

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW091322\  
 Data File : VW024609.D  
 Acq On : 13 Sep 2022 16:50  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Sep 14 01:32:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Sep 13 02:43:10 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 300575   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 323426   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 188559   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 152939   | 24.645   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.600%  |
| 7) Chloroethane-d5            | 2.873  | 69    | 121113   | 26.247   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 105.000% |
| 11) 1,1-Dichloroethene-d2     | 4.007  | 63    | 135362   | 20.674   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 82.680%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 47193    | 47.141   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 94.280%  |
| 24) Chloroform-d              | 7.647  | 84    | 177809   | 23.227   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 92.920%  |
| 26) 1,2-Dichloroethane-d4     | 8.299  | 65    | 107684   | 24.949   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.800%  |
| 32) Benzene-d6                | 8.275  | 84    | 344557   | 21.658   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 86.640%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 101918   | 21.728   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 86.920%  |
| 41) Toluene-d8                | 10.323 | 98    | 354405   | 22.851   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.400%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 47386    | 22.543   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 90.160%  |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 44288    | 51.367   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 102.740% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 118256   | 26.304   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 105.200% |
| 66) 1,2-Dichlorobenzene-d4    | 13.847 | 152   | 144722   | 24.232   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 96.920%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.001  | 85    | 32294    | 22.434   | ug/L   | 91       |
| 3) Chloromethane              | 2.209  | 50    | 128317   | 28.661   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.349  | 62    | 203406   | 26.949   | ug/L   | 99       |
| 6) Bromomethane               | 2.763  | 94    | 144249   | 29.316   | ug/L   | 91       |
| 8) Chloroethane               | 2.910  | 64    | 116327   | 28.329   | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 3.245  | 101   | 118882   | 27.244   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.050  | 101   | 89894    | 22.359   | ug/L # | 88       |
| 12) 1,1-Dichloroethene        | 4.031  | 96    | 73845    | 21.489   | ug/L   | 91       |
| 13) Acetone                   | 4.129  | 43    | 34257    | 40.218   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.373  | 76    | 181050   | 19.912   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.672  | 43    | 41512    | 23.058   | ug/L   | 96       |
| 16) Methylene chloride        | 4.909  | 84    | 114866   | 25.611   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.415  | 96    | 87503    | 22.230   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.421  | 73    | 162467   | 23.176   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.208  | 63    | 168281   | 23.497   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.159  | 96    | 103401   | 23.412   | ug/L   | 97       |
| 22) 2-Butanone                | 7.171  | 43    | 63325    | 45.962   | ug/L   | 94       |
| 23) Bromochloromethane        | 7.513  | 128   | 46246    | 22.871   | ug/L   | 96       |
| 25) Chloroform                | 7.671  | 83    | 194762   | 24.481   | 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: Sep 14 01:32:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Sep 13 02:43:10 2022  
 Response via : Initial Calibration

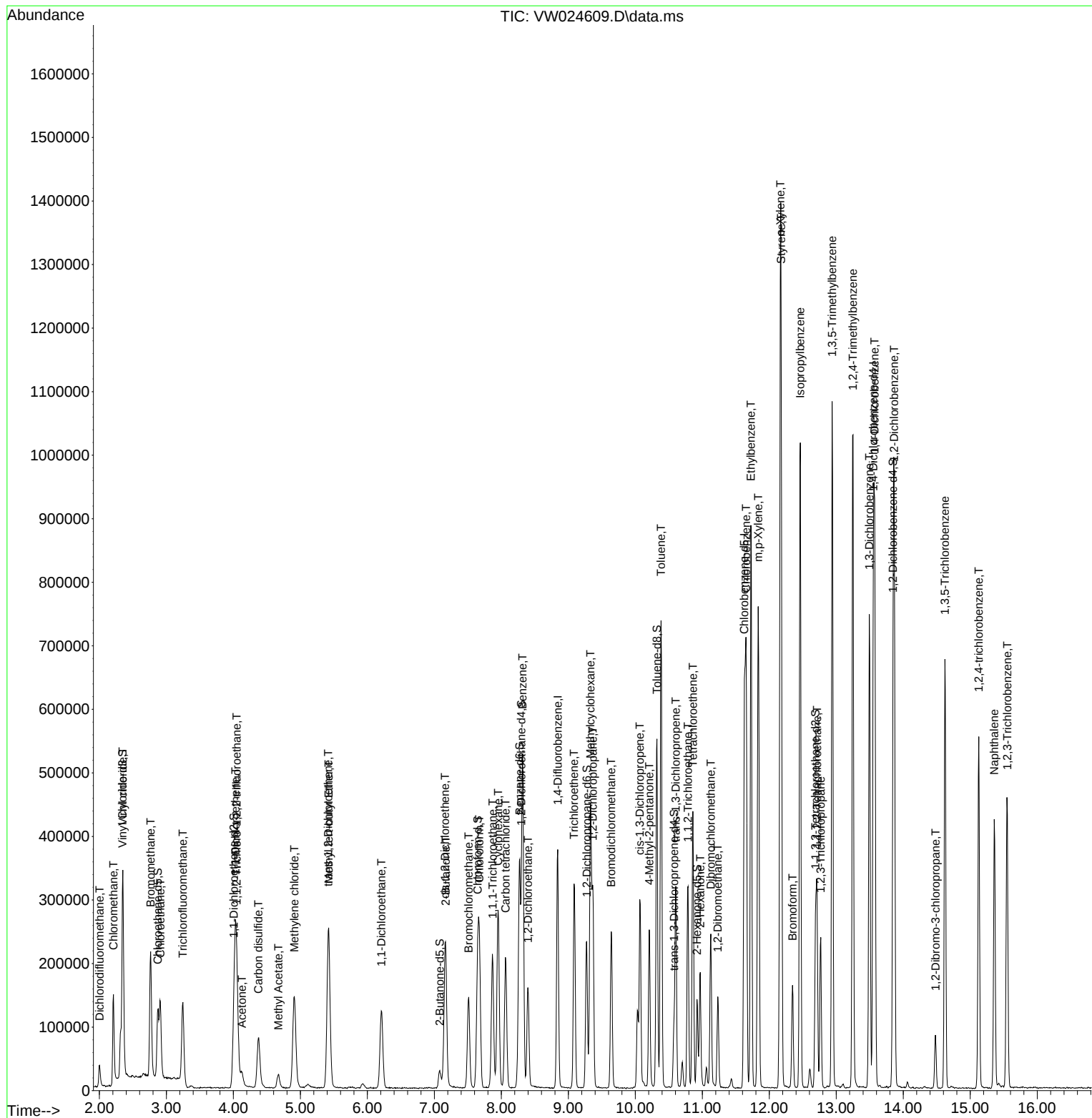
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 141901   | 26.536 | ug/L   | 100      |
| 29) Cyclohexane               | 7.951  | 56   | 141695   | 22.630 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 153856   | 21.691 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.061  | 117  | 140410   | 21.674 | ug/L   | 96       |
| 33) Benzene                   | 8.317  | 78   | 439808   | 23.959 | ug/L   | 100      |
| 34) Trichloroethene           | 9.085  | 95   | 106971   | 22.312 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.329  | 83   | 174185   | 22.709 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 108015   | 23.560 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.640  | 83   | 158300   | 24.430 | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 10.067 | 75   | 163219   | 24.349 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 152663   | 50.479 | ug/L   | 100      |
| 42) Toluene                   | 10.384 | 91   | 528527   | 26.116 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 162883   | 25.725 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 96692    | 25.235 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.860 | 164  | 85925    | 24.324 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.969 | 43   | 112991   | 54.481 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 120016   | 26.794 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 90578    | 24.357 | ug/L # | 82       |
| 51) Chlorobenzene             | 11.652 | 112  | 345314   | 24.699 | ug/L   | 89       |
| 52) Ethylbenzene              | 11.725 | 91   | 611971   | 26.634 | ug/L   | 95       |
| 53) m,p-Xylene                | 11.835 | 106  | 242969   | 27.066 | ug/L   | 92       |
| 54) o-Xylene                  | 12.164 | 106  | 233916   | 27.369 | ug/L   | 98       |
| 55) Styrene                   | 12.176 | 104  | 429446   | 28.545 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 129751   | 26.748 | ug/L   | 98       |
| 59) Bromoform                 | 12.347 | 173  | 67519    | 24.635 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 646761   | 25.333 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 92478    | 23.706 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 538497   | 25.400 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 551734   | 26.148 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 298536   | 25.952 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 296622   | 24.464 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 276263   | 25.753 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 20237    | 21.925 | ug/L   | 98       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 183921   | 24.616 | ug/L   | 93       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 153875   | 25.954 | ug/L   | 97       |
| 71) Naphthalene               | 15.359 | 128  | 348513   | 26.570 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 140876   | 25.541 | ug/L   | 95       |

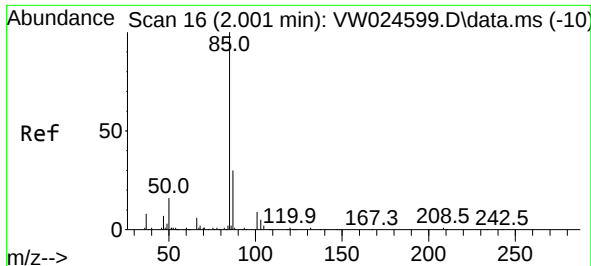
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QLast Update : Tue Sep 13 02:43:10 2022  
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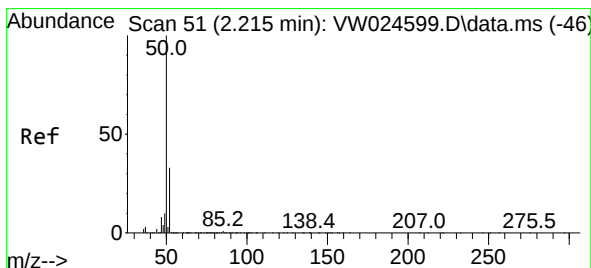
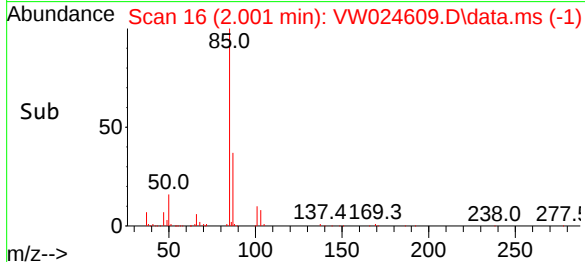
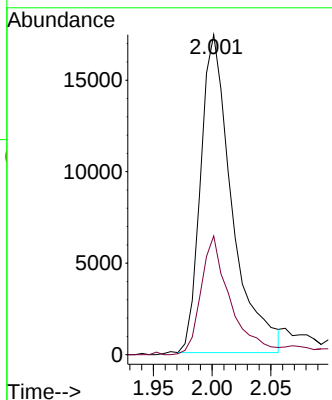
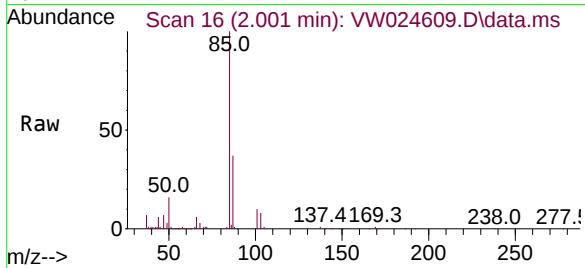




#2  
 Dichlorodifluoromethane  
 Concen: 22.434 ug/L  
 RT: 2.001 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: VW024609.D  
 Acq: 13 Sep 2022 16:50

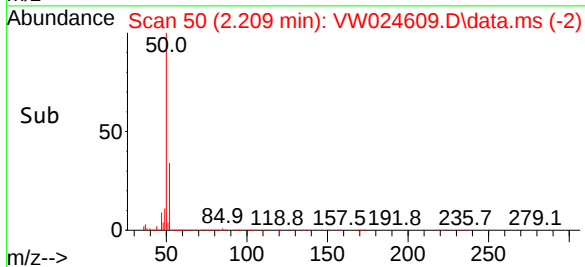
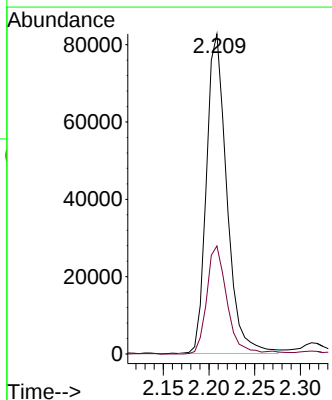
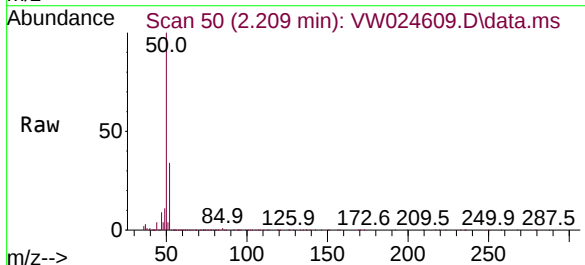
Instrument :  
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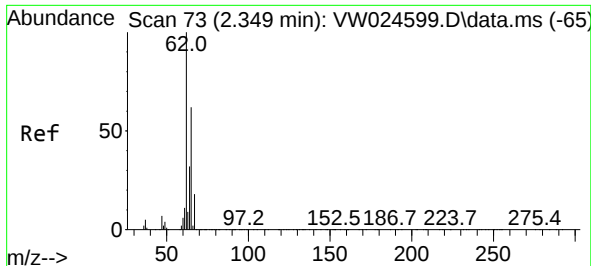
Tgt Ion: 85 Resp: 32294  
 Ion Ratio Lower Upper  
 85 100  
 87 35.0 24.2 36.2



#3  
 Chloromethane  
 Concen: 28.661 ug/L  
 RT: 2.209 min Scan# 50  
 Delta R.T. -0.006 min  
 Lab File: VW024609.D  
 Acq: 13 Sep 2022 16:50

Tgt Ion: 50 Resp: 128317  
 Ion Ratio Lower Upper  
 50 100  
 52 33.8 23.3 43.3

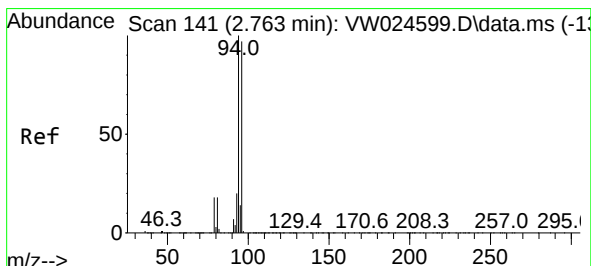
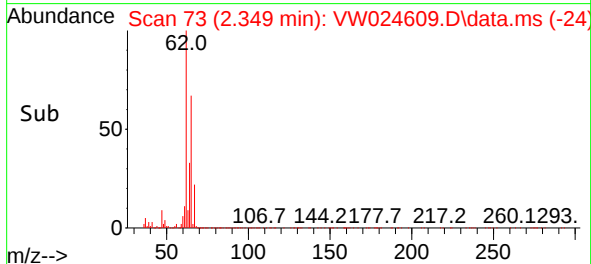
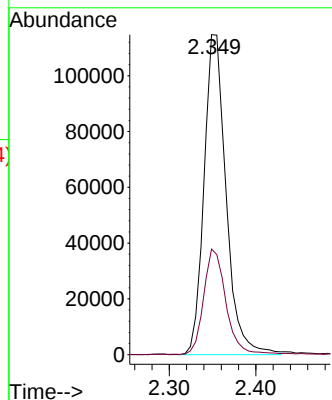
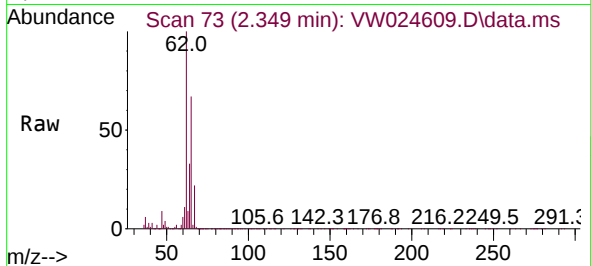




#5  
 Vinyl chloride  
 Concen: 26.949 ug/L  
 RT: 2.349 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VW024609.D  
 Acq: 13 Sep 2022 16:50

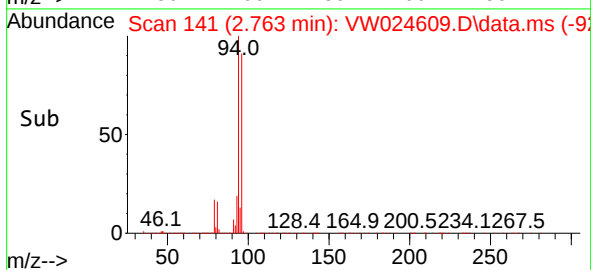
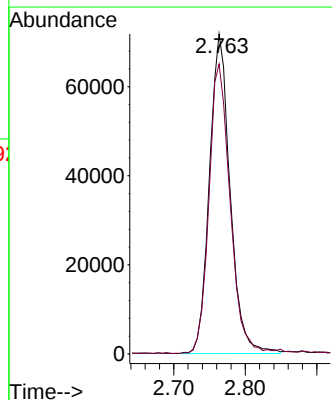
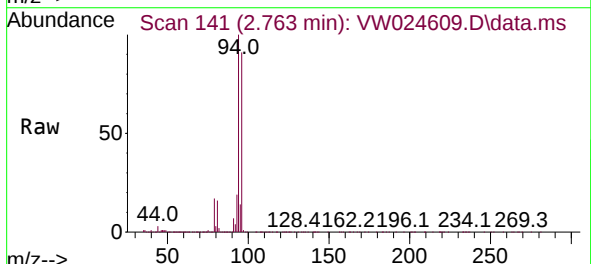
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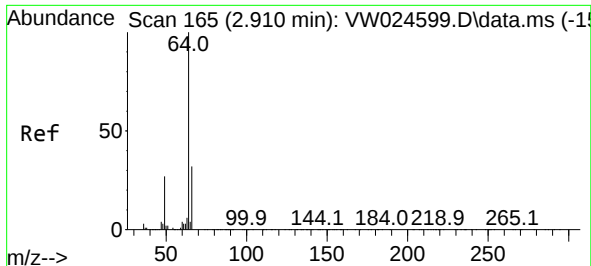
Tgt Ion: 62 Resp: 203406  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 23.3 43.3



#6  
 Bromomethane  
 Concen: 29.316 ug/L  
 RT: 2.763 min Scan# 141  
 Delta R.T. 0.000 min  
 Lab File: VW024609.D  
 Acq: 13 Sep 2022 16:50

Tgt Ion: 94 Resp: 144249  
 Ion Ratio Lower Upper  
 94 100  
 96 90.6 69.8 129.6

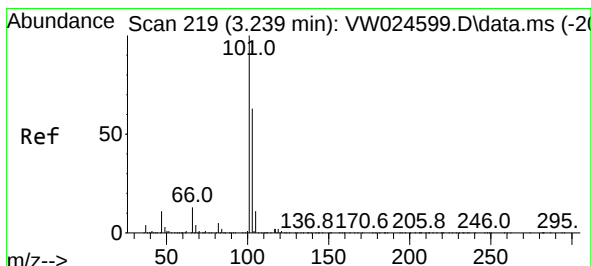
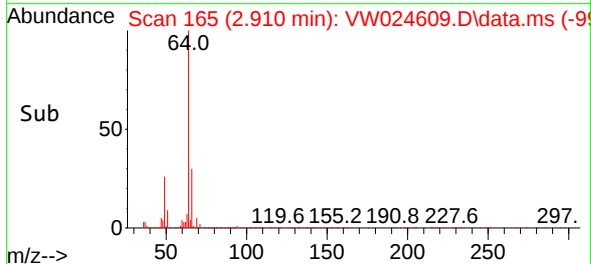
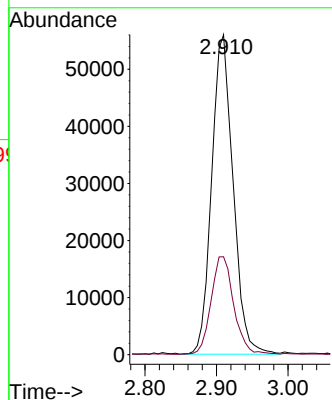
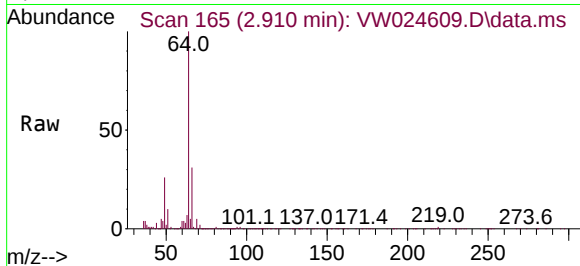




#8  
Chloroethane  
Concen: 28.329 ug/L  
RT: 2.910 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

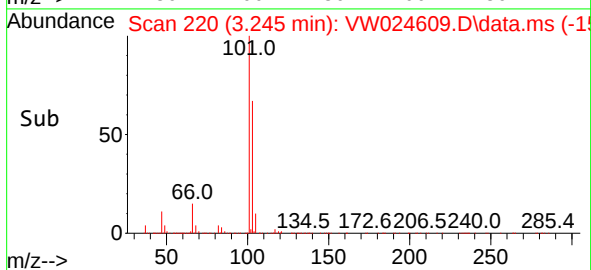
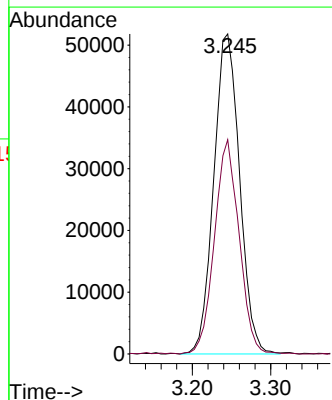
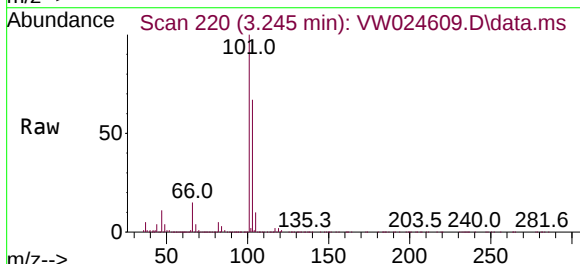
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MSVOA\_W  
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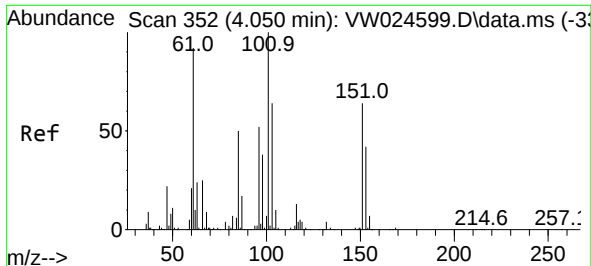
Tgt Ion: 64 Resp: 116327  
Ion Ratio Lower Upper  
64 100  
66 30.6 23.7 44.1



#9  
Trichlorofluoromethane  
Concen: 27.244 ug/L  
RT: 3.245 min Scan# 220  
Delta R.T. 0.006 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

Tgt Ion: 101 Resp: 118882  
Ion Ratio Lower Upper  
101 100  
103 63.8 52.5 78.7

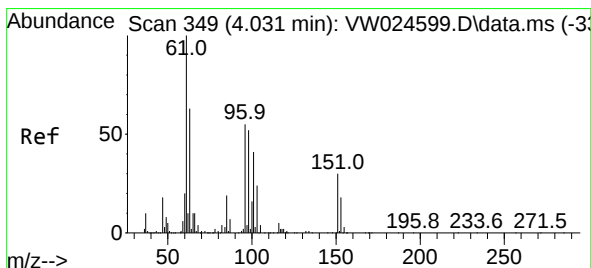
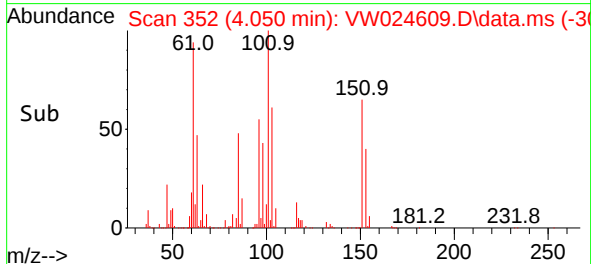
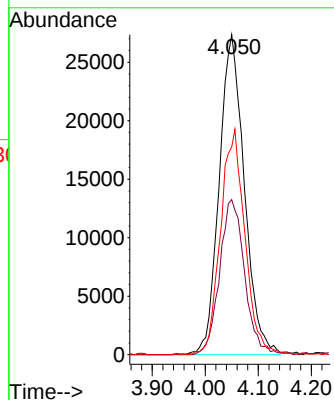
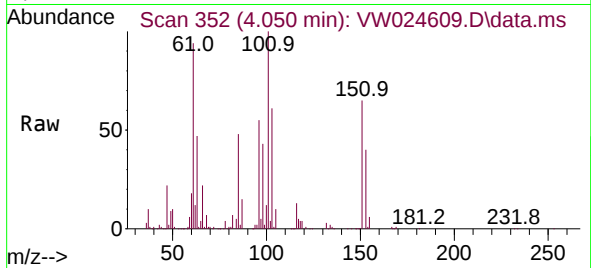




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 22.359 ug/L  
 RT: 4.050 min Scan# 352  
 Delta R.T. 0.000 min  
 Lab File: VW024609.D  
 Acq: 13 Sep 2022 16:50

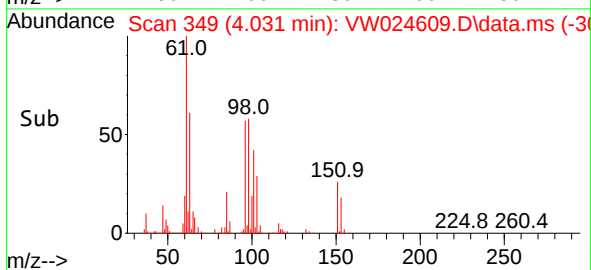
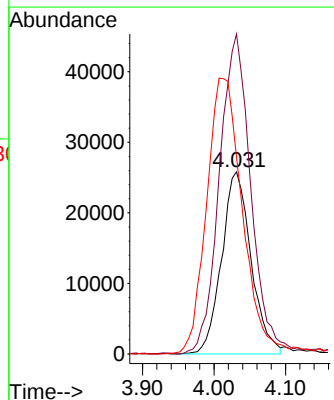
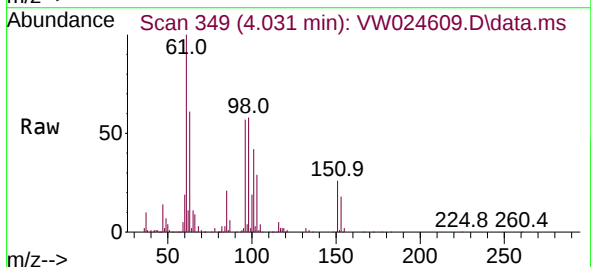
Instrument :  
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 ClientSampleId :

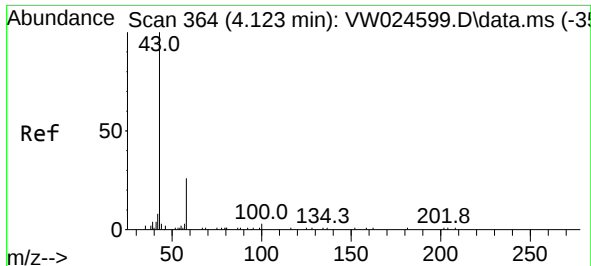
Tgt Ion: 101 Resp: 89894  
 Ion Ratio Lower Upper  
 101 100  
 85 47.4 21.8 32.8#  
 151 68.2 53.9 80.9



#12  
 1,1-Dichloroethene  
 Concen: 21.489 ug/L  
 RT: 4.031 min Scan# 349  
 Delta R.T. 0.000 min  
 Lab File: VW024609.D  
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Tgt Ion: 96 Resp: 73845  
 Ion Ratio Lower Upper  
 96 100  
 61 175.7 119.8 222.6  
 63 108.0 89.6 166.4

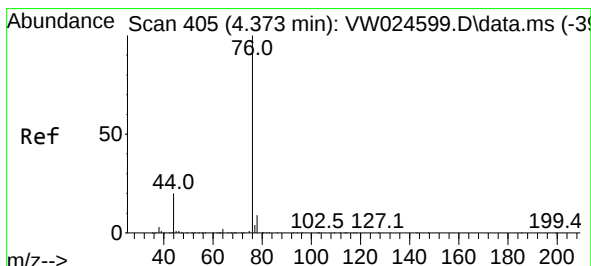
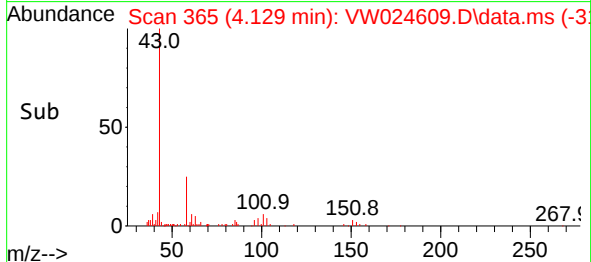
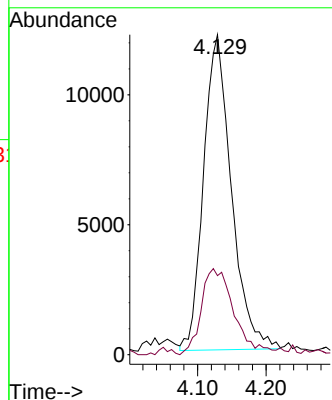
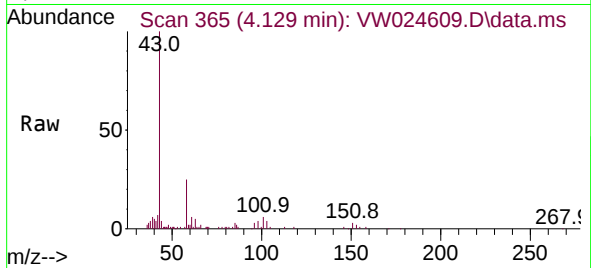




#13  
Acetone  
Concen: 40.218 ug/L  
RT: 4.129 min Scan# 364  
Delta R.T. 0.006 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

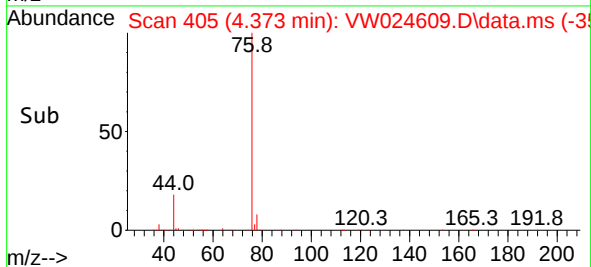
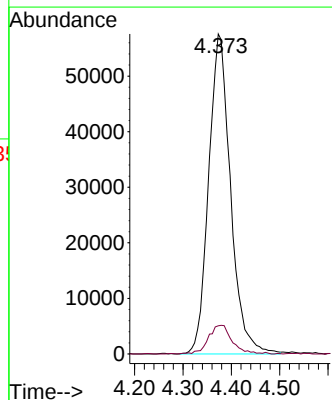
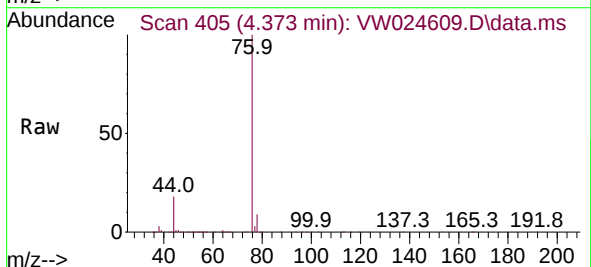
Instrument :  
MSVOA\_W  
ClientSampleId :

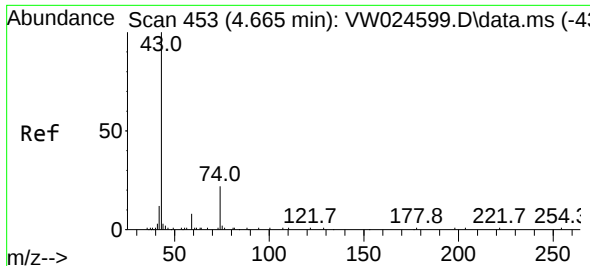
Tgt Ion: 43 Resp: 34257  
Ion Ratio Lower Upper  
43 100  
58 30.7 0.0 57.8



#14  
Carbon disulfide  
Concen: 19.912 ug/L  
RT: 4.373 min Scan# 405  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

Tgt Ion: 76 Resp: 181050  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.5 11.3

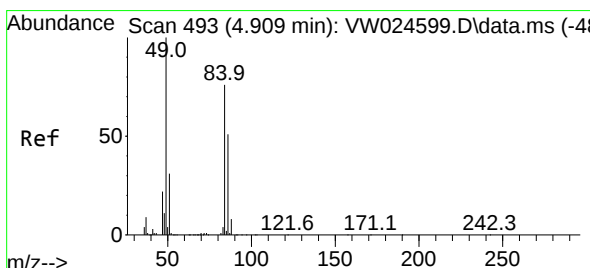
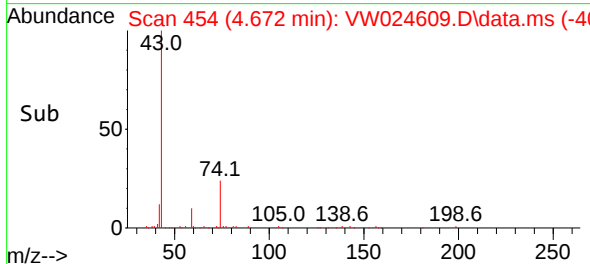
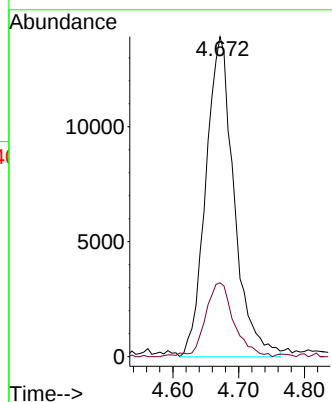
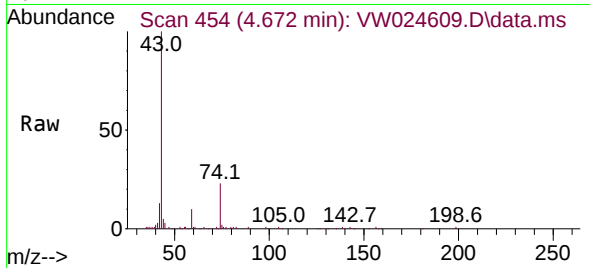




#15  
Methyl Acetate  
Concen: 23.058 ug/L  
RT: 4.672 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

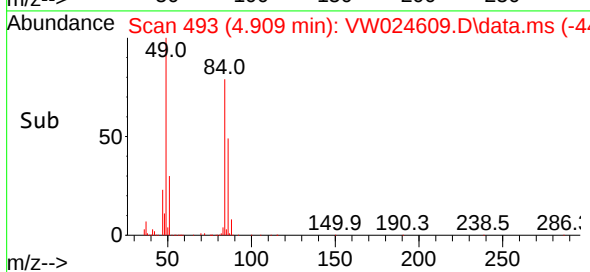
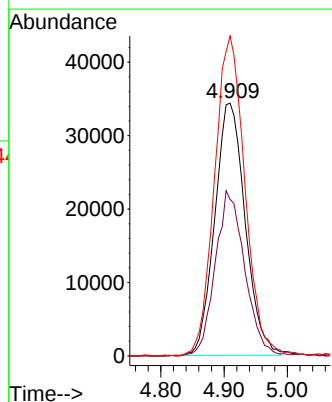
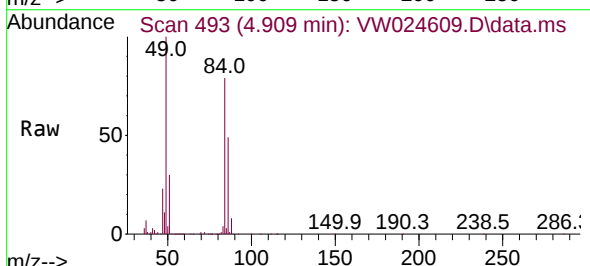
Instrument :  
MSVOA\_W  
ClientSampleId :

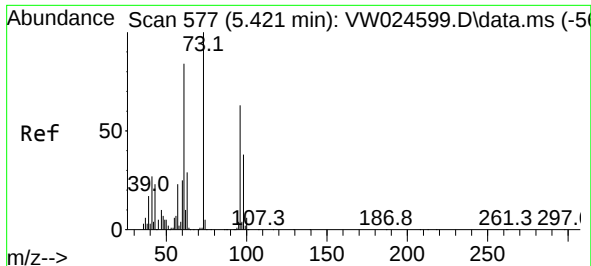
Tgt Ion: 43 Resp: 41512  
Ion Ratio Lower Upper  
43 100  
74 22.7 19.9 29.9



#16  
Methylene chloride  
Concen: 25.611 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

Tgt Ion: 84 Resp: 114866  
Ion Ratio Lower Upper  
84 100  
86 61.9 44.4 82.5  
49 126.6 88.5 164.3

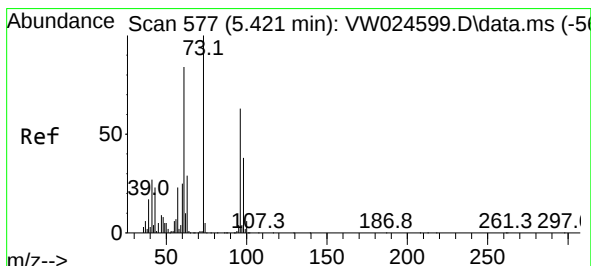
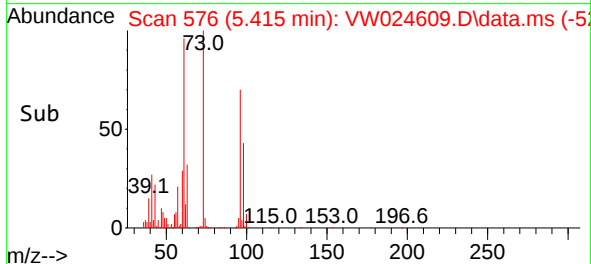
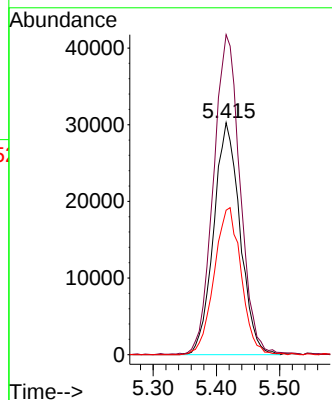
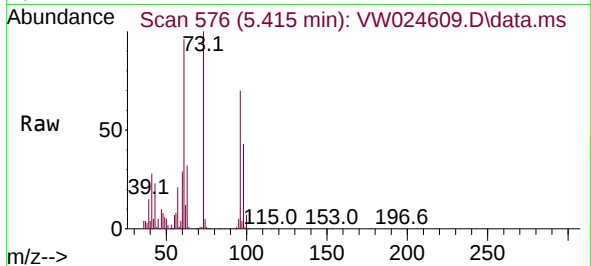




#17  
trans-1,2-Dichloroethene  
Concen: 22.230 ug/L  
RT: 5.415 min Scan# 576  
Delta R.T. -0.006 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

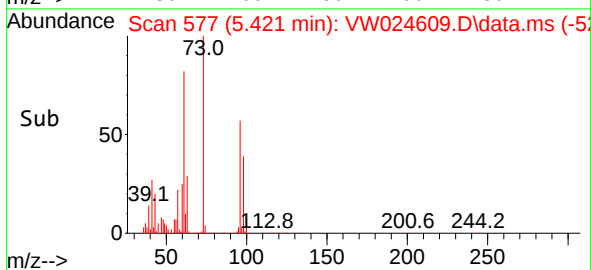
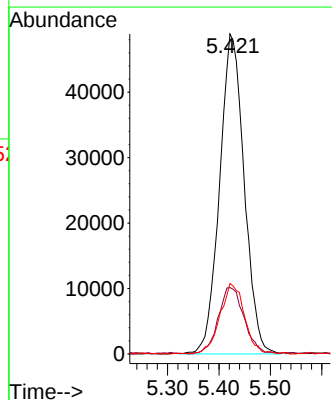
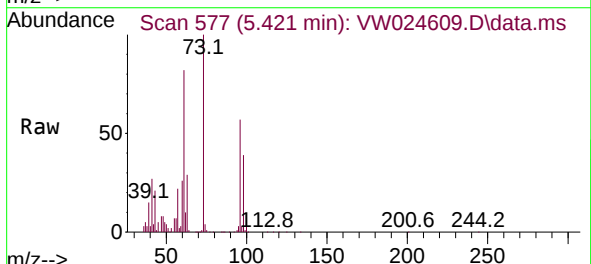
Instrument :  
MSVOA\_W  
ClientSampleId :

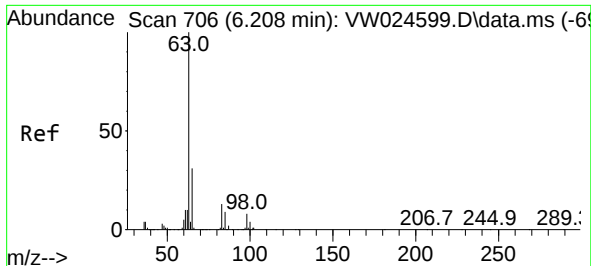
Tgt Ion: 96 Resp: 87503  
Ion Ratio Lower Upper  
96 100  
61 137.9 91.7 170.3  
98 62.3 43.6 81.0



#18  
Methyl tert-butyl Ether  
Concen: 23.176 ug/L  
RT: 5.421 min Scan# 577  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

Tgt Ion: 73 Resp: 162467  
Ion Ratio Lower Upper  
73 100  
43 21.7 16.7 25.1  
57 21.7 16.8 25.2





#19

1,1-Dichloroethane

Concen: 23.497 ug/L

RT: 6.208 min Scan# 706

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

Instrument :

MSVOA\_W

ClientSampleId :

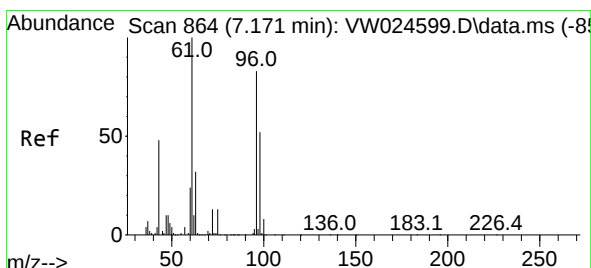
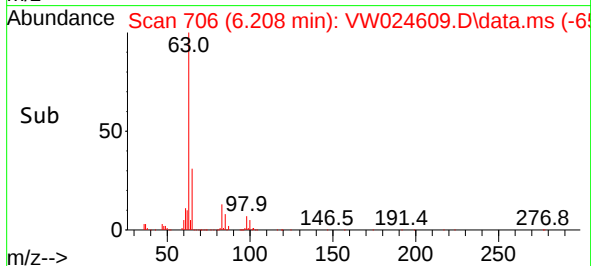
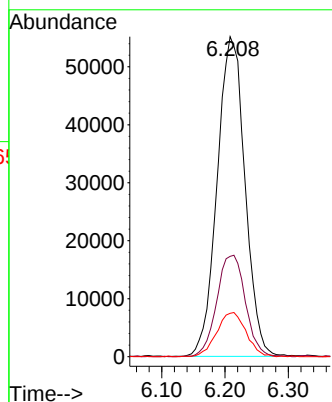
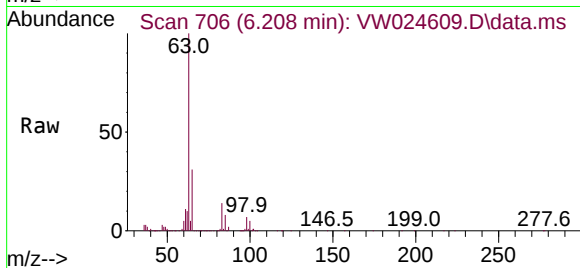
Tgt Ion: 63 Resp: 168281

Ion Ratio Lower Upper

63 100

65 31.3 22.0 41.0

83 13.6 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 23.412 ug/L

RT: 7.159 min Scan# 862

Delta R.T. -0.012 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

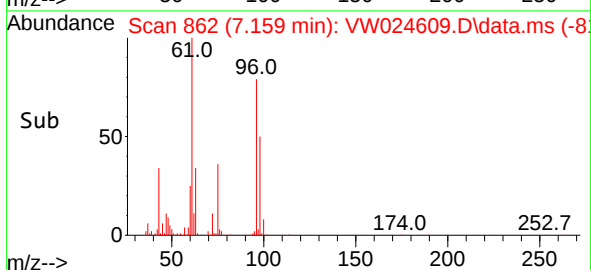
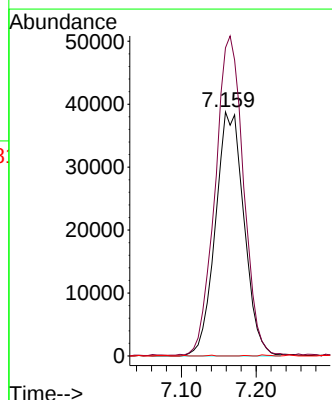
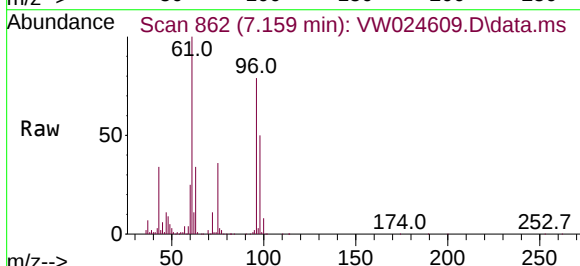
Tgt Ion: 96 Resp: 103401

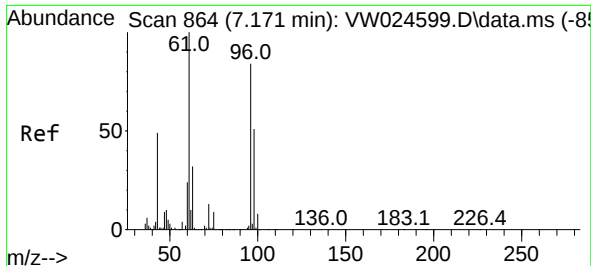
Ion Ratio Lower Upper

96 100

61 126.3 91.2 169.4

68 0.0 0.0 0.0

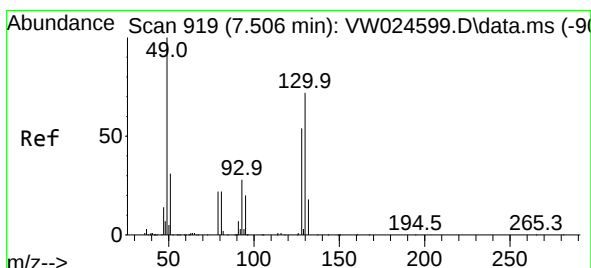
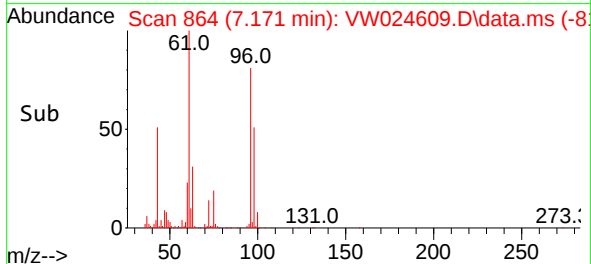
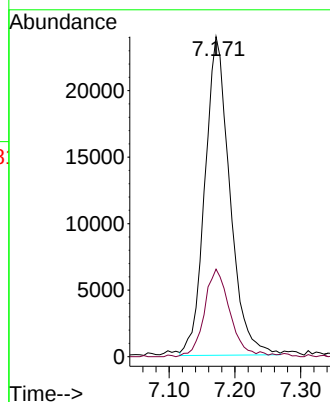
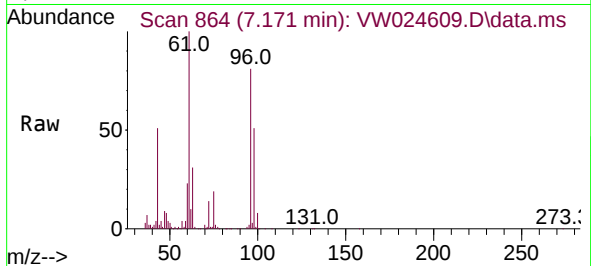




#22  
2-Butanone  
Concen: 45.962 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

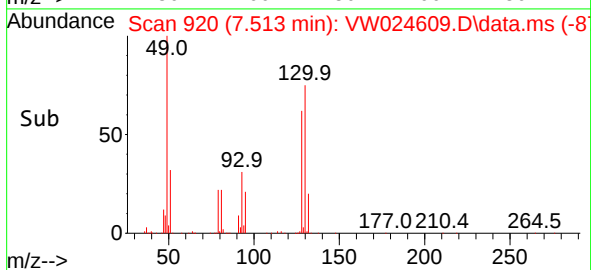
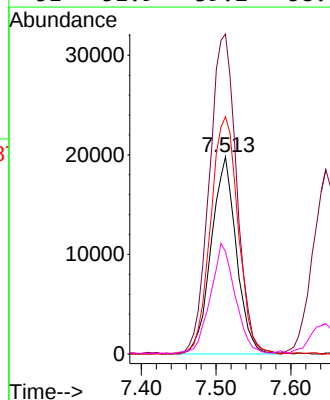
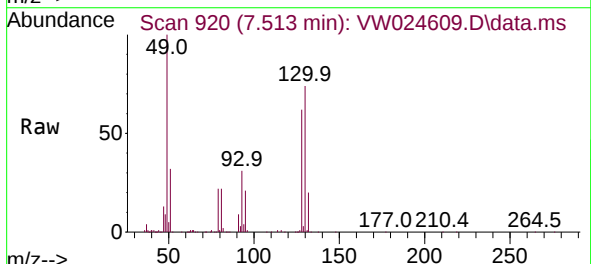
Instrument :  
MSVOA\_W  
ClientSampleId :

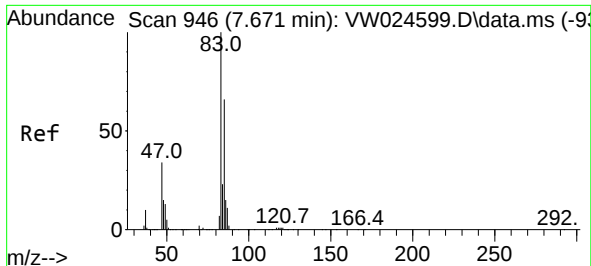
Tgt Ion: 43 Resp: 63325  
Ion Ratio Lower Upper  
43 100  
72 27.6 15.4 46.4



#23  
Bromochloromethane  
Concen: 22.871 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. 0.006 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

Tgt Ion: 128 Resp: 46246  
Ion Ratio Lower Upper  
128 100  
49 162.3 110.0 204.2  
130 120.3 88.3 163.9  
51 51.9 39.2 58.8

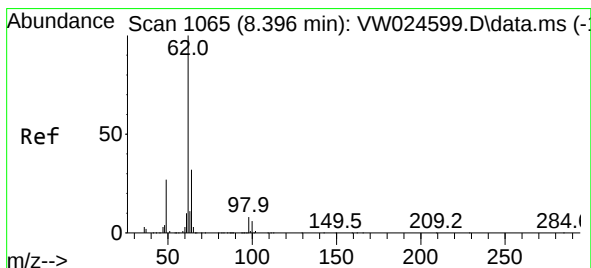
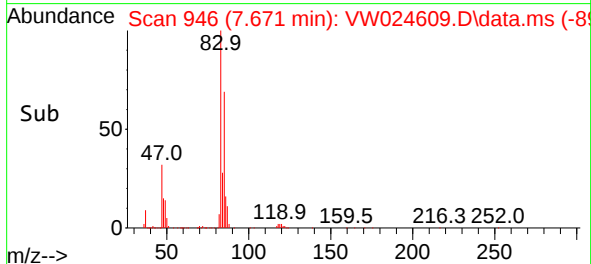
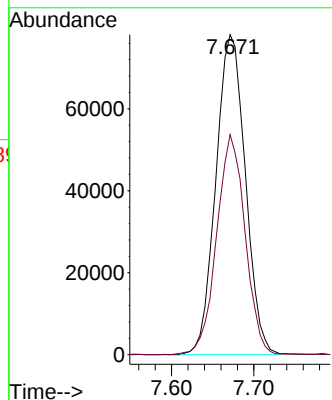
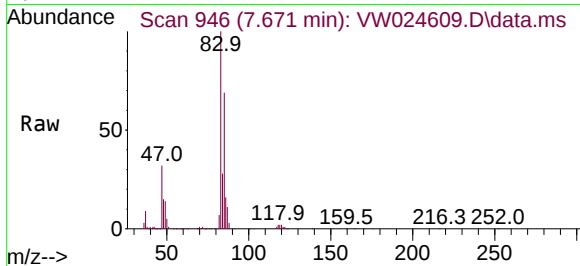




#25  
Chloroform  
Concen: 24.481 ug/L  
RT: 7.671 min Scan# 946  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

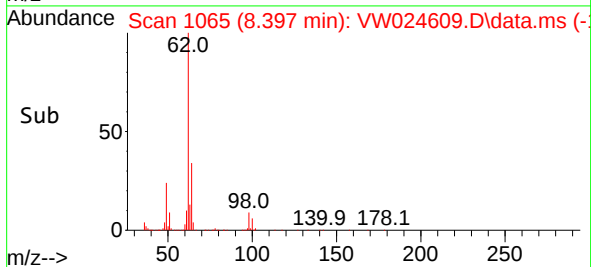
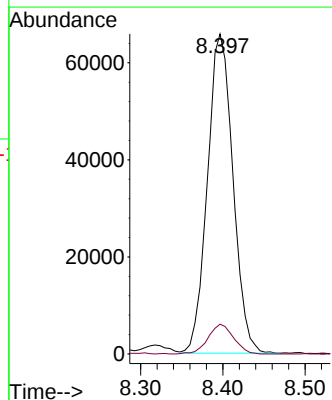
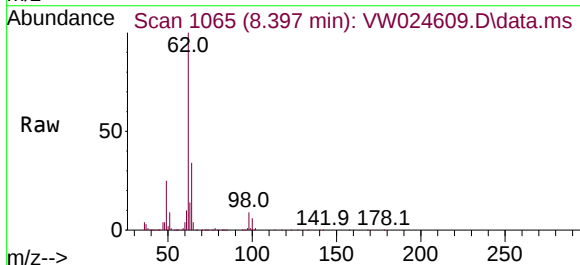
Instrument :  
MSVOA\_W  
ClientSampleId :

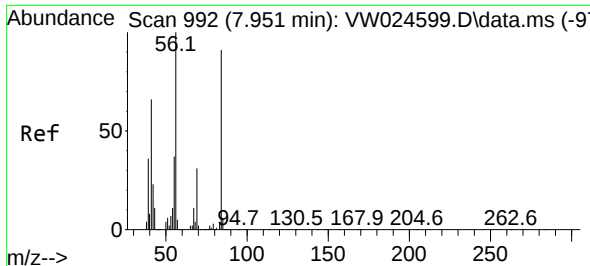
Tgt Ion: 83 Resp: 194762  
Ion Ratio Lower Upper  
83 100  
85 68.7 46.4 86.2



#27  
1,2-Dichloroethane  
Concen: 26.536 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

Tgt Ion: 62 Resp: 141901  
Ion Ratio Lower Upper  
62 100  
98 9.3 7.4 11.0

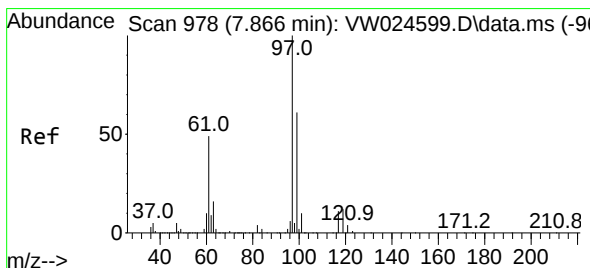
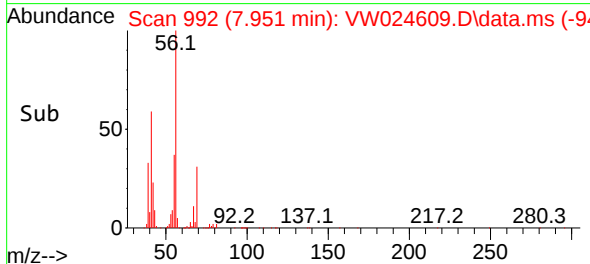
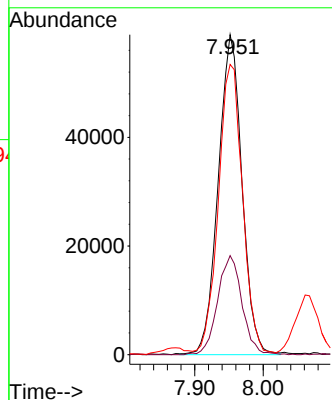
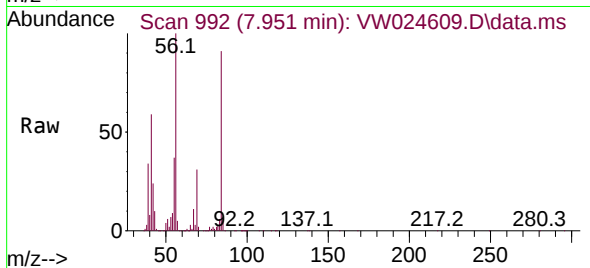




#29  
Cyclohexane  
Concen: 22.630 ug/L  
RT: 7.951 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

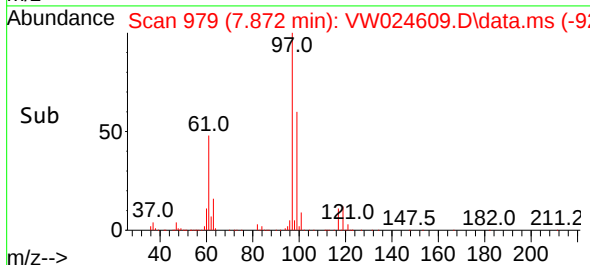
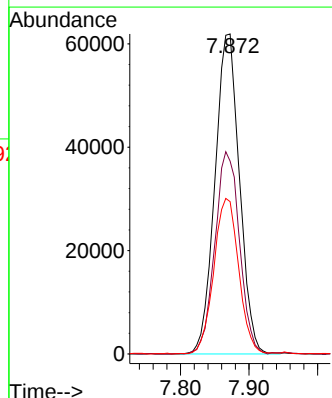
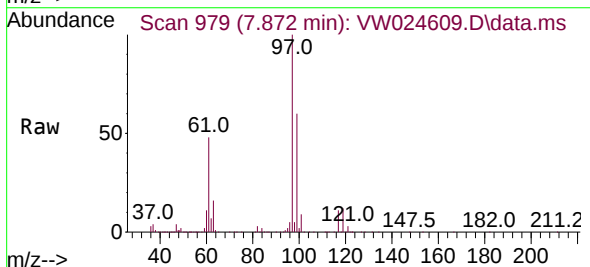
Instrument :  
MSVOA\_W  
ClientSampleId :

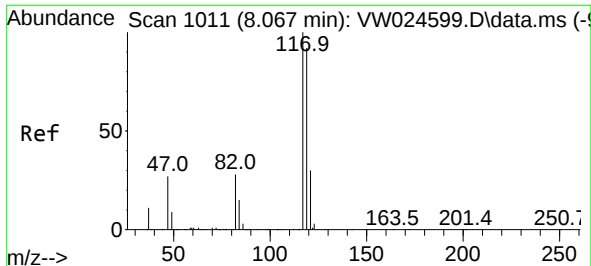
Tgt Ion: 56 Resp: 141695  
Ion Ratio Lower Upper  
56 100  
69 31.5 24.5 36.7  
84 92.6 75.7 113.5



#30  
1,1,1-Trichloroethane  
Concen: 21.691 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

Tgt Ion: 97 Resp: 153856  
Ion Ratio Lower Upper  
97 100  
99 63.4 51.5 77.3  
61 49.5 37.2 55.8

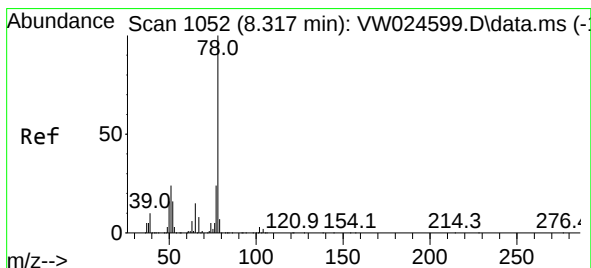
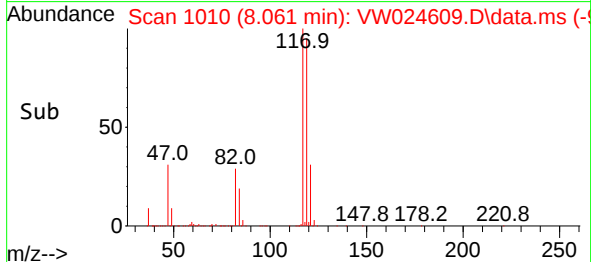
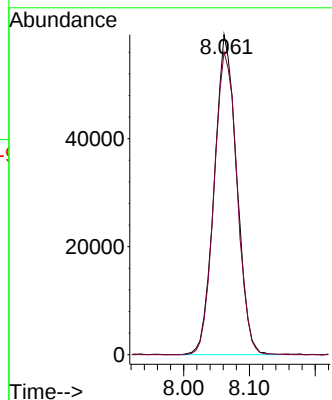
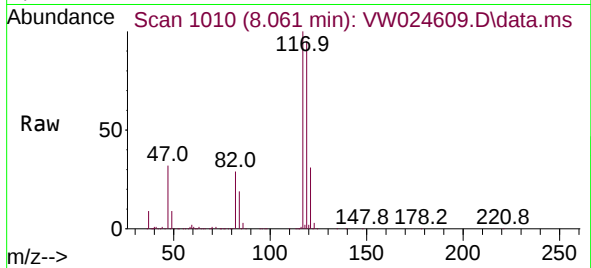




#31  
Carbon tetrachloride  
Concen: 21.674 ug/L  
RT: 8.061 min Scan# 1011  
Delta R.T. -0.006 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

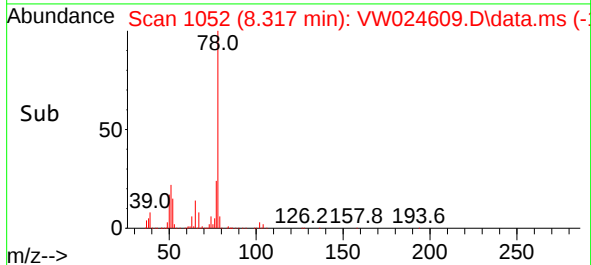
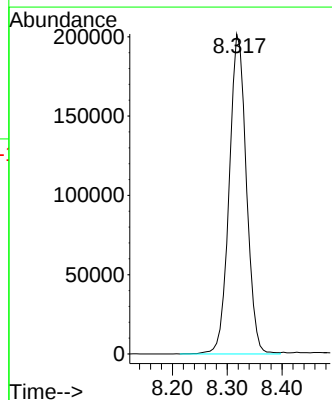
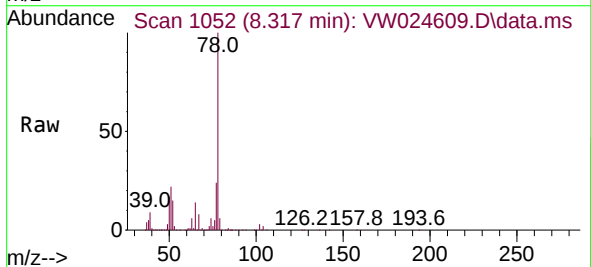
Instrument :  
MSVOA\_W  
ClientSampleId :

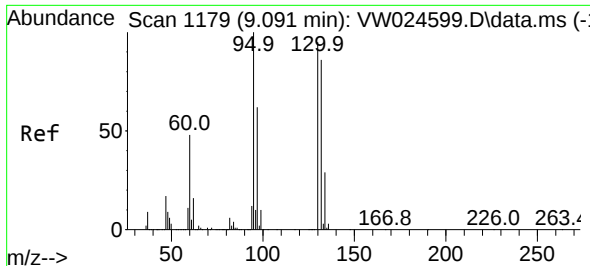
Tgt Ion:117 Resp: 140410  
Ion Ratio Lower Upper  
117 100  
119 97.1 74.4 111.6



#33  
Benzene  
Concen: 23.959 ug/L  
RT: 8.317 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

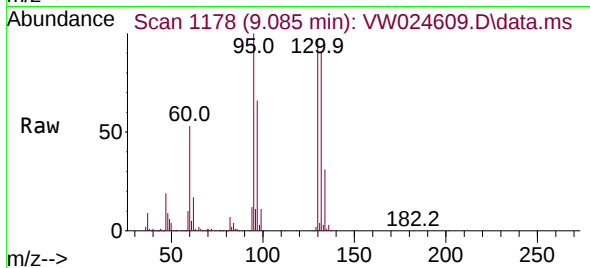
Tgt Ion: 78 Resp: 439808





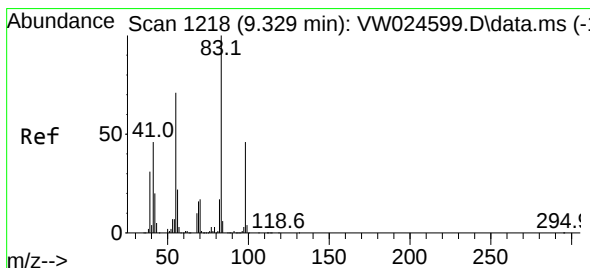
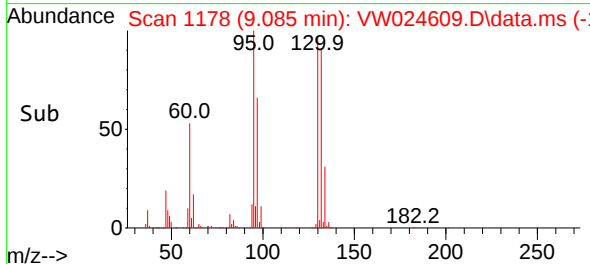
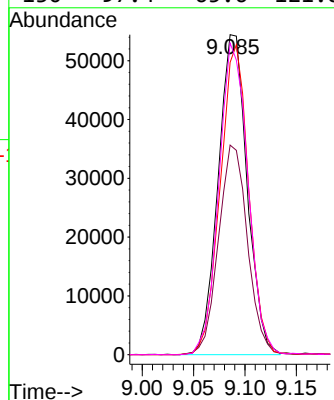
#34  
 Trichloroethene  
 Concen: 22.312 ug/L  
 RT: 9.085 min Scan# 1178  
 Delta R.T. -0.006 min  
 Lab File: VW024609.D  
 Acq: 13 Sep 2022 16:50

Instrument :  
 MSVOA\_W  
 ClientSampleId :



Tgt Ion: 95 Resp: 106971  

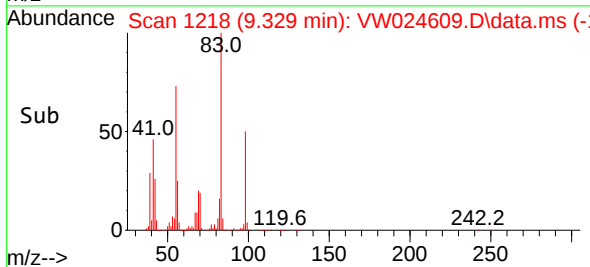
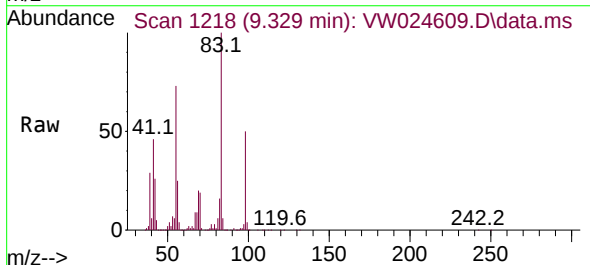
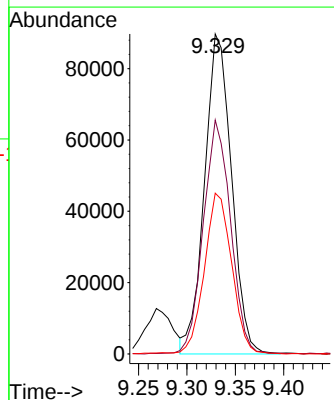
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.5  | 45.9  | 85.3  |
| 132 | 91.4  | 62.6  | 116.2 |
| 130 | 97.4  | 65.6  | 121.8 |

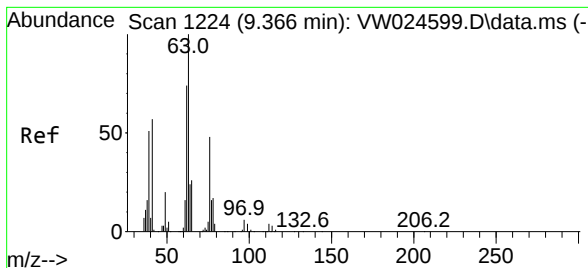


#35  
 Methylcyclohexane  
 Concen: 22.709 ug/L  
 RT: 9.329 min Scan# 1218  
 Delta R.T. 0.000 min  
 Lab File: VW024609.D  
 Acq: 13 Sep 2022 16:50

Tgt Ion: 83 Resp: 174185  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 73.3  | 57.3  | 85.9  |
| 98  | 50.8  | 40.4  | 60.6  |





#37

1,2-Dichloropropane

Concen: 23.560 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

Instrument :

MSVOA\_W

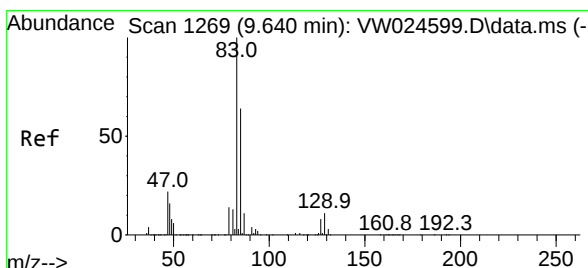
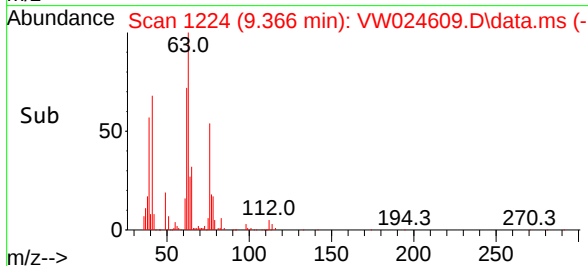
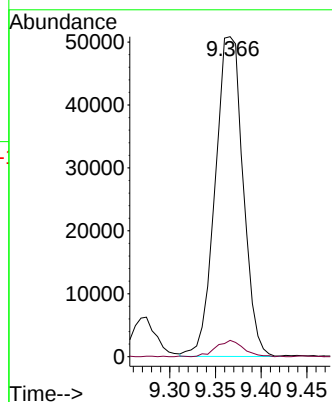
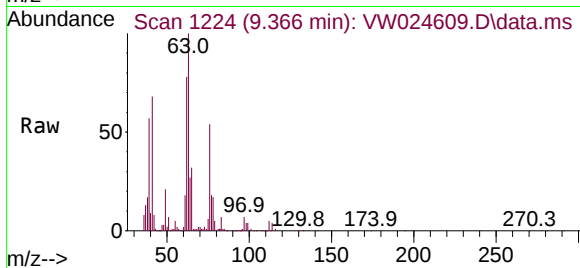
ClientSampleId :

Tgt Ion: 63 Resp: 108015

Ion Ratio Lower Upper

63 100

112 5.0 3.9 5.9



#38

Bromodichloromethane

Concen: 24.430 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

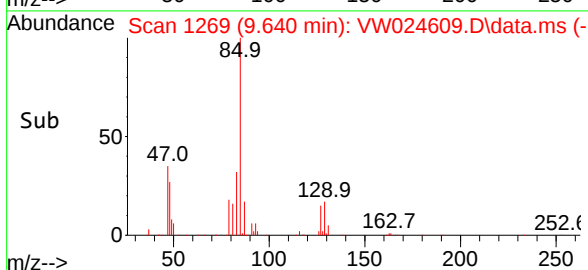
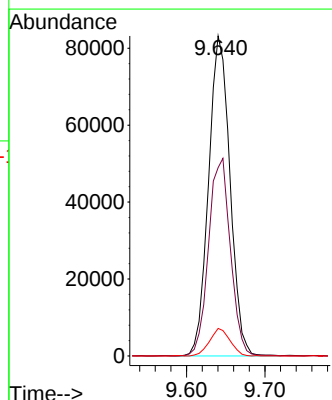
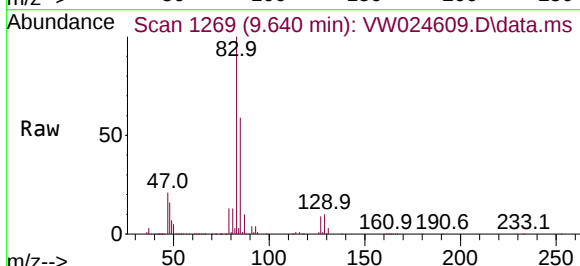
Tgt Ion: 83 Resp: 158300

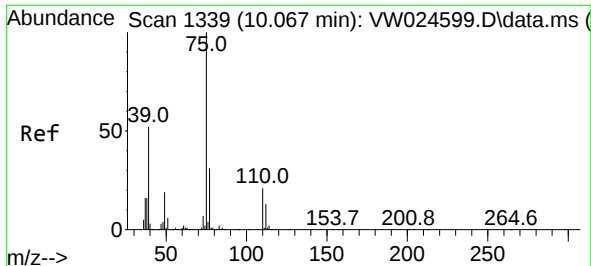
Ion Ratio Lower Upper

83 100

85 58.9 45.1 83.9

127 8.6 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 24.349 ug/L

RT: 10.067 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

Instrument :

MSVOA\_W

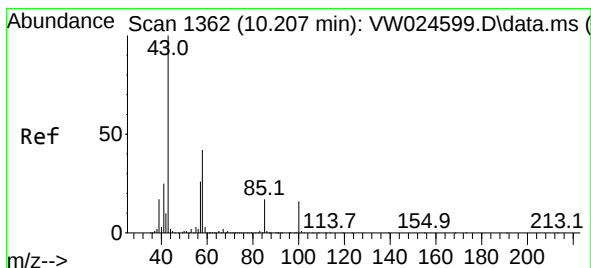
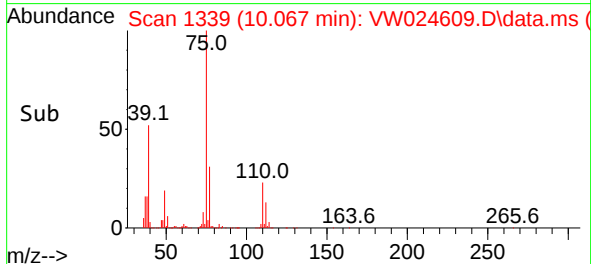
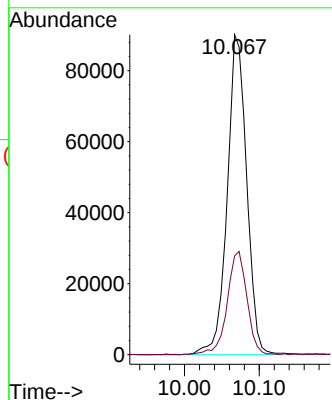
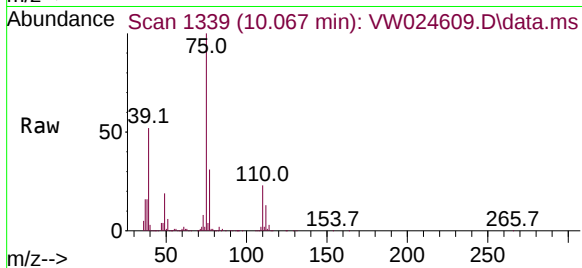
ClientSampleId :

Tgt Ion: 75 Resp: 163219

Ion Ratio Lower Upper

75 100

77 30.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 50.479 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

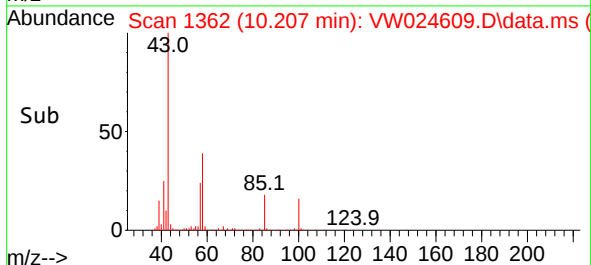
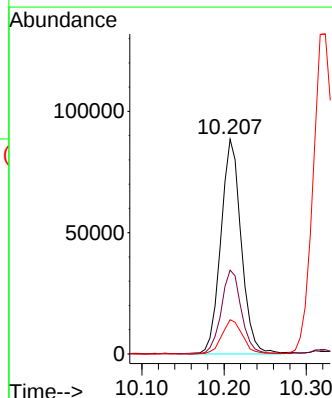
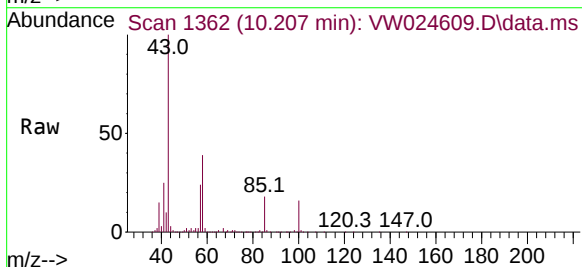
Tgt Ion: 43 Resp: 152663

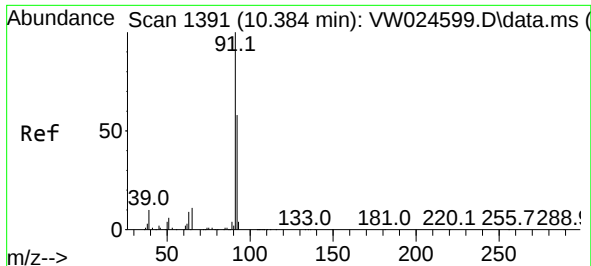
Ion Ratio Lower Upper

43 100

58 38.8 30.9 46.3

100 16.2 13.3 19.9

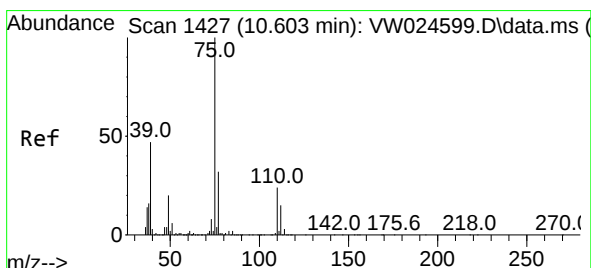
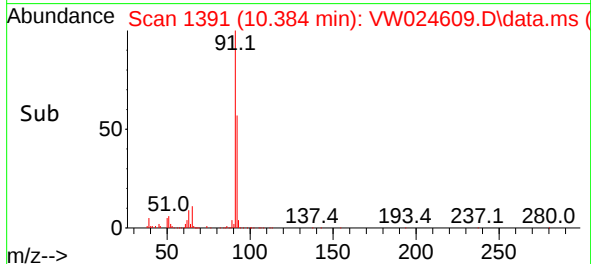
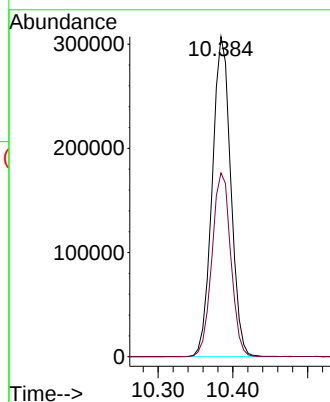
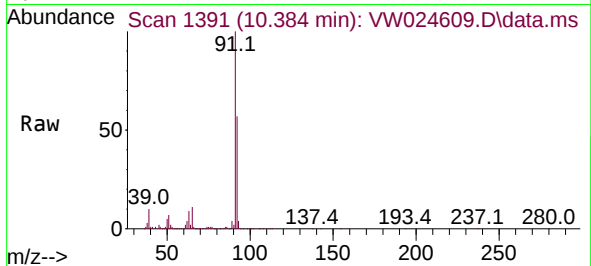




#42  
Toluene  
Concen: 26.116 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

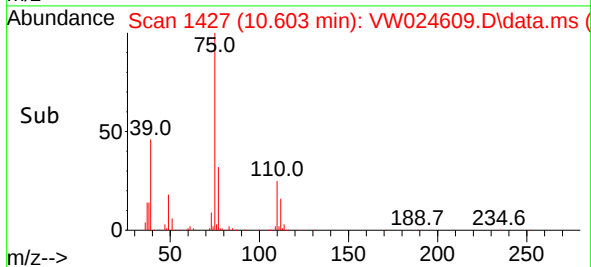
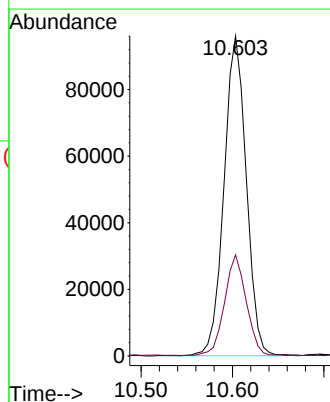
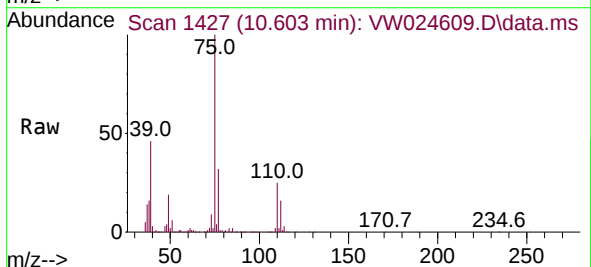
Instrument :  
MSVOA\_W  
ClientSampleId :

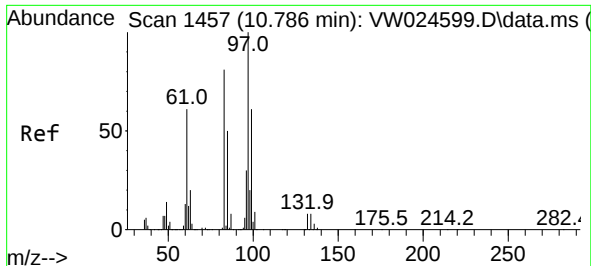
Tgt Ion: 91 Resp: 528527  
Ion Ratio Lower Upper  
91 100  
92 57.5 40.8 75.8



#44  
trans-1,3-Dichloropropene  
Concen: 25.725 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

Tgt Ion: 75 Resp: 162883  
Ion Ratio Lower Upper  
75 100  
77 31.6 21.8 40.4

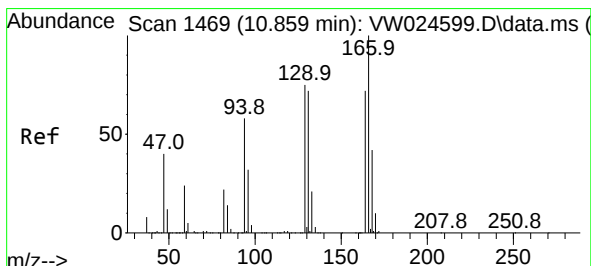
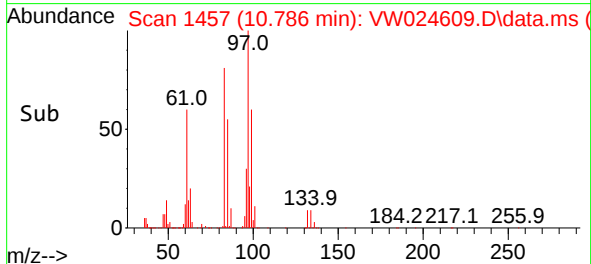
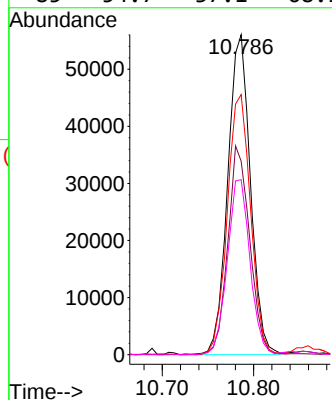
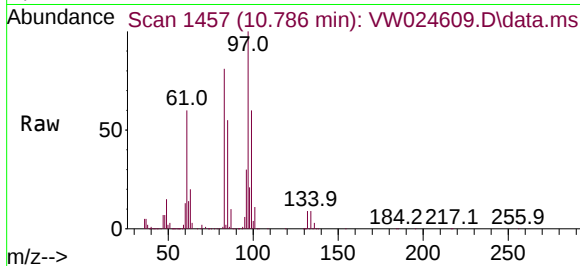




#45  
1,1,2-Trichloroethane  
Concen: 25.235 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

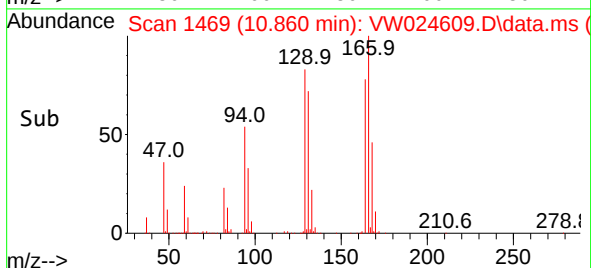
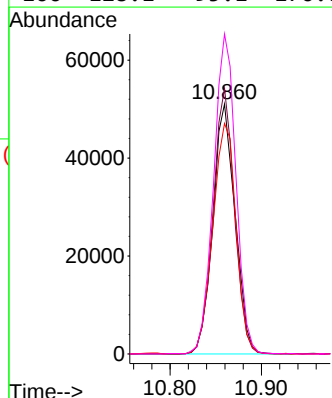
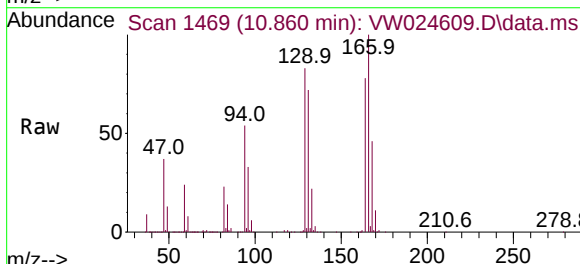
Instrument :  
MSVOA\_W  
ClientSampleId :

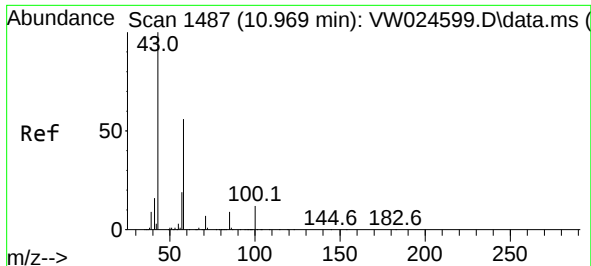
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 96692 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.4  | 41.9  | 77.9  |
| 83       | 81.3  | 58.2  | 108.0 |
| 85       | 54.7  | 37.1  | 68.9  |



#46  
Tetrachloroethene  
Concen: 24.324 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 85925 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 106.3 | 75.0  | 139.2 |
| 131      | 92.3  | 70.1  | 130.1 |
| 166      | 128.1 | 95.1  | 176.7 |

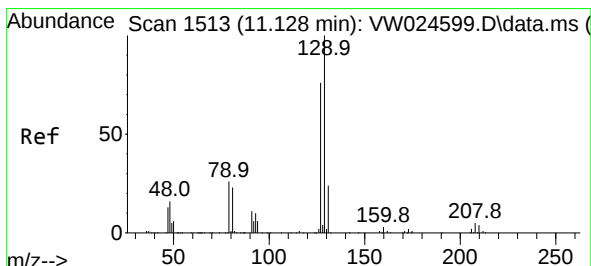
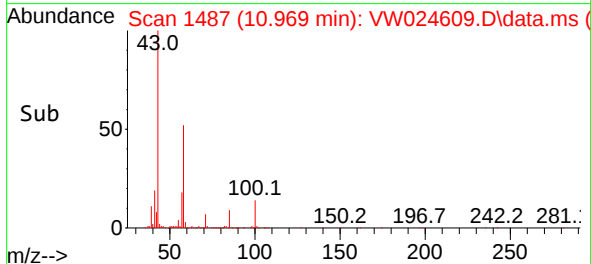
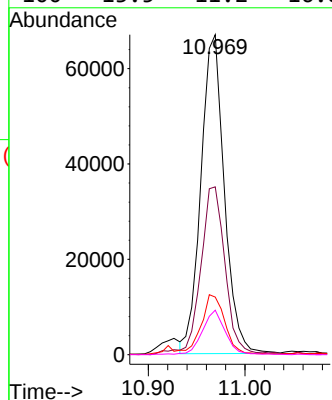
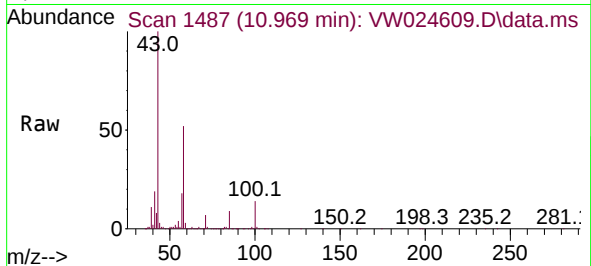




#48  
2-Hexanone  
Concen: 54.481 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

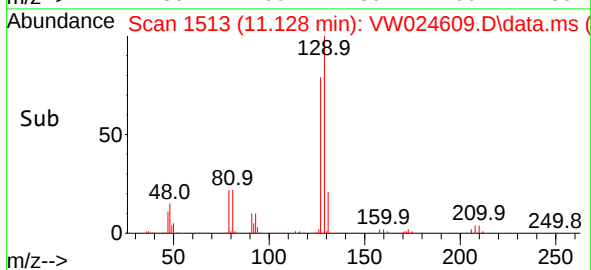
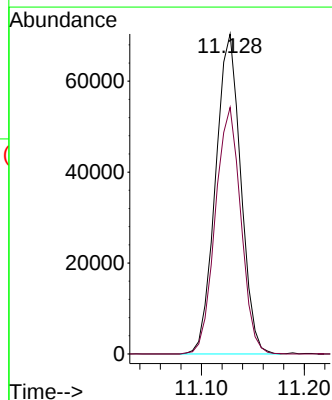
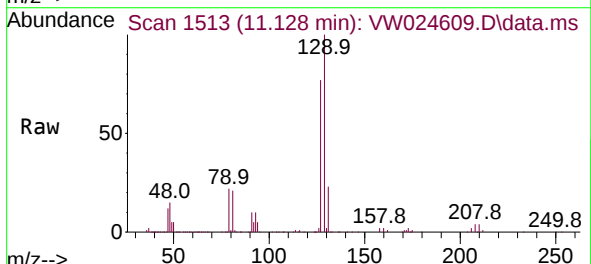
Instrument :  
MSVOA\_W  
ClientSampleId :

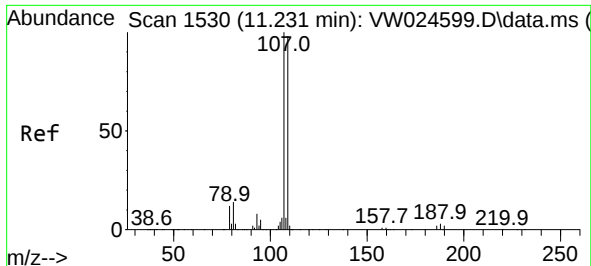
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 112991 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 53.9  | 43.7  | 65.5   |
| 57       | 18.9  | 15.3  | 22.9   |
| 100      | 13.5  | 11.2  | 16.8   |



#49  
Dibromochloromethane  
Concen: 26.794 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 120016 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 77.1  | 56.1  | 104.1  |





#50

1,2-Dibromoethane

Concen: 24.357 ug/L

RT: 11.231 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024609.D

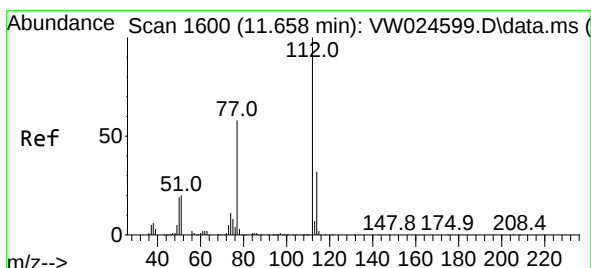
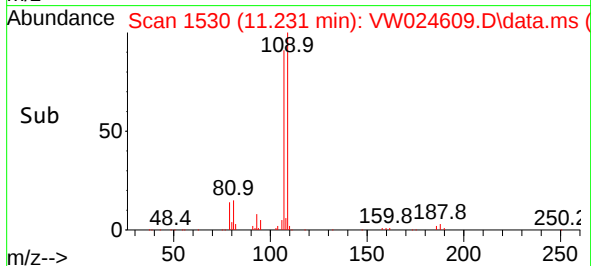
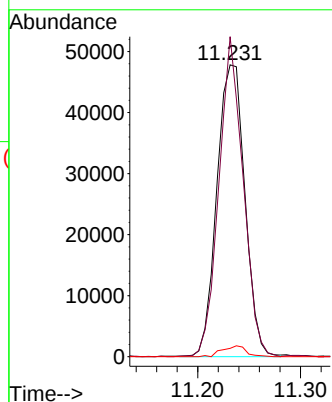
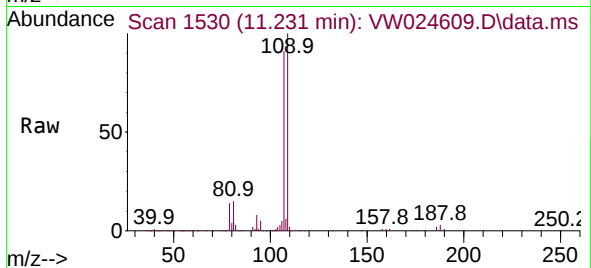
Acq: 13 Sep 2022 16:50

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 90578      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 109.6 | 64.5 119.9 |
| 188         | 2.9   | 3.0 4.4#   |



#51

Chlorobenzene

Concen: 24.699 ug/L

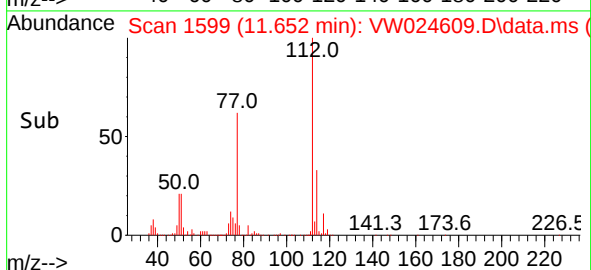
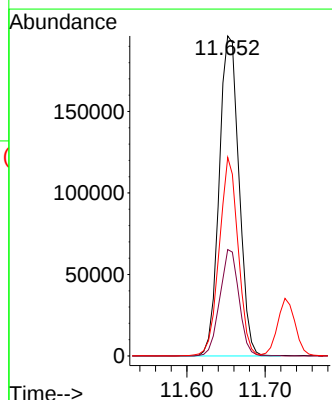
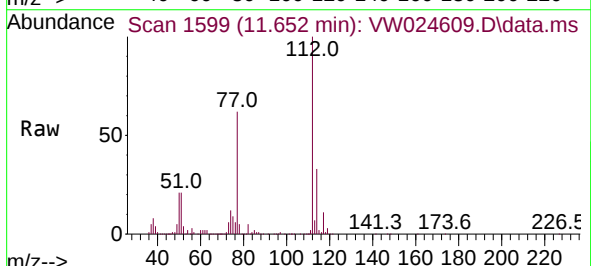
RT: 11.652 min Scan# 1599

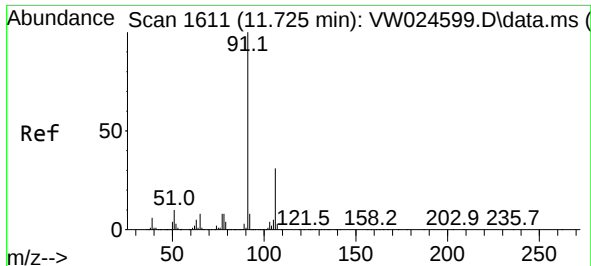
Delta R.T. -0.006 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 345314    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 33.2  | 20.0 37.2 |
| 77          | 62.0  | 42.6 63.8 |

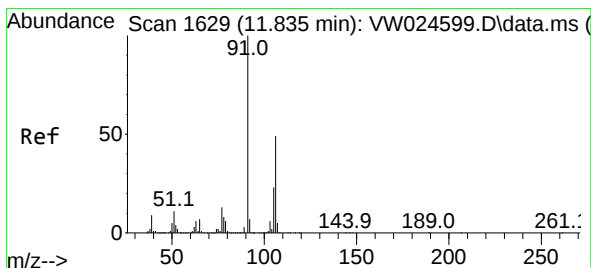
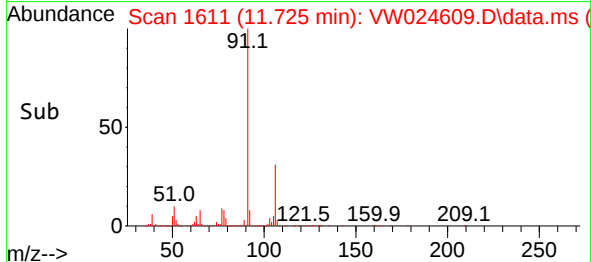
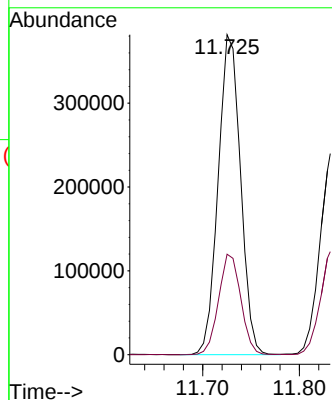
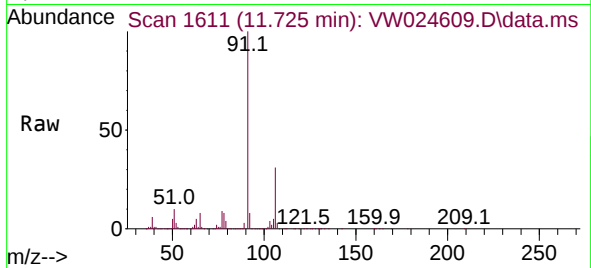




#52  
Ethylbenzene  
Concen: 26.634 ug/L  
RT: 11.725 min Scan# 1611  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

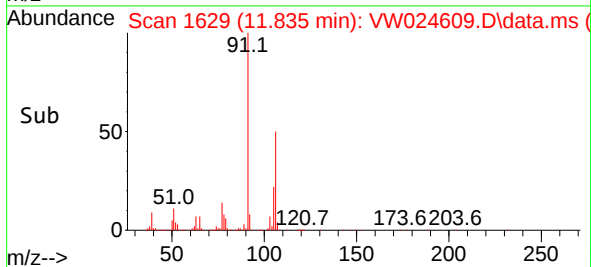
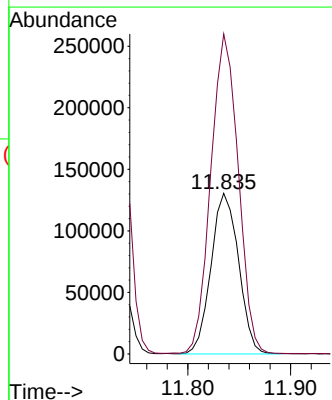
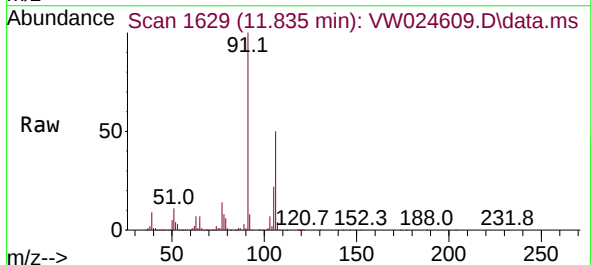
Instrument :  
MSVOA\_W  
ClientSampleId :

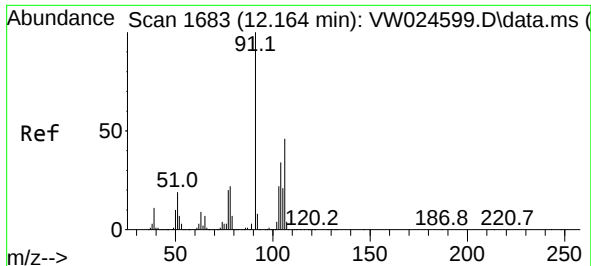
Tgt Ion: 91 Resp: 611971  
Ion Ratio Lower Upper  
91 100  
106 31.4 23.8 44.2



#53  
m,p-Xylene  
Concen: 27.066 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

Tgt Ion:106 Resp: 242969  
Ion Ratio Lower Upper  
106 100  
91 199.3 131.3 243.8

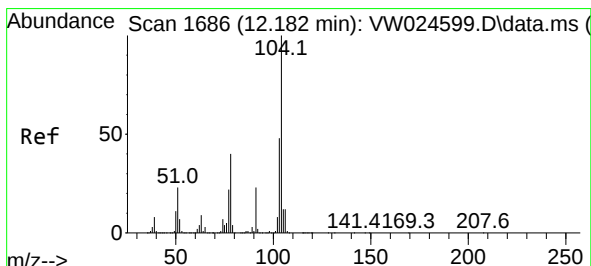
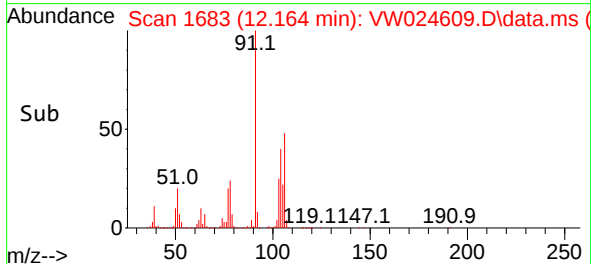
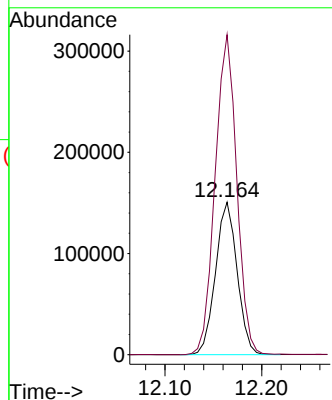
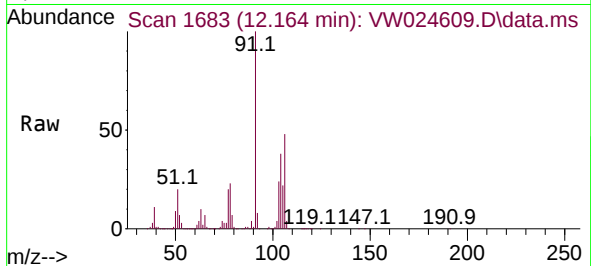




#54  
o-Xylene  
Concen: 27.369 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

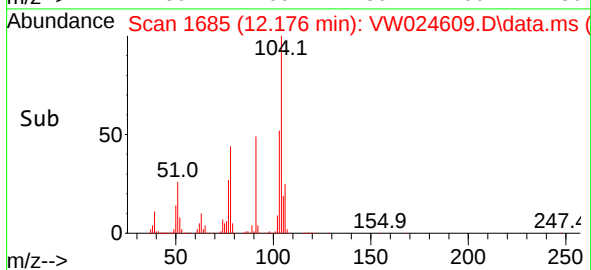
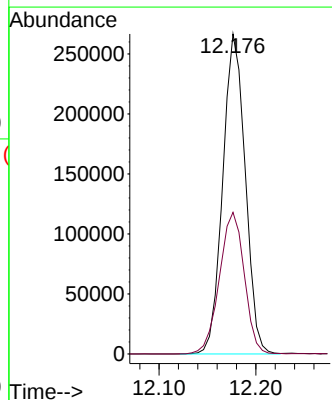
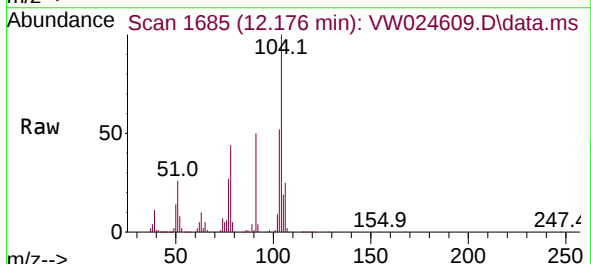
Instrument :  
MSVOA\_W  
ClientSampleId :

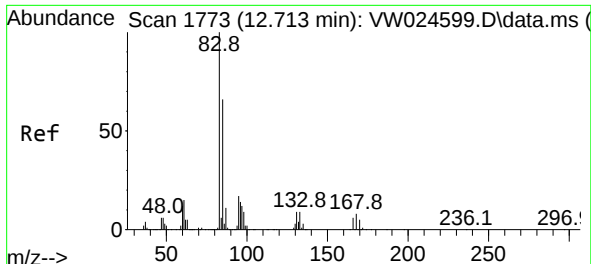
Tgt Ion:106 Resp: 233916  
Ion Ratio Lower Upper  
106 100  
91 209.9 148.7 276.3



#55  
Styrene  
Concen: 28.545 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

Tgt Ion:104 Resp: 429446  
Ion Ratio Lower Upper  
104 100  
78 44.3 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 26.748 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

Instrument :

MSVOA\_W

ClientSampleId :

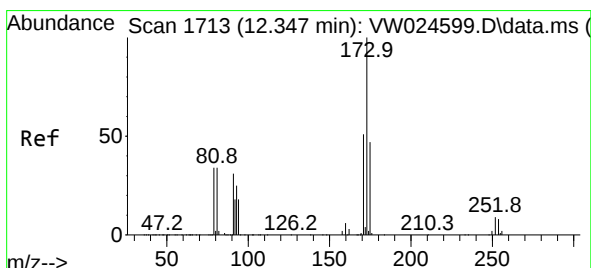
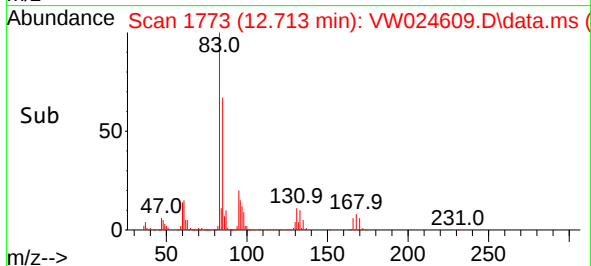
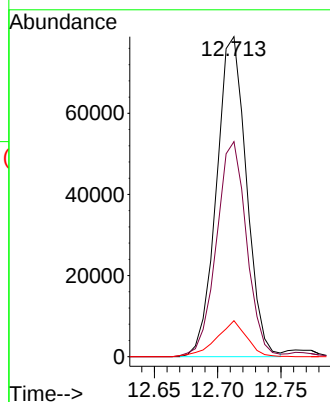
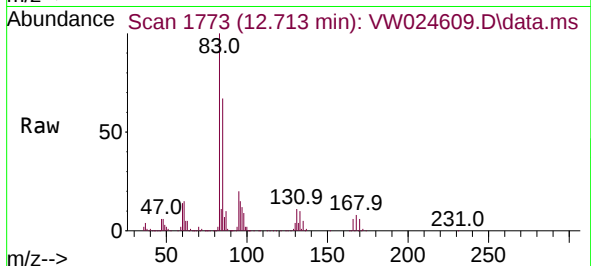
Tgt Ion: 83 Resp: 129751

Ion Ratio Lower Upper

83 100

85 67.2 45.6 84.8

131 11.3 9.0 13.4



#59

Bromoform

Concen: 24.635 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

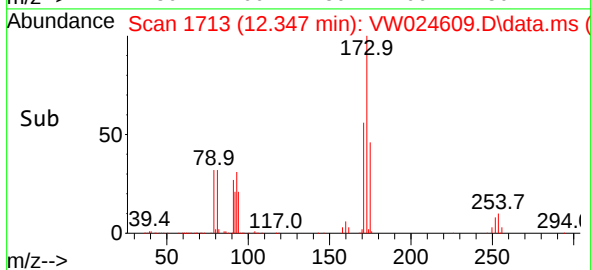
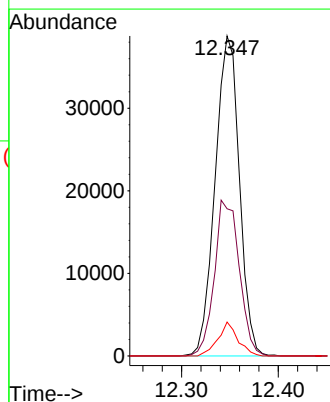
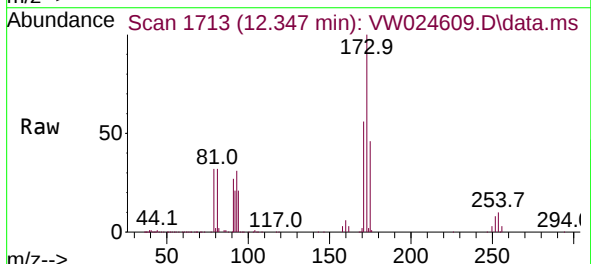
Tgt Ion:173 Resp: 67519

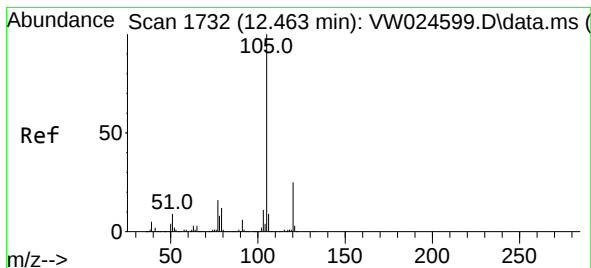
Ion Ratio Lower Upper

173 100

175 49.9 40.5 60.7

254 8.7 6.4 9.6





#60

Isopropylbenzene

Concen: 25.333 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

Instrument :

MSVOA\_W

ClientSampleId :

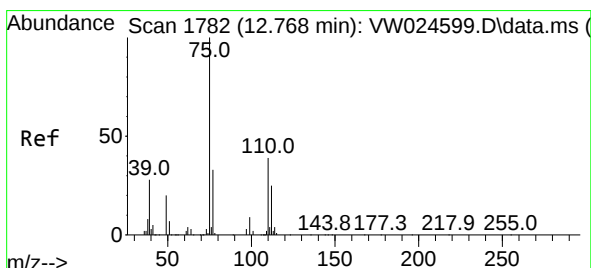
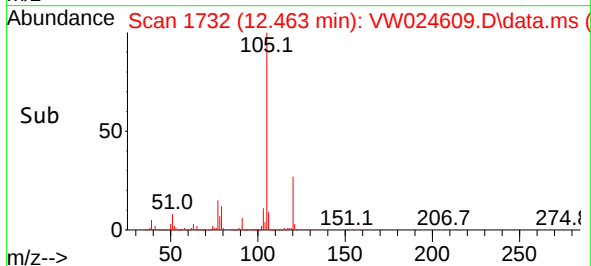
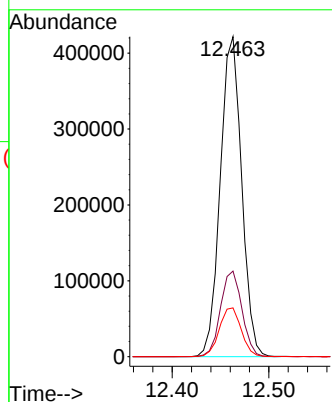
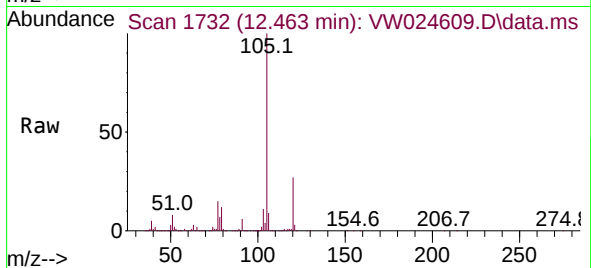
Tgt Ion:105 Resp: 646761

Ion Ratio Lower Upper

105 100

120 26.8 20.9 31.3

77 15.7 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 23.706 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

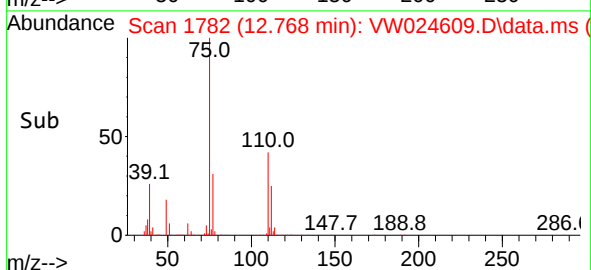
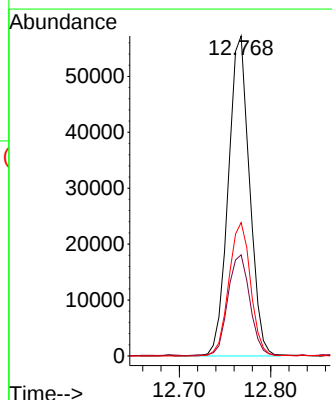
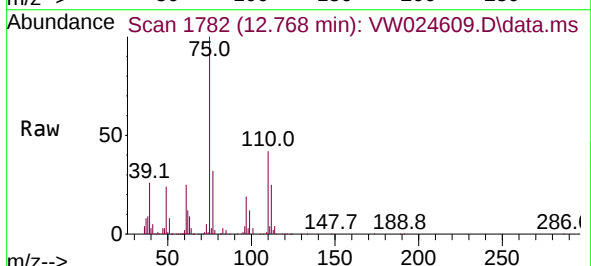
Tgt Ion: 75 Resp: 92478

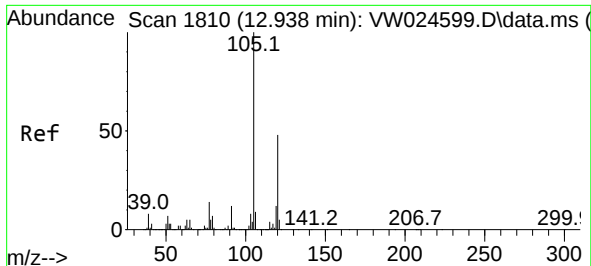
Ion Ratio Lower Upper

75 100

77 33.0 26.8 40.2

110 42.5 33.8 50.8

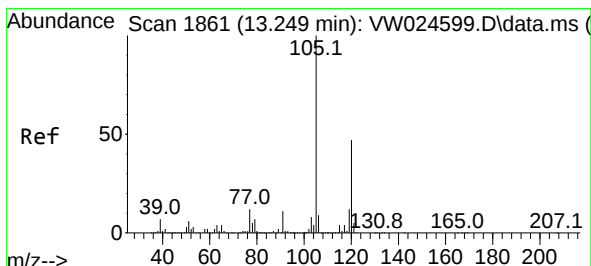
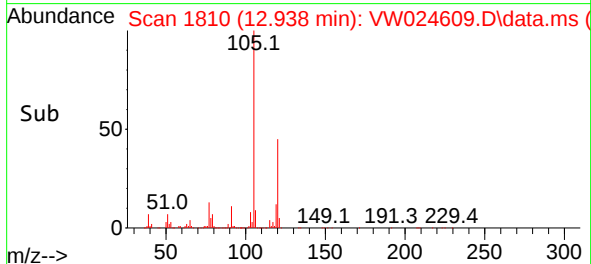
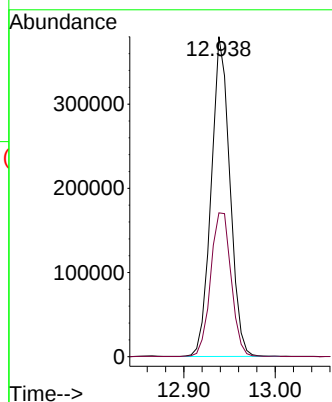
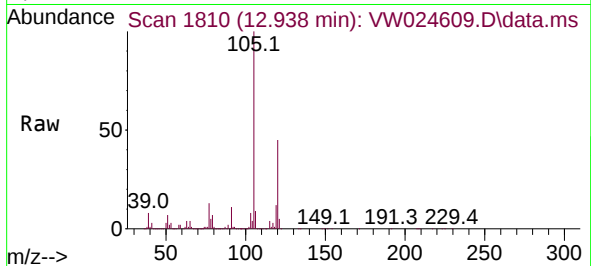




#62  
1,3,5-Trimethylbenzene  
Concen: 25.400 ug/L  
RT: 12.938 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

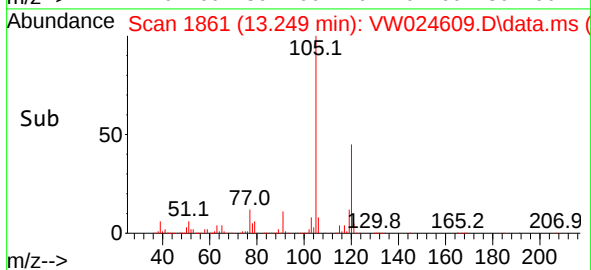
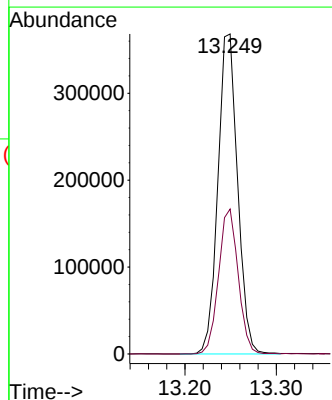
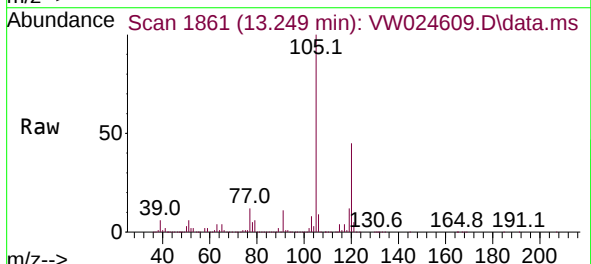
Instrument :  
MSVOA\_W  
ClientSampleId :

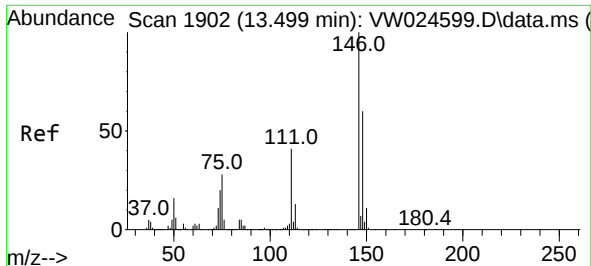
Tgt Ion:105 Resp: 538497  
Ion Ratio Lower Upper  
105 100  
120 49.4 39.5 59.3



#63  
1,2,4-Trimethylbenzene  
Concen: 26.148 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

Tgt Ion:105 Resp: 551734  
Ion Ratio Lower Upper  
105 100  
120 45.0 36.7 55.1

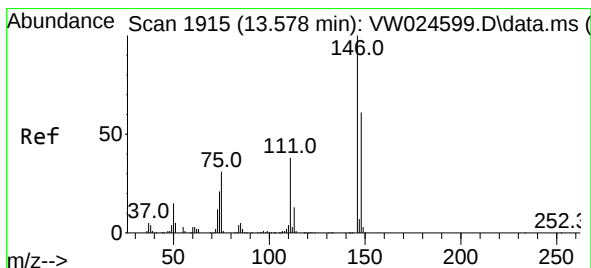
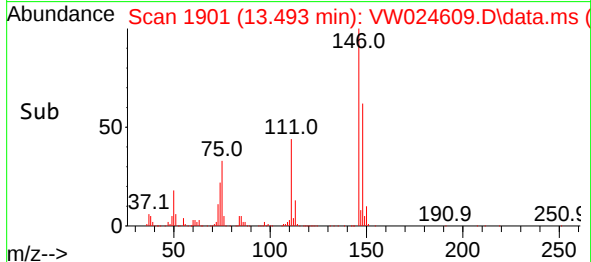
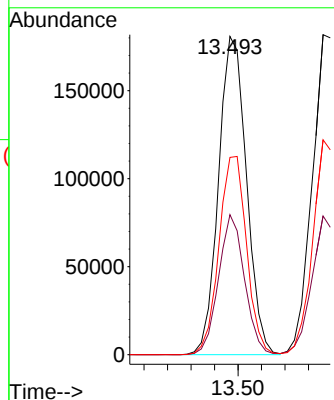
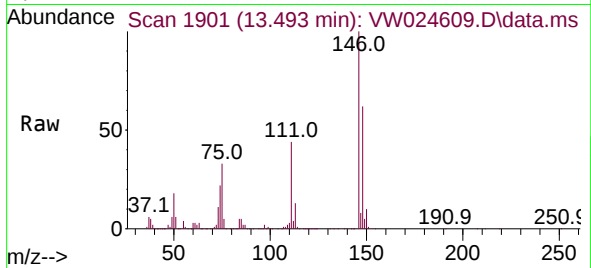




#64  
1,3-Dichlorobenzene  
Concen: 25.952 ug/L  
RT: 13.493 min Scan# 1902  
Delta R.T. -0.006 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

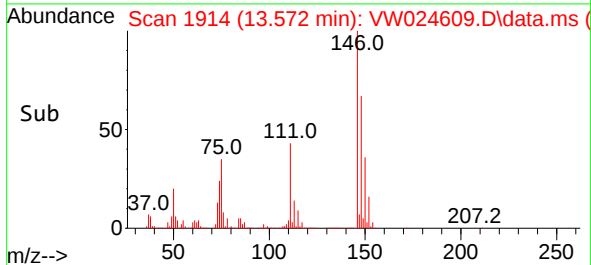
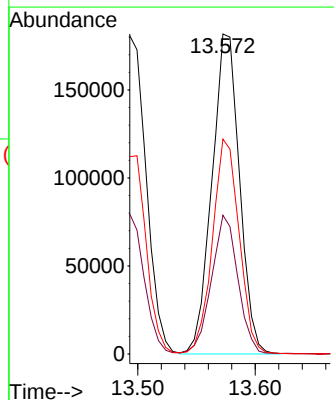
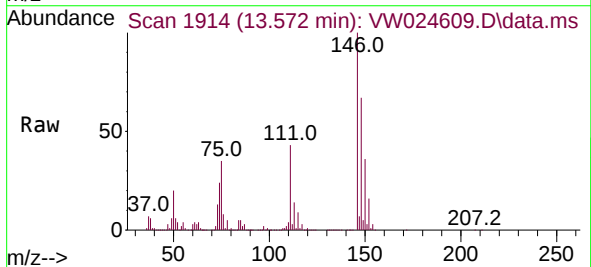
Instrument :  
MSVOA\_W  
ClientSampleId :

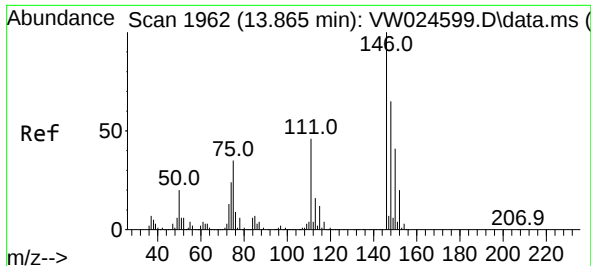
Tgt Ion:146 Resp: 298536  
Ion Ratio Lower Upper  
146 100  
111 44.0 28.3 52.5  
148 62.0 42.2 78.4



#65  
1,4-Dichlorobenzene  
Concen: 24.464 ug/L  
RT: 13.572 min Scan# 1914  
Delta R.T. -0.006 min  
Lab File: VW024609.D  
Acq: 13 Sep 2022 16:50

Tgt Ion:146 Resp: 296622  
Ion Ratio Lower Upper  
146 100  
111 43.4 29.3 54.3  
148 67.2 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 25.753 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

Instrument :

MSVOA\_W

ClientSampleId :

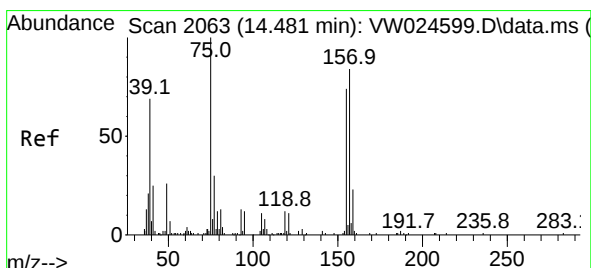
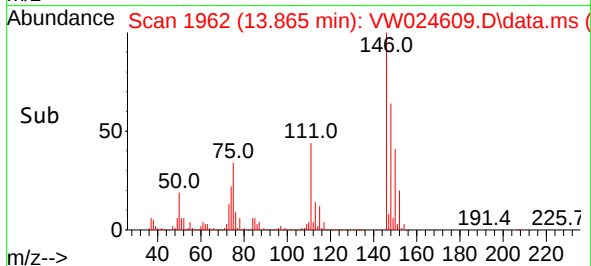
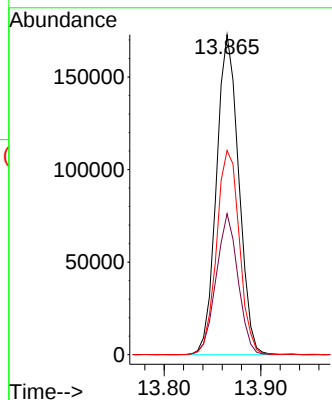
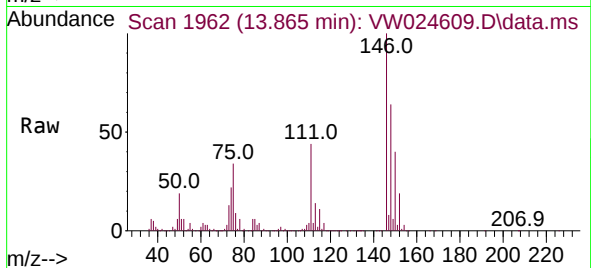
Tgt Ion:146 Resp: 276263

Ion Ratio Lower Upper

146 100

111 44.1 32.2 48.4

148 63.8 48.3 72.5



#68

1,2-Dibromo-3-chloropropane

Concen: 21.925 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

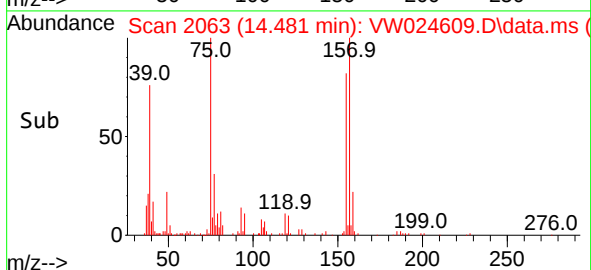
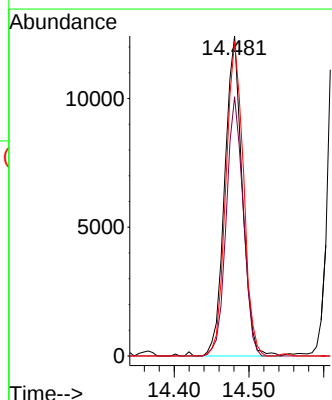
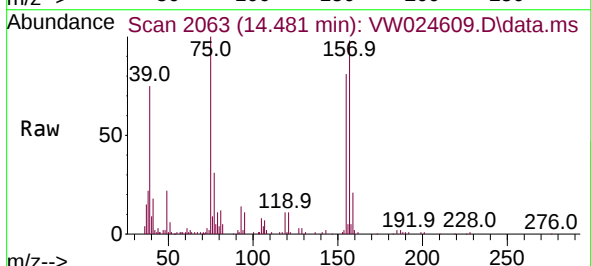
Tgt Ion: 75 Resp: 20237

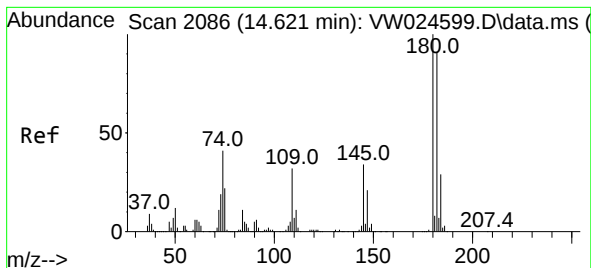
Ion Ratio Lower Upper

75 100

155 81.0 66.3 99.5

157 98.4 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 24.616 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion:180 Resp: 183921

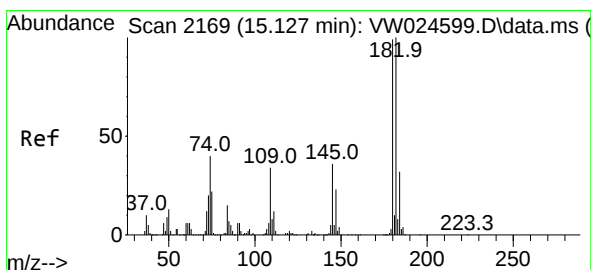
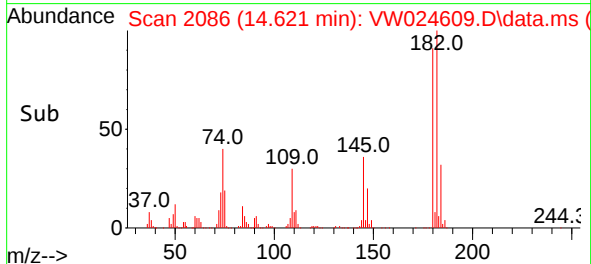
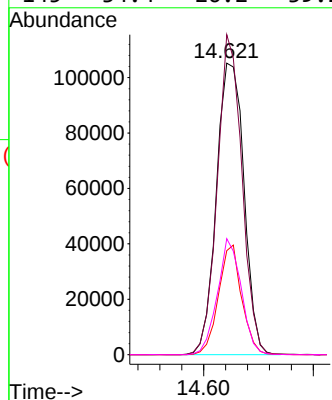
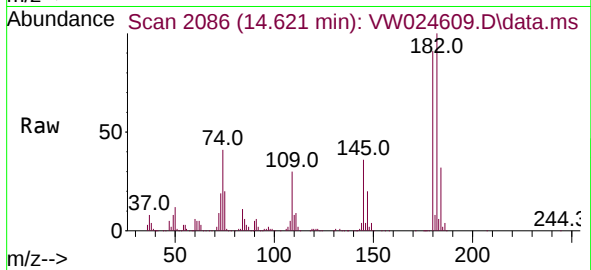
Ion Ratio Lower Upper

180 100

182 98.1 72.4 108.6

184 31.7 22.8 34.2

145 34.4 26.2 39.2



#70

1,2,4-trichlorobenzene

Concen: 25.954 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

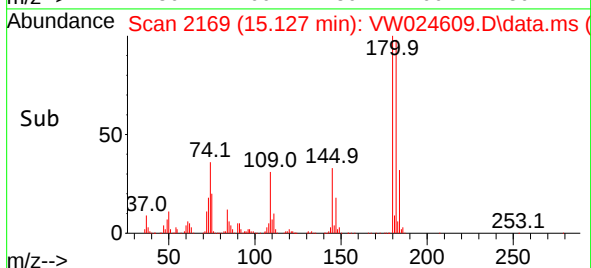
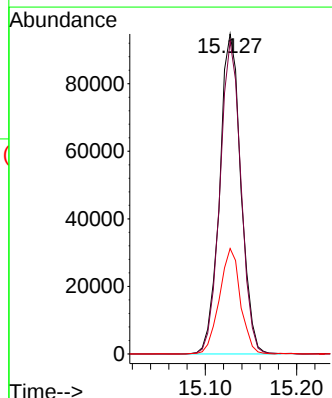
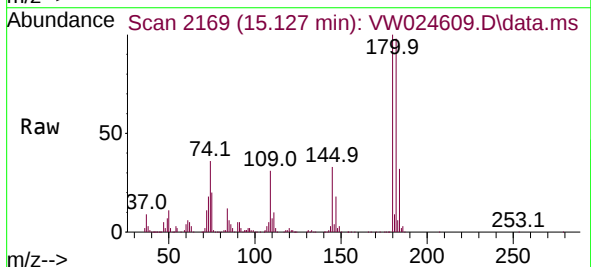
Tgt Ion:180 Resp: 153875

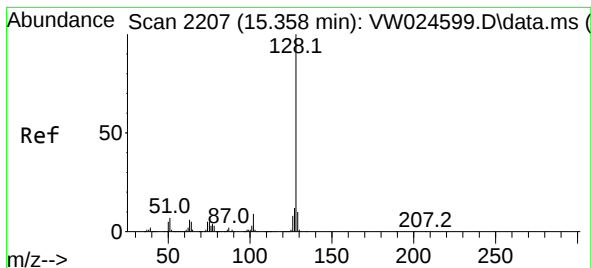
Ion Ratio Lower Upper

180 100

182 96.0 73.8 110.6

145 32.4 26.6 39.8





#71

Naphthalene

Concen: 26.570 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

Instrument :

MSVOA\_W

ClientSampleId :

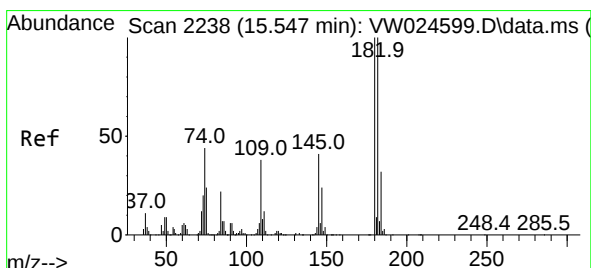
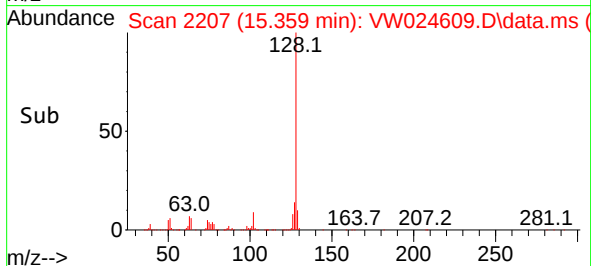
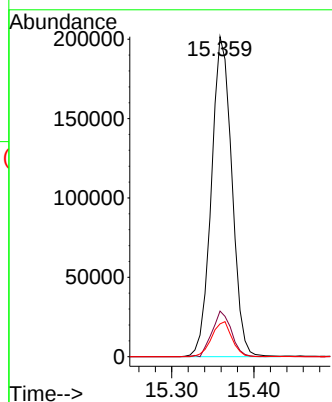
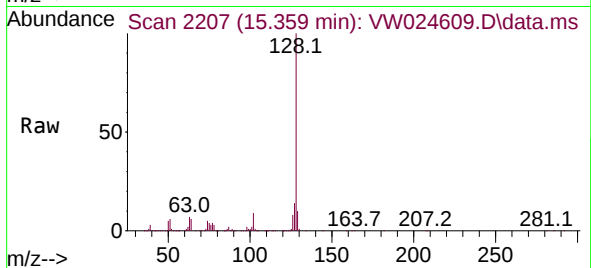
Tgt Ion:128 Resp: 348513

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 25.541 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW024609.D

Acq: 13 Sep 2022 16:50

Tgt Ion:180 Resp: 140876

Ion Ratio Lower Upper

180 100

182 92.3 78.7 118.1

145 34.9 28.1 42.1

