

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051623\  
 Data File : VY013764.D  
 Acq On : 16 May 2023 17:09  
 Operator : KP/MD  
 Sample : VY0516SBS03  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0516SBS03

Quant Time: May 17 07:51:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 176986   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 278088   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 248340   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 132792   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 112082   | 57.770   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 115.540% |      |
| 35) Dibromofluoromethane    | 7.716  | 113   | 105279   | 60.192   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 120.380% |      |
| 50) Toluene-d8              | 10.179 | 98    | 341910   | 54.951   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 109.900% |      |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 133103   | 63.454   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 126.900% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 36150  | 21.485  | ug/l   | 96  |
| 3) Chloromethane             | 2.107 | 50  | 55090  | 24.426  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.247 | 62  | 55061  | 24.519  | ug/l   | 97  |
| 5) Bromomethane              | 2.649 | 94  | 52652  | 29.422  | ug/l   | 100 |
| 6) Chloroethane              | 2.790 | 64  | 42194  | 27.198  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.119 | 101 | 79430  | 23.348  | ug/l   | 100 |
| 8) Diethyl Ether             | 3.527 | 74  | 27064  | 23.362  | ug/l   | 82  |
| 9) 1,1,2-Trichlorotrifluo... | 3.893 | 101 | 47868  | 25.085  | ug/l   | 94  |
| 10) Methyl Iodide            | 4.082 | 142 | 42870  | 17.887  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 4.972 | 59  | 23910  | 109.780 | ug/l # | 96  |
| 12) 1,1-Dichloroethene       | 3.869 | 96  | 41844  | 22.749  | ug/l   | 93  |
| 13) Acrolein                 | 3.729 | 56  | 16226  | 90.052  | ug/l   | 94  |
| 14) Allyl chloride           | 4.472 | 41  | 82297  | 24.113  | ug/l   | 97  |
| 15) Acrylonitrile            | 5.161 | 53  | 80371  | 123.878 | ug/l   | 99  |
| 16) Acetone                  | 3.954 | 43  | 86899  | 113.734 | ug/l # | 87  |
| 17) Carbon Disulfide         | 4.186 | 76  | 119496 | 20.000  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.478 | 43  | 62787  | 24.881  | ug/l   | 92  |
| 19) Methyl tert-butyl Ether  | 5.216 | 73  | 128734 | 24.242  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.710 | 84  | 68977  | 24.729  | ug/l # | 81  |
| 21) trans-1,2-Dichloroethene | 5.210 | 96  | 47814  | 23.775  | ug/l   | 96  |
| 22) Diisopropyl ether        | 6.112 | 45  | 178591 | 26.771  | ug/l # | 92  |
| 23) Vinyl Acetate            | 6.051 | 43  | 520941 | 137.923 | ug/l   | 95  |
| 24) 1,1-Dichloroethane       | 6.009 | 63  | 96286  | 25.898  | ug/l   | 97  |
| 25) 2-Butanone               | 6.984 | 43  | 116875 | 120.616 | ug/l   | 93  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 80677  | 25.182  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 55508  | 24.980  | ug/l   | 95  |
| 28) Bromochloromethane       | 7.332 | 49  | 37370  | 28.324  | ug/l # | 77  |
| 29) Tetrahydrofuran          | 7.344 | 42  | 73460  | 121.789 | ug/l   | 89  |
| 30) Chloroform               | 7.502 | 83  | 95837  | 25.926  | ug/l   | 99  |
| 31) Cyclohexane              | 7.777 | 56  | 79700  | 22.944  | ug/l   | 91  |
| 32) 1,1,1-Trichloroethane    | 7.697 | 97  | 81952  | 24.844  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 69702  | 24.012  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.069 | 43  | 52515  | 24.040  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 7.892 | 117 | 72408  | 23.799  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.179 | 83  | 78086  | 22.818  | ug/l   | 96  |
| 40) Benzene                  | 8.155 | 78  | 203667 | 24.908  | ug/l   | 98  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051623\  
 Data File : VY013764.D  
 Acq On : 16 May 2023 17:09  
 Operator : KP/MD  
 Sample : VY0516SBS03  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0516SBS03

Quant Time: May 17 07:51:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 70770    | 69.523  | ug/l # | 21       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 66858    | 25.010  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.264  | 43   | 91078    | 24.702  | ug/l   | 97       |
| 44) Trichloroethene           | 8.935  | 130  | 52226    | 24.012  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 56995    | 26.659  | ug/l   | 99       |
| 46) Dibromomethane            | 9.301  | 93   | 32422    | 25.345  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.490  | 83   | 75659    | 26.432  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.289  | 41   | 41164    | 24.309  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 8221     | 449.977 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 257989   | 125.565 | ug/l   | 95       |
| 52) Toluene                   | 10.240 | 92   | 124587   | 25.320  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 75047    | 24.773  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 85676    | 25.134  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 42522    | 25.101  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 59301    | 25.232  | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 73322    | 25.556  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 116656   | 132.368 | ug/l   | 91       |
| 59) 2-Hexanone                | 10.831 | 43   | 185910   | 124.475 | ug/l   | 95       |
| 60) Dibromochloromethane      | 10.977 | 129  | 52243    | 25.398  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 41888    | 25.150  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.715 | 164  | 44856    | 23.754  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 132719   | 24.533  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 50773    | 25.095  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.587 | 91   | 235273   | 24.767  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.697 | 106  | 179176   | 49.615  | ug/l   | 96       |
| 69) o-Xylene                  | 12.026 | 106  | 85202    | 24.947  | ug/l   | 96       |
| 70) Styrene                   | 12.038 | 104  | 143620   | 25.150  | ug/l   | 99       |
| 71) Bromoform                 | 12.203 | 173  | 35728    | 25.211  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.325 | 105  | 225271   | 22.429  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 80724    | 22.585  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 56306    | 22.935  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 70838    | 39.555  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 53836    | 22.121  | ug/l   | 85       |
| 78) n-propylbenzene           | 12.666 | 91   | 286666   | 23.172  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 159282   | 23.056  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 189910   | 23.166  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 18117    | 20.694  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 166865   | 23.174  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 162194   | 22.837  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 186459   | 23.395  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 247757   | 23.243  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 203263   | 23.713  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 108924   | 23.492  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 110750   | 23.646  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.696 | 91   | 200486   | 23.964  | ug/l   | 96       |
| 90) Hexachloroethane          | 13.958 | 117  | 42204    | 23.394  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 99727    | 23.819  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 9206     | 21.232  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 59102    | 23.676  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 36163    | 24.892  | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 123300   | 22.765  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 53333    | 23.971  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051623\  
Data File : VY013764.D  
Acq On : 16 May 2023 17:09  
Operator : KP/MD  
Sample : VY0516SBS03  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

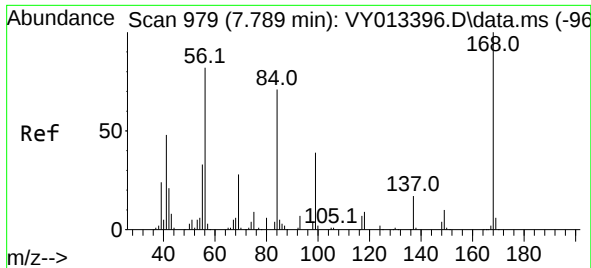
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

Quant Time: May 17 07:51:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration

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

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

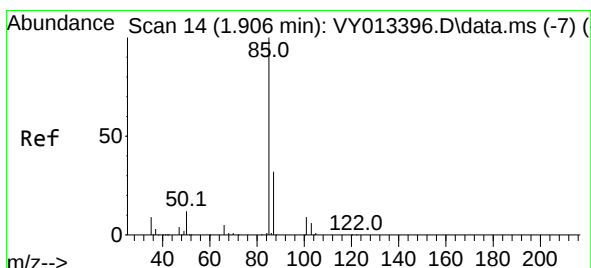
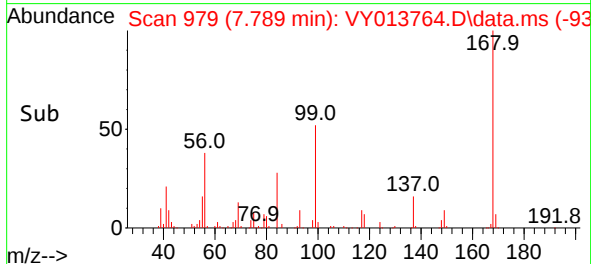
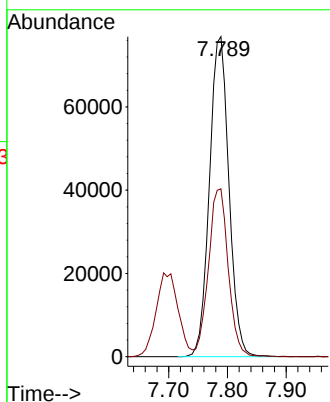
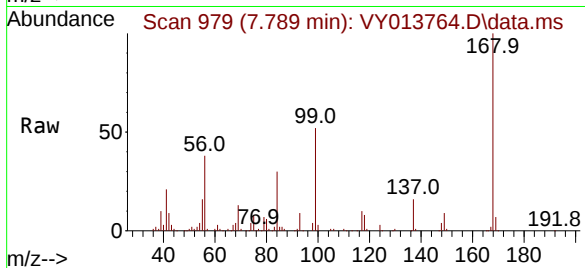




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

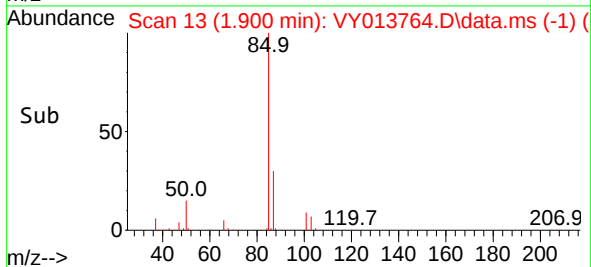
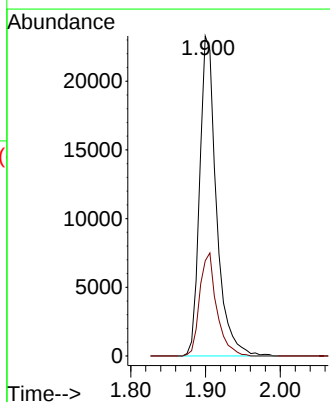
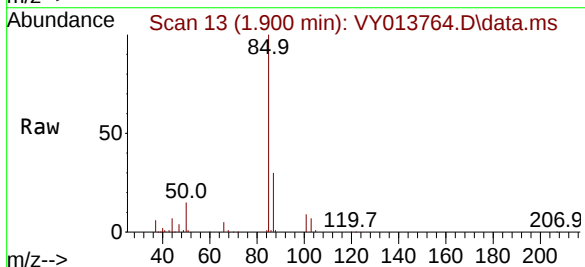
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

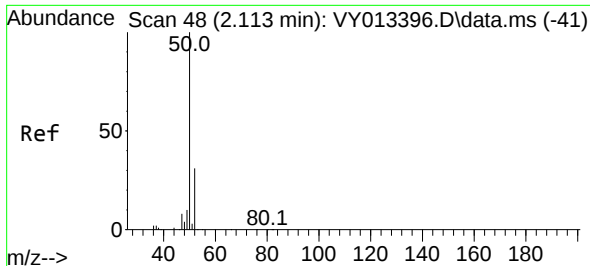
Tgt Ion:168 Resp: 176986  
Ion Ratio Lower Upper  
168 100  
99 52.4 41.8 62.6



#2  
Dichlorodifluoromethane  
Concen: 21.485 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 85 Resp: 36150  
Ion Ratio Lower Upper  
85 100  
87 29.8 16.1 48.2

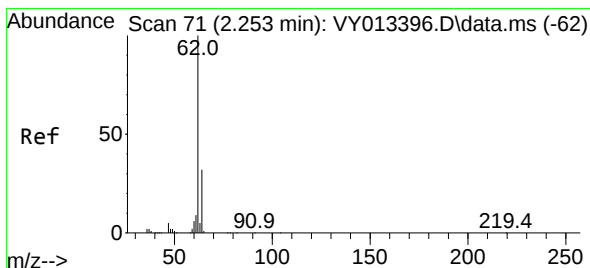
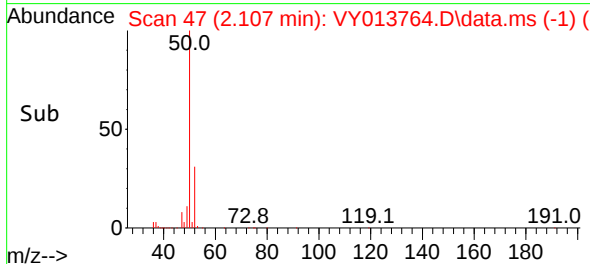
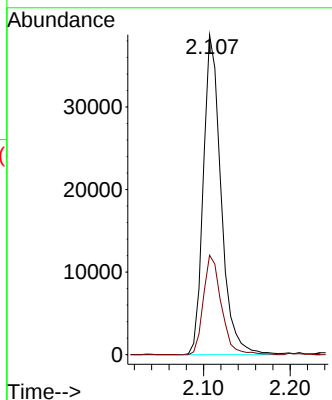
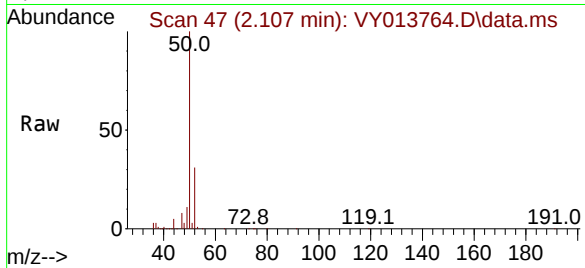




#3  
Chloromethane  
Concen: 24.426 ug/l  
RT: 2.107 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

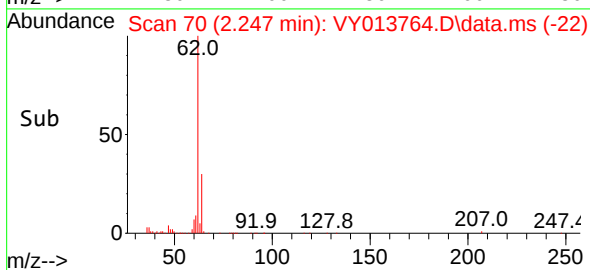
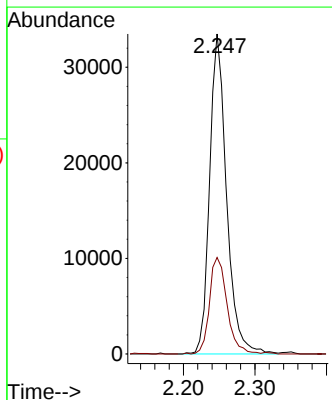
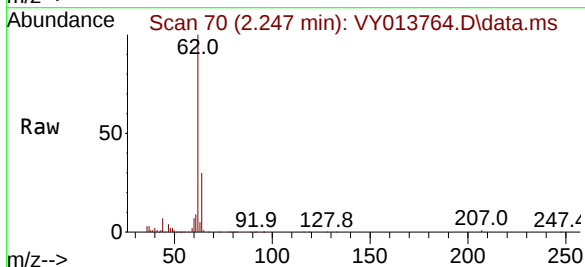
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

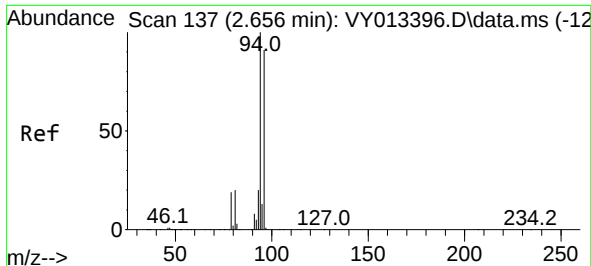
Tgt Ion: 50 Resp: 55090  
Ion Ratio Lower Upper  
50 100  
52 31.1 25.9 38.9



#4  
Vinyl Chloride  
Concen: 24.519 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 62 Resp: 55061  
Ion Ratio Lower Upper  
62 100  
64 30.1 25.4 38.0

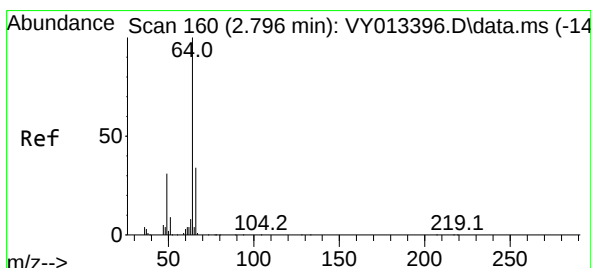
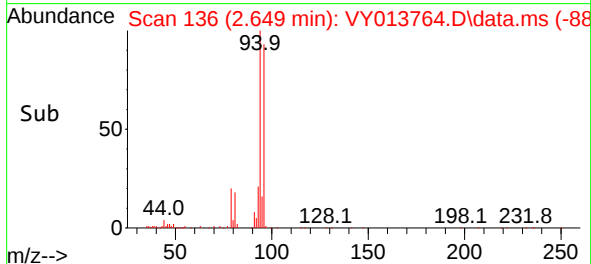
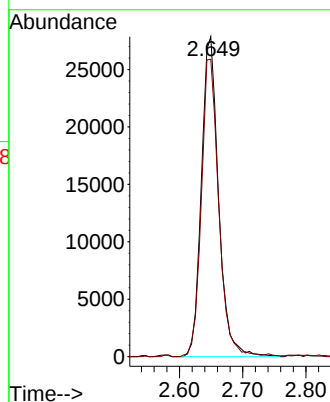
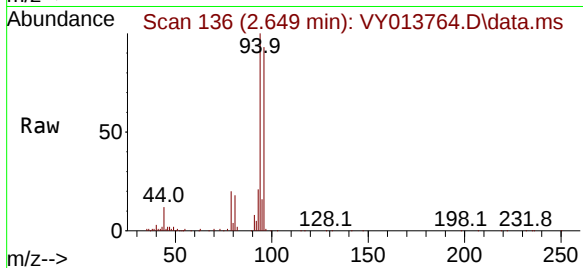




#5  
Bromomethane  
Concen: 29.422 ug/l  
RT: 2.649 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

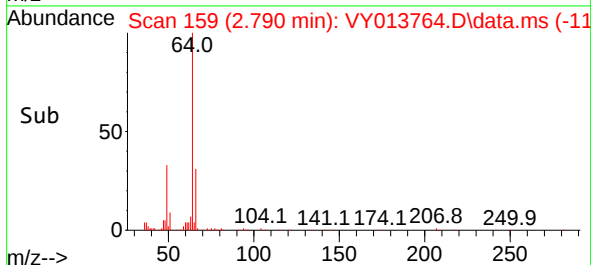
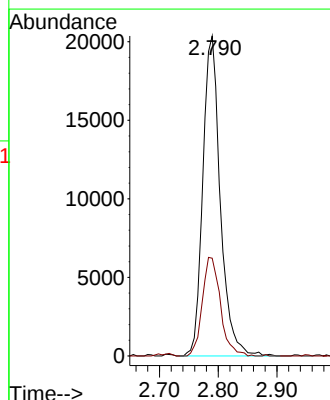
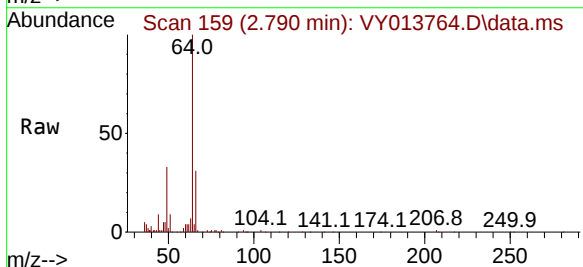
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

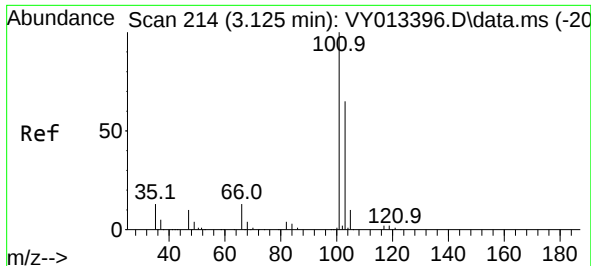
Tgt Ion: 94 Resp: 52652  
Ion Ratio Lower Upper  
94 100  
96 93.0 74.2 111.2



#6  
Chloroethane  
Concen: 27.198 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 64 Resp: 42194  
Ion Ratio Lower Upper  
64 100  
66 30.6 24.6 37.0

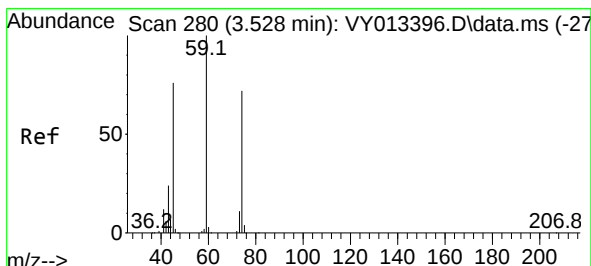
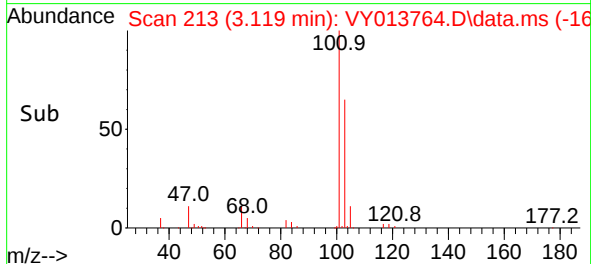
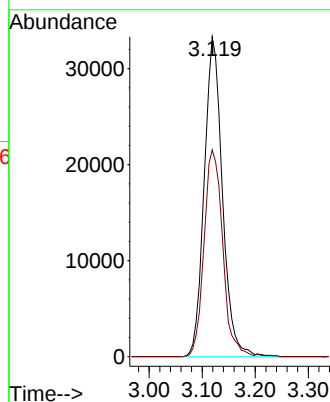
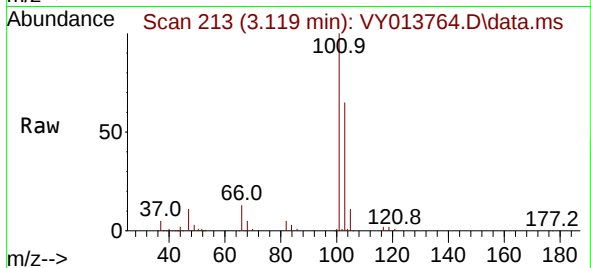




#7  
Trichlorofluoromethane  
Concen: 23.348 ug/l  
RT: 3.119 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

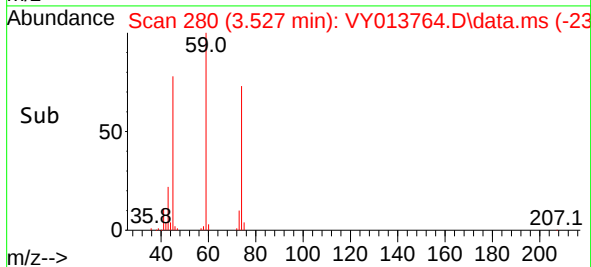
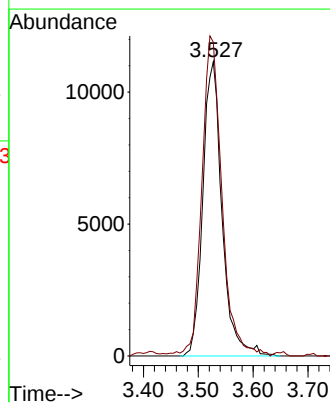
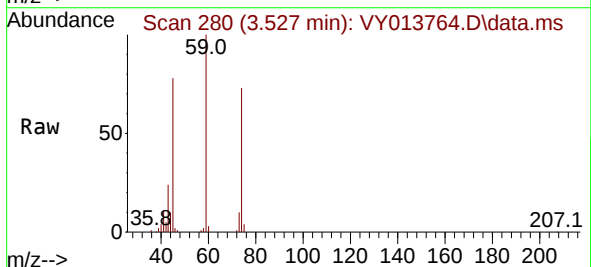
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

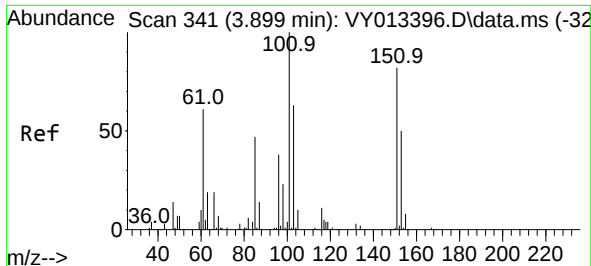
Tgt Ion:101 Resp: 79430  
Ion Ratio Lower Upper  
101 100  
103 64.7 51.6 77.4



#8  
Diethyl Ether  
Concen: 23.362 ug/l  
RT: 3.527 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 74 Resp: 27064  
Ion Ratio Lower Upper  
74 100  
45 114.1 48.2 144.6

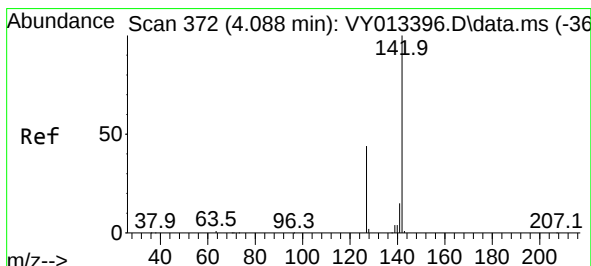
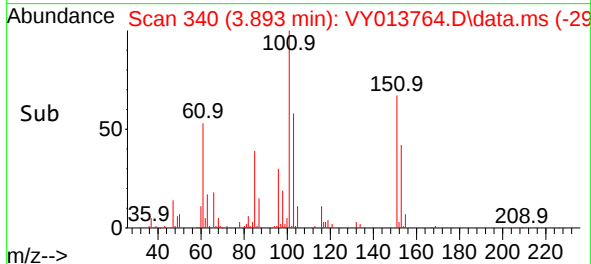
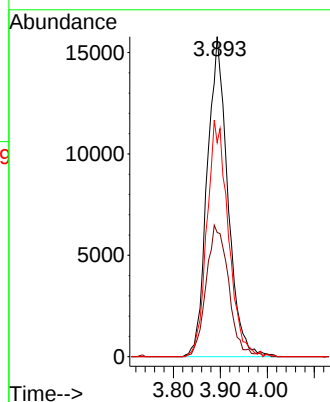
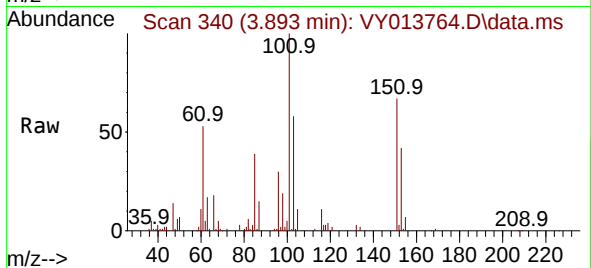




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 25.085 ug/l  
RT: 3.893 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

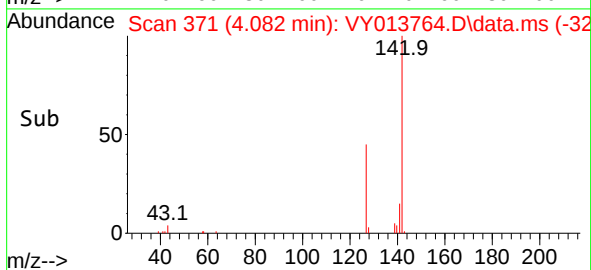
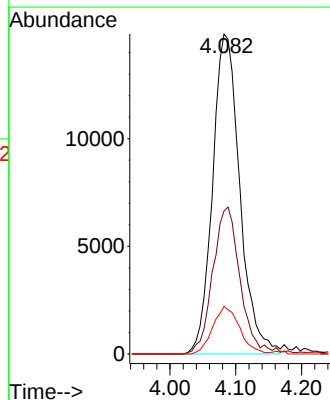
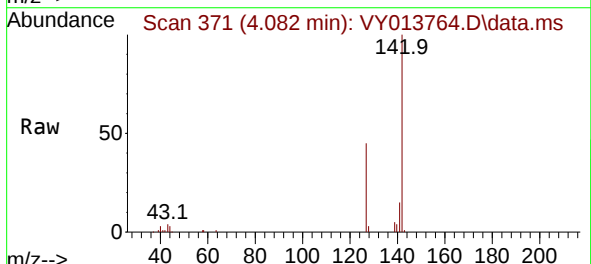
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

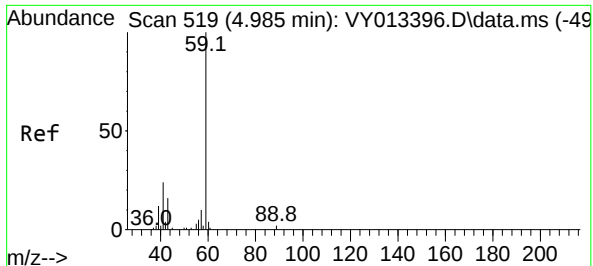
Tgt Ion:101 Resp: 47868  
Ion Ratio Lower Upper  
101 100  
85 44.9 35.6 53.4  
151 76.9 68.0 102.0



#10  
Methyl Iodide  
Concen: 17.887 ug/l  
RT: 4.082 min Scan# 371  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion:142 Resp: 42870  
Ion Ratio Lower Upper  
142 100  
127 46.2 36.1 54.1  
141 14.6 11.6 17.4

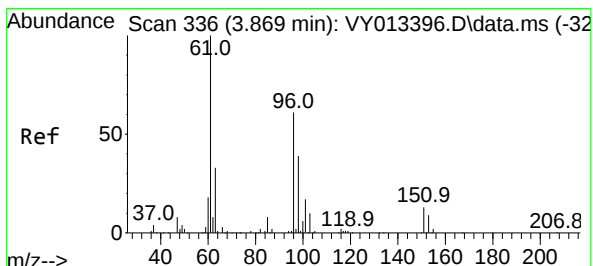
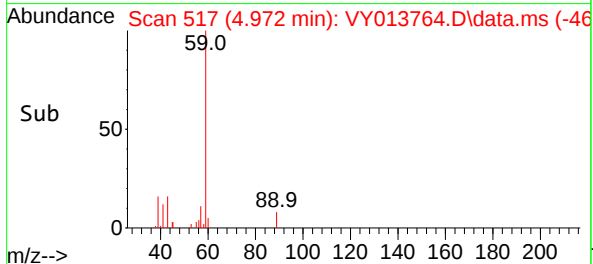
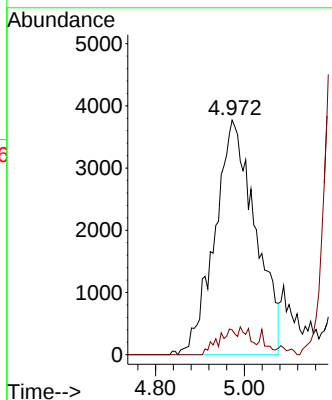
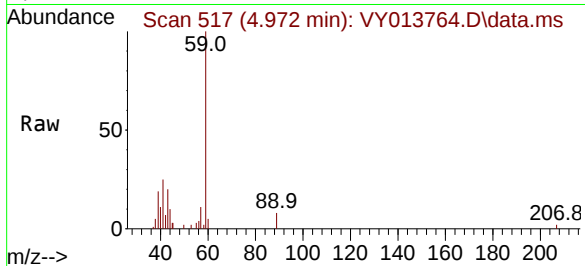




#11  
Tert butyl alcohol  
Concen: 109.780 ug/l  
RT: 4.972 min Scan# 519  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

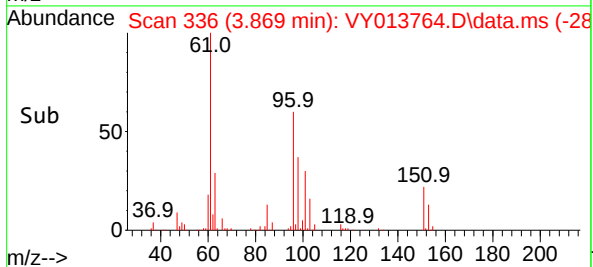
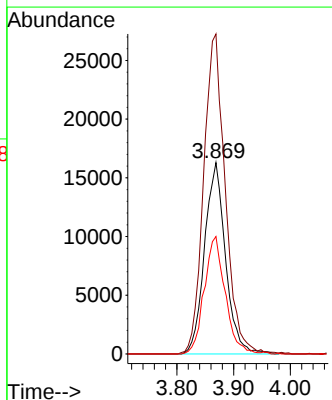
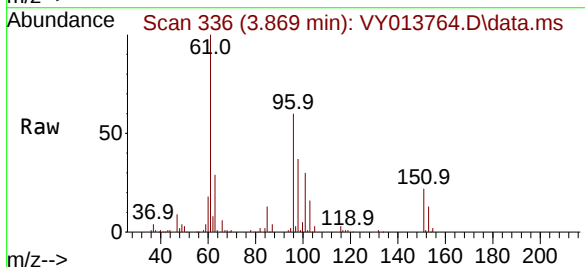
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

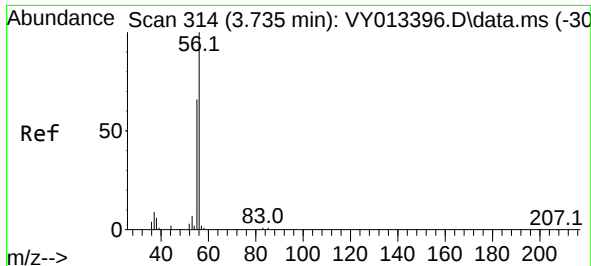
Tgt Ion: 59 Resp: 23910  
Ion Ratio Lower Upper  
59 100  
57 5.0 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 22.749 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 96 Resp: 41844  
Ion Ratio Lower Upper  
96 100  
61 167.3 123.9 185.9  
98 61.4 48.9 73.3





#13

Acrolein

Concen: 90.052 ug/l

RT: 3.729 min Scan# 31

Delta R.T. -0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

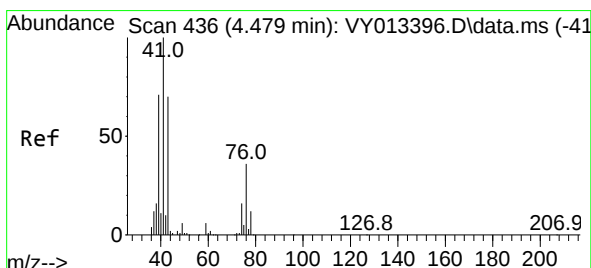
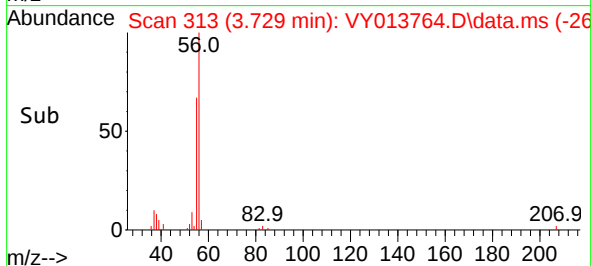
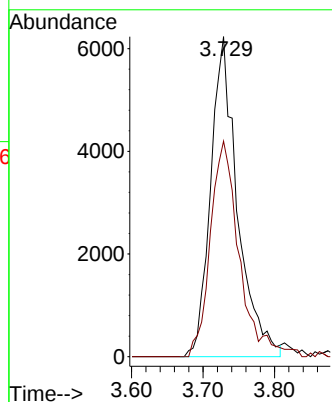
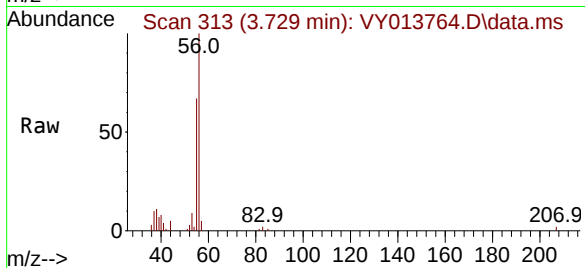
VY0516SBS03

Tgt Ion: 56 Resp: 16226

Ion Ratio Lower Upper

56 100

55 72.7 54.1 81.1



#14

Allyl chloride

Concen: 24.113 ug/l

RT: 4.472 min Scan# 435

Delta R.T. -0.006 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

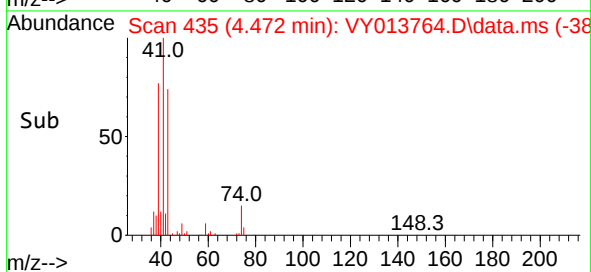
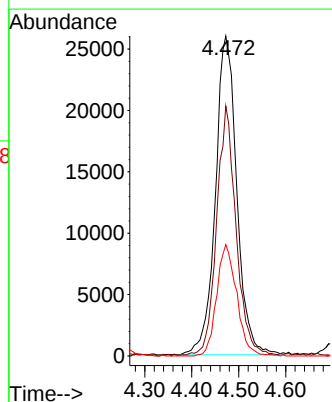
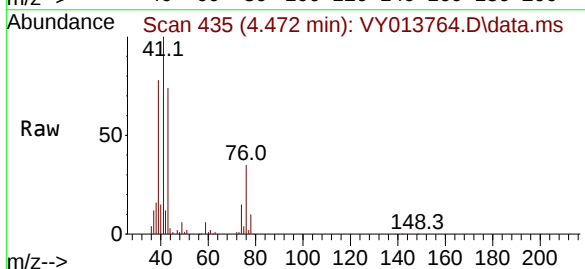
Tgt Ion: 41 Resp: 82297

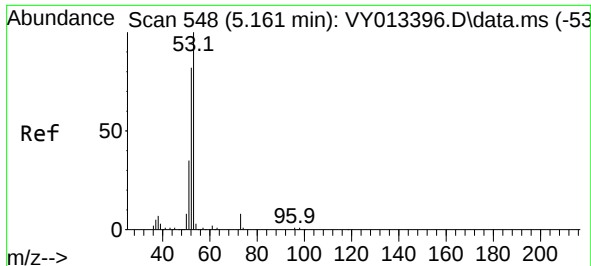
Ion Ratio Lower Upper

41 100

39 70.3 56.6 85.0

76 32.7 30.5 45.7

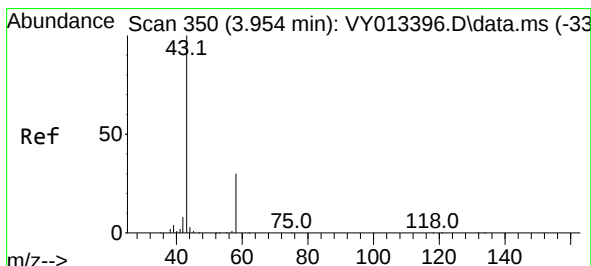
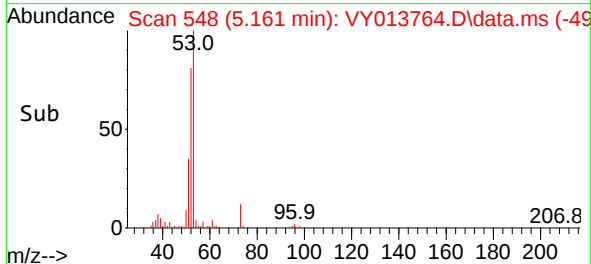
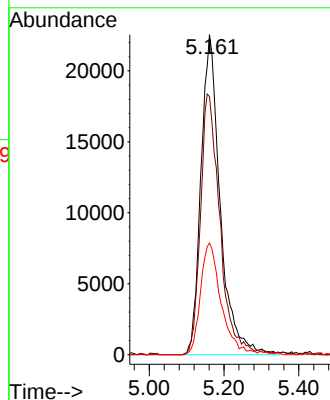
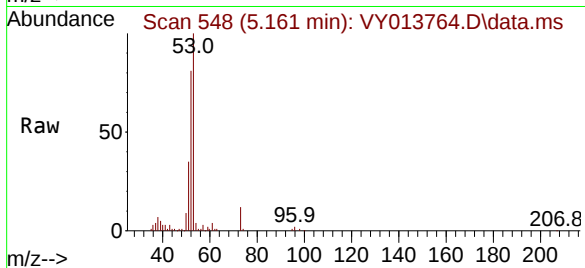




#15  
Acrylonitrile  
Concen: 123.878 ug/l  
RT: 5.161 min Scan# 548  
Delta R.T. 0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

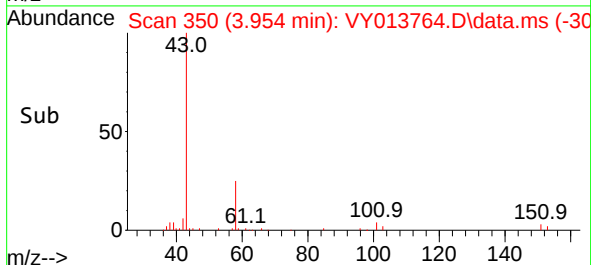
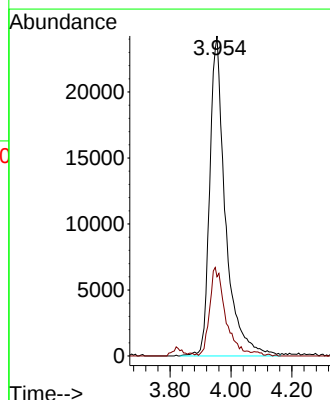
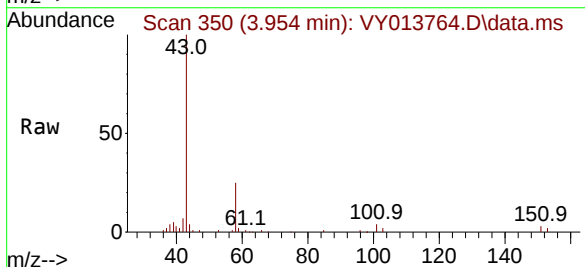
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

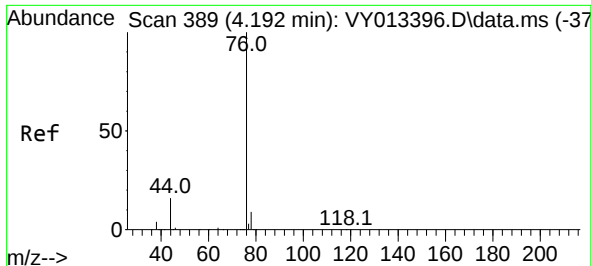
Tgt Ion: 53 Resp: 80371  
Ion Ratio Lower Upper  
53 100  
52 82.7 65.4 98.0  
51 37.3 29.3 43.9



#16  
Acetone  
Concen: 113.734 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 43 Resp: 86899  
Ion Ratio Lower Upper  
43 100  
58 24.8 25.4 38.0#

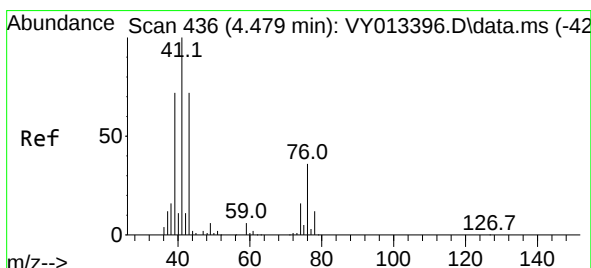
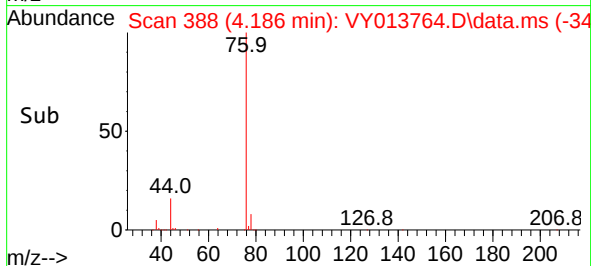
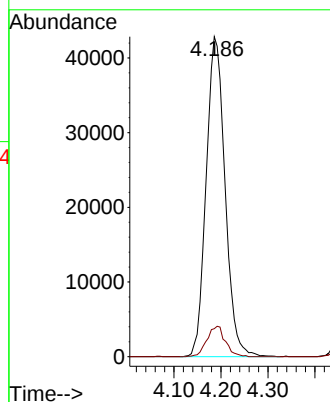
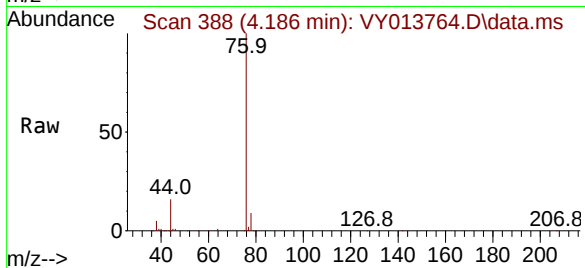




#17  
Carbon Disulfide  
Concen: 20.000 ug/l  
RT: 4.186 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

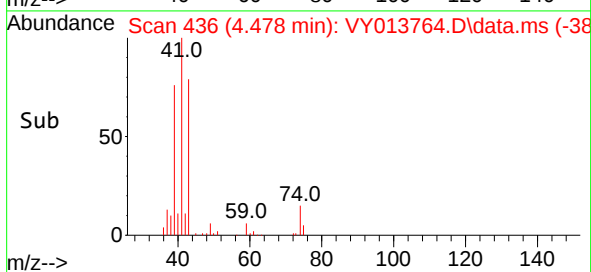
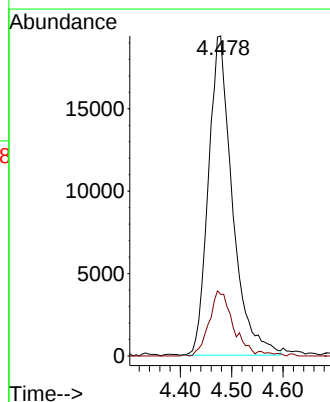
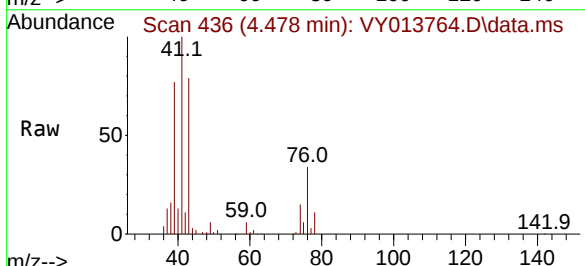
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

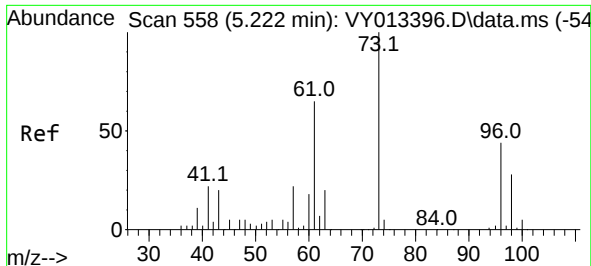
Tgt Ion: 76 Resp: 119496  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.2 10.8



#18  
Methyl Acetate  
Concen: 24.881 ug/l  
RT: 4.478 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 43 Resp: 62787  
Ion Ratio Lower Upper  
43 100  
74 20.1 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 24.242 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

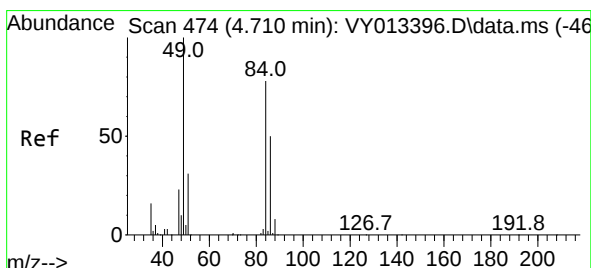
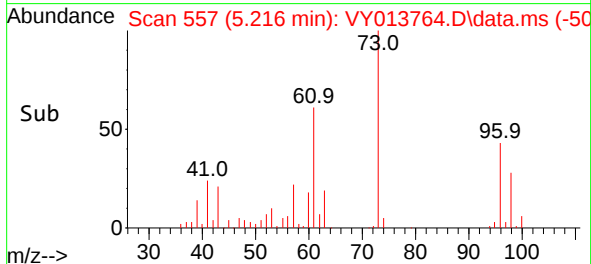
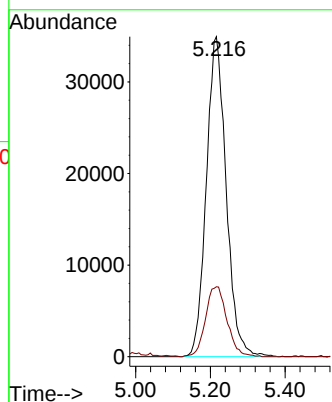
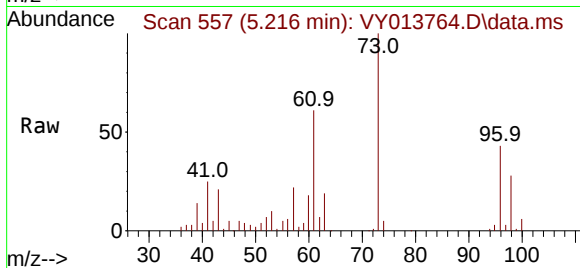
VY0516SBS03

Tgt Ion: 73 Resp: 128734

Ion Ratio Lower Upper

73 100

57 21.8 17.8 26.8



#20

Methylene Chloride

Concen: 24.729 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Tgt Ion: 84 Resp: 68977

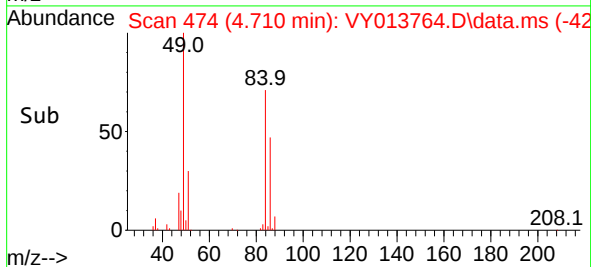
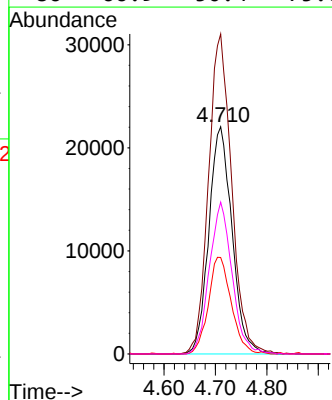
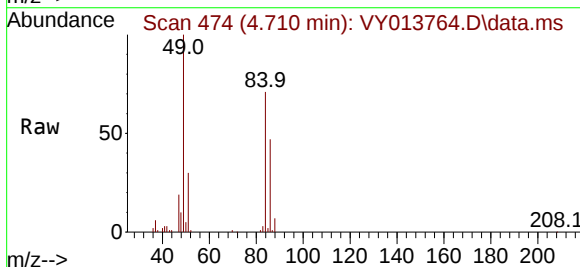
Ion Ratio Lower Upper

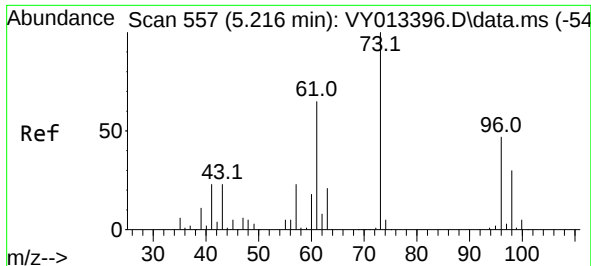
84 100

49 140.8 88.0 132.0#

51 42.5 27.4 41.0#

86 66.9 50.4 75.6

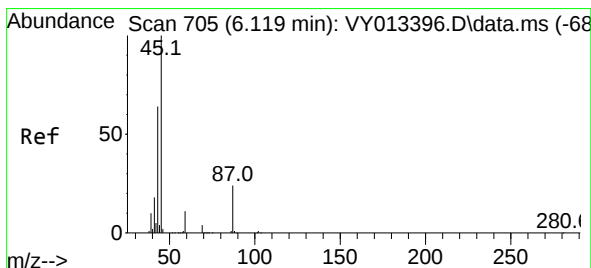
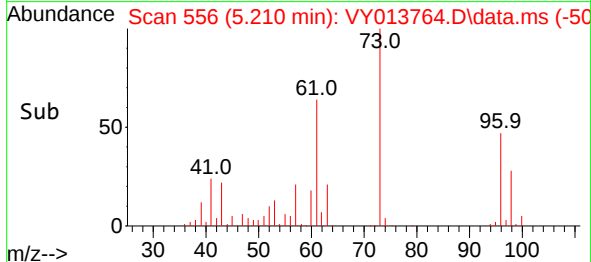
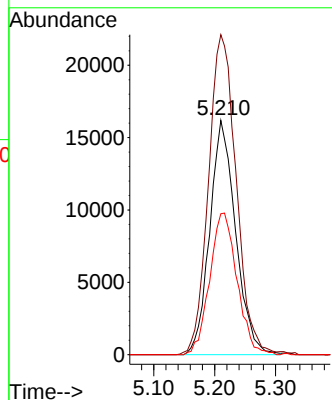
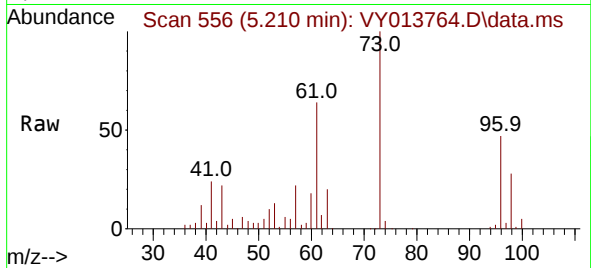




#21  
trans-1,2-Dichloroethene  
Concen: 23.775 ug/l  
RT: 5.210 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

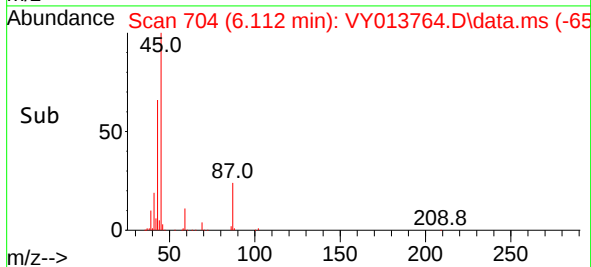
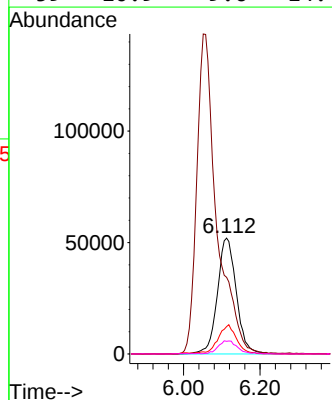
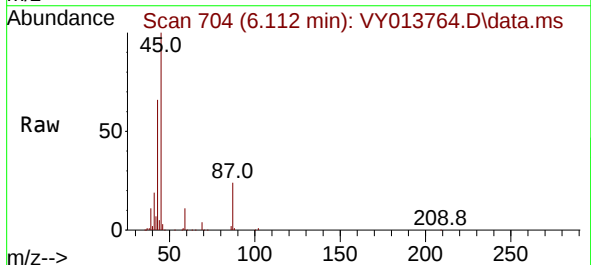
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

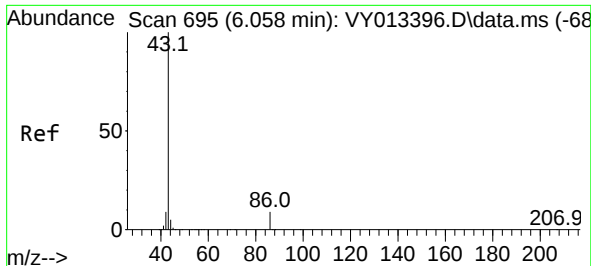
Tgt Ion: 96 Resp: 47814  
Ion Ratio Lower Upper  
96 100  
61 136.3 110.6 165.8  
98 60.2 53.1 79.7



#22  
Diisopropyl ether  
Concen: 26.771 ug/l  
RT: 6.112 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 45 Resp: 178591  
Ion Ratio Lower Upper  
45 100  
43 65.7 48.4 72.6  
87 23.6 23.8 35.6#  
59 10.9 9.6 14.4

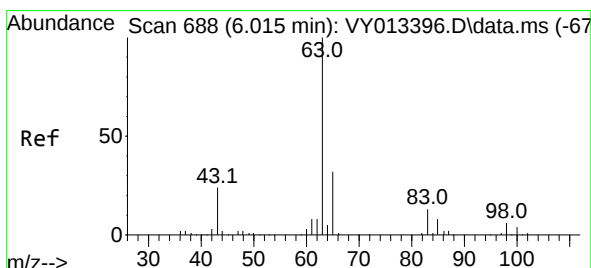
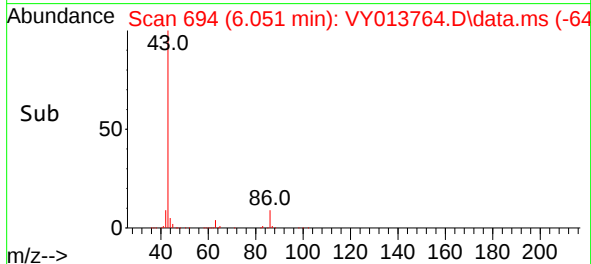
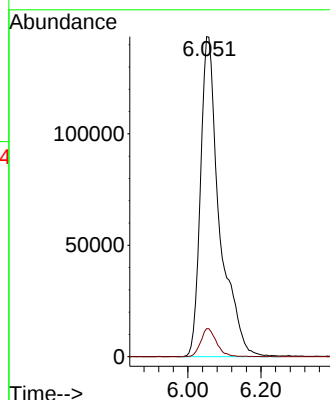
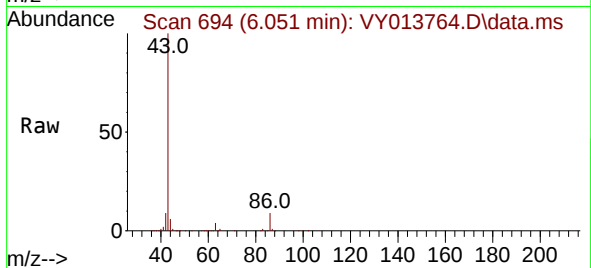




#23  
 Vinyl Acetate  
 Concen: 137.923 ug/l  
 RT: 6.051 min Scan# 694  
 Delta R.T. -0.006 min  
 Lab File: VY013764.D  
 Acq: 16 May 2023 17:09

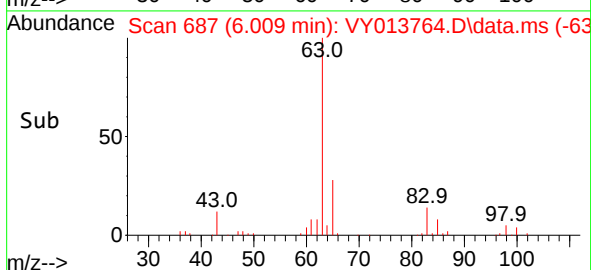
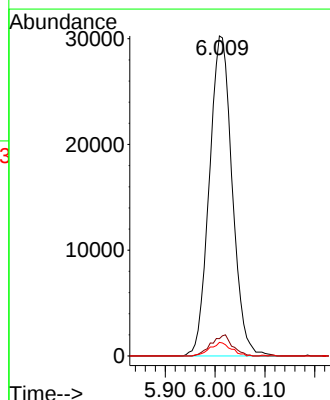
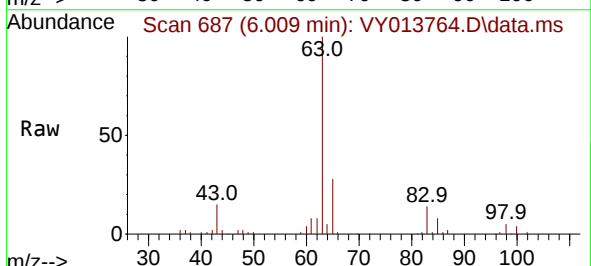
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0516SBS03

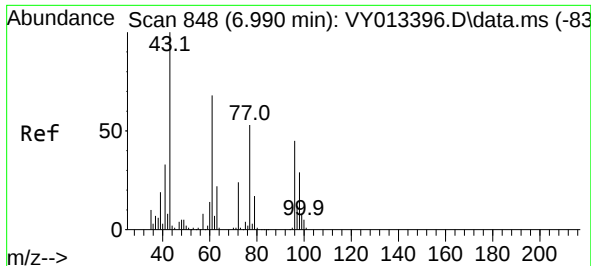
Tgt Ion: 43 Resp: 520941  
 Ion Ratio Lower Upper  
 43 100  
 86 8.8 8.5 12.7



#24  
 1,1-Dichloroethane  
 Concen: 25.898 ug/l  
 RT: 6.009 min Scan# 687  
 Delta R.T. -0.006 min  
 Lab File: VY013764.D  
 Acq: 16 May 2023 17:09

Tgt Ion: 63 Resp: 96286  
 Ion Ratio Lower Upper  
 63 100  
 98 5.4 3.5 10.6  
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 120.616 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

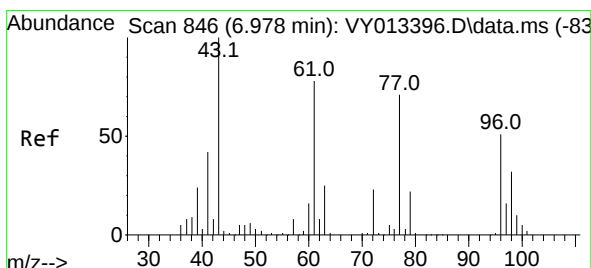
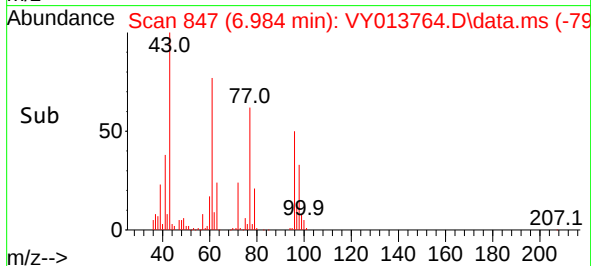
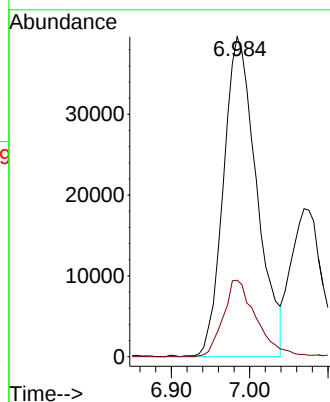
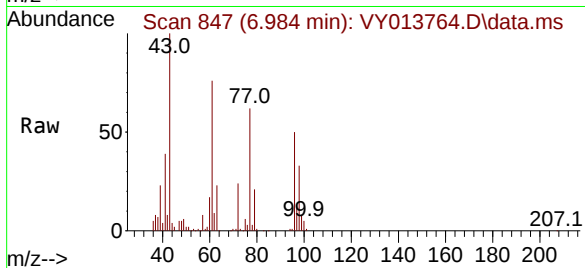
VY0516SBS03

Tgt Ion: 43 Resp: 116875

Ion Ratio Lower Upper

43 100

72 23.9 21.9 32.9



#26

2,2-Dichloropropane

Concen: 25.182 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY013764.D

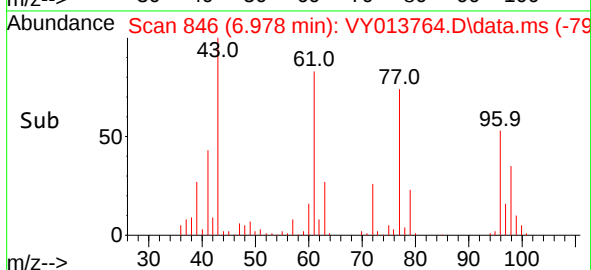
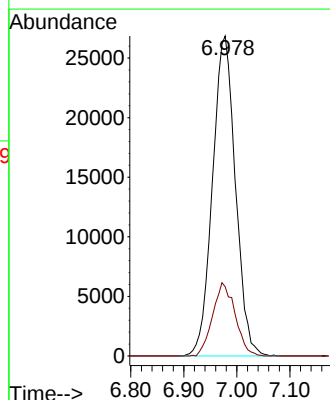
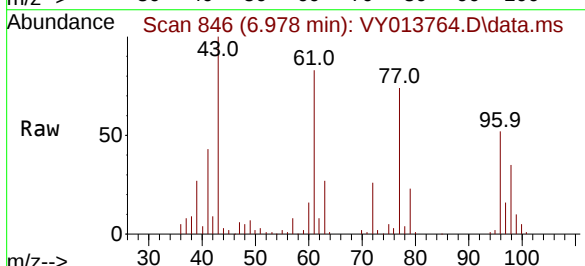
Acq: 16 May 2023 17:09

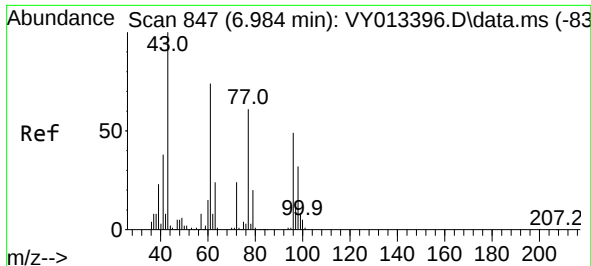
Tgt Ion: 77 Resp: 80677

Ion Ratio Lower Upper

77 100

97 22.5 11.8 35.4

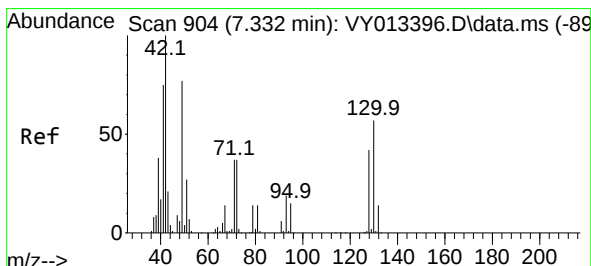
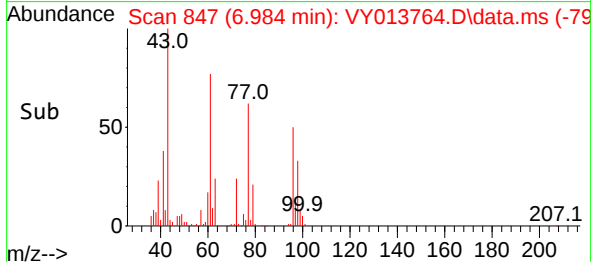
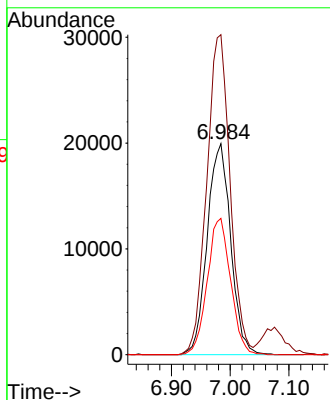
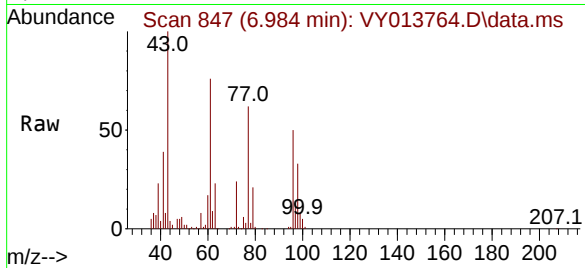




#27  
 cis-1,2-Dichloroethene  
 Concen: 24.980 ug/l  
 RT: 6.984 min Scan# 847  
 Delta R.T. 0.000 min  
 Lab File: VY013764.D  
 Acq: 16 May 2023 17:09

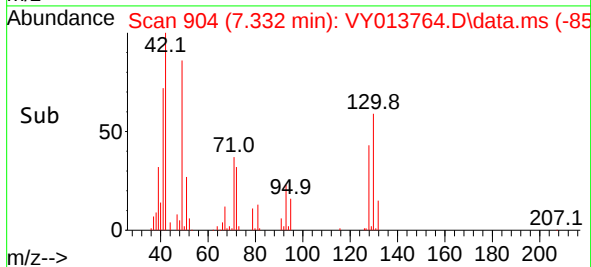
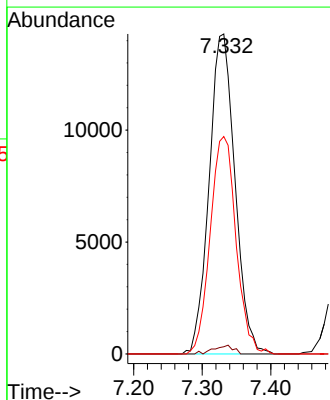
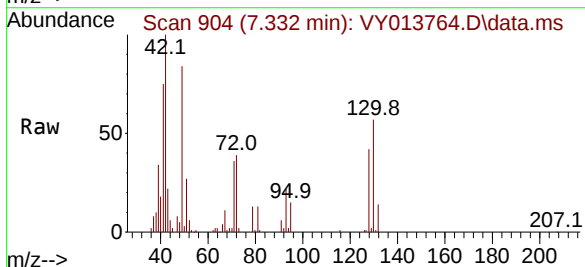
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0516SBS03

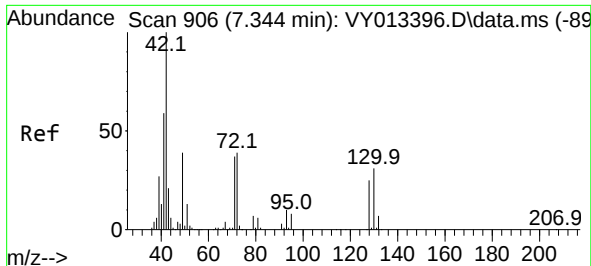
Tgt Ion: 96 Resp: 55508  
 Ion Ratio Lower Upper  
 96 100  
 61 150.7 0.0 285.0  
 98 64.1 0.0 130.6



#28  
 Bromochloromethane  
 Concen: 28.324 ug/l  
 RT: 7.332 min Scan# 904  
 Delta R.T. -0.000 min  
 Lab File: VY013764.D  
 Acq: 16 May 2023 17:09

Tgt Ion: 49 Resp: 37370  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 5.2  
 130 68.0 72.1 108.1#





#29

Tetrahydrofuran

Concen: 121.789 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS03

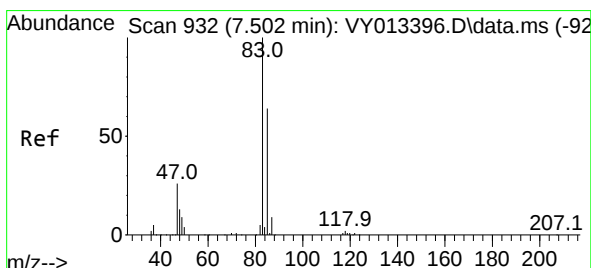
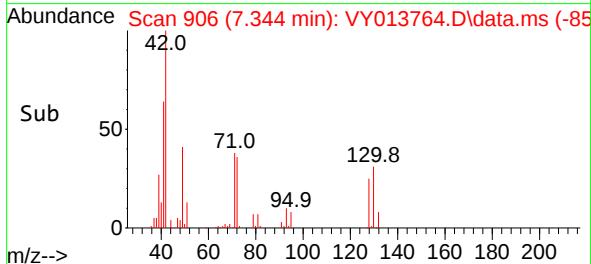
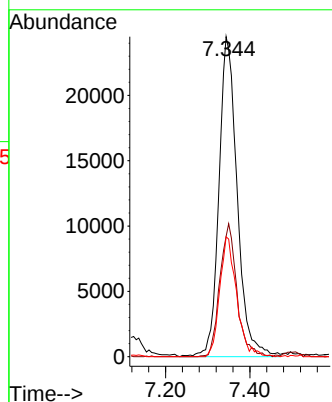
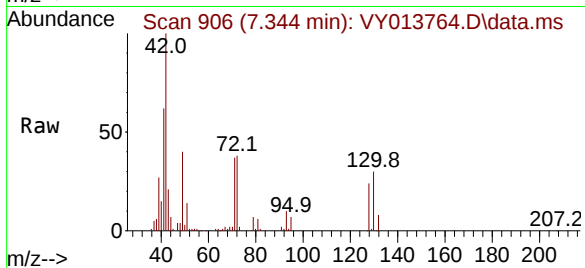
Tgt Ion: 42 Resp: 73460

Ion Ratio Lower Upper

42 100

72 38.7 35.9 53.9

71 34.7 34.3 51.5



#30

Chloroform

Concen: 25.926 ug/l

RT: 7.502 min Scan# 932

Delta R.T. 0.000 min

Lab File: VY013764.D

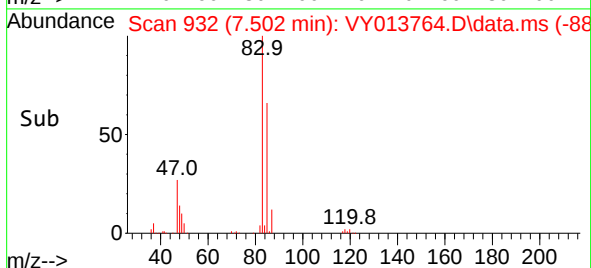
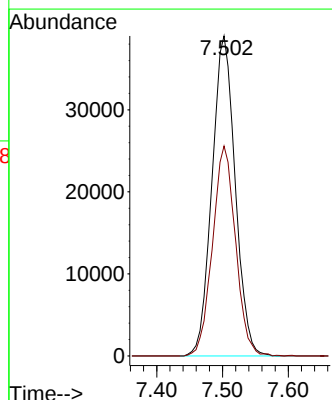
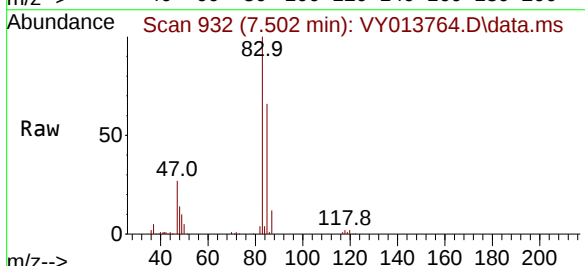
Acq: 16 May 2023 17:09

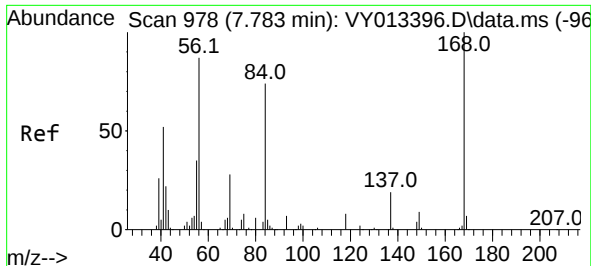
Tgt Ion: 83 Resp: 95837

Ion Ratio Lower Upper

83 100

85 65.6 52.0 78.0

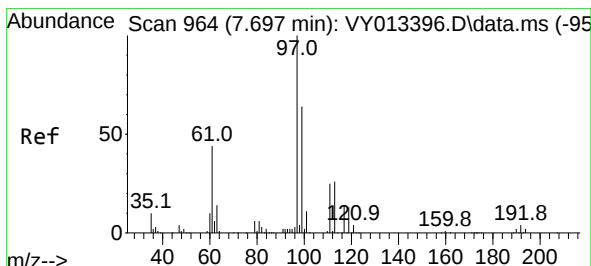
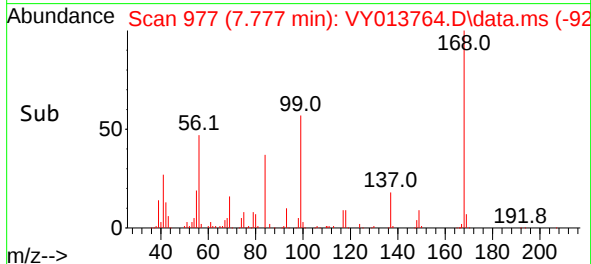
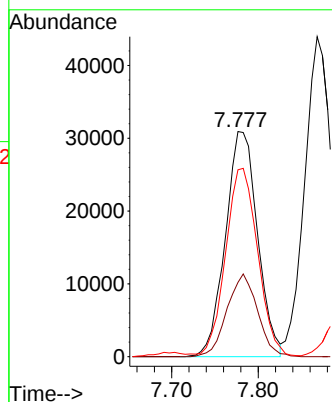
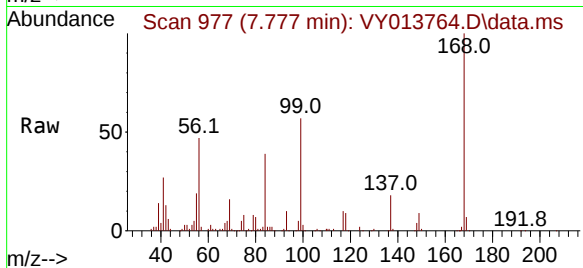




#31  
Cyclohexane  
Concen: 22.944 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

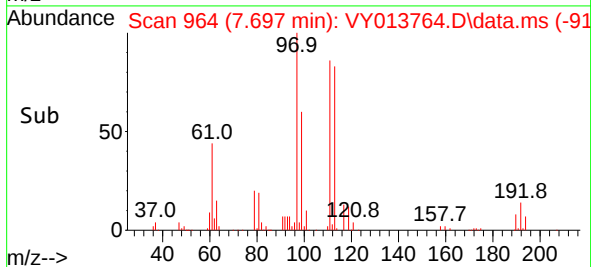
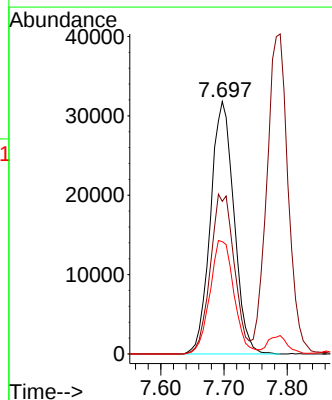
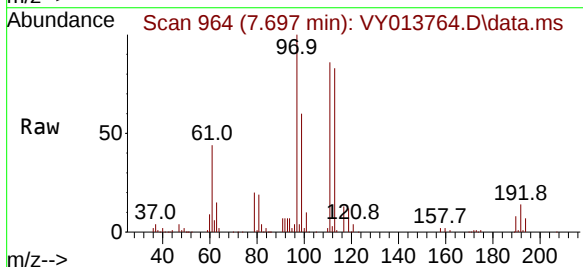
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

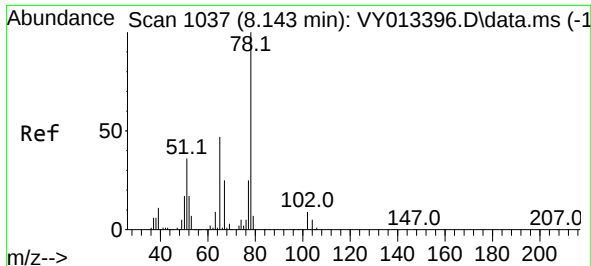
Tgt Ion: 56 Resp: 79700  
Ion Ratio Lower Upper  
56 100  
69 33.0 29.2 43.8  
84 81.6 73.0 109.6



#32  
1,1,1-Trichloroethane  
Concen: 24.844 ug/l  
RT: 7.697 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 97 Resp: 81952  
Ion Ratio Lower Upper  
97 100  
99 64.6 52.2 78.2  
61 46.0 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 57.770 ug/l

RT: 8.136 min Scan# 112082

Delta R.T. 0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

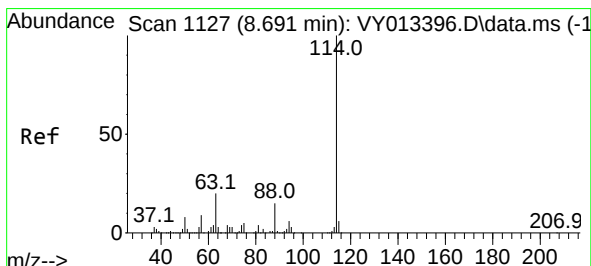
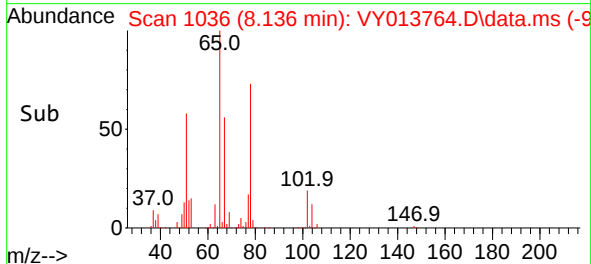
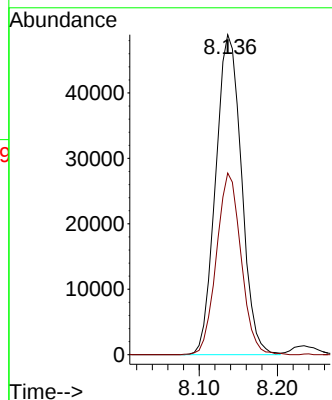
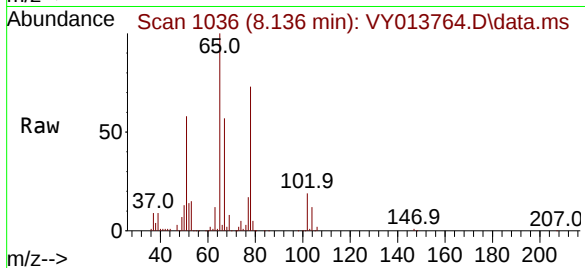
VY0516SBS03

Tgt Ion: 65 Resp: 112082

Ion Ratio Lower Upper

65 100

67 54.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

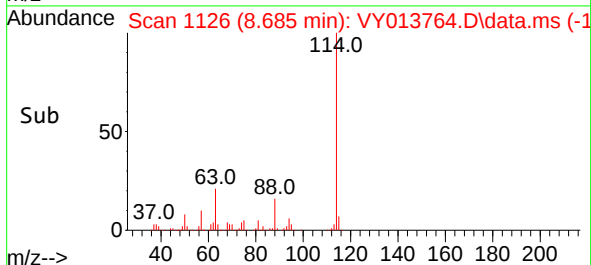
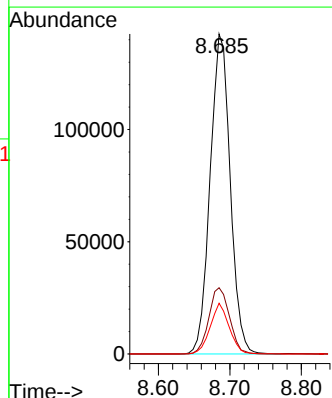
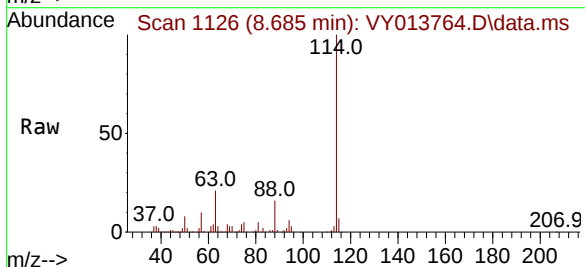
Tgt Ion: 114 Resp: 278088

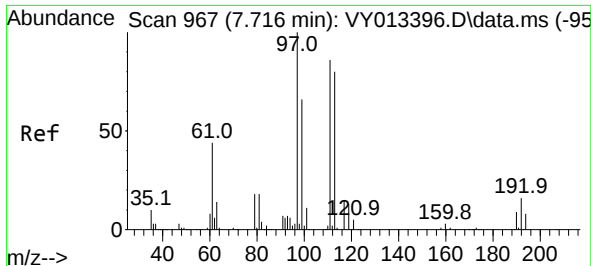
Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.6

88 15.9 0.0 28.8

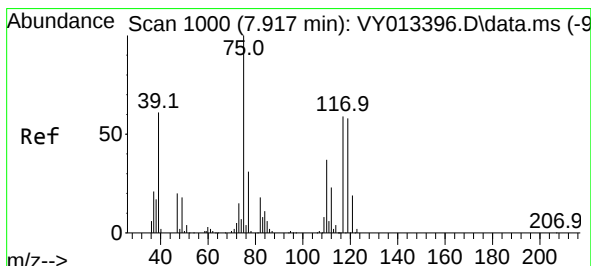
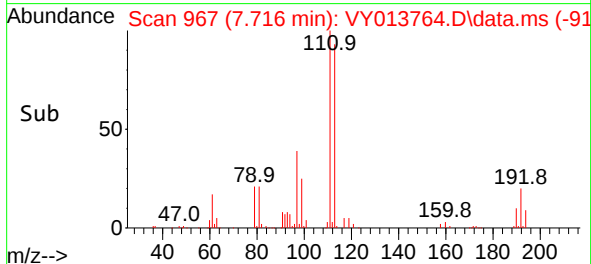
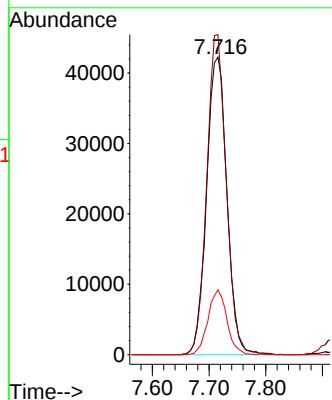
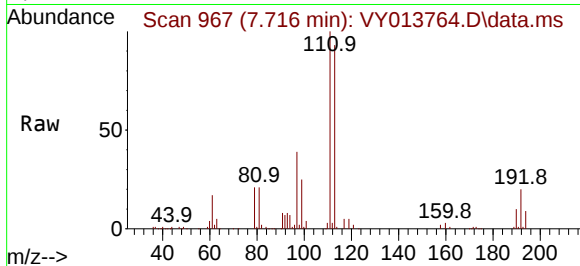




#35  
Dibromofluoromethane  
Concen: 60.192 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

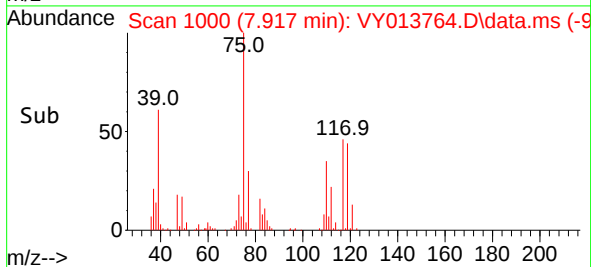
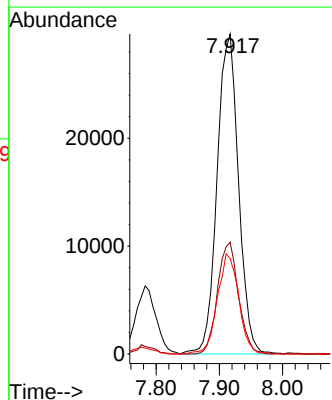
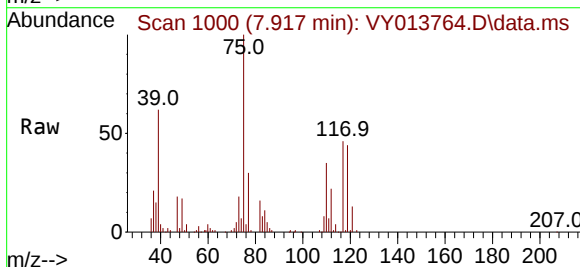
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

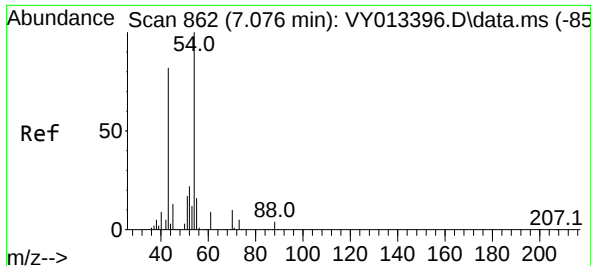
Tgt Ion:113 Resp: 105279  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.2 123.2  
192 20.3 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 24.012 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 75 Resp: 69702  
Ion Ratio Lower Upper  
75 100  
110 34.1 18.7 56.1  
77 31.2 24.6 37.0

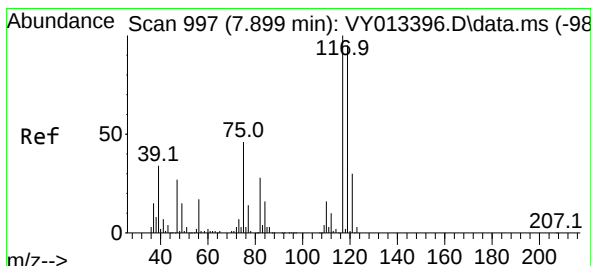
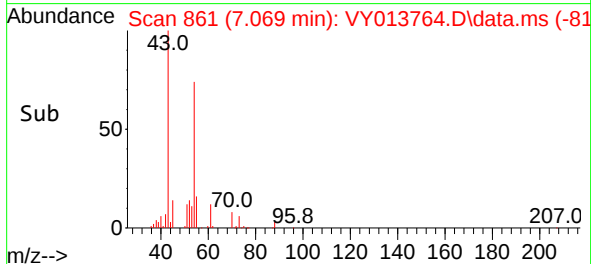
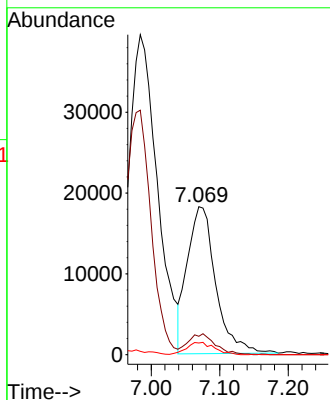
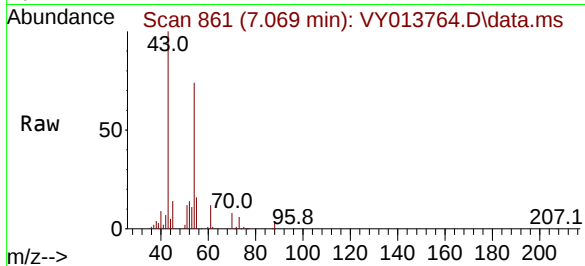




#37  
Ethyl Acetate  
Concen: 24.040 ug/l  
RT: 7.069 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

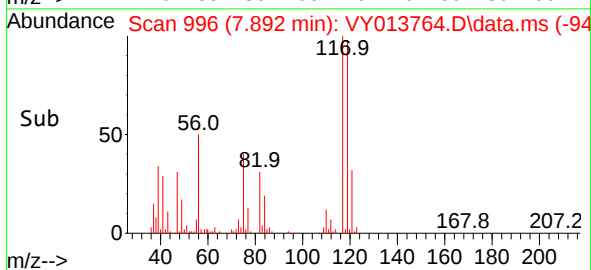
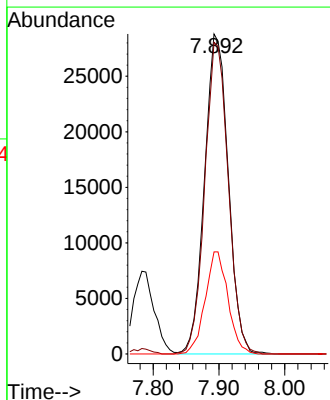
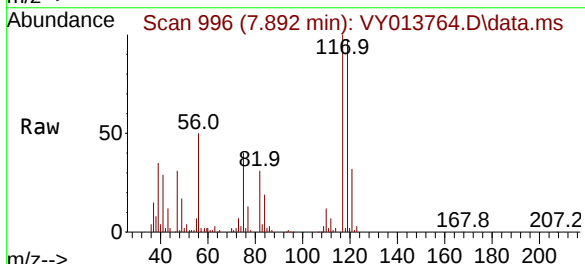
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

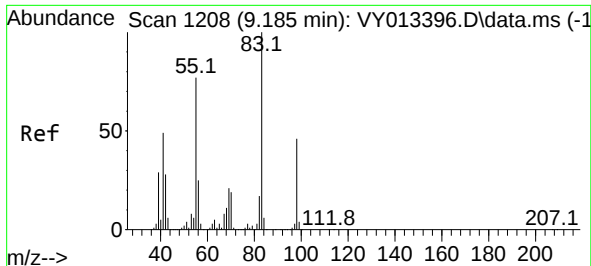
Tgt Ion: 43 Resp: 52515  
Ion Ratio Lower Upper  
43 100  
61 13.6 11.4 17.0  
70 8.1 7.9 11.9



#38  
Carbon Tetrachloride  
Concen: 23.799 ug/l  
RT: 7.892 min Scan# 996  
Delta R.T. -0.007 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 117 Resp: 72408  
Ion Ratio Lower Upper  
117 100  
119 97.4 79.0 118.6  
121 31.9 26.6 40.0





#39

Methylcyclohexane

Concen: 22.818 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS03

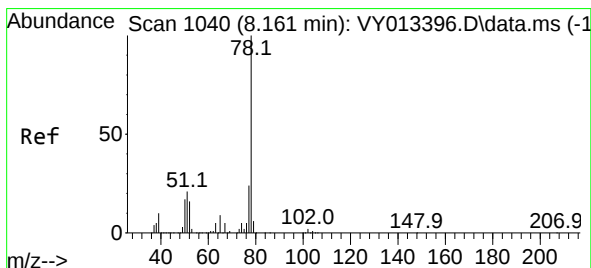
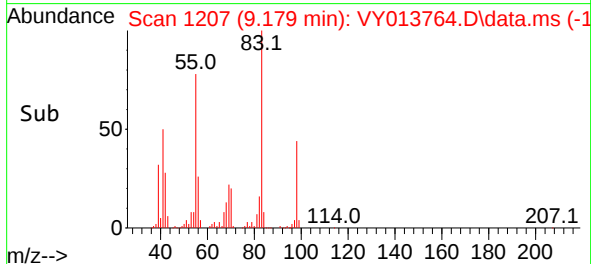
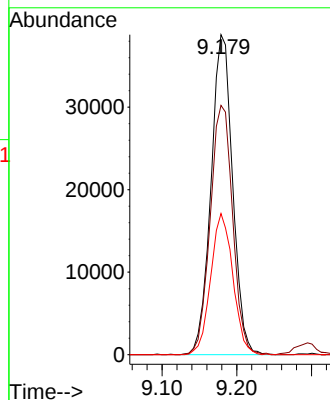
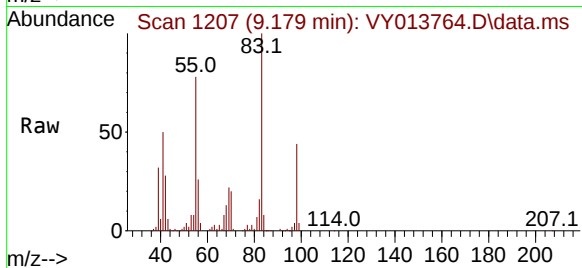
Tgt Ion: 83 Resp: 78086

Ion Ratio Lower Upper

83 100

55 77.9 59.0 88.4

98 44.1 37.0 55.4



#40

Benzene

Concen: 24.908 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY013764.D

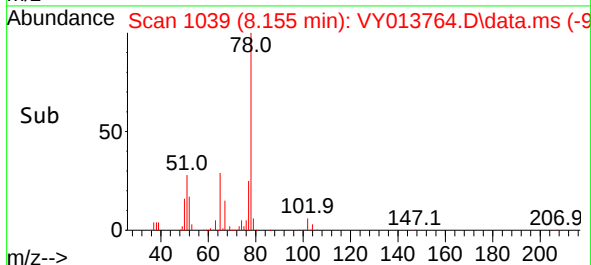
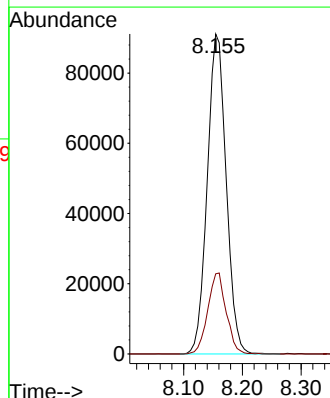
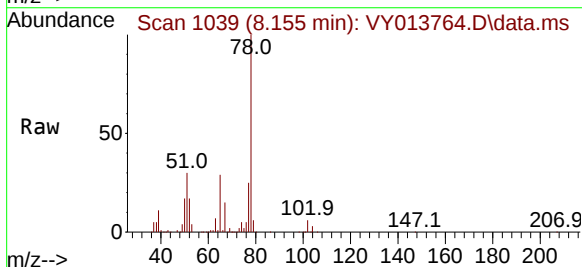
Acq: 16 May 2023 17:09

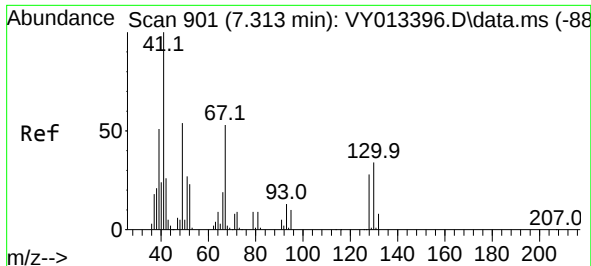
Tgt Ion: 78 Resp: 203667

Ion Ratio Lower Upper

78 100

77 25.1 19.2 28.8

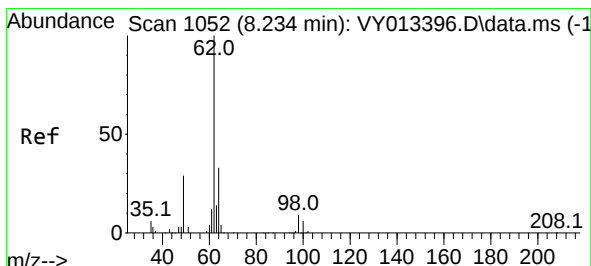
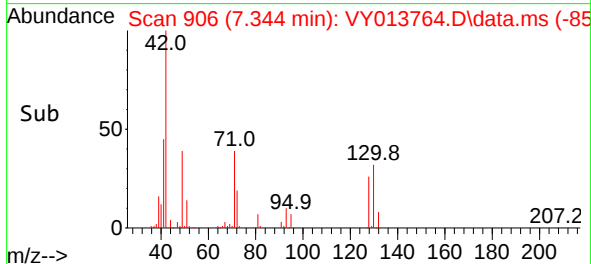
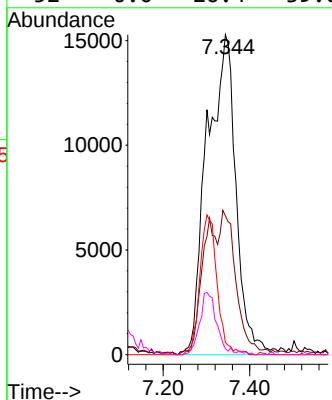
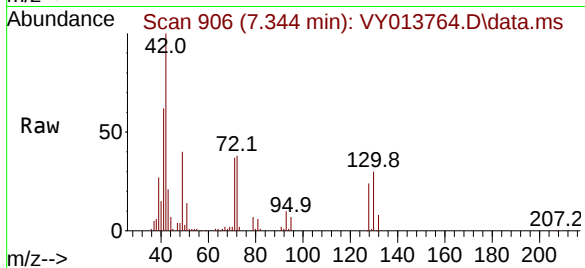




#41  
Methacrylonitrile  
Concen: 69.523 ug/l  
RT: 7.344 min Scan# 901  
Delta R.T. 0.037 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

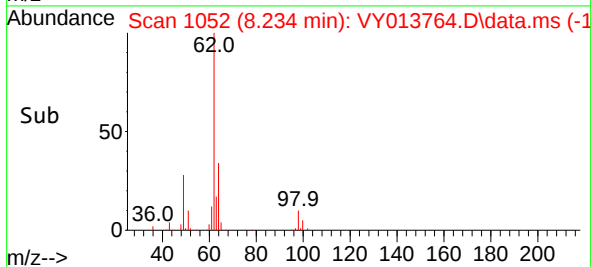
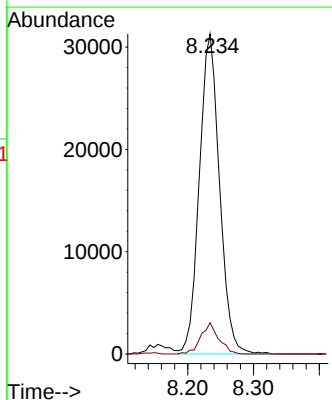
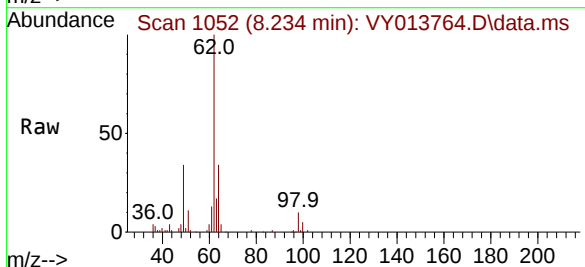
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

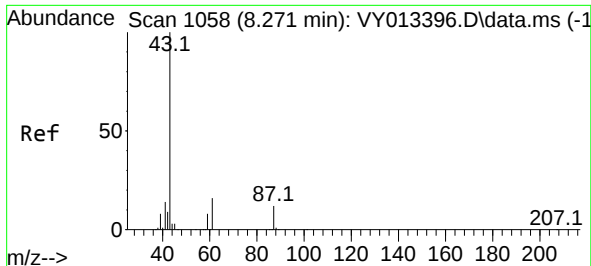
Tgt Ion: 41 Resp: 70770  
Ion Ratio Lower Upper  
41 100  
39 0.0 44.2 66.4#  
67 0.0 62.9 94.3#  
52 0.0 26.4 39.6#



#42  
1,2-Dichloroethane  
Concen: 25.010 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 62 Resp: 66858  
Ion Ratio Lower Upper  
62 100  
98 8.7 0.0 17.8

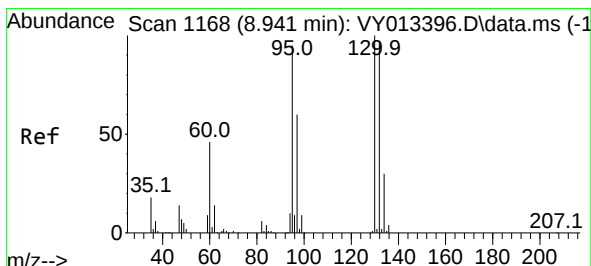
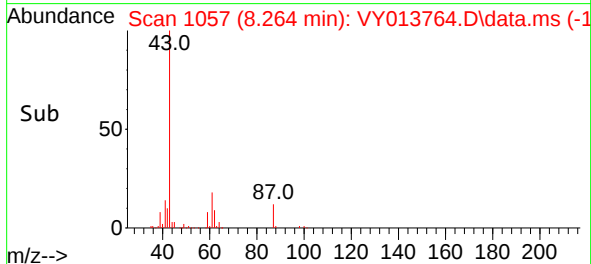
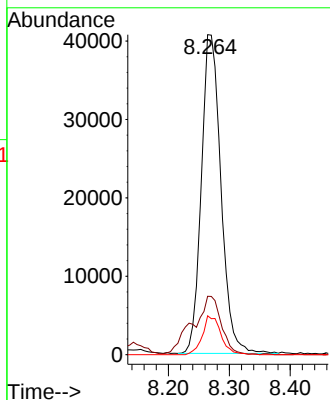
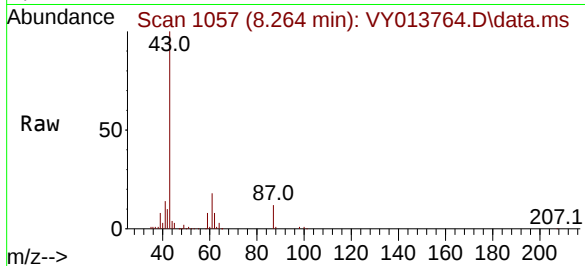




#43  
Isopropyl Acetate  
Concen: 24.702 ug/l  
RT: 8.264 min Scan# 1105  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

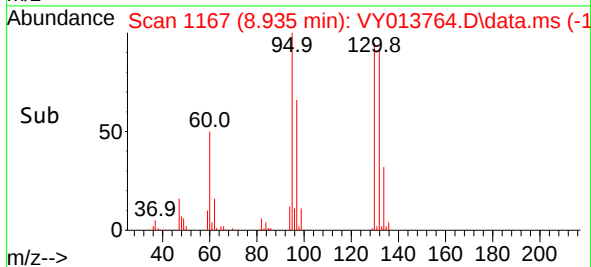
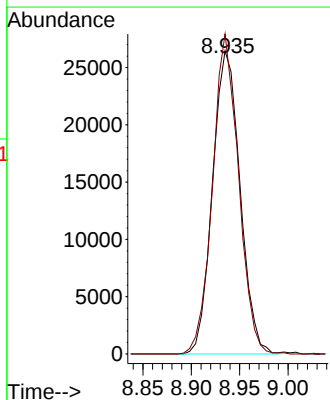
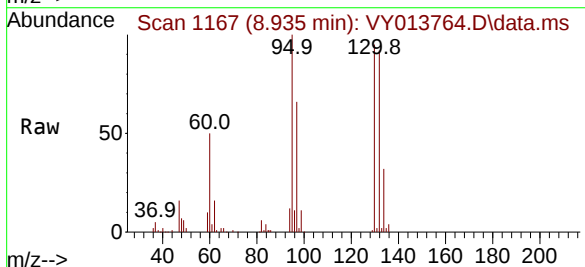
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

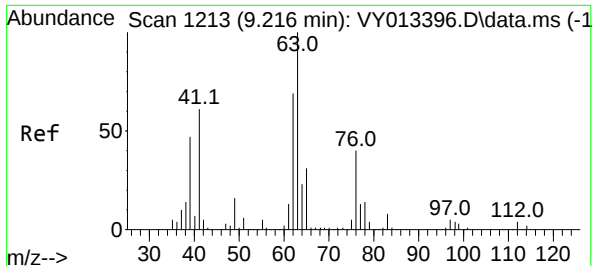
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 91078 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 26.6  | 22.2  | 33.4  |
| 87       | 11.6  | 11.0  | 16.6  |



#44  
Trichloroethene  
Concen: 24.012 ug/l  
RT: 8.935 min Scan# 1167  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 52226 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 105.5 | 0.0   | 188.8 |





#45

1,2-Dichloropropane

Concen: 26.659 ug/l

RT: 9.209 min Scan# 1212

Delta R.T. -0.006 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

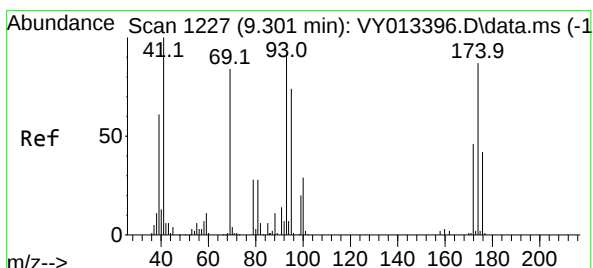
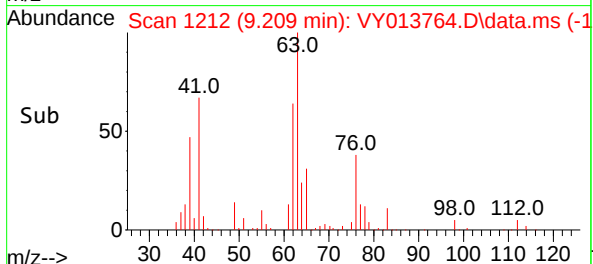
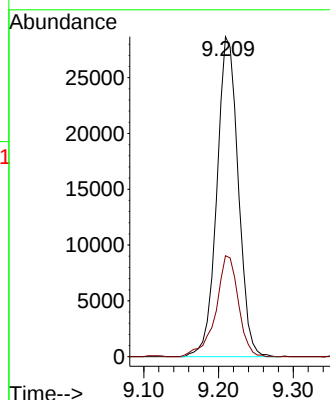
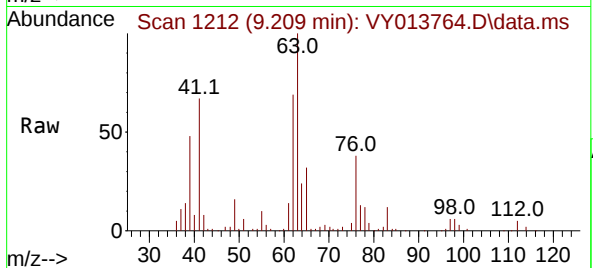
VY0516SBS03

Tgt Ion: 63 Resp: 56995

Ion Ratio Lower Upper

63 100

65 31.5 24.6 37.0



#46

Dibromomethane

Concen: 25.345 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

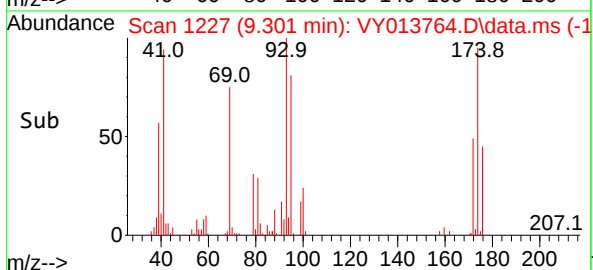
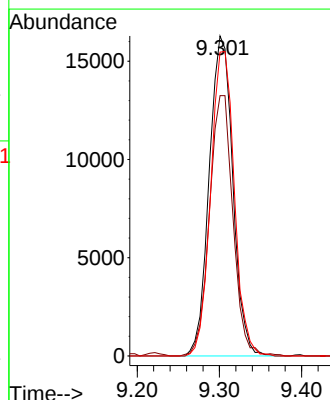
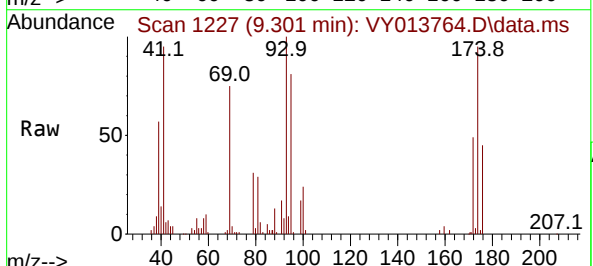
Tgt Ion: 93 Resp: 32422

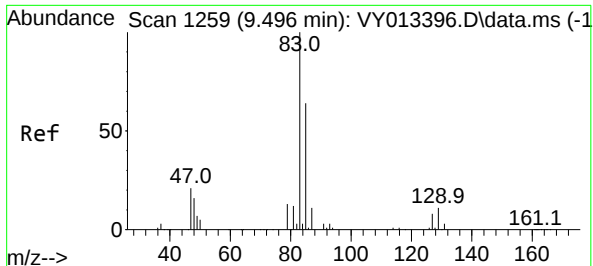
Ion Ratio Lower Upper

93 100

95 81.2 67.1 100.7

174 95.1 87.0 130.4





#47

Bromodichloromethane

Concen: 26.432 ug/l

RT: 9.490 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS03

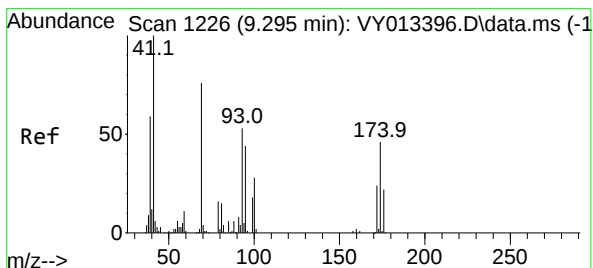
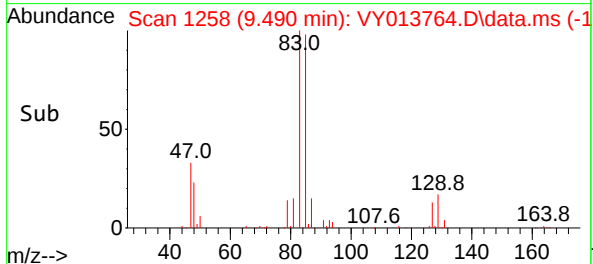
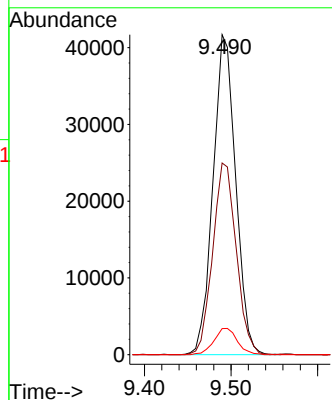
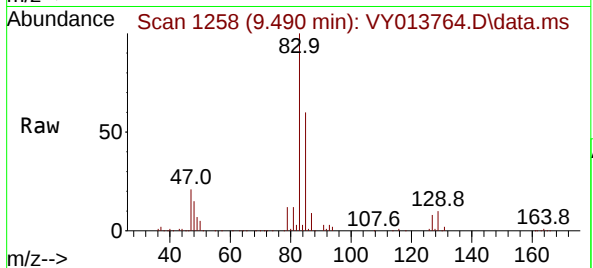
Tgt Ion: 83 Resp: 75659

Ion Ratio Lower Upper

83 100

85 59.9 51.4 77.2

127 8.2 8.1 12.1



#48

Methyl methacrylate

Concen: 24.309 ug/l

RT: 9.289 min Scan# 1225

Delta R.T. -0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

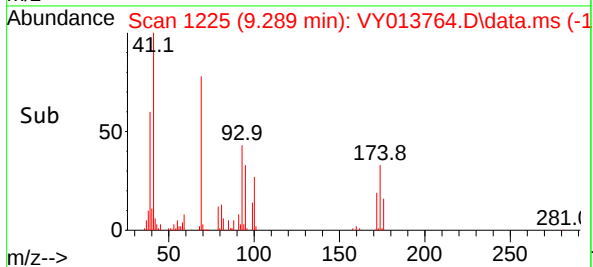
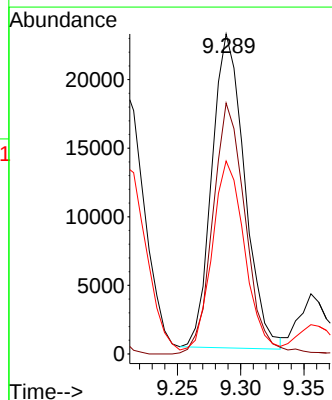
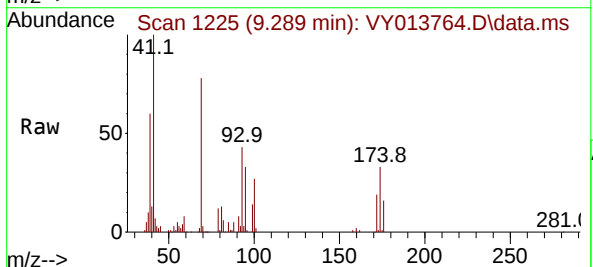
Tgt Ion: 41 Resp: 41164

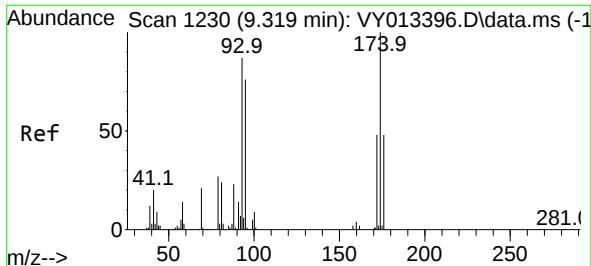
Ion Ratio Lower Upper

41 100

69 79.7 70.2 105.4

39 61.6 47.9 71.9

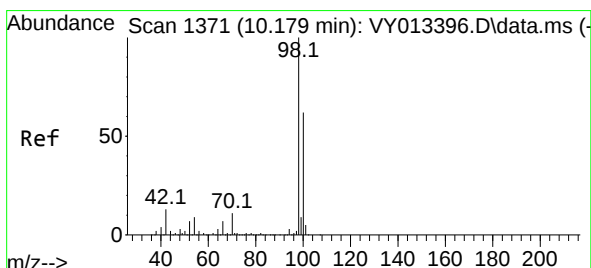
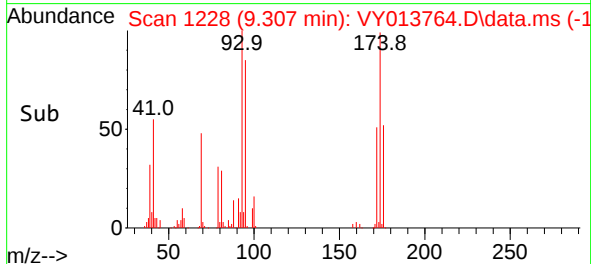
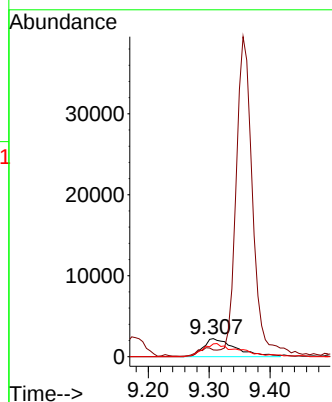
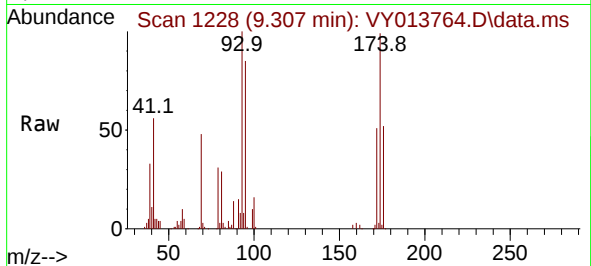




#49  
1,4-Dioxane  
Concen: 449.977 ug/l  
RT: 9.307 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

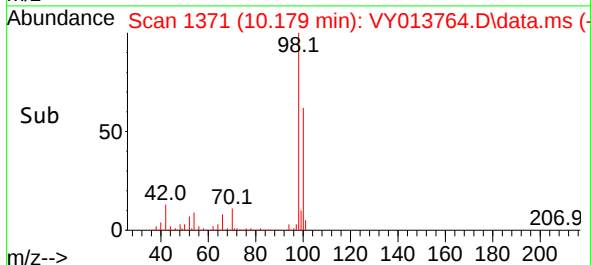
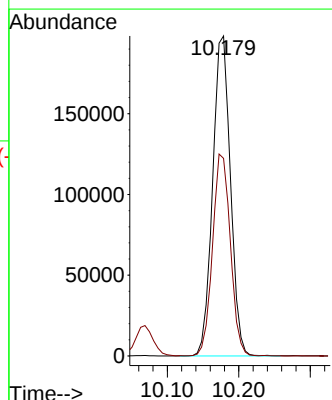
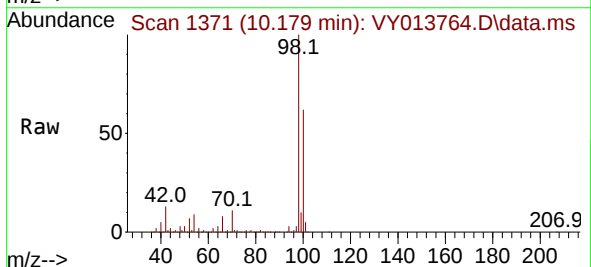
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

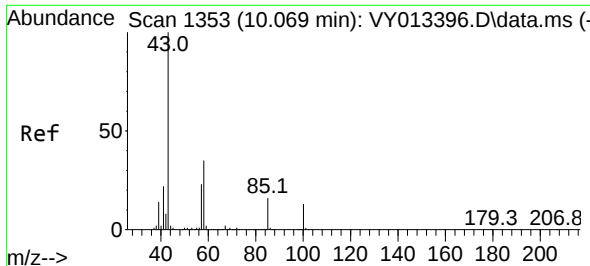
Tgt Ion: 88 Resp: 8221  
Ion Ratio Lower Upper  
88 100  
43 0.0 16.8 25.2#  
58 78.1 54.3 81.5



#50  
Toluene-d8  
Concen: 54.951 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 98 Resp: 341910  
Ion Ratio Lower Upper  
98 100  
100 63.2 50.5 75.7

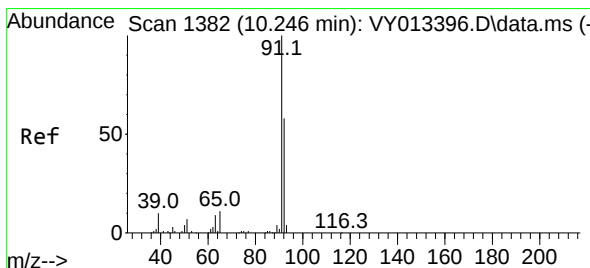
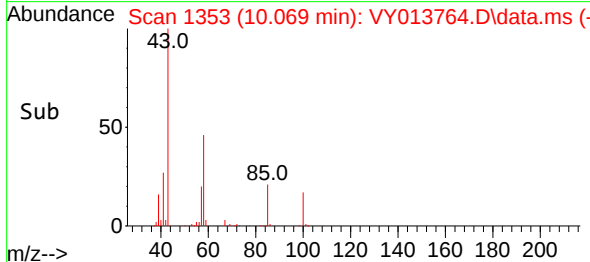
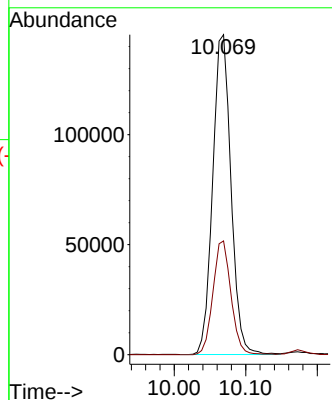
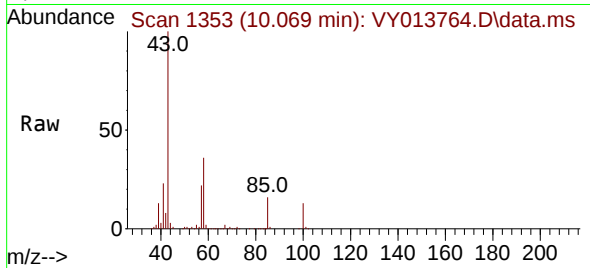




#51  
4-Methyl-2-Pentanone  
Concen: 125.565 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

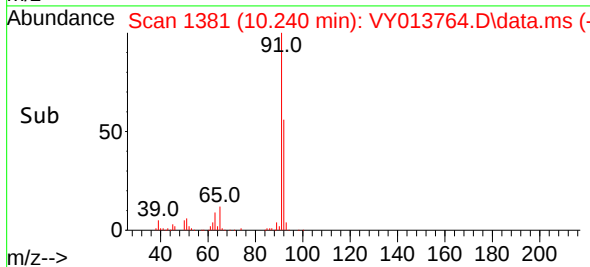
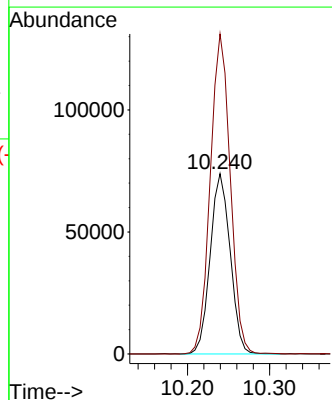
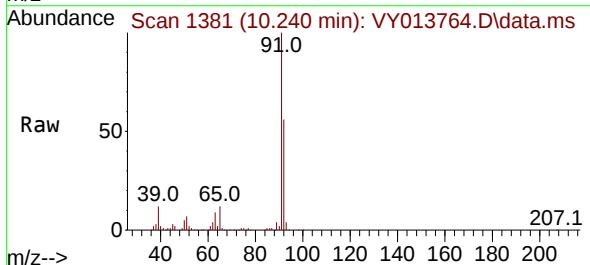
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

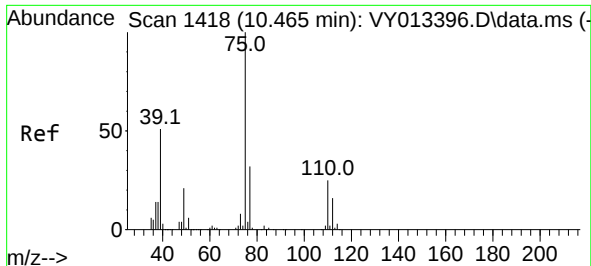
Tgt Ion: 43 Resp: 257989  
Ion Ratio Lower Upper  
43 100  
58 35.1 30.6 46.0



#52  
Toluene  
Concen: 25.320 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 92 Resp: 124587  
Ion Ratio Lower Upper  
92 100  
91 177.6 140.2 210.4

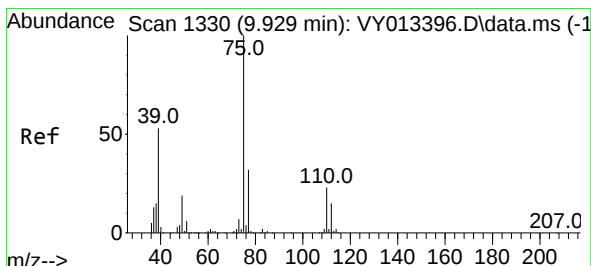
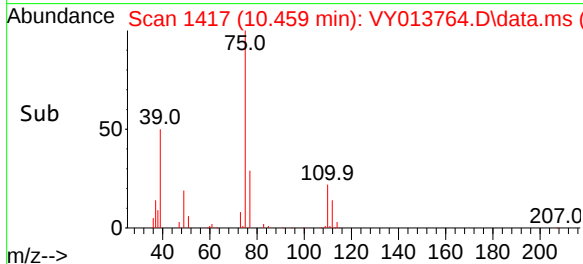
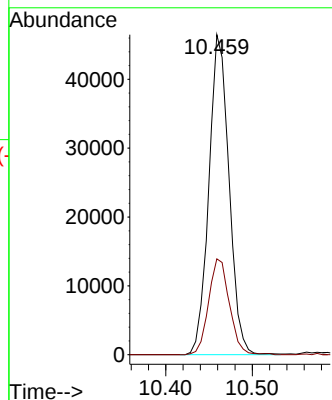
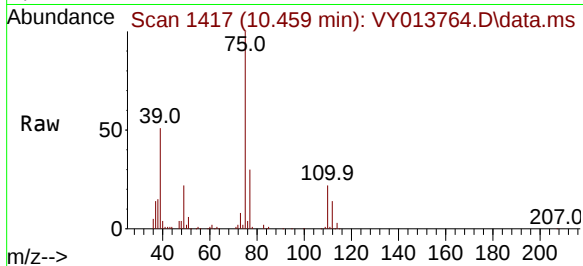




#53  
 t-1,3-Dichloropropene  
 Concen: 24.773 ug/l  
 RT: 10.459 min Scan# 1418  
 Delta R.T. -0.006 min  
 Lab File: VY013764.D  
 Acq: 16 May 2023 17:09

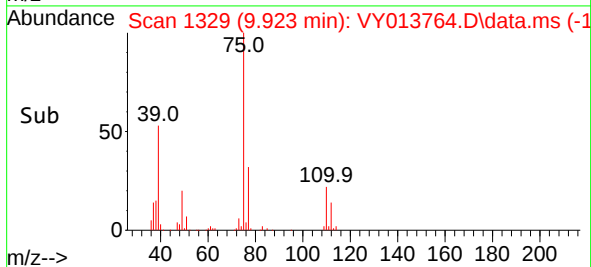
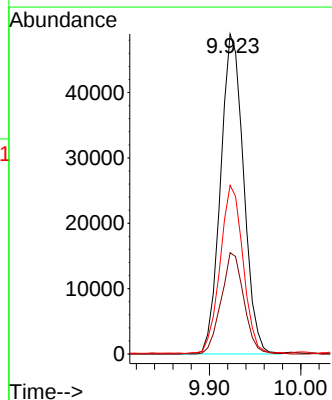
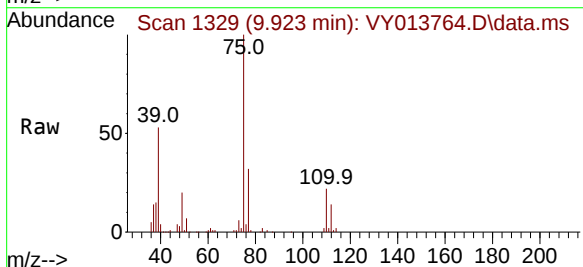
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0516SBS03

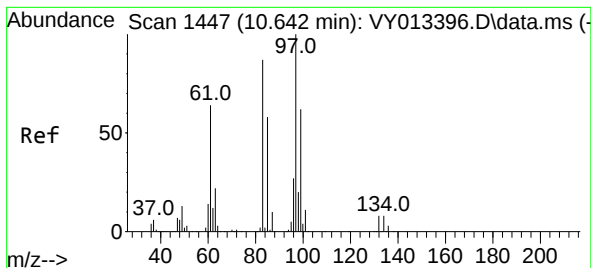
Tgt Ion: 75 Resp: 75047  
 Ion Ratio Lower Upper  
 75 100  
 77 29.9 25.8 38.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 25.134 ug/l  
 RT: 9.923 min Scan# 1329  
 Delta R.T. -0.006 min  
 Lab File: VY013764.D  
 Acq: 16 May 2023 17:09

Tgt Ion: 75 Resp: 85676  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 24.8 37.2  
 39 52.4 38.1 57.1

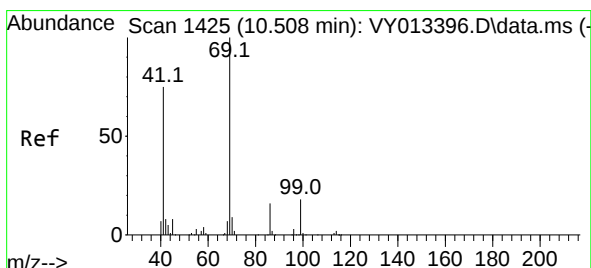
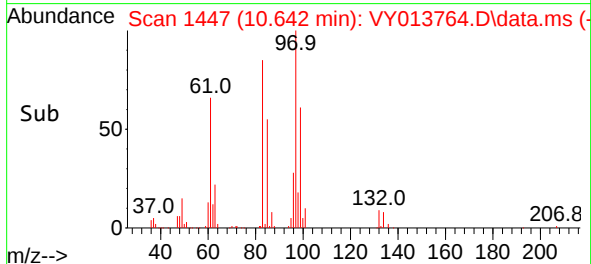
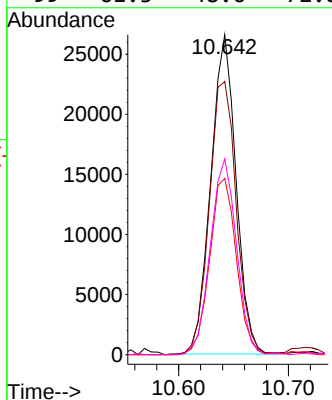
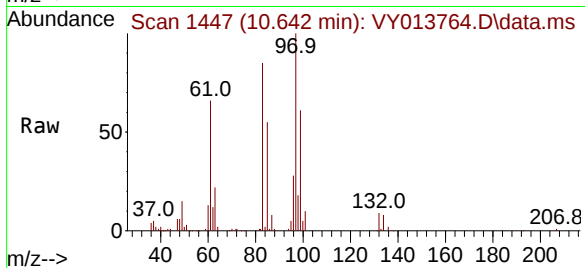




#55  
1,1,2-Trichloroethane  
Concen: 25.101 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

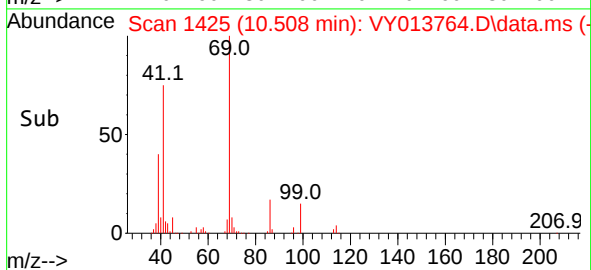
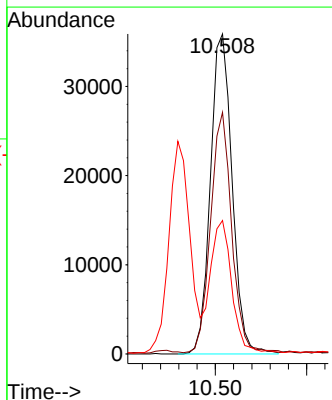
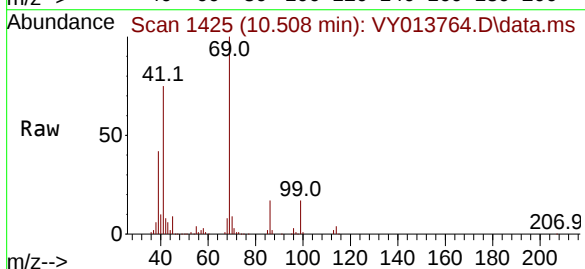
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

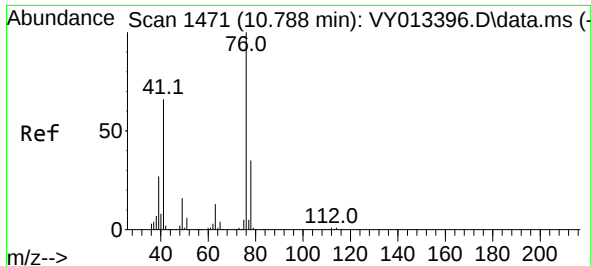
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 42522 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.3  | 66.4  | 99.6  |
| 85       | 55.2  | 45.6  | 68.4  |
| 99       | 61.3  | 48.6  | 72.8  |



#56  
Ethyl methacrylate  
Concen: 25.232 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 59301 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 72.9  | 51.4  | 77.0  |
| 39       | 40.8  | 29.0  | 43.6  |





#57

1,3-Dichloropropane

Concen: 25.556 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

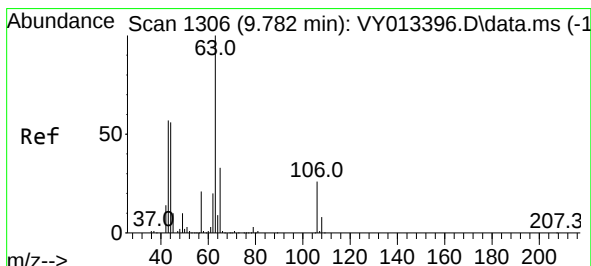
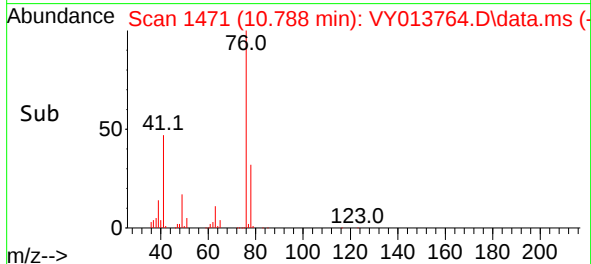
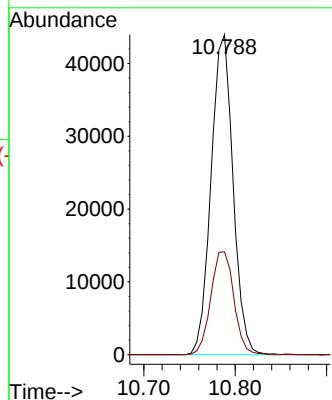
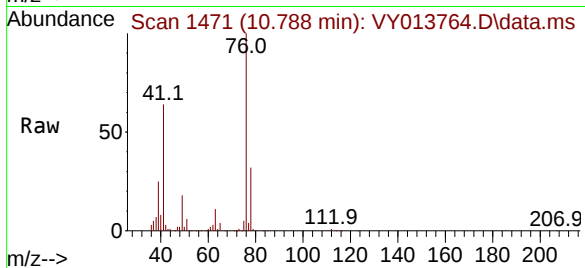
VY0516SBS03

Tgt Ion: 76 Resp: 73322

Ion Ratio Lower Upper

76 100

78 33.8 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 132.368 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY013764.D

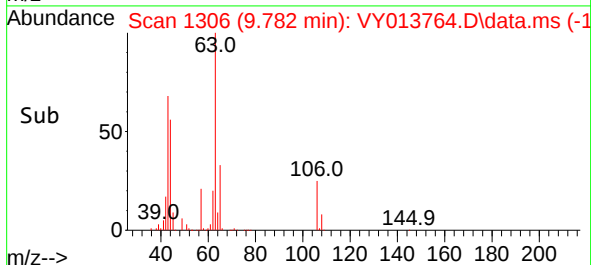
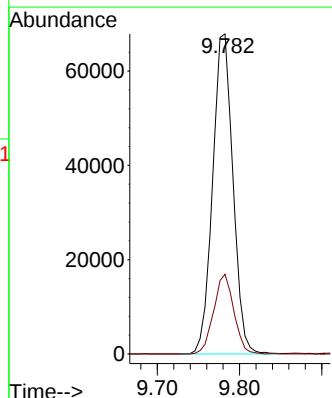
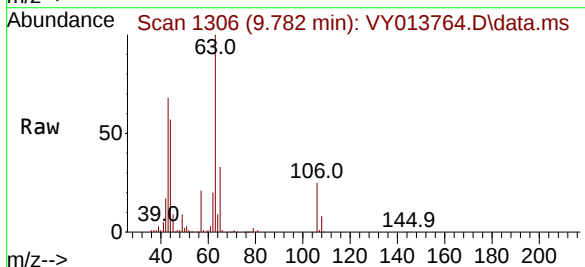
Acq: 16 May 2023 17:09

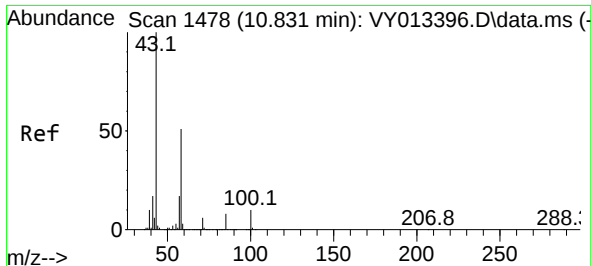
Tgt Ion: 63 Resp: 116656

Ion Ratio Lower Upper

63 100

106 24.7 23.5 35.3

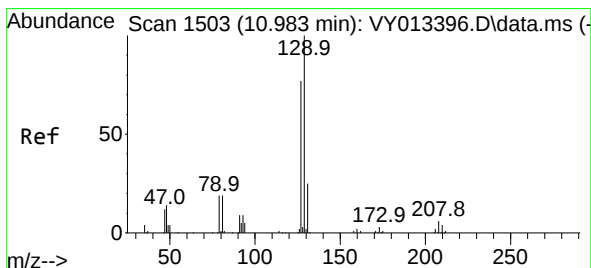
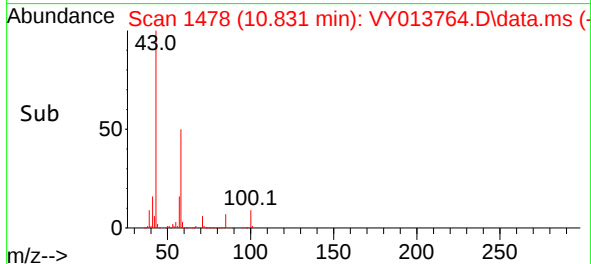
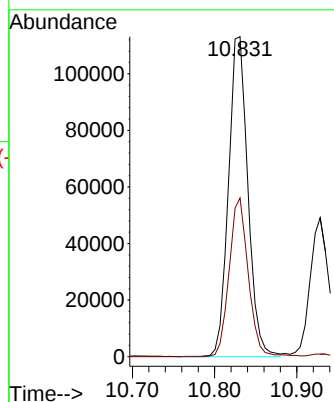
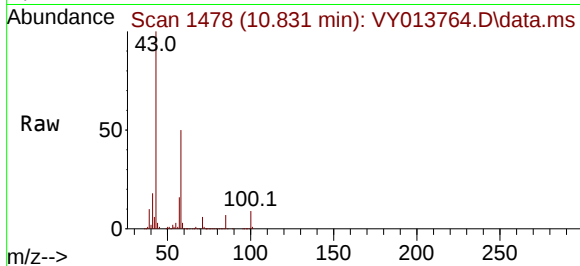




#59  
2-Hexanone  
Concen: 124.475 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

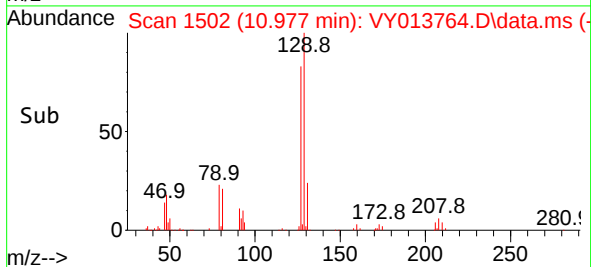
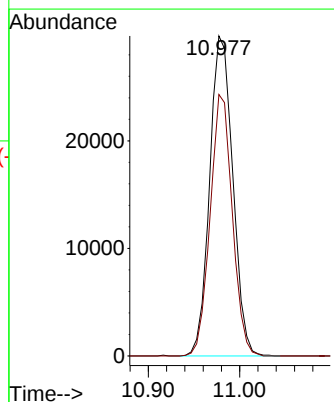
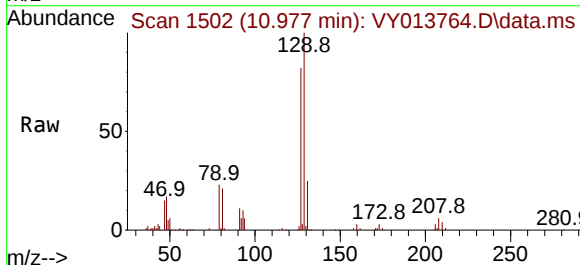
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

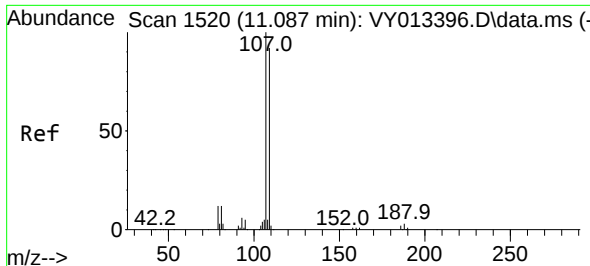
Tgt Ion: 43 Resp: 185910  
Ion Ratio Lower Upper  
43 100  
58 48.9 26.3 78.8



#60  
Dibromochloromethane  
Concen: 25.398 ug/l  
RT: 10.977 min Scan# 1502  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion:129 Resp: 52243  
Ion Ratio Lower Upper  
129 100  
127 78.3 38.7 116.1

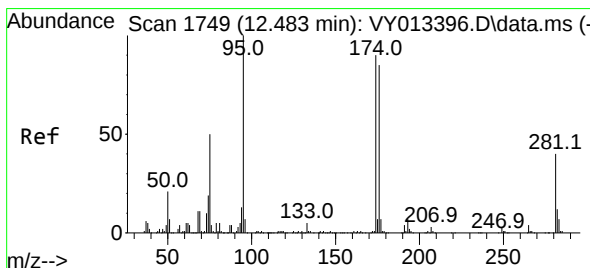
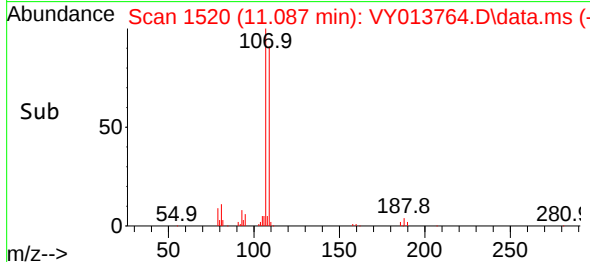
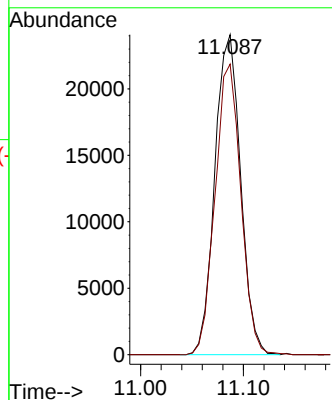
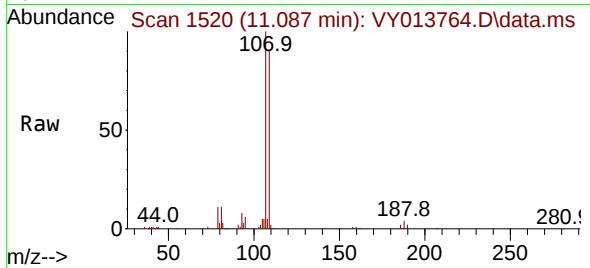




#61  
1,2-Dibromoethane  
Concen: 25.150 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

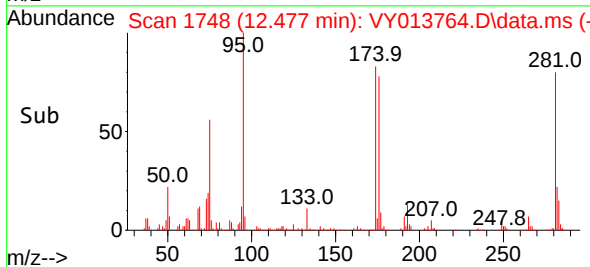
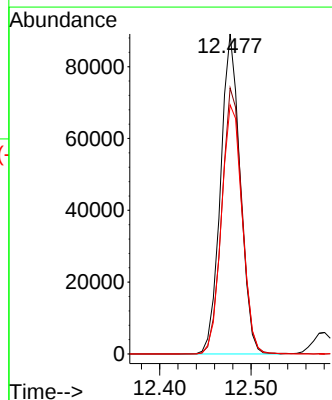
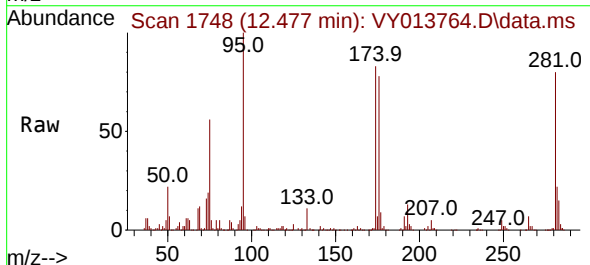
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

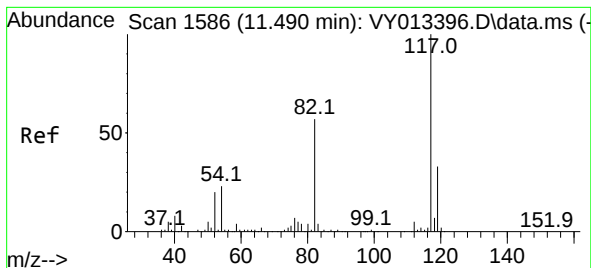
Tgt Ion:107 Resp: 41888  
Ion Ratio Lower Upper  
107 100  
109 91.0 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 63.454 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 95 Resp: 133103  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 182.0  
176 82.2 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS03

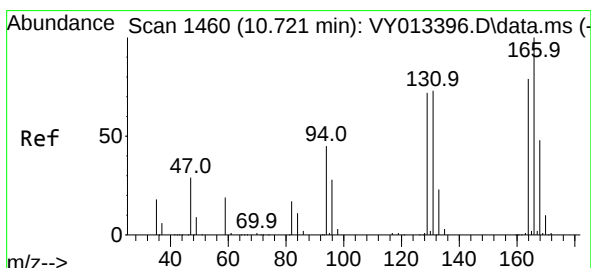
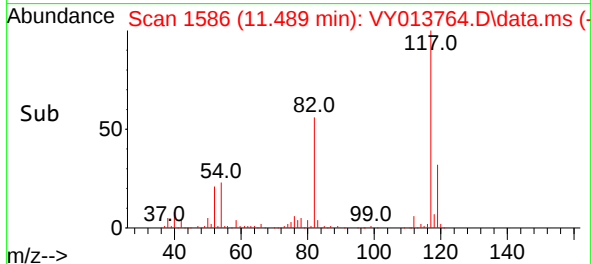
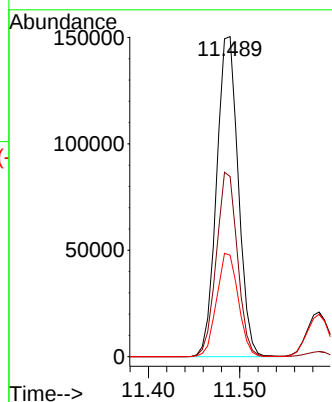
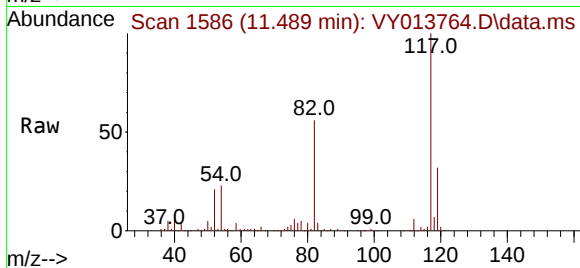
Tgt Ion:117 Resp: 248340

Ion Ratio Lower Upper

117 100

82 56.3 43.0 64.6

119 31.7 25.5 38.3



#64

Tetrachloroethene

Concen: 23.754 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Tgt Ion:164 Resp: 44856

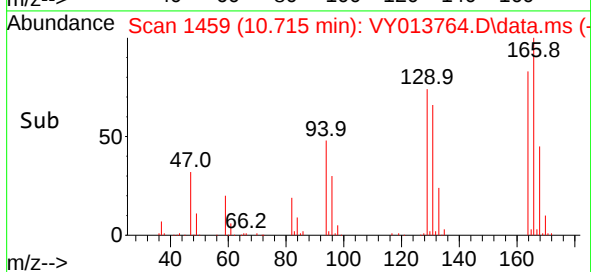
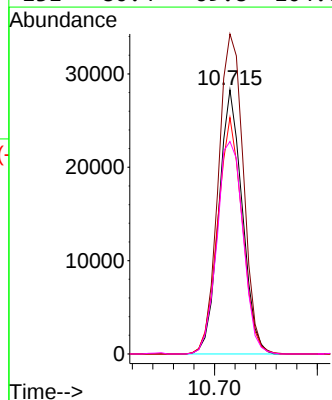
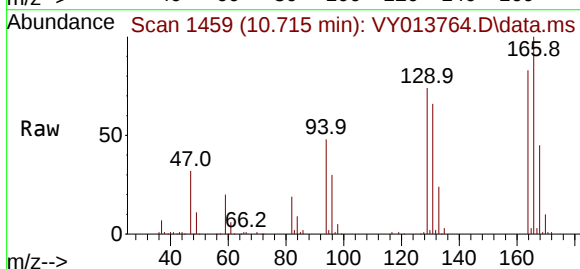
Ion Ratio Lower Upper

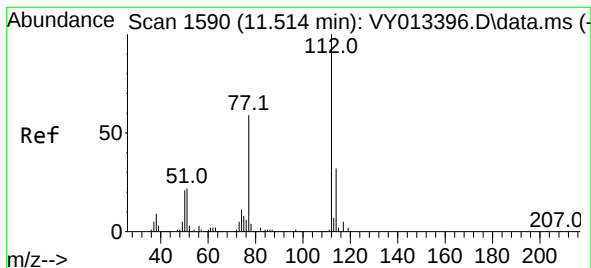
164 100

166 121.1 97.5 146.3

129 89.5 72.6 109.0

131 80.4 69.8 104.6





#65

Chlorobenzene

Concen: 24.533 ug/l

RT: 11.514 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

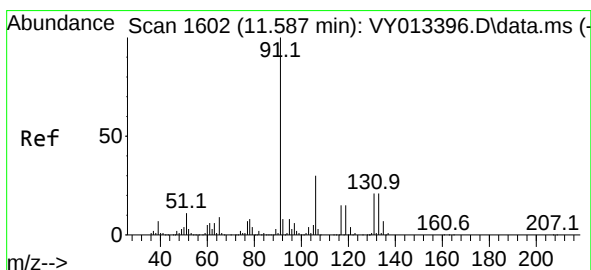
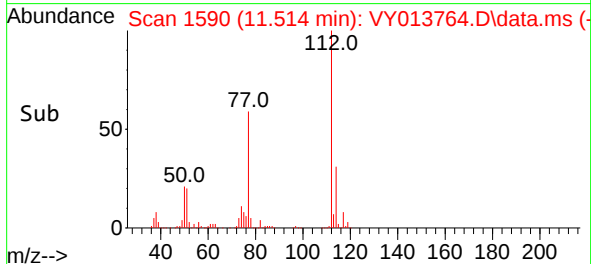
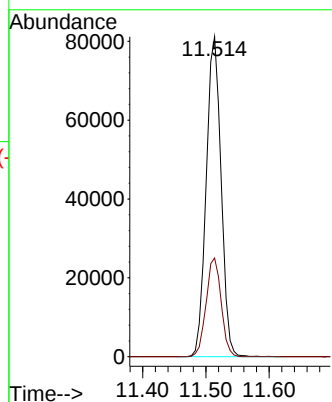
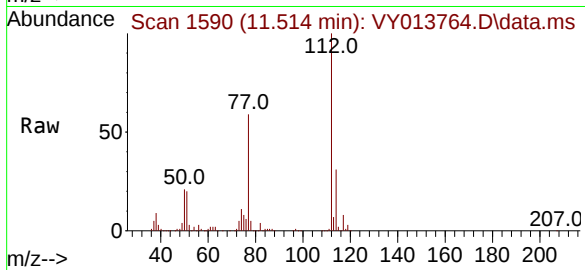
VY0516SBS03

Tgt Ion:112 Resp: 132719

Ion Ratio Lower Upper

112 100

114 30.8 24.9 37.3



#66

1,1,1,2-Tetrachloroethane

Concen: 25.095 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

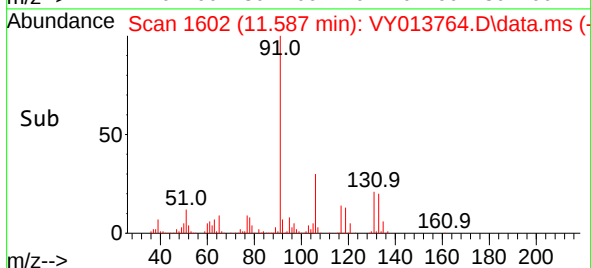
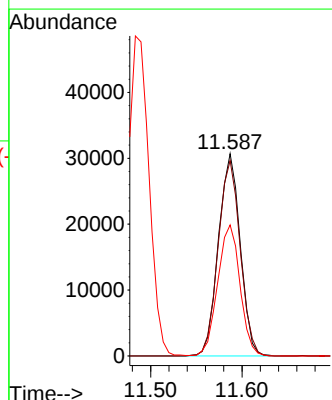
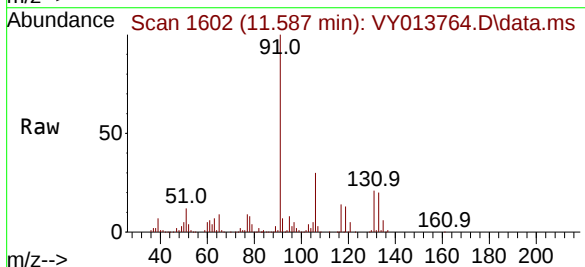
Tgt Ion:131 Resp: 50773

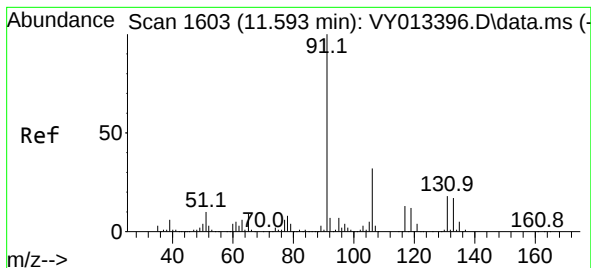
Ion Ratio Lower Upper

131 100

133 98.0 47.7 143.1

119 66.4 32.6 98.0





#67

Ethyl Benzene

Concen: 24.767 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

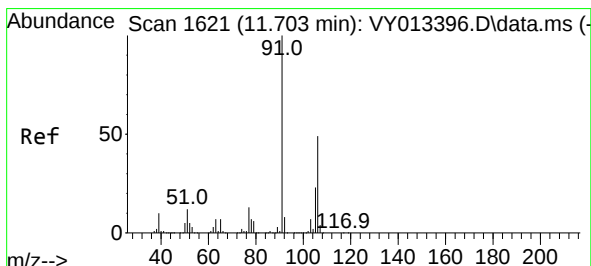
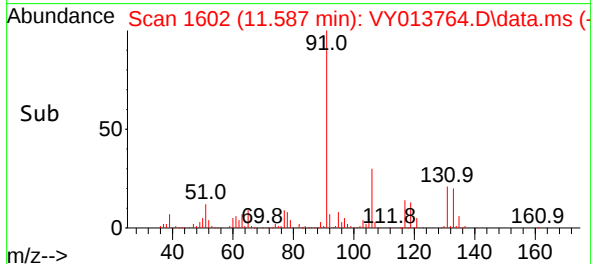
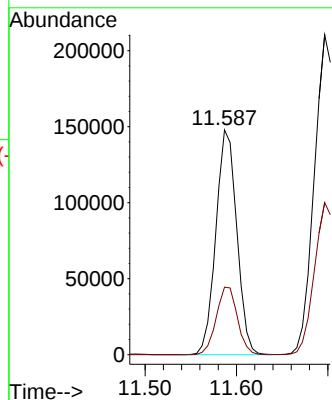
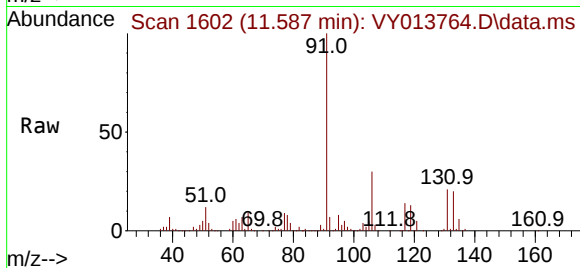
VY0516SBS03

Tgt Ion: 91 Resp: 235273

Ion Ratio Lower Upper

91 100

106 30.0 25.1 37.7



#68

m/p-Xylenes

Concen: 49.615 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY013764.D

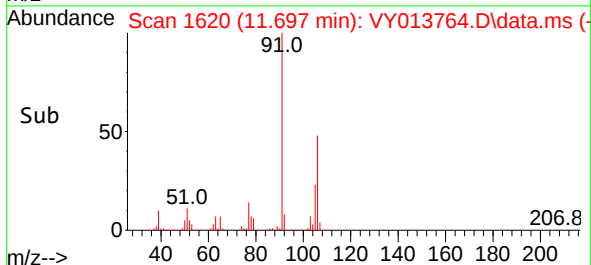
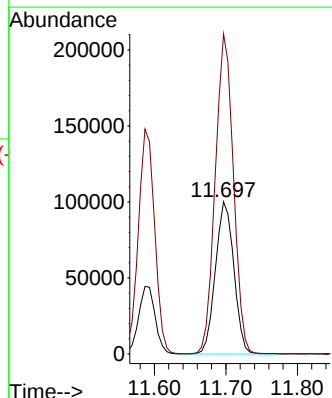
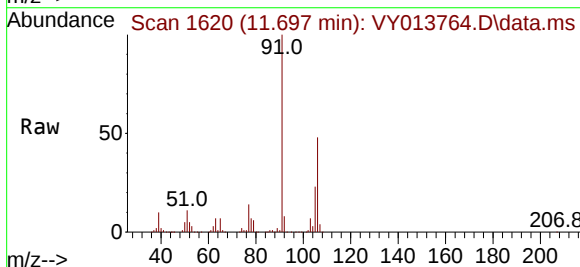
Acq: 16 May 2023 17:09

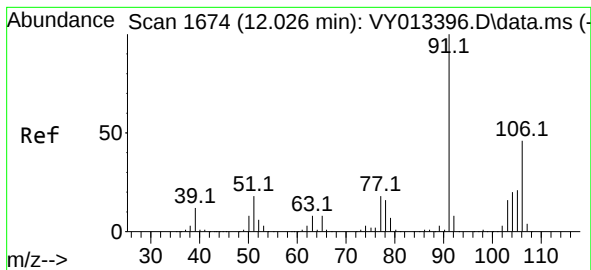
Tgt Ion:106 Resp: 179176

Ion Ratio Lower Upper

106 100

91 207.1 160.9 241.3

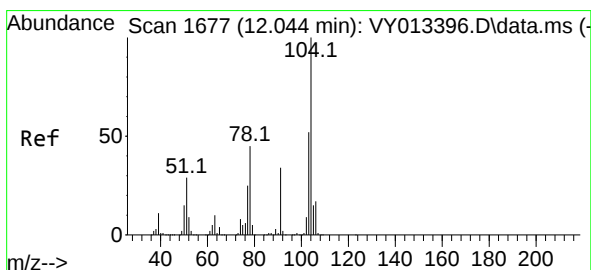
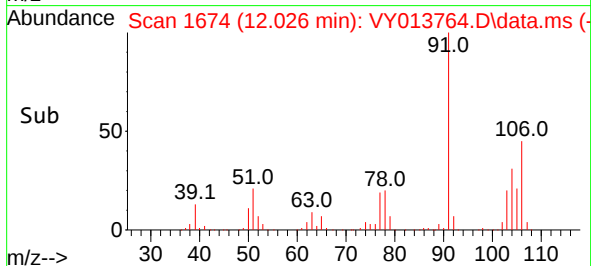
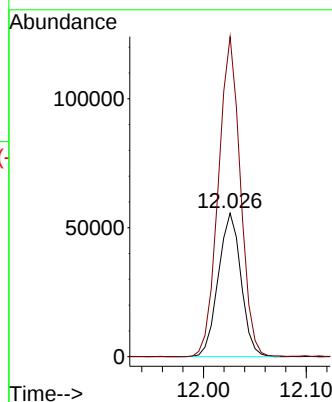
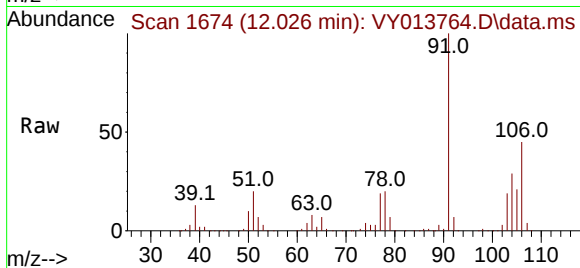




#69  
o-Xylene  
Concen: 24.947 ug/l  
RT: 12.026 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

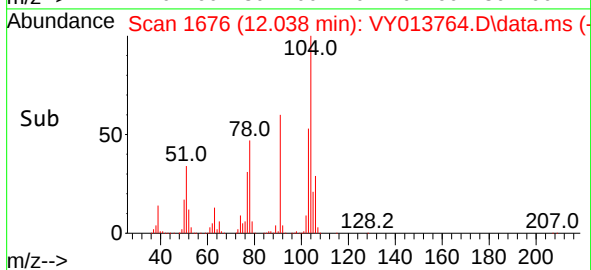
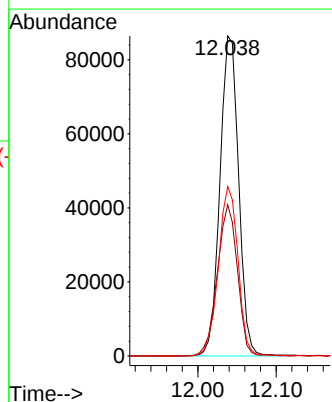
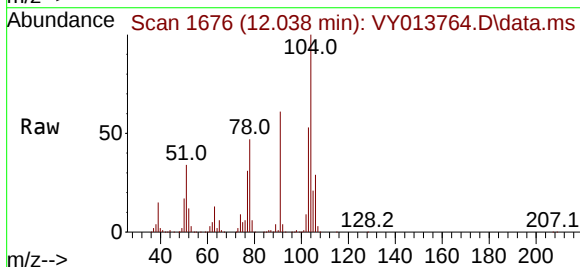
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

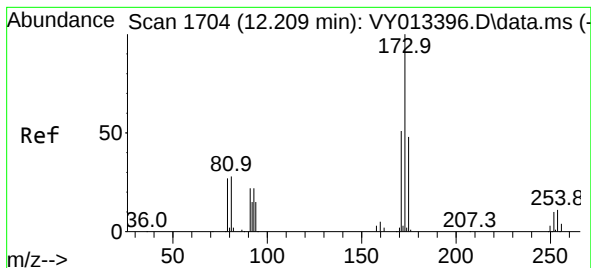
Tgt Ion:106 Resp: 85202  
Ion Ratio Lower Upper  
106 100  
91 216.8 105.5 316.4



#70  
Styrene  
Concen: 25.150 ug/l  
RT: 12.038 min Scan# 1676  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion:104 Resp: 143620  
Ion Ratio Lower Upper  
104 100  
78 50.9 40.3 60.5  
103 55.6 45.0 67.4





#71

Bromoform

Concen: 25.211 ug/l

RT: 12.203 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS03

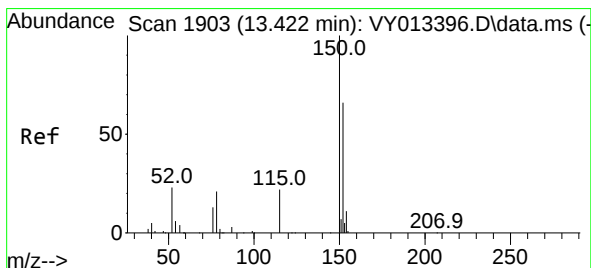
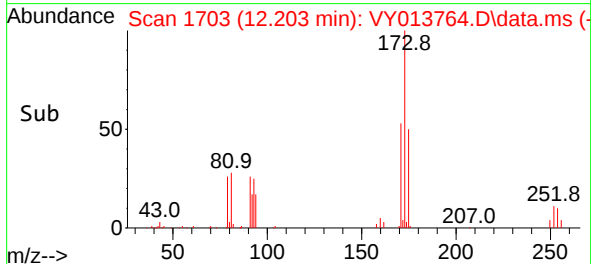
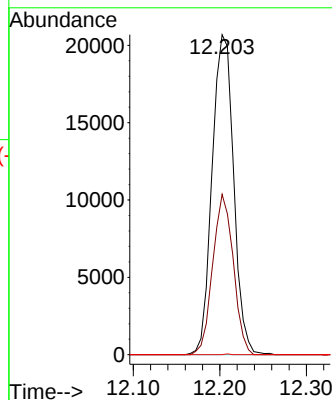
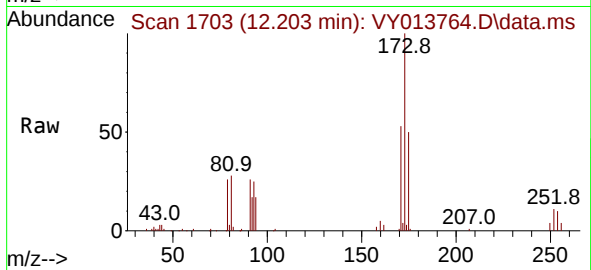
Tgt Ion:173 Resp: 35728

Ion Ratio Lower Upper

173 100

175 47.9 24.3 72.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

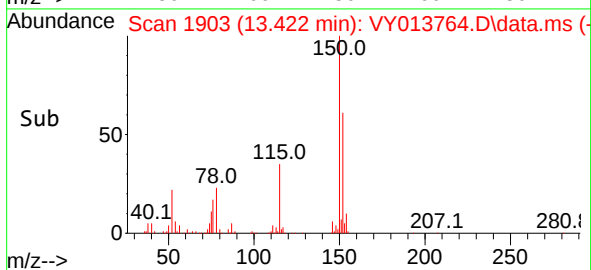
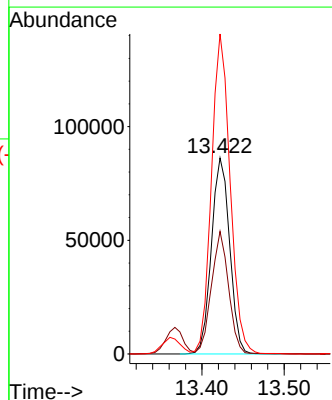
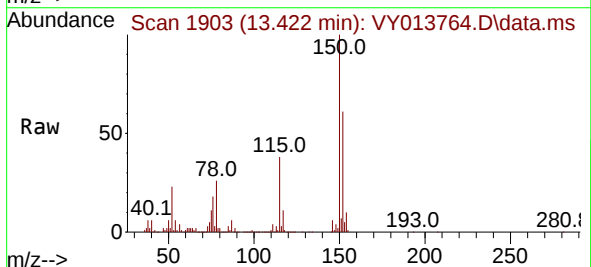
Tgt Ion:152 Resp: 132792

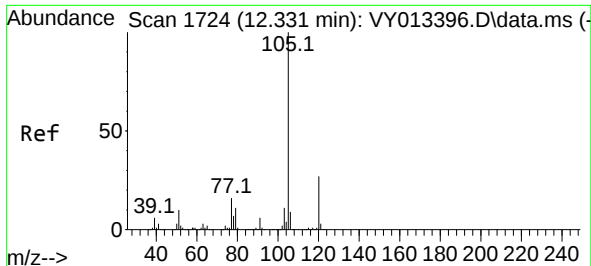
Ion Ratio Lower Upper

152 100

115 58.9 28.1 84.2

150 167.3 0.0 352.0

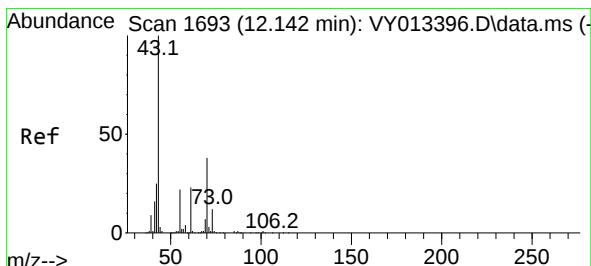
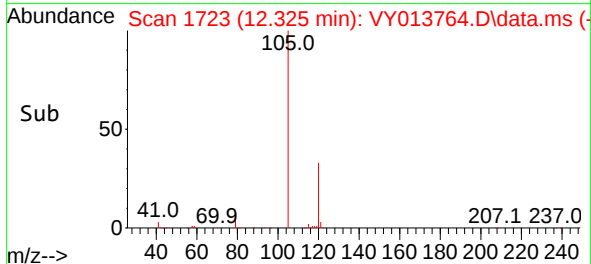
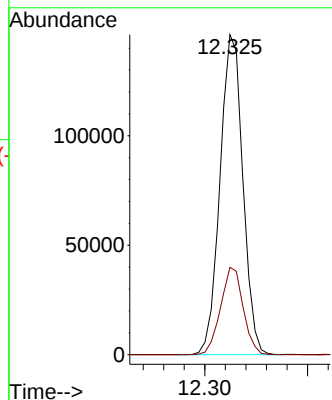
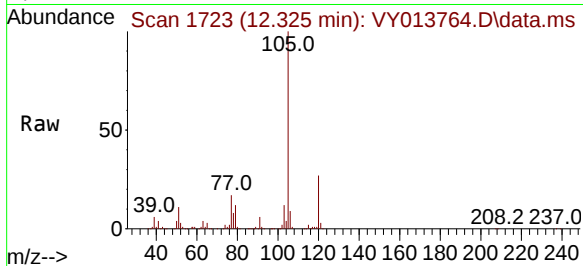




#73  
Isopropylbenzene  
Concen: 22.429 ug/l  
RT: 12.325 min Scan# 1723  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

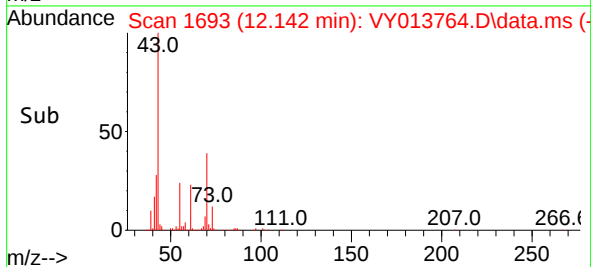
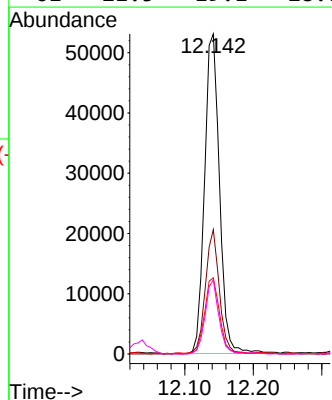
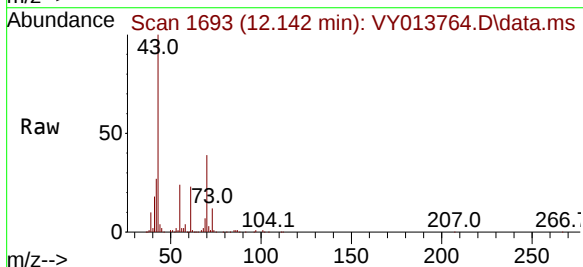
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

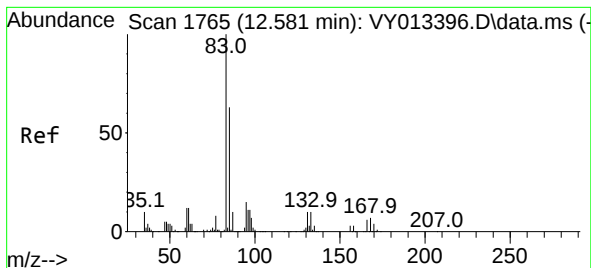
Tgt Ion:105 Resp: 225271  
Ion Ratio Lower Upper  
105 100  
120 27.0 13.7 41.0



#74  
N-ethyl acetate  
Concen: 22.585 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 43 Resp: 80724  
Ion Ratio Lower Upper  
43 100  
70 36.5 33.0 49.4  
55 23.4 19.8 29.6  
61 21.5 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.935 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS03

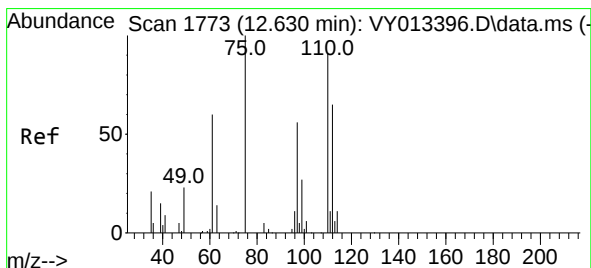
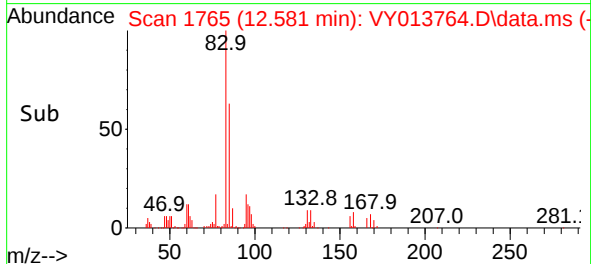
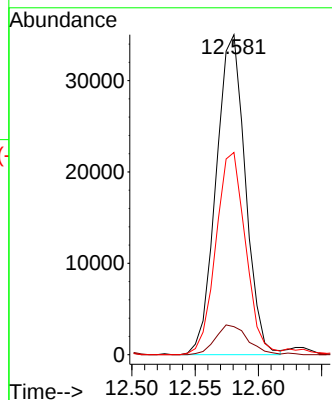
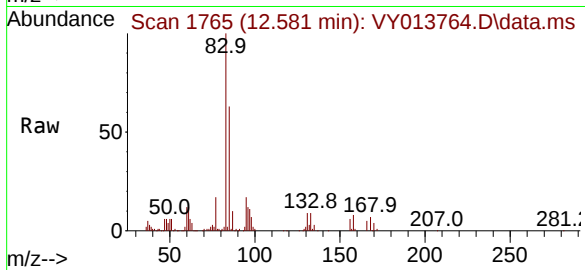
Tgt Ion: 83 Resp: 56306

Ion Ratio Lower Upper

83 100

131 10.4 5.7 17.0

85 64.2 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 39.555 ug/l

RT: 12.629 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY013764.D

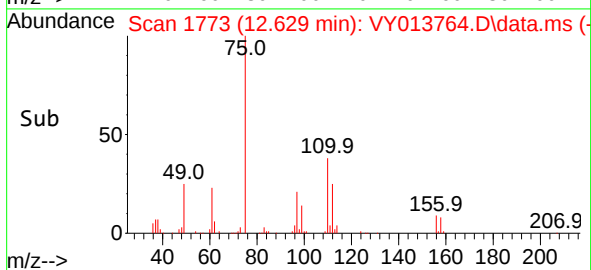
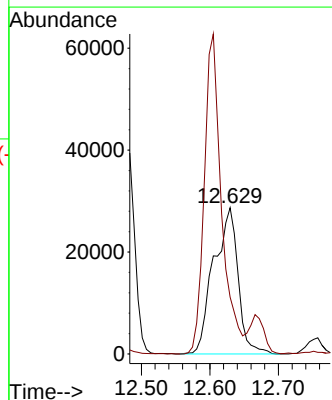
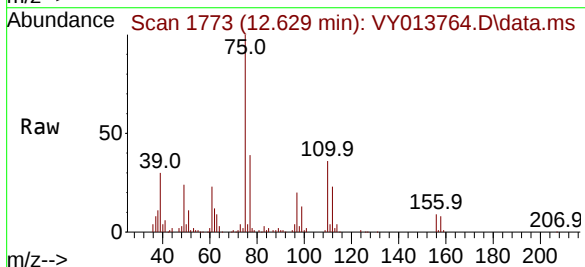
Acq: 16 May 2023 17:09

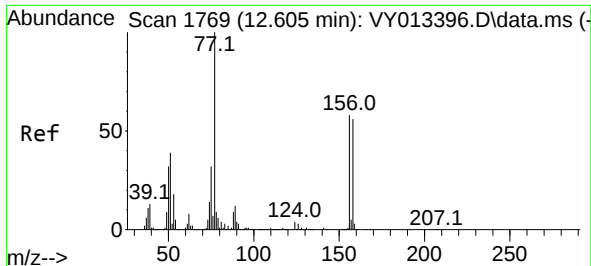
Tgt Ion: 75 Resp: 70838

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

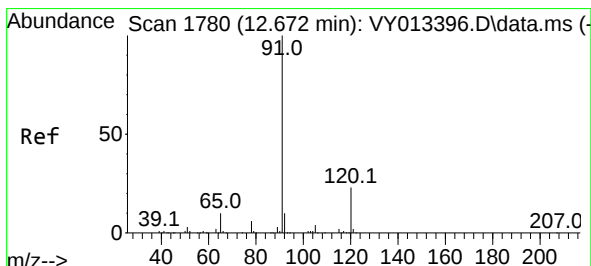
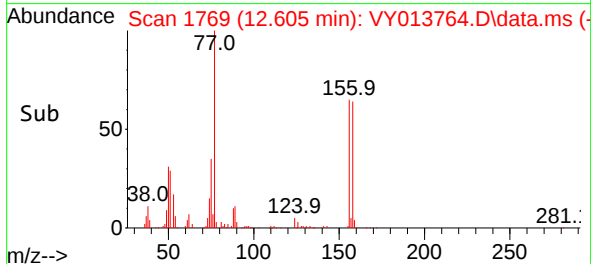
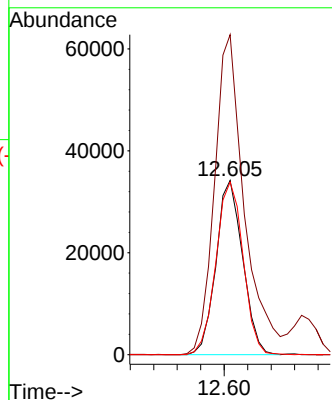
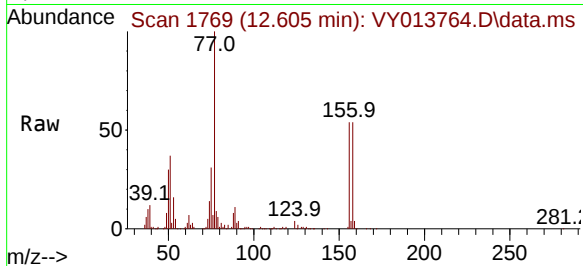




#77  
Bromobenzene  
Concen: 22.121 ug/l  
RT: 12.605 min Scan# 1769  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

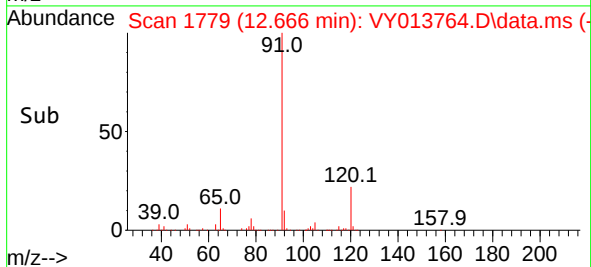
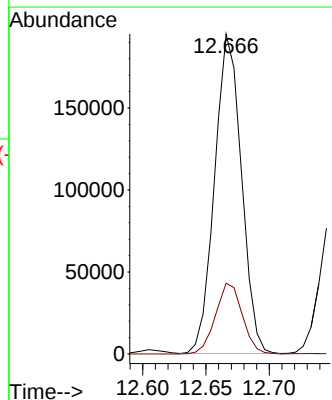
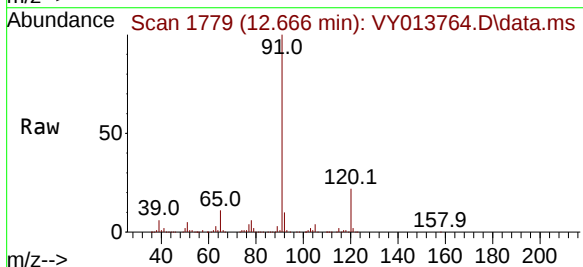
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

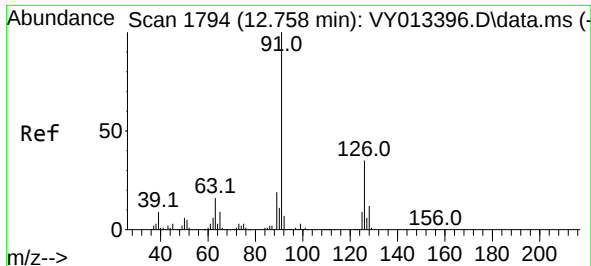
Tgt Ion:156 Resp: 53836  
Ion Ratio Lower Upper  
156 100  
77 204.6 87.6 262.9  
158 101.1 48.5 145.5



#78  
n-propylbenzene  
Concen: 23.172 ug/l  
RT: 12.666 min Scan# 1779  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 91 Resp: 286666  
Ion Ratio Lower Upper  
91 100  
120 22.2 11.9 35.9

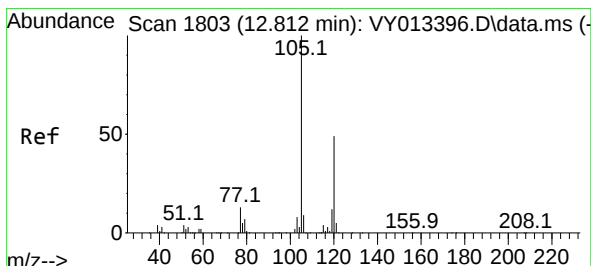
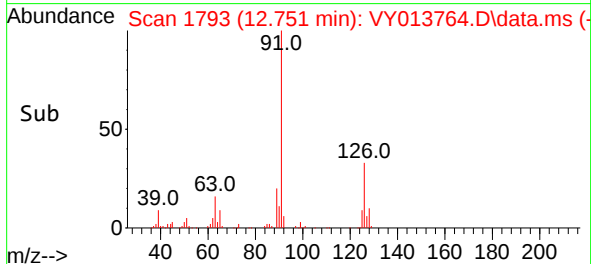
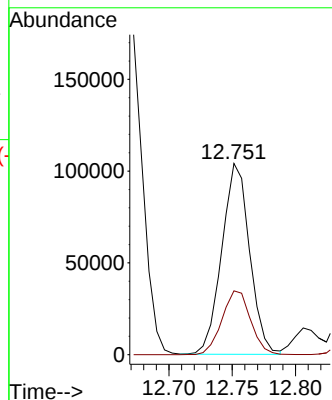
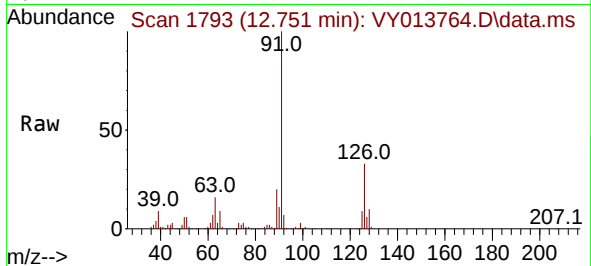




#79  
2-Chlorotoluene  
Concen: 23.056 ug/l  
RT: 12.751 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

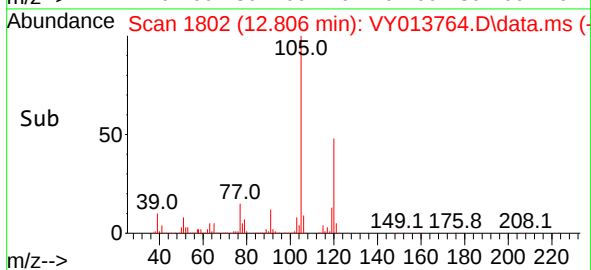
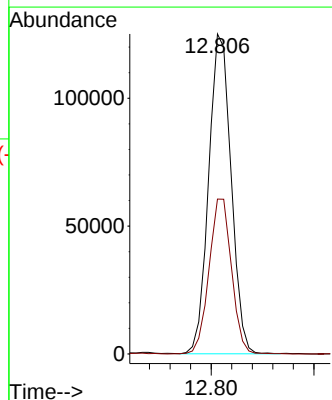
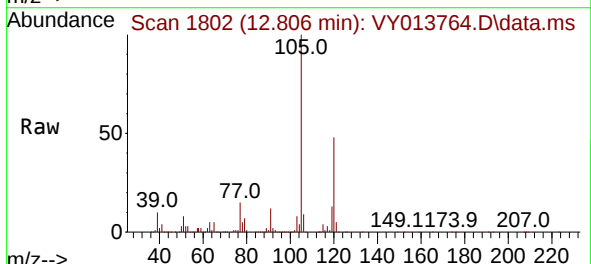
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

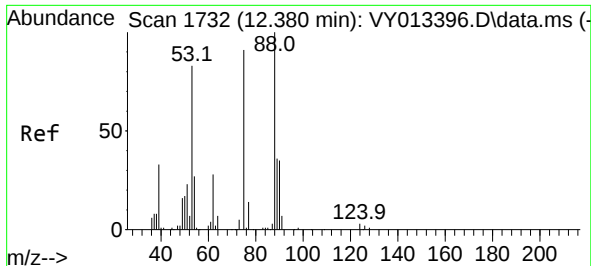
Tgt Ion: 91 Resp: 159282  
Ion Ratio Lower Upper  
91 100  
126 34.4 17.8 53.4



#80  
1,3,5-Trimethylbenzene  
Concen: 23.166 ug/l  
RT: 12.806 min Scan# 1802  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion:105 Resp: 189910  
Ion Ratio Lower Upper  
105 100  
120 48.7 24.7 74.1

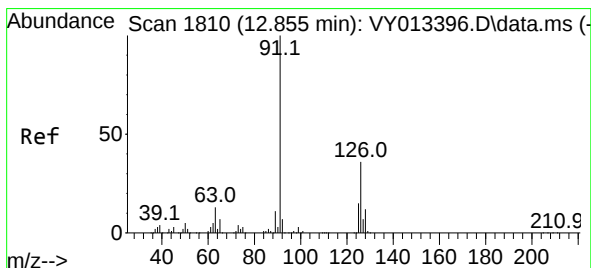
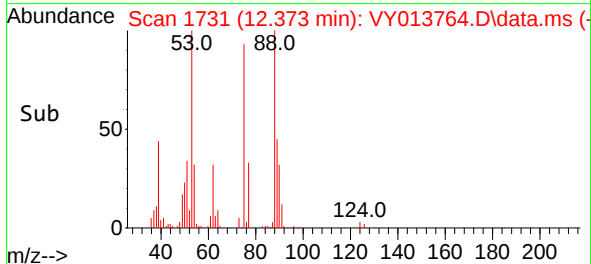
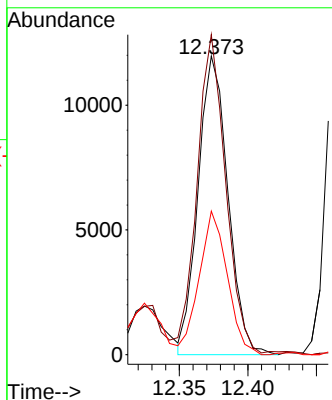
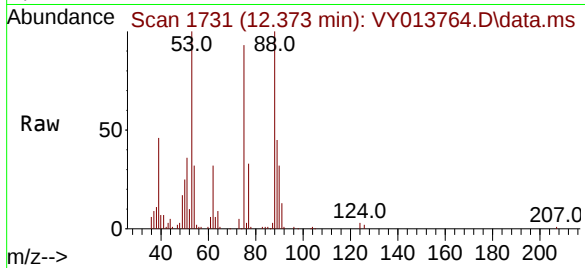




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.694 ug/l  
RT: 12.373 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

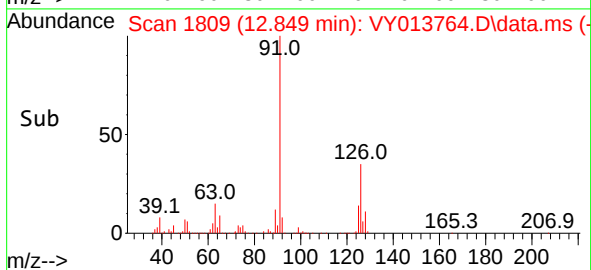
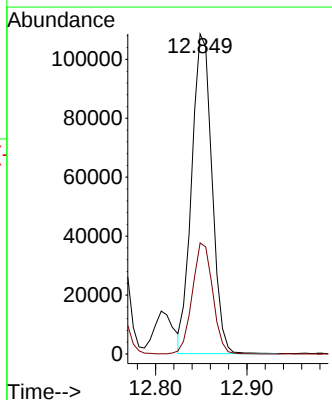
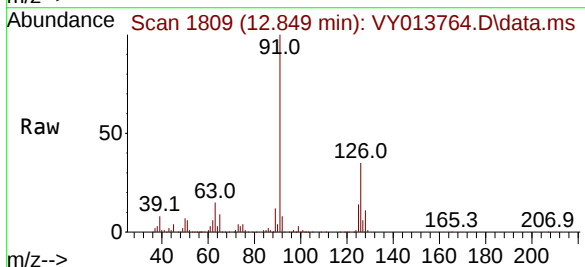
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

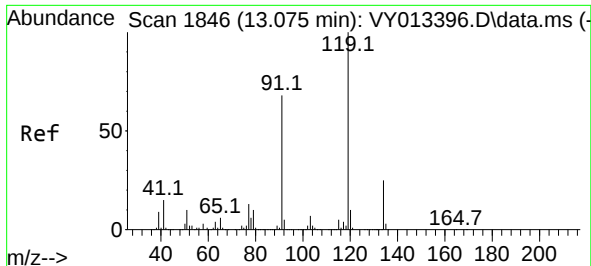
Tgt Ion: 75 Resp: 18117  
Ion Ratio Lower Upper  
75 100  
53 102.0 73.2 109.8  
89 45.4 38.0 57.0



#82  
4-Chlorotoluene  
Concen: 23.174 ug/l  
RT: 12.849 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion: 91 Resp: 166865  
Ion Ratio Lower Upper  
91 100  
126 35.1 17.9 53.8

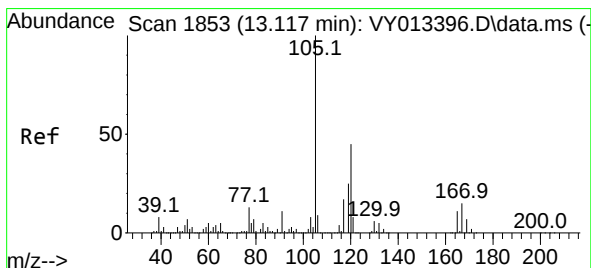
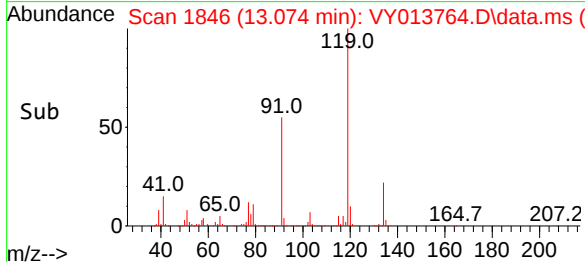
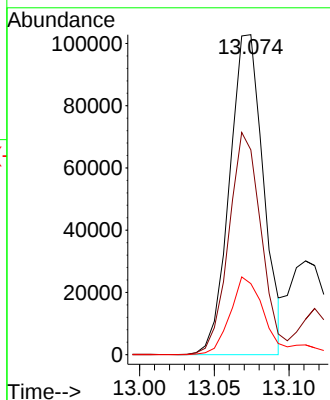
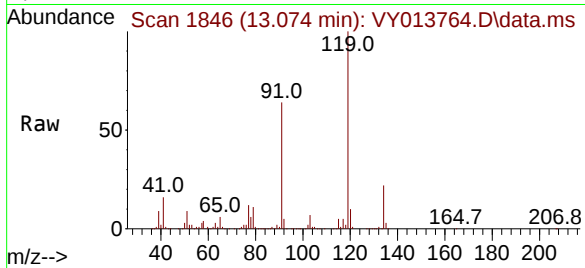




#83  
tert-Butylbenzene  
Concen: 22.837 ug/l  
RT: 13.074 min Scan# 1846  
Delta R.T. 0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

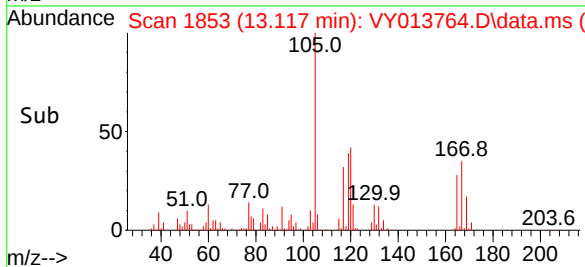
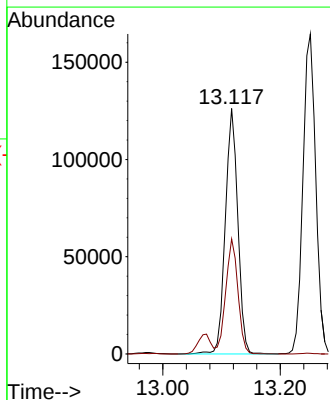
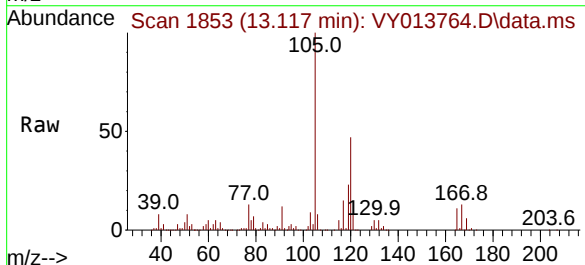
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

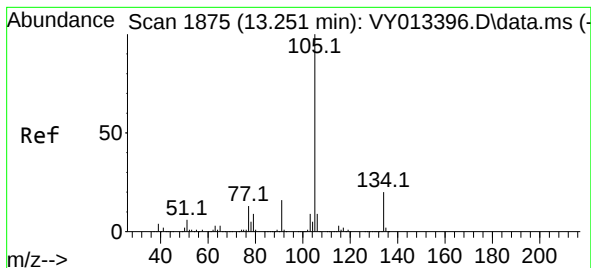
Tgt Ion:119 Resp: 162194  
Ion Ratio Lower Upper  
119 100  
91 66.6 32.2 96.6  
134 26.1 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 23.395 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion:105 Resp: 186459  
Ion Ratio Lower Upper  
105 100  
120 45.9 22.3 66.9





#85

sec-Butylbenzene

Concen: 23.243 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

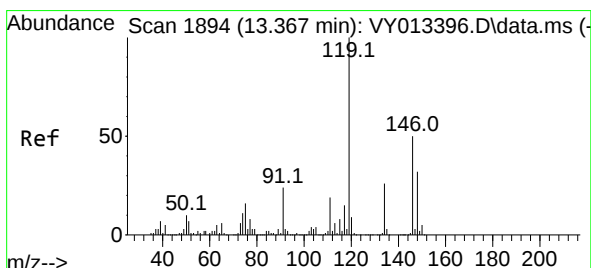
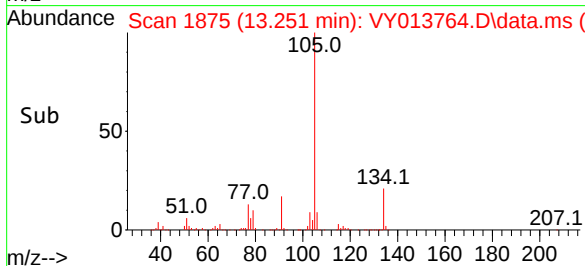
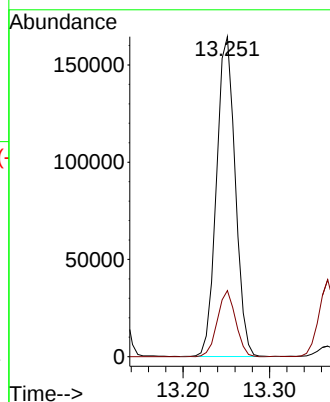
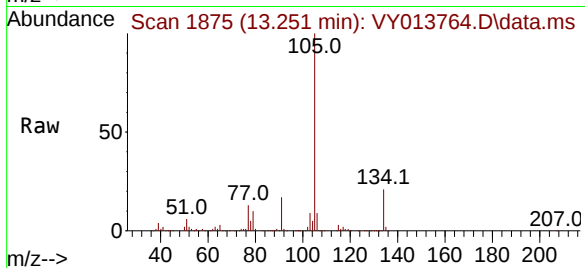
VY0516SBS03

Tgt Ion:105 Resp: 247757

Ion Ratio Lower Upper

105 100

134 20.1 10.3 30.9



#86

p-Isopropyltoluene

Concen: 23.713 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

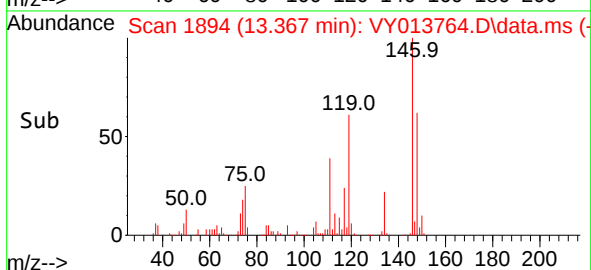
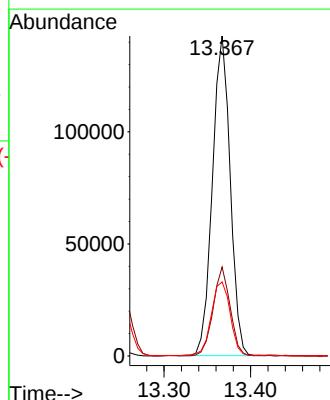
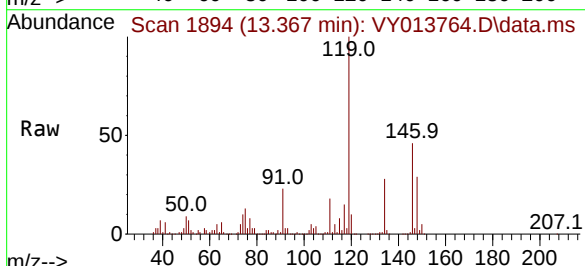
Tgt Ion:119 Resp: 203263

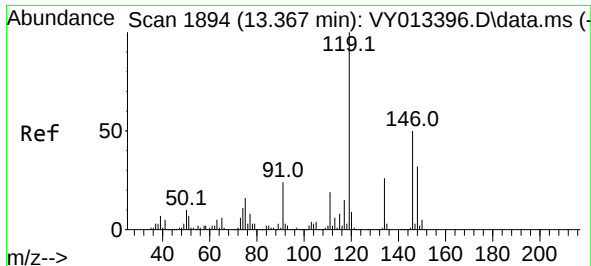
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 24.6 12.1 36.3

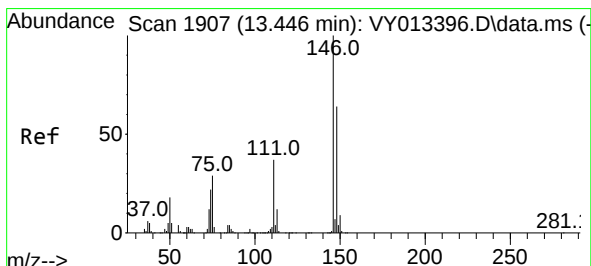
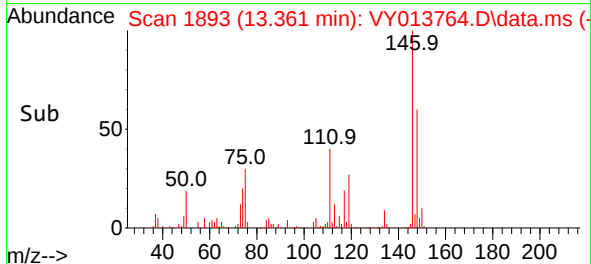
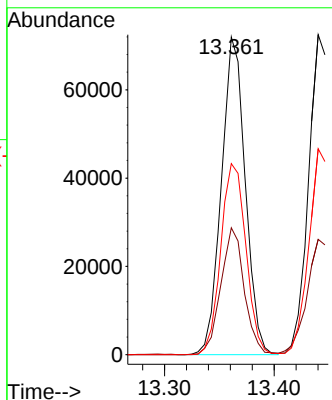
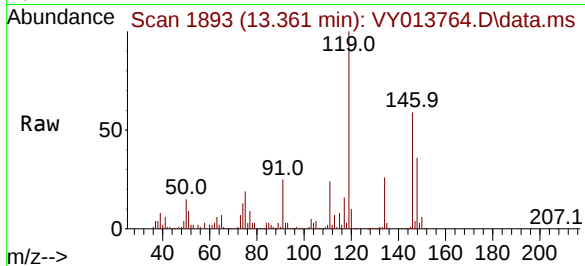




#87  
1,3-Dichlorobenzene  
Concen: 23.492 ug/l  
RT: 13.361 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

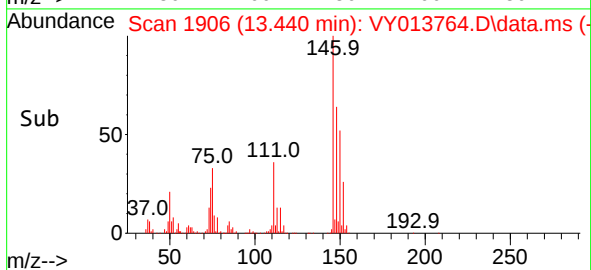
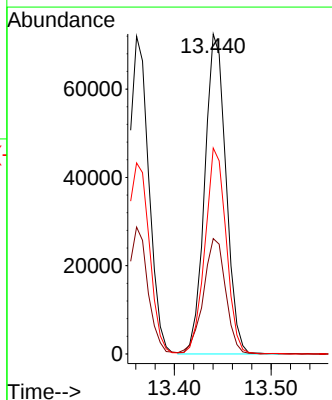
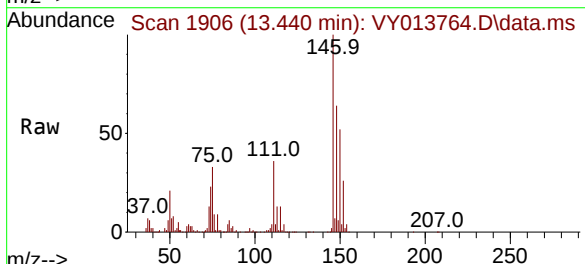
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS03

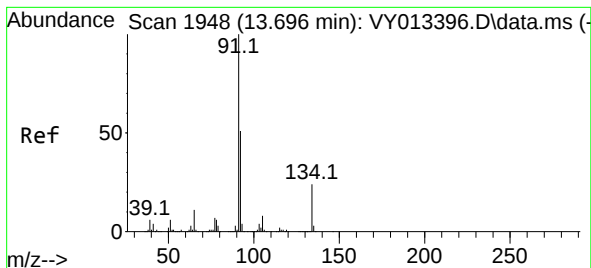
Tgt Ion:146 Resp: 108924  
Ion Ratio Lower Upper  
146 100  
111 39.4 19.3 57.9  
148 63.3 31.9 95.7



#88  
1,4-Dichlorobenzene  
Concen: 23.646 ug/l  
RT: 13.440 min Scan# 1906  
Delta R.T. -0.006 min  
Lab File: VY013764.D  
Acq: 16 May 2023 17:09

Tgt Ion:146 Resp: 110750  
Ion Ratio Lower Upper  
146 100  
111 37.7 18.9 56.5  
148 64.1 31.9 95.5





#89

n-Butylbenzene

Concen: 23.964 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS03

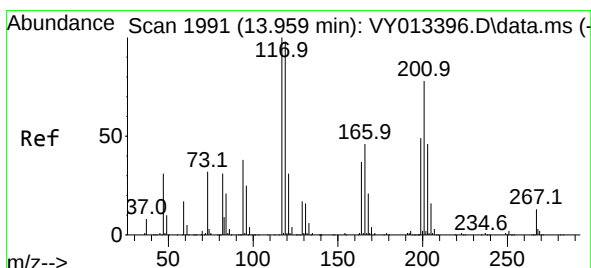
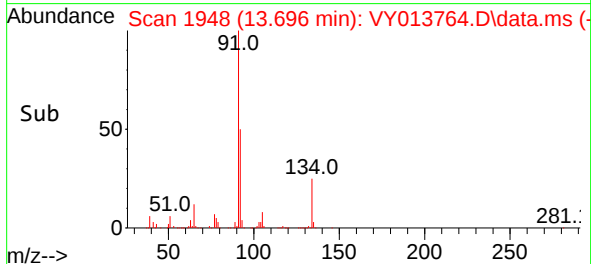
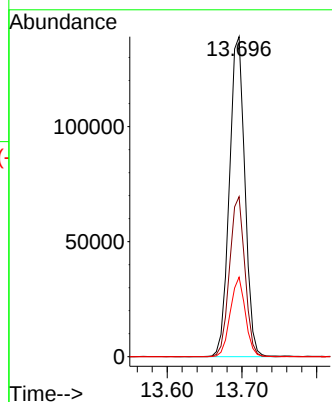
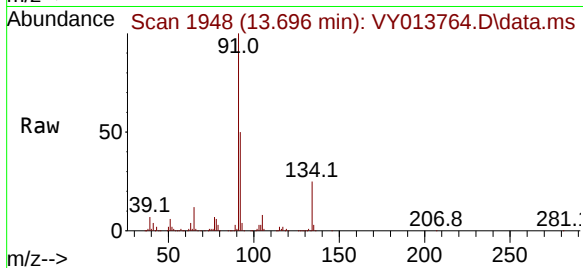
Tgt Ion: 91 Resp: 200486

Ion Ratio Lower Upper

91 100

92 49.6 25.8 77.3

134 24.2 13.5 40.4



#90

Hexachloroethane

Concen: 23.394 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. 0.000 min

Lab File: VY013764.D

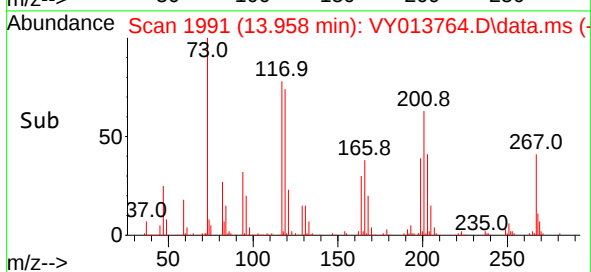
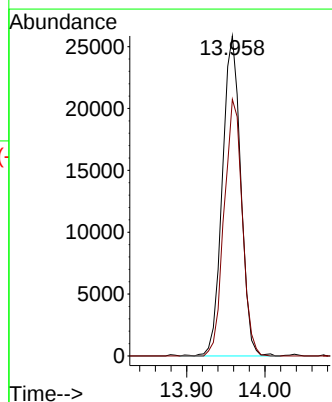
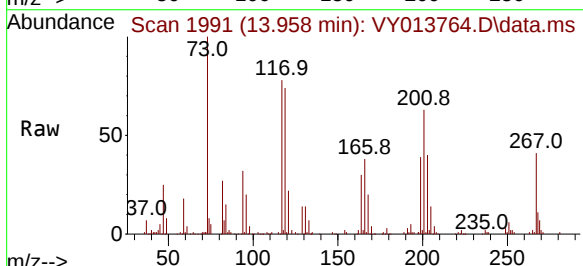
Acq: 16 May 2023 17:09

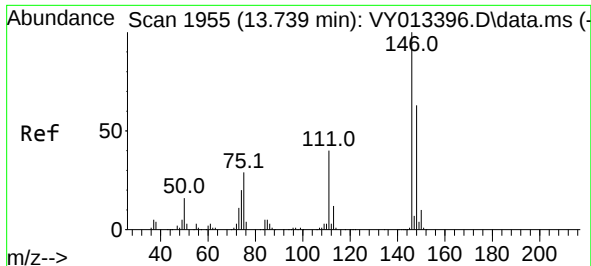
Tgt Ion: 117 Resp: 42204

Ion Ratio Lower Upper

117 100

201 79.0 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 23.819 ug/l

RT: 13.733 min Scan# 1954

Delta R.T. -0.006 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS03

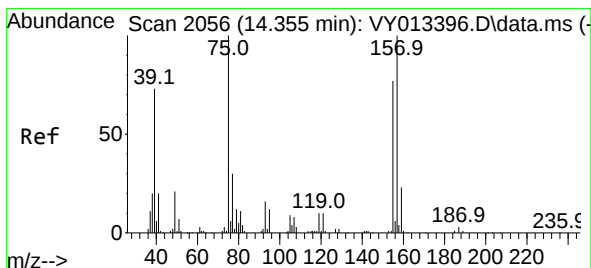
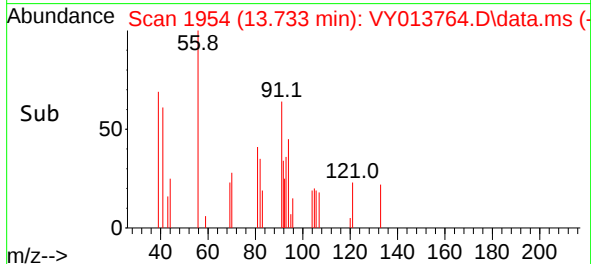
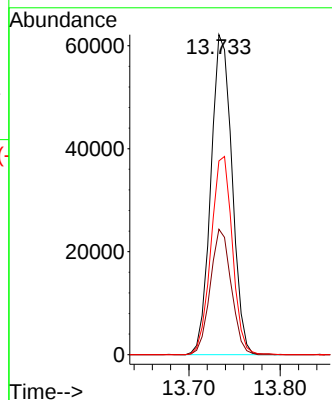
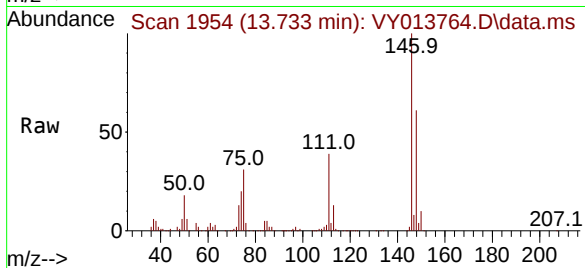
Tgt Ion:146 Resp: 99727

Ion Ratio Lower Upper

146 100

111 38.9 19.8 59.4

148 62.8 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.232 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

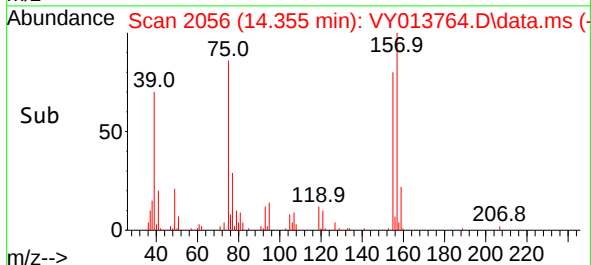
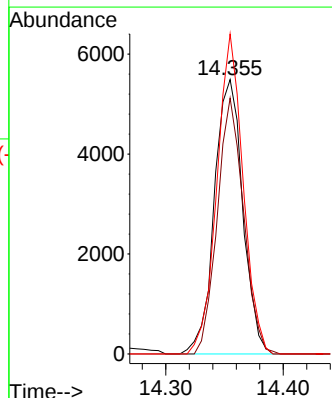
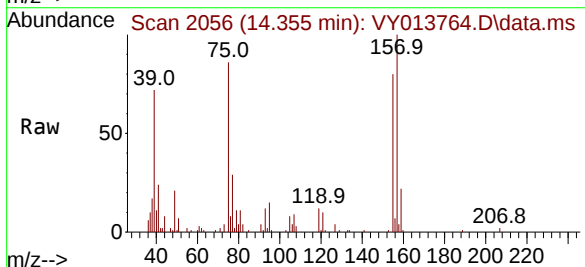
Tgt Ion: 75 Resp: 9206

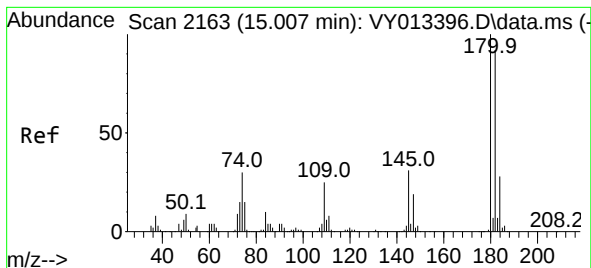
Ion Ratio Lower Upper

75 100

155 86.4 44.6 134.0

157 107.7 57.6 172.7





#93

1,2,4-Trichlorobenzene

Concen: 23.676 ug/l

RT: 15.001 min Scan# 2163

Delta R.T. -0.006 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS03

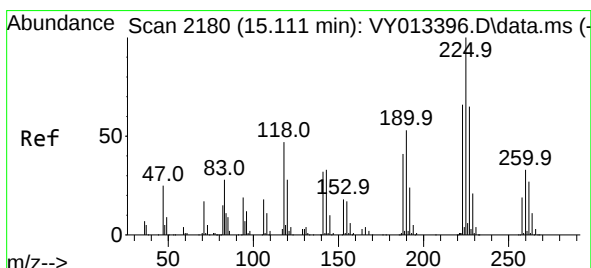
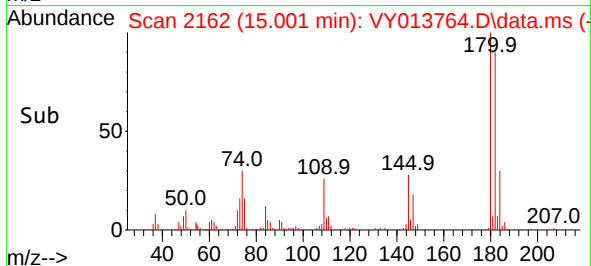
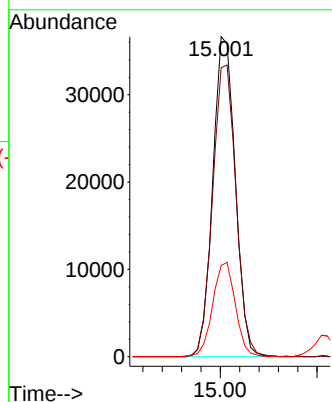
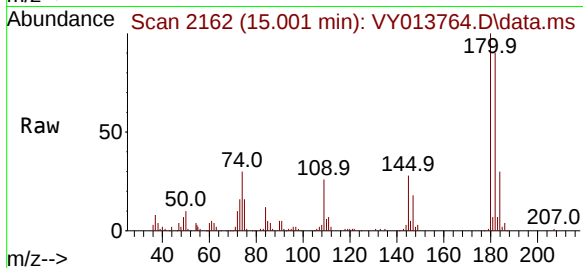
Tgt Ion:180 Resp: 59102

Ion Ratio Lower Upper

180 100

182 94.7 48.5 145.5

145 29.8 15.0 45.0



#94

Hexachlorobutadiene

Concen: 24.892 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

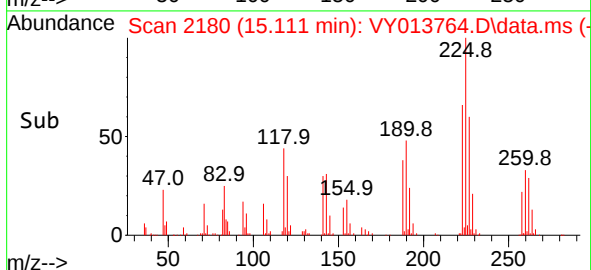
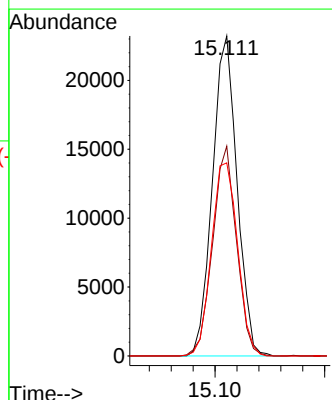
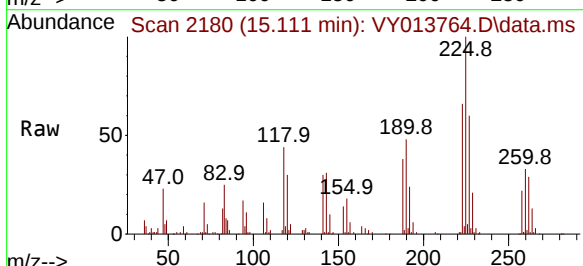
Tgt Ion:225 Resp: 36163

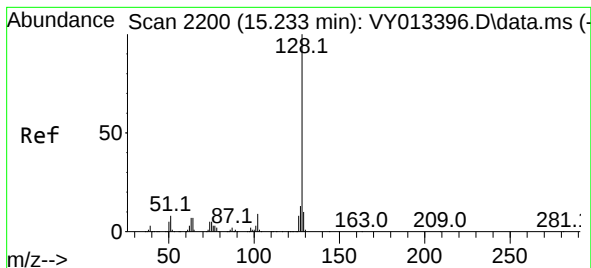
Ion Ratio Lower Upper

225 100

223 63.6 31.4 94.2

227 64.4 32.0 96.0





#95

Naphthalene

Concen: 22.765 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS03

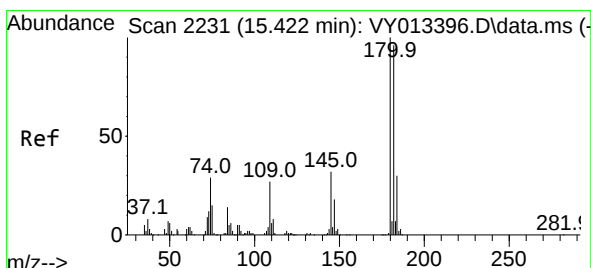
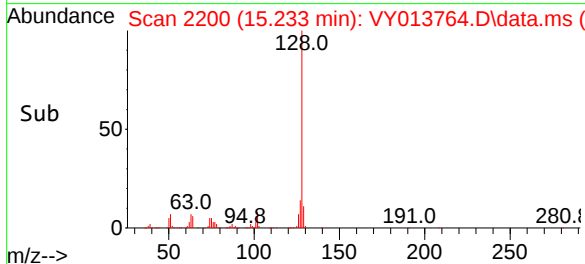
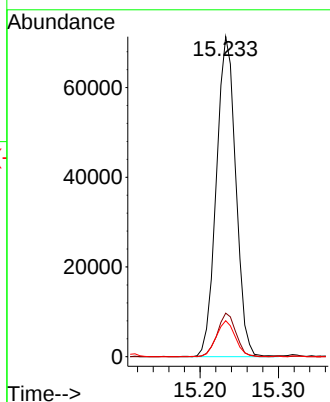
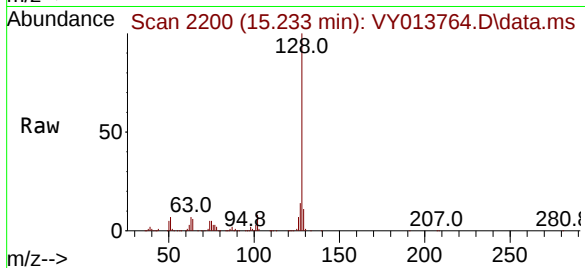
Tgt Ion:128 Resp: 123300

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 11.0 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 23.971 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY013764.D

Acq: 16 May 2023 17:09

Tgt Ion:180 Resp: 53333

Ion Ratio Lower Upper

180 100

182 94.9 47.1 141.3

145 32.0 15.9 47.7

