

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121121\  
 Data File : VW021317.D  
 Acq On : 11 Dec 2021 10:23  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 12 08:06:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 10 23:12:45 2021  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.842     | 114   | 91372    | 25.000   | ug/L       | # 0.00   |
| 28) Chlorobenzene-d5          | 11.634    | 117   | 87372    | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554    | 152   | 50070    | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.349     | 65    | 48681    | 29.253   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 117.000% |          |
| 7) Chloroethane-d5            | 2.879     | 69    | 33093    | 30.081   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 120.320% |          |
| 11) 1,1-Dichloroethene-d2     | 4.019     | 63    | 60183    | 27.127   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 108.520% |          |
| 21) 2-Butanone-d5             | 7.074     | 46    | 14449    | 61.596   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 123.200% |          |
| 24) Chloroform-d              | 7.647     | 84    | 68451    | 26.882   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 107.520% |          |
| 26) 1,2-Dichloroethane-d4     | 8.305     | 65    | 35182    | 25.975   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 103.880% |          |
| 32) Benzene-d6                | 8.275     | 84    | 129048   | 26.946   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 107.800% |          |
| 36) 1,2-Dichloropropane-d6    | 9.274     | 67    | 34859    | 27.140   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 108.560% |          |
| 41) Toluene-d8                | 10.323    | 98    | 126560   | 25.864   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 103.440% |          |
| 43) trans-1,3-Dichloroprop... | 10.573    | 79    | 17507    | 29.603   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 118.400% |          |
| 47) 2-Hexanone-d5             | 10.920    | 63    | 12315    | 64.841   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 129.680% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688    | 84    | 32665    | 29.585   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 118.320% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853    | 152   | 48968    | 25.235   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 100.920% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007     | 85    | 9651     | 27.337   | ug/L       | 93       |
| 3) Chloromethane              | 2.209     | 50    | 28160    | 24.093   | ug/L       | 97       |
| 5) Vinyl chloride             | 2.361     | 62    | 48233    | 26.287   | ug/L       | 95       |
| 6) Bromomethane               | 2.776     | 94    | 30126    | 25.313   | ug/L       | 89       |
| 8) Chloroethane               | 2.916     | 64    | 22938    | 27.136   | ug/L       | 98       |
| 9) Trichlorofluoromethane     | 3.257     | 101   | 24234    | 25.032   | ug/L       | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068     | 101   | 32643    | 25.872   | ug/L       | 91       |
| 12) 1,1-Dichloroethene        | 4.038     | 96    | 29268    | 25.842   | ug/L       | 81       |
| 13) Acetone                   | 4.123     | 43    | 10475    | 49.812   | ug/L       | 95       |
| 14) Carbon disulfide          | 4.379     | 76    | 82416    | 28.178   | ug/L       | 98       |
| 15) Methyl Acetate            | 4.672     | 43    | 10683    | 29.443   | ug/L       | # 88     |
| 16) Methylene chloride        | 4.915     | 84    | 29328    | 19.425   | ug/L       | 82       |
| 17) trans-1,2-Dichloroethene  | 5.428     | 96    | 30543    | 24.906   | ug/L       | 80       |
| 18) Methyl tert-butyl Ether   | 5.428     | 73    | 43070    | 25.430   | ug/L       | 94       |
| 19) 1,1-Dichloroethane        | 6.214     | 63    | 48263    | 25.080   | ug/L       | 98       |
| 20) cis-1,2-Dichloroethene    | 7.165     | 96    | 31754    | 24.550   | ug/L       | 75       |
| 22) 2-Butanone                | 7.171     | 43    | 14830    | 54.001   | ug/L       | 86       |
| 23) Bromochloromethane        | 7.513     | 128   | 15801    | 26.126   | ug/L       | # 63     |
| 25) Chloroform                | 7.677     | 83    | 55045    | 24.641   | ug/L       | 97       |

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 Sample : VSTDCCC025  
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 12 08:06:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 10 23:12:45 2021  
 Response via : Initial Calibration

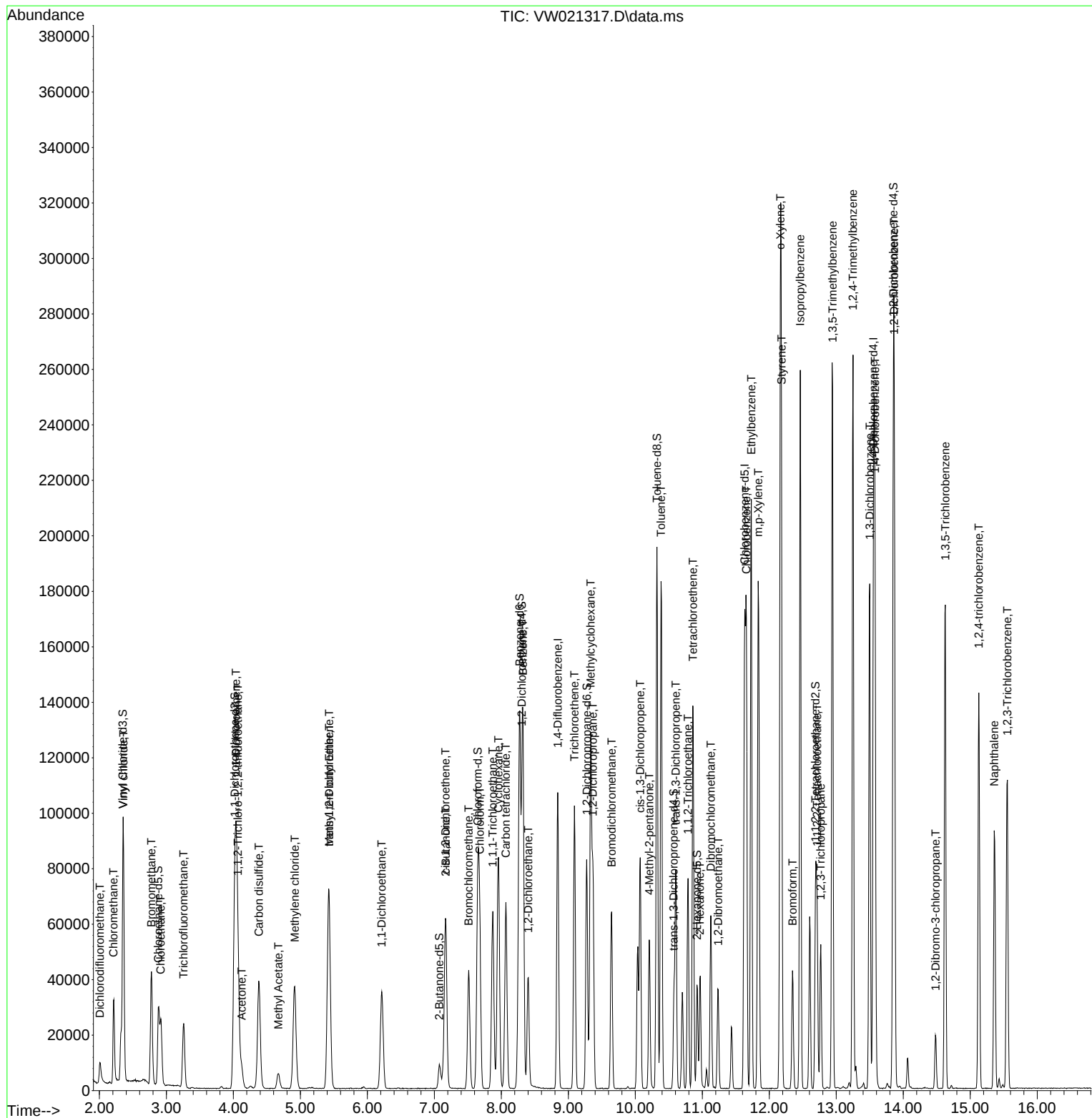
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 35634    | 25.189 | ug/L   | 96       |
| 29) Cyclohexane               | 7.958  | 56   | 41760    | 24.013 | ug/L # | 79       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 50763    | 25.894 | ug/L   | 94       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 49303    | 27.263 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 114946   | 24.150 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 31944    | 23.909 | ug/L   | 92       |
| 35) Methylcyclohexane         | 9.335  | 83   | 52991    | 24.043 | ug/L # | 83       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 26295    | 24.768 | ug/L # | 95       |
| 38) Bromodichloromethane      | 9.646  | 83   | 41069    | 28.135 | ug/L # | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 44678    | 26.697 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 32654    | 56.448 | ug/L # | 92       |
| 42) Toluene                   | 10.384 | 91   | 133351   | 23.956 | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 40459    | 27.601 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 23190    | 26.687 | ug/L   | 94       |
| 46) Tetrachloroethene         | 10.860 | 164  | 29944    | 23.592 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.963 | 43   | 24592    | 58.622 | ug/L # | 91       |
| 49) Dibromochloromethane      | 11.128 | 129  | 32194    | 30.053 | ug/L   | 84       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 23375    | 27.031 | ug/L # | 99       |
| 51) Chlorobenzene             | 11.658 | 112  | 89422    | 23.994 | ug/L   | 90       |
| 52) Ethylbenzene              | 11.731 | 91   | 145194   | 22.825 | ug/L   | 95       |
| 53) m,p-Xylene                | 11.835 | 106  | 59172    | 23.058 | ug/L   | 86       |
| 54) o-Xylene                  | 12.164 | 106  | 58290    | 23.934 | ug/L   | 89       |
| 55) Styrene                   | 12.182 | 104  | 100087   | 24.147 | ug/L   | 89       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 27667    | 27.775 | ug/L # | 95       |
| 59) Bromoform                 | 12.347 | 173  | 19493    | 32.720 | ug/L   | 95       |
| 60) Isopropylbenzene          | 12.463 | 105  | 156699   | 23.032 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 19320    | 26.513 | ug/L # | 93       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 132754   | 22.930 | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 135447   | 23.716 | ug/L   | 93       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 76811    | 23.935 | ug/L   | 90       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 80134    | 25.133 | ug/L   | 89       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 70121    | 24.819 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 4770     | 31.735 | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 55042    | 22.948 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 47505    | 24.624 | ug/L   | 91       |
| 71) Naphthalene               | 15.359 | 128  | 82600    | 26.354 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 40694    | 25.524 | ug/L   | 96       |

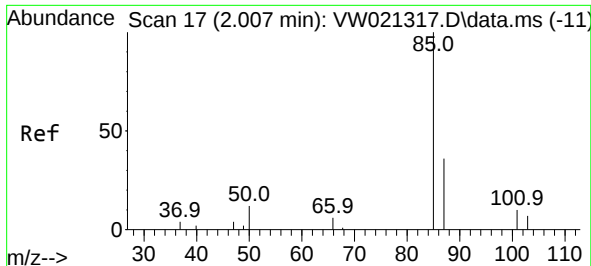
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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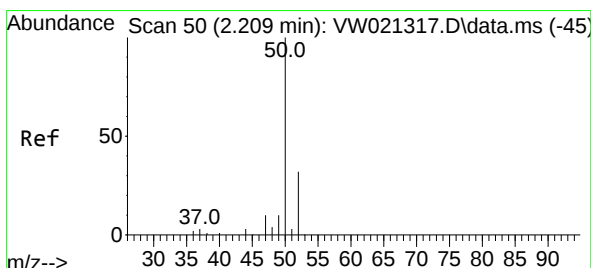
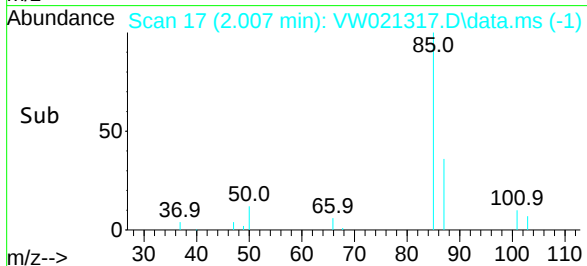
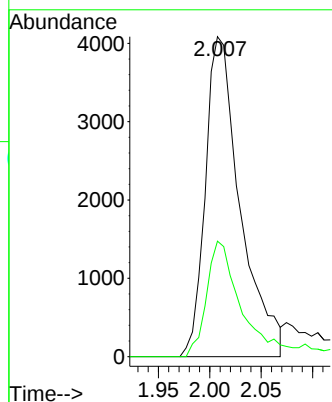
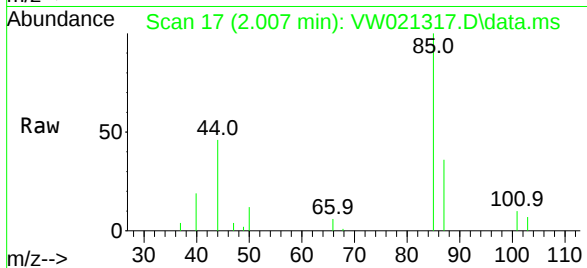




#2  
 Dichlorodifluoromethane  
 Concen: 27.337 ug/L  
 RT: 2.007 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW021317.D  
 Acq: 11 Dec 2021 10:23

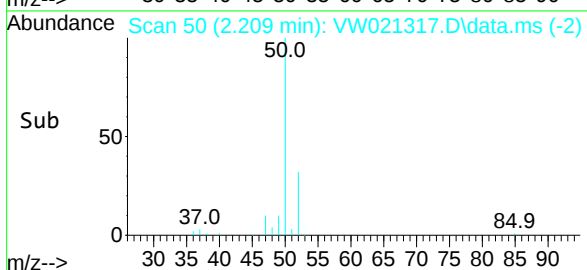
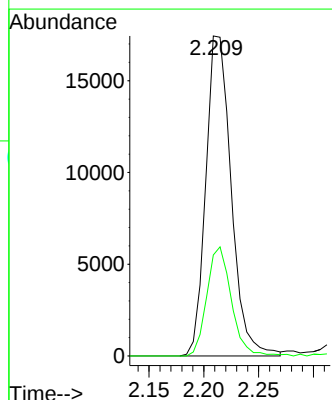
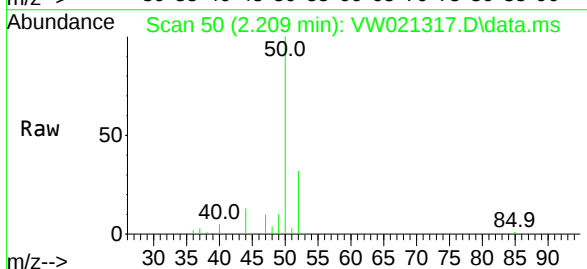
Instrument :  
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 ClientSampleId :

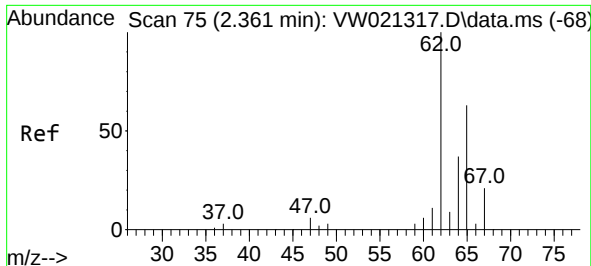
Tgt Ion: 85 Resp: 9651  
 Ion Ratio Lower Upper  
 85 100  
 87 36.0 25.8 38.6



#3  
 Chloromethane  
 Concen: 24.093 ug/L  
 RT: 2.209 min Scan# 50  
 Delta R.T. -0.006 min  
 Lab File: VW021317.D  
 Acq: 11 Dec 2021 10:23

Tgt Ion: 50 Resp: 28160  
 Ion Ratio Lower Upper  
 50 100  
 52 31.6 23.4 43.6



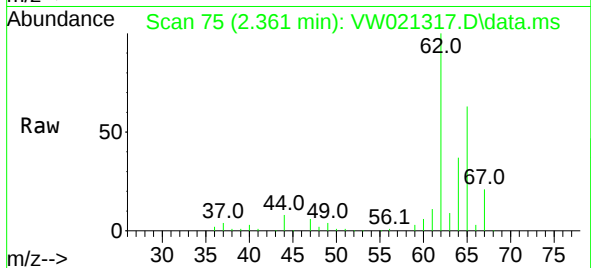


#5  
 Vinyl chloride  
 Concen: 26.287 ug/L  
 RT: 2.361 min Scan# 75  
 Delta R.T. -0.000 min  
 Lab File: VW021317.D  
 Acq: 11 Dec 2021 10:23

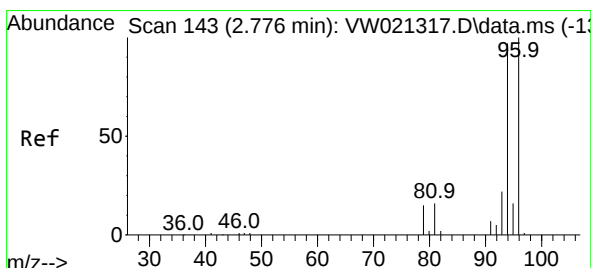
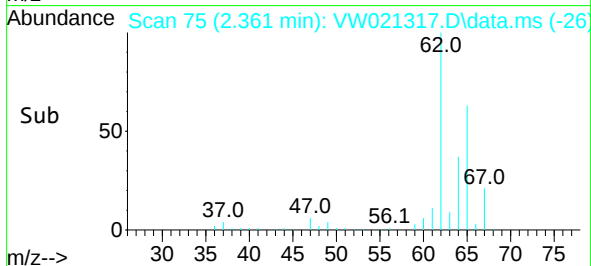
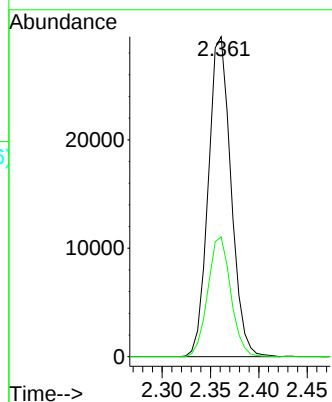
Instrument :

MSVOA\_W

ClientSampleId :

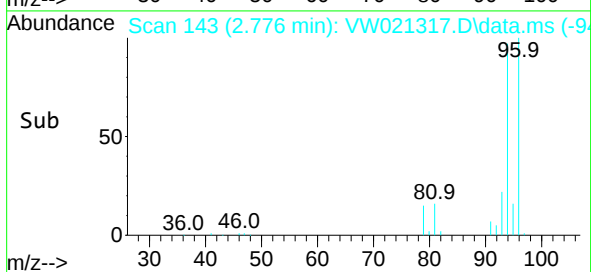
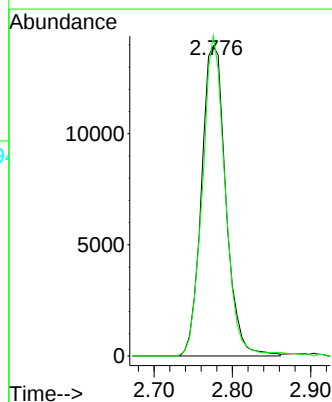
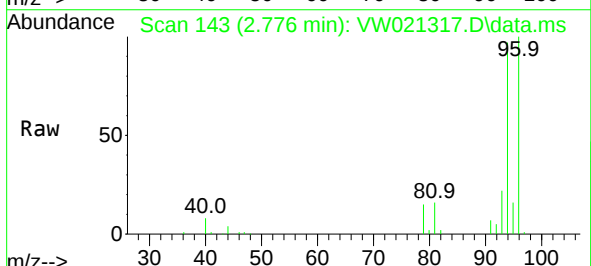


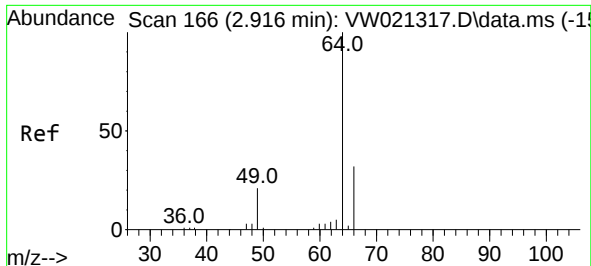
Tgt Ion: 62 Resp: 48233  
 Ion Ratio Lower Upper  
 62 100  
 64 37.5 24.4 45.2



#6  
 Bromomethane  
 Concen: 25.313 ug/L  
 RT: 2.776 min Scan# 143  
 Delta R.T. -0.000 min  
 Lab File: VW021317.D  
 Acq: 11 Dec 2021 10:23

Tgt Ion: 94 Resp: 30126  
 Ion Ratio Lower Upper  
 94 100  
 96 103.3 64.8 120.4

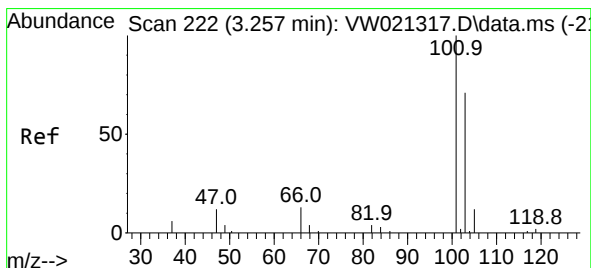
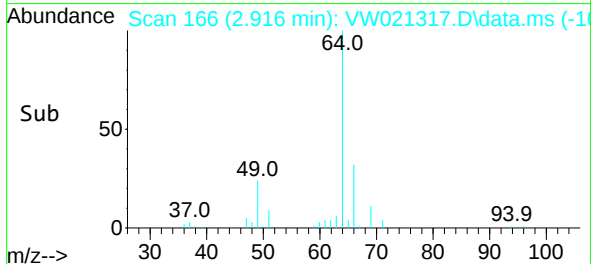
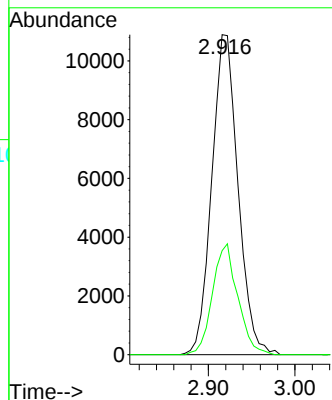
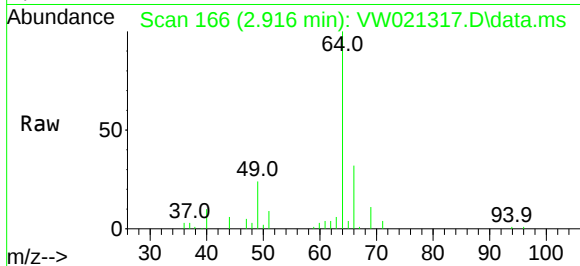




#8  
Chloroethane  
Concen: 27.136 ug/L  
RT: 2.916 min Scan# 166  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

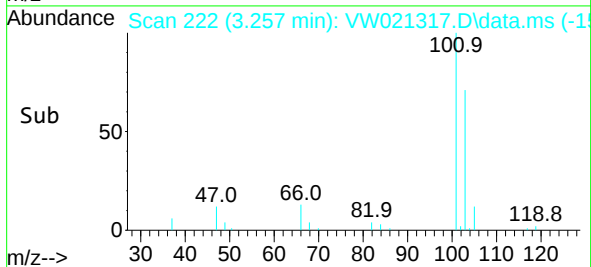
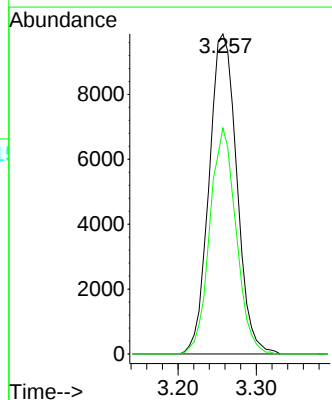
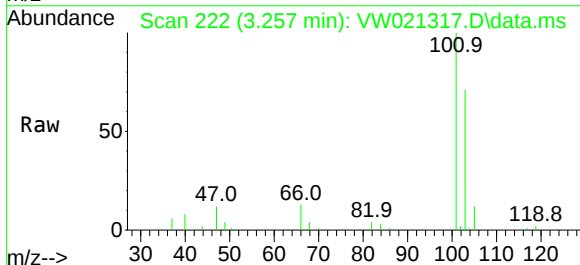
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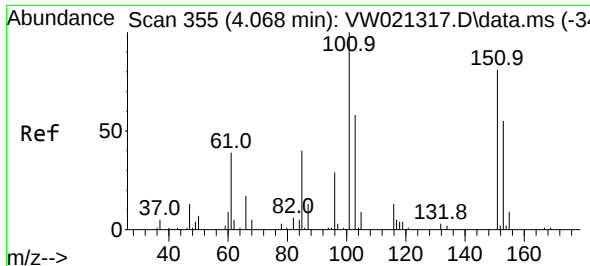
Tgt Ion: 64 Resp: 22938  
Ion Ratio Lower Upper  
64 100  
66 32.5 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 25.032 ug/L  
RT: 3.257 min Scan# 222  
Delta R.T. 0.006 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

Tgt Ion:101 Resp: 24234  
Ion Ratio Lower Upper  
101 100  
103 67.0 51.4 77.2

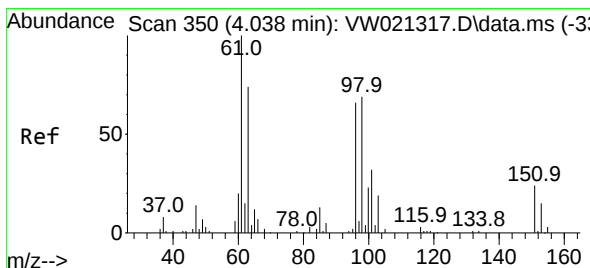
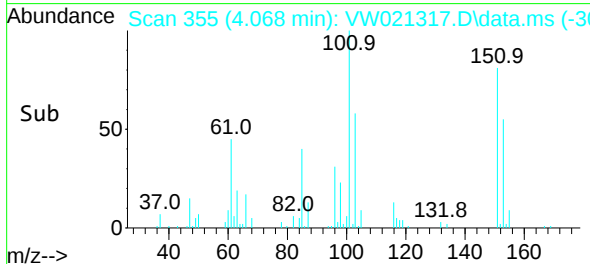
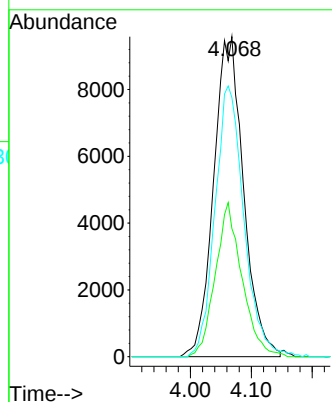
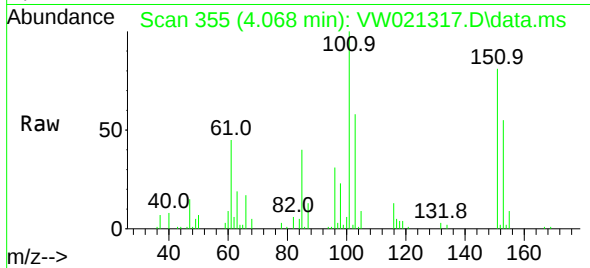




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 25.872 ug/L  
 RT: 4.068 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VW021317.D  
 Acq: 11 Dec 2021 10:23

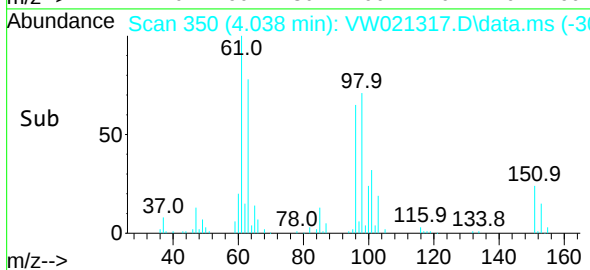
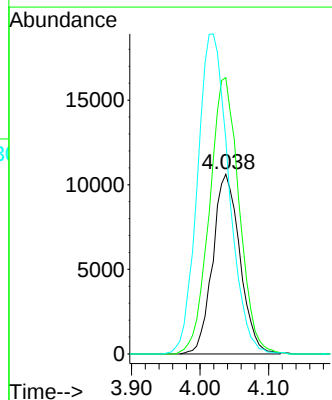
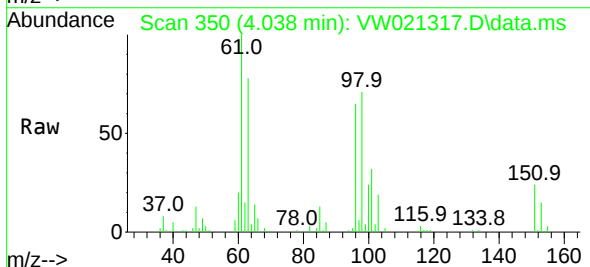
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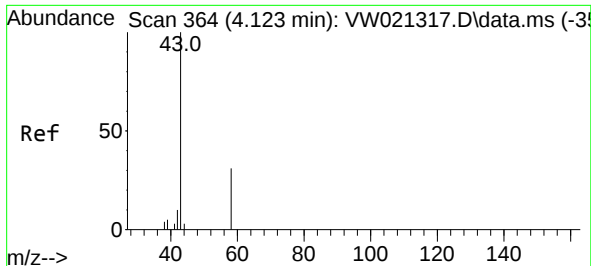
Tgt Ion:101 Resp: 32643  
 Ion Ratio Lower Upper  
 101 100  
 85 42.9 36.6 54.8  
 151 81.8 57.4 86.0



#12  
 1,1-Dichloroethene  
 Concen: 25.842 ug/L  
 RT: 4.038 min Scan# 350  
 Delta R.T. -0.006 min  
 Lab File: VW021317.D  
 Acq: 11 Dec 2021 10:23

Tgt Ion: 96 Resp: 29268  
 Ion Ratio Lower Upper  
 96 100  
 61 153.7 138.3 256.9  
 63 119.6 82.6 153.4





#13

Acetone

Concen: 49.812 ug/L

RT: 4.123 min Scan# 364

Delta R.T. -0.000 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

Instrument :

MSVOA\_W

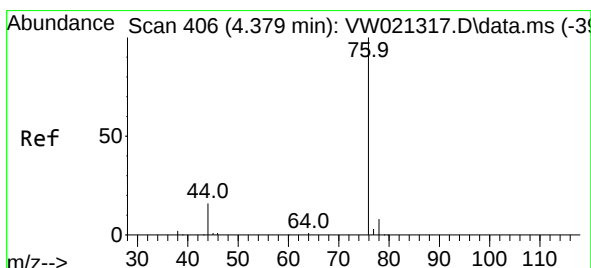
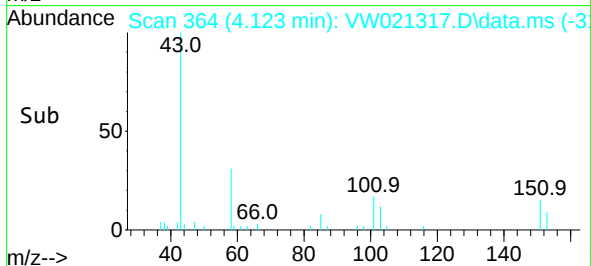
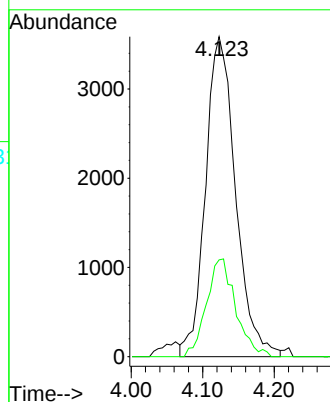
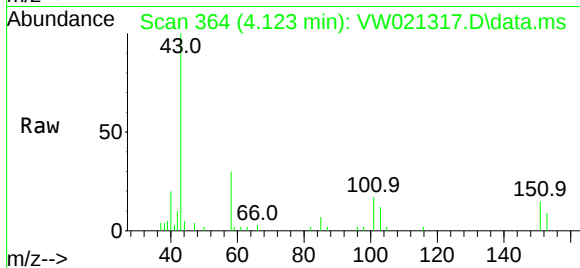
ClientSampleId :

Tgt Ion: 43 Resp: 10475

Ion Ratio Lower Upper

43 100

58 29.2 0.0 52.8



#14

Carbon disulfide

Concen: 28.178 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW021317.D

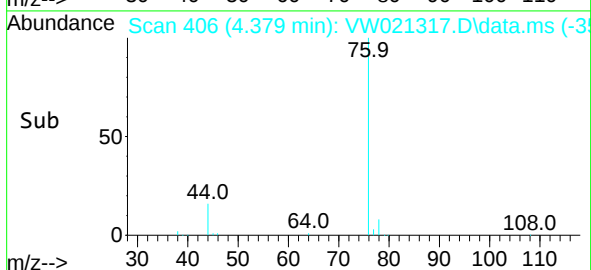
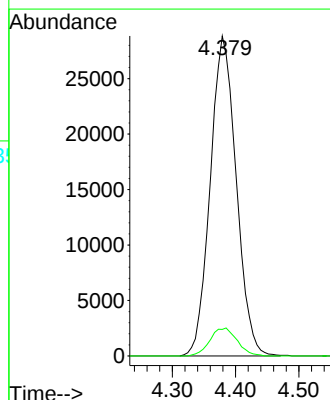
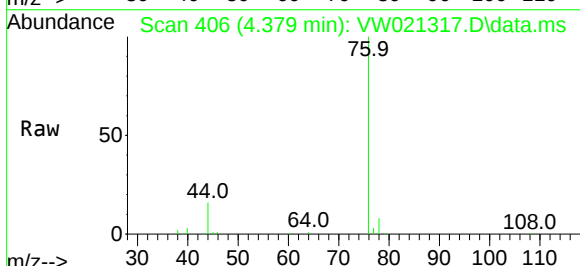
Acq: 11 Dec 2021 10:23

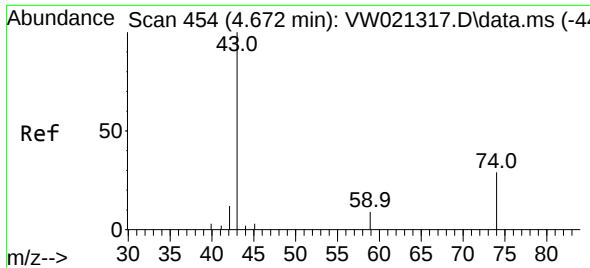
Tgt Ion: 76 Resp: 82416

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7

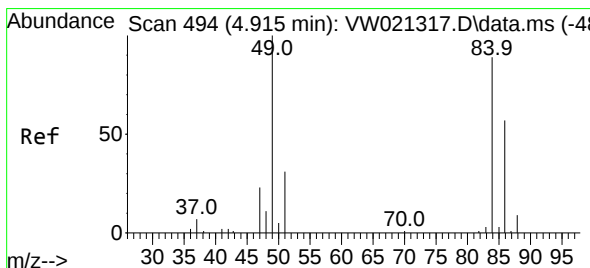
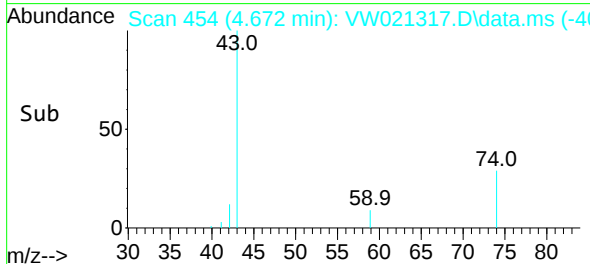
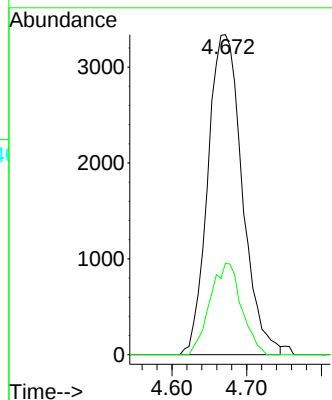
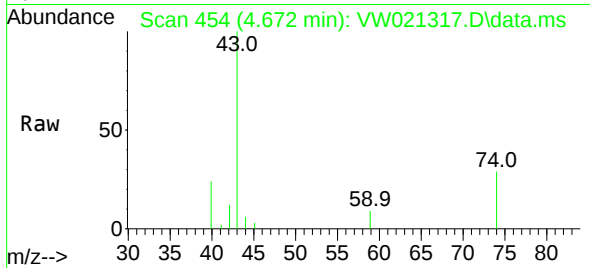




#15  
Methyl Acetate  
Concen: 29.443 ug/L  
RT: 4.672 min Scan# 454  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

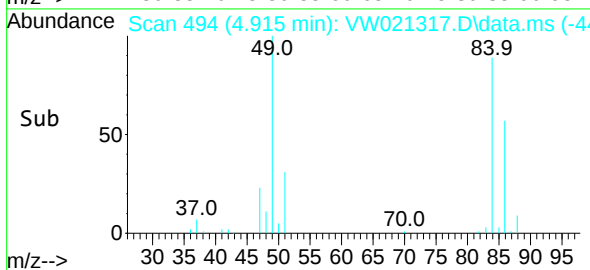
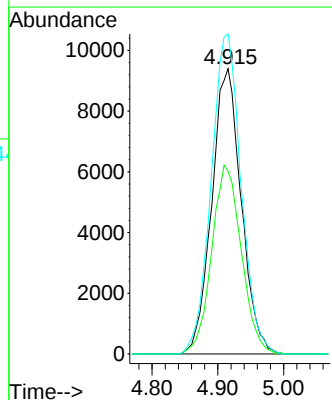
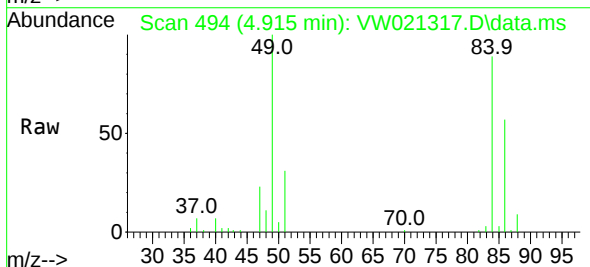
Instrument :  
MSVOA\_W  
ClientSampleId :

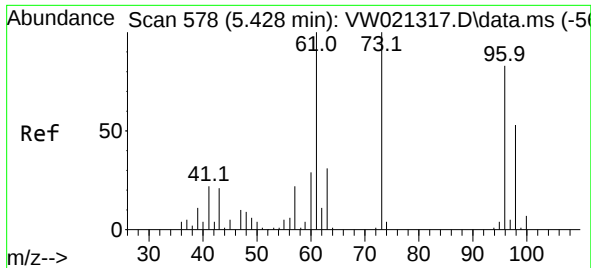
Tgt Ion: 43 Resp: 10683  
Ion Ratio Lower Upper  
43 100  
74 26.1 16.4 24.6#



#16  
Methylene chloride  
Concen: 19.425 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

Tgt Ion: 84 Resp: 29328  
Ion Ratio Lower Upper  
84 100  
86 64.1 45.5 84.5  
49 112.2 100.5 186.7



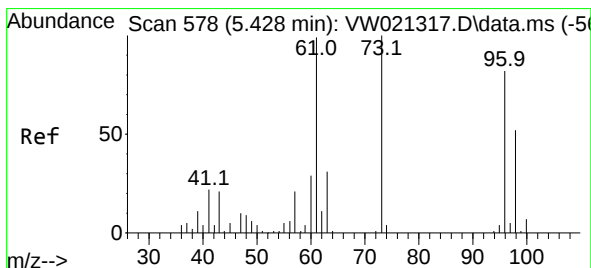
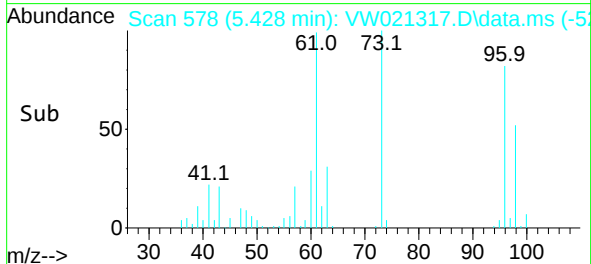
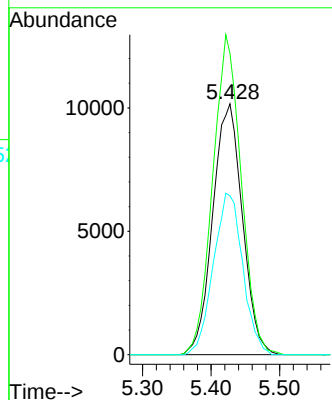
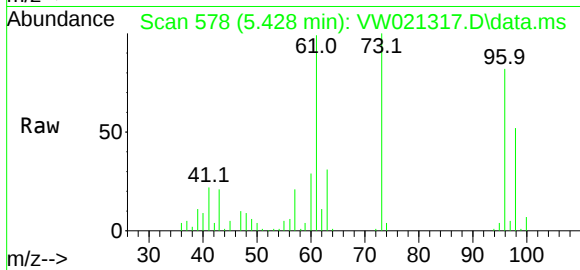


#17  
 trans-1,2-Dichloroethene  
 Concen: 24.906 ug/L  
 RT: 5.428 min Scan# 578  
 Delta R.T. 0.006 min  
 Lab File: VW021317.D  
 Acq: 11 Dec 2021 10:23

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Tgt Ion: 96 Resp: 30543  

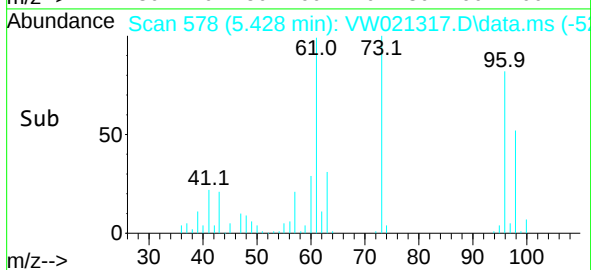
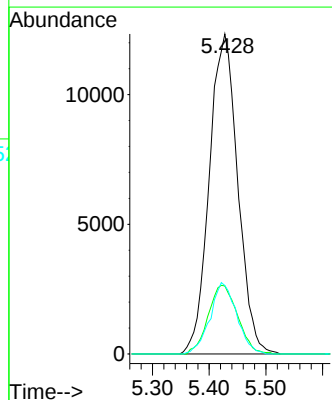
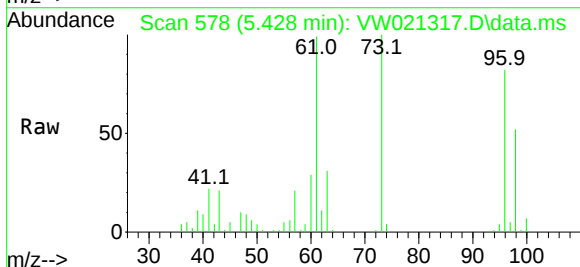
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 120.0 | 107.4 | 199.4 |
| 98  | 63.3  | 41.2  | 76.6  |

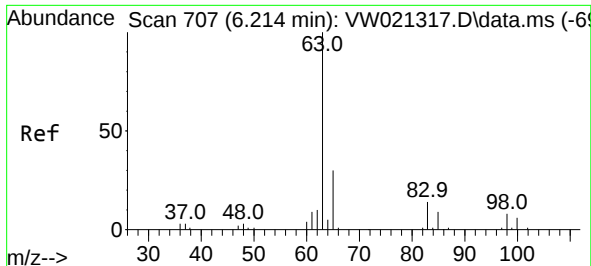


#18  
 Methyl tert-butyl Ether  
 Concen: 25.430 ug/L  
 RT: 5.428 min Scan# 578  
 Delta R.T. 0.006 min  
 Lab File: VW021317.D  
 Acq: 11 Dec 2021 10:23

Tgt Ion: 73 Resp: 43070  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 22.1  | 19.5  | 29.3  |
| 57  | 20.9  | 19.3  | 28.9  |





#19

1,1-Dichloroethane

Concen: 25.080 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

Instrument :

MSVOA\_W

ClientSampleId :

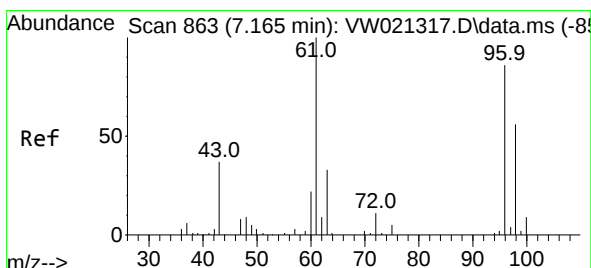
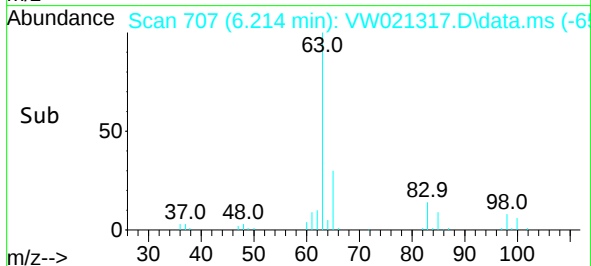
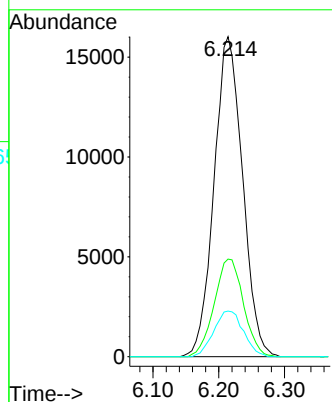
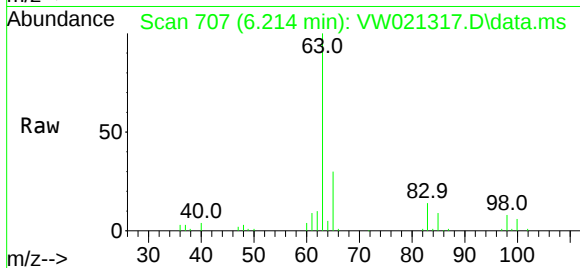
Tgt Ion: 63 Resp: 48263

Ion Ratio Lower Upper

63 100

65 30.5 22.1 41.1

83 14.3 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 24.550 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.006 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

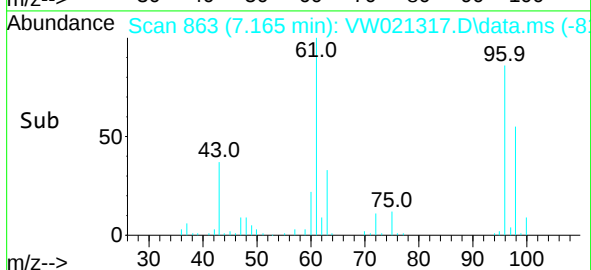
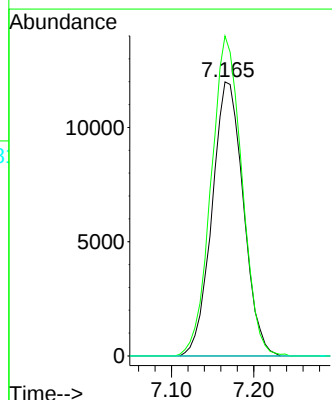
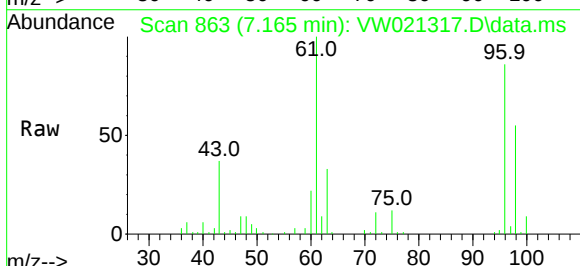
Tgt Ion: 96 Resp: 31754

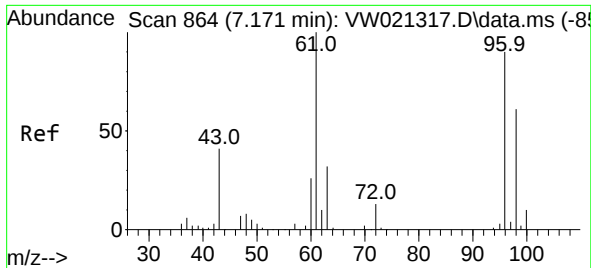
Ion Ratio Lower Upper

96 100

61 116.7 103.7 192.7

68 0.0 0.0 0.0

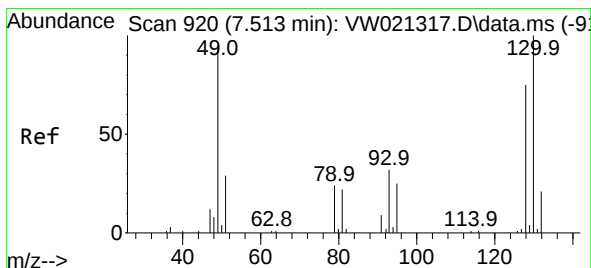
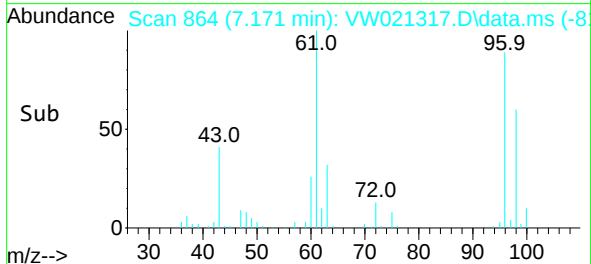
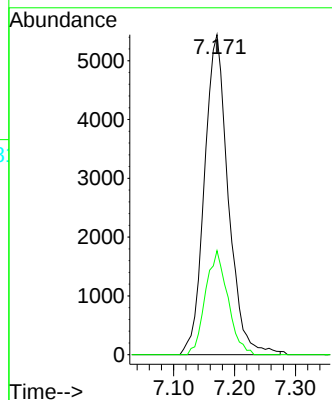
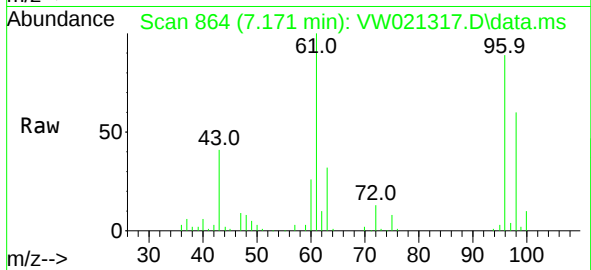




#22  
2-Butanone  
Concen: 54.001 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

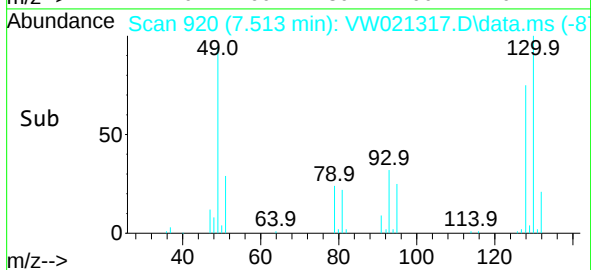
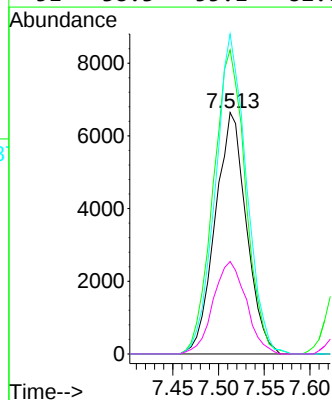
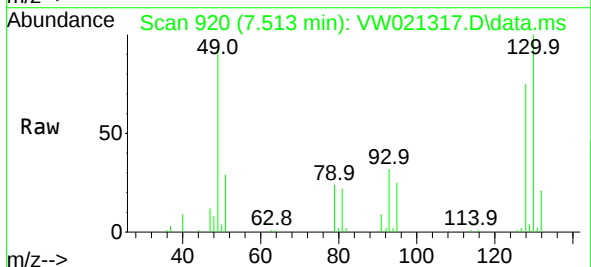
Instrument :  
MSVOA\_W  
ClientSampleId :

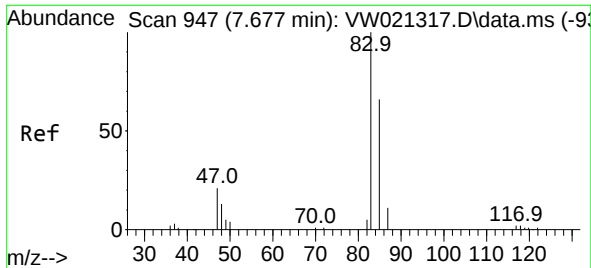
Tgt Ion: 43 Resp: 14830  
Ion Ratio Lower Upper  
43 100  
72 30.4 11.8 35.4



#23  
Bromochloromethane  
Concen: 26.126 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

Tgt Ion: 128 Resp: 15801  
Ion Ratio Lower Upper  
128 100  
49 125.9 150.3 279.1#  
130 132.5 88.3 163.9  
51 38.3 55.1 82.7#

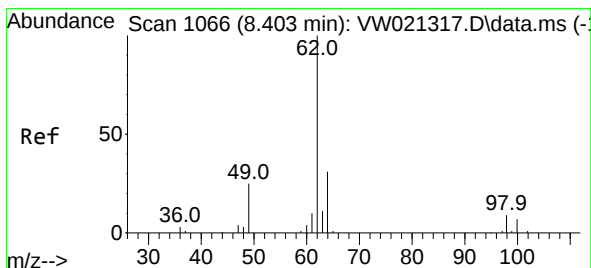
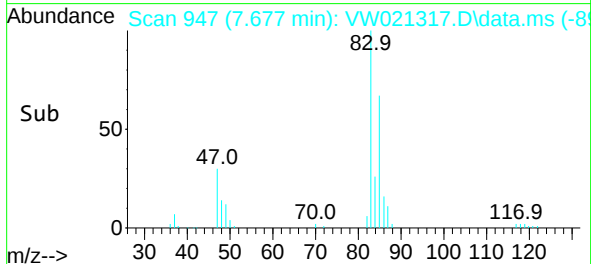
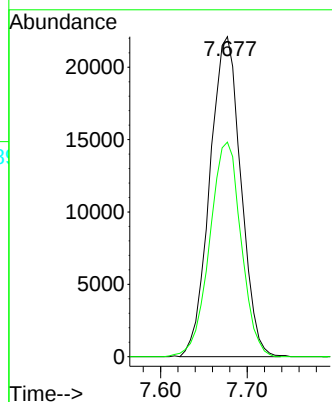
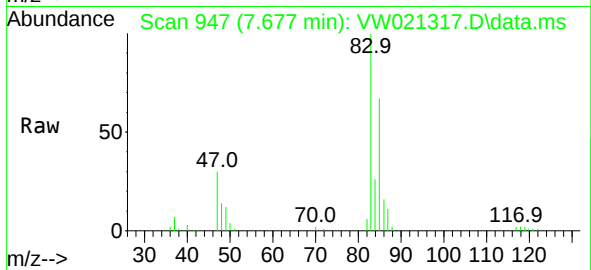




#25  
Chloroform  
Concen: 24.641 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

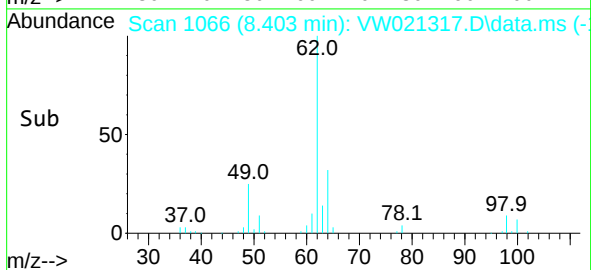
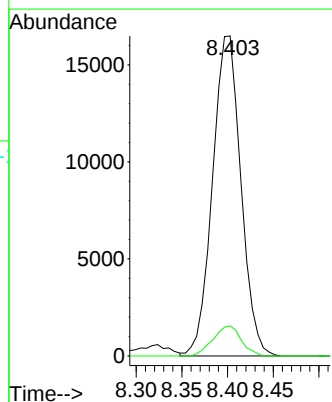
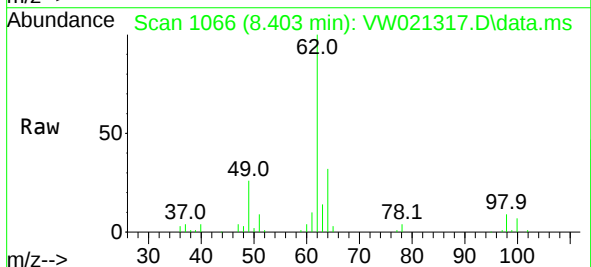
Instrument :  
MSVOA\_W  
ClientSampleId :

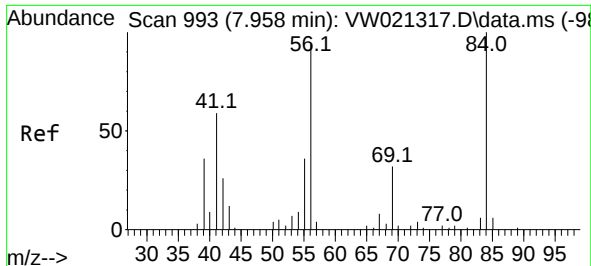
Tgt Ion: 83 Resp: 55045  
Ion Ratio Lower Upper  
83 100  
85 67.0 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 25.189 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

Tgt Ion: 62 Resp: 35634  
Ion Ratio Lower Upper  
62 100  
98 9.4 6.5 9.7





#29

Cyclohexane

Concen: 24.013 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

Instrument :

MSVOA\_W

ClientSampleId :

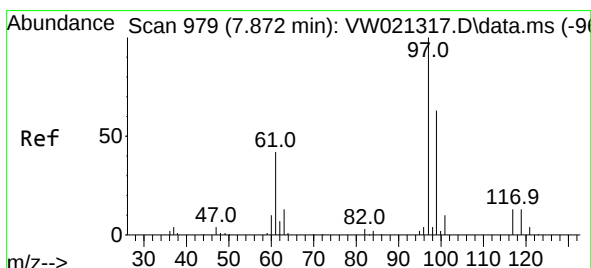
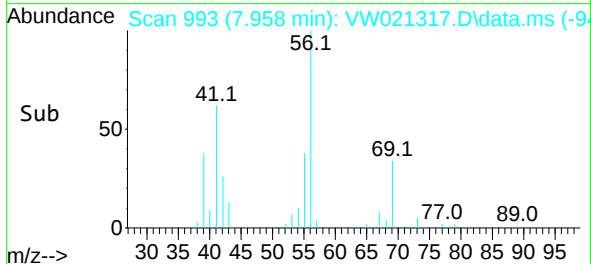
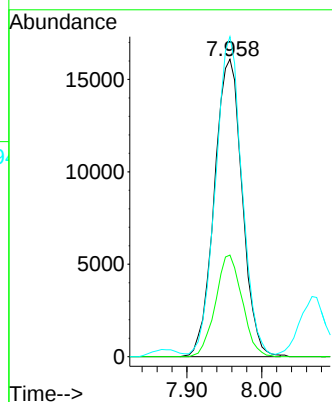
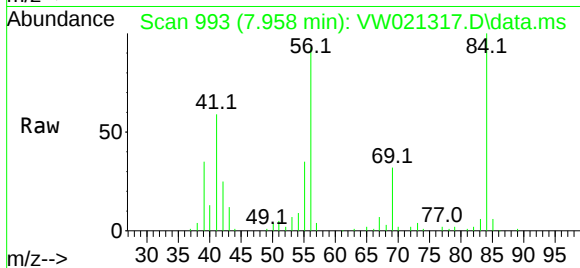
Tgt Ion: 56 Resp: 41760

Ion Ratio Lower Upper

56 100

69 32.6 23.5 35.3

84 102.9 63.4 95.2#



#30

1,1,1-Trichloroethane

Concen: 25.894 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

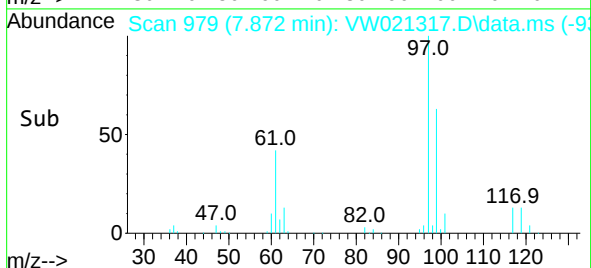
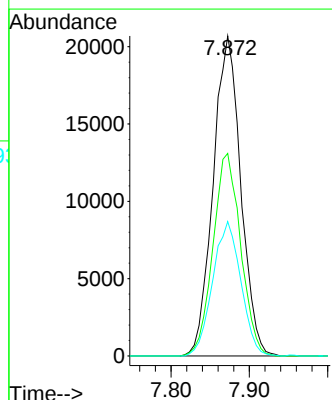
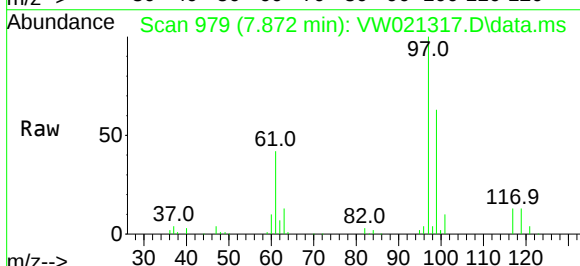
Tgt Ion: 97 Resp: 50763

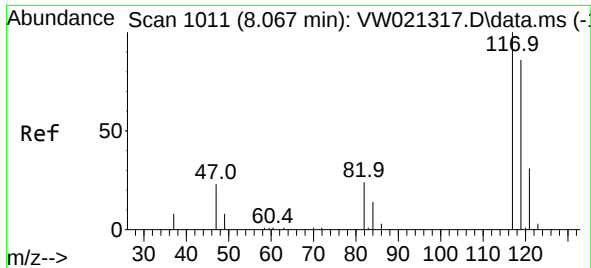
Ion Ratio Lower Upper

97 100

99 63.3 51.6 77.4

61 42.7 40.9 61.3

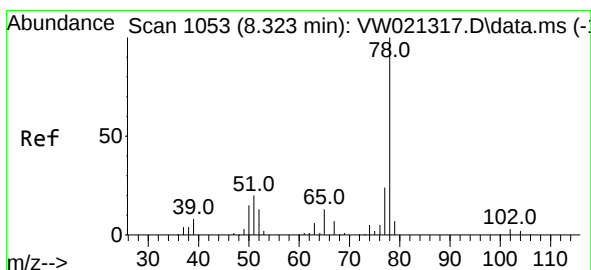
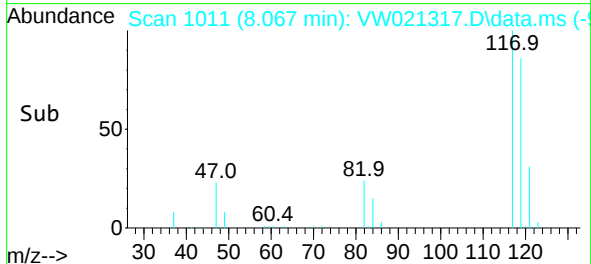
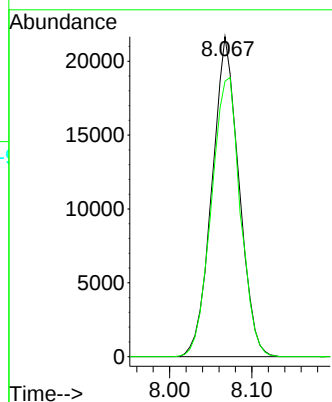
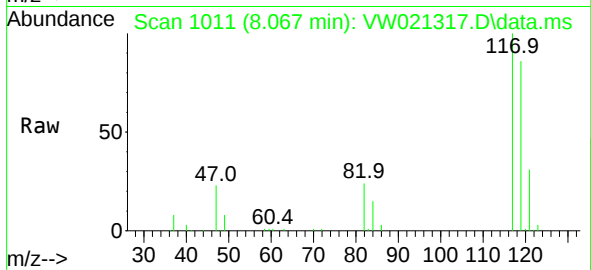




#31  
Carbon tetrachloride  
Concen: 27.263 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

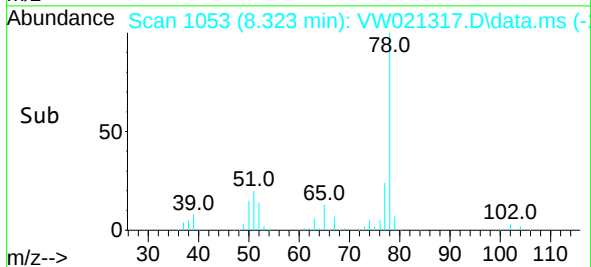
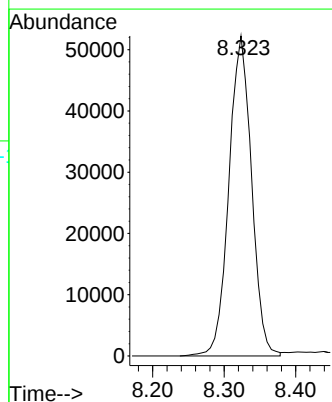
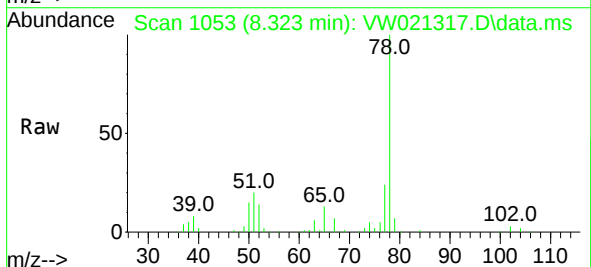
Instrument :  
MSVOA\_W  
ClientSampleId :

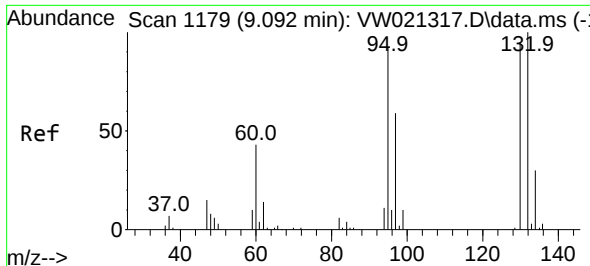
Tgt Ion:117 Resp: 49303  
Ion Ratio Lower Upper  
117 100  
119 93.8 75.7 113.5



#33  
Benzene  
Concen: 24.150 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

Tgt Ion: 78 Resp: 114946





#34

Trichloroethene

Concen: 23.909 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. -0.000 min

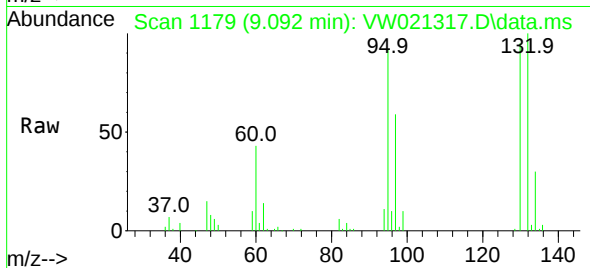
Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 31944

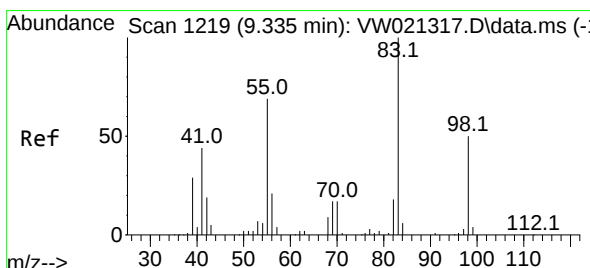
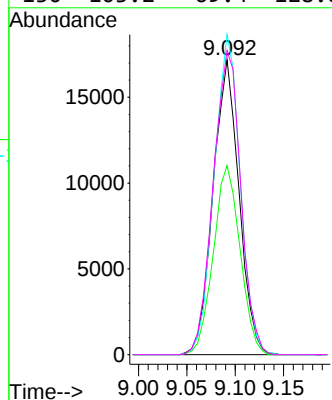
Ion Ratio Lower Upper

95 100

97 64.2 47.0 87.2

132 108.5 65.5 121.6

130 103.2 69.4 128.8



#35

Methylcyclohexane

Concen: 24.043 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

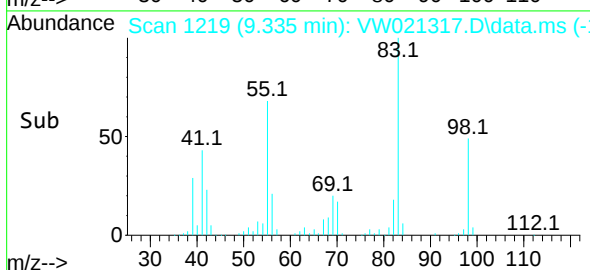
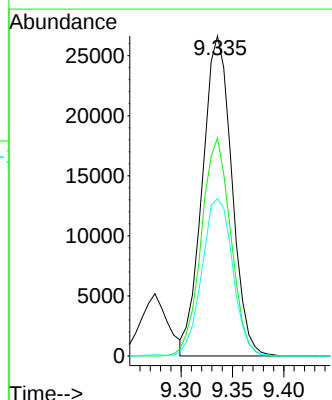
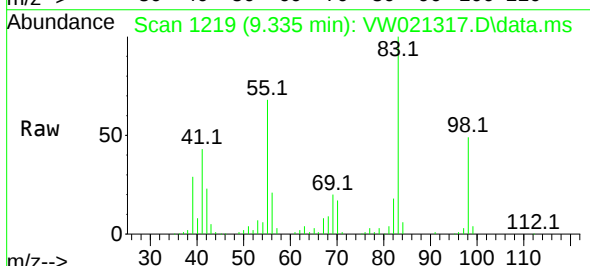
Tgt Ion: 83 Resp: 52991

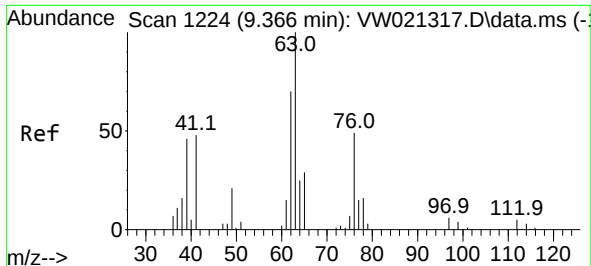
Ion Ratio Lower Upper

83 100

55 67.9 70.8 106.2#

98 51.6 37.7 56.5





#37

1,2-Dichloropropane

Concen: 24.768 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

Instrument :

MSVOA\_W

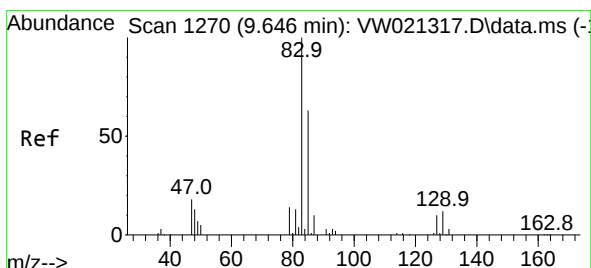
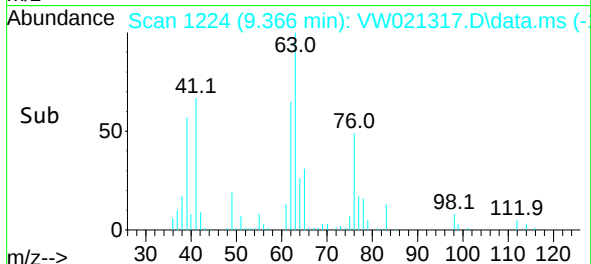
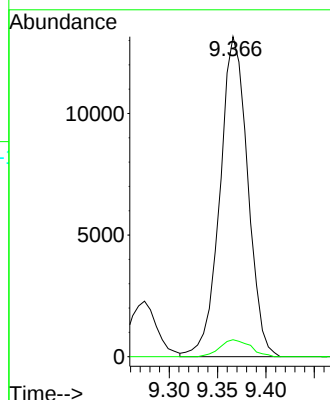
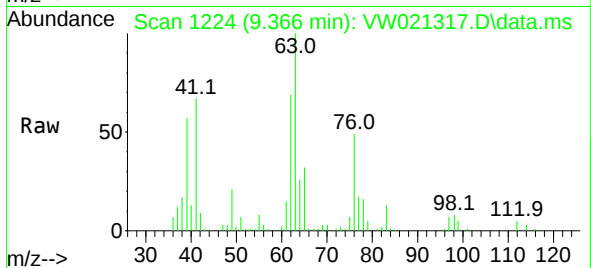
ClientSampleId :

Tgt Ion: 63 Resp: 26295

Ion Ratio Lower Upper

63 100

112 5.8 3.2 4.8#



#38

Bromodichloromethane

Concen: 28.135 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

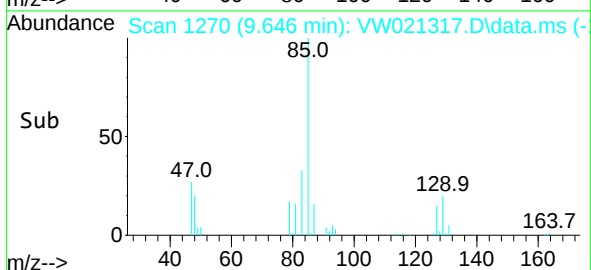
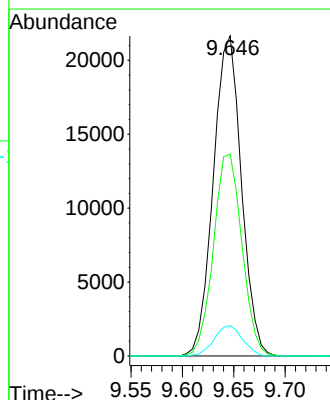
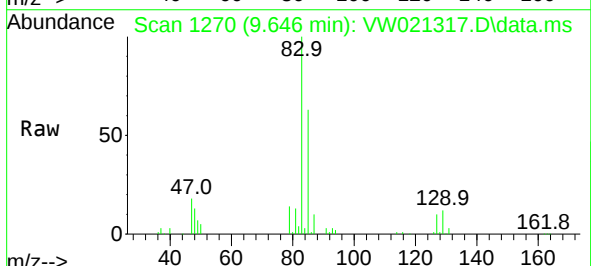
Tgt Ion: 83 Resp: 41069

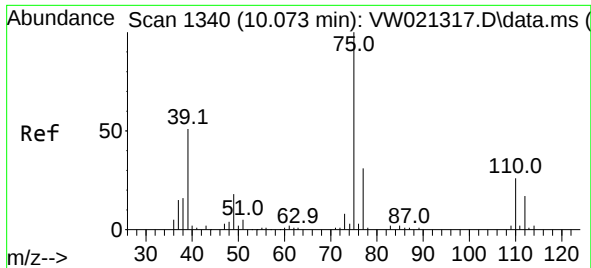
Ion Ratio Lower Upper

83 100

85 63.1 44.1 81.9

127 9.5 6.1 9.1#

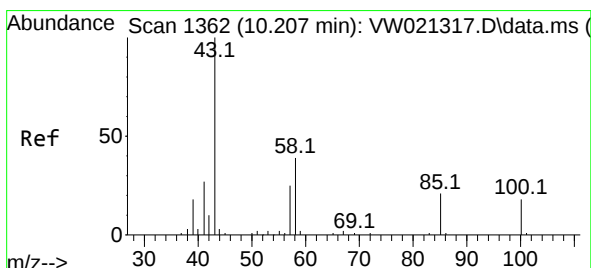
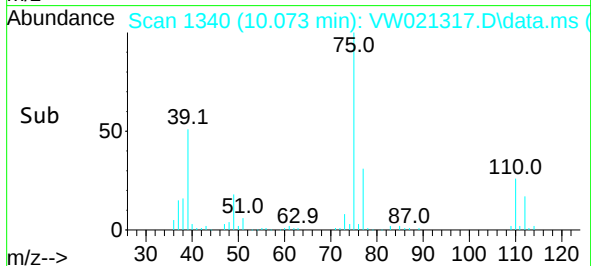
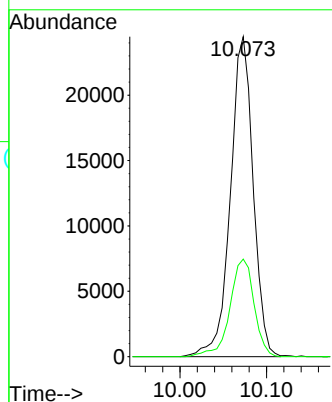
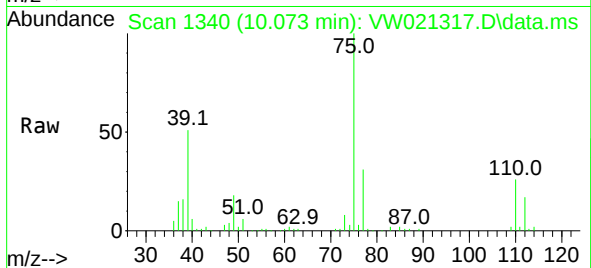




#39  
 cis-1,3-Dichloropropene  
 Concen: 26.697 ug/L  
 RT: 10.073 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW021317.D  
 Acq: 11 Dec 2021 10:23

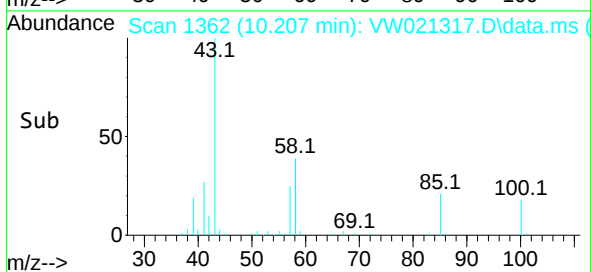
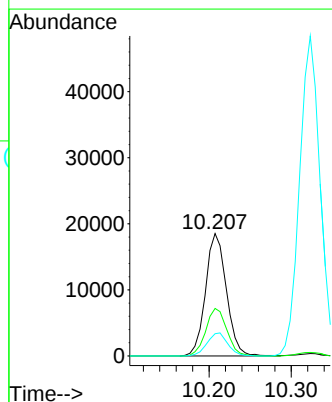
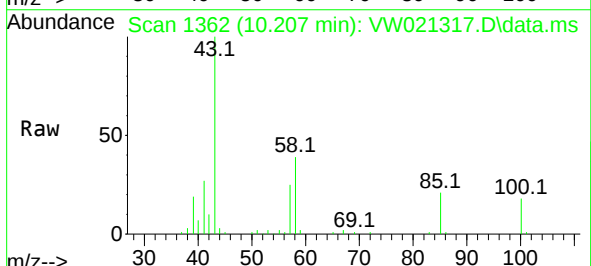
Instrument :  
 MSVOA\_W  
 ClientSampleId :

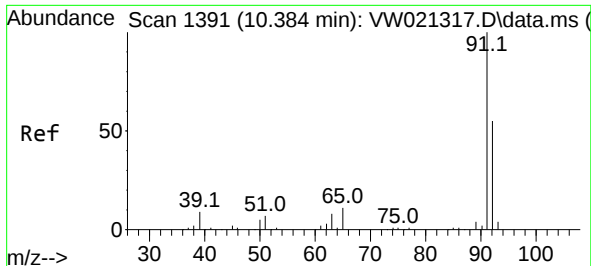
Tgt Ion: 75 Resp: 44678  
 Ion Ratio Lower Upper  
 75 100  
 77 30.5 21.8 40.6



#40  
 4-Methyl-2-pentanone  
 Concen: 56.448 ug/L  
 RT: 10.207 min Scan# 1362  
 Delta R.T. -0.000 min  
 Lab File: VW021317.D  
 Acq: 11 Dec 2021 10:23

Tgt Ion: 43 Resp: 32654  
 Ion Ratio Lower Upper  
 43 100  
 58 39.1 28.8 43.2  
 100 18.8 10.0 15.0#

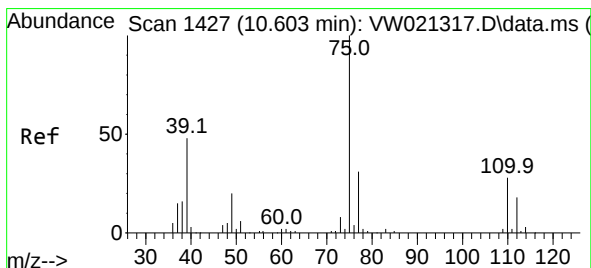
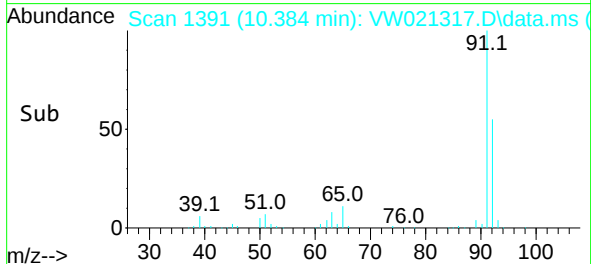
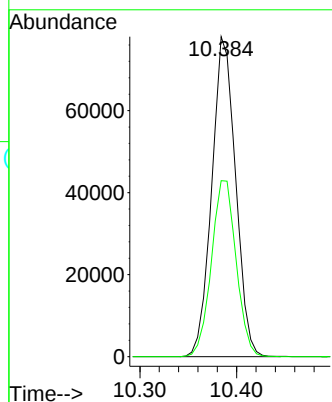
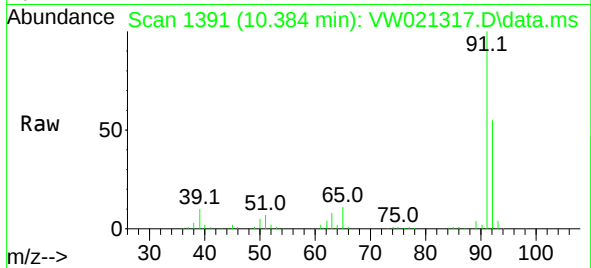




#42  
Toluene  
Concen: 23.956 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

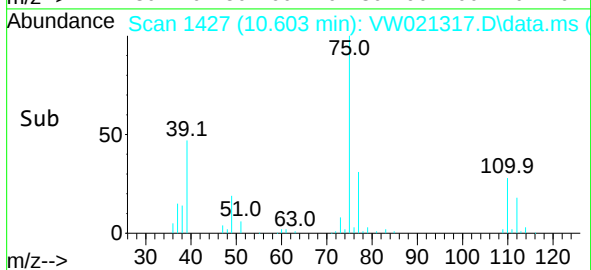
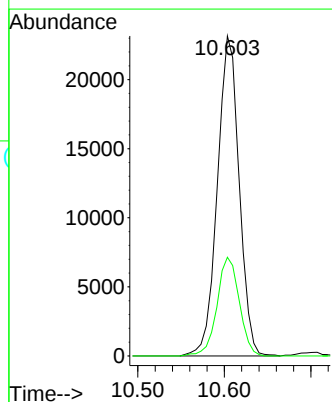
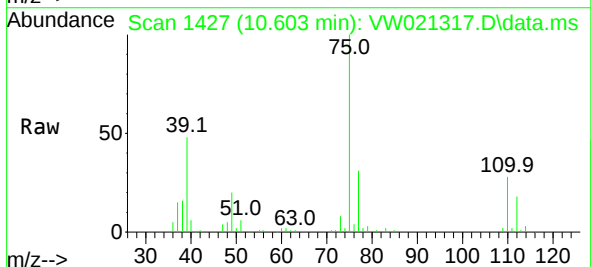
Instrument :  
MSVOA\_W  
ClientSampleId :

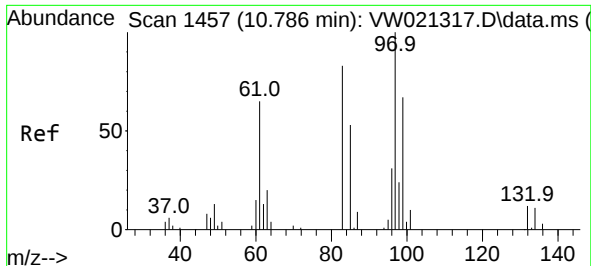
Tgt Ion: 91 Resp: 133351  
Ion Ratio Lower Upper  
91 100  
92 55.0 41.7 77.5



#44  
trans-1,3-Dichloropropene  
Concen: 27.601 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

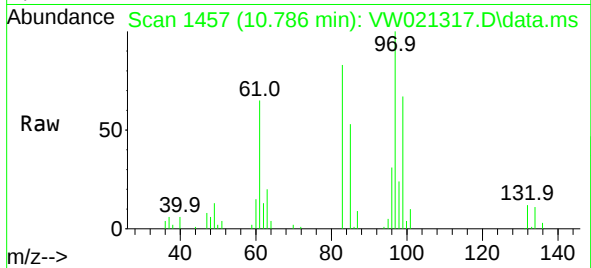
Tgt Ion: 75 Resp: 40459  
Ion Ratio Lower Upper  
75 100  
77 30.9 22.2 41.2



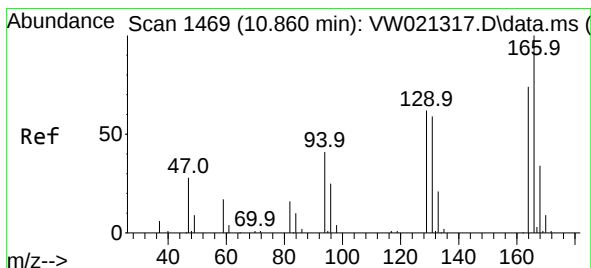
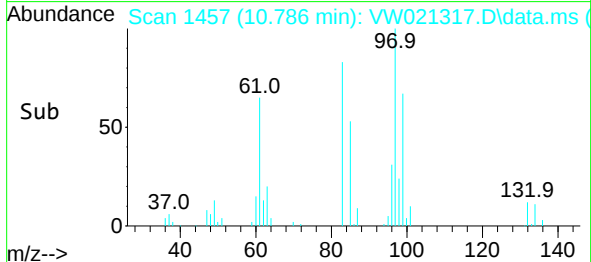
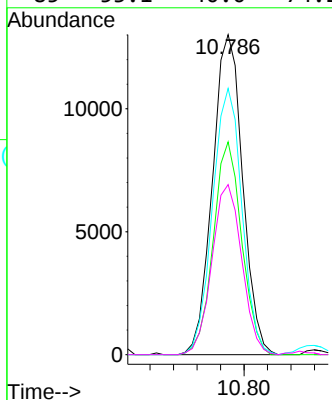


#45  
1,1,2-Trichloroethane  
Concen: 26.687 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

Instrument :  
MSVOA\_W  
ClientSampleId :

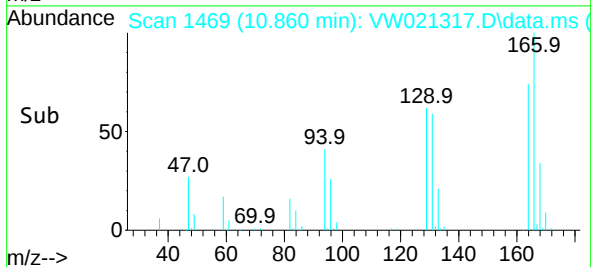
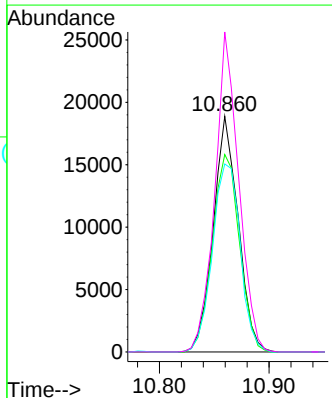
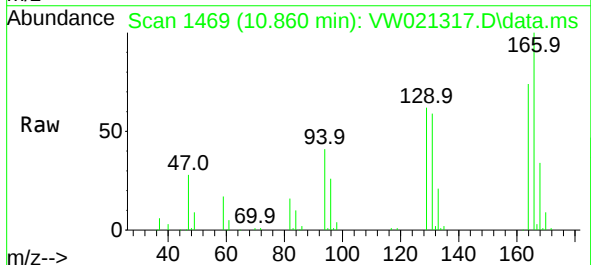


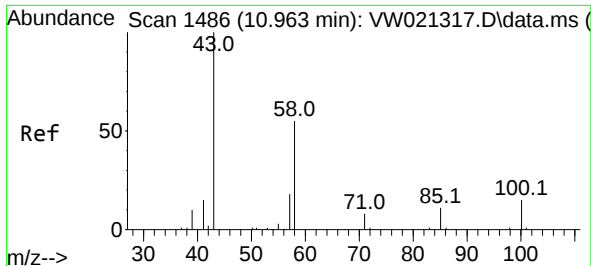
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 23190 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 66.5  | 43.0  | 79.8  |
| 83       | 83.2  | 62.6  | 116.3 |
| 85       | 53.1  | 40.0  | 74.2  |



#46  
Tetrachloroethene  
Concen: 23.592 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

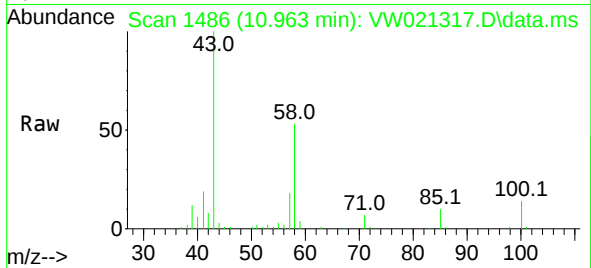
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 29944 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 83.7  | 65.5  | 121.7 |
| 131      | 79.8  | 59.7  | 110.9 |
| 166      | 135.7 | 88.7  | 164.7 |



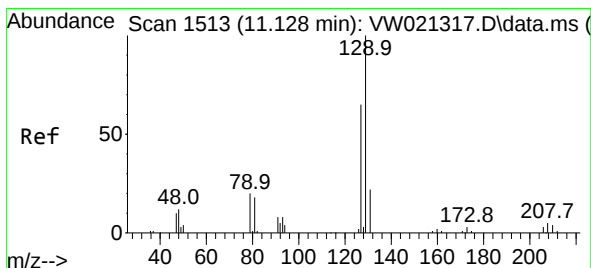
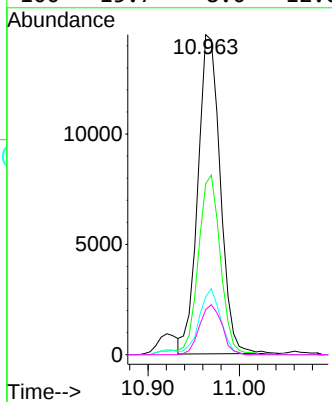
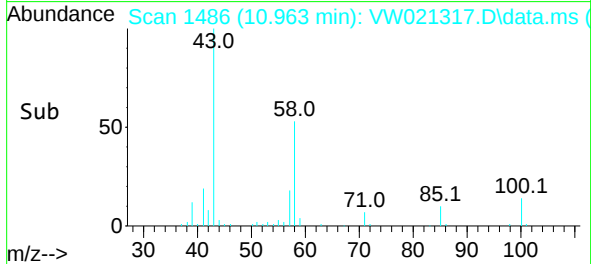


#48  
2-Hexanone  
Concen: 58.622 ug/L  
RT: 10.963 min Scan# 1486  
Delta R.T. -0.006 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

Instrument :  
MSVOA\_W  
ClientSampleId :

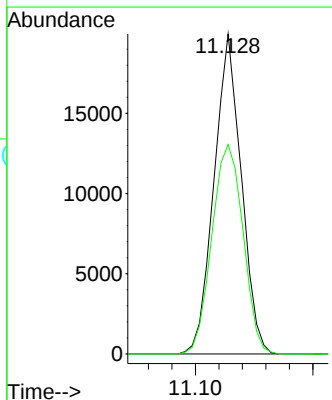
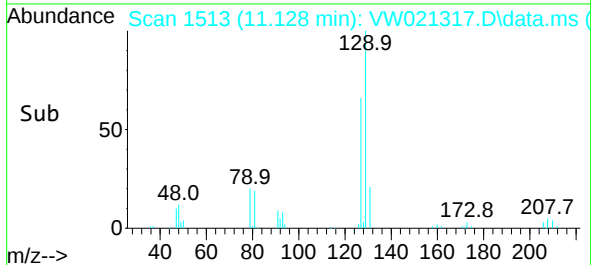
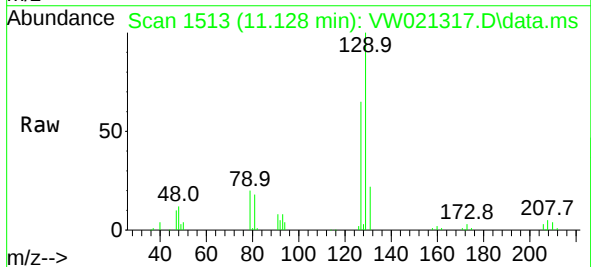


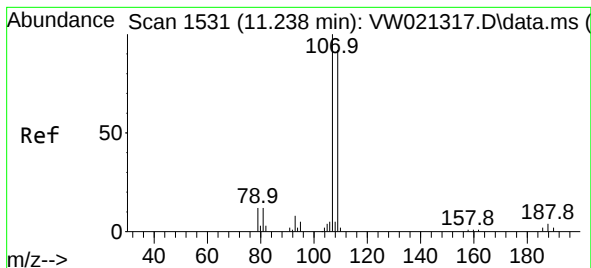
Tgt Ion: 43 Resp: 24592  
Ion Ratio Lower Upper  
43 100  
58 56.3 40.2 60.2  
57 19.9 14.3 21.5  
100 15.7 8.0 12.0#



#49  
Dibromochloromethane  
Concen: 30.053 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

Tgt Ion: 129 Resp: 32194  
Ion Ratio Lower Upper  
129 100  
127 65.5 55.7 103.5

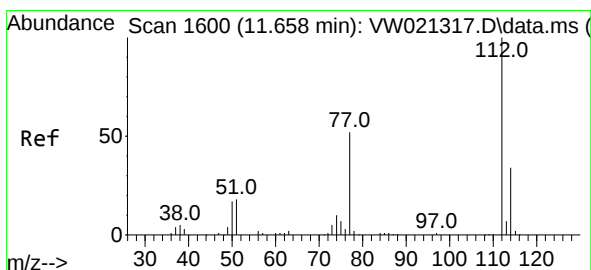
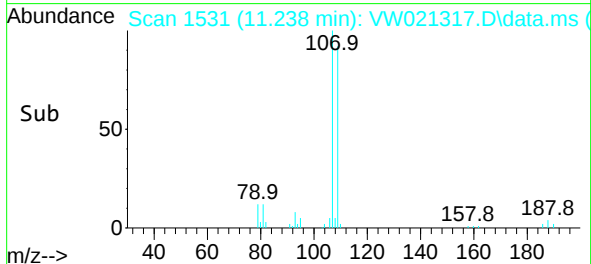
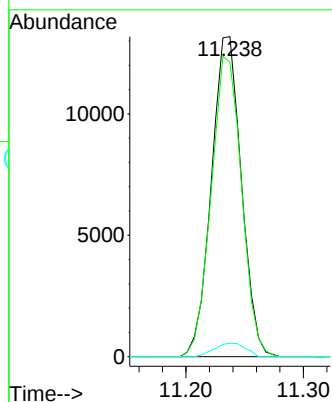
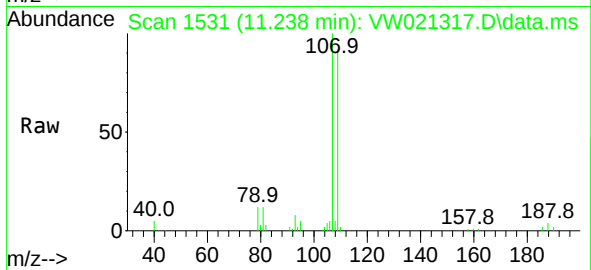




#50  
1,2-Dibromoethane  
Concen: 27.031 ug/L  
RT: 11.238 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

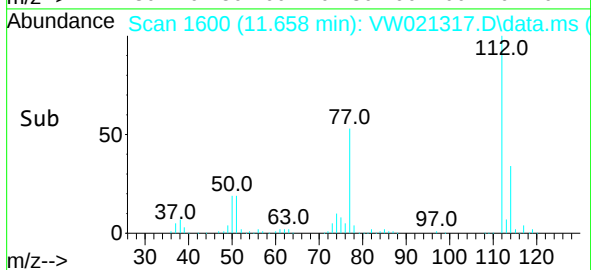
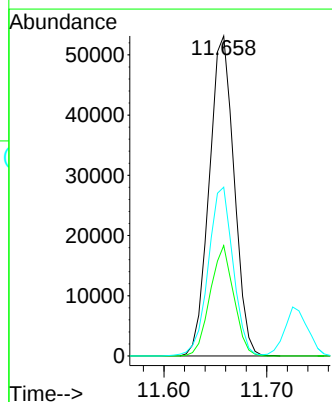
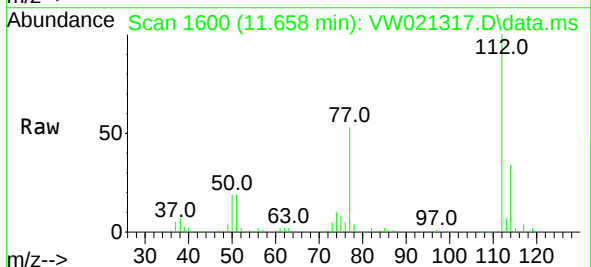
Instrument :  
MSVOA\_W  
ClientSampleId :

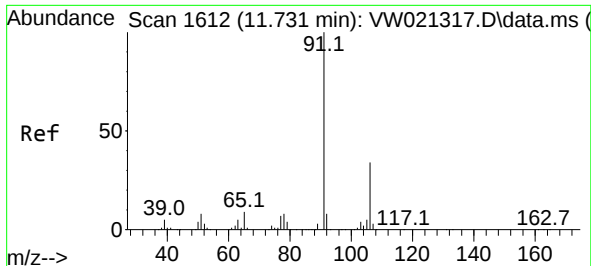
Tgt Ion:107 Resp: 23375  
Ion Ratio Lower Upper  
107 100  
109 92.0 64.1 119.1  
188 4.2 2.6 3.8#



#51  
Chlorobenzene  
Concen: 23.994 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

Tgt Ion:112 Resp: 89422  
Ion Ratio Lower Upper  
112 100  
114 34.5 22.4 41.6  
77 52.8 50.2 75.4

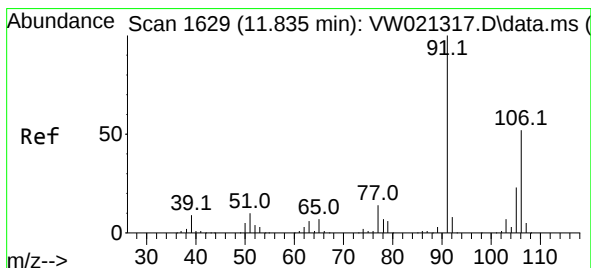
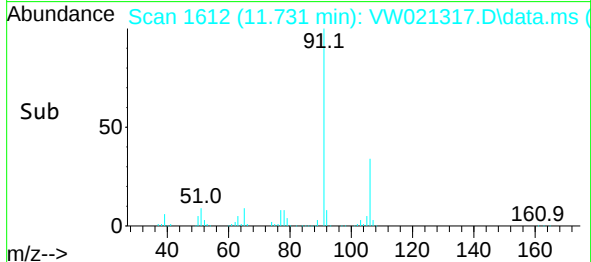
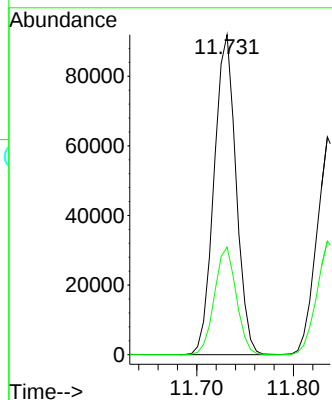
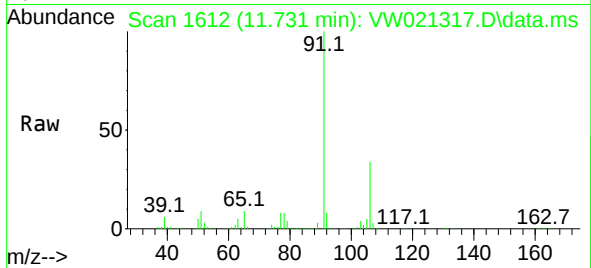




#52  
Ethylbenzene  
Concen: 22.825 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

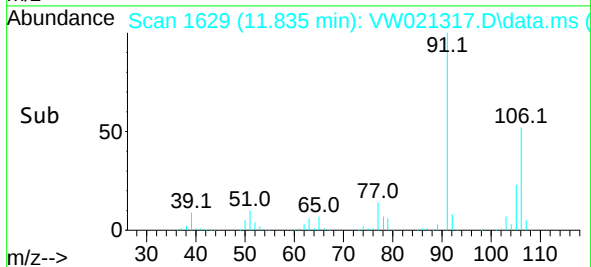
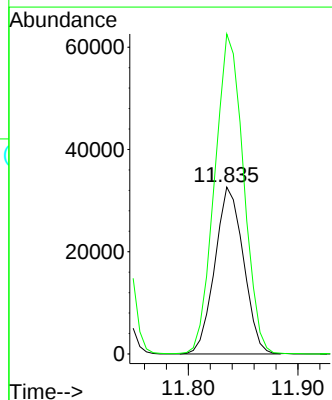
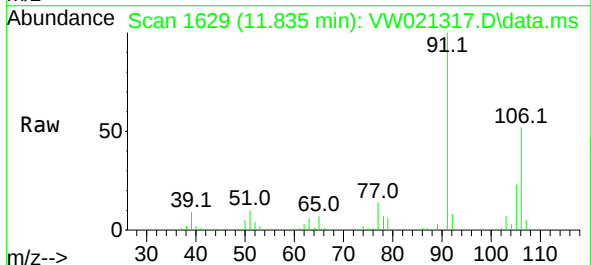
Instrument :  
MSVOA\_W  
ClientSampleId :

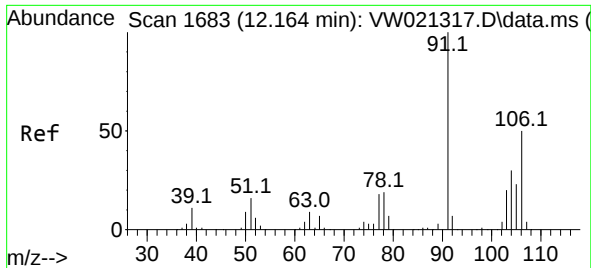
Tgt Ion: 91 Resp: 145194  
Ion Ratio Lower Upper  
91 100  
106 33.6 21.5 39.9



#53  
m,p-Xylene  
Concen: 23.058 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

Tgt Ion:106 Resp: 59172  
Ion Ratio Lower Upper  
106 100  
91 191.7 149.9 278.3

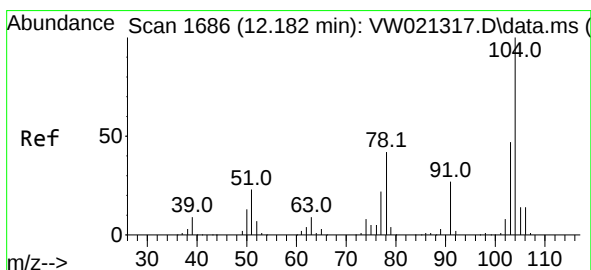
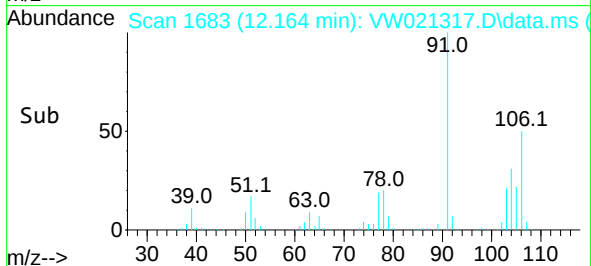
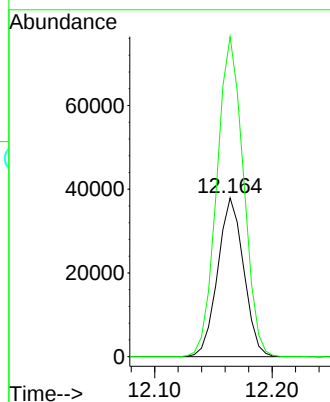
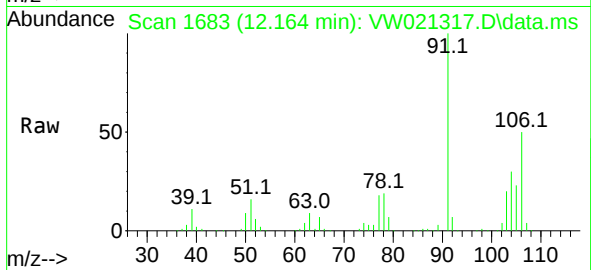




#54  
o-Xylene  
Concen: 23.934 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

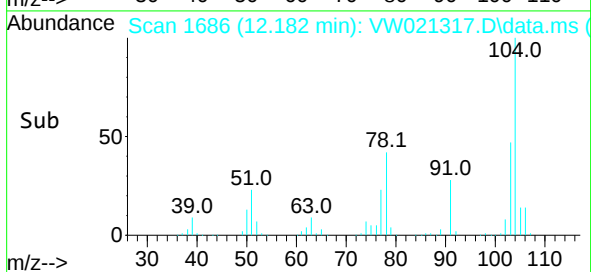
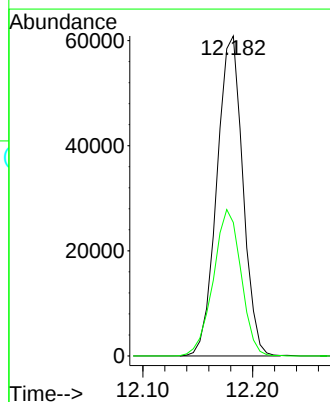
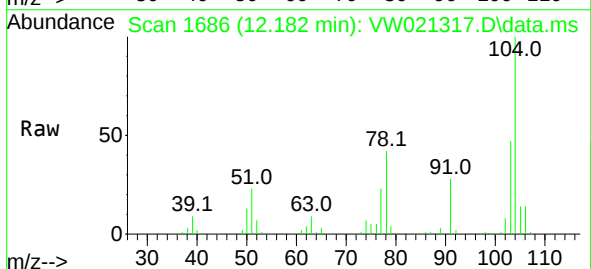
Instrument :  
MSVOA\_W  
ClientSampleId :

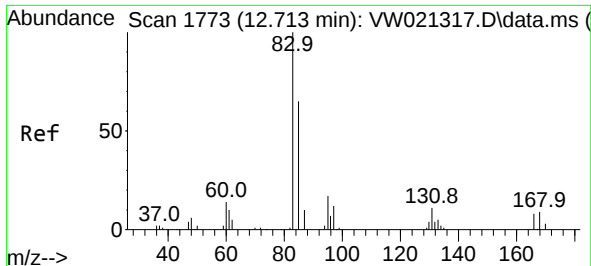
Tgt Ion:106 Resp: 58290  
Ion Ratio Lower Upper  
106 100  
91 201.7 153.6 285.3



#55  
Styrene  
Concen: 24.147 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

Tgt Ion:104 Resp: 100087  
Ion Ratio Lower Upper  
104 100  
78 41.7 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 27.775 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

Instrument :

MSVOA\_W

ClientSampleId :

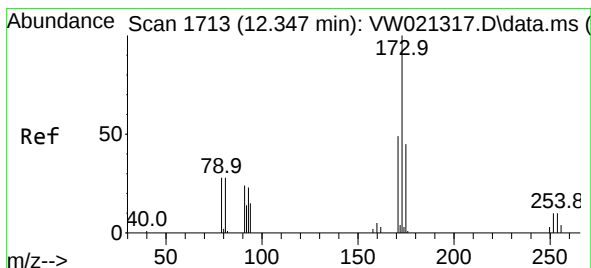
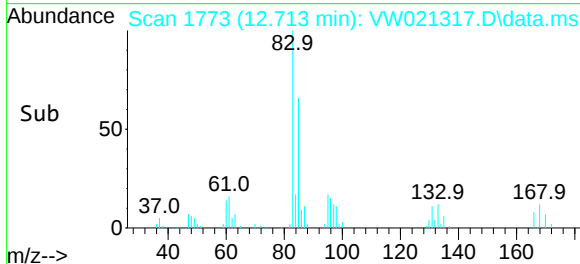
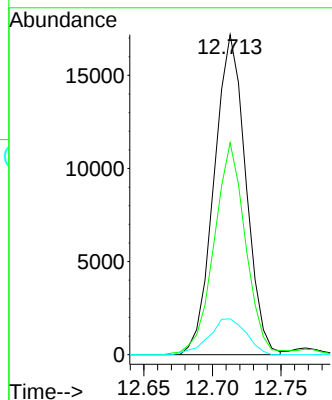
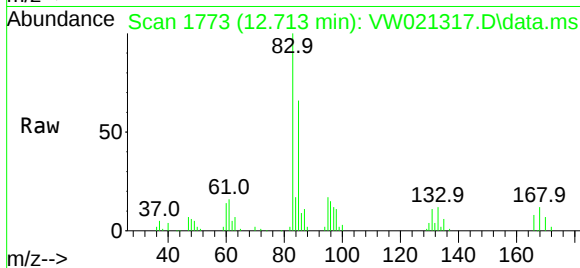
Tgt Ion: 83 Resp: 27667

Ion Ratio Lower Upper

83 100

85 66.2 44.0 81.6

131 11.2 6.9 10.3#



#59

Bromoform

Concen: 32.720 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.006 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

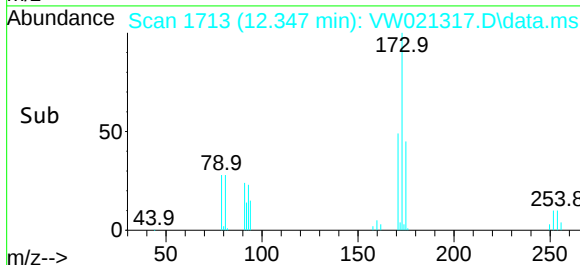
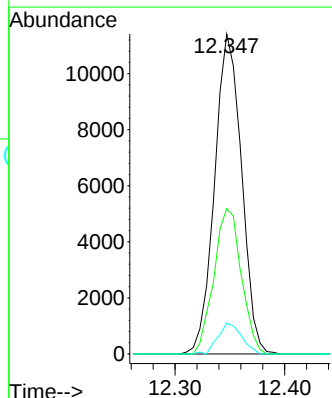
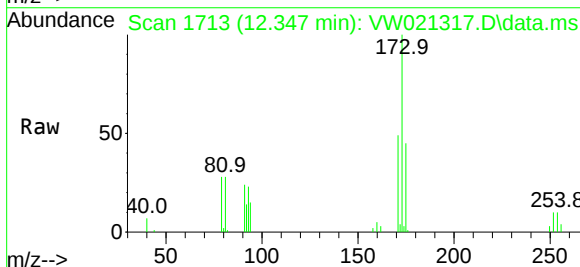
Tgt Ion:173 Resp: 19493

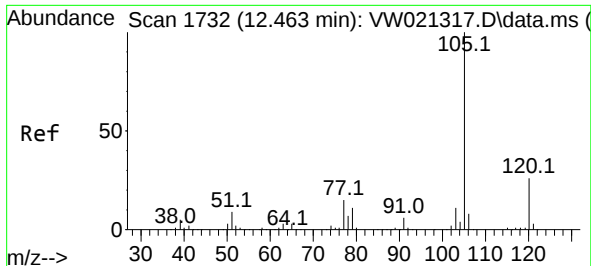
Ion Ratio Lower Upper

173 100

175 46.1 39.6 59.4

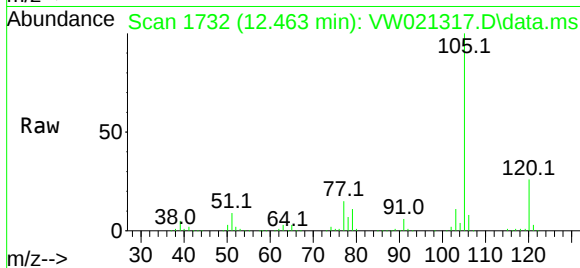
254 8.4 7.4 11.0



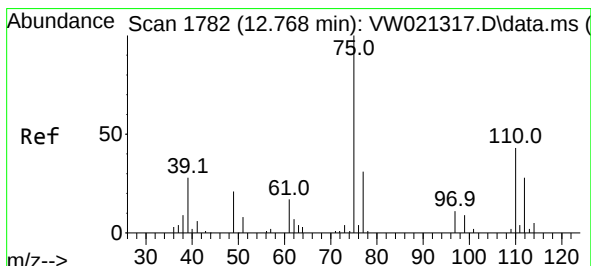
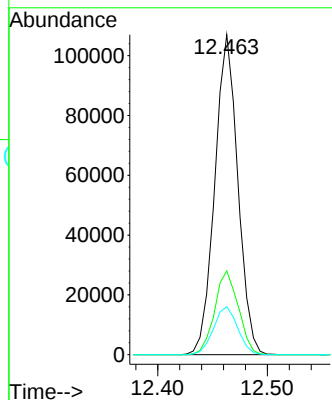
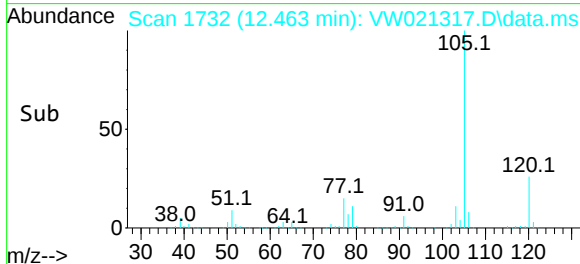


#60  
Isopropylbenzene  
Concen: 23.032 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

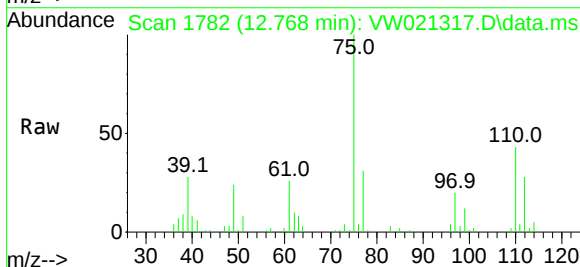
Instrument :  
MSVOA\_W  
ClientSampleId :



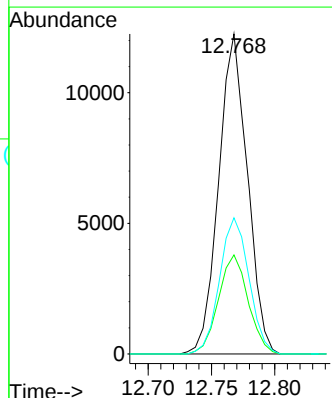
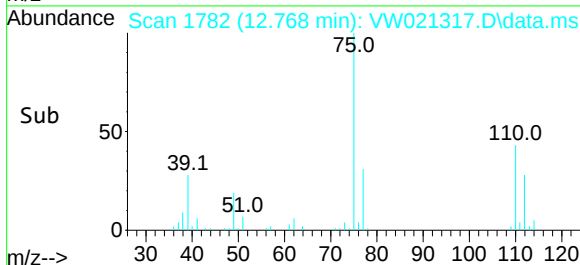
Tgt Ion:105 Resp: 156699  
Ion Ratio Lower Upper  
105 100  
120 26.9 20.1 30.1  
77 15.7 13.8 20.8

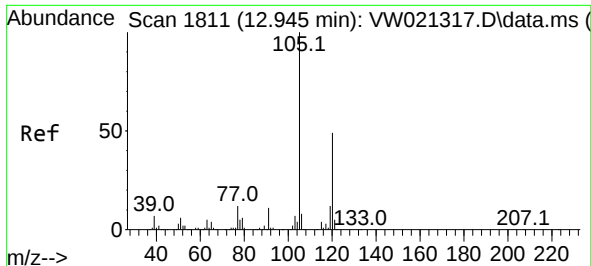


#61  
1,2,3-Trichloropropane  
Concen: 26.513 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23



Tgt Ion: 75 Resp: 19320  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.8 38.8  
110 43.5 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 22.930 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

Instrument :

MSVOA\_W

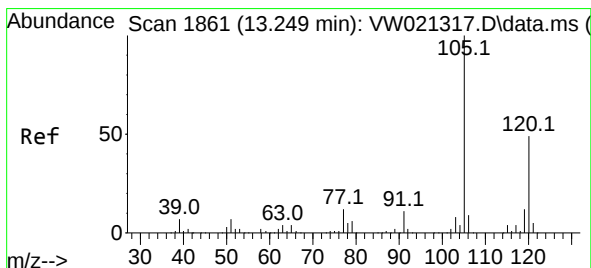
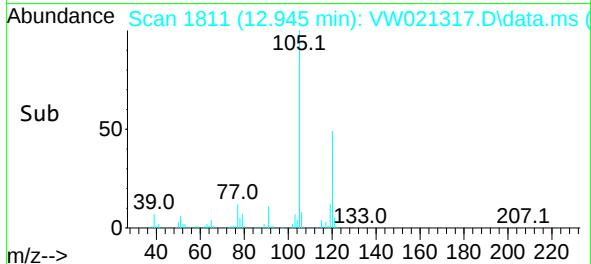
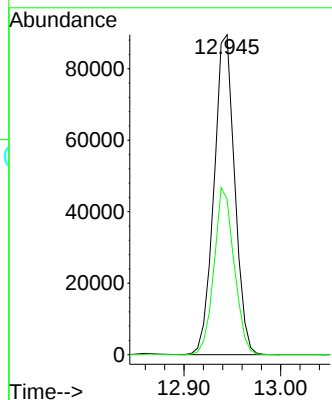
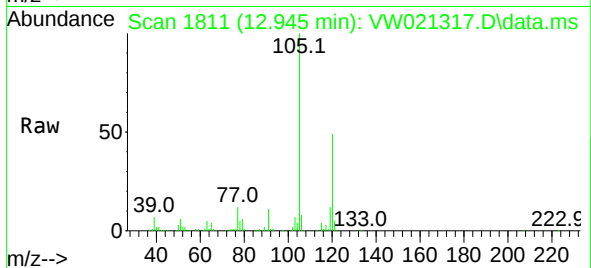
ClientSampleId :

Tgt Ion:105 Resp: 132754

Ion Ratio Lower Upper

105 100

120 50.7 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 23.716 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021317.D

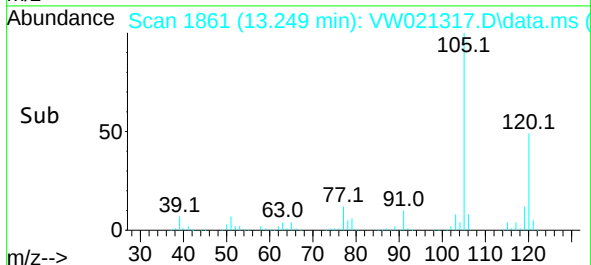
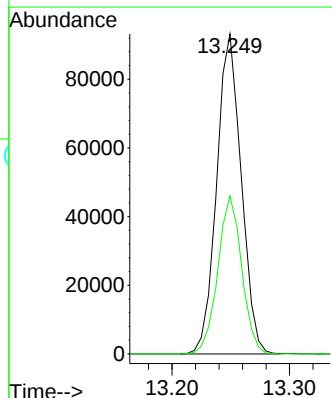
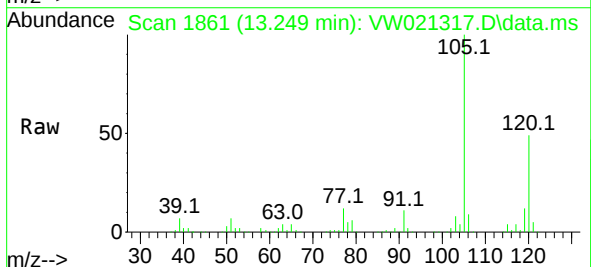
Acq: 11 Dec 2021 10:23

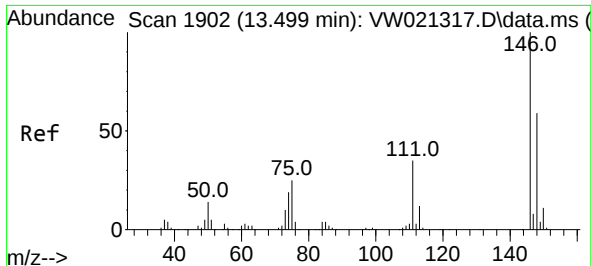
Tgt Ion:105 Resp: 135447

Ion Ratio Lower Upper

105 100

120 48.1 35.0 52.6

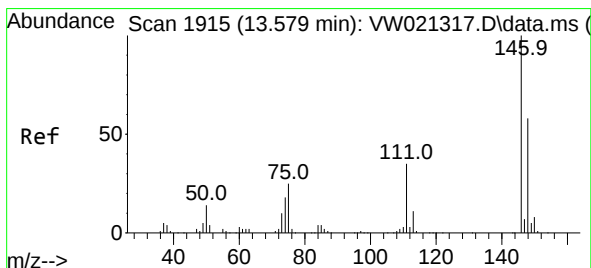
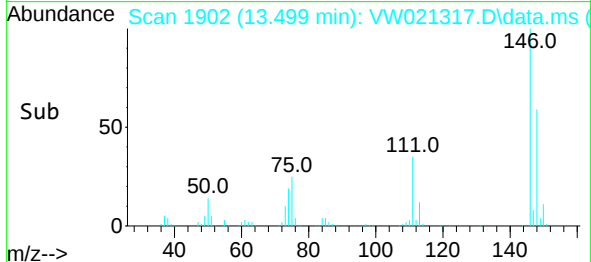
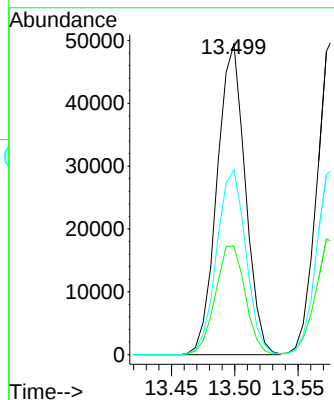
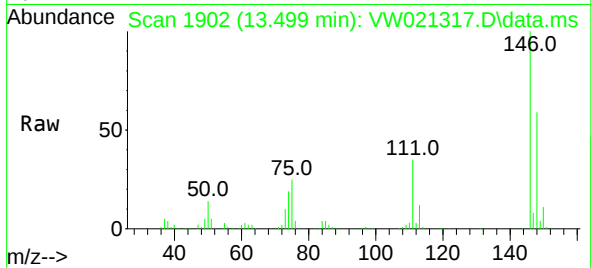




#64  
1,3-Dichlorobenzene  
Concen: 23.935 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

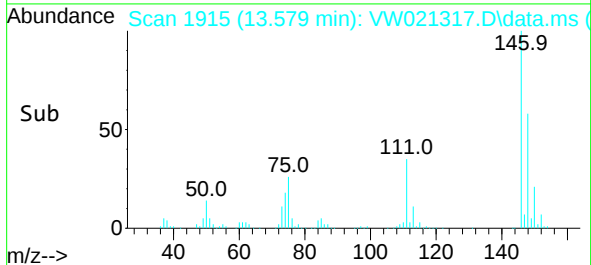
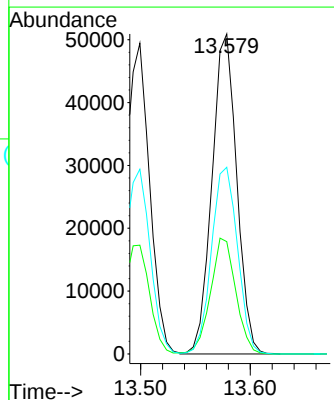
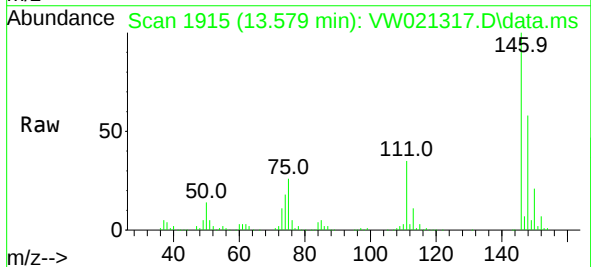
Instrument :  
MSVOA\_W  
ClientSampleId :

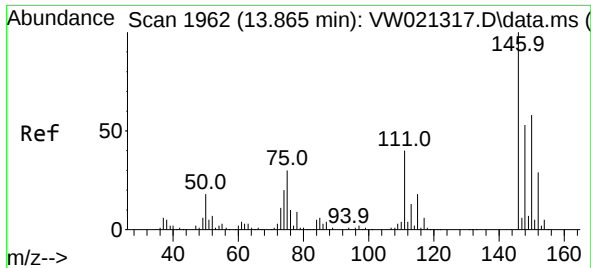
Tgt Ion:146 Resp: 76811  
Ion Ratio Lower Upper  
146 100  
111 35.0 29.8 55.3  
148 59.4 46.2 85.8



#65  
1,4-Dichlorobenzene  
Concen: 25.133 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW021317.D  
Acq: 11 Dec 2021 10:23

Tgt Ion:146 Resp: 80134  
Ion Ratio Lower Upper  
146 100  
111 35.1 29.0 53.9  
148 58.4 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 24.819 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

Instrument :

MSVOA\_W

ClientSampleId :

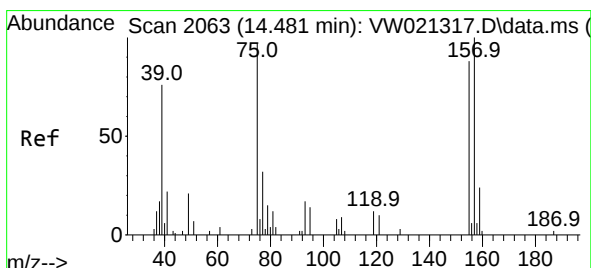
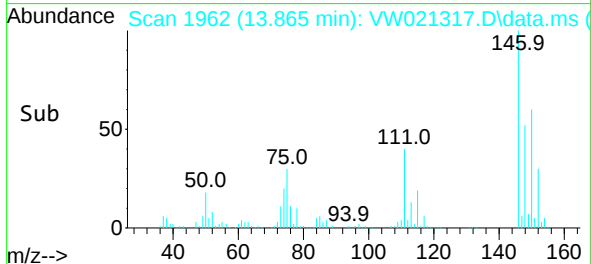
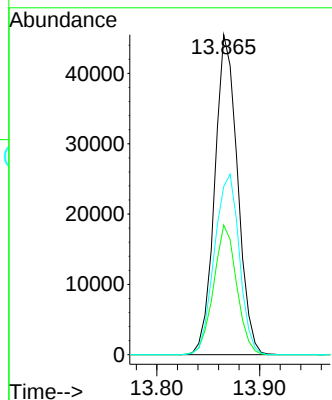
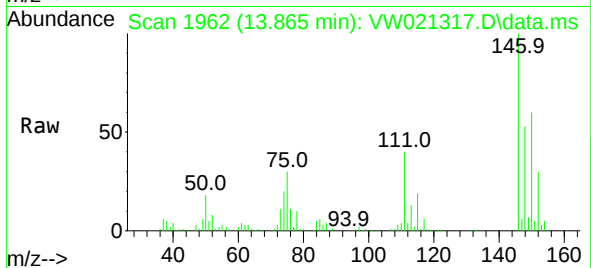
Tgt Ion:146 Resp: 70121

Ion Ratio Lower Upper

146 100

111 40.5 33.1 49.7

148 52.6 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 31.735 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

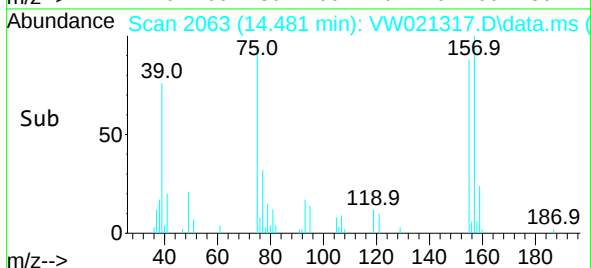
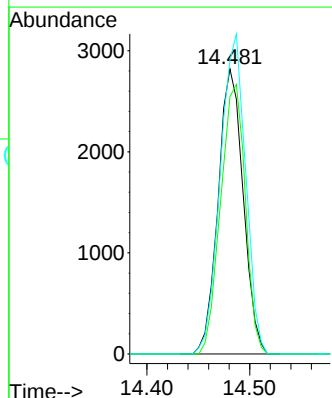
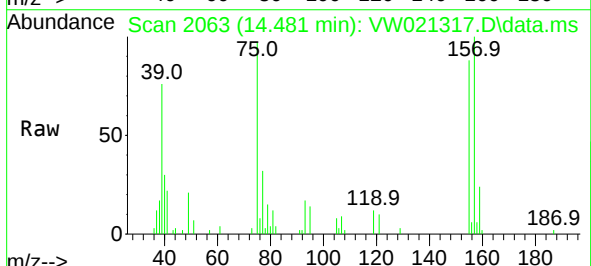
Tgt Ion: 75 Resp: 4770

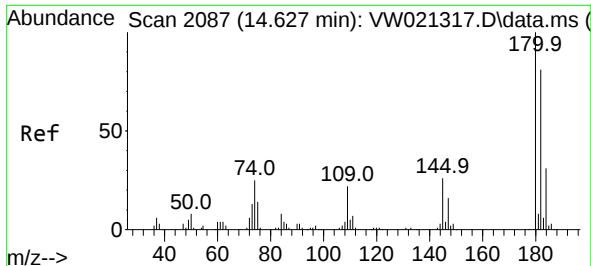
Ion Ratio Lower Upper

75 100

155 90.3 54.2 81.2#

157 103.1 69.4 104.2





#69

1,3,5-Trichlorobenzene

Concen: 22.948 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. -0.000 min

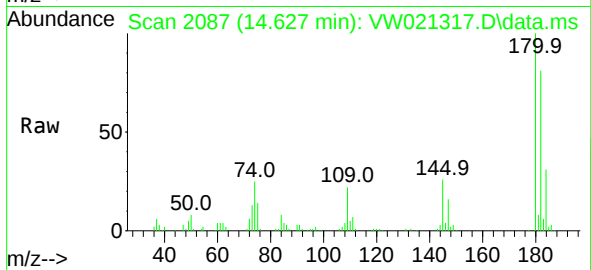
Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 55042

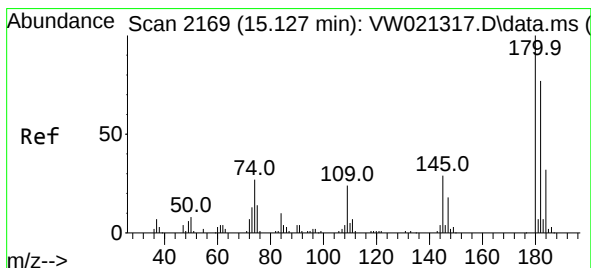
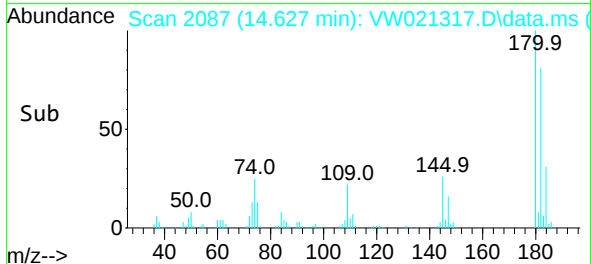
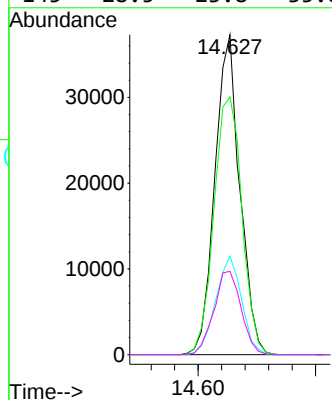
Ion Ratio Lower Upper

180 100

182 90.5 75.4 113.0

184 31.9 23.8 35.8

145 28.5 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 24.624 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

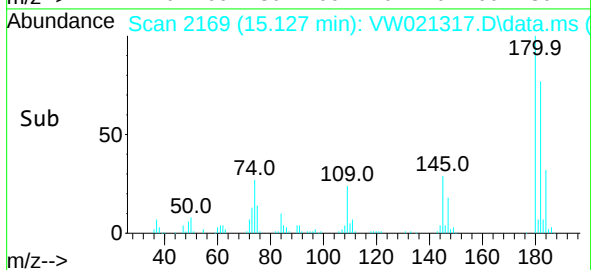
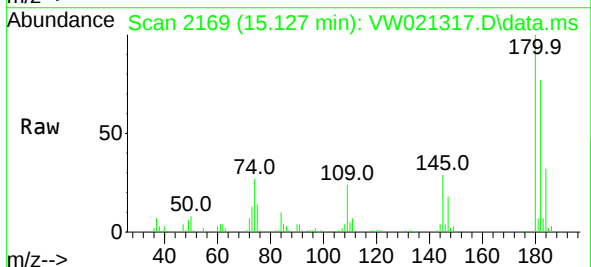
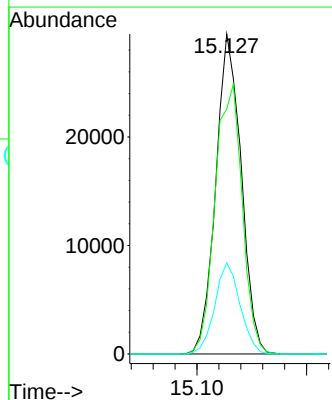
Tgt Ion:180 Resp: 47505

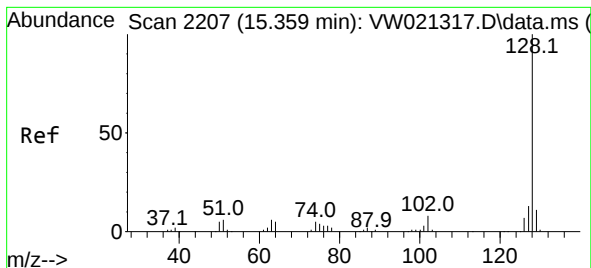
Ion Ratio Lower Upper

180 100

182 89.6 79.0 118.6

145 28.3 26.0 39.0





#71

Naphthalene

Concen: 26.354 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.006 min

Lab File: VW021317.D

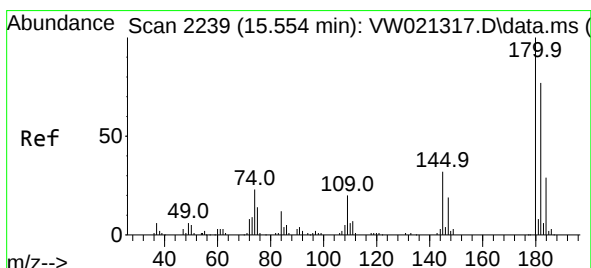
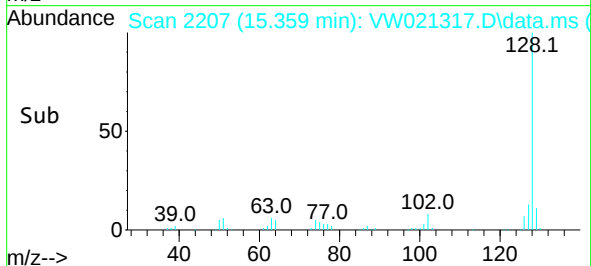
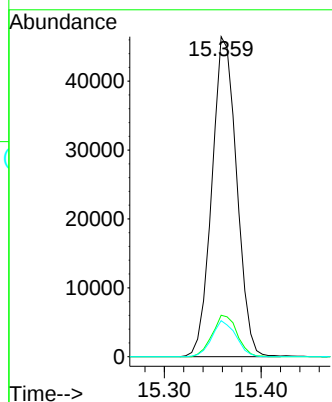
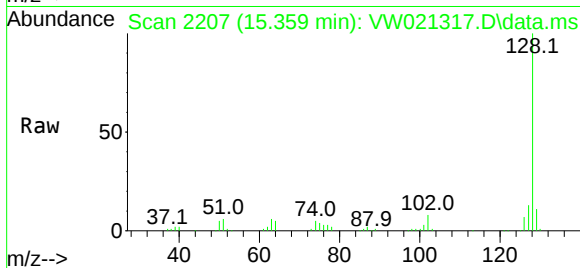
Acq: 11 Dec 2021 10:23

Instrument :

MSVOA\_W

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 82600 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.0  | 10.7  | 16.1  |
| 129       | 10.9  | 8.6   | 12.8  |



#72

1,2,3-Trichlorobenzene

Concen: 25.524 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW021317.D

Acq: 11 Dec 2021 10:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 40694 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.4  | 76.6  | 114.8 |
| 145       | 30.8  | 27.4  | 41.0  |

