

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082724\  
 Data File : VY019303.D  
 Acq On : 28 Aug 2024 00:31  
 Operator : SY/MD  
 Sample : VY0827SBS02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 28 03:33:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.701  | 168  | 106361   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.609  | 114  | 171767   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 146137   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 73645    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 53361    | 50.049   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 100.100% |      |
| 35) Dibromofluoromethane    | 7.628  | 113   | 52169    | 46.450   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 92.900%  |      |
| 50) Toluene-d8              | 10.103 | 98    | 167344   | 41.404   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 82.800%  |      |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 63872    | 46.358   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 92.720%  |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.861 | 85  | 16694  | 21.393  | ug/l   | 89  |
| 3) Chloromethane             | 2.062 | 50  | 29392  | 20.896  | ug/l   | 96  |
| 4) Vinyl Chloride            | 2.196 | 62  | 33008  | 18.998  | ug/l   | 99  |
| 5) Bromomethane              | 2.574 | 94  | 22440  | 17.285  | ug/l   | 96  |
| 6) Chloroethane              | 2.726 | 64  | 18963  | 15.965  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.043 | 101 | 47196  | 17.967  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.446 | 74  | 11709  | 20.651  | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 3.805 | 101 | 22407  | 19.188  | ug/l   | 97  |
| 10) Methyl Iodide            | 3.994 | 142 | 21792  | 19.039  | ug/l   | 94  |
| 11) Tert butyl alcohol       | 4.836 | 59  | 13652  | 130.447 | ug/l # | 88  |
| 12) 1,1-Dichloroethene       | 3.775 | 96  | 20917  | 19.715  | ug/l   | 98  |
| 13) Acrolein                 | 3.647 | 56  | 7100   | 74.861  | ug/l   | 98  |
| 14) Allyl chloride           | 4.366 | 41  | 28892  | 20.482  | ug/l   | 90  |
| 15) Acrylonitrile            | 5.049 | 53  | 26289  | 113.317 | ug/l   | 99  |
| 16) Acetone                  | 3.854 | 43  | 21546  | 108.968 | ug/l # | 78  |
| 17) Carbon Disulfide         | 4.092 | 76  | 55156  | 18.432  | ug/l # | 93  |
| 18) Methyl Acetate           | 4.366 | 43  | 15679  | 25.837  | ug/l   | 91  |
| 19) Methyl tert-butyl Ether  | 5.098 | 73  | 53863  | 20.941  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.604 | 84  | 34578  | 22.543  | ug/l   | 96  |
| 21) trans-1,2-Dichloroethene | 5.098 | 96  | 24549  | 20.711  | ug/l   | 95  |
| 22) Diisopropyl ether        | 6.006 | 45  | 68388  | 21.178  | ug/l # | 91  |
| 23) Vinyl Acetate            | 5.945 | 43  | 260864 | 102.036 | ug/l   | 96  |
| 24) 1,1-Dichloroethane       | 5.902 | 63  | 40975  | 20.749  | ug/l   | 97  |
| 25) 2-Butanone               | 6.878 | 43  | 34887  | 109.558 | ug/l   | 92  |
| 26) 2,2-Dichloropropane      | 6.872 | 77  | 29764  | 18.612  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 6.878 | 96  | 28378  | 20.344  | ug/l   | 96  |
| 28) Bromochloromethane       | 7.238 | 49  | 17433  | 21.044  | ug/l   | 96  |
| 29) Tetrahydrofuran          | 7.256 | 42  | 22621  | 110.509 | ug/l   | 89  |
| 30) Chloroform               | 7.408 | 83  | 46535  | 21.148  | ug/l   | 96  |
| 31) Cyclohexane              | 7.695 | 56  | 32348  | 18.515  | ug/l   | 95  |
| 32) 1,1,1-Trichloroethane    | 7.603 | 97  | 41629  | 21.527  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.829 | 75  | 31576  | 20.474  | ug/l   | 98  |
| 37) Ethyl Acetate            | 6.969 | 43  | 16032  | 23.463  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 7.805 | 117 | 37638  | 21.059  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.103 | 83  | 37016  | 18.703  | ug/l   | 95  |
| 40) Benzene                  | 8.073 | 78  | 94642  | 20.009  | ug/l   | 97  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082724\  
 Data File : VY019303.D  
 Acq On : 28 Aug 2024 00:31  
 Operator : SY/MD  
 Sample : VY0827SBSD02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 28 03:33:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.244  | 41   | 12235    | 32.807  | ug/l # | 36       |
| 42) 1,2-Dichloroethane        | 8.152  | 62   | 29154    | 22.825  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.189  | 43   | 30278    | 21.911  | ug/l # | 79       |
| 44) Trichloroethene           | 8.859  | 130  | 26750    | 20.268  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.134  | 63   | 22604    | 21.449  | ug/l   | 99       |
| 46) Dibromomethane            | 9.231  | 93   | 14360    | 21.009  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.414  | 83   | 35108    | 20.936  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 13099    | 21.270  | ug/l # | 86       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 3470     | 419.086 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43   | 79755    | 108.741 | ug/l   | 93       |
| 52) Toluene                   | 10.170 | 92   | 54127    | 17.433  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 26072    | 18.742  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 32325    | 19.322  | ug/l # | 83       |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 15834    | 17.995  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 22239    | 19.309  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 26492    | 18.469  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 55298    | 101.208 | ug/l   | 96       |
| 59) 2-Hexanone                | 10.761 | 43   | 43117    | 85.569  | ug/l   | 93       |
| 60) Dibromochloromethane      | 10.908 | 129  | 22555    | 18.820  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.011 | 107  | 17472    | 20.544  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.646 | 164  | 24391    | 19.095  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.444 | 112  | 69311    | 20.598  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131  | 24848    | 20.998  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.517 | 91   | 115121   | 19.711  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.627 | 106  | 95637    | 41.268  | ug/l   | 97       |
| 69) o-Xylene                  | 11.950 | 106  | 44394    | 20.686  | ug/l   | 99       |
| 70) Styrene                   | 11.968 | 104  | 74597    | 20.384  | ug/l   | 97       |
| 71) Bromoform                 | 12.127 | 173  | 13756    | 20.335  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.255 | 105  | 113631   | 20.131  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 25096    | 20.389  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 20066    | 19.968  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 26191    | 36.062  | ug/l # | 100      |
| 77) Bromobenzene              | 12.529 | 156  | 27500    | 20.286  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.596 | 91   | 135662   | 20.105  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 77166    | 20.398  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 93381    | 20.308  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 5735     | 19.502  | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 79228    | 20.130  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 84388    | 19.872  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.041 | 105  | 92139    | 20.105  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 121600   | 19.650  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.291 | 119  | 100110   | 19.695  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 53248    | 19.918  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 53284    | 20.051  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.621 | 91   | 89323    | 19.275  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.883 | 117  | 20760    | 20.721  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 47191    | 20.071  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 3226     | 21.822  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 26460    | 19.955  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 16060    | 23.253  | ug/l   | 96       |
| 95) Naphthalene               | 15.145 | 128  | 48861    | 20.647  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 22905    | 20.481  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082724\  
Data File : VY019303.D  
Acq On : 28 Aug 2024 00:31  
Operator : SY/MD  
Sample : VY0827SBSD02  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 35 Sample Multiplier: 1

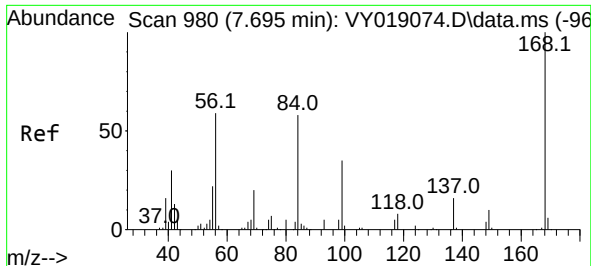
Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 28 03:33:48 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 16 05:10:30 2024  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

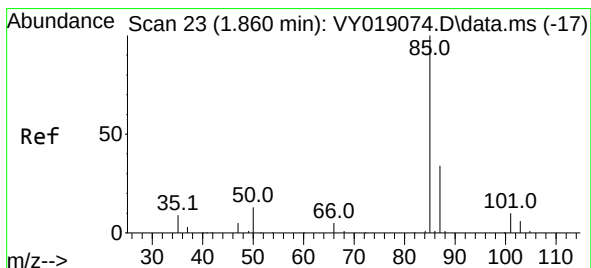
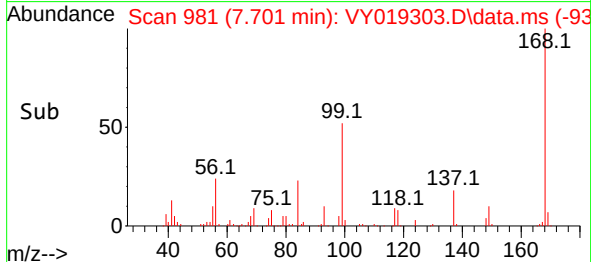
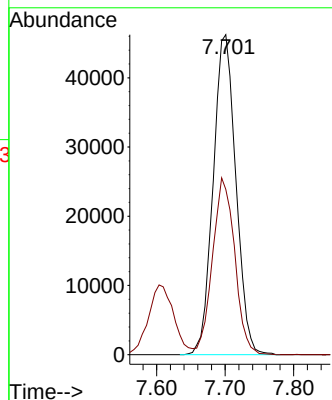
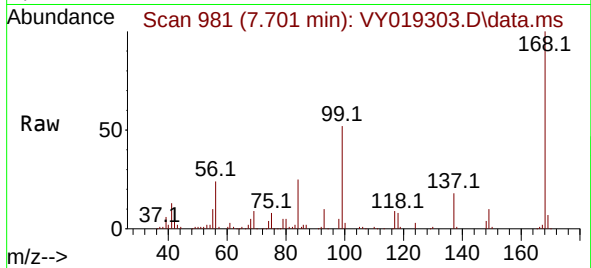




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

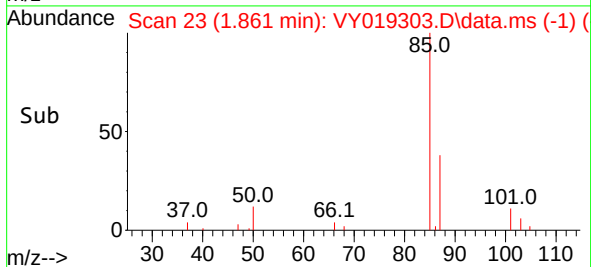
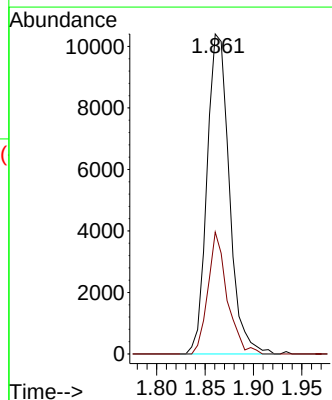
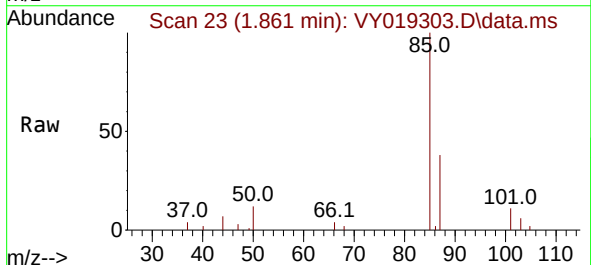
Instrument :  
MSVOA\_Y  
ClientSampleId :

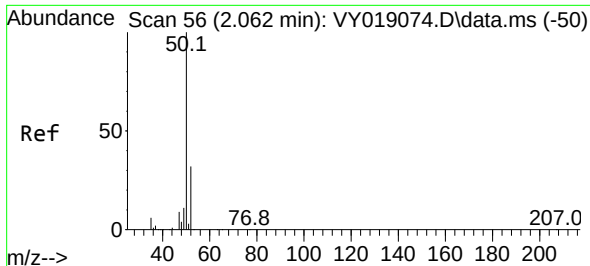
Tgt Ion:168 Resp: 106361  
Ion Ratio Lower Upper  
168 100  
99 51.7 39.1 58.7



#2  
Dichlorodifluoromethane  
Concen: 21.393 ug/l  
RT: 1.861 min Scan# 23  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 85 Resp: 16694  
Ion Ratio Lower Upper  
85 100  
87 38.1 16.0 48.0

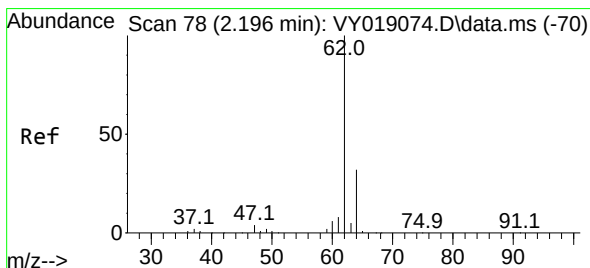
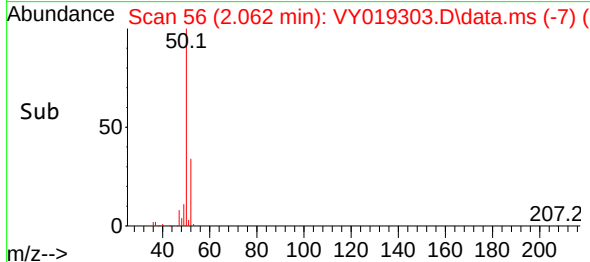
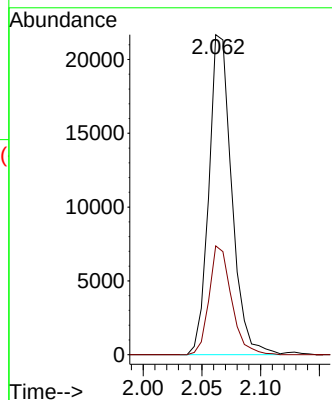
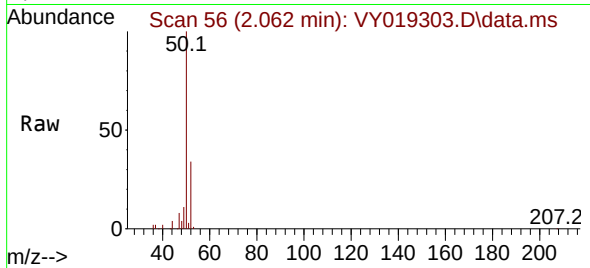




#3  
Chloromethane  
Concen: 20.896 ug/l  
RT: 2.062 min Scan# 50  
Delta R.T. -0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

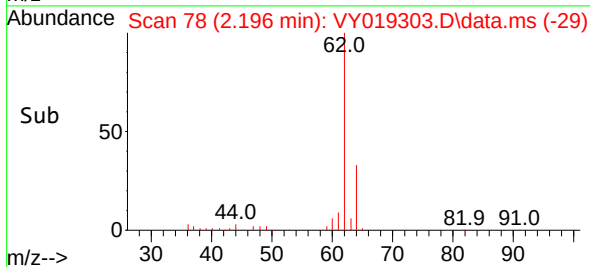
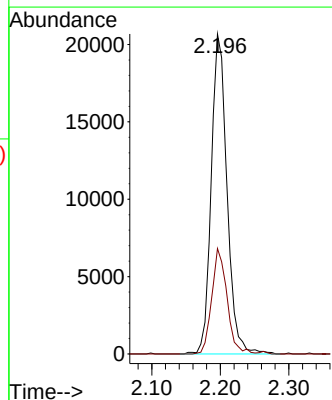
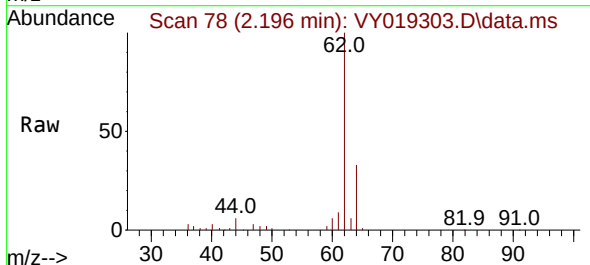
Instrument :  
MSVOA\_Y  
ClientSampleId :

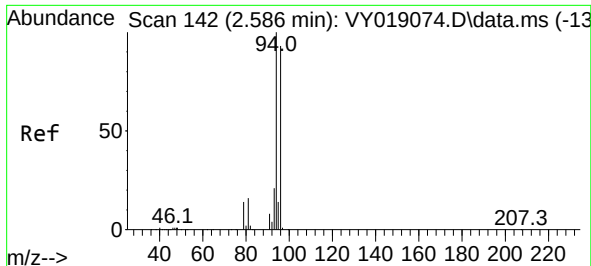
Tgt Ion: 50 Resp: 29392  
Ion Ratio Lower Upper  
50 100  
52 34.0 25.6 38.4



#4  
Vinyl Chloride  
Concen: 18.998 ug/l  
RT: 2.196 min Scan# 78  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 62 Resp: 33008  
Ion Ratio Lower Upper  
62 100  
64 32.9 26.1 39.1

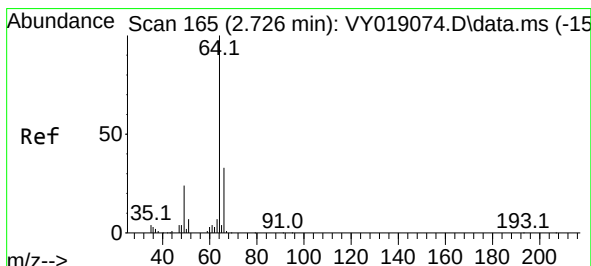
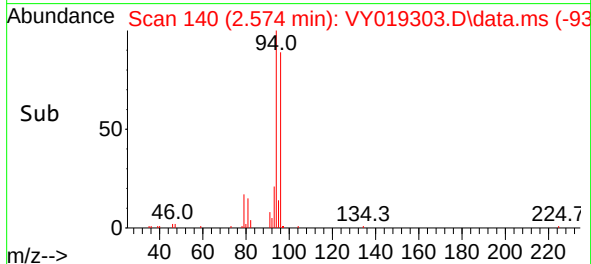
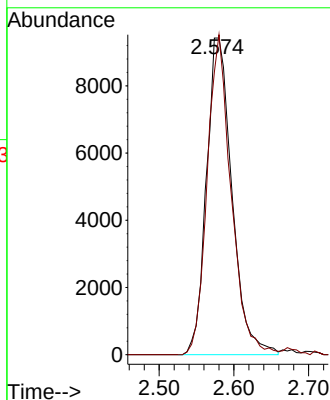
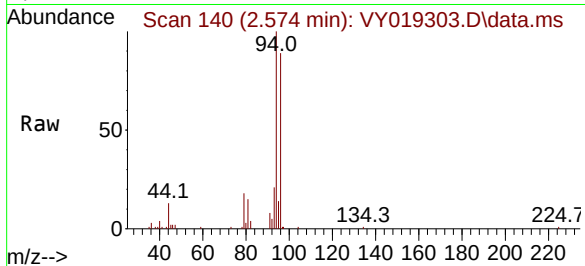




#5  
Bromomethane  
Concen: 17.285 ug/l  
RT: 2.574 min Scan# 142  
Delta R.T. -0.012 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

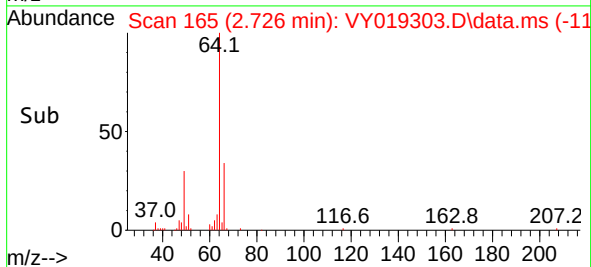
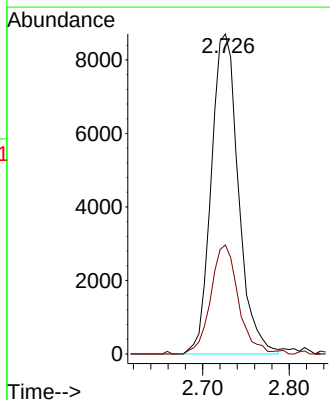
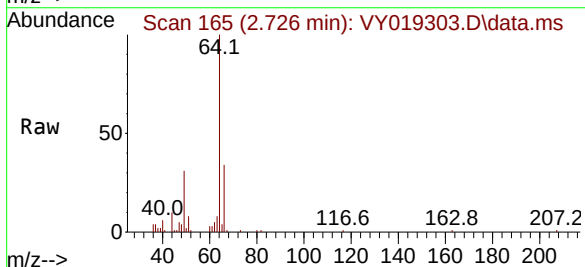
Instrument :  
MSVOA\_Y  
ClientSampleId :

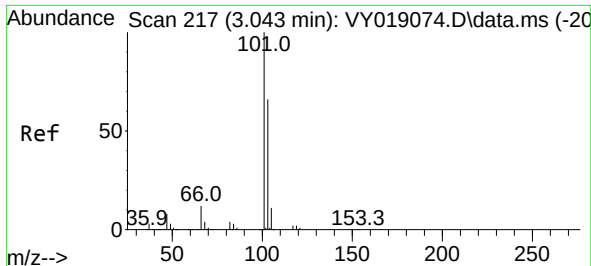
Tgt Ion: 94 Resp: 22440  
Ion Ratio Lower Upper  
94 100  
96 89.2 74.1 111.1



#6  
Chloroethane  
Concen: 15.965 ug/l  
RT: 2.726 min Scan# 165  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 64 Resp: 18963  
Ion Ratio Lower Upper  
64 100  
66 34.1 26.1 39.1

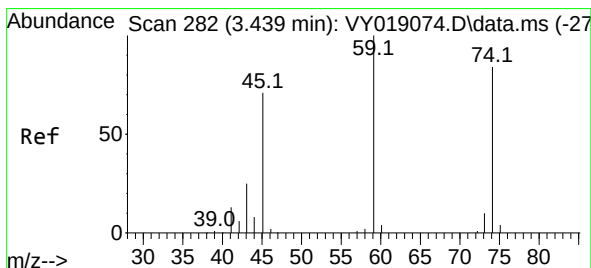
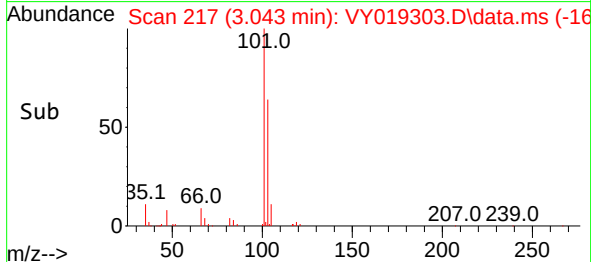
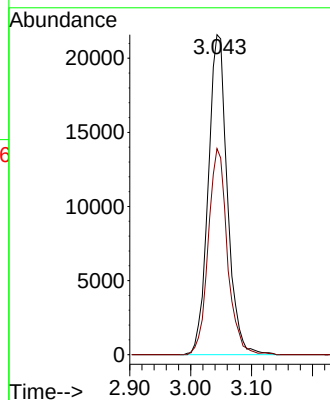
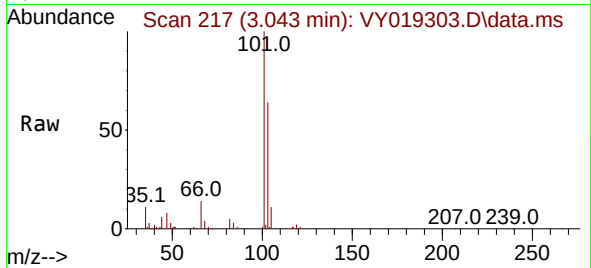




#7  
 Trichlorofluoromethane  
 Concen: 17.967 ug/l  
 RT: 3.043 min Scan# 217  
 Delta R.T. 0.000 min  
 Lab File: VY019303.D  
 Acq: 28 Aug 2024 00:31

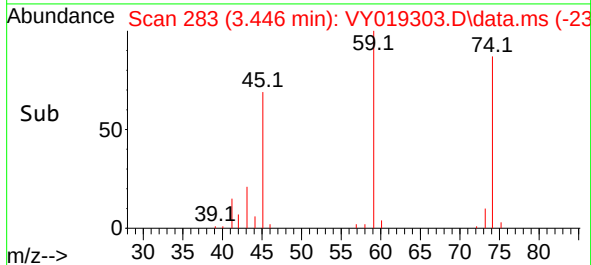
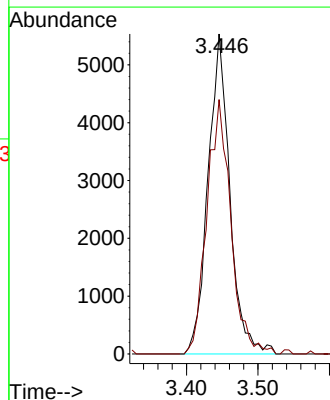
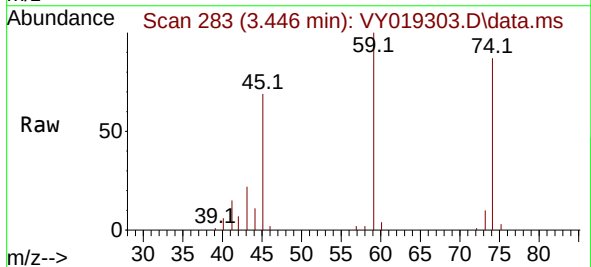
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion:101 Resp: 47196  
 Ion Ratio Lower Upper  
 101 100  
 103 64.4 49.3 73.9

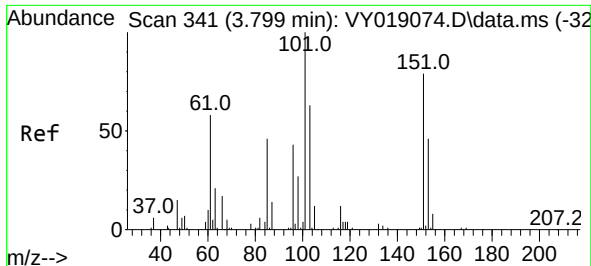


#8  
 Diethyl Ether  
 Concen: 20.651 ug/l  
 RT: 3.446 min Scan# 283  
 Delta R.T. 0.006 min  
 Lab File: VY019303.D  
 Acq: 28 Aug 2024 00:31

Tgt Ion: 74 Resp: 11709  
 Ion Ratio Lower Upper  
 74 100  
 45 87.2 41.3 124.1



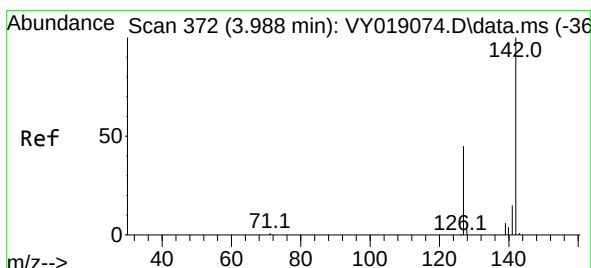
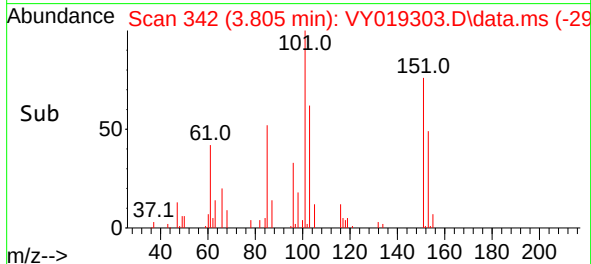
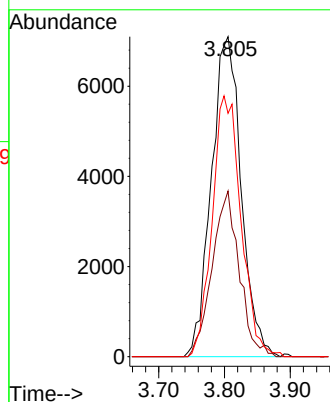
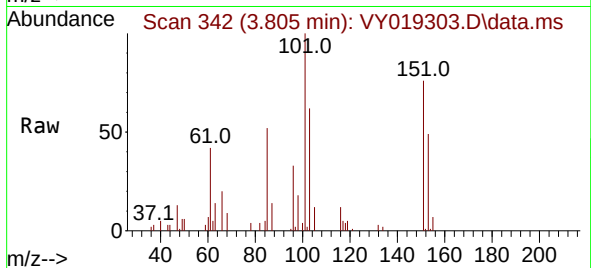




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.188 ug/l  
RT: 3.805 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

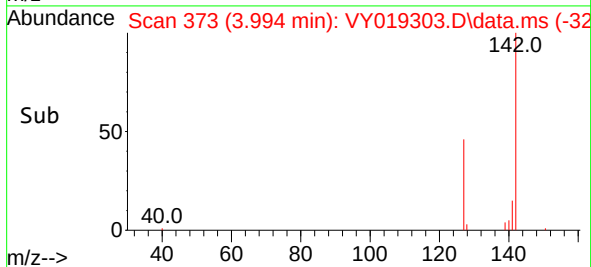
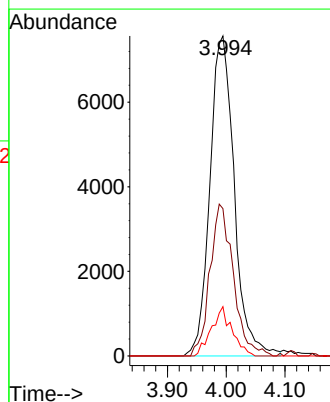
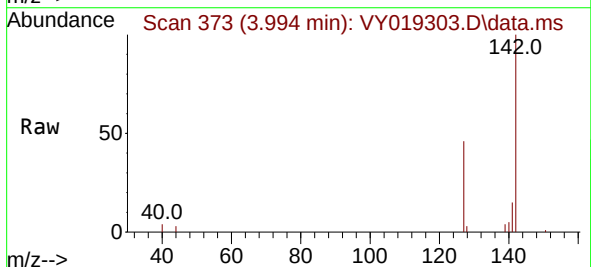
Instrument :  
MSVOA\_Y  
ClientSampleId :

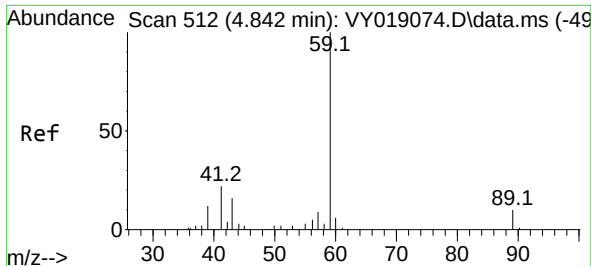
Tgt Ion:101 Resp: 22407  
Ion Ratio Lower Upper  
101 100  
85 47.1 34.5 51.7  
151 78.7 61.7 92.5



#10  
Methyl Iodide  
Concen: 19.039 ug/l  
RT: 3.994 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

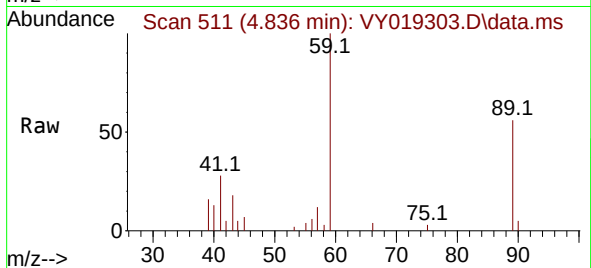
Tgt Ion:142 Resp: 21792  
Ion Ratio Lower Upper  
142 100  
127 45.6 32.8 49.2  
141 13.1 11.4 17.2



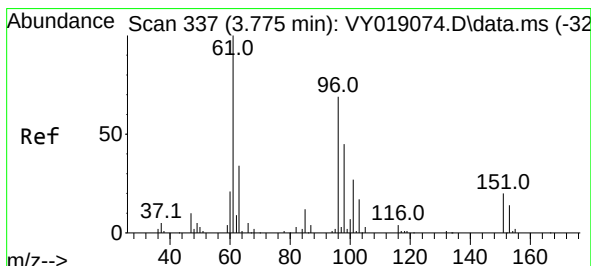
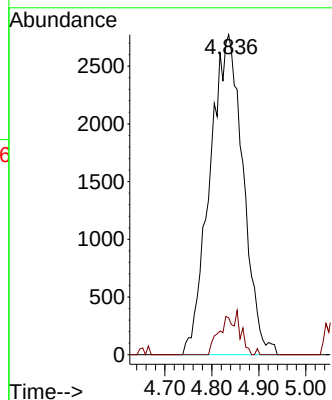
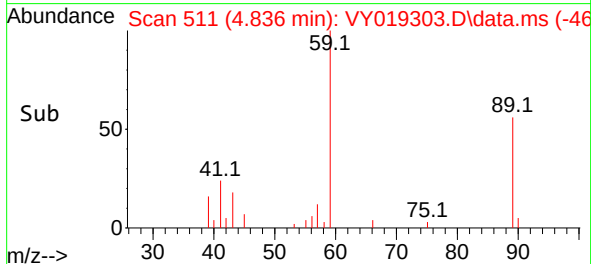


#11  
Tert butyl alcohol  
Concen: 130.447 ug/l  
RT: 4.836 min Scan# 511  
Delta R.T. -0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

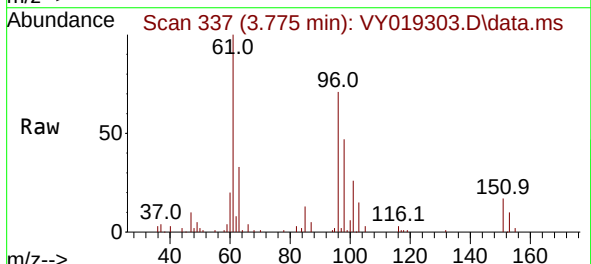
Instrument :  
MSVOA\_Y  
ClientSampleId :



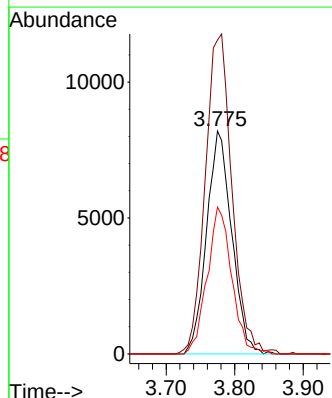
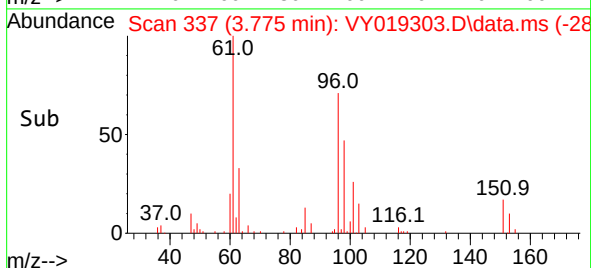
Tgt Ion: 59 Resp: 13652  
Ion Ratio Lower Upper  
59 100  
57 7.7 3.0 4.6#

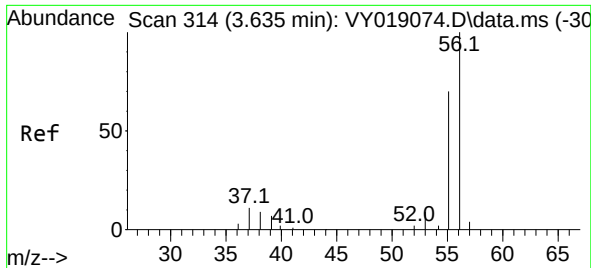


#12  
1,1-Dichloroethene  
Concen: 19.715 ug/l  
RT: 3.775 min Scan# 337  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31



Tgt Ion: 96 Resp: 20917  
Ion Ratio Lower Upper  
96 100  
61 140.8 114.6 171.8  
98 65.9 50.8 76.2





#13

Acrolein

Concen: 74.861 ug/l

RT: 3.647 min Scan# 314

Delta R.T. 0.012 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

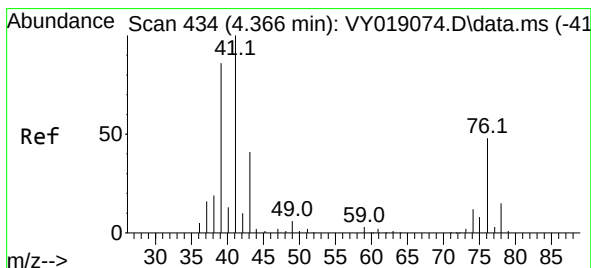
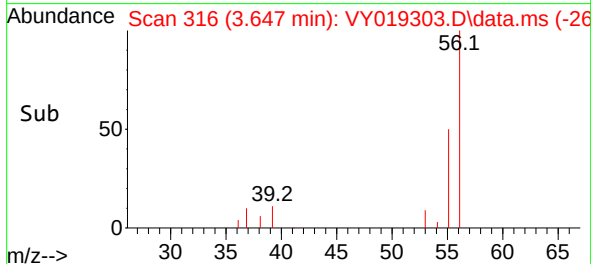
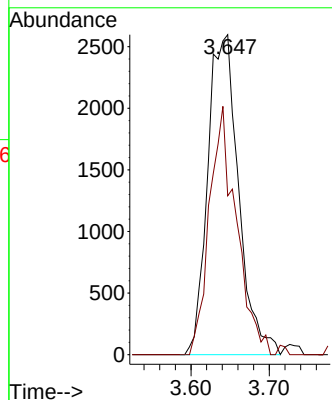
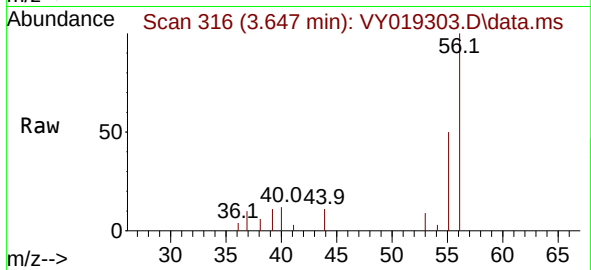
ClientSampleId :

Tgt Ion: 56 Resp: 7100

Ion Ratio Lower Upper

56 100

55 67.8 55.7 83.5



#14

Allyl chloride

Concen: 20.482 ug/l

RT: 4.366 min Scan# 434

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

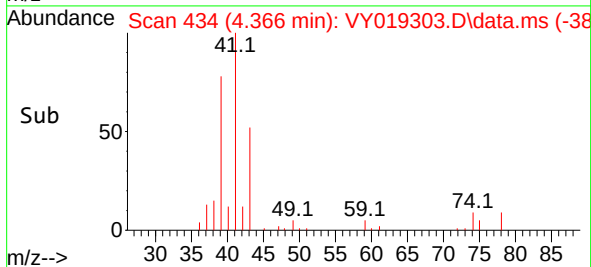
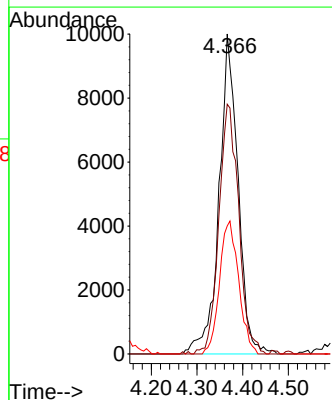
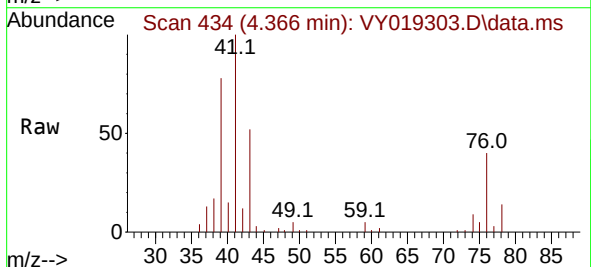
Tgt Ion: 41 Resp: 28892

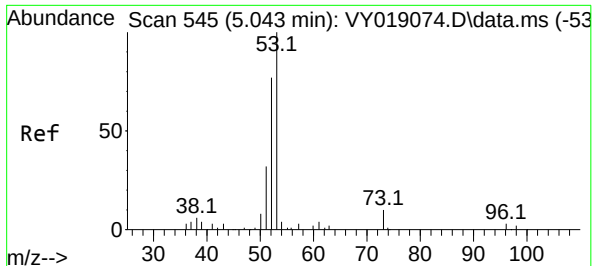
Ion Ratio Lower Upper

41 100

39 81.5 58.3 87.5

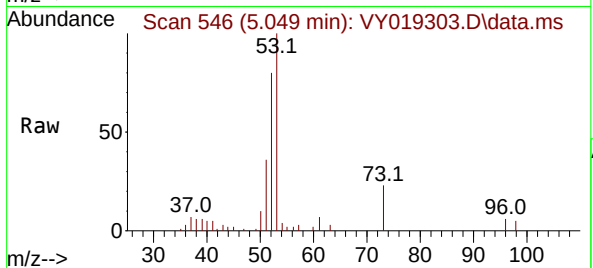
76 41.9 39.0 58.6



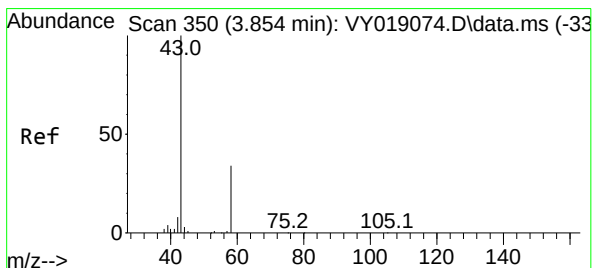
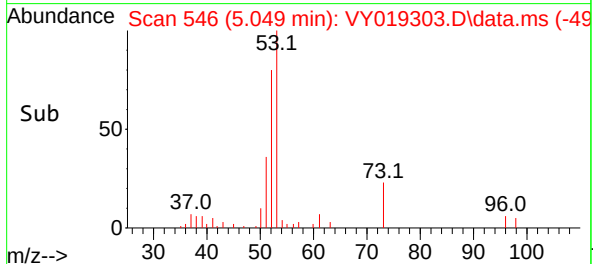
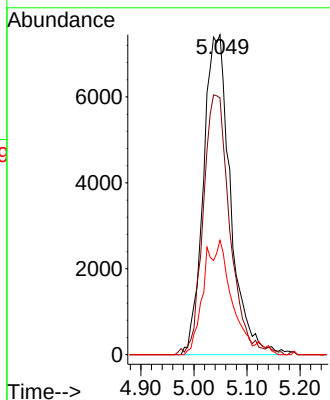


#15  
Acrylonitrile  
Concen: 113.317 ug/l  
RT: 5.049 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

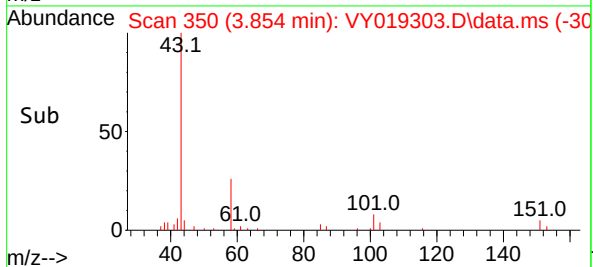
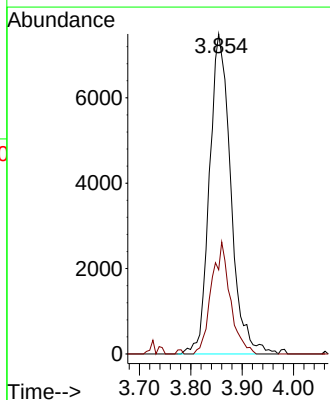
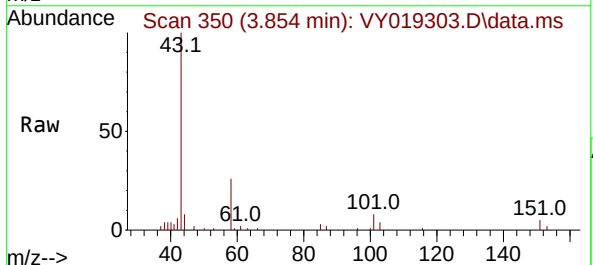


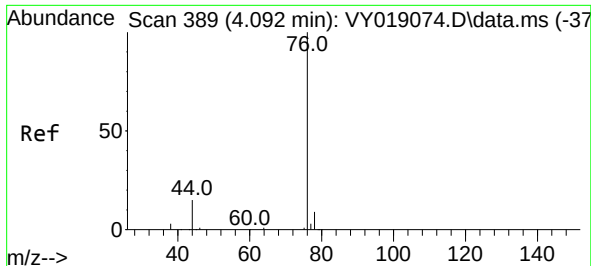
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 80.6  | 64.7  | 97.1  |
| 51      | 36.9  | 28.4  | 42.6  |



#16  
Acetone  
Concen: 108.968 ug/l  
RT: 3.854 min Scan# 350  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 26.3  | 31.7  | 47.5  |

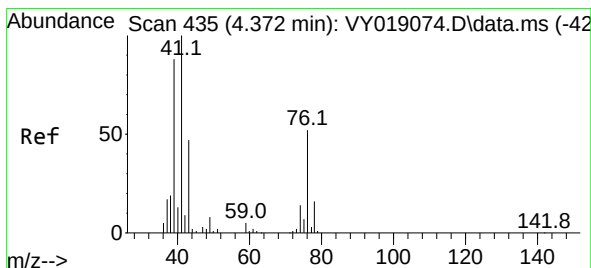
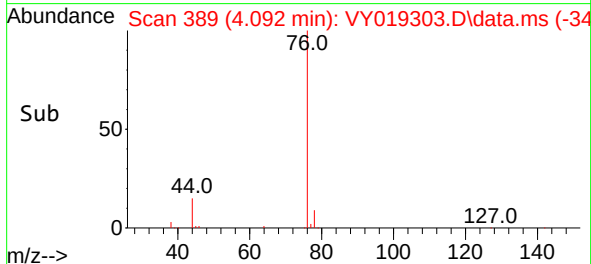
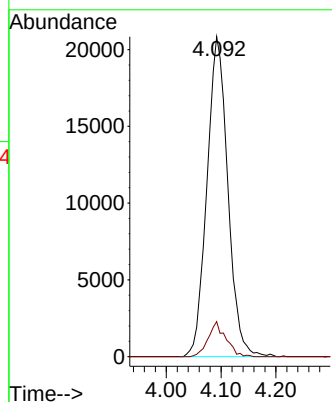
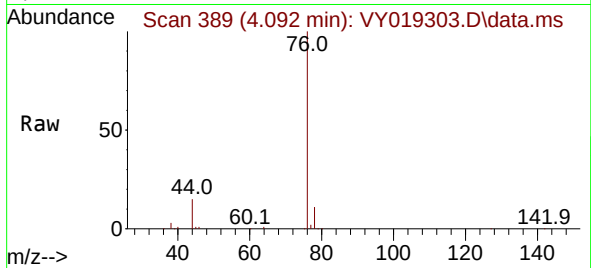




#17  
Carbon Disulfide  
Concen: 18.432 ug/l  
RT: 4.092 min Scan# 389  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

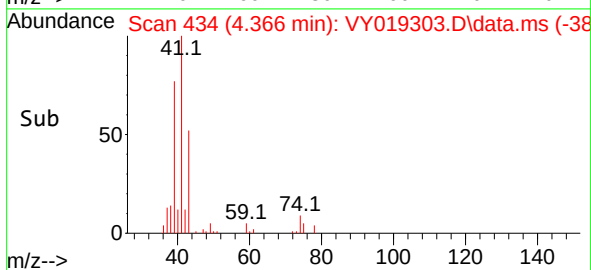
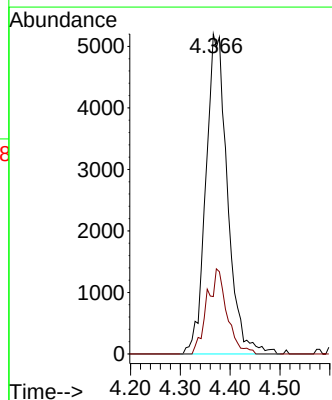
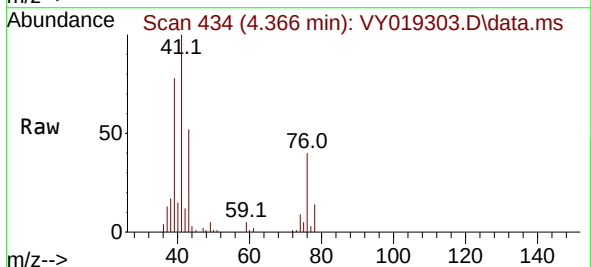
Instrument :  
MSVOA\_Y  
ClientSampleId :

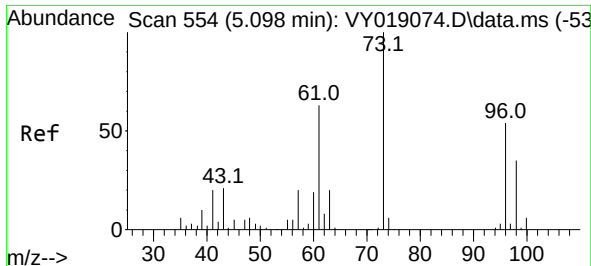
Tgt Ion: 76 Resp: 55156  
Ion Ratio Lower Upper  
76 100  
78 11.0 6.8 10.2#



#18  
Methyl Acetate  
Concen: 25.837 ug/l  
RT: 4.366 min Scan# 434  
Delta R.T. -0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 43 Resp: 15679  
Ion Ratio Lower Upper  
43 100  
74 24.5 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 20.941 ug/l

RT: 5.098 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

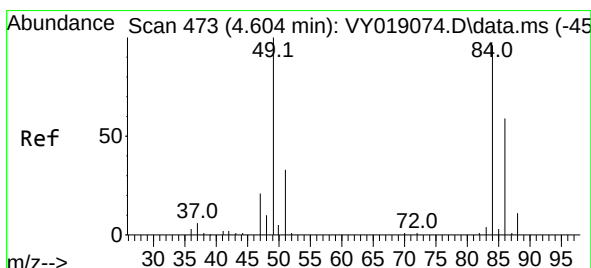
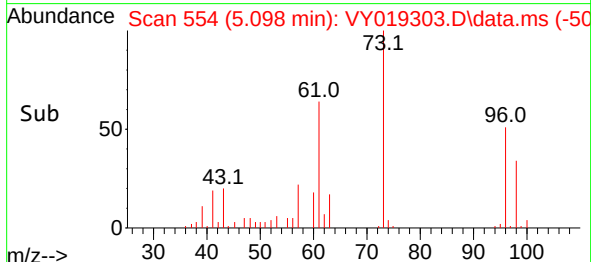
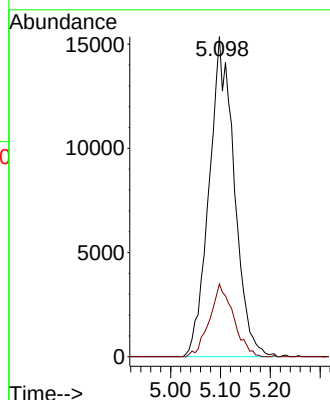
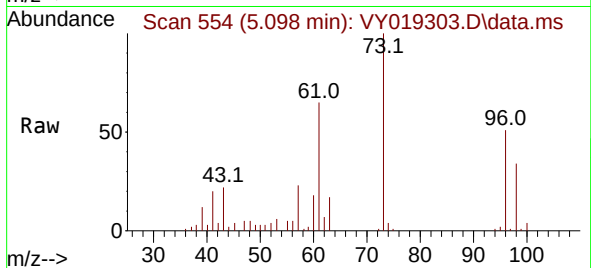
ClientSampleId :

Tgt Ion: 73 Resp: 53863

Ion Ratio Lower Upper

73 100

57 22.8 17.3 25.9



#20

Methylene Chloride

Concen: 22.543 ug/l

RT: 4.604 min Scan# 473

Delta R.T. -0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Tgt Ion: 84 Resp: 34578

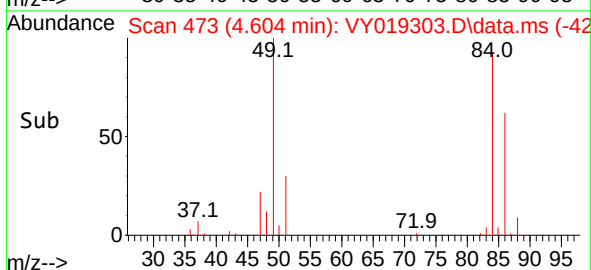
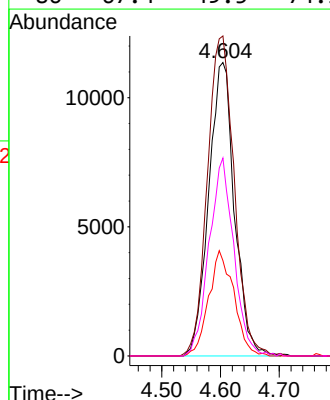
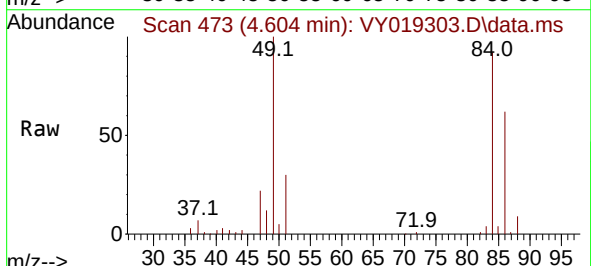
Ion Ratio Lower Upper

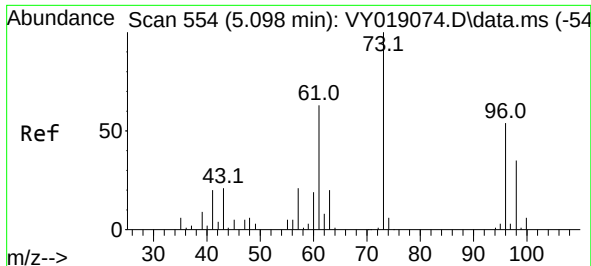
84 100

49 109.1 84.4 126.6

51 32.5 26.0 39.0

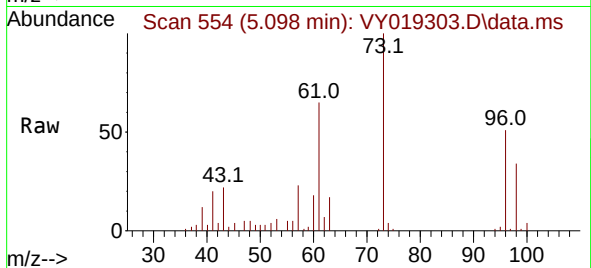
86 67.4 49.5 74.3



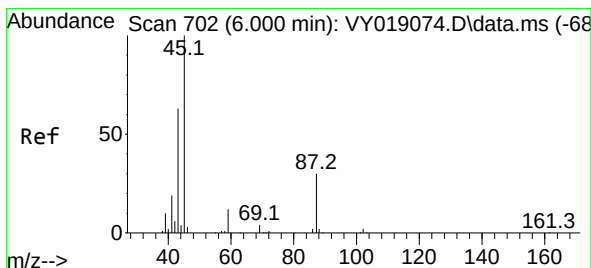
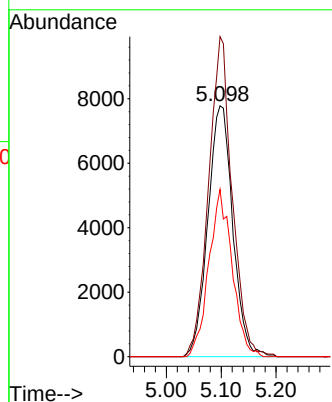
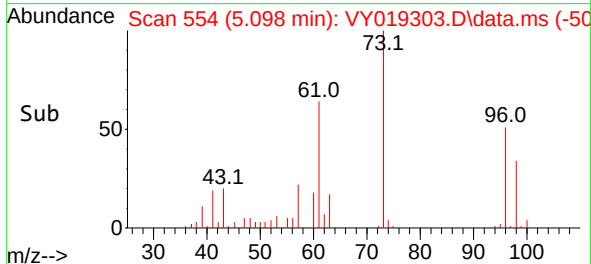


#21  
trans-1,2-Dichloroethene  
Concen: 20.711 ug/l  
RT: 5.098 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

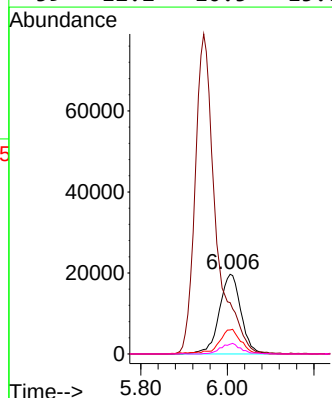
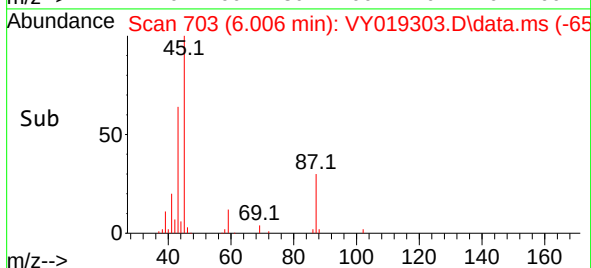
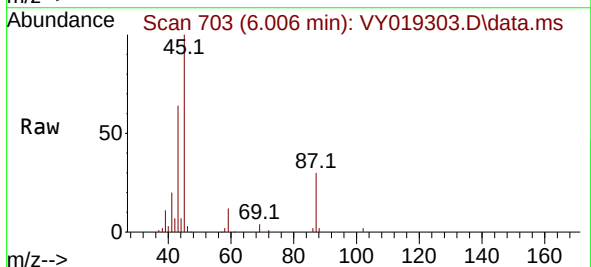


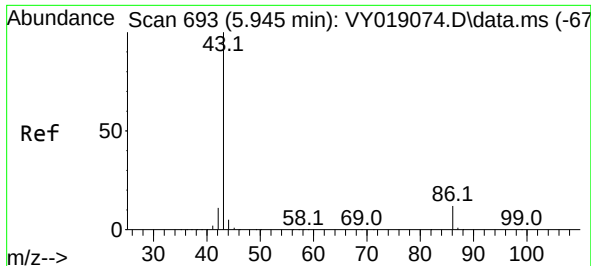
Tgt Ion: 96 Resp: 24549  
Ion Ratio Lower Upper  
96 100  
61 127.6 97.5 146.3  
98 66.7 50.5 75.7



#22  
Diisopropyl ether  
Concen: 21.178 ug/l  
RT: 6.006 min Scan# 703  
Delta R.T. 0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 45 Resp: 68388  
Ion Ratio Lower Upper  
45 100  
43 63.3 42.2 63.2#  
87 30.0 25.0 37.6  
59 12.2 10.5 15.7

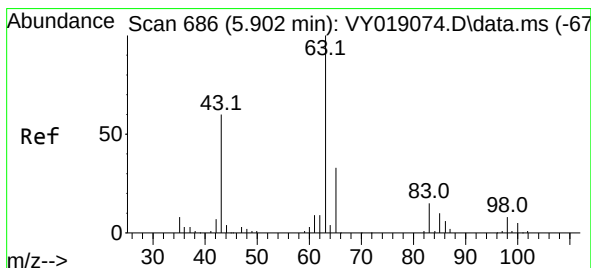
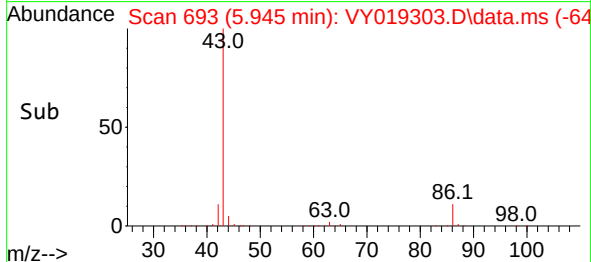
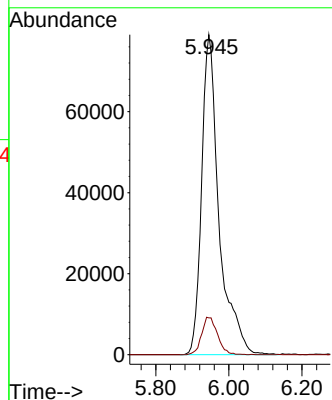
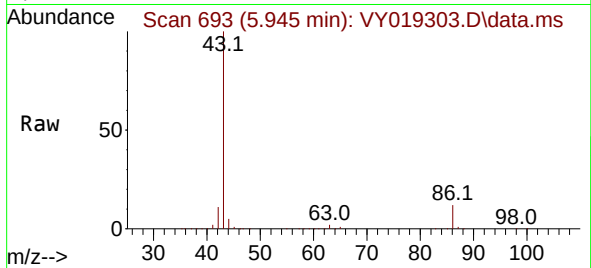




#23  
 Vinyl Acetate  
 Concen: 102.036 ug/l  
 RT: 5.945 min Scan# 693  
 Delta R.T. 0.000 min  
 Lab File: VY019303.D  
 Acq: 28 Aug 2024 00:31

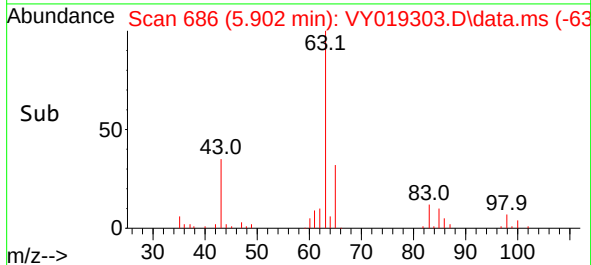
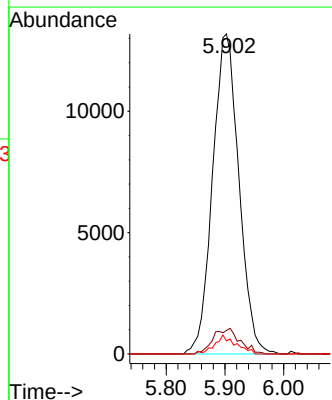
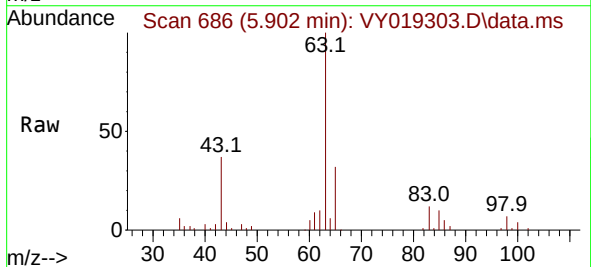
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 43 Resp: 260864  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 10.6 16.0

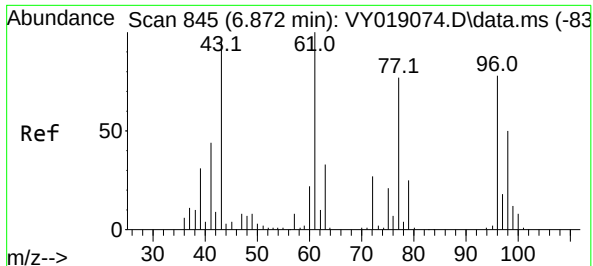


#24  
 1,1-Dichloroethane  
 Concen: 20.749 ug/l  
 RT: 5.902 min Scan# 686  
 Delta R.T. 0.000 min  
 Lab File: VY019303.D  
 Acq: 28 Aug 2024 00:31

Tgt Ion: 63 Resp: 40975  
 Ion Ratio Lower Upper  
 63 100  
 98 7.3 4.0 12.2  
 100 4.1 2.6 8.0







#25

2-Butanone

Concen: 109.558 ug/l

RT: 6.878 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

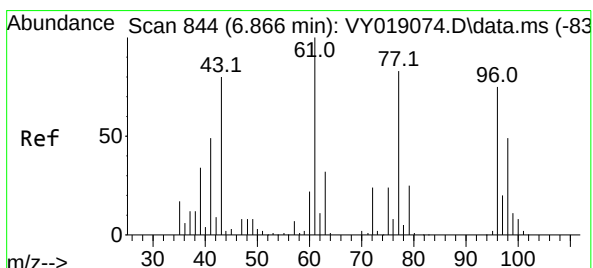
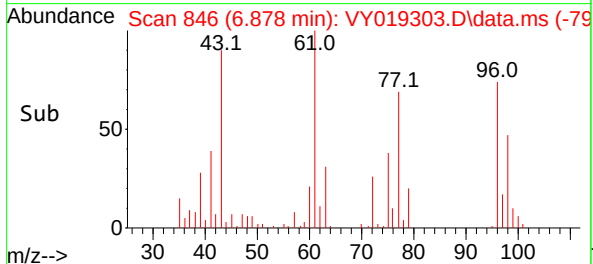
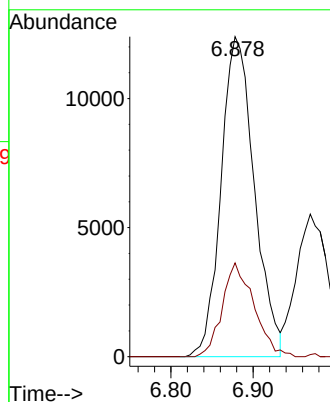
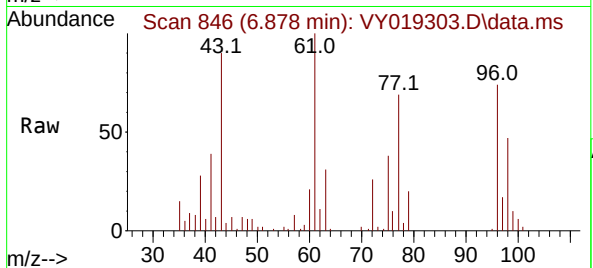
ClientSampleId :

Tgt Ion: 43 Resp: 34887

Ion Ratio Lower Upper

43 100

72 29.3 27.3 40.9



#26

2,2-Dichloropropane

Concen: 18.612 ug/l

RT: 6.872 min Scan# 845

Delta R.T. 0.006 min

Lab File: VY019303.D

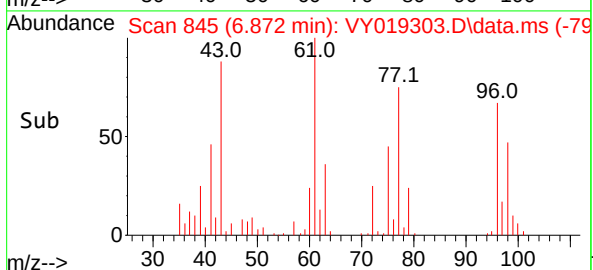
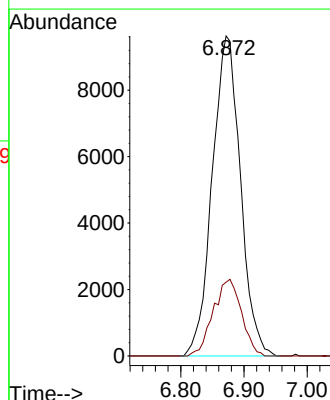
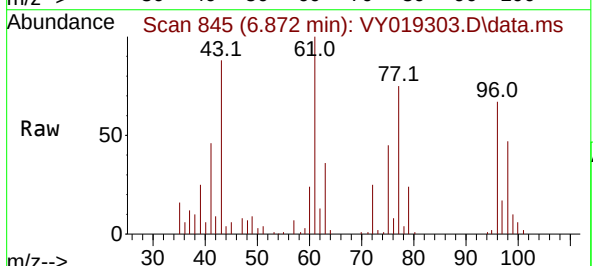
Acq: 28 Aug 2024 00:31

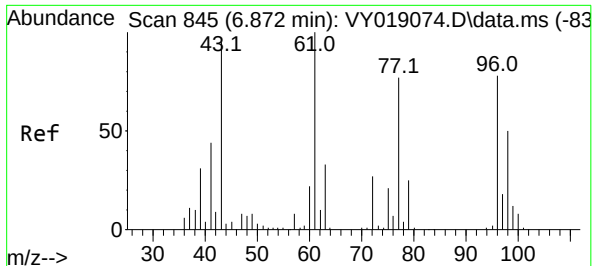
Tgt Ion: 77 Resp: 29764

Ion Ratio Lower Upper

77 100

97 24.1 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 20.344 ug/l

RT: 6.878 min Scan# 845

Delta R.T. 0.006 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

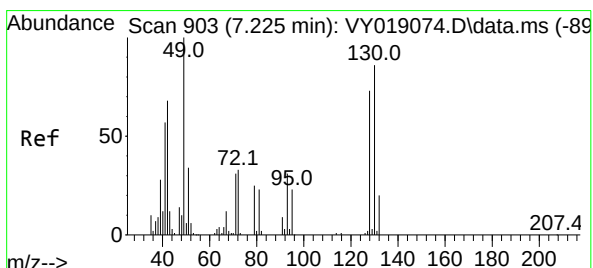
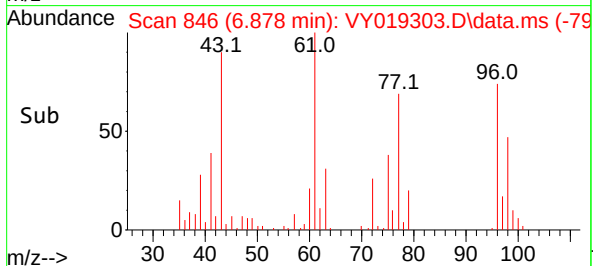
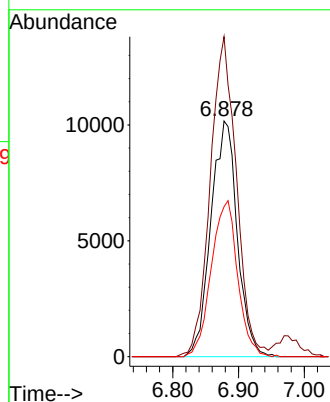
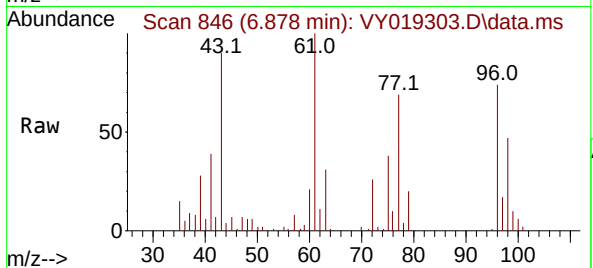
Tgt Ion: 96 Resp: 28378

Ion Ratio Lower Upper

96 100

61 134.8 0.0 256.2

98 66.1 0.0 130.0



#28

Bromochloromethane

Concen: 21.044 ug/l

RT: 7.238 min Scan# 905

Delta R.T. 0.012 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

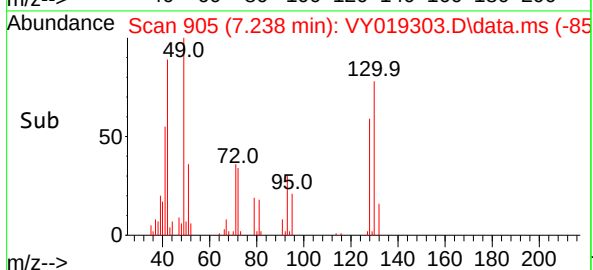
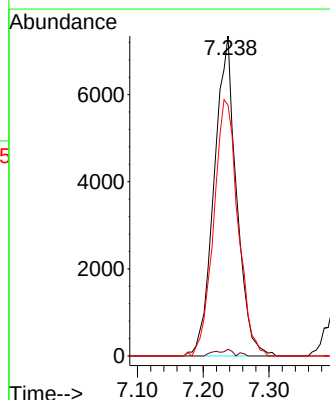
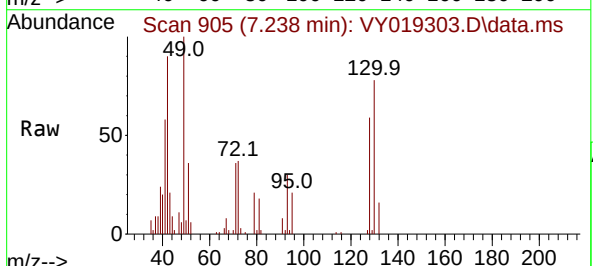
Tgt Ion: 49 Resp: 17433

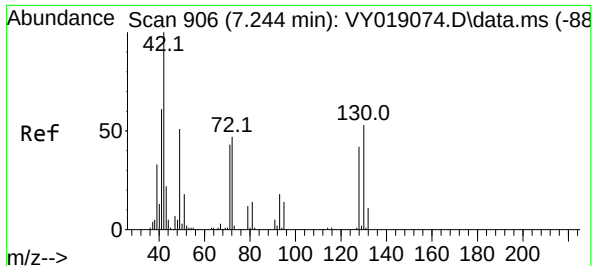
Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.6

130 86.9 72.7 109.1





#29

Tetrahydrofuran

Concen: 110.509 ug/l

RT: 7.256 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

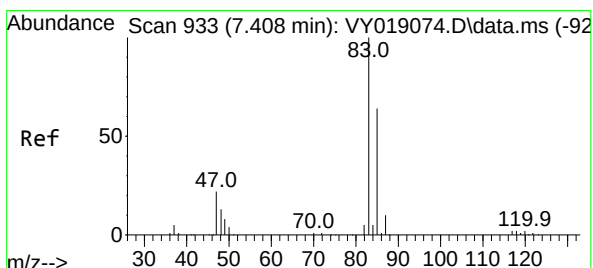
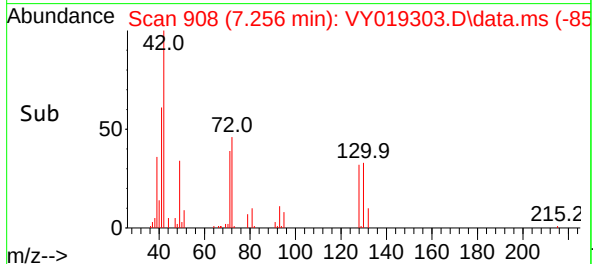
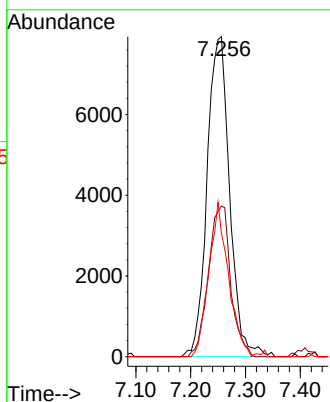
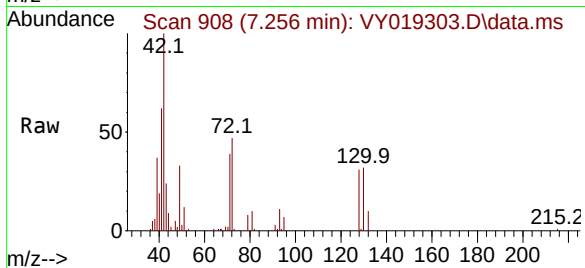
Tgt Ion: 42 Resp: 22621

Ion Ratio Lower Upper

42 100

72 46.7 43.0 64.4

71 42.1 40.8 61.2



#30

Chloroform

Concen: 21.148 ug/l

RT: 7.408 min Scan# 933

Delta R.T. 0.000 min

Lab File: VY019303.D

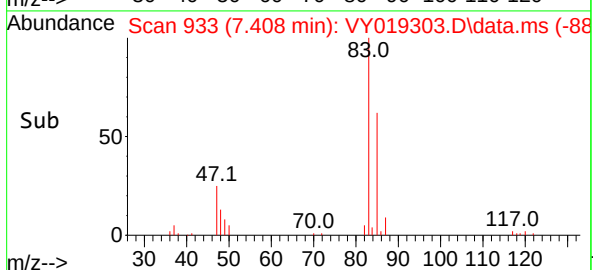
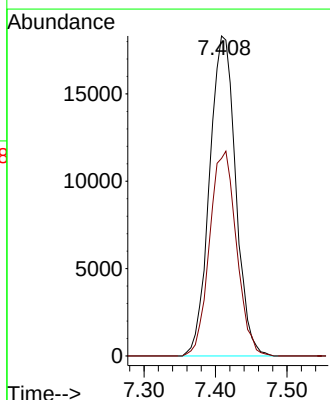
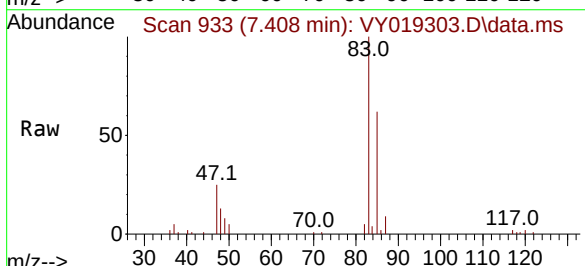
Acq: 28 Aug 2024 00:31

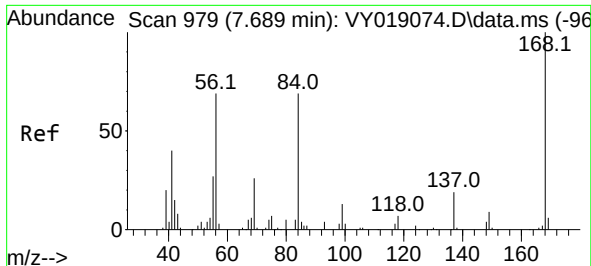
Tgt Ion: 83 Resp: 46535

Ion Ratio Lower Upper

83 100

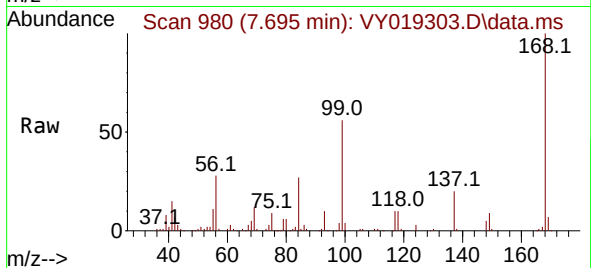
85 61.8 52.2 78.4



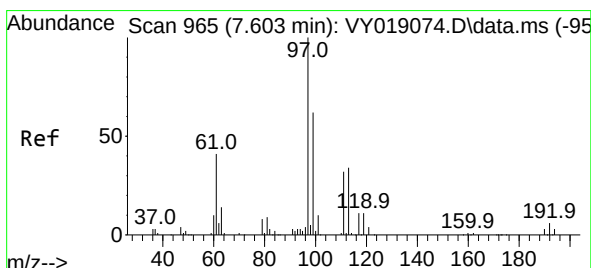
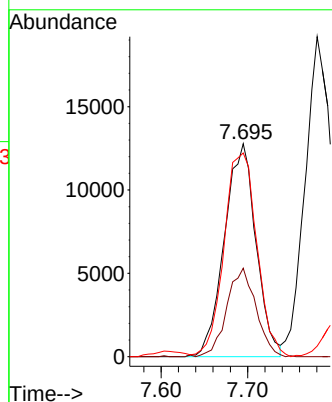
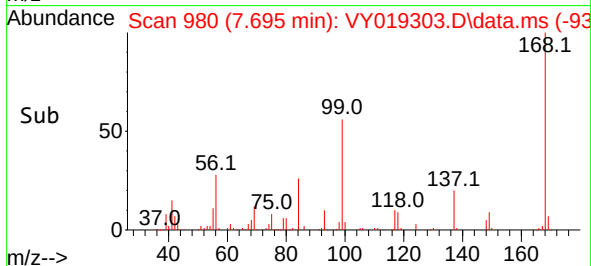


#31  
Cyclohexane  
Concen: 18.515 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

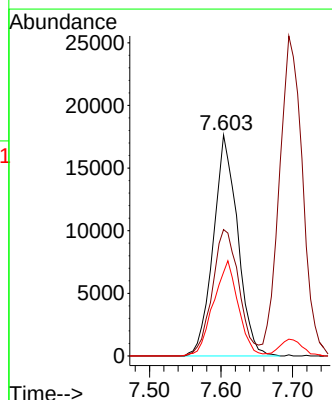
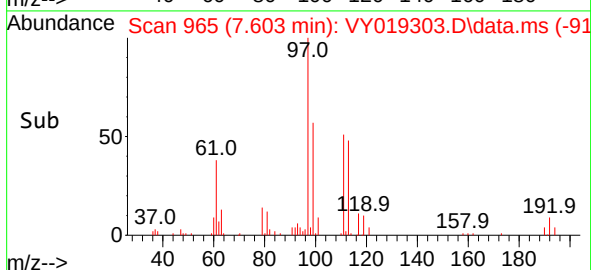
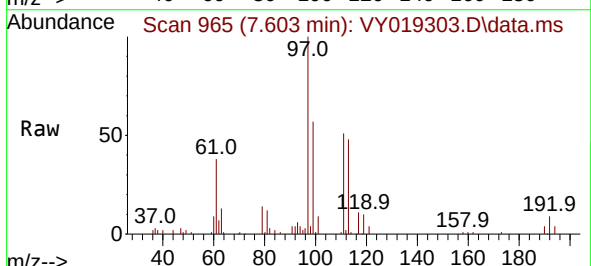


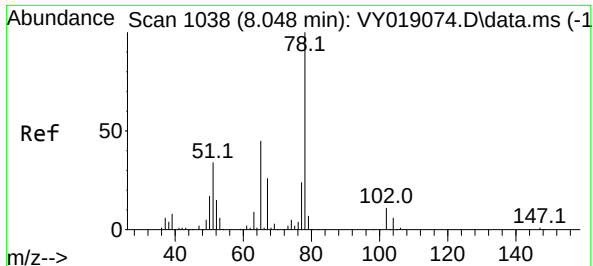
Tgt Ion: 56 Resp: 32348  
Ion Ratio Lower Upper  
56 100  
69 41.6 28.7 43.1  
84 93.7 77.7 116.5



#32  
1,1,1-Trichloroethane  
Concen: 21.527 ug/l  
RT: 7.603 min Scan# 965  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 97 Resp: 41629  
Ion Ratio Lower Upper  
97 100  
99 62.8 50.3 75.5  
61 43.9 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 50.049 ug/l

RT: 8.055 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

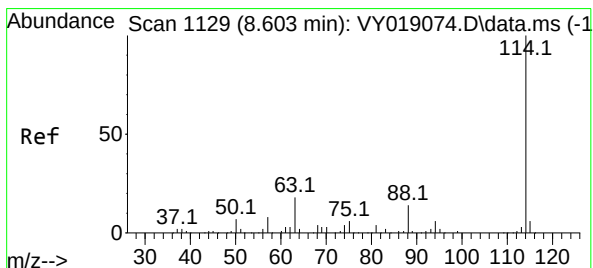
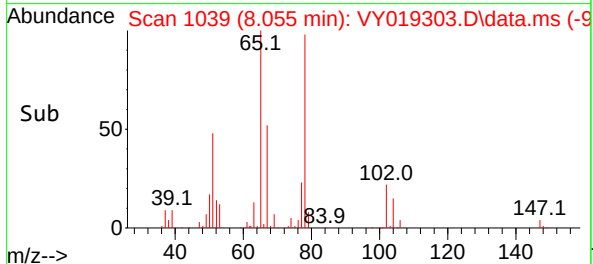
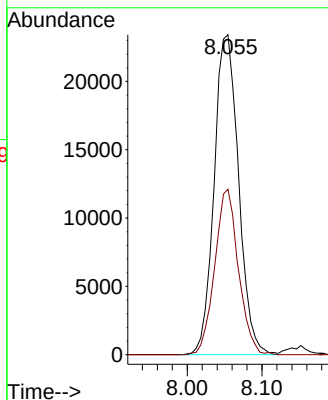
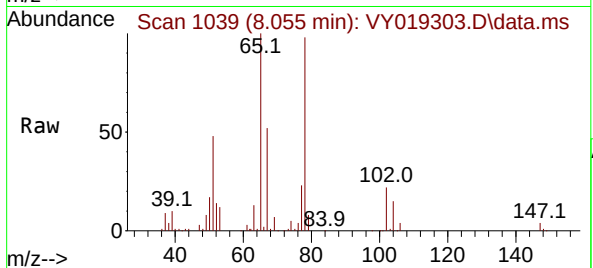
ClientSampleId :

Tgt Ion: 65 Resp: 53361

Ion Ratio Lower Upper

65 100

67 50.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

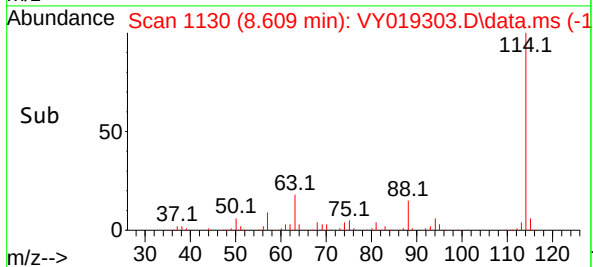
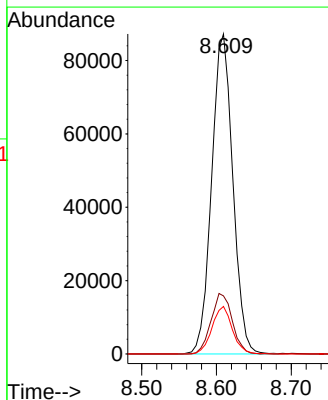
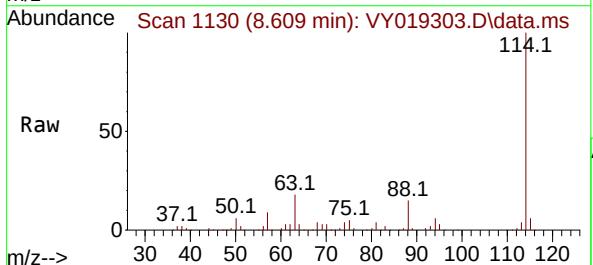
Tgt Ion: 114 Resp: 171767

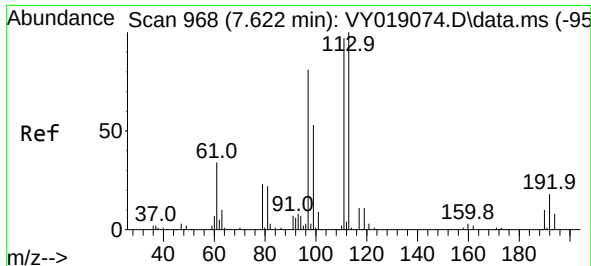
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

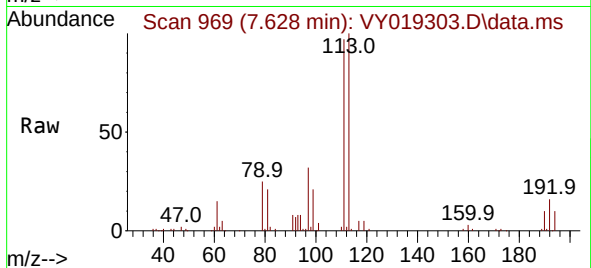
88 14.8 0.0 27.2



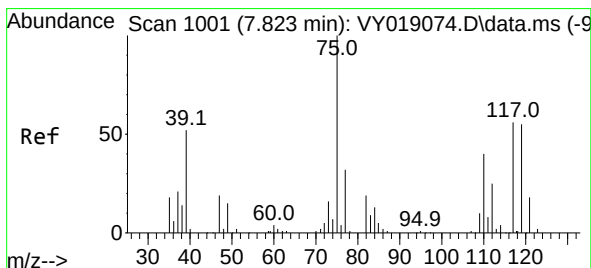
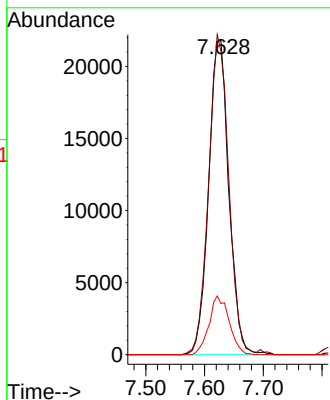
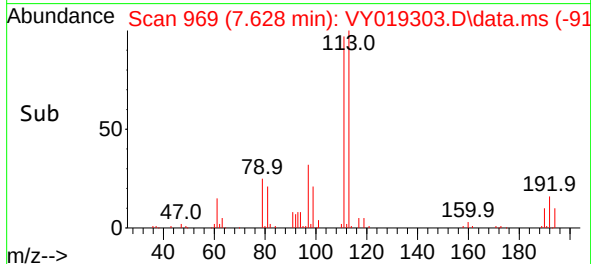


#35  
Dibromofluoromethane  
Concen: 46.450 ug/l  
RT: 7.628 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

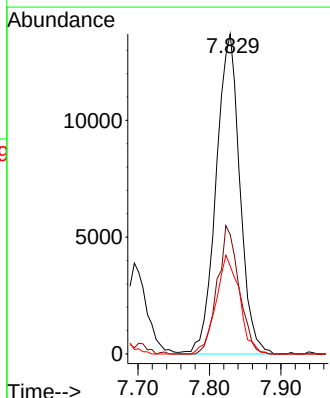
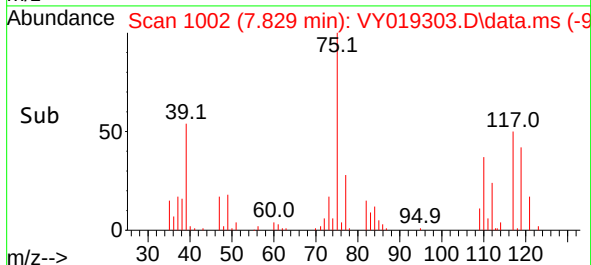
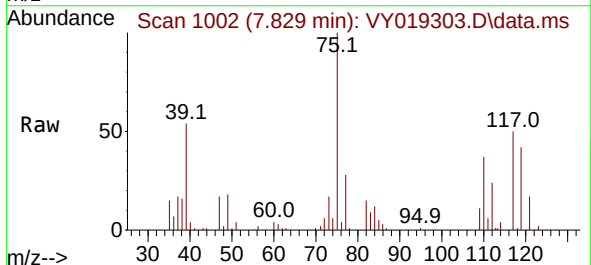


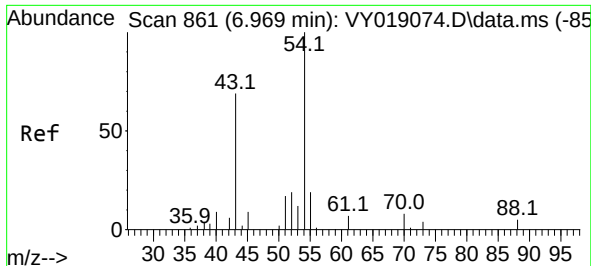
Tgt Ion:113 Resp: 52169  
Ion Ratio Lower Upper  
113 100  
111 101.2 82.2 123.4  
192 18.6 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 20.474 ug/l  
RT: 7.829 min Scan# 1002  
Delta R.T. 0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 75 Resp: 31576  
Ion Ratio Lower Upper  
75 100  
110 36.6 19.0 57.0  
77 30.6 25.3 37.9





#37

Ethyl Acetate

Concen: 23.463 ug/l

RT: 6.969 min Scan# 861

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

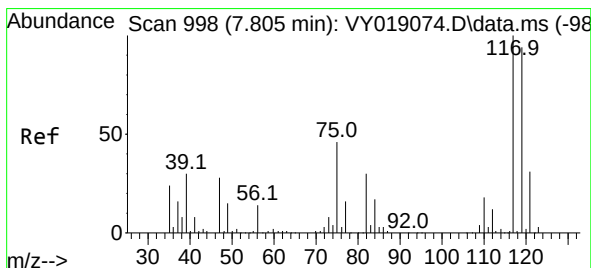
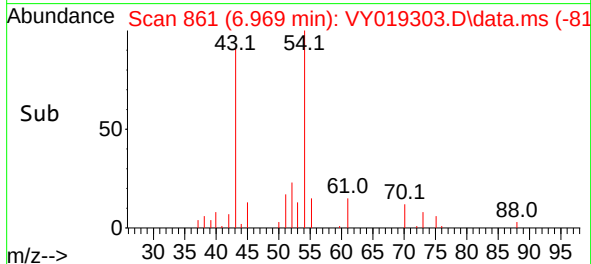
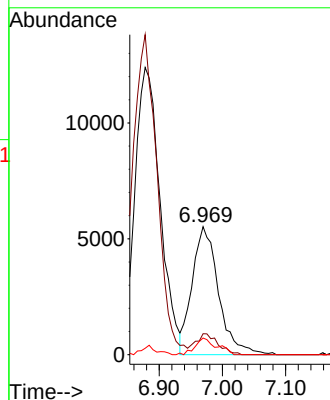
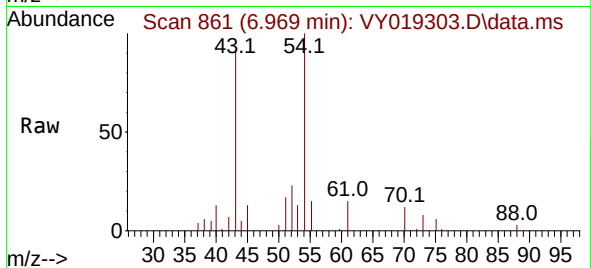
Tgt Ion: 43 Resp: 16032

Ion Ratio Lower Upper

43 100

61 13.8 12.6 19.0

70 10.6 7.8 11.8



#38

Carbon Tetrachloride

Concen: 21.059 ug/l

RT: 7.805 min Scan# 998

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

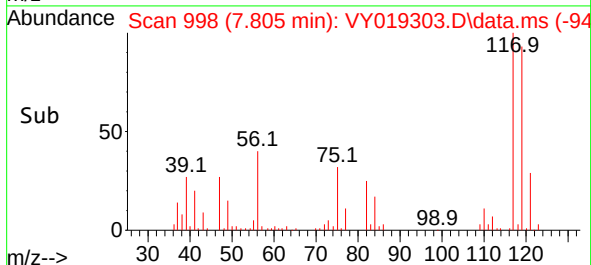
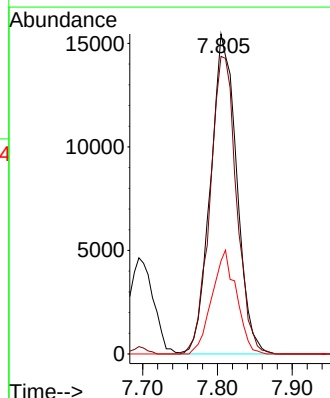
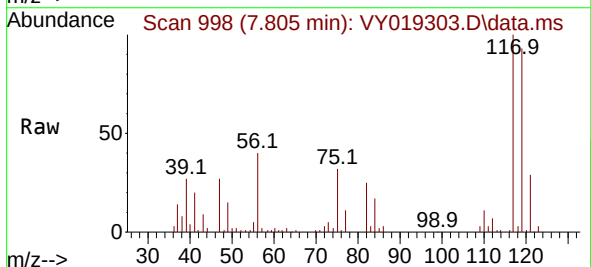
Tgt Ion: 117 Resp: 37638

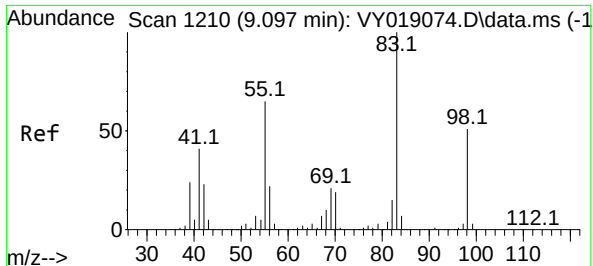
Ion Ratio Lower Upper

117 100

119 93.0 75.8 113.6

121 29.1 24.0 36.0





#39

Methylcyclohexane

Concen: 18.703 ug/l

RT: 9.103 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

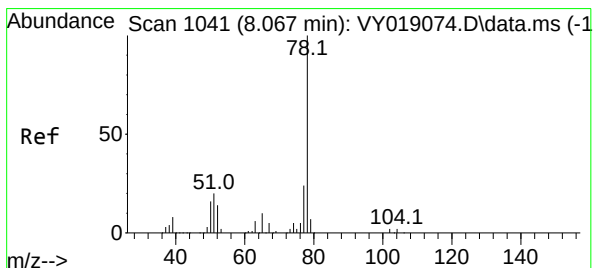
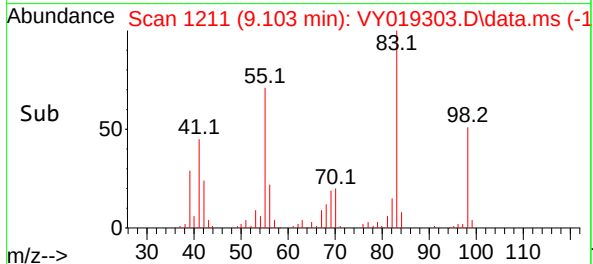
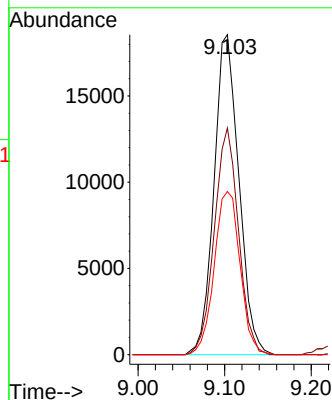
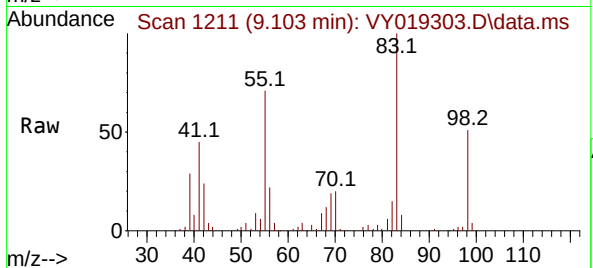
Tgt Ion: 83 Resp: 37016

Ion Ratio Lower Upper

83 100

55 70.9 51.5 77.3

98 51.0 40.5 60.7



#40

Benzene

Concen: 20.009 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VY019303.D

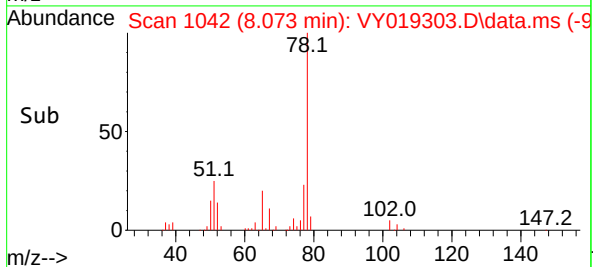
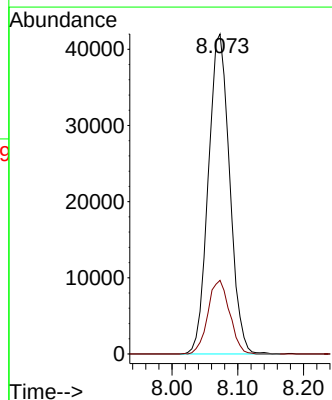
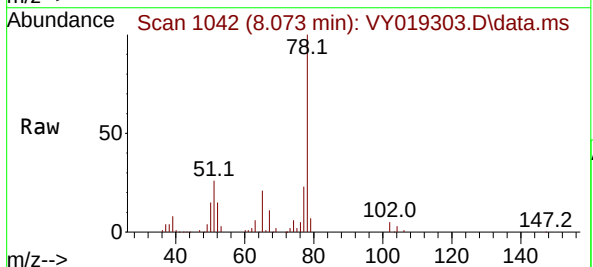
Acq: 28 Aug 2024 00:31

Tgt Ion: 78 Resp: 94642

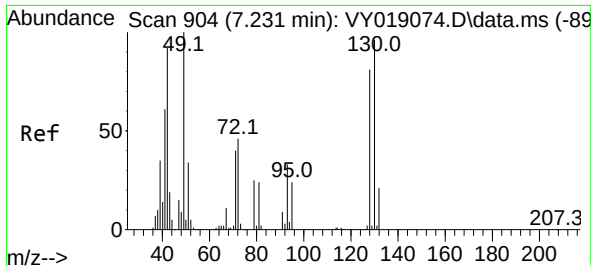
Ion Ratio Lower Upper

78 100

77 23.0 19.5 29.3

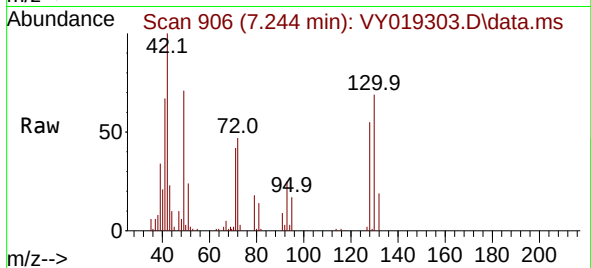




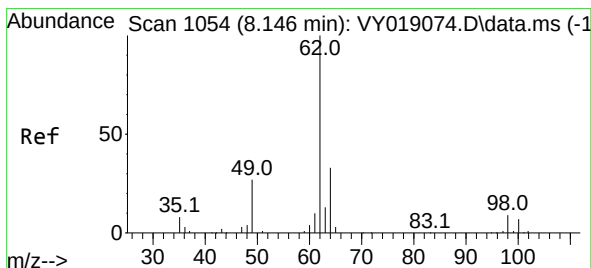
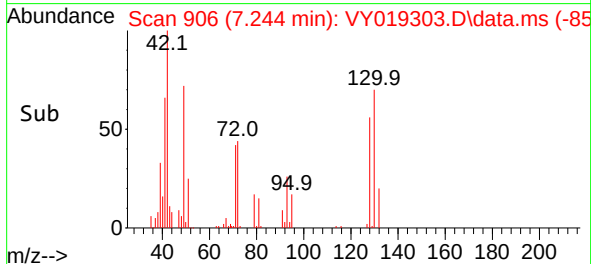
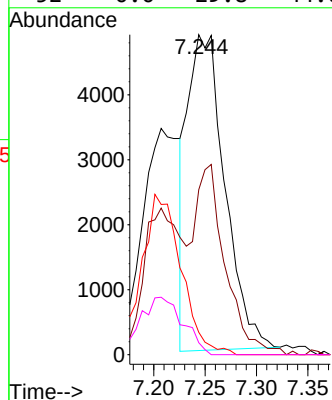


#41  
Methacrylonitrile  
Concen: 32.807 ug/l  
RT: 7.244 min Scan# 904  
Delta R.T. 0.012 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

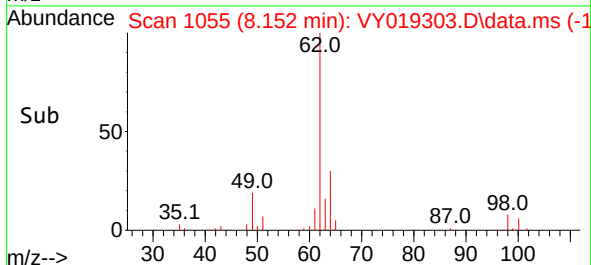
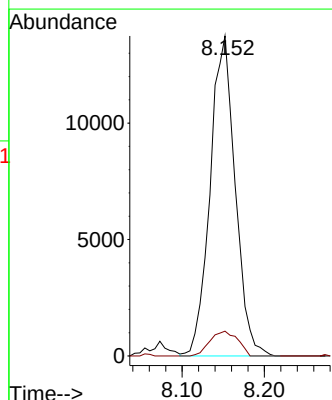
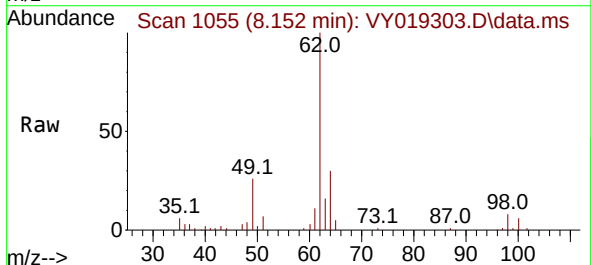


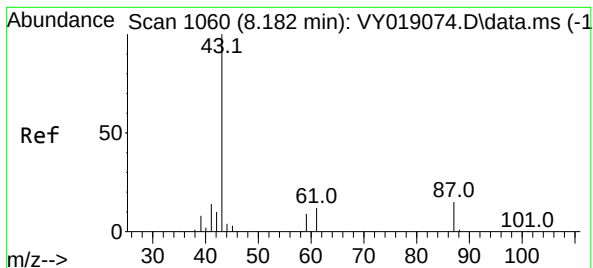
Tgt Ion: 41 Resp: 12235  
Ion Ratio Lower Upper  
41 100  
39 50.1 48.0 72.0  
67 0.0 75.1 112.7#  
52 0.0 29.8 44.6#



#42  
1,2-Dichloroethane  
Concen: 22.825 ug/l  
RT: 8.152 min Scan# 1055  
Delta R.T. 0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 62 Resp: 29154  
Ion Ratio Lower Upper  
62 100  
98 8.6 0.0 22.0





#43

Isopropyl Acetate

Concen: 21.911 ug/l

RT: 8.189 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

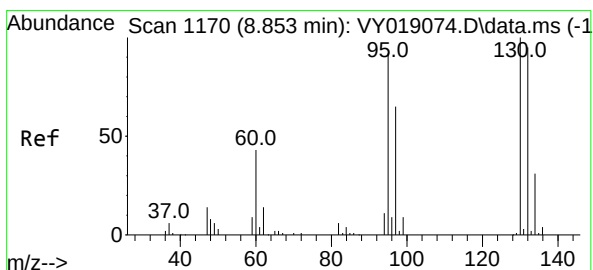
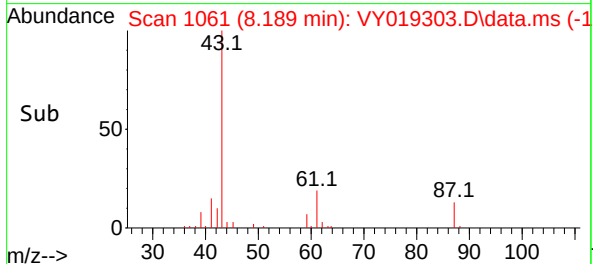
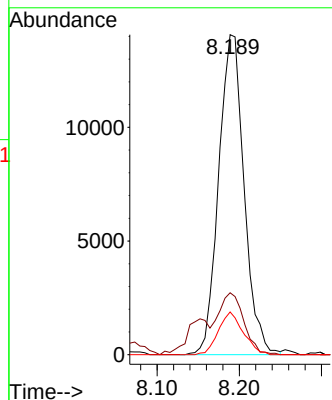
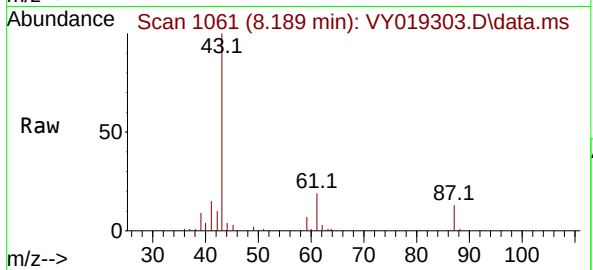
Tgt Ion: 43 Resp: 30278

Ion Ratio Lower Upper

43 100

61 19.4 27.9 41.9#

87 13.0 13.1 19.7#



#44

Trichloroethene

Concen: 20.268 ug/l

RT: 8.859 min Scan# 1171

Delta R.T. 0.006 min

Lab File: VY019303.D

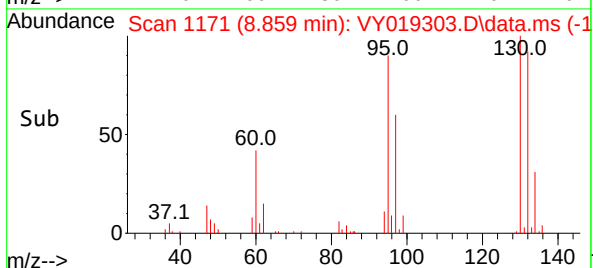
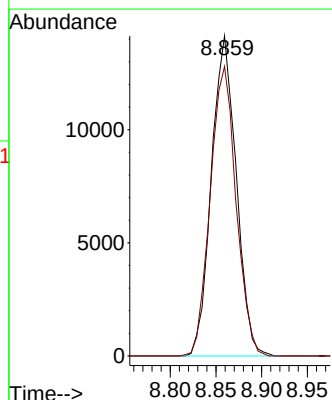
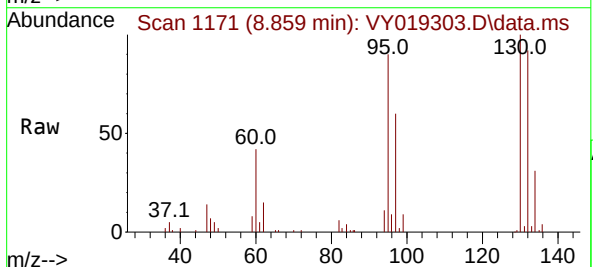
Acq: 28 Aug 2024 00:31

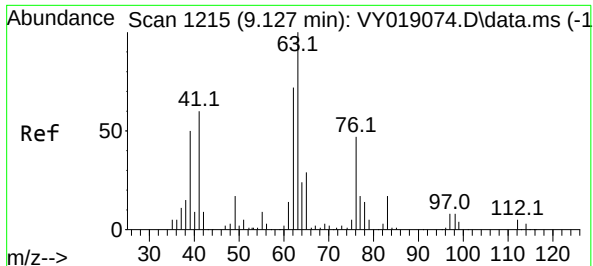
Tgt Ion:130 Resp: 26750

Ion Ratio Lower Upper

130 100

95 90.4 0.0 188.0





#45

1,2-Dichloropropane

Concen: 21.449 ug/l

RT: 9.134 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

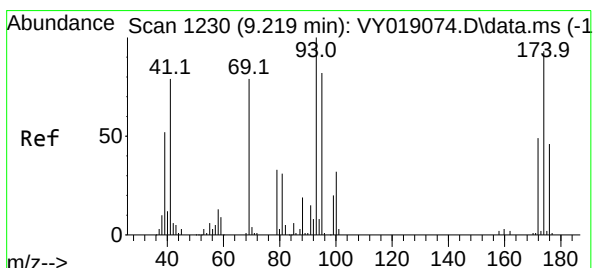
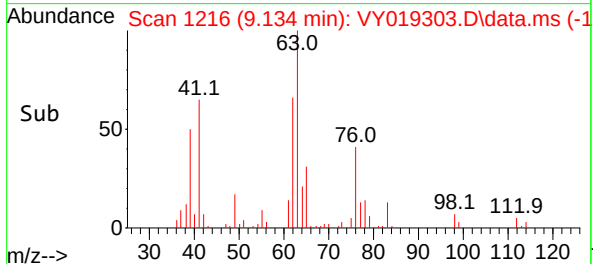
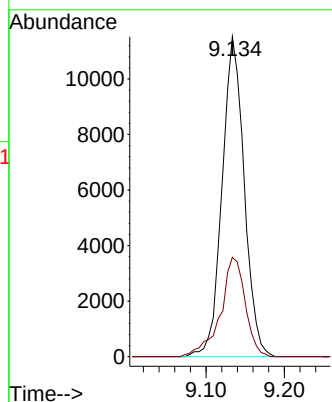
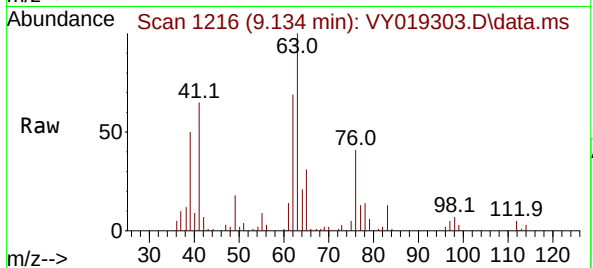
ClientSampleId :

Tgt Ion: 63 Resp: 22604

Ion Ratio Lower Upper

63 100

65 31.0 25.4 38.2



#46

Dibromomethane

Concen: 21.009 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.012 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

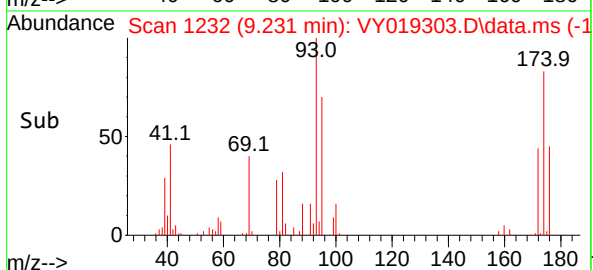
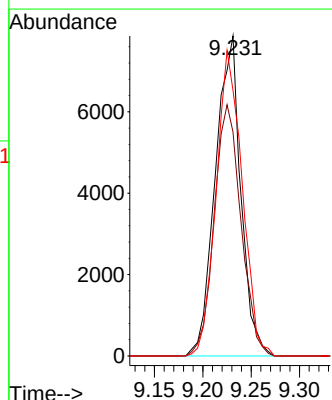
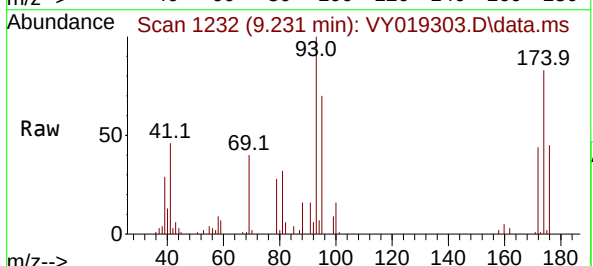
Tgt Ion: 93 Resp: 14360

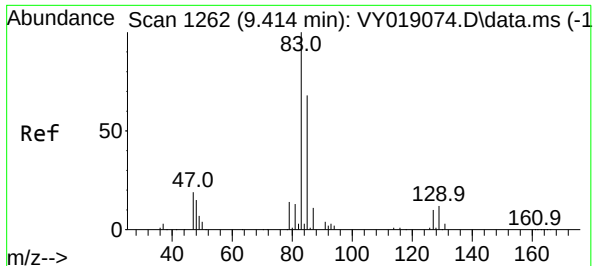
Ion Ratio Lower Upper

93 100

95 82.6 66.2 99.4

174 97.6 80.9 121.3





#47

Bromodichloromethane

Concen: 20.936 ug/l

RT: 9.414 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019303.D

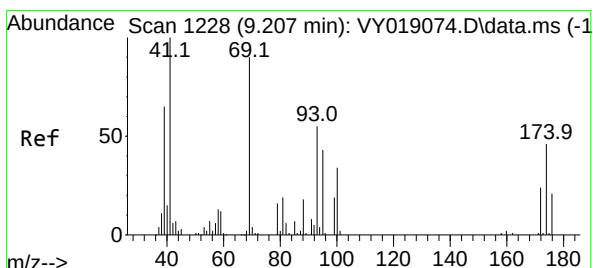
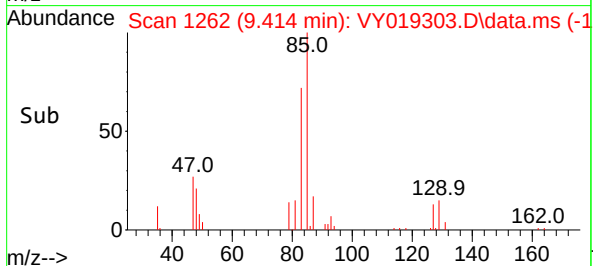
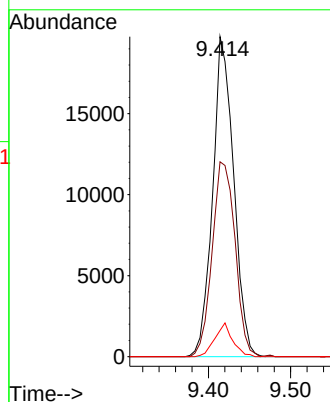
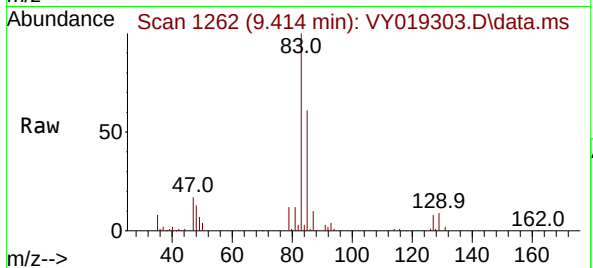
Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 83 | Resp: | 35108     |
| Ion Ratio   | Lower | Upper     |
| 83          | 100   |           |
| 85          | 60.9  | 50.1 75.1 |
| 127         | 8.2   | 7.4 11.0  |



#48

Methyl methacrylate

Concen: 21.270 ug/l

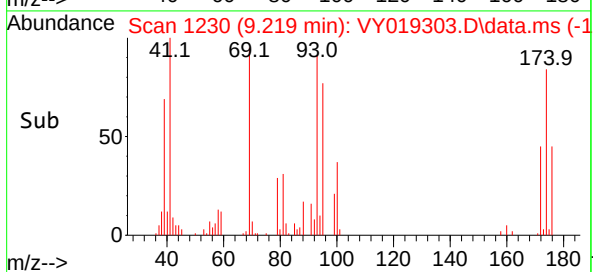
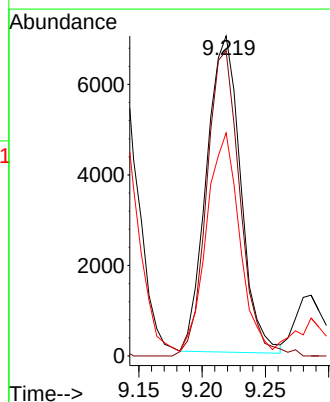
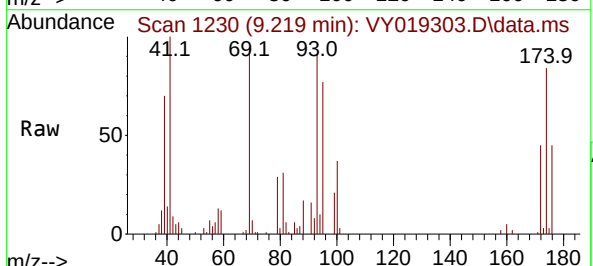
RT: 9.219 min Scan# 1230

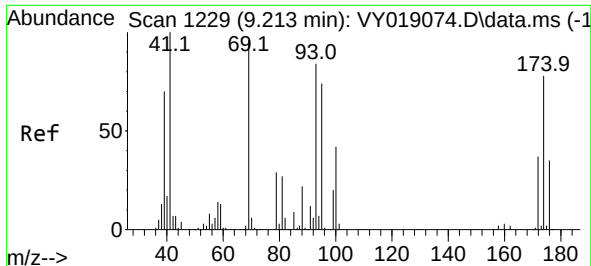
Delta R.T. 0.012 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 41 | Resp: | 13099      |
| Ion Ratio   | Lower | Upper      |
| 41          | 100   |            |
| 69          | 94.1  | 84.1 126.1 |
| 39          | 69.4  | 43.6 65.4  |





#49

1,4-Dioxane

Concen: 419.086 ug/l

RT: 9.225 min Scan# 1229

Delta R.T. 0.012 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

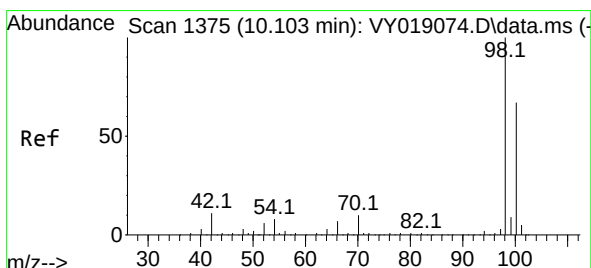
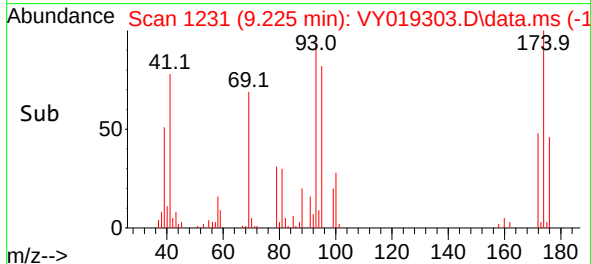
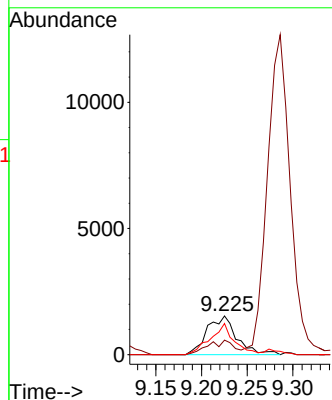
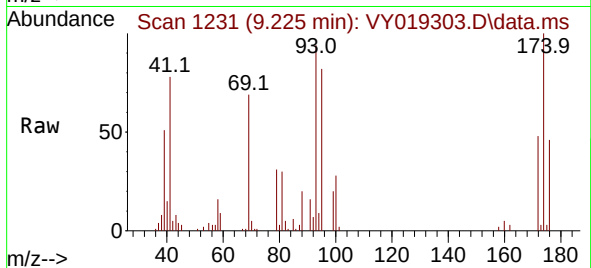
Tgt Ion: 88 Resp: 3470

Ion Ratio Lower Upper

88 100

43 32.8 0.0 0.0#

58 64.4 49.3 73.9



#50

Toluene-d8

Concen: 41.404 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019303.D

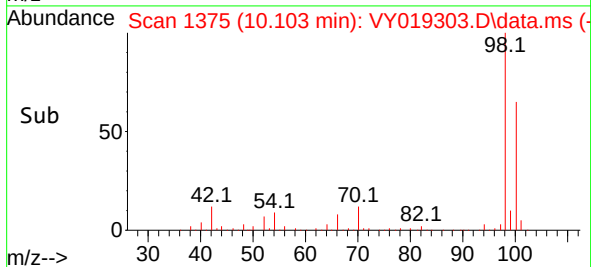
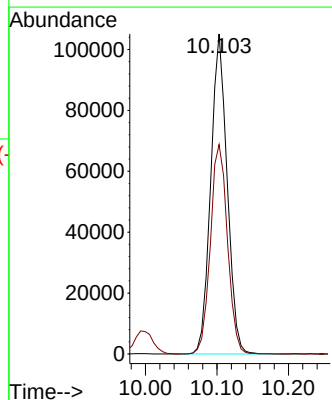
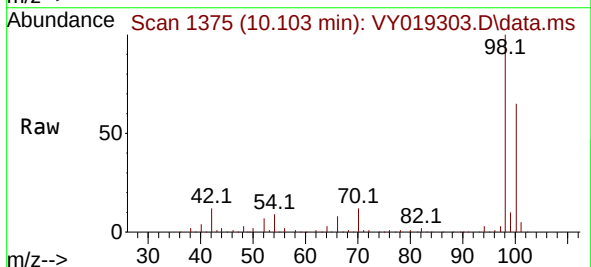
Acq: 28 Aug 2024 00:31

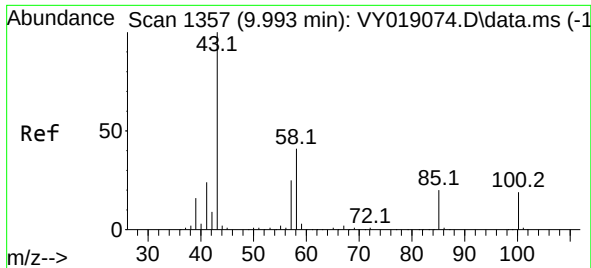
Tgt Ion: 98 Resp: 167344

Ion Ratio Lower Upper

98 100

100 68.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 108.741 ug/l

RT: 9.993 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

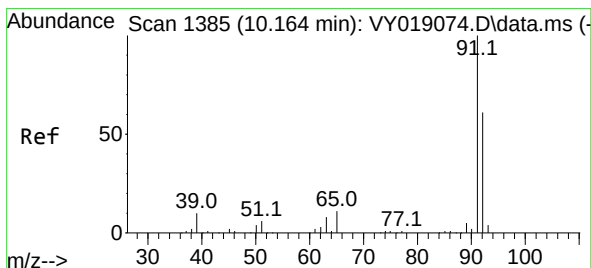
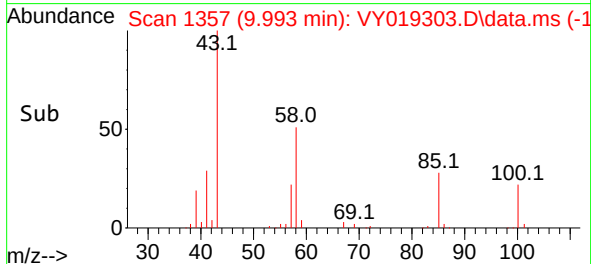
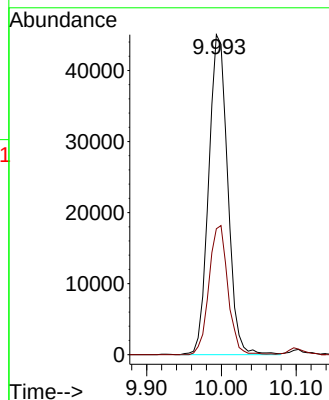
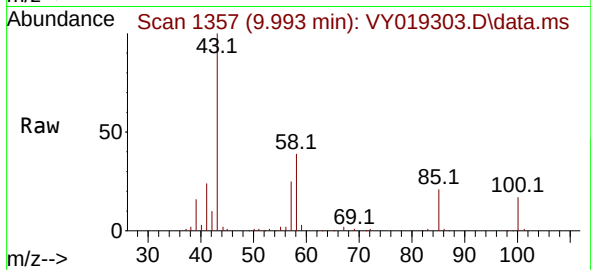
ClientSampleId :

Tgt Ion: 43 Resp: 79755

Ion Ratio Lower Upper

43 100

58 40.1 35.7 53.5



#52

Toluene

Concen: 17.433 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VY019303.D

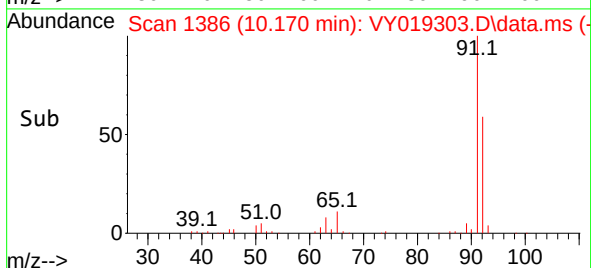
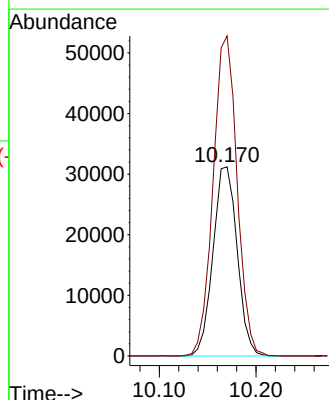
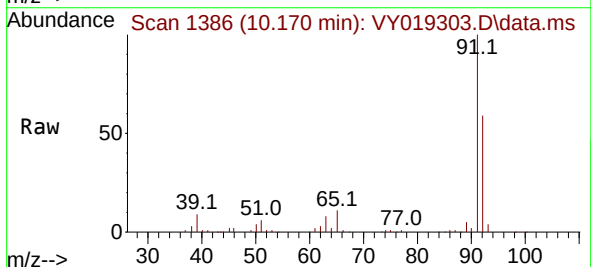
Acq: 28 Aug 2024 00:31

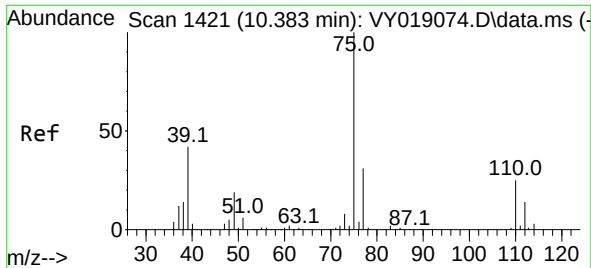
Tgt Ion: 92 Resp: 54127

Ion Ratio Lower Upper

92 100

91 168.0 139.0 208.6

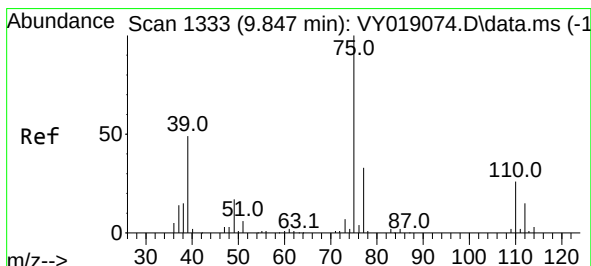
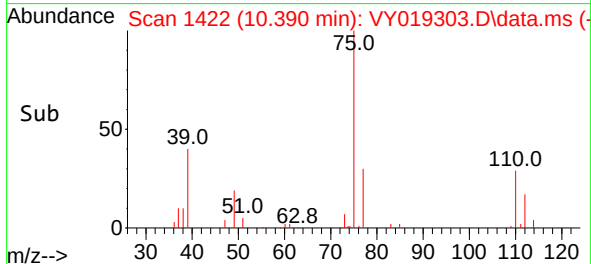
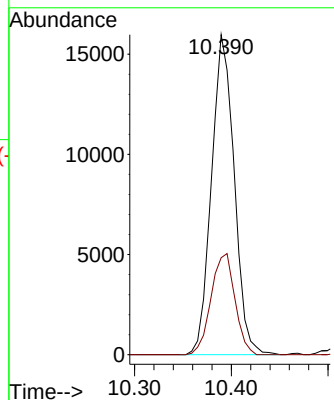
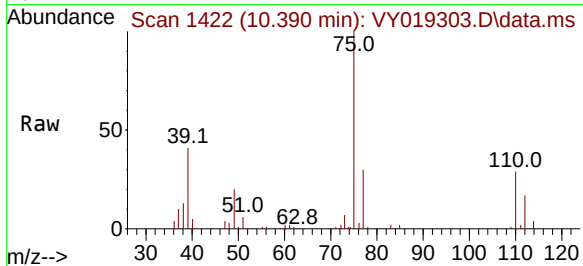




#53  
 t-1,3-Dichloropropene  
 Concen: 18.742 ug/l  
 RT: 10.390 min Scan# 1421  
 Delta R.T. 0.006 min  
 Lab File: VY019303.D  
 Acq: 28 Aug 2024 00:31

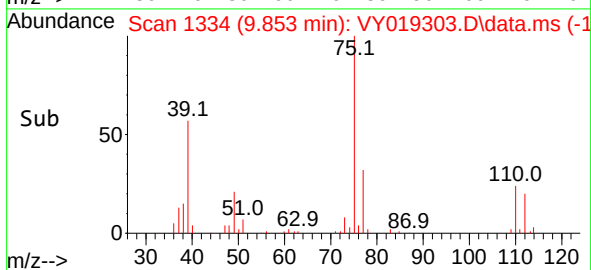
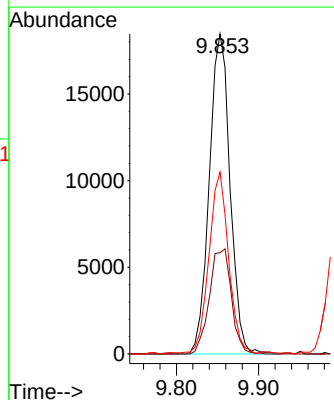
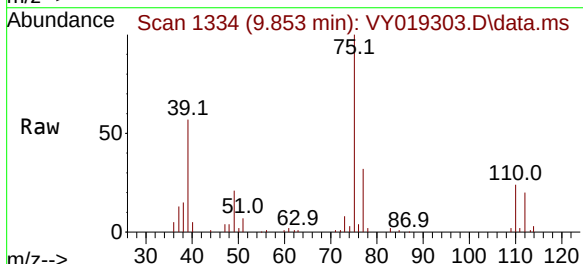
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

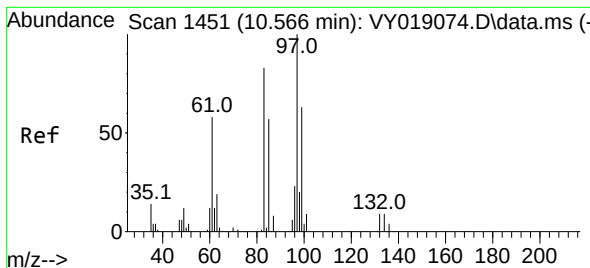
Tgt Ion: 75 Resp: 26072  
 Ion Ratio Lower Upper  
 75 100  
 77 30.3 24.1 36.1



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.322 ug/l  
 RT: 9.853 min Scan# 1334  
 Delta R.T. 0.006 min  
 Lab File: VY019303.D  
 Acq: 28 Aug 2024 00:31

Tgt Ion: 75 Resp: 32325  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 25.4 38.0  
 39 56.5 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 17.995 ug/l

RT: 10.572 min Scan# 1451

Delta R.T. 0.006 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 15834

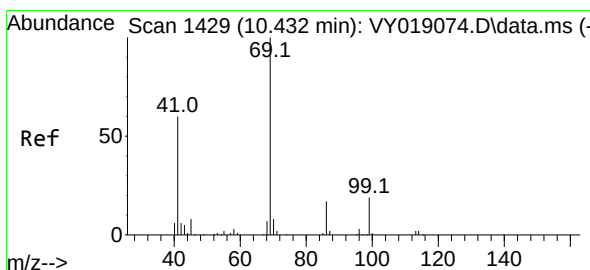
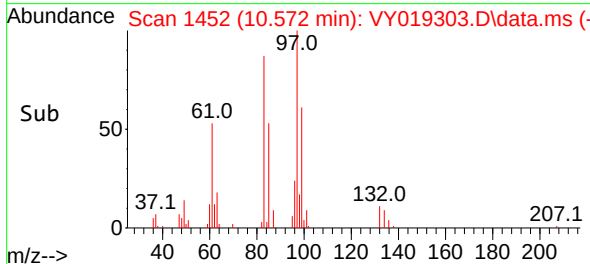
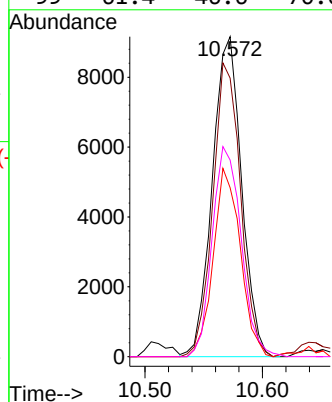
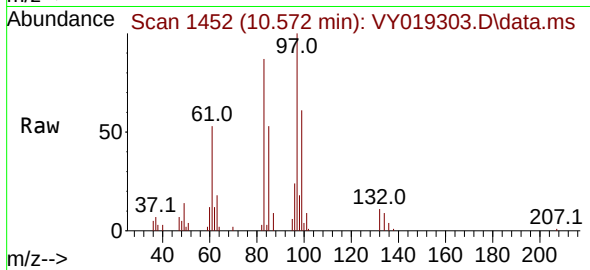
Ion Ratio Lower Upper

97 100

83 87.1 67.5 101.3

85 52.8 42.9 64.3

99 61.4 46.6 70.0



#56

Ethyl methacrylate

Concen: 19.309 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.006 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

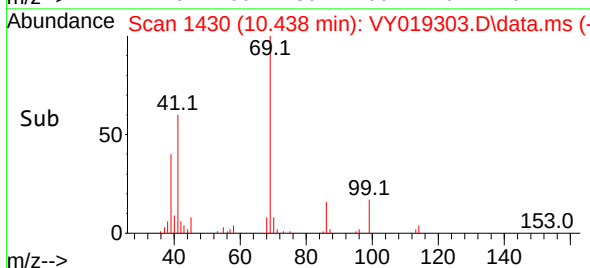
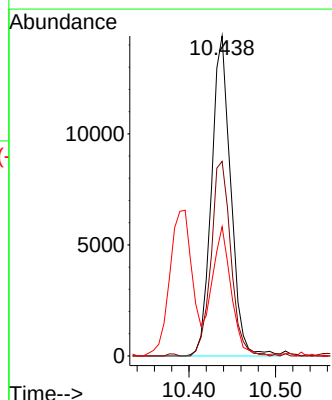
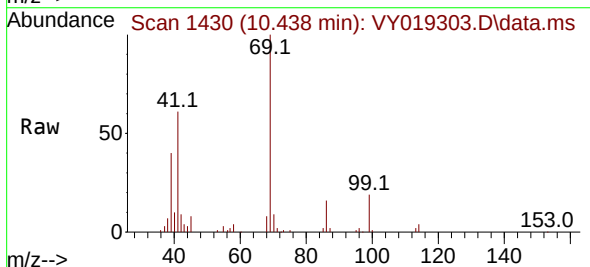
Tgt Ion: 69 Resp: 22239

Ion Ratio Lower Upper

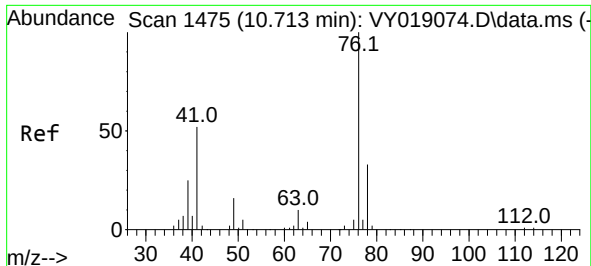
69 100

41 62.6 42.3 63.5

39 39.5 22.9 34.3#







#57

1,3-Dichloropropane

Concen: 18.469 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

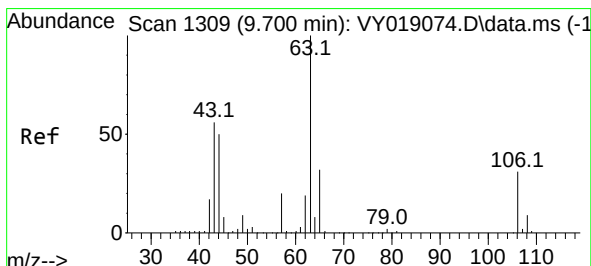
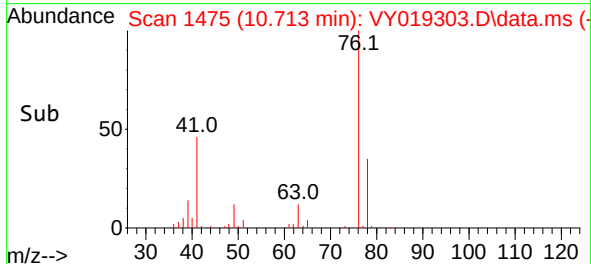
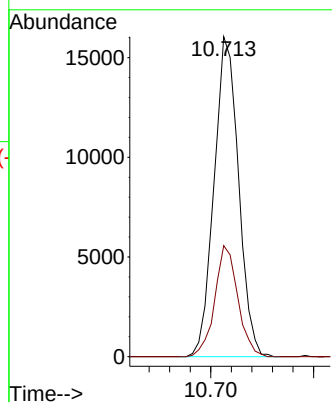
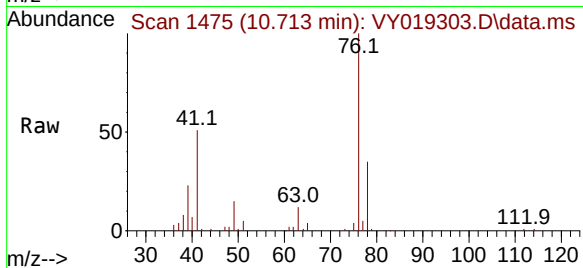
ClientSampleId :

Tgt Ion: 76 Resp: 26492

Ion Ratio Lower Upper

76 100

78 32.7 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 101.208 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.006 min

Lab File: VY019303.D

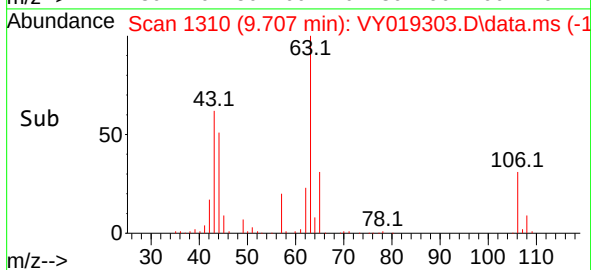
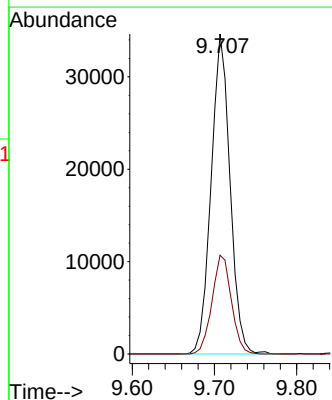
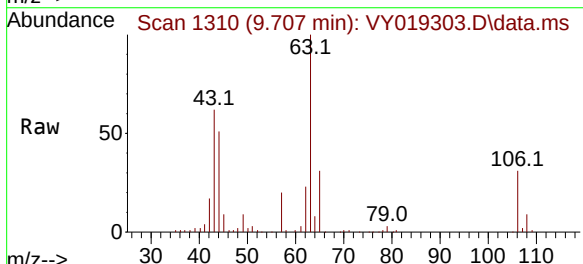
Acq: 28 Aug 2024 00:31

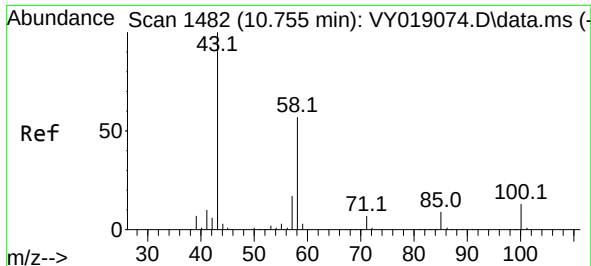
Tgt Ion: 63 Resp: 55298

Ion Ratio Lower Upper

63 100

106 31.6 23.7 35.5

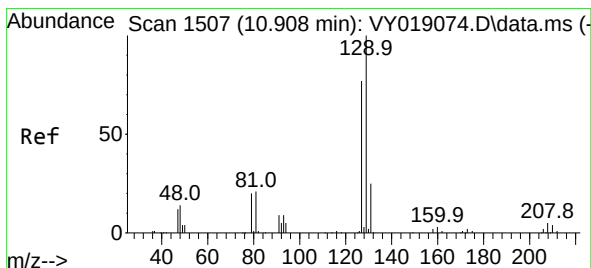
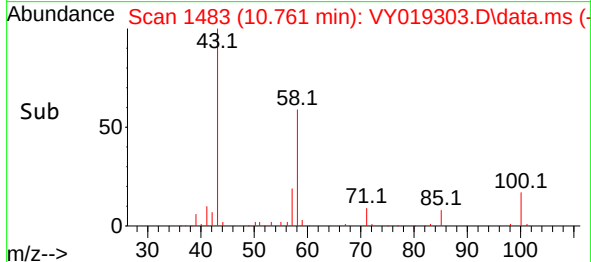
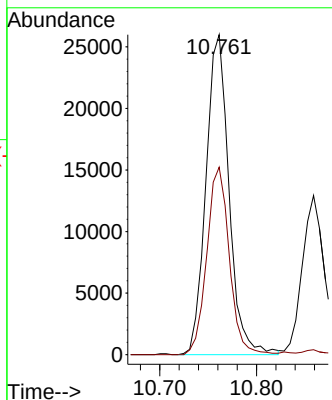
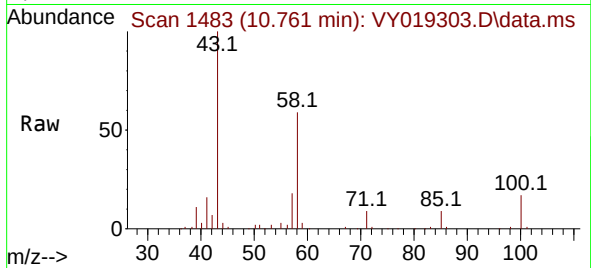




#59  
2-Hexanone  
Concen: 85.569 ug/l  
RT: 10.761 min Scan# 1483  
Delta R.T. 0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

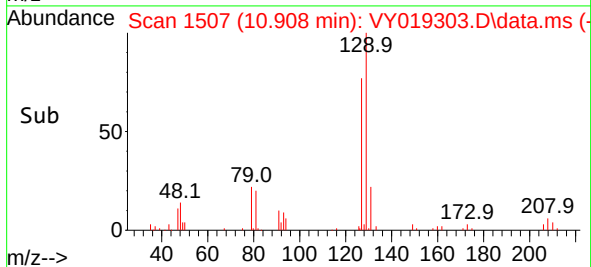
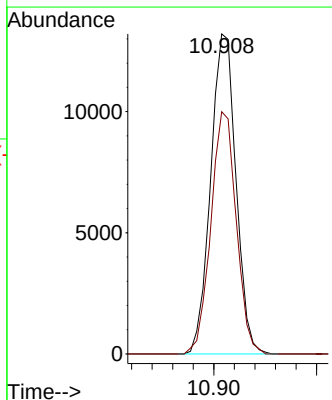
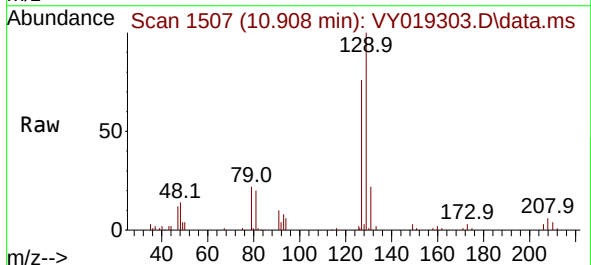
Instrument :  
MSVOA\_Y  
ClientSampleId :

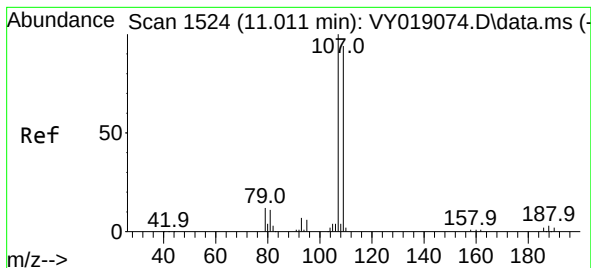
Tgt Ion: 43 Resp: 43117  
Ion Ratio Lower Upper  
43 100  
58 57.1 31.4 94.0



#60  
Dibromochloromethane  
Concen: 18.820 ug/l  
RT: 10.908 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion:129 Resp: 22555  
Ion Ratio Lower Upper  
129 100  
127 75.8 39.0 117.0

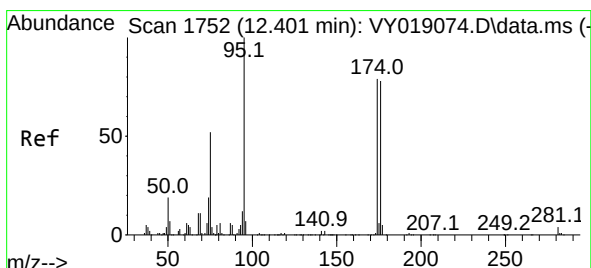
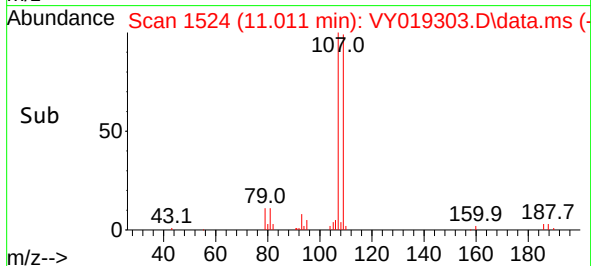
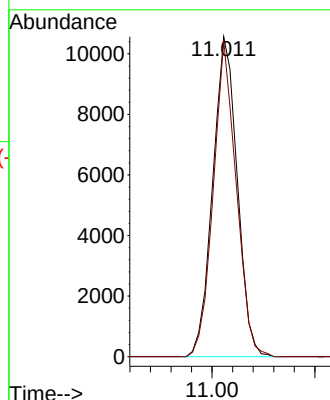
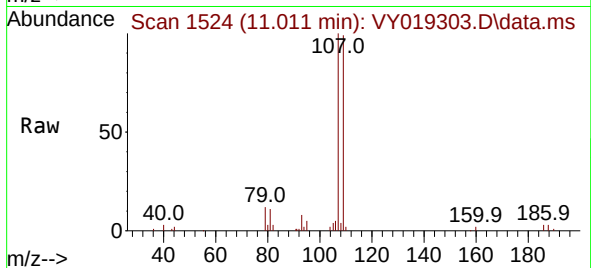




#61  
1,2-Dibromoethane  
Concen: 20.544 ug/l  
RT: 11.011 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

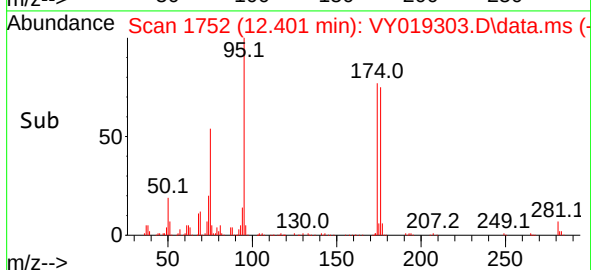
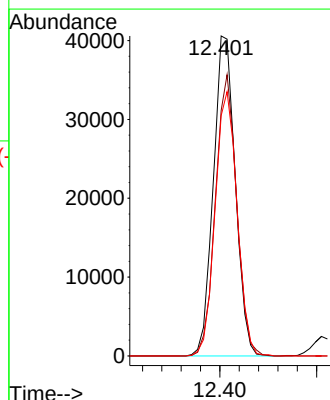
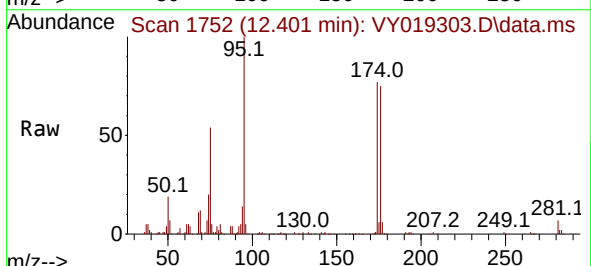
Instrument :  
MSVOA\_Y  
ClientSampleId :

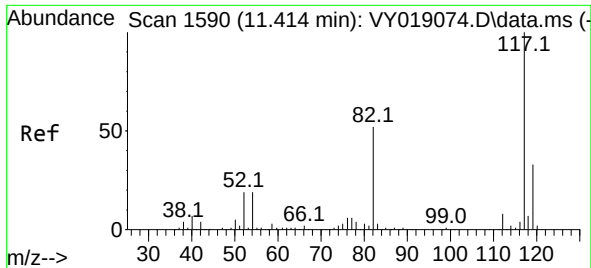
Tgt Ion:107 Resp: 17472  
Ion Ratio Lower Upper  
107 100  
109 92.6 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 46.358 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 95 Resp: 63872  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 175.6  
176 82.7 0.0 171.4

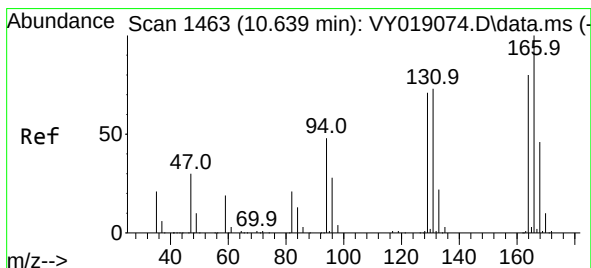
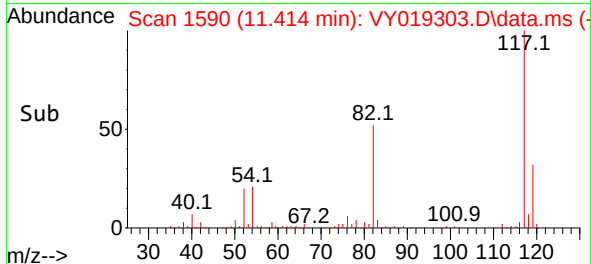
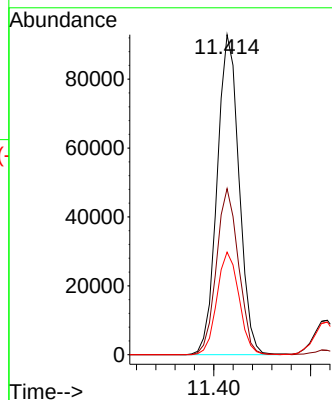
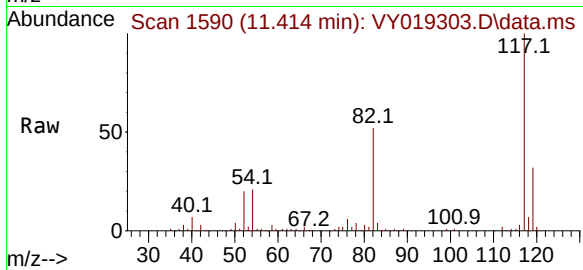




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

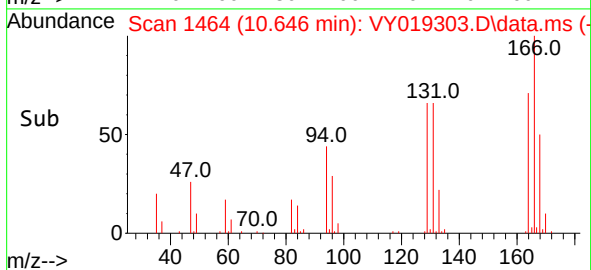
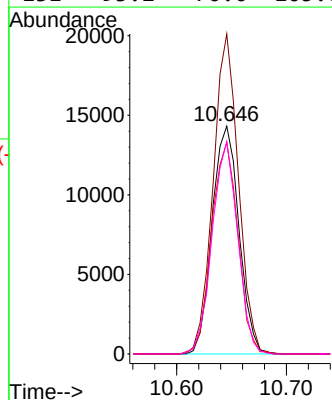
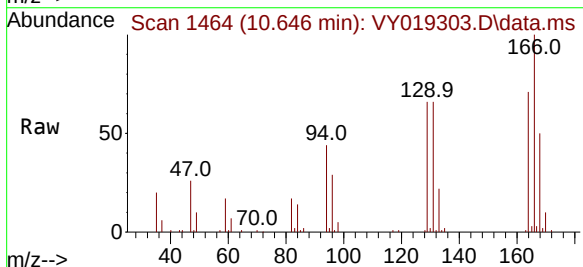
Instrument :  
MSVOA\_Y  
ClientSampleId :

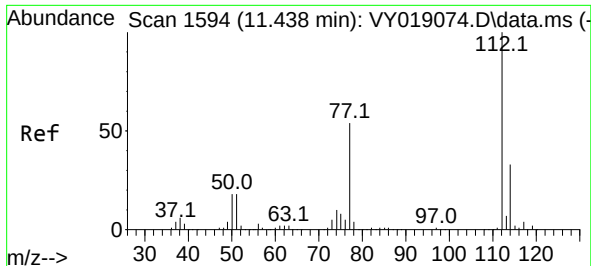
Tgt Ion:117 Resp: 146137  
Ion Ratio Lower Upper  
117 100  
82 51.9 42.4 63.6  
119 32.0 25.9 38.9



#64  
Tetrachloroethene  
Concen: 19.095 ug/l  
RT: 10.646 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion:164 Resp: 24391  
Ion Ratio Lower Upper  
164 100  
166 140.4 102.6 154.0  
129 92.8 72.0 108.0  
131 93.2 70.0 105.0

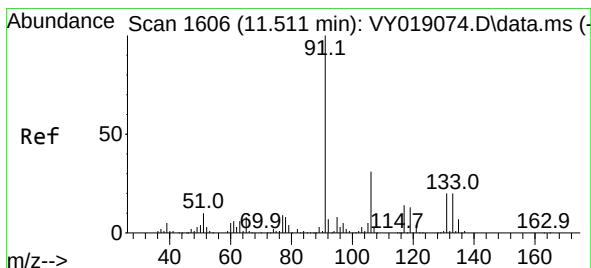
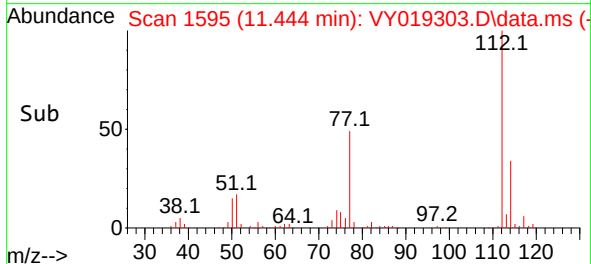
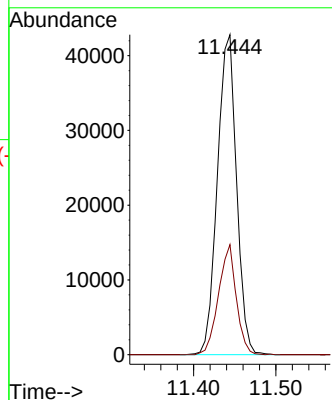
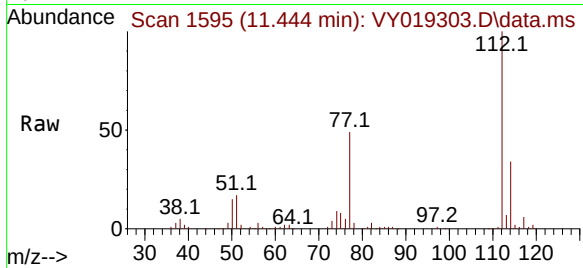




#65  
Chlorobenzene  
Concen: 20.598 ug/l  
RT: 11.444 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

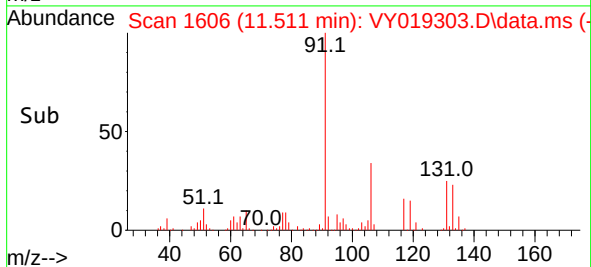
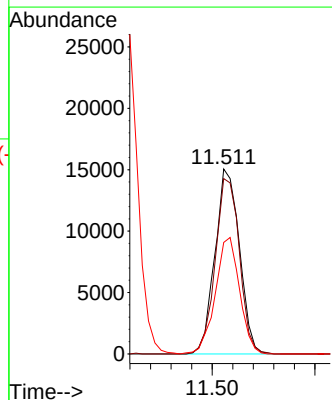
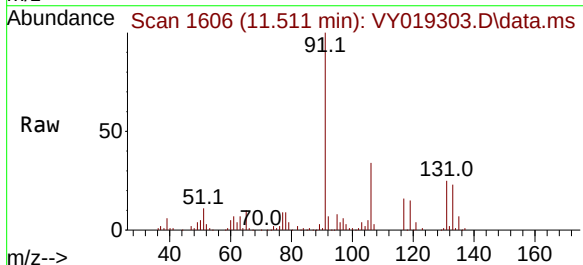
Instrument :  
MSVOA\_Y  
ClientSampleId :

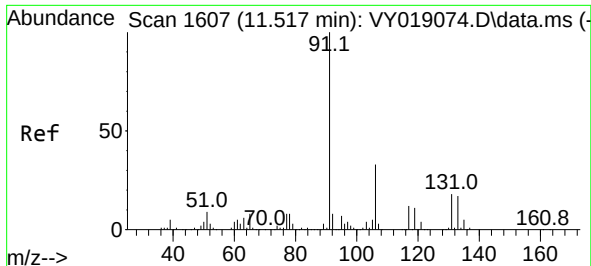
Tgt Ion:112 Resp: 69311  
Ion Ratio Lower Upper  
112 100  
114 34.4 26.4 39.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.998 ug/l  
RT: 11.511 min Scan# 1606  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion:131 Resp: 24848  
Ion Ratio Lower Upper  
131 100  
133 93.7 47.8 143.3  
119 62.5 34.1 102.2





#67

Ethyl Benzene

Concen: 19.711 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

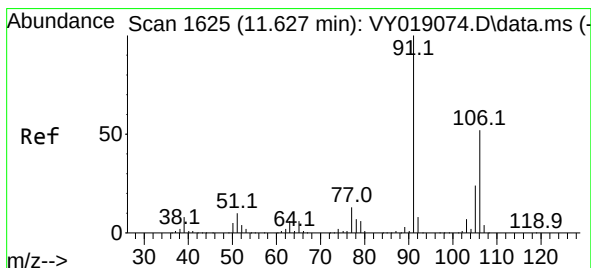
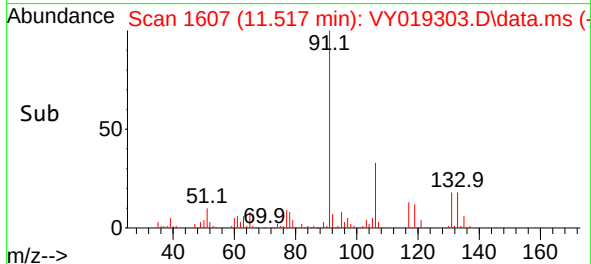
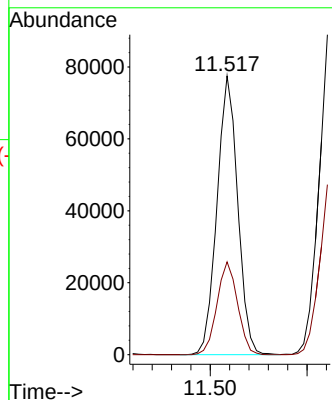
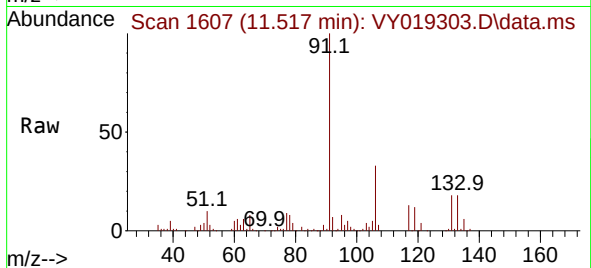
ClientSampleId :

Tgt Ion: 91 Resp: 115121

Ion Ratio Lower Upper

91 100

106 33.3 24.5 36.7



#68

m/p-Xylenes

Concen: 41.268 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY019303.D

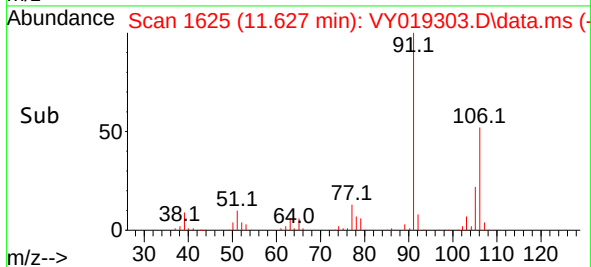
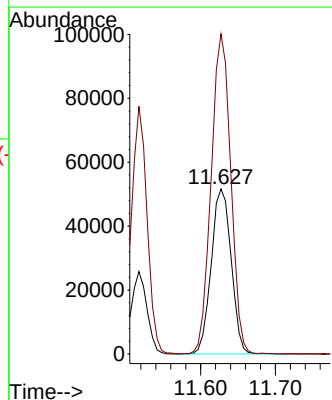
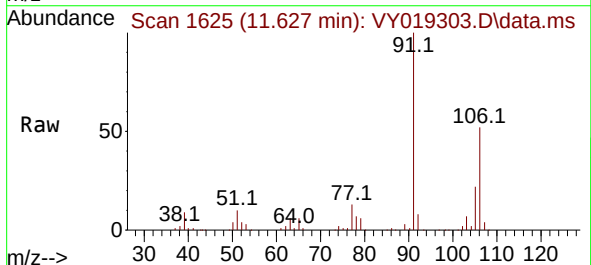
Acq: 28 Aug 2024 00:31

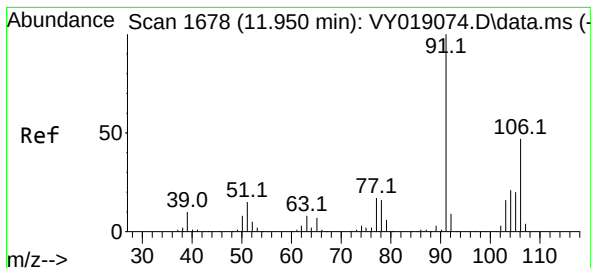
Tgt Ion:106 Resp: 95637

Ion Ratio Lower Upper

106 100

91 191.3 156.0 234.0





#69

o-Xylene

Concen: 20.686 ug/l

RT: 11.950 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

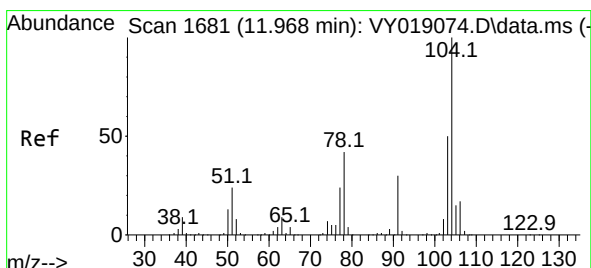
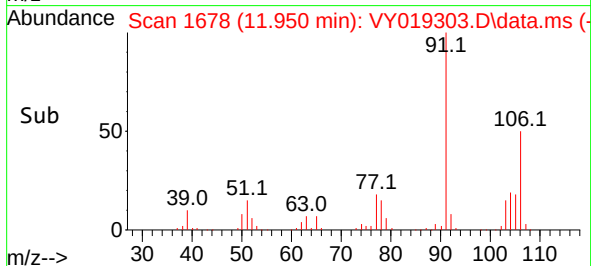
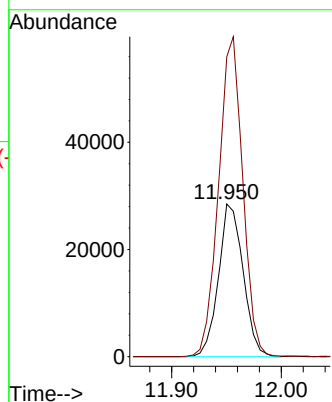
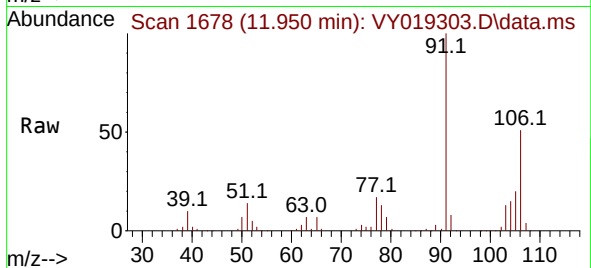
ClientSampleId :

Tgt Ion:106 Resp: 44394

Ion Ratio Lower Upper

106 100

91 206.3 103.6 310.8



#70

Styrene

Concen: 20.384 ug/l

RT: 11.968 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

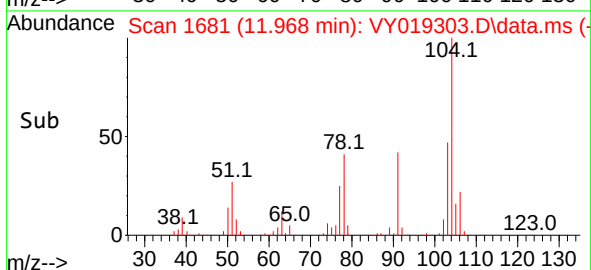
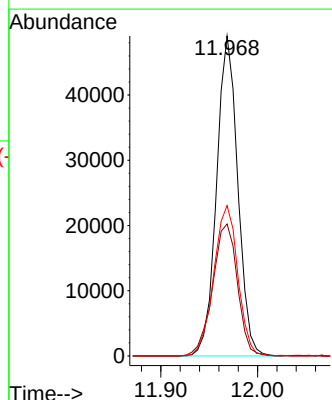
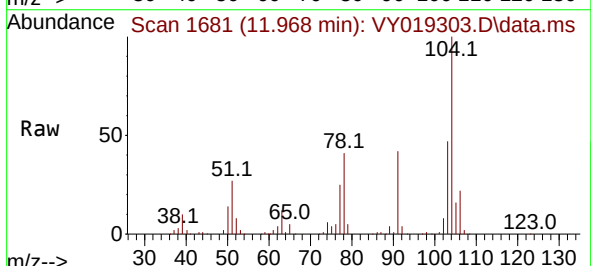
Tgt Ion:104 Resp: 74597

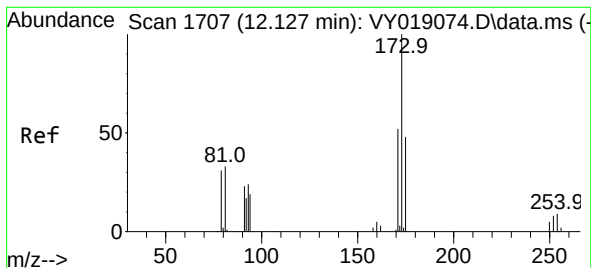
Ion Ratio Lower Upper

104 100

78 48.1 37.0 55.4

103 53.4 44.2 66.2





#71

Bromoform

Concen: 20.335 ug/l

RT: 12.127 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019303.D

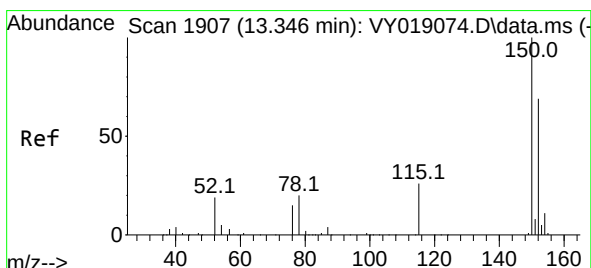
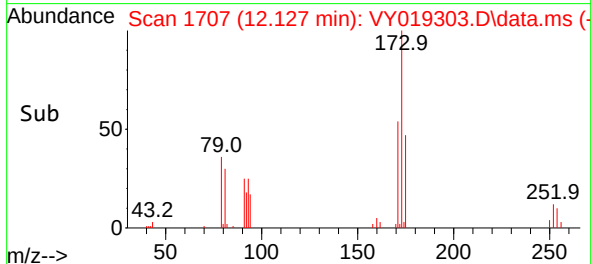
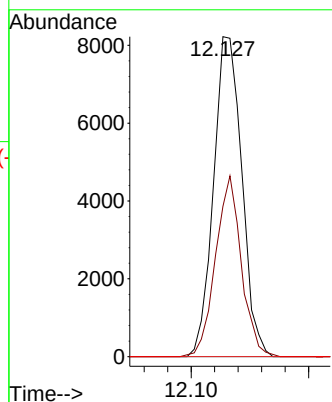
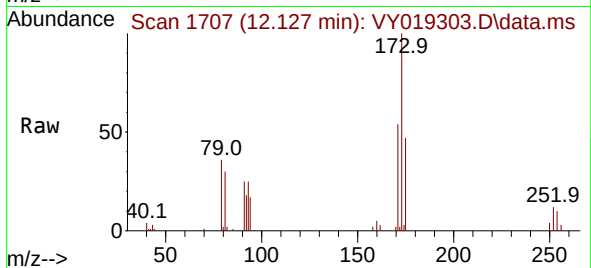
Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 13756 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 51.4  | 25.1  | 75.3  |
| 254       | 0.0   | 0.0   | 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

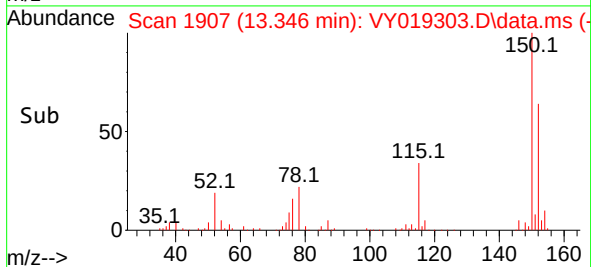
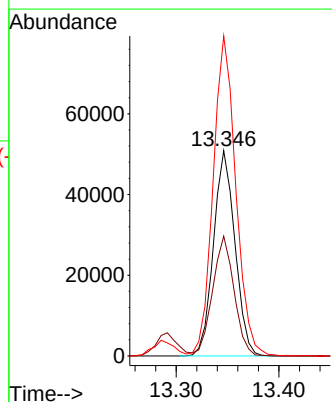
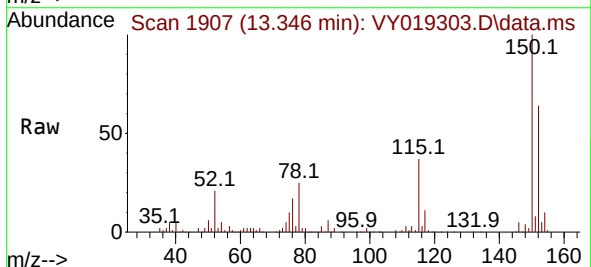
RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

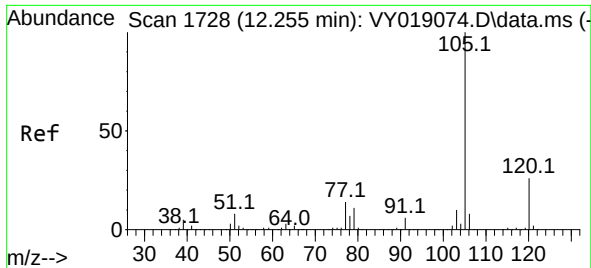
Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 73645 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 58.4  | 28.2  | 84.7  |
| 150       | 164.9 | 0.0   | 345.6 |



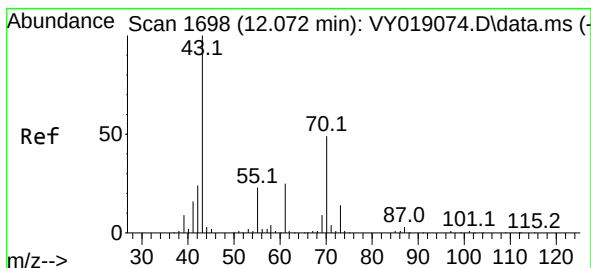
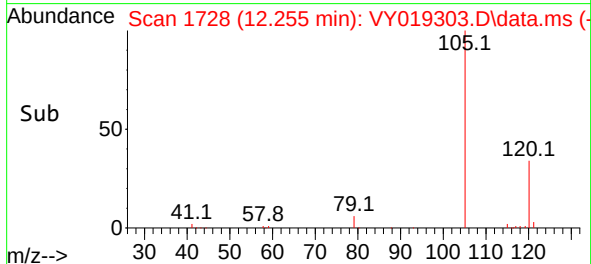
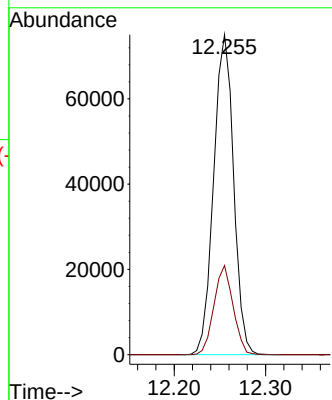
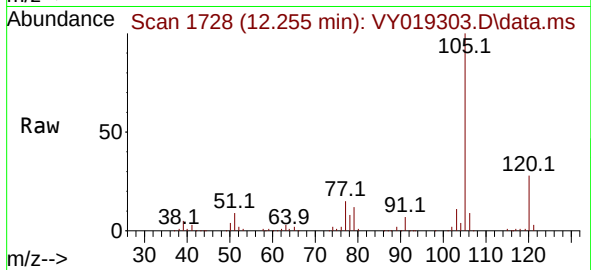




#73  
Isopropylbenzene  
Concen: 20.131 ug/l  
RT: 12.255 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

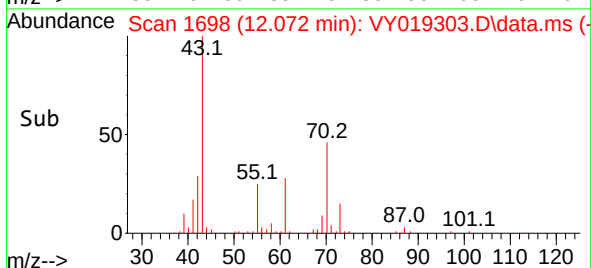
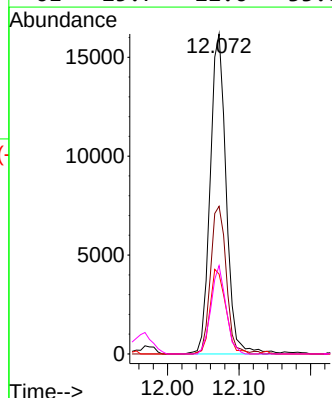
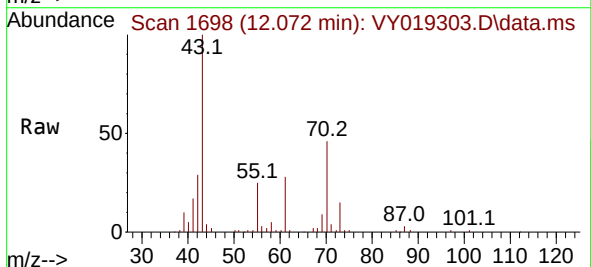
Instrument :  
MSVOA\_Y  
ClientSampleId :

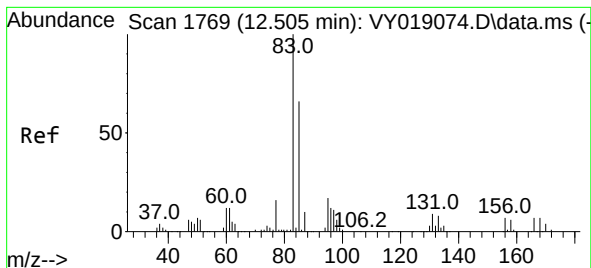
Tgt Ion:105 Resp: 113631  
Ion Ratio Lower Upper  
105 100  
120 26.7 13.4 40.1



#74  
N-ethyl acetate  
Concen: 20.389 ug/l  
RT: 12.072 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 43 Resp: 25096  
Ion Ratio Lower Upper  
43 100  
70 45.7 41.4 62.2  
55 26.0 23.3 34.9  
61 25.7 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.968 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

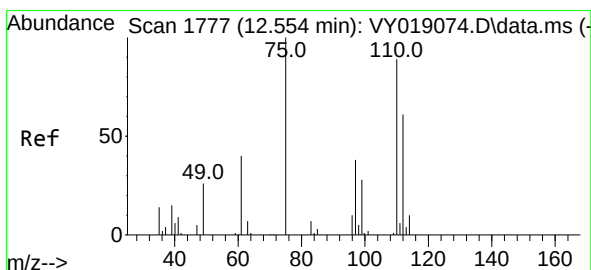
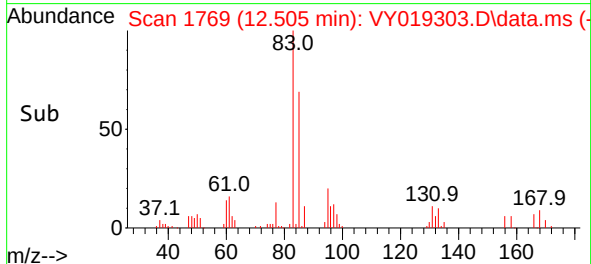
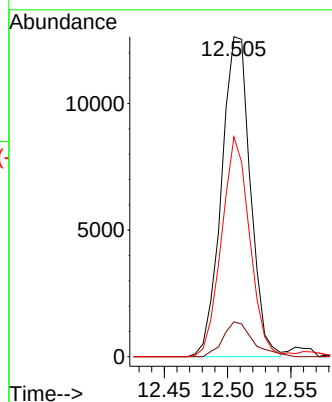
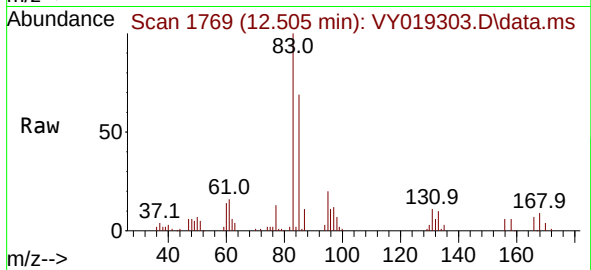
Tgt Ion: 83 Resp: 20066

Ion Ratio Lower Upper

83 100

131 11.2 5.0 14.9

85 67.0 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 36.062 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY019303.D

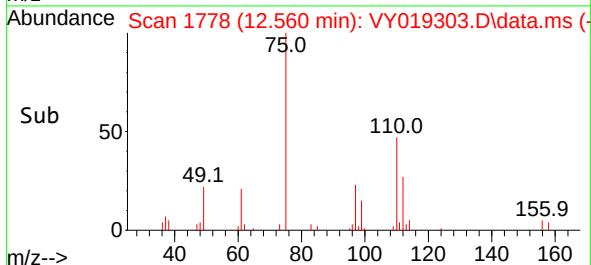
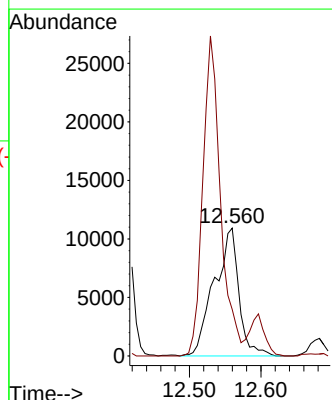
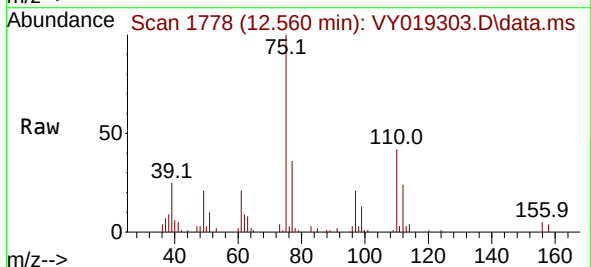
Acq: 28 Aug 2024 00:31

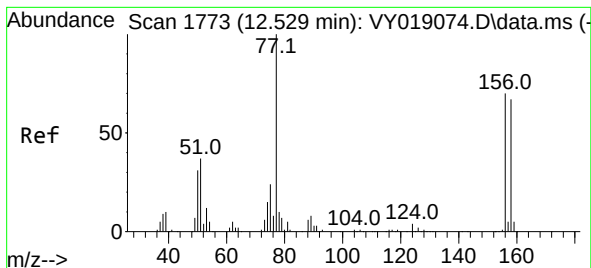
Tgt Ion: 75 Resp: 26191

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.286 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

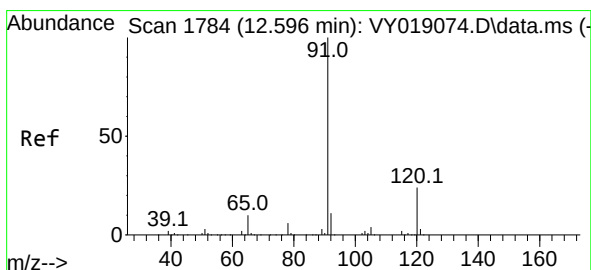
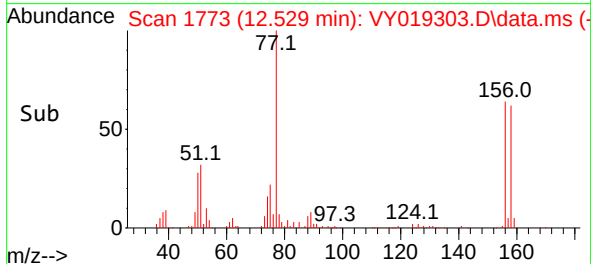
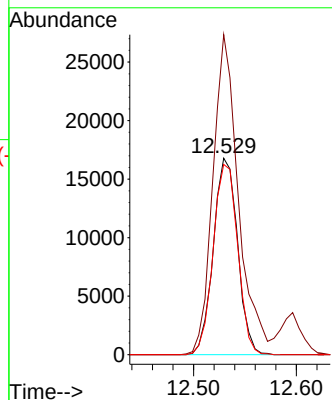
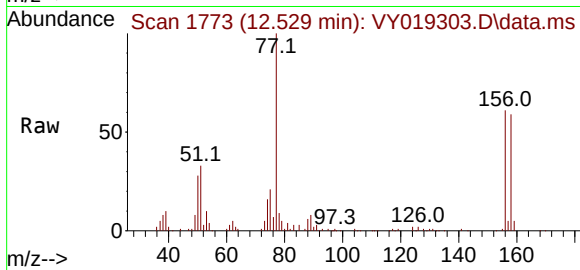
Tgt Ion:156 Resp: 27500

Ion Ratio Lower Upper

156 100

77 171.3 87.1 261.3

158 98.0 48.6 145.9



#78

n-propylbenzene

Concen: 20.105 ug/l

RT: 12.596 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY019303.D

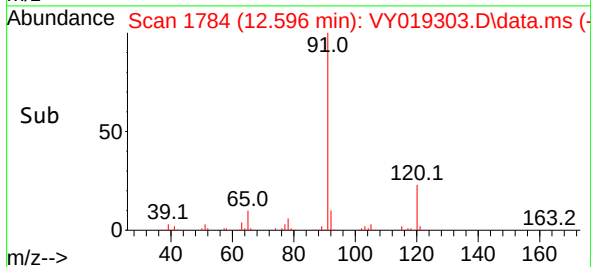
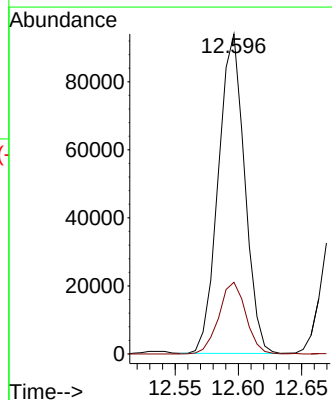
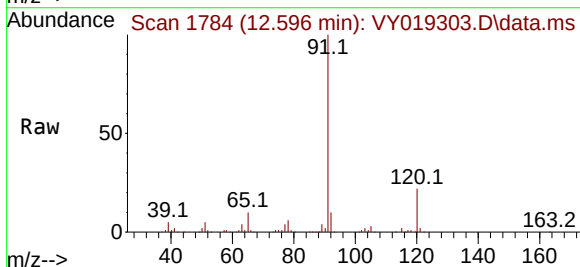
Acq: 28 Aug 2024 00:31

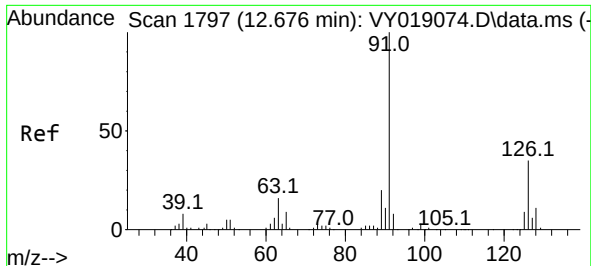
Tgt Ion: 91 Resp: 135662

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.4

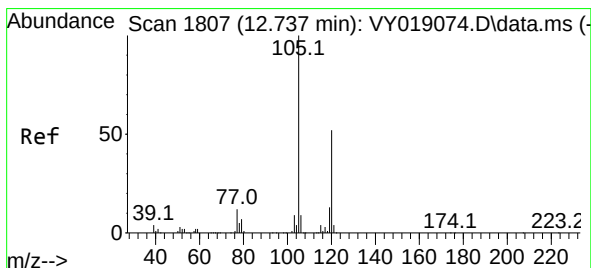
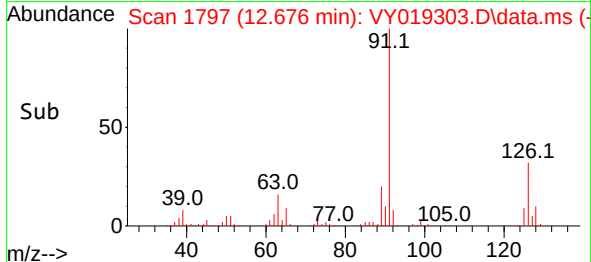
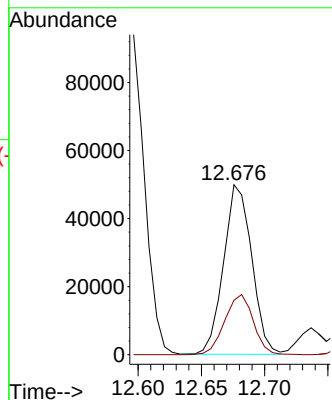
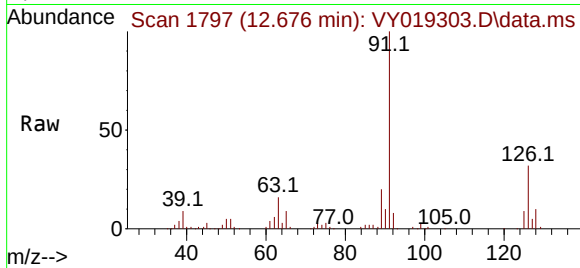




#79  
2-Chlorotoluene  
Concen: 20.398 ug/l  
RT: 12.676 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

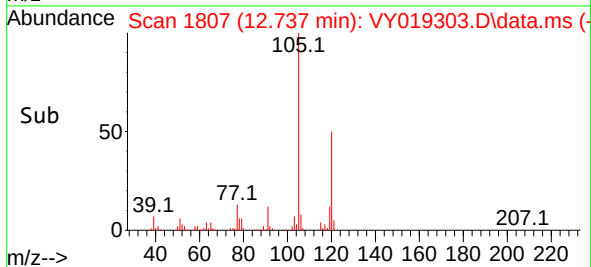
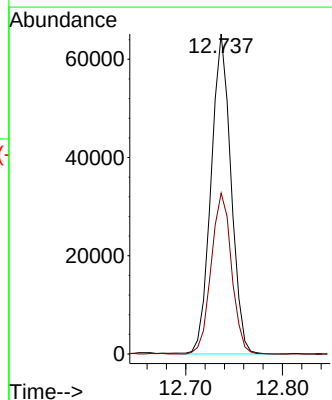
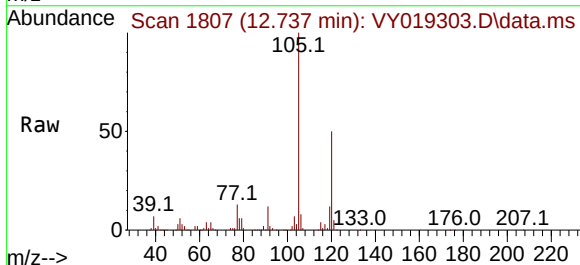
Instrument :  
MSVOA\_Y  
ClientSampleId :

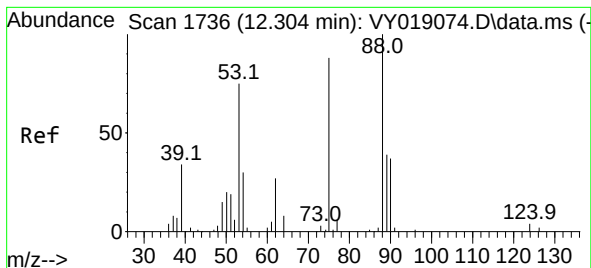
Tgt Ion: 91 Resp: 77166  
Ion Ratio Lower Upper  
91 100  
126 36.0 17.8 53.5



#80  
1,3,5-Trimethylbenzene  
Concen: 20.308 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 105 Resp: 93381  
Ion Ratio Lower Upper  
105 100  
120 51.2 25.1 75.2

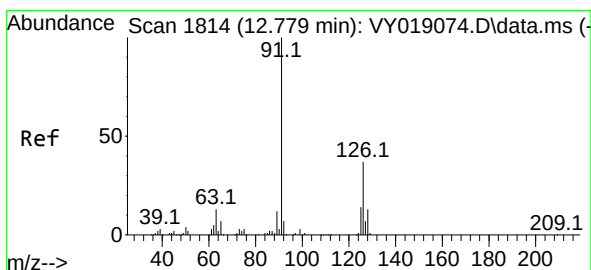
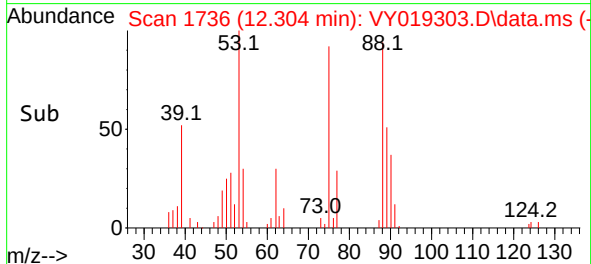
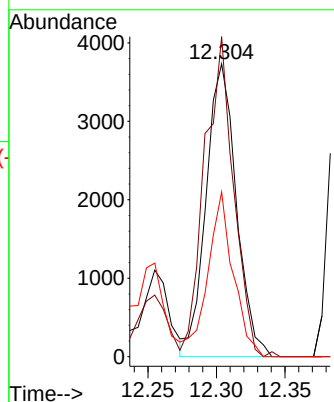
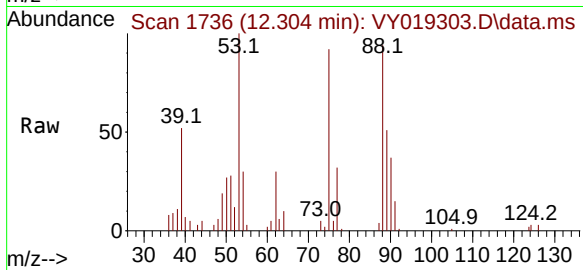




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.502 ug/l  
RT: 12.304 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

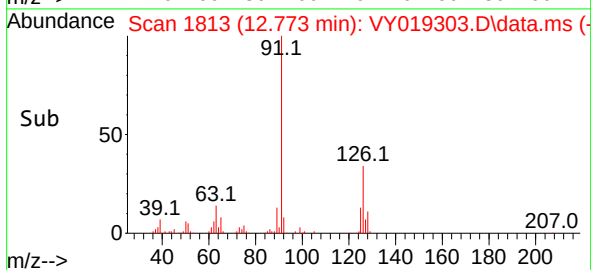
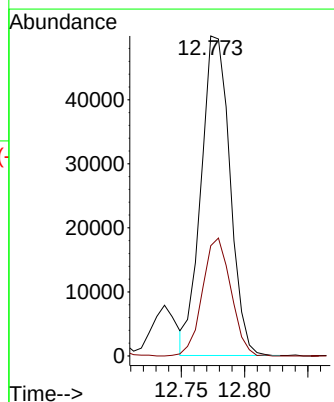
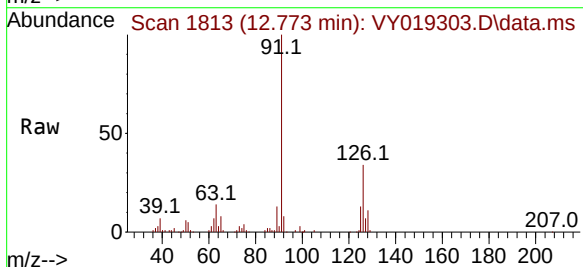
Instrument :  
MSVOA\_Y  
ClientSampleId :

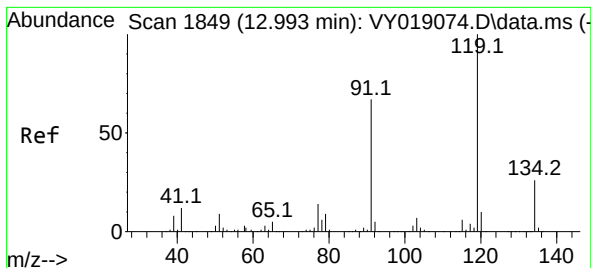
Tgt Ion: 75 Resp: 5735  
Ion Ratio Lower Upper  
75 100  
53 104.5 66.8 100.2#  
89 47.5 35.8 53.6



#82  
4-Chlorotoluene  
Concen: 20.130 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.006 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 91 Resp: 79228  
Ion Ratio Lower Upper  
91 100  
126 36.4 17.6 52.9





#83

tert-Butylbenzene

Concen: 19.872 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

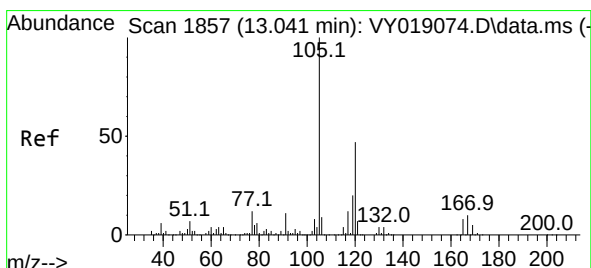
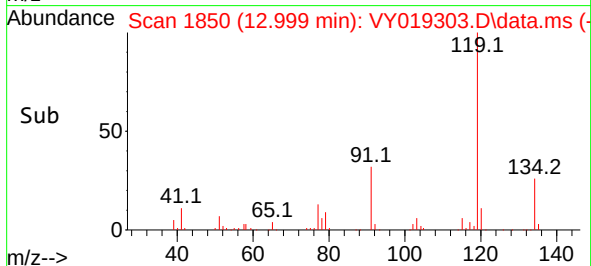
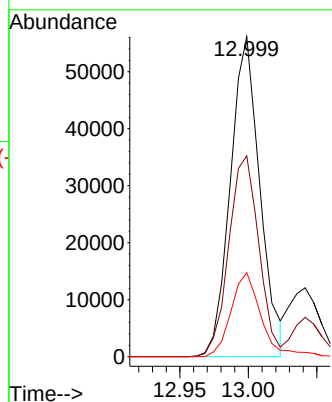
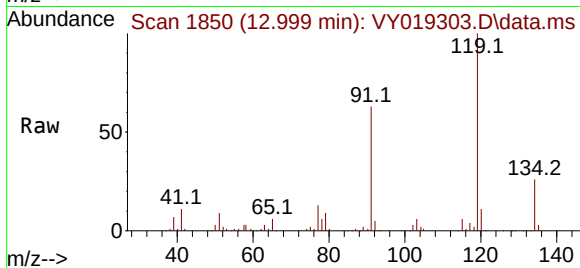
Tgt Ion:119 Resp: 84388

Ion Ratio Lower Upper

119 100

91 63.8 31.3 93.8

134 26.8 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 20.105 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY019303.D

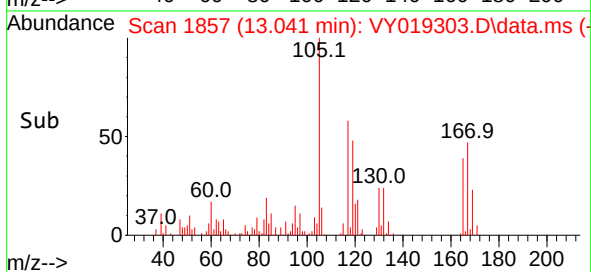
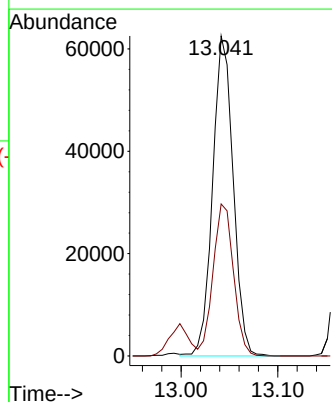
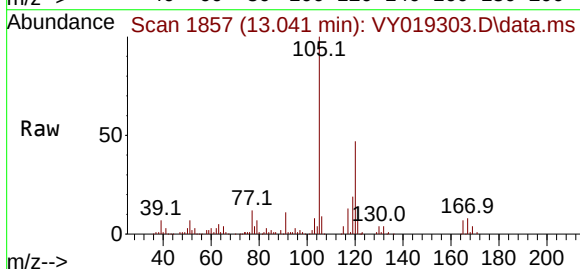
Acq: 28 Aug 2024 00:31

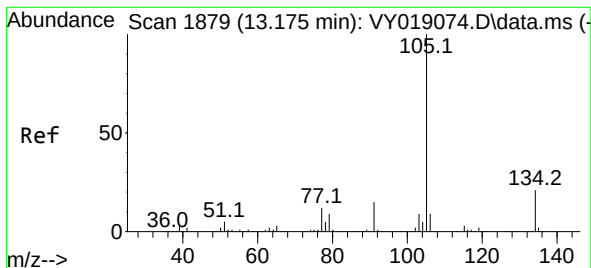
Tgt Ion:105 Resp: 92139

Ion Ratio Lower Upper

105 100

120 47.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 19.650 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

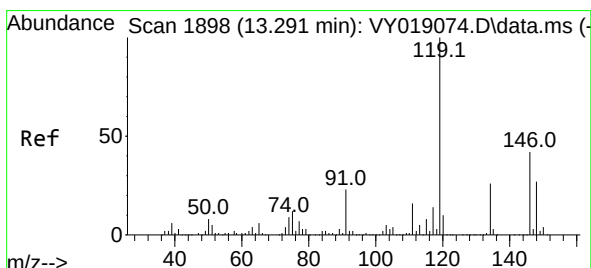
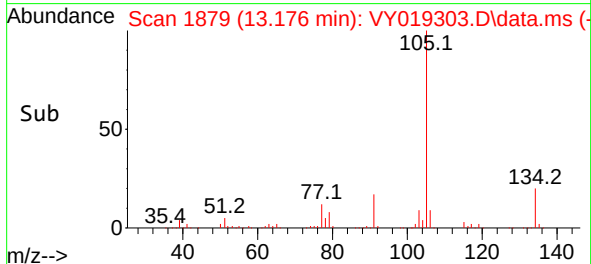
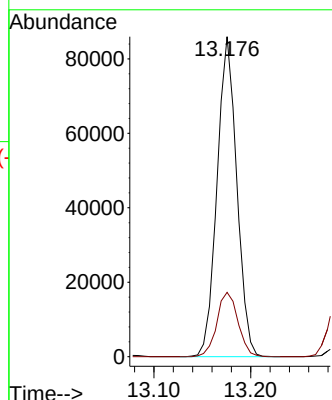
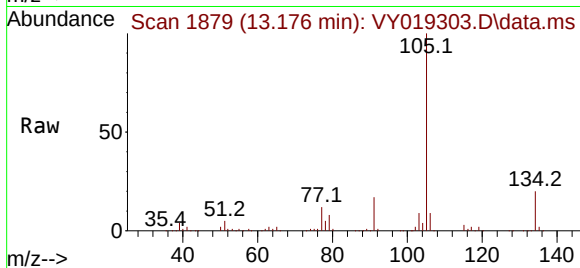
ClientSampleId :

Tgt Ion:105 Resp: 121600

Ion Ratio Lower Upper

105 100

134 21.5 10.1 30.1



#86

p-Isopropyltoluene

Concen: 19.695 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

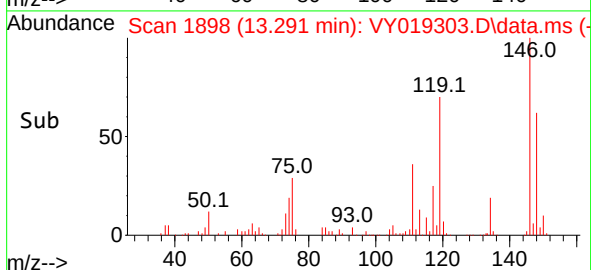
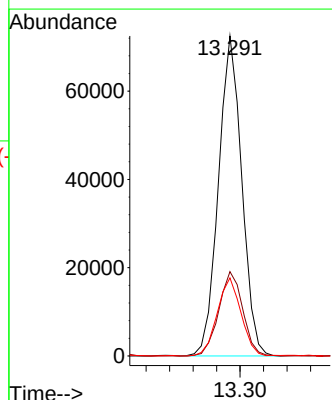
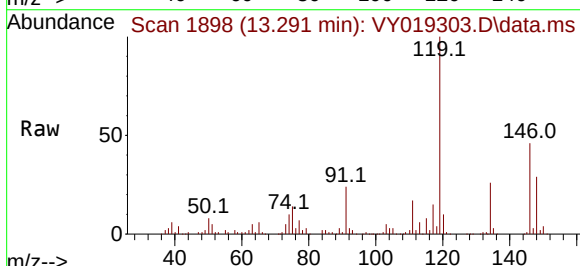
Tgt Ion:119 Resp: 100110

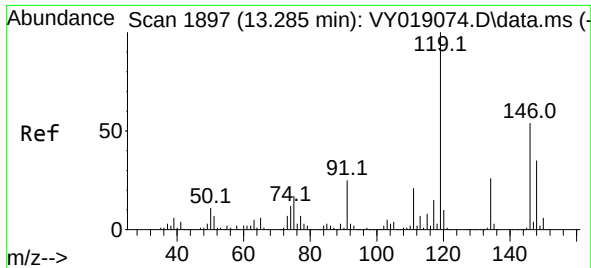
Ion Ratio Lower Upper

119 100

134 27.0 13.1 39.3

91 24.8 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 19.918 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

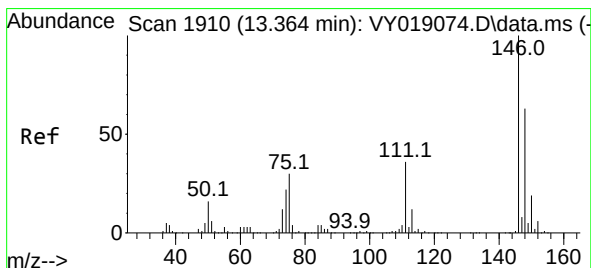
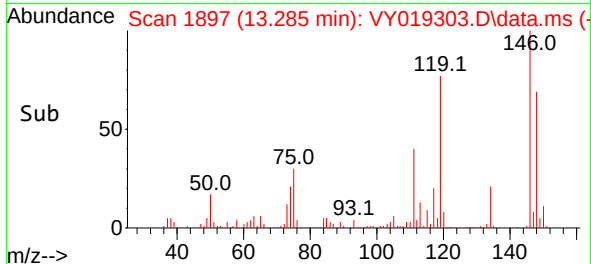
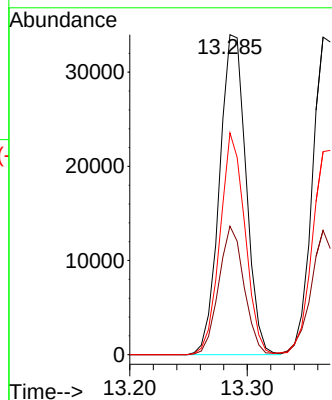
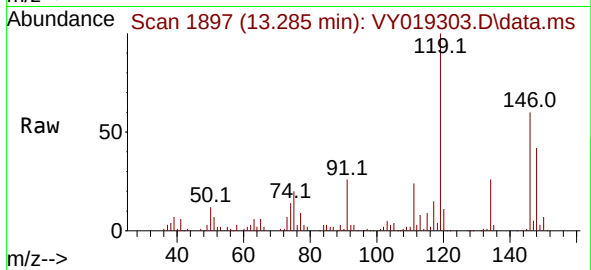
Tgt Ion:146 Resp: 53248

Ion Ratio Lower Upper

146 100

111 38.4 19.0 57.0

148 65.3 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 20.051 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

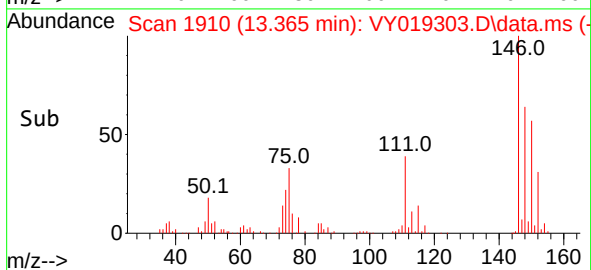
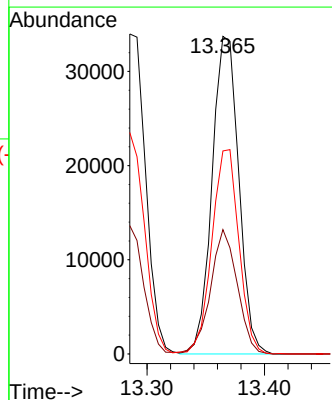
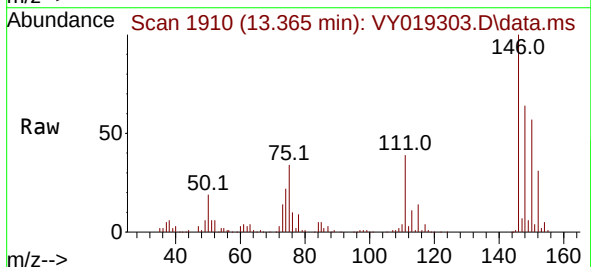
Tgt Ion:146 Resp: 53284

Ion Ratio Lower Upper

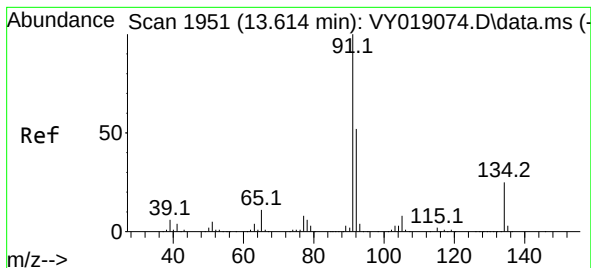
146 100

111 39.4 18.4 55.4

148 65.3 32.4 97.2







#89

n-Butylbenzene

Concen: 19.275 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY019303.D

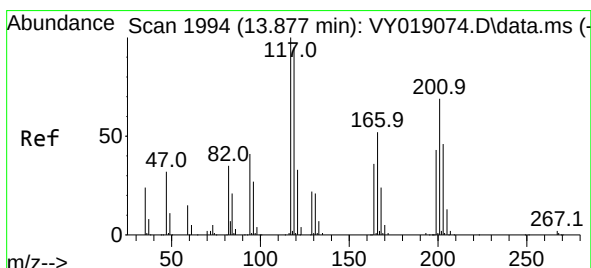
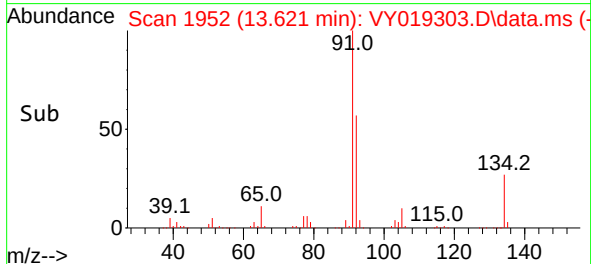
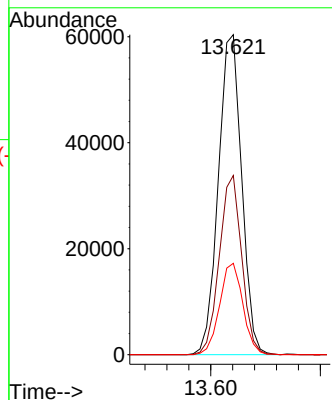
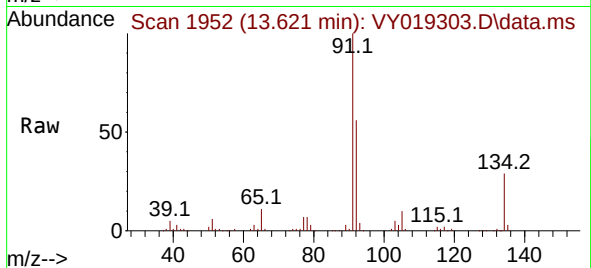
Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 91 | Resp: 89323    |
| Ion Ratio   | Lower Upper    |
| 91          | 100            |
| 92          | 53.8 26.6 79.7 |
| 134         | 28.5 12.9 38.7 |



#90

Hexachloroethane

Concen: 20.721 ug/l

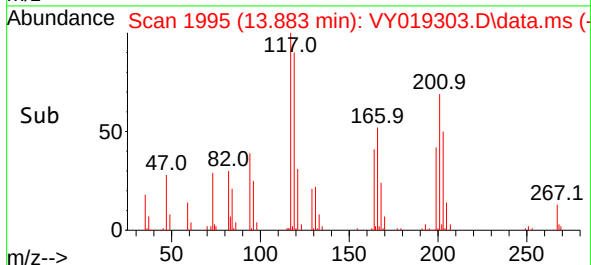
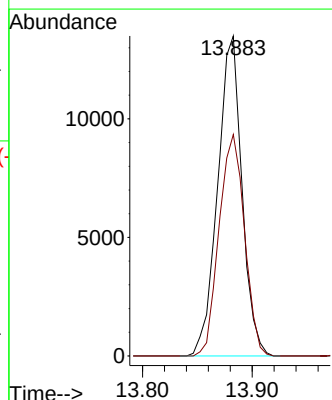
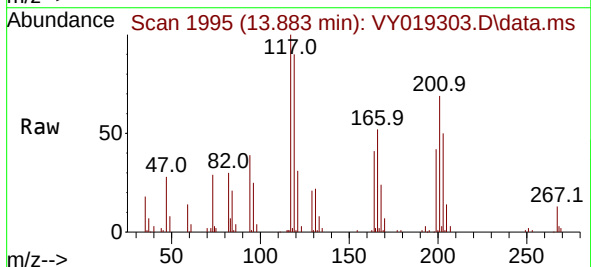
RT: 13.883 min Scan# 1995

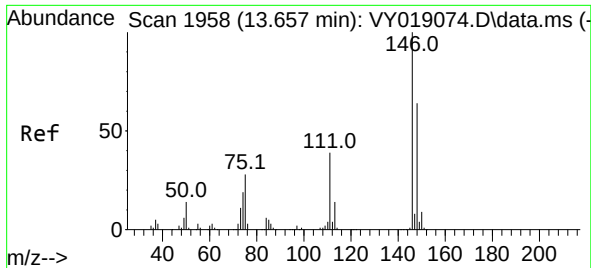
Delta R.T. 0.006 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 20760     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 201          | 72.2 37.4 112.2 |

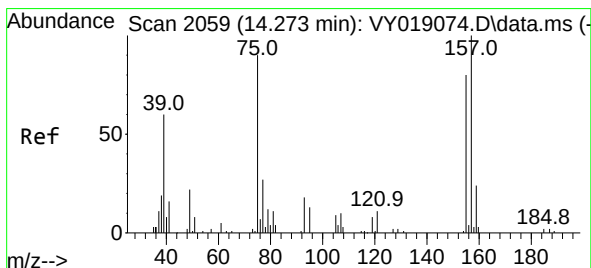
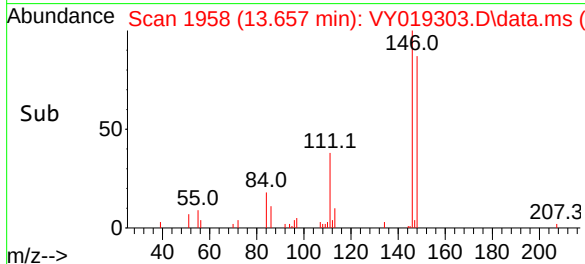
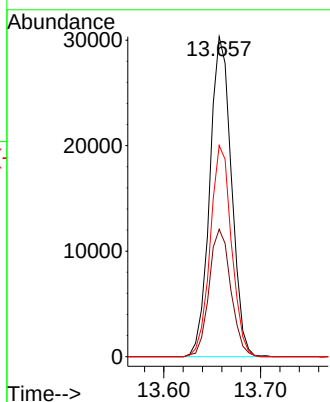
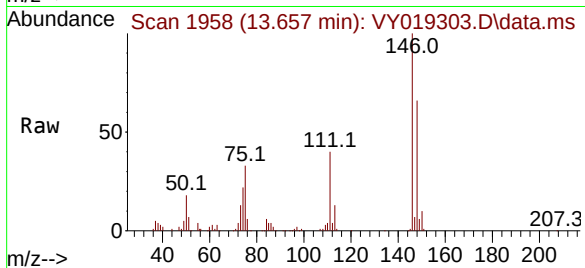




#91  
1,2-Dichlorobenzene  
Concen: 20.071 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

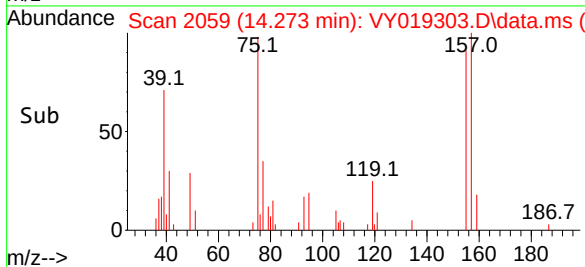
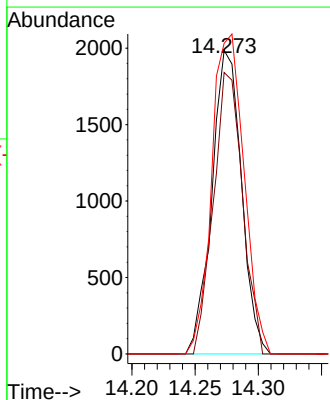
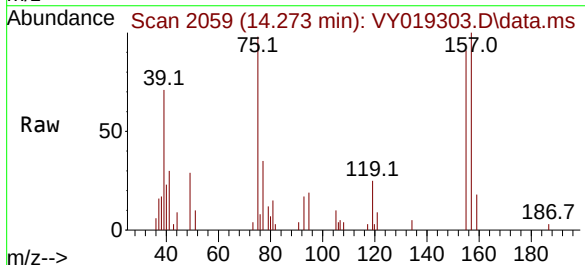
Instrument :  
MSVOA\_Y  
ClientSampleId :

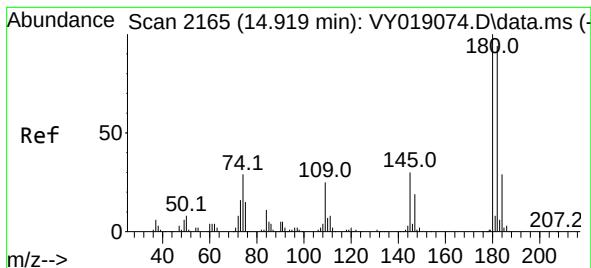
Tgt Ion:146 Resp: 47191  
Ion Ratio Lower Upper  
146 100  
111 39.9 19.9 59.7  
148 64.9 31.8 95.4



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 21.822 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. 0.000 min  
Lab File: VY019303.D  
Acq: 28 Aug 2024 00:31

Tgt Ion: 75 Resp: 3226  
Ion Ratio Lower Upper  
75 100  
155 91.3 48.6 145.8  
157 114.7 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 19.955 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY019303.D

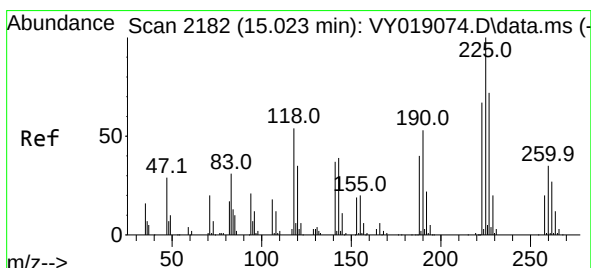
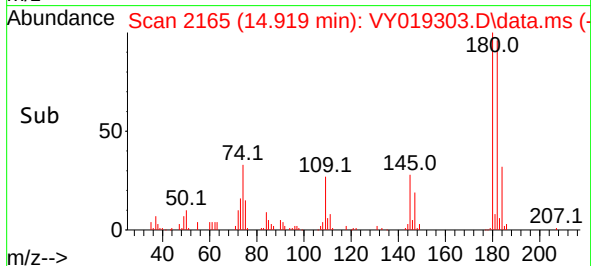
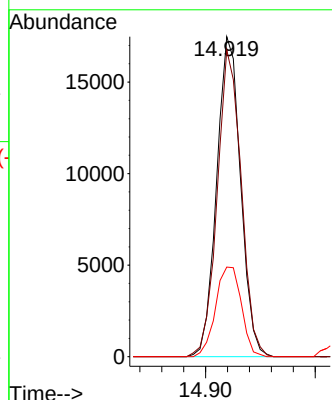
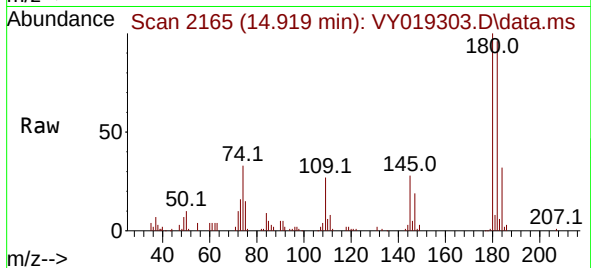
Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 26460 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.1  | 47.9  | 143.8 |
| 145       | 30.2  | 14.2  | 42.6  |



#94

Hexachlorobutadiene

Concen: 23.253 ug/l

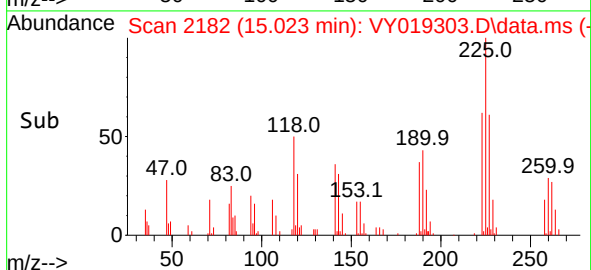
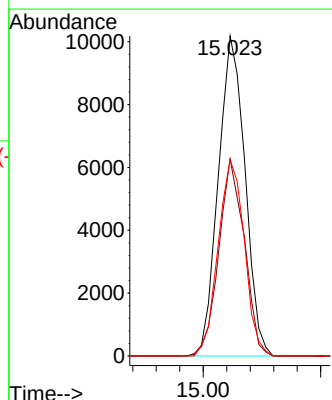
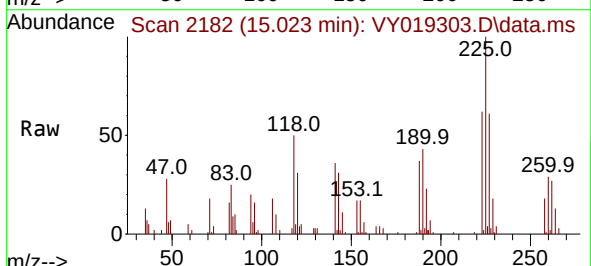
RT: 15.023 min Scan# 2182

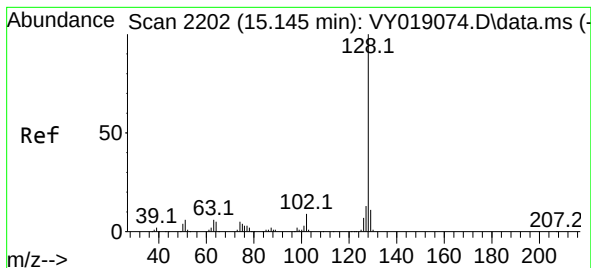
Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 16060 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 58.6  | 30.4  | 91.2  |
| 227       | 60.2  | 31.9  | 95.9  |





#95

Naphthalene

Concen: 20.647 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY019303.D

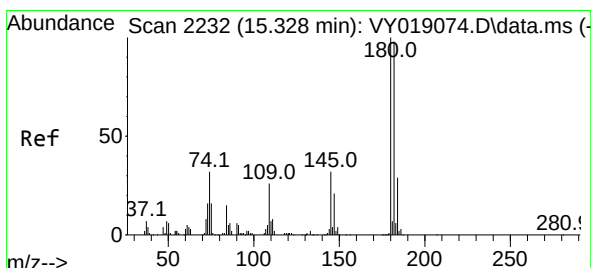
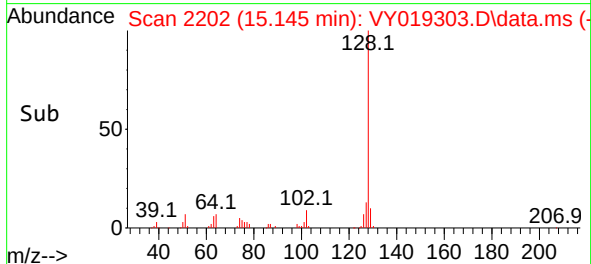
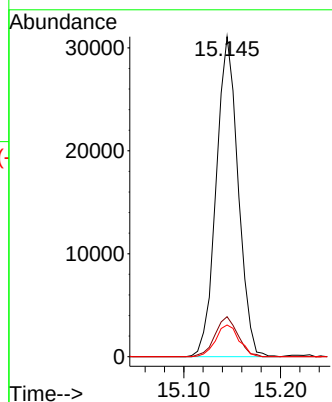
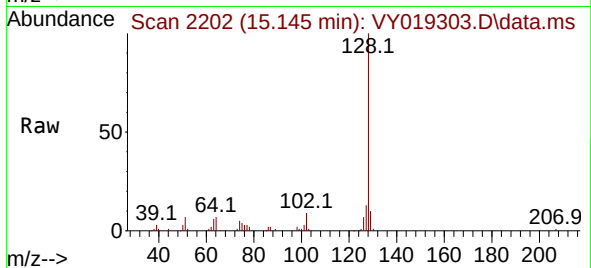
Acq: 28 Aug 2024 00:31

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:128 | Resp: | 48861       |
| Ion         | Ratio | Lower Upper |
| 128         | 100   |             |
| 127         | 13.0  | 10.6 16.0   |
| 129         | 10.6  | 8.6 13.0    |



#96

1,2,3-Trichlorobenzene

Concen: 20.481 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY019303.D

Acq: 28 Aug 2024 00:31

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 22905       |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 97.4  | 47.6 142.9  |
| 145         | 30.9  | 15.4 46.1   |

