

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121924\  
 Data File : VY020647.D  
 Acq On : 19 Dec 2024 11:53  
 Operator : SY/MD  
 Sample : VY1219SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 20 00:47:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.707  | 168   | 184895   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.615  | 114   | 283194   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.420 | 117   | 247561   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.352 | 152   | 139236   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.061  | 65    | 110359   | 54.498   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 109.000% |          |
| 35) Dibromofluoromethane     | 7.640  | 113   | 110812   | 55.520   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 111.040% |          |
| 50) Toluene-d8               | 10.109 | 98    | 388095   | 55.554   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | = 111.100% |          |
| 62) 4-Bromofluorobenzene     | 12.407 | 95    | 146340   | 53.552   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 29 - 146 | Recovery | = 107.100% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.867  | 85    | 46604    | 20.180   | ug/l       | 99       |
| 3) Chloromethane             | 2.074  | 50    | 32178    | 18.805   | ug/l       | 99       |
| 4) Vinyl Chloride            | 2.208  | 62    | 29453    | 18.493   | ug/l       | 98       |
| 5) Bromomethane              | 2.598  | 94    | 15687    | 15.323   | ug/l       | 93       |
| 6) Chloroethane              | 2.738  | 64    | 14290    | 14.520   | ug/l       | 96       |
| 7) Trichlorofluoromethane    | 3.061  | 101   | 57129    | 17.143   | ug/l       | 97       |
| 8) Diethyl Ether             | 3.458  | 74    | 18049    | 15.443   | ug/l       | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 3.824  | 101   | 38154    | 15.973   | ug/l       | 97       |
| 10) Methyl Iodide            | 4.013  | 142   | 45573    | 17.136   | ug/l       | 99       |
| 11) Tert butyl alcohol       | 4.872  | 59    | 20125    | 70.688   | ug/l       | 99       |
| 12) 1,1-Dichloroethene       | 3.793  | 96    | 35580    | 15.351   | ug/l       | 93       |
| 13) Acrolein                 | 3.659  | 56    | 8452     | 88.270   | ug/l       | 97       |
| 14) Allyl chloride           | 4.390  | 41    | 68670    | 16.909   | ug/l       | 98       |
| 15) Acrylonitrile            | 5.067  | 53    | 54120    | 96.793   | ug/l       | 97       |
| 16) Acetone                  | 3.878  | 43    | 28434    | 65.941   | ug/l       | 100      |
| 17) Carbon Disulfide         | 4.110  | 76    | 121614   | 16.120   | ug/l       | 99       |
| 18) Methyl Acetate           | 4.390  | 43    | 25492    | 18.503   | ug/l       | 96       |
| 19) Methyl tert-butyl Ether  | 5.122  | 73    | 121819   | 20.364   | ug/l       | 100      |
| 20) Methylene Chloride       | 4.622  | 84    | 48520    | 19.271   | ug/l       | 95       |
| 21) trans-1,2-Dichloroethene | 5.122  | 96    | 50361    | 19.371   | ug/l       | 93       |
| 22) Diisopropyl ether        | 6.024  | 45    | 156745   | 19.014   | ug/l       | 96       |
| 23) Vinyl Acetate            | 5.963  | 43    | 447758   | 95.902   | ug/l       | 98       |
| 24) 1,1-Dichloroethane       | 5.921  | 63    | 94173    | 19.500   | ug/l       | 98       |
| 25) 2-Butanone               | 6.896  | 43    | 74559    | 99.075   | ug/l       | 99       |
| 26) 2,2-Dichloropropane      | 6.890  | 77    | 84303    | 18.466   | ug/l       | 99       |
| 27) cis-1,2-Dichloroethene   | 6.896  | 96    | 63846    | 21.345   | ug/l       | 97       |
| 28) Bromochloromethane       | 7.250  | 49    | 27683    | 16.994   | ug/l       | 96       |
| 29) Tetrahydrofuran          | 7.268  | 42    | 50035    | 105.321  | ug/l       | 99       |
| 30) Chloroform               | 7.427  | 83    | 107747   | 18.928   | ug/l       | 98       |
| 31) Cyclohexane              | 7.701  | 56    | 90313    | 19.558   | ug/l       | 97       |
| 32) 1,1,1-Trichloroethane    | 7.622  | 97    | 94090    | 21.207   | ug/l       | 99       |
| 36) 1,1-Dichloropropene      | 7.835  | 75    | 75411    | 20.721   | ug/l       | 99       |
| 37) Ethyl Acetate            | 6.988  | 43    | 37099    | 21.671   | ug/l       | 99       |
| 38) Carbon Tetrachloride     | 7.817  | 117   | 85038    | 21.119   | ug/l       | 93       |
| 39) Methylcyclohexane        | 9.109  | 83    | 95987    | 20.236   | ug/l       | 100      |
| 40) Benzene                  | 8.085  | 78    | 227976   | 21.371   | ug/l       | 100      |

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 Sample : VY1219SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 20 00:47:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.225  | 41   | 15207    | 16.803  | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 61160    | 21.617  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 69490    | 21.441  | ug/l   | 99       |
| 44) Trichloroethene           | 8.865  | 130  | 56052    | 21.384  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 54493    | 21.857  | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 29599    | 22.464  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.426  | 83   | 76212    | 21.413  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 32186    | 20.890  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.237  | 88   | 6938     | 459.147 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 181234   | 105.942 | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 142231   | 21.454  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 71410    | 21.532  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 84026    | 21.381  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 38316    | 21.995  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.444 | 69   | 54998    | 21.762  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 69158    | 22.270  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 113969   | 107.175 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.761 | 43   | 115614   | 105.263 | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.914 | 129  | 51946    | 22.297  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.017 | 107  | 36878    | 22.758  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.645 | 164  | 49209    | 21.133  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.444 | 112  | 151005   | 21.815  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 51570    | 21.787  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.517 | 91   | 270705   | 21.198  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 203604   | 42.880  | ug/l   | 99       |
| 69) o-Xylene                  | 11.956 | 106  | 95914    | 21.650  | ug/l   | 100      |
| 70) Styrene                   | 11.968 | 104  | 160252   | 21.650  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 29878    | 22.451  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 256085   | 21.076  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 60196    | 21.169  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83   | 45346    | 22.992  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 58340    | 40.335  | ug/l # | 100      |
| 77) Bromobenzene              | 12.535 | 156  | 56425    | 21.319  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.596 | 91   | 307113   | 20.979  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 176449   | 21.424  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 209105   | 21.209  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 15550    | 22.567  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 179017   | 20.951  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 185911   | 20.822  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.047 | 105  | 207246   | 21.430  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.176 | 105  | 271663   | 20.926  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.291 | 119  | 225018   | 21.022  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.291 | 146  | 111668   | 21.373  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 111847   | 21.614  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 208511   | 20.555  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.883 | 117  | 44930    | 21.182  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.663 | 146  | 98502    | 21.760  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 7038     | 21.979  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 14.925 | 180  | 55848    | 20.396  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 36777    | 20.546  | ug/l   | 99       |
| 95) Naphthalene               | 15.151 | 128  | 100318   | 21.370  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 48835    | 21.109  | ug/l   | 99       |

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Operator : SY/MD  
Sample : VY1219SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

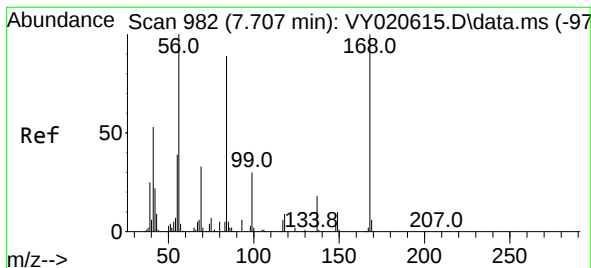
Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Dec 20 00:47:00 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 18 05:27:13 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: 7.707 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

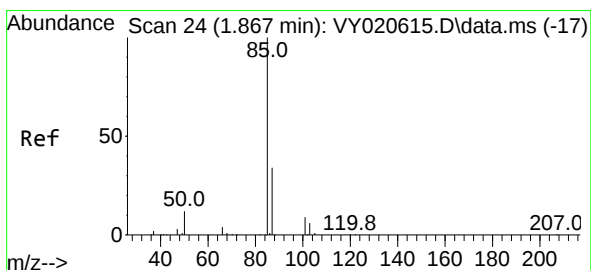
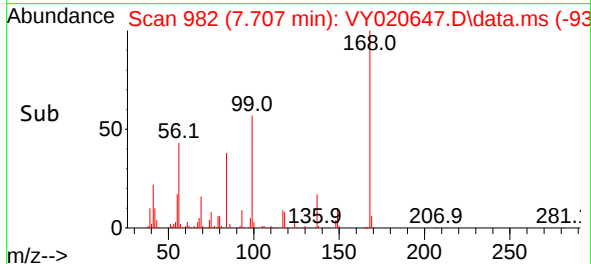
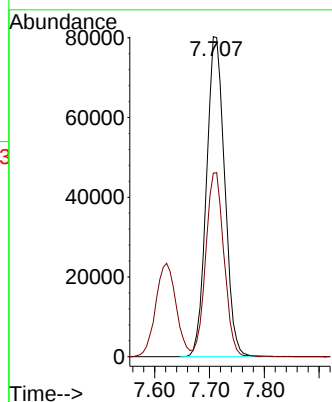
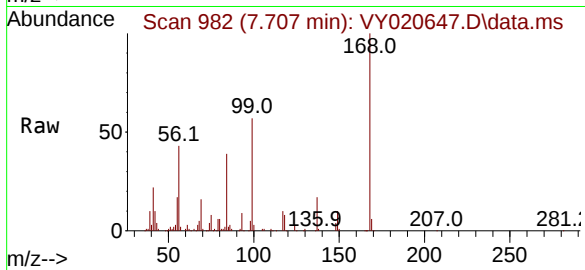
ClientSampleId :

Tgt Ion:168 Resp: 184895

Ion Ratio Lower Upper

168 100

99 57.3 47.0 70.6



#2

Dichlorodifluoromethane

Concen: 20.180 ug/l

RT: 1.867 min Scan# 24

Delta R.T. -0.000 min

Lab File: VY020647.D

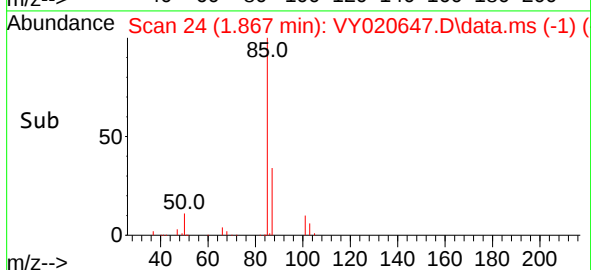
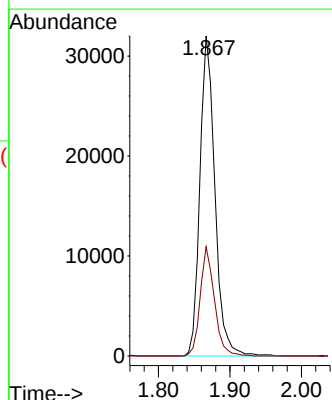
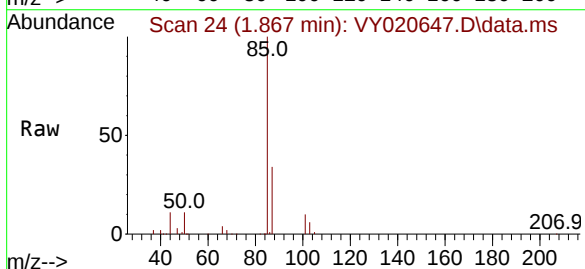
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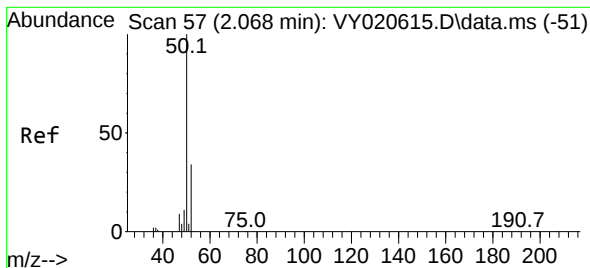
Tgt Ion: 85 Resp: 46604

Ion Ratio Lower Upper

85 100

87 34.1 16.8 50.3





#3

Chloromethane

Concen: 18.805 ug/l

RT: 2.074 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

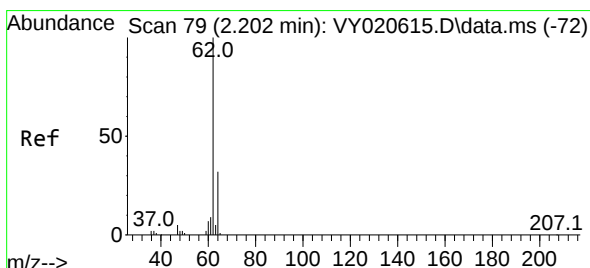
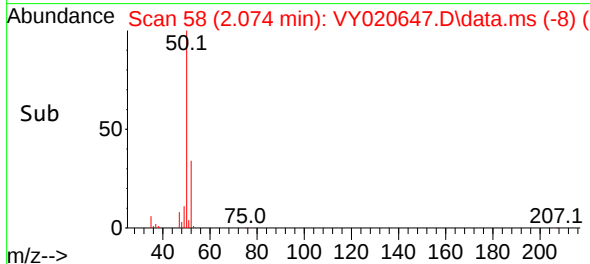
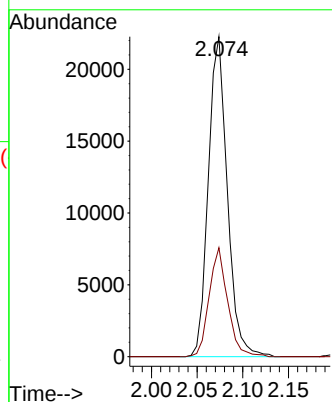
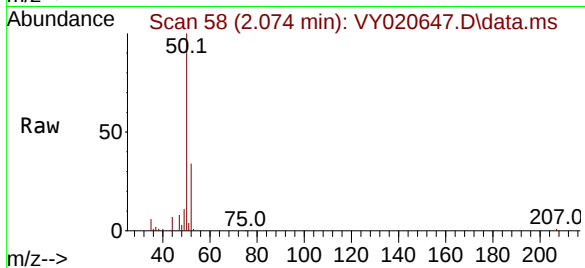
ClientSampleId :

Tgt Ion: 50 Resp: 32178

Ion Ratio Lower Upper

50 100

52 34.0 26.8 40.2



#4

Vinyl Chloride

Concen: 18.493 ug/l

RT: 2.208 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY020647.D

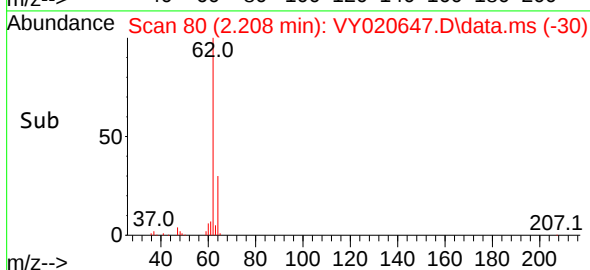
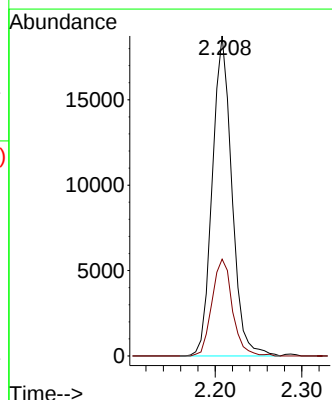
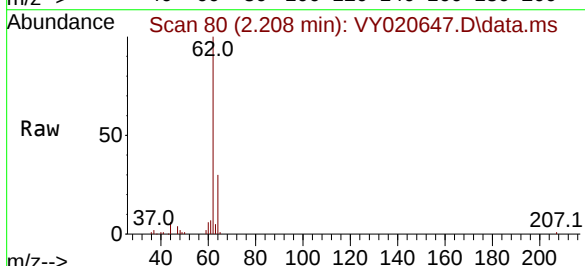
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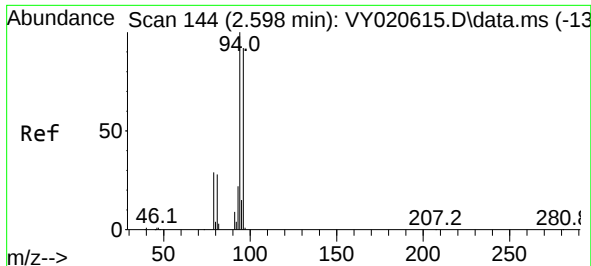
Tgt Ion: 62 Resp: 29453

Ion Ratio Lower Upper

62 100

64 30.2 25.3 37.9

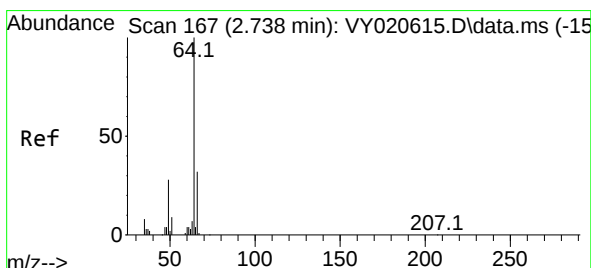
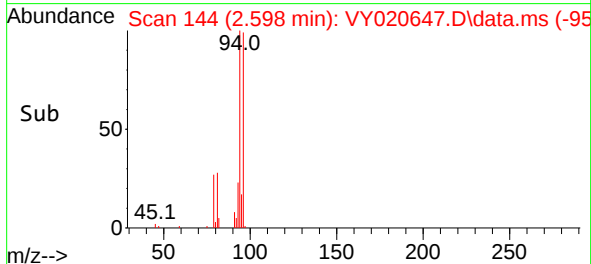
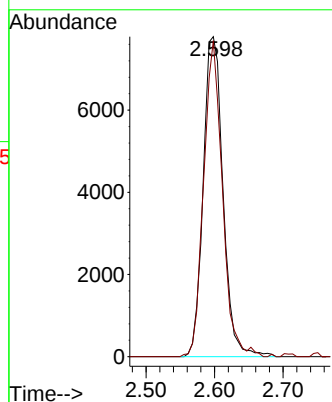
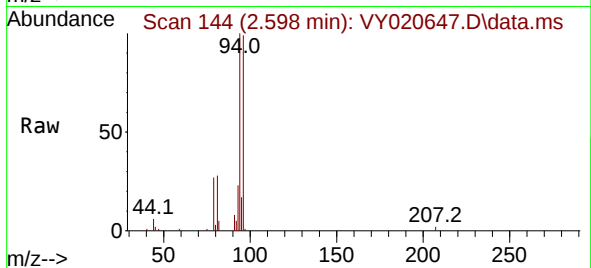




#5  
Bromomethane  
Concen: 15.323 ug/l  
RT: 2.598 min Scan# 144  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

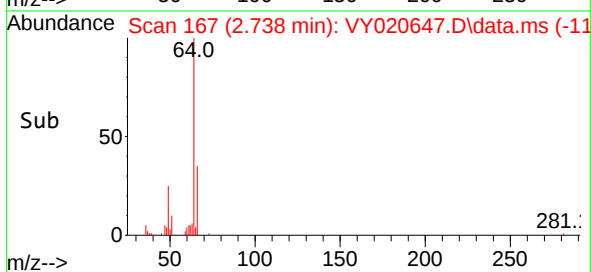
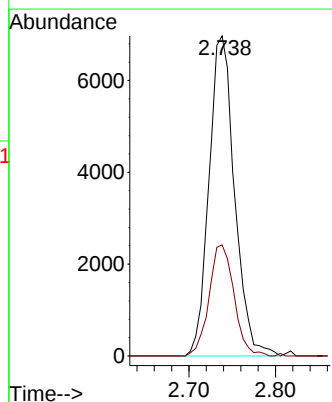
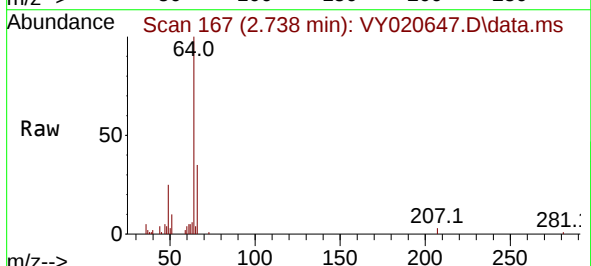
Instrument :  
MSVOA\_Y  
ClientSampleId :

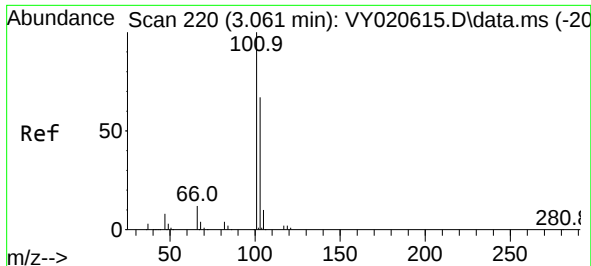
Tgt Ion: 94 Resp: 15687  
Ion Ratio Lower Upper  
94 100  
96 98.7 73.8 110.6



#6  
Chloroethane  
Concen: 14.520 ug/l  
RT: 2.738 min Scan# 167  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 64 Resp: 14290  
Ion Ratio Lower Upper  
64 100  
66 34.7 25.8 38.6

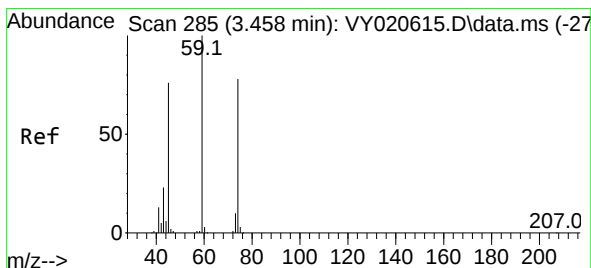
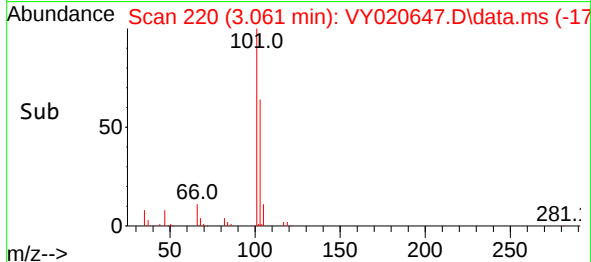
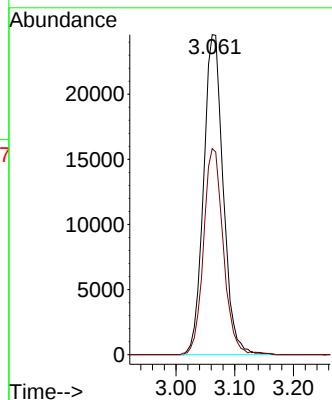
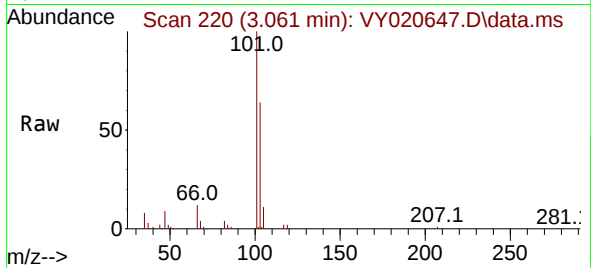




#7  
 Trichlorofluoromethane  
 Concen: 17.143 ug/l  
 RT: 3.061 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VY020647.D  
 Acq: 19 Dec 2024 11:53

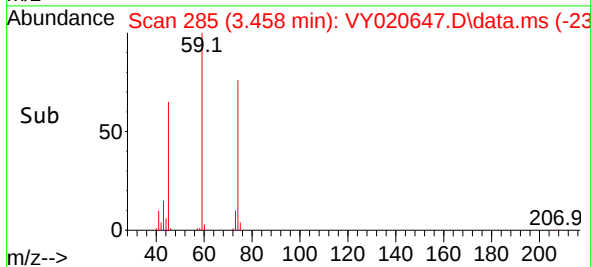
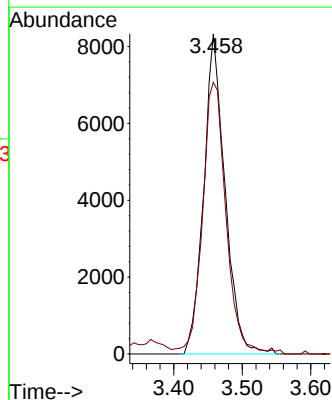
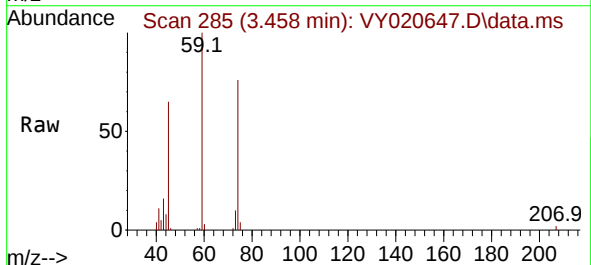
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

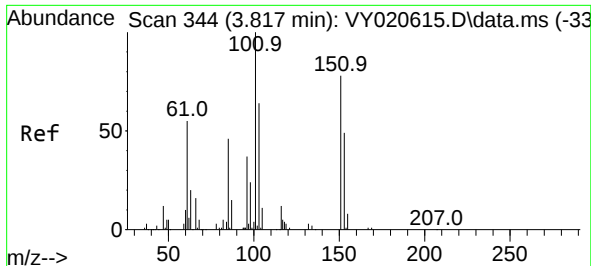
Tgt Ion:101 Resp: 57129  
 Ion Ratio Lower Upper  
 101 100  
 103 64.4 53.4 80.0



#8  
 Diethyl Ether  
 Concen: 15.443 ug/l  
 RT: 3.458 min Scan# 285  
 Delta R.T. -0.000 min  
 Lab File: VY020647.D  
 Acq: 19 Dec 2024 11:53

Tgt Ion: 74 Resp: 18049  
 Ion Ratio Lower Upper  
 74 100  
 45 90.6 49.0 147.2

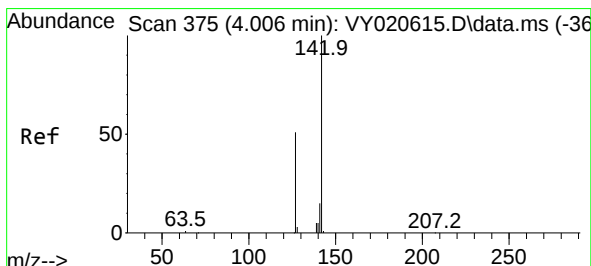
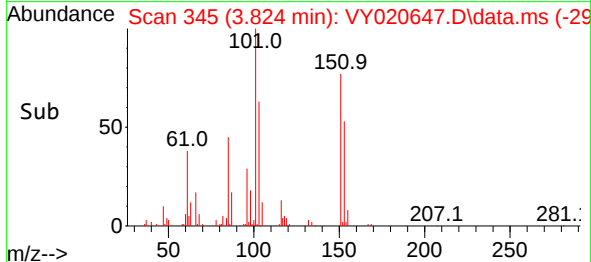
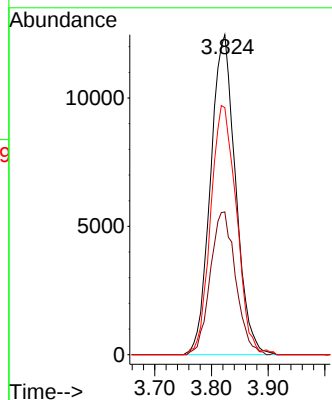
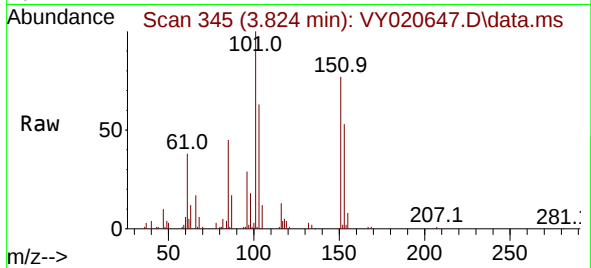




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 15.973 ug/l  
RT: 3.824 min Scan# 344  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

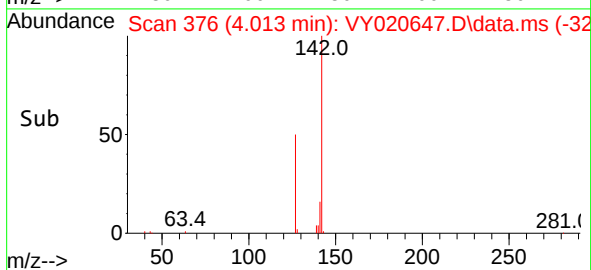
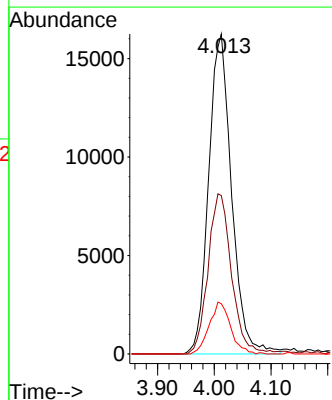
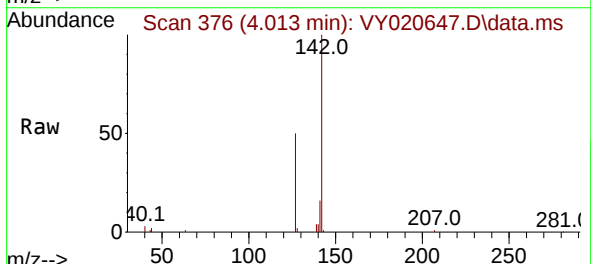
Instrument :  
MSVOA\_Y  
ClientSampleId :

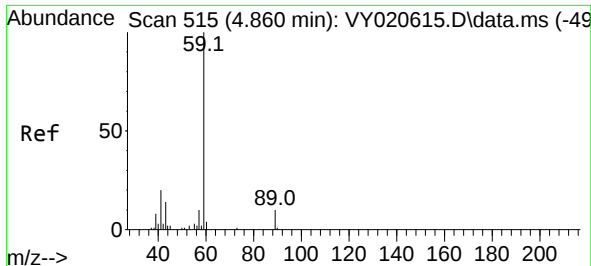
Tgt Ion:101 Resp: 38154  
Ion Ratio Lower Upper  
101 100  
85 45.3 36.6 54.8  
151 80.3 61.5 92.3



#10  
Methyl Iodide  
Concen: 17.136 ug/l  
RT: 4.013 min Scan# 376  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion:142 Resp: 45573  
Ion Ratio Lower Upper  
142 100  
127 51.2 40.6 61.0  
141 15.1 11.7 17.5

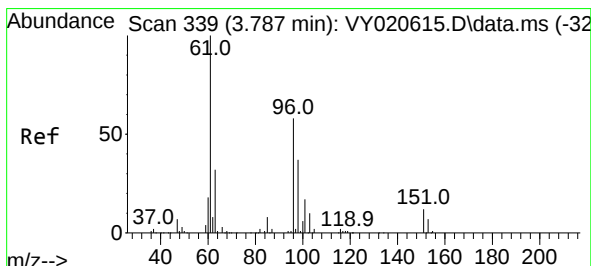
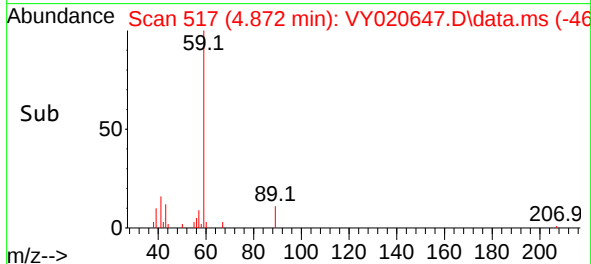
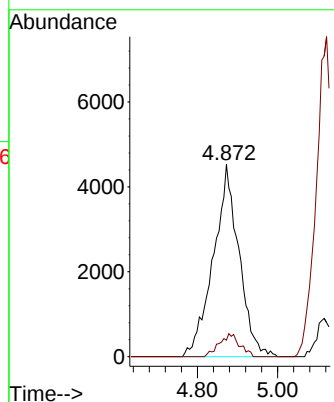
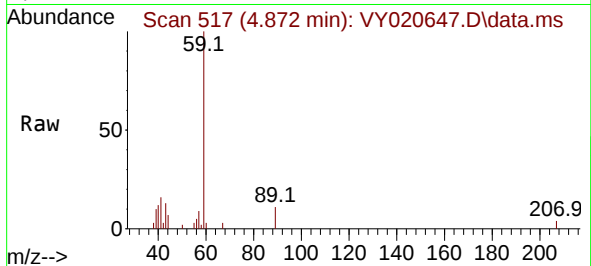




#11  
Tert butyl alcohol  
Concen: 70.688 ug/l  
RT: 4.872 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

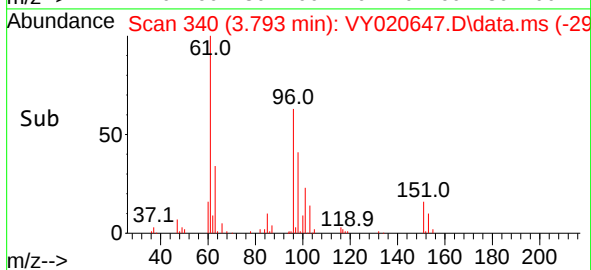
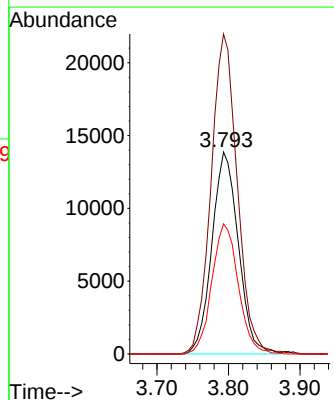
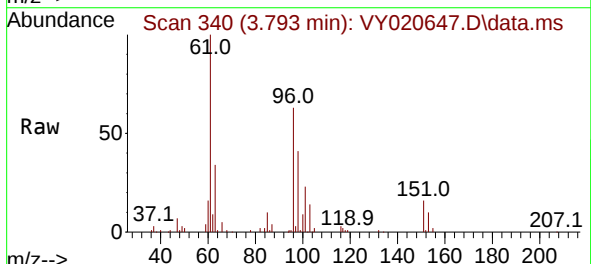
Instrument :  
MSVOA\_Y  
ClientSampleId :

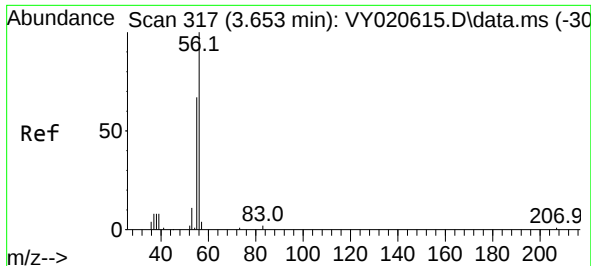
Tgt Ion: 59 Resp: 20125  
Ion Ratio Lower Upper  
59 100  
57 9.5 7.4 11.0



#12  
1,1-Dichloroethene  
Concen: 15.351 ug/l  
RT: 3.793 min Scan# 340  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 96 Resp: 35580  
Ion Ratio Lower Upper  
96 100  
61 158.5 136.9 205.3  
98 64.4 50.2 75.4





#13

Acrolein

Concen: 88.270 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

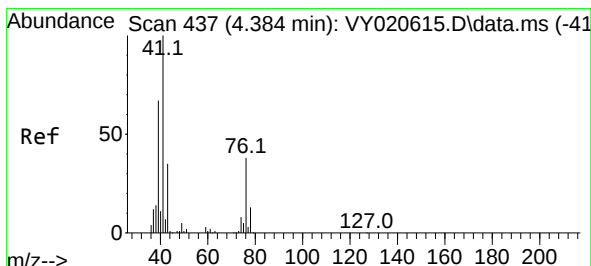
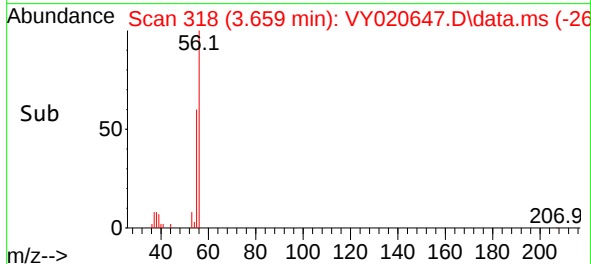
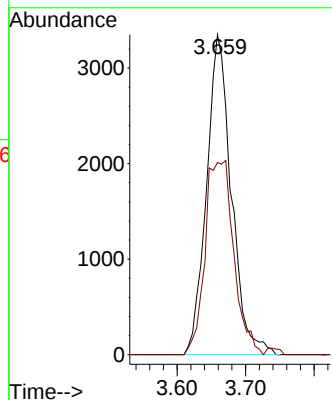
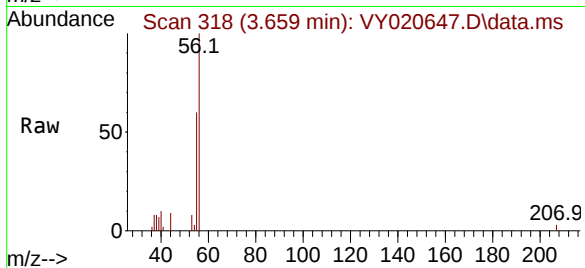
ClientSampleId :

Tgt Ion: 56 Resp: 8452

Ion Ratio Lower Upper

56 100

55 69.7 57.5 86.3



#14

Allyl chloride

Concen: 16.909 ug/l

RT: 4.390 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

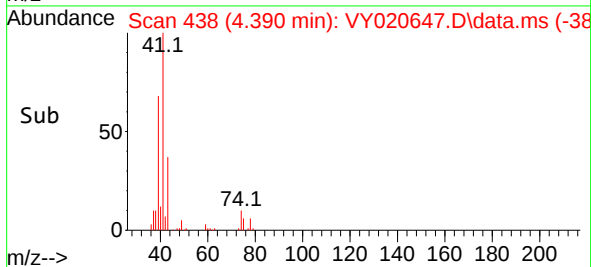
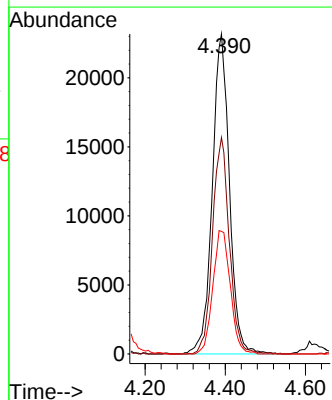
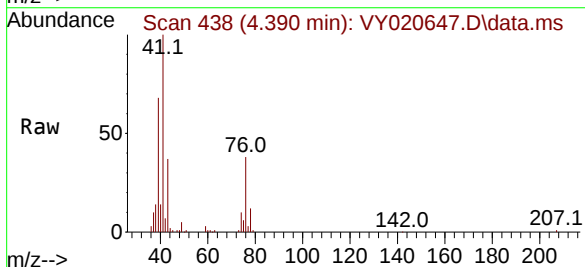
Tgt Ion: 41 Resp: 68670

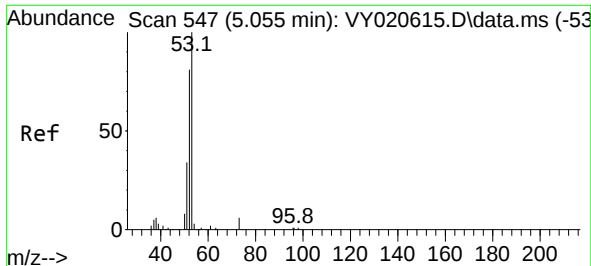
Ion Ratio Lower Upper

41 100

39 66.5 53.0 79.4

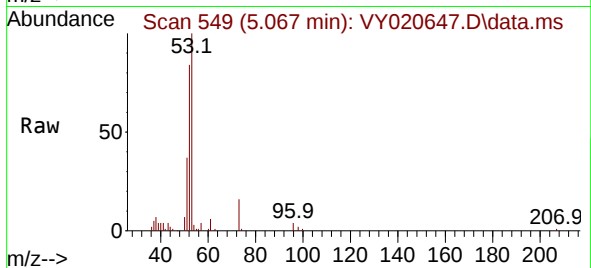
76 39.4 29.5 44.3



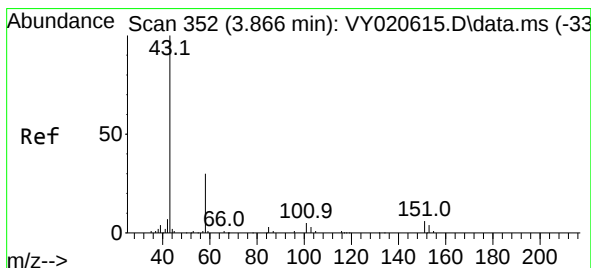
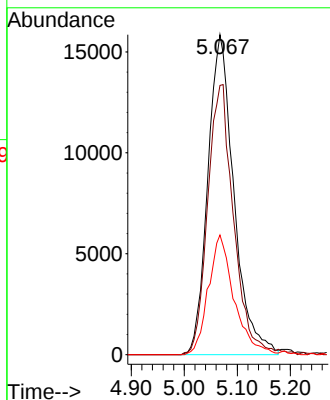
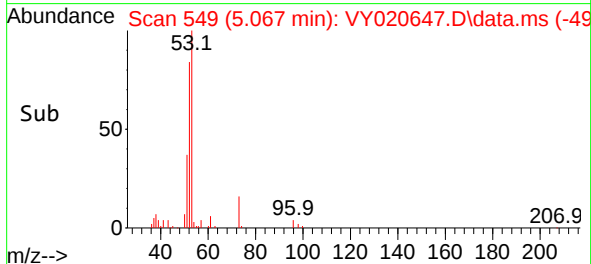


#15  
Acrylonitrile  
Concen: 96.793 ug/l  
RT: 5.067 min Scan# 54  
Delta R.T. 0.012 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

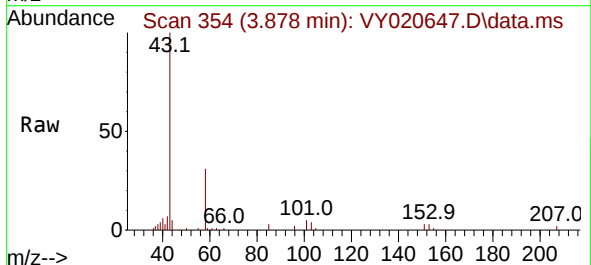
Instrument :  
MSVOA\_Y  
ClientSampleId :



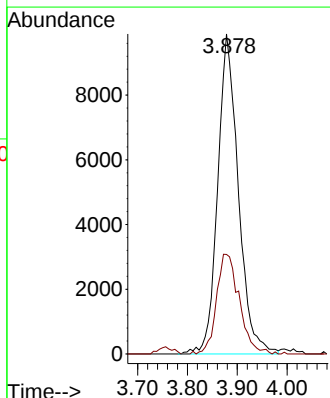
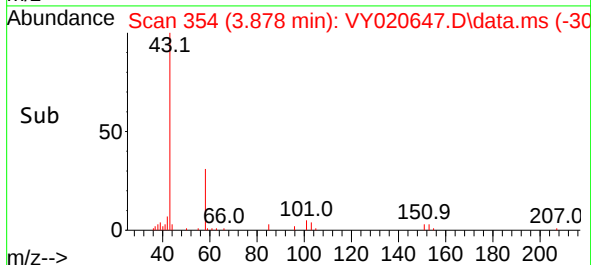
Tgt Ion: 53 Resp: 54120  
Ion Ratio Lower Upper  
53 100  
52 84.1 64.5 96.7  
51 36.9 29.4 44.0

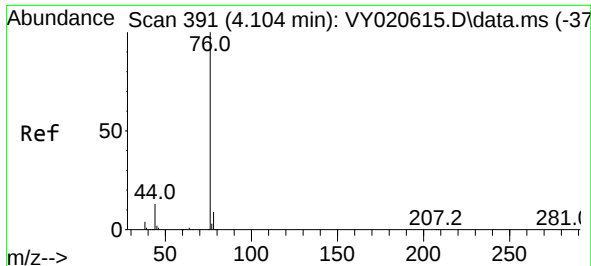


#16  
Acetone  
Concen: 65.941 ug/l  
RT: 3.878 min Scan# 354  
Delta R.T. 0.012 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53



Tgt Ion: 43 Resp: 28434  
Ion Ratio Lower Upper  
43 100  
58 31.1 25.0 37.6

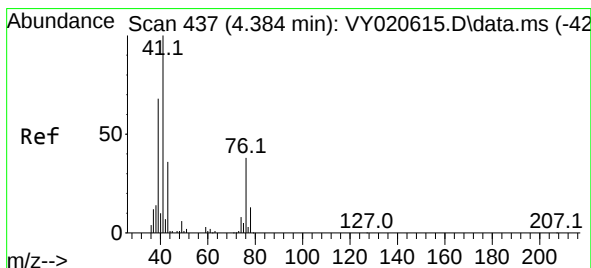
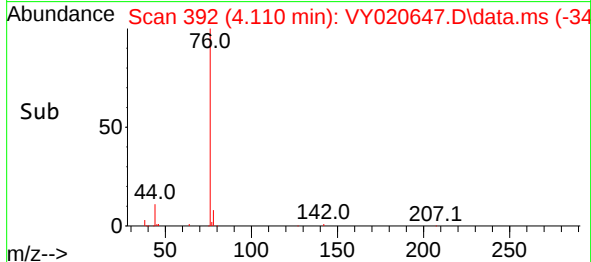
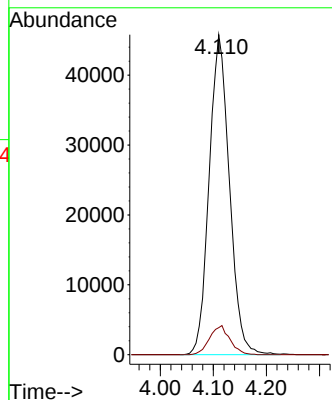
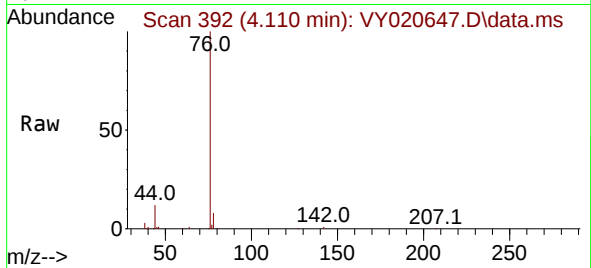




#17  
Carbon Disulfide  
Concen: 16.120 ug/l  
RT: 4.110 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

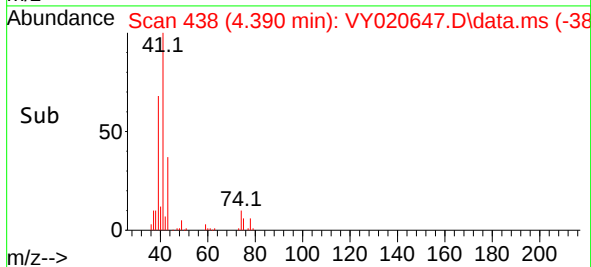
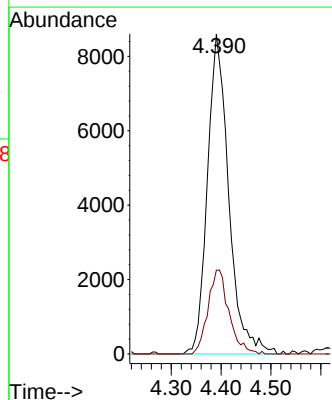
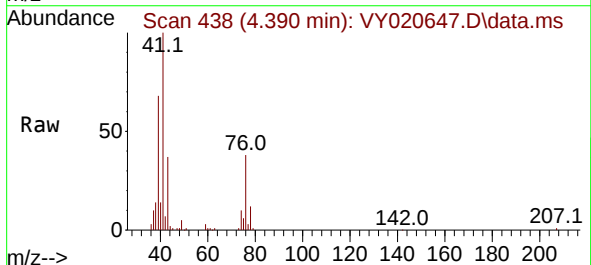
Instrument :  
MSVOA\_Y  
ClientSampleId :

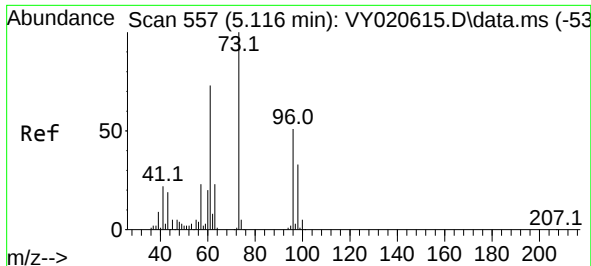
Tgt Ion: 76 Resp: 121614  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.2 10.8



#18  
Methyl Acetate  
Concen: 18.503 ug/l  
RT: 4.390 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 25492  
Ion Ratio Lower Upper  
43 100  
74 25.8 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 20.364 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

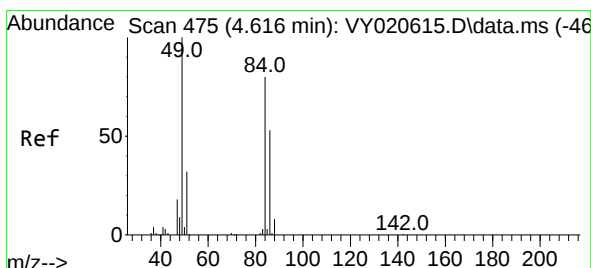
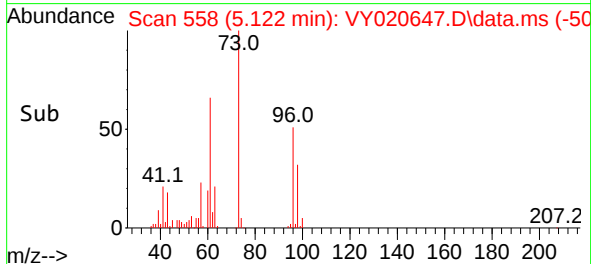
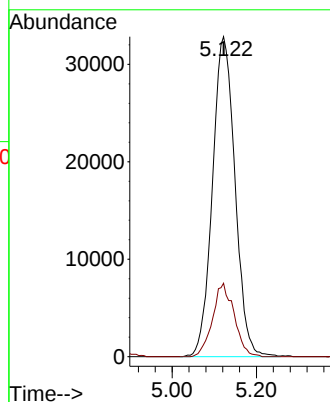
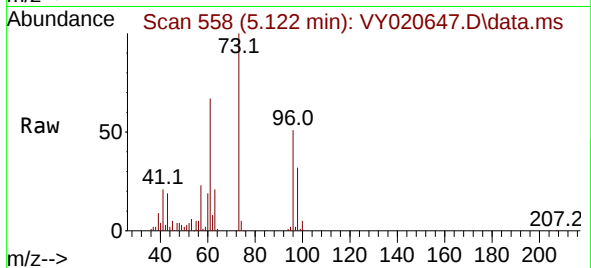
ClientSampleId :

Tgt Ion: 73 Resp: 121819

Ion Ratio Lower Upper

73 100

57 23.0 18.5 27.7



#20

Methylene Chloride

Concen: 19.271 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Tgt Ion: 84 Resp: 48520

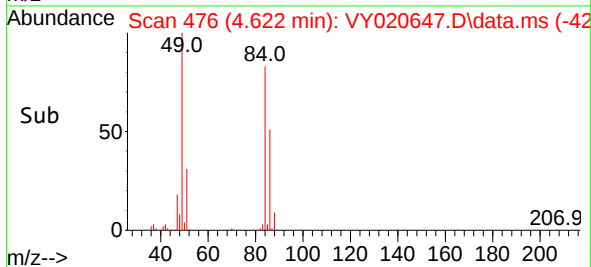
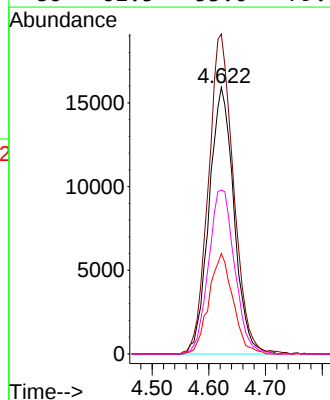
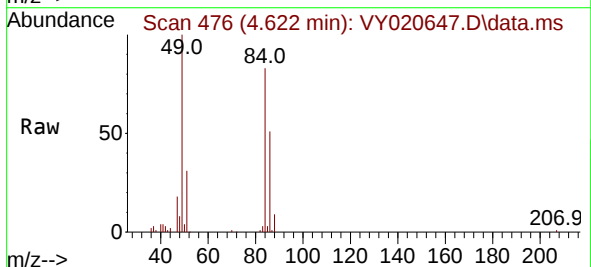
Ion Ratio Lower Upper

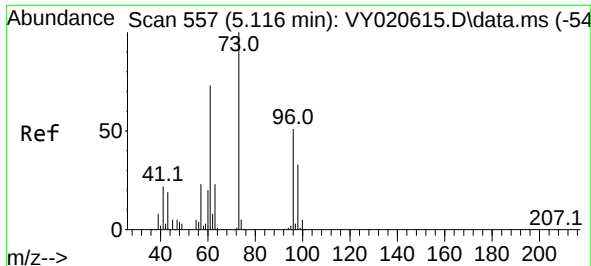
84 100

49 120.1 100.7 151.1

51 37.7 32.2 48.2

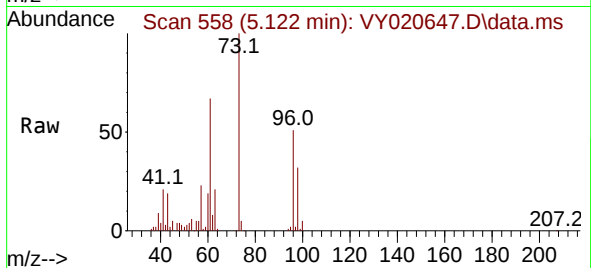
86 61.5 53.0 79.6



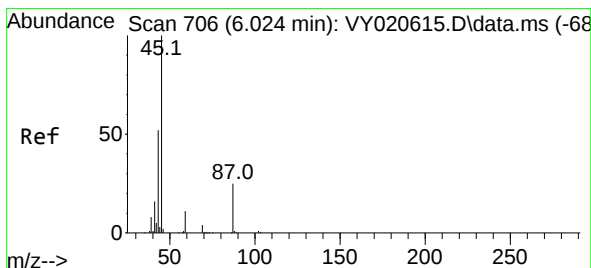
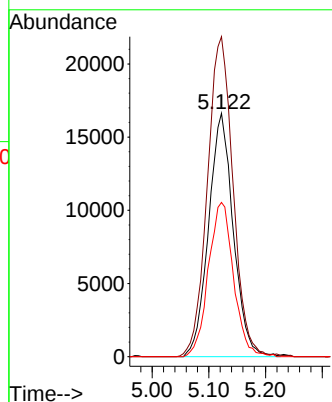
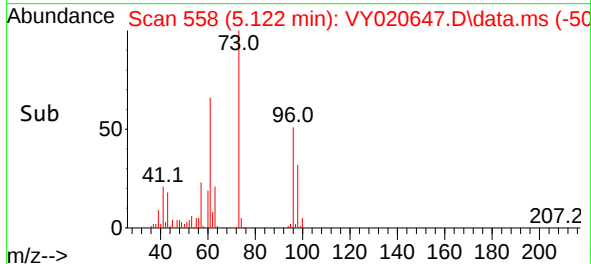


#21  
trans-1,2-Dichloroethene  
Concen: 19.371 ug/l  
RT: 5.122 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

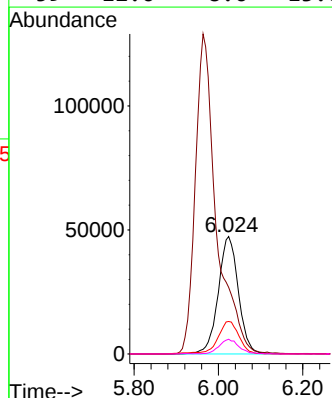
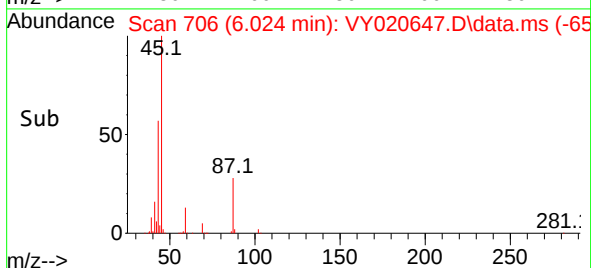
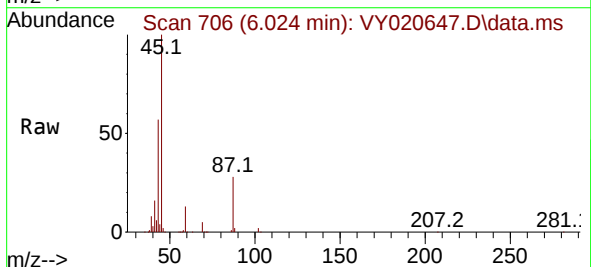


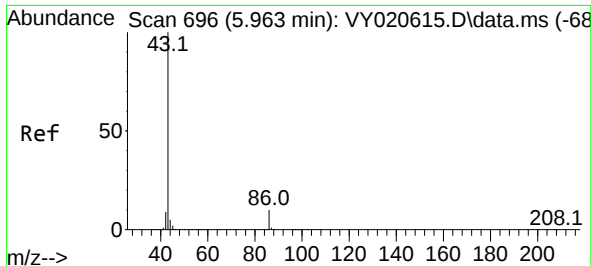
Tgt Ion: 96 Resp: 50361  
Ion Ratio Lower Upper  
96 100  
61 131.2 113.7 170.5  
98 63.4 51.7 77.5



#22  
Diisopropyl ether  
Concen: 19.014 ug/l  
RT: 6.024 min Scan# 706  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 45 Resp: 156745  
Ion Ratio Lower Upper  
45 100  
43 56.1 42.6 64.0  
87 27.7 20.6 31.0  
59 12.6 8.6 13.0

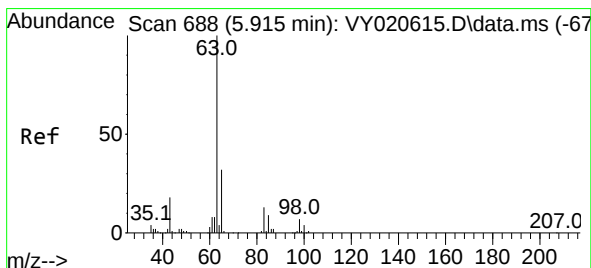
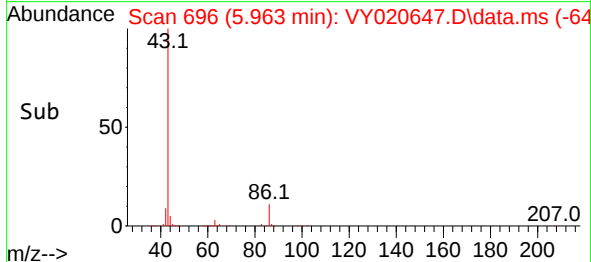
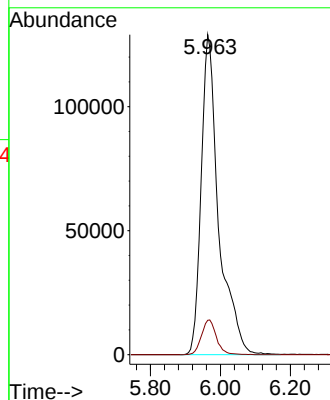
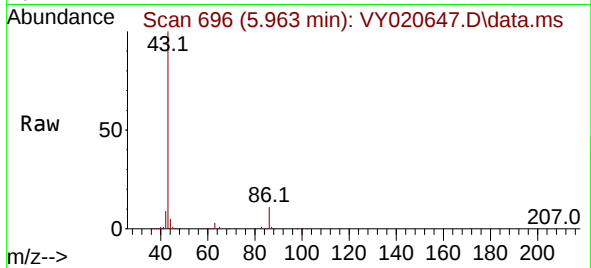




#23  
 Vinyl Acetate  
 Concen: 95.902 ug/l  
 RT: 5.963 min Scan# 696  
 Delta R.T. -0.000 min  
 Lab File: VY020647.D  
 Acq: 19 Dec 2024 11:53

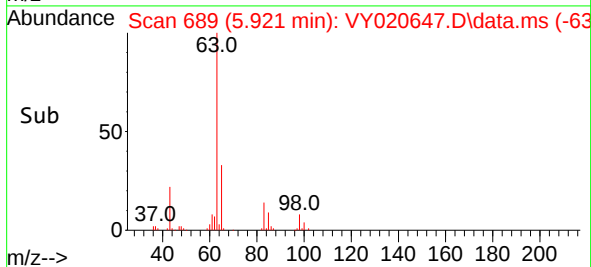
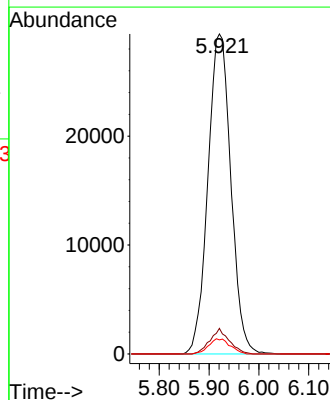
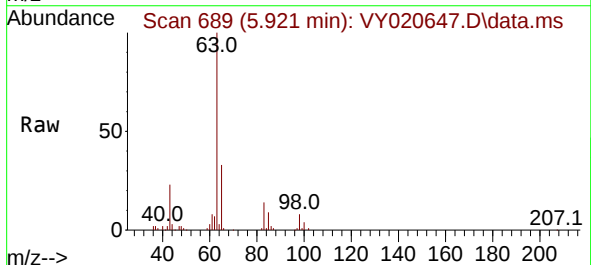
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

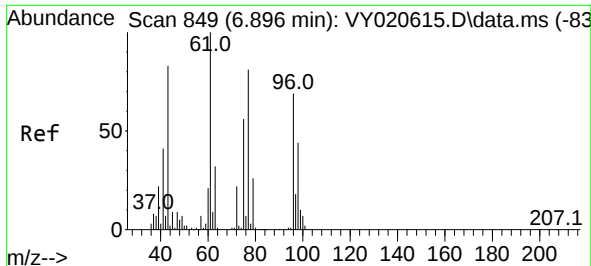
Tgt Ion: 43 Resp: 447758  
 Ion Ratio Lower Upper  
 43 100  
 86 10.8 8.1 12.1



#24  
 1,1-Dichloroethane  
 Concen: 19.500 ug/l  
 RT: 5.921 min Scan# 689  
 Delta R.T. 0.006 min  
 Lab File: VY020647.D  
 Acq: 19 Dec 2024 11:53

Tgt Ion: 63 Resp: 94173  
 Ion Ratio Lower Upper  
 63 100  
 98 8.0 3.4 10.1  
 100 4.4 2.1 6.5

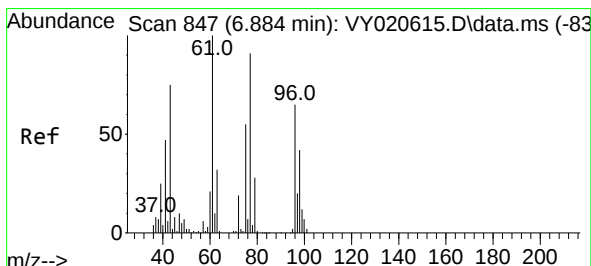
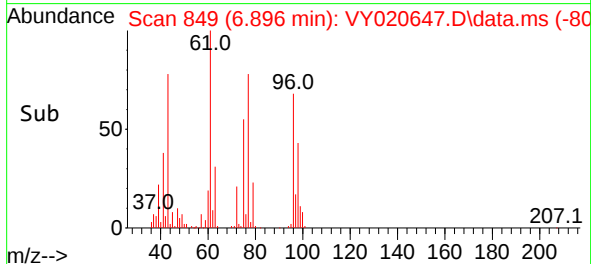
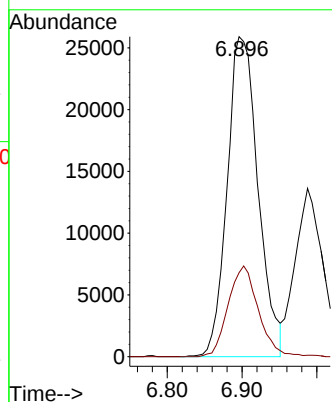
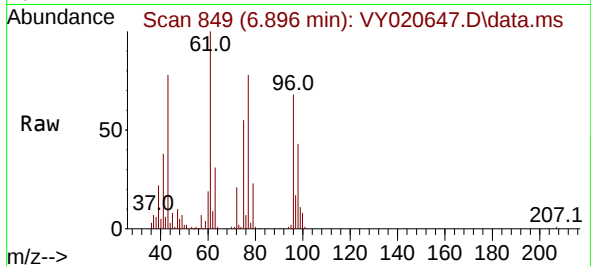




#25  
2-Butanone  
Concen: 99.075 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

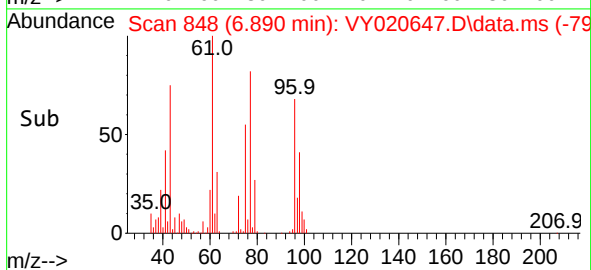
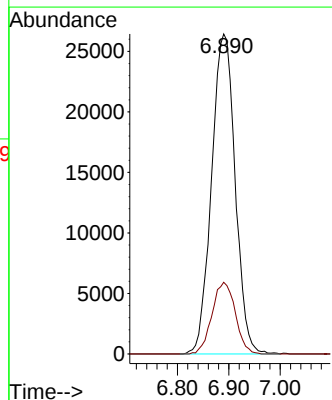
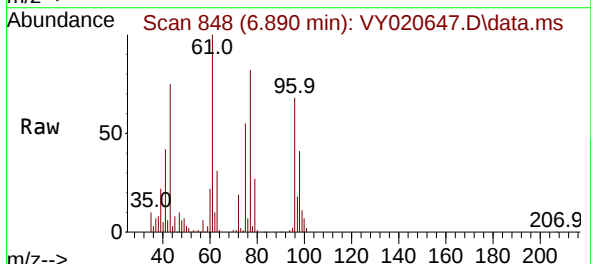
Instrument :  
MSVOA\_Y  
ClientSampleId :

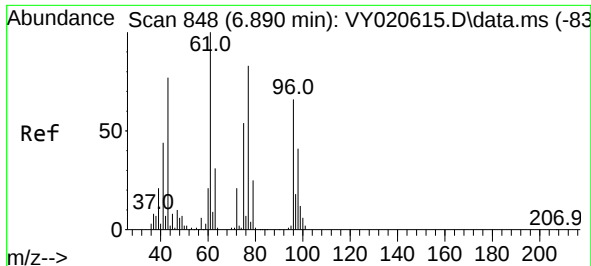
Tgt Ion: 43 Resp: 74559  
Ion Ratio Lower Upper  
43 100  
72 26.2 20.6 31.0



#26  
2,2-Dichloropropane  
Concen: 18.466 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 77 Resp: 84303  
Ion Ratio Lower Upper  
77 100  
97 22.1 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 21.345 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

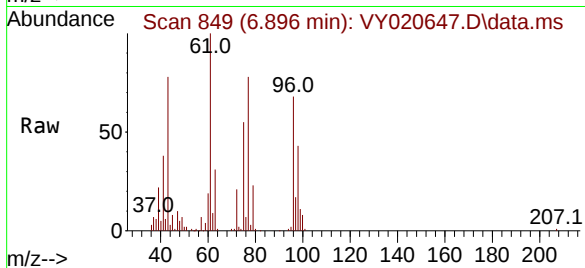
Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :



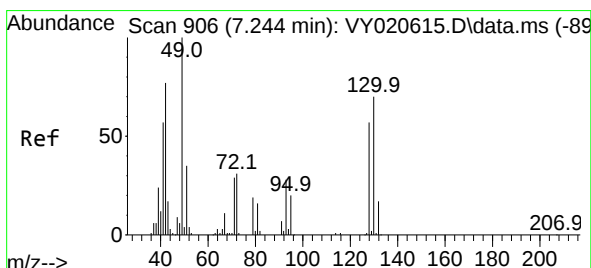
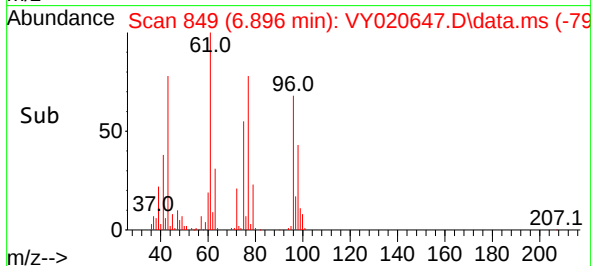
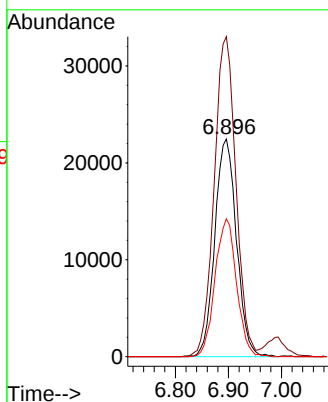
Tgt Ion: 96 Resp: 63846

Ion Ratio Lower Upper

96 100

61 147.5 0.0 306.2

98 62.8 0.0 127.2



#28

Bromochloromethane

Concen: 16.994 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

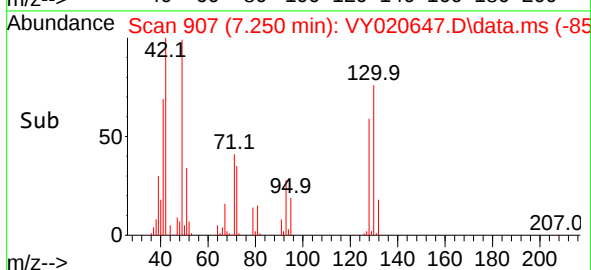
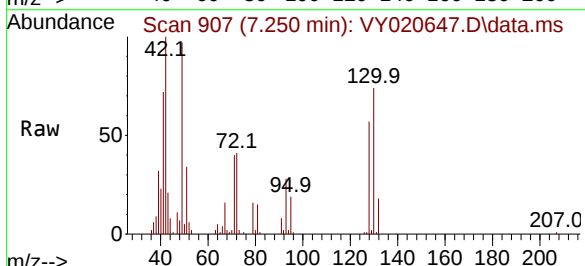
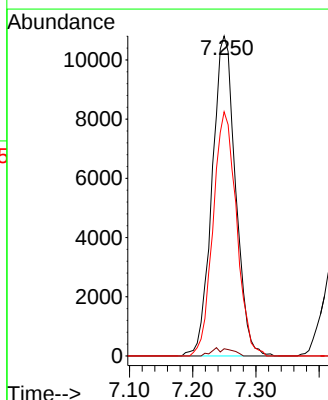
Tgt Ion: 49 Resp: 27683

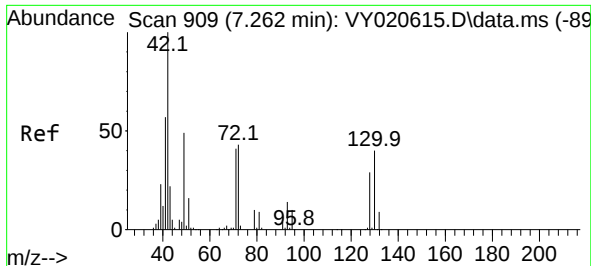
Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.8

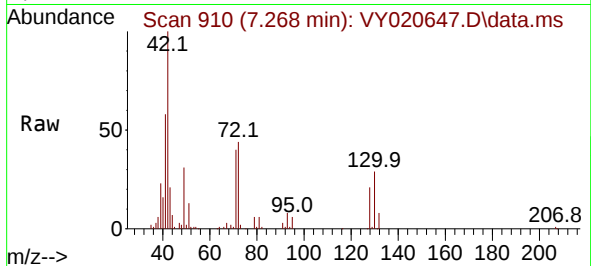
130 76.5 58.3 87.5



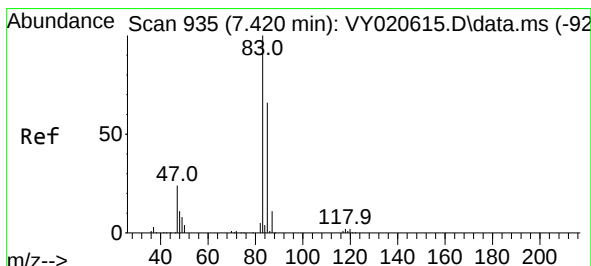
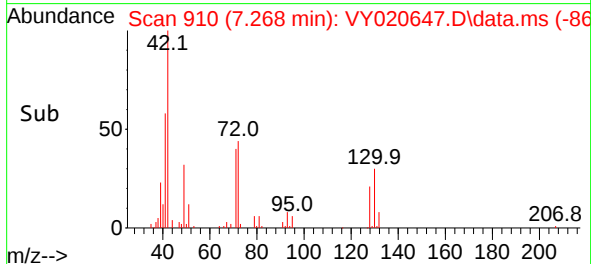
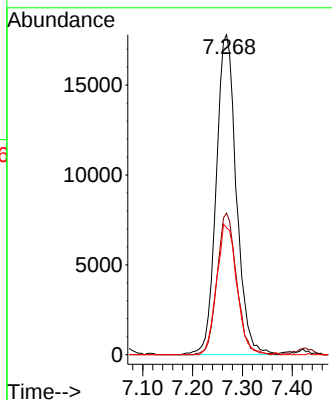


#29  
Tetrahydrofuran  
Concen: 105.321 ug/l  
RT: 7.268 min Scan# 910  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

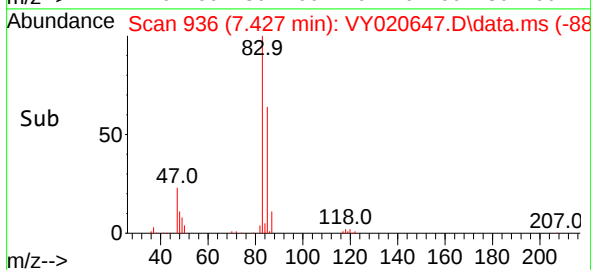
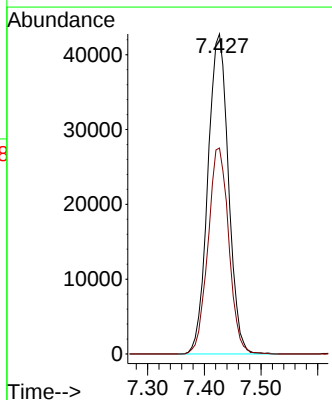
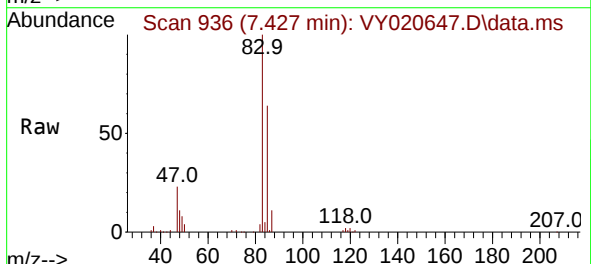


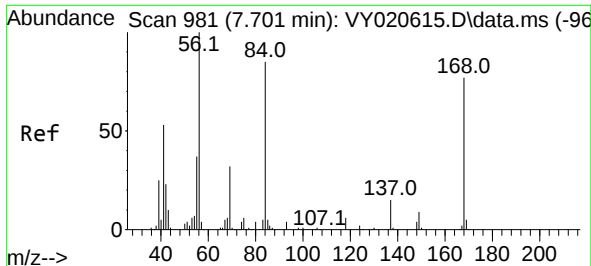
Tgt Ion: 42 Resp: 50035  
Ion Ratio Lower Upper  
42 100  
72 42.9 34.0 51.0  
71 40.9 31.6 47.4



#30  
Chloroform  
Concen: 18.928 ug/l  
RT: 7.427 min Scan# 936  
Delta R.T. 0.007 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

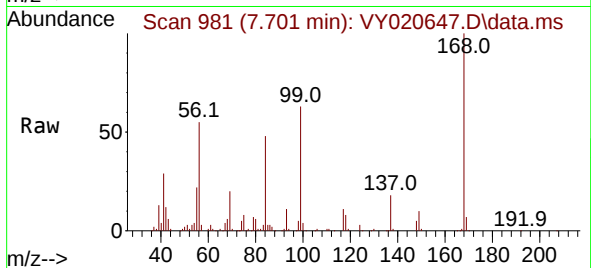
Tgt Ion: 83 Resp: 107747  
Ion Ratio Lower Upper  
83 100  
85 64.4 52.7 79.1



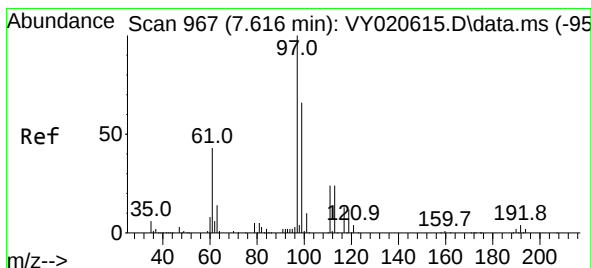
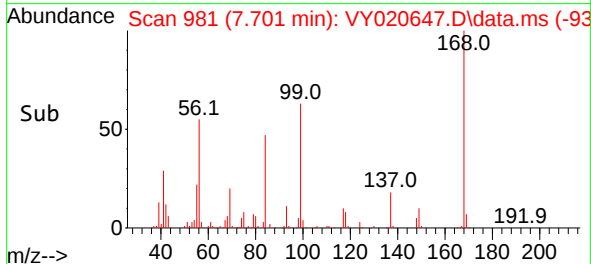
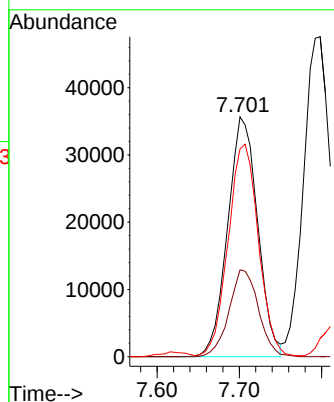


#31  
Cyclohexane  
Concen: 19.558 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

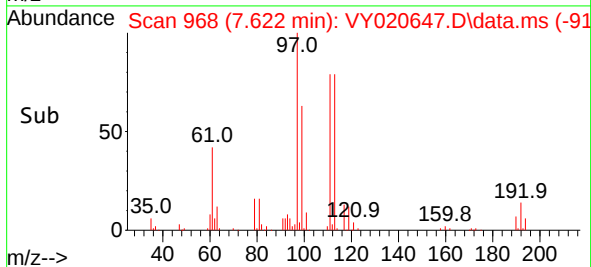
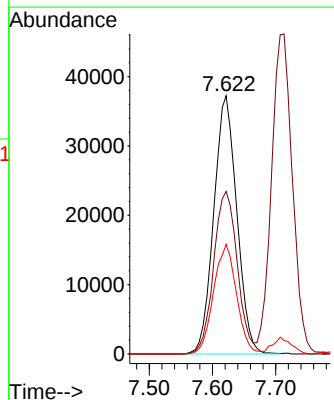
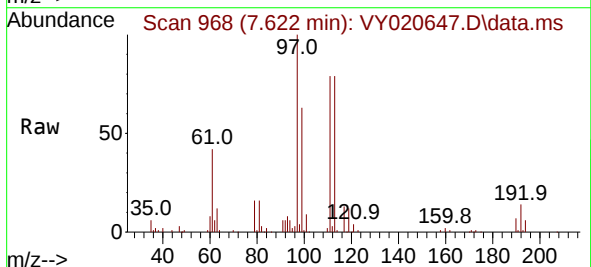


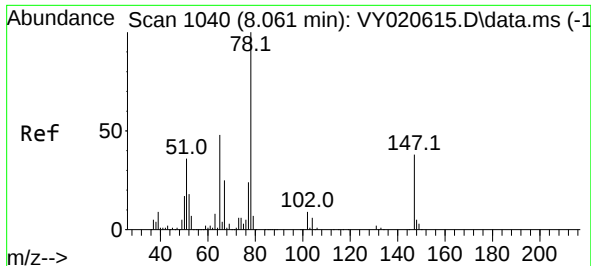
Tgt Ion: 56 Resp: 90313  
Ion Ratio Lower Upper  
56 100  
69 36.3 25.4 38.0  
84 85.1 68.3 102.5



#32  
1,1,1-Trichloroethane  
Concen: 21.207 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 97 Resp: 94090  
Ion Ratio Lower Upper  
97 100  
99 64.4 51.6 77.4  
61 42.3 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 54.498 ug/l

RT: 8.061 min Scan# 110359

Delta R.T. -0.000 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

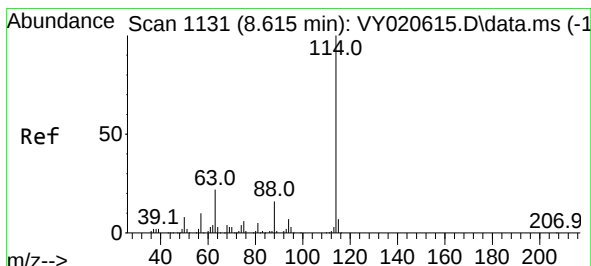
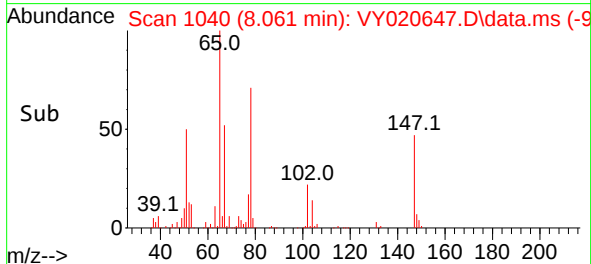
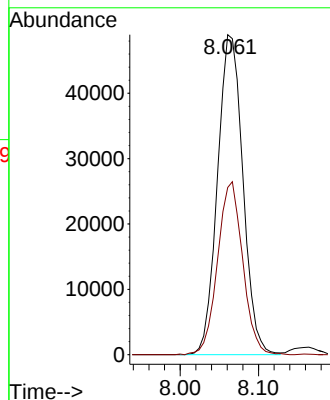
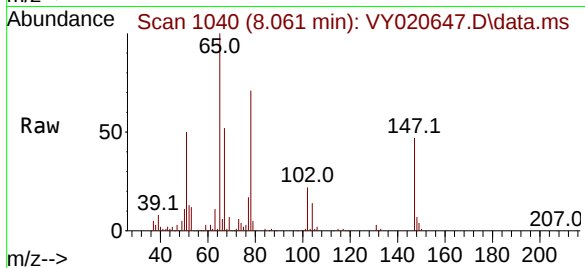
ClientSampleId :

Tgt Ion: 65 Resp: 110359

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

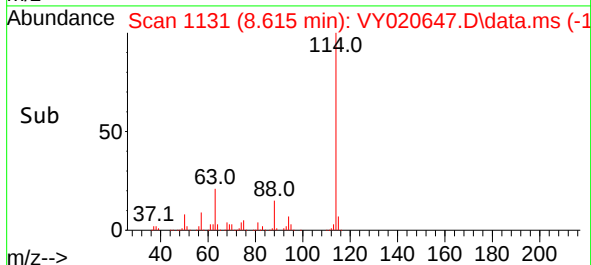
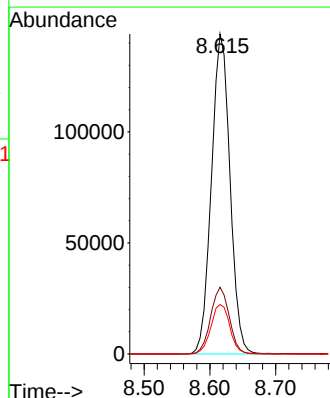
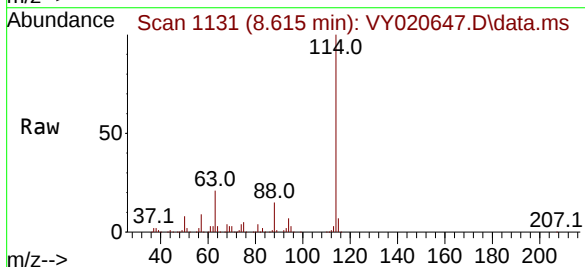
Tgt Ion: 114 Resp: 283194

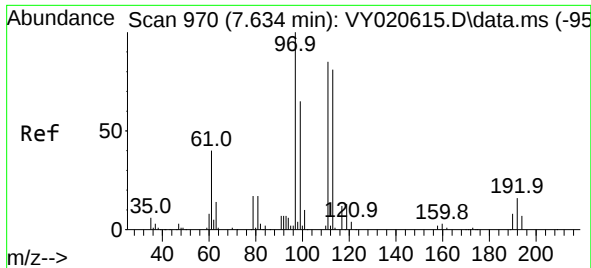
Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.0

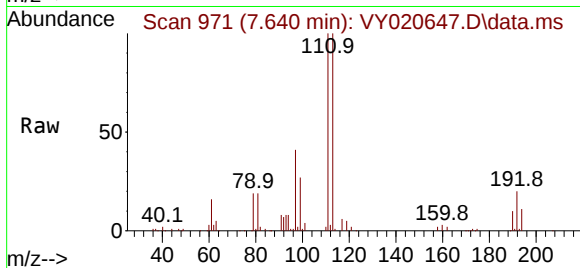
88 15.5 0.0 32.8



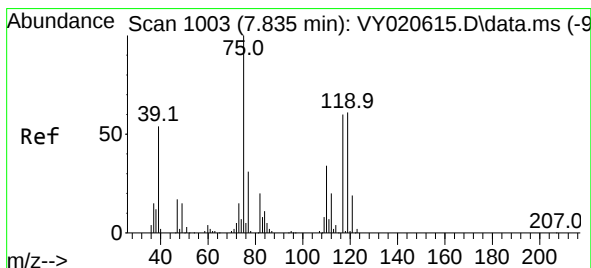
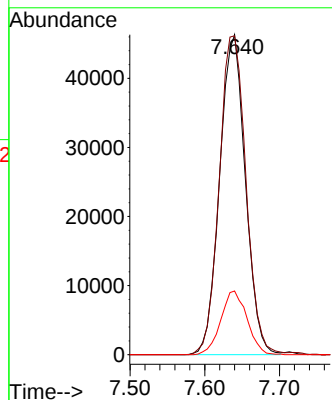
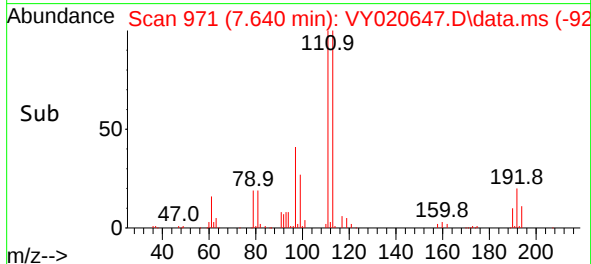


#35  
Dibromofluoromethane  
Concen: 55.520 ug/l  
RT: 7.640 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

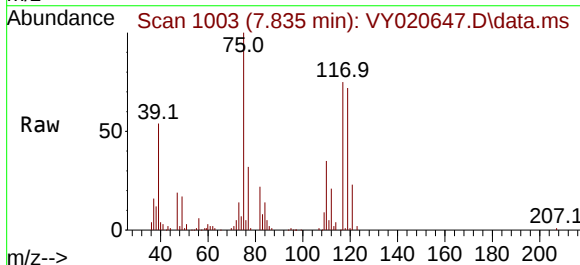
Instrument :  
MSVOA\_Y  
ClientSampleId :



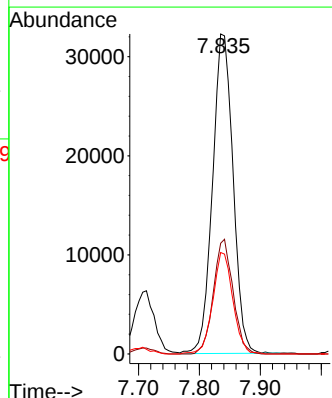
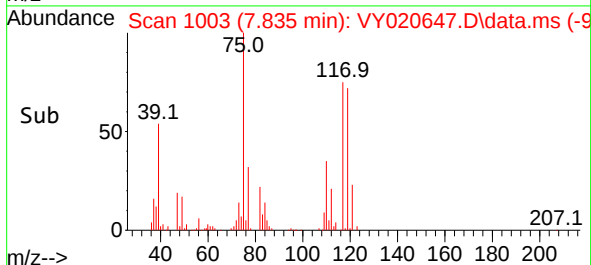
Tgt Ion:113 Resp: 110812  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.9 124.3  
192 20.3 15.7 23.5

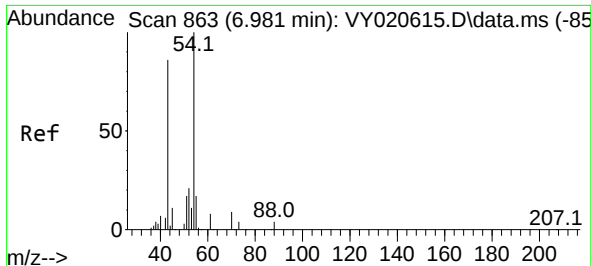


#36  
1,1-Dichloropropene  
Concen: 20.721 ug/l  
RT: 7.835 min Scan# 1003  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53



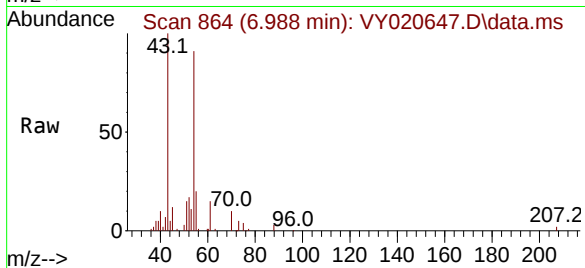
Tgt Ion: 75 Resp: 75411  
Ion Ratio Lower Upper  
75 100  
110 34.3 16.8 50.4  
77 31.1 25.0 37.6



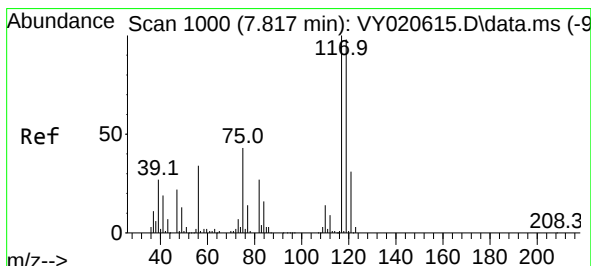
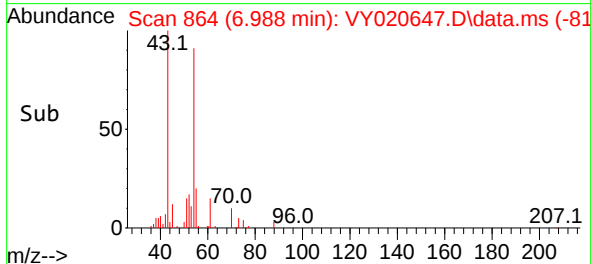
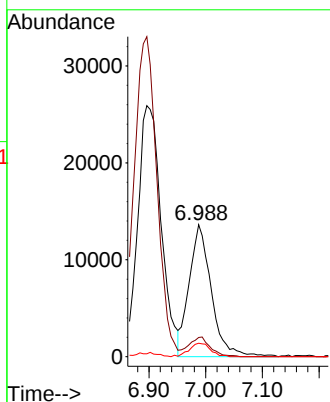


#37  
Ethyl Acetate  
Concen: 21.671 ug/l  
RT: 6.988 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

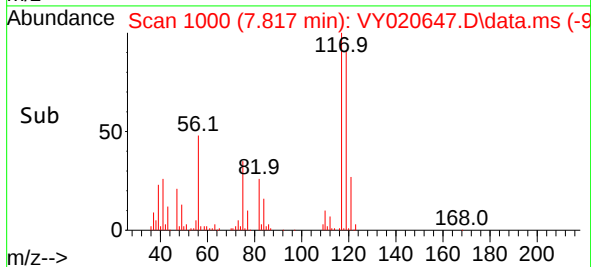
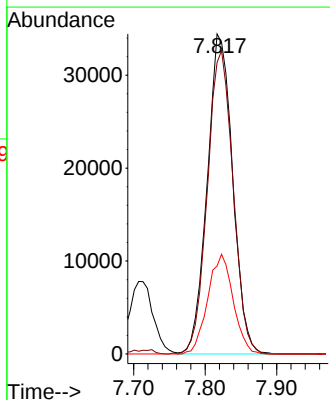
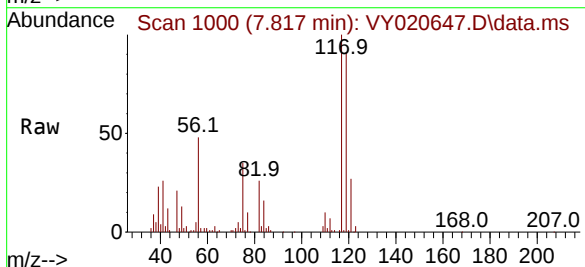


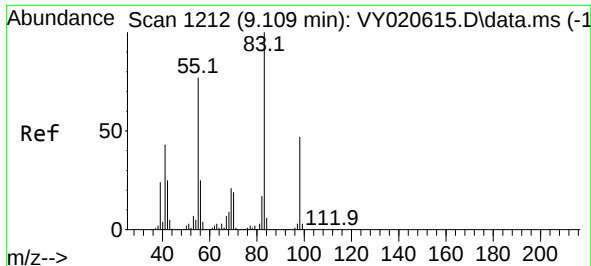
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 37099 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 14.0  | 11.0  | 16.4  |
| 70       | 9.7   | 7.9   | 11.9  |



#38  
Carbon Tetrachloride  
Concen: 21.119 ug/l  
RT: 7.817 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 85038 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 91.1  | 78.3  | 117.5 |
| 121      | 27.5  | 25.1  | 37.7  |

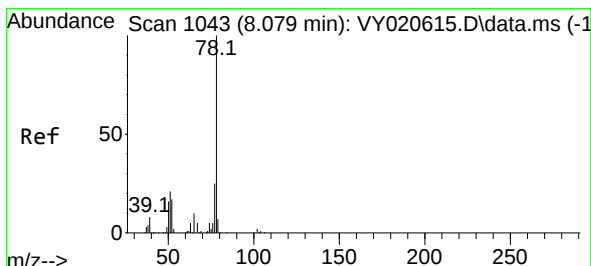
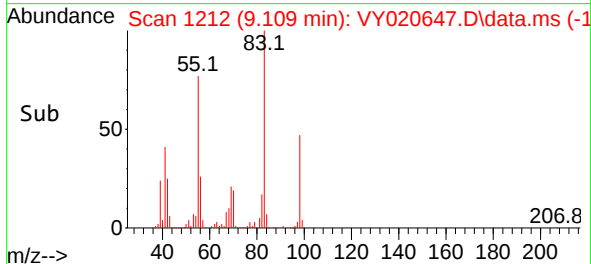
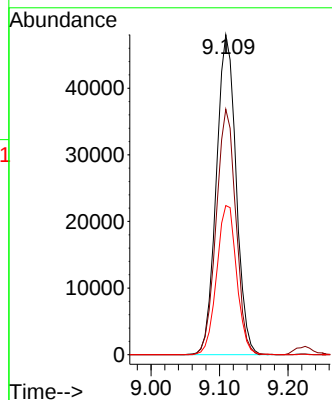
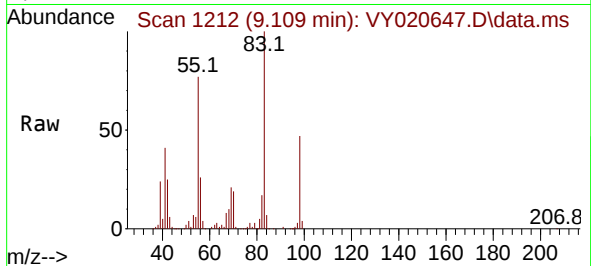




#39  
Methylcyclohexane  
Concen: 20.236 ug/l  
RT: 9.109 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

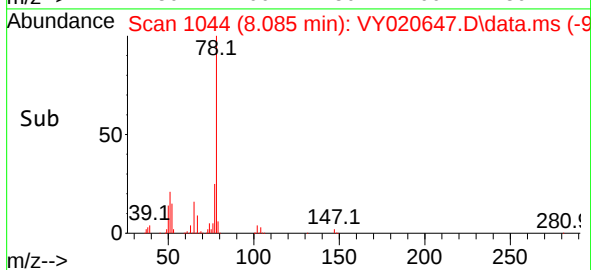
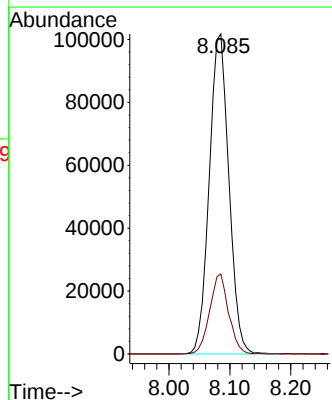
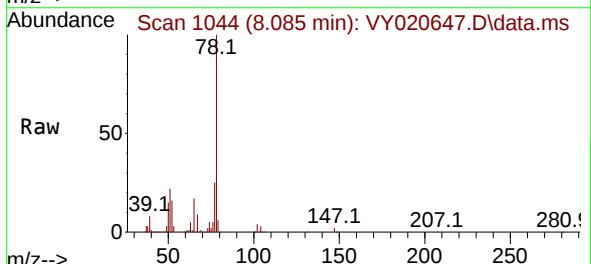
Instrument :  
MSVOA\_Y  
ClientSampleId :

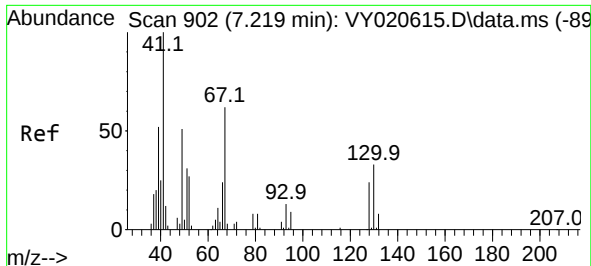
Tgt Ion: 83 Resp: 95987  
Ion Ratio Lower Upper  
83 100  
55 76.7 61.4 92.0  
98 46.6 37.3 55.9



#40  
Benzene  
Concen: 21.371 ug/l  
RT: 8.085 min Scan# 1044  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

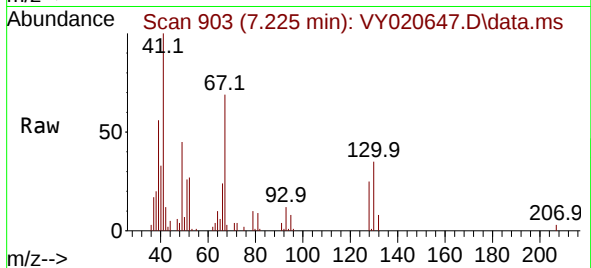
Tgt Ion: 78 Resp: 227976  
Ion Ratio Lower Upper  
78 100  
77 25.0 20.1 30.1



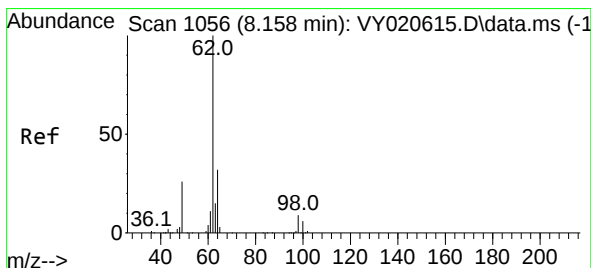
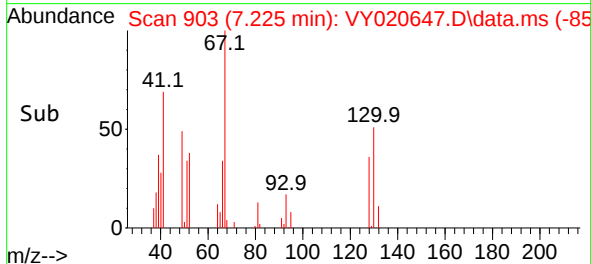
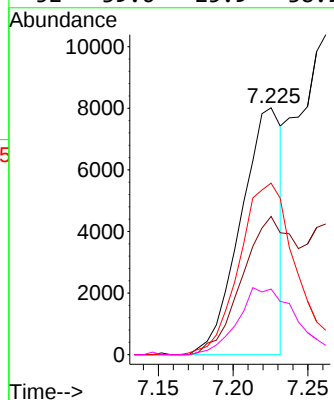


#41  
Methacrylonitrile  
Concen: 16.803 ug/l  
RT: 7.225 min Scan# 902  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

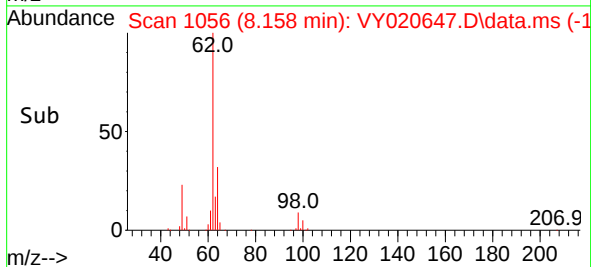
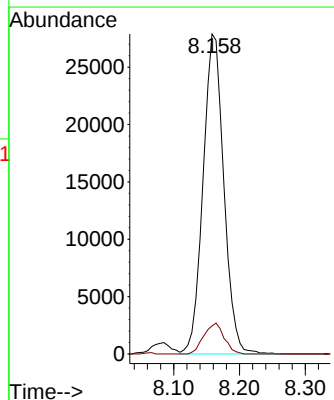
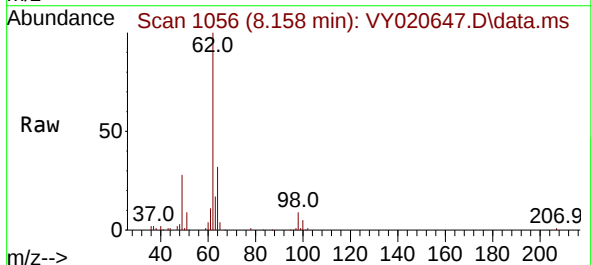


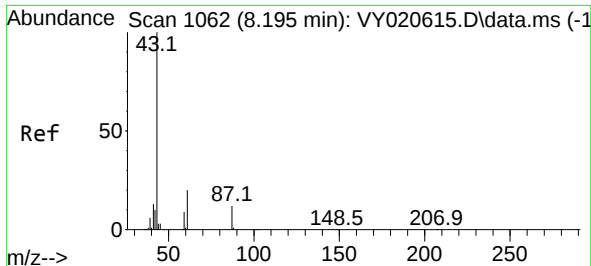
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 15207 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 71.7  | 53.6  | 80.4  |
| 67       | 98.0  | 62.0  | 93.0# |
| 52       | 39.6  | 25.9  | 38.9# |



#42  
1,2-Dichloroethane  
Concen: 21.617 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 61160 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.4   | 0.0   | 18.0  |

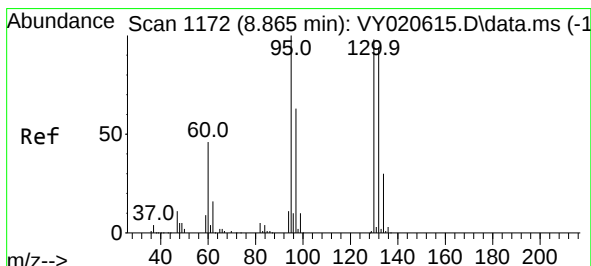
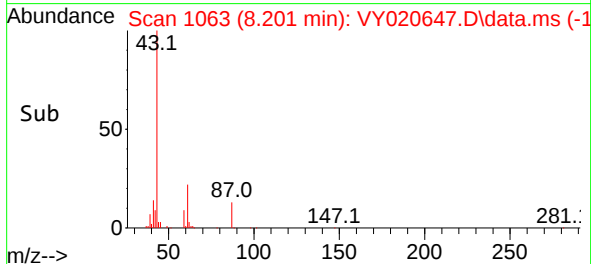
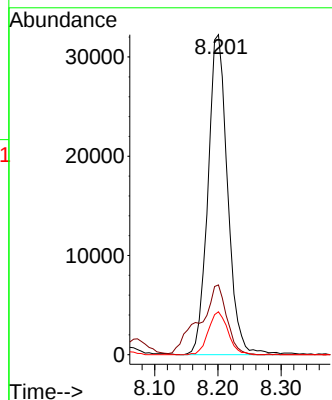
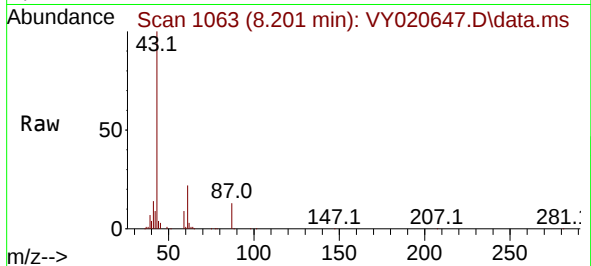




#43  
Isopropyl Acetate  
Concen: 21.441 ug/l  
RT: 8.201 min Scan# 1063  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

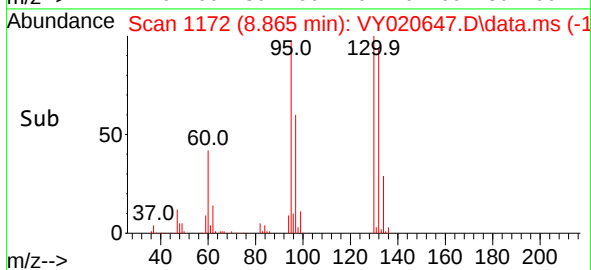
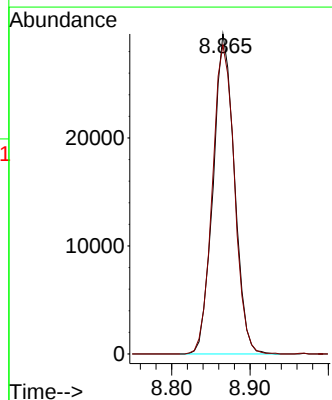
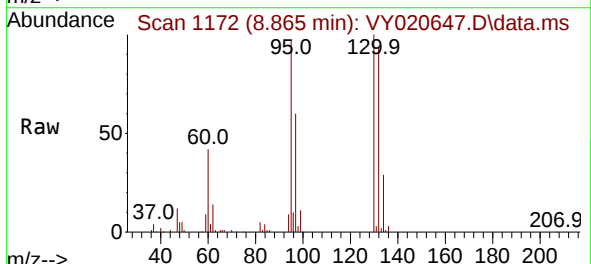
Instrument :  
MSVOA\_Y  
ClientSampleId :

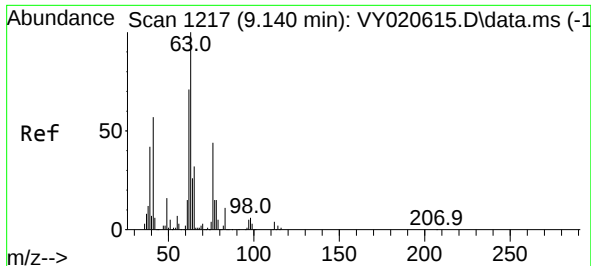
Tgt Ion: 43 Resp: 69490  
Ion Ratio Lower Upper  
43 100  
61 30.2 23.8 35.6  
87 13.4 10.2 15.4



#44  
Trichloroethene  
Concen: 21.384 ug/l  
RT: 8.865 min Scan# 1172  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion:130 Resp: 56052  
Ion Ratio Lower Upper  
130 100  
95 96.5 0.0 203.2

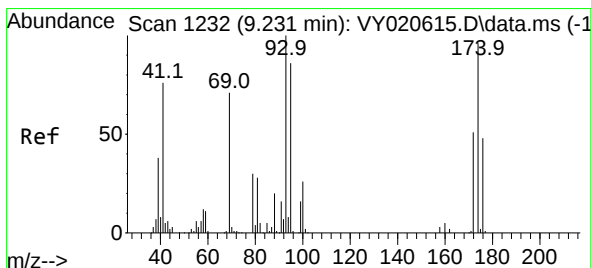
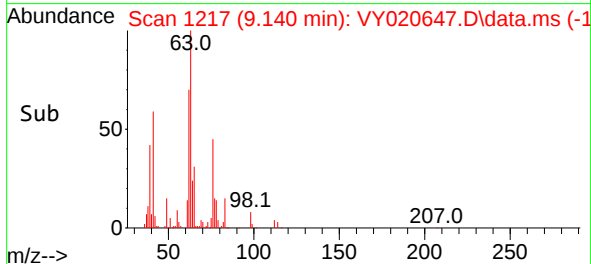
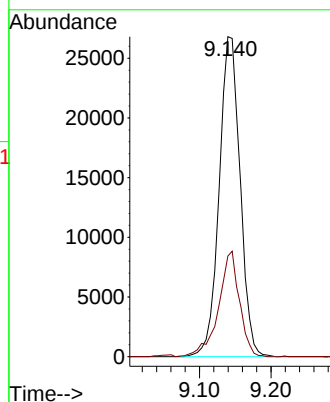
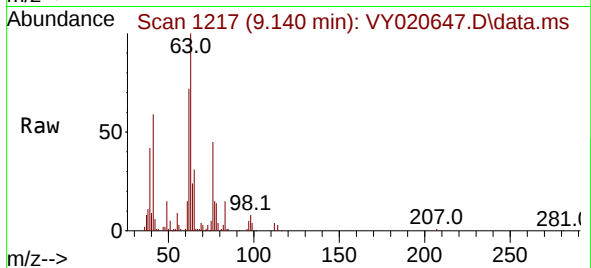




#45  
1,2-Dichloropropane  
Concen: 21.857 ug/l  
RT: 9.140 min Scan# 1217  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

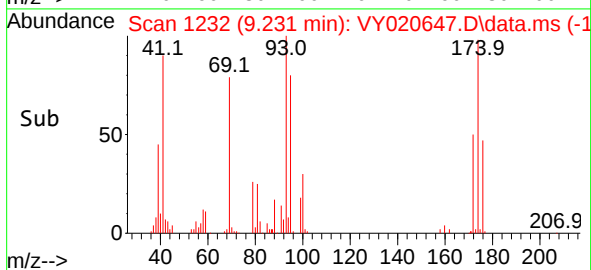
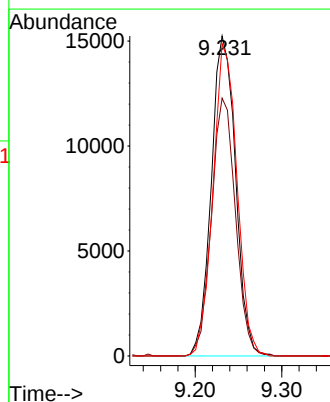
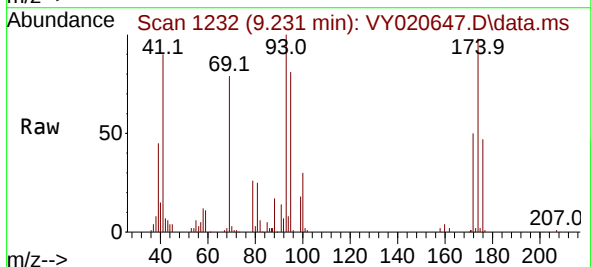
Instrument :  
MSVOA\_Y  
ClientSampleId :

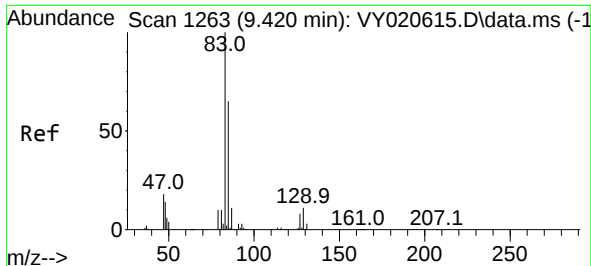
Tgt Ion: 63 Resp: 54493  
Ion Ratio Lower Upper  
63 100  
65 31.4 25.9 38.9



#46  
Dibromomethane  
Concen: 22.464 ug/l  
RT: 9.231 min Scan# 1232  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 93 Resp: 29599  
Ion Ratio Lower Upper  
93 100  
95 79.9 66.7 100.1  
174 96.5 77.8 116.6

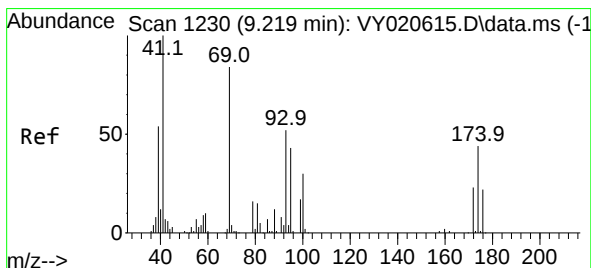
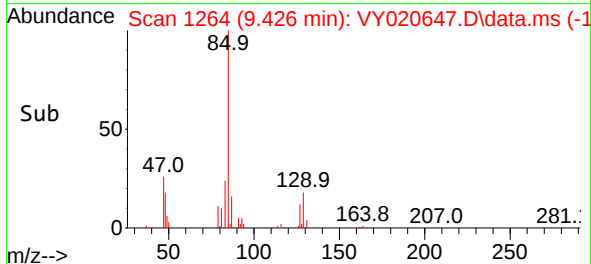
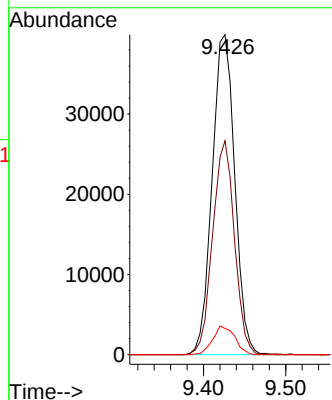
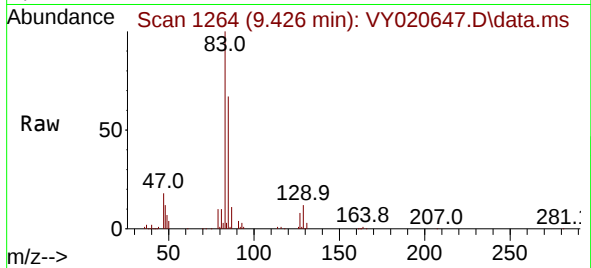




#47  
Bromodichloromethane  
Concen: 21.413 ug/l  
RT: 9.426 min Scan# 1263  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

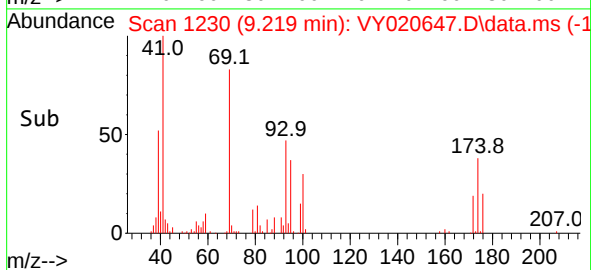
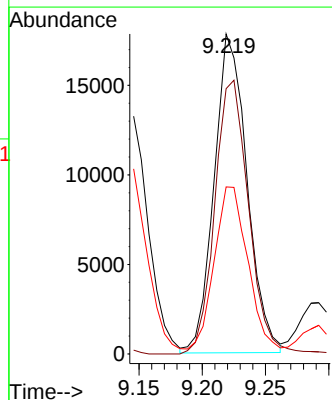
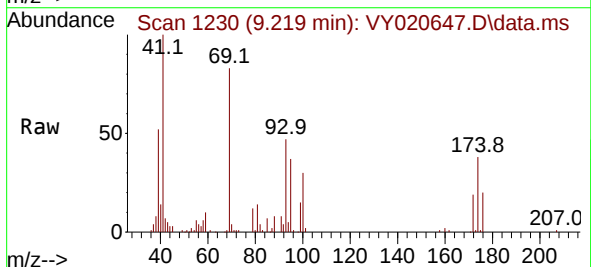
Instrument :  
MSVOA\_Y  
ClientSampleId :

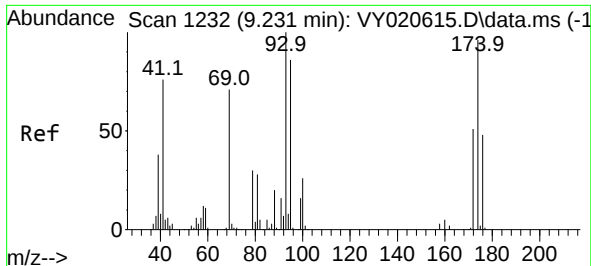
Tgt Ion: 83 Resp: 76212  
Ion Ratio Lower Upper  
83 100  
85 66.8 52.1 78.1  
127 8.2 6.7 10.1



#48  
Methyl methacrylate  
Concen: 20.890 ug/l  
RT: 9.219 min Scan# 1230  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

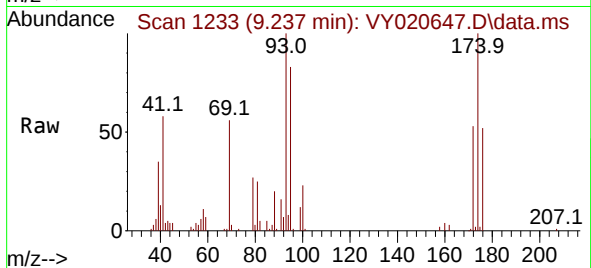
Tgt Ion: 41 Resp: 32186  
Ion Ratio Lower Upper  
41 100  
69 88.7 67.2 100.8  
39 51.3 42.2 63.4



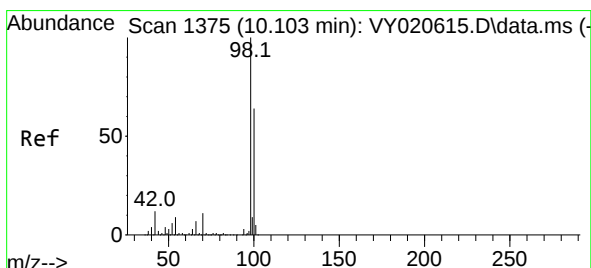
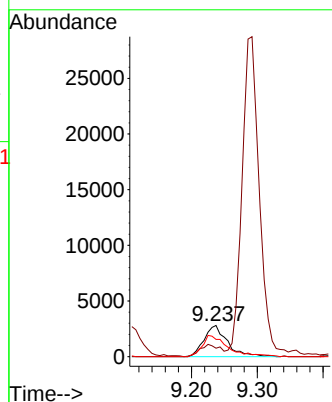
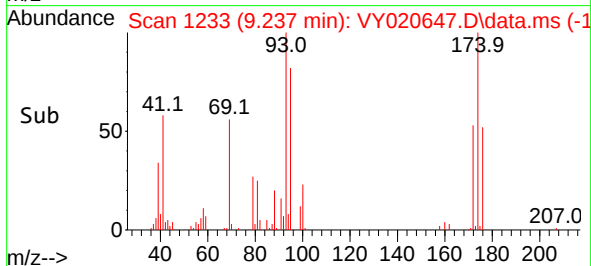


#49  
1,4-Dioxane  
Concen: 459.147 ug/l  
RT: 9.237 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

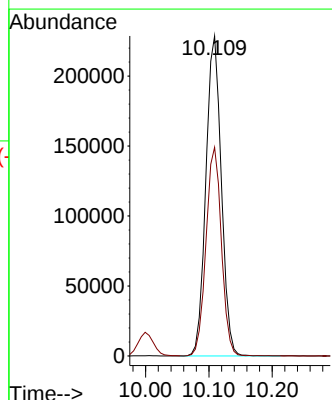
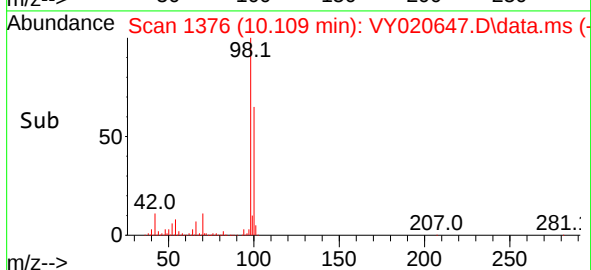
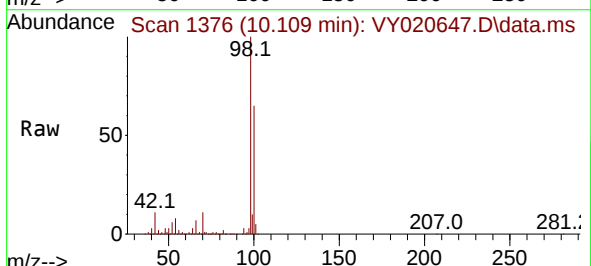


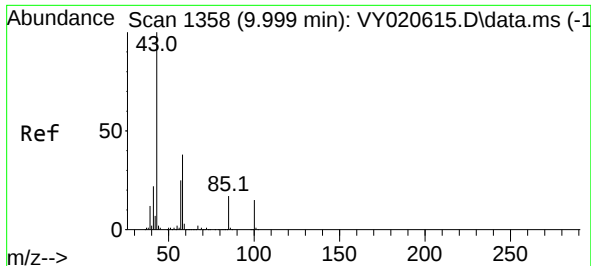
Tgt Ion: 88 Resp: 6938  
Ion Ratio Lower Upper  
88 100  
43 32.8 27.6 41.4  
58 75.2 61.7 92.5



#50  
Toluene-d8  
Concen: 55.554 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 98 Resp: 388095  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.1 78.1

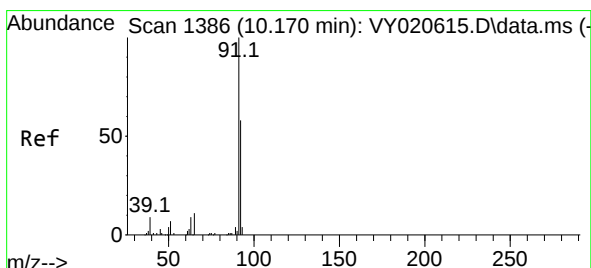
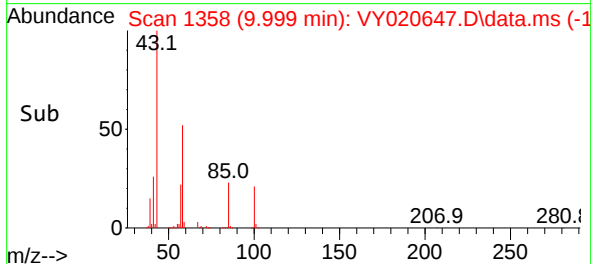
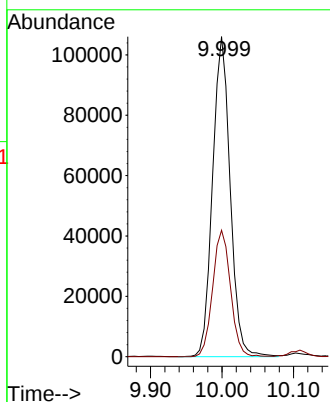
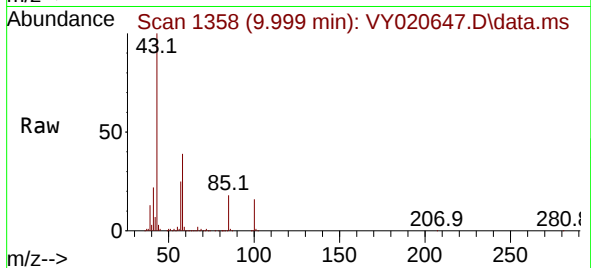




#51  
4-Methyl-2-Pentanone  
Concen: 105.942 ug/l  
RT: 9.999 min Scan# 1358  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

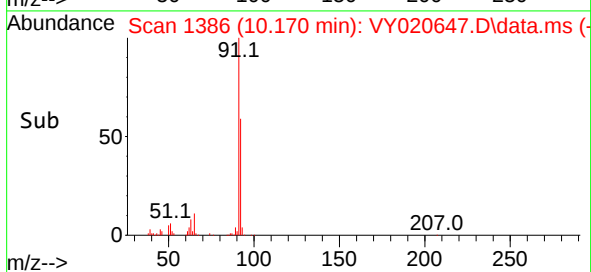
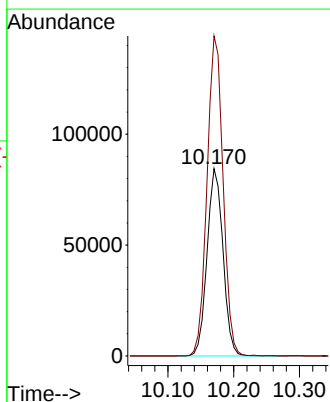
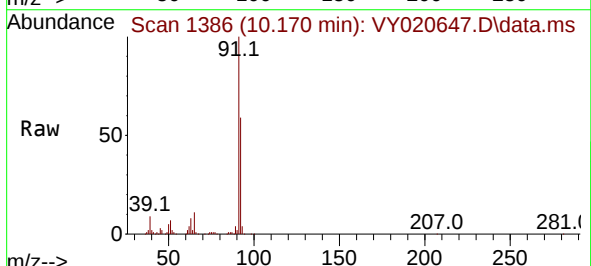
Instrument :  
MSVOA\_Y  
ClientSampleId :

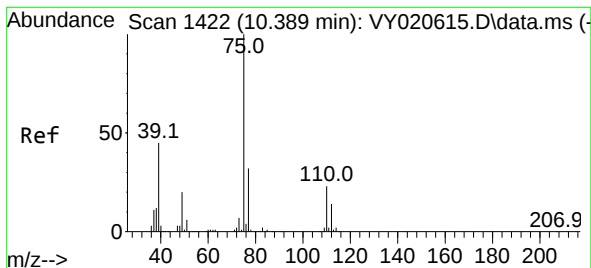
Tgt Ion: 43 Resp: 181234  
Ion Ratio Lower Upper  
43 100  
58 40.1 31.4 47.2



#52  
Toluene  
Concen: 21.454 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 92 Resp: 142231  
Ion Ratio Lower Upper  
92 100  
91 171.7 137.4 206.0

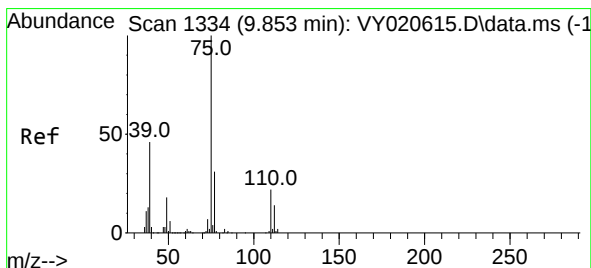
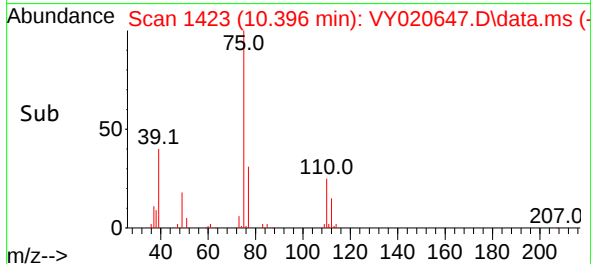
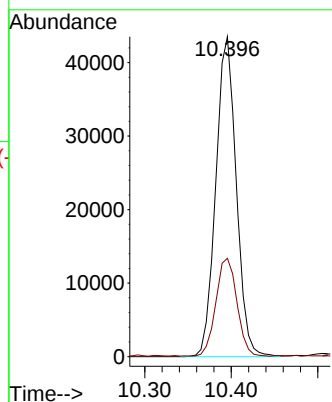
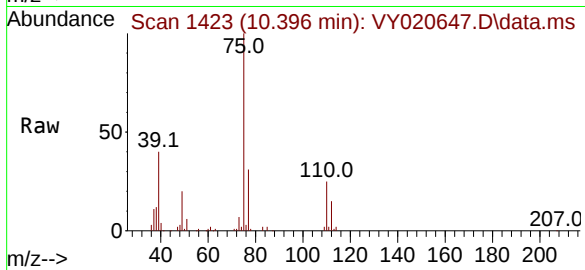




#53  
t-1,3-Dichloropropene  
Concen: 21.532 ug/l  
RT: 10.396 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

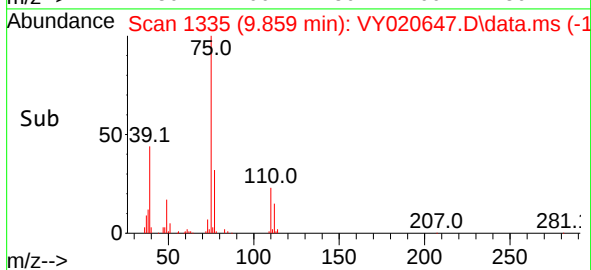
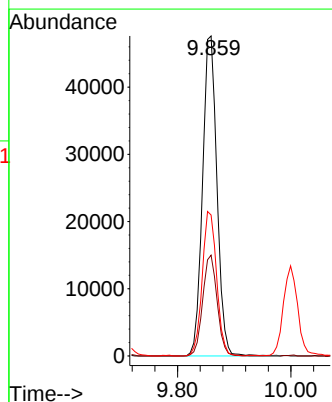
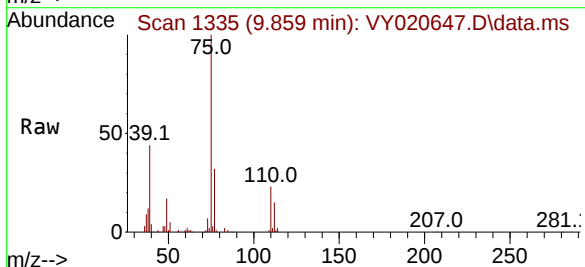
Instrument :  
MSVOA\_Y  
ClientSampleId :

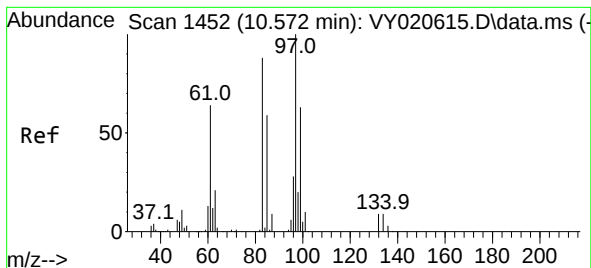
Tgt Ion: 75 Resp: 71410  
Ion Ratio Lower Upper  
75 100  
77 30.6 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 21.381 ug/l  
RT: 9.859 min Scan# 1335  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 75 Resp: 84026  
Ion Ratio Lower Upper  
75 100  
77 31.5 24.6 36.8  
39 44.1 36.4 54.6

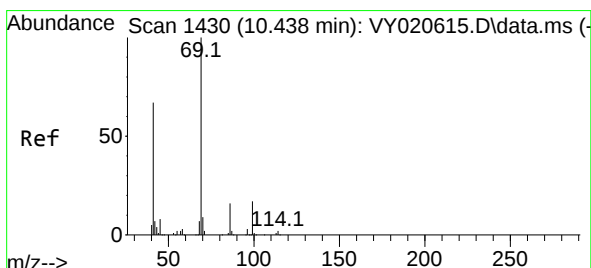
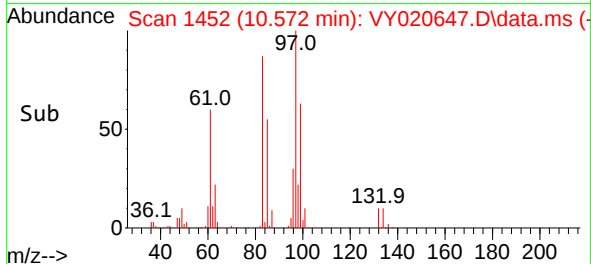
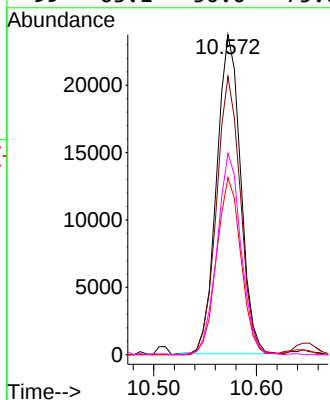
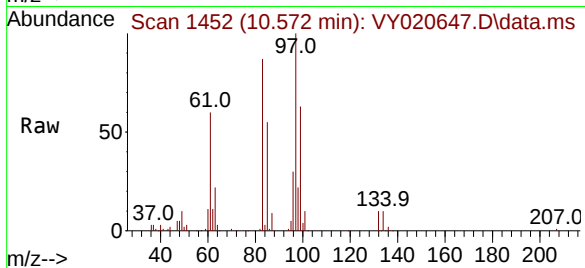




#55  
1,1,2-Trichloroethane  
Concen: 21.995 ug/l  
RT: 10.572 min Scan# 1452  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

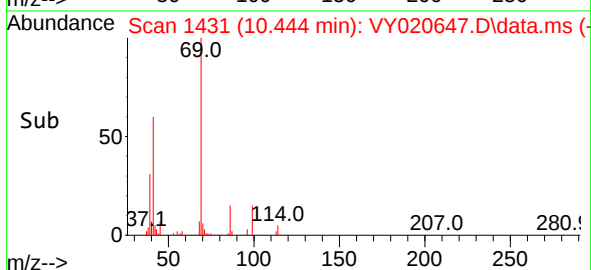
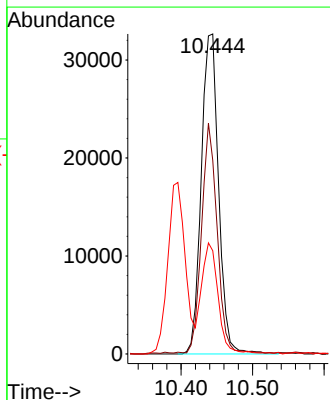
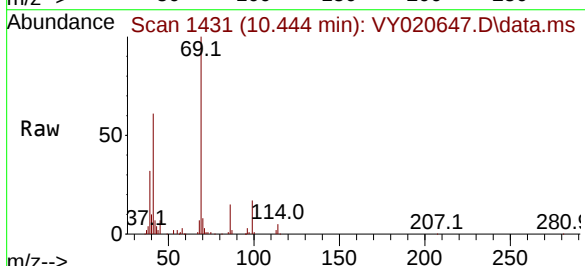
Instrument :  
MSVOA\_Y  
ClientSampleId :

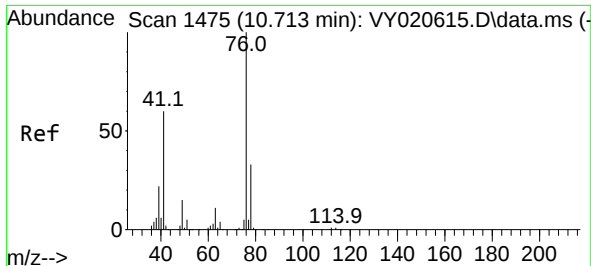
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 38316 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.2  | 70.4  | 105.6 |
| 85       | 55.5  | 47.2  | 70.8  |
| 99       | 63.1  | 50.0  | 75.0  |



#56  
Ethyl methacrylate  
Concen: 21.762 ug/l  
RT: 10.444 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 54998 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 64.3  | 54.0  | 81.0  |
| 39       | 33.3  | 27.9  | 41.9  |





#57

1,3-Dichloropropane

Concen: 22.270 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

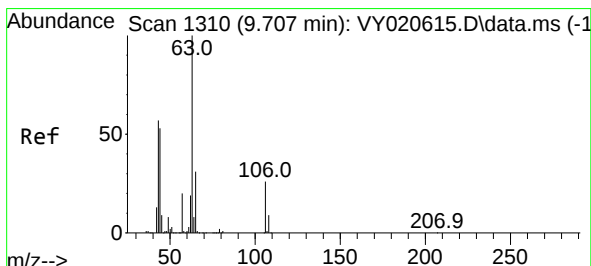
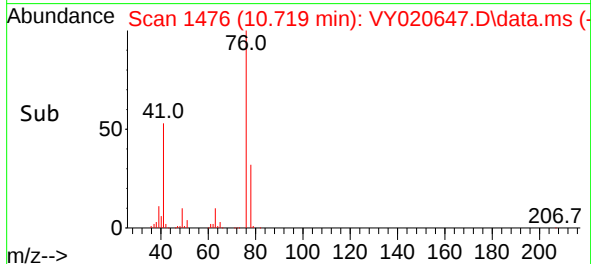
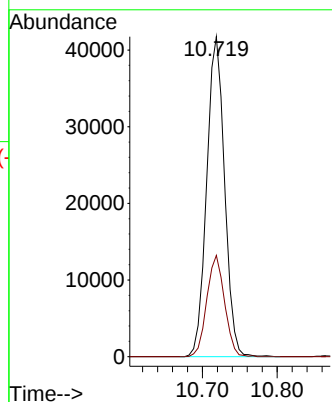
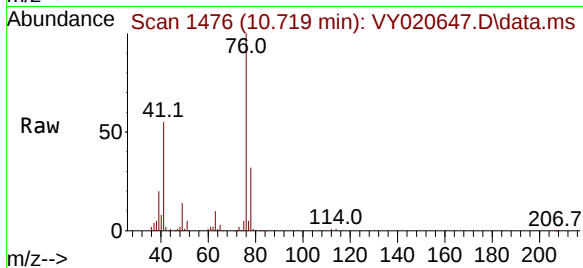
ClientSampleId :

Tgt Ion: 76 Resp: 69158

Ion Ratio Lower Upper

76 100

78 31.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 107.175 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY020647.D

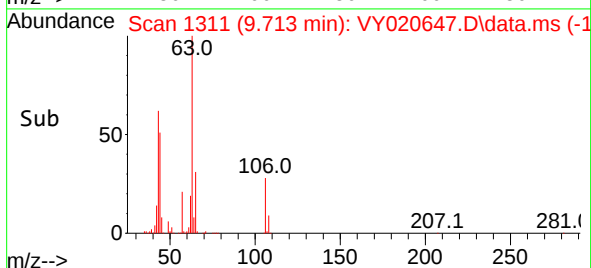
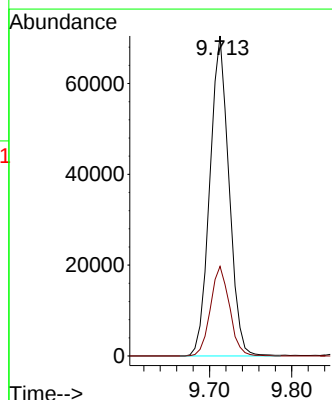
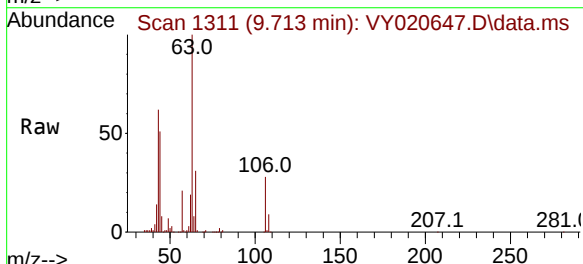
Acq: 19 Dec 2024 11:53

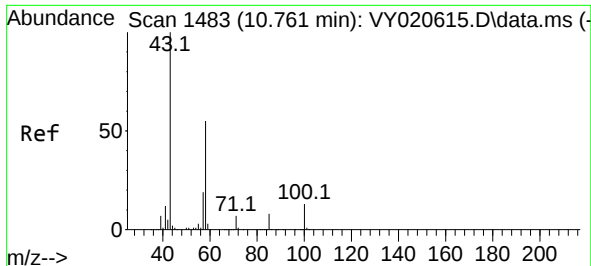
Tgt Ion: 63 Resp: 113969

Ion Ratio Lower Upper

63 100

106 27.8 21.5 32.3

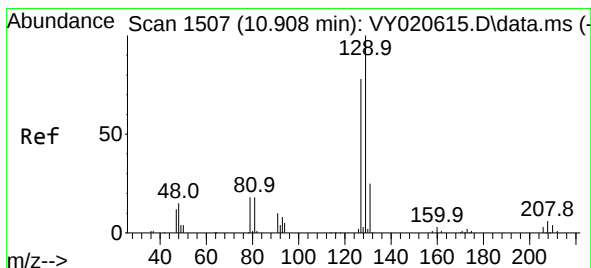
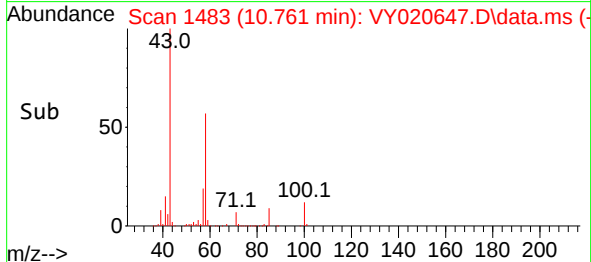
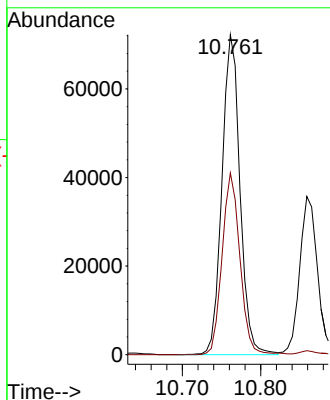
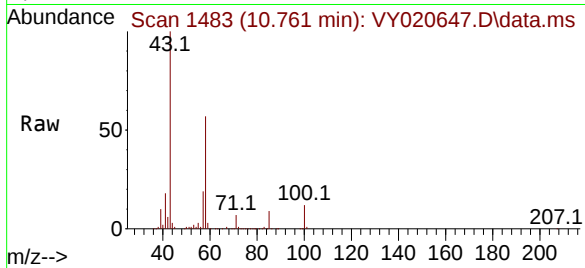




#59  
2-Hexanone  
Concen: 105.263 ug/l  
RT: 10.761 min Scan# 1483  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

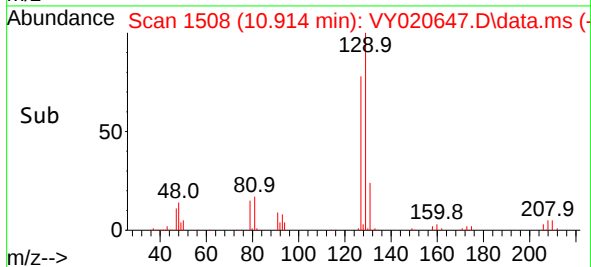
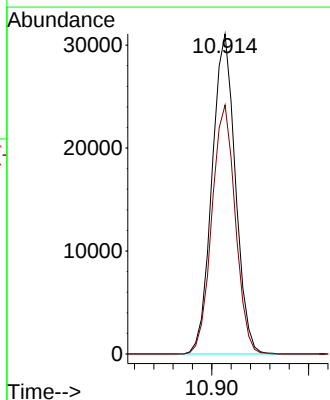
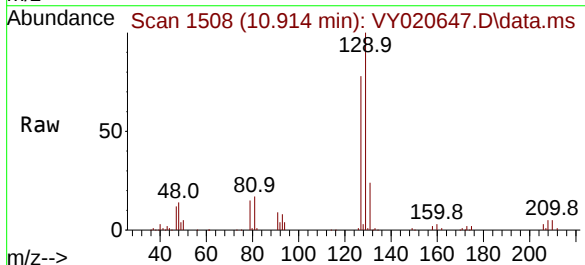
Instrument :  
MSVOA\_Y  
ClientSampleId :

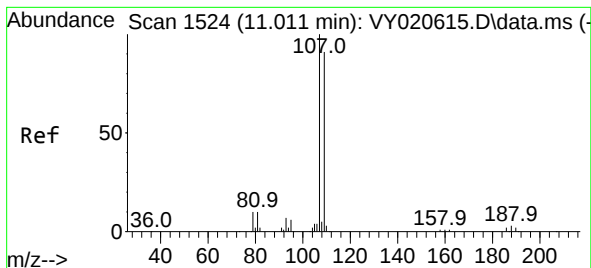
Tgt Ion: 43 Resp: 115614  
Ion Ratio Lower Upper  
43 100  
58 56.3 27.2 81.6



#60  
Dibromochloromethane  
Concen: 22.297 ug/l  
RT: 10.914 min Scan# 1508  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion:129 Resp: 51946  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.1 114.3

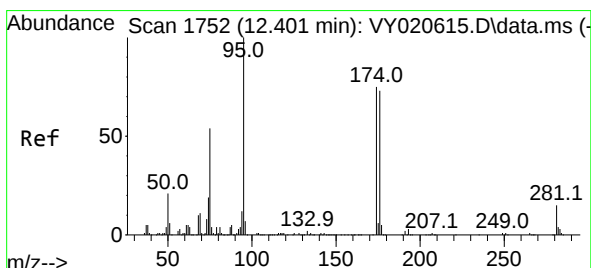
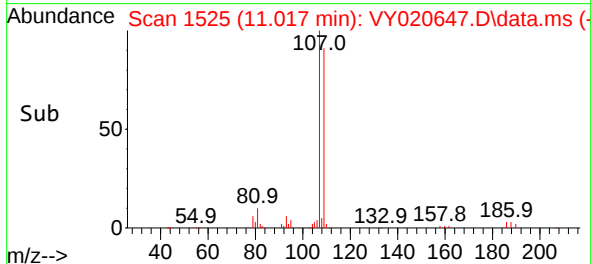
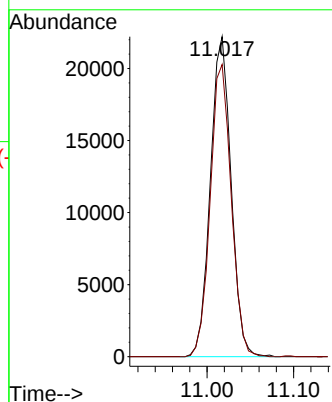
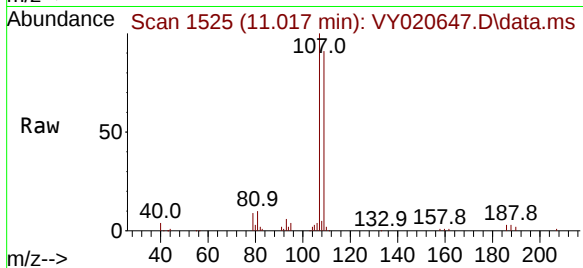




#61  
1,2-Dibromoethane  
Concen: 22.758 ug/l  
RT: 11.017 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

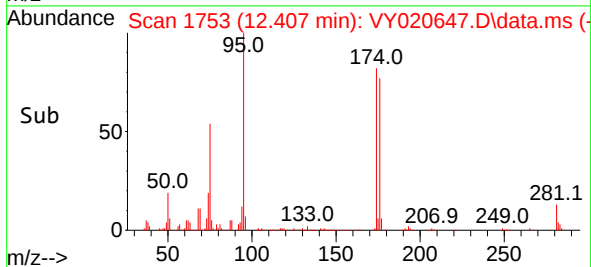
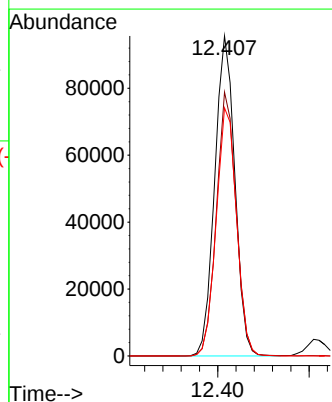
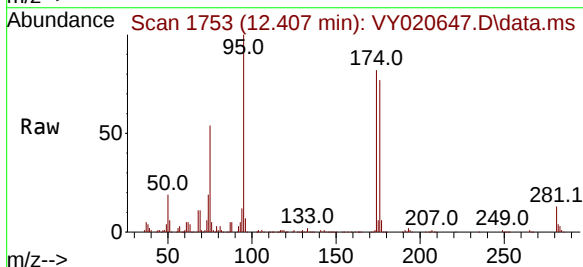
Instrument :  
MSVOA\_Y  
ClientSampleId :

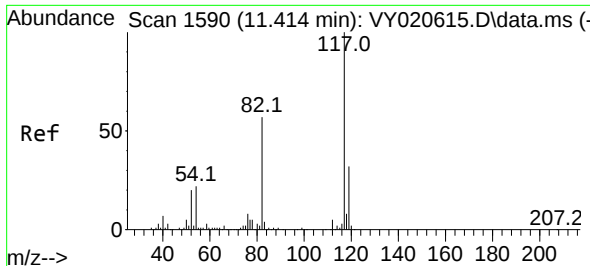
Tgt Ion:107 Resp: 36878  
Ion Ratio Lower Upper  
107 100  
109 92.6 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 53.552 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

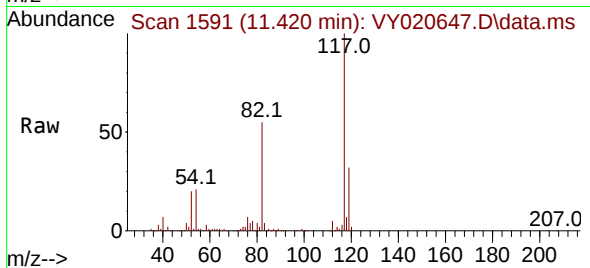
Tgt Ion: 95 Resp: 146340  
Ion Ratio Lower Upper  
95 100  
174 80.8 0.0 161.8  
176 78.4 0.0 156.6



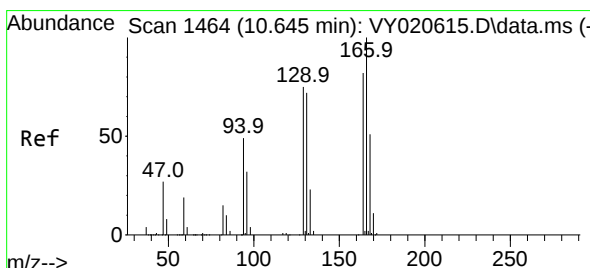
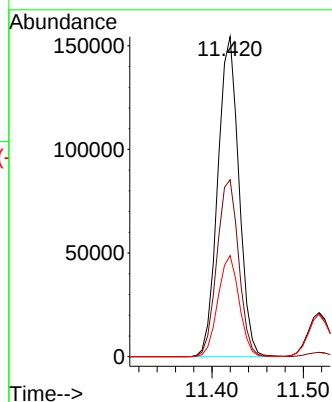
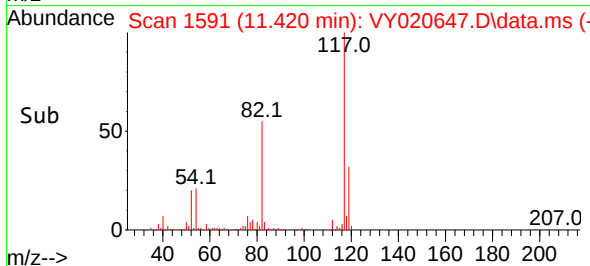


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

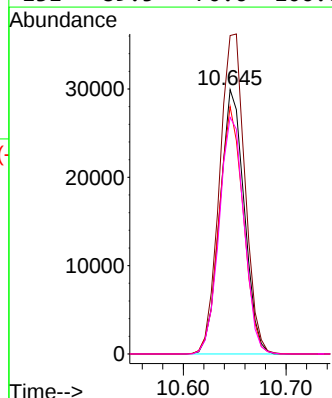
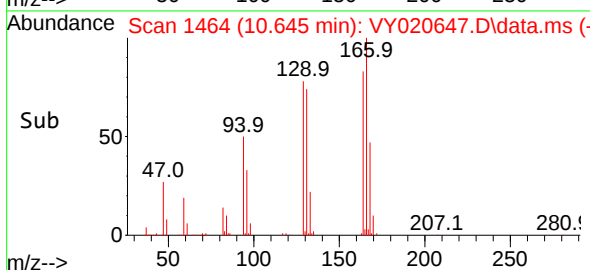
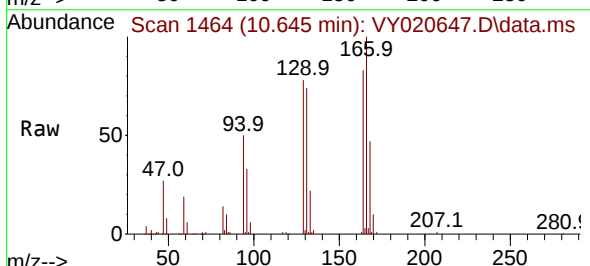


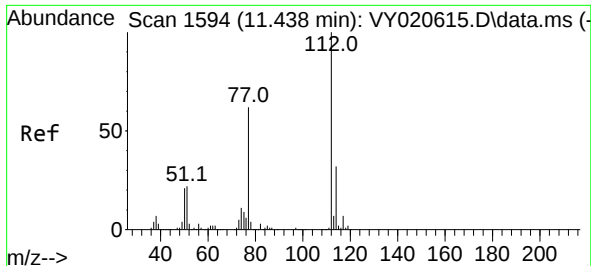
Tgt Ion:117 Resp: 247561  
Ion Ratio Lower Upper  
117 100  
82 55.3 45.8 68.6  
119 31.6 25.3 37.9



#64  
Tetrachloroethene  
Concen: 21.133 ug/l  
RT: 10.645 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion:164 Resp: 49209  
Ion Ratio Lower Upper  
164 100  
166 120.4 97.9 146.9  
129 93.5 73.4 110.0  
131 89.5 70.6 106.0

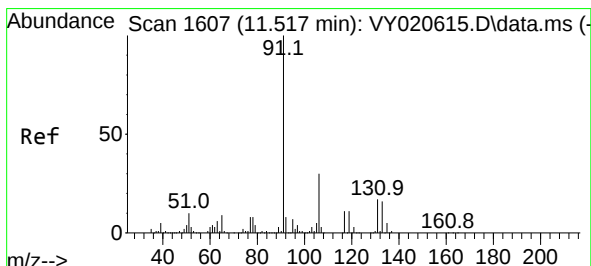
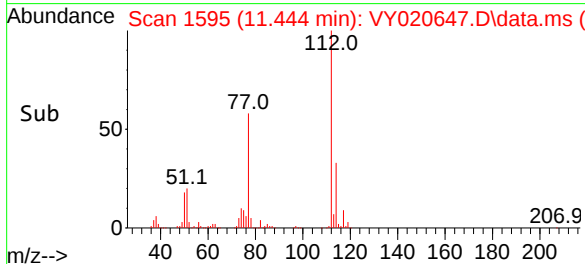
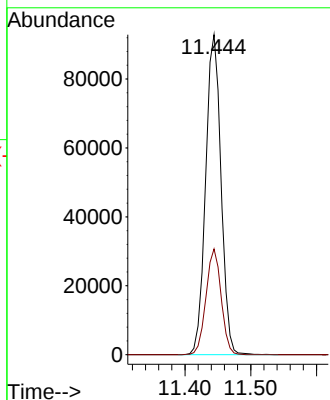
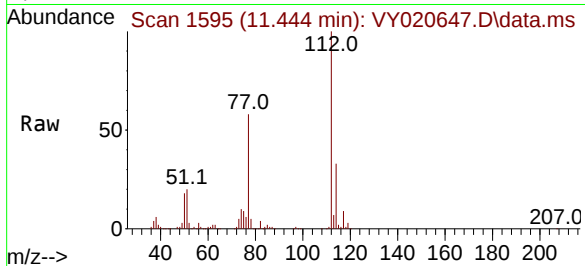




#65  
Chlorobenzene  
Concen: 21.815 ug/l  
RT: 11.444 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

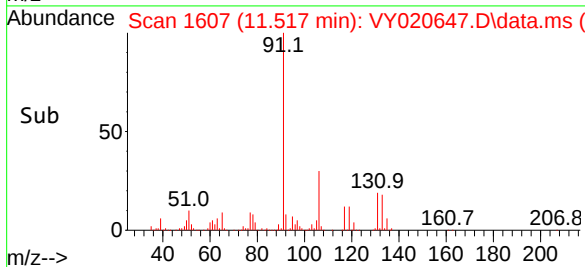
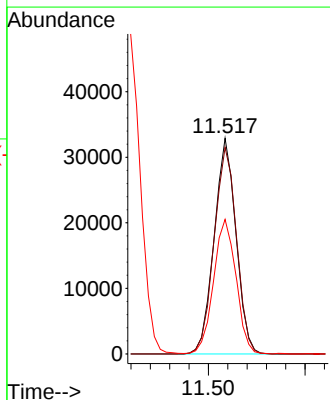
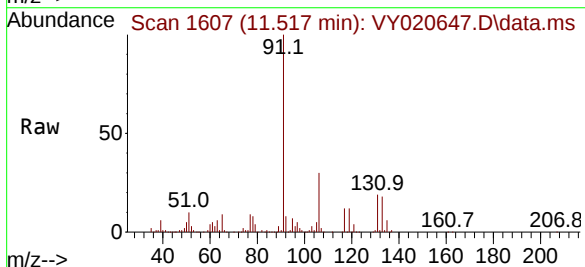
Instrument :  
MSVOA\_Y  
ClientSampleId :

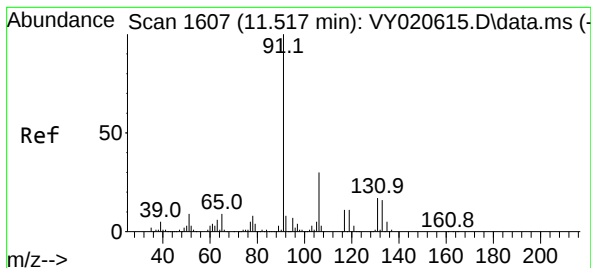
Tgt Ion:112 Resp: 151005  
Ion Ratio Lower Upper  
112 100  
114 33.0 26.0 39.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.787 ug/l  
RT: 11.517 min Scan# 1607  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion:131 Resp: 51570  
Ion Ratio Lower Upper  
131 100  
133 98.4 46.8 140.3  
119 64.2 31.8 95.3





#67

Ethyl Benzene

Concen: 21.198 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

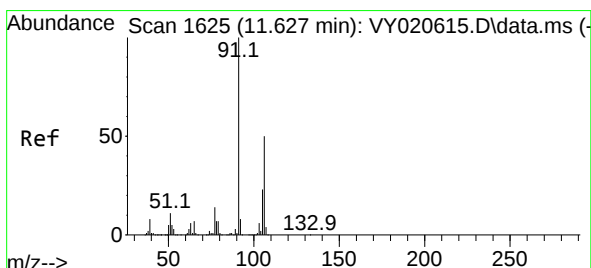
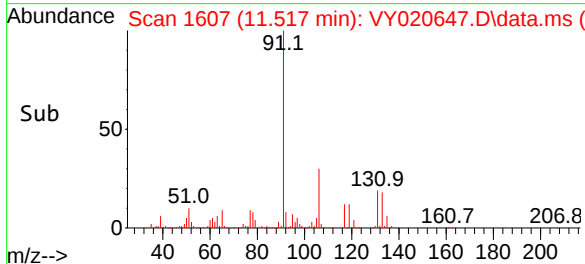
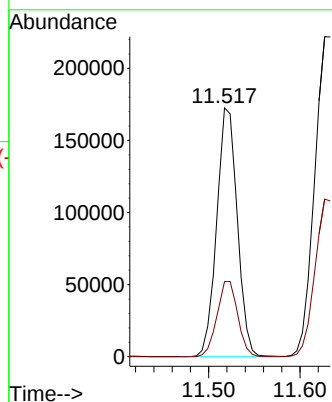
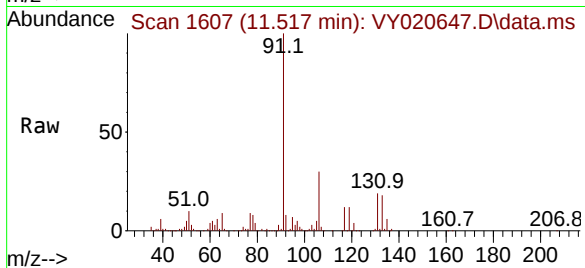
ClientSampleId :

Tgt Ion: 91 Resp: 270705

Ion Ratio Lower Upper

91 100

106 30.2 23.9 35.9



#68

m/p-Xylenes

Concen: 42.880 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY020647.D

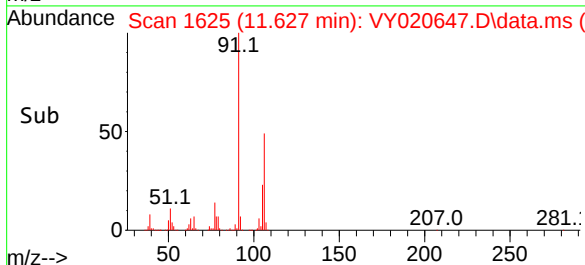
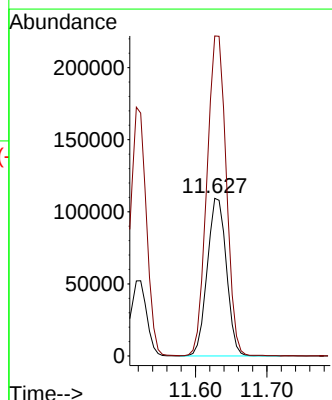
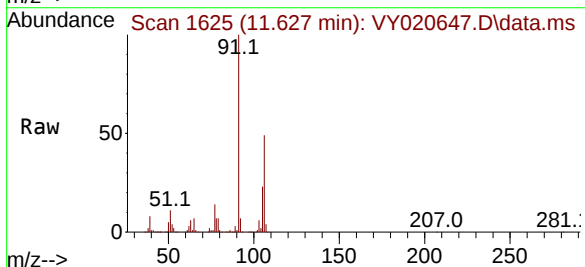
Acq: 19 Dec 2024 11:53

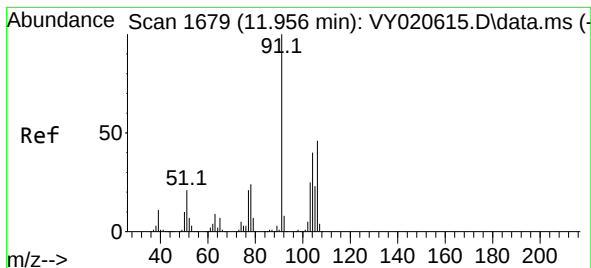
Tgt Ion:106 Resp: 203604

Ion Ratio Lower Upper

106 100

91 204.7 165.0 247.4





#69

o-Xylene

Concen: 21.650 ug/l

RT: 11.956 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

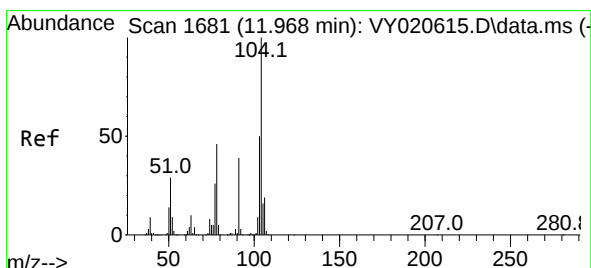
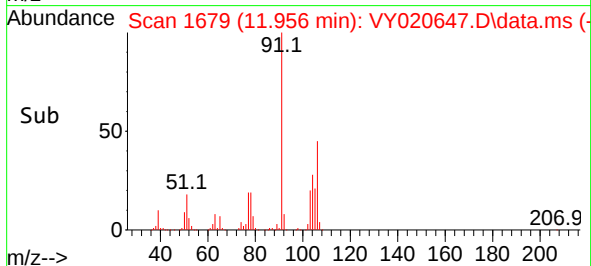
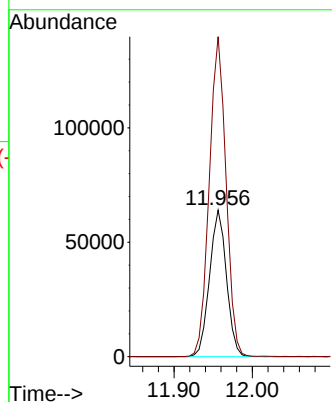
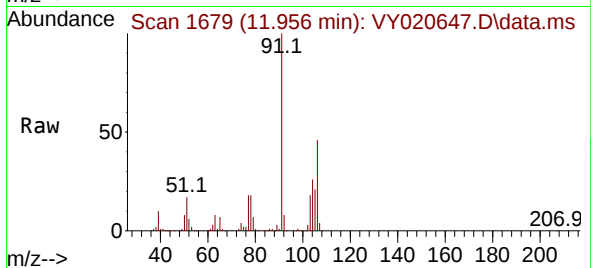
ClientSampleId :

Tgt Ion:106 Resp: 95914

Ion Ratio Lower Upper

106 100

91 216.4 108.4 325.2



#70

Styrene

Concen: 21.650 ug/l

RT: 11.968 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

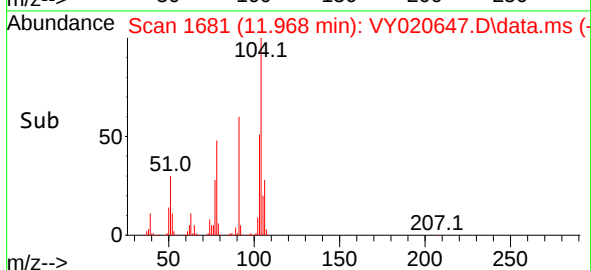
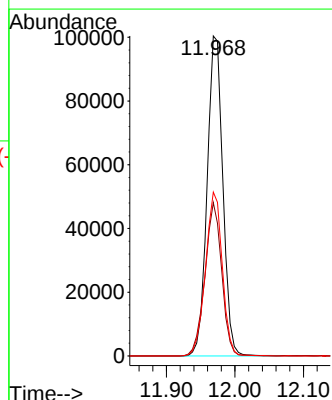
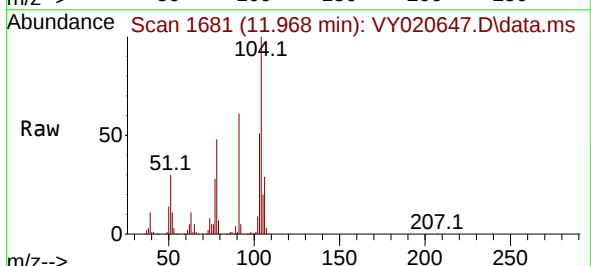
Tgt Ion:104 Resp: 160252

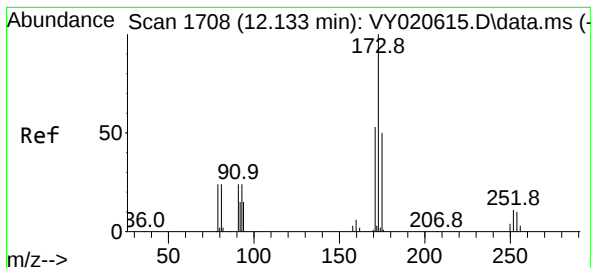
Ion Ratio Lower Upper

104 100

78 51.0 41.6 62.4

103 54.8 43.7 65.5





#71

Bromoform

Concen: 22.451 ug/l

RT: 12.133 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

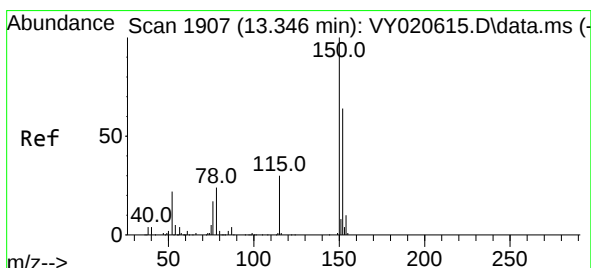
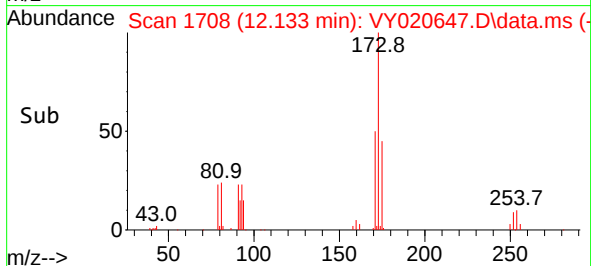
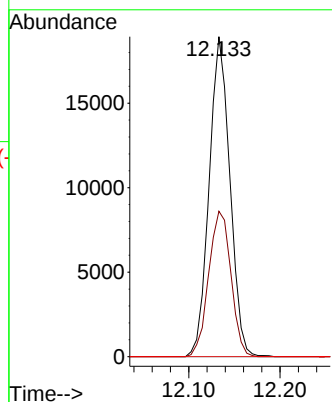
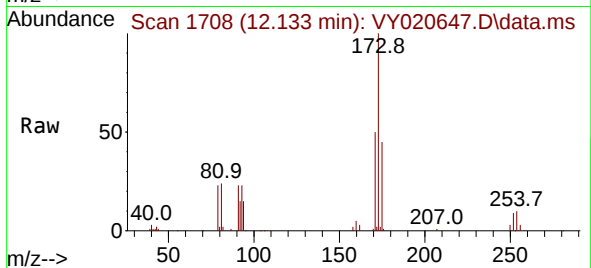
Tgt Ion:173 Resp: 29878

Ion Ratio Lower Upper

173 100

175 48.7 24.6 74.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

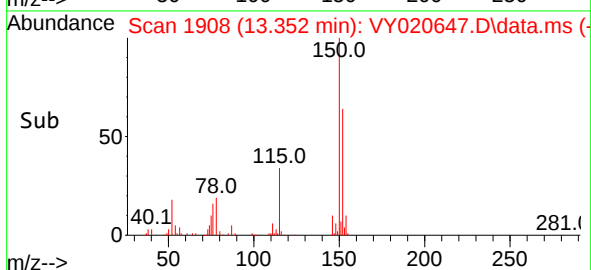
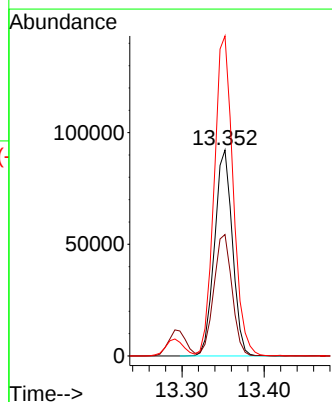
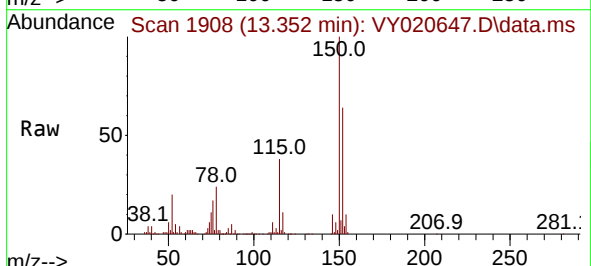
Tgt Ion:152 Resp: 139236

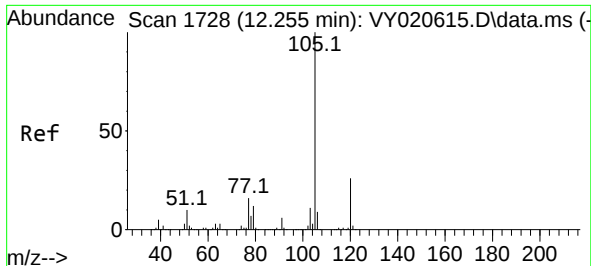
Ion Ratio Lower Upper

152 100

115 60.3 30.2 90.6

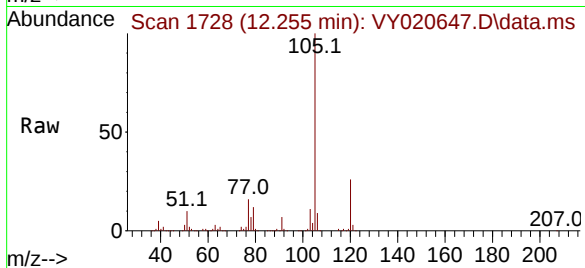
150 164.4 0.0 355.4



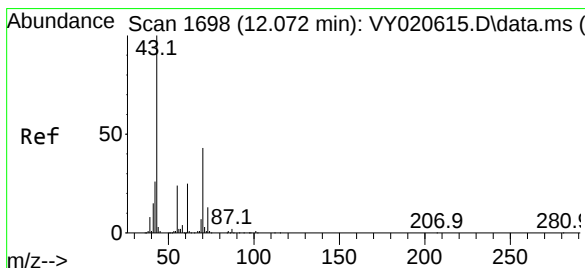
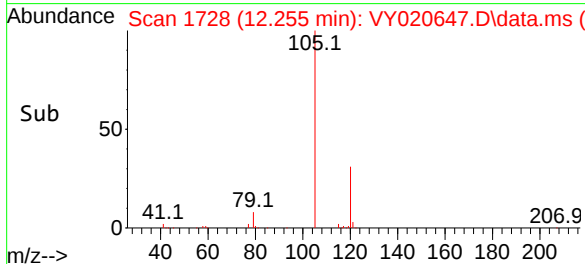
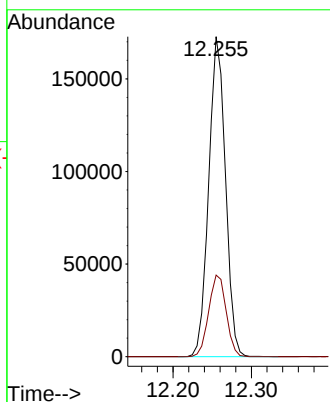


#73  
Isopropylbenzene  
Concen: 21.076 ug/l  
RT: 12.255 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

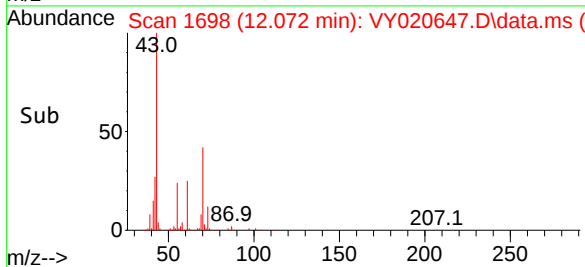
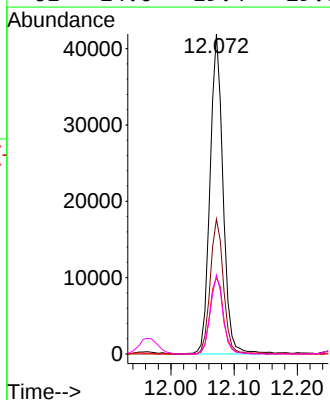
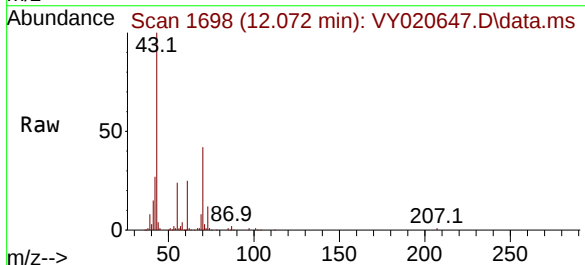


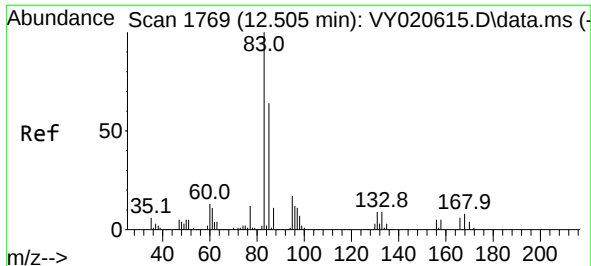
Tgt Ion:105 Resp: 256085  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.1 39.1



#74  
N-ethyl acetate  
Concen: 21.169 ug/l  
RT: 12.072 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 60196  
Ion Ratio Lower Upper  
43 100  
70 42.7 34.2 51.2  
55 24.6 19.6 29.4  
61 24.0 19.4 29.0

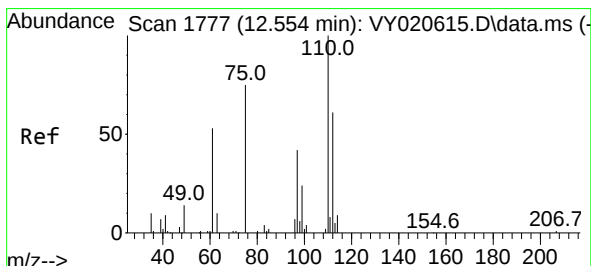
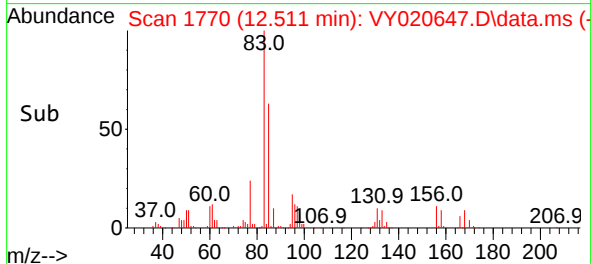
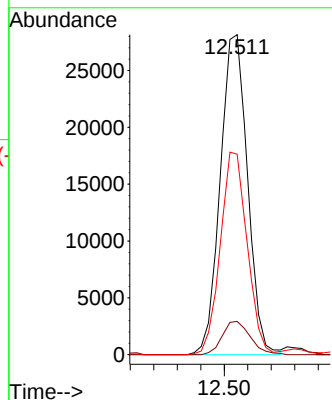
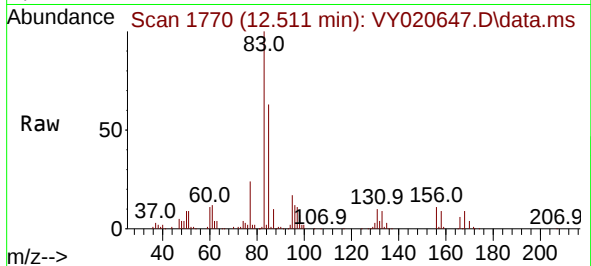




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 22.992 ug/l  
 RT: 12.511 min Scan# 1770  
 Delta R.T. 0.006 min  
 Lab File: VY020647.D  
 Acq: 19 Dec 2024 11:53

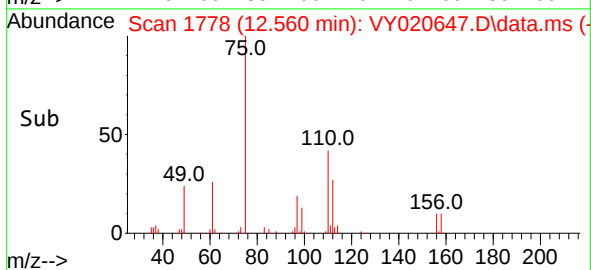
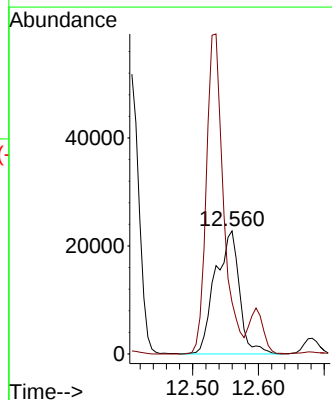
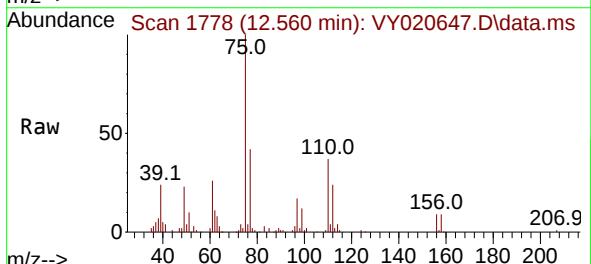
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

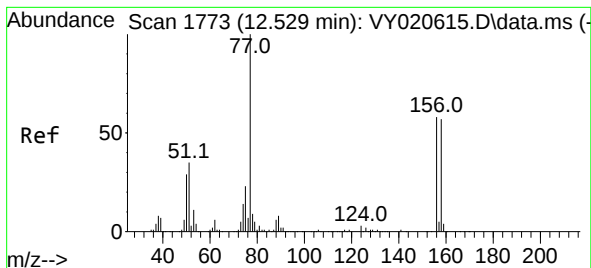
Tgt Ion: 83 Resp: 45346  
 Ion Ratio Lower Upper  
 83 100  
 131 10.7 5.2 15.6  
 85 62.5 32.5 97.4



#76  
 1,2,3-Trichloropropane  
 Concen: 40.335 ug/l  
 RT: 12.560 min Scan# 1778  
 Delta R.T. 0.006 min  
 Lab File: VY020647.D  
 Acq: 19 Dec 2024 11:53

Tgt Ion: 75 Resp: 58340  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.319 ug/l

RT: 12.535 min Scan# 1774

Delta R.T. 0.006 min

Lab File: VY020647.D

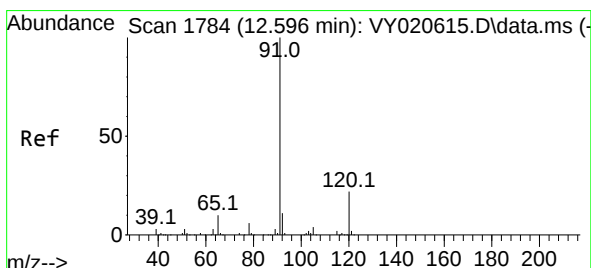
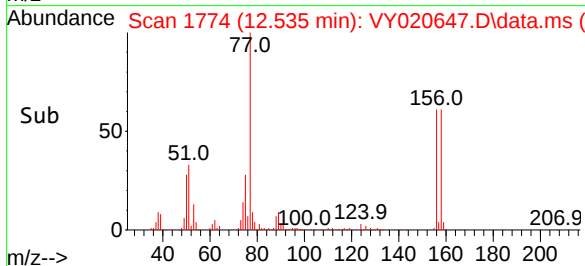
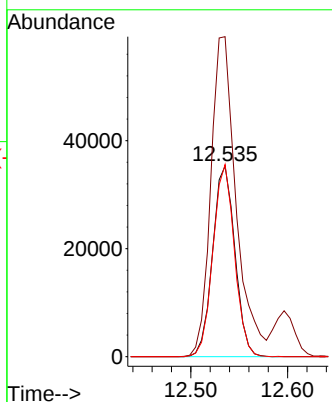
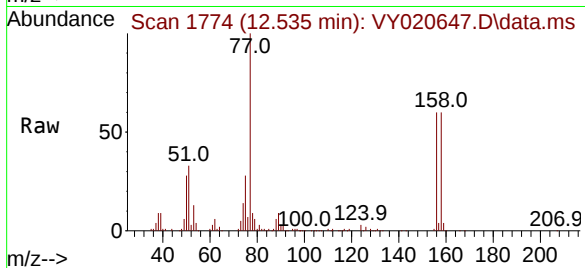
Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 56425 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 191.1 | 94.2  | 282.4 |
| 158       | 97.6  | 48.9  | 146.6 |



#78

n-propylbenzene

Concen: 20.979 ug/l

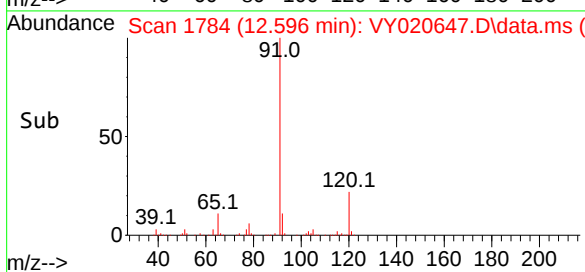
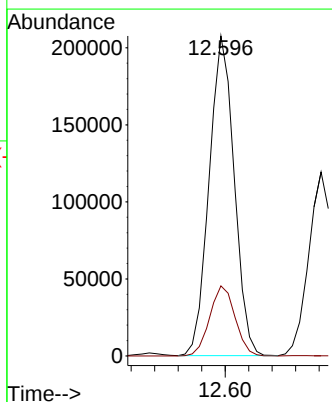
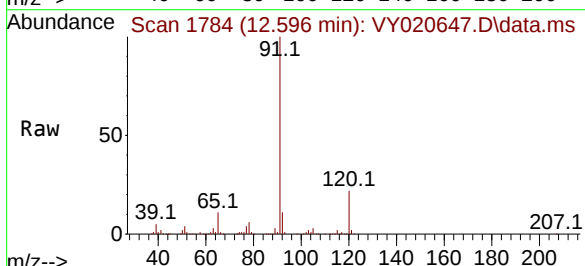
RT: 12.596 min Scan# 1784

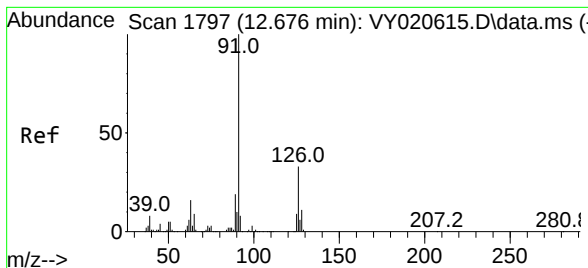
Delta R.T. -0.000 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 307113 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.2  | 11.1  | 33.1   |

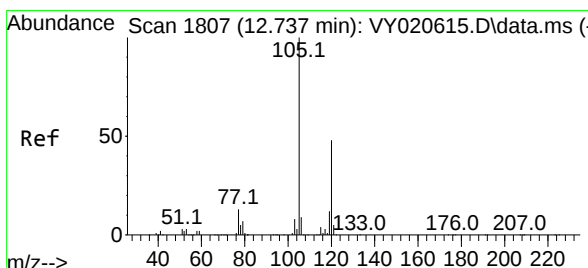
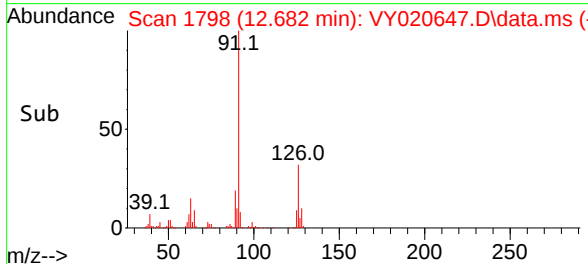
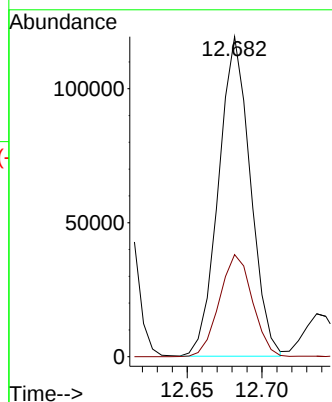
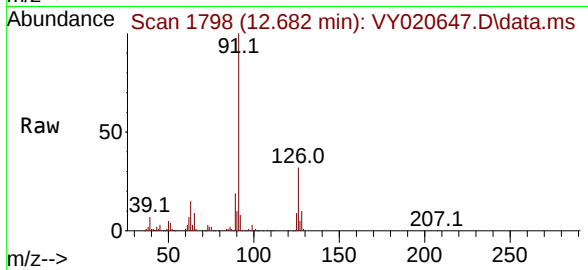




#79  
2-Chlorotoluene  
Concen: 21.424 ug/l  
RT: 12.682 min Scan# 1798  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

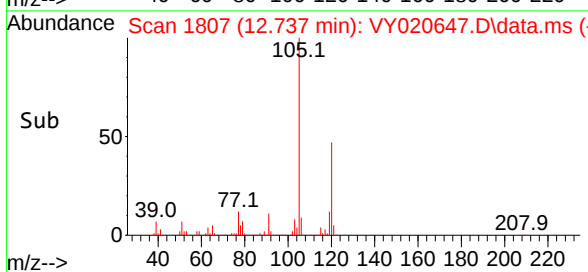
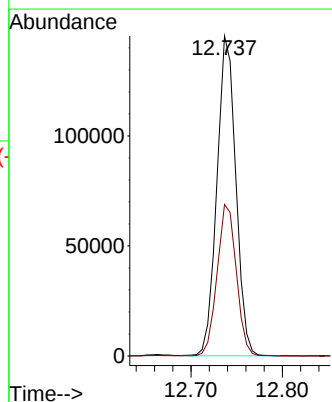
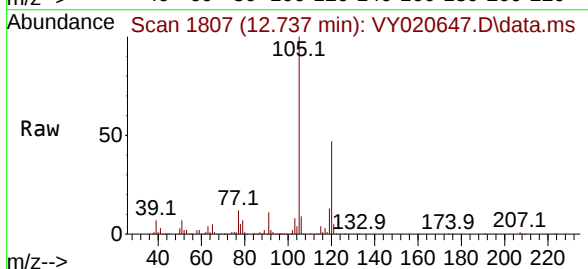
Instrument :  
MSVOA\_Y  
ClientSampleId :

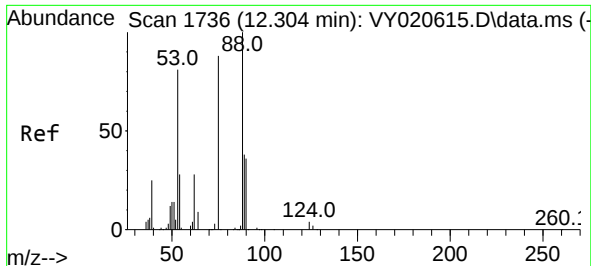
Tgt Ion: 91 Resp: 176449  
Ion Ratio Lower Upper  
91 100  
126 33.3 16.6 49.7



#80  
1,3,5-Trimethylbenzene  
Concen: 21.209 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion:105 Resp: 209105  
Ion Ratio Lower Upper  
105 100  
120 48.2 23.9 71.7

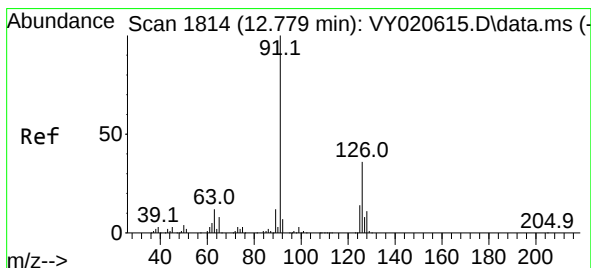
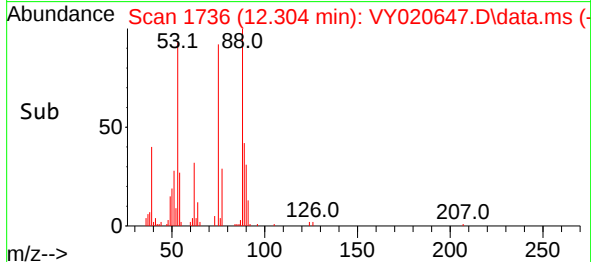
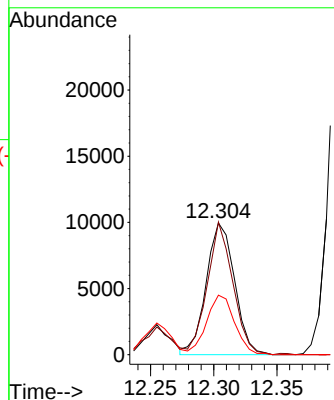
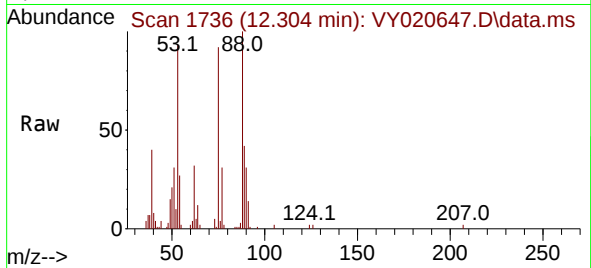




#81  
trans-1,4-Dichloro-2-butene  
Concen: 22.567 ug/l  
RT: 12.304 min Scan# 1736  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

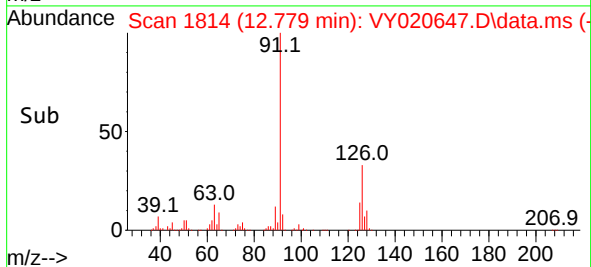
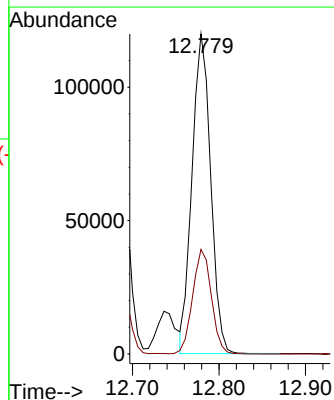
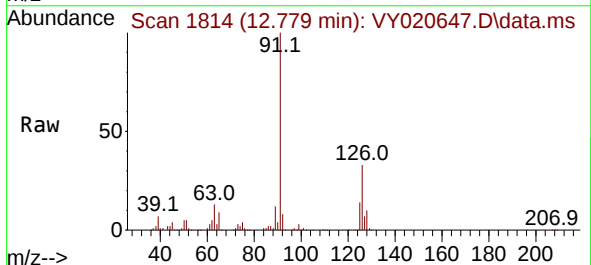
Instrument :  
MSVOA\_Y  
ClientSampleId :

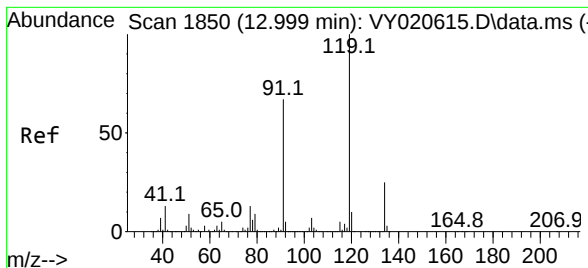
Tgt Ion: 75 Resp: 15550  
Ion Ratio Lower Upper  
75 100  
53 90.1 75.4 113.2  
89 44.4 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 20.951 ug/l  
RT: 12.779 min Scan# 1814  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 91 Resp: 179017  
Ion Ratio Lower Upper  
91 100  
126 32.9 16.6 49.7





#83

tert-Butylbenzene

Concen: 20.822 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

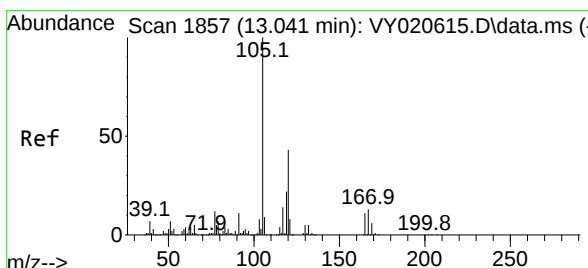
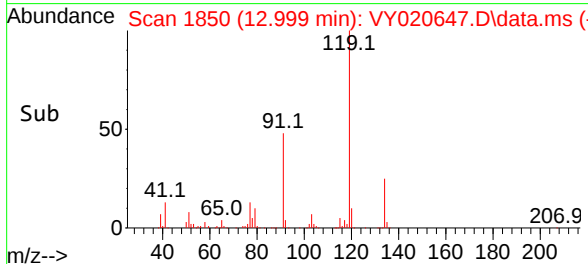
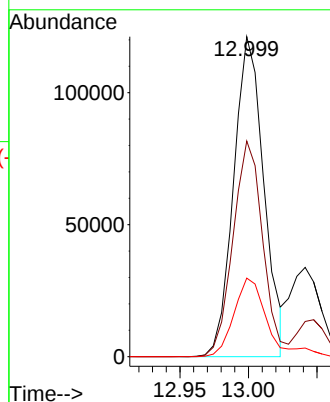
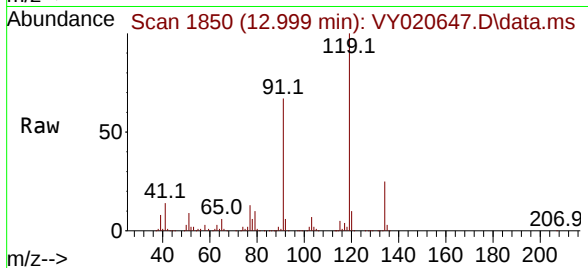
Tgt Ion:119 Resp: 185911

Ion Ratio Lower Upper

119 100

91 66.7 32.9 98.6

134 27.1 13.1 39.1



#84

1,2,4-Trimethylbenzene

Concen: 21.430 ug/l

RT: 13.047 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY020647.D

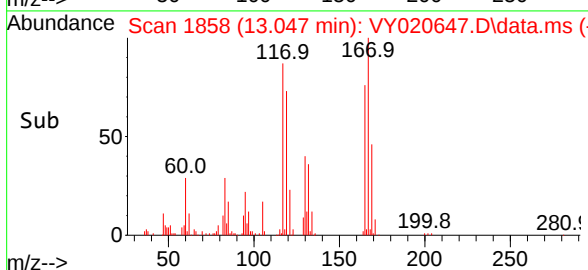
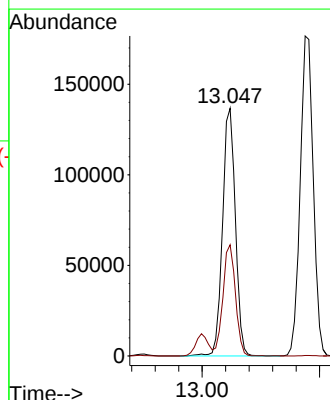
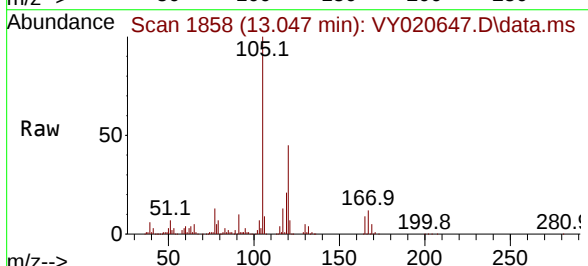
Acq: 19 Dec 2024 11:53

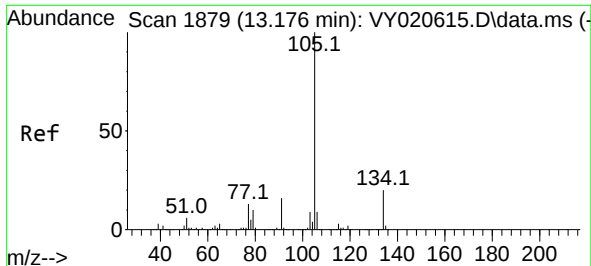
Tgt Ion:105 Resp: 207246

Ion Ratio Lower Upper

105 100

120 43.9 21.8 65.4

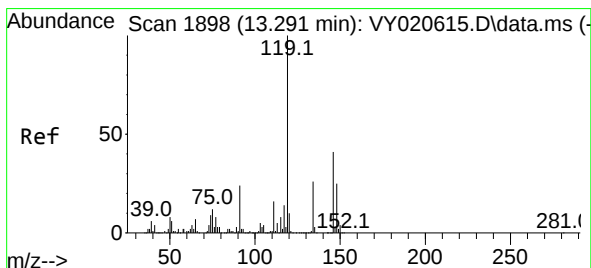
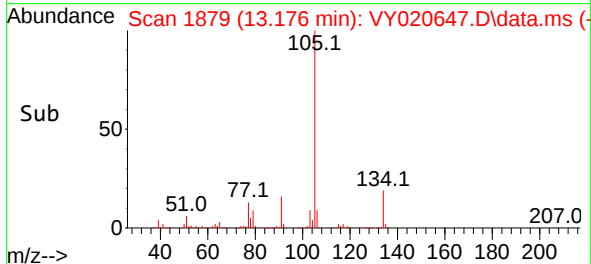
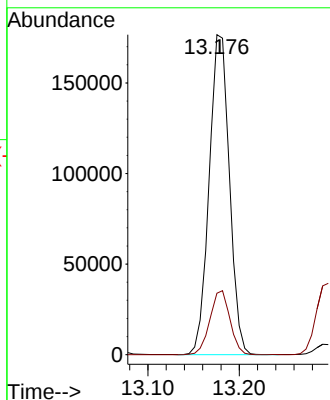
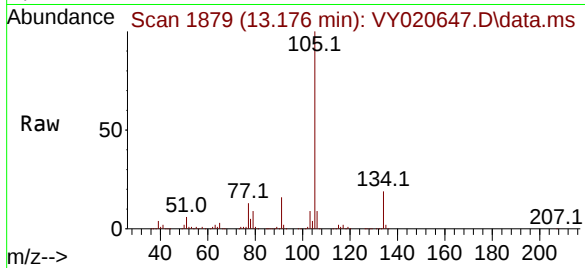




#85  
 sec-Butylbenzene  
 Concen: 20.926 ug/l  
 RT: 13.176 min Scan# 1879  
 Delta R.T. -0.000 min  
 Lab File: VY020647.D  
 Acq: 19 Dec 2024 11:53

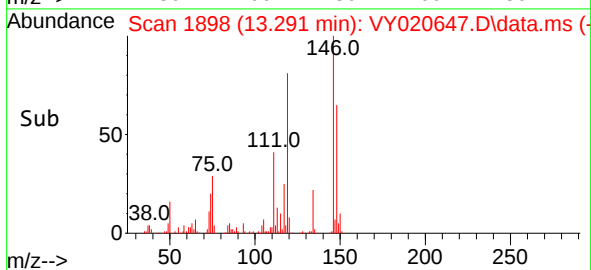
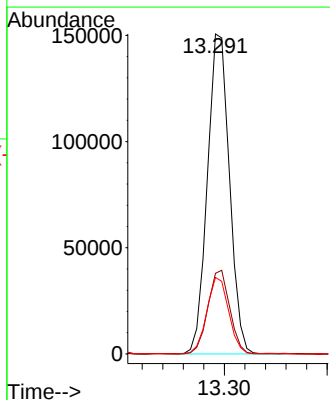
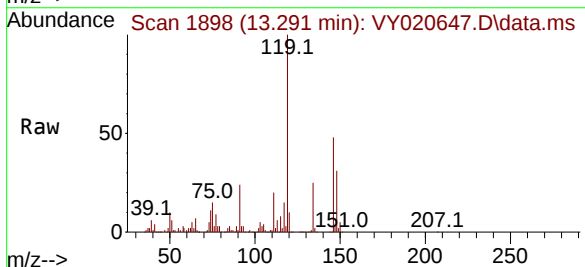
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

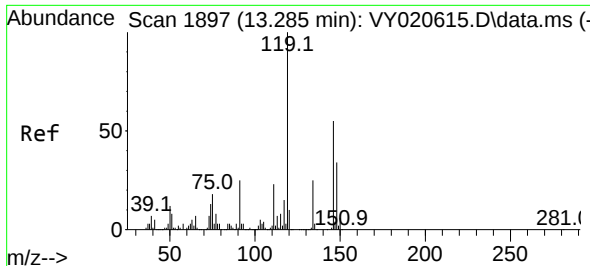
Tgt Ion:105 Resp: 271663  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 10.0 30.0



#86  
 p-Isopropyltoluene  
 Concen: 21.022 ug/l  
 RT: 13.291 min Scan# 1898  
 Delta R.T. -0.000 min  
 Lab File: VY020647.D  
 Acq: 19 Dec 2024 11:53

Tgt Ion:119 Resp: 225018  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 12.9 38.6  
 91 23.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.373 ug/l

RT: 13.291 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

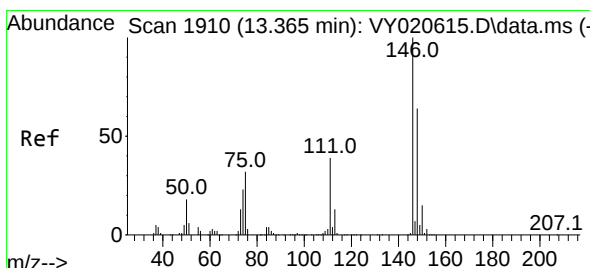
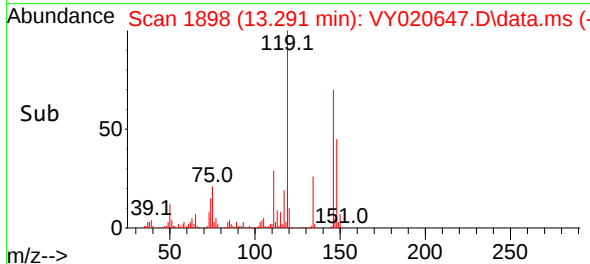
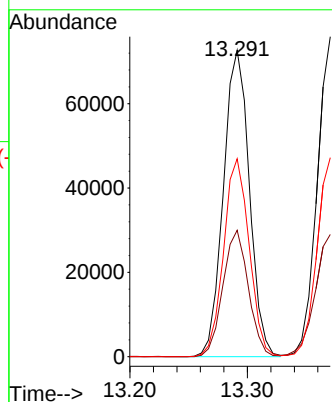
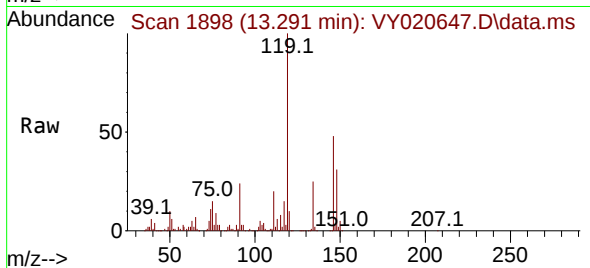
Tgt Ion:146 Resp: 111668

Ion Ratio Lower Upper

146 100

111 40.5 20.6 61.8

148 63.6 31.4 94.0



#88

1,4-Dichlorobenzene

Concen: 21.614 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

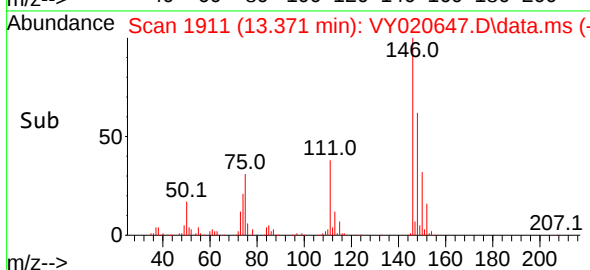
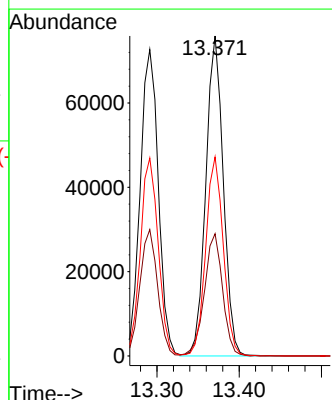
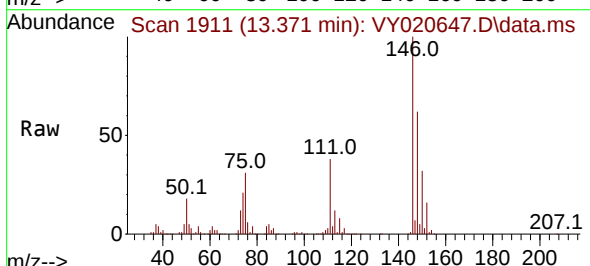
Tgt Ion:146 Resp: 111847

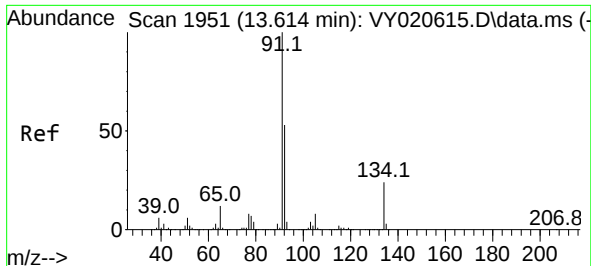
Ion Ratio Lower Upper

146 100

111 39.9 19.6 58.7

148 62.8 31.9 95.5

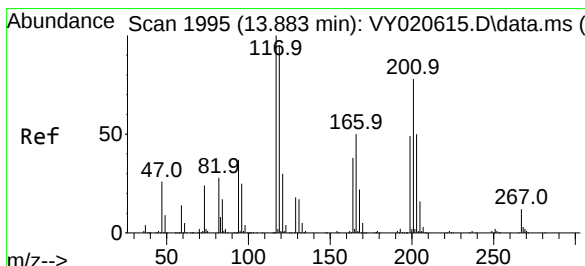
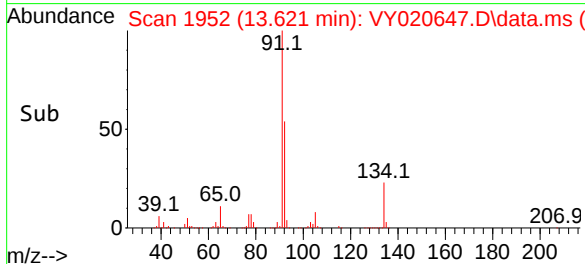
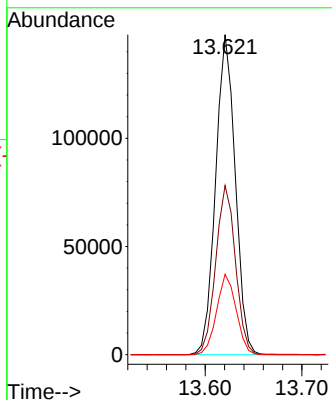
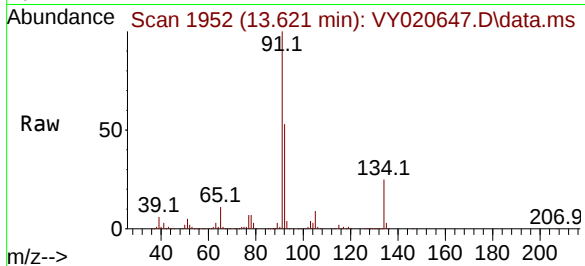




#89  
n-Butylbenzene  
Concen: 20.555 ug/l  
RT: 13.621 min Scan# 1952  
Delta R.T. 0.006 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

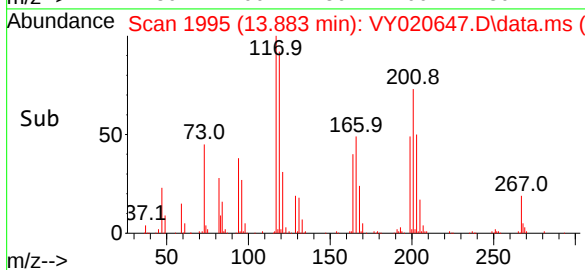
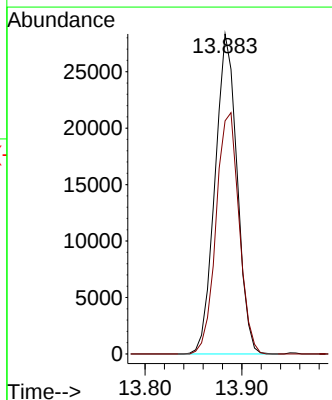
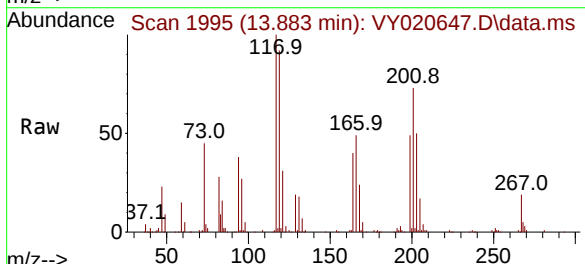
Instrument :  
MSVOA\_Y  
ClientSampleId :

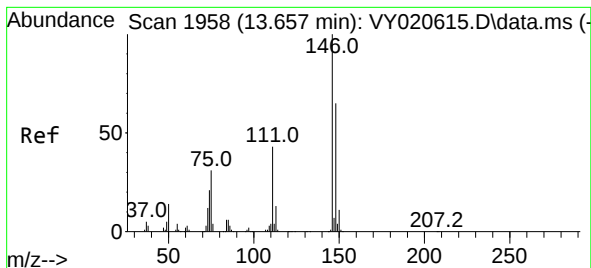
Tgt Ion: 91 Resp: 208511  
Ion Ratio Lower Upper  
91 100  
92 53.1 26.8 80.4  
134 25.0 12.5 37.5



#90  
Hexachloroethane  
Concen: 21.182 ug/l  
RT: 13.883 min Scan# 1995  
Delta R.T. -0.000 min  
Lab File: VY020647.D  
Acq: 19 Dec 2024 11:53

Tgt Ion: 117 Resp: 44930  
Ion Ratio Lower Upper  
117 100  
201 78.4 39.1 117.3





#91

1,2-Dichlorobenzene

Concen: 21.760 ug/l

RT: 13.663 min Scan# 1958

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

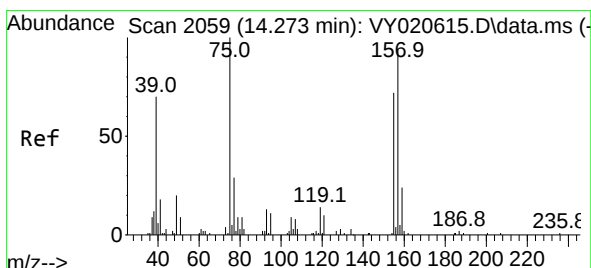
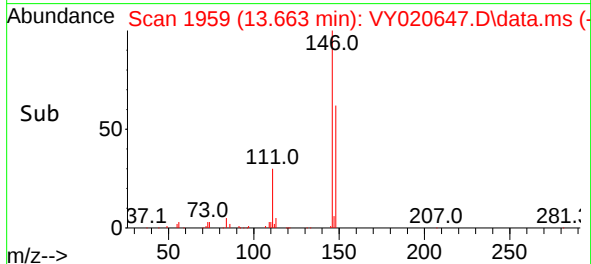
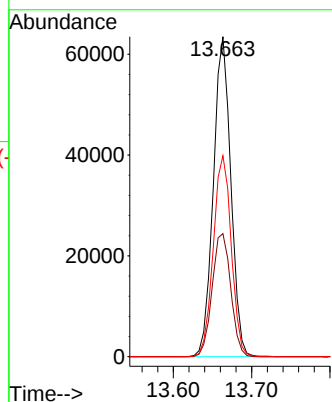
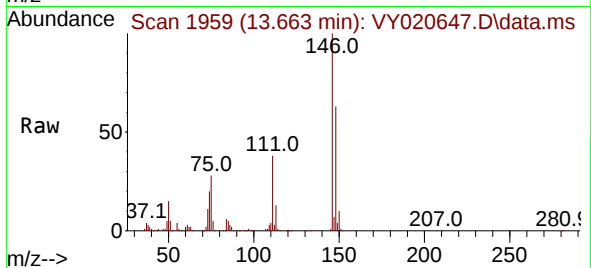
Tgt Ion:146 Resp: 98502

Ion Ratio Lower Upper

146 100

111 40.8 21.3 63.7

148 64.4 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.979 ug/l

RT: 14.279 min Scan# 2060

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

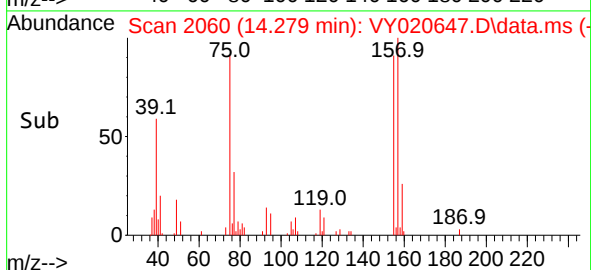
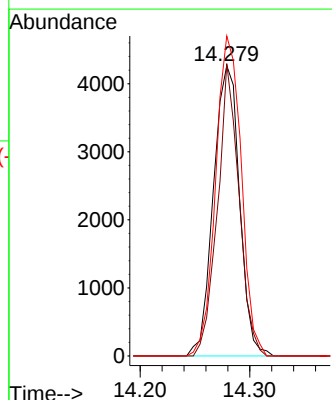
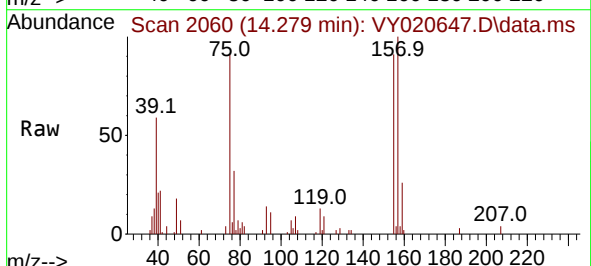
Tgt Ion: 75 Resp: 7038

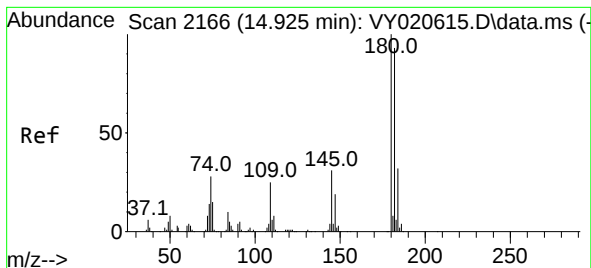
Ion Ratio Lower Upper

75 100

155 83.5 41.1 123.3

157 108.3 52.9 158.8





#93

1,2,4-Trichlorobenzene

Concen: 20.396 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. -0.000 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

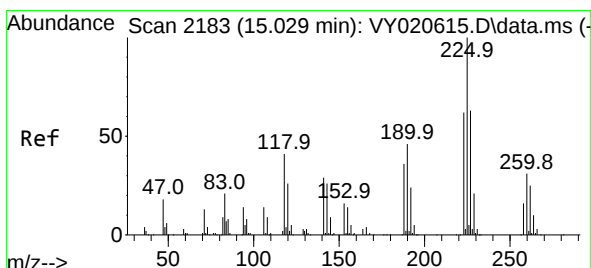
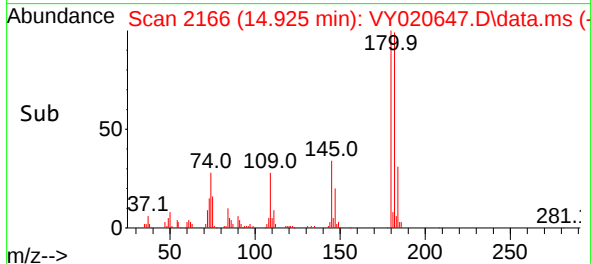
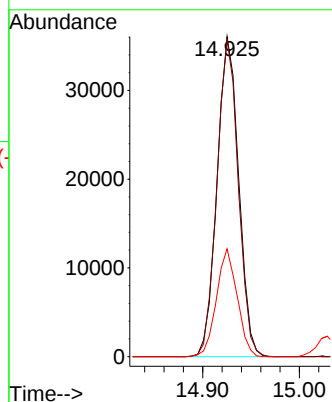
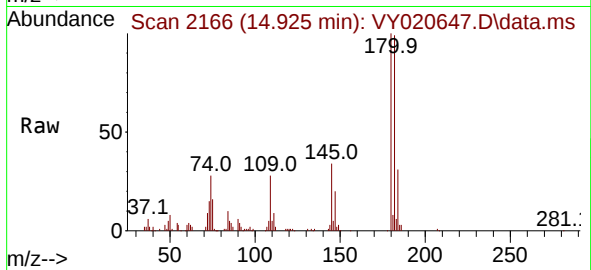
Tgt Ion:180 Resp: 55848

Ion Ratio Lower Upper

180 100

182 97.5 47.9 143.6

145 32.3 15.6 46.7



#94

Hexachlorobutadiene

Concen: 20.546 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. -0.000 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

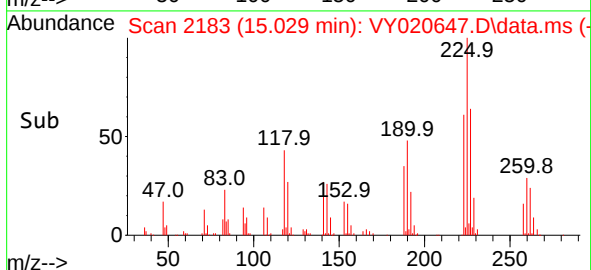
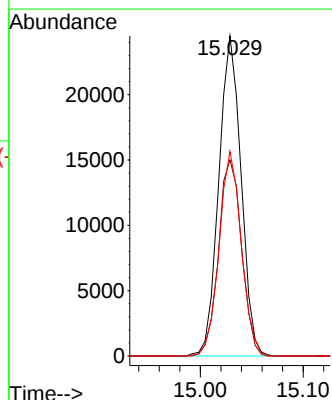
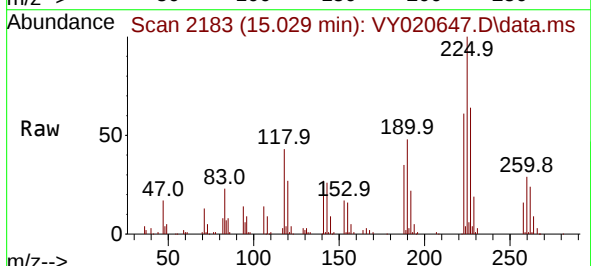
Tgt Ion:225 Resp: 36777

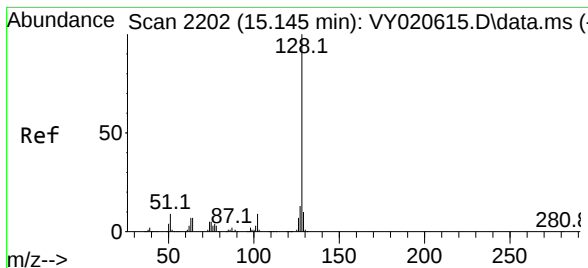
Ion Ratio Lower Upper

225 100

223 63.4 31.8 95.3

227 63.7 32.2 96.6





#95

Naphthalene

Concen: 21.370 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

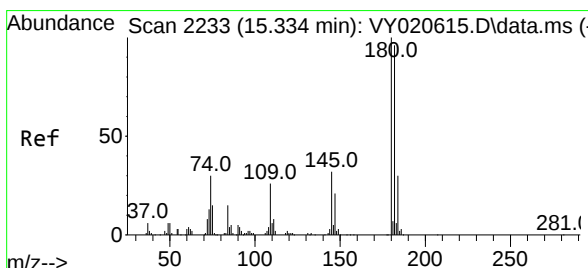
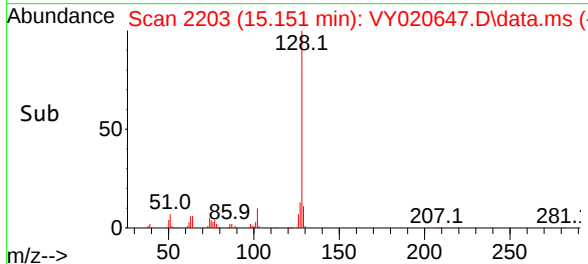
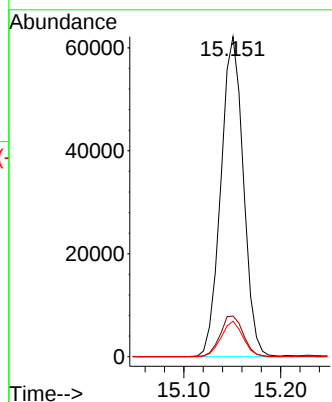
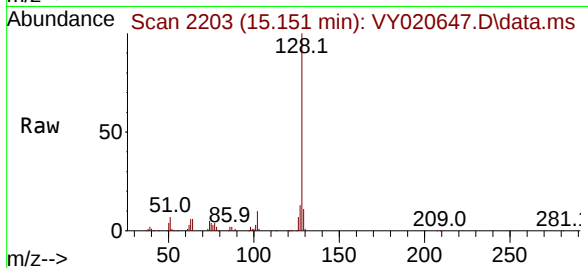
Tgt Ion:128 Resp: 100318

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

129 10.8 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 21.109 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY020647.D

Acq: 19 Dec 2024 11:53

Tgt Ion:180 Resp: 48835

Ion Ratio Lower Upper

180 100

182 94.0 47.3 141.9

145 32.6 16.0 48.0

