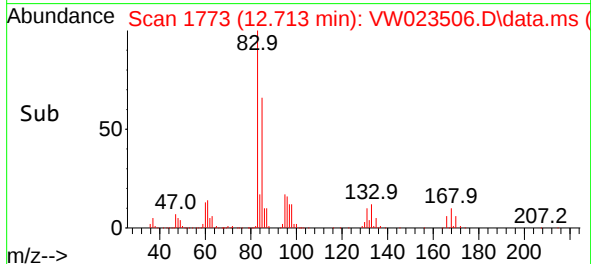
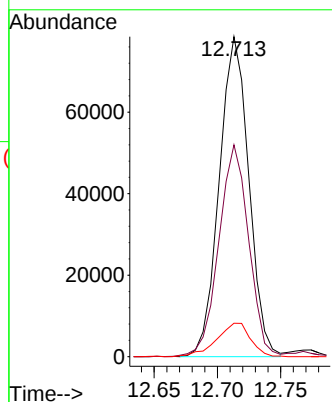
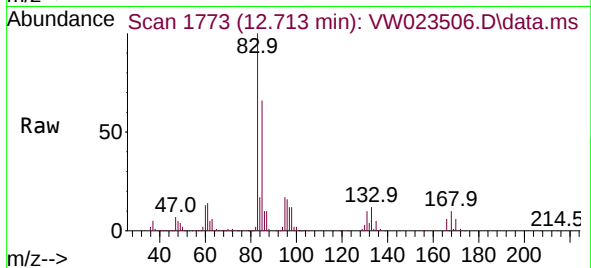
Tgt Ion: 83 Resp: 127591

Ion Ratio Lower Upper

83 100

85 66.2 47.5 88.1

131 10.5 8.7 13.1



#59

Bromoform

Concen: 25.402 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

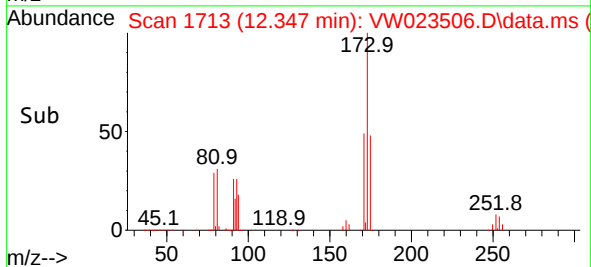
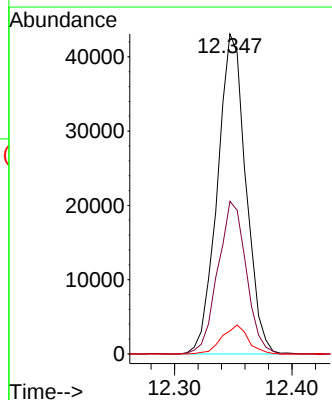
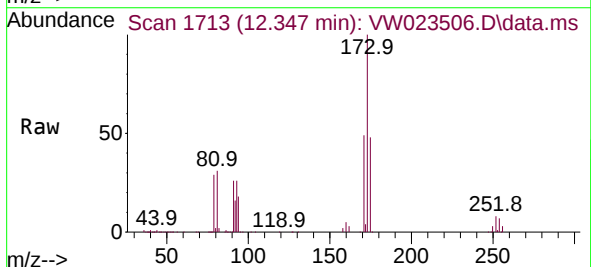
Tgt Ion: 173 Resp: 72486

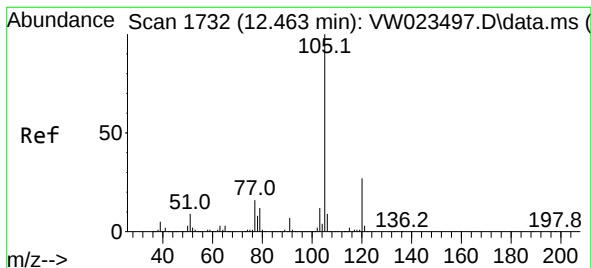
Ion Ratio Lower Upper

173 100

175 47.6 38.1 57.1

254 8.3 6.5 9.7





#60

Isopropylbenzene

Concen: 23.993 ug/L

RT: 12.463 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025578

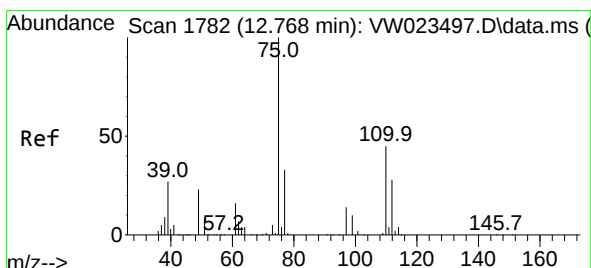
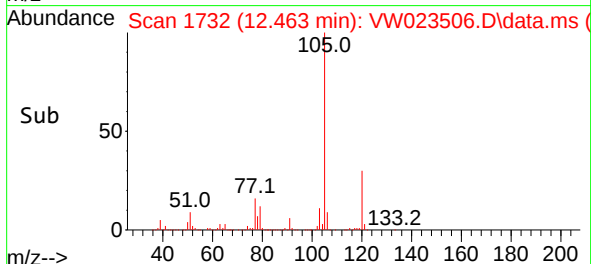
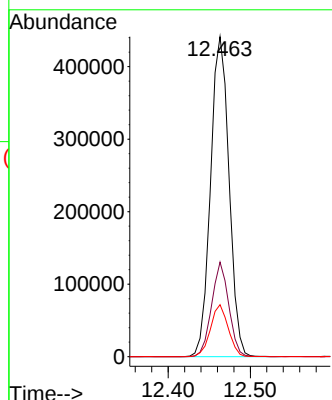
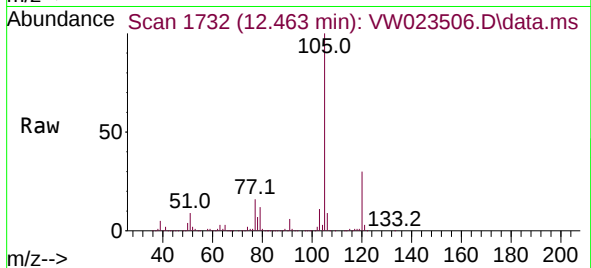
Tgt Ion:105 Resp: 689465

Ion Ratio Lower Upper

105 100

120 27.5 21.3 31.9

77 15.6 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 23.292 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

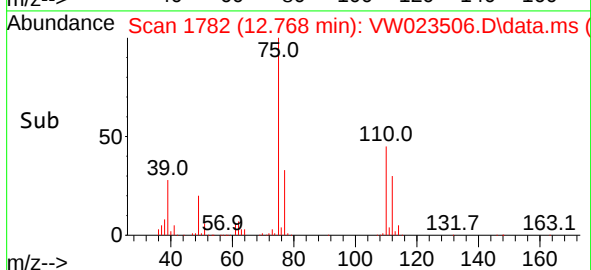
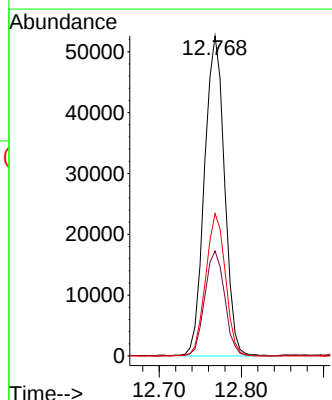
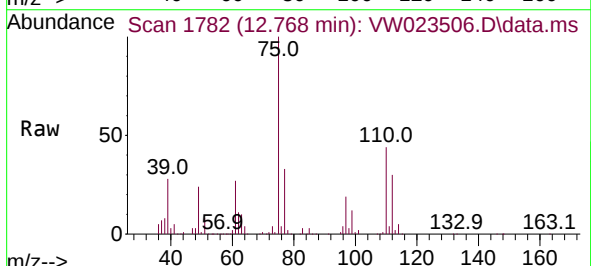
Tgt Ion: 75 Resp: 88972

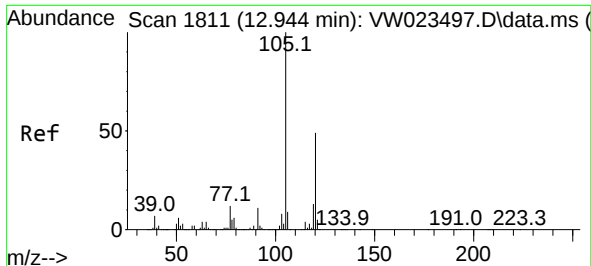
Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2

110 43.9 34.1 51.1





#62

1,3,5-Trimethylbenzene

Concen: 24.858 ug/L

RT: 12.939 min Scan# 1811

Delta R.T. -0.006 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

Instrument :

MSVOA\_W

ClientSampleId :

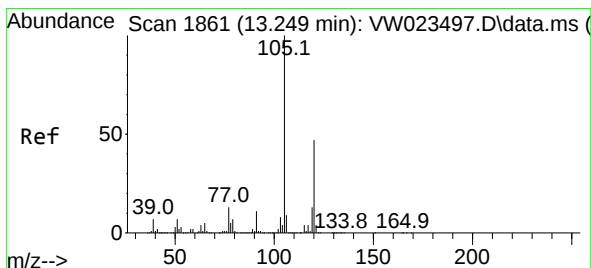
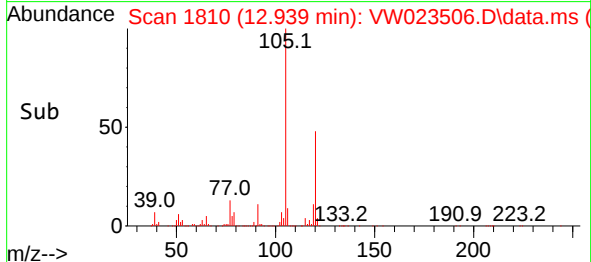
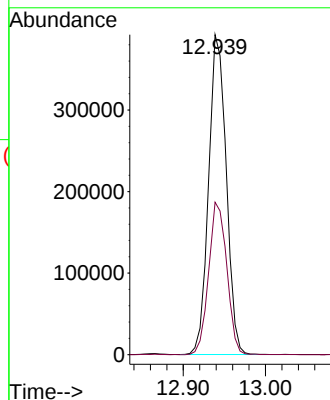
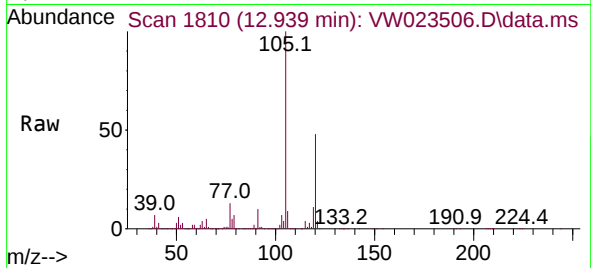
VSTD025578

Tgt Ion:105 Resp: 584201

Ion Ratio Lower Upper

105 100

120 49.0 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 24.477 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW023506.D

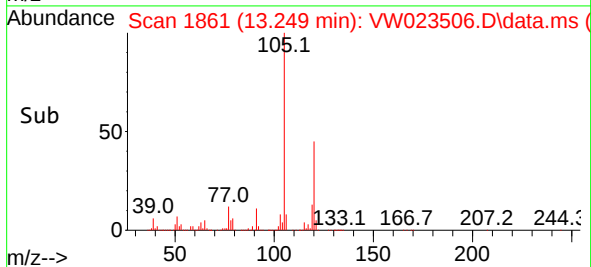
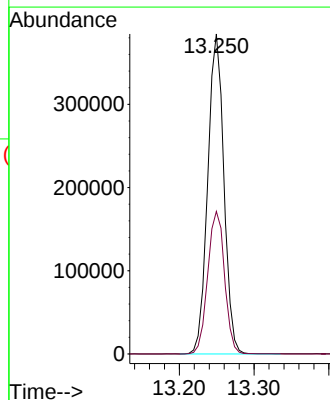
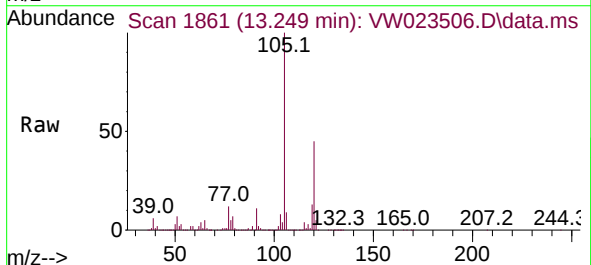
Acq: 22 Jun 2022 12:37

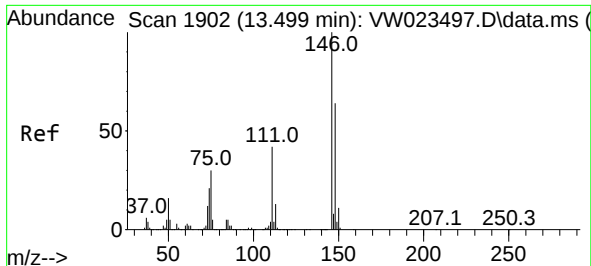
Tgt Ion:105 Resp: 575671

Ion Ratio Lower Upper

105 100

120 46.5 37.4 56.2

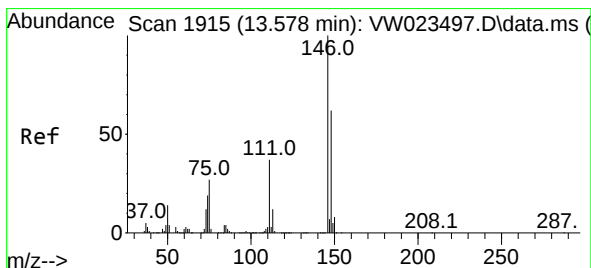
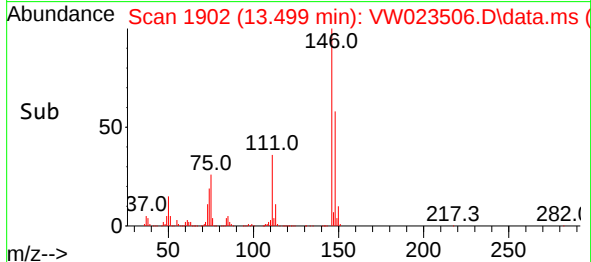
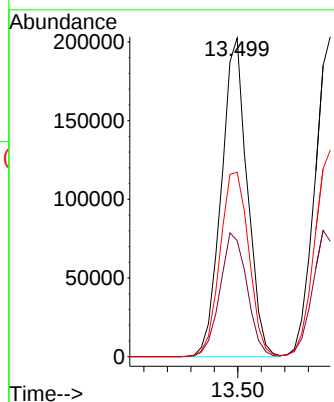
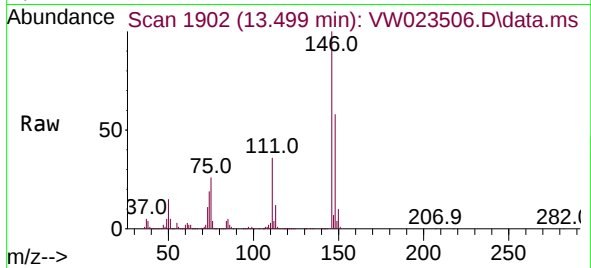




#64  
1,3-Dichlorobenzene  
Concen: 24.362 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

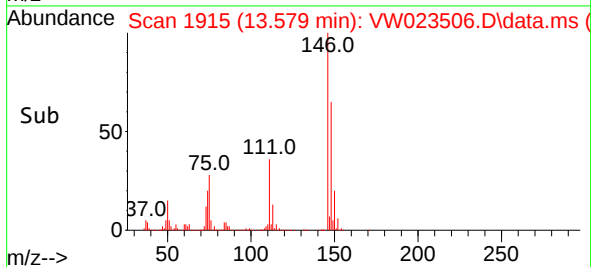
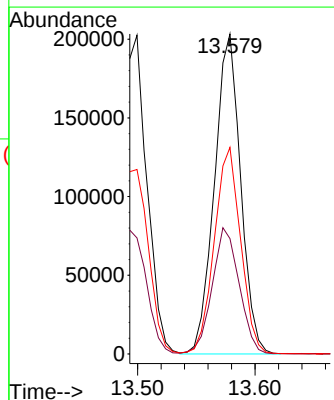
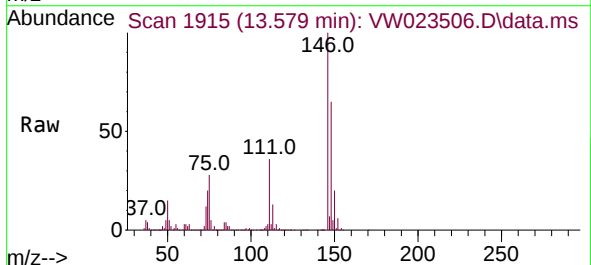
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025578

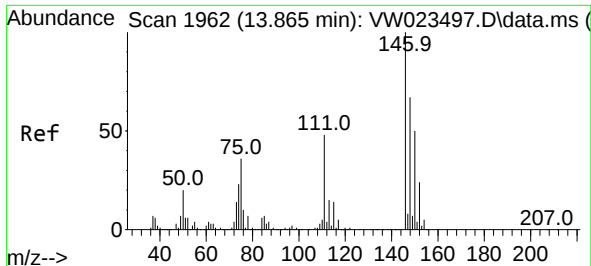
Tgt Ion:146 Resp: 310562  
Ion Ratio Lower Upper  
146 100  
111 36.4 29.5 54.9  
148 57.9 48.6 90.2



#65  
1,4-Dichlorobenzene  
Concen: 24.194 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VW023506.D  
Acq: 22 Jun 2022 12:37

Tgt Ion:146 Resp: 314933  
Ion Ratio Lower Upper  
146 100  
111 36.1 27.2 50.4  
148 64.6 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 25.117 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025578

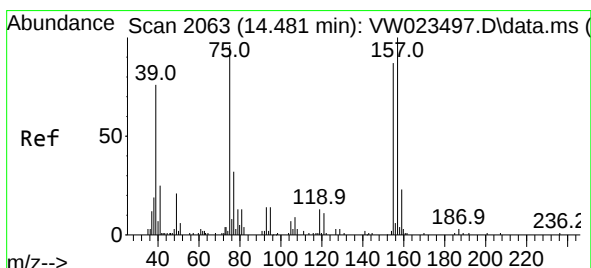
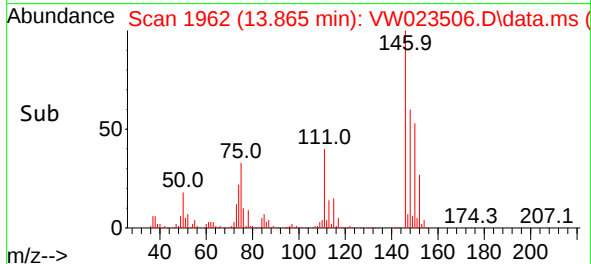
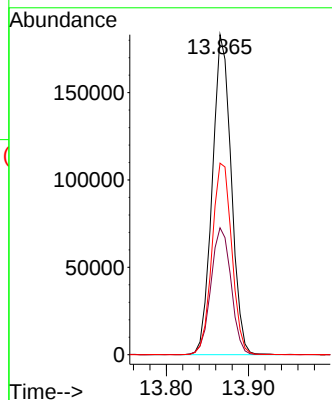
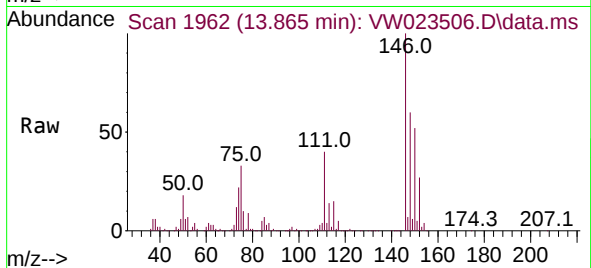
Tgt Ion:146 Resp: 293269

Ion Ratio Lower Upper

146 100

111 39.6 35.7 53.5

148 59.8 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 23.189 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

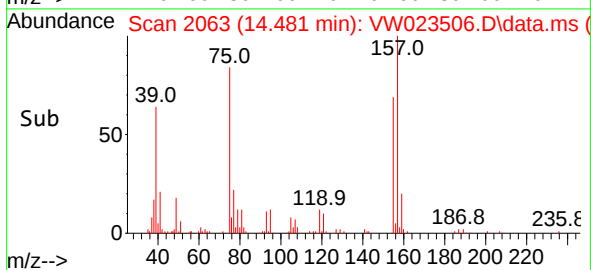
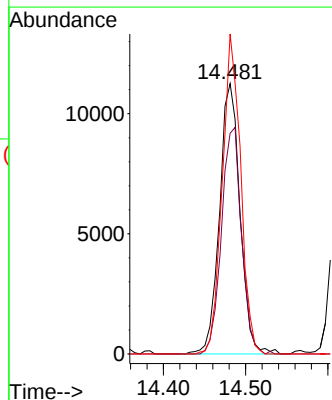
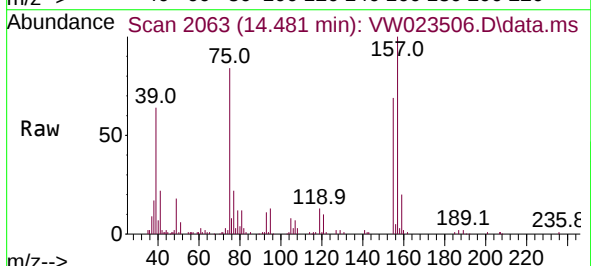
Tgt Ion: 75 Resp: 19559

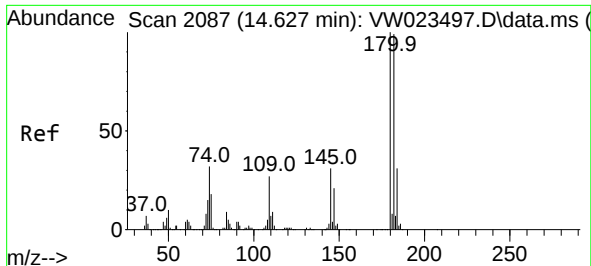
Ion Ratio Lower Upper

75 100

155 81.6 59.3 88.9

157 118.4 89.8 134.8

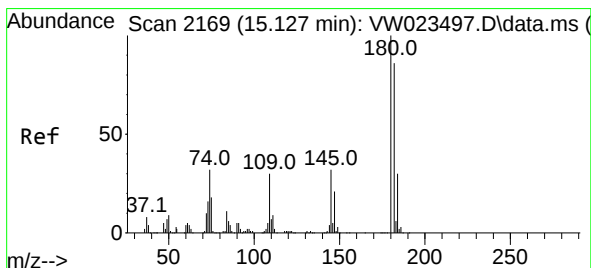
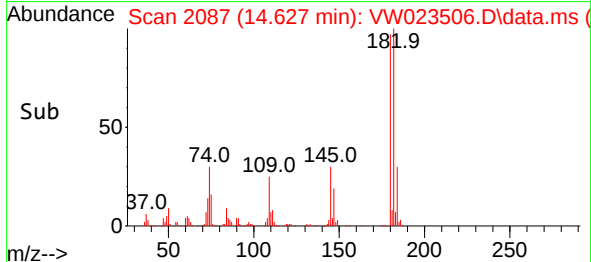
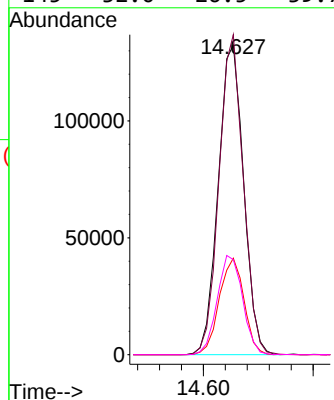
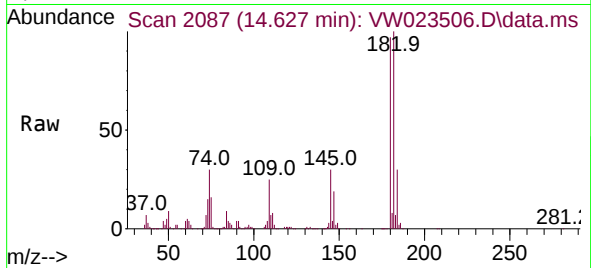




#69  
 1,3,5-Trichlorobenzene  
 Concen: 25.552 ug/L  
 RT: 14.627 min Scan# 2087  
 Delta R.T. 0.000 min  
 Lab File: VW023506.D  
 Acq: 22 Jun 2022 12:37

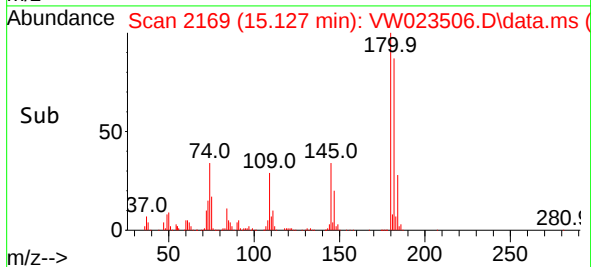
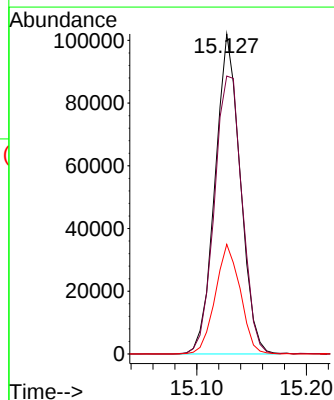
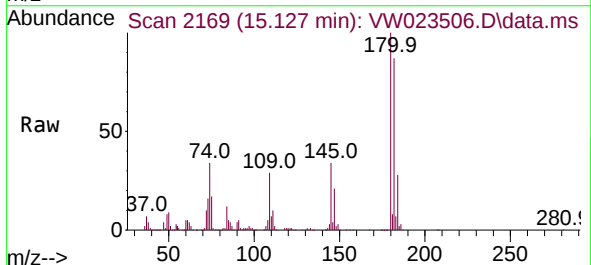
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025578

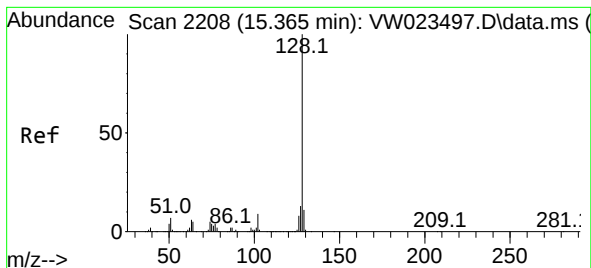
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 212844 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 98.7  | 74.8  | 112.2  |
| 184       | 30.3  | 23.4  | 35.2   |
| 145       | 32.0  | 26.5  | 39.7   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 25.177 ug/L  
 RT: 15.127 min Scan# 2169  
 Delta R.T. 0.000 min  
 Lab File: VW023506.D  
 Acq: 22 Jun 2022 12:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 163305 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.3  | 74.9  | 112.3  |
| 145       | 33.9  | 26.6  | 39.8   |





#71

Naphthalene

Concen: 26.109 ug/L

RT: 15.359 min Scan# 21

Delta R.T. -0.006 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025578

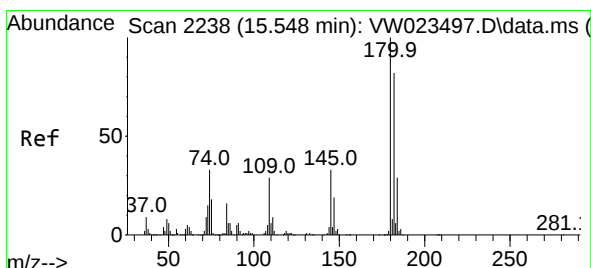
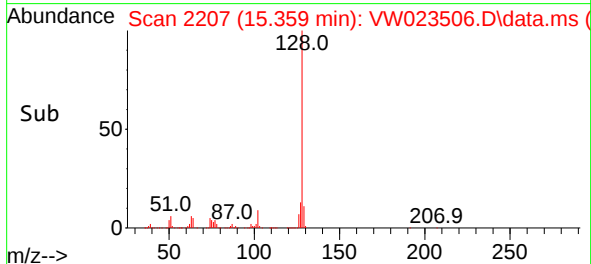
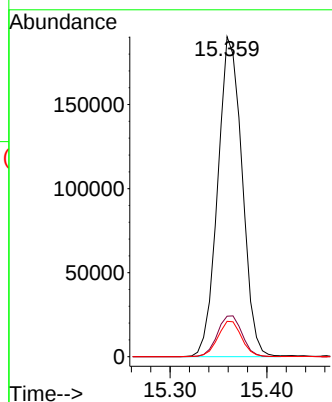
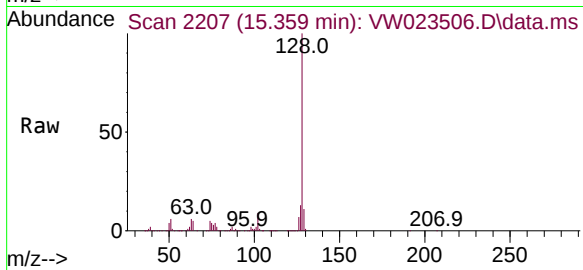
Tgt Ion:128 Resp: 333135

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 25.439 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW023506.D

Acq: 22 Jun 2022 12:37

Tgt Ion:180 Resp: 143446

Ion Ratio Lower Upper

180 100

182 97.2 73.5 110.3

145 35.3 27.9 41.9

