

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112223\  
 Data File : VY016453.D  
 Acq On : 22 Nov 2023 10:57  
 Operator : SY/MD  
 Sample : VY1122SBS02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 23 04:04:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 155644   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.703  | 114  | 246619   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 216820   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 106254   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 71391    | 50.186   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 100.380% |      |
| 35) Dibromofluoromethane    | 7.728  | 113   | 77062    | 55.007   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.020% |      |
| 50) Toluene-d8              | 10.191 | 98    | 291542   | 51.317   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 102.640% |      |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 97360    | 52.765   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 105.540% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 35527  | 23.311  | ug/l   | 96  |
| 3) Chloromethane             | 2.119 | 50  | 35602  | 19.947  | ug/l   | 95  |
| 4) Vinyl Chloride            | 2.259 | 62  | 38092  | 19.847  | ug/l   | 95  |
| 5) Bromomethane              | 2.656 | 94  | 26525  | 21.030  | ug/l   | 97  |
| 6) Chloroethane              | 2.802 | 64  | 24383  | 19.910  | ug/l   | 91  |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 62852  | 22.509  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.540 | 74  | 18545  | 22.222  | ug/l   | 79  |
| 9) 1,1,2-Trichlorotrifluo... | 3.912 | 101 | 35202  | 20.931  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.107 | 142 | 40418  | 22.252  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.966 | 59  | 12792  | 114.835 | ug/l # | 84  |
| 12) 1,1-Dichloroethene       | 3.887 | 96  | 34162  | 21.720  | ug/l   | 86  |
| 13) Acrolein                 | 3.735 | 56  | 10927  | 81.325  | ug/l   | 100 |
| 14) Allyl chloride           | 4.491 | 41  | 42832  | 19.190  | ug/l # | 90  |
| 15) Acrylonitrile            | 5.174 | 53  | 35292  | 106.561 | ug/l   | 96  |
| 16) Acetone                  | 3.960 | 43  | 38109  | 161.957 | ug/l # | 88  |
| 17) Carbon Disulfide         | 4.210 | 76  | 102809 | 21.664  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.485 | 43  | 24645  | 19.711  | ug/l # | 84  |
| 19) Methyl tert-butyl Ether  | 5.234 | 73  | 80955  | 21.266  | ug/l   | 97  |
| 20) Methylene Chloride       | 4.729 | 84  | 49531  | 28.286  | ug/l # | 83  |
| 21) trans-1,2-Dichloroethene | 5.241 | 96  | 39306  | 21.705  | ug/l   | 90  |
| 22) Diisopropyl ether        | 6.131 | 45  | 92427  | 19.215  | ug/l # | 89  |
| 23) Vinyl Acetate            | 6.076 | 43  | 227221 | 97.489  | ug/l # | 88  |
| 24) 1,1-Dichloroethane       | 6.033 | 63  | 60390  | 20.351  | ug/l # | 93  |
| 25) 2-Butanone               | 6.996 | 43  | 51477  | 124.900 | ug/l   | 90  |
| 26) 2,2-Dichloropropane      | 6.996 | 77  | 57630  | 21.338  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.002 | 96  | 42306  | 21.677  | ug/l   | 88  |
| 28) Bromochloromethane       | 7.344 | 49  | 21227  | 19.328  | ug/l # | 75  |
| 29) Tetrahydrofuran          | 7.362 | 42  | 26803  | 98.390  | ug/l # | 79  |
| 30) Chloroform               | 7.521 | 83  | 65507  | 21.208  | ug/l   | 95  |
| 31) Cyclohexane              | 7.801 | 56  | 54759  | 19.552  | ug/l # | 83  |
| 32) 1,1,1-Trichloroethane    | 7.716 | 97  | 61910  | 21.865  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 7.935 | 75  | 51019  | 20.973  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.094 | 43  | 20123  | 20.473  | ug/l # | 90  |
| 38) Carbon Tetrachloride     | 7.917 | 117 | 58150  | 23.032  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.197 | 83  | 64369  | 21.236  | ug/l   | 90  |
| 40) Benzene                  | 8.173 | 78  | 148625 | 21.746  | ug/l   | 99  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112223\  
 Data File : VY016453.D  
 Acq On : 22 Nov 2023 10:57  
 Operator : SY/MD  
 Sample : VY1122SBS02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 23 04:04:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.319  | 41   | 10524    | 21.235  | ug/l # | 87       |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 38491    | 21.736  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.283  | 43   | 37157    | 19.557  | ug/l # | 85       |
| 44) Trichloroethene           | 8.953  | 130  | 43420    | 22.105  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.228  | 63   | 34625    | 21.095  | ug/l   | 94       |
| 46) Dibromomethane            | 9.319  | 93   | 19840    | 22.305  | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.508  | 83   | 50253    | 21.976  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.301  | 41   | 20626    | 19.643  | ug/l # | 80       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 4280     | 453.246 | ug/l # | 63       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 97931    | 101.932 | ug/l # | 87       |
| 52) Toluene                   | 10.252 | 92   | 94918    | 21.970  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.477 | 75   | 47564    | 21.456  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 9.941  | 75   | 57829    | 21.841  | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 27821    | 22.693  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 24993    | 21.597  | ug/l # | 78       |
| 57) 1,3-Dichloropropane       | 10.801 | 76   | 46341    | 22.175  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.795  | 63   | 75648    | 96.403  | ug/l   | 91       |
| 59) 2-Hexanone                | 10.843 | 43   | 81684    | 114.303 | ug/l   | 83       |
| 60) Dibromochloromethane      | 10.996 | 129  | 36270    | 23.656  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.099 | 107  | 26998    | 23.115  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.727 | 164  | 44460    | 22.837  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.526 | 112  | 101897   | 21.997  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 38259    | 22.392  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.599 | 91   | 180143   | 21.638  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.709 | 106  | 139885   | 44.300  | ug/l   | 92       |
| 69) o-Xylene                  | 12.038 | 106  | 65283    | 22.267  | ug/l   | 95       |
| 70) Styrene                   | 12.050 | 104  | 94060    | 22.406  | ug/l   | 98       |
| 71) Bromoform                 | 12.221 | 173  | 21222    | 23.937  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.337 | 105  | 176786   | 20.546  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.154 | 43   | 31284    | 18.101  | ug/l # | 83       |
| 75) 1,1,2,2-Tetrachloroethane | 12.593 | 83   | 28407    | 20.575  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 38239    | 37.516  | ug/l # | 100      |
| 77) Bromobenzene              | 12.617 | 156  | 41685    | 21.436  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.678 | 91   | 204243   | 20.086  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 115748   | 20.655  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.819 | 105  | 145598   | 20.988  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 9787     | 20.842  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 118859   | 20.527  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.087 | 119  | 129329   | 21.166  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.129 | 105  | 143323   | 20.982  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.264 | 105  | 179171   | 20.525  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.379 | 119  | 157487   | 20.952  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 79968    | 21.375  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.459 | 146  | 79369    | 21.707  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.709 | 91   | 141557   | 20.392  | ug/l   | 96       |
| 90) Hexachloroethane          | 13.971 | 117  | 30021    | 20.704  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.751 | 146  | 70808    | 22.087  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.367 | 75   | 4616     | 21.014  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.019 | 180  | 41157    | 21.994  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.123 | 225  | 25896    | 24.155  | ug/l   | 98       |
| 95) Naphthalene               | 15.245 | 128  | 75124    | 22.446  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.434 | 180  | 35219    | 22.754  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112223\  
Data File : VY016453.D  
Acq On : 22 Nov 2023 10:57  
Operator : SY/MD  
Sample : VY1122SBSD02  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

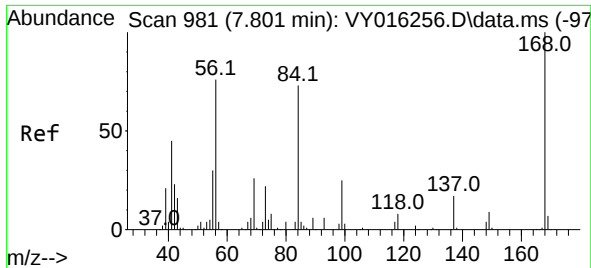
Quant Time: Nov 23 04:04:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:45:52 2023  
Response via : Initial Calibration

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

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

Quant Time: Nov 23 04:04:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:45:52 2023  
Response via : Initial Calibration

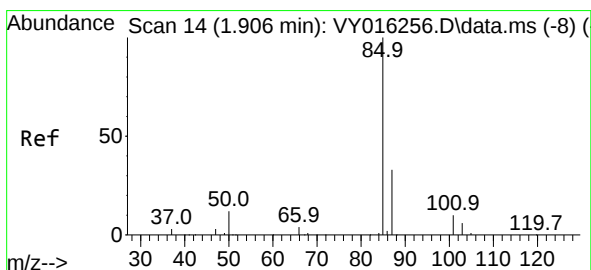
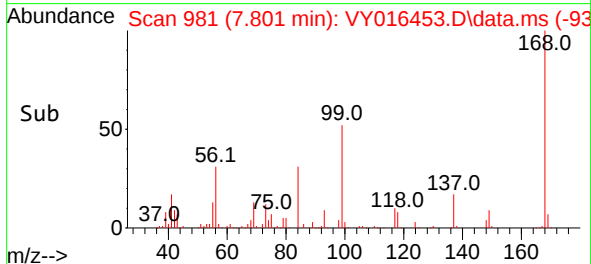
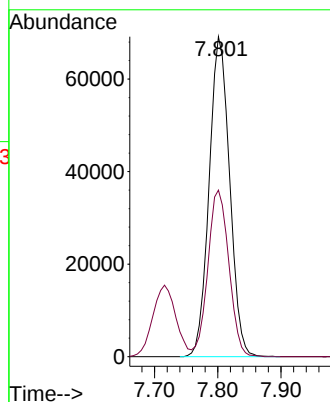
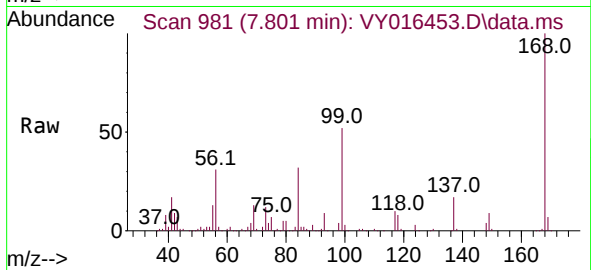




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

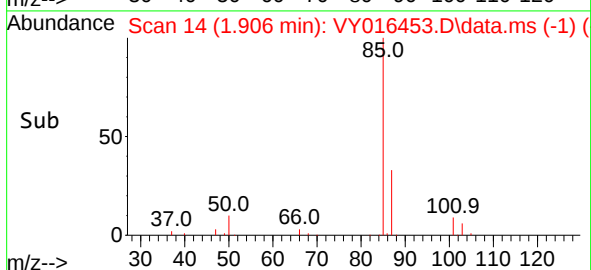
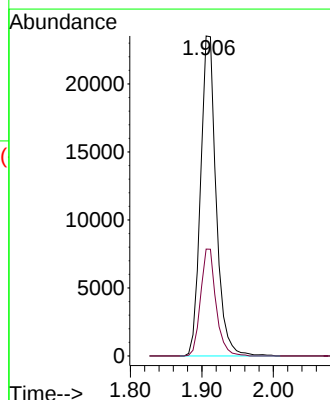
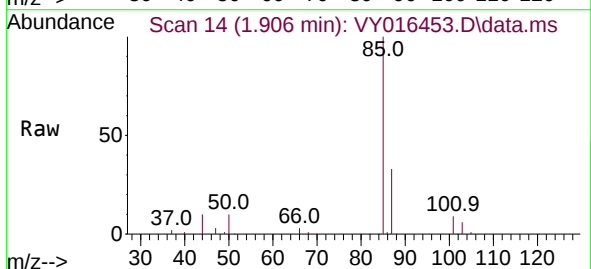
Instrument :  
MSVOA\_Y  
ClientSampleId :

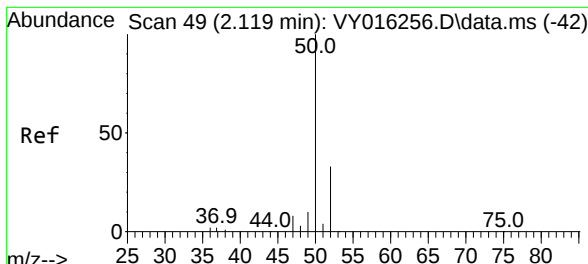
Tgt Ion:168 Resp: 155644  
Ion Ratio Lower Upper  
168 100  
99 52.0 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 23.311 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 85 Resp: 35527  
Ion Ratio Lower Upper  
85 100  
87 33.4 15.6 46.8

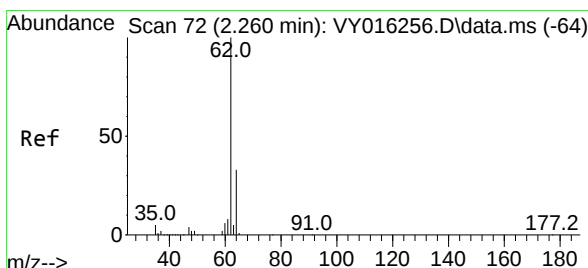
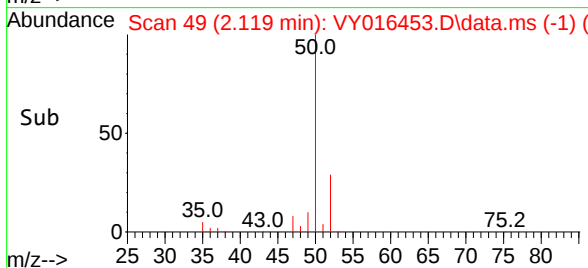
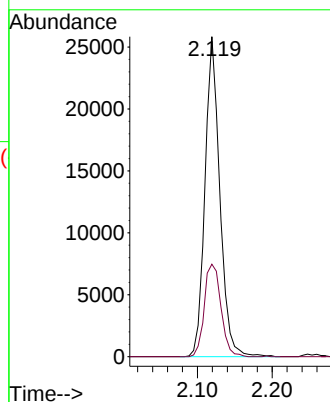
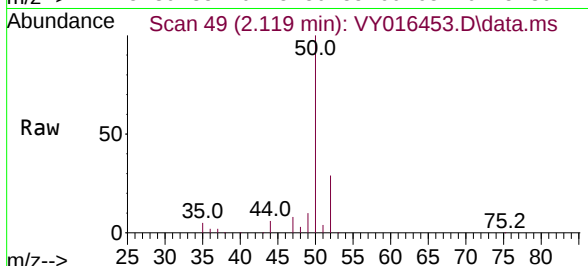




#3  
Chloromethane  
Concen: 19.947 ug/l  
RT: 2.119 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

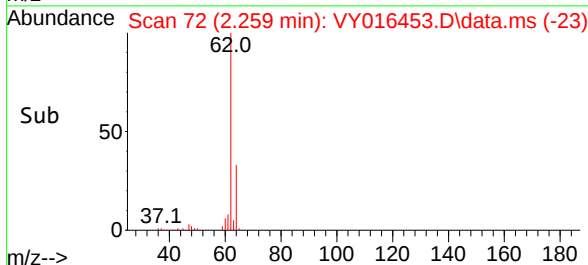
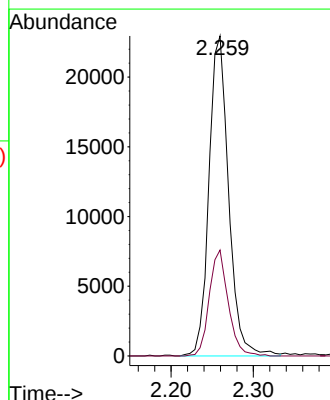
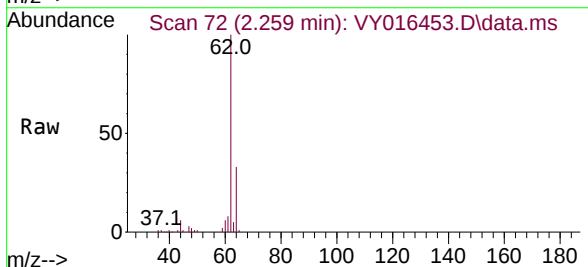
Instrument :  
MSVOA\_Y  
ClientSampleId :

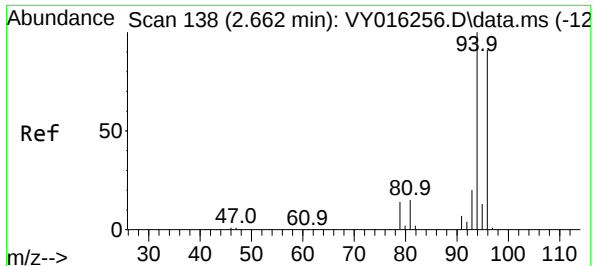
Tgt Ion: 50 Resp: 35602  
Ion Ratio Lower Upper  
50 100  
52 28.9 25.4 38.2



#4  
Vinyl Chloride  
Concen: 19.847 ug/l  
RT: 2.259 min Scan# 72  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 62 Resp: 38092  
Ion Ratio Lower Upper  
62 100  
64 33.1 24.3 36.5

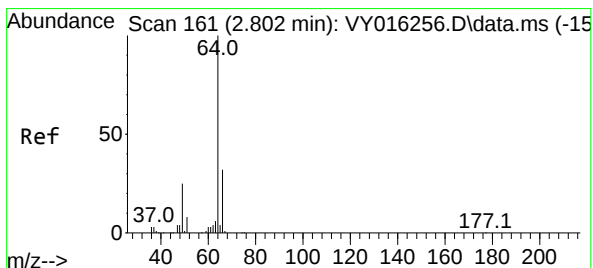
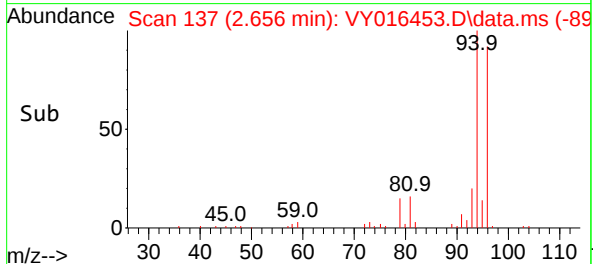
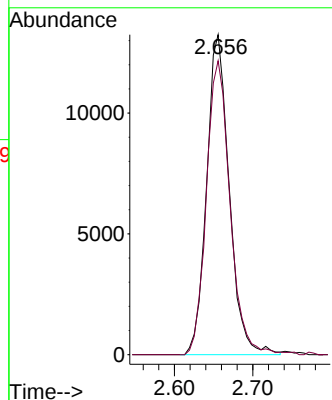
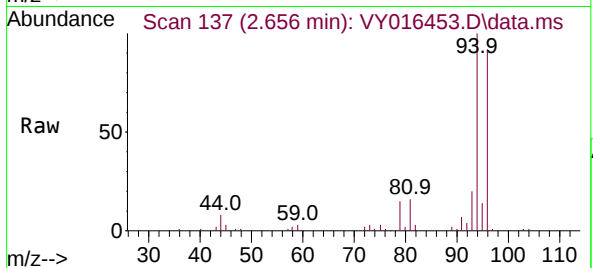




#5  
Bromomethane  
Concen: 21.030 ug/l  
RT: 2.656 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

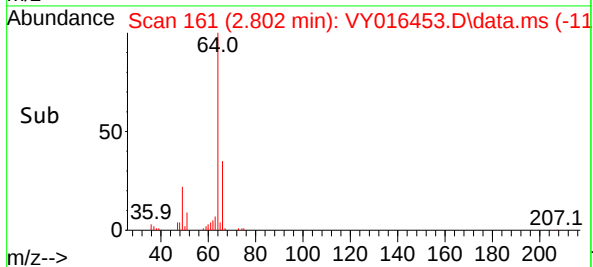
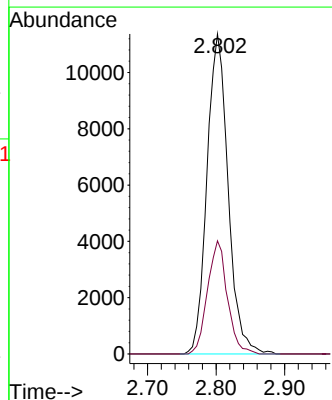
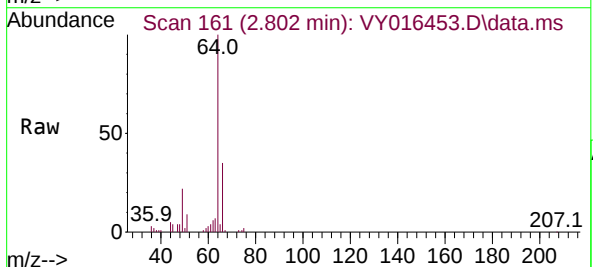
Instrument :  
MSVOA\_Y  
ClientSampleId :

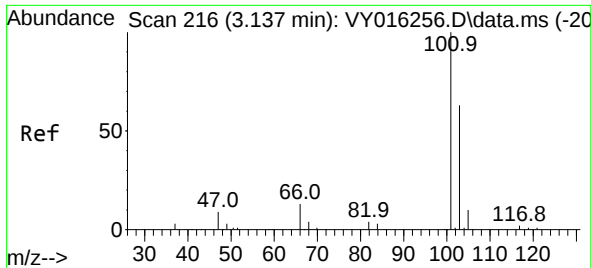
Tgt Ion: 94 Resp: 26525  
Ion Ratio Lower Upper  
94 100  
96 91.9 75.8 113.6



#6  
Chloroethane  
Concen: 19.910 ug/l  
RT: 2.802 min Scan# 161  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

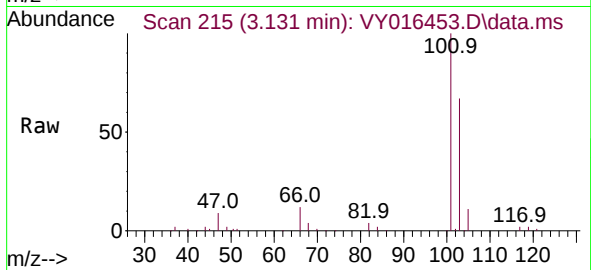
Tgt Ion: 64 Resp: 24383  
Ion Ratio Lower Upper  
64 100  
66 35.4 24.4 36.6



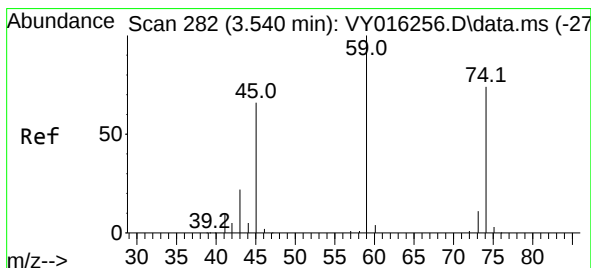
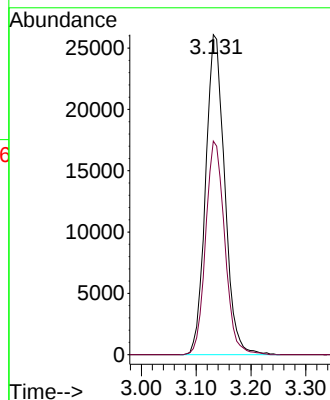
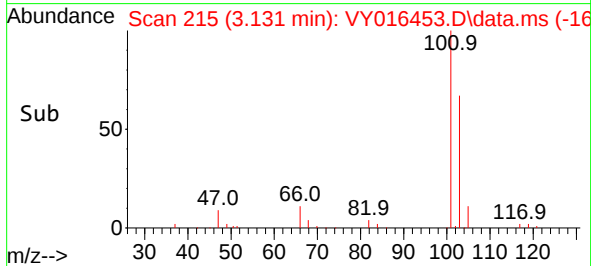


#7  
 Trichlorofluoromethane  
 Concen: 22.509 ug/l  
 RT: 3.131 min Scan# 216  
 Delta R.T. -0.006 min  
 Lab File: VY016453.D  
 Acq: 22 Nov 2023 10:57

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

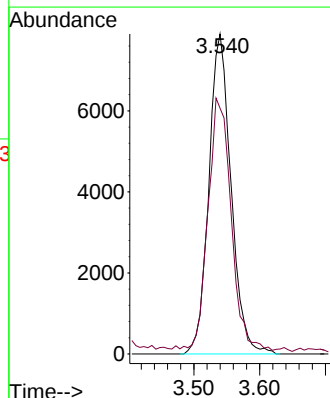
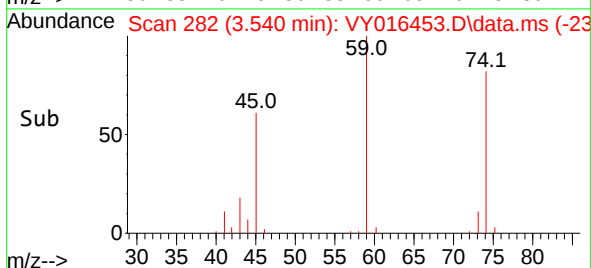
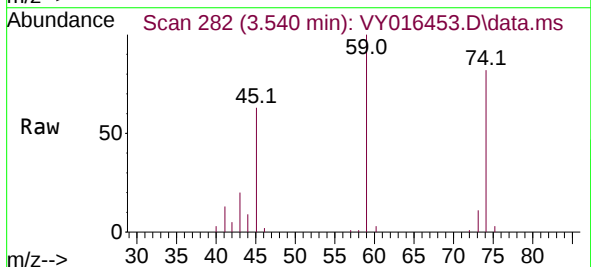


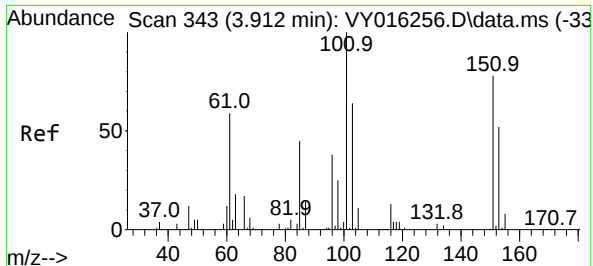
Tgt Ion:101 Resp: 62852  
 Ion Ratio Lower Upper  
 101 100  
 103 66.8 51.4 77.0



#8  
 Diethyl Ether  
 Concen: 22.222 ug/l  
 RT: 3.540 min Scan# 282  
 Delta R.T. -0.000 min  
 Lab File: VY016453.D  
 Acq: 22 Nov 2023 10:57

Tgt Ion: 74 Resp: 18545  
 Ion Ratio Lower Upper  
 74 100  
 45 81.5 51.5 154.5

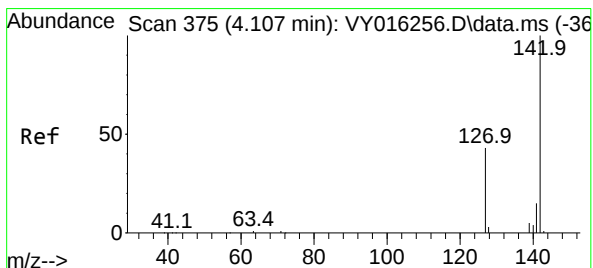
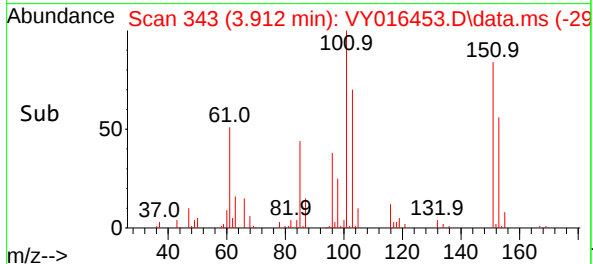
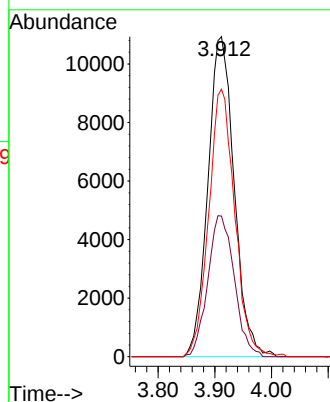
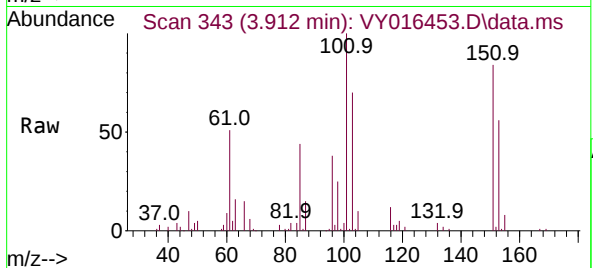




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.931 ug/l  
RT: 3.912 min Scan# 343  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

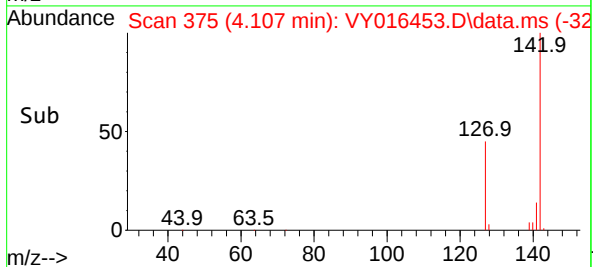
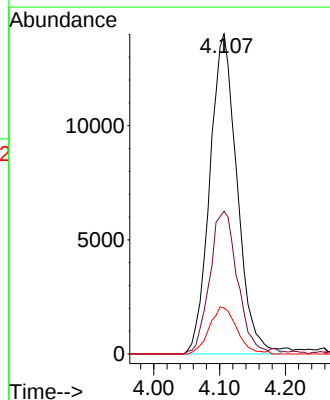
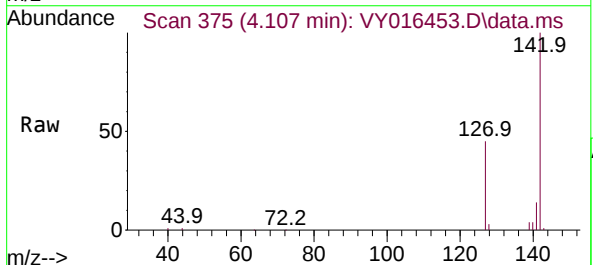
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:101 Resp: 35202  
Ion Ratio Lower Upper  
101 100  
85 44.3 36.6 55.0  
151 82.9 67.0 100.6



#10  
Methyl Iodide  
Concen: 22.252 ug/l  
RT: 4.107 min Scan# 375  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion:142 Resp: 40418  
Ion Ratio Lower Upper  
142 100  
127 45.4 37.6 56.4  
141 14.8 11.8 17.8





#11

Tert butyl alcohol

Concen: 114.835 ug/l

RT: 4.966 min Scan# 517

Delta R.T. -0.006 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

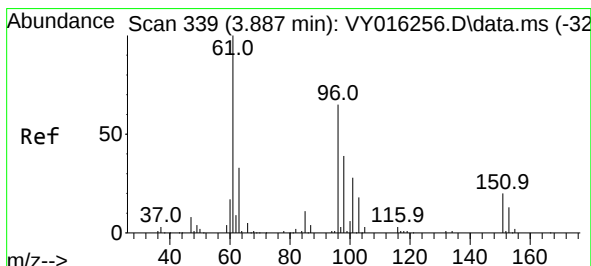
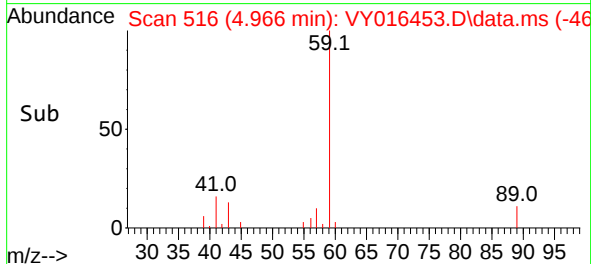
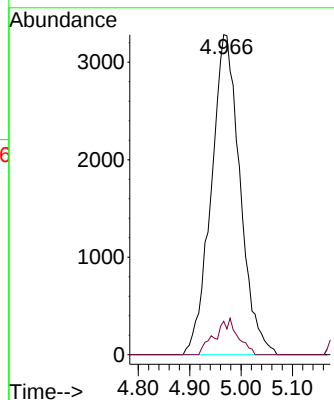
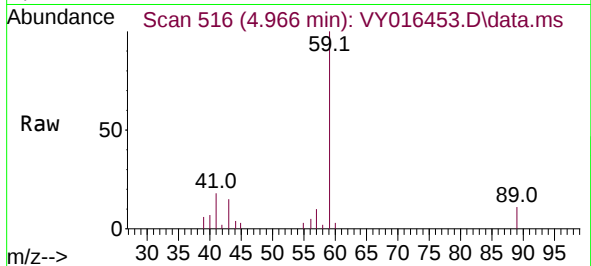
ClientSampleId :

Tgt Ion: 59 Resp: 12792

Ion Ratio Lower Upper

59 100

57 9.0 3.0 4.4#



#12

1,1-Dichloroethene

Concen: 21.720 ug/l

RT: 3.887 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

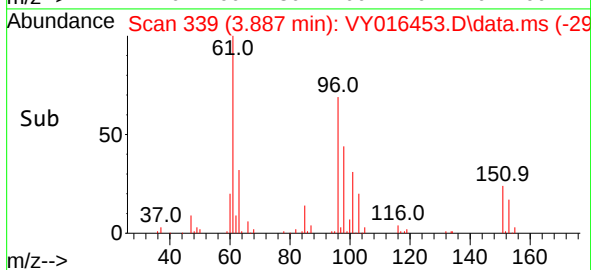
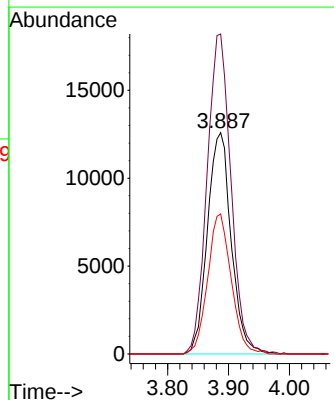
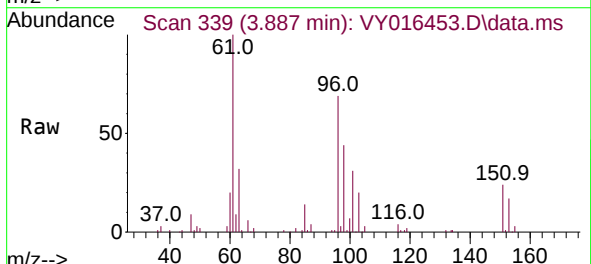
Tgt Ion: 96 Resp: 34162

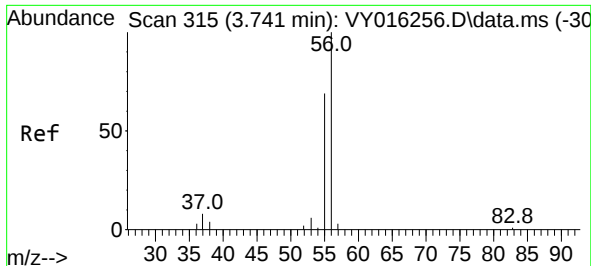
Ion Ratio Lower Upper

96 100

61 144.6 136.4 204.6

98 63.2 49.4 74.2





#13

Acrolein

Concen: 81.325 ug/l

RT: 3.735 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

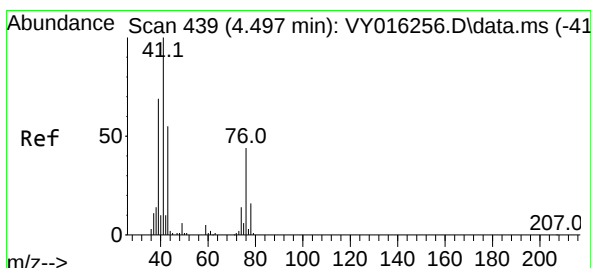
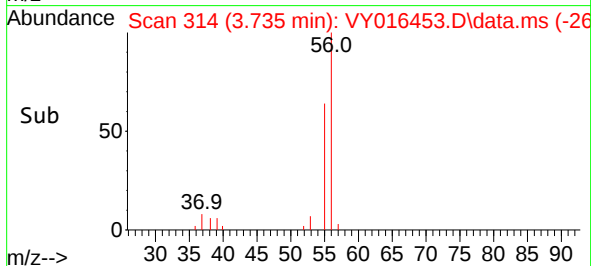
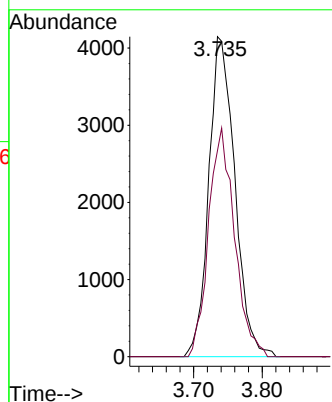
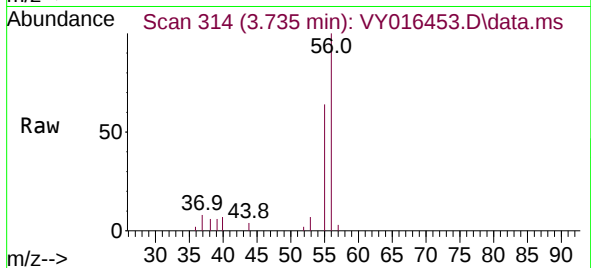
ClientSampleId :

Tgt Ion: 56 Resp: 10927

Ion Ratio Lower Upper

56 100

55 71.3 57.0 85.4



#14

Allyl chloride

Concen: 19.190 ug/l

RT: 4.491 min Scan# 438

Delta R.T. -0.006 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

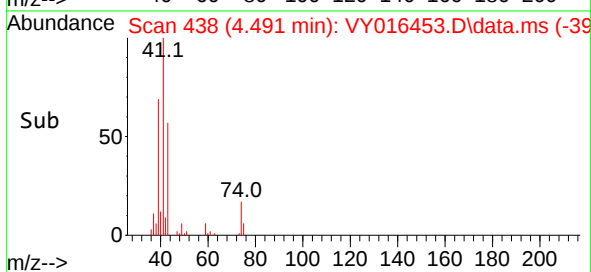
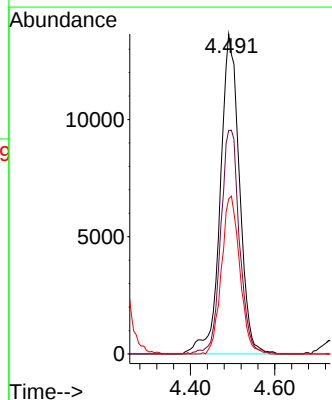
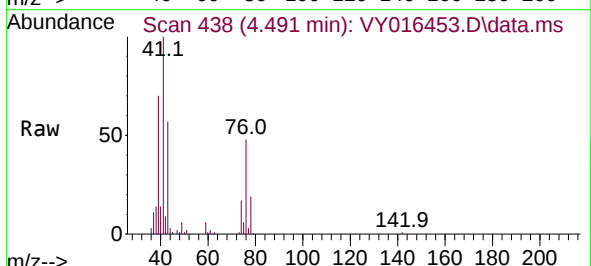
Tgt Ion: 41 Resp: 42832

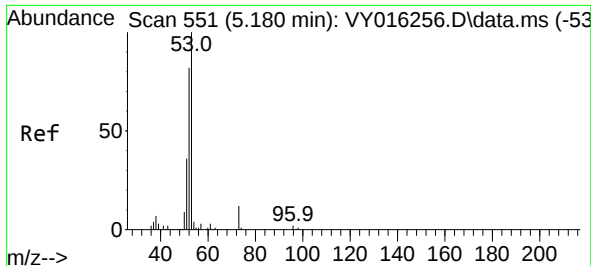
Ion Ratio Lower Upper

41 100

39 68.7 58.0 87.0

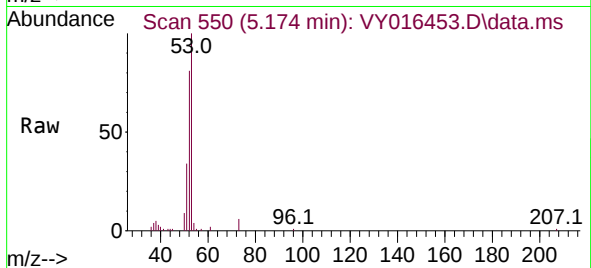
76 47.3 27.4 41.2#





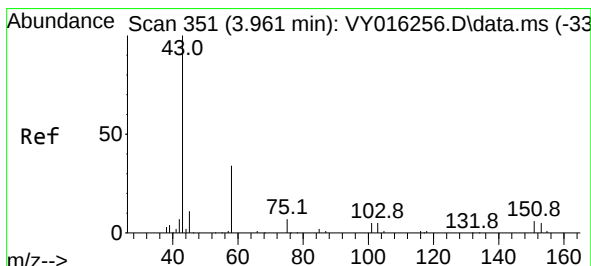
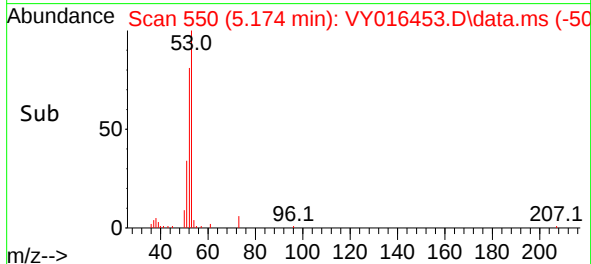
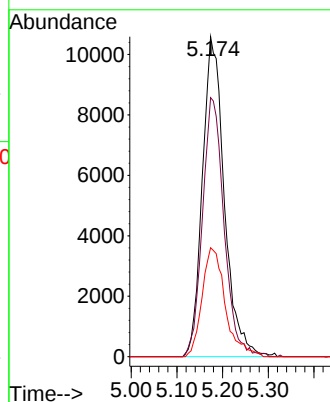
#15  
Acrylonitrile  
Concen: 106.561 ug/l  
RT: 5.174 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 53 Resp: 35292

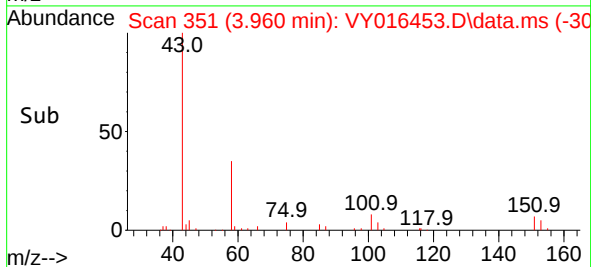
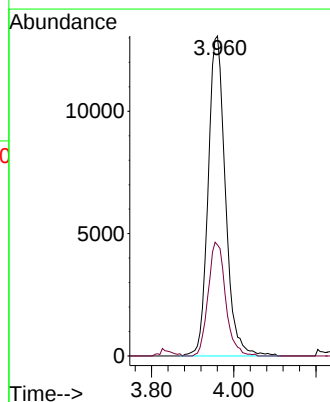
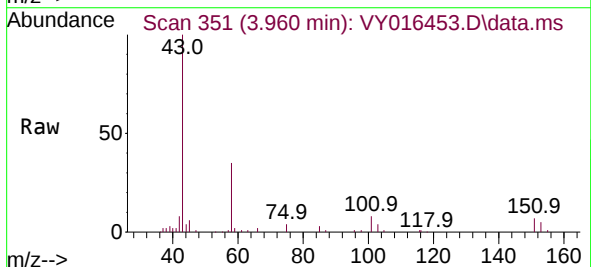
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 79.4  | 66.9  | 100.3 |
| 51  | 35.9  | 29.8  | 44.6  |

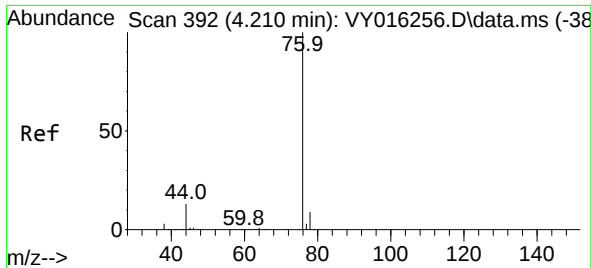


#16  
Acetone  
Concen: 161.957 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 43 Resp: 38109

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 34.7  | 22.7  | 34.1# |

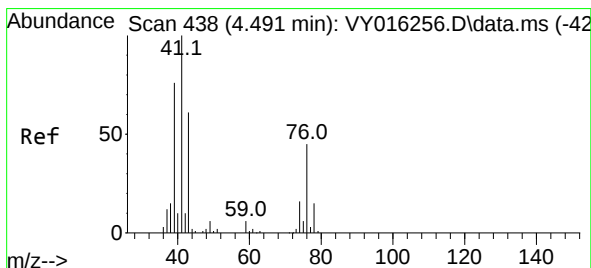
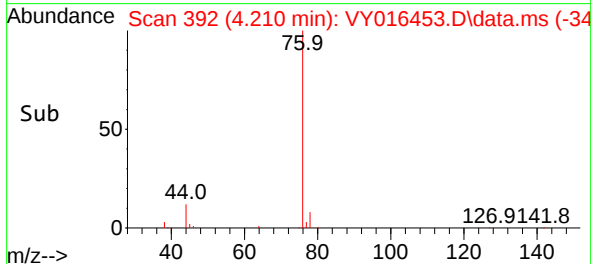
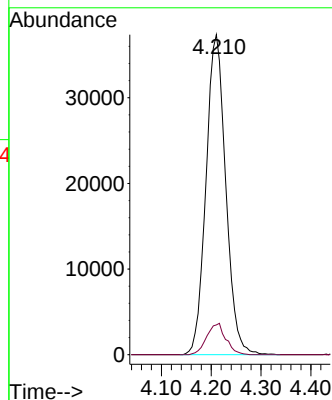
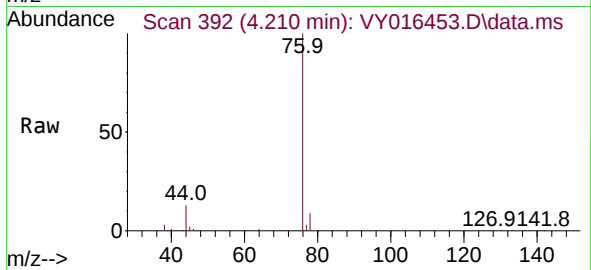




#17  
Carbon Disulfide  
Concen: 21.664 ug/l  
RT: 4.210 min Scan# 392  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

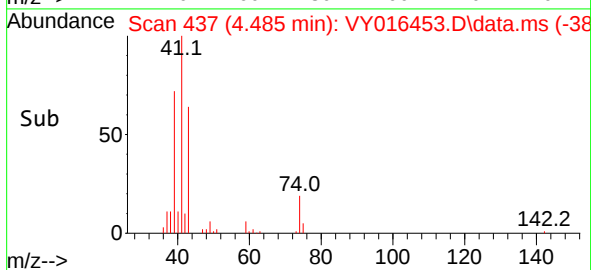
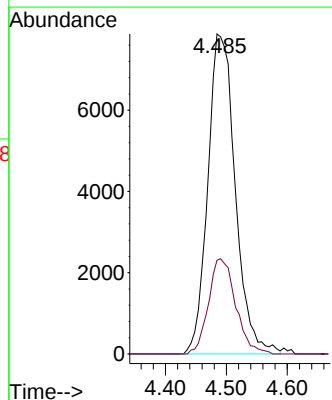
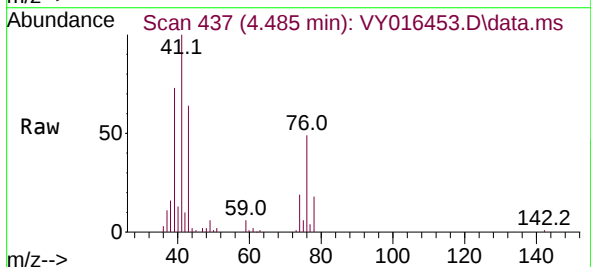
Instrument :  
MSVOA\_Y  
ClientSampleId :

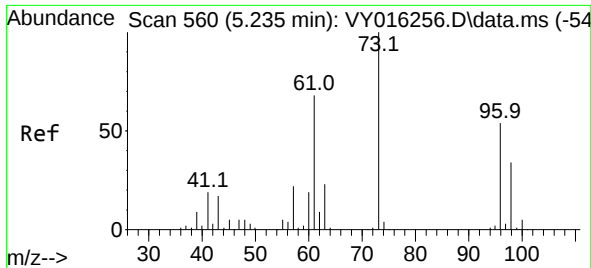
Tgt Ion: 76 Resp: 102809  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.0 10.4



#18  
Methyl Acetate  
Concen: 19.711 ug/l  
RT: 4.485 min Scan# 437  
Delta R.T. -0.006 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 43 Resp: 24645  
Ion Ratio Lower Upper  
43 100  
74 29.4 17.4 26.0#

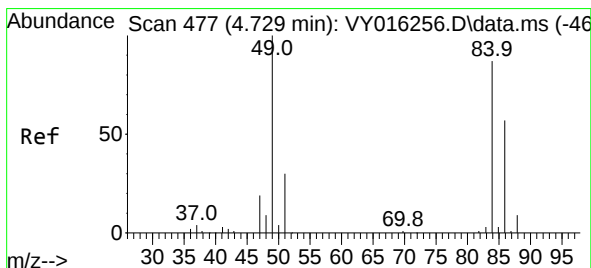
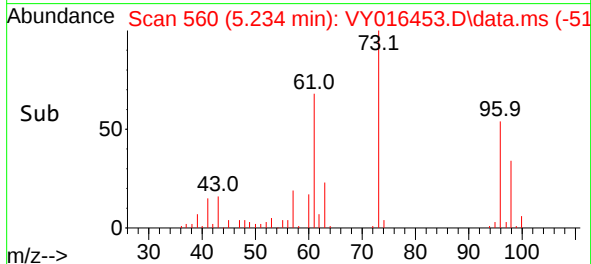
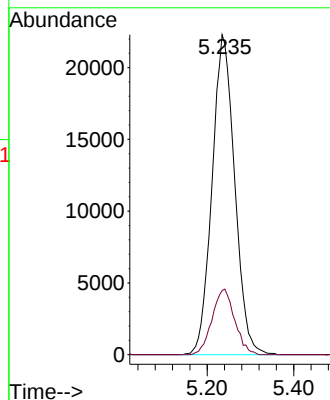
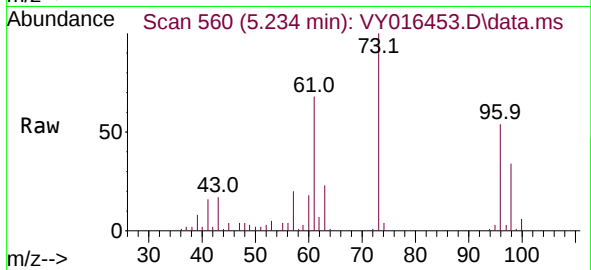




#19  
Methyl tert-butyl Ether  
Concen: 21.266 ug/l  
RT: 5.234 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

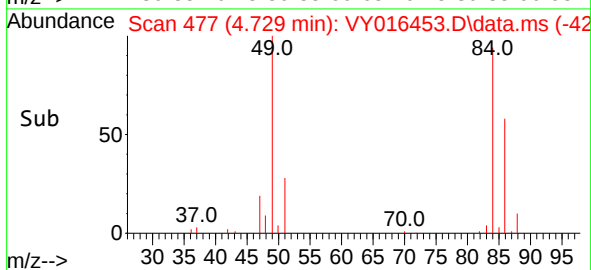
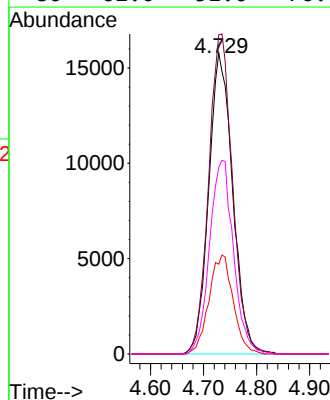
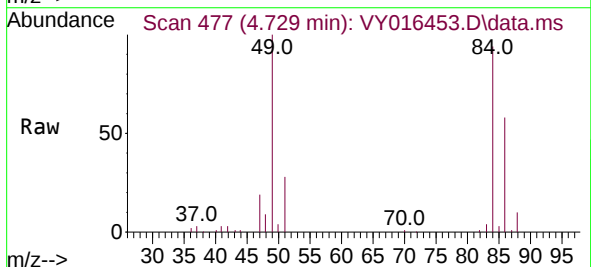
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 73 Resp: 80955  
Ion Ratio Lower Upper  
73 100  
57 20.1 17.3 25.9



#20  
Methylene Chloride  
Concen: 28.286 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 84 Resp: 49531  
Ion Ratio Lower Upper  
84 100  
49 106.1 106.9 160.3#  
51 29.8 33.2 49.8#  
86 62.0 51.0 76.6

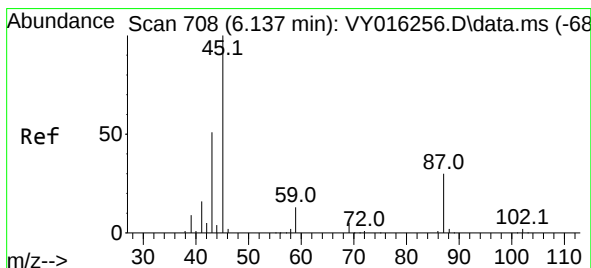
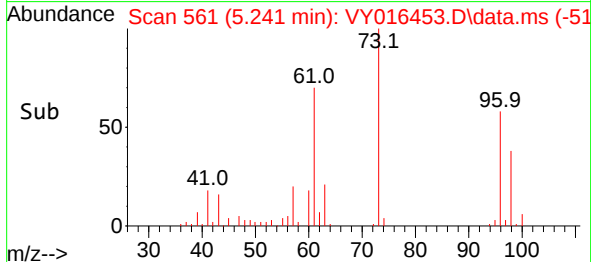
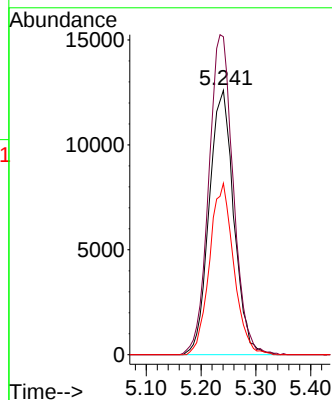
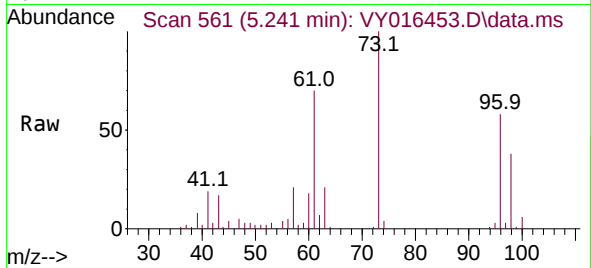




#21  
trans-1,2-Dichloroethene  
Concen: 21.705 ug/l  
RT: 5.241 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

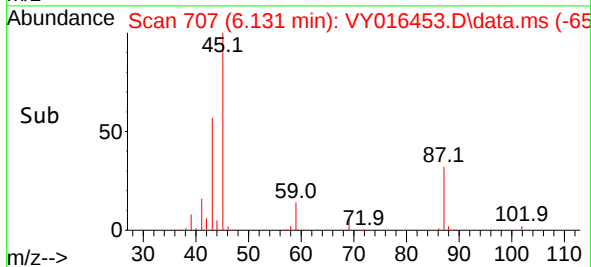
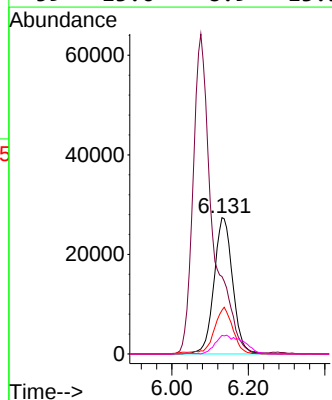
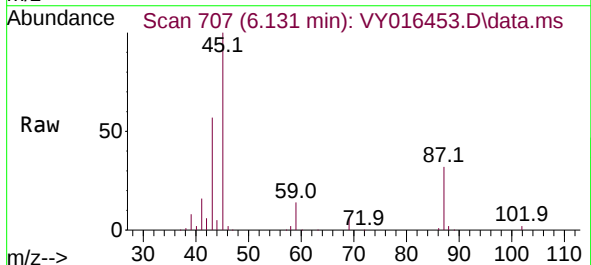
Instrument :  
MSVOA\_Y  
ClientSampleId :

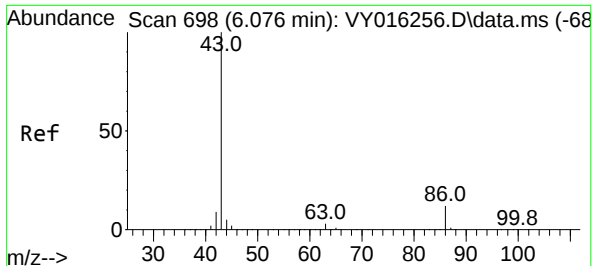
Tgt Ion: 96 Resp: 39306  
Ion Ratio Lower Upper  
96 100  
61 120.3 110.2 165.4  
98 64.8 51.8 77.6



#22  
Diisopropyl ether  
Concen: 19.215 ug/l  
RT: 6.131 min Scan# 707  
Delta R.T. -0.006 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 45 Resp: 92427  
Ion Ratio Lower Upper  
45 100  
43 55.7 52.2 78.4  
87 32.1 21.0 31.6#  
59 13.6 8.9 13.3#

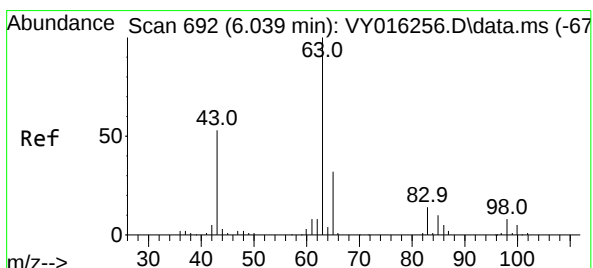
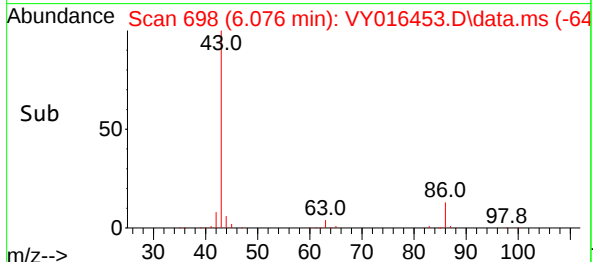
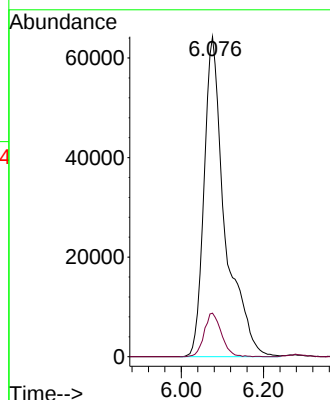
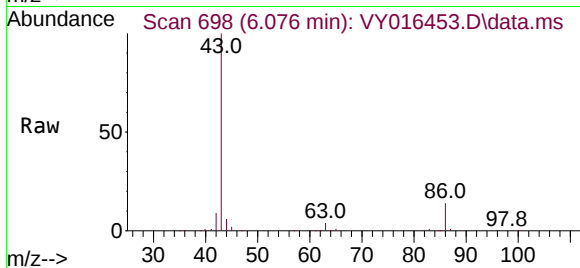




#23  
 Vinyl Acetate  
 Concen: 97.489 ug/l  
 RT: 6.076 min Scan# 698  
 Delta R.T. -0.000 min  
 Lab File: VY016453.D  
 Acq: 22 Nov 2023 10:57

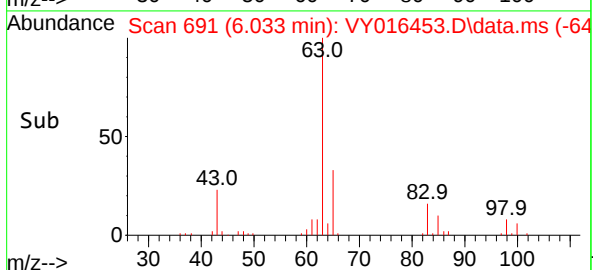
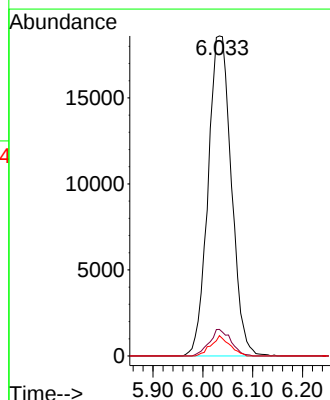
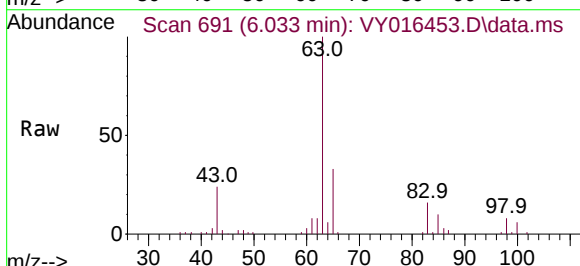
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

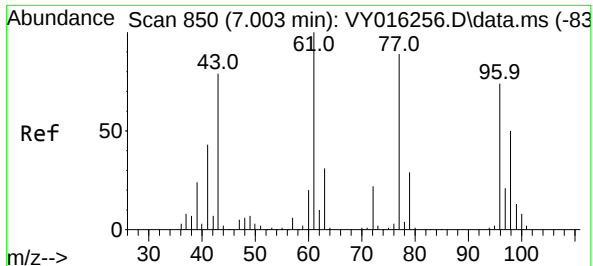
Tgt Ion: 43 Resp: 227221  
 Ion Ratio Lower Upper  
 43 100  
 86 13.6 7.5 11.3#



#24  
 1,1-Dichloroethane  
 Concen: 20.351 ug/l  
 RT: 6.033 min Scan# 691  
 Delta R.T. -0.006 min  
 Lab File: VY016453.D  
 Acq: 22 Nov 2023 10:57

Tgt Ion: 63 Resp: 60390  
 Ion Ratio Lower Upper  
 63 100  
 98 8.3 3.1 9.4  
 100 6.4 1.8 5.5#





#25

2-Butanone

Concen: 124.900 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

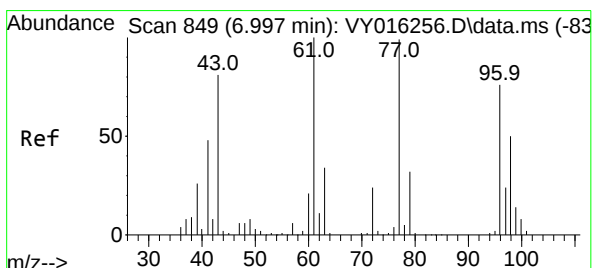
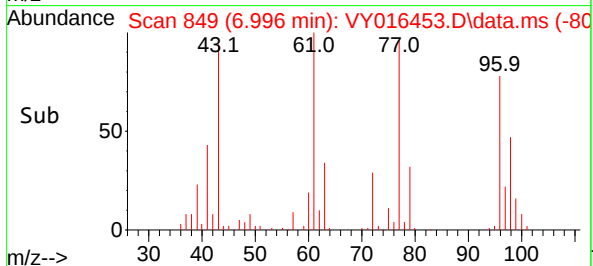
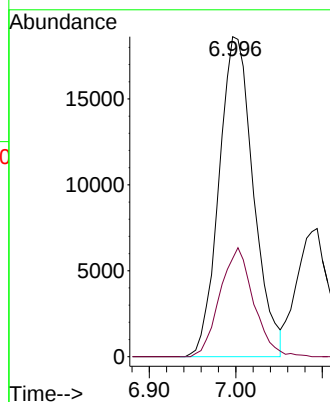
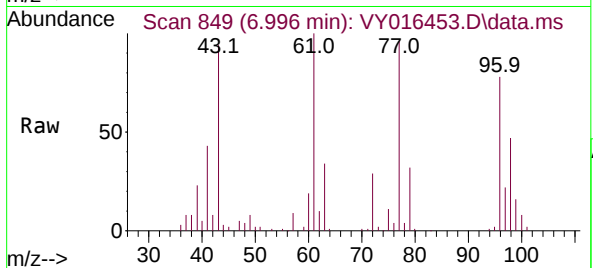
ClientSampleId :

Tgt Ion: 43 Resp: 51477

Ion Ratio Lower Upper

43 100

72 30.7 20.5 30.7



#26

2,2-Dichloropropane

Concen: 21.338 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY016453.D

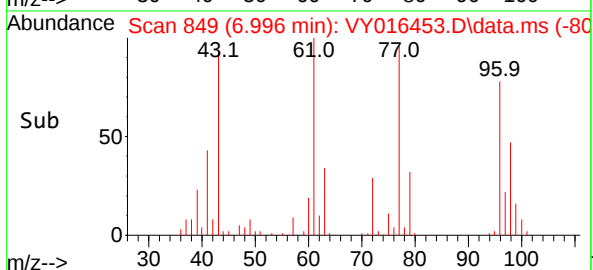
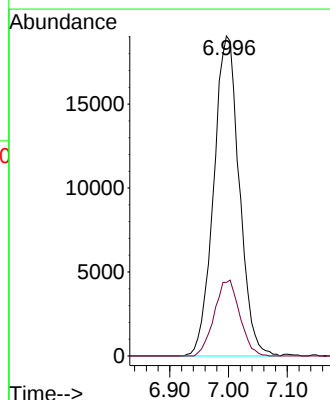
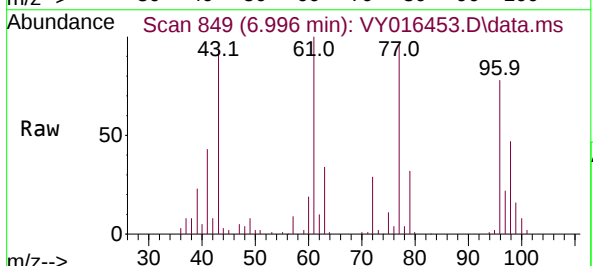
Acq: 22 Nov 2023 10:57

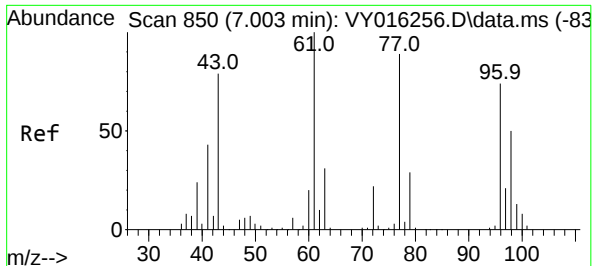
Tgt Ion: 77 Resp: 57630

Ion Ratio Lower Upper

77 100

97 23.6 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 21.677 ug/l

RT: 7.002 min Scan# 81

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

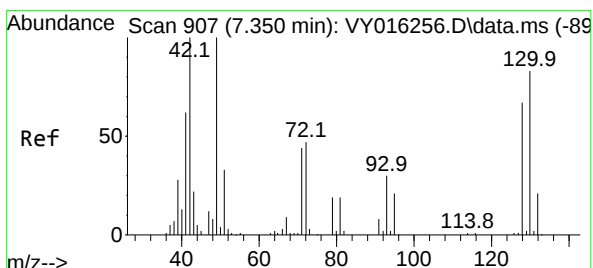
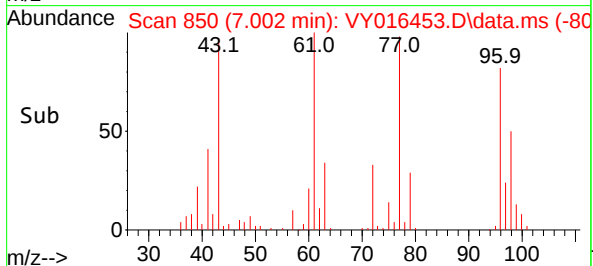
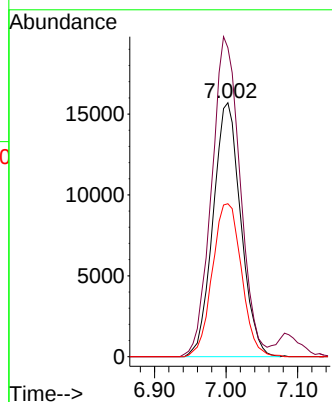
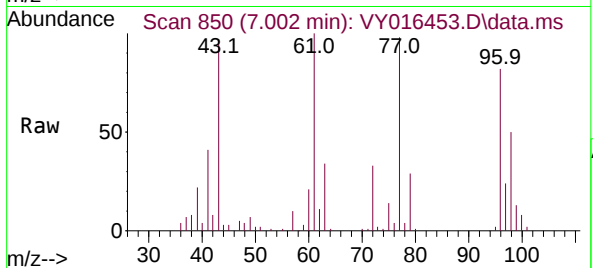
Tgt Ion: 96 Resp: 42306

Ion Ratio Lower Upper

96 100

61 129.4 0.0 301.4

98 63.3 0.0 130.4



#28

Bromochloromethane

Concen: 19.328 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

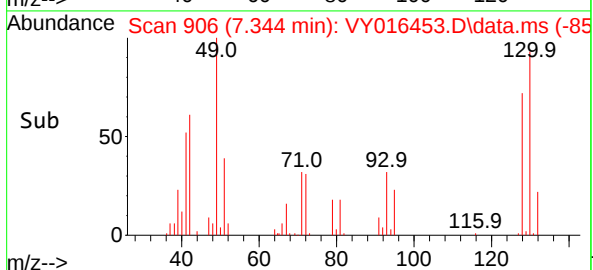
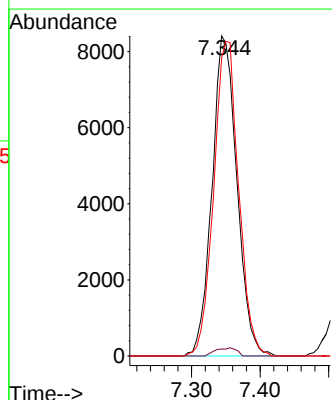
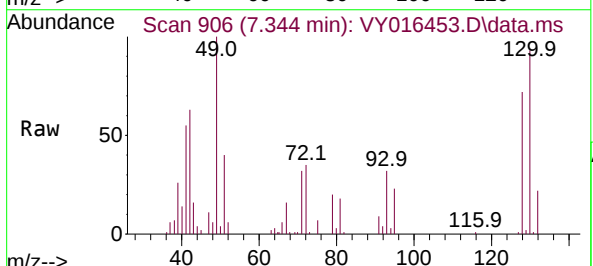
Tgt Ion: 49 Resp: 21227

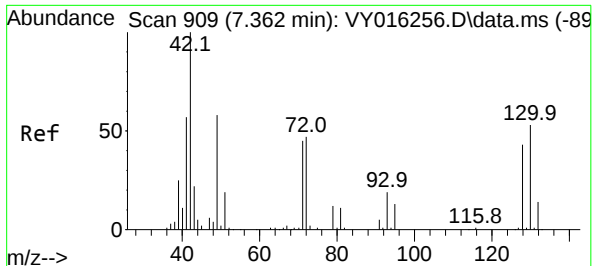
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

130 98.1 60.7 91.1#





#29

Tetrahydrofuran

Concen: 98.390 ug/l

RT: 7.362 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

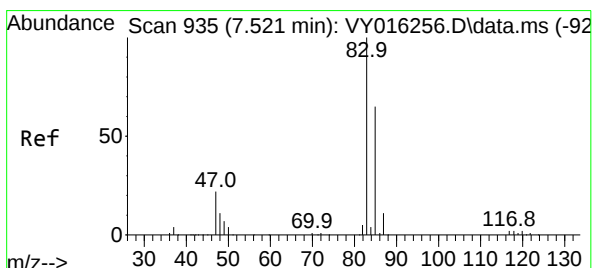
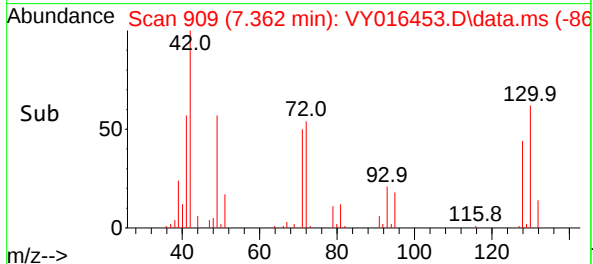
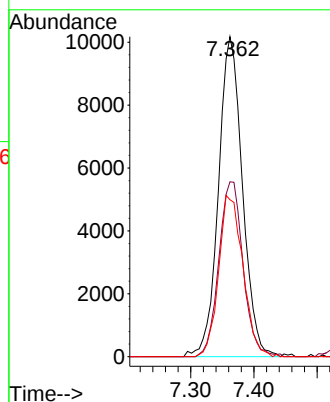
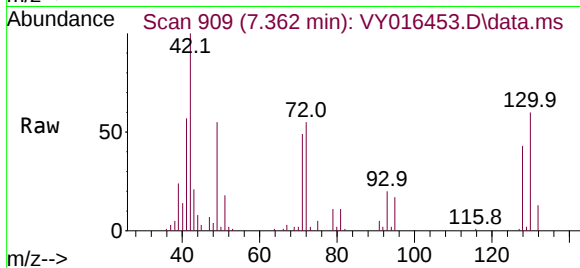
Tgt Ion: 42 Resp: 26803

Ion Ratio Lower Upper

42 100

72 55.1 32.8 49.2#

71 50.9 31.0 46.4#



#30

Chloroform

Concen: 21.208 ug/l

RT: 7.521 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY016453.D

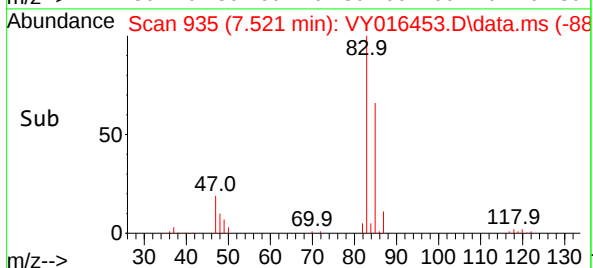
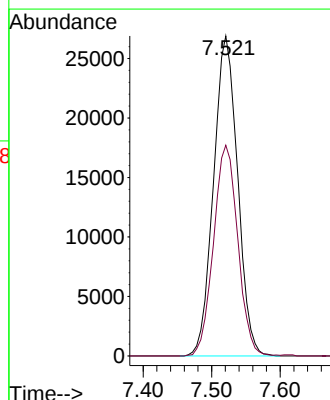
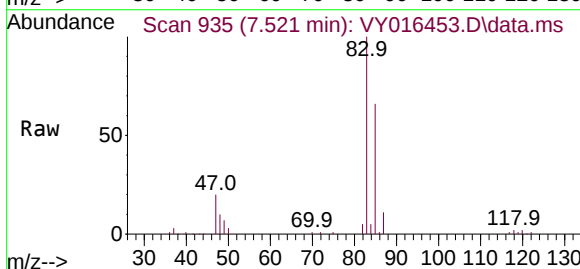
Acq: 22 Nov 2023 10:57

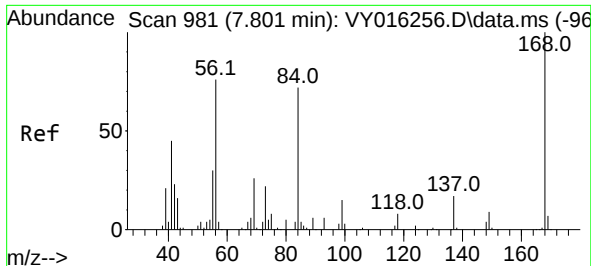
Tgt Ion: 83 Resp: 65507

Ion Ratio Lower Upper

83 100

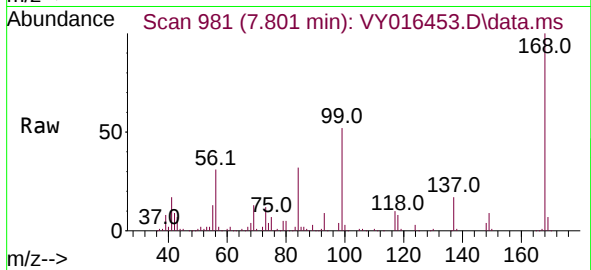
85 65.9 49.7 74.5



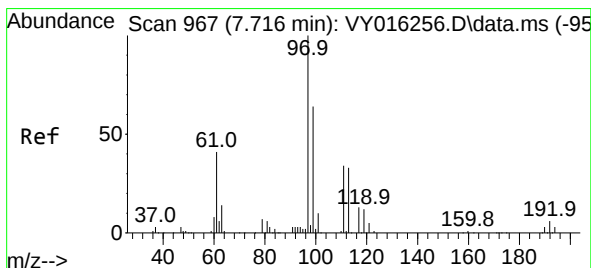
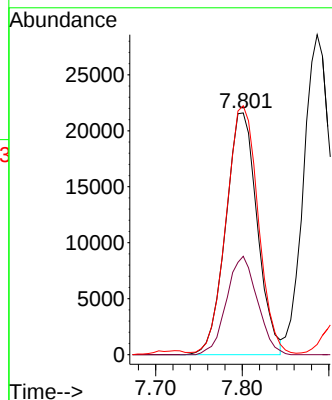
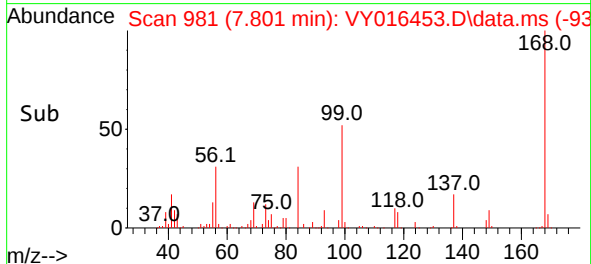


#31  
Cyclohexane  
Concen: 19.552 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Instrument :  
MSVOA\_Y  
ClientSampleId :

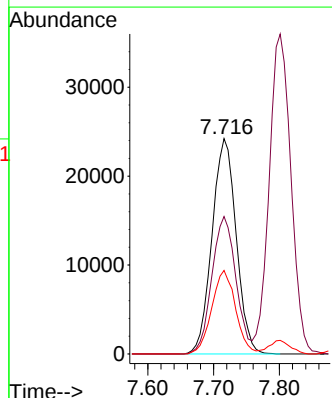
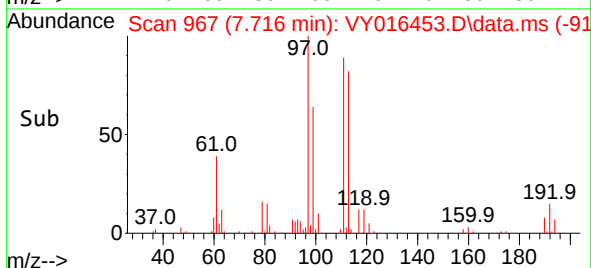
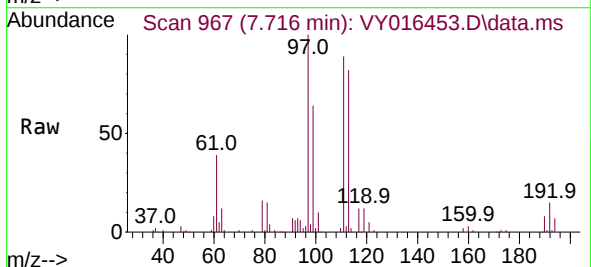


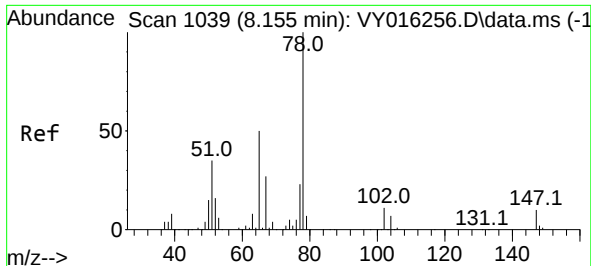
Tgt Ion: 56 Resp: 54759  
Ion Ratio Lower Upper  
56 100  
69 40.7 27.8 41.6  
84 101.4 66.4 99.6#



#32  
1,1,1-Trichloroethane  
Concen: 21.865 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 97 Resp: 61910  
Ion Ratio Lower Upper  
97 100  
99 63.9 50.8 76.2  
61 38.2 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 50.186 ug/l

RT: 8.155 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

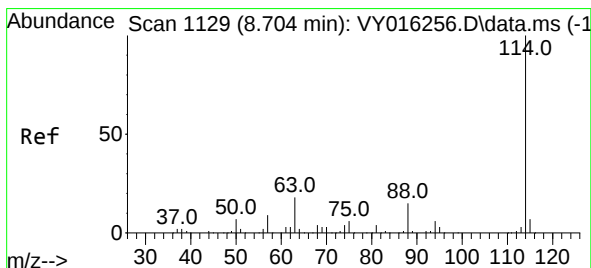
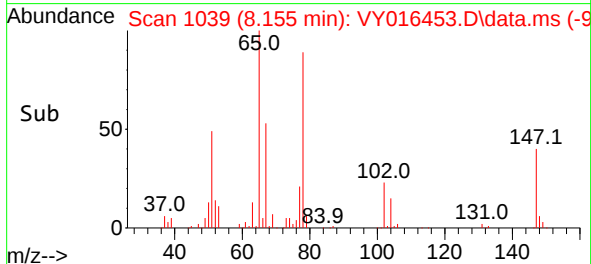
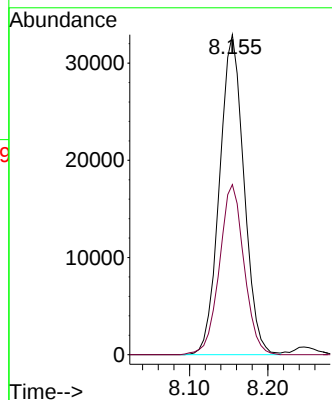
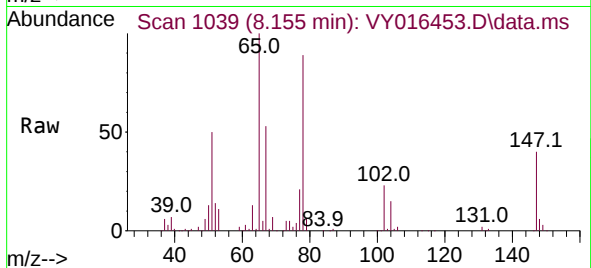
ClientSampleId :

Tgt Ion: 65 Resp: 71391

Ion Ratio Lower Upper

65 100

67 53.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

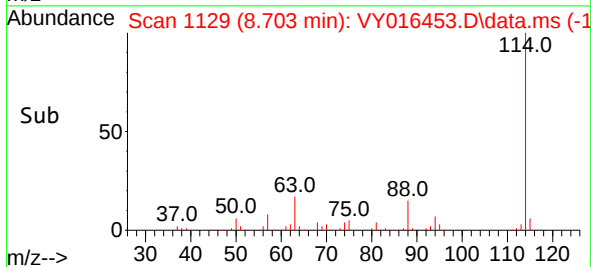
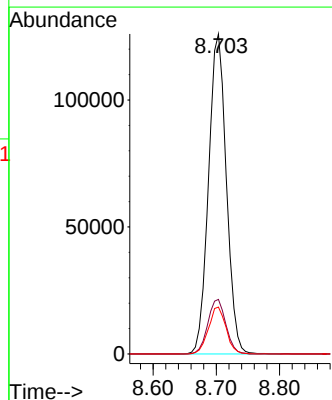
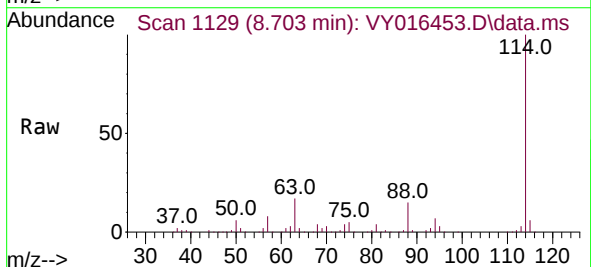
Tgt Ion:114 Resp: 246619

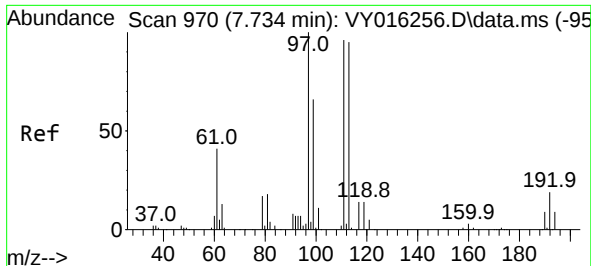
Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 14.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.007 ug/l

RT: 7.728 min Scan# 9

Delta R.T. -0.006 min

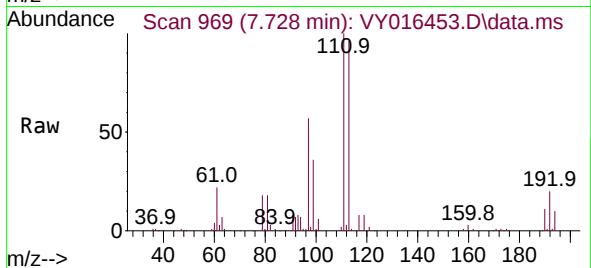
Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :



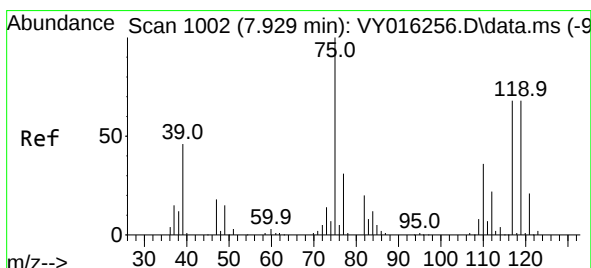
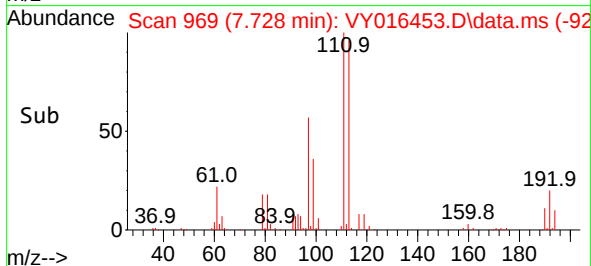
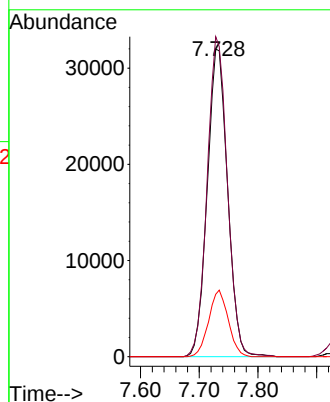
Tgt Ion:113 Resp: 77062

Ion Ratio Lower Upper

113 100

111 103.1 81.3 121.9

192 20.8 16.9 25.3



#36

1,1-Dichloropropene

Concen: 20.973 ug/l

RT: 7.935 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

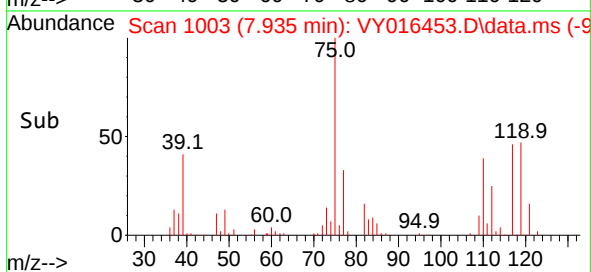
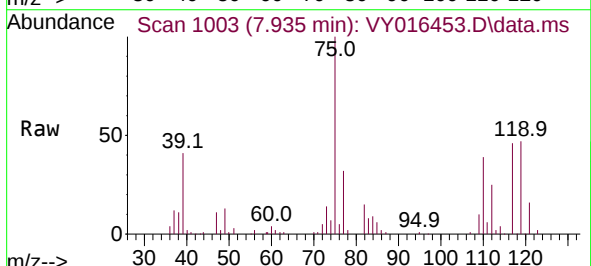
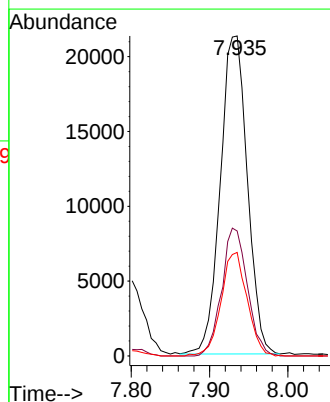
Tgt Ion: 75 Resp: 51019

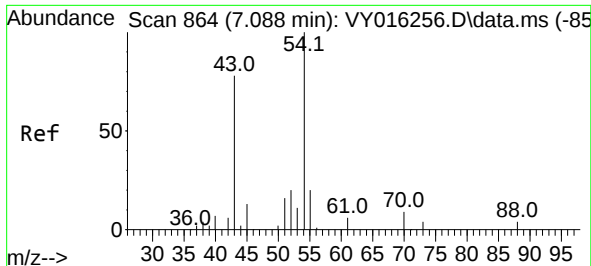
Ion Ratio Lower Upper

75 100

110 38.2 17.8 53.5

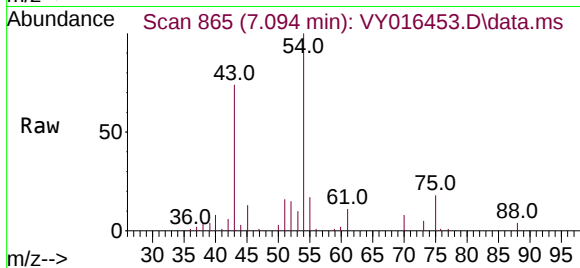
77 31.4 24.4 36.6



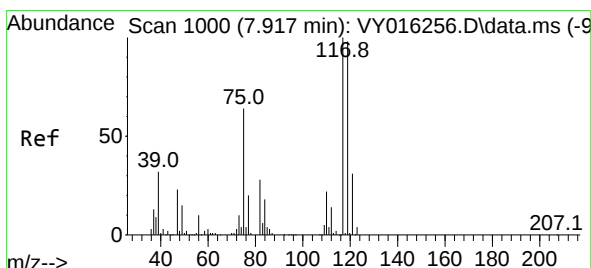
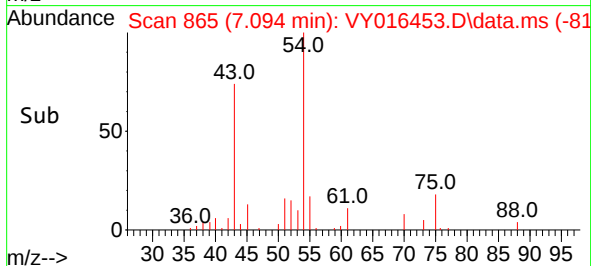
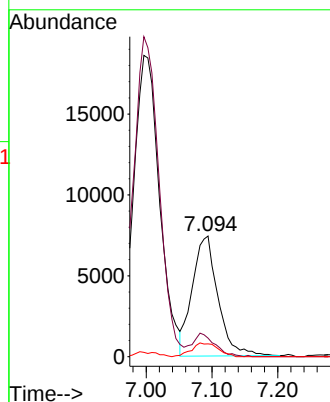


#37  
Ethyl Acetate  
Concen: 20.473 ug/l  
RT: 7.094 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Instrument :  
MSVOA\_Y  
ClientSampleId :

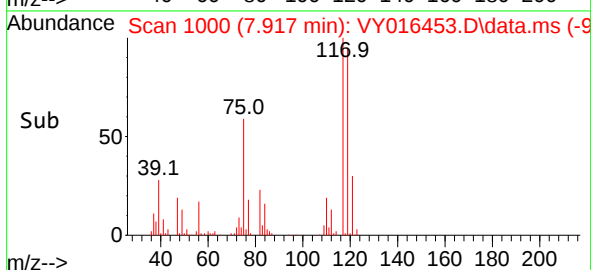
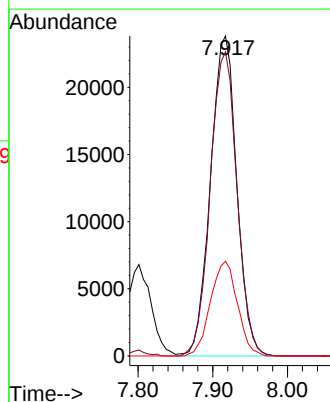
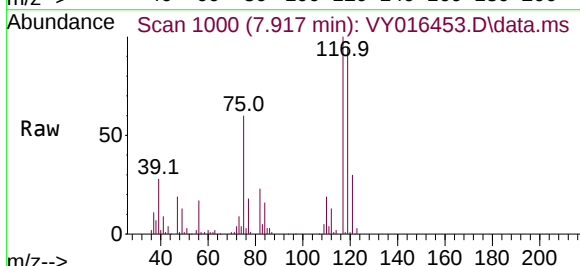


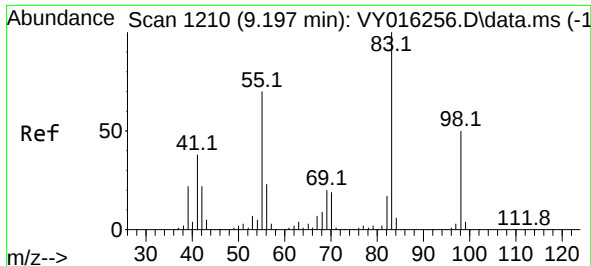
Tgt Ion: 43 Resp: 20123  
Ion Ratio Lower Upper  
43 100  
61 17.1 10.1 15.1#  
70 11.8 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 23.032 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 117 Resp: 58150  
Ion Ratio Lower Upper  
117 100  
119 95.1 76.4 114.6  
121 29.6 25.8 38.6





#39

Methylcyclohexane

Concen: 21.236 ug/l

RT: 9.197 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

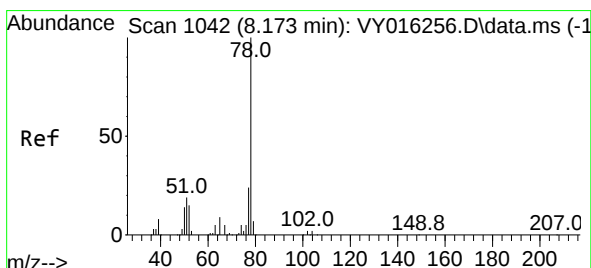
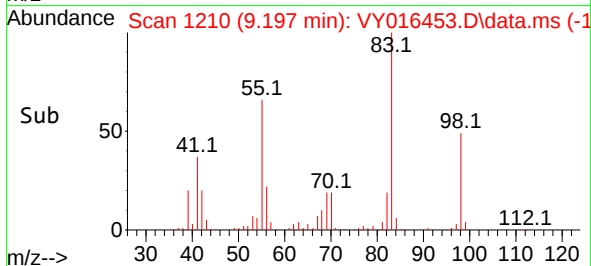
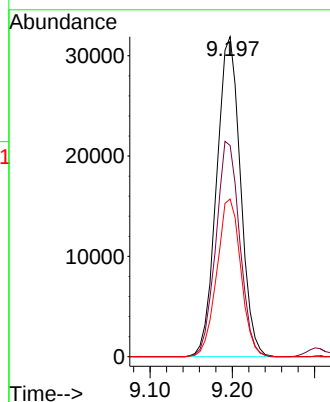
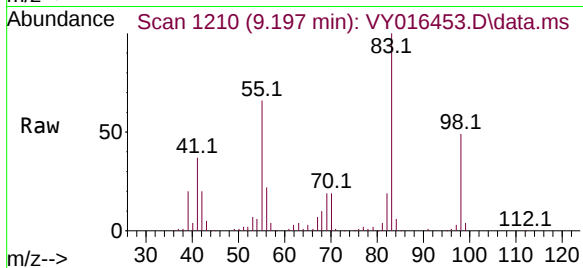
Tgt Ion: 83 Resp: 64369

Ion Ratio Lower Upper

83 100

55 66.0 63.0 94.4

98 49.2 37.4 56.2



#40

Benzene

Concen: 21.746 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VY016453.D

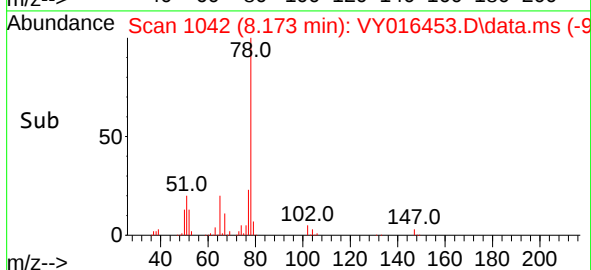
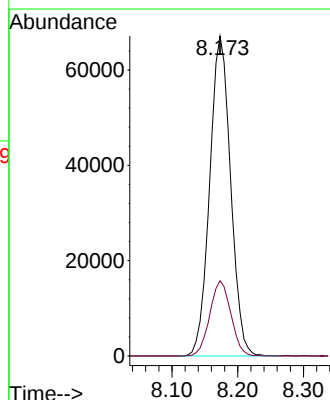
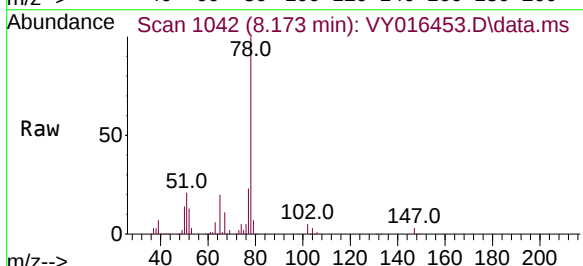
Acq: 22 Nov 2023 10:57

Tgt Ion: 78 Resp: 148625

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6



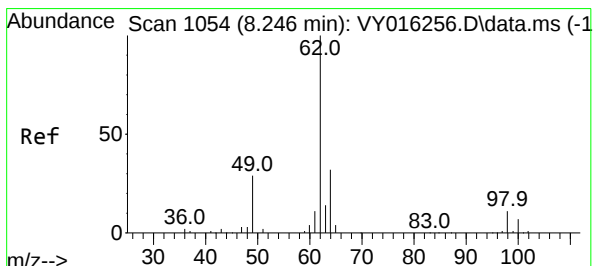
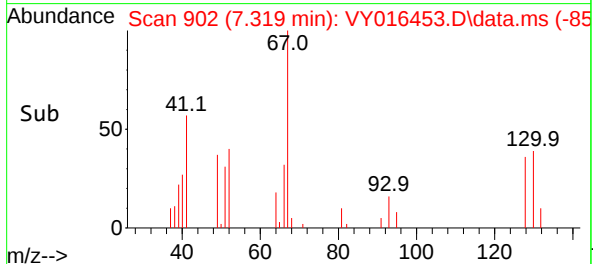
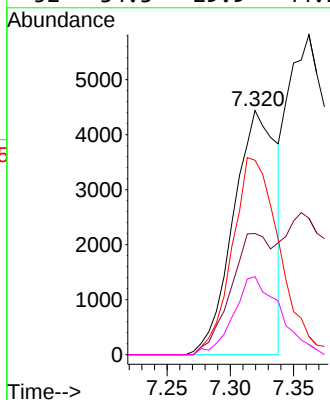
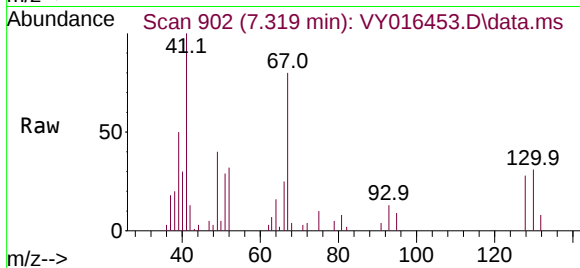


#41  
Methacrylonitrile  
Concen: 21.235 ug/l  
RT: 7.319 min Scan# 903  
Delta R.T. -0.006 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 41 Resp: 10524

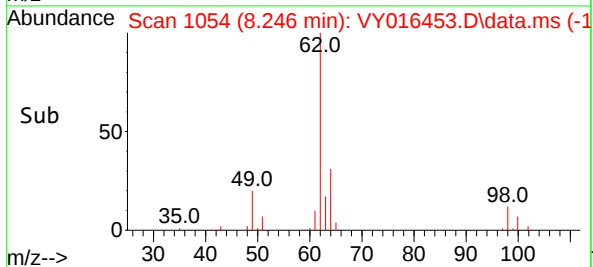
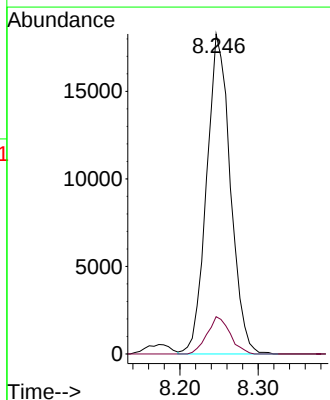
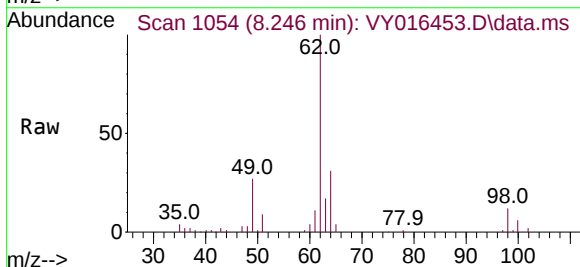
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 45.6  | 52.1  | 78.1# |
| 67  | 88.4  | 66.2  | 99.2  |
| 52  | 34.3  | 29.9  | 44.9  |

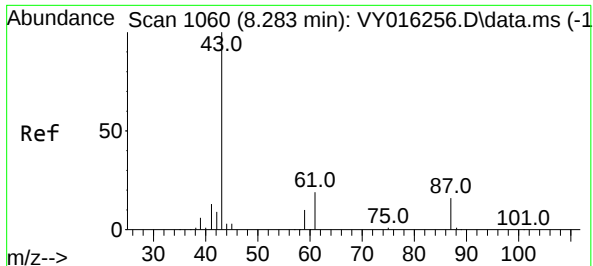


#42  
1,2-Dichloroethane  
Concen: 21.736 ug/l  
RT: 8.246 min Scan# 1054  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 62 Resp: 38491

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 11.2  | 0.0   | 15.8  |

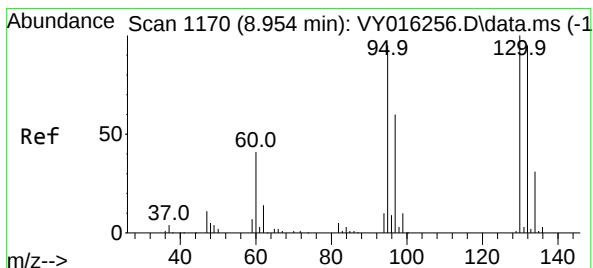
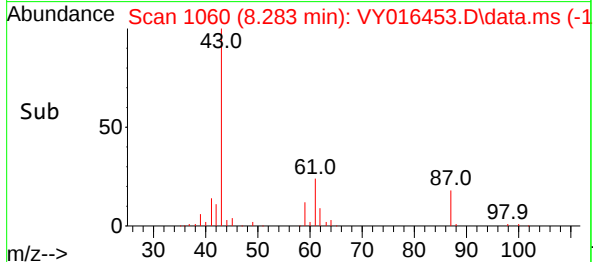
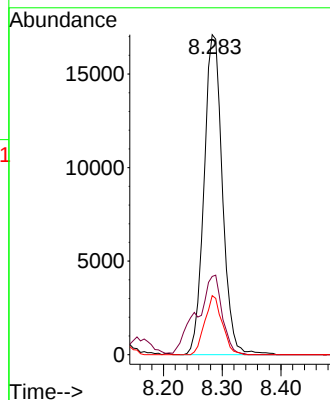
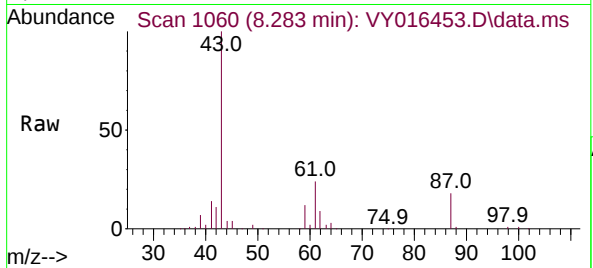




#43  
Isopropyl Acetate  
Concen: 19.557 ug/l  
RT: 8.283 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

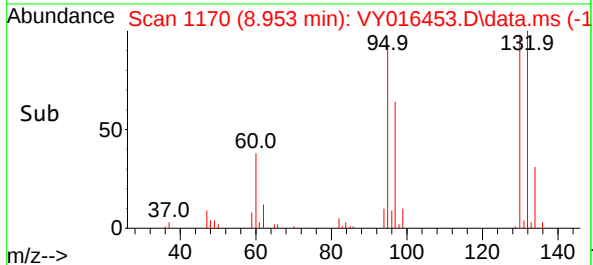
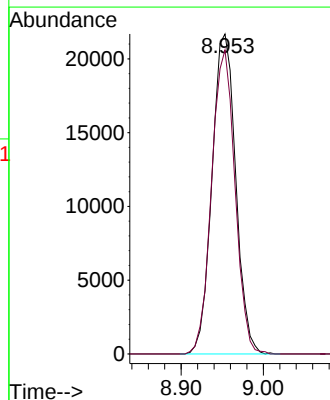
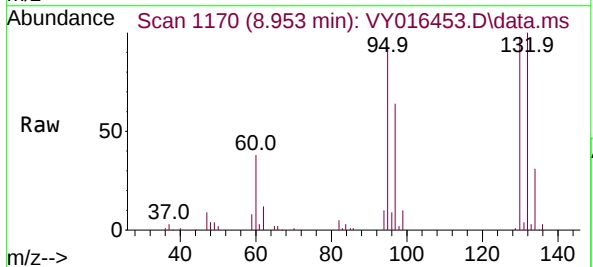
Instrument :  
MSVOA\_Y  
ClientSampleId :

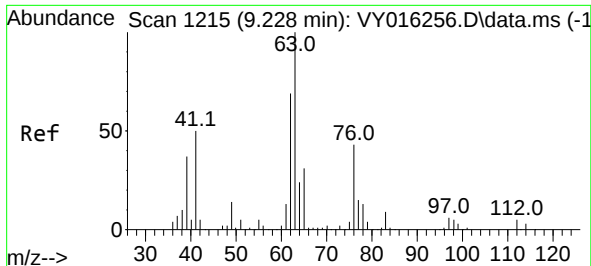
Tgt Ion: 43 Resp: 37157  
Ion Ratio Lower Upper  
43 100  
61 34.5 21.1 31.7#  
87 17.5 9.8 14.8#



#44  
Trichloroethene  
Concen: 22.105 ug/l  
RT: 8.953 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion:130 Resp: 43420  
Ion Ratio Lower Upper  
130 100  
95 95.0 0.0 196.0





#45

1,2-Dichloropropane

Concen: 21.095 ug/l

RT: 9.228 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

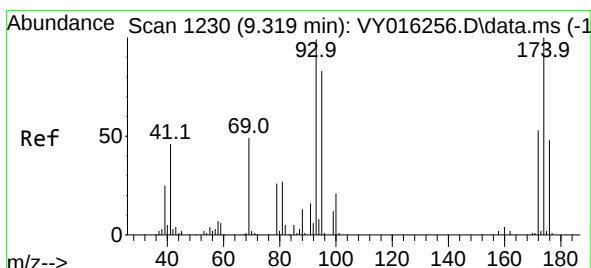
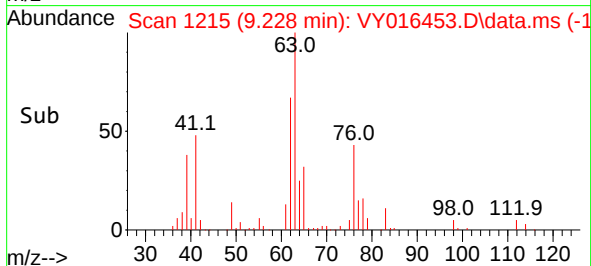
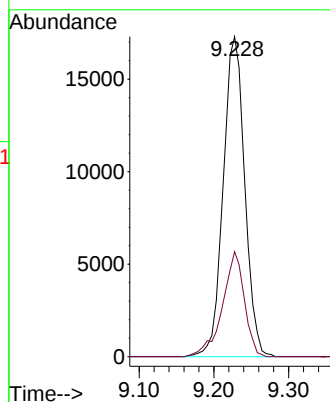
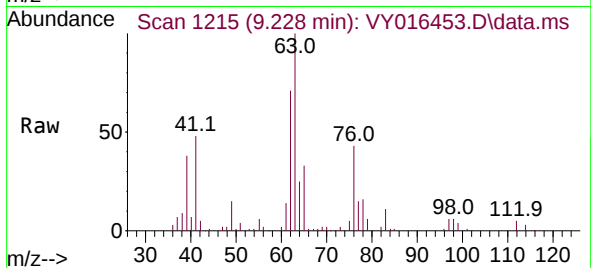
ClientSampleId :

Tgt Ion: 63 Resp: 34625

Ion Ratio Lower Upper

63 100

65 32.8 23.8 35.6



#46

Dibromomethane

Concen: 22.305 ug/l

RT: 9.319 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

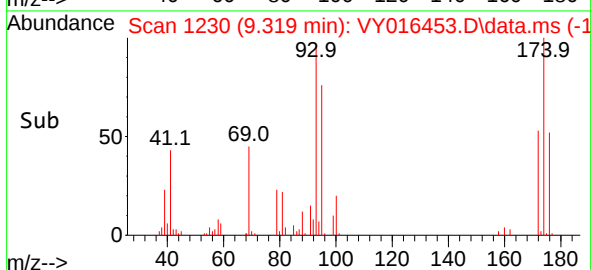
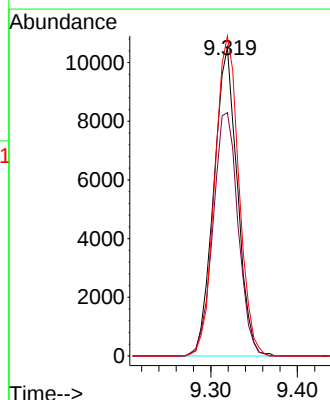
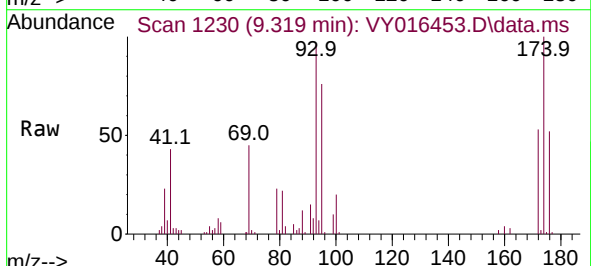
Tgt Ion: 93 Resp: 19840

Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

174 105.8 84.8 127.2

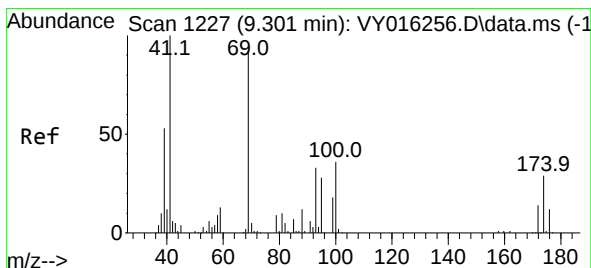
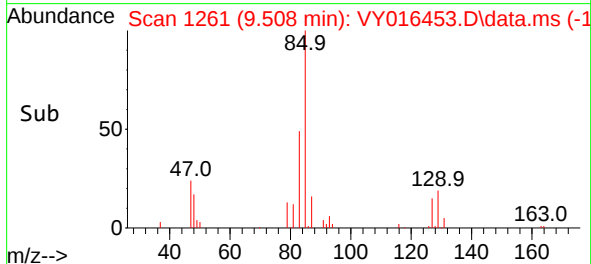
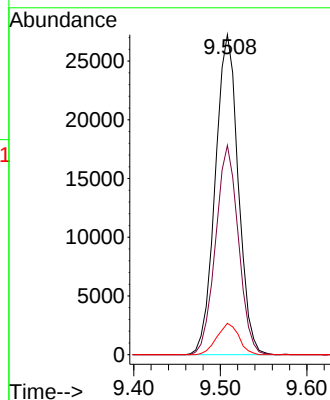
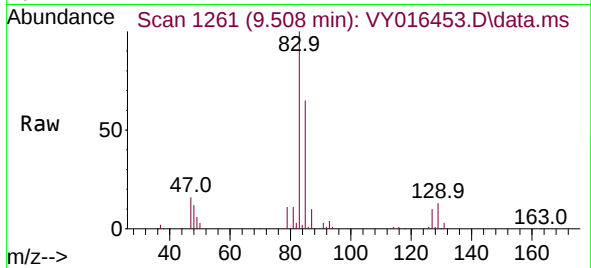




#47  
Bromodichloromethane  
Concen: 21.976 ug/l  
RT: 9.508 min Scan# 1261  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

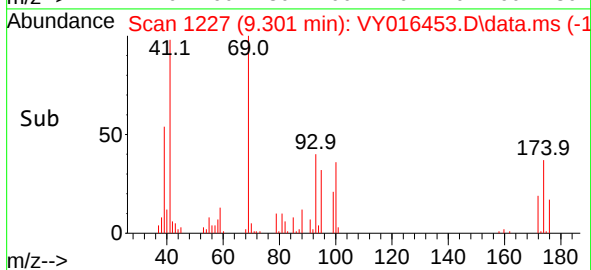
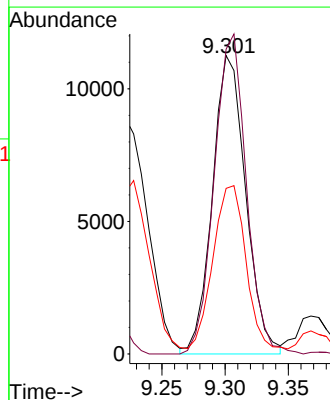
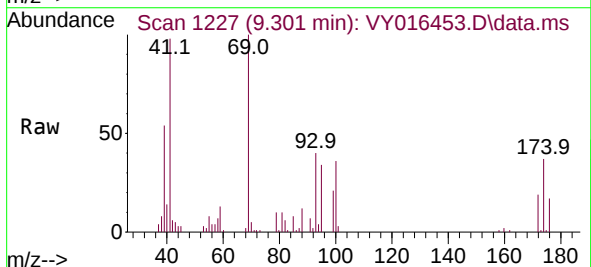
Instrument :  
MSVOA\_Y  
ClientSampleId :

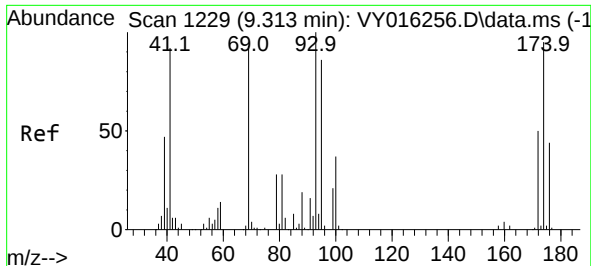
Tgt Ion: 83 Resp: 50253  
Ion Ratio Lower Upper  
83 100  
85 65.4 50.1 75.1  
127 9.8 7.1 10.7



#48  
Methyl methacrylate  
Concen: 19.643 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 41 Resp: 20626  
Ion Ratio Lower Upper  
41 100  
69 103.4 64.5 96.7#  
39 54.2 50.8 76.2





#49

1,4-Dioxane

Concen: 453.246 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

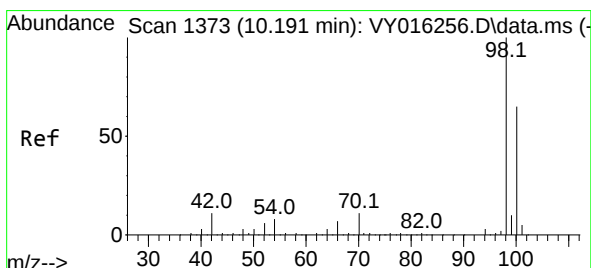
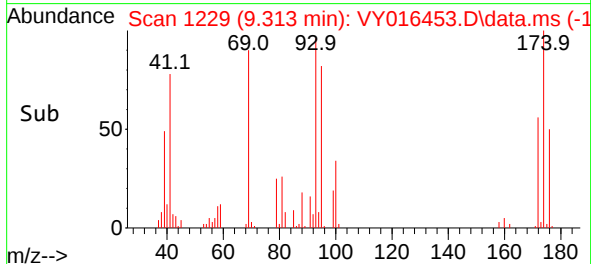
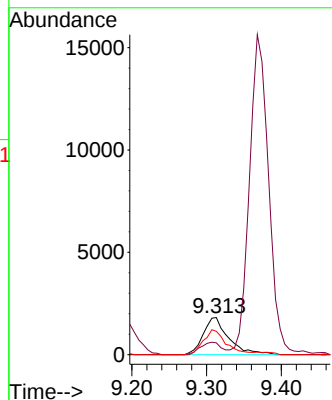
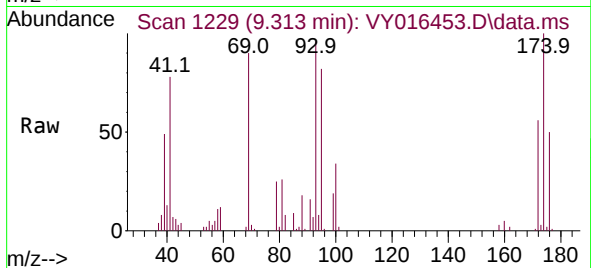
Tgt Ion: 88 Resp: 4280

Ion Ratio Lower Upper

88 100

43 27.1 0.0 0.0#

58 60.9 30.9 46.3#



#50

Toluene-d8

Concen: 51.317 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016453.D

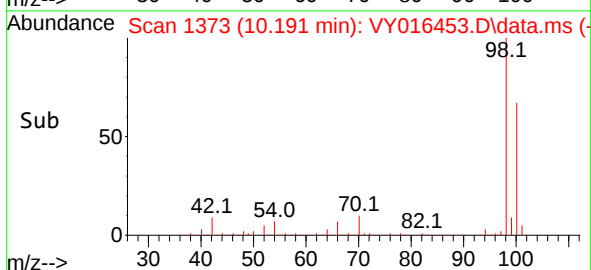
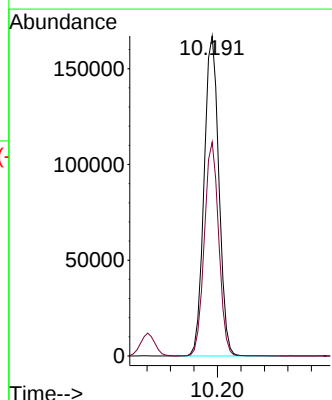
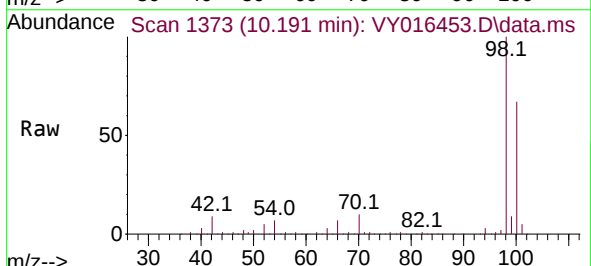
Acq: 22 Nov 2023 10:57

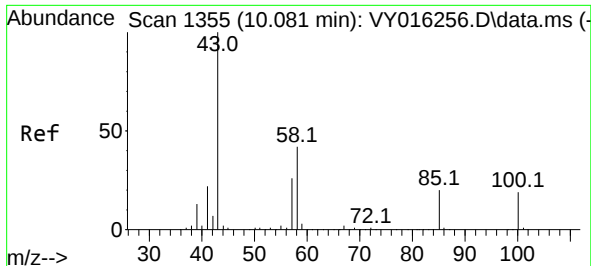
Tgt Ion: 98 Resp: 291542

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1

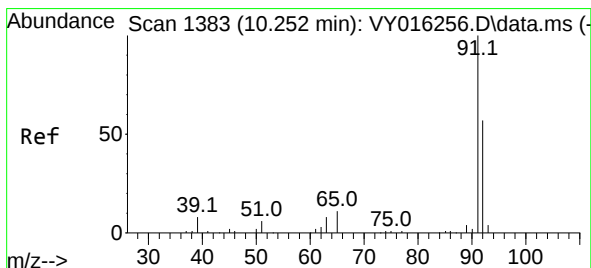
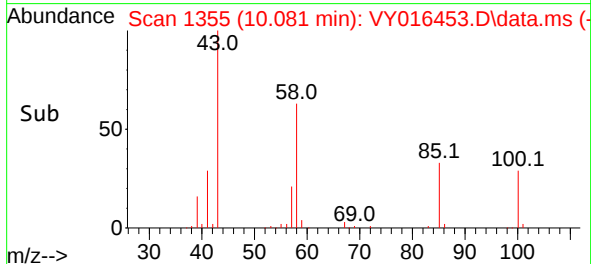
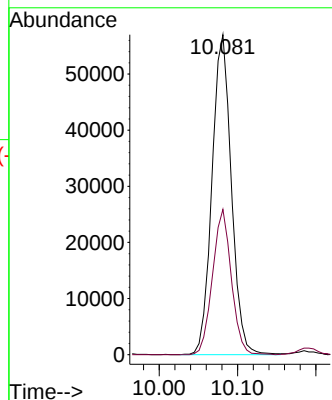
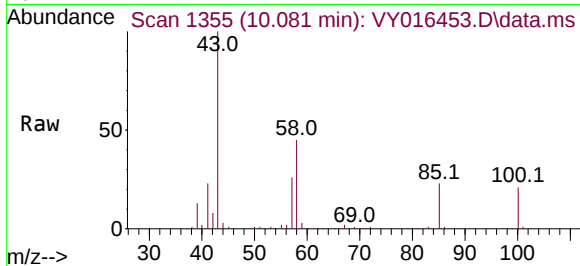




#51  
4-Methyl-2-Pentanone  
Concen: 101.932 ug/l  
RT: 10.081 min Scan# 1355  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

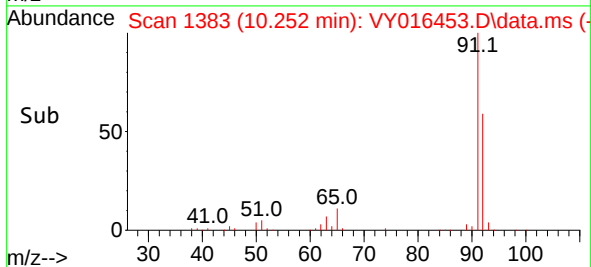
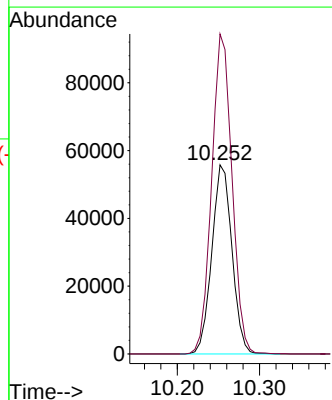
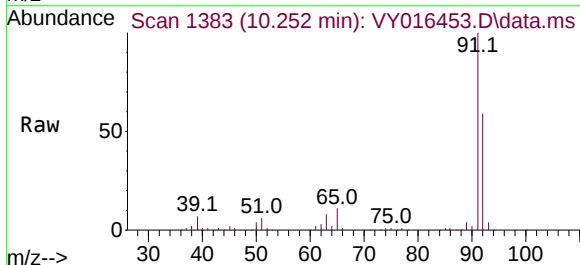
Instrument :  
MSVOA\_Y  
ClientSampleId :

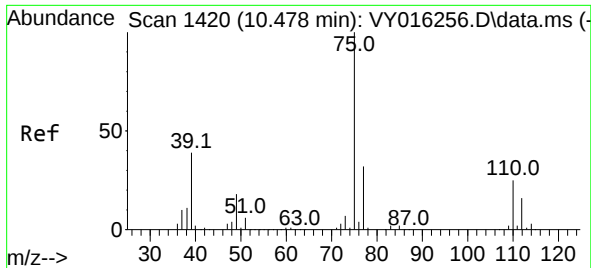
Tgt Ion: 43 Resp: 97931  
Ion Ratio Lower Upper  
43 100  
58 44.1 29.0 43.6#



#52  
Toluene  
Concen: 21.970 ug/l  
RT: 10.252 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 92 Resp: 94918  
Ion Ratio Lower Upper  
92 100  
91 170.8 143.8 215.6

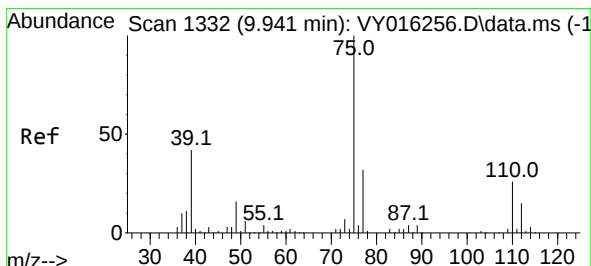
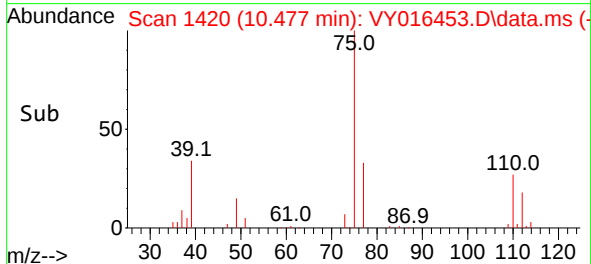
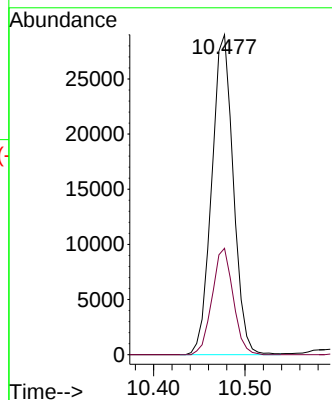
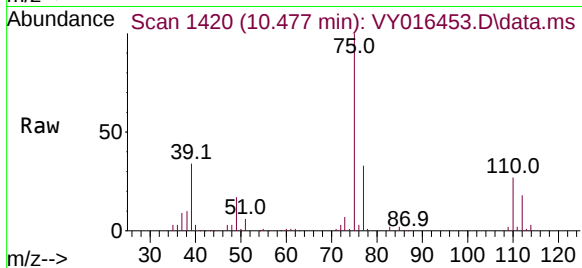




#53  
 t-1,3-Dichloropropene  
 Concen: 21.456 ug/l  
 RT: 10.477 min Scan# 1420  
 Delta R.T. -0.000 min  
 Lab File: VY016453.D  
 Acq: 22 Nov 2023 10:57

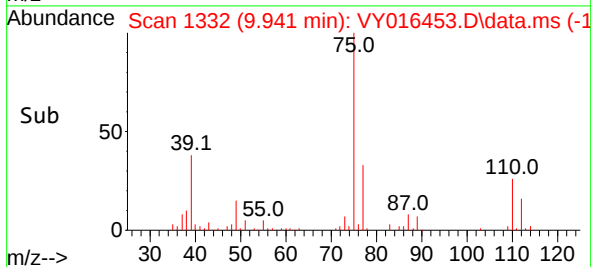
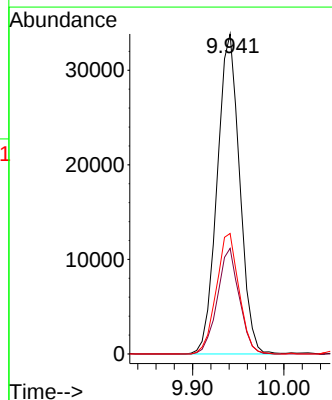
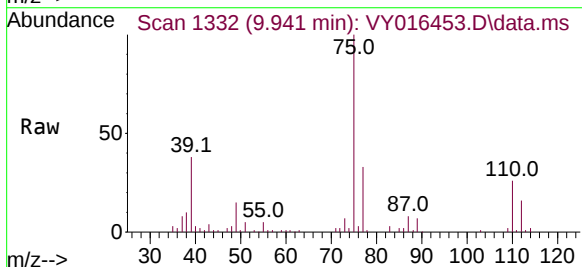
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

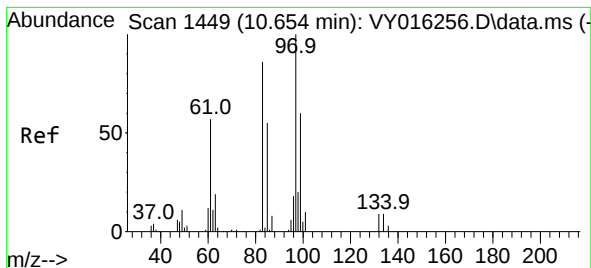
Tgt Ion: 75 Resp: 47564  
 Ion Ratio Lower Upper  
 75 100  
 77 33.3 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.841 ug/l  
 RT: 9.941 min Scan# 1332  
 Delta R.T. -0.000 min  
 Lab File: VY016453.D  
 Acq: 22 Nov 2023 10:57

Tgt Ion: 75 Resp: 57829  
 Ion Ratio Lower Upper  
 75 100  
 77 33.0 24.2 36.4  
 39 37.7 42.2 63.4#

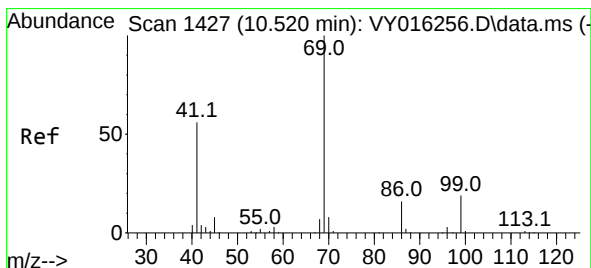
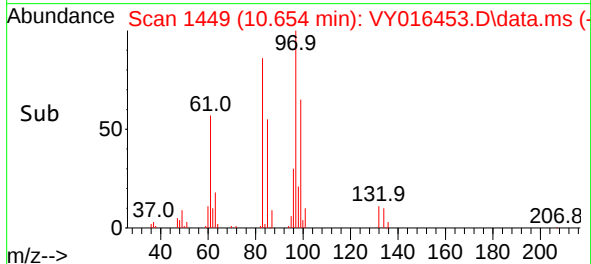
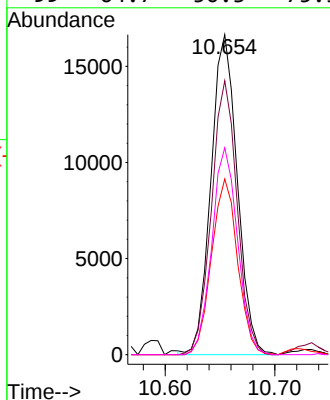
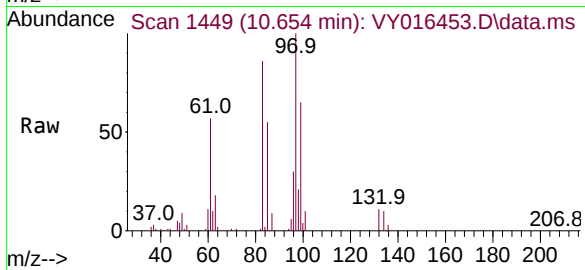




#55  
1,1,2-Trichloroethane  
Concen: 22.693 ug/l  
RT: 10.654 min Scan# 1449  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

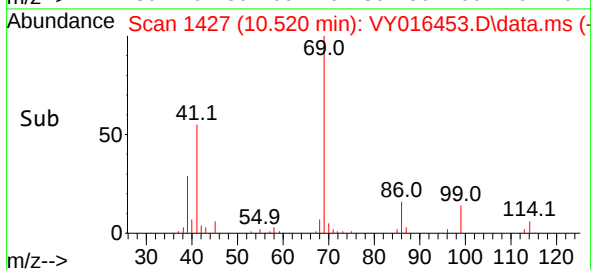
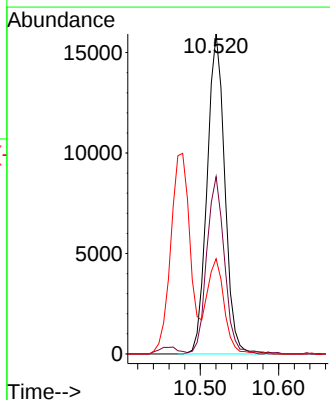
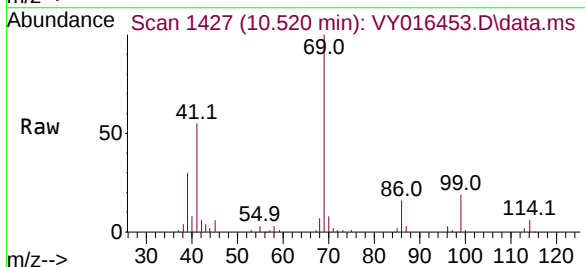
Instrument :  
MSVOA\_Y  
ClientSampleId :

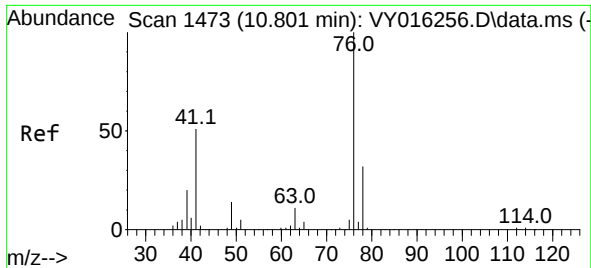
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 27821 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.6  | 72.0  | 108.0 |
| 85       | 54.9  | 45.4  | 68.0  |
| 99       | 64.7  | 50.3  | 75.5  |



#56  
Ethyl methacrylate  
Concen: 21.597 ug/l  
RT: 10.520 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 24993 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 55.1  | 57.6  | 86.4# |
| 39       | 26.7  | 34.1  | 51.1# |

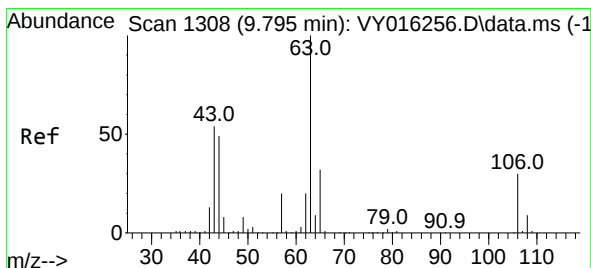
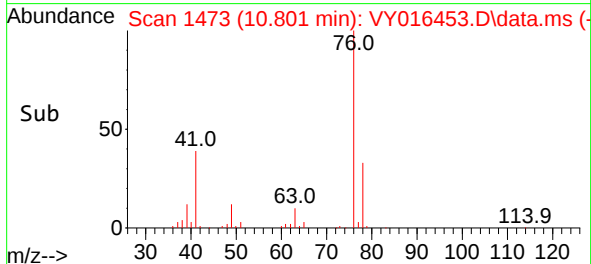
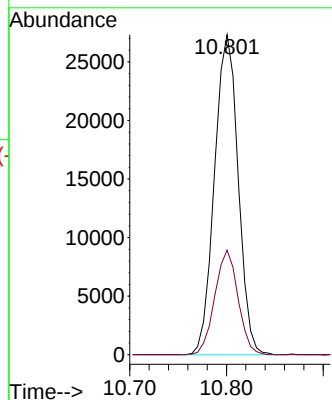
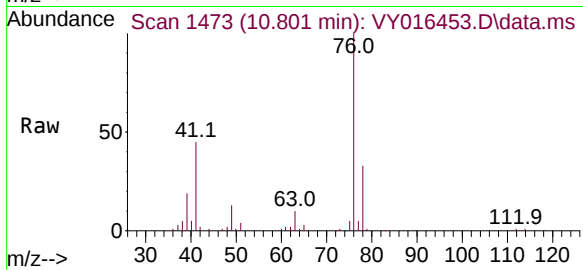




#57  
1,3-Dichloropropane  
Concen: 22.175 ug/l  
RT: 10.801 min Scan# 1473  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

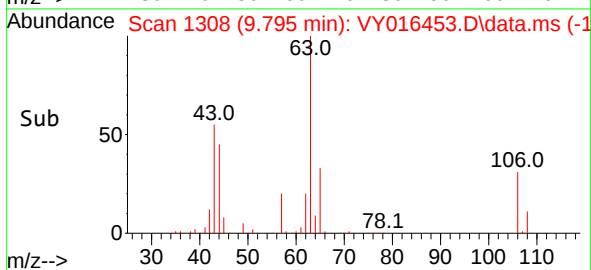
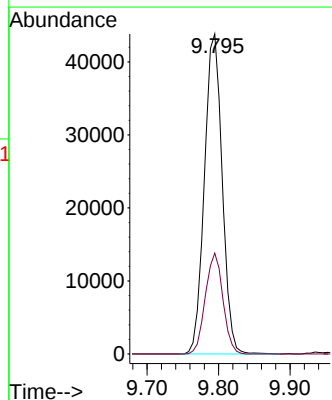
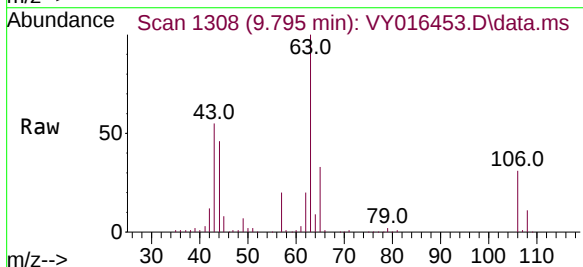
Instrument :  
MSVOA\_Y  
ClientSampleId :

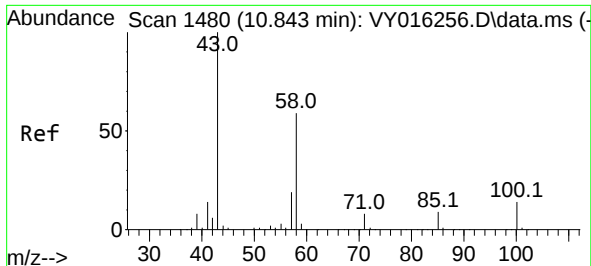
Tgt Ion: 76 Resp: 46341  
Ion Ratio Lower Upper  
76 100  
78 32.0 25.3 37.9



#58  
2-Chloroethyl Vinyl ether  
Concen: 96.403 ug/l  
RT: 9.795 min Scan# 1308  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 63 Resp: 75648  
Ion Ratio Lower Upper  
63 100  
106 31.1 21.2 31.8





#59

2-Hexanone

Concen: 114.303 ug/l

RT: 10.843 min Scan# 1480

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

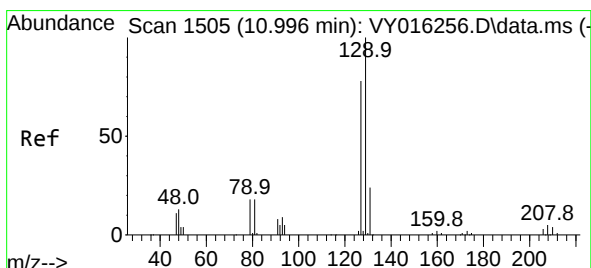
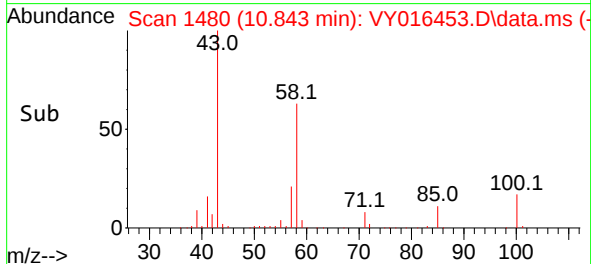
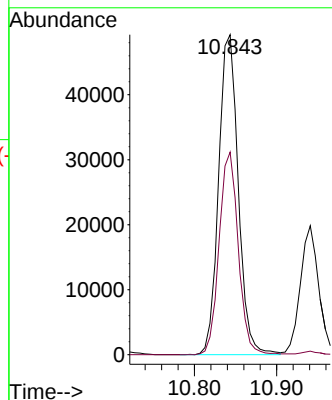
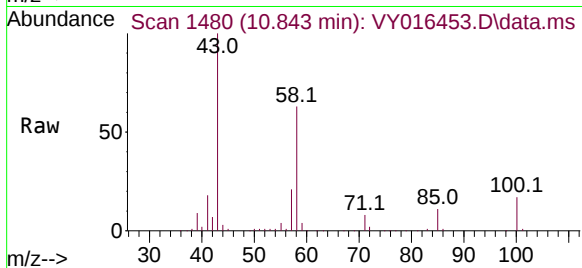
ClientSampleId :

Tgt Ion: 43 Resp: 81684

Ion Ratio Lower Upper

43 100

58 61.8 25.1 75.3



#60

Dibromochloromethane

Concen: 23.656 ug/l

RT: 10.996 min Scan# 1505

Delta R.T. -0.000 min

Lab File: VY016453.D

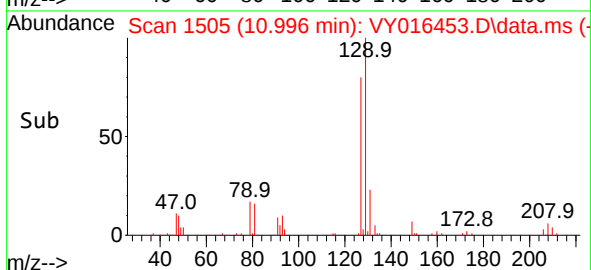
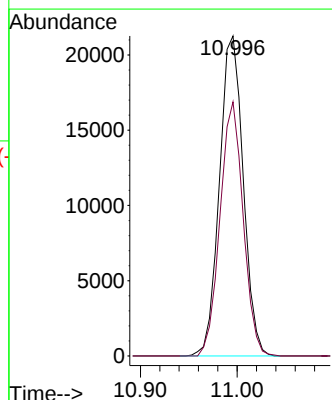
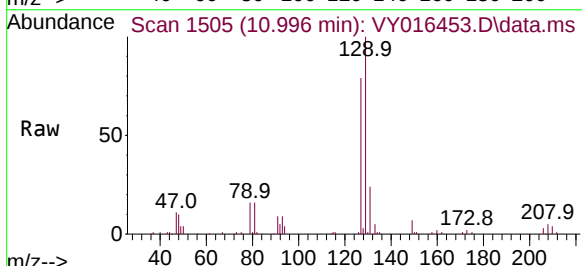
Acq: 22 Nov 2023 10:57

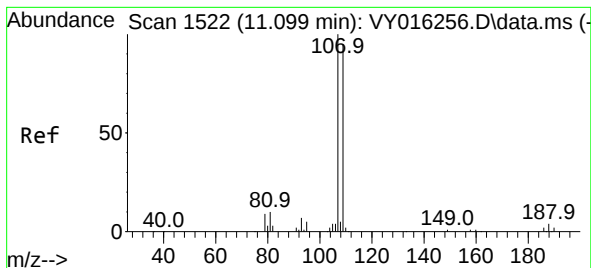
Tgt Ion: 129 Resp: 36270

Ion Ratio Lower Upper

129 100

127 77.2 38.5 115.5

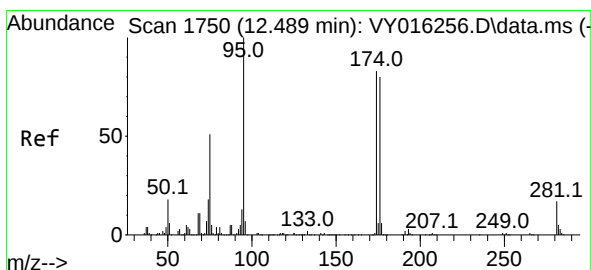
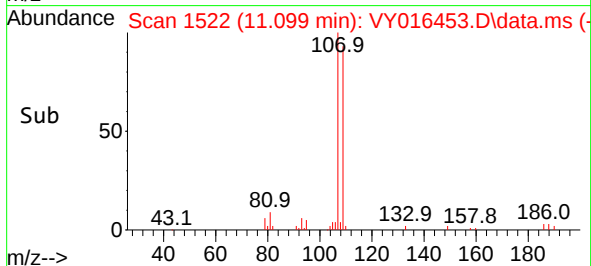
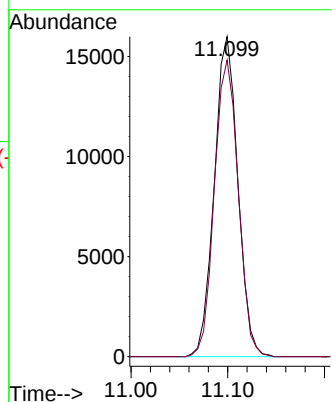
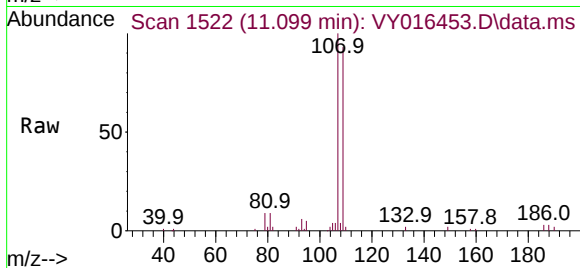




#61  
1,2-Dibromoethane  
Concen: 23.115 ug/l  
RT: 11.099 min Scan# 1522  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

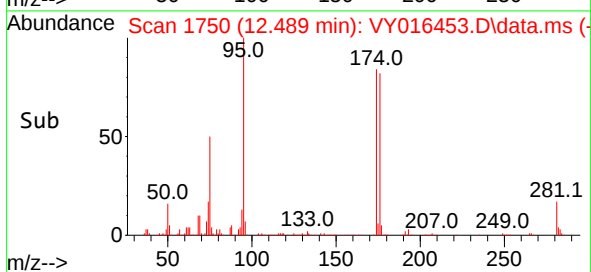
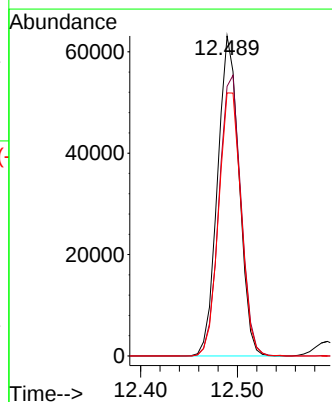
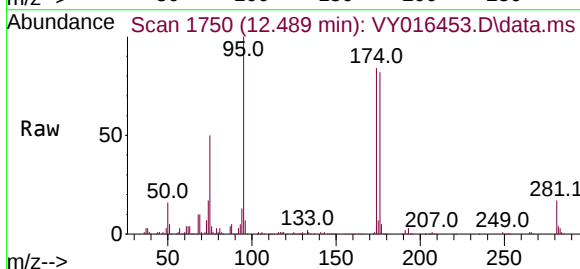
Instrument :  
MSVOA\_Y  
ClientSampleId :

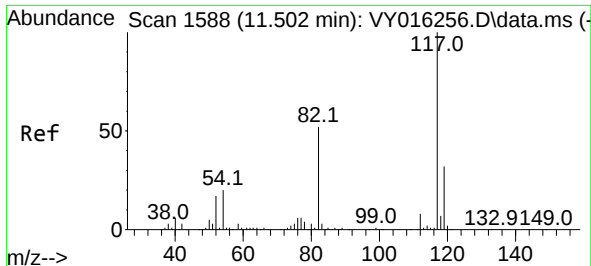
Tgt Ion:107 Resp: 26998  
Ion Ratio Lower Upper  
107 100  
109 94.0 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 52.765 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 95 Resp: 97360  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 178.2  
176 86.1 0.0 173.8

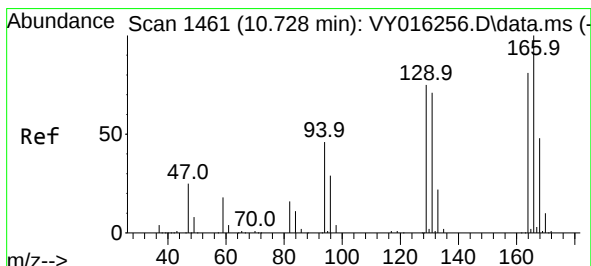
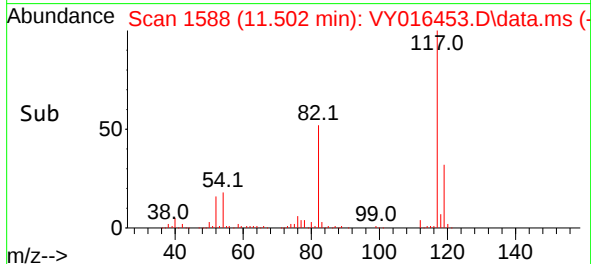
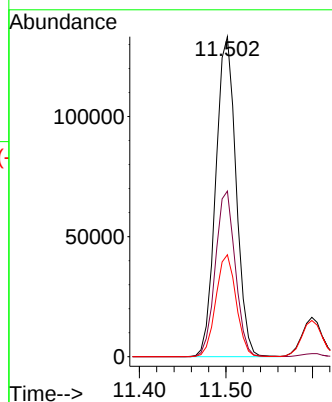
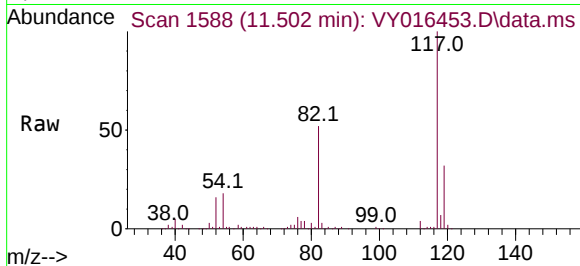




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

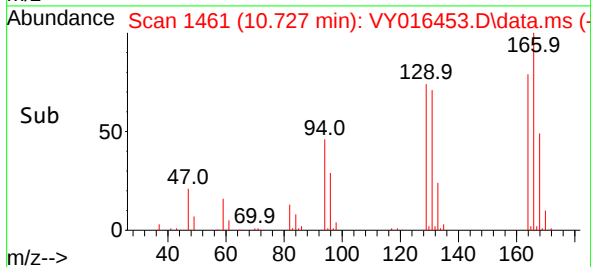
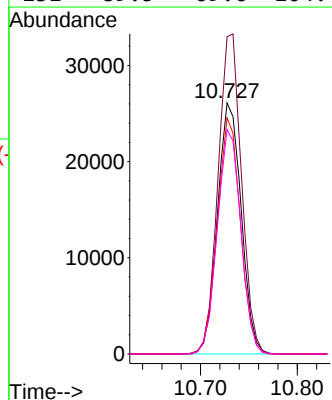
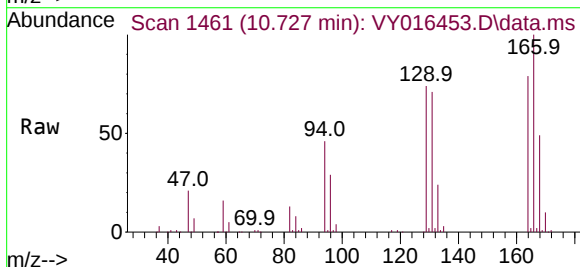
Instrument :  
MSVOA\_Y  
ClientSampleId :

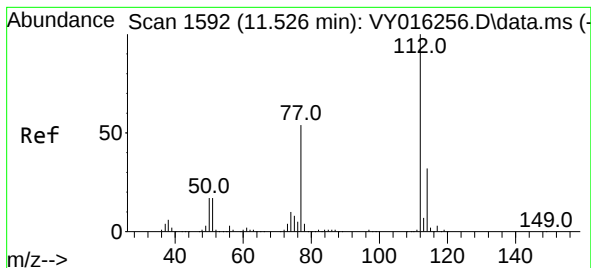
Tgt Ion:117 Resp: 216820  
Ion Ratio Lower Upper  
117 100  
82 51.7 43.4 65.0  
119 31.8 26.3 39.5



#64  
Tetrachloroethene  
Concen: 22.837 ug/l  
RT: 10.727 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion:164 Resp: 44460  
Ion Ratio Lower Upper  
164 100  
166 126.4 103.0 154.6  
129 94.1 77.2 115.8  
131 89.5 69.6 104.4





#65

Chlorobenzene

Concen: 21.997 ug/l

RT: 11.526 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

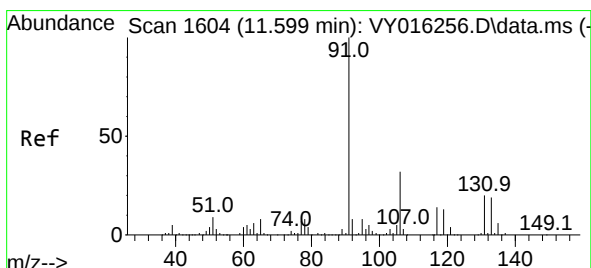
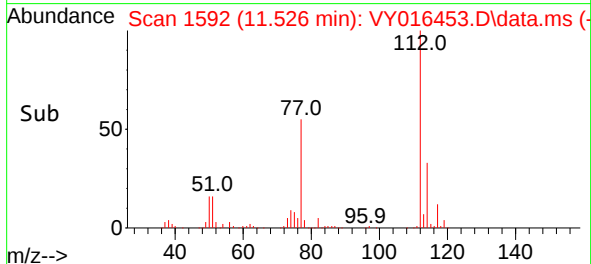
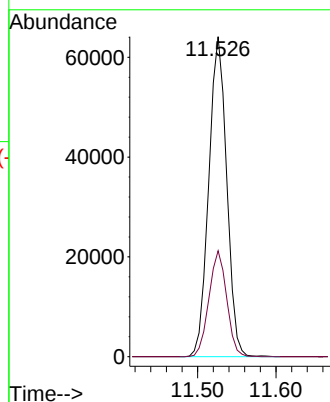
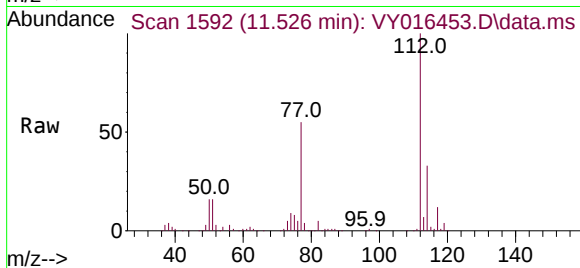
ClientSampleId :

Tgt Ion:112 Resp: 101897

Ion Ratio Lower Upper

112 100

114 33.1 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 22.392 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

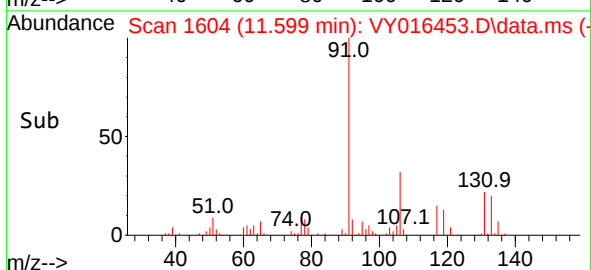
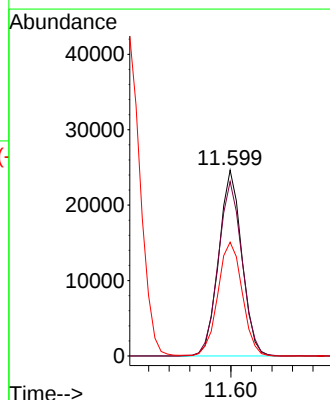
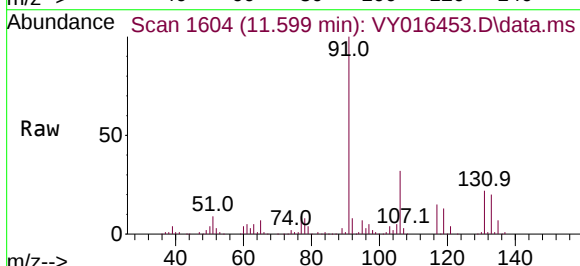
Tgt Ion:131 Resp: 38259

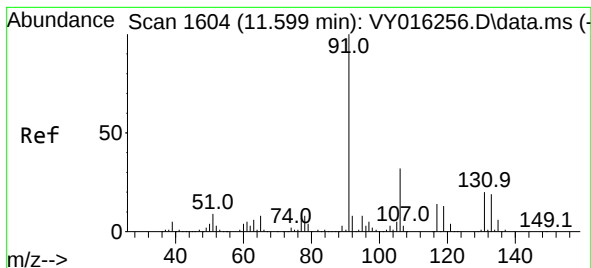
Ion Ratio Lower Upper

131 100

133 97.1 47.5 142.6

119 65.0 31.6 94.7





#67

Ethyl Benzene

Concen: 21.638 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

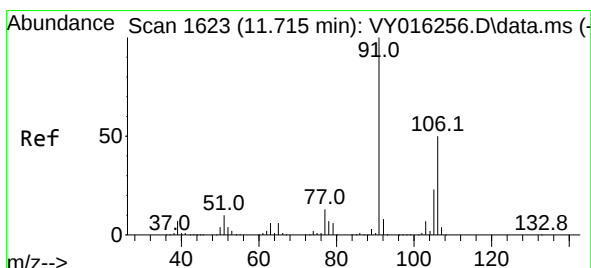
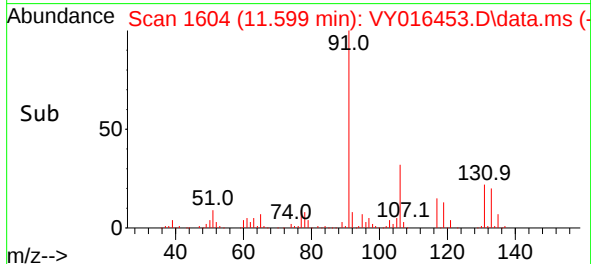
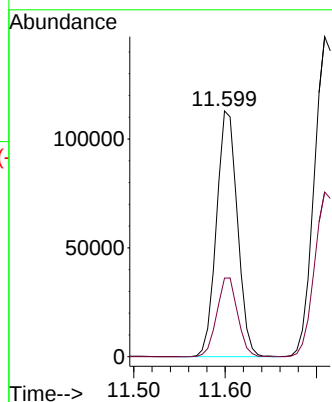
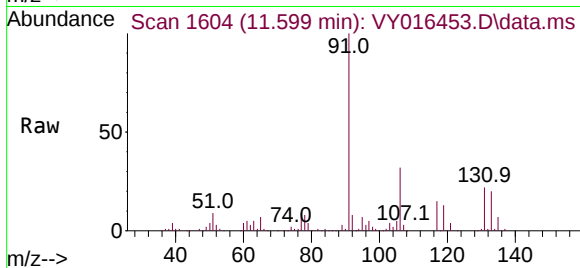
ClientSampleId :

Tgt Ion: 91 Resp: 180143

Ion Ratio Lower Upper

91 100

106 32.0 24.6 36.8



#68

m/p-Xylenes

Concen: 44.300 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. -0.006 min

Lab File: VY016453.D

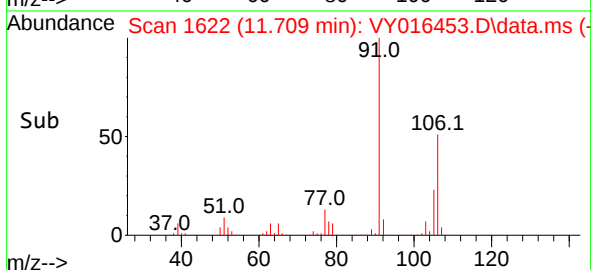
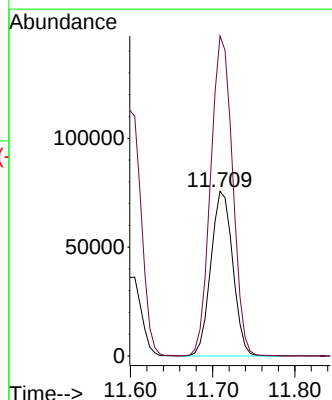
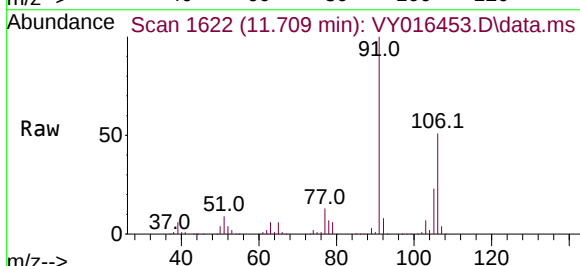
Acq: 22 Nov 2023 10:57

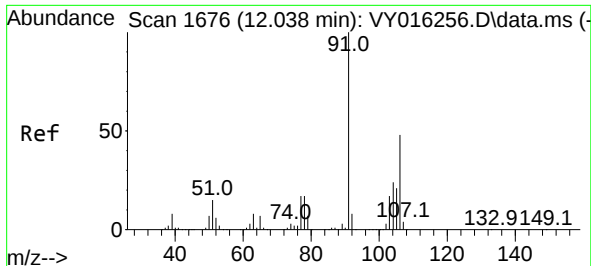
Tgt Ion:106 Resp: 139885

Ion Ratio Lower Upper

106 100

91 195.3 166.1 249.1

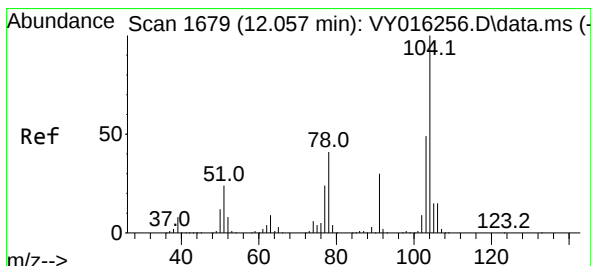
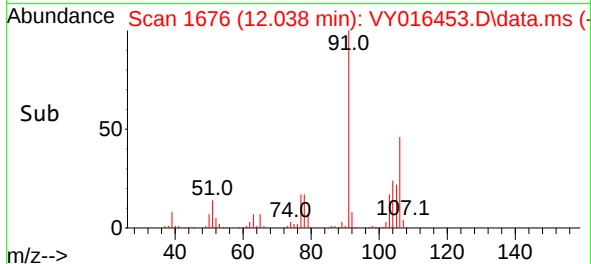
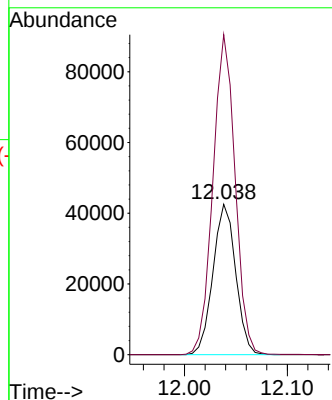
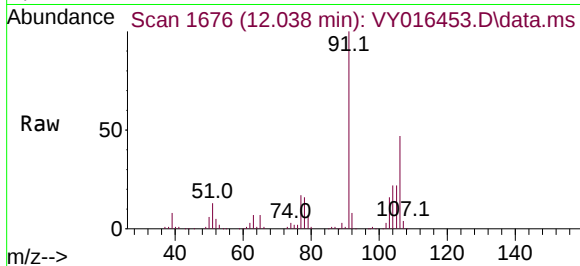




#69  
o-Xylene  
Concen: 22.267 ug/l  
RT: 12.038 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

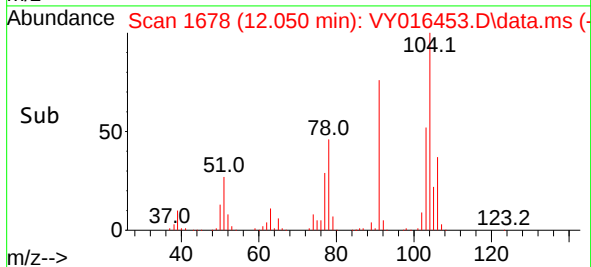
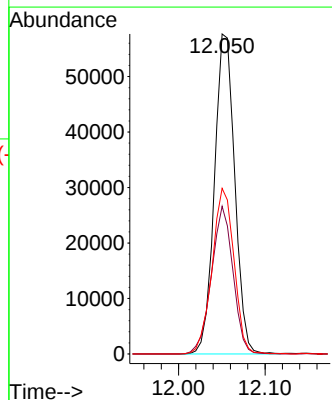
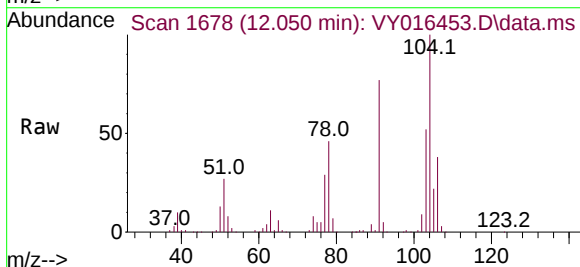
Instrument :  
MSVOA\_Y  
ClientSampleId :

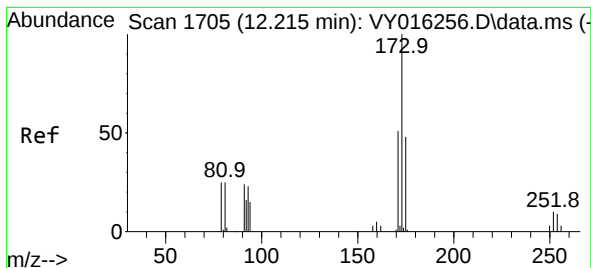
Tgt Ion:106 Resp: 65283  
Ion Ratio Lower Upper  
106 100  
91 207.7 108.1 324.3



#70  
Styrene  
Concen: 22.406 ug/l  
RT: 12.050 min Scan# 1678  
Delta R.T. -0.006 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion:104 Resp: 94060  
Ion Ratio Lower Upper  
104 100  
78 48.8 41.5 62.3  
103 55.8 44.6 67.0





#71

Bromoform

Concen: 23.937 ug/l

RT: 12.221 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

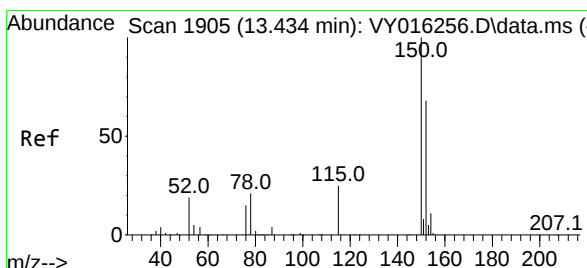
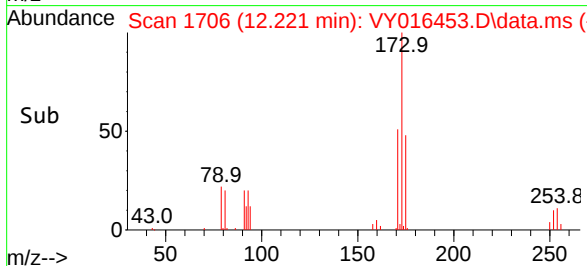
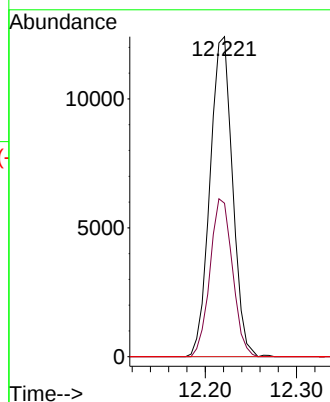
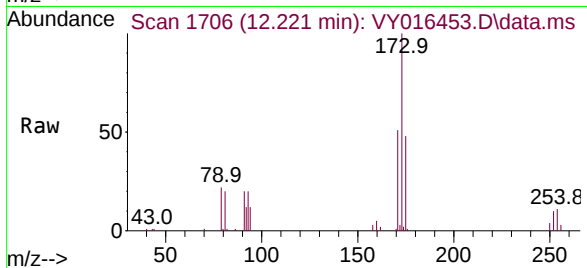
Tgt Ion:173 Resp: 21222

Ion Ratio Lower Upper

173 100

175 49.2 24.6 73.8

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

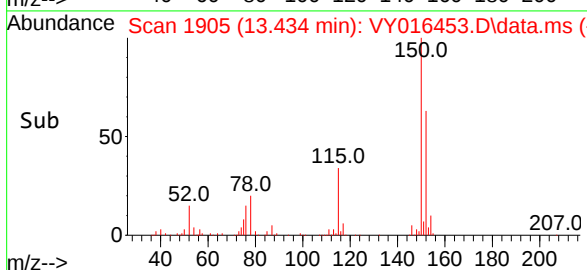
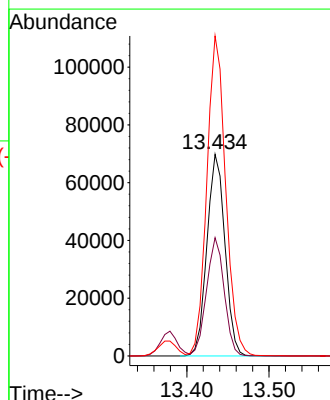
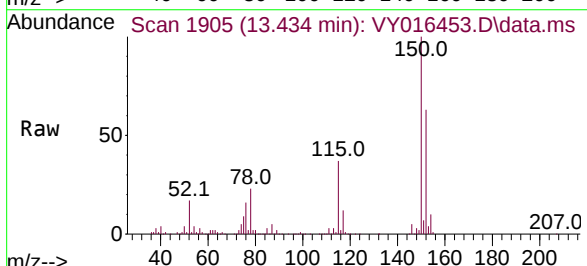
Tgt Ion:152 Resp: 106254

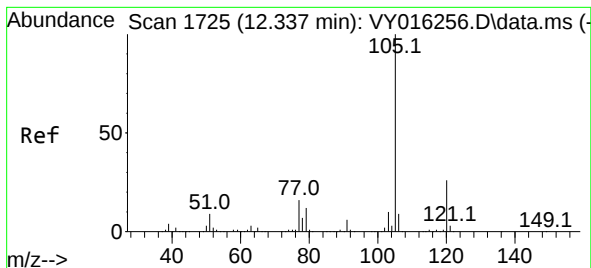
Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 165.7 0.0 348.8





#73

Isopropylbenzene

Concen: 20.546 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

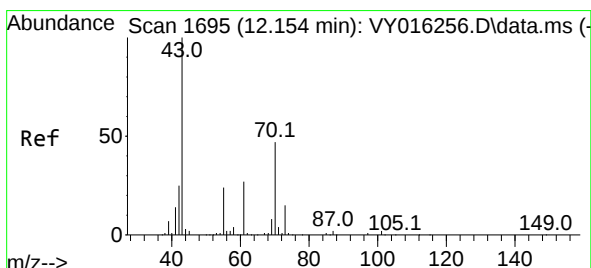
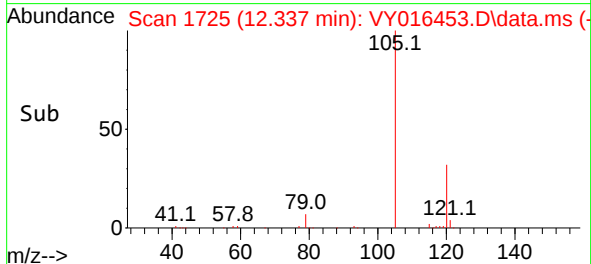
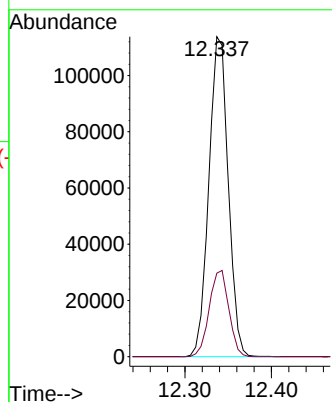
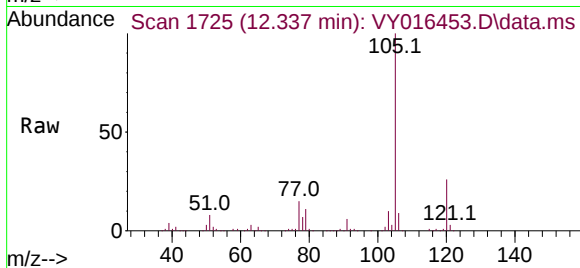
ClientSampleId :

Tgt Ion:105 Resp: 176786

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9



#74

N-ethyl acetate

Concen: 18.101 ug/l

RT: 12.154 min Scan# 1695

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Tgt Ion: 43 Resp: 31284

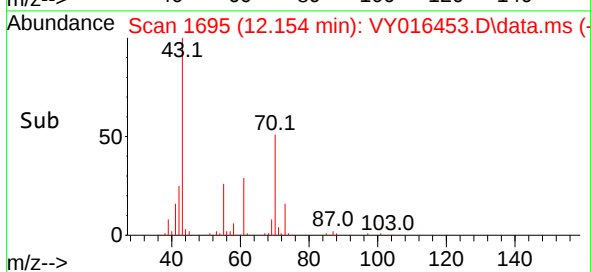
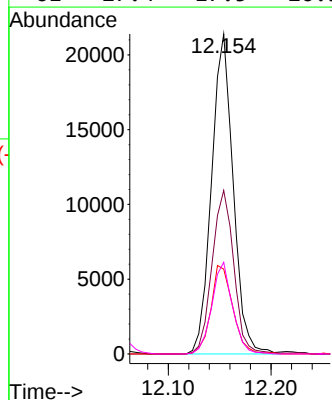
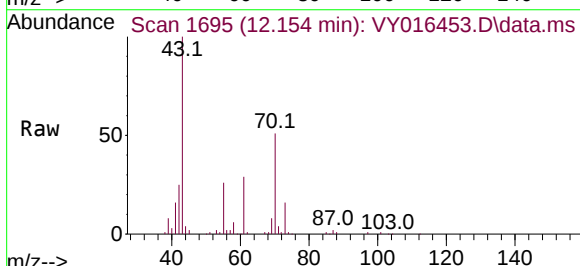
Ion Ratio Lower Upper

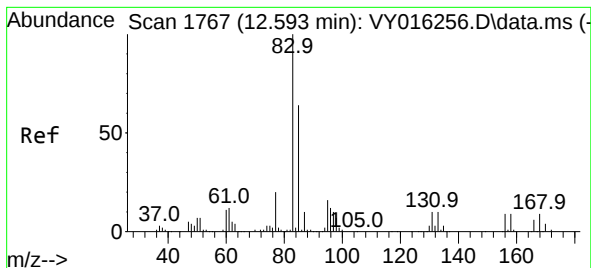
43 100

70 51.4 29.7 44.5#

55 27.9 18.3 27.5#

61 27.4 17.5 26.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 20.575 ug/l

RT: 12.593 min Scan# 1767

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

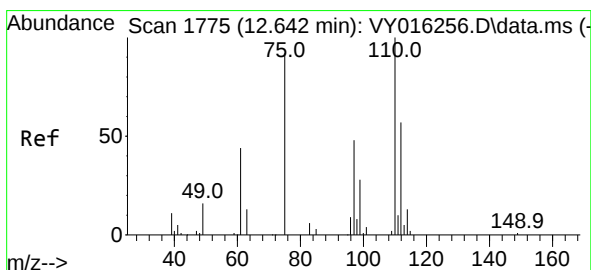
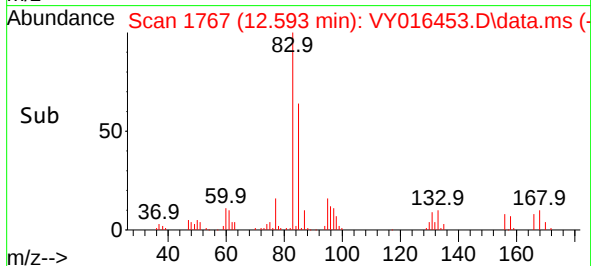
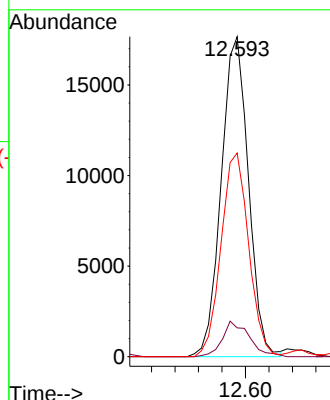
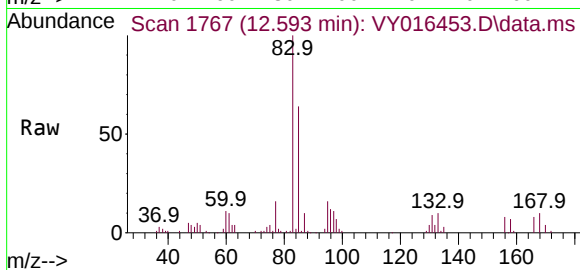
Tgt Ion: 83 Resp: 28407

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

85 64.7 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 37.516 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VY016453.D

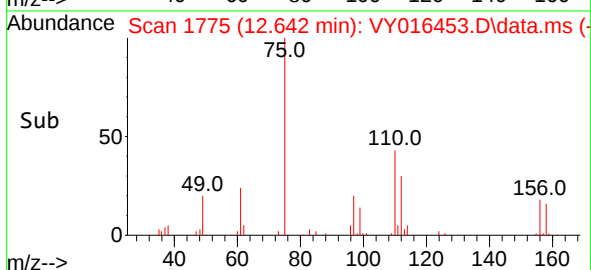
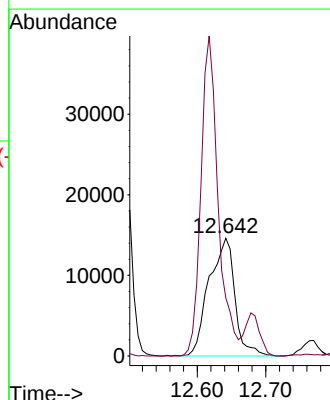
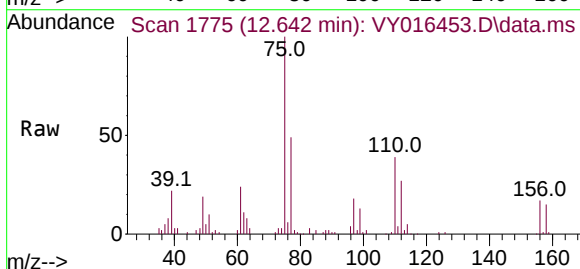
Acq: 22 Nov 2023 10:57

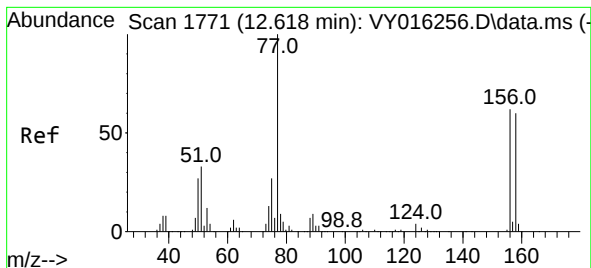
Tgt Ion: 75 Resp: 38239

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.436 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

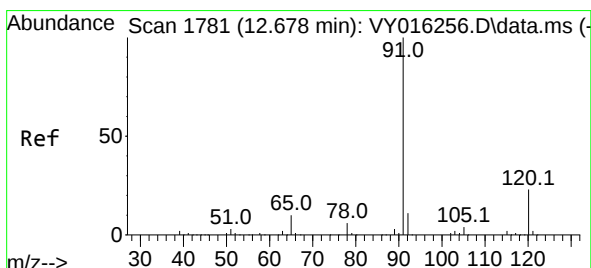
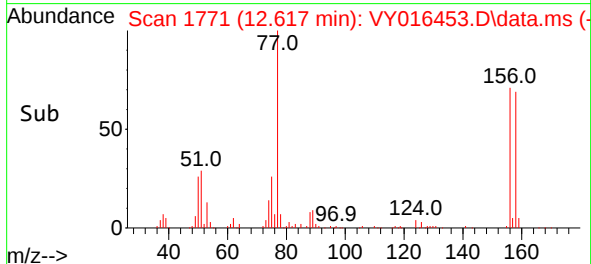
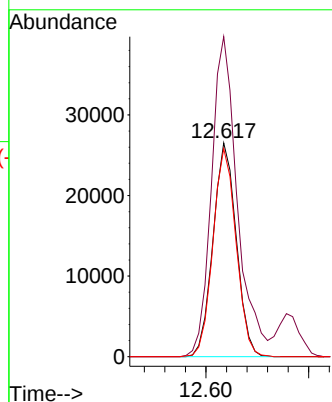
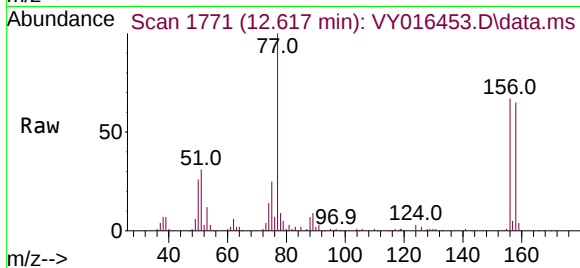
Tgt Ion:156 Resp: 41685

Ion Ratio Lower Upper

156 100

77 166.8 92.8 278.6

158 96.8 48.4 145.3



#78

n-propylbenzene

Concen: 20.086 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VY016453.D

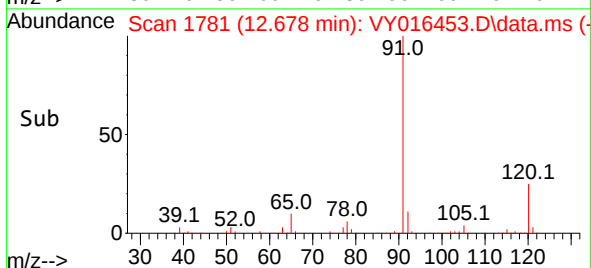
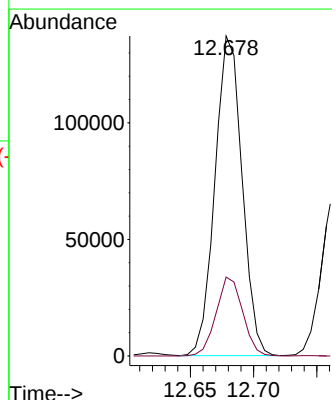
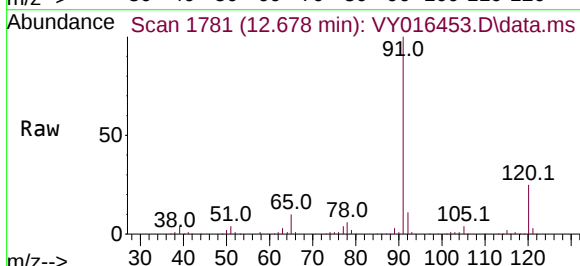
Acq: 22 Nov 2023 10:57

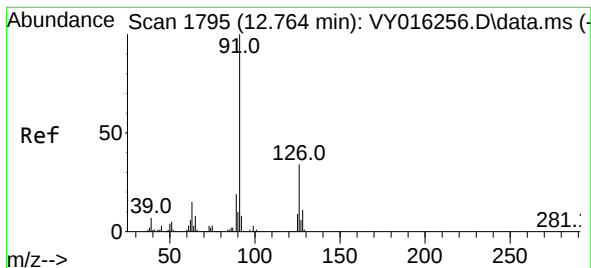
Tgt Ion: 91 Resp: 204243

Ion Ratio Lower Upper

91 100

120 24.1 11.5 34.4

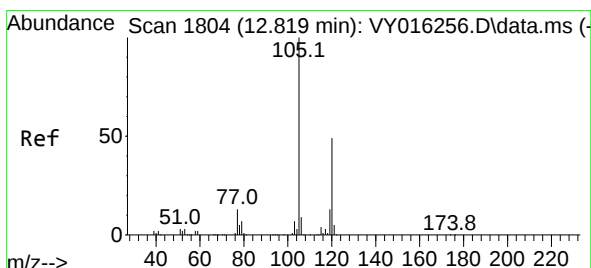
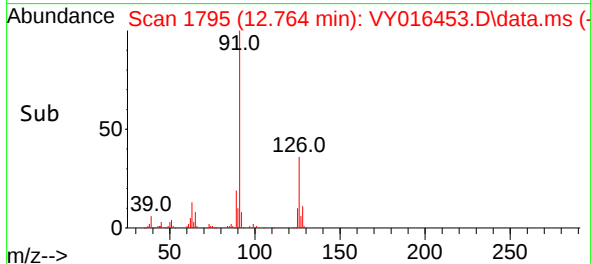
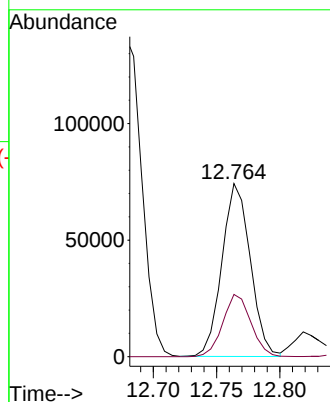
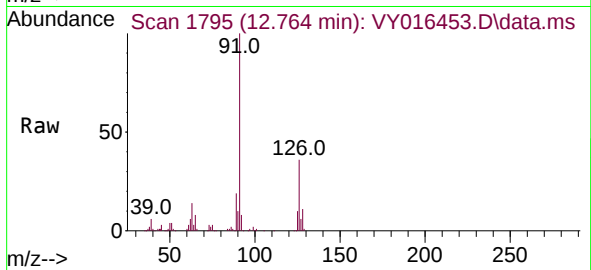




#79  
2-Chlorotoluene  
Concen: 20.655 ug/l  
RT: 12.764 min Scan# 1795  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

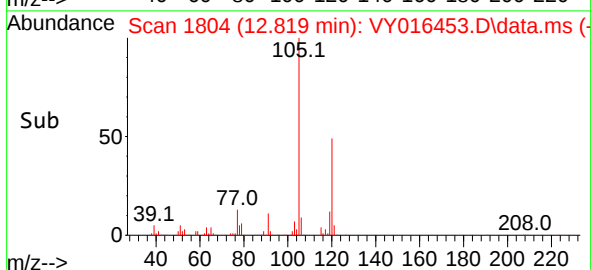
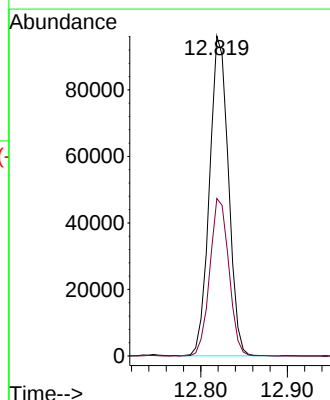
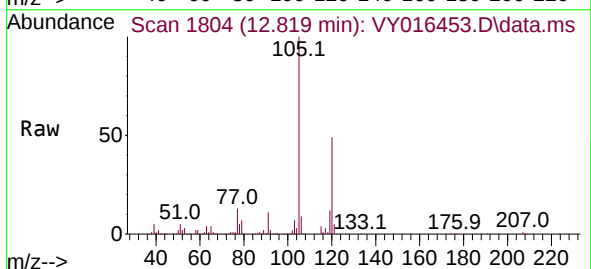
Instrument :  
MSVOA\_Y  
ClientSampleId :

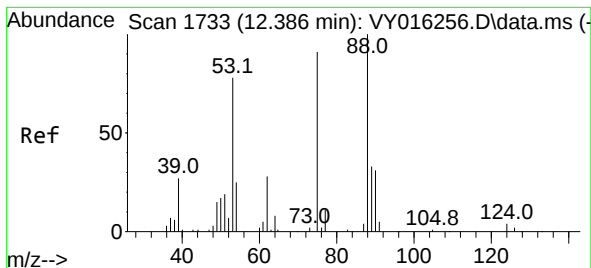
Tgt Ion: 91 Resp: 115748  
Ion Ratio Lower Upper  
91 100  
126 35.7 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 20.988 ug/l  
RT: 12.819 min Scan# 1804  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 105 Resp: 145598  
Ion Ratio Lower Upper  
105 100  
120 49.6 23.9 71.7

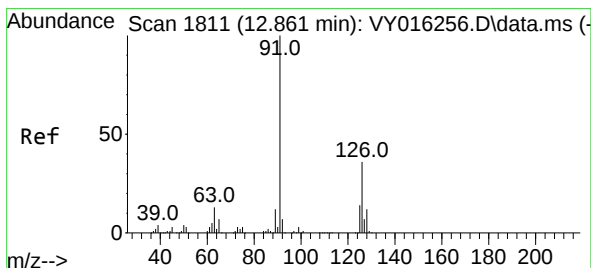
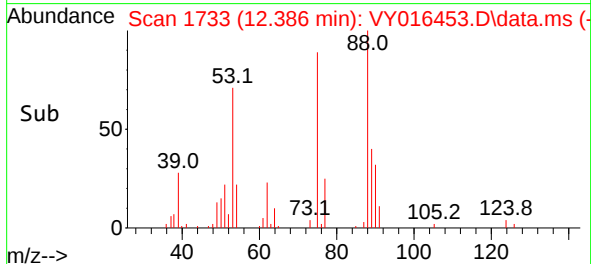
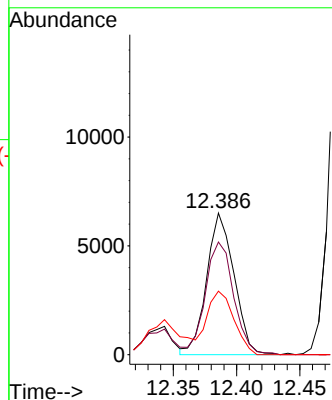
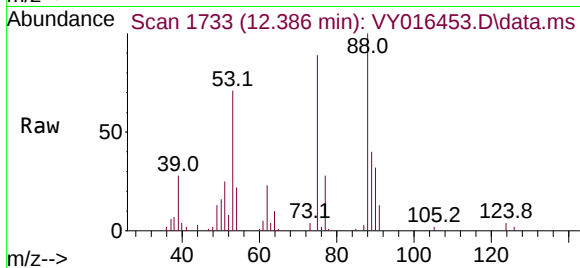




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.842 ug/l  
RT: 12.386 min Scan# 1733  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

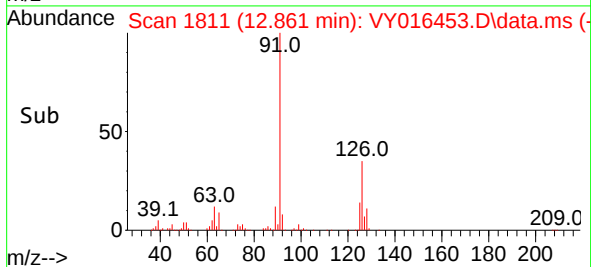
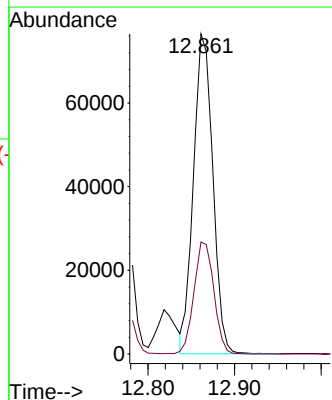
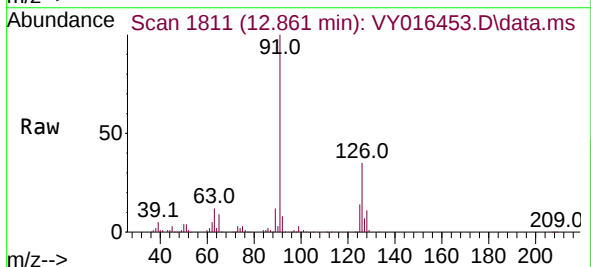
Instrument :  
MSVOA\_Y  
ClientSampleId :

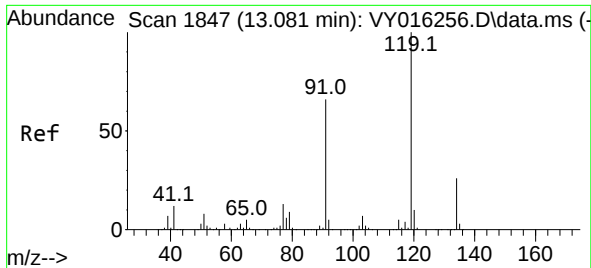
Tgt Ion: 75 Resp: 9787  
Ion Ratio Lower Upper  
75 100  
53 81.7 77.8 116.8  
89 44.1 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 20.527 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 91 Resp: 118859  
Ion Ratio Lower Upper  
91 100  
126 36.0 17.2 51.6

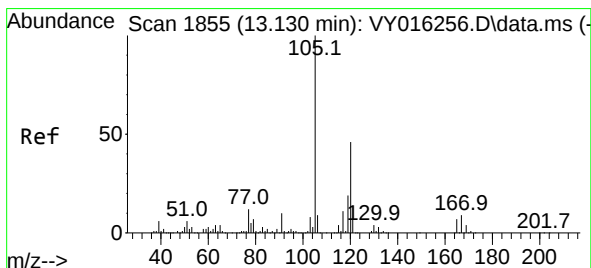
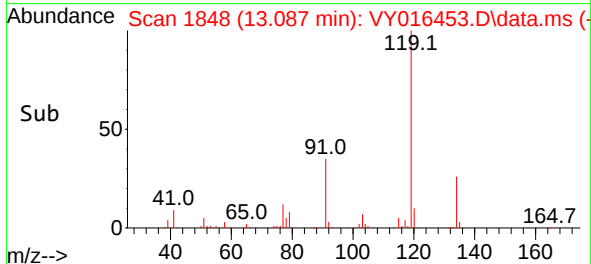
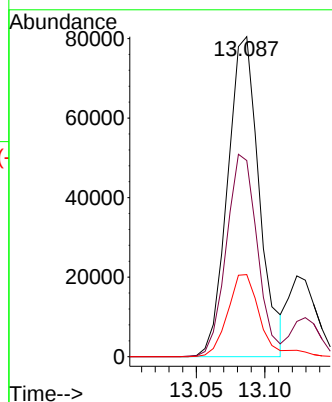
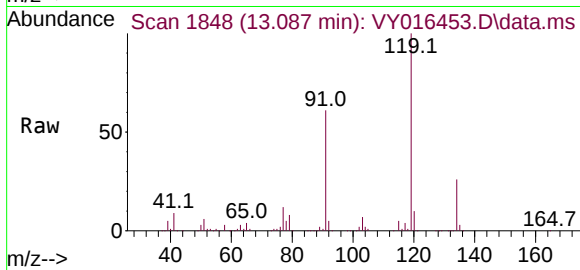




#83  
tert-Butylbenzene  
Concen: 21.166 ug/l  
RT: 13.087 min Scan# 1847  
Delta R.T. 0.006 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

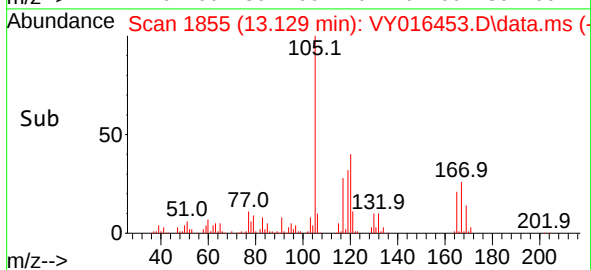
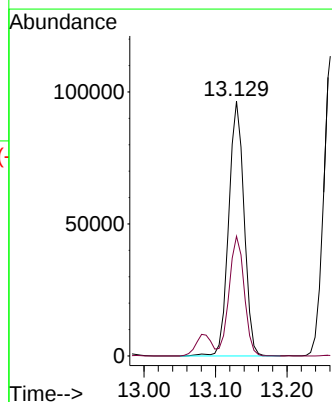
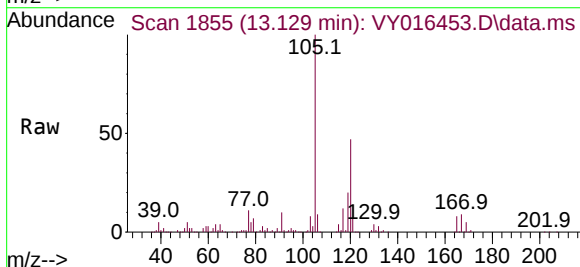
Instrument :  
MSVOA\_Y  
ClientSampleId :

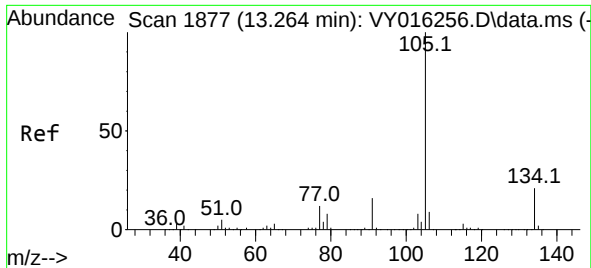
Tgt Ion:119 Resp: 129329  
Ion Ratio Lower Upper  
119 100  
91 62.0 32.9 98.6  
134 26.6 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 20.982 ug/l  
RT: 13.129 min Scan# 1855  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion:105 Resp: 143323  
Ion Ratio Lower Upper  
105 100  
120 46.6 22.2 66.6

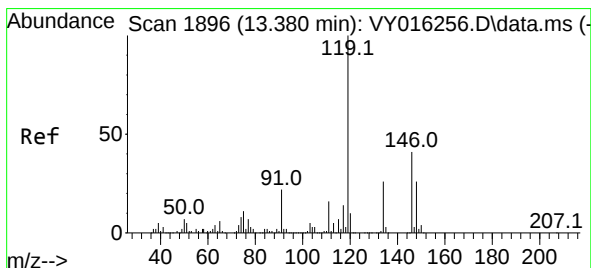
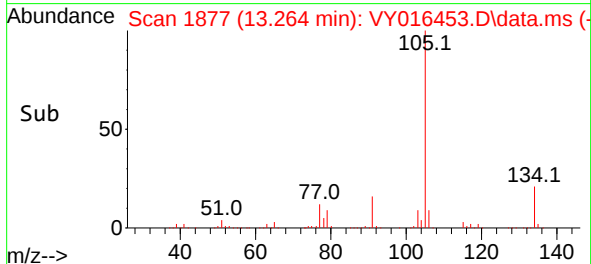
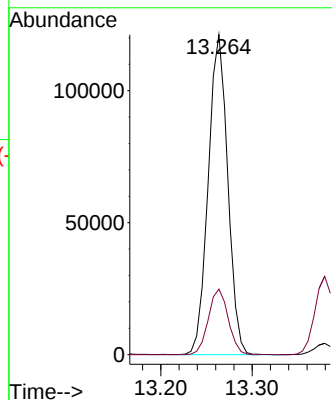
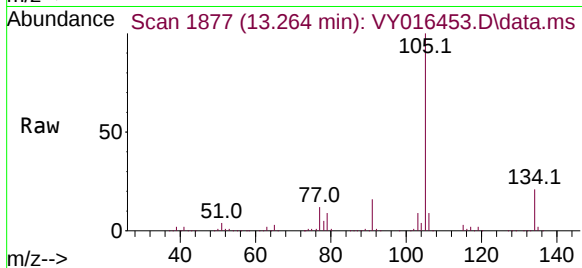




#85  
 sec-Butylbenzene  
 Concen: 20.525 ug/l  
 RT: 13.264 min Scan# 1877  
 Delta R.T. -0.000 min  
 Lab File: VY016453.D  
 Acq: 22 Nov 2023 10:57

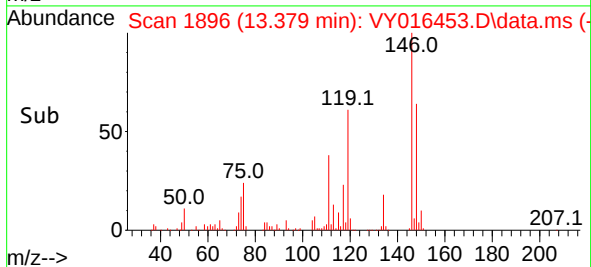
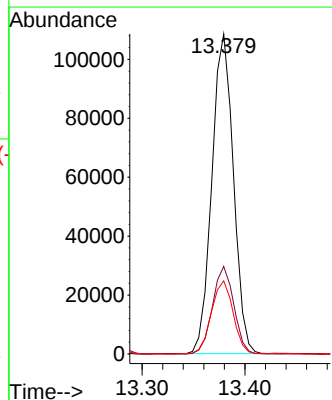
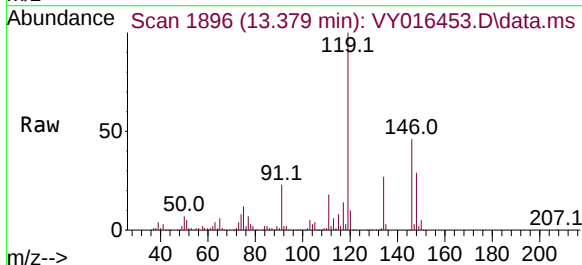
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

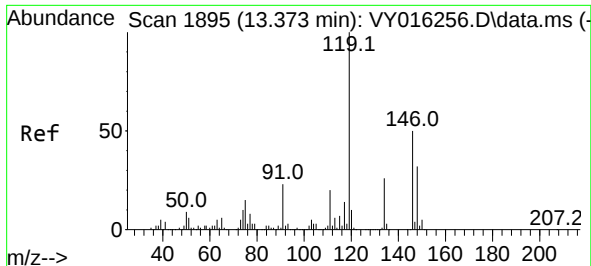
Tgt Ion:105 Resp: 179171  
 Ion Ratio Lower Upper  
 105 100  
 134 20.8 10.2 30.6



#86  
 p-Isopropyltoluene  
 Concen: 20.952 ug/l  
 RT: 13.379 min Scan# 1896  
 Delta R.T. -0.000 min  
 Lab File: VY016453.D  
 Acq: 22 Nov 2023 10:57

Tgt Ion:119 Resp: 157487  
 Ion Ratio Lower Upper  
 119 100  
 134 27.1 13.3 39.8  
 91 23.2 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 21.375 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

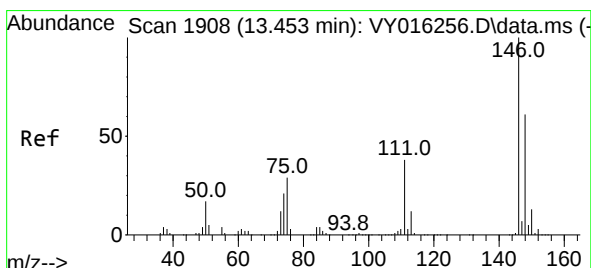
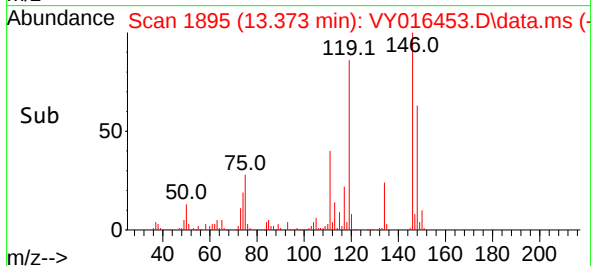
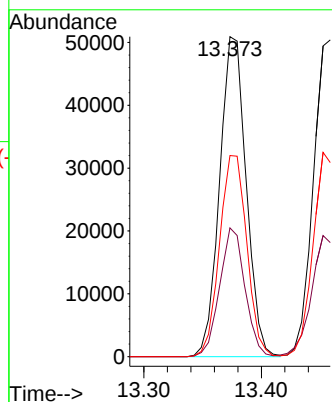
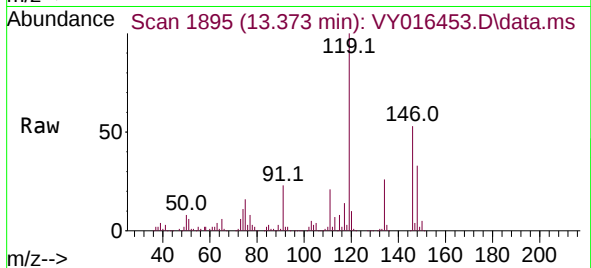
Tgt Ion:146 Resp: 79968

Ion Ratio Lower Upper

146 100

111 38.4 19.4 58.2

148 64.5 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 21.707 ug/l

RT: 13.459 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

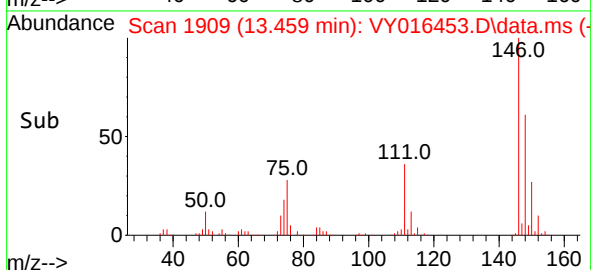
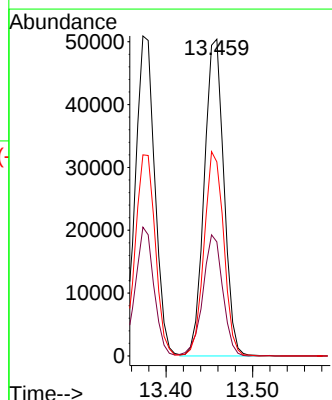
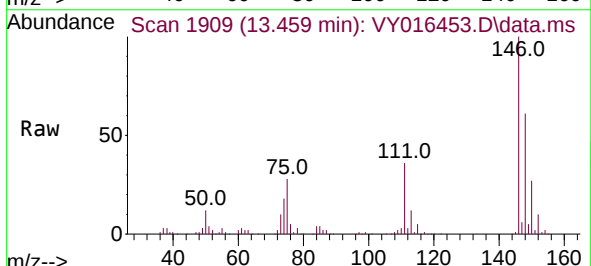
Tgt Ion:146 Resp: 79369

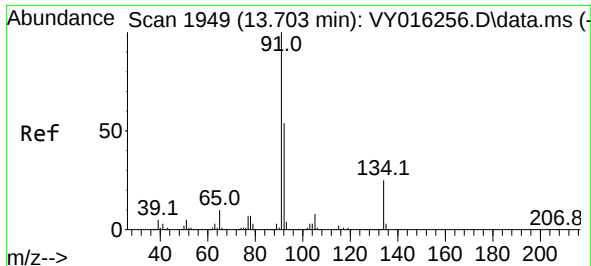
Ion Ratio Lower Upper

146 100

111 38.7 18.9 56.7

148 64.3 32.1 96.5





#89

n-Butylbenzene

Concen: 20.392 ug/l

RT: 13.709 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

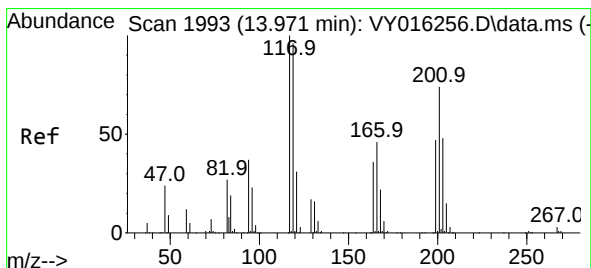
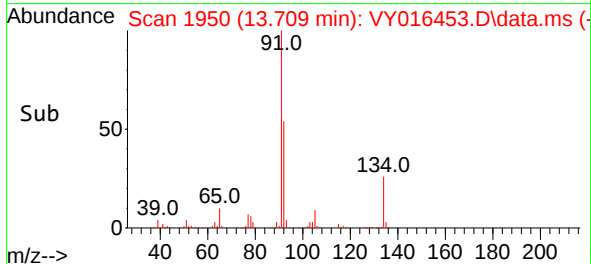
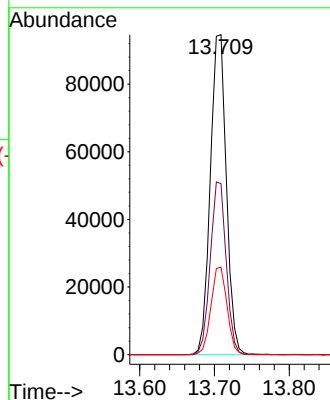
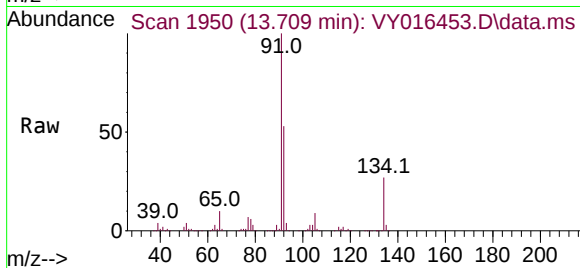
Tgt Ion: 91 Resp: 141557

Ion Ratio Lower Upper

91 100

92 53.4 25.4 76.0

134 27.3 12.6 37.6



#90

Hexachloroethane

Concen: 20.704 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VY016453.D

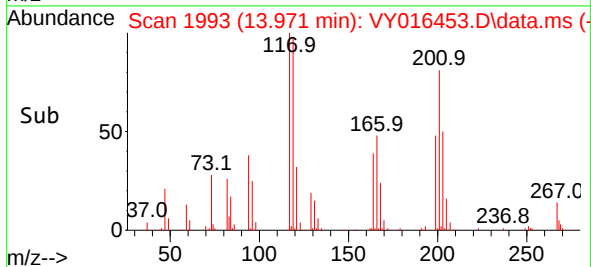
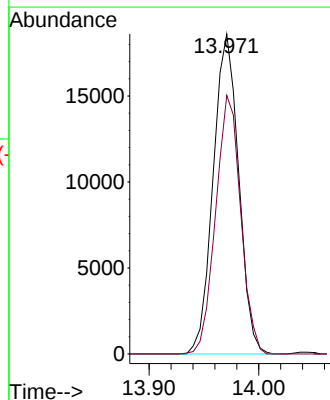
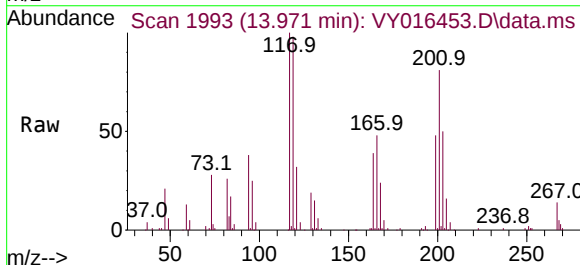
Acq: 22 Nov 2023 10:57

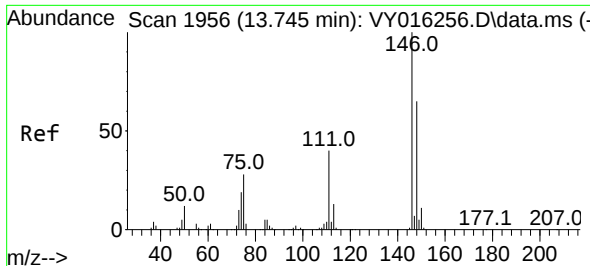
Tgt Ion: 117 Resp: 30021

Ion Ratio Lower Upper

117 100

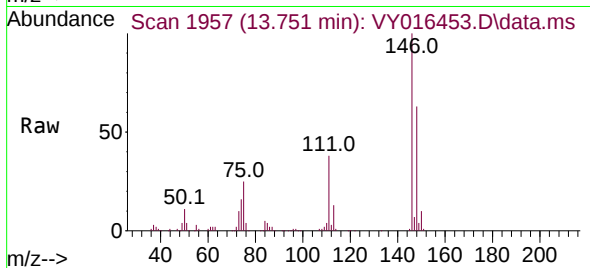
201 79.3 41.6 124.8



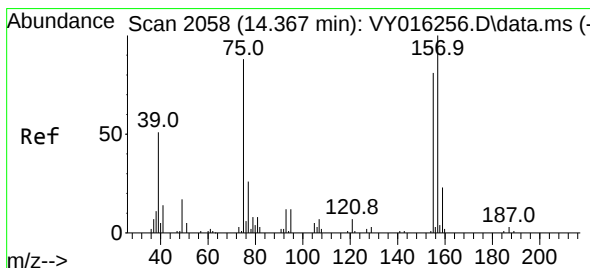
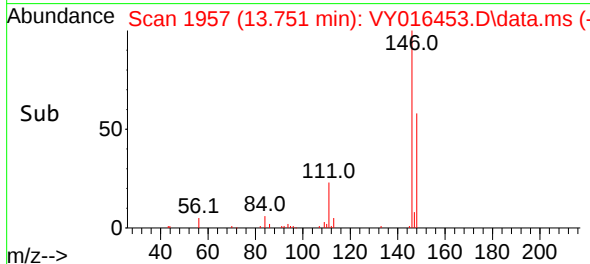
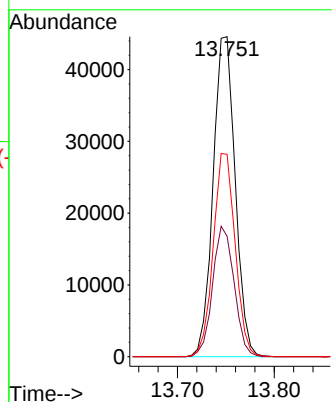


#91  
1,2-Dichlorobenzene  
Concen: 22.087 ug/l  
RT: 13.751 min Scan# 1956  
Delta R.T. 0.006 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Instrument :  
MSVOA\_Y  
ClientSampleId :

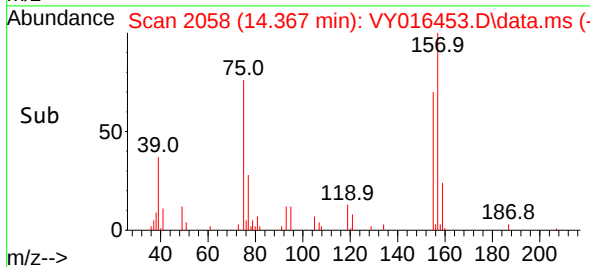
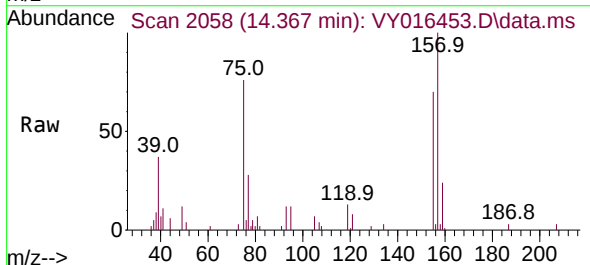
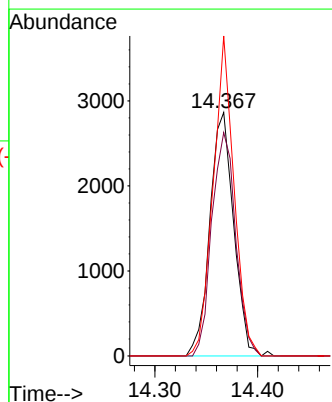


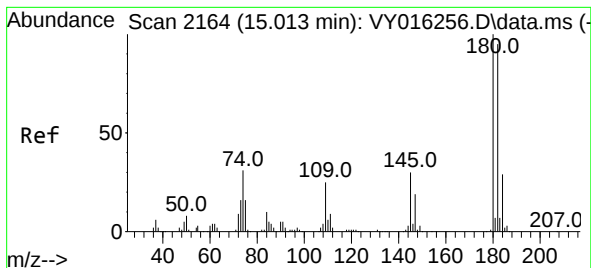
Tgt Ion:146 Resp: 70808  
Ion Ratio Lower Upper  
146 100  
111 39.7 19.7 59.0  
148 63.1 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 21.014 ug/l  
RT: 14.367 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: VY016453.D  
Acq: 22 Nov 2023 10:57

Tgt Ion: 75 Resp: 4616  
Ion Ratio Lower Upper  
75 100  
155 91.6 41.5 124.6  
157 114.9 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 21.994 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

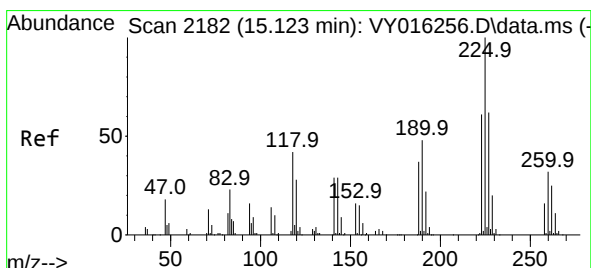
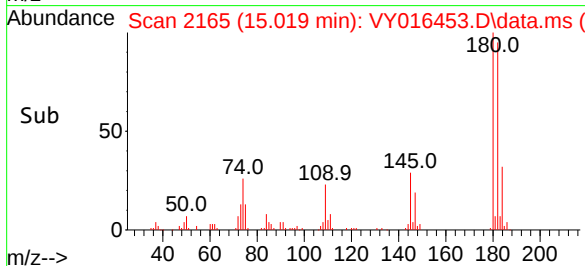
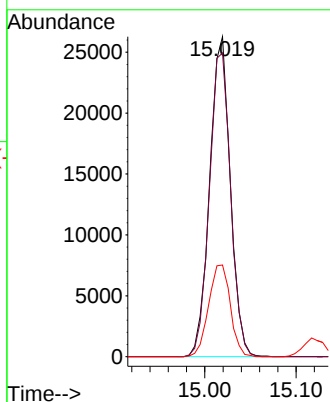
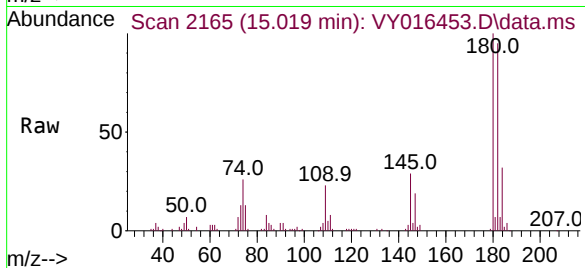
Tgt Ion:180 Resp: 41157

Ion Ratio Lower Upper

180 100

182 97.6 47.0 141.2

145 30.2 14.5 43.5



#94

Hexachlorobutadiene

Concen: 24.155 ug/l

RT: 15.123 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

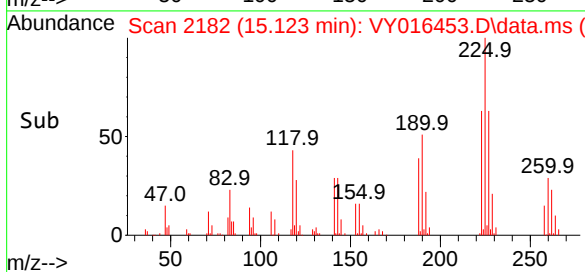
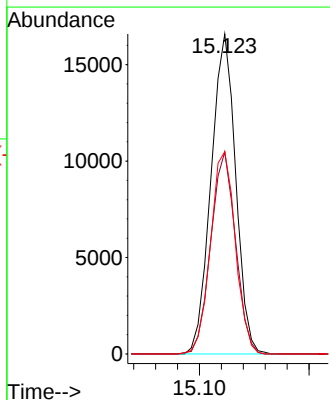
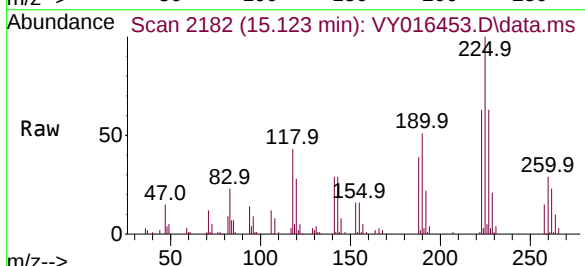
Tgt Ion:225 Resp: 25896

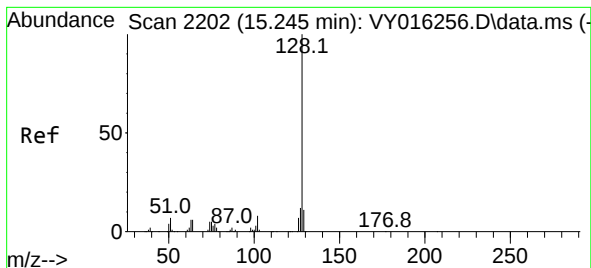
Ion Ratio Lower Upper

225 100

223 63.3 31.9 95.9

227 63.8 33.0 98.9





#95

Naphthalene

Concen: 22.446 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY016453.D

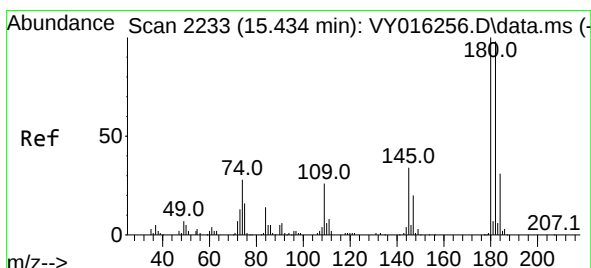
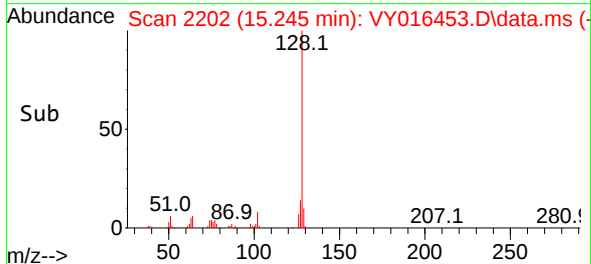
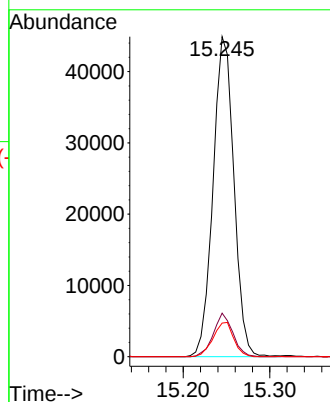
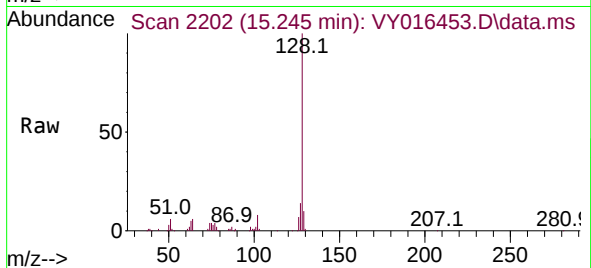
Acq: 22 Nov 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 75124 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 12.7  | 10.8  | 16.2  |
| 129       | 10.6  | 8.6   | 13.0  |



#96

1,2,3-Trichlorobenzene

Concen: 22.754 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY016453.D

Acq: 22 Nov 2023 10:57

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 35219 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.8  | 47.3  | 141.8 |
| 145       | 31.8  | 15.4  | 46.2  |

