

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120721\  
 Data File : VY007003.D  
 Acq On : 07 Dec 2021 18:00  
 Operator : SY/MD  
 Sample : M4887-17MS  
 Misc : 5.37g/10.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 08 02:57:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMYL120721SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 08 02:54:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.691  | 114   | 131851   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.490 | 117   | 145940   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 72312    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.253  | 65    | 35666    | 12.033   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 48.120%  |
| 7) Chloroethane-d5            | 2.772  | 69    | 30501    | 13.458   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 53.840%  |
| 11) 1,1-Dichloroethene-d2     | 3.863  | 63    | 71849    | 15.708   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 62.840%  |
| 21) 2-Butanone-d5             | 6.893  | 46    | 34296    | 39.944   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 79.880%  |
| 24) Chloroform-d              | 7.478  | 84    | 78694    | 18.824   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 75.280%  |
| 26) 1,2-Dichloroethane-d4     | 8.143  | 65    | 48136    | 19.235   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 76.920%  |
| 32) Benzene-d6                | 8.112  | 84    | 133954   | 14.041   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 56.160%  |
| 36) 1,2-Dichloropropane-d6    | 9.124  | 67    | 52827    | 16.423   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 65.680%# |
| 41) Toluene-d8                | 10.179 | 98    | 114142   | 12.962   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 51.840%  |
| 43) trans-1,3-Dichloroprop... | 10.435 | 79    | 24140    | 16.215   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 64.880%  |
| 47) 2-Hexanone-d5             | 10.788 | 63    | 24712    | 33.429   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 66.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.562 | 84    | 54557    | 19.815   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 79.280%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.721 | 152   | 58719    | 21.122   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.480%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.918  | 85    | 22356    | 24.951   | ug/L   | 90       |
| 3) Chloromethane              | 2.113  | 50    | 50271    | 22.581   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.259  | 62    | 86296    | 24.262   | ug/L   | 97       |
| 6) Bromomethane               | 2.668  | 94    | 51192    | 24.530   | ug/L   | 97       |
| 8) Chloroethane               | 2.808  | 64    | 51003    | 24.666   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.131  | 101   | 61402    | 27.130   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.912  | 101   | 47265    | 24.605   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 3.881  | 96    | 48361    | 24.598   | ug/L # | 65       |
| 13) Acetone                   | 3.948  | 43    | 33133    | 44.676   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.198  | 76    | 157827   | 25.041   | ug/L   | 97       |
| 15) Methyl Acetate            | 4.485  | 43    | 37296    | 24.058   | ug/L # | 68       |
| 16) Methylene chloride        | 4.722  | 84    | 62269    | 22.673   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.222  | 96    | 52866    | 25.837   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.222  | 73    | 105631   | 26.376   | ug/L # | 85       |
| 19) 1,1-Dichloroethane        | 6.021  | 63    | 112471   | 26.048   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 6.984  | 96    | 60429    | 26.782   | ug/L   | 96       |
| 22) 2-Butanone                | 6.990  | 43    | 47451    | 45.444   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.338  | 128   | 25998    | 26.341   | ug/L   | 86       |
| 25) Chloroform                | 7.509  | 83    | 108977   | 26.291   | ug/L   | 100      |

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 Sample : M4887-17MS  
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 ALS Vial : 15 Sample Multiplier: 1

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 ClientSampleId :

Quant Time: Dec 08 02:57:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMYL120721SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 08 02:54:31 2021  
 Response via : Initial Calibration

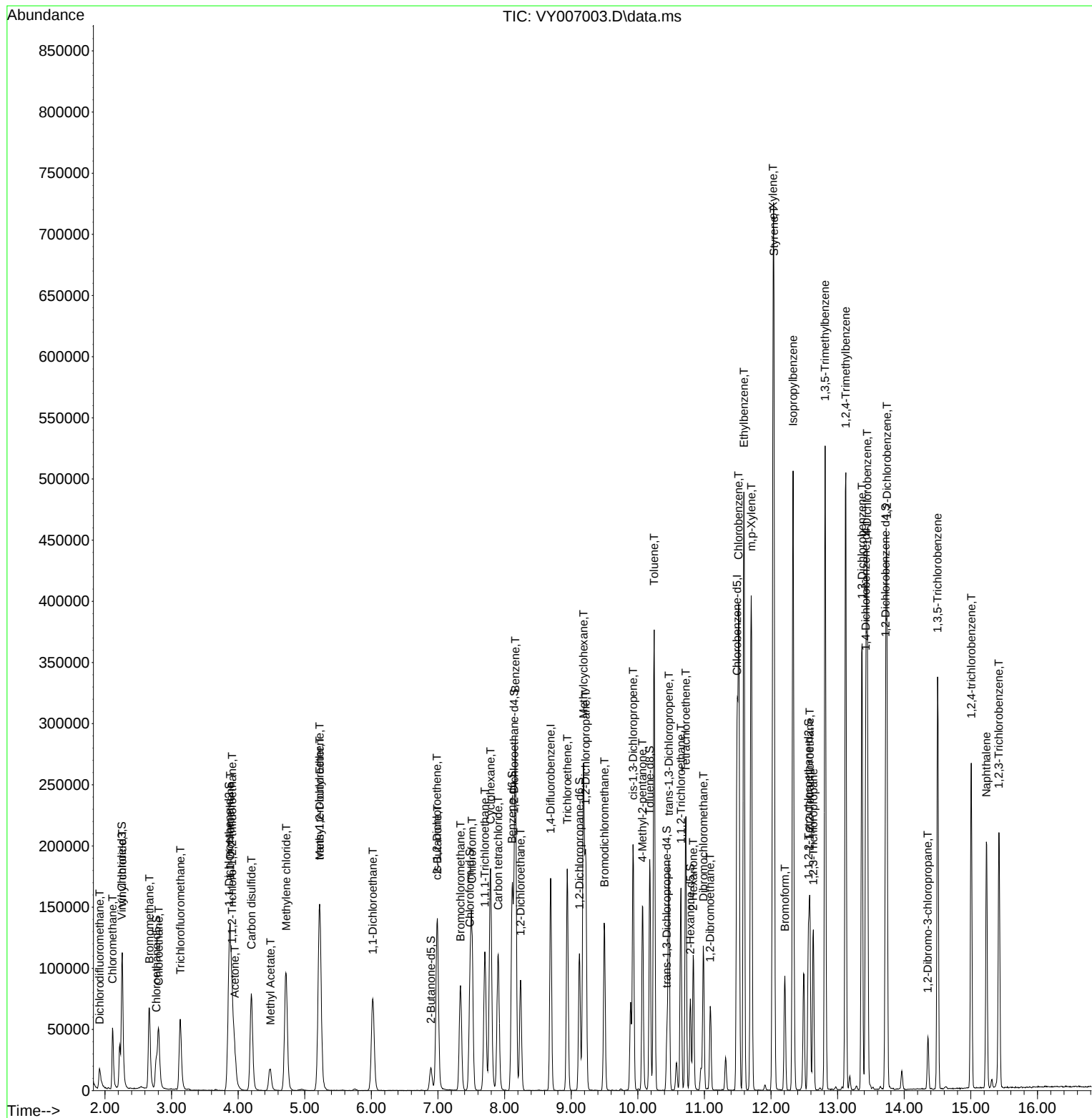
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.240  | 62   | 78245    | 26.470 | ug/L  | 100      |
| 29) Cyclohexane               | 7.789  | 56   | 101234   | 22.253 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 7.704  | 97   | 88657    | 22.188 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 7.905  | 117  | 78746    | 21.665 | ug/L  | 100      |
| 33) Benzene                   | 8.161  | 78   | 241723   | 22.332 | ug/L  | 100      |
| 34) Trichloroethene           | 8.941  | 95   | 59150    | 22.619 | ug/L  | 99       |
| 35) Methylcyclohexane         | 9.185  | 83   | 98771    | 21.623 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.216  | 63   | 68706    | 22.977 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.502  | 83   | 83644    | 22.547 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 9.929  | 75   | 102308   | 22.644 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.069 | 43   | 108038   | 40.709 | ug/L  | 99       |
| 42) Toluene                   | 10.246 | 91   | 258571   | 22.618 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.465 | 75   | 93780    | 22.395 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.648 | 97   | 46526    | 21.936 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.721 | 164  | 42379    | 21.099 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.831 | 43   | 72729    | 40.138 | ug/L  | 99       |
| 49) Dibromochloromethane      | 10.983 | 129  | 52903    | 21.804 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.087 | 107  | 42483    | 21.370 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.514 | 112  | 177488   | 26.202 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.593 | 91   | 323196   | 25.747 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.703 | 106  | 121850   | 26.355 | ug/L  | 95       |
| 54) o-Xylene                  | 12.032 | 106  | 115861   | 26.472 | ug/L  | 98       |
| 55) Styrene                   | 12.044 | 104  | 204916   | 26.565 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 68003    | 24.130 | ug/L  | 98       |
| 59) Bromoform                 | 12.209 | 173  | 38283    | 25.788 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.331 | 105  | 301842   | 27.258 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.636 | 75   | 50453    | 24.682 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 259945   | 29.217 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 262148   | 28.473 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.367 | 146  | 139851   | 27.487 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.446 | 146  | 136013   | 26.525 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.739 | 146  | 133924   | 29.017 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.355 | 75   | 10564    | 21.528 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.501 | 180  | 95736    | 25.643 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.007 | 180  | 77041    | 24.265 | ug/L  | 100      |
| 71) Naphthalene               | 15.233 | 128  | 156225   | 23.001 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 64054    | 21.683 | ug/L  | 99       |

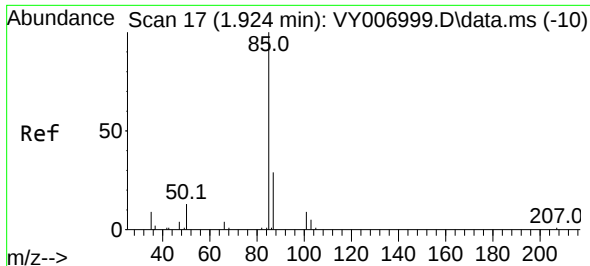
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMYLEM120721SMA.M  
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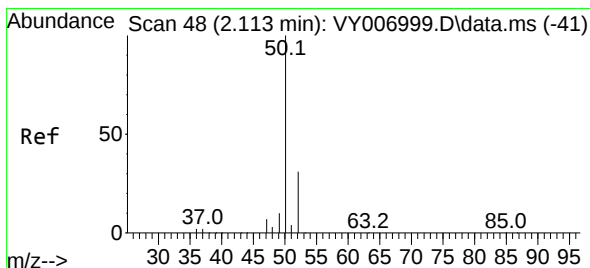
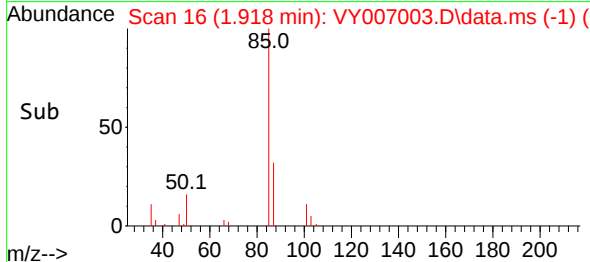
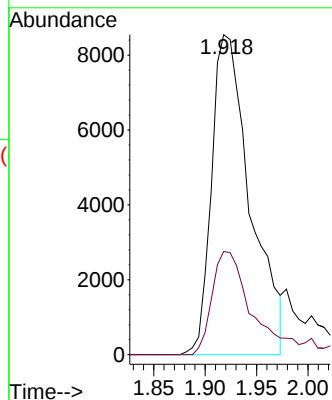
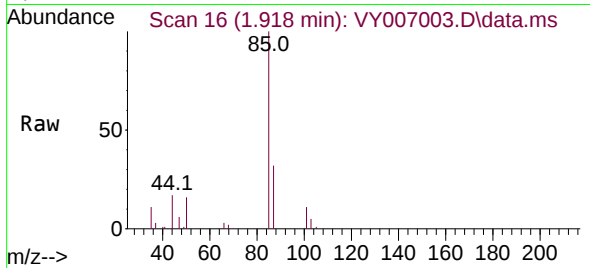




#2  
 Dichlorodifluoromethane  
 Concen: 24.951 ug/L  
 RT: 1.918 min Scan# 16  
 Delta R.T. -0.006 min  
 Lab File: VY007003.D  
 Acq: 07 Dec 2021 18:00

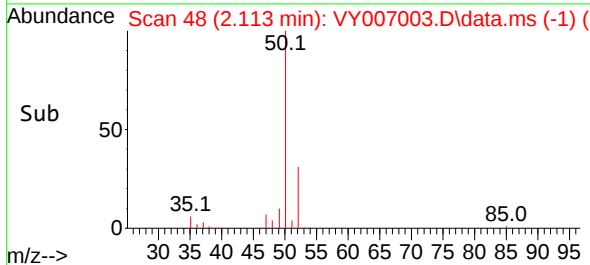
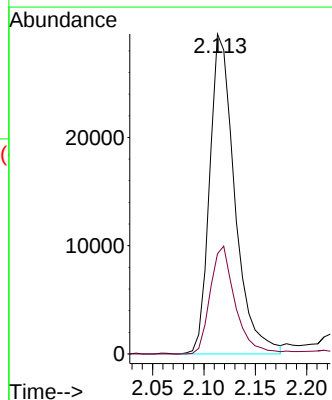
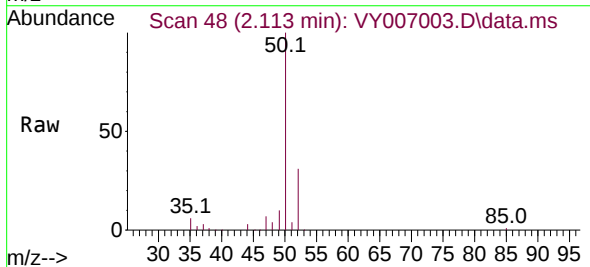
Instrument :  
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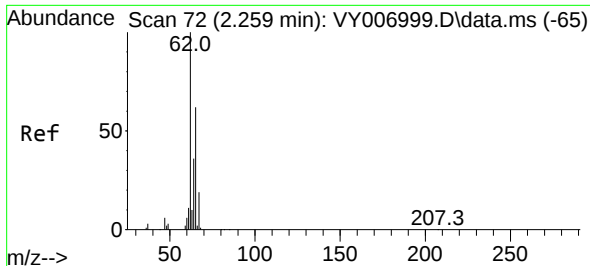
Tgt Ion: 85 Resp: 22356  
 Ion Ratio Lower Upper  
 85 100  
 87 31.7 21.2 31.8



#3  
 Chloromethane  
 Concen: 22.581 ug/L  
 RT: 2.113 min Scan# 48  
 Delta R.T. -0.000 min  
 Lab File: VY007003.D  
 Acq: 07 Dec 2021 18:00

Tgt Ion: 50 Resp: 50271  
 Ion Ratio Lower Upper  
 50 100  
 52 31.3 22.0 41.0

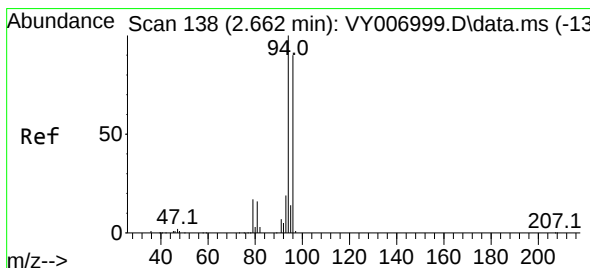
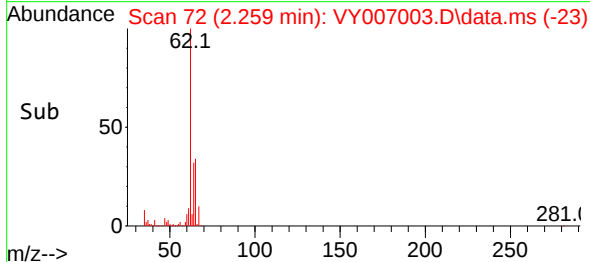
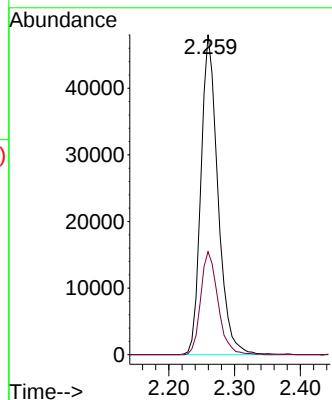
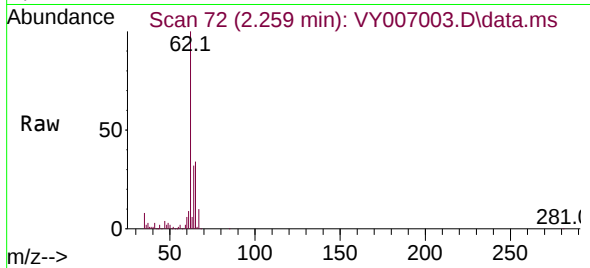




#5  
 Vinyl chloride  
 Concen: 24.262 ug/L  
 RT: 2.259 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VY007003.D  
 Acq: 07 Dec 2021 18:00

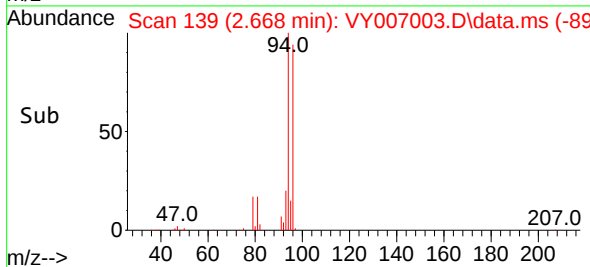
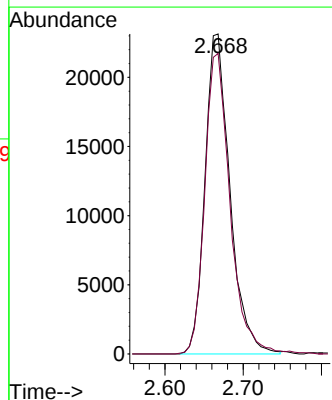
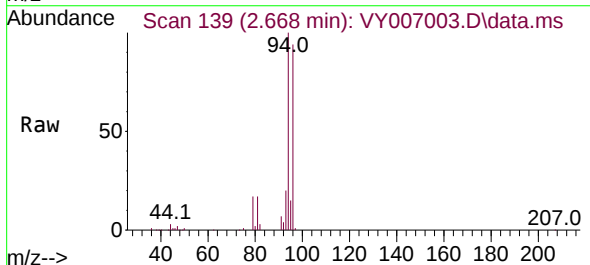
Instrument :  
 MSVOA\_Y  
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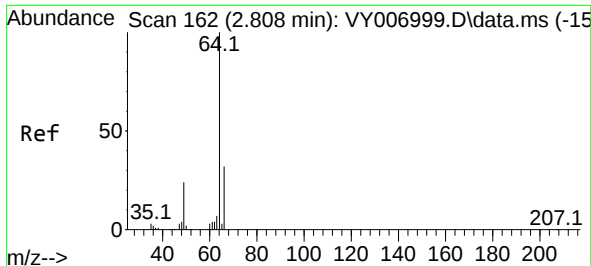
Tgt Ion: 62 Resp: 86296  
 Ion Ratio Lower Upper  
 62 100  
 64 32.2 23.8 44.2



#6  
 Bromomethane  
 Concen: 24.530 ug/L  
 RT: 2.668 min Scan# 139  
 Delta R.T. 0.006 min  
 Lab File: VY007003.D  
 Acq: 07 Dec 2021 18:00

Tgt Ion: 94 Resp: 51192  
 Ion Ratio Lower Upper  
 94 100  
 96 93.9 68.0 126.4

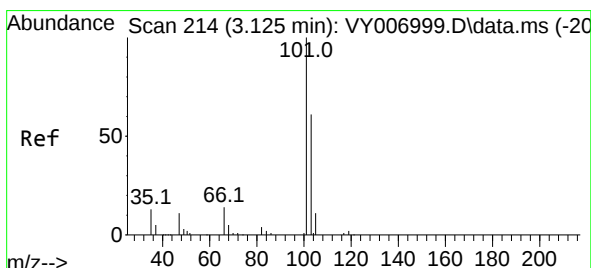
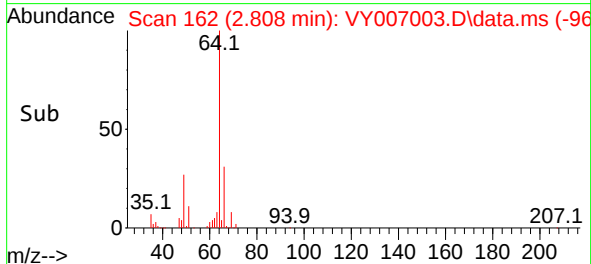
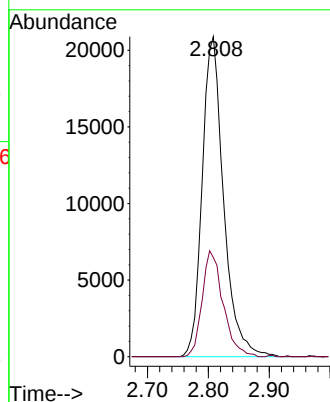
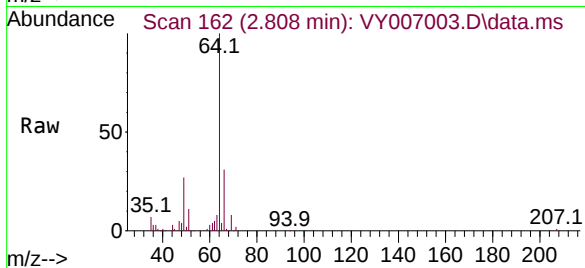




#8  
Chloroethane  
Concen: 24.666 ug/L  
RT: 2.808 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

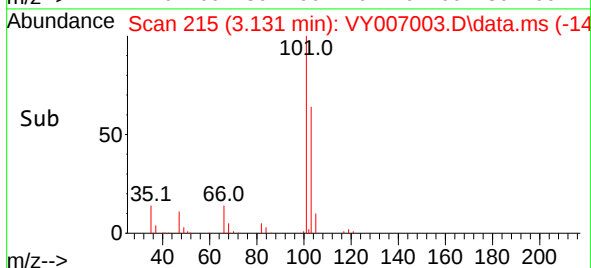
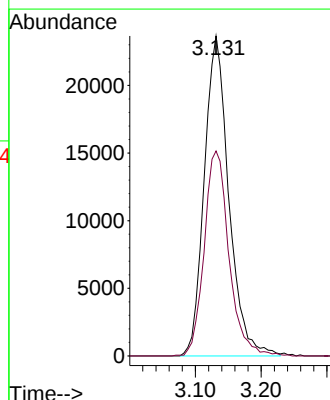
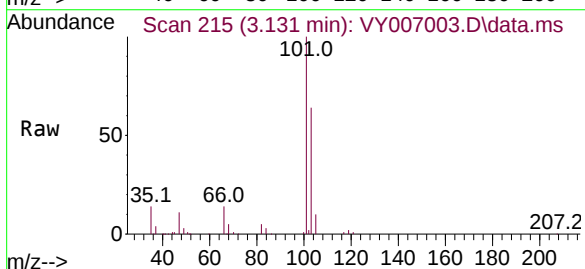
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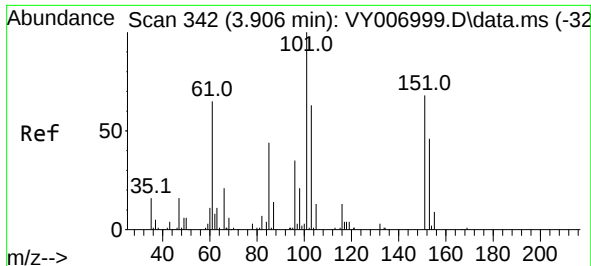
Tgt Ion: 64 Resp: 51003  
Ion Ratio Lower Upper  
64 100  
66 31.0 21.8 40.4



#9  
Trichlorofluoromethane  
Concen: 27.130 ug/L  
RT: 3.131 min Scan# 215  
Delta R.T. 0.006 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Tgt Ion:101 Resp: 61402  
Ion Ratio Lower Upper  
101 100  
103 63.4 51.1 76.7

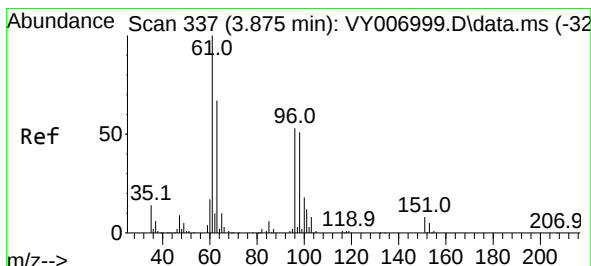
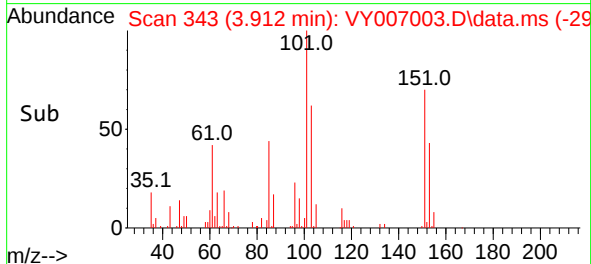
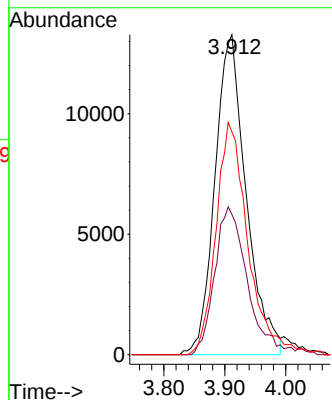
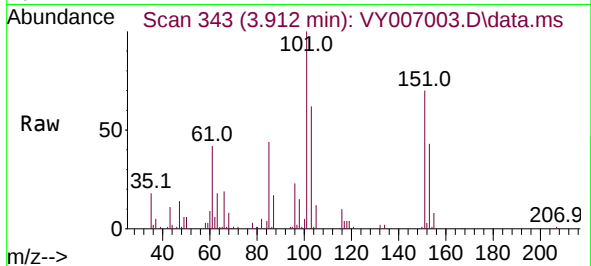




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 24.605 ug/L  
 RT: 3.912 min Scan# 34  
 Delta R.T. 0.006 min  
 Lab File: VY007003.D  
 Acq: 07 Dec 2021 18:00

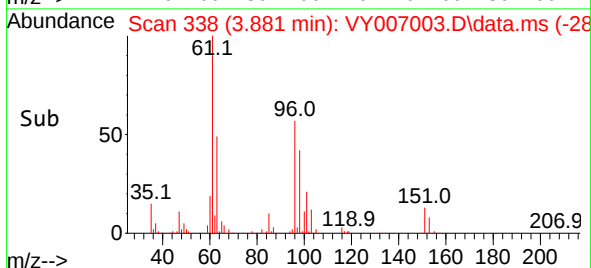
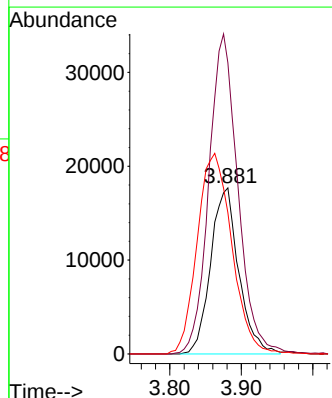
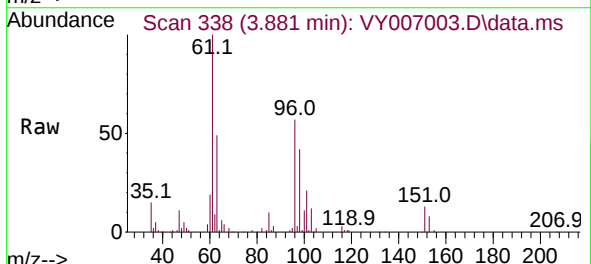
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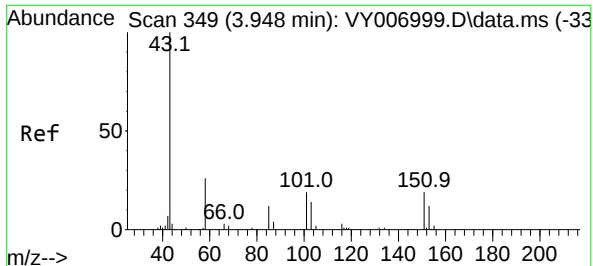
Tgt Ion:101 Resp: 47265  
 Ion Ratio Lower Upper  
 101 100  
 85 46.3 34.6 52.0  
 151 73.1 55.0 82.4



#12  
 1,1-Dichloroethene  
 Concen: 24.598 ug/L  
 RT: 3.881 min Scan# 338  
 Delta R.T. 0.006 min  
 Lab File: VY007003.D  
 Acq: 07 Dec 2021 18:00

Tgt Ion: 96 Resp: 48361  
 Ion Ratio Lower Upper  
 96 100  
 61 175.2 142.0 263.8  
 63 85.0 110.9 205.9#





#13

Acetone

Concen: 44.676 ug/L

RT: 3.948 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

Instrument :

MSVOA\_Y

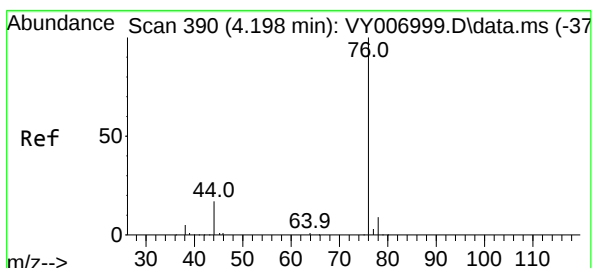
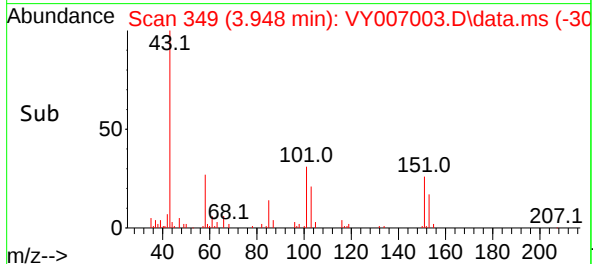
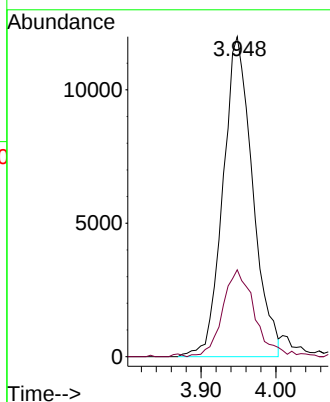
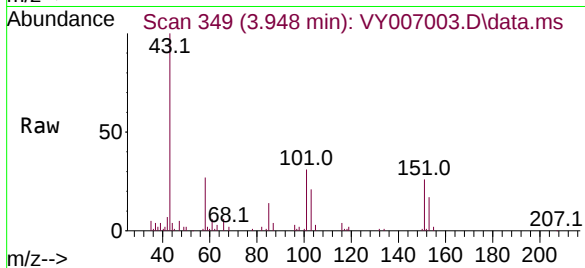
ClientSampleId :

Tgt Ion: 43 Resp: 33133

Ion Ratio Lower Upper

43 100

58 28.6 0.0 56.4



#14

Carbon disulfide

Concen: 25.041 ug/L

RT: 4.198 min Scan# 390

Delta R.T. -0.000 min

Lab File: VY007003.D

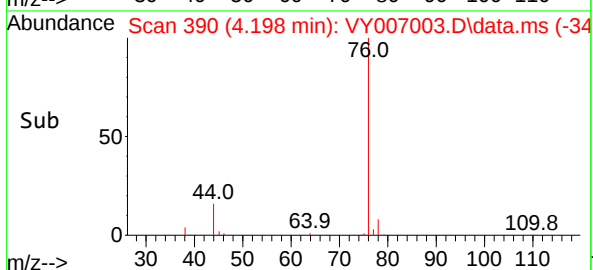
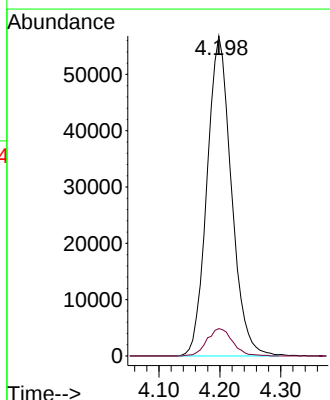
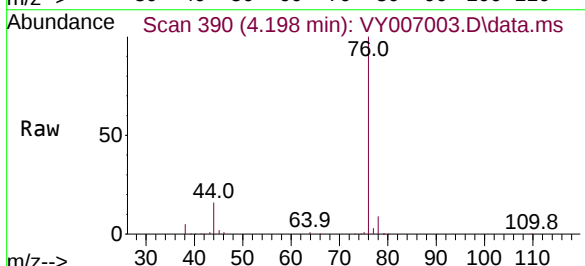
Acq: 07 Dec 2021 18:00

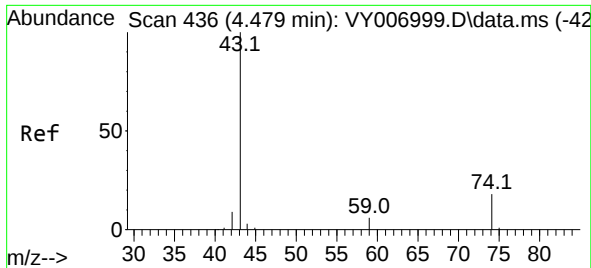
Tgt Ion: 76 Resp: 157827

Ion Ratio Lower Upper

76 100

78 8.6 7.8 11.8

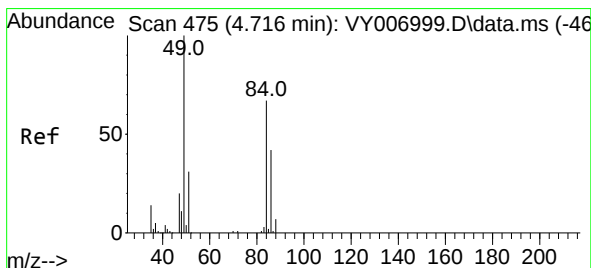
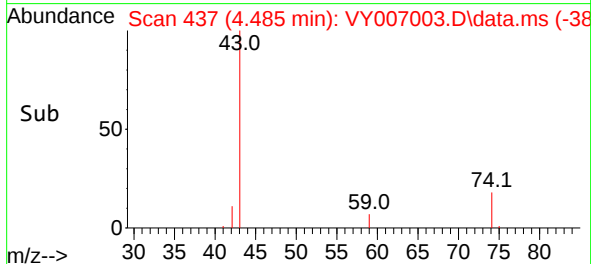
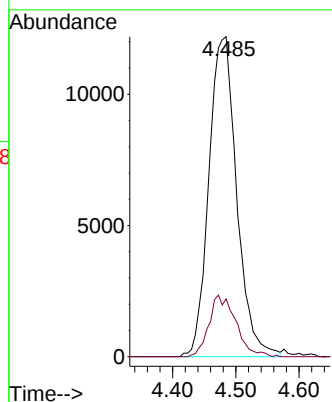
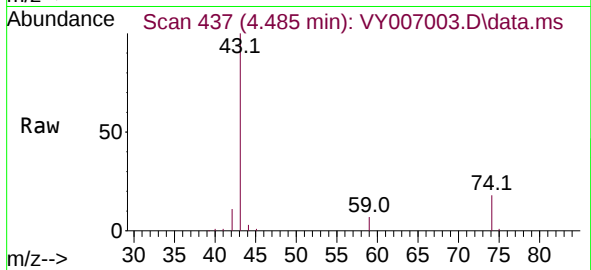




#15  
Methyl Acetate  
Concen: 24.058 ug/L  
RT: 4.485 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

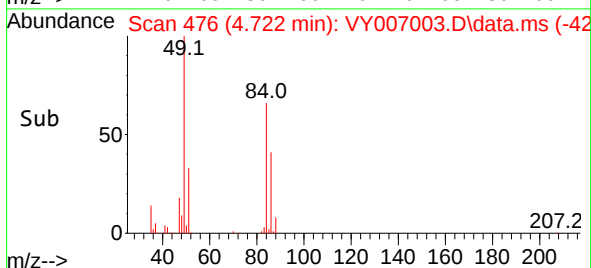
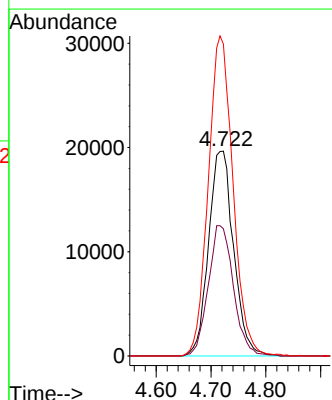
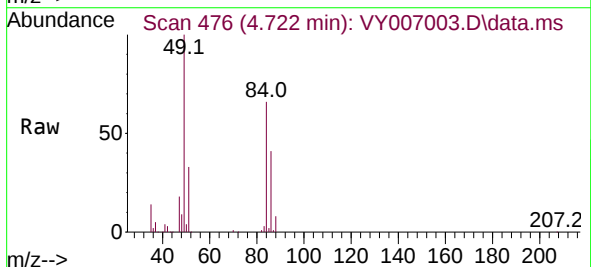
Instrument :  
MSVOA\_Y  
ClientSampleId :

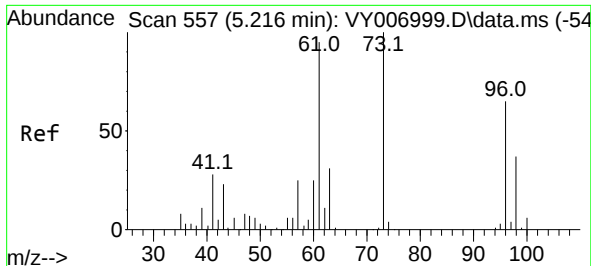
Tgt Ion: 43 Resp: 37296  
Ion Ratio Lower Upper  
43 100  
74 18.2 5.6 8.4#



#16  
Methylene chloride  
Concen: 22.673 ug/L  
RT: 4.722 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Tgt Ion: 84 Resp: 62269  
Ion Ratio Lower Upper  
84 100  
86 62.1 43.0 79.8  
49 152.3 105.3 195.6





#17

trans-1,2-Dichloroethene

Concen: 25.837 ug/L

RT: 5.222 min Scan# 558

Delta R.T. 0.006 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

Instrument :

MSVOA\_Y

ClientSampleId :

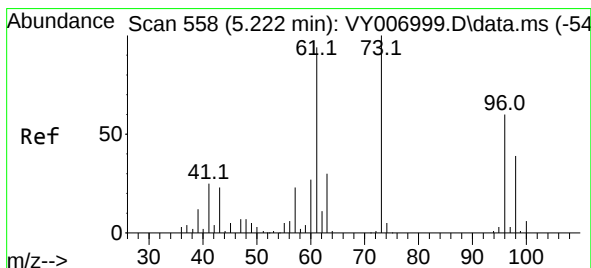
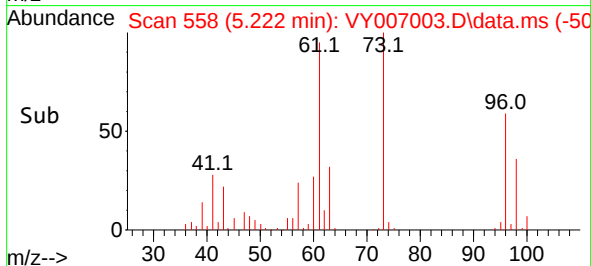
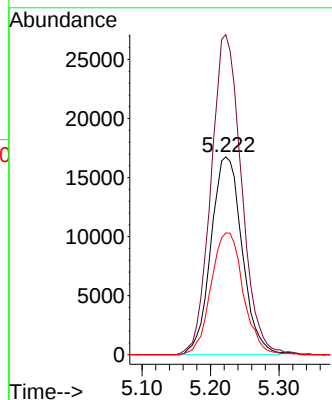
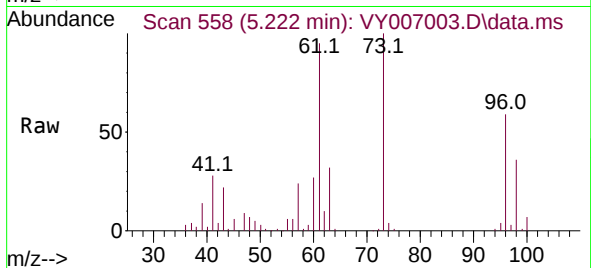
Tgt Ion: 96 Resp: 52866

Ion Ratio Lower Upper

96 100

61 161.8 106.5 197.9

98 61.6 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 26.376 ug/L

RT: 5.222 min Scan# 558

Delta R.T. -0.000 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

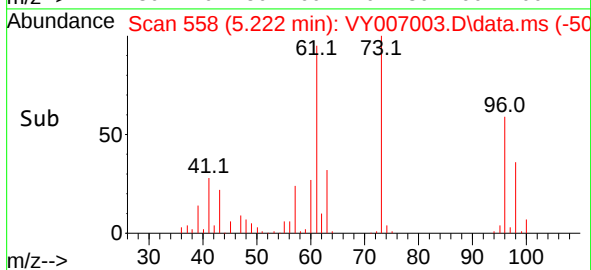
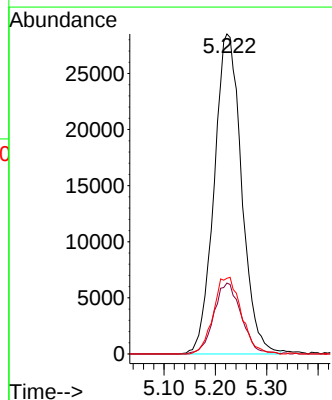
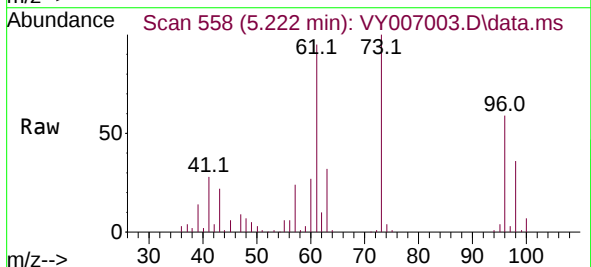
Tgt Ion: 73 Resp: 105631

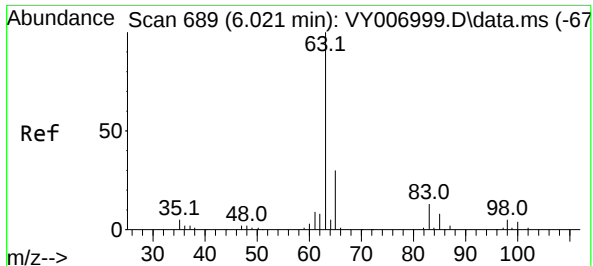
Ion Ratio Lower Upper

73 100

43 22.2 17.7 26.5

57 10.5 19.4 29.2#





#19

1,1-Dichloroethane

Concen: 26.048 ug/L

RT: 6.021 min Scan# 61

Delta R.T. -0.000 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

Instrument :

MSVOA\_Y

ClientSampleId :

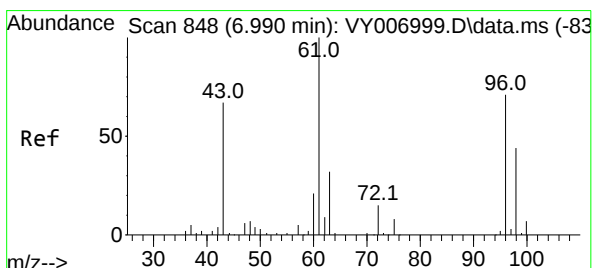
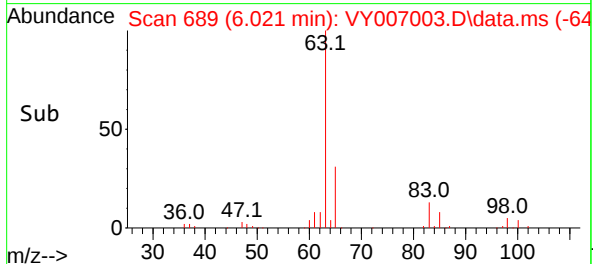
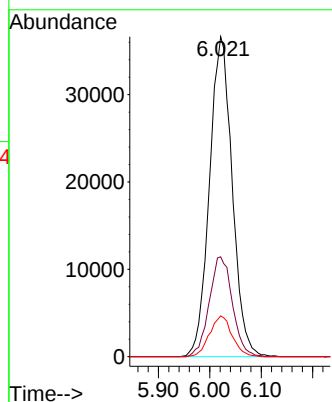
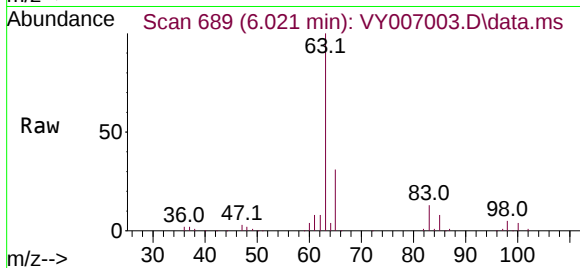
Tgt Ion: 63 Resp: 112471

Ion Ratio Lower Upper

63 100

65 31.2 22.7 42.1

83 12.7 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 26.782 ug/L

RT: 6.984 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

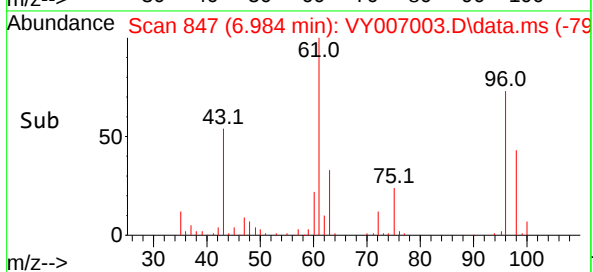
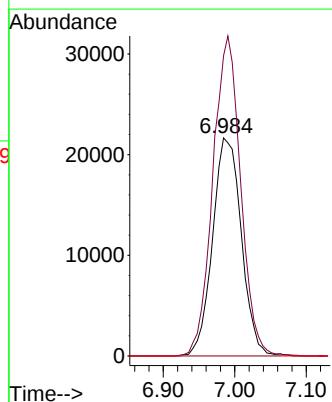
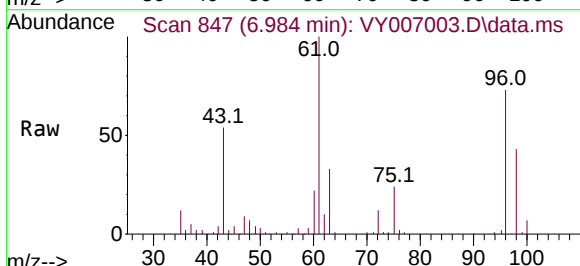
Tgt Ion: 96 Resp: 60429

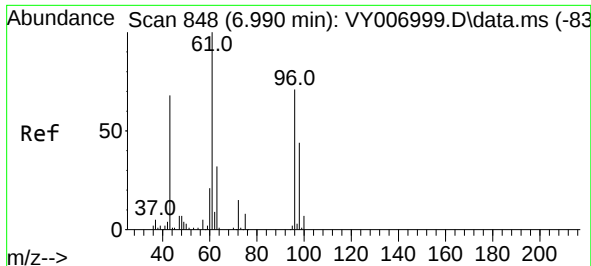
Ion Ratio Lower Upper

96 100

61 137.7 100.2 186.0

68 0.0 0.0 0.0

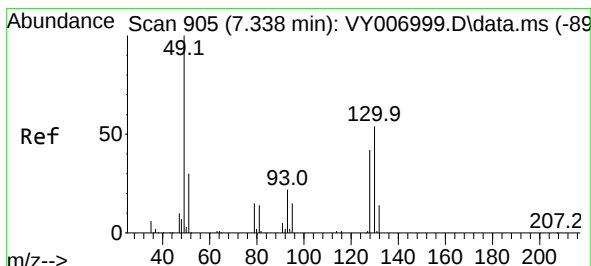
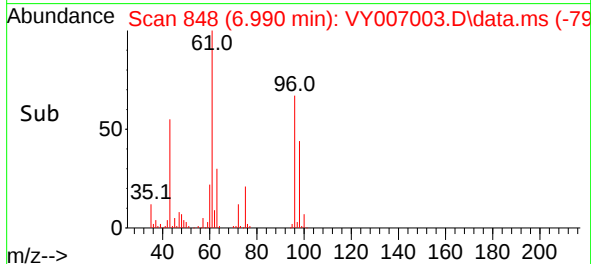
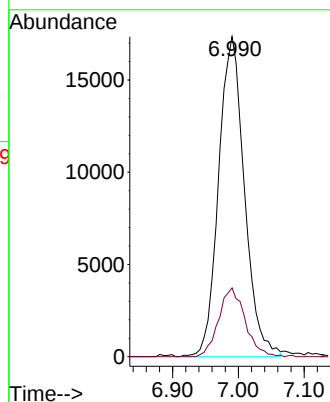
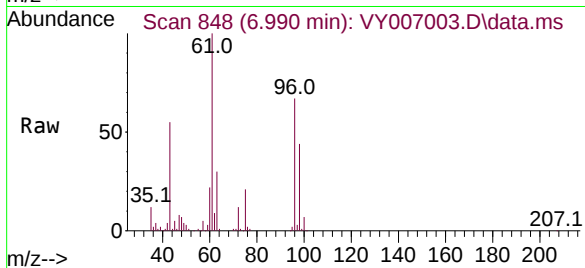




#22  
2-Butanone  
Concen: 45.444 ug/L  
RT: 6.990 min Scan# 848  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

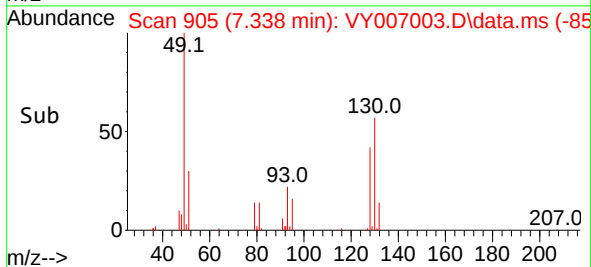
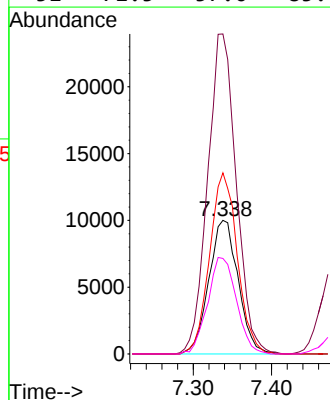
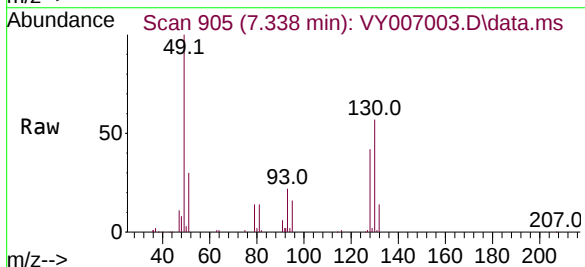
Instrument :  
MSVOA\_Y  
ClientSampleId :

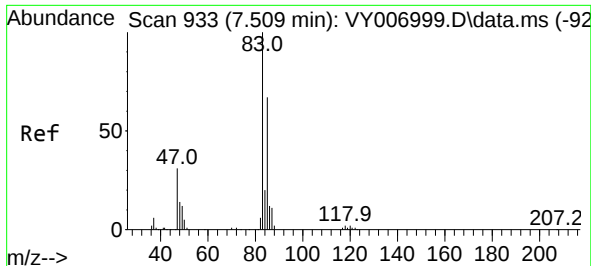
Tgt Ion: 43 Resp: 47451  
Ion Ratio Lower Upper  
43 100  
72 21.9 11.4 34.2



#23  
Bromochloromethane  
Concen: 26.341 ug/L  
RT: 7.338 min Scan# 905  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Tgt Ion:128 Resp: 25998  
Ion Ratio Lower Upper  
128 100  
49 239.6 150.1 278.7  
130 135.6 81.1 150.5  
51 71.5 57.0 85.6

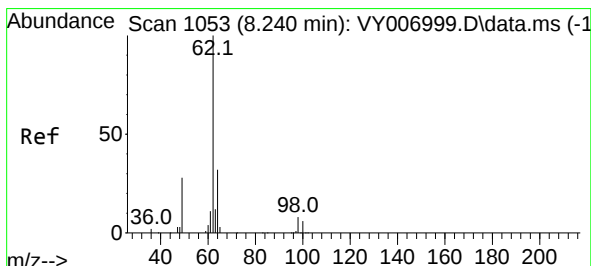
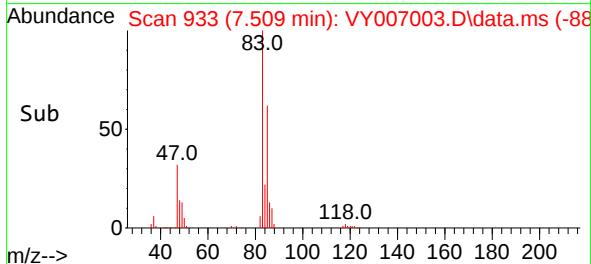
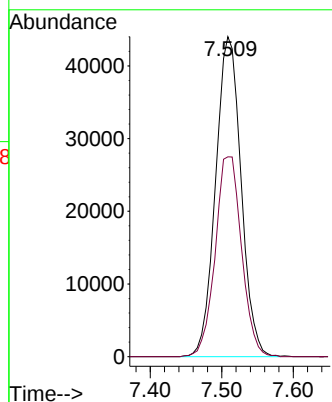
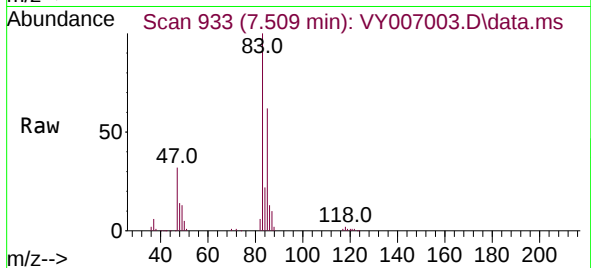




#25  
Chloroform  
Concen: 26.291 ug/L  
RT: 7.509 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

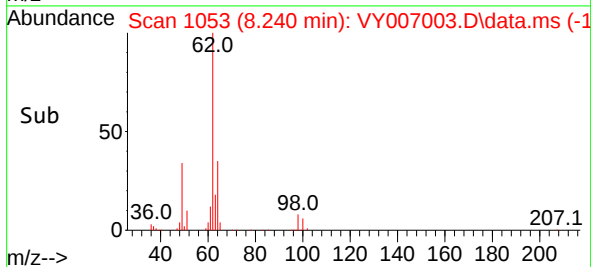
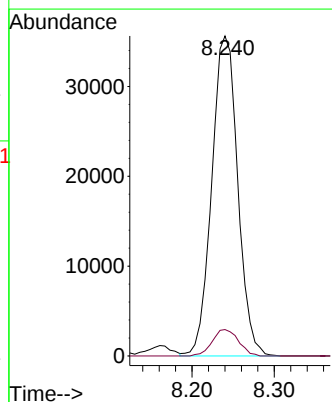
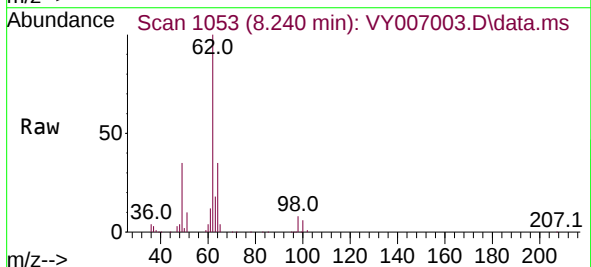
Instrument :  
MSVOA\_Y  
ClientSampleId :

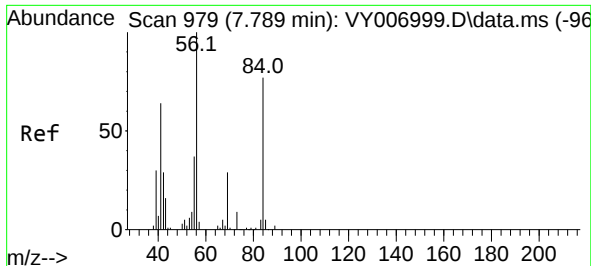
Tgt Ion: 83 Resp: 108977  
Ion Ratio Lower Upper  
83 100  
85 62.5 43.9 81.5



#27  
1,2-Dichloroethane  
Concen: 26.470 ug/L  
RT: 8.240 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Tgt Ion: 62 Resp: 78245  
Ion Ratio Lower Upper  
62 100  
98 8.3 6.6 9.8





#29

Cyclohexane

Concen: 22.253 ug/L

RT: 7.789 min Scan# 91

Delta R.T. -0.000 min

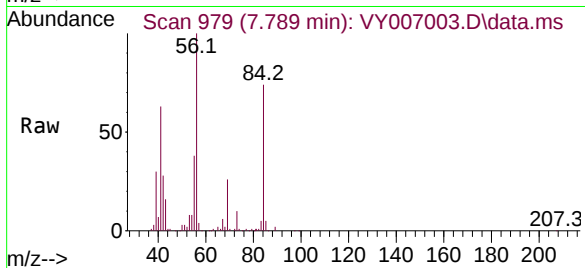
Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

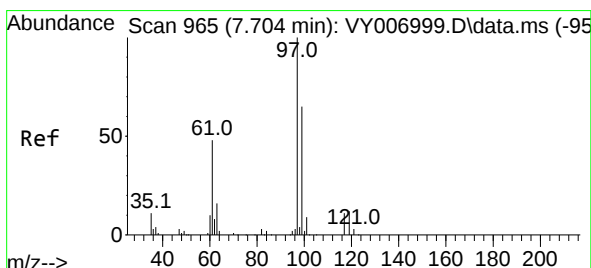
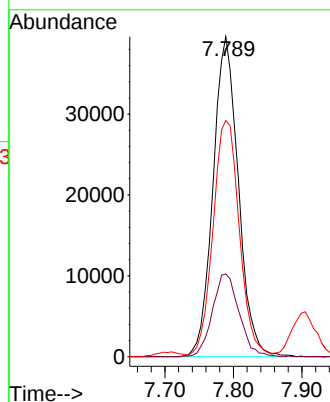
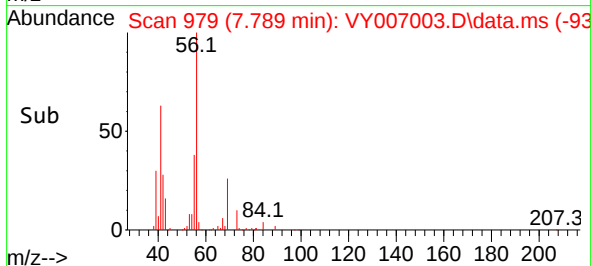
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 101234 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 27.3  | 22.0  | 33.0   |
| 84       | 77.1  | 61.7  | 92.5   |



#30

1,1,1-Trichloroethane

Concen: 22.188 ug/L

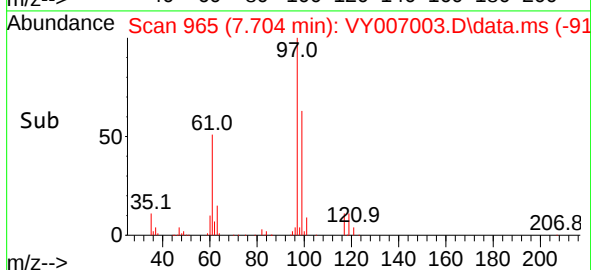
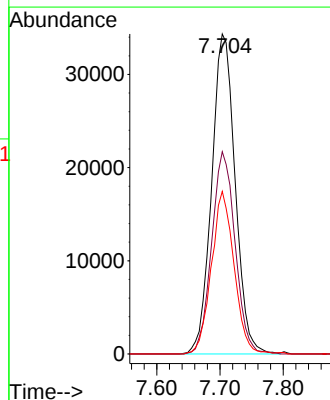
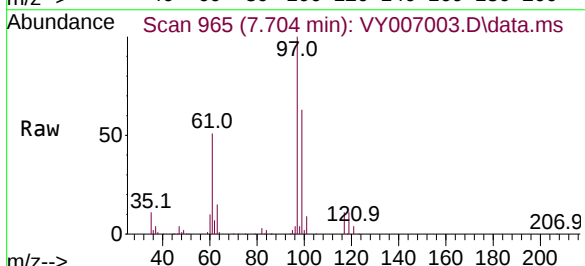
RT: 7.704 min Scan# 965

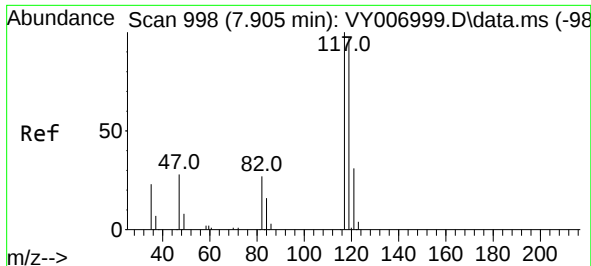
Delta R.T. -0.000 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

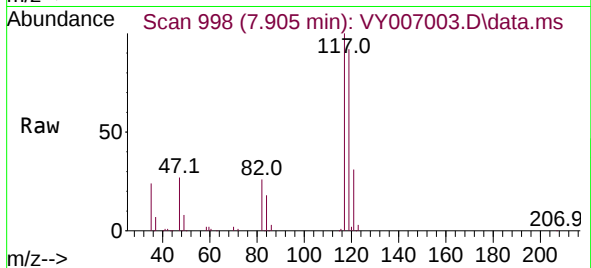
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 88657 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.0  | 50.7  | 76.1  |
| 61       | 49.0  | 38.5  | 57.7  |



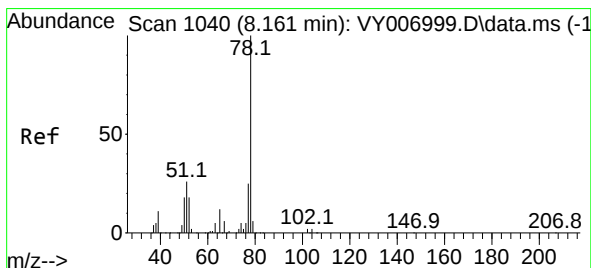
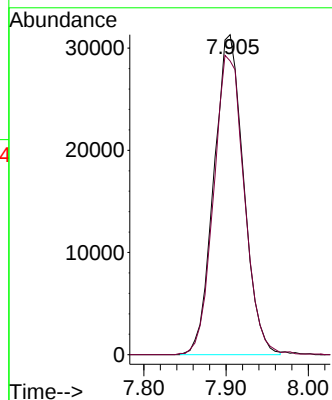
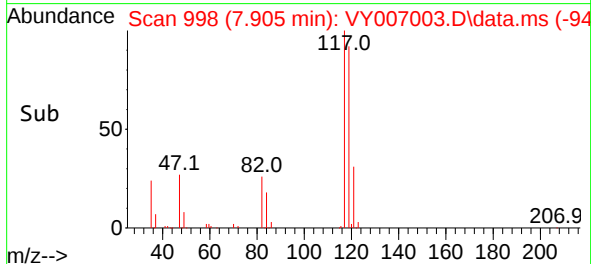


#31  
Carbon tetrachloride  
Concen: 21.665 ug/L  
RT: 7.905 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Instrument :  
MSVOA\_Y  
ClientSampleId :

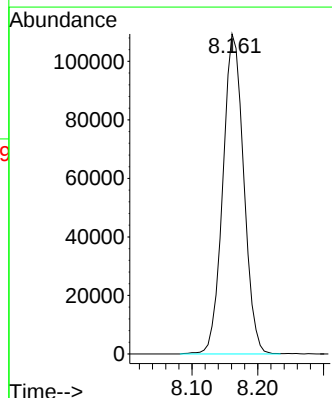
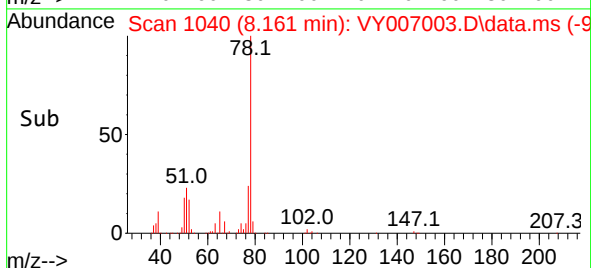
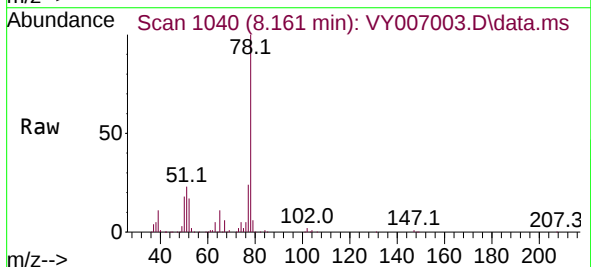


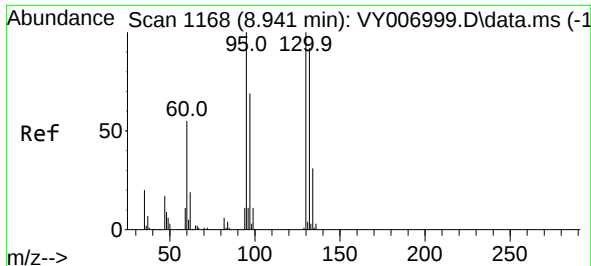
Tgt Ion:117 Resp: 78746  
Ion Ratio Lower Upper  
117 100  
119 96.0 76.4 114.6



#33  
Benzene  
Concen: 22.332 ug/L  
RT: 8.161 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

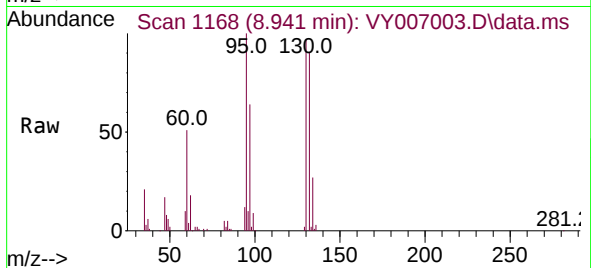
Tgt Ion: 78 Resp: 241723





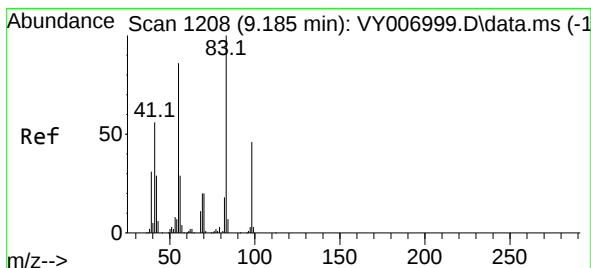
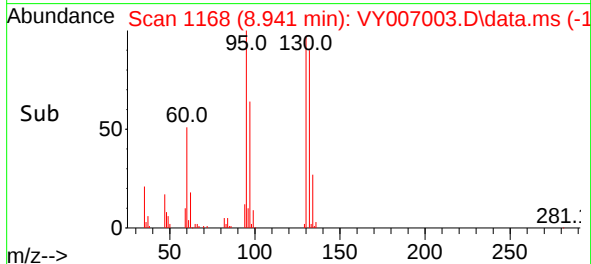
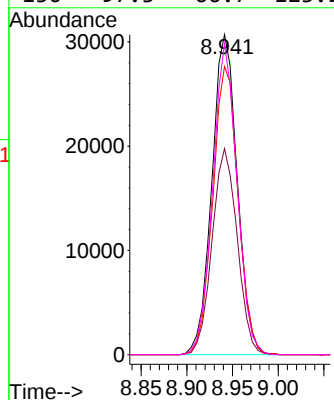
#34  
Trichloroethene  
Concen: 22.619 ug/L  
RT: 8.941 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 95 Resp: 59150

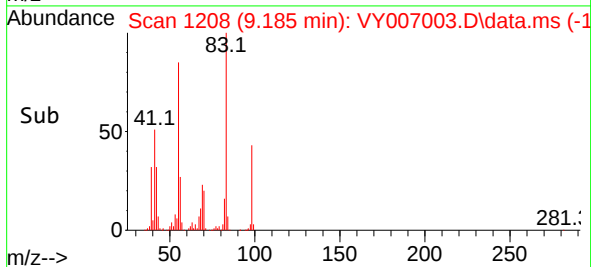
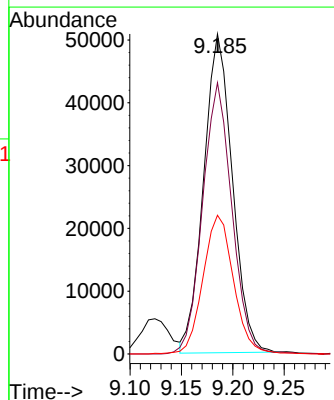
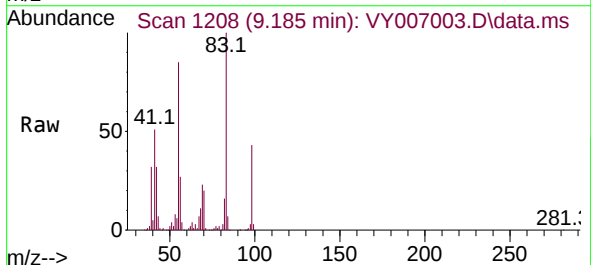
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.4  | 46.4  | 86.2  |
| 132 | 90.0  | 63.0  | 117.0 |
| 130 | 97.3  | 66.7  | 123.9 |

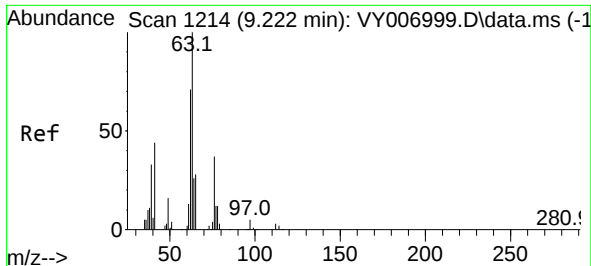


#35  
Methylcyclohexane  
Concen: 21.623 ug/L  
RT: 9.185 min Scan# 1208  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Tgt Ion: 83 Resp: 98771

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 86.4  | 68.9  | 103.3 |
| 98  | 46.4  | 37.8  | 56.8  |





#37

1,2-Dichloropropane

Concen: 22.977 ug/L

RT: 9.216 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

Instrument :

MSVOA\_Y

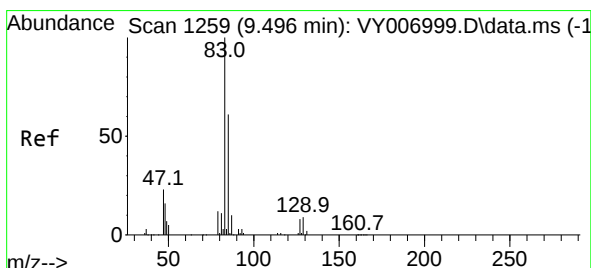
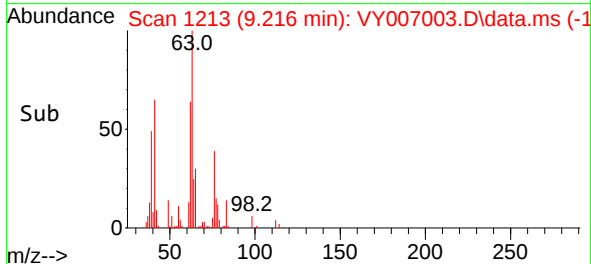
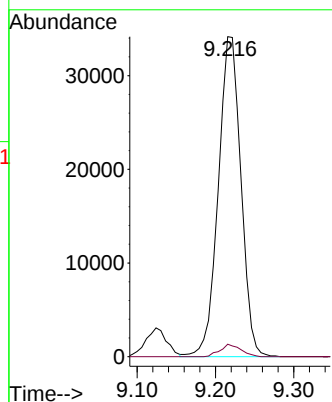
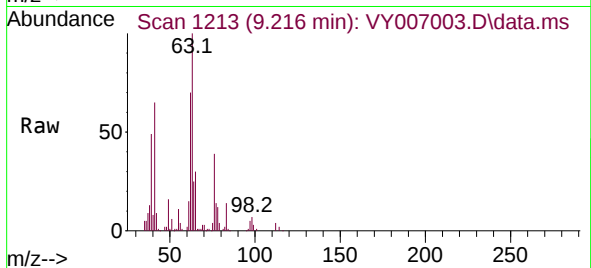
ClientSampleId :

Tgt Ion: 63 Resp: 68706

Ion Ratio Lower Upper

63 100

112 3.6 2.8 4.2



#38

Bromodichloromethane

Concen: 22.547 ug/L

RT: 9.502 min Scan# 1260

Delta R.T. 0.006 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

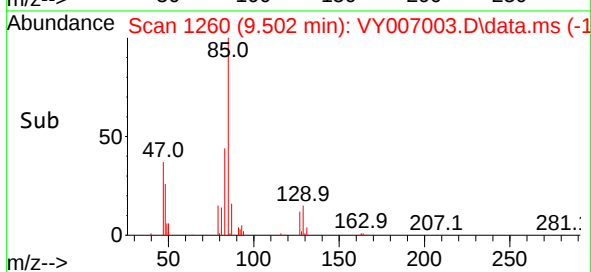
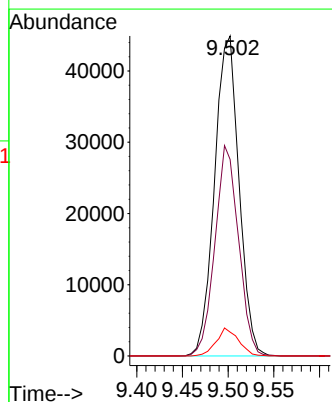
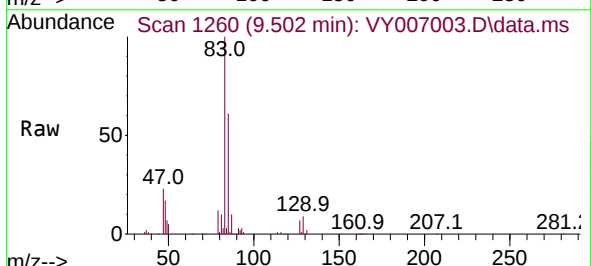
Tgt Ion: 83 Resp: 83644

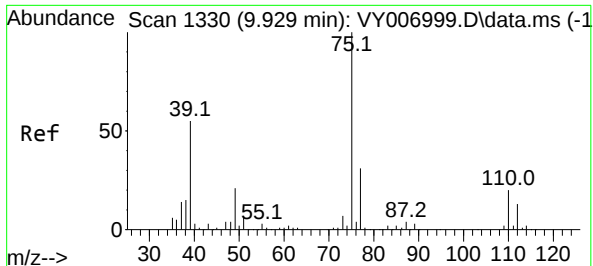
Ion Ratio Lower Upper

83 100

85 61.4 44.7 82.9

127 7.5 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 22.644 ug/L

RT: 9.929 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

Instrument :

MSVOA\_Y

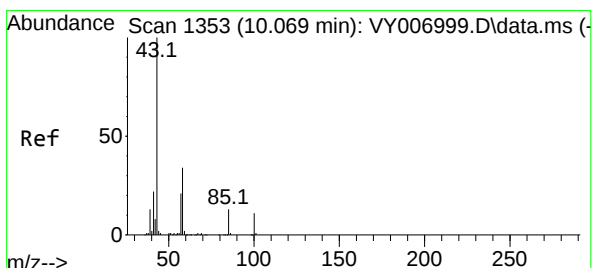
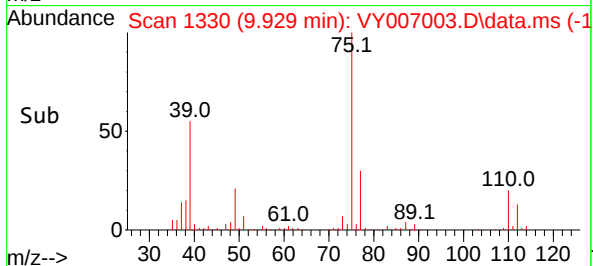
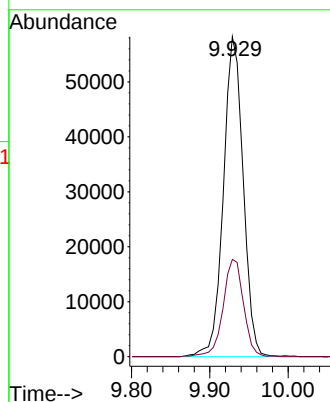
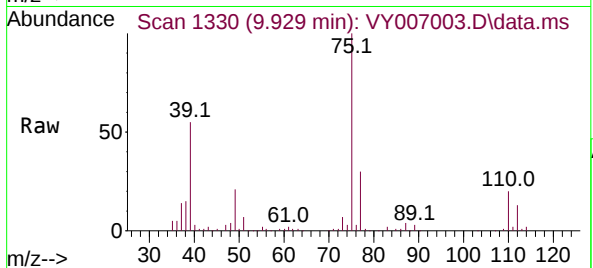
ClientSampleId :

Tgt Ion: 75 Resp: 102308

Ion Ratio Lower Upper

75 100

77 30.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 40.709 ug/L

RT: 10.069 min Scan# 1353

Delta R.T. -0.000 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

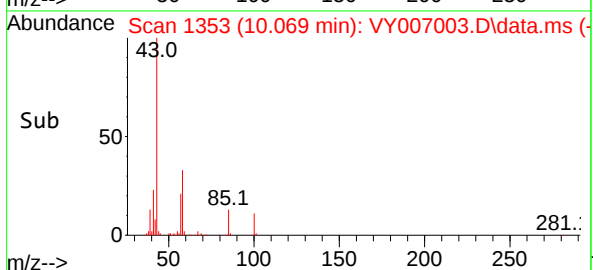
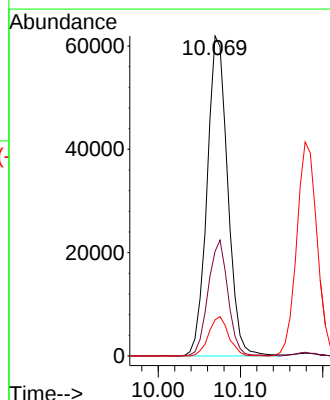
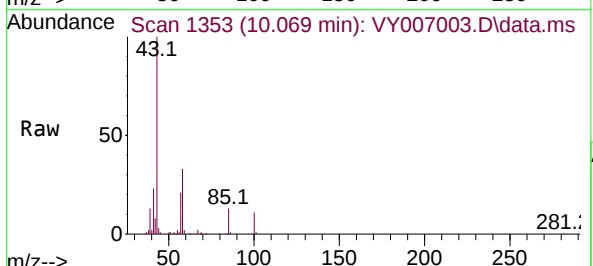
Tgt Ion: 43 Resp: 108038

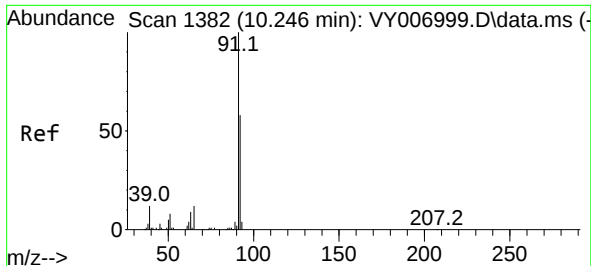
Ion Ratio Lower Upper

43 100

58 34.8 28.6 42.8

100 11.9 9.2 13.8

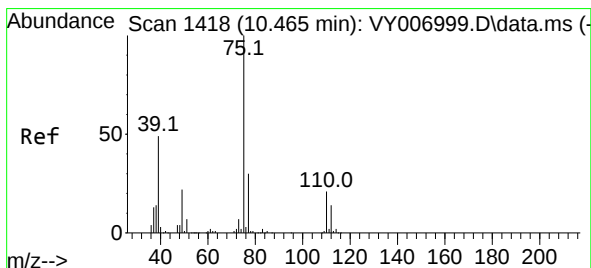
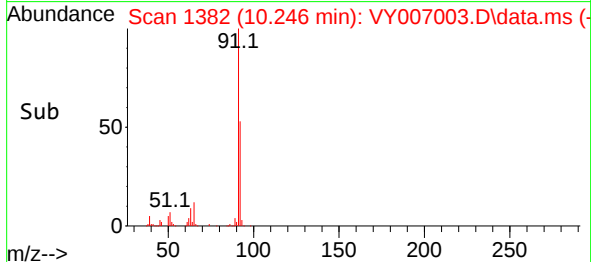
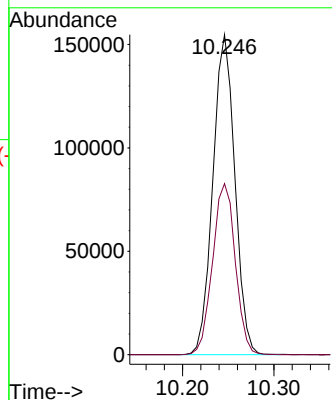
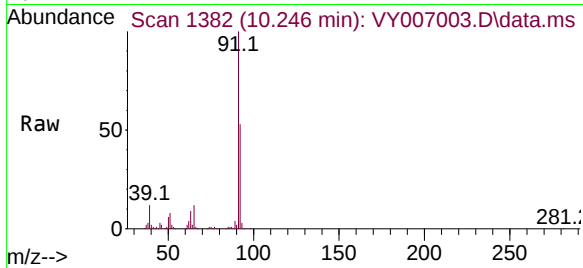




#42  
Toluene  
Concen: 22.618 ug/L  
RT: 10.246 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

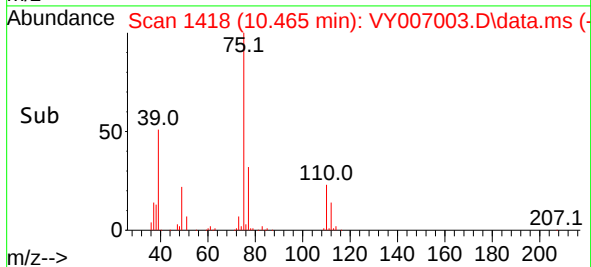
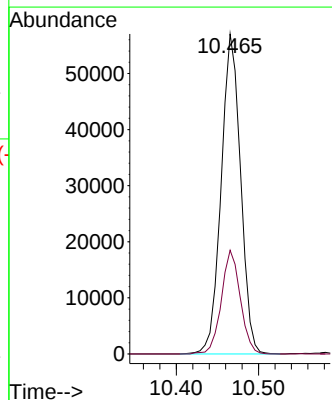
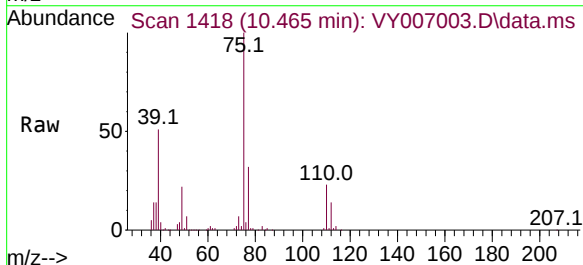
Instrument :  
MSVOA\_Y  
ClientSampleId :

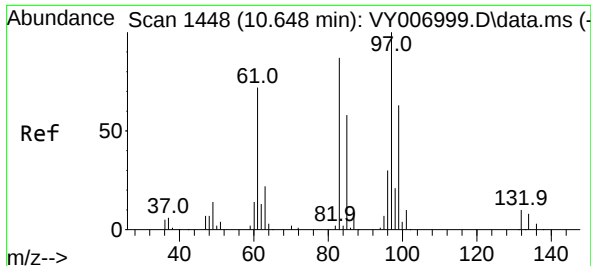
Tgt Ion: 91 Resp: 258571  
Ion Ratio Lower Upper  
91 100  
92 53.5 38.2 71.0



#44  
trans-1,3-Dichloropropene  
Concen: 22.395 ug/L  
RT: 10.465 min Scan# 1418  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Tgt Ion: 75 Resp: 93780  
Ion Ratio Lower Upper  
75 100  
77 32.4 21.8 40.6

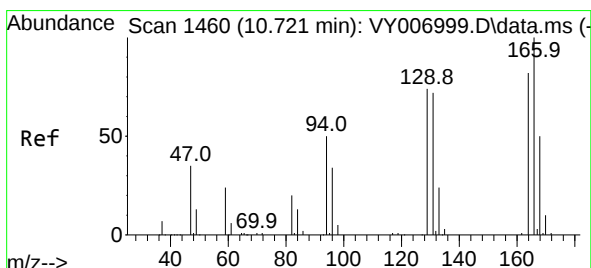
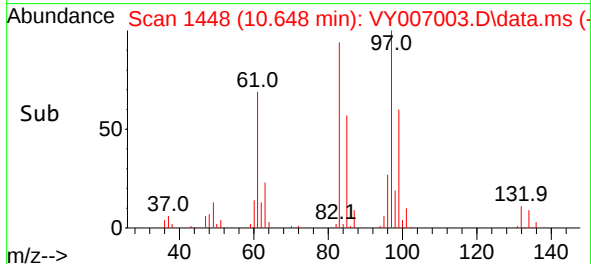
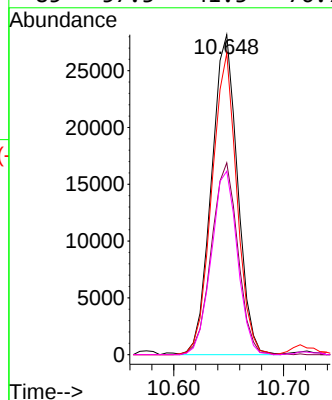
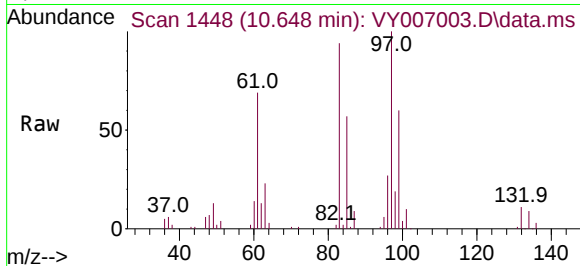




#45  
1,1,2-Trichloroethane  
Concen: 21.936 ug/L  
RT: 10.648 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

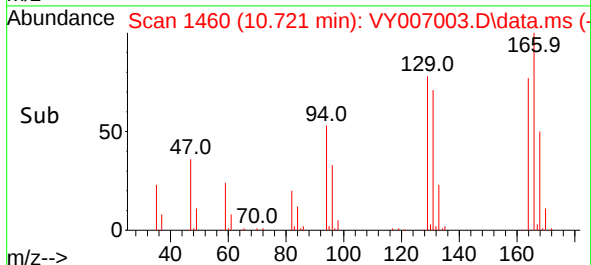
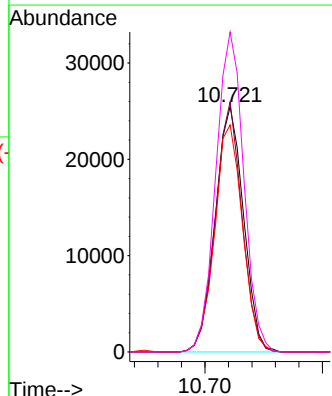
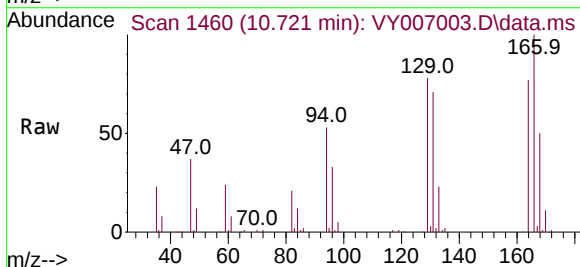
Instrument :  
MSVOA\_Y  
ClientSampleId :

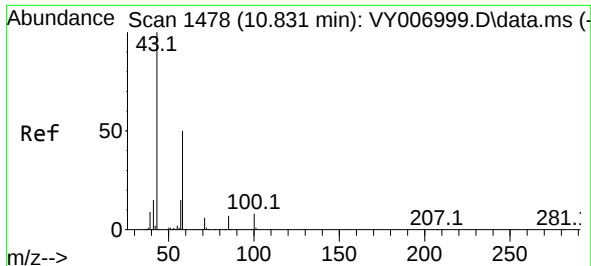
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 46526 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 59.9     | 43.4 80.6   |
| 83 94.2     | 59.8 111.1  |
| 85 57.3     | 41.3 76.7   |



#46  
Tetrachloroethene  
Concen: 21.099 ug/L  
RT: 10.721 min Scan# 1460  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

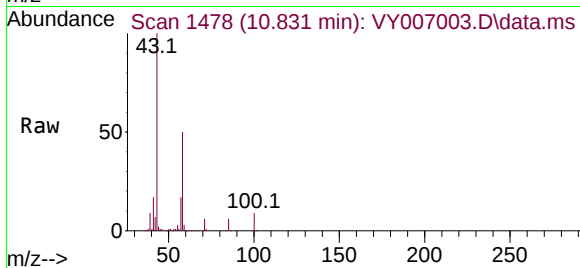
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 42379 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 102.0   | 64.0  | 118.8 |
| 131 | 92.5    | 60.5  | 112.5 |
| 166 | 130.4   | 89.2  | 165.8 |



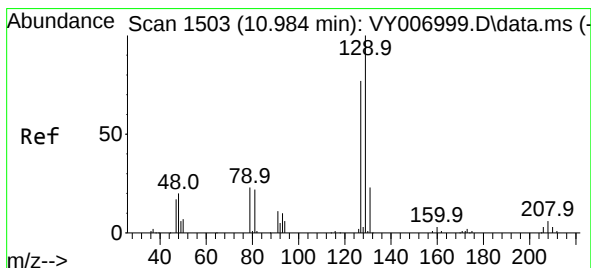
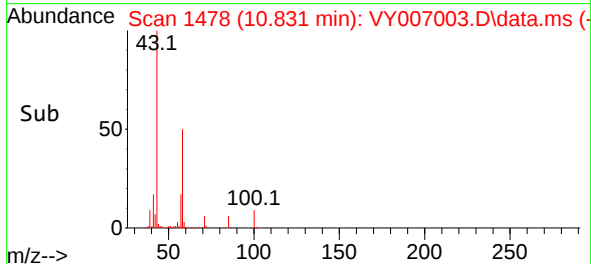
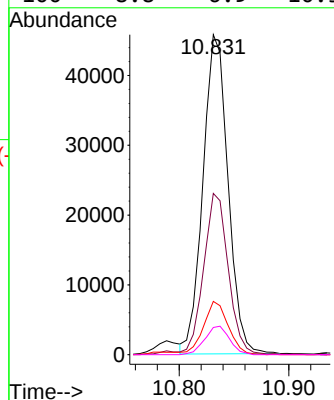


#48  
2-Hexanone  
Concen: 40.138 ug/L  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Instrument :  
MSVOA\_Y  
ClientSampleId :

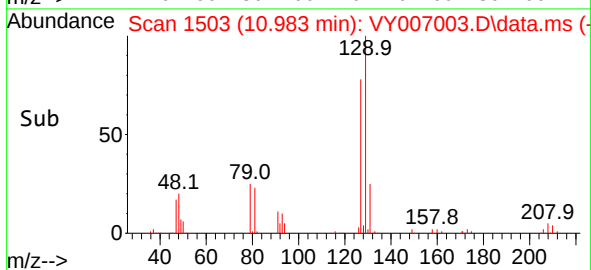
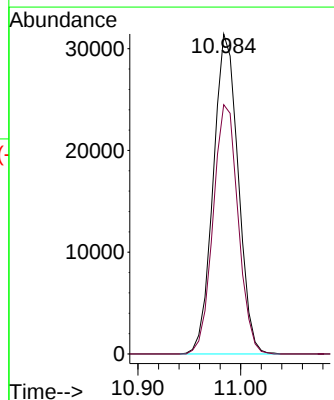
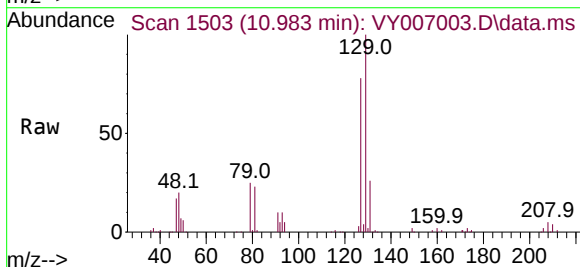


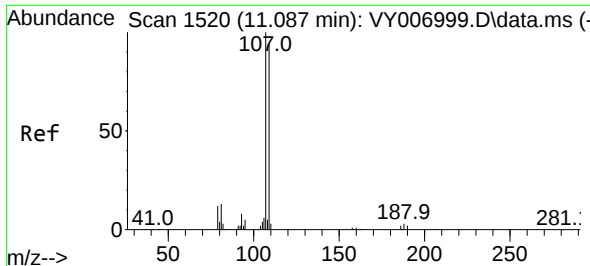
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 72729 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 49.6     | 40.1 60.1   |
| 57 16.5     | 13.0 19.6   |
| 100 8.8     | 6.9 10.3    |



#49  
Dibromochloromethane  
Concen: 21.804 ug/L  
RT: 10.983 min Scan# 1503  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion:129 | Resp: 52903 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 129 100     |             |       |  |
| 127 77.9    | 52.8        | 98.2  |  |

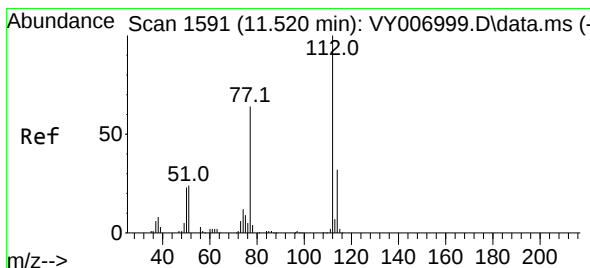
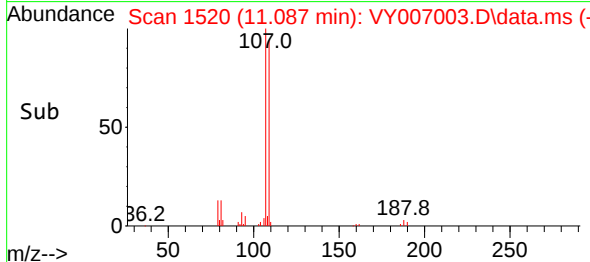
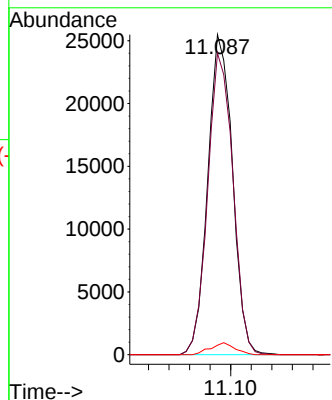
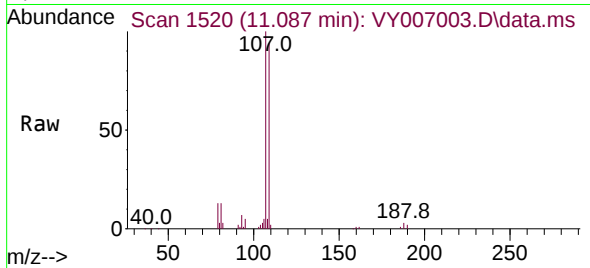




#50  
1,2-Dibromoethane  
Concen: 21.370 ug/L  
RT: 11.087 min Scan# 1520  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

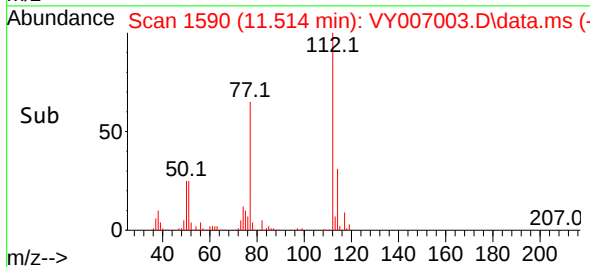
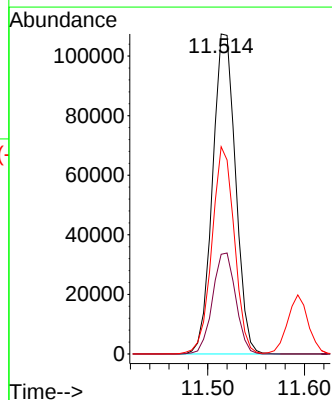
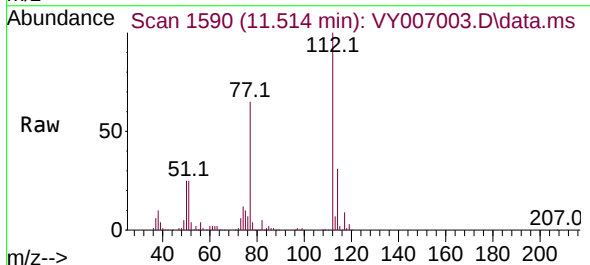
Instrument :  
MSVOA\_Y  
ClientSampleId :

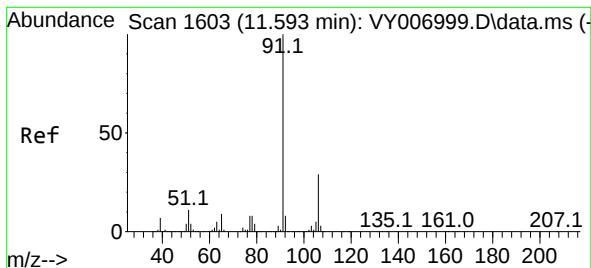
Tgt Ion:107 Resp: 42483  
Ion Ratio Lower Upper  
107 100  
109 94.2 65.5 121.7  
188 3.0 2.6 3.8



#51  
Chlorobenzene  
Concen: 26.202 ug/L  
RT: 11.514 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Tgt Ion:112 Resp: 177488  
Ion Ratio Lower Upper  
112 100  
114 31.2 22.3 41.3  
77 64.7 49.8 74.8

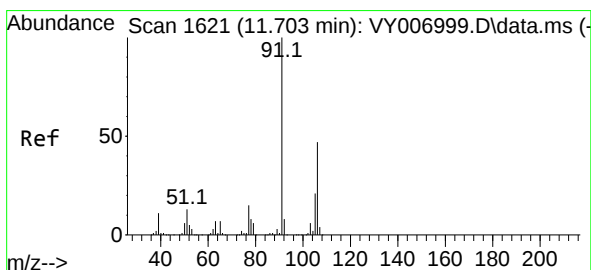
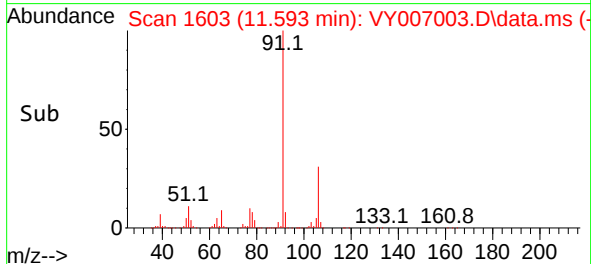
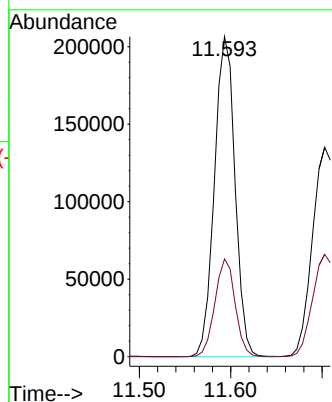
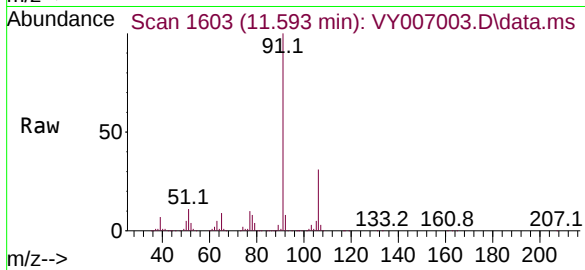




#52  
Ethylbenzene  
Concen: 25.747 ug/L  
RT: 11.593 min Scan# 1603  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

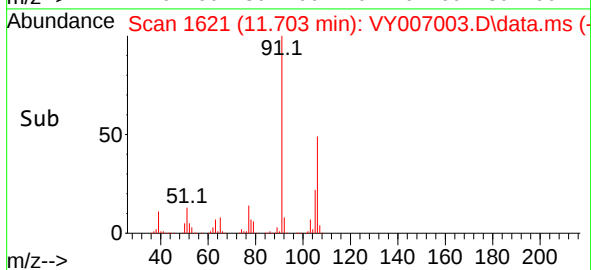
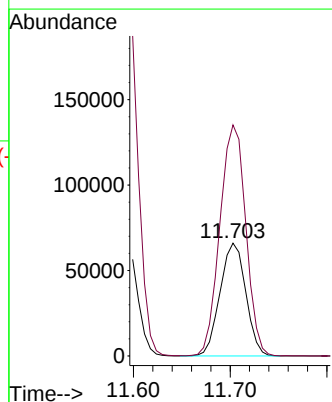
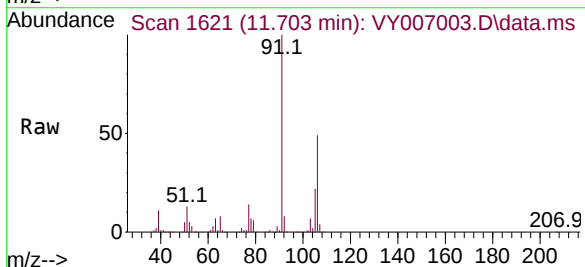
Instrument :  
MSVOA\_Y  
ClientSampleId :

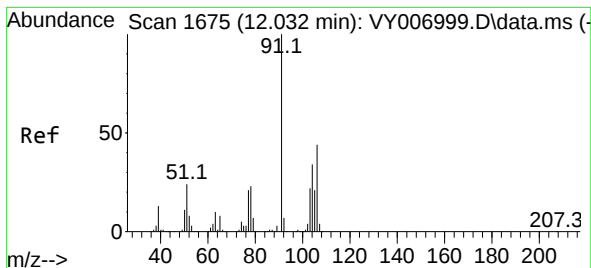
Tgt Ion: 91 Resp: 323196  
Ion Ratio Lower Upper  
91 100  
106 30.5 21.3 39.6



#53  
m,p-Xylene  
Concen: 26.355 ug/L  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Tgt Ion:106 Resp: 121850  
Ion Ratio Lower Upper  
106 100  
91 204.7 148.8 276.4





#54

o-Xylene

Concen: 26.472 ug/L

RT: 12.032 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

Instrument :

MSVOA\_Y

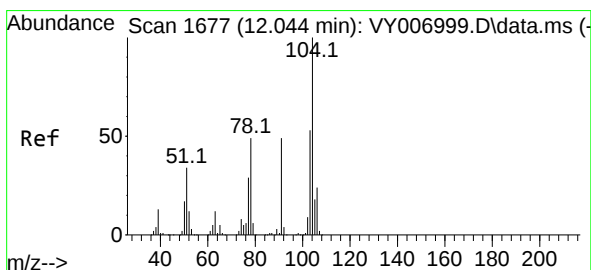
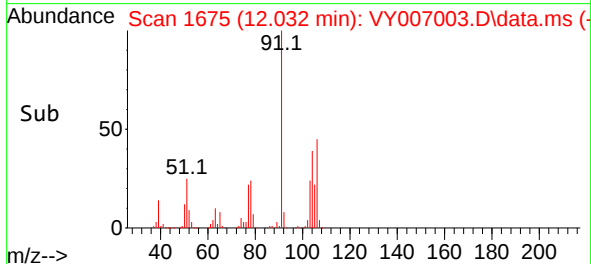
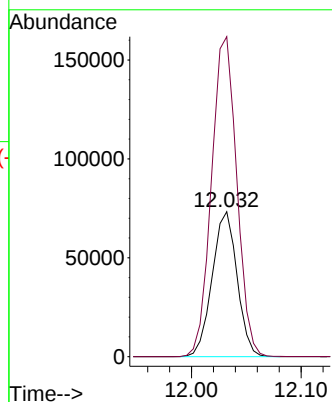
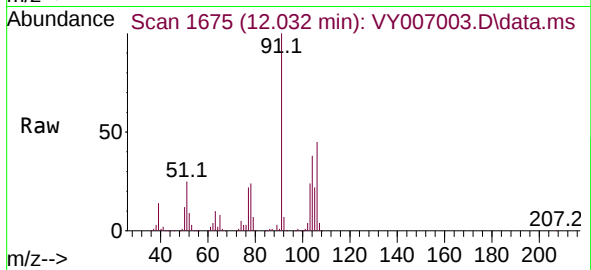
ClientSampleId :

Tgt Ion:106 Resp: 115861

Ion Ratio Lower Upper

106 100

91 220.6 152.0 282.2



#55

Styrene

Concen: 26.565 ug/L

RT: 12.044 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VY007003.D

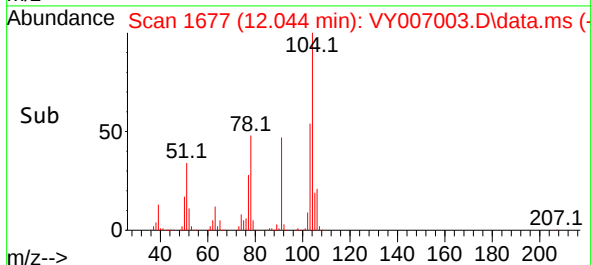
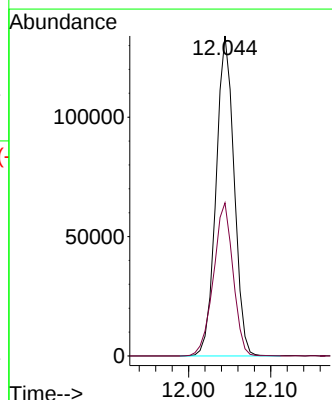
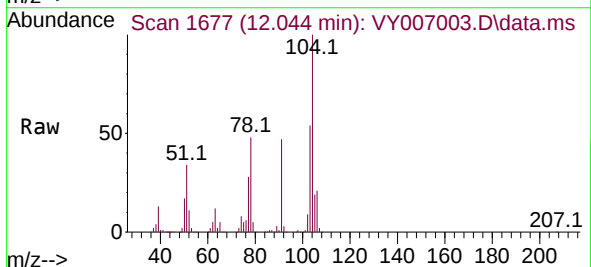
Acq: 07 Dec 2021 18:00

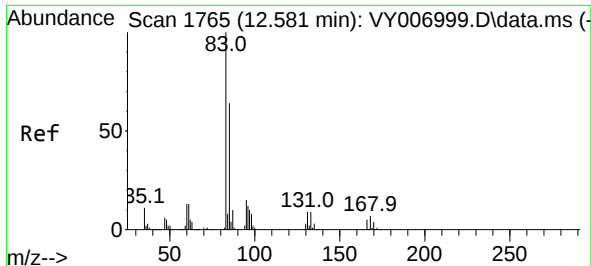
Tgt Ion:104 Resp: 204916

Ion Ratio Lower Upper

104 100

78 47.9 34.2 63.6





#57

1,1,2,2-Tetrachloroethane

Concen: 24.130 ug/L

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

Instrument :

MSVOA\_Y

ClientSampleId :

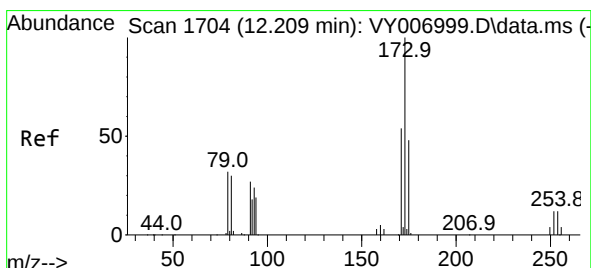
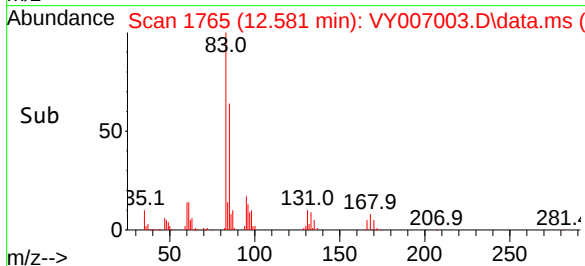
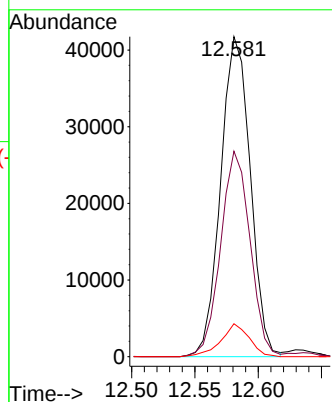
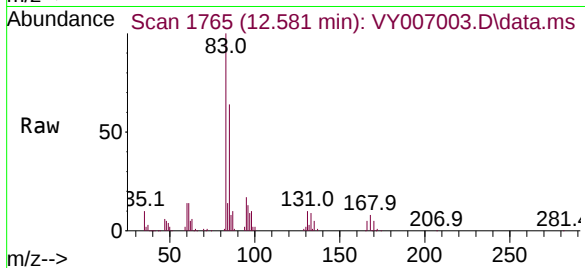
Tgt Ion: 83 Resp: 68003

Ion Ratio Lower Upper

83 100

85 64.2 44.2 82.2

131 10.3 7.4 11.0



#59

Bromoform

Concen: 25.788 ug/L

RT: 12.209 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

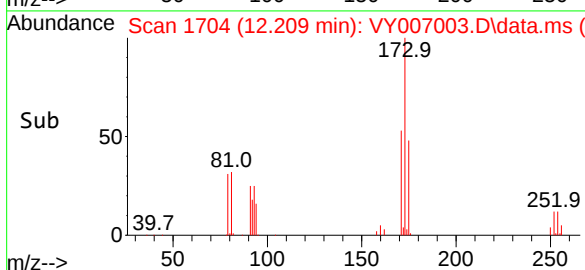
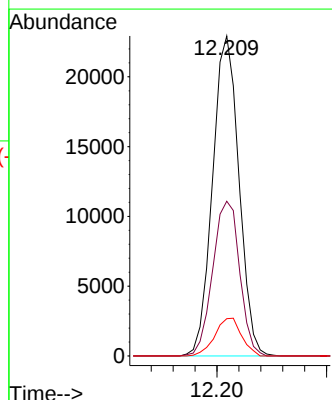
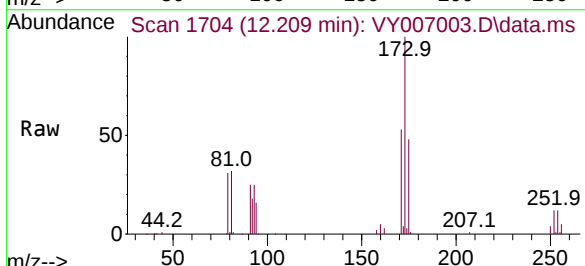
Tgt Ion: 173 Resp: 38283

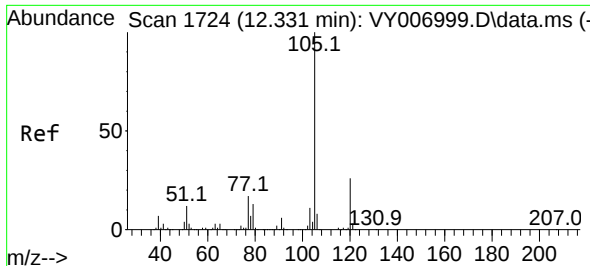
Ion Ratio Lower Upper

173 100

175 49.4 39.2 58.8

254 12.0 9.3 13.9

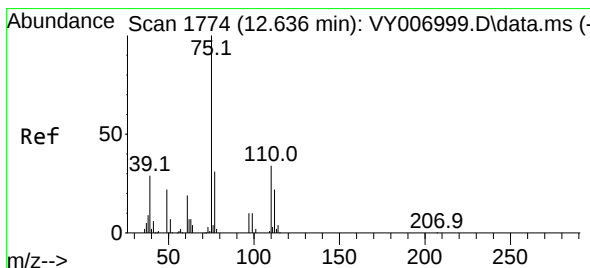
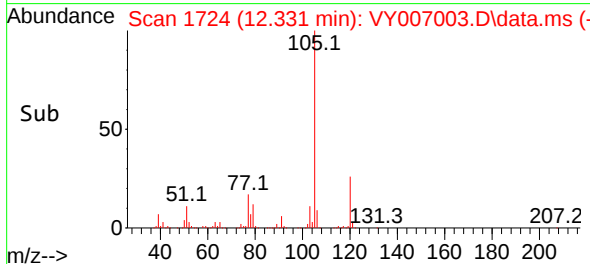
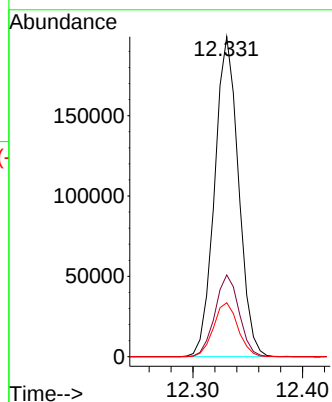
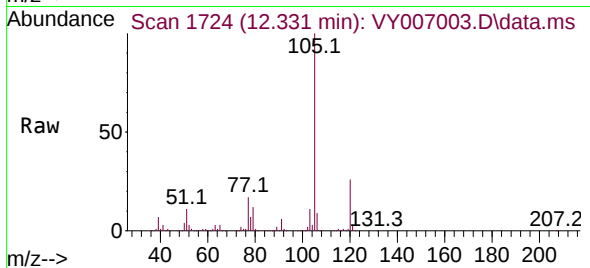




#60  
Isopropylbenzene  
Concen: 27.258 ug/L  
RT: 12.331 min Scan# 1724  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

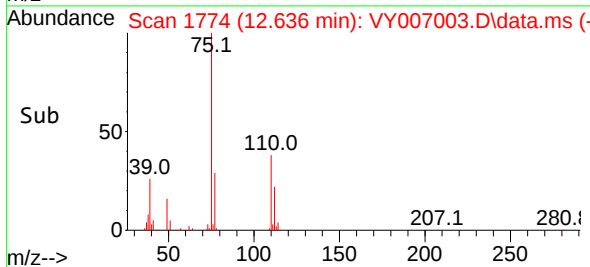
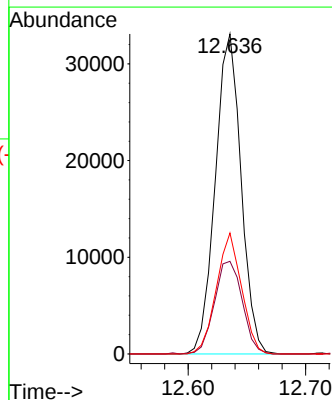
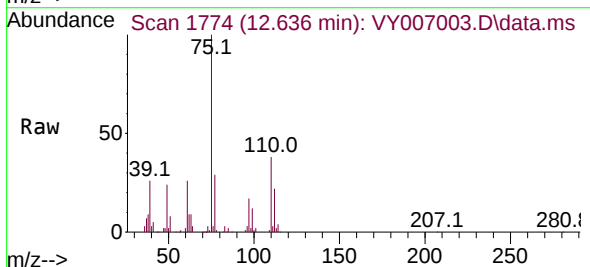
Instrument :  
MSVOA\_Y  
ClientSampleId :

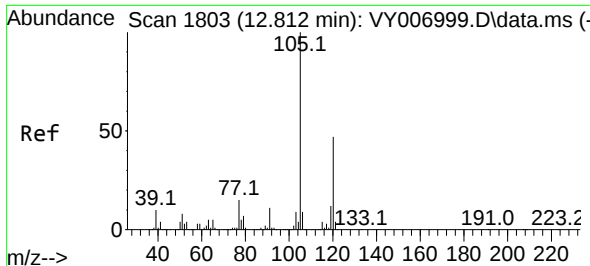
Tgt Ion:105 Resp: 301842  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.7 31.1  
77 17.2 13.5 20.3



#61  
1,2,3-Trichloropropane  
Concen: 24.682 ug/L  
RT: 12.636 min Scan# 1774  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Tgt Ion: 75 Resp: 50453  
Ion Ratio Lower Upper  
75 100  
77 31.3 25.3 37.9  
110 36.9 28.7 43.1

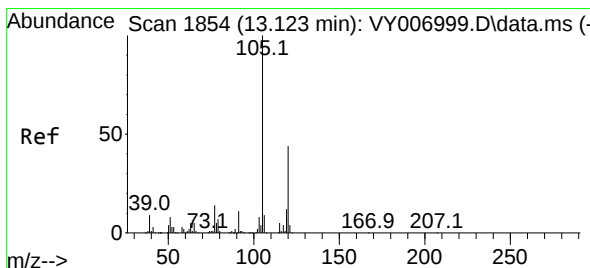
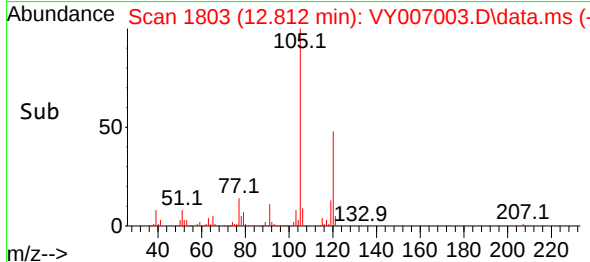
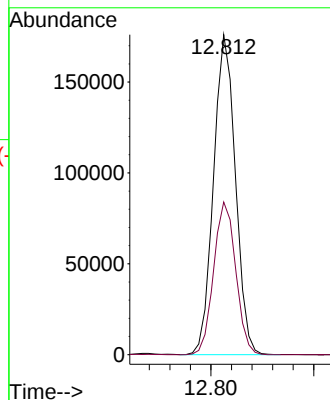
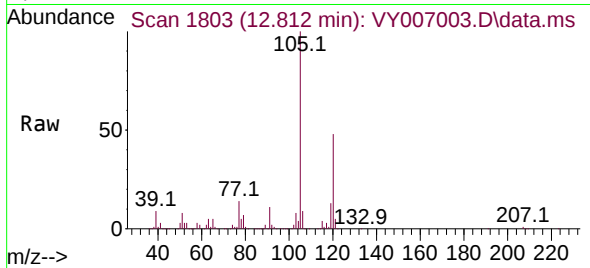




#62  
 1,3,5-Trimethylbenzene  
 Concen: 29.217 ug/L  
 RT: 12.812 min Scan# 1803  
 Delta R.T. -0.000 min  
 Lab File: VY007003.D  
 Acq: 07 Dec 2021 18:00

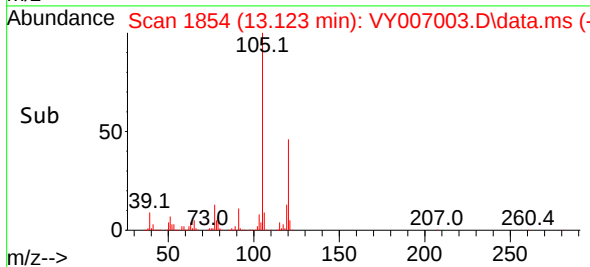
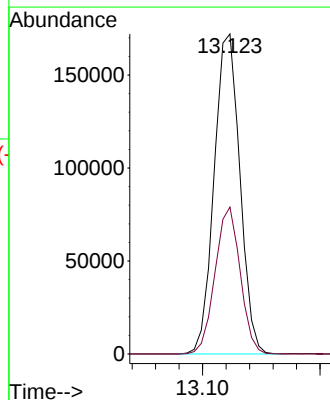
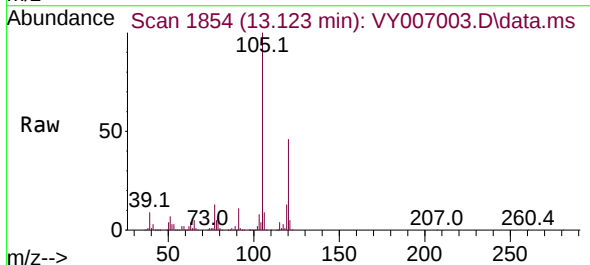
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

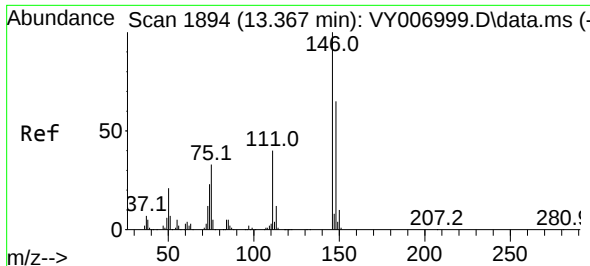
Tgt Ion:105 Resp: 259945  
 Ion Ratio Lower Upper  
 105 100  
 120 48.1 37.4 56.0



#63  
 1,2,4-Trimethylbenzene  
 Concen: 28.473 ug/L  
 RT: 13.123 min Scan# 1854  
 Delta R.T. -0.000 min  
 Lab File: VY007003.D  
 Acq: 07 Dec 2021 18:00

Tgt Ion:105 Resp: 262148  
 Ion Ratio Lower Upper  
 105 100  
 120 44.7 35.4 53.2

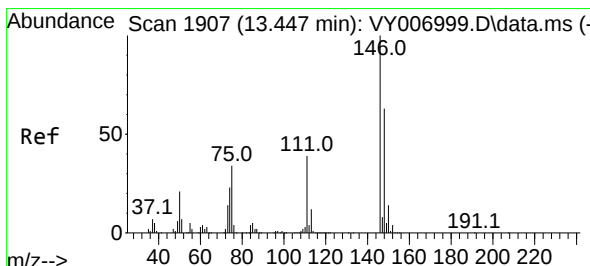
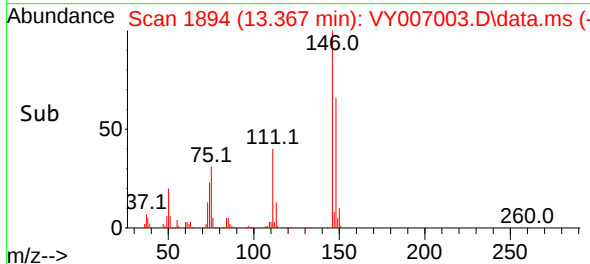
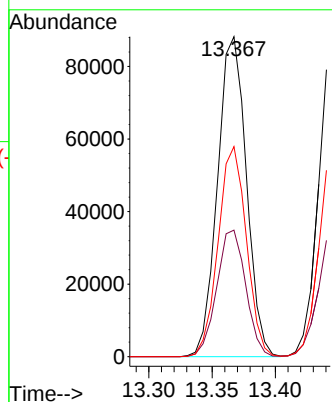
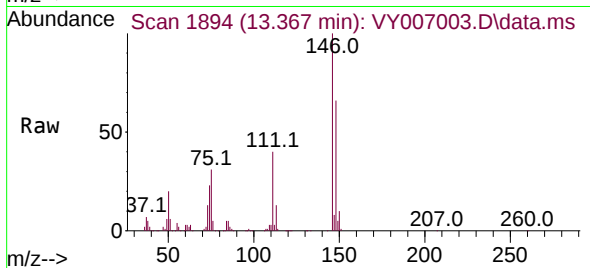




#64  
1,3-Dichlorobenzene  
Concen: 27.487 ug/L  
RT: 13.367 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

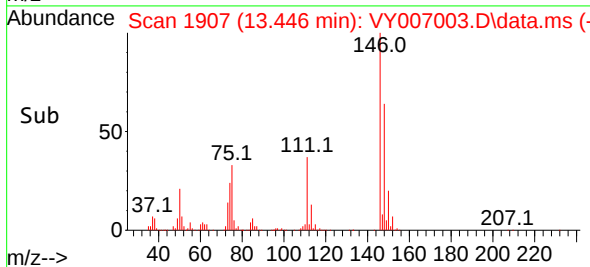
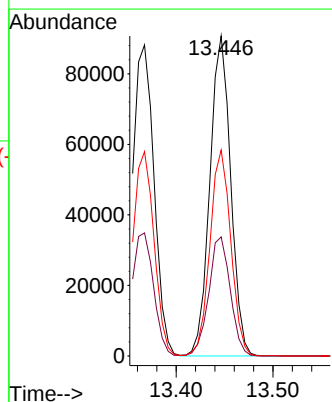
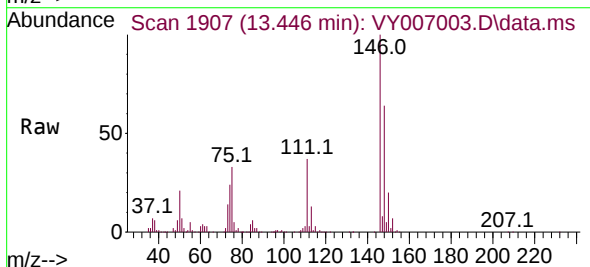
Instrument :  
MSVOA\_Y  
ClientSampleId :

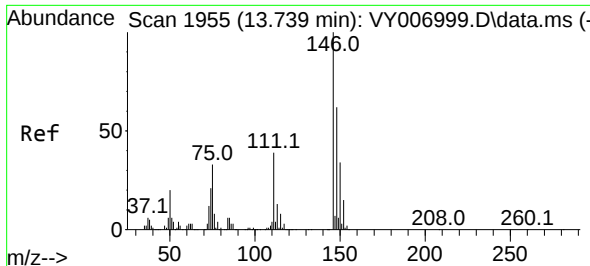
Tgt Ion:146 Resp: 139851  
Ion Ratio Lower Upper  
146 100  
111 39.6 27.2 50.6  
148 65.7 45.1 83.7



#65  
1,4-Dichlorobenzene  
Concen: 26.525 ug/L  
RT: 13.446 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Tgt Ion:146 Resp: 136013  
Ion Ratio Lower Upper  
146 100  
111 37.2 24.6 45.6  
148 64.3 44.4 82.4

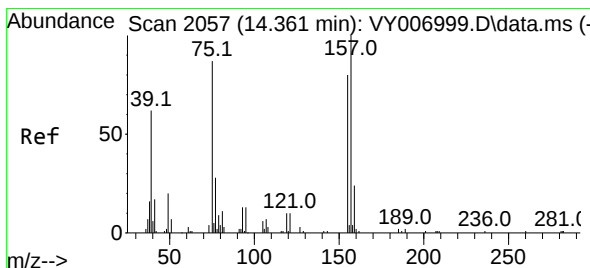
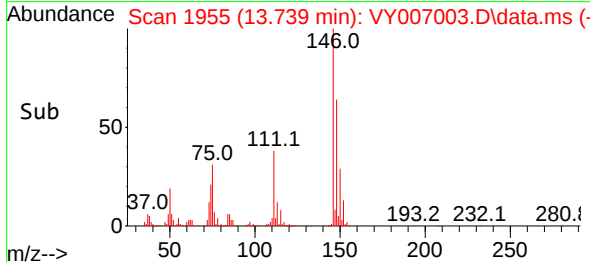
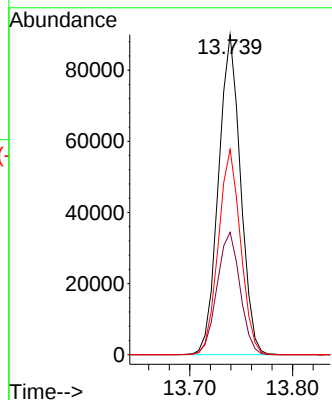
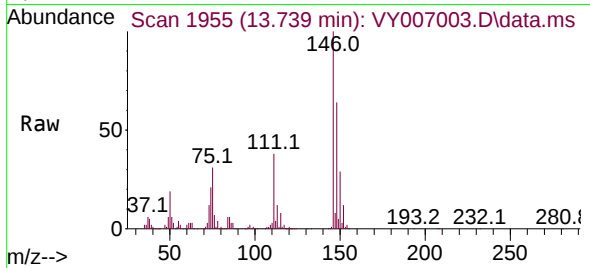




#67  
1,2-Dichlorobenzene  
Concen: 29.017 ug/L  
RT: 13.739 min Scan# 1955  
Delta R.T. -0.000 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

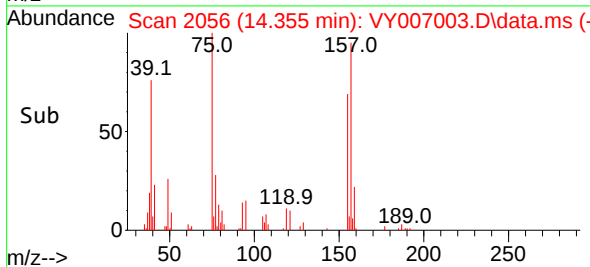
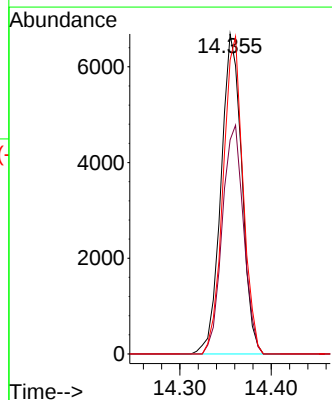
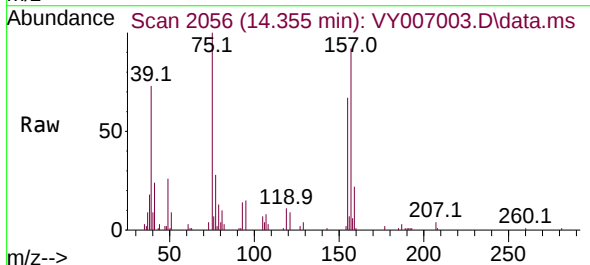
Instrument :  
MSVOA\_Y  
ClientSampleId :

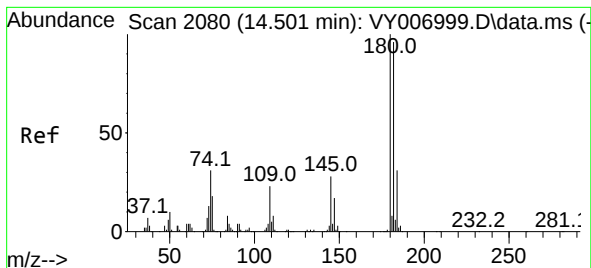
Tgt Ion:146 Resp: 133924  
Ion Ratio Lower Upper  
146 100  
111 38.3 32.8 49.2  
148 64.2 51.7 77.5



#68  
1,2-Dibromo-3-chloropropane  
Concen: 21.528 ug/L  
RT: 14.355 min Scan# 2056  
Delta R.T. -0.006 min  
Lab File: VY007003.D  
Acq: 07 Dec 2021 18:00

Tgt Ion: 75 Resp: 10564  
Ion Ratio Lower Upper  
75 100  
155 66.9 61.0 91.6  
157 91.8 75.4 113.2





#69

1,3,5-Trichlorobenzene

Concen: 25.643 ug/L

RT: 14.501 min Scan# 2080

Delta R.T. -0.000 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion:180 Resp: 95736

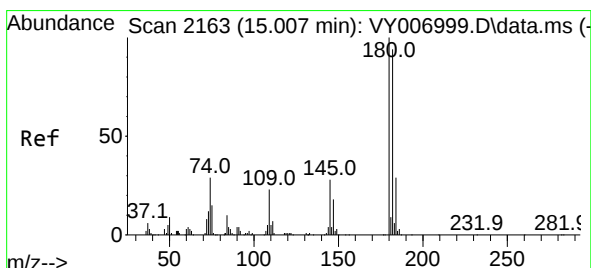
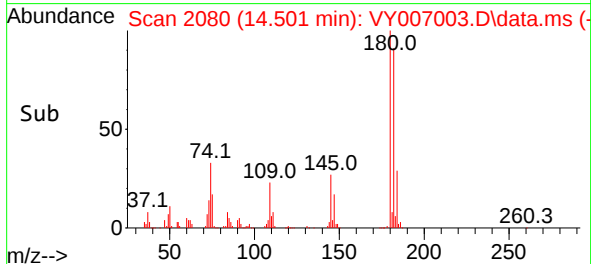
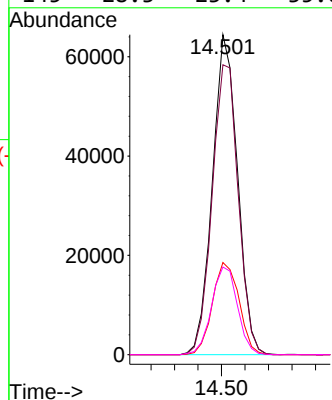
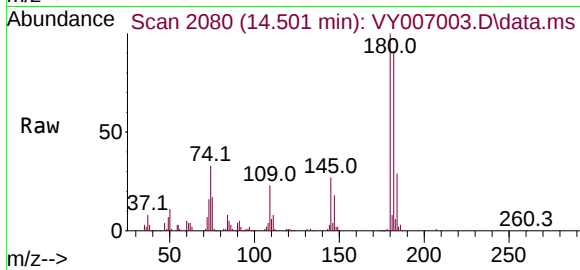
Ion Ratio Lower Upper

180 100

182 94.2 75.5 113.3

184 30.5 24.1 36.1

145 28.3 23.4 35.0



#70

1,2,4-trichlorobenzene

Concen: 24.265 ug/L

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

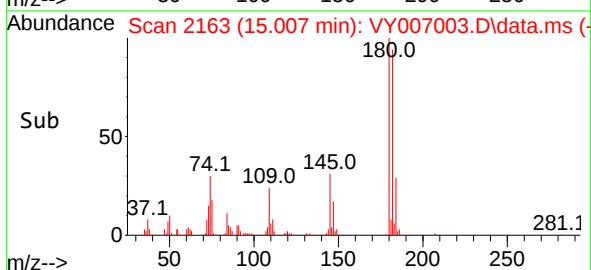
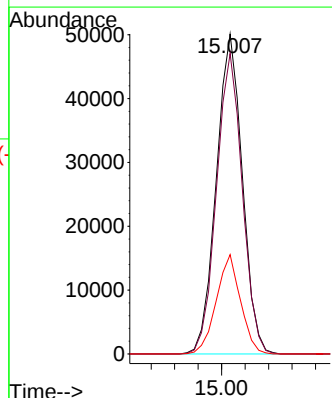
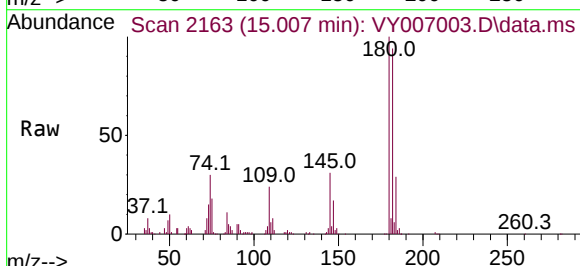
Tgt Ion:180 Resp: 77041

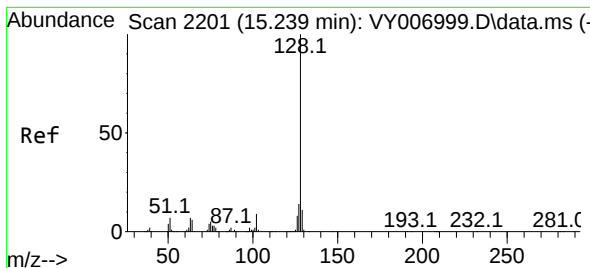
Ion Ratio Lower Upper

180 100

182 93.0 74.6 112.0

145 28.9 22.7 34.1





#71

Naphthalene

Concen: 23.001 ug/L

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min MSVOA\_Y

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

Instrument :

MSVOA\_Y

ClientSampleId :

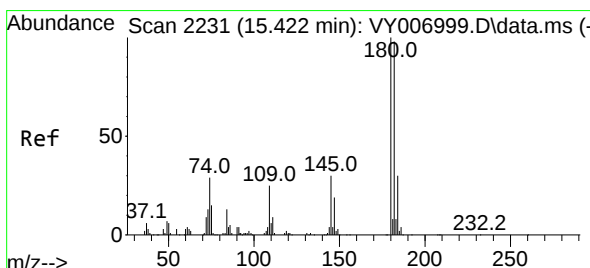
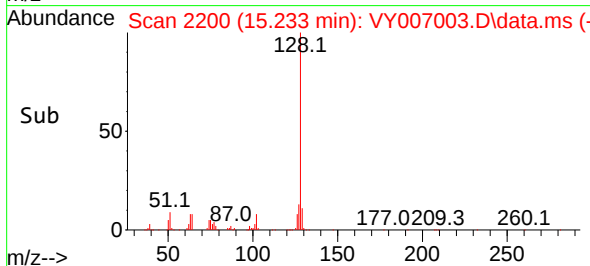
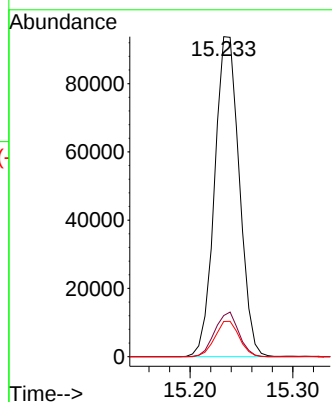
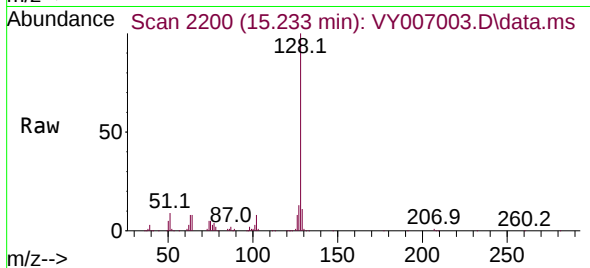
Tgt Ion:128 Resp: 156225

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 21.683 ug/L

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY007003.D

Acq: 07 Dec 2021 18:00

Tgt Ion:180 Resp: 64054

Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.2

145 31.2 23.7 35.5

