

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW063022\  
 Data File : VW023538.D  
 Acq On : 30 Jun 2022 10:28  
 Operator : SY/VA  
 Sample : VSTD02535  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 01 05:30:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM063022SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 01 05:29:39 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114  | 360145   | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117  | 340236   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152  | 185956   | 25.000 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65   | 139711   | 27.161 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.879  | 69   | 99269    | 28.040 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63   | 163448   | 25.643 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 7.080  | 46   | 58637    | 43.845 | ug/L  | 0.00     |
| 24) Chloroform-d              | 7.653  | 84   | 242133   | 24.629 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65   | 131415   | 24.206 | ug/L  | 0.00     |
| 32) Benzene-d6                | 8.275  | 84   | 458704   | 24.936 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67   | 132622   | 24.385 | ug/L  | 0.00     |
| 41) Toluene-d8                | 10.323 | 98   | 445363   | 24.893 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79   | 59619    | 24.745 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 10.920 | 63   | 47904    | 46.434 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84   | 124561   | 23.854 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 158274   | 23.337 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007  | 85   | 32684    | 21.978 | ug/L  | 100      |
| 3) Chloromethane              | 2.215  | 50   | 95675    | 22.209 | ug/L  | 100      |
| 5) Vinyl chloride             | 2.361  | 62   | 152052   | 26.208 | ug/L  | 100      |
| 6) Bromomethane               | 2.769  | 94   | 93063    | 24.318 | ug/L  | 100      |
| 8) Chloroethane               | 2.916  | 64   | 72763    | 26.820 | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 3.239  | 101  | 54278    | 20.195 | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101  | 101900   | 23.422 | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 4.038  | 96   | 88326    | 24.353 | ug/L  | 100      |
| 13) Acetone                   | 4.129  | 43   | 35322    | 41.479 | ug/L  | 100      |
| 14) Carbon disulfide          | 4.385  | 76   | 255725   | 26.196 | ug/L  | 100      |
| 15) Methyl Acetate            | 4.672  | 43   | 44240    | 21.137 | ug/L  | 100      |
| 16) Methylene chloride        | 4.915  | 84   | 101241   | 19.707 | ug/L  | 100      |
| 17) trans-1,2-Dichloroethene  | 5.421  | 96   | 107656   | 23.570 | ug/L  | 100      |
| 18) Methyl tert-butyl Ether   | 5.428  | 73   | 155318   | 23.187 | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 6.214  | 63   | 189323   | 23.502 | ug/L  | 100      |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96   | 117683   | 23.640 | ug/L  | 100      |
| 22) 2-Butanone                | 7.171  | 43   | 57680    | 39.700 | ug/L  | 100      |
| 23) Bromochloromethane        | 7.519  | 128  | 54937    | 22.299 | ug/L  | 100      |
| 25) Chloroform                | 7.677  | 83   | 209221   | 23.267 | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 138740   | 23.325 | ug/L  | 100      |
| 29) Cyclohexane               | 7.958  | 56   | 157583   | 24.509 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 172476   | 23.373 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.067  | 117  | 156306   | 23.431 | ug/L  | 100      |
| 33) Benzene                   | 8.323  | 78   | 453244   | 23.679 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 119511   | 23.303 | ug/L  | 100      |
| 35) Methylcyclohexane         | 9.335  | 83   | 198745   | 24.629 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 108756   | 23.490 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.640  | 83   | 154266   | 23.272 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 168338   | 23.480 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 136243   | 44.899 | ug/L  | 100      |
| 42) Toluene                   | 10.384 | 91   | 513130   | 24.237 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 156990   | 23.692 | ug/L  | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW063022\  
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 Sample : VSTD02535  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 01 05:30:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM063022SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 01 05:29:39 2022  
 Response via : Initial Calibration

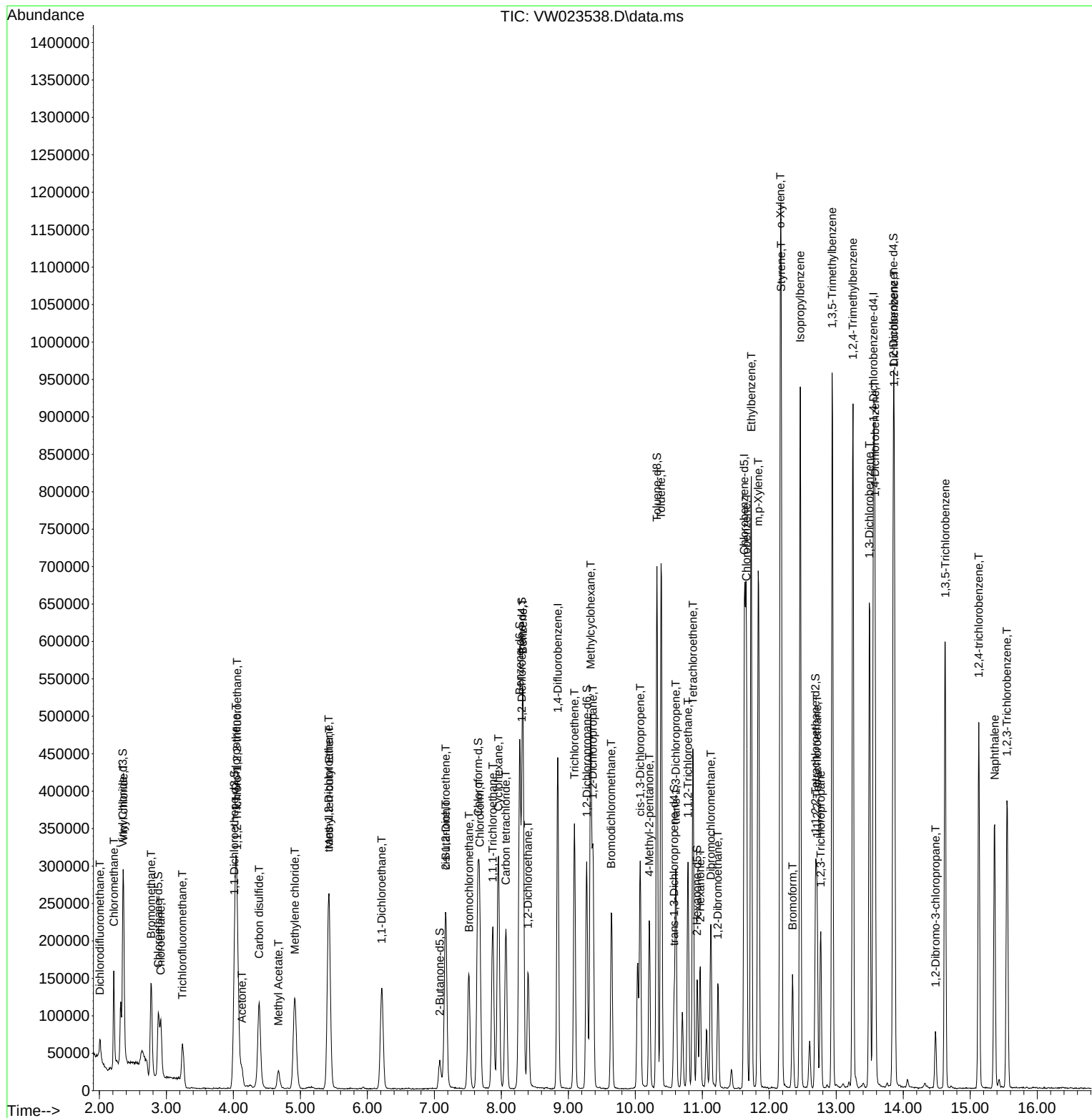
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 90688    | 23.036 | ug/L  | 100      |
| 46) Tetrachloroethene         | 10.860 | 164  | 95223    | 23.087 | ug/L  | 100      |
| 48) 2-Hexanone                | 10.969 | 43   | 97649    | 46.852 | ug/L  | 100      |
| 49) Dibromochloromethane      | 11.128 | 129  | 110448   | 22.960 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 88991    | 22.686 | ug/L  | 100      |
| 51) Chlorobenzene             | 11.658 | 112  | 333495   | 23.020 | ug/L  | 100      |
| 52) Ethylbenzene              | 11.731 | 91   | 565962   | 23.966 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.835 | 106  | 223082   | 24.027 | ug/L  | 100      |
| 54) o-Xylene                  | 12.164 | 106  | 211809   | 24.153 | ug/L  | 100      |
| 55) Styrene                   | 12.176 | 104  | 373492   | 24.369 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 113922   | 22.501 | ug/L  | 100      |
| 59) Bromoform                 | 12.347 | 173  | 62326    | 22.590 | ug/L  | 100      |
| 60) Isopropylbenzene          | 12.463 | 105  | 581537   | 23.706 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 81624    | 21.791 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 485253   | 23.809 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 488881   | 23.903 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 264662   | 22.448 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 269011   | 22.498 | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 243340   | 22.775 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 17920    | 20.919 | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 176098   | 22.370 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 140033   | 22.043 | ug/L  | 100      |
| 71) Naphthalene               | 15.365 | 128  | 297270   | 22.554 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 123422   | 21.287 | ug/L  | 100      |

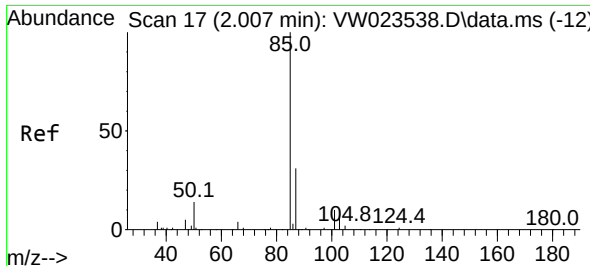
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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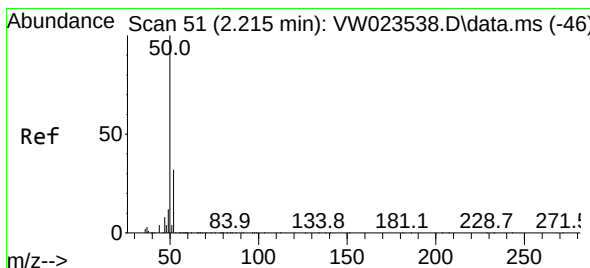
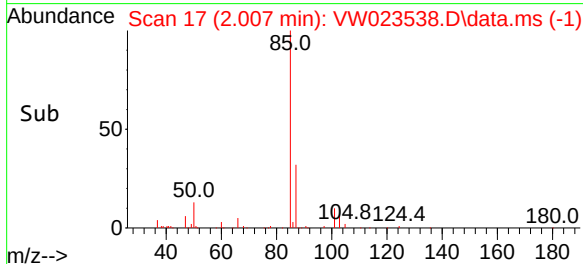
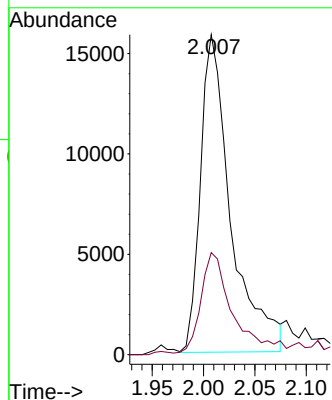
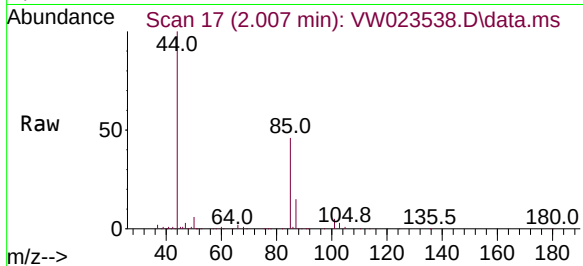




#2  
 Dichlorodifluoromethane  
 Concen: 21.978 ug/L  
 RT: 2.007 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VW023538.D  
 Acq: 30 Jun 2022 10:28

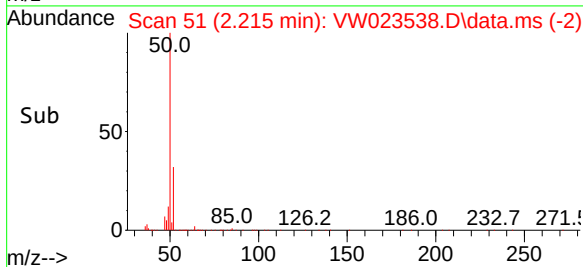
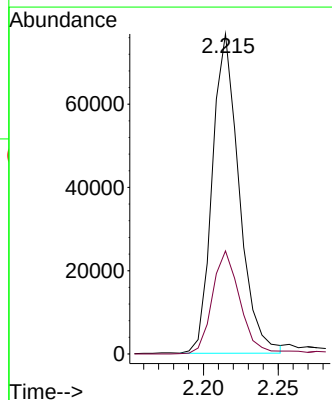
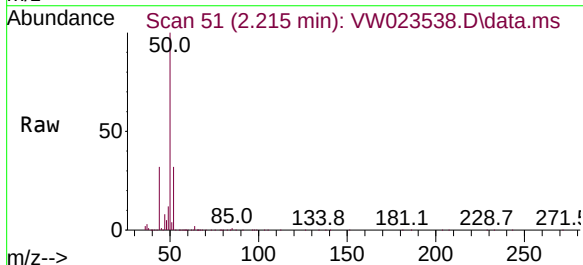
Instrument :  
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 ClientSampleId :

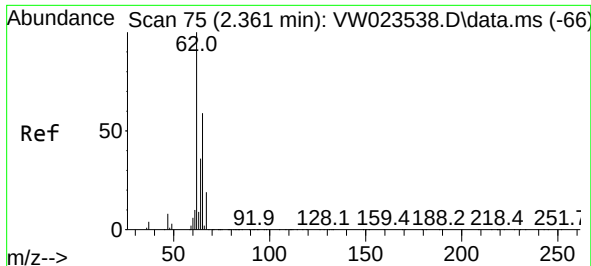
Tgt Ion: 85 Resp: 32684  
 Ion Ratio Lower Upper  
 85 100  
 87 32.5 26.0 39.0



#3  
 Chloromethane  
 Concen: 22.209 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VW023538.D  
 Acq: 30 Jun 2022 10:28

Tgt Ion: 50 Resp: 95675  
 Ion Ratio Lower Upper  
 50 100  
 52 32.2 22.5 41.9

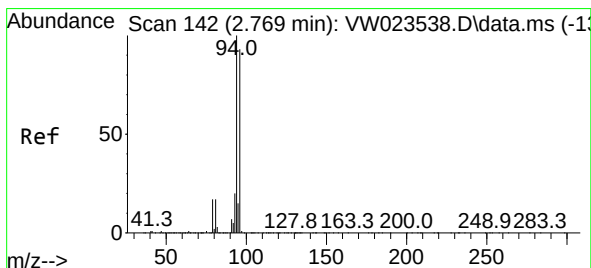
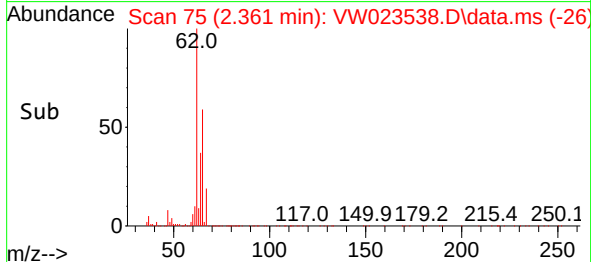
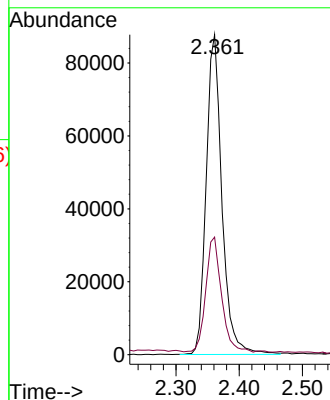
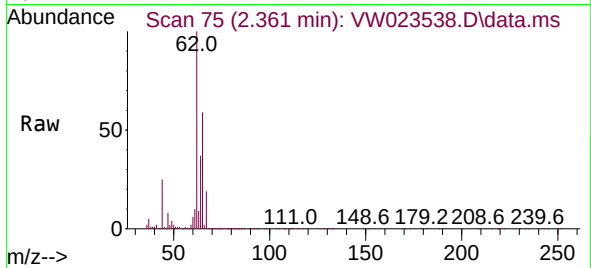




#5  
 Vinyl chloride  
 Concen: 26.208 ug/L  
 RT: 2.361 min Scan# 75  
 Delta R.T. 0.000 min  
 Lab File: VW023538.D  
 Acq: 30 Jun 2022 10:28

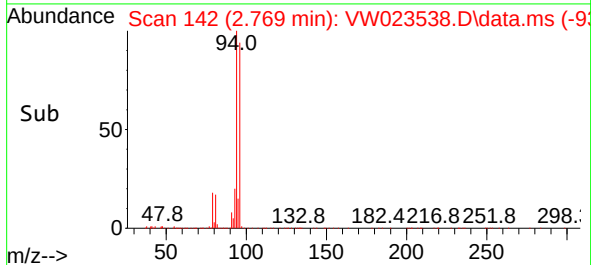
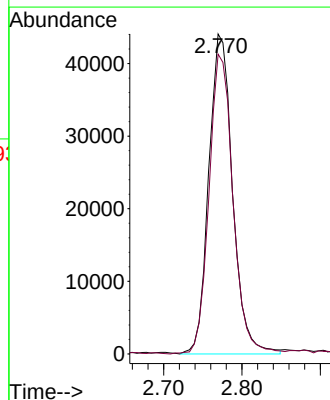
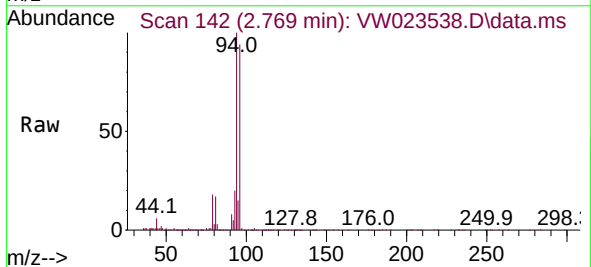
Instrument :  
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 ClientSampleId :

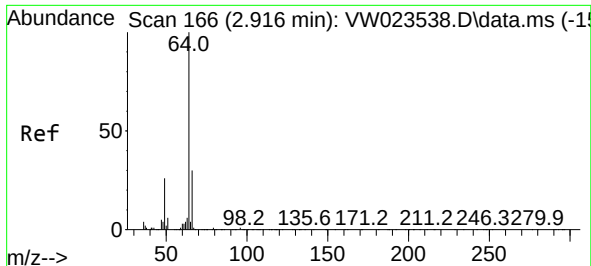
Tgt Ion: 62 Resp: 152052  
 Ion Ratio Lower Upper  
 62 100  
 64 36.8 25.8 47.8



#6  
 Bromomethane  
 Concen: 24.318 ug/L  
 RT: 2.769 min Scan# 142  
 Delta R.T. 0.000 min  
 Lab File: VW023538.D  
 Acq: 30 Jun 2022 10:28

Tgt Ion: 94 Resp: 93063  
 Ion Ratio Lower Upper  
 94 100  
 96 93.7 65.6 121.8

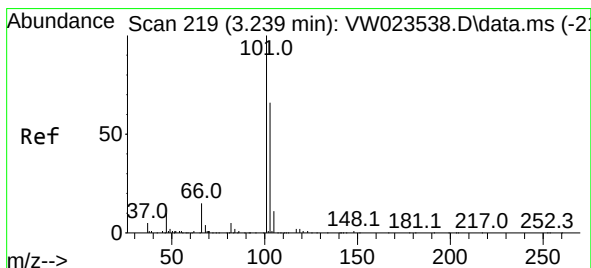
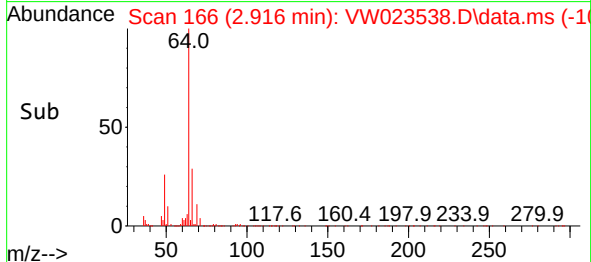
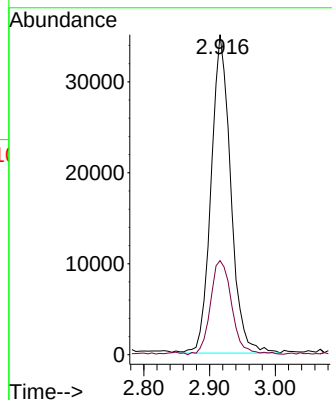
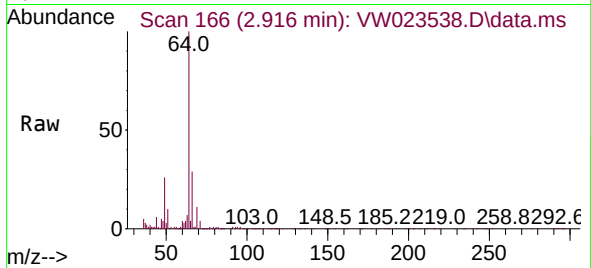




#8  
Chloroethane  
Concen: 26.820 ug/L  
RT: 2.916 min Scan# 166  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

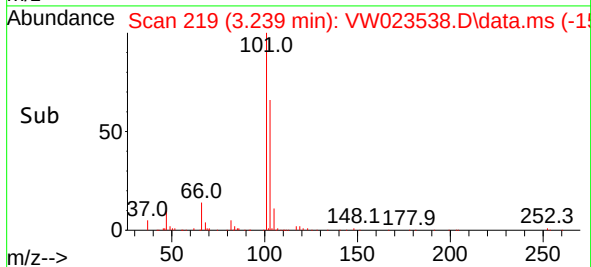
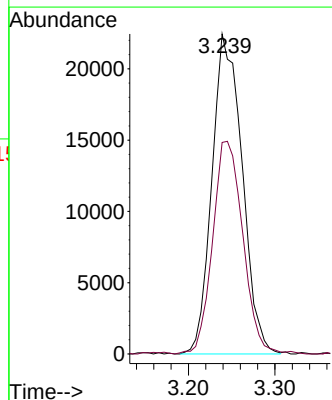
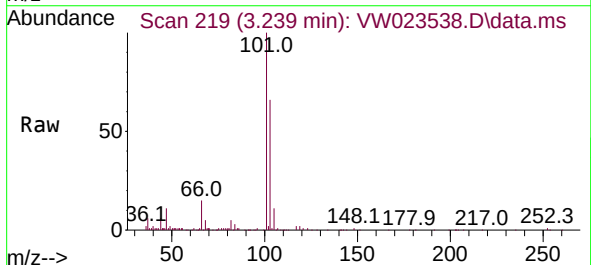
Instrument :  
MSVOA\_W  
ClientSampleId :

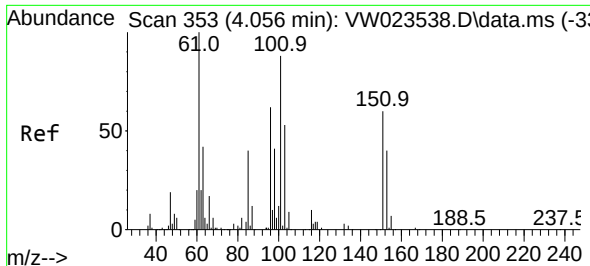
Tgt Ion: 64 Resp: 72763  
Ion Ratio Lower Upper  
64 100  
66 29.4 20.6 38.2



#9  
Trichlorofluoromethane  
Concen: 20.195 ug/L  
RT: 3.239 min Scan# 219  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Tgt Ion: 101 Resp: 54278  
Ion Ratio Lower Upper  
101 100  
103 66.5 53.2 79.8

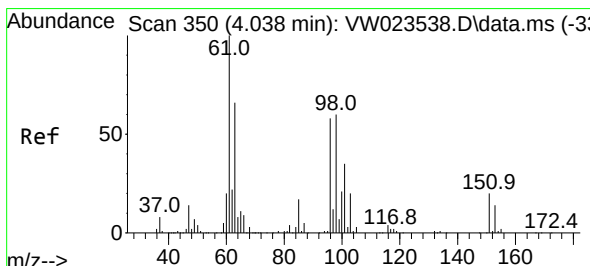
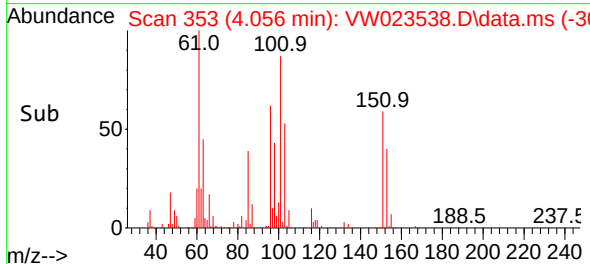
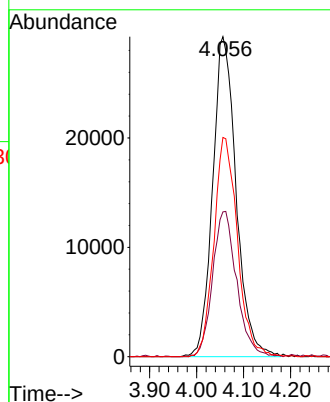
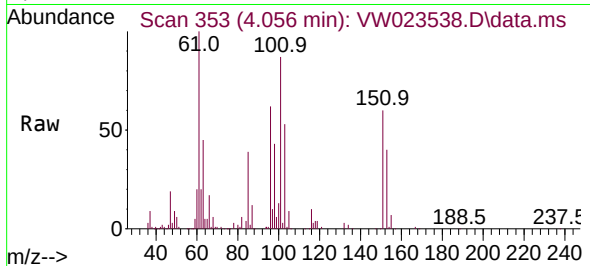




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 23.422 ug/L  
 RT: 4.056 min Scan# 353  
 Delta R.T. 0.000 min  
 Lab File: VW023538.D  
 Acq: 30 Jun 2022 10:28

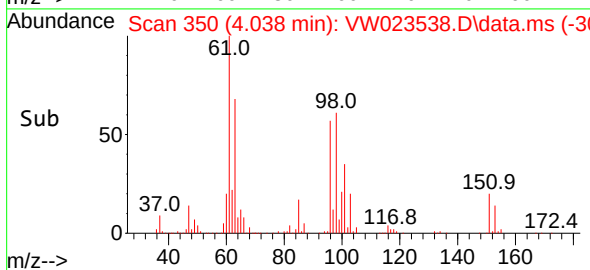
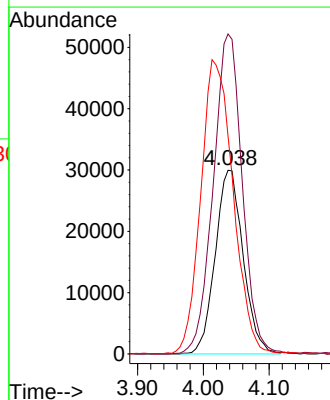
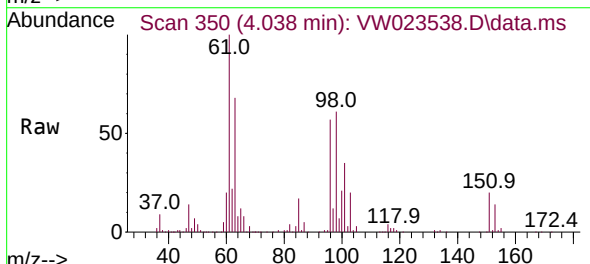
Instrument :  
 MSVOA\_W  
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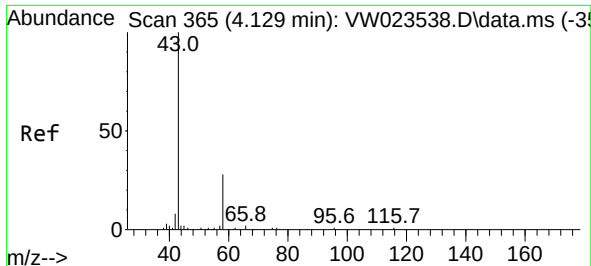
Tgt Ion:101 Resp: 101900  
 Ion Ratio Lower Upper  
 101 100  
 85 46.2 37.0 55.4  
 151 68.2 54.6 81.8



#12  
 1,1-Dichloroethene  
 Concen: 24.353 ug/L  
 RT: 4.038 min Scan# 350  
 Delta R.T. 0.000 min  
 Lab File: VW023538.D  
 Acq: 30 Jun 2022 10:28

Tgt Ion: 96 Resp: 88326  
 Ion Ratio Lower Upper  
 96 100  
 61 174.3 122.0 226.6  
 63 118.6 83.0 154.2

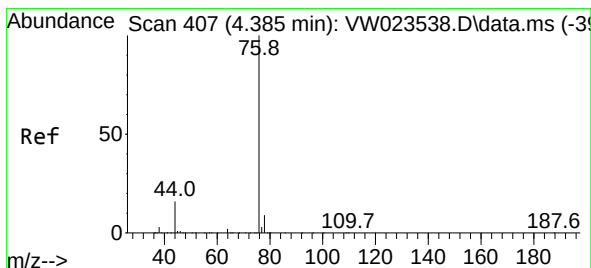
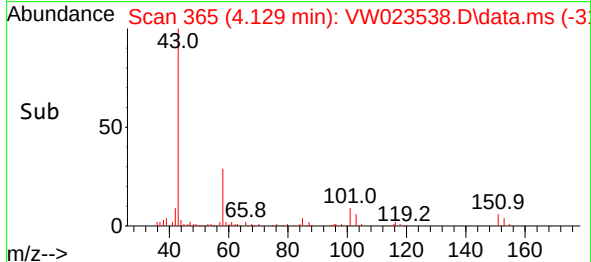
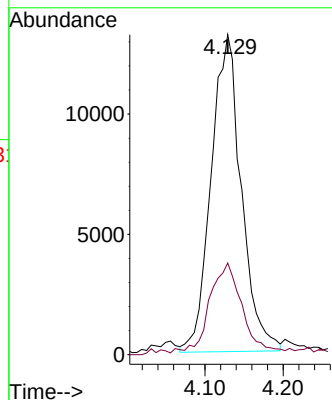
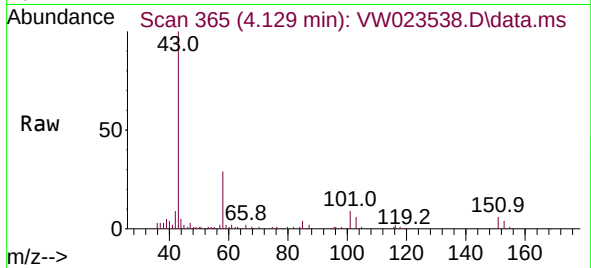




#13  
Acetone  
Concen: 41.479 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

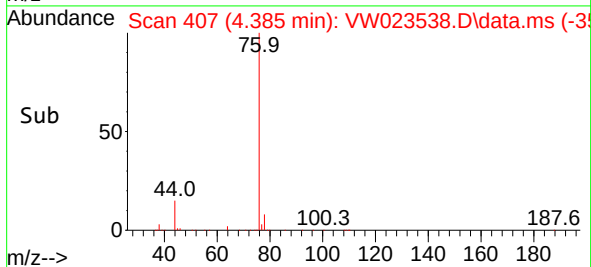
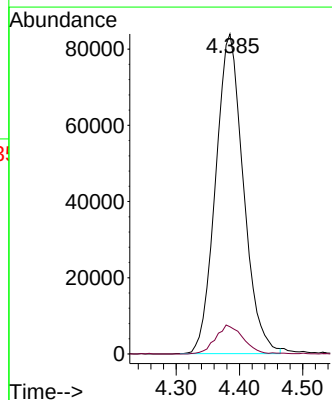
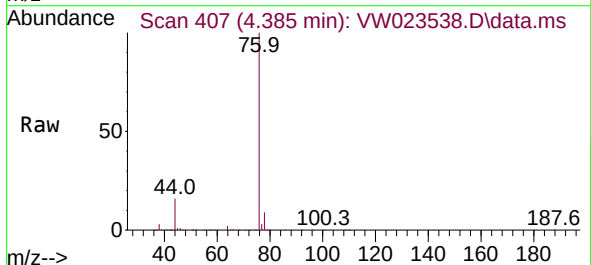
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 35322  
Ion Ratio Lower Upper  
43 100  
58 30.6 0.0 61.2

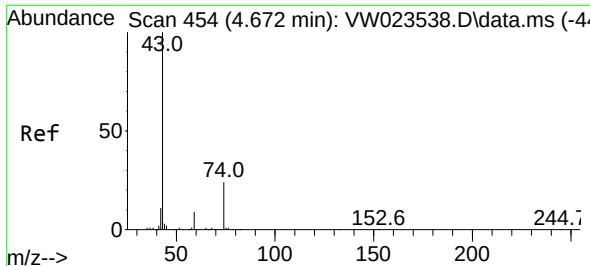


#14  
Carbon disulfide  
Concen: 26.196 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Tgt Ion: 76 Resp: 255725  
Ion Ratio Lower Upper  
76 100  
78 8.5 6.8 10.2



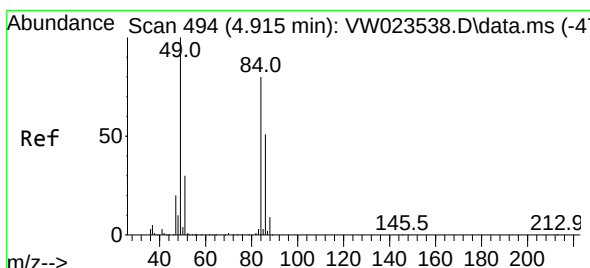
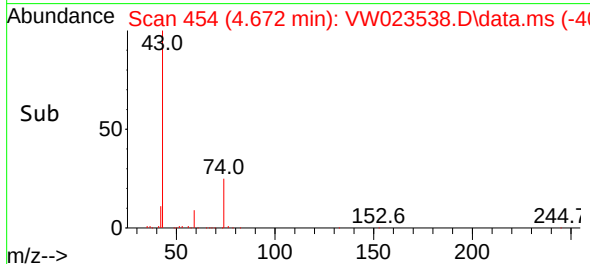
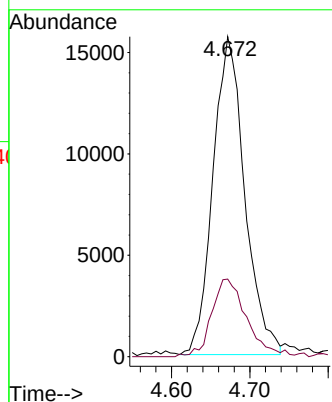
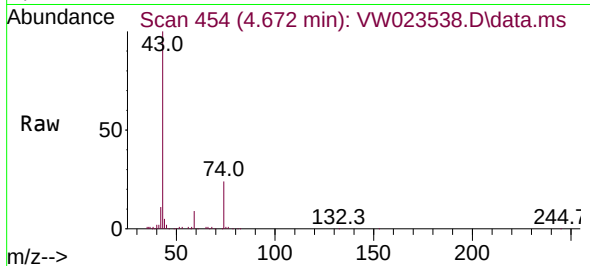




#15  
Methyl Acetate  
Concen: 21.137 ug/L  
RT: 4.672 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

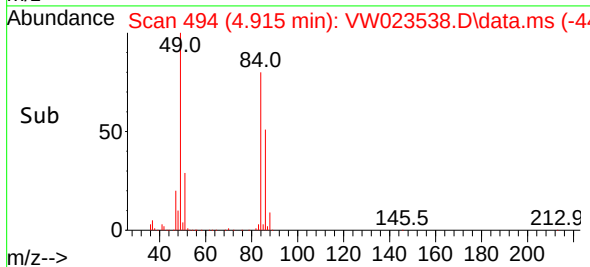
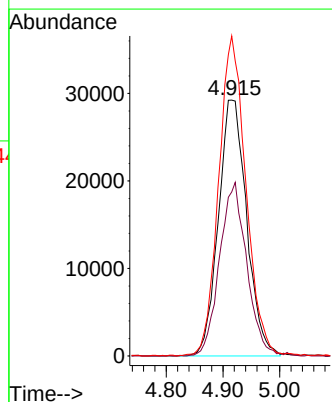
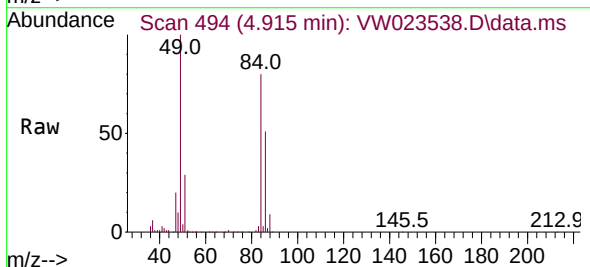
Instrument :  
MSVOA\_W  
ClientSampleId :

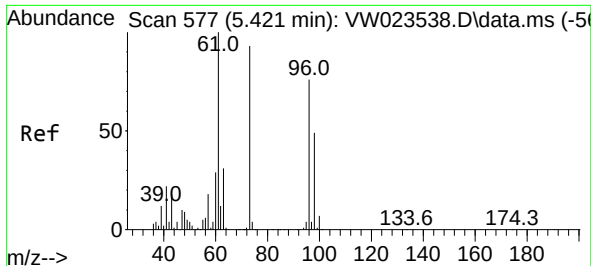
Tgt Ion: 43 Resp: 44240  
Ion Ratio Lower Upper  
43 100  
74 25.5 20.4 30.6



#16  
Methylene chloride  
Concen: 19.707 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Tgt Ion: 84 Resp: 101241  
Ion Ratio Lower Upper  
84 100  
86 64.1 44.9 83.3  
49 125.1 87.6 162.6

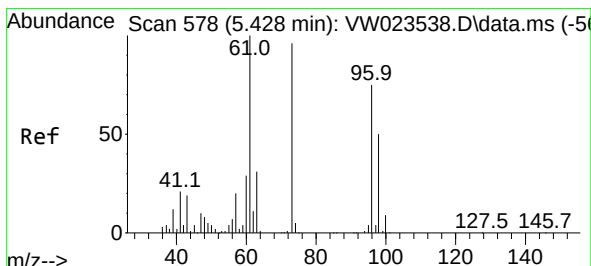
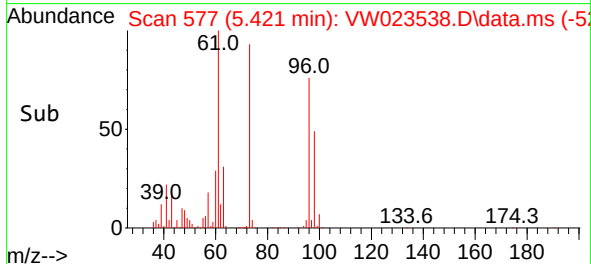
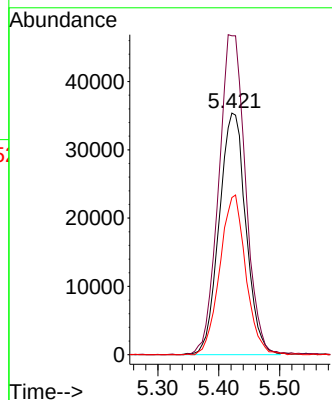
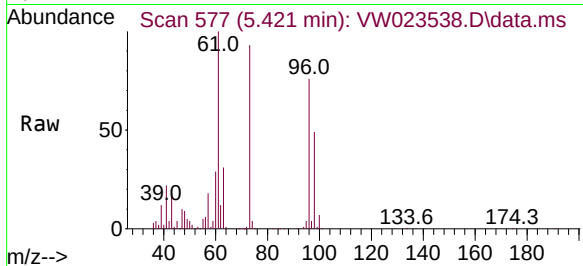




#17  
trans-1,2-Dichloroethene  
Concen: 23.570 ug/L  
RT: 5.421 min Scan# 577  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

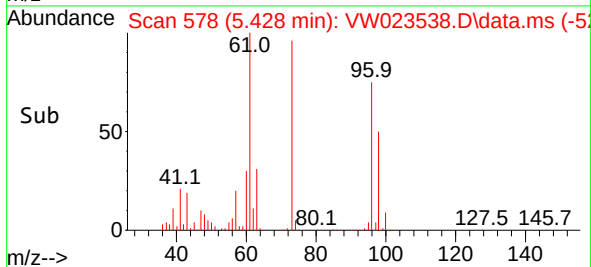
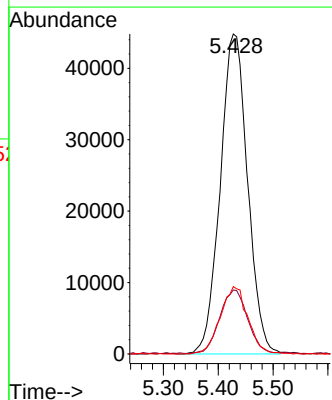
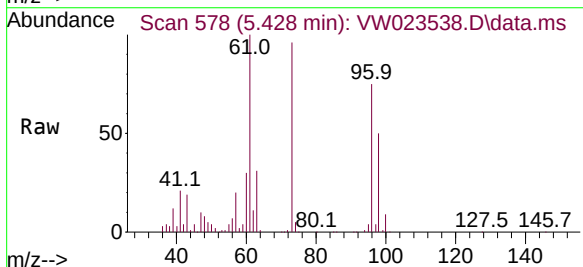
Instrument :  
MSVOA\_W  
ClientSampleId :

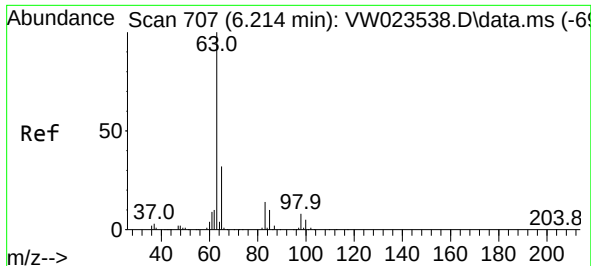
Tgt Ion: 96 Resp: 107656  
Ion Ratio Lower Upper  
96 100  
61 131.9 92.3 171.5  
98 65.0 45.5 84.5



#18  
Methyl tert-butyl Ether  
Concen: 23.187 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Tgt Ion: 73 Resp: 155318  
Ion Ratio Lower Upper  
73 100  
43 20.2 16.2 24.2  
57 21.1 16.9 25.3





#19

1,1-Dichloroethane

Concen: 23.502 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

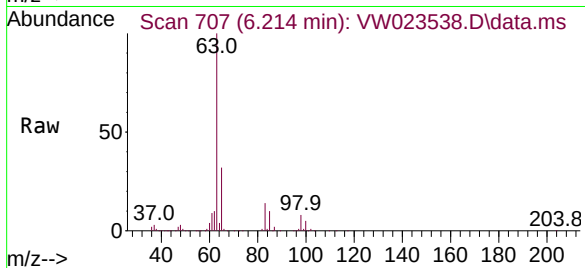
Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

Instrument :

MSVOA\_W

ClientSampleId :



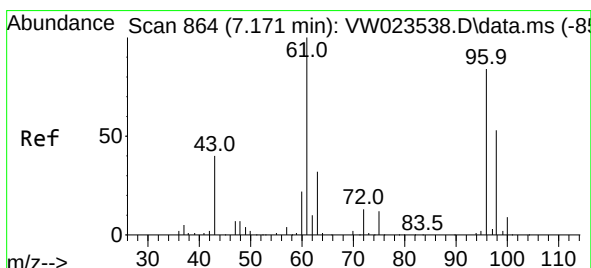
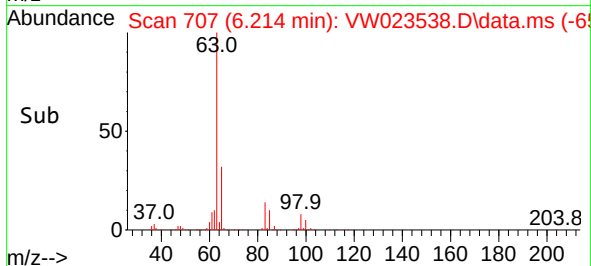
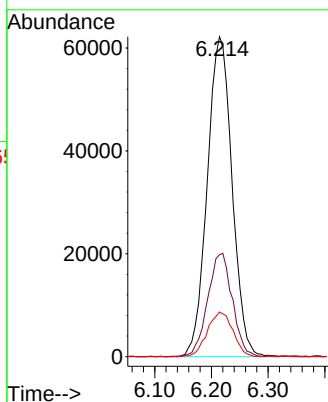
Tgt Ion: 63 Resp: 189323

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.3

83 14.0 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 23.640 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

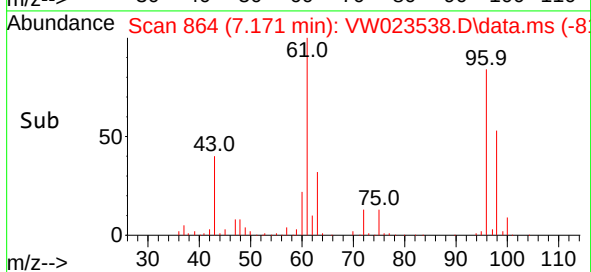
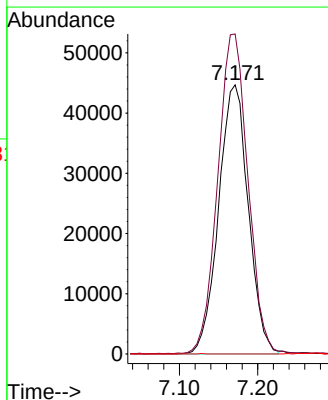
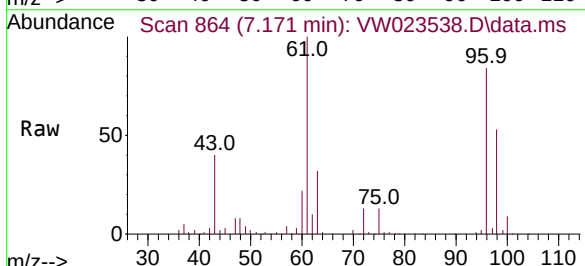
Tgt Ion: 96 Resp: 117683

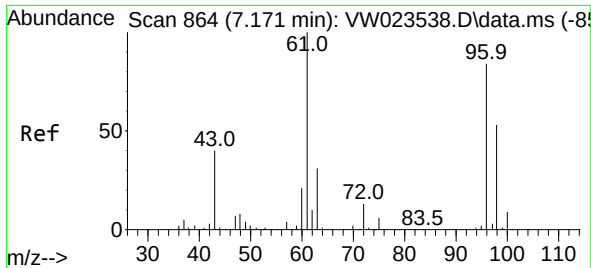
Ion Ratio Lower Upper

96 100

61 118.9 83.2 154.6

68 0.0 0.0 0.0

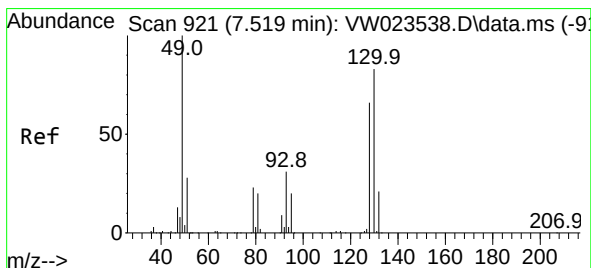
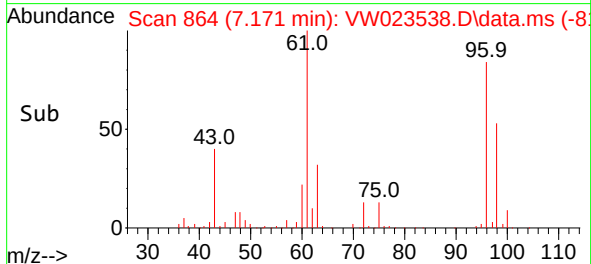
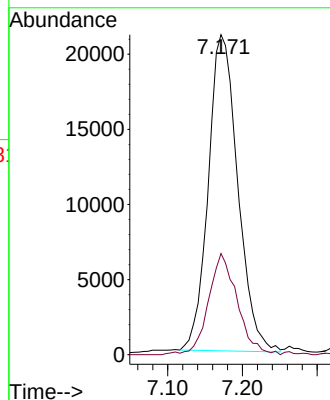
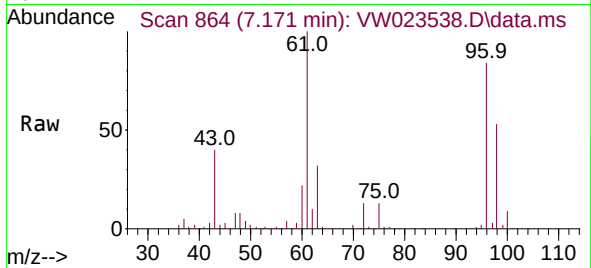




#22  
2-Butanone  
Concen: 39.700 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

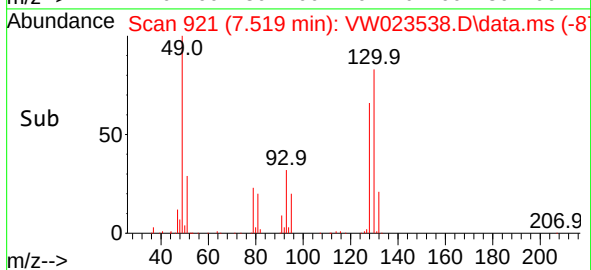
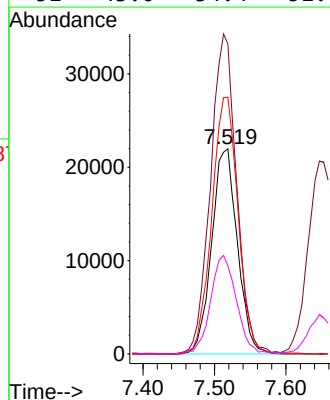
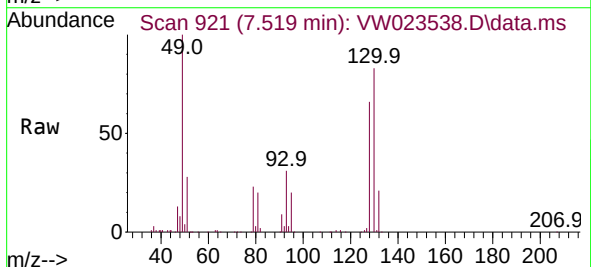
Instrument :  
MSVOA\_W  
ClientSampleId :

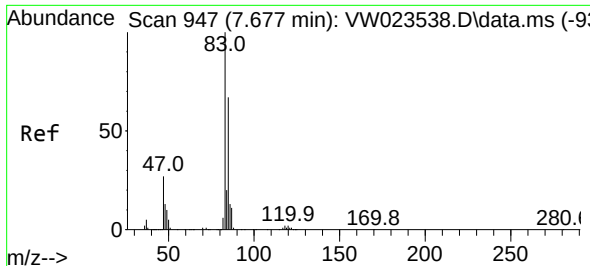
Tgt Ion: 43 Resp: 57680  
Ion Ratio Lower Upper  
43 100  
72 30.7 15.4 46.1



#23  
Bromochloromethane  
Concen: 22.299 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Tgt Ion: 128 Resp: 54937  
Ion Ratio Lower Upper  
128 100  
49 151.2 105.8 196.6  
130 125.2 87.6 162.8  
51 43.0 34.4 51.6

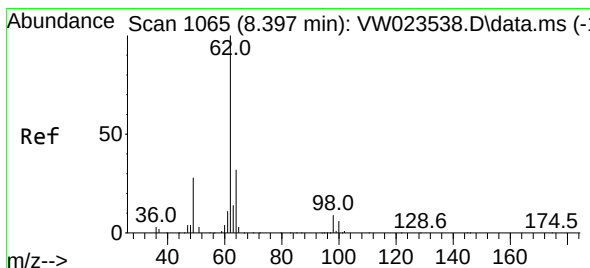
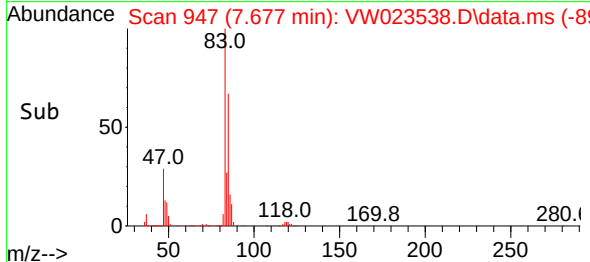
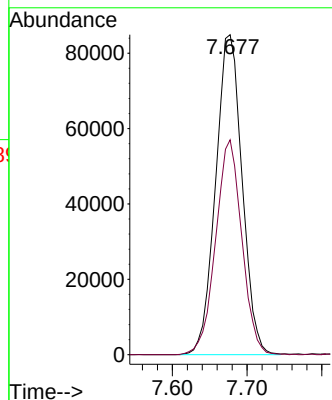
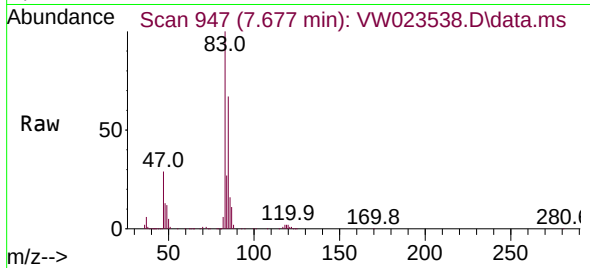




#25  
Chloroform  
Concen: 23.267 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

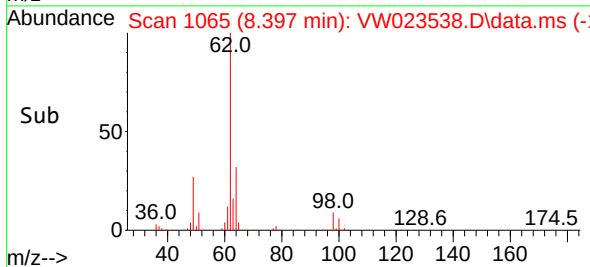
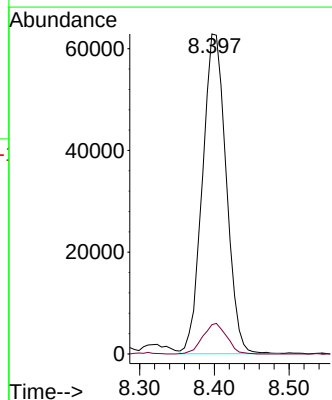
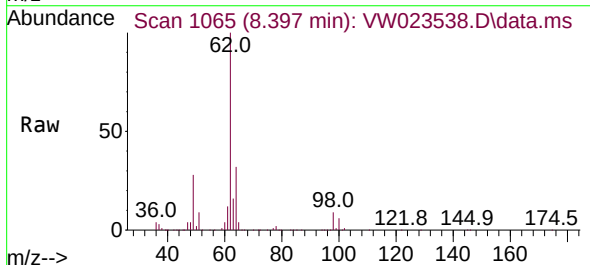
Instrument :  
MSVOA\_W  
ClientSampleId :

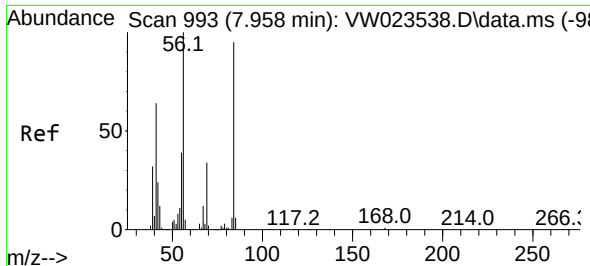
Tgt Ion: 83 Resp: 209221  
Ion Ratio Lower Upper  
83 100  
85 67.2 47.0 87.4



#27  
1,2-Dichloroethane  
Concen: 23.325 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

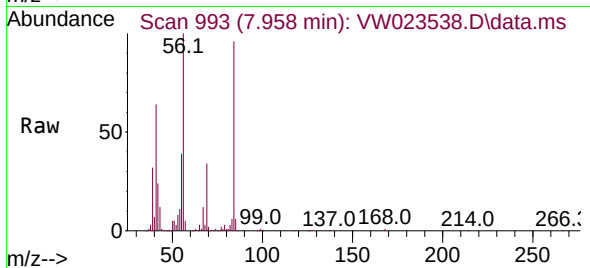
Tgt Ion: 62 Resp: 138740  
Ion Ratio Lower Upper  
62 100  
98 9.2 7.4 11.0



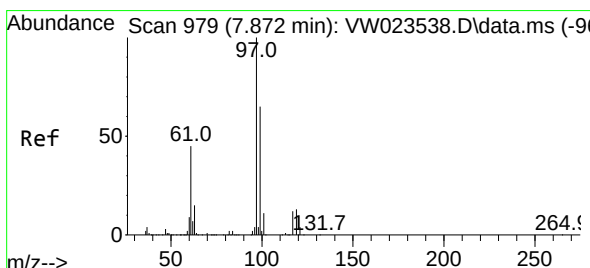
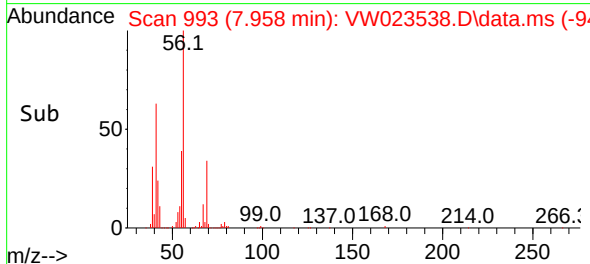
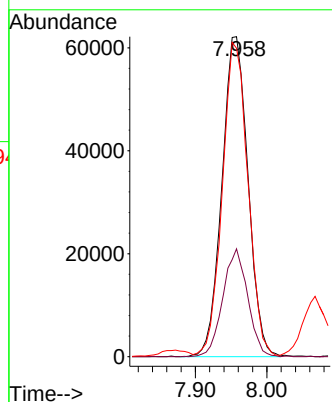


#29  
Cyclohexane  
Concen: 24.509 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Instrument :  
MSVOA\_W  
ClientSampleId :

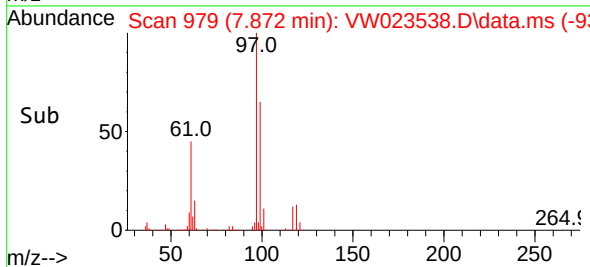
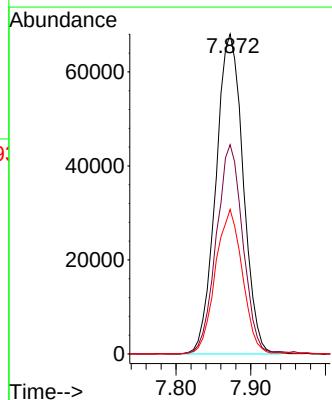
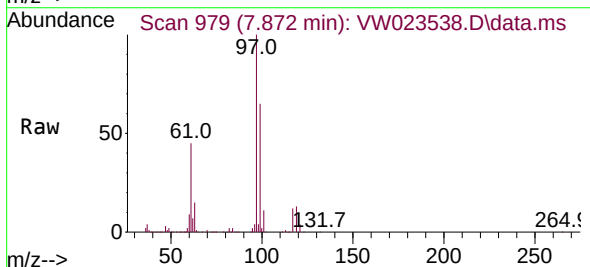


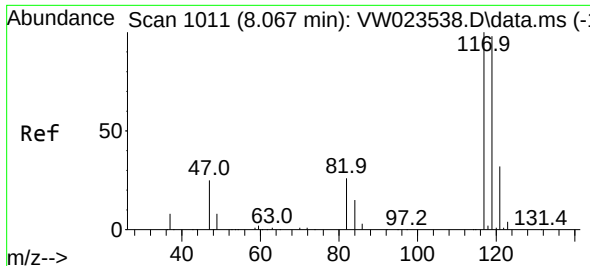
Tgt Ion: 56 Resp: 157583  
Ion Ratio Lower Upper  
56 100  
69 32.0 25.6 38.4  
84 96.3 77.0 115.6



#30  
1,1,1-Trichloroethane  
Concen: 23.373 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Tgt Ion: 97 Resp: 172476  
Ion Ratio Lower Upper  
97 100  
99 63.5 50.8 76.2  
61 44.8 35.8 53.8

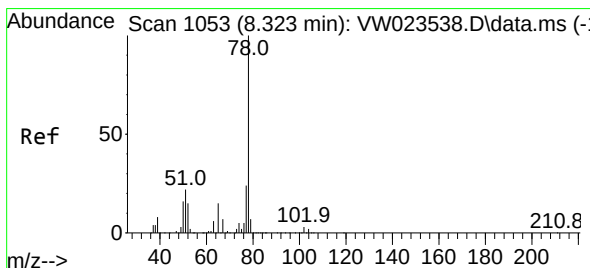
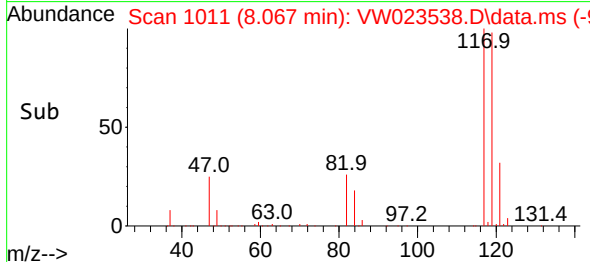
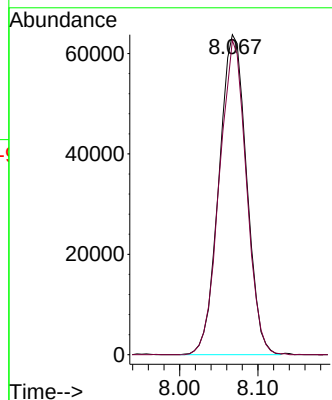
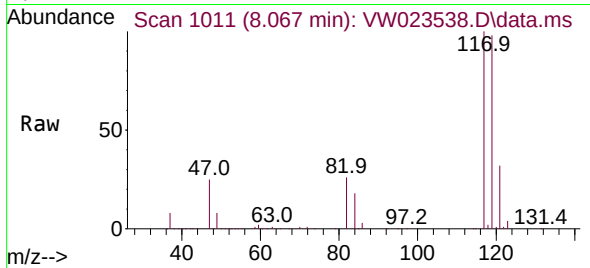




#31  
Carbon tetrachloride  
Concen: 23.431 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

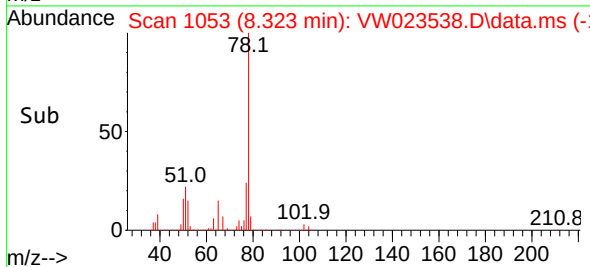
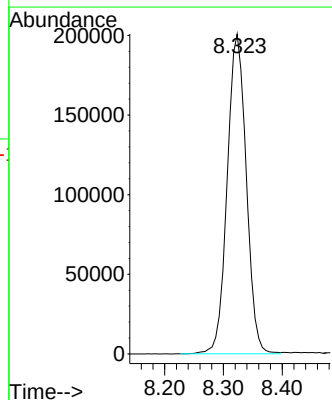
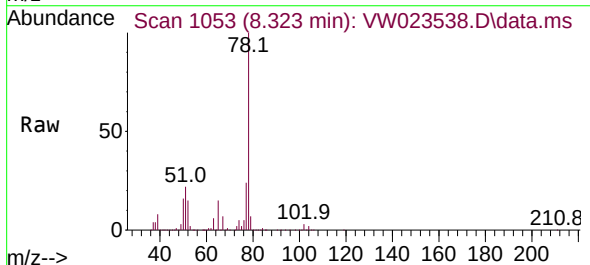
Instrument :  
MSVOA\_W  
ClientSampleId :

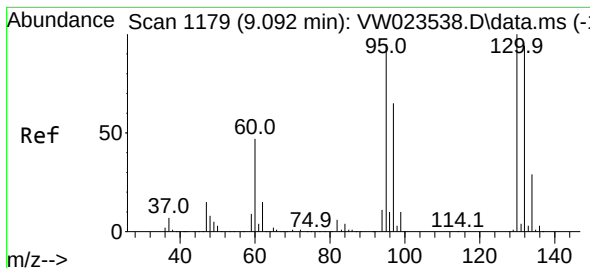
Tgt Ion:117 Resp: 156306  
Ion Ratio Lower Upper  
117 100  
119 95.9 76.7 115.1



#33  
Benzene  
Concen: 23.679 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Tgt Ion: 78 Resp: 453244





#34

Trichloroethene

Concen: 23.303 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

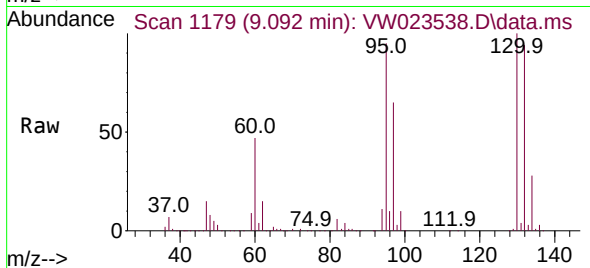
Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 119511

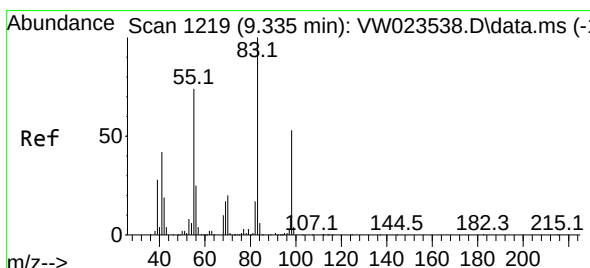
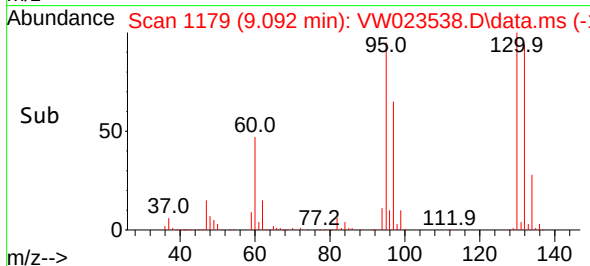
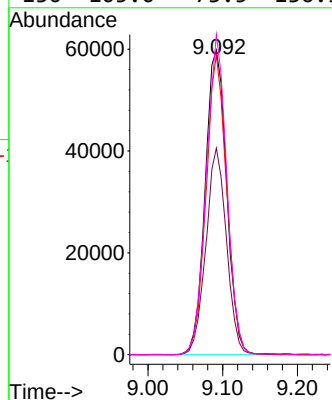
Ion Ratio Lower Upper

95 100

97 67.8 47.5 88.1

132 98.4 68.9 127.9

130 105.0 73.5 136.5



#35

Methylcyclohexane

Concen: 24.629 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

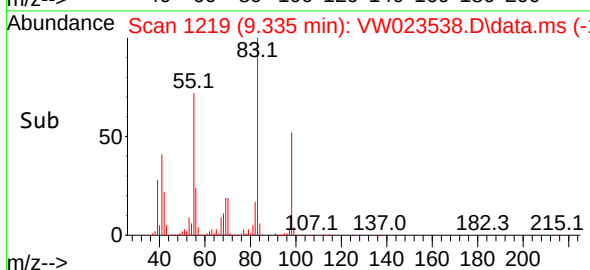
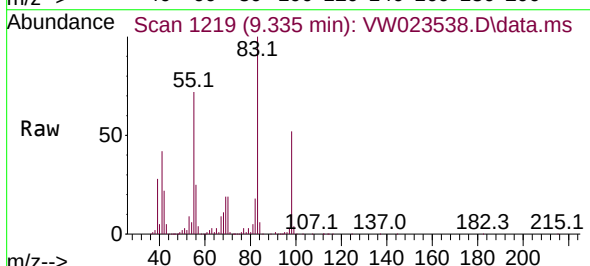
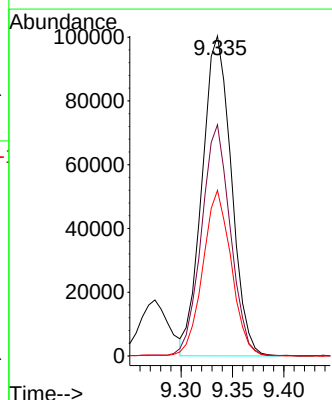
Tgt Ion: 83 Resp: 198745

Ion Ratio Lower Upper

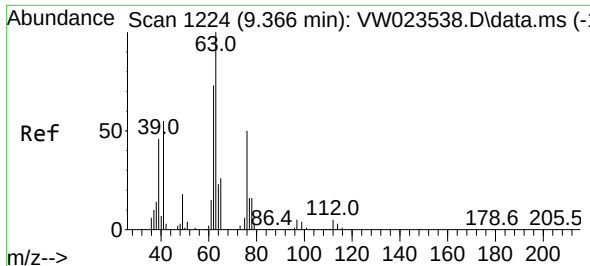
83 100

55 71.3 57.0 85.6

98 50.3 40.2 60.4







#37

1,2-Dichloropropane

Concen: 23.490 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

Instrument :

MSVOA\_W

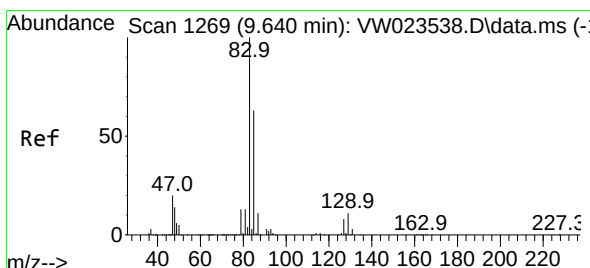
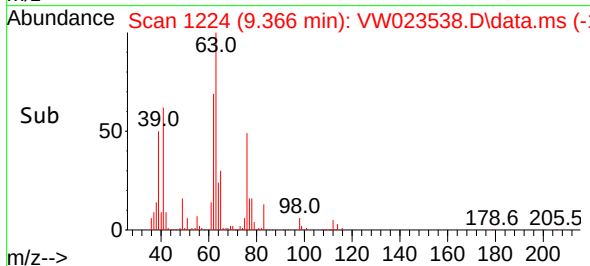
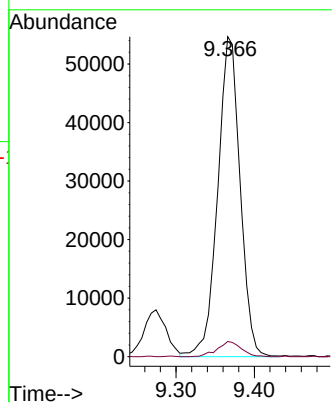
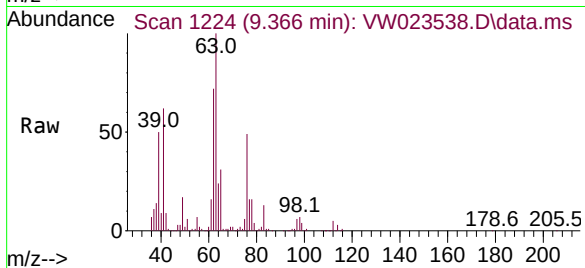
ClientSampleId :

Tgt Ion: 63 Resp: 108756

Ion Ratio Lower Upper

63 100

112 5.1 4.1 6.1



#38

Bromodichloromethane

Concen: 23.272 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

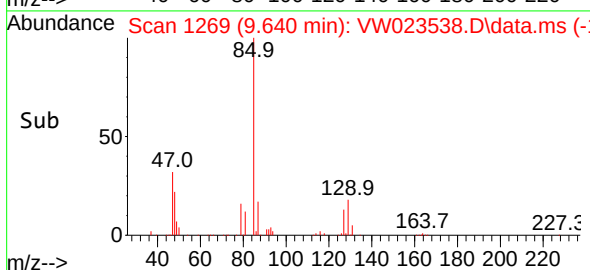
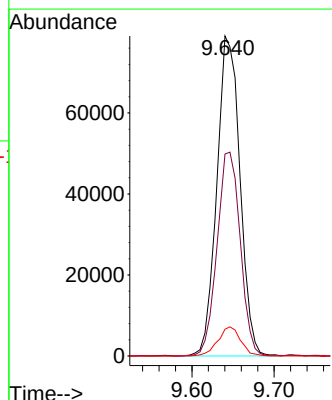
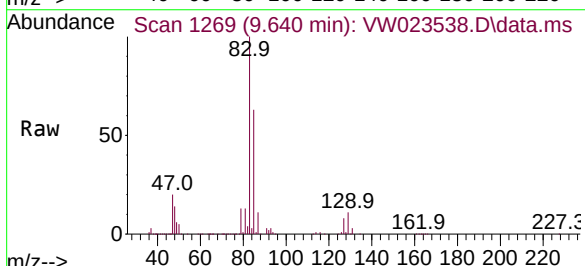
Tgt Ion: 83 Resp: 154266

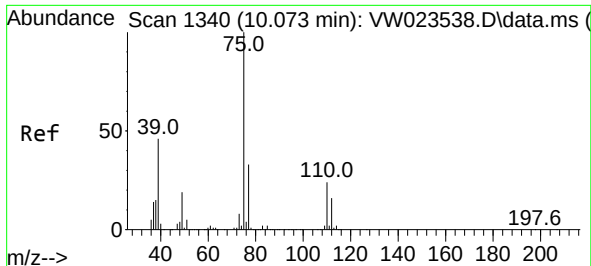
Ion Ratio Lower Upper

83 100

85 63.1 44.2 82.0

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 23.480 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

Instrument :

MSVOA\_W

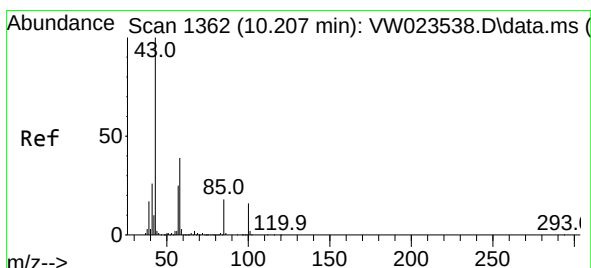
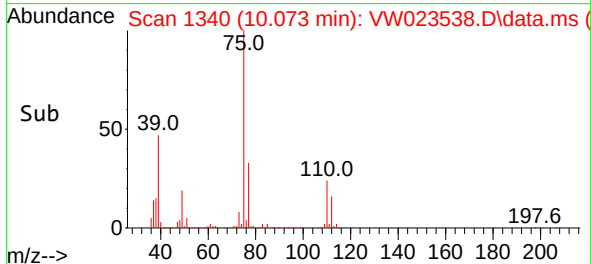
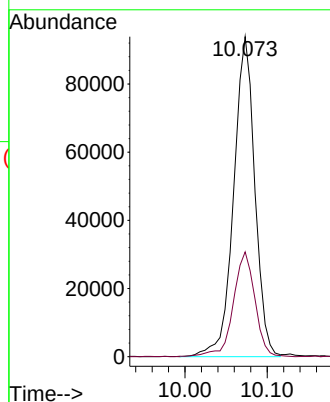
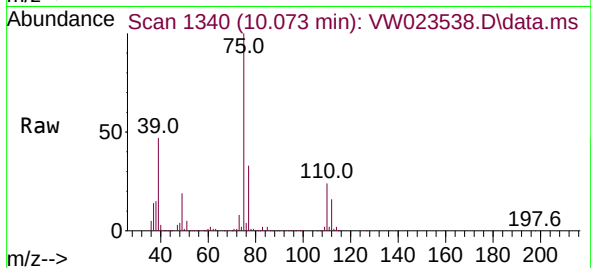
ClientSampleId :

Tgt Ion: 75 Resp: 168338

Ion Ratio Lower Upper

75 100

77 32.8 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 44.899 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

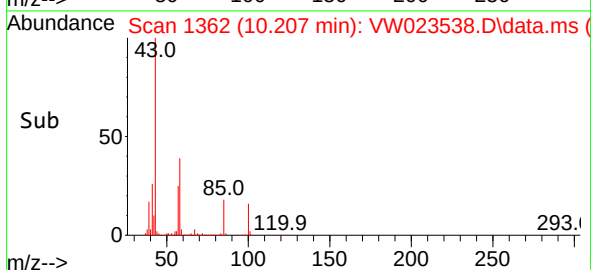
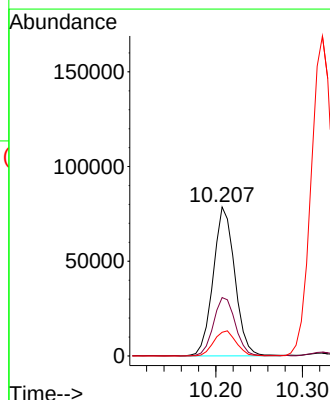
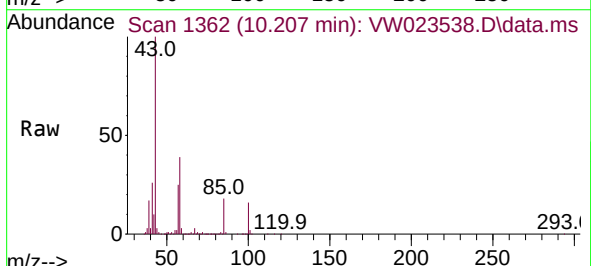
Tgt Ion: 43 Resp: 136243

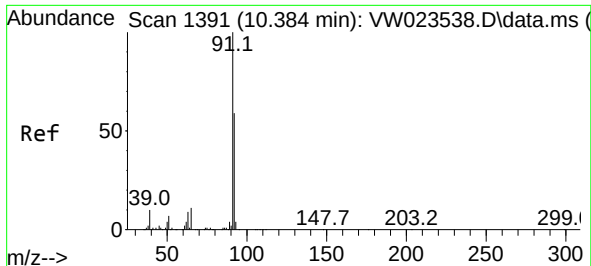
Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.8

100 17.5 14.0 21.0

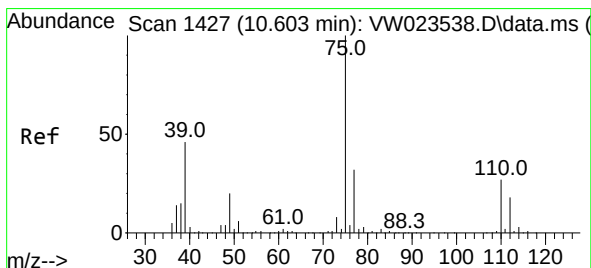
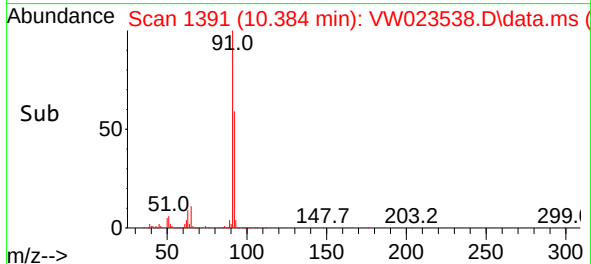
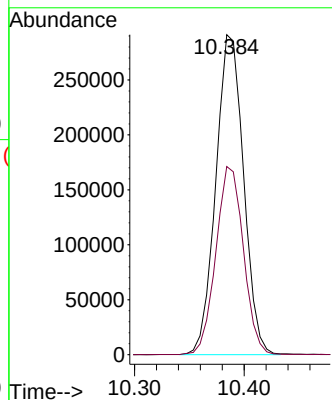
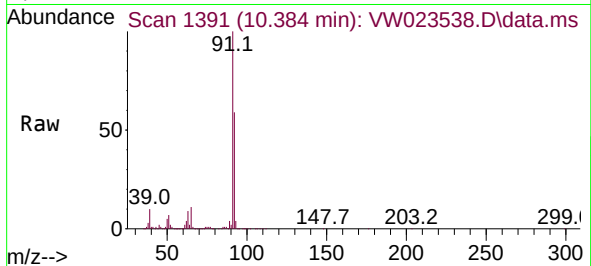




#42  
Toluene  
Concen: 24.237 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

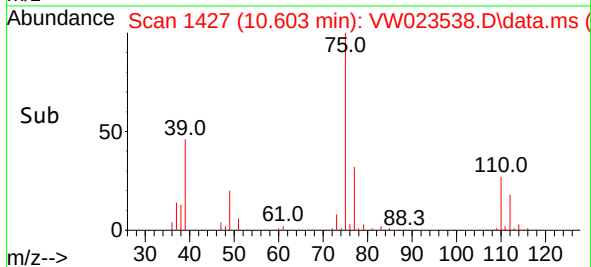
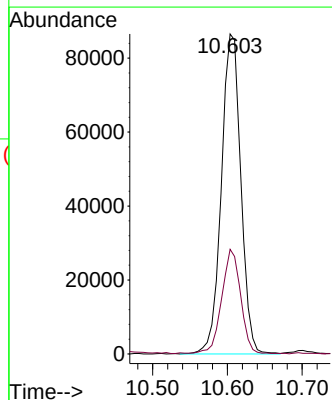
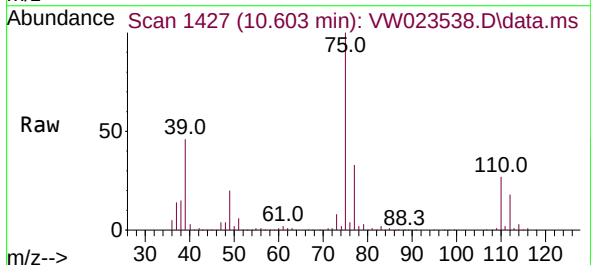
Instrument :  
MSVOA\_W  
ClientSampleId :

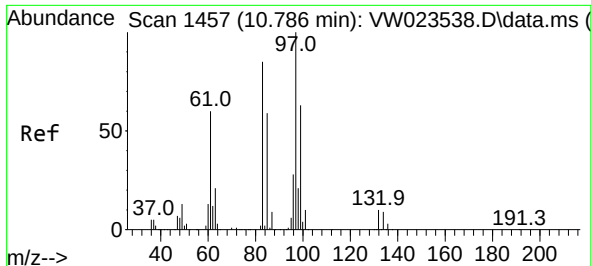
Tgt Ion: 91 Resp: 513130  
Ion Ratio Lower Upper  
91 100  
92 58.8 41.2 76.4



#44  
trans-1,3-Dichloropropene  
Concen: 23.692 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Tgt Ion: 75 Resp: 156990  
Ion Ratio Lower Upper  
75 100  
77 32.7 22.9 42.5

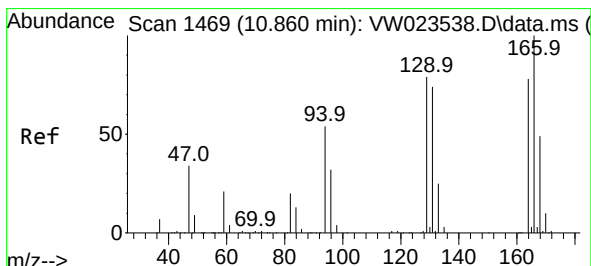
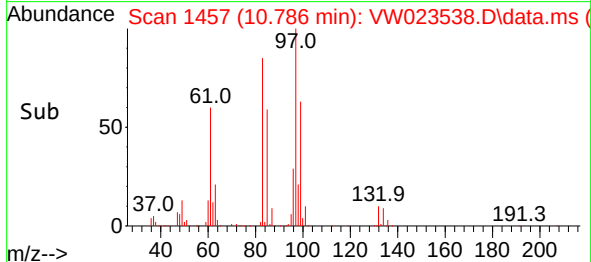
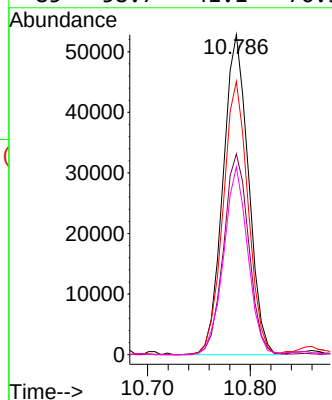
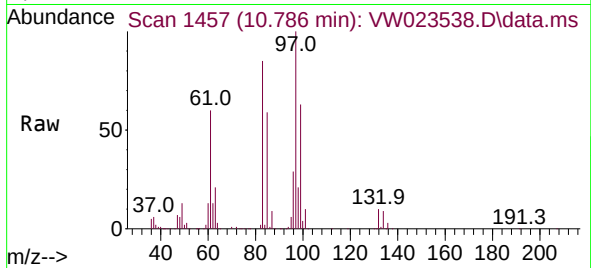




#45  
1,1,2-Trichloroethane  
Concen: 23.036 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

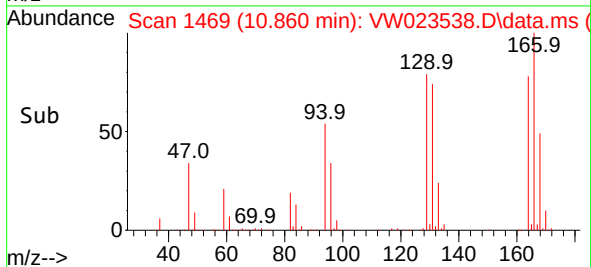
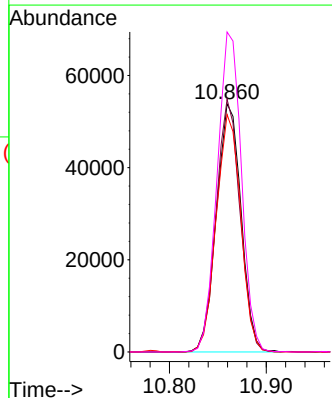
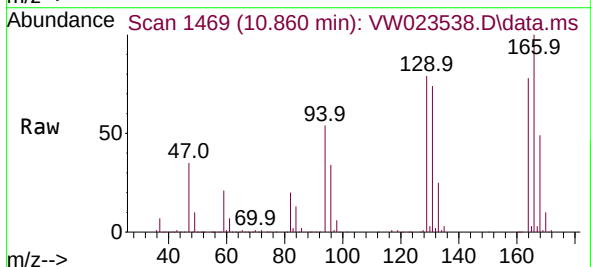
Instrument :  
MSVOA\_W  
ClientSampleId :

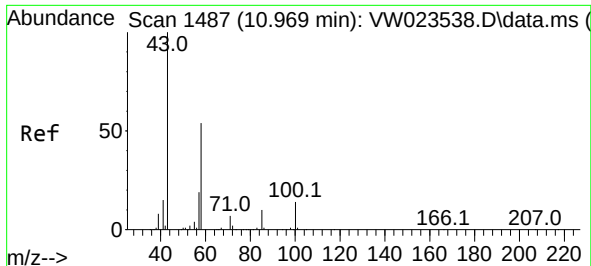
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 90688 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.7  | 43.9  | 81.5  |
| 83       | 85.4  | 59.8  | 111.0 |
| 85       | 58.7  | 41.1  | 76.3  |



#46  
Tetrachloroethene  
Concen: 23.087 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

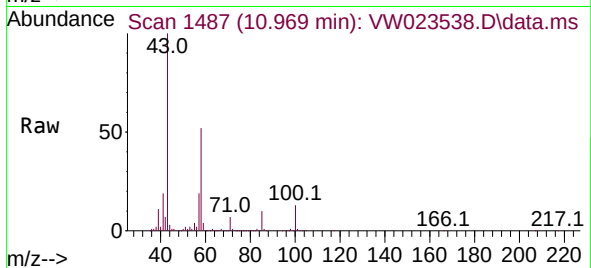
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 95223 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 101.8 | 71.3  | 132.3 |
| 131      | 95.7  | 67.0  | 124.4 |
| 166      | 128.9 | 90.2  | 167.6 |



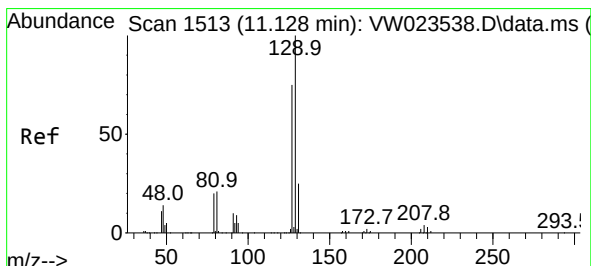
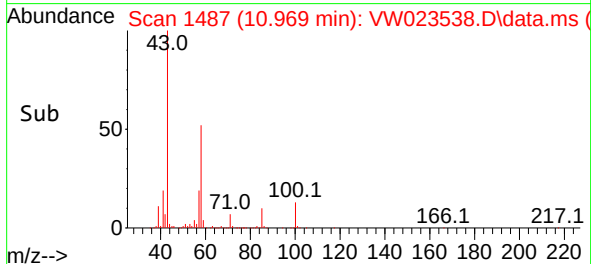
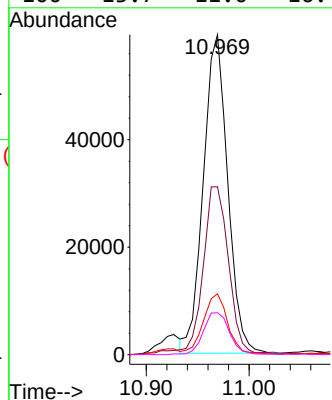


#48  
2-Hexanone  
Concen: 46.852 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Instrument :  
MSVOA\_W  
ClientSampleId :

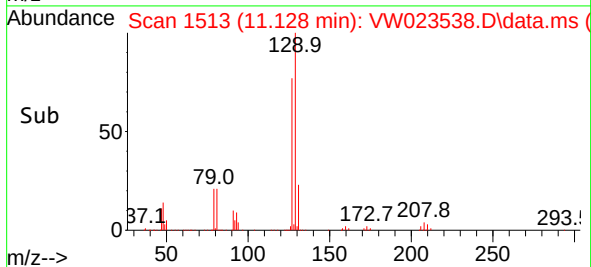
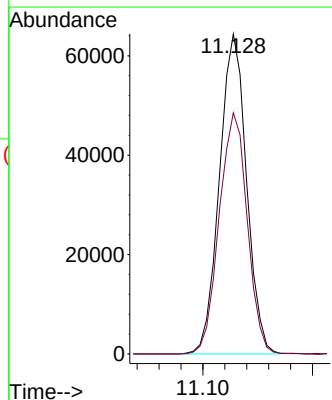
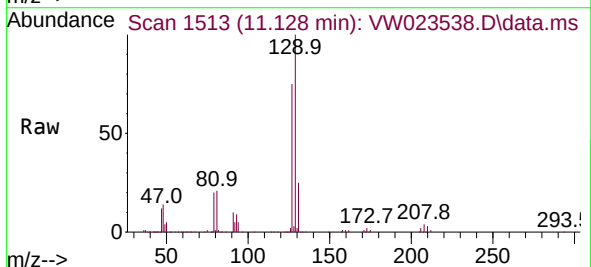


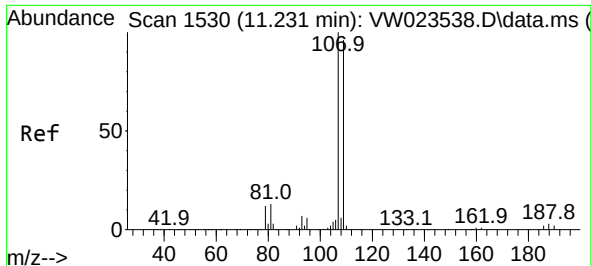
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 97649 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 54.6  | 43.7  | 65.5  |
| 57       | 19.6  | 15.7  | 23.5  |
| 100      | 13.7  | 11.0  | 16.4  |



#49  
Dibromochloromethane  
Concen: 22.960 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 110448 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 75.3  | 52.7  | 97.9   |





#50

1,2-Dibromoethane

Concen: 22.686 ug/L

RT: 11.231 min Scan# 1530

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

Instrument :

MSVOA\_W

ClientSampleId :

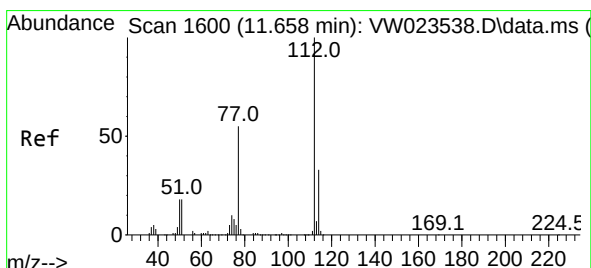
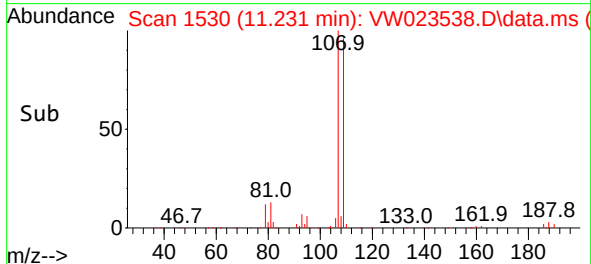
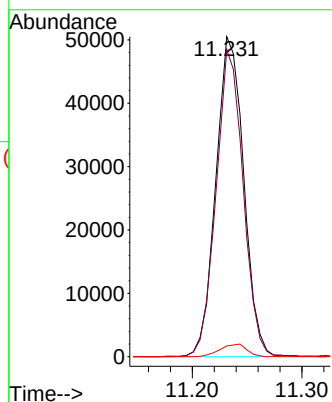
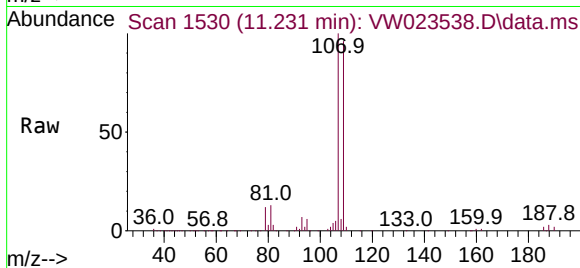
Tgt Ion:107 Resp: 88991

Ion Ratio Lower Upper

107 100

109 96.0 67.2 124.8

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 23.020 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

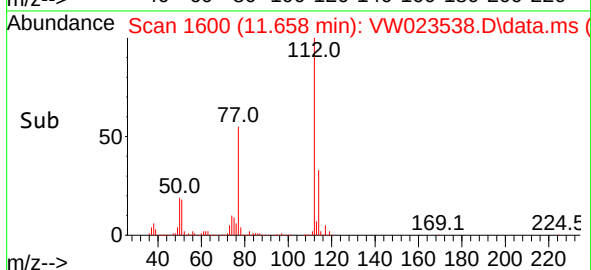
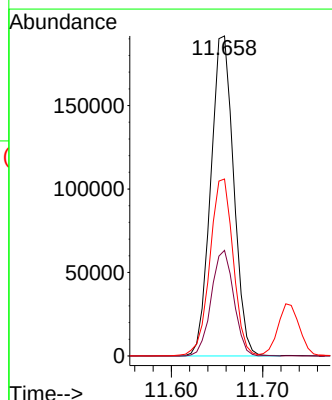
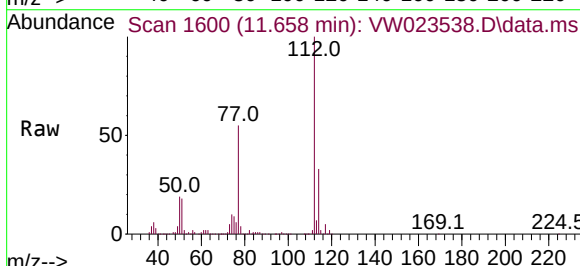
Tgt Ion:112 Resp: 333495

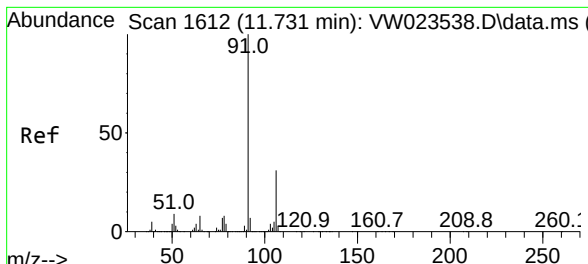
Ion Ratio Lower Upper

112 100

114 33.0 23.1 42.9

77 55.3 44.2 66.4

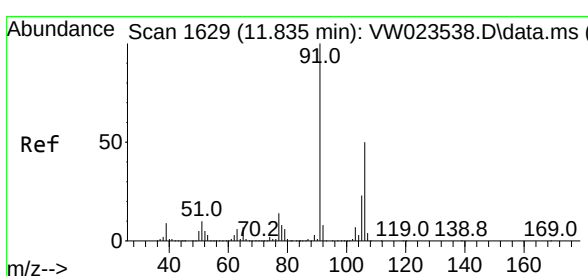
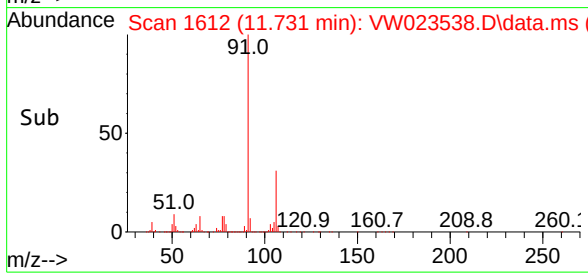
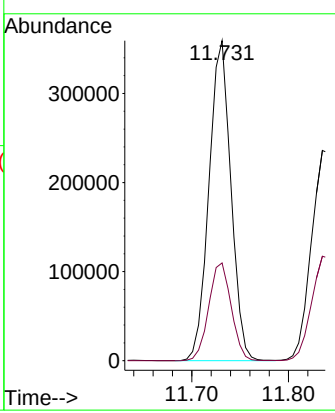
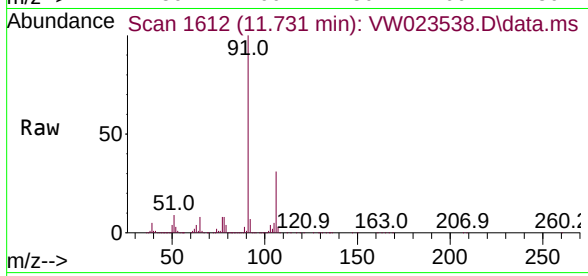




#52  
Ethylbenzene  
Concen: 23.966 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

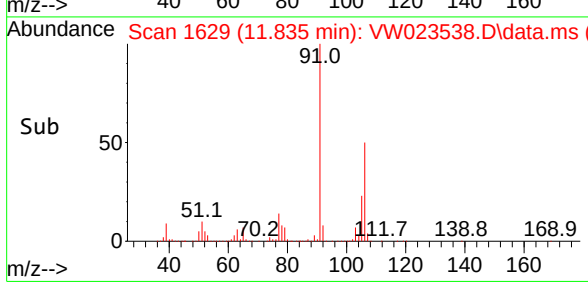
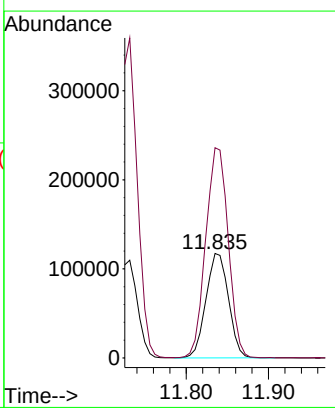
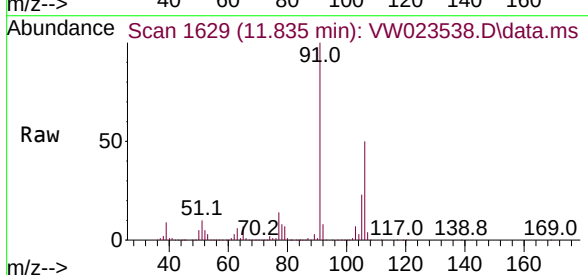
Instrument :  
MSVOA\_W  
ClientSampleId :

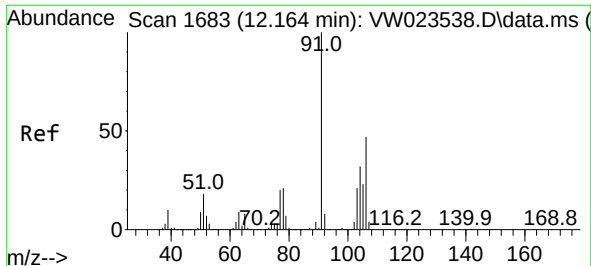
|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 91   | Resp: | 565962 |
| Ion Ratio | 100  | Lower | Upper  |
| 91        | 100  |       |        |
| 106       | 30.6 | 21.4  | 39.8   |



#53  
m,p-Xylene  
Concen: 24.027 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 106   | Resp: | 223082 |
| Ion Ratio | 100   | Lower | Upper  |
| 91        | 201.2 | 140.8 | 261.6  |

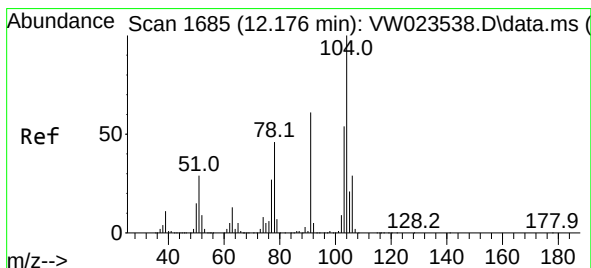
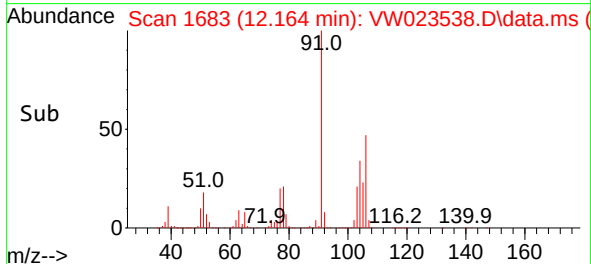
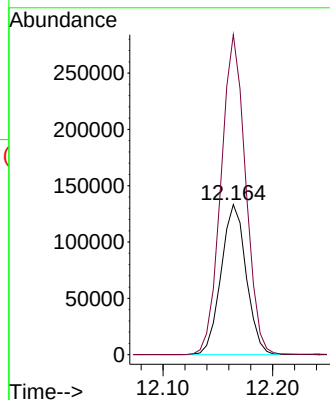
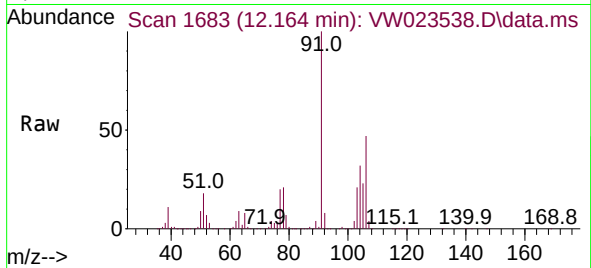




#54  
o-Xylene  
Concen: 24.153 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

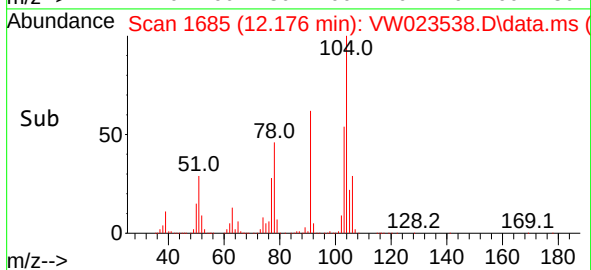
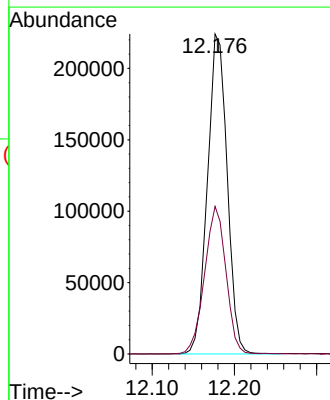
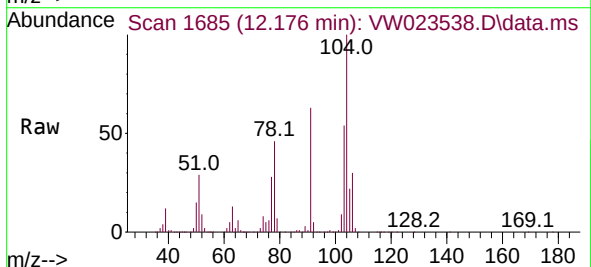
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:106 Resp: 211809  
Ion Ratio Lower Upper  
106 100  
91 213.3 149.3 277.3

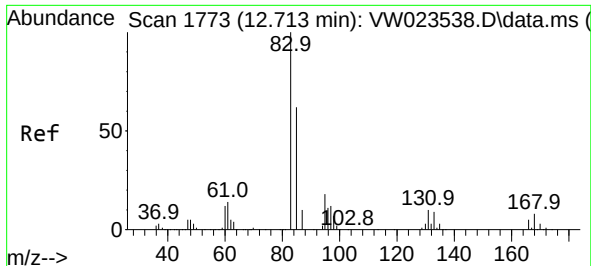


#55  
Styrene  
Concen: 24.369 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Tgt Ion:104 Resp: 373492  
Ion Ratio Lower Upper  
104 100  
78 46.1 32.3 59.9







#57

1,1,2,2-Tetrachloroethane

Concen: 22.501 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

Instrument :

MSVOA\_W

ClientSampleId :

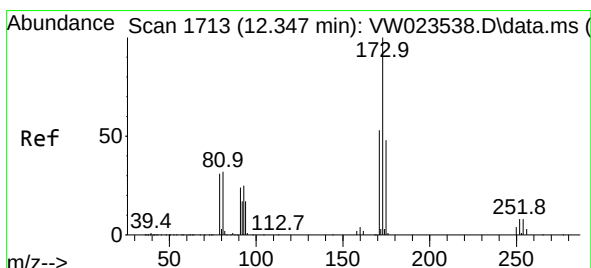
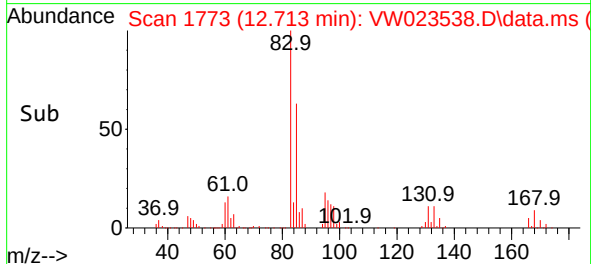
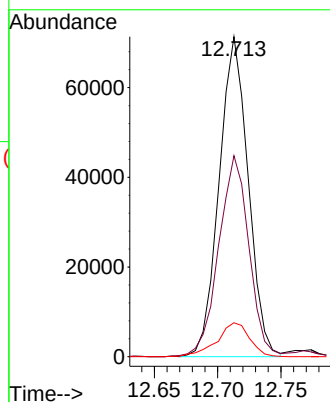
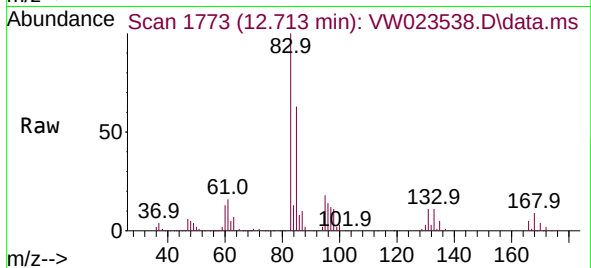
Tgt Ion: 83 Resp: 113922

Ion Ratio Lower Upper

83 100

85 62.8 44.0 81.6

131 10.6 8.5 12.7



#59

Bromoform

Concen: 22.590 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

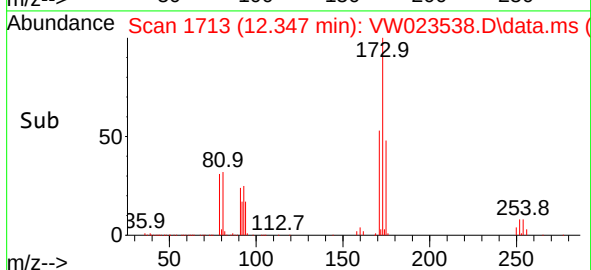
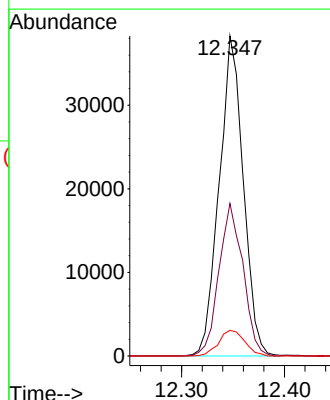
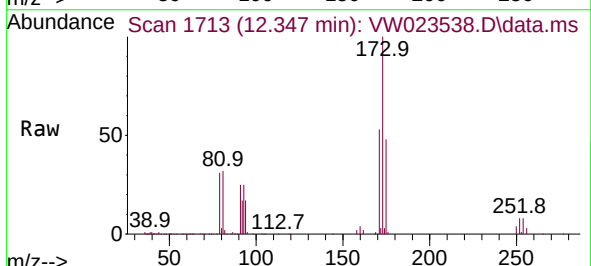
Tgt Ion:173 Resp: 62326

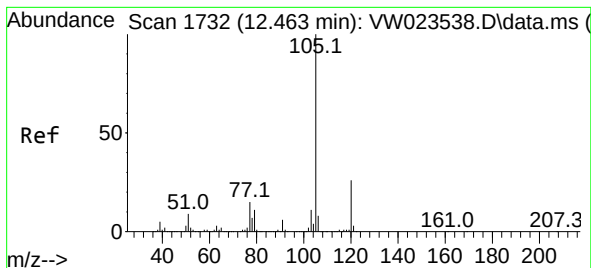
Ion Ratio Lower Upper

173 100

175 47.4 37.9 56.9

254 8.7 7.0 10.4

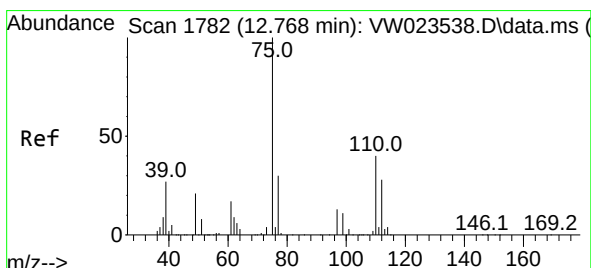
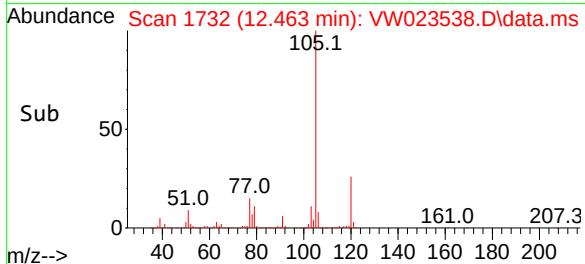
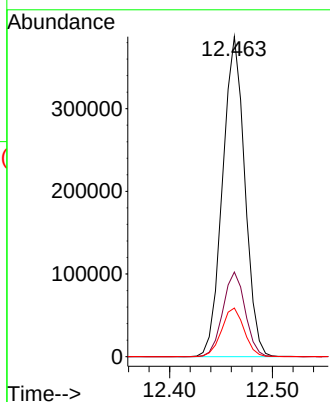
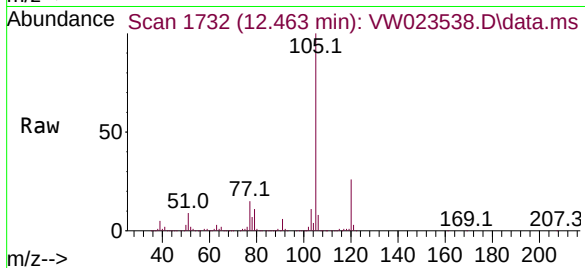




#60  
Isopropylbenzene  
Concen: 23.706 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

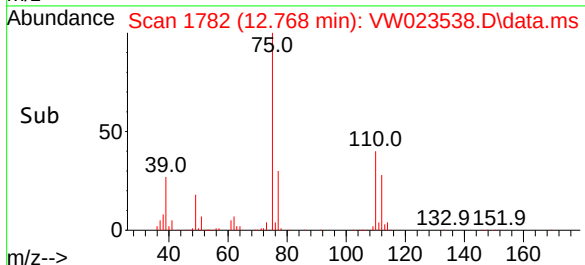
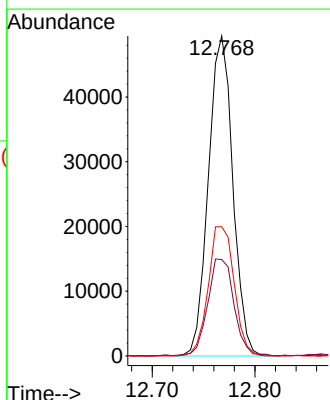
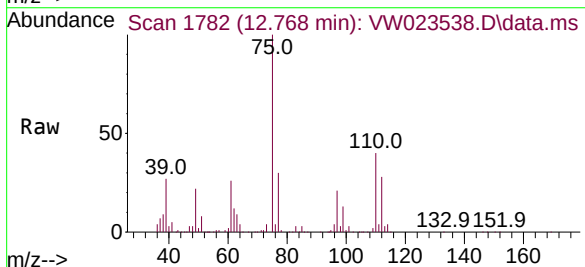
Instrument :  
MSVOA\_W  
ClientSampleId :

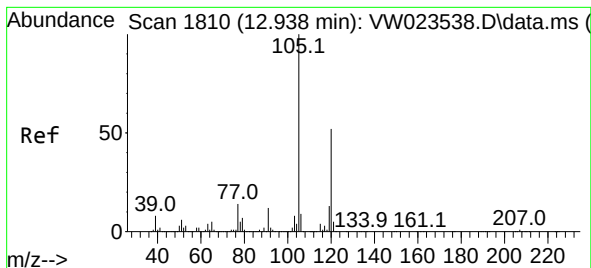
Tgt Ion:105 Resp: 581537  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.3 31.9  
77 15.5 12.4 18.6



#61  
1,2,3-Trichloropropane  
Concen: 21.791 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Tgt Ion: 75 Resp: 81624  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.8 38.6  
110 42.9 34.3 51.5

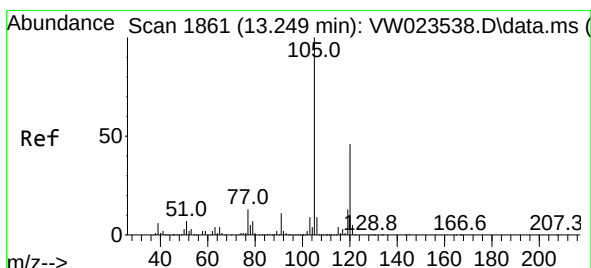
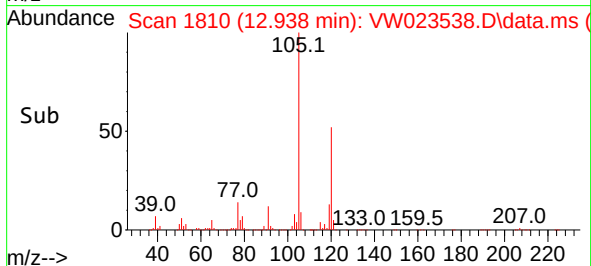
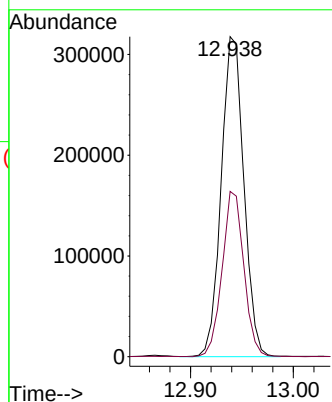
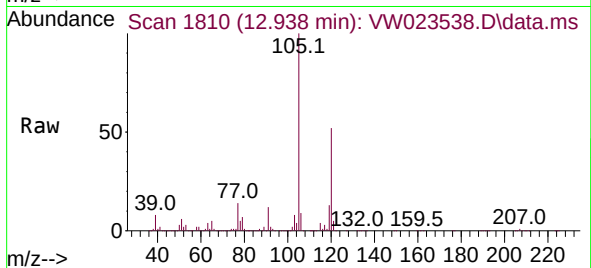




#62  
1,3,5-Trimethylbenzene  
Concen: 23.809 ug/L  
RT: 12.938 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

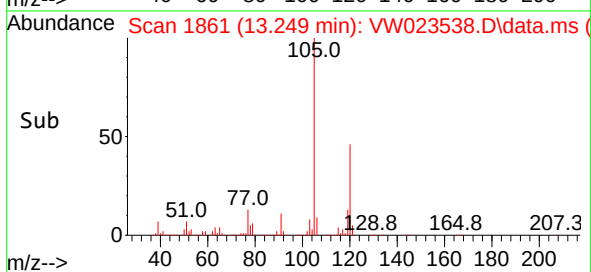
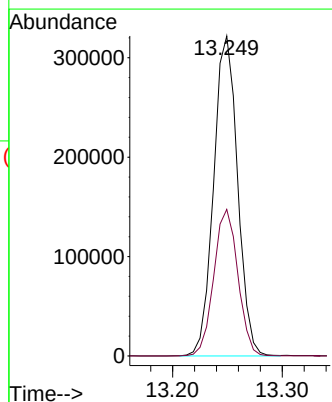
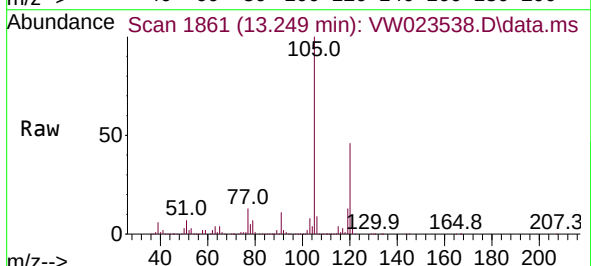
Instrument :  
MSVOA\_W  
ClientSampleId :

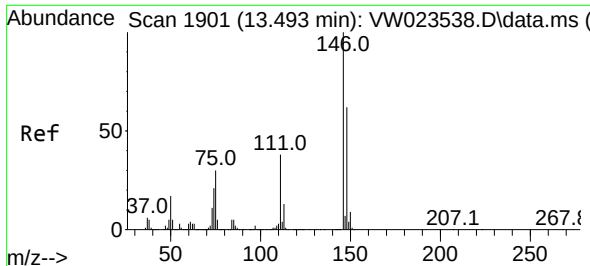
Tgt Ion:105 Resp: 485253  
Ion Ratio Lower Upper  
105 100  
120 49.6 39.7 59.5



#63  
1,2,4-Trimethylbenzene  
Concen: 23.903 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Tgt Ion:105 Resp: 488881  
Ion Ratio Lower Upper  
105 100  
120 46.1 36.9 55.3

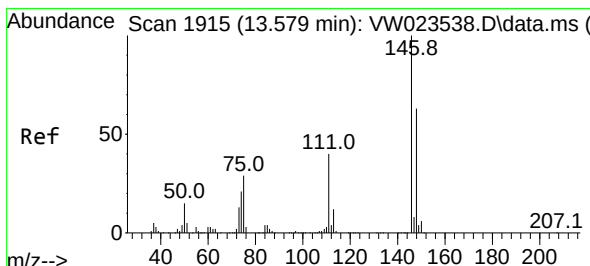
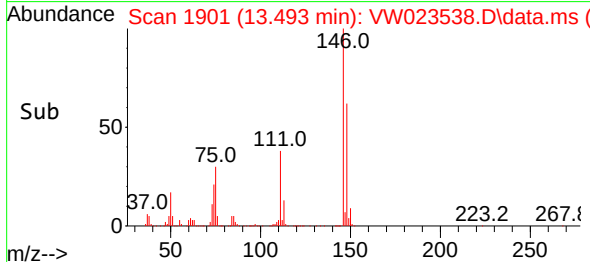
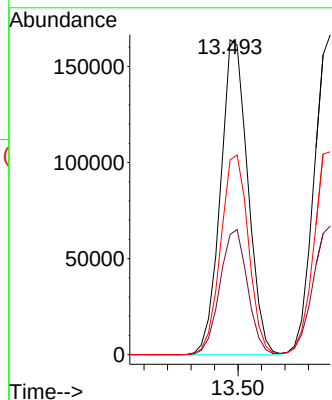
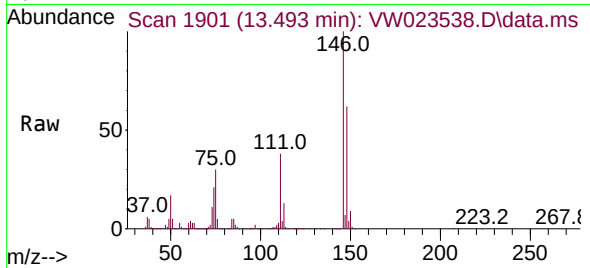




#64  
1,3-Dichlorobenzene  
Concen: 22.448 ug/L  
RT: 13.493 min Scan# 1901  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

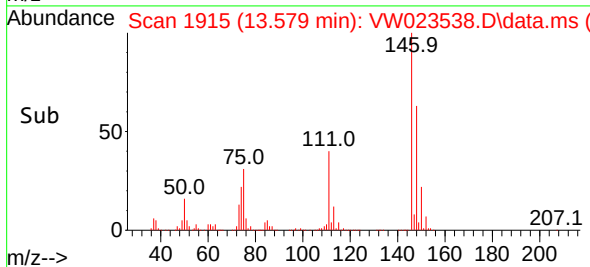
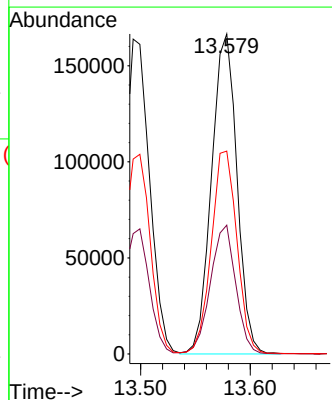
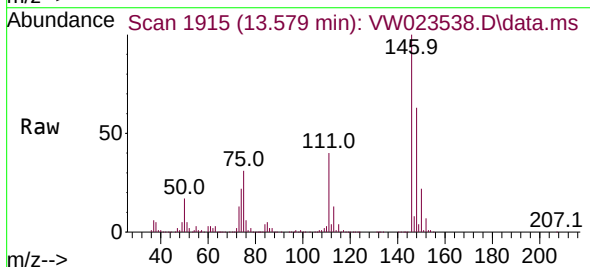
Instrument :  
MSVOA\_W  
ClientSampleId :

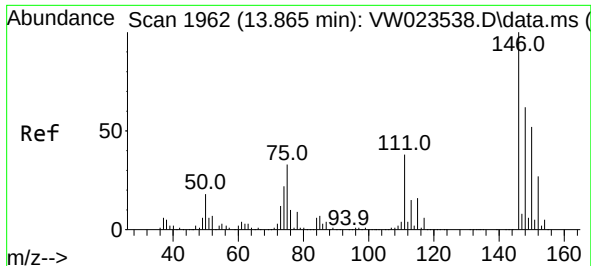
Tgt Ion:146 Resp: 264662  
Ion Ratio Lower Upper  
146 100  
111 38.2 26.7 49.7  
148 61.9 43.3 80.5



#65  
1,4-Dichlorobenzene  
Concen: 22.498 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VW023538.D  
Acq: 30 Jun 2022 10:28

Tgt Ion:146 Resp: 269011  
Ion Ratio Lower Upper  
146 100  
111 40.3 28.2 52.4  
148 63.4 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 22.775 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

Instrument :

MSVOA\_W

ClientSampleId :

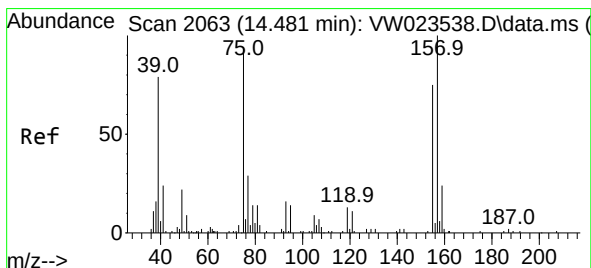
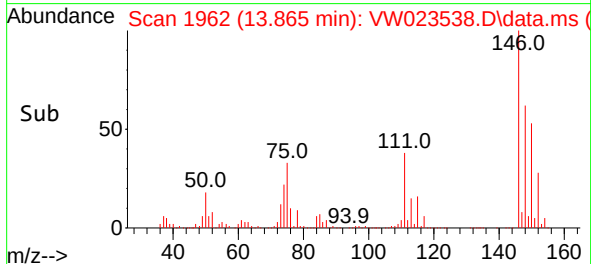
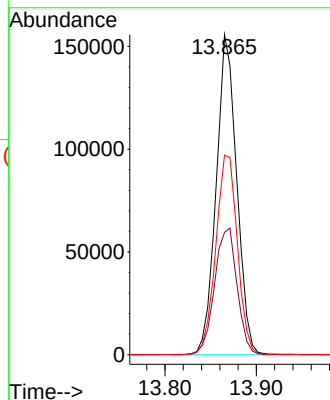
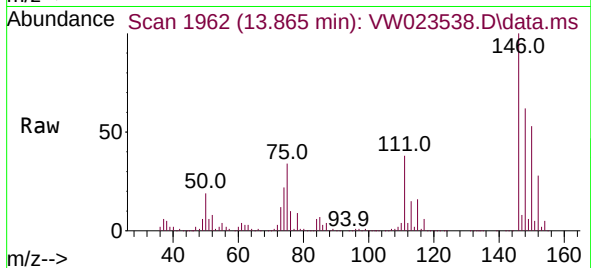
Tgt Ion:146 Resp: 243340

Ion Ratio Lower Upper

146 100

111 38.2 30.6 45.8

148 62.4 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 20.919 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

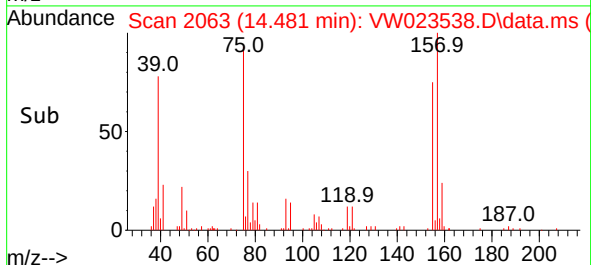
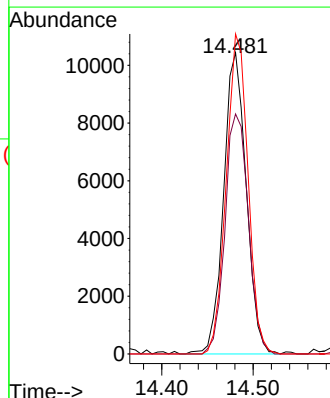
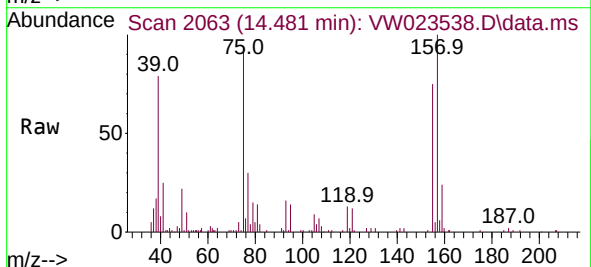
Tgt Ion: 75 Resp: 17920

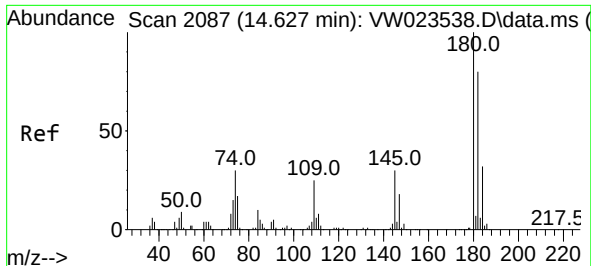
Ion Ratio Lower Upper

75 100

155 79.7 63.8 95.6

157 106.2 85.0 127.4

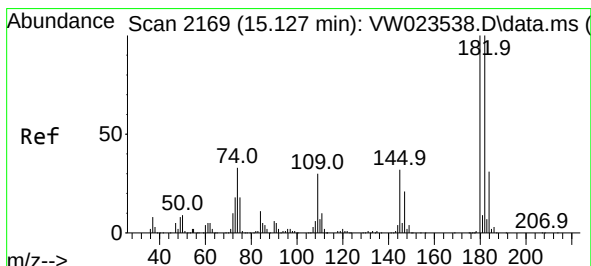
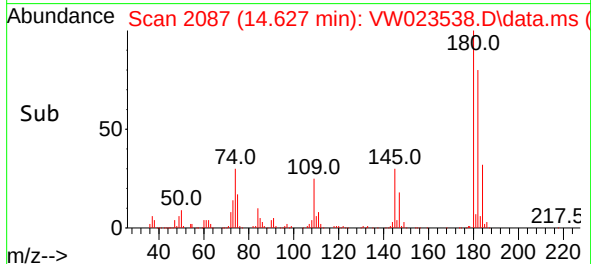
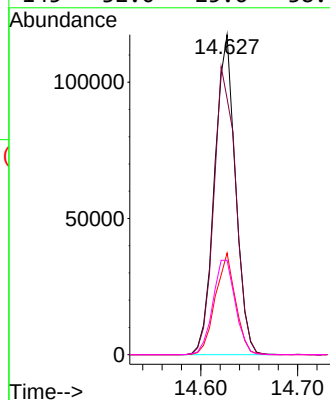
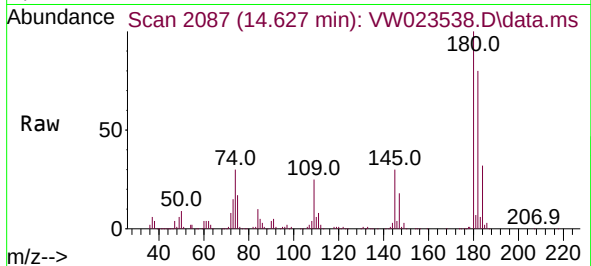




#69  
 1,3,5-Trichlorobenzene  
 Concen: 22.370 ug/L  
 RT: 14.627 min Scan# 2087  
 Delta R.T. 0.000 min  
 Lab File: VW023538.D  
 Acq: 30 Jun 2022 10:28

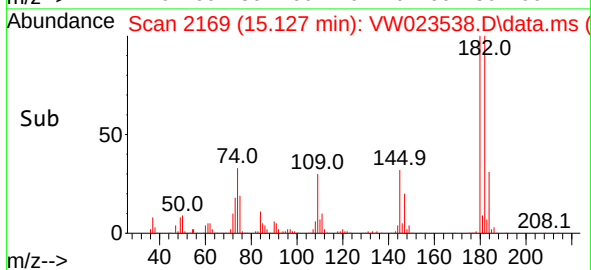
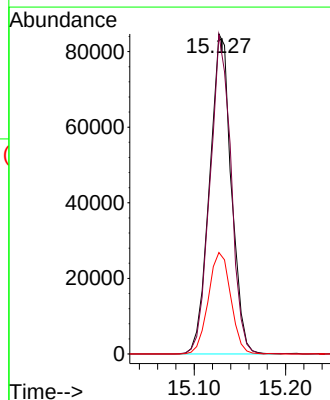
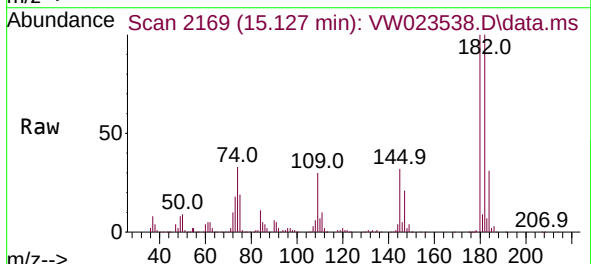
Instrument :  
 MSVOA\_W  
 ClientSampleId :

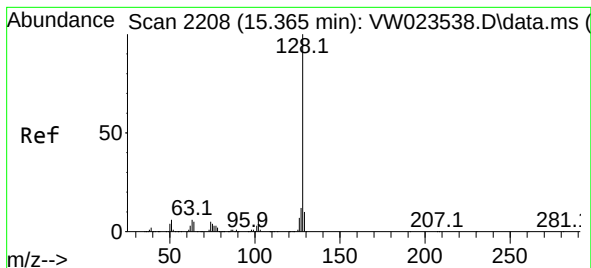
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 176098 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.4  | 75.5  | 113.3  |
| 184       | 30.7  | 24.6  | 36.8   |
| 145       | 32.0  | 25.6  | 38.4   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 22.043 ug/L  
 RT: 15.127 min Scan# 2169  
 Delta R.T. 0.000 min  
 Lab File: VW023538.D  
 Acq: 30 Jun 2022 10:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 140033 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.2  | 77.0  | 115.4  |
| 145       | 32.6  | 26.1  | 39.1   |





#71

Naphthalene

Concen: 22.554 ug/L

RT: 15.365 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

Instrument :

MSVOA\_W

ClientSampleId :

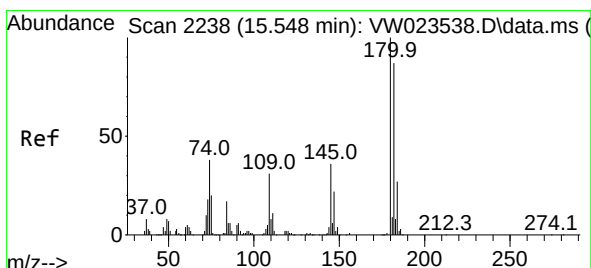
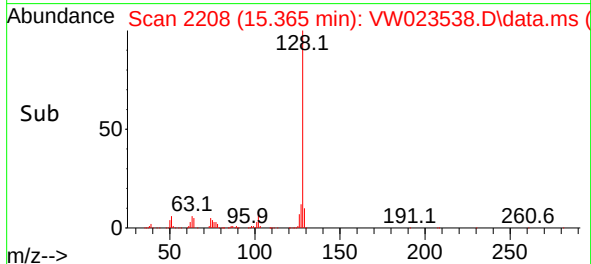
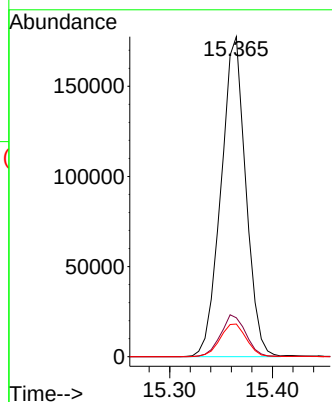
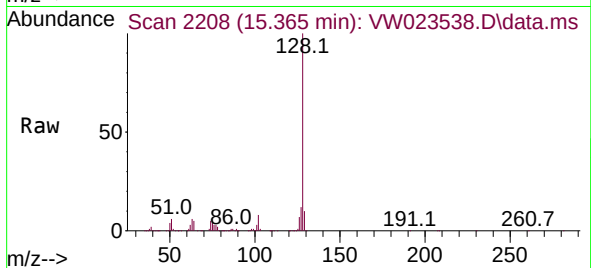
Tgt Ion:128 Resp: 297270

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 21.287 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW023538.D

Acq: 30 Jun 2022 10:28

Tgt Ion:180 Resp: 123422

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 35.2 28.2 42.2

